TECHNICAL REPORT CERC-89-17

US Army Corps of Engineers

LOS ANGELES AND LONG BEACH HARBORS MODEL ENHANCEMENT PROGRAM

TIDAL CIRCULATION PROTOTYPE DATA COLLECTION EFFORT

Volume III

APPENDIX J

by

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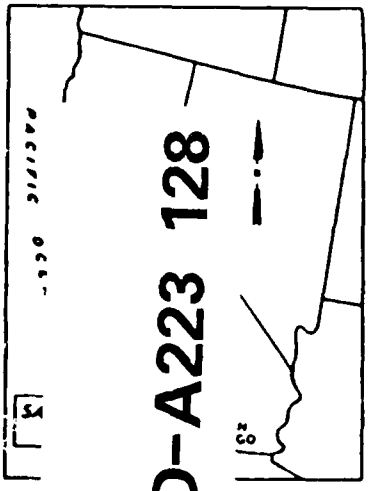
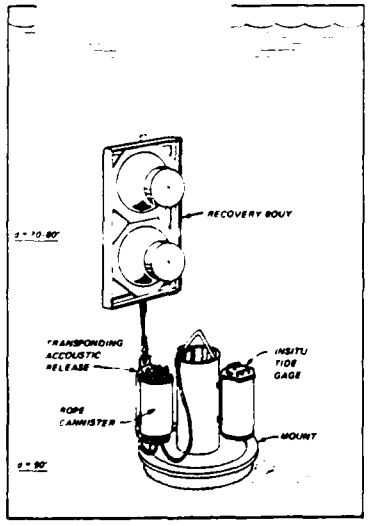
Coastal Engineering Research Center

DEPARTMENT OF THE ARMY
Waterways Experiment Station, Corps of Engineers
3909 Halls Ferry Road, Vicksburg, Mississippi 39180-6199





December 1989
Final Report

Prepared for US Army Engineer District, Los Angeles
Los Angeles, California 90053-2325
Port of Los Angeles
San Pedro, California 90733-0151
and
Port of Long Beach
Long Beach, California 90801-0570

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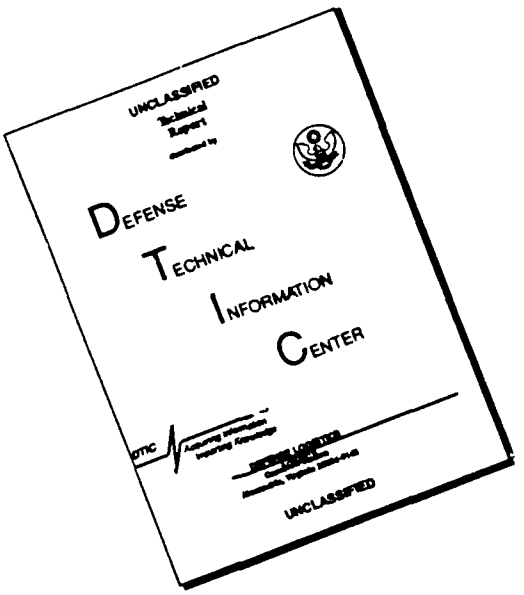

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APPENDIX J: SURFACE WEATHER OBSERVATIONS

This appendix contains National Weather Service surface observations for 1 June through 15 October 1987, Daugherty Field, Long Beach, California.

DEPARTMENT OF THE AIR FORCE
OL-A, USAF ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER (MAC)
FEDERAL BUILDING, ASHEVILLE, NORTH CAROLINA 28801-2723

4 DEC 1987

REPLY TO ATTN OF: CAS (Mr Tomlinson, FTS 672-0404)

SUBJECT: Surface Observation/Longbeach CA (Telecon, 3 Dec 87)

TO: USACOE/Waterways Experiment Station
ATTN: WESCD-P (Davis McGehee)
PO Box 631
Vicksburg, MS 39180

Attached are copies of National Weather Servise Form MF1-10B, Surface Weather Observations for Long Beach, Ca (Daugherty Field), period of record 1 July 1987 thru 15 October 1987.

JOHN M WALSH
Supervisor, Technical Services Section

1 Atch
Sfc Obs

Long Beach Ca

MF 1-10A (5-83) — U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 0 1 1987

TO CONVERT LST TO GMT ADD 8 hrs. SUBTRACT ___ hrs.

TYPE (1)	TIME (LST) (2)	SKY AND CEILING (Hundreds of Feet) (3)	VISIBILITY (Miles) SURFACE (4)	VISIBILITY (Miles) TOWER (4a)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. (Mbs) (6)	TEMP °F (7)	DEW PT °F (8)	WIND DIRECTION (00-36) (9)	WIND SPEED Knots (10)	WIND GUSTS (11)	ALTIMETER SETTING (Ins.) (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER INITIALS (13a)
SA	0447	-X M2 OVC	1/2		F	125	60	59	12	05		990	/F5 CIG RGD VSBY NE 3/4 / 58	RW
SP	0512	UIX	1/4		F				17	05		991		RW
SP	0519	-X M1 BKN	1/2		F				16	05		991	/F5 VSBY NE1/4 S-W1 1/4	RW
SP	0526	-X M1 BKN	3/4		F				17	04		991	/F3 VSBY SW-W1 1/4	RW
SP	0534	-X M3 BKN	3/4		F				15	03		991	/F3 VSBY NE 1/2 S-W1 1/4	RW
SP	0542	-X M3 BKN	1 1/4		F				13	04		992	/F2 VSBY NE-E 1/2 TOPS 006	RW
SA	0551	-X M3 BKN	1 1/4		F	132	59	58	14	04		992	/F2 VSBY NE 1/2 W3 TOPS 006	RW
SP	0601	-X M3 BKN	1 1/2		F				18	06		992	/F1 VSBY W3 N2 1/2	RW
SP	0617	-X M3 BKN	2		F				13	04		992	/F1 VSBY W-N3	RW
SP	0626	M5 BKN	2		F				12	03		992	/CIG RGD VSBY W-N3	RW
SP	0632	M5 BKN	2 1/2		F				25	03		992	/CIG RGD VSBY NE-E1 3/4 W3	RW
SA	0652	M5 BKN	2 1/2		F	135	62	59	12	03		993	/BKN V SCT CIG RGD VSBY NE-E1 3/4 W3 / 3/5 1600	RW
SP	0709	5 SCT	2 1/2		FH				09	04		993	/VSBY NE-E2 W3	RW
SP	0723	5 SCT	4		H				13	04		993	/VSBY LWR NE	RW
SA	0754	CLR	6		H	135	69	59	00	00		993	/ST BANK SHND SE-S VSBY LWR NE-E	RW
SA	0848	CLR	6		H	135	71	59	16	07		993	/ST BANK SHND SE-S	RW
SA	0950	CLR	12			135	71	59	14	07		993	/ 400 58	RW
SA	1049	CLR	15			132	72	58	16	08		992		RW
SA	1153	CLR	15			129	74	56	15	10		991		RW
SA	1249	CLR	15			129	75	58	18	08		991	/ 607	RW
SA	1349	CLR	20			122	77	54	19	09		989	/ K LYR ALF NE	ML
SA	1449	CLR	30			122	76	53	18	12		989	/ K LYR ALF N-NE	ML
SA	1550	CLR	15			119	74	54	19	10		988	/710 77	AD
SA	1647	CLR	15			119	75	49	16	10		988		AD
SA	1749	CLR	15			119	74	49	14	09		988		AD
SA	1848	CLR	20			125	67	59	16	10		990	/307	AD
SA	1950	CLR	7			132	65	61	15	05		992	/VSBY LWR NE-SE	AD
SP	2003	6 SCT	6		FH				14	06		993		AD
SA	2049	7 SCT	6		FH	142	65	62	18	06		995		AD
SP	2132	M7 BKN	6		FH				15	07		996		AD
SA	2150	M7 BKN	6		FH	146	64	61	16	07		996	/120 1500 77	AD
SP	2234	7 SCT	6		FH				13	08		998		AD
SA	2249	7 SCT	5		FH	152	63	60	15	08		998	/LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_n$TTT $2s_n$TdTdTd $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRRt_R 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (5-83) WHICH MAY BE USED.

USGPO 1984-0-764-008/8085

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 2 6-2-87 1987

TO CONVERT LST TO GMT: ADD 5 HRS. SUBTRACT ____ HRS.

TYPE (1)	TIME (LST) (2)	SKY AND CEILING (Hundreds of Feet) (3)	VISIBILITY (Miles) SURFACE (4a)	VISIBILITY (Miles) TOWER (4b)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. (Mbs.) (6)	TEMP °F (7)	DEW PT. °F (8)	WIND DIRECTION (00-36) (9)	WIND SPEED Kts. (10)	WIND CHARACTER (11)	ALTIMETER SETTING (Ins.) (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER INITIALS (14)
SA	0448	M9 OVC	5		FH	152	62	57	09	05		998	/SML BINOVC / 62	BKW
SA	0553	M9 BKN	5		H	156	62	57	16	03		999	/BRKS S-OVHD-NW	BKW
													CIG RGD TOPS 014	
SP	0607	M10 BKN	5		H				16	04		999	/CIG RGD	BKW
SA	0651	M11 BKN	5		H	159	65	57	04	04		000	/ 310 1600	BKW
SP	0703	12 SCT	5		H				05	03		000		BKW
SA	0748	CLR	6		H	159	68	57	00	00		000	/ST SE-SW	BKW
SA	0852	CLR	6		H	156	72	57	00	00		999		BKW
SA	0950	CLR	6		H	156	71	58	18	09		999	/ 603 61	BKW
SA	1054	CLR	7			156	73	58	18	09		999		BKW
SA	1147	CLR	7			152	73	58	19	10		998	/FEW CU DSNT N	BKW
SA	1249	CLR	7			152	74	58	16	11		998	/FEW CU DSNT N	BKW
													603 1100	
SA	1349	CLR	7			146	78	57	19	08		996	/ CU DSNT N-NE	ML
SA	1449	CLR	10			146	80	58	29	09		996	/ CI SE	ML
SA	1551	CLR	6		H	142	76	57	27	10		995	/ST SW-W HRZN FEW CU	AD
													710 1601 83	
SA	1650	CLR	6		H	142	76	57	25	07		995	/FEW SC SW-W HRZN	AD
SA	1750	CLR	6		H	142	74	57	26	07		995	/FEW CI SW-W	AD
SA	1848	CLR	6		H	146	71	58	29	06		996	/CI SW-NW /303 1002	AD
SA	1948	CLR	7			156	66	58	29	07		999	/CI SW-NW	AD
SA	2049	CLR	7			163	64	58	30	06		001		AD
SA	2150	CLR	5		H	166	64	58	27	05		002	/VSBY MTR E/ 119 83	AD
RS	2248	E10 BKN	4		H	166	63	58	00	00		002	/LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following colored Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRRt_R 7wwW_1W_2 $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

☆ U.S. GPO 1984-0-764-008/6085

MF1-108 (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 2 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE CHANGE (Ins.)	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								
01																								
02																								
03																								
04	48	29.940				10																		
05	53	29.945				9														10				
06	51	29.960				7	7	ST	M11											9				
07	48	29.955				0														5	3	.030		
08	52	29.950				0														0				
09	50	29.950				0														0				
10	54	29.955				0														0	6	.010		
11	47	29.940				0														0				
12	49	29.940				0	2	Cu	50											0				
13	49	29.920				0														0	6	.010		
14	49	29.930				0														0				
15	51	29.910				0	0	ST	10	0	Cl	250	0							0				
16	50	29.910				0														0	7	.030		
17	50	29.910				0														0				
18	48	29.920				0	0	Cl	250											0				
19	48	29.945				0														0	3	.010		
20	49	29.965				0														0				
21	50	29.975				0														0				
22	48	29.980				8														0	1	.055		
23																				8				

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.		
41	2300 TO 0445	X	0	0	X	64	62	X	X						X		
	0445	1	0	0	0	65	62										
	0948	2	0	0	0	73	61										
	1548	3	0	0	0	83	71										
	2147	4	0	0	0	77	63										
	2300	X	0	0	0	64	62	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)		0949	1549	2149
ATT. THERM.				
OBSERVD. BAR.				
TOTAL CORR.				
STA. PRESS.		29.950	29.910	29.975
BAROGRAPH		29.950	29.915	29.975
BAR. CORR.		0	-.005	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNREL TO (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Kts.)	PEAK WIND: DIRECTION	PEAK WIND: TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.): TOP	FROZEN GROUND LAYER (Ins.): BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
83	61	0	0	0	14	W	1523					2			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88
F	CONT	0520			
H	CONT	1030			
H	1540	1930			
H	2120	CONT			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ (M.P.H.) OR FASTEST MILE ____ (M.P.H.) ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P @2 Sec./1000P @2 Sec./1900P @2 Sec.

LAST OF SEVERAL OCCURRENCES

SP=

RS=

MF1-108 (10-83) SUPERSEDES MF1-108 (1-82) WHICH MAY BE USED. o U.S.GPO 1983-0-764-005/6088

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 3 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles: SURFACE (4)	VISIBILITY Miles: TOWER (4a)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. Mbs. (6)	TEMP °F (7)	DEW PT °F (8)	WIND: DIRECTION (00-36) (9)	WIND: SPEED Kts. (10)	WIND: CHARACTER (11)	ALTIMETER SETTING (Inches) (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER'S INITIALS (14)
SA	0447	-X M9 OVC	2½		FH	163	62	58	13	03		001	/FH2 CIG RGD/ 61	BKW
SA	0554	-X M9 OVC	2½		FH	166	63	58	32	04		002	/FH2 CIG RGD	BKW
SP	0612	-X M10 OVC	2½		FH				30	06		002	/FH2 CIG RGD	BKW
SA	0652	-X M10 OVC	2½		FH	166	63	58	30	06		002	/FH1 CIG RGD TOPS	BKW
													015/ 105 1611	
SA	0751	-X M12 OVC	2½		HK	166	66	58	00	00		002	/HK1 THIN SPOTS [illegible]	BKW
SP	0814	-X 12 SCT 250 -BKN	2½		HK				25	03		002	/HK1 CIG LWR SE	BKW
SA	0848	-X 250 -BKN	2½		HK	163	71	58	27	04		001	/HK1	BKW
SP	0909	-X 250 -BKN	3		HK				34	03		001	/HK1	BKW
SA	0950	-X 250 -BKN	3		HK	163	75	58	18	04		001	/HK1 / 603 1001 61	BKW
SA	1053	250 -BKN	5		HK	159	75	58	17	08		000		BKW
SP	1139	E250 BKN	5		HK				27	05		999	/WSHFT 25	BKW
SA	1150	E250 BKN	6		HK	152	81	57	26	09		998	/FEW CU CSNT N	BKW
SA	1249	E250 BKN	7			149	80	56	26	11		997	/FEW CU CSNT N	BKW
													/ 714 1102	
SA	1349	250-BKN	12			142	78	56	27	11		995		MW
SA	1449	250-BKN	15			142	75	55	27	14		995		MW
SA	1551	250-BKN	12			135	71	55	28	13		993	/714 1002 81	MW
SA	1645	250 SCT	12			135	69	57	27	10		993		MW
SA	1751	250 SCT	12			135	67	58	28	11		993		MW
SA	1850	250 SCT	20			139	65	56	26	06		993	/302 1002	MW
SA	1953	250 SCT	20			146	64	50	14	07		996		MW
SA	2053	250 SCT	20			152	62	50	16	05		998		MW
SA	2151	CLR	20			156	62	56	01	05		999	/FEW CI/119 1001 81	MW
SA	2246	CLR	20			156	62	57	29	05		999	/FEW CI LAST	MW

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3PoPoPoPo 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

USGPO 1984-0-764-008/6085

MF1-10R
10-83

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 3 1987

To convert LST to GMT ADD 8 hrs SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUBMISSION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUBMISSION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL O. PAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Tenths)	PRECIPITATION (Ins.)
00																								
01																								
02																								
03																								
04 47	29.970				10															10				
05 54	29.980				10															10				
06 52	29.980				10	1	F	—	10	ST	M10	10								10	1	.015		
07 51	29.980				10															9				
08 48	29.970				8															4				
09 50	29.970				8	1	F	—	8	Cl	250	8								4	6	.000		
10 53	29.960				7															3				
11 50	29.940				8															5				
12 49	29.930				8	2	CU	50	8	Cl	ESC	8								5	7	.040		
13 49	29.910				9															3				
14 49	29.905				8															3				
15 51	29.890				6	6	Cl	250												3	7	.040		
16 55	29.855				4															3				
17 51	29.850				3															2				
18 50	29.895				3	3	Cl	250												2	3	.005		
19 53	29.920				2															2				
20 53	29.940				1															1				
21 51	29.950				0	0	Cl	250												0	1	.055		
22 46	29.950				0															0				
23																								

SYNOPTIC OBSERVATIONS

TIME (GMT)	TIME (LST)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF GRND.	SOIL TEMP.	STATION PRESSURE COMPUTATIONS			
	2300	X	0	0	X	63	61	X	X				
	0444	1	0	0	0	64	61			TIME (LST)	2300	0944	1547
	0948	2	0	0	0	75	62			ATT. THERM.			
	1545	3	0	0	0	81	71			OBSERVED BAR.			
	2145	4	0	0	0	71	61			TOTAL CORR.			
	2300	X	0	0	0	62	61	X	X	SEA LEVEL PRESS.		29.970	29.890
										STATION PRESS.		29.975	29.895
										BAR. CORR.		-.005	-.005

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Mi.)	PEAK WIND DIR.	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER TOP	FROZEN GROUND LAYER BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
81	61	0	0	0	17	W	1545					7			

SUNRISE/SUNSET OF DAY DIFFERENT TO HEIGHT (2300 P TO 2300 P)

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.)	PERCENT OF POSSIBLE SUNSHINE	CHARACTER OF SUNRISE	CHARACTER OF SUNSET
FASTEST OBSERVED 1-MINUTE WIND SPEED / M.P.H.	OR FASTEST MILE / M.P.H.	ASSOCIATED DIRECTION	TIME

TIME CHECK - CLOCK AT: 2300 P @ 2 Sec. / 1000 P @ 1 Sec. / 1536 P @ 1 Sec.

1 - last of several occurrences

SP=

RS=

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
H	CONT	1240			
F	CONT	0735			
K	0735	1240			

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ○ U.S GPO 1983-0-706-005/6089

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 4 1987

TO CONVERT LST TO GMT: ADD 8 HRS SUBTRACT ____ HRS

TYPE	TIME (LST)	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles: SURFACE	VISIBILITY Miles: TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. MBS	TEMP °F	DEW PT °F	WIND: DIRECTION 00-36	WIND: SPEED KTS	WIND: GUSTS KTS	ALTIMETER SET IN.	REMARKS AND SUPPLEMENTAL CODED DATA	QUALITY CONTROL
SA	0449	10 SCT 220 -BKN	5		FH	156	60	58	01	04		999	/ 59	RKW
SP	0507	7 SCT 300 -BKN	5		FH				01	03		999		RKW
SA	0555	300 -BKN	5		FH	156	62	58	01	04		999	/FEW ST 7HNC	RKW
SA	0653	300 -SCT	6		HK	159	65	58	00	00		000	/FEW AC/ 303 1031	RKW
SA	0752	300 -BKN	6		HK	156	70	58	32	05		999	/FEW AC E-SE	RKW
SA	0849	300 -SCT	6		HK	158	75	58	03	04		998	/FEW AC E	RKW
SP	0910	300 -SCT	6		HK				17	16		999	/FEW AC NE-E WSHFT 03	RKW
SA	0950	300 -SCT	6		HK	159	68	58	19	11		000	/FEW AC DSNT N-NE 302 1031 59	RKW
SA	1051	300 -SCT	6		HK	163	69	59	16	12	X1		/ST BANK SE-S ACCAS NE-SE	RKW
SA	1152	CLR	8			159	70	59	17	10		000	/FEW ST SE-S ACCAS NE-SE	RKW
SA	1250	CLR	8			152	78	60	28	09		998	/ AC CI E-S/SCS 1031	SML
SA	1349	CLR	10			139	78	58	28	09		994	/CB DSNT E FEW CU AC CI N-E-S	ML
SA	1446	CLR	12			132	81	57	27	14		992	/CB DSNT NE-SE CU CI N-E-S	ML
SA	1553	250 SCT	12			122	76	54	27	12		987	CB N-E-SE/ 736 1903	RMS
SA	1651	250 SCT	13			115	76	52	29	10		987		RMS
SA	1751	250 SCT	189			119	72	54	25	09		978		RMS
SA	1855	150 SCT 250 SCT	25			115	67	50	33	07		997	/605 1071	RMS
SA	1952	CLR	20			119	65	50	30	08		998		RMS
SA	2055	CLR	20			119	65	56	31	10		998		RMS
SA	2152	CLR	20			119	64	56	30	05		998	/103 RE	RMS
SA	2247	CLR	15			119	65	57	14	10		998	LAST	RMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII Iliii iRiihVV Nddff 1snTTT 2snTdTdTd 3PoPoPoPo 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (11-82) WHICH MAY BE USED.

☆U.S.GPO:1984-0-764-008/8085

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 4 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMID. (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
00																								
01																								
02																								
03																								
04 47	29.950				8															3				
05 55	29.950				7															3				
06 53	29.955				5	2	AC	150	5	CI	300	5								2	3	.010		
07 52	29.950				6															2				
08 49	29.940				3															1				
09 50	29.960				4	2	AC	150	4	CI	300	4								1	3	.005		
10 51	29.970				3															1				
11 52	29.960				0															0				
12 50	29.975				0	0	AC	150	2	CI	250	0								0	8	.005		
13 49	29.985				0															0				
14 48	29.975				0															0				
15 52	29.965				1	0	CB	70	1	CI	220	1								1	7	.090		
16 51	29.930				1															1				
17 51	29.950				1															1				
18 55	29.930				1	1	AC	150	0	CI	250	1								1	6	.015		
19 52	29.940				0															0				
20 55	29.935				0															0				
21 56	29.940				0															0	1	.010		
22 47	29.970				0															0				
23																								

SYNOPTIC OBSERVATIONS

TIME (0 M T)	TIME (L S T)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF GRND.	SOIL TEMP.
	2308 TO 0444	X	0	0	X	62	59	X	X
	0444	1	0	0	0	62	59		
	0748	2	0	0	0	75	60		
	1547	3	0	0	0	82	68		
	2115	4	0	0	0	76	64		
	2300	X	0	0	0	65	64	X	X

STATION PRESSURE COMPUTATIONS

TIME (L S T)		0748	1548	2146
ATT. THERM.				
CORRD. BAR.				
TOTAL CORR.				
STA. PRESS.		29.763	29.865	29.962
BAROGRAPH		29.763	29.860	29.960
BAR. CORR.		0	-.015	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Kts.)	PEAK WIND DIR.	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER TOP	FROZEN GROUND LAYER BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
82	59	0	0	0	17	W	1507					3			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
F	CONT	0610			
H	CONT	1130			
K	0610	1130			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED MILE (M.P.H.) OR FASTEST MILE (M.P.H.) ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0500P @ 2 Sec. / 1000P @ 3 Sec. / 1534P @ 1 Sec.

1 - LIST OF SEVERAL OCCURRENCES

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED

U.S. GPO 1983-0-764-005/6089

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DOUGHERTY FIELD)

DATE: JUN 5 1987 87

TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT ____ HRS.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mbs)	TEMP °F	DEW PT °F	WIND DIRECTION (10's of Degrees)	WIND SPEED (Knots)	WIND GUSTS (Knots)	ALTIMETER SETTING (Inches)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER INITIALS
1	2	3	(4)	4a	5	6	7	8	9	10	11	12	(13)	(15)
SA	0454	E120 BCN 250 BCN	10			125	63	60	15	06		990	/ACCAS ALQPS VIRGA N-NE 62	AD
SA	0551	E120 BCN 250 OVC	10			125	64	60	13	04		990	/ACCAS ALQPS FEW ST S VIRGA SW-NE *BINC	AD
SA	0650	E120 BCN 250 BCN	10			125	65	60	19	04		990	/ACCAS ALQPS / 102 / 082	AD
SA	0745	120 SCT E150 BCN	10			129	67	60	18	08		991	/FEW ACCAS SW-N	AD
SA	0850	150 SCT 250 - BCN	12			129	69	60	19	08		991	/FEW ACCAS W	AD
SA	0953	250 - BKN	10			129	74	59	16	06		991	/FEW ACCAS AC/002 108262	AD
SA	1048	250 - BKN	10			125	75	58	18	07		990	/FEW ACCAS N-NE	AD
SA	1150	250 - SCT	10			115	80	57	20	06		987	/MDT CU CB N-E STNRY	AD
SA	1250	250 - BKN	10			112	79	56	17	09		986	/CB N-E STNRY/715 1901	AD
SA	1349	250 - OVC	11			108	78	56	17	11		985	/CB N-E	MC
SA	1445	E250 OVC	12			108	73	57	17	13		985	/CB N-E STNRY	MC
SA	1550	100 SCT - E250 OVC	15			119	70	57	14	14		988	/CB N-E 1967 82	AB
SA	1648	10 SCT 100 SCT E250 OVC	15			119	69	61	17	10		988	/SC [illegible]	AB
SA	1753	100 SCT E150 BKN 250 OVC	13			108	69	61	24	04		995	/FEW SC	AB
SA	1854	150 SCT E250 OVC	15			108	70	60	27	06		995	/61 1077	AB
SA	1951	150 SCT E250 OVC	15			112	70	54	27	07		996		AMS
SA	2048	100 SCT E150 BKN 250 OVC	15			115	71	53	20	05		997		AMS
SA	2150	100 SCT E150 OVC	15			122	66	60	16	12		989	/OCNL LTG SW & SHT SW / 214 136/ 82	MS
SP	2233	E100 BKN 150 OVC	15		T				14	09		989	*SW MOVG N OCNL LTG-CG *T831	AB
SA	2347	E90 BKN 150 OVC	15		T	122	66	61	16	09		989	/*SW*MOVG N LTG-CG *T831 LAST	AB

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRRt_R 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED

☆ U.S.GPO 1984-0-764-008/6085

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD) — Long Beach CA

SURFACE WEATHER OBSERVATIONS — 6-5-87

DATE: JUN 5 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3 HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)	HR.
00																									00 01
01																									01 02
02																									02 03
03																									03 04
04	54	29.855				9														9					04 05
05	51	29.860				10														9					05 06
06	50	29.800				9	9	ACCAS	E20	0	CI	250	9							9	1	.005			06 07
07	48	29.870				8														8					07 08
08	50	29.870				8														3					08 09
09	53	29.865				9	0	ACCAS	100	0	AC	180	0	9	CI	250	9			3	0	.005			09 10
10	48	29.860				9														4					10 11
11	50	29.830				5														2					11 12
12	50	29.820				9	0	CB	100	9	CI	250	9							2	7	.045			12 13
13	49	29.810				10														5					13 14
14	49	29.810				10														6					14 15
15	50	29.840				10	0	CB	80	3	AC	100	3	7	CS	E250	10			9	3	.020			15 16
16	48	29.835				10														9					16 17
17	53	29.810				10														10					17 18
18	51	29.805				10	4	AC	150	6	CS	E250	10							9	6	.035			18 19
19	51	29.820				10														9					19 20
20	49	29.830				10														10					20 21
21	50	29.845				10	0	CB	70	4	AC	100	4	6	AC	E250	10			10	2	.040			21 22
22	47	29.855				10														10					22 23
23																									23 24

SYNOPTIC OBSERVATIONS

TIME (GMT)	TIME (LST)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.		
	2300 GMT	X	0	0	X	65	62	X	X						X		
	0545	1	0	0	0	65	62										
	0948	2	0	0	0	76	62										
	1545	3	0	0	0	82	69										
	2145	4	0	0	0	71	66										
	2300 GMT	X	0	0	0	66	66	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)		0950	0546	2146
ATT. THERM.				
OBSERVD. BAR.				
TOTAL CORR.				
EVA. PRESS.		29.865	29.840	29.845
BARIGRAPH		29.87	29.84	29.850
BAR. CORR.		-.005	+.005	+.005

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT) (2300P - 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNKNOWN TO (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Knots)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)	
82	62	0	0	0	19	S	1451					9			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
T	2231	0041			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 1000 ✓2 Sec. / 1536 ✓2 Sec. / 2130 ✓2 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ○U.S GPO 1983-0-764-009/6089

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

STATION: LONG BEACH, CALIF. (DOUGHERTY FIELD)

DATE: JUN 6 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

SURFACE WEATHER OBSERVATIONS

TYPE	TIME (LST)	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles: SURFACE	VISIBILITY Miles: TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS.	TEMP °F	DEW PT °F	WIND DIRECTION (00-36)	WIND SPEED Kts.	WIND CHARACTER	ALTIMETER SETTING (Hund.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER INITIALS
SA	0447	M8 OVC	5		F	125	63	62	14	07		990	/CIG RGD/ 63 20008	RW
SP	0531	M7 BKN 12 OVC	5		F				16	09		990	/CIG RGD	RW
SA	0553	M6 BKN 70 BKN 250 BKN	5		F	129	63	61	16	10		991	/6 BKN V SCT CB SE	RW
													MOVG NW TCU SW-NW	
SP	0628	M8 BKN 70 OVC	5		TF				12	15		991	/TB25 SE MOVG NW	RW
													OCNL LTG ICCG SE-S	
													RWR SE-S TOPS LWR	
													LAYER 020	
SA	0654	M8 BKN 70 OVC	5		TRW-F	132	63	60	14	09		992	/TB25 OVHD MOVG NW	RW
													OCNL LTG ICCG SW-NW	
													RB45/ 31000 19//	
SP	0721	M8 OVC	5		F				17	06		994	/TE19 MOVD NW CIG	RW
													RGD	
SA	0751	M9 OVC	7			139	64	61	15	11		994	/TE19 MOVD NW RE19	RW
													CIG RGD RWR N AND	RW
													E	
SA	0848	M9 BKN 70 OVC	7			135	65	61	14	09		993	/BRKS OVHD CIG RGD	RW
													TOPS LWR LAYER 018	
													SM1 SW VCB	
SP	0902	M10 BKN 70 OVC	8						15	07		993	/BRKS SE CIG RGD	RW
													VSBY LWR NW-N	
													WND C9V:7	
RS	0950	M12 OVC	8		T	135	66	61	14	11		993	/TB47 NE-E MOVG N	RW
													OCNL LTG IC RWR E-SE	
													CIG RGD/ 00302 19//	
													63	
SP	1007	8 SCT M12 OVC	8		TRW-				15	10		993	/T NE-SE MOVG N	RW
													OCNL LTG ICCCCG	
SP	1036	8 SCT M10 OVC	6		H				13	13		993	/TE34 MOVG N CB	RW
													NW-NE MOVG N RWR	
													N-NE CIG RGD	
SA	1055	8 SCT M11 OVC	6		H	135	65	60	15	14	G20	993	/TE34 MOVG N CB	RW
													NW-NE MOVG N RB03	
													E28 RWR N-NE CIG	
													RGD	
SP	1139	10 SCT E15 OVC	8						15	15		993	/THIN SPOTS IN OVC	RW
SA	1152	12 SCT E15 OVC	8			135	68	61	15	14		993	/THIN SPOTS IN OVC, TOPS 020	RW
SA	1249	12 SCT E15 BKN	10			135	68	60	16	14		993	/SCT V BKN/ 70:00 1500	RW
SP	1316	M12 BKN 15 BKN	10						14	16		992		RW
SA	1349	M13 BKN 15 OVC	12			132	68	59	16	13		992		RW
SA	1451	M13 OVC	12			135	66	59	18	10		993	/SML BINOVC W TOPS	RW
													020	
SA	1552	M12 OVC	12			135	67	59	17	07		993	/THN SPOTS 10VC/ 80[illegible]511	AO
													69	
SA	1648	M14 BKN 20 OVC	12			132	66	59	16	10		992	/8 NOVC NW-NE	AO
SP	1709	15 SCT 21- BKN	10						16	10		991		AO
SP	1725	15 SCT M23 OVC	10						16	12		991	/FEW BIN OVC S	AO
SA	1747	15 SCT M22 OVC	10			132	65	58	16	10		992		AO
SA	1848	M15 O/C	12			139	65	57	15	09		994	/305 1511	AO

A synoptic observation using WMO code FM12-VII, as described in FMH-2, to enter * on line following related Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3PoPoPoPo 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

☆U.S.GPO:1984-0-764-008/8086

MF 1-10A (3-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

SURFACE WEATHER OBSERVATIONS

DATE: JUN 6 1987

TO CONVERT LST TO GMT: ADD 8 HRS SUBTRACT ____ HRS

TYPE (1)	TIME (LST) (2)	SKY AND CEILING (Hundreds of Feet) (3)	VISIBILITY (Miles) SURFACE (4a)	VISIBILITY TOWER (4b)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. (Mbs.) (6)	TEMP °F (7)	DEW PT. °F (8)	WIND DIRECTION (10s-Degs.) (9)	WIND SPEED (Kts.) (10)	WIND CHARACTER (11)	ALTIMETER SETTING (Ins.) (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER INITIALS (15)
SP	1932	M 13 OVC	10						16	07		996		AD
SA	1948	M 13 OVC	10			146	64	58	17	06		996		AD
SA	2049	M 13 OVC	8		L-	149	64	58	17	08		997	/TOPS 030 *LB40	AD
SA	2151	M 13 BKN 220 OVC	8			149	64	58	16	06		997	/CEOS / CO 800 15// 69	AD
SP	2221	13 SCT M 220 OVC	8						15	08		996		AD
SP	2249	13 SCT M 220 OVC	8			146	63	58	14	07		996	/LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_n$TTT $2s_n T_d T_d T_d$ $3P_o P_o P_o P_o$ 4PPPP 5appp 6RRRt_R 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (11-82) WHICH MAY BE USED.

☆ U.S.GPO 1984-0-764-008/6085

MP1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DOUGHERTY FIELD)

DATE: JUN 6 1987 87

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMID. (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								00
01																								01
02																								02
03																							.06	03
04	47 29.860				10															10			.02	04
05	53 29.865				9															9				05
06	54 29.880				10	8	ST	M8	2	CB	70	10								10	3	.030		T	06
07	51 29.900				10															10				.02	07
08	48 29.890				10															10					08
09	50 29.890				10	10	CB	M12												10	0	.010			09
10	55 29.890				10															10				T	10
11	52 29.890				10															10					11
12	49 29.890				9	5	SC	12	4	SC	E15	9								9	4	.030			12
13	49 29.885				10															10					13
14	51 29.890				10															10					14
15	52 29.895				10	10	SC	M13												10	8	.05			15
16	48 29.870				10															10					16
17	47 29.880				10															10					17
18	45 29.900				10	10	SC	M15												10	3	.015			18
19	48 29.920				10															10					19
20	49 29.930				10															10				T	20
21	57 29.925				10	9	SC	M13	1	SC	22	10								10	0	.025		T	21
22	49 29.920				10															10					22
23																								23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.) 2300	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF GRND.	SOIL TEMP.	STATION PRESSURE COMPUTATIONS: TIME (L.S.T.)		2449	1549	2149
	2300 TO 2444	X	.08	0	X	66	63	X	X	ATT. THERM.				
	2444	1	.08	0	0	66	63			CORR'D. BAR.				
	2448	2	.02	0	0	67	63			TOTAL CORR.				
	1547	3	T	0	0	69	64			SEA LEVEL PRESS.		29.890	29.885	29.925
	2147	4	T	0	0	67	64			BAROGRAPH		29.890	29.880	29.930
	2300	X	0	0	0	64	63	X	X	BAR. CORR.		0	+.005	-.005

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Kts.)	PEAK WIND: DIRECTION	PEAK WIND: TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.): TOP	FROZEN GROUND LAYER (Ins.): BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: SUNSET TO MIDNIGHT	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
69	63	.10	0	0	21	S	1232					10			

REMARKS, NOTES AND NONCOLLOQUIAL ABBREVIATIONS

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED AND DIRECTION | M.P.H. | OR FASTEST MILE | M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0500P @3 Sec./ 1000P @3 Sec./ 1600P @3 Sec.

SP=

RS=

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
	02	03	04	05	06
T	CONT	UNKN			
F	UNKN	0735			
T	0625	0719			
RW-	0645	0719			
T	0947	1034			
RW-	1003	1028			
H	1028	1115			
L-	2040	2105			

MP1-10B (10-83) SUPERSEDES MP1-10B (1-82) WHICH MAY BE USED. * U.S. GPO 1983-0-784-008/6099

MF1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 7 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mbs.)	TEMP (°F)	DEW PT (°F)	WIND DIRECTION (10's of Degrees)	WIND SPEED (Knots)	WIND CHARACTER	ALTIMETER SETTING (Inches)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER INITIALS
	2	3	4a	4e	5	6	7	8	9	10	11	12	13	13a
SA	0449	M17 OVC	12			142	64	58	22	05		995	/FEW LWR SC/ 63	RW
													20002	
SA	0552	M16 OVC	15			142	64	57	16	04		995	/FEW LWR SC TOPS	RW
													022 4MI SW LGB	
SA	0649	M15 OVC	12			146	64	58	17	04		996	/TOPS 030/ 307 15//	RW
SA	0755	M16 OVC	10			146	65	58	23	04		996		RW
SA	0853	M17 OVC	8			146	66	58	20	03		996		RW
SA	0950	M18 OVC	6		HK	146	68	58	17	05		996	/ 400 15// 63	RW
SA	1051	M21 OVC	7			146	70	58	21	07		996	/WND 16V27	RW
SA	1148	E22 OVC	8			142	71	58	18	13		995	/8NOVC	RW
L	1202	E25 BKN	8						18	10		995		RW
SP	1215	25 SCT	10						17	13		995		RW
SA	1249	25 SCT 50 SCT	12			139	72	58	17	11		994	/TCU N OMTNS/ 807 1800	RW
SA	1349	25 SCT 50 SCT	10			135	72	58	18	14		993	/25 SCT V BKN TCU N	RW
													OMTNS	
SP	1421	E25 BKN 50 BKN	10						20	12		992	/25 BKN V SCT TCU	RW
													N OMTNS TOPS OF	
													LWR LAYER 030	
SA	1449	M21 BKN 50 BKN	10			132	71	59	19	12		992	/MOT CU N OMTNS	RW
SA	1551	M22 OVC	10			132	70	59	22	10		992	/ 608 15// 73	AO
SA	1648	M18 OVC	10			129	68	59	28	12		991		AO
SP	1737	M13 BKN 20 OVC	10						28	09		993		AO
SA	1747	M12 BKN 18 OVC	10			135	66	60	27	08		993		AO
SA	1850	M14 BKN 20 OVC	10			139	66	59	22	07		994	/TOPS 027 / 208 15//	AO
SP	1939	M16 OVC	8				66		20	07		995	TOPS 030	AO
SA	1948	M16 OVC	8			142	65	59	22	06		995		AO
SA	2049	M19 OVC	8			142	65	58	22	04		995		AO
SA	2149	M18 OVC	8			146	65	58	26	03		996	/ 207 15// 73	AO
SA	2248	M16 OVC	8			146	65	58	25	04		996	/LAST	AO

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $^{1}R_{I_R}hVV$ Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP Seppp 6RRRt_R 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

☆ U.S.GPO:1984-0-764-008/6085

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 7 1987

To convert LST to GMT ADD 7 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUB-STATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUB-STATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL O-PAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Dec. Hrs.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								
01																								
02																								
03																								
04	47	29.910			10															10				
05	52	29.910			10															10				
06	49	29.920			10	10	SC	M15												10	3	.020		
07	55	29.920			10															10				
08	53	29.920			10															10				
09	50	29.920			10	10	SC	M18												10	4	.000		
10	51	29.920			10															10				
11	48	29.910			10															10				
12	49	29.900			3	3	SC	25	0	TCU	50	3								3	8	.020		
13	49	29.870			5															5				
14	49	29.880			7															7				
15	51	29.875			10	10	SC	M22												10	6	.025		
16	48	29.870			10															10				
17	47	29.890			10															10				
18	50	29.900			10	8	SC	M14	2	SC	20	10								10	2	.025		
19	48	29.910			10															10				
20	49	29.910			10															10				
21	49	29.920			10	10	SC	M18												10	2	.020		
22	48	29.920			10															10				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.		
41	2300	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58
	0444	X	0	0	X	64	63	X	X						X		
	0444	1	0	0	0	64	63										
	0948	2	0	0	0	68	63										
	1548	3	0	0	0	73	67										
	2147	4	0	0	0	70	65										
	2300	X	0	0	0	66	65	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59		0949	1549	2148
ATT. THERM. 60				
OBSERVED BAR. 61				
TOTAL CORR. 62				
SYA. PRESS. 63		29.920	29.875	29.920
BAROGRAPH 64		29.925	29.880	29.925
BAR. CORR. 65		-.005	-.005	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Inc.)	24-HR. SNOWFALL UNMELTED (Inc.)	SNOW DEPTH (Inc.)	PEAK WIND: SPEED (Kts.)	PEAK WIND: DIRECTION	PEAK WIND: TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Inc.)	FROZEN GROUND LAYER: TOP	FROZEN GROUND LAYER: BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Inc.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
73	63	0	0	0	17	5	1329					9			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88
H	0930	1040			
K	0930	1040			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P ±0 Sec. / 1000P ±0 Sec. / 1600P ±0 Sec.

H LAST - ? SEVERAL OCCURRENCES

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆ U.S.GPO 1983-0-784-008/8088

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

SURFACE WEATHER OBSERVATIONS

DATE: JUN 8 1987 87 | TO CONVERT LST TO GMT ADD 8 Hrs. SUBTRACT ____ Hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mbs.)	TEMP °F	DEW PT °F	WIND DIRECTION (100's deg.)	WIND SPEED Kts.	WIND CHARACTER	ALTIMETER SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER INITIALS
1	2	(3)	(4)	4a	5	6	7	8	9	10	11	12	(13)	(14)
SA	0455	M15BKN 20OVC	10			142	64	58	16	03		995	/64	RMS
SP	0523	M15BKN 20OVC	10						18	05		996	/Tops 034	RMS
SA	0550	M15BKN 20OVC	10			146	64	58	22	04		996	Tops 035	RMS
SA	0653	M15BKN 20OVC	10			149	64	59	21	05		997	/308 15/1	RMS
SA	0749	15SCT M20OVC	10			156	65	59	24	03		999	/SCT L BKN	RMS
SA	0946	12SCT M15OVC	9			152	65	59	29	04		999	/SCT L BKN Tops 035	RMS
SP	0957	M12BKN 15OVC	10						29	04		997		RMS
SA	0948	M14OVC	10			152	66	59	29	03		998	/002 15/1 64	RMS
SP	1040	M15BKN 19OVC	10						00	00		997		RMS
SA	1051	M15BKN 19OVC	10			149	67	59	23	05		997		RMS
SA	1150	M20OVC	7			146	69	60	23	08		996		RMS
SA	1246	M20OVC	7			142	70	60	29	08		995	/708 15/1	RMS
SA	1345	M21OVC	9			135	72	60	26	09		993	/SML BINOVC CLND	RMS
SP	1357	8SCT M19OVC	10						28	08		993	/CIG LWR SE-S	RMS
SA	1444	M21BKN	10			132	72	59	22	08		992	/ TOPS 026	RMS
SA	1550	M21 BKN	8			132	71	59	25	07		992	/BKN V SCT / 610 1500 73	RKW
SP	1610	21 SCT	8						27	12		992		RKW
SA	1652	21 SCT	8			129	68	59	28	09		991	/CIG LWR SE-S	RKW
SP	1714	M18 BKN	8						30	06		991		RKW
SA	1751	M18 BKN	8			129	67	59	28	09		991	/BKN V SCT	RKW
SP	1801	18 SCT	8						29	07		991		RKW
SP	1852	M16 BKN	8						27	08		992	/BKN V -BKN	RKW
SA	1855	M16 OVC	8			132	65	58	28	08		992	/FEW LWR SC SML BINOVC NW / 500 15/1	RKW
SP	1930	12 SCT M14 OVC	8						27	07		993	/CIG LWR SE	RKW
SA	1954	12 SCT M14 OVC	8			135	64	58	27	07		993	/TOPS 022	RKW
SA	2047	12 SCT M14 OVC	8			139	64	58	28	07		994		RKW
SA	2153	10 SCT M13 OVC	7			139	64	58	31	05		994	/ 07 15/1 73	RKW
SA	2251	M13 OVC	6		H	139	64	58	20	06		994	/LAST	RKW

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iR$_i$$_x$hVV Nddff 1s$_n$TTT 2s$_nT_dT_dT_d$ 3P$_o$P$_o$P$_o$P$_o$ 4PPPP 5appp 6RRRt$_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

☆U.S.GPO:1984-0-764-008/8035

MF1-108 (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELDT

DATE: JUN 8 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)	HR.
00																									00
01																									01
02																									02
03																									03
0455	29.910				10															10					04
0553	29.915				10															10					05
0653	29.930				10	7	SC	M15	3	SC	25	10								10	3	.025			06
0749	29.945				10															10					07
0846	29.940				10															10					08
0948	29.935				10	10	SC	M14												10	0	.005			09
1051	29.925				10															10					10
1150	29.925				10															10					11
1246	29.910				10	10	SC	M20												10	7	.025			12
1349	29.890				10															10					13
1449	29.885				7															7					14
1550	29.880				6	6	SC	M21												6	6	.030			15
1652	29.870				3															3					16
1751	29.870				6															6					17
1855	29.880				10	0	SC	12	10	SC	M16	10								10	5	.000			18
1954	29.890				10															10					19
2047	29.900				10															10					20
2153	29.900				10	3	SC	10	7	SC	M13	10								10	1	.020			21
2251	29.900				10															10					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (GMT)	TIME (LST)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.					SOIL TEMP.		
	2300 ADD TO							49		51	52	53	54	55	56	57	58
	0453		0	0		65	64										
	0457	1	0	0	0	66	64										
	0945	2	0	0	0	66	64										
	1548	3	0	0	0	73	66										
	2151	4	0	0	0	71	63										
	2300		0	0	0	64	63										

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59	24E	1547	2150
ATT. THERM. 60			
OBSERVED BAR. 61			
TOTAL CORR. 62			
STA. PRESS. 63	29.935	29.880	29.900
BAROGRAPH 64	29.940	29.880	29.905
BAR. CORR. 65	-.005	0	-.005

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT) (2300 P TO 2300 P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNOFF. TO (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Kts.)	PEAK WIND: DIR. (tens)	PEAK WIND: TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.): TOP	FROZEN GROUND LAYER (Ins.): BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
73	63	0	0	0	15	W	1600					9			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
02	03	04	05	06	07
H	2230	CONT			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500 P Sec./ 0930 P Sec./ 1600 P ± 0 Sec.

SP=

RS=

MF1-108 (10-83) SUPERSEDES MF1-108 (1-82) WHICH MAY BE USED. ○ U.S GPO 1983-0-764-008/6098

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 9 1987

TO CONVERT LST TO GMT: ADD 8 hrs SUBTRACT ____ hrs

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (MBS)	TEMP °F	DEW PT °F	WIND DIRECTION (00-36)	WIND SPEED (Kts)	WIND CHARACTER	ALTIMETER SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	QUALITY CONTROL
	1	2	3 (a)	3 (b)	5	6	7	8	9	10	11	12	13	18
SA	0449	M 10 OVC	4		FH	129	63	59	00	00		991	/ 63	AO
SP	0532	M 9 OVC	3		L-FH				15	05		992		AO
SA	0546	M 9 OVC	3		L-FH	132	63	59	15	04		992	/CB25 TOPS 025	AO
SP	0617	9 SCT M 110VC	3		FH				12	05		992		AO
SA	0649	9 SCT M 110VC	3		H	132	64	59	16	03		992	*/10500 16//*LE15	AO
SP	0719	7 SCT M 10 OVC	3		H				16	04		993	SCT V BKN	AO
SA	0750	7 SCT M 120VC	3		L-H	135	64	60	14	03		993	/CB40 SCT V BKN	AO
SA	0847	8 SCT M 11 OVC	7			135	65	60	00	00		993	/LE25	AO
SA	0950	M 11 OVC	12			135	65	59	17	06		993	/TOPS 026 /00200 16// 62	AO
SA	1047	M 13 OVC	10			132	67	59	19	04		992		AO
SP	1120	12 SCT M 15 OVC	10						21	06		991	/SUN ONLY VSB	AO
SA	1148	12 SCT M 15 OVC	10			129	68	60	18	08		991		AO
SP	1223	18 SCT 23- BKN	10						19	07		989		AO
SA	1249	CLR	10			119	71	60	20	09		988	/FEW ST / 815 1600	AO
SA	1349	CLR	10			115	72	60	19	10		987		AO
SP	1449	CLR	10			112	72	60	18	11		986		AO
SA	1550	11 SCT	8			105	69	60	23	09		987	/E14 1500 72	AO
SA	1647	11 SCT	6		H	105	70	60	24	08		987		AO
SA	1746	11 SCT	5		H	108	67	59	28	08		985	/VSB LWR W	AO
SP	1815	7 SCT	4		H				28	08		985		AO
SA	1847	14-OVC	4		H	108	69	59	27	07		985	/103 1500	AO
SP	1907	M 11 BKN	4		H				28	06		986		AO
SP	1922	M 11 OVC	4		H				28	06		985	/FEW SML BINOC	AO
SA	1946	M 11 OVC	5		H	112	64	59	24	06		986		AO
SA	2050	M 11 OVC	4		H	115	64	58	30	06		987		AO
SA	2151	M 11 OVC	4		FH	115	64	59	26	03		987	/107 1517 72	AO
SA	2246	M 11 OVC	5		FH	115	63	59	14	06		987	/E AST	AO

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ $4PPPP$ $5appp$ $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

☆ U.S. GPO 1984-0-764-006/8085

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 9 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	CLOUDS AND OBSCURING PHENOMENA: TOTAL SKY COVER	LOWEST LAYER: AMT	TYPE	HEIGHT	SECOND LAYER: AMT	TYPE	HEIGHT	SUMMATION TOTAL	THIRD LAYER: AMT	TYPE	HEIGHT	SUMMATION TOTAL	FOURTH LAYER: AMT	TYPE	HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								
01																								
02																								
03																								
04	47	29.870			10															10				
05	48	29.880			10															10				T
06	47	29.880			10	2	ST	9	10	ST	M11	10								10	1	.015		T
07	50	29.870			10															10				T
08	47	29.870			10															10				T
09	50	29.885			10	10	ST	M11												10	0	.005		
10	47	29.880			10															10				
11	48	29.885			10															10				
12	49	29.840			0	0	ST	23												0	8	.045		
13	49	29.830			0															0				
14	49	29.820			0															C				
15	50	29.800			1	1	SC	11												1	8	.040		
16	47	29.800			3															3				
17	46	29.810			3															3				
18	47	29.810			8	8	SC	14												1	1	.010		
19	46	29.820			10															10				
20	50	29.825			10															10				
21	51	29.830			10	10	SC	M11												10	1	.020		
22	46	29.825			10															10				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.		
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58
	0447	X	0	0	X	64	63	X	X						X		
	0447	1	0	0	0	64	63										
	0947	1	T	0	0	66	62										
	1545	3	0	0	0	72	65										
	2145	6	0	0	0	71	63										
	2300	X	0	0	0	64	63	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59		0945	1546	2146
ATT. THERM. 60				
OBSVD. BAR. 61				
TOTAL CORR. 62				
STA. PRESS. 63		29.835	29.730	29.830
BAROGRAPH 64		29.880	29.810	29.825
BAR. CORR. 65		-.065	-.010	+.005

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Kts.)	DIRECTION	TIME (L.S.T.)	THICK. NESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.): TOP	BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
72	62	T	0	0	16	SW	1524					6			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88
H	CONT	0830			
F	UNKN	0630			
L-	0525	0615			
L-	0740	0825			
H	1630	CONT			
F	2140	CONT			

99. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P ±0 Sec. / 1000P ±0 Sec. / 1530P ±0 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. U.S. GPO 1983-0-784-008/8088

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 10 1987

TO CONVERT LST TO GMT: ADD 8 hrs SUBTRACT ____ hrs

TYPE	TIME (LST)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles: SURFACE (4)	VISIBILITY Miles: TOWER	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. Mbs. (6)	TEMP °F (7)	DEW PT °F (8)	WIND: DIRECTION (00-36) (9)	WIND: SPEED Kts. (10)	WIND: CHARACTER (11)	ALTIMETER SETTING Ins. (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER'S INITIALS (15)
SA	0452	M 7 OVC	4		L-F	112	63	59	15	05		986	/ 62	AD
SA	0548	M 7 OVC	4		L-F	115	63	59	14	06		987		AD
SP	0634	7 SCT M 8 OVC	4		L-F				13	05		988	/ TOPS 022	AD
SA	0649	M 8 OVC	5		L-FH	119	63	59	18	04		988	/30500 16//	AD
SP	0710	6 SCT M 8 OVC	5		L-FH				17	06		988		AD
SA	0750	7 SCT M 9 OVC	5		FH	122	63	59	16	06		989	/LE15	AD
SP	0808	8 SCT M 10 OVC	6		H				20	04		989		AD
SA	0848	8 SCT M 10 OVC	6		H	122	64	59	17	06		989	/ TOPS 025	AD
SA	0950	M 10 OVC	7			125	64	59	17	06		990	/ 20700 16// 62	AD
SA	1048	M 11 OVC	7			129	65	59	15	05		991		AD
SA	1148	M 11 OVC	7			129	67	59	17	07		991		AD
SA	1248	M 11 OVC	8			125	67	59	15	09		990	/LRG BINOVC W-NW 8 62 16	AD
SP	1327	12 SCT	10						19	09		989	/SCT V BKN	ML
SA	1349	14 SCT	11			119	69	60	19	09		988		ML
SA	1449	14 SCT	11			115	68	60	19	08		987		ML
SA	1552	14 SCT	13			108	67	59	16	08		985	/ 715 1552 70	AMS
SA	1648	14 SCT	11			108	66	59	15	10		985		AMS
SA	1750	13 SCT	11			108	64	58	17	08		985		AMS
SA	1848	10-BKN	13			112	63	58	17	09		986	/303 1500	AMS
SP	1900	M10 BKN	13						15	07		986		AMS
SA	1947	M 12 OVC	10			115	63	58	17	06		987		AMS
SA	2048	M 11 OVC	9			119	62	57	17	07		988		AMS
SP	2150	M10 OVC	8			122	62	57	19	05		989	/10B 1511 70	AMS
SA	2240	M11 OVC	7			122	62	57	23	06		989	/LAST	AMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-88) WHICH MAY BE USED.

☆U.S.GPO 1984-0-764-008/6085

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 10 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)	
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
00																									00
01																									01
02																									02
03																									03
04 52	29.82				10															10				T	04
05 48	29.83				10															10				T	05
06 49	29.84				10	10	ST	M8												10	3	.015		T	06
07 50	29.85				10															10				T	07
08 48	29.85				10															10					08
09 50	29.80				10	10	ST	M10												10	2	.020			09
10 48	29.85				10															10					10
11 48	29.87				10															10					11
12 48	29.85				10	80	ST	M11												9	8	.005			12
13 49	29.84				2															2					13
14 49	29.83				1															1					14
15 52	29.82				1	1	SC	14												1	7	.045			15
16 49	29.81				1															1					16
17 50	29.82				2															2					17
18 49	29.82				8	8	SC	10												4	3	.010			18
19 47	29.82				10															10					19
20 49	29.84				10															10					20
21 50	29.85				10	10	SC	M10												10	1	.025			21
22 46	29.85				10															10					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (GMT)	TIME (LST)	NO.	PRECIP. (Inches)	SNOW FALL (Inches)	SNOW DEPTH (Inches)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GROUND						DEW POINT TEMP.			
41	42		44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	
	00 TO 0449	X	T	0	X	63	62	X	X						X			
	0449	1	T	0	0	64	62											
	0947	1	T	0	0	65	62											
	1545	1	0	0	0	70	64											
	2145	1	0	0	0	68	62											
	2300	X	0	0	0	62	61	X	X						X			

STATION PRESSURE COMPUTATIONS

TIME (LST)	0749	1545	2146
ATT. THERM.			
CORR. (Table)			
TOTAL CORR.			
STA. PRESS.	29.80	29.80	29.84
BAROGRAPH	29.85	29.82	29.84
BAR. CORR.	+.005	-.010	+.005

SUMMARY OF DAY (GMT) TO (GMT) (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Inches)	24-HR. SNOWFALL UNMELTED (Inches)	SNOW DEPTH (Inches)	PEAK WIND: SPEED (KIAS)	PEAK WIND: DIRECTION	PEAK WIND: TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Inches)	FROZEN GROUND LAYER (Inches): TOP	FROZEN GROUND LAYER (Inches): BASE	RIVER GAGE	SKY COVER: DURATION TO SUNSET	SKY COVER: UNLIMITED CEILING DURING SUNLIGHT	WATER EQUIV. (Inches)	
70	61	T	0	0	15	5	1442					7			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
F	CONT	0800			
H	CONT	UNKN			
L-	UNKN	0715			
H	0630	0940			

REMARKS, NOTICES AND MISCELLANEOUS PHENOMENA

TIME SUNRISE SUNSET

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST ESTIMATED SPEED ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P ±0 Sec. / 1100P ±0 Sec. / 1534P ±0 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆U.S.GPO:1983-0-764-008/8099

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 11 1987

TO CONVERT LST TO GMT: ADD 8 Hrs SUBTRACT ___ Hrs

TYPE	TIME (GMT)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles): SURFACE	VISIBILITY (Miles): TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mbs)	TEMP (°F)	DEW PT (°F)	WIND: DIRECTION (00=N)	WIND: SPEED (Kts)	WIND: CHARACTER	ALTIMETER SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	QC
SA	0452	M10 OVC	4		FH	115	62	57	00	00		987	/ 61	AD
SA	0545	M11 OVC	4		FH	119	63	57	00	00		988		AD
SA	0649	M11 OVC	4		FH	122	63	57	16	05		989	4/ 305 16 11 * 70PS C24	AD
SA	0749	M13 OVC	4		HK	129	64	57	13	05		991		AD
SP	0811	M15 OVC	4		HK				21	06		991		AD
SA	0848	M15 OVC	4		HK	132	65	57	21	05		992		AD
SA	0949	M18 OVC	3		HK	139	67	57	17	03		994	/ THN SPOTS 10VC / 215 16 11 61	AD
SP	1033	20-BKN	4		HK				18	10		995		AD
SA	1051	20-BKN	4		HK	142	68	57	18	08		995		AD
SA	1152	CLR	5		H	142	69	57	19	08		995	/ FEW ST CI	AD
SA	1250	CLR	6		H	142	70	58	18	08		995	/ FEW ST CI / 105 1601	AD
SA	1351	250-SCT	12			142	70	57	17	09		995		MC
SA	1449	250-SCT	15			139	70	56	19	09		994		MC
SA	1555	250-SCT	15			129	71	55	18	10		991	/ 914 1601 T	RM
SA	1654	250-SCT	15			125	71	55	31	06		990		RMS
SA	1755	CLR	15			124	69	55	27	08		991	/ FEW CI	RMS
SA	1853	250-SCT	20			132	61	55	26	04		992	1302 1601	RMS
SA	1950	CLR	20			135	62	55	26	06		993	/ FEW CI	RMS
SA	2049	CLR	20			136	62	55	26	05		996		RMS
SA	2150	CLR	20			149	61	55	24	05		997	/ 119 72	RMS
SA	2249	CLR	20			152	60	55	25	05		995	/ LAST	RMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iR$_I$ihVV Nddff 1s$_n$TTT 2s$_n$T$_d$T$_d$T$_d$ 3P$_o$P$_o$P$_o$P$_o$ 4PPPP 5appp 6RRRt$_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

☆U.S.GPO 1983-0-684-008/8010

MF1-10B
10-83

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 11 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

CLOUDS AND OBSCURING PHENOMENA

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								HR.
01																								01
02																								02
03																								03
04	52	29.825				10														10				04
05	49	29.835				10														10				05
06	49	29.850				10	10	ST	M11											10	3	.015		06
07	49	29.870				10														10				07
08	48	29.880				10														10				08
09	49	29.875				10	10	ST	M18											10	2	.045		09
10	51	29.910				8														4				10
11	52	29.910				0														0				11
12	50	29.910				0	0	ST	22	0	CI	250	0							0	1	.015		12
13	51	29.905				1														0				13
14	49	29.895				2														0				14
15	53	29.870				1	1	CI	250											0	8	.040		15
16	47	29.860				1														0				16
17	55	29.865				0														0				17
18	53	29.875				1	1	CI	250											0	3	.005		18
19	52	29.885				0														0				19
20	46	29.920				0														0				20
21	50	29.930				0														0	1	.055		21
22	46	29.935				0														0				22
23																								23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.) 3300	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.			
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	
	0450	X	0	0	X	62	61	X	X						X			
	0450	1	0	0	0	62	61											
	0947	2	0	0	0	67	62											
	1550	3	0	0	0	71	67											
	2145	4	0	0	0	72	61											
	2300	X	0	0	0	61	60	X	X						X			

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59	0946	1951	2146	
ATT. THERM. 60				
OBSERVED BAR. 61				
TOTAL CORR. 62				
STA. PRESS. 63	29.885	29.870	29.930	
HAND SMOOTH 64	29.885	29.880	29.924	
BAR. CORR. 65	0	-.010	+.005	

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Knots)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
72	60	0	0	0	15	5	1322					5			

82. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE (MIN.)	PERCENT OF POSSIBLE SUNSHINE	CHARACTER OF SUNRISE	CHARACTER OF SUNSET
FASTEST OBSERVED 1-MINUTE WIND SPEED ____ OR FASTEST ____ M.S.T. ____ M.P.H.		PREVAILING DIRECTION	TIME

TIME CHECK - CLOCK AT 0500P ±0 Sec./ 1000P ±0 Sec./ 1534P ±0 Sec.

SP=

RS=

WEATHER & OBSTRUCTIONS TO VISION

TYPE 92	BEGAN 93	ENDED 94	TYPE 95	BEGAN 97	ENDED 98
F	UNKN	0730			
H	UNKN	1320			
K	0730	1126			

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ○ U.S.GPO 1983-0-784-008/6099

MF 1-10A
15-831

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 12 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE (1)	TIME (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles: SURFACE (4a)	VISIBILITY Miles: TOWER (4b)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. Mbs. (6)	TEMP °F (7)	DEW PT °F (8)	WIND: DIRECTION (10's) (9)	WIND: SPEED Kts. (10)	WIND: CHARACTER (11)	ALTIMETER SETTING (Ins.) (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER'S INITIALS (13)
SA	~~0853~~	M 9 OVC	4		F H	156	59	55	00	00		~~999~~	/ 58	AD
SP	0525	M 10 OVC	4		F H				02	03		000		AD
SA	0547	M 11 OVC	4		F H	163	60	55	01	04		001		AD
SA	0647	M 11 OVC	4		F H	166	61	56	06	03		002	*/ 119 16 // * TOPS 020	AD
SA	0750	M 11 OVC	4		H	169	62	56	10	03		003		AD
SA	0847	M 14 OVC	4		H	173	65	56	00	00		004	/THN SPOTS ABV	AD
SP	0903	M 15 OVC	4		H				13	04		004	/THN SPOTS 10VC	AD
SA	~~0949~~	M 17 BKN	5		H	176	66	56	19	07		005	/108 1500 58	AD
SP	1009	18 SCT	5		H				14	05		004		AD
SA	1050	16 - SCT	5		H	176	69	56	18	07		005		AD
SA	1150	CLR	5		H	180	68	56	18	11		006	/FEW SC	AD
SA	1250	CLR	6		H	180	70	57	20	10		006	/FEW SC W/ 102 1500	AD
SA	1349	CLR	8			180	71	57	19	09		006		ML
SA	1449	CLR	10			176	73	56	29	07		005		ML
SA	1550	CLR	10			176	71	56	25	10		005	/ 603 74	KW
SA	1653	CLR	~~10~~			176	70	56	28	08		005		KW
SA	1751	CLR	8			176	68	56	28	08		005		KW
SA	1855	CLR	8			183	63	55	29	08		007	/ 307	KW
SA	1947	CLR	8			186	62	56	28	07		009		KW
SA	2052	CLR	8			193	61	55	29	06		010		KW
SA	2154	CLR	8			193	60	55	29	05		010	/ 110 74	KW
SA	2253	CLR	7			193	60	55	27	04		010	/LAST	KW

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII IIiii (R'ɛhVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-62) WHICH MAY BE USED.

☆U.S.GPO-1983-0-884-005/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 12 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)	
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36		38	39	40	HR.
00																									00-01
01																									01-02
02																									02-03
03																									03-04
04	53	29950				10														10					04-05
05	47	29.970				10														10					05-06
06	47	29.980				10	10	ST	M11											10	1	.055			06-07
07	50	29.990				10														10					07-08
08	47	30.000				10														10					08-09
09	49	30.005				9	9	SC	M17											9	1	.025			09-10
10	50	30.010				1														0					10-11
11	50	30.015				0														0					11-12
12	50	30.020				0	0	SC	18											0	1	.015			12-13
13	49	30.015				0														0					13-14
14	49	30.010				0														0					14-15
15	50	30.010				0														0	6	.010			15-16
16	53	30.010				0														0					16-17
17	51	30.010				0														0					17-18
18	55	30.030				0														0	3	.020			18-19
19	47	30.040				0														0					19-20
20	52	30.060				0														0					20-21
21	54	30.060				0														0	1	.030			21-22
22	53	30.060				0														0					22-23
23																									23-24

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.							SOIL TEMP.			
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56		57	58	
	ADD TO 2400	X	0	0	X	61	58	X	X							X			
	0450	1	0	0	0	61	58												
	0947	2	0	0	0	69	59												
	1548	3	0	0	0	74	66												
	2152	4	0	0	0	71	60												
	2300	X	0	0	0	60	60	X	X							X			

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)		0948	1549	2153
ATT. THERM. 60				
OBSERVE. CORR. 61				
TOTAL CORR. 62				
STA. PRESS. 63		30.005	30.010	30.060
BAROGRAPH 64		30.005	30.005	30.055
BAR. CORR. 65		0	+.005	+.010

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Knots)	PEAK WIND: DIRECTION	PEAK WIND: TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.): TOP	FROZEN GROUND LAYER (Ins.): BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: SUNRISE TO SUNSET HIGHEST CLOUD HEIGHT	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
74	58	0	0	0	17	S	1156					4			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	86	87	88
F	UNKN	0730			
H	UNKN	1335			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

PATTERN OBSERVED (RELATIVE WIND SPEED) ____ U.P.H. OR PATTERN RATE ____ U.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0506 P ±0 Sec. / 1000 P ±0 Sec. / 1600 P ±0 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ○U.S.GPO 1983-0-784-008/6089

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 13 1987

TO CONVERT LST TO GMT: ADD 8 hrs SUBTRACT ____ hrs

TYPE (1)	TIME (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles: SURFACE (4a)	VISIBILITY Miles: TOWER (4b)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. Mbs. (6)	TEMP °F (7)	DEW PT °F (8)	WIND: DIRECTION 00=36 (9)	WIND: SPEED Kts. (10)	WIND: CHARACTER (11)	ALTIMETER SETTING (Ins.) (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER'S INITIALS (13b)
SP	0055	E1C OVC	3		FH	196	61	57	28	06		008	/ 54	AMS
SA	0549	M11 OVC	3		FH	190	61	57	26	06		009		AMS
SA	0647	M12 OVC	3		FH	190	62	57	26	06		009	/10 7 16 //	AMS
SP	0751	M 12 OVC	5		FH	196	63	57	27	07		011		AMS
SA	0847	M12 OVC	5		H	196	63	57	35	05		011		AMS
SP	0950	M15 OVC	5		H	193	67	57	33	03		010	/003 15// 54	AMS
L	1029	E15 BKN	6		H				02	04		009		AMS
SP	1040	15 SCT 250 OVC	7			~~190~~			20	05		009		AMS
SA	1052	250 OVC	7			190	73	57	24	05		009	/ FEW SC	AMS
SA	1150	250 OVC	10			190	76	56	18	10		009		AMS
SA	1246	250 BKN	13			183	71	57	~~16~~ 23	~~12~~ 10		007	/RIC 1008	AMS
SP	1333	300 SCT	12						28	09		007	/ WND 24V33 WSHFT 31	BKW
SA	1355	300 SCT	12			180	76	57	28	07		006	/ WND 23V31	BKW
SA	1451	300 SCT	12			176	73	56	29	12		005	/ FEW SC AC SW-W	BKW
SA	1550	200 SCT 300 SCT	12			173	71	56	29	10		004	/ FEW SC CONT SW	BKW
													/ 710 1531 77	
SA	1649	180 SCT	10			169	68	56	28	10		003	/ VSBY LWR W-NW	BKW
SA	1753	180 SCT	8			169	65	56	27	09		003		BKW
SA	1855	180 SCT 300 SCT	8			169	62	56	29	10		003	/ ST BANK W-NW * CONT	BKW
													/ 603 1632	
SA	1948	180 SCT 300 SCT	8			169	61	56	28	08		003		BKW
SA	2054	12 SCT 180 SCT	7			173	60	55	27	08		004		BKW
SA	2151	180 SCT 300 SCT	7			176	60	55	28	07		005	/ FEW ST / 307 1631 77	BKW
SP	2226	E12 BKN 180 OVC	6		H				30	08		005	/ CIG RGD	BKW
SA	2255	M12 OVC	6		H	176	60	55	28	06		005	/ CIG RGD LAST	BKW

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRRt_R 7wwW_1W_2 $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

*U.S.GPO:1983-0-684-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 13 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

CLOUDS AND OBSCURING PHENOMENA

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL O. PAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)	HR.
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
00																									00
01																									01
02																									02
03																									03
04 55	30.040				10															10					04
05 49	30.050				10															10					05
06 47	30.050				10	10	ST	M12												10	1	.020			06
07 51	30.070				10															10					07
08 47	30.065				10															10					08
09 50	30.060				10	10	SC	M15												10	0	.010			09
10 52	30.050				10															5					10
11 58	30.045				10															4					11
12 46	30.030				9	9	CS	250												3	8	.030			12
13 55	30.020				3															1					13
14 51	30.010				1															1					14
15 50	30.000				1	0	SC	12	1	AC	200	1	0	CI	300	1				1	7	.030			15
16 49	29.990				1															1					16
17 53	29.990				2															2					17
18 55	29.990				3	0	ST	10	2	AC	180	2	1	CI	300	3				3	6	.010			18
19 48	29.990				3															3					19
20 54	30.000				3															3					20
21 51	30.010				4	0	ST	12	3	AC	180	3	1	CI	300	4				3	3	.020			21
22 55	30.010				10															10					22
23																									23
																									24

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.) 2300	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.		
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58
	0451	X	C	0	X	61	59	X	X						X		
	0457	1	C	0	C	61	59										
	0947	2	C	0	C	67	61										
	1548	3	C	0	C	77	67										
	2149	4	C	0	C	71	59										
	2300	X	C	0	C	60	59	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59	0478	1549	2150
ATT. THERM. 60			
CORRG. GRAD. 61			
TOTAL CORR. 62			
STA. PRESS. 63	30.040	30.000	30.010
BAROGRAPH 64	30.050	30.000	30.000
BAR. CORR. 65	+.010	0	+.010

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNOFFICIAL TO (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Knots)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) GAGE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
77	59	0	0	0	17	W	1623					7			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	86	87
F	UNKN	0830			
H	UNKN	1035			
H	2215	CONT			

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST 1-MIN. ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0546P ± 0Sec./1600P ± 0Sec./2200P ± 0Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆U.S.GPO 1983-0-784-008/6088

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 14 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mbs.)	TEMP °F	DEW PT °F	WIND DIRECTION (00-36)	WIND SPEED (Kts.)	WIND CHARACTER	ALTIMETER SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER INITIALS
SA	0457	M12 CLR	7			166	61	55	24	03		002	159	RMS
SA	0546	M12 CLR	8			169	61	55	27	06		003	TWR S 029	RMS
SA	0650	M14 CLR	13			173	61	55	27	06		004	1305 1511	RMS
SP	0739	M16 CLR	12						27	06		005		RMS
SA	0752	M19 CLR	12			176	62	53	26	06		005		RMS
SA	0849	M22 CLR	12			173	64	53	25	04		004		RMS
SP	0913	M23 CLR	12						19	08		004	1TWR 030	RMS
SA	0951	M23 CLR	12			173	64	53	21	08		004	1FEW SML BLW CLR	RMS
													1000 1511 59	—
SA	1049	M25 BKN	12			173	67	53	22	09		004		RMS
SP	1059	25 SCT	12						18	10		004	1SCT CEILY BKN	RMS
SA	1152	CLR	13			169	69	53	17	09		003		RMS
SA	1240	CLR	15			163	69	53	19	10		001	1810	RMS
SA	1353	CLR	15			159	71	54	18	13		000	/FEW SC DSNT SW-NW	RKW
SP	1407	CLR	15						28	07		000	/WSHFT 03 FEW SC	RKW
													DSNT SW-NW WND CA	
													V33	
SA	1451	CLR	15			156	73	53	26	10		999	/FEW SC DSNT S-W	RKW
													WND 21V28	
SA	1550	CLR	15			156	70	54	27	08		999	/FEW SC DSNT S AND	RKW
													W/ 6CT 1500 74	
SA	1647	CLR	20			152	68	52	25	08		998	/FEW SC DSNT S	RKW
SA	1752	CLR	20			152	66	53	26	09		998		RKW
SA	1854	CLR	20			156	64	52	27	10		999	/FEW ST SW/ 500 16SC	RKW
SA	1955	CLR	20			156	62	54	27	08		999	/FEW ST	RKW
SA	2048	CLR	20			159	62	53	25	05		000		RKW
SA	2150	12 SCT	20			163	61	56	29	07		001	/ 307 16SC 74	RKW
SA	2251	12 SCT	15			166	61	55	25	07		002	/LAST	RKW

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii (R$_i$$_x$hVV Nddff 1s$_n$TTT 2s$_nT_dT_dT_d$ 3P$_o$P$_o$P$_o$P$_o$ 4PPPP 5appp 6RRRt$_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

• U.S. GPO: 1983-0-684-008/8010

MF1-108 (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 14 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMID. (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Min.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								
01																								
02																								
03																								
04	57	29.980				10														10				
05	57	29.990				10														10				
06	56	30.000				10	10	SC	M14											10	3	.015		
07	57	30.010				10														10				
08	49	30.000				10														10				
09	51	30.000				10	10	SC	M23											10	0	.000		
10	48	30.010				7														7				
11	52	29.990				6														6				
12	46	29.970				0														0	8	.030		
13	53	29.960				0														0				
14	51	29.950				0														0				
15	50	29.950				0	0	SC	13											0	6	.020		
16	47	29.940				0														0				
17	52	29.940				0														0				
18	54	29.950				0	0	ST	13											0	5	.000		
19	55	29.950				0														0				
20	48	29.960				0														0				
21	50	29.970				3	3	ST	12											3	3	.020		
22	51	29.980				2														2				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.		
41	2308	41	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58
	0952	X	0	0	X	61	60	X	X						X		
	0454	1	0	0	0	61	54										
	0447	2	0	0	0	65	60										
	1548	3	0	0	0	74	64										
	2148	4	0	0	0	70	61										
	2302	X	0	0	0	61	61	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)				
59		0452	1548	2148
ATT. THERM. 60				
OBSERVD. BAR. 61				
TOTAL CORR. 62				
STA. PRESS. 63		30.00	29.950	29.970
BAROGRAPH 64		30.00	29.940	29.960
BAR. CORR. 65		0	+.010	+.010

SUMMARY OF DAY [redacted] TO [redacted] (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Knots)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: SUNSET TO MIDNIGHT	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
74	60	0	0	0	18	W	1425					4			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88
H	CONT	UNKN			

16. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE (MIN.)	PERCENT OF POSSIBLE SUNSHINE	CHARACTER OF SUNRISE	CHARACTER OF SUNSET
FASTEST OBSERVED 1-MINUTE WIND SPEED & D.D.	OR FASTEST MILE & D.D.	ASSOCIATED DIRECTION	TIME

TIME CHECK - CLOCK AT: 0500P ± 0 Sec. / 0930P ± 0 Sec. / 1600P ± 1 Sec.

SP=

RS=

MF1-108 (10-83) SUPERSEDES MF1-108 (1-82) WHICH MAY BE USED. ☆U.S.GPO 1983-0-764-008/6089

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 15 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mbs.)	TEMP (°F)	DEW PT (°F)	WIND DIRECTION (10s deg.)	WIND SPEED (Kts.)	WIND CHARACTER	ALTIMETER SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
	2	3	4a	4b	5	6	7	8	9	10	11	12	13	14
SA	0049	CLR	15			166	57	52	00	00		002	/MTN PKS VSBY NE 56	AD
SA	0548	CLR	14			169	60	55	36	03		003	/FEW SC W	AD
SA	0648	CLR	14			173	63	55	00	00		004	/FEW SC / 305 1500	AD
SA	0749	15 SCT	14			173	67	54	26	05		004		AD
SA	0849	CLR	14			169	70	53	28	05		003	/FEW SC E	AD
SA	0949	CLR	15			169	73	53	28	04		003	/ FEW CU SW / 802 1100 56	AD
SA	1050	CLR	20			169	74	52	25	09		003	/VSBY LWR NE-SE FEW CU SW	AD
SA	1149	CLR	30			166	75	51	27	10		002	/VSBY LWR NE-E	AD
SA	1248	CLR	30			159	76	53	27	09		000	/VSBY LWR NE-E / 810	AD
SA	1349	CLR	30			159	76	53	28	11		000		MC
SA	1449	CLR	30			159	74	54	26	13		000	/SC W-NW	MC
SA	1550	CLR	30			156	71	55	27	13		999	/SC SW-W HAZE N / 802	RES
													1500 76	—
SA	1649	CLR	30			152	70	56	27	13		998	SC SW-W HAZE N	TMS
SA	1753	CLR	30			152	68	55	29	10		998	SC SW-W HAZE N	TMS
SA	1850	CLR	30			152	65	54	26	11		998	/ 603	RES
SA	1952	CLR	35			149	64	54	26	09		997		TMS
SA	2053	CLR	35			152	63	52	26	09		998		MB
SA	2150	CLR	30			152	63	52	24	09		998	/500 76	MB
SA	2246	CLR	30			152	62	55	20	05		998	/ LAST	MB

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: II. iR_ixhVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP Seppp 6RRRt_R 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

☆U.S.GPO:1983-0-684-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 15 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
00																								
01																								
02																								
03																								
04	49	29.980				0																		
05	48	29.990				0														0				
06	48	29.995				0	0	SC	12											0	3	.015		
07	49	30.000				1														1				
08	49	29.990				0														0				
09	49	29.990				0	0	CU	25											0	6	.005		
10	50	29.990				0														0				
11	49	29.975				0														0				
12	48	29.960				0														0	8	.030		
13	49	29.960				0														0				
14	49	29.955				0														0				
15	50	29.950				0	0	SC	15											0	8	.010		
16	48	29.945				0														0				
17	53	29.945				0														0				
18	50	29.945				0														0				
19	50	29.930				0														0	6	.010		
20	53	29.940				0														0				
21	56	29.940				0														0	5	.000		
22	46	29.940				0														0				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF GRND.	SOIL TEMP.
	0000 TO 0447	X	0	0	X	61	56	X	X
	0447	1	0	0	0	61	56		
	0947	2	0	0	0	73	57		
	1547	3	0	0	0	76	71		
	2147	4	0	0	0	72	63		
	2300	X	0	0	0	63	62	X	X

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)	0948	1547	2146
ATT. THERM.			
OBSERVD. BAR.			
TOTAL CORR.			
STA. PRESS.	29.990	29.950	29.940
BAROGRAPH	29.990	29.950	29.940
BAR. CORR.	0	0	0

SUMMARY OF DAY (0000 TO 0447) (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNREL. TO (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Kts.)	PEAK WIND DIR. TENS	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)	
76	56	0	0	0	21	W	1515					0			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MIN. WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P @ 1 Sec./ 1000P @ 1 Sec./ 1530P @ 1 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ○ U.S GPO 1983-0-764-008/6088

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 16 1987

TO CONVERT LST TO GMT: ADD 8 hrs SUBTRACT ____ hrs

TYPE (1)	TIME (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles: SURFACE (4)	VISIBILITY Miles: TOWER (4a)	WEATHER AND OBSTRUCTIONS TO VISION (4)	SEA LEVEL PRESS. Mbs (5)	TEMP °F (7)	DEW PT °F (8)	WIND: DIRECTION 00-36 (9)	WIND: SPEED Kts (10)	WIND: CHARACTER (11)	ALTIMETER SETTING Ins (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER'S INITIALS (14)
SA	0449	7 SCT	15			149	58	56	01	03		997	/ 57	AD
SA	0550	CLR	12			152	60	56	03	04		998	/ ST SE-SW	AD
SA	0648	CLR	10			156	64	56	00	00		999	/FEW ST / 307 / 600	AD
SA	0751	CLR	10			156	69	56	30	03		999	/ FEW ST	AD
SA	0848	CLR	12			156	72	56	16	04		999		AD
SA	0950	CLR	14			156	71	57	16	08		999	/ 802 57	AD
SA	1051	CLR	15			152	71	56	18	08		998		AD
SA	1152	CLR	20			149	74	55	19	10		997	/ FEW ST DSNT W	AD
SA	1250	CLR	20			142	78	56	17	09		995	/ 814	AD
SA	1349	CLR	20			139	81	57	29	12		994	/ FEW SC DSNT W	RSW
L	1423	CLR	20				78	56	28	12		994	/ (ACFT MISHAP)	RSW
SA	1449	CLR	20			139	77	56	27	13		994	/ FEW SC DSNT W	RSW
SA	1550	CLR	25			134	73	56	26	14		994	1703 80	MMS
SA	1647	CLR	25			139	72	55	27	12		994		MMS
SA	1749	CLR	25			139	70	56	29	10		994		MMS
SA	1851	CLR	30			142	66	55	29	10		995	/ 303	MMS
SA	1949	CLR	30			146	64	55	30	04		996		MMS
SA	2049	CLR	30			146	63	55	30	08		996		MMS
SA	2150	CLR	25			146	62	54	29	09		996	/105 82	MMS
SA	2240	CLR	25			146	61	55	29	05		996	/ LAST	MMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

•U.S.GPO:1983-0-684-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 16 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3 HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								
01																								
02																								
03																								
04 49	29.930				1															1				
05 50	29.935				0															0				
06 48	29.950				0	0	ST	10												0	3	.020		
07 51	29.950				0															0				
08 48	29.950				0															0				
09 50	29.945				0															0	8	.005		
10 51	29.940				0															0				
11 52	29.925				0															0				
12 50	29.905				0															0	8	.040		
13 49	29.900				0															0				
14 49	29.900				0															0				
15 56	29.895				0															0	7	.010		
16 47	29.895				0															0				
17 48	29.900				0															0				
18 51	29.905				0															0	3	.010		
19 49	29.915				0															0				
20 48	29.920				0															0				
21 56	29.920				0															0	1	.015		
22 46	29.920				0															0				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.		
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58
	2300 TO 0447	X	0	0	X	64	57	X	X						X		
	0447	1	0	0	0	63	57										
	0748	2	0	0	0	73	58										
	1545	3	0	0	0	82	70										
	2145	4	0	0	0	74	62										
	2300	X	0	0	0	62	61	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59	0949	1546	2146
ATT. THERM. 60			
OBSERVED BAR. 61			
TOTAL CORR. 62			
LYA. PRESS. 63	29.945	29.825	29.920
WATCH READ 64	29.945	29.900	29.920
BAR. CORR. 65	0	-.005	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Est.)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO MIDNIGHT	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
82	57	0	0	0	17	W	1522					0			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
83	83	84	85	87	88

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) | PERCENT OF POSSIBLE SUNSHINE ____ | CHARACTER OF SUNRISE ____ | CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ (M.P.H.) OR FASTEST MILE ____ (M.P.H.) | ASSOCIATED DIRECTION ____ | TIME ____

TIME CHECK - CLOCK AT: 0500P @1 Sec./ 1536P @2 Sec./ 2136P @2 Sec.

AIRCRAFT MISHAP NOTIFIED BY TOWER AT 1420P J.D.

ITEM ALPHA: HELICOPTER N/DCAA

ITEM BRAVO RWY 30

ITEM CHARLIE 2 ON BOARD: TAIL BROKE OFF

U-LAST OF SEVERAL OCCURRANCES

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆U.S.GPO:1983-0-784-008/8088

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 17 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE (1)	TIME (LST) (2)	SKY AND CEILING (Hundreds of Feet) (3)	VISIBILITY (Miles) SURFACE (4a)	VISIBILITY (Miles) TOWER (4b)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. (Mb) (6)	TEMP (°F) (7)	DEW PT (°F) (8)	WIND DIRECTION (10's deg.) (9)	WIND SPEED (Kts.) (10)	WIND CHARACTER (11)	ALTIMETER SETTING (Ins.) (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER'S INITIALS (14)
SA	0453	CLR	6		FH	146	59	56	10	03		996	/FEW ST W 58	AD
SA	0550	CLR	6		FH	149	60	56	14	06		997	/ST PSNT NE-SE	AD
SA	0648	CLR	7			152	64	56	00	00		998	/ST NE-SW / 210 1605	AD
SA	0749	CLR	10			156	66	56	13	04		999	/ST SE-SW	AD
SA	0852	CLR	12			156	68	57	18	07		999	/ST SE-SW	AD
SA	0949	CLR	10			156	69	57	17	10		999	/1103 58	AD
SA	1049	CLR	5			159	68	57	18	09		000		AD
SA	1148	CLR	10			159	70	57	17	10		000		AD
SA	1248	CLR	12			159	70	56	19	09		000	/1103	AD
SA	1349	CLR	15			156	73	56	18	08		999		ML
SA	1449	CLR	15			149	76	56	16	09		997	/CI SE	ML
SA	1550	CLR	15			146	75	55	15	09		996	/FEW CI OSN- SE / 714 BKN 1001 76	BKN
SP	1600	CLR	15						29	07		995	/WSHFT 03 FEW CI OSN- SE WND 24V31	BKN
SA	1655	CLR	15			142	76	58	28	10		995		BKN
SA	1751	CLR	15			142	73	57	28	10		995		BKN
SA	1854	CLR	15			146	68	56	28	09		996	/ 500	BKN
SA	1947	CLR	15			149	65	57	29	06		997		BKN
SA	2049	CLR	15			156	64	55	34	05		999		BKN
SA	2152	CLR	15			159	63	55	31	04		000	/ 114 78	BKN
SA	2253	CLR	15			159	61	54	01	03		000	/LAST	BKN

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following colored Basic observation.

FM12-VII: IIiii $(R_1 s_g h V V$ Nddff $1 s_n TTT$ $2 s_n T_d T_d T_d$ $3 P_o P_o P_o P_o$ 4PPPP Sappp 6RRRt_R 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (11-82) WHICH MAY BE USED.

*U.S.GPO:1983-0-884-008/80010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 17 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ___ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUMMATION (Ins.)	PRECIPITATION (Ins.)	
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	HR.
00																									00
01																									01
02																									02
03																									03
04	53	29.920				0														0					04
05	50	29.930				0														0					05
06	45	29.940				0	0	ST	10											0	2	.030			06
07	49	29.950				0														0					07
08	52	29.950				0														0					08
09	49	29.950				0														0	1	.010			09
10	49	29.960				0														0					10
11	48	29.960				0														0					11
12	48	29.960				0														0	1	.010			12
13	49	29.950				0														0					13
14	49	29.930				0														0					14
15	50	29.920				0	0	CI	300											0	7	.040			15
16	55	29.910				0														0					16
17	51	29.910				0														0					17
18	54	29.920				0														0	5	.000			18
19	47	29.930				0														0					19
20	49	29.950				0														0					20
21	52	29.960				0														0	1	.040			21
22	53	29.960				0														0					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.		
42	43	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58
	2350	X	0	0	X	62	58	X	X						X		
	0450	1	0	0	0	62	58										
	0947	2	0	0	0	69	59										
	1548	3	0	0	0	76	67										
	2150	4	0	0	0	78	63										
	2300	X	0	0	0	63	61	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)	0948	1549	2151
ATT. THERM.			
OBSERVD. BAR.			
TOTAL CORR.			
SYA. PRESS.	29.950	29.920	29.960
BAROGRAPH	29.950	29.920	29.960
BAR. CORR.	0	0	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Knots)	PEAK WIND: DIRECTION	PEAK WIND: TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.): TOP	FROZEN GROUND LAYER (Ins.): BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
78	58	0	0	0	15	S	1000					0			

15. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. ON ____ FASTEST 1-MI. ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0600P @1 Sec./1000P @1 Sec./1600P @2 Sec.
1800P +2 Sec.

SP=

RS=

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88
F	UNKN	0630			
H	UNKN	0630			

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ○ U.S. GPO 1983-0-764-008/8089

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 18 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE (1)	TIME (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles: SURFACE (4a)	VISIBILITY Miles: TOWER (4b)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. Mbs. (6)	TEMP °F (7)	DEW PT °F (8)	WIND: DIRECTION (00-36) (9)	WIND: SPEED Kts. (10)	WIND: CHARACTER (11)	ALTIMETER SETTING (inches) (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER'S INITIALS (14)
SA	0455	M11 OVC	5		H	166	62	56	12	07		002	/ 59	AD
SA	0548	M11 OVC	6		H	169	61	56	17	05		003		AD
SA	0649	M12 OVC	6		H	180	62	56	14	05		006	/TOPS 018 319 16//	AD
SP	0734	14 SCT	5		H				17	03		005		AD
SA	0752	17 - SCT	7			176	K4	55	14	09		005		AD
SA	0852	17 - SCT	7			176	67	56	15	06		005		AD
SA	0950	CLR	7			176	69	56	16	04		005	/602 59	AD
SA	1051	CLR	10			176	70	55	18	08		005		AD
SA	1153	CLR	15			176	69	55	17	08		005		AD
SA	1248	CLR	15			176	71	54	17	09		005	/ 400	AD
SA	1349	CLR	15			176	72	57	18	11		005		MJ
SA	1449	CLR	15			169	70	57	19	11		003		MW
SA	1550	CLR	15			166	72	56	14	10		002	/ 710 72	RKW
SA	1649	CLR	15			159	73	55	18	09		000		RKW
SP	1656	CLR	15						27	08		000	/WSHFT 0053 WNC 22N3	RKW
SA	1751	CLR	12			159	71	57	27	11		000		RKW
SA	1855	CLR	14			159	66	56	28	10		000	/FEW CI DSNT S/ 62 1002	RKW
SA	1949	CLR	12			163	64	55	28	09		001		RKW
SA	2053	CLR	12			166	63	55	29	07		002		RKW
SA	2150	CLR	12			166	63	55	00	00		002	/ 107 75	RKW
SA	2253	CLR	12			166	62	55	03	04		002	/LAST	RKW

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRRt_R 7wwW_1W_2 8$N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (11-62) WHICH MAY BE USED.

☆U.S.GPO:1983-0-684-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 18 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)	HR.
00																									00
01																									01
02																									02
03																									03
04 55	29.975				10															10					04
05 48	29.980				10															10					05
06 49	30.015				10	10	ST	M12												10	3	.055			06
07 52	30.005				1															C					07
08 52	30.010				1															0					08
09 50	30.010				0															0	6	.005			09
10 51	30.010				0															0					10
11 53	30.010				0															0					11
12 48	30.010				0															0	4	.000			12
13 49	30.005				0															C					13
14 49	29.990				0															C					14
15 50	29.980				0															0	7	.030			15
16 49	29.960				0															0					16
17 51	29.960				0															0					17
18 55	29.960				0	0	CI	300												0	6	.020			18
19 49	29.970				0															0					19
20 53	29.980				0															0					20
21 50	29.980				0															0	1	.020			21
22 55	29.980				0															0					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.		
	0453	X	0	0	X	62	59	X	X						X		
	0453	1	0	0	0	63	59										
	0947	1	0	0	0	69	61										
	1548	3	0	0	0	72	68										
	2148	6	0	0	0	75	62										
	2300	X	0	0	0	63	62	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)	0945	1549	2149
ATT. THERM.			
CORRVD. BAR.			
TOTAL CORR.			
EVAL. PRESS.	30.010	29.980	29.980
BAROGRAPH	30.010	29.980	29.980
BAR. CORR.	0	0	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Etd.)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	GAGE EQUIV. (Ins.)	
75	59	0	0	0	16	5	1435					2			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
H	UNKN	0740			

REMARKS, NOTES AND EXCEPTIONAL PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P @1 Sec. / 1000P @2 Sec. / 1600P @2 Sec.

/2200P +1 Sec

H083 - OTS - FOR MAINTENANCE 0915 — 0930P

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆ U.S. GPO 1983-0-784-008/8088

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 19 1987 87 | TO CONVERT LST TO GMT ADD 8 hrs SUBTRACT ____ hrs.

TYPE (1)	TIME (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles: SURFACE (4)	VISIBILITY Miles: TOWER (4a)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. Mbs (6)	TEMP °F (7)	DEW PT °F (8)	WIND: DIRECTION (Tens of Degrees) (9)	WIND: SPEED Knots (10)	WIND: CHARACTER (11)	ALTIMETER SETTING Inches (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER'S INITIALS (13a)
SA	0455	M12 OVC	10			149	62	57	16	06		997	/ 54	RMS
SA	0548	M14 OVC	10			148	62	55	19	05		999	/ BINOVC w/d	RMS
SP	0602	M15 OVC	10						19	05		999	/ TOPS 014	RMS
SA	0649	M16 OVC	10			154	63	56	13	06		000	/ 305 1511	RMS
SP	0706	M16 OVC	10						15	05		000	/ TOPS 022	RMS
SA	0746	M16 OVC	10			163	65	56	19	03		001		RMS
SA	0848	M16 BKN 250 BKN	10			159	67	56	16	06		000		RMS
SP	0858	20 SCT E250 BKN	10						18	03		000	/ SCT V BKN	RMS
SA	0954	~50 SCT	10			156	70	58	17	07		999	/ 803 1002 59	RMS
SA	1050	250-BKN	12			152	70	56	19	10		998		RMS
SA	1147	250-OVC	13			150	70	56	21	04		999		RMS
SA	1250	250-OVC	14			152	71	56	19	09		998	/ 703 1007	ML
SA	1349	E250 BKN	14			149	72	56	17	10		997		ML
SA	1449	250-SCT	14			142	72	56	17	11		995		ML
SA	1550	250 SCT	14			139	73	56	19	10		994	/ FEW ST DSNT SW / 7149 1602 73	ML
SP	1602	250 SCT	14						34	03		993	/ WSHFT 20 FEW ST DSNT SW	BKW
SA	1652	CLR	12			132	74	57	27	08		992	/ FEW ST DSNT SW CI NE-SE	BKW
SA	1753	CLR	12			132	68	57	28	10		992	/ VSBY LWR W-NW	BKW
SA	1855	300 SCT	12			132	65	56	30	08		992	/ 607 1001	BKW
SA	1948	300 -BKN	12			132	64	56	28	08		992		BKW
SA	2049	300 -BKN	12			135	63	55	29	06		993		BKW
SA	2150	300 -SCT	10			135	63	54	28	06		993	/ 103 1001 75	BKW
SA	2252	CLR	10			135	62	54	27	04		993	/ FEW ST SW LAST	BKW

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

*U.S.GPO:1983-0-684-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 19 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUB-MAXIMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUB-MAXIMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE CHANGE (Ins.)	NET 3-HR. PRESSURE CHANGE (Ins.)	SUNSHINE (Tenths)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								00
01																								01
02																								02
03																								03
04	55	29930				10														10				04
05	48	29950				10														9				05
06	49	29960				10	10	SC	MK											10	3	.015		06
07	46	29965				10														10				07
08	48	29960				8														7				08
09	55	29950				4	4	CI	250											3	8	.010		09
10	50	29940				9														4				10
11	47	29950				10														5				11
12	50	29940				10	10	CS	250											5	7	.010		12
13	49	29930				9														5				13
14	49	29910				5														3				14
15	50	29900				3	0	ST	12	3	CI	250	3							2	7	.040		15
16	52	29880				0														0				16
17	53	29880				0														0				17
18	55	29880				2	2	CI	300											2	6	.020		18
19	48	29880				7														3				19
20	49	29890				7														3				20
21	50	29890				4	4	CI	300											2	1	.010		21
22	52	29890				0														0				22
23																								23

SYNOPTIC OBSERVATIONS

TIME (GMT)	TIME (LST)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF GRND.	SUNL. TEMP.
41	42	43	44	45	46	47	48	49	50
	2300 TO 0425	X	0	C	X	62	59	X	X
	0455	1	C	C	0	63	58		
	0951	2	0	0	0	70	62		
	1548	3	0	0	0	73	69		
	2148	4	0	0	0	75	62		
	2300 TO [illegible]	X	0	0	0	63	62	X	X

STATION PRESSURE COMPUTATIONS

	TIME (L.S.T.) 39			
ATT. THERM. 60	0951	1548	2148
OBSVD. BAR. 61			
TOTAL CORR. 62			
STA. PRESS. 63	29.950	29.930	29.890
BAROGRAPH 64	29.960	29.935	29.885
BAR. CORR. 65	-.010	-.005	+.005

SUMMARY OF DAY [illegible] TO [illegible] (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNOFFICIAL TO (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Knots)	PEAK WIND: DIRECTION	PEAK WIND: TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.): TOP	FROZEN GROUND LAYER (Ins.): BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
75	59	0	0	0	17	SW	1146					7			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED AND DIRECTION M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0500P ± 6 Sec. / 0934P ± 6 Sec. / 1600P ± 1 Sec.

SP=

RS=

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
92	93	94	95	97	98

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. o U.S GPO 1983-0-784-008/6089

MF1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 20 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mbs)	TEMP °F	DEW PT °F	WIND DIRECTION (00=36)	WIND SPEED (Kts)	WIND CHARACTER	ALTIMETER SETTING (Ins)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
SA	0452	M19 OVC	10			135	63	55	00	00		993	/ 61	AD
SA	0547	M21 OVC	10			132	63	54	13	04		992		AD
SA	0652	M20 OVC	10			135	64	55	14	04		993	/TOPS 029 / 305 151	AD
SA	0747	M22 OVC	10			139	65	54	07	07		994	/TOPS 030	AD
SA	0849	M22 OVC	10			142	65	56	16	08		995		AD
SA	0949	18 SCT M 23 OVC	12			146	67	56	19	05		996	/210 151/61	AD
SA	1048	17 SCT M 23 OVC	12			146	66	56	16	10		996	/SUN DMLY USB	AD
SA	1151	E 25 OVC	12			142	69	55	16	10		995	/TMN 5671 ROVC	AD
SA	1249	E 27 BKN	12			142	70	55	18	10		995	/ 605 1500	AD
SP	1317	27 SCT	13						17	10		994		
SA	1357	27 SCT	14			135	70	55	18	09		993		
SA	1454	CLR	15			132	70	56	20	09		992		
SA	1552	CLR	15			125	69	55	17	09		990	/ 615 70	
SA	1652	17 SCT	15			125	70	55	19	09		990		
SA	1753	15 SCT	10			125	67	57	30	09		990		
SA	1850	CLR	12			125	65	56	30	08		990	/FEW SC / 4CC 15CC	
SA	1952	CLR	12			125	63	56	29	07		990		
SA	2046	CLR	12			132	63	56	30	04		992		
SA	2154	CLR	12			132	63	56	14	05		992	/ 105 7T	
SA	2246	25 C-SCT	12			129	62	57	17	05		991	/ LAST	

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP Sappp 6RRRt_R 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED

*U.S.GPO:1983-0-384-005/6010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 20 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

CLOUDS AND OBSCURING PHENOMENA

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUBSTATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUBSTATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Min.)	PRECIPITATION (Ins.)	
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	MO.
00																									00
01																									01
02																									02
03																									03
04	52 29.890				10															10					04
05	47 29.880				10															10					05
06	52 29.890				10	10	SC	M20												10	3	.015			06
07	47 29.900				10															10					07
08	49 29.910				10															10					08
09	49 29.920				10	1	SC	18	10	SC	M23	10								10	2	.030			09
10	48 29.920				10															10					10
11	57 29.910				10															10					11
12	49 29.905				9	9	SC	E27												7	6	.015			12
13	57 29.885				1															1					13
14	54 29.875				0															0					14
15	52 29.860				0															0	6	.045			15
16	52 29.860				1															1					16
17	57 29.860				1															1					17
18	50 29.860				0	0	SC	15												0	4	.000			18
19	52 29.860				0															0					19
20	46 29.875				0															0					20
21	54 29.875				0															0	1	.015			21
22	46 29.870				1															0					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (GMT)	TIME (LST)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.		
41	2357 TO 0450	X	0	0	X	63	61	X	X						X		
	0450	1	0	0	0	63	61										
	0947	2	0	0	0	67	63										
	1545	3	0	0	0	70	66										
	2145	4	0	0	0	70	63										
	2356	X	0	0	0	63	62	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)	0948	1546	2146
ATT. THERM.			
OBSERVED BAR.			
TOTAL CORR.			
STA. PRESS.	29.920	29.860	29.875
BAROGRAPH	29.920	29.870	29.870
BAR. CORR.	0	+.010	+.005

SUMMARY OF DAY (GMT) TO (GMT) (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Kts.)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
70	61	0	0	0	16	5	1312					6			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
92	93	94	95	97	98

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) | PERCENT OF POSSIBLE SUNSHINE ____ | CHARACTER OF SUNRISE ____ | CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. | ASSOCIATED DIRECTION ____ | TIME ____

TIME CHECK - CLOCK AT: 0500 ① 1 Sec. / 1000P ② 1 Sec. / 1534P ③ 1 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆U.S.GPO 1983-0-784-008/8099

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 21 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mbs.)	TEMP (°F)	DEW PT (°F)	WIND DIRECTION (00-36)	WIND SPEED (Kts.)	WIND CHARACTER	ALTIMETER SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER INITIALS
1	2	3	4	4a	5	6	7	8	9	10	11	12	13	14
SA	0452	M 13 OVC	7			115	63	56	00	00		987	/ 62	AD
SP	0529	M 16 OVC	7						00	00		988		AD
SA	0549	15 SCT M 20 OVC	7			119	64	56	00	00		988	/FEW THN SPOTS 10VC	AD
SA	0652	16 SCT M 20 OVC	8			125	65	57	17	06		990	/TOPS 029 /305 15//	AD
SA	0753	18 SCT M 23 OVC	8			129	66	57	19	06		991		AD
SA	0850	16 SCT M 23 OVC	8			129	67	57	18	06		991	/FEW THN SPOTS 10VC	AD
SA	0950	17 SCT E 23 OVC	10			129	68	57	18	08		991	/B.NOVC / 105 15// 62	AD
SA	1049	18 SCT M 21 OVC	10			129	70	57	18	07		991	/B.NOVC	AD
SA	1149	E 23 BRN 28 OVC	11			132	70	57	20	10		992	/SUN VSB	AD
SA	1249	E 27 BRN 32 OVC	10			129	71	57	19	11		991	/SUN VSB / 000 15//	AD
SP	1259	27 SCT 32 - OVC	10						20	07		991		AD
SA	1357	CLR	14			122	72	56	20	10		989		RMS
SA	1446	CLR	13			119	71	56	17	10		988		RMS
SA	1553	CLR	14			115	71	57	17	10		987	/ 614 72	RMS
SM	1650	CLR	12			115	71	56	22	08		987		RMS
SA	1751	CLR	15			115	69	57	19	09		987		RMS
SA	1850	250 - SCT	20			115	66	56	15	08		987	/500 1001	RMS
SA	1949	~~M~~ CLR	15			115	67	57	16	07		987	/FEW CI	RMS
SA	2055	CLR	15			119	64	58	16	06		988		RMS
SA	2150	CLR	15			119	63	59	17	06		989	1103 72	RMS
SA	2247	CLR	15			119	63	59	14	06		988	/LAST	RMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

☆U.S.GPO:1983-0-684-028/6010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 21 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Min.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								
01																								
02																								
03																								
04	50	29.830			10															10				
05	49	29.840			10															10				
06	50	29.855			10	3	SC	16	10	SC	M20	10								10	3	.015		
07	53	29.870			10															10				
08	50	29.870			10															10				
09	50	29.870			10	3	SC	17	7	SC	E23	10								10	1	.015		
10	49	29.870			10															9				
11	49	29.850			10															7				
12	49	29.870			10	6	SC	E27	4	SC	32	10								9	0	.000		
13	57	29.850			0															0				
14	46	29.870			0															0				
15	53	29.830			0															0	6	.040		
16	50	29.825			0															0				
17	51	29.832			0															0				
18	50	29.830			1	1	CI	250												0	5	.000		
19	49	29.830			0															0				
20	55	29.840			0															0				
21	50	29.870			0															0	1	.000		
22	47	29.840			0															0				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.		
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58
	2300 TO 0447	X	0	0	X	63	62	X	X						X		
	0447	1	0	0	0	63	62										
	0747	2	0	0	0	69	63										
	1549	3	0	0	0	72	68										
	2145	4	0	0	0	72	63										
	2300	X	0	0	0	63	63	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59	0948	1550	2146	
ATT. THERM. 60				
OBSERVD. BAR. 61				
TOTAL CORR. 62				
STA. PRESS. 63	29.82	29.83	29.84	
BAROGRAPH 64	29.87	29.840	29.84	
BAR. CORR. 65	0	-.01	0	

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNREL. TO (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Kts.)	PEAK WIND DIR. (Tens)	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
72	62	0	0	0	16	5	1450					6			

REMARKS (NOTA AND MISCELLANEOUS PHENOMENA)

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE (MIN.)	PERCENT OF POSSIBLE SUNSHINE	CHARACTER OF SUNRISE	CHARACTER OF SUNSET
FASTEST OBSERVED 1-MINUTE WIND SPEED AND DIR.	OR FASTEST MILE SPEED AND DIR.	RESULTANT WIND SPEED AND DIR.	TIME

TIME CHECK - CLOCK AT: 2300P ⊕ 1 Sec. / 1000P ⊕ 1 Sec. / 1530P ⊕ Sec.

SP=

RS=

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	86	87	88

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ★U.S.GPO 1983-0-784-008/8088

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 22 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (-Mbs.)	TEMP °F	DEW PT °F	WIND DIRECTION (100s-Tens)	WIND SPEED Kts.	WIND CHARACTER	ALTIMETER SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
1	2	(3)	(4)	4a	5	6	7	8	9	10	11	12	(13)	(13)
SA	0449	M11 OVC	6		H	112	63	57	14	05		986	/ 62	AD
SA	0548	M12 OVC	6		H	115	63	57	14	05		987	/ 70P5 022	AD
SA	0648	M12 OVC	6		H	119	64	57	14	05		988	/ 305 1511	AD
SA	0750	M13 OVC	6		H	122	65	58	00	00		989		AD
SP	0822	M15 OVC	5		H				00	00		989		AD
SA	0848	M16 OVC	5		HK	122	67	58	09	03		989		AD
SA	0949	M19 BKN	5		HK	122	69	58	16	08		989	/ 003 1500 62	AD
SP	1002	20 - SCT	5		HK				13	06		989		AD
SA	1049	CLR	5		HK	119	74	58	00	00		988		AD
SA	1149	CLR	5		HK	112	75	58	17	06		986		AD
SA	1249	CLR	6		HK	108	74	58	19	08		985	/ 814	AD
SA	1349	CLR	8			105	73	58	20	10		984		ML
SA	1449	CLR	8			102	74	58	18	09		983		ML
SA	1550	CLR	6		HK	102	78	59	29	05		983	/ 605 78	RW
SA	1651	CLR	6		HK	098	76	60	15	11		982		RW
SA	1753	CLR	8			098	72	60	16	09		982	/ WND 13V19	RW
SA	1855	CLR	8			102	68	61	15	10		983	/ 500	RW
SA	1951	CLR	8			108	66	61	17	10		985	/ FEW ST SE-S	RW
SA	2052	CLR	8			115	65	61	16	06		987	/ FEW ST SE-SW	RW
SA	2155	11 SCT	8			115	65	61	13	08		987	/ SCT V BKN WND 13V16	RW
													/ 114 1600 79	
SP	2210	M10 BKN	8						16	08		987	/ CIG RG-D	RW
SA	2253	M11 OVC	8			115	65	60	15	08		987	/ CIG RG-D SML BINOVC	RW
													OVHD LAST	

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iR_ihVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRRt_R 7wwW_1W_2 8$N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

☆U.S.GPO:1983-0-664-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 22 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)	
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	HR.
00																									00
01																									01
02																									02
03																									03
04	49	29.815				10														10					04
05	48	29.825				10														10					05
06	48	29.855				10	10	SC	M12											10	3	.015			06
07	50	29.850				10														10					07
08	48	29.850				10														10					08
09	49	29.845				8	8	SC	M19											8	0	.010			09
10	49	29.840				0														0					10
11	49	29.820				0														0					11
12	49	29.805				0														0	8	.040			12
13	49	29.800				0														0					13
14	49	29.790				0														0					14
15	50	29.790				0														0	6	.015			15
16	51	29.780				0														0					16
17	53	29.780				0														0					17
18	55	29.790				0														0	5	.000			18
19	51	29.810				0														0					19
20	52	29.830				0														0					20
21	55	29.830				5	5	ST	11											5	1	.043			21
22	53	29.830				10														10					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.		
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58
	ADD TO 0446	X	0	0	X	63	62	X	X						X		
	0446	1	0	0	0	63	62										
	0946	2	0	0	0	70	63										
	1548	3	0	0	0	78	69										
	2153	4	0	0	0	79	65										
	2300	X	0	0	0	65	65	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59	0948	1549	2154
ATT. THERM. 60			
OBSERVED BAR. 61			
TOTAL CORR. 62			
STA. PRESS. 63	29.845	29.790	29.830
SEA-LEVEL PRESS. 64	29.850	29.795	29.835
BAR. CORR. 65	-.005	-.005	-.005

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Elev.)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
79	62	0	0	0	16	S	1400					4			

WEATHER & OBSTRUCTIONS TO VISION

TYPE 92	BEGAN 93	ENDED 94	TYPE 95	BEGAN 97	ENDED 98
H	UNKN	1325			
K	0830	1725			
H	1530	1723			
K	1530	1723			

99. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT 0520 P @1 Sec./1200P @1 Sec./1600P @2 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. *U.S. GPO 1983-0-784-008/6089

MF 1-10A (5-83) — U.S. DEPARTMENT OF COMMERCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 23 1987

TO CONVERT LST TO GMT: ADD 8 hrs SUBTRACT ____ hrs

TYPE (1)	TIME (LST) (2)	SKY AND CEILING (Hundreds of Feet) (3)	VISIBILITY Miles: SURFACE (4a)	VISIBILITY Miles: TOWER (4b)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. Mbs. (6)	TEMP °F (7)	DEW PT °F (8)	WIND: DIRECTION (100's) (9)	WIND: SPEED Kts. (10)	WIND: CHARACTER (11)	ALTIMETER SETTING (Ins.) (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER'S INITIALS (14)
SA	0459	M10 OVC	4		FH	115	64	60	13	07		987	/64	RMS
SP	0528	M 9 OVC	4		FM				16	05		987	/ TOPS 019	RMS
SA	0551	M 9 OVC	5		FH	119	64	60	17	04		988		RMS
SP	0641	M10 OVC	6		FM				17	06		989		RMS
SA	0653	M10 OVC	6		FH	125	65	60	15	06		990	/310 1511	RMS
SP	0738	M9 OVC	6		FM				18	07		991		RMS
RS	0751	M10 OVC	7			129	65	60	14	07		991	/ CIG 044 V 9 HND FT	RMS
SP	0805	M11 OVC	7						17	07		991	/ TOPS 020	RMS
SA	0851	M 11 OVC	7			132	66	60	14	09		992		RMS
SA	0954	M 11 OVC	9			132	67	60	14	07		992	/ 107 1511 64	RMS
SA	1050	M12 OVC	8			132	68	60	14	08		992		RMS
SA	1146	E13 OVC	9			132	69	60	18	09		992	/ HND SPOTS 1 MI OVC	RMS
L	1200	M 12 BKN	8						17	09		992		RMS
SP	1237	12 SCT E250 BKN	10						17	10		991	/ SCT V BKN	RMS
SA	1246	12 SCT E250 BKN	12			129	70	60	18	09		991	/ 803 1501	RMS
SA	1349	15 SCT 250 - SCT	10			129	70	60	18	12		991		ML
SA	1449	15 SCT 250 - SCT	10			135	68	59	19	11		990		ML
SA	1550	15 SCT 250 SCT	8			125	67	59	17	12		990	/ CIG LWR SE-3/ 603	RKW
													1501 70	
SA	1652	12 SCT 250 SCT	8			125	66	59	18	10		990	/ CIG LWR SE-S	RKW
SA	1747	11 SCT E25C BKN	8			125	65	59	16	10		990	/ SCT V BKN CIG LWR	RKW
													SE-SW WND 16V21	
SP	1823	M10 BKN 250 BKN	8						17	07		991	/ CIG RGD BASES S 9HND	RKW
SA	1854	M10 OVC	7			132	65	59	16	07		992	/ CIG RGD SML BINOVC	RKW
													OVHD TOPS 016/ 307	
													1611	
SA	1949	M10 OVC	7			132	65	59	15	08		992	/ CIG RGD	RKW
SA	2051	M11 OVC	7			139	65	59	13	07		994	/ CIG LWR SE-S	RKW
SA	2153	M11 OVC	6		H	142	64	59	16	06		995	/ CIG RGD/ 110 1611 TR	RKW
SA	2255	M10 OVC	6		H	142	65	59	14	06		995	/ CIG RGD LAST	RKW

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_n$TTT $2s_n T_d T_d T_d$ $3P_o P_o P_o P_o$ 4PPPP 5appp 6RRRt_R 7ww$W_1 W_2$ $8N_h C_L C_M C_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

☆U.S.GPO 1983-0-684-008/6010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 23 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

SURFACE WEATHER OBSERVATIONS

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
00																								
01																								
02																								
03																								
04	56 29.830				10															10				
05	51 29.835				10															10				
06	53 29.860				10	10	SC	M10												10	3	.030		
07	51 29.870				10															10				
08	51 29.880				10															10				
09	54 29.880				10	10	SC	M11												10	1	.020		
10	50 29.880				10															10				
11	46 29.875				10															8				
12	46 29.870				7	5	SC	12	2	CI	E250	7								5	8	.010		
13	49 29.870				4															2				
14	49 29.860				3															1				
15	50 29.860				5	4	SC	15	1	CI	250	5								4	6	.010		
16	52 29.860				4															3				
17	47 29.860				8															6				
18	54 29.880				10	10	ST	M10												10	3	.020		
19	49 29.880				10															10				
20	51 29.900				10															10				
21	53 29.910				10	10	ST	M11												10	1	.030		
22	55 29.910				10															10				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.							SOIL TEMP.			STATION PRESSURE COMPUTATIONS: TIME (L.S.T.)			
	2332																			2346	1749	2152
	0000 TO 0457	X	0	0	X	66	64	X	X							X			ATT. THERM.			
	0457	1	0	0	0	66	64												OBSVD. BAR.			
	0947	2	0	0	0	67	64												TOTAL CORR.			
	1548	3	0	0	0	70	66												STA. PRESS.	29.880	29.860	29.910
	2151	4	0	0	0	68	64												BAROGRAPH	29.875	29.870	29.900
	2332	X	0	0	0	65	64	X	X							X			BAR. CORR.	+.005	-.010	+.010

SUMMARY OF DAY [illegible] TO [illegible] (2300 P TO 2300 P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Kts.)	PEAK WIND: DIRECTION	PEAK WIND: TIME (L.S.T.)	THICK. MEAS. OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.): TOP	FROZEN GROUND LAYER (Ins.): BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)		
70	64	0	0	0	15	S	1507 ‡					8				

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED WIND AND SPEED (M.P.H.) | OR FASTEST MILE (M.P.H.) | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0500P ✓ Sec. / 0930P ✓ Sec. / 1650P ✓2 Sec.

‡ LAST OF SEVERAL OCCURRENCES

SP=

RS=

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
F	UNKN	0745			
H	UNKN	0745			
H	2130	CONT			

MF1-10B (10-83) SUPERSEDES MF1-10B (1-62) WHICH MAY BE USED. *U.S.GPO 1983-0-764-008/8088

MF 1-10A (5-831)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 24 1987

TO CONVERT LST TO GMT: ADD 8 HRS SUBTRACT ____ HRS.

TYPE (1)	TIME (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles: SURFACE (4)	VISIBILITY Miles: TOWER (4a)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. Mbs. (6)	TEMP °F (7)	DEW PT °F (8)	WIND DIRECTION (00-36) (9)	WIND SPEED Kts. (10)	WIND CHARACTER (11)	ALTIMETER SETTING Ins. (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER'S INITIALS (14)
SD	0453	M9 OVC	5		H	139	63	59	14	04		994	/ 163	RMS
SD	0544	M10 OVC	4		H	142	64	59	09	04		995	/CIG-ESTLY 9MNS FT	RMS
SD	0649	M11 OVC	4		H	149	65	54	09	05		997	/ 310 16//	RMS
SP	0735	M11 OVC	5		H				21	08		998	/TOPS 022	RMS
SD	0749	M11 OVC	5		H	156	65	60	22	08		999		RMS
SD	0851	M12 OVC	6		H	156	66	60	22	08		999		RMS
SD	0948	M12 OVC	6		H	156	67	59	22	08		999	/ 107 151/ 63	RMS
L	1015	M12 BKN	6		H				14	08		999		MLB
SP	1031	12 SCT	8						10	08		999		RMS
SD	1047	12 SCT	9			156	70	59	08	05		999	/TOPS 017	RMS
SD	1146	CLR	12			156	71	60	17	09		999	/ SC DONT S	RMS
SD	1246	CLR	12			179	73	60	23	07		997	/ 807	RMS
SD	1350	CLR	7			146	72	60	21	11		996		ML
SD	1449	CLR	7			142	72	61	22	10		995		ML
SA	1550	CLR	6		HK	135	73	61	18	09		993	/ 714 74	RKW
SA	1653	CLR	6		HK	135	71	61	19	08		993		RKW
SA	1754	CLR	6		HK	139	67	61	20	11		994	/ST BANK SE-S	RKW
SP	1831	8 SCT	6		HK				20	11		994	/ST GRDLY INCRG	RKW
SA	1848	8 SCT	6		FH	142	65	61	21	10		995	/VSBY LWR SE/ 307	RKW
													1600	
SP	1935	8 SCT M13 BKN	6		FH				22	08		995	/CIG RGD	RKW
SA	1951	8 SCT M13 OVC	6		FH	146	65	61	18	08		996	/CIG RGD SML RINGS C.HD	RKW
SA	2049	M12 OVC	6		FH	146	65	61	14	06		996	/CIG RGD	RKW
SA	2150	M11 OVC	5		FH	149	65	61	18	06		997	/TOPS 020/ 307 16//	RKW
													74	
SA	2255	M11 OVC	5		FH	149	65	61	20	05		997	/CIG RGD LAST	RKW

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iR$_i$$_x$hVV Nddff 1$s_n$TTT 2$s_nT_dT_dT_d$ 3P$_o$P$_o$P$_o$P$_o$ 4PPPP 5appp 6RRRt$_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

• U.S.GPO 1983-0-684-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 24 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Tenths)	PRECIPITATION (Ins.)	HR.
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
00																									00
01																									01
02																									02
03																									03
04	55	29.900				10														10					04
05	49	29.910				10														10					05
06	49	29.930				10	10	ST	MIL											10	3	.030			06
07	49	29.945				10														10					07
08	51	29.950				10														10					08
09	48	29.950				10	10	SC	M12											10	1	.020			09
10	47	29.950				3														2					10
11	46	29.945				0														0					11
12	46	29.930				0														0	8	.020			12
13	50	29.920				0														0					13
14	49	29.910				0														0					14
15	50	29.890				0														0	7	.040			15
16	53	29.890				0														0					16
17	54	29.900				0														0					17
18	48	29.910				3	3	ST	8											3	3	.020			18
19	51	29.920				10														10					19
20	49	29.720				10														10					20
21	50	29.930				10	10	ST	MIL											10	3	.020			21
22	55	29.930				10														10					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	49	STATE OF GRND.	51	52	53	54	55	SOIL TEMP.	57	58
	2300 TO 2153	X	0	0	X	65	63	X	X						X		
	2153	1	0	0	0	65	63										
	0945	2	0	0	0	67	63										
	1548	3	0	0	0	74	67										
	2148	4	0	0	0	73	65										
	2322	X	0	0	0	65	65	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)	0946	1548	2149
ATT. THERM. 60			
OBSERVED BAR. 61			
TOTAL CORR. 62			
STA. PRESS. 63	29.850	29.870	29.930
BAROGRAPH 64	29.945	29.900	29.925
BAR. CORR. 65	+.095	-.010	+.005

SUMMARY OF DAY (2300F TO 2300F)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Etc.)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER MIDNIGHT TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
74	63	0	0	0	18	S	1832					4			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	86	87	88
H	CONT	1025			
H	1528	CONT			
K	1528	1836			
F	1836	CONT			

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) DURATION OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0546 @ 2 Sec. / 0936 @ 2 Sec. / 1620 @ 2 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. *U.S.GPO 1983-0-784-008/8099

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 25 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mb)	TEMP (°F)	DEW PT (°F)	WIND DIRECTION (00=Calm)	WIND SPEED (Kts.)	WIND CHARACTER	ALTIMETER SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
1	2	3	4a	4b	5	6	7	8	9	10	11	12	13a	13b
SA	0457	M11000	5		1-H	1726	65	60	16	06		995	/ 165	RWS
SA	0550	M11000	6		FH	1466	65	60	11	07		996	/ T005 016	RWS
SA	0649	M11000	8			1466	65	60	16	06		996	/ 102 151	RWS
SA	0750	M12000	8			1446	67	60	16	06		997	/ BINOVC	RWS
SP	0804	12 SCT	8						23	05		997		RWS
SA	0847	CLR	9			149	71	60	17	06		997		RWS
SA	0948	CLR	13			149	71	60	17	09		997	/ 102 65	RWS
SA	1047	CLR	14			152	72	60	21	09		998		RWS
SP	1147	CLR	15			149	72	59	18	10		997		RWS
SA	1246	CLR	15			146	72	60	20	10		996	/ E02	RWS
SA	1349	CLR	12			142	73	60	17	13		995		RW
SA	1449	CLR	10			139	72	61	18	10		994		RW
SA	1550	CLR	8			135	72	61	18	10		993	/ ST BANK DSNT SE-S / 710	RW
													1600 73	
SA	1651	CLR	8			132	72	60	18	10		992	/ ST BANK DSNT SE-S	RW
SA	1752	CLR	8			132	71	61	17	08		992	/ FEW ST DSNT SE-S	RW
													VSBY LWR W-NW	
SA	1853	CLR	7			135	69	61	17	08		993	/ FEW Ci W-NW / 500	RW
													1001	
SP	1916	CLR	7						28	08		993	/ WSHFT 08 FEW Ci	RW
													W-NW WND 26V32	
SA	1949	CLR	8			139	67	60	27	07		994		RW
SA	2054	CLR	8			149	65	60	26	06		997		RW
SA	2150	CLR	6		H	152	64	59	27	06		998	/ 117 73	RW
SA	2255	CLR	5		FH	152	63	60	26	06		998	/ VSBY LWR W-NW LAST	RW

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2s0TdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

*U.S.GPO:1983-0-384-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 25 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (60 Min.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								MIN.
01																								01
02																								02
03																								03
04	57 29.910				10															10				04
05	50 29.920				10															10				05
06	46 29.920				10	10	SC	M11												10	1	.005		06
07	50 29.930				10															9				07
08	47 29.925				0															0				08
09	46 29.925				0															0	0	.005		09
10	47 29.940				0															0				10
11	47 29.930				0															0				11
12	46 29.920				0															0	8	.005		12
13	49 29.910				0															0				13
14	49 29.900				0															0				14
15	50 29.890				0	0	ST	10												0	7	.030		15
16	51 29.880				0															0				16
17	52 29.880				0															0				17
18	53 29.890				0	0	CI	300												0	5	.000		18
19	49 29.900				0															0				19
20	54 29.930				0															0				20
21	50 29.940				0															0				21
22	55 29.940				0															0	1	.050		22
23																				0				23
																								24

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.			
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	
	2300 TO 0447	X	0	0	X	66	65	X	X						X			
	0447	1	0	0	0	66	65											
	0945	2	0	0	0	72	65											
	1548	3	0	0	0	73	70											
	2148	4	0	0	0	73	64											
	2300	X	0	0	0	64	63	X	X						X			

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59	0946	1549	2149
ATT. THERM. 60			
CORRN. SAL. 61			
TOTAL CORR. 62			
STA. PRESS. 63	29.925	29.890	29.940
BAROGRAPH 64	29.930	29.890	29.925
BAR. CORR. 65	-.005	0	-.015

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Kts.)	PEAK WIND: DIRECTION	PEAK WIND: TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.): TOP	FROZEN GROUND LAYER (Ins.): BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
73	63	0	0	0	16	S	1346					3			

WEATHER & OBSTRUCTIONS TO VISION

TYPE 82	BEGAN 83	ENDED 84	TYPE 85	BEGAN 87	ENDED 88
F	CONT	0630			
H	CONT	0630			
H	2130	CONT			
F	2215	CONT			

10. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED AND DIRECTION M.P.H. OR FASTEST MILE M.P.H. RESULTANT WIND SPEED AND DIRECTION TIME

TIME CHECK - CLOCK AT 0500P @2 Sec./ 0930P @2 Sec./ 1600P @2 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆U.S.GPO 1983-0-784-008/8089

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 26 1987

TO CONVERT LST TO GMT: ADD 8 HRS SUBTRACT ____ HRS

TYPE (1)	TIME (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles: SURFACE (4a)	VISIBILITY Miles: TOWER (4b)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. MSL (6)	TEMP °F (7)	DEW PT °F (8)	WIND: DIRECTION 00-36 (9)	WIND: SPEED Kts. (10)	WIND: CHARACTER (11)	ALTIMETER SETTING (Hgs) (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER'S INITIALS (14)
SA	0457	M 9 CLC	4		FH	146	63	60	26	07		996	/ 63	AMS
SA	0523	M 9 CLC	3		FH				29	06		996	TCUS CIB	AMS
SA	0551	M 9 CLC	3		FH	149	64	60	03	03		997		AMS
SA	0627	MIC CLC	2½		FH				36	03		998	/ TCUS CIC	AMS
SA	0649	MIC CLC	2½		FH	152	65	60	00	00		998	/ 302 1611	AMS
RS	0746	~~M 9~~ MI2 CLC	3		H	154	67	59	09	03		000	/ TNO SPECI NO CEILING	AMS
SP	0759	MI5 CLC	3		H				25	23		000	/ NMRS TNO SCTD LYRS CLC	AMS
SA	0853	MI5 BKN	3		H	159	69	59	23	07		000		AMS
SP	0909	15SCT	4		H				22	08		000		AMS
SA	0952	CLR	8			159	70	59	19	09		000	/ HAZY / 10 7 63	AMS
SP	1047	CLR	9			159	70	58	18	10		000		AMS
SA	1146	CLR	8			159	70	58	19	12		000	/ FEW CI	ML
SA	1250	CLR	8			156	71	58	21	09		999	/ 703	ML
SA	1349	CLR	15			156	78	58	27	07		999		ML
SA	1449	CLR	15			152	76	56	25	08		998		ML
SA	1551	CLR	15			152	75	56	28	06		998	/ FEW CI / 603 1001 78	AD
SA	1657	CLR	15			149	72	56	26	06		997	/ FEW CI	AD
SA	1748	CLR	15			149	71	56	26	07		997	/ FEW CI ST W HRZN	AD
SA	1849	CLR	15			152	68	56	26	08		998	/ FEW CI ST W HRZN / 500 1601	AD
SA	1948	CLR	12			159	65	57	28	07		000	/ ST W HRZN	AD
SA	2050	CLR	10			166	64	57	24	06		002		AD
SA	2151	CLR	10			169	63	57	27	05		003	/ 117 78	AD
SA	2249	CLR	10			169	62	57	28	05		003	/ LAST * ST SW-W	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ $4PPPP$ $5appp$ $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (11-82) WHICH MAY BE USED.

*U.S.GPO:1983-0-664-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 26 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Ins.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								
01																								
02																								
03																								
04	57	29.920				10														10				
05	51	29.925				10														10				
06	49	29.940				10	10	ST	MOD											10	3	.005		
07	46	29.960				10														10				
08	52	29.960				9														9				
09	52	29.960				0														0	1	.020		
10	47	29.955				0														0				
11	49	29.955				0														0				
12	50	29.950				0														0	7	.010		
13	49	29.945				0														0				
14	49	29.940				0														0				
15	51	29.940				0	0	CI	250											0	6	.010		
16	57	29.925				0														0				
17	45	29.930				0														0				
18	48	29.940				0	0	ST	10	0	CI	250	0							0	5	.000		
19	48	29.955				0														0				
20	50	29.980				0														0				
21	57	29.990				0														0	1	.050		
22	49	29.990				0														0				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.) 2300	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF GROUND	SOIL TEMP.
	0455	X	0	0	X	64	63	X	X	X
	0455	1	0	0	0	64	63			
	0947	2	0	0	0	71	63			
	1548	3	0	0	0	78	69			
	2147	4	0	0	0	75	63			
	2300	X	0	0	0	63	62	X	X	X

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)	0455	1548	2147
ATT. THERM.			
CORRN. BAR.			
TOTAL CORR.			
STA. PRESS.	29.960	29.940	29.940
BAROGRAPH	29.955	29.930	29.935
BAR. CORR.	+.010	+.010	0

SUMMARY OF DAY (GMT) (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Kts.)	PEAK WIND DIR.	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
78	62	0	0	0	16	5	1155					3			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88
F	CONT	0730			
H	CONT	0930			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MIN. WIND ____ (M.P.H.) OR FASTEST MI-E ____ (M.P.H.) ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0544P @2 Sec. / 0930A @2 Sec. / 1605P @2 Sec.

1/ LAST OF SEVERAL OCCURRENCES

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ★U.S.GPO 1983-0-784-008/8088

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 27 1987

TO CONVERT LST TO GMT: ADD 8 hrs SUBTRACT ____ hrs

TYPE (1)	TIME (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles: SURFACE (4)	VISIBILITY Miles: TOWER (4a)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. Mbs (6)	TEMP °F (7)	DEW PT °F (8)	WIND DIRECTION 00-36 (9)	WIND SPEED Kts. (10)	WIND CHARACTER (11)	ALTIMETER SETTING Ins. (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER INITIALS (14)
SA	0747	M10 OVC	5		FH	166	62	57	03	04		002	/CIG RGD/ 61	RJW
SA	0551	M13 OVC	5		FH	166	63	57	28	05		002	/VSBY LWR N-NE TOPS 018	RJW
SA	0653	M13 OVC	5		H	166	64	57	31	04		002	/SML BINOVC OVHD/ 4000 1611	RJW
SP	0723	M15 OVC	5		H				00	00		003	/CIG LWR SE-S	RJW
SA	0755	M16 OVC	5		H	169	66	57	00	00		003	/BINOVC TOPS 020	RJW
L	0846	M16 BKN	5		H				29	05		003	/FEW LWR SC	RJW
SP	0830	18 SCT 300 -BKN	5		HK				02	04		003		RJW
SA	0848	18 SCT 300 -BKN	6		HK	169	71	58	24	03		003		RJW
SA	0950	300 -SCT	6		HK	166	74	58	24	04		002	/ 000 1001 61	RJW
SA	1054	300 -SCT	7			166	72	58	22	13		002		RJW
SA	1152	300 -SCT	8			166	74	58	22	11		002		RJW
SA	1249	300 -SCT	14			163	77	58	25	12		001	/ 803 1001	RJW
SA	1349	300 -SCT	14			159	76	57	25	09		000		RJW
SA	1449	300 -BKN	14			156	77	57	28	09		999		RJW
SA	1552	300 - SCT	14			149	73	57	27	08		997	/ST W HRZN / 814 / 6017 5	AD
SA	1648	300 - SCT	14			146	72	57	25	08		996	/ST W HRZN	AD
SA	1748	300 - BKN	12			146	68	57	26	08		996	/ST W HRZN	AD
SA	1848	300 -SCT	14			149	65	57	26	09		997	/ST W-NW HRZN/ SC2 1601	AD
SA	1947	300 - SCT	10			149	63	57	29	07		997	/ST W-NW HRZN	AD
SA	2049	CLR	10			152	62	57	27	07		999	/ST W HRZN	AD
SA	2150	CLR	10			163	61	57	28	05		001	/ST SW-NW HRZN/ 315 1600 78	AD
SA	2248	10 SCT	8			159	61	57	27	06		000	/ LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Ndaff $1s_n$TTT $2s_n$TdTdTdTd $3P_oP_oP_oP_o$ 4PPPP Sappp 6RRRt_R 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

*U.S.GPO:1983-0-684-008/6010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 27 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Dur.)	PRECIPITATION (Ins.)
00																								
01																								
02																								
03																								
04	47	29.980			10																			
05	51	29.980			10															10				
06	53	29.980			10	10	ST	M13												10				
07	55	29.990			10															10	4	.000		
08	48	29.990			7															10				
09	50	29.980			4	4	CI	300												3				
10	54	29.980			4															2	0	.000		
11	52	29.980			5															2				
12	49	29.970			4	4	CI	300												2				
13	49	29.960			4															2	8	.010		
14	49	29.950			6															2				
15	52	29.930			3	0	ST	10	3	CI	300	3								1	8	.040		
16	48	29.920			3															1				
17	43	29.920			6															1				
18	48	29.925			2	0	ST	10	2	CI	300	2								1	5	.005		
19	47	29.930			1															0				
20	49	29.950			0															0				
21	50	29.970			0	0	ST	10												0	3	.045		
22	78	29.960			1															1				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.		
	2300																
	0444	X	0	0	X	63	61	X	X						X		
	0444	1	0	0	0	63	61										
	0948	2	0	0	0	75	62										
	1547	3	0	0	0	78	71										
	2147	4	0	0	0	73	61										
	2330	X	0	0	0	61	61	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)	2344	1549	2148
AFT. THERM.			
CORRECTION			
TOTAL CORR.			
STA. PRESS.	27.98	29.930	29.970
SEA LEVEL	30.189	29.940	29.770
BAR. CORR.	0	-.010	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Etc.)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO MIDNIGHT	WATER EQUIV. (Ins.)	
78	61	0	0	0	16	W	1240					6			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
F	CONT	0640			
H	CONT	1230			
K	1825	1930			

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ DIRECTION OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P @ 2 Sec. / 1000P @ 2 Sec. / 1608 @ 2 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED.

U.S. GPO 1983-0-784-008/8088

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 28 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mb)	TEMP (°F)	DEW PT (°F)	WIND DIRECTION (00-36)	WIND SPEED (Kts.)	WIND CHARACTER	ALTIMETER SETTING (Inches)	REMARKS AND SUPPLEMENTAL CODED DATA	
SA	0447	M10 OVC	4		FH	156	62	57	20	04		999	/CIG RGD/ 60	BKW
SA	0552	M10 OVC	5		FH	159	62	57	21	03		000	/CIG RGD TOPS 021	BKW
SA	0654	M11 OVC	5		FH	159	62	57	10	04		000	/CIG RGD/ 107 1611	BKW
SA	0752	M13 OVC	6		H	163	63	57	20	05		001	/CIG RGD FEW LWR SC	BKW
SA	0851	M14 OVC	8			166	64	56	18	05		002	/VSBY LWR NW-N TOPS 023	BKW
SP	0907	M15 OVC	8						21	07		002	/CIG LWR SE TOPS 024	BKW
SA	0950	M18 OVC	10			166	65	55	18	05		002	/107 1511 60	BKW
SA	1048	M19 BKN	12			163	68	56	16	07		001	/FEW LWR SC	BKW
SP	1109	19 SCT	14						23	07		001		BKW
SA	1154	CLR	14			159	71	56	20	08		000		BKW
SA	1251	CLR	15			156	71	55	17	10		999	/710	BKW
SA	1349	CLR	15			152	71	55	21	10		998		BKW
SA	1449	CLR	15			146	72	55	18	09		996		BKW
SA	1552	CLR	12			139	73	55	2008			994	/ST W HRZN/ 717/6007 3	AO
SA	1649	CLR	12			135	73	57	26	09		993	/FEW ST W HRZN	AO
SA	1747	CLR	12			135	69	56	2708			993	/FEW ST W HRZN	AO
SA	1849	CLR	10			139	66	56	2710			994	/ST SW-NW HRZN /SOC 16CC	AO
SA	1947	CLR	10			142	63	56	27	07		995	/ST W-NW HRZN	AO
SA	2050	CLR	7			149	63	57	26	06		997	/ST W-NW HRZN	AO
SA	2150	CLR	7			152	62	56	28	05		998	/ST SW-NW/ 212 1600 75	AO
SA	2249	12 SCT	7			149	62	56	26	06		997	/LAST	AO

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

☆U.S.GPO:1983-0-684-008/6010

MF1-108 (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 2 8 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. PRESS. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)	
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
00																									00
01																									01
02																									02
03																									03
04	47	29.950				10																			04
05	52	29.960				10														10					05
06	54	29.960				10	10	ST	M11											10					06
07	52	29.970				10														10	1	.020			07
08	51	29.980				10														10					08
09	50	29.980				10	10	SC	M18											10					09
10	48	29.970				9														10	1	.020			10
11	54	29.960				0														9					11
12	51	29.950				0														0					12
13	49	29.940				0														0	7	.030			13
14	49	29.920				0														0					14
15	52	29.900				0	0	ST	15											0					15
16	49	29.870				0														0	7	.050			16
17	47	29.870				C														0					17
18	49	29.900				0	0	ST	12											0					18
19	47	29.910				0														0	5	.000			19
20	50	29.925				0														0					20
21	50	29.935				0	0	ST	12											0					21
22	49	29.930				1														0	2	.035			22
23																				1					23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.			
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	
	2300 0444	X	0	0	X	62	60	X	X						X			
	0444	1	0	0	0	62	60											
	0948	2	0	0	0	65	61											
	1547	3	0	0	0	73	65											
	2147	4	0	0	0	75	62											
	2300	X	0	0	0	62	61	X	X						X			

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)	0149	1549	2149
ATT. THERM.			
OBSERVED BAR.			
TOTAL CORR.			
SYS. PRESS.	29.980	29.900	29.935
SUBTRACTION	29.970	29.760	29.935
BAR. CORR.	+.010	0	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNOFF. TO (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Kts.)	PEAK WIND DIR.	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
75	60	0	0	0	14	5	1429					5			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88
F	CONT	0730			
H	CONT	0840			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED AND DIRECTION ____ M.P.H. OR ____ K.N. FASTEST MILE ____ M.P.H. AGGREGATE DIRECTION TIME

TIME CHECK - CLOCK AT: 0500P @2 Sec./1000P @2 Sec./1600 @2 Sec.

11 LAST of SEVERAL OCCURRENCES

SP=

RS=

MF1-108 (10-83) SUPERSEDES MF1-108 (1-82) WHICH MAY BE USED. ☆U.S.GPO 1983-0-784-008/6088

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 29 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE (1)	TIME (LST) (2)	SKY AND CEILING (Hundreds of Feet) (3)	VISIBILITY (Miles) SURFACE (4)	VISIBILITY (Miles) TOWER (4a)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. Mbs. (6)	TEMP °F (7)	DEW PT °F (8)	WIND DIRECTION (100's) (9)	WIND SPEED Kts. (10)	WIND CHARACTER (11)	ALTIMETER SETTING (in.) (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER INITIALS (181)
SA	0456	M20 OVC	14			146	63	54	15	03		996	TOPS 028/61	AR
SA	0553	M20 OVC	14			146	63	53	25	04		996	/	AR
SA	0653	M23 OVC	14			146	65	53	06	05		996	/SML BNDRY 40	AR
													103 151	
SA	0748	M23 OVC	15			149	68	53	04	04		997	/BINOVC	AR
SP	0812	M23 BKN	15						06	05		997		AR
SP	0826	23 SCT	14						08	04		996		AR
SA	0847	25 SCT	15			146	70	53	03	05		996		AR
SA	0948	CLR	15			146	70	54	18	08		996	/SC SW HR ZIV 200	AR
													1500 61	
SA	1054	CLR	15			142	71	54	20	09		995		AR
SA	1147	CLR	15			139	71	54	21	11		994		AR
SA	1247	CLR	20			132	74	55	22	16		992	/814	AR
SW	1344	CLR	20			129	76	55	25	08		991	/ SC DSNT W	MC
SA	1444	CLR	15			125	76	54	25	09		990	/ SC DSNT W	MC
SA	1550	CLR	15			125	73	55	28	09		990	/SC DSNT W/ 607 1530	RW
													77	
SA	1654	CLR	15			125	70	56	27	07		990	/SC DSNT SW-NW	RW
SA	1751	CLR	15			125	68	56	27	07		990	/SC DSNT SW-W	RW
SA	1855	CLR	15			129	66	55	27	09		991	/ST DSNT SW-NW/ 303	RW
													1600	
SA	1947	CLR	15			129	64	55	27	07		991	/ST DSNT SW-NW	RW
SA	2052	CLR	12			135	63	56	26	06		993		RW
SA	2150	CLR	12			139	62	56	27	06		994	/ 210 77	RW
SA	2255	CLR	8			139	62	56	28	04		994	/FEW ST W LAST	RW

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_n$TTT $2s_n$TdTdTd $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRRt_R 7wwW_1W_2 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-63) WHICH MAY BE USED.

*U.S.GPO:1983-0-684-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 29 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET DIAL CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)	HR.
00																									00
01																									01
02																									02
03																									03
04 58	29.915				10															10					04
05 57	29.920				10															10					05
06 57	29.920				10	10	SC	M23												10	1	.010			06
07 48	29.930				10															9					07
08 47	29.920				4															3					08
09 48	29.920				0	0	SC	20												0	0	.000			09
10 46	29.910				0															0					10
11 47	29.900				0															0					11
12 47	29.920				0															0	E	.040			12
13 49	29.870				0															0					13
14 49	29.860				0															0					14
15 50	29.860				0	0	SC	13												0	6	.020			15
16 54	29.860				0															0					16
17 51	29.860				0															0					17
18 55	29.870				0	0	ST	13												0	3	.010			18
19 47	29.870				0															0					19
20 52	29.890				0															0					20
21 50	29.900				0															0	2	.030			21
22 55	29.900				0															0					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF GRND.	SOIL TEMP.	STATION PRESSURE COMPUTATIONS			
	2300 TO 0455	X	0	0	X	64	62	X	X	X	TIME (L.S.T.)	0947	1549	2149
	0455	1	0	0	0	64	61				ATT. THERM.			
	0946	2	0	0	0	71	63				OBSVD. BAR.			
	1548	3	0	0	0	77	69				TOTAL CORR.			
	2148	4	0	0	0	73	62				STA. PRESS.	29.920	29.860	29.900
	2300 TO 0455	X	0	0	0	62	61	X	X	X	BAROGRAPH	29.920	29.860	29.885
											BAR. CORR.	.005	0	+.015

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Kts.)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO MIDNIGHT	WATER EQUIV. (Ins.)	
77	61	0	0	0	18	SW	1227					3			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED

REMARKS AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED AND DIRECTION: SUNRISE ____ SUNSET ____ | OR FASTEST 1-MIN. SPEED ____ SUNRISE ____ SUNSET ____ | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0500P ± 0Sec. / 0947P ± 0Sec. / 1600P ± 0 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆ U.S.GPO:1983-0-784-008/8088

MF1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 30 1987

TO CONVERT LST TO GMT: ADD 8 hrs SUBTRACT ____ hrs

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mbs.)	TEMP °F	DEW PT °F	WIND DIRECTION (00-36)	WIND SPEED (Kts.)	WIND CHARACTER	ALTIMETER SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER INITIALS
1	2	3	4	4a	5	6	7	8	9	10	11	12	13	14
SA	0454	M 190VC	15		1C13.7	134	64	55	20	03		944	/61	RMS
SA	0551	16SCT M250VC	15			142	69	55	18	05		995		RMS
SA	0632	M25OVC	15						20	05		946	/TCU S 035	RMS
SA	0746	M25OVC	15			149	64	54	21	05		997	/30E 15//	RMS
SA	0754	M25OVC	15			152	64	54	21	06		996		RMS
SA	0856	M25OVC	15			152	66	54	00	00		998		RMS
SA	0949	M25OVC	15			152	68	58	18	06		998	/103 15// 61	RMS
SA	1049	M230VC	15			156	69	55	18	05		994		RMS
SA	1146	M23 OVC	15			152	71	55	19	08		998	/SML RWNW	RMS
L	1215	M25BRN	15						17	10		998		RMS
SP	1225	250SCT	15						23	12		997	/SCT L BRN	RMS
SA	1246	250SCT E150BRN	15			149	71	54	24	12		997	/803 1536	RMS
SA	1350	150 SCT	15			149	72	53	20	09		997	/FEW SC	AD
SA	1448	CLR	20			146	72	54	21	08		996	/FEW SC AC	AD
SA	1550	CLR	20			142	73	55	26	09		995	/FEW SC AC/ 70T 1530 74	RMS
SA	1651	CLR	20			139	72	55	26	08		994		RMS
SA	1748	CLR	20			142	69	55	27	08		995	/SC DSNT W	RMS
SA	1854	CLR	20			146	60	56	27	10		996	/SC DSNT W/ 303 1500	RMS
SA	1953	CLR	15			149	64	56	27	08		997		RMS
SA	2049	CLR	15			152	63	56	27	06		998		RMS
SA	2152	CLR	15			152	63	56	27	06		998	/ 107 74	RMS
SA	2255	CLR	15			152	62	56	26	06		998	/FEW SC DSNT W -ACT	RMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Ndddff $1s_n$TTT $2s_n T_d T_d T_d$ $3P_o P_o P_o P_o$ 4PPPP Sappp 6RRRt_R 7ww$W_1 W_2$ $8N_h C_L C_M C_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

*U.S.G.P.O: 1983-0-684-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUN 30 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Tenths)	PRECIPITATION (Ins.)
00																								
01																								
02																								
03																								
04	57	29.900				10																		
05	57	29.910				10															10			
06	56	29.930				10	10	SC	M20												10			
07	54	29.940				10															10	3	.025	
08	50	29.940				10															10			
09	49	29.940				10	10	SC	M25												10	1	.010	
10	48	29.945				10															10			
11	45	29.940				10															10			
12	46	29.930				6	5	SC	25	1	AC	E15K	6								5	8	.010	
13	50	29.925				2															2			
14	48	29.920				0															0			
15	50	29.910				0	0	SC	30	0	AC	150	0								0	7	.020	
16	51	29.900				0															0			
17	48	29.910				0															0			
18	54	29.920				0	0	SC	20												0	3	.010	
19	53	29.930				0															0			
20	49	29.940				0															0			
21	52	29.940				0															0	1	.020	
22	55	29.940				0															0			
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF GRND.	SOIL TEMP.
	0457	X	0	0	X	64	61	X	X
	0457	1	0	0	0	64	61		
	0945	2	0	0	0	68	63		
	1548	3	0	0	0	74	67		
	2150	4	0	0	0	73	63		
	2330	X	0	0	0	63	62	X	X

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)	0457	1548	2150
ATT. THERM.			
OBSVG. BAR.			
TOTAL CORR.			
SYL. PRESS.	29.944	29.910	29.940
BAROGRAPH	29.935	29.915	29.930
BAR. CORR.	Time	-.005	+.010

SUMMARY OF DAY (2300 P TO 2300 P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Etc.)	PEAK WIND: DIRECTION	PEAK WIND: TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.): TOP	FROZEN GROUND LAYER (Ins.): BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)	
74	61	0	0	0	17	SW	1424 J					6			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED

15. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED AND DIR. | M.P.H. | OR FASTEST MILE | M.P.H. | RESULTANT DIRECTION | TIME

TIME CHECK - CLOCK AT: 0500P ± 0 Sec. / 0936P ± 0 Sec. / 1600P ± 0 Sec.

J LAST OF SEVERAL OCCURRENCES

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-62) WHICH MAY BE USED. ○U.S.GPO 1983-0-764-008/6088

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 1 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles: SURFACE	VISIBILITY Miles: TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. Mbs	TEMP °F	DEW PT °F	WIND: DIRECTION 00-36	WIND: SPEED Knots	WIND: CHARACTER	ALTIMETER SETTING Inches	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
	2	3	4a	4b	5	6	7	8	9	10	11	12	13	15
SA	0756	250 SCT	14			156	60	57	07	03		994	/LC	MS
SA	0847	115 CT 250 SCT	13			159	62	57	02	03		000		MS
SA	0951	115 CT	12			166	65	57	06	03		002	/310 SCT	MS
SP	0715	M15 BKN	10						00	00		002		MS
SP	0730	M19 SCT	10						18	06		002		MS
SP	0734	M19 SCT	10						20	04		003	/TPC SCT	MS
SA	0744	M20 OVC	10			169	65	57	19	04		003		MS
SA	0847	M20 OVC	13			169	66	56	20	05		003		MS
SA	0950	M23 OVC	15			173	66	57	20	06		004	/208 SCT/ 6C	MS
SA	1048	M25 OVC	15			173	68	57	22	07		004		MS
SA	1157	E25 OVC	15			173	71	57	24	08		004		MS
SP	1217	E25 BKN	15						24	06		004		MS
SA	1248	E25 BKN	12			169	74	58	23	08		003	/803 150C	MS
SP	1307	255 CT	13						24	07		003		MS
SA	1346	CLR	15			166	73	57	18	09		002		MS
SP	1440	CLR	15			159	74	57	22	10		000		MS
SA	1550	CLR	15			152	74	58	22	06		998	/717 76	AD
SA	1649	CLR	15			149	72	57	26	07		997	/ST DSNT W	AD
SA	1748	CLR	15			149	69	57	27	07		997	/ST DSNT W-NW	AD
SA	1850	CLR	14			152	66	57	26	09		998	/ST DSNT SW-NW/ 500 1600	AD
SA	1947	CLR	10			152	64	58	26	07		998	/ST DSNT SW-NW	AD
SA	2050	CLR	10			159	63	58	27	05		000	/ST DSNT SW-NW	AD
SA	2150	CLR	10			159	63	58	26	06		000	/ST DSNT SW-NW/ 105 160076	AD
SA	2249	CLR	8			156	62	58	27	04		999	/ST DSNT W LAST	AS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iR$_i$x$_s$hVV Nddff 1s$_n$TTT 2s$_n$T$_d$T$_d$T$_d$ 3P$_o$P$_o$P$_o$P$_o$ 4PPPP 5appp 6RRRt$_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

*U.S.GPO:1983-0-684-008/6010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 1 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								
01																								
02																								
03																								
04	56	29.950				3														1				
05	47	29.940				7														4				
06	51	29.975				5	5	SC	11											5	3	.030		
07	49	29.940				10														10				
08	47	29.990				10														10				
09	50	30.000				10	10	SC	M23											10	2	.025		
10	48	30.000				10														10				
11	54	30.000				10														10				
12	48	29.990				7	7	SC	E25											7	8	.010		
13	46	29.975				0														0				
14	46	29.960				0														0				
15	50	29.940				0														0	7	.050		
16	49	29.930				0														0				
17	48	29.930				0														0				
18	50	29.940				0	0	ST	15											0	5	.000		
19	47	29.940				0														0				
20	50	29.955				0														0				
21	50	29.955				0	0	ST	15											0	1	.015		
22	49	29.950				0														0				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.		
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58
	2300																
	0456 TO 0745	X	0	0	X	63	60	X	X						X		
	0745	1	0	0	0	63	60										
	0945	2	0	0	0	67	60										
	1547	3	0	0	0	76	66										
	2147	4	0	0	0	74	63										
	2300	X	0	0	0	63	62	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59	0946	1548	2148
ATT. THERM. 60			
OBSERVE. READ. 61			
TOTAL CORR. 62			
STA. PRESS. 63	30.000	29.940	29.955
BAROGRAPH 64	29.995	29.940	29.955
BAR. CORR. 65	+.005	0	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Knots)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
76	60	0	0	0	16	SW	1454					5			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.)	PERCENT OF POSSIBLE SUNSHINE	CHARACTER OF SUNRISE	CHARACTER OF SUNSET
FASTEST OBSERVED 1-MINUTE WIND SPEED AND DIR.	M.P.H. OR FASTEST OBS. 1-MIN.	M.P.H.	ASSOCIATED DIRECTION	TIME

TIME CHECK - CLOCK AT: 0360P ± 0 Sec./ 1700P ± 0 Sec./ ± Sec.

1/ LAST OF SEVERAL OCCURRENCES

SP=

RS=

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	86	87	88

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆U.S.GPO 1983-0-784-008/6099

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 2 1987

TO CONVERT LST TO GMT: ADD 8 HRS SUBTRACT ____ HRS

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles)		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mb)	TEMP (°F)	DEW PT (°F)	WIND DIRECTION (10's of Degrees)	WIND SPEED (Knots)	WIND CHARACTER	ALTIMETER SETTING (In.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER INITIALS
	2	3	4a	4b	5	6	7	8	9	10	11	12	13	13a
SA	0457	M13 OVC	12			152	63	57	06	03		998	/61	RMS
SP	0523	M13 OVC	12						13	04		999	/TCFS 02C	RMS
SA	0550	M13 OVC	12			156	63	57	00	00		994		RMS
SA	0651	M12 OVC	12			156	67	57	01	04		999	/205 16//	RMS
SP	0721	M15 OVC	10						02	04		000		RMS
SA	0749	M15 OVC	10			154	65	57	11	07		000		RMS
SA	0853	M15 OVC	10			156	66	57	19	07		999		RMS
SA	0952	M18 OVC	10			154	67	57	14	07		000	/SML RAGGED /303 15// 61	RMS
	1005	M18BMN	10						22	08		000		RMS
SP	1028	18 SCT	10						23	07		999		RMS
SA	1052	18 SCT	10			156	64	57	22	09		999		RMS
SA	1149	CLR	14			156	70	58	18	08		999	/FEW SC	RMS
SA	1248	CLR	15			152	76	58	22	07		998	/707	RMS
SP	1344	CLR	15			149	71	58	21	07		997		RMS
SA	1450	CLR	15			142	72	57	19	08		995		RMS
SA	1551	CLR	15			135	73	58	18	07		993	/FEW ST DSNT W/ 717 1600 73	AD
SA	1648	CLR	15			132	74	57	24	09		992	/FEW ST DSNT W	AD
SA	1748	CLR	12			132	71	57	27	07		992		AD
SA	1848	CLR	10			132	66	58	26	10		992	/ST DSNT W-NW/ 5A3 1600	AD
SA	1948	CLR	10			135	64	58	27	07		993	/ST DSNT W-NW	AD
SA	2048	CLR	10			142	63	58	27	06		995	/ST DSNT W-NW	AD
SA	2150	11 SCT	10			142	62	57	28	05		995	/110 1600 76	AD
SP	2221	M12 BKN	10						29	03		995		AD
SA	2247	M12 OVC	8			142	62	58	30	03		995	/THN SPOTS 10VC LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRRt_R 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

☆U.S.GPO:1983-0-084-005/6010

MF1-10B
10-83

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 2 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

CLOUDS AND OBSCURING PHENOMENA

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	RELATIVE HUMIDITY (%)	TOTAL SKY COVER	LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3 HR. CHANGE (Ins.)	SUNSHINE (Tenths)	PRECIPITATION (Ins.)	
00																									00
01																									01
02																									02
03																									03
04	57	29.940				10														10					04
05	56	29.945				10														10					05
06	51	29.95				10	10	ST	M12											10	2	.015			06
07	49	29.960				10														10					07
08	53	29.950				10														10					08
09	52	29.960				10	6	SC	M18											9	3	.010			09
10	52	29.95				1														1					10
11	49	29.950				0														0					11
12	48	29.960				0														0	7	.020			12
13	49	29.925				0														0					13
14	50	29.905				0														0					14
15	57	29.890				0	0	ST	15											0	7	.050			15
16	48	29.875				0														0					16
17	48	29.875				0														0					17
18	48	29.880			.	0	0	ST	12											0	5	.010			18
19	49	29.890				0														0					19
20	48	29.910				0														0					20
21	50	29.910				1	1	ST	11											1	1	.030			21
22	47	27.910				10														10					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (GMT)	TIME (LST)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.			
	2300																	
	0355	X	0	0	X	63	61	X	X						X			
	0455	1	0	0	0	63	61											
	0946	2	0	0	0	67	63											
	1547	3	0	0	0	73	67											
	2148	4	0	0	0	76	62											
	2300	X	0	0	0	62	61	X	X						X			

STATION PRESSURE COMPUTATIONS

TIME (LST)	0947	1549	2149
ATT. THERM.			
OBSERVE. BAR.			
TOTAL CORR.			
STA. PRESS.	29.96C	29.87C	29.91C
SEA BROUGH	29.95C	29.87C	29.91C
BAR. CORR.	+.005	0	0

SUMMARY OF DAY (GMT) TO (GMT) (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNOFFICIAL (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Knots)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)	
76	61	0	0	0	15	SW	1418					4			

REMARKS, NOTES AND METEOROLOGICAL PHENOMENA

TIME. SUNRISE SUNSET

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MIN. WIND ____ MPH ____ OR FASTEST MILE ____ MPH ____ ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0561P ±0 Sec. / 0936P @1 Sec. / 1601P @1 Sec.

1/ LAST OF SEVERAL OCCURRENCES

SP=

RS=

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆U.S.GPO 1983-0-784-006/6099

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 3 1987

TO CONVERT LST TO GMT: ADD 8 hrs SUBTRACT ____ hrs

TYPE	TIME (LST)	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles: SURFACE	VISIBILITY Miles: TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. Mbs	TEMP °F	DEW PT °F	WIND: DIRECTION (00=calm)	WIND: SPEED Kts.	WIND: CHARACTER	ALTIMETER SETTING Ins.	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
1	2	3	4a	4b	4	6	7	8	9	10	11	12	13	13a
SA	0447	M11 OVC	5		FH	135	62	57	36	04		993	/CIG RGD/ 61	JKW
SA	0552	M11 OVC	5		FH	139	63	58	03	03		994	/CIG RGD TOPS 025	JKW
SA	0654	M12 OVC	5		H	142	63	57	03	04		995	/TOPS 023/ RAB 1611	JKW
SA	0753	M13 OVC	5		H	142	64	58	12	03		995	/CIG LWR SE TOPS 024	JKW
SA	0849	M14 OVC	5		H	142	65	58	18	05		995		JKW
SP	0915	M15 OVC	5		H				22	06		996	/FEW LWR SC	JKW
SA	0950	M17 OVC	5		H	146	66	58	12	06		996	/FEW LWR SC TOPS 022	JKW
													/03 1511 61	
L	1014	M18 BKN	5		H				21	04		996		JKW
SP	1028	18 SCT	5		H				25	06		996		JKW
SA	1055	18 -SCT	5		H	146	72	58	03	04		996		JKW
SA	1151	CLR	5		H	142	71	58	19	09		995		JKW
SA	1249	CLR	7			135	70	57	21	07		993	/ 810	JKW
SA	1349	CLR	12			132	71	57	21	10		992		JKW
SA	1448	CLR	14			122	74	57	22	08		989	/ST DSNT SE-S AND SW	JKW
SA	1550	CLR	6		H	119	75	58	27	07		988	/617 77	AD
SA	1648	CLR	10			115	71	57	26	06		987		AD
SA	1748	CLR	10			115	69	57	26	06		987		AD
SA	1849	CLR	15			119	67	57	26	09		988	/500	AD
SA	1949	CLR	15			122	66	54	26	06		989		AD
SA	2047	CLR	14			125	65	56	27	04		990		AD
SA	2149	CLR	12			125	63	57	13	05		990	/107 77	AD
SA	2248	CLR	10			125	63	58	12	03		990	/FEW SW LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iR$_I$x$_h$VV Nddff 1s$_n$TTT 2s$_n$T$_d$T$_d$T$_d$ 3P$_o$P$_o$P$_o$P$_o$ 4PPPP 5appp 6RRR$_t$R 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-63) WHICH MAY BE USED.

☆U.S.GPO:1983-0-684-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 3 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								00 01
01																								01 02
02																								02 03
03																								03 04
04	47	29.890			10															10				04 05
05	52	29.900			10															10				05 06
06	54	29.910			10	10	ST	M12												10	2	.030		06 07
07	53	29.910			10															10				07 08
08	49	29.910			10															10				08 09
09	50	29.920			10	0	SC	14	10	SC	M17	10								10	1	.010		09 10
10	55	29.920			3															1				10 11
11	51	29.910			0															0				11 12
12	49	29.890			0															0	8	.030		12 13
13	49	29.880			0															0				13 14
14	48	29.850			0															0				14 15
15	50	29.840			0															0	6	.050		15 16
16	48	29.830			0															0				16 17
17	48	29.825			0															0				17 18
18	49	29.840			0															0	5	.000		18 19
19	49	29.845			0															0				19 20
20	47	29.855			0															0				20 21
21	49	29.860			0															0	1	.020		21 22
22	48	29.860			0															0				22 23
23																								23 24

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.) 2300	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GROUND					SOIL TEMP.			STATION PRESSURE COMPUTATIONS			
41		43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58				
	0744	X	0	0	X	63	62	X	X						X			TIME (L.S.T.) 59	0949	1548	2148
	1444	1	0	0	0	63	61											ATT. THERM. 60			
	0948	2	0	0	0	66	62											OBSERVE. CORR. 61			
	1547	3	C	0	0	77	66											TOTAL CORR. 62			
	2147	4	0	0	0	75	63											STA. PRESS. 63	29.920	29.840	29.860
	2300	X	0	0	0	64	63	X	X						X			BAROGRAPH 64	29.920	29.840	29.860
																		CAR. CORR. 65	0	0	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNOFF. TO	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Esc.)	PEAK WIND DIR.	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
77	62	0	0	0	16	SW	1402					4			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED AND DIRECTION ____ M.P.H. OR FASTEST MILE ____ M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0500P @ 1 Sec. / 1000P @ 1 Sec. / 1600P @ 1 Sec.

SP=

RS=

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88
F	CONT	0640			
H	CONT	1240			
H	1530	1630			

MF1-10B (10-83) SUPERSEDES MF1-10B (1-62) WHICH MAY BE USED. ☆U.S.GPO:1983-0-784-008/6088

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)

SURFACE WEATHER OBSERVATIONS

DATE JUL 4 1987

TO CONVERT LST TO GMT ADD 8 hrs SUBTRACT ____ hrs

TYPE	TIME (LST)	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles: SURFACE	VISIBILITY Miles: TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. Mbs	TEMP °F	DEW PT °F	WIND: DIRECTION (00=36)	WIND: SPEED Kts.	WIND: CHARACTER	ALTIMETER SETTING (Inches)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
1	2	3)	4a)	4b	5	6	7	8	9	10	11	12	13)	14)
SA	0757	M15 OVC	8			124	62	58	08	04		991	/60	RMS
SA	0855	M15 OVC	14			132	63	57	08	05		992	/ TCAS 021	RMS
SA	0953	M15 OVC	14			139	64	57	07	04		994	13:4 15//	RMS
SA	0750	M15 OVC	15			142	65	57	12	07		995		RMS
SA	0950	M15 OVC	15			146	65	56	16	07		996	/ TCAS 031	RMS
SA	0951	M26 OVC	15			142	64	56	07	05		995	/SCT B MNTS OBSC 063	RMS
													15// 60	—
L	1015	M26 BKN	15						14	09		995		RMS
SP	1036	20 SCT	15						19	08		995	/SCT V BKN TCAS 031	RMS
SA	1051	20 SCT	15			142	70	57	19	07		995		RMS
SA	1148	CLR	15			135	72	57	24	06		993		RMS
SA	1246	CLR	15			129	72	57	23	05		991	/ 814	RMS
SA	1352	CLR	15			122	74	57	18	06		989		RKW
SA	1451	CLR	15			115	73	56	20	07		987		RKW
SA	1550	CLR	15			112	73	56	21	07		986	/ 617 74	RKW
SA	1653	CLR	15			112	75	58	26	07		986		RKW
SA	1751	CLR	14			108	72	58	26	07		985		RKW
SA	1855	CLR	12			112	68	58	26	10		986	/ST CONT W/ 500 1600	RKW
SA	1947	CLR	10			112	66	60	26	06		986		RKW
SA	2048	CLR	6		K	119	65	60	26	06		988		RKW
SA	2150	CLR	6		HK	125	64	59	28	04		990	/ 214 75	RKW
SA	2254	CLR	6		FH	125	64	59	00	00		990	/LAST	RKW

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

*U.S.GPO:1983-0-684-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 4 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								HR.
01																								00
02																								01
03																								02
04	57	29.910				10																		03
05	55	29.880				10														10				04
06	53	29.900				10														10				05
07	56	29.910				10	10	SC	M15											10	3	.070		06
08	56	29.920				10														10				07
09	57	29.910				10														10				08
10	57	29.910				10	10	SC	M20											10	0	.010		09
11	58	29.890				4														4				10
12	46	29.870				0														0				11
13	52	29.850				0														0	8	.040		12
14	51	29.830				0														0				13
15	50	29.820				0														0				14
16	53	29.820				0														0	6	.050		15
17	51	29.810				0														0				16
18	55	29.820				0	0	ST	12											0	5	.000		17
19	47	29.820				0														0				18
20	48	29.840				0														0				19
21	50	29.860				0														0	2	.040		20
22	54	29.860				0														0				21
23																								22
																								23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.		
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58
	2308 END TO 0456	X	0	0	X	63	60	X	X						X		
	0456	1	0	0	0	64	60										
	0949	2	0	0	0	69	62										
	1548	3	0	0	0	74	69										
	2148	4	0	0	0	75	64										
	2300 END	X	0	0	0	64	64	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)		0456	1548	2148
ATT. THERM.				
CORRIG. ELEV.				
TOTAL CORR.				
STA. PRESS.		29.910	29.820	29.860
BAROGRAPH		29.910	29.835	29.850
BAR. CORR.		0	-.015	+.010

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Etc.)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
75	60	0	0	0	15	SE	1011					4			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88
K	2015	2225			
H	2130	CONT			
F	2225	CONT			

REMARKS, NOTES AND NONSYNOPTIC DATA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0520P ✓ Sec. / 0430P ✓ Sec. / 1600P ✓ Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-62) WHICH MAY BE USED. ★U.S.GPO 1983-0-764-008/6088

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 5 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mb)	TEMP °F	DEW PT °F	WIND DIRECTION (00=Calm)	WIND SPEED (Knots)	WIND CHARACTER	ALTIMETER SETTING (In.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER INITIALS
	(1)	(2)	(3)		(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
SA	0457	M15 CLC	10			132	64	57	09	06		29.92	/63	RMS
SA	0553	M20 CLC	14			139	65	56	09	05		29.94	/BINOVC	RMS
1	0617	M20 BKN	15						12	04		29.94		RMS
SP	0640	M20 BKN	15						09	04		29.95	TCPS 025	RMS
SA	0650	M20 BKN	15			146	66	56	09	05		29.96	/ 315 1500	RMS
SA	0748	M20 BKN	15			149	69	55	09	07		29.97		RMS
SP	0810	20 SCT	15						10	05		29.97		RMS
SA	0850	20 SCT	15			146	69	56	20	08		29.96	/ SCT OCNLY BKN	RMS
SA	0949	20 SCT	15			146	71	57	21	08		29.96	/002 1500 63	RMS
SA	1047	20 SCT	15			149	71	57	23	06		29.97		RMS
SA	1150	CLR	15			146	73	57	23	06		29.96	/SC SW MAZN	RMS
SA	1247	CLR	15			139	72	58	23	06		29.94	/SC SW MAZN/BCF 1500	RMS
SA	1353	CLR	15			135	73	58	20	10		29.93	/SC DSNT W	RKW
SA	1451	CLR	15			129	74	59	20	07		29.91	/WND 12V23	RKW
SA	1550	CLR	15			122	74	58	21	08		29.89	/ST DSNT W/ 717 1600 75	RKW
SA	1649	CLR	15			119	74	59	26	08		29.88	/ST DSNT SE-S AND W	RKW
SA	1752	CLR	15			119	71	59	26	06		29.88	/ST DSNT SE AND SW	RKW
SA	1855	CLR	15			122	68	58	26	08		29.89	/ST DSNT S-W/ SCC 1600	RKW
SA	1947	CLR	12			122	66	60	26	06		29.89	/ST DSNT SW-W	RKW
SA	2054	CLR	10			129	64	60	26	06		29.91		RKW
SA	2150	CLR	10			132	64	59	00	00		29.92	/ 210 76	RKW
SA	2255	CLR	8			132	64	59	20	06		29.92	/FEW ST LAST	RKW

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iR ix hVV Nddff 1snTTT 2snTdTdTd 3PoPoPoPo 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

*U.S.GPO:1983-0-384-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 5 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)	
00																									00
01																									01
02																									02
03																									03
04	57	29.900			10																				04
05	53	29.895			10															10					05
06	50	29.915			9	9	SC	M20												9					06
07	50	29.930			7															9	3	.045			07
08	50	29.920			5															7					08
09	49	29.920			4	4	SC	20												5					09
10	47	29.925			2															4	0	.005			10
11	50	29.920			0															2					11
12	47	29.900			0	0	SC	25												0					12
13	53	29.890			0															0	8	.025			13
14	51	29.870			0															0					14
15	50	29.850			0	0	ST	15												0					15
16	49	29.840			0															0	7	.050			16
17	52	29.840			0															0					17
18	55	29.850			0	0	ST	13												0					18
19	47	29.850			0															0	5	.000			19
20	54	29.870			0															0					20
21	50	29.880			0															0					21
22	55	29.880			0															0	2	.030			22
23																				0					23

SYNOPTIC OBSERVATIONS

TIME (GMT)	TIME (LST) 2300 TO	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.			
	0755	X	C	C	X	65	63	X	X						X			
	0455	1	C	C	C	65	63											
	0945	2	0	0	0	71	64											
	1548	3	0	0	0	75	70											
	2148	4	0	0	0	76	64											
	2305	X	0	0	0	65	64	X	X						X			

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)		0946	1549	2149
ATT. THERM.				
OBSERVED BAR.				
TOTAL CORR.				
STA. PRESS.	29.920	29.850	29.880	
SEA LEVEL PRESS.	29.920	29.850	29.860	
BAR. CORR.		0	0	+.020

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Knots)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)	
76	63	0	0	0	16	SW	1231					3			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
F	CONT	UNKN			
H	CONT	UNKN			

REMARKS, NOTES AND RECORD OF PARTICULAR PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE ____ (MIN.) DURATION OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ MPH OR FASTEST MILE ____ MPH | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0500P @ 2 Sec. / 0946P @ 1 Sec. / 1600P @ 1 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆ U.S.GPO:1983-0-784-008/6088

MF1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

SURFACE WEATHER OBSERVATIONS

DATE: JUL 6 1987

TO CONVERT LST TO GMT: ADD 8 hrs SUBTRACT ____ hrs

TYPE (1)	TIME (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles: SURFACE (4)	VISIBILITY Miles: TOWER (4a)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. MB (6)	TEMP °F (7)	DEW PT °F (8)	WIND: DIRECTION 00-36 (9)	WIND: SPEED Kts. (10)	WIND: CHARACTER (11)	ALTIMETER SETTING Ins. (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER INITIALS (13)
SA	0445	M2C OVC	15			135	65	56	13	05		943	/E4	JMS
SP	0539	M1BC VC	12				~~64~~	59	21	05		944	/TCPS C34	RMS
SA	0551	16SCT M2COVC	12			142	67	59	20	05		995		RMS
RS	0654	M4BRN 15COVC	10			146	63	59	22	06		996	/31C 1511	RMS
SP	0725	6SCT-9SCT M1BOVC	8						15	05		997		RMS
SA	0744	6SCT M1BOVC	7		L-	149	62	59	18	04		997	/LB35	RMS
SA	0947	11SCT M2COVC	8			152	63	58	19	05		998	/LE30	RMS
/						~~152~~	~~64~~	~~58~~	~~22~~	~~07~~		~~998~~		
SP	0952	11SCT M1BCVC	8		L-	152	64	58	22	08		998	/LB35 /LE30 1511 62RMS	
SA	1077	15SCT E25OVC	12			152	68	58	18	05		998	/LE10	RMS
L	1131	15SCT E25BRN	12						23	06		997		RMS
SA	1145	15SCT E25BRN	12			149	71	58	24	06		997	/BRN U SCT	RMS
SP	1218	15SCT 25SCT	15						10	08		996		RMS
SA	1247	CLR	15			139	71	58	20	09		994	/FEW SC /E14CO 1520	RMS
SA	1349	CLR	15			135	72	58	21	09		993		ML
SA	1449	CLR	15			132	72	58	21	08		992		ML
SA	1549	CLR	15			125	71	57	22	08		990	/815 73	AD
SA	1648	CLR	15			119	73	57	24	06		988	/FEW SC DSNT W	AD
SA	1749	CLR	14			119	70	59	25	06		988	/FEW SC DSNT W	AD
SA	1848	CLR	12			119	68	59	26	07		988	/FEW SC DSNTW/SCS 1500	AD
SA	1949	CLR	10			125	66	59	26	05		990		AD
SA	2049	CLR	10			132	65	59	26	05		992		AD
SA	2149	CLR	8			132	64	59	26	04		992	/114 74	AD
SA	2249	CLR	7			132	63	59	00	00		992	/LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following colored Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_n$TTT $2s_n$TdTdTd $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRRt_R 7wwW_1W_2 8$N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

☆U.S.GPO:1983-0-684-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 6 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OBSCURING SKY COVER	PRESSURE TENDENCY	NET 3HR. CHANGE (Ins.)	SUMMATION (Ins.)	PRECIPITATION (Ins.)	HR.
00																									00
01																									01
02																									02
03																									03
04	29.890				10															10					04
05	29.910				10															10					05
06	29.920				10	7	SC	M9	3	SC	16	10								10	3	.020			06
07	29.930				10															10					07
08	29.940				10															10				T	08
09	29.940				10	2	SC	11	10	SC	M18	10								10				T	09
10	29.940				10															10	1	.020		T	10
11	29.925				6															10				T	11
12	29.900				0	0	SC	15												5					12
13	29.890				0															0	A	.070			13
14	29.875				0															0					14
15	29.860				0															0					15
16	29.840				0															0	8	.045			16
17	29.855				0															0					17
18	29.840				0	0	SC	15												0	5	.015			18
19	29.855				0															0					19
20	29.875				0															0					20
21	29.885				0															0	1	.040			21
22	29.880				0															0					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (GMT)	TIME (LST) 2300	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GROUND					SOIL TEMP.			
	TOD (1727)	X	C	0	X	66	64	X	X					X			
	0453	1	C	C	0	66	64										
	0946	2	T	0	0	65	62										
	1576	3	T	0	0	73	64										
	2147	4	0	0	0	74	64										
	2300	X	0	0	0	64	63	X	X					X			

STATION PRESSURE COMPUTATIONS

TIME (LST)	0947	1548	2148
ATT. THERM.			
CORRECTION			
TOTAL CORR.			
STA. PRESS.	24.96	29.955	29.850
BAROGRAPH	29.935	29.86	29.855
BAR. CORR.	+.005	−.005	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Mi.)	PEAK WIND: DIRECTION	PEAK WIND: TIME (LST)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER: TOP	FROZEN GROUND LAYER: BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)	
74	62	T	0	0	15	SW	1420					5			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
L-	0725	0930			
L-	0935	1610			

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (Mins.) | DURATION OF POSSIBLE SUNSHINE ____ | CHARACTER OF SUNRISE ____ | CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ MPH ____ | ON (DIRECTION) ____ | FASTEST MILE ____ MPH ____ | ON (DIRECTION) ____ | AVERAGE SPEED ____ MPH | AVERAGE DIRECTION ____ | TIME ____

TIME CHECK - CLOCK AT: 0540 P @ 1 Sec. / 1430 P @ 1 Sec. / 1630 P @ 1 Sec.

1/ LAST OF SEVERAL OCCURRENCES

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. *U.S.GPO 1983-0-784-008/8089

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 7 1987

TO CONVERT LST TO GMT: ADD 8 hrs SUBTRACT ___ hrs

TYPE	TIME (LST)	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS.	TEMP	DEW PT	WIND DIR. (10s of Deg.)	WIND SPEED	ALTIMETER SETTING	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER
SA	0447	M19 OVC	8		132	64	58	04	03	992	/ 62	JKW
SA	0553	M19 OVC	8		135	66	58	05	03	993		JKW
SA	0651	M19 OVC	8		139	67	58	12	05	994	/ TOFS 026 / 207 1511	JKW
SA	0754	M19 OVC	10		142	68	58	10	08	995	/ TOFS 026	JKW
SA	0852	17 SCT M19 OVC	10		139	67	59	15	08	994	/ TOFS 028	JKW
SA	0950	17 SCT M19 OVC	10		142	68	58	18	10	995	/ CIG RGD / 323 1511 62	JKW
SA	1048	17 SCT E22 BKN	12		142	70	59	19	07	995		JKW
SP	1125	17 SCT	14					22	08	995		JKW
SA	1151	17 SCT	15		139	71	58	22	08	994		JKW
SA	1249	CLR	15		139	71	58	20	10	994	/ FEW SC / 603 1500	JKW
SA	1349	CLR	15		132	72	58	20	10	992		MC
SA	1449	CLR	15		125	73	58	21	08	990		MC
SA	1551	CLR	14		119	71	59	20	06	988	/ 720 73	AD
SA	1648	CLR	14		115	70	59	21	06	987	/ FEW CI	AD
SA	1750	CLR	12		112	70	59	18	06	986	/ FEW CI STS	AD
SA	1850	300 - SCT	12		115	68	59	25	10	987	/ ST DSNT SE-S / 505 1601	AD
SA	1949	CLR	10		115	66	59	27	06	987	/ FEW CI	AD
SA	2048	CLR	10		119	65	59	27	05	988		AD
SA	2150	CLR	10		115	65	59	03	03	987	/ 002 73	AD
SA	2249	CLR	8		115	64	59	00	00	987	/ ST DSNT S-W LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_X$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRRt_R 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

• U.S. GPO: 1983-0-684-008/8010

MF1-10B
(10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 7 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ___ hrs.

CLOUDS AND OBSCURING PHENOMENA

TIME (L.S.T.) 16	STATION PRESSURE (Ins.) 17	DRY BULB (°F) 18	WET BULB (°F) 19	REL. HUMIDITY (%) 20	TOTAL SKY COVER 21	LOWEST LAYER AMT 22	LOWEST LAYER TYPE 23	LOWEST LAYER HEIGHT 24	SECOND LAYER AMT 25	SECOND LAYER TYPE 26	SECOND LAYER HEIGHT 27	SUMMATION TOTAL 28	THIRD LAYER AMT 29	THIRD LAYER TYPE 30	THIRD LAYER HEIGHT 31	SUMMATION TOTAL 32	FOURTH LAYER AMT 33	FOURTH LAYER TYPE 34	FOURTH LAYER HEIGHT 35	TOTAL OPAQUE SKY COVER 36	PRESSURE TENDENCY 37	NET 3 HR. CHANGE (Ins.) 38	SUNSHINE (Min.) 39	PRECIPITATION (Ins.) 40	HR.
00																									00-01
01																									01-02
02																									02-03
03																									03-04
04 47	29.880				10															10					04-05
05 53	29.890				10															10					05-06
06 51	29.900				10	10	SC	M19												10	2	.020			06-07
07 54	29.910				10															10					07-08
08 52	29.900				10															10					08-09
09 50	29.910				10	4	SC	17	6	SC	M19	10								10	3	.010			09-10
10 48	29.910				7															6					10-11
11 51	29.900				3															3					11-12
12 49	29.900				0	0	SC	17												0	6	.010			12-13
13 49	29.850				0															0					13-14
14 49	29.860				0															0					14-15
15 51	29.840				0															0	7	.060			15-16
16 48	29.825				0															0					16-17
17 50	29.820				0															0					17-18
18 50	29.825				10	0	ST	15	1	CI	300	1								0	5	.015			18-19
19 49	29.825				0															0					19-20
20 48	29.840				0															0					20-21
21 50	29.830				0															0	0	.005			21-22
22 49	29.830				0															0					22-23
23																									23-24

SYNOPTIC OBSERVATIONS

TIME (G.M.T.) 41	TIME (L.S.T.) 2300 42	NO. 43	PRECIP. (Ins.) 44	SNOW FALL (Ins.) 45	SNOW DEPTH (Ins.) 46	MAX. TEMP. (°F) 47	MIN. TEMP. (°F) 48	49	STATE OF GRND. 50	51	52	53	54	55	SOIL TEMP. 56	57	58
	TO 0444	X	0	0	X	64	62	X	X						X		
	0444	1	0	0	0	64	62										
	0948	2	0	0	0	68	64										
	1547	3	0	0	0	73	68										
	2148	4	0	0	0	71	64										
	2300	X	0	0	0	65	64	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59		0949	1549	2149
ATT. THERM. 60				
GRAVITY CORR. 61				
TOTAL CORR. 62				
STA. PRESS. 63		29.910	29.840	29.830
BAROGRAPH 64		29.910	29.840	29.840
BAR. CORR. 65		0	0	—.010

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT) (2300P TO 2300P)

24-HR. MAX. TEMP. (°F) 66	24-HR. MIN. TEMP. (°F) 67	24-HR. PRECIP. WATER EQUIV. (Ins.) 68	24-HR. SNOWFALL UNMELTED (Ins.) 69	SNOW DEPTH (Ins.) 70	PEAK WIND SPEED (Kts.) 71	PEAK WIND DIRECTION 72	PEAK WIND TIME (L.S.T.) 73	THICKNESS OF ICE ON WATER (Ins.) 74	FROZEN GROUND LAYER (Ins.) TOP 75	FROZEN GROUND LAYER (Ins.) BASE 76	RIVER GAGE 77	SKY COVER SUNRISE TO SUNSET 78	SKY COVER MIDNIGHT TO MIDNIGHT 79	WATER EQUIV. (Ins.) 80	81
73	62	0	0	0	16	S	1404					4			

WEATHER & OBSTRUCTIONS TO VISION

TYPE 82	BEGAN 83	ENDED 84	TYPE 85	BEGAN 87	ENDED 88

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0500P @ 2 Sec./1000P @ 2 Sec./1600P @ 2 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆U.S. GPO 1983-0-784-005/6089

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STAT ON: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 8 1987

TO CONVERT LST TO GMT: ADD 8 hrs SUBTRACT ____ hrs

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles)		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (MB)	TEMP (°F)	DEW PT (°F)	WIND DIR. (10's, 00=36)	WIND SPEED (Knots)	WIND GUSTS (Knots)	ALTIMETER SETTING (In.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER INITIALS
			(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(15)	(16)
SA	0447	M10 OVC	7			108	65	59	12	09		985	/CIG RGD/ 64	BRW
SA	0554	M13 OVC	7			112	65	59	15	06		986	/CIG RGD TOPS 027	BRW
SA	0641	M13 OVC	8			112	65	58	18	05		986	/CIG RGD/ 110 1611	BRW
SA	0753	M11 BKN 13 OVC	8			115	64	59	17	06		987	/CIG RGD TOPS 025	BRW
SA	0851	M12 BKN 14 OVC	8			115	65	59	16	05		987		BRW
SA	0950	M BKN 13 OVC	6		H	119	65	59	14	06		988	/CIG RGD TOPS 025	BRW
													307 1611 64	
SA	1052	M12 OVC	6		H	122	65	59	18	06		989	/CIG RGD	BRW
SA	1151	M13 OVC	8			119	66	59	19	06		988	/CIG RGD	BRW
SP	1216	M17 BKN 20 OVC	8						16	07		987	/FEW LWR SC	BRW
SA	1244	M15 BKN 19 BKN	8			115	68	59	15	07		987	/CIG LWR SE-SW/ 603	BRW
													1500	
SA	1346	15SCT M19OVC	8			112	68	59	20	09		986	/BNDVC SW	ML
SA	1449	M15BKN 19 ~~OVC~~ BKN	10			108	67	59	20	07		985	/ VSBY LWR S	ML
SP	1526	M12BKN 20 OVC	10						19	07		984		AD
SA	1552	M14 BKN 20 OVC	10			102	68	59	18	06		983	/BKN V SCT TNN SPOTS ICVC	AD
													/814 15// 69	
SP	1633	14SCT M17 OVC	10						17	05		983		AD
SA	1651	14SCT M17 OVC	10			102	67	58	18	04		983		AD
SA	1752	14SCT M17 OVC	14			098	67	58	18	05		982		AD
SA	1849	12SCT M17 OVC	15			098	66	59	15	04		982	/603 15//	AD
SA	1948	12SCT M17 BKN 220VC	12			102	66	59	16	04		983		AD
SA	2050	12 SCT 17 SCT M200VC	10			105	66	59	12	04		984	/TNN SPOTS ICVC	AD
SA	2151	12 SCT M15BKN 200VC	10			105	66	59	14	04		984	//07 15// 69	AD
SA	2249	15SCT M23 OVC	10			105	65	59	15	04		984	/BINOVC LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iRihVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

• U.S. GPO: 1983-0-664-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 8 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUBSTATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUBSTATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR CHANGE (Ins.)	SUNSHINE (MIN.)	PRECIPITATION (Ins.)
00																								
01																								
02																								
03																								
0447	29.810				10															10				
0554	29.820				10															10				
0649	29.820				10	10	ST	M13												10	1	.030		
0753	29.830				10															10				
0851	29.830				10															10				
0950	29.840				10	7	ST	M11	3	ST	13	10								10	3	.020		
1052	29.845				10															10				
1151	29.840				10															10				
1249	29.830				9	6	SC	M15	3	SC	19	9								7	6	.010		
1349	29.820				10															10				
1449	29.810				9															9				
1552	29.790				10	6	SC	M14	4	SC	20	10								10	8	.040		
1651	29.785				10															10				
1752	29.780				10															10				
1849	29.780				10	2	SC	12	10	SC	M17	10								10	6	.010		
1948	29.790				10															10				
2050	29.800				10															10				
2157	29.800				10	3	SC	12	6	SC	M15	9	1	SC	20	10				10	1	.020		
2249	29.790				10															10				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF GRND.	SOIL TEMP.
	2300 TO 0444	X	0	0	X	65	64	X	X
	0444	1	0	0	0	65	64		
	0948	2	0	0	0	65	64		
	1547	3	0	0	0	69	64		
	2146	4	0	0	0	68	65		
	2300	X	0	0	0	66	65	X	X

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)		0949	1550	2148
ATT. THERM.				
CORRECTION				
TOTAL CORR.				
SEA LEVEL PRESS.		29.840	29.780	29.800
BAROGRAPH		29.840	29.795	29.800
BAR. CORR.		0	-.005	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNOFF. TO (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Knots)	PEAK WIND DIR. (Tens)	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FASTEST GROUND LAYER (Ins.) TOP	FASTEST GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)	
69	64	0	0	0	13	5	1127					10			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
H	0930	1135			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED AND DIR. MPH 00 FASTEST MILE MPH AERONAUTICAL DIRECTION TIME

TIME CHECK - CLOCK AT: 0500P @2Sec./1000P ±0 Sec./1600P ±0 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆U.S.GPO 1983-0-784-009/6099

MF 1-10A (5-831)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 9 1987

TO CONVERT LST TO GMT: ADD 8 HRS SUBTRACT ____ HRS

TYPE	Time (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles: Surface (4)	VISIBILITY Miles: Tower (5)	WEATHER AND OBSTRUCTIONS TO VISION (6)	SEA LEVEL PRESS. MSL (7)	TEMP °F (8)	DEW PT °F (9)	WIND: DIRECTION 00=N (10)	WIND: SPEED Kts (11)	WIND: CHARACTER (12)	ALTIMETER SETTING Ins (13)	REMARKS AND SUPPLEMENTAL CODED DATA (13a)	OBSERVER INITIALS (13b)
SA	0447	M16 OVC	15			102	65	58	13	05		983	/ FEW NWR SC / 65	RW
SA	0555	M17 OVC	15			108	64	57	14	07		985	/ CIG RGD TOPS 033	RW
SA	0651	15 SCT M19 OVC	15			108	65	57	12	05		985	/ 110 $ 15 //	RW
SA	0752	18 SCT M22 OVC	15			115	66	57	14	06		987		RW
SA	0853	M17 BKN 22 OVC	15			119	66	58	12	06		988	/ FEW SML CU C TOPS 035	RW
SA	0950	M18 BKN 25 OVC	15			122	68	58	16	06		989	/ 214 18// 64	RW
SA	1050	15 SCT M25 OVC	15			119	67	59	18	09		988	/ B/NCVC S	RW
SA	1148	20 SCT E28 OVC	20			119	69	59	18	13		988	/ SML B/NCVC S-SW	RW
L	1210	20 SCT E28 BKN 250 BKN	20						17	10		988		RW
SP	1235	20 SCT 26 SCT 250 - BKN	20						15	08		988	/ WND 12V24	RW
SA	1249	20 SCT 28 SCT E250 BKN	20			115	71	60	20	10		987	/ 28 SCT V BKN / 80T 1801	RW
SA	1344	30 SCT E30 BKN 250 BKN	20			115	71	58	22	10		987		MC
SA	1446	E30 BKN 250 BKN	20			112	71	58	22	08		986	/ FEW LWR SC	MC
SA	1552	250 - BKN	30			105	70	57	21	07		984	/ FEW SC / 8/2 15:272	AD
SA	1650	250 - BKN	30			102	69	58	1908			983	/ FEW SC	AD
SA	1748	E250 BKN	30			102	68	57	18	06		983	/ SC SE-W	AD
SA	1852	250 - BKN	30			105	67	57	21	07		984	/ FEW SC / 302 / 5:2	AD
SA	1950	250 - BKN	25			108	66	58	18	05		985	/ FEW SC	AD
SA	2048	25 SCT 250 - SCT	20			115	65	59	14	05		987		AD
SA	2151	250 - SCT	20			115	65	58	16	04		987	/ SC S-NW / 110 / 5CI :2	AD
RS	2249	M15 BKN 250 VC	20			122	65	58	16	04		984	/ B/NCVC LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

• U.S. GPO 1983-0-884-008/8010

MF1-10B
10-83

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 9 1987

To convert LST to GMT: ADD 8 hrs SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMID (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	TYPE	HEIGHT	SECOND LAYER AMT	TYPE	HEIGHT	SUB-STATION TOTAL	THIRD LAYER AMT	TYPE	HEIGHT	SUB-STATION TOTAL	FOURTH LAYER AMT	TYPE	HEIGHT	TOTAL SKY COVER	PRESSURE TENDENCY	WET BULB CHANGE (Ins.)	SUNSHINE (Tenths)	PRECIPITATION (Ins.)	
00																									00
01																									01
02																									02
03																									03
04	29.790				10															10					04
05	29.830				10															10					05
06	29.810				10	4	SC	15	6	SC	MNY	10								10					06
07	29.830				10															10	1	.030			07
08	29.840				10															10					08
09	29.850				10	6	CU	MNY	4	SC	25	10								10					09
10	29.840				10															10	2	.040			10
11	29.840				10															10					11
12	29.830				8	2	CU	20	3	SC	28	5	3	CI	E250	8				5	8	.020			12
13	29.825				8															8					13
14	29.820				6															5					14
15	29.795				8	0	SC	30	8	CI	250	8								8	8	.035			15
16	29.785				8															3					16
17	29.790				8															5					17
18	29.810				9	0	SC	30	4	CI	250	9								3	3	.010			18
19	29.810				6															2					19
20	29.830				3															1					20
21	29.830				1	0	SC	25	1	CI	250	1								0	1	.030			21
22	29.845				10															7					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (GMT)	TIME (LST)	NO.	PRECIP (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP (°F)		STATE OF GROUND						SOIL TEMP.			STATION PRESSURE COMPUTATIONS			
	2400 TO 2444	X	0	0	X	66	65		X						X			TIME (LST)		0949	1550	2449
	0445	1	0	0	0	66	65											ATT. THERM.				
	0948	1	0	0	0	68	64											CORRN. (Ins.)				
	1549	1	0	0	0	72	67											TOTAL CORR.				
	2147	1	0	0	0	71	65											STA. PRESS.		29.850	29.795	29.825
	1550	X	0	0	0	65	64		X						X			ALTIMETER		29.850	29.795	29.825
																		SEA LEVEL CORR.		0	0	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP (Ins.)	24-HR. SNOWFALL (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Mi.)	PEAK WIND DIR.	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER TOP	FROZEN GROUND LAYER BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
72	64	0	0	0	17	SW	1426					9			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED

TIME SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT 0500P ±0 Sec. / 1000P ±0 Sec. / 1600P ±0 Sec.

1/ LAST OF SEVERAL OCCURRENCES

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED ★ U.S. GPO 1983-0-764-008/8088

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 10 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles: SURFACE	VISIBILITY Miles: TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. MSL	TEMP °F	DEW PT °F	WIND: DIRECTION (10's of deg.)	WIND: SPEED Kts	WIND: CHARACTER	ALTIMETER SETTING (in.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
SA	0447	M10 BKN 17 OVC	7		L-	119	63	59	16	05		988	/CIG RGD/ 62	BKW
SA	0551	M12 BKN 17 OVC	7		L-	122	63	60	13	04		989	/CIG RGD TOPS OF OVC 034 OVR SLI	BKW
SP	0636	7 SCT M12 BKN 17 OVC	7		L-				15	04		990	/SCT V BKN CIG RGD	BKW
SA	0652	7 SCT M12 BKN 17 OVC	7		L-	129	63	59	18	05		991	/CIG RGD TOPS OF OVC 034/ 31400 16//	BKW
SA	0751	8 SCT M12 BKN 17 OVC	7			132	63	60	16	05		992	/CIG RGD* TOPS OF OVC 035 *LE40	BKW
SA	0830	M9 BKN 12 BKN 17 OVC	7						18	04		992	/9 BKN V SCT CIG RGD	BKW
SA	0853	M9 BKN 12 BKN 17 OVC	7		L-	132	63	59	19	04		992	/9 BKN V SCT CIG RGD LB40	BKW
SP	0928	M10 BKN 15 OVC	7		L-				19	05		993	/CIG RGD	BKW
SA	0950	M10 BKN 15 OVC	8		L-	135	63	59	19	06		993	/CIG RGD/ 12700 16// 62	BKW
SP	1038	M15 BKN 22 OVC	15						21	07		993	/CIG RGD TOPS 036	BKW
SA	1054	M15 BKN 22 OVC	15			139	66	58	14	06		994	/LE17	BKW
SA	1152	M17 BKN 22 OVC	15			135	67	58	18	07		993		BKW
SA	1249	E19 BKN 25 OVC	20			132	70	57	18	08		992	/ 8050 0 15//	MC
SA	1349	E19 BKN 25 OVC	20			129	70	57	18	07		991	/SM6 3 [illegible] CU/TU	MC
SA	1449	20 SCT E28 BKN	20			125	71	58	16	06		990		MC
SA	1549	20 SC- E20 BKN 250 BKN	20			119	70	57	22	07		988	/ 8120 0 1501 71	RMS
SA	1625	20 SCT 28 SCT 250 SCT	25						21	05		987		RMS
SA	1654	30 SCT 250 SC-	25			112	70	56	20	06		986		RMS
SA	1747	30 SCT 250 SCT	25			115	69	57	21	05		987		RMS
SA	1847	30 SCT 250 SCT	25			115	67	58	20	06		987	/503 1501	RMS
SA	1947	250 SCT	25			114	66	58	21	05		988	/ SC W	MRS
SA	2050	30 SCT 250 SCT	20			129	66	57	23	05		991		RMS
SA	2153	250 SCT	20			132	65	56	17	04		992	/ 117 1500 71	RMS
SA	2248	25 SCT	20			132	65	58	22	03		992	/ LAST	RMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII IIiii iRixhVV Ndddff 1snTTT 2s0TdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

☆ U.S.GPO 1983-0-684-038/610

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

SURFACE WEATHER OBSERVATIONS

DATE: JUL 10 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

CLOUDS AND OBSCURING PHENOMENA

Time (L.S.T.) 16	Station pressure (Ins.) 17	Dry bulb (°F) 18	Wet bulb (°F) 19	Rel. humidity (%) 20	Total sky cover 21	Lowest layer Amt. 22	Lowest layer Type 23	Lowest layer Height 24	Second layer Amt. 25	Second layer Type 26	Second layer Height 27	Summation total 28	Third layer Amt. 29	Third layer Type 30	Third layer Height 31	Summation total 32	Fourth layer Amt. 33	Fourth layer Type 34	Fourth layer Height 35	Total opaque sky cover 36	Pressure tendency 37	Net 3-hr. change (Ins.) 38	Sunshine (Hrs.) 39	Precipitation (Ins.)	Hr.
00																									00-01
01																									01-02
02																									02-03
03																									03-04
0447	29.840				10															10				T	04-05
0551	29.850				10															10				T	05-06
0652	29.870				10	3	STFRA	9	6	ST	M12	9	1	SC	17	10				10	3	.040		T	06-07
0751	29.880				10															10				T	07-08
0853	29.880				10															10				T	08-09
0950	29.890				10	7	ST	M10	3	SC	15	10								10	1	.020		T	09-10
1054	29.900				10															10				T	10-11
1152	29.890				10															10					11-12
1249	29.875				10	6	SC	E19	4	SC	25	10								10	8	.015			12-13
1349	29.870				10															10					13-14
1449	29.860				7															7					14-15
1549	29.840				7	1	SC	20	5	S	E45	6	1	CI	250	7				5	8	.035			15-16
1654	29.920				3															2					16-17
1747	29.830				3															2					17-18
1847	29.830				3	2	SC	30	1	CI	250	3								2	5	.010			18-19
1946	29.840				1															0					19-20
2052	29.870				1															1					20-21
2153	29.860				3	3	SC	25												3	1	.050			21-22
2249	29.87[illegible]				4															4					22-23
23																									23-24

SYNOPTIC OBSERVATIONS

Time (G.M.T.) 41	Time (L.S.T.) 42	No. 43	Precip. (Ins.) 44	Snow fall (Ins.) 45	Snow depth (Ins.) 46	Max. temp. (°F) 47	Min. temp. (°F) 48	49	State of grnd. 50	51	52	53	54	55	Soil temp. 56	57	58
	2300 TO 0444	X	T	0	X	65	62	X	X						X		
	0444	1	T	0	0	65	62										
	0948	2	T	0	0	64	62										
	1545	3	T	0	0	71	63										
	2145	4	0	0	0	71	65										
	2300	X	0	0	0	65	65	X	X						X		

STATION PRESSURE COMPUTATIONS

Time (L.S.T.) 59		0949	1546	2146
Att. therm. 60				
Observed bar. 61				
Total corr. 62				
Sta. press. 63		29.890	29.840	29.850
Barograph 64		29.880	29.875	29.875
Bar. corr. 65		+.010	-.005	+.005

SUMMARY OF DAY (2300P TO 2300P)

24-hr. max. temp. (°F) 66	24-hr. min. temp. (°F) 67	24-hr. precip. water equiv. (Ins.) 68	24-hr. snowfall unmelted (Ins.) 69	Snow depth (Ins.) 70	Peak wind Speed (Kts.) 71	Peak wind Direction 72	Peak wind Time (L.S.T.) 73	Thickness of ice on water (Ins.) 74	Frozen ground layer Top 75	Frozen ground layer Base 76	River gage 77	Sky cover Sunrise to sunset 78	Sky cover Midnight to midnight 79	Water equiv. (Ins.) 80	81
71	62	T	0	0	12	5	1357					8			

WEATHER & OBSTRUCTIONS TO VISION

Type 82	Began 83	Ended 84	Type 85	Began 87	Ended 88
L-	UNKN	0740			
L-	0840	1017			

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0500P ±0 Sec./ 1000P ±0 Sec./ 1510P ± 0Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED.

U.S. GPO 1983-0-794-008/6080

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 11 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mbs)	TEMP °F	DEW PT °F	WIND DIRECTION (00-36)	WIND SPEED (Kts.)	WIND 3-HR MAX SPEED	ALTIMETER SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBS. OFFICE'S INITIALS
1	2	3	4a	4b	5	6	7	8	9	10	11	12	13	14
SA	0450	M15 SVC	15			135	65	58	11	04		993	/ 65	AD
SA	0549	M17 OVC	15			142	65	58	12	04		995	/VSBY HIRW TCPS C36	AD
SA	0650	M15 OVC	15			146	65	58	09	04		996	/VSBY HIRW /312 15//	AD
SA	0749	15SCT M23 OVC	15			149	66	58	07	04		997		AD
SA	0849	18 SCT M25 OVC	15			149	69	58	07	03		997	/FEW BINOVC	AD
SA	0950	18 SCT M24 OVC	20			149	69	58	20	07		997	/103 15// 68	AD
SA	1047	20 SCT E28 OVC	20			149	71	58	23	05		997	/NMRS BINOVC TOPS C35	AD
SI	K 1126	E30 BKN	20						22	06		996		AD
SA	1150	30 SCT 250 SCT	20			146	73	58	23	08		996		AD
SA	1248	250 SCT	20			142	73	58	22	09		995	/FEW SC /808 1502	AD
SA	1354	250 SCT	20			135	73	58	22	10		993		RMS
SA	1449	250 SCT	25			135	73	58	22	10		993		RMS
SA	1552	250 SCT	20			132	73	58	21	08		992	/ 708 1002 75	RMS
SA	1646	250 SCT	20			124	71	58	26	08		991		RMS
SA	1748	250 SCT	25			132	70	59	27	06		992	/SC W MAZN	RMS
SA	1850	250 SCT	25			135	67	58	26	10		993	/SC SCATTERED MAZN/303 1501	RMS
SA	1947	250-SCT	25			142	66	58	26	08		995	/SC W MAZN	RMS
SA	2051	250-SCT	20			149	65	58	26	06		997		RMS
SA	2149	250 SCT	20			152	64	58	29	06		998	/SC W /117 1501 75	RMS
SA	2247	250 SCT	15			154	63	58	26	05		000	/LAST	RMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII Iliii iRixhVV Nddff 1snTTT 2s0TdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

*U.S.GPO:1983-0-684-088/6010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 11 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL O. PAQUET SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	24-HR. CHANGE (Ins.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								
01																								
02																								
03																								
04	52	29.870				10														10				
05	46	29.905				10														10				
06	50	29.920				10	10	SC	M15											10	3	.035		
07	49	29.935				10														10				
08	49	29.930				10														10				
09	50	29.930				10	3	SC	18	10	SC	M24	10							10	1	.010		
10	47	29.930				10														9				
11	50	29.920				2														2				
12	48	29.905				1	0	SC	30	1	CI	250	1							1	8	.025		
13	54	29.890				2														2				
14	48	29.890				1														1				
15	52	29.880				3	3	CI	250											2	7	.025		
16	46	29.870				3														2				
17	48	29.875				2														2				
18	50	29.890				1	0	SC	15	1	CI	250	1							1	3	.010		
19	47	29.910				1														0				
20	51	29.930				2														1				
21	49	29.940				2	0	SC	15	2	CI	250	2							2	1	.050		
22	47	29.955				3														2				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.					SOIL TEMP.			
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58
	2300 AM	X	0	0	X	65	65	X	X					X			
	0448	1	0	0	0	65	65										
	0947	2	0	0	0	70	65										
	1545	3	0	0	0	75	68										
	2145	4	0	0	0	75	64										
	2300 AM	X	0	0	0	64	63	X	X					X			

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59		0949	1546	2146
ATT. THERM. 60				
OBSERVE. CORR. 61				
TOTAL CORR. 62				
STA. PRESS. 63		29.930	29.880	29.940
SEA-LEVEL 64		29.93	29.890	29.940
BAR. CORR. 65		0	-.010	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Etc.)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
75	63	0	0	0	16	SW	1411					6			

REMARKS NOTED AND MISCELLANEOUS PHENOMENA

TIME SUNRISE SUNSET

TOTAL SUNSHINE (MIN.)	DURATION OF POSSIBLE SUNSHINE	CHARACTER OF SUNRISE	CHARACTER OF SUNSET
FASTEST OBSERVED 5-MINUTE WIND SPEED AND DIRECTION MP.H.	OR FASTEST MILE MP.H.	ASSOCIATED DIRECTION	TIME

TIME CHECK - CLOCK AT: 0500P ±0 Sec. / 1000P ±0 Sec. / 1634P ±0 Sec.

SP=

RS=

WEATHER & OBSTRUCTIONS TO VISION

TYPE 82	BEGAN 83	ENDED 84	TYPE 85	BEGAN 87	ENDED 88

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED

* U.S.GPO 1983-0-784-038/6089

MF 1-10A (5-63)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 12 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE (1)	TIME (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles: SURFACE (4a)	VISIBILITY Miles: TOWER (4b)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. Mbs (6)	TEMP °F (7)	DEW PT °F (8)	WIND DIRECTION (9)	WIND SPEED Kts (10)	WIND CHARACTER (11)	ALTIMETER SETTING (In.) (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER'S INITIALS (15)
SA	0452	M19 OVC	7			159	65	57	04	04		000	/63 *THN SPOTS 10VC	AD
SA	0548	M19 OVC	7			159	65	57	32	03		000	/THN SPOTS 10VC TOPS 025	AD
SA	0649	M 20 OVC	7			163	66	57	03	03		001	/FEW THN SPOTS 10VC TOPS 027	AD
													/ 305 15//	
SA	0749	M 20 OVC	6		H	166	69	57	32	03		002	/BINOVC	AD
SP	0809	19 SCT	5		H				25	04		002		AD
SA	0849	24-SCT	5		H	163	73	58	03	03		001		AD
SA	0949	CLR	5		H	163	77	58	28	05		001	/802 63	AD
SA	1048	CLR	6		H	156	77	59	22	07		999		AD
SA	1148	CLR	7			152	78	59	18	09		998		AD
SA	1248	CLR	8			149	82	59	25	09		997	/714	AD
SA	1353	CLR	15			146	80	58	26	09		996		AMS
SA	1454	CLR	15			142	77	54	27	10		995		AMS
SA	1553	CLR	15			139	75	59	26	09		994	/806 83	AMS
SA	1646	CLR	15			135	73	54	27	10		993		AMS
SA	1752	CLR	15			139	71	59	26	09		994		AMS
SA	1850	CLR	20			139	68	60	26	09		994	/500	AMS
SA	1946	CLR	25			146	66	60	29	08		996		AMS
SA	2048	CLR	20			149	65	59	26	08		997		AMS
SA	2148	CLR	20			152	65	58	28	08		998	/114 83	AMS
SA	2247	CLR	15			152	64	59	28	07		998	/LAST	AMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iR$_i$$_x$hVV Nddff 1s$_n$TTT 2s$_nT_dT_dT_d$ 3P$_o$P$_o$P$_o$P$_o$ 4PPPP 5appp 6RRRt$_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (11-62) WHICH MAY BE USED.

☆U.S.GPO-1963-O-684-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 12 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								HR.
01																								01
02																								02
03																								03
04	52	29.955				10														10				04
05	48	29.960				10														10				05
06	49	29.970				10	10	SC	M20											10	3	.015		06
07	49	29.975				10														10				07
08	49	29.970				1														0				08
09	49	29.965				0														0	8	.005		09
10	48	29.950				0														0				10
11	48	29.940				0														0				11
12	48	29.925				0														0				12
13	53	29.920				0														0	7	.040		13
14	54	29.910				0														0				14
15	53	29.900				0														0				15
16	46	29.890				0														0	8	.025		16
17	52	29.900				0														0				17
18	50	29.900				0														0				18
19	46	29.915				0														0	5	.000		19
20	46	29.930				0														0				20
21	48	29.940				0														0	1	.040		21
22	47	29.940				0														0				22
23																								23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF GRND.	SOIL TEMP.
41	2308	43	44	45	46	47	48	49	50
	0845		0	0		65	63		
	0445	1	0	0	0	65	63		
	0947	2	0	0	0	77	65		
	1546	3	0	0	0	83	75		
	2145	4	0	0	0	75	65		
	2300			0	0	65	64		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)	0948	1547	2146
ATT. THERM.			
CORRN. BAR.			
TOTAL CORR.			
STA. PRESS.	29.965	29.900	29.940
BAROGRAPH	29.965	29.915	29.935
BAR. CORR.	0	-.015	+.005

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Kts.)	PEAK WIND DIR. (Tens)	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
83	63	0	0	0	16	SW	0008					3			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88
H	0730	1130			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME. SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF BARRIER CHARACTER OF SHEET

FASTEST OBSERVED MI/HR. AND DIRECTION M.P.H. OR FASTEST MI-S M.P.H. AVERAGED DIRECTION TIME

TIME CHECK - CLOCK AT: 0500P ±0 Sec./1000P ±0 Sec./ ± Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆ U.S. GPO 1983-0-784-008/8088

MF 1-10A (5-83) — U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 13 1987

TO CONVERT LST TO GMT ADD 8 hrs SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles: SURFACE	VISIBILITY TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. Mbs.	TEMP °F	DEW PT °F	WIND DIRECTION (00=Calm)	WIND SPEED Kts.	WIND CHARACTER	ALTIMETER SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER INITIALS
SA	0447	CLR	7			149	61	59	13	03		997	/ 61	BKW
SA	0553	CLR	7			152	63	59	06	04		998	/VSBY LWR NE-E	BKW
SA	0654	CLR	7			152	68	60	27	04		998	/VSBY LWR NE-E/ 50	BKW
SA	0751	CLR	7			152	72	59	33	04		998		BKW
SA	0851	CLR	7			152	72	61	22	07		998		BKW
SA	0950	CLR	8			152	72	61	18	08		998	/ 400 61	BKW
SA	1052	CLR	8			149	74	61	19	08		997		BKW
SA	1148	CLR	7			146	78	60	18	06		996		BKW
SP	1212	CLR	6		HK				26	10		995	/WSHFT 08	BKW
SA	1249	CLR	10			142	81	60	24	10		995	/ 710	BKW
SA	1349	CLR	14			135	82	60	E27	08		993		ML
SA	1449	CLR	15			132	81	59	E29	08		992	/ CI NE	ML
SA	1550	CLR	15			125	79	59	E27	10		990	/FEW SC DSNT W CINE /	AD
													717 / 501 82	
SA	1649	CLR	15			122	76	59	E28	09		989	/SC DSNT W FEW CI NE	AD
SA	1748	CLR	15			125	72	61	E28	10		990	/SC DSNT W FEW CI NE	AD
SA	1849	CLR	15			129	69	60	E28	10		991	/FEW SC ~~NE~~ DSNT W CI NE.	AD
													/302 1501	
SA	1949	CLR	12			132	67	59	E28	07		992	/SC DSNT W-NW	AD
SA	2047	CLR	10			135	66	61	E29	06		993	/SC DSNT W-NW	AD
SA	2150	CLR	8			139	65	61	E28	05		994	/SC DSNT W-NW /	AD
													212 1500 82	
SA	2248	CLR	8			135	64	61	E25	04		993	/SC DSNT W-NW LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3PoPoPoPo 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

☆U.S.GPO:1983-0-684-035/6010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 13 1987

To convert LST to GMT ADD 7 hrs. SUBTRACT ____ hrs.

TIME (L S T)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								
01																								
02																								
03																								
04	47	29.930				0														0				
05	53	29.940				0														0				
06	54	29.940				0														0	5	.000		
07	51	29.940				0														0				
08	51	29.940				0														0				
09	50	29.940				0														0	4	.000		
10	52	29.930				0														0				
11	48	29.920				0														0				
12	49	29.910				0														0	7	.030		
13	46	29.890				0														0				
14	49	29.880				0														0				
15	50	29.860				0	0	SC	12	0	CI	250	0							0	7	.050		
16	49	29.850				0														0				
17	48	29.855				0														0				
18	49	29.865				0	0	SC	12	0	CI	250	0							0	3	.005		
19	49	29.875				0														0				
20	47	29.890				0														0				
21	50	29.900				0	0	SC	10											0	2	.035		
22	48	29.890				0														0				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF GROUND	SOIL TEMP.
41	2308	42	43	44	45	47	48	49	56
	0744	X	0	0	X	64	61	X	X
	0744	1	0	0	0	65	61		
	0748	2	0	0	0	74	61		
	1546	3	0	0	0	82	72		
	2147	4	0	0	0	80	65		
	2300	X	0	0	0	65	64	X	X

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)	0949	1548	2149
ATT. THERM.			
CORR. BAR.			
TOTAL CORR.			
STA. PRESS.	29.943	29.868	29.900
MAG. READ.	29.94	29.860	29.895
BAR. CORR.	0	0	+.005

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Mi./Hr.)	PEAK WIND DIR.	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
82	61	0	0	0	14	(W)	1514					0			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88
H	1205	1240			
K	1205	1240			

15. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERIOD OF POSSIBLE SUNSHINE | CHARACTER OF RANGE | CHARACTER OF BASE

FASTEST OBSERVED 1-MINUTE WIND SPEED AND DIRECTION ____ M.P.H. OR FASTEST ____ M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0502P ±0 Sec./ 1020P ±0 Sec./ 1600P ±1 Sec.

1/ LAST of SEVERAL OCCURRENCES

WIND ~~EXCD~~ DIRECTION INDICATOR INOPERATIVE 1300-CONT

WIND DIR ESTIMATED

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆ U.S. GPO 1983-0-784-008/8089

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 14 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mbs.)	TEMP °F	DEW PT °F	WIND DIRECTION (from 00=N)	WIND SPEED (Kts)	WIND GUSTS	ALTIMETER SETTING (Ins)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
1	2	3	4a	4b	5	6	7	8	9	10	11	12	13a	13b
SA	0447	M12 OVC	4		FH	129	65	60	E06	03		991	/CIG RGD/ 63	JKW
SA	0551	M10 OVC	5		FH	129	65	60	E12	05		991	/TOPS 0.8	JKW
SA	0647	M10 OVC	5		FH	132	65	60	E14	04		992	/CIG RGD/ 500 1611	JKW
SP	0734	M9 BKN 11 OVC	5		FH				E 7	08		993	/CIG RGD	JKW
SA	0752	M8 BKN 11 OVC	5		FH	135	65	61	E16	08		993	/CIG RGD TOPS 018	JKW
SA	0850	M9 BKN 11 OVC	6		H	139	66	60	E16	08		994	/CIG RGD TOPS 019	JKW
SP	0918	M10 OVC	6		H				E15	04		994	/CIG RGD	JKW
SA	0950	M12 OVC	6		H	139	68	60	E14	06		994	/SML BINOVC/ 107	JKW
													1611 63	
L	1007	M14 BKN	6		H				E12	04		994		JKW
SP	1017	15 SCT	6		H				E19	07		994	/CIG LWR SE-SW	JKW
SA	1054	CLR	7			135	72	60	E16	08		993	/FEW SC SE-SW	JKW
SA	1148	CLR	7			129	75	61	E17	08		991		JKW
SA	1249	CLR	7			122	73	61	E17	13		989	/ 717	JKW
SA	1349	CLR	7			112	77	62	E28	05		986		ML
SA	1449	CLR	8			108	81	64	E30	08		985		ML
SA	1551	CLR	10			095	78	61	E29	08		98	/FEW SC DSNTW/827 1500	AD
													82	
SA	1648	CLR	10			095	75	61	E29	06		981	/FEW SC DSNT W	AD
SA	1757	CLR	8			098	71	61	E29	09		982	/SC DSNT W-NW	AD
SA	1850	CLR	6		H	108	67	61	E28	09		985	/SC W-NW/ 314 1500	AD
SA	1950	12SCT	6		H	115	66	61	E28	06		987		AD
SP	2015	M12 OVC	7				~~66~~	~~61~~	E28	05		988		AD
SA	2050	M13 OVC	7			122	66	61	E29	04		989		AD
SA	2152	M12 OVC	7			125	67	61	E30	06		990	/117 15// 82	AD
SA	2248	8 SCT M12 OVC	7			125	65	60	E18	08		990	/LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on the following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Ndddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRRt_R 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

*U.S.GPO:1983-0-684-008/8010

MP1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 14 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Min.)	PRECIPITATION (Ins.)	
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
00																									00-01
01																									01-02
02																									02-03
03																									03-04
04	47	29.870				10														10					04-05
05	51	29.870				10														10					05-06
06	49	29.880				10	10	ST	M10											10	5	.000			06-07
07	52	29.890				10														10					07-08
08	50	29.900				10														10					08-09
09	50	29.900				10	10	ST	M12											10	1	.000			09-10
10	54	29.890				0														0					10-11
11	48	29.870				0														0					11-12
12	49	29.850				0														0	7	.050			12-13
13	49	29.820				0														0					13-14
14	49	29.825				0														0					14-15
15	51	29.770				0	0	SC	10											0	8	.080			15-16
16	48	29.770				0														0					16-17
17	51	29.780				0														0					17-18
18	50	29.810				0	0	SC	10											0	3	.040			18-19
19	50	29.830				1														1					19-20
20	50	29.850				10														10					20-21
21	52	29.860				10	10	SC	M12											10	1	.050			21-22
22	48	29.855				10														10					22-23
23																									23-24

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.			
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	
	2300 to 0444	X	0	0	X	65	63	X	X						X			
	0444	1	0	0	0	65	63											
	0948	2	0	0	0	69	64											
	1547	3	0	0	0	82	68											
	2147	4	0	0	0	72	66											
	2300 to	X	0	0	0	67	65	X	X						X			

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)		0949	1549	2140
ATT. THERM.				
DIURNAL CORR.				
TOTAL CORR.				
STA. PRESS.		29.900	29.770	29.860
BAROGRAPH		29.900	29.780	29.860
BAR. CORR.		0	-.010	0

SUMMARY OF DAY (BEGINNING TO MIDNIGHT) (2300P - 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNKN. TO (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Rte.)	PEAK WIND DIR. TRUE	PEAK WIND TIME (L.S.T.)	THICK. MEAS. OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
82	63	0	0	0	16	(S)	1244					4			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	86	87	88
F	UNKN	0840			
H	UNKN	1035			
H	1830	2010			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED WIND SPEED AND DIRECTION M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0500P ① 1 Sec./ 1000P ① 1 Sec./ 1600P ① 1 Sec.

WIND DIRECTION INDICATOR INOPERATIVE CONT

WIND DIR ESTIMATED

LAST OF SEVERAL OCCURRENCES

SP=

RS=

MP1-10B (10-83) SUPERSEDES MP1-10B (1-82) WHICH MAY BE USED. ☆ U.S. GPO 1983-0-784-006/6089

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 15 1987

TO CONVERT LST TO GMT: ADD 8 HRS SUBTRACT ____ HRS

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (MB)	TEMP °F	DEW PT °F	WIND DIRECTION (TENS, 00=36)	WIND SPEED (KTS)	WIND CHARACTER	ALTIMETER SETTING (INS)	REMARKS AND SUPPLEMENTAL CODED DATA	QUALITY CONTROL INDICATORS
	2	3	4a	4b	5	6	7	8	9	10	11	12	13	15
SA	0448	M10 OVC	6		H	115	65	60	E12	04		987	/CIG RGD/ 64	RLW
SA	0554	M10 OVC	6		H	119	65	60	E14	06		988	/CIG RGD TOPS 022	RLW
SP	0612	M9 OVC	6		H				E13	05		988	/CIG RGD	RLW
SP	0651	6 SCT M8 OVC	6		H				E16	08		989	/CIG RGD	RLW
SA	0651	6 SCT M8 OVC	6		H	122	65	61	E12	05		989	/CIG RGD/ 303 1611	RLW
SA	0753	6 SCT M8 OVC	6		H	125	65	60	E14	07		990	/CIG RGD/ TOPS 022	RLW
SP	0837	6 SCT 8 SCT M10 OVC	6		H				E15	06		990	/CIG RGD	RLW
SA	0851	8 SCT M11 OVC	6		H	125	65	60	E14	07		990	/CIG RGD TOPS 023	RLW
SP	0936	M8 BKN 12 OVC	6		H				E12	06		991	/CIG RGD	RLW
SA	0950	M8 BKN 12 OVC	7		L-	129	65	61	E12	08		991	/LE40 CIG RGD/ 30700 1611 64	RLW
SP	1024	8 SCT M10 OVC	7						E14	08		991	/CIG RGD	RLW
SA	1055	8 SCT M10 OVC	8			129	67	59	E16	08		991	/LE20 CIG RGD TOPS 022	RLW
SA	1151	9 SCT M11 OVC	8			125	66	60	E17	09		990	/SCT V BKN CIG RGD	RLW
SP	1216	M9 BKN 11 OVC	8						E18	09		990	/CIG RGD	RLW
SA	1249	M9 BKN 12 OVC	12			122	68	61	19	07		989	/BKN V SCT CIG RGD TOPS 020/ 80700 1511	RLW
SP	1303	M12 OVC	12						16	07		988	/CIG RGD	ML
SA	1350	M12 OVC	12			115	68	60	18	09		987	/BINOVC E	ML
L	1410	E13 BKN	12						18	08		986		ML
SP	1424	14 SCT	12						18	07		986	/SCT V BKN	ML
SA	1449	14 SCT 150 SCT	12			108	70	61	19	08		985		ML
SA	1553	14 SCT 150 SCT	12			102	69	60	19	09		983	/7200001570 71	RMS
SA	1647	15 SCT 150 SCT	10			098	68	61	20	10		982		RMS
SA	1746	15 SCT	10			102	67	61	17	09		983		RMS
SA	1855	15 SCT 150 SCT	12			102	66	61	16	09		983	/1500 1570	RMS
SP	1932	M12 BKN	10						17	06		984	/TOPS 016	RMS
SA	1951	M12 OVC	10			108	65	61	16	09		985	/SML BINOVC	RMS
SP	2025	8 SCT M11 OVC	10						16	09		986		RMS
SA	2048	8 SCT M11 OVC	10			112	65	61	15	09		986		RMS
SP	2120	M8 BKN 11 OVC	10						17	08		986		RMS
SA	2149	M9 OVC	8			112	65	61	18	07		986	/110 1611 71	RMS
SA	2246	M9 OVC	7			115	65	61	15	07		987	/CIG RGD LAST	RMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

*U.S.GPO: 1983-0-664-008/8010

MF1-10B (10-83I)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 15 1987

To convert LST to GMT ADD 7 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR CHANGE (Ins.)	SUNSHINE (Tenths)	PRECIPITATION (Ins.)	HR.
00																									00
01																									01
02																									02
03																									03
04 48	29.830				10															10					04
05 54	29.840				10															10					05
06 51	29.850				10	3	ST	6	7	ST	M8	10								10	3	.010			06
07 53	29.860				10															10					07
* 08 51	29.860	65.3	61.8		10															10					08
09 50	29.870				10	8	ST	M8	2	ST	12	10								10	3	.020		T	09
* 10 55	29.870	66.8	62.0		10															10				T	10
* 11 51	29.860	66.0	62.2		10															10					11
12 49	29.850				10	6	SC	M9	4	SC	12	10								10	8	.020			12
13 50	29.805				10															10					13
14 49	29.810				2															2					14
15 53	29.740				2	1	SC	14	1	AC	150	2								2	7	.060			15
16 47	29.780				1															1					16
17 46	29.785				1															1					17
18 53	29.740				3	3	SC	15	0	AC	150	3								3	5	.000			18
19 51	29.810				10															10					19
20 48	29.820				10															10					20
21 49	29.820				10	10	ST	M9												10	1	.030			21
22 46	29.830				10															10					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF GRND	SOIL TEMP.	STATION PRESSURE COMPUTATIONS			
	2300									TIME (L.S.T.)		0949	1546	2146
	MID TO 0445	X	0	0	X	65	64	X	X	ATT. THERM.				
	0445	1	0	0	0	67	64			OBSVD. BAR.				
	0948	2	T	0	0	67	64			TOTAL CORR.				
	1545	3	T	0	0	71	65			SEA LEVEL PRESS.		29.870	29.790	29.830
	2145	4	0	0	0	70	65			STATION PRESS.		29.870	29.800	29.825
	2300	X	0	0	0	65	65	X	X	BAR. CORR.		0	-.010	-.005

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT (2300P - 2300P))

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNOFFICIAL (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Etc.)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICK. INCRS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO MIDNIGHT	WATER EQUIV. (Ins.)	
71	64	T	0	0	13	5	1727					7			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
H	UNKN	0940			
L-	0940	1020			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ ON ____ M.P.H. FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P @ 1 Sec. / 1000P @ 1 Sec. / 1630P @ 1 Sec.

WIND DIRECTION INDICATOR INOPERATIVE - CONT - 1220P

*HO-83 TEMPERATURE AND DEWCELL OTS - 0800P - 0900P
ROOF READINGS IN USE

*HO-83 TEMPERATURE AND DEWCELL OTS ROOF READINGS IN USE
1000P - 1200P

SP=

RS=

MF1-10B (10-83)

SUPERSEDES MF1-10B (11-82) WHICH MAY BE USED.

☆ U.S. GPO 1983-0-784-008/8089

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 16 1987

TO CONVERT LST TO GMT: ADD 8 HRS. SUBTRACT ____ HRS.

TYPE (1)	TIME (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles: SURFACE (4i)	VISIBILITY Miles: TOWER (4n)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. MSL (6)	TEMP °F (7)	DEW PT. °F (8)	WIND: DIRECTION 00-36 (9)	WIND: SPEED Kts. (10)	WIND: CHARACTER (11)	ALTIM EYER SET-TING Ins. (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER'S INITIALS (14)
SA	0447	M5 BKN 8 OVC	3		L-F	115	63	62	15	07		987	/CIG RGD VSBY N-E2½	BLW
													WND 11V20/ 63	
SP	0509	M6 BKN 9 OVC	4		L-F				13	05		988	/CIG RGD VSBY N-E2½	BLW
SA	0555	M6V BKN 9 OVC	3		L-F	119	63	62	15	06		988	/CIG 5V7 VSBY N-E2½	BLW
SA	0653	M6V BKN 9 BKN 12 OVC	5		L-F	125	63	62	14	05		990	/CIG 5V7 TOPS 028	BLW
													3:40C 16//	
SP	0721	M6V BKN 9 BKN 12 OVC	2½		L-F				15	07		990	/CIG 5V7	BLW
SA	0755	M6V 3KN 9 BKN 12 OVC	2½		L-F	125	63	62	16	07		990	/CIG 5V7 TOPS 032	BLW
SP	0808	M6V BKN 9 BKN 11 OVC	4		L-F				15	08		990	/CIG 5V7	BLW
SA	0853	M6V BKN 9 BKN 11 OVC	4		L-F	125	64	62	16	06		990	/CIG 5V7	BLW
SP	0912	6 SCT M8 BKN 11 OVC	6		L-F				16	08		990	/CIG RGD	BLW
SP	0936	8 SCT M10 BKN 15 OVC	8		L-				15	09		990	/CIG RGD	BLW
SA	0950	8 SCT M10 BKN 15 OVC	10		L-	125	65	61	15	08		990	/CIG RGD/ 40D OC	BLW
													15// 62	
SA	1052	M13 BKN 15 OVC	15			125	66	61	14	10		990	/LE30 CIG RGD TOPS	BLW
													027	
SA	1149	M13 BKN 15 OVC	15			122	67	60	17	10		989		BLW
SA	1249	M14BKN 20 OVC	15			119	67	60	17	11		988	/80700 15//	ML
SA	1349	M14BKN 20 OVC	15			119	68	60	18	10		988		ML
SA	1449	E14BKN 20 OVC	15			115	68	60	19	09		987		ML
RS	1551	13SCT M20OVC	15			112	68	60	17	09		986	/8C70C 15// 69	RMS
SA	1647	13SCT M23OVC	15			108	68	60	15	08		985		RMS
SA	1747	14SCT M20OVC	15			108	67	60	18	08		985		RMS
SA	1851	11SCT 16SCT M20OVC	15			115	66	60	14	07		987	/302 15//	RMS
SA	1949	11SCT 16SCT M20OVC	8		L-	115	65	61	15	06		987	/LR40 16SCT V BRN	RMS
SP	2013	9SCT M15BKN 20OVC	10		L-				15	08		988		RMS
SA	2047	8SCT M15OVC	8		L-	122	64	61	09	07		989	/SCT VBRN	RMS
SP	2107	7SCT M11OVC	8		L-				14	11		990	/CIG RGD	RMS
SP	2125	7SCT 11SCT M18OVC	8		L-				14	08		990		RMS
SA	2151	5SCT M20OVC	8		L-	125	63	61	15	08		990	/11200 16// 69	RMS
SA	2249	7SCT 11SCT M26OVC	10		L-	125	63	61	16	08		990	/11SCT VBRN L-1MTMT	RMS
													LAST	—

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iR$_i$xhVV Nddff 1s$_n$TTT 2s$_n$T$_d$T$_d$T$_d$ 3P$_o$P$_o$P$_o$P$_o$ 4PPPP 5appp 6RRRt$_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

☆U.S.GPO:1983-0-664-008/6010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 16 1987

To convert LST to GMT ADD ~~8~~ hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)	HR.
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
00																									00
01																									01
02																									02
03																									03
04	29.830				10															10				T	04
05	29.840				10															10				T	05
06	29.860				10	6	ST	M6	3	ST	9	9	1	ST	12	10				10	3	.040		T	06
07	29.860				10															10				T	07
08	29.860				10															10				T	08
09	29.860				10	2	ST	8	6	SC	M10	8	2	SC	15	10				10	4	.000		T	09
10	29.860				10															10				T	10
11	29.850				10															10					11
12	29.840				10	8	SC	M10	2	SC	20	10								10	8	.020			12
13	29.840				10															10					13
14	29.820				10															10					14
15	29.820				10	3	SC	13	7	SC	M20	10								10	8	.020			15
16	29.810				10															10					16
17	29.810				10															10					17
18	29.825				10	4	SC	11	1	SC	16	5	5	SC	M20	10				10	3	.005			18
19	29.840				10															10				T	19
20	29.850				10															10				T	20
21	29.860				10	3	STRATUS	5	7	ST	M20	10								10	1	.035		T	21
22	29.860				10															10				T	22
23																									23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF GROUND	SOIL TEMP.
	2300 TO 0444	X	T	0	X	65	63	X	X
	0444	1	T	0	0	65	63		
	0948	2	T	0	0	65	63		
	1545	3	T	0	0	69	65		
	2145	4	T	0	0	68	63		
	2300	X	T	0	0	69	63	X	X

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)	0949	1546	2146
ATT. THERM.			
CORRN. BAR.			
TOTAL CORR.			
SEA LEVEL PRESS.	29.860	29.820	29.860
BAROGRAPH	29.860	29.825	29.860
BAR. CORR.	0	-.005	0

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Etc.)	PEAK WIND DIR. OF ACC.	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
69	63	T	0	0	15	5	1729					10			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88
L-	UNKN	1030			
F	UNKN	0915			
L-	1940	CONT			

REMARKS, NOTES AND RECTIFICATION OF PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

PASTURY OBSERVED ____ OR FASTEST MI-E ____ ____ M. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P @ 1 Sec. / 1000P @ 1 Sec. / 2130P @ 2 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆ U.S. GPO 1983-0-784-005/6089

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 17 1987

TO CONVERT LST TO GMT: ADD 8 HRS. SUBTRACT ____ HRS.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (MB)	TEMP	DEW PT.	WIND DIR. (10's of Degrees)	WIND SPEED (Knots)	WIND GUSHES (Knots)	ALTIMETER SETTING (Inches)	REMARKS AND SUPPLEMENTAL CODED DATA	QUALITY CONTROL INDICATOR
	2	3	4a	4b	5	6	7	8	9	10	11	12	13	13a
SA	0453	10 SCT M 2 BKN 25 OVC	12			122	61	59	16	06		989	/RWY W-NW 61	AD
SP	0531	10 SCT 22 SCT M 35 OVC	14						14	04		991		AD
RS	0550	10 SCT M 20 BKN 35 OVC	14			129	62	60	09	04		991		AD
SP	0604	5 SCT M 9 BKN 120VC	14		L-				13	05		991		AD
SP	0625	5 SCT 9 SCT M 22 OVC	14						12	04		992		AD
SA	0650	5 SCT M 15 BKN 250VC	14			132	63	60	12	04		992	/LB 135 E 18 / 1080 1511	AD
SP	0718	5 SCT M 11 BKN 250VC	12		RW-				18	07		993		AD
SP	0752	5 SCT M 12 BKN 30 OVC	12		RW-	139	63	60	17	05		994	RB 12 BKN V SCT	AD
SP	0811	8 SCT 20 SCT E 60 OVC	14						19	05		994	/FEW B NOVC MDT CU SW-N	AD
												994	RWY ALGDS	
SA	0851	7 SCT 20 SCT E 300VC	14			139	63	60	17	07		994	/RE0S FEW B NOVC MDT CU	AD
													RWY SW-N-SE 20 SCT V BKN	
SP	0955	15 SCT 20 SCT E 30 BKN 50 BKN	20			139	67	58	16	08		994	/FEW MDT CU N / 60700	AD
													1800 61	
SA	1054	20 SCT 35 SCT E 50 BKN	25			142	71	56	12	05		995	/FEW MDT CU NW-NE	AD
SA	1150	25 SCT E 50 OVC	25			142	70	57	17	09		995	/FEW B NOVC MDT CU W-NE	AD
SA	1250	25 SCT E 50 OVC	25			139	70	57	18	07		994	/FEW B NOVC MDT CU W-NE	AD
													/000 18 00	
SA	1349	25 SCT E 45 BKN	30			139	71	56	18	09		994		ML
SA	1449	20 SCT E 45 BKN	35			139	70	58	18	10		994		ML
SA	1550	20 SCT E 45 BKN	35			135	70	58	21	10		993	1703 1800 72	RMS
SA	1650	20 SCT E 45 BKN	35			132	69	59	19	12		992		RMS
SA	1752	20 SCT 45 SCT	35			139	67	57	18	10		994		RMS
SA	1849	20 SCT 45 SCT	40			135	67	57	19	08		993	/ 500 TR 1500	RMS
SA	1947	20 SCT E 45 BKN	40			139	66	56	16	07		994	/SCT CEILY BKN	RMS
SA	2048	M 3 4 BKN 450 VC	25			146	66	57	31	06		996		RMS
SA	2151	25 SCT E 40 BKN	25			149	65	58	24	03		997	/SCT CEILY BKN / 112	RMS
													1500 72	
SA	2247	25 SCT 40 SCT	20			152	64	54	16	06		998	/ LAST	RMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRRt_R 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

*U.S.GPO:1983-0-684-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 17 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMID. (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUBMISSION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUBMISSION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. PRESS. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)	
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
00																									00 01
01																									01 02
02																									02 03
03																									03 04
04 53	29.930				10															10					04 05
05 50	29.870				10															10				T	05 06
06 50	29.850				10	3	STFRA	5	6	SC	M15	9	1	SC	25	10				10	1	.025		T	06 07
07 50	29.895				10															10				T	07 08
08 51	29.900				10															10				T	08 09
09 55	29.900				9	1	SC	15	2	CU	20	3	6	SC	E50	9	3	SC	50	9	1	.020			09 10
10 54	29.905				8															8					10 11
11 50	29.910				10															10					11 12
12 50	29.900				10	1	CU	25	10	SC	E50	10								10	0	.000			12 13
13 49	29.895				7															6					13 14
14 49	29.895				6															5					14 15
15 50	29.890				7	3	CU	20	4	SC	E45	7								5	7	.010			15 16
16 50	29.890				7															7					16 17
17 52	29.895				3															3					17 18
18 49	29.890				3	3	SC	20	0	SC	45	3								3	5	.000			18 19
19 47	29.900				8															7					19 20
20 46	29.920				10															10					20 21
21 51	29.925				7	5	SC	25	2	SC	E40	7								7	1	.035			21 22
22 47	29.935				2															2					22 23
23																									23 24

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.							ROL. TEMP.			
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58		
	2300 MST 0448	X	T	0	X	64	61	X	X						X				
	0448	1	T	0	0	64	61												
	0949	2	T	0	0	68	61												
	1545	3	0	0	0	72	67												
	2147	4	0	0	0	70	65												
	2300 MST	X	0	0	0	66	64	X	X						X				

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)		0950	1546	2149
ATT. THERM.				
OBSERVED BAR.				
TOTAL CORR.				
STA. PRESS.		29.900	29.870	29.925
BAROGRAPH		29.900	29.890	29.920
BAR. CORR.		0	0	T.005

SUMMARY OF DAY (0300P TO 0300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Est.)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
72	61	T	0	0	15	5	1214					8			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
02	03	04	05	06	07
L-	CONT	UNKN			
L-	0555	0618			
RW-	0712	0805			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0600P ⊕1 Sec./ 1000P ⊕1 Sec./ 1630P ⊕2 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆U.S.GPO 1983-0-784-008/8088

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 18 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles: PREVAILING	VISIBILITY Miles: TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. MBS	TEMP °F	DEW PT °F	WIND: DIRECTION 00-36	WIND: SPEED Kts.	WIND: CHART METERS	ALTIMETER SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER INITIALS
SA	0447	20 SCT	30			156	62	58	12	04		999	/ TCU SW-NW / 62	RW
SA	0554	20 SCT	30			159	63	58	12	03		000	/ MDT CU S-W-N	RW
SA	0651	22 SCT	30			163	68	58	12	04		001	/ MDT CU SW-NW / 210	RW
													1200	
SA	0755	E30 BKN	30			166	70	56	07	05		X02	/ MDT CU ALQDS AND QMD	RW
SA	0852	E30 BKN	30			163	68	53	20	08		001	/ MDT CU ALQDS XCP S	RW
SA	0950	30 SCT	25			163	72	54	27	05		001	/ 000 1100 62	RW
SA	1053	30 SCT	25			159	73	55	17	10		000		RW
SA	1148	30 SCT	25			156	73	54	19	10		999		RW
SA	1249	30 SCT	25			152	74	54	18	12		998	/ 710 1500	RW
SA	1349	CLR	20			149	75	53	19	14		997	/ FEW SC	RW
SA	1449	CLR	20			142	76	51	18	12		995		RW
SA	1552	CLR	20			135	74	56	27	13		993	/ FEW CU / 717 1100 77	AD
SA	1648	CLR	20			135	72	55	28	10		993	/ FEW CU N-NE	AD
SA	1748	CLR	20			135	71	55	28	10		993		AD
SA	1849	CLR	20			135	68	56	28	10		993	/ FEW SC DSNT W / 500	AD
													1500	
SA	1950	CLR	15			135	66	58	29	09		993		AD
SA	2049	CLR	14			142	65	57	28	07		995		AD
SA	2150	CLR	14			142	64	56	28	07		995	/ 307 77	AD
SA	2247	CLR	14			142	63	56	30	05		995	/ LAST	AD

A remarks observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Ndddff $1s_n$TTT $2s_n$TdTdTd $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRRt_R 7wwW_1W_2 $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

☆U.S.GPO:1983-0-684-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 18 1987 87

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	PRESSURE CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
00																								
01																								
02																								
03																								
04	47	29.950				3															3				
05	54	29.960				3															3				
06	51	29.970				2	2	CU	22												2	2	.030		
07	55	29.980				6															6				
08	52	29.970				7															7				
09	50	29.970				3	3	CU	30												3	0	.000		
10	53	29.960				4															4				
11	48	29.950				2															2				
12	49	29.940				1	1	SC	30												1	7	.030		
13	49	29.930				0															0				
14	49	29.910				0															0				
15	52	29.890				0	0	CU	30												0	7	.050		
16	48	29.870				0															0				
17	48	29.855				0															0				
18	49	29.890				0	0	SC	30												0	5	.000		
19	50	29.870				0															0				
20	49	29.905				0															0				
21	50	29.910				0															0	3	.020		
22	47	29.916				0															0				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GROUND							SOIL TEMP.			
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58		
	2300 TO 0444	X	0	0	X	64	62	X	X							X			
	0444	1	0	0	0	66	62												
	0948	2	0	0	0	73	62												
	1547	3	0	0	0	77	72												
	2147	4	0	0	0	74	64												
	2300	X	0	0	0	64	63	X	X							X			

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59		0949	1548	2148
ATT. THERM. 60				
OBSERVED BAR. 61				
TOTAL CORR. 62				
STA. PRESS. 63		29.970	29.880	29.916
BAROGRAPH 64		28.965	29.02	29.010
BAR. CORR. 65		+.005	-.010	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Kts.)	PEAK WIND: DIRECTION	PEAK WIND: TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER: TOP	FROZEN GROUND LAYER: BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
77	62	0	0	0	18	W	1532 1/					2			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	86	87

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) DURATION OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P @2 Sec./1000P @2 Sec./1600P @2 Sec.

1/ LAST of SEVERAL OCCURRENCES

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-62) WHICH MAY BE USED

MF1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)

SURFACE WEATHER OBSERVATIONS

DATE JUL 19 1987 87

TO CONVERT LST TO GMT ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles: SURFACE	VISIBILITY Miles: TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS.	TEMP °F	DEW PT °F	WIND DIRECTION	WIND SPEED	WIND GUSTS	ALTIMETER SETTING	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
	2	3	4a	4b	5	6	7	8	9	10	11	12	13	14
SA	0447	CLR	15			139	59	55	00	00		994	/ 57	KW
SA	0555	CLR	12			139	60	55	00	00		994	/ FEW SC	KW
SA	0653	CLR	10			142	66	55	00	00		995	/ FEW SC / 307 1500	KW
SA	0751	CLR	15			142	70	56	14	03		995	/ FEW SC CI	KW
SA	0848	CLR	15			142	73	57	21	04		995	/ FEW CU CI	KW
SA	0950	CLR	15			146	73	56	19	08		996	/ FEW CU / 303 [illegible] 57	KW
SA	1052	CLR	15			142	74	56	18	07		995	/ FEW CU W AC NE	KW
													WND 12V22	
SA	1154	CLR	15			139	75	56	18	10		994	/ FEW AC NW	KW
SA	1249	CLR	15			135	78	51	17	07		993	/ AC W-N / 710 1030	KW
SA	1351	CLR	15			129	81	50	20	07		991	/ AC CI W-N	KW
SA	1449	CLR	20			122	82	48	21	10		989	/ ACSL N CI W-N	KW
SA	1553	CLR	20			115	79	54	26	12		987	/ ACSL N CI W-N /	AD
													T20 1042 82	
SA	1649	CLR	20			112	75	52	27	11		986	/ ACSL W-N FEW CI	AD
SA	1749	CLR	20			112	73	53	27	10		986	/ ACSL W-NE FEW SC DSLTW	AD
SA	1850	180 SCT	20			119	68	58	28	11		988	/ ACSL W-NE / 303 1840	AD
SA	1950	180 SCT	20			119	66	57	27	08		988	/ ACSL SW-N	AD
SA	2048	180 SCT	15			125	64	58	28	07		990	/ ACSL W-N	AD
SA	2152	180 SCT	15			129	64	58	30	04		991	/ 108 10708 2	AD
SA	2248	CLR	14			129	63	58	28	36		991	/ LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

☆U.S.GPO 1983-0-684-008/6010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 19 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
00																								
01																								
02																								
03																								
04 47	29.900				0																			
05 52	29.900				0															0				
06 53	29.910				0	0	SC	18												0				
07 51	29.910				0															0	3	.020		
08 48	29.910				0															0				
09 50	29.920				0	0	CU	25												0				
10 52	29.910				0															0	3	.010		
11 54	29.900				0															0				
12 49	29.890				0	0	AC	180												0				
13 51	29.870				0															0	7	.030		
14 49	29.850				0															0				
15 53	29.830				0	0	ACSL	180	0	CI	250	0								0				
16 49	29.820				0															0	7	.060		
17 49	29.820				0															0				
18 50	29.840				1	1	ACSL	180												0				
19 50	29.840				1															1	3	.010		
20 48	29.860				1															1				
21 52	29.865				1	1	AC	180												1				
22 48	29.870				0															1	1	.025		
23																				0				

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF GROUND	SOIL TEMP.	
	2300 TO 0444	X	0	0	X	64	57	X	X	X
	0444	1	0	0	0	64	57			
	0948	2	0	0	0	73	57			
	1549	3	0	0	0	82	72			
	2149	4	0	0	0	79	64			
	2300	X	0	0	0	64	63	X	X	X

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)		0949	1552	2150
ATT. THERM.				
OBSVD. BAR.				
TOTAL CORR.				
EVA. PRESS.		29.920	29.830	29.865
BAROGRAPH		29.920	29.846	29.870
BAR. CORR.		0	-.010	-.005

SUMMARY OF DAY (BEGINNING TO BEGINNING) (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Knots)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.) 1/	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)	
82	57	0	0	0	16	W	1622					0			

1/ LAST of SEVERAL OCCURRENCES

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED

REMARKS, NOTES AND MISCELLANEOUS WEATHER DATA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST 1/4-MI. WIND ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P @ 1 Sec. / 1000P @ 1 Sec. / 1600P @ 1 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-62) WHICH MAY BE USED. ☆ U.S. GPO 1983-0-784-008/6089

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 20 1987

TO CONVERT LST TO GMT: ADD 8 HRS. SUBTRACT ____ HRS.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mb)	TEMP °F	DEW PT °F	WIND DIRECTION (from 000-36)	WIND SPEED (MPH)	WIND CHARACTER	ALTIMETER SETTING (Ins)	REMARKS AND SUPPLEMENTAL CODED DATA	QUALITY CONTROL
SA	0447	E100 BKN 250 BKN	30			125	60	56	00	00		990	/SC S ACCAS NE/ 59	ZW
SA	0552	E110 BKN	30			125	62	57	08	03		990	/FEW SC S	ZW
SA	0653	E100 BKN	25			132	64	58	13	03		992	/ACCAS SW-NW-N V.RC-A SE/ 310 1080	ZW
SA	0751	E90 OVC	15			135	66	58	14	05		993	/ACCAS OVHD V.RC-A NE AND S	ZW
SA	0848	M05 BKN 90 OVC	15		RW-	139	65	60	18	05		994	/RB05	ZW
SA	0950	E70 BKN 90 OVC	12			139	66	61	08	05		994	/RE40 RWY N-E AND S-SW/ 10705 107/ 59	ZW
SA	1051	E70 BKN 90 BKN	12			139	69	61	19	08		994	/RB00E27 FEW SC W RWY N AND E-S	ZW
SA	1154	E70 BKN	15			135	70	59	20	08		993	/FEW SC SW RWY CONT NE-E	ZW
SA	1249	E80 BKN	15			132	72	56	17	08		992	/FEW SC S/ 80700 1570	ZW
SA	1349	E80 BKN	20			129	75	50	21	07		991		ZW
SA	1449	E80 BKN	20			125	76	48	18	09		990		ZW
SA	1552	80 SCT	25			122	72	52	21	12		989	/71000 1076 76	AMS
SA	1656	80 SCT	25			122	72	52	19	09		989		AMS
SA	1743	CLR	25			122	72	52	22	05		989	/FEW AC	AMS
SA	1850	80 SCT	25			125	69	55	27	07		990	/303 1070	AMS
SA	1949	CLR	25			132	66	58	28	07		992	/FEW AC SCU	AMS
SA	2046	80 SCT	20			135	64	57	28	08		993		AMS
SA	2150	80 SCT	20			135	63	56	29	07		993	/008 1070 76	AMS
SA	2247	80 SCT	20			135	63	56	26	06		993	/LAST	AMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iR$_i$$_x$hVV Nddff 1s$_n$TTT 2s$_nT_dT_dT_d$ 3P$_o$P$_o$P$_o$P$_o$ 4PPPP 5appp 6RRRt$_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

☆U.S.GPO:1983-0-884-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 20 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB	WET BULB	REL HUMIDITY	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUBSTATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUBSTATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Tens)	PRECIPITATION (Ins.)	HR.
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	X	Y	36	37	38	
00																									00
01																									01
02																									02
03																									03
04 47	29.860				8																				04
05 52	29.860				8															6					05
06 53	29.880				8															8					06
07 51	29.890				10	8	ACCAS	E100												8	3	.030			07
08 48	29.900				10															10					08
09 50	29.900				10															10				.01	09
10 51	29.900				9	6	AC	E70	4	AC	90	10								10	1	.020		.64	10
11 54	29.890				9															9				T	11
12 49	29.880				9															9					12
13 49	29.870				7	0	SC	20	9	AC	E80	9								9	8	.020			13
14 49	29.860				8															6					14
15 52	29.850				1	1	AC	80												7					15
16 52	29.875				1															1	7	.030			16
17 53	29.850				0															1					17
18 50	29.860				1	1	AC	80												0					18
19 49	29.875				0															1	3	.010			19
20 46	29.890				1															0					20
21 50	29.885				1	1	AC	80												1					21
22 47	29.870				2															1	0	.025			22
23																				2					23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.			
A1	2300 TO 0444	X	0	0	X	63	59	X	X						X			
	0444	1	0	0	0	64	59											
	0948	2	.05	0	0	67	60											
	1547	3	T	0	0	76	66											
	2145	4	0	0	0	72	63											
	2300	X	0	0	0	63	63	X	X						X			

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59	0949	1548	2146
ATT. THERM. 60			
CORRECTION 61			
TOTAL CORR. 62			
STA. PRESS. 63	29.900	29.850	29.885
BAROGRAPH 64	29.900	29.855	29.890
BAR. CORR. 65	0	-.005	-.005

SUMMARY OF DAY (MIDNIGHT-TO-MIDNIGHT) 2300 P - 2300 P

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Est.)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICK. MEAS. OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
76	59	.05	0	0	18	5	1540					7			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
02	03	04	05	07	08
RW-	0805	0911			
RW	0918	0923			
RW-	0923	0940			
RW-	1000	1027			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST HOUR ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P @ 1 Sec. / 1000P @ 1 Sec. / 1536P @ 1 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆U.S.GPO 1983-0-784-008/6089

MF 1-10A
5-831

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 2 1 1987

TO CONVERT LST TO GMT: ADD 8 HRS. SUBTRACT ____ HRS.

TYPE	TIME (LST)	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles: PREVAILING	VISIBILITY Miles: TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS.	TEMP	DEW PT	WIND DIRECTION	WIND SPEED	WIND CHARACTER	ALTIMETER SETTING	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER
	2	3	4I	4O	7	8	9	10	11	12		13	18	19I
SA	0449	25 SC—	20			142	63	55	21	05		995	/ 62 20005	ML
SA	0549	25 SCT	20			149	63	54	22	04		997	/ FEW CUR CU	ML
SP	0611	M1.9 BKN	20						23	05		998		ML
SA	0650	M2.0 BKN	20			156	64	54	23	06		999	/ 220 1500	ML
SA	0749	20 SCT M25 BKN	20			159	66	53	24	03		000		ML
SP	0821	20 SCT 28 SCT	20						15	03		001		ML
SA	0850	22 SCT 28 SCT	20			163	69	55	20	06		001		ML
SA	0950	25 SCT	25			166	70	54	19	07		002	/ 210 1100 62	ML
SA	1049	30 SCT	30			173	70	53	18	10		004		ML
SA	1149	30 SCT	35			169	71	53	18	12		003		ML
SA	1250	X CLR	35			166	73	51	17	09		002	/ FEW CU / SC2 1100	ML
SA	1352	CLR	35			159	74	50	19	09		000	/ FEW CU	RMS
SA	1453	CLR	35			152	76	53	29	13		999	/ FEW CU	RMS
SA	1562	CLR	35			146	74	50	26	14		996	/ 719 77	RMS
SA	1648	CLR	40			146	72	53	26	13		996		RMS
SA	1746	CLR	40			146	70	52	26	13		996		RMS
SA	1849	CLR	45			149	68	55	28	09		997	/ SC W MNTNS / 305 / SC	RMS
SA	1947	CLR	45			152	67	55	26	10		998		RMS
SA	2050	CLR	40			152	66	57	28	07		998		RMS
SA	2148	CLR	40			156	65	57	25	09		999	/ 307 77	RMS
SA	2248	CLR	40			156	64	57	26	07		999	/ LAST	RMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iR$_i$x$_s$hVV Nddff 1s$_n$TTT 2s$_n$T$_d$T$_d$T$_d$ 3P$_o$P$_o$P$_o$P$_o$ 4PPPP 5appp 6RRRt$_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

☆U.S.GPO:1983-0-684-008/6010

MF1-10B
10-83

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 2 1 1987

To convert LST to GMT ADD 7 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMID (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Tens.)	PRECIPITATION (Ins.)
00																								
01																								
02																								
03																								
04 MC	29.910				4															4				
01-4	29.930				5															5				
06 50	29.950				9	9	SC	1,121												9	2	CCC		
07 49	29.960				7															7				
08 50	29.970				4															4				
09 50	29.980				2	2	CU	25												2	2	C30		
10 49	29.995				1															1				
11 49	29.990				1															1				
12 50	29.975				0	0	CU	30												0	8	CCC		
13 52	29.955				0															0				
14 53	29.940				0															0				
15 52	29.926				0															0	7	.055		
16 48	29.926				0															0				
17 46	29.920				0															0				
18 49	29.930				0	0	SC	15												0	3	.090		
19 47	29.935				0															0				
20 50	29.940				0															0				
21 48	29.960				0															0	3	.020		
22 48	29.950				0															0				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF GROUND	SOIL TEMP.	STATION PRESSURE COMPUTATIONS			
	2300 TO 0747	X	0	0	X	64	62	X	X	TIME (L.S.T.)	0945	1546	2146
	0747	1	0	0	0	64	62			ATT. THERM.			
	0947	2	0	0	0	70	62			CORRN. SAL.			
	1545	3	0	0	0	77	70			TOTAL CORR.			
	2145	4	0	0	0	74	65			STA. PRESS.	29.98	29.920	29.950
	2300	X	0	0	0	65	64	X	X	BAROGRAPH	29.980	29.925	29.940
									X	BAR. CORR.	0	-.005	+.010

SUMMARY OF DAY (OBSERVATIONS) 2300 P - 2300 P

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Knots)	PEAK WIND: DIRECTION	PEAK WIND: TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.): TOP	FROZEN GROUND LAYER (Ins.): BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)	
77	62	0	0	0	22	W	1517					2			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED

A. EVAPORATION, WIND AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.)	PERCENT OF POSSIBLE SUNSHINE	CHARACTER OF SUNRISE	CHARACTER OF SUNSET
FASTEST OBSERVED MILE: DIR.	SPD. OR FASTEST MILE	SPD.	ASSOCIATED DIRECTION	TIME

TIME CHECK - CLOCK AT: 0750 P @ 1 Sec. 1040 P @ 1 Sec. 1534 P @ 2 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. * U.S. GPO: 1983-0-784-008/6089

MF1-10A
5-831

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 22 1987 87

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles: SURFACE	VISIBILITY Miles: TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS.	TEMP °F	DEW PT °F	WIND: DIR. FROM (00=N)	WIND: SPEED Kts	WIND: CHARACTER OF WIND	ALTIMETER SETTING In.	REMARKS AND SUPPLEMENTAL CODED DATA	QUALITY CONTROL
	1	3	4a	4b	4	5	6	8	9	10	11	12	13a	13b
SA	0454	M 2 BKN	20			159	62	57	14	05		000	/ EC	ML
SA	0550	M 9 BKN	30			166	63	57	08	04		002	/ TOPS 025	ML
SA	0650	M 19 BKN	30			169	65	58	09	05		003	/ 3 1/2 1500	ML
SA	0744	M 18 BKN	20			169	68	58	04	03		003		ML
SA	0841	20 SCT	15						23	05		002	/ SCT V BKN	ML
SA	0850	23 SCT	15			166	72	57	22	05		002		ML
SA	0950	30 SCT	15			166	71	58	19	09		002	/ 603 1500 6C	ML
SA	1049	CLR	15			166	72	58	19	09		002	/ FEW SC	ML
SA	1149	CLR	20			166	73	57	19	12		002	/ FEW SC	ML
SA	1249	CLR	20			159	73	56	20	12		000	/ CU NE / SC8 1100	ML
SA	1352	CLR	25			149	74	57	18	13		997	/ SC SW-W HRZN	AMS
SA	1455	CLR	25			142	76	53	17	10		995	/ SC W HRZN	AMS
SA	1551	CLR	30			139	76	56	28	10		994	/ SC W HRZN / 619 1500 77	AMS
SA	1647	CLR	30			139	74	57	26	11		994	/ SC W HRZN	AMS
SA	1746	CLR	40			135	72	56	29	12		993	/ SC W HRZN	AMS
SA	1847	CLR	35			135	68	56	27	09		993	/ 603	AMS
SA	1946	CLR	30			139	66	54	27	07		994		AMS
SA	2044	CLR	25			142	66	59	30	07		995		AMS
SA	2150	CLR	20			142	65	57	31	05		995	/ 107 77	AMS
SA	2247	CLR	15			142	66	57	25	09		995	/ LAST	AMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iR$_i$x$_s$hVV Nddff 1s$_n$TTT 2s$_n$T$_d$T$_d$T$_d$ 3P$_o$P$_o$P$_o$P$_o$ 4PPPP 5appp 6RRRt$_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

•U.S.GPO:1983-0-684-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 22 1987

To convert LST to GMT ADD 7 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)	
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
00																									00
01																									01
02																									02
03																									03
04	29.96C				9															9					04
05	29.97S				7															7					05
06	29.99C				9	9	SC	M19												9	3	.035			06
07	29.99C				9															9					07
08	29.98C				4															4					08
09	29.98C				1	1	SC	30												1	6	.010			09
10	29.98C				0															0					10
11	29.98C				0															0					11
12	29.95S				0	0	CU	30												0	8	.025			12
13	29.93S				0															0					13
14	29.91C				0															0					14
15	29.90C				0	C	SC	15												0	6	.055			15
16	29.87S				0															0					16
17	29.84S				0															0					17
18	29.88C				0															0	6	.010			18
19	29.90C				0															0					19
20	29.91C				0															0					20
21	29.91C				0															0	1	.020			21
22	29.91C				0															0					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (GMT)	TIME (LST)	NO.	PRECIP. (Ins.)	SNOW FALL (Tnds.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.							SOIL TEMP.			STATION PRESSURE COMPUTATIONS			
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58					
	2400 TO 0447	X	C	C	X	64	60	X	X						X			TIME (L.S.T.) 59		0949	1546	2146
	0447	1	0	0	0	65	60											ATT. THERM. 60				
	0947	2	0	0	0	73	62											CORRECTION 61				
	1545	3	0	0	0	77	71											TOTAL CORR. 62				
	2145	4	C	0	C	76	65											STA. PRESS. 63		29.98	29.90	29.96
	2400 TO 2400	X	0	C	0	65	65	X	X						X			BAROGRAPH 64		29.98	29.95	29.96
																		BAR. CORR. 65		0	-.05	0

SUMMARY OF DAY (MIDNIGHT-TO-MIDNIGHT) 2300 P - 2300 P

DAILY MAX. TEMP. (°F)	DAILY MIN. TEMP. (°F)	DAILY PRECIP. OR WATER EQUIV. (Ins.)	DAILY SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Esc.)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER DAILY SUNRISE TO SUNSET	SKY COVER DAILY MIDNIGHT TO MIDNIGHT	GAGE EQUIV. (Ins.)		
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	
77	60	0	C	0	17	W	1756					2				

REMARKS, NOTICES AND RECORDS (EXPLAIN ALL PHENOMENA)

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ MPH ____ DIR. ____ FASTEST HOURLY ____ MPH ____ AGGREGATE DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0300P @2 Sec. / 1000P @2 Sec. / 1546P @2 Sec.

1 - Last of several occurrences

SP=

RS=

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
92	93	94	95	97	98

MF1-10B (10-83) SUPERSEDES MF1-10B (1-62) WHICH MAY BE USED. ★U.S.GPO 1983-0-784-008/6089

MF 1-10A
15-831

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 23 1987 87

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mb)	TEMP (°F)	DEW PT (°F)	WIND DIRECTION (00-36)	WIND SPEED (Kts.)	WIND CHARACTER	ALTIMETER SETTING (In.)	REMARKS AND SUPPLEMENTAL CODED DATA	STATION IDENTIFICATION
1	2	3	4	5	6	7	8	9	10	11	12	13	
SA	0447	CLR	15			135	61	58	13	03		993	/ 59	BKW
SA	0552	14 SCT	15			135	62	58	15	03		993	/SC INCRG	BKW
SP	0631	E-4 BKN	15						12	03		993	/BKN V SCT	BKW
SA	0651	E-7 BKN	12			135	65	59	17	07		993	/BKN V SCT / 102 1500	BKW
SP	0717	E-5 BKN	10						12	06		994	/BKN V SCT	BKW
SP	0736	17 SCT	10						15	06		994	/SCT V BKN	BKW
SA	0753	17 SCT	10			139	67	59	15	08		994	/WND 12V19	BKW
SA	0851	18 SCT	10			135	70	60	13	08		993		BKW
SA	0950	CLR	10			135	71	60	15	09		993	/ 000 59	BKW
SA	1054	CLR	12			132	73	60	16	11		992	/FEW SC SE	BKW
SA	1148	CLR	15			132	74	58	16	11		992		BKW
SA	1249	CLR	20			125	80	58	24	09		990	/WND VRV29/ 810	BKW
SA	1348	CLR	20			119	81	55	26	11		988		ML
SA	1448	CLR	20			115	79	56	27	08		987	/CI E-S	ML
SA	1547	CLR	20			108	77	56	28	09		985	/CI NE-EHRZN/1747 1002 81	RMS
SA	1649	CLR	25			108	75	57	25	09		985		RMS
SA	1751	250 SCT	20			108	72	56	27	09		985		RMS
SA	1854	250 SCT	35			108	69	57	29	10		985	/500 1002	RMS
SA	1946	CLR	30			112	68	57	30	09		986		RMS
SA	2051	CLR	30			115	66	56	30	07		987		RMS
SA	2150	CLR	30			115	66	57	29	07		987	/107 81	RMS
SA	2247	CLR	30			115	65	57	30	07		987	/LAST	RMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iR$_i$$_x$hVV Nddff 1s$_n$TTT 2s$_nT_dT_dT_d$ 3P$_o$P$_o$P$_o$P$_o$ 4PPPP Sappp 6RRRt$_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (11-83) WHICH MAY BE USED.

☆U.S.GPO:1983-0-684-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

7-23

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JULY [illegible] 87

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESS. (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMID. (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	PRESSURE CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								
01																								
02																								
03																								
04 47	29.890				0															0				
05 52	29.890				4															4				
06 51	29.890				6	6	SC	E14												6	1	.005		
07 53	29.900				4															4				
08 51	29.890				1															1				
09 50	29.870				0															0	0	.000		
10 54	29.880				0															0				
11 48	29.880				0															0				
12 49	29.860				0															2	8	.030		
13 46	29.840				0															0				
14 46	29.825				0															0				
15 47	29.830				0	0	CI	250												0	7	.050		
16 49	29.805				0															0				
17 51	29.810				1															1				
18 54	29.810				1	1	CI	250												1	5	.000		
19 46	29.820				0															0				
20 51	29.830				0															0				
21 50	29.830				0															0	1	.020		
22 47	29.825				0															0				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.			
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	
	2300 TO 0444	X	0	0	X	65	59	X	X						X			
	0444	1	0	0	0	65	59											
	0748	2	0	0	0	72	60											
	1545	3	0	0	0	81	71											
	2145	4	0	0	0	77	66											
	2300	X	0	0	0	66	65	X	X						X			

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)		0749	1546	2146
ATT. THERM.				
OBSVN. CORR.				
TOTAL CORR.				
EVA. PRESS.		29.890	29.810	29.830
BAROGRAPH		29.900	29.820	29.830
BAR. CORR.		-.010	-.010	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNREL. TO (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Knots)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO MIDNIGHT	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
81	59	0	0	0	14	W	1819					1			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	86	87

SUNRISE/SUNSET DATA AND REMARKS

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED & DIR. M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0500P 03 Sec. / 1000P 02 Sec. / 2130P 02 Sec.

1 - LAST OF SEVERAL OCCURRENCES

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆ U.S.GPO 1983-0-784-008/6088

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 24 1987

TO CONVERT LST TO GMT ADD 8 HRS SUBTRACT ____ HRS

TYPE (1)	TIME (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles: SURFACE (4a)	VISIBILITY Miles: TOWER (4b)	WEATHER AND OBSTRUCTIONS TO VISION (4c)	SEA LEVEL PRESS. MBS (5)	TEMP °F (6)	DEW PT °F (8)	WIND: DIRECTION 100's DEG (9)	WIND: SPEED KTS (10)	WIND: CHARACTER (11)	ALTIMETER SETTING INS. (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER'S INITIALS (14)
SA	0449	250-SCT	12			112	61	57	01	04		986	/6C	ML
SA	0549	250-SCT	10			115	61	56	01	03		987	/SC S	ML
SA	0650	12SCT 250SCT	10			119	65	58	05	03		988	/307 1502	ML
SA	0749	CLR	10			122	67	59	14	05		989	/FEW SC CI	ML
SA	0849	CLR	10			122	73	59	14	03		989	/FEW CI	ML
SA	0950	CLR	10			122	71	60	19	07		989	/FEW CI/003 1002 60	ML
SA	1050	250 SCT	11			122	72	60	18	12		989		ML
SA	1149	250SCT	12			122	72	60	20	11		989		ML
SA	1249	250SCT	12			115	73	60	18	11		987	/805 1002	ML
SA	1354	250 SCT	12			112	77	60	16	10		986		JKW
SP	1413	250 SCT	14						27	07		985	/WSHFT 09 WND 18V30	JKW
SA	1455	250 SCT	14			105	79	61	30	08		984	/FEW SC DSNT SW	JKW
SA	1550	250 SCT	15			105	77	60	28	09		984	/SC DSNT SW-W/ 610	JKW
													1502 80	
SA	1648	250 SCT	15			102	74	59	27	09		983	/WND 23V30	JKW
SA	1751	250 SCT	14			102	73	59	29	07		983	/FEW AC N	JKW
SA	1855	250 SCT	15			105	69	59	30	11		984	/FEW AC N/ 500 1072	JKW
SA	1947	CLR	15			105	67	58	30	10		984	/FEW AC CI W-N	JKW
SA	2053	CLR	12			112	66	58	28	06		986		JKW
SA	2150	CLR	12			112	65	59	30	06		986	/ 107 80	JKW
SA	2252	CLR	12			112	65	59	14	06		986	/LAST	JKW

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP Sappp 6RRRt_R 7wwW_1W_2 $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

*U.S.GPO:1983-0-684-009/6010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS 7-24

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 24 1987 87

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Tenths)	PRECIPITATION (Ins.)	
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
00																									00
01																									01
02																									02
03																									03
04 45	29.820				1															0					04
05 49	29.820				1															0					05
06 50	29.840				2	1	SC	12	1	CI	250	2								2	3	.020			06
07 49	29.850				0															0					07
08 47	29.845				0															0					08
09 50	29.845				0	0	CI	250												0	0	.005			09
10 50	29.850				1															1					10
11 49	29.845				1															1					11
12 49	29.830				1	1	CI	250												1	8	.015			12
13 54	29.820				1															1					13
14 55	29.800				2															2					14
15 50	29.800				2	0	SC	13	2	CI	250	2								2	6	.030			15
16 48	29.790				1															1					16
17 51	29.790				1															1					17
18 55	29.800				1	0	AC	180	1	CI	250	1								1	5	.000			18
19 47	29.800				0															0					19
20 53	29.820				0															0					20
21 50	29.820				0															0	1	.020			21
22 52	29.820				0															0					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.) 23pc	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.			
41		43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	
	0000 TO 0447	X	0	0	X	65	60	X	X						X			
	0447	1	0	0	0	66	60											
	0947	2	0	0	0	73	60											
	1548	3	0	0	0	80	71											
	2148	4	0	0	0	77	65											
	2300 TO END	X	0	0	0	65	64	X	X						X			

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59	0949	1549	2149
ATT. THERM. 60			
CORR'N. (Ins.) 61			
TOTAL CORR. 62			
STA. PRESS. 63	29.845	29.800	29.820
BAROGRAPH 64	29.845	29.810	29.820
BAR. CORR. 65	0	-.010	0

SUMMARY OF DAY (OBSERVATIONS/TEMPERATURES) 2300P 2300P

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNREL TO (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Etc.)	PEAK WIND: DIRECTION	PEAK WIND: TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.): TOP	FROZEN GROUND LAYER (Ins.): BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: SUNSET TO MIDNIGHT	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
80	60	0	0	0	18	5	1233					1			

REMARKS (OTHER AND MISCELLANEOUS PHENOMENA)

TIME: SUNRISE SUNSET

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST 5-MIN. SPEED ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P @ 2 Sec. / 1000P @ 3 Sec. / 1600P @ 2 Sec.

SP=

RS=

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	86	87	88

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆U.S. GPO 1983-0-764-006/6088

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 25 1987

TO CONVERT LST TO GMT: ADD 8 hrs SUBTRACT ____ hrs

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (MB)	TEMP (°F)	DEW PT (°F)	WIND DIRECTION (10's deg)	WIND SPEED (Kts)	WIND CHARACTER	ALTIMETER SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
	1	2	3	4a	4b	5	6	7	8	9	10	11	12	13
SA	0459	11 SCT	7			108	60	54	00	00		995	/60	RMS
SA	0547	12 SCT	8			112	62	59	05	04		996		RMS
SA	0658	12 SCT	8			115	66	60	00	00		997	/307 1500	RMS
SA	0748	12 SCT	8			119	69	60	11	04		998		RMS
SA	0850	CLR	8			119	71	60	17	06		998		RMS
SA	0953	CLR	12			119	73	60	16	07		998	/103 60	RMS
SA	1052	CLR	12			115	73	60	18	09		997		RMS
SA	1153	CLR	12			115	73	60	17	10		997		RMS
SA	1246	CLR	10			106	74	60	21	11		995	/810	RMS
SA	1351	CLR	10			105	75	61	20	10		994		BKW
SA	1449	CLR	15			102	75	62	18	12		993		BKW
SA	1550	CLR	15			098	76	62	16	10		992	/ 710 76	BKW
SP	1636	CLR	20						30	07		991	/WSHFT 33 WND 10V34	BKW
SA	1654	CLR	20			095	79	58	27	08		991	/WND 23V31	BKW
SA	1748	CLR	20			095	75	60	28	09		991		BKW
SA	1855	CLR	25			098	70	60	30	05		992	/ 500	BKW
SA	1952	CLR	25			098	69	60	28	05		992		BKW
SA	2047	CLR	15			102	68	59	00	00		993		BKW
SA	2150	CLR	15			105	67	62	15	05		994	/ 307 79	BKW
SA	2253	CLR	12			105	66	63	15	05		994	/LAST	BKW

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

*U.S.GPO:1983-0-084-008/8010

MF1-10B
(10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE JUL 25 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

Time (L.S.T.) 16	Station pressure (ins.) 17	Dry bulb (°F) 18	Wet bulb (°F) 19	Rel. humidity (%) 20	Total sky cover 21	Lowest layer Amt 22	Lowest layer Type 23	Lowest layer Height 24	Second layer Amt 25	Second layer Type 26	Second layer Height 27	Summation total 28	Third layer Amt 29	Third layer Type 30	Third layer Height 31	Summation total 32	Fourth layer Amt 33	Fourth layer Type 34	Fourth layer Height 35	Total opaque sky cover 36	Pressure tendency 37	Net 3-hr. change (ins.) 38	Sunshine (min.) 39	Precipitation (ins.) 40	Hr.
00																									00-01
01																									01-02
02																									02-03
03																									03-04
0459	29.810				1															1					04-05
0547	29.820				2															2					05-06
0651	29.830				3	3	Sc.	12												2	3	.020			06-07
0748	29.840				3															3					07-08
0850	29.840				0															0					08-09
0953	29.840				0															0	1	.010			09-10
1052	29.830				0															0					10-11
1153	29.830				0															0					11-12
1246	29.810				0															0	8	.030			12-13
1351	29.800				0															0					13-14
1449	29.790				0															0					14-15
1550	29.780				0															0	7	.030			15-16
1654	29.770				0															0					16-17
1748	29.770				0															0					17-18
1855	29.780				0															0	5	.000			18-19
1952	29.780				0															0					19-20
2047	29.790				0															0					20-21
2150	29.800				0															0	3	.020			21-22
2253	29.800				0															0					22-23
23																									23-24

SYNOPTIC OBSERVATIONS

Time (G.M.T.) 41	Time (L.S.T.) 42	No. 43	Precip. (ins.) 44	Snow fall (ins.) 45	Snow depth (ins.) 46	Max. temp. (°F) 47	Min. temp. (°F) 48	49	State of grnd. 50	51	52	53	54	55	Soil temp. 56	57	58
	2300 [redacted] TO 0458	X	0	0	X	65	60	X	X						X		
	0458	1	0	0	0	65	60										
	0945	2	0	0	0	74	60										
	1548	3	0	0	0	76	72										
	2148	4	0	0	0	79	67										
	2300 [redacted]	X	0	0	0	67	66	X	X						X		

STATION PRESSURE COMPUTATIONS

Time (L.S.T.) 59		0946	1549	2149
Att. therm. 60				
Observed bar. 61				
Total corr. 62				
Sta. press. 63		29.840	29.780	29.800
Barograph 64		29.835	29.785	29.800
Bar. corr. 65		+.005	-.005	0

SUMMARY OF DAY [redacted] TO [redacted] (2300P TO 2300P)

24-hr. max. temp. (°F) 66	24-hr. min. temp. (°F) 67	24-hr. precip. water equiv. (ins.) 68	24-hr. snowfall unmel.to (ins.) 69	Snow depth (ins.) 70	Peak wind Speed (Kts.) 71	Peak wind Direction 72	Peak wind Time (L.S.T.) 73	Thickness of ice on water (ins.) 74	Frozen ground layer (ins.) Top 75	Frozen ground layer (ins.) Base 76	River gage 77	Sky cover Sunrise to sunset 78	Sky cover Midnight to midnight 79	Water equiv. (ins.) 80	81
79	60	0	0	0	15	SW	1234					1			

WEATHER & OBSTRUCTIONS TO VISION

Type 82	Began 83	Ended 84	Type 86	Began 87	Ended 88

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0500P @2 Sec./ 0430P @2 Sec./ 1600P @2 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆U.S.GPO 1983-0-784-006/6089

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 26 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE (1)	TIME (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles: SURFACE (4a)	VISIBILITY Miles: TOWER (4b)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. (6)	TEMP °F (7)	DEW PT °F (8)	WIND DIRECTION (00-36) (9)	WIND SPEED Kts. (10)	WIND CHARACTER (11)	ALTIMETER SETTING (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	QUALITY CONTROL INDICATOR (14)
SA	0457	M 6 C U C	8			105	63	61	13	05		984	/62	RMS
SA	0549	M 7 C U C	10			108	67	61	22	03		985	/TRW SPOTS MOVG	RMS
SP	0617	M 7 U C	10						16	03		986	/TRW SPOTS MOVG TO/SC/C	RMS
SP	0640	M 8 C U C	9						27	04		986	/BKN C	RMS
SA	0651	M 8 BKN	9			112	65	61	14	04		986	/3C5 15CC	RMS
SP	0717	9 S C T	10						13	05		986		RMS
SA	0749	C L R	9			112	70	62	11	04		986	/FEW SC	RMS
SA	0850	C L R	9			112	72	61	19	04		986		RMS
SA	0953	C L R	12			112	74	61	17	07		986	/40C 6Z	RMS
SA	1047	C L R	10			112	75	62	17	09		986		RMS
SA	1176	C L R	10			105	77	62	21	08		984		RMS
SA	1246	C L R	10			102	77	61	20	10		983	/810	RMS
SA	1353	CLR	12			098	76	62	19	12		982	/FEW CU DSNT N-NE OMTNS	RLW
SA	1451	CLR	15			091	76	63	17	11		980	/FEW CU DSNT N AND NE	RLW
													/OMTNS	
SA	1550	CLR	20			085	79	63	16	06		978	/FEW ST W CU DSNT NE	RLW
													/OMTNS/ 7/7 1100 79	
SP	1556	CLR	20						27	07		978	/WSHFT 2353 FEW ST	RLW
													W CU DSNT NE OMTNS	
													/WND 15V30	
SA	1647	CLR	20			085	79	59	27	10		978	/FEW ST W CU DSNT NE	RLW
													/OMTNS	
SA	1752	CLR	20			085	76	59	28	10		978		RLW
SA	1854	CLR	20			088	72	56	30	08		979	/ 303	RLW
SA	1949	CLR	20			088	71	54	30	05		979		RLW
SA	2048	CLR	20			098	70	53	31	04		982		RLW
SA	2150	CLR	10			102	68	63	15	05		983	/ 114 81	RLW
SA	2255	CLR	10			102	67	62	13	04		983	/LAST	RLW

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_n$TTT $2s_n$TdTdTd $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRRt_R 7wwW_1W_2 8$N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-63) WHICH MAY BE USED.

☆U.S.GPO:1983-0-684-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 26 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUB-MA-TION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUB-MA-TION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Min.)	PRECIPITATION (Ins.)	HR.
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
00																									00
01																									01
02																									02
03																									03
04	57	29.79				10														10					04
05	49	29.80				10														10					05
06	51	29.82				7	7	SC	M8											5	3	.015			06
07	49	29.82				0														0					07
08	50	29.82				0														0					08
09	53	29.82				0														0	4	.000			09
10	47	29.82				0														0					10
11	46	29.80				0														0					11
12	46	29.79				0														0					12
13	53	29.78				0														0	8	.030			13
14	51	29.76				0														0					14
15	50	29.74				0	0	ST	10	0	CU	60	0							0	7	.050			15
16	47	29.74				0														0					16
17	52	29.74				0														0					17
18	54	29.75				0														0	3	.010			18
19	49	29.75				0														0					19
20	48	29.78				0														0					20
21	50	29.79				0														0					21
22	55	29.79				0														0	1	.040			22
23																									23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.) ~360	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GROUND							SEAL TEMP.			STATION PRESSURE COMPUTATIONS
41		43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58		
	0000 TO 0455	X	0	0	X	66	62	X	X							X		TIME (L.S.T.) 59	0950 / 1549 / 2149
	0455	1	0	0	0	67	62											ATT. THERM. 60	
	0944	2	0	0	0	74	63											CORR. BAR. 61	
	1548	3	0	0	0	79	73											TOTAL CORR. 62	
	2148	4	0	0	0	81	68											AVG. PRESS. 63	29.820 / 29.740 / 29.790
	~2330	X	0	0	0	68	67	X	X							X		BAROGRAPH 64	29.825 / 29.755 / 29.790
																		CAR. CORR. 65	-.005 / -.015 / 0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNOFF. TO (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Knots)	PEAK WIND DIR.	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
81	62	0	0	0	17	5	1334					1			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED WIND SPEED AND DIR. ON FASTEST 1-MIN. MPH ASSOCIATED DIRECTION TIME MPH

TIME CHECK - CLOCK AT: 0500P @2 Sec. / 1600P @3 Sec. / 2200P @3 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆ U.S. GPO: 1983-0-784-038/8788

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 27 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mb)	TEMP °F	DEW PT °F	WIND DIRECTION (00-36)	WIND SPEED (Knots)	WIND CHARACTER	ALTIMETER SETTING (Inches)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER INITIALS
SA	0851	8 SCT 140 SCT	5		FH	102	64	62	13	04		P83	/ 64	AD
SP	0516	M 7 OVC	5		FH				13	04		984	/FEW BINOVC SW	AD
SA	0548	M 7 OVC	5		H	105	66	62	15	05		984	NMRS BINOVC	AD
SP	0603	M 9 OVC	5		H				10	04		985	/THN SPOTS 10VC TOB 010	AD
SA	0648	M 9 OVC	5		H	108	67	62	16	06		985	/THN SPOTS 10VC/30 15N	AD
SP	0709	M 11 OVC	5		H				13	06		986	/FEW BINOVC	AD
SA	0748	M 11 BKN	6		H	115	68	62	14	06		987		AD
SP	0821	12 SCT	6		H				16	05		986	/SCT V BKN	AD
SA	0852	12 SCT	7			112	71	62	13	05		986		AD
SA	0951	14 SCT 140 SCT	7			115	71	62	17	09		987	/FEW ACCAS NE-E / 207 1580 64	AD
SA	1052	CLR	8			115	73	62	17	09		987	/ACCAS N-SE FEW MDT CU OMTNS NE-E	AD
SA	1151	CLR	10			112	74	61	18	09		986	/ACCAS NE-SE FEW MDT CU OMTNS NE-E	AD
SA	1248	CLR	12			108	74	62	17	06		985	/FEW ACCAS CB OMTNS NE-E / 807 1980	AD
SA	1349	120 SCT	14			105	74	62	19	09		984	/ CB DSNT NE-SE	ML
SA	1449	CLR	15			098	76	62	17	09		982	/CB ACCAS N-SE	ML
SA	1550	CLR	13			091	78	64	18	10		980	/CB N-SE/B17 78 1420	RHS
SA	1651	CLR	15			091	77	61	13	09		980	/CB N-SE	RHS
SA	1751	CLR	15			095	73	61	15	08		981		RHS
SA	1851	CLR	15			095	70	63	15	08		981	/303	RHS
SA	1949	CLR	15			102	69	63	18	07		983		RHS
SA	2048	CLR	12			112	68	63	17	06		986		RHS
SA	2151	12 SCT	8			115	67	62	16	06		987	/119 1500 78	RHS
SA	2249	12 SCT	7			115	66	62	19	06		987	/LAST	RHS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

☆U.S.GPO:1983-0-684-035/6010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 27 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUMMATION (Ins.)	PRECIPITATION (Ins.)	HR.
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
00																									00
01																									01
02																									02
03																									03
04	51	29.790			1															1					04
05	48	29.800			10															10					05
06	48	29.810			10	10	SC	M9												10	3	.010			06
07	48	29.825			9															9					07
08	52	29.820			1															1					08
09	51	29.830			1	1	SC	14	0	~~ACAS~~	140	1								1	2	.020			09
10	52	29.830			0															0					10
11	51	29.820			0															0					11
12	48	29.810			0	0	CB	80	0	ACAS	120	0								0	8	.020			12
13	49	29.800			1															1					13
14	49	29.780			0															0					14
15	50	29.760			0	C	CB	80												0	8	.055			15
16	51	29.755			0															0					16
17	51	29.765			0															0					17
18	51	29.770			0															0	3	.010			18
19	48	29.790			0															0					19
20	48	29.820			0															0					20
21	51	29.825			1	1	SC	12												1	1	.055			21
22	49	29.825			5															4					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.) 2300	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GROUND					SOIL TEMP.		
41		43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58
	0448	X	0	0	X	67	64	X	X						X		
	0448	1	0	0	0	68	64										
	0948	2	0	0	0	72	64										
	1546	3	0	0	0	78	71										
	2145	4	0	0	0	78	67										
	2300	X	0	0	0	67	66	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)		0949	1547	2146
ATT. THERM.	60			
CORRN. SAM.	61			
TOTAL CORR.	62			
STA. PRESS.	63	29.830	29.760	29.825
BAROGRAPH	64	29.840	29.780	29.825
BAR. CORR.	65	-.010	-.020	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Kts.)	PEAK WIND DIR.	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
78	64	0	0	0	13	5	1452					2			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88
F	CONT	0530			
H	CONT	0840			

REMARKS, NOTES AND NONSYNOPTIC PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

PASTEST OBSERVED WIND SPEED AND DIR. | OR FASTEST | AZIMUTH | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0500 P @2 Sec./1000 P @2 Sec./ 1530 P @3 Sec.

1 LAST OF SEVERAL OCCURRENCES

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ○ U.S. GPO: 1983-0-764-005/6089

MF1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 28 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mb)	TEMP °F	DEW PT °F	WIND DIRECTION (00-36)	WIND SPEED (Kts.)	WIND CHARACTER	ALTIMETER SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
1	2	3	4a	4b	5	6	7	8	9	10	11	12	13	14
SA	0450	M11 OVC	4		H	103	66	62	18	05		985	/ TRW SPOTS 10VC 65	AD
SA	0548	M11 OVC	5		H	112	67	61	17	05		986		AD
SA	0647	M12 OVC	5		H	115	68	61	14	04		987	/ TRW SPOTS 10VC TOPS 22	AD
													/ 1303 15//	
SA	0750	M14 OVC	5		H	115	70	61	22	06		987	/ BINOVC	AD
SP	0822	15 SCT	5		H				15	07		987		AD
SA	0852	15-SCT	6		H	115	72	62	12	05		987		AD
SA	0952	CLR	6		H	115	72	62	17	08		987	/ FEW SC 5 / 500 1500 65	AD
SA	1050	CLR	6		H	115	74	62	20	09		987	/ FEW MDT CU DSNT NE-E	AD
SA	1150	CLR	6		H	112	74	62	16	07		986	/ FEW MDT CU DSNT NE-SE	AD
SA	1251	CLR	5		H	105	75	62	19	09		984	/ FEW MDT CU DSNT NE-E	AD
													/ 810 1200	
SA	1351	CLR	6		H	102	78	62	18	06		983	/ MDT CU DSNT NE-E	BJW
SP	1357	CLR	6		H				28	09		983	/ WSHFT 2154 MDT CU DSNT NE-E WND 17V31	BJW
SA	1449	CLR	6		H	098	80	62	27	09		982	/ CB DSNT NE-E STNRY MDT CU DSNT N	BJW
SA	1551	CLR	6		H	095	76	64	28	10		981	CB MDT CU OMTNS N-E / 710 1300 81	RMS
SA	1649	CLR	6		H	091	75	60	26	08		980	/ CU 43 OMTNS N-E	RMS
SA	1746	CLR	6		H	088	75	60	26	08		979		RMS
SA	1852	CLR	15			091	70	60	29	08		980	/ FEW CU NE-E / SC3 1200	RMS
SA	1946	CLR	15			098	67	60	24	08		982		RMS
SA	2054	CLR	12			105	66	61	30	06		984		RMS
SA	2150	CLR	10			105	65	61	29	04		984	/ 11M 81	RMS
SA	2247	CLR	12			108	65	60	00	00		985	/ LAST	RMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Ndddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP Sappp $6RRR_{t_R}$ 7wwW$_1$W$_2$ $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

*U.S.GPO:1983-0-384-009/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 28 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ___ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMID. (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUMMATION (Ins.)	PRECIPITATION (Ins.)
00																								
01																								
02																								
03																								
04	58	29.80				10														10				
05	58	29.820				10														10				
06	57	29.830				10	10	SC	M12											10	3	.010		
07	55	29.830				10														10				
08	52	29.825				1														0				
09	52	29.830				0	0	SC	15											0	5	.000		
10	50	29.830				0														0				
11	50	29.815				0														0				
12	51	29.800				0	0	CU	100											0	8	.030		
13	51	29.790				0														0				
14	49	29.780				0														0				
15	51	29.770				0	0	CB	70											0	7	.030		
16	49	29.760				0														0				
17	46	29.750				0														0				
18	52	29.760				0	0	CU	65											0	5	.010		
19	46	29.775				0														0				
20	54	29.785				0														0				
21	50	29.800				0														0	1	.040		
22	47	29.805				0														0				
23																								

SYNOPTIC OBSERVATIONS

TIME (LST)	TIME (GMT)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.		
	0447	X	0	0	X	67	65	X	X						X		
	0447	1	0	0	0	67	65										
	0948	2	0	0	0	74	66										
	1545	3	0	0	0	81	72										
	2145	4	0	0	0	77	65										
	2360	X	0	0	0	66	65	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (LST)		0949	1545	2146
ATT. THERM.				
DIURNAL CORR.				
TOTAL CORR.				
SEA LEVEL PRESS.		29.830	29.770	29.820
HAND BROUGHT		29.83	29.78	29.82
BAR. CORR.		0	-.010	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Knots)	PEAK WIND DIR.	PEAK WIND TIME (LST)	THICK. FREE OF ICE ON WATER (Ins.)	FASTEST GROUND LAYER (Ins.) TOP	FASTEST GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER MID-SUNSET TO MID-SUNRISE	WATER EQUIV. (Ins.)	
81	65	0	0	0	14	W	1520					2			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
H	CONT	1810			

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) | PERCENT OF POSSIBLE SUNSHINE ____ | CHARACTER OF SUNSHINE ____ | CHARACTER OF SUNSET ____

FASTEST OBSERVED WIND SPEED ____ M.P.H. | OR FASTEST MILE ____ M.P.H. | ASSOCIATED DIRECTION ____ | TIME ____

TIME CHECK - CLOCK AT: 0500P @ 3 Sec. / 1000P ± 0 Sec. / 1530P ± 0 Sec.

1-LIST OF SEVERAL OCCURRENCES

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆ U.S. GPO: 1983-0-784-005/6089

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 29 1987

TO CONVERT LST TO GMT: ADD 8 hrs SUBTRACT ____ hrs

SURFACE WEATHER OBSERVATIONS

TYPE	TIME (LST)	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles: SURFACE	VISIBILITY Miles: TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. MB	TEMP °F	DEW PT °F	WIND: DIR (00=36)	WIND: SPEED Kts	WIND: HARB MASTER	ALTIMETER SETTING Ins.	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
SA	0452	M9 OVC	3		FH	108	65	61	03	04		985	/ 64	AD
SA	0547	M9 OVC	4		FH	108	65	61	00	00		985	/ TOPS 017	AD
SP	0608	M10 OVC	4		FH				11	04		986		AD
SA	0648	M11 OVC	4		HK	112	66	61	12	04		986	/HAN SPOTS 10K /207 15K	AD
RS	0747	12 SCT	3		HK	112	69	62	33	03		986		AD
SA	0847	CLR	4		HK	112	73	62	18	06		986	/FEW SC 5	AD
SA	0950	CLR	5		HK	112	73	61	21	08		986	/400 64	AD
SA	1050	CLR	4		HK	112	74	61	17	09		986		AD
SA	1148	CLR	3		HK	105	75	61	17	09		984		AD
SA	1249	CLR	3		HK	102	78	61	18	07		983	/ 512	AD
SA	1349	CLR	4		HK	098	82	61	29	08		982		ML
SA	1449	CLR	5		HK	091	82	59	27	09		980		ML
SA	1550	CLR	10			088	78	58	28	12		979	/ 712 83	BKW
SA	1649	CLR	15			085	76	59	27	09		978		BKW
SA	1750	CLR	15			081	73	60	28	09		977		BKW
SA	1855	CLR	15			085	69	60	27	08		978	/ 503	BKW
SA	1948	CLR	15			088	67	57	28	07		979		BKW
SA	2052	CLR	15			091	67	57	29	03		980		BKW
SA	2153	CLR	12			095	66	60	12	04		981	/ 210 83	BKW
SA	2254	CLR	12			095	65	60	18	04		981	/ LAST	BKW

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3PoPoPoPo 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (11-82) WHICH MAY BE USED.

*U.S.GPO:1983-0-684-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 29 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

SURFACE WEATHER OBSERVATIONS

CLOUDS AND OBSCURING PHENOMENA

Time (L.S.T.) 16	Station Pressure (Ins.) 17	Dry Bulb (°F) 18	Wet Bulb (°F) 19	Rel. Humidity 20	Total Sky Cover 21	Lowest Layer Amt 22	Lowest Layer Type 23	Lowest Layer Height 24	Second Layer Amt 25	Second Layer Type 26	Second Layer Height 27	Summation Total 28	Third Layer Amt 29	Third Layer Type 30	Third Layer Height 31	Summation Total 32	Fourth Layer Amt 33	Fourth Layer Type 34	Fourth Layer Height 35	Total Opaque Sky Cover 36	Pressure Tendency 37	Net 3-hr. Change (Ins.) 38	Sunshine (Min.) 39	Precipitation (Ins.) 40	Hr.
00																									00-01
01																									01-02
02																									02-03
03																									03-04
04 52	29.810				10															10					04-05
05 47	29.810				10															10					05-06
06 48	29.820				10	10	SC	M11												10	2	.020			06-07
07 47	29.820				3															3					07-08
08 47	29.820				0															0					08-09
09 50	29.820				0															0	4	.000			09-10
10 50	29.820				0															0					10-11
11 48	29.800				0															0					11-12
12 49	29.785				0															0	8	.035			12-13
13 49	29.775				0															0					13-14
14 49	29.760				0															0					14-15
15 50	29.750				0															0	7	.035			15-16
16 49	29.740				0															0					16-17
17 51	29.730				0															0					17-18
18 55	29.740				0															0	5	.010			18-19
19 48	29.750				0															0					19-20
20 52	29.760				0															0					20-21
21 53	29.770				0															0	2	.030			21-22
22 54	29.770				0															0					22-23
23																									23-24

SYNOPTIC OBSERVATIONS

Time (G.M.T.) 41	Time (L.S.T.) 42	No. 43	Precip. (Ins.) 44	Snow Fall (Ins.) 45	Snow Depth (Ins.) 46	Max. Temp. (°F) 47	Min. Temp. (°F) 48	49	State of Ground 50	51	52	53	54	55	Soil Temp. 56	57	58
	2300 TO 0448	X	0	0	X	66	64	X	X						X		
	0448	1	0	0	0	66	64										
	0447	2	0	0	0	74	64										
	1548	3	0	0	0	83	73										
	2151	4	0	0	0	78	66										
	2303	X	0	0	0	66	65	X	X						X		

STATION PRESSURE COMPUTATIONS

Time (L.S.T.) 59		0948	1549	2152
Att. Therm. 60				
Observed Bar. 61				
Total Corr. 62				
Sta. Press. 63		29.820	29.750	29.770
Barograph 64		29.820	29.755	29.760
Bar. Corr. 65		0	-.005	+.010

SUMMARY OF DAY (2300P TO 2300P)

24-hr. Max. Temp. (°F) 66	24-hr. Min. Temp. (°F) 67	24-hr. Precip. Water Equiv. (Ins.) 68	24-hr. Snowfall Unmelted (Ins.) 69	Snow Depth (Ins.) 70	Peak Wind Speed (Kts.) 71	Peak Wind Direction 72	Peak Wind Time (L.S.T.) 73	Thickness of Ice on Water (Ins.) 74	Frozen Ground Layer Top 75	Frozen Ground Layer Base 76	River Gage 77	Sky Cover Sunrise to Sunset 78	Sky Cover Midnight to Midnight 79	Water Equiv. (Ins.) 80	81
83	64	0	0	0	16	W	1425					2			

WEATHER & OBSTRUCTIONS TO VISION

Type 82	Began 83	Ended 84	Type 85	Began 87	Ended 88
F	CONT	0630			
H	CONT	1540			
K	0630	1540			

TIME. SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0500P ±0 Sec./ 1060P ±0 Sec./ 1600P ±0 Sec.

HO 83 and DEW CELL OUT for MAINTENANCE 0930 – 0945P

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. U.S. GPO 1983-0-784-008/8089

MF 1-10A
15-831

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 30 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE (1)	TIME (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles: SURFACE (4)	VISIBILITY Miles: TOWER (4a)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. MSL (6)	TEMP °F (7)	DEW PT °F (8)	WIND: DIRECTION 00-36 (9)	WIND: SPEED Kts. (10)	WIND: CHARACTER (11)	ALTIM EYBR SETTING Ins. (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	QUALITY CONTROL (15)
SA	0452	7 SCT	5		FH	098	62	60	13	04		982	/ 62	AD
SA	0548	6 SCT	5		FH	102	63	61	14	05		983		AD
SP	0614	M 7 OVC	5		FH				12	05		983	/ B INOVC	AD
SA	0650	M 7 OVC	4		EH	102	65	61	17	03		983	NMRS B INOVC / 103 15//	AD
SP	0703	7 -BKN	4		FH				16	03		984		AD
SA	0747	8 SCT	4		H	105	68	61	00	00		984		AD
SA	0848	CLR	4		HK	105	72	62	17	04		984		AD
SA	0950	CLR	4		HK	105	75	62	21	07		984	/ 103 62	AD
SA	1049	CLR	5		HK	105	75	62	16	08		984		AD
SA	1150	CLR	5		HK	102	77	62	17	07		983		AD
SA	1248	CLR	6		HK	098	78	62	19	10		982	/ 8=7	AD
SA	1349	CLR	7			045	81	62	18	08		981		ML
SA	1449	CLR	12			085	86	61	26	10		978		ML
SA	1550	CLR	15			085	82	54	27	10		978	/ 614 86	ZKW
SA	1647	CLR	15			081	82	51	26	11		977		ZKW
SA	1753	CLR	20			081	77	57	30	09		977		ZKW
SA	1854	CLR	20			085	72	58	28	08		978	/ 509	ZKW
SA	1952	CLR	15			088	69	59	27	04		979		ZKW
SA	2049	CLR	15			098	68	58	31	05		982		ZKW
SA	2151	CLR	15			102	67	57	08	05		983	/ 117 86	ZKW
SA	2255	CLR	15			105	66	57	00	00		984	/ LAST	ZKW

A synoptic observation using BNO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_n$TTT $2s_n$$T_d$$T_d$$T_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRRt_R 7wwW_1W_2 8$N_h$$C_L$$C_M$$C_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-63) WHICH MAY BE USED.

•U.S.GPO:1983-0-384-003/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 30 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE ENDENCY	NET 3-HR. PRESS. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								
01																								
02																								
03																								
04	52	29.775				1														1				
05	48	29.790				4														3				
06	50	29.790				10	10	SC	M7											9	1	.010		
07	47	29.800				3														2				
08	48	29.795				0														0				
09	50	29.800				0														0	1	.010		
10	49	29.800				0														0				
11	50	29.790				0														0				
12	48	29.780				0														0	8	.020		
13	49	29.765				0														0				
14	49	29.740				0														0				
15	50	29.740				0														0	6	.040		
16	47	29.730				0														0				
17	53	29.730				0														0				
18	54	29.740				0														0	5	.000		
19	52	29.750				0														0				
20	49	29.780				0														0				
21	51	29.790				0														0	1	.050		
22	55	29.800				0														0				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.) 2300	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.							SOIL TEMP.			
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58		
	0447	X	0	0	X	66	62	X	X						X				
	0447	1	0	0	0	66	62												
	0947	2	0	0	0	76	62												
	1548	3	0	0	0	86	74												
	2149	4	0	0	0	83	67												
	2300	X	0	0	0	67	65	X	X						X				

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)		0945	1549	2150
ATT. THERM.				
CORRECTION				
TOTAL CORR.				
STA. PRESS.		28.80	29.740	29.790
SEA LEVEL PRESS.		29.805	29.745	29.800
DAILY CORR.		0	-.005	-.010

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Knots)	PEAK WIND DIR. (10's)	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
64	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
86	62	0	0	0	14	W	1503					1			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
92	93	94	95	96	98
F	CONT	0710			
H	CONT	1335			
K	0830	1335			

15. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P ±0 Sec. / 1000P ±0 Sec. / 1600P ±0 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆U.S.GPO:1983-0-764-008/8068

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 31 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mb)	TEMP °F	DEW PT °F	WIND DIRECTION (00=Calm)	WIND SPEED (Kts.)	WIND CHARACTER	ALTIMETER SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	QC
SA	0455	W0X	0		F	115	61	60	13	04		987	/59	RMS
SA	0549	W1X	1/16		F	119	62	62	12	03		988		RMS
SA	0652	W1X	3/16		F	125	63	63	15	05		990	54 dmly vsby/3	RMS
SP	0705	W3X	3/16		F				13	04		990		RMS
SP	0710	-X	1/4		F				10	03		990	/P9 vsby SW-W	RMS
SO	0718	-X M3BTN	3/8		F				00	00		990	F6 /vsby SW 3/4	RMS
SP	0724	-X M3BHN	1/2		F				06	06		990	/ES vsby SW/ NW-2	RMS
SP	0729	SSCT	2		F				15	03		990	/vsby N-E 3/4	RMS
SO	0743	-X	3		FH				00	00		990	/FM2 vsby NE-S 2	RMS
SA	0753	-X	3		HK	125	69	62	00	00		990	/HK2	RMS
SA	0846	CLR	5		HK	125	76	62	00	00		990		RMS
SA	0949	CLR	8			122	76	63	17	08		989	/BC3 59	RMS
SA	1050	CLR	10			122	78	62	18	09		989		RMS
SP	1148	CLR	8			115	81	63	20	08		987		RMS
SA	1249	CLR	10			112	83	61	18	10		986	/810	RMS
SA	1349	CLR	10			112	86	52	18	09		986		RMS
SA	1449	CLR	12			105	87	58	17	11		984		RMS
SP	1525	CLR	15						28	10		984	/WSHFT 22 WND 25V33	RKW
L	1529	CLR	15				88	57	29	10		984	/(ACFT MISHAP)	RKW
SA	1550	CLR	20			102	87	52	30	10		983	/810 89 (ACFT MISHAP)	RKW
SA	1655	CLR	25			102	83	51	30	10		983		RKW
SA	1752	CLR	25			098	79	56	30	12		982		RKW
SA	1855	CLR	25			102	74	57	30	10		983	/500	RKW
SA	1947	CLR	20			105	72	57	29	05		984		RKW
SA	2053	CLR	20			115	70	58	27	04		987		RKW
SA	2150	CLR	15			119	70	60	04	04		988	/117 89	RKW
SA	2255	CLR	15			122	68	61	00	00		989	/LAST	RKW

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

☆U.S.GPO:1983-0-684-008/60010

MP1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: JUL 31 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMID. (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Tenths)	PRECIPITATION (Ins.)
00																								
01																								
02																								
03																								
04	55	29.830				10															10				
05	7E	29.870				10															10				
06	52	29.860				10	10	F	140												10	3	.060		
07	57	29.860				1															1				
08	46	29.860				C															C				
09	49	29.850				0															0	8	.010		
10	56	29.845				0															0				
11	48	29.830				0															0				
12	49	29.820				0															0	8	.030		
13	49	29.815				0															0				
14	49	29.800				0															0				
15	50	29.790				0															0	8	.030		
16	55	29.790				0															0				
17	52	29.780				0															0				
18	55	29.790				0															0	5	000		
19	47	29.800				0															0				
20	53	29.830				0															0				
21	50	29.840				0															0	1	.050		
22	55	29.855				0															0				
23																									

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF GROUND	SUNL. TEMP.	STATION PRESSURE COMPUTATIONS: TIME (L.S.T.)			
	2300										0946	1549	2149
	0034	X	0	0	X	66	59	X	X				
	0454	1	0	0	0	67	59						
	0945	2	0	0	0	79	59						
	1548	3	0	0	0	89	76						
	2148	4	0	0	0	87	70						
	2300	X	0	0	0	70	68	X	X				

STATION PRESSURE COMPUTATIONS			
AVY. THERM.			
CORRCTN.			
TOTAL CORR.			
SEA PRESS.	29.850	29.790	29.840
BAROGRAPH	29.860	29.800	29.870
BAR. CORR.	-.010	-.010	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNKN. TR	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Knots)	PEAK WIND: DIR. DEG. TENS	PEAK WIND: TIME (L.S.T.)	THICK. NESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.): TOP	FROZEN GROUND LAYER (Ins.): BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: SUNSET TO MIDNIGHT	WATER EQUIV. (Ins.)	
89	59	0	0	0	16	NW	1813					2			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
FA	UNKN	0747			
H	0735	0930			
K	0747	0930			

24. REMARKS, NOTES AND SPECIAL OBSERVATIONS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF RAISE | CHARACTER OF SUNSET

PASTEST OBSERVED WEATHER SINCE LAST REPORT | OR PASTEST | AGGREGATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0500P ±0 Sec. / 0930P ±0 Sec. / 1600P ±0 Sec.

NOTIFIED BY TOWER OF AIRCRAFT MISHAP 7/31/87 ~~2326~~ 1526P

AIRCRAFT MISHAP ACTUALLY OCCURRED AT 1548P L.C.

ITEM ALPHA: BE36, #N6427N; ITEM BRAVO: 2SL 1548P 7/31/87

ITEM CHARLIE: NOSE GEAR COLLAPSE 2 ON BOARD

SP=

RS=

MP1-10B (10-83) SUPERSEDES MP1-10B (1-82) WHICH MAY BE USED. ☆U.S.GPO:1983-0-784-008/6089

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 1 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE (1)	TIME (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles: SURFACE (4)	VISIBILITY Miles: TOWER (4a)	WEATHER AND OBSTRUCTIONS TO VISION (4)	SEA LEVEL PRESS. Mbs (5)	TEMP °F (7)	DEW PT °F (8)	WIND: DIRECTION 00=Calm 01=NE 02=E 03=SE 04=S 05=SW 06=W 07=NW 08=N 09=Var (9)	WIND: SPEED Kts. (10)	WIND: CHARACTER (11)	ALTIMETER SETTING Inches (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER'S INITIALS (15)
SA	0448	CLR	5		FM	122	65	63	00	00		989	/ 64	AD
SA	0548	CLR	4		FM	125	66	64	14	04		990	/ ST DSNT S-SW	AD
SA	0626	CLR	4		FM				00	XX		989	/ F BANK S-SW	AD
SA	0651	CLR	5		FM	122	69	65	30	05		987	/ 500	AD
SA	0747	CLR	6		H	119	75	63	27	05		988		AD
SA	0850	CLR	5		HK	125	76	63	19	04		990	/ FEW AC DSNT E	AD
SA	0950	CLR	5		HK	125	84	63	17	03		990	/ ACAS NE-SE / 103 1030 64	AD
SA	1049	CLR	5		HK	122	85	63	17	08		989	/ FEW AC NE-SE	AD
SA	1150	CLR	6		HK	115	91	61	23	07		987	/ FEW ACAS N	AD
SA	1250	CLR	15			108	93	56	29	11		985	/ FEW ACAS N-NE / 717 1080	AD
SA	1356	CLR	25			102	89	53	27	10		983	/ TCU E MRGN	RHS
SA	1452	CLR	25			095	90	46	27	12		981	/ AC E MRGN	RHS
SA	1550	CLR	25			091	87	49	28	14		980	/ 717 94	RHS
SA	1653	CLR	25			091	82	51	28	12		980	/ CB DSNT E	RHS
SA	1750	CLR	25			091	80	54	29	11		980		RHS
SA	1847	7 SCT	25			095	74	56	26	08		981	/ K 7SCT E-SW 1303	RHS
SA	1948	CLR	25			098	74	55	28	06		982	/ ACAS W K SE-S	RHS
SA	2047	CLR	25			108	74	57	05	03		985		RHS
SA	2150	CLR	20			115	69	64	16	09		987	1119 94	RHS
SA	2246	CLR	10			119	66	64	18	08		988	/ LAST	RHS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3PoPoPoPo 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (11-82) WHICH MAY BE USED.

• U.S.GPO:1983-0-604-028/8010

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 2 1987

TO CONVERT LST TO GMT: ADD 8 hrs SUBTRACT ____ hrs.

TYPE (1)	TIME (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles: SURFACE (4)	VISIBILITY Miles: TOWER (4a)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. Millibars (6)	TEMP °F (7)	DEW PT °F (8)	WIND: DIRECTION 10's of Degrees (9)	WIND: SPEED Knots (10)	WIND: CHARACTER (11)	ALTIMETER SET. Inches (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER'S INITIALS (13a)
SA	0450	C-R	5		FH	108	67	63	30	04		985	/FEW AL ACCAS N-SE 67	AD
SA	0549	CLR	5		FH	108	67	63	27	03		985	/FEW AC NE-SE	AD
SA	0652	CLR	6		H	112	72	63	21	03		986	/FEW AC DSNT E-SE /	AD
													305 / 07C	
SA	0751	CLR	6		H	115	76	63	09	03		987	/FEW AL DSNT E-S	AD
SA	0848	CLR	10			115	80	63	19	04		987	/FEW AC	AD
SA	0951	CLR	14			112	83	61	19	06		986	/FEW AC NE-SE/000 1070 66	AD
SA	1048	CLR	15			112	83	57	20	07		986	/FEW AC	AD
SA	1151	CLR	15			105	85	52	18	07		984	/FEW ACCAS TCU NE-SE	AD
SA	1252	140 SCT	20			098	85	53	18	07		982	/FEW ACCAS CB DSNT E-SE	AD
													/ 814 1980	
SA	1346	150 SCT	40			091	87	50	16	09		980	/CB E-SE	RMS
SA	1453	150 SCT	40			088	89	58	26	09		979	/CB E-SE	RMS
SA	1555	150 SCT	40			085	95	53	26	09		978	/CB SE/614 1370 90	RMS
SA	1648	150 SCT	40			081	82	55	29	12		977		RMS
SA	1747	CLR	15			085	76	61	29	08		978	/ FEW AC	RMS
SA	1852	CLR	15			088	72	62	29	09		979	/ CB OMTNS NE / 403 1300	RMS
SA	1954	CLR	15			095	69	60	29	07		981		RMS
SA	2053	CLR	15			102	64	60	30	07		983		RMS
SA	2154	CLR	12			108	68	61	29	04		985	/ 219 90	RMS
SA	2246	CLR	13			108	69	61	00	00		985	/ LAST	RMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-68) WHICH MAY BE USED.

☆U.S.GPO:1983-0-384-008/8010

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 3 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE (1)	TIME (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles: SURFACE (4)	VISIBILITY Miles: TOWER (4a)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. Mbs. (6)	TEMP °F (7)	DEW PT °F (8)	WIND DIRECTION (00-36) (9)	WIND SPEED Kts. (10)	WIND CHARACTER (11)	ALTIMETER SETTING Ins. (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER INITIALS (14)
SA	0444	140 SCT	7			105	65	62	30	03		984	/ 65	ML
SA	0550	140 SCT	6		1+K	108	66	62	28	05		985		ML
SA	0650	140 SCT	6		HK	112	69	63	30	03		986	/ 305 1070	ML
SA	0749	CLR	7			115	74	62	35	03		987	/ FEW AC	ML
SA	0849	CLR	9			115	79	64	18	04		987	/ FEW AC	ML
SA	0950	CLR	10			115	78	63	18	07		987	/ FEW AC / 103 1070 65	ML
SA	1049	150 SCT	15			115	79	59	19	06		987		ML
SA	1149	150 SCT	15			112	81	58	18	09		986	/ TCU DSNT E	ML
SA	1249	CLR	20			105	83	53	18	08		984	/ TCU DSNT NE FEW AC / 812 1270	ML
SA	1350	CLR	20			098	84	40	17	08		982	/ MDT CU DSNT NE FEW AC	AD
SA	1449	CLR	20			091	88	39	17	07		980	/ MDT CU DSNT NE FEW AC	AD
SA	1551	CLR	20			091	84	61	29	07		980	/ FEW MDT CU AC DSNT N-NE / 614 1270 89	AD
SA	1650	CLR	12			091	79	62	29	09		980	/ FEW CU DSNT NE	AD
SA	1749	CLR	12			091	76	60	26	08		980	/ FEW CU DSNT NE	AD
SA	1852	CLR	14			102	71	62	28	07		983	/ 310	AD
SA	1952	CLR	10			108	69	61	29	08		985		AD
SA	2050	CLR	10			112	68	60	28	06		986		AD
SA	2151	CLR	8			115	68	61	29	04		987	/ 115 89	AD
SA	2248	CLR	8			115	67	61	29	04		987	/ LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iR$_I$ixhVV Nddff 1s$_n$TTT 2s$_n$T$_d$T$_d$T$_d$ 3P$_o$P$_o$P$_o$P$_o$ 4PPPP 5appp 6RRRt$_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (11-83) WHICH MAY BE USED.

*U.S.GPO:1983-0-424-025/6010

MF 1-10A (5-83) — U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 4 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mbs.)	TEMP °F	DEW PT °F	WIND DIRECTION (10s of Degrees)	WIND SPEED (Kts.)	WIND CHARACTER	ALTIM SETTING (Inches)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
SA	0449	10SCT 15OSCT	5		H	115	66	63	13	05		987	/ 65	ML
SP	0519	M 9 BKN	5		H				11	03		987		ML
SA	0549	M 9 BKN	5		H	115	66	62	14	03		987	/ TCU CLT	ML
SP	0624	10 SCT	5		H				19	04		987		ML
SA	0650	12 SCT	6		H	119	68	62	14	06		988	/ 307 1500	ML
SA	0749	CLR	7			119	71	62	16	04		988	/ FEW SC	ML
SA	0849	CLR	8			119	74	63	17	05		988		ML
SA	0950	CLR	10			119	74	62	17	04		988	/ 400 65	ML
SA	1049	CLR	12			119	78	60	18	07		988	/ TCU AC N-NE	ML
SA	1150	CLR	12			115	79	58	19	07		987	/ TCU AC N-E	ML
SA	1249	CLR	12			112	81	54	18	06		986	/ TCU AC N-SE / 308 1270	ML
SA	1350	150SCT	15			102	81	54	18	08		983	/ TCU CB CMTUS N-NE	RMS
SA	1453	CLR	15			095	83	54	15	08		981	/ FEW AC CB N-NE	RMS
SA	1552	CLR	10			088	84	51	17	08		979	/ VSBY LWR W CB 154T N-NE / 622 1300 83	RMS
SA	1653	CLR	8			088	80	64	27	08		979	/ HAZY	RMS
SA	1752	CLR	7			085	76	63	28	08		978	/ HAZY	RMS
SA	1849	CLR	12			088	73	61	30	08		979	/ 500	RMS
SA	1946	CLR	12			091	71	62	32	06		980		RMS
SA	2050	CLR	12			105	71	62	31	05		984		RMS
SA	2153	CLR	12			112	70	61	34	06		986	/ 122 83	RMS
SA	2247	CLR	10			108	69	60	31	04		985	/ LAST	RMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii (R$_{13}$hVV Nddff 1s$_n$TTT 2s$_n$T$_d$T$_d$T$_d$ 3P$_o$P$_o$P$_o$P$_o$ 4PPPP 5appp 6RRRt$_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

• U.S.GPO:1983-0-684-008/8010

MP 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 5 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE (1)	TIME (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles: SURFACE (4)	VISIBILITY Miles: TOWER (4a)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. Mbs. (6)	TEMP °F (7)	DEW POINT °F (8)	WIND: DIRECTION 00-36 (9)	WIND: SPEED Kts. (10)	WIND: CHARACTER (11)	ALTIMETER SETTING (inches) (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER'S INITIALS (14)
SA	0450	M 9 OVC	8			108	69	64	14	03		985	/ 67	ML
SP	0516	M11 BKN 120 BKN	8						16	04		986		ML
SA	0549	M 12 BKN 20 BKN	8			112	69	63	09	03		986	/ TOPS 016	ML
SA	0650	M 13 BKN	8			112	70	64	13	06		986	/ 105 1500	ML
SP	0728	14 SCT E140 BKN	8						10	05		987		ML
SA	0749	14 SCT E140 BKN	10			115	74	64	13	07		987		ML
SA	0849	15 SCT 140 SCT	10			112	73	64	17	07		986		ML
SA	0950	140 SCT	10			112	74	64	18	09		986	/ CCC 1070 67	ML
SA	1050	E140 BKN	12			112	73	63	20	08		986		ML
SA	1149	140 SCT	14			108	76	64	19	08		985	/ ACCAS ALQDS	ML
SA	1249	140 SCT	15			102	77	63	18	09		983	/ TCU DSNT E/810 1270	ML
SA	1353	150 SCT	15			095	78	63	18	10		981	T	RMS
SA	1455	E150 BKN	13			098	75	63	18	13		981	TCU CB UNTHS N-NE	RMS
SA	1548	E130 BKN	13			095	75	63	16	10		981	/ 607 1060 79	RMS
SA	1650	130 SCT 250 SCT	12			098	73	64	15	10		982		RMS
SA	1751	250-SCT	15			095	72	64	17	08		981		RMS
SA	1849	150 SCT 250-SCT	15			095	71	64	20	03		981	/ 000 1031	RMS
SA	1949	CLR	13			095	72	64	20	05		981	/ FEW CI	RMS
SA	2054	CLR	15			105	71	64	15	06		984		RMS
SA	2157	CLR	15			108	69	65	15	06		985	/ 114 79	RMS
SA	2247	CLR	10			112	69	65	17	07		986	/ FEW AC LAST	RMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iR$_{i_x}$hVV Nddff 1s$_0$TTT 2s$_0$T$_d$T$_d$T$_d$ 3P$_o$P$_o$P$_o$P$_o$ 4PPPP 5appp 6RRR$_{i_R}$ 7ww$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MP 1-10A (1-83) WHICH MAY BE USED.

*U.S.GPO:1983-0-084-055/6010

MF 1-10A
15-831

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 6 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE (1)	TIME (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles: SURFACE (4)	VISIBILITY Miles: TOWER (5)	WEATHER AND OBSTRUCTIONS TO VISION (6)	SEA LEVEL PRESS. Mbs. (7)	TEMP °F (8)	DEW PT °F (9)	WIND: DIRECTION 00-36 (10)	WIND: SPEED Kts. (11)	WIND: CHARACTER (12)	ALTIM ETER SET. ING Ins. (13)	REMARKS AND SUPPLEMENTAL CODED DATA (14)	OBSERVER INITIALS (15)
SA	0456	M11 BKN 120 OVC	10			108	69	64	00	00		985	/RAN 1 SCT Aurora 68	RMS
RS SA	0551	11 SCT E12C BKN	10			112	68	63	26	05		986		RMS
SA	0649	E15C BKN	10			109	70	63	33	05		988	/308 1070	RMS
SA	0751	150 SCT	10			109	77	64	24	03		988		RMS
SA	0844	FEW	10			115	80	64	36	03		987	/ FEW AC	RMS
SA	0957	150 SCT	10			115	77	65	18	09		987	/ 603 1030 68	RMS
SA	1051	150 SCT	12			109	77	65	19	09		988		RMS
SA	1151	170 SCT	11			115	78	64	16	06		987		RMS
SA	1250	160 SCT 200 SCT	12			108	80	63	20	10		985	/CB DSNT E/307 1972	ML
SA	1344	160 SCT 200 SCT	12			105	80	65	19	11		984	/CB DSNT NE	ML
SA	1449	160 SCT 200 SCT	10			102	78	65	19	12		983	/CB DSNT NE	ML
SA	1552	160 SCT 250 SCT	8			102	77	65	17	11		983	/FEW MOTCW DSNT NE / 607 1272 81	AD
SA	1650	250 SCT	8			102	73	65	18	11		983	/FEW AC	AD
SA	1750	300 SCT	8			102	73	65	18	09		983		AD
SA	1852	300 SCT	8			105	73	64	00	00		984	/AC E-SE/303 1072	AD
SA	1950	300 - SCT	7			112	70	64	30	05		986		AD
SA	2049	300 - SCT	5		H	115	70	63	32	05		987		AD
SA	2150	300 - SCT	4		H	119	69	63	29	04		988	/112 1002 81	AD
SA	2250	10 SCT	3		H	119	68	63	29	04		988	/LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iR$_I$$_x$hVV Nddff 1$s_n$TTT 2$s_nT_dT_dT_d$ 3P$_o$P$_o$P$_o$P$_o$ 4PPPP 5appp 6RRR$_{t_R}$ 7ww$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (11-68) WHICH MAY BE USED.

☆U.S.GPO:1983-0-684-008/8010

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STAY ON: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 7 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mbs)	TEMP °F	DEW PT °F	WIND DIRECT. (Tens of Degrees)	WIND SPEED Kts.	WIND CHARACTER	ALTIMETER SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
	2	3	4a	4b	5	6	7	8	9	10	11	12	13	13a
31	0459	M15 OVC	9			115	64	63	00	00		987	/60	RMS
12	0534	M15 OVC	10						00	00		988	TCPS C2C	RMS
SA	0544	M15 OVC	11			119	70	63	07	04		988	TCPS CLB	RMS
SA	0647	M16BKN	12			122	71	63	17	05		989	/3CT 1500	RMS
SA	0746	M16 OVC	12			125	72	64	16	04		990	SML RWDVC VSBY 4CI	RMS
SA	0956	M16 OVC	12			129	72	64	17	07		991		RMS
L	0924	M16BKN	13						14	06		991	/BKN USCT	RMS
SO	0932	16 SCT 150 SCT	10						19	03		991		RMS
SA	0951	16 SCT 150 SCT	10			129	75	69	24	05		991	/10T 1530 68	RMS
SO	1050	150-SCT	12			125	76	64	19	11		990		RMS
SA	1153	150-SCT	13			125	77	64	15	08		990	ALCAS-S-SW	RMS
SA	1254	150 SCT 250-SCT	13			122	77	64	22	10		989	/17T 1031	RMS
SA	1353	150-SCT 250-SCT	13			122	77	64	21	09		989		RMS
SA	1450	150 SCT 250-SCT	13			115	76	64	17	09		987		RMS
SA	1555	CLR	7			112	75	65	17	08		986	/FEW AC CI/610 1031 78	AD
SA	1650	CLR	8			112	73	65	17	07		986	/FEW AC CI	AD
SA	1748	CLR	8			112	73	64	17	07		986	/FEW AC CI	AD
SA	1850	CLR	7			112	72	64	29	08		986	/FEW AC CI/400 1031	AD
SA	1948	CLR	8			119	70	63	27	08		988		AD
SA	2051	CLR	8			125	69	63	28	07		990		AD
SP	2121	M14BKN	8						28	06		991		AD
SA	2150	M14 OVC	8			129	69	63	30	06		991	/TWN SPOTS 10VC / 115	AD
													15// 78	
SA	2249	M13OVC	7			129	69	63	30	06		991	/TWN SPOTS 10VC LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

☆U.S.GPO:1983-0-684-008/6010

MF1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 8 1987

TO CONVERT LST TO GMT: ADD 8 HRS. SUBTRACT ____ HRS.

TYPE (1)	TIME (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Mi. (4)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. (6)	TEMP °F (7)	DEW PT °F (8)	WIND DIRECTION (9)	WIND SPEED Kts. (10)	WIND CHARACTER (11)	ALTIM SET. TENS (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER'S INITIALS (14)
SA	0450	M13 OVC	4	H	129	66	62	30	04		991	/*66 *BINOVC	ML
SA	0549	M12 OVC	4	H	132	67	62	30	03		992	/BINOVC	ML
SA	0650	M12 OVC	5	H	135	68	62	21	03		993	/307 15//	ML
SA	0749	M14 OVC	5	H	139	70	62	36	03		994	/BINOVC	ML
SP	0835	M16 BKN	5	HK				00	00		995		ML
SP	0831	16 SCT	5	HK				29	03		995	/SCT V BKN	ML
SA	0844	16 SCT	5	HK	142	74	62	23	03		995		ML
SA	0950	CLR	5	HK	142	75	62	17	08		995	/107 66	ML
SA	1049	CLR	6	HK	142	76	62	19	10		995		ML
SA	1144	CLR	7		139	78	62	18	10		994		ML
SA	1244	CLR	9		132	79	61	18	09		992	/ 8IC	MI
SA	1349	CLR	8		125	82	61	19	09		990		AD
SA	1449	CLR	10		119	83	61	29	10		988		AD
SA	1550	CLR	14		115	80	61	27	09		987	/FEW SC DSNTW/617 1500 84	AD
SA	1647	CLR	14		115	77	62	29	08		987	/FEW SC DSNT W	AD
SA	1747	CLR	14		119	75	61	26	08		988	/FEW SC DSNT W	AD
SA	1848	CLR	14		119	70	62	26	11		989	/SC DSNT SW-NW/103 1500	AD
SA	1947	CLR	10		125	68	62	28	10		990		AD
SA	2049	CLR	10		132	67	62	30	06		992		AD
SA	2150	CLR	10		135	67	62	30	06		993	/117 84	AD
SA	2252	CLR	8		135	66	62	30	05		993	/LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iR$_x$hVV Nddff 1s$_n$TTT 2s$_n$T$_d$T$_d$T$_d$ 3P$_o$P$_o$P$_o$P$_o$ 4PPPP Sappp 6RRRt$_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

•U.S.GPO:1983-0-684-008/8010

MF 1-10A (5-83) — U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 9 1987 87 — TO CONVERT LST TO GMT ADD 8 HRS. SUBTRACT ___ HRS.

TYPE	TIME (LST)	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles: SURFACE	VISIBILITY Miles: TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. MSL	TEMP °F	DEW PT °F	WIND DIRECTION (10's of deg.)	WIND SPEED Kts.	WIND CHARACTER	ALTIMETER SETTING (Inches)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER INITIALS
SA	0447	M9 OVC	7			135	65	61	20	04		993	/CIG RGD VSBY LWR W-N	JKW
													63	
SA	0551	M9 OVC	6		H	135	65	61	19	04		993	/CIG RGD THIN SPOTS	JKW
													INOVC VSBY LWR W-N	
													TOPS 014	
SA	0654	M9 OVC	6		H	139	66	61	17	05		994	/CIG RGD TOPS 015	JKW
													303 15//	
SP	0707	M10 OVC	6		H				12	04		994	/CIG RGD	JKW
SA	0748	M12 OVC	6		H	139	69	62	14	03		994	/SML BINOVC OVHD	JKW
L	0807	M13 BKN	6		H				19	05		994	/BKN V SCT	JKW
SP	0823	14 SCT	6		H				17	04		994		JKW
SA	0853	CLR	7			135	74	62	28	04		993	/FEW SC AC	JKW
SA	0950	CLR	8			135	75	61	17	03		993	/FEW AC SE-S / 603 1030 63	JKW
SA	1055	CLR	8			135	76	62	17	12		993	/FEW AC S	JKW
L	1139	CLR	10				76	62	17	12		993	/(ACFT MISHAP)	JKW
SA	1152	CLR	10			135	76	62	17	10		993		JKW
SA	1243	CLR	10			132	80	62	20	09		992	/FEW CI / 803 1001	JKW
SA	1343	250 -SCT	8			125	82	62	16	08		990		JKW
SP	1356	250 -SCT	8						30	09		989	/WSHFT 1353 MNG	JKW
													22V36	
SA	1449	250 -SCT	12			115	82	63	27	10		987	/FEW SC DSNT W AC	JKW
													DSNT NE	
SA	1549	CLR	12			108	78	63	28	08		985	/FEW CU DSNT N-NE /	AD
													724 1100 85	
SA	1651	CLR	14			105	77	62	27	08		984	/FEW SC DSNT W CI S	AD
SA	1750	CLR	15			105	74	61	28	08		984	/FEW CI SC DSNT W	AD
SA	1852	CLR	20			108	71	61	28	08		985	/FCW CI / 500 1001	AD
SA	1949	CLR	15			112	69	61	28	07		986		AD
SA	2048	CLR	14			119	69	60	28	06		988		AD
SA	2150	CLR	12			122	68	59	25	05		989	/112 85	AD
SA	2250	CLR	14			125	68	60	01	04		990	/ CI S LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following colored Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3PoPoPoPo 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED. *U.S.GPO:1983-0-684-008/8010

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 10 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles)	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mb)	TEMP (°F)	DEW PT (°F)	WIND DIRECTION (00=Calm)	WIND SPEED (Kts)	WIND CHARACTER	ALTIM SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
SA	0455	CLR	12		129	65	60	00	00		991	165	RMS
SA	0546	CLR	13		135	65	61	07	04		993		RMS
SA	0649	CLR	12		135	70	62	12	04		993	* 1105 1505 *SC	RMS
												SE-SW MAZN	—
SA	0749	CLR	12		139	71	62	17	06		994	/ FEW SC	RMS
SA	0846	CLR	12		139	73	62	14	08		994		RMS
SA	0943	CLR	15		142	73	62	14	10		995	/ 265 65	RMS
SA	1052	CLR	15		139	74	62	14	09		994		RMS
SA	1146	CLR	15		138	77	62	18	10		994		RMS
SA	1247	CLR	15		132	78	63	14	10		992	/ 1908	RMS
SA	1350	CLR	15		129	77	63	17	10		991	/ FEW CU NE-E	RL
L	1430	CLR	15			74	62	17	09		989	/ CU NE-E (LEFT MISSING)	RL
SA	1449	CLR	15		119	80	62	17	09		988	/ CU NE-E	RL
SP	1520	CLR	20					28	04		988	/ WSHFT 25 FEW SC	RKW
												DSNT W	
SA	1550	CLR	20		119	82	62	29	08		988	/ FEW SC DSNT W WND	RKW
												260/32 / 614 1500 82	
SA	1652	CLR	15		115	79	62	26	08		987	/ FEW SC DSNT W	RKW
SA	1754	CLR	15		115	76	61	28	09		987	/ FEW SC DSNT W	RKW
SA	1851	CLR	15		119	72	61	28	08		988	/ FEW ST DSNT SW-W	RKW
												AC N / SCC 1630	
SA	1953	CLR	12		125	70	63	27	07		990		RKW
SA	2055	CLR	10		132	69	63	30	06		992		RKW
SA	2150	CLR	8		132	69	63	29	05		992	/ 114 82	RKW
SA	2249	CLR	8		135	68	62	00	00		993	/ FEW ST LAST	RKW

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Ndd(f)f $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ $4PPPP$ $5appp$ $6RRR_{t_R}$ $7ww$ W_1W_2 $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

☆U.S.GPO:1985-0-494-055/20016

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 11 1987

TO CONVERT LST TO GMT ADD 8 HRS. SUBTRACT ____ HRS.

TYPE	TIME (LST)	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles: SURFACE	VISIBILITY Miles: TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. Mbs.	TEMP °F	DEW PT °F	WIND: DIRECTION (00=Calm)	WIND: SPEED Kts.	WIND: CHARACTER	ALTIMETER SETTING Inches	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
SA	0453	12 SCT	10			135	66	63	15	03		993	/65	RMS
SP	0526	MOBRN	13						23	03		994		RMS
SA	0632	MOSTLY CLR	13			139	67	63	17	03		994		RMS
SA	0648	MOSTLY CLR	13			146	69	63	13	04		996	1115 1511	RMS
SP	0733	MOSTLY CLR	12						25	03		996	/SML RMRKS	RMS
SA	0746	MOSTLY CLR	11			146	70	62	14	04		996		RMS
SP	0805	15 SCT	12						20	04		996		RMS
SA	0846	15 SCT	13			146	73	63	20	07		996		RMS
SP	0951	CLR	14			146	73	62	19	09		996	/FEW SC/102 15SC	RMS
SP	1050	CLR	15			149	75	62	15	09		997		RMS
SA	1146	CLR	15			142	77	62	22	07		995		RMS
SA	1247	CLR	15			139	78	62	21	09		994	1847	RMS
SA	1346	CLR	15			135	78	62	20	09		993		ML
SA	1449	CLR	15			125	81	62	17	08		990	/SC S-W	ML
SP	1521	CLR	15						29	09		990	/WSHFT 17 FEW SC	ZKW
													DSNT SW-W WNL RMRKS	
SA	1550	CLR	15			125	82	62	29	08		990	/FEW SC DSNT SW-W	ZKW
													614 1500 83	
SA	1652	CLR	15			125	79	61	29	08		990	/FEW SC DSNT W	ZKW
SA	1747	CLR	15			125	75	62	28	10		990	/FEW SC DSNT W	ZKW
SA	1849	CLR	15			129	71	62	28	10		991	/FEW SC DSNT SW-W	ZKW
													AC DSNT NW/ 303 1570	
SA	1951	CLR	12			132	70	63	30	08		992		ZKW
SA	2053	CLR	12			139	68	62	29	08		994		ZKW
SA	2150	CLR	12			142	67	61	28	06		995	/ 114 83	ZKW
SA	2254	CLR	12			142	67	58	30	06		995	/ LAST	ZKW

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ $4PPPP$ $5appp$ $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

☆U.S.GPO:1983-0-684-055/8010

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 12 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles): SURFACE	VISIBILITY (Miles): TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mbs.)	TEMP °F	DEW PT °F	WIND: DIRECTION (00=Calm)	WIND: SPEED (Kts.)	WIND: SPEED (Meters)	ALTIMETER SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
SA	0458	CLR	15			142	65	60	31	04		995	/64	RMS
SA	0546	250 SCT	20			149	65	61	00	00		997		RMS
SA	0648	CLR	15			149	69	61	23	03		997	/FEW SC /3[illegible] 1500	RMS
SA	0750	110 SCT	15			152	71	61	14	04		998		RMS
SA	0854	110 SCT	12			149	73	61	21	06		997		RMS
SA	0952	CLR	15			149	73	61	19	08		997	1000 64	RMS
SA	1053	CLR	15			149	75	61	20	08		997	/CI NW	RMS
SA	1150	CLR	15			142	77	61	19	09		995	/CI W-N CU E	RMS
SA	1250	250 SCT	15			135	74	60	14	10		993	/CU E / 8:4 1001	RMS
SA	1349	CLR	15			132	83	61	25	09		992	/CU NE CI W-NW	MC
SA	1449	250 SCT	15			125	82	62	26	09		990	/CU NE SC W	MC
SA	1550	CLR	15			122	77	62	28	11		989	/SC DSNT SW-NW CI NW-N	AD
													/714 1502 83	
SA	1648	CLR	15			122	74	62	28	09		989	/SC DSNT SW-NW FEW CI N	AD
SA	1748	CLR	20			122	72	61	28	09		989	/SC DSNT SW-NW FEW CI N	AD
SA	1848	CLR	20			122	69	61	29	08		989	/SC DSNT S-NW FEW CI N	AD
													500 1502	
SA	1948	CLR	15			125	67	61	28	08		990	/SC DSNT SW-NW	AD
SA	2049	CLR	12			129	67	60	29	08		991	/SC DSNT SW-NW	AD
SA	2151	CLR	12			129	66	60	29	06		991	/SC DSNT SW-NW	AD
													107 1500 83	
SA	2248	~~CLR~~ 15 SCT	12			129	66	59	29	05		991	/LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iR$_i$x$_h$VV Nddff 1s$_n$TTT 2s$_n$T$_d$T$_d$T$_d$ 3P$_o$P$_o$P$_o$P$_o$ 4PPPP 5appp 6RRRt$_R$ 7ww$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (11-88) WHICH MAY BE USED.

• U.S.GPO:1989-0-654-058/00010

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 13 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE (1)	TIME (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles: SURFACE (4)	VISIBILITY Miles: TOWER (4a)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. (Mbs.) (6)	TEMP °F (7)	DEW PT °F (8)	WIND: DIRECTION (00-36) (9)	WIND: SPEED Knots (10)	WIND: GUSTS (11)	ALTIMETER SETTING (Ins.) (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER INITIALS (13a)
SA	0457	M13 OVC	10			125	66	61	04	04		990	/65	RHS
SP	0527	M 12 OVC	8						18	06		991	/TCPS 029	RHS
SA	0629	M12 OVC	8			132	66	60	00	00		992		RHS
SA	0646	M12 OVC	8			132	68	60	14	04		992	/309 151/	RHS
SA	0753	M 12 OVC	8			135	67	61	21	06		993		RHS
SP	0813	12 SCT M16 OVC	8						24	07		993	/SCT L 3 BKN	RHS
SA	0852	12 SCT M17 OVC	8			135	68	61	29	06		993		RHS
SA	0948	12 SCT M16 OVC	10			139	70	61	19	05		994	/105 151/ 65	RHS
SA	1046	M 18 OVC	12			139	70	61	20	05		994		RHS
SA	1146	M20 OVC	15			132	72	60	18	09		992	/BINOVC S	RHS
SA	1247	M 20 BKN	15			129	74	60	18	06		991	/1008 1500	RHS
SA	1349	M 23 BKN	20			125	73	60	19	07		990		ML
SA	1449	M 23 BKN	20			122	73	60	19	08		989		ML
SA	1552	M 23 OVC	20			115	71	60	17	07		987	/~~FEW~~ BINOVC SE-S FEW LWR SC	AD
													/8/4 15/1 74	
SA	1648	M 23 OVC	15			108	69	60	19	07		985	/BINCIZ E-SE FEW LWR SC	AD
SA	1751	M 22 OVC	15			108	68	60	18	08		985		AD
SA	1850	M 20 OVC	15			108	68	60	21	06		985	/607 151/	AD
SA	1951	M16 BKN X22 OVC	12			112	69	60	00	00		986		AD
SA	2047	M17 BKN 20 OVC	10			112	68	61	14	05		986		AD
SA	2152	12 SCT M17 OVC	8		L-	112	67	61	25	05		986	/LB42 /10300 151/ 74	AD
SP	2210	M 11 OVC	6		L-				30	04		986		AD
SP	2237	M 9 BKN 11 OVC	5		L-F				27	06		985		AD
RS	2248	M 7 BKN 9 OVC	3		L-F	108	65	62	28	05		985	/LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Ndddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP Sappp 6RRRt_R 7wwW_1W_2 $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

• U.S.GPO:1983-0-684-888/8010

MF1-10A (5-63)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 14 1987

TO CONVERT LST TO GMT ADD 8 hrs. SUBTRACT ____ hrs.

TYPE (1)	TIME (LST) (2)	SKY AND CEILING (Hundreds of Feet) (3)	VISIBILITY (Miles) SURFACE (4)	VISIBILITY TOWER (4a)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. (Mbs.) (6)	TEMP (°F) (7)	DEW PT. (°F) (8)	WIND DIRECTION (00-36) (9)	WIND SPEED (Kts.) (10)	WIND CHARACTER (11)	ALTIMETER SETTING (Ins.) (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER'S INITIALS (15)
SA	0449	M5 BKN 8 OVC	1½		L-F	105	63	63	29	06		984	/CIG RGD/ 62 2000	BLW
SP	0517	5 SCT M8 OVC	1½		L-F				29	06		984	/CIG RGD	BLW
SP	0526	5 SCT M8 BKN 10 OVC	2		L-F				30	05		985	/CIG RGD	BLW
SA	0551	5 SCT M8 BKN 10 OVC	2		L-F	108	65	62	30	04		985	/CIG RGD VSBY W2½	BLW
													E1½ TOPS 045	
SP	0624	M7 BKN 10 OVC	2½		L-F				27	04		986	/CIG RGD VSBY SE4	BLW
													SW-W1½	
SA	0653	M6V BKN 8 OVC	1½V		L-F	112	63	62	28	06		986	/CIG 5V7 VSBY 1¼V1¾	BLW
													/10800 16//	
SP	0721	M5V BKN 8 OVC	1		L-F				25	04		987	/CIG 4V6	BLW
SP	0737	M6V BKN 8 OVC	1¼		L-F				21	07		988	/CIG 5V7	BLW
SA	0752	M6V BKN 8 BKN 15 OVC	1¼		R-L-F	119	63	62	21	06		988	/RB45 CIG 5V7 TOPS [illegible]	BLW
SP	0801	M6V BKN 8 BKN 15 OVC	1½		R-L-F				23	07		988	/CIG 5V7 VSBY SE5	BLW
SP	0809	6 SCT M8 BKN 15 OVC	2		L-F				20	08		988	/VSBY SE-SW7	BLW
SP	0817	6 SCT M8 BKN 11 OVC	2½		L-F				21	08		989	/CIG RGD VSBY NE2	BLW
													SE-SW7 PCPN VRY LGT	
SP	0825	8 SCT M12 BKN 16 OVC	2½		L-F				20	08		989	/CIG RGD VSBY SE-SW7	BLW
													PCPN VRY LGT	
SP	0834	8 SCT M12 BKN 16 OVC	3		L-F				20	09		989	/CIG RGD VSBY SE-SW7	BLW
													PCPN VRY LGT	
SA	0854	8 SCT M13 BKN 16 OVC	6		L-	122	65	61	20	08		989	/RE05 CIG RGD PCPN	BLW
													VRY LGT	
SP	0920	10 SCT M16 BKN 20 OVC	10						23	08		989	/VSBY LWR N-E	BLW
SA	0950	12 SCT M18 BKN 28 OVC	12			125	67	61	18	09		990	/LE10/ 21403 15// 62	BLW
SA	1051	14 SCT 18 SCT M26 OVC	15			125	69	59	21	05		990	/RWU E-SE	BLW
SA	1153	20 SCT M25 OVC	20			125	69	58	18	09		990	/RWU E-SE AND NW-N	BLW
SA	1249	20 SCT M25 OVC	20			125	71	58	16	09		990	/400 18//	ML
SA	1349	20 SCT M 28 OVC	20			125	70	57	19	10		990	/BINOVC	ML
SA	1449	22 SCT E 28 OVC	20			125	70	57	17	08		990	/BINOVC	ML
SA	1551	22 SCT E 28 OVC	20			122	69	57	17	07		989	/BINOVC /805 18// 71	AD
SP	1629	25 SCT E35 BKN	20						18	07		988		AD
SA	1652	23 SCT E40 BKN	20			119	69	56	18	09		988		AD
SP	1720	E25 BKN 40 BKN	20						16	08		988	/25 BKN V SCT	AD
SA	1748	M23 BKN 40 BKN	20			115	68	56	15	07		987	23 BKN V SCT	AD
SP	1824	23 SCT 40 SCT	20						16	07		988		AD
SA	1852	40 SCT 70 SCT	20			119	66	54	15	06		988	/FEW LWR SC/ 502 1570	AD
SA	1951	M36 BKN	20			122	66	55	15	06		989	/FEW LWR SC	AD
SA	2049	M 37 OVC	20			125	66	55	16	06		990	/BINOVC SW-W	AD
SA	2152	M 35 OVC	20			125	66	57	13	05		990	/107 15// 71	AD
SA	2248	35 SCT M44 OVC	20			129	66	56	13	05		991	/NMRS BINOVC FEW LWR SC	AD
													LAST	

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x hVV$ Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-62) WHICH MAY BE USED.

*U.S.GPO:1983-0-654-008/6010

MF1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 15 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mbs.)	TEMP °F	DEW PT °F	WIND DIRECTION (00=Calm)	WIND SPEED (Knots)	WIND CHARACTER	ALTIMETER SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
SA	0435	15 SCT M45 BKN	15			134	66	56	16	05		994	/65 2 CCC 3	RMS
SA	0550	15 SCT M45 BKN	15			140	66	57	14	05		996		RMS
SA	0651	15 SCT ~~M~~E45 BKN	25			152	68	58	14	10		998	/314 1800	RMS
SA	0746	15 SCT E45 BKN	25			152	70	56	16	10		998		RMS
SA	0850	15 SCT E45 BKN	25			156	70	55	16	10		999		RMS
SA	0950	15 SCT 50 SCT	25			159	72	55	18	10		000	/308 1800 65	RMS
SA	1055	15 SCT 50 SCT	20			159	73	56	21	10		000		RMS
SA	1154	20 SCT	25			152	75	56	18	09		998		RMS
SA	1246	20 SCT	25			149	75	54	21	10		997	/812 1100	RMS
SA	1354	25 SCT	25			146	75	54	18	12		996		RKW
SA	1449	25 SCT	25			142	77	54	19	10		995	/WNC 16V22	RKW
SA	1550	CLR	25			139	75	55	23	13	G15	994	/FEW SC/ 708 1500 77	RKW
SA	1653	CLR	25			139	73	57	27	14		994	/FEW SC W	RKW
SA	1751	CLR	25			139	70	56	26	10		994	/FEW SC W	RKW
SA	1848	CLR	25			142	67	58	28	11		995	/FEW SC W/ 303 1500	RKW
SA	1952	CLR	20			146	66	57	28	10		996		RKW
SA	2047	CLR	20			149	66	55	28	09		997		RKW
SA	2150	CLR	15			152	65	56	28	07		998	/ 210 77	RKW
SA	2255	CLR	15			152	64	55	29	05		998	/LAST	RKW

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_n$TTT $2s_n$TdTdTd $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRRi_R 7wwW_1W_2 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

☆U.S.GPO:1983-0-684-055/6010

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 16 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mbs.)	TEMP °F	DEW PT °F	WIND DIRECTION (00=Calm)	WIND SPEED (Kts.)	WIND CHARACTER	ALTIMETER SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
1	2	3	4a	4b	5	6	7	8	9	10	11	12	13	13a
SA	0456	CLR	20			159	60	57	36	04		000	/60	RMS
SA	0548	CLR	20			166	59	54	02	04		002	/SC SE-S MRZN	RMS
SA	0648	CLR	20			166	64	55	02	03		002	/SC S MRZN/312 1500	RMS
SA	0751	CLR	20			169	64	56	25	03		003		RMS
SA	0853	CLR	15			173	73	56	15	03		004	/SC W	RMS
SA	0948	CLR	15			169	74	58	17	06		003	/SC W/023 1500 59	RMS
SA	1091	CLR	15			166	74	58	22	11		002	/CU W	RMS
SA	1146	CLR	15			169	75	58	22	10		000		RMS
SA	1248	CLR	20			156	77	58	18	11		999	/815	RMS
SP	1332	CLR	15						30	08		997	/WSHFT 29 FEW SC DSNT W WNW 21V31	BKW
SA	1353	CLR	15			149	81	58	26	09		997	/FEW SC DSNT W	BKW
SA	1451	CLR	15			146	80	58	27	10		996	/FEW SC DSNT W	BKW
SA	1550	CLR	15			142	76	59	30	10		995	/SC DSNT SW-W/ 7/2 1500 81	BKW
SA	1647	CLR	15			146	74	59	29	10		996	/SC DSNT SW-W	BKW
SA	1754	CLR	15			146	71	59	28	12		996	/SC BANK DSNT S-W	BKW
SA	1852	15 SCT	15			149	68	60	29	09		997	/SC GRDLY INCRG 207 1500	BKW
SA	1949	CLR	12			156	66	60	29	10		999	/FEW SC	BKW
SA	2048	CLR	12			159	65	60	27	07		000	/FEW SC	BKW
SA	2150	CLR	12			163	65	60	30	06		001	/FEW SC / 214 1500 81	BKW
SA	2255	12 SCT	8			163	64	60	29	05		001	/LAST	BKW

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_n$TTT $2s_n$$T_d$$T_d$$T_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRRt_R 7wwW_1W_2 $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

☆U.S.GPO:1983-0-684-058/8010

MF1-10A
(5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 17 1987

TO CONVERT LST TO GMT ADD 8 hrs. SUBTRACT ___ hrs.

TYPE (1)	TIME (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY (Miles) SURFACE (4)	VISIBILITY TOWER (4a)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. Mbs. (6)	TEMP °F (7)	DEW PT °F (8)	WIND DIRECTION (00-36) (9)	WIND SPEED Kts. (10)	WIND CHARACTER (11)	ALTIMETER SETTING (Ins.) (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER'S INITIALS (16)
SA	[illegible]	M11OVC	7			166	64	54	24	06		002	/63	FH
SA	0553	M12OVC	7			173	64	54	25	06		004		RHS
SP	0619	M13OVC	7						26	04		005	/TOPS 023	RHS
SA	0653	M14OVC	7			180	64	58	24	09		006	/314 1511	RHS
SP	0730	M15OVC	7						30	08		007		RHS
SA	0747	M15OVC	5		H	186	66	58	29	07		008		RHS
SA	0847	M17OVC	7			186	67	58	30	06		008		RHS
SA	0949	M19OVC	8			190	68	58	35	03		009	/108 1511 63	RHS
SA	1052	M23 BKN	7			183	72	57	27	07		007		RHS
SP	1107	23SCT	7						30	05		006		RHS
SA	1150	CLR	13			173	74	58	20	08		007		RHS
SA	1250	CLR	12			169	74	58	18	12		003	/819	RHS
SA	1349	CLR	14			166	74	58	20	10		002		ML
SA	1449	CLR	14			156	74	58	19	13		999		ML
SA	1549	CLR	12			152	74	58	26	08		998	/617 77	AD
SA	1648	CLR	12			149	71	58	30	08		997	/FEW SC DSNT W	AD
SA	1749	CLR	10			149	69	59	28	10		997	/SC DSNT SW-NW	AD
SA	1848	CLR	10			152	66	59	27	08		998	/SC DSNT SW-NW/500 1500	AD
SA	1950	CLR	8			159	65	59	28	08		000	/SC DSNT SW-W	AD
SA	2047	CLR	8			166	65	59	28	07		002	/FEW SC	AD
SA	2151	CLR	8			169	64	59	28	08		003	/SC DSNT S-W/115 /500 77	AD
SA	2249	~~CLR~~ 15SCT	8			169	64	59	30	07		003	/LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x h VV$ Nddff $1 s_n TTT$ $2 s_n T_d T_d T_d$ $3 P_o P_o P_o P_o$ 4PPPP 5appp $6 RRR t_R$ $7 ww W_1 W_2$ $8 N_h C_L C_M C_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

☆U.S.GPO:1983-0-654-000/8010

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 18 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mb.)	TEMP °F	DEW PT °F	WIND DIRECTION (00-36)	WIND SPEED (Kts.)	WIND CHARACTER	ALTIMETER SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER INITIALS
1	2	3	4a	4b	5	6	7	8	9	10	11	12	13	13a
SA	0447	M14 OVC	7			167	64	57	00	00		003	/ CIG RGD VSBY LWR NE	BKW
													/ 62	/
SA	0554	M14 OVC	6		H	173	64	58	30	04		004	/ CIG RGD TOPS 024	BKW
SA	0652	M14 OVC	5		H	176	65	58	31	04		005	/ CIG RGD / 12 15//	BKW
SA	0751	M14 OVC	6		H	180	65	57	18	04		006	TOPS 024	BKW
SP	0804	M15 OVC	7						12	03		006		BKW
SA	0852	M17 OVC	6		H	180	67	58	24	04		006		BKW
SA	0958	M17 OVC	6		H	183	70	58	23	06		007	/ BINOVC / 20 7 15// 62	ML
SP	1012	22 SCT	6		H				14	09		007	/ CIG LWR NE-SE	BKW
SA	1054	22 SCT	7			183	71	59	19	09		009		BKW
SA	1151	CLR	8			176	72	58	17	10		005		BKW
SA	1249	CLR	8			173	74	58	20	12		004	/ 610	BKW
SA	1349	CLR	8			166	78	58	25	08		002		ML
SA	1449	CLR	10			159	78	57	25	09		000	/ CI E	ML
SA	1550	CLR	12			152	73	57	28	09		998	/ FEW AC / 720 1070 79	AD
SA	1649	CLR	14			152	71	57	28	10		998	/ FEW AC SC DSNT W	AD
SA	1757	CLR	14			152	68	58	28	11		998	/ FEW ACCAS NW AC SW-NW	AD
													SC DSNT N	
SA	1850	CLR	12			152	66	57	27	10		998	/ FEW ACCAS SW-N SC DSNT W	AD
													/ 500 1580	
SA	1952	CLR	10			156	65	57	28	08		999	/ SC DSNT SW-W	AD
SA	2048	CLR	10			163	65	57	28	07		001		AD
SA	2150	CLR	10			166	64	56	29	06		002	/ 1 1/2 79	AD
SA	2249	CLR	10			166	64	57	31	05		002	/ 49ST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii IRixhVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

☆U.S.GPO:1983-0-684-008/8010

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 19 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mbs.)	TEMP	DEW PT	WIND DIRECTION (00=Calm)	WIND SPEED (Kts.)	CHARACTER	ALTIMETER SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER INITIALS
SA	0747	E150 3KN	8			159	62	57	14	04		000	/FEW ST S-SW/ 60	JKW
SA	0852	E150 BKN	8			159	63	58	13	04		000	/FEW ST DSNT SE-S	JKW
SA	0654	E150 BKN	8			163	68	59	11	05		001	/FEW SC S-W/ 30 1530	JKW
SA	0	150 -BKN	8			166	68	59	14	09		002	/FEW SC	JKW
SA	0853	E150 BKN	8			166	70	59	15	06		002	/FEW SC	JKW
SA	0952	E150 BKN	8			166	74	60	17	05		002	/ 103 1030 60	JKW
SA	1048	150 SCT	8			163	78	59	11	05		001		JKW
SA	1150	E150 BKN	10			156	75	59	18	12		999		JKW
SA	1249	E150 BKN	8			152	77	58	17	10		998	/ 714 1030	JKW
SA	1349	E150 BKN	8			146	79	58	19	08		996		ML
SA	1444	E150 BKN	12			139	81	59	27	04		994		ML
SA	1554	150 SCT E250 BKN 300 BCN	12			132	77	60	27	08		992	/ 720 / 039 82	AD
SA	1650	170 SCT E250 BKN 300 BKN	14			132	74	56	28	07		992	/FEW ACCAS NW-E	AD
SA	1750	170 SCT E250 BKN	15			132	71	54	27	08		992	/FEW ACCAS N-E	AD
SA	1851	E170 BKN 250 BKN	20			135	70	56	28	07		993	/ 303 / 072	AD
SA	1948	E170 BKN 250 BKN	12			142	68	57	28	06		995		AD
SA	2051	E170 BKN	12			149	67	58	28	06		997		AD
SA	2150	E170 OVC	12			149	68	56	29	06		997	/B1NOVC / 114 / 07 / 82	AD
SA	2248	E170 OVC	12			149	67	57	29	05		997	/B1NOVC LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

*U.S.G.P.O. 1989-0-264-039/80110

MF 1-10A
(5-63)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

SURFACE WEATHER OBSERVATIONS

DATE: AUG 20 1987

TO CONVERT LST TO GMT ADD 8 hrs SUBTRACT ___ hrs.

TYPE 1	TIME (LST) 2	SKY AND CEILING Hundreds of Feet 3	VISIBILITY (Miles) SURFACE 4	VISIBILITY TOWER 4a	WEATHER AND OBSTRUCTIONS TO VISION 5	SEA LEVEL PRESS. Mbs. 6	TEMP °F 7	DEW PT °F 8	WIND DIRECTION 9	WIND SPEED Kts. 10	WIND CHARACTER 11	ALTIMETER SETTING (Ins.) 12	REMARKS AND SUPPLEMENTAL CODED DATA 13	OBSERVER'S INITIALS 15
SA	0448	160 SCT	10			142	63	58	12	03		995	/ 61	RLW
SA	0555	160 SCT	14			142	62	58	08	05		995		RLW
SA	0651	160 SCT	12			149	67	60	12	06		997	/ 308 1070	RLW
SA	0747	200 SCT	10			149	71	58	11	07		997		RLW
SA	0852	200 SCT	15			156	70	58	16	10		999	/VSBY LWR SW-NW	RLW
SA	0750	CLR	15			156	72	59	16	07		999	/FEW CU AC DSNT NE-E	RLW
/													/ 108 1170 61	/
SA	1053	CLR	20			156	74	59	18	10		999	/ACSL N OMTNS CU NE	RLW
/													CI S	/
SA	1152	CLR	20			152	76	57	18	08		998	/ACSL N-NE OMTNS CU	RLW
/													NE CI S	/
SA	1249	300 SCT	15			152	78	57	20	11		998	/ACSL N AND NE OMTNS	RLW
/													CU NE/ 603 1142	/
SA	1349	CLR	20			146	78	59	19	09		996	/FEW CU AC CI	ML
SA	1449	CLR	20			142	77	60	18	08		995	/FEW AC CI	ML
SA	1552	CLR	15			135	79	56	14	06		993	/FEW ACSL CI N-E /	AD
/													717 1042 79	/
SA	1650	CLR	15			135	76	59	29	09		993	/FEW CI ACSL NW-N	AD
SA	1750	CLR	15			135	73	60	29	08		993	/FEW ACSL NW-N	AD
SA	1850	CLR	20			139	70	56	28	09		994	/ACSL N-NE /303 1040	AD
SA	1948	CLR	20			146	65	56	28	06		996		AD
SA	2048	CLR	15			149	67	56	29	06		997		AD
SA	2149	CLR	12			152	67	57	29	06		998	/ 114 80	AD
SA	2248	CLR	12			156	65	58	32	04		999	/LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $iR_{ix}hVV$ Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-63) WHICH MAY BE USED.

*U.S.GPO:1983-0-684-008/8010

MF 1-10A (5-83) — U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 21 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE (1)	TIME (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles: SURFACE (4)	VISIBILITY Miles: TOWER (4a)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. Mbs. (6)	TEMP °F (7)	DEW PT °F (8)	WIND: DIRECTION 00-36 (9)	WIND: SPEED Kts. (10)	WIND: CHARACTER (11)	ALTIMETER SETTING Inches (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER'S INITIALS (13)
SA	0447	CLR	12			156	62	57	00	00		999	/ 61	BKW
SA	0553	CLR	12			159	63	58	11	03		000	/ FEW SC SW-W SBY LWR	BKW
													NE-SE	
SA	0655	CLR	8			163	68	59	07	03		001	/ VSBY MTR SW 307	BKW
SA	0752	CLR	8			166	70	58	14	06		002		BKW
SA	0848	CLR	8			166	73	58	17	04		002		BKW
SA	0950	CLR	8			169	74	58	18	09		003	/ 307 61	BKW
SA	1052	CLR	14			166	76	57	19	06		002	/ VSBY LWR W-N	BKW
SA	1151	CLR	15			163	78	55	17	10		001		BKW
SA	1249	CLR	20			159	79	53	20	09		000	/ 7/0	ML
SA	1349	CLR	20			159	80	53	17	10		000	/ CU DSNT NE	ML
SA	1449	CLR	20			152	82	57	27	08		998	/ CU DSNT NE	ML
SA	1551	CLR	20			149	88	54	28	10		997	/ CU DSNT NE FEW CU 810	RMS
													1102 83	
SA	1649	250 SCT	25			149	76	53	28	12		997	/ CU DSNT E	RMS
SA	1752	250 SCT	25			149	72	57	24	12		997		RMS
SA	1851	250 SCT	25			152	69	57	28	12		998	/ 303 LOC	RMS
SA	1949	250 SCT	25			159	67	55	29	08		000		RMS
SA	2052	CLR	20			166	66	54	29	06		002		RMS
SA	2151	CLR	20			169	67	52	27	10		003	/ 117 83	RMS
SA	2247	CLR	20			173	67	50	28	10		004	/ LAST	RMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Ndeff $1s_n$TTT $2s_n T_d T_d T_d$ $3P_o P_o P_o P_o$ 4PPPP Sappp 6RRRt_R $7ww W_1 W_2$ $8N_h C_L C_M C_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

*U.S.GPO:1983-0-604-020/10010

MF 1-10A
(5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 2 2 1987

TO CONVERT LST TO GMT ADD 8 hrs. SUBTRACT ____ hrs.

Type (1)	Time (LST) (2)	Sky and Ceiling (Hundreds of Feet) (3)	Visibility (Miles) Surface (4)	Visibility Tower (4a)	Weather and Obstructions to Vision (5)	Sea Level Press. (Mbs.) (6)	Temp °F (7)	Dew Pt °F (8)	Wind Direction (9)	Wind Speed Kts. (10)	Wind Character (11)	Altimeter Setting (Ins.) (12)	Remarks and Supplemental Coded Data (13)	Observer's Initials (14)
SA	0449	CLR	20			176	61	55	00	00		005	/AC DSNT NE-SE 54	AD
SA	0550	CLR	20			183	62	56	27	04		007	/FEW SC S-SW AC DSNT E-SE	AD
SA	0650	CLR	15			180	66	57	34	03		008	/FEW AC DSNT E-SE/	AD
/													114 1070	/
SA	0749	CLR	14			190	69	58	00	00		009		AD
SA	0848	CLR	15			190	74	56	00	00		009	/FEW AC DSNT E-SE	AD
SA	0950	CLR	14			190	74	56	14	05		009	/FEW AC DSNT E-SE/	AD
/													103 1070 59	/
SA	1049	CLR	15			190	77	56	17	08		009		AD
SA	1148	CLR	20			183	80	52	28	10		007	/CI DSNT NW	AD
SA	1249	CLR	25			183	79	51	27	09		006	/CI DSNT NW/ 610 1002	AD
SA	1355	CLR	25			173	79	51	28	11		004		RMS
SA	1453	CLR	30			166	78	51	28	14		002		RMS
SA	1551	CLR	35			163	75	51	28	14		001	/719 81	RMS
SA	1650	CLR	35			159	73	51	27	13		000		RMS
SA	1747	CLR	35			159	71	54	27	10		000		RMS
SA	1846	CLR	35			163	68	55	28	11		001	/500	RMS
SA	1947	CLR	30			169	66	56	29	10		003		RMS
SA	2053	CLR	30			173	66	52	28	07		004		RMS
SA	2150	CLR	30			173	66	54	32	06		004	/115 9	RMS
SA	2246	CLR	30			173	65	53	30	06		004	/LAST	RMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x hVV$ Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp $6RRRt_R$ $7wwW_1W_2$ $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-63) WHICH MAY BE USED.

U.S.GPO:1983-0-[illegible]

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 23 1987

TO CONVERT LST TO GMT: ADD 8 HRS. SUBTRACT ____ HRS.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mbs.)	TEMP (°F)	DEW PT (°F)	WIND DIRECTION (00-36)	WIND SPEED (Kts.)	WIND SPEED (Meters)	ALTIMETER SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER INITIALS
SA	0449	CLR	30			166	57	55	00	00		002	/FEW CI N 59	AD
SA	0548	CLR	15			173	60	55	00	00		004	/FEW ST S CI SW-NE	AD
L	0607	CLR	15				60	55	08	04		004	/FEW ST DSNT S CI SW-NE	AD
													(ACFT MIS MAP)	
SA	0650	250 - SCT	15			176	64	56	09	03		005	/ 110 1001	AD
SA	0751	250 - SCT	14			176	69	55	17	04		005	/FEW SC S-SW	AD
SA	0852	250 - SCT	14			176	72	54	20	05		005	/FEW SC DSNT S-SW	AD
SA	0951	250 - SCT	14			176	74	57	18	07		005	/ 400 1001 58	AD
SA	1047	250 - SCT	15			176	74	56	18	05		005		AD
SA	1147	250 SCT	20			169	76	53	20	06		003		AD
SA	1249	250 SCT	25			166	77	49	19	09		002	/ 812 1002	AD
SA	1354	250 SCT	25			156	78	50	18	09		999		RMS
SA	1446	250 SCT	25			152	80	54	26	09		998		RMS
SA	1553	250 SCT	25			16	76	55	24	08		997	/ 714 1002 SCI	RMS
SA	1646	250 SCT	25			142	75	56	26	09		997		RMS
SA	1751	250 SCT	25			142	70	55	24	12		995		RMS
SA	1846	250 - SCT	30			1446	54	27	10			996	1500 1001	RMS
SA	1955	CLR	30			1565	66	56	27	06		998	/ FEW CI	RMS
SA	2046	CLR	25			159	65	57	30	05		000		RMS
SA	2150	CLR	15			159	65	56	35	05		000	/ 114 SCI	RMS
SA	2246	CLR	15			163	63	56	10	03		001	/ LAST	RMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iR$_i$ihVV Nddff 1s$_0$TTT 2s$_0$T$_d$T$_d$T$_d$ 3P$_o$P$_o$P$_o$P$_o$ 4PPPP Sappp 6RRRt$_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

• U.S.GPO: 1983-0-084-008/8010

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 24 1987

TO CONVERT LST TO GMT: ADD ___ HRS. SUBTRACT ___ HRS.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mbs.)	TEMP (°F)	DEW PT (°F)	WIND DIRECTION (10s of Degs.)	WIND SPEED (Knots)	WIND CHARACTER	ALTIMETER SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
	1	2	3	4a	5	6	7	8	9	10	11	12	13	13a
SA	0447	10 SCT	8			1561	61	57	11	03		999	/ SCT V BKN / 58	RKW
SP	0506	M12 BKN	8						03	04		999	/ CIG RGD	RKW
SA	0552	M14 OVC	10			159	62	57	00	00		000	/ SML BINOVC TOPS 022	RKW
SP	0610	M15 OVC	10						36	33		000	/ SML BINOVC	RKW
SA	0651	M18 OVC	14			163	65	57	14	03		001	/ 307 15//	RKW
SA	0755	M21 OVC	15			166	67	56	15	05		002	/ SML BINOVC DVHD	RKW
													TOPS 027	
SA	0853	M22 BKN	15			166	68	56	16	08		002		RKW
SP	0927	25 SCT	15						12	06		002	/ SCT V BKN	RKW
SA	0750	25 SCT	15			166	70	56	18	08		002	/ FEW LWR SC SE / 103	RKW
													1500 58	
SA	1048	18 SCT	15			166	71	57	17	08		002		RKW
SA	1151	CLR	15			163	71	57	14	12		001		RKW
SA	1249	CLR	15			159	71	56	15	10		000	/ 707	RKW
SA	1349	CLR	20			152	72	57	19	10		998		ML
SA	1449	CLR	20			146	71	57	16	07		996		ML
SA	1549	CLR	20			139	71	57	20	06		994	/ 720 72	AD
SA	1649	CLR	20			135	69	58	18	08		993	/ FEW SC DSNT W	AD
SA	1748	CLR	20			139	68	57	16	08		994	/ FEW SC DSNT W	AD
SA	1848	CLR	20			139	67	58	16	06		994	/ FEW SC DSNT W / SCD 1500	AD
SA	1950	CLR	15			146	66	58	14	04		996	/ FEW SC W	AD
SA	2048	CLR	12			152	65	58	13	06		998	/ SC SW-W AND NE-E	AD
SA	2151	21 SCT	12			156	64	58	15	05		999	/ 117 1500 72	AD
SP	2209	M17 BKN	10						12	06		999		AD
SA	2249	M20 BKN	10			159	64	58	12	04		000	/ LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iR_ihVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP Sappp $6RRR_tR$ $7wwW_1W_2$ $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

☆U.S.GPO:1983-0-684-038/60010

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 25 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE (1)	TIME (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles: SURFACE (4a)	VISIBILITY Miles: TOWER (4b)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. Mbs. (6)	TEMP °F (7)	DEW PT °F (8)	WIND DIRECTION 00-36 (9)	WIND SPEED Kts. (10)	WIND CHARACTER (11)	ALTIMETER SETTING Ins. (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13a)	OBSERVER INITIALS (13b)
SA	0447	M21 OVC	15			156	65	56	00	00		999	/ FEW LWR SC / 63	BKW
SA	0554	M21 OVC	15			159	65	56	13	06		000	/ TOFS 030	BKW
SA	0651	M21 OVC	15			163	66	56	13	06		001	/ 210 15//	BKW
SA	0752	M21 OVC	15			166	67	55	20	05		002	/ VSBY LWR NE TOPS 030	BKW
SA	0853	M23 OVC	12			169	68	56	19	05		003	/ VSBY HIR SW	BKW
SA	0950	M25 BKN	12			173	70	56	22	07		004	/ 210 1500 63	BKW
SP	1024	28 SCT	12						16	08		004	/ SCT V BKN	BKW
SA	1051	28 SCT	12			169	73	56	22	07		003		BKW
SA	1148	CLR	15			166	73	55	20	07		002		BKW
SA	1246	CLR	15			163	72	55	20	10		001	/ 710	RMS
SA	1350	CLR	15			159	73	56	17	10		000		RMS
SA	1450	CLR	15			156	73	55	16	10		999		RMS
SA	1550	CLR	15			149	72	56	17	09		997	/ FEW SC DSNT W / 814 1500	AD
SA	1647	CLR	15			146	73	56	28	07		996		AD
SA	1749	CLR	15			146	70	56	27	10		996	/ FEW CI W-NW	AD
SA	1849	CLR	15			149	67	56	28	08		997	/ CI W-NW / 500 1002	AD
SA	1949	CLR	14			156	65	57	28	06		999		AD
SA	2050	CLR	10			163	65	57	28	06		001		AD
SA	2150	CLR	10			166	65	57	30	05		002	/ / 15 74	AD
SA	2249	CLR	8			166	64	57	00	00		002	/ LAST * FEW SC W	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_n$TTT $2s_n T_d T_d T_d$ $3P_o P_o P_o P_o$ 4PPPP Sappp 6RRRt_R 7ww$W_1 W_2$ $8N_h C_L C_M C_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

*U.S.GPO:1988-0-604-088/80016

MF1-10A (5-83) — U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 26 1987

TO CONVERT LST TO GMT: ADD 8 Hrs. SUBTRACT ____ Hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mbs.)	TEMP °F	DEW PT °F	WIND DIRECTION (00=Calm)	WIND SPEED (Kts.)	WIND CHARACTER	ALTIMETER SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
1	2	3	(4)	4a	5	6	7	8	9	10	11	12	13	14
SA	0447	10 SCT	5		FH	169	62	58	02	03		003	/CIG LWR NE-SE/ 61	BKW
SP	0539	E10 BKN	5		FH				36	03		004	/BKN V SCT	BKW
SA	0551	E12 BKN	4		FH	173	63	59	35	04		004		BKW
SA	0653	M13 BKN	4		H	180	65	58	33	03		006	/CIG RGD/ 310 1500	BKW
SP	0740	15 SCT	4		HK				28	03		007		BKW
SA	0752	15 SCT	4		HK	183	68	58	24	04		007		BKW
SP	0812	M16 BKN	4		HK				28	05		007	/BKN V SCT CIG LWR	BKW
													SE-S	
SA	0853	M19 BKN	4		HK	183	70	58	17	08		007	/WND 15V23	BKW
SA	0950	M21 BKN	5		HK	183	71	58	21	08		007	/ 103 1500 61	BKW
SP	1016	20 SCT	6		HK				17	12		007	/VSBY LWR NE	BKW
SA	1052	20 SCT	7			183	72	58	21	09		007		BKW
SA	1151	CLR	7			176	73	59	18	08		005		BKW
SA	1249	CLR	7			169	76	59	17	08		003	/FEW CU DSNT N/ 814	BKW
													1100	
SA	1349	CLR	10			166	78	59	29	11		002	/ FEW CU DSNT N	ML
SA	1449	CLR	10			159	77	59	29	08		000	/FEW CU DSNT N	ML
SA	1550	CLR	7			156	74	59	29	09		999	/HAZY /715 79	RMS
SA	1656	CLR	9			156	72	60	26	09		999	/VSBY LWR W	RMS
SA	1746	CLR	15			159	71	60	29	09		000		RMS
SA	1857	CLR	15			163	68	58	30	05		001	/SC SW-NW HRZN/ 306 15C	RMS
SA	1947	CLR	10			176	68	60	30	07		005		RMS
SA	2048	CLR	8			183	67	60	31	05		007		RMS
SA	2150	CLR	7			183	66	60	31	06		007	/119 79	RMS
SA	2246	CLR	8			183	66	59	30	06		007	/FEW SC LAST	RMS

A sympotic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following colored Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRt 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (11-83) WHICH MAY BE USED.

• U.S.GPO:1983-0-684-008/8010

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 27 1987

TO CONVERT LST TO GMT: ADD 8 Hrs. SUBTRACT ____ Hrs.

TYPE (1)	TIME (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles: SURFACE (4)	VISIBILITY Miles: TOWER (4a)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. Mbs. (6)	TEMP °F (7)	DEW PT °F (8)	WIND: DIRECTION 100s Degs (9)	WIND: SPEED Kts. (10)	WIND: CHARACTER (11)	ALTIMETER SETTING Ins. (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER INITIALS (15)
SA	0447	CLR	7			173	63	58	31	04		004	/VSBY LWR NE-SE/ 62	RW
SA	0554	CLR	6		H	176	62	58	28	03		005	/K LYR ALOFT N-N	RW
SA	0651	3 -SCT	9		H	176	65	59	30	05		005	/K10 -SCT/ 02	RW
SA	0755	CLR	5		H	173	71	60	27	04		004		RW
SA	0852	CLR	6		HK	173	73	60	24	04		004		RW
SA	0950	CLR	7			173	74	60	20	08		004	/ 03 62	RW
SA	1053	CLR	8			169	81	59	35	04		003	/FEW CU DSNT N-NE	RW
SA	1148	CLR	10			163	81	59	32	08		001	/FEW CU DSNT N-NE	RW
SA	1249	CLR	10			156	82	60	29	09		999	/FEW MOTCU N-E /817	ML
/													1200	/
SA	1349	CLR	10			152	79	60	28	13		998	/MOT CU N-E	ML
SA	1449	CLR	9			146	78	59	26	12		996	/FEW CU AC N-NE	ML
SA	1550	CLR	10			142	76	60	28	11		995	/MOT CU N-NE/815 26C	MD
													83	—
SA	1646	CLR	9			142	73	59	29	10		995	/VSBY LWR W	RMS
SA	1750	CLR	8			142	71	61	28	08		995	/HAZY	RMS
SA	1846	CLR	7			146	68	61	26	05		996	/303	RMS
SA	1946	CLR	8			152	69	60	31	04		998		RMS
SA	2046	CLR	7			163	68	61	02	03		001		RMS
SA	2155	CLR	7			163	67	61	17	04		001	/ 119 83	RMS
SA	2247	CLR	7			163	66	62	16	05		001	/LAST	RMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRRt_R 7wwW_1W_2 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-68) WHICH MAY BE USED.

☆U.S.GPO:1983-0-684-005/6010

MF 1-10A (5-83) — U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

8/28

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 28 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mbs.)	TEMP (°F)	DEW PT (°F)	WIND DIRECTION (10's Deg.)	WIND SPEED (Kts.)	CHARACTER	ALTIMETER SET. TIME (Hrs.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
SA	0452	CLR	2½		FH	146	64	60	28	04		996	/ G3	AD
SA	0548	12-SCT	2½		FH	152	64	61	18	04		998		AD
SP	0631	-X 9-BKN	2		FH				00	00		999	/FH1	AD
SA	0650	-X M9BKN	2		FH	159	67	62	30	04		000	/FH1 TOPS 020/305 1600	AD
SP	0724	-X M10 OVC	2		FH				00	00		000	/FH1	AD
SA	0745	-X M11 OVC	2		H	163	67	62	00	00		001	/H1 FEW TRW SPOTS 10V'C	AD
SA	0849	-X M10 OVC	2		H	163	67	62	16	04		001	/H1	AD
SP	0923	-X M 11 BKN	2½		H				16	07		001	/H1	AD
SP	0935	-X 11 SCT	2½		H				18	03		001	/H1	AD
SA	0950	-X 12 SCT	2½		H	159	72	62	14	05		000	/H1 / 002 1600 63	AD
SP	1012	CLR	3		H				20	04		000		AD
SA	1048	CLR	3		H	152	78	62	19	09		998		AD
SA	1151	CLR	4		H	146	75	62	18	08		996		AD
SA	1250	CLR	4		H	139	76	62	18	11		994	/ 822	AD
SA	1349	CLR	6		H	132	75	62	17	V2		992	/MDT CU N-NE	ML
SA	1449	CLR	8			129	81	63	29	08		991	/MDT CU N	ML
SA	1553	CLR	7			125	79	62	31	08		990	/MDT CU N-NE/ 714	RHB
													1200 82	—
SA	1649	CLR	7			129	76	61	28	06		991	/USBY LWR W	RMS
SA	1749	CLR	7			129	74	62	24	04		991	/HAZY	RMS
SA	1853	CLR	7			139	67	62	16	08		994	/ 314	RMS
SP	1915	9 SCT	6		H				17	08		995		RMS
SP	1937	7SCT	5		H				17	10		996	/ST INCRG	RMS
SP	1944	M7BKN	6		H				18	08		996		RMS
SA	1953	M7OVC	6		H	146	66	62	18	08		996	/BINOVC	RMS
SA	2053	M 7OVC	6		FH	152	66	62	08	04		998		RMS
SP	2142	M8BKN	5		FH				01	04		997	/BKN OCNLY SCT	RMS
RS	2153	8SCT	5		FH	149	65	62	02	04		997	/SCT V BKN/012 1500 82	RMS
SA	2249	9SCT	5		FH	149	66	62	18	03		997	/LAST	RMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Ndddff $1s_n$TTT $2s_n$TdTdTd $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRRt_R 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

*U.S.GPO:

MF 1-10A
(5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 29 1987

TO CONVERT LST TO GMT ADD ____ hrs. SUBTRACT ____ hrs.

SURFACE WEATHER OBSERVATIONS

TYPE (1)	TIME (LST) (2)	SKY AND CEILING (Hundreds of Feet) (3)	VISIBILITY (Miles) SURFACE (4)	VISIBILITY TOWER (4a)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. (Mbs.) (6)	TEMP (°F) (7)	DEW PT (°F) (8)	WIND DIRECTION (00-36) (9)	WIND SPEED (Kts.) (10)	WIND CHARACTER (11)	ALTIMETER SETTING (Ins.) (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER'S INITIALS (18)
SA	0451	M 7 OVC	2½		FH	149	66	62	19	04		997	/ 65	AD
SP	0532	M 7 OVC	2		FH				19	05		978		AD
SA	0549	M 7 OVC	2		FH	156	66	62	13	04		999	/ TOPS 015	AD
SA	0651	4SCT M6OVC	2		FH	163	65	62	16	08		001	/310 16//	AD
SP	0704	M4BKN 6OVC	2		FH				19	06		001		AD
S?	0740	4SCT M5OVC	2		FH				18	07		001		AD
SA	0748	4SCT M5OVC	2		FH	166	65	62	21	05		002		AD
SP	0824	5SCT M6OVC	2½		FH				18	04		002		AD
SA	0848	5SCT M7OVC	2½		FH	166	66	62	22	03		002		AD
SP	0920	M 8 OVC	3		FH				22	03		003		AD
SA	0950	M 9 OVC	3		FH	169	67	62	18	05		003	/208 16// 64	AD
SP	1035	M 10 OVC	4		H				16	06		003		AD
SA	1048	M 11 OVC	4		H	169	68	62	19	05		003		AD
SA	1150	M 12 OVC	4		H	166	71	62	15	04		002	/BINOVC HIR CLDS VSB	AD
/													TOPS 022	/
SP	1215	14SCT 150SCT	4		H				18	07		001	/14 SCT V BKN	AD
SA	1251	150 SCT	5		H	159	73	62	19	07		000	/FEW SC ACCAS SE-SW/	AD
/													810 1580	/
SA	1355	100 SCT 150 SCT	5		H	156	74	62	17	09		999	/CB SE MOVG NW ACCAS	RLW
/													ALQDS	/
SA	1451	120 SCT	6		H	149	74	62	17	08		997	/CB SE DISFTD ACCAS	RLW
/													SW MDT CU N-NE	/
SA	1550	120 SCT	6		H	149	72	62	18	07		997	/MDT CU DSNT N-NE	RLW
/													/ 610 1270 74	/
SA	1649	CLR	6		H	149	71	62	18	08		997	/MDT CU DSNT N-NE	RLW
SA	1753	CLR	6		H	149	69	62	19	09		997	/TCU DSNT N	RLW
SA	1852	CLR	7			152	68	62	16	05		998	/ 303	RLW
SA	1947	CLR	7			159	68	61	30	06		000		RLW
SA	2048	CLR	7			159	68	61	30	05		000		RLW
SA	2150	CLR	7			163	67	61	30	05		001	/ 310 74	RLW
SA	2254	CLR	6		H	163	67	61	30	03		001	/ LAST	RLW

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3PoPoPoPo 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

U.S. GPO: 1983-0-654-888/8010

MF 1-10A (3-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 30 1987

TO CONVERT LST TO GMT: ADD 8 Hrs. SUBTRACT ____ Hrs.

TYPE (1)	TIME (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles: SURFACE (4a)	VISIBILITY Miles: TOWER (4b)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. Mbs. (6)	TEMP °F (7)	DEW PT °F (8)	WIND: DIRECTION 00-36 (9)	WIND: SPEED Kts. (10)	WIND: CHARACTER (11)	ALTIMETER SETTING (Ins.) (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER'S INITIALS (13b)
SA	0450	M 9 OVC	3		FH	166	66	62	30	03		002	/ 64	AD
SA	0535	M 9 OVC	2½		FH				36	04		002		AD
SA	0547	M 9 OVC	2½		FH	169	66	62	31	05		003		AD
SA	0609	M 9 OVC	2		FH				29	04		003	/ TOPS CTS	AD
SA	0650	M 9 OVC	2		FH	173	67	62	03	04		004	/307 16//	AD
SA	0747	M 9 OVC	2		FH	176	68	62	26	03		005		AD
SA	0822	-X M10 OVC	2		FH				00	00		005	/FH1	AD
SA	0847	-X M11 OVC	2		H	180	70	62	27	04		006	/H1	AD
SA	0922	-X M13 OVC	2¼		H				18	05		006	/H1 THN SPOTS 10 VC	AD
SA	0938	-X M15 BKN	2¼		H				22	07		006	/H1	AD
SA	0950	-X 16 - BKN	2¼		H	180	73	63	25	05		006	/H1 / 005 1600 64	AD
SA	1006	-X 18 - SCT	3		H				17	04		006	/H1	AD
SA	1049	- X	3		H	176	75	62	22	10		005	/H1	AD
SA	1148	CLR	4		H	173	76	62	18	09		004		AD
SA	1253	CLR	5		H	166	82	62	28	08		002	/FEW CU N CB NE-E / 8/2 1900	AD
SA	1351	CLR	8			163	83	61	28	10		001	/CU DSNT N CB NE-E	RKW
SA	1454	CLR	14			156	80	61	29	08		999	/CU DSNT N CB NE-E	RKW
SA	1550	CLR	14			156	78	61	26	07		999	/CB DSNT N-E MOVG NW 610 1900 83	RKW
SA	1652	CLR	12			156	76	60	28	07		999	/CB DSNT N AND NE MOVG NW CB E DISPTD	RKW
SA	1748	CLR	12			156	72	60	29	10		999	/CB DSNT N MOVG N CB NE DISPTD CI NE	RKW
SA	1849	CLR	12			159	70	61	30	10		000	/CB DSNT N*CI NE 303 1903*DNL LTGIC	RKW
SA	1953	CLR	12			166	68	61	30	06		002		RKW
SA	2047	CLR	12			169	68	61	30	07		003		RKW
SA	2150	CLR	8			169	67	62	30	06		003	/FEW ST DSNT W/ 110 1600 83	RKW
SA	2255	1/2 SCT	6		H	173	66	62	30	05		004	/LAST	RKW

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3PoPoPoPo 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (11-83) WHICH MAY BE USED.

*U.S.GPO:1988-0-554-038/60110

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 3 1 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mbs.)	TEMP °F	DEW PT °F	WIND DIRECTION (00-36)	WIND SPEED (Kts.)	WIND CHARACTER	ALTIMETER SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
1	2	3	4	5	6	7	8	9	10	11	12	13		
SA	0453	100 SCT 150 SCT	7			163	64	60	00	00		001	/FEW ALCAS 63	AD
SA	0550	100 SCT E150 BKN 250 BKN	6		H	169	64	60	33	03		003	/ALCAS ALQDS VIRGA NW-E	AD
SA	0652	E150 BKN 250 BKN	6		H	173	67	61	31	04		004	/ALCAS ALQDS FEW MDT CU S-W /108 1283	AD
SA	0750	E150 BKN 300 BKN	5		H	176	70	61	28	04		005	/ALCAS ALQDS FEW MDT CU S-W	AD
SA	0850	E150 BKN 300 BKN	5		HK	173	74	62	29	07		004	/VSBY LWR E-S ALCAS ALQDS	AD
SA	0951	E150 BKN 300 BKN	6		HK	176	73	60	28	08		005	/ALCAS ALQDS TCU N-NE /303 1282 63	AD
SA	1051	150 SCT E200 BKN 300 BKN	12			169	78	59	24	07		003	/TCU N-NE CB DSNT NE ALCAS S-W	AD
SA	1150	150 SCT 200 SCT 300 SCT	10			166	82	59	24	06		002	/TCU N-NE CB DSNT NE-SE ALCAS S-W	AD
SA	1252	80 SCT 150 SCT 200 SCT 300 SCT	12			163	82	58	29	07		001	/CINE CB DSNT N-SE ALCAS VIRGA S-W /715 1983	AD
SA	1350	80 SCT 130 SCT 200 SCT	15			156	80	57	29	08		999	/CB DSNT N ALCAS S	ML
SA	1449	80 SCT E130 BKN 200 BKN	15			152	81	58	27	08		998	/CB DSNT N ALCAS SE-S	ML
SA	1552	80 SCT E120 BKN 200 BKN	20			156	81	58	26	08		999	/CB N-NE ALCAS W-N-NE /507 1983 84	RMS
SA	1652	80 SCT E120 SCT 200 SCT	15			152	78	59	28	08		998	/CB N-NE ALCAS NW-NE	RMS
SA	1753	120 SCT 200-BKN	15			149	74	60	29	10		997	/CB N-NE	RMS
SA	1846	120 SCT 200-BKN	15			152	70	60	24	09		998	/502 1036	RMS
SA	1952	150 SCT 200-BKN	20			159	70	61	28	07		000		RMS
SA	2050	150 SCT 250 SCT	20			163	68	61	28	06		001		RMS
SA	2148	150 SCT 250 SCT	20			163	67	61	30	05		001	/110 1031 84	RMS
SA	2247	250 SCT	20			163	67	61	34	04		001	/LAST	RMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_n$TTT $2s_n T_d T_d T_d$ $3P_o P_o P_o P_o$ 4PPPP Sappp 6RRRt_R 7ww$W_1 W_2$ $8N_h C_L C_M C_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (11-83) WHICH MAY BE USED.

☆U.S.GPO:1989-0-664-058/80110

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 1 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Tenths)	PRECIPITATION (Ins.)	
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
00																									00-01
01																									01-02
02																									02-03
03																									03-04
04	48	29.845				0														0					04-05
05	43	29.855				0														0					05-06
06	51	29.855				0														0	5	.005			06-07
07	47	29.840				0														0					07-08
08	50	29.855				0														0					08-09
09	50	29.860				0	0	ACUNS	140											0	1	.010			09-10
10	49	29.850				0														0					10-11
11	50	29.825				0														0					11-12
12	50	29.810				0	0	ACUNS	140											0	7	.050			12-13
13	56	29.740				0														0					13-14
14	52	29.770				0														0					14-15
15	50	29.760				0														0	7	.050			15-16
16	53	29.760				0														0					16-17
17	50	29.760				0														0					17-18
18	47	29.770				2	2	K	7											2	3	.010			18-19
19	49	29.780				0														0					19-20
20	47	29.810				0														0					20-21
21	50	29.825				0														0	1	.055			21-22
22	46	29.835				0														0					22-23
23																									23-24

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.) 2300	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GROUND							SOIL TEMP.			
41		43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58		
	0447	X	0	0	X	69	64	X	X							X			
	0447	1	0	0	0	70	64												
	0947	2	0	0	0	84	64												
	1545	3	0	0	0	94	83												
	2145	4	0	0	0	87	69												
	2300	X	0	0	0	69	68	X	X							X			

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59	0948	1546	2146
ATT. THERM. 60			
CORR. BAR. 61			
TOTAL CORR. 62			
STA. PRESS. 63	29.860	29.760	29.825
BAROGRAPH 64	29.860	29.770	29.830
BAR. CORR. 65	0	-.010	-.005

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Knots)	PEAK WIND: DIRECTION	PEAK WIND: TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.): TOP	FROZEN GROUND LAYER (Ins.): BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
94	64	0	0	0	17	W	1532					0			

WEATHER & OBSTRUCTIONS TO VISION

TYPE 82	BEGAN 83	ENDED 84	TYPE 85	BEGAN 87	ENDED 88
F	CONT	0716			
H	CONT	1210			
K	0830	1210			

91. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P ± 0 Sec. / 1000P ± 0 Sec. / 2130P ± 0 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ○U.S.GPO 1983-0-764-006/6089

MP1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 2 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								
01																								
02																								
03																								
04	50	29.805				0														0				
05	49	29.810				0														0				
06	52	29.820				0	0	AC	140											0	3	.015		
07	57	29.830				0														0				
08	48	29.825				0														0				
09	51	29.820				0	0	AC	140											0	0	.000		
10	46	29.815				0														0				
11	57	29.800				0														0				
12	52	29.780				2	0	CB	80	0	ACAS	100	0	2	AC	140	2			2	8	.040		
13	46	29.760				3														2				
14	53	29.745				2														2				
15	57	29.740				2	0	CB	80	2	AC	150	2							2	6	.040		
16	48	29.730				1														1				
17	47	29.735				0														0				
18	52	29.750				0	0	CB	70											0	3	.010		
19	54	29.770				0														0				
20	53	29.740				0														0				
21	54	29.705				0														0	2	.055		
22	46	29.810				0														0				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.		
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58
	2300 0448	X	0	0	X	69	67	X	X						X		
	0448	1	0	0	0	69	67										
	0948	2	0	0	0	84	66										
	1546	3	0	0	0	90	62										
	2145	4	0	0	0	95	68										
	2300	X	0	0	0	69	68	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59	0950	1547	2145
ATT. THERM. 60			
CORRN. 61			
TOTAL CORR. 62			
SYA. PRESS. 63	29.820	29.740	29.705
CORRECTED 64	29.820	29.735	29.705
CORR. CORR. 65	0	-.015	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Knots)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICK. MEAS. OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
90	66	0	0	0	13	W	1647					1			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
92	93	94	95	97	98
F	CONT	0630			
H	CONT	0810			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P ±0 Sec./1000P ±0 Sec./2136P ±0 Sec.

Start of several occurrences

SP=

RS=

MP1-10B (10-83) SUPERSEDES MP1-10B (1-82) WHICH MAY BE USED. ☆U.S.G.P.O. 1983-0-784-035/10008

MF1-10B
(10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

SURFACE WEATHER OBSERVATIONS

DATE: AUG 3 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

CLOUDS AND OBSCURING PHENOMENA

TIME (L.S.T.) 16	STATION PRESSURE (Ins.) 17	DRY BULB (°F) 18	WET BULB (°F) 19	REL. HUMIDITY (%) 20	TOTAL SKY COVER 21	LOWEST LAYER AMT. 22	LOWEST LAYER TYPE 23	LOWEST LAYER HEIGHT 24	SECOND LAYER AMT. 25	SECOND LAYER TYPE 26	SECOND LAYER HEIGHT 27	SUMMATION TOTAL 28	THIRD LAYER AMT. 29	THIRD LAYER TYPE 30	THIRD LAYER HEIGHT 31	SUMMATION TOTAL 32	FOURTH LAYER AMT. 33	FOURTH LAYER TYPE 34	FOURTH LAYER HEIGHT 35	TOTAL OPAQUE SKY COVER 36	PRESSURE TENDENCY 37	NET 3-HR. CHANGE (Ins.) 38	SUNSHINE (Hrs.) 39	PRECIPITATION (Ins.) 40	HR.
00																									00-01
01																									01-02
02																									02-03
03																									03-04
04 49	29.800				1															1					04-05
05 50	29.810				1															1					05-06
06 50	29.820				1	1	AC	140												1	3	.015			06-07
07 49	29.830				0															0					07-08
08 49	29.830				0															0					08-09
09 50	24.830				0	0	AC	140												0	1	.010			09-10
10 49	29.830				1															1					10-11
11 49	29.815				1															1					11-12
12 49	29.795				0	0	TCu	80	0	AC	150	0								0	8	035			12-13
13 50	29.780				0															0					13-14
14 49	29.760				0															0					14-15
15 51	29.755				0	0	CU	100	0	AC	150	0								0	6	.040			15-16
16 50	29.760				0															0					16-17
17 49	29.760				0															0					17-18
18 52	29.785				0															0	3	.030			18-19
19 52	29.810				0															0					19-20
20 50	24.820				0															0					20-21
21 57	24.830				0															0	1	.045			21-22
22 48	29.830				0															0					22-23
23																									23-24

SYNOPTIC OBSERVATIONS

TIME (G.M.T.) 41	TIME (L.S.T.) 42	NO. 43	PRECIP. (Ins.) 44	SNOW FALL (Ins.) 45	SNOW DEPTH (Ins.) 46	MAX. TEMP. (°F) 47	MIN. TEMP. (°F) 48	49	STATE OF GRND. 50	51	52	53	54	55	SOIL TEMP. 56	57	58
	2300 TO 0447	X	0	0	X	69	65	X	X						X		
	0447	1	0	0	0	69	65										
	0947	2	0	0	0	80	65										
	1549	3	0	0	0	89	77										
	2148	4	0	0	0	84	68										
	2300	X	0	0	0	68	67	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59		0949	1550	2149
ATT. THERM. 60				
OBSERVED BAR. 61				
TOTAL CORR. 62				
STA. PRESS. 63		29.830	29.755	24.530
BAROGRAPH 64		29.835	29.7[illegible]	29.840
BAR. CORR. 65		-.005	-.015	-.010

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F) 66	24-HR. MIN. TEMP. (°F) 67	24-HR. PRECIP. WATER EQUIV. (Ins.) 68	24-HR. SNOWFALL UNMELTED (Ins.) 69	SNOW DEPTH (Ins.) 70	PEAK WIND SPEED (Kts.) 71	PEAK WIND DIRECTION 72	PEAK WIND TIME (L.S.T.) 73	THICKNESS OF ICE ON WATER (Ins.) 74	FROZEN GROUND LAYER TOP 75	FROZEN GROUND LAYER BASE 76	RIVER GAGE 77	SKY COVER SUNRISE TO SUNSET 78	SKY COVER MIDNIGHT TO MIDNIGHT 79	WATER EQUIV. (Ins.) 80	81
89	65	0	0	0	13	S	1114					0			

WEATHER & OBSTRUCTIONS TO VISION

TYPE 92	BEGAN 93	ENDED 94	TYPE 95	BEGAN 97	ENDED 98
H	0520	0735			
K	0520	0735			

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 1:50P ±0 Sec./ 1001P ±0 Sec./1600P ±0 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. *U.S.GPO:1983-0-764-009/8089

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

SURFACE WEATHER OBSERVATIONS

DATE: AUG 4 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUB-MATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUB-MATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)	HR.
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
00																									00-01
01																									01-02
02																									02-03
03																									03-04
04	49	29.835				4														4					04-05
05	49	29.830				9														7					05-06
06	50	29.840				3	3	SC	12											3	3	.020			06-07
07	49	29.840				0														0					07-08
08	49	29.840				0														0					08-09
09	50	29.840				0														0	4	.000			09-10
10	49	29.835				0														0					10-11
11	50	29.825				0														0					11-12
12	49	29.815				0	0	TCU	80	0	AC	150	0							0	8	.025			12-13
13	50	29.765				1														1					13-14
14	53	29.770				0														0					14-15
15	52	29.750				0	0	CB	70											0	6	.065			15-16
16	53	29.745				0														0					16-17
17	52	29.740				0														0					17-18
18	49	29.750				0														0	5	.040			18-19
19	46	29.760				0														0					19-20
20	50	29.800				0														0					20-21
21	53	29.815				0														0	1	.005			21-22
22	47	29.810				0														0					22-23
23																									23-24

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.) -360	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	49	STATE OF GRND. 50	51	52	53	54	55	SOIL TEMP. 56	57	58
41	42	43	44	45	46	47	48										
	0000 TO 0447	X	0	0	X	68	65	X	X						X		
	0447	1	0	0	0	68	65										
	0947	2	0	0	0	75	66										
	1546	3	0	0	0	83	74										
	2147	4	0	0	0	83	70										
	2400 -360 0000	X	0	0	0	70	69	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59	0947	1547	2147
ATT. THERM. 60			
CORRECTION 61			
TOTAL CORR. 62			
STA. PRESS. 63	29.840	29.750	29.815
MEAN DAILY 64	29.85	29.765	29.815
BAR. CORR. 65	-.010	-.015	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F) 66	24-HR. MIN. TEMP. (°F) 67	24-HR. PRECIP. WATER EQUIV. (Ins.) 68	24-HR. SNOWFALL UNMELTED (Ins.) 69	SNOW DEPTH (Ins.) 70	PEAK WIND SPEED (Knots) 71	PEAK WIND DIR. 72	PEAK WIND TIME (L.S.T.) 73	THICK. MEAS OF ICE ON WATER (Ins.) 74	FROZEN GROUND LAYER (Ins.) TOP 75	FROZEN GROUND LAYER (Ins.) BASE 76	RIVER GAGE 77	SKY COVER SUNRISE TO SUNSET 78	SKY COVER SUNSET TO MIDNIGHT 79	WATER EQUIV. (Ins.) 80	81
83	65	0	0	0	12	SE	1450					1			

WEATHER & OBSTRUCTIONS TO VISION

TYPE 82	BEGAN 83	ENDED 84	TYPE 85	BEGAN 86	ENDED 87
H	UNKN	0730			

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.)	PERCENT OF POSSIBLE SUNSHINE	CHARACTER OF SUNRISE	CHARACTER OF SUNSET
FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H.	OR FASTEST MILE ____ M.P.H.	ASSOCIATED DIRECTION	TIME

TIME CHECK - CLOCK AT: 0547 ± 0 Sec. / 1547 ± 0 Sec. / 1546 ± 1 Sec.

1-Test of Several Occurrences

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆ U.S. GPO 1983-0-784-009/8088

MF1-10B
(10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)

SURFACE WEATHER OBSERVATIONS

DATE AUG 5 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

CLOUDS AND OBSCURING PHENOMENA

TIME (L.S.T.) 16	STATION PRESSURE (Ins.) 17	DRY BULB (°F) 18	WET BULB (°F) 19	REL. HUMIDITY (%) 20	TOTAL SKY COVER 21	LOWEST LAYER AMT 22	LOWEST LAYER TYPE 23	LOWEST LAYER HEIGHT 24	SECOND LAYER AMT 25	SECOND LAYER TYPE 26	SECOND LAYER HEIGHT 27	SUMMATION TOTAL 28	THIRD LAYER AMT 29	THIRD LAYER TYPE 30	THIRD LAYER HEIGHT 31	SUMMATION TOTAL 32	FOURTH LAYER AMT 33	FOURTH LAYER TYPE 34	FOURTH LAYER HEIGHT 35	TOTAL OPAQUE SKY COVER 36	PRESSURE TENDENCY 37	NET 3HR. CHANGE (Ins.) 38	SUNSHINE (Min.) 39	PRECIPITATION (Ins.) 40	HR.
00																									00-01
01																									01-02
02																									02-03
03																									03-04
04 50	29.810				10															10					04-05
05 49	29.820				9															9					05-06
06 50	29.820				9	9	Sc	M13												9	1	.015			06-07
07 49	29.830				6															6					07-08
08 49	29.820				1															1					08-09
09 50	29.820				2	2	Ac	140												2	0	.000			09-10
10 50	29.820				6															5					10-11
11 49	29.810				5															5					11-12
12 49	29.790				3	0	Tcu	80	3	Ac	140	3								3	8	.030			12-13
13 53	29.770				2															2					13-14
14 55	29.770				6															6					14-15
15 49	29.770				6	6	Ac	E130												6	6	.020			15-16
16 50	29.775				1															1					16-17
17 51	29.770				2															1					17-18
18 49	29.770				4	1	Ac	150	3	Ci	250	4								1	0	.000			18-19
19 46	29.770				0															0					19-20
20 54	29.800				0															0					20-21
21 57	29.810				0															0	1	.040			21-22
22 47	29.820				0															0					22-23
23																									23-24

SYNOPTIC OBSERVATIONS

TIME (G.M.T.) 41	TIME (L.S.T.) 2300 42	NO. 43	PRECIP. (Ins.) 44	SNOW FALL (Ins.) 45	SNOW DEPTH (Ins.) 46	MAX. TEMP. (°F) 47	MIN. TEMP. (°F) 48	49	STATE OF GRND. 50	51	52	53	54	55	SOIL TEMP. 56	57	58
	TO 0447	X	0	0	X	70	67	X	X						X		
	0447	1	0	0	0	70	67										
	0947	2	0	0	0	75	68										
	1546	3	0	0	0	79	73										
	2150	4	0	0	0	75	69										
	2300	X	0	0	0	69	69	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59		0949	1547	2151
ATT. THERM. 60				
OBSVD. BAR. 61				
TOTAL CORR. 62				
STA. PRESS. 63		29.820	29.770	29.810
BAROGRAPH 64		29.830	29.770	29.800
BAR. CORR. 65		-.010	0	+.010

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F) 66	24-HR. MIN. TEMP. (°F) 67	24-HR. PRECIP. WATER EQUIV. (Ins.) 68	24-HR. SNOWFALL UNMELTED (Ins.) 69	SNOW DEPTH (Ins.) 70	PEAK WIND SPEED (Kts.) 71	PEAK WIND DIRECTION 72	PEAK WIND TIME (L.S.T.) 73	THICKNESS OF ICE ON WATER (Ins.) 74	FROZEN GROUND LAYER TOP 75	FROZEN GROUND LAYER BASE 76	RIVER GAGE 77	SKY COVER SUNRISE TO SUNSET 78	SKY COVER MIDNIGHT TO MIDNIGHT 79	WATER EQUIV. (Ins.) 80	81
79	67	0	0	0	17	5	1446					4			

WEATHER & OBSTRUCTIONS TO VISION

TYPE 82	BEGAN 83	ENDED 84	TYPE 85	BEGAN 87	ENDED 88

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME. SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0500P ⊕ 1 Sec./ 1000P ⊕ 1 Sec./ 1530P ⊕ 1 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED.

☆ U S GPO 1983-0-784-006/6066

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 6 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT _____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUB-MA-TION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUB-MA-TION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL O. OPAQUE SKY COVER	PRESSURE TENDENCY	NET AMT. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
00																								
01																								
02																								
03																								
04	55	29.810				10															9				
05	56	29.820				9															9				
06	49	29.800				7	7	AC	8150												7	3	.025		
07	51	29.776				2															2				
08	46	29.830				0															0				
09	52	29.830				1	1	AC	150												1	6	.010		
10	51	29.830				1															1				
11	51	29.825				1															1				
12	50	29.810				1	0	CB	80	1	AC	160	1	0	CI	200	1				1	8	.020		
13	49	29.800				1															1				
14	49	29.790				1															1				
15	52	29.790				1	0	CU	80	1	AC	160	1	0	CI	250	1				1	6	.020		
16	50	29.790				1															1				
17	50	29.785				1															1				
18	52	29.800				2	0	AC	180	2	CI	300	2								2	3	.010		
19	50	29.820				2															1				
20	49	29.830				2															1				
21	50	29.835				1	1	CI	300												0	/	.035		
22	50	29.840				2															2				
23																									

SYNOPTIC OBSERVATIONS

TIME (GMT)	TIME (LST)	NO.	PRECIP. (Inc.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF GRND.	SOIL TEMP.
	0443	X	0	0	X	69	68	X	X
	0443	1	0	0	0	69	68		
	0450	2	0	0	0	80	68		
	1548	3	0	0	0	81	76		
	2147	4	0	0	0	77	69		
	2305	X	0	0	0	69	68	X	X

STATION PRESSURE COMPUTATIONS

TIME (LST)	0451	1550	2149
ATT. THERM.			
CORRG. GAR.			
TOTAL CORR.			
STA. PRESS.	29.830	29.790	29.835
BAROGRAPH	29.830	29.790	29.835
BAR. CORR.	0	0	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Inc.)	24-HR. SNOWFALL UNOFF. TO (Inc.)	SNOW DEPTH (Inc.)	PEAK WIND SPEED (Est.)	PEAK WIND DIR.	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Inc.)	FROZEN GROUND LAYER (Inc.) TOP	FROZEN GROUND LAYER (Inc.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER MID-NIGHT TO MID-NIGHT	WATER EQUIV. (Inc.)	
81	68	0	0	0	16	S	1338					2			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
H	2030	CONT			

REMARKS, NOTES AND EXCEPTIONAL PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF DAYLIGHT CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED AND DIR. M.P.H. OR FASTEST HR. SPEED M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0500P @ 1 Sec. / 0430P @ 1 Sec. / 1600P @ 1 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-62) WHICH MAY BE USED. ☆U.S.GPO 1983-0-784-008/8089

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 7 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (ins.)	SUMMATION (ins.)	PRECIPITATION (Inc.)	HR.
00																									00
01																									01
02																									02
03																									03
04 57	29.83				10															10					04
05 46	29.80				10															10					05
06 47	29.80				9	9	SC	M16												9	3	.02			06
07 45	29.80				10															10					07
08 52	29.80				10															10					08
09 52	29.80				1	1	SC	16	C	AC	150	1								1	1	.02			09
10 52	29.80				2															1					10
11 53	29.80				3															1					11
12 54	29.85				2	1	AC	150	1	CI	250	2								1	7	.02			12
13 59	29.85				2															0					13
14 52	29.85				3															1					14
15 55	29.85				0	0	AC	150	0	CI	300	0								0	6	.030			15
16 50	29.82				0															0					16
17 48	29.82				0															0					17
18 50	29.82				0	0	AC	150	0	CI	300	0								0	4	.000			18
19 48	29.84				0															0					19
20 51	29.86				0															0					20
21 50	29.86				10	10	SC	M14												10	1	.045			21
22 49	29.87				10															10					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (GMT)	TIME (LST)	NO.	PRECIP. (Inc.)	SNOW FALL (Inc.)	SNOW DEPTH (Inc.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.							SOIL TEMP.			STATION PRESSURE COMPUTATIONS			
	2308																		TIME (L.S.T.)		0446	1550	2148
	TO 0445	X	0	0	X	69	68	X	X							X			ATT. THERM.				
	0457	1	0	0	0	69	68												CORR. BAR.				
	0445	2	0	0	0	75	68												TOTAL CORR.				
	1549	3	0	0	0	78	74												EVAL. PRESS.		29.82	29.86	29.86
	2147	4	0	0	0	75	68												HAND SMOOTH		29.82	29.85	29.85
	2320	X	0	0	0	69	69	X	X							X			CAR. CORR.		0	-.005	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Inc.)	24-HR. SNOWFALL UNMELTED (Inc.)	SNOW DEPTH (Inc.)	PEAK WIND SPEED (Knots)	PEAK WIND DIR.	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Inc.)	FROZEN GROUND LAYER (Inc.) TOP	FROZEN GROUND LAYER (Inc.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Inc.)	
78	68	0	0	0	15	SW	1417					4			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
H	CONT	CONT			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED AND DIRECTION ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 1600 01 Sec. / 2200 01 Sec. / ± Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆ U.S. GPO 1983-0-784-008/8099

MF1-10B
(10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 8 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Tens.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								
01																								
02																								
03																								
04	50	29.870			10															9				
05	49	29.880			10															10				
06	50	29.870			10	10	SC	M12												10	3	.020		
07	49	29.900			10															10				
08	49	29.910			4															4				
09	50	29.910			0															0	1	.020		
10	49	29.910			0															0				
11	49	29.875			0															0				
12	49	29.880			0															0	8	.030		
13	49	29.855			0															0				
14	49	29.840			0															0				
15	50	29.830			0	0	SC	12												0	6	.050		
16	47	29.830			0															0				
17	47	29.840			0															0				
18	48	29.840			0	0	SC	12												0	1	.010		
19	47	29.820			0															0				
20	49	29.880			0															0				
21	50	29.890			0															0	1	.050		
22	52	29.885			0															0				
23																								

SYNOPTIC OBSERVATIONS

TIME (10 M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.		
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58
	2398 AND TO 0447	X	0	0	X	69	66	X	X						X		
	0447	1	0	0	0	69	66										
	0947	2	0	0	0	77	66										
	1547	3	0	0	0	84	75										
	2147	4	0	0	0	80	67										
	2300	X	0	0	0	67	66	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59	0945	1549	2148
ATT. THERM. 60			
OBSERVD. BAR. 61			
TOTAL CORR. 62			
STA. PRESS. 63	29.910	29.830	29.860
BAROGRAPH 64	29.910	29.835	29.875
BAR. CORR. 65	0	-.005	-.005

SUMMARY OF DAY (LOCAL STANDARD TIME) (2300 P - 2300 P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Knots)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICK. FREE OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER MIDNIGHT TO LOCAL SUNSET	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
84	66	C	C	C	13	W	1451					3			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88
H	UNKN	1135			
K	0810	1135			

REMARKS, NOTED AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 1300 ⊕ 1 Sec. / 1600 ⊕ 1 Sec. / 1600 ⊕ 2 Sec.

1/ LAST OF SEVERAL OCCURRENCES

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆U.S.GPO 1983-0-764-008/8089

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 9 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3 HR. CHANGE (Ins.)	SUNSHINE (Thou.)	PRECIPITATION (Ins.)	
14	15	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	HR. MIN.
00																									00 01
01																									01 02
02																									02 03
03																									03 04
0447	29.890				10															10					04 05
05 51	29.890				10															9					05 06
06 54	29.900				10	10	SC	M9												10	3	.010			06 07
07 48	29.900				10															10					07 08
08 53	29.810				0															0					08 09
09 52	29.890				0	0	AC	150												0	6	.010			09 10
10 55	29.840				0															0					10 11
11 52	29.890				0															0					11 12
12 49	29.880				0	0	CI	250												0	8	.010			12 13
13 49	29.860				1															0					13 14
14 49	29.830				1															0					14 15
15 49	29.810				0	0	CU	80												0	7	.070			15 16
16 51	29.800				0															0					16 17
17 50	29.800				0															0					17 18
18 52	29.810				0	0	CI	250												0	5	.000			18 19
19 49	29.820				0															0					19 20
20 48	29.840				0															0					20 21
21 50	29.845				0															0	1	.035			21 22
22 50	29.860				0															0					22 23
23																									23 24

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.			STATION PRESSURE COMPUTATIONS			
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58				
	2300 TO 0500	X	0	0	X	66	63	X	X						X			TIME (L.S.T.) 59		0947	1548	2148
	0444	1	0	0	0	67	63											ATT. THERM. 60				
	0948	2	0	0	0	75	65											OBSVD. BAR. 61				
	1546	3	0	0	0	85	75											TOTAL CORR. 62				
	2147	4	0	0	0	78	68											STA. PRESS. 63		29.890	29.810	29.845
	0500 TO 2300	X	0	0	0	69	67	X	X						X			SEA LEVEL PRESS. 64		29.700	29.620	29.840
																		BAR. CORR. 65		-.010	-.010	+.005

SUMMARY OF DAY (0500P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Etc.)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78		80	81
85	63	0	0	0	18	5	1132					2			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88
H	0510	0640			

PK. WIND & MISC. DATA AND SIGNIFICANT PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED AND DATE ____ M.P.H. OR FASTEST ____ M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0500P ± 0 Sec. / 1000P ± 0 Sec. / 1600P ±0 Sec.

AIRCRAFT NEAR MISSED BY TOWER AT 1137P S.F.

ITEM ALPHA: C210 ; UNKNOWN ; ITEM BRAVO: 25L 1112P 8/9/87

ITEM CHARLIE: NOSE GEAR COLLAPSED 1 ON BOARD

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆U.S.GPO 1983-0-784-008/8089

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 10 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
00																								
01																								
02																								
03																								
04	55	24.87				0														0				
05	56	24.825				0														0				
06	49	24.890				0	0	SC	11											0	1	.015		
07	49	24.895				0														0				
08	46	24.900				0														0				
09	54	24.905				0														0	2	.015		
10	50	24.900				0														0				
11	46	24.895				0														0				
12	47	24.880				0														0	8	.025		
13	50	24.870				0														0				
14	49	24.840				0														0				
15	50	24.840				0	0	SC	11											0	6	.030		
16	52	24.830				0														0				
17	54	24.830				0														0				
18	51	24.840				0	0	ST	12	0	AC	140	0							0	5	.030		
19	53	24.860				0														0				
20	55	24.880				0														0				
21	50	24.890				0														0	1	.040		
22	49	24.890				0														0				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GROUND						SOIL TEMP.			STATION PRESSURE COMPUTATIONS			
	2300																	TIME (L.S.T.)		0956	1549	2144
	0454	X	0	0	X	69	65	X	X						X			ATT. THERM.				
	0454	1	0	0	0	69	65											OBSERVE. BAR.				
	0944	2	0	0	0	74	65											TOTAL CORR.				
	1548	3	0	0	0	82	73											STA. PRESS.		29.905	29.840	29.880
	2148	4	0	0	0	82	69											SEA LEVEL PRESS.		29.905	29.850	29.890
	2300P	X	0	0	0	69	68	X	X						X			DAR. CORR.		0	-.010	-.010

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Kts.)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICK. OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)	
82	65	0	0	0	15	S	1255					0			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ MIN.; PERCENT OF POSSIBLE SUNSHINE ____; CHARACTER OF SUNRISE ____; CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H.; ASSOCIATED DIRECTION ____; TIME ____

TIME CHECK - CLOCK AT: 0500P ±0 Sec./ 0930P ±0 Sec./ 1600P ±0 Sec.

ACFT MISHAP - NOTIFIED BY TWR AT 1427P K.I.

ITEM ALPHA (140): N89293 ITEM BRAVO: TAXIWAY B: 1422P 8/10/87

ITEM CHARLIE: AIRCRAFT WAS FLIPPED OVER BY JET BLAST

2 ON BOARD NO INJURIES

SP=

RS=

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆ U.S. GPO 1983-0-784-008/8088

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 11 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUB-MA-TION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUB-MA-TION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL O-PAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Tens.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								00
01																								01
02																								02
03																								03
04 ~?	29.890				4															4				04
05 52	29.900				10															10				05
06 49	29.915				10	10	SC	MH												10	1	.045		06
07 46	29.920				8															7				07
08 46	29.920				4															4				08
09 50	29.920				0	0	SC	15												0	1	.005		09
10 50	29.925				0															0				10
11 46	29.910				0															0				11
12 47	29.960				0															0	8	.020		12
13 49	29.885				0															0				13
14 49	29.860				0															0				14
15 50	29.860				0	0	SC	12												0	6	.040		15
16 52	29.860				0															0				16
17 47	29.860				0															0				17
18 49	29.870				0	0	SC	13	0	AC	140	0								0	3	.010		18
19 51	29.880				0															0				19
20 53	29.900				0															0				20
21 50	29.910				0															0	1	.040		21
22 54	29.910				0															0				22
23																								23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.) 2300 TO 0459	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GROUND						SOIL TEMP.			
41		43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	
	0459	1	0	0	0	69	65											
	0945	2	0	0	0	74	66											
	1548	3	0	0	0	83	73											
	2148	4	0	0	0	82	67											
	2300 TO 2300		0	0	0	67	67											

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)		0945	1549	2149
ATT. THERM.				
CORRN. SAR.				
TOTAL CORR.				
SEA LEVEL		29.92	29.860	29.910
UNCORRECTED		29.915	29.860	29.900
BAR. CORR.		+.005	0	+.010

SUMMARY OF DAY (2300 TO 2300)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Elo.)	PEAK WIND: DIR. 10's DEG. TRUE	PEAK WIND: TIME (L.S.T.)	THICK-NESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.): TOP	FROZEN GROUND LAYER (Ins.): BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
83	65	0	0	0	14	5	1341					2			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	86	87

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ (MPH) OR FASTEST MILE ____ (MPH) AGGREGATE DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P ± 0 Sec. / 0930P ± 0 Sec. / 1600P ± 0 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆ U.S. GPO 1983-0-784-008/8099

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 12 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ___ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
00																								
01																								
02																								
03																								
0452	24.910				0																			
0546	24.930				1															6				
0646	24.930				0	6	SC	11												6	0			
0750	24.935				1															6	3	mic		
0854	24.930				1															1				
0953	24.930				0															1				
1053	24.932				0															0	0	.000		
1150	24.910				0															0				
1250	24.890				1	2	CU	7C	1	CI	25C	1								0				
1349	24.885				0															1	9	.040		
1449	24.860				1															C				
1550	24.850				0	0	SC	12	0	CI	25C	0								1				
1648	24.850				0															0	7	.040		
1748	24.845				0															0				
1848	24.850				0	0	SC	12	0	CI	25C	0								0				
1948	24.860				0															0	5	.020		
2049	24.870				0															C				
2151	24.870				0	0	SC	12												C				
2248	24.870				1															0	1	.020		
23																				1				

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF GRND.	SOIL TEMP.
	2300 TO 0455	X	0	0	X	67	64	X	X
	0455	1	0	0	0	67	64		
	0950	2	0	0	0	75	65		
	1547	3	0	0	0	83	73		
	2148	4	0	0	0	77	66		
	2300	X	0	0	0	66	66	X	X

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)		0951	1548	2150
ATT. THERM.				
CORR.				
TOTAL CORR.				
STA. PRES.		29.93C	29.85C	29.87C
BAROGRAPH		29.93C	29.86C	29.88C
BAR. CORR.		-.005	-.010	-.010

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Mph)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUMMATION TO SUNSET	SKY COVER SUMMATION TO MIDNIGHT	WATER EQUIV. (Ins.)	
83	64	0	C	0	16	W	1625					0			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED

REMARKS (TYPE AND MISCELLANEOUS PHENOMENA)

TIME: SUNRISE ___ SUNSET ___

TOTAL SUNSHINE ___ (MIN.) PERCENT OF POSSIBLE SUNSHINE ___ CHARACTER OF SUNRISE ___ CHARACTER OF SUNSET ___

FASTEST OBSERVED 1-MINUTE WIND SPEED ___ M.P.H. OR FASTEST ___ M.P.H. ASSOCIATED DIRECTION ___ TIME ___

TIME CHECK - CLOCK AT: 1600 P ±C Sec./ 22.00P ±0 Sec./ ± ___ Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆ U.S.GPO 1983-0-784-005/6089

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 13 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	WET BULB CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36				
00																								
01																								
02																								
03																								
04	57	29.855				10														10				
05	49	29.875				10														10				
06	46	29.885				10	10	SC	M12											10	3	.025		
07	53	29.890				10														10				
08	52	29.890				10														10				
09	49	29.895				10	4	SC	12	6	SC	M16	10							10	1	.015		
10	46	29.895				10														10				
11	46	29.880				10														10				
12	47	29.870				9	9	SC	M20											9	8	.025		
13	49	29.860				9														9				
14	49	29.850				9														9				
15	52	29.830				10	0	SC	15	10	SC	M23	10							10	8	.040		
16	48	29.810				10														10				
17	61	29.810				10														10				
18	50	29.810				10	10	SC	M20											10	6	.020		
19	57	29.820				10														10				
20	47	29.820				10														10				
21	52	29.820				10	2	SC	12	10	SC	M17	10							10	1	.010		T
22	48	29.810				10														10				T
23																								T

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GROUND						SOIL TEMP.			
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	
	2300 TO 0455	X	0	0	X	66	65	X	X						X			
	0455 TO 1455	1	0	0	0	66	65											
	1455 TO 2445	2	0	0	0	70	66											
	2445 TO 1548	3	0	0	0	74	70											
	1548 TO 2148	4	T	0	0	71	67											
	2148 TO 2300	X	T	0	0	67	65	X	X						X			

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)		0946	1550	2150
ATT. THERM.				
CORR.				
TOTAL CORR.				
STA. PRESS.		24.895	29.830	29.820
BAROGRAPH		29.900	29.830	29.820
BAR. CORR.		-.005	0	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNOFF. TO (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Mph)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FASTEST GROUND LAYER (Ins.) TOP	FASTEST GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
74	65	T	0	0	15	5	1707					10			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88
L-	2142	CONT			
F	2230	CONT			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0434P ±0 Sec./1600P ±0 Sec./2200P ±0 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-62) WHICH MAY BE USED. ☆U.S.GPO:1983-0-784-008/8089

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 14 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	3-HR. SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								HRS. 00-01
01																								01-02
02																								02-03
03																								03-04
04	49	29.800				10																	.01	04-05
05	51	29.810				10														10			.01	05-06
06	53	29.820				10														10			T	06-07
07	52	29.840				10	8	ST	M6	2	ST	8	10							10	1	.025	T	07-08
08	50	29.850				10														10			.02	08-09
09	50	29.860				10														10			.01	09-10
10	51	29.860				10	2	SC	12	6	SC	M18	8	2	SC	28	10			10	2	.040	T	10-11
11	53	29.860				10														10				11-12
12	49	29.860				10														10				12-13
13	49	29.860				10	4	CU	20	6	SC	M25	10							10	4	.000		13-14
14	49	29.860				10														10				14-15
15	51	29.845				10														10				15-16
16	52	29.840				8	1	CU	22	10	SC	E28	10							10	8	.015		16-17
17	48	29.830				7														8				17-18
18	52	29.840				3	0	SC	25	2	SC	40	2	1	AC	70	3			7				18-19
19	51	29.850				4														3	5	.005		19-20
20	49	29.855				10														8				20-21
21	52	29.860				10														9				21-22
22	48	29.870				10	10	SC	M35											10	1	.020		22-23
23																				9				23-24

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.			
41	42	43	44	45	46	47	48	49	30	31	32	33	34	35	36	37	38	
	2300 TO 0446	X	.02	0	X	65	62	X	X						X			
	0446	1	.02	0	0	67	62											
	0748	2	.03	0	0	67	63											
	1548	3	0	0	0	71	67											
	2148	4	0	0	0	69	66											
	2300 TO	X	0	0	0	66	66	X	X						X			

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)		0749	1550	2150
ATT. THERM. 60				
CORRN. GAU. 61				
TOTAL CORR. 62				
STA. PRESS. 63		29.860	29.845	29.860
BAROGRAPH 64		29.845	29.850	29.860
BAR. CORR. 65		+.015	-.005	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Kts.)	PEAK WIND: DIR. (Tens)	PEAK WIND: TIME (L.S.T.)	THICK. MEAS OF ICE ON WATER (Ins.)	FROST GROUND LAYER (Ins.): TOP	FROST GROUND LAYER (Ins.): BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
71	62	.05	0	0	15	5	1234					10			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88
L-	CONT	0910			
F	CONT	0840			
R-	0745	0805			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P @1 Sec./1000P @1 Sec./1700P @1 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. U.S. GPO 1983-0-784-008/6089

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 15 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMID. (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Tenths)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								
01																								
02																								
03																								
04	55	29.935				9														9				
05	56	29.915				8														8				
06	51	29.935				7	2	CU	15	5	SC	E45	7							7	3	.055		
07	46	29.940				6														6				
08	50	29.950				6														6				
09	50	29.960				4	3	CU	15	1	SC	50	4							4	3	.025		
10	55	29.960				3														3				
11	57	29.970				2														2				
12	46	29.935				2	2	CU	20											2	8	.035		
13	54	29.920				3														3				
14	49	29.910				2														2				
15	50	29.900				0	0	SC	25											0	7	.023		
16	53	29.900				0														0				
17	51	29.900				0														0				
18	48	29.910				0	0	SC	20											0	3	.010		
19	52	29.920				0														0				
20	47	29.930				0														0				
21	50	29.940				0														0	2	.030		
22	55	29.940				0														0				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GROUND						SOIL TEMP.		
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58
	2300	X	0	0	X	67	65	X	X						X		
	0450	1	0	0	0	67	65										
	0945	2	0	0	0	72	66										
	1548	3	0	0	0	77	72										
	2148	4	0	0	0	76	65										
	2300	X	0	0	0	65	64	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59	0946	1549	2149
ATT. THERM. 60			
CORR. BAR. 61			
TOTAL CORR. 62			
STA. PRESS. 63	29.960	29.900	29.940
BAROGRAPH 64	29.950	29.910	29.935
BAR. CORR. 65	+.010	-.010	+.005

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Ex10)	PEAK WIND: DIRECTION	PEAK WIND: TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.): TOP	FROZEN GROUND LAYER (Ins.): BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
77	64	0	0	0	18	SW	1555					3			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
92	93	94	95	97	98

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MINS.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED AND DIRECTION: SPEED ____ DIR. ____ M.P.H. | FASTEST OBS. SPEED ____ DIR. ____ M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0500P ± Sec. / 0934P @ Sec. / 1600P @ Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆ U.S.GPO 1983-0-784-008/8088

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 16 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)	HR.
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36					
00																									00
01																									01
02																									02
03																									03
04	52 29.960				0															0					04
05	56 29.975				0															0					05
06	48 29.980				0	0	SC	15												0	3	.035			06
07	51 29.960				0															0					07
08	53 30.000				0															0					08
09	48 29.990				0	0	SC	15												0	0	.010			09
10	54 29.960				0															0					10
11	46 29.960				0															0					11
12	48 29.945				0															0	8	.045			12
13	53 29.930				0															0					13
14	51 29.920				0															0					14
15	50 29.910				0	0	SC	14												0	7	.035			15
16	47 29.915				0															0					16
17	54 29.920				0															0					17
18	52 29.930				1	1	SC	15												1	2	.020			18
19	49 29.950				0															0					19
20	48 29.960				0															0					20
21	50 29.970				0	0	SC	12												0	2	.040			21
22	55 29.970				2															2					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF GROUND	SOIL TEMP.
	2300	X	0	0	X	65	60	X	X
	0457	1	0	0	0	65	60		
	0945	2	0	0	0	75	59		
	1548	3	0	0	0	81	73		
	2148	4	0	0	0	76	65		
	2300	X	0	0	0	65	64	X	X

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)	0946	1549	2149
ATT. THERM.			
CORR. SUM.			
TOTAL CORR.			
SYA. PRESS.	29.990	29.910	29.870
WEATHERGRAPH	29.990	29.920	29.960
BAR. CORR.	0	-.010	+.010

SUMMARY OF DAY ____ TO ____ (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Etc.)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUMMATION TOTAL	SKY COVER LOWEST CLOUD LAYER AMOUNT	SKY COVER LOWEST CLOUD LAYER HEIGHT	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79		80	81
81	59	0	0	0	18	S	1308					0				

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
92	93	94	96	97	98

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE (MIN.)	PERCENT OF POSSIBLE SUNSHINE	CHARACTER OF SUNRISE	CHARACTER OF SUNSET
FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H.	OR FASTEST MILE ____ M.P.H.	ASSOCIATED DIRECTION	TIME

TIME CHECK - CLOCK AT: 0547 ① Sec. / 0930 ① Sec. / 1600P ② Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆U.S.GPO 1983-0-784-008/6088

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 17 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Min.)	PRECIPITATION (Ins.)	
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	HRS.
00																									00-01
01																									01-02
02																									02-03
03																									03-04
04	57	29.980				1C														10					04-05
05	57	30.000				10														10					05-06
06	59	30.020				10	10	SC	M14											10	3	.040			06-07
07	47	30.035				10														10					07-08
08	47	30.040				10														10					08-09
09	48	30.045				10	10	SC	M19											10	1	.025			09-10
10	52	30.030				6														6					10-11
11	50	30.000				0														0					11-12
12	50	29.990				0														0	8	.055			12-13
13	49	29.980				0														0					13-14
14	49	29.950				0														0					14-15
15	49	29.940				0														0	6	.050			15-16
16	48	29.930				0														0					16-17
17	49	29.930				0														0					17-18
18	48	29.940				0	0	SC	15											0	5	.000			18-19
19	50	29.955				0														0					19-20
20	47	29.975				0														0					20-21
21	51	29.985				0	0	SC	15											0	1	.045			21-22
22	49	29.990				1														1					22-23
23																									23-24

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.					SOIL TEMP.			STATION PRESSURE COMPUTATIONS			
41	2300	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	TIME (L.S.T.) 59		0446	1547	2149
	0001 TO 0435	X	0	0	X	65	63	X	X						X			ATT. THERM. 60				
	0459	1	0	0	0	65	63											CORRIG. BAR. 61				
	0945	2	0	0	0	68	64											TOTAL CORR. 62				
	1546	3	0	0	0	77	68											STA. PRESS. 63		30.045	29.940	29.985
	2148	4	0	0	0	74	64											BAROGRAPH 64		30.040	29.940	29.985
	2300	X	0	0	0	64	64	X	X						X			BAR. CORR. 65		+.005	0	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Kts.)	PEAK WIND: DIRECTION	PEAK WIND: TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.): TOP	FROZEN GROUND LAYER (Ins.): BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
77	63	0	0	0	17	5	1435					4			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
92	93	94	95	96	97
H	0735	0830			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED AND DIRECTION | M.P.H. OR FASTEST MILE | M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0500P @ 1 Sec. / 1000P @ 1 Sec. / 1600P @ 1 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆ U.S. GPO 1983-0-784-008/6088

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 18 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUBSTATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUBSTATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	WET BULB CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								
01																								
02																								
03																								
04	47	29.990				10														10				
05	54	30.000				10														10				
06	52	30.010				10	10	SC	M14											10	2	.035		
07	51	30.020				10														10				
08	52	30.020				10														10				
09	50	30.030				10	10	SC	M17											9	2	.020		
10	54	30.030				2														2				
11	51	30.010				0														0				
12	44	30.000				0														0	6	.030		
13	49	29.980				0														0				
14	49	29.960				0														0				
15	50	29.940				0	0	AC	140											0	7	.060		
16	49	29.935				0														0				
17	51	29.940				0														0				
18	50	29.940				0	0	SC	14	0	ALCS	140	0							0	5	.000		
19	52	29.950				0														0				
20	48	29.970				0														0				
21	50	29.975				0														0	1	.035		
22	49	29.980				0														0				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.		
41	2300 TO 0444	X	0	0	X	64	62	X	X						X		
	0444	1	0	0	0	64	62										
	0947	2	0	0	0	70	64										
	1547	3	0	0	0	79	69										
	2147	4	0	0	0	73	64										
	2300	X	0	0	0	64	64	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)	0949	1548	2149
ATT. THERM.			
CORR. BAR.			
TOTAL CORR.			
SEA. PRESS.	30.030	29.940	29.975
BAROGRAPH	30.020	29.940	29.975
BAR. CORR.	+.010	0	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Inc.)	24-HR. SNOWFALL UNREL TO (Inc.)	SNOW DEPTH (Inc.)	PEAK WIND SPEED (Kts.)	PEAK WIND DIR.	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Inc.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
79	62	0	0	0	17	W	1738					4			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	86	87	88
H	0540	0800			
H	0855	1030			

10. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED KNOTS OR FASTEST MI-S KNOTS ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0500P @ 1 Sec./ 1000P @ 1 Sec./ 1600P @ 1 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆U.S.GPO:1983-0-764-008/8099

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 19 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUD AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. PRESS. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
00																								
01																								
02																								
03																								
0447	29.960				8																			
0550	29.960				8															6				
0654	29.970				8	0	SC	14	8	AC	E150	8								6				
0751	29.980				7															5	3	.05		
0853	29.960				7															3				
0950	29.950				7	7	AC	E150												4				
1048	29.970				5															2	1	.010		
1151	29.950				7															4				
1243	29.940				6	6	AC	E150												6				
1349	29.920				7															5	1	.020		
1449	29.900				6															3				
1554	29.880				7	4	AC	150	2	CC	E250	6	1	CI	300	7				4				
1650	29.880				6															7	1	.060		
1750	29.880				7															6				
1851	29.870				4	9	AC	E170	0	CI	250	9								7				
1948	29.910				9															9	3	.010		
2051	29.930				9															9				
2150	29.930				10	10	AC	E170												9				
2248	29.930				10															9	1	.040		
23																				9				

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Inc.)	SNOW FALL (Inc.)	SNOW DEPTH (Inc.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.		
	2308																
	0444	X	0	0	X	64	60	X	X						X		
	0944	1	0	0	0	64	60										
	0948	2	0	0	0	74	61										
	1548	3	0	0	0	82	73										
	2147	4	0	0	0	77	67										
	2300	X	0	0	0	68	67	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)		1550	2148
ATT. THERM.			
CORR. SAL.			
TOTAL CORR.			
SEA LEVEL PRESS.	29.980	29.950	29.930
HAND GRAPH	29.980	29.970	29.930
BAR. CORR.	0	-.010	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Inc.)	24-HR. SNOWFALL UNMELTED (Inc.)	SNOW DEPTH (Inc.)	PEAK WIND: SPEED (Kts.)	PEAK WIND: DIR. (Tens)	PEAK WIND: TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Inc.)	FROZEN GROUND LAYER: TOP	FROZEN GROUND LAYER: BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Inc.)	
82	60	C	0	0	14	W	1431					7			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED WIND-1 MIN. SPEED ____ N.A. OR FASTEST MILE ____ N.A. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0300P @1 Sec./1000P @2 Sec./1600P @2 Sec.

1/ LAST OF SEVERAL OCCURRENCES

SP=

RS=

MF1-10B (1)-83)

SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED.

☆ U.S. GPO: 1983-0-784-008/8088

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 20 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. PRESS. CHANGE (Ins.)	SUNSHINE (Min.)	PRECIPITATION (Ins.)
00																								
01																								
02																								
03																								
04	29.910				3															3				
05	29.910				2															2				
06	29.925				2	2	AC	160												2	3	.025		
07	29.930				5															5				
08	29.950				3															3				
09	29.950				0	0	Cu	65	0	AC	200	0								0	1	.025		
10	29.950				0															0				
11	29.940				0															0				
12	29.940				1	0	Cu	65	0	ACSL	200	0	1	CI	300	1				1	6	.010		
13	29.920				0															0				
14	29.910				0															0				
15	29.890				0	0	ACSL	160	0	CI	300	0								0	7	.050		
16	29.870				0															0				
17	29.870				0															0				
18	29.900				0	0	ACSL	160												0	3	.010		
19	29.920				0															0				
20	29.930				0															0				
21	29.940				0															0	1	.040		
22	29.945				0															0				
23																								

SYNOPTIC OBSERVATIONS

TIME (GMT)	TIME (LST)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF GROUND	SOIL TEMP.
	2300 to 0344	X	0	0	X	67	61	X	X	X
	0344	1	0	0	0	68	61			
	0948	2	0	0	0	72	62			
	1548	3	0	0	0	79	72			
	2148	4	0	0	0	80	67			
	2300	X	0	0	0	67	65	X	X	X

STATION PRESSURE COMPUTATIONS

TIME (LST)	0949	1550	2149
ATT. THERM.			
OBSERV. BAR.			
TOTAL CORR.			
EVAL. PRESS.	29.950	29.870	29.940
STATION HEIGHT	29.945	29.900	29.940
BAR. CORR.	+.005	-.010	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Knots)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)	
80	61	0	0	0	16	S	1322					1			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ (M.P.H.) OR FASTEST MILE ____ (M.P.H.) ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P ± 0 Sec. / 1100P ± 0 Sec. / 1700P ± 0 Sec.

SP=

RS=

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED

MF1-10B (10-83) SUPERSEDES MF1-10B (1-62) WHICH MAY BE USED. ☆ U.S. GPO 1983-0-784-008/6089

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

SURFACE WEATHER OBSERVATIONS

DATE: AUG 21 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMID (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	24-HR. SUNSHINE (Min.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								
01																								
02																								
03																								
04	47	29.950			0															0				
05	53	29.960			0															0				
06	55	29.970			0															0	3	.020		
07	52	29.980			0															0				
08	48	29.980			0															0				
09	50	29.990			0															0	3	.020		
10	52	29.980			0															0				
11	51	29.970			0															0				
12	49	29.960			0															0	7	.030		
13	49	29.960			0															0				
14	49	29.940			0															0				
15	51	29.930			0	0	44	70	0	CI	250	0								0	8	.020		
16	46	29.925			1															1				
17	52	29.930			1															1				
18	51	29.940			2	2	CI	250												2	3	.010		
19	46	29.960			1															1				
20	52	29.970			0															0				
21	51	29.990			0															0	1	.050		
22	47	30.000			0															0				
23																								

SYNOPTIC OBSERVATIONS

TIME (GMT)	TIME (LST) 2300 TO	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GROUND						SOIL TEMP.			
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	
	0444	X	0	0	X	65	61	X	X						X			
	0444	1	0	0	0	67	61											
	0948	1	0	0	0	74	62											
	1545	1	0	0	0	83	73											
	2145	1	0	0	0	80	66											
	2300	X	0	0	0	67	66	X	X						X			

STATION PRESSURE COMPUTATIONS

TIME (LST)			
	0749	1546	2146
ATT. THERM.			
CORR'G BAR.			
TOTAL CORR.			
STA. PRESS.	29.970	29.930	29.940
BAROGRAPH	29.980	29.930	29.950
BAR. CORR.	+.010	0	+.010

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNREL TO (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Knots)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FASTEST GROUND LAYER (Ins.) TOP	FASTEST GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
83	61	0	0	0	17	W	1737					0			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (Min.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ MPH OR FASTEST MILE ____ MPH ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT 0500P ± 0 Sec. / 1000P ± 0 Sec. / 2136P 41 Sec.

SP=

RS=

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
83	83	84	85	87	88

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED * U.S.GPO 1983-0-764-008/8088

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: 8-22 AUG 22 1987 87

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Dur.)	PRECIPITATION (Ins.)	HR.
00																									00-01
01																									01-02
02																									02-03
03																									03-04
04 49	30.01C				0															0					04-05
05 50	30.030				0															0					05-06
06 50	30.040				0	0	AC	150												0	/	.040			06-07
07 49	30.045				0															0					07-08
08 48	30.050				0															0					08-09
09 50	30.050				0	0	AC	150												0	/	.010			09-10
10 49	30.050				0															0					10-11
11 48	30.025				0															0					11-12
12 49	30.020				0	0	CI	250												0	6	.030			12-13
13 55	29.995				0															0					13-14
14 53	29.970				0															0					14-15
15 51	29.965				0															0	7	.055			15-16
16 50	29.960				0															0					16-17
17 47	29.955				0															0					17-18
18 46	29.965				0															0	5	.000			18-19
19 47	29.990				0															0					19-20
20 50	30.000				0															0					20-21
21 50	30.000				0															0	1	.035			21-22
22 46	30.006				0															0					22-23
23																									23-24

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF GRND.	SOIL TEMP.	STATION PRESSURE COMPUTATIONS			
	2300 TO 0447	X	0	0	X	67	59	X	X	TIME (L.S.T.)	0948	1546	2247
	0447	1	0	0	0	67	59			ATT. THERM.			
	0947	2	0	0	0	75	60			OBSERVE. BAR.			
	1545	3	0	0	0	81	74			TOTAL CORR.			
	2146	4	0	0	0	75	66			STA. PRESS.	30.050	29.965	30.020
	2300	X	0	0	0	66	65	X	X	MEAN SEA LEVEL	30.050	29.975	30.020
										BAR. CORR.	0	-.010	0

SUMMARY OF DAY (0000 TO 2300) (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL AMOUNT TO (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Mi/h)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER TOP	FROZEN GROUND LAYER BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
84	57	0	0	0	18	W	1551					0			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED

24-HR. PRECIP. AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED WIND SPEED AND DIRECTION: SPD. OR FASTEST MILE DIR. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0500 @ 1 Sec. / 1600P @ 1 Sec. / 2136P @ 1 Sec.

11 - LAST OF SEVERAL OCCURRENCES

SP=

RS=

MF1-10B (10-83)

SUPERSEDES MF1-10B (1-83) WHICH MAY BE USED.

*U.S.GPO 1983-0-784-008/8089

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 23 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3HR CHANGE (Ins.)	3HR CHANGE (Ins.)	PRECIPITATION (Ins.)
00																								
01																								
02																								
03																								
04 47	29.980				0															0				
05 48	30.000				0															0				
06 50	30.010				1	1	CI	250												0	/	.030		
07 51	30.010				2															1				
08 52	30.010				2															1				
09 51	30.010				2	2	CI	250												1	4	.020		
10 47	30.005				2															1				
11 47	29.990				1															1				
12 49	29.975				1	1	CI	250												1	8	.035		
13 54	29.960				1															1				
14 46	29.935				1															1				
15 53	29.920				2	2	CI	250												2	7	.055		
16 46	29.910				2															2				
17 51	29.910				3															2				
18 46	29.920				2	2	CI	250												1	5	.000		
19 55	29.935				0															0				
20 46	29.960				0															0				
21 50	29.960				0															0	1	.040		
22 46	29.965				0															0				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.		
	2300 TO 0447	X	0	0	X	66	59	X	X						X		
	0447	1	0	0	0	66	59										
	0947	2	0	0	0	74	58										
	1545	3	0	0	0	81	73										
	2145	4	0	0	0	76	64										
	2300	X	0	0	0	65	63	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)	0948	1546	2146
ATT. THERM.			
CORRECTION			
TOTAL CORR.			
STA. PRESS.	30.018	29.926	29.946
MAX/MIN/24HR	30.025	29.930	29.960
BAR. CORR.	-.005	-.016	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Kts.)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROST/GROUND LAYER (Ins.) TOP	FROST/GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
81	58	0	0	0	15	5	1153					2			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF RAINFALL ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ MPH OR FASTEST MILE ____ MPH ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P ±0 Sec./ 1000P @1 Sec./ 1536P @1 Sec.

AIRCRAFT MISHAP NOTIFIED BY TWR AT 0605Z
ITEM ALPHA: 9144 T G; ITEM BRAVO: 25L 0557Z 8/23/87
ITEM CHARLIE: RANOFF END OF RWY 4. ON BOARD NO INJURIES.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. *U.S.GPO 1983-0-764-005/8088

MF1-108 (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 24 1987

To convert LST to GMT ADD 7 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)	
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	MIN.
00																									00
01																									01
02																									02
03																									03
04	47	29.950				5																			04
05	52	29.960				10																			05
06	51	29.970				10	10	SC	M18																06
07	55	29.980				10																			07
08	53	29.980				9																			08
09	50	29.980				4	3	SC	18	4	SC	25	4												09
10	48	29.980				1																			10
11	51	29.970				0																			11
12	49	29.960				0																			12
13	49	29.940				0																			13
14	49	29.920				0																			14
15	49	29.900				0																			15
16	49	29.890				0																			16
17	48	29.895				0																			17
18	48	29.900				0	0	SC	15																18
19	50	29.920				0																			19
20	48	29.940				0																			20
21	51	29.950				2	2	SC	21																21
22	49	29.955				7																			22
23																									23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.							SOIL TEMP.			
41	2300	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58		
	TO 0344	X	0	0	X	64	58	X	X						X				
	0344	1	0	0	0	65	58												
	0948	2	0	0	0	70	59												
	1547	3	0	0	0	72	70												
	2147	4	0	0	0	71	64												
	2300	X	0	0	0	65	64	X	X						X				

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)		2749	1548	2148
ATT. THERM. 60				
CORRVL. CAL. 61				
TOTAL CORR. 62				
STA. PRESS. 63		29.980	29.900	29.950
BAROGRAPH 64		29.980	29.910	29.950
BAR. CORR. 65		0	-.010	0

SUMMARY OF DAY (2300P To 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL (Unmelt.) (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Esc.)	PEAK WIND: DIRECTION	PEAK WIND: TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.): TOP	FROZEN GROUND LAYER (Ins.): BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
72	58	0	0	0	18	5	1522					3			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88

14. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P @ 1 Sec. / 1000P @ 1 Sec. / 1500P @ 1 Sec.

SP=

RS=

MF1-108 (10-83) SUPERSEDES MF1-108 (1-82) WHICH MAY BE USED. * U.S. GPO 1983-0-764-008/8089

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 25 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUBSTATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUBSTATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUBSTANCE (Ins.)	PRECIPITATION (Ins.)	HR.
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
00																									00-01
01																									01-02
02																									02-03
03																									03-04
04	47	29.950				10														10					04-05
05	54	29.960				10														10					05-06
06	51	29.970				10	10	SC	M21											10	2	.030			06-07
07	52	29.980				10														10					07-08
08	53	29.990				10														10					08-09
09	50	30.000				9	9	SC	M25											9	2	.030			09-10
10	51	29.990				1														1					10-11
11	48	29.980				0														0					11-12
12	46	29.970				0														0	7	.030			12-13
13	50	29.960				0														0					13-14
14	54	29.945				0														0					14-15
15	50	29.930				0	0	SC	15											0	8	.040			15-16
16	47	29.920				0														0					16-17
17	49	29.920				0														0					17-18
18	49	29.930				0	0	CI	250											0	5	.000			18-19
19	49	29.950				0														0					19-20
20	50	29.970				0														0					20-21
21	50	29.975				0														0	1	.045			21-22
22	49	29.980				0														0					22-23
23																									23-24

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.							SOIL TEMP.			STATION PRESSURE COMPUTATIONS			
41	2300	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58		TIME (L.S.T.) 59	0949	1548	2149
	TO 0444	X	0	0	X	65	63	X	X							X			ATT. THERM. 60			
	0444	1	0	0	0	65	63												OBSVD. BAR. 61			
	0948	2	0	0	0	70	64												TOTAL CORR. 62			
	1546	3	0	0	0	74	70												STA. PRESS. 63	30.000	29.930	29.975
	2146	4	0	0	0	73	64												SEA LEVEL PRESS. 64	30.000	29.920	29.970
	2300	X	0	0	0	65	64	X	X							X			BAR. CORR. 65	0	+.010	+.005

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNOFF. TO (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Ens.)	PEAK WIND DIR. (10s)	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER TOP	FROZEN GROUND LAYER BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
74	63	0	0	0	15	5	1424					4			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P @ 1 Sec./1000P @ 1 Sec./1600P @ 1 Sec.

1/ LAST of SEVERAL OCCURRENCES

SP=

RS=

WEATHER & OBSTRUCTIONS TO VISION

TYPE 82	BEGAN 83	ENDED 84	TYPE 85	BEGAN 87	ENDED 88

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. • U.S. GPO 1983-0-764-008/8088

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 26 1987

To convert LST to GMT ADD 7 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		36	37	38	39	40
00																								
01																								
02																								
03																								
04	47	29.990			4															4				
05	51	30.000			7															5				
06	53	30.020			9	9	SC	M13												9	3	.030		
07	52	30.030			5															4				
08	53	30.030			8															8				
09	50	30.030			8	8	SC	M21												6	1	.010		
10	52	30.030			3															3				
11	51	30.010			0															0				
12	49	29.990			0	0	Cu	60												0	8	.040		
13	49	29.975			0															0				
14	49	29.960			0															0				
15	50	29.945			0															0	7	.045		
16	46	29.950			0															0				
17	46	29.955			0															0				
18	52	29.970			0	0	SC	11												0	3	.025		
19	47	30.005			0															0				
20	48	30.025			0															0				
21	50	30.025			0															0	1	.055		
22	46	30.030			0															0				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF GRND.	SOIL TEMP.
	2300 TO 0344	X	0	0	X	64	61	X	X
	0344	1	0	0	0	65	61		
	0948	2	0	0	0	71	62		
	1545	3	0	0	0	79	71		
	2145	4	0	0	0	74	66		
	2300 TO [redacted]	X	0	0	0	66	65	X	X

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)		0949	1546	2145
ATT. THERM.				
CORR. BAR.				
TOTAL CORR.				
SYL. STEEL		30.030	29.975	30.025
[redacted]		30.020	29.960	30.010
BAR. CORR.		+.010	+.005	+.015

SUMMARY OF DAY ([redacted] TO [redacted]) (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNOFF. TO (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Mi/h)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
79	61	0	0	0	15	W	1315					3			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
F	CONT	0640			
H	CONT	1030			
K	0730	1030			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MI/E M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0500P @ 1 Sec. / 1000P @ 1 Sec. / 1530P @ 1 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. * U.S.GPO 1983-0-764-035/6088

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 27 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

CLOUDS AND OBSCURING PHENOMENA

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE END-ENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)	HR.
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
00																									00
01																									01
02																									02
03																									03
04	57	30.030				0														0					04
05	54	30.010				0														0					05
06	51	30.010				2	2	K	10											1	1	.005			06
07	55	30.000				0														0					07
08	52	30.000				0														0					08
09	50	30.000				0														0	6	.010			09
10	53	29.990				0														0					10
11	48	29.970				2														0					11
12	49	29.950				0	0	CU	80											0	8	.050			12
13	49	29.940				0														0					13
14	49	29.920				0														0					14
15	50	29.905				0	0	CU	80											0	8	.045			15
16	46	29.905				0														0					16
17	50	29.910				0														0					17
18	46	29.915				0														0	3	.010			18
19	46	29.940				0														0					19
20	46	29.970				0														0					20
21	55	29.970				0														0	1	.055			21
22	47	29.970				0														0					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.		
41	2330	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58
	2330 TO 0444	X	0	0	X	66	62	X	X						X		
	0444	1	0	0	0	66	62										
	0948	2	0	0	0	76	62										
	1545	3	0	0	0	83	74										
	2175	4	0	0	0	76	67										
	2300	X	0	0	0	67	66	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59	0949	1546	2146
ATT. THERM. 60			
OBSERVE. CORR. 61			
TOTAL CORR. 62			
STA. PRESS. 63	30.00	29.905	29.970
STANDARDIZE 64	30.000	29.910	29.965
CAR. CORR. 65	0	-.005	+.005

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Knots)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
83	62	0	0	0	17	W	1457					0			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	86	87
H	0510	0935			
K	0800	0935			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P @1 Sec./ 1000P @2 Sec./ 1530P @2 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. * U.S. GPO 1983-0-784-008/8088

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 28 1987

To convert LST to GMT ADD 7 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Tenths)	PRECIPITATION (Ins.)	
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	HR.
00																									00
01																									01
02																									02
03																									03
04	52	29.970			0															0					04
05	48	29.940			1															0					05
06	50	29.955			8	1	F	-	7	ST	MG	8								7	3	.015			06
07	48	29.965			10															10					07
08	49	29.970			10															10					08
09	50	29.960			3	1	M	-	2	ST	12	3								3	0	.005			09
10	48	29.940			0															0					10
11	57	29.920			0															0					11
12	50	29.895			0															0	8	.065			12
13	49	29.880			0															0					13
14	49	29.870			0															0					14
15	53	29.855			0	0	CU	70												0	7	.070			15
16	48	29.865			0															0					16
17	46	29.870			0															0					17
18	53	29.895			0															0	3	.040			18
19	53	29.920			10															9					19
20	52	29.940			10															10					20
21	53	29.930			5	5	SC	8												3	0	.035			21
22	49	29.930			3															3					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.) 23rd	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GROUND						SOIL TEMP.			
41		43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	
	2350	X	0	0	X	66	63	X	X						X			
	0450	1	0	0	0	67	63											
	0947	2	0	0	0	72	64											
	1545	3	0	0	0	82	72											
	2146	4	0	0	0	79	65											
	2350	X	0	0	0	66	66	X	X						X			

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59	0948	1546	2147
ATT. THERM. 60			
CORRN. (Ins.) 61			
TOTAL CORR. 62			
STA. PRESS. 63	29.960	29.855	29.930
3-HR. CHANGE 64	29.960	29.895	29.930
BAR. CORR. 65	0	-.005	0

SUMMARY OF DAY (2300P - 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Knots)	PEAK WIND: DIRECTION	PEAK WIND: TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.): TOP	FROZEN GROUND LAYER (Ins.): BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: SUNSET TO SUNRISE	WATER EQUIV. (Ins.)		
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	
82	63	0	0	0	14	5	1357					2				

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88
F	CONT	0740			
H	CONT	1915			
H	1905	CONT			
F	2030	CONT			

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. PREVAILING DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P @ 2 Sec. / 1130P ± 0 Sec. / ± Sec.

1-Last of several occurrences

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ★U.S.GPO:1983-0-784-008/8099

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 29 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								
01																								
02																								
03																								
04	51	29.930				10														10				
05	49	29.950				10														10				
06	51	29.965				10	2	ST	4	10	ST	M6	10							10	3	.030		
07	48	29.975				10														10				
08	48	29.980				10														10				
09	50	29.990				10	10	ST	M9											10	2	.025		
10	48	29.985				10														10				
11	50	29.975				10														10				
12	51	29.960				1	0	SC	15	1	ACAS	150	1							1	8	.030		
13	55	29.950				3														3				
14	51	29.930				2														2				
15	50	29.930				1	0	CU	65	1	AC	120	1							1	6	.030		
16	49	29.930				0														0				
17	53	29.930				0														0				
18	52	29.940				0														0	3	.010		
19	47	29.960				0														0				
20	48	29.960				0														0				
21	50	29.970				0														0	3	.030		
22	54	29.970				0														0				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.			
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	
	0748	X	0	0	X	66	65	X	X						X			
	0448	1	0	0	0	66	65											
	0947	2	0	0	0	67	64											
	1548	3	0	0	0	74	67											
	2148	4	0	0	0	72	67											
	2300	X	0	0	0	67	66	X	X						X			

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59	0748	1549	2149
ATT. THERM. 60			
CORR. SAL. 61			
TOTAL CORR. 62			
STA. PRESS. 63	29.990	29.930	29.970
SEA LEVEL 64	29.990	29.930	29.960
BAR. CORR. 65	0	0	+.010

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F) 66	24-HR. MIN. TEMP. (°F) 67	24-HR. PRECIP. WATER EQUIV. (Ins.) 68	24-HR. SNOWFALL UNMELTED (Ins.) 69	SNOW DEPTH (Ins.) 70	PEAK WIND SPEED (Knots) 71	PEAK WIND DIRECTION 72	PEAK WIND TIME (L.S.T.) 73	THICKNESS OF ICE ON WATER (Ins.) 74	FROZEN GROUND LAYER TOP (Ins.) 75	FROZEN GROUND LAYER BASE (Ins.) 76	RIVER GAGE 77	SKY COVER SUNRISE TO SUNSET 78	SKY COVER MIDNIGHT TO MIDNIGHT 79	WATER EQUIV. (Ins.) 80	81
74	64	0	0	0	13	5	1345					6			

WEATHER & OBSTRUCTIONS TO VISION

TYPE 82	BEGAN 83	ENDED 84	TYPE 85	BEGAN 87	ENDED 88
F	CONT	1020			
H	CONT	1840			
H	2240	CONT			

REMARKS (SKY AND WEATHER CONDITIONS, ETC.)

TIME: SUNRISE SUNSET

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST ON-E ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P ±0 Sec. / 1600P ±0 Sec. / 2200P ±0 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ★U.S.GPO:1983-0-764-008/8089

MF1-108 (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 30 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Min.)	PRECIPITATION (Ins.)
00																								
01																								
02																								
03																								
04 50	29.980				10															10				
05 47	29.990				10															10				
06 50	30.000				10	10	ST	M9												10	3	.020		
07 47	30.010				10															10				
08 47	30.020				10															10				
09 50	30.015				8	1	H	— 7	ST	16	8									3	0	.015		
10 49	30.010				1															1				
11 48	30.000				0															0				
12 53	29.980				0	0	CU	60	0	CB	80	0								0	8	.035		
13 51	29.965				0															0				
14 54	29.950				0															0				
15 50	29.950				0	0	CB	60												0	6	.030		
16 52	29.950				0															0				
17 48	29.950				0															0				
18 49	29.960				0	0	CB	65	0	CI	300	0								0	3	.010		
19 53	29.980				0															0				
20 47	29.990				0															0				
21 50	29.990				0	0	ST	12												0	1	.030		
22 55	30.000				1															1				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.) 2300	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.							SOIL TEMP.			
	2300	X	0	.0	X	67	64	X	X										
	0448	1	0	0	0	67	64												
	0948	2	0	0	0	73	66												
	1548	3	0	0	0	83	73												
	2148	4	0	0	0	78	67												
	2300	X	0	0	0	67	66	X	X								X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)		0749	1549	2149
ATT. THERM.				
CORRN. SAM.				
TOTAL CORR.				
STA. PRESS.		30.015	29.950	29.990
BAROGRAPH		30.020	29.960	29.990
BAR. CORR.		-.005	-.010	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Esti.)	PEAK WIND DIR. (10's)	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
83	64	0	0	0	14	5	1128					4			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
H	CONT	1330			
F	CONT	0836			
H	2235	CONT			

REMARKS, NOTED AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P ± 0 Sec./ 1000 ± 0 Sec./ 1600P ± 0 Sec.

SP=

RS=

MF1-108 (10-83) SUPERSEDES MF1-108 (1-82) WHICH MAY BE USED. ☆ U.S. GPO 1983-0-784-008/8088

MP1-108 (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS 4/31

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: AUG 8 [illegible] 87

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Min.)	PRECIPITATION (Ins.)	HR.
14	15	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
00																									00
01																									01
02																									02
03																									03
04 53	29.970				3															3					04
05 50	29.970				8															8					05
06 52	30.000				7	0	CU	80	7	ACCAS	E150	7	0	CI	250	7				7	1	.025			06
07 50	30.005				6															6					07
08 50	30.000				7															7					08
09 51	30.010				8	0	TCU	80	8	ACCAS	E150	8	0	CI	300	8				8	3	.010			09
10 51	29.990				7															7					10
11 50	29.980				3															3					11
12 52	29.965				3	1	CB	80	2	ACCAS	150	3	0	AC	200	3	0	CI	300	3	7	.045			12
13 50	29.950				5															5					13
14 49	29.935				6															6					14
15 52	29.945				7	2	CB	80	4	ACCAS	E120	6	1	CI	200	7				6	5	.020			15
16 53	29.940				4															3					16
17 53	29.930				6															3					17
18 46	29.940				8	1	AC	120	7	CS	200	8								2	5	.005			18
19 52	29.955				7															3					19
20 50	29.965				4															3					20
21 48	29.970				5	3	AC	150	2	CI	250	5								3	1	.030			21
22 47	29.970				2															2					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.) 2300	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.							SEAL TEMP.			
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58		
	TO 0450	X	0	0	X	66	63	X	X						X				
	0450	1	0	0	0	67	63												
	0947	2	0	0	0	75	63												
	1545	3	0	0	0	84	73												
	2145	4	0	0	0	82	67												
	2300	X	0	0	0	68	67	X	X						X				

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59		0949	1546	2146
ATT. THERM. 60				
CORRECTION 61				
TOTAL CORR. 62				
STA. PRESS. 63		30.010	29.945	29.970
MAX/MIN 64		30.020	29.955	29.970
BAR. CORR. 65		-.010	-.010	0

SUMMARY OF DAY [illegible] TO [illegible] (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Knots)	PEAK WIND: DIRECTION	PEAK WIND: TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.): TOP	FROZEN GROUND LAYER (Ins.): BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
84	63	0	0	0	15	W	1408					6			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88
H	CONT	UNKN			
H	0530	1040			
K	0830	1040			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.)	PERCENT OF POSSIBLE SUNSHINE	CHARACTER OF SUNRISE	CHARACTER OF SUNSET
FASTEST OBSERVED WINDS AND SPEED (M.P.H.) OR FASTEST MILE (M.P.H.)	ASSOCIATED DIRECTION	TIME	

TIME CHECK - CLOCK AT: 0500P ±0 Sec./ 1000P ±0 Sec./ 1430P ±0 Sec.

SP=

RS=

MP1-108 (10-83) SUPERSEDES MP1-108 (1-62) WHICH MAY BE USED. ★U.S.GPO:1983-0-784-008/6089

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 1 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Min.)	PRECIPITATION (Ins.)	HR.
00																									00-01
01																									01-02
02																									02-03
03																									03-04
04	47	29.940			9															9					04-05
05	53	29.940			9															8					05-06
06	54	29.940			7	4	AC	150	3	CI	E300	7								5	4	.000			06-07
07	48	29.940			6															4					07-08
08	51	29.945			4															3					08-09
09	50	29.940			2	1	H	-	0	TCU	80	1	0	AC	150	1	1	CI	300	2	0	.000			09-10
10	52	29.930			3															3					10-11
11	51	29.920			3															3					11-12
12	49	29.900			4	2	CB	80	1	AC	150	3	1	CI	300	4				4	8	.040			12-13
13	49	29.880			2															2					13-14
14	49	29.870			2															2					14-15
15	57	29.860			4	2	CB	80	1	AC	150	3	1	CI	250	4				3	6	.040			15-16
16	51	29.860			3															2					16-17
17	50	29.845			3															3					17-18
18	46	29.845			3	1	CB	90	0	AC	150	1	2	CI	250	3				2	8	.015			18-19
19	46	29.870			2															2					19-20
20	46	29.870			3															2					20-21
21	50	29.875			2	2	AC	150												2	1	.030			21-22
22	47	29.870			6															4					22-23
23																									23-24

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.) 2300 TO	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.			
	TO 0444	X	0	0	X	67	64	X	X						X			
	0444	1	0	0	0	68	64											
	0948	2	0	0	0	86	66											
	1545	3	0	0	0	97	83											
	2145	4	0	0	0	87	73											
	2300	X	0	0	0	74	72	X	X						X			

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)	0949	1545	2145
ATT. THERM.			
OBSERVED BAR.			
TOTAL CORR.			
STA. PRESS.	29.940	29.820	29.875
BAROGRAPH	29.950	29.870	29.875
BAR. CORR.	-.010	-.010	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNOFFICIAL (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Kts.)	PEAK WIND DIR. (Tens)	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER HIGHEST TO HIGHEST	WATER EQUIV. (Ins.)	
97	64	0	0	0	18	W	1558					4			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
H	0530	1230			
K	0621	1230			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME. SUNRISE SUNSET

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF RAINFALL ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P ± 0 Sec./ 1000P ± 0 Sec./ 1530P ± 0 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ○ U.S. GPO 1983-0-784-008/8088

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 2 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Min.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		36	37	38	39	40
00																								HR. 00
01																								01
02																								02
03																								03
04	49	29.850			8															8				04
05	50	29.850			7															7				05
06	53	29.850			7	2	CB	100	5	AC	13000	7								7	1	.010		06
07	52	29.860			4															4				07
08	48	29.860			3															3				08
09	50	29.860			4	1	CB	100	2	ACCAS	13000	3	1	CI	300	4				3	1	.010		09
10	52	29.860			5															5				10
11	51	29.850			3															3				11
12	49	29.830			2	1	CB	80	1	AC	13000	2	0	CI	300	2				2	8	.010		12
13	49	29.820			2															2				13
14	49	29.800			2															2				14
15	50	29.785			4	2	CB	80	2	AC	13000	4								4	7	.045		15
16	46	29.740			4															4				16
17	47	29.745			3															3				17
18	48	29.825			0	0	AC	13000												0	3	.040		18
19	52	29.850			0															0				19
20	46	29.870			0															0				20
21	49	29.870			0															0	1	.045		21
22	46	29.880			0															0				22
23																								23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.			
A1	2300 [redacted] TO 0400	X	0	0	X	72	69											
	0444	1	0	0	0	74	69											
	0948	2	0	0	0	92	70											
	1546	3	0	0	0	95	83											
	2145	4	0	0	0	86	69											
	2300 [redacted]	X	0	0	0	70	69											

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)	2349	1547	2146
ATT. THERM.			
CORRN. (Ins.)			
TOTAL (Ins.)			
STA. PRESS.	29.845	29.765	29.830
BAROGRAPH	29.860	29.800	29.870
BAR. CORR.	0	-.015	0

SUMMARY OF DAY [redacted] TO [redacted] (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNOFFICIAL (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Knots)	PEAK WIND: DIRECTION	PEAK WIND: TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER: TOP	FROZEN GROUND LAYER: BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78		80	81
95	69	0	0	0	15	W	1508					4			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
92	93	94	95	97	98
H	0740	1650			
K	0740	1650			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P ± 0 Sec./ 1000P ± 0 Sec./ ± ____ Sec.

1 - First of several occurrences

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆ U.S. GPO 1983-0-784-008/6089

MF1-108 (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 3 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36		38	39	40
00																								
01																								
02																								
03																								
04	47	29.890			10															10				
05	54	29.900			10															10				
06	52	29.910			10	10	ST	M11												10	1	.020		
07	48	29.910			6															5				
08	55	29.910			0															0				
09	50	29.910			0	0	CU	60												6	4	.000		
10	53	29.905			0															0				
11	51	29.900			1															1				
12	49	29.900			6	5	ST	9	1	CB	E60	6								6	6	.010		
13	49	29.890			7															7				
14	49	29.870			4															4				
15	51	29.855			1	1	ST	11	0	CB	60	1								1	7	.075		
16	49	29.860			2															2				
17	48	29.870			6															6				
18	49	29.875			10	10	ST	M11												10	2	.020		
19	46	29.900			10															10				
20	46	29.925			10															10				
21	52	29.935			10	10	SC	M16												10	1	.000		
22	41	29.930			10															10				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.) 2300	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.		
41		42	44	43	45	47	48	49	50	51	52	53	54	55	56	57	58
	2300 TO 0444	X	0	0	X	70	68	X	X						X		
	0444	1	0	0	0	70	68										
	0948	2	0	0	0	77	68										
	1545	3	0	0	0	77	70										
	2145	4	0	0	0	71	68										
	2300	X	0	0	0	69	68	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59		0949	1547	2146
ATT. THERM. 60				
OBSERVED BAR. 61				
TOTAL CORR. 62				
STA. PRESS. 63		29.910	29.855	29.935
BAROGRAPH 64		29.920	29.870	29.930
BAR. CORR. 65		-.010	-.02	+.005

SUMMARY OF DAY [redacted] TO [redacted] (2300P TO 2300P)

24-HR. MAX. TEMP. (°F) 66	24-HR. MIN. TEMP. (°F) 67	24-HR. PRECIP. WATER EQUIV. (Ins.) 68	24-HR. SNOWFALL UNMELTED (Ins.) 69	SNOW DEPTH (Ins.) 70	PEAK WIND SPEED (Mi/hr.) 71	PEAK WIND DIRECTION 72	PEAK WIND TIME (L.S.T.) 73	THICKNESS OF ICE ON WATER (Ins.) 74	FROZEN GROUND LAYER (Ins.) TOP 75	FROZEN GROUND LAYER (Ins.) BASE 76	RIVER GAGE 77	SKY COVER SUNRISE TO SUNSET 78	SKY COVER MIDNIGHT TO MIDNIGHT 79	WATER EQUIV. (Ins.) 80	81
77	68	0	0	0	17	5	1244					4			

WEATHER & OBSTRUCTIONS TO VISION

TYPE 82	BEGAN 83	ENDED 84	TYPE 86	BEGAN 87	ENDED 88
H	CONT	1025			
K	0758	1025			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0500P @ 1 Sec. / 1000P @ 1 Sec. / 1530P ±0 Sec.

SP=

RS=

MF1-108 (10-83) SUPERSEDES MF1-108 (1-82) WHICH MAY BE USED. ☆U.S.GPO 1983-0-784-008/8088

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 4 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMID (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								
01																								
02																								
03																								
04	47	29.885			3															3				
05	52	29.890			8															3				
06	48	29.900			8	8	SC	17												4	3	.010		
07	51	29.910			8															5				
08	51	29.910			4															0				
09	50	29.900			2	2	K	100												0	0	.000		
10	52	29.890			2															0				
11	53	29.880			2															0				
12	56	29.860			1	1	K	100												0	8	.040		
13	49	29.840			1															0				
14	49	29.820			0															0				
15	53	29.835			0	0	CU	80												0	5	.035		
16	50	29.835			0															0				
17	48	29.835			0															0				
18	50	29.860			0	0	ST	10												0	3	.035		
19	50	29.870			0															0				
20	51	29.890			0															0				
21	51	29.900			10	10	ST	M11												10	1	.040		
22	50	29.900			10															10				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.) 2300 TO	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.							SOIL TEMP.		
A1		A3	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	
	0444	X	0	0	X	69	67	X	X						X			
	0444	1	0	0	0	69	67											
	0448	2	0	0	0	79	67											
	1550	3	0	0	0	83	77											
	2148	4	0	0	0	79	65											
	2300	X	0	0	0	67	66	X	X						X			

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59	0949	1551	2149
ATT. THERM. 60			
OBSERVD. BAR. 61			
TOTAL CORR. 62			
STA. PRESS. 63	29.900	29.825	29.900
BAROGRAPH 64	29.910	29.830	29.900
BAR. CORR. 65	-.010	-.005	0

SUMMARY OF DAY (TO) (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNKN. TO (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Etc.)	PEAK WIND DIR. 10's	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
83	65	0	0	0	14	5	1111					3			

WEATHER & OBSTRUCTIONS TO VISION

TYPE 82	BEGAN 83	ENDED 84	TYPE 85	BEGAN 87	ENDED 88
H	0815	1123			
H	1435	CONT			
K	.435	CONT			

89. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED MINUTE AND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0500P @ 1 Sec. / 1000P @ 1 Sec. / 1600P @ 1 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ○ U.S.GPO 1983-0-784-008/8089

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 5 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Min.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								
01																								
02																								
03																								
04	5? 24.890				10															10				
05	5- 24.895				10															10				
06	5. 24.915				7	7	SC	MID												6	3	.030		
07	4E 24.925				7															6				
08	7? 29.930				0															0				
09	44 29.935				0															0	1	.005		
10	52 24.920				0															0				
11	48 24.910				0															0				
12	49 24.900				0															0	7	.030		
13	54 24.880				0															0				
14	48 24.870				0															0				
15	51 24.860				0															0	7	.040		
16	49 24.860				0															0				
17	48 24.865				0															0				
18	53 24.875				0	0	K	100												0	3	.015		
19	47 24.900				0															0				
20	51 24.915				0															0				
21	50 24.915				0															0	1	.040		
22	48 24.920				0															0				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.							SOIL TEMP.			
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58		
	2300 TO 0457	X	0	0	X	67	65	X	X						X				
	0457	1	0	0	0	67	65												
	0945	2	0	0	0	76	65												
	1548	3	0	0	0	80	74												
	2147	4	0	0	0	79	66												
	2300	X	0	0	0	66	64	X	X						X				

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)	2246	1549	2148
ATT. THERM.			
OBSERVD. BAR.			
TOTAL CORR.			
STA. PRESS.	24.935	24.860	29.915
MAND. LEVEL	29.025	29.860	29.915
BAR. CORR.	+.090	0	0

SUMMARY OF DAY [redacted] TO [redacted] (2300P TO 2300P)

3-HR. MAX. TEMP. (°F)	3-HR. MIN. TEMP. (°F)	3-HR. PRECIP. WATER EQUIV. (Ins.)	3-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Knots)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
80	64	0	0	0	15	SW	1229					2			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNSHINE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST 5-SEC. WIND SPEED ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0930P @1 Sec./ 1600P @1 Sec./ 2200P @1 Sec.

SP=

RS=

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88
H	CONT	UNKN			
K	CONT	CONT			
H	1530	2030			
K	1530	2090			

MF1-10B (10-83) SUPERSEDES MF1-10B (1-62) WHICH MAY BE USED. ☆U.S. GPO 1983-0-784-008/8089

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 6 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUM. MATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUM. MATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3 HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Inc.)	HR.
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
00																									00
01																									01
02																									02
03																									03
04	59	29.910				0														0					04
05	58	29.915				0														0					05
06	48	29.930				0														0	3	.024			06
07	46	29.935				0														0					07
08	51	29.940				0														0					08
09	47	29.940				0														0	1	.016			09
10	50	29.935				0														0					10
11	49	29.930				0														0					11
12	49	29.910				0														0	8	.030			12
13	46	29.885				0														0					13
14	46	29.870				0														0					14
15	51	29.865				0														0	6	.045			15
16	48	29.860				0														0					16
17	49	29.865				0														0					17
18	49	29.880				0														0	3	.015			18
19	50	29.900				0														0					19
20	47	29.920				0														0					20
21	51	29.925				0														0	1	.045			21
22	48	29.930				0														0					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GROUND						SOIL TEMP.		
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58
	2300 TO 0458	X	0	0	X	66	60	X	X						X		
	0458	1	0	0	0	66	60										
	0945	2	0	0	0	76	60										
	1547	3	0	0	0	84	75										
	2148	4	0	0	0	77	68										
	2300	X	0	0	0	68	66	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)	59	1548	2149
ATT. THERM.			
CORR. BAR.			
TOTAL CORR.			
SEA LEVEL PRESS.	29.940	29.865	29.925
3 HR. CHANGE	29.940	29.870	29.930
BAR. CORR.	0	-.005	-.005

SUMMARY OF DAY [redacted] TO [redacted] (2300P To 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Kts.)	PEAK WIND DIR.	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
84	60	0	0	0	15	W	1516					0			

[redacted] HOURS AND MINUTES ARE MINUTES AFTER MIDNIGHT

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED [redacted] WIND SPEED AND DIRECTION ____ MPH ____ OR FASTEST MILE ____ MPH ____ ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0930P ± 1 Sec./ 1600P @ 1 Sec./ ± Sec.

SP=

RS=

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. *U.S.GPO 1983-0-764-008/8088

MF1-108 (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 7 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUMMATION (Ins.)	PRECIPITATION (Ins.)	HR.
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
00																									00-01
01																									01-02
02																									02-03
03																									03-04
04	47	29.910				0														0					04-05
05	52	29.780				0														0					05-06
06	48	29.730				0														0	2	.015			06-07
07	54	29.925				0														2					07-08
08	53	29.920				0														0					08-09
09	50	29.920				0														0	6	.010			09-10
10	51	29.910				0														0					10-11
11	55	29.890				0														0					11-12
12	49	29.870				1	1	Cl	250											1	7	.050			12-13
13	55	29.840				0														0					13-14
14	46	29.820				1														0					14-15
15	52	29.815				2	2	Cl	250											0	6	.055			15-16
16	53	29.810				7														2					16-17
17	53	29.820				8														2					17-18
18	49	29.826				7	7	Cl	E250											4	1	.005			18-19
19	46	29.845				4														0					19-20
20	46	29.860				4														0					20-21
21	44	29.860				7	7	Cl	250											2	1	.040			21-22
22	46	29.865				7														2					22-23
23																									23-24

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (LST)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.			
A1	A2	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	
	2300 TO 0500	X	0	0	X	67	61	X	X						X			
	0444	1	0	0	0	68	61											
	0948	2	0	0	0	80	61											
	1545	3	0	0	0	84	78											
	2145	4	0	0	0	81	70											
	2300	X	0	0	0	70	68	X	X						X			

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59	0949	1548	2146
ATT. THERM. 60			
CORRTN. (Ins.) 61			
TOTAL CORR. 62			
STA. PRESS. 63	29.820	29.815	29.860
BAROGRAPH 64	29.825	29.825	29.865
BAR. CORR. 65	-.010	-.010	-.005

SUMMARY OF DAY (2300P to 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Knots)	PEAK WIND: DIRECTION	PEAK WIND: TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.): TOP	FROZEN GROUND LAYER (Ins.): BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)		
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	
84	61	C	0	0	15	W	1715					1				

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	86	87
H	0530	1705			
K	0740	1705			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ (M.P.H.) OR FASTEST MILE ____ (M.P.H.) ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P @ 1 Sec. / 1000P @ 1 Sec. / 1530P @ 1 Sec.

SP=

RS=

MF1-108 (10-83) SUPERSEDES MF1-108 (1-82) WHICH MAY BE USED. ☆ U.S. GPO 1983-0-784-008/8099

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 8 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMID (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR CHANGE (Ins.)	SUNSHINE (Min.)	PRECIPITATION (Ins.)	HR
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
00																									00
01																									01
02																									02
03																									03
04	47	29.865				7														5					04
05	55	29.870				4														1					05
06	51	29.880				1	1	H	-	0	CI	250	1							1	2	.015			06
07	58	29.895				1														1					07
08	02	29.900				1														1					08
09	58	29.910				1	1	H	-											1	2	.010			09
10	55	29.900				0														0					10
11	58	29.895				0														0					11
12	49	29.880				0														0	7	-.030			12
13	49	29.875				0														0					13
14	49	29.860				0														0					14
15	44	29.850				2	2	CI	250											2	7	.020			15
16	49	29.855				2														1					16
17	54	29.855				2														2					17
18	55	29.870				1	1	CI	250											1	3	.020			18
19	46	29.890				1														1					19
20	49	29.910				0														0					20
21	50	29.915				0														0	1	.005			21
22	46	29.930				0														0					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.			
41	2330	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	
	0744		0	0		70	63											
	0944	1	0	0	0	70	63											
	2948	2	0	0	0	83	64											
	1545	3	0	0	0	87	82											
	2145	4	0	0	0	88	70											
	2300		0	0	0	70	69											

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59	0949	1544	2146
ATT. THERM. 60			
CORR. (Ins.) 61			
TOTAL CORR. 62			
STA. PRESS. 63	29.90	29.85	29.915
BAROGRAPH 64	29.910	29.860	29.910
BAR. CORR. 65	0	-.010	+.005

SUMMARY OF DAY (GMT) TO (GMT) (2300P To 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNREL TO (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Knots)	DIRECTION	TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.): TOP	BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
88	63	0	0	0	16	5	1342					1			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	86	87
F	CONT	0640			
H	CONT	1425			
K	0640	1425			
H	2130	CONT			

REMARKS NOTED AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE	(MIN.)	PERCENT OF POSSIBLE SUNSHINE	CHARACTER OF SUNRISE	CHARACTER OF SUNSET
FASTEST OBSERVED 1-MINUTE WIND SPEED	M.P.H.	OR FASTEST MILE	M.P.H.	ASSOCIATED DIRECTION	TIME

TIME CHECK - CLOCK AT: 0500P @2 Sec. / 1000P @2 Sec. / 1536P @1 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ★U.S.GPO:1983-0-764-008/8099

MF1-108 (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 9 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ___ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	OBS. DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Min.)	PRECIPITATION (Ins.)
00																								
01																								
02																								
03																								
04	47	29.930				10																		
05	53	29.940				10														8				
06	54	29.960				9	2	F	-	2	AC	180	4	5	CS	E250	9				8				
07	52	29.960				7														7	3	.050		
08	51	29.960				4														4				
09	50	29.970				4	1	H	-	3	ACCAS	180	4							4				
10	55	29.970				3														4	1	.010		
11	48	29.960				3														3				
12	44	29.950				3	3	ACCAS	160											3				
13	49	29.940				1														3	8	.020		
14	49	29.930				3														1				
15	52	29.920				1	1	ACCAS	160	0	CI	200	1							3				
16	52	29.910				1														1	7	.030		
17	45	29.910				0														1				
18	46	29.920				0	2	AC	160											0				
19	48	29.945				0														0	5	.000		
20	50	29.960				0														0				
21	50	29.960				0														0	1	.040		
22	50	29.960				0														0				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.							SOIL TEMP.			
	2308 TO 0444	X	0	0	X	69	64	X	X							X			
	0444	1	0	0	0	70	64												
	0948	2	0	0	0	82	64												
	1548	3	0	0	0	90	79												
	2147	4	0	0	0	82	69												
	2300	X	0	0	0	70	68	X	X							X			

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)		0944	1549	2149
ATT. THERM.				
OBSERVED BAR.				
TOTAL CORR.				
SYN. PRESS.		29.770	29.920	29.960
DAILY RANGE		29.770	29.920	29.960
BAR. CORR.		0	0	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL MELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Etc.)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER END-HEIGHT TO END-HEIGHT	WATER EQUIV. (Ins.)	
90	64	0	0	0	18	W	1636					4			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
H	CONT	1225			
F	CONT	0715			
K	0715	1225			

REMARKS, NOTES AND NONROUTINE PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED AND DIRECTION M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0500 P @2 Sec./1000P @2 Sec./1600P @2 Sec.

SP=

RS=

MF1-108 (10-83) SUPERSEDES MF1-108 (1-82) WHICH MAY BE USED. ☆ U.S. GPO 1983-0-784-008/8089

MF1-10B
10-83

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 10 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)	HR.
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
00																									00-01
01																									01-02
02																									02-03
03																									03-04
04 47	29.930				4															1					04-05
05 54	29.940				6															2					05-06
06 52	29.940				9	9	CS	E250												5	1	.010			06-07
07 55	29.940				6															2					07-08
08 49	29.940				8															6					08-09
09 50	29.945				8	6	AC	E180	2	CS	250	8								6	3	.005			09-10
10 48	29.940				9															7					10-11
11 51	29.920				10															10					11-12
12 49	29.900				10	6	AC	E160	4	CI	250	10								8	3	.045			12-13
13 49	29.885				9															7					13-14
14 49	29.860				6															4					14-15
15 52	29.845				3	1	AC	160	2	CI	250	3								3	7	.055			15-16
16 49	29.835				1															1					16-17
17 50	29.835				1															1					17-18
18 52	29.840				0	0	CI	200												0	5	.005			18-19
19 49	29.860				0															0					19-20
20 50	29.870				0															0					20-21
21 52	29.860				0															0	0	.020			21-22
22 53	29.850				0															0					22-23
23																									23-24

SYNOPTIC OBSERVATIONS

TIME (GMT)	TIME (LST)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	49	STATE OF GRND. 50	51	52	53	54	55	SOIL TEMP. 56	57	58
41	2300	42	43	44	45	46	47	48									
	ADD TO 0344	X	0	0	X	68	63	X	X						X		
	0344	1	0	0	0	70	63										
	0748	2	0	0	0	77	62										
	1548	3	0	0	0	83	73										
	2148	4	0	0	0	80	67										
	2300	X	0	0	0	67	66	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59	0749	1549	2150
ATT. THERM. 60			
OBSERVED BAR. 61			
TOTAL CORR. 62			
SYS. PRESS. 63	29.995	29.845	29.860
BAROGRAPH 64	29.940	29.850	29.870
BAR. CORR. 65	+.055	-.005	-.010

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F) 66	24-HR. MIN. TEMP. (°F) 67	24-HR. PRECIP. WATER EQUIV. (Ins.) 68	24-HR. SNOWFALL (Ins.) 69	SNOW DEPTH (Ins.) 70	PEAK WIND SPEED (Kts.) 71	PEAK WIND DIRECTION **	PEAK WIND TIME (L.S.T.) 73	THICKNESS OF ICE ON WATER (Ins.) 74	FROZEN GROUND LAYER (Ins.) TOP 75	FROZEN GROUND LAYER (Ins.) BASE 76	RIVER GAGE 77	SKY COVER SUNRISE TO SUNSET 78	SKY COVER MID-NIGHT TO MID-NIGHT 79	WATER EQUIV. (Ins.) 80	81
83	62	C	C	0	14	W	1848					7			

WEATHER & OBSTRUCTIONS TO VISION

TYPE 82	BEGAN 83	ENDED 84	TYPE 86	BEGAN 87	ENDED 88
H	0530	1040			
K	0727	1040			

9. REMARKS, NOTICES AND SPECIAL OBSERVATIONS

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED AND DIR. M.P.H. | OR FASTEST 5-MIN. M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0500P ±0 Sec. / 1000P ±0 Sec. / 1600P ±0 Sec.

!! LAST OF SEVERAL OCCURRENCES

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆U.S.GPO:1983-0-764-008/8099

MF1-10B
10-83

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 11 1987

To convert LST to GMT ADD 7 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								
01																								
02																								
03																								
04	29.815				10															10				
05	29.820				10															10				
06	29.830				10	10	SC	M19												10	3			
07	29.835				10															10				
08	29.840				9															9				
09	29.845				4	4	SC	16												4	1	-.015		
10	29.835				0															0				
11	29.820				0															0				
12	29.820				0															0	E	.225		
13	29.810				0															0				
14	29.790				0															0				
15	29.775				0	0	CI	250												0	7	.645		
16	29.770				0															0				
17	29.765				0															0				
18	29.775				0															0	5	.000		
19	29.790				0															0				
20	29.800				0															0				
21	29.800				10	10	ST	M13												10	1	.025		
22	24.800				10															10				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.							SOIL TEMP.			
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	58	57	58	
	1800 TO 0456	X	0	0	X	68	67	X	X							X			
	0456	1	0	0	0	68	64												
	0445	2	0	0	0	72	68												
	1548	3	0	0	0	75	72												
	2147	4	0	0	0	73	66												
	2300	X	0	0	0	68	67	X	X							X			

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)	59		0445	1548	2147
ATT. THERM.	60				
OBSERVD. BAR.	61				
TOTAL CORR.	62				
SYL. PRESS.	63		29.845	29.775	29.800
BAROGRAPH	64		29.745	29.790	29.810
BAR. CORR.	65		0	-.015	-.010

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT) (2300 P TO 2300 P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNREL. TO (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Kts.)	PEAK WIND: DIRECTION	PEAK WIND: TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.): TOP	FROZEN GROUND LAYER (Ins.): BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: MIDNIGHT TO MIDNIGHT (LOCAL STANDARD TIME)	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
75	64	0	0	0	14	5	1330					3			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME. SUNRISE SUNSET

TOTAL SUNSHINE (MIN.)	PERCENT OF POSSIBLE SUNSHINE	CHARACTER OF SUNRISE	CHARACTER OF SUNSET
FASTEST OBSERVED 1-MINUTE WIND SPEED / DIR.	OR FASTEST MILE / DIR.	RESULTANT WIND SPEED / DIR.	TIME

TIME CHECK - CLOCK AT: GOOD @ 1 Sec./1000 ℉ @ 1 Sec./ ± Sec.

J LAST OF SEVERAL OCCURRENCES

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆U.S.GPO 1983-0-784-008/6088

MF1-10B
10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 12 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)	
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36					
00																									00
01																									01
02																									02
03																									03
04	56	29.825				10														10					04
05		29.825				10														10					05
06	53	29.835				10	10	SC	E32											10	3	.035			06
07		29.820				10														10					07
08	52	29.825				10														10					08
09	50	29.835				10	5	SC	25	5	SC	E35	10							10	3	.020			09
10		29.830				10														10					10
11	50	29.820				10														10					11
12	74	29.810				10	3	SC	30	7	CS	E20	10							8	9	.035			12
13	55	29.800				10														10					13
14	51	29.800				10														9					14
15	50	29.795				9	2	CU	20	3	SC	32	5	4	CS	250	9			4	8	.005			15
16	52	29.800				9														7					16
17	54	29.800				10														10					17
18	47	29.800				10	2	SC	18	10	SC	E32	10							10	1	.005			18
19	53	29.820				10														10					19
20	48	29.820				10														10					20
21	50	29.820				10	5	SC	19	5	SC	M35	10							10	1	.020			21
22	49	29.830				10														10					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GROUND						SOIL TEMP.		
41	2300	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58
	0454		0	0		64	66										
	0900	1	0	0	0	69	66										
	0045	2	0	0	0	71	66										
	1548	3	0	0	0	73	69										
	2148	4	0	0	0	70	67										
	2300		0	0	0	68	67										

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59	0446	1549	2149
ATT. THERM. 60			
OBSVD. BAR. 61			
TOTAL CORR. 62			
STA. PRESS. 63	29.835	29.795	29.800
BAROGRAPH 64	29.837	29.800	29.830
BAR. CORR. 65	C	-.005	-.010

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Etc.)	PEAK WIND: DIRECTION	PEAK WIND: TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.): TOP	FROZEN GROUND LAYER (Ins.): BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
73	66	0	0	0	21	SE	1331					10			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.)	PERCENT OF POSSIBLE SUNSHINE	CHARACTER OF SUNRISE	CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED	M.P.H.	OR FASTEST MILE	M.P.H.	ASSOCIATED DIRECTION	TIME

TIME CHECK - CLOCK AT: 0500 P Sec. / 0900 P Sec. / 1600 P Sec. / Sec.

SP=

RS=

MF1-10B (10-83)

SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED.

*U.S.GPO 1983-0-764-008/8000

MP1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: 9-13 SEP 13 1987 87

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMID. (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL SKY COVER	PRESSURE END. CH.	NET 3-HR. CHANGE (Ins.)	SUMMATION (Ins.)	PRECIPITATION (Ins.)	
00																									00
01																									01
02																									02
03																									03
04	29.[illegible]				9															9					04
05	29.[illegible]				10															9					05
06	29.[illegible]				7	6	SC	15	3	SC	30	3	4	SC	EMS	7				6	3	.01C			06
07	29.[illegible]				8															7					07
08	29.[illegible]				9															9					08
09	29.940				10	7	SC	E20	3	SC	25	10								10	3	.15			09
10	29.95[illegible]				10															10					10
11	29.935				9															7					11
12	29.940				6	6	SC	E45												5	5	.00			12
13	29.940				5															5					13
14	29.935				3															3					14
15	29.935				3	0	SC	20	3	SC	45	3								3	6	.05			15
16	29.940				2															2					16
17	29.940				0															0					17
18	29.[illegible]				0															0	3	.01			18
19	29.970				0															0					19
20	29.980				0															0					20
21	29.980				0															0	1	.03			21
22	29.970				0															0					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (GMT)	TIME (LST)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF GRND.	SOIL TEMP.	STATION PRESSURE COMPUTATIONS			
	2300	X	0	0	X	68	65	X	X		TIME (L.S.T.)	0946	1549	2140
	0453	1	0	0	0	68	65				ATT. THERM. 60			
	0745	2	0	0	0	71	65				CORRECTION 61			
	1548	3	0	0	0	72	69				TOTAL CORR. 62			
	2148	4	0	0	0	70	65				STA. PRESS. 63	29.946	29.935	29.980
	2300	X	0	0	0	65	64	X	X		BAROGRAPH 64	29.93[illegible]	29.935	29.980
											BAR. CORR. 65	+.01C	0	0

SUMMARY OF DAY [illegible] TO [illegible] (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNREL. TO (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Ens.)	PEAK WIND DIR. (10's)	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
72	64	0	0	0	16	SW	1304					6			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNSHINE CHARACTER OF BAROGRAM

FASTEST OBSERVED 1-MINUTE WIND SPEED AND DIR. ____ M.P.H. ON ____ FASTEST MILE ____ M.P.H. RESULTANT WIND SPEED AND DIRECTION TIME

TIME CHECK - CLOCK AT: 0130P @1 Sec./1600P @1 Sec./2200P @1 Sec.

SP=

RS=

MP1-10B (10-83) SUPERSEDES MP1-10B (1-82) WHICH MAY BE USED. ☆U.S.GPO 1983-0-784-006/6088

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: 14 SEP 14 1987 87

To convert LST to GMT ADD 7 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUB-MODIFICATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUB-MODIFICATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	3 HR. PRESS. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
00																								
01																								
02																								
03																								
04	55	30.040				0															0				
05	52	30.0				0															0				
06	49	30.010				0															0	1	.070		
07	51	30.010				0															0				
08	49	30.020				0															0				
09	48	30.020				0	0	CU	10												0	1	.010		
10	47	30.020				0															0				
11	46	30.010				0															0				
12	50	29.990				0	0	SC	25												0	8	-.030		
13	49	29.970				0															0				
14	49	29.960				0															0				
15	52	29.970				0															0	7	.050		
16	50	29.945				0															0				
17	49	29.950				0															0				
18	45	29.960				0															0	3	.020		
19	50	29.980				0															0				
20	49	29.990				0															0				
21	44	29.990				0															0	1	.030		
22	43	29.990				0															0				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF GROUND	SOIL TEMP.	STATION PRESSURE COMPUTATIONS: TIME (L.S.T.)			
	2300												
	0000 TO 0445	X	0	C	X	65	60	X	X				
	0450	1	0	C	0	65	60			ATT. THERM.			
	0445	2	C	0	C	74	60			ORIGINAL BAR.			
	1548	3	0	0	0	77	73			TOTAL CORR.			
	2147	4	0	0	0	75	67			EVA. PRESS.	30.010	29.940	29.990
	2300	X	0	C	0	67	66	X	X	BAROGRAPH	30.015	29.950	29.990
										BAR. CORR.	+.005	-.010	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Etc.)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICK. NESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO 2300	WATER EQUIV. (Ins.)	
77	60	0	0	0	14	W	1605					0			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED

REMARKS (WITH ANY MISCELLANEOUS PHENOMENA)

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED & DIR. M.P.H. | OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 2300P @ Sec. / 0936P @ Sec. / 1600 @ Sec.

1 LAST OF SEVERAL OCCURRENCES

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. *U.S.GPO 1983-0-784-008/8089

MF1-10B
10-83

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 15 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB °F	WET BULB °F	REL HUMIDITY %	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. PRESS. CHANGE (Ins.)	SUNSHINE (Min.)	PRECIPITATION (Ins.)
00																								
01																								
02																								
03																								
04	29.900				0															0				
05	[illegible]				0															0				
06	29.895				0															0	5	.005		
07	29.890				0															0				
08	29.890				0															0				
09	29.890				0															0	6	.005		
10	[illegible]				0															0				
11	29.890				0															0				
12	29.890				0															0				
13	29.910				0															0	7	.060		
14	29.930				3															1				
15	29.935				3	3	CI	250												2	6	.050		
16	29.915				6															2				
17	29.885				9															5				
18	29.890				9	1	AC	180	8	CI	E250	9								5	1	.010		
19	29.900				9															7				
20	29.910				8															6				
21	29.910				10	10	CS	E250												10	1	.020		
22	29.910				8															5				
23																								

SYNOPTIC OBSERVATIONS

TIME (GMT)	TIME (LST)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GROUND						SOIL TEMP.		
	2300 [redacted] TO 0444	X	0	0	X	66	61	X	X						X		
	0444	1	0	0	0	67	61										
	0948	2	0	0	0	76	61										
	1547	3	0	0	0	84	74										
	2147	4	0	0	0	79	67										
	2300 [redacted]	X	0	0	0	67	66	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)		0949	1549	2149
ATT. THERM.				
DIURNAL CORR.				
TOTAL CORR.				
STA. PRESS.		29.890	29.950	29.910
BAROGRAPH		30.000	29.950	29.910
BAR. CORR.		-.010	-.010	0

SUMMARY OF DAY [redacted] TO [redacted] (2300P To 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Kts.)	PEAK WIND DIR.	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
84	61	0	0	0	14	W	1542					2			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
F	0515	0640			
H	0515	1435			
K	0640	1435			
H	1630	1830			
K	1630	1830			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED AND DIR. M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT 0500P @ 1 Sec. / 1000P @ 1 Sec. / 1600P @ 1 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. * U.S.GPO 1983-0-764-008/8089

MF 1-10A
5-831

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

SURFACE WEATHER OBSERVATIONS

DATE: SEP 1 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mbs)	TEMP (°F)	DEW PT (°F)	WIND DIRECTION (10s of Deg.)	WIND SPEED (Kts)	WIND GUSTS (Kts)	ALTIMETER SETTING (Ins)	REMARKS AND SUPPLEMENTAL CODED DATA	QUALITY CONTROL
SA	0447	E150 BKN 300 BKN	7			152	66	62	30	04		998	/ 64	8ZW
SA	0553	E150 BKN 300 BKN	6		H	152	68	62	31	04		998	/VIRGA SE-SW	1ZW
SA	0654	150 SCT E300 BKN	5		HK	152	71	63	26	05		998	/VIRGA SE-SW-NW/ 400	8ZW
													1073	
SA	0748	150 SCT E300 BKN	5		HK	152	75	62	28	06		998	/VCBY LWR W-NW	1ZW
SA	0851	-X 150 SCT 300 SCT	4		HK	150	81	62	10	03		999	/HK1 ACCAS SW-NW	8ZW
SA	0950	-X 80 SCT 150 SCT 300 SCT	4		HK	152	83	62	20	07		998	/HK1 TCU DSNT N/	8ZW
													1272 64	
SA	1052	80 SCT 150 SCT 300 SCT	5		HK	149	92	62	26	07		997	/CB DSNT N MOVG NW	1ZW
													TCU NW-NE AND E	
SA	1151	80 SCT 150 SCT 300 SCT	6		HK	146	95	59	29	04		996	/CB DSNT N MOVG NW	1ZW
													TCU NW-NE MOVG E	
SA	1249	80 SCT 150 SCT 300 SCT	7			139	97	58	27	08		994	/CB DSNT NW-N AND E	8ZW
													MOVG NW RWU E/SE	
													1963	
SA	1349	80SCT 150SCT 200SCT	10			132	91	57	29	11		992	/CB NW-E	ML
SA	1449	80SCT 150SCT 200SCT	15			129	89	57	28	10		991	/CB N-E	ML
SA	1552	80SCT 150SCT 200SCT	15			125	87	50	26	12		990	/CB N-NE/614 1963	RMS
													47	
SA	1651	80SCT 150SCT 200SCT	15			125	84	52	31	09		990	/CB TCU N-NE	RMS
SA	1750	80SCT 150SCT 250SCT	15			122	83	56	29	09		989	/CBE TCU E-SE	RMS
SA	1846	80SCT 150SCT 250SCT	15			122	81	56	31	07		989	/CBE /905 1963	RMS
SA	1946	250SCT	15			129	77	60	14	07		991	FEW AC	RMS
SA	2046	150SCT 250SCT	15			129	75	60	29	07		991		RMS
SA	2150	150 SCT	15			132	73	61	28	03		992	/110 1030 97	RMS
SA	2247	E150 BKN	15			129	72	60	27	05		991	/LAST	RMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national coded groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

*U.S.GPO:1983-0-684-028/8010

MF1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 2 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mbs)	TEMP °F	DEW PT °F	WIND DIRECTION (00-36)	WIND SPEED (Kts.)	ALTIMETER SET. (Inches)	REMARKS AND SUPPLEMENTAL CODED DATA	QUALITY CONTROL
	2	3	4	4a	5	6	7	8	9	10	12	13	15
SA	0447	E40 BKN	7			122	71	63	10	03	989	/CB DSNT NE MOVG N RAW	
												CCA- TCU ICCG / 69	
SA	0552	E20 BKN	12			122	70	63	16	03	984	/CB NW NE AND S MOVG NW RAW	
												NW ACCAS NW AND NE	
SA	0653	100 SCT E130 BKN	12			122	75	64	13	03	984	/CB S AND NW ACCAS NW RAW	
												103 1960	
SA	0752	100 SCT 130 SCT	6		HK	125	82	62	32	03	990	/CB NE MOVG NW CB RAW	
												S AND NW DSIPTD TCU	
												NW	
SA	0847	100 SCT 130 SCT	6		HK	125	87	62	00	00	990	/CB NE MOVG NW TCU RAW	
												N ACCAS W-N	
SA	0950	100 SCT 130 SCT 300 SCT	6		HK	125	91	65	13	06	990	/CB AND TCU N ACCAS RAW	
												W-N AND E-SE / 103	
												981 63	
SA	1052	30 SCT 300 SCT	6		HK	125	85	63	16	10	990	/CB NW MOVG W ACCAS RAW	
												ALQDS OCP SE	
SA	1151	130 SCT 300 SCT	5		HK	122	92	62	26	03	989	/CB NW MOVD NW ACCAS RAW	
												NE-E AND S-SW	
SA	1249	80 SCT 130 SCT 300 SCT	7			115	94	62	20	05	987	/CB NW AND E MOVG RAW	
												NW TCU N-NE / 810 1963	
SA	1349	80 SCT 130 SCT	15			112	89	58	27	13	986	/CB NW-E	MC
SA	1449	80 SCT 130 SCT	15			105	89	58	29	09	984	/CB NW-NE	MC
SA	1550	80 SCT 130 SCT	15			102	85	56	28	11	983	/CB NW-NE/715 1960	RMS
												95	
SA	1646	80 SCT 130 SCT	15			102	85	59	27	04	983	/CB NW-NE	RMS
SA	1747	130 SCT	15			105	82	58	18	08	984	/CB NW-NE	RMS
SA	1848	CLR	20			115	72	63	15	10	987	/FEW AC /314 1030	RMS
SA	1952	CLR	20			122	69	65	15	08	989	/FEW AC	RMS
SA	2046	CLR	15			129	69	64	14	04	991		RMS
SA	2149	CLR	12			129	70	64	16	05	991	/115 95	RMS
SA	2246	CLR	12			135	69	65	14	04	993	/LAST	RMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_D i_R$hVV Nddff $1s_n$TTT $2s_n$$T_d$$T_d$$T_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRRt_R 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

*U.S.GPO:1983-0-384-008/8010

MF 1-10A
5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

STAT ON LONG BEACH, CALIF. (DAUGHERTY FIELD)

SURFACE WEATHER OBSERVATIONS

DATE SEP 3 1987

TO CONVERT LST TO GMT ADD 8 Hrs. SUBTRACT ____ Hrs.

TYPE	TIME (LST)	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles: SURFACE	VISIBILITY Miles: TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. Mbs.	TEMP °F	DEW PT °F	WIND: DIRECTION (00=Calm)	WIND: SPEED Kts.	WIND: CHARACTER	ALTIMETER SET. TING Ins.	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER INITIALS
	1	2/	4/	4a	5	6	7	8	9	10	11	12	13/	14/
SA	0447	M8 OVC	6		H	135	69	65	14	05		993	/CIG RGD/ 08	BKW
SA	0554	M9 OVC	5		H	139	69	64	16	04		994	/CIG RGD TOPS 015	BKW
SP	0618	M10 OVC	5		H				13	04		995	/CIG RGD	BKW
SA	0652	M11 OVC	6		H	142	70	65	19	03		995	/SML BINOVC/ 10T 16//	BKW
SA	0748	M12 BKN	6		H	142	72	65	13	05		995	/BKN V SCT	BKW
SP	0802	13 SCT	6		HK				14	05		995		BKW
SA	0855	CLR	6		HK	142	75	65	15	05		995		BKW
SA	0950	CLR	6		HK	142	76	65	18	06		995	/MDT CU N-NE/ 400	BKW
													1200 68	
SA	1053	CLR	7			142	76	64	19	08		995	/TCU DSNT NW MDT CU	BKW
													N-NE	
SA	1151	10 SCT 60 SCT	8			139	75	64	15	10		994	/MDT CU DSNT NW AND	BKW
													N-NE	
SP	1235	8 SCT 60 SCT	8						16	12		994	/8 SCT V BKN MDT	BKW
													CU DSNT NW-NE WND	
													13V21 TOPS OF ST LAYER	
													012	
SA	1249	9 SCT E60 BKN	8			139	73	64	18	12		994	/8 SCT V BKN CB DSNT	BKW
													NW MDT CU N-NE/ 603	
													1900	
SP	1330	M1CBKN E60KN	8						18	12		994	/CB DSNT NW	ML
SA	1349	M11BKN E60BKN	8			135	72	63	19	11		993	/CB DSNT N-NE	ML
SP	1412	11 SCT 60 SCT	8						17	09		992	/CB DSNT N-NE	ML
SA	1444	11 SCT 60 SCT	8			124	70	62	18	09		991	/CB DSNT N-NE	ML
SA	1551	11 SCT 60 SCT	8			125	71	62	18	10		990	/CB DSNT N-NE/	RMB
													715 1300 77	
SA	1644	11 SCT 60 SCT	7			125	69	62	17	09		990	/CB NE	RMB
SA	1748	11 SCT E150 BKN	7			129	68	62	17	09		991	/CT INCRG	RMB
SP	1755	M10BKN 150BKN	7						17	09		992	/8 BKN V SCT *10	RMB
SA	1849	M11 OVC	8			132	68	62	14	08		992	1207 16//	RMB
SA	1946	M11 OVC	8			139	68	62	14	07		994		RMB
SA	2046	M13 OVC	9			149	68	61	15	08		997		RMB
SP	2124	M16 OVC	10						14	10		997		RMB
SA	2152	M16 OVC	10			152	68	60	14	08		998	/120 15// 77	RMB
SA	2246	M18 OVC	10			149	68	61	11	04		997	/LAST	RMB

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following colored Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3PoPoPoPo 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

☆ U.S.GPO:1983-0-684-058/8010

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE SEP 4 1987

TO CONVERT LST TO GMT ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles: SURFACE	VISIBILITY Miles: TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. MB	TEMP °F	DEW PT °F	WIND DIRECTION (00=Calm)	WIND SPEED Kts.	ALTIMETER SETTING Ins.	REMARKS AND SUPPLEMENTAL CODED DATA	QUALITY CONTROL INDICATOR
1	2	3	4	4a	5	6	7	8	9	10	11	12	13	13a
SA	0447	17 SCT	8			135	67	60	17	04	993	/ 67		ZKW
SA	0553	17 SCT 140 -BKN	7			135	67	61	15	04	993	/ K140 -BKN		ZKW
SA	0648	17 -BKN	7			139	68	61	15	03	994	/ 303 1500		ZKW
SP	0656	M17 BKN	7						18	03	994			ZKW
SA	0751	M17 BKN	7			142	71	61	16	04	995			ZKW
SP	0820	17 SCT	6		H				32	03	995			ZKW
SA	0851	100 -SCT	6		H	142	73	61	30	03	995	/ K100 -SCT		ZKW
SA	0950	100 -SCT	6		H	139	78	62	27	03	994	/ K100 -SCT / OCC 67		ZKW
SA	1052	100 -SCT	6		H	135	78	62	18	09	993	/ SML CU DSNT N CMTNS K100 -SCT		ZKW
SA	1153	100 -SCT	7			132	79	62	19	10	992	/ SML CU DSNT NE CMTNS K100 -SCT		ZKW
SA	1250	100 -SCT	7			125	81	62	20	07	990	/ K100 -SCT / 814		ML
SA	1349	100 -SCT	7			119	83	59	18	09	988	/ K100 -SCT TCU DSNT E		ML
SA	1446	CLR	6		HK	112	81	58	21	09	986	/ CU DSNT E		ML
SA	1553	CLR	5		HK	115	78	59	27	05	987	/ VISBY SW-W MDT CU DSNT SE / 5/2 1200 83		AD
SA	1650	CLR	4		HK	115	74	62	29	09	987			AD
SA	1748	CLR	4		HK	119	71	62	28	10	988			AD
SA	1850	CLR	5		HK	125	68	61	29	09	990	/ VSBY HIRE ST DSNT W / 3/2 1600		AD
SA	1950	CLR	5		HK	129	66	61	30	06	991	/ VSBY HIRE		AD
SA	2051	CLR	5		HK	135	66	60	3005		993	/ ST DSNT SW-W		AD
SP	2124	M11 OVC	5		HK		~~66~~	~~60~~	3104		994	/ BINOVC		AD
SA	2151	M11 OVC	5		HK	139	66	60	30	05	994	/ THN SPOTS / OVC / 114 16// 83		AD
SA	2250	M11 OVC	5		HK	139	67	60	04	03	994	/ LAST		AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_n$TTT $2s_n T_d T_d T_d$ $3P_o P_o P_o P_o$ 4PPPP Sappp 6RRRt_R 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

☆U.S.GPO:1983-0-684-035/8010

MF 1-10A (3-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 5 1987

TO CONVERT LST TO GMT: ADD 8 HRS. SUBTRACT ____ HRS.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY Miles: SURFACE	VISIBILITY Miles: TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mbs.)	TEMP °F	DEW PT °F	WIND: DIRECTION (00=Calm)	WIND: SPEED Kts.	WIND: SPEED METERS	ALTIMETER SET. (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
SA	0456	M 15 CLR	8			135	66	56	14	05		993	/65	RMS
SA	0550	M 16 CLR	8			139	66	58	20	03		994	/NMRS SML BINOVC	RMS
SA	0651	M 16 BKN	10			142	68	59	12	04		996	/310 150C	RMS
SA	0748	M 17 BKN	13			146	69	59	12	03		996		RMS
SA	0910	19 SCT	13						17	04		997	/SCT CCHLY BTN	RMS
SA	0948	CLR	13			149	71	59	18	04		997	/FEW SC	RMS
SA	0974	CLR	14			149	75	60	24	08		997	/105 65	RMS
SA	1052	CLR	15			146	76	60	22	09		996		RMS
SA	1148	CLR	15			142	76	60	14	08		995		RMS
SA	1249	CLR	15			139	75	60	22	10		994	/710	RMS
SA	1354	CLR	15			132	76	60	20	10		992		RMS
SA	1449	CLR	15			124	74	57	22	09		991		RMS
SA	1551	CLR	5		HK	125	78	55	28	11		990	/VSBY MIR E/714 80	AD
SA	1649	CLR	5		HK	125	74	59	28	10		990		AD
SA	1748	CLR	5		HK	129	70	60	28	09		991		AD
SA	1853	CLR	6		HK	132	67	60	29	07		992	/K LAYER BNT W-NW/	AD
/		K											305	/
SA	1947	CLR	6		HK	139	66	59	28	06		994		AD
SA	2051	CLR	8			146	66	57	31	06		996		AD
SA	2150	CLR	10			146	66	56	34	05		996	/114 80	AD
SA	2248	CLR	10			146	64	58	34	05		996	/ LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_n$TTT $2s_n$$T_d$$T_d$$T_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRRt_R 7wwW_1W_2 8$N_h$$C_L$$C_M$$C_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (11-83) WHICH MAY BE USED.

☆U.S.GPO:1983-0-684-008/8010

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 6 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mbs.)	TEMP °F	DEW PT °F	WIND DIRECTION (10's deg.)	WIND SPEED (Kts.)	WIND CHARACTER	ALTIMETER SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
	1	3	4a	4b	5	6	7	8	9	10	11	12	13	14
SA	0456	CLR	5			142	60	57	00	00		995	1PTCHY CF 1 CC	AMS
SA	0550	CLR	13			146	60	57	00	00		996	1K LYR W	AMS
SA	0649	CLR	14			149	62	58	02	04		997	130 7	AMS
SA	0746	CLR	13			152	68	58	00	00		998		AMS
SA	0851	CLR	13			152	72	58	16	05		998		AMS
SA	0944	CLR	12			152	76	57	14	03		998	1103 CC	AMS
SA	1050	CLR	12			152	78	53	17	06		998		AMS
SA	1144	CLR	12			149	77	55	16	09		997		AMS
SA	1279	CLR	12			142	78	57	14	10		995	1810	AMS
SA	1346	CLR	15			135	81	55	17	08		993		RMS
SA	1446	CLR	15			129	82	54	27	10		991		RMS
SA	1551	CLR	15			129	77	52	28	09		991	1615 84	AD
SA	1648	CLR	14			125	75	53	30	04		990		AD
SA	1749	CLR	14			129	73	55	29	08		991		AD
SA	1849	CLR	15			132	70	56	28	07		992	1305	AD
SA	1950	CLR	10			139	70	54	00	00		994		AD
SA	2047	CLR	10			146	69	58	14	04		996		AD
SA	2151	CLR	10			149	68	58	00	00		997	1115 84	AD
SA	2248	CLR	8			149	66	59	07	03		997	1LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iR$_i$shVV Nddff 1s$_n$TTT 2s$_n$T$_d$T$_d$T$_d$ 3P$_o$P$_o$P$_o$P$_o$ 4PPPP 5appp 6RRRt$_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

• U.S.GPO:1983-0-684-038/8010

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 7 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS.	TEMP	DEW PT	WIND DIRECTION (00=Calm)	WIND SPEED (Kts.)	WIND CHARACTER	ALTIMETER SETTING (Inches)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
	2	3	4	4a	5	6	7	8	9	10	11	12	13	14
SA	0447	CLR	7			142	61	57	03	03		995	/ 61	RW
SA	0552	CLR	6		H	146	61	56	00	00		996		RW
SA	0648	CLR	6		H	149	66	57	00	00		997	/ 205	RW
SA	0754	CLR	5		HK	149	70	58	06	04		997		RW
SA	0853	CLR	5		HK	146	74	58	12	03		996		RW
SA	0950	CLR	5		HK	140	80	55	24	03		994	/ 205 61	RW
SA	1051	CLR	6		HK	142	79	59	18	10		995		RW
SA	1155	CLR	6		HK	135	82	57	16	09		993		RW
SA	1249	250 SCT	6		HK	129	83	56	18	11		991	/ 717 1001	RW
SA	1356	CLR	6		HK	114	83	54	19	09		988	1 FEW CI	RMB
SA	1446	250-SCT	6		HK	112	83	55	15	09		986		RMB
SA	1552	250-SCT	6		HK	112	81	54	19	10		986	/619 1001 84	RMB
SA	1653	250-BKN	6		HK	108	80	53	24	10		985		RMB
SA	1753	250-3KN	15			112	77	56	27	08		986		RMB
SA	1949	F250 BKN	15			112	74	58	24	06		984	/102 1002	RMB
SA	1446	250-SCT	15			122	71	54	24	04		989		RMB
SA	2046	250-SCT	15			125	71	60	00	00		990		RMB
SA	2149	250-BKN	20			125	70	62	14	04		990	/114 1001 84	RMB
SA	2246	250-BKN	20			124	68	63	14	04		991	/LAST	RMB

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

*U.S.GPO:1983-0-384-055/8010

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

SURFACE WEATHER OBSERVATIONS

DATE: SEP 8 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mbs)	TEMP	DEW PT. TEMP	WIND DIRECTION (00=Calm)	WIND SPEED (Kts.)	WIND GUSTS (Kts.)	ALTIM. SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
SA	0447	250 -BKN	4		FH	129	64	62	22	00		991	/ 63	RW
SA	0555	250 -SCT	4		FH	129	65	62	22	03		991		RW
SA	0651	-X 250 SCT	3		HK	132	68	61	01	03		992	/HK1/ 205 1001	RW
SA	0753	-X	4		HK	135	74	59	00	00		993	/HK1	RW
SA	0848	-X	4		HK	134	76	57	05	04		994	/HK1	RW
SA	0950	-X	4		HK	142	83	56	12	05		995	/HK1/ 210 63	RW
SA	1055	CLR	5		HK	139	83	59	18	09		994		RW
SA	1152	CLR	5		HK	135	83	60	17	09		993		RW
SA	1249	CLR	5		HK	132	83	59	18	10		992	/ 710	RW
SA	1349	CLR	6		HK	132	83	59	19	12		992		ML
SA	1449	CLR	8			125	82	61	17	11		990		ML
~~SA~~	~~1549~~	~~250 SCT~~	~~8~~			~~122~~	~~88~~	~~60~~	~~27~~	~~07~~		~~989~~	~~/ 710 1002 BK~~	~~RK~~
SA	1544	250 SCT	8			122	87	60	27	07		989	1710 1002 BK7	RK
SA	1644	250-SCT	13			125	85	55	30	08		990		RW
SA	1744	250 SCT	15			125	74	57	30	08		990		RMS
SA	1855	250 SCT	15			129	74	59	29	08		991	/367 1661	RMS
SA	1946	250 SCT	10			135	71	64	27	06		993		RMS
SA	2049	CLR	8			142	71	64	30	09		995	/FEW CI V56 LW1 W	RMS
SA	2150	CLR	5		H	146	70	64	00	00		996	/115 22	RMS
SA	2246	CLR	6		H	149	69	62	26	06		997	/LAST	RMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1s0TTT 2s0TdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 9 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mbs.)	TEMP (°F)	DEW PT (°F)	WIND DIRECTION (10's)	WIND SPEED (Kts.)	WIND CHARACTER	ALTIM SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER INITIALS
SA	0447	-X E250 OVC	3		FH	149	65	62	17	03		997	/FH2/ 64	RW
SA	0553	-X 200 SCT E250 OVC	3		FH	152	66	62	34	03		998	/FH2	RW
SP	0616	-X 200 SCT E250 OVC	2½		FH				32	04		999	/FH2 VSBY W-NW	RW
SA	0654	-X 180 SCT E250 BKN	2½		FH	159	67	62	14	03		000	/FH2 VSBY SW-NW2/ 210 1078	RW
SA	0752	-X 180 SCT E250 BKN	2½		HK	159	72	63	22	04		000	/HK2	RW
SA	0851	-X 180 SCT 250 SCT	2½		HK	159	76	63	30	04		000	/HK2	RW
SP	0914	-X 180 SCT 250 SCT	3		HK				00	00		001	/HK1 ACCAS W	RW
SA	0950	-X 180 SCT	3		HK	163	82	61	02	03		001	/HK1 ACCAS NW/ 103 1080 64	RW
SA	1055	-X 180 SCT	3		HK	163	80	64	15	08		001	/HK1 ACCAS SW-NW VIRGA OVHD-W	RW
SA	1148	180 SCT	5		HK	159	88	62	25	09		000	/ACCAS AND VIRGA W-N	RW
SA	1249	160 SCT	10			156	89	54	25	09		999	/ACCAS AND VIRGA W-N 807 1080	RW
SA	1349	160 SCT 200 SCT	12			152	84	56	29	12		998	/ACCAS N	ML
SA	1449	160 SCT 200 SCT	12			149	84	56	27	12		997	/ACCAS ALQDS	ML
SA	1552	160 SCT 200 SCT	12			146	81	55	27	13		996	/ACCAS ALQDS / 710 108 190	AD
SA	1652	160 SCT 200 SCT	12			142	81	51	26	11		995	/FEW ACCAS CU E-SE	AD
SA	1748	CLR	14			142	77	53	29	08		995	/FEW AC	AD
SA	1848	CLR	15			146	74	55	31	06		996	/FEW AC / 500 107C	AD
SA	1948	CLR	14			156	73	54	28	08		999	/FEW AC	AD
SA	2050	CLR	14			159	72	56	29	05		000	/FEW AC	AD
SA	2150	CLR	12			159	69	58	30	07		000	/114 90	AD
SA	2250	CLR	10			159	68	59	27	06		000	/LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

U.S.GPO:1989-0-654-000/80710

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 10 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mbs.)	TEMP °F	DEW PT. °F	WIND DIRECTION (10's of Deg.)	WIND SPEED Kts.	WIND CHARACTER	ALTIMETER SET. (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
	2	3	4a	4b	5	6	7	8	9	10	11	12	13	14
SA	0447	250 -SCT	8			1149	63	59	00	00		997	/ 63	RLW
SA	0556	250 -BKN	6		H	152	64	59	06	04		998		RLW
SA	0652	E250 BKN	5		H	152	67	59	36	03		998	/ 103 1008	RLW
SA	0755	250 -BKN	5		HK	152	70	61	11	05		998		RLW
SA	0849	E180 BKN 250 BKN	6		HK	152	73	62	07	04		998		RLW
SA	0950	E180 BKN 250 BKN	6		HK	156	74	62	17	08		999	/ 322 1038 62	RLW
SA	1048	E180 BKN 250 BKN	7			152	75	62	20	10		998		RLW
SA	1151	E180 BKN 250 OVC	7			146	75	61	15	10		996		RLW
SA	1244	E160 BKN 250 OVC	7			139	77	62	16	09		994	/ 815 1072	ML
SA	1344	E160 BKN 250 BKN	8			135	77	62	16	07		993		ML
SA	1444	160 SCT E250 BKN	10			125	83	59	26	08		990	9	ML
SA	1552	160 SCT 250 SCT	12			122	80	56	26	08		989	/ 718 1072 83	AD
SA	1649	250 SCT	14			119	79	55	27	08		988	/ FEW BC	AD
SA	1750	200 SCT 300 SCT	15			119	74	58	28	09		986		AD
SA	1850	CLR	14			119	71	57	27	10		988	/ FEW CI / 502 1002	AD
SA	1949	CLR	10			125	69	59	27	05		990		AD
SA	2050	CLR	10			129	68	60	28	03		991	/ FEW CI	AD
SA	2152	CLR	8			125	67	60	05	03		990	/ 007 83	AD
SA	2253	CLR	8			122	66	60	06	05		989	/ LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

• U.S.GPO:1983-0-684-028/8010

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 11 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mbs)	TEMP °F	DEW PT °F	WIND DIRECTION (00–36)	WIND SPEED (Kts.)	WIND CHARACTER	ALTIMETER SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER INITIALS
	2	3	4a	4b	5	6	7	8	9	10	11	12	13	15
SA	0457	M19 OVC	7			112	68	61	12	03		986	/64	MS
SA	0548	M19 OVC	7			112	68	60	14	05		986	/SHL BINOVC.	MS
SA	0648	M19 OVC	9			115	68	60	12	06		987	/303 /5//	MS
SA	0751	M19 OVC	8			119	69	60	14	05		988		MS
SA	0853	M19 BKN	10			122	70	59	20	04		989	TOPS 023	MS
SP	0927	19SCT	10						11	06		989	19SCT V BKN	MS
SA	0951	19SCT	12			122	72	60	14	05		989	/105 1500 64	MS
SA	1050	CLR	13			119	73	60	17	11		988	/FEW SC	MS
SP	1153	CLR	12			112	74	60	17	08		986		MS
SA	1250	CLR	12			112	75	60	19	08		986	/608	ML
SA	1349	CLR	12			108	75	60	19	09		985		ML
SA	1449	CLR	10			102	74	61	19	09		985		ML
SA	1552	CLR	8			098	73	62	18	08		982	/FEW CI /715 1001 75	AD
SA	1649	CLR	8			095	72	61	18	08		981	/FEW CI	AD
SA	1749	CLR	8			095	71	61	18	05		981	/FEW CI	AD
SA	1848	CLR	8			098	70	61	30	06		982	/500	AD
SA	1950	CLR	8			102	67	61	15	05		983		AD
SA	2048	CLR	8			105	66	61	14	06		984	/SC E-S	AD
SP	2122	M13 BKN	8						17	05		985		AD
SA	2149	M13 OVC	8			105	67	61	14	04		984	/108 1611 75	AD
SP	2227	M15 OVC	8						18	04		984		AD
SA	2248	M19 OVC	8			105	68	60	13	06		984	/LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Ndddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP Sappp $6RRRt_R$ $7ww'W_1W_2$ $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

•U.S.GPO:1983-0-384-035/6010

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 12 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE (1)	TIME (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles: SURFACE (4)	VISIBILITY Miles: TOWER (4a)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. MSL (6)	TEMP °F (7)	DEW PT °F (8)	WIND: DIRECTION 00-36 (9)	WIND: SPEED Kts. (10)	WIND: CHARACTER (11)	ALTIMETER SETTING (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER'S INITIALS (14)
SA	0456	M2C OVC	13			106	66	58	15	06		985	/66	RMS
SA	0548	M2C OVC	13			105	67	58	14	05		984		RMS
SF	0640	E30 OVC	13						11	06		986		RMS
SA	0653	E32 OVC	12			112	66	58	13	06		986	/312 1511	RMS
SA	0749	23 SCT E32 OVC	15			112	67	59	14	09		950		RMS
SA	0850	23 SCT E32 OVC	15			115	69	57	14	08		987		RMS
SA	0950	25 SCT E35 OVC	15			119	70	56	14	08		988	/SCT V BKN/SCT 1511 16	RMS
													* TORS OFF	
SA	1047	25 SCT E35 OVC	15			115	71	57	11	10		987	/SCT V BKN	RMS
SA	1150	30 SCT E180 OVC	15			112	72	58	11	12		986		RMS
SA	1246	30 SCT E200 OVC	15			105	72	58	16	15 & 20		984	/812 15CT	RMS
SA	1355	E32 BKN 120 BKN 250 OVC	15			105	71	57	14	15		984	/FEW LWR CU WND	JKW
													11V18	
SA	1451	20 SCT E32 BKN 120 BKN 250 OVC	15			105	70	58	15	12		984		JKW
SA	1550	20 SCT 32 SCT 250 -BKN	15			105	69	59	15	10		984	802 1808 73	JKW
SA	1652	18 SCT E40 BKN	15			105	68	59	18	08		984		JKW
SA	1754	18 SCT E42 OVC	15			105	67	58	16	07		984		JKW
SA	1847	18 SCT E32 OVC	15			105	67	57	16	07		984	02 1511	JKW
SA	1953	19 SCT M35 OVC	15			112	67	58	14	06		986		JKW
SA	2048	19 SCT M35 OVC	15			112	67	58	13	05		986		JKW
SA	2150	19 SCT M35 OVC	15			112	67	59	14	06		986	/SCT V BKN/ 107 1511	JKW
													73	
SF	2224	M18 BKN 35 OVC	15						13	05		986	/CIG RGD	JKW
SA	2249	M18 BKN 35 OVC	12			115	67	59	11	04		987	/CIG RGD LAST	JKW

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following coded Basic observation.

FM12-VII: IIiii iRixhVV Ndddff 1snTTT 2snTdTdTd 3PoPoPoPo 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

*U.S.GPO:1983-0-684-028/60010

MF1-10A
15-831

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE SEP 13 1987

TO CONVERT LST TO GMT ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles: SURFACE	VISIBILITY Miles: TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. Mbs.	TEMP °F	DEW PT °F	WIND: DIRECTION (00=Calm)	WIND: SPEED Kts.	WIND: CHARACTER	ALTIMETER SET. TIME (hrs.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER INITIALS
		5	6a	6b	7	8	9	10	11	12	13	14	15a	15b
SA	0457	E 4 BTN	13			1256	66	56	23	04		990	/165	RMS
SA	0551	3 SCT E 4 OVC	13			1326	66	56	23	05		992	/RWY E SCT L BTN	RMS
SA	0650	3 SCT E 4 5 BTN	13			1356	67	54	23	04		993	Fourmi SC SE 1324 1500	RMS
SA	0751	2 OSCT E 4 5 BTN	12			1422	69	54	21	06		995	1 SCT CEILY BTN	RMS
SP	0915	M 2 C BTN 3 2 BTN 4 5 OVC	10						22	06		995	/RWY E	RMS
SA	0952	M 1 9 BTN 3 0 BTN	10			1466	69	54	22	08		996		RMS
SA	0951	E 2 0 BTN 3 5 OVC	10			1527	05	58	19	10		996	/317 1511 65	RMS
SA	1040	E 2 0 BTN 3 4 5 OVC	15			1566	69	54	21	10		999	/RWY N 5 BTN	RMS
													CEILY SCT	
—		~~2 OSCT E 4 5 BTN~~	~~15~~			~~1562~~	71	55	17	09		999		—
SP	1140	2 OSCT E 4 5 BTN	15						17	04		999		RMS
SA	1150	2 OSCT E 4 5 BTN	15			1522	71	55	18	12		998		RMS
SA	1246	E 4 5 BTN	15			1522	71	54	22	11		998	/ 5 C C 1 5 C C	RMS
SA	1354	4 5 SCT	15			1522	71	56	18	09		998	/FEW CWR SCU	RKW
SA	1453	4 5 SCT	15			1522	71	56	19	08		998	/FEW CWR CU	RKW
SA	1550	4 5 SCT	15			1522	70	56	20	07		998	/FEW CWR SC SE/ 60	RKW
													1500 72	
SA	1648	4 5 SCT	15			1522	67	56	20	07		998	/FEW CWR SC W-NW	RKW
SA	1755	CLR	15			1522	68	56	21	06		998	/FEW SC	RKW
SA	1851	CLR	14			1566	67	56	21	06		999	/ 305	RKW
SA	1949	CLR	12			1636	67	56	21	05		001		RKW
SA	2047	CLR	10			1666	66	55	00	00		002		RKW
SA	2150	CLR	8			1666	65	55	27	04		002	/ 110 72	RKW
SA	2252	CLR	8			1636	64	55	29	04		001	/LAST	RKW

A synoptic observation using WMO code FM12-VII, as described in FMH-2, to entered on line following related Basic observation.

FM12-VII: IIiii (R$_i$hVV Nddff 1s$_n$TTT 2s$_n$T$_d$T$_d$T$_d$ 3P$_o$P$_o$P$_o$P$_o$ 4PPPP Soppp 6RRRt$_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (11-68) WHICH MAY BE USED.

• U.S.G.P.O. 1983-0-384-008/8010

MF 1-10A
(5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 14 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles)	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mbs)	TEMP °F	DEW PT °F	WIND DIRECTION (From 00-36)	WIND SPEED (Knots)	GUST CHARACTER	ALTIM. SETTING (Inches)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER INITIALS
SA	1455	CLR	12		169	61	56	02	04		003	/ 60	RMS
SA	0550	CLR	10		173	61	56	00	00		004		RMS
SA	0646	CLR	10		176	62	56	04	07		005	/ 114	RMS
SA	0751	CLR	9		176	68	58	35	04		005		RMS
SA	0848	CLR	9		180	71	58	01	04		006		RMS
SA	0948	CLR	7		180	73	56	21	05		006	* /103 100 OC	RMS
												* FEW: CU	
SA	1047	CLR	7		180	73	54	29	10		004	FEW CU	RMS
SA	1149	CLR	7		176	75	59	21	10		005		RMS
SA	1250	CLR	8		169	76	59	18	09		003	/FEW SC W-NW/SLO 1500	ML
SA	1349	CLR	9		163	76	58	19	09		001		ML
SA	1449	CLR	8		159	77	57	20	10		000		ML
SA	1552	CLR	8		152	75	59	28	11		998	/ 717 77	AD
SA	1650	CLR	12		156	72	58	28	08		999		AD
SA	1749	CLR	12		156	70	59	27	09		999		AD
SA	1848	CLR	10		159	68	59	29	07		000	/307	AD
SA	1950	CLR	10		166	68	60	30	06		002		AD
SA	2049	CLR	8		169	67	60	31	04		003		AD
SA	2149	CLR	7		169	67	60	33	05		003	/110 77	AD
SA	2248	CLR	7		169	66	60	30	04		003	/LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following colored Basic observation.

FM12-VII: IIiii iR$_i$$_x$hVV Nddff 1s$_n$TTT 2s$_nT_dT_dT_d$ 3P$_o$P$_o$P$_o$P$_o$ 4PPPP 5appp 6RRRt$_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-88) WHICH MAY BE USED.

★U.S.GPO:1988-0-204-035/80210

MF1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 15 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY Miles: SURFACE	VISIBILITY Miles: TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mbs.)	TEMP °F	DEW PT °F	WIND: DIRECTION (10s)	WIND: SPEED Kts.	WIND: CHARACTER	ALTIMETER SET. (Inches) TENS	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
SA	0447	CLR	7			169	62	58	04	04		003	/ 61	JKW
SA	0552	CLR	5		FH	169	62	58	05	03		003		JKW
SA	0651	CLR	5		HK	173	65	58	09	03		004	/ 502	JKW
SA	0751	CLR	5		HK	173	69	58	27	03		004		JKW
SA	0851	CLR	5		HK	169	73	58	20	06		003		JKW
SA	0950	CLR	5		HK	169	75	60	18	06		003	/ 60 61	JKW
SA	1048	CLR	5		HK	163	75	61	20	08		001		JKW
SA	1152	CLR	5		HK	156	77	60	16	08		999		JKW
SA	1249	CLR	5		HK	149	80	61	17	09		997	/ 720	JKW
SA	1349	CLR	6		HK	142	83	62	23	07		995		ML
SA	1449	250-SCT	7			132	83	60	29	06		992		ML
SA	1550	250 SCT	7			132	79	59	27	11		992	/ 617 1002 84	AD
SA	1651	250 - BKN	5		HK	132	74	61	28	10		992		AD
SA	1749	18: SCT E250 BKN	5		HK	135	71	61	28	09		993		AD
SA	1851	18: SCT E 250 BKN	7			135	69	62	29	08		993	/ 103 1072	AD
SA	1949	E250 BKN	7			139	68	63	28	06		994		AD
SA	2048	E250 BKN	8			142	67	62	30	04		995		AD
SA	2151	E250 OVC	8			142	67	61	32	04		995	/ 107 1007 84	AD
SA	2249	E 250 BKN	8			142	67	61	30	04		995	/ CMST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, to entered on line following related Basic observation.

FM12-VII: IIiii iRixhVV NddH 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

☆U.S.GPO:1983-0-684-026/6016

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 16 1987

TO CONVERT LST TO GMT: ADD 8 hrs SUBTRACT ____ hrs

TYPE	TIME (GMT)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mb)	TEMP (°F)	DEW PT (°F)	WIND DIRECTION (00-36)	WIND SPEED (Kts)	WIND CHARACTER	ALTIMETER SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER INITIALS
	(1)	(2)	(3)	(4a)	(4b)	(5)	(6)	(7)	(8)	(9)	(10)	(12)	(13)	(15)
SA	0947	M14 OVC	7			129	67	60	14	04		991	/ CIG RGD / 64	JKW
SA	1052	M14 OVC	6		H	132	67	60	16	04		992	/ CIG RGD TOPS 021	JKW
SP	1210	M15 OVC	6		H				11	03		992	/ CIG RGD SML BNDVC	JKW
SA	0653	M17 BKN	6		H	135	68	57	09	05		993	/ TOPS 025 / 303 1502	JKW
SA	0748	M8 BKN	6		H	135	69	59	18	03		993	/ SKN V SCT	JKW
SP	0832	20 SCT 250 SCT	7						00	00		993		JKW
SA	0853	20 SCT 250 SCT	7			135	72	59	01	03		993	/ VSBY LWR SE	JKW
SA	0950	250 SCT	7			132	75	59	15	05		992	/ 803 1001 64	JKW
SA	1052	250 SCT	7			129	76	60	18	08		991		JKW
SA	1154	250 SCT	7			125	76	60	18	10		990		JKW
SA	1249	250 SCT	8			119	77	60	19	09		988	/ 714 1002	JKW
SA	1349	250 - SCT	11			115	79	60	21	08		987		ML
SA	1449	250 - SCT	10			108	80	54	19	06		985		ML
SA	1551	250 - SCT	7			105	76	61	28	08		984	/ 714 1001 81	AD
SA	1650	250 - SCT	7			108	73	61	28	08		985		AD
SA	1748	250 - SCT	7			112	70	61	30	09		986		AD
SA	1849	CLR	7			119	67	61	30	06		988	/ FEW CI / 314 1001	AD
SA	1948	CLR	7			129	67	61	30	05		991		AD
SP	2019	M17 BKN	7						31	05		992	/ BKN V SCT	AD
SA	2048	M17 BKN	7			132	66	60	30	03		992	/ BKN V SCT TOPS 021	AD
SA	2150	M16 OVC	7			135	67	61	02	03		993	/ THN SCTS 10K / 115 15// 81	AD
SA	0249	M15 OVC	7			132	67	60	35	03		992	/ LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iR_ihVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRRt_R 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

☆U.S.GPO:1983-0-684-008/8010

MP1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 16 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET AMT. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
00																								
01																								
02																								
03																								
04	47	29.870				10																		
05	52	29.880				10														10				
06	53	29.890				9	9	SC	M17											12				
07	48	29.870				6														9	3	.010		
08	53	29.890				5														6				
09	50	29.880				3	3	CI	250											3				
10	52	29.870				2														2	8	.010		
11	54	29.860				2														1				
12	49	29.840				2	2	CI	250											2				
13	49	29.830				2														2	7	.040		
14	49	29.810				2														1				
15	51	29.800				1	1	CI	250											1				
16	50	29.805				1														0	7	.040		
17	48	29.820				1														0				
18	49	29.840				0	0	CI	250											0				
19	45	29.865				0														0	3	.040		
20	48	29.880				1														0				
21	50	29.885				10	10	SC	M16											4				
22	49	29.880				10														10	1	.045		
23																				10				

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GROUND							DEW TEMP.		
	2308 TO 0344	X	0	0	X	67	64	X	X							X		
	0344	1	0	0	0	67	64											
	0948	2	0	0	0	76	67											
	1547	3	0	0	0	81	74											
	2147	4	0	0	0	76	66											
	2300	X	0	0	0	67	66	X	X							X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)		0740	1548	2149
ATT. THERM.				
OBSERV. BAR.				
TOTAL CORR.				
EVA. PRESS.		29.880	29.800	29.865
SEA LEVEL		29.890	29.810	29.890
BAR. CORR.		-.010	-.010	-.005

SUMMARY OF DAY [redacted] TO [redacted] (2300 TO 2300)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNOFF. TO (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Hrs.)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
81	64	0	0	0	13	5	1143					4			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
H	0520	0825			

10. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME. SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED AND DIRECTION M.P.H. OR FASTEST MILE M.P.H. AGGREGATE DIRECTION TIME

TIME CHECK - CLOCK AT 0500 P @ 1 Sec. / 1000 P @ 2 Sec. / 1600 P @ 2 Sec.

SP=

RS=

MP1-10B (10-83) SUPERSEDES MP1-10B (1-82) WHICH MAY BE USED. ☆U.S.GPO 1983-0-784-008/8088

MF1-10A
5-831

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)

SURFACE WEATHER OBSERVATIONS

DATE SEP 17 1987

TO CONVERT LST TO GMT ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles: SURFACE	VISIBILITY Miles: TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. MSL	TEMP	DEW PT	WIND: DIRECTION	WIND: SPEED Kts.	WIND: CHARACTER	ALTIMETER SETTING (In.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER INITIALS
			4i	4g										
SA	0447	M 9 OVC	7			132	67	58	18	03		992	/ CIG RGD / 66	ZKW
SA	0553	M 9 OVC	6		H	135	67	58	08	03		993	/ SML BINOVC OVHD	ZKW
													TOPS 025	
SA	0651	M20 OVC	6		H	142	68	58	07	04		995	/ CIG LWR SE-S / 312	ZKW
													1511	
SA	0752	M22 OVC	6		H	146	68	57	24	04		996	/ BINOVC	ZKW
SP	0832	23 SCT	6		H				24	04		996	/ SCT V BKN	ZKW
SA	0851	23 SCT	6		H	146	72	57	18	06		996		ZKW
SA	0950	CLR	6		H	146	74	56	24	04		996	/ 103 66	ZKW
SA	1054	CLR	7			142	74	58	18	10		995		ZKW
SA	1148	CLR	7			142	75	58	18	06		995		ZKW
SA	1249	CLR	7			139	74	58	19	09		994	/ 807	ZKW
SA	1349	CLR	7			132	76	58	19	09		992		MW
SA	1449	CLR	7			129	76	58	18	08		991		ML
SA	1551	CLR	6		H	125	76	58	28	07		990	/ 714 77	AD
SA	1649	CLR	5		HK	129	73	58	28	09		991		AD
SA	1752	CLR	5		HK	132	69	60	27	10		992	/ SC DSNT W-NW	AD
SA	1848	CLR	5		HK	135	68	60	29	08		993	/ 210	AD
SA	1952	CLR	6		HK	142	67	61	29	07		995		AD
SA	2050	CLR	5		HK	146	67	62	29	06		996		AD
SA	2150	CLR	4		HK	146	66	61	30	06		996	/ 110 77	AD
SA	2250	CLR	3		FH	146	66	61	30	06		996	/ LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRRt_R 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

*U.S.GPO:1983-0-884-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 17 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36		38	39	MIN.
00																								00
01																								01
02																								02
03																								03
04	47	29.880				10																		04
05	53	29.890				10																		05
06	51	29.910				10	10	SC	M20											10				06
07	52	29.920				10														10	3	.035		07
08	51	29.920				4														10				08
09	50	29.920				0														4				09
10	54	29.910				0														0	1	.010		10
11	48	29.910				0														0				11
12	49	29.900				0														0				12
13	49	29.880				0														0	8	.020		13
14	49	29.870				0														0				14
15	51	29.860				0														0				15
16	49	29.870				0														0	7	.040		16
17	52	29.880				0														0				17
18	48	29.870				0														0				18
19	52	29.910				0														0	2	.030		19
20	50	29.920				0														0				20
21	50	29.920				0														0				21
22	50	29.920				0														0	1	.030		22
23																				0				23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.		
41	2300	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58
	TO 0444	X	0	0	X	67	66	X							X		
	0444	1	0	0	0	67	66										
	0948	2	0	0	0	75	67										
	1547	3	0	0	0	77	73										
	2147	4	0	0	0	77	66										
	2300	X	0	0	0	66	66	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)	0949	1548	2149
ATT. THERM.			
OBSVD. BAR.			
TOTAL CORR.			
SEA LEVEL PRESS.	29.920	29.80	29.920
BAROGRAPH	29.925	29.80	29.920
BAR. CORR.	-.005	0	0

SUMMARY OF DAY [redacted] TO [redacted] (2300P To 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL (Unmelt.) (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Knots)	PEAK WIND DIR. (Tens)	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
77	66	0	0	0	14	5	1356					3			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88
H	0510	1033			
H	1530	CONT			
K	1630	2330			
F	2330	CONT			

90. REMARKS, NOTICES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED [illegible] ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P @1 Sec./1000P @1 Sec./1630P @1 Sec.

1/ LAST OF SEVERAL OCCURRENCES

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. * U.S.GPO 1983-0-784-005/6088

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 18 1987

TO CONVERT LST TO GMT ADD 8 hrs SUBTRACT ____ hrs

TYPE (1)	TIME (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles SURFACE (4)	VISIBILITY Miles TOWER (4a)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. Mbs. (6)	TEMP °F (7)	DEW PT °F (8)	WIND DIRECTION (9)	WIND SPEED Kts. (10)	WIND CHARACTER (11)	ALTIMETER SETTING Ins. (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER'S INITIALS (14)
SA	0448	-X M9 OVC	4		FH	149	64	60	30	07		997	/FH1 CIG RGD/ 62	BLW
SP	0527	-X M10 OVC	4		FH				28	05		998	/FH1 CIG RGD	BLW
SA	0555	-X M10 OVC	3		FH	156	65	60	31	04		999	/FH2 CIG RGD	BLW
SA	0653	-X M12 OVC	3		FH	163	65	59	27	03		001	/FH2 CIG RGD	BLW
/													TOPS 022/ 320 1611	/
SA	0751	-X M13 OVC	3		H	166	67	60	30	04		002	/H1 CIG RGD TOPS 020	BLW
SA	0847	-X M14 OVC	3		HK	166	69	60	34	04		002	/HK1 CIG RGD SML	BLW
/													BINOVC OVHD	/
SP	0858	-X M15 BKN	3		HK				31	04		002	/HK1	BLW
SP	0921	-X 17 SCT	3		HK				23	03		002	/HK1 VSBY SE-S2½	BLW
SA	0950	-X 17 SCT	4		HK	166	74	57	28	03		002	/HK1/ 002 1500 62	BLW
SA	1052	-X	4		HK	159	77	60	32	03		000	/HK1 WND LGT AND VRBL	BLW
SA	1151	CLR	5		HK	149	76	61	18	10		997	/WND 12V23	BLW
SA	1249	CLR	6		HK	142	82	60	27	08		995	/722	ML
SA	1349	CLR	7			139	80	58	28	12		994		ML
SA	1449	CLR	8			135	78	57	27	10		993		ML
SA	1550	CLR	8			132	75	57	27	10		992	/[illegible] W1612 83	RHS
SA	1649	CLR	8			132	72	59	27	09		992		RHS
SA	1752	CLR	9			132	69	60	28	09		992		RHS
SA	1846	CLR	8			139	67	61	29	08		994	/308	RHS
SA	1950	CLR	7			146	66	61	28	06		996		RHS
SA	2047	CLR	5		H	149	66	61	29	04		997		RHS
SA	2151	CLR	5		H	152	66	61	31	04		998	/112 83	RHS
SA	2246	CLR	5		H	149	65	61	31	05		997	/LAST	RHS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x h V V$ Nddff $1 s_n TTT$ $2 s_n T_d T_d T_d$ $3 P_o P_o P_o P_o$ 4PPPP 5appp $6 RRR t_R$ $7 ww W_1 W_2$ $8 N_h C_L C_M C_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

U.S. GPO-1983-0-684-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 18 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMID (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUBMISSION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUBMISSION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)	HR.
00																									00
01																									01
02																									02
03																									03
0448	29.930				10															10					04
0555	29.950				10															10					05
0653	29.970				10	2	F	—	10	ST	M12	10								10	3	.060			06
0751	29.980				10															10					07
0847	29.980				10															10					08
0950	29.975				2	1	H	—	1	SC	17	2								2	0	.005			09
1052	29.960				1															1					10
1151	29.930				0															0					11
1249	29.910				0															0					12
1349	29.900				0															0	7	.065			13
1449	29.890				0															0					14
1550	29.875				0															0					15
1648	29.880				0															0	6	.035			16
1752	29.880				0															0					17
1846	29.900				0															0	3	.025			18
1950	29.915				0															0					19
2047	29.930				0															0					20
2151	29.935				0															0	1	.035			21
2246	29.930				0															0					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GROUND						SOIL TEMP.			
	2300 TO 0445	X	0	2	X	66	62	X	X						X			
	0445	1	0	2	0	66	62											
	0948	2	0	0	0	74	64											
	1545	3	0	0	0	83	74											
	2145	4	0	0	0	75	65											
	2300	X	0	0	0	66	65	X	X						X			

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)		0949	1546	2246
ATT. THERM.				
CISTRN. CAL.				
TOTAL CORR.				
STA. PRESS.		29.975	29.875	29.935
BAROGRAPH		29.970	29.885	29.930
BAR. CORR.		+.005	-.010	+.005

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNREL TO (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Etc.)	PEAK WIND: DIRECTION	PEAK WIND: TIME (L.S.T.)	THICK. MEAS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.): TOP	FROZEN GROUND LAYER (Ins.): BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)	
83	62	0	0	0	15	W	1400					3			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
F	CONT	0721			
H	CONT	1325			
K	0831	1325			
H	2030	CONT			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE (MIN.)	PERCENT OF POSSIBLE SUNSHINE	CHARACTER OF SUNRISE	CHARACTER OF SUNSET
FASTEST OBSERVED 1-MINUTE WIND SPEED ____ OR FASTEST MILE ____		AVERAGE DIRECTION	TIME

TIME CHECK - CLOCK AT: 0500P @ 1 Sec. / 1000P ± Sec. / 1536P @ 1 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. *U.S.GPO 1983-0-784-008/6089

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 19 1987

TO CONVERT LST TO GMT: ADD 8 hrs SUBTRACT ____ hrs

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (MB)	TEMP (°F)	DEW PT (°F)	WIND DIRECTION (00=Calm)	WIND SPEED (Kts)	WIND CHARACTER	ALTIMETER SETTING (Inches)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER INITIALS
SA	0451	-X	2½		FH	146	62	59	00	00		996	/FH1 62	AD
SP	0529	-X	1½		FH				16	03		997	/FH2	AD
SA	0556	-X 10 SCT	1½		FH	152	62	59	00	00		998	/FH2	AD
SA	0650	-X	1½		FH	156	63	60	12	03		999	/FH3 VSBY NE-SE1 / 3,0	AD
SP	0722	-X 9 SCT	1½		FH				10	03		000	/FH3 VSBY W 1¾	AD
RS	0749	-X M8 SYC	2		FH	154	66	62	12	04		000	/FH2	AD
RS	0851	-X M10 SYC	2½		FH	163	68	61	14	05		001	/FH1 THN SPOTS 10VC TOPS 025	AD
SP	0913	-X 11- BKN	2½		H				18	03		002	/H1	AD
SP	0937	-X 13 SCT	3		H				00	00		001	/H1	AD
SA	0951	-X 15-SCT	3		H	163	71	62	30	05		001	/H1 / 107 / 500 62	AD
SA	1048	CLR	4		H	156	76	62	13	06		999		AD
SA	1152	CLR	5		H	146	77	62	18	06		996		AD
SA	1249	CLR	5		H	139	77	62	19	10		994	/724	AD
SA	1351	CLR	5		H	132	80	62	18	08		992		AMS
SA	1452	CLR	5		H	129	80	59	27	10		991		AMS
SA	1550	CLR	5		H	129	76	54	28	08		991	1610 83	AMS
SA	1648	CLR	6		H	132	73	60	28	10		992		AMS
SA	1748	CLR	6		H	135	70	61	29	10		993	/56 VV MTN	AMS
SA	1849	CLR	5		H	139	68	62	32	07		994	/ 308	AMS
SA	1948	CLR	5		H	146	67	63	31	04		996		AMS
SA	2048	CLR	4		H	149	66	62	30	06		997		AMS
SA	2149	CLR	4		FH	149	64	61	31	06		997	/112 93	AMS
SA	2248	CLR	4		FH	149	65	61	29	06		997	/LAST	AMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

*U.S.GPO:1983-0-684-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 19 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL O-PAQUE SKY COVER	FREEZING TENDENCY	NET 3-HR. PRESSURE CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)	HR.
00																									00
01																									01
02																									02
03																									03
04	51	27.920				1														1					04
05	50	27.935				2														2					05
06	50	29.950				3	3	F	—											3	3	.030			06
07	49	29.960				10														10					07
08	51	29.970				10														10					08
09	51	29.970				2	1	H	—	1	SC	15	2							1	/	.020			09
10	48	29.950				0														0					10
11	52	29.920				0														0					11
12	49	29.900				0														0	7	.070			12
13	51	29.850				0														0					13
14	52	29.870				0														0					14
15	50	29.870				0														0	6	.010			15
16	48	29.875				0														0					16
17	48	29.865				0														0					17
18	49	29.895				0														0	3	.045			18
19	54	29.915				0														0					19
20	49	29.930				0														0					20
21	49	29.930				0														0	1	.035			21
22	46	29.930				0														0					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GROUND						SOIL TEMP.			
	2300																	
	TO 0448	X	0	0	X	65	62	X	X						X			
	0448	1	0	0	0	66	62											
	0747	1	0	0	0	72	62											
	1546	1	0	0	0	83	71											
	2145	1	0	0	0	76	65											
	2300	X	0	0	0	66	65	X	X						X			

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)		0949	1547	2146
ATT. THERM.				
CORRIG. (Lat.)				
TOTAL CORR.				
STA. PRESS.		29.970	29.870	29.930
3HR. CHANGE		29.975	29.865	29.925
CAR. CORR.		-.005	-.005	+.005

SUMMARY OF DAY [redacted] TO [redacted] (2300 P To 2300 P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Kts.)	PEAK WIND DIR. (Tens)	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
83	62	0	0	0	13	W	1448					2			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
H	CONT	CONT			
F	CONT	0900			
F	2130	CONT			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500 P ① 1 Sec./ 1000 P ② 1 Sec./ 1531:0 P ③ 1 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ○ U.S. GPO: 1983-0-784-008/8089

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 20 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mbs)	TEMP °F	DEW PT °F	WIND DIRECTION (00=36)	WIND SPEED (Knots)	WIND CHARACTER	ALTIMETER SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
	2	3	4a	4b	5	6	7	8	9	10	11	12	13	15
SP	0450	-X	2		FH	139	63	61	30	03		994	/FH1 62	AD
SP	0532	-X	1½		FH				30	03		995	/FH2	AD
SA	0547	-X	1½		FH	142	62	60	28	03		995	/FH2	AD
SP	0624	-X 7 SCT	1¼		FH				00	00		996	/FH3	AD
SP	0644	-X 7 SCT	¾		F				00	00		996	/F3	AD
RS	0652	-X	½		F	146	63	60	00	00		996	/F4 TWR VSBY ¾	AD
													TOPS H 012-017 /305	
SP	RS 0726	W SX	⅜	⅛	F	~~149~~	~~64~~	61	32	03		997	/ VSBY ⅜	AD
	RS 0747	-X M6 OVC	½		F	149	64	61	31	03		997	/F4 THN SPOTS 10VC	AD
SP	0810	-X M7 OVC	1¼		F				28	04		998	/F2	AD
SP	0835	-X M8 BKN	1½		H				25	04		998	/H2	AD
SA	0849	-X M9 BKN	1½		H	149	70	62	00	00		997	/H2 TOPS 015	AD
SP	0900	-X 12 SCT	1¾		H				00	00		997	/H2	AD
SP	0923	-X	2½		H				00	00		997	/H1	AD
SA	0951	-X	2½		H	149	74	62	23	04		997	/H1 TWR VSBY 3/	AD
													002 62	
SP	1017	-X	3		H				22	04		996	/H1	AD
SA	1049	CLR	4		H	139	75	62	18	07		994		AD
SA	1149	CLR	4		H	129	76	62	16	09		991		AD
SA	1250	CLR	4		H	122	77	62	20	08		989	/FEW ALAS N/725 108	AD
SP	1355	CLR	4		H	112	80	63	19	06		986		RMS
SA	1451	120 SCT	4		H	108	81	62	30	10		985		RMS
SA	1552	CLR	4		H	105	76	61	31	10		984	/619 84	RMS
SA	1653	120 SCT	5		H	105	73	62	27	05		984		RMS
SA	1753	120 SCT	5		H	115	70	62	24	06		987		RMS
SA	1853	120 SCT	5		H	122	70	63	18	06		989	/319 1070	RMS
SP	1935	M11 BKN 120 BKN	5		H				15	04		992	/2T Incrg Rpdly	RMS
SA	1452	M11 OVC	5		H	135	68	63	17	07		993	/ THN SPOTS INCR C	RMS
SA	2054	M12 OVC	6		H	135	68	63	00	00		993		RMS
SA	2152	M12 OVC	5		H	132	69	62	01	04		992	/ ORG 1611 84	RMS
SA	2246	M12 OVC	5		H	125	68	62	05	04		990	/LAST	RMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

• U.S.GPO:1983-0-684-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 20 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Min.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								HR. 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23
01																								
02																								
03																								
04	50	29.900				1														1				
05	47	29.910				2														2				
06	52	29.920				4	4	F	—											4	3	.015		
07	47	29.930				10														10				
08	49	29.930				7														5				
09	57	29.925				1	1	1H	—											1	0	.005		
10	49	29.900				0														0				
11	49	29.870				0														0				
12	50	29.850				0	0	ACCAS	140											0	7	.075		
13	55	29.820				0														0				
14	51	29.810				1														1				
15	52	29.795				0														0	6	.055		
16	53	29.800				1														1				
17	52	29.830				1														1				
18	53	29.850				2	2	AC	120											2	3	.055		
19	52	29.885				10														10				
20	54	29.890				10														10				
21	52	29.875				10	10	ST	M12											10	0	.025		
22	46	29.860				10														10				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GROUND						SOIL TEMP.			
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	
	2300 MID. TO 0447	X	0	0	X	65	62	X	X						X			
	0447	1	0	0	0	66	62											
	0947	2	0	0	0	74	62											
	1545	3	0	0	0	84	73											
	2145	4	0	0	0	76	68											
	2300	X	0	0	0	69	68	X	X						X			

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)		0949	1546	2146
ATT. THERM.				
CORRN. (Ins.)				
TOTAL CORR.				
STA. PRESS.		29.925	29.795	29.855
BAROGRAPH		29.925	29.805	29.860
BAR. CORR.		0	-.010	-.005

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNREL. TO (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Esto.)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER TOP	FROZEN GROUND LAYER BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER MID-NIGHT TO MID-NIGHT	WATER EQUIV. (Ins.)	
64	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
84	62	0	0	0	12	5	1247					2			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88
F	cont	0830			
H	cont	0630			
H	0815	cont			

16. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED | (M.P.H.) OR FASTEST MILE (M.P.H.) | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0500P @ 1 Sec. / 1000 @ 1 Sec. / 1530P @ 1 Sec.

1-LAST of Several OCCURRENCES

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆U.S.GPO:1983-0-784-008/8089

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 21 1987

TO CONVERT LST TO GMT: ADD 8 hrs SUBTRACT ____ hrs

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Mi)		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mb)	TEMP (°F)	DEW PT (°F)	WIND DIR. (10's of °)	WIND SPEED (Kts)	WIND GUSTS (Kts)	ALTIM. SET. (Inches)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
			PREVAIL	TOWER										
	1	2	3	4a	4	5	6	7	8	9	10	11	12	13
SA	0447	-X M1 OVC	4		H	125	67	62	00	00		990	/H1 CIG RGD/ 65	BLW
SA	0553	-X M2 OVC	3		FH	125	67	63	36	03		990	/FH2 CIG RGD TCFS	BLW
													021	
SP	0632	-X 10 SCT E250 OVC	3		FH				08	04		990	/FH1 CIG LWR S-W	BLW
SP	0651	-X 10 SCT E250 OVC	4		FH	125	68	62	36	04		990	/FH1 VSBY LWR E/ 1607	BLW
													1609	
SA	0755	-X E250 OVC	4		HK	129	69	64	00	00		991	/HK1	BLW
SA	0848	-X E250 OVC	4		HK	132	71	61	06	03		992	/HK1	BLW
SA	0950	-X E250 OVC	3		HK	129	76	62	34	03		991	/HK1/ 003 1007 65	BLW
SA	1051	-X E250 BKN	3		HK	125	81	62	01	05		990	/HK1	BLW
SA	1151	E250 BKN	5		HK	112	87	58	30	05		986		BLW
SA	1249	E250 BKN	6		HK	105	88	63	16	08		984	/ 624 1002	BLW
SA	1349	E250 OVC	8			098	88	58	15	05		982	/VSBY 1412 W	AL
SA	1449	E250 OVC	7			098	85	56	18	07		982		AL
SA	1551	E250 OVC	4		HK	095	82	64	30	07		981	/BINOVC /710 1002 91	AD
SA	1652	250 SCT	4		HK	098	78	64	23	07		982		AD
SA	1748	250 - BKN	3		HK	108	76	63	17	05		985		AD
SP	1823	-X 250 -SCT	2½		HK				16	08		986	/HK1	AD
SA	1848	-X 250 -SCT	2½		HK	115	71	66	17	07		987	/HK1*/320 1002 *TWR VSBY 2	AD
SP	1949	-X 250 SCT	2½		HK	125	69	66	18	04		990	/HK1 TWR VSBY 4	AD
SP	2017	-X 250 -SCT	3		HK				22	04		990	/HK1	AD
SA	2048	-X 250 -SCT	3		HK	129	69	65	14	05		991	/HK1	AD
SA	2151	-X E250 OVC	3		HK	129	69	65	00	00		991	/HK1 /114 1007 91	AD
SP	2230	-X 9 SCT E250 OVC	4		HK				13	05		991	/HK1	AD
SA	2248	-X 9 SCT E250 OVC	4		HK	132	68	65	14	04		992	/HK1 LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iR$_i$$_x$hVV Nddff 1s$_n$TTT 2s$_nT_dT_dT_d$ 3P$_o$P$_o$P$_o$P$_o$ 4PPPP 5appp 6RRRt$_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

☆U.S.GPO:1983-0-384-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 21 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	PRESSURE CHANGE (Ins.)	SUNSHINE (Tenths)	PRECIPITATION (Ins.)
00																								
01																								
02																								
03																								
04 47	29.860				10															10				
05 53	29.860				10															10				
06 51	29.860				10	1	F	-	1	ST	10	2	10	CS	E250	10				8	1	.020		
07 55	29.870				10															7				
08 48	29.880				10															7				
09 50	29.870				10	1	H	-	10	CS	E250	10								8	0	.010		
10 51	29.860				8															6				
11 51	29.860				7															4				
12 49	29.800				7	1	CI	E250												4	6	.070		
13 49	29.780				10															7				
14 49	29.780				10															7				
15 57	29.770				10	10	CI	E250												9	7	.030		
16 52	29.780				4															3				
17 48	29.805				7															3				
18 48	29.830				4	1	H	-	4	CI	250	4								2	3	.060		
19 49	29.850				2															2				
20 48	29.865				4															2				
21 51	29.870				10	1	H	-	10	CS	E250	10								7	1	.040		
22 48	29.850				10															8				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						DEW TEMP.			
	2300 TO 0444	X	0	0	X	68	65	X	X						X			
	0444	1	0	0	0	69	65											
	0948	2	0	0	0	76	67											
	1548	3	0	0	0	91	76											
	2148	4	0	0	0	82	69											
	2300	X	0	0	0	69	68	X	X						X			

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)		0949	1549	2149
ATT. THERM.				
OBSERVE. CORR.				
TOTAL CORR.				
SYS. PRESS.		29.870	29.770	29.870
BAROGRAPH		29.880	29.780	29.875
BAR. CORR.		-.010	-.010	-.005

SUMMARY OF DAY [redacted] TO [redacted] (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Kts.)	PEAK WIND: DIRECTION	PEAK WIND: TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.): TOP	FROZEN GROUND LAYER (Ins.): BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: SUNSET TO MIDNIGHT	GAGE EQUIV. (Ins.)	
91	65	0	0	0	12	5	1515					9			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
H	CONT.	1315			
F	0515	0725			
K	0725	1315			
H	1530	CONT			
K	1530	CONT			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. | OR FASTEST MILE M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0500P @1 Sec./1000P @1 Sec./1600P @2 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. * U.S. GPO 1983-0-784-008/8088

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 22 1987

TO CONVERT LST TO GMT: ADD 8 hrs SUBTRACT ____ hrs

TYPE	TIME (LST)	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles: SURFACE	VISIBILITY Miles: TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. Mb	TEMP °F	DEW PT °F	WIND: DIRECTION 00=N	WIND: SPEED Knots	WIND: GUSTS	ALTIMETER SETTING Inches	REMARKS AND SUPPLEMENTAL CODED DATA	STATION IDENTIFIER
SA	0447	-X M8 OVC	2½		FH	149	68	65	04	03		997	/FH2 CIG RGD SML	ZLW
													BINOVC OVHD VSBY SE3	
													65	
SP	0508	-X 8 SCT E160 BKN	2½		FH				35	05		996	/FH2 VSBY W-NW2	ZLW
SP	0537	-X E160 BKN 250 BKN	2		FH				03	04		998	/FH2 VSBY W-NW1½	ZLW
SA	0551	-X E160 BKN 250 BKN	2		FH	152	66	65	04	04		998	/FH2 VSBY S-SW1½	ZLW
SP	0600	-X E160 BKN 250 BKN	1½		FH				35	06		998	/FH2 VSBY E-S1¼	ZLW
SA	0653	-X 160 ~~BKN~~ E250 BKN	1½		H	152	70	63	34	05		998	/H2 VSBY E-S1¼ / 11	ZLW
		*SCT											1032	
SP	0703	-X 160 SCT E250 BKN	1¾		H				32	06		998	/H1 VSBY W2 E-S1¼	ZLW
SP	0716	-X 160 SCT 250 SCT	2		HK				02	04		998	/HK1 VSBY W2½	ZLW
													TOFS OF HK OLS	
SP	0732	-X 160 SCT 250 SCT	2½		HK				02	04		999	/HK1 VSBY E2	ZLW
SA	0754	-X 160 SCT 250 SCT	2½		HK	152	76	61	36	05		998	/HK1 TWR VSBY 4	ZLW
SP	0811	-X 160 SCT 250 SCT	3		HK				31	06		998	/HK1	ZLW
SA	0852	-X E160 BKN	4		HK	152	79	59	02	06		998	/HK1	ZLW
SA	0950	160 SCT 250 -BKN	5		HK	149	86	57	36	06		997	803 1072 65	ZLW
SA	1055	160 SCT 250 SCT	10			146	93	54	04	06		996		ZLW
SP	1148	160 SCT	8			146	90	56	20	11		996		ZLW
SA	1249	150 SCT 250 SCT	10			142	89	57	17	14		995	/FEW CU CONT E-SE	ZLW
													807 1072	
SA	1344	160 SCT E250 BKN	14			135	86	59	19	10		993		ML
SA	1449	160 SCT 250-BKN	12			132	86	57	28	06		992		ML
SP	1552	160 SCT 250 SCT	5		HK	135	81	60	27	13		993	/FEW ACAS/SCT 1082 93	AD
SP	1652	120 SCT 150 SCT 250 SCT	6		HK	142	78	62	27	11		995	/FEW ACAS MPT CU NW	AD
SP	1749	150 SCT 250 SCT	6		HK	149	75	63	33	07		997	/CB DSNT N-NE STNRY	AD
SA	1851	E150 OVC	7			159	73	65	16	08		000	/8 NOVC/322/071/	AD
													* OCNL LTGCG DSNT E	
SP	1923	E120 OVC	7		T				14	08		001	/TB18 MOVG SW OCNL LTGCG	AD
													OVHD-NW	
SA	1947	E120 OVC	7		T	163	72	67	12	08		001	/TB18 T SNOW MOVG SW	AD
													OCNL LTG ICCG OVHD-SNOW	
SP	2016	E120 BCN 250 OVC	7						22	03		002	/TE10 MOVD SW	AD
SP	2034	E120 BKN 250 OVC	7						32	12		001	/WSHFT 20 TE10 MOVD SW	AD
SA	2044	E140 BKN 250 OVC	7			163	73	65	36	04		001	/TE10 MOVD SW	AD
SA	2152	140 SCT 250-OVC	7			166	72	65	00	00		002	/30S 1077 93	AD
SA	2249	110 SCT 250-OVC	7			163	72	64	31	04		001	/LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII Ilix iRixhVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

☆U.S.GPO:1983-0-684-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 22 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMID. (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET AMT. CHANGE (Ins.)	SUNSHINE (Min.)	PRECIPITATION (Ins.)	HR.
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34		35	36				
00																									00
01																									01
02																									02
03																									03
04	47	29.930				10														10					04
05	51	29.940				8														6					05
06	53	29.940				8	2	H	—	1	AC	160	3	5	CI	E250	8			5	1	.045			06
07	54	29.940				4														3					07
08	52	29.940				7														7					08
09	50	29.930				7	1	AC	160	6	CI	250	7							3	8	.010			09
10	55	29.920				3														3					10
11	48	29.920				2														2					11
12	44	29.910				4	0	CU	80	2	AC	150	2	2	CI	250	4			4	8	.020			12
13	49	29.885				6														5					13
14	49	29.880				6														3					14
15	52	29.870				3	0	ACAS	120	2	AC	160	2	1	CI	250	3			2	5	.020			15
16	52	29.910				4														4					16
17	49	29.930				4														3					17
18	57	29.955				10	10	AC	E150											10	3	.065			18
19	47	29.970				10														10					19
20	49	29.965				10														10					20
21	52	29.980				10	1	AC	140	9	CS	250	10							5	3	.025			21
22	49	29.970				10														5					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF GRND.	SOIL TEMP.
	2300 TO 0344	X	0	0	X	68	65	X	X
	2344	1	0	0	0	69	65		
	0748	2	0	0	0	86	66		
	1548	3	0	0	0	93	81		
	2148	4	0	0	0	81	72		
	2300	X	0	0	0	72	72	X	X

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)		0749	1549	2150
ATT. THERM.				
OBSERVE. CORR.				
TOTAL CORR.				
SYS. PRESS.		29.930	29.870	29.980
BAROGRAPH		29.940	29.895	29.980
BAR. CORR.		-.010	-.005	0

SUMMARY OF DAY [redacted] TO [redacted] (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Kts.)	PEAK WIND: DIRECTION	PEAK WIND: TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FASTEST GROUND LAYER (Ins.): TOP	FASTEST GROUND LAYER (Ins.): BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
93	65	0	0	0	20	5	1255					5			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED MINUTE WIND SPEED ____ OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P ± 0 Sec./ 1000P ± 0 Sec./ 1600P ± 0 Sec.

SP=

RS=

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
92	93	94	95	97	98
H	CONT	1030			
K	CONT	UNKN			
F	CONT	0635			
K	0710	1030			
H	1530	1820			
K	1530	1820			
T	1918	2010			

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆ U.S. GPO 1983-0-784-006/6089

MF 1-10A
5-831

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 23 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles: SURFACE (4)	VISIBILITY Miles: TOWER (4a)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. MSL (6)	TEMP °F (7)	DEW PT °F (8)	WIND: DIRECTION 00-36 (9)	WIND: SPEED Knots (10)	WIND: GUSHER (11)	ALTIMETER SETTING Inches (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER'S INITIALS (13a)
SA	0347	00 SCT E250 BKN	4		H	163	70	65	00	00		001	/ 67	RKW
SA	0552	120 SCT E140 BKN 250 BKN	4		H	163	70	66	36	04		001	/ RWU NE	RKW
SA	0621	E100 BKN 140 BKN 250 BKN	4		RW-H	163	73	65	32	04		001	/ CB N MOVG N-N RB44	RKW
													/ 10300 1963	
SP	0752	-X E100 BKN 140 OVC	3		HK	169	72	66	29	10		003	/ HK1 CB RWU W-N	RKW
													MOVG W RE11 VSBY SW3	
													WND 25V33	
SP	0823	-X E100 BKN 140 OVC	2½		HK				29	10		004	/ HK1 CB RWU W-N MOVG	RKW
													W VSBY SE3	
SA	0849	-X E90 BKN 140 OVC	2½		RW-HK	173	73	66	27	06		004	/ RHK1 CB W-N MOVG W	RKW
													RB39 VSBY SE4	
SA	0950	-X 60 SCT E100 BKN 140 BKN	2½		RW-HK	173	72	66	28	07		004	/ RHK1 CB DSNT E MOVG	RKW
													SW VSBY SE3 / 11002	
													1970 67	
SP	1015	-X 60 SCT 100 SCT E140 BKN	3		HK				27	06		004	/ HK1 CB DSNT E MOVG	RKW
													SW RWU S-W-N	
SA	1051	-X 60 SCT 100 SCT E140 BKN	4		HK	173	77	64	27	06		004	/ HK1 LINE CB DSNT	RKW
													NE-E MOVG SW RE10 RWU	
													S-W MTN TOPS VSBL N-NE	
SA	1152	60 SCT 100 SCT 160 SCT	6		HK	166	85	64	26	10		002	/ LINE CB DSNT NE-E	RKW
													MOVG SW DVLPG RPDLY	
SA	1253	60 SCT 100 SCT 160 SCT	15			159	88	59	26	09		000	/ LINE CB NE-SE MOVG	RKW
													SW TCU N RWU E	
													/ 71400 1960	
SA	1359	60 SCT 120 SCT 200 SCT	15			156	89	58	25	04		999	/ CB N-SE MOVG SW	MC
													RWU SE	
SA	1449	60 SCT E120 BKN 200 BKN	12			156	78	65	18	08		999	/ CB SE ACCAS SW-NW	MC
SA	1554	60 SCT 120 SCT E250 BKN	7			149	82	62	27	06		997	/ HAZY CANF / BIGGS	RMS
			7										1363 89	—
SA	1654	120 SCT E250 BKN	6		H	149	79	65	31	12		997	/ CB NE	RMS
SA	1752	120 SCT E250 BKN	6		H	152	73	65	29	12		998		RMS
SA	1849	60 SCT 120 SCT 250 SCT	7			156	72	64	27	06		999	/ CB N W THROUGH E-S-E	RMS
													/ 347 1963	—
SA	1949	60 SCT E120 BKN 250 BKN				163	71	63	29	09		001		RMS
SA	2046	120 SCT E250 BKN	8		RW-	156	71	64	26	06		999	/ RW- VRY LGT RB25	RMS
SA	2149	120 SCT	9			163	70	64	36	03		001	/ RE0455 / 3078 1030 89	RMS
SA	2246	CLR	9			159	69	63	26	03		000	/ FEW AC CI LAST	RMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3PoPoPoPo 4PPPP Sappp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

*U.S.GPO:1985-0-494-009/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 23 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ___ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMID. (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Min.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								HR. 00
01																								01
02																								02
03																								03
04	47	29.970			8															6				04
05	52	29.970			9															8				05
06	51	29.970			9	0	CB	80	7	AC	E100	7	2	AC	140	9	0	CI	250	9	1	.010		T	06
07	52	29.990			10															10				T	07
08	49	30.000			10															10				T	08
09	50	30.000			9	1	R	-	0	CB	60	1	6	AC	E100	7	2	AC	140	9	1	.030		.02	09
10	51	30.000			7															7				T	10
11	52	29.980			4															4					11
12	53	29.960			4	2	CB	60	1	AC	100	3	1	AC	160	4				4	7	.040			12
13	54	29.950			4															4					13
14	54	29.950			6															6					14
15	54	29.930			7	1	CB	60	2	AC	120	3	4	CI	E200	7				5	8	.02			15
16	54	29.925			9															7					16
17	53	29.940			7															5					17
18	49	29.950			5	2	CB	60	1	AC	120	3	2	CI	250	5				4	3	.02			18
19	49	29.970			8															7					19
20	46	29.950			9															7				T	20
21	49	29.970			1	1	AC	120												1	3	.02			21
22	46	29.955			0															0					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GROUND							SOIL TEMP.			
41	42		44	45	46	47	48	49	50	51	52	53	54	55	56		57	58	
	2300 TO 0444	X	0	0	X	72	67	X	X							X			
	0444	1	0	0	0	72	67												
	0948	2	.02	0	0	73	69												
	1545	3	T	0	0	89	72												
	2145	4	T	0	0	83	70												
	2300	X	0	0	0	71	69	X	X							X			

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)	0949	1545	2145
ATT. THERM.			
CORRN.			
TOTAL CORR.			
EVA. PRESS.	30.000	29.937	29.970
BAROGRAPH	30.000	29.945	29.970
BAR. CORR.	0	-.015	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Mph)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
89	67	.02	0	0	15	NW	1652					7			

REMARKS, DRYER AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ___ SUNSET

TOTAL SUNSHINE (MIN.)	PERCENT OF POSSIBLE SUNSHINE	CHARACTER OF SUNRISE	CHARACTER OF SUNSET
FASTEST OBSERVED 1-MINUTE WIND SPEED AND DIR. M.P.H.	OR FASTEST MILE M.P.H.	ASSOCIATED DIRECTION	TIME

TIME CHECK - CLOCK AT: 0500P ±0 Sec./1000P ±0 Sec./1530P ±0 Sec.

4 hail of several occurrences

SP=

RS=

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	86	87
H	CONT	1220			
RW-	0644	0711			
K	0730	1220			
RW-	0839	1010			
H	1605	1630			
RW-	2025	2055			

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ★U.S. GPO 1983-0-784-008/6089

MF 1-10A (5-63)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 24 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles: SURFACE	VISIBILITY Miles: TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS.	TEMP °F	DEW PT °F	WIND: DIRECTION (00-36)	WIND: SPEED Kts.	WIND: CHARACTER	ALTIMETER SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
SA	0447	-X M8 BKN	3		FH	159	66	64	36	03		000	/ FH2 BRKS OVHD-W	ZKW
													CIG RGD VSBY W-N 2½	
													/ 65 2000 2	
SP	0521	-X 7 SCT E120 BKN	3		FH				07	03		000	/ FH1 CIG LWR SE-S	ZKW
													VSBY W-N 2½	
SA	0550	-X 7 SCT E120 BKN	3		FH	159	67	65	06	03		000	/ FH1 VSBY S-W 2½	ZKW
SP	0607	-X M8 BKN 120 OVC	3		FH				07	03		000	/ FH1 BRKS OVHD-W	ZKW
													CIG-RGD VSBY SE 4	
													SW-NW 2½	
SA	0651	-X M8 BKN 120 OVC	4		FH	163	69	65	10	061		001	/ FH1 BRKS OVHD CIG	ZKW
													RGD / 307 167 /	
SA	0752	M9 BKN	4		HK	163	71	65	16	05		001	/ CIG RGD	ZKW
SP	0804	M10 BKN	4		HK				11	04		001	/ CIG RGD	ZKW
SP	0832	12 SCT E250 BKN	5		HK				08	04		001		ZKW
SA	0853	11 SCT 250 SCT	5		HK	163	74	65	18	04		001		ZKW
SA	0950	CLR	6		HK	163	77	66	19	07		001	/ 400 65	ZKW
SA	1051	CLR	6		HK	159	76	65	19	10		000		ZKW
SA	1149	CLR	7			159	76	64	18	12		000	/ CU OVHD CIG OCNT N-E	ZKW
SA	1249	CLR	8			152	76	65	18	10		998	/ SIG	ML
SA	1349	CLR	8			146	76	65	19	12		996	/ FEW CU N	ML
SA	1449	CLR	8			142	73	65	19	10		995	/ ST SE-S CU N	ML
SA	1550	CLR	8			139	72	64	15	09		995	/ 614 77	RMS
SA	1646	CLR	7			134	74	64	14	04		994		RMS
SA	1746	CLR	7			142	71	62	28	08		995		RMS
SA	1853	CLR	9			146	69	62	30	06		996	/ 307	RMS
SA	1950	CLR	9			149	68	62	29	04		997		RMS
SA	2052	CLR	8			152	68	63	03	04		998		RMS
SA	2151	11 SCT	8			156	68	63	14	04		999	/ 108 1500 77	RMS
SP	2237	E11 BKN	8						19	07		999		RMS
SA	2254	E11 OVC	8			156	68	63	18	06		999	/ LAST	RMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following colored Basic observation.

FM12-VII: IIiii iR$_i$x$_s$hVV Nddff 1s$_n$TTT 2s$_n$T$_d$T$_d$T$_d$ 3P$_o$P$_o$P$_o$P$_o$ 4PPPP 5appp 6RRRt$_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (11-62) WHICH MAY BE USED.

• U.S.GPO 1983-0-664-008/8010

MF1-108 (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 24 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUBMISSION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUBMISSION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								HR. 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
01																								
02																								
03																								
04	47 29.960				8															8				
05	50 29.960				9															9				
06	51 29.970				10	1	F	-	8	ST	M8	8	2	AC	120	10				10	3	.020		
07	52 29.970				9															8				
08	53 29.970				4															3				
09	50 29.970				0															0	4	.000		
10	51 29.960				0															0				
11	49 29.960				0															0				
12	49 29.940				0															0	8	.020		
13	49 29.930				0															0				
14	49 29.910				0															0				
15	50 29.900				0															0	6	.040		
16	46 29.900				0															0				
17	46 29.916				0															0				
18	53 29.920				0															0	3	.020		
19	50 29.930				0															0				
20	52 29.940				0															0				
21	51 29.945				2	2	SC	11												2	1	.025		
22	49 29.945				10															10				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.		
41	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	
	2300 TO 0444	X	0	0	X	69	65	X	X					X			
	0444	1	0	0	0	71	65										
	0948	2	0	0	0	77	66										
	1545	3	0	0	0	77	71										
	2145	4	0	0	0	74	67										
	2300	X	0	0	0	68	68	X	X					X			

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59	0949	1546	2146
ATT. THERM. 60			
INSTR. CORR. 61			
TOTAL CORR. 62			
STA. PRESS. 63	29.770	29.905	29.945
MAX/MIN 64	29.895	29.905	29.940
BAR. CORR. 65	-.005	-.005	-.005

SUMMARY OF DAY ____ TO ____ (2300 P To 2300 P)

24-HR. MAX. TEMP. (°F) 66	24-HR. MIN. TEMP. (°F) 67	24-HR. PRECIP. WATER EQUIV. (Ins.) 68	24-HR. SNOWFALL UNREL TO (Ins.) 69	SNOW DEPTH (Ins.) 70	PEAK WIND SPEED (Kts.) 71	PEAK WIND DIRECTION 72	PEAK WIND TIME (L.S.T.) 73	THICKNESS OF ICE ON WATER (Ins.) 74	FROZEN GROUND LAYER (Ins.) TOP 75	FROZEN GROUND LAYER (Ins.) BASE 76	RIVER GAGE 77	SKY COVER SUNRISE TO SUNSET 78	SKY COVER SUNSET TO SUNRISE 79	WATER EQUIV. (Ins.) 80	81
77	65	0	0	0	19	5	1357					2			

WEATHER & OBSTRUCTIONS TO VISION

TYPE 82	BEGAN 83	ENDED 84	TYPE 85	BEGAN 87	ENDED 88
F	CONT	0732			
H	CONT	1125			
K	0732	1125			

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

PASTURY OBSERVED ____ M.P.H. OR PASTURY ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500 P ±0 Sec. / 1000 P ±0 Sec. / 1530 P ±0 Sec.

SP=

RS=

MF1-108 (10-83) SUPERSEDES MF1-108 (1-82) WHICH MAY BE USED. ☆U.S.GPO:1983-0-784-008/8088

MF1-10A
15-831

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

9/25

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 2 5 1987

TO CONVERT LST TO GMT: ADD 8 hrs SUBTRACT ___ hrs

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mb)	TEMP °F	DEW PT °F	WIND DIRECTION (00-36)	WIND SPEED (Kts.)	WIND CHARACTER (GUSTS)	ALTIMETER SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER INITIALS
SA	0452	M 8 OVC	4		H	152	67	62	15	07		998	/ 66	AD
SP	0535	M 10 OVC	4		H		~~66~~	~~62~~	14	07		995		AC
SA	0548	M 10 OVC	4		H	156	67	62	13	05		998	/TOPS 019	AD
SP	0652	M 11 OVC	4		H	156	67	61	35	03		999	/107 1511	AD
SA	0748	M 11 OVC	4		H	159	68	62	15	05		000	/TOPS 019	AD
SA	0851	M 12 OVC	5		H	163	68	62	18	06		001		AD
SA	0952	M 13 OVC	6		H	163	70	61	16	08		001	*/107 1511 66* THW SPOTTY	AD
SP	1023	15 SCT	6		H				17	08		001	/SCT V BKN	AD
SA	1048	CLR	7			163	72	61	18	06		001	/FEW SC SE-S	AD
SA	1148	CLR	7			159	74	61	18	05		999		AD
SA	1249	CLR	8			147	73	60	17	08		997	/8:5	AD
SA	1346	CLR	10			142	74	60	18	08		995		ML
SA	1446	CLR	10			135	76	61	17	08		993		ML
SA	1548	CLR	7			129	76	62	18	07		991	/HAZY VSBY LWR W/719 77	RMS
SA	1654	CLR	8			124	73	62	28	09		991		RMS
SA	1747	CLR	6		H	124	70	63	29	10		991		RMS
SA	1844	CLR	6		H	132	68	62	29	08		992	/302	RMS
SA	1944	CLR	7			135	67	62	28	07		993		RMS
SA	2050	15 - BKN	7			139	67	62	32	04		994		RMS
SP	2101	M15 BKN	7			~~139~~	~~67~~	~~62~~	31	04		994	/BKN V OVC	RMS
SA	2150	M15 OVC	7			139	67	62	29	06		994	/108 1611 77	RMS
SP	2227	M12 OVC	7						32	03		994		RMS
SA	2246	M13 OVC	7			139	68	62	36	04		994	/LAST	RMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following colored Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRRt_R 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

*U.S.GPO:1983-0-384-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: 87 SEP 25 1987 9hST — To convert LST to GMT ADD 8 hrs. SUBTRACT ___ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Tenths)	PRECIPITATION (Ins.)	
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
00																									00
01																									01
02																									02
03																									03
04 52	27.995				10															10					04
05 48	29.945				10															10					05
06 50	29.950				10	10	SC	M11												10	1	.020			06
07 48	29.960				10															10					07
08 51	29.970				10															10					08
09 52	29.970				10	10	SC	M13												10	1	.020			09
10 48	29.965				0															0					10
11 48	29.950				0															0					11
12 49	29.925				0															0	8	.045			12
13 49	29.910				0															0					13
14 49	29.890				0															0					14
15 48	29.870				0															0	7	.055			15
16 54	29.970				0															0					16
17 47	29.970				0															0					17
18 49	29.875				0															0	3	.005			18
19 49	29.590				0															0					19
20 50	29.900				8															2					20
21 50	29.900				10	10	ST	M15												10	1	.025			21
22 46	29.900				10															10					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.			STATION PRESSURE COMPUTATIONS			
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58				
	2300 TO 0449	X	0	0	X	69	66	X	X						X			TIME (L.S.T.) 59		0950	1546	2146
	0449	1	0	0	0	69	66											ATT. THERM. 60				
	0948	2	0	0	0	70	66											OBSERVE. BAR. 61				
	1545	3	0	0	0	77	70											TOTAL CORR. 62				
	2145	4	0	0	0	76	67											STA. PRESS. 63		29.975	29.870	29.900
	2300	X	0	0	0	68	67	X	X						X			BAROGRAPH 64		29.975	29.880	29.890
																		CAL. CORR. 65		-.005	-.010	+.010

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNTIL TO (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Etc.)	PEAK WIND: DIRECTION	PEAK WIND: TIME (L.S.T.)	THICK. FREE OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.): TOP	FROZEN GROUND LAYER (Ins.): BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
77	66	0	0	0	13	W	1613					4			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	86	87
H	CONT	1040			
H	1720	1930			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ___ SUNSET ___

TOTAL SUNSHINE ___ (Mins.) | PERCENT OF POSSIBLE SUNSHINE ___ | CHARACTER OF SUNSHINE ___ | CHARACTER OF SUNSET ___

FASTEST OBSERVED 1-MINUTE WIND SPEED ___ M.P.H. OR FASTEST HR. ___ M.P.H. | ASSOCIATED DIRECTION ___ | TIME ___

TIME CHECK - CLOCK AT: 0530P @1 Sec./ 1000P @1 Sec./ 1536P @1 Sec.

‖ LAST OF SEVERAL OCCURRENCES

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆U.S.GPO:1983-0-784-008/6088

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STAT ON: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 26 1987

TO CONVERT LST TO GMT: ADD 8 HRS SUBTRACT ____ HRS

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mb)	TEMP °F	DEW PT °F	WIND DIRECTION (00-36)	WIND SPEED (Kts.)	C-A-G METER	ALTIMETER SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER INITIALS
1	2	3	4a	4b	5	6	7	8	9	10	11	12	13	14
SA	0451	M 2 [illegible] OVC	7			132	67	60	15	05		992	167	AD
SA	0548	M 17 OVC	7			132	67	60	14	06		992	TOPS 027	AD
SA	0651	M 16 OVC	7			135	68	60	14	07		993	/302 15//	AD
SA	0747	M 16 OVC	7			137	68	59	14	06		994	/TOPS 02-6	AD
SA	0848	M 16 OVC	6		H	142	68	60	16	05		995		AD
SA	0950	M 19 OVC	6		H	142	71	60	12	05		995	/THN SPOTS 10VC/107 15// 67	AD
SA	1047	M 20 OVC	6		H	142	71	61	19	06		995	/FEW B.NOVC	AD
L	1127	M 23 BKN	7						17	09		994		AD
SP	1140	23 SCT	8						20	08		993	/SCT V BKN	AD
SA	1148	23 SCT	8			135	73	61	19	08		993		AD
SA	1249	23 SCT	8			132	74	61	20	07		992	/810 1500	AD
SA	1354	CLR	10			125	74	60	20	11		990	/FEW SC SE	RKW
SA	1451	CLR	10			122	74	60	18	10		989	/WND 13V24	RKW
SA	1550	CLR	10			122	71	60	19	08		989	/610 74	RKW
SA	1652	CLR	12			122	69	60	19	08		989	/FEW SC	RKW
SA	1755	CLR	12			125	68	60	18	08		990	/SC SW-NW CI DNT W	RKW
SA	1849	CLR	10			129	67	60	16	06		991	/SC SW-NW/ 307 1500	RKW
SA	1953	15 SCT	8			132	66	60	16	06		992		RKW
SA	2048	15 SCT	8			139	66	60	14	05		994		RKW
SA	2150	15 SCT	8			142	65	60	15	03		995	/SCT V BKN/ 314 1500	RKW
													74	
SP	2157	M15 BKN	8						12	03		995	/CIG RGD TOPS 018	RKW
SP	2232	11 SCT M14 OVC	8						15	04		995	/SCT V BKN	RKW
SA	2251	11 SCT M14 OVC	8			142	66	60	14	04		995	/CIG RGD LAST	RKW

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

• U.S. GPO: 1983-0-684-008/6010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 26 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Tenths)	PRECIPITATION (Ins.)	HR.
00																									00
01																									01
02																									02
03																									03
04	57	27.850			10															10					04
05	48	29.530			10															10					05
06	51	29.890			10	10	SC	M16												10	3	.005			06
07	47	29.900			10															10					07
08	48	29.910			10															10					08
09	50	29.910			10	10	SC	M19												10	1	.020			09
10	47	29.910			10															10					10
11	48	29.870			5															5					11
12	49	29.830			1	1	SC	23												1	8	.030			12
13	54	29.860			0															0					13
14	51	29.850			0															0					14
15	50	29.850			0															0	6	.030			15
16	52	29.850			0															0					16
17	55	29.860			0															0					17
18	49	29.870			0	0	SC	15												0	3	.020			18
19	53	29.880			1															1					19
20	48	29.895			3															3					20
21	50	29.910			5	5	SC	15												5	3	.040			21
22	51	29.910			10															10					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.			
	0300																	
	0448	X	0	0	X	69	67	X	X						X			
	0948	1	0	0	0	69	67											
	0947	2	0	0	0	71	67											
	1548	3	0	0	0	74	71											
	2148	4	0	0	0	71	65											
	2300	X	0	0	0	66	65	X	X						X			

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59	0749	1549	2147
ATT. THERM. 60			
OBSERVE. BAR. 61			
TOTAL CORR. 62			
STA. PRESS. 63	29.90	29.850	29.910
BAROGRAPH 64	29.915	29.860	29.900
BAR. CORR. 65	-.005	-.010	+.010

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNOFF. TO (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Ens.)	PEAK WIND DIR. (Tens)	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER MID-NIGHT TO MID-NIGHT	WATER EQUIV. (Ins.)	
74	65	0	0	0	16	S	1353					6			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
H	0830	1120			

REMARKS NOTE AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P 01 Sec./1000P 01 Sec./1600P ±0 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ★U.S.GPO 1983-0-784-008/6068

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 27 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mb)	TEMP °F	DEW PT °F	WIND DIR (10's of Deg.)	WIND SPEED (Kts)	WIND CHARACTER	ALTIMETER SETTING (Ins)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
SA	0453	M11 OVC	5		H	146	66	60	11	06		996	/ 60	AD
SA	0547	M11 OVC	5		H	149	65	60	00	00		997	/ TOPS 023	AD
SA	0649	M11 OVC	5		H	152	65	60	01	03		998	/ 210 15//	AD
SA	0749	M11 OVC	5		H	152	66	60	02	03		998	/ TOPS 023	AD
SA	0850	M12 OVC	4		HK	152	67	60	00	00		998		AD
SA	0936	M15 OVC	4		HK				02	30		998	/ FEW B/NOVC	AD
SA	0951	M16 OVC	4		HK	152	71	60	29	03		998	/ B/NOVC / 400 15// 60	AD
SA	1004	17-BKN	4		HK				01	03		998		AD
SA	1047	CLR	4		HK	149	76	60	25	04		997		AD
SA	1148	CLR	5		HK	142	74	61	17	05		995		AD
SA	1247	CLR	6		HK	135	75	62	17	09		993	/ 8 7	AD
SA	1354	250 SCT	7			135	74	61	19	10		993		JKW
SA	1453	250 -SCT	7			132	74	62	18	10		992		JKW
SA	1550	250 -SCT	7			132	76	62	27	06		992	/ 603 1001 77	JKW
SA	1648	250 -SCT	7			132	74	62	28	06		992	/ VSBY LWR SW	JKW
SA	1752	CLR	7			135	71	61	29	06		993	/ CI S	JKW
SA	1847	CLR	7			142	68	63	15	07		995	/ 310	JKW
SA	1951	CLR	7			149	67	63	15	06		997	/ FEW ST SE-S	JKW
SA	2049	CLR	7			152	67	62	14	04		998	/ FEW ST SE-S	JKW
SA	2150	12 SCT	6		H	163	66	62	17	04		001	/ ST GRDLY INCRG / 320	JKW
													1600 77	
SA	2227	M12 BKN	6		H				13	04		001	/ CIG RGD	JKW
SA	2255	M11 OVC	5		H	163	66	62	06	04		001	/ CIG RGD SML B/NOVC	JKW
													OVHD LAST	

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following colored Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

☆U.S. GPO:1983-0-684-008/6010

MF1-10B
(10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)

SURFACE WEATHER OBSERVATIONS

DATE SEP 27 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.) 16	STATION PRESSURE (Ins.) 17	DRY BULB (°F) 18	WET BULB (°F) 19	REL. HUMIDITY (%) 20	TOTAL SKY COVER 21	LOWEST LAYER AMT 22	LOWEST LAYER TYPE 23	LOWEST LAYER HEIGHT 24	SECOND LAYER AMT 25	SECOND LAYER TYPE 26	SECOND LAYER HEIGHT 27	SUMMATION TOTAL 28	THIRD LAYER AMT 29	THIRD LAYER TYPE 30	THIRD LAYER HEIGHT 31	SUMMATION TOTAL 32	FOURTH LAYER AMT 33	FOURTH LAYER TYPE 34	FOURTH LAYER HEIGHT 35	TOTAL OPAQUE SKY COVER 36	PRESSURE TENDENCY 37	NET 3-HR. CHANGE (Ins.) 38	SUNSHINE (Min.) 39	PRECIPITATION (Ins.) 40	HR.
00																									00-01
01																									01-02
02																									02-03
03																									03-04
04 53	29.920				10															10					04-05
05 47	29.930				10															10					05-06
06 49	29.940				10	10	SC	M11												10	2	.030			06-07
07 49	29.940				10															10					07-08
08 50	29.940				10															10					08-09
09 51	29.940				10	10	SC	M16												9	4	.000			09-10
10 47	29.930				0															0					10-11
11 48	29.910				0															0					11-12
12 47	29.870				0															0	8	.050			12-13
13 54	29.885				1															1					13-14
14 53	29.880				2															1					14-15
15 50	29.880				1	1	CI	250												0	6	.010			15-16
16 48	29.880				1															0					16-17
17 52	29.890				0															0					17-18
18 47	29.910				0															0	3	.030			18-19
19 51	29.930				0															0					19-20
20 49	29.940				0															0					20-21
21 50	29.970				3	3	ST	12												3	3	.060			21-22
22 55	29.970				10															10					22-23
23																									23-24

SYNOPTIC OBSERVATIONS

TIME (G.M.T.) 41	TIME (L.S.T.) 42	NO. 43	PRECIP. (Ins.) 44	SNOW FALL (Ins.) 45	SNOW DEPTH (Ins.) 46	MAX. TEMP. (°F) 47	MIN. TEMP. (°F) 48	49	STATE OF GRND. 50	51	52	53	54	55	SOIL TEMP. 56	57	58
	2300 [redacted] TO 0448	X	0	0	X	67	60	X	X						X		
	0448	1	0	0	0	67	60										
	0947	2	0	0	0	71	65										
	1548	3	0	0	0	77	71										
	2148	4	0	0	0	76	66										
	2300 [redacted]	X	0	0	0	67	66	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59		0949	15	2149
ATT. THERM. 60				
OBSVD. BAR. 61				
TOTAL CORR. 62				
STA. PRESS. 63		29.940	29.880	29.970
BAROGRAPH 64		29.940	29.880	29.960
BAR. CORR. 65		0	0	+.010

SUMMARY OF DAY [redacted] TO [redacted] (2300P TO 2300P)

24-HR. MAX. TEMP. (°F) 66	24-HR. MIN. TEMP. (°F) 67	24-HR. PRECIP. WATER EQUIV. (Ins.) 68	24-HR. SNOWFALL UNMLTD (Ins.) 69	SNOW DEPTH (Ins.) 70	PEAK WIND SPEED (Kts.) 71	PEAK WIND DIRECTION 72	PEAK WIND TIME (L.S.T.) 73	THICKNESS OF ICE ON WATER (Ins.) 74	FROZEN GROUND LAYER (Ins.) TOP 75	FROZEN GROUND LAYER (Ins.) BASE 76	RIVER GAGE 77	SKY COVER SUNRISE TO SUNSET 78	SKY COVER MIDNIGHT TO MIDNIGHT 79	WATER EQUIV. (Ins.) 80	81
77	60	0	0	0	16	S	1251					5			

WEATHER & OBSTRUCTIONS TO VISION

TYPE 82	BEGAN 83	ENDED 84	TYPE 86	BEGAN 87	ENDED 88
H	CONT	1320			
K	0840	1320			
H	2125	CONT			

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT: 0500P @ 1 Sec./1000P @ 1 Sec./1600P @ 1 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆ U.S. GPO 1983-0-784-008/6080

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 28 1987

TO CONVERT LST TO GMT: ADD 8 hrs SUBTRACT ____ hrs

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (MB)	TEMP (°F)	DEW PT (°F)	WIND DIRECTION (10s of Degrees)	WIND SPEED (Knots)	WIND CHARACTER	ALTIMETER SETTING (In.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER INITIALS
SA	2452	CLR	3		FH	1156	65	61	00	00		997	/ 63	AD
SP	0537	-X	1½		FH				29	05		000	/FH2	AD
SA	0547	-X	1½		FH	1159	64	62	29	05		000	/FH2	AD
SA	0645	-X 250 SCT	1½		FH	1159	66	62	29	06		000	/FH2 502 1001	AD
SP	0743	-X 250 SCT	2		HK				30	05		001	/HK1	AD
SA	0750	-X 250-SCT	2		HK	1163	70	62	31	06		001	/HK1	AD
RS	0850	-X 250-SCT	2½		HK	1163	76	63	28	06		001	/HK1	AD
SA	0949	-X 250-SCT	2½	7	HK	1163	77	63	27	07		001	/HK1 TWR V 5843/ 002 1001 63	AD
SP	1024	CLR	3		HK				29	05		001	/FEW CI TWR V 5844	AD
SA	1049	CLR	5		HK	1159	82	62	29	06		000	/FEW CI	AD
SA	1148	CLR	4		HK	1152	85	62	26	07		998		AD
SA	1249	CLR	4		HK	1149	84	62	29	07		997	/FEW CU N / 814 1100	AD
SA	1349	CLR	5		HK	1146	85	61	25	09		996	/FEW MDT CU N-NE	ML
SA	1449	CLR	7			1142	83	60	26	10		995	/FEW CU N-E	ML
SA	1551	CLR	7			1139	77	61	27	12		994	/1608 86	RMS
SA	1650	CLR	9			1139	75	63	29	10		994		RMS
SA	1750	CLR	15			1142	71	63	27	09		995		RMS
SA	1850	CLR	15			1149	69	64	27	07		997	/ 310	RMS
SA	1946	CLR	12			1159	64	63	36	04		000		RMS
SA	2052	CLR	10			1163	68	63	02	04		001		RMS
SA	2150	CLR	10			1166	68	63	36	05		002	/117 9E	RMS
SA	2246	CLR	8			1169	68	63	32	06		003	/LAST	RMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

☆U.S.GPO:1983-0-684-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 28 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMIDITY %	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								
01																								
02																								
03																								
04	52	29.930				0														0				
05	51	29.955				2														2				
06	47	29.960				2	2	F	—	0	CI	250	2							2	5	.005		
07	50	29.970				2														1				
08	50	29.965				2														1				
09	49	29.965				2	1	H	—	1	CI	250	2							1	0	.005		
10	44	29.955				0														0				
11	48	29.940				0														0				
12	49	29.925				0	0	CU	50											0	8	.043		
13	49	29.915				0														0				
14	49	29.910				C														C				
15	51	29.900				0														C	6	.025		
16	50	29.895				0														0				
17	52	29.910				0														0				
18	50	29.930				0														0	3	.030		
19	54	29.955				0														0				
20	52	29.970				0														C				
21	53	29.980				C														C	1	.050		
22	46	29.965				0														0				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (LST)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF GROUND	SOIL TEMP.	STATION PRESSURE COMPUTATIONS
41		43	44	45	46	47	48	49	56	
	2300 TO 0443	X	C	0	X	66	63	X	X	TIME (L.S.T.) 0948 1546 [illegible]
	0448	1	0	0	0	67	63			ATT. THERM.
	0947	2	0	0	0	80	64			OBSERV. BAR.
	1545	3	0	0	0	86	77			TOTAL CORR.
	2145	4	0	0	0	78	68			STA. PRESS. 29.965 29.900 29.955
	2300	X	0	0	0	68	68	X	X	BAROGRAPH 29.975 29.910 29.965
										BAR. CORR. -.010 -.06 0

SUMMARY OF DAY [illegible] TO [illegible] (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Mi.)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO MIDNIGHT	WATER EQUIV. (Ins.)	
66	63	C	C	C	15	W	1545					1			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
92	93	94	95	96	98
H	CONT	1435			
F	CONT	0730			
K	0730	1435			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. ON ____ FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500Y @1 Sec./1000P @1 Sec./ 1530P ± ____ Sec.

1) - Last of Several Occurrences

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆U.S.GPO 1983-0-784-008/8089

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 29 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING	VISIBILITY Miles		WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS.	TEMP	DEW P	WIND			ALTIMETER SETTING	REMARKS AND SUPPLEMENTAL CODED DATA	
			SURFACE	TOWER					CLOCK FROM (00=N)	KTS	HOURLY MAXIMUM			
	1	2	3	4a	4	5	6	8	9	10	11	12	13	15
SA	0447	CLR	5		FH	163	65	62	00	00		001	02	JZW
SA	0548	-X 250 -BKN	3		FH	166	65	63	26	06		002	FHI VSBY SW-NW 1½ SE4	JZW
SA	0652	-X 250 SCT	3		FH	173	67	64	27	04		004	FHI VSBY W-NW 2½ / 314	JZW
													1001	
SA	0751	-X 110 SCT 250 SCT	4		HK	173	71	64	28	03		004	HKI	JZW
SA	0854	-X 110 SCT 250 SCT	4		HK	173	75	64	01	04		004	HKI	JZW
SA	0950	-X 250 SCT	4		HK	169	80	64	30	03		003	HKI / 803 1001 62	JZW
SA	1053	-X 60 SCT 120 SCT 250 SCT	4		HK	166	83	64	24	03		002	HKI MDT CU DSNT N-NE	JZW
SA	1149	250 SCT	5		HK	159	83	65	18	08		000	MDT CU DSNT N-NE	JZW
SA	1249	250 SCT	7			152	87	62	28	10		998	MDT CU DSNT N-NE/ *717	JZW
													.201	
SA	1349	250-SCT	10			146	86	63	29	09		996	TCU N-NE	ML
SA	1449	250-SCT	15			142	85	58	26	09		995	TCU NW-NE	ML
SA	1550	250-SCT	13			135	81	56	26	12		993	TCU N-NE/E17	ML
SA	1649	120 SCT 250-SCT	13			139	78	60	31	08		994		ML
SA	1747	250-SCT	15			142	74	62	30	10		995		ML
SA	1850	120 SCT 250-SCT	15			142	71	63	30	08		995	/107 1031	ML
SA	1949	E250 BKN	15			149	70	63	3	08		997		ML
SA	2050	120 SCT	15			152	70	63	32	06		998		ML
SA	2149	120 SCT	15			152	70	64	29	06		998	/110 1070 57	ML
SA	2246	120 SCT	10			152	69	64	30	06		998	/LAST	ML

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

☆U.S.GPO:1983-0-884-008/8010

MF1-10B
10-83

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 29 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Tenths)	PRECIPITATION (Ins.)
00																								
01																								
02																								
03																								
04	47	29.970				0														0				
05	48	29.980				6														2				
06	52	30.000				3	1	F	—	2	Cl	250	3							2	3	.040		
07	51	30.000				4														4				
08	54	30.000				3														3				
09	50	29.990				3	1	H	—	2	Cl	250	3							2	8	.010		
10	53	29.980				3														3				
11	49	29.960				2														2				
12	49	29.940				3	0	Cu	60	3	Cl	250	3							3	7	.050		
13	49	29.920				1														0				
14	49	29.905				1														0				
15	50	29.890				1	0	Tcu	60	1	Cl	250	1							0	6	.050		
16	49	29.895				4														2				
17	47	29.910				4														1				
18	50	29.910				2	1	Ac	120	1	Cl	250	2							1	1	.020		
19	46	29.935				6														5				
20	50	29.935				4														4				
21	49	29.940				4	4	Ac	120											4	1	.030		
22	46	29.945				1														1				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF GRND.	SOIL TEMP.
	2300 P TO 2444	X	0	0	X	68	62	X	X
	2444	1	0	0	0	68	62		
	0748	2	0	0	0	81	64		
	1545	3	0	0	0	87	80		
	2145	4	0	0	0	81	70		
	2300 LST	X	0	0	0	70	69	X	X

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)		0949	1546	2146
ATT. THERM.				
OBSERVE. BAR.				
TOTAL CORR.				
EVAL. PRESS.		29.890	29.896	29.940
BAROGRAPH		30.000	29.895	29.935
BAR. CORR.		-.010	-.005	+.005

SUMMARY OF DAY (2300 P TO 2300 P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Knots)	PEAK WIND DIR. (Tens)	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER TOP	FROZEN GROUND LAYER BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
87	62	0	0	0	14	W	1539					3			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
F	CONT	0718			
H	CONT	1230			
K	0718	1230			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MIN. WIND SPEED ____ MPH ON ____ FASTEST 1-MIN. WIND SPEED ____ MPH ____ PREVAILING DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500 P @ 1 Sec. / 1000 P @ 1 Sec. / 1530 P @ 1 Sec.

1) - LOST - FEDERAL EQUIPMENT

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. * U.S. GPO 1983-0-784-008/8088

MF1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 30 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles: SURFACE (4)	VISIBILITY Miles: TOWER (4a)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. Mb (6)	TEMP °F (7)	DEW PT °F (8)	WIND: DIRECTION (00=36) (9)	WIND: SPEED Kts. (10)	WIND: CHARACTER (11)	ALTIMETER SETTING (Hg.) (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER'S INITIALS (15)
SA	0447	CLR	4		FH	135	65	63	00	00		993	/ 65	BLW
SA	0548	100 SCT	4		FH	139	66	63	00	00		994		BLW
SA	0652	E100 BKN	4		HK	142	70	64	31	04		995	/ 103 1070	BLW
SA	0751	100 SCT	4		HK	142	74	63	32	05		995		BLW
SA	0853	-X 100 SCT	4		HK	142	80	63	13	05		995	/HK1	BLW
SA	0950	-X 100 SCT	3		HK	142	81	65	17	05		995	/HK2 VSBY W2½ / 102	BLW
													1070 65	
SA	1052	-X 100 SCT	3		HK	139	82	65	17	08		994	/HK2 VSBY W-NW2½	BLW
SA	1149	-X 100 SCT	4		HK	135	89	65	27	08		993	/HK1	BLW
SA	1249	CLR	7			129	89	63	26	07		991	/CU DSNT N-NE AND E	BLW
													714 1100	
SA	1349	CLR	8			119	86	62	27	10		988	/CB DSNT SE TCU NW-E	ML
SA	1449	CLR	10			112	85	59	27	14		986	/CB DSNT SE TCU AC NW-E	ML
SA	1549	100 SCT	12			112	79	61	31	12		986	/CB TCU N-NE/617 1360 90	RMS
SA	1649	120 SCT	12			112	77	62	26	09		986		RMS
SA	1751	120 SCT	15			115	74	60	30	11		987		RMS
SA	1849	120 SCT	13			115	74	59	30	07		987	/303 103	RMS
SA	1946	110 SCT	15			125	73	62	14	08		990		RMS
SA	2048	110 SCT	15			129	71	69	10	06		991		RMS
SA	2150	110 SCT	15			132	70	64	06	03		992	/115 1070 90	RMS
SA	2246	110 SCT	15			129	69	64	10	03		991	/LAST	RMS

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII. Iiiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRRt_R 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

☆U.S.GPO:1983-0-884-008/6010

MF1-108 (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: SEP 30 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3 HR. CHANGE (Ins.)	SUNSHINE (Min.)	PRECIPITATION (Ins.)	
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
00																									00
01																									01
02																									02
03																									03
04	47	29.840			0															0					04
05	48	29.900			3															3					05
06	52	29.905			6	6	AC	E100												6	1	.010			06
07	51	29.910			4															4					07
08	53	29.910			3															3					08
09	50	29.910			4	2	M	—	2	AC	100	4								4	1	.005			09
10	52	29.900			3															3					10
11	49	29.890			3															3					11
12	49	29.870			0	0	CU	60												0	7	.040			12
13	49	29.840			0															0					13
14	49	29.830			0															0					14
15	48	29.820			2	0	CB	60	2	AC	100	2								2	6	.050			15
16	49	29.820			3															3					16
17	52	29.825			3															3					17
18	48	29.830			2	2	AC	120												2	3	.010			18
19	46	29.860			2															2					19
20	48	29.870			3															3					20
21	50	29.875			3	3	AC	110												3	1	.045			21
22	46	29.870			3															3					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.		
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58
	2300 TO 0444	X	0	0	X	70	65	X	X						X		
	0444	1	0	0	0	70	65										
	0948	2	0	0	0	83	65										
	1545	3	0	0	0	90	74										
	2145	4	0	0	0	90	70										
	2300	X	0	0	0	70	69	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59	0949	1346	2146
ATT. THERM. 60			
OBSERVG. CORR. 61			
TOTAL CORR. 62			
STA. PRESS. 63	29.910	29.820	29.875
3 HR. GROUP 64	29.910	29.835	29.880
3 HR. CORR. 65	0	-.015	-.005

SUMMARY OF DAY [redacted] TO [redacted] (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNREL. TO (Ins.)	SNOW DEPTH (Ins.)	RESULTANT WIND SPEED (Knots)	RESULTANT WIND DIR. (Tens)	RESULTANT WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER TOP (Ins.)	FROZEN GROUND LAYER DEPTH (Ins.)	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
90	65	0	0	0	19	W	1443					3			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88
F	CONT	0635			
H	CONT	1230			
K	0635	1230			

REMARKS, NOTES AND NONCOMMERCIAL PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE ____ (MIN.) | DURATION OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. | OR FASTEST MILE ____ M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0300P ① 1 Sec./ 1000P ② 1 Sec./ 1736P ③ 1 Sec.

SP=

RS=

MF1-108 (10-83) SUPERSEDES MF1-108 (1-82) WHICH MAY BE USED. ★U.S.GPO:1983-0-784-008/8089

MF 1-10A (5-83) — U.S. DEPARTMENT OF COMMERCE — NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION — NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: OCT 1 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE (1)	TIME (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles: SURFACE (4i)	VISIBILITY Miles: TOWER (4o)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. MSL (6)	TEMP °F (7)	DEW PT °F (8)	WIND: DIRECTION 00-36 (9)	WIND: SPEED Kts. (10)	WIND: CHARACTER (11)	ALTIM SETTING Inches (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER'S INITIALS (15)
SA	0748	CLR	5		H	122	66	63	36	03		984	/ 65	RW
SA	0547	CLR	5		H	125	66	63	00	00		990	/ FEW AC N	RW
SA	0653	CLR	4		HK	129	69	64	31	03		991	/ FEW AC N / 307 1070	RW
SA	0752	CLR	4		HK	132	74	65	26	04		992		RW
SA	0851	CLR	4		HK	132	81	64	30	05		992	/ FEW SML CU DSNT N	RW
SA	0950	CLR	4		HK	129	88	62	28	06		991	/ MOT CU DSNT N-NE	RW
													/ 000 1200 65	
SA	1051	CLR	5		HK	129	91	63	28	08		991	/ TCU DSNT N-NE AND E	RW
SA	1149	CLR	6		HK	125	89	61	28	11		990	/ CB DSNT NE TCU N-E	RW
SA	1249	CLR	8			115	89	60	28	11		987	/ CB DSNT NW AND NE	RW
													TCU NW-NE AND E	
													/ 814 1900	
SA	1349	200SCT	10			112	92	56	28	11		986	/ CB NW AND NE TCU NW - E	RW
SA	1449	200SCT	14			108	87	55	27	14		985	/ CB DSNT NE AC NW	RW
SA	1551	150SCT	15			108	93	55	27	18		985	/ CB DSNT NE AND E	RW
													CCT 1960 92	
SA	1649	150SCT	15			105	79	59	27	10		984		RW
SA	1749	CLR	20			109	76	60	32	06		985	/ FEW AC	RW
SA	1950	CLR	20			115	74	60	33	04		987	/ 305	RW
SA	1947	CLR	26			119	73	60	00	00		988		RW
SA	2149	CLR	20			125	72	61	00	00		990		RW
SA	2350	CLR	15			129	71	63	07	06		991	/ 215 92	RW
SA	2446	CLR	15			132	69	63	05	03		992	/ LAST	RW

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

*U.S.GPO:1983-0-664-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: OCT 1 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	RELATIVE HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUMMATION (Ins.)	PRECIPITATION (Ins.)	
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40		
00																										00
01																										01
02																										02
03																										03
04	48	29.850				0															0					04
05	47	29.860				0															0					05
06	53	29.870				0	0	AC	110												0	3	.020			06
07	52	29.880				0															0					07
08	51	29.880				0															0					08
09	50	29.870				0	0	CU	70												0	0	.000			09
10	51	29.865				0															0					10
11	49	29.860				0															0					11
12	49	29.830				0	0	CB	60												0	8	.040			12
13	49	29.815				1															1					13
14	49	29.810				1															1					14
15	51	29.810				1	0	CB	60	1	AC	150	1								1	6	.020			15
16	46	29.800				1															1					16
17	46	29.810				0															0					17
18	50	29.825				0															0	3	.015			18
19	47	29.840				0															0					19
20	49	29.855				0															0					20
21	50	29.870				0															0	2	.045			21
22	46	29.880				0															0					22
23																										23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.					SOIL TEMP.		
A1			44	45	46	47	48	49	50	51	52	53	54	55	56	57	58
	2300 TO 0444	X	0	0	X	70	65	X	X						X		
	0444	1	0	0	0	70	65										
	0948	2	0	0	0	88	65										
	1545	3	0	0	0	92	82										
	2145	4	0	0	0	83	71										
	2300	X	0	0	0	71	69	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59	0949	1541	2146
ATT. THERM. 60			
CORRECTION 61			
TOTAL CORR. 62			
EVAL. PRESS. 63	29.870	29.810	29.870
BAROGRAPH 64	29.880	29.820	29.875
CORR. CORR. 65	-.010	-.010	-.005

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Etc.)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER MID-NIGHT TO MID-NIGHT	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
92	65	0	0	0	20	W	1548					0			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	86	87	88
H	CONT	1230			
K	0640	1230			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P @1 Sec./1000P @1 Sec./1530P @1 Sec.

MODERATE EARTHQUAKE AT 0642P. LIGHT DAMAGE BROKEN WINDOWS (2) SMALL ARTICLES FELL FROM SHELVES

1 test of several occurrences

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ○ U.S. GPO: 1983-0-784-008/6088

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: OCT 2 1987

TO CONVERT LST TO GMT: ADD 8 hrs SUBTRACT ____ hrs

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mb)	TEMP °F	DEW PT °F	WIND DIRECTION (00-36)	WIND SPEED (Kts)	WIND GUSTS (Kts)	ALTIMETER SETTING (In.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
SA	0449	CLR	5		FH	135	65	63	00	00		993	/ 64	ZKW
SA	0547	CLR	4		FH	139	66	63	09	04		994		ZKW
SA	0651	CLR	4		FH	146	68	64	13	04		996	/ 312	ZKW
SA	0753	CLR	5		HK	152	72	64	00	00		998		ZKW
SA	0853	CLR	6		HK	152	79	64	36	04		998		ZKW
SA	0950	CLR	6		HK	156	84	61	00	00		999	/ 310 64	ZKW
SA	1054	CLR	6		HK	152	82	66	17	09		998		ZKW
SA	1149	CLR	7			149	83	65	17	08		997	/ FEW SML CU N-E	ZKW
SA	1249	CLR	7			142	86	61	20	07		995	/ FEW CU N-E / 3/4 11 CU	ML
SA	1346	CLR	8			139	93	58	27	09		994	/ FEW CU NW-NE	ML
SA	1446	CLR	12			139	87	61	27	11		994	/ FEW CU NW-NE	ML
SA	1550	CLR	14			135	83	58	29	09		993	/ FEW CU N-NE / CB 7 11 CU 93	AD
SA	1648	CLR	14			139	79	60	29	06		994	/ FEW CU N-NE	AD
SA	1747	CLR	15			142	77	57	30	11		995	/ FEW AC NW-NE	AD
SA	1852	150 SCT	14			149	74	59	33	03		997	/ 312 / 030	AD
SA	1947	150 SCT	14			156	74	63	12	03		999		AD
SA	2048	CLR	12			159	70	62	01	04		000		AD
SA	2150	CLR	12			156	71	60	31	05		999	/ 008 93	AD
SA	2249	CLR	10			156	70	61	28	05		999	/ LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRRt_R $7wwW_1W_2$ $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

*U.S.GPO:1983-0-684-008/8010

MF1-108 (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: OCT 2 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET AMT CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								HR. MIN.
01																								01
02																								02
03																								03
0449	29.890				0															0				04
0547	29.900				0															0				05
0651	29.920				0															0	3	.035		06
0753	29.940				0															0				07
0853	29.940				0															0				08
0950	29.950				0															0	3	.030		09
1054	29.940				0															0				10
1149	29.930				0															0				11
1249	29.910				0	0	CU	90												0	3	.040		12
1349	29.900				0															0				13
1449	29.895				0															0				14
1550	29.890				0	0	CU	90												0	6	.020		15
1643	29.895				0															0				16
1747	29.910				0															0				17
1852	29.925				1	1	AC	150												1	3	.035		18
1947	29.945				2															2				19
2048	29.960				0															0				20
2150	29.950				0															0	0	.025		21
2249	29.945				0															0				22
23																								23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GROUND					SOIL TEMP.		
41			44	45	46	47	48	49	50	51	52	53	54	55	56	57	58
	0001 TO 0444	X	0	0	X	70	64	X	X						X		
	0444	1	0	0	0	71	64										
	0748	2	0	0	0	84	65										
	1547	3	0	0	0	93	81										
	2147	4	0	0	0	84	70										
	2300	X	0	0	0	71	70	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59	0949	1545	2148
ATT. THERM. 60			
CORRN. CAR. 61			
TOTAL CORR. 62			
STA. PRESS. 63	29.950	29.890	29.950
BAROGRAPH 64	29.950	29.895	29.960
BAR. CORR. 65	0	-.005	-.010

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	FASTEST WIND: SPEED (Kts.)	FASTEST WIND: DIR. (Tens)	FASTEST WIND: TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.): TOP	FROZEN GROUND LAYER (Ins.): BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: SUNSET TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
93	64	0	0	0	14	W	1423					0			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88
F	CONT	0710			
H	CONT	1130			
K	0710	1130			

REMARKS AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST 1/4-MI. WIND ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P @2 Sec. / 1000P @2 Sec. / 1600 @2 Sec.

V LAST of SEVERAL OCCURRENCES

SP=

RS=

MF1-108 (10-83) SUPERSEDES MF1-108 (1-82) WHICH MAY BE USED. ☆U.S. GPO 1983-0-784-008/8088

MF1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

SURFACE WEATHER OBSERVATIONS

DATE: OCT 3 1987

TO CONVERT LST TO GMT: ADD 8 hrs SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (MB)	TEMP °F	DEW PT °F	WIND DIRECTION (00-36)	WIND SPEED (KTS)	WIND CHARACTER	ALTIMETER SETTING (INS.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
1	2	3	4	4a	5	6	7	8	9	10	11	12	13	14
SA	0454	CLR	15			159	65	62	00	00		000	/64	RMS
SA	0546	CLR	8			163	65	60	00	00		001		RMS
SA	0647	CLR	9			166	62	61	00	00		002	/3.4	RMS
SA	0748	CLR	5		HK	169	75	61	00	00		003		RMS
SA	0850	CLR	7		HK	169	83	59	34	04		003		RMS
SA	0950	CLR	6		HK	173	91	55	00	00		004	/105 6.4	RMS
SA	1046	CLR	5		HK	166	89	53	00	00		002		RMS
SA	1152	CLR	15			156	104	46	18	05		999	/MOT CU N-NE	RMS
SA	1250	80 SCT	15			149	103	44	20	09		997	/MOTCU N-NE/B22 12	RMS
SA	1347	80 SCT	20			142	102	41	21	10		995	/MOT CU N-NE	RMS
SA	1453	80 SCT	6		HK	139	99	54	27	08		994		RMS
SA	1551	120 SCT	8			135	99	49	25	06		993	/FEW ALNW-NE/714/1550	AD
													05	
SA	1651	CLR	12			139	90	53	29	08		994	/FEW AL NW-NE K LYR SE-S	AD
SA	1749	180-SCT	15			142	83	49	30	06		995	/FEW ALNW-W K 180-SCT	AD
SA	1843	CLR	15			149	86	51	32	05		999	/3.4	AD
SA	1949	CLR	15			156	81	55	27	05		999		AD
SA	2047	CLR	15			159	74	55	00	00		000		AD
SA	2150	CLR	15			159	77	57	00	00		000	//10 05	AD
SA	2247	CLR	15			159	76	55	31	05		000	/LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iR ix hVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

• U.S.GPO-1983-0-684-008/8010

MF1-108 (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: OCT 3 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)	
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
00																									00
01																									01
02																									02
03																									03
0454	29.95				0															0					04
0549	29.965				0															0					05
0647	29.980				0															0	3	.040			06
0749	29.940				0															0					07
0850	29.945				0															0					08
0950	29.995				0															0	1	.015			09
1046	29.950				0															0					10
1152	29.950				0															0					11
1250	29.930				1	1	CU	80												1	8	.065			12
1347	29.910				1															1					13
1453	29.900				1															1					14
1557	29.890				1	1	ACCS	120												1	7	.040			15
1651	29.895				0															0					16
1749	29.910				2															1					17
1848	29.930				0															0	3	.040			18
1949	29.945				0															0					19
2047	29.960				0															0					20
2150	29.960				0															0	1	.030			21
2247	29.935				0															0					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.		
41	2300	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58
	0454	X	C	C	X	70	64	X	X						X		
	0549	1	C	C	C	71	64										
	0945	2	C	⊖	0	92	65										
	1547	3	0	0	0	105	91										
	2147	4	0	0	0	100	76										
	2300	X	0	0	0	77	75	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59	0946	1549	2149
ATT. THERM. 60			
OBSERV. BAR. 61			
TOTAL CORR. 62			
STA. PRESS. 63	29.945	29.890	29.960
BAROGRAPH 64	29.940	29.900	29.960
BAR. CORR. 65	+.005	-.010	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Knots)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO MIDNIGHT	WATER EQUIV. (Ins.)		
66	67	68	69	70	71	72	73	74	75	76	77	78		80	81	
105	64	0	0	0	13	W	1440					0				

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88
H	0710	1140			
K	0710	1140			
H	1430	1540			
K	1430	1540			

REMARKS, ENTRIES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MINS.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED & DIR. (Knots) (L.S.T.) | OR FASTEST MILE (Knots) (L.S.T.) | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0500P ± 0 Sec. / 0430P ± 0 Sec. / 1600P ± 0 Sec.

1/ LAST OF SEVERAL OCCURRENCES

SP=

RS=

MF1-108 (10-83) SUPERSEDES MF1-108 (1-32) WHICH MAY BE USED. ○ U.S. GPO 1983-0-784-005/6089

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: OCT 4 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mbs)	TEMP °F	DEW PT °F	WIND DIRECTION (00-36)	WIND SPEED (Kts.)	WIND CHARACTER	ALTIMETER SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
	(2)	(3)	(4a)	(4b)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(15)
SA	0447	CLR	25			152	70	60	00	00		998	/7C	MS
SA	0556	CLR	50			156	68	48	32	03		999	IRIGHT KLYR W-N-E	MS
SA	0647	CLR	50			159	72	50	32	07		000	/305	MS
SA	0744	CLR	50			163	80	44	33	04		001		MS
SA	0844	CLR	40			163	90	47	08	07		001		MS
SA	0953	CLR	50			159	97	44	00	00		000	/000 CB	MS
SA	1046	CLR	50			156	99	38	22	04		999		MS
SA	1155	CLR	50			146	102	37	18	08		996		MS
SA	1251	CLR	50			139	102	36	21	08		994	/E20	MS
SA	1350	CLR	50			129	102	37	20	10		991	/FEW CLE	MS
SA	1440	CLR	50			125	102	43	28	10		990		MS
SA	1551	CLR	20			119	96	43	28	12		988	/620 05	AD
SA	1647	CLR	20			119	92	40	28	10		988		AD
SA	1747	CLR	20			129	85	45	26	06		991	/KLYR S-SW	AD
SA	1848	CLR	20			132	85	46	30	05		992	/314	AD
SA	1947	CLR	20			135	83	44	01	03		993		AD
SA	2048	CLR	20			142	79	48	14	04		995		AD
SA	2150	CLR	15			142	76	51	13	03		995	/110 05	AD
SA	2248	CLR	15			142	74	54	36	03		995	/LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRRt_R 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

☆U.S.GPO:1983-0-684-008/8010

MF1-108 (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: OCT 4 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								
01																								
02																								
03																								
04	24.94				0															0				
05	24.95				0															0				
06	24.96				0															0	3	.05		
07	24.97				0															0				
08	24.97				0															0				
09	24.96				0															0	6	.06		
10	24.95				0															0				
11	24.94				0															0				
12	24.96				0															0	6	.06		
13	24.96				0															0				
14	24.95				0															0				
15	24.94				0															0	6	.06		
16	24.94				0															0				
17	24.95				0															0				
18	24.98				0															0	3	.04		
19	24.97				0															0				
20	24.97				0															0				
21	24.97				0															0	1	.03		
22	24.97				0															0				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.			STATION PRESSURE COMPUTATIONS				
41	2300 TO 0455	X	0	0	X	77	70		X						X			TIME (L.S.T.) 59		0451	1549	2149
	0455	1	0	0	0	77	70											ATY. THERM. 60				
	0956	2	0	0	0	47	68											CORR'D. BAR. 61				
	1547	3	0	0	0	105	96											TOTAL CORR. 62				
	2147	4	0	0	0	96	76											EVA. PRESS. 63		24.96	29.84	29.90
	2300	X	0	0	0	76	73		X						X			BAROGRAPH 64		29.90	29.85	29.91
																		BAR. CORR. 65		-.06	-.015	0

SUMMARY OF DAY [redacted] TO [redacted] (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Inc.)	24-HR. SNOWFALL UNMELTED (Inc.)	SNOW DEPTH (Inc.)	PEAK WIND SPEED (Etc.)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Inc.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Inc.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
105	68	0	0	0	16	W	1659					0			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED AND DIRECTION | M.P.H. | OR FASTEST OBS'D 1-MIN. WIND SPEED | M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 1600P ±0 Sec. / 2200P ±0 Sec. / ± Sec.

1/ LAST OF SEVERAL OCCURRENCES

SP=

RS=

MF1-108 (10-83) SUPERSEDES MF1-108 (1-82) WHICH MAY BE USED. ☆U.S.GPO 1983-0-784-008/8088

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: OCT 5 1987

TO CONVERT LST TO GMT: ADD 8 hrs SUBTRACT ____ hrs

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mb)	TEMP (°F)	DEW PT (°F)	WIND DIR. (Tens of Degrees)	WIND SPEED (Knots)	WIND GUSTS (Knots)	ALTIMETER SETTING (Inches)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
	2	3	4	4a	5	6		8	9	10	11	12	13	13
SA	0447	CLR	10			135	67	58	28	06		993	/ 65	
SA	0548	CLR	10			137	68	58	28	04		994		
SA	0652	CLR	10			142	73	56	00	00		995	/ 303	
SA	0751	CLR	6		HK	146	78	57	15	05		996		
SA	0853	CLR	6		HK	149	80	56	14	07		997		
SA	0950	80 -SCT	8			149	80	65	17	08		997	/K80 -SCT / 65	
SA	1051	80 -BKN	8			146	82	60	17	07		996	/K80 -BKN	
SA	1147	80 -BKN	8			139	82	63	20	06		994	/K80 -BKN	
SA	1249	80 -BKN	10			129	83	63	18	08		991	/K80 -BKN / 820	
SA	1346	80-BKN	10			122	80	65	17	09		989	/ K 80 - BKN	
SA	1449	80-SCT	11			119	78	65	17	09		988	/ K 80 - SCT	
SA	1553	80-SCT	9			114	77	64	16	08		988	/ K 80-SCT / 6 1/2 99	
SA	1647	80-SCT	9			115	75	65	14	08		987	/ K 80-SCT [illegible]	
SA	1750	80-SCT	15			115	72	65	16	06		987	/ K 80-SCT	
SA	1853	80-SCT	15			122	71	66	16	06		989	/ K 80-SCT / 805	
SA	1948	CLR	15			124	70	67	15	07		991		
SA	2054	CLR	15			135	67	65	15	09		993	/ FEW SC.	
SP	2103	3 SCT	4	7	F				14	08		993	/ ST [illegible]	
SP	2109	M 3 BKN	2		F				14	07		993	/ ST [illegible]	
SP	2130	M 3 OVC	1		F				16	08		994		
SA	2251	M 2 OVC	1		F	139	67	66	13	07		994	/ 217 16// 88	
SA	2346	M 3 OVC	1		F	139	67	65	12	04		994	/ LAST	

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_n$TTT $2s_n$TdTdTdTd $3P_oP_oP_oP_o$ 4PPPP Sappp 6RRRt_R 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

*U.S.GPO:1983-0-664-008/6010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: OCT 5 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								
01																								
02																								
03																								
04 47	29.890				0																			
05 48	29.900				0															0				
06 50	29.910				0															0				
07 51	29.920				0															0	3	.010		
08 53	29.930				0															0				
09 50	29.930				2	2	K	80												0				
10 51	29.920				6															0	1	.020		
11 49	29.900				8															2				
12 49	29.870				8	8	K	80												3				
13 44	29.850				9															4	8	.060		
14 49	29.840				5															3				
15 53	29.835				2	2	K	80												1				
16 47	29.825				3															1	6	.035		
17 50	29.830				2															1				
18 53	29.850				1	1	K	80												0				
19 48	29.870				0															0	3	.045		
20 54	29.895				0															0				
21 51	29.900				10	10	ST	M2												0				
22 46	29.900				10															10	2	.050		
23																				10				

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF GRND.	SOIL TEMP.
	2300 TO 0444	X	0	0	X	74	65	X	X
	0444	1	0	0	0	76	65		
	0948	2	0	0	0	80	66		
	1545	3	0	0	0	84	77		
	2145	4	0	0	0	77	67		
	2300	X	0	0	0	67	67	X	X

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)	0949	1546	2146
ATT. THERM.			
OBSERVED (Ins.)			
TOTAL CORR.			
STA. PRESS.	29.930	29.815	29.945
MAX/MIN PRESS	29.930	29.840	29.940
BAR. CORR.	0	-.005	+.010

SUMMARY OF DAY ____ TO ____ (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Etc.)	PEAK WIND DIR. (10's)	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER TOP	FROZEN GROUND LAYER BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)		
84	65	0	0	0	13	35	2014					4				

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
H	0723	0930			
K	0723	0930			
E	2058	CONT			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ (M.P.H.) OR FASTEST MILE ____ (M.P.H.) RESULTANT DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P ± 0 Sec. / 1000P ± 0 Sec. / 1536P 61 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆ U.S. GPO: 1983-0-784-008/6000

MF 1-10A
5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: OCT 6 1987

TO CONVERT LST TO GMT: ADD 8 hrs SUBTRACT ____ hrs

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY OTHER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (MSL)	TEMP °F	DEW PT °F	WIND DIRECTION (from nearest 10 deg.)	WIND SPEED (Knots)	WIND GUSTS (Knots)	ALTIMETER SETTING (Inches)	REMARKS AND SUPPLEMENTAL CODED DATA	QUALITY CONTROL
SA	0447	w2X	3/8		F	135	64	63	13	03		993	/VSBY N-NE 1/2 / 63	ZLW
SA	0549	w2X	3/8		F	139	63	63	13	05		994	/VSBY NW-NE 1/2 TOFS 006	ZLW
SP	0637	-X M3 OVC	1/2		F				18	05		995	/F4 CIG RGD VSBY N 3/4 TOFS 007	ZLW
SA	0651	-X M3 OVC	1/2		F	142	64	63	18	04		995	/F4 CIG RGD VSBY W-N 3/4 / 303 1611	ZLW
SP	0700	-X M3 OVC	3/4		F				15	04		996	/F3 CIG RGD VSBY SW-NW1	ZLW
SP	0713	-X M3 OVC	1		F				16	05		996	/F3 CIG RGD	ZLW
SP	0735	-X M4 OVC	1 1/4		F				22	03		997	/F3 CIG RGD	ZLW
SA	0753	-X M4 OVC	1 1/4		F	149	66	63	23	03		997	/F3 CIG RGD VSBY NW-N 1/2	ZLW
SP	0759	-X M5 OVC	1 1/4		F				25	03		997	/F3 CIG RGD VSBY NW 1/2	ZLW
SP	0809	-X M6 OVC	1 1/2		FH				25	03		997	/FH3 CIG RGD BINOVC	ZLW
SA	0820	-X M6 BKN 250 OVC	2		FH				22	04		998	/FH2 CIG RGD	ZLW
SP	0834	-X 6 SCT E250 BKN	2		FH				16	04		998	/FH1 VSBY W-N 2 1/2	ZLW
SA	0849	-X 6 SCT E250 OVC	2		HK	152	67	62	17	03		998	/HK1 VSBY W-N 2 1/2	ZLW
SP	0908	-X 6 SCT E250 BKN	2 1/2		HK				17	05		999	/HK1 VSBY NW-N SE 2	ZLW
SP	0929	-X E250 BKN	3		HK				19	07		999	/HK1	ZLW
SA	0950	E250 BKN	4		HK	156	71	63	16	06		999	/FEW ST SE-S / 114 1602 63	ZLW
SA	1054	E250 BKN	6		HK	152	72	63	16	05		998		ZLW
SA	1151	E250 BKN	7			146	78	62	17	03		996		ZLW
SA	1249	E250 BKN	7			142	78	63	17	07		995	/VSBY LWR NW / 614 1002	ZLW
SA	1347	250 SCT	7			132	77	64	18	06		992		AD
SA	1449	250 - BKN	6		H	129	77	65	17	09		991		AD
SA	1554	250 - SCT	6		H	129	78	64	16	06		991	/6015 1601 79	AD
SA	1654	250 - SCT	6		H	129	76	64	24	06		991		AD
SA	1752	CLR	15			129	72	69	27	06		991	/SC DSNTN E E W C I	AD
SP	1837	CLR	15						28	08		993	/ST N NR 7 MND FF	AD
SA	1853	7 SCT	13			135	69	65	28	06		993	/307 1600	AD
SA	1953	7 SCT	10			139	69	65	31	08		994		AD
SA	2047	7 SCT	9			142	67	64	28	08		995	/VSBY LWR W	AD
SA	2150	7 SCT	5		F	142	66	63	30	07		995	/1CI 1600 79	AD
SA	2246	7 SCT 250-SCT	6		F	146	65	63	28	06		996	/LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iR$_i$$_x$hVV Nddff 1s$_n$TTT 2s$_nT_dT_dT_d$ 3P$_o$P$_o$P$_o$P$_o$ 4PPPP 5appp 6RRRt$_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (11-82) WHICH MAY BE USED.

* U.S. GPO 1983-0-684-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: OCT 6 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Tenths)	PRECIPITATION (Ins.)	
00																									00
01																									01
02																									02
03																									03
04	47	29.830			10															10					04
05	49	29.900			10															10					05
06	51	29.910			10	4	F	—	10	ST	M3	10								10	3	.010			06
07	53	29.930			10															10					07
08	49	29.940			10															6					08
09	50	29.950			9	0	ST	10	9	CI	E250	9								7	1	.040			09
10	50	29.940			8															6					10
11	51	29.930			7															5					11
12	49	29.910			7	7	CI	E250												5	6	.040			12
13	47	29.880			3															2					13
14	49	29.870			6															2					14
15	54	29.865			4	4	CI	250												1	6	.045			15
16	54	29.864			3															1					16
17	52	29.870			0															0					17
18	53	29.895			1	1	ST	7												1	3	.020			18
19	51	29.895			3															3					19
20	47	29.905			2															2					20
21	50	29.915			2	2	ST	7												2	1	.025			21
22	46	29.920			3															1					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF GRND.	SOIL TEMP.
	2300 [redacted]								
	[redacted] TO 0444	X	0	0	X	67	63	X	X
	0744	1	0	0	0	67	63		
	0948	2	0	0	0	71	63		
	1540	3	0	0	0	79	70		
	2145	4	0	0	0	78	66		
	2300 [redacted]	X	0	0	0	66	65	X	X

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)	0949	1550	2146
ATT. THERM.			
OBSERVED BAR.			
TOTAL CORR.			
SYM. PRESS.	29.950	29.865	29.910
BAR. READING	29.945	29.835	29.900
BAR. CORR.	+.005	-.010	0

SUMMARY OF DAY [redacted] TO [redacted] (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNOFFICIAL TO [redacted] (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Kts.)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICK. INCR. OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER SUNSET TO [redacted]	WATER EQUIV. (Ins.)	
73	63	0	0	0	12	5	1407					7			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
F	CONT	0840			
H	0805	1135			
K	0840	1135			
H	1440	1710			
F	2115	Cont			

15. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT 0500P @ 1 Sec. / 1000P @ 1 Sec. / 1534P @ 1 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆ U.S. GPO 1983-0-784-008/8088

MF1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: OCT 7 1987

TO CONVERT LST TO GMT: ADD 8 hrs SUBTRACT ____ hrs

TYPE	TIME (GMT)	SKY AND CEILING Hundreds of Feet	VISIBILITY MILES: SURFACE	VISIBILITY MILES: TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. MB	TEMP °F	DEW PT °F	WIND: DIRECTION (TENS OF DEGREES)	WIND: SPEED KNOTS	WIND: CHARACTER	ALTIMETER SETTING INS.	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
SA	0458	M8 OVC	4		F	142	66	63	10	04		995	CIG RGD/ 65	RLW
SP	0517	M7 OVC	4		F				13	04		996	CIG RGD	RLW
SA	0551	-X M7 OVC	3		FH	149	66	62	09	03		997	FH1 CIG RGD TOPS 015	RLW
SP	0613	-X M8 OVC	3		FH				30	03		997	FH1 CIG RGD BINOVC	RLW
													VSBY SE2½	
SP	0641	-X M10 OVC	3		FH				30	05		997	FH1 CIG RGD BINOVC	RLW
SA	0654	-X M10 OVC	3		FH	152	66	62	28	06		998	FH1 CIG RGD BINOVC	RLW
													310 16//	
SP	0734	-X M11 OVC	~~3~~ 2½	~~2~~ 2	HK				30	04		999	HK1 SFC VSBY 3 CIG	RLW
													RGD	
SA	0752	-X M11 OVC	2½	2	HK	157	68	62	28	27		000	HK1 SFC VSBY 2½	RLW
													CIG RGD	
SA	0847	-X M13 OVC	2½	2	HK	163	70	62	24	04		001	HK1 SFC VSBY 2½	RLW
													CIG RGD SML BINOVC	
SP	0922	-X 5 SCT	2½	2	HK				26	04		001	HK1 SFC VSBY 2½	RLW
													SCT V BKN	
SP	0941	-X	3		HK				00	00		001	HK1 SFC VSBY SE2½	RLW
SA	0950	-X	3		HK	163	73	62	19	05		001	HK1 SFC VSBY SE2½	RLW
													10 65	
SA	1053	CLR	5		HK	159	75	63	17	08		000	VSBY LWR SE	RLW
SA	1153	CLR	7			152	76	63	16	08		998		RLW
SA	1247	CLR	12			146	76	62	16	09		996	719	RLW
SA	1349	CLR	15			139	81	60	27	09		994		ML
SA	1449	CLR	15			135	78	60	29	07		993		ML
SA	1549	CLR	14			132	75	61	28	09		992	SC DSNT W/ 7/2 1500 81	AD
SA	1649	CLR	14			132	72	62	29	08		992	SC DSNT W	AD
SA	1747	CLR	10			132	68	62	29	09		992	SC W-N	AD
SA	1849	CLR	10			135	67	62	29	06		993	SC SW-NW/ 303 1500	AD
SA	1950	CLR	8			139	67	62	29	05		994	FEW SC W-NW	AD
SA	2047	CLR	8			142	67	61	28	06		995	SC SW-NW	AD
SA	2149	CLR	8			146	65	61	27	06		996	FEW SC W-NW/ 108	AD
													1500 81	
SA	2247	CLR	8			146	65	61	00	00		996	SC DSNT SW-W LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iR$_I$ihVV Nddff 1s$_n$TTT 2s$_n$T$_d$T$_d$T$_d$ 3P$_o$P$_o$P$_o$P$_o$ 4PPPP 5appp 6RRRt$_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

*U.S.GPO:1983-0-684-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: OCT 7 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Min.)	PRECIPITATION (Ins.)	HR.
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
00																									00
01																									01
02																									02
03																									03
04	48	29.910				10														10					04
05	51	29.930				10														10					05
06	54	29.940				10	1	F	-	10	ST	M10	10							10	3	.030			06
07	52	29.960				10														10					07
08	47	29.970				10														10					08
09	50	29.970				1	1	H	-											1	1	.030			09
10	53	29.960				0														0					10
11	53	29.940				0														0					11
12	49	29.915				0														0	7	.055			12
13	49	29.900				0														0					13
14	49	29.890				0														0					14
15	49	29.880				0	0	SC	12											0	7	.035			15
16	49	29.875				0														0					16
17	47	29.880				0														0					17
18	49	29.890				0	0	SC	12											0	3	.010			18
19	52	29.900				0														0					19
20	47	29.910				0														0					20
21	49	29.915				0	0	SC	15											0	1	.025			21
22	47	29.920				0														0					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.) 2300	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GROUND						SOIL TEMP.			
A1		43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	
	2300 TO 0445	X	0	0	X	66	65	X	X						X			
	0445	1	0	0	0	66	65											
	0948	2	0	0	0	73	65											
	1547	3	0	0	0	81	73											
	2147	4	0	0	0	75	65											
	2300	X	0	0	0	65	65	X	X						X			

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59	0949	1548	2148
ATT. THERM. 60			
OBSERVD. BAR. 61			
TOTAL CORR. 62			
STA. PRESS. 63	29.870	29.880	29.905
BAROGRAPH 64	29.870	29.885	29.905
BAR. CORR. 65	0	-.005	0

SUMMARY OF DAY (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Esc.)	PEAK WIND: DIRECTION	PEAK WIND: TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.): TOP	FROZEN GROUND LAYER (Ins.): BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
81	65	0	0	0	14	W	1359					3			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88
F	CONT	0722			
H	0530	1140			
K	0722	1140			

REMARKS NOTED AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MINS.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0500P @ 1 Sec. / 1000P @ 1 Sec. / 1600P @ 1 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. * U.S.GPO 1983-0-784-006/6089

MF 1-10A
15-831

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)

SURFACE WEATHER OBSERVATIONS

DATE OCT 8 1987

TO CONVERT LST TO GMT ADD 8 HRS. SUBTRACT ____ HRS.

TYPE	TIME (LST)	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles: SURFACE	VISIBILITY Miles: TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. Mbs.	TEMP °F	DEW PT °F	WIND: DIRECTION (10's of Degrees)	WIND: SPEED Kts.	WIND: CHARACTER	ALTIMETER SETTING (Inches)	REMARKS AND SUPPLEMENTAL CODED DATA	QUALITY INDICATOR
SA	1447	M13 OVC	5		H	139	66	61	14	04		994	/CIG RGD/ 64	1KW
SA	0550	M14 OVC	5		H	142	67	60	15	05		995	/CIG RGD TOPS 023	1KW
SP	0625	M15 OVC	5		H				02	05		995	/CIG RGD	1KW
SA	0051	M15 OVC	6		H	142	67	62	17	05		995	/ 103 1511	1KW
SA	0754	M16 OVC	6		H	142	67	59	15	05		995	/TOPS 023	1KW
SA	0852	M18 OVC	6		H	146	68	59	00	00		996		1KW
SA	0950	M21 OVC	6		H	146	70	59	06	04		996	/3NOVC SE TOPS 025	1KW
													103 1511 64	
SA	1048	M21 BKN	7			146	73	60	15	09		996	/FEW LWR SC	1KW
SP	1138	22 SCT	7						17	09		995	/SCT V FEW	1KW
SA	1149	20 SCT	10			142	72	60	18	09		995		1KW
SA	1249	CLR	12			135	73	60	18	07		993	/FEW SC/812 150C	ML
SA	1349	CLR	12			129	72	59	19	06		991		ML
SA	1449	CLR	12			125	72	59	20	06		990		ML
SP	1551	CLR	12			125	70	60	18	06		990	/608 73	AO
SA	1648	CLR	12			125	69	60	15	06		990	/FEW SC SE-S	AO
SA	1747	CLR	12			125	67	61	16	05		990	/FEW SC W	AO
SA	1851	CLR	8			129	67	61	17	05		991	/ 303	AO
L	1924	15 SCT	8						15	05		992		AO
SA	1948	15 SCT	8			132	66	61	13	04		992		AO
SA	2049	CLR	8			139	65	61	11	03		994	/SC DSNT SW-W	AO
SA	2149	11 SCT	7			142	64	60	00	00		995	/112 1500 73	AO
SP	2202	M12 OVC	7						00	00		995	/THN SPOTS 10VC	AO
SA	2248	M14 BKN 20 OVC	7			146	66	61	02	03		996	/LAST	AO

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_n$TTT $2s_n$T$_d$T$_d$T$_d$ $3P_oP_oP_oP_o$ 4PPPP Sappp 6RRRt_R 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

☆U.S.GPO:1983-0-664-008/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: OCT 8 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET PRESSURE CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								M
01																								01
02																								02
03																								03
04	47	29.930				10																		04
05	50	29.910				10														10				05
06	51	29.910				10														10				06
07	54	29.910				10	10	SC	M15											10	1	.010		07
08	52	29.920				10														10				08
09	50	29.920				10														10				09
10	48	29.915				10	10	SC	M21											10	1	.010		10
11	49	29.910				7														7				11
12	49	29.915				4														4				12
13	49	29.865				0	0	SC	2C											6	8	.035		13
14	49	29.860				0														0				14
15	51	29.860				0														0				15
16	48	29.855				0														0	6	.025		16
17	47	29.860				0														0				17
18	51	29.870				0														0				18
19	48	29.880				1														0	3	.010		19
20	49	29.900				0														1				20
21	49	29.905				2	2	SC	11											0				21
22	48	29.920				10														2	1	.035		22
23																				10				23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.) 2300	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	49	STATE OF GRND.	51	52	53	54	55	SOIL TEMP.	57	58
	2300 TO 2344	X	0	0	X	66	64										
	2344	1	0	0	0	66	64										
	0948	3	0	0	0	71	66										
	1548	3	0	0	0	73	70										
	2147	4	0	0	0	70	64										
	2300	X	0	0	0	66	64	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)	0949	1549	2148
ATT. THERM.			
CORR. BAR.			
TOTAL CORR.			
SYA. PRESS.	29.920	29.860	29.905
BAROGRAPH	29.920	29.865	29.905
BAR. CORR.	0	-.005	0

SUMMARY OF DAY (GMT) TO (LST) (2300 P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL MELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Etc.)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER DURATION TO SUNSET	SKY COVER HIGH NIGHT TO HIGH NEXT	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
73	64	0	0	0	14	5	1129					5			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88
H	CONT	1030			

REMARKS, NOTES AND WEATHER AND SKY PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (Hrs.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0500 P @ 1 Sec./1000P @ 1 Sec./1600P @ 1 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆U.S. GPO 1983-0-784-008/8088

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE OCT 9 1987

TO CONVERT LST TO GMT ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles: SURFACE (4)	VISIBILITY Miles: TOWER (4a)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. MSL (6)	TEMP °F (7)	DEW PT °F (8)	WIND DIRECTION from (9)	WIND SPEED Kts. (10)	WIND CHARACTER (11)	ALTIMETER SETTING (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	QUALITY CONTROL (15)
SA	0450	M 23 OVC	7			146	65	58	13	04		996	/SML BINOVC 64	ML
SA	0549	M 23 OVC	7			149	66	58	14	04		997		ML
SA	0649	M 25 OVC	10			152	67	57	15	04		998	/SML BINOVC/SLP 151	ML
SA	0750	M 25 OVC	12			156	67	55	14	05		999	/SML BINOVC TOPS 035	ML
SA	0849	M 23 OVC	12			159	68	56	17	03		000		ML
SA	0950	M 23 OVC	12			163	68	56	15	05		001	/BINOVC 4W/SLP 151 64	ML
SA	1049	M 25 BKN	12			163	69	57	17	07		001		ML
SP	1118	25 SCT	12						16	05		000	/ SCT V BKN	ML
SA	1149	25 SCT	12			159	72	57	15	09		000	/ SCT V BKN	ML
SA	1249	25 C-SCT	12			144	72	57	15	06		997	/FEW SC/ 814 1508	ML
SA	1352	250 - BKN	14			146	72	57	20	06		996	/FEW SC W	AD
SA	1450	250 - SCT	10			142	72	58	18	10		995		AD
SA	1549	250 - SCT	10			142	71	59	18	07		995	/FEW SC W/SC7 150 174	AD
L	1618	25 SCT 250 SCT	12						19	06		995		AD
SA	1649	22 SCT 250 SCT	12			142	70	59	28	08		995		AD
SA	1749	250 - SCT	10			146	67	60	27	07		996	/FEW SC W	AD
SA	1849	250 - BKN	8			146	67	60	29	05		996	/SC W /303 1501	AD
SA	1949	250 - SCT	8			149	66	60	25	05		997	/SC SW-W	AD
SA	2049	250 - SCT	7			152	66	60	31	05		998		AD
SA	2152	250 - BKN	7			156	65	61	30	04		999	/208 / 001 74	AD
SA	2250	250 - SCT	6		H	156	65	61	31	03		999	/ LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_nTTT$ $2s_nT_dT_dT_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRRt_R 7wwW_1W_2 $8N_hC_LC_MC_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

☆U.S.GPO:1983-7-884-008/QC10

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELDT

DATE: OCT 9 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Min.)	PRECIPITATION (Ins.)	HR.
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
00																									00
01																									01
02																									02
03																									03
04	50	29915				10														10					04
05	46	29930				10														10					05
06	46	29940				10	10	SC	M25											10	3	C35			06
07	50	29950				10														10					07
08	49	29960				10														10					08
09	50	29970				10	10	SC	M23											9	2	03C			09
10	49	29970				8														9					10
11	49	29955				5														5					11
12	46	29930				4	0	SC	25	4	CS	250	4							1	8	.040			12
13	52	29915				6														2					13
14	50	29905				2														1					14
15	49	29910				2	0	SC	25	2	CI	250	2							1	5	.020			15
16	49	29910				4														3					16
17	49	29915				4														2					17
18	49	29920				6	0	SC	25	6	CI	250	6							2	3	.010			18
19	49	29930				4														1					19
20	48	29935				3														1					20
21	52	29945				6	6	CI	250											2	2	.025			21
22	50	29950				2														0					22
23																									23

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.) 2360	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.			
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	
	SEE TO 0447	X	0	0	X	67	64	X	X						X			
	0447	1	0	0	0	67	64											
	0947	2	0	0	0	69	65											
	1547	3	0	0	0	74	68											
	2147	4	0	0	0	71	65											
	2360	X	0	0	0	65	65	X	X						X			

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59		0949	1548	2149
ATT. THERM. 60				
OBSERVED BAR. 61				
TOTAL CORR. 62				
STA. PRESS. 63		29.970	29.910	29.945
BAR. GRADIENT 64		29.975	29.910	29.945
BAR. CORR. 65		-.005	0	0

SUMMARY OF DAY (BEGINNING TO MIDNIGHT) (2300 P to 2300 P)

24-HR. MAX. TEMP. (°F) 66	24-HR. MIN. TEMP. (°F) 67	24-HR. PRECIP. WATER EQUIV. (Ins.) 68	24-HR. SNOWFALL UNMELTED (Ins.) 69	SNOW DEPTH (Ins.) 70	PEAK WIND SPEED (Etc.) 71	PEAK WIND DIRECTION 72	PEAK WIND TIME (L.S.T.) 73	THICKNESS OF ICE ON WATER (Ins.) 74	FROZEN GROUND LAYER (Ins.) TOP 75	FROZEN GROUND LAYER (Ins.) BASE 76	RIVER GAGE 77	SKY COVER SUNRISE TO SUNSET 78	SKY COVER MIDNIGHT TO MIDNIGHT 79	WATER EQUIV. (Ins.) 80	81
74	64	0	0	0	12	5	1448					6			

WEATHER & OBSTRUCTIONS TO VISION

TYPE 82	BEGAN 83	ENDED 84	TYPE 85	BEGAN 87	ENDED 88
H	2240	CONT			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME: SUNRISE SUNSET

TOTAL SUNSHINE (Min.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED AND DIRECTION | M.P.H. OR FASTEST MILE | M.P.H. | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0300P ⊕ / Sec. / 1000P ⊕ / Sec. / 1600P ⊕ / Sec.

/ LAST of SEVERAL OCCURRENCES

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ★ U.S. GPO 1983-0-784-008/9088

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: OCT 10 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE (1)	TIME (LST) (2)	SKY AND CEILING Hundreds of Feet (3)	VISIBILITY Miles: SURFACE (4a)	VISIBILITY Miles: TOWER (4b)	WEATHER AND OBSTRUCTIONS TO VISION (5)	SEA LEVEL PRESS. Mbs (6)	TEMP °F (7)	DEW PT °F (8)	WIND DIRECTION (9)	WIND SPEED Kts. (10)	WIND CHARACTER (11)	ALTIMETER SETTING Ins (12)	REMARKS AND SUPPLEMENTAL CODED DATA (13)	OBSERVER'S INITIALS (14)
SA	0450	M 16 CVC	3		H	163	63	59	00	00		001	/ 61	ML
SA	0550	M 16 CVC	3		H	166	64	60	19	03		002		ML
SA	0649	M 16 CVC	4		H	169	65	60	02	03		003	/ 214 151	ML
SA	0750	M 16 CVC	4		H	173	66	59	03	03		004	/ TOPS 027	ML
SA	0850	M 16 CVC	5		H	176	68	58	02	05		005	/ BINOVC OVHD	ML
SP	0912	17 SCT	5		H				07	04		005	/ SCT V BKN	ML
SA	0950	18 SCT	4		H	176	69	58	13	04		005	/ CIG 1500 6/	ML
SA	1049	CLR	5		H	176	75	59	16	05		005	/ FEW 3C	ML
SA	1150	CLR	5		H	173	75	59	25	05		004		ML
SA	1254	CLR	6		H	163	75	59	19	09		021	/ 814	ML
SA	1354	CLR	6		H	159	73	59	18	10		000		RW
SA	1452	CLR	7			159	77	59	25	07		000	/ WND 17V31	RW
SA	1550	CLR	8			156	75	59	29	05		999	/ 807 77	RW
SA	1648	CLR	8			152	73	60	28	05		998		RW
SA	1753	CLR	8			156	68	60	29	08		999		RW
SA	1851	CLR	7			159	66	60	30	06		000	/ 303	RW
SA	1949	CLR	6		H	163	66	60	30	05		001		RW
SA	2047	CLR	5		H	163	65	60	28	05		001		RW
SA	2150	CLR	5		H	166	63	59	28	04		002	/ 307 77	RW
SA	2255	CLR	5		FH	169	63	59	34	03		003	/ LAST	RW

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iR$_i$x$_s$hVV Nddff 1s$_n$TTT 2s$_n$T$_d$T$_d$T$_d$ 3P$_o$P$_o$P$_o$P$_o$ 4PPPP 5appp 6RRRt$_R$ 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

☆U.S.GPO:1983-0-684-005/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: OCT 10 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								
01																								
02																								
03																								
04	SC	29.965				10														10				
05	SC	29.980				10														10				
06	49	29.990				10	10	SC	M16											10	2	.040		
07	50	29.995				10														10				
08	SC	30.010				10														10				
09	SC	30.010				3	3	SC	18											3	1	.025		
10	49	30.010				0														0				
11	50	29.995				0														0				
12	49	29.970				0														0	8	.040		
13	54	29.960				0														0				
14	52	29.960				0														0				
15	50	29.950				0														0	8	.020		
16	48	29.940				0														0				
17	53	29.950				0														0				
18	51	29.960				0														0	3	.010		
19	49	29.965				0														0				
20	47	29.970				0														0				
21	50	29.980				0														0	3	.020		
22	55	29.990				0														0				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.		
41			42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58
	2300																		
	MID. TO 0447	X	0	0	X	65	61	X	X								X		
	0447	1	0	0	0	65	61												
	0947	2	0	0	0	69	63												
	1548	3	0	0	0	77	69												
	2148	4	0	0	0	75	63												
	2300 MID	X	0	0	0	64	63	X	X								X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)	0947	1549	2149
ATT. THERM.			
CORR. SAT.			
TOTAL CORR.			
STA. PRESS.	30.010	29.750	29.780
BAROGRAPH	30.015	29.755	29.785
BAR. CORR.	-.005	-.005	0

SUMMARY OF DAY (2300 P TO 2300 P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Knots)	PEAK WIND: DIRECTION	PEAK WIND: TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.): TOP	FROZEN GROUND LAYER (Ins.): BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: MIDNIGHT TO SUNRISE	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
77	61	0	0	0	14	5	1239					3			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	87	88
H	CONT.	1430			
H	1918	CONT			
F	2230	CONT			

TIME: SUNRISE ____ SUNSET ____

TOTAL SUNSHINE ____ (MIN.) PERCENT OF POSSIBLE SUNSHINE ____ CHARACTER OF SUNRISE ____ CHARACTER OF SUNSET ____

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ M.P.H. OR FASTEST MILE ____ M.P.H. ASSOCIATED DIRECTION ____ TIME ____

TIME CHECK - CLOCK AT: 0530P @ 1 Sec. / 1000P @ 1 Sec. / 1600P @ 1 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. *U.S.GPO 1983-0-784-008/8088

MF1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: OCT 11 1987

TO CONVERT LST TO GMT: ADD 8 hrs SUBTRACT ____ hrs

TYPE	TIME (LST)	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles: SURFACE	VISIBILITY Miles: TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. Mbs	TEMP °F	DEW PT °F	WIND: DIRECTION (00=Calm)	WIND: SPEED Kts.	WIND: CHARACTER	ALTIMETER SETTING Ins	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
	2	3	4	5	6	7	8	9	10	11	12		13	
SA	0450	- X	1 1/2		FH	169	60	54	14	04		003	/ FH 2 6C	ML
SA	0549	- X 1CC SCT	1 1/2		FH	164	60	58	14	03		003	/ FH 2	ML
SA	0650	- X E50 BKN 80 BKN	1 1/2		FH	169	59	53	01	03		003	/ FH1 / 103 1070	ML
SP	0714	- X 80 SCT 150 SCT	2 1/2		HK				11	03		005	/ HK1	ML
SA	0750	- X 100 SCT	2 1/2		HK	180	64	59	05	03		006	/ HK1	ML
SP	0800	- X E100 BKN	3		HK				15	03		006	/ HK1	ML
SA	0849	- X E 80 BKN	3		HK	183	66	58	12	03		007	/ HK1	ML
SA	0950	- X E60 BKN 100 OVC	3		HK	186	69	58	14	05		008	/ HK1 B ~~0950~~ N / 217	ML
													157 / 59	
SP	0958	- X E60 BKN 800 OVC	2		R-HK				15	09		009	/ RHK1	ML
SP	1062	- X E60 BKN 800 OVC	3		R-HK				15	07		009	/ RHK1	ML
SA	1049	E50 BKN 120 ~~OVC~~ BKN	5		HK	183	68	62	03	07		007	/ PR1754 E15 TCU ~~AND~~	ML
													AND SE	
SA	1149	60 SCT E 120 OVC	12			176	74	61	35	04		005	/ B ~~1149~~ OVC TCU E	ML
SA	1249	60 SCT E100 BKN	10			164	78	58	33	05		003	/ B1702 127C TCU N	ML
SA	1353	E60 BKN 100 OVC	5		H	183	72	63	16	14		007	/ RB2053 E04 RWY ALGS SYS	KW
													PRESRR	
SA	1455	E60 BKN 100 BKN	5		RW-H	180	68	64	14	08		006	/ CB NE-SE MOVG N	KW
													RB00 RW- ONLY RW	
													VSBY LWR SE-S	
SP	1520	8 SCT E50 BKN 100 BKN	5		RW-FH				05	05		005	/ CB NE-SE MOVG N CB	KW
													S-SW MOVG N	
SA	1550	8 SCT M40 BKN 80 OVC	15			176	68	65	20	06		005	/ CB S-SW MOVG NW	KW
													RE28 RWY DSNT SE-S	
													00704 157 / 79	
SP	1618	15 SCT E30 BKN 45 OVC	2 1/2		RW-F				23	03		005	/ SCT V BKN	KW
SP	1630	- X 15 SCT E30 BKN 45 OVC	2		RW-F				25	03		005	/ RF1 SCT V BKN VSBY	KW
													W-N2 1/2 SE-S 1/2	
SP	1642	- X 15 SCT M28 BKN 40 OVC	2		R-F				26	03		005	/ RF1 VSBY N2 1/2 SE3	KW
													PCPN VRY LGT	
SA	1652	- X 10 SCT M28 BKN 40 OVC	2		R-F	176	67	65	17	05		005	/ RF1 * VSBY W-N2 1/2	KW
													SE3 * RB05	
SP	1659	10 SCT M28 BKN 40 BKN 80 OVC	2 1/2		R-F				00	00		005	/ VSBY W-N3 SE4	KW
SP	1726	10 SCT M28 BKN 40 OVC	3		F				24	04		005	/ CIG RG D	KW
SA	1751	10 SCT M28 BKN 40 OVC	3		R-F	176	67	65	26	04		005	/ RE14 B38 VSBY SW-W2 1/2	KW
SA	1848	10 SCT M28 OVC	3		F	173	68	66	28	04		004	/ RE10 / 80302 151 /	KW
SP	1916	28 SCT M40 OVC	4		FH				27	04		004		KW
SA	1954	25 SCT M35 OVC	5		FH	173	68	66	28	05		004		KW
SA	2047	25 SCT M35 OVC	5		FH	173	69	66	27	08		004		KW
SA	2150	35 SCT	5		FH	166	68	66	31	04		002	/ 80702 1500 79	KW
SA	2249	- X 10 SCT E30 OVC	3		FH	169	68	66	26	05		003	/ FH1 VSBY W-N2 1/2	KW
													LAST	

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3PoPoPoPo 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-82) WHICH MAY BE USED.

☆U.S.GPO 1983-0-684-008/6010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: OCT 11 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								
01																								
02																								
03																								
04	29.940				2															2				
05	29.980				5															4				
06	29.990				7	1	F	—	5	AC	050	6	1	AC	150	7				7	1	.010		
07	30.015				5															5				
08	30.025				9															9				
09	30.040				10	1	14	—	6	SC	060	7	3	AC	100	10				9	2	.050		T
10	30.020				9															9				.02
11	30.010				10															9				
12	29.990				9	1	TCU	60	8	AC	100	9								9	8	.050		T
13	30.030				10															10				T
14	30.020				9															9				.02
15	30.010				10	1	STFRA	8	7	SC	M40	8	2	AC	80	10				10	0	.020		T
16	30.010				10															10				.02
17	30.010				10															10				T
18	30.000				10	3	STFRA	10	10	SC	M28	10								10	8	.010		T
19	30.000				10															10				
20	30.000				10															10				
21	29.980				3	3	SC	35												3	8	.020		
22	29.990				10															10				
23																								

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GRND.						SOIL TEMP.			
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	
	2300 AND TO 0447	X	0	0	X	63	60	X	X						X			
	0447	1	0	0	0	64	60											
	0947	2	0	0	0	69	59											
	1548	3	.04	0	0	79	67											
	2148	4	.02	0	0	69	67											
	2300	X	0	0	0	68	68	X	X						X			

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59		0949	1549	2149
ATT. THERM. 60				
OBSERVE. SAR. 61				
TOTAL CORR. 62				
STA. PRESS. 63		30.040	30.010	29.980
BAROGRAPH 64		30.040	30.010	29.980
BAR. CORR. 65		0	0	0

SUMMARY OF DAY (2300 P TO 2300 P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Etc.)	PEAK WIND DIR. 10's	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY OF TEN SUNRISE TO SUNSET	SKY OF TEN MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
79	59	.06	0	0	20	5	1403					9			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	86	87	88
F	CONT	0710			
H	CONT	1115			
K	0710	1115			
R-	0954	1015			
RW-	1253	1304			
H	1320	1530			
RW-	1400	1443			
RW	1443	1449			
RW-	1449	1528			
F	1515	1530			
RW-	1605	1635			
F	1610	CONT			
R-	1635	1714			
R-	1738	1810			
H	1908	CONT			

91. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME. SUNRISE ____ SUNSET ____

TOTAL SUNSHINE (MIN.)	PERCENT OF POSSIBLE SUNSHINE	CHARACTER OF SUNRISE	CHARACTER OF SUNSET

FASTEST OBSERVED 2-MINUTE WIND SPEED	M.P.H. OR FASTEST MILE	M.P.H.	ASSOCIATED DIRECTION	TIME

TIME CHECK - CLOCK AT: 0500 P E / Sec. / 1000 P E / Sec. / 1600 P @ 2 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. * U.S. GPO: 1983-0-784-008/8088

MF1-10A
15-831

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: OCT 12 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING Hundreds of Feet	VISIBILITY Miles: SURFACE	VISIBILITY Miles: TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. Mbs.	TEMP °F	DEW PT °F	WIND: DIRECTION 00-36	WIND: SPEED Kts.	WIND: CHARACTER	ALTIMETER SETTING Ins.	REMARKS AND SUPPLEMENTAL CODED DATA	STATION IDENTIFICATION
		3	4a	4b	5	6	7	8	9	10	11	12	13	14
SA	0456	M45OVC	5		FM	156	67	65	01	03		999	/ 66 2 OOCE	RMS
SP	0530	M12BKN 45OVC	5		FM				33	04		999	/Thunderstorm in ENE	RMS
SA	0548	M12BKN 45OVC	3		FM	156	68	65	CO	CO		999	/Mid clds ESE	RMS
SP	0615	12SCT E45OVC	2½		FM				26	03		999		RMS
SA	0656	13 SCT E50BKN 100OVC	2½		FM	159	69	66	24	05		000	/ 5CC 157	RMS
SP	0730	M11BKN 50OVC	4	2½	FM				28	04		000	/SFC vsby 4 Tops Lwr 4R	RMS
					R								015	—
SA	0755	M10BKN 50OVC	4	2½	FM	159	69	65	28	05		000	*Tops Lwr 4 025 *SFC vsby 4	RMS
SP	0802	M10BKN 50OVC	4	3	FM				25	04		001	SFC vsby 4	RMS
SA	0854	M11OVC	5		FM	166	69	64	28	06		002		RMS
SP	0954	M13 OVC	6		H	166	69	64	27	04		002	/ 107 15// 66	RMS
SA	1055	M13OVC	6		H	166	70	64	18	05		002		RMS
SP	1146	M11OVC	6		H	166	69	64	20	06		002		RMS
SA	1251	M12OVC	5		RW-H	152	71	65	14	06		998	/R335 /R1500 15//	RMS
SP	1331	M16OVC	14						17	06		998		RMS
SA	1348	1154 M20OVC	14			152	69	64	20	06		948	/RE05	RMS
SP	1423	15SCT E100BKN	15						24	05		999	/SCT vBKN	RMS
SA	1446	15SCT E100BKN	15			152	73	64	17	05		998		RMS
SA	1552	60SCT 80SCT	15			149	71	59	14	07		997	/FEW MDT CU W-N-E/ 802 CB/ 870 73	AD
SA	1650	60SCT 100SCT	20			146	71	55	17	04		996	/FEW MDT CU NW-N	AD
SA	1750	60SCT	15			146	67	61	20	04		996	/FEW MDT CU NW-NE SC	AD
SA	1849	100 SCT	15			149	66	59	19	04		997	/FEW SC SW-W / 502 / 47C	AD
SA	1949	CLR	12			149	65	61	CO	CO		997	/SC AC SW-W	AD
SP	2049	11 SCT	10			149	64	61	30	04		997		AD
SA	2149	CLR	10			149	63	61	28	04		997	/SC SW-W / 102 / 50073	AD
SA	2248	CLR	8			149	63	61	11	03		997	/ LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following colored Basic observation.

FM12-VII: IIiii $i_R i_x$hVV Nddff $1s_n$TTT $2s_n$$T_d$$T_d$$T_d$ $3P_oP_oP_oP_o$ 4PPPP 5appp 6RRRt_R 7wwW$_1$W$_2$ 8N$_h$C$_L$C$_M$C$_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

*U.S.GPO:1983-0-664-035/8010

MF1-10B (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: OCT 12 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (L.S.T.)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)	HR.
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
00																									00
01																									01
02																									02
03																									03
04	56	29.980				10														10					04
05	48	29.950				10														9					05
06	56	29.960				10	2	SC	13	7	SC	E50	9	2	AC	100	10				10	5	.000			06
07	55	29.960				10														10					07
08	54	29.980				10														10					08
09	54	29.980				10	10	SC	M13											M	1	.020			09
10	53	29.980				10														10					10
11	46	29.980				10														10					11
12	51	29.935				10	10	SC	M12											10	8	.045		T	12
13	48	29.940				10														10				T	13
14	46	29.940				7														7					14
15	52	29.930				3	0	CL	20	2	SC	6C	2	1	AC	80	3			3	8	.005			15
16	50	29.920				2														2					16
17	50	29.920				1														1					17
18	49	29.925				1	0	SC	15	1	AC	100	1							1	5	.005			18
19	49	29.925				0														0					19
20	49	29.930				3														2					20
21	49	29.930				0	0	SC	12											0	1	.005			21
22	48	29.930				0														0					22
23																									23
																									24

SYNOPTIC OBSERVATIONS

TIME (G.M.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF GROUND	SOIL TEMP.	STATION PRESSURE COMPUTATIONS			
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58				
	1200 TO 0452	X	0	0	X	68	66	X	X						X			TIME (L.S.T.) 59		0947	1548	2148
	0452	1	0	0	C	68	66											ATT. THERM. 60				
	0947	2	0	0	0	69	67											OBSERVED BAR. 61				
	1548	3	T	C	C	73	69											TOTAL CORR. 62				
	2147	4	0	0	C	71	63											STA. PRESS. 63		29.980	29.930	29.930
	2360	X	0	0	0	63	62	X	X						X			WATERGRAPH 64		29.980	29.940	29.935
																		BAR. CORR. 65		0	-.010	-.005

SUMMARY OF DAY (2300 P TO 2300 P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNOFFICIAL (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Etc.)	PEAK WIND DIRECTION	PEAK WIND TIME (L.S.T.)	THICKNESS OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER MIDNIGHT TO MIDNIGHT (LST)	WATER EQUIV. (Ins.)	
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81
73	62	T	0	0	13	SE	1311					8			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	86	87	88
F	CONT	0930			
H	CONT	1320			
RW-	1235	1305			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME. SUNRISE SUNSET

TOTAL SUNSHINE (MIN.)	PERCENT OF POSSIBLE SUNSHINE	CHARACTER OF SUNRISE	CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED	M.P.H.	OR FASTEST MILE	M.P.H.	ASSOCIATED DIRECTION	TIME

TIME CHECK - CLOCK AT: 0500P ± 1 Sec. / 0930P ± 1 Sec. / 1600P ± 1 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED. ☆U.S.GPO 1983-0-784-008/8088

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: OCT 13 1987

TO CONVERT LST TO GMT: ADD 8 hrs SUBTRACT ____ hrs

TYPE	TIME (GMT)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY Miles: SURFACE	VISIBILITY Miles: TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (MB)	TEMP (°F)	DEW PT (°F)	WIND: DIRECTION (10's of Degrees)	WIND: SPEED (Knots)	WIND: CHARACTER	ALTIMETER SETTING (Ins.)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
		3	4a	4b	5	6	7	8	9	10	11	12	13	15
SA	0447	M10 OVC	7			146	61	60	00	00		996	/ CIG RGD / 60	RKW
SA	0553	10 SCT M19 OVC	6		H	146	62	59	12	03		996	/ SCT V BKN CIG RGD	RKW
													SML BNDVC OVHD TOPS 030	
SA	0654	13 SCT M20 OVC	5		H	149	64	60	06	04		997	/ CIG RGD BNDVC / 30	RKW
													15//	
SA	0748	15 SCT M21 BKN	4		H	152	65	60	12	05		998	/ CIG LWR SW	RKW
SA	0851	15 SCT E21 BKN	4		H	152	69	61	16	05		998		RKW
SA	0950	E17 BKN 25 OVC	6		H	152	69	61	17	07		998	/ MDT CU ALRDS AND	RKW
													OVHD TOPS OF OVC 033	
													103 1811 60	
SA	1052	18 SCT E24 OVC	7			152	70	61	18	09		998	/ SCT V BKN	RKW
SA	1153	17 SCT E26 BKN	10			149	70	62	17	12		997		RKW
SP	1231	17 SCT 30 SCT	12						19	10		996		RKW
SA	1252	17 SCT 30 SCT	12			142	72	61	19	09		995	/ 810 1800	RKW
SA	1344	17 SCT 30 SCT	12			139	71	60	19	08		994		ML
SA	1444	17 SCT	14			139	71	60	22	07		994		ML
SA	1557	17 SCT 30 SCT	14			135	70	59	20	06		993	/ 808 1500 73	AD
SA	1649	E30 BKN	14			132	70	59	18	05		992	/ FEW LWR SC	AD
L	1725	M42 BKN	12						22	06		993	/ FEW LWR SC	AD
SA	1749	42 - SCT	8			135	68	59	20	03		993	/ FEW LWR SC	AD
SA	1850	E42 BKN	8			139	66	60	30	05		994	/ 30 S 1500	AD
SA	1948	42 SCT	7			142	66	60	32	04		995		AD
SA	2050	40 SCT	7			146	65	60	32	03		996		AD
SA	2152	40 - SCT	7			146	64	60	33	03		996	/ 107 1500 73	AD
SA	2248	40 - BKN	6		H	146	64	60	00	00		996	/ LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII: IIiii $i_R i_g$hVV Nddff $1s_n$TTT $2s_n T_d T_d T_d$ $3P_o P_o P_o P_o$ 4PPPP Sappp 6RRRt_R 7ww$W_1 W_2$ $8N_h C_L C_M C_H$ plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

* U.S.GPO 1985-0-484-008/8010

MF1-108 (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: OCT 13 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR. CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
00																								
01																								
02																								
03																								
04	47	29.920				10															10				
05	53	29.920				10															10				
06	54	29.930				10	4	SC	13	6	SC	M20	10								10	3	.015		
07	48	29.940				8															8				
08	51	29.940				7															6				
09	50	29.940				10	7	CU	E17	3	SC	25	10								10	1	.010		
10	52	29.940				10															10				
11	53	29.930				8															8				
12	52	29.910				3	1	CU	17	2	SC	30	3								3	8	.030		
13	49	29.900				3															3				
14	49	29.900				3															3				
15	51	29.885				3	1	SC	17	2	SC	30	3								7	8	.025		
16	49	29.880				4															9				
17	49	29.880				3															1				
18	50	29.900				9	9	SC	E42												7	3	.015		
19	48	29.910				4															3				
20	50	29.920				1															1				
21	52	29.920				3	3	SC	40												1	1	.020		
22	46	29.920				8															4				
23																								

SYNOPTIC OBSERVATIONS

TIME (GMT)	TIME (LST)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)	STATE OF GRND.	SOIL TEMP.
	2300								
	0744		0	0		63	60		
	0944	1	0	0	0	63	60		
	0948	2	0	0	0	69	61		
	1547	3	0	0	0	73	68		
	2148	4	0	0	0	71	64		
	2300		0	0	0	64	64		

STATION PRESSURE COMPUTATIONS

TIME (LST)	0949	1549	2149
ATT. THERM.			
OBSERVG. BAR.			
TOTAL CORR.			
EVAL. PRESS.	29.940	29.885	29.920
STA. GRAPH	29.950	29.895	29.920
BAR. CORR.	-.010	-.005	0

SUMMARY OF DAY (23rd P TO 23rd P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNMELTED (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND SPEED (Etc.)	PEAK WIND DIR.	PEAK WIND TIME (LST)	THICK. FROZEN GRD. OR ICE ON WATER (Ins.)	FROZEN GROUND LAYER (Ins.) TOP	FROZEN GROUND LAYER (Ins.) BASE	RIVER GAGE	SKY COVER SUNRISE TO SUNSET	SKY COVER HIGHEST TO LOWEST	WATER EQUIV. (Ins.)	
73	60	0	0	0	17	5	1152					7			

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
H	0530	1027			
H	2240	CONT			

SUNRISE, SUNSET AND TWILIGHT PERIODS

TIME	SUNRISE	SUNSET
TOTAL SUNSHINE	(MIN.)	PERCENT OF POSSIBLE SUNSHINE	CHARACTER OF SUNRISE	CHARACTER OF SUNSET
FASTEST OBSERVED WIND (M.P.H. AND DIR.)	M.P.H.	OR FASTEST MILE	M.P.H.	ASSOCIATED DIRECTION	TIME

TIME CHECK - CLOCK AT 0500P @2 Sec. / 1000P @2 Sec. / 1600 @2 Sec.

SP=

RS=

MF1-108 (10-83) SUPERSEDES MF1-108 (1-82) WHICH MAY BE USED ▸U.S.GPO 1983-0-784-005/6088

MF1-10A (5-831)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: OCT 14 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING Hundreds of Feet (31)	VISIBILITY Miles (41)	(42)	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS.	TEMP °F	DEW PT °F	WIND DIRECTION (00-36)	WIND SPEED Knots	WIND CHARACTER	ALTIMETER SETTING (Hg)	REMARKS AND SUPPLEMENTAL CODED DATA (10)	(101)
SA	0447	M15 OVC	5		FH	142	61	60	00	00		995	/CIG RGD THN SCT	PL
													INCR / 60	
SA	0554	M17 OVC	3		FH	142	63	60	35	04		995	/CIG RGD TOPS 033	RLW
SP	0649	M18 OVC	3		FH	146	64	60	12	05		996	/CIG RGD BINOVC SCTD	RLW
													VSBY SE-S 2½ / 305 1511	
SP	0718	M19 OVC	2½		FH				02	03		996	/CIG RGD TOPS 028	RLW
SA	0751	-X M19 OVC	2½		HK	149	67	61	12	03		997	/HKI VSBY SE-S2	RLW
SA	0851	-X 17 SCT M22 OVC	2½		HK	149	68	60	00	00		997	/HKI VSBY SE-S2	RLW
SA	0950	-X 17 SCT M22 OVC	2½		HK	149	69	60	00	00		997	/HKI / 105 1511 60	RLW
SP	1040	19 SCT M23 OVC	3		HK				21	03		996		RLW
SA	1053	19 SCT M23 OVC	3		HK	146	71	57	00	00		996	/TOPS 033	RLW
SA	1148	M23 OVC	4		HK	142	72	59	36	03		995	/SML BINOVC OVHD	RLW
SA	1249	E25 BKN	4		HK	132	72	60	19	09		992	/CIG LWR SW/ 817 1500	RLW
RS	1350	25 SCT	5		HK	129	72	59	15	08		991	/ SCT V BKN	ML
SA	1449	25 SCT	6		HK	125	72	60	25	07		990	/ SCT V BKN	ML
SA	1549	25 SCT	5		HK	125	71	60	26	08		990	/607 1500 73	AD
SA	1649	CLR	6		HK	129	68	59	26	07		991	VFEW SC	AD
SA	1750	CLR	6		HK	129	66	59	27	06		991		AD
SA	1849	CLR	6		HK	132	65	59	27	05		992	/307	AD
SA	1948	CLR	5		HK	135	65	59	30	03		993		AD
SA	2048	CLR	5		HK	139	64	59	31	04		994		AD
SA	2150	CLR	3		FH	139	62	59	00	00		994	/107 73	AD
SA	2249	-X	3		FH	139	63	59	00	00		994	/FH1	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII Iliii ipixhVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-68) WHICH MAY BE USED.

U.S. GPO 1983-0-484-008/6010

MF1-10B
(10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: OCT 14 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

CLOUDS AND OBSCURING PHENOMENA

TIME (L.S.T.) 16	STATION PRESSURE (ins.) 17	DRY BULB (°F) 18	WET BULB (°F) 19	REL. HUMIDITY (%) 20	TOTAL SKY COVER 21	LOWEST LAYER AMT 22	TYPE 23	HEIGHT 24	SECOND LAYER AMT 25	TYPE 26	HEIGHT 27	SUMMATION TOTAL 28	THIRD LAYER AMT 29	TYPE 30	HEIGHT 31	SUMMATION TOTAL 32	FOURTH LAYER AMT 33	TYPE 34	HEIGHT 35	TOTAL OPAQUE SKY COVER 36	PRESSURE TENDENCY 37	NET 3 HR. CHANGE (ins.) 38	SUNSHINE 39	PRECIPITATION (ins.) 40	HR.
00																									00-01
01																									01-02
02																									02-03
03																									03-04
04 47	29.910				10															9					04-05
05 54	29.910				10															10					05-06
06 49	29.915				10	10	SC	M18												10	3	.015			06-07
07 51	29.930				10															10					07-08
08 51	29.930				10															10					08-09
09 50	29.930				10	1	H	–	2	SC	17	3	7	SC	M22	10				10	1	.015			09-10
10 53	29.920				10															10					10-11
11 48	29.910				10															10					11-12
12 49	29.880				9	9	SC	E25												7	8	.050			12-13
13 50	29.865				5															–					13-14
14 49	29.860				5															5					14-15
15 49	29.860				1	1	SC	25												1	6	.020			15-16
16 49	29.865				0															0					16-17
17 50	29.870				0															0					17-18
18 49	29.880				0															0	3	.020			18-19
19 48	29.890				0															0					19-20
20 48	29.900				0															0					20-21
21 50	29.900				0															0	1	.020			21-22
22 49	29.895				1															1					22-23
23																									23-24

SYNOPTIC OBSERVATIONS

TIME (G.M.T.) 41	TIME (L.S.T.) 2300 42	NO. 43	PRECIP. (ins.) 44	SNOW FALL (ins.) 45	SNOW DEPTH (ins.) 46	MAX. TEMP. (°F) 47	MIN. TEMP. (°F) 48	49	STATE OF GRND. 50	51	52	53	54	55	SOIL TEMP. 56	57	58
	TO 0444	X	0	0	X	64	60	X	X						X		
	0444	1	0	0	0	64	60										
	0948	2	0	0	0	69	61										
	1547	3	0	0	0	73	69										
	2147	4	0	0	0	71	62										
	2300	X	0	0	0	63	62	X	X						X		

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.) 59		0949	1548	2149
ATT. THERM. 60				
CORREC. BAR. 61				
TOTAL CORR. 62				
STA. PRESS. 63		29.930	29.860	29.900
BAROGRAPH 64		29.935	29.865	29.900
BAR. CORR. 65		-.005	-.005	0

SUMMARY OF DAY [redacted] TO [redacted] (2300P TO 2300P)

24-HR. MAX. TEMP. (°F) 66	24-HR. MIN. TEMP. (°F) 67	24-HR. PRECIP. WATER EQUIV. (ins.) 68	24-HR. SNOWFALL UNMELTED (ins.) 69	SNOW DEPTH (ins.) 70	PEAK WIND SPEED (Kts.) 71	PEAK WIND DIRECTION 72	PEAK WIND TIME (L.S.T.) 73	THICKNESS OF ICE ON WATER (ins.) 74	FROZEN GROUND LAYER TOP 75	FROZEN GROUND LAYER BASE 76	RIVER GAGE 77	SKY COVER SUNRISE TO SUNSET 78	SKY COVER MIDNIGHT TO MIDNIGHT 79	WATER EQUIV. (ins.) 80	81
73	60	0	0	0	14	SE	1418					7			

WEATHER & OBSTRUCTIONS TO VISION

TYPE 82	BEGAN 83	ENDED 84	TYPE 85	BEGAN 87	ENDED 88
H	CONT	CONT			
F	CONT	0735			
K	0735	2130			
F	2130	CONT			

90. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) PERCENT OF POSSIBLE SUNSHINE CHARACTER OF SUNRISE CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED M.P.H. OR FASTEST MILE M.P.H. ASSOCIATED DIRECTION TIME

TIME CHECK - CLOCK AT 0500P ± 0 Sec./1000P ± 0 Sec./1600P ± 0 Sec.

SP=

RS=

MF1-10B (10-83) SUPERSEDES MF1-10B (1-82) WHICH MAY BE USED

U.S. GPO 1983-0-784-008/8088

MF 1-10A (5-83)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STAY ON: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: OCT 15 1987

TO CONVERT LST TO GMT: ADD 8 hrs. SUBTRACT ____ hrs.

TYPE	TIME (LST)	SKY AND CEILING (Hundreds of Feet)	VISIBILITY (Miles) SURFACE	VISIBILITY (Miles) TOWER	WEATHER AND OBSTRUCTIONS TO VISION	SEA LEVEL PRESS. (Mb)	TEMP (°F)	DEW PT (°F)	WIND DIR. (Tens of Degrees)	WIND SPEED (Knots)	WIND CHARACTER	ALTIMETER SETTING (Inches)	REMARKS AND SUPPLEMENTAL CODED DATA	OBSERVER'S INITIALS
	2	3	4a	4b	7	8	9	10	11	12	13a	13b		
SA	0447	-X M13 OVC	2½		FH	137	65	60	32	03		994	/FH2 CIG RGD VSBY	ZKW
													SE3/ 62	
SA	0555	-X M14 OVC	2½		FH	139	65	60	01	03		994	/FH2 CIG RGD VSBY	ZKW
													W-N2 TOFS 027	
SP	0603	-X M14 OVC	2		FH				11	04		994	/FH2 CIG RGD VSBY	ZKW
													SE-S1½	
SA	0651	-X M14 OVC	2		FH	146	65	60	01	04		996	/FH2 CIG RGD VSBY	ZKW
													SE-SW1½ / 314 1611	
SP	0718	-X M15 OVC	2		FH				14	03		997	/FH2	ZKW
SA	0752	-X M17 OVC	2		FH	152	66	60	05	03		998	/FH2	ZKW
SA	0853	-X M19 OVC	2		HK	156	67	60	05	03		999	/HK2 TOFS 028	ZKW
SA	0950	-X 15 SCT M19 OVC	2		HK	159	68	59	14	04		000	/HK1 VSBY W-N2½ / 214	ZKW
													1511 62	
SP	1033	-X M20 OVC	2½		HK				09	03		000	/HK1	ZKW
SA	1048	-X M20 OVC	2½		HK	159	69	60	14	04		000	/HK1 VSBY SE3 TOFS 029	ZKW
SA	1154	-X M20 OVC	2½		HK	156	70	59	07	04		999	/HK1 VSBY SE3 TOFS 030	ZKW
SP	1240	M22 OVC	3		HK				21	03		997	/SML BINOVC OVHD	ZKW
SA	1249	M23 OVC	4		HK	149	70	60	16	07		997	/SML BINOVC OVHD / 810	ZKW
													1511	
SA	1353	E23BMN	4		HK	142	72	60	14	08		995		JMS
SP	1430	23SCT	4		HK				21	02		994		JMS
SA	1536	-X	3		HK	139	71	59	26	06		994	HK1	JMS
SA	1549	CLR	4		HK	139	70	59	19	08		994	/ 612 72	AD
SA	V647	-X	3		HK	135	69	59	28	06		993	/HK1	AD
SA	1747	-X	4		HK	142	66	59	28	06		995	/HK1	AD
SA	1852	-X	4		HK	146	64	59	27	07		996	/HK1 / 308	AD
SA	V950	CLR	5		HK	149	64	59	30	04		997		AD
SA	2047	CLR	6		HK	152	63	58	30	04		998		AD
SA	2149	CLR	6		HK	156	62	58	30	04		999	/108 72	AD
SA	2248	CLR	5		HK	156	62	58	00	00		999	/LAST	AD

A synoptic observation using WMO code FM12-VII, as described in FMH-2, is entered on line following related Basic observation.

FM12-VII IIiii iRixhVV Nddff 1snTTT 2snTdTdTd 3P0P0P0P0 4PPPP 5appp 6RRRtR 7wwW1W2 8NhCLCMCH plus regional and national data groups.

SUPERSEDES MF 1-10A (1-83) WHICH MAY BE USED.

*U.S.GPO:1983-0-684-008/6010

MF1-108 (10-83)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL WEATHER SERVICE

SURFACE WEATHER OBSERVATIONS

STATION: LONG BEACH, CALIF. (DAUGHERTY FIELD)

DATE: OCT 15 1987

To convert LST to GMT ADD 8 hrs. SUBTRACT ____ hrs.

TIME (LST)	STATION PRESSURE (Ins.)	DRY BULB (°F)	WET BULB (°F)	REL HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT	LOWEST LAYER TYPE	LOWEST LAYER HEIGHT	SECOND LAYER AMT	SECOND LAYER TYPE	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT	THIRD LAYER TYPE	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT	FOURTH LAYER TYPE	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER	PRESSURE TENDENCY	NET 3-HR CHANGE (Ins.)	SUNSHINE (Hrs.)	PRECIPITATION (Ins.)
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								HR.
01																								01
02																								02
03																								03
04	47	29.895			10															10				04
05	55	29.900			10															10				05
06	51	29.920			10	2	F	-	10	ST	M14	10								10	3	.040		06
07	52	29.940			10															10				07
08	53	29.950			10															10				08
09	50	29.960			10	1	H	-	2	SC	15	3	7	SC	M19	10				10	2	.040		09
10	48	29.960			10															10				10
11	54	29.950			10															10				11
12	49	29.930			10	10	SC	M23												10	8	.030		12
13	57	29.910			8															8				13
14	52	29.900			1															1				14
15	49	29.895			0															0	6	.035		15
16	47	29.890			1															1				16
17	47	29.905			1															1				17
18	52	29.920			1	1	H	-												1	3	.025		18
19	50	29.930			0															0				19
20	47	29.940			0															0				20
21	44	29.945			0															0	1	.025		21
22	48	29.950			0															0				22
23																								23

SYNOPTIC OBSERVATIONS

TIME (G.S.T.)	TIME (L.S.T.)	NO.	PRECIP. (Ins.)	SNOW FALL (Ins.)	SNOW DEPTH (Ins.)	MAX. TEMP. (°F)	MIN. TEMP. (°F)		STATE OF GROUND							SOIL TEMP.			
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58		
	2300 TO 0444	X	0	0	X	65	62	X	X						X				
	0444	1	0	0	0	65	62												
	0948	2	0	0	0	68	64												
	1547	3	0	0	0	72	68												
	2147	4	0	0	0	71	62												
	2300	X	0	0	0	63	62	X	X						X				

STATION PRESSURE COMPUTATIONS

TIME (L.S.T.)		0749	1548	2148
ATT. THERM.				
OBSERVE. BAR.				
TOTAL CORR.				
STA. PRESS.	29.960	29.875	29.945	
BAROGRAPH	29.960	29.900	29.945	
BAR. CORR.	0	-.005	0	

SUMMARY OF DAY [redacted] TO [redacted] (2300P TO 2300P)

24-HR. MAX. TEMP. (°F)	24-HR. MIN. TEMP. (°F)	24-HR. PRECIP. WATER EQUIV. (Ins.)	24-HR. SNOWFALL UNREL. TO (Ins.)	SNOW DEPTH (Ins.)	PEAK WIND: SPEED (Knots)	PEAK WIND: DIRECTION	PEAK WIND: TIME (L.S.T.)	THICK. OF ICE ON WATER (Ins.)	FROZEN GROUND LAYER: TOP	FROZEN GROUND LAYER: BASE	RIVER GAGE	SKY COVER: SUNRISE TO SUNSET	SKY COVER: MIDNIGHT TO MIDNIGHT	WATER EQUIV. (Ins.)		
66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	
72	62	0	0	0	13	5	1346					7				

WEATHER & OBSTRUCTIONS TO VISION

TYPE	BEGAN	ENDED	TYPE	BEGAN	ENDED
82	83	84	85	86	87
F	CONT	0805			
H	CONT	CONT			
K	0805	CONT			

9. REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

TIME. SUNRISE SUNSET

TOTAL SUNSHINE (MIN.) | PERCENT OF POSSIBLE SUNSHINE | CHARACTER OF SUNRISE | CHARACTER OF SUNSET

FASTEST OBSERVED 1-MINUTE WIND SPEED ____ MI/H OR ____ KNOTS | FASTEST MI/H OR KNOTS | ASSOCIATED DIRECTION | TIME

TIME CHECK - CLOCK AT: 0500P ±0 Sec./1000P ±0 Sec./1600P ±1 Sec.

SP=

RS=

MF1-108 (10-83) SUPERSEDES MF1-108 (1-82) WHICH MAY BE USED. ★U.S.GPO 1983-0-784-008/8088