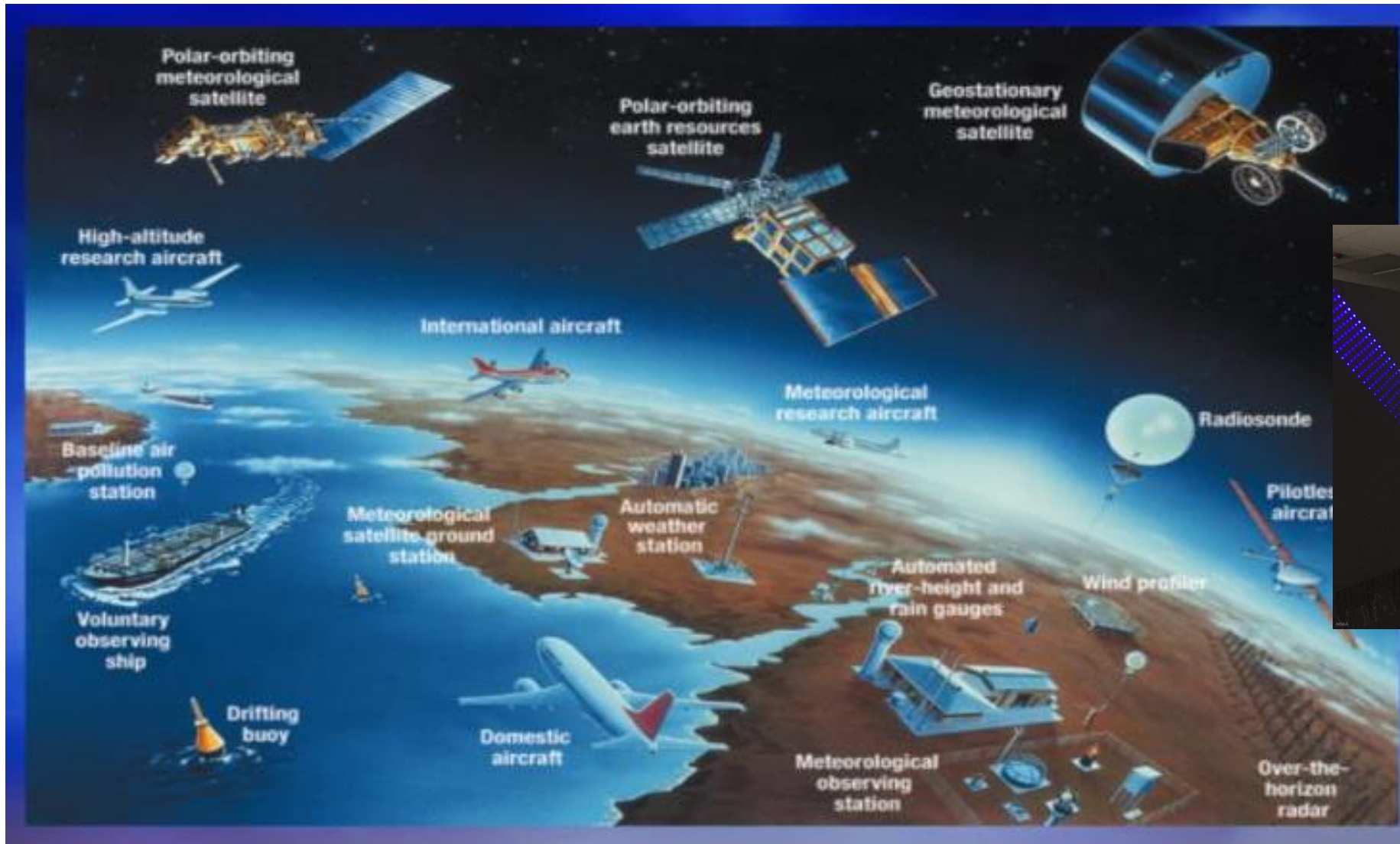


PRIVATE PILOT COURSE

AVIATION WEATHER SERVICES



SOURCES OF WEATHER INFORMATION



SURFACE OBSERVATIONS



CLOUD COVERAGE

5/8 to 7/8 Cloud Coverage = Broken

4000' AGL
5/8 - Broken



Cloud Bases

KGFK 250053Z 28007KT 10SM

BKN070 08/05 A3011



Cloud Bases at 7,845' MSL

Clouds Reported
Broken at 7,000' AGL

KGFK Field Elevation: 845'

UPPER AIR OBSERVATIONS



RADAR



SATELLITE



PILOT WEATHER REPORT (PIREP)



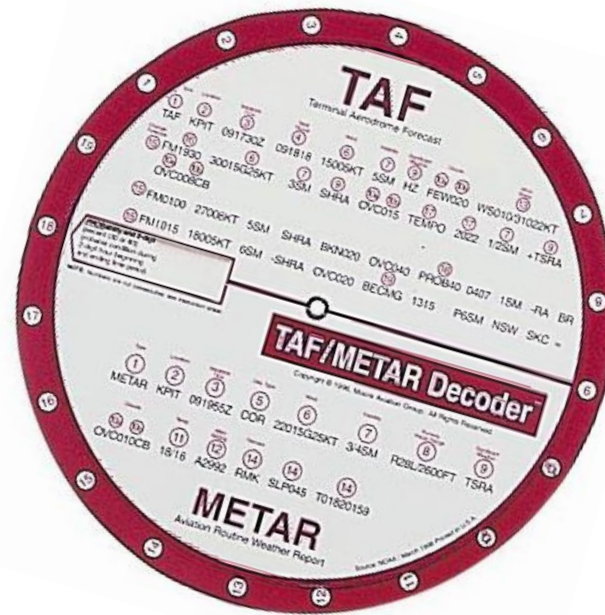
UA /OV YSP 090025 /TM
2120 /FL050 /TP BE99
/SK 020BKN040 110OVC
/TA -14 /WV 030045
/TB MDT CAT 060-080
/IC LGT RIME 020-040
/RM LGT FZRA INC

FLIGHT SERVICE



AVIATION ROUTINE WEATHER REPORT (METAR)

METAR KTTN 051853Z 04011KT 1/2SM VCTS SN FZFG BKN003
OVC010 M02/M02 A3006 RMK AO2 TSB40 SLP176 P0002
T10171017



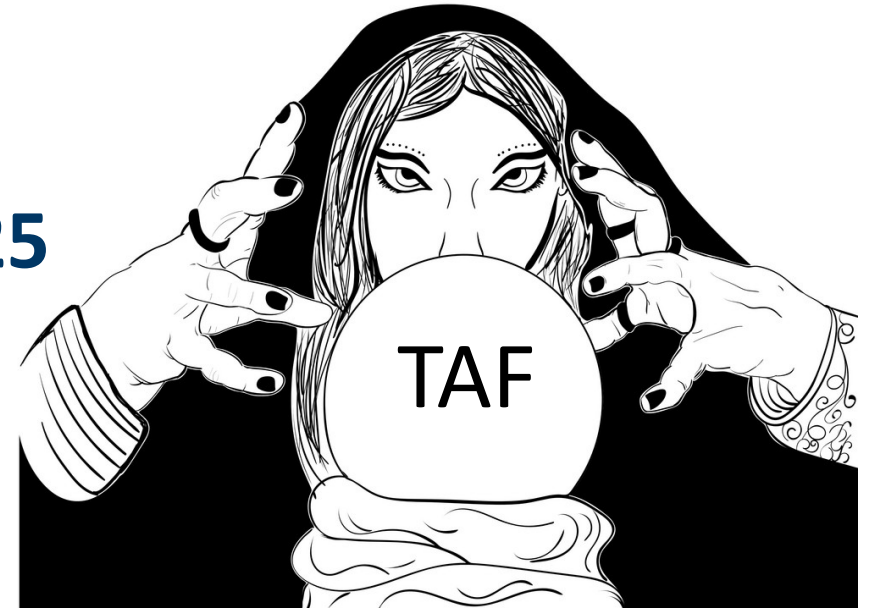
TERMINAL AERODROME FORECASTS (TAF)

**KSEA 291503Z 2915/3018 19008KT P6SM
VCSH FEW010 BKN025 OVC030**

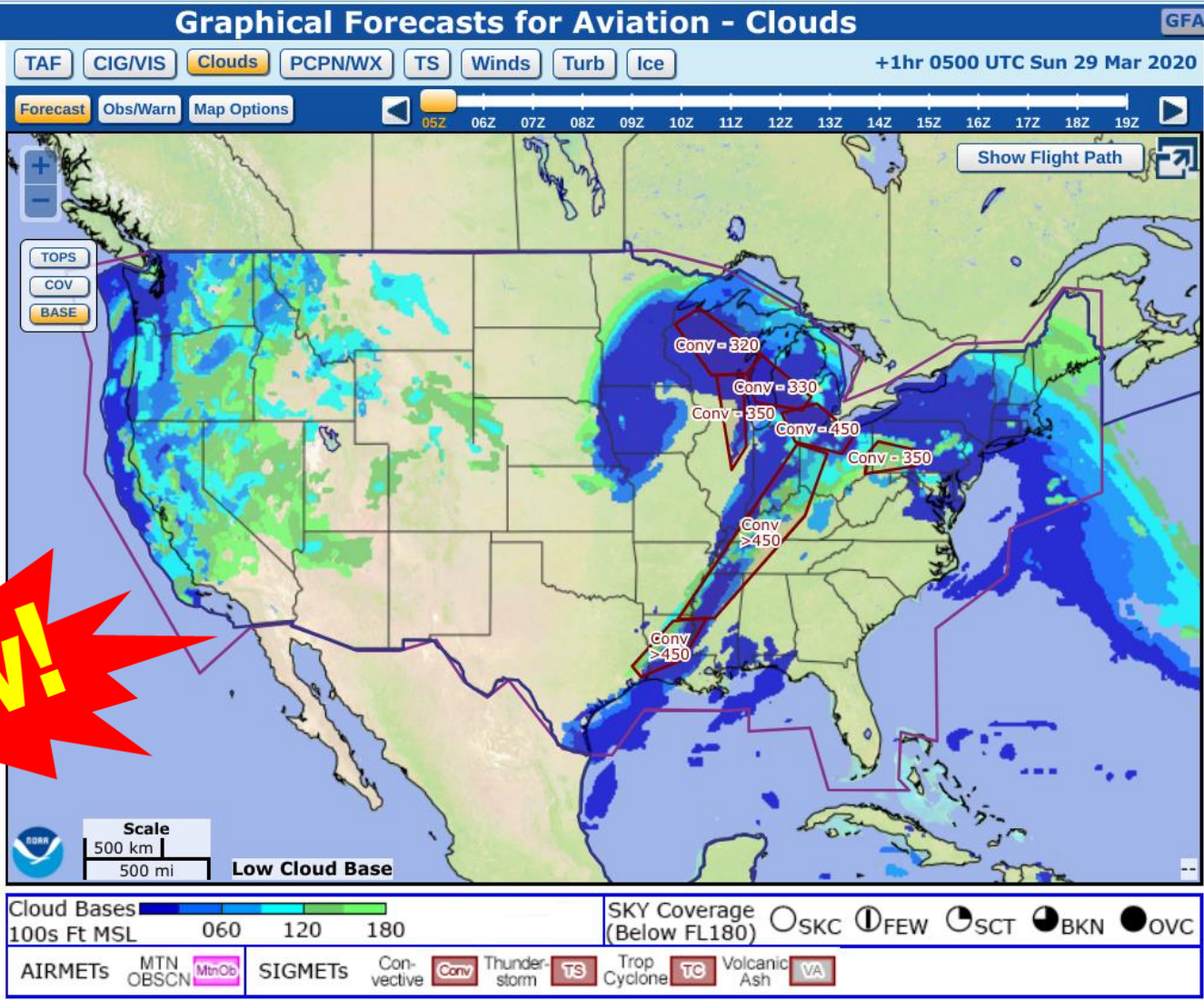
FM292100 20012G19KT P6SM -SHRA BKN025

FM300000 21012KT P6SM BKN050

FM300600 17006KT P6SM -RA BKN050



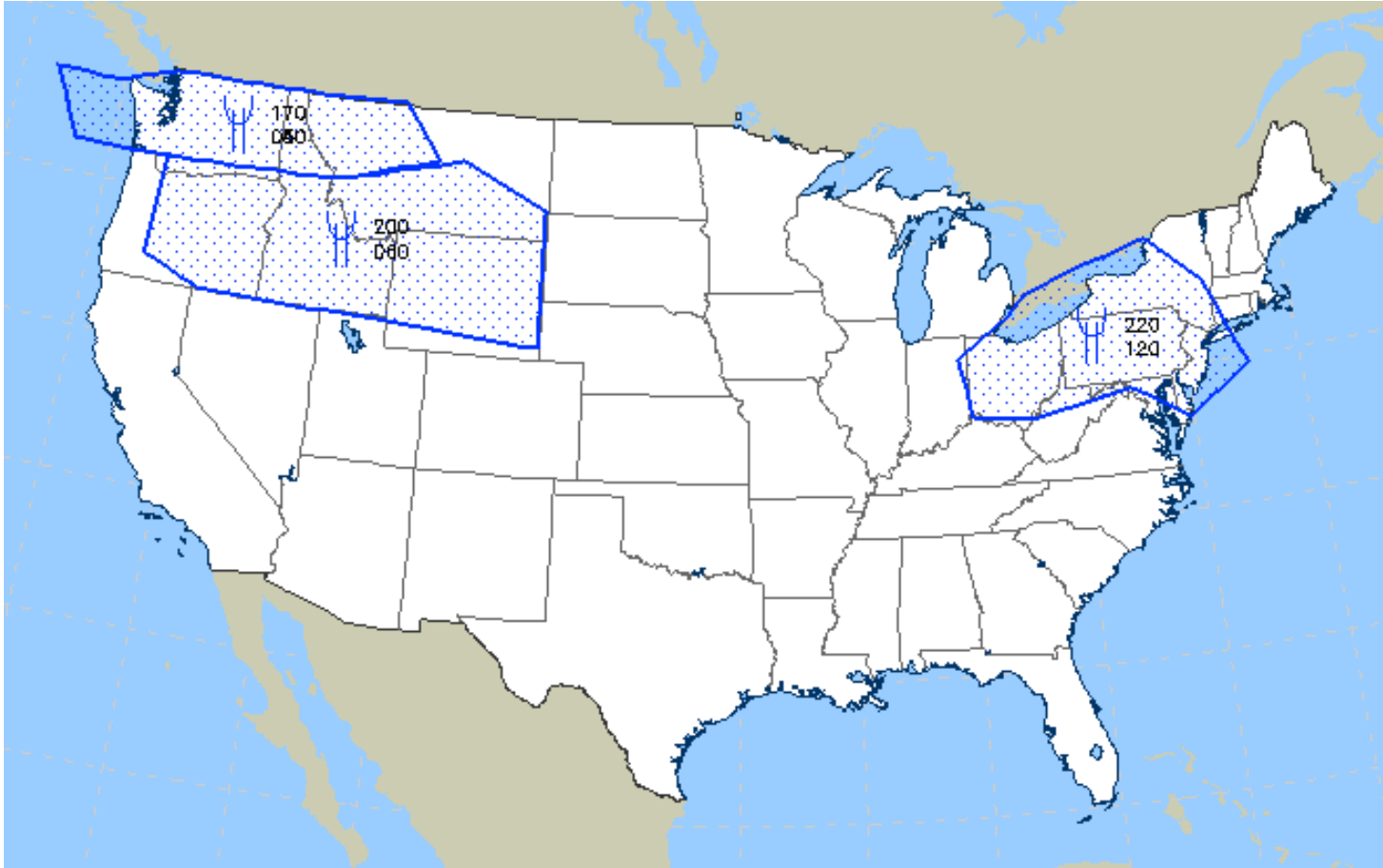
GRAPHICAL FORECAST for AVIATION (GFA)



New!



AIRMET (WA)



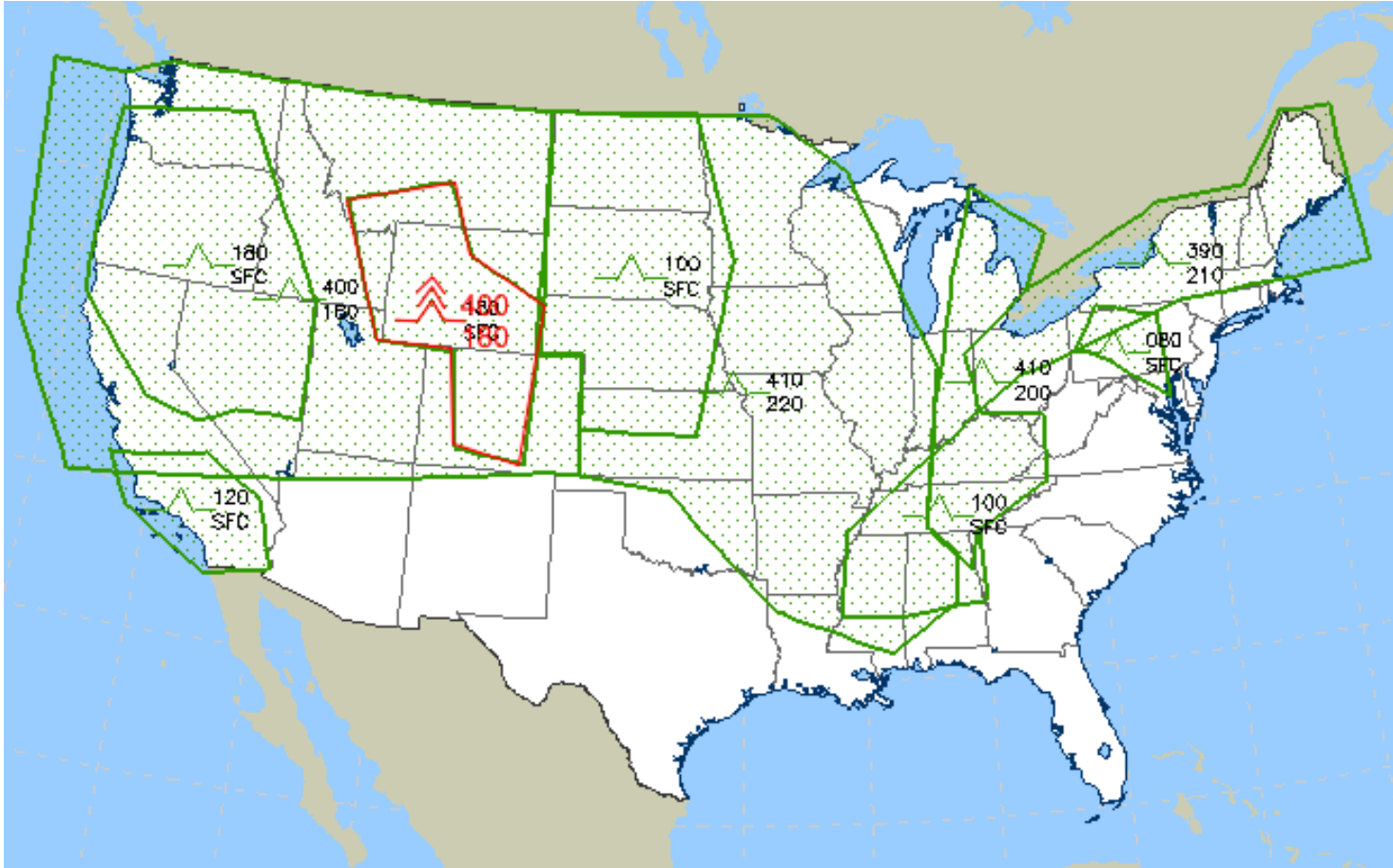
**AIRMET ZULU UPDT 3 FOR ICE
AND FRZLVL VALID UNTIL
070300**

**AIRMET ICE..WA OR ID MT AND
CSTL WTRS**

**FROM 60SSW YXH TO 20NNE
LWT TO 90SE MLP TO 40NNE
PDX TO 50S HQM TO
120WSW HQM TO 150W TOU
TO 20W TOU TO HUH TO
60SSW YXH**

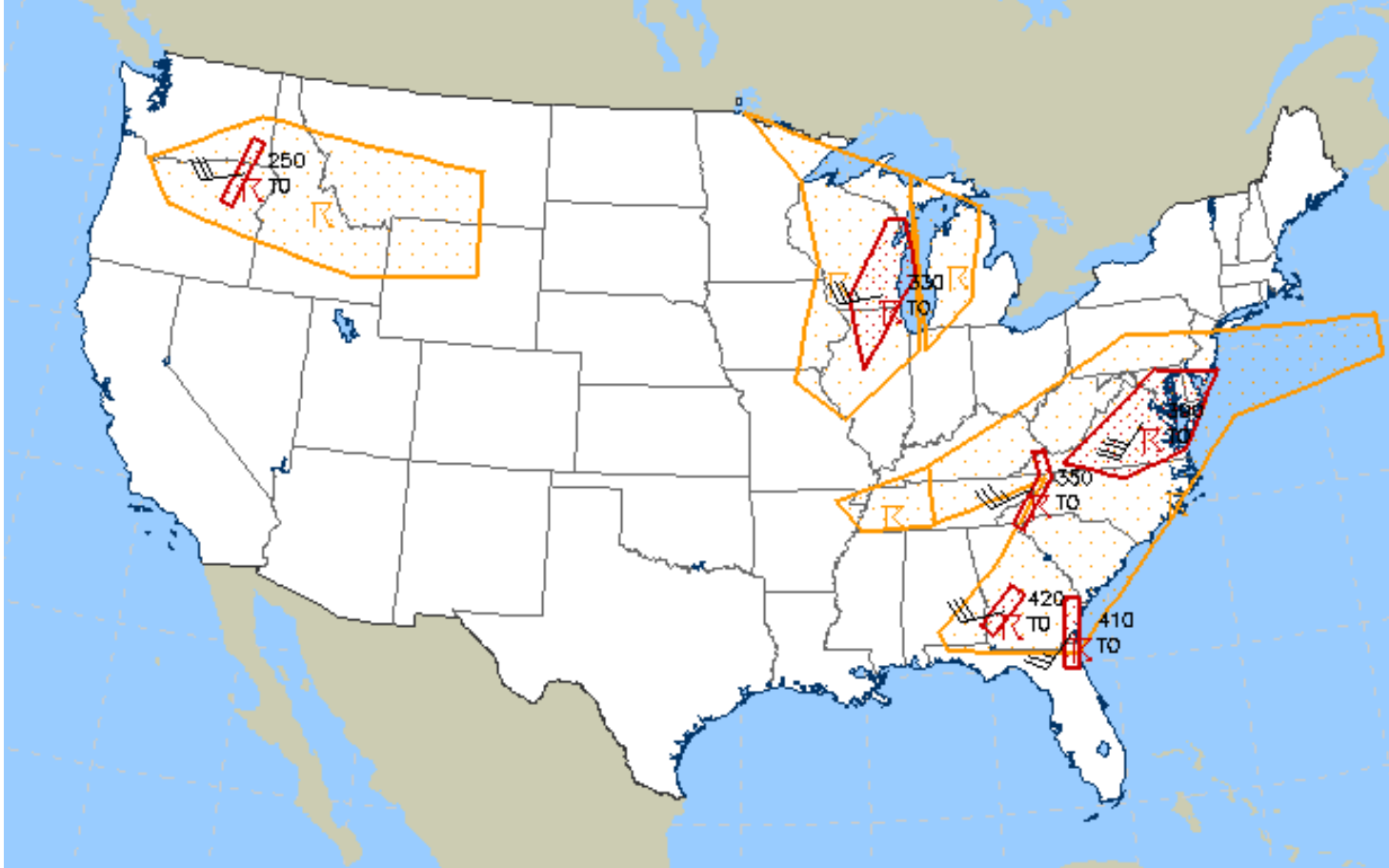
**MOD ICE BTN FRZLVL AND 170.
FRZLVL 040-080. CONDS
CONTG BYD 03Z THRU 09Z.**

SIGMET (WS)



**SIGMET ALFA 1 VALID UNTIL
052110
ID MT WY UT CO
FROM 50SE LWT TO 40W CZI
TO 50NNW BFF TO 40W TBE
TO 50SSW HBU TO 30NW
CHE TO 30ENE SLC TO
40WNW DLN TO 50SE LWT
OCNL SVR CAT DUE TO MTN
WV.
FL180 TO FL400.
CONDS CONTIG BYD 2100Z.**

CONVECTIVE SIGMET (WST)



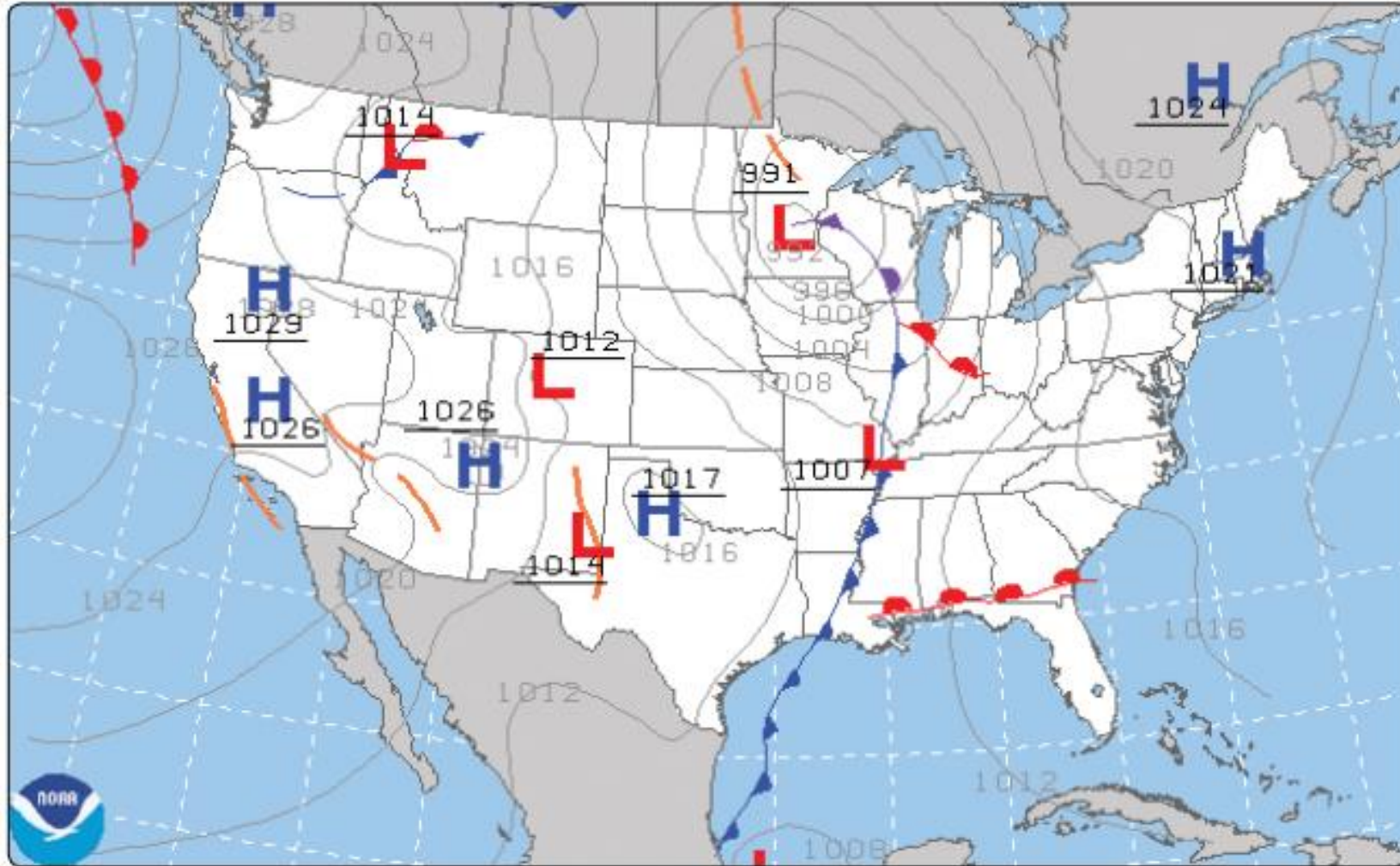
**CONVECTIVE SIGMET 2W
VALID UNTIL 0355Z
ID OR WA
FROM 70NNW DNJ-70SSW BKE
LINE TS 30 NM WIDE MOV FROM
25030KT. TOPS TO FL250.**

**OUTLOOK VALID 070355-070755
FROM GEG-40W MLS-30NNE CHE-
MLD-REO-PDX-GEG
WST ISSUANCES POSS. REFER TO
MOST RECENT ACUSO1 KWNS
FROM STORM PREDICTION CENTER
FOR SYNOPSIS AND
METEOROLOGICAL DETAILS.**

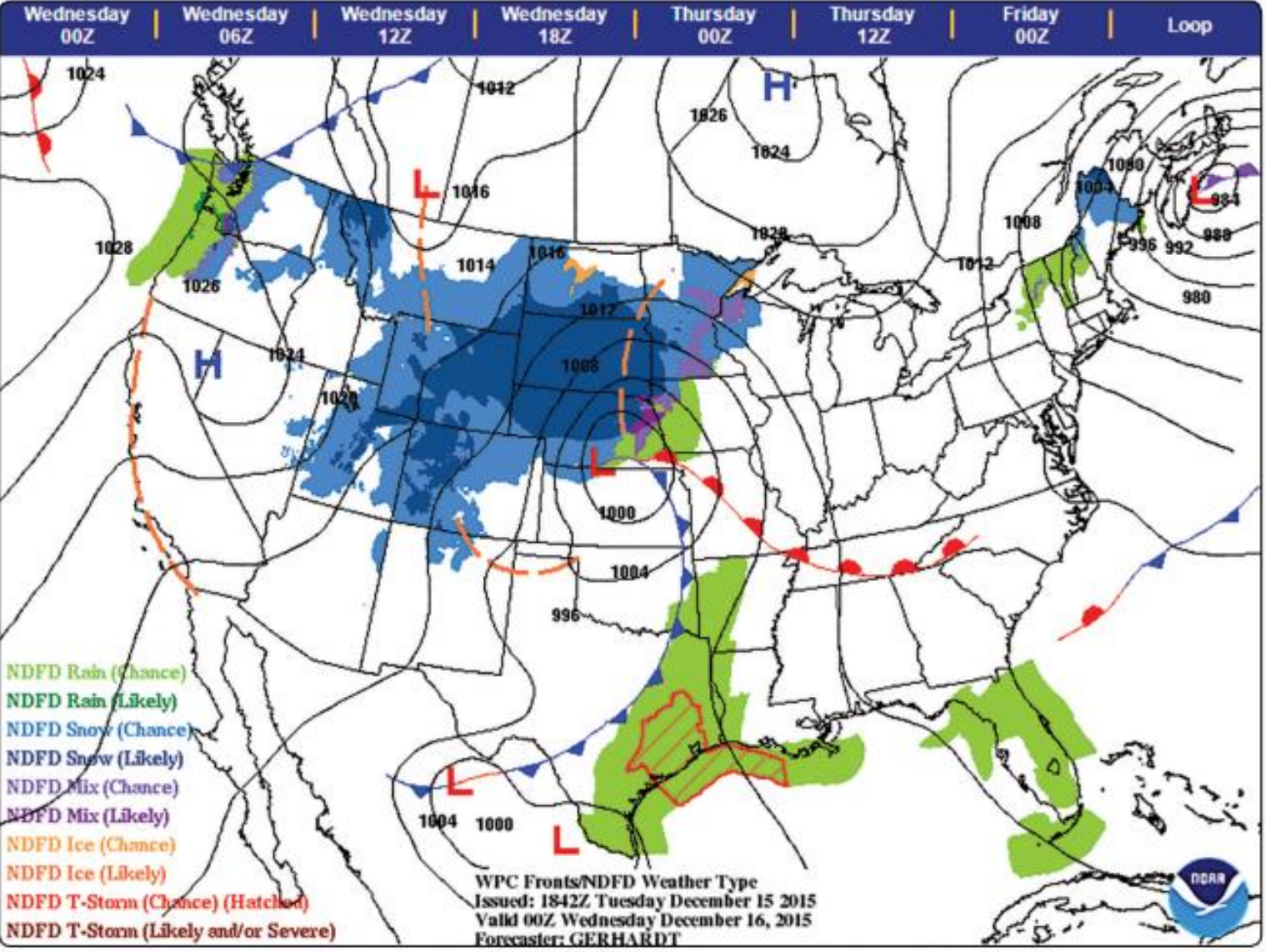
WINDS AND TEMPERATURE ALOFT FORECAST (FB) Windy

FT	3000	6000	9000	12000	18000-----→	34000
PDX	2427	2433+00	2436-06	2537-12	2552-25	760647
RDM		2535+03	2547-03	2549-09	2658-19	772148
GEG		2116+00	2225-05	2431-10	2547-23	267149
SEA	2228	2224-01	2225-06	2328-11	2427-25	257547
YKM	9900	2430+00	2535-05	2541-10	2447-24	268548

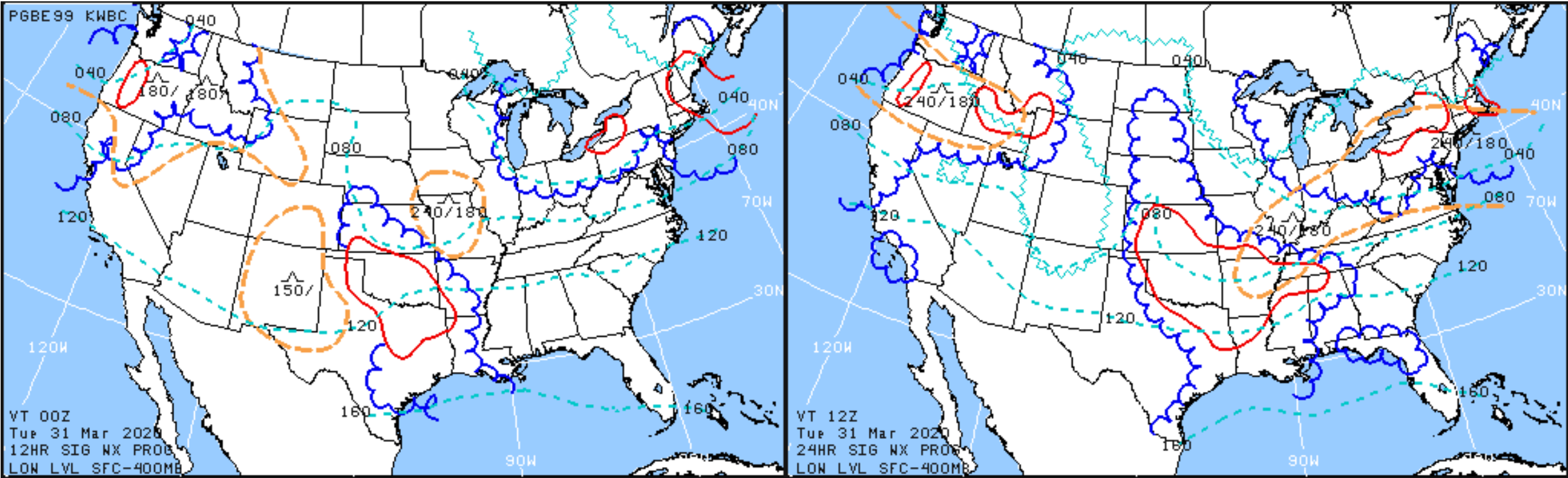
SURFACE ANALYSIS CHART



WEATHER DEPICTION CHART



PROGNOSTIC CHARTS




Flight planning only. See TAFs for specific terminal forecast.

- ceiling less than 1000 ft and/or visibility less than 3 miles
- ceiling 1000-3000 ft inclusive and/or visibility 3-5 miles incl
- moderate or greater turbulence
- freezing level above mean sea level
 - ~ freezing level at surface
 - Tstorms imply possible svr or greater turb. svr icing and LLWS.

ADSB / DATALINK



WEATHER BRIEFING

 FLIGHT PLAN <small>U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION</small>		<small>(FAA USE ONLY)</small> <input type="checkbox"/> PILOT BRIEFING <input type="checkbox"/> VNR <input type="checkbox"/> STOPOVER		TIME STARTED	SPECIALIST INITIALS	
1. TYPE <input type="checkbox"/> VFR <input type="checkbox"/> IFR <input type="checkbox"/> DVFR	2. AIRCRAFT IDENTIFICATION	3. AIRCRAFT TYPE / SPECIAL EQUIPMENT	4. TRUE AIRSPEED KTS	5. DEPARTURE POINT	6. DEPARTURE TIME PROPOSED (Z) ACTUAL (Z)	7. CRUISING ALTITUDE
8. ROUTE OF FLIGHT						
9. DESTINATION (Name of airport and city)		10. EST. TIME ENROUTE HOURS MINUTES		11. REMARKS		
12. FUEL ON BOARD HOURS MINUTES		13. ALTERNATE AIRPORT(S)		14. PILOT'S NAME, ADDRESS & TELEPHONE NUMBER & AIRCRAFT HOME BASE		15. NUMBER ABOARD
				17. DESTINATION CONTACT/TELEPHONE (OPTIONAL)		
16. COLOR OF AIRCRAFT		<small>CIVIL AIRCRAFT PILOTS. FAR Part 91 requires you file an IFR flight plan to operate under instrument flight rules in controlled airspace. Failure to file could result in a civil penalty not to exceed \$1,000 for each violation (Section 901 of the Federal Aviation Act of 1958, as amended). Filing of a VFR flight plan is recommended as a good operating practice. See also Part 99 for requirements concerning DVFR flight plans.</small>				

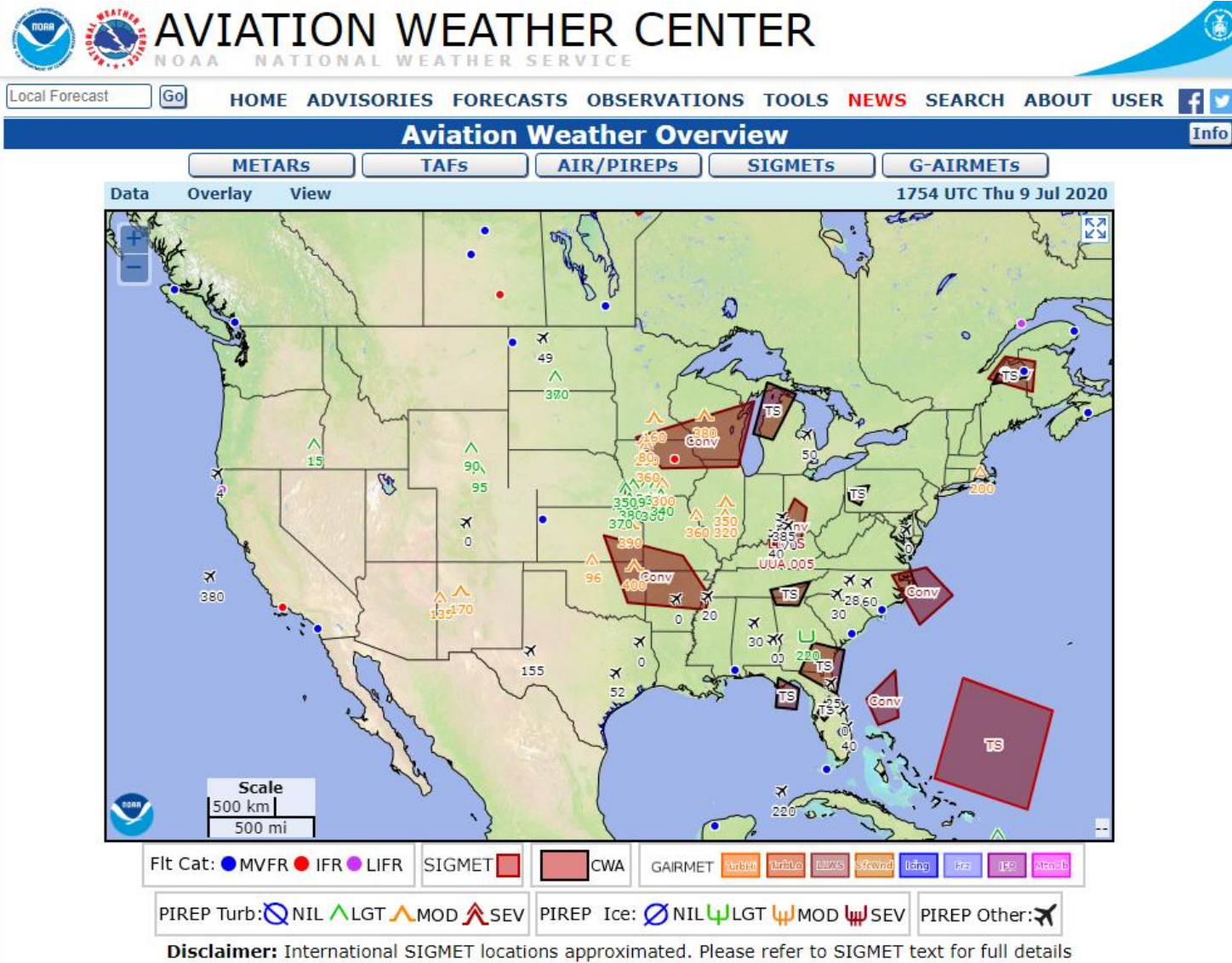
FAA Form 7233-1 (8-82)
Electronic Version (Adobe)

CLOSE VFR FLIGHT PLAN WITH _____ FSS ON ARRIVAL

**STANDARD
ABBREVIATED
OUTLOOK
1-800-WX-BRIEF**



RECAP



Let's look at today's weather...