## **WEATHER CHARTS**

	SURFACE	WEATHER	RADAR	CONSTANT PRESSURE	COMPOSITE MOISTURE	WINDS AND TEMPS	LLVL SIG WX	HLVL SIG WX	CONVECTIVE
CHART NAME	ANALYSIS	DEPICTION	SUMMARY	ANALYSIS	STABILITY	ALOFT	PROG	PROG	OUTLOOK
OBSERVED OR FORECAST	OBSERVED	OBSERVED EVERY 3 HRS	OBSERVED EVERY HOUR	OBSERVED	OBSERVED	FORECAST	FORECAST	FORECAST	FORECAST
ISSUED	EVERY 3 HRS	FROM 0100Z	FROM 0035Z	EVERY 12 HRS	EVERY 12 HRS	EVERY 12 HRS	EVERY 6 HRS	EVERY 6 HRS	SEE "NOTES"
	fronts & pressure systems	conditions	precipitation & TSTMS. Check intensity coverage and	and fronts. Can check moisture and TURBC possibility.	possible TSTM activity. To check for TSTM severity potential.	of avg enroute WCP. Temp. useful for effect on TAS & fuel flow.	Locate IFR areas, precip. Areas, turbc area, fronts, pressure systems, inversions, and FRZLVLS. SFC-400mb ~(24000')	CBs, CAT, TROP LVLS, Hurricanes, SVR	Areas which may expect general TSTMS and areas which may expect SVR TSTMS. Includes: SVRTS RISK notations. (LEVELS)
DEPICTS	PRESSURE - 1010 L · 10 H · 1014	-IFR (Shaded) -MVFR (Contoured with shading) -VFR (Everything else) -[Know definitions!] -Fronts/Trofs	KNOW: LGT - MDT STG - V.S. int XTRM	WINDS PARALLEL and increase when? ISOTACHS:  10k 30k WHAT IS ALSO REQUIRED TO DETERMINE HOW?		30k °C	12-hr SFC-400mb  12-hr SFC-400mb  12-hr SFC SFC  Upper panels have a Legend:  IFR  MVFR  TBC  TBC  FRZLVL(s)	100   FL35   100   80k   80k   CAT   360   300     3	(To the right of line is general TSTM activity forecasted.  SEVERE TSTM areas are: Shaded or with a RISK notation in the circle or near.
NOTES	DECODE THE STATION MODEL. [KNOW THE UNITS!]	AUTO  CIG / CLD base  WX / obs to vision  COLD WK  COLD WK  Frontal intensity given  TEST will exclude 'human frontal analysis'.	SVR TSTM* WATCH S00 VATCH S00 VATCH S01 VYT  400 Precipitation tops 40000' MSL  R S T NE RW SW NA OM  15 cell movement LM=? 15K to NE	Shading: 70 - 110K 150 - 190K etc.  CLR within shading: 110 - 150K 190 - 230K etc.  STATION MODELS:  TT HGT T-D H <sub>c</sub> (LV,M)  Shaded black when T-D spread is 5 degrees or less (moist).	Negative LIs = unstable Positive LIs = stable Positive (& high) KI = moist & unstable Low (or negative) KI = dry & stable L - severity potential K - TSTM probability  -8 12 is possible!	notes:	MDT SVR TBC  don't expect these on NWS Charts. (others - yes)  MDT TBC within the lines from SFC - 10000'  shading - Precip. Cov. > 50%.	T.S.  HURRICANE  TROP LEVEL:  450 = 45000'  TROP HIGH:  H 500  TROP LOW:  VOLCANIC ERUPTION	DAY 1 5 X DAILY  DAY 2 2 X DAILY  COVERS (2 DAYS)