

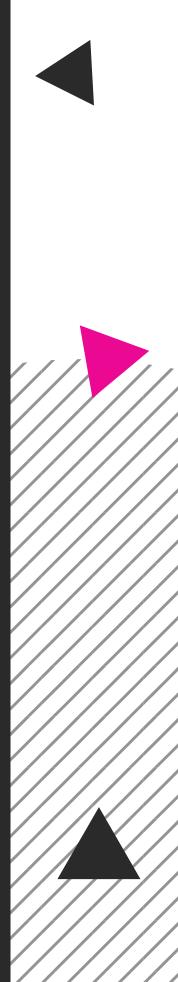
WEATHER

CONVETIVE SIGMENT 55 PAST HOUR VALID FOR 2 HOURS OBSERVATION AND FORECAST

SEVERE THUNDERSTORMS TORNADOES EMBEDDED THUNDERSTORMS LINE OF THUNDERSTORMS 60 MILES LONG AND 40% OF ITS LENGTH THUNDERSTORMS PRODCING HEAVY OR GREATER PRECIPITATION MORE THAN 40% AN AREA OR 3000 SQUARE MILES. CONVECTIVE SIGMENT ALWAYS IMPLIES SEVERE OR GREATER TURBULENCE, SEVERE ICING OR LLWS

SIGMET

MAXIMUM FORCAST OF 4 HOURS NON-CONVECTIVE SEVERE ICING EXTREME TURBULENCE DUST STORM VOLCANIC ASH





WEATHER

AIRMET LOWER INTENSITY ADVISORY VALID FOR 6 HOURS AIRMET T MOD TURB SURFACE WINDS 30 KNOTS OR GREATER NON CONVECTIVE LLWS AIRMET Z ICING AIRMET S IFR CONDITIONS SUCH AS MOUNTIAN OBSCURATIONS

PIREP UA OR URGENT PIREP UUA

METAR- EVERY HOUR SURFACE WEATHER OBSERVATION

TAF TERMINAL AERODROME FORECAST 5 SM RADIUS AROUND A STATION. 4 TIMES A DAY ISSUED EVERY 6 HOURS.



WEATHER

CONDITIONS NECESSARY FOR A THUNDERSTORM

1.HUMIDITY 2.UNSTABLE LAPSE RATE 2.UPLIFTING FORCE

THUNDERSTORM HAZARDS LIMITED VIS, WIND SHEAR, UPDRAFTS AND DOWNDRAFTS, ICING , HAIL, HEAVY RAIN, LIGHTING AND. TORNADOES LIFE CYCLE OF A THUNDERSTORM **1.CUMULUS STAGE** LIFTING ACTION OF THE AIR 2. MATURE STAGE- RAIN FALLS UPDRAFTS MAY EXCEED 6000FT DOWNDRAFTS MAY

EXCEED 2500FT 3. DISSIPATING STAGE STRONG DOWNDRAFT - CELL IS DYING