

Embry-Riddle Weather Information Sheet

Refer to AC 00-45E (Aviation Weather Services)/Current FAR-AIM for Complete Information

Rev. 08/02

TYPE REPORT (Teletype Code)	ISSUANCE TIMES	AGE WHEN REC'D	VALID PERIOD	INFORMATION CONTAINED
Aviation Routine Weather Report (METAR)	Hourly 50 to 55 past each Hr.	Current Data 5 to 30 minutes old	Time of issue, or until next report	Type report/airport identifier/date/time/wind/visibility /Wx/sky cond./temp./dewpoint/altimeter/remarks
Terminal Aerodrome Forecast (TAF)	4 times daily 0000z/0600z/1200z...	Forecast Data	24 hours	Forecasts; winds/visibility/significant Wx/ sky cond./Wx changes and probability forecast
Area Forecast (FA)	3 times daily	Forecast Data	18 Hrs... 12 Hr. Forecast + 6 Hr. Outlook	TAF-like forecast for multiple states/regions 4 parts; Header/Precautionary Statements/ Synopsis/VFR Clouds and Wx (12 Hr.) + 6 Hr. Outlook
Airmet (WA)	Every 6 hours Or as required	Current and Forecast Data	6 hours, Max.	3 Type reports - Sierra/Tango/Zulu Sierra; IFR cond./extensive Mt. obscuration Tango; mod. turbulence/sust. SFC winds 30+kts. Zulu; mod. icing/freezing level heights
Sigmet (WS)	As required, when SIGMET Wx occurs	Current and Forecast Data	4 hours, Max.	Severe/extreme turbulence/CAT - w/out TS Severe icing - w/out TS Dust/Sand-storm/volcanic ash/volcanic eruption
Convective Sigmet (WST)	Hourly 55 past each Hr.	Current and Forecast Data	2 hours, Max.	TS/lines of TS/embedded TS/hail 3/4" diam./ sust. SFC winds 50+kts./tornadoes
Winds and Temperatures Aloft (FD)*	2 times daily 0400z/1600z	Forecast Data	Time interval of use is stated on forecast	Forecast winds and temperatures from 3000ft. No winds w/in 1500ft. of SFC, no temps. w/in 2500ft.
Pilot Reports (PIREP)	As reported	Current Data	Current Wx from time of report	UA = Routine report, UUA = Urgent report Sky cond./Wx/visibility/temp./wind/turb./icing/remarks
Center Weather Advisory (CWA)	As required	Current and Forecast Data	2 hours, Max.	Wx supplementing advisories, or requiring the issue of an advisory affecting flow control for an ARTCC area
Convective Outlook*	Day 1; 5 times Day 2; 2 times Day 3; 2 times	Forecast data Forecast data Forecast data	First 24 hours Next 24 hours Following 24 hours	National forecast of thunderstorms
Surface Analysis Chart	Every 3 hours	2-3 hours old	Observed Data	Fronts/pressure systems/isobars - can incl. radar data Some charts include station data
Weather Depiction Chart	Every 3 hours	1 hour old	Observed Data	Areas of VFR/MVFR/IFR - fronts/pressure systems Station data incl. cloud cover/ceilings
Radar Summary Chart*	Hourly 15 past each Hr.	1 hour	Observed Data	Precipitation - type/intensity/trend/coverage/tops/ direction of movement of cells and areas
Low-level Significant Weather Prognostic Chart	4 times daily 0000z/0600z/1200z...	Forecast Data	Left panels - 12 hrs. Right panels - 24 hrs.	Lower panels - pressure centers/fronts/precip. Upper panels - VFR/MVFR/IFR/turb./freezing levels
Composite Moisture Stability Chart	2 times daily 0000z/1200z	Current Data	12 hours	4 panels - lifted index/precipitable water freezing levels/average relative humidity
Severe Weather Two-day Outlook Chart	1 time daily 0800z	Forecast Data	Time interval of use is stated on chart	Outlines areas with possibility for severe weather
Constant Pressure Analysis Chart	2 times daily 0000z/1200z	2-3 hours old	Observed Data	6 levels to incl. temp./temp.-dewpoint spread/wind/ height of pressure level/height changes

*Recent changes noted at: aviationweather.noaa.gov