

Chicago Flight School 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 RECD | 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 / data / time / wind / visibility / Wx / sky cond. / temp. / dew point / 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 hours... 12 Hr. Forecast + 6 Hr. Outlook | TAF – like forecast for multiple sates / regions 4 parts; Header / Precautionary Statements/ Synopsis / VFR Clouds and Ex (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 |
| Sigmat (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 Temperature Aloft (FD) | 2 times daily 0400z/1600z | Forecast Data | Time interval of use is stated on forecast | Forecast winds end 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 / rematks |
| 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 |
| Connective 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 system / 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 hours Right Panels – 24 hours | 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 / perceptible 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. – dew point spread / wind / height of pressure level / height changes |

Recent Changes noted at aviationweather.noaa.gov