

## Avel Flight School Weather Information Sheet

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

Rev.08/02

| TYPE REPORT<br>(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<br>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...<br>12 Hr. Forecast +<br>6 Hr. Outlook     | TAF – like forecast for multiple sates / regions<br>4 parts; Header / Precautionary Statements/<br>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<br>Sierra; IFR cond. / extensive Mt. obscuration<br>Tango; mod. turbulence / sust. SFC winds 30+kts.<br>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<br>Severe Icing – w/out TS<br>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 ¼" diam. / sust/ SFC winds 50+kts / tornadoes  |
| Winds and Temperature Aloft (FD)               | 2 times daily<br>0400z/1600z                       | Forecast Data                                   | Time interval of use is stated on forecast            | Forecast winds end temperatures from 3000ft.<br>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  |
| Conective Outlook                              | Day 1: 5 times<br>Day 2: 2 times<br>Day 3: 2 times | Forecast Data<br>Forecast Data<br>Forecast Data | First 24 hours<br>Next 24 hours<br>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<br>Some charts include station data  |
| Weather Depiction Chart                        | Every 3 hours                                      | 1 hour old                                      | Observed Data   | Areas of VFR / MVFR / IFR – fronts / pressure systems<br>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<br>0000z/0600z/1200z/...             | Forecast Data                                   | Left panels – 12 hours<br>Right Panels – 24 hours     | Lower panels – pressure centers / fronts / precip.<br>Upper panels – VFR / MVFR / IFR / turb. / freezing levels  |
| Composite Moisture Stability Chart             | 2 times daily<br>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<br>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](http://aviationweather.noaa.gov)