

Aviation Weather Products

PRODUCT	Current & Forecast	Frequency	Valid For	Levels	Area	Wind	Vis	Clouds	Flt Cat	Temp	Dew	Alt	Wx	Rain	Sig Wx	Ice/Fz	Turb	T-Storm	Fronts	Includes Other	En Route	NOAA Links
ATIS	Current	Hourly/ Any Time		Surface to 25,000' AGL Departure ATIS – to 100' AGL	BCD Airport 20-60NM Dep. ATIS – 5 NM	MAG	SM	AGL		X	X	X								Departing & Arriving Runways, some Notam	ATIS ATC	https://www.faa.gov/air_traffic/weather/asos/
ASOS / AWOS	Current	Every Min		Surface – 10,000'	25NM	X	X	X		X	X	X		X	X	X		X		Density Alt	ASOS / AWOS	https://www.aviationweather.gov/metar
METAR	Current	Hourly (SPECI - Any Time)		Surface	5NM	TRUE	SM	AGL		X	X	X	X	X	X					RVR		https://www.aviationweather.gov/metar
TAF	Forecast	4x /day (Every 6 Hours) 0000Z/0600/1200/1800z	24 hrs	Surface	5SM	TRUE	SM	AGL CB Only					X	X	X							https://aviationweather.gov/taf
PIREPS	Current	Reported By Pilot in Flight		As Reported		MAG	SM	MSL Ceiling & Tops		X			X	X	X	X	X				HIWAS, ATC, FSS, ARTCC	https://aviationweather.gov/airep
AIRMET (WA)	Current & Forecast	4x /day (Every 6 Hours) (Starting 0245Z...) or As Required	6 Hrs Max	Surface to All Flight Levels	48 States (must affect 3000 square miles)	> 30Kts		< 1000'	IFR						X	Mod	Mod			SIERRA: Mountain Obscuration TANGO, ZULU	HIWAS, ATC, FSS, ARTCC	https://aviationweather.gov/gaimet
SIGMET (WS)	Current & Forecast	Unscheduled, As Required	4 Hrs Max	Surface to All Flight Levels	National (must affect 3000 square miles)										X	Severe	Severe			Dust, Sand-storm, Volcano, CAT	HIWAS, ATC, FSS, ARTCC	http://aviationweather.gov/sigmat
Convective SIGMET	Current & Forecast	Hourly	2 Hrs Max	Surface to All Flight Levels	48 States (must affect 3000 square miles)	>50kts									X	X	X	X		Embedded TS, Hail 3/4 diam, tornadoes, WS	HIWAS, ATC, FSS, ARTCC	https://aviationweather.gov/convection
Center Weather Advisory (CWA)	Current & Forecast	Unscheduled, As Required	2 Hrs Max	Surface to All Flight Levels	48 States (must affect 3000 square miles)	>30kts			IFR					Heavy	X	X	X	X		Hazardous weather w/in next 2 Hrs	HIWAS, ATC, FSS, ARTCC	https://www.aviationweather.gov/cwamis
Surface Analysis	Current & Forecast	Every 3 Hrs 1-4x a day	Observed	Surface	National 48 States						X			X		X		X	X	L/H Pressure, Isobars, Radar Data, Snow		https://aviationweather.gov/progchart/stc
Low Level Sig Wx SIGWX	Forecast	4x /day 0000Z/0600/1200/1800z	12 hrs / 24hrs	Surface to 24K	48 States				X							X	X					https://aviationweather.gov/progchart/low
Mid / High Level SIGWX	Forecast	4x /day 0800Z/1400/2000/0200z	24 hrs	FL100 – FL450 (Mid) FL250-FL630 (High)	North Atlantic Ocean Region (NAT)	X		CB									X	X		Jet streams, Cyclones, volcanic eruptions		https://aviationweather.gov/progchart/mid
Winds / Temp Aloft	Current & Forecast	3x day 1200/ 1800 / 0600Z		3000'- FL540	National	TRUE				X												https://www.aviationweather.gov/windtemp
Convective / Severe Outlook AC	Forecast	Day 1: 5 times Day 2: 2 times Day 3: 2 times	24 hrs		National	>50kts									X			X		1" hail, tornado		https://www.spc.noaa.gov/products/outlook/
Graphical Forecasts for Aviation GFA	Forecast	Every Hour		Surface to FL480	National	X		MSL	X					X	X	X	X	X				https://aviationweather.gov/gfa/plot
Aviation Forecast Discussions	Forecast	Every 6 Hours	24 Hrs	Surface	National	TRUE	X	AGL	X				X	X	X			X				https://aviationweather.gov/fcstdisc
Satellite	Current & Forecast				World																	https://aviationweather.gov/satellite
Radar	Current & Forecast	Loop of last 2-4 hours			World																	https://aviationweather.gov/radar