

## Aviation Weather Products

PRODUCT	Current & Forecast	Frequency	Valid For	Levels	Area	Wind	Vis	Clouds	Flt Cll	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	<a href="https://www.faa.gov/air_traffic/weather/asos/">https://www.faa.gov/air_traffic/weather/asos/</a>
ASOS / AWOS	Current	Every Min		Surface - 10,000'	25NM	X	X	X		X	X	X	X	X	X			X		Density Alt	ASOS / AWOS	<a href="https://www.aviationweather.gov/metar">https://www.aviationweather.gov/metar</a>
METAR	Current	Hourly (SPECI - Any Time)		Surface	5NM	TRUE	SM	AGL		X	X	X	X	X	X					RVR		<a href="https://www.aviationweather.gov/taf">https://www.aviationweather.gov/taf</a>
TAF	Forecast	4x /day (Every 6 Hours) 0000Z/0600/1200/1800Z	24 hrs	Surface	5SM	TRUE	SM	AGL CB Only				X	X	X	X							<a href="https://aviationweather.gov/taf">https://aviationweather.gov/taf</a>
PIREPS	Current	Reported By Pilot in Flight		As Reported		MAG	SM	MSL Ceiling s & Tops			X		X	X	X	X	X				HIWAS, ATC, FSS, ARTCC	<a href="https://aviationweather.gov/pirep">https://aviationweather.gov/pirep</a>
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	<a href="https://aviationweather.gov/gairmet">https://aviationweather.gov/gairmet</a>
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	<a href="http://aviationweather.gov/sigmet">http://aviationweather.gov/sigmet</a>
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	<a href="https://aviationweather.gov/convection">https://aviationweather.gov/convection</a>
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					Hazardous weather w/in next 2 Hrs	HIWAS, ATC, FSS, ARTCC	<a href="https://www.aviationweather.gov/cwamis">https://www.aviationweather.gov/cwamis</a>
Surface Analysis	Current & Forecast	Every 3 Hrs 1-4x a day	Observed	Surface	National 48 States					X		X		X		X	X	X	L/H Pressure, Isobars, Radar Data, Snow		<a href="https://aviationweather.gov/progchart/stc">https://aviationweather.gov/progchart/stc</a>	
Low Level Sig Wx SIGWX	Forecast	4x /day 0000Z/0600/1200/1800Z	12 hrs / 24hrs	Surface to 24K	48 States			X					X	X								<a href="https://aviationweather.gov/progchart/low">https://aviationweather.gov/progchart/low</a>
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		<a href="https://aviationweather.gov/progchart/mid">https://aviationweather.gov/progchart/mid</a>
Winds / Temp Aloft	Current & Forecast	3x day 1200/ 1800 / 0600Z		3000'- FL540	National	TRUE			X													<a href="https://www.aviationweather.gov/windtemp">https://www.aviationweather.gov/windtemp</a>
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		<a href="https://www.spc.noaa.gov/products/outlook/">https://www.spc.noaa.gov/products/outlook/</a>	
Graphical Forecasts for Aviation GFA	Forecast	Every Hour		Surface to FL480	National	X	MSL	X				X	X	X	X	X	X				<a href="https://aviationweather.gov/gfa/plot">https://aviationweather.gov/gfa/plot</a>	
Aviation Forecast Discussions	Forecast	Every 6 Hours	24 Hrs	Surface	National	TRUE	X	AGL	X			X	X	X			X				<a href="https://aviationweather.gov/fcsdisc">https://aviationweather.gov/fcsdisc</a>	
Satellite	Current & Forecast				World																<a href="https://aviationweather.gov/satellite">https://aviationweather.gov/satellite</a>	
Radar	Current & Forecast	Loop of last 2-4 hours			World																<a href="https://aviationweather.gov/radar">https://aviationweather.gov/radar</a>	