

Status of NDFD Elements as of March 1, 2012

Element	CONUS	Puerto Rico	Hawaii	Guam	Alaska
12-hour Probability of Precipitation	Operational since 12/1/04	Operational since 6/21/05	Operational since 6/21/05	Operational since 9/20/05	Experimental since 9/6/06
Apparent Temperature	Operational since 3/15/06	Operational since 3/15/06	Operational since 3/15/06	Operational since 3/15/06	Experimental since 7/8/09
Climate Outlooks 12 separate elements: Days 8-14, 30-, and 90-Days Temperature Above/ Below Normal, Precipitation Above/ Below Normal	Operational since 9/18/08	Not available	Not available	Not available	Operational since 9/18/08
Convective Outlook Hazard Probabilities					
Convective Hazard Outlook for Days 1-3	Operational since 4/30/09	Not available	Not available	Not available	Not available
Convective Hazard Outlook for Days 4-8	Operational since 12/1/09	Not available	Not available	Not available	Not available
8 additional separate elements: Probability of: Tornadoes, Hail, Damaging Thunderstorm Winds, Extreme Tornadoes, Extreme Hail, Extreme Thunderstorm Winds, Total Probability of: Severe Thunderstorms Extreme Severe Thunderstorms	Operational since 4/30/09	Not available	Not available	Not available	Not available
Dewpoint	Operational since 3/15/05	Operational since 6/21/05	Operational since 6/21/05	Operational since 9/20/05	Experimental since 7/8/09

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Fire Weather Outlooks					
Fire Weather Critical and Extremely Critical Areas for Days 1-7	Operational since 7/14/11	Not available	Not available	Not available	Not available
Fire Weather Critical Areas for Dry Thunderstorms for Days 1-3	Operational since 7/14/11	Not available	Not available	Not available	Not available
Hazards	Operational since 9/15/09	Operational since 9/15/09	Operational since 9/15/09	Operational since 9/15/09	Experimental since 7/8/08* * subset of hazards
Ice Accumulation	Experimental since 10/12/11* * subset of CONUS	Not required	Not required	Not required	Not available
Maximum Relative Humidity	Experimental since 2/15/ 12	Experimental since 2/15/ 12	Experimental since 2/15/ 12	Experimental since 2/15/ 12	Experimental since 2/15/ 12
Maximum Temperature	Operational since 12/1/04	Operational since 6/21/05	Operational since 6/21/05	Operational since 9/20/05	Experimental since 9/6/06
Minimum Relative Humidity	Experimental since 2/15/ 12	Experimental since 2/15/ 12	Experimental since 2/15/ 12	Experimental since 2/15/ 12	Experimental since 2/15/ 12
Minimum Temperature	Operational since 12/1/04	Operational since 6/21/05	Operational since 6/21/05	Operational since 9/20/05	Experimental since 9/6/06
Quantitative Precipitation Forecast (QPF)	Operational since 7/8/08	Operational since 7/8/08	Operational since 7/8/08	Operational since 7/8/08	Experimental since 7/8/09

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Relative Humidity	Operational since 3/15/06	Operational since 3/15/06	Operational since 3/15/06	Operational since 3/15/06	Experimental since 7/8/09
Significant Wave Height	Operational since 5/31/07	Operational since 5/31/07	Operational since 5/31/07	Operational since 5/31/07	Experimental since 9/6/06
Sky Cover	Operational since 7/8/08	Operational since 7/8/08	Operational since 7/8/08	Operational since 7/8/08	Experimental since 7/8/09
Snow Amount	Operational since 7/8/08	Not required	Operational since 7/8/08	Not required	Experimental since 7/8/09
Temperature	Operational since 3/15/05	Operational since 6/21/05	Operational since 6/21/05	Operational since 9/20/05	Experimental since 7/8/09
Tropical Cyclone Surface Wind Speeds Probabilities 6 separate elements: >34kts (incremental) >34kts (cumulative) >50kts (incremental) >50kts (cumulative) >64kts (incremental) >64kts (cumulative)	Operational since 5/31/07	Not available	Operational since 5/13/10 (graphics only)	Operational since 5/13/10 (graphics only)	Not required
	Northern Hemisphere domain Operational since 5/31/07				
	North Pacific Ocean domain Operational since 5/13/10				
Weather	Operational since 3/15/05	Operational since 6/21/05	Operational since 6/21/05	Operational since 9/20/05	Experimental since 7/8/09
Wind Direction and Speed	Operational since 12/14/05	Operational since 12/14/05	Operational since 12/14/05	Operational since 12/14/05	Experimental since 9/6/06
Wind Gust	Operational since 9/20/07	Operational since 9/20/07	Operational since 9/20/07	Operational since 9/20/07	Experimental since 7/8/09