

Status of NDFD Elements as of June 15, 2011

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 Comments closed 4/6/07
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 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 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
Fire Weather	Operational since 7/14/11	Not available	Not available	Not available	Not available

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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 Comments closed 1/8/09
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 Comments closed 4/6/07
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 Comments closed 4/6/07
Probabilistic Tropical Cyclone Surface Wind Speeds 6 separate elements: <ul style="list-style-type: none"> >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 available
	Northern Hemisphere domain Operational since 5/31/07				
	North Pacific Ocean domain Operational since 5/13/10				
Quantitative Precipitation Forecast (QPF)	Operational since 7/8/08	Operational since 7/8/08	Operational since 7/8/08	Not available	Experimental since 7/8/09
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

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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