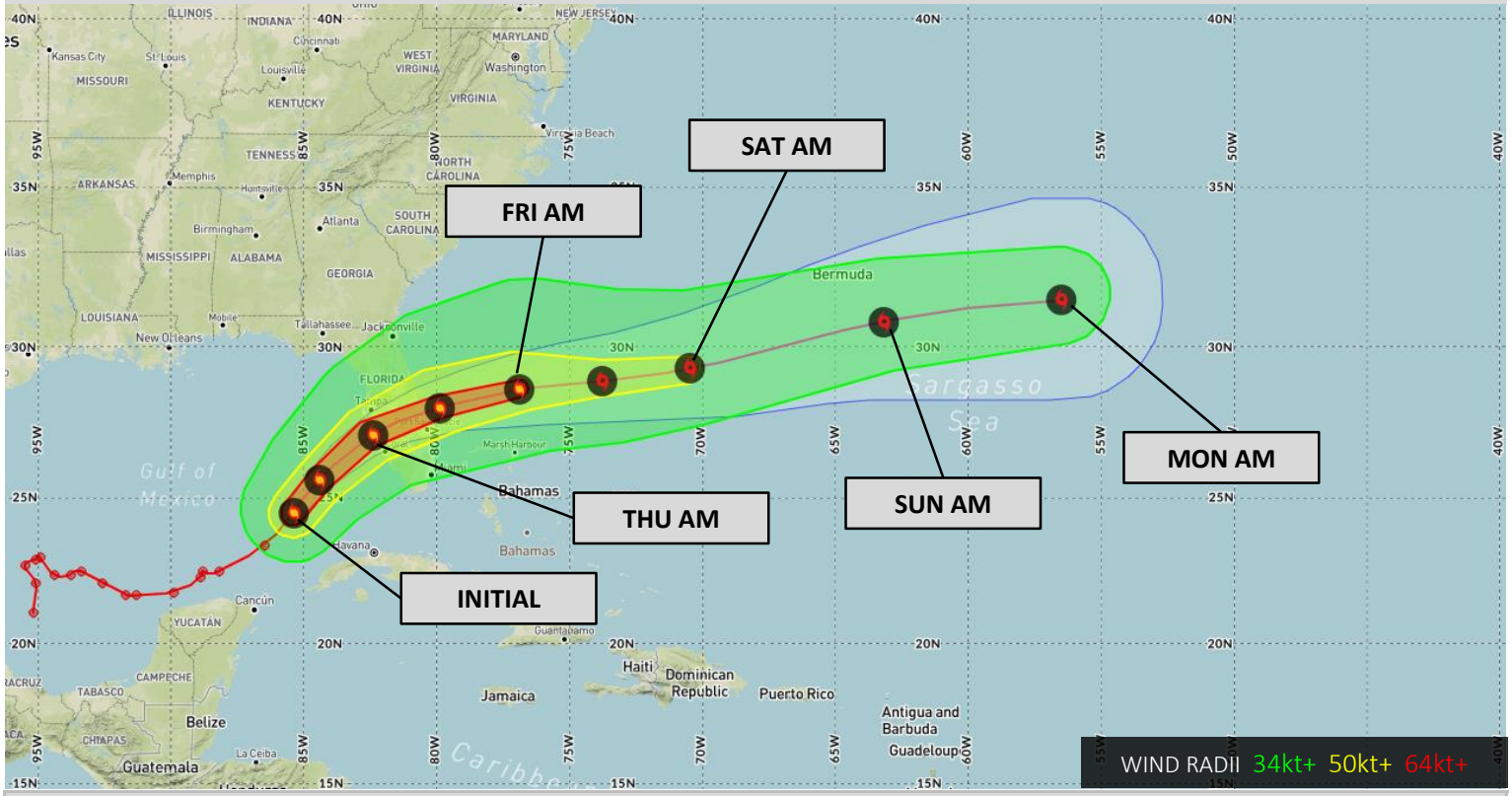
Active Storm Advisory

Major Hurricane Milton Advisory #17				Effective: October 9, 2024 0400 CDT
Storm Center	24.5N 85.4W			
Current Movement	Northeast at 12 knots.			
Sustained Winds/Gusts	140 knots / 170 knots			
34kt Wind Radii	100 NE	100 SE	100 SW	110 NW
50kt Wind Radii	45 NE	50 SE	50 SW	50 NW
64kt Wind Radii	25 NE	25 SE	25 SW	25 NW
Forecast Trend	Milton is expected to track northeast as a major hurricane prior to landfall across central Florida late this evening and into Thursday morning.			

FORECAST TRACK



Forecast Positions and Max Winds

Track Forecast Confidence: High | **Intensity Forecast Confidence: Moderate-High**

Storm Center Time/Date (CDT)		UTC Time	Position		Sustained Winds		Motion	Category*
+0 hr	Wed, Oct 9 0400	0900	24.5N	85.4W	140 KT	160 MPH	NE 12 KT	CAT 5
+12 hr	Wed, Oct 9 1300	1800	25.6N	84.4W	130 KT	150 MPH	NE 12 KT	CAT 4
+24 hr	Thu, Oct 10 0100	0600	27.1N	82.4W	115 KT	130 MPH	ENE 12 KT	CAT 4
+36 hr	Thu, Oct 10 1300	1800	28.0N	79.9W	70 KT	80 MPH	ENE 14 KT	CAT 1
+48 hr	Fri, Oct 11 0100	0600	28.6N	76.9W	65 KT	75 MPH	E 14 KT	CAT 1
+60 hr	Fri, Oct 11 1300	1800	28.9N	73.8W	55 KT	65 MPH	E 15 KT	TS
+72 hr	Sat, Oct 12 0100	0600	29.3N	70.5W	50 KT	60 MPH	ENE 16 KT	TS
+96 hr	Sun, Oct 13 0100	0600	30.8N	63.2W	40 KT	45 MPH	E 14 KT	TS
+120 hr	Mon, Oct 14 0100	0600	31.5N	56.5W	35 KT	40 MPH	E 14 KT	TS
+144 hr	--	--	--	--	--	--	--	--
+168 hr	--	--	--	--	--	--	--	--

Prepared by WeatherOps Forecaster: Howson | 405.801.3919 | WeatherOps.com

*Saffir Simpson Scale

Active Storm Advisory

Major Hurricane Milton Advisory #17 | Effective: October 9, 2024 0400 CDT

Changes from Previous Advisory

No significant changes.

Marine Weather Impacts

Winds: Milton remains a compact system. Gales currently extend roughly 100NM out and will slowly increase out to 240NM in the next 48 hours. Hurricane-force winds will remain within the closest 40NM of the center up until landfall before beginning to contract.

Seas: Rough seas will encompass most of the Gulf of Mexico through Thursday morning, extending to the FL and LA coastlines. Very rough to high seas will extend up to 100-200NM out, highest further west. By the end of the week, seas will begin to decline across the region as Milton makes landfall and progresses further east. The current maximum significant wave height is estimated at 8.0m (26ft).

Onshore Impacts

Florida: Tropical storm conditions may develop across the west coast of Florida throughout today. Tropical storm conditions may extend beyond 40-80 miles of the center of the system, with gales extending across the Florida peninsula. Hurricane force winds will be seen Wednesday evening and Thursday near the core of the storm as it moves across the state. 6-8" of rain will be widespread in central Florida, with up to 10-12" possible near landfall. Locally higher amounts may be possible. Storm surge up to 5-10ft is expected across the west coast with locally up to 10-15ft possible in some areas, primarily near Tampa Bay. Tornadoes are possible within the spiral rainbands before and after landfall. High seas will likely lead to very dangerous surf conditions and rip currents near the coastlines.

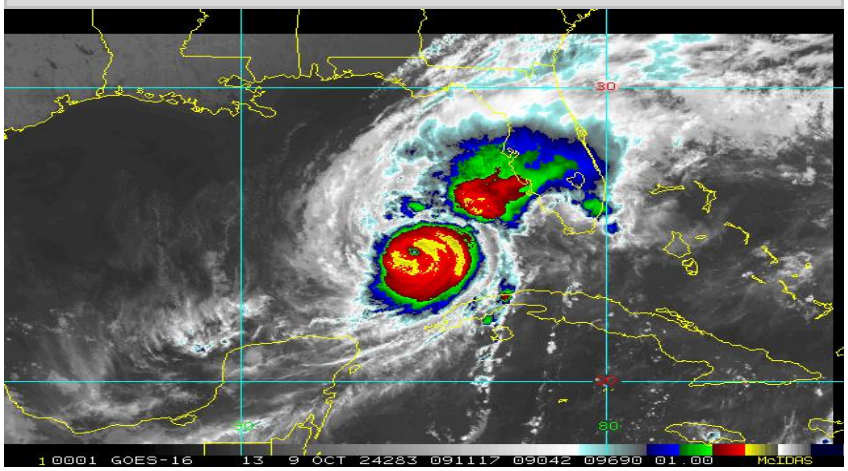
Forecast Discussion

Observational Perspective: Milton remains compact as deep convection surrounds a visible eyewall. Decent outflow remains evident with rain banding near the southern edge of the system. Scattered convection is spreading poleward which may hint to increased vertical wind shear north of the system. Overall, Milton has maintained a well-defined structure as it tracks within a more favorable environment. Current maximum sustained winds have been measured at 140kt (160mph).

Intensity Forecast: Hurricane Milton continues to track within more favorable conditions of very warm seas, low to moderate wind shear, and sufficient moisture. As the system is guided further northeast, vertical wind shear may increase which will work to limit the peak intensity. Regardless, the pre-existing warm seas and moisture will persist which will ultimately fuel the ongoing development. Some weakening remains possible; however, Milton is likely to maintain hurricane status just before landfall later this evening and into Thursday morning. As the system is guided into the Atlantic by the end of the week, the increased vertical wind shear and drier air may create a less favorable environment allowing Milton to weaken. Confidence remains high in the near-term though becomes more moderate towards landfall as the system potentially encounters less favorable conditions.

Track Forecast: Milton continues to track to the northeast as it guided by a strong short-wave trough to the north and developing low pressure near Florida. Further small shifts in landfall location remain possible, but consensus on landfall slightly south of Tampa Bay is expected. After moving through Florida, Milton will continue east into the Atlantic. Confidence remains high in the track forecast.

Infrared Satellite



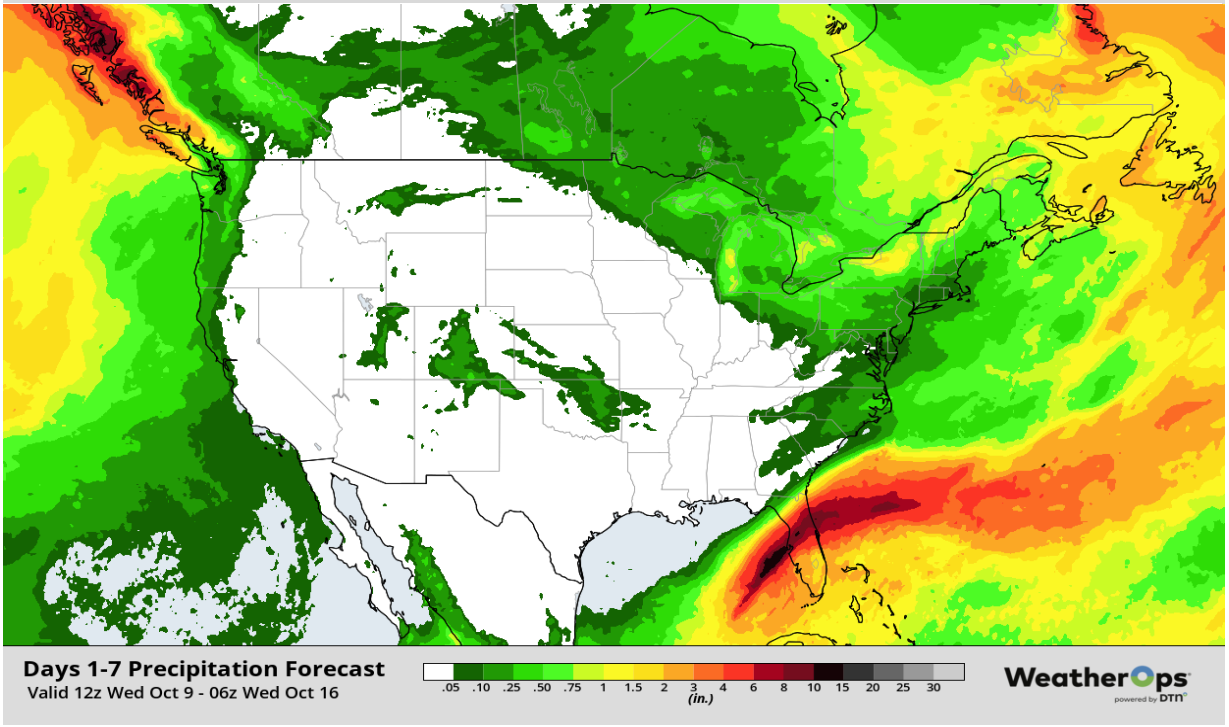
DTN

WeatherOps' next advisory will be issued at 1000 CDT

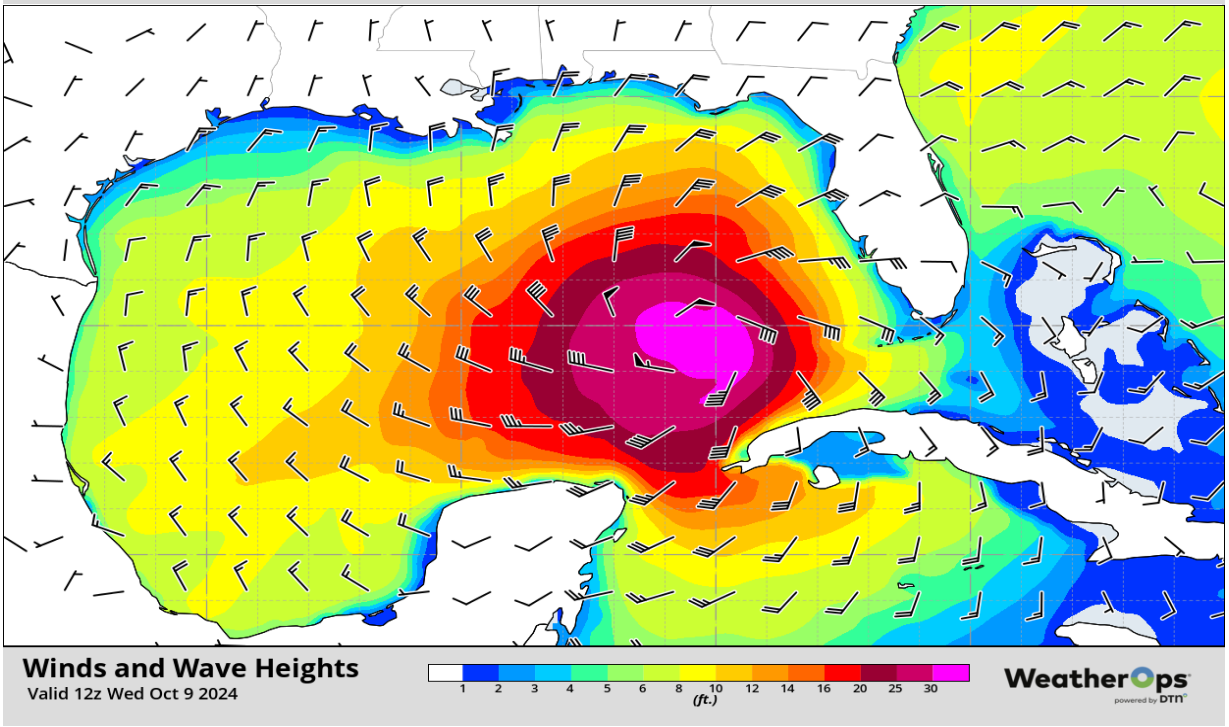
Prepared by WeatherOps Forecaster: Howson | 405.801.3919 | WeatherOps.com

Active Storm Advisory

WeatherOps Precipitation Forecast Through 0600 UTC Tuesday, Oct 15th



WeatherOps Winds and Combined Seas, 1200 UTC Wednesday October 09, 2024



Major Hurricane Milton Advisory #17 Effective: October 9, 2024 0400 CDT

Forecast 34 Knot (39 mph) Wind Radii

Forecast Positions					Forecast Gale Radii (nm)			
Storm Center Time/Date (CDT)		UTC Time	Position		NE	SE	SW	NW
+0 hr	Wed, Oct 9 0400	0900	24.5N	85.4W	100	100	100	110
+12 hr	Wed, Oct 9 1300	1800	25.6N	84.4W	125	110	100	125
+24 hr	Thu, Oct 10 0100	0600	27.1N	82.4W	165	130	100	150
+36 hr	Thu, Oct 10 1300	1800	28.0N	79.9W	210	150	130	180
+48 hr	Fri, Oct 11 0100	0600	28.6N	76.9W	240	150	125	185
+60 hr	Fri, Oct 11 1300	1800	28.9N	73.8W	190	145	115	160
+72 hr	Sat, Oct 12 0100	0600	29.3N	70.5W	150	120	115	150
+96 hr	Sun, Oct 13 0100	0600	30.8N	63.2W	120	95	95	120
+120 hr	Mon, Oct 14 0100	0600	31.5N	56.5W	100	85	85	100
+144 hr	--	--	--	--	--	--	--	--
+168 hr	--	--	--	--	--	--	--	--