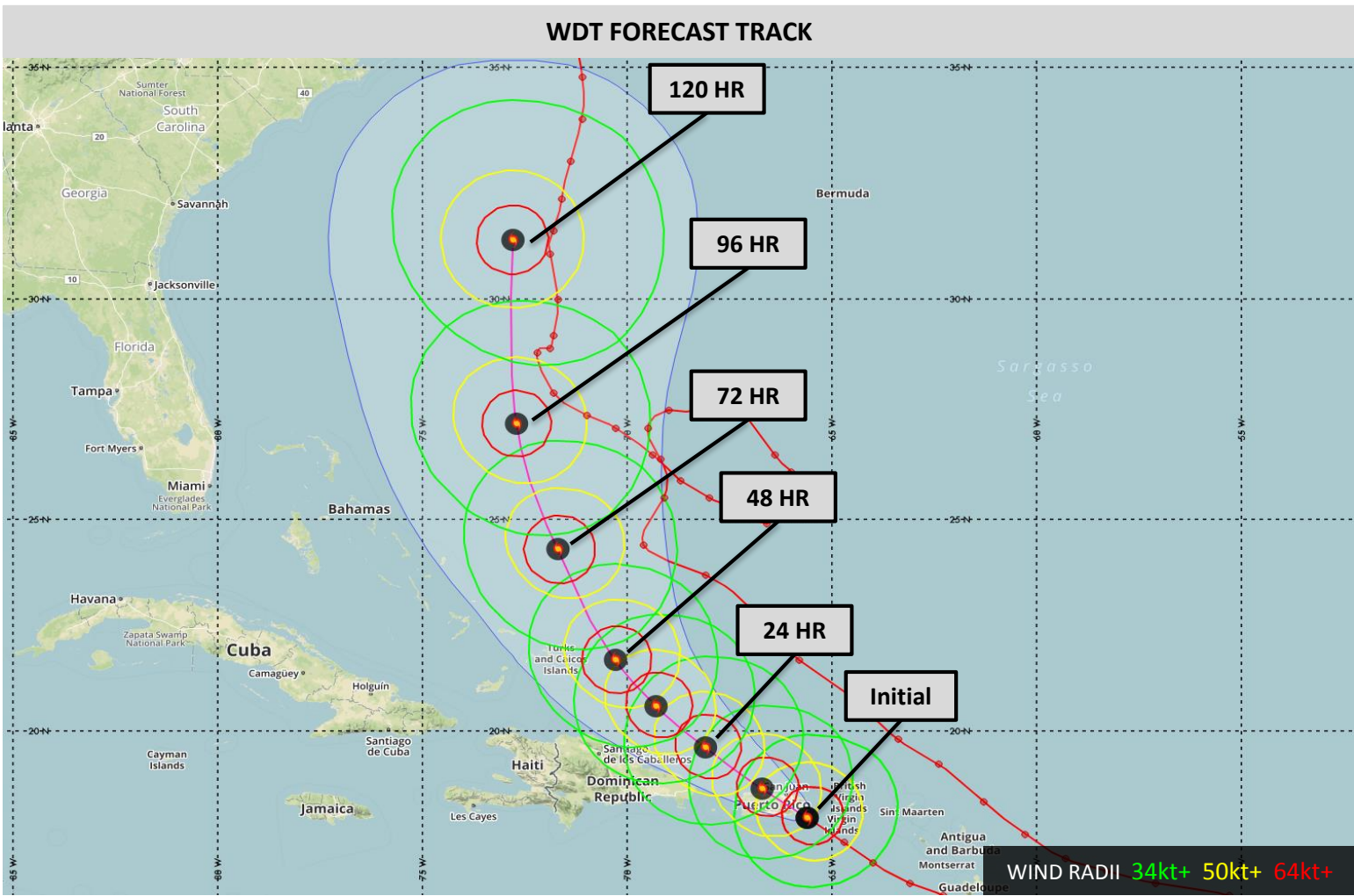


**Hurricane Maria Advisory #23A**

Effective: September 20, 2017 1200 UTC

<b>Storm Center</b>	18.2N 66.1W (10 nm SE of San Juan, Puerto Rico)			
<b>Current Movement</b>	NW at 9 knots			
<b>Sustained Winds/Gusts</b>	130 knots / 160 knots			
<b>34 kt Wind Radii</b>	130 NE	110 SE	100 SW	110 NW
<b>50 kt Wind Radii</b>	80 NE	70 SE	60 SW	80 NW
<b>64 kt Wind Radii</b>	50 NE	45 SE	35 SW	40 NW
<b>Forecast Trend</b>	The center is tracking through eastern Puerto Rico while producing devastating winds, rain, and flooding to the region.			



**WDT Forecast Positions and Max Winds**

Track Forecast Confidence: Average				Intensity Forecast Confidence: Average			
Date	Forecast Time/Hour	Position	Sustained Winds	Saffir-Simpson Scale			
Wed	Sep 20	1200 UTC	Initial	18.2N 66.1W	130 KT	150 MPH	CAT 4
Wed	Sep 20	1800 UTC	12 Hour	18.6N 66.7W	130 KT	150 MPH	CAT 4
Thu	Sep 21	0600 UTC	24 Hour	19.6N 68.1W	125 KT	145 MPH	CAT 4
Thu	Sep 21	1800 UTC	36 Hour	20.6N 69.3W	120 KT	140 MPH	CAT 4
Fri	Sep 22	0600 UTC	48 Hour	21.7N 70.3W	115 KT	130 MPH	CAT 4
Sat	Sep 23	0600 UTC	72 Hour	24.3N 71.7W	110 KT	125 MPH	CAT 3
Sun	Sep 24	0600 UTC	96 Hour	27.2N 72.7W	100 KT	115 MPH	CAT 3
Mon	Sep 25	0600 UTC	120 Hour	31.3N 72.8W	90 KT	105 MPH	CAT 2

### Changes from Previous Advisory

No significant changes from the previous advisory.

### Marine Weather Impacts

Tropical storm force winds currently extend out 130 nm from the center and will expand to 200+ nm during the next 5 days. Hurricane force winds extend 50 nm from the center.

Very rough seas extend out 220+ nm from the center and will expand to 300+ nm over the next 5 days. Very high to phenomenal seas expected within 50 nm of the center.

### Onshore Impacts

**Guadeloupe to Anguilla:** Tropical storm force winds, moderate storm surge, and heavy rainfall will continue through the next 6 hours or so.

**Puerto Rico and Virgin Islands:** Life-threatening, and potentially catastrophic, impacts are ongoing for the region. Winds in excess of 150 mph, 6 to 12 feet of storm surge, and 12 to 18 inches of rain with locally higher amounts are forecast to occur.

**Hispaniola:** Heavy rainfall in excess of 10 inches and tropical storm conditions will be possible today through Thursday for much of the Dominican Republic.

**Turks and Caicos:** Tropical storm conditions are forecast for this area Thursday night through Friday.

**Bahamas:** The current forecast track brings Maria just east of most of the Bahamas. Winds just below tropical storm force could be possible, along with rainfall amounts of 2-4 inches.



WDT's next advisory will be issued at 1500 UTC

### WDT Forecast Discussion

**Observational Perspective:** Satellite imagery shows the center of Maria is swiftly tracking through eastern Puerto Rico and the eyewall is beginning to breakdown due to land interaction. Latest observations show Maria has weakened to 13 knots.

**Intensity Forecast:** Maria has weakened since the previous update, and will continue to weaken a bit due to landfall. After emerging over the north side of Puerto Rico, Maria is expected to maintain a very gradual weakening trend as the environment remains mostly conducive for tropical cyclones, minus a slowly increasing threat for wind shear that will deter any re-strengthening.

**Track Forecast:** There are no significant changes to the track forecast for Maria. The system will continue to the northwest over the next 36-48 hours, with landfall over Puerto Rico in the next few hours. Beyond this timeframe, as Maria rounds the western periphery of a subtropical ridge, a northward turn is expected towards the region where Tropical Storm Jose currently lies. It must be noted that there is still variability in the track forecast beyond day 4, with that variability due to Jose's intensity at that time.

Infrared Satellite Image

