

### Tropical Season 2015 – Bermuda Tropical Cyclone Summary Table

Storm Name	Month	Watch/Warning Issued for Bermuda	Maximum Wind Speed at LF Wade (10min averaging)	Maximum Wind on/near Island	Significant Surge, Swell, Rainfall &/or Flooding	CPA & other notes	Verification
<b>TS Henri</b>	September 9 <sup>th</sup> -11 <sup>th</sup>	Potential Threat was issued on TUB at 1am on September 9 <sup>th</sup> and continued through 12pm September 10 <sup>th</sup> as Henri passed its CPA to the east.	N/A **Strong winds on 11 <sup>th</sup> were associated with an independent trough	N/A	Moderate easterly swells	201nm ESE at 6am September 10 <sup>th</sup>	Some evidence in wave models?
<b>TS Ida (distant SE)</b>	September 23 <sup>rd</sup> -27 <sup>th</sup>	Small craft warning issued 0530hrs 25 <sup>th</sup> for building/rough swells into weekend of 26-27 <sup>th</sup>	N/A **Strong winds developing late on 26 <sup>th</sup> were not directly attributable to Ida.	N/A	East/southeast swells becoming rough	968nm to the SE 6pm September 27 <sup>th</sup> (as per last NHC advisory)	Models did suggest building SE swells emanating from Ida.
<b>Hurricane Joaquin</b>	October 4 <sup>th</sup> -5 <sup>th</sup>	Tropical Storm Warning/ Hurricane Watch issued 1145hrs on 2 <sup>nd</sup> for tropical storm force winds, risk of hurricane force winds. Also large/ dangerous seas & swells. Upgraded to Hurricane Warning at 2330hrs on 3 <sup>rd</sup> with specific wording of	Sustained 49 knots on RWY30 end at 2011hrs & 2205hrs on 4 <sup>th</sup> . Gust to 63 knots on RWY30 end at 2007hrs	80g100kt at RCC Bermuda Radio at around 2200hrs (very elevated at 290ft) Crescent (North	Esso Pier tide gauge indicated minimal surge <1ft. Swell & waves significant with seas to 30ft or more early on 5 <sup>th</sup>	59nm to WNW 9pm on 4 <sup>th</sup> Possible evidence of tornadic activity on radar. SPC via NHC relayed this risk and wording was	The ECMWF model had a good handle on track from very early on. All other main models were poor with track until as late as Saturday 3 <sup>rd</sup> .

		hurricane force winds in west/elevation. Hurricane Warning downgraded to Tropical Storm Warning at 0300hrs on 5 <sup>th</sup> . This was finally ended at 1500hrs later on 5 <sup>th</sup>		Channel marker) was 55g69kt at 2254hrs		added to some NHC public hazard advisories for Bermuda.	Once track was settled on during Saturday, Hurrevac had a good handle on estimated wind speeds across the Island (e.g. Somerset, St Georges). Tropical Storm Warning verified for all areas, Hurricane Warning for elevated areas and 'maybe' west marine area.
<b>Hurricane Kate</b>	November 11 <sup>th</sup> (Remembrance Day)	Small Craft Warning (winds and seas)	27 knots around 16Z gusting to 33 knots	29 knots (0340Z) with gusts to 44 knots(1150Z) & 49 knots (2020Z) at Comm's Pt. 25-30 knots with gusts to 38 knots	Rough southeast swells developed, gradually veering southwest, seas to around 10-11ft (as per OPC analyses)	Forecast CPA 185nm to NNW at 4am Nov 11 <sup>th</sup> . Actual CPA based on Hurrevac plot approx. 220nm to NNW.	A rather surprising situation, whereby the CMC was actually the first model to hint at Kate's development (5 <sup>th</sup> Nov), and

				(0440Z & 8Z) at RCC Bermuda Radio		Of note also, according to the NHC, Kate was the latest hurricane on record to develop in the Northwest Atlantic north of 35°N and west of 65°W	suggest a reasonably close passage past Bermuda to the north. Some evidence in the UKMO MOGREPS product. Other models then gradually came on board.