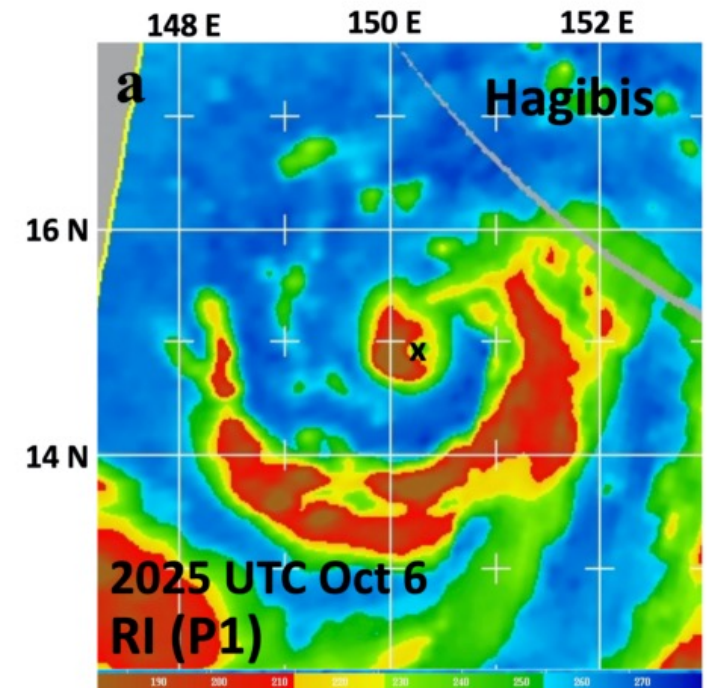
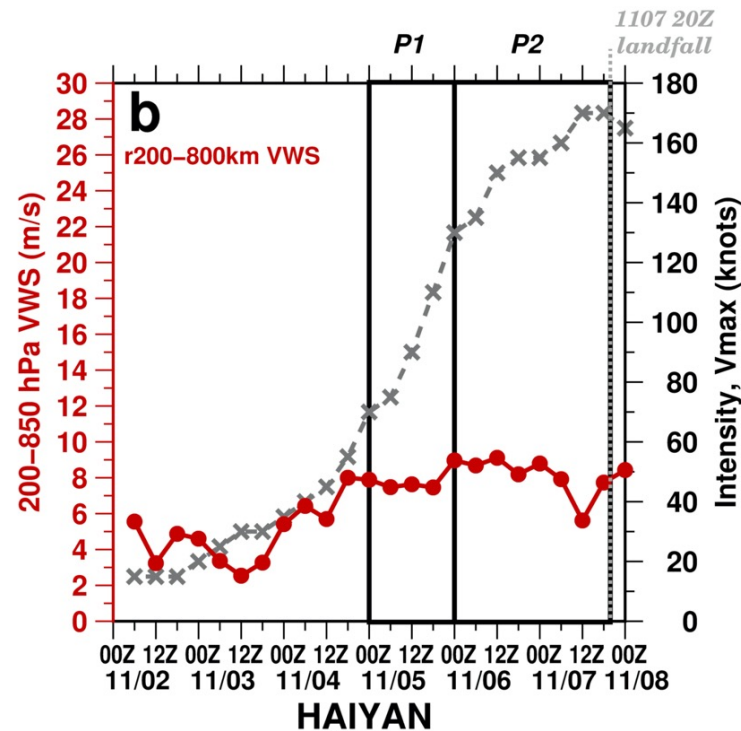
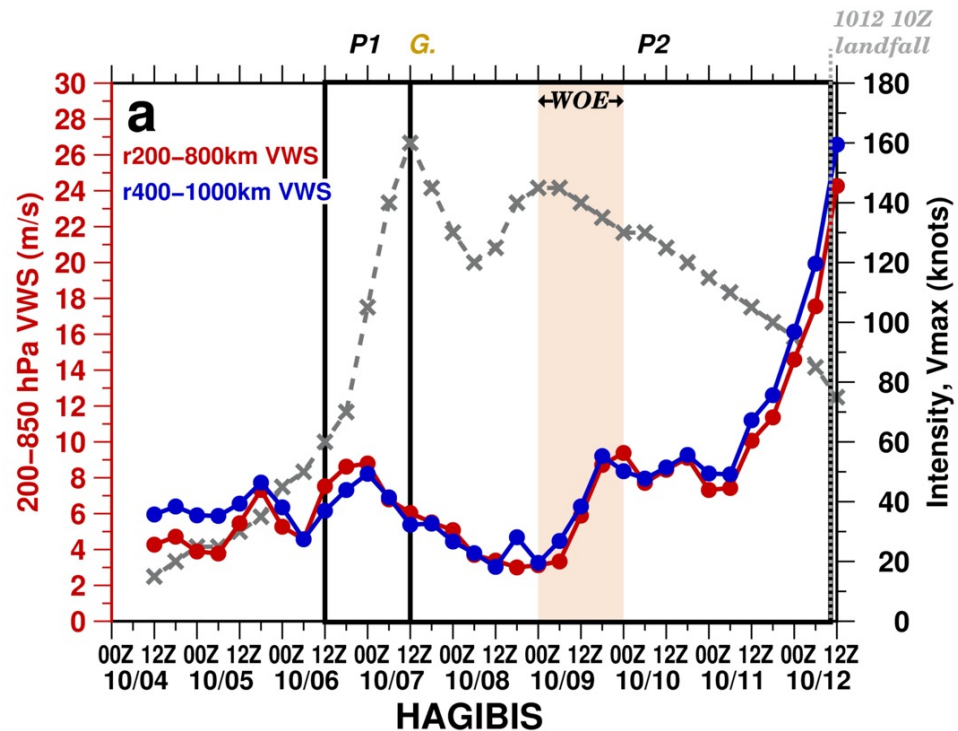
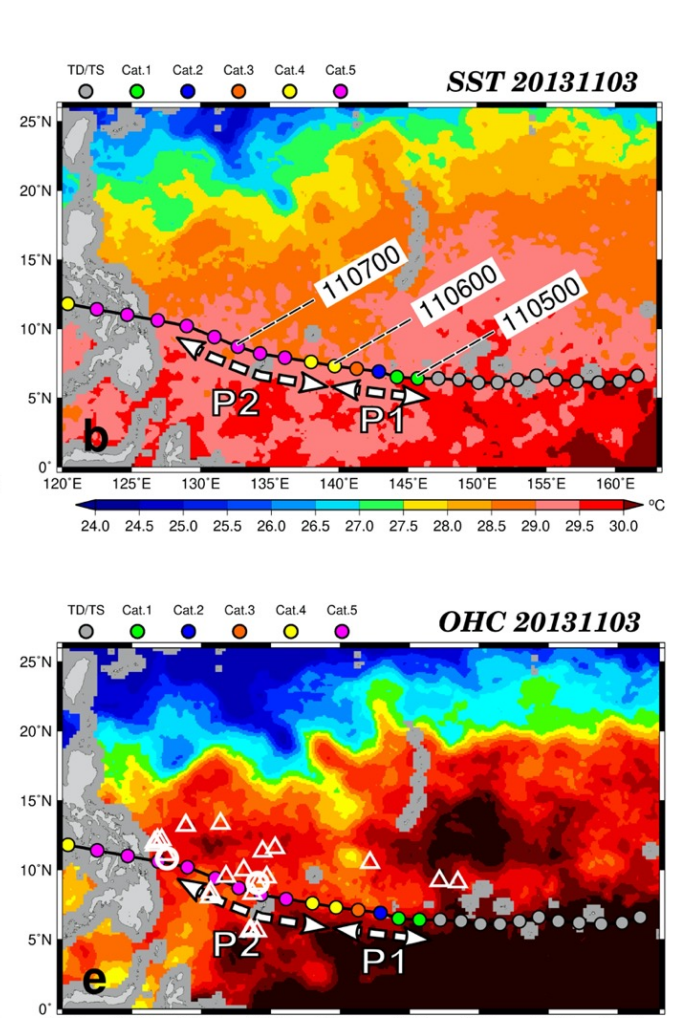
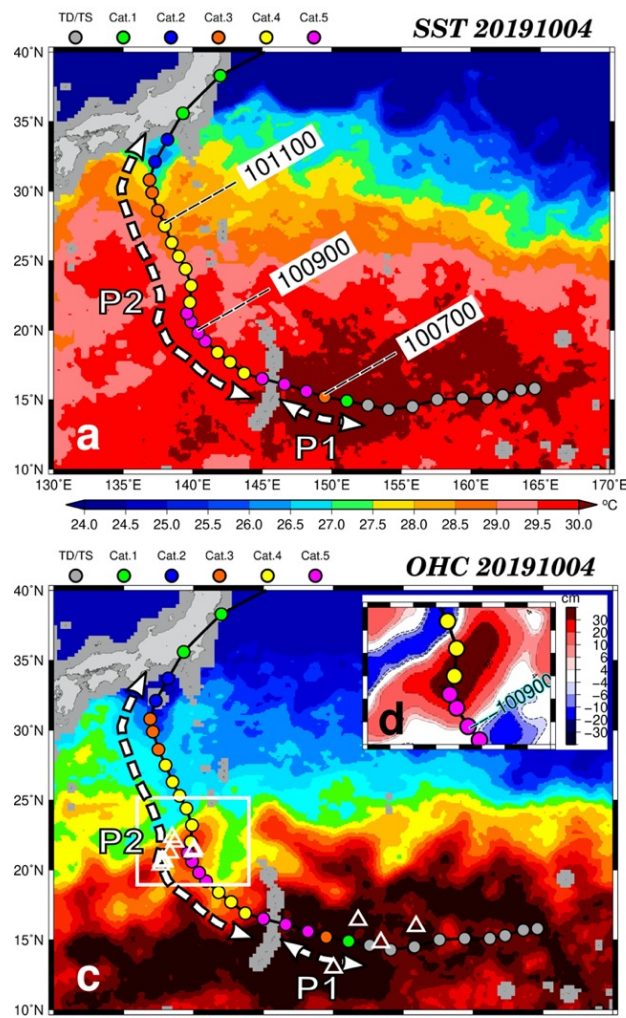
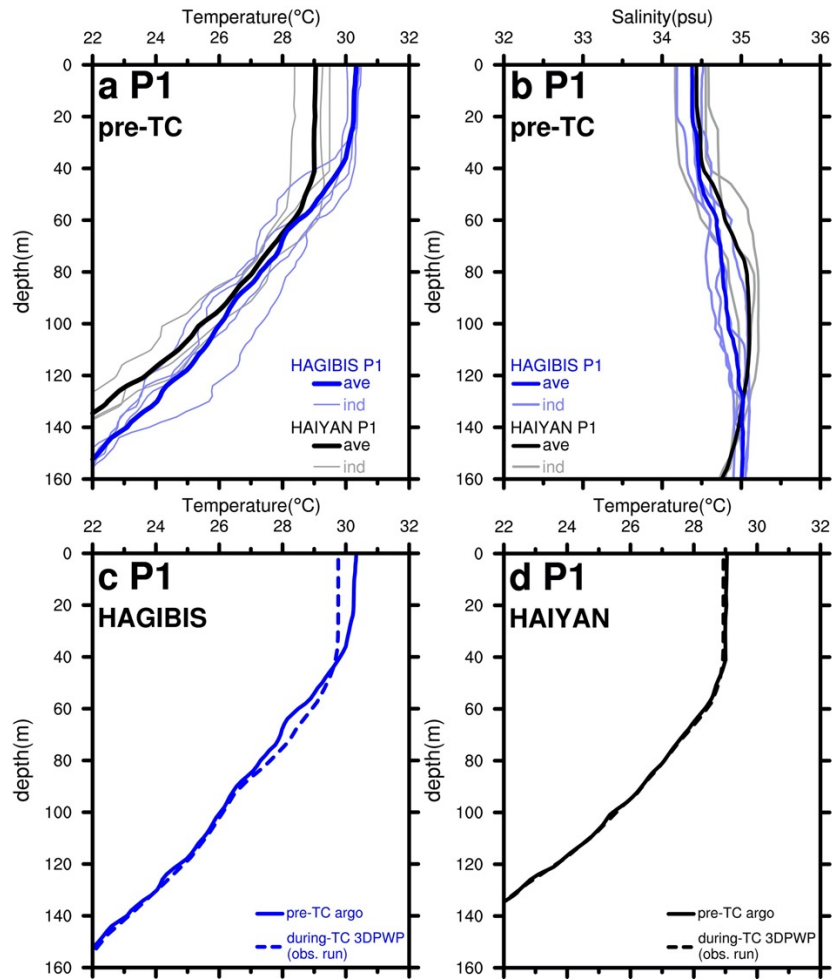


Ocean Interaction and the Intensity Evolution of Two High-Impact Super Typhoons: Hagibis (2019) and Haiyan (2013)

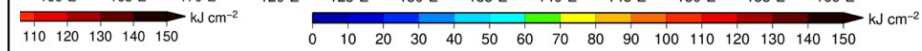
I-I Lin (NTUAS, Dept. of Atm. Sci., National Taiwan University, Taiwan), Robert F. Rogers (NOAA/HRD, Hurricane Research Division), Ya-Ting Chang (NTU AS), Hsiao-Ching Huang (NTUAS), Yi-Chun Liao, (NTUAS), Derrick Herndon (CIMSS/Univ. of Wisconsin, USA), Jin-Yi Yu (UC Irvine, USA), Chun-Chi Lien (NTUAS), Jun A. Zhang (NOAA/HRD), Christina M. Patricola (Univ. of Iowa, USA), & Iam-Fei Pun (National Central Univ., Taiwan)

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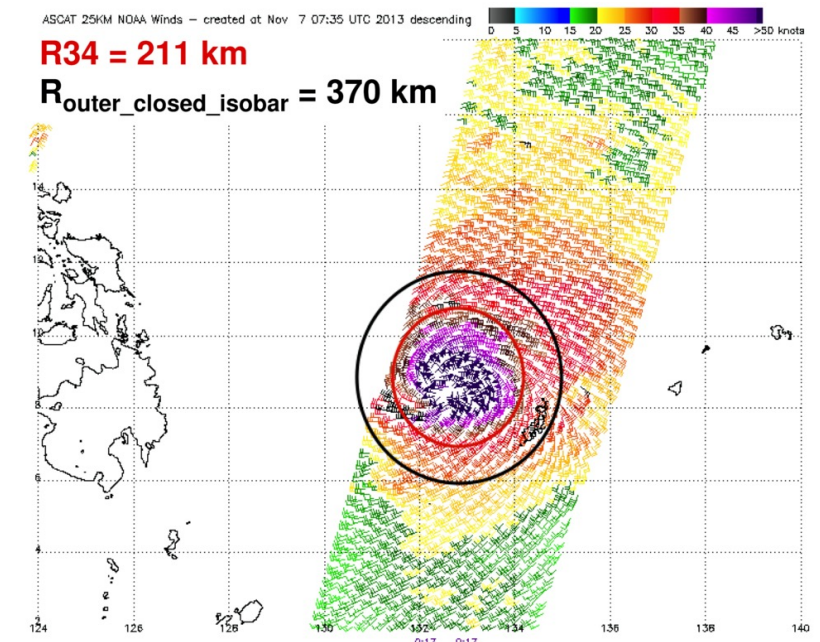
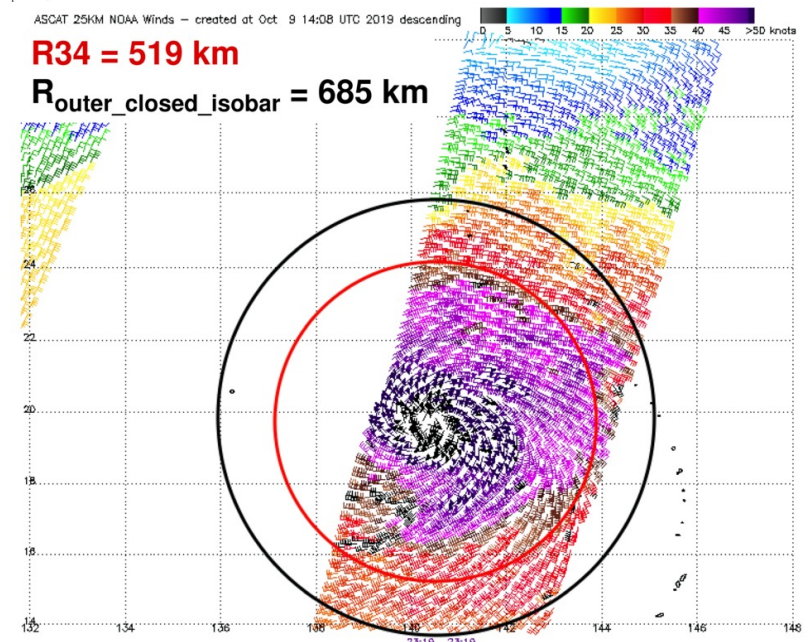
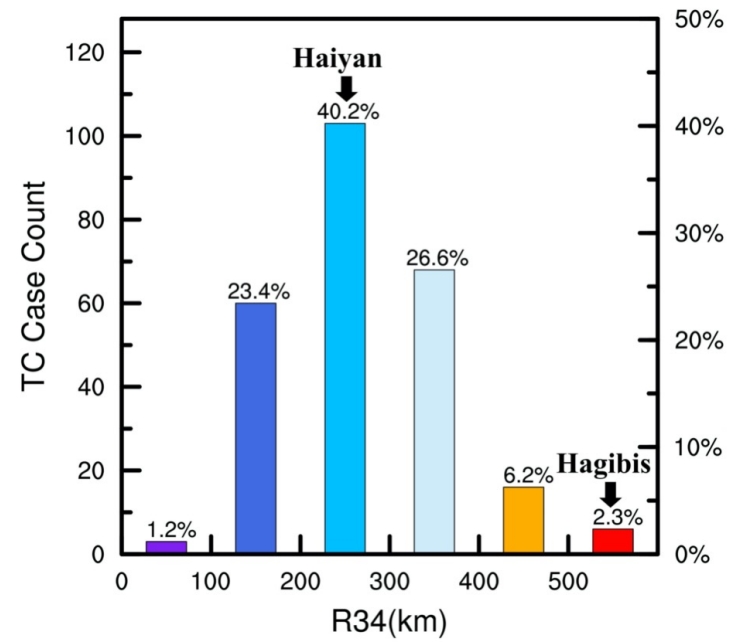
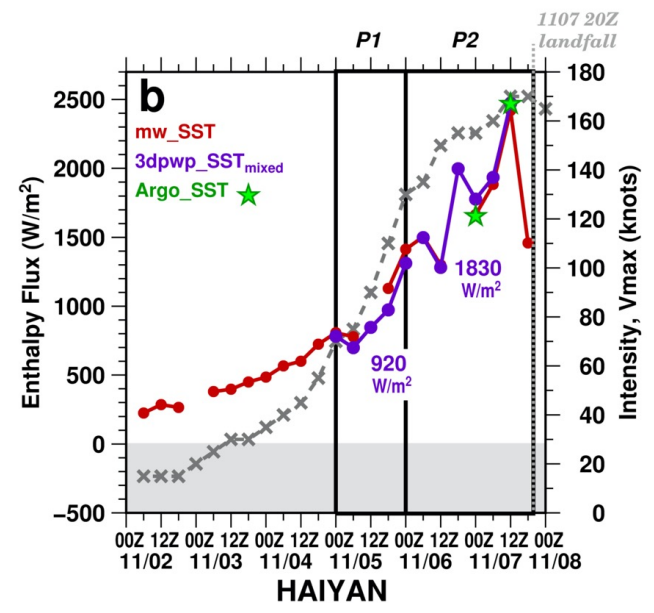
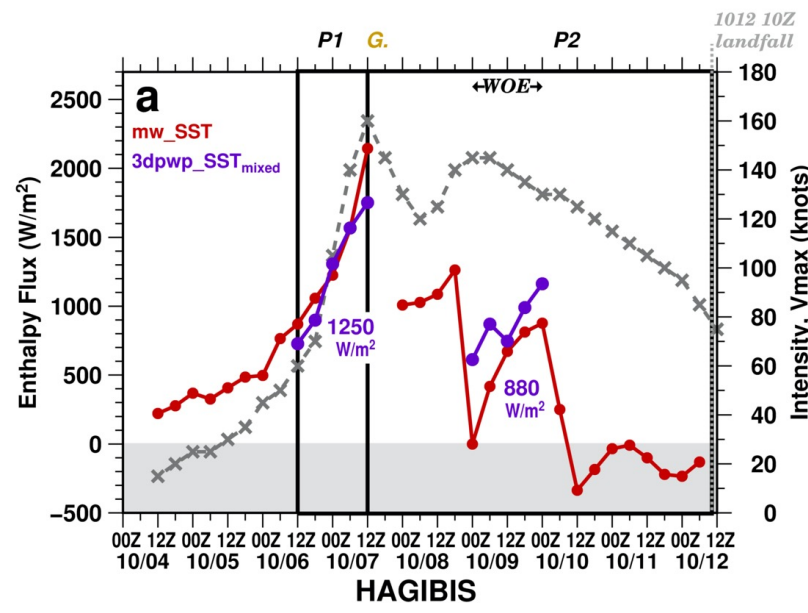
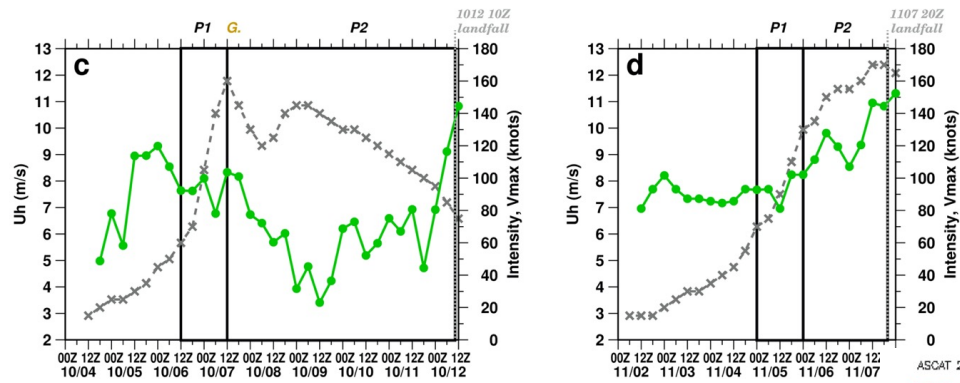
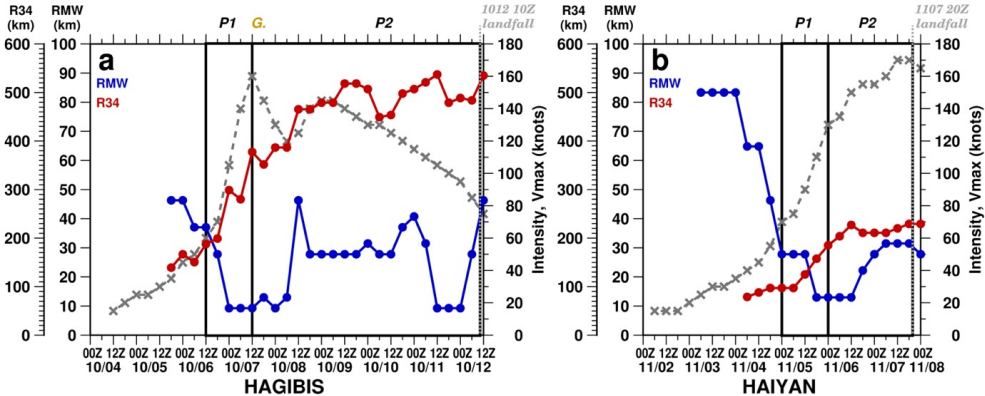




a. P1 (Obs. run)	SST _{duringTC} (°C) [3DPWP]	T _a (°C) [CFS]	q _s (g kg ⁻¹) [SST _{duringTC}]	q _a (g kg ⁻¹) [CFS]	Δ T (°C)	Δ q (g kg ⁻¹)	SHF (W m ⁻²)	LHF (W m ⁻²)	Total Flux (W m ⁻²)
Hagibis obs. run	29.76 ±0.30	28.42 ±0.35	25.74 ±0.31	19.33 ±0.28	1.34 ±0.60	6.42 ±0.25	82 ±23	1169 ±433	1250 ±433
Haiyan obs. run	28.94 ±0.05	27.78 ±1.11	24.61 ±0.16	19.37 ±0.23	1.15 ±1.10	5.24 ±0.09	69 ±65	853 ±212	923 ±240



ADuring TC SST)=
 (Pre_TC SST) – (Cooling effect)
 Cooling effect: TC wind speed, U_{h,size}, and
 pre-TC ocean T/S profiles



Storm number: 20 Storm name: HAGIBIS
 Note: 1) Times are GMT 2) Times along bottom correspond to measurement at 22N
 3) Data buffer is 22 hrs from Oct 9 14:08 UTC 2019 4) Black wind bars indicate possible contamination

Storm number: 31 Storm name: HAIYAN
 Note: 1) Times are GMT 2) Times along bottom correspond to measurement at 10N
 3) Data buffer is 22 hrs from Nov 7 07:35 UTC 2013 4) Black Circles indicate possible contamination