

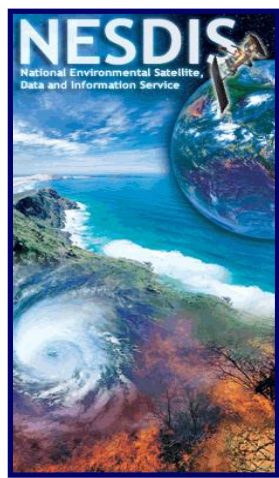


Operational Tropical Cyclone Satellite Products Available from NOAA/NESDIS/OSPO

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The NOAA National Environmental Satellite and Data Information Service (NESDIS) Office of Satellite Processing and Operations (OSPO) is distributing and developing numerous satellite products for use by the tropical forecasting community. This poster presentation provides a snapshot of the products, including basic requirements and environmental parameters for utilization in tropical cyclone applications.

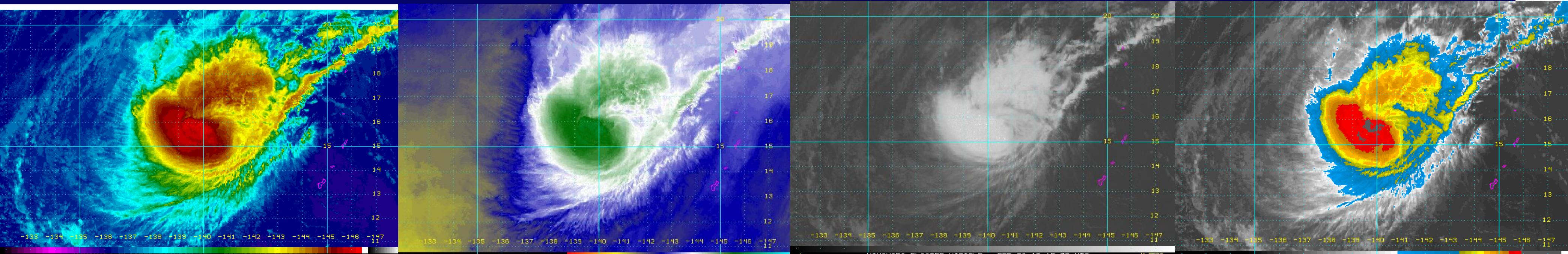
Operational Products

Imagery by Sector and Storm Floater

8km, 30/60 minute tropical sectors and 1-5km, 30 minute storm image floaters.

Data Source: GOES & MTSAT VIS/IR/WV

Formats: JPG



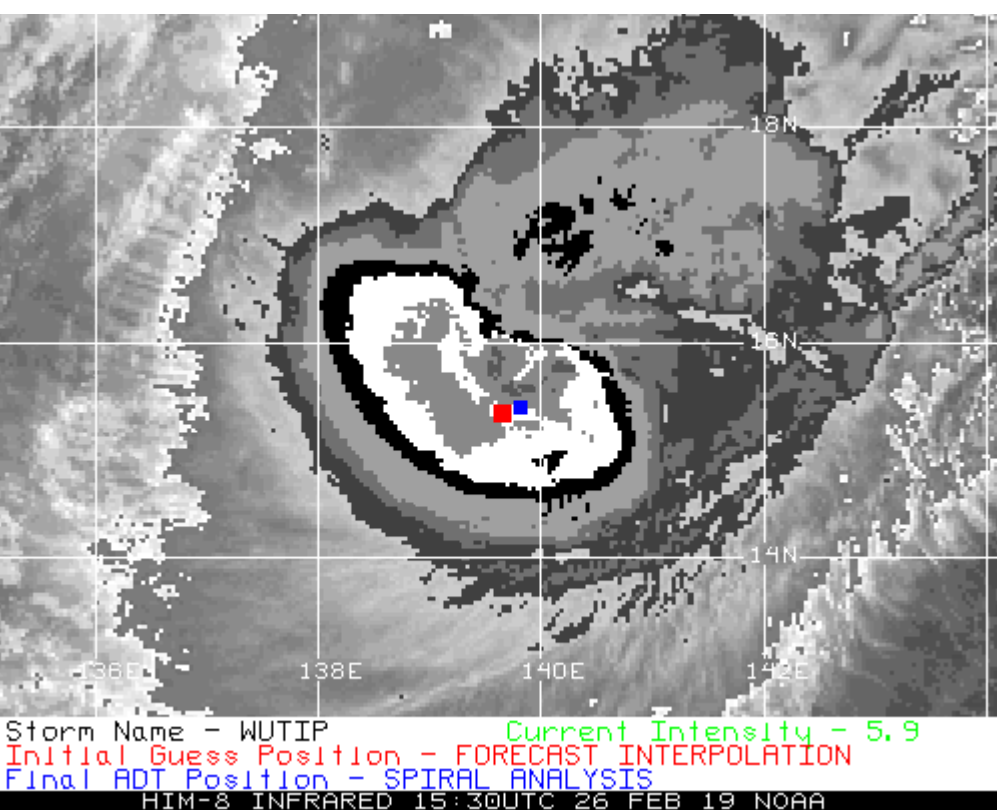
ADT (Advanced Dvorak Technique)

4km, 30 minute automated storm classifier used as an independent, objectively derived data source in the generation of the consensus (best) estimate of tropical storm intensity and location.

Data source: GOES15/16, Himawari-8, METEOSAT, GCOM, GPM, SSMI/SSMIS

Formats: ASCII, PNG

Pre-Operational: ADTv9.0/GOES17



===== ADT-Version 8.2.1 =====

---Intensity--- -Tno Values--- -Tno/CI Rules--- -Temperature-

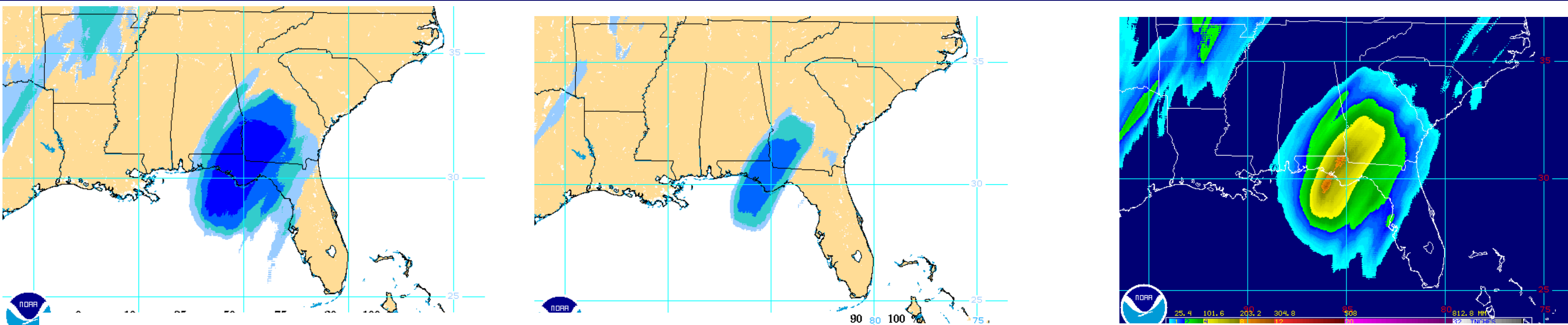
Time	MSLP/Vmax	Fnl Adj Ini	Cnstrnt Wkng Rpd	Cntr Mean	Scene EstRMW	MW	Storm Location	Fix
2019FEB26 143000	6.0	948.2 115.0	5.3 5.3 4.4	0.77/6hr	ON FLG -50.48 -63.15	UNIFRM	N/A	72.8 16.34 -139.99 SPRL
2019FEB26 140000	6.0	948.1 115.0	5.3 5.3 4.4	0.77/6hr	ON FLG -47.24 -60.72	UNIFRM	N/A	72.8 16.52 -140.13 SPRL
2019FEB26 133000	6.0	948.6 115.0	5.3 5.3 4.7	0.77/6hr	ON FLG -72.38 -72.38	UNIFRM	N/A	72.8 15.46 -139.54 SPRL
2019FEB26 130000	6.0	948.6 115.0	5.4 5.3 4.7	0.77/6hr	ON FLG -72.27 -72.33	UNIFRM	N/A	72.8 15.45 -139.55 SPRL

eTRaP (Ensemical Rainfall Potential)

8km, 6 and 24 hour QPF rain rates and POPs

Data source: NOAA-18/19(AMSU), Metop-A/B(AMSU), SNPP/NOAA20(ATMS), GPM/GMI, GCOM/AMSR, SSMI/SSMIS, GHE

Formats: McIDASble Trop, ASCII, GIF



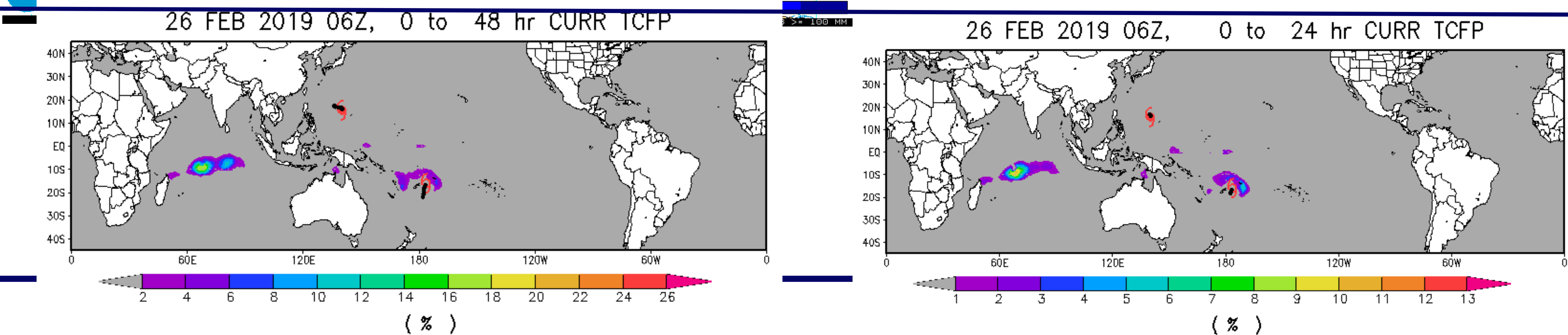
TCFP (Tropical Cyclone Formation Probability)

5°x5°, 6 hour objective probability estimates of the tropical cyclone formation within the next 48 hours.

Data source: GOES15/16, METEOSAT& HAMAWARI WV

Formats: PNG, ASCII

Pre-Operational: GOES17



SAB Intensities and Positions

Subjective intensity and position estimates are issued for all global TDs and TCs. Text Bulletins are issued for the Eastern and Southern Hemispheres (West Pacific, South Pacific, South Atlantic, North & South Indian Oceans).

TXPN27 KNES 160911

SIMWIR

A. 12W (FANAPI)

B. 16/0832Z

C. D. 128.0E

D. 21.5N

E. THREE/MTSAT

F. T3.5/3.5/D1.0/24HRS

G. IR/IR/VIS/AMSU

H. REMARKS...FT BASED ON MET. DT IS 3.0 WITH 7 TENTHS

BANDING BUT PT

IS 4.0.

I. ADDL POSITIONS

16/0442Z 21.4N 127.8E AMSU

DATE/TIME LAT LON CLASSIFICATION STORM

16/1145 UTC 19.8N 92.3W T4.5/4.5 KARL -- Atlantic

16/1145 UTC 20.9N 56.9W T6.0/6.0 IGOR -- Atlantic

16/1145 UTC 21.8N 37.6W T4.0/4.0 JULIA -- Atlantic

16/0832 UTC 21.5N 128.0E T3.5/3.5 FANAPI -- West Pacific

16/0615 UTC 19.3N 91.2W T3.5/3.5 KARL -- Atlantic

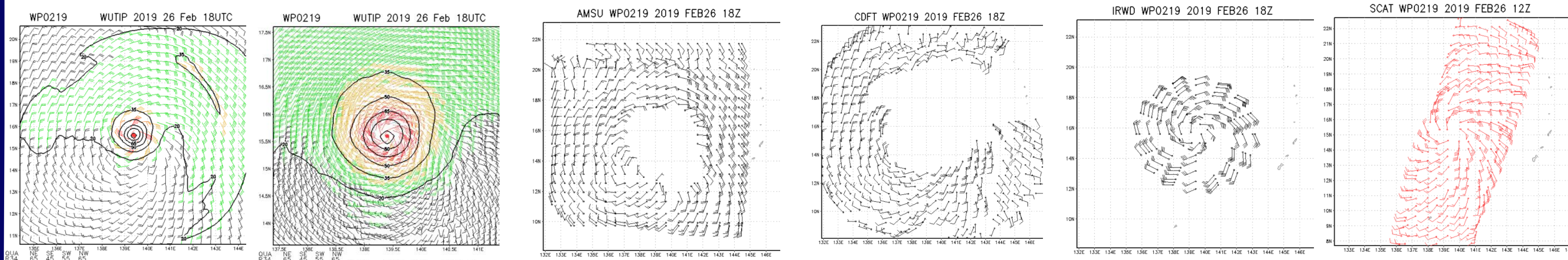
MTCSWA (Multi-Platform Surface Wind Analysis)

5km, 6 hour objective guidance of 34-, 50-, and 64-kt winds for tropical cyclone analysis and forecasting .

Data Source: GOES15/16, Himawari, Meteosat, N18/19, Metop-A/B

Formats: ASCII, PNG,ATCF

Pre-Operational: SNPP,NOAA20,Goes17



Microwave Sounder-based Tropical Cyclone Products

Provide estimates of tropical cyclone maximum wind speed, minimum sea level pressure, radii of 34, 50, and 64 knot winds in 4 quadrants relative to the storm center, and balanced horizontal winds from 1000 to 200 mb within 600 km of the storm center

Data source: NOAA-18/19(AMSU),Metop-A/B(AMSU), SNPP(ATMS)

Formats: NetCDF, ATCF

Pre-Operational: NOAA20

