



Aircraft Reconnaissance of Tropical Cyclones Over South China Sea (updates in 2015)

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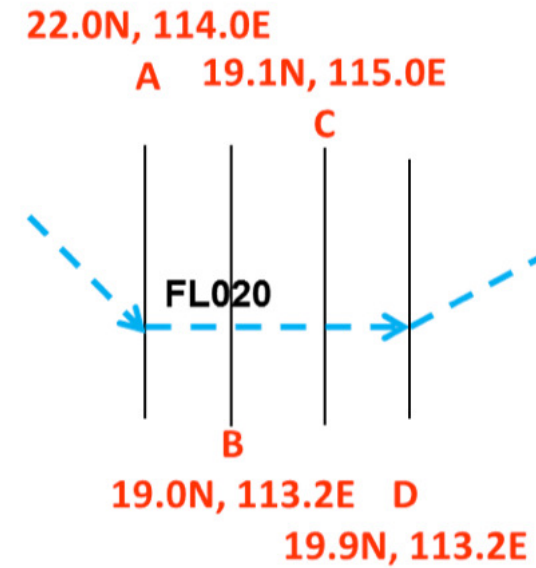
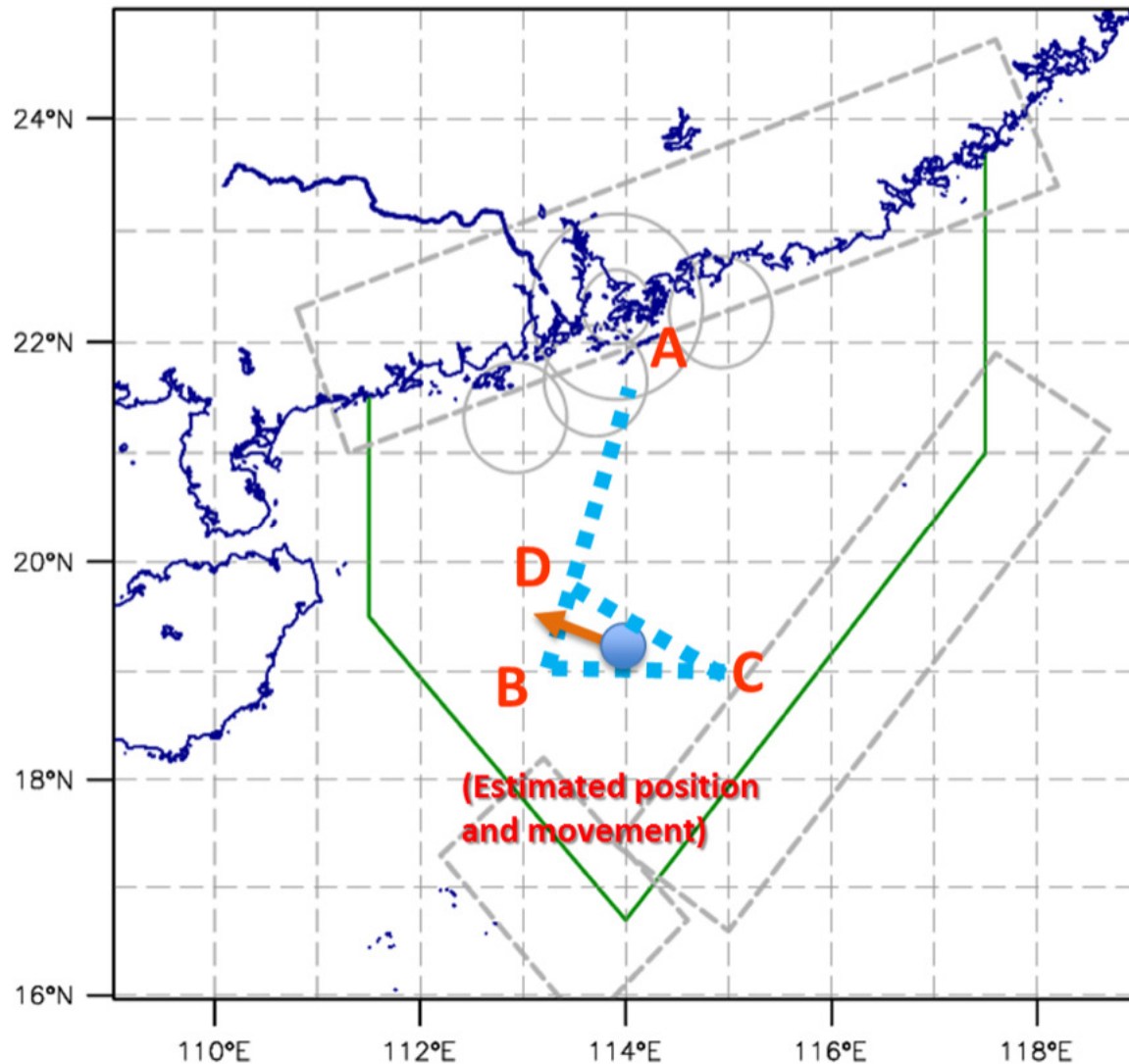
AIMMS-20 Meteorological Data Probe



AIMMS-20 Data Specification

| | Range | Accuracy | Resolution |
|---------------------------|-------------------------|--------------------|--------------------|
| Horizontal wind (u and v) | 0 – ± 90 m/s | ≤ 1 m/s | 0.1 m/s |
| Pressure | 500 – 1040 hPa | 1 hPa | 0.1 hPa |
| Temperature | -20 – 50 degree Celsius | 0.3 degree Celsius | 0.1 degree Celsius |
| RH | 0 – 100 % | 3 % | 1 % |

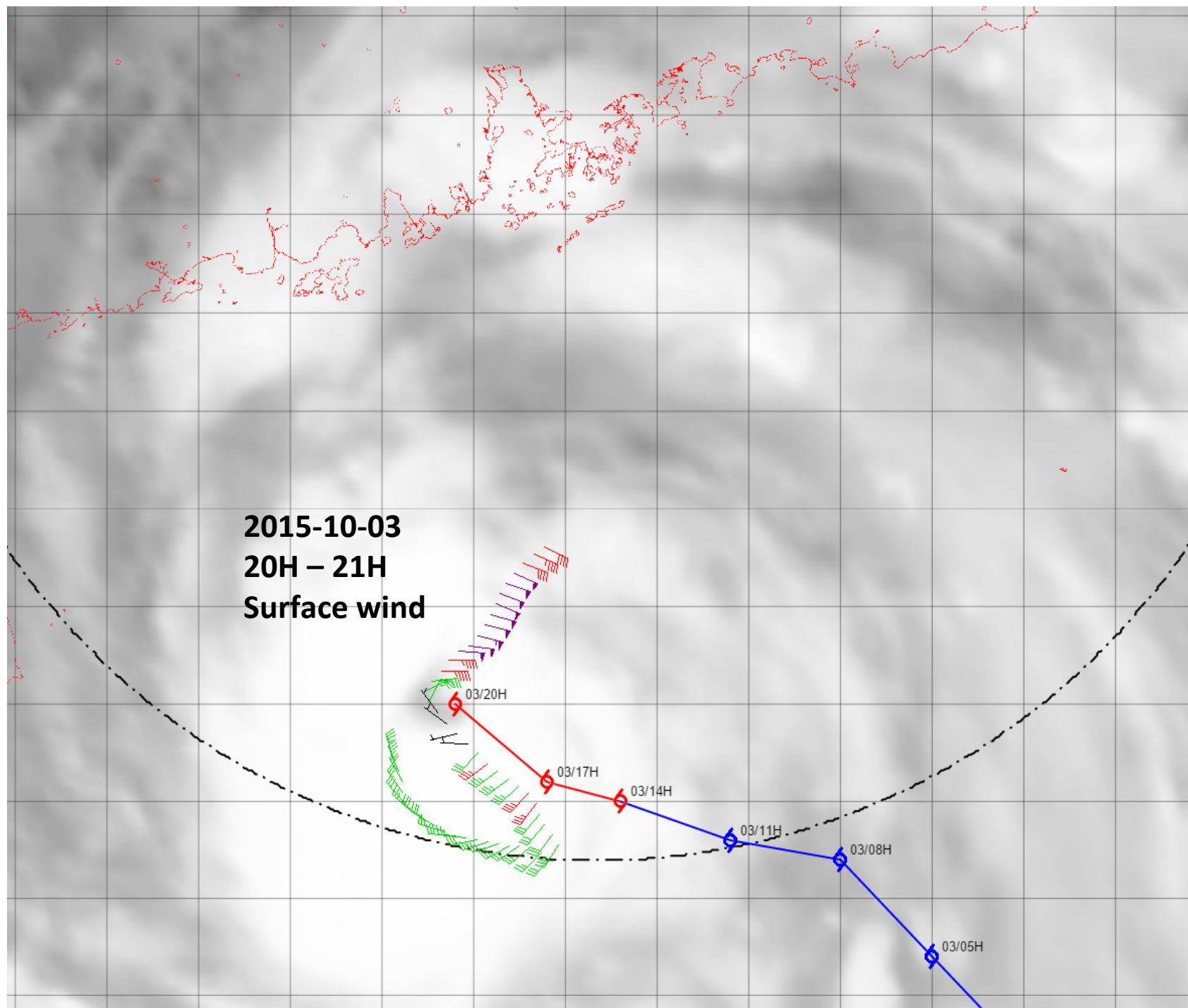
ST Mujigae (3 October 2015)

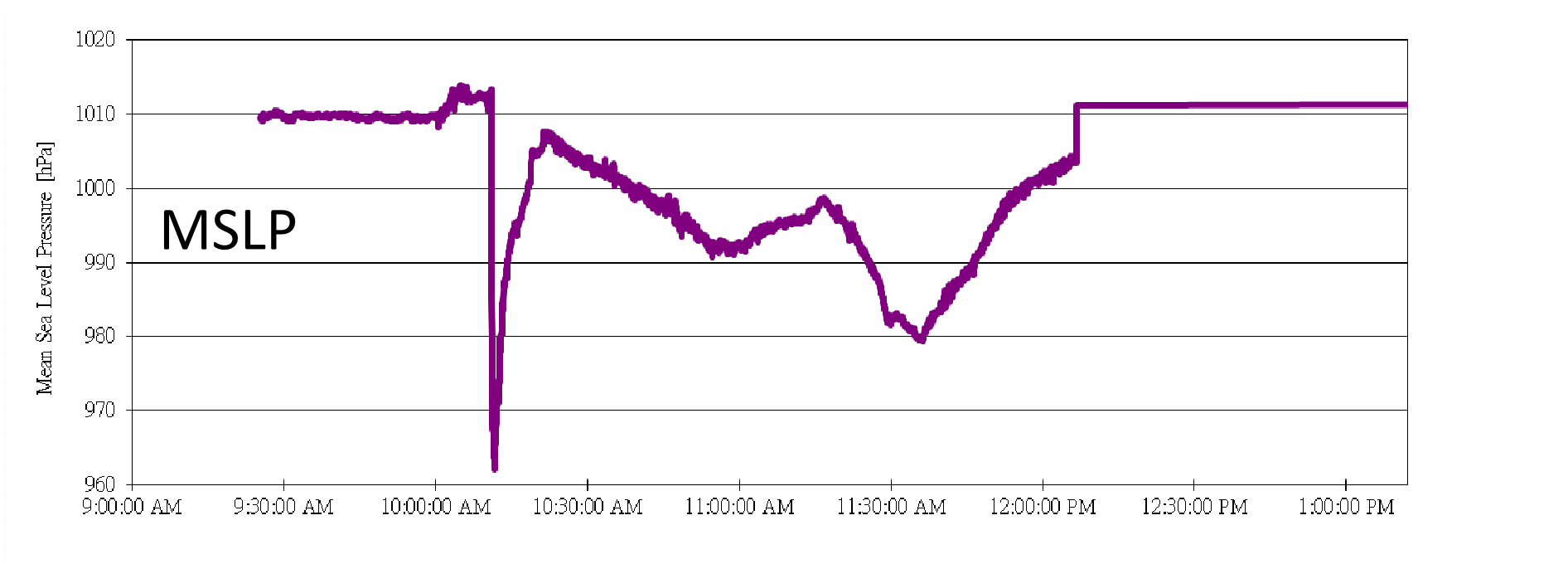
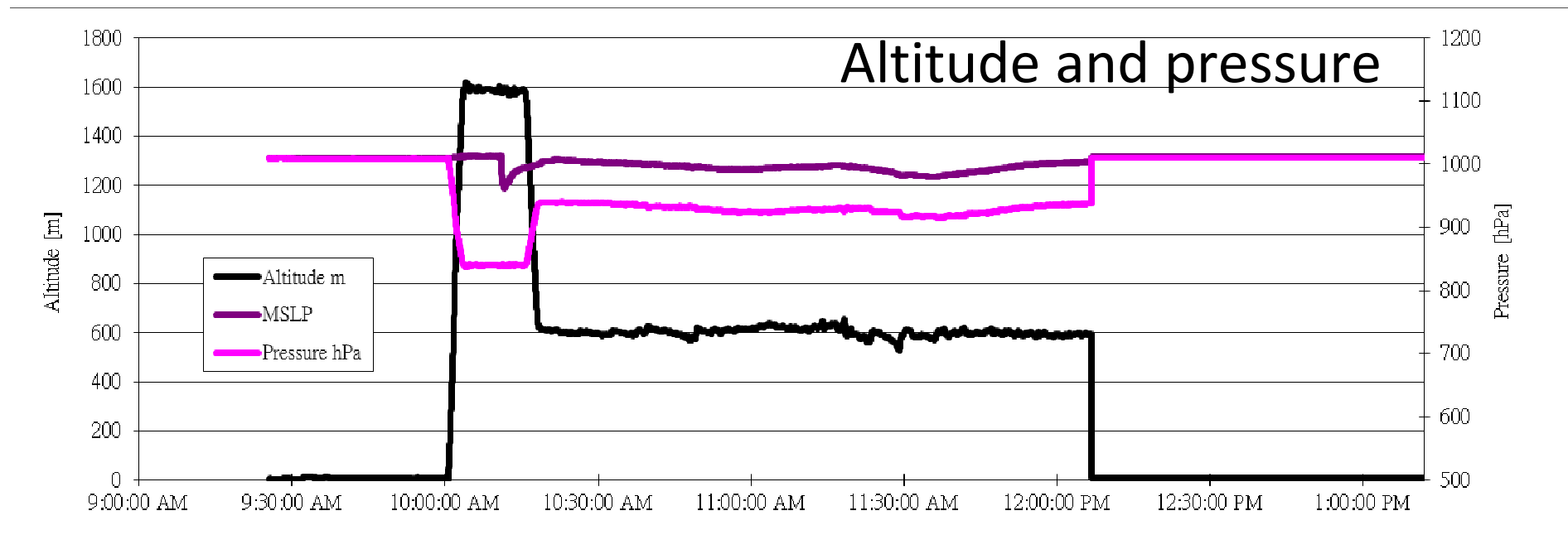


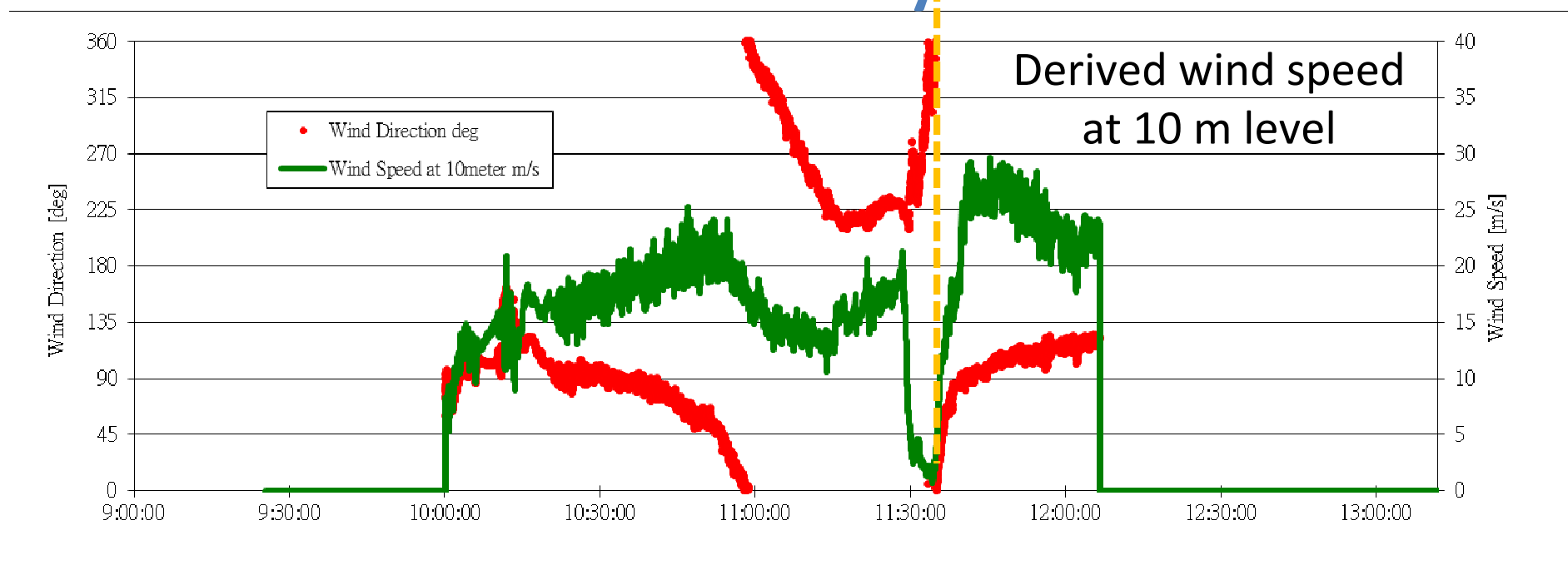
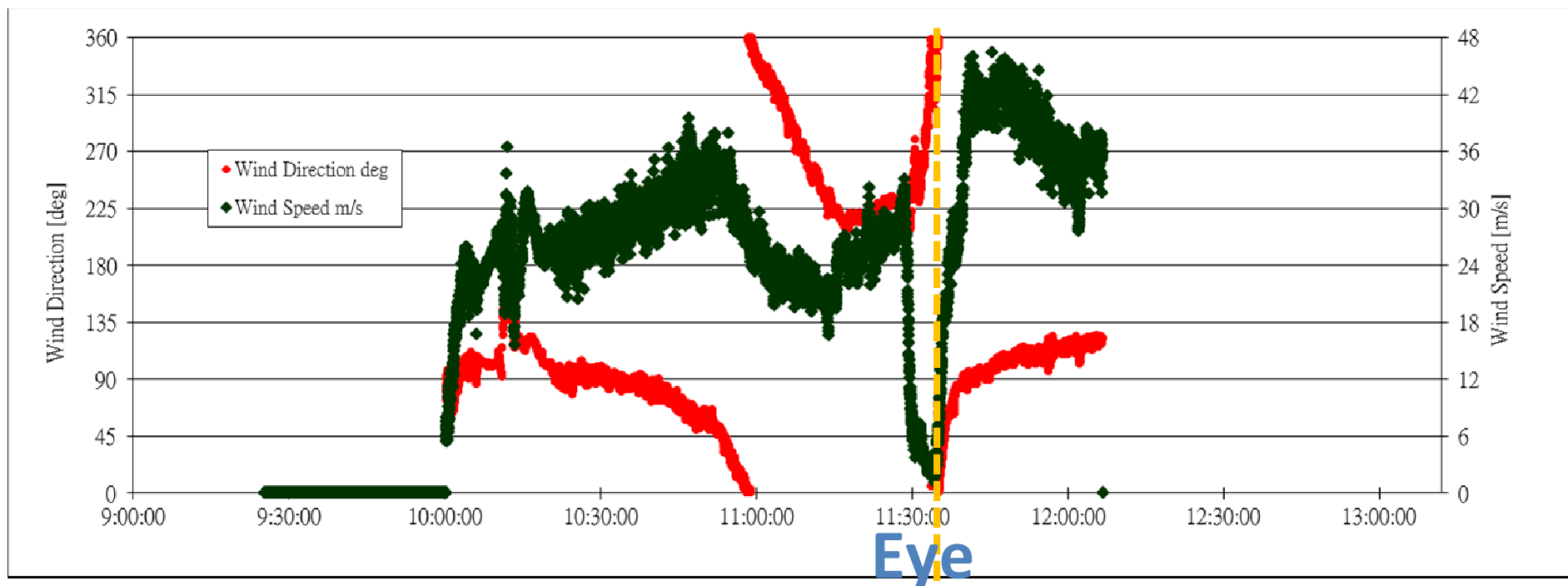
- B => C => D expected to transect centre of TC

**2015-10-03
19H – 20H
surface wind**

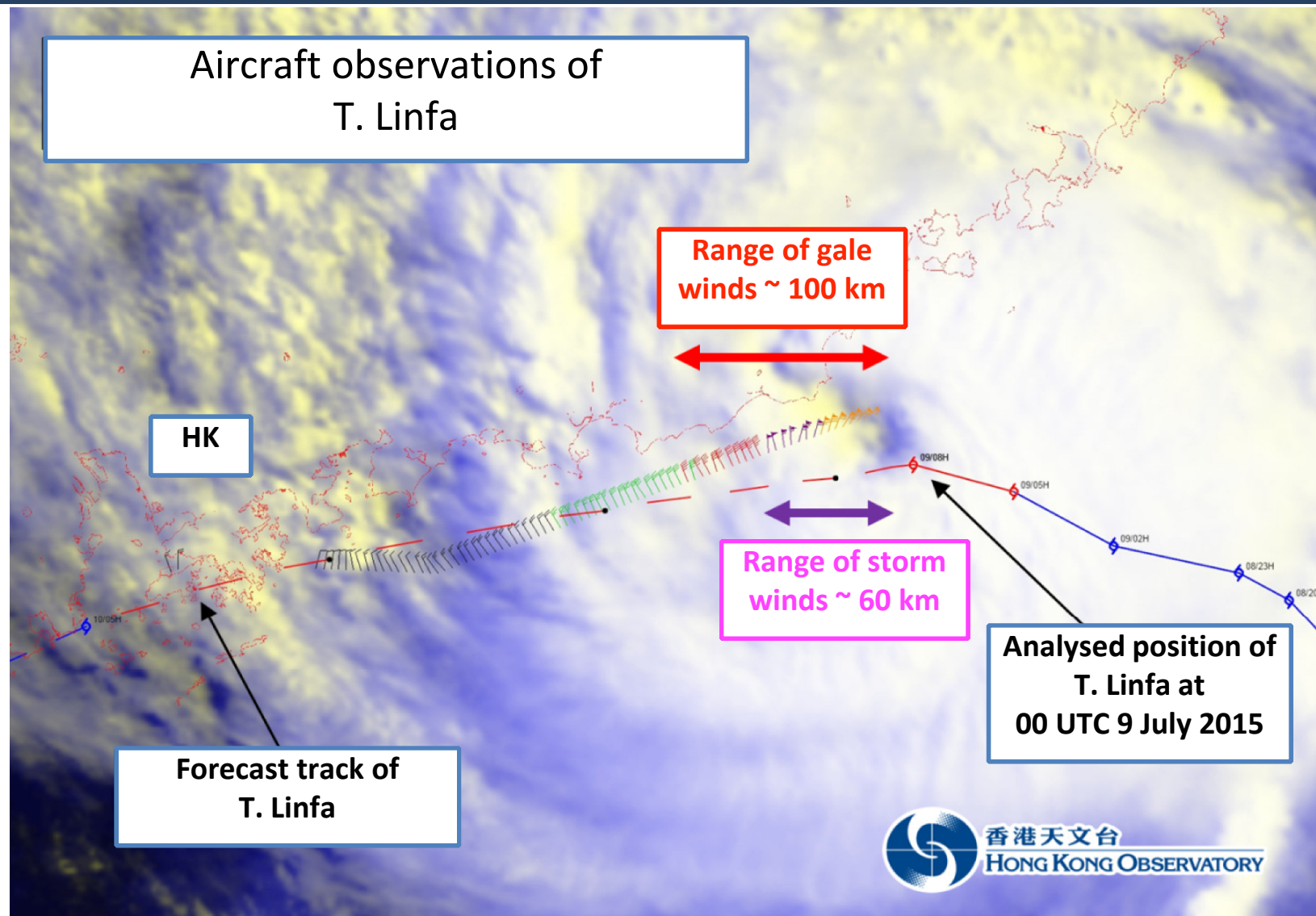








Typhoon Linfa (2015-07-09)



Progress on dropsonde measurement system

- New jet aircrafts of the HKSARG Government Flying Service (GFS) will be available in early 2016
- Testing of dropsonde measurement system and data probe to be completed before TC season
- real-time downlink of observations will be implemented for dissemination of data more timely and directly to HKO for data exchange with other users such as for TC analysis data assimilation in NWP models



Thank you very much

