SEVERE TROPICAL CYCLONE PAM March 2015



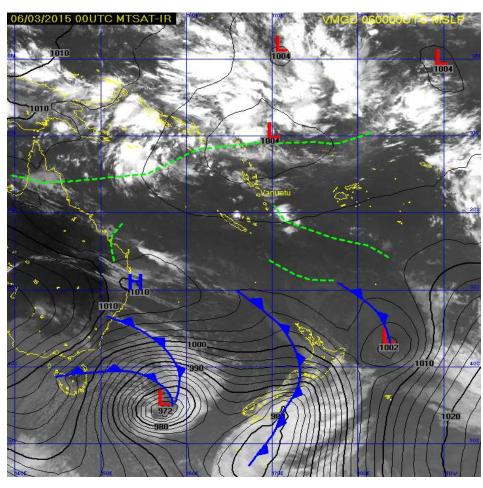


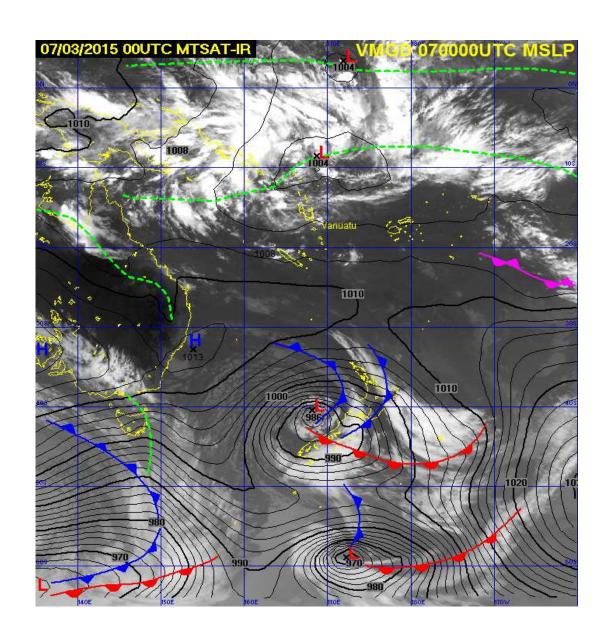
Vanuatu Meteorology & Geo-Hazards Department (VMGD) response in terms of its Services and Preparedness

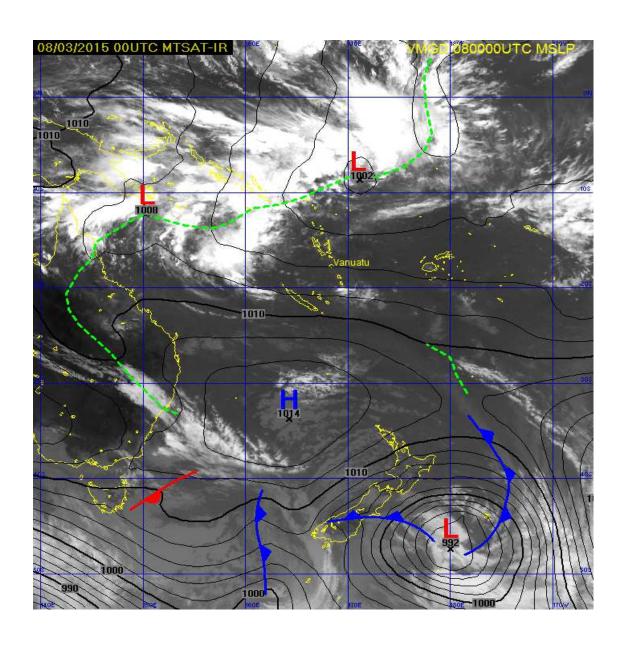
Outlines

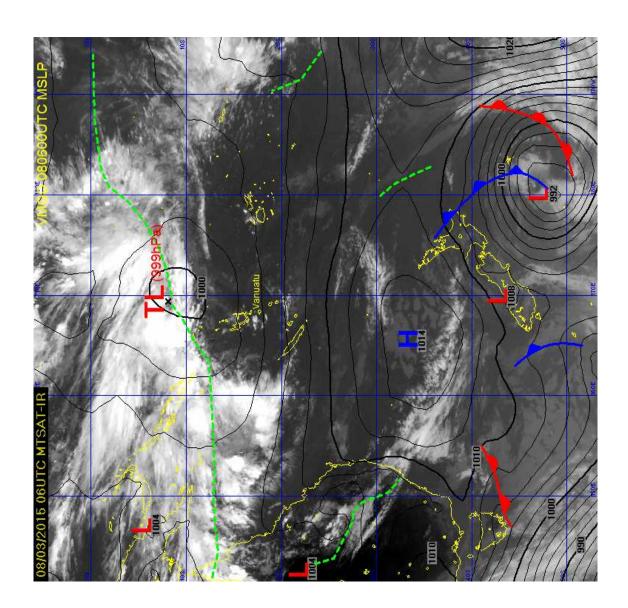
- Satellite pictures
- Operation Procedures and experience
- Flow of information
- Short Video with photos

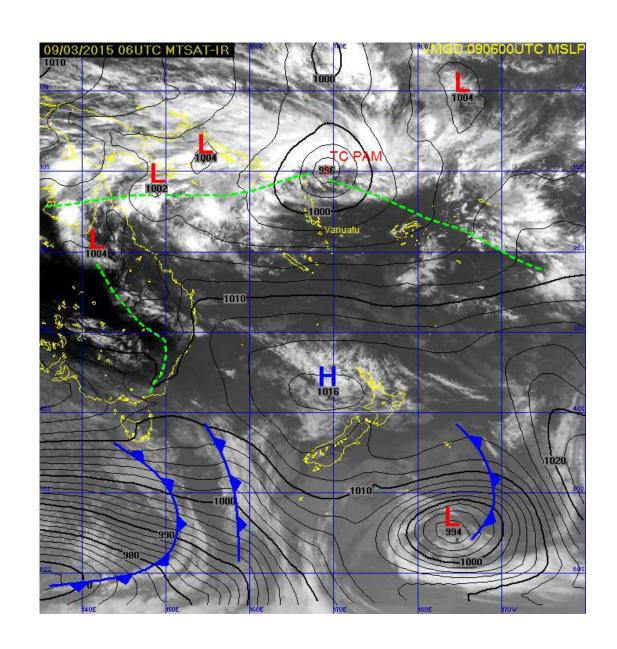
A low (1000 hPa) formed some 800 km NE of Torres Group on the 6th of March.





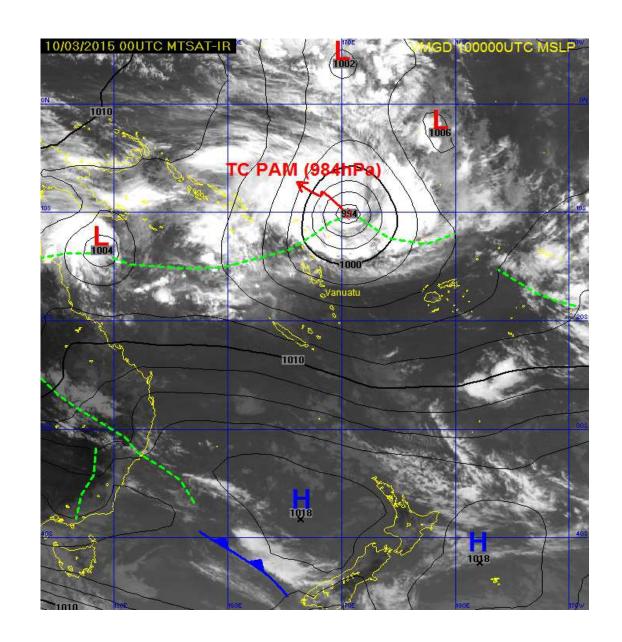






Vanuatu Cyclone Tracking Map

- Loop a
- Loop b



OPERATION DURING TC PAM

Press Release on Tropical Low

- A Press Release concerning Tropical Low on 9th of March 2015, 600 km Northeast of TORBA.
- TL was named TC PAM at 6 pm on the 9th of March 2015

TC Information

• 1ST <u>information</u> issued by VMGD on TC Pam was at 11am on the 10th of March 2015. Pam was 600 kilometers northeast of the Banks group outside Vanuatu's Area (12S to 23S and 160E to 175E).

TC Advisory

• The first Advisory issued by the VMGD on Pam was issued at 6:00 pm on the 10th of March when Pam was 560 km northeast of the Banks Group.

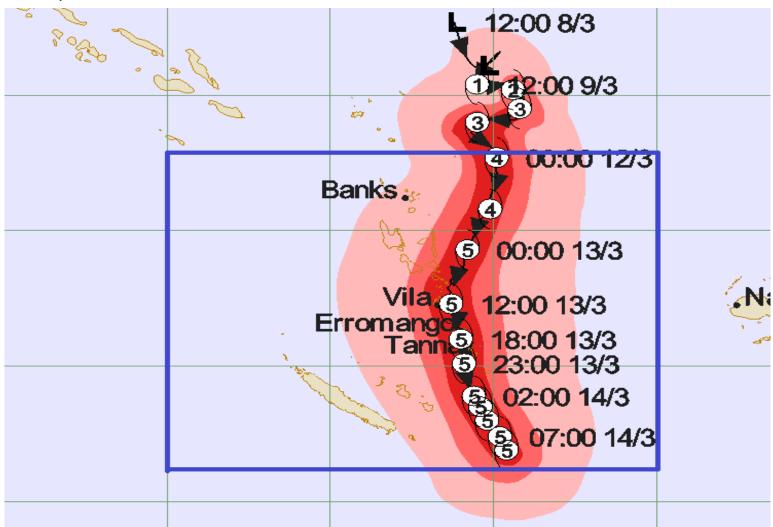
TC Warning

• At 9am, on the 11th of March 2015, the first warning on TC PAM was issued for the Northern provinces as the system was 425 KM NE of Gaua which at that time, TC Pam had moved into the Vanuatu's Tropical Cyclone Tracking Map. First SMS through (Telecom Vanuatu Ltd and Digicel Vanuatu).

Intensification of TC PAM

 Pam intensified further into a CAT 4 system at 11am, on the 12th of March 2015, as it moved closer to the northern islands of Vanuatu. The system took a south southwest direction, moving very close to Vanuatu. It became a CAT 5 system at 11am, on the 13th of March, as it took a south southwest path, to the east of PENAMA province.

Analysis Track of TC PAM with radius of Gale, Storm and Hurricane force winds



Total products issued during the passage of PAM

| • | Information | 1 |
|---|-----------------|---|
| | IIIIOIIIIatioii | _ |

- Advisories
- Warnings 47
- Forecast track maps 48
- SMS (TVL, Digicel) 38

- 1 Tropical Cyclone forecaster (Issued all TC Information)
- 1 marine & Aviation forecaster (updating website & preparing SMS for dissemination (TVL & DIGICEL)
- 1 Public forecaster

Forecasters on TC Shift

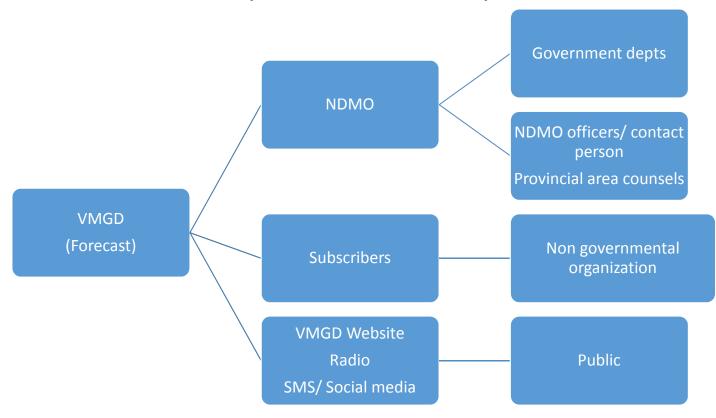
Phone Answering Shift 3-4 person per shift to answer phones. (Updating Public)

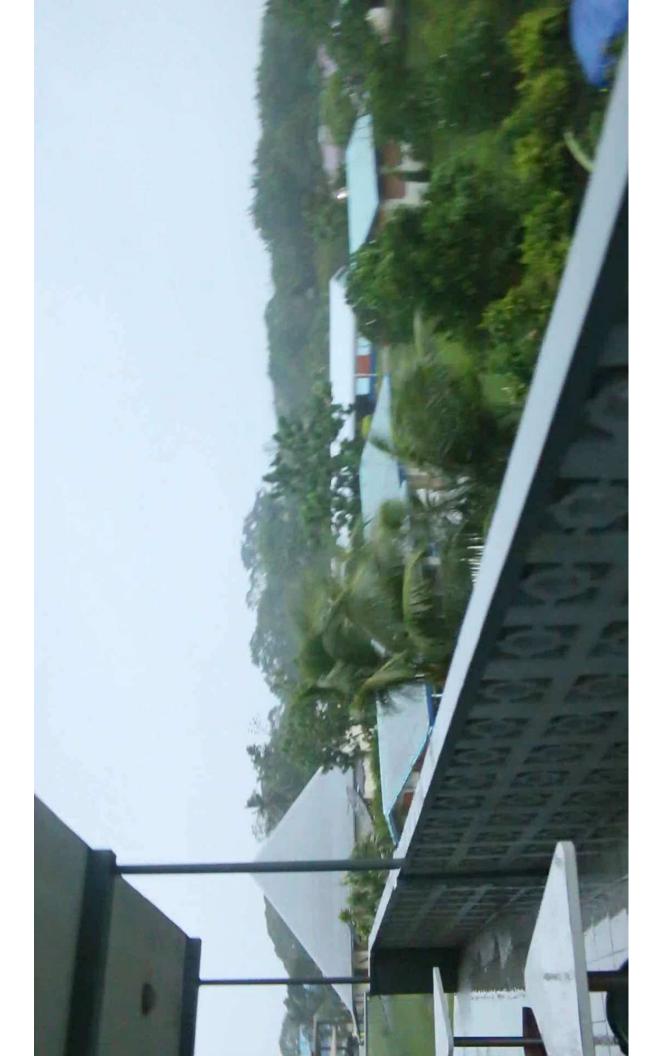
 TC Forecaster , Director
& Manager WFSD do media briefing (TV, Radio) Media Briefing

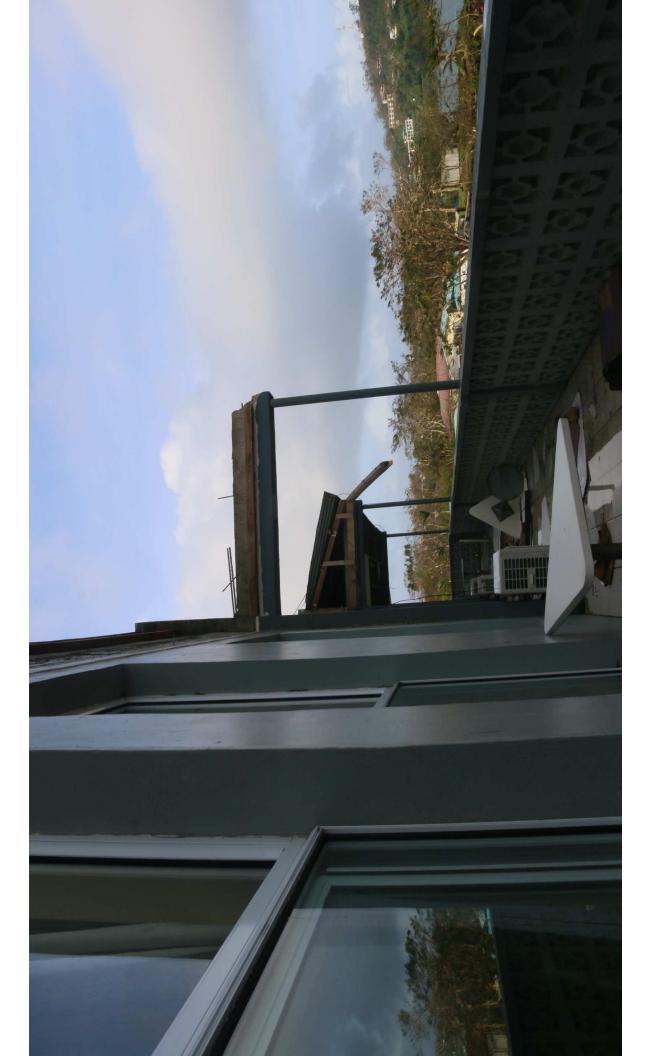
Additional

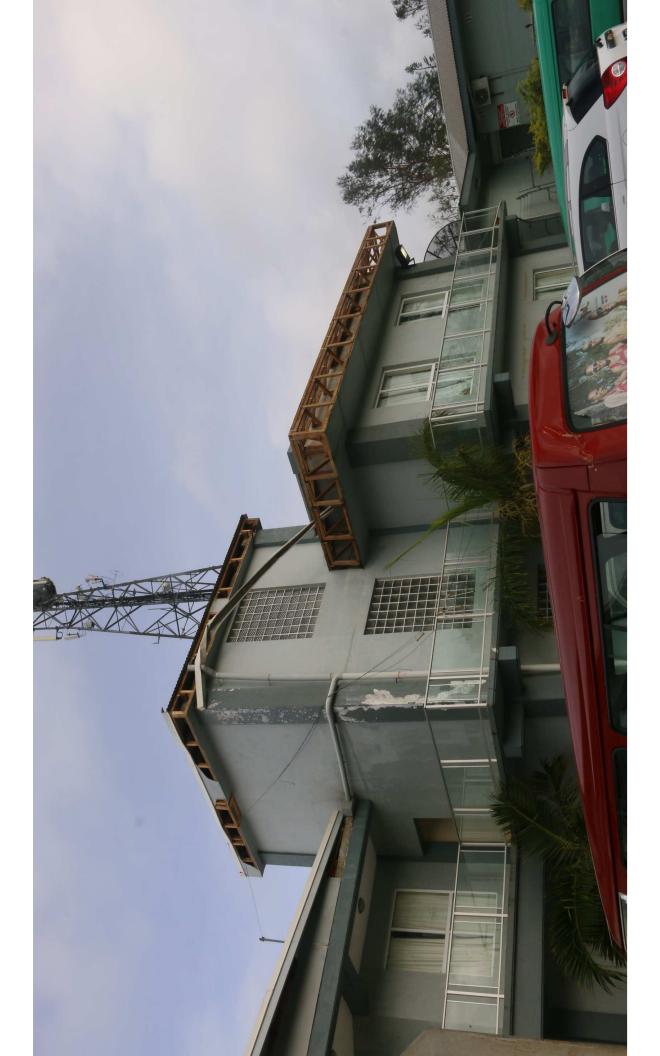
- Warnings were issued hourly on midday 13th of March 2015 and was maintained till TC Pam left Vanuatu Area
- Media Briefing after every warnings.
- Increase number of Forecasters to 6

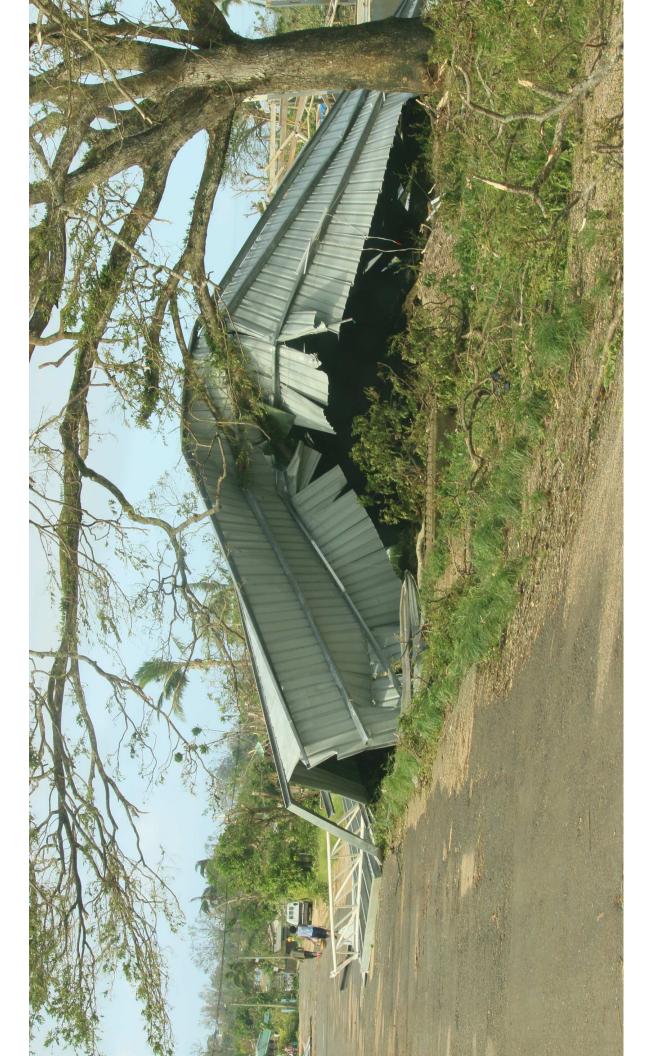
Flow of information (TC bulletins)









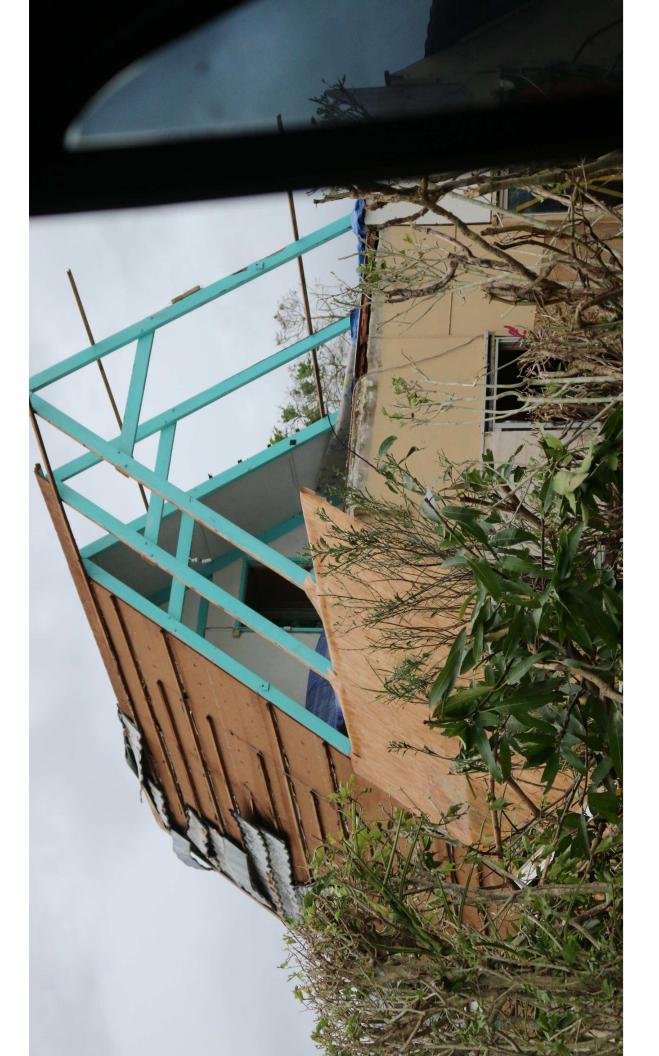












THANK YOU