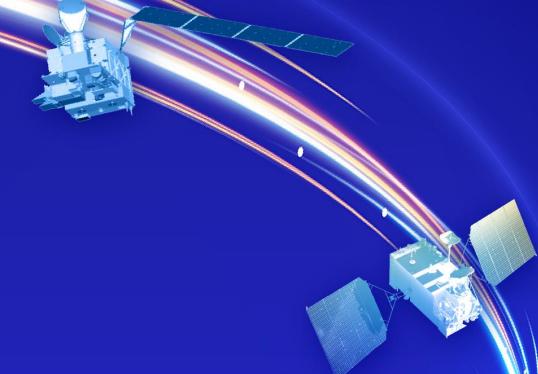




# AOMSUC-15 FYSUC-2025

FIFTEENTH ASIA-OCEANIA METEOROLOGICAL SATELLITE USERS' CONFERENCE  
THE JOINT 2025 FENGYUN SATELLITE USER CONFERENCE



## CMA cast satellite data receiving and processing system operation in Myanmar

Pa Pa Swe

Department of Meteorology and Hydrology

[papaswe03@gmail.com](mailto:papaswe03@gmail.com)





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## Contents

### 1. Operation history

- 2012- CMA cast system installed
- 2014- relocation the CMA cast system
- 2016- CMA cast experts last visited to MYANMAR.
- 2019- Hardware problem
- 2021- informed about the status
- 2022- received new CMA cast system

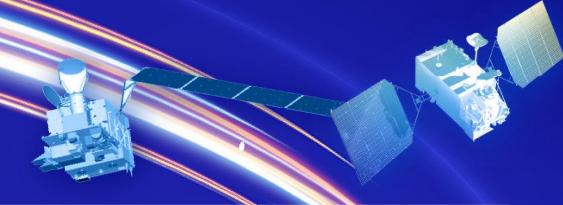
### 2. Utilization

### 3. Capacity building and training needs

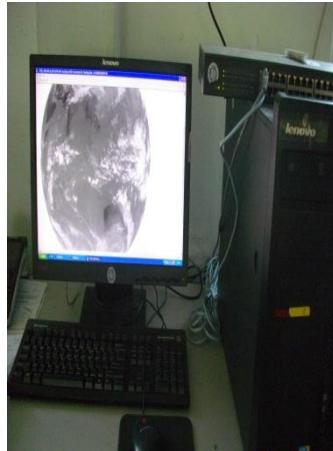
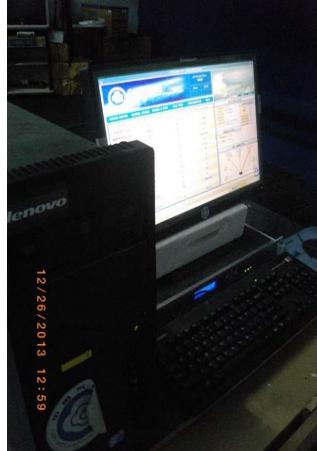


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2012- CMA cast system installed in the head office at Nay Pyi Taw.



CMA Cast system 2012 -2013

# 2014- relocation the CMA cast system



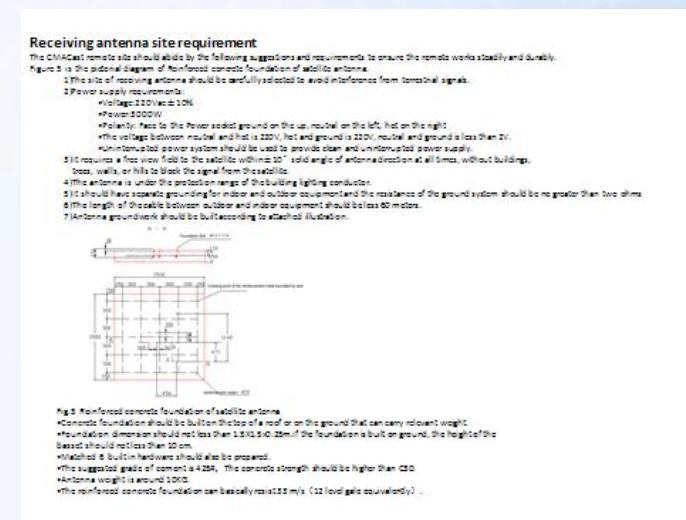
old building



new building.



The distance of old building and new building is between 80m or 100 m generally.



Relocation in 2014 by the DMH staff and technical support by CMA Cast help desk



08/08/2014 22:32



08/08/2014 23:42



08/08/2014 23:48

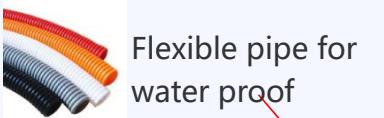
# 2016- CMA Experts visited to MYANMAR for maintenance and training.



# Maintenance view



BNC connector



Flexible pipe for water proof



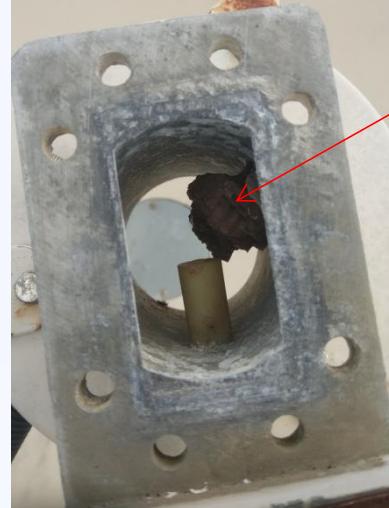
Check the antenna



Center pin broken



Check the antenna



Bees nest



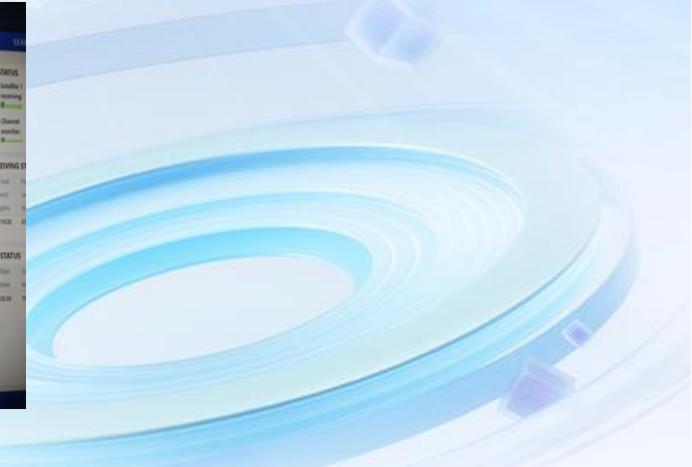
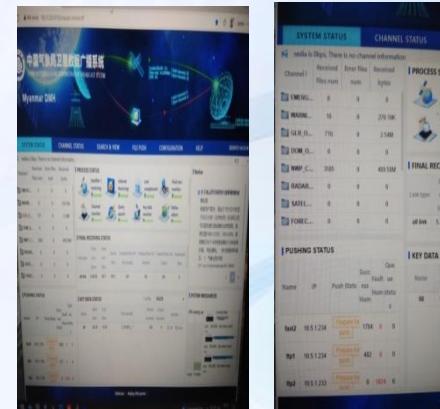
D: drive full



No data

Data unstable

# 2022-New CMA Cast system



AsiaSat 9



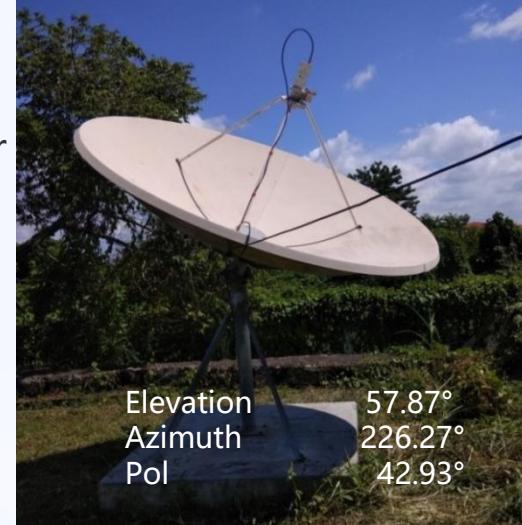
APSTAR-7



The C-band transponder of Asian-Pacific 7 satellite is the new carrier for CMACast broadcast.

APSTAR-7 satellite

Orbit position	76.5°E
Carrier center frequency	4120 MHz
Bandwidth	36 MHz
Downlink polarization	Horizontal
Downlink symbol rate	32700KSpS
Modulation coding	8PSK ¾
Data rate	74 Mbps



Before the antenna switch over  
(14-10-2022)

After the antenna switch over  
(14-10-2022)

# Utilization of GEO Satellite Data



## TV news

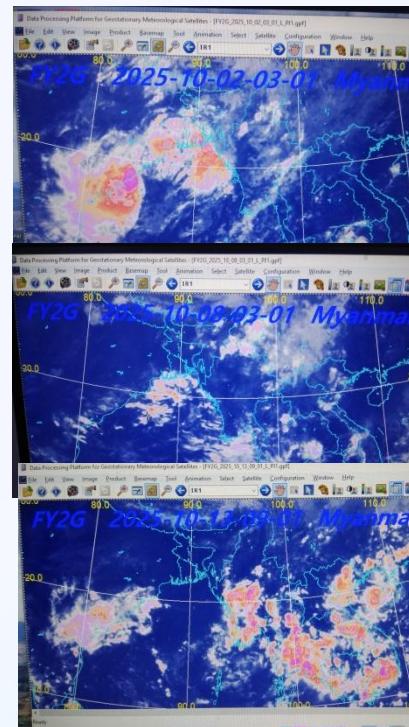
Public weather services  
Weather forecasting  
Extreme weather warning  
Tropical Cyclone



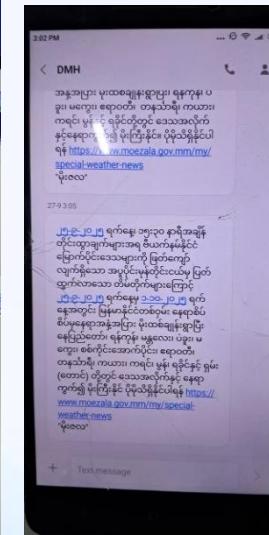
<https://www.moezala.gov.mm/>



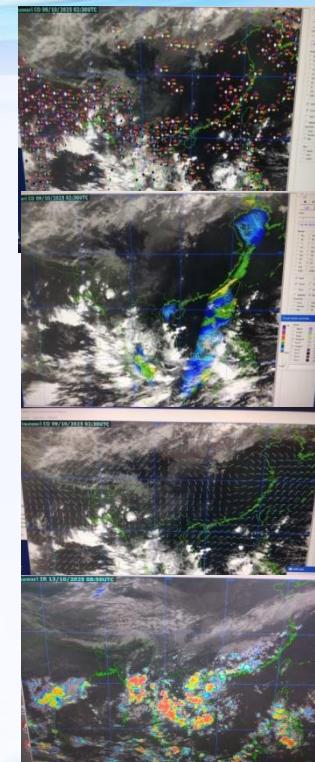
<https://www.motc.gov.mm/>



SMS



Facebook



<https://myanmar.gov.mm/>

# Capacity building and training needs

1. To be automatically delete the old file.
2. Continuous training is required to maintain local technical expertise in software, networking, and hardware for operator staff and weather analysis tools utilization for forecaster staff.
  - Training Course on the Application of Meteorological Satellite Products
  - Training Course for FY-4A Satellite Product Application
  - Training Course for operation and maintenance of CMACast receiving system



Thank you