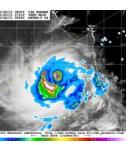


TRMM Tropical Rainfall Measuring Mission CS/24/21 DECCZ CIA DOSARE DS/24/21 DT212 TINN HAIS Designed to measure the convective heating of the topical atmosphere Instruments Precipitation radar (dual wavelength 2.2 & 0.8 cm)
Microwave imager - VIS/Ir Scanner Radiant energy sensor Lightning detector \_

Used to estimate rainfall as a weather element as well



## **Orographic Rainfall**

- Strong winds • encounter an upward slope
- **Rising motion initiates** ٠ convective updraft
- Causing very heavy rain
- Rapid runoff → flash floods
- Mudslides on unstable slopes

