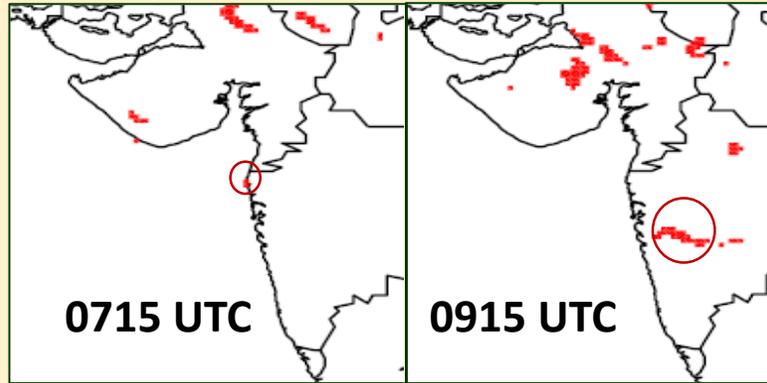


Mumbai Heavy Rainfall and deluge (28-29 August 2017)

Satellite based Nowcasting Alerts (updated Half hourly)

Mumbai heavy rainfall was predicted from SAC-Nowcast Model with a lead time of more than 4 hours
 The first major alert for Mumbai and adjoining areas was given on 0715 UTC, 28 August 2017

The initiation on 28 August 2017



Heavy Rainfall Alerts over Thane (10:45 UTC 29 Aug, 2017)



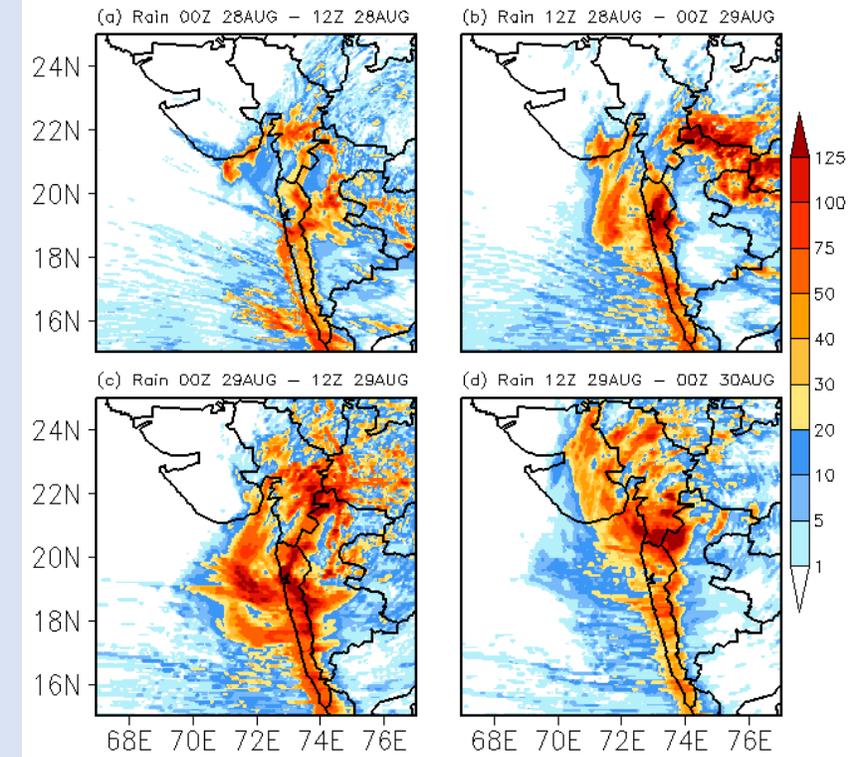
- Episodes of extremely heavy rainfall of 50-100 mm in an hour for THANE was predicted with a lead time of more than 2 hours.
- Nowcast Alert shows a big radius of influence of ~50km



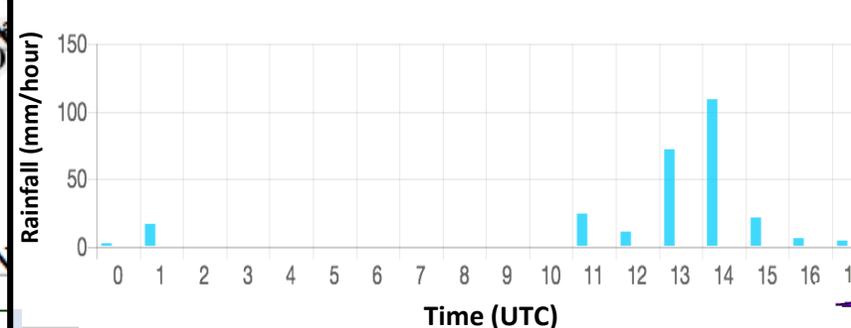
High resolution weather forecast from numerical model

Model : WRF V3.9
Sp. Resolution : 5 km
Model Simulation is performed from 00 UTC , 28 August 2017 for next 48 hour forecast

12 hourly Rainfall forecast from 0000 UTC 28 AUG 2017 to 0000 UTC 30 AUG 2017



Observed Rainfall from IMD AWS over Thane on 29 Aug, 2017



INSAT-3D HE Heavy Rain

