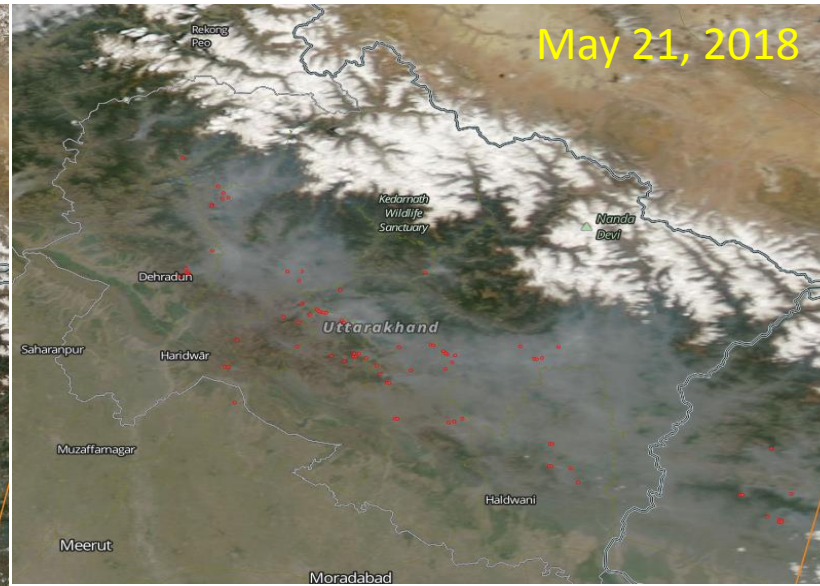
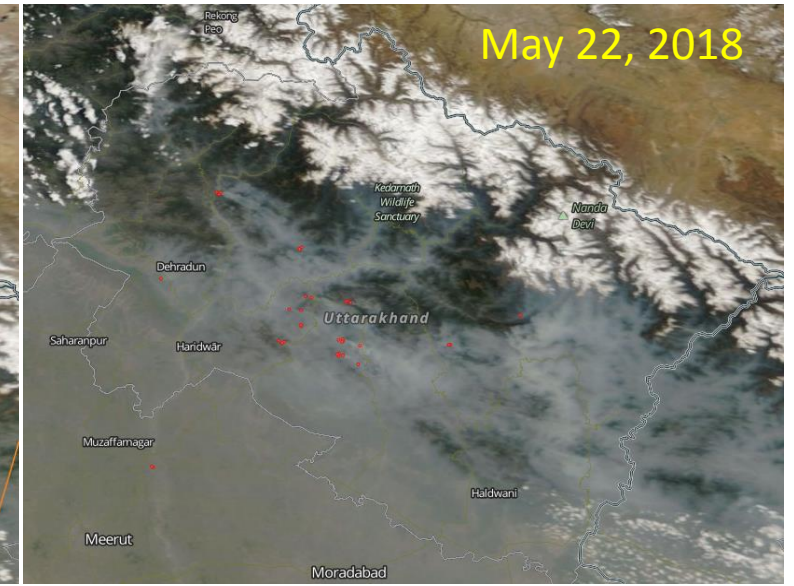


MODIS Terra (1030 IST)



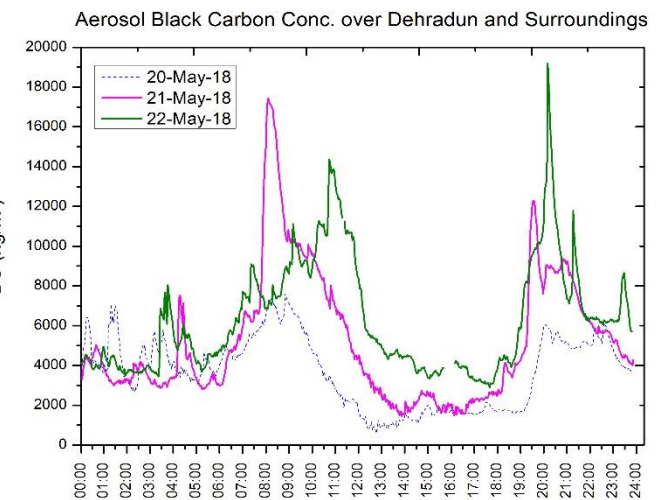
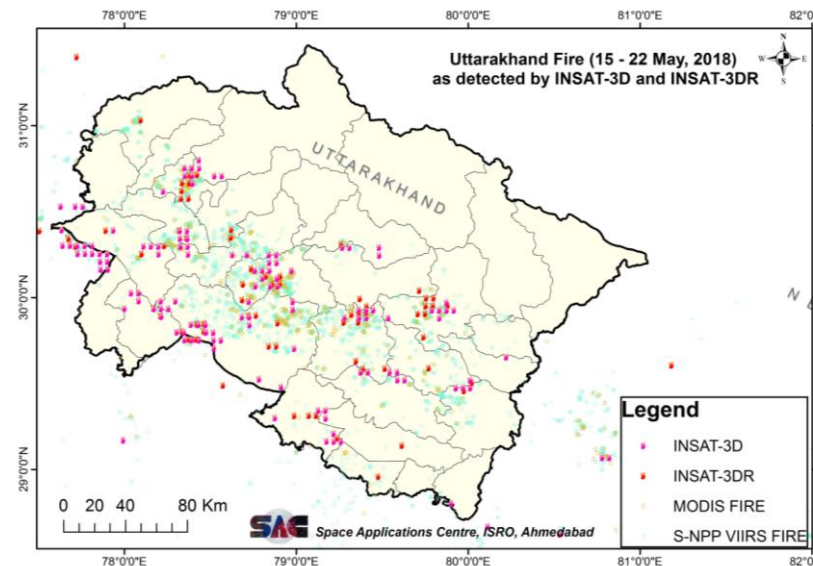
MODIS Aqua (1330 IST)



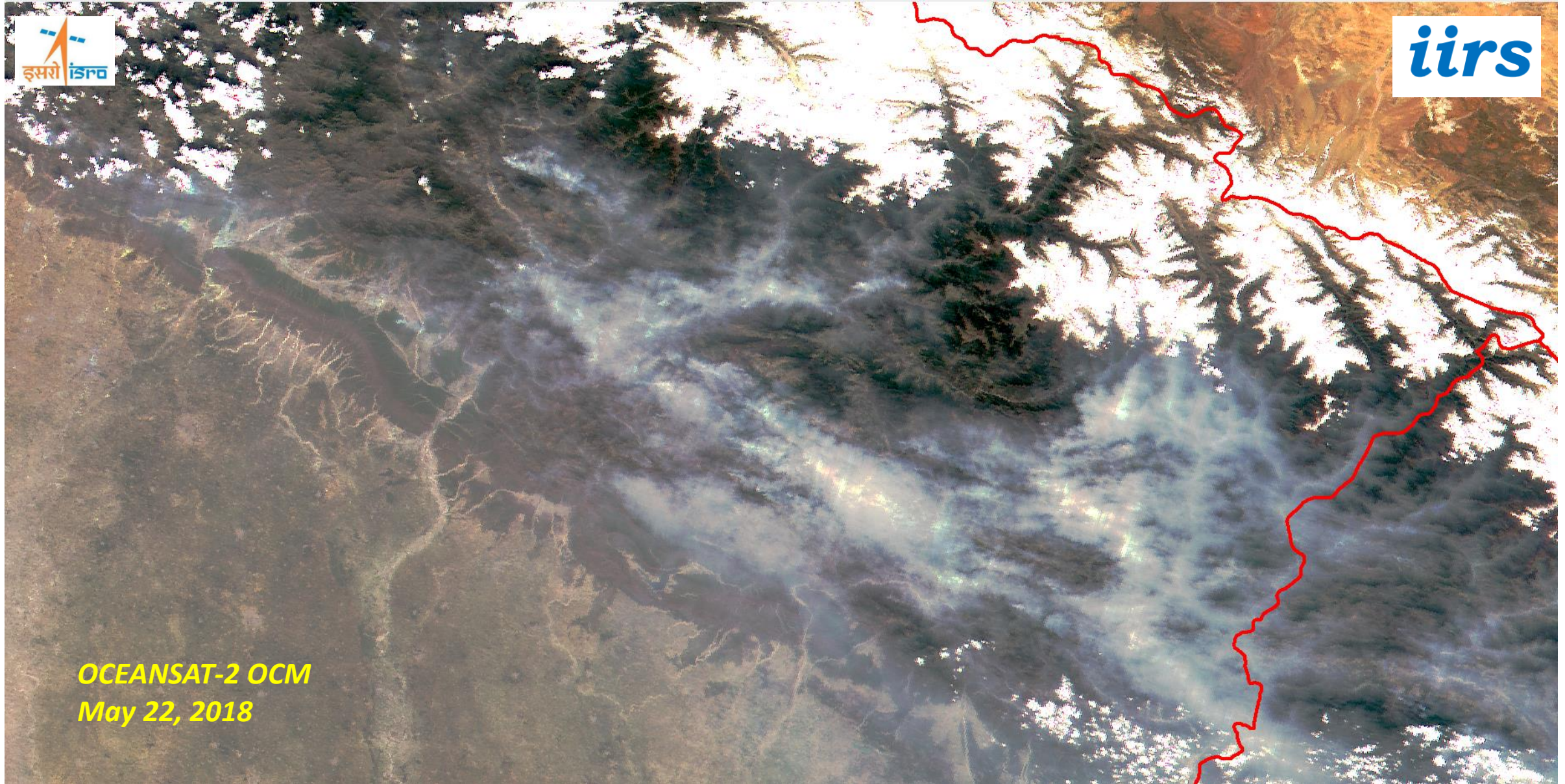
MODIS Terra (1030 IST)

Active fire locations (shown with red color dots) and smoke plumes captured through MODIS satellite.

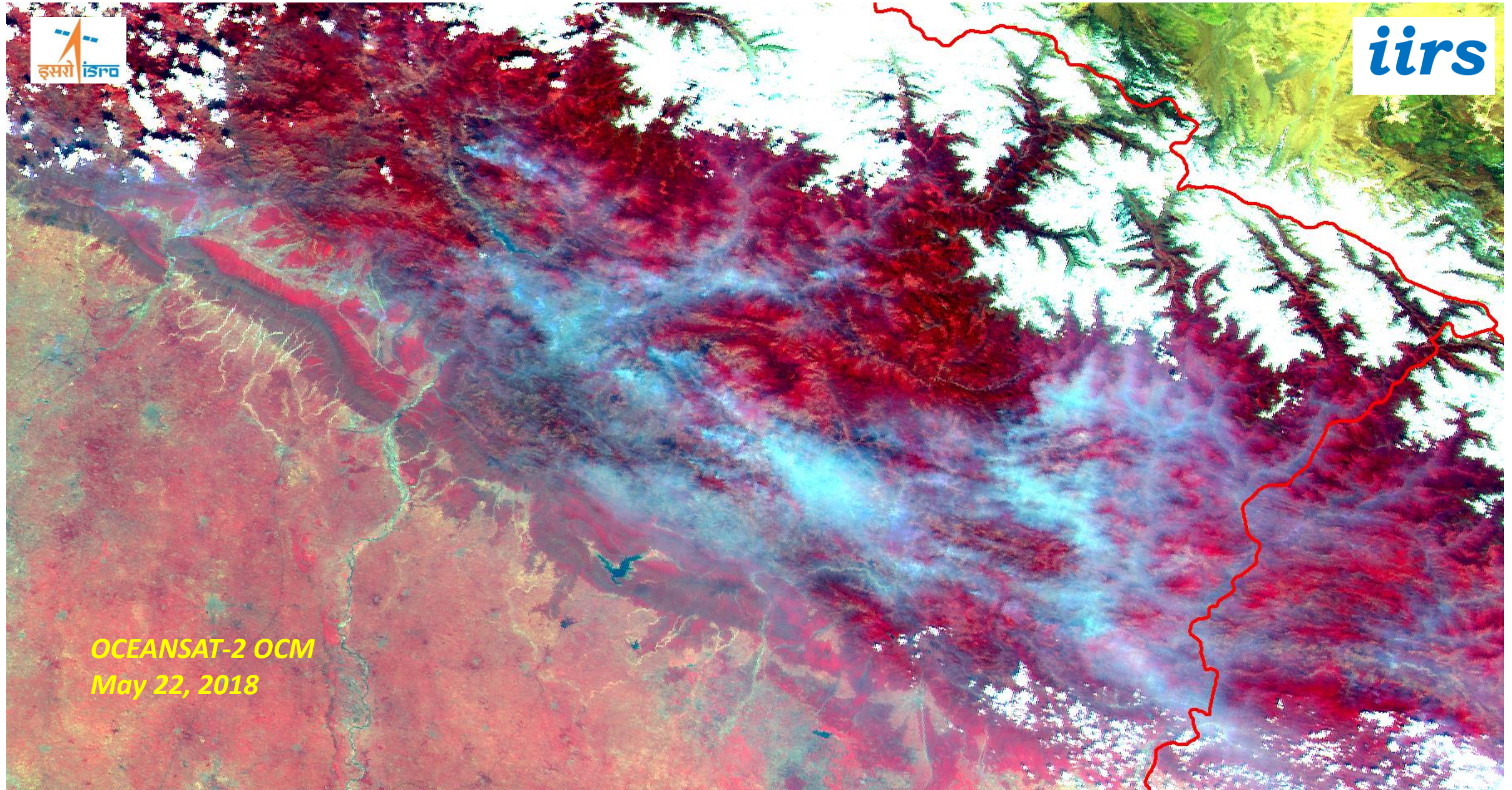
- Large scale forest fires are observed across the Uttarakhand state during May 20-22, 2018 using thermal anomalies picked up by INSAT-3D and MODIS data sets
- Severe Smoke conditions are observed across the state due to large scale fires. This has caused poor air quality, specially in valley regions. (Detected by OCM, MODIS & *in-situ* data)

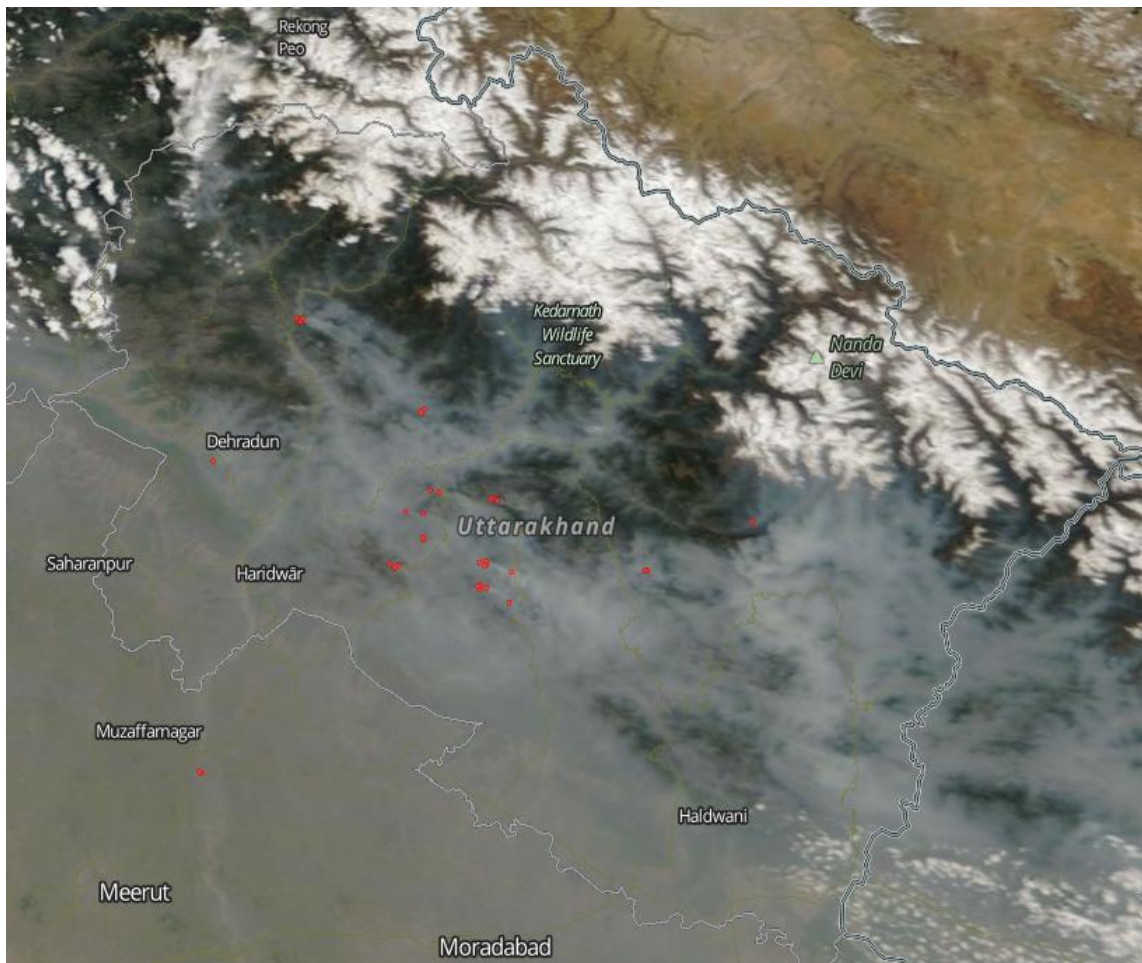


Thick Smoke observed in OCEANSAT-2 OCM (NCC) data over Uttarakhand due to wide spread forest fire on May 22, 2018



Thick Smoke observed in OCEANSAT-2 OCM (FCC) data over Uttarakhand due to wide spread forest fire on May 22, 2018

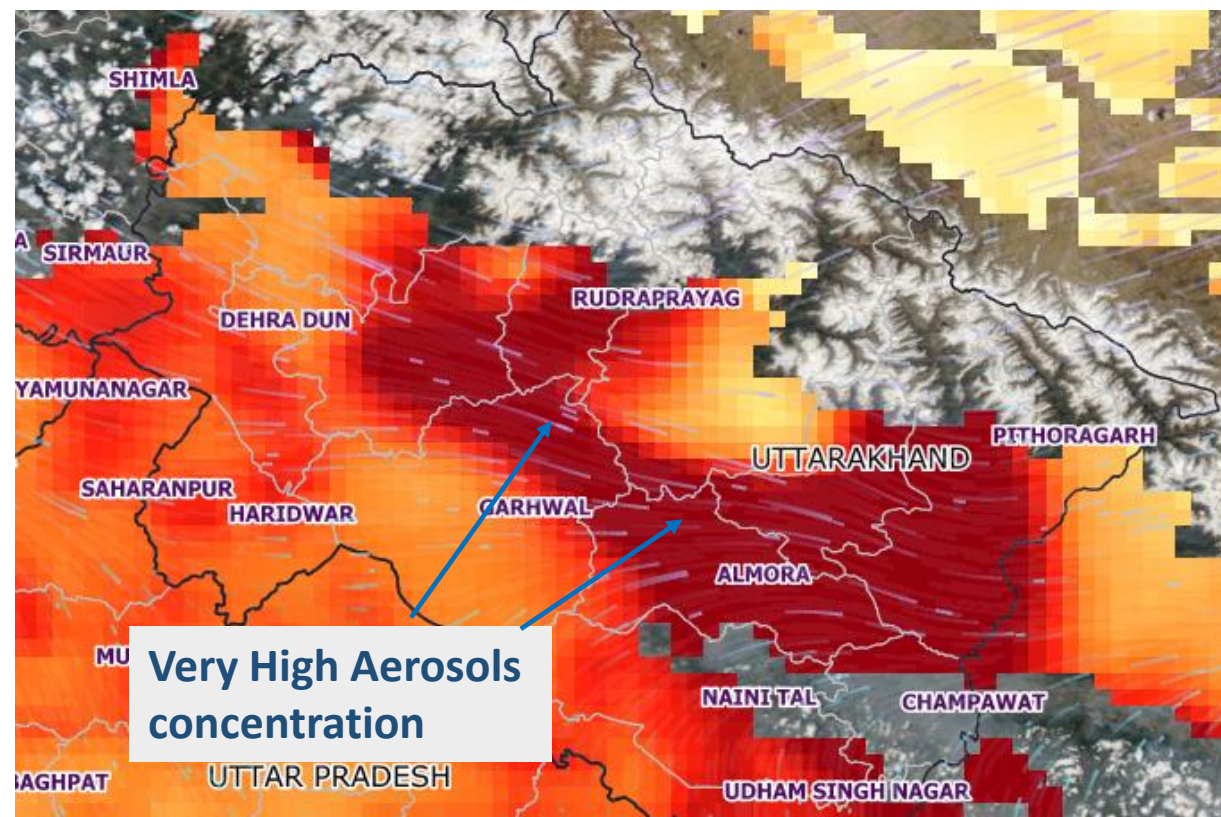
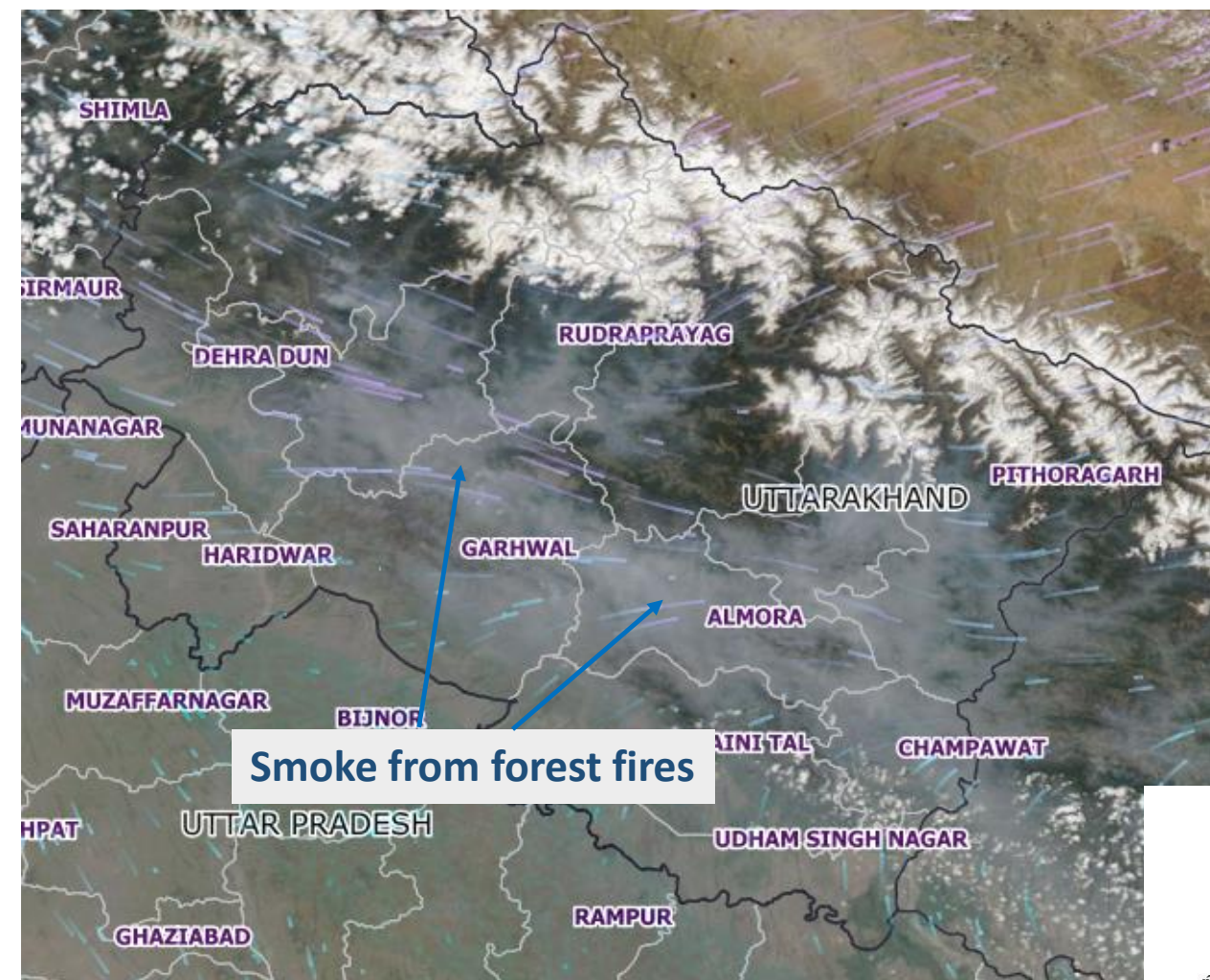




May 22, 2018 MODIS Terra (1030 IST)



May 23, 2018 MODIS Terra (1030 IST)



- Very High Particulate Matter due to smoke over Uttarakhand detected using INSAT- 3D imager on May 22, 2018
- Two fold increase in PM 2.5 and PM 10 has been measured at IIRS campus Dehradun

