

## NORTH EASTERN SPACE APPLICATIONS CENTRE (NESAC)

Umiam-793 103, Meghalaya

### Daily Weather Bulletin for ISRO-ABITA VRC

As per IMD's daily weather report (Date: - 17<sup>th</sup> February 2012)

Summary of Observations Recorded at 0830 Hrs IST on 17<sup>th</sup> February 2012: Dry over the north eastern states.

Major Feature of Weather Forecast upto 0830 hours IST on 20<sup>th</sup> February, 2012:

Rain/thundershowers would occur at one or two places over Assam, Meghalaya and Arunachal Pradesh and dry over the rest.

Warning (Valid for next 48 hours): Nil

Weather Outlook up to 0830 hours IST of 22<sup>nd</sup> February, 2012: Rain/thundershowers would occur at one or two places over NE states.

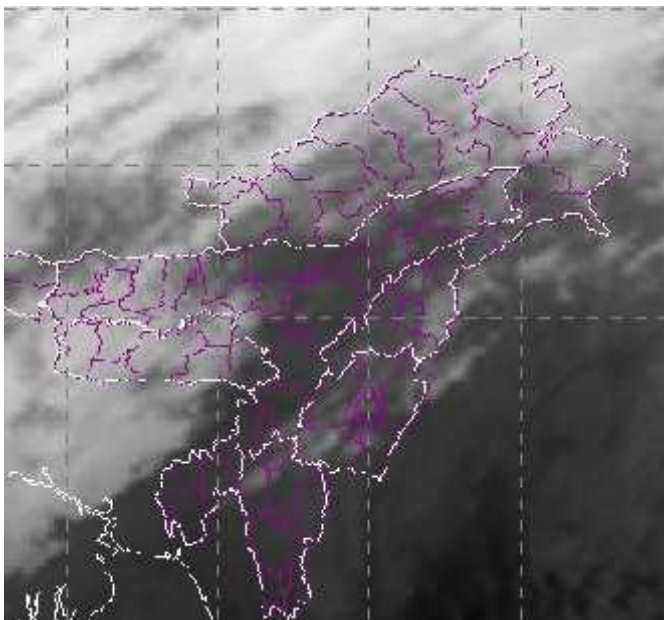


Figure A: KALPANA-1 image of 8.30 AM (white patches indicates the cloud). (Source: <http://imd.gov.in>)

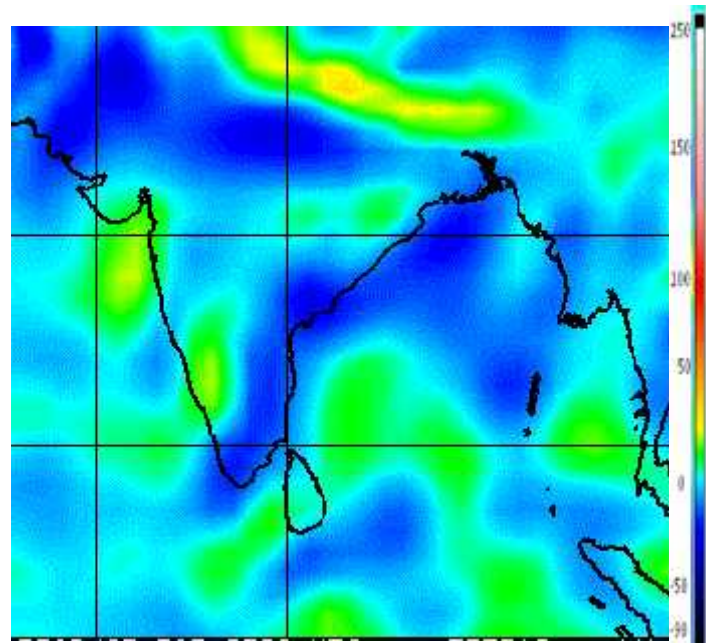


Figure B: Green yellow orange colour indicates the location of monsoon trough. (Relative vorticity map of 8:30 AM)(Source: <http://cimss.ssec.wisc.edu>)

Figure A shows clouds over VRC districts on the eastern part indicating rainfall activity there.

Figure B shows positive vorticity in Assam which is conducive for rainfall activity during next 24 hours.

Past 24 hours and next 24 hours forecast for rainfall has been shown for the following districts/ VRC's of Assam.

Name of the VRC	Name of the District	Rainfall (mm)	
		Last 24 hrs (IMD-AWS)	IMD Forecast for Next 24 hrs
Doomdooma	Tinsukia	0	0-5
Margherita			
Lahowal	Dibrugarh	0	0-5
Moran			
Sonari	Sibsagar	0	0-5
Mariani	Jorhat	0	0-5
Lakhimpur	Lakhimpur	0	0-5
Borgang	Sonitpur	0	5-10
Bindukuri			
Paneri	Udalguri	0	0-5

(Source: Automatic Weather Stations (AWS) of IMD and IMD District level Forecast.)

This bulletin may be seen along with the Agromet Advisory Service Bulletin issued jointly by Assam Agricultural University, Jorhat and IMD, Pune which can be downloaded from this website: <http://www.imdagrimet.gov.in/node/3498>

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### Disclaimer

The bulletin is based on the research projects at NESAC on satellite based rainfall estimation, weather watch and forecasting *and ground based observations by IMD. This is issued on experimental basis for the benefit of the ISRO-ABITA VRC nodes and the benefits and /or losses that may occur from the use of this bulletin are at the users discretion.*