



**Government of India
Earth System Science Organization
Ministry of Earth Sciences
India Meteorological Department**

**Dated: 21th April, 2019
Time of Issue: 1600 Hours IST**

Current Temperature Status and Warning for next five days

Heat Wave and Temperature Observed Yesterday (Past 24 hours from 0830 hrs IST of 20 April to 0830 hrs IST 21 April, 2019)

Heat Wave:

Yesterday, there was no heat wave observed in the country.

Maximum Temperature

Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at many places over Arunachal Pradesh; at a few places over Jammu & Kashmir and Saurashtra & Kutch ; above normal (1.6°C to 3.0°C) at most places over Nagaland, Manipur, Mizoram & Tripura; at many places over Assam & Meghalaya, Konkan & Goa, Coastal Karnataka and Kerala; at a few places over Tamil Nadu and at isolated places over Telangana Yesterday, **the highest maximum** temperature of 42.1°C was recorded at Parbhani (Marathwada) over the country (**Annexure 1 & 2**).

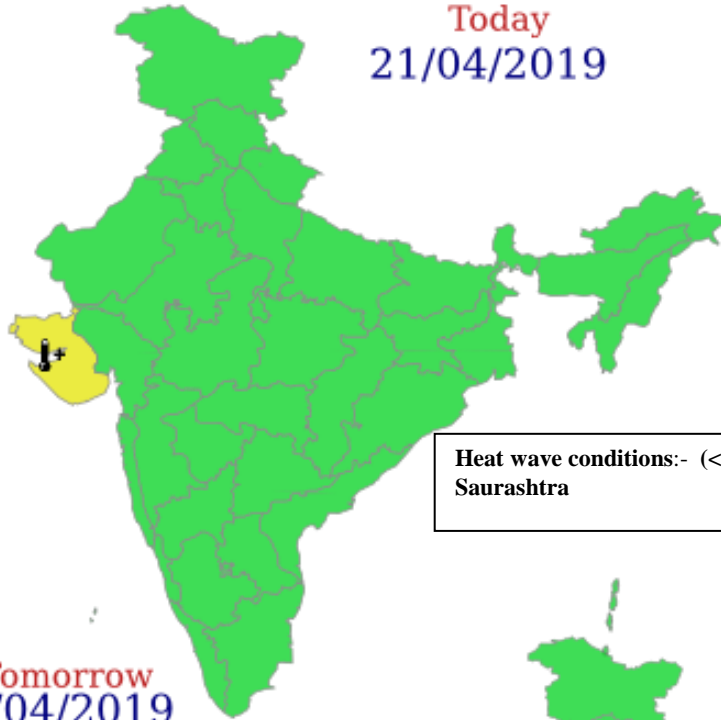
Temperatures Recorded at 1430 Hours IST of Today, the 21th April, 2019

- **Jaisalmer & Barmer (West Rajasthan) and Akola (Vidharbha) recorded the maximum temperature of 41.4°C (Annexure 3).**
- **Temperatures recorded at 1430 hours IST of today have risen by 1-3°C at most places over Punjab, Chandigarh, Haryana & Delhi, Rajasthan and West Uttar Pradesh; at many parts of Jammu & Kashmir and Chhattisgarh; at a few places over Himachal Pradesh, Madhya Pradesh, East Uttar Pradesh, Bihar and Odisha and at one or two pockets over Uttarakhand, Jharkhand, Telangana and Coastal Andhra Pradesh(Annexure 4).**

Heat Wave Warnings for Next 5 Days (on next page)

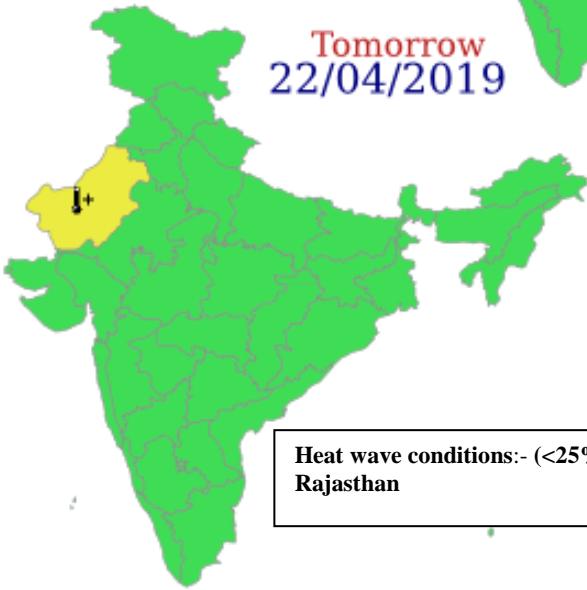
(For significance of colour code and criteria for Heat Wave, kindly refer to Annexure-5 at end of this document)

Today
21/04/2019



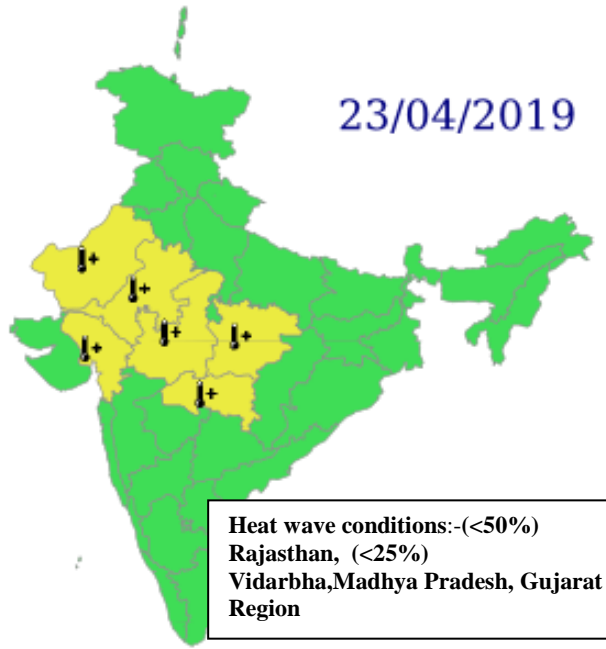
Heat wave conditions:- (<25%)
Saurashtra

Tomorrow
22/04/2019



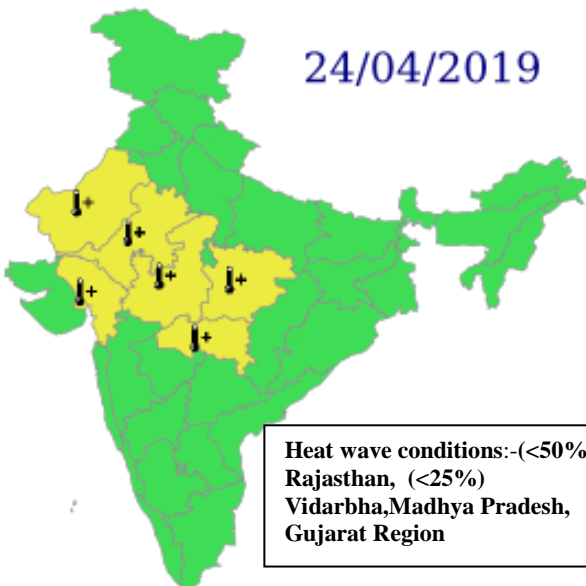
Heat wave conditions:- (<25%) West
Rajasthan

23/04/2019



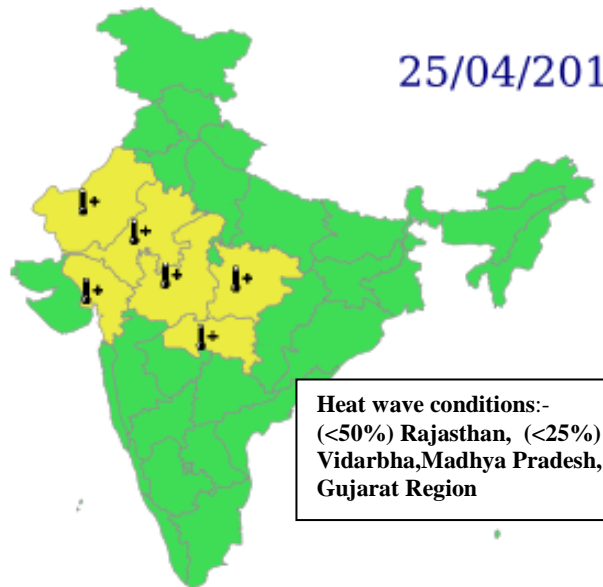
Heat wave conditions:-(<50%)
Rajasthan, (<25%)
Vidarbha, Madhya Pradesh, Gujarat
Region

24/04/2019

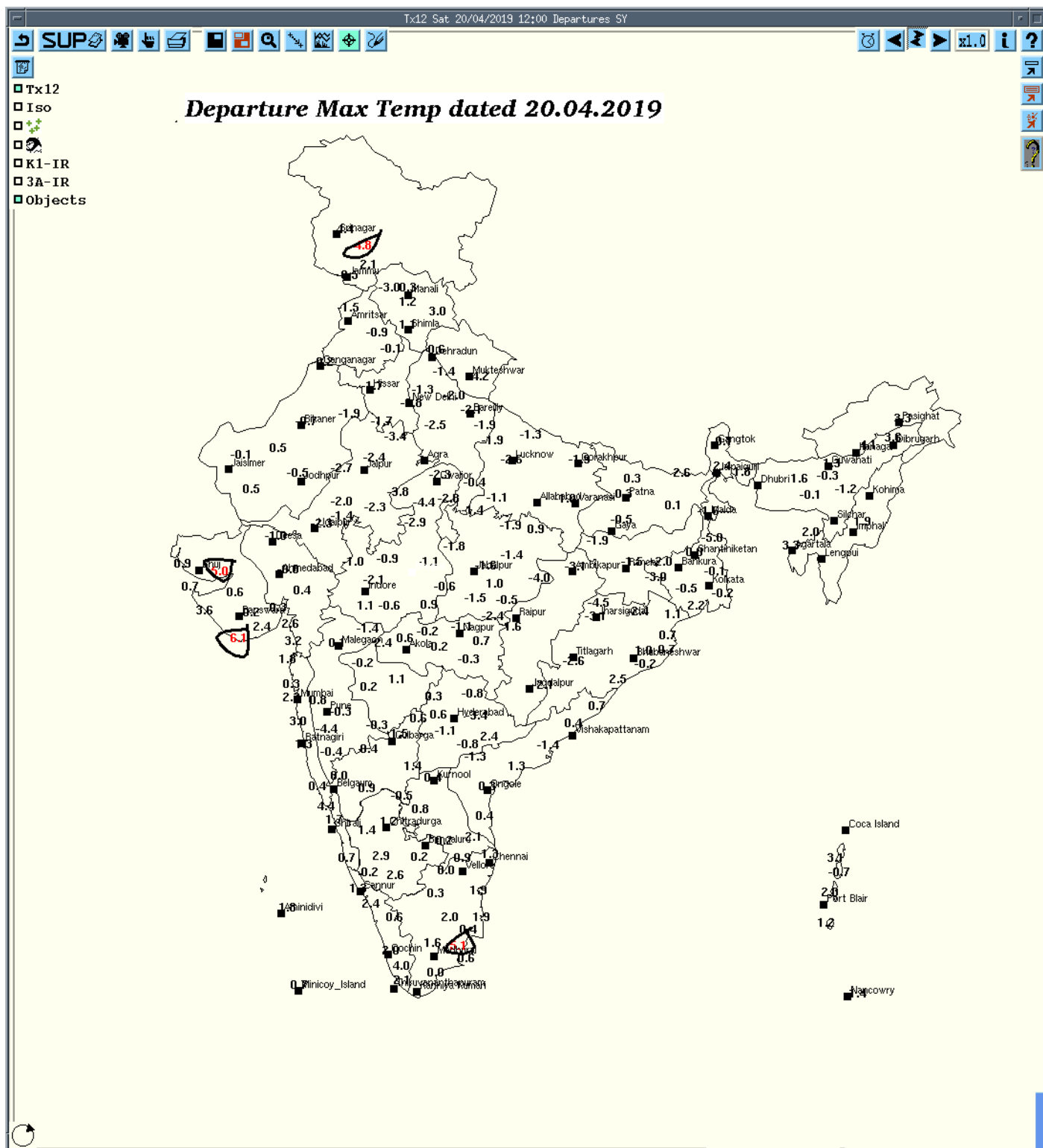


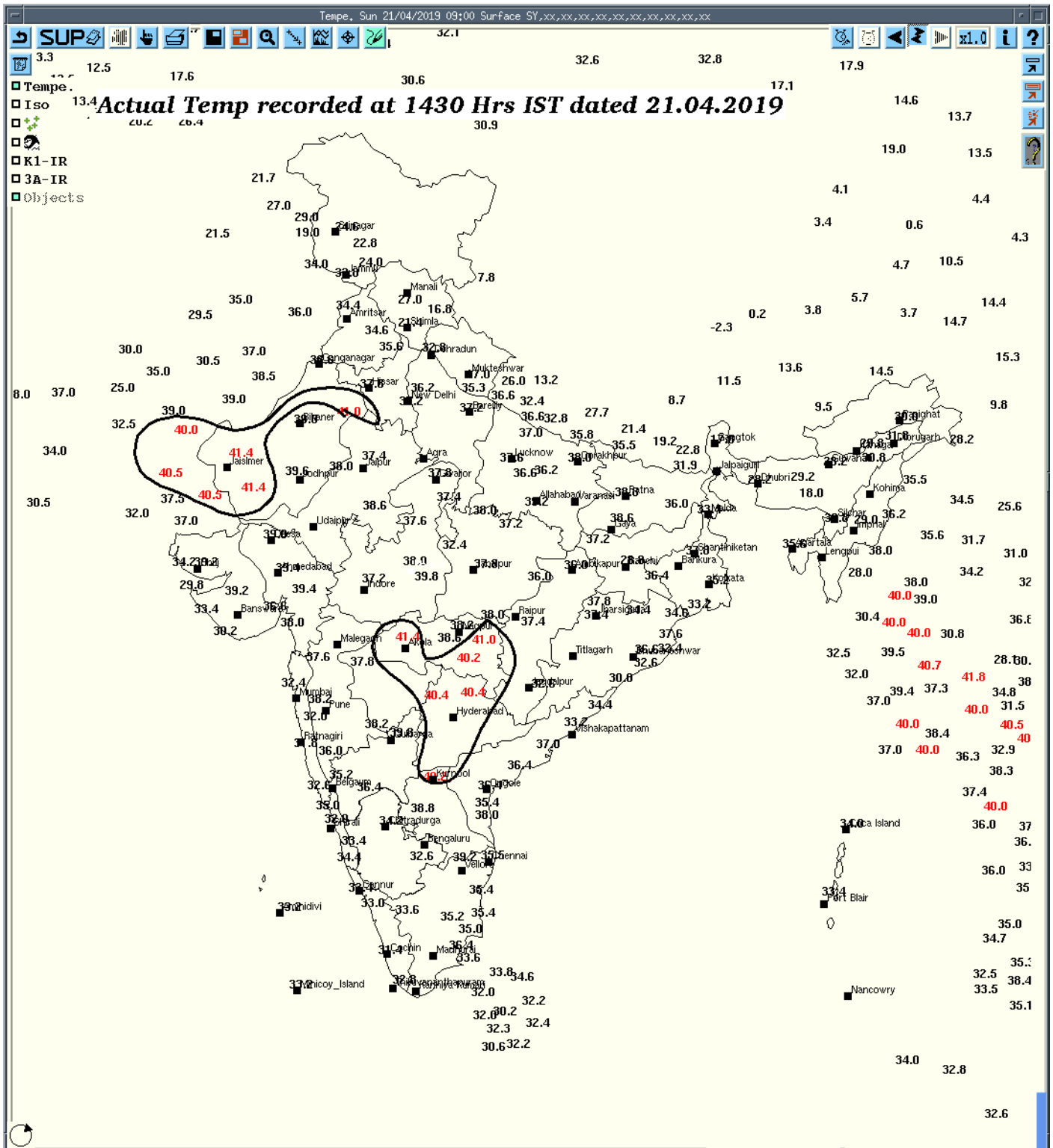
Heat wave conditions:-(<50%)
Rajasthan, (<25%)
Vidarbha, Madhya Pradesh,
Gujarat Region

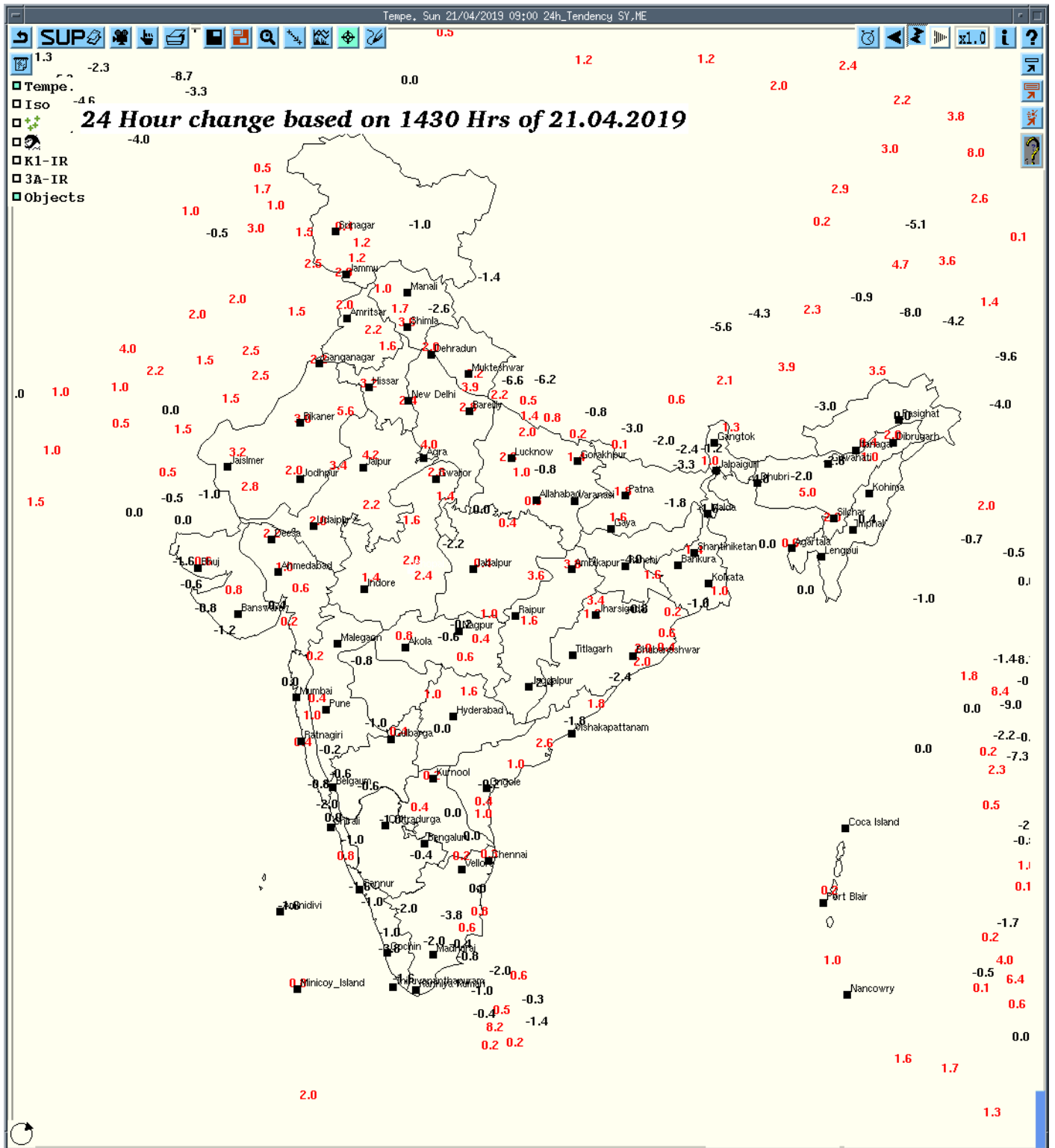
25/04/2019



Heat wave conditions:-
(<50%) Rajasthan, (<25%)
Vidarbha, Madhya Pradesh,
Gujarat Region







Heat Wave

Heat wave is considered if maximum temperature of a station reaches at least 40°C or more for Plains, 37°C or more for coastal stations and at least 30°C or more for Hilly regions. Following criteria are used to declare heat wave:

a) Based on Departure from Normal

- *Heat Wave*: Departure from normal is 4.5°C to 6.4°C
- *Severe Heat Wave*: Departure from normal is >6.4°C

b) Based on Actual Maximum Temperature (for plains only)

- *Heat Wave*: When actual maximum temperature $\geq 45^{\circ}\text{C}$
- *Severe Heat Wave*: When actual maximum temperature $\geq 47^{\circ}\text{C}$

To declare heat wave, the above criteria should be met at least in 2 stations in a Meteorological sub-division for at least two consecutive days and it will be declared on the second day.

Heat Wave Warning

| | | |
|--------------------------------------|---------------------------------------|--|
| Green (No action) | Normal Day | Maximum temperatures are near normal |
| Yellow Alert (Be updated) | Heat Alert | Heat wave conditions at district level likely to persist for 2 days |
| Orange Alert (Be prepared) | Severe Heat Alert for the day | (i) Severe heat wave conditions persist for 2 days. (ii) With varied severity, heat wave is likely to persists for 4 days or more |
| Red Alert (Take Action) | Extreme Heat Alert for the day | (i) Severe heat wave persists for more than 2 days. (ii) Total number of heat/severe heat wave days likely to exceeds 6 days. |