



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

Dated: 19th April, 2018

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 18 April to 0830 hrs IST of 19 April, 2018)

Heat Wave:

Yesterday, **Heat wave conditions** were observed in some parts of Saurashtra & Kutch (**Annexure 1 & 2**).

Maximum Temperature

Maximum temperatures were **markedly above normal (5.1°C or more)** at many parts of Saurashtra & Kutch; **above normal (1.6°C to 3.0°C)** at most parts of Himachal Pradesh, Haryana, Chandigarh & Delhi, Vidarbha, Konkan & Goa and Rayalaseema ; at many parts of Uttar Pradesh, West Rajasthan, Gujarat region; at some parts of Punjab, Madhya Pradesh, Bihar, Jharkhand, Chhattisgarh, Odisha, Coastal Andhra Pradesh, Telangana and Madhya Maharashtra and at one or two pockets of Kerala and Tamilnadu & Puducherry. Yesterday's the **Highest maximum temperature of 45.4°C** was recorded at Chandrapur (**Vidarbha**) over the plains of the country (**Annexure 1 & 2**).

Temperatures Recorded at 1430 Hours IST of Today, the 19th April, 2018

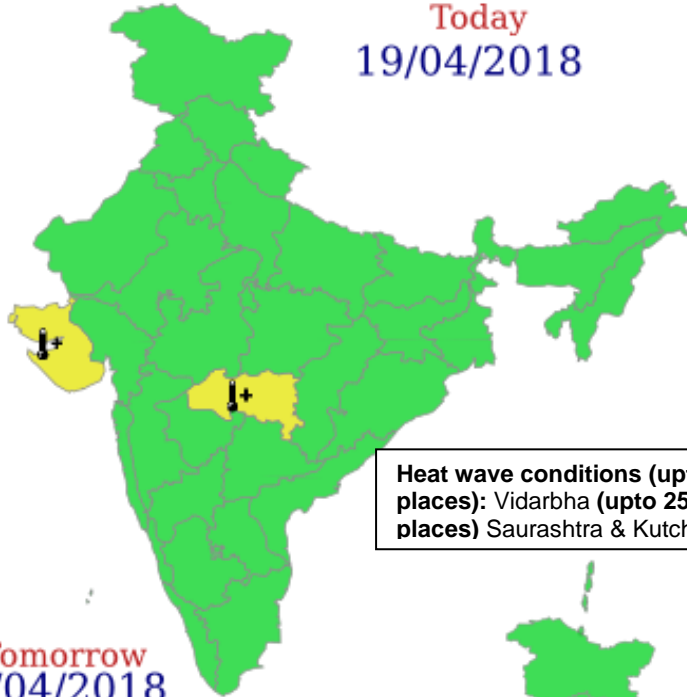
- **Temperatures** more than 40.0°C is recorded at most parts of Madhya Pradesh; at many parts of Vidarbha; at some parts of Bihar, Gujarat, Telengana and Rayalaseema and at one or two pockets of Punjab, Haryana, Rajasthan, Uttar Pradesh, Madhya Maharashtra, Marathwada, Jharkhand, Odisha, Chhattisgarh, Andhra Pradesh and North Interior Karnataka (**Annexure 3**).
- **Temperature recoded at 1430 hours of today have risen by 3-6°C** at one or two pockets of Jammu & Kashmir, Sikkim, Assam, Jharkhand, Gangetic West Bengal, Coastal Andhra Pradesh and Kerala; **by 1-3°C** at some parts of West Madhya Pradesh and at one or two pockets of Haryana, East Rajasthan, West Uttar Pradesh, East Madhya Pradesh, Bihar, Chhattisgarh, Madhya Maharashtra, North interior Karnataka 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)

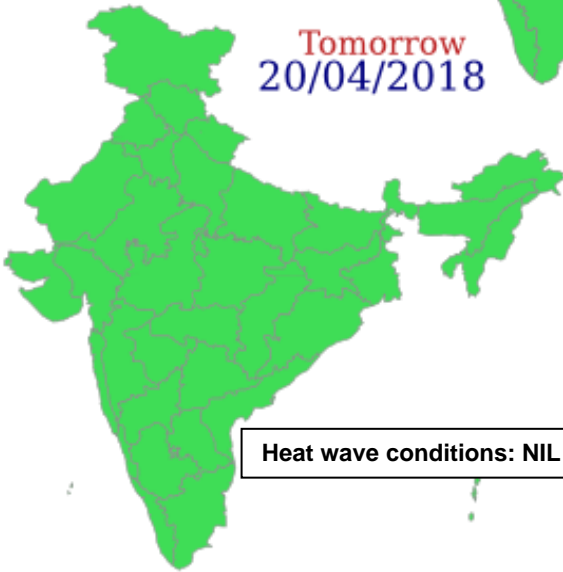
Under the influence of an approaching Western Disturbance, relative humidity would rise over most parts of northwest & central India; hence no heat wave is expected over these regions during next 4-5 days. However, it would prevail over some parts of Vidarbha and Saurashtra & Kutch today and may abate thereafter.

Today
19/04/2018



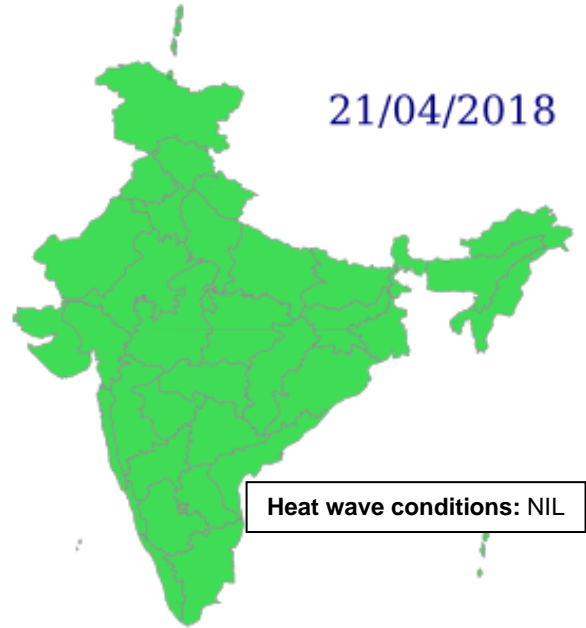
Heat wave conditions (upto 50% places): Vidarbha (upto 25% places) Saurashtra & Kutch.

Tomorrow
20/04/2018



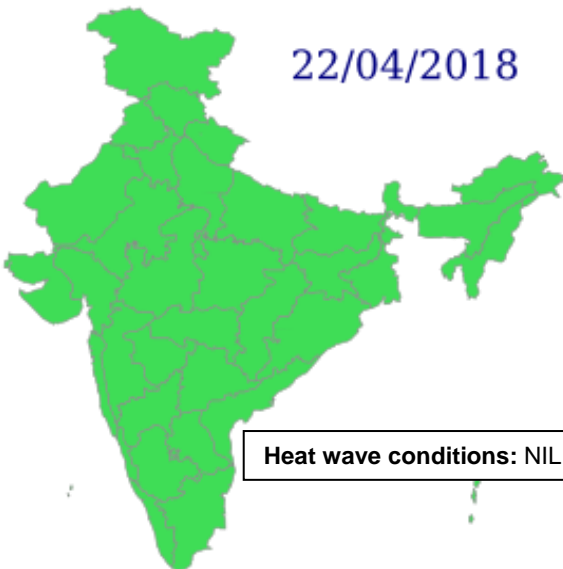
Heat wave conditions: NIL

21/04/2018



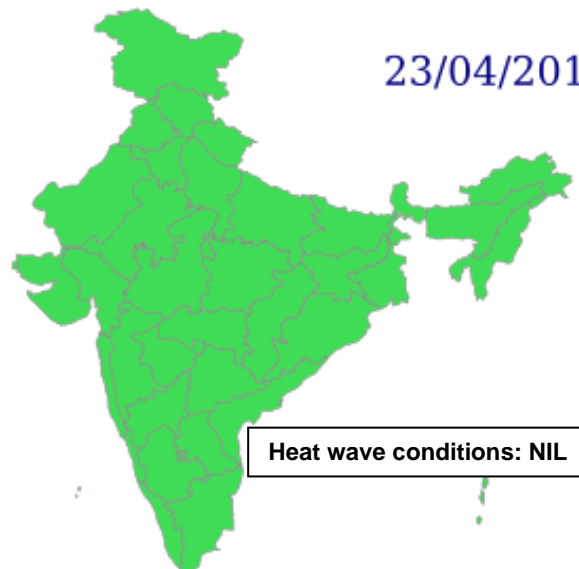
Heat wave conditions: NIL

22/04/2018



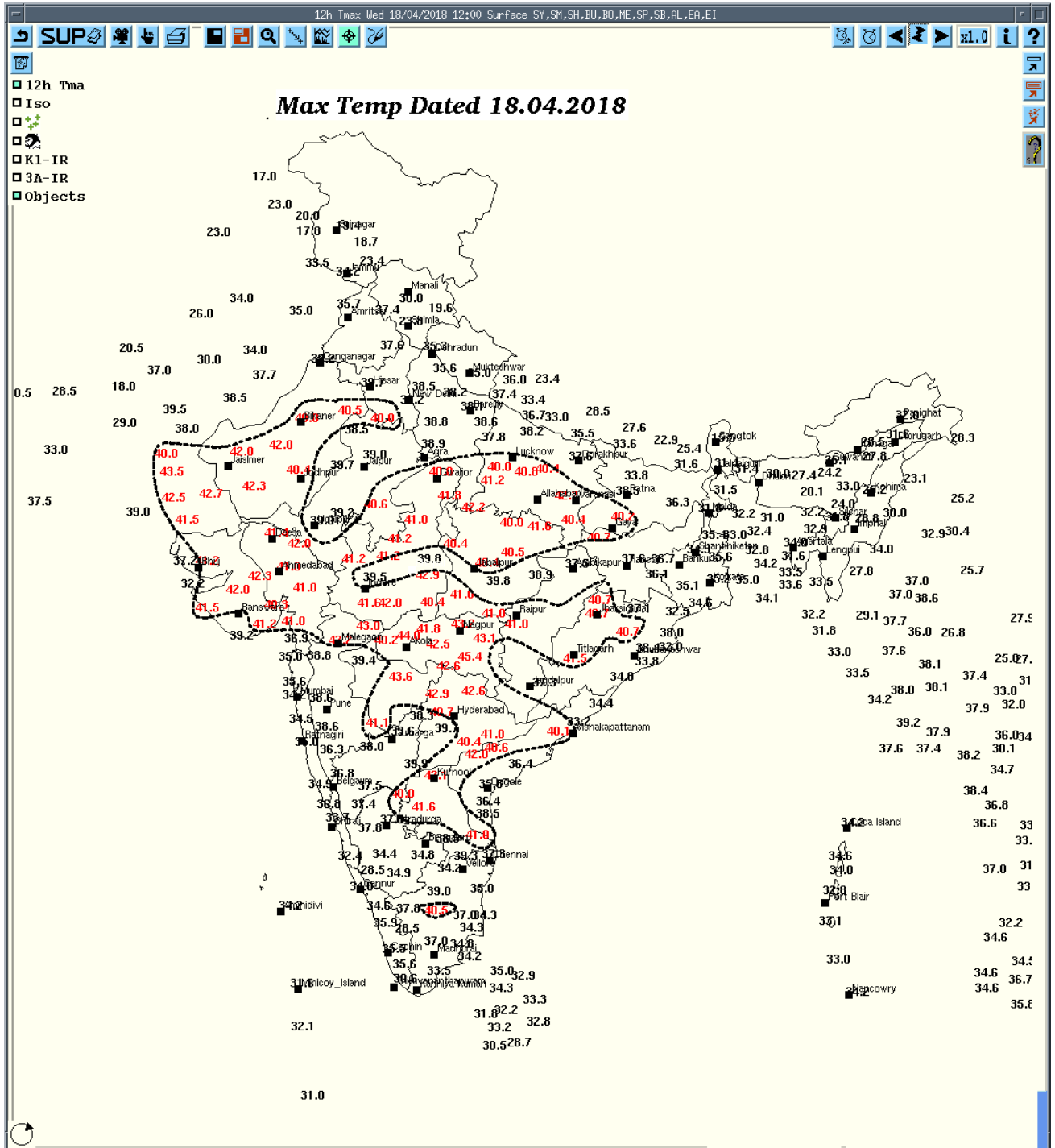
Heat wave conditions: NIL

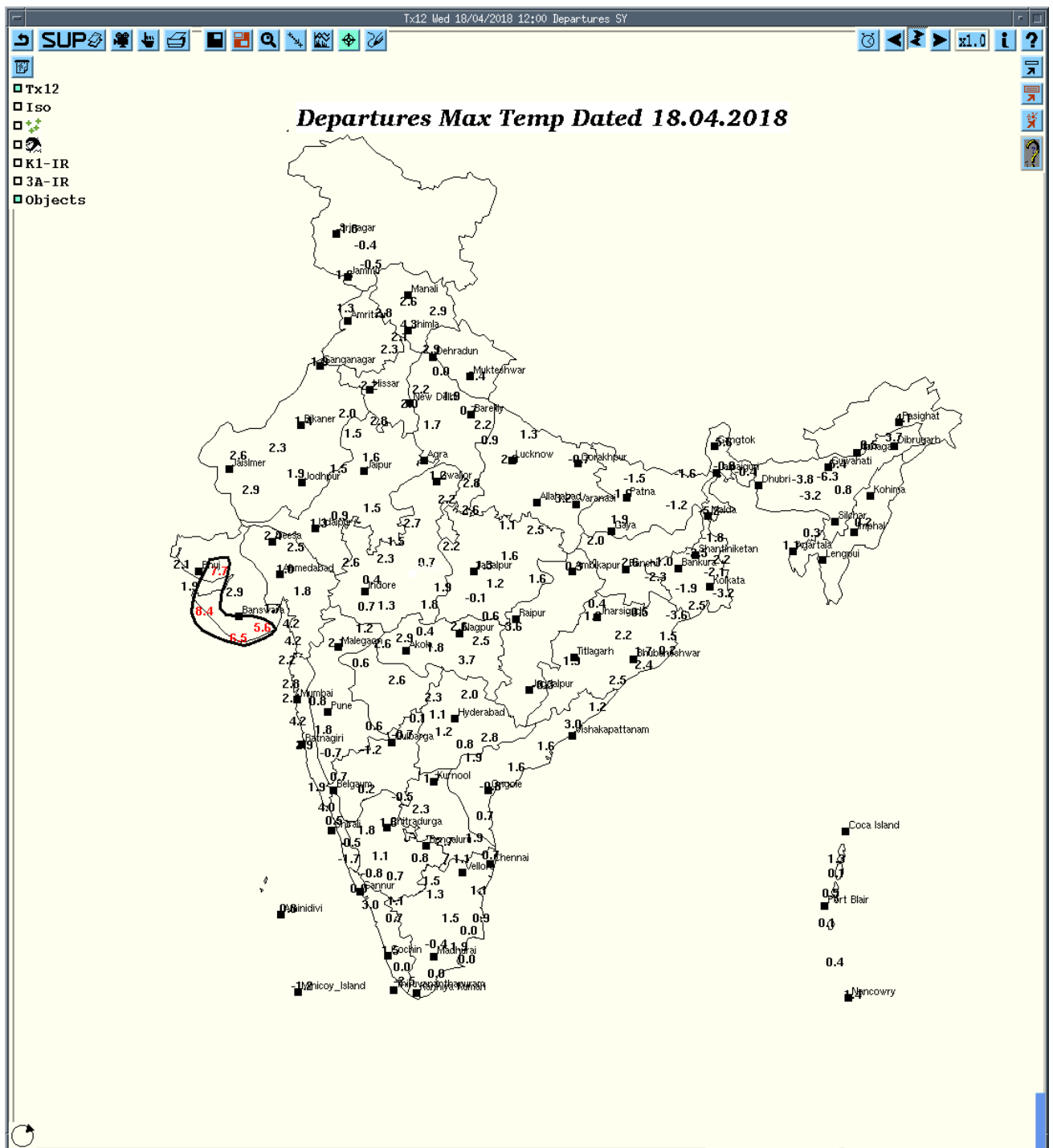
23/04/2018

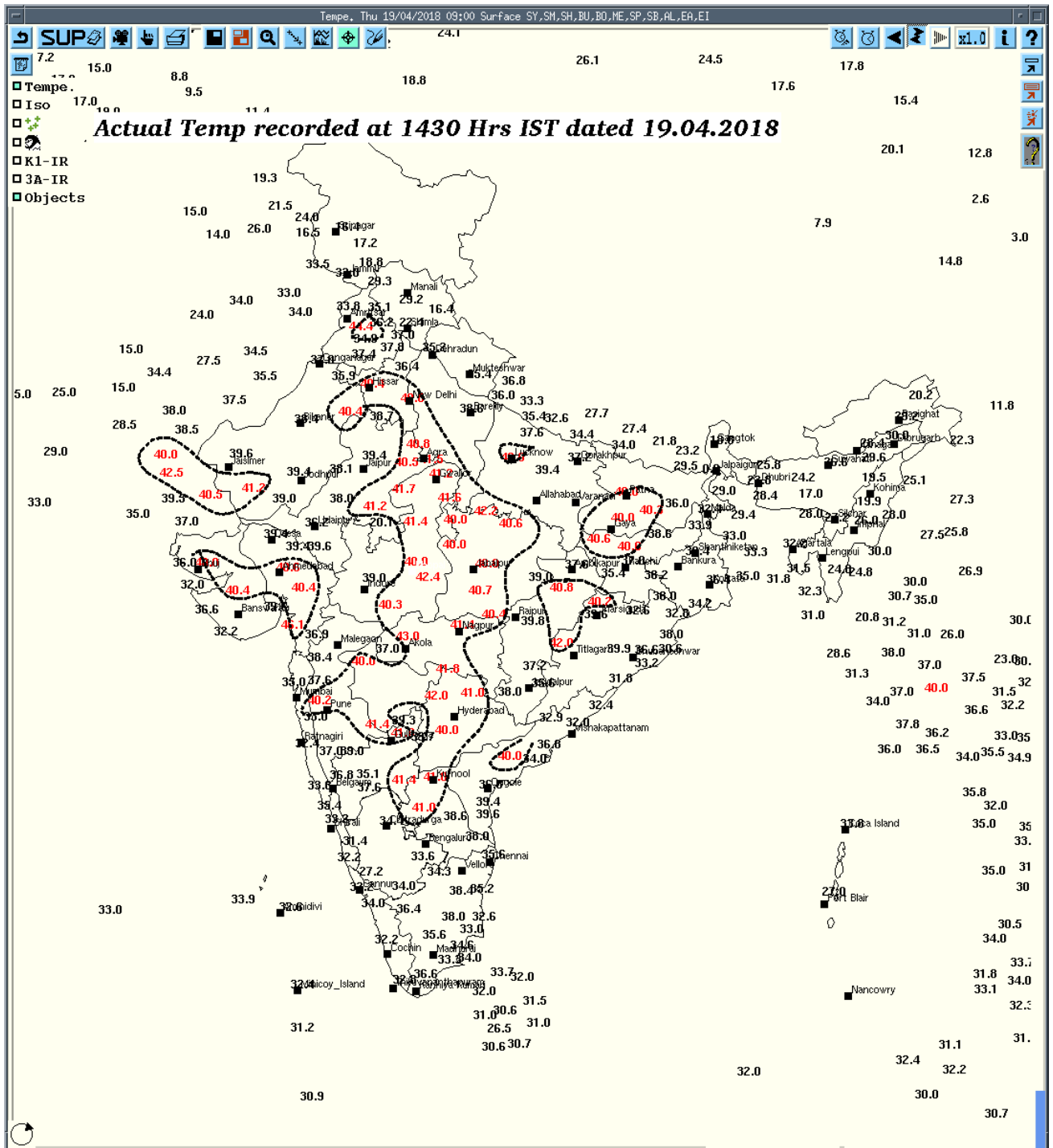


Heat wave conditions: NIL

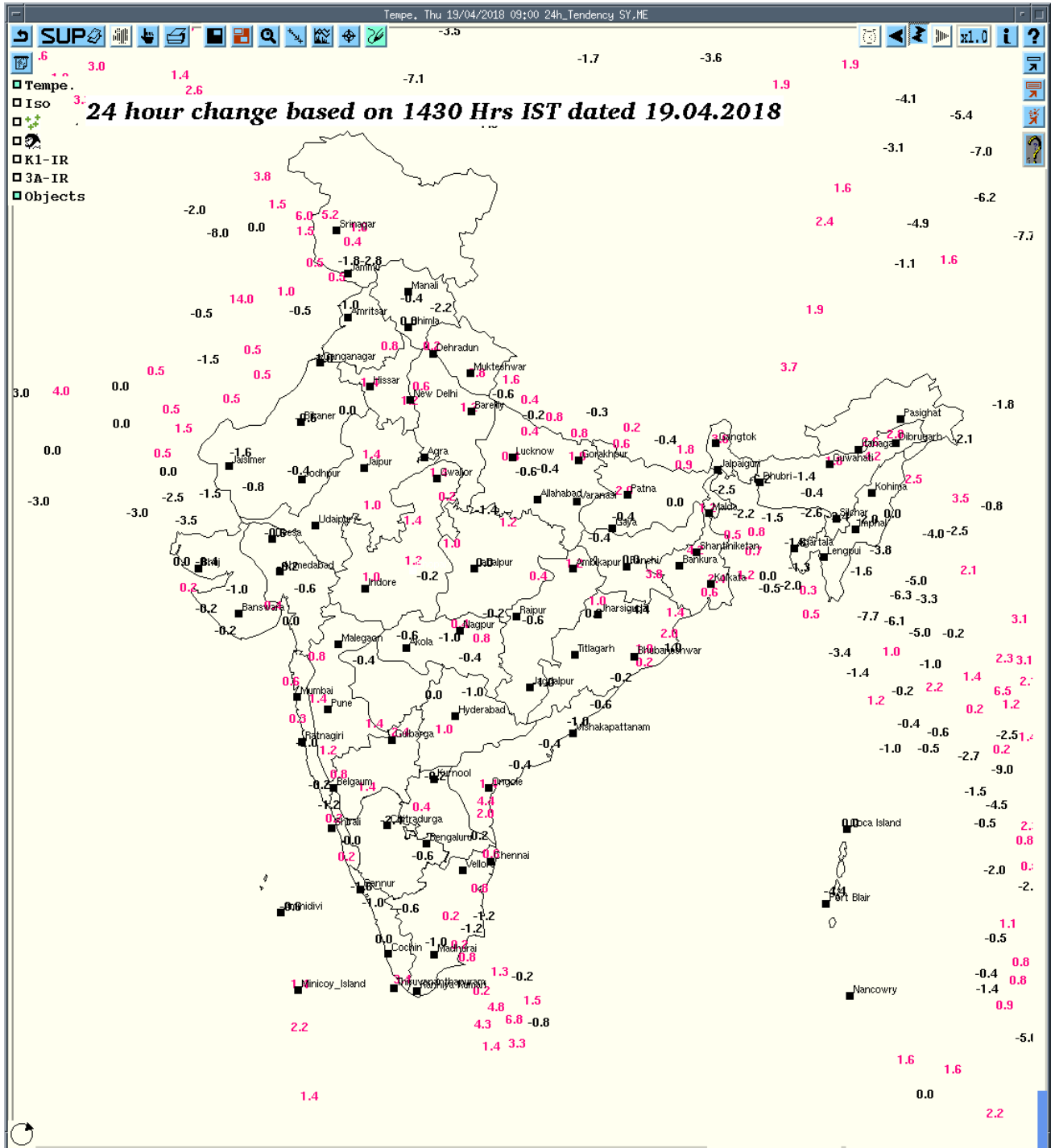
Annexure 1







Annexure 4



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.