



Heat stress Monitoring Using Excess Heat Factor Index (Experimental)

Dated: 04-05-2024
Time of Issue: 12:00 Hrs IST

Tmax & Excess Heat Factor 2024-05-03

Max.temp.(deg.Celcius),EHF Hatched
ON 03052024

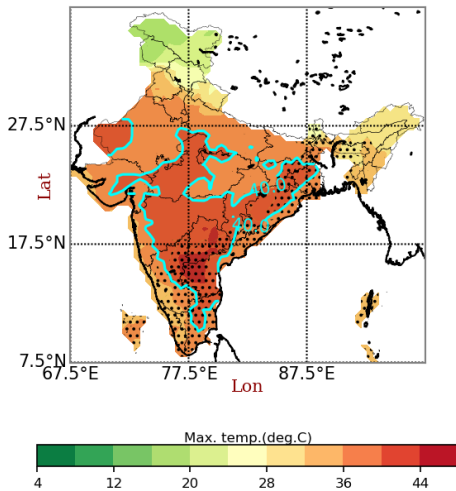


Figure 1: Shades represent Tmax. Excess heat factor (EHF) index with values greater than zero as dotted regions.

Over the Indian Regions marked by dots, (if exist) are under heat stress watch condition.

Excess Heat Factor Tendency 2024-05-03

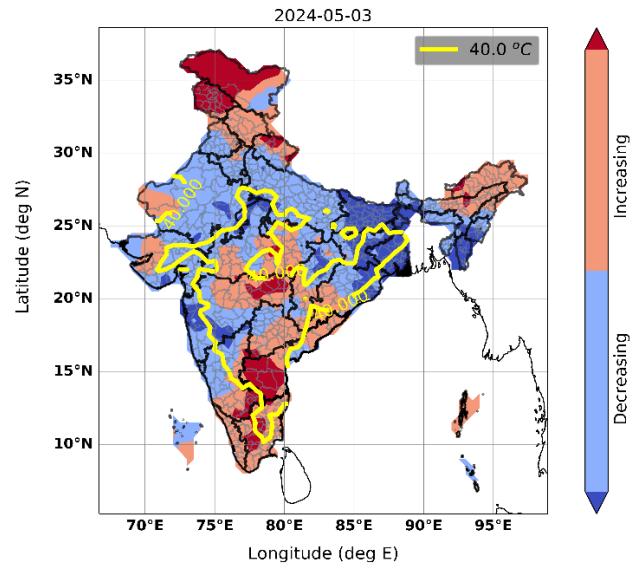


Figure 2: Shades represent tendency of EHF over last three days. The yellow contour shows the highest observed range of Tmax.

Regions with increasing EHF tendency and with Tmax contour ≥ 40.0 °C, if exist (refer fig 2 legend), are likely to progress towards heatwave type of condition.

(Max-Min)temperature(deg.Celcius)
ON 03052024

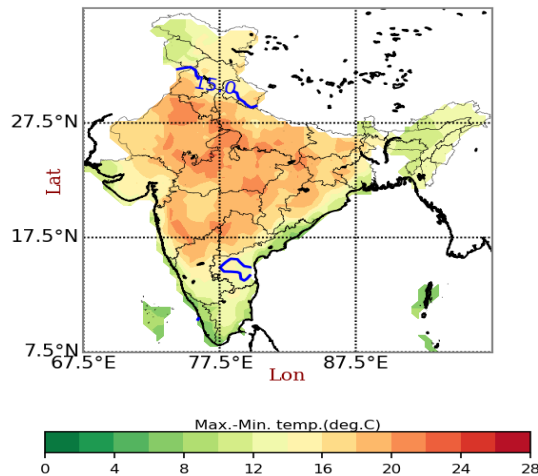


Figure 3: Diurnal temperature range ($T_{max}-T_{min}$) spatial map over Indian region.

Regions having low values of Diurnal temperature range along with (EHF) index > 0 should be watchful for excess heat stress type of conditions.

12day_cum_EHF
ON03052024

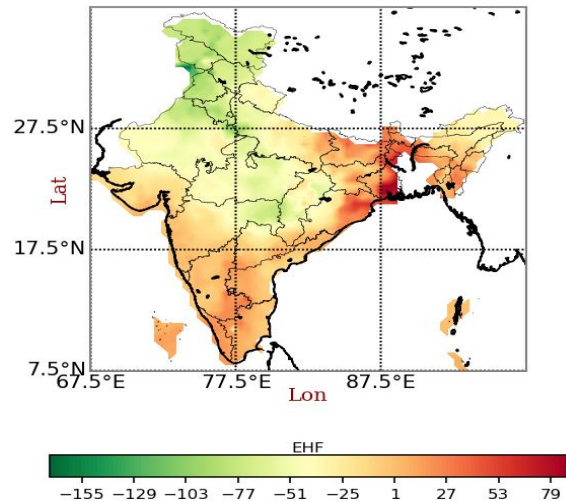


Figure 4: EHF cumulated for the last 12 days is shown above.

The region in Red may experience continuous Excess Heat in atmosphere since last 12 days.

For queries/feedbacks/suggestions related to this experimental product, please contact cauipune@gmail.com / rajib.chattopadhyay@imd.gov.in
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