Heat stress Monitoring Using Excess Heat Factor Index (Experimental)

Dated: 01-04-2024
Time of Issue: 12:00 Hrs IST

Tmax & Excess Heat Factor

2024-03-31

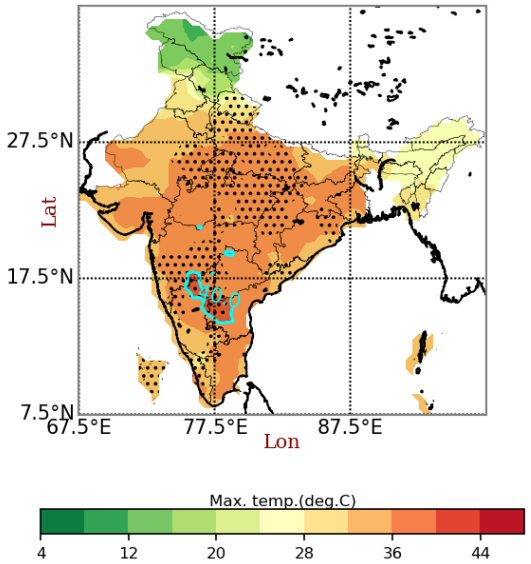

Figure 1: Shades represent Tmax. Excess heat factor (EHF) index with values greater than zero as dotted regions.
Over the Indian Regions marked by dots, (if exist) are under heat stress watch condition.

Excess Heat Factor Tendancy

2024-03-31

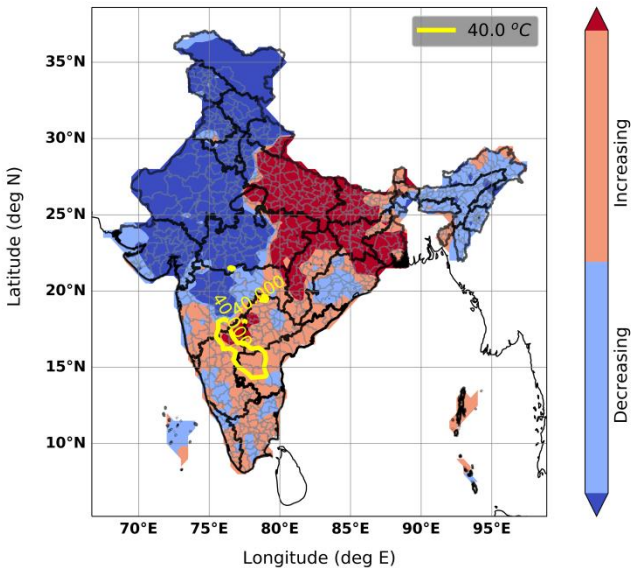

Figure 2: Shades represent tendency of EHF over last three days. The yellow contour shows the highest observed range of Tmax.
Regions with increasing EHF tendency and with Tmax contour ≥ 40.0 ^{0}C, if exist (refer fig 2 legend), are likely to progress towards heatwave type of condition.

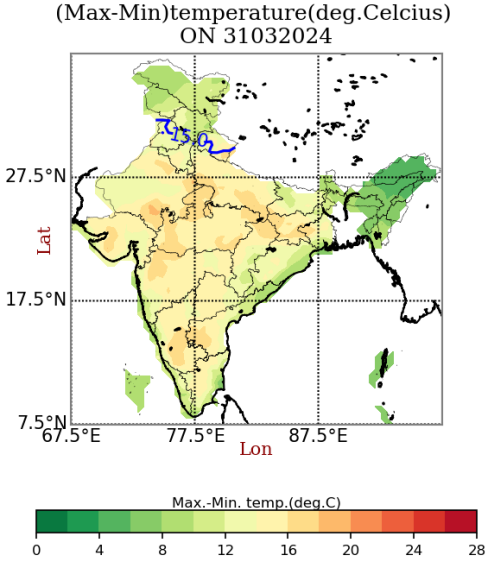

Figure 3: Diurnal temperature range (T_{max}-T_{min}) spatial map over Indian region.
Regions having low values of Diurnal tempetature range along with (EHF) index > 0 should be watchful for excess heat stress type of conditions.

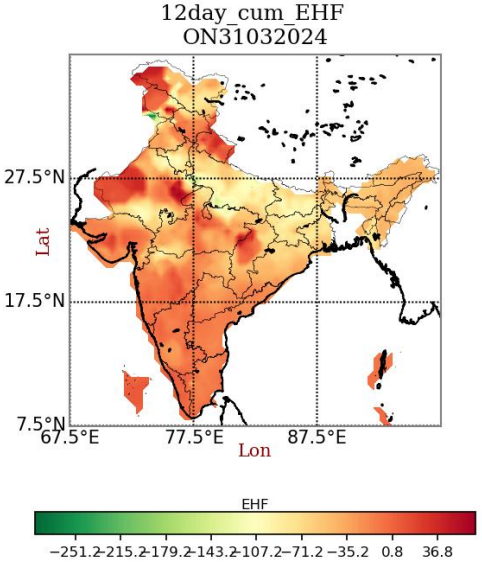

Figure 4: EHF cumulated for the last 12 days is shown above.
The region in Red may experience continuous Excess Heat in atmosphere since last 12 days.

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