



Indian National Centre for Ocean Information Services (INCOIS)
Ministry of Earth Sciences (MoES), Govt. of India
Hyderabad

Press Release

Swell Surge (Kallakadal) Warning to South Kerala, South Tamil Nadu and Lakshadweep Islands for 15–16 October 2024

INCOIS provides forecasts on the state of the ocean for the seas surrounding India during extreme weather conditions like high wave/swell conditions, cyclones, etc. based on multi-model operational forecasting system built upon numerical ocean models assimilated with real time data from buoys deployed in the coastal waters as well as in the open ocean, even deep south in the southern Indian Ocean.

INCOIS has issued Swell Surge (Kallakadal) Warning/Alert to South Kerala, South Tamil Nadu and Lakshadweep for 15–16 October 2024, due to high energy swell waves that are approaching the Indian coast from distant southern Indian Ocean. The event started at approximately 10,000 km away from Indian coast on 11 October 2024 in the southern Indian Ocean (around 45°S and 60°E) and slowly moving towards northern Indian Ocean. This has caused the high energy swell propagation (~22 s) towards the Indian coastal regions.

Observations from the Wave buoy network of INCOIS have confirmed the arrival of swell surges as predicted by INCOIS. Several instances of coastal inundation have also been reported from low lying areas of Kerala and South Tamil Nadu. Warnings to the affected districts of Kerala and South Tamil Nadu will continue till 17:30 of 17 October 2024. Swell surge alert to the low-lying coastal regions of Karnataka, Goa, Maharashtra, Gujarat states, and UT Daman-Diu will continue till 23:30 on 17 October 2024. Swell surge alert to the low-lying coastal regions of Andhra Pradesh, Odisha, and West Bengal will continue till 08:30 hours on 19 October 2024.

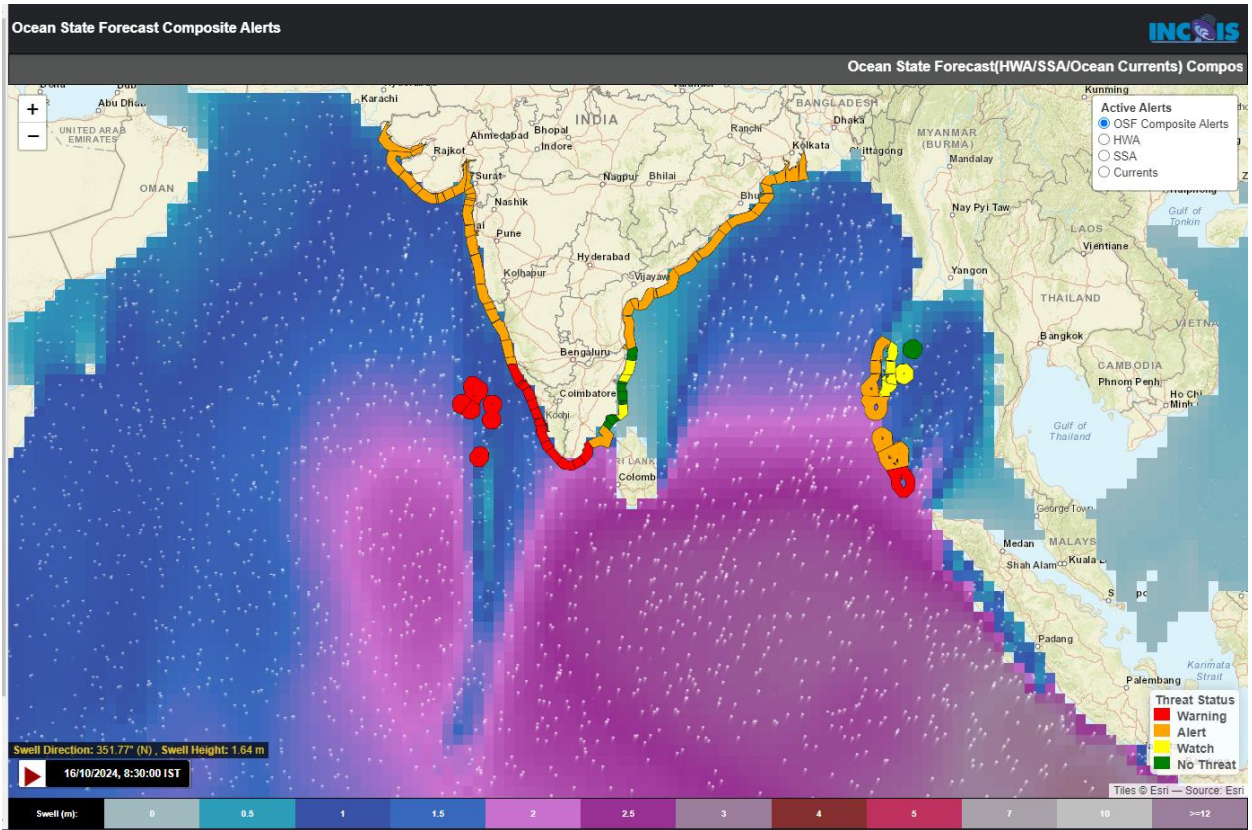
Fishermen and coastal population under warning districts should be cautioned to stay alert on surging of waves (gushing of sea water) intermittently in the nearshore/beach region, particularly in the low-lying areas. Small vessels should be advised to not to ply nearshore. Boats may be advised to anchor at a fair distance from each other, to avoid collision and damage. Public should be advised for total suspension of operational/recreational (all tourism) activities at beach/nearshore regions. This bulletin is being issued as advice. Only national/state/local authorities and disaster management officers have the authority to make decisions regarding the official threat and warning status in their coastal areas and any action to be taken in response.

We are presently monitoring the situation, and the updates will appear on the INCOIS website. Public is advised to check INCOIS website at www.incois.gov.in/portal/osf/osf.jsp for further information and updates on the event.

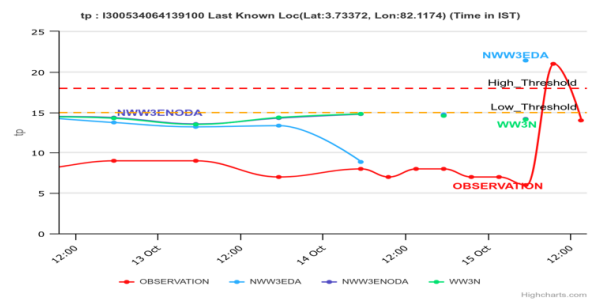
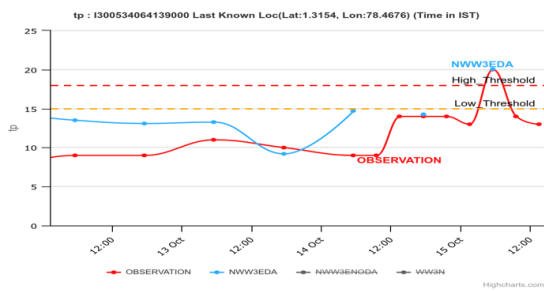
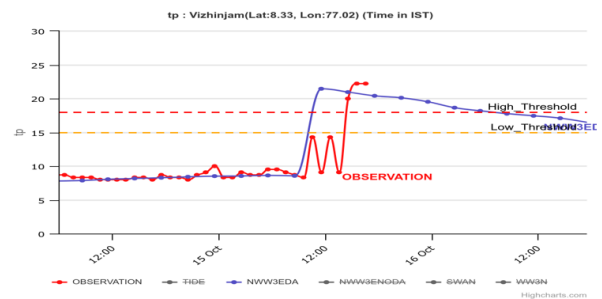
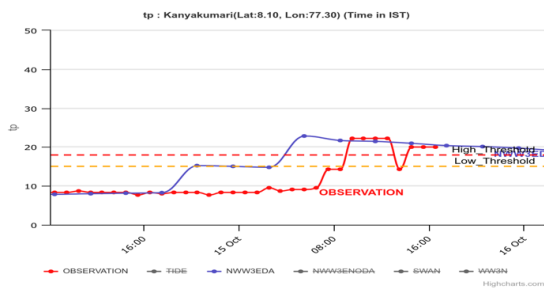
16th October 2024
INCOIS, Hyderabad



Swell Surge Alerts and Warnings



Observations confirming High period swells around Indian coast.



Field photos and News reports from Kerala

