

Coral Reef Health Monitoring

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ITCOOcean Training Program

on

“Remote Sensing and GIS for Earth Observation and Applications”

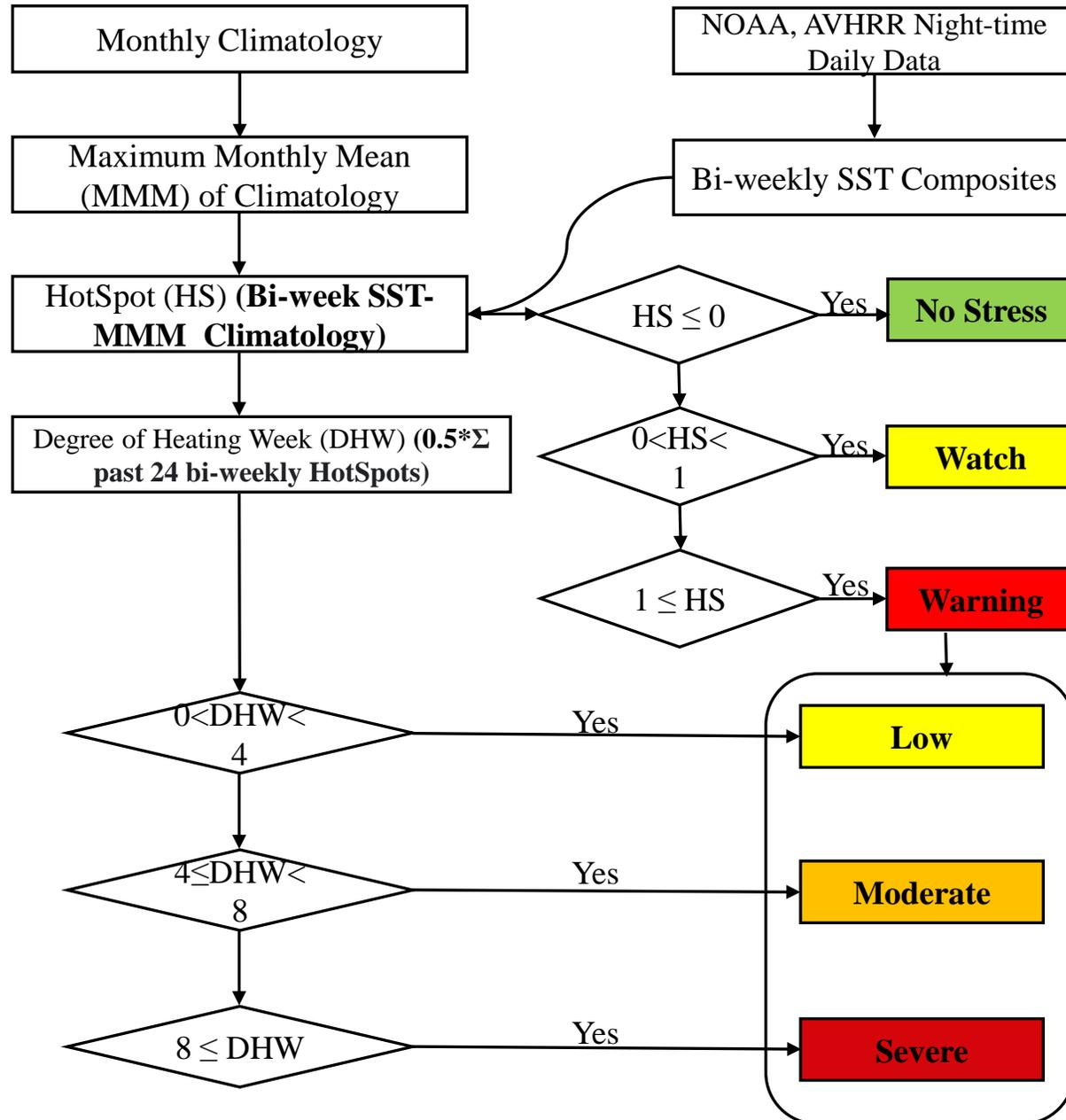
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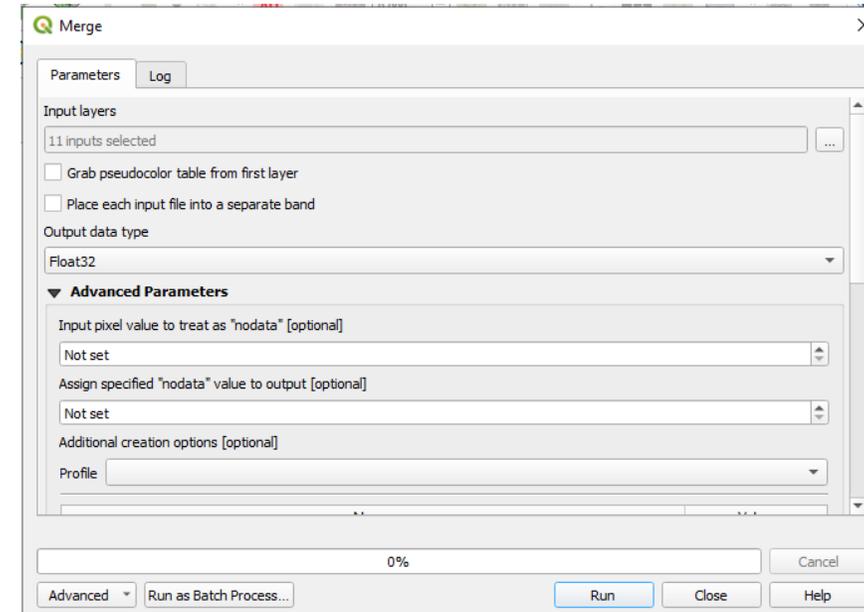
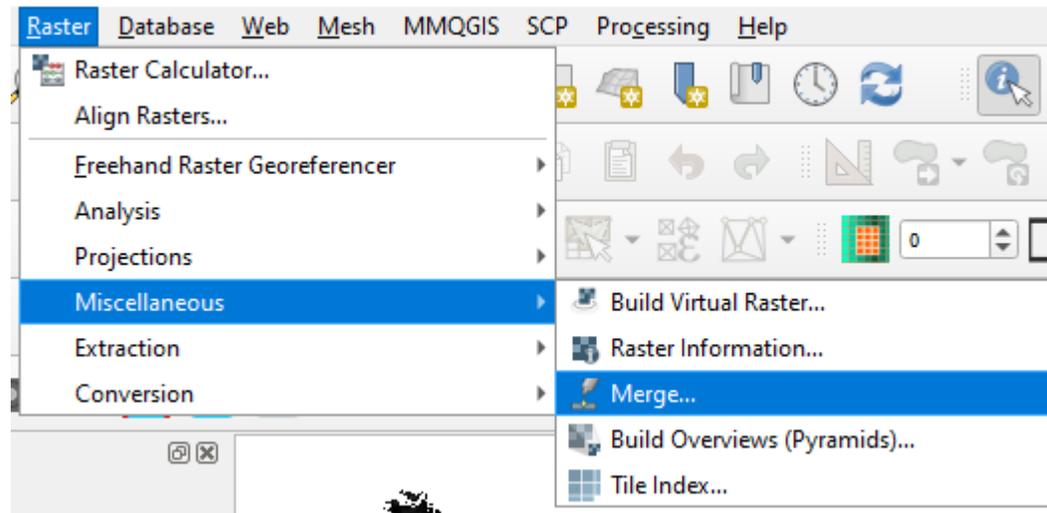




- Go to https://incois.gov.in/portal/remotesensing/TERA_display.html

Images mosaicking to generate Bi-week SST image

- Go to add raster → select 3 days SST images and add
- Go to Raster → Miscellaneous → Merge → → Select input images → Input pixel value to treat as “Nodata” (optional): enter 0 . Do same for output image also → give output name and path → run



Go to SCP → Bandset → create band set with Bi-weekSST

Go to Bandcalc → enter below formula → run → give output folder

The screenshot shows the Semi-Automatic Classification Plugin (SCP) interface. On the left is a navigation tree with categories like Band set, Basic tools, Download products, Preprocessing, Band processing, Postprocessing, Band calc, Batch, Settings, User manual, Help, About, and Support the SCP. The main window displays the Bandcalc tool configuration.

Band list:

Variable	Band name
10 raster10	20230409-145750Z-noaa-19-sst
11 raster11	20230409-172950Z-noaa-18-sst
12 raster12	Biweek_SSTnew
13 raster13	Merged

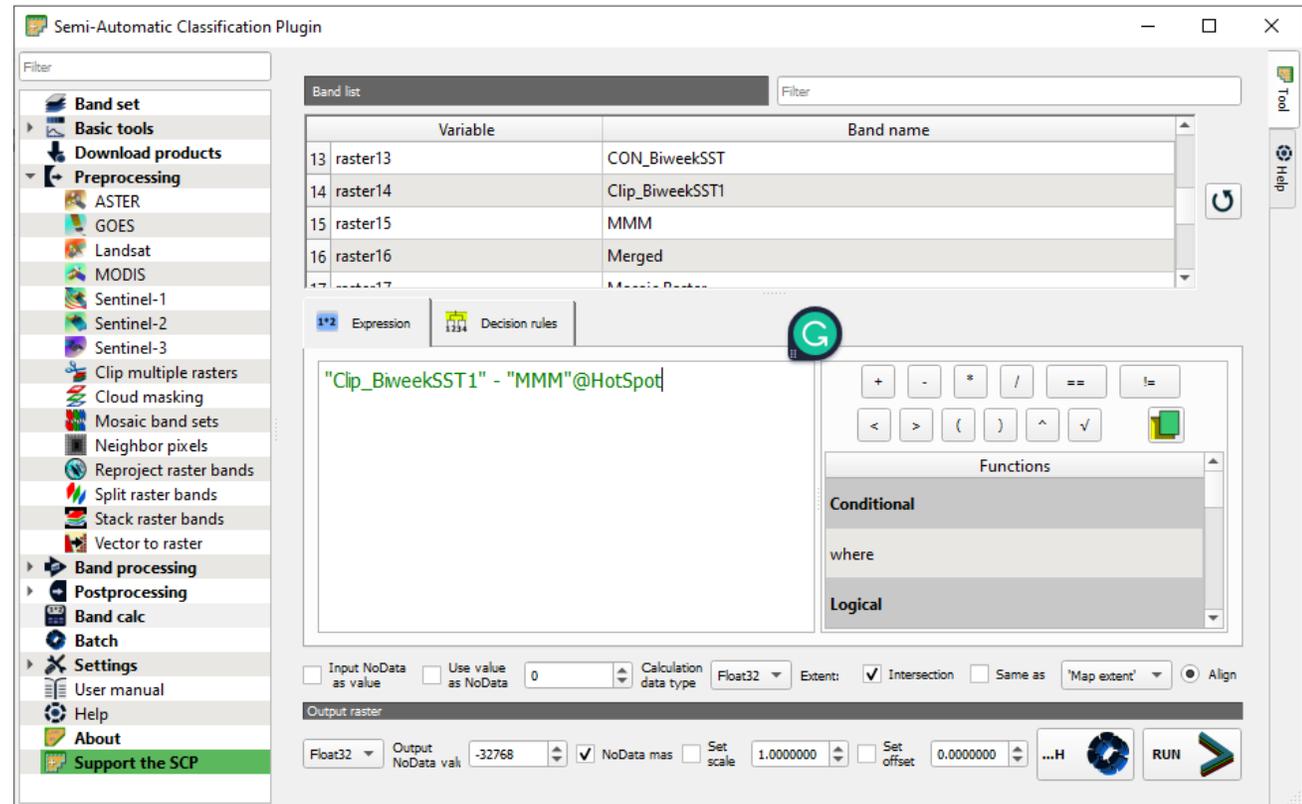
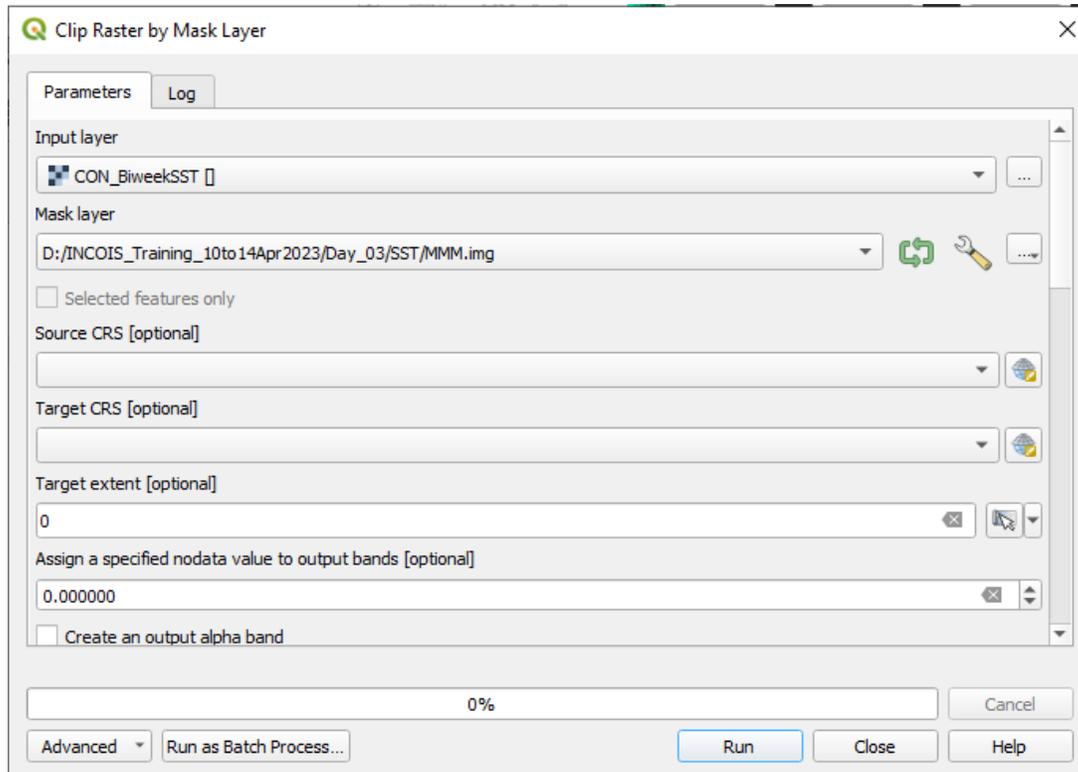
Expression: "Biweek_SSTnew" * 0.15@Bi-weekSST

Functions: Conditional, where, Logical

Options: Input NoData as value, Use value as NoData (0), Calculation data type (Float32), Extent: Intersection, Same as, 'Map extent', Align

Output raster: Float32, Output NoData val: -32768, NoData mas, Set scale (1.0000000), Set offset (0.0000000), ...H, RUN

- Monthly Maximum Mean data will give you → add to layer panel → add to band set in SCP
- We have Bi-week SST data
- Create a shape file → Draw a polygon around MMM SST data
- Clip Bi-Week SST data → go to Raster → Extraction → Clip Raster by Mask Layer.
- Go to SCP → BandCalc → Write the equation → Run → Give output Folder





Thank you