



# **Sea Level Network**

**Report to the 18th Session of the Group of Experts for the  
Global Sea Level Observing System**

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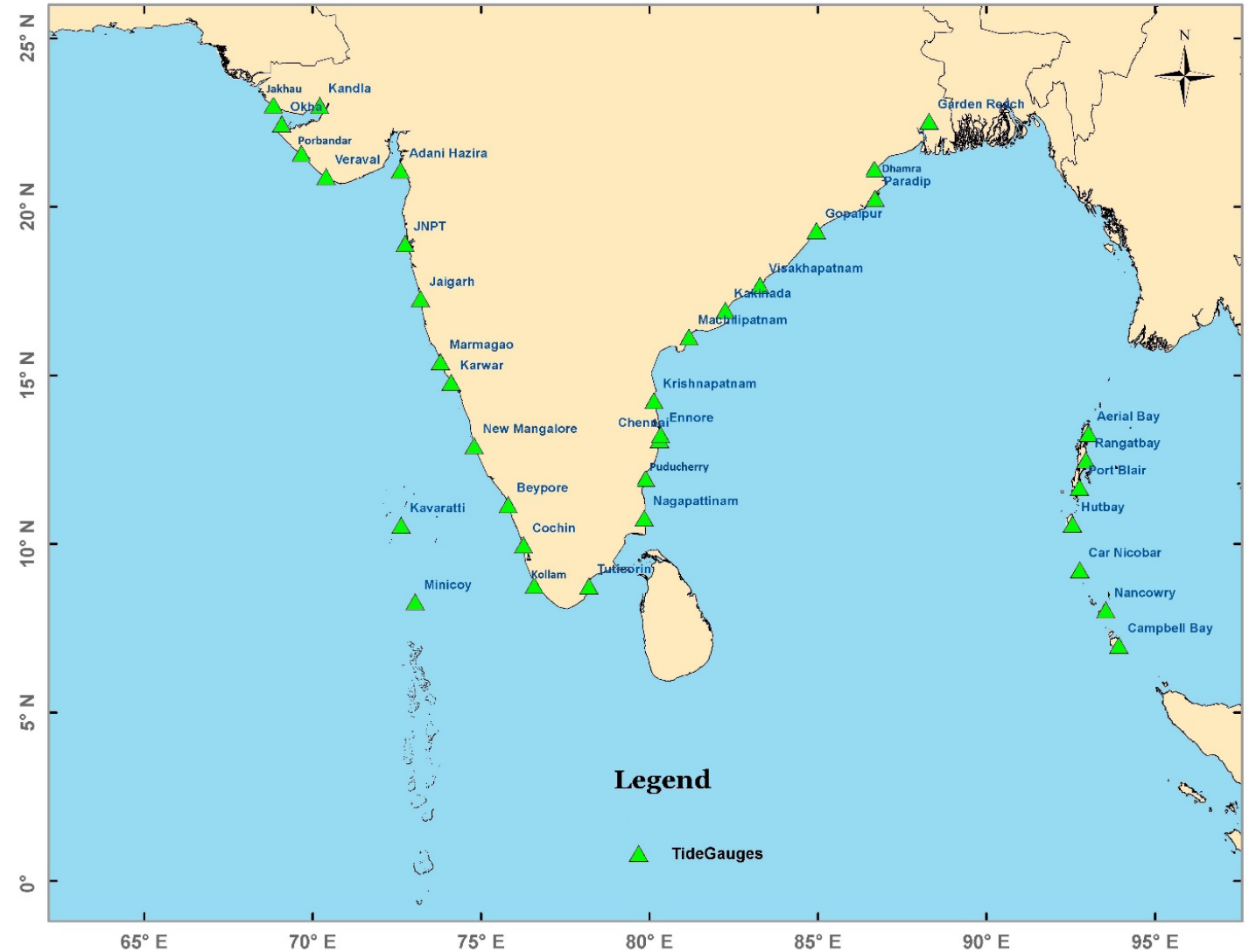
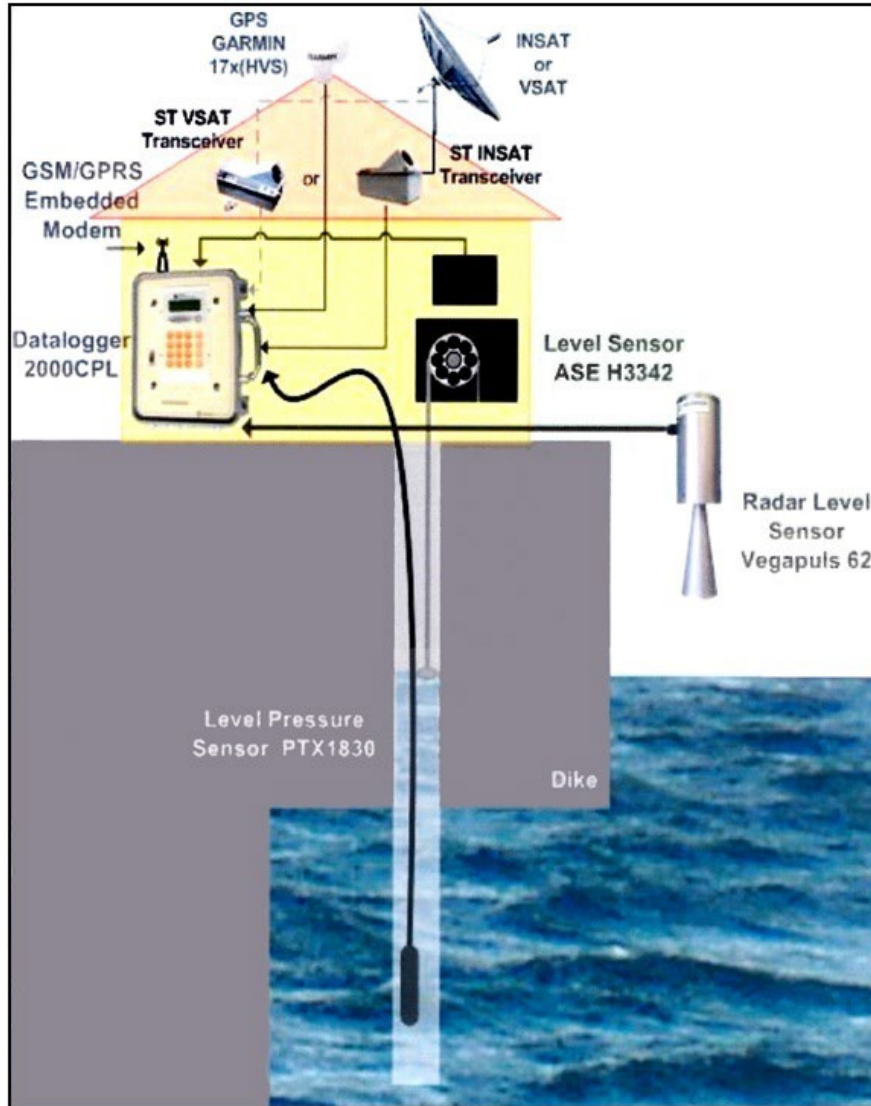
**Indian National Centre for Ocean Information Services**

**Hyderabad**

# National Sea Level Observing Network

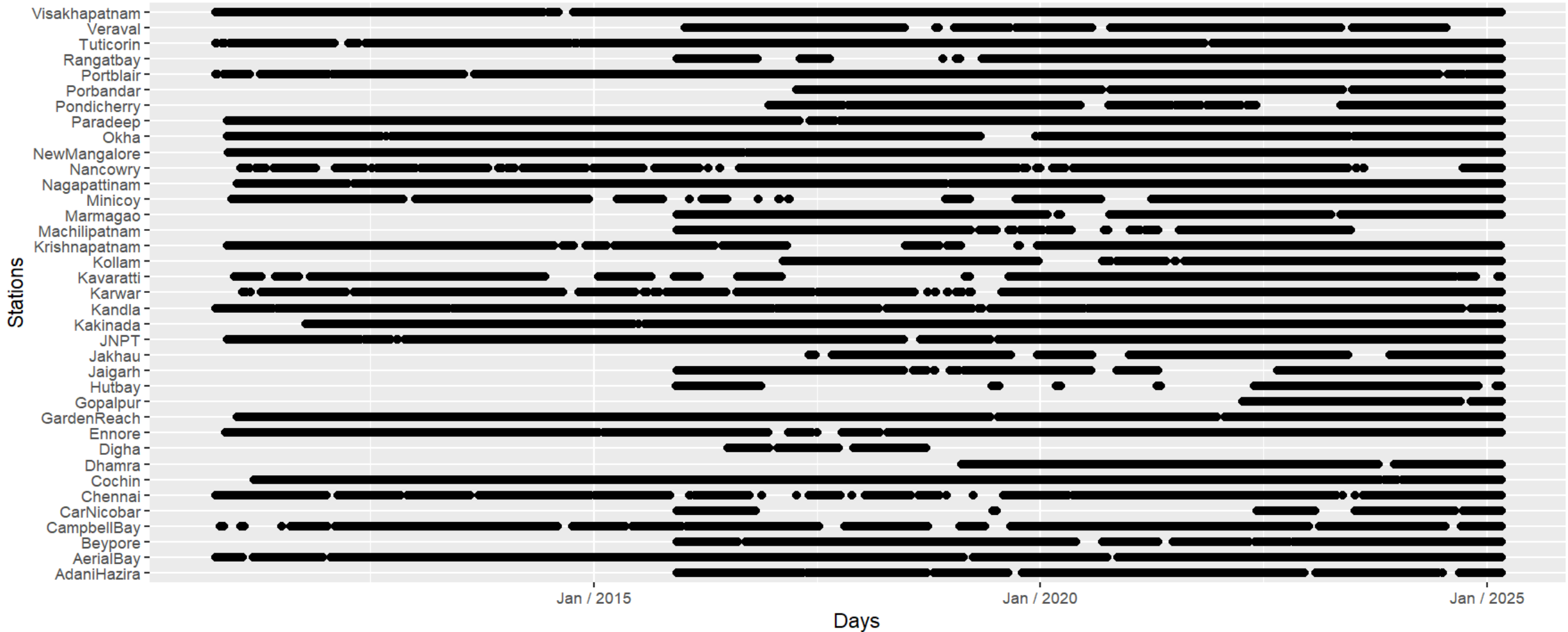
- Survey of India (SOI) is a nodal agency for Tide gauge Observations – since 1877, 140 years
- Indian Ocean tsunami on 26 December 2004 - Indian Tsunami Early Warning Centre (ITEWC) was established at Indian National Centre for Ocean Information Sciences (INCOIS) Hyderabad.
- As part of the tsunami warning network – Tide Gauges + Tsunami Buoys
- 36 tidal gauge stations
- 6 tsunami buoys

# Tide Gauge Network



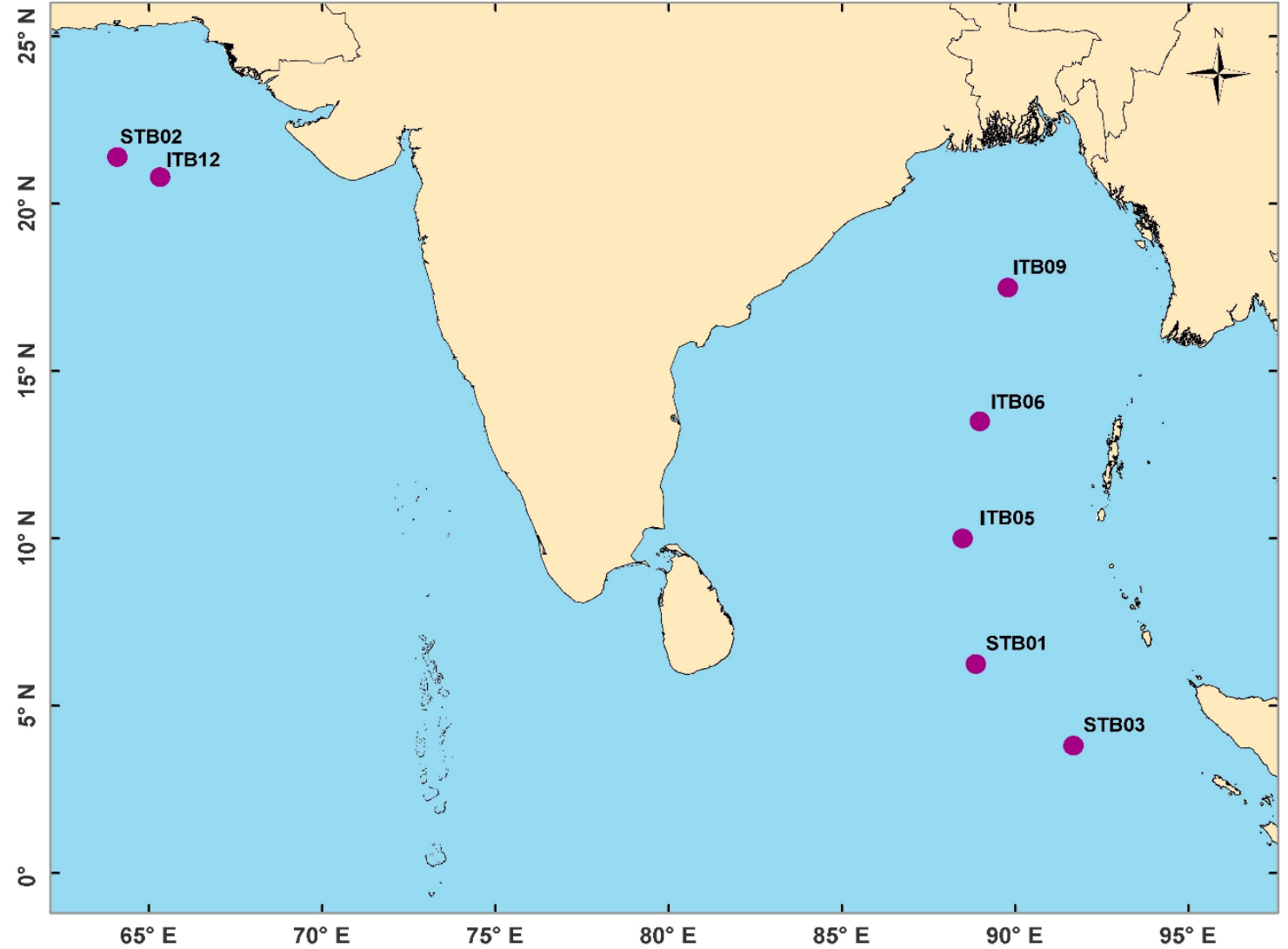
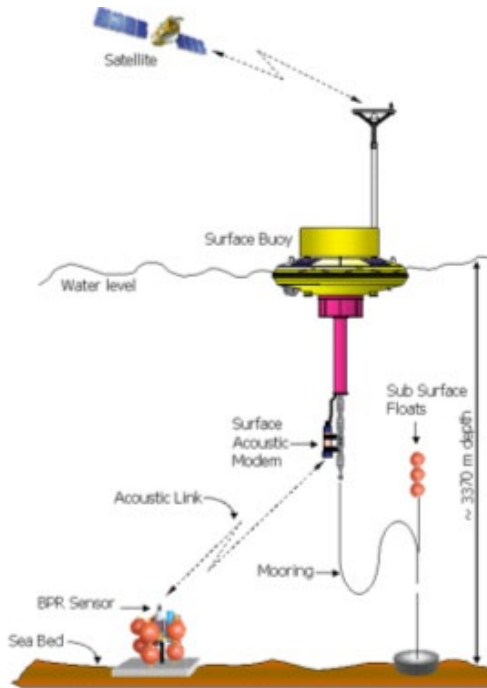
# Tide Gauge Network

Tide Gauges  
 Realtime data October 2010 to February 2025

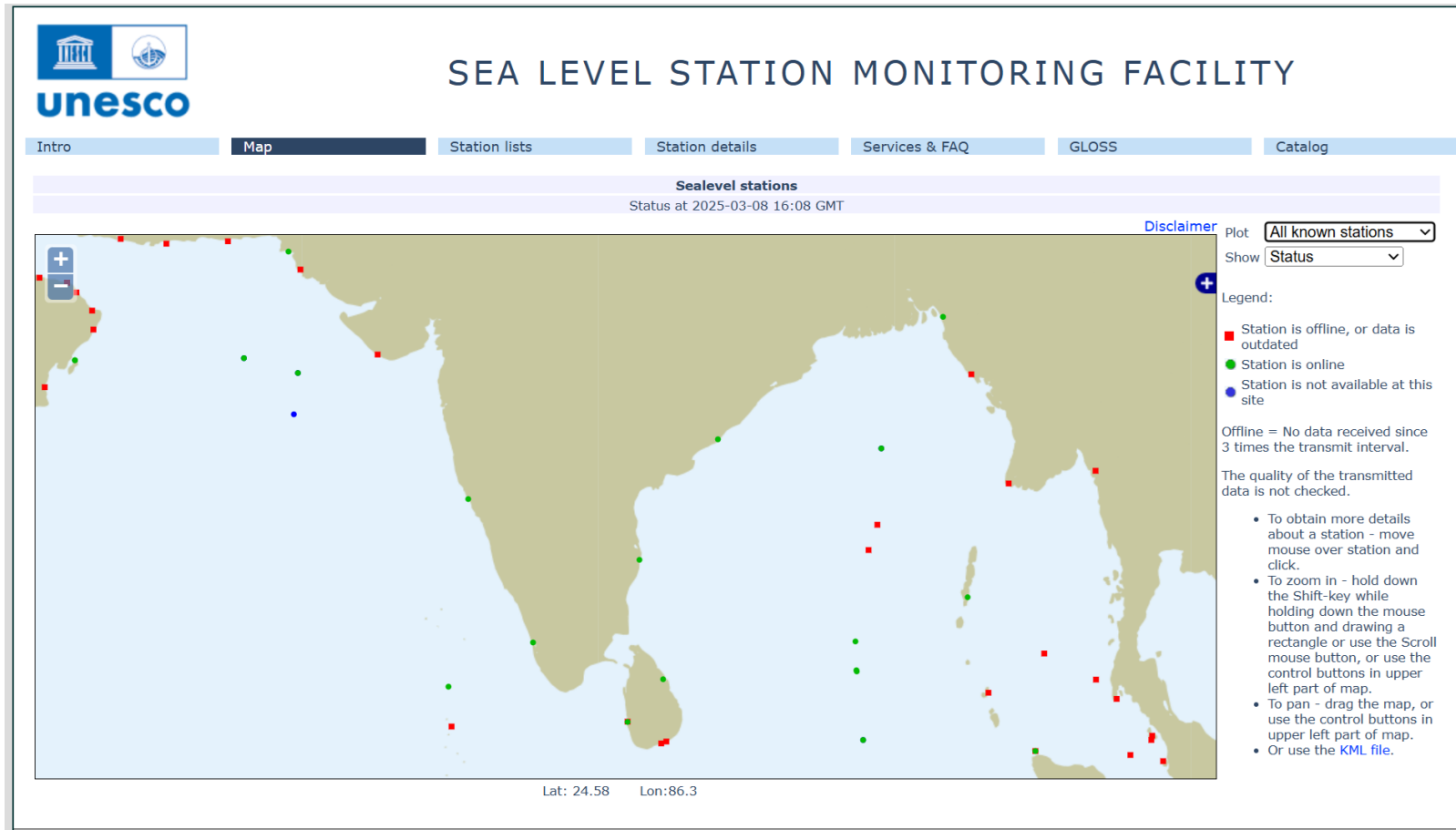


# Tsunami Buoy Network

Tsunami Buoy System



# Data sharing to International Community



Tide Gauges : Chennai, Cochin, Nancowry, Port Blair, Visakhapatnam, Minicoy, Marmagao and Veraval – (08 No. of Stations)

Tsunami Buoys : ITB05, ITB06, ITB09, ITB12, STB01, STB02 and STB03 – (07 No. of Stations)

# real-time data sharing to IOC Sea level website and NOAA NDBC (Tsunami Buoys)

dni7		India	DART Bay of Bengal	web		2709.09	2024-02-08 08:00	387d	6h	[open]
dni4		India	DART Bay of Bengal	web		2334.51	15:00	3h	6h	[open]
dni6		India	DART Bay of Bengal IN4	web		3319.4	04:00	14h	6h	[open]
marm	281	India	Marmagao	ftp	43195	6.12	18:02	9'	10'	[open]
coch	32	India	Cochin	ftp	43357	1.48	18:03	8'	10'	[open]
nanc		India	Nancowry	ftp	43383	0.16	09:05	9h	10'	[open]
ptbl	38	India	Port Blair	ftp	43332	1.3	18:02	9'	10'	[open]
vish	35	India	Visakhapatnam	ftp	43151	1.46	17:59	12'	10'	[open]
dara		India	DART Arabian Sea	web		2789.76	12:00	6h	6h	[open]
dni2		India	DART Bay of Bengal	web		3801.39	12:00	6h	6h	[open]
dar2		India	DART Arabian Sea	web		2824.4	17:00	1h	6h	[open]
mini	29	India	Minicoy	ftp	43370	0.01	14:05	4h	10'	[open]
verav	31	India	Veeraval	ftp	42910	7.32	2024-05-10 06:03	296d	10'	[open]
chenn	34	India	Chennai	ftp	43280	0.92	18:03	8'	10'	[open]



Tide Gauge Network : <https://tsunami.incois.gov.in/TEWS/TGMap.jsp>

Tsunami Network : [https://tsunami.incois.gov.in/TEWS/BprMap\\_include.jsp](https://tsunami.incois.gov.in/TEWS/BprMap_include.jsp)

**Thank you**