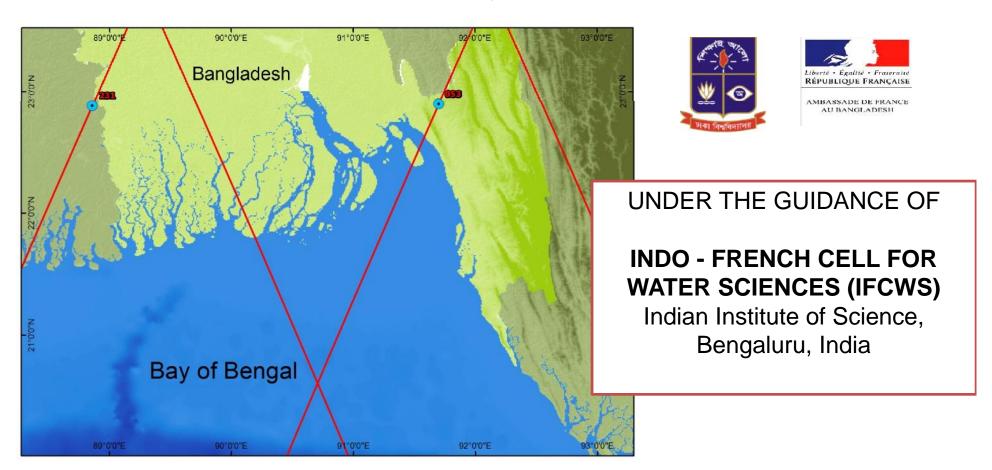
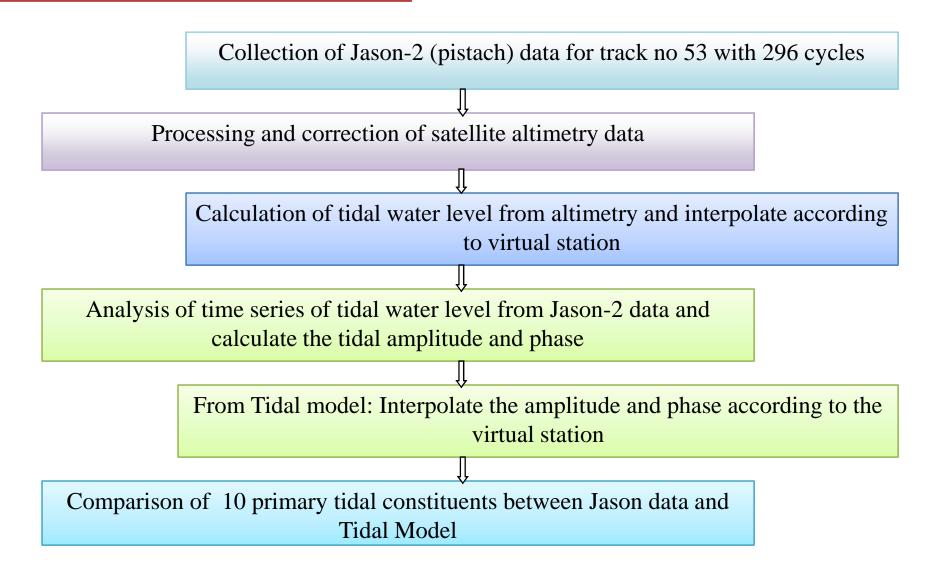
## Altimetry Derived Virtual Tide Gauge : Offshore Bangladesh

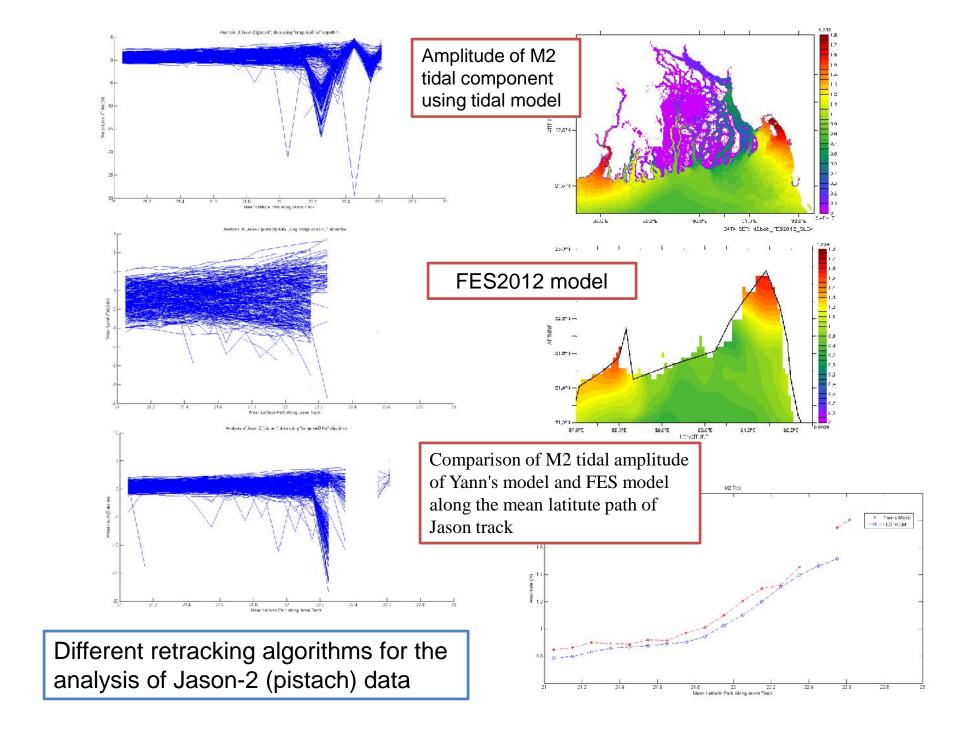
MARUFA ISHAQUE
Department of Oceanography
University of Dhaka



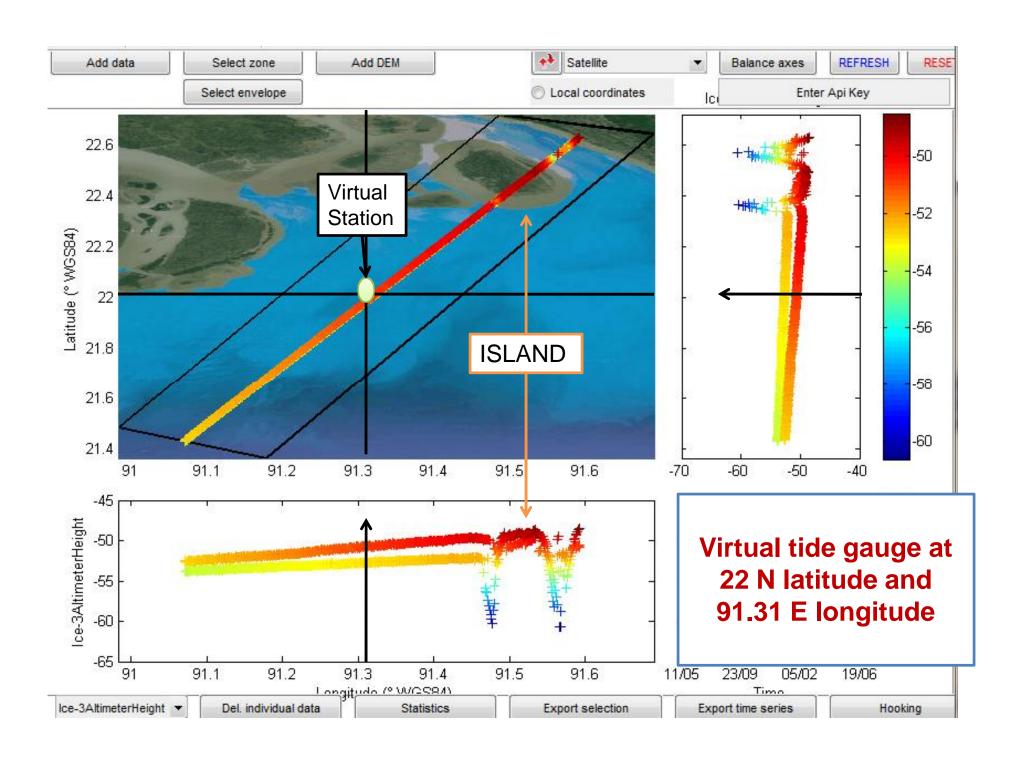
## **METHODOLOGY**



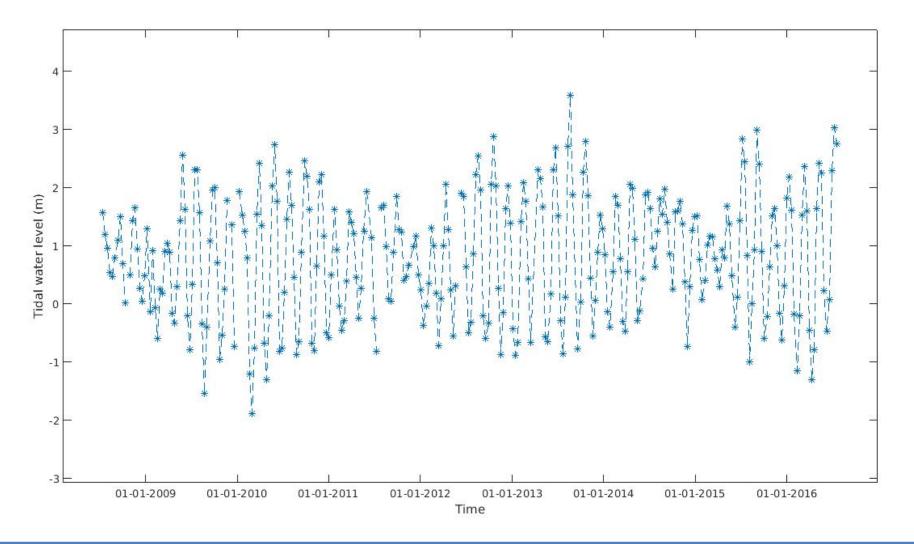
Softwares used: Matlab, MAPS, Ferret and Detidor



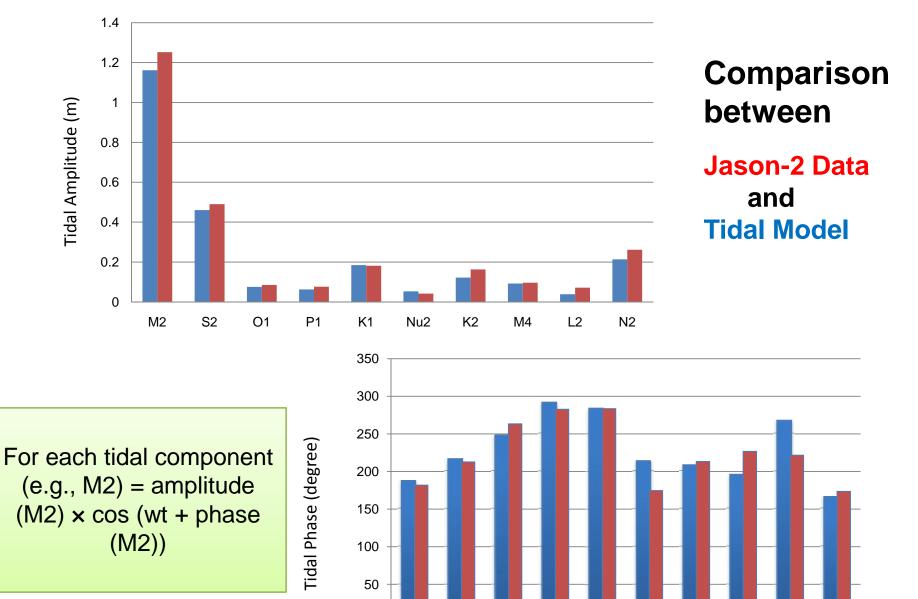




## Time series of tidal water level from Jason-2 data



Calculation of tidal water level = altimeter height - range - (propagation correction + geophysical correction) - geoid



0

M2

S2

01

P1

K1

Nu2

K2

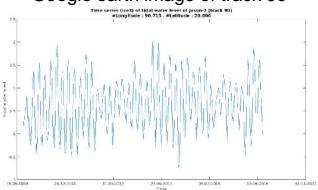
M4

L2

N2



Google earth image of track 90

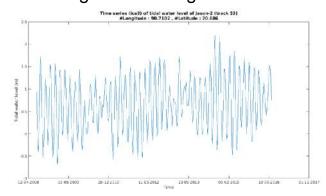


Date of Division

Constitution of Constitution

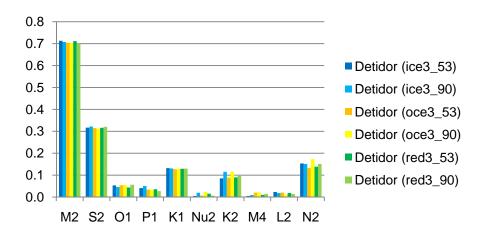
Co

Google earth image of track 53



Time series of tidal water level at 20.606 lat, 90.715 lon (B3)

Time series of tidal water level at 20.606 lat, 90.7102 lon (C3)



Comparison of tidal amplitude between track 53 and track 90 at intersection point (C3 and B3)

## Comparison of M2 tidal amplitude among different Jason-2 products and FES model

