Delta VTEC (TECU) OR Sea Surface Height (m)

A. Modeled tsunami wavefront

B. Gravity waves

C. Acoustic waves

D. Rayleigh waves

A.

B.

C.

D.

Song Model (ocean) Overlaid on TEC observations (ionosphere)

24 minute line

Japan Tsunami 2011/3/11, Observed at Japan, GPS55 Only

Japan Tsunami 2011/3/11, Observed at Japan, All Sats

DART21419 (243 m/s) → DART21413 (286 m/s) → DART21401 (291 m/s) → 240 m/s

Modeled tsunami wavefront

Sea Surface Height (m)