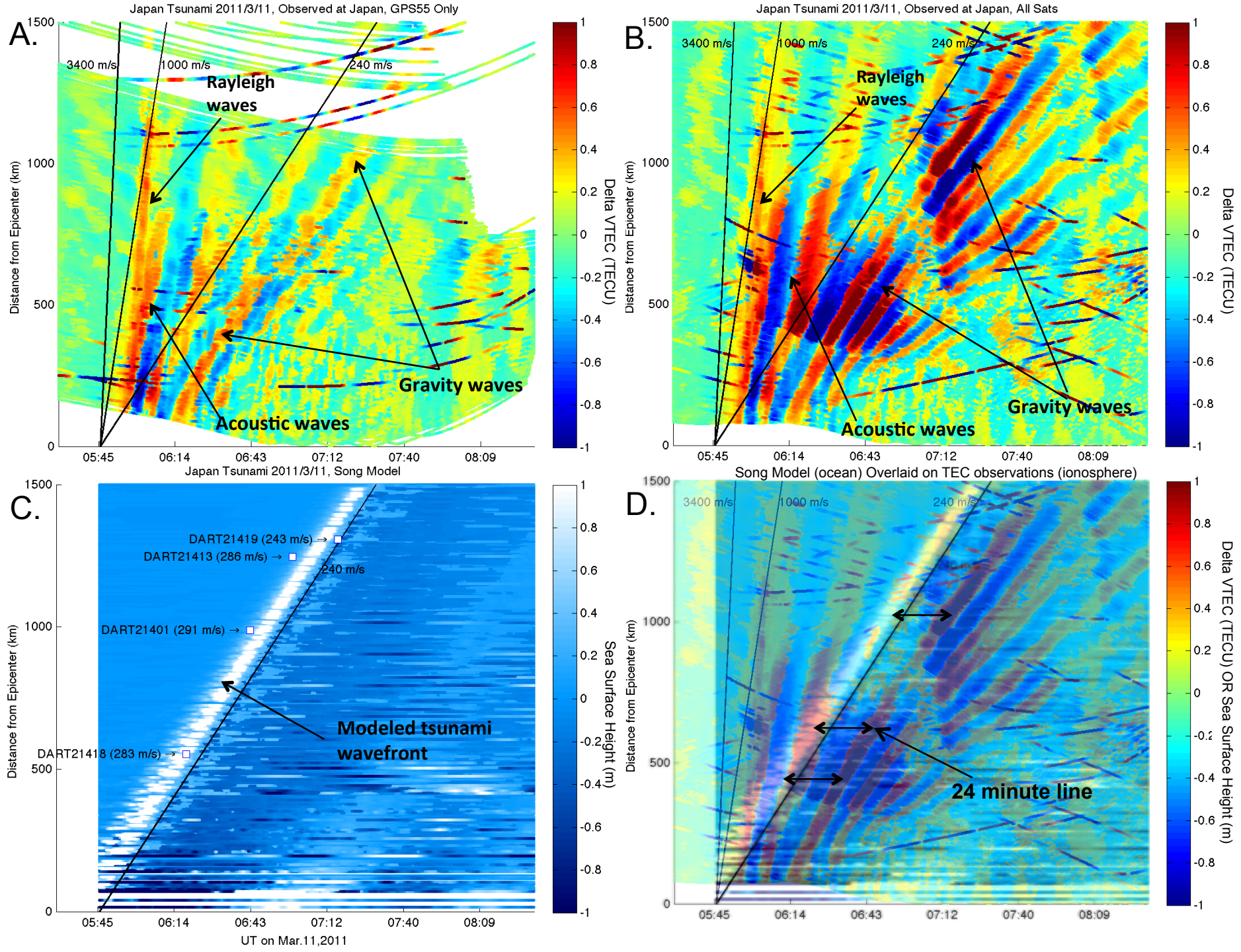
A.
Japan Tsunami 2011/3/11, Observed at Japan, GPS55 Only
3400 m/s
1000 m/s
240 m/s
Rayleigh waves
Gravity waves
Acoustic waves
Distance from Epicenter (km)
Delta VTEC (TECU)
B.
Japan Tsunami 2011/3/11, Observed at Japan, All Sats
3400 m/s
1000 m/s
240 m/s
Rayleigh waves
Gravity waves
Acoustic waves
Distance from Epicenter (km)
Delta VTEC (TECU)
C.
Japan Tsunami 2011/3/11, Song Model
DART21419 (243 m/s) →
DART21413 (286 m/s) →
240 m/s
DART21401 (291 m/s) →
DART21418 (283 m/s) →
Modeled tsunami wavefront
Distance from Epicenter (km)
Sea Surface Height (m)
UT on Mar.11,2011
D.
Song Model (ocean) Overlaid on TEC observations (ionosphere)
3400 m/s
1000 m/s
240 m/s
24 minute line
Distance from Epicenter (km)
Delta VTEC (TECU) OR Sea Surface Height (m)
05:45
06:14
06:43
07:12
07:40
08:09