Sea surface height anomalies of internal tides

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Multisatellite altimetric data

(a) Ground track

(b) Time coverage

GFO
ERS
ERS-1 ERS-2 Envisat
T/P–Jason tandem
T/P–Jason

Year

2002

2004
2006
2008
2010
2012

 Longitude

0
60
120
180
240
300
360

Latitude

-60
-40
-20
0
20
40
60

Longitude

324
325
326
327
328
329
330

(s1)

(s2)

1992
1994
1996
1998
2000
2002
2004
2006
2008
2010
2012

 Multisatellite altimetric data

 April 19, 2017
Plane-wave fit: 3 waves
North Pacific mode-1 S2 SSHA
Next
• Aliasing problem
• Spatial resolution
• Compare with model runs (Brian Arbic)
• Suggestions?