

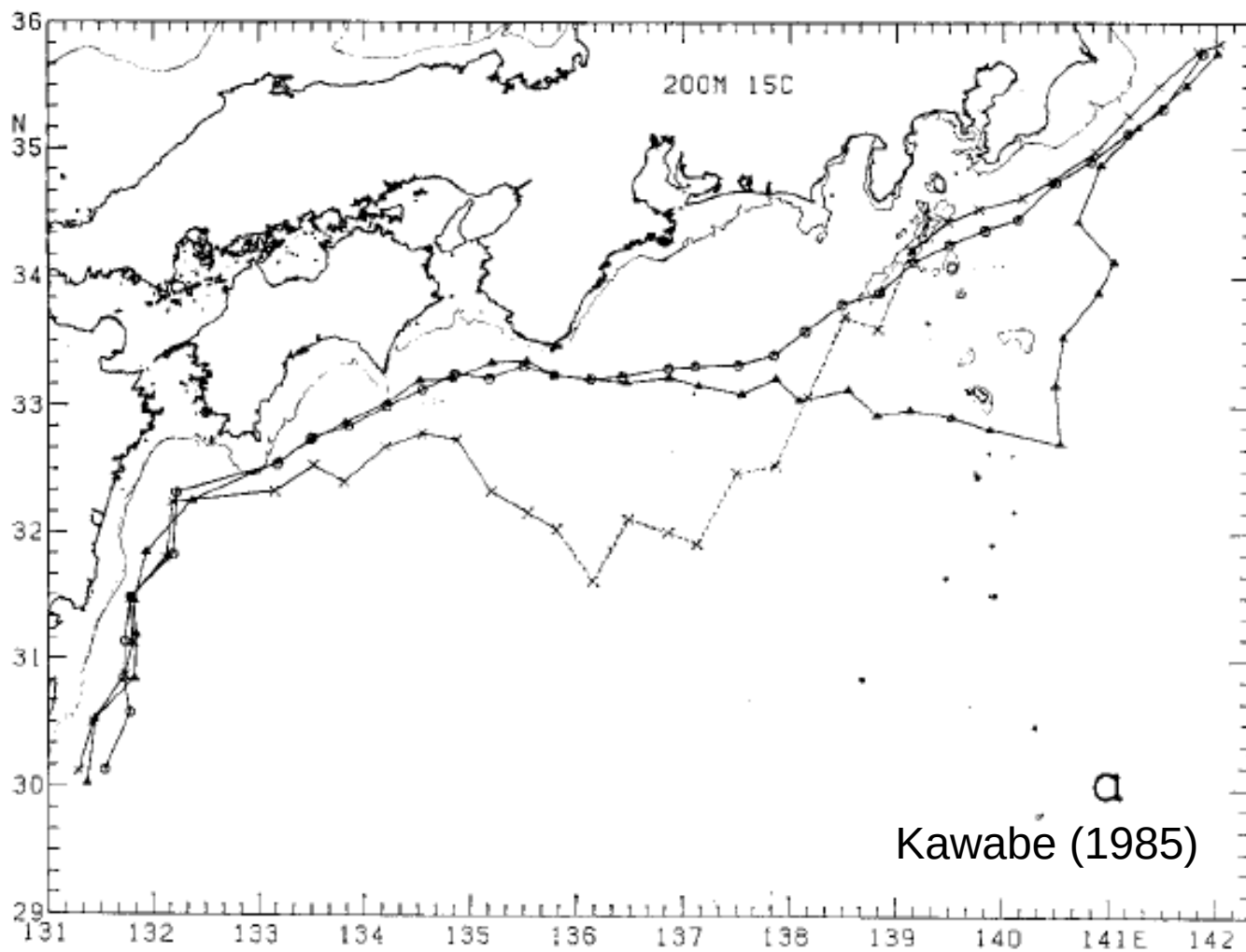
長距離短波レーダによる 伊豆諸島付近での黒潮モニタリング

寄高博行・林王弘道

(海上保安大学校・海上保安庁海洋情報部)

2007. 12. 21

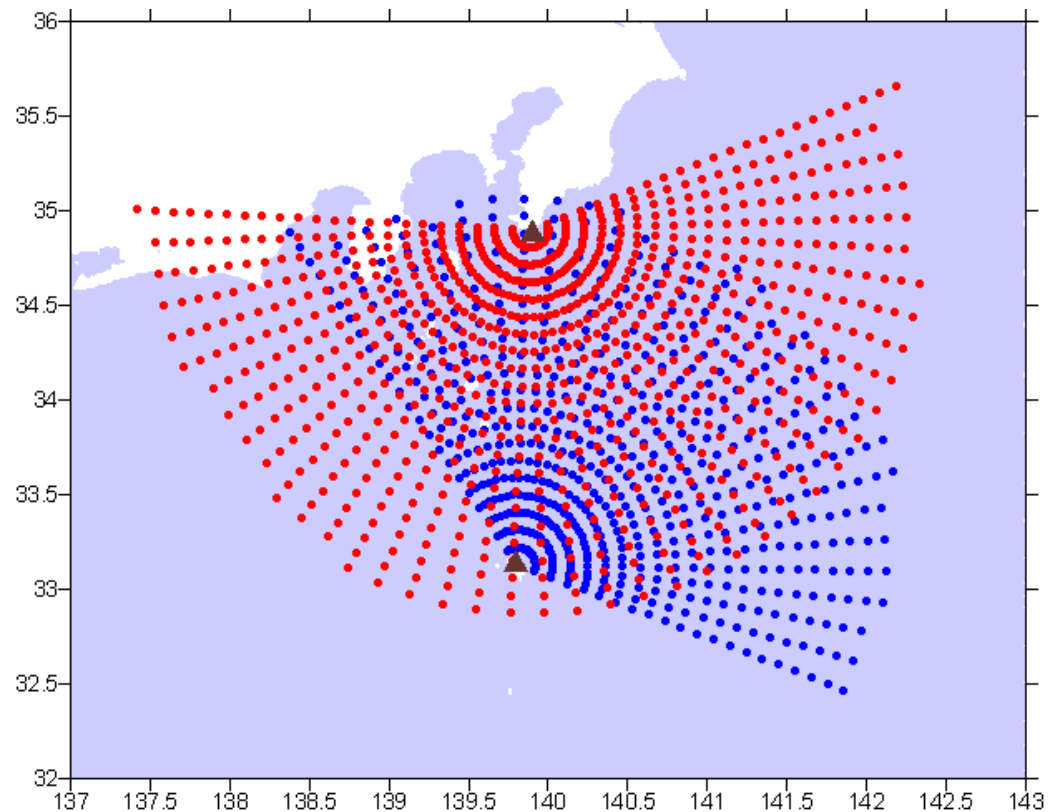
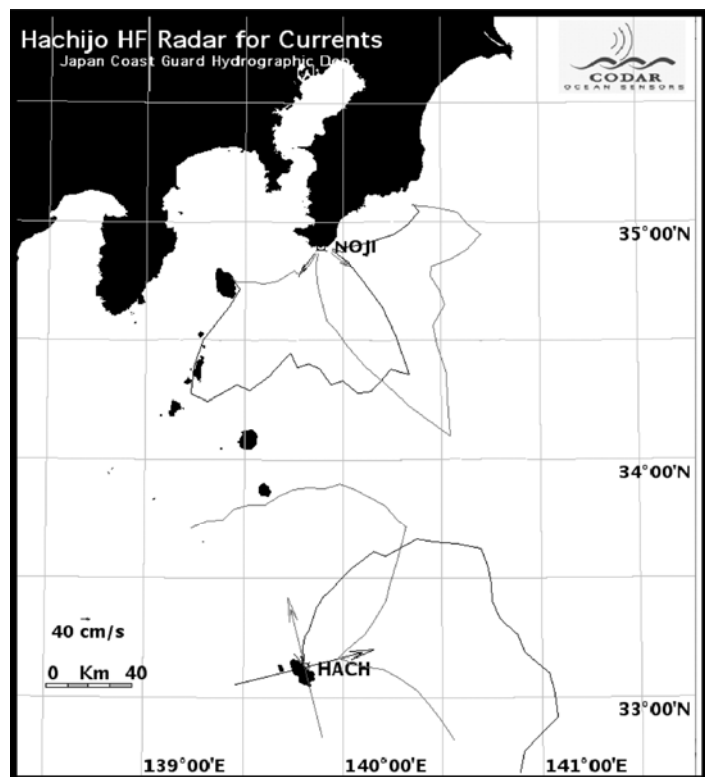
伊豆諸島付近における黒潮流路



短波レーダ・データから見た 伊豆諸島付近での黒潮流路

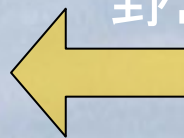
- 大蛇行時と非大蛇行時の相違
 - 非大蛇行接岸流路: Jun.2002～May.2003
 - 典型的大蛇行流路: Aug.2004～Jan.2005

八丈島－野島埼短波レーダー



野島埼局

野島埼灯台



制御装置

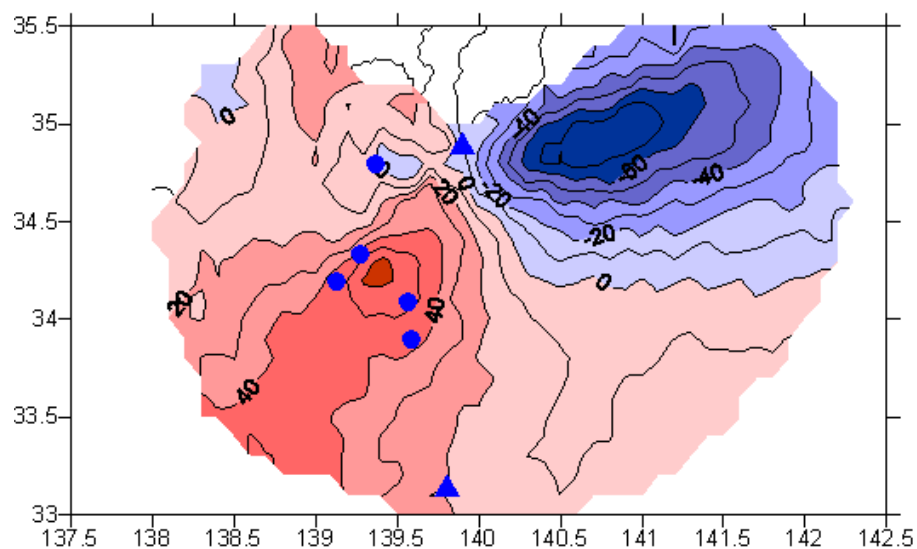
受信アンテナ

送信アンテナ

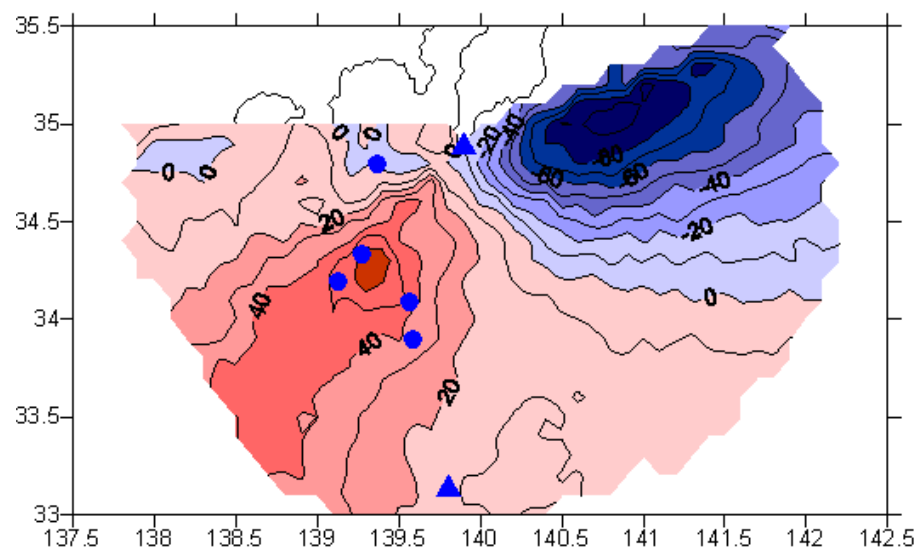


アンテナ・パターン比較

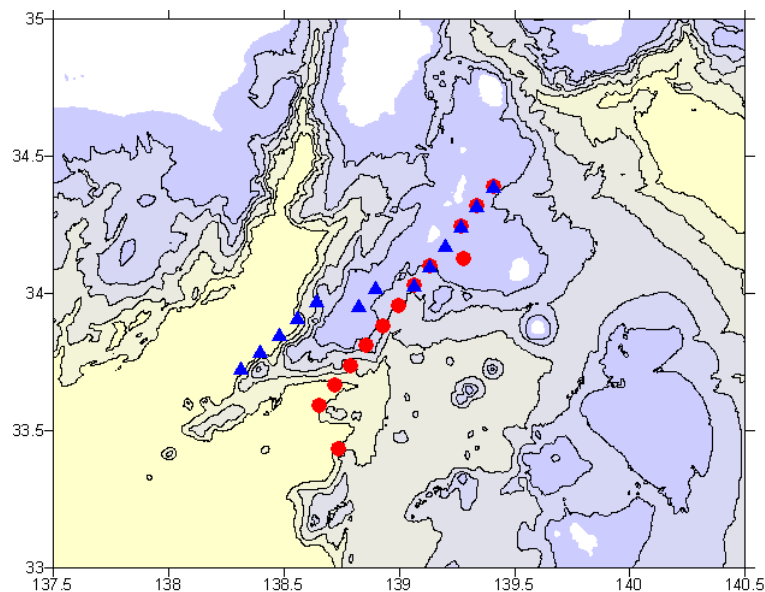
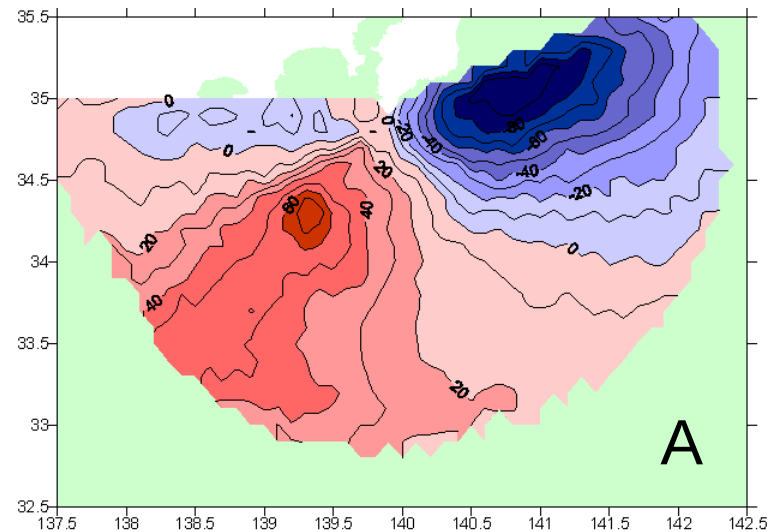
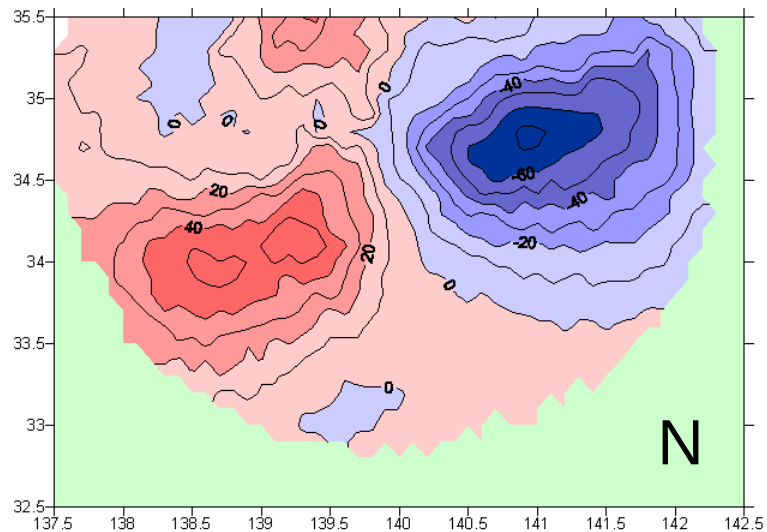
Old pattern 2004/08/27-2004/11/01



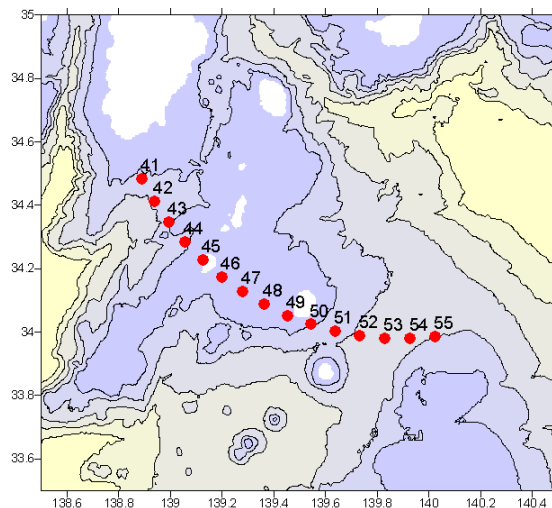
New pattern 2004/08/27-2004/11/01



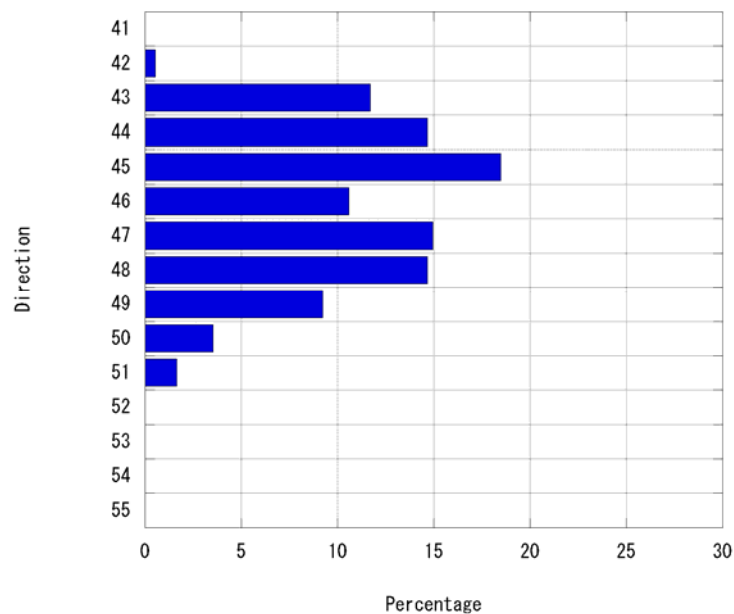
平均視線方向流速(野島埼)



伊豆諸島付近での流軸頻度

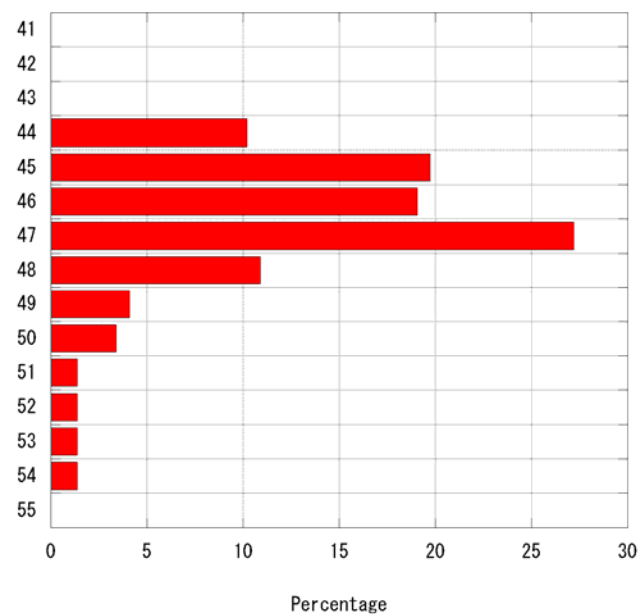


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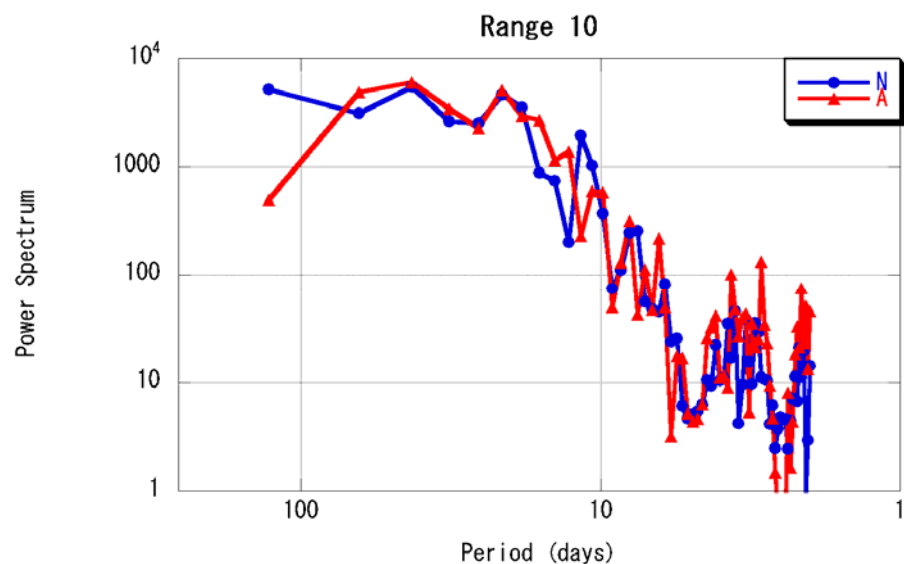
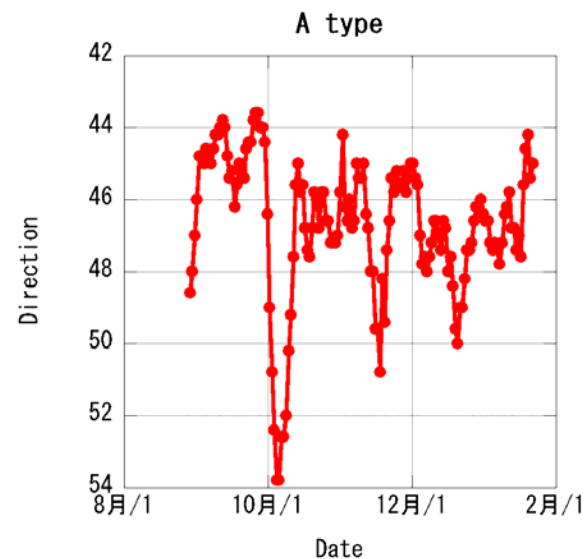
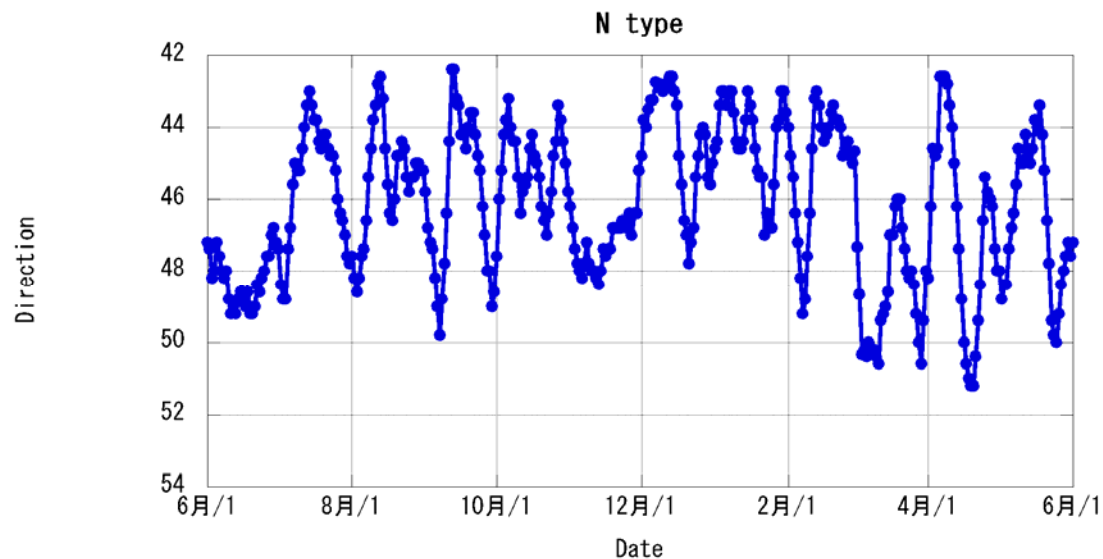


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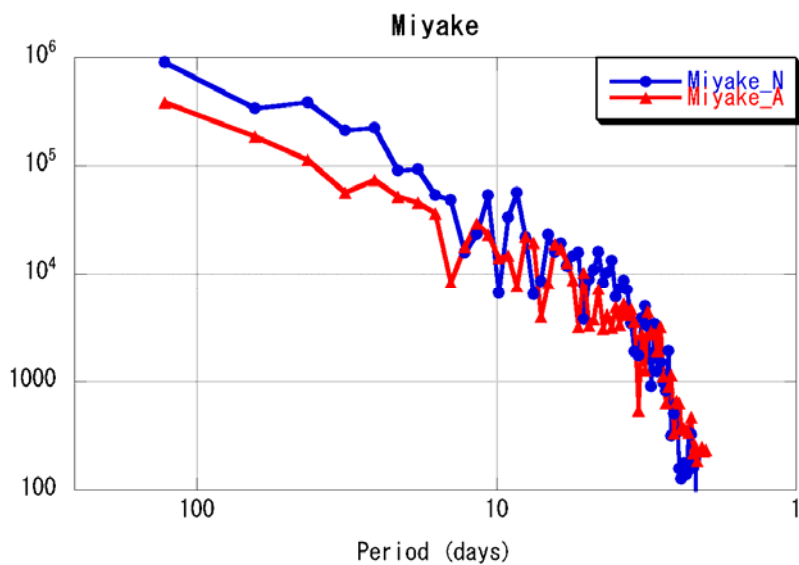
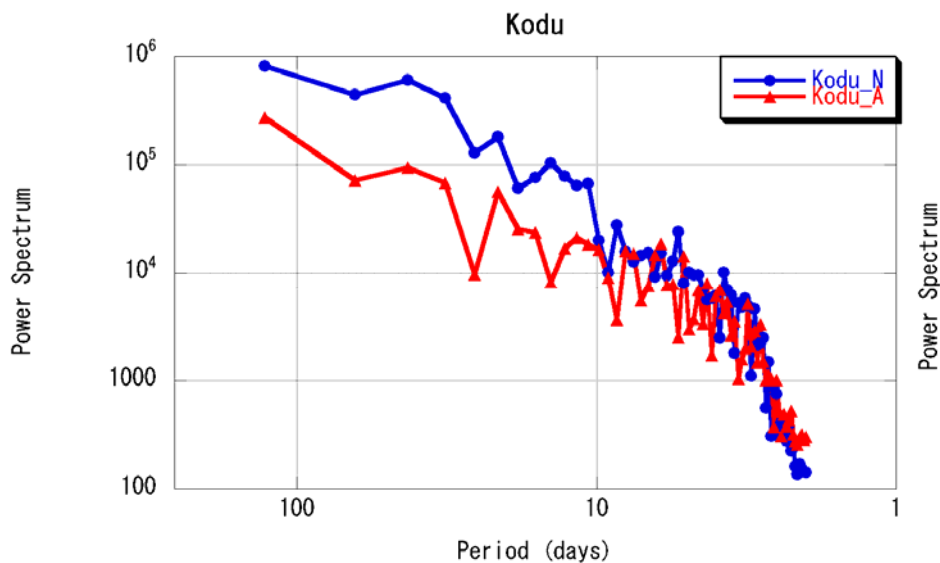
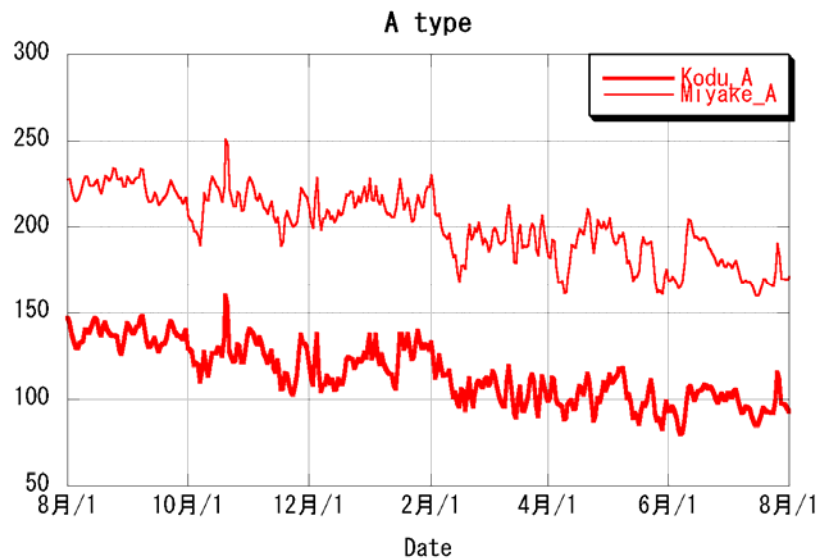
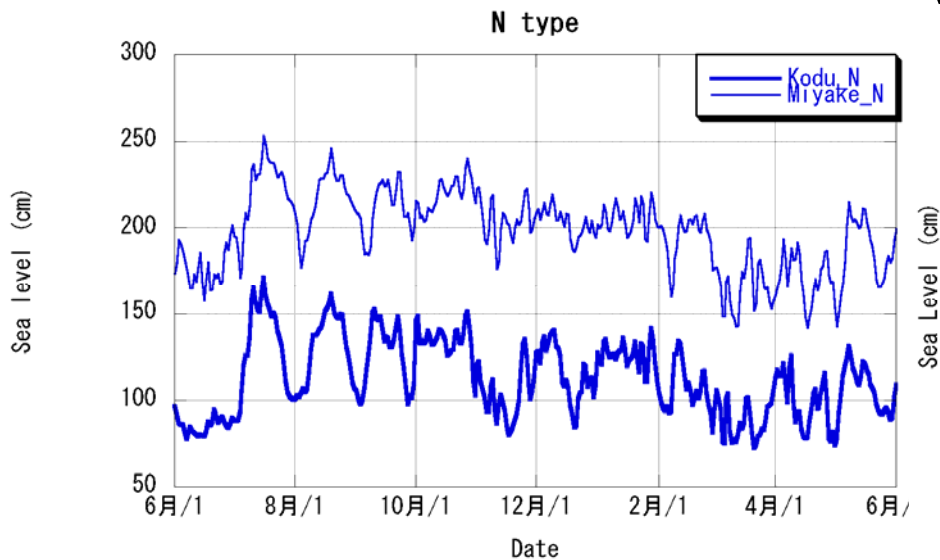
神津島
三宅島



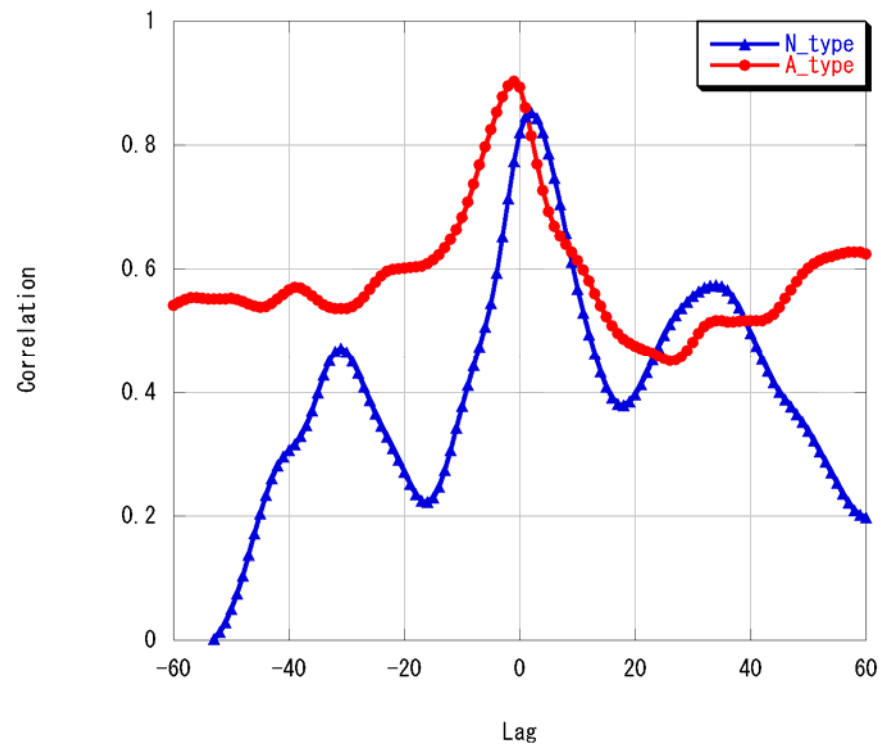
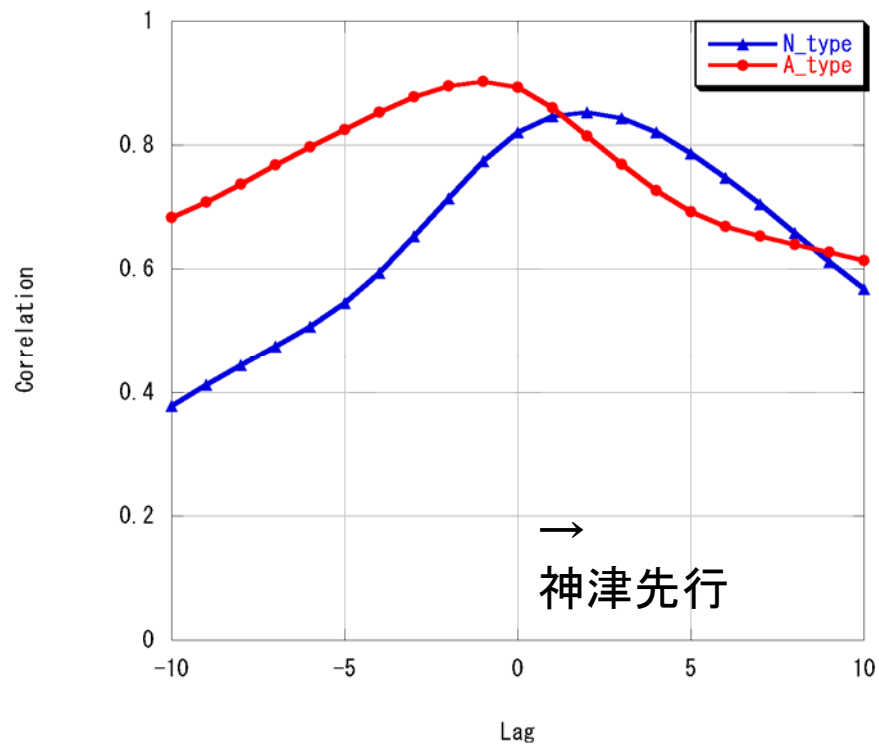
伊豆諸島付近での流軸変動



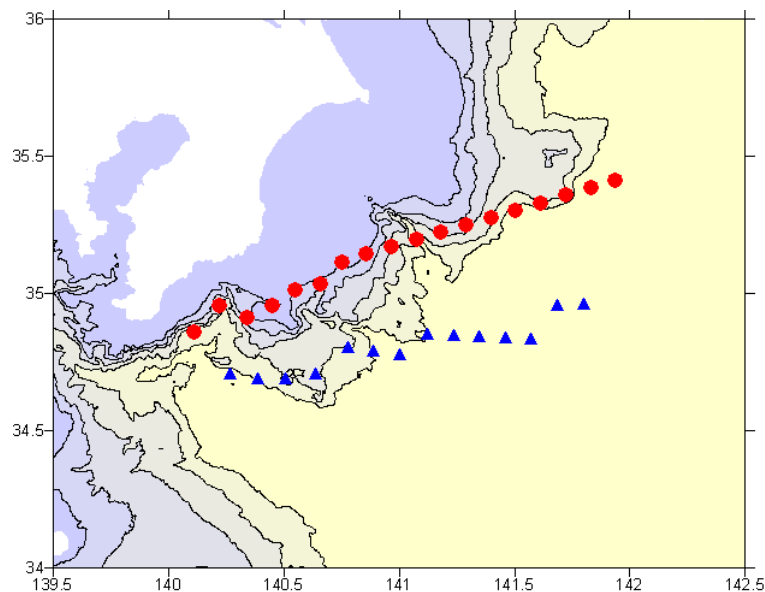
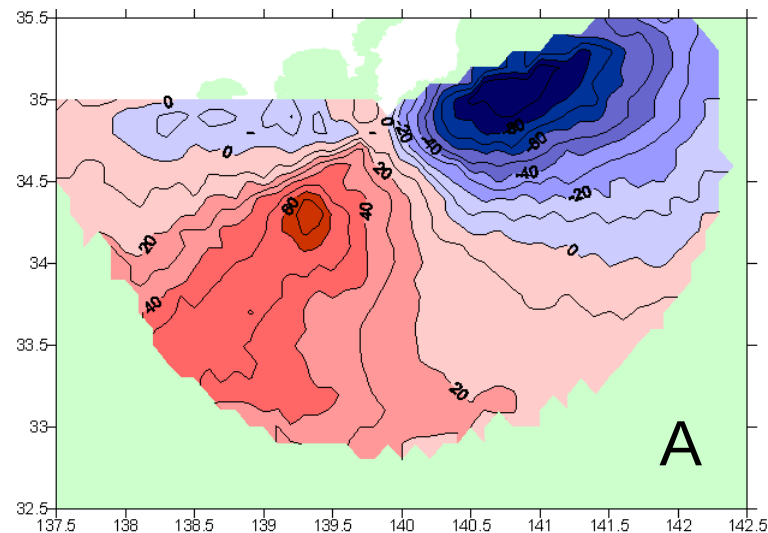
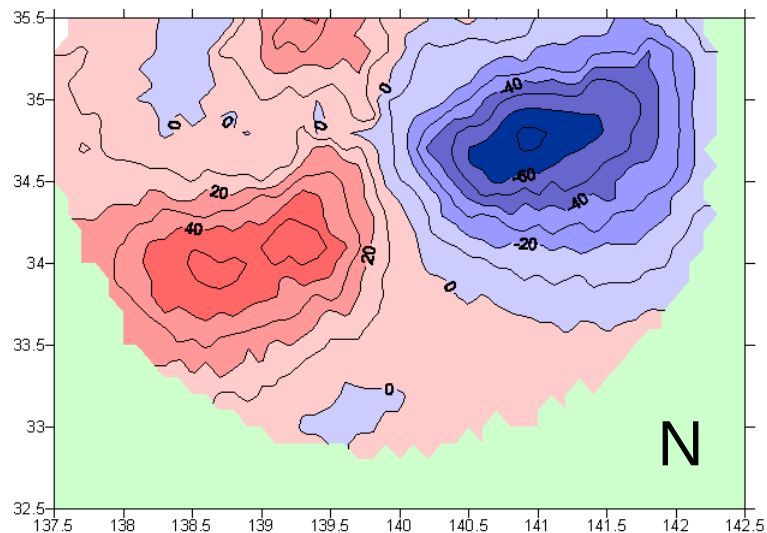
潮位変動



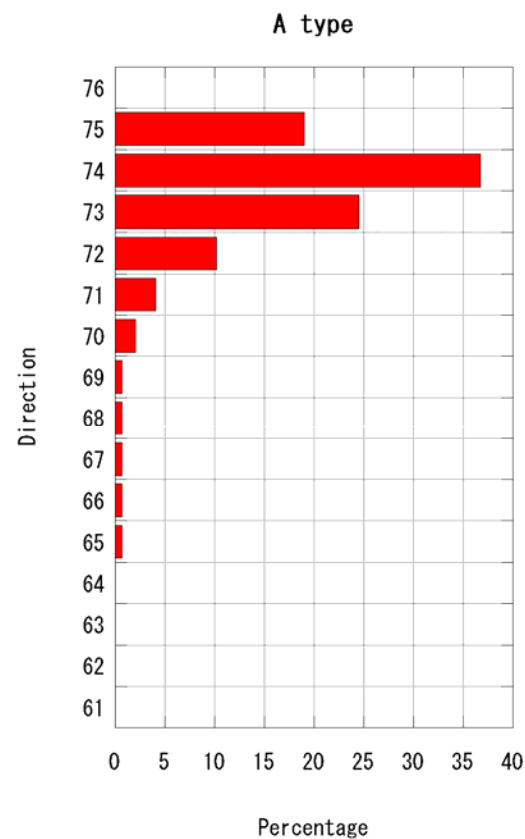
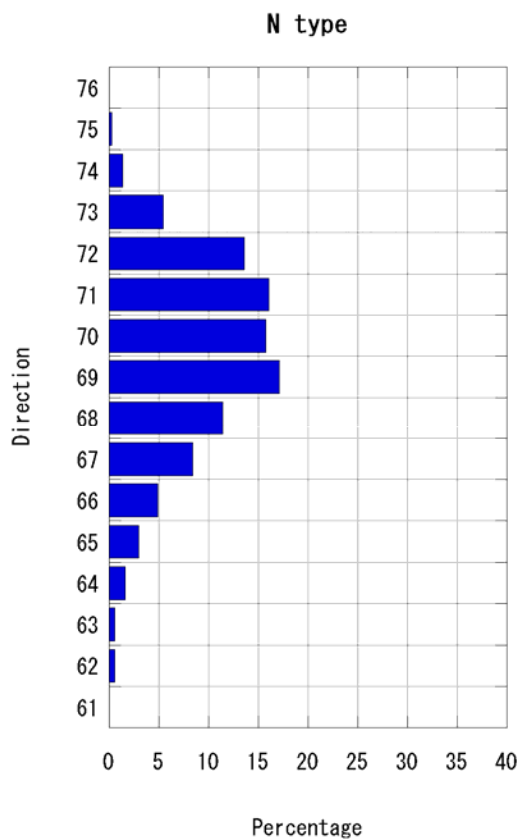
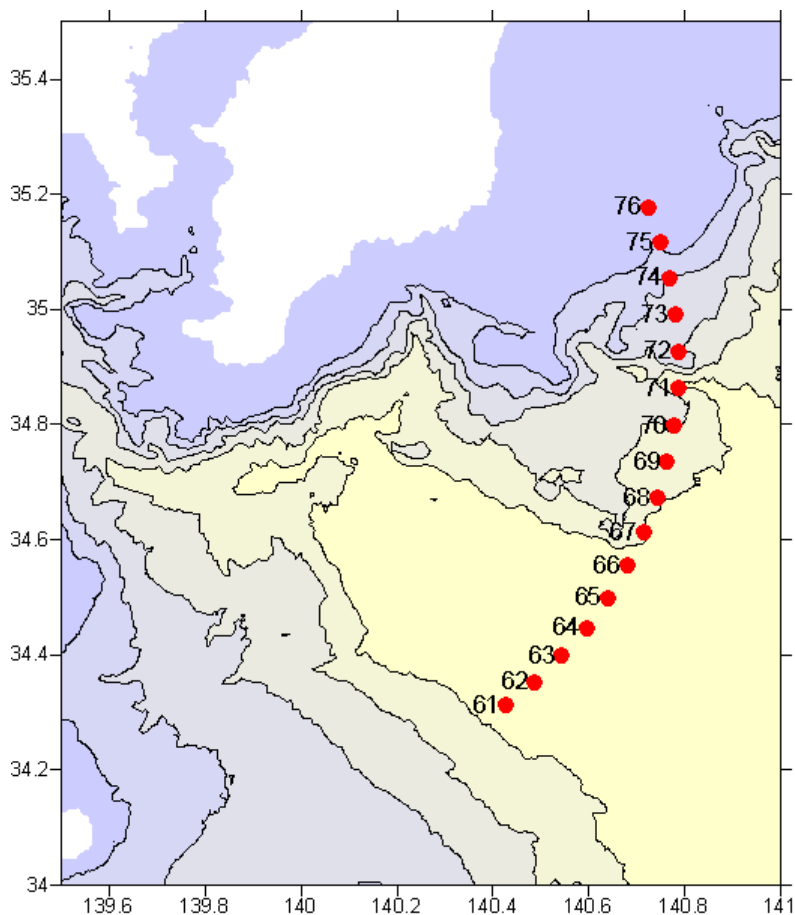
潮位変動ラグ相関



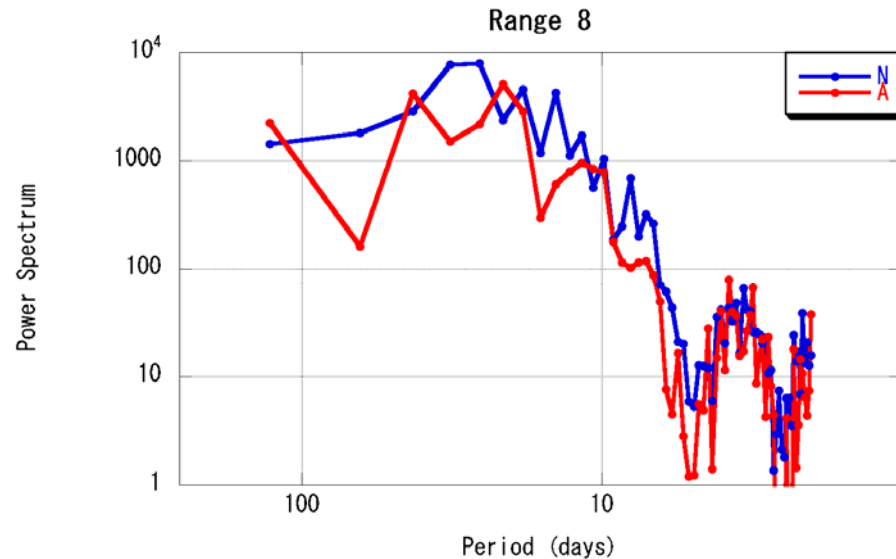
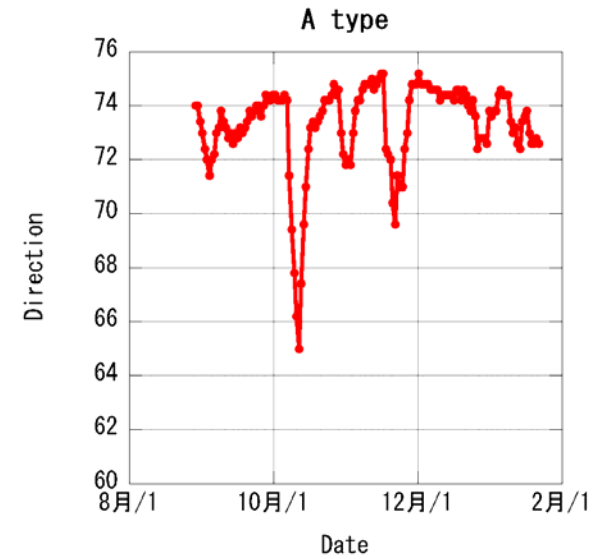
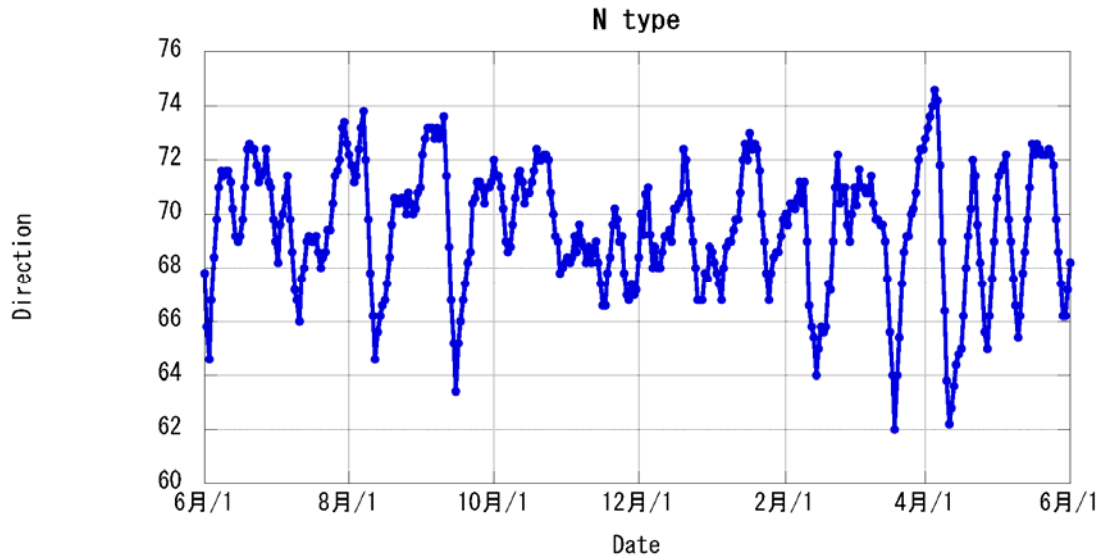
平均視線方向流速(野島埼)



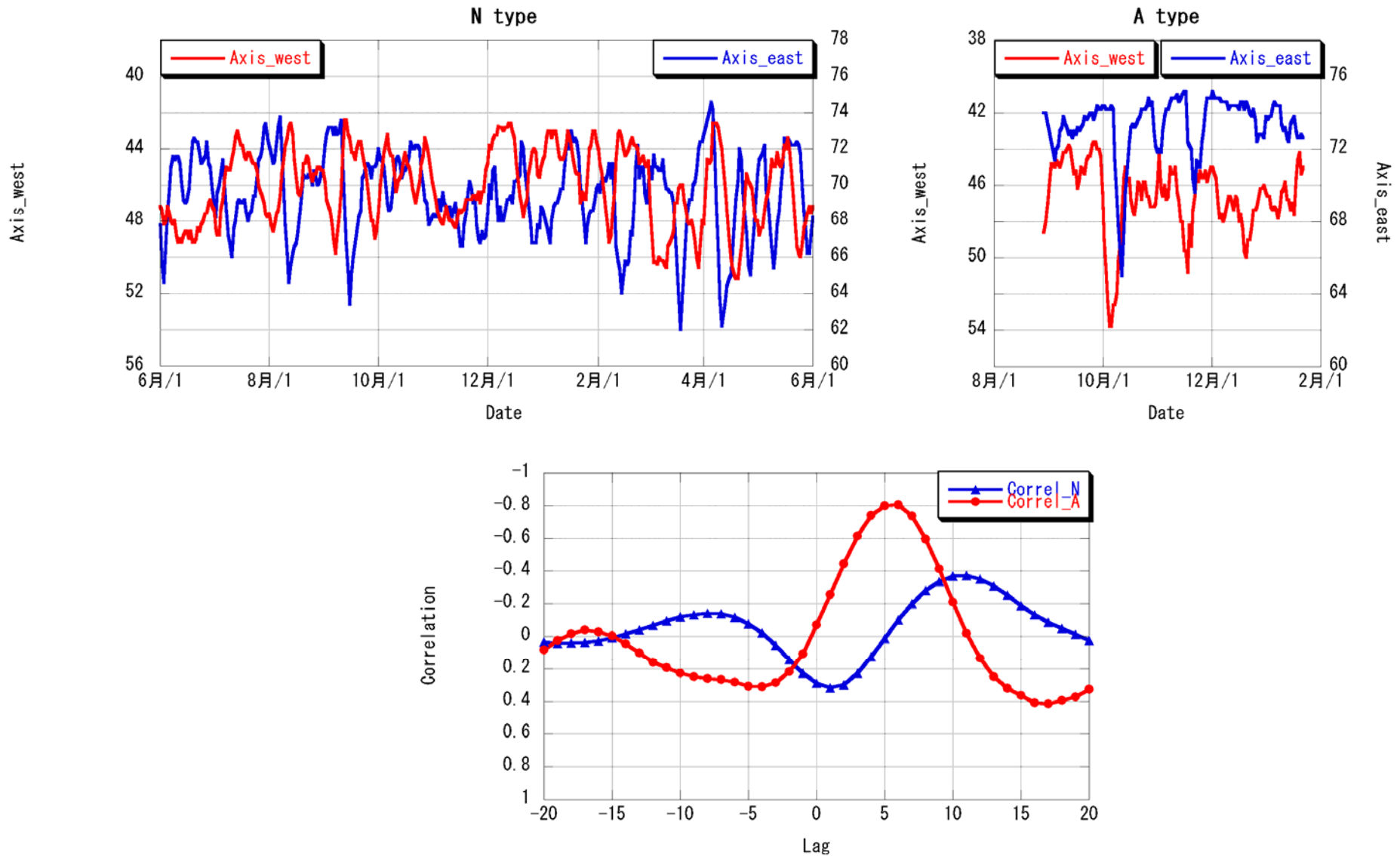
房総半島南方での流軸頻度



房総半島南方での流軸変動



流軸変動ラグ相関



まとめ

