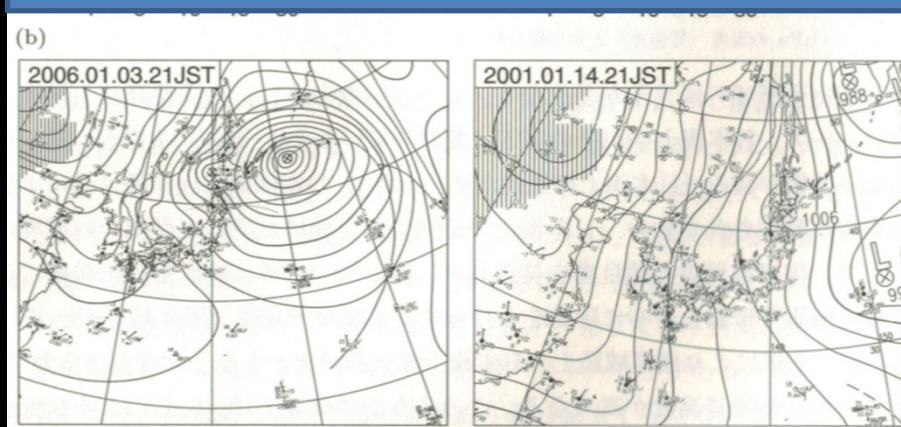


北陸地域における冬季の 降水パターンの時・空間変動に 関する研究

安永 数明
富山大学/JAMSTEC

ヒント2



ヒント1



答え



解析手法とデータ

- 解析手法：経験的直交関数

(Empirical Orthogonal Function)解析

⇒解析期間中で出現するパターンを抽出

第1モード=最も多く出現するパターン

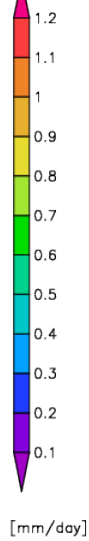
第2モード=2番目に多く出現するパターン

第3モード=3番目に多く出現するパターン

- 解析データ：レーダアメダス解析雨量
- 解析期間：2006年1月～2014年12月

Ra AMeDAS (DJF, 2006–2013)

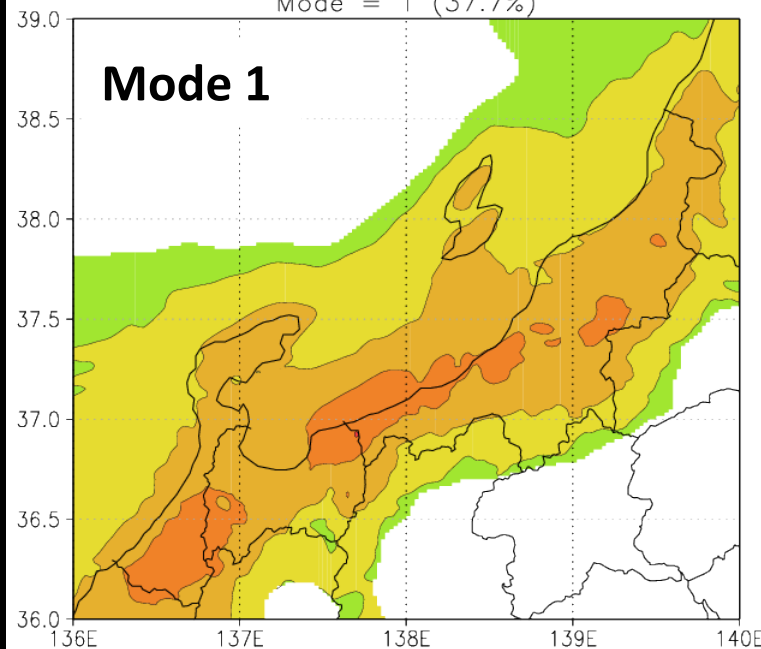
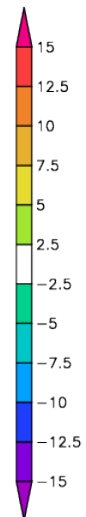
12–2月



[mm/day]

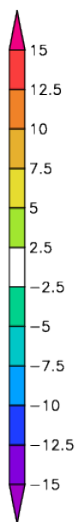
Mode = 1 (37.7%)

Mode 1



Mode = 2 (8.5%)

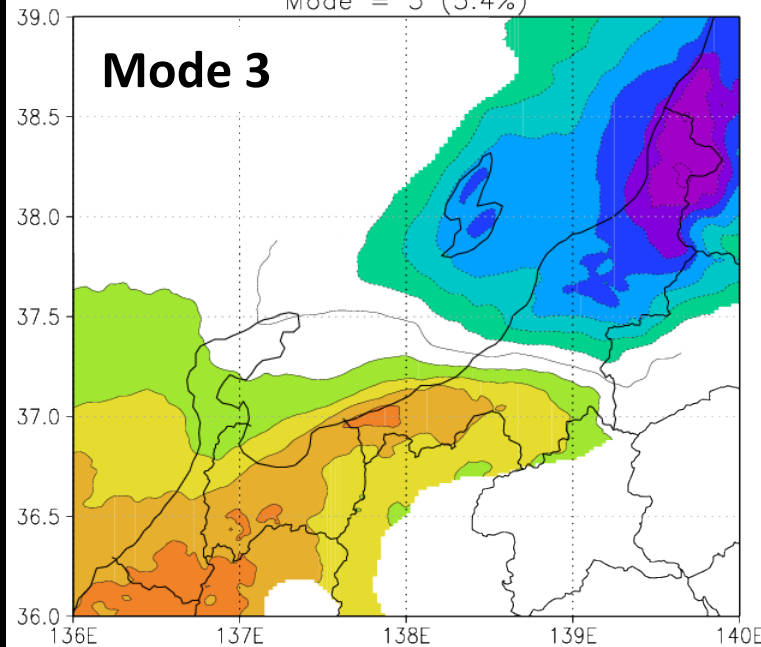
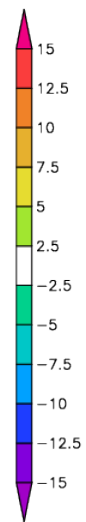
Mode 2



[mm/day]

Mode = 3 (5.4%)

Mode 3



Akiyama (1981)と 比較すると？

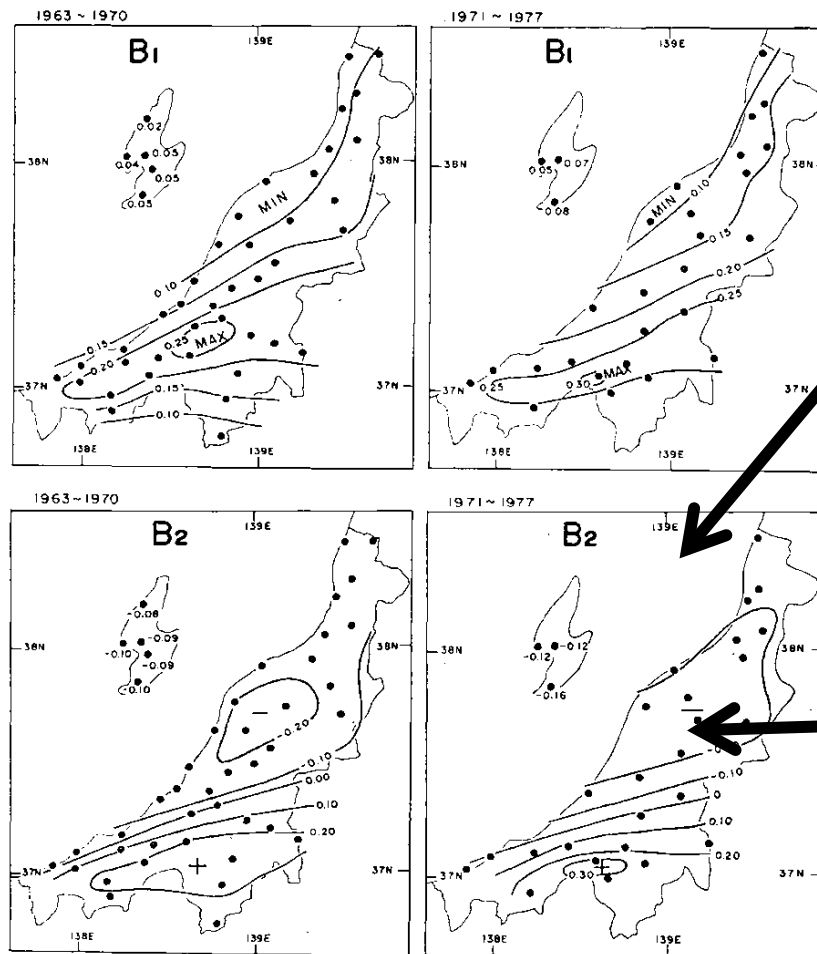
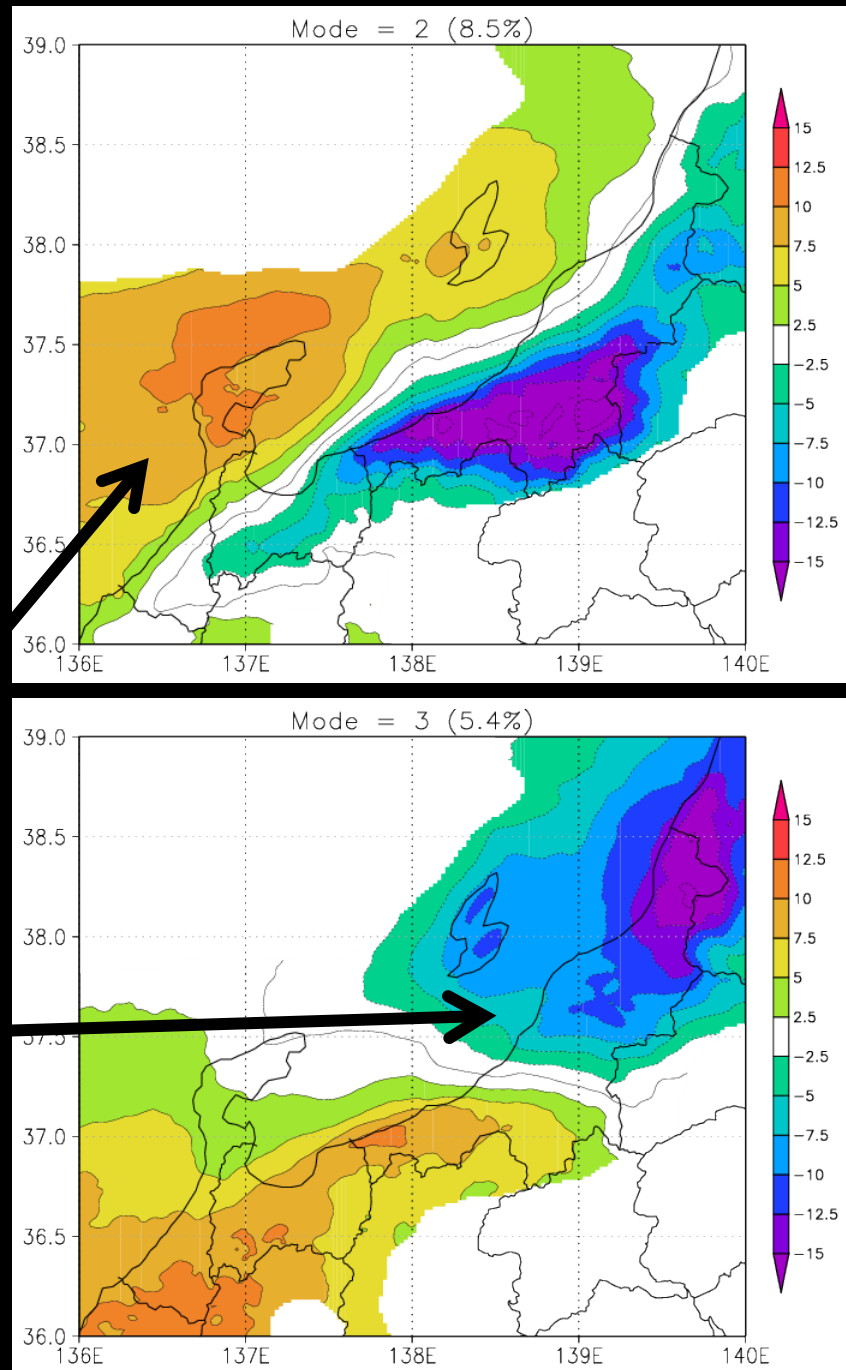
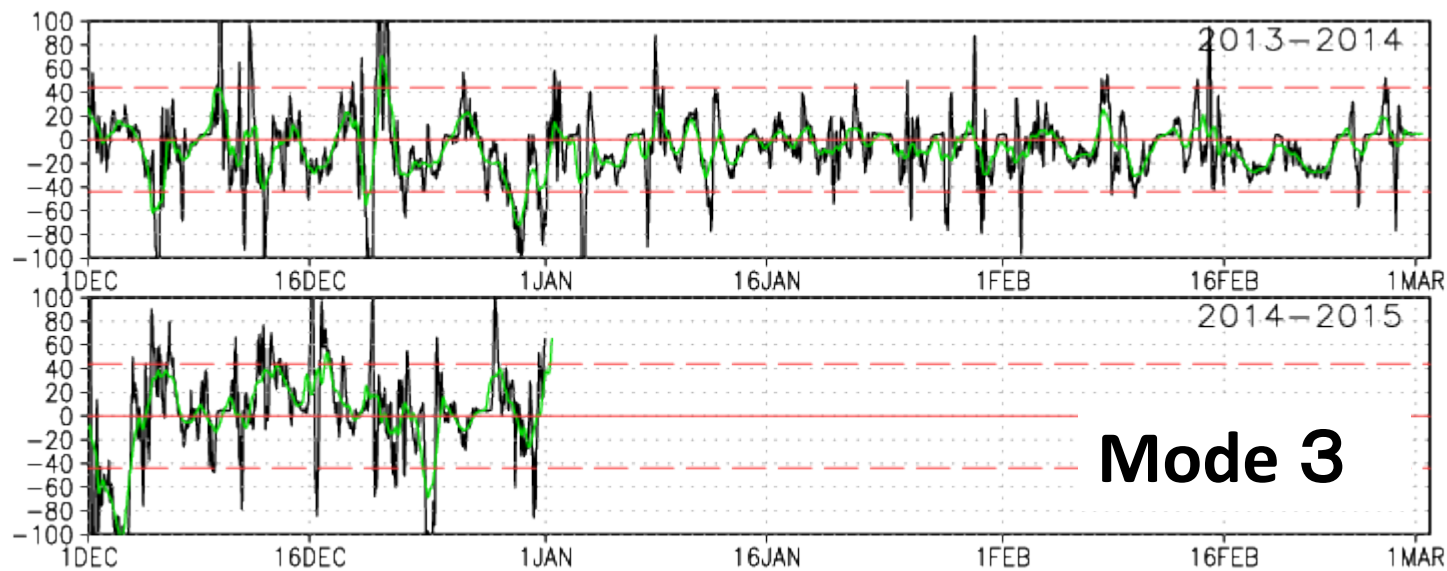
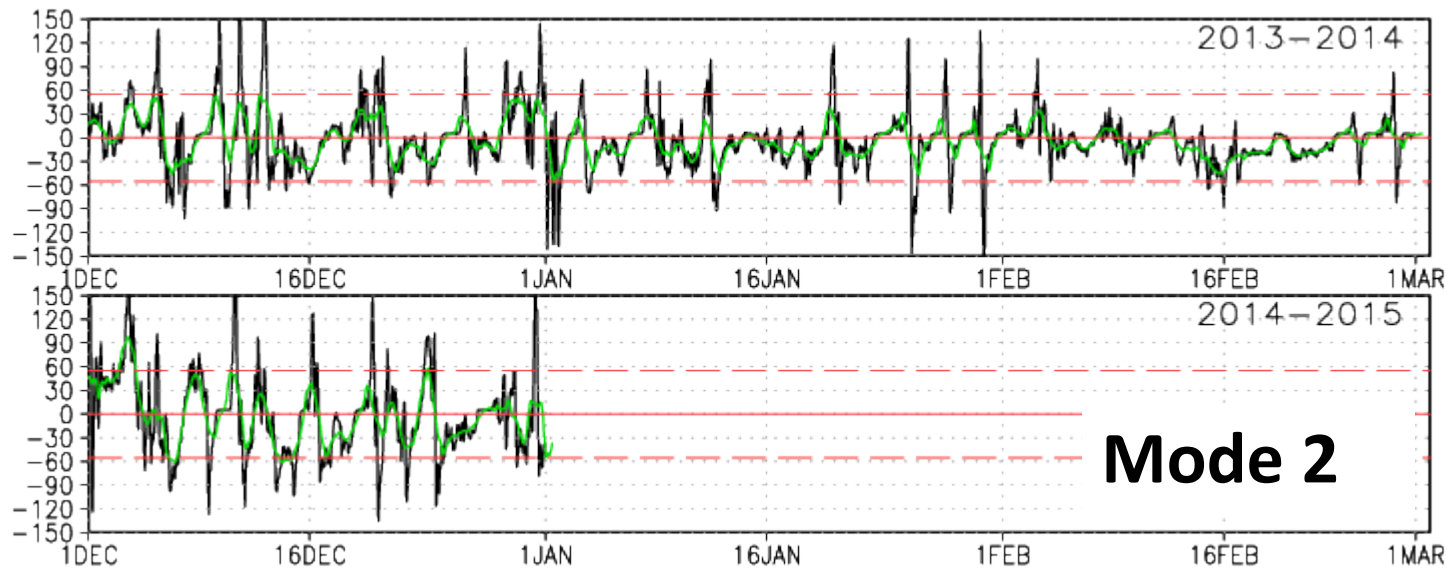


Fig. 3 The first and second spatial functions (B_1 and B_2) for the two subperiods.



時系列から



00Z05DEC2014-00Z08DEC2014

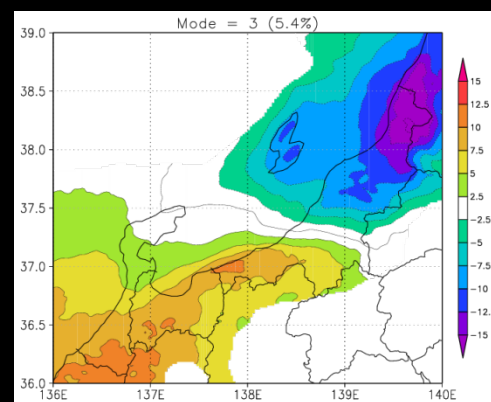
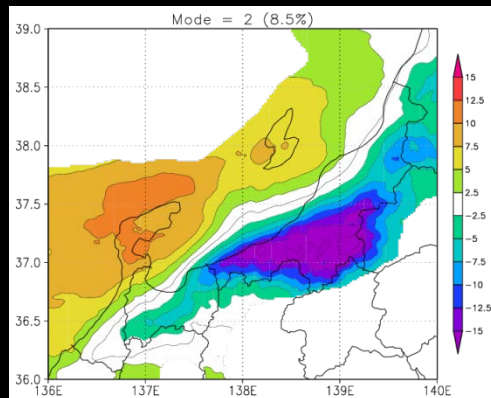
Mode 3



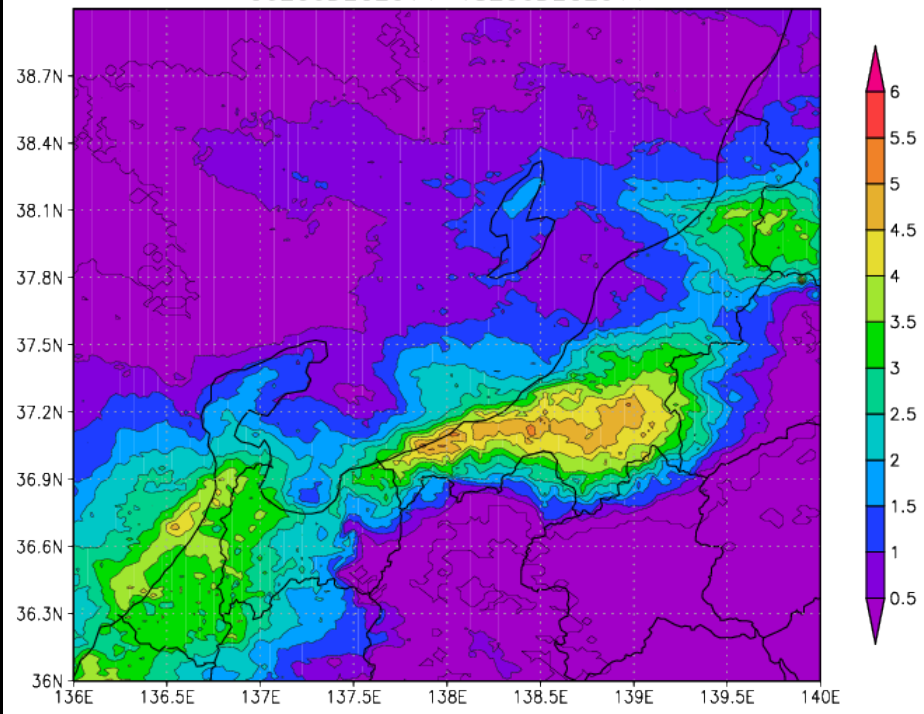
Mode 2



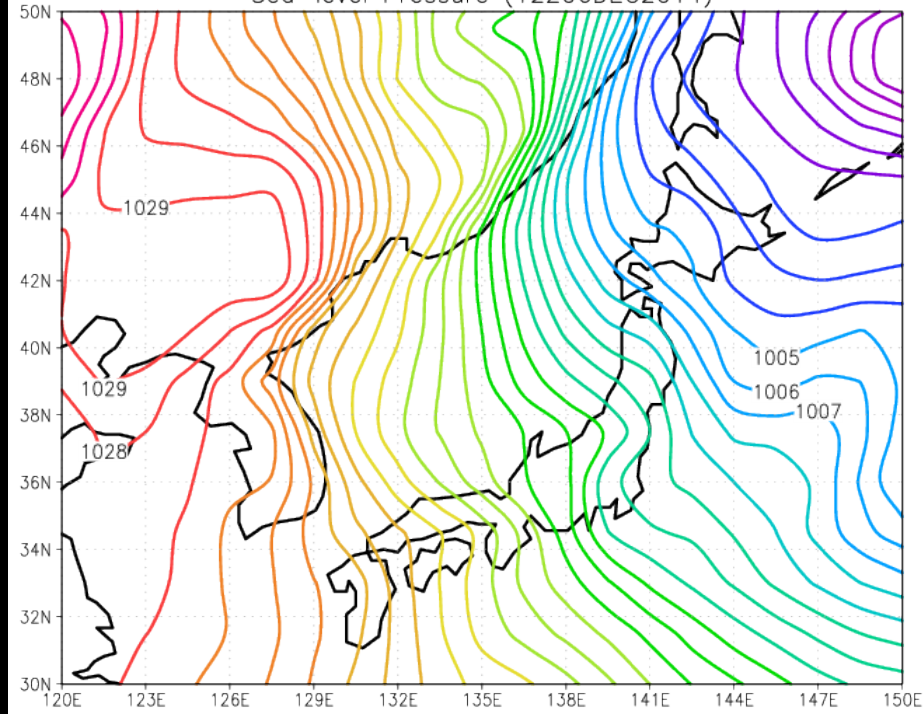
Mode 2(負)



06Z06DEC2014-18Z06DEC2014



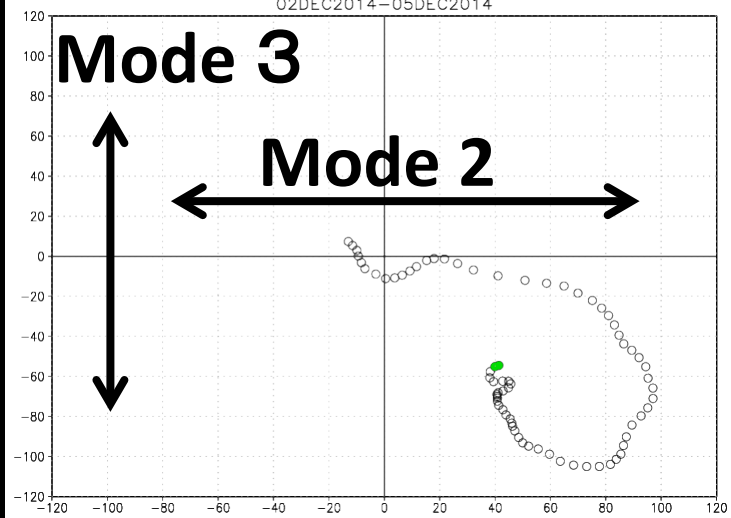
Sea-level Pressure (12Z06DEC2014)



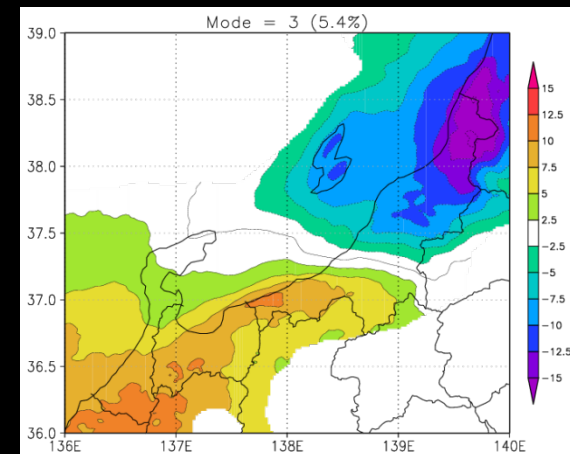
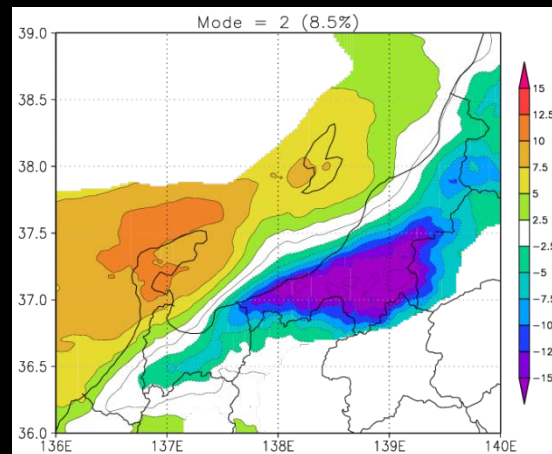
02DEC2014-05DEC2014

Mode 3

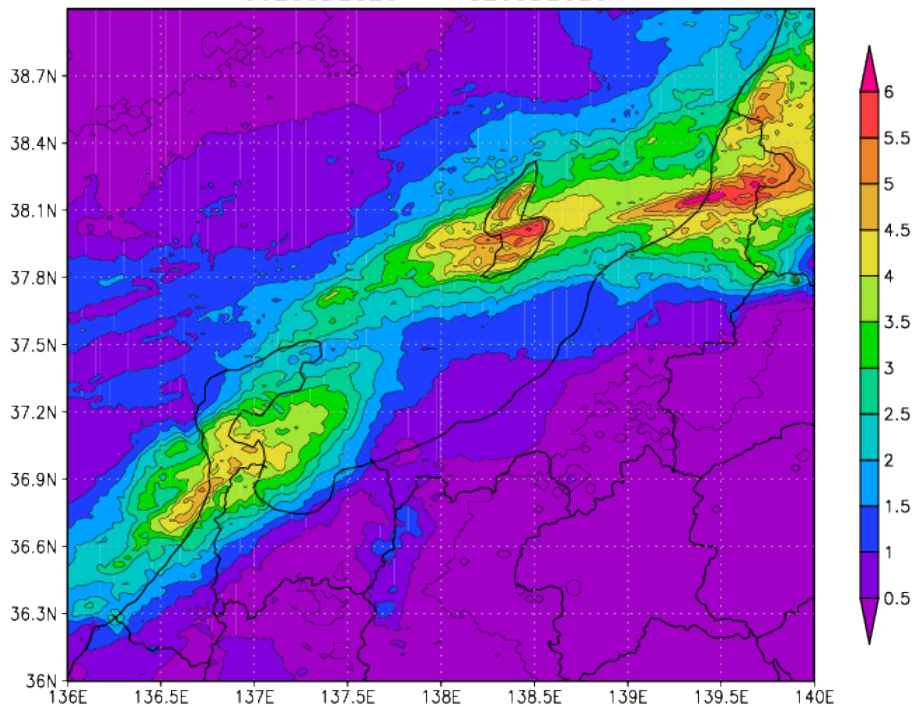
Mode 2



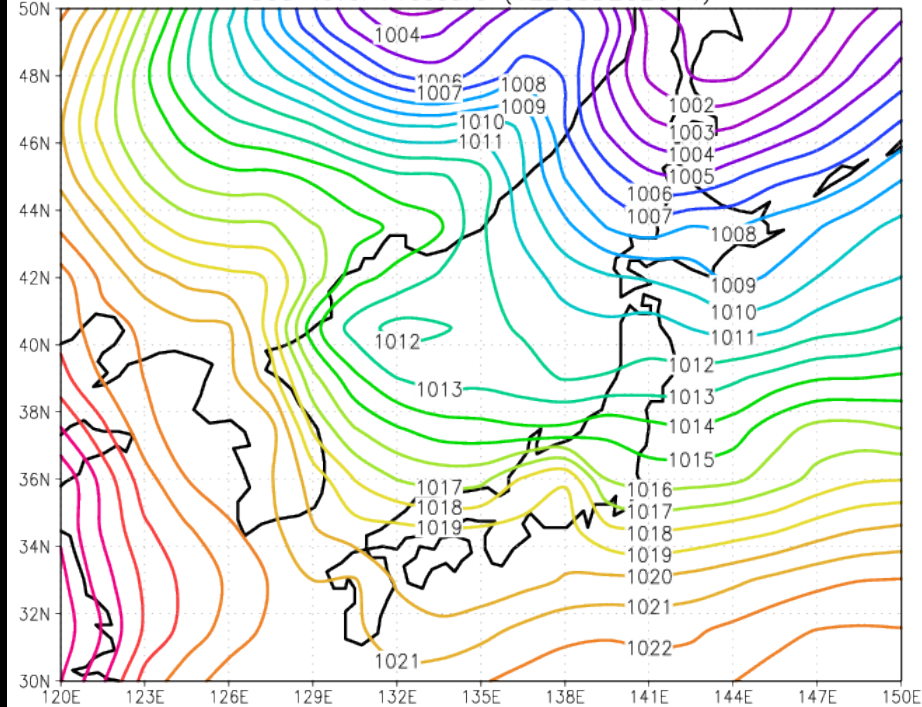
Mode 2(正)、3(負)

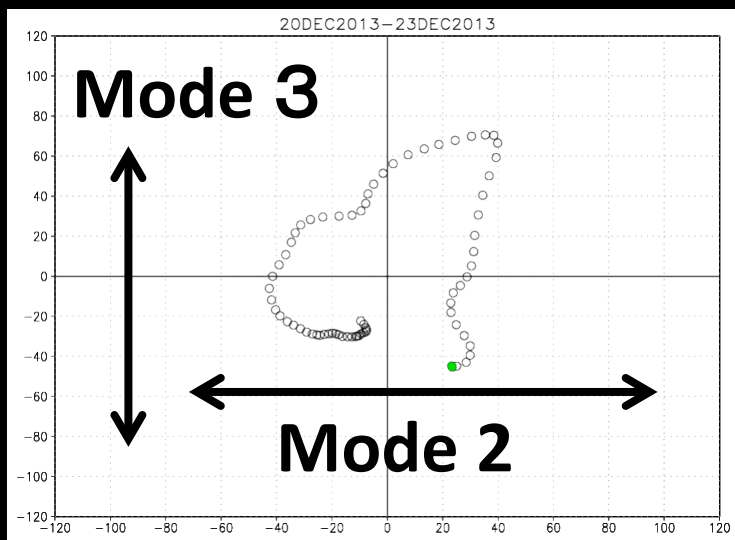


06Z03DEC2014-18Z03DEC2014

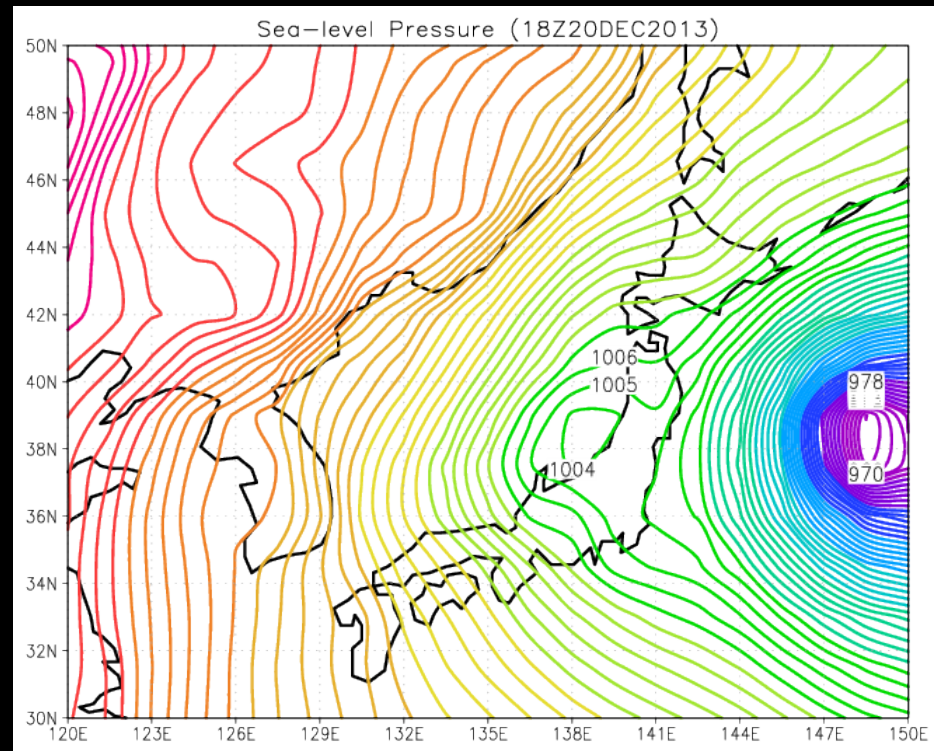
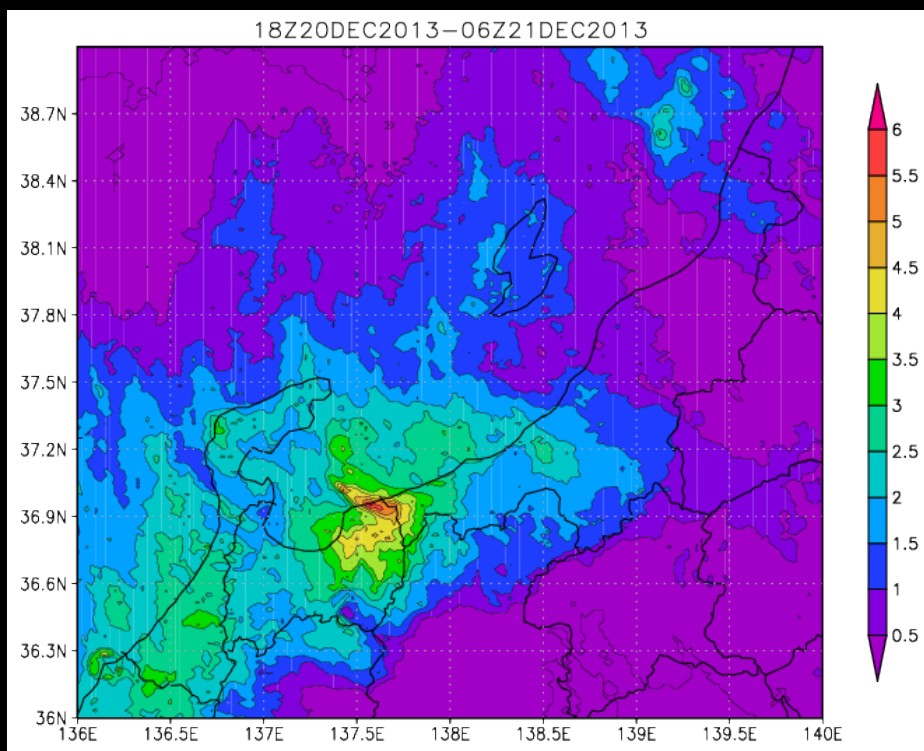
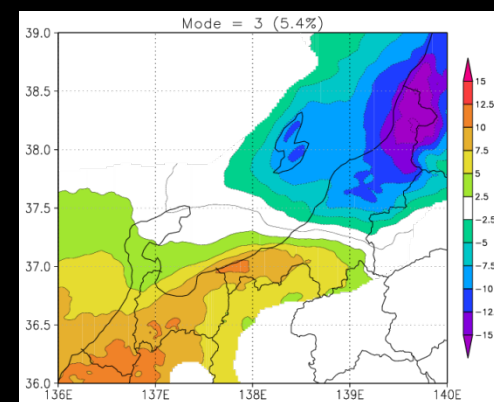
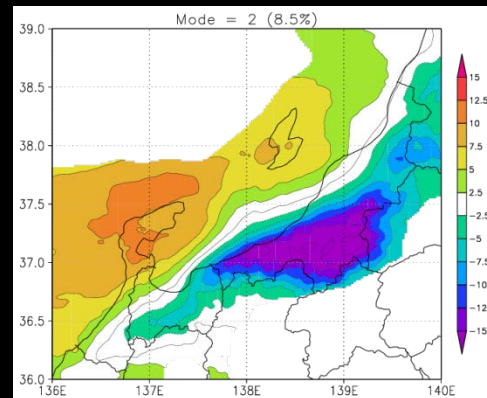


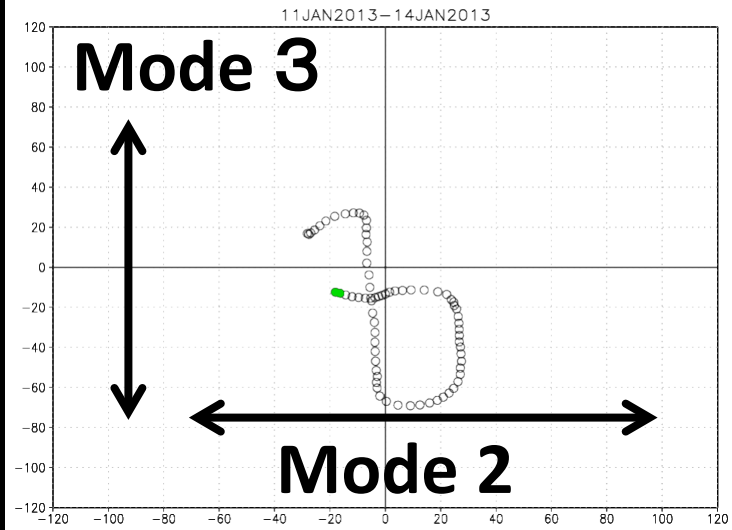
Sea-level Pressure (12Z03DEC2014)



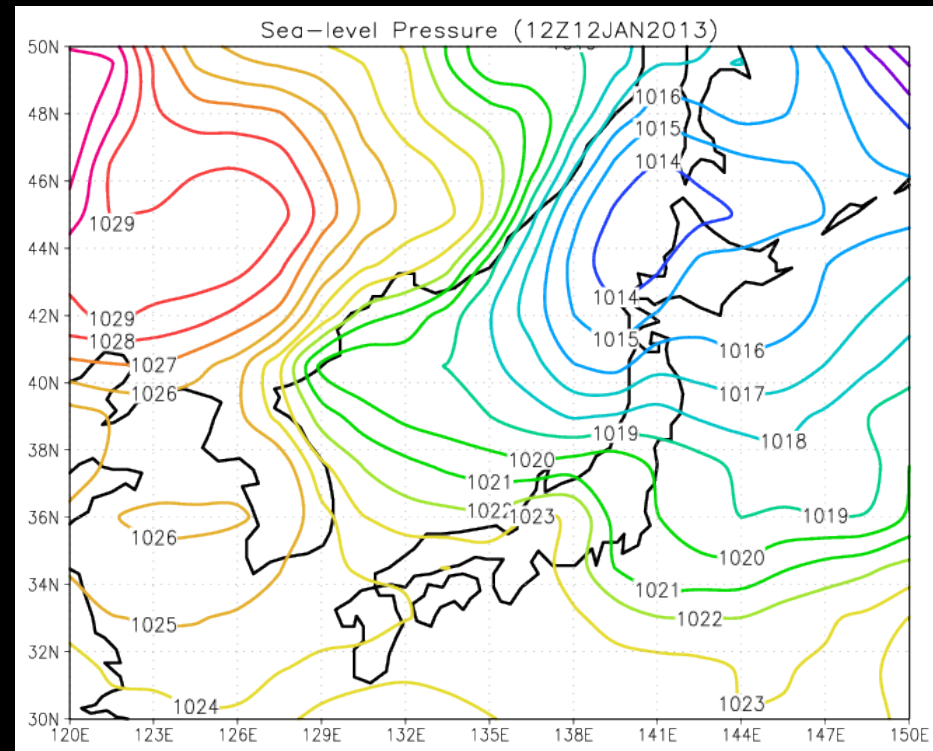
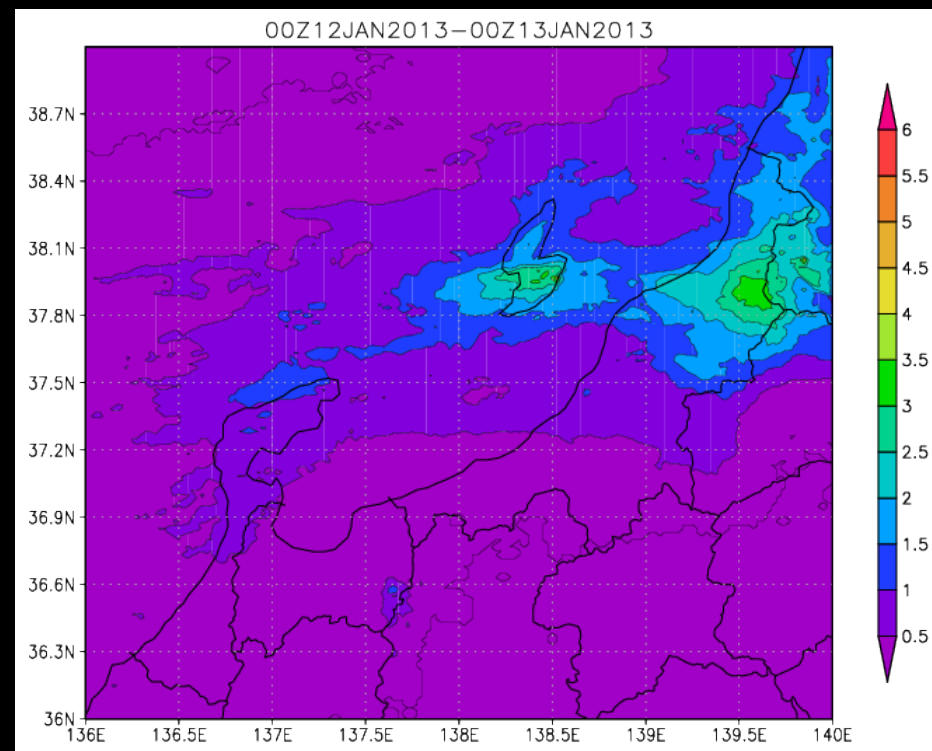
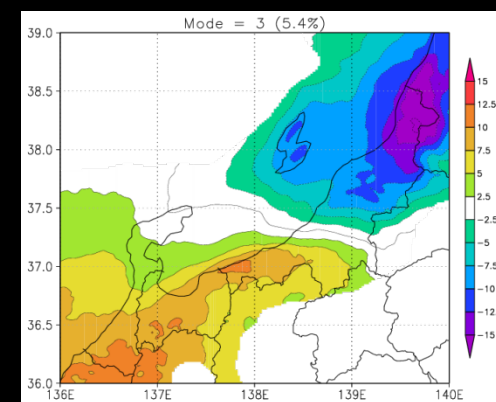
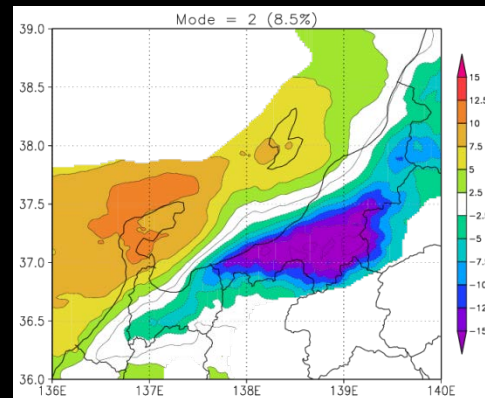


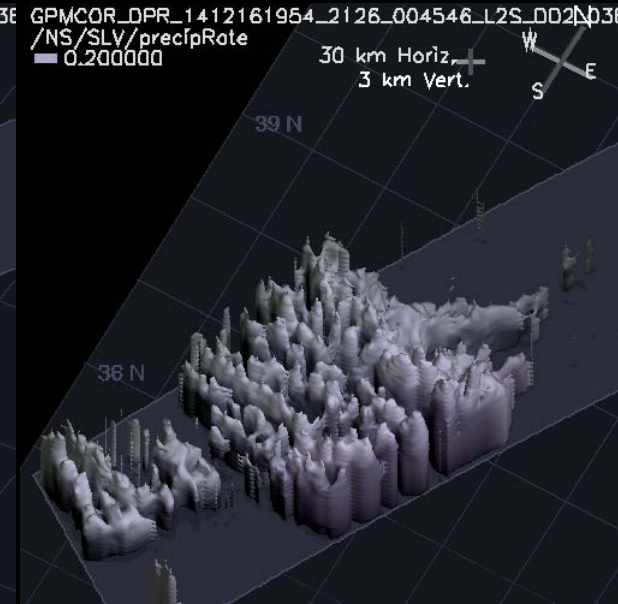
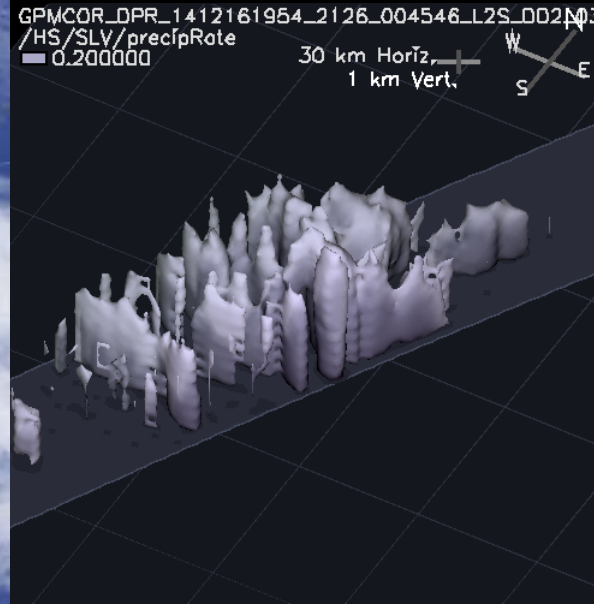
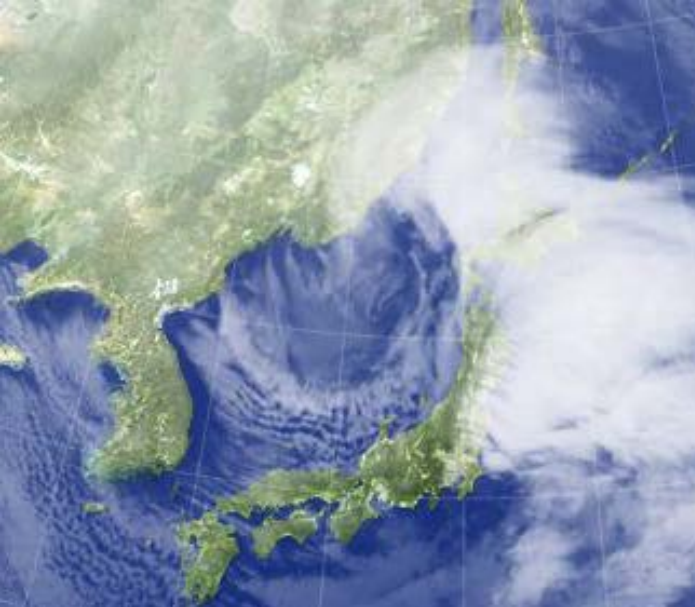
Mode 3 (正)





Mode 3 (負)





Mode 2(正)

