



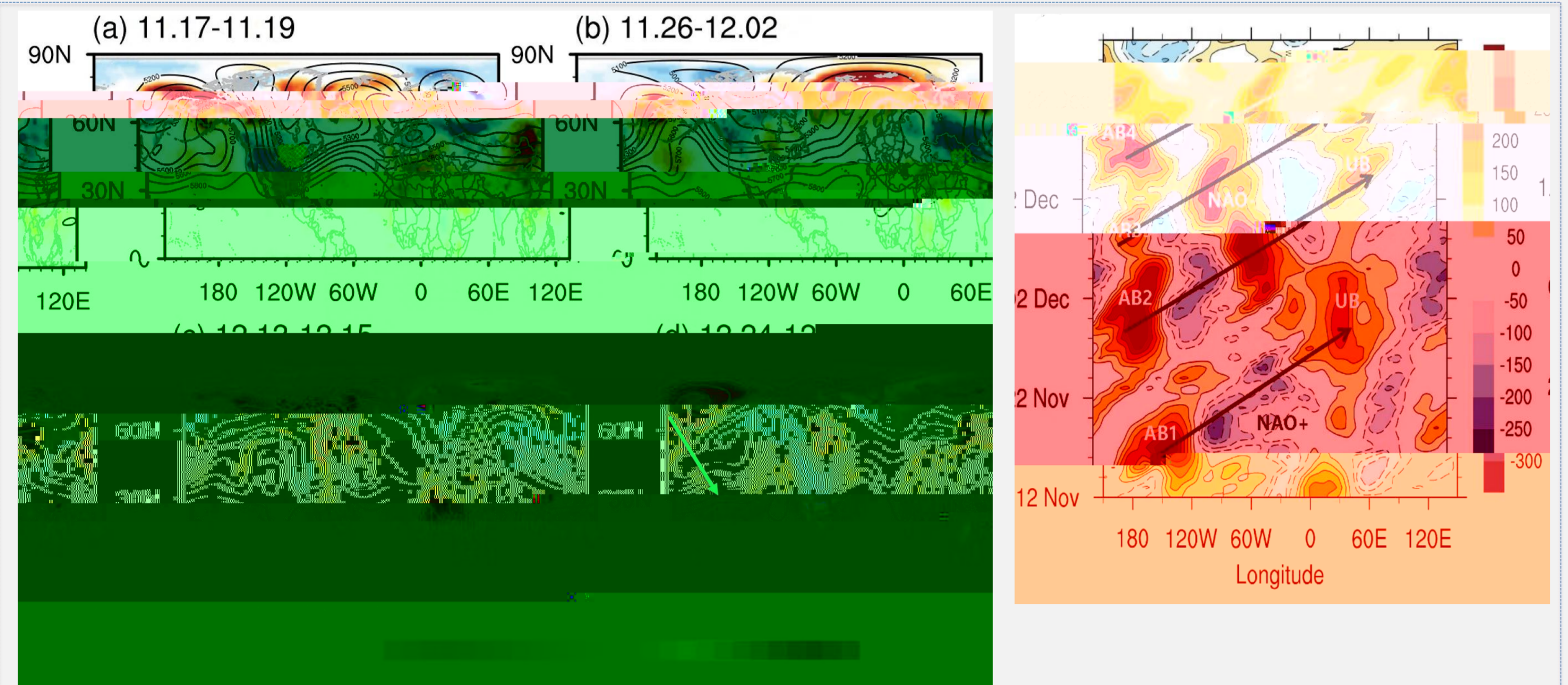
2022 11

1	1978	1	2	1	25	11	1
40		11	12	12	"	"	-53

European Centre for Medium-Range Weather Forecasts (ERA5)

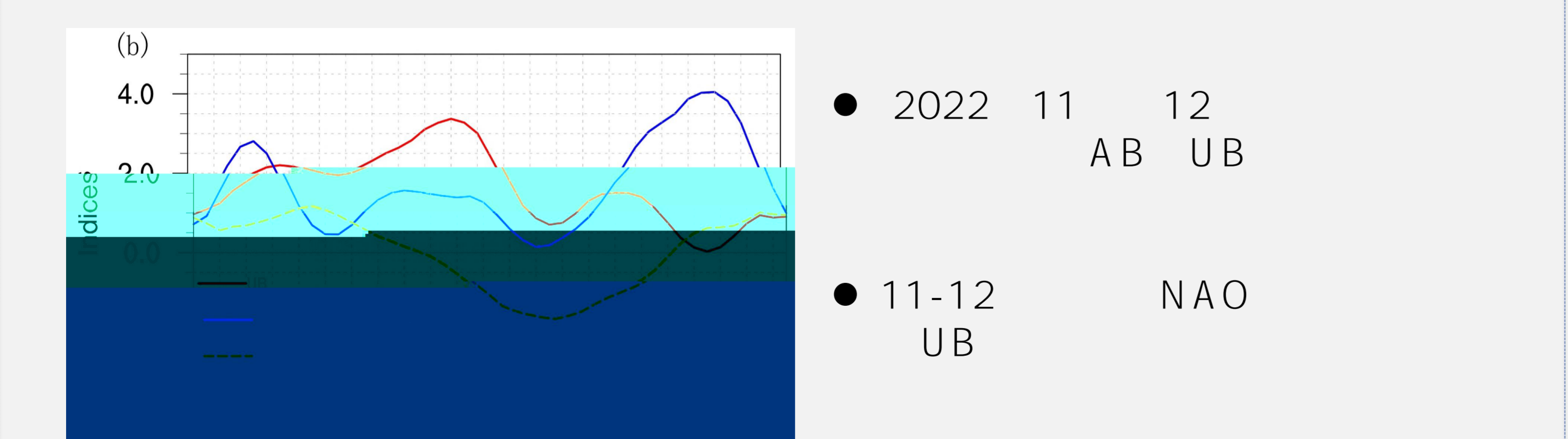
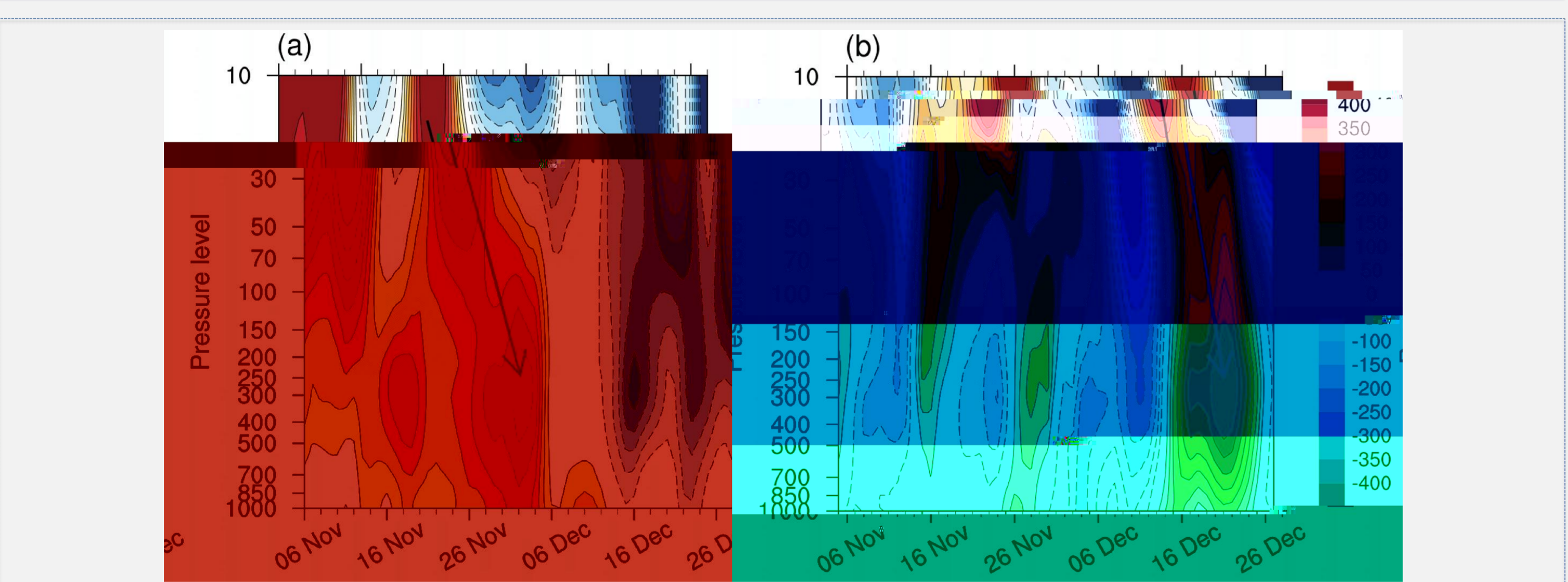
1° × 1° NAO
 Tibaldi and Molteni, 1990 ;
 PVy (Luo et al., 2019a; 2019b)
 (Dominguez et al. 2006), (Zhong et al. 2018)

2022/23冬



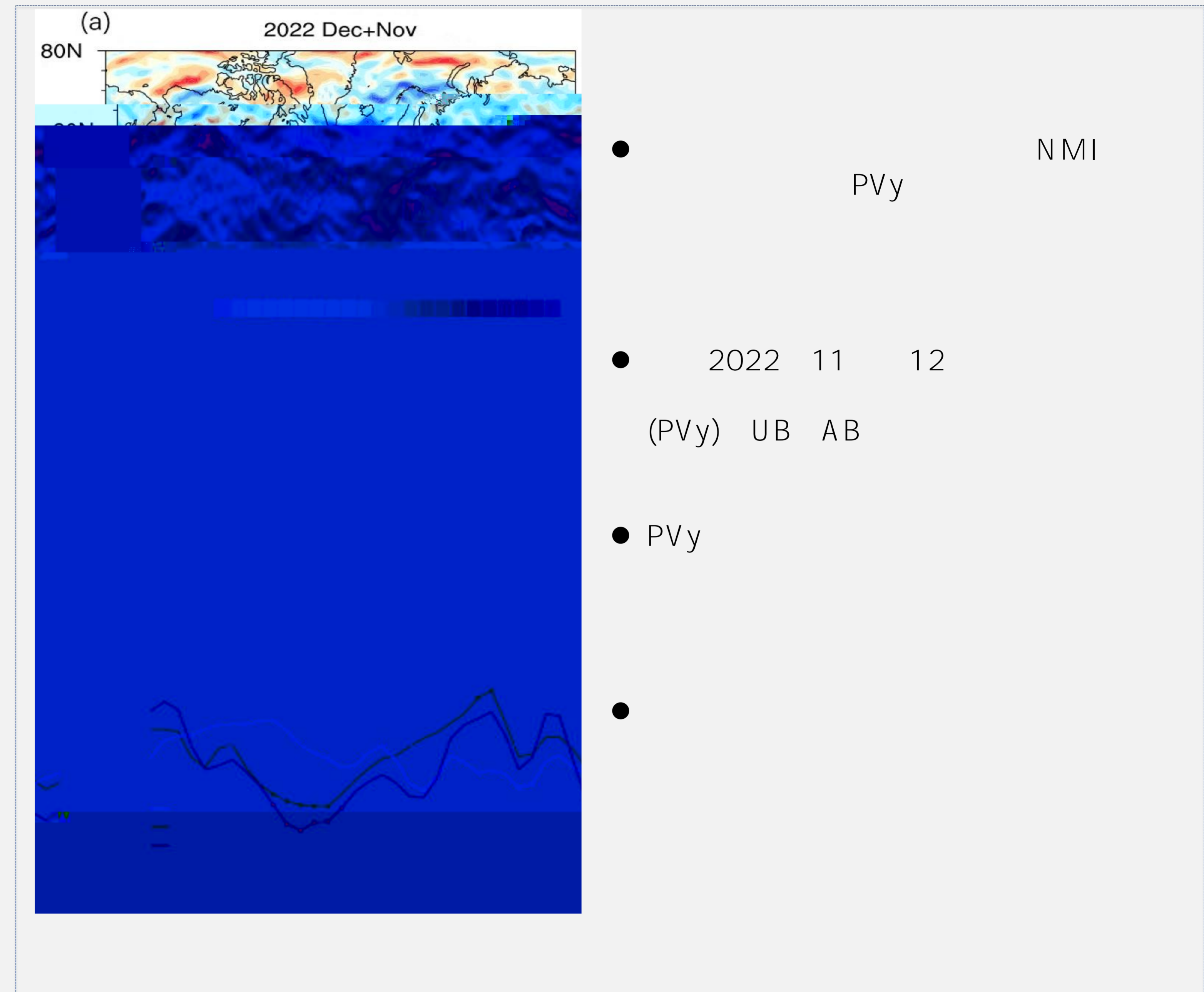
- (AB) (UB) (NAO)
-

信、NAO位



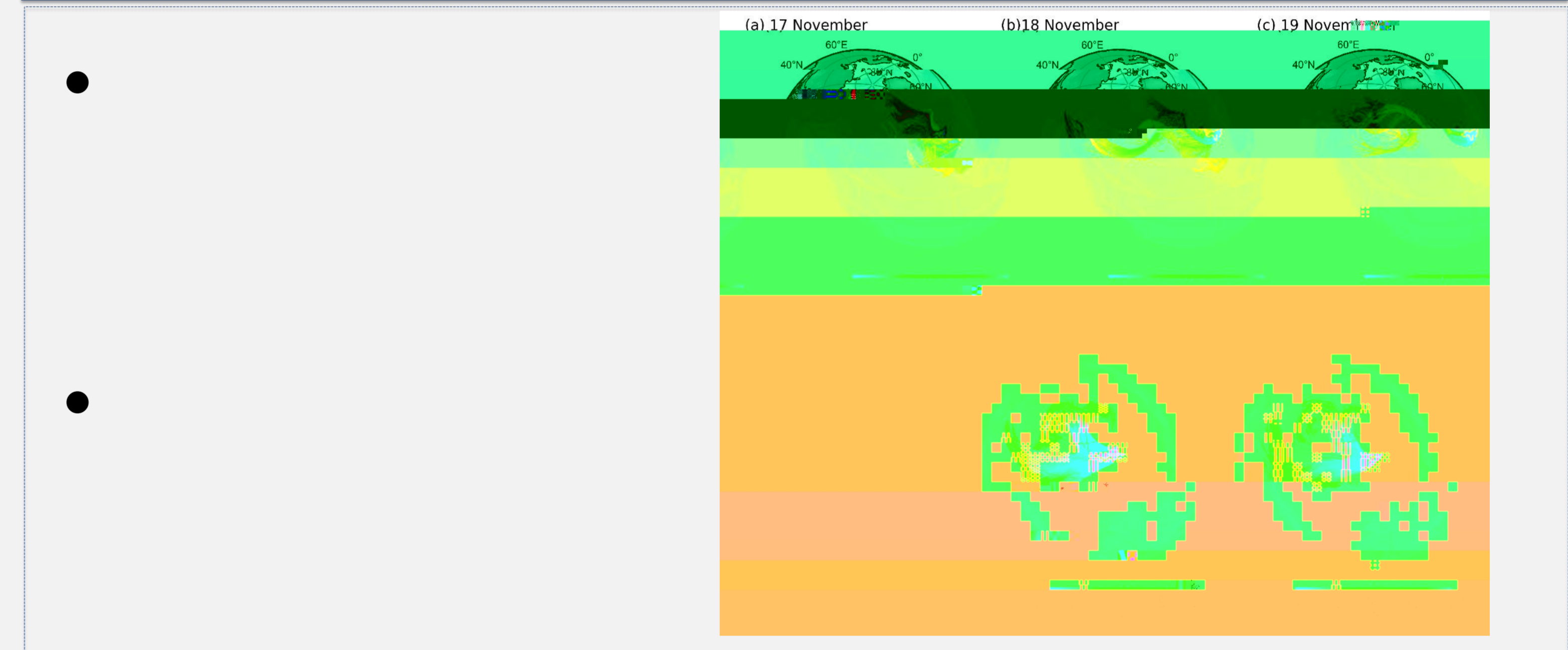
- 2022 11 12 AB UB
- 11-12 UB NAO

关：位



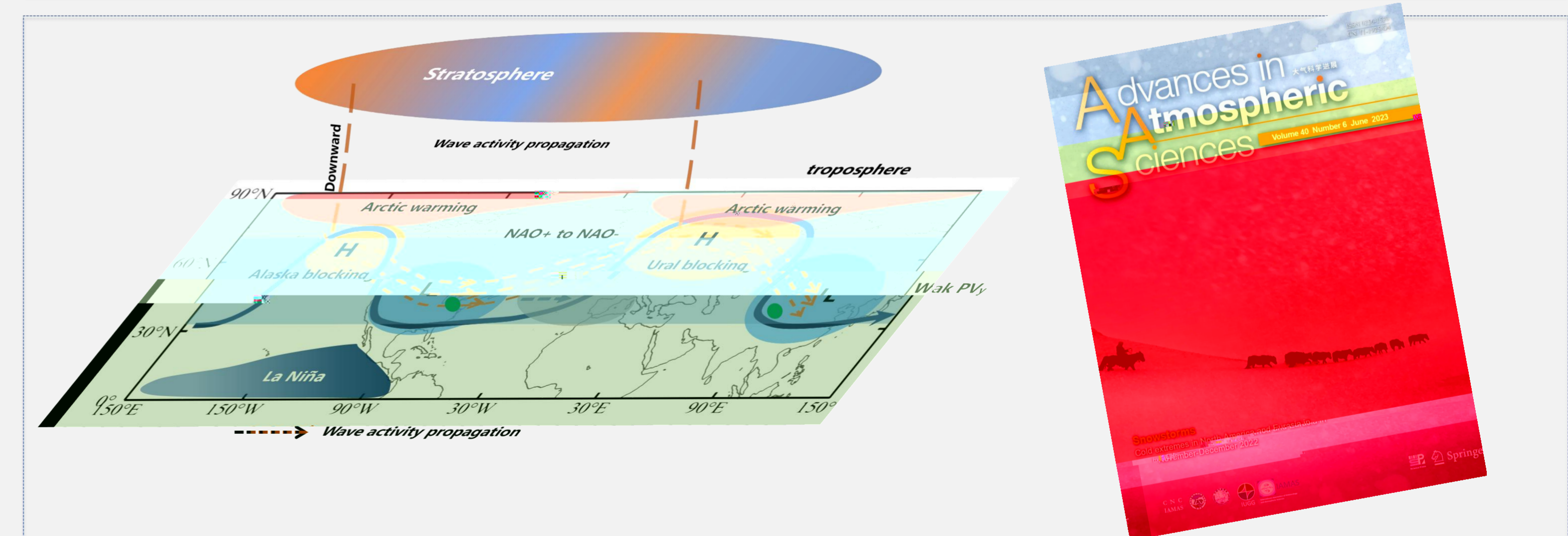
- PVy NMI
- 2022 11 12 (PVy) UB AB
- PVy
-

(a) 17 November (b) 18 November (c) 19 November



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Stratosphere troposphere



2022/23

- 2022/23 NAO AB UB
- 2022 11 12 (PVy) UB AB
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