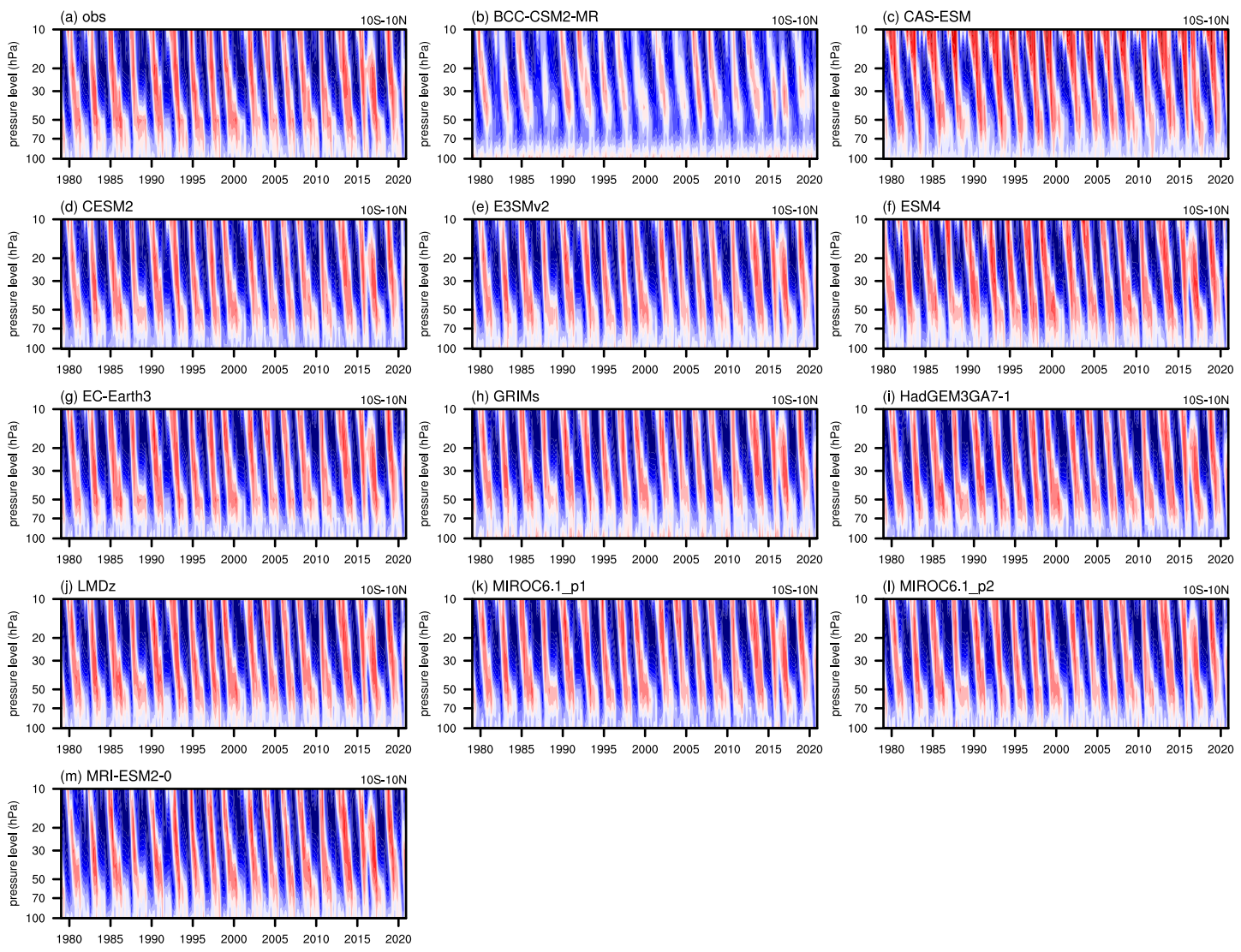

(a) obs
10S-10N
(b) BCC-CSM2-MR
10S-10N
(c) CAS-ESM
10S-10N
(d) CESM2
10S-10N
(e) E3SMv2
10S-10N
(f) ESM4
10S-10N
(g) EC-Earth3
10S-10N
(h) GRIMs
10S-10N
(i) HadGEM3GA7-1
10S-10N
(j) LMDz
10S-10N
(k) MIROC6.1_p1
10S-10N
(l) MIROC6.1_p2
10S-10N
(m) MRI-ESM2-0
10S-10N
pressure level (hPa)
10
20
30
50
70
100
1980
1985
1990
1995
2000
2005
2010
2015
2020
-30 -27 -24 -21 -18 -15 -12 -9 -6 -3 0 3 6 9 12 15 18 21 24 27 30