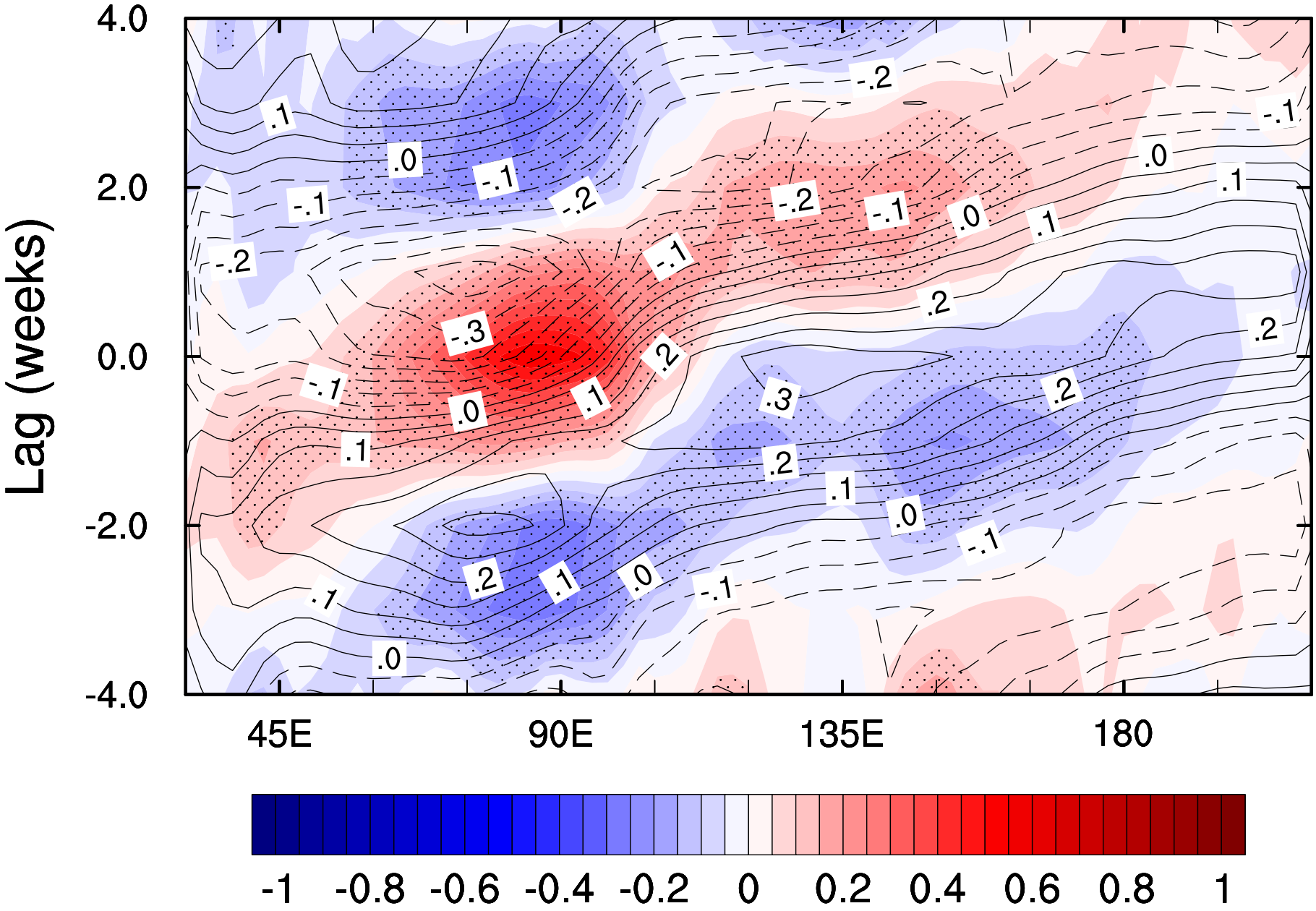
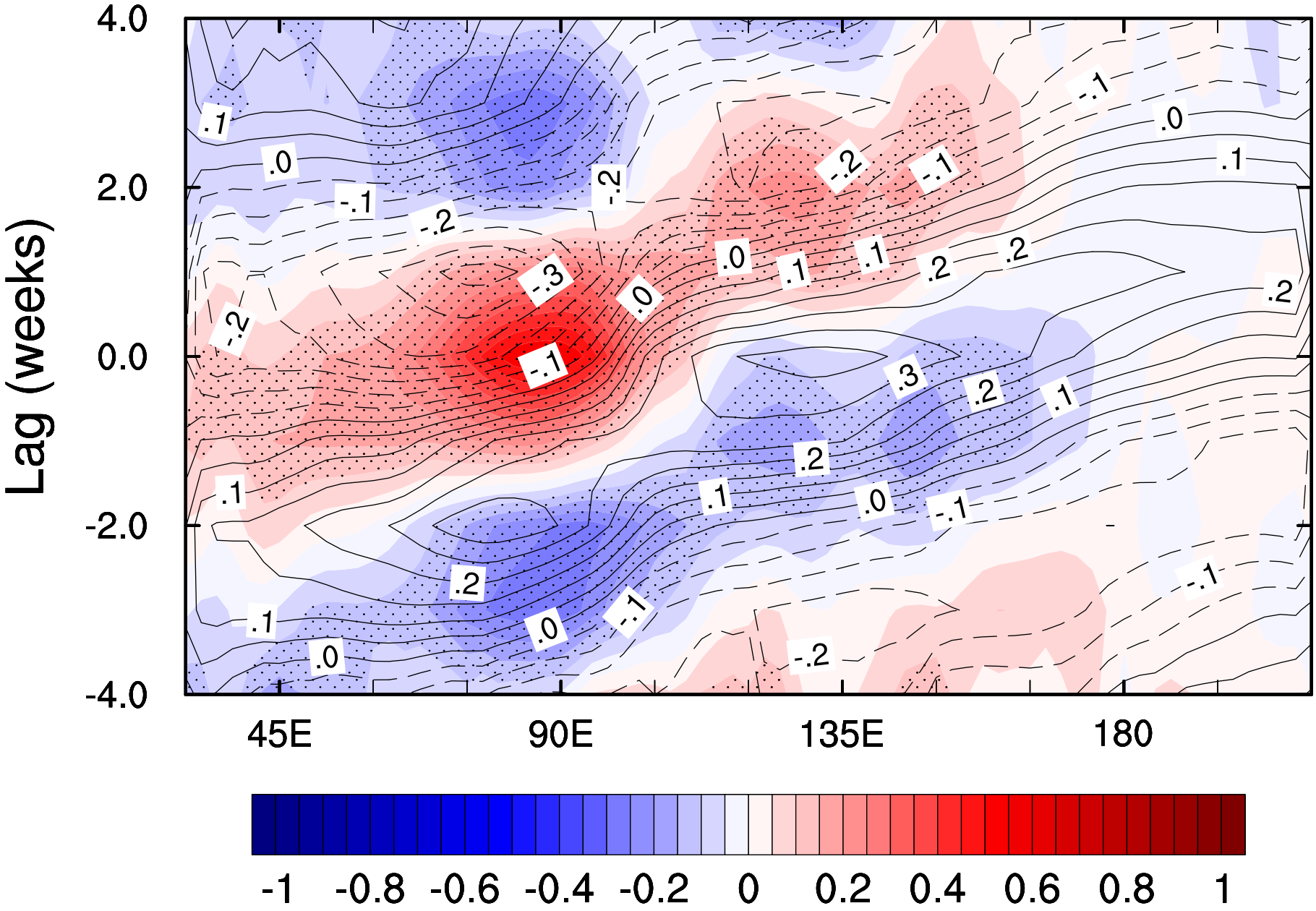
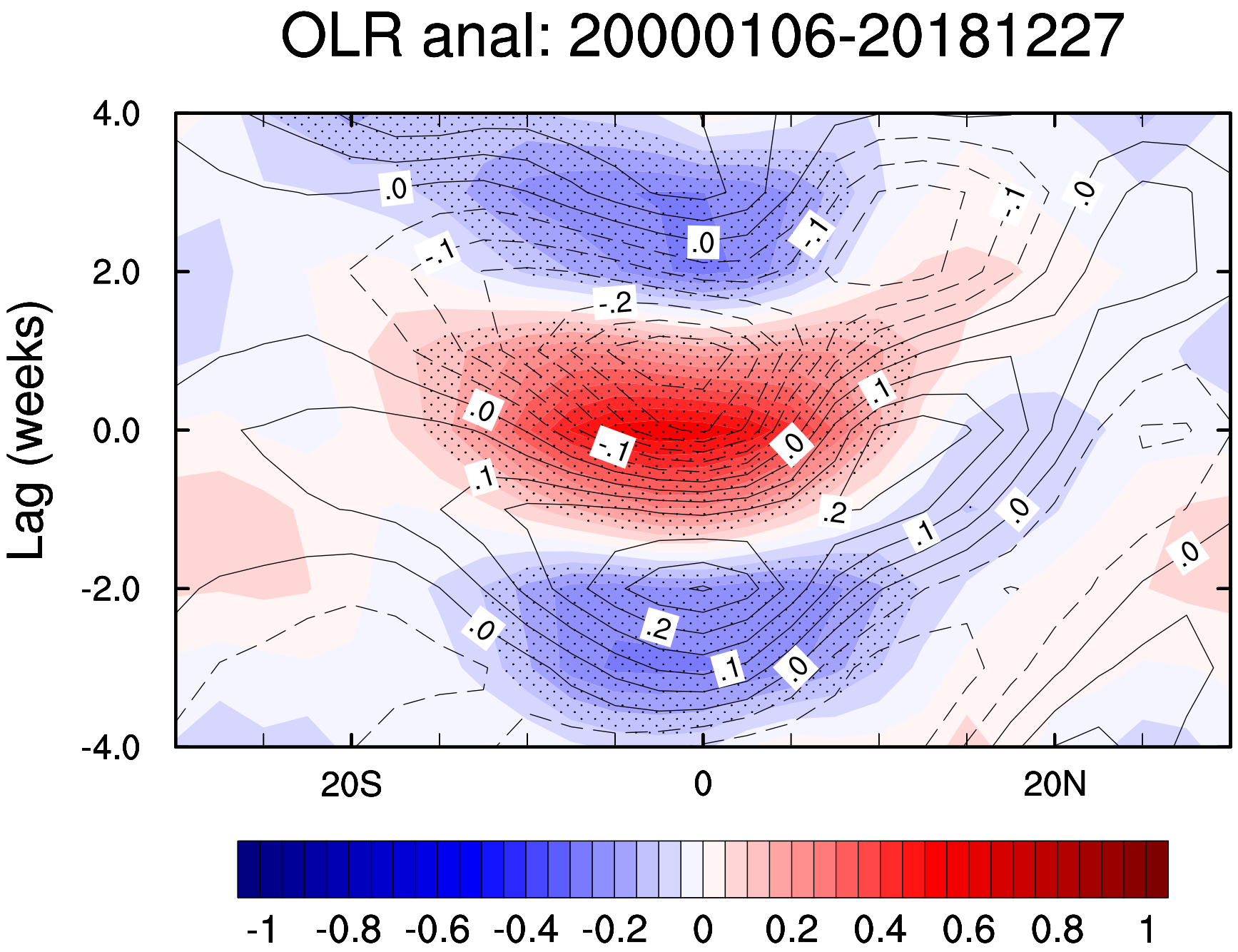
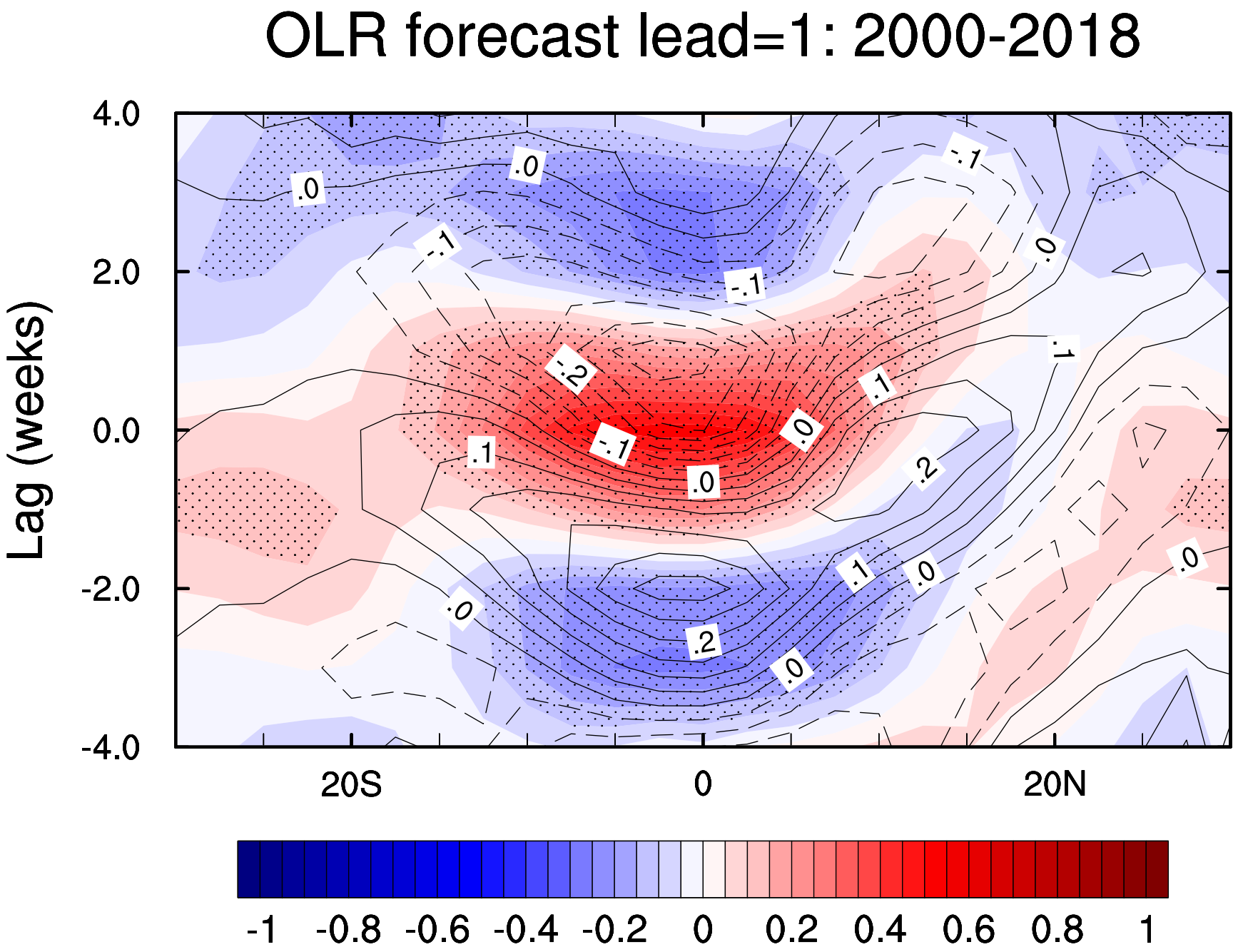
OLR anal: 20000106-20181227

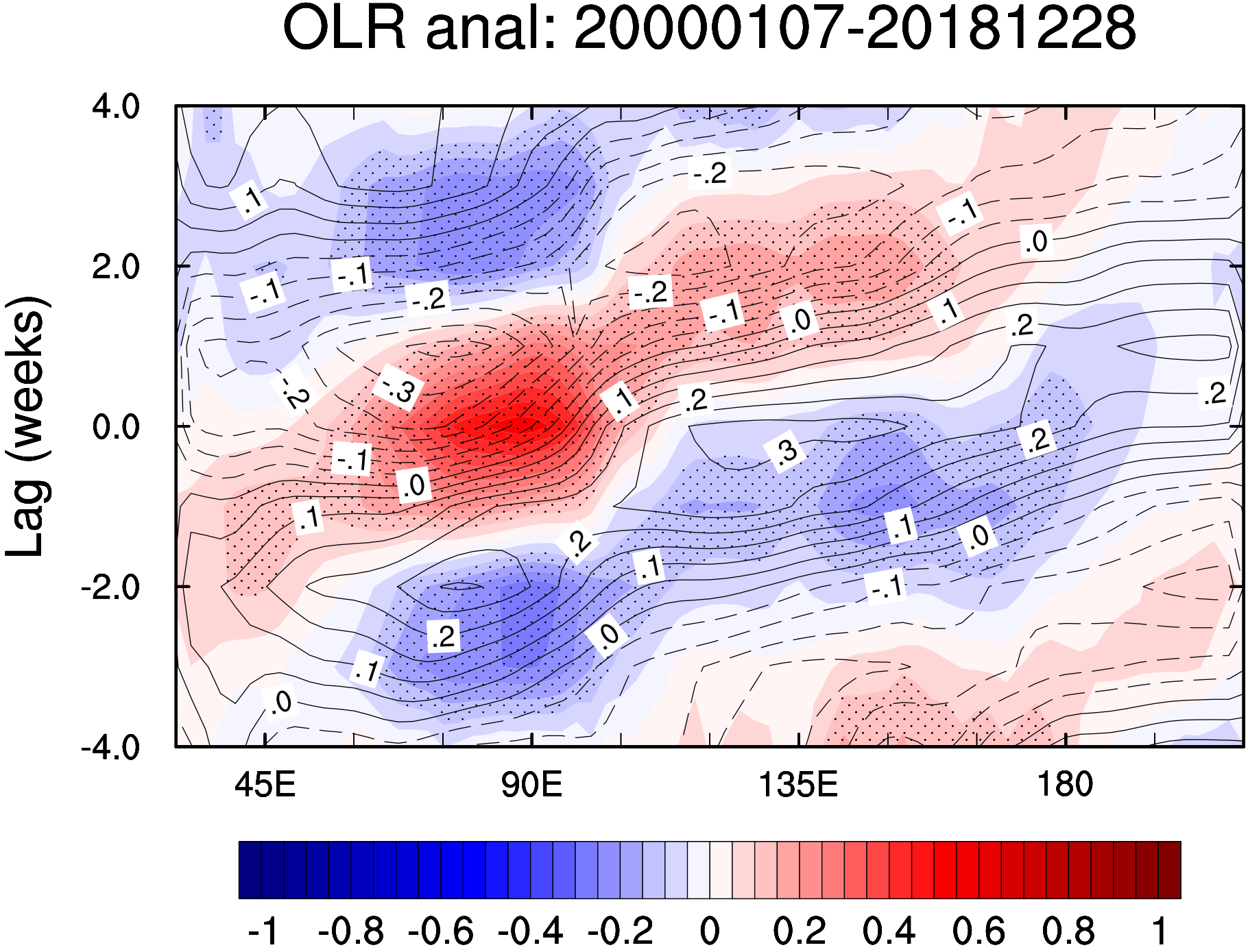


OLR forecast lead=1: 2000-2018

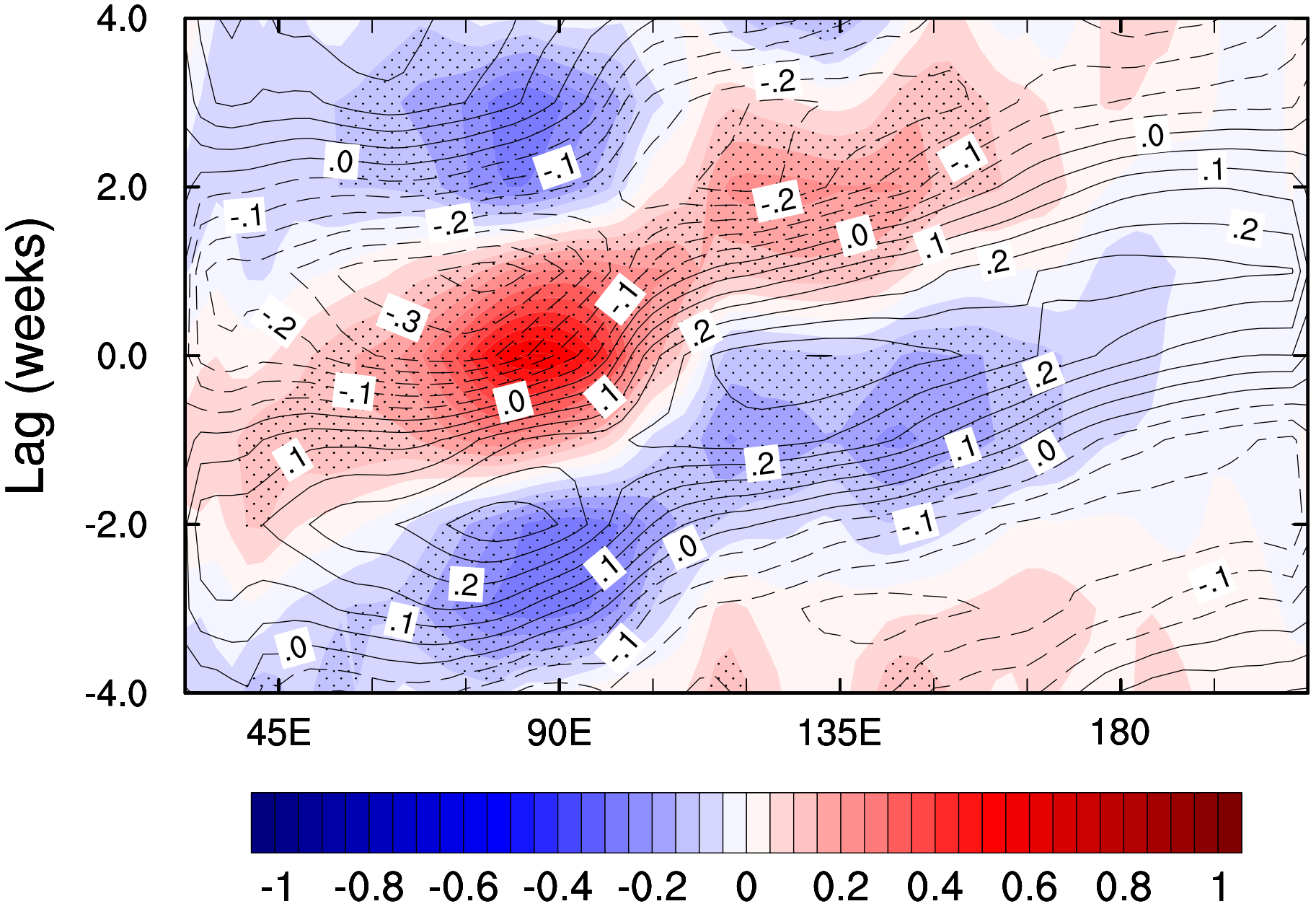


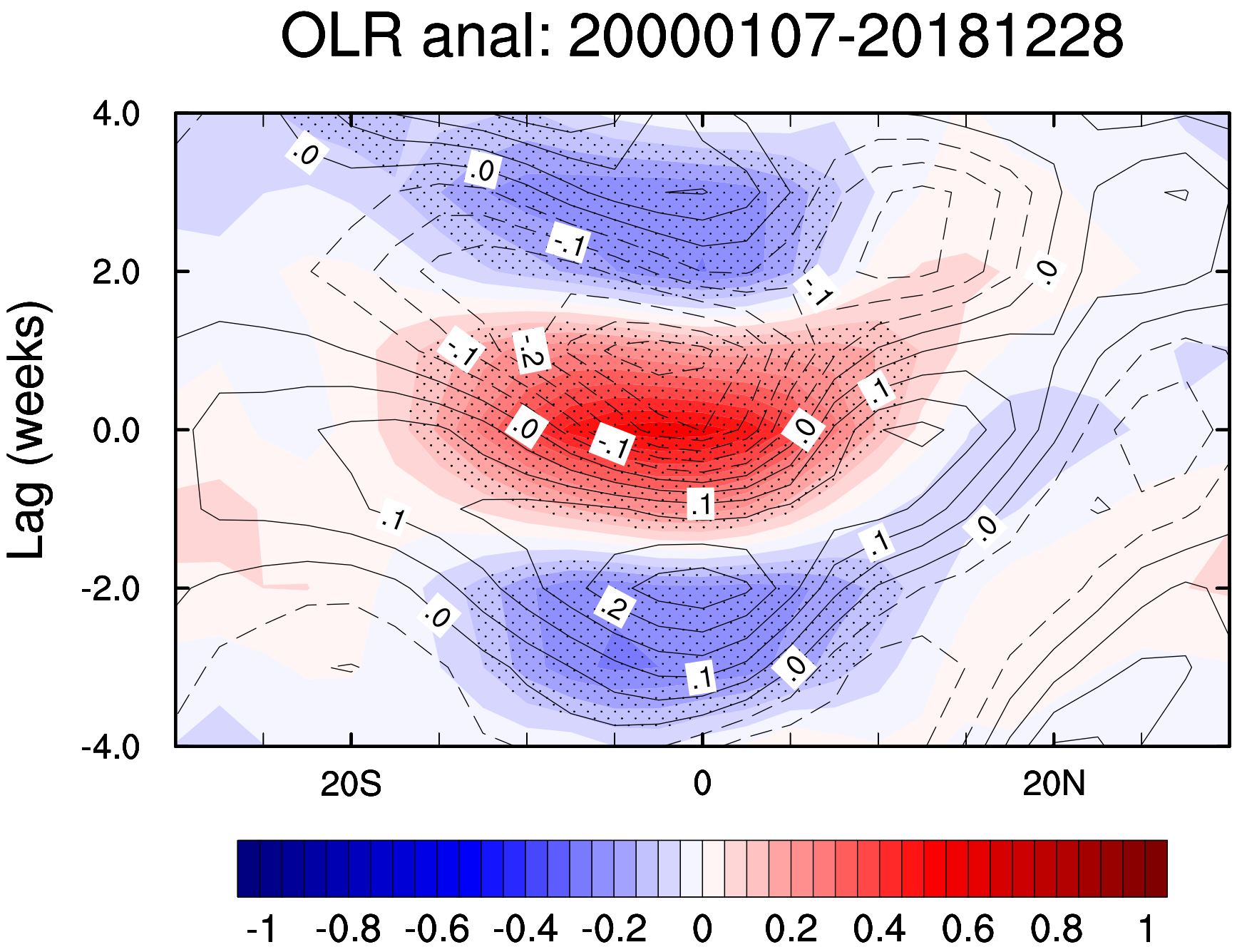

OLR anal: 20000106-20181227
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

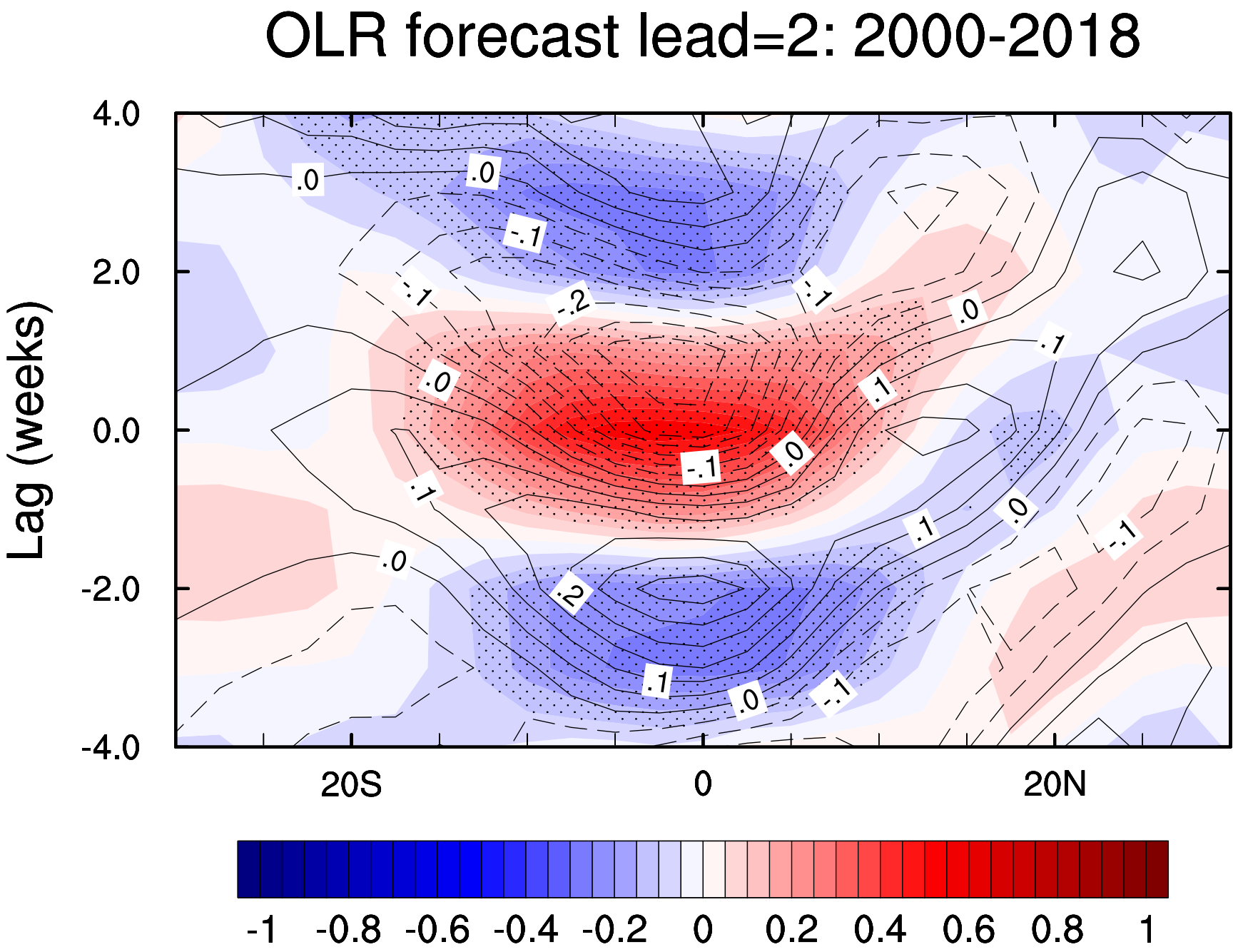

OLR forecast lead=1: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1


OLR anal: 20000107-20181228
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

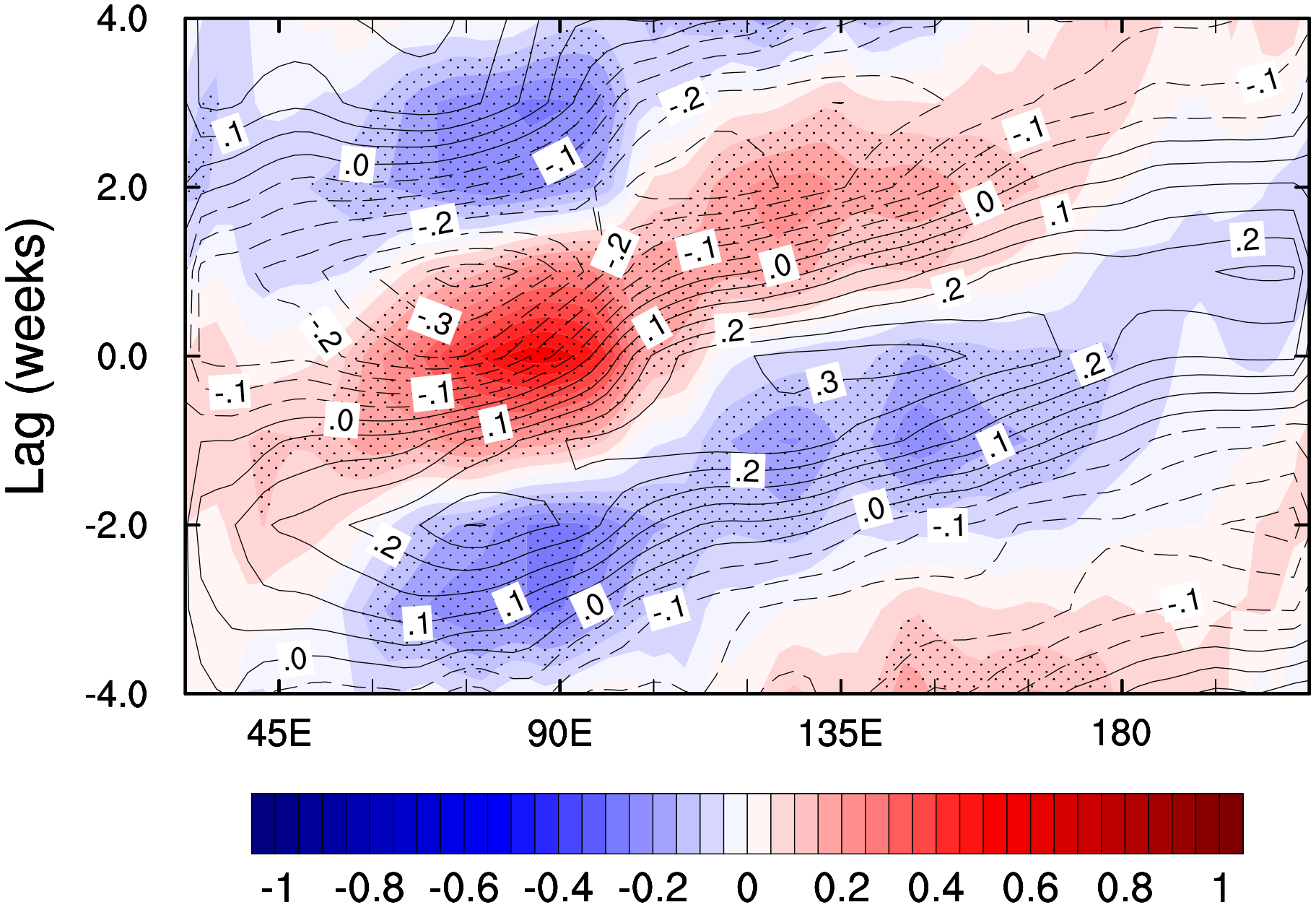
OLR forecast lead=2: 2000-2018

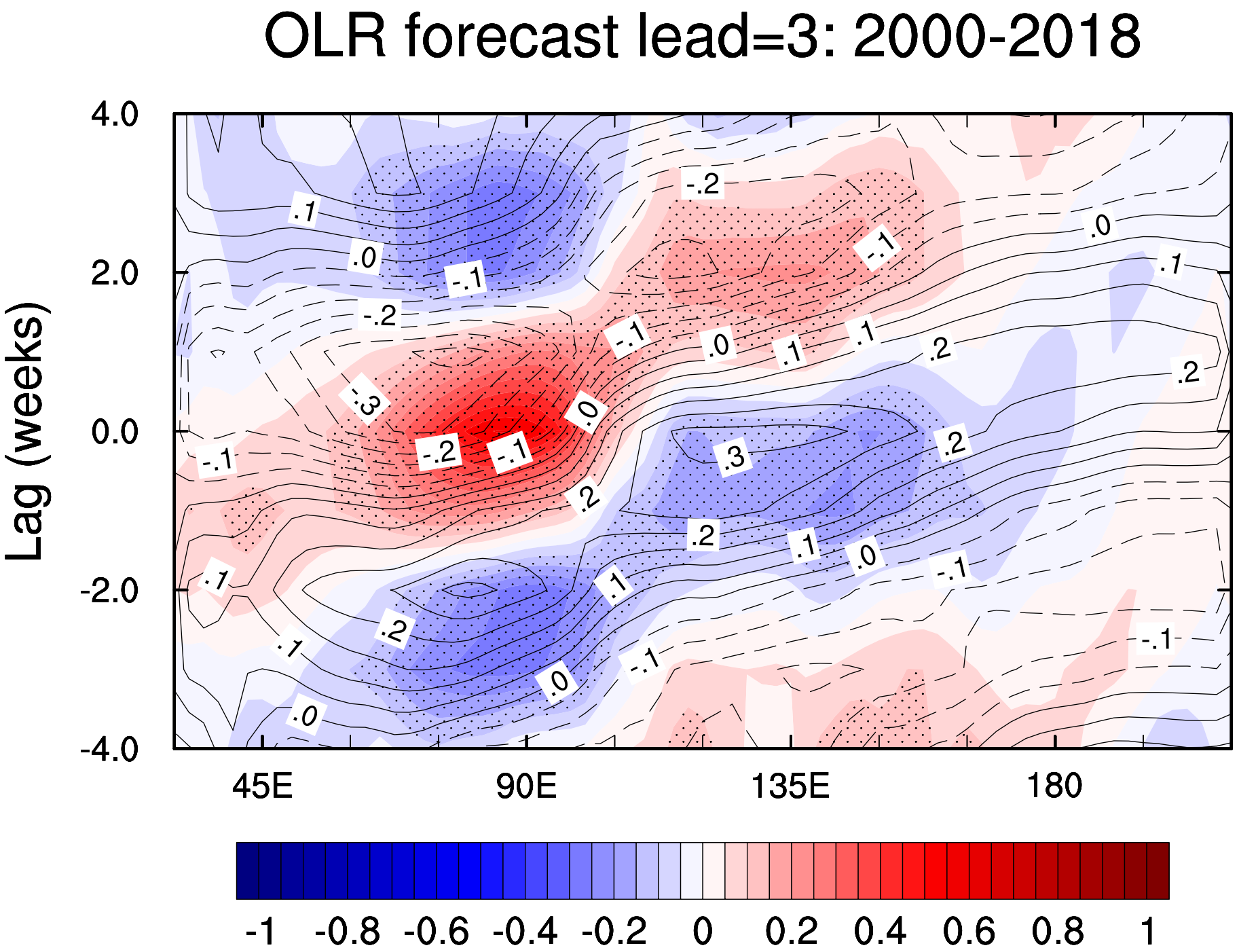


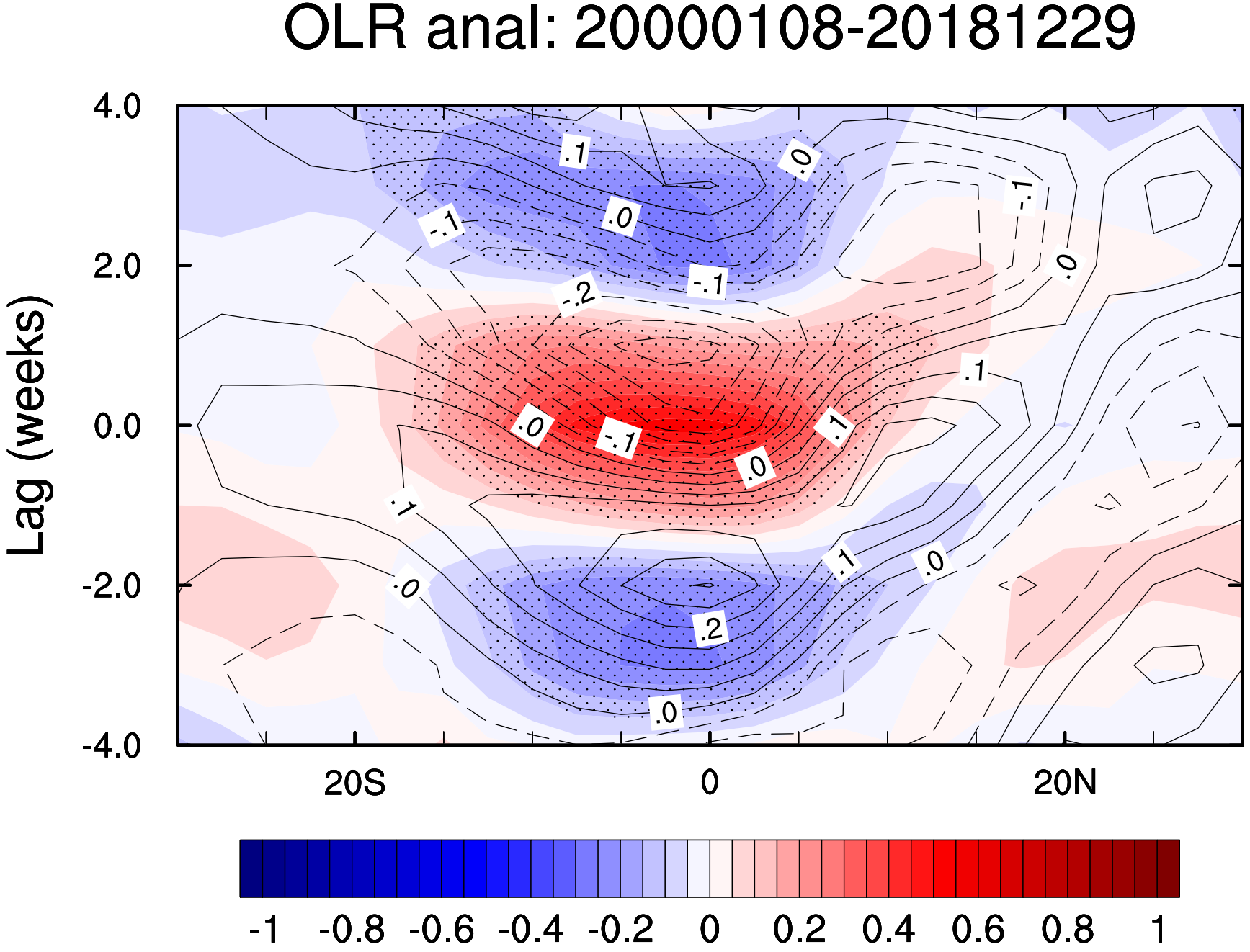

OLR anal: 20000107-20181228
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

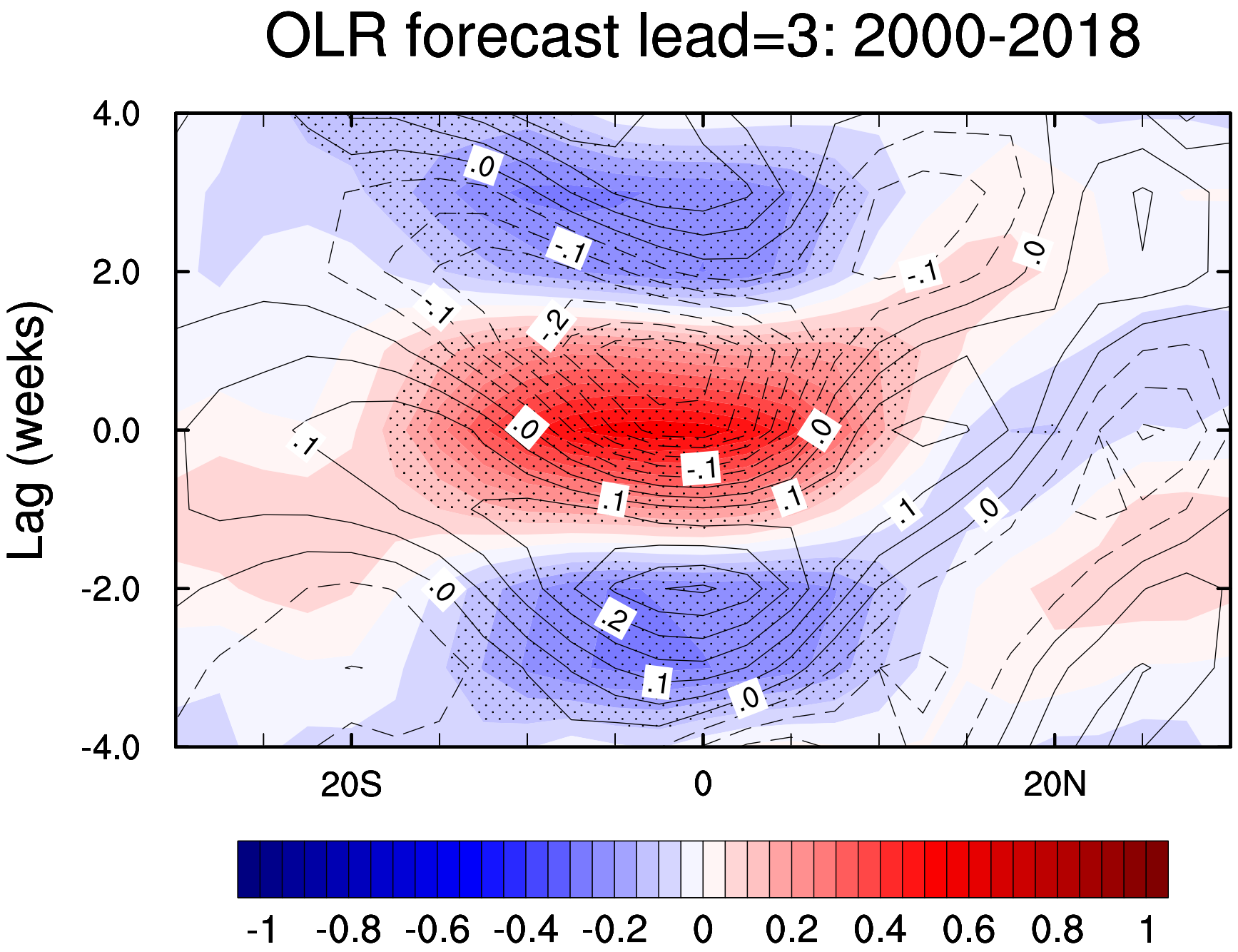

OLR forecast lead=2: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

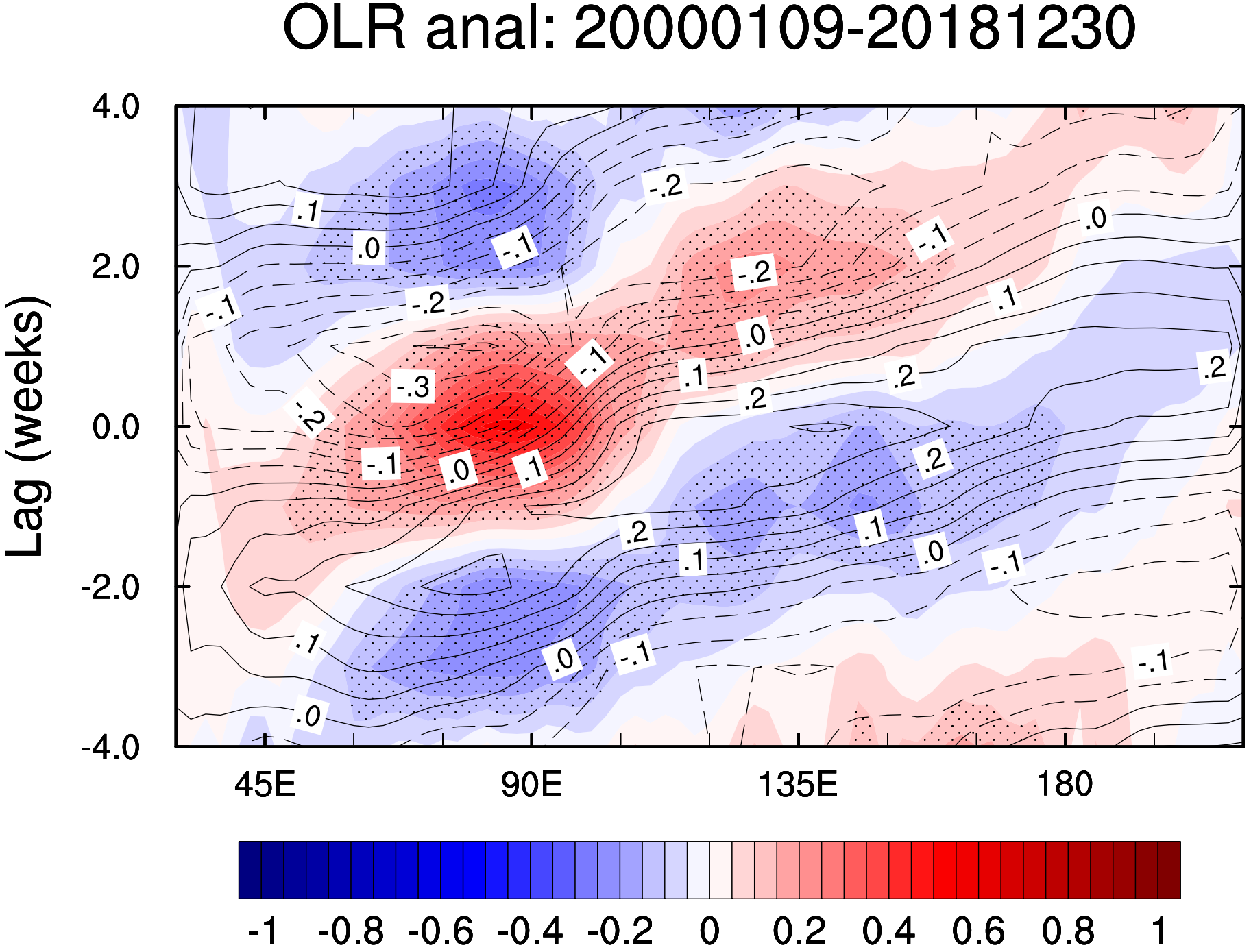
OLR anal: 20000108-20181229



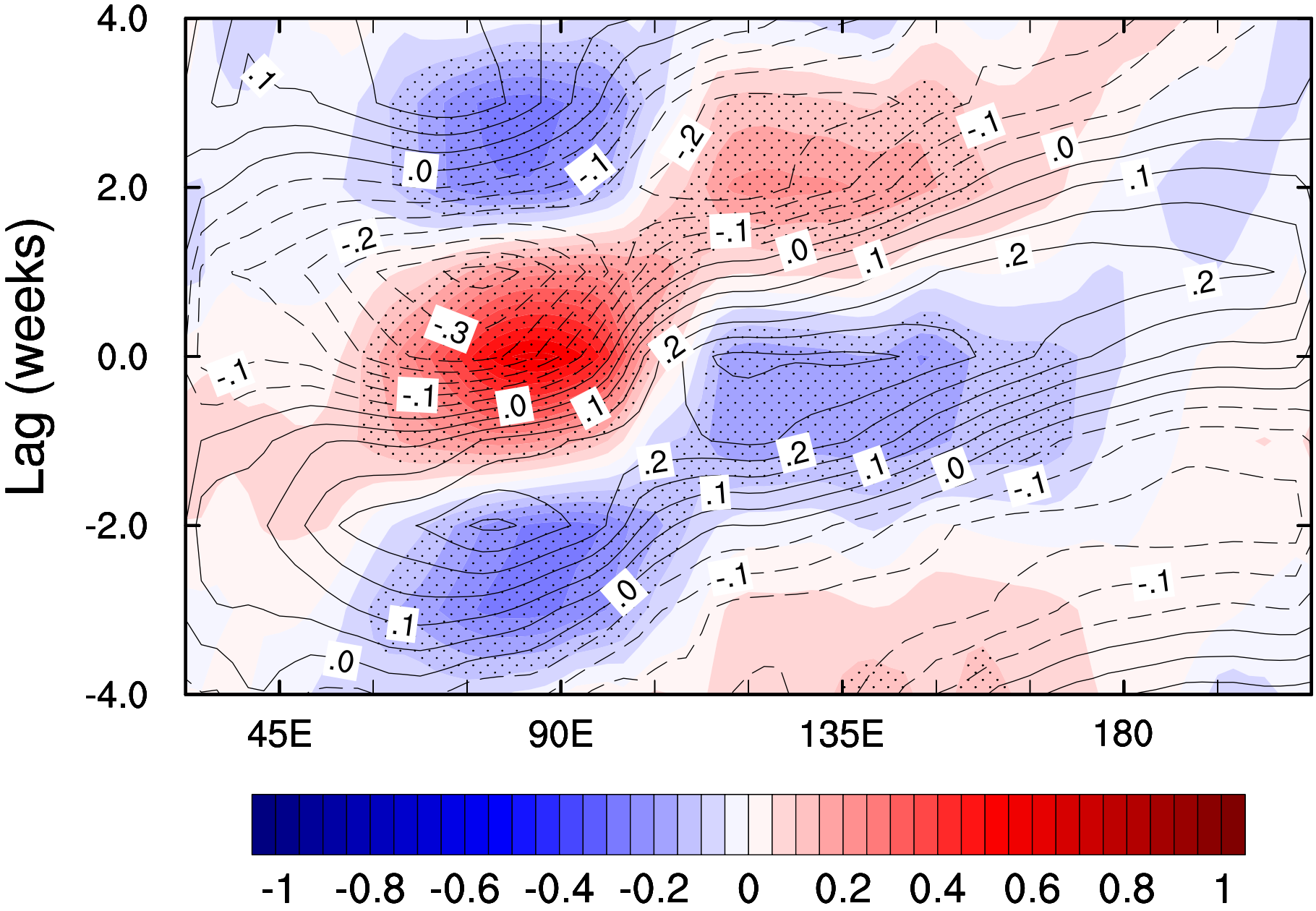

OLR forecast lead=3: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

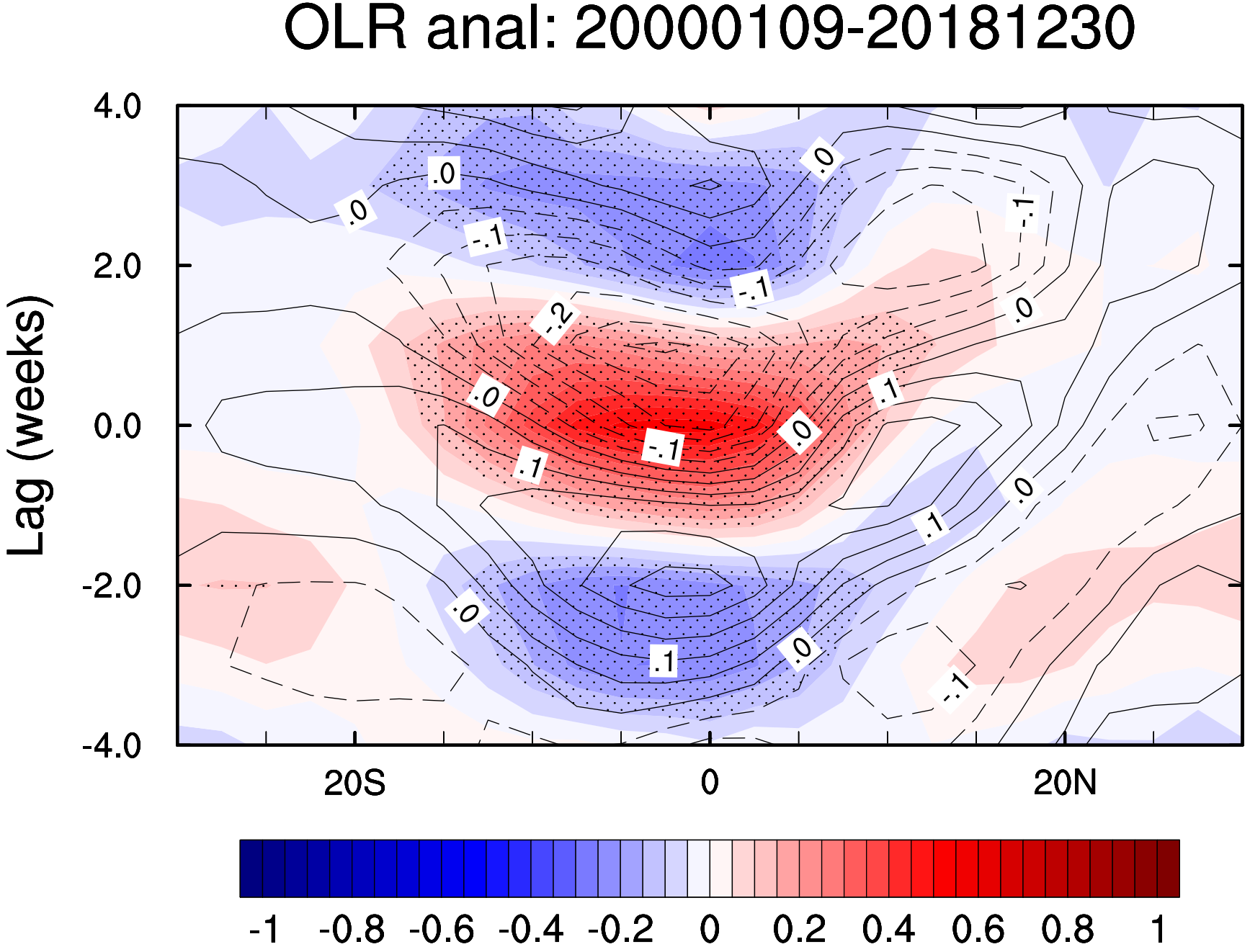

OLR anal: 20000108-20181229
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

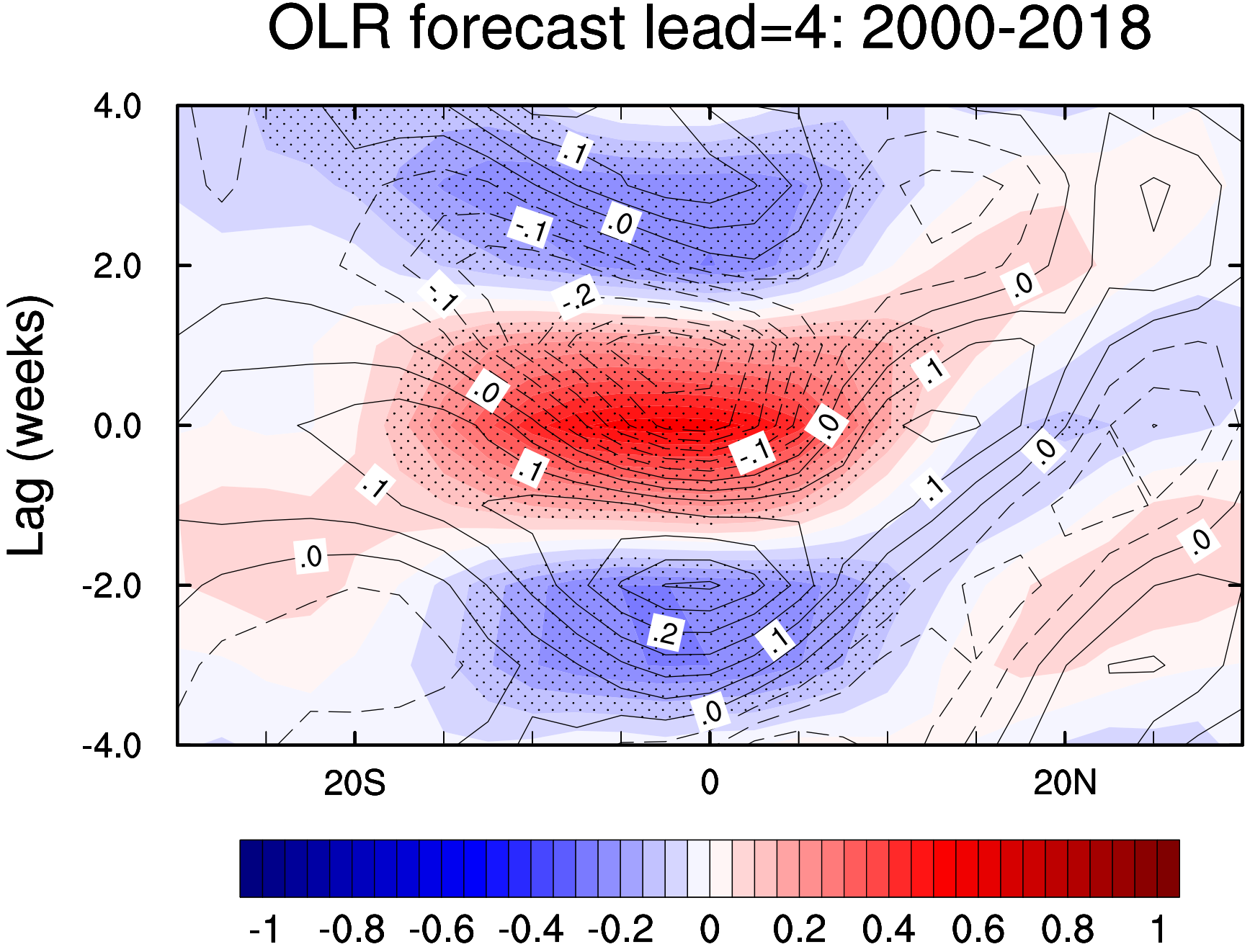

OLR forecast lead=3: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

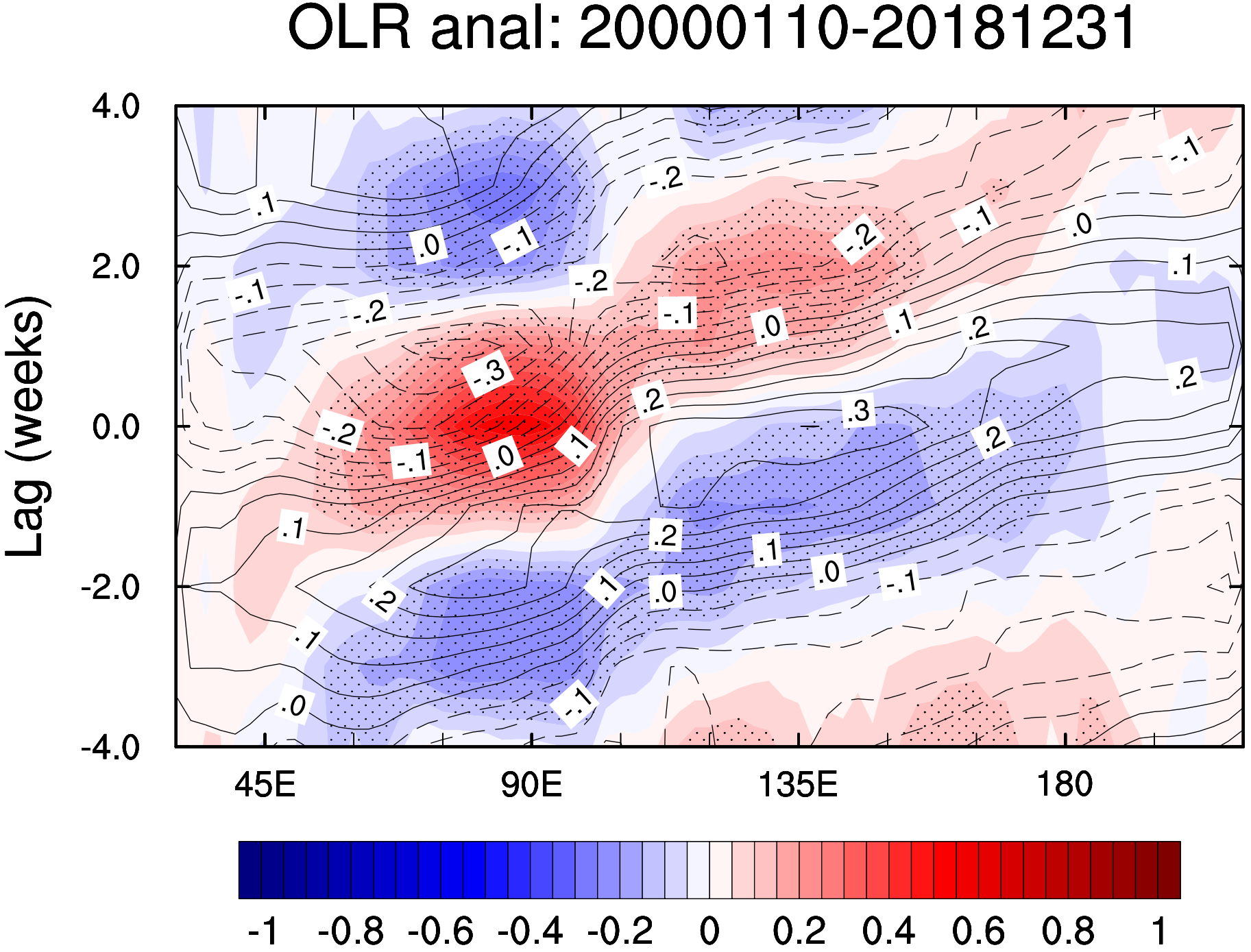

OLR anal: 20000109-20181230
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

OLR forecast lead=4: 2000-2018

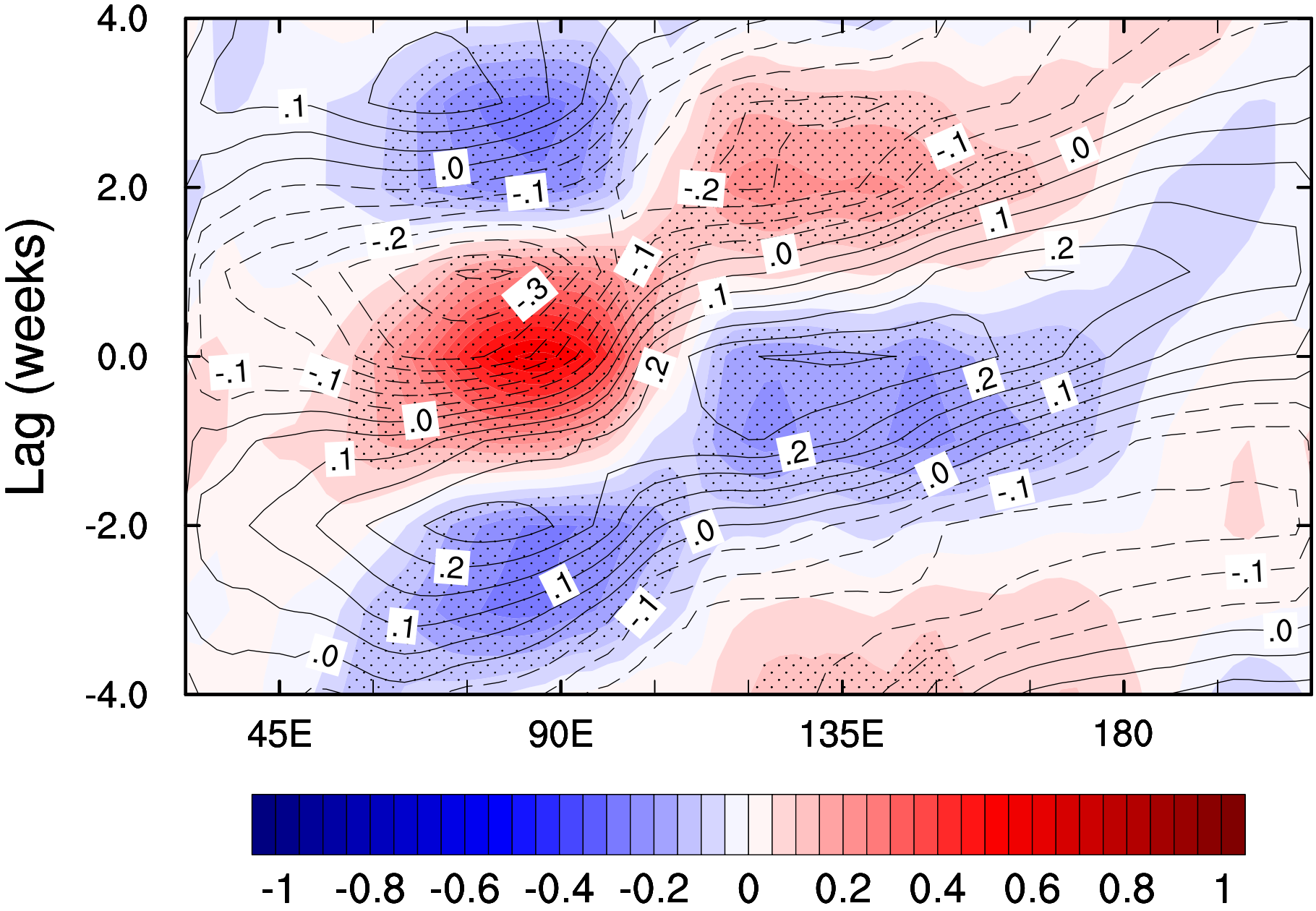


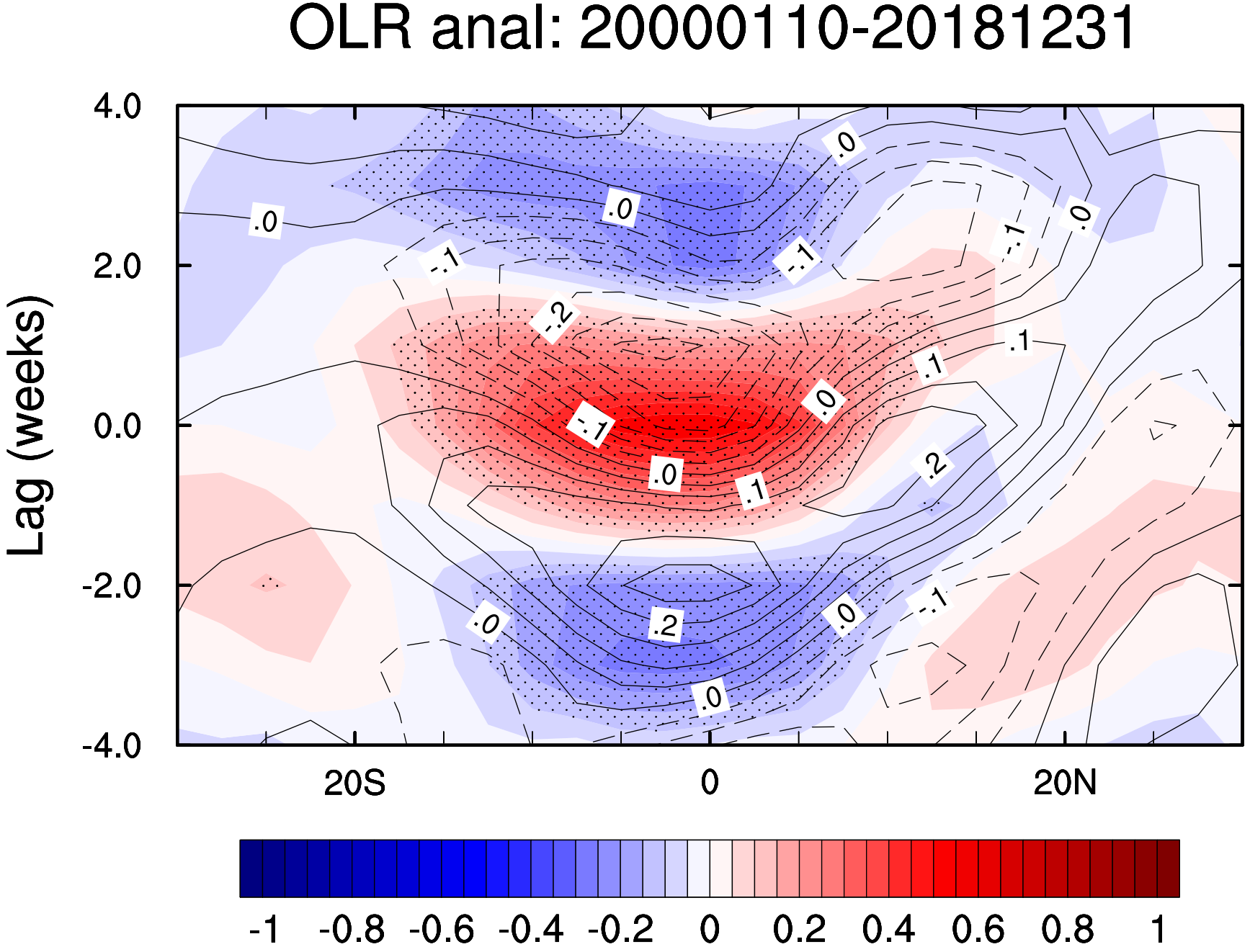

OLR anal: 20000109-20181230
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

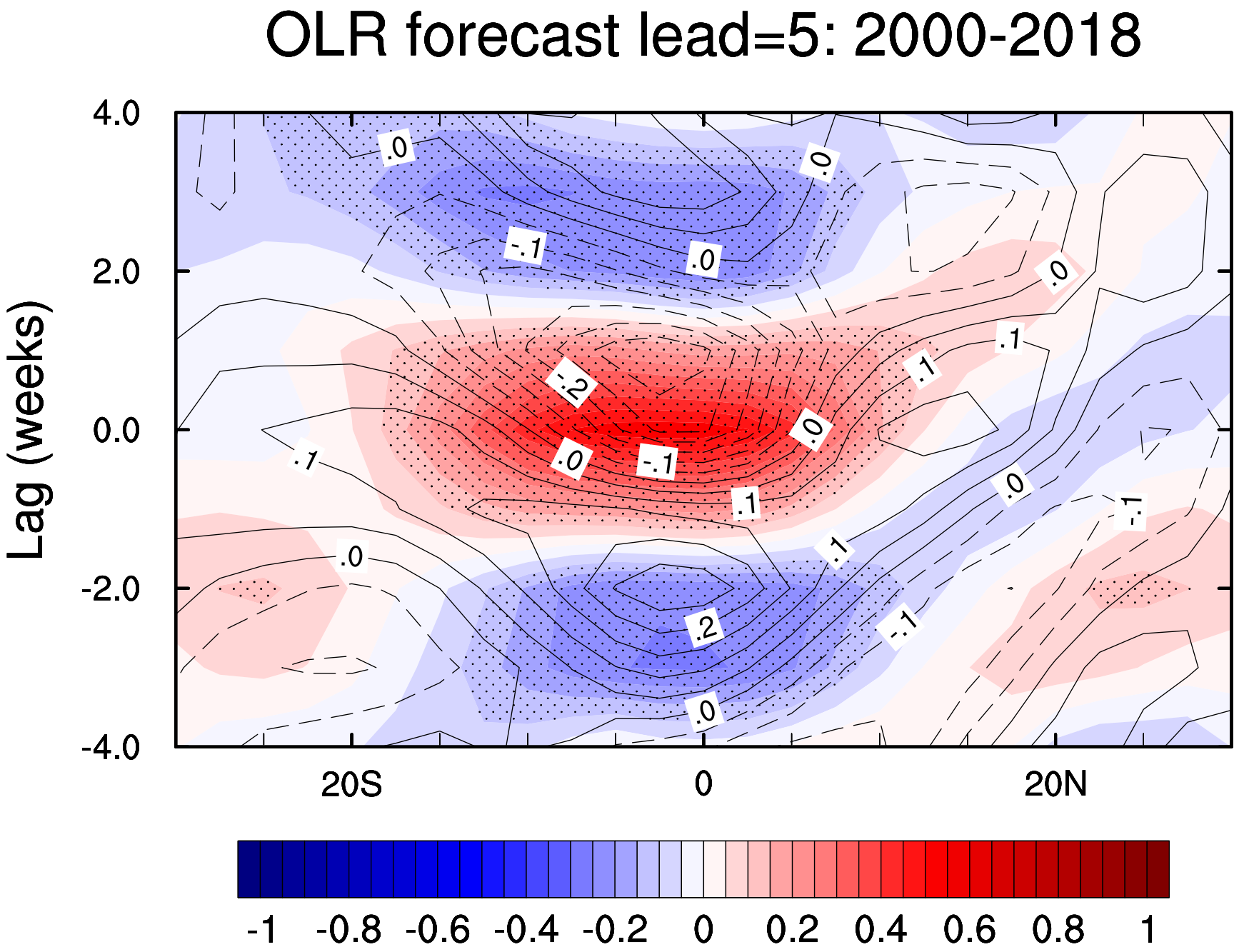

OLR forecast lead=4: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

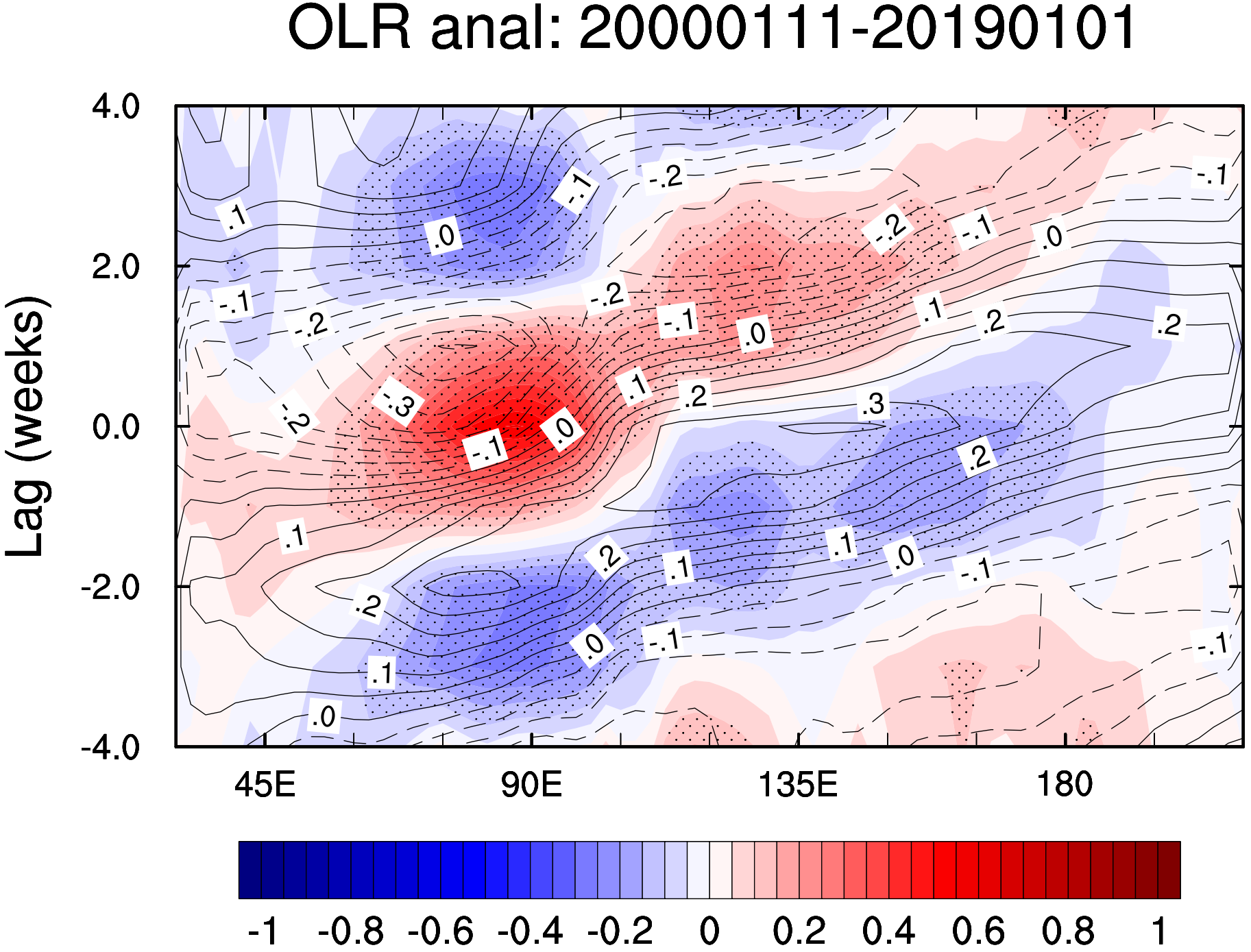

OLR anal: 20000110-20181231
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

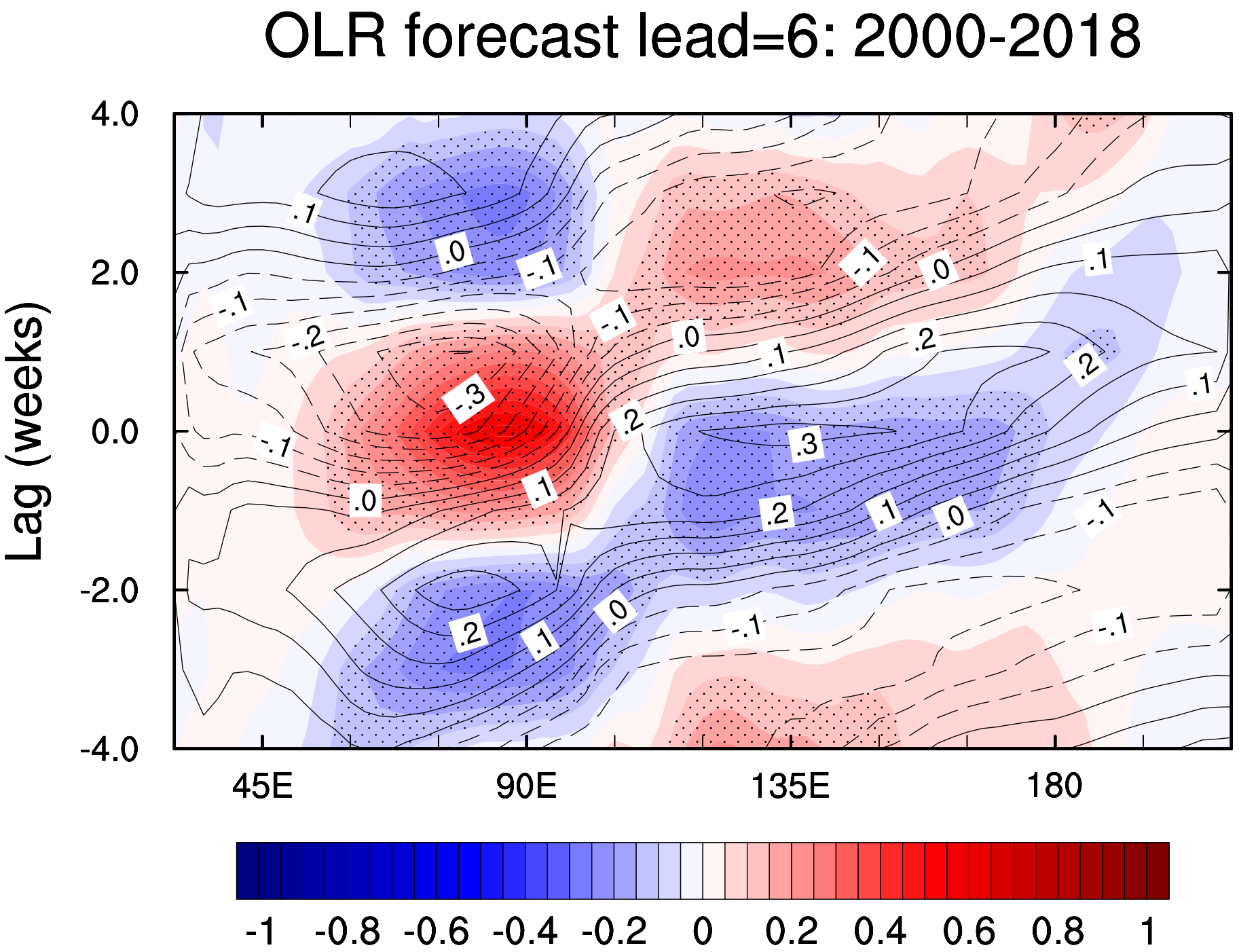
OLR forecast lead=5: 2000-2018

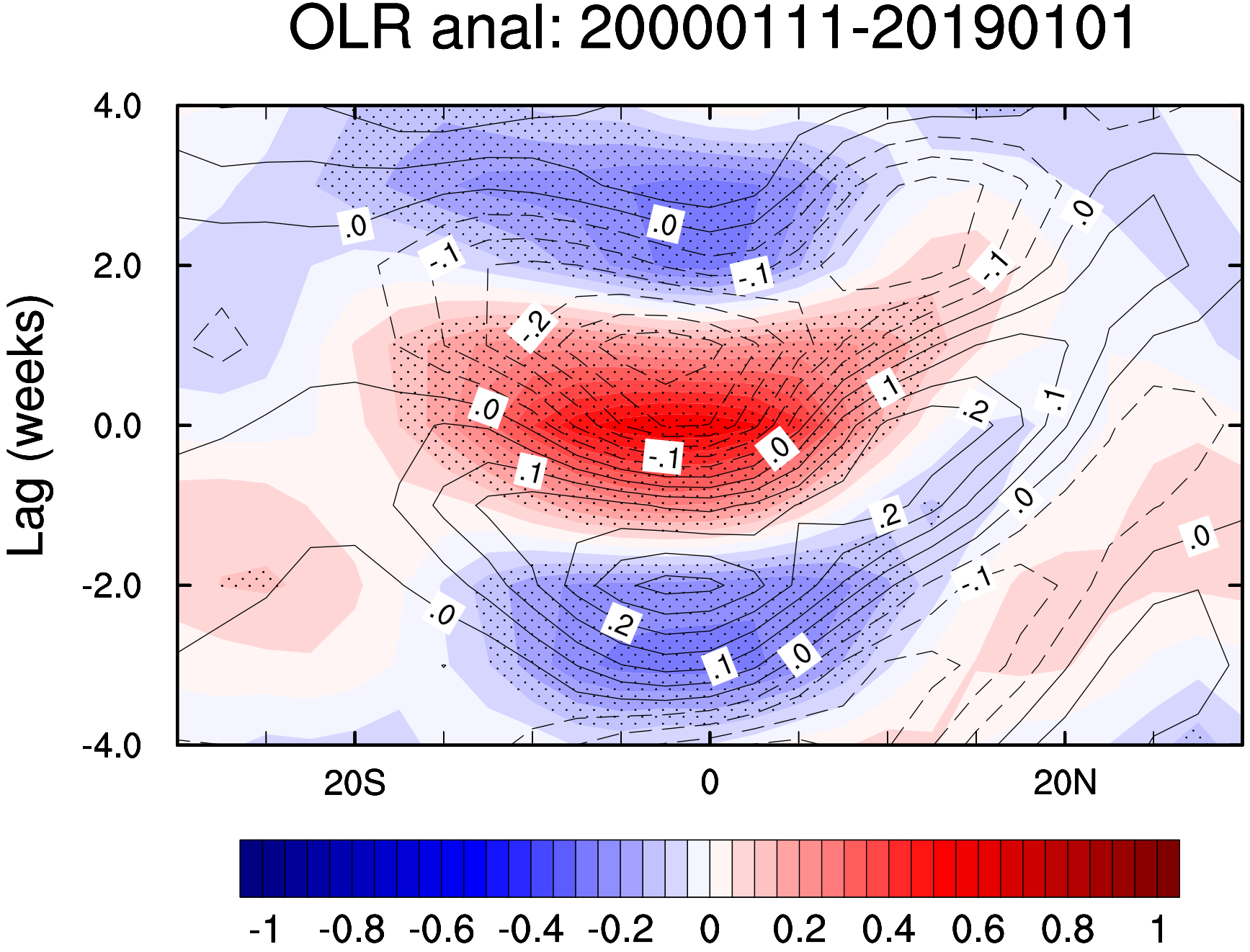


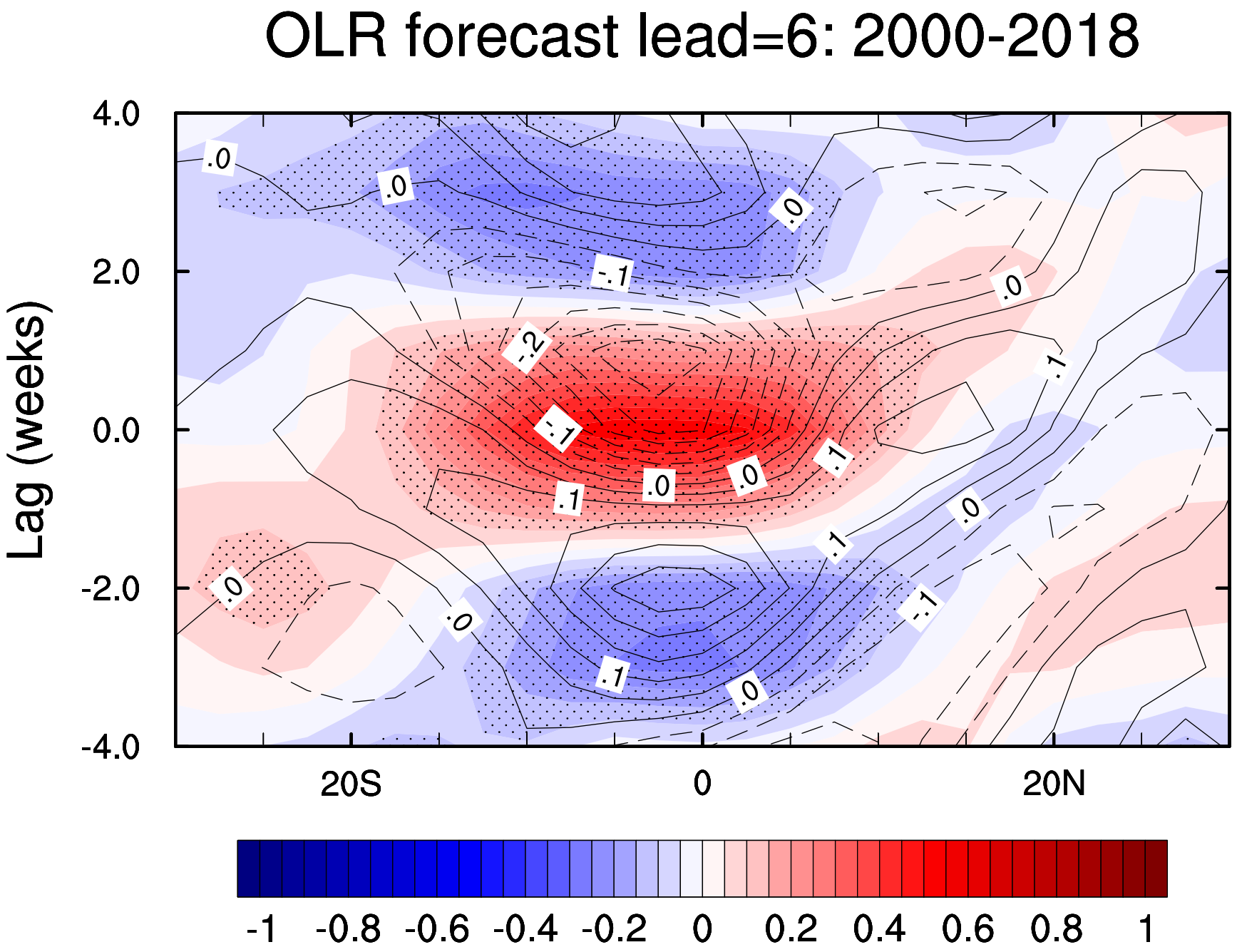

OLR anal: 20000110-20181231
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

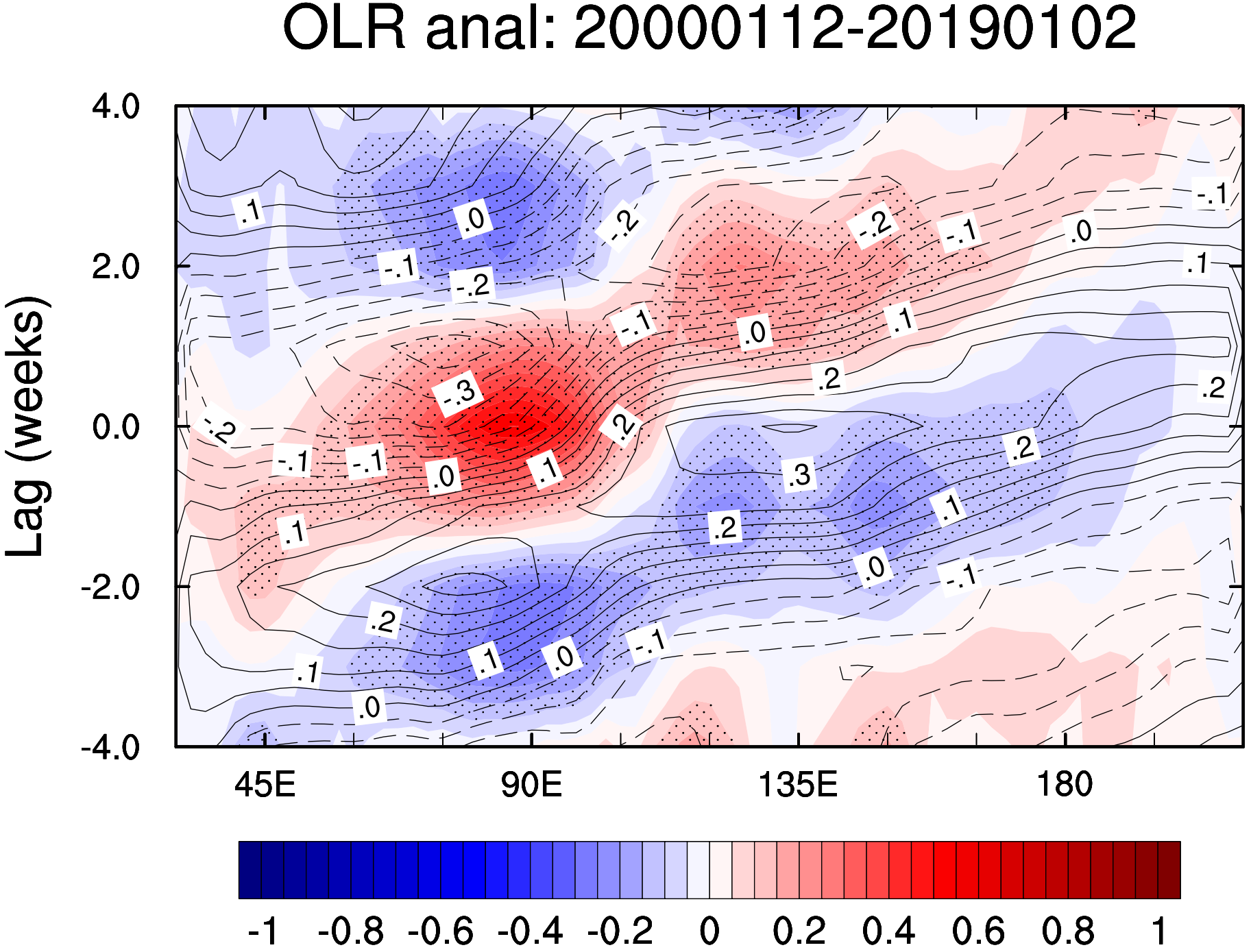

OLR forecast lead=5: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

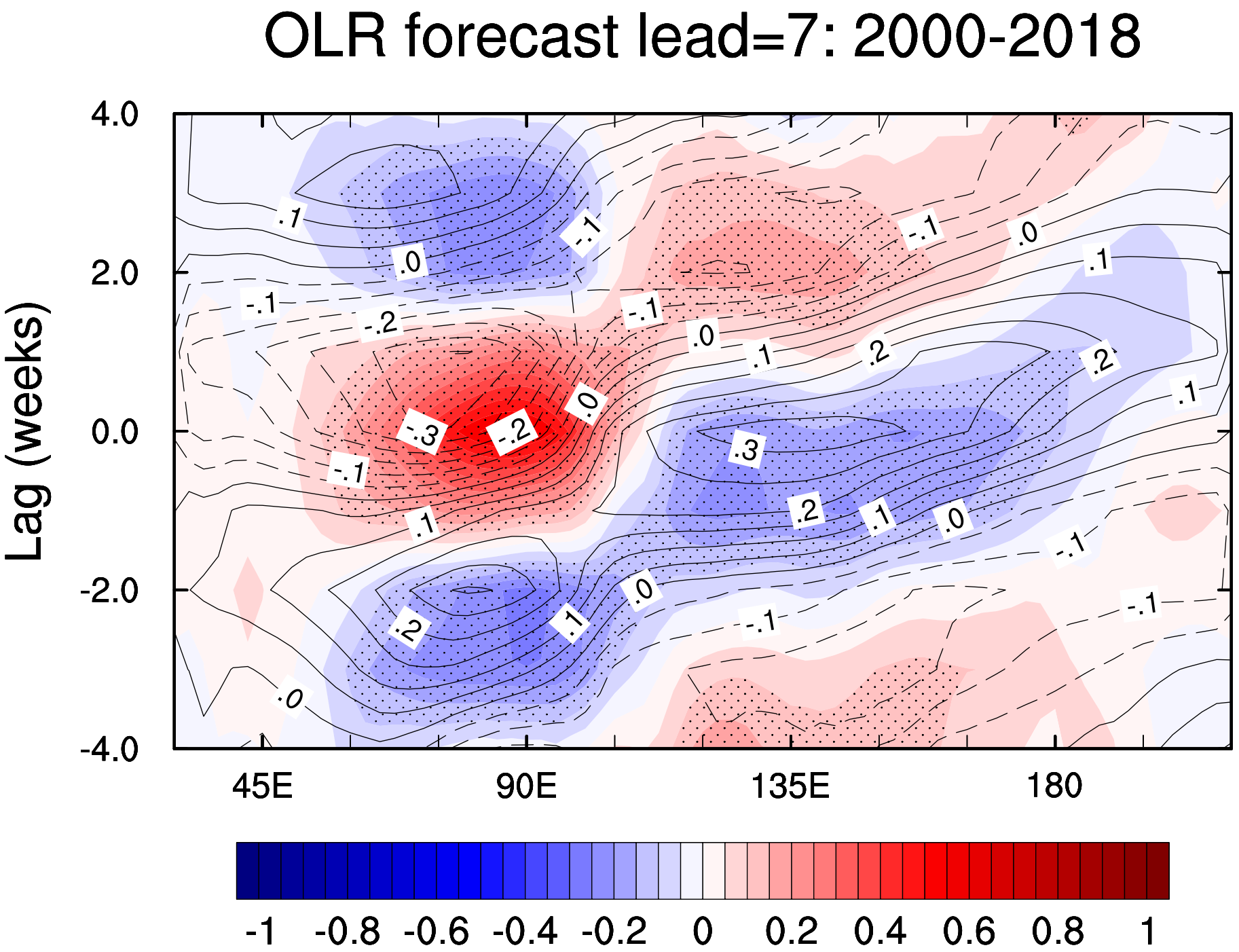

OLR anal: 20000111-20190101
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

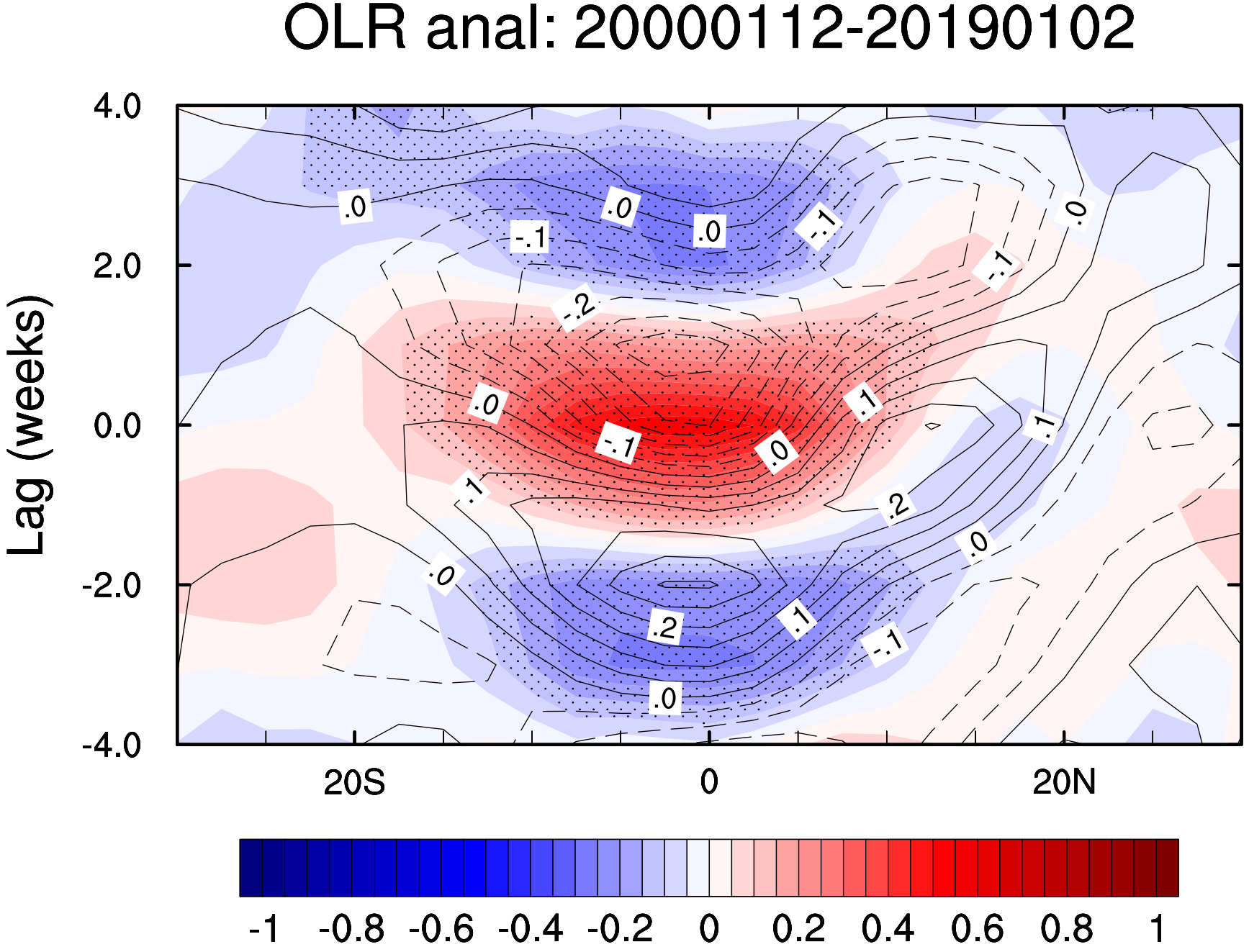

OLR forecast lead=6: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

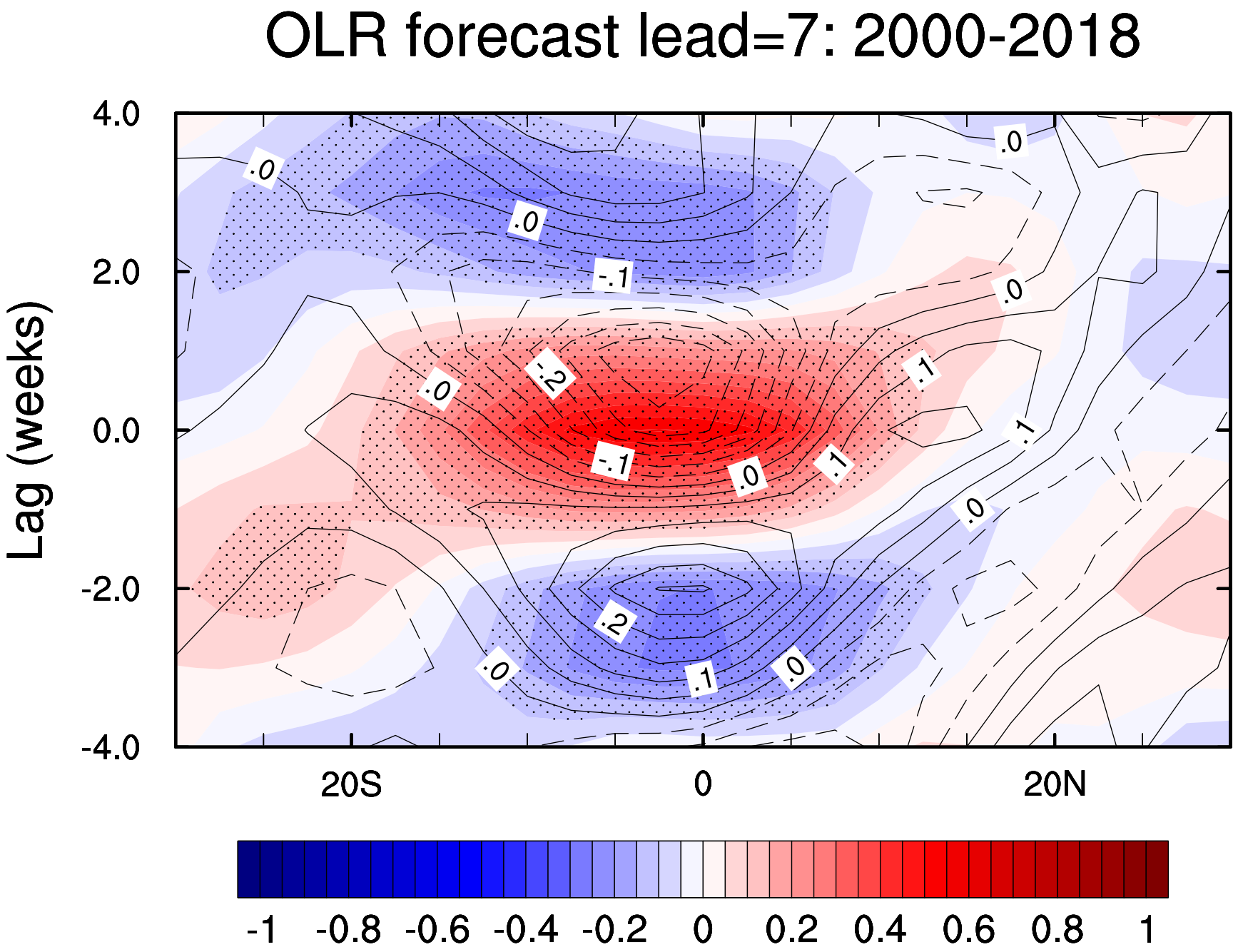

OLR anal: 20000111-20190101
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

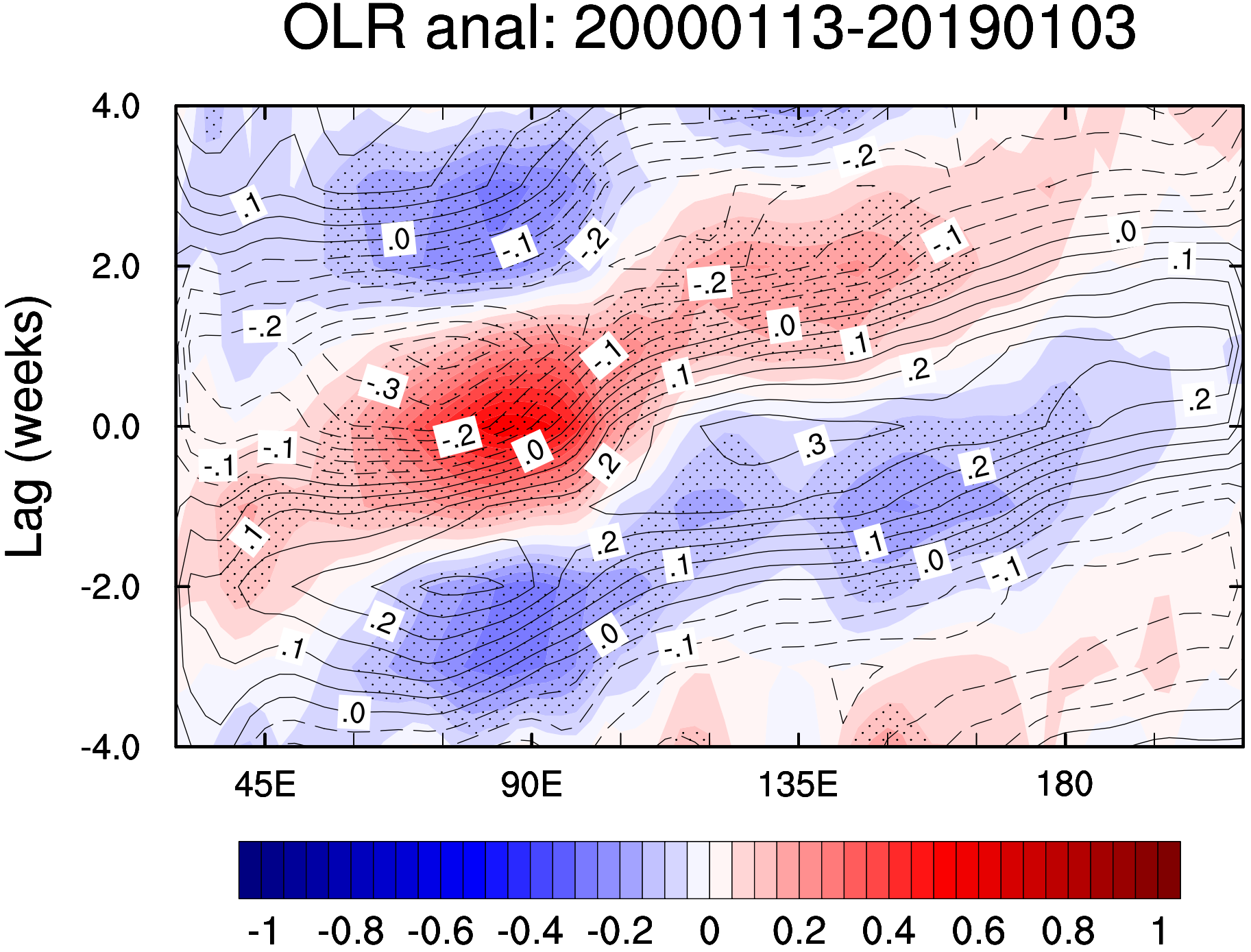

OLR forecast lead=6: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

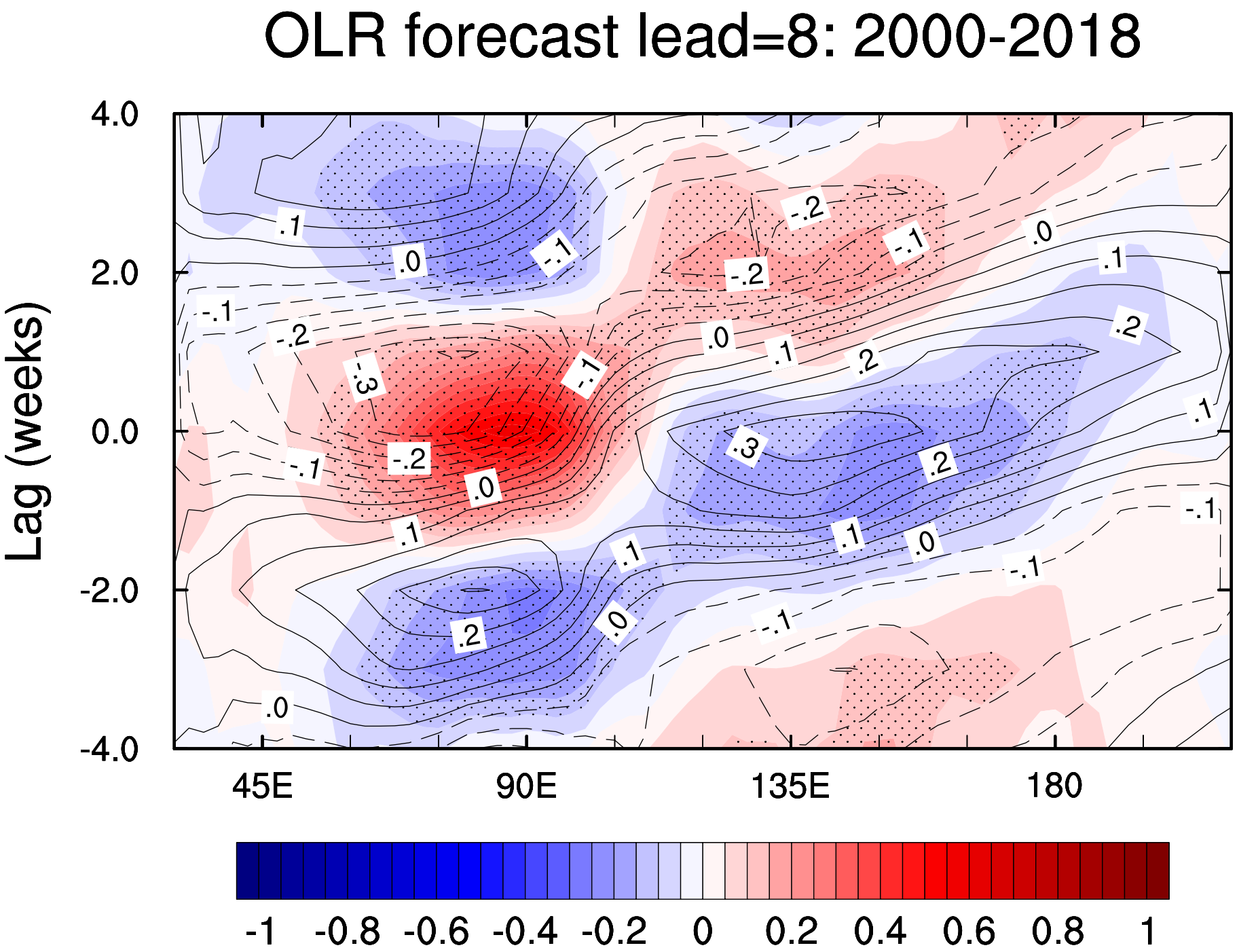

OLR anal: 20000112-20190102
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

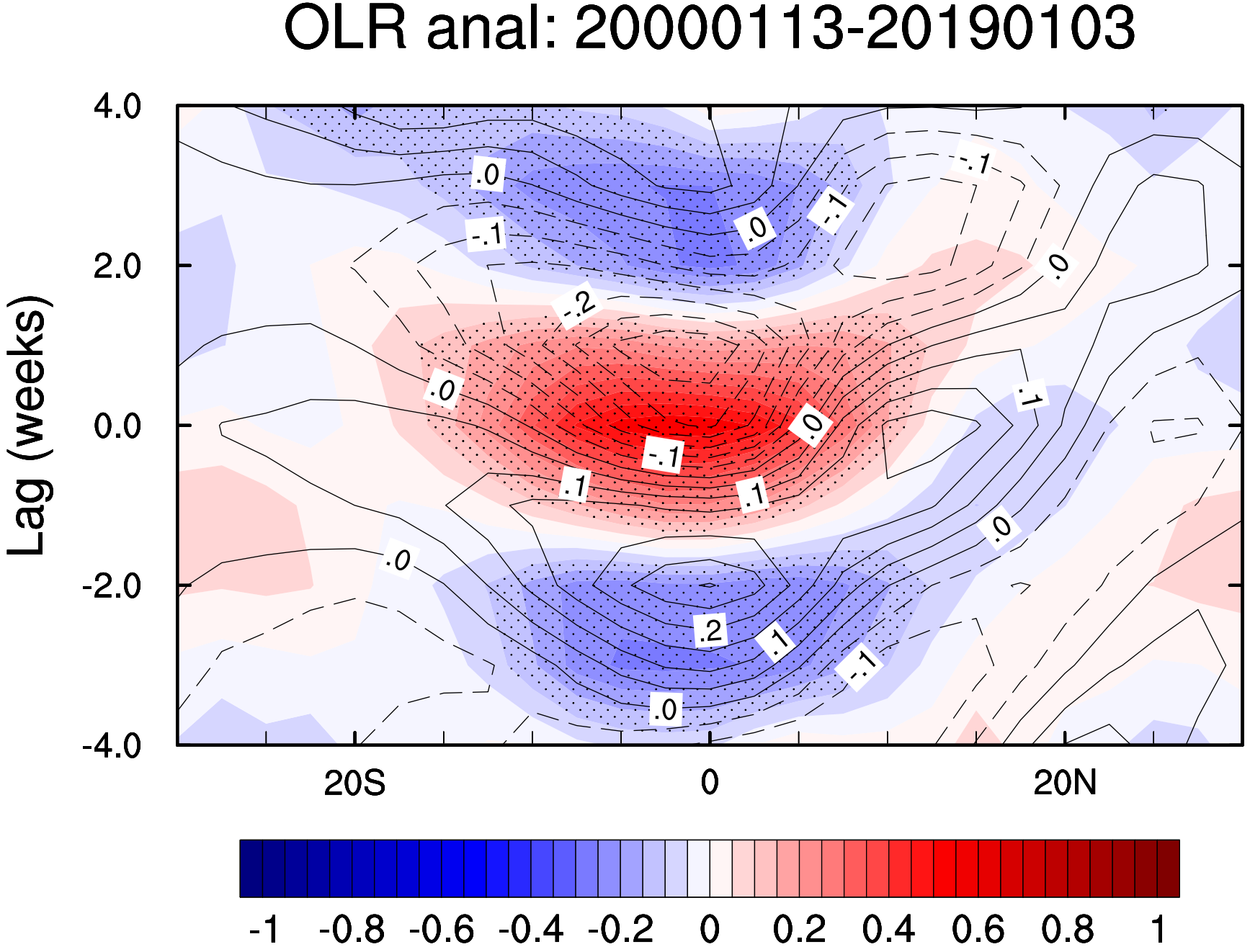

OLR forecast lead=7: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

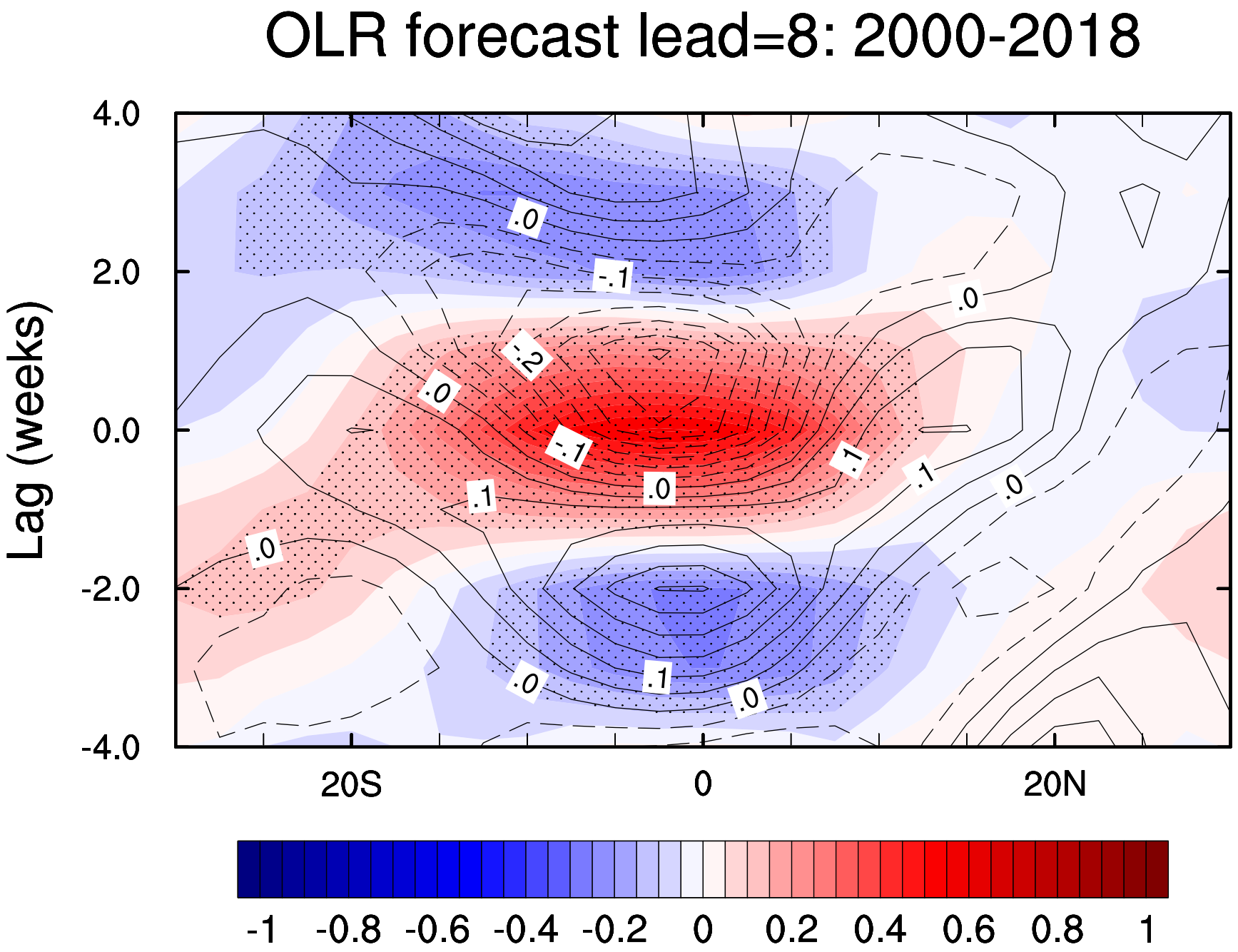

OLR anal: 20000112-20190102
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

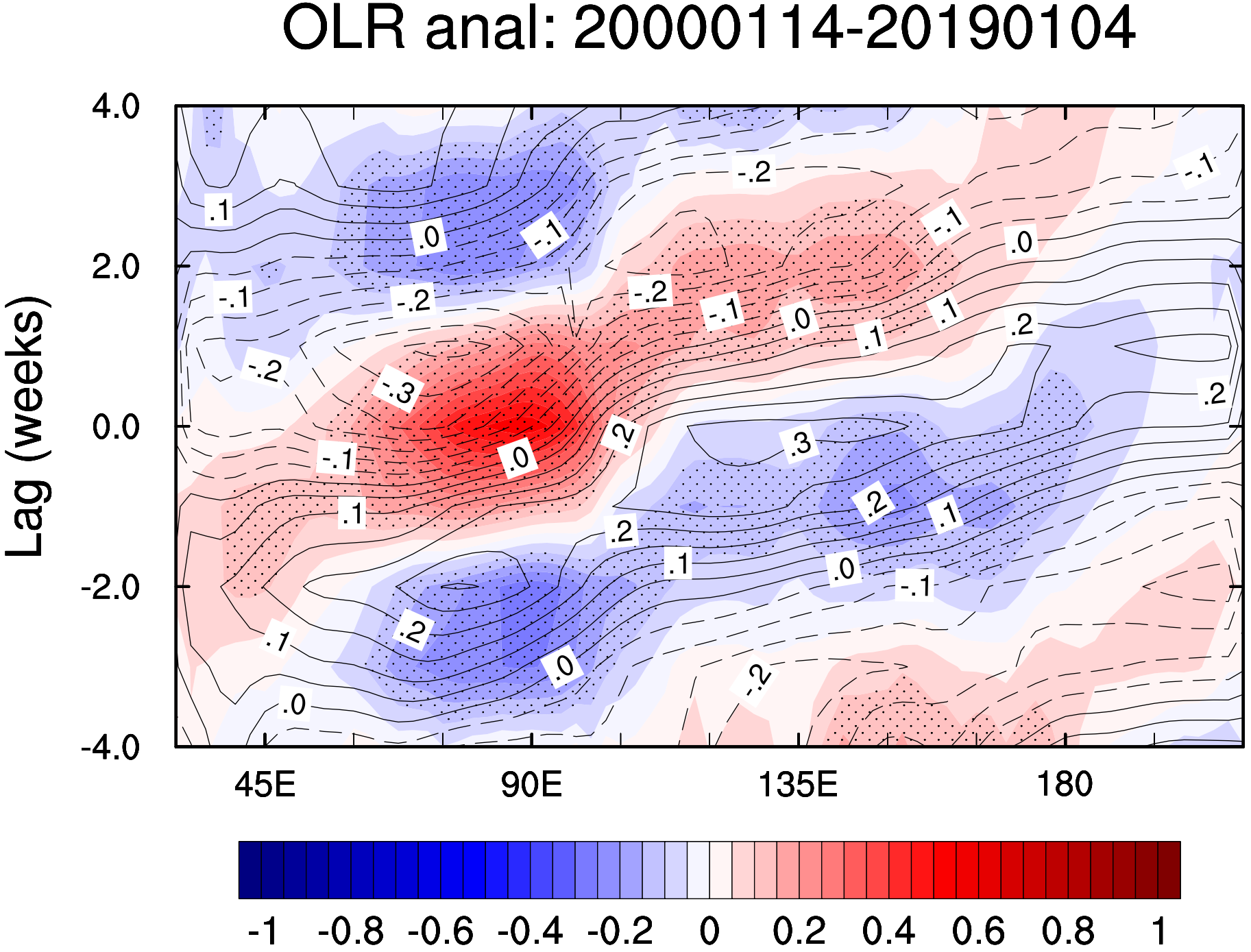

OLR forecast lead=7: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

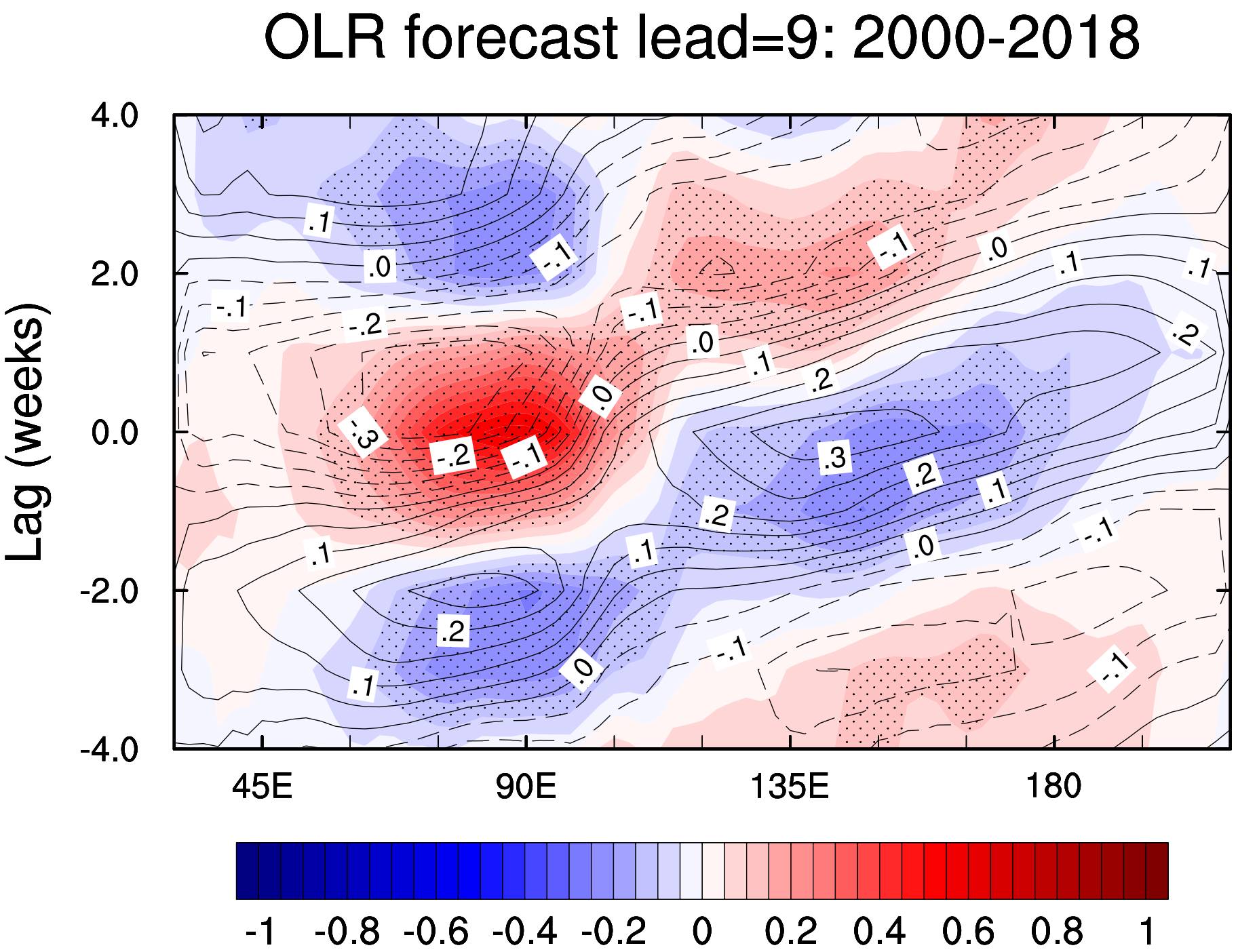

OLR anal: 20000113-20190103
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

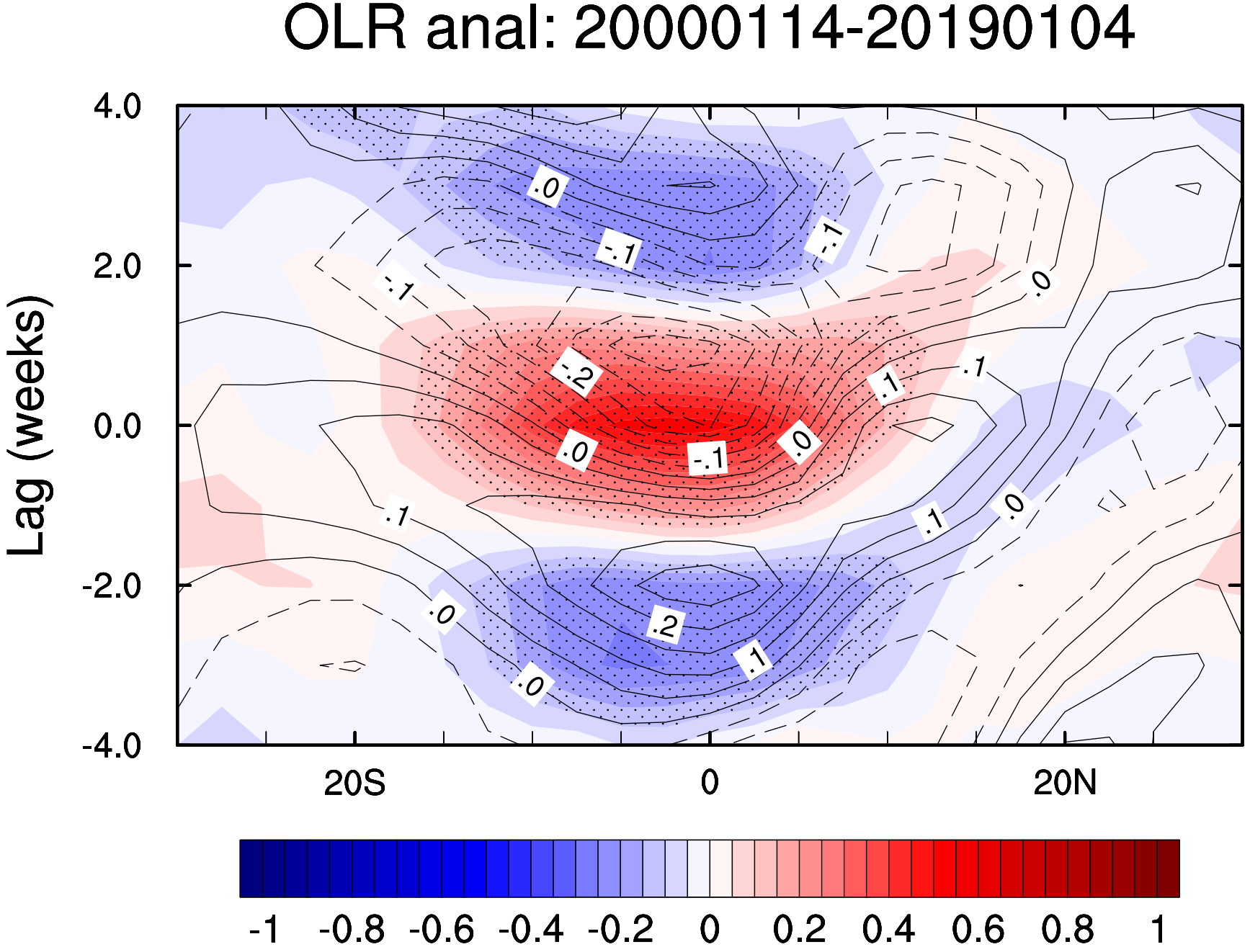

OLR forecast lead=8: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

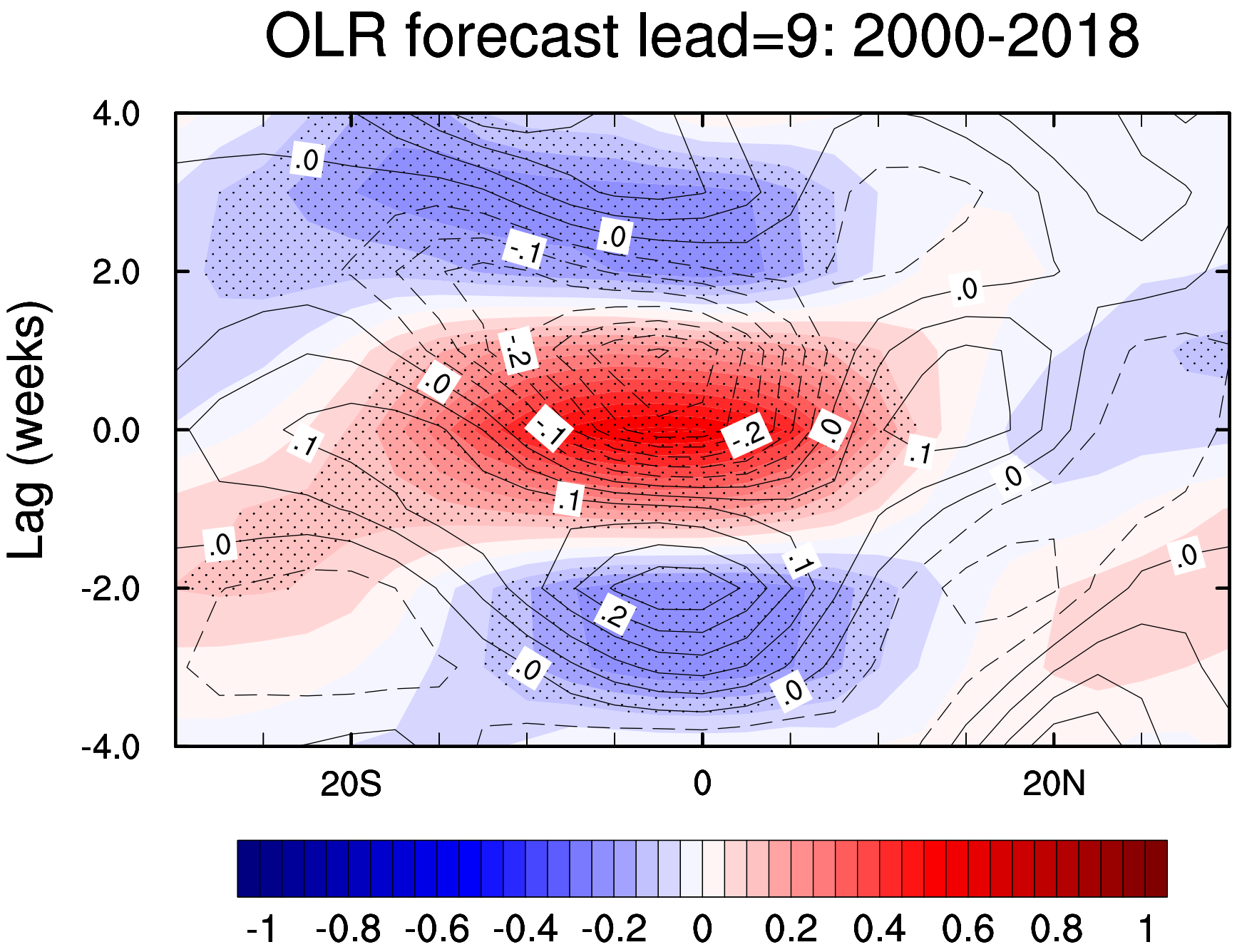

OLR anal: 20000113-20190103
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

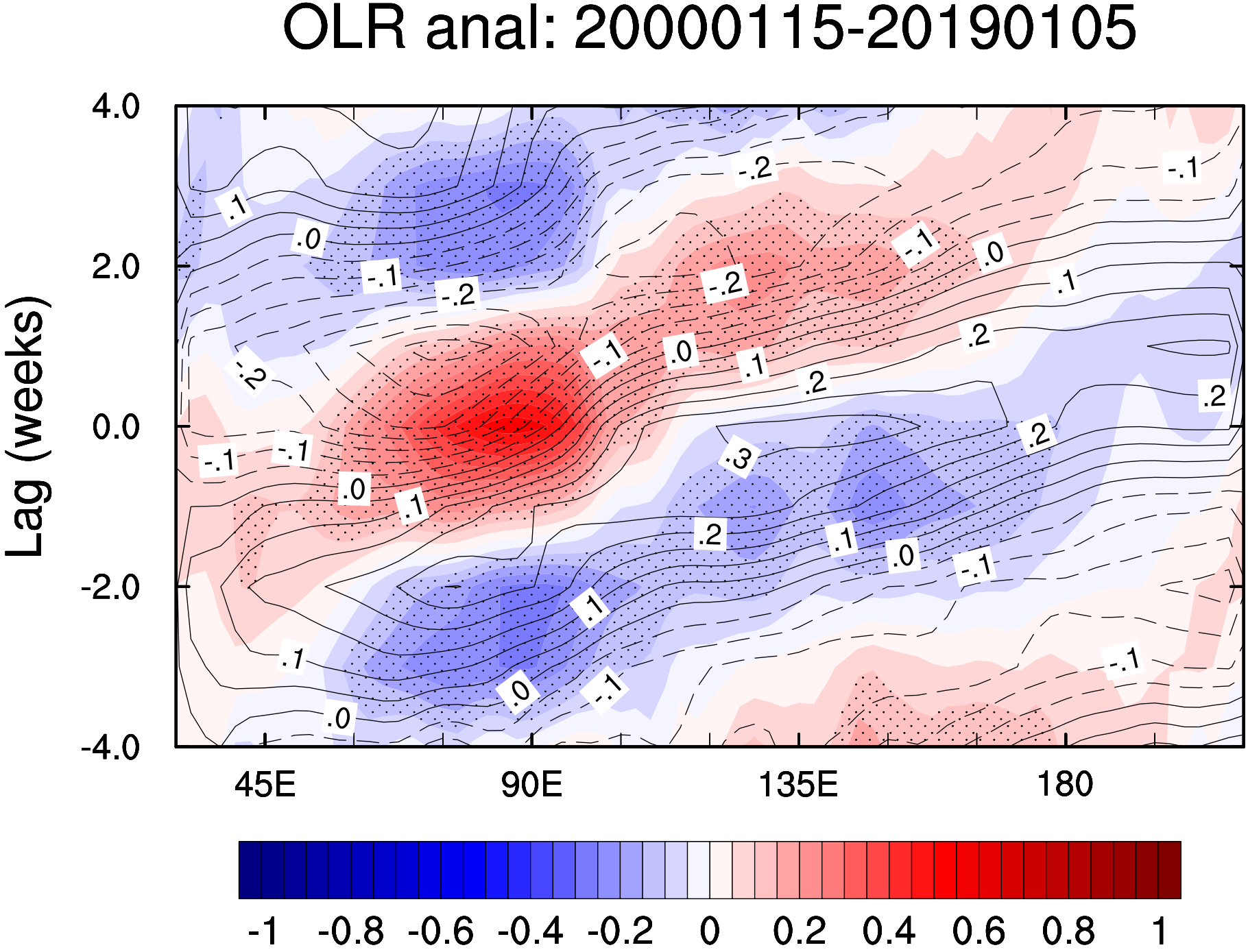

OLR forecast lead=8: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
.0
-.1
-.2
.1
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

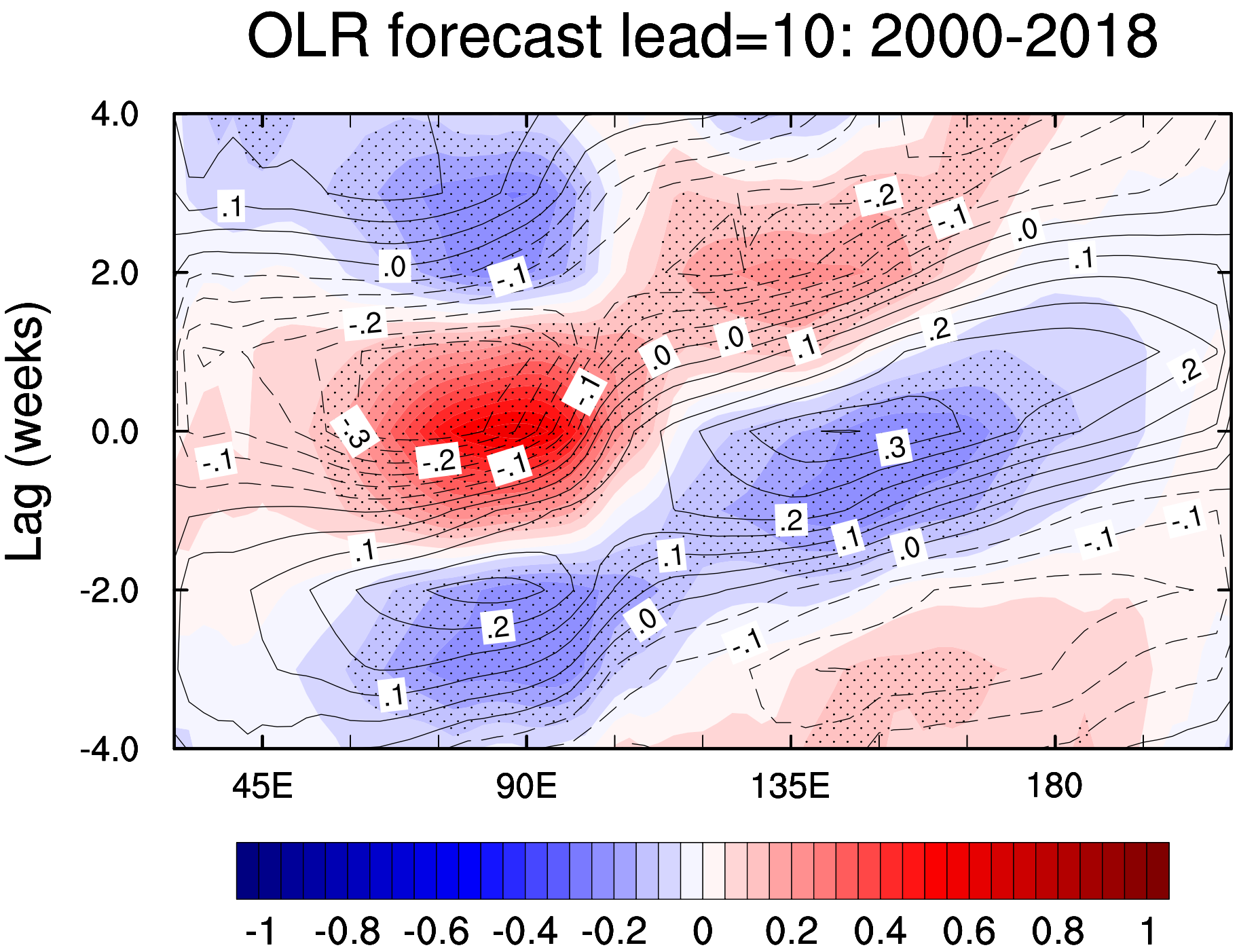

OLR anal: 20000114-20190104
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

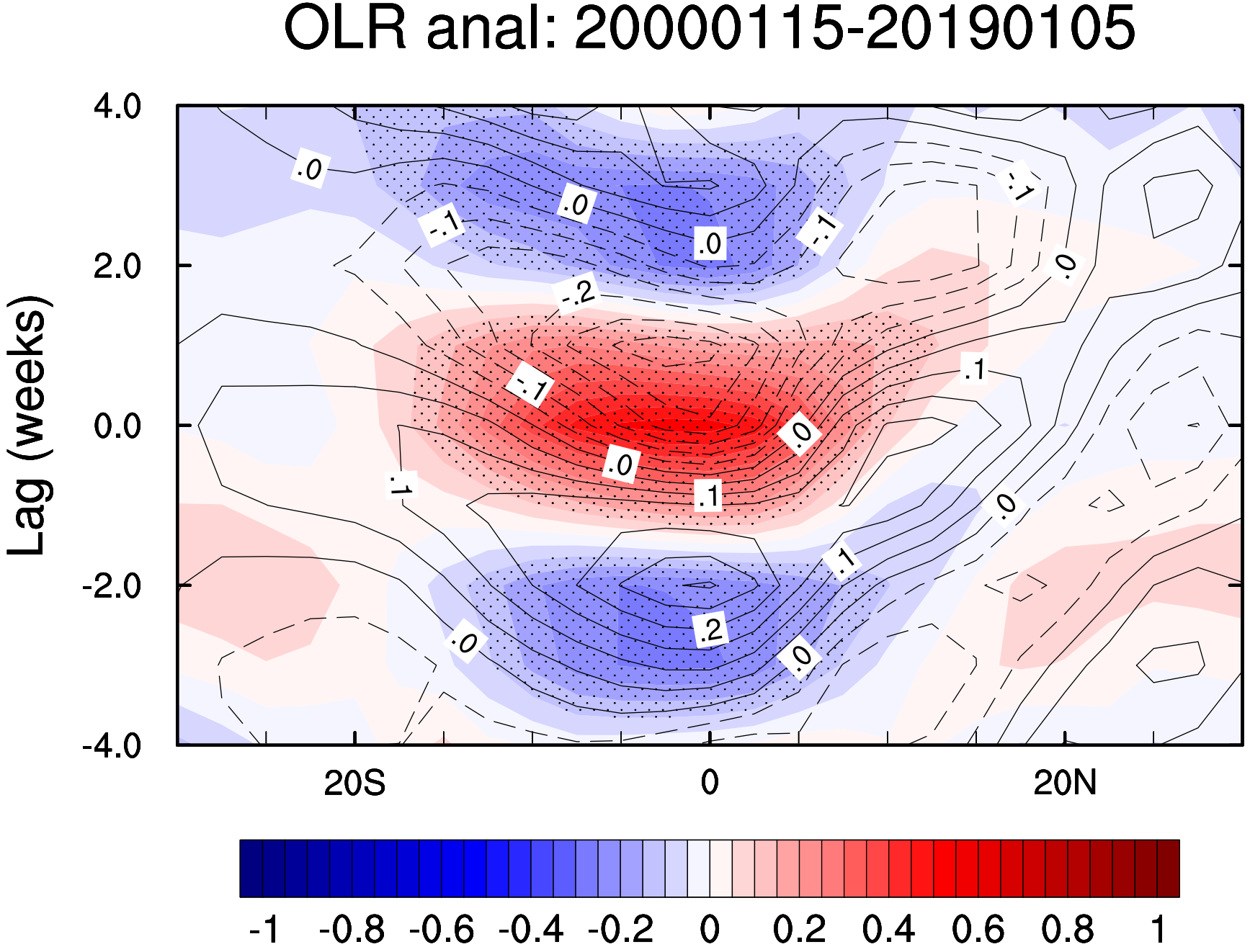

OLR forecast lead=9: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

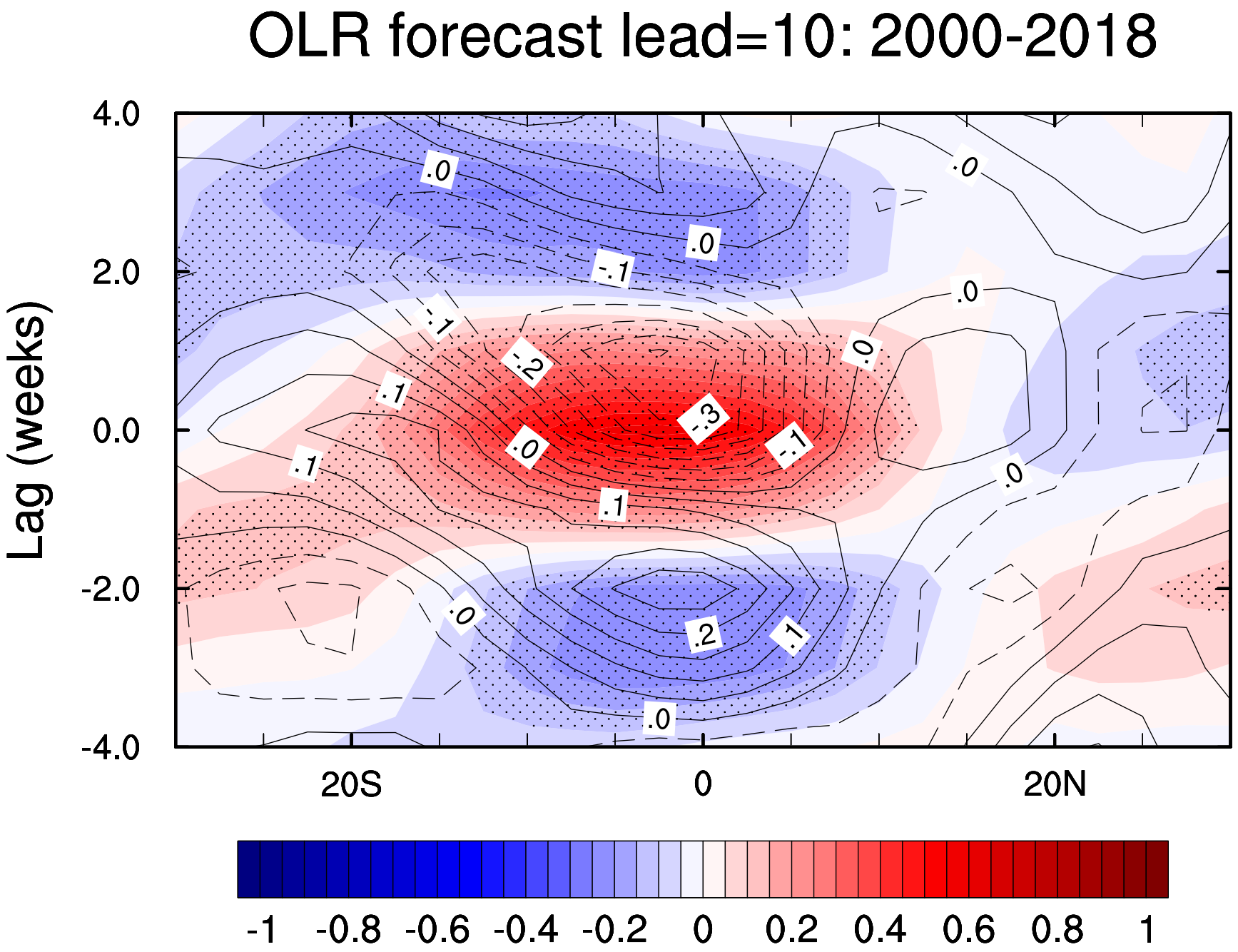

OLR anal: 20000114-20190104
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

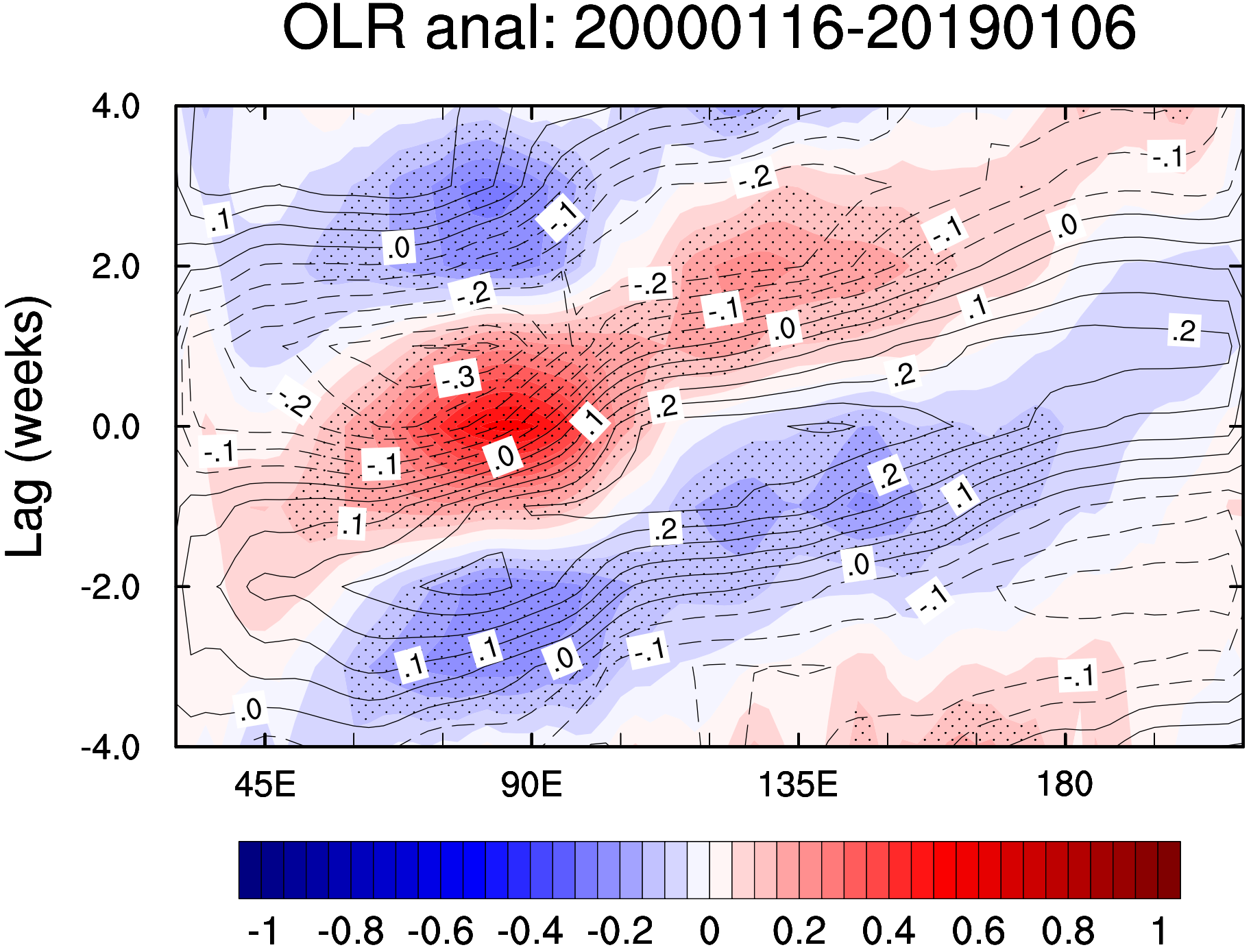

OLR forecast lead=9: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1


OLR anal: 20000115-20190105
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

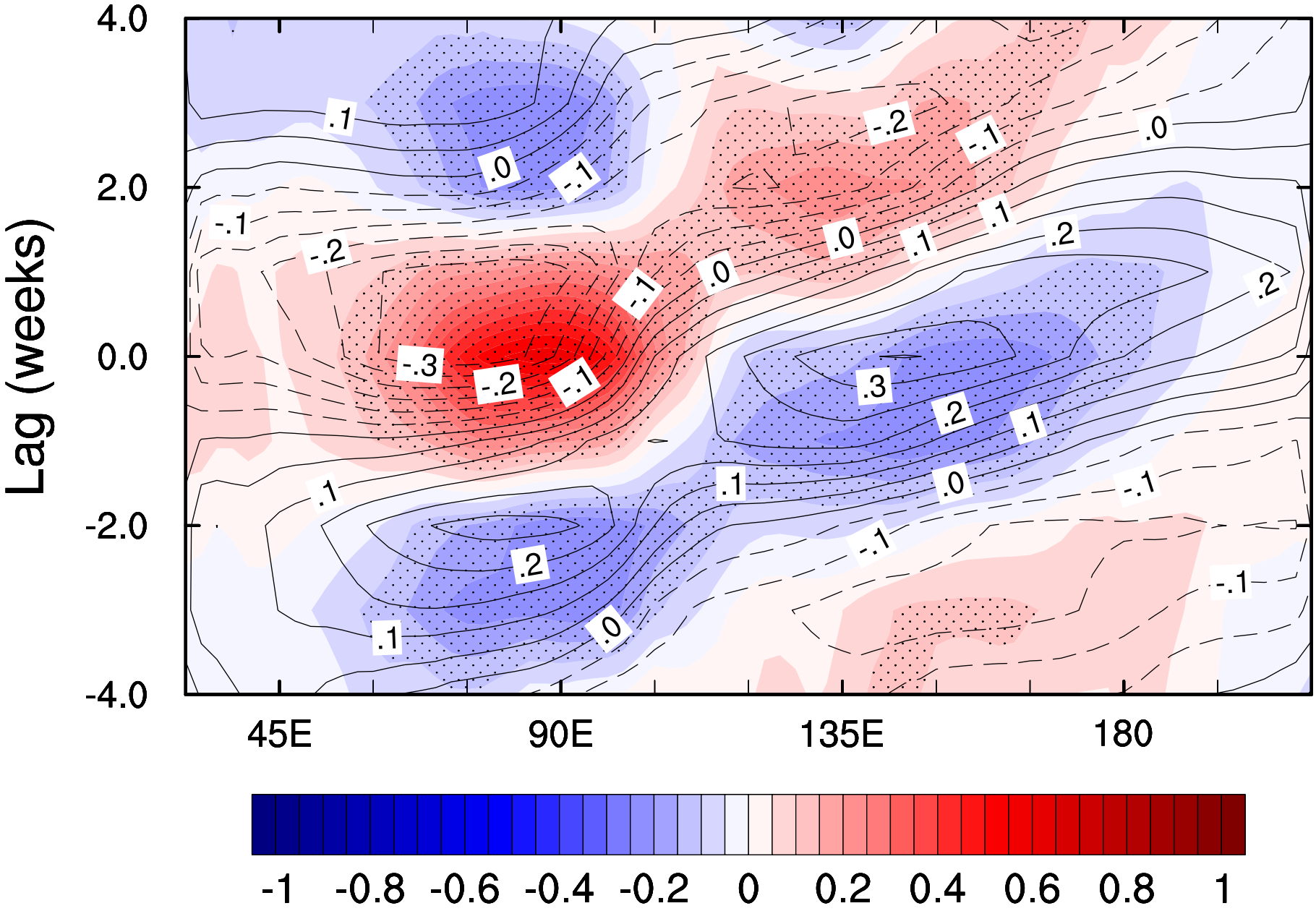

OLR forecast lead=10: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

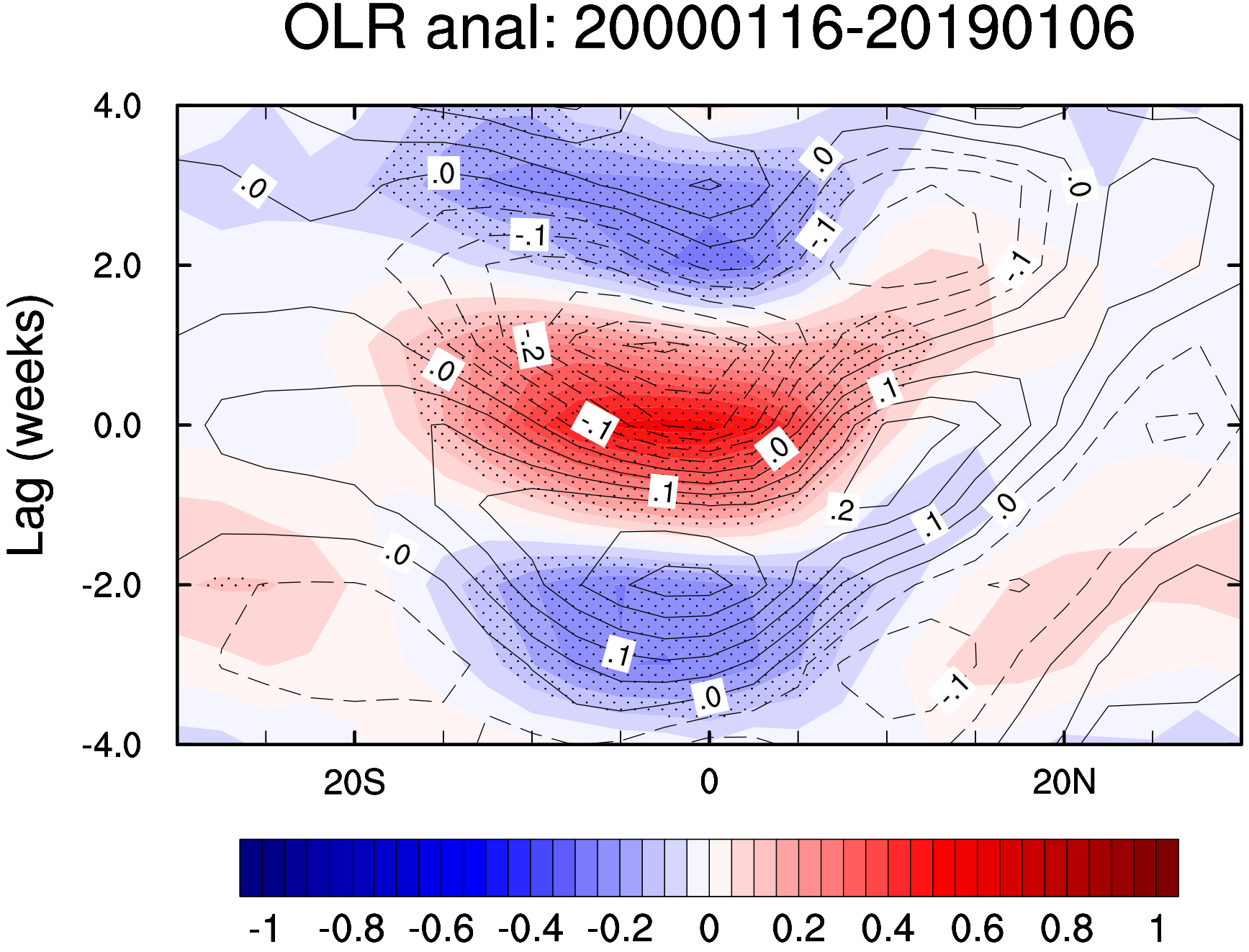

OLR anal: 20000115-20190105
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

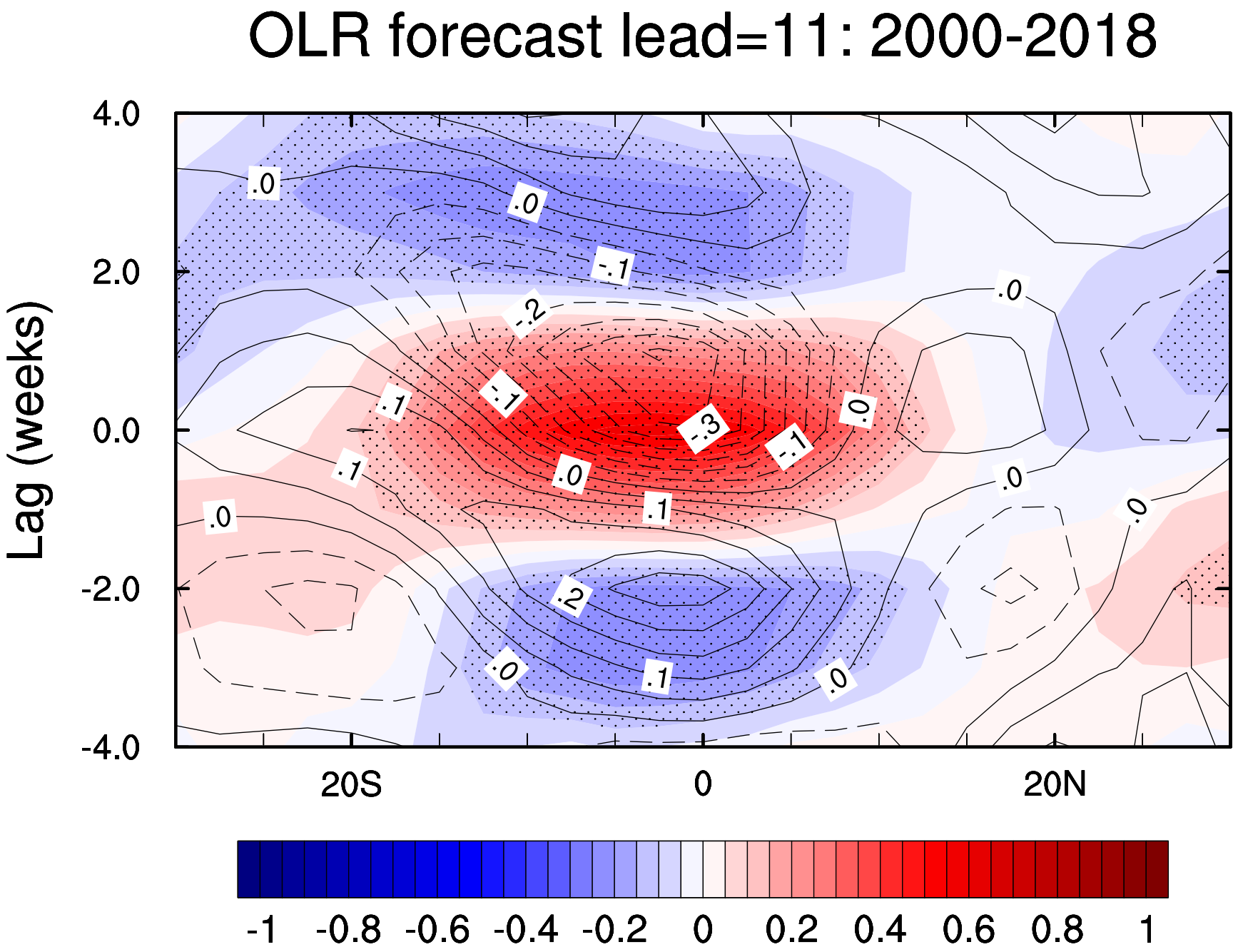

OLR forecast lead=10: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
.0
.0
.0
-.1
.0
-.1
-.2
.0
.1
-.3
-.1
.1
.0
.1
.0
.2
.1
.0
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

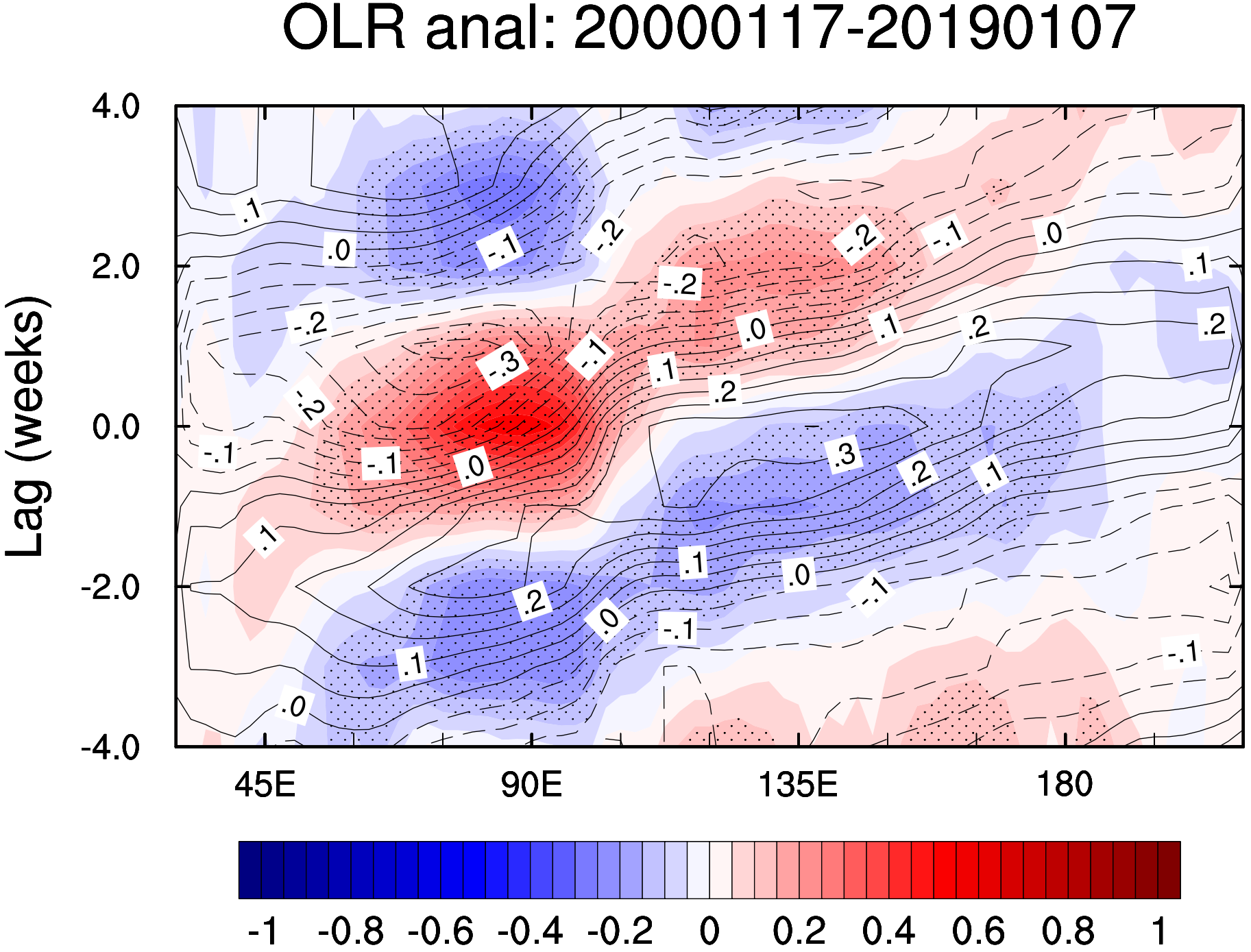

OLR anal: 20000116-20190106
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

OLR forecast lead=11: 2000-2018

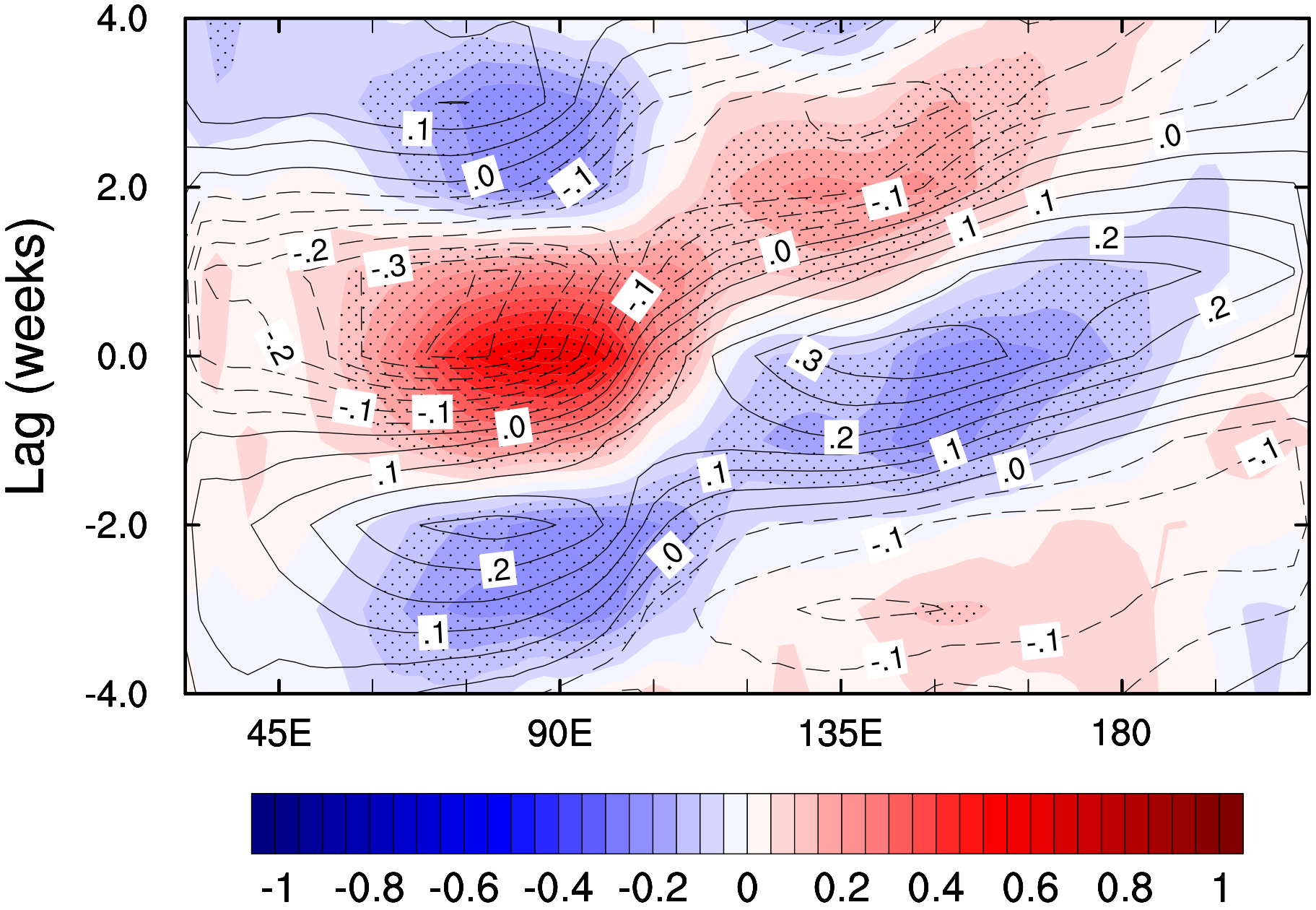


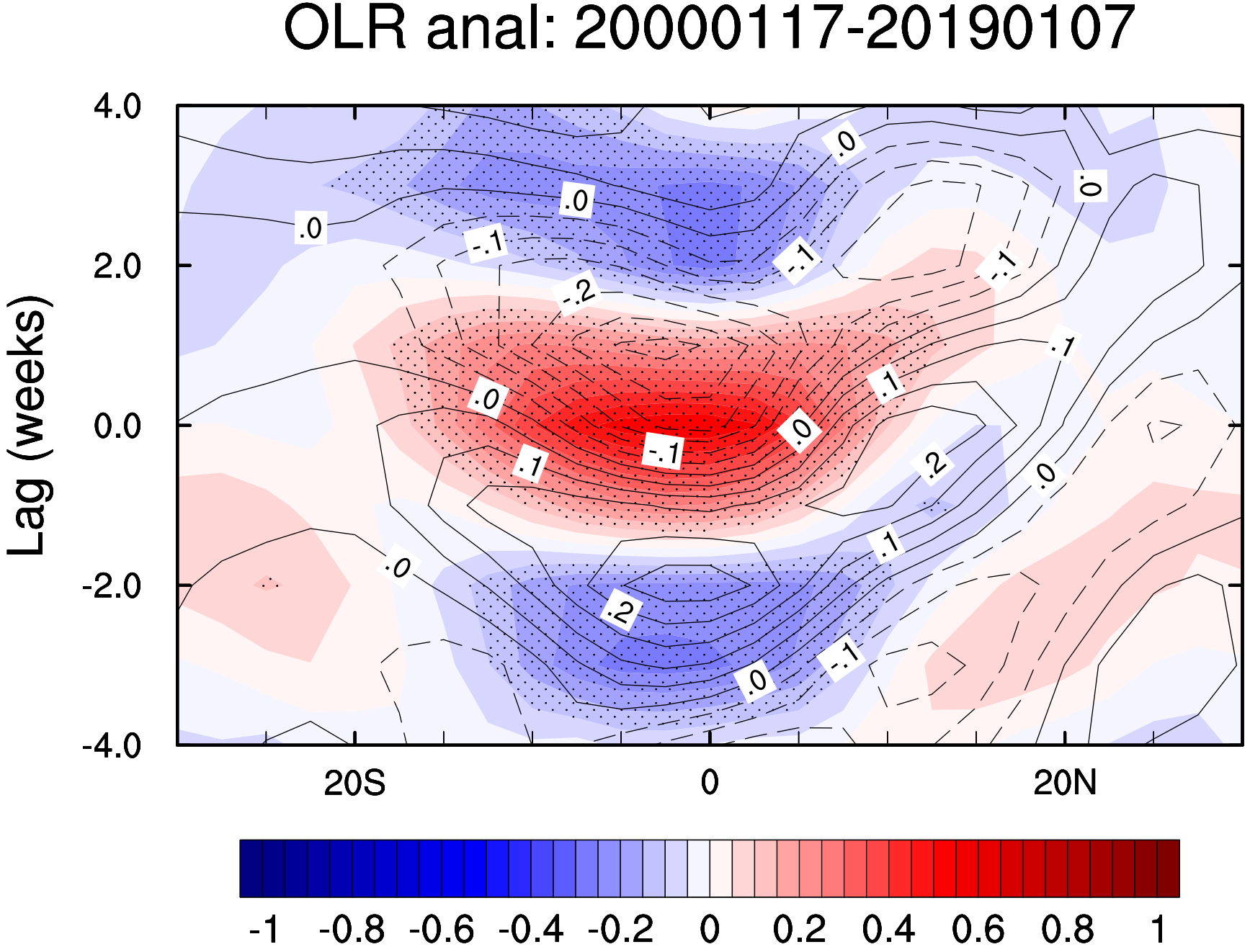

OLR anal: 20000116-20190106
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

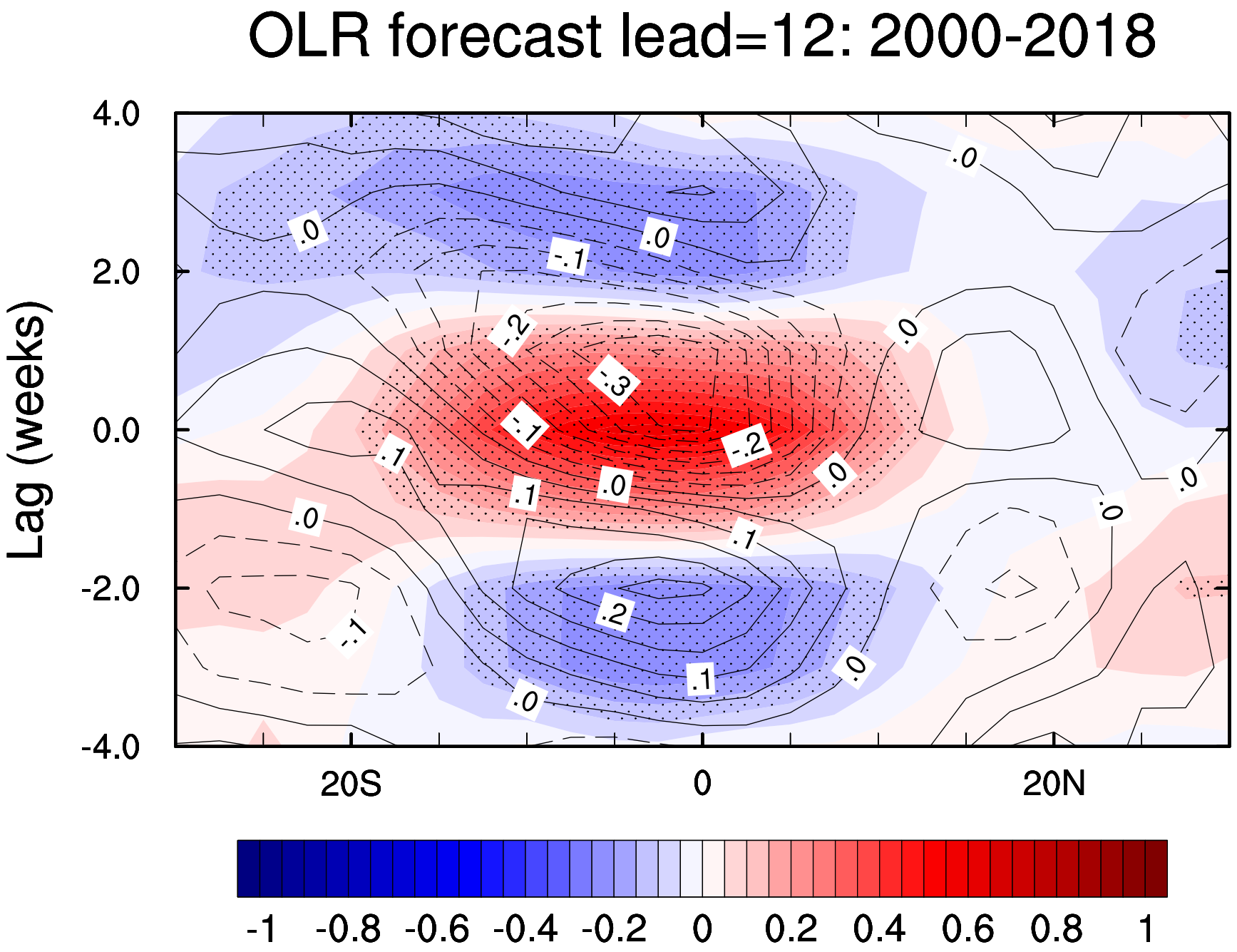

OLR forecast lead=11: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

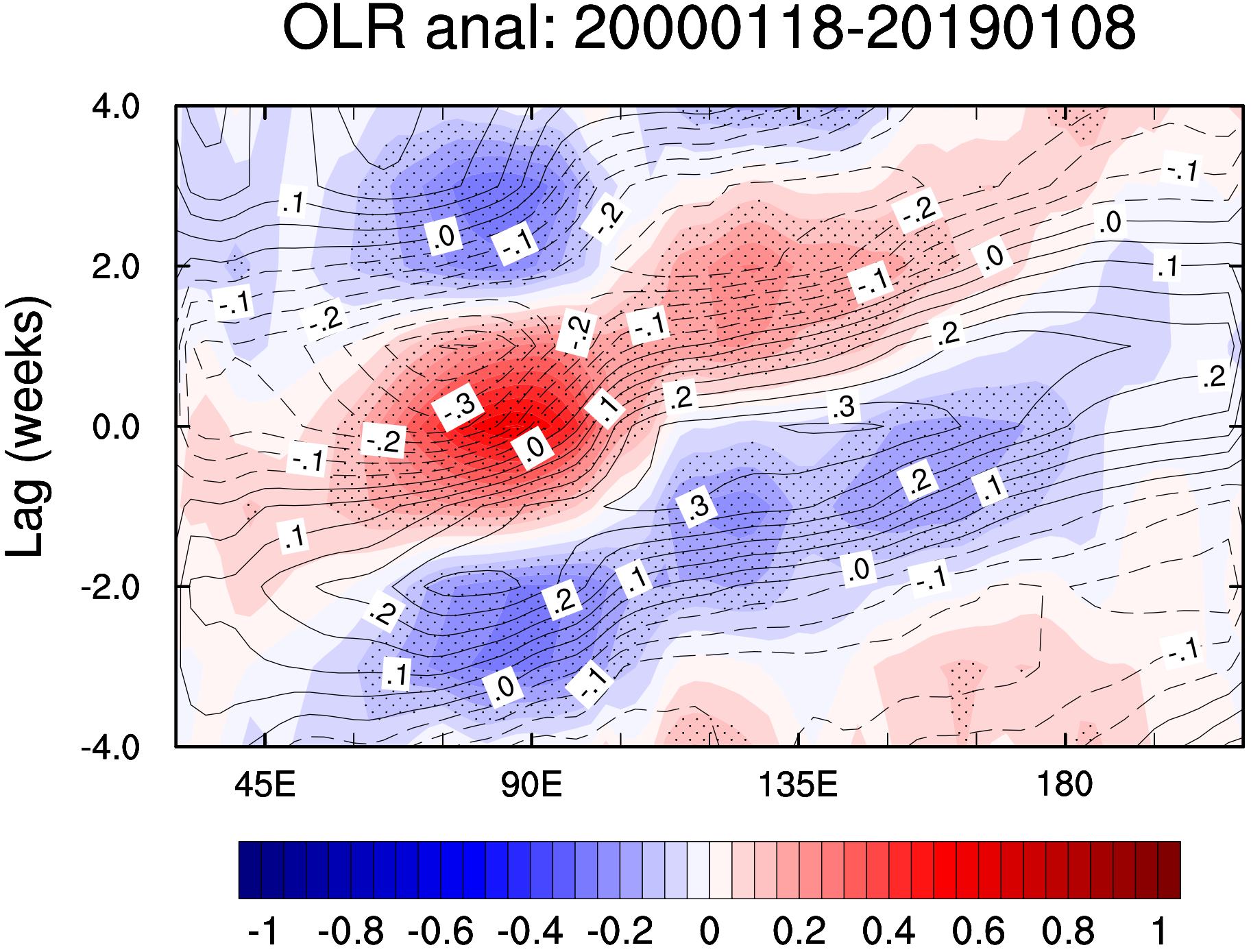

OLR anal: 20000117-20190107
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

OLR forecast lead=12: 2000-2018

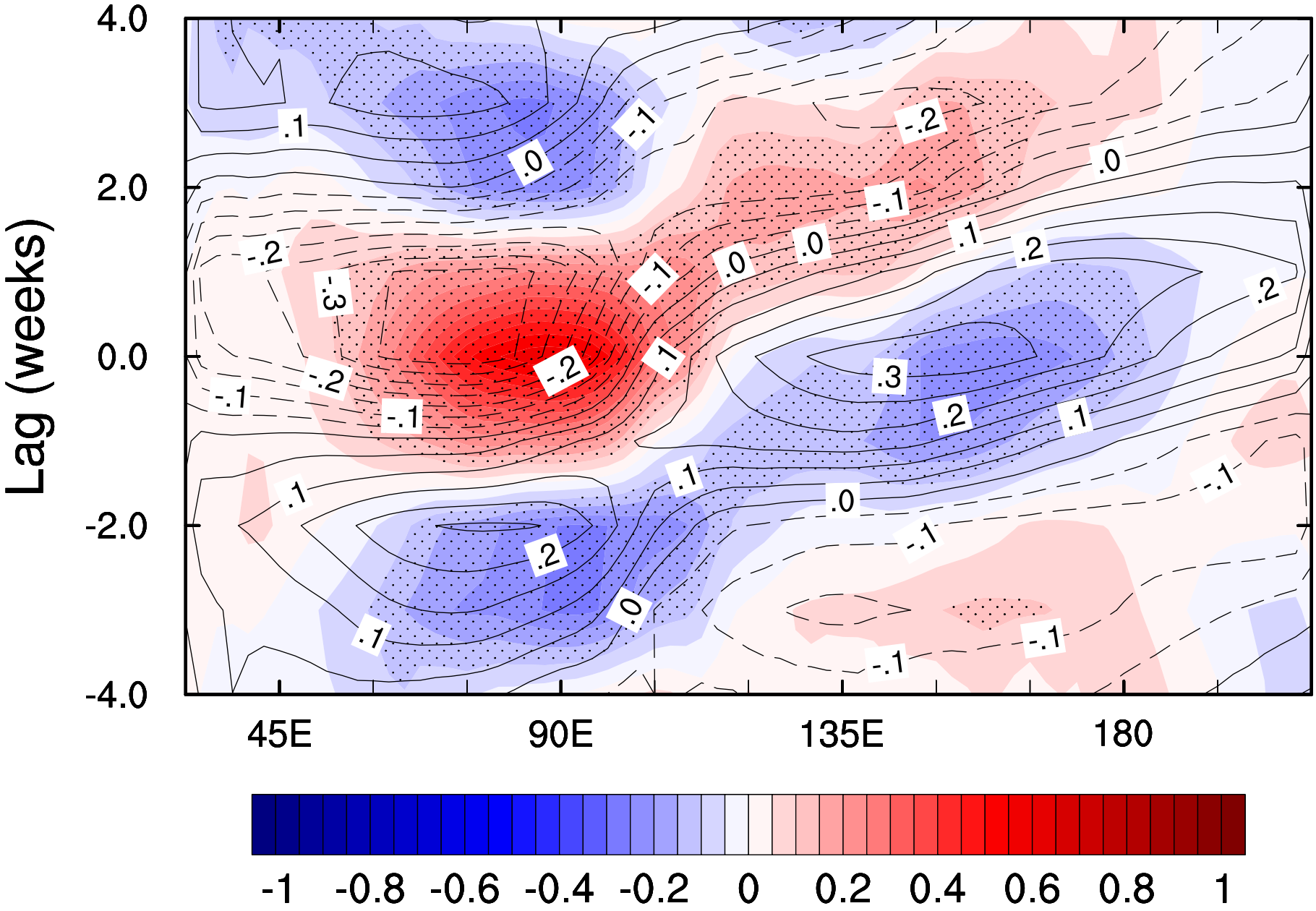


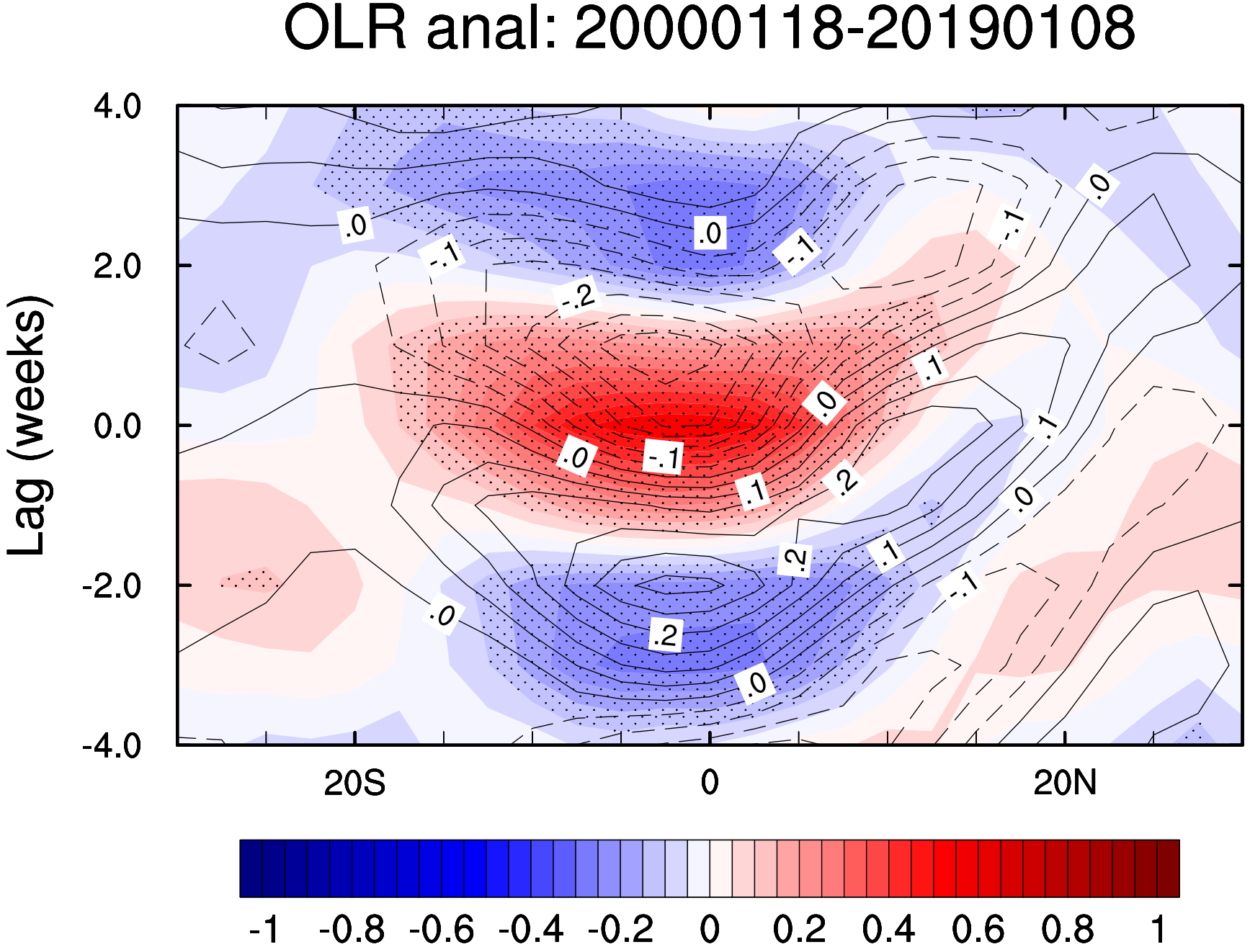

OLR anal: 20000117-20190107
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

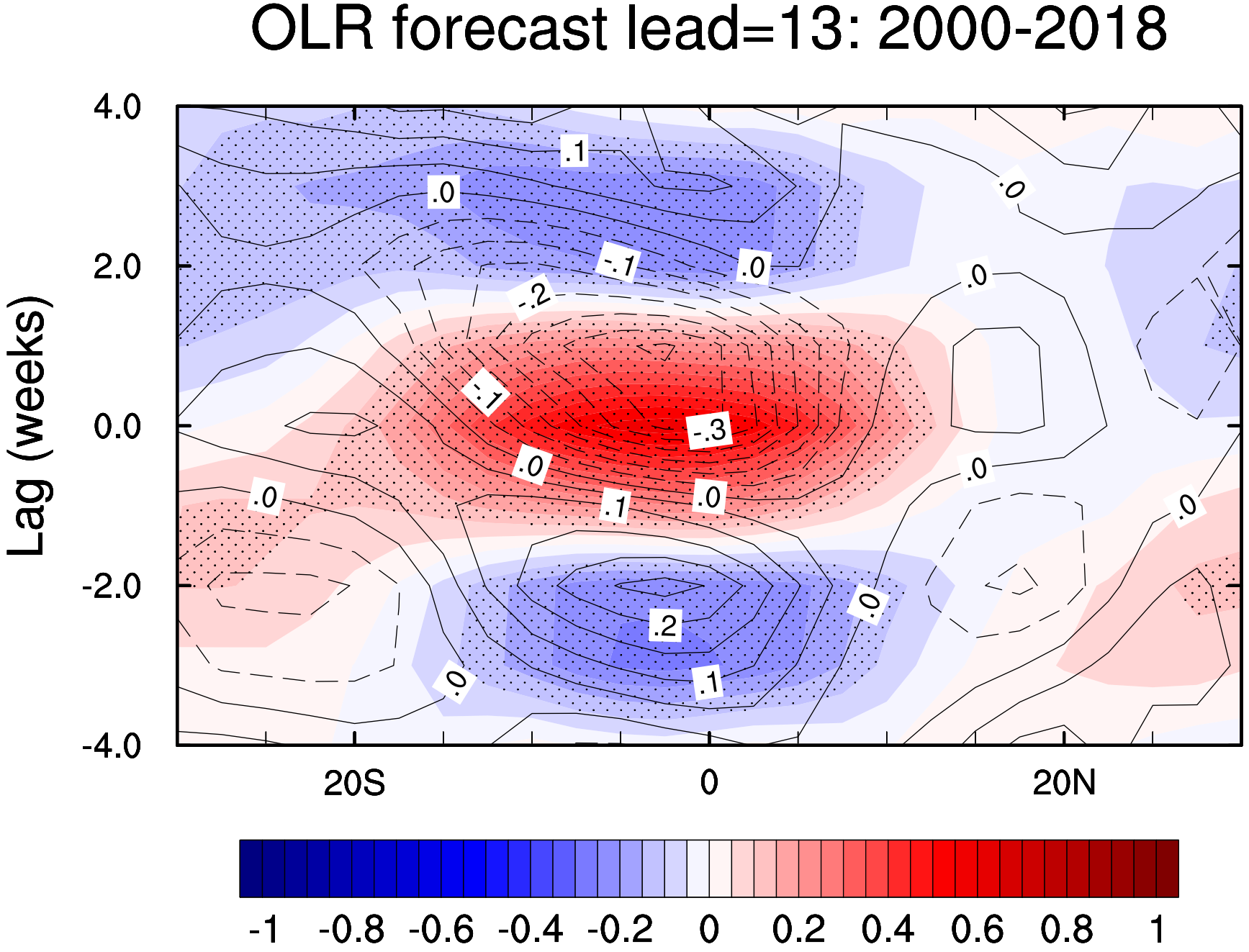

OLR forecast lead=12: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

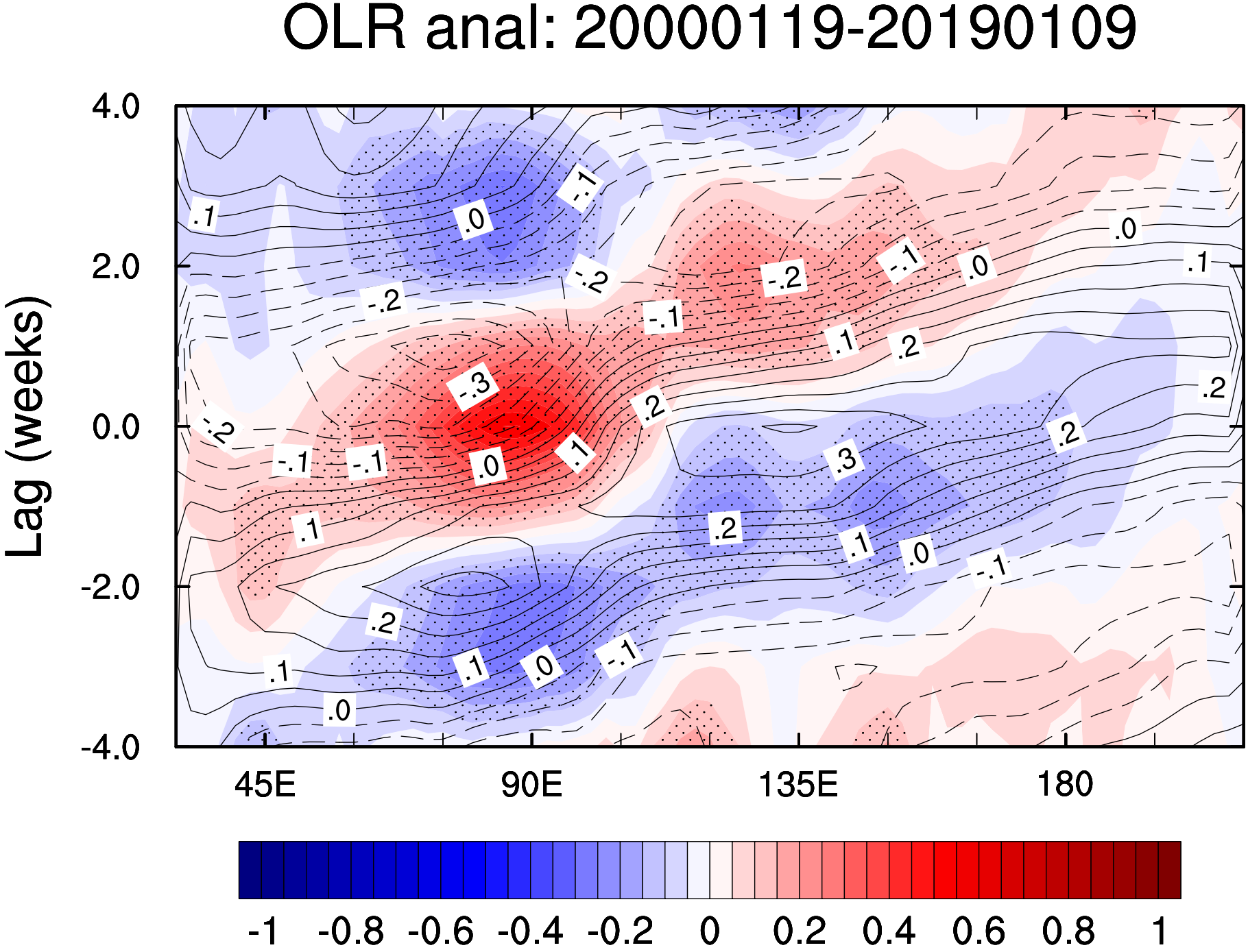

OLR anal: 20000118-20190108
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

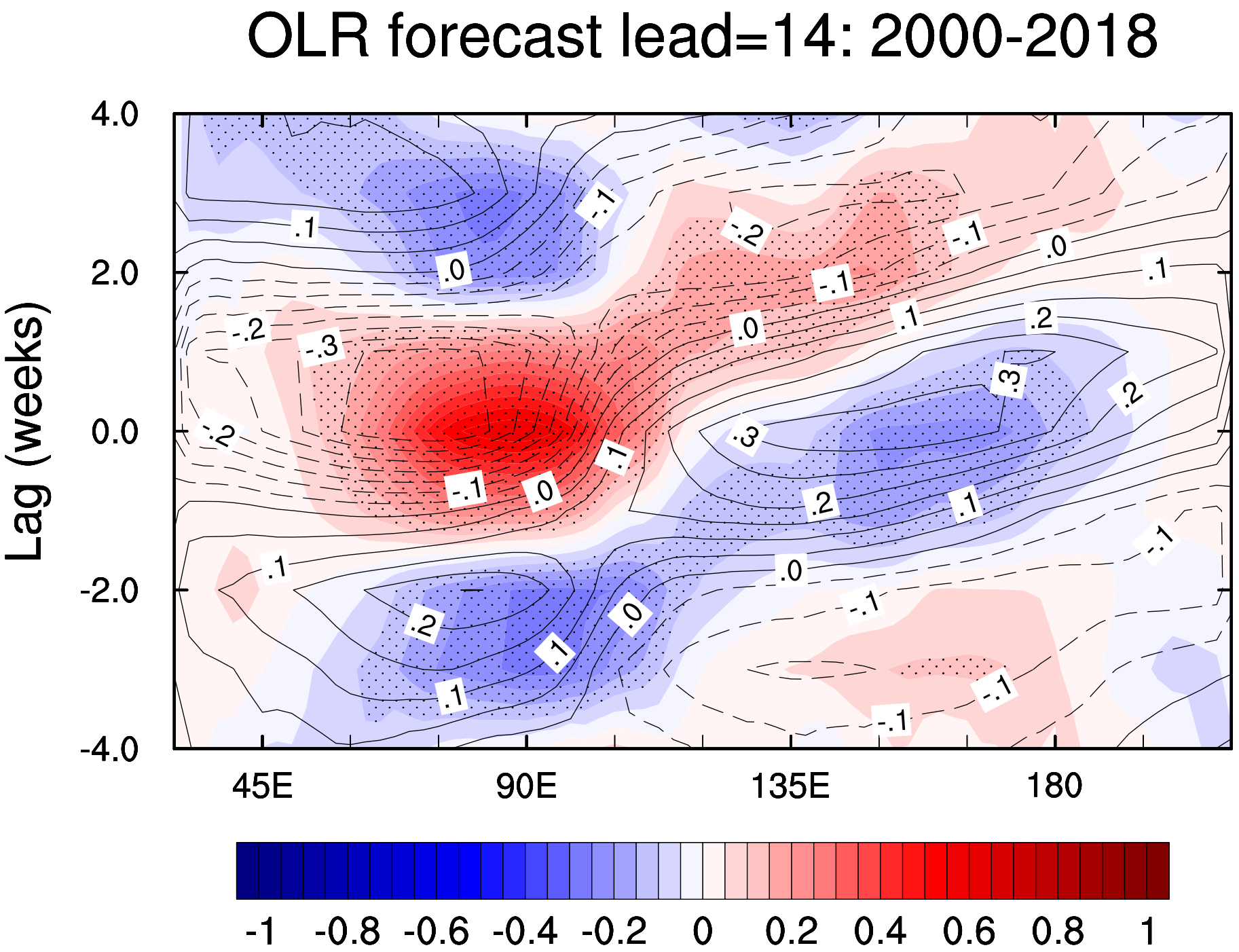
OLR forecast lead=13: 2000-2018

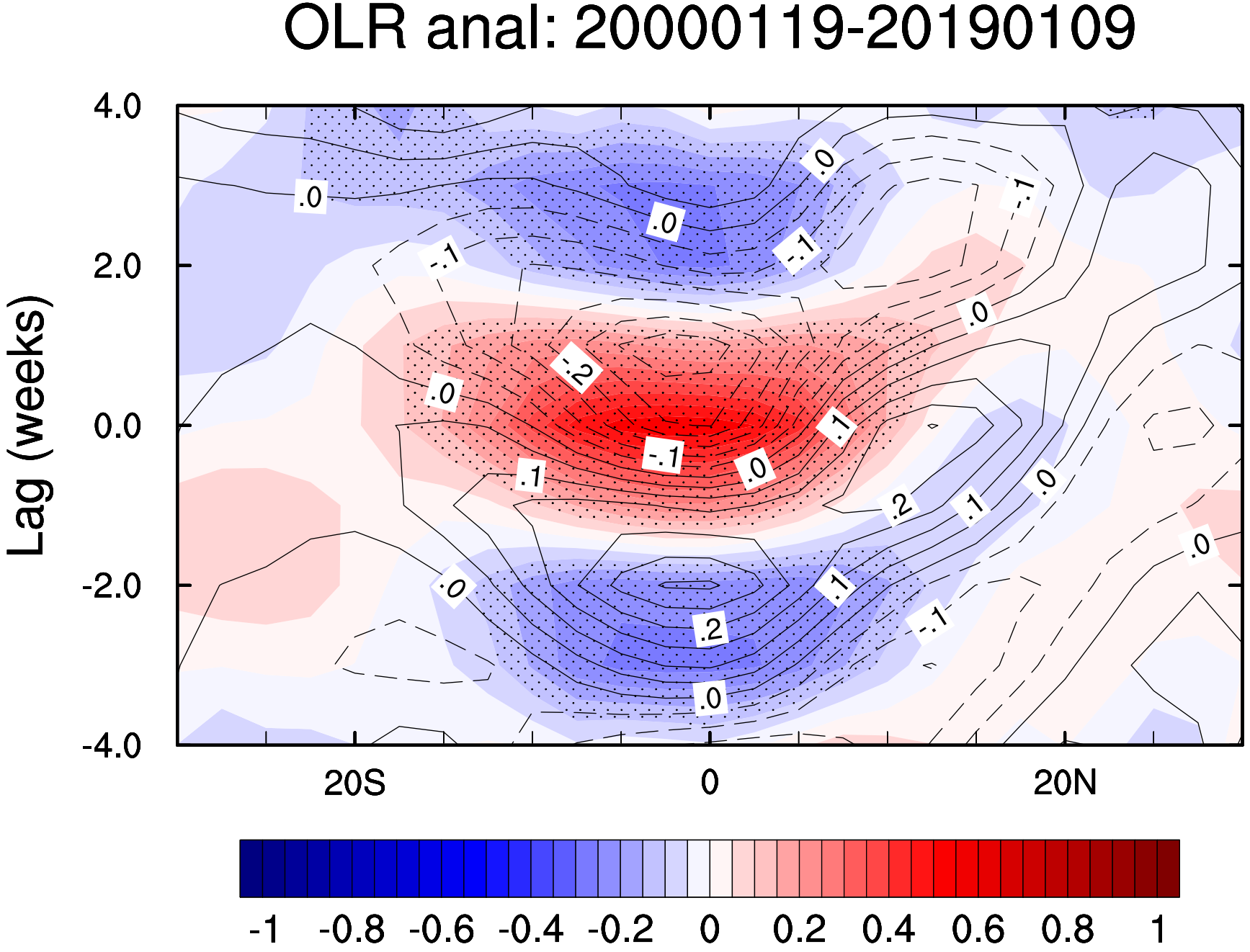


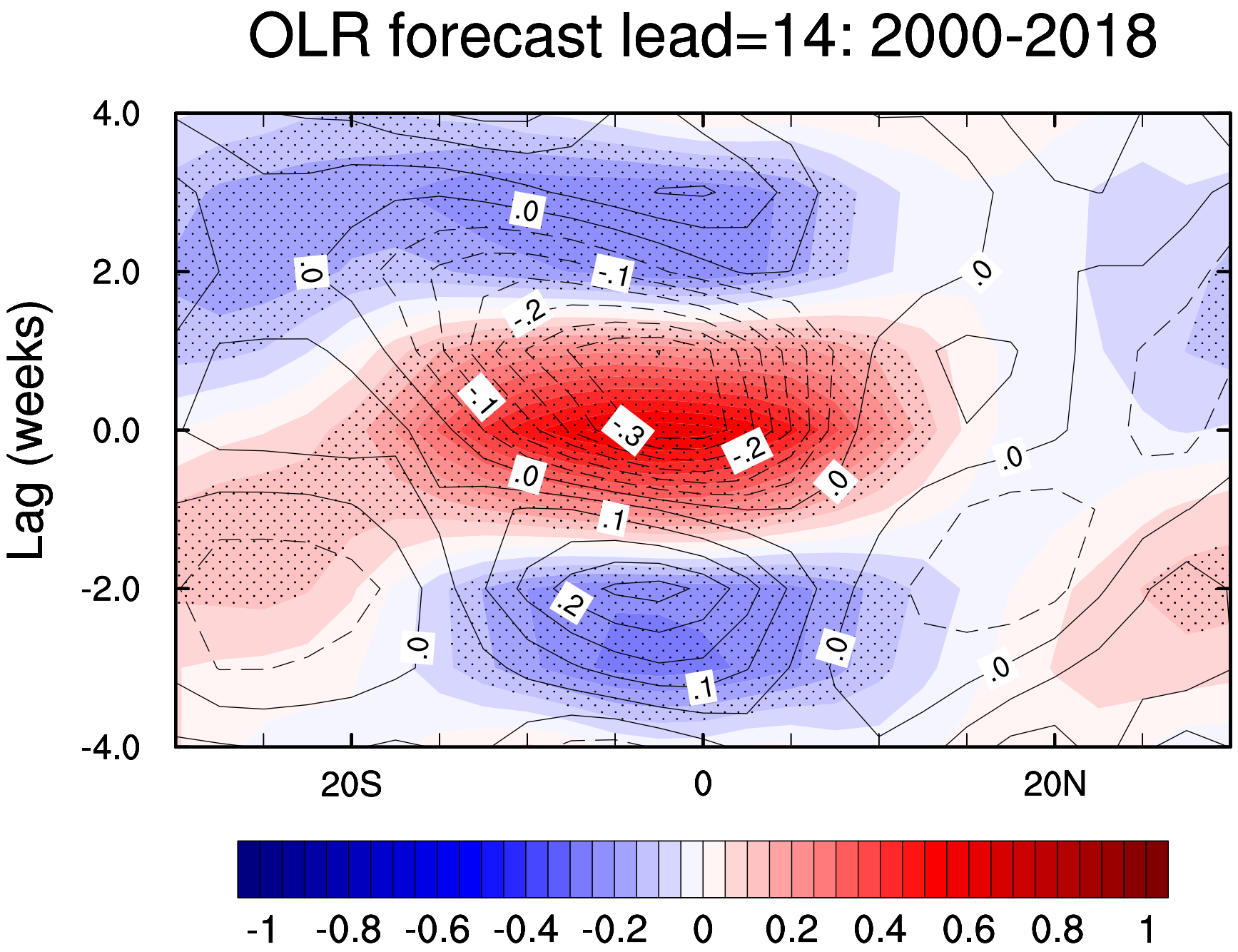

OLR anal: 20000118-20190108
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

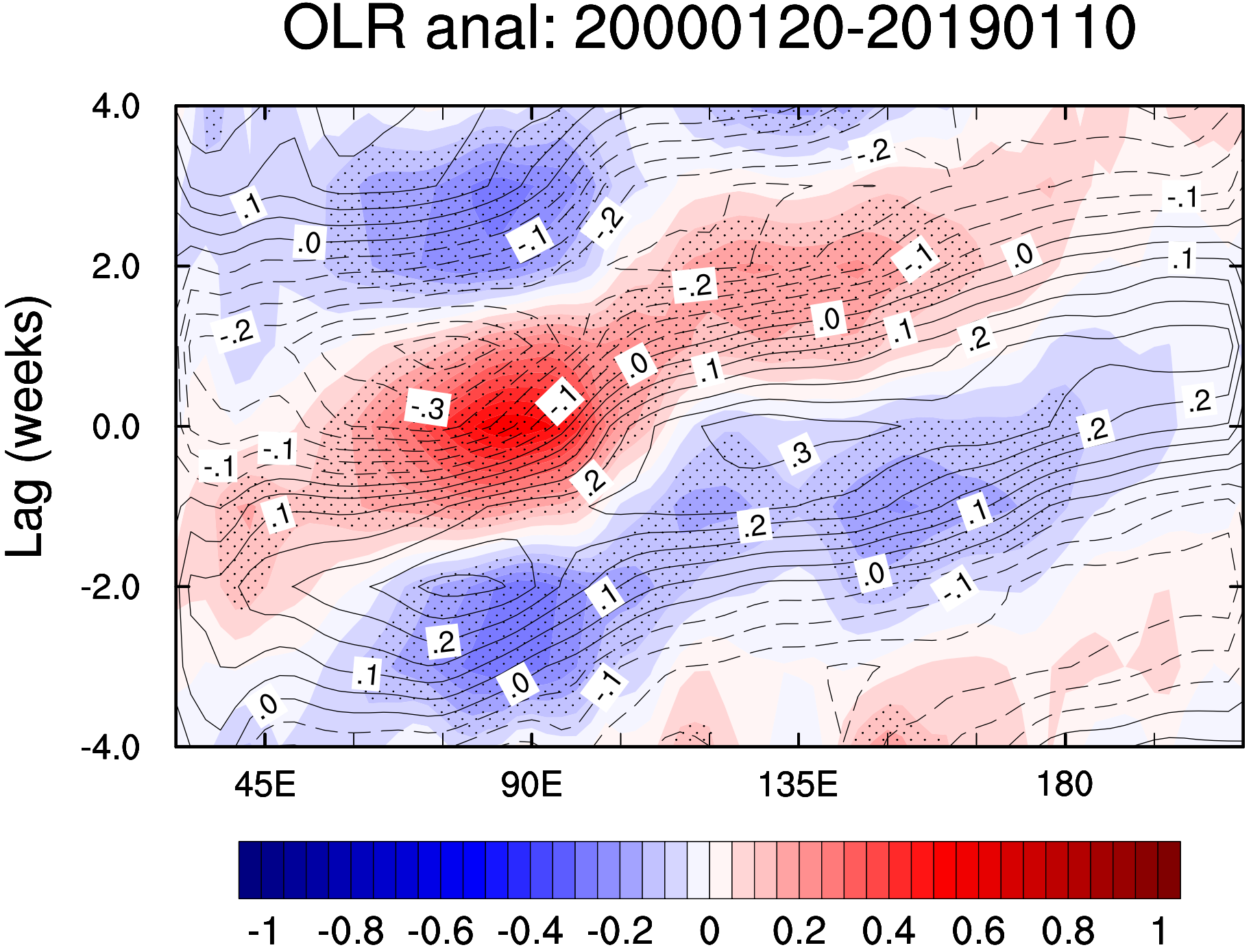

OLR forecast lead=13: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
.1
.0
.0
-.1
.0
-.2
.0
-.1
-.3
.0
.0
.1
.0
.0
.0
.0
.2
.0
.1
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1


OLR anal: 20000119-20190109
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

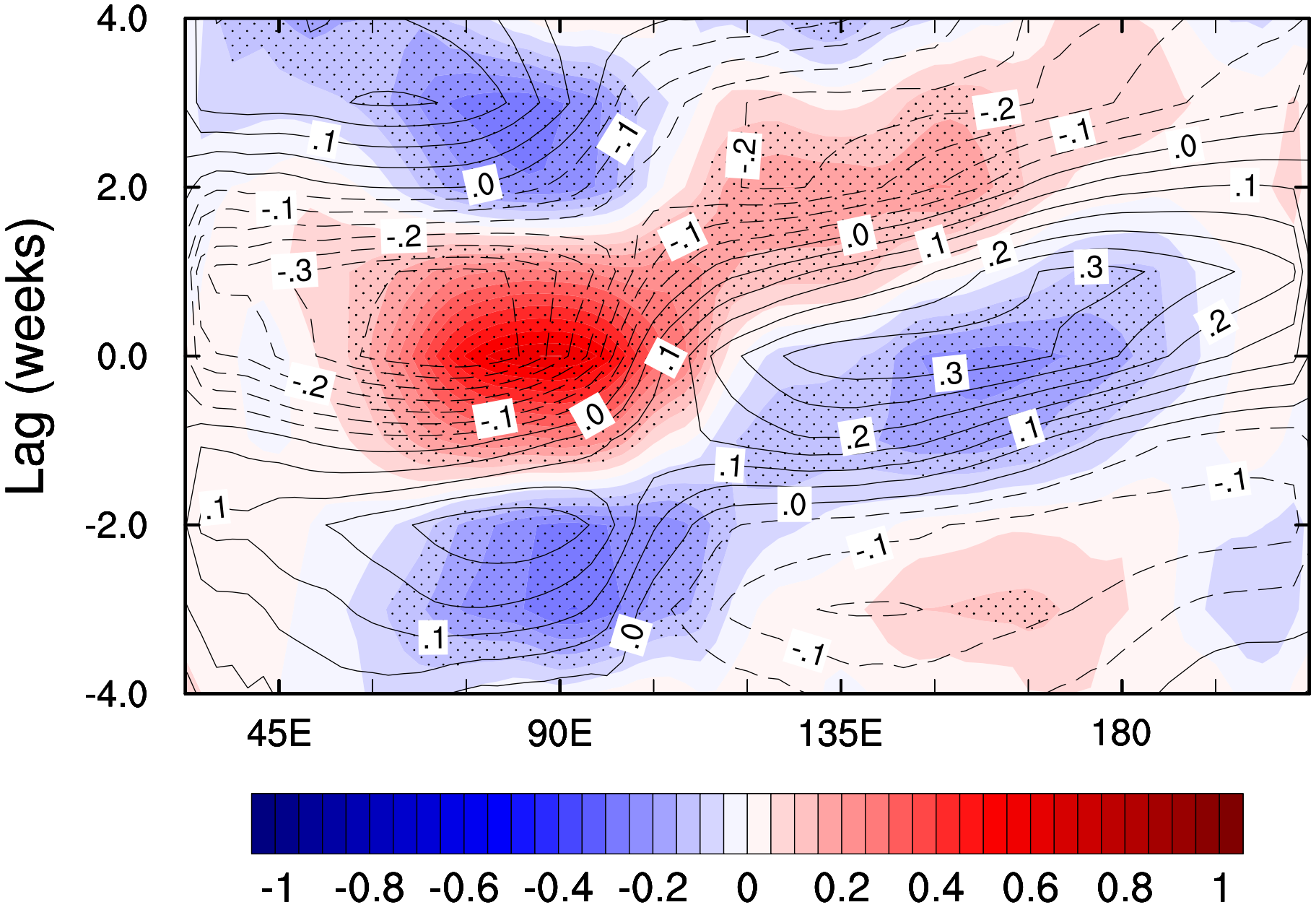

OLR forecast lead=14: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

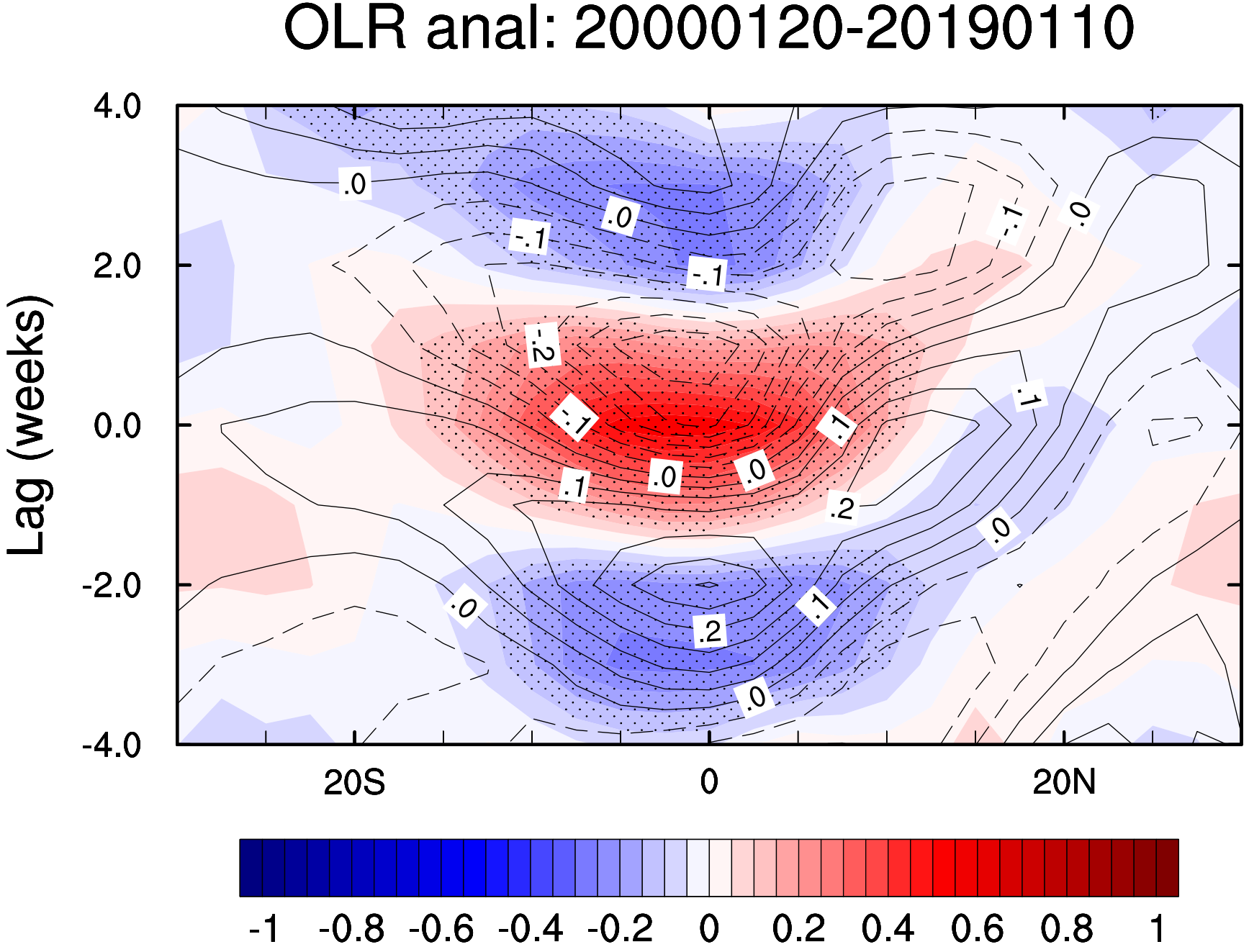

OLR anal: 20000119-20190109
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

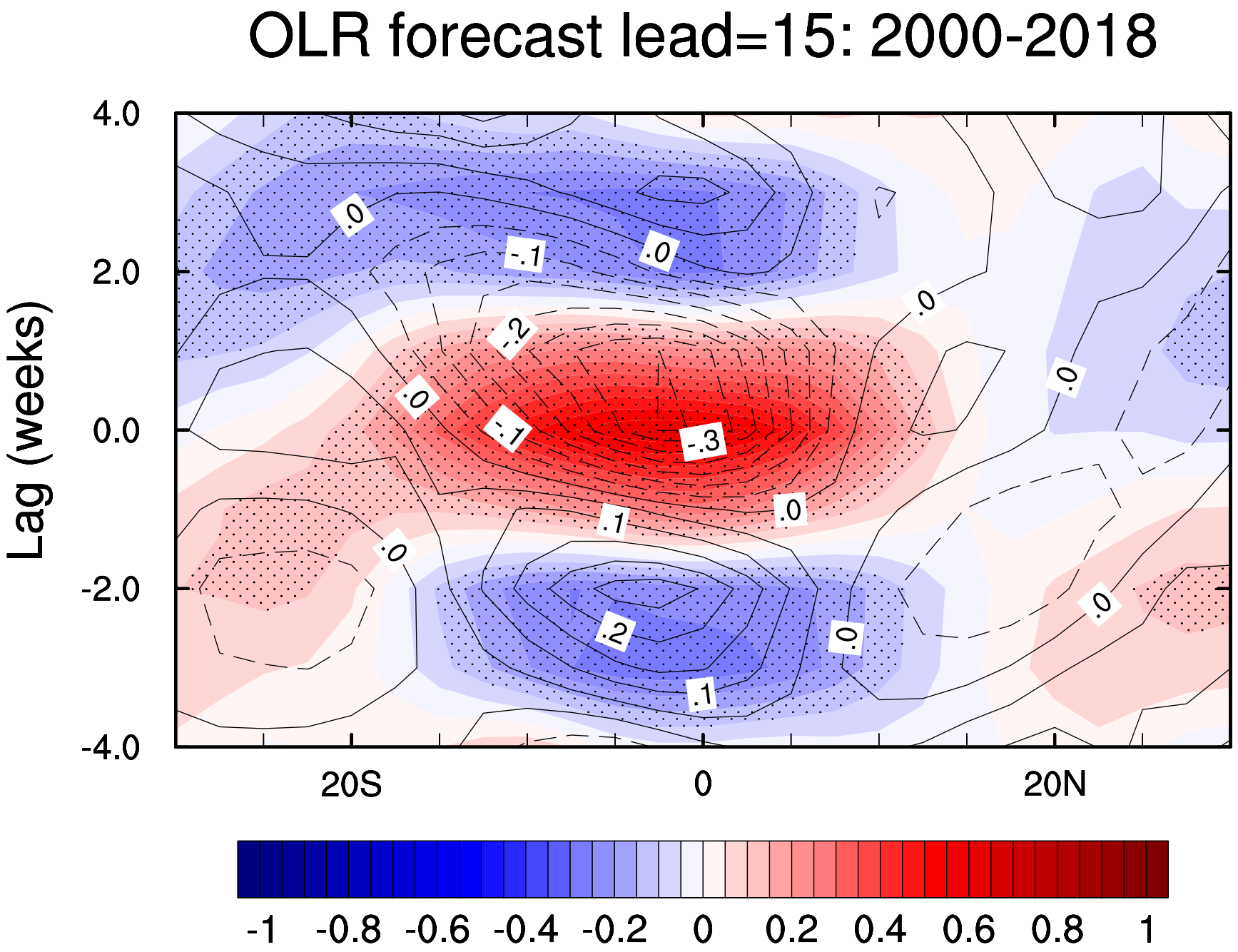

OLR forecast lead=14: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
.0
-.1
-.2
-.1
-.3
-.2
.0
.1
.2
.1
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

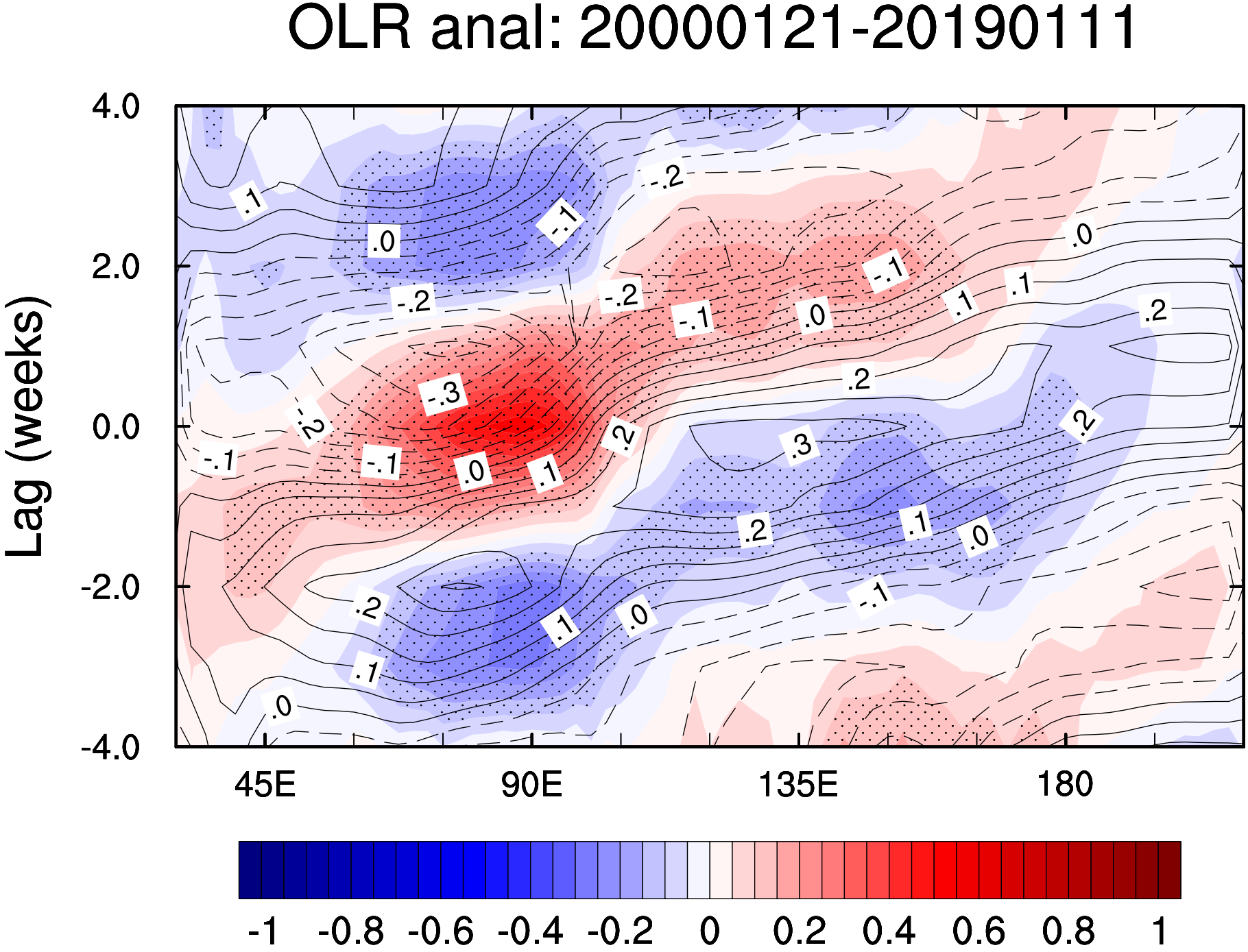

OLR anal: 20000120-20190110
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

OLR forecast lead=15: 2000-2018

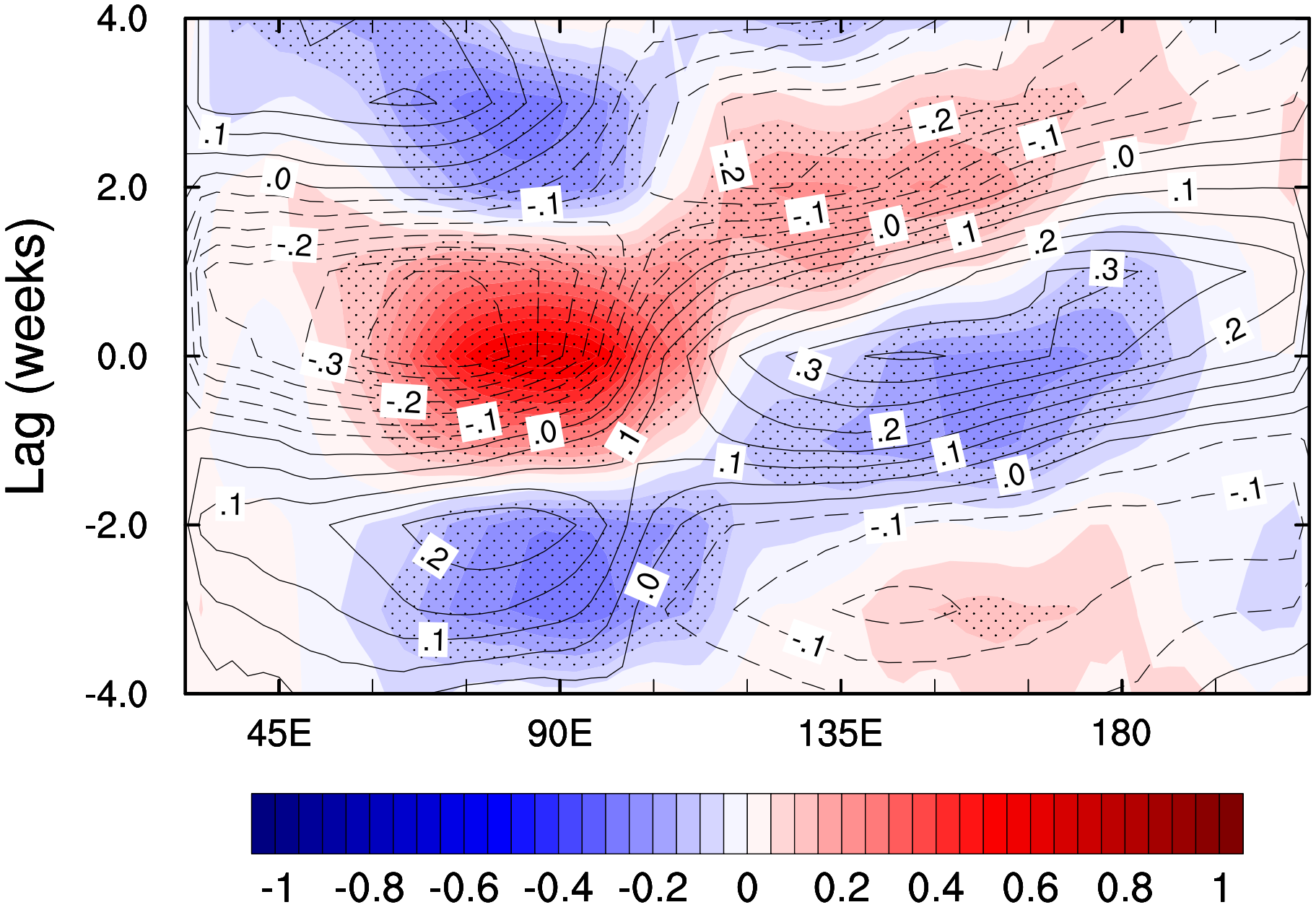


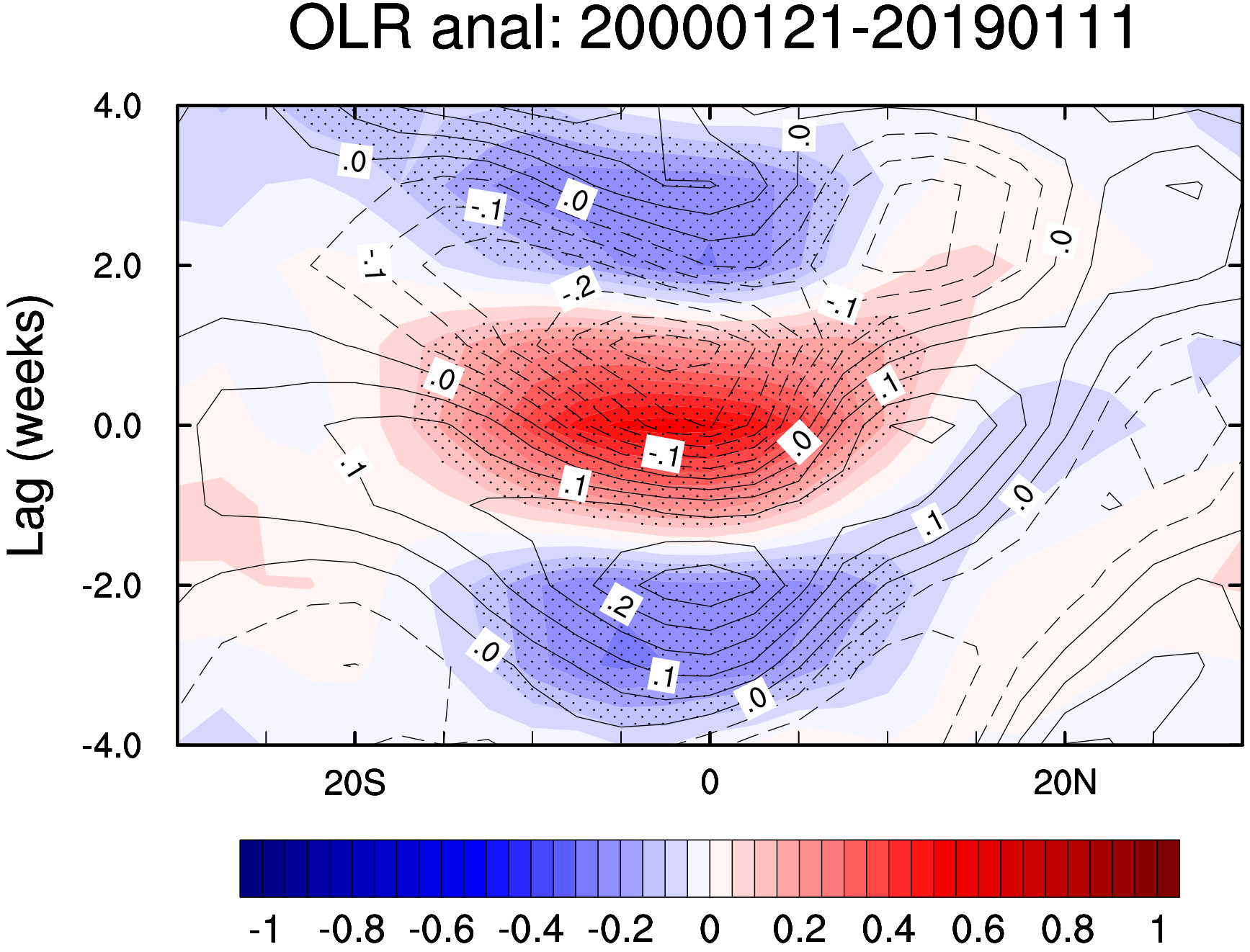

OLR anal: 20000120-20190110
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

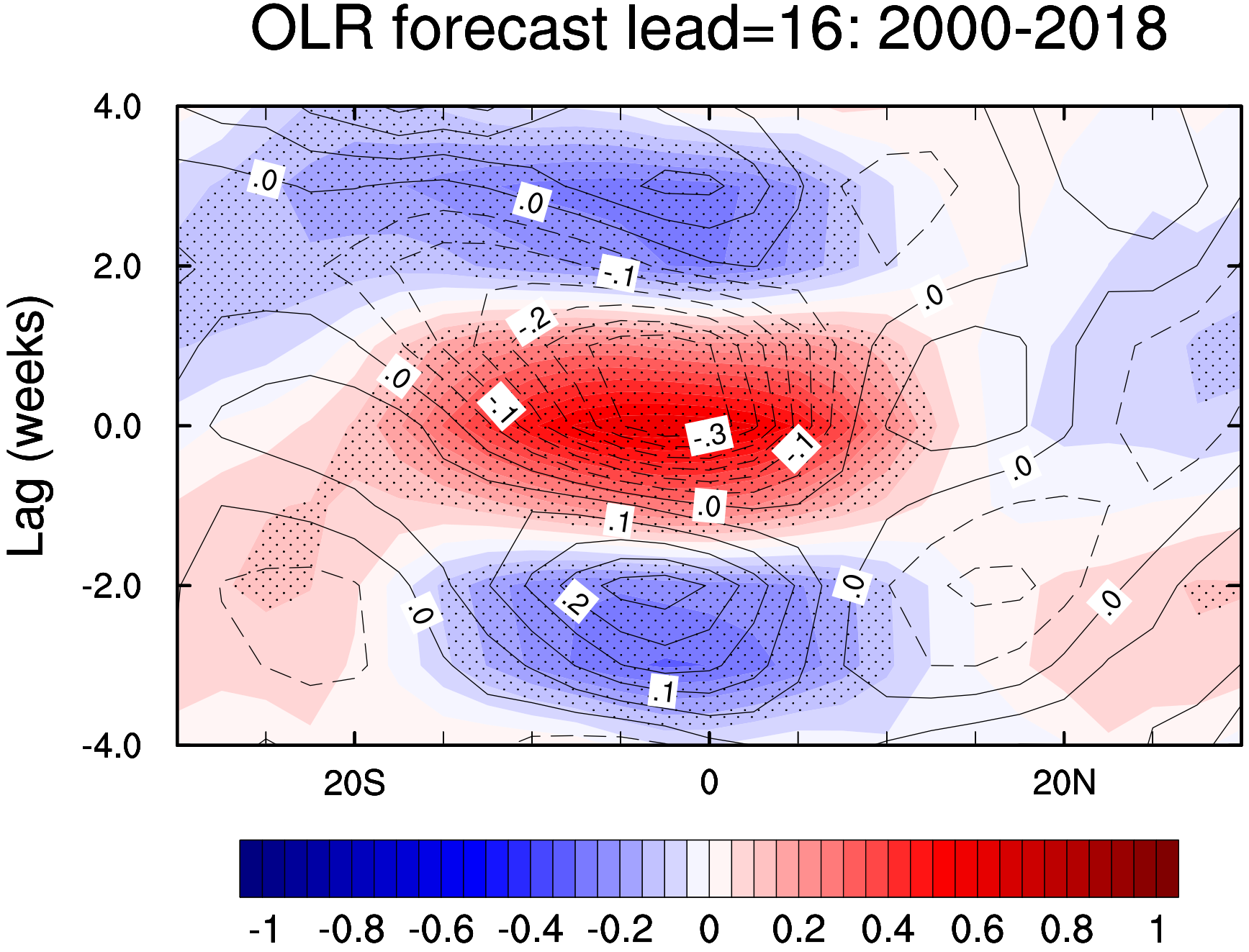

OLR forecast lead=15: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
.0
-.1
.0
.0
.2
.0
-.1
-.3
.0
.1
.0
.2
.0
.1
.0
.0
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1


OLR anal: 20000121-20190111
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

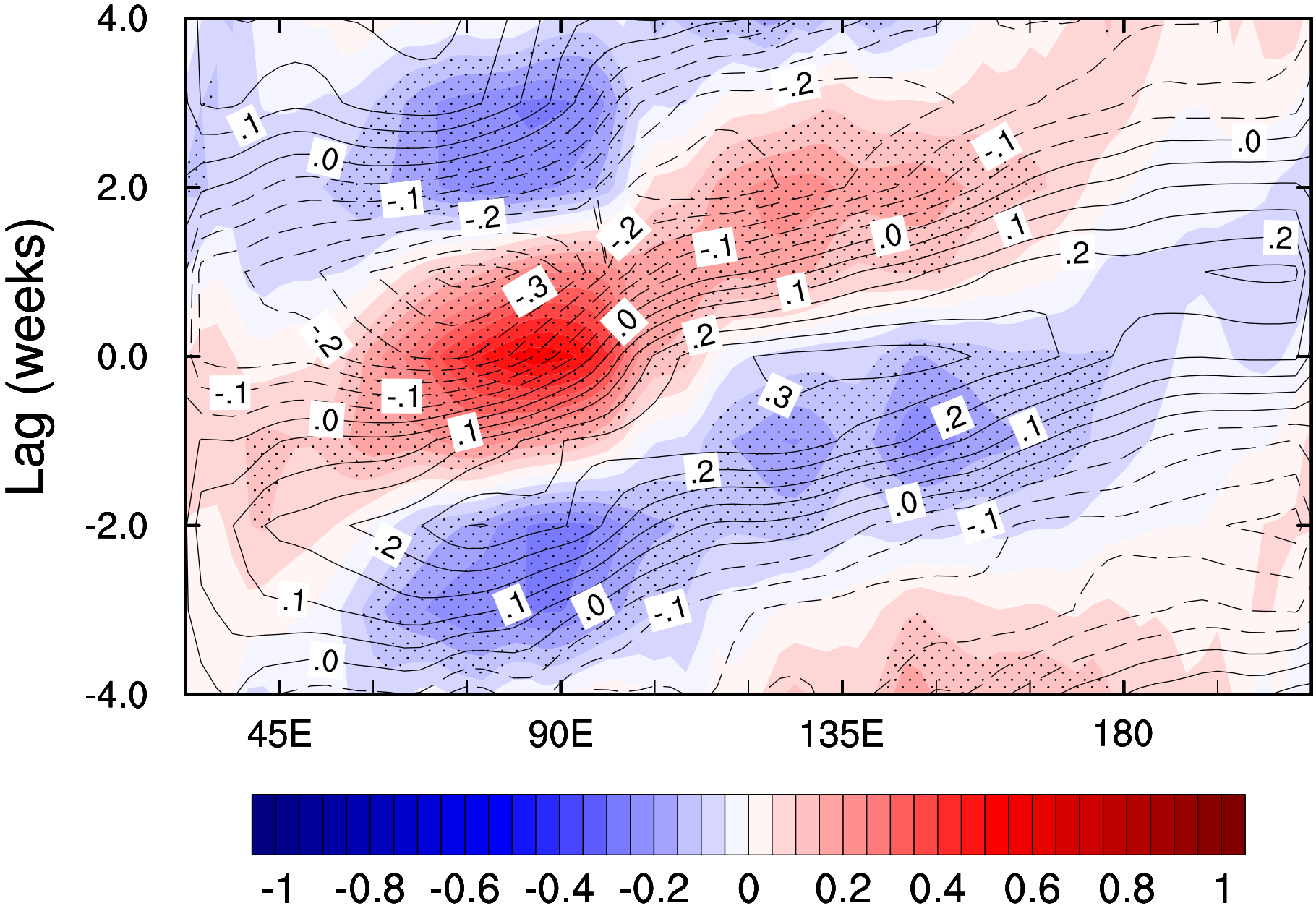
OLR forecast lead=16: 2000-2018



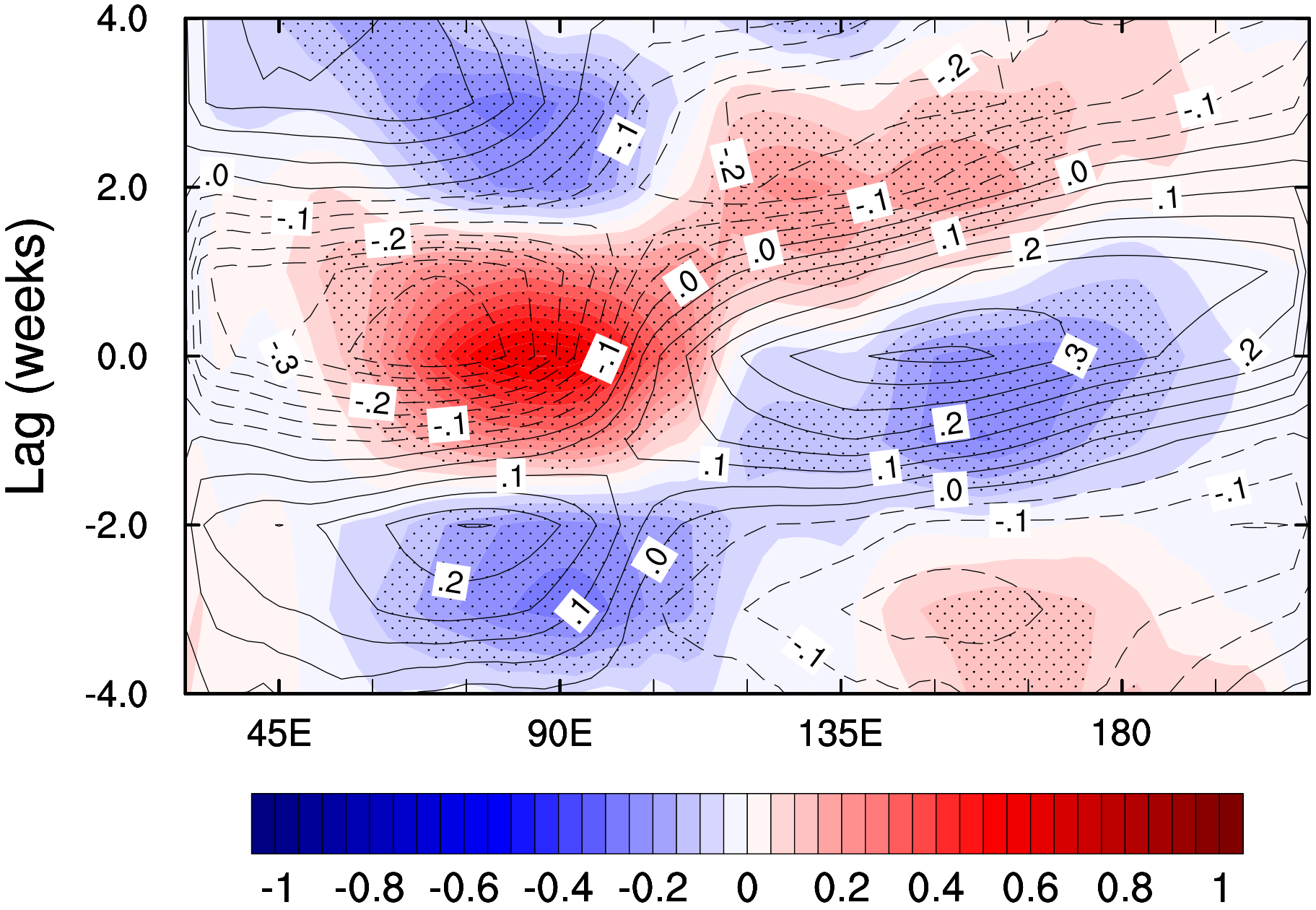

OLR anal: 20000121-20190111
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

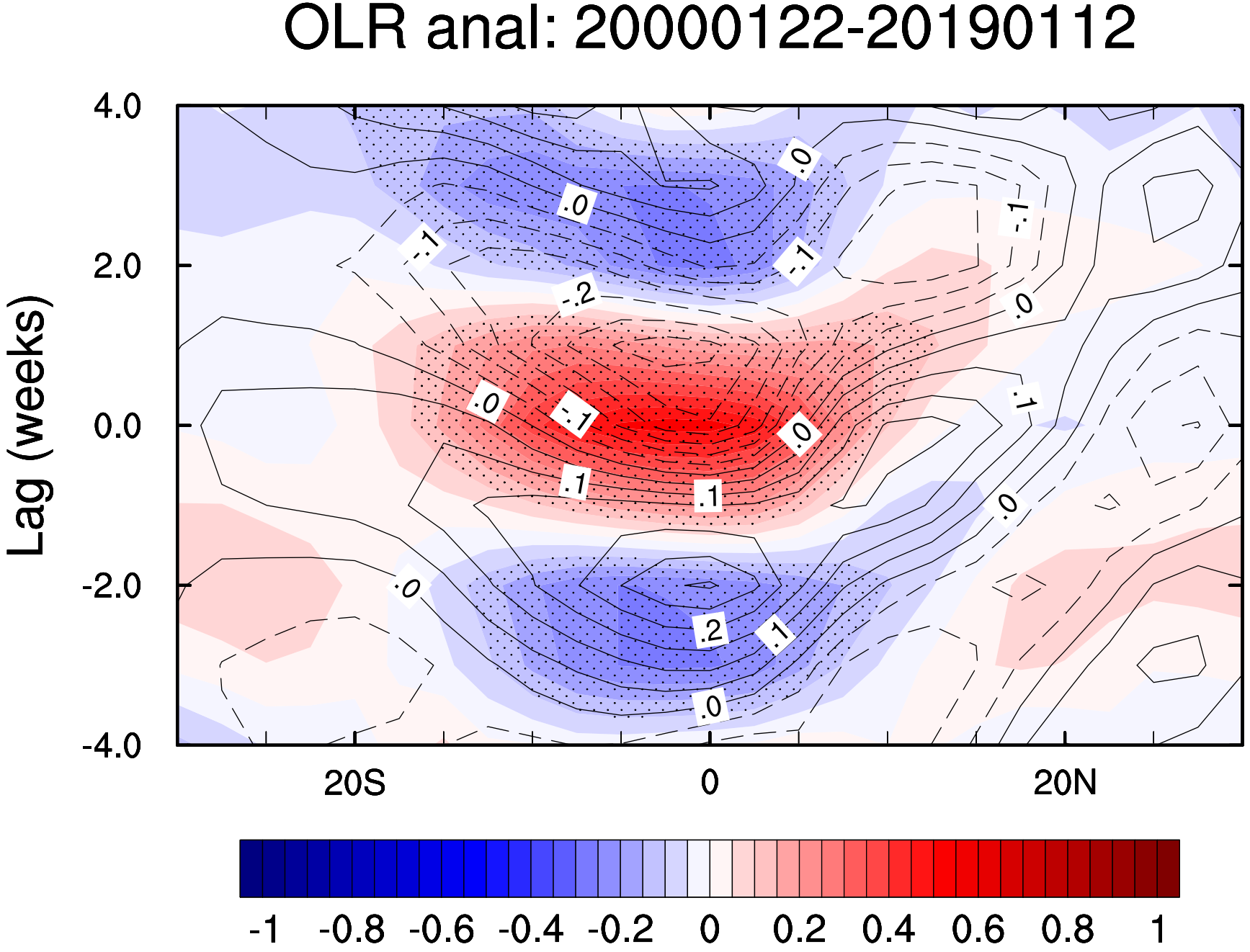

OLR forecast lead=16: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
.0
.0
-.1
-.2
.0
-.1
-.3
-.1
.0
.1
.0
.0
.0
.0
-.2
.1
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

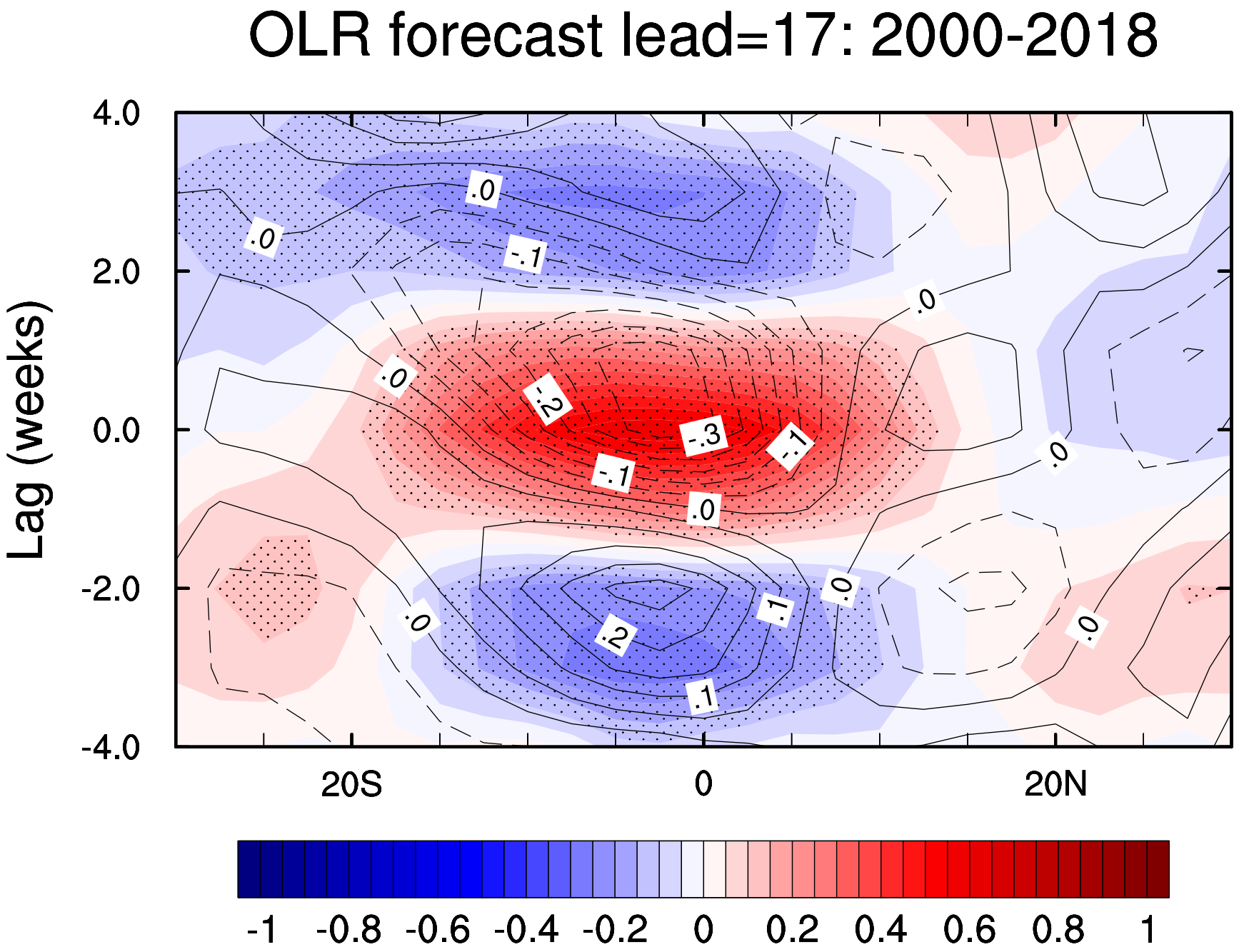
OLR anal: 20000122-20190112



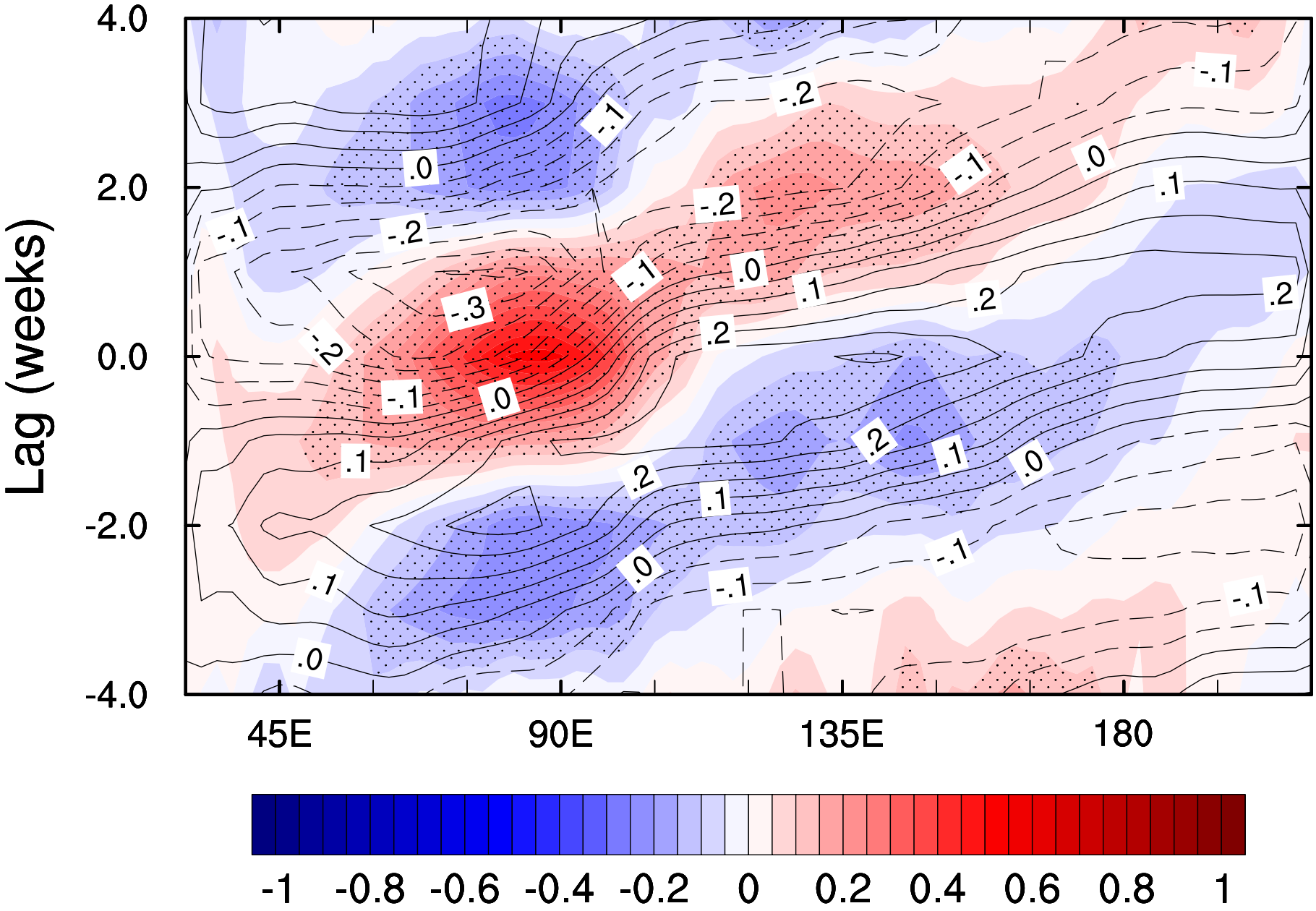
OLR forecast lead=17: 2000-2018

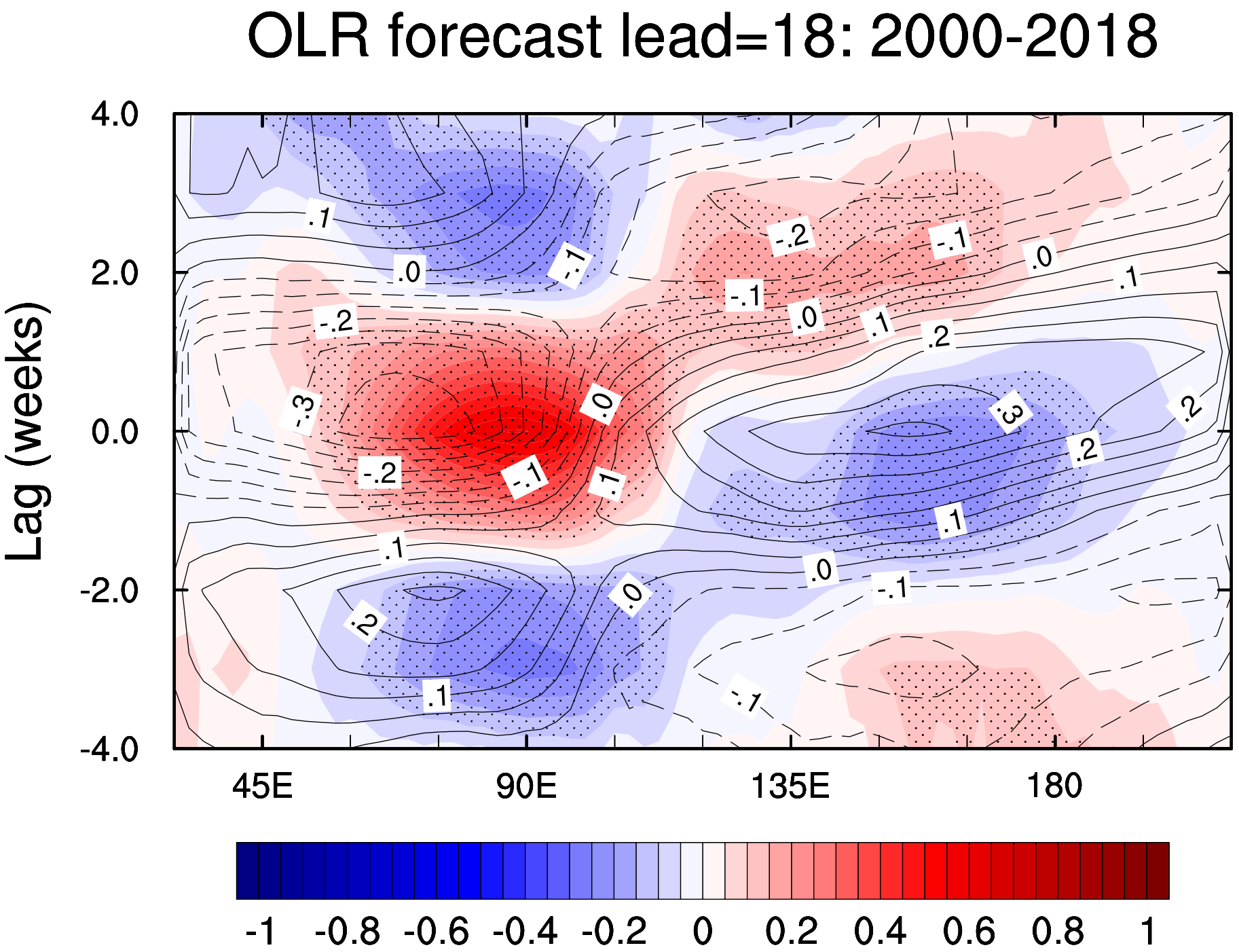


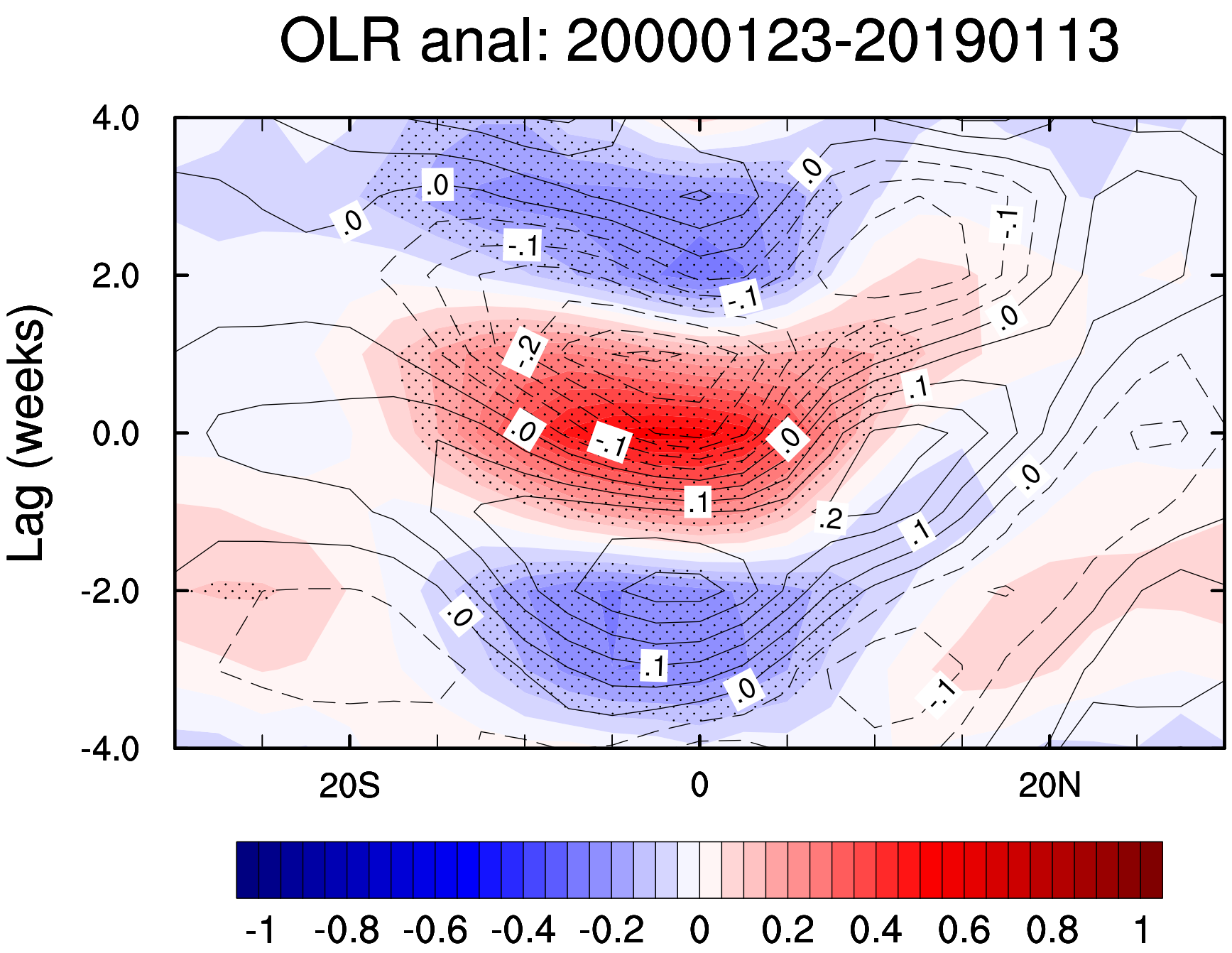

OLR anal: 20000122-20190112
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

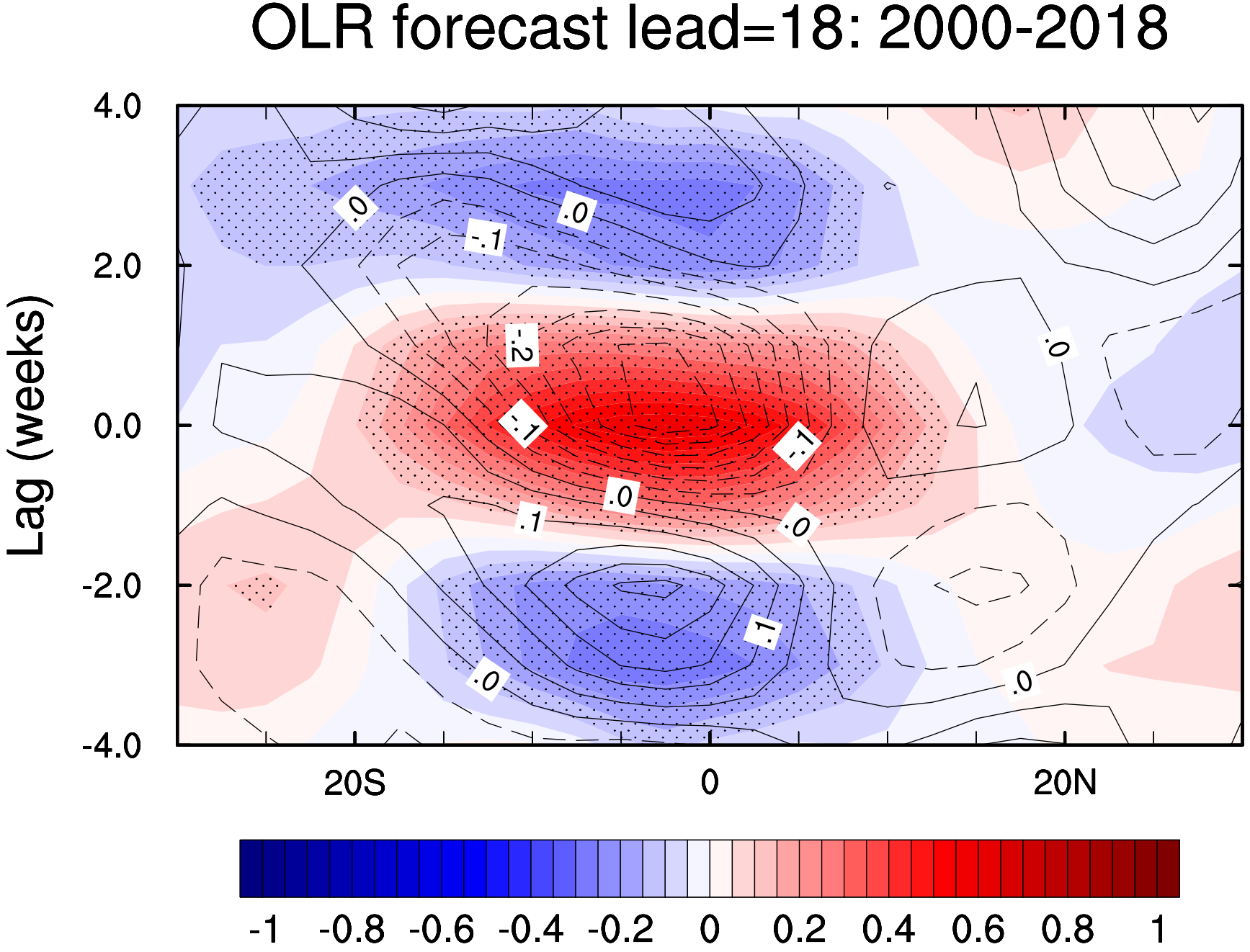

OLR forecast lead=17: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

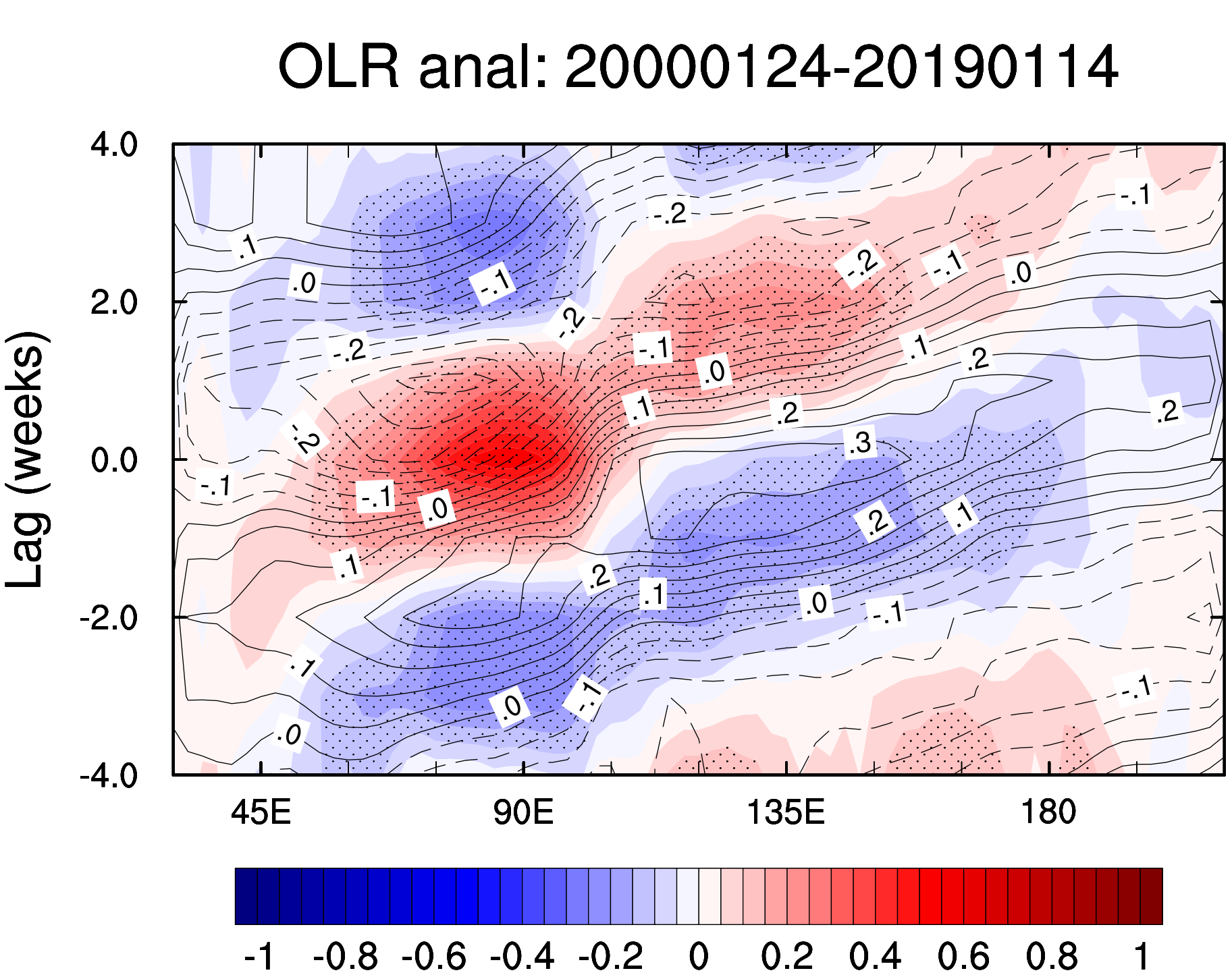
OLR anal: 20000123-20190113



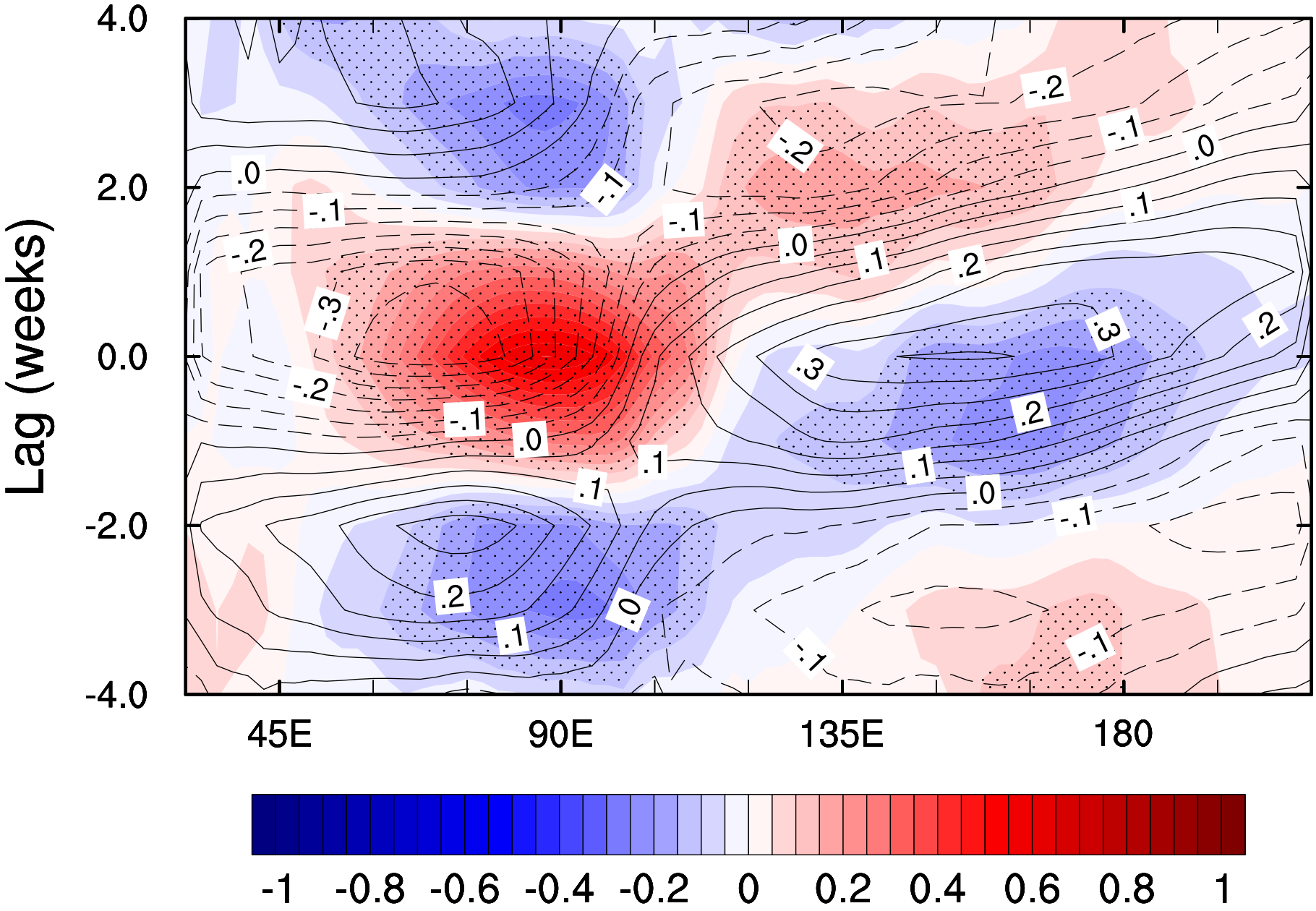

OLR forecast lead=18: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

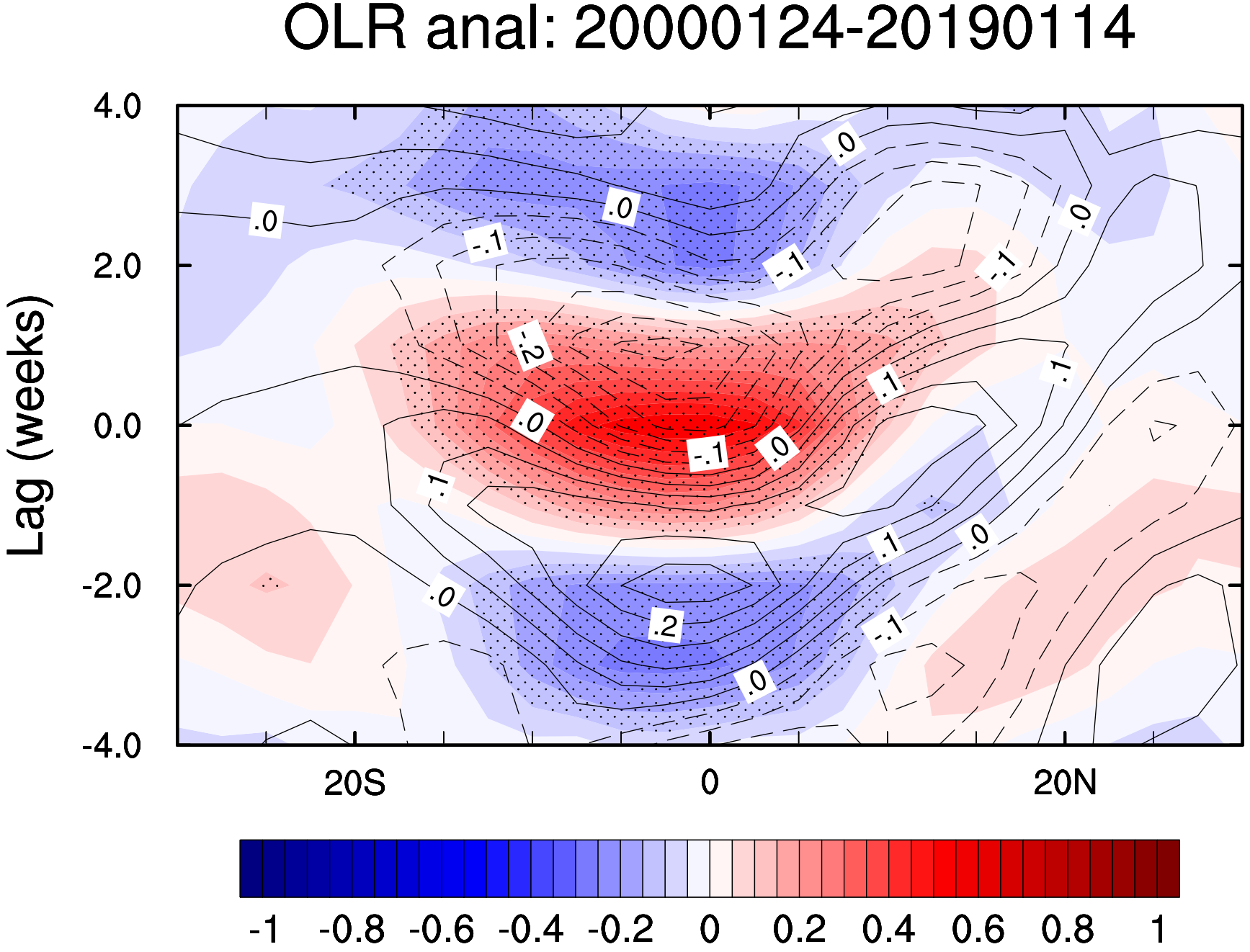

OLR anal: 20000123-20190113
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

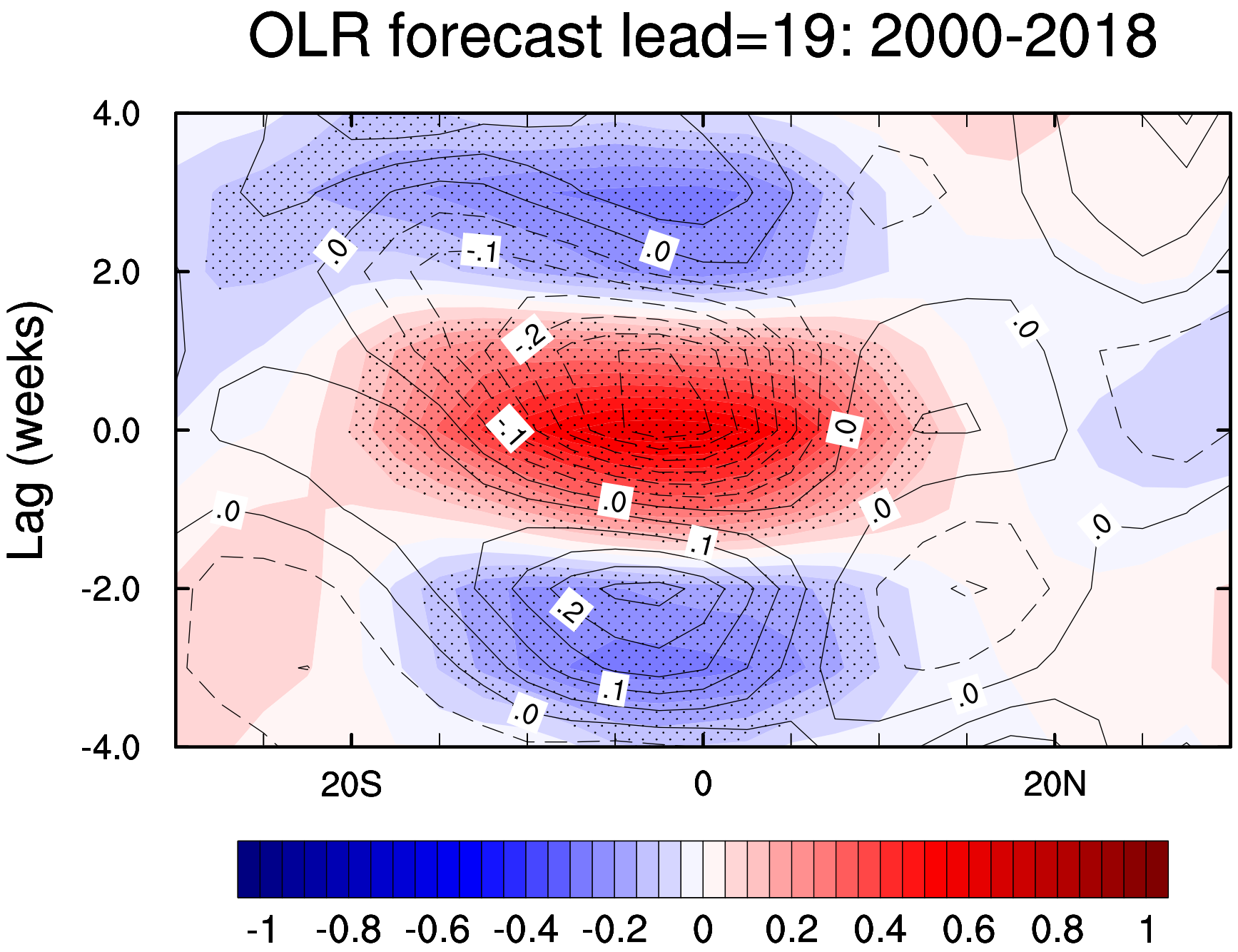

OLR forecast lead=18: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

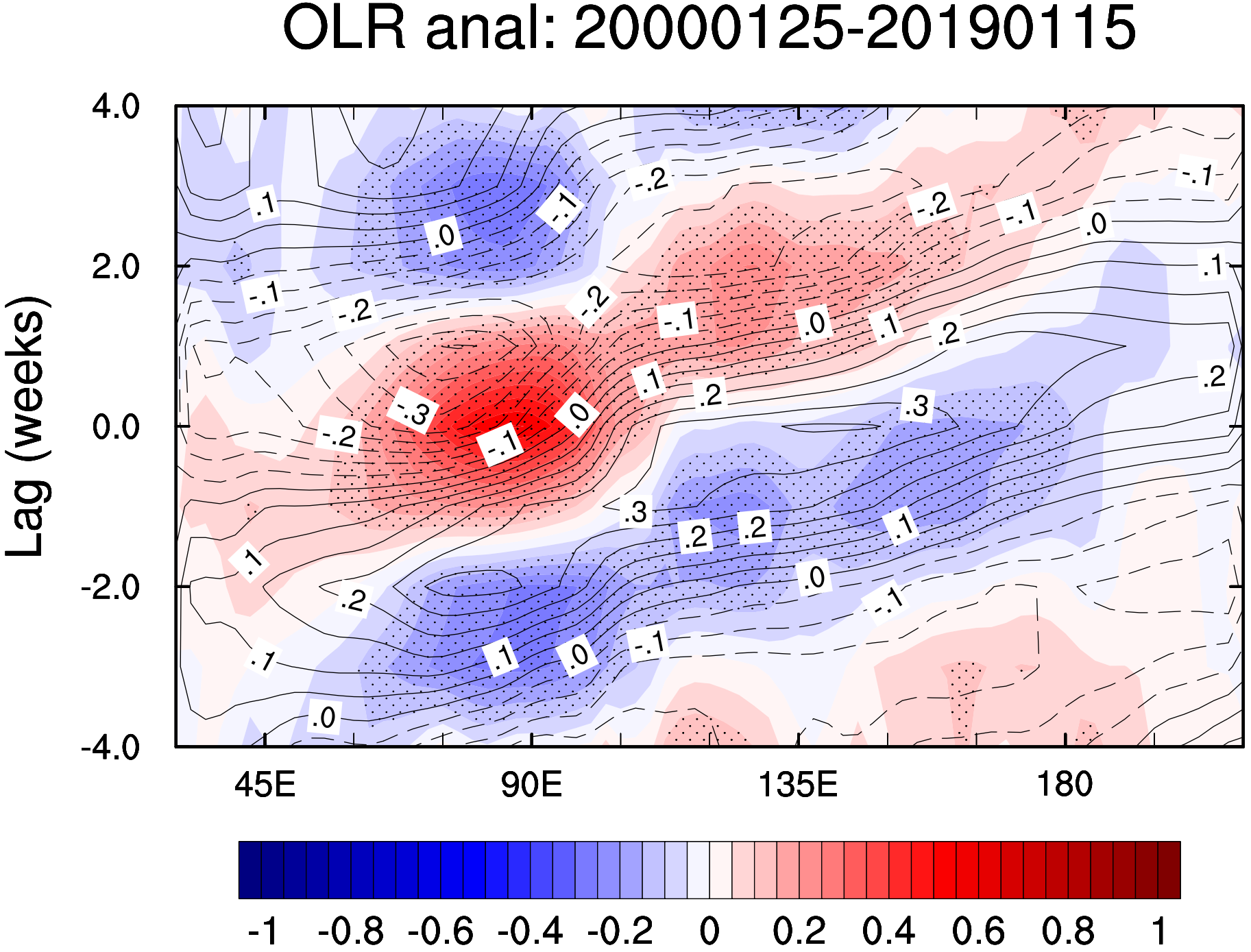

OLR anal: 20000124-20190114
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

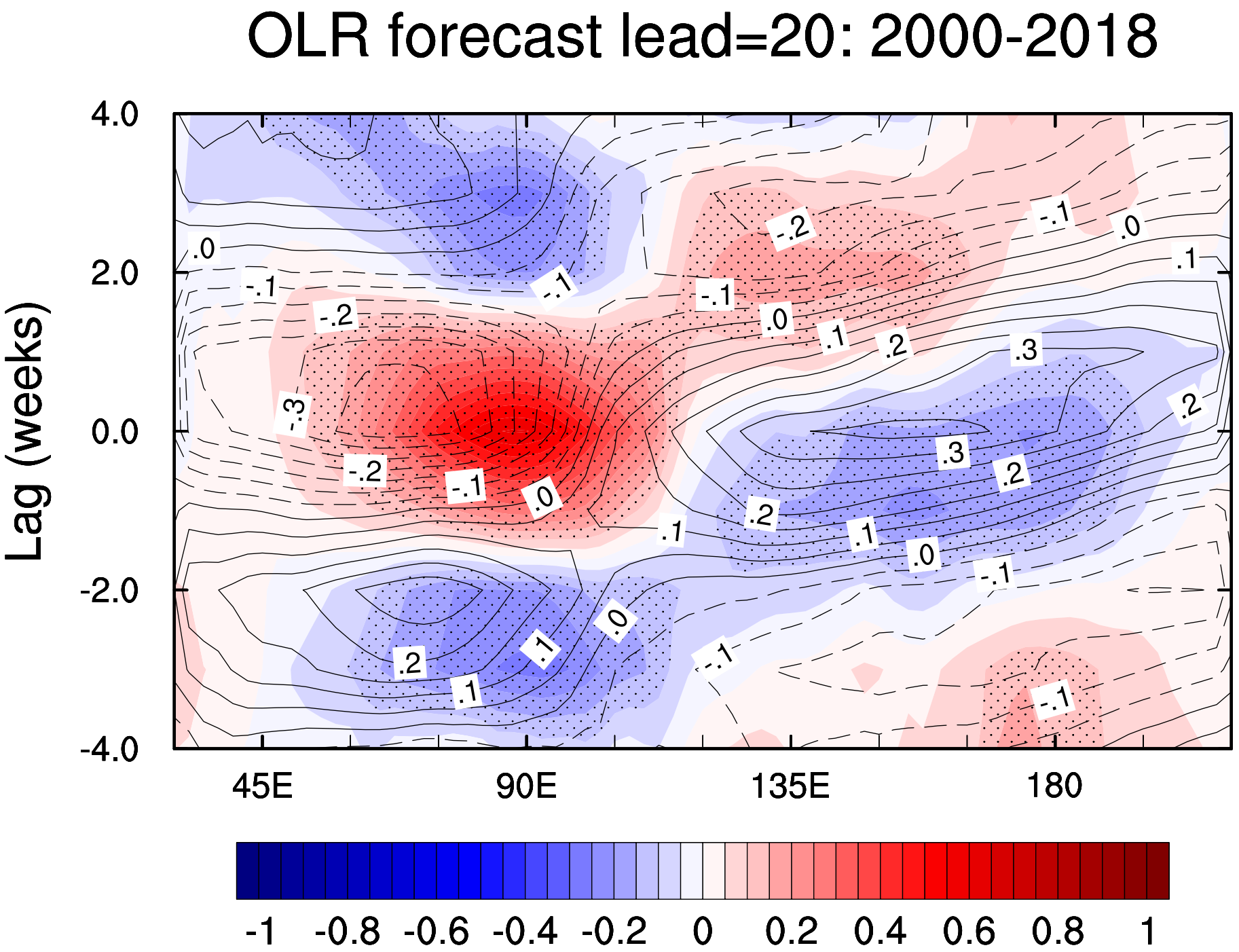
OLR forecast lead=19: 2000-2018

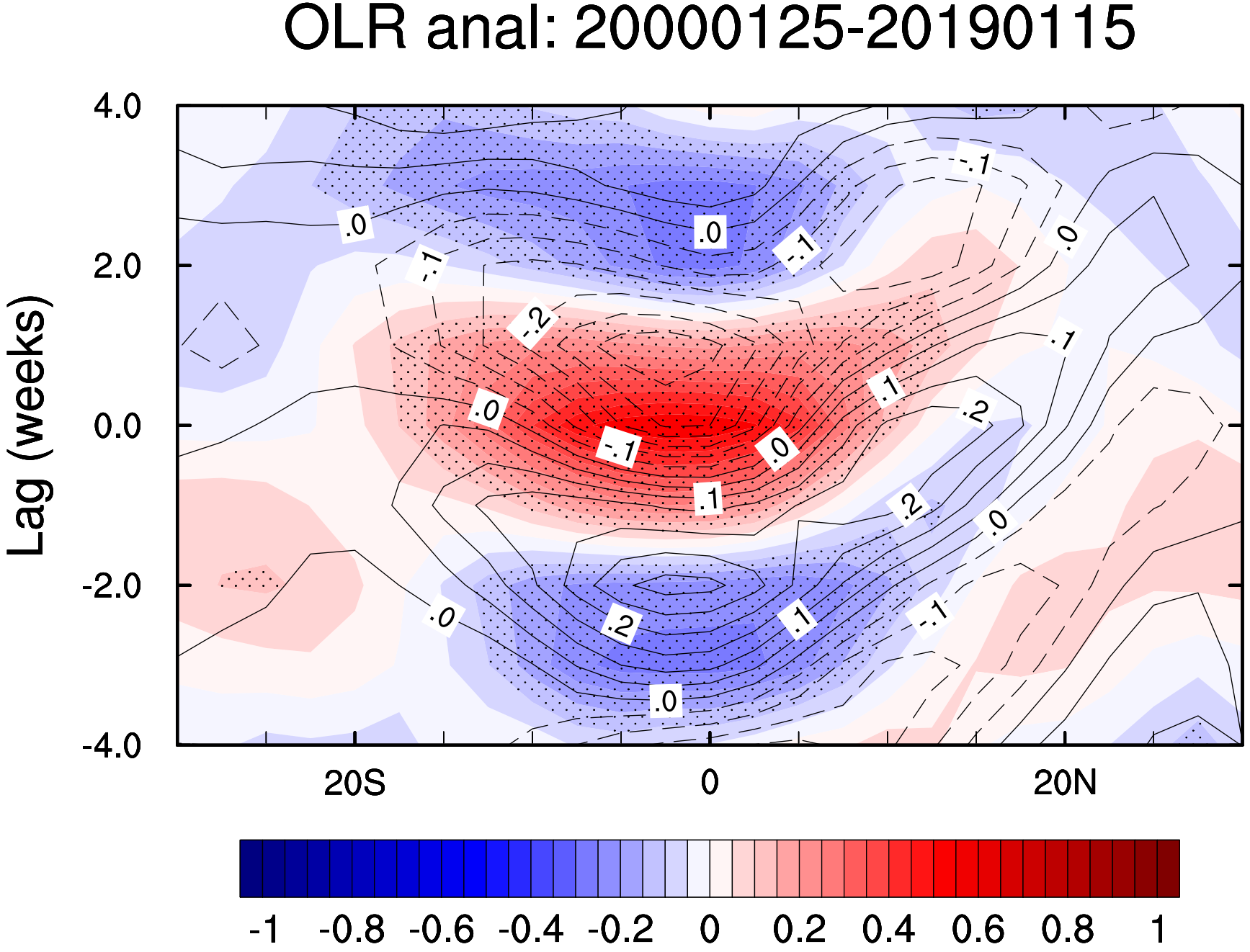


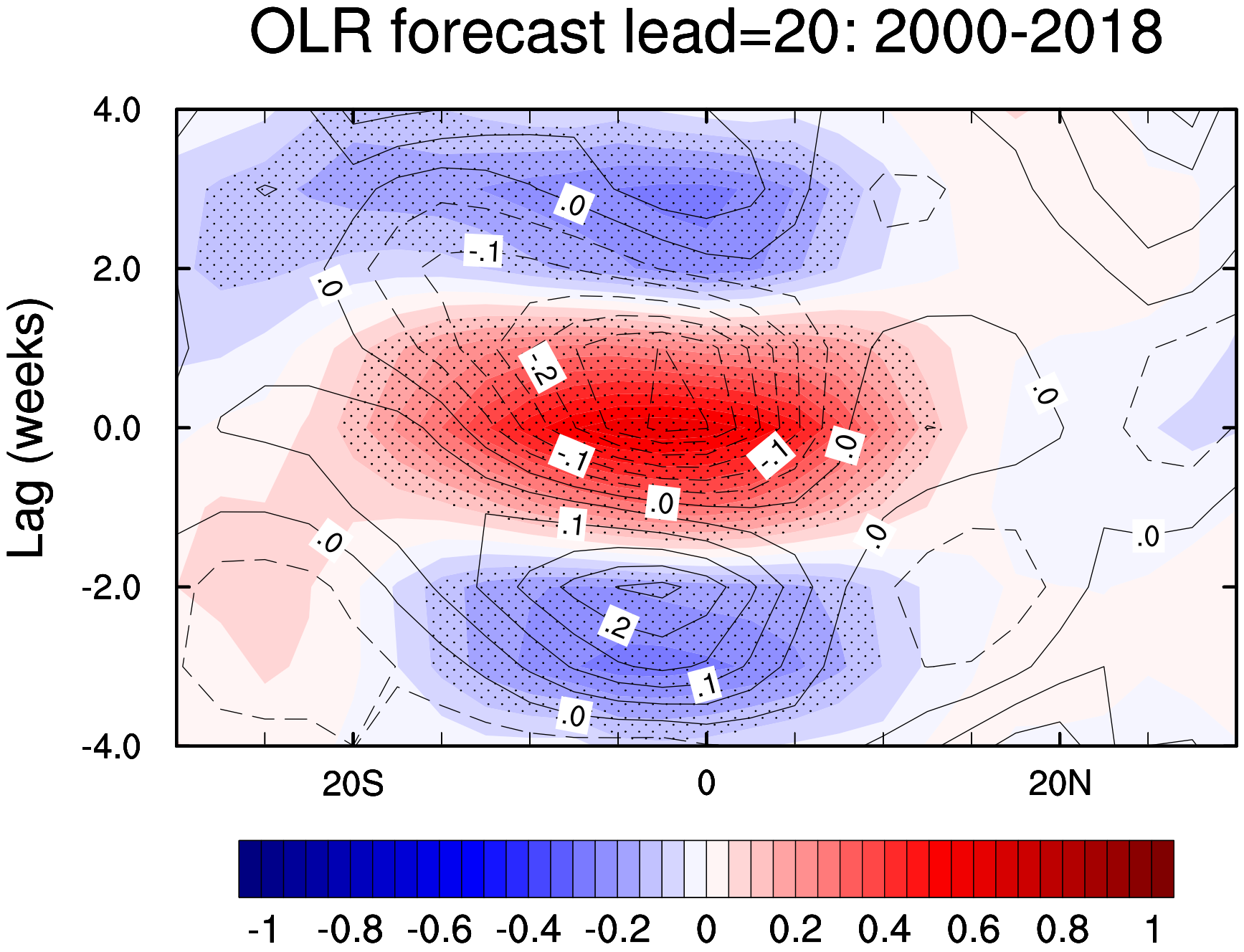

OLR anal: 20000124-20190114
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

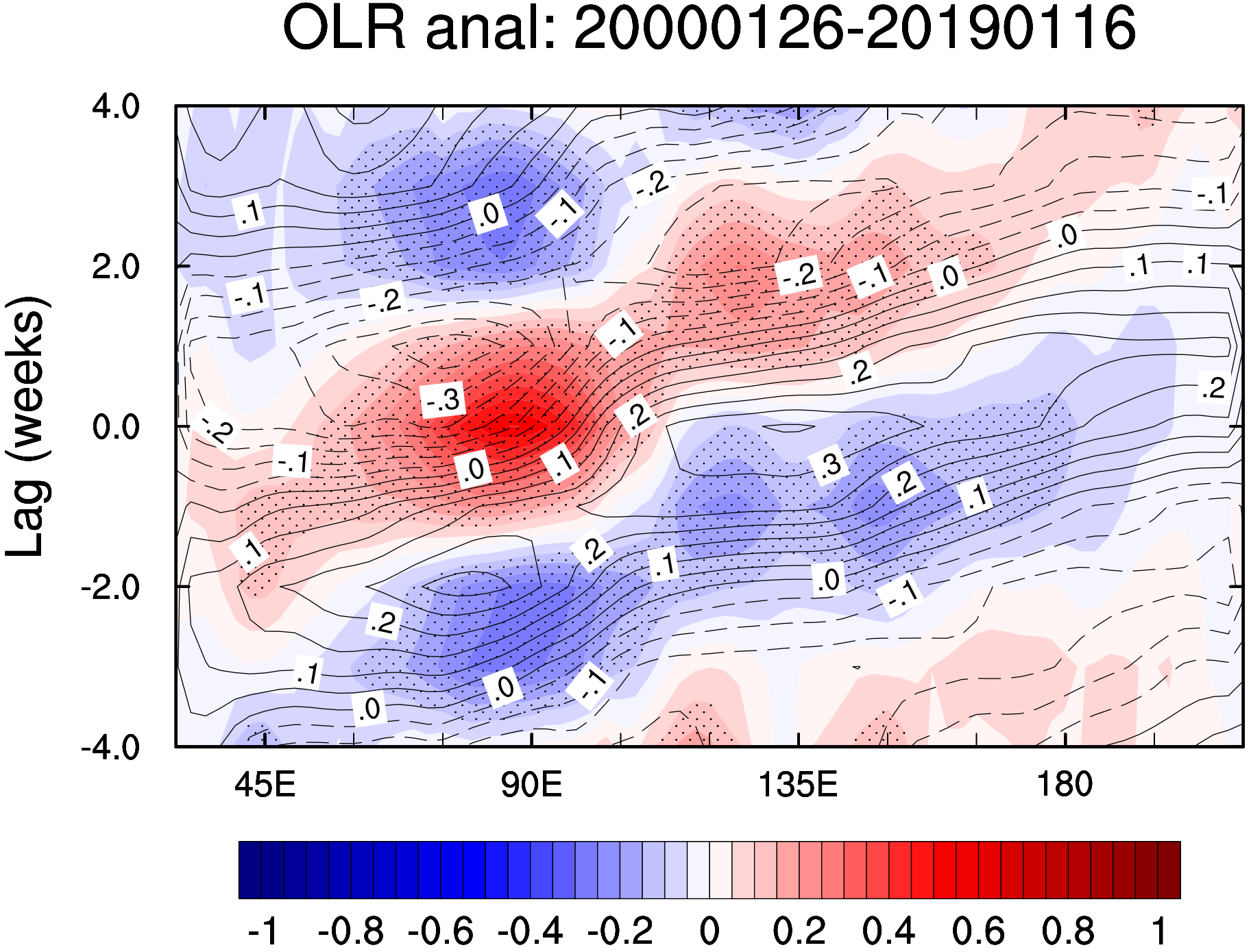

OLR forecast lead=19: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
.0
-.1
.0
-.2
-.1
.0
.0
.0
.0
.1
.0
.0
-.2
.1
.0
.0
.0
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

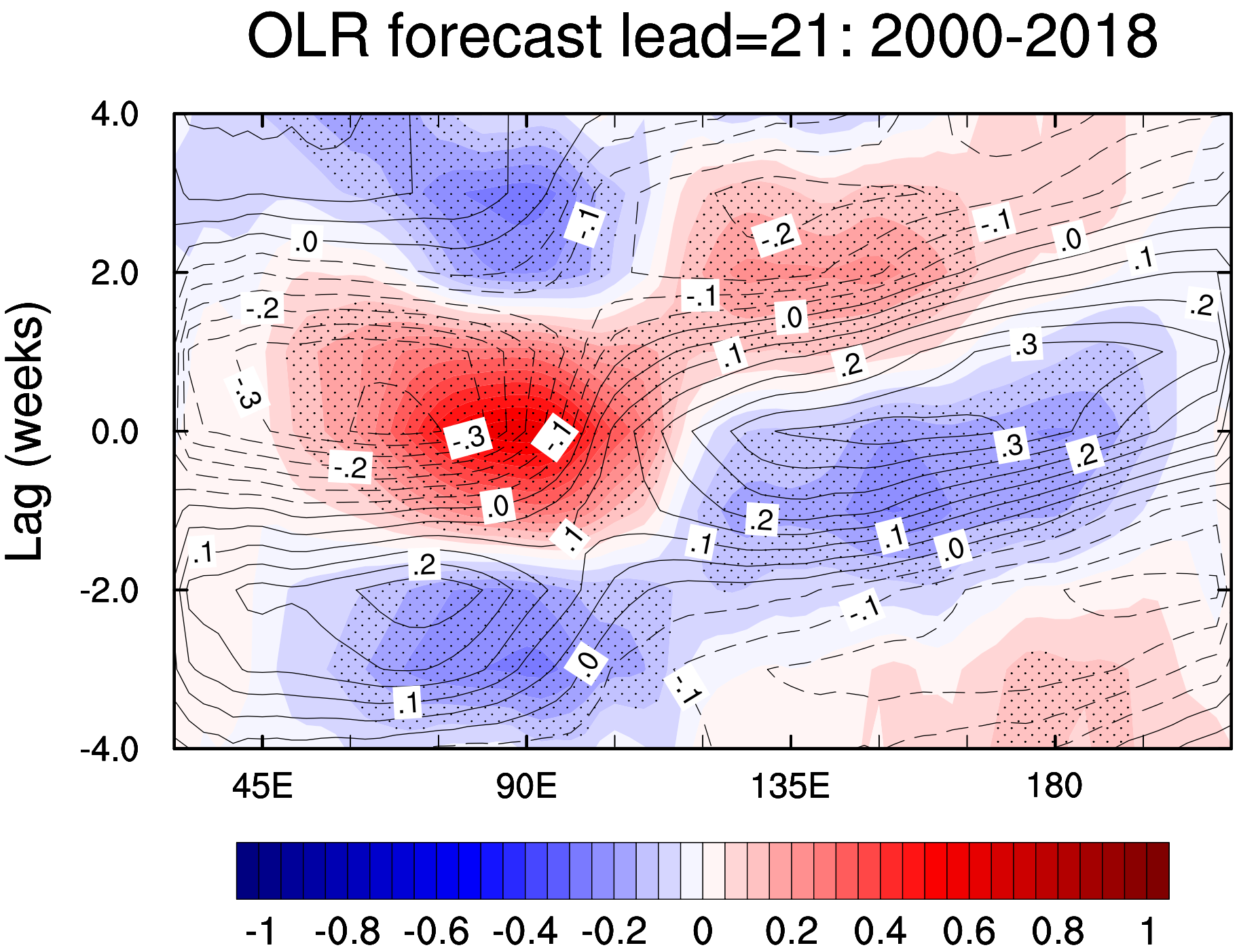

OLR anal: 20000125-20190115
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

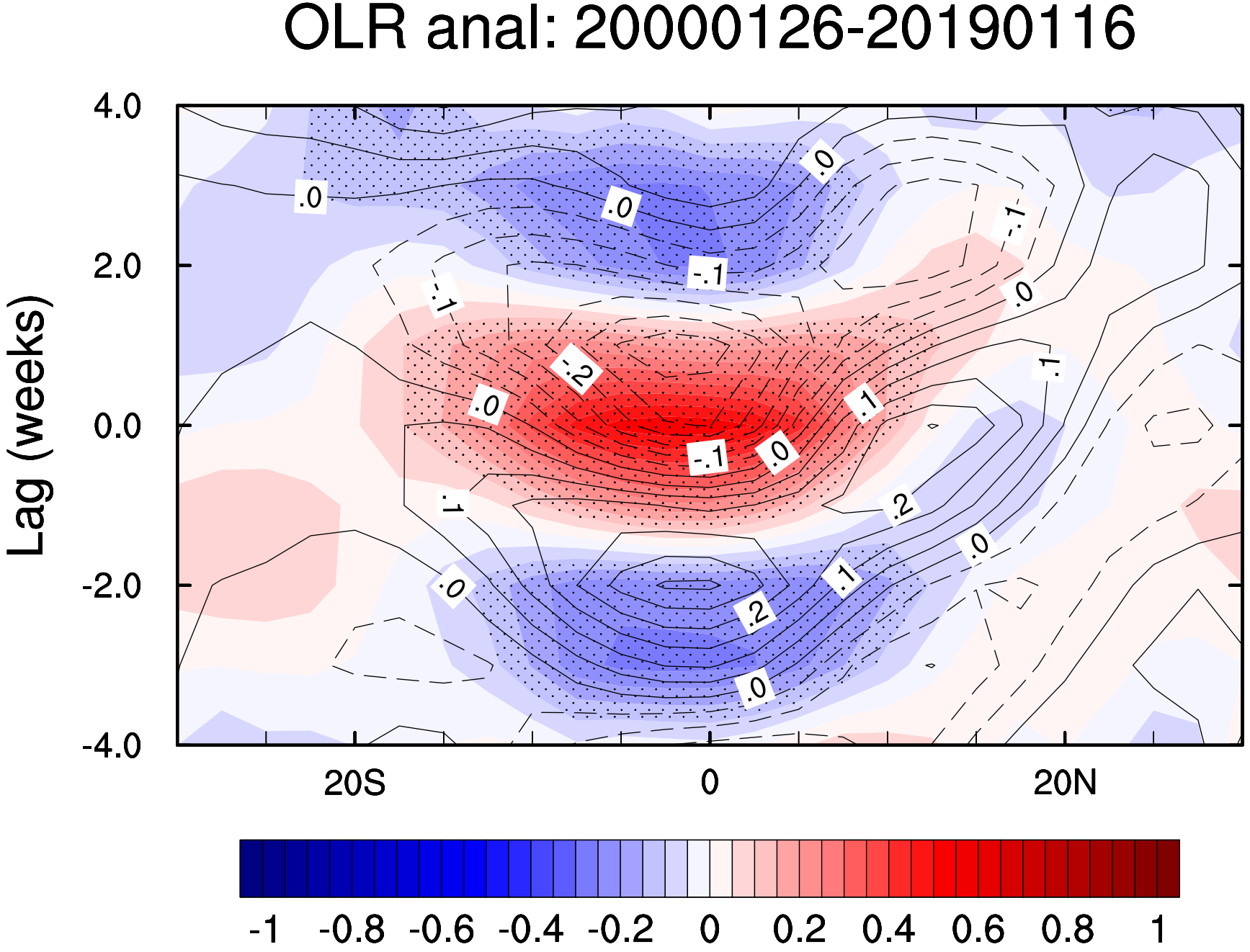

OLR forecast lead=20: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

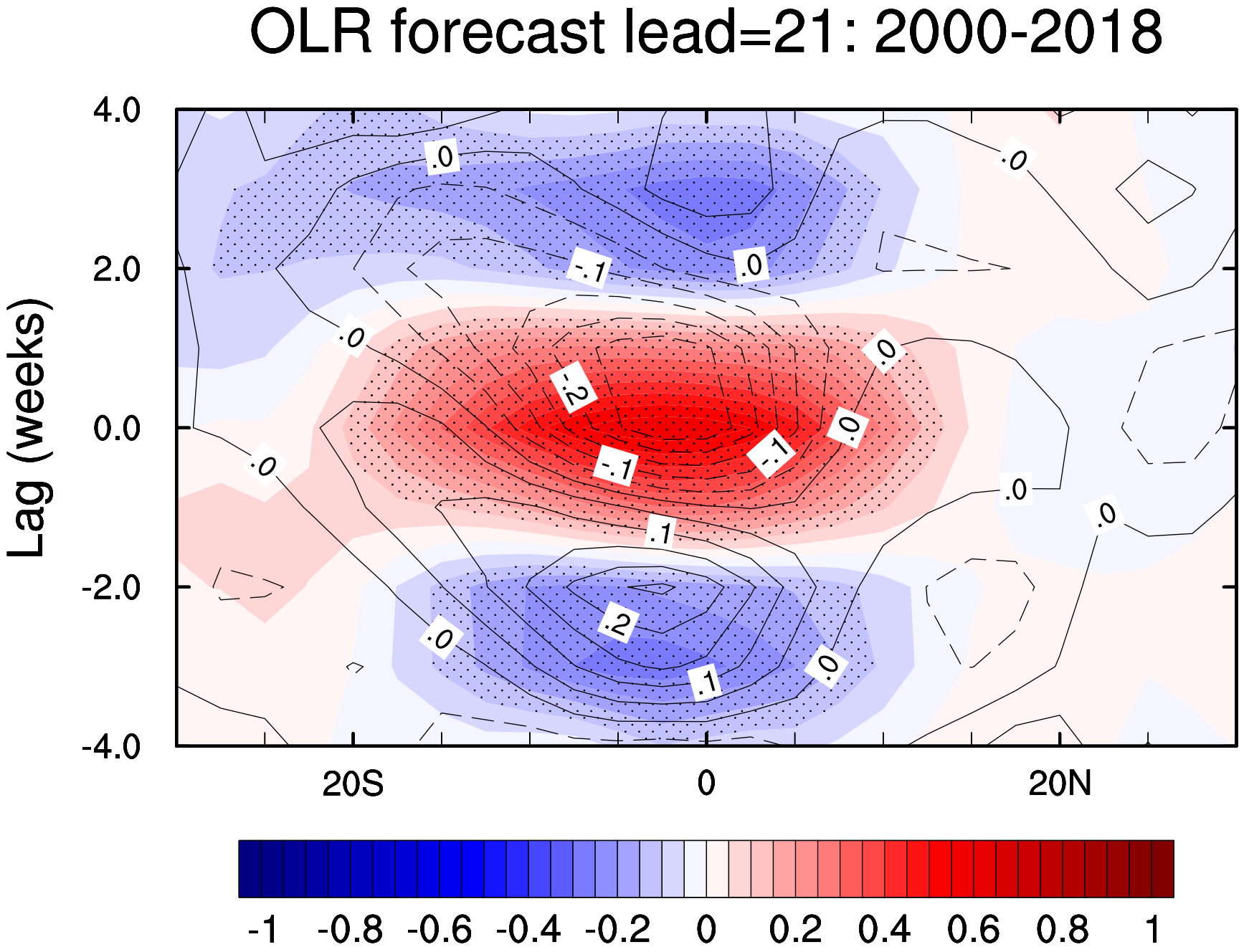

OLR anal: 20000125-20190115
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1


OLR forecast lead=20: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

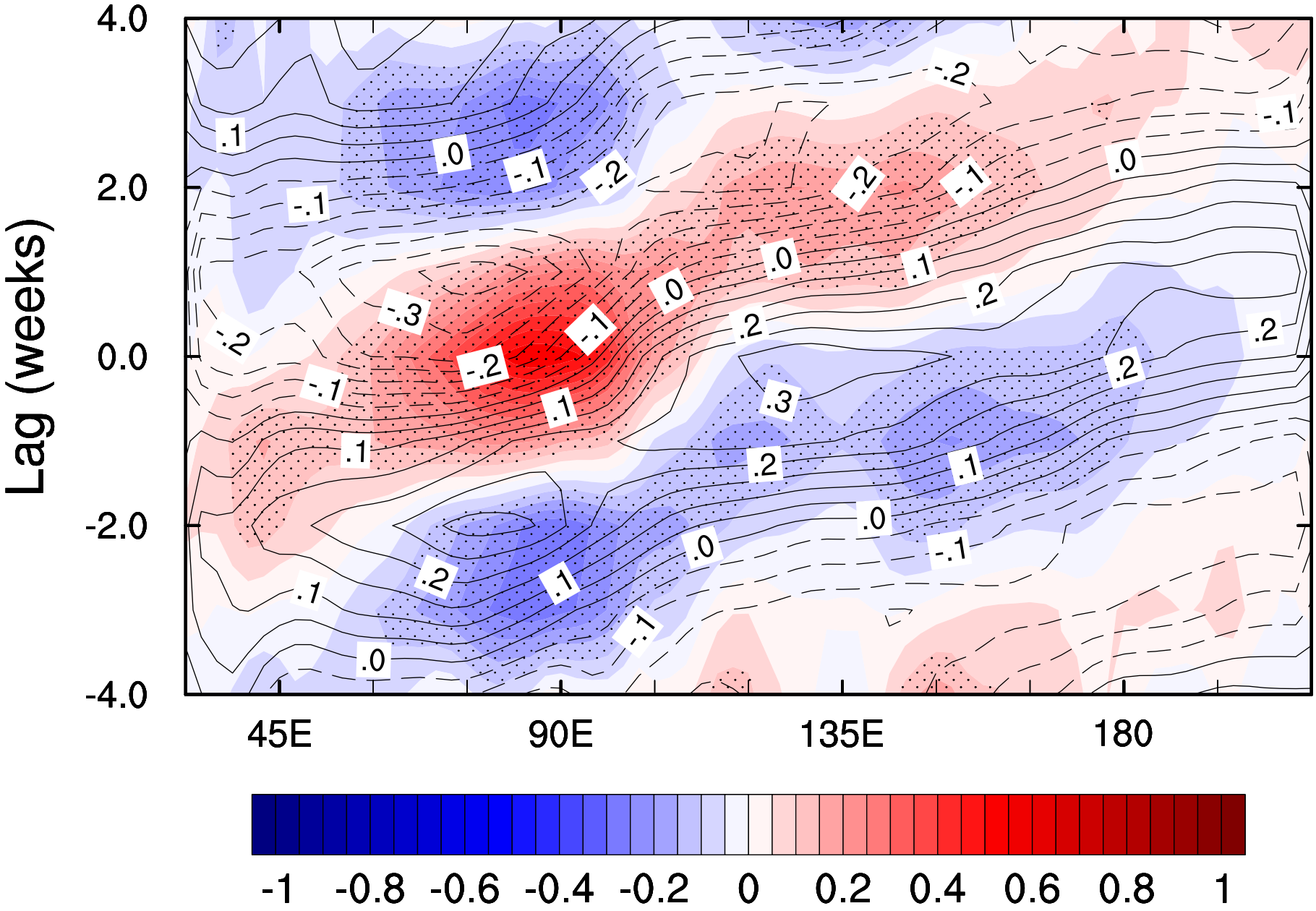

OLR anal: 20000126-20190116
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

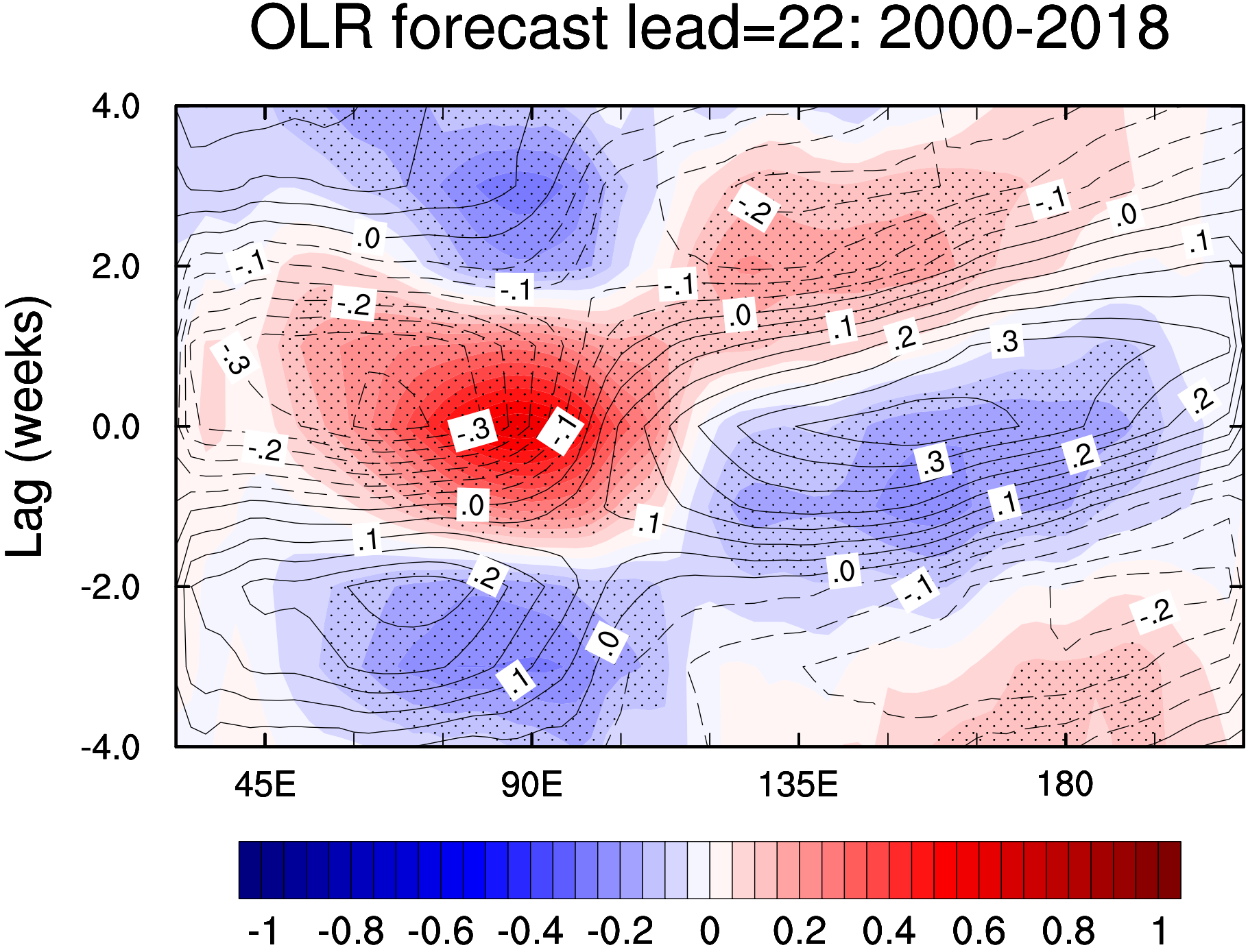

OLR forecast lead=21: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

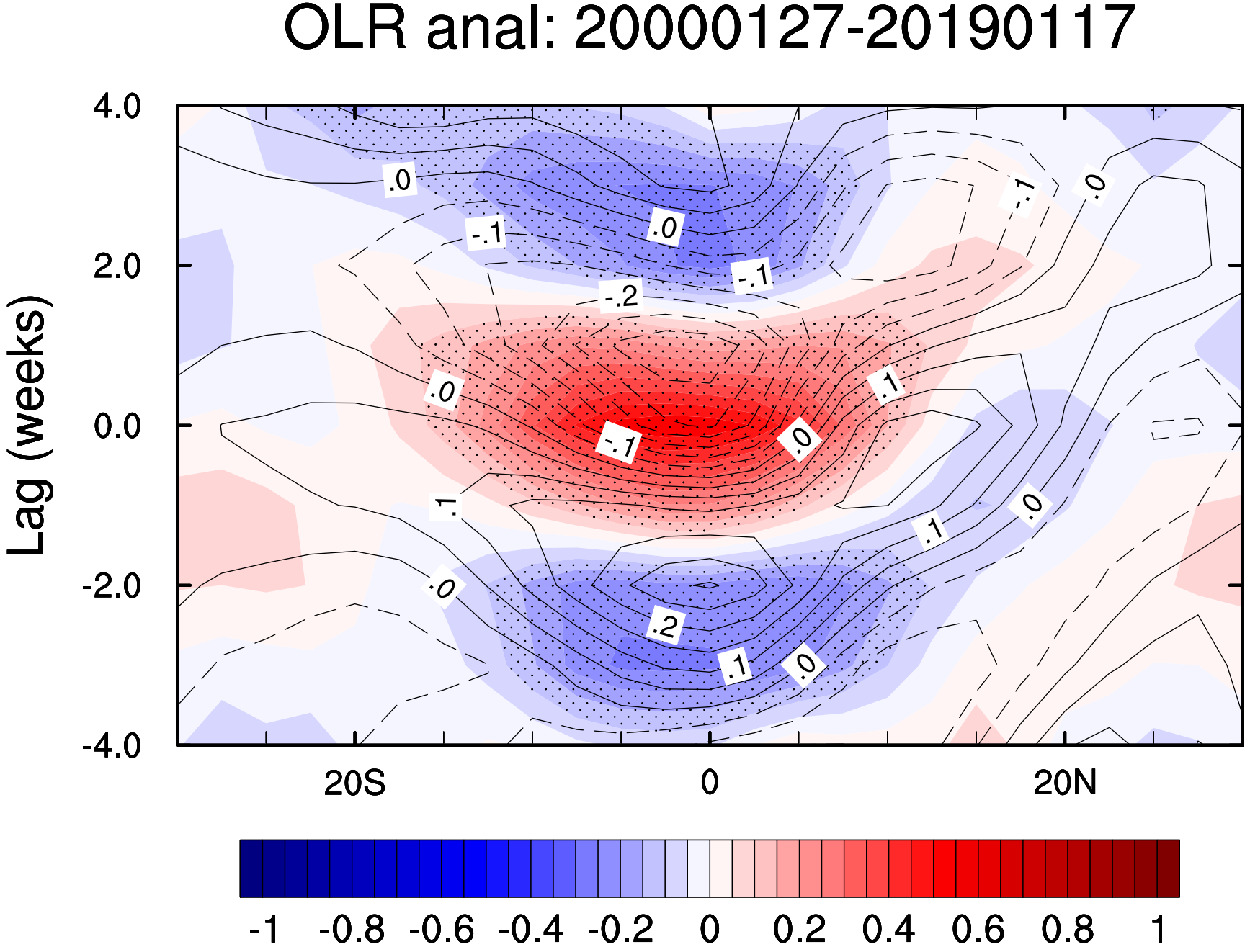

OLR anal: 20000126-20190116
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

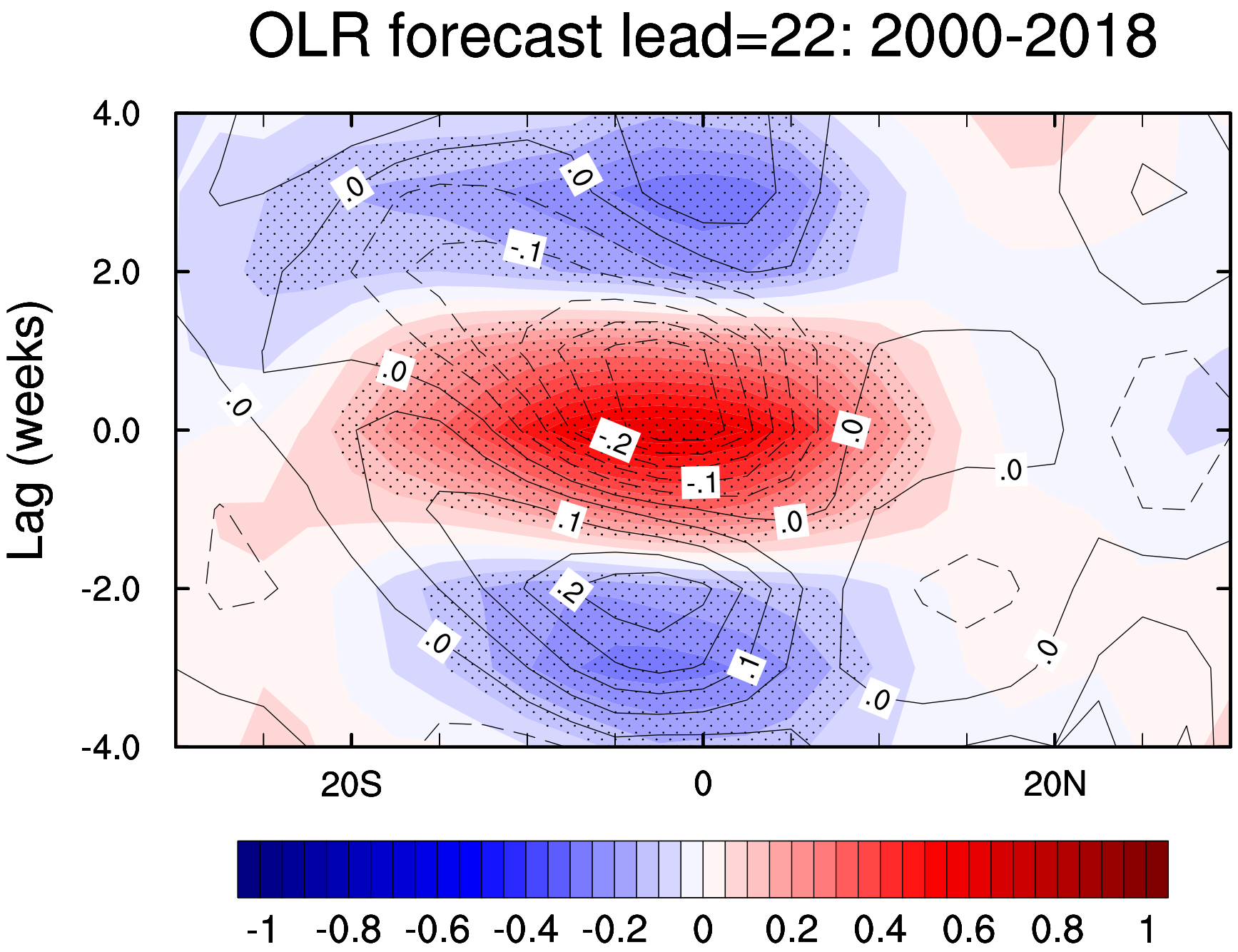

OLR forecast lead=21: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

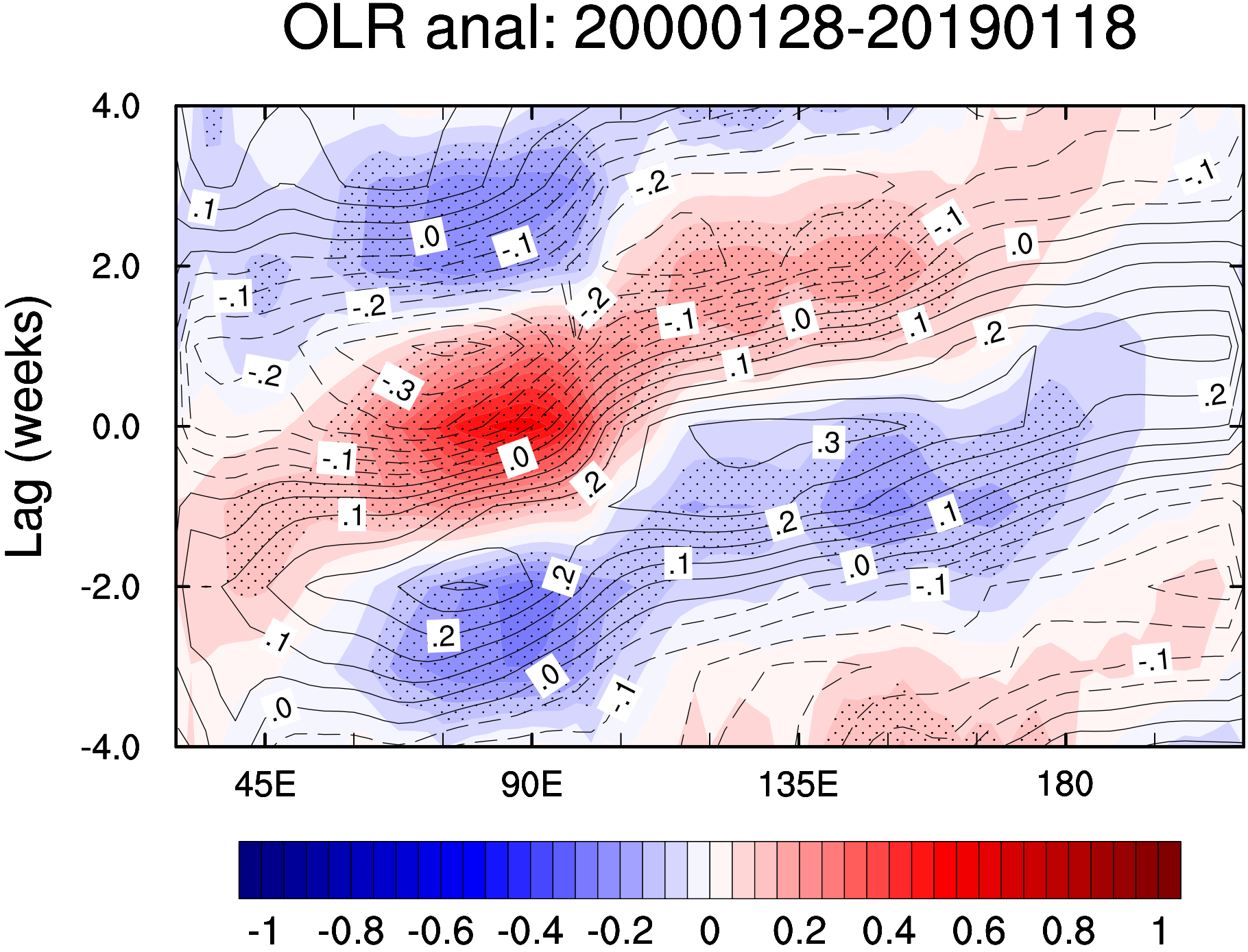
OLR anal: 20000127-20190117



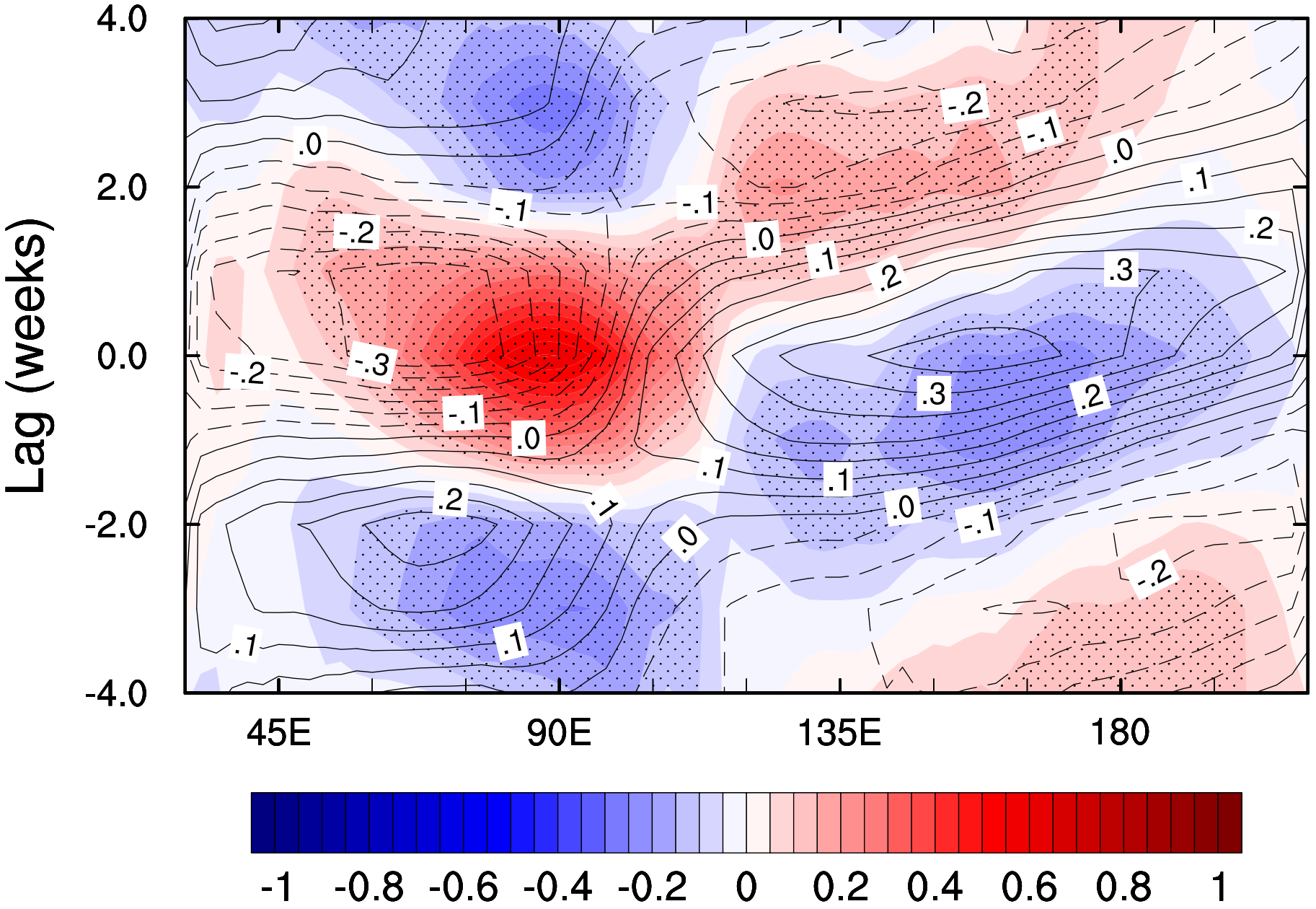

OLR forecast lead=22: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

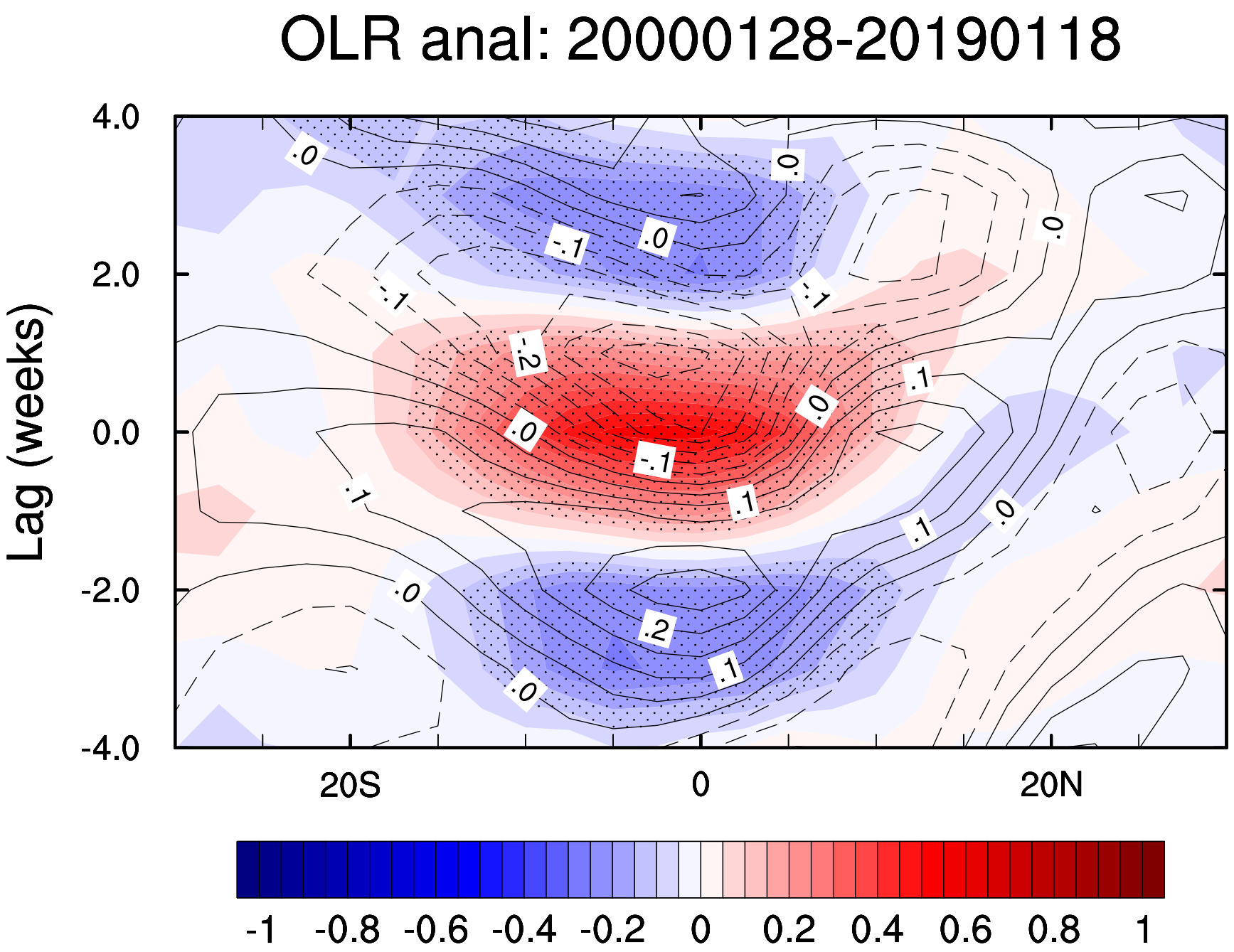

OLR anal: 20000127-20190117
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

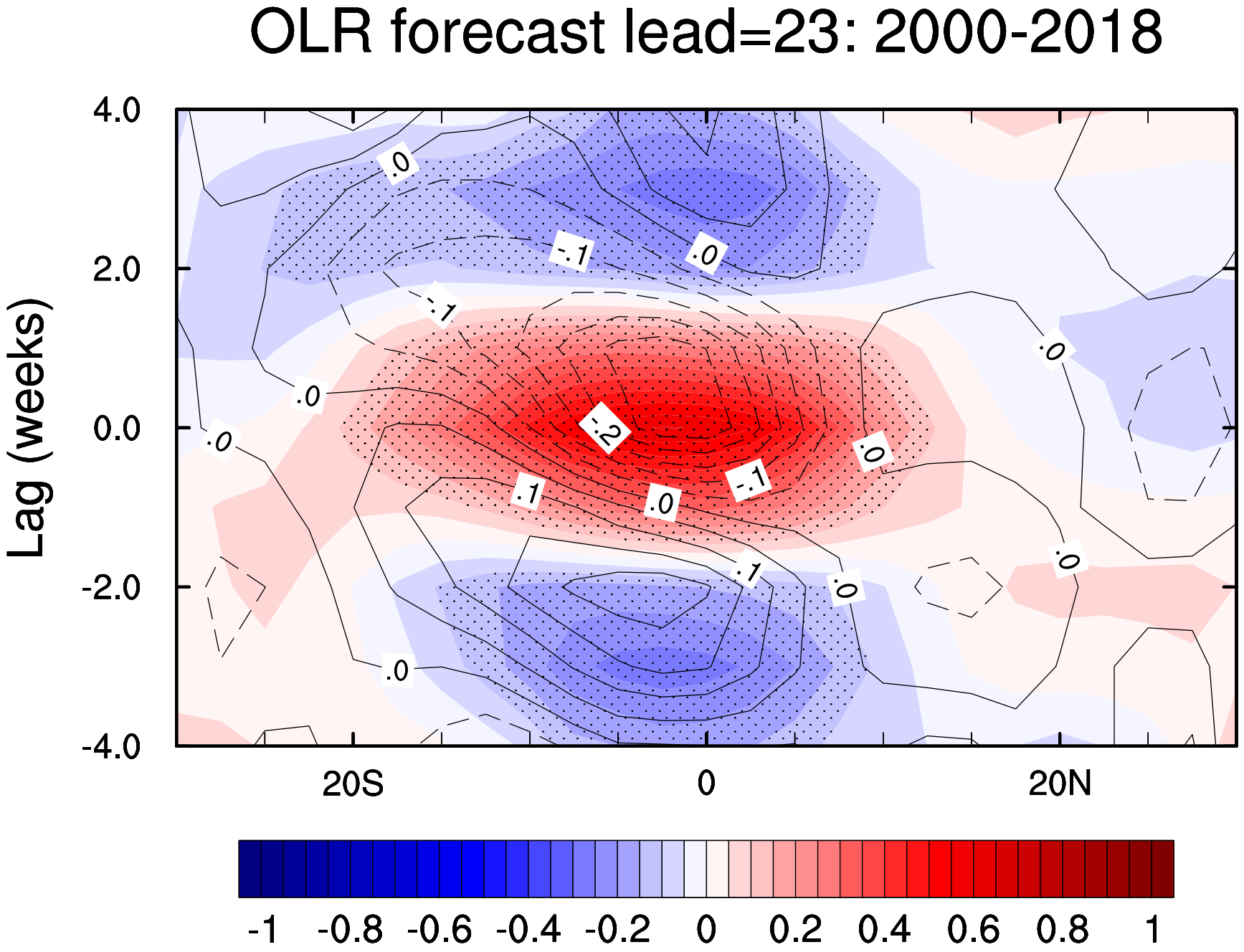

OLR forecast lead=22: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

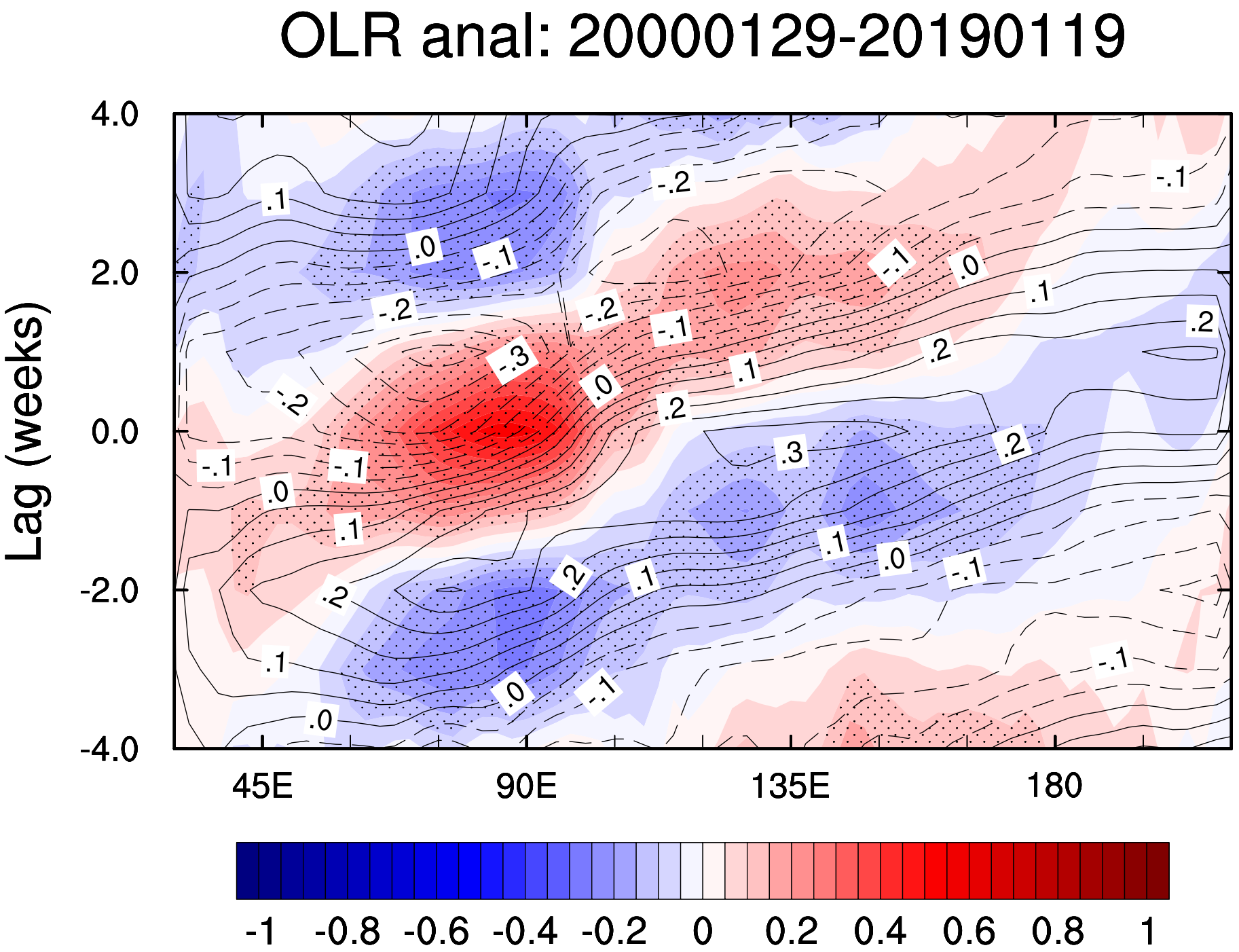

OLR anal: 20000128-20190118
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

OLR forecast lead=23: 2000-2018

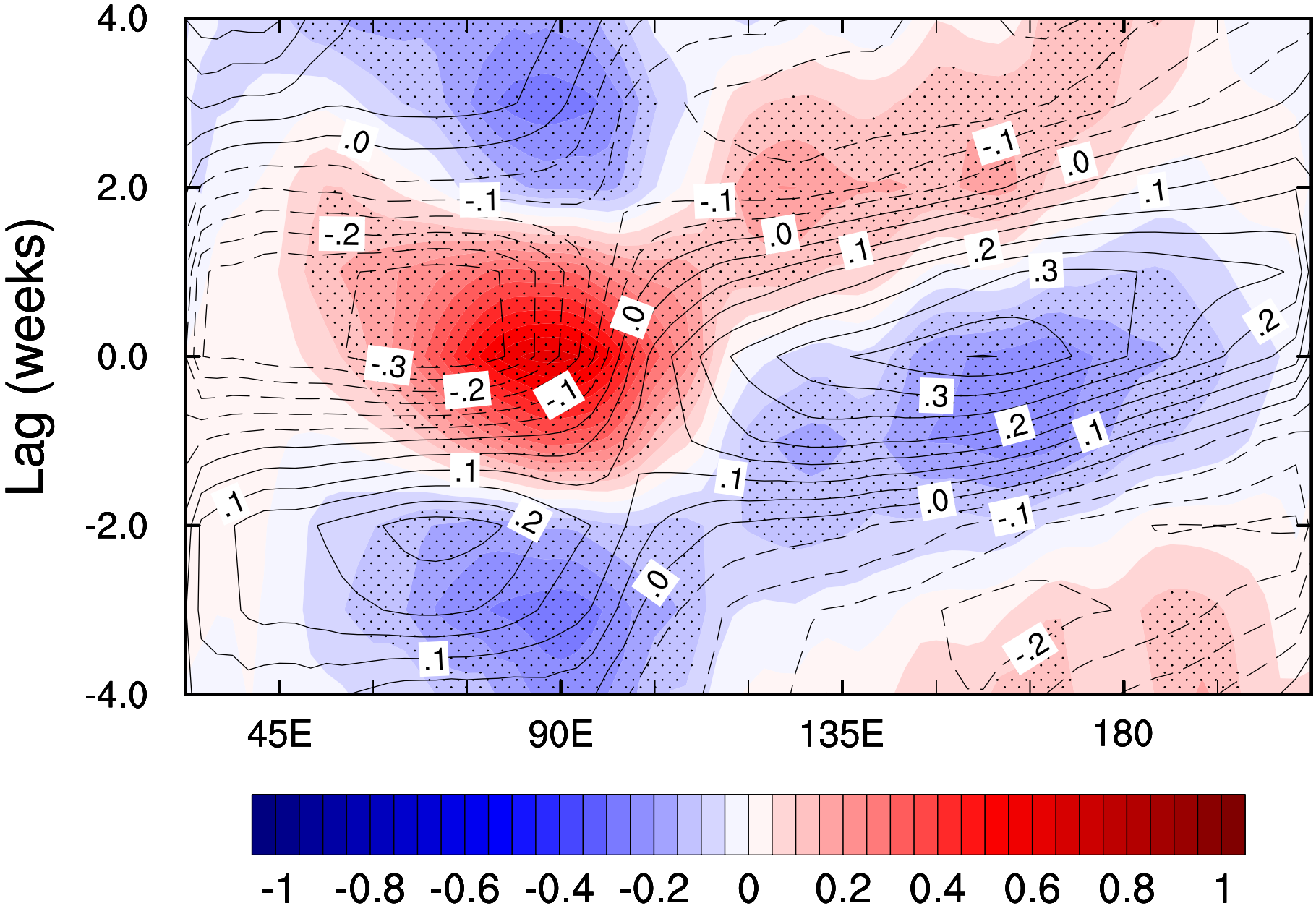


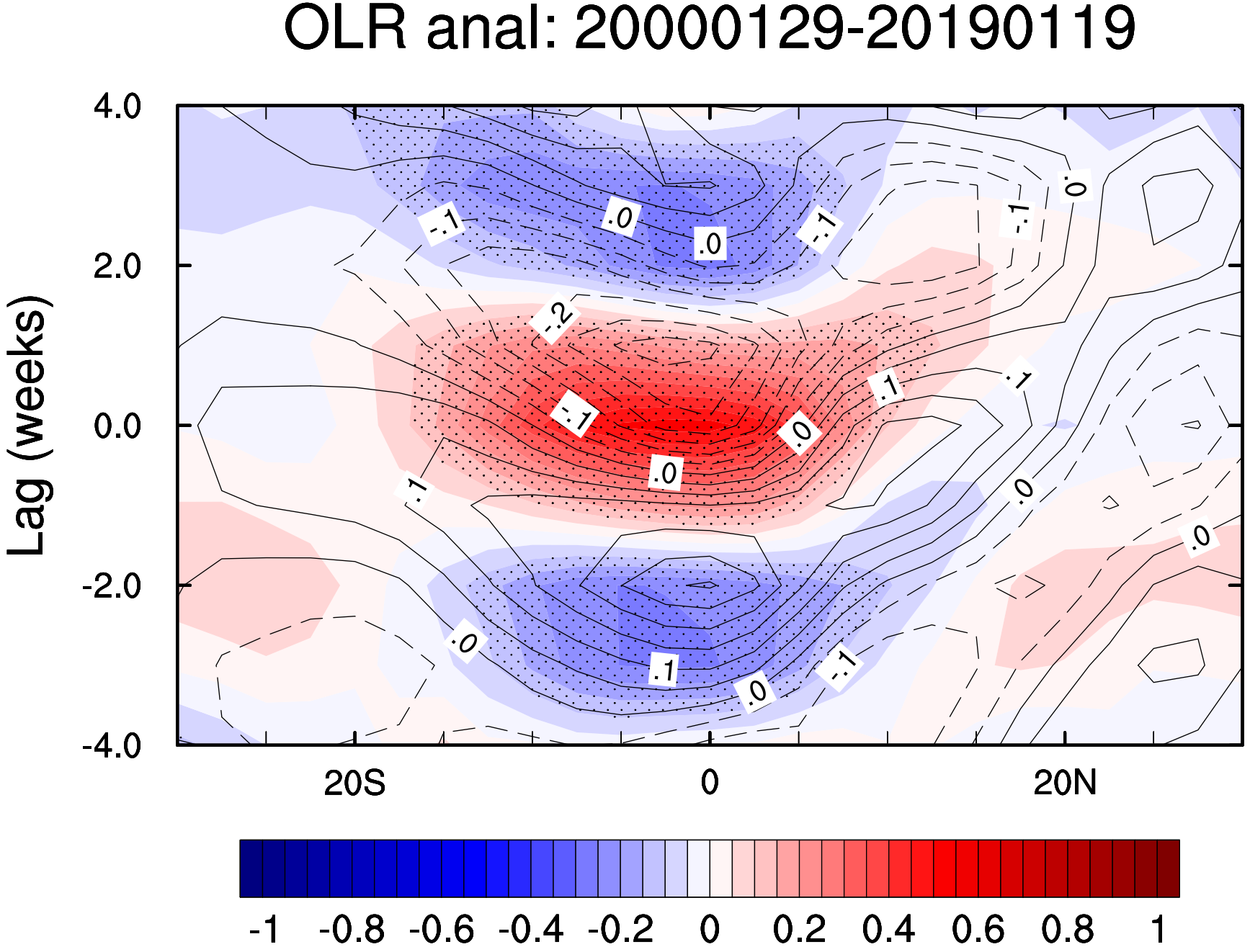

OLR anal: 20000128-20190118
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

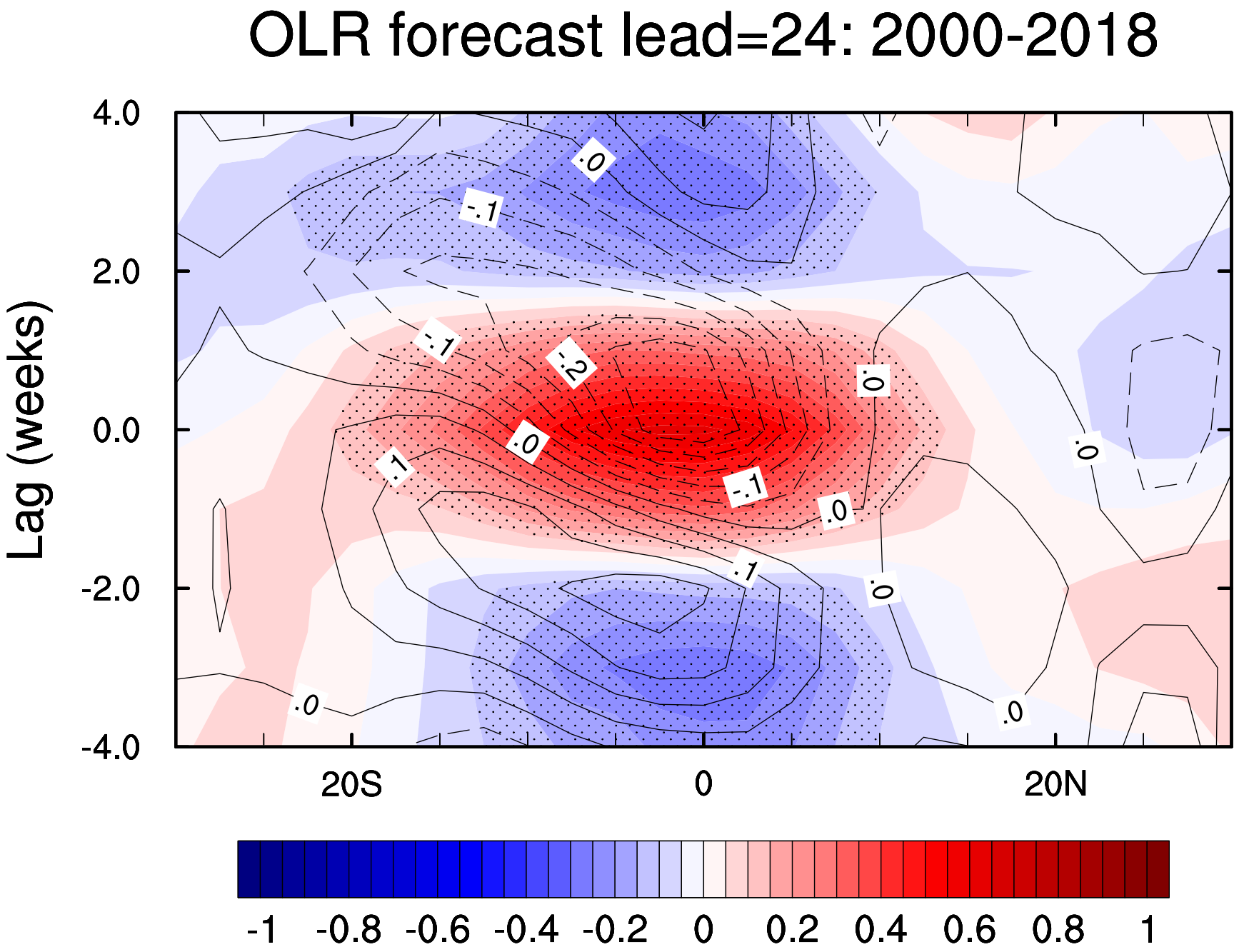

OLR forecast lead=23: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

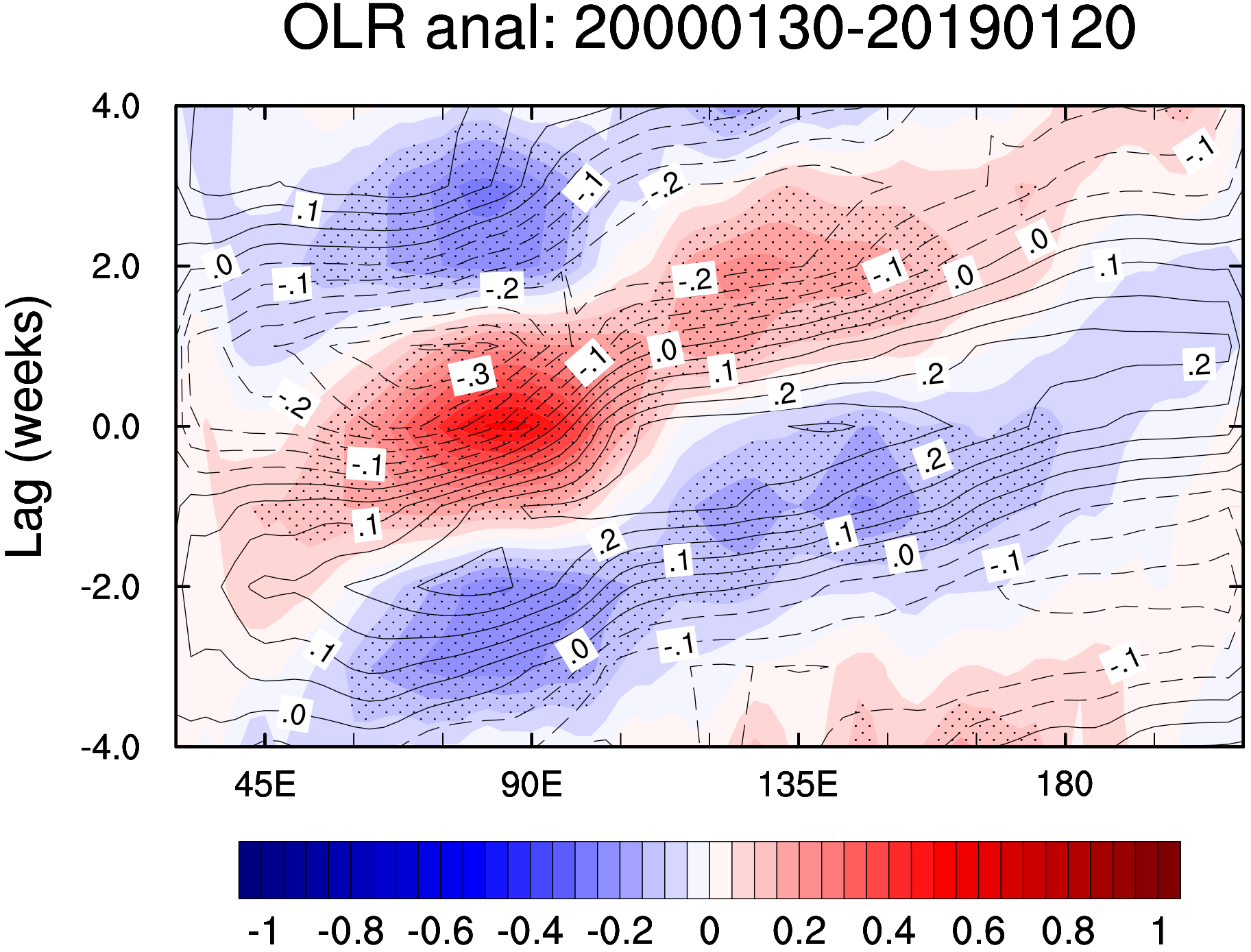

OLR anal: 20000129-20190119
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

OLR forecast lead=24: 2000-2018

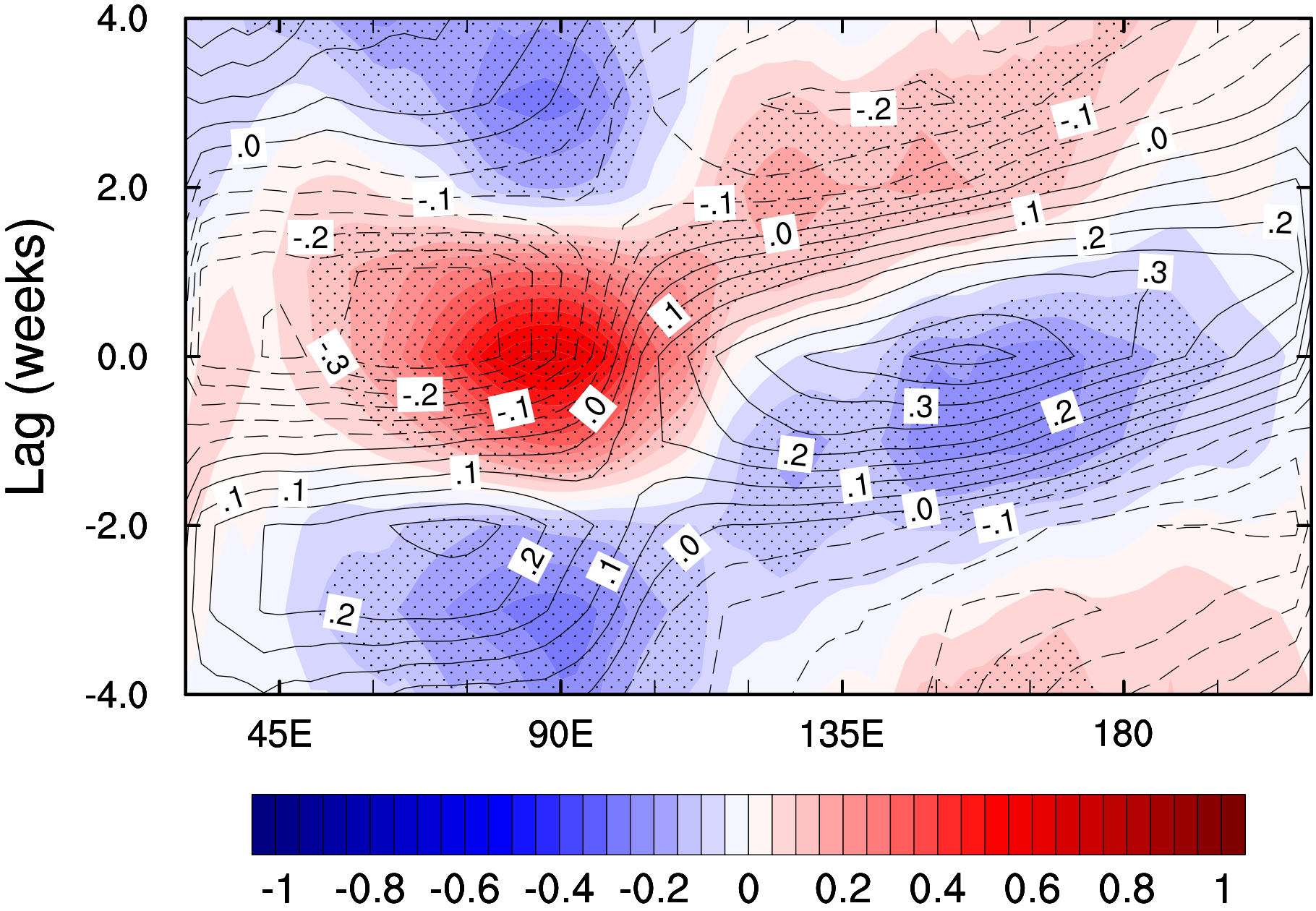


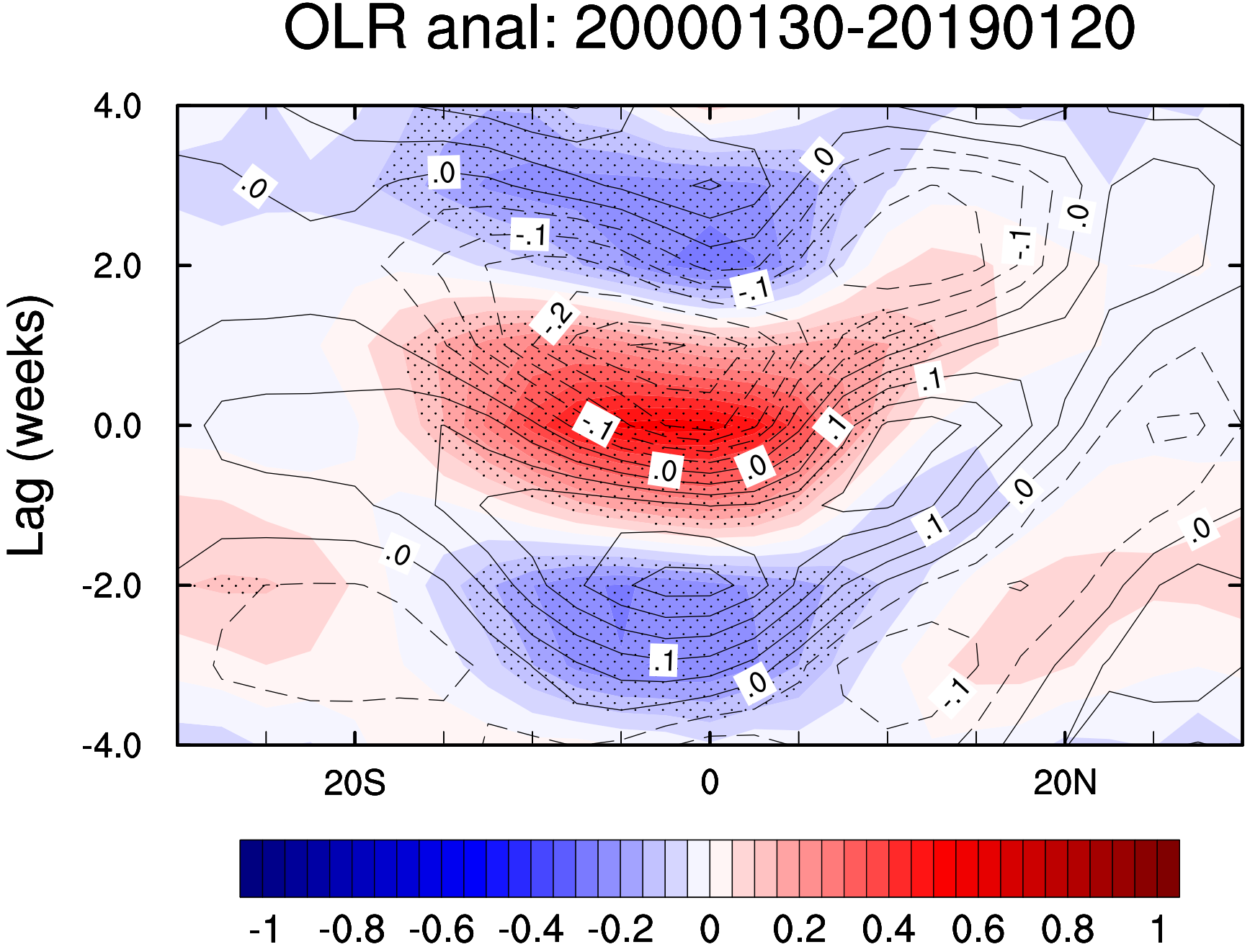

OLR anal: 20000129-20190119
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

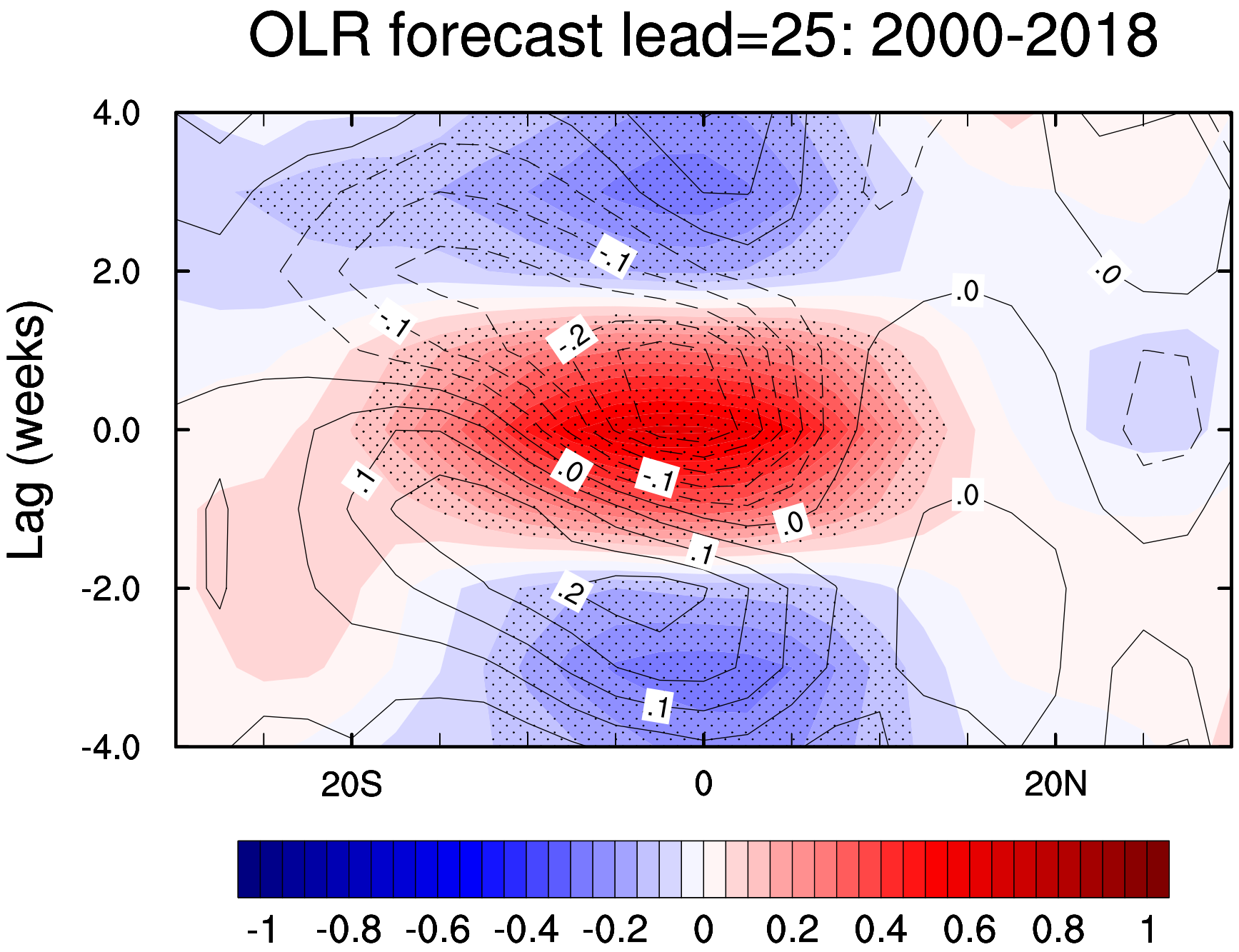

OLR forecast lead=24: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1


OLR anal: 20000130-20190120
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

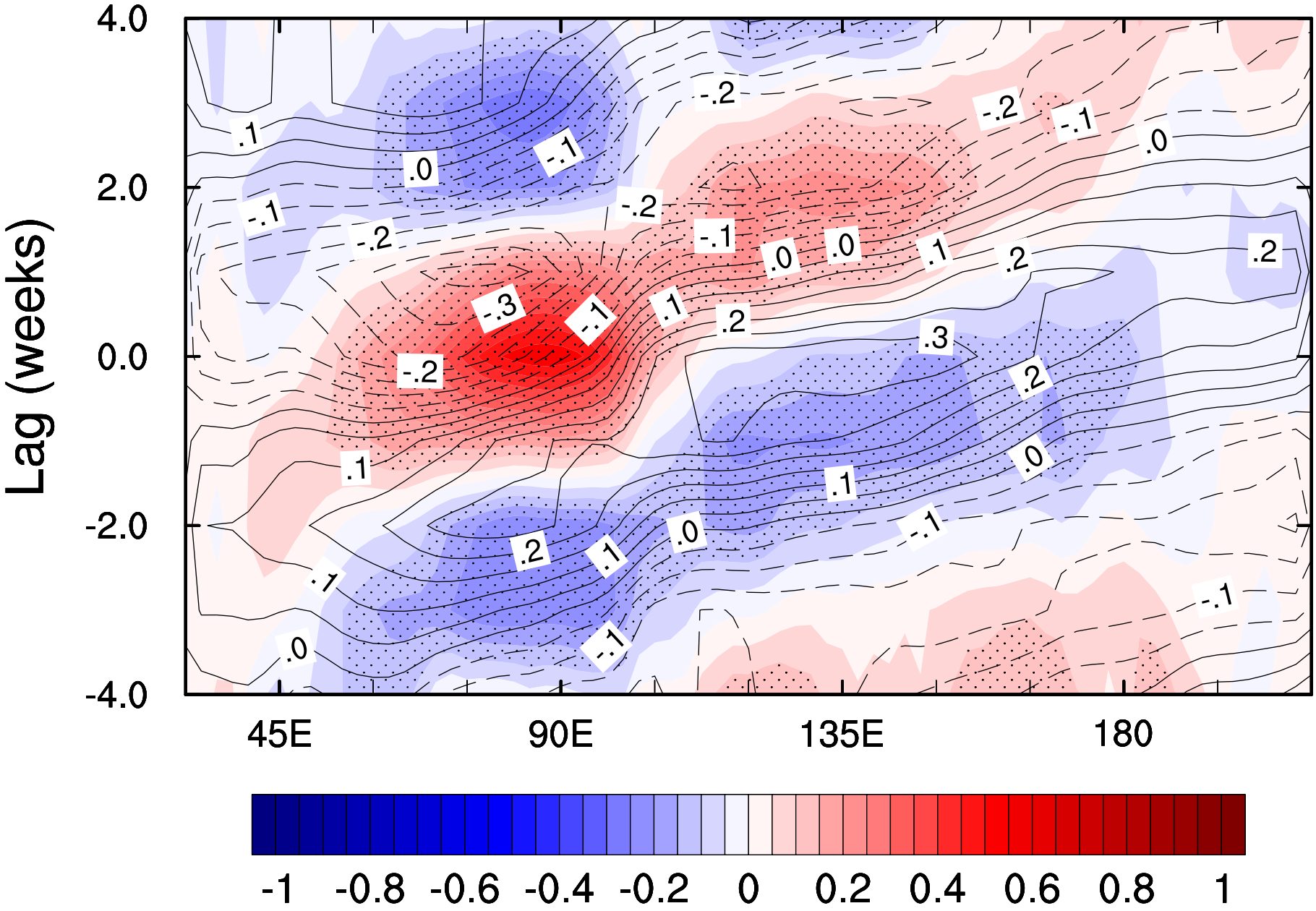
OLR forecast lead=25: 2000-2018

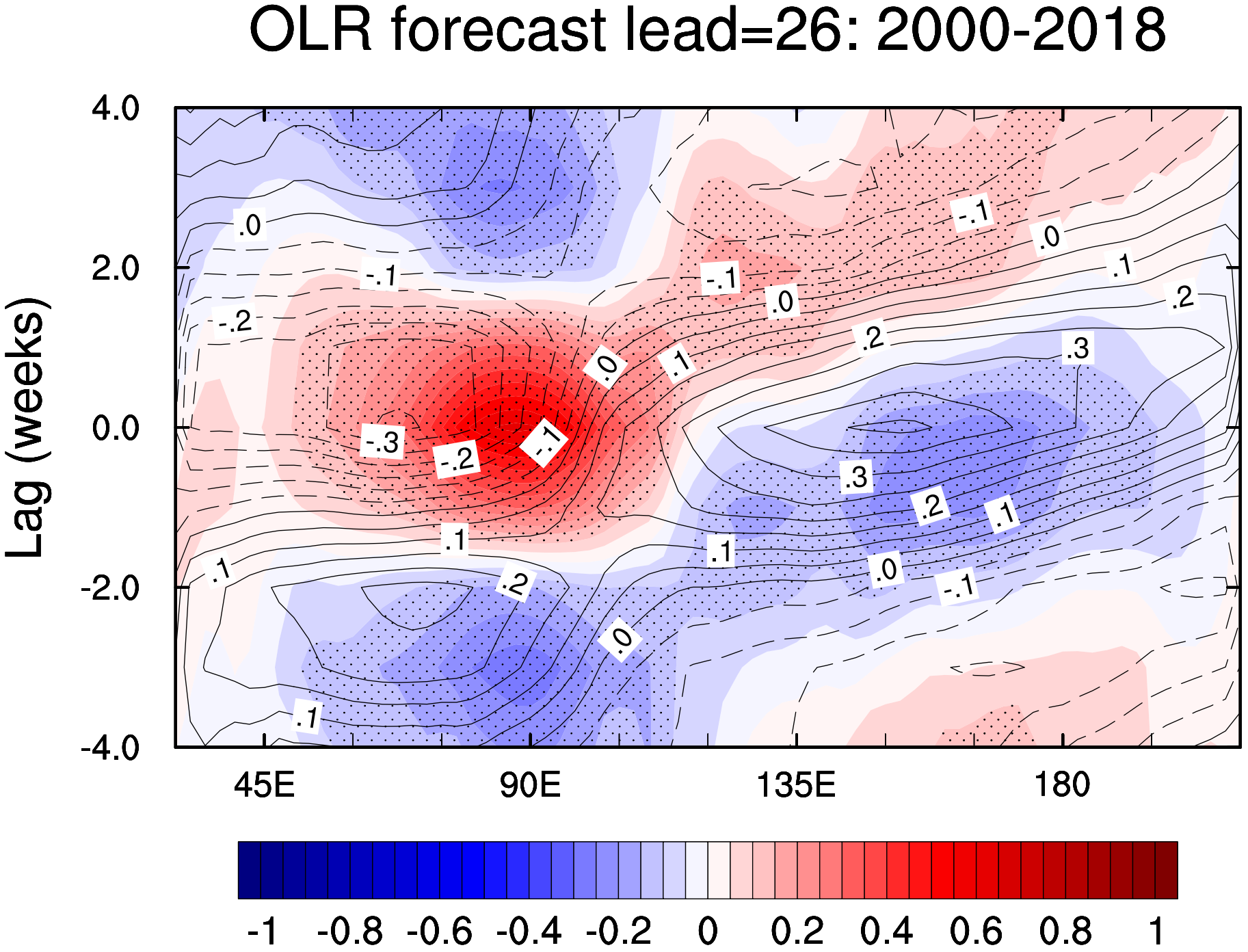


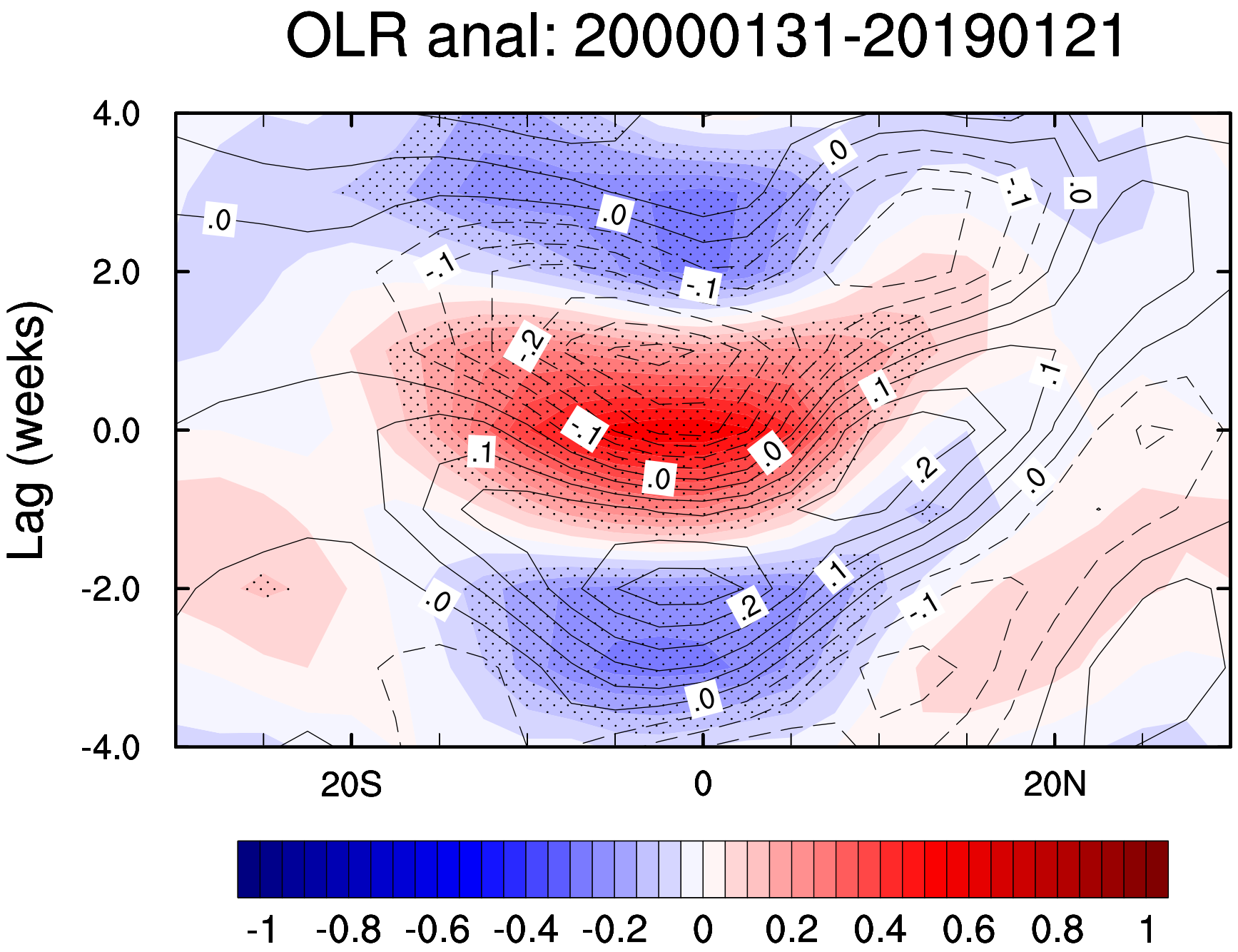

OLR anal: 20000130-20190120
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

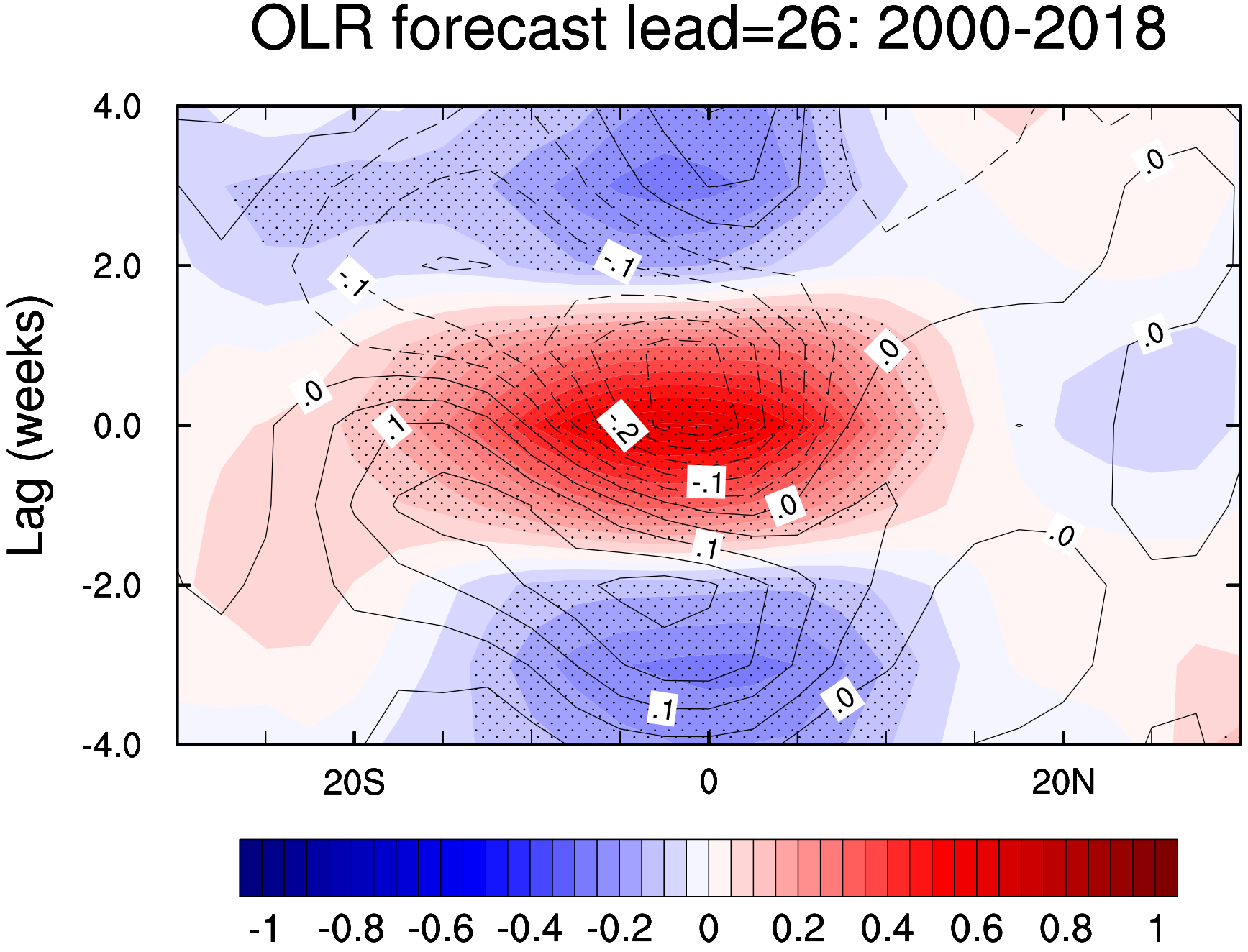

OLR forecast lead=25: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-.1
-.2
.0
.1
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

OLR anal: 20000131-20190121

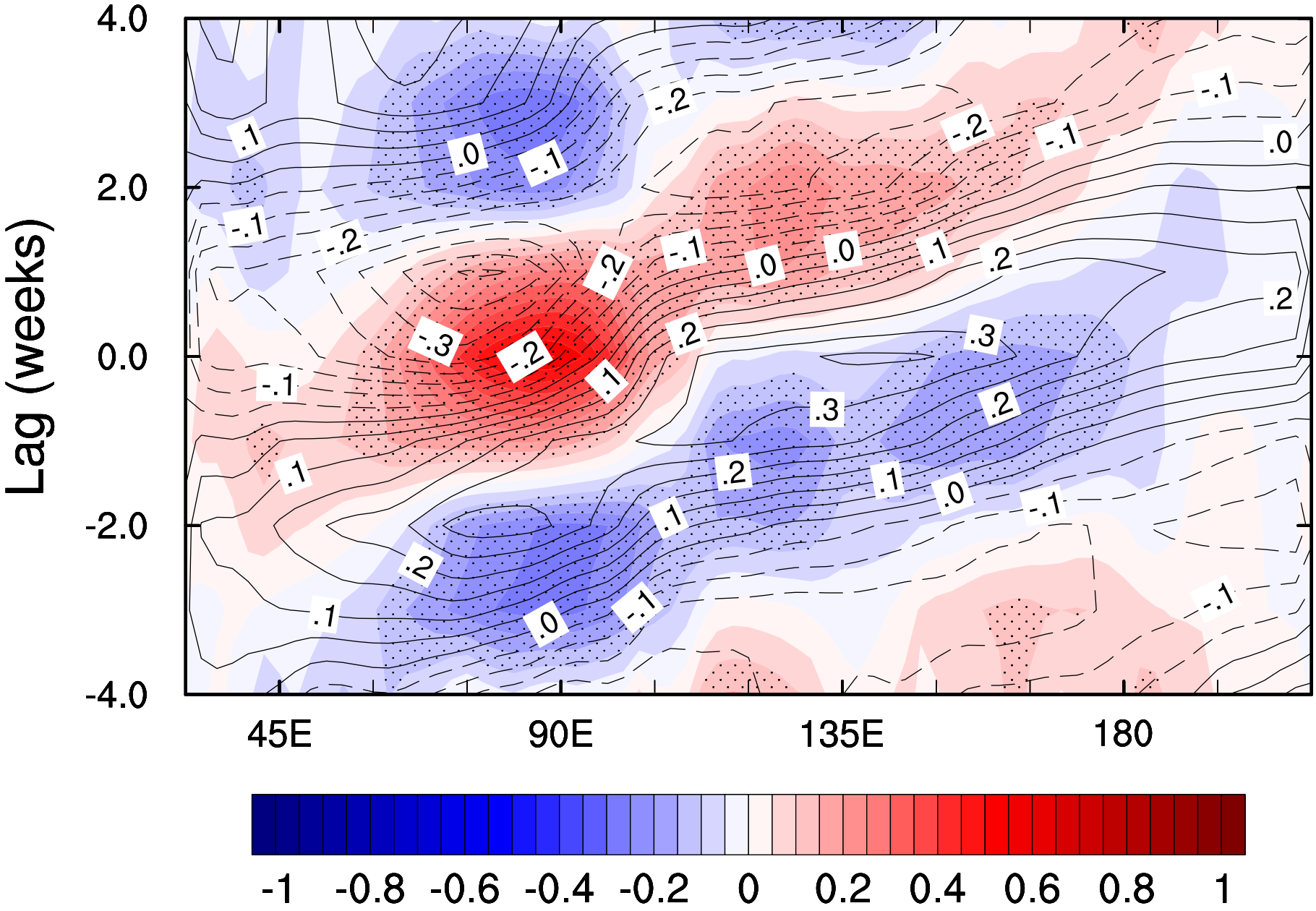


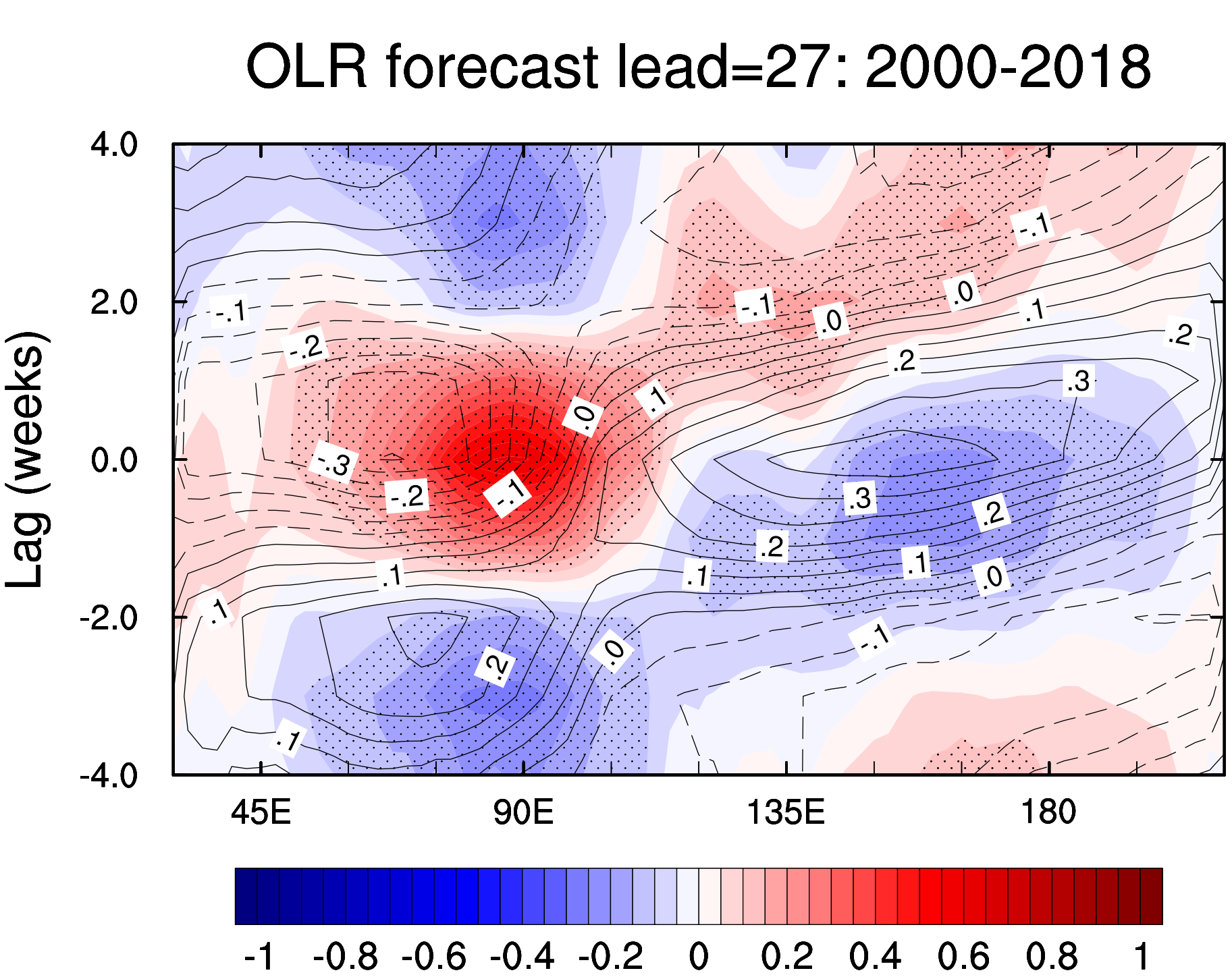

OLR forecast lead=26: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

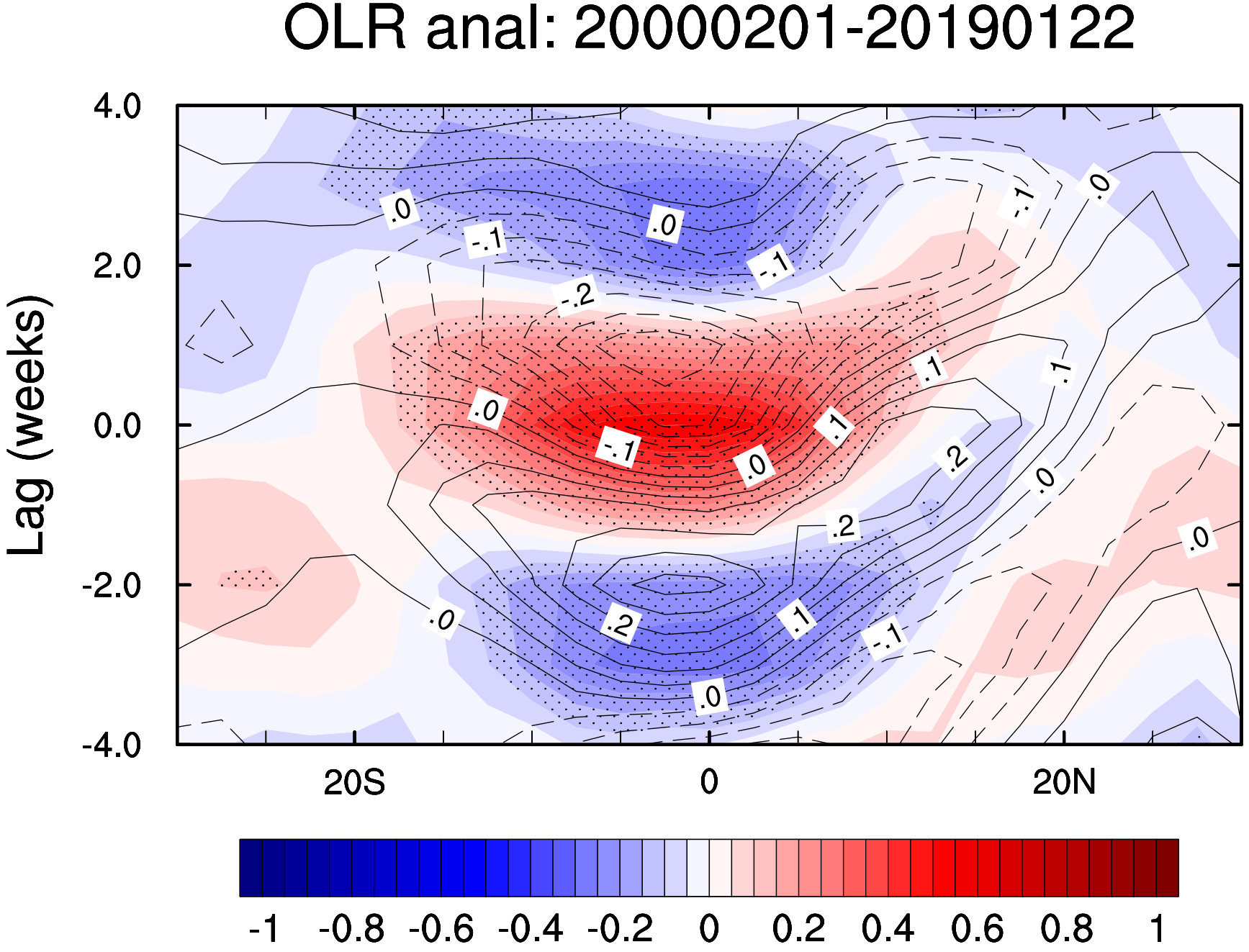

OLR anal: 20000131-20190121
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

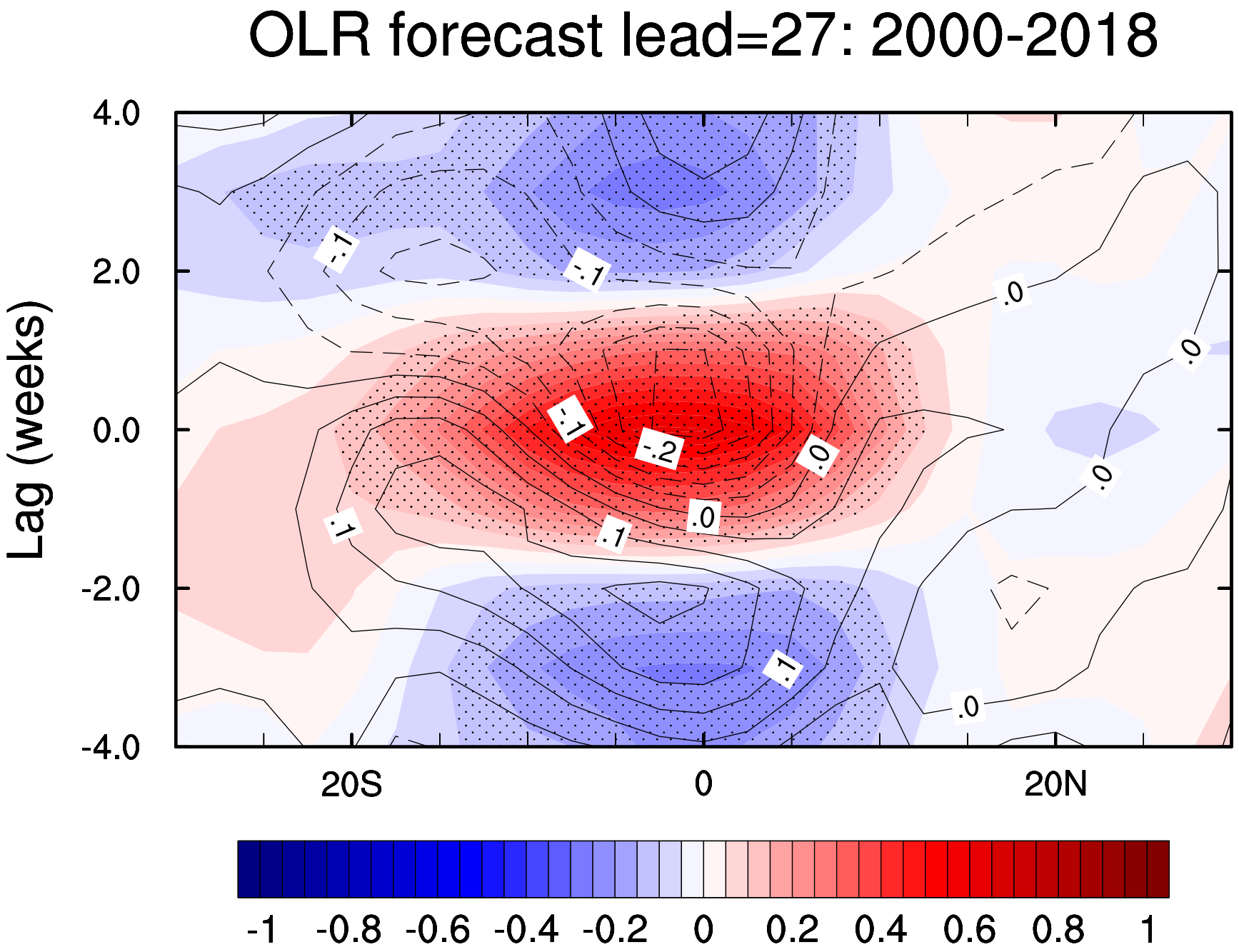

OLR forecast lead=26: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-.1
.0
.1
-.2
-.1
.0
.1
.0
-.1
.0
.0
.0
.1
.0
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

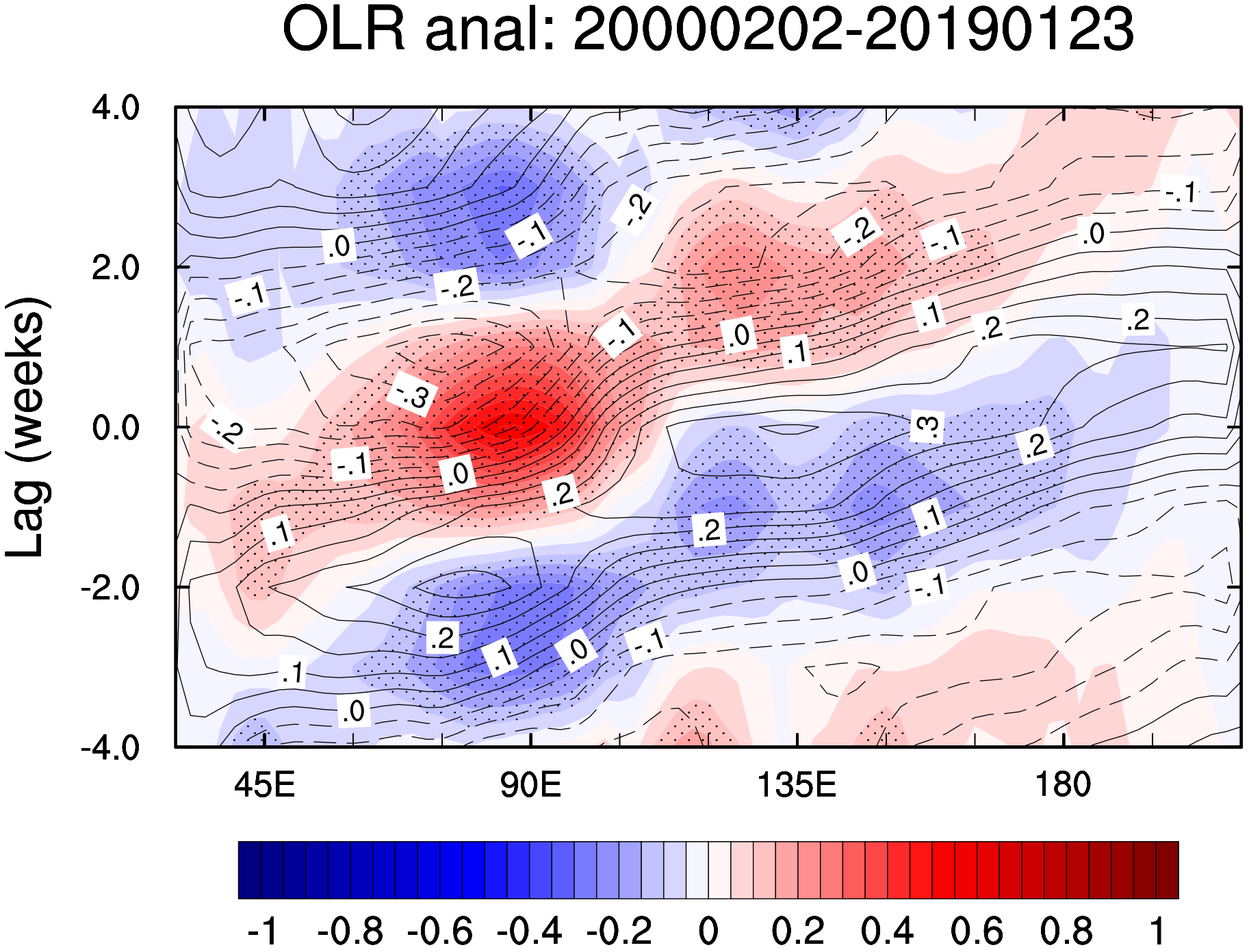
OLR anal: 20000201-20190122

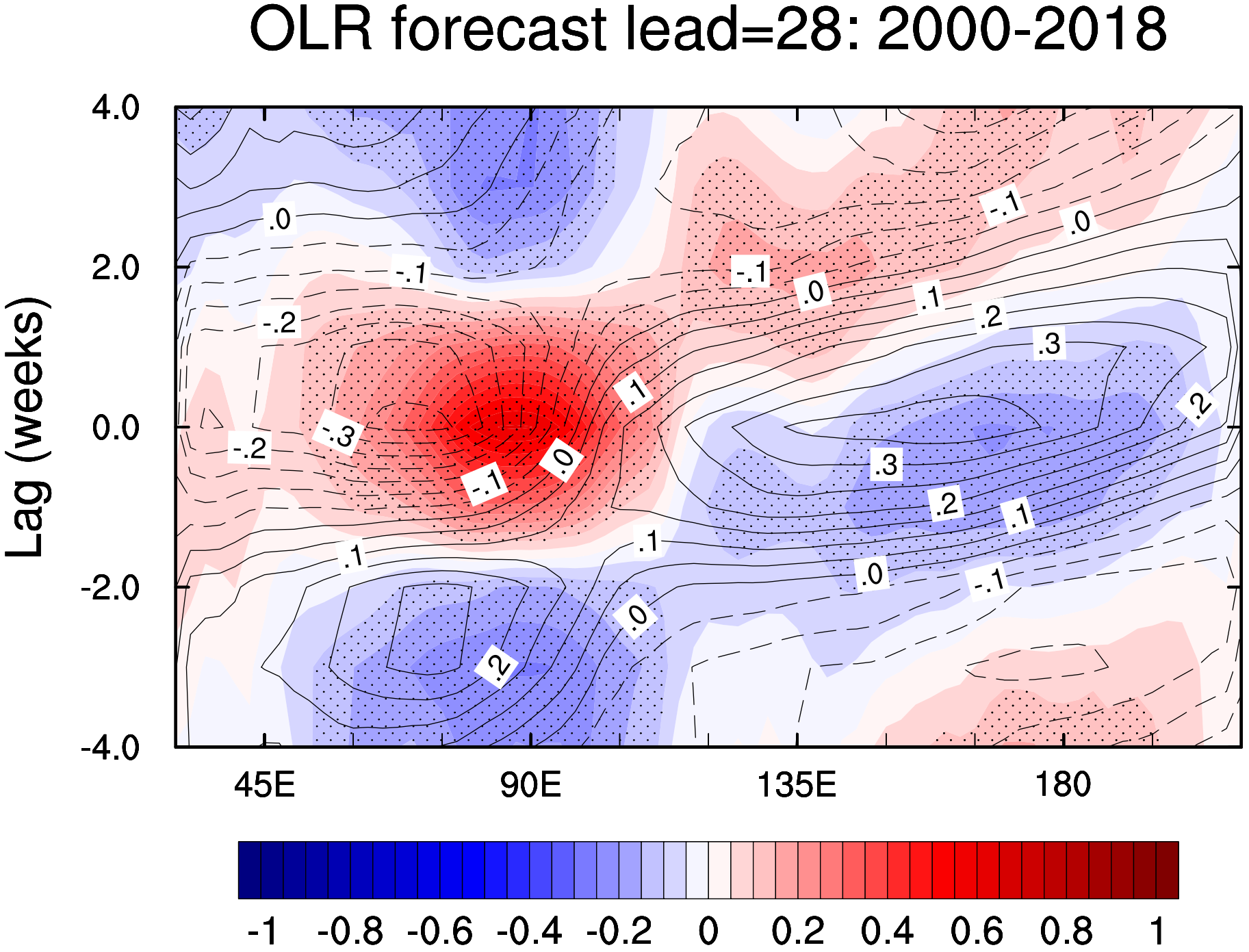


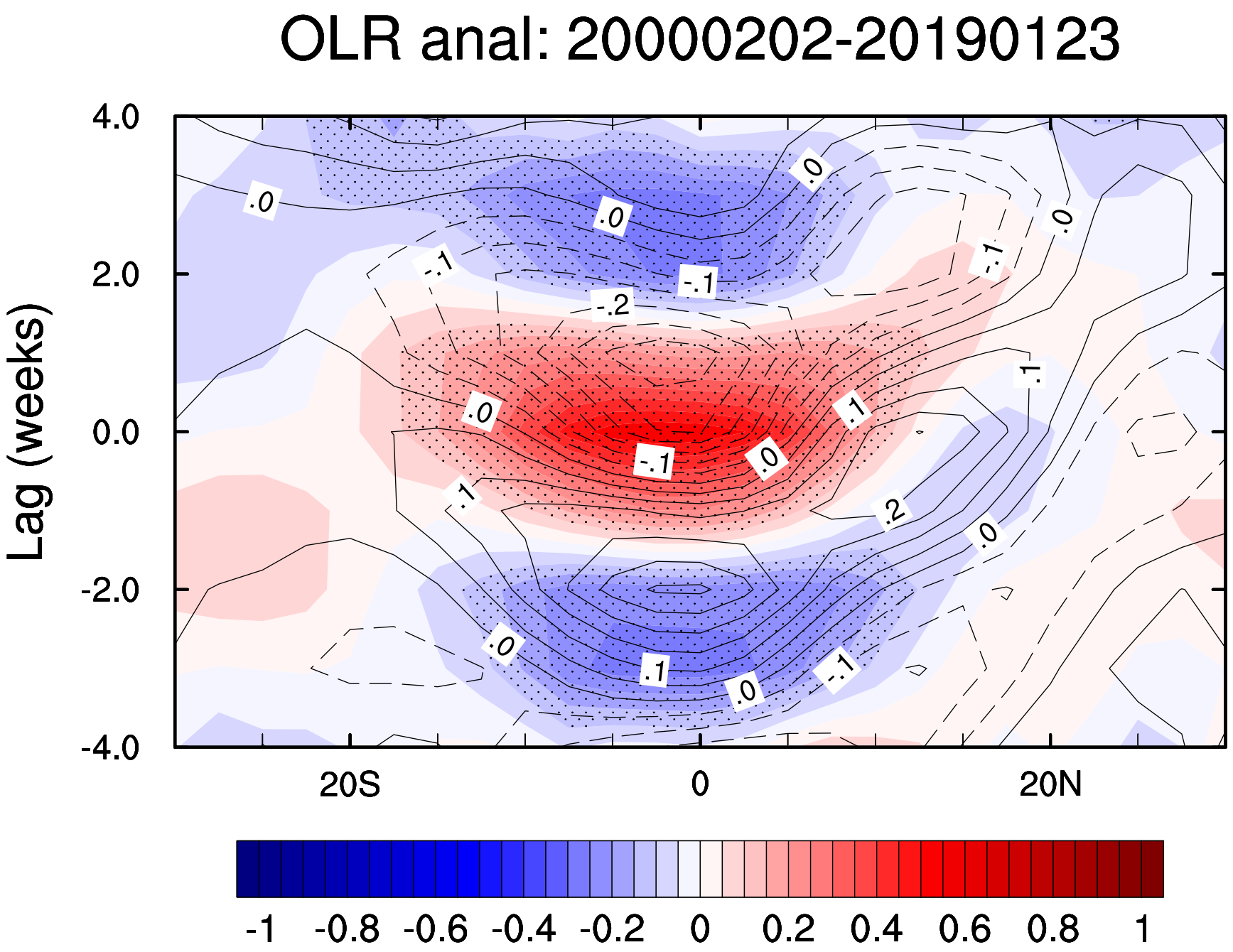

OLR forecast lead=27: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

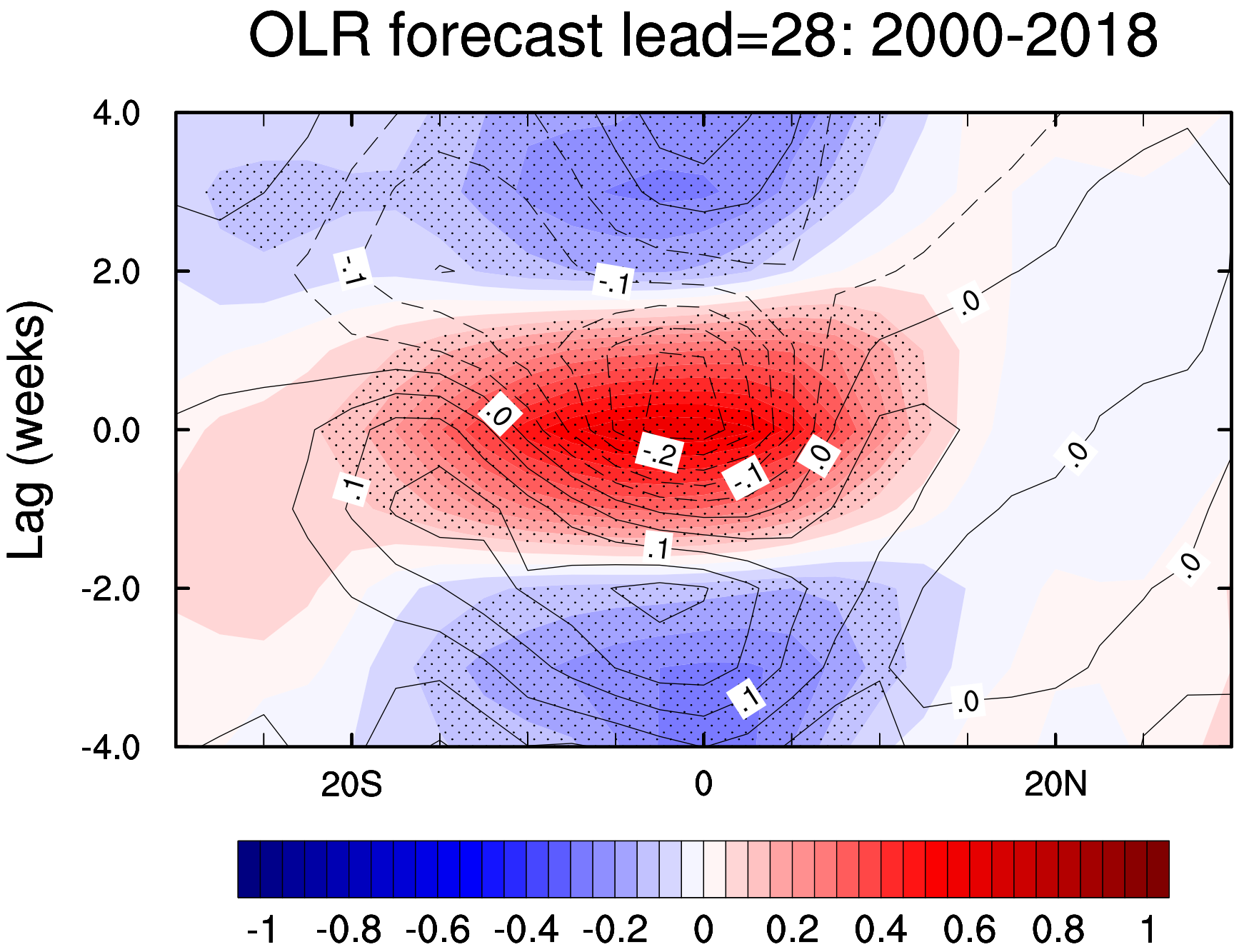

OLR anal: 20000201-20190122
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

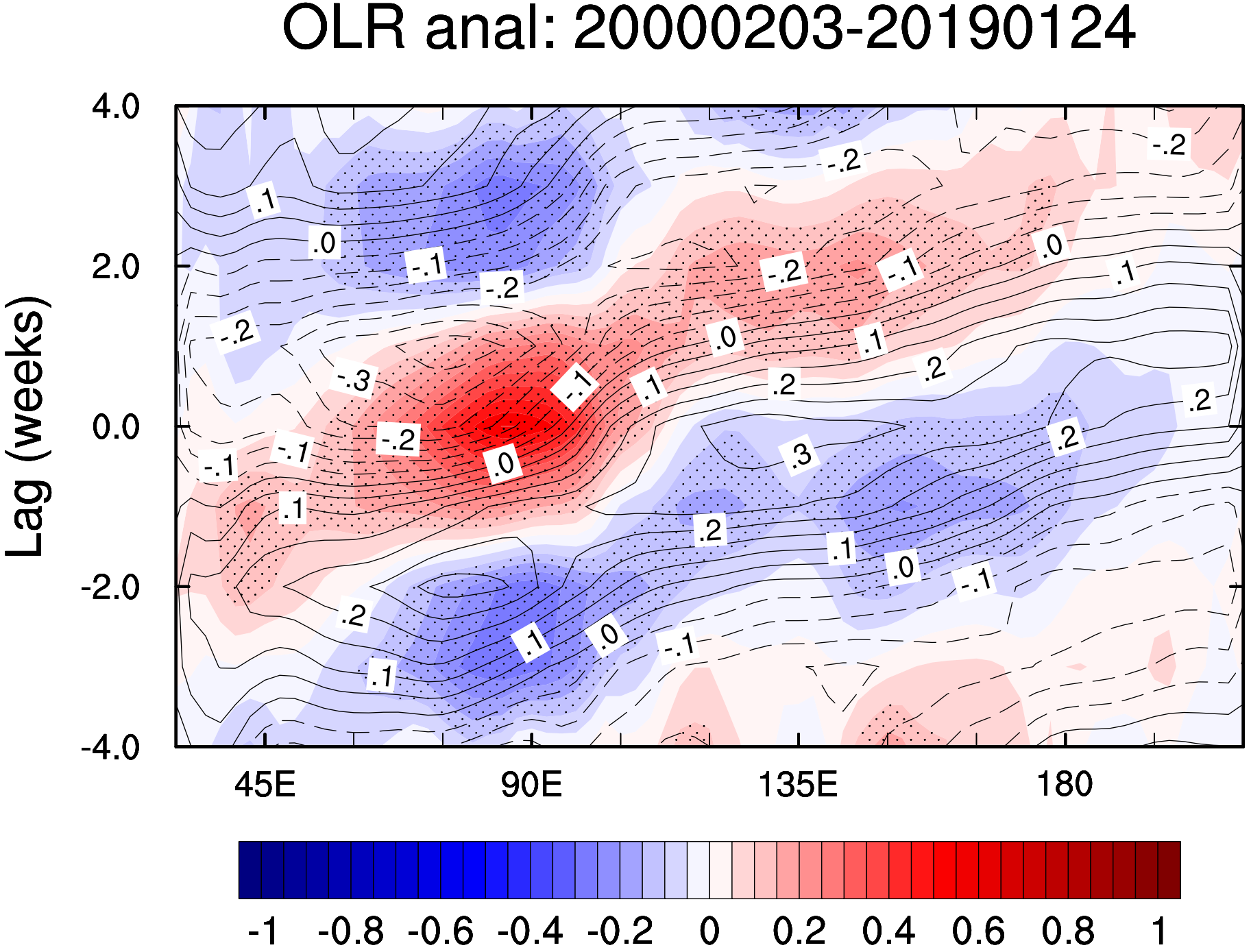

OLR forecast lead=27: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-.1
-.1
.0
.0
-.1
-.2
.0
.0
.0
-.1
.1
.0
.1
.0
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

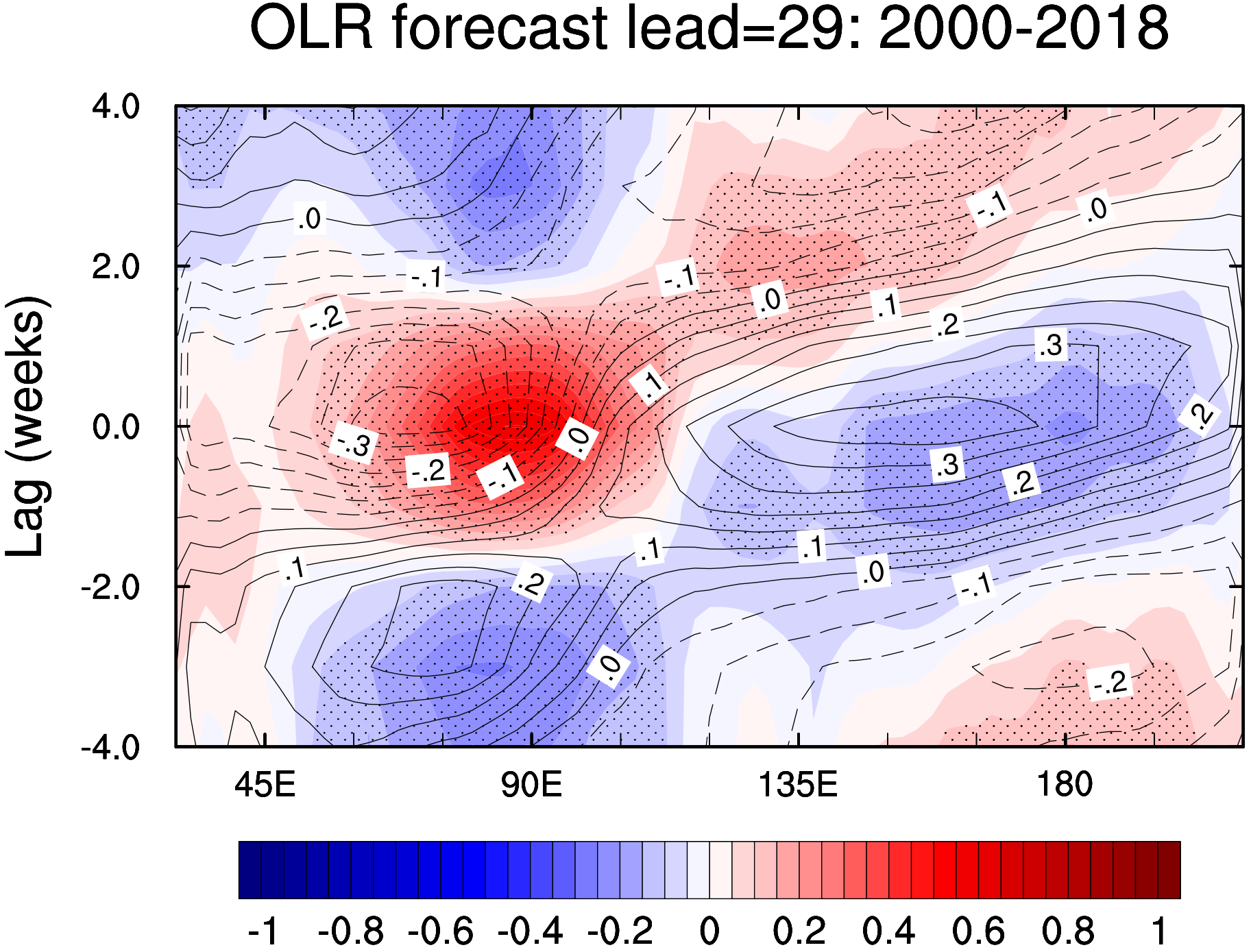

OLR anal: 20000202-20190123
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

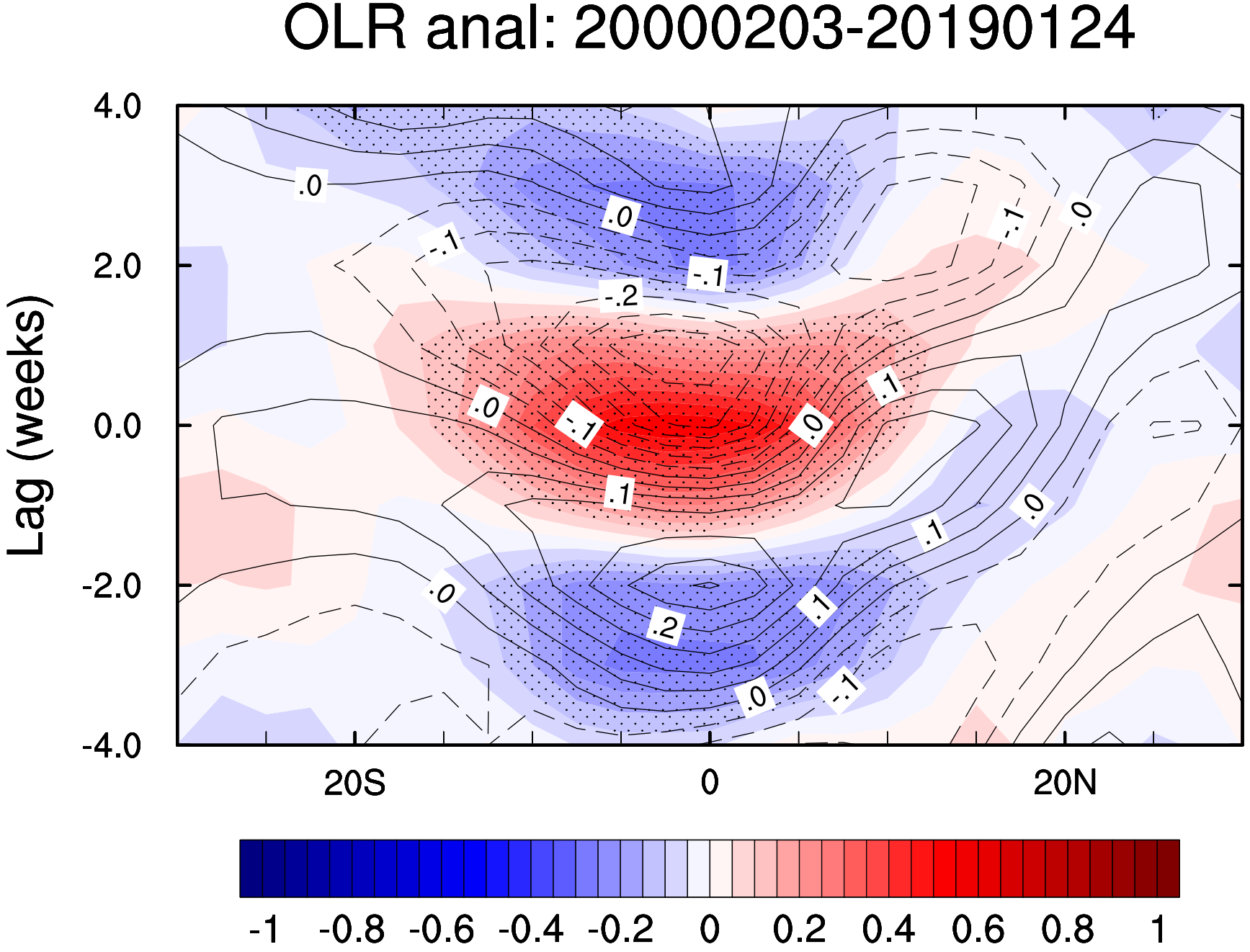

OLR forecast lead=28: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

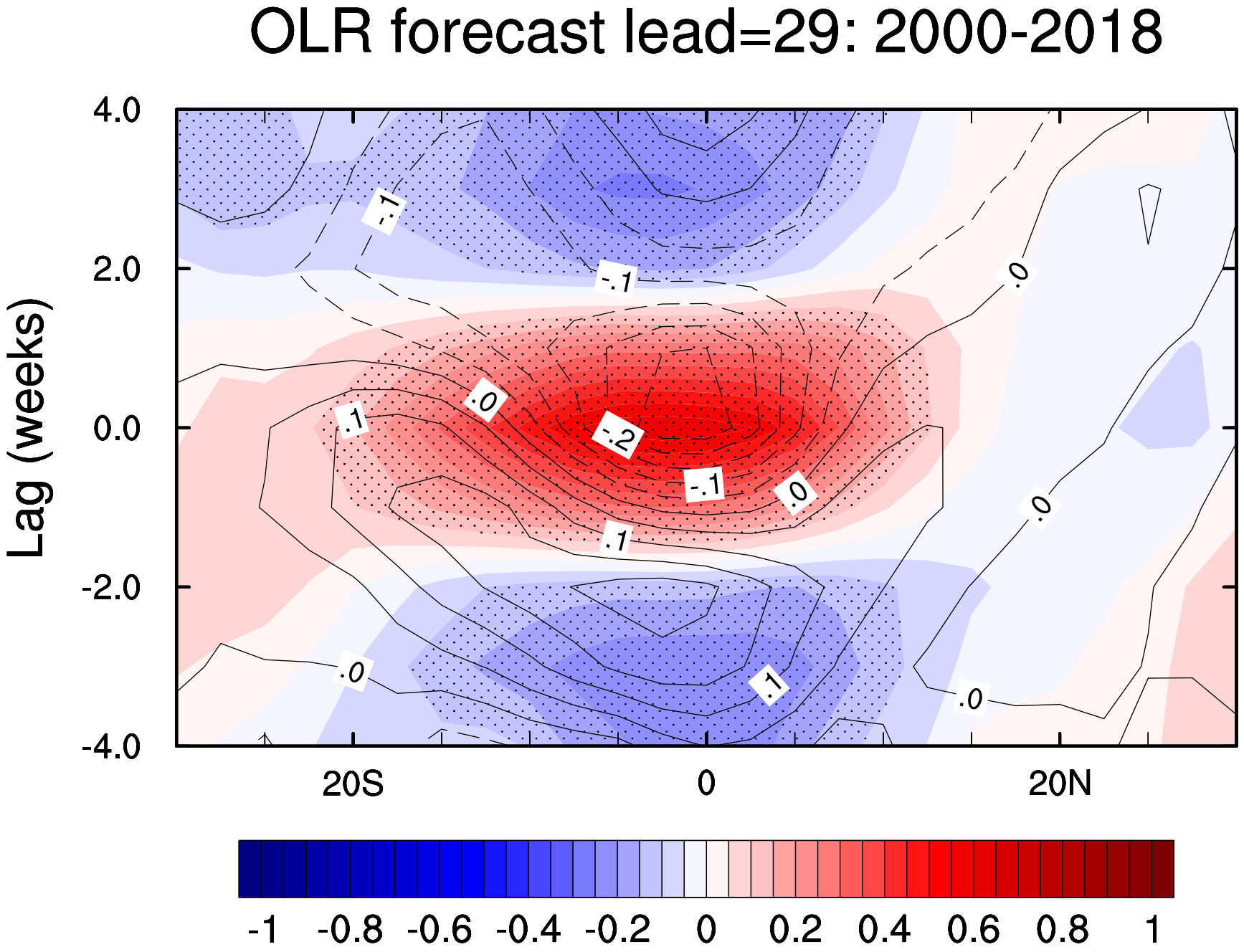

OLR anal: 20000202-20190123
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

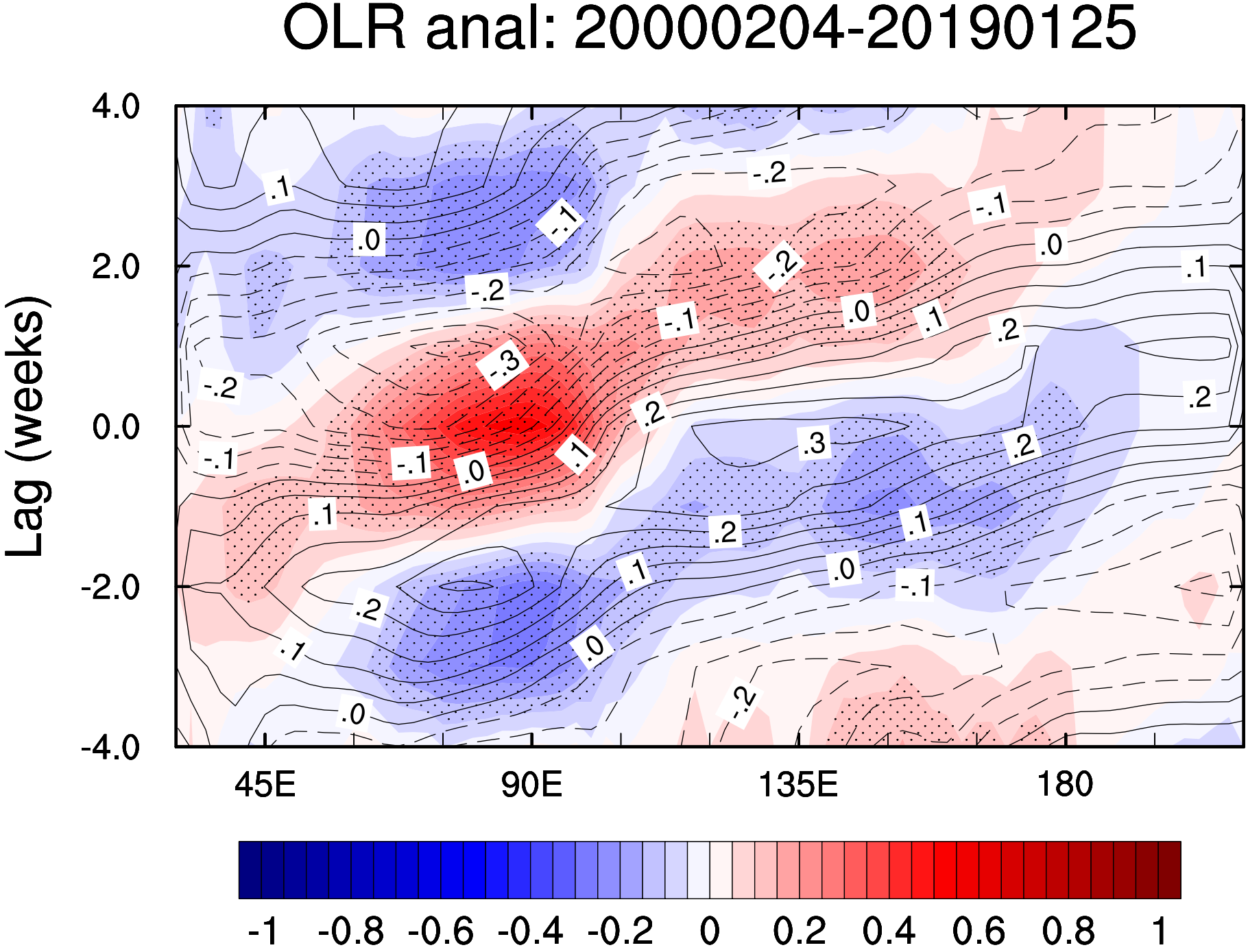

OLR forecast lead=28: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-.1
-.1
.0
.0
.0
.0
.0
-.2
-.1
.1
.1
.1
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1


OLR anal: 20000203-20190124
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

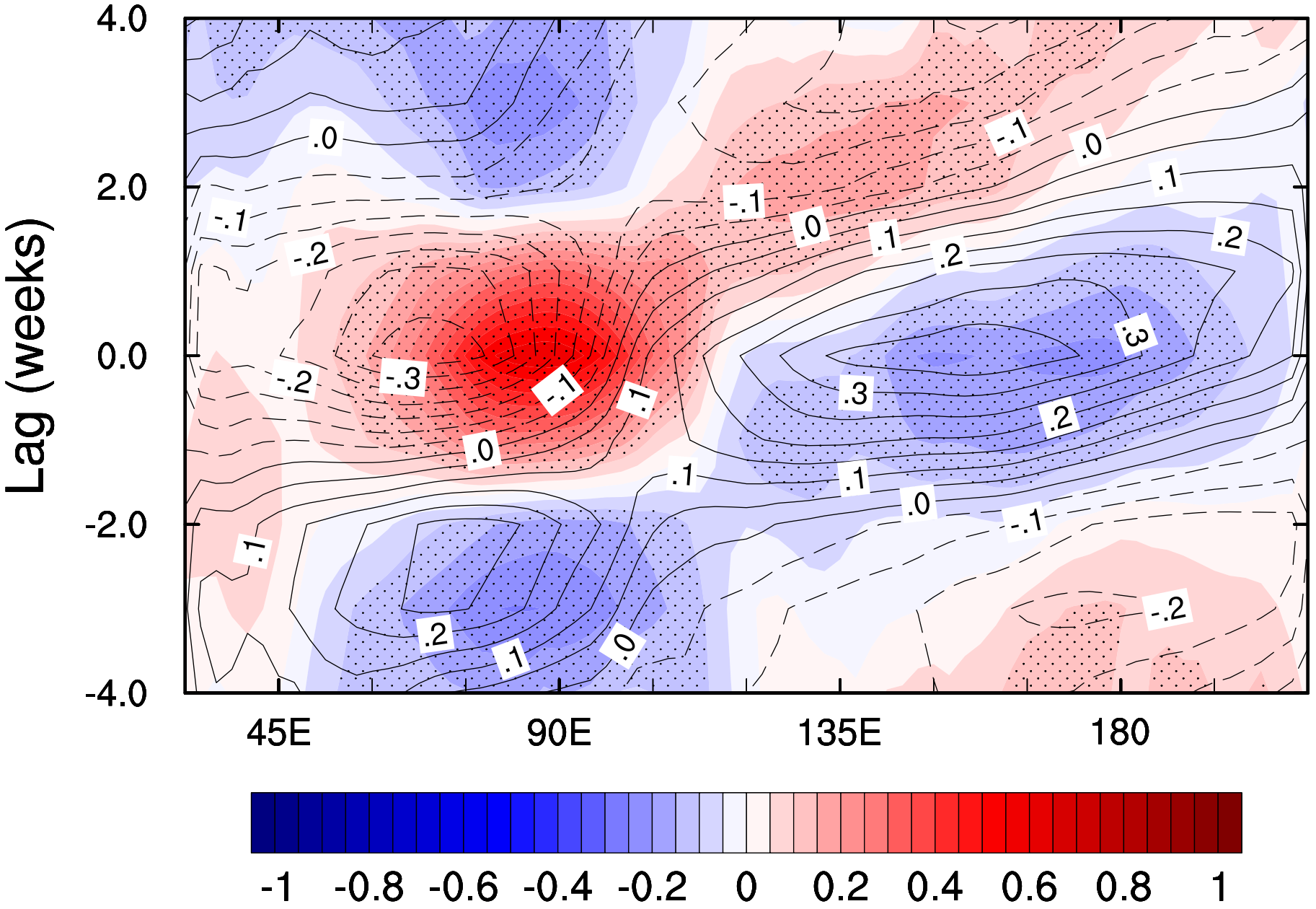

OLR forecast lead=29: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

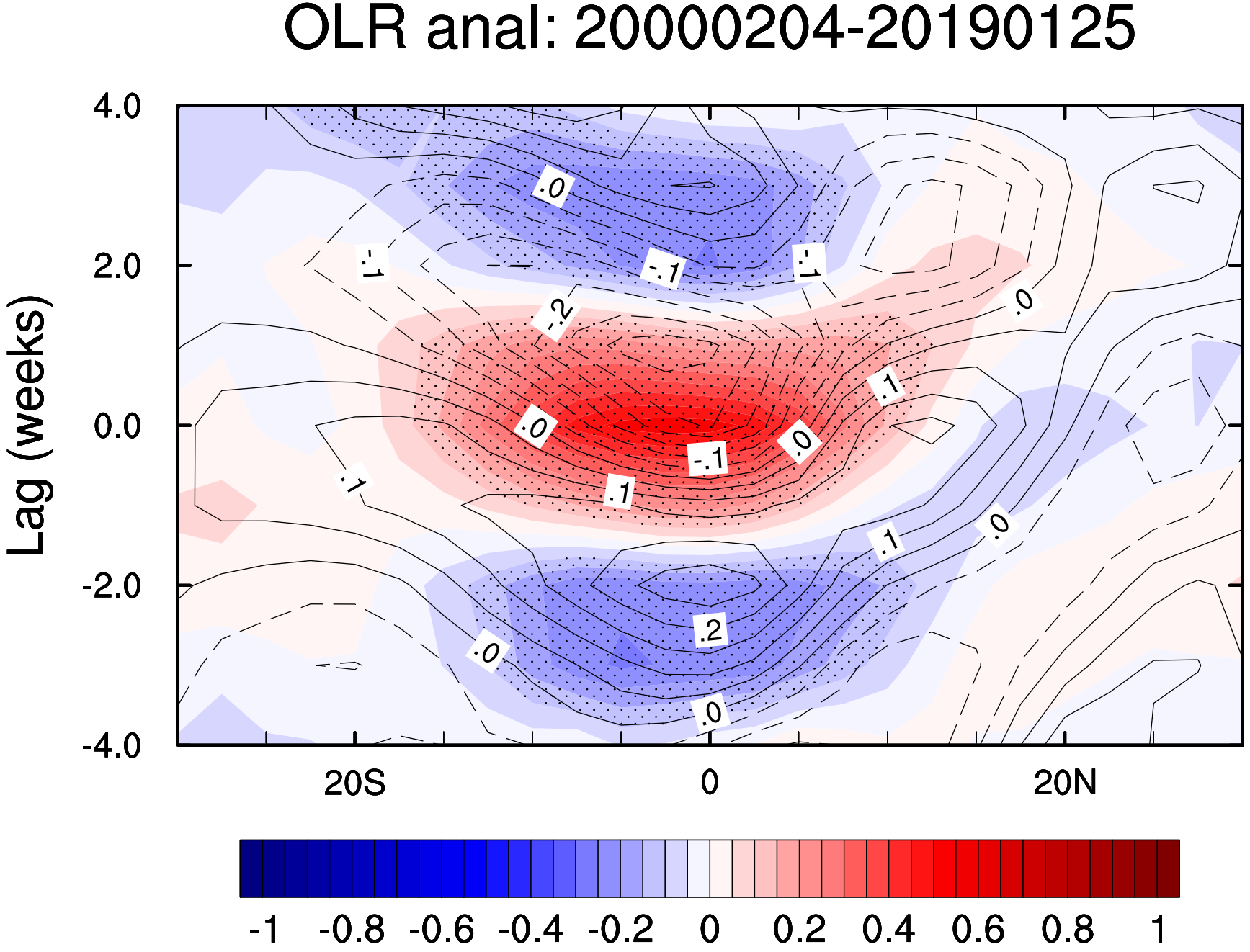

OLR anal: 20000203-20190124
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

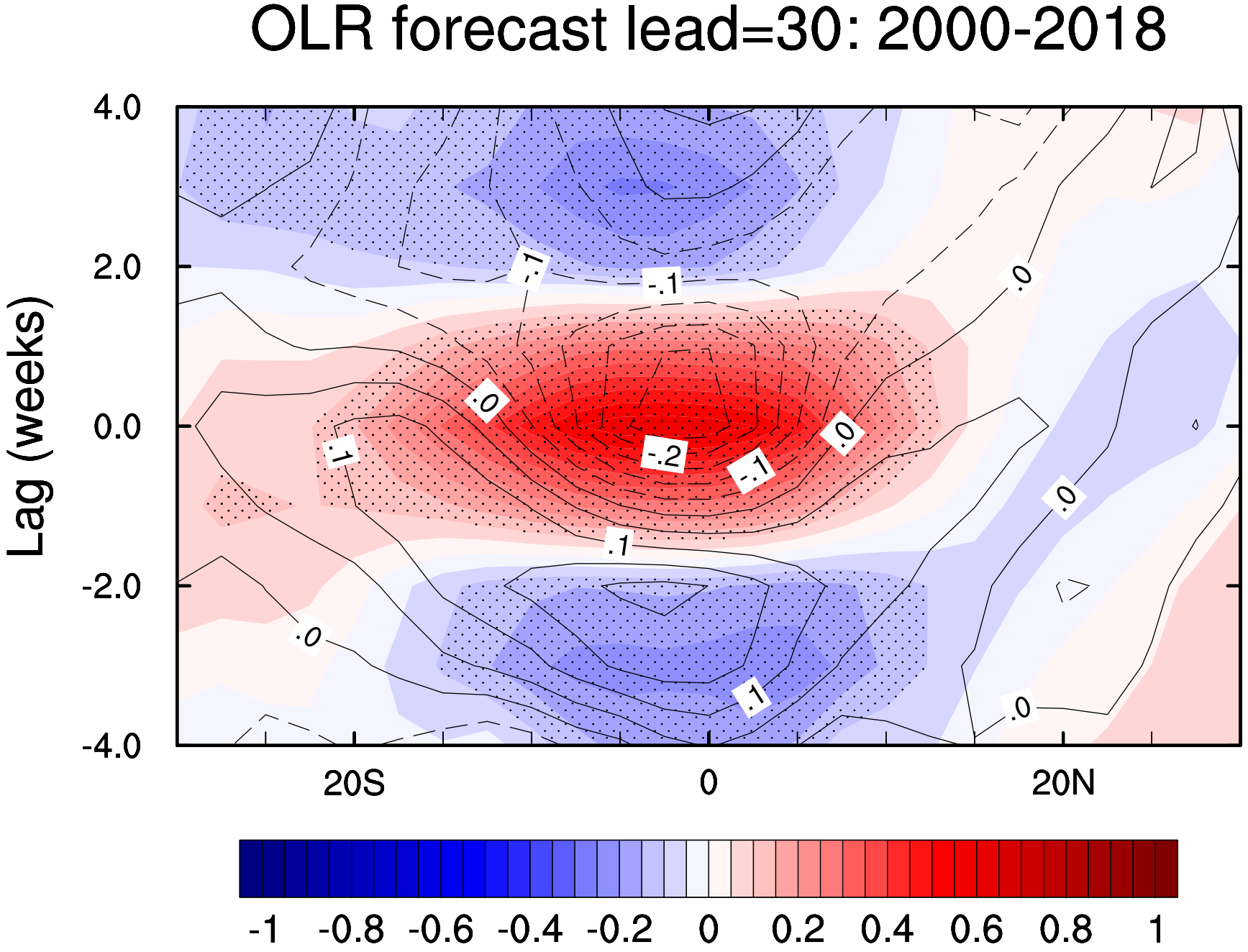

OLR forecast lead=29: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-.1
-.1
.0
.1
.0
-.2
-.1
.0
.1
.0
.0
.1
.0
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

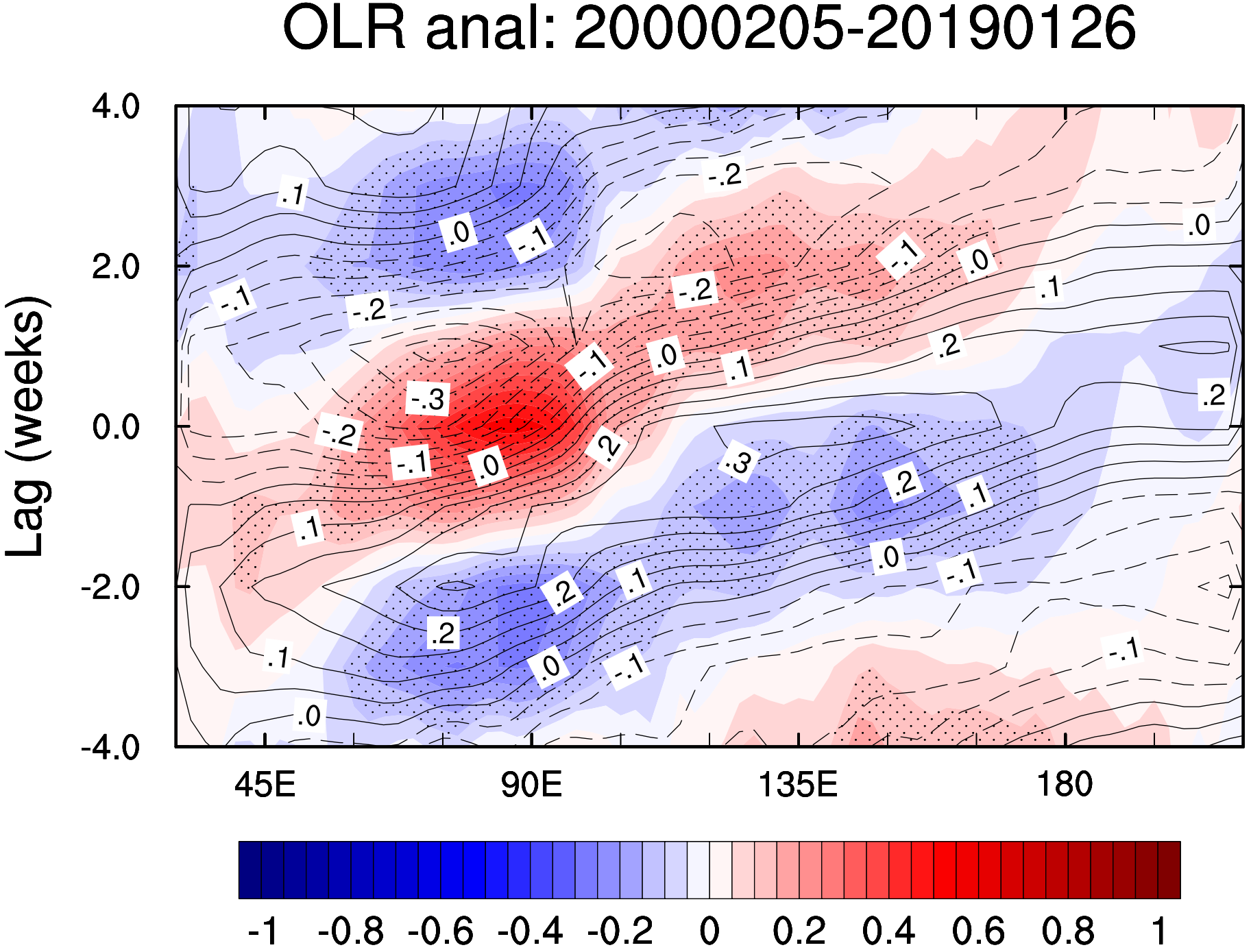

OLR anal: 20000204-20190125
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

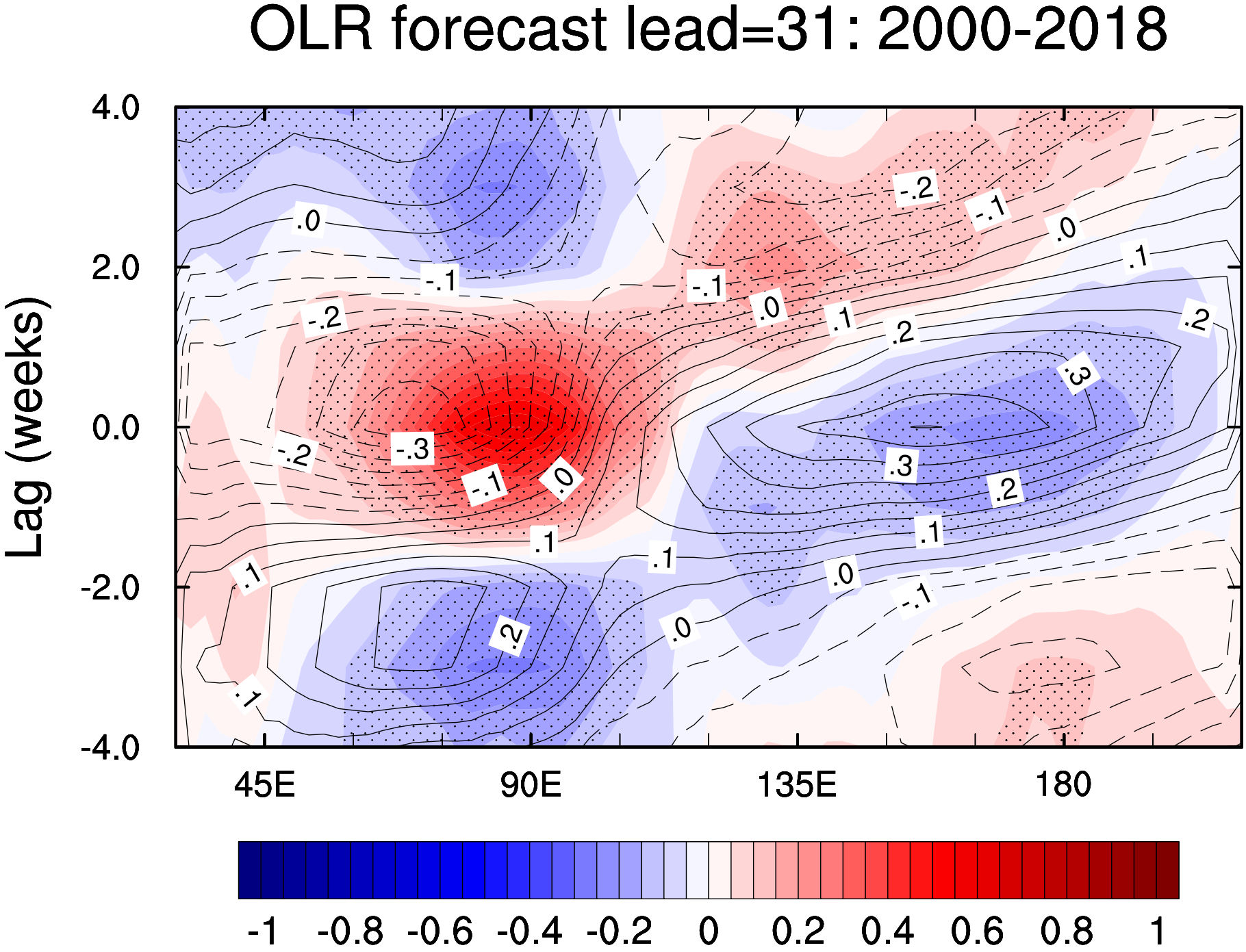
OLR forecast lead=30: 2000-2018

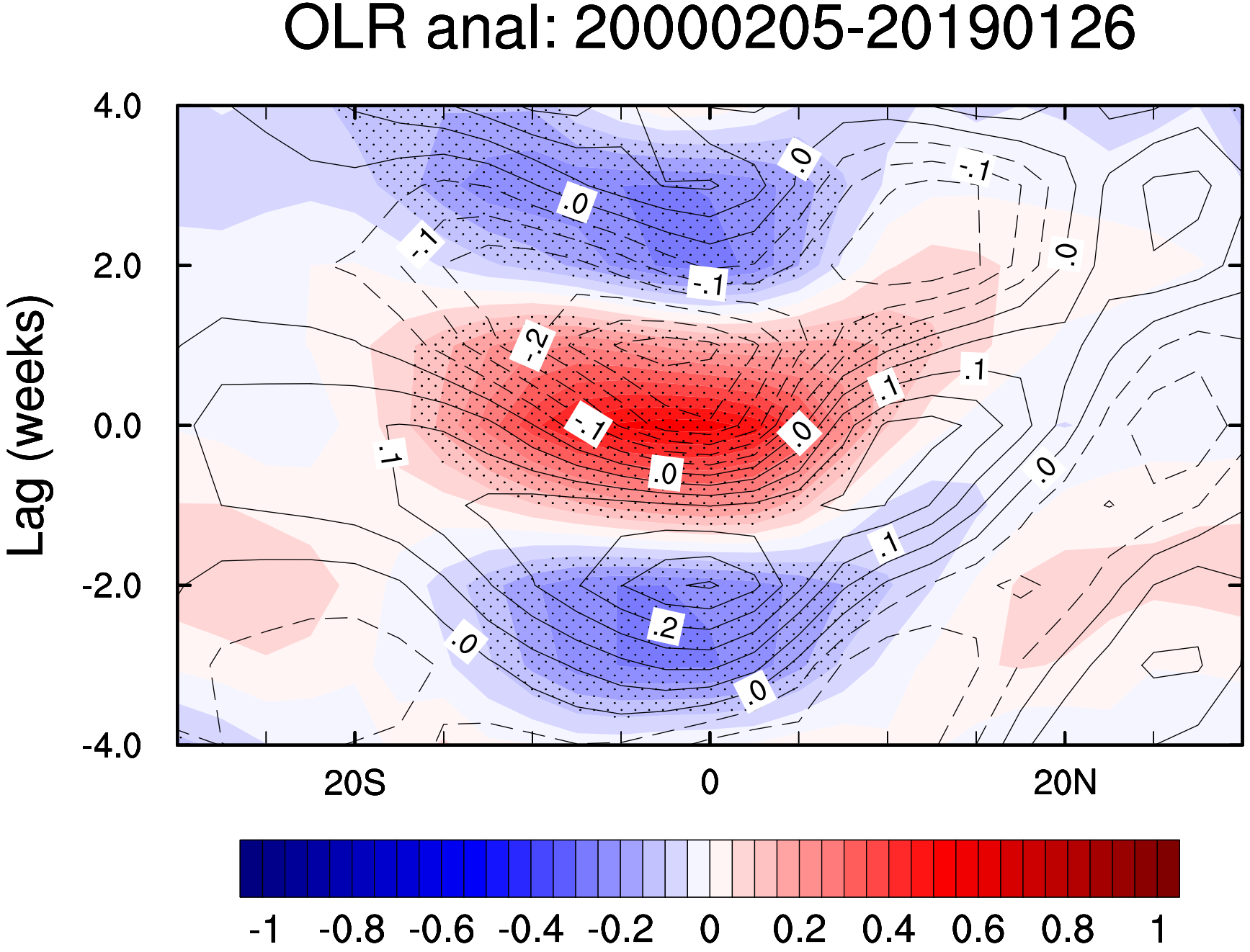


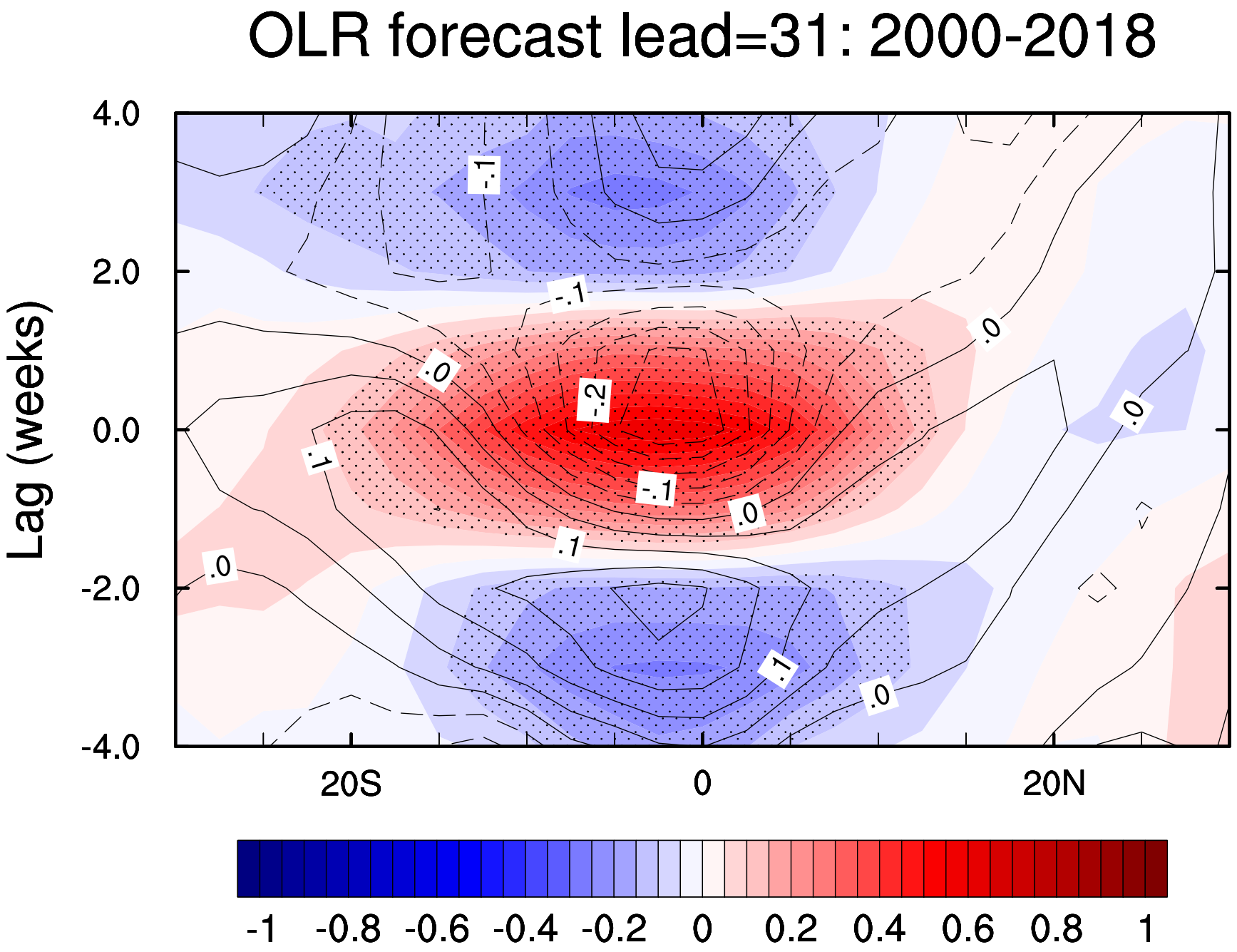

OLR anal: 20000204-20190125
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1


OLR forecast lead=30: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-.1
.0
-.2
.1
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

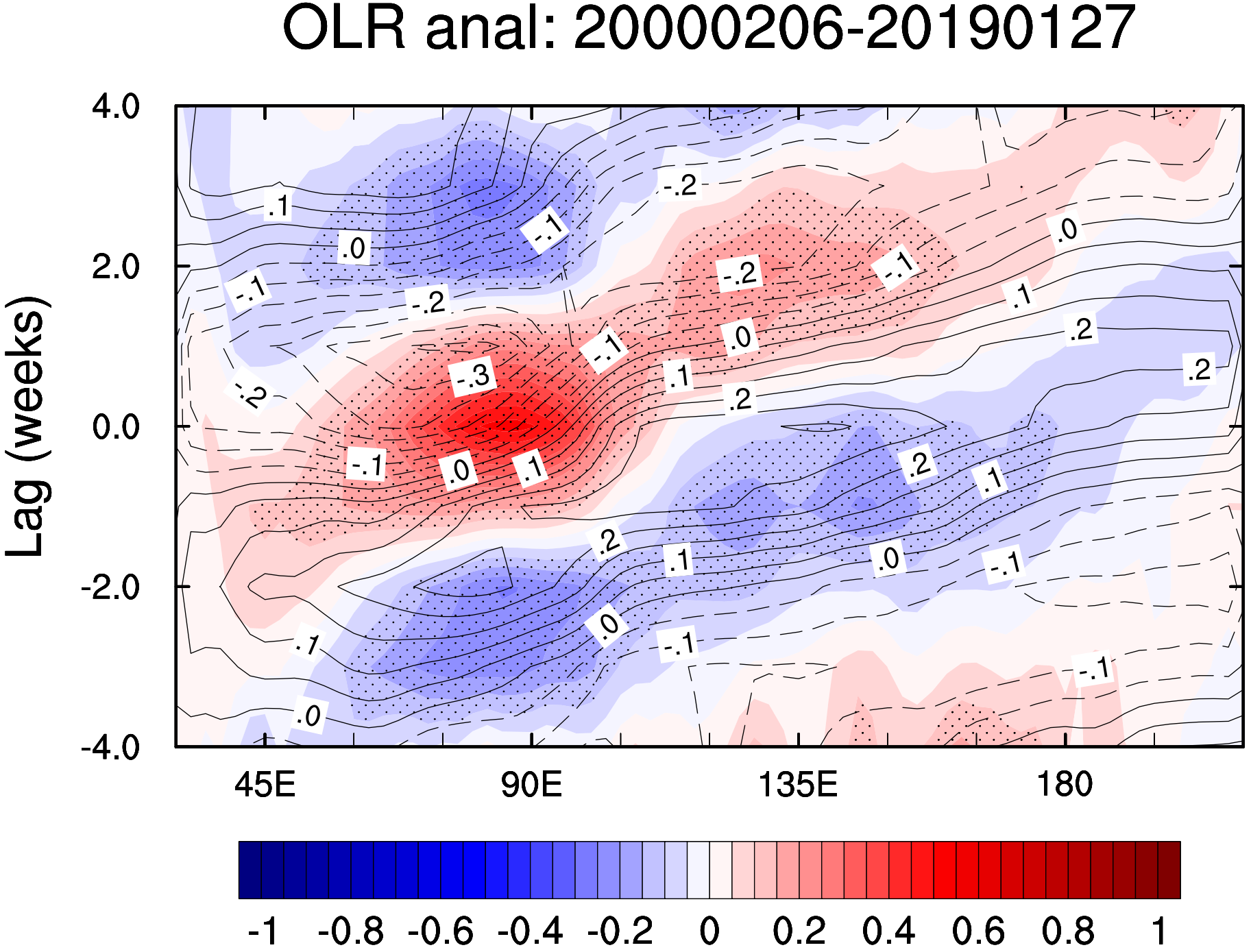

OLR anal: 20000205-20190126
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1


OLR forecast lead=31: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

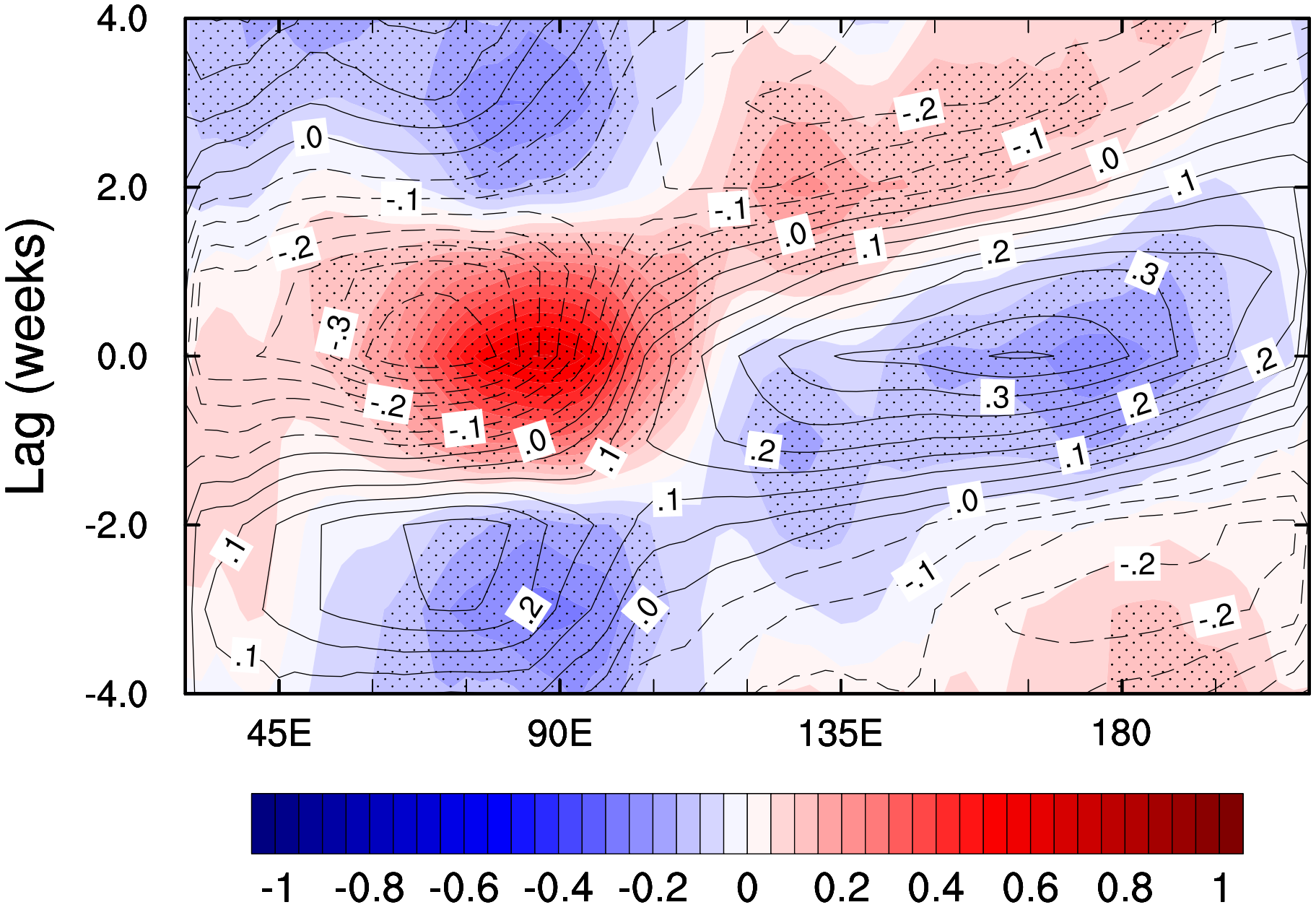

OLR anal: 20000205-20190126
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

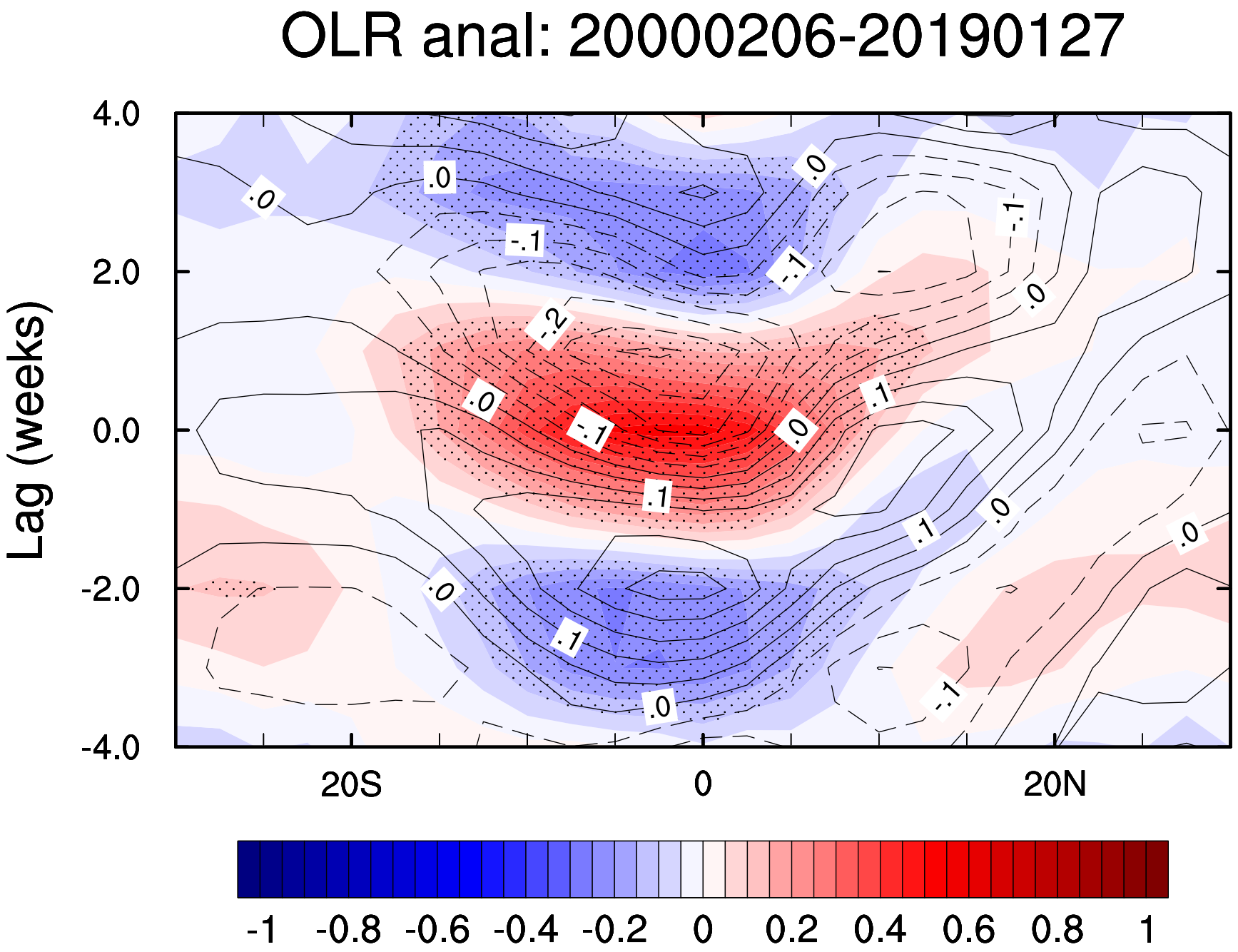


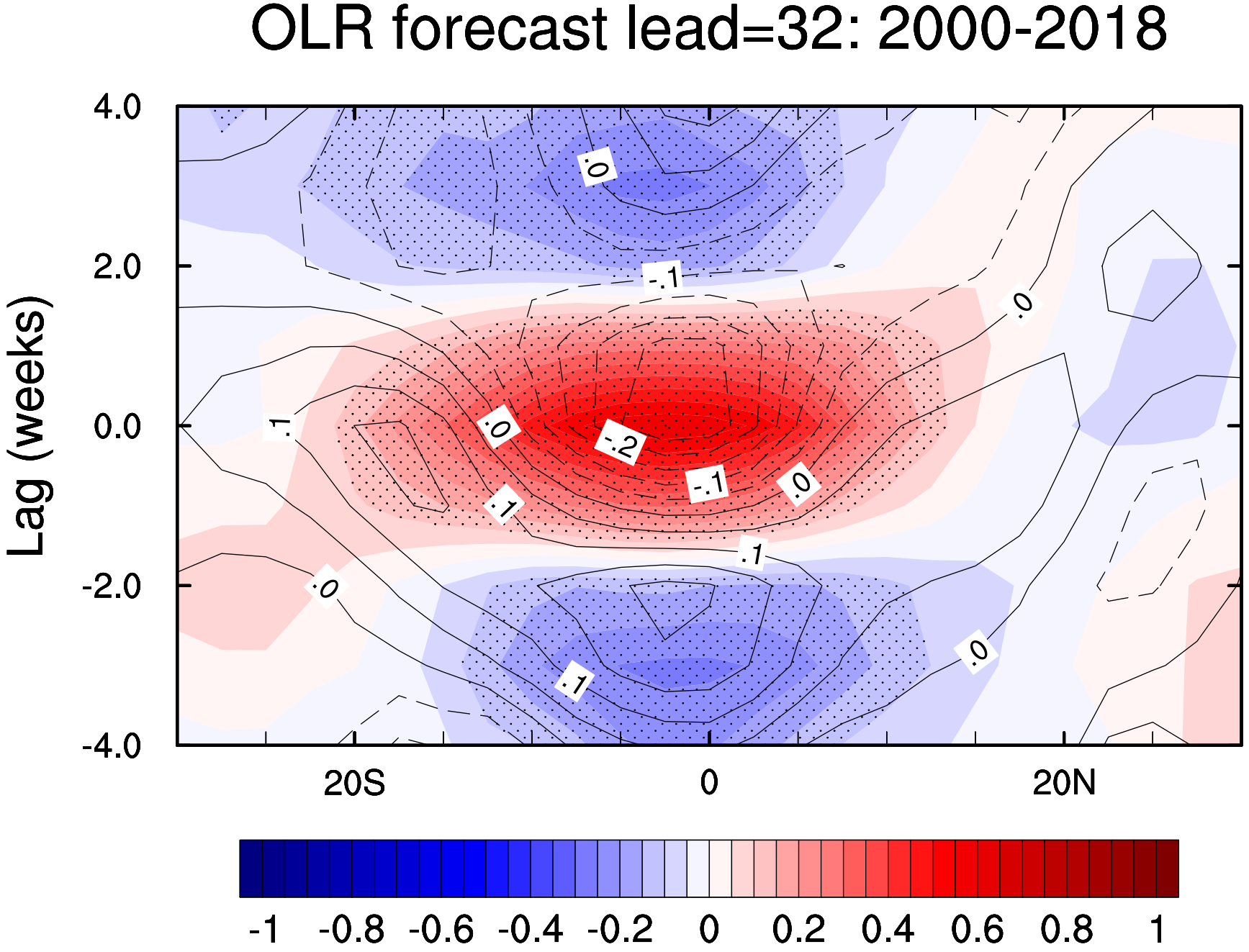
OLR forecast lead=31: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-.1
-.1
.0
.0
-.2
.0
.1
-.1
.0
.1
.0
.1
.0
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

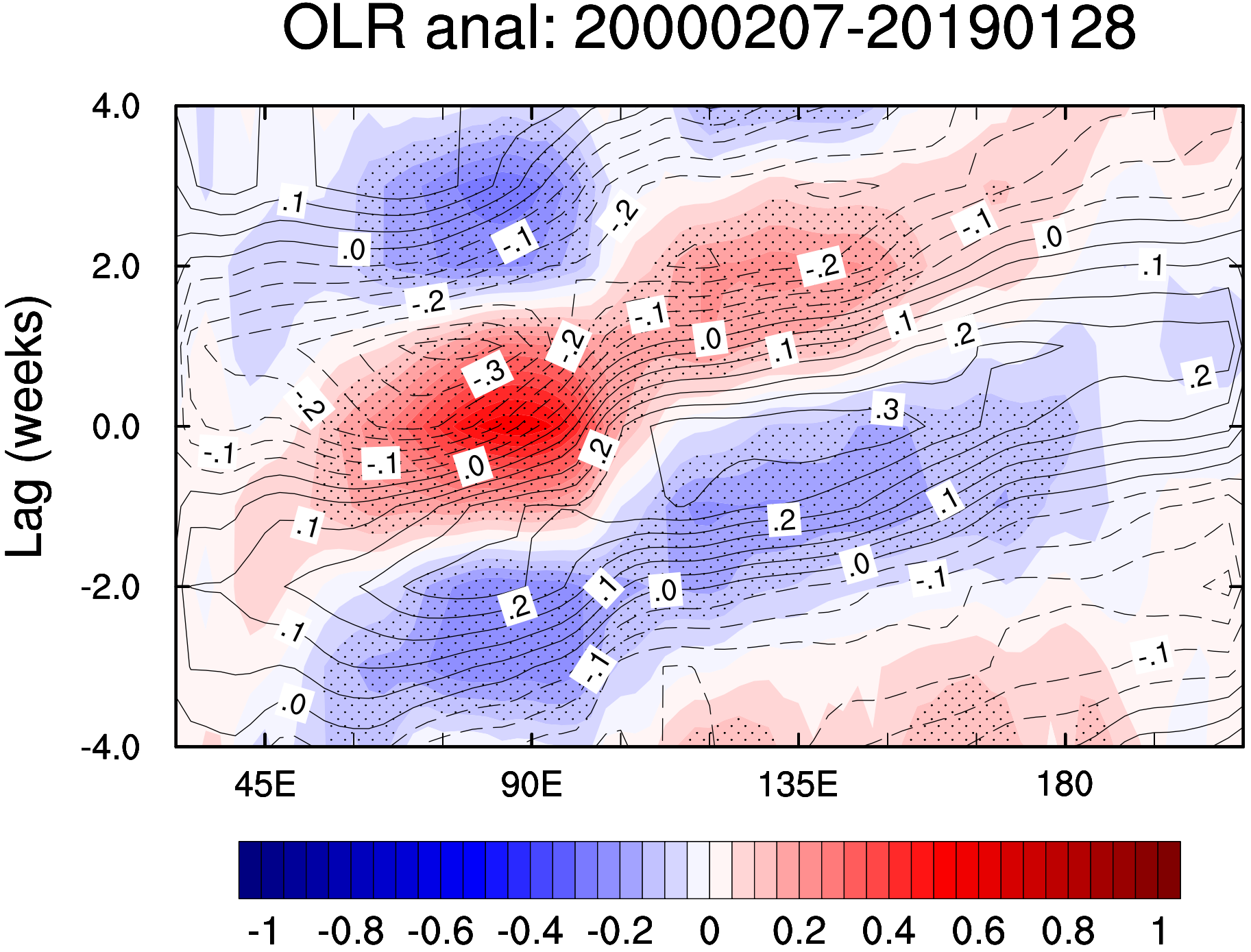

OLR anal: 20000206-20190127
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

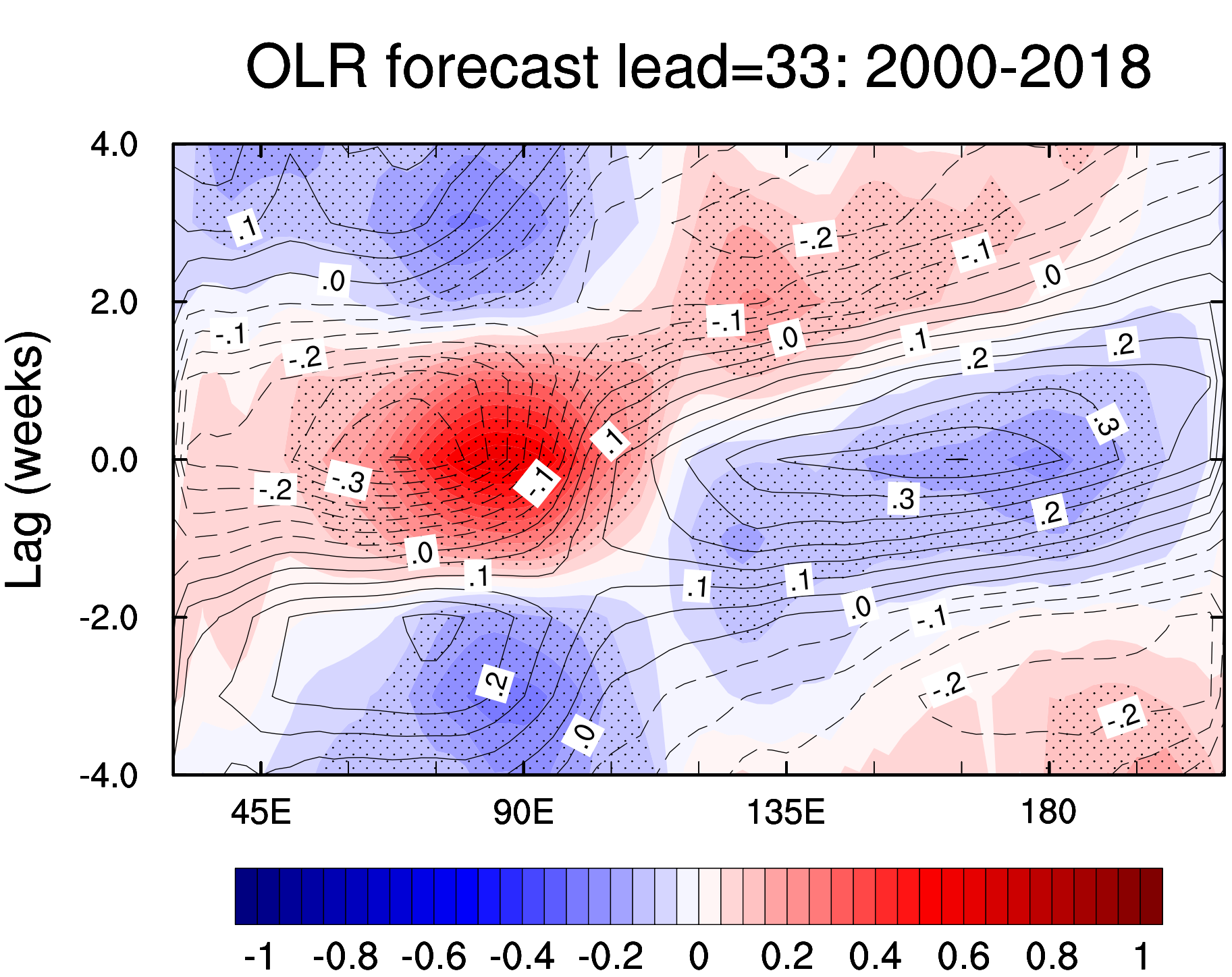
OLR forecast lead=32: 2000-2018

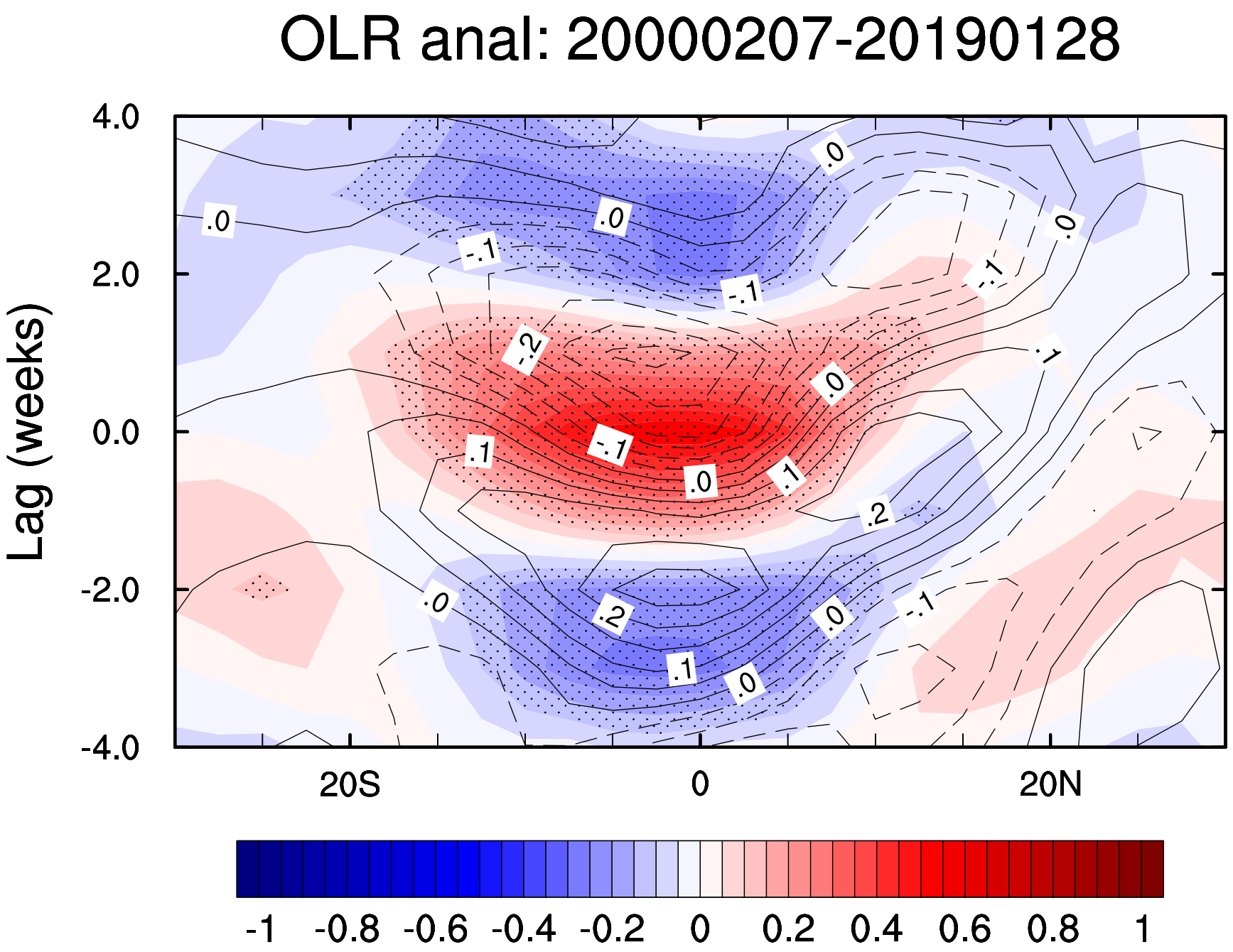


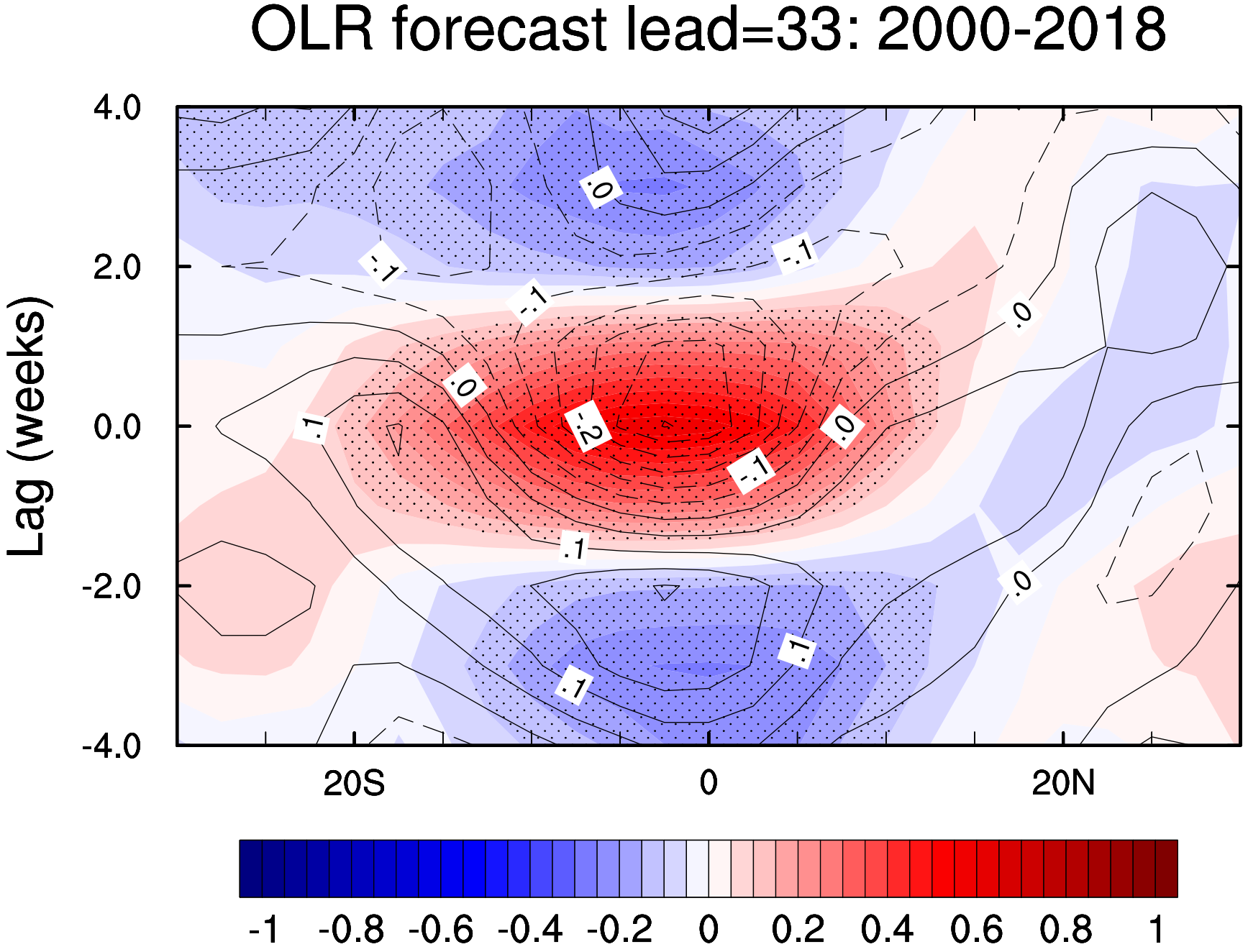

OLR anal: 20000206-20190127
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

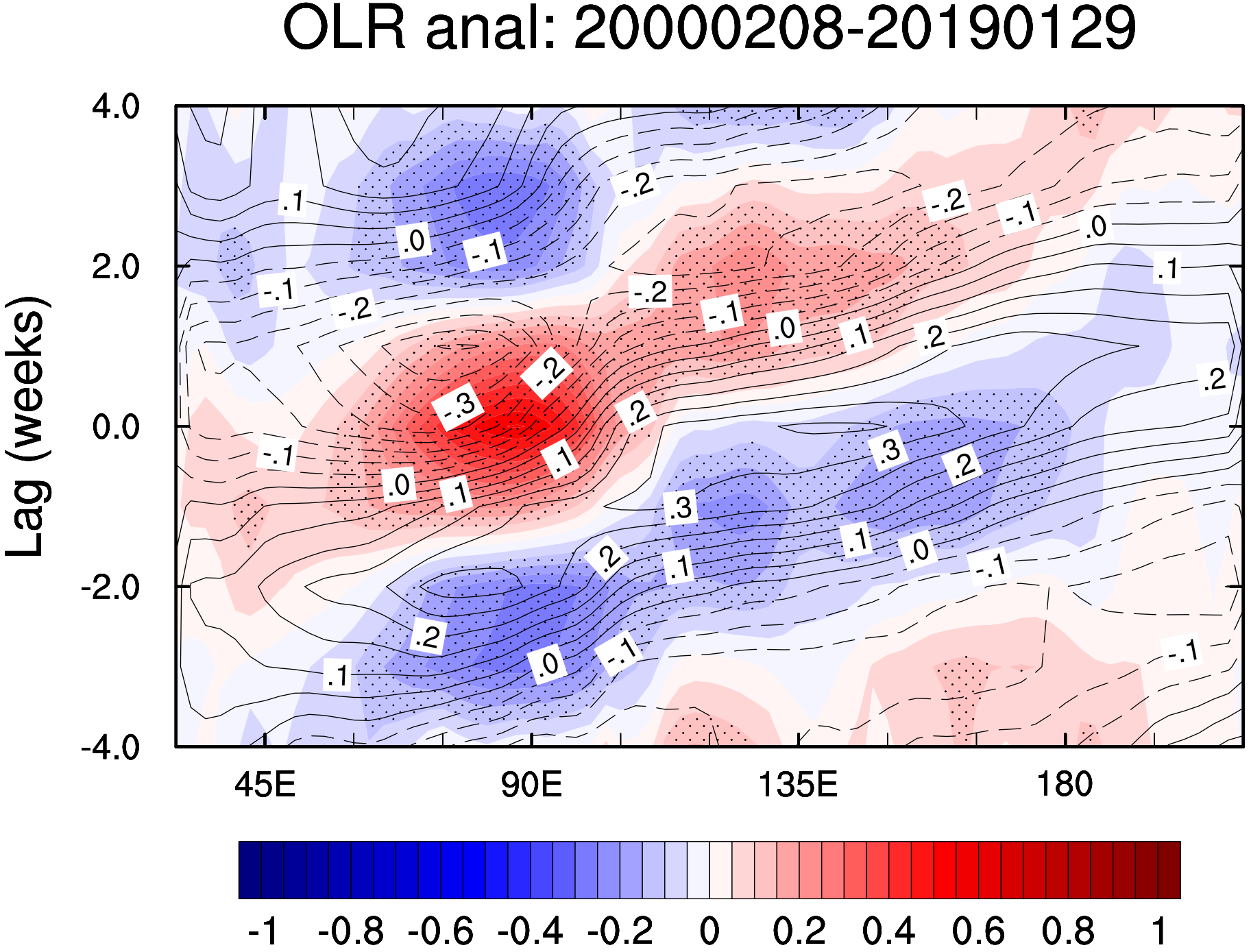

OLR forecast lead=32: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

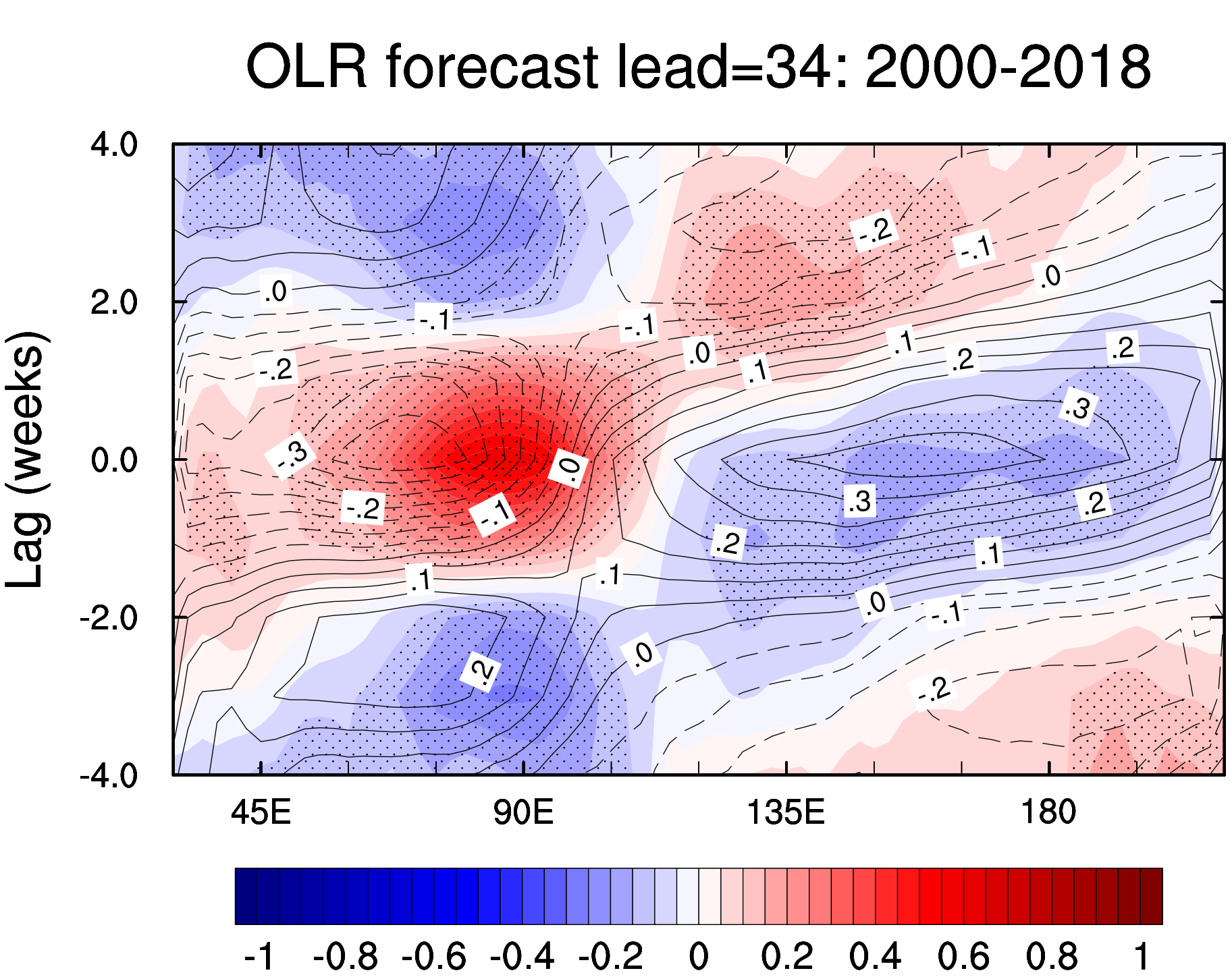

OLR anal: 20000207-20190128
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

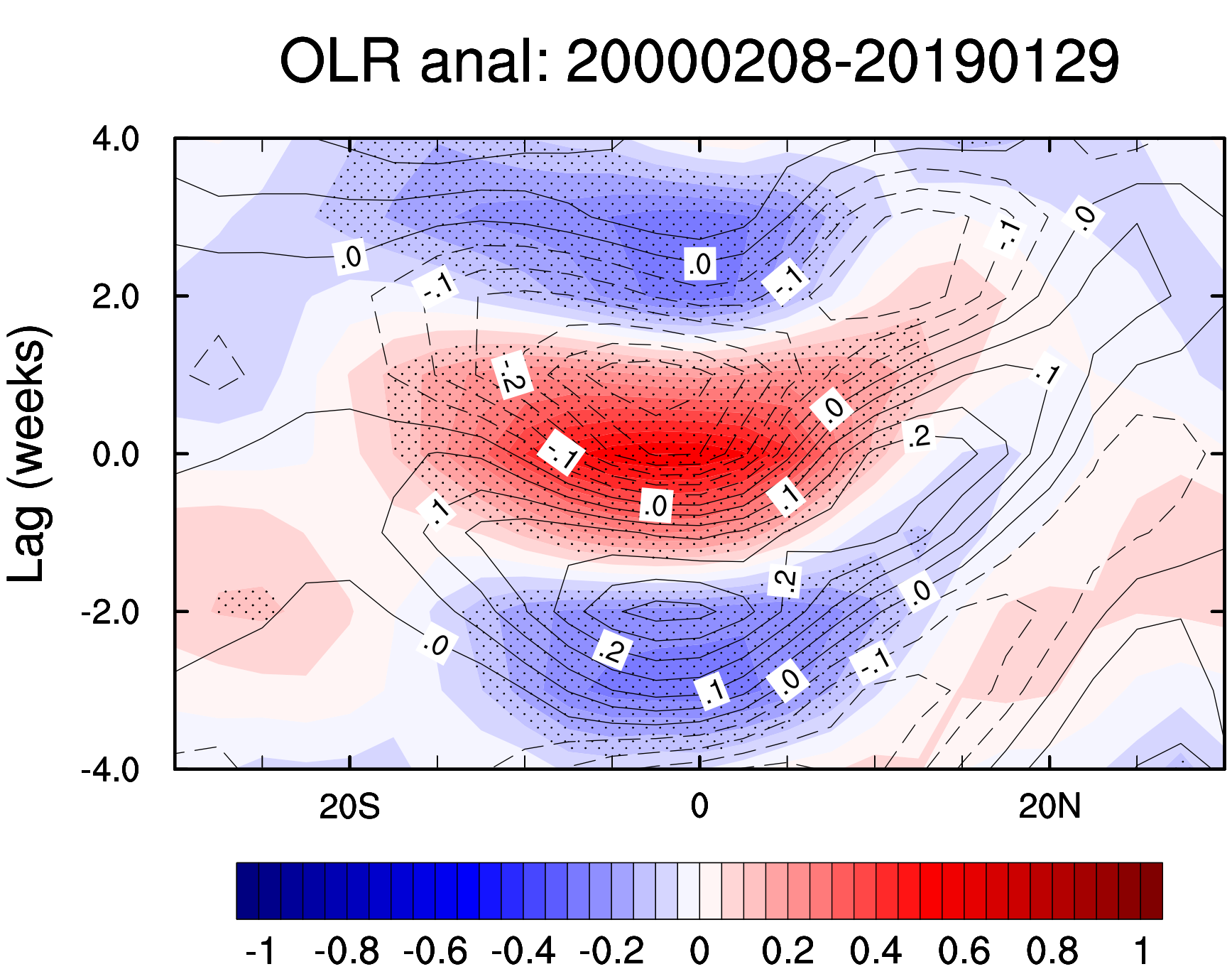

OLR forecast lead=33: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

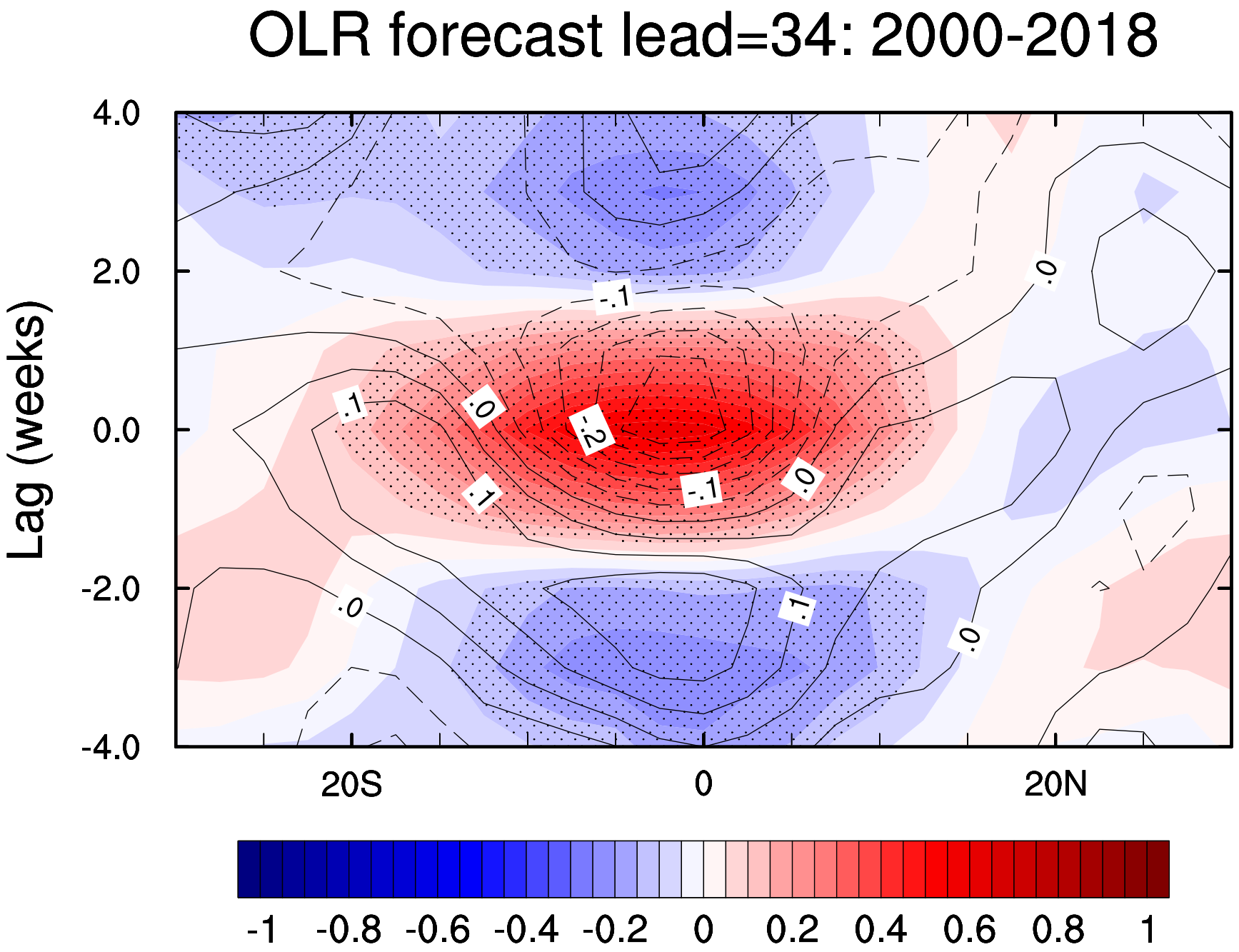

OLR anal: 20000207-20190128
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

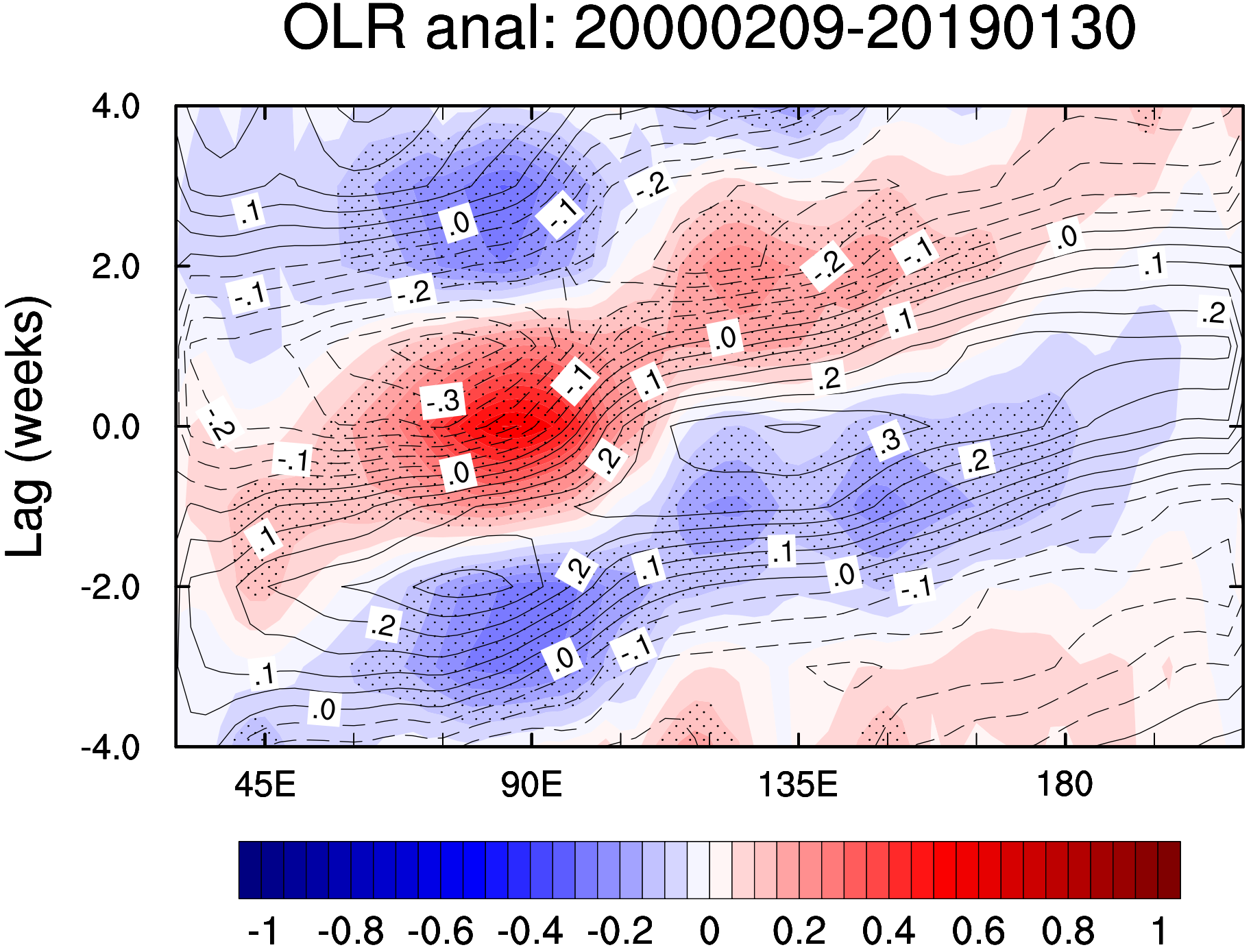

OLR forecast lead=33: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1


OLR anal: 20000208-20190129
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

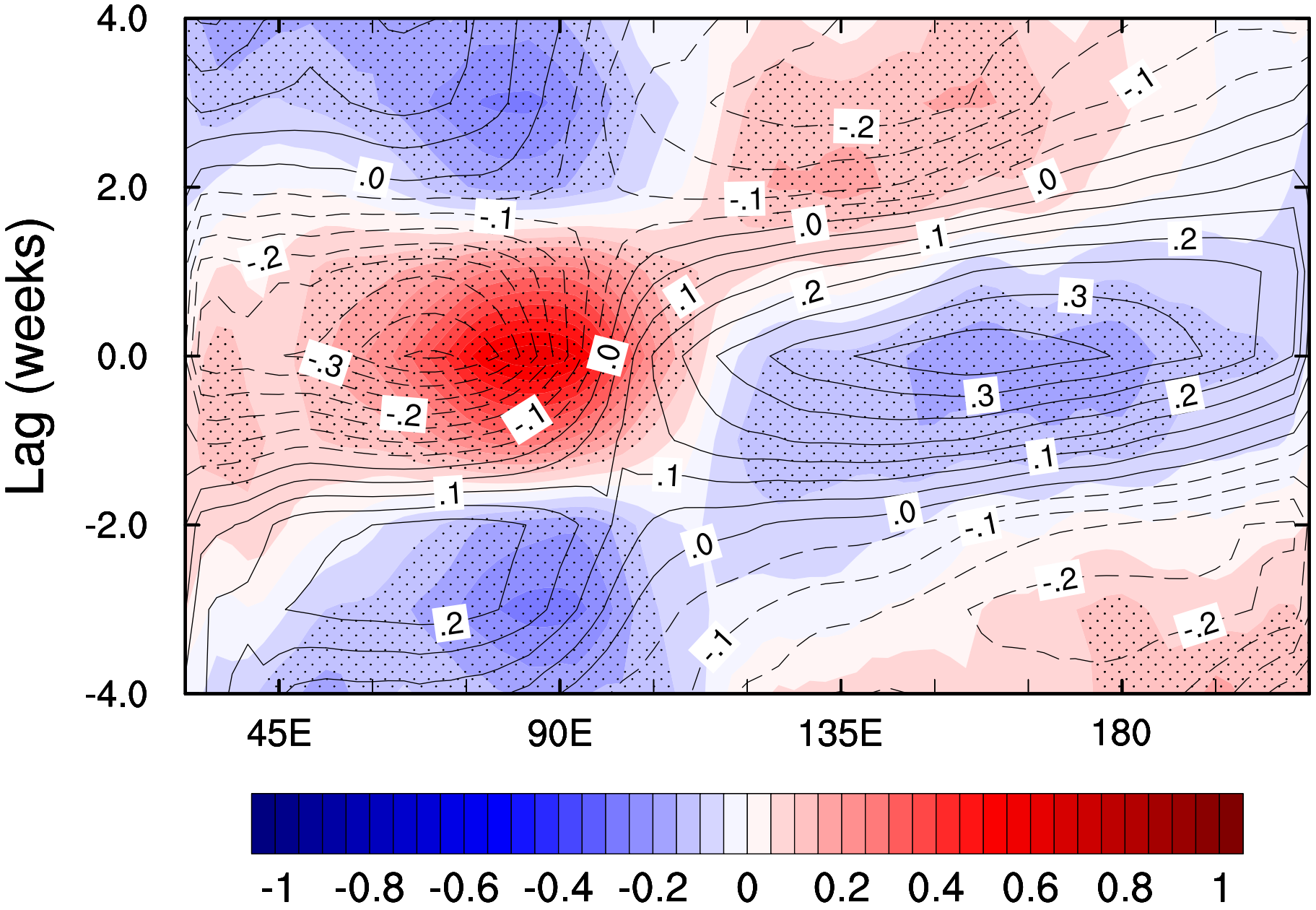

OLR forecast lead=34: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

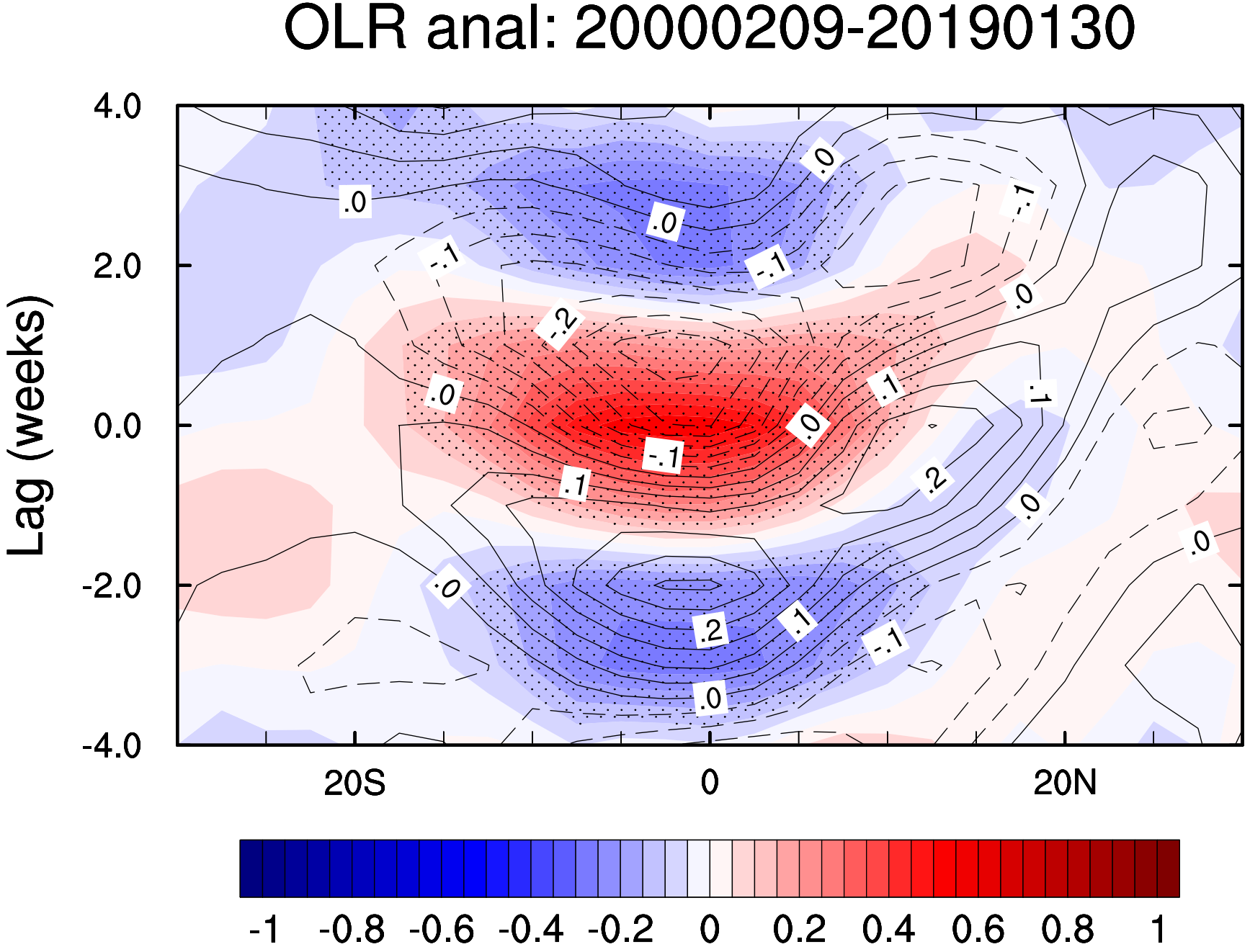

OLR anal: 20000208-20190129
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

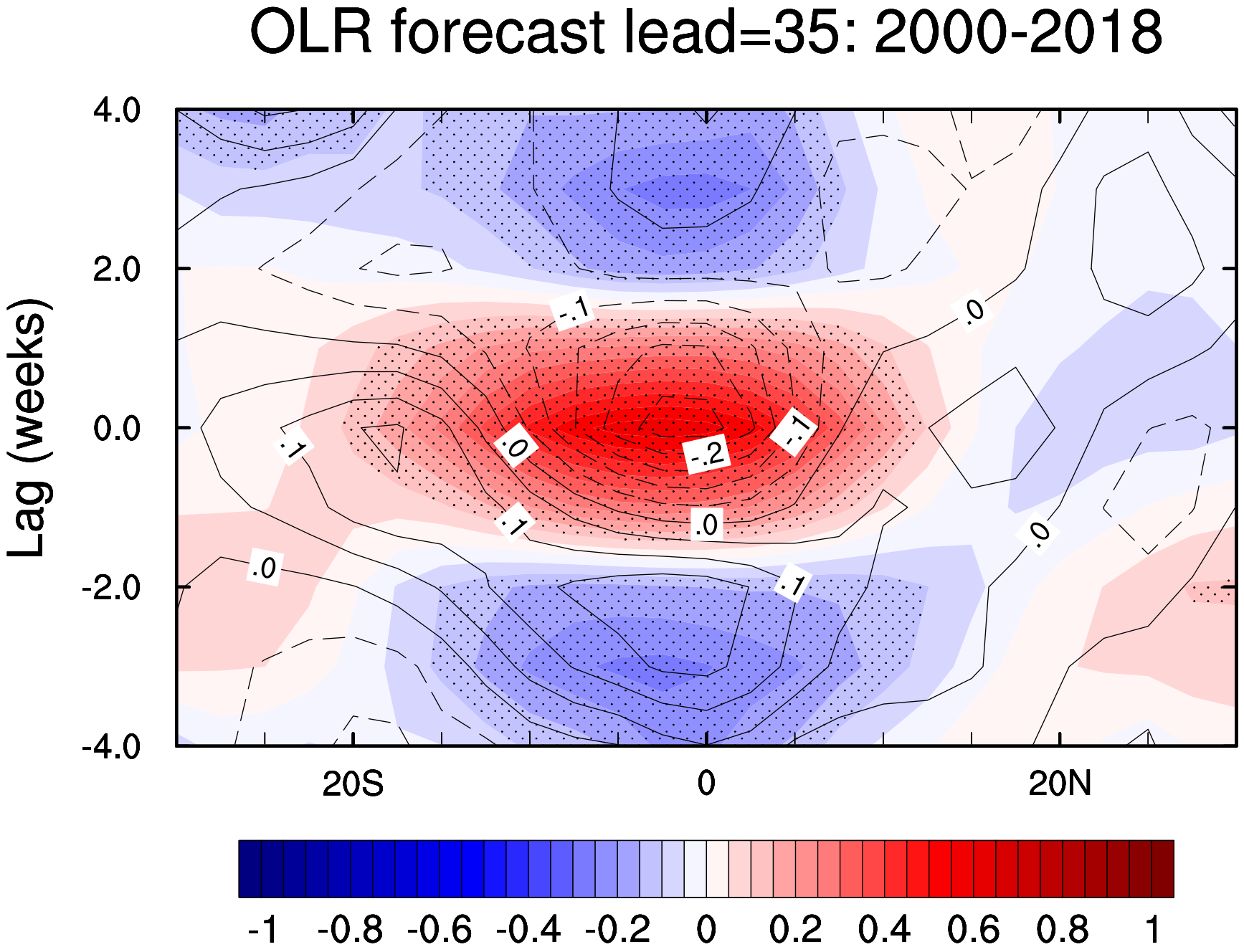

OLR forecast lead=34: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-.1
.0
.1
-.2
-.1
.0
.1
.0
.1
.0
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1


OLR anal: 20000209-20190130
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
45E
90E
135E
180
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

OLR forecast lead=35: 2000-2018




OLR anal: 20000209-20190130
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1



OLR forecast lead=35: 2000-2018
Lag (weeks)
4.0
2.0
0.0
-2.0
-4.0
20S
0
20N
-.1
.0
-.2
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1