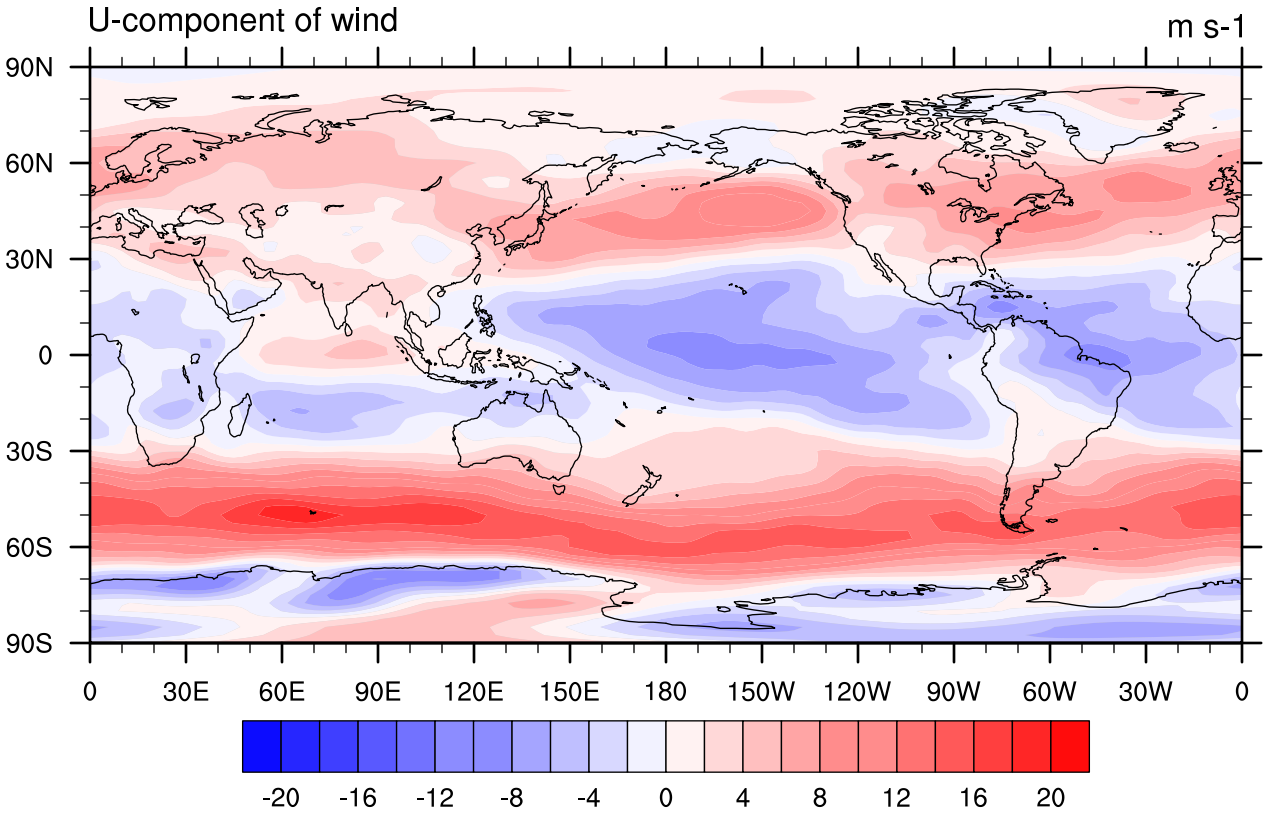
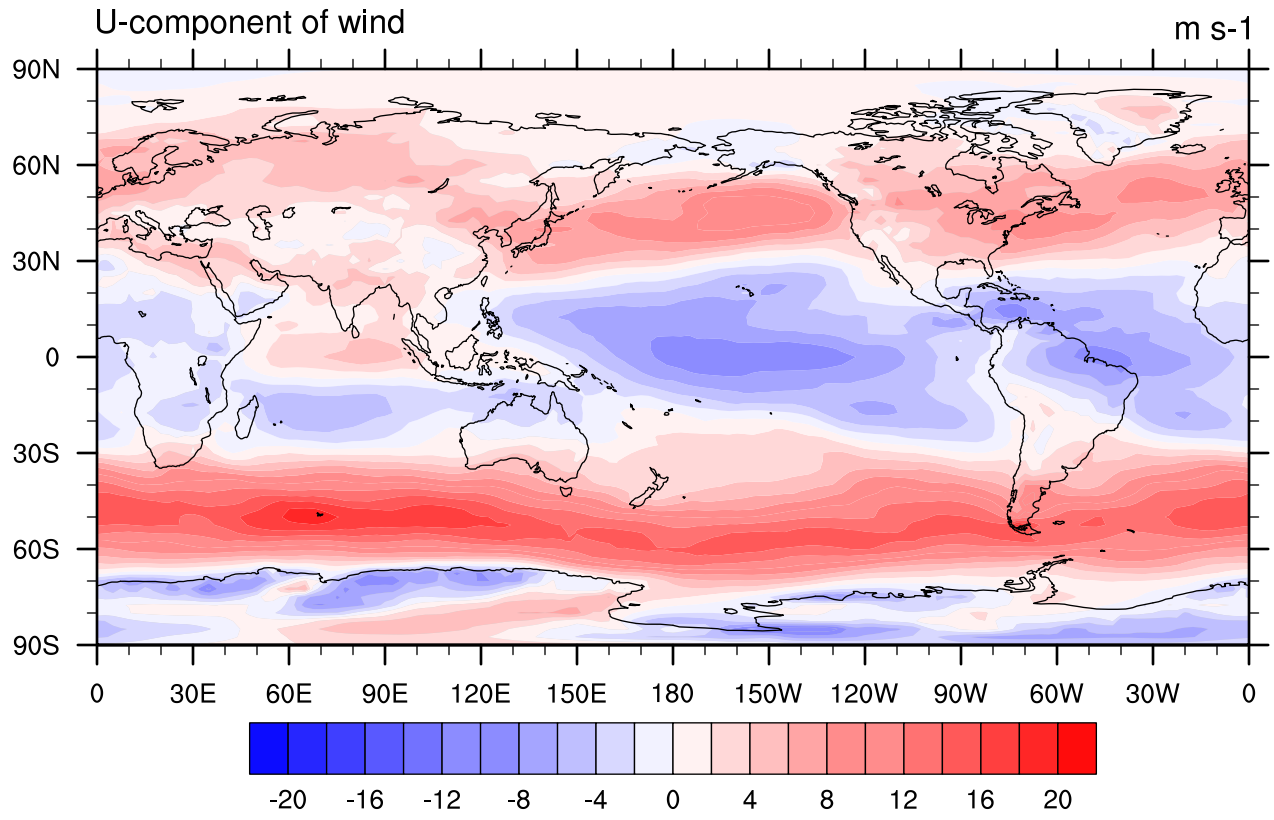
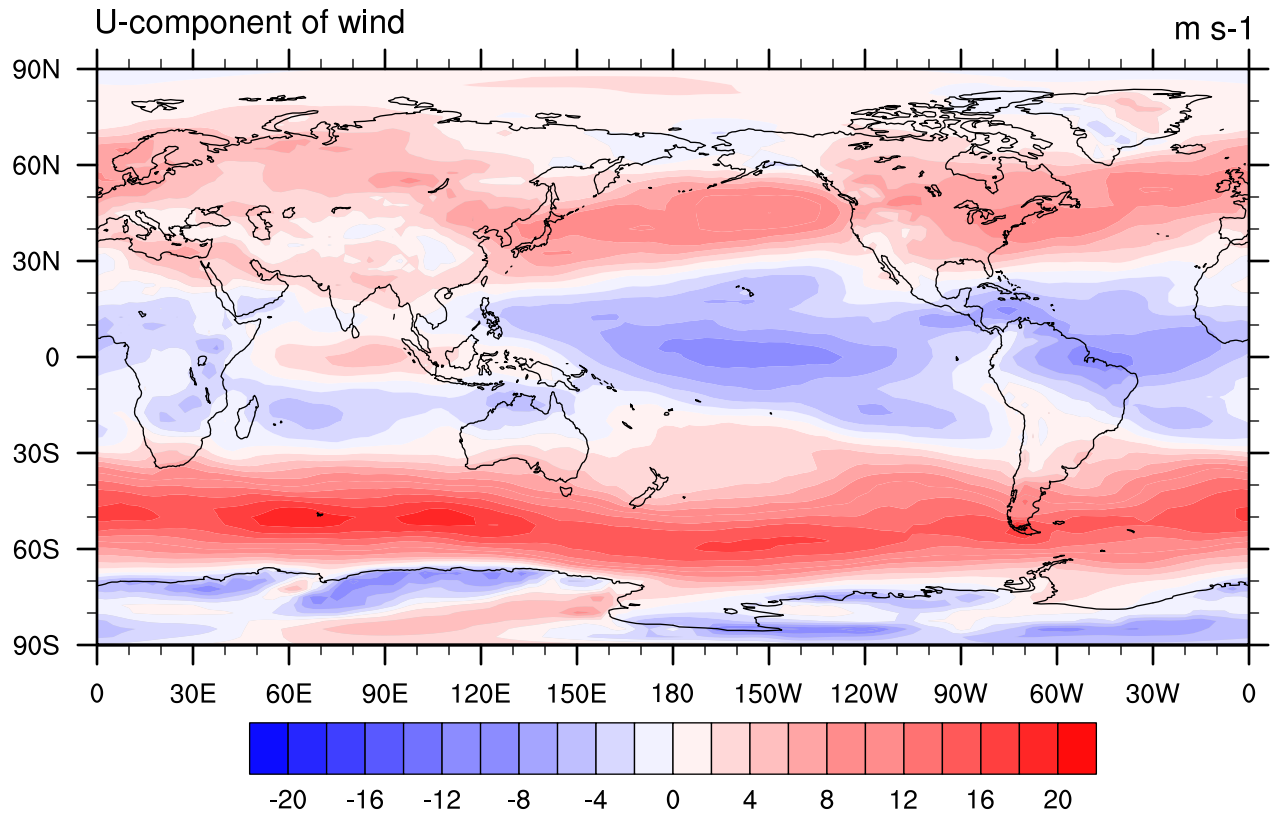
u 850hPa anl for lead=1



u 850hPa fv3 for lead=1



u 850hPa subx for lead=1



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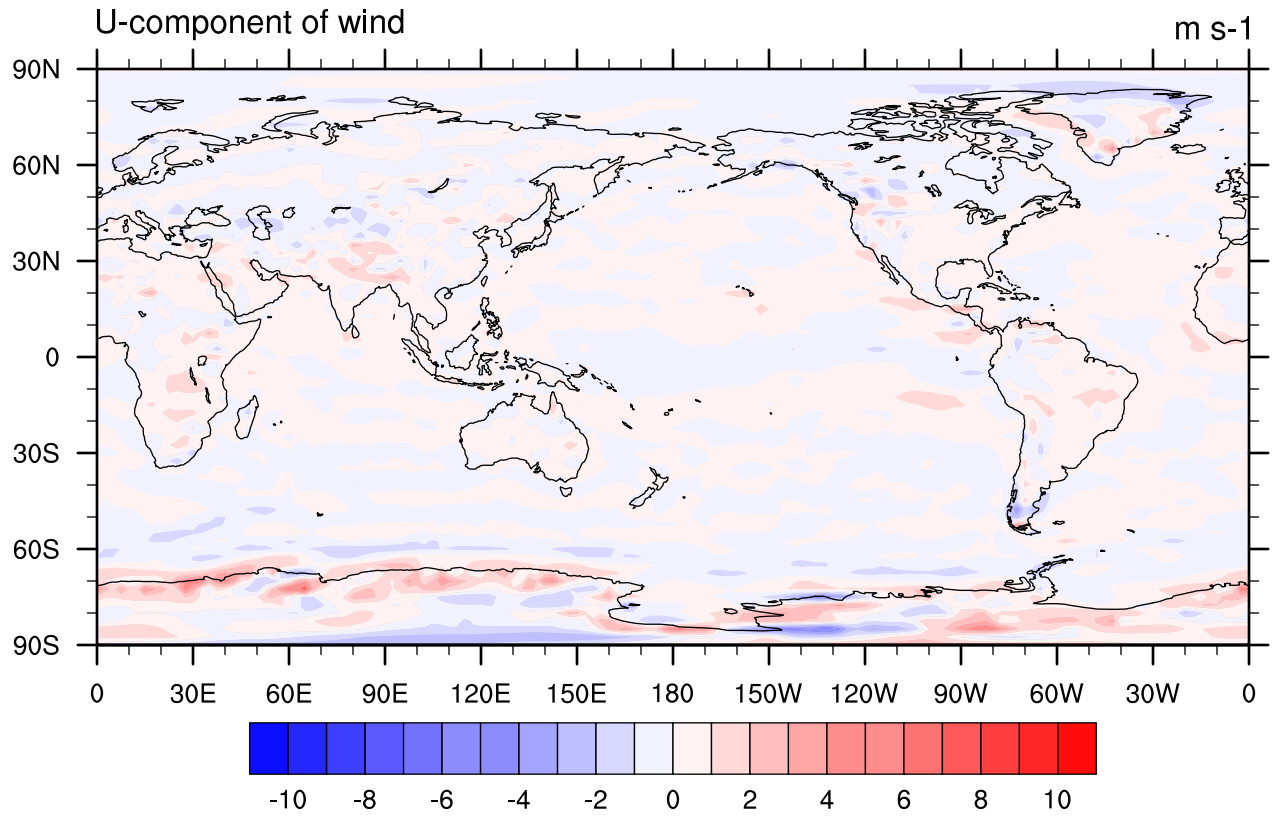

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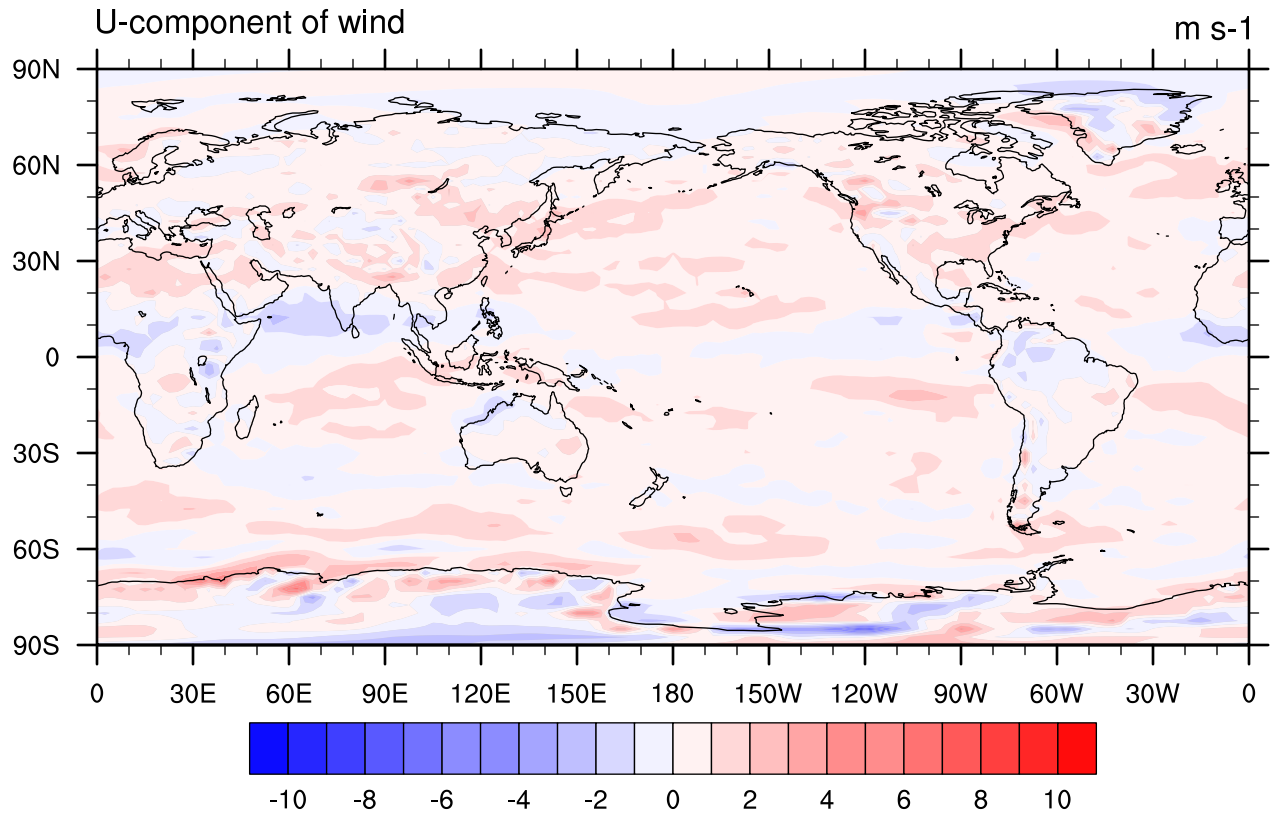
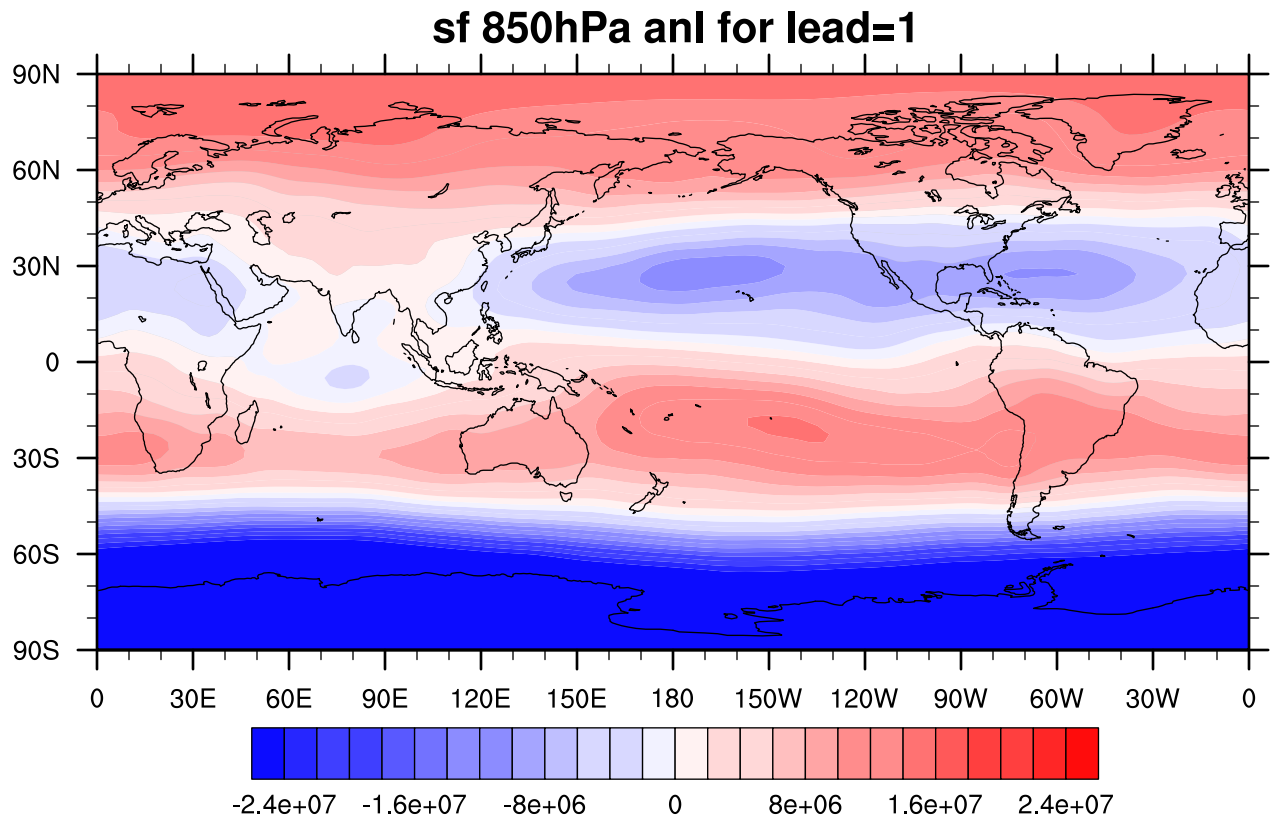
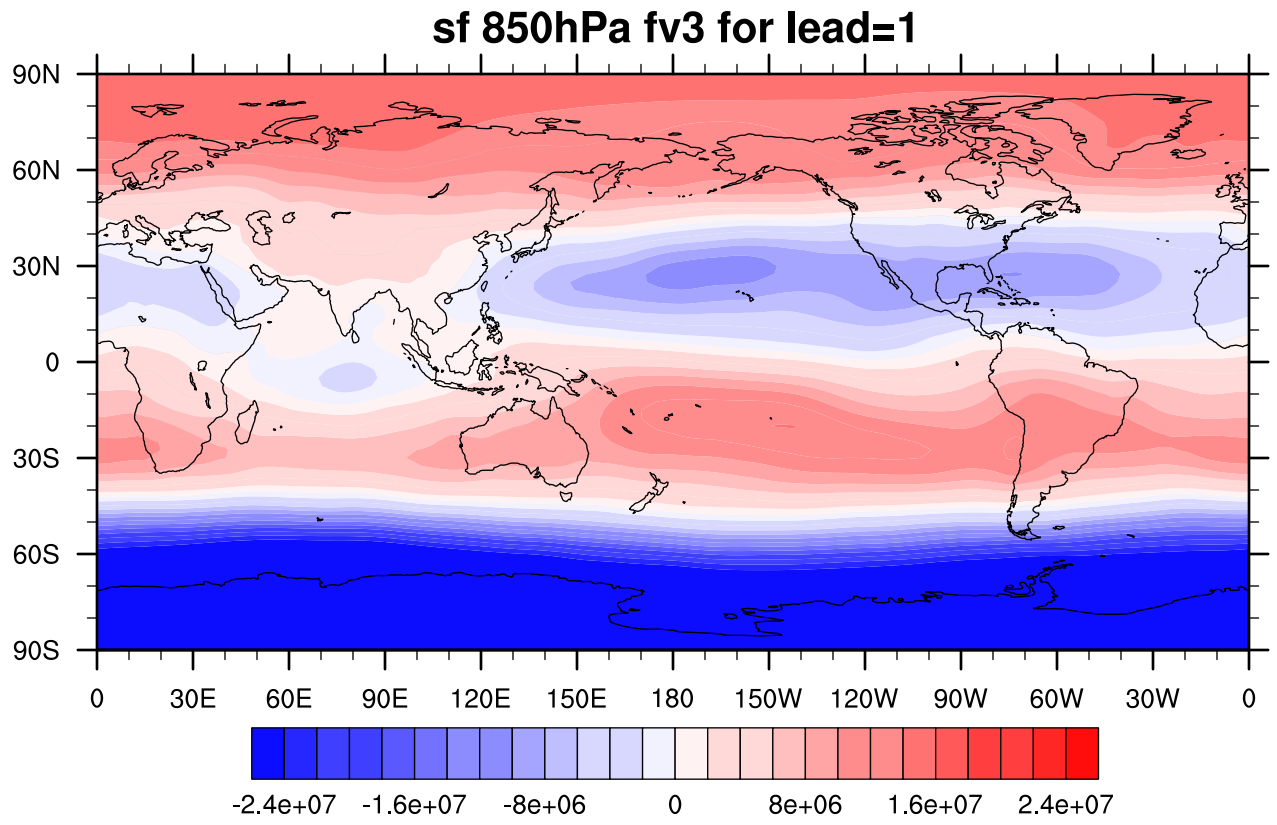
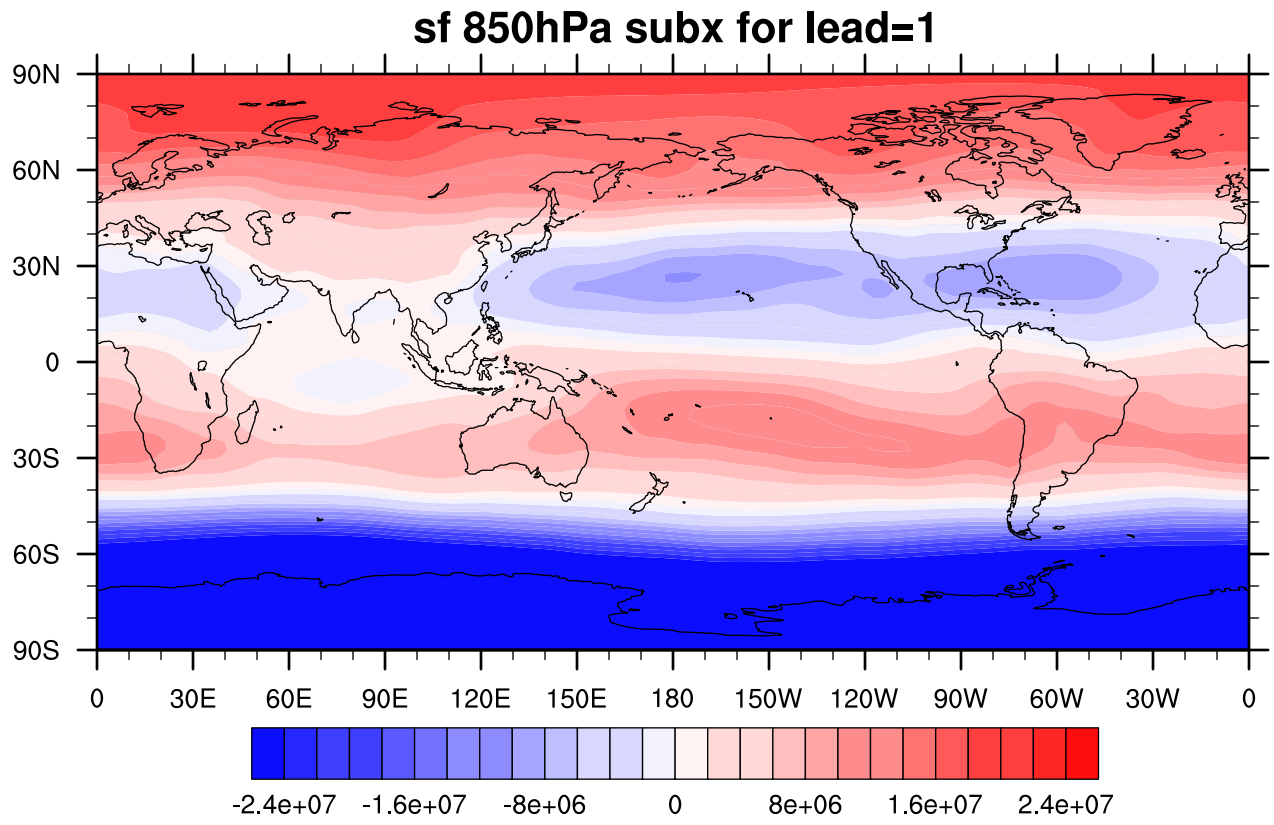
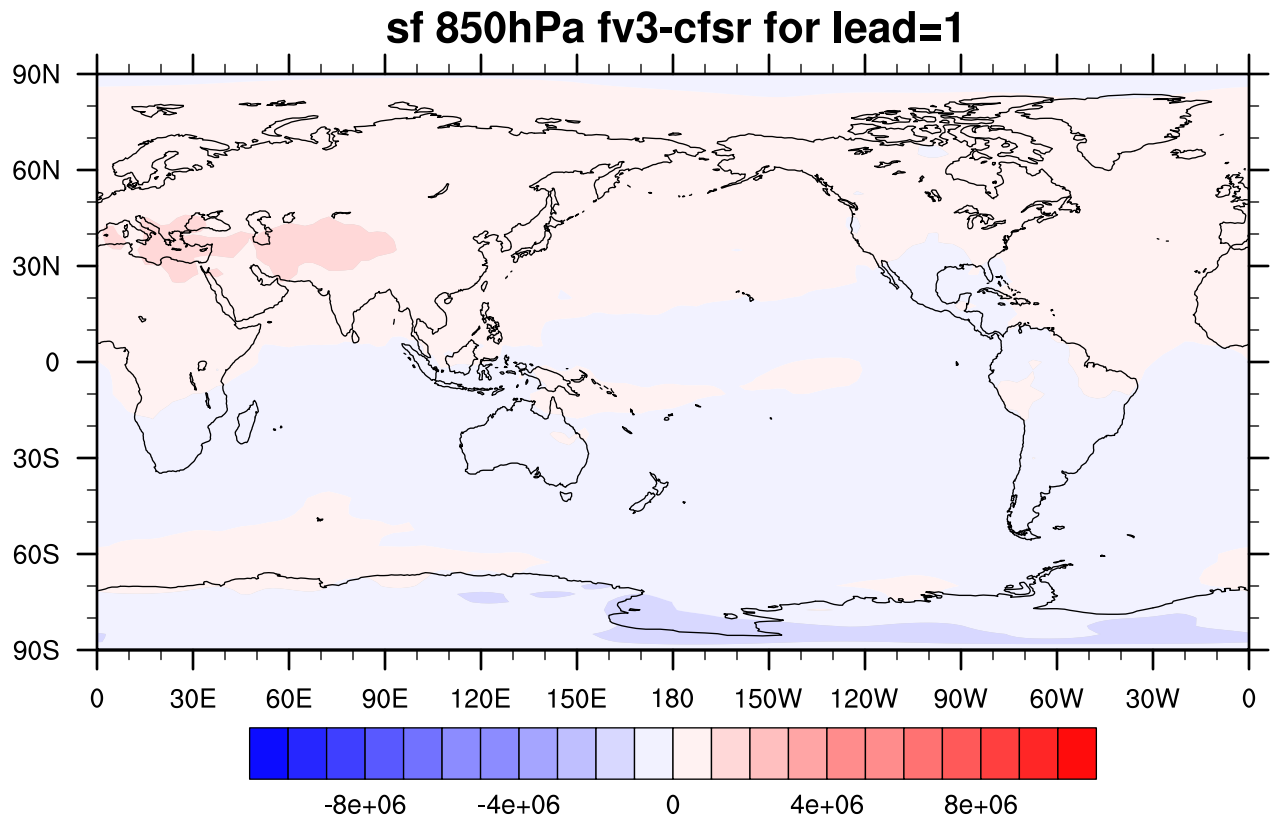
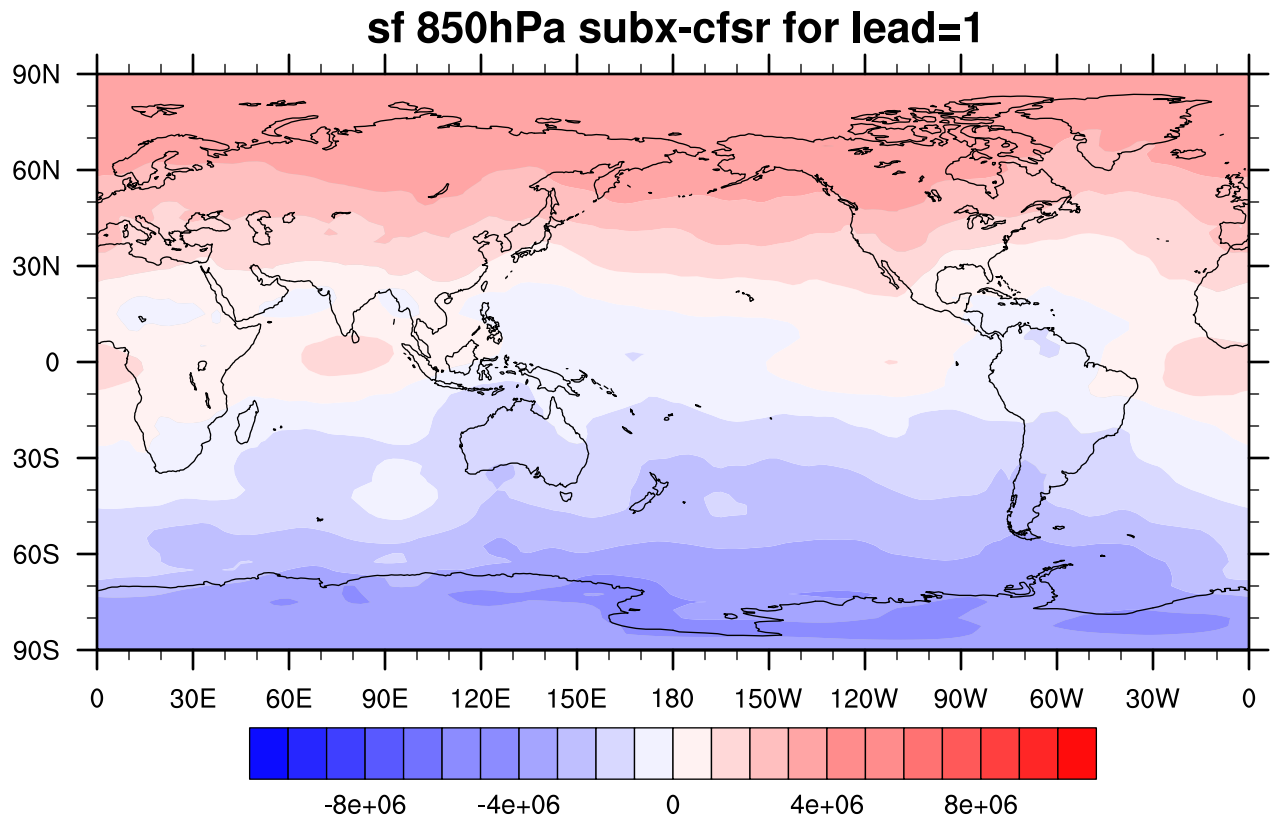


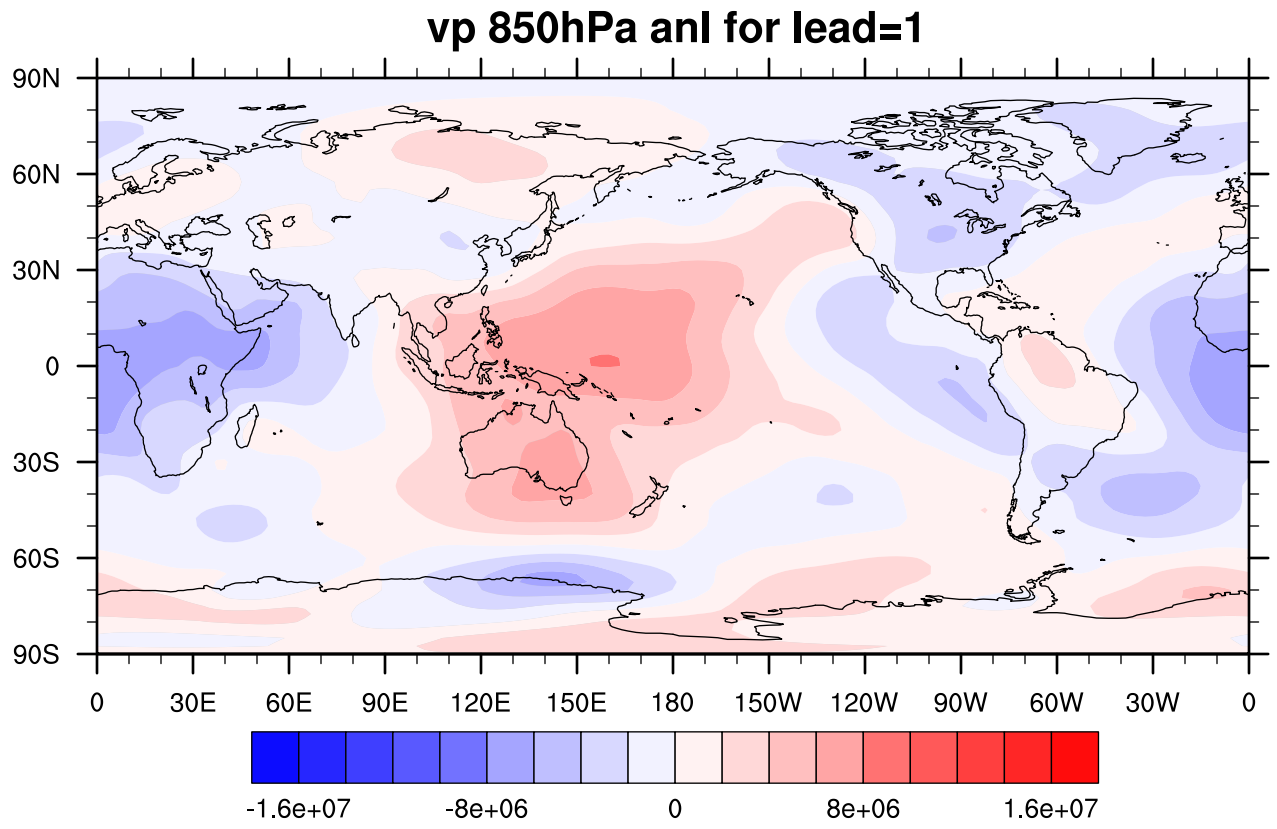

sf 850hPa anl for lead=1
90N
60N
30N
0
30S
60S
90S
0
30E
60E
90E
120E
150E
180
150W
120W
90W
60W
30W
0
-2.4e+07
-1.6e+07
-8e+06
0
8e+06
1.6e+07
2.4e+07

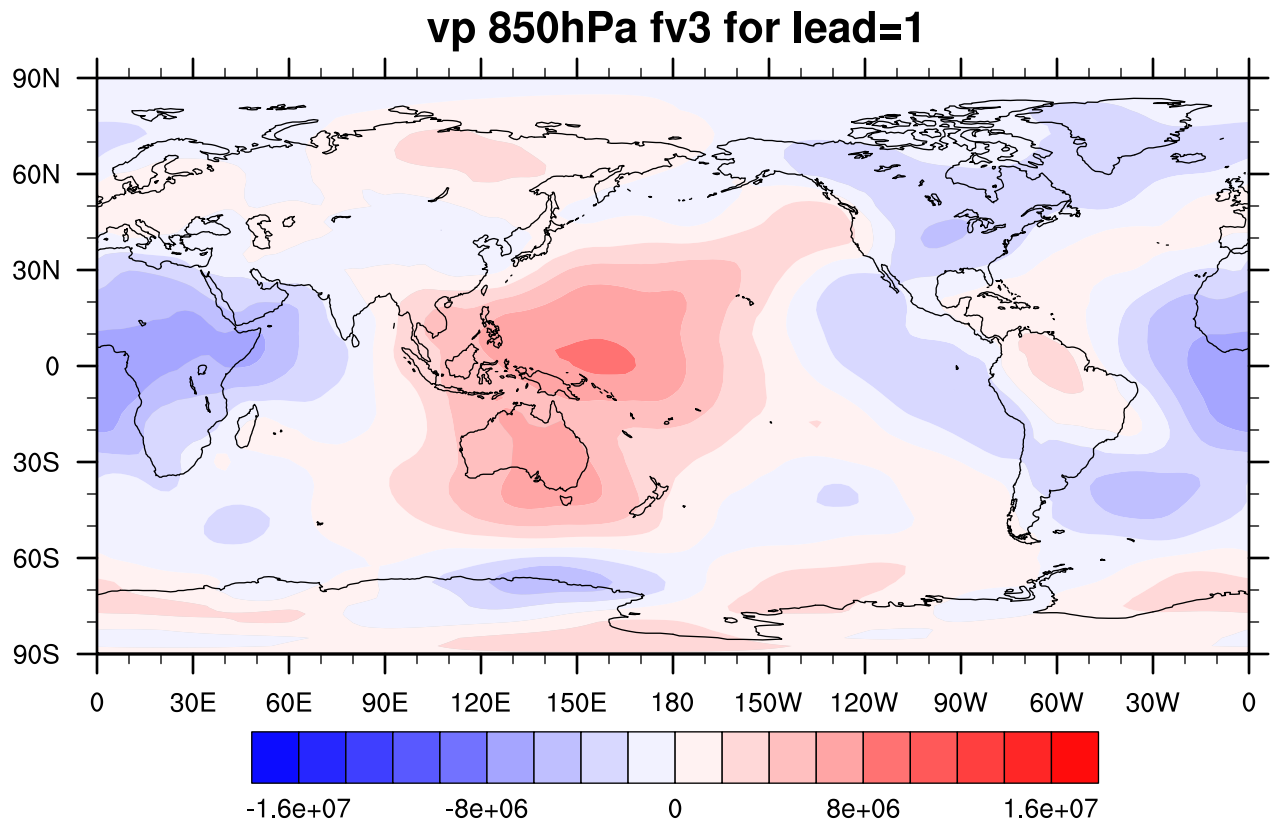

sf 850hPa fv3 for lead=1
90N
60N
30N
0
30S
60S
90S
0
30E
60E
90E
120E
150E
180
150W
120W
90W
60W
30W
0
-2.4e+07
-1.6e+07
-8e+06
0
8e+06
1.6e+07
2.4e+07

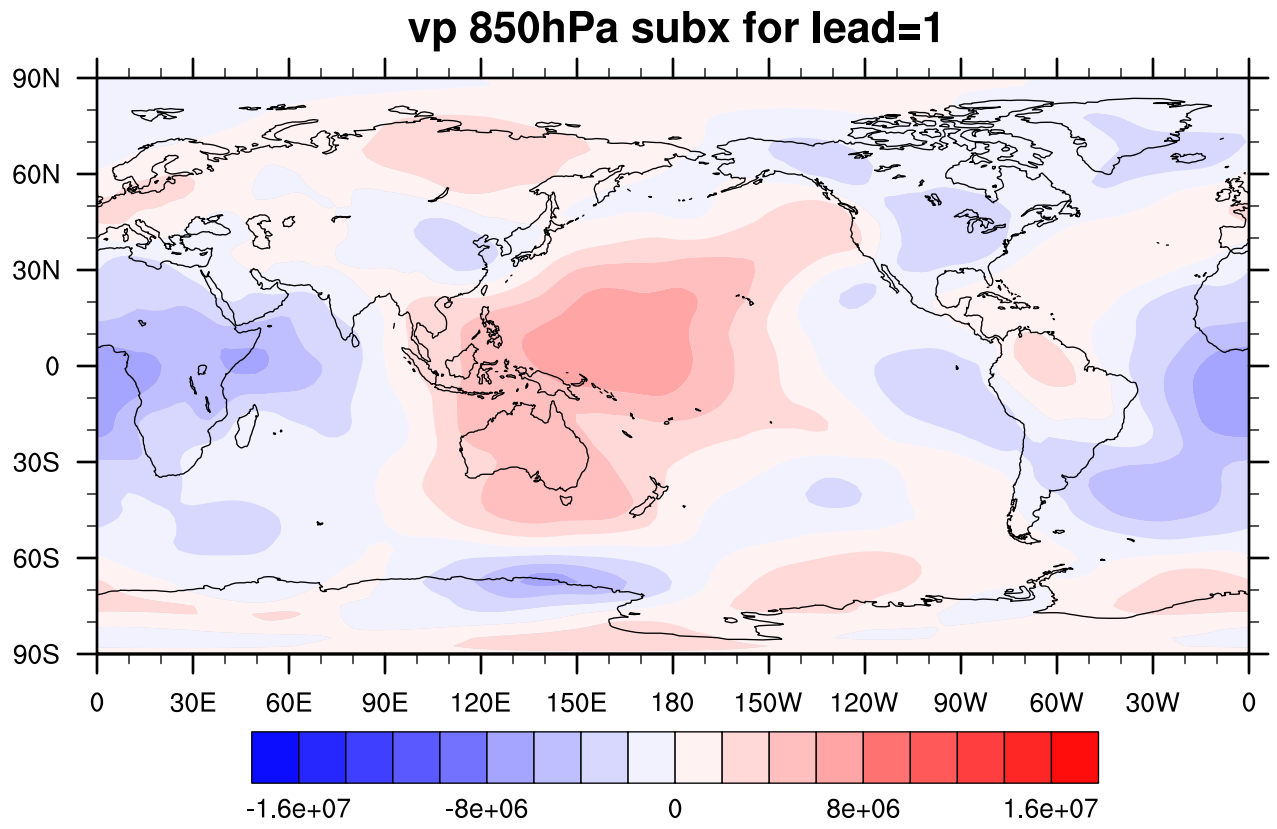

sf 850hPa subx for lead=1
90N
60N
30N
0
30S
60S
90S
0
30E
60E
90E
120E
150E
180
150W
120W
90W
60W
30W
0
-2.4e+07
-1.6e+07
-8e+06
0
8e+06
1.6e+07
2.4e+07

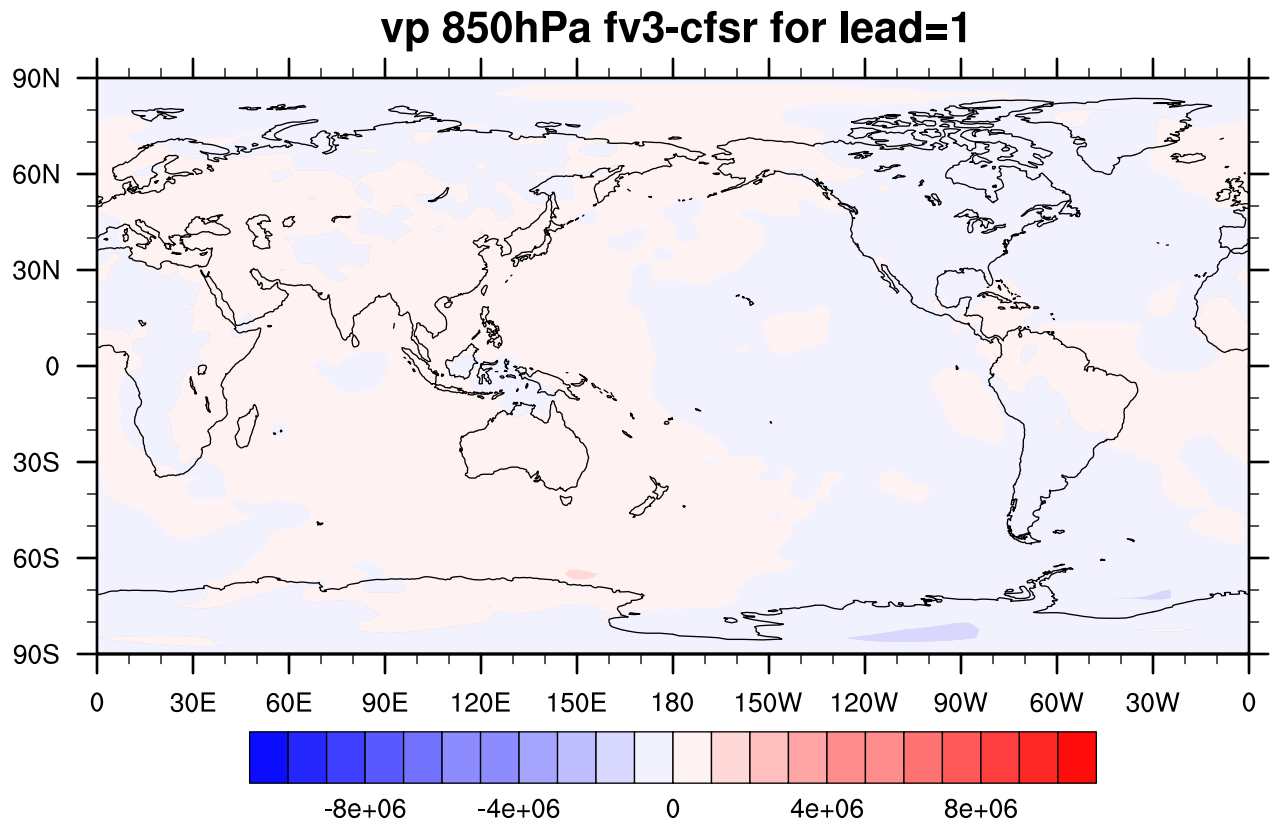

sf 850hPa fv3-cfsr for lead=1
90N
60N
30N
0
30S
60S
90S
0
30E
60E
90E
120E
150E
180
150W
120W
90W
60W
30W
0
-8e+06
-4e+06
0
4e+06
8e+06

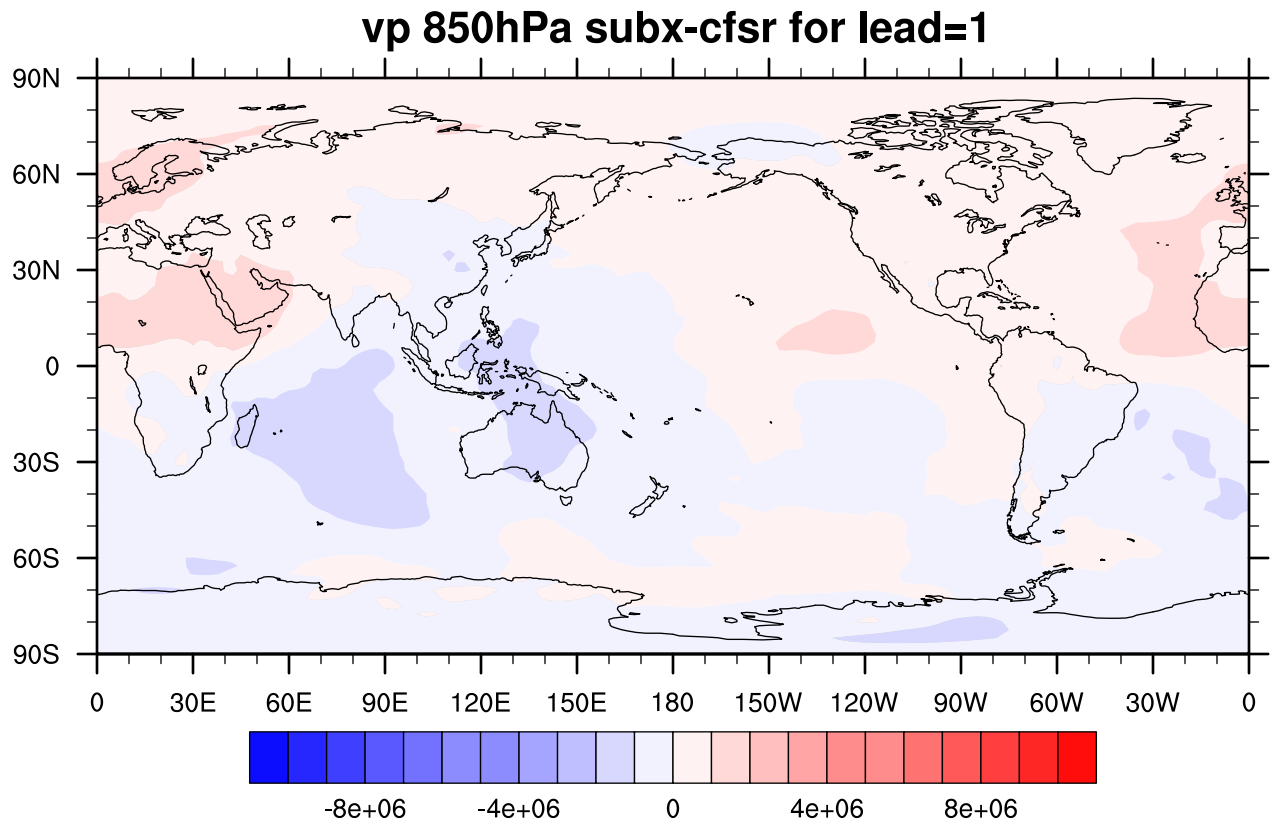

sf 850hPa subx-cfsr for lead=1
90N
60N
30N
0
30S
60S
90S
0
30E
60E
90E
120E
150E
180
150W
120W
90W
60W
30W
0
-8e+06
-4e+06
0
4e+06
8e+06

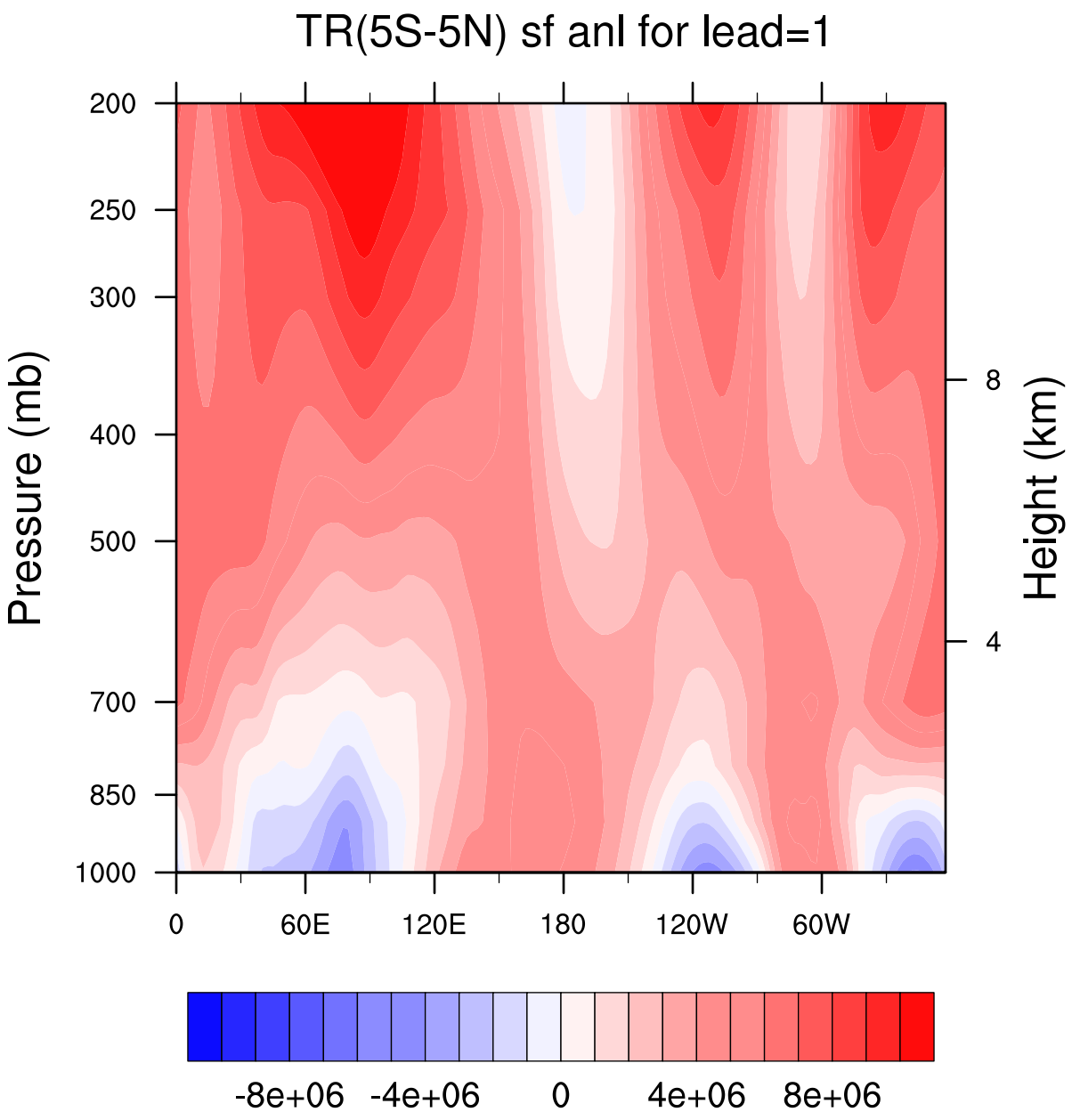

vp 850hPa anl for lead=1
90N
60N
30N
0
30S
60S
90S
0
30E
60E
90E
120E
150E
180
150W
120W
90W
60W
30W
0
-1.6e+07
-8e+06
0
8e+06
1.6e+07

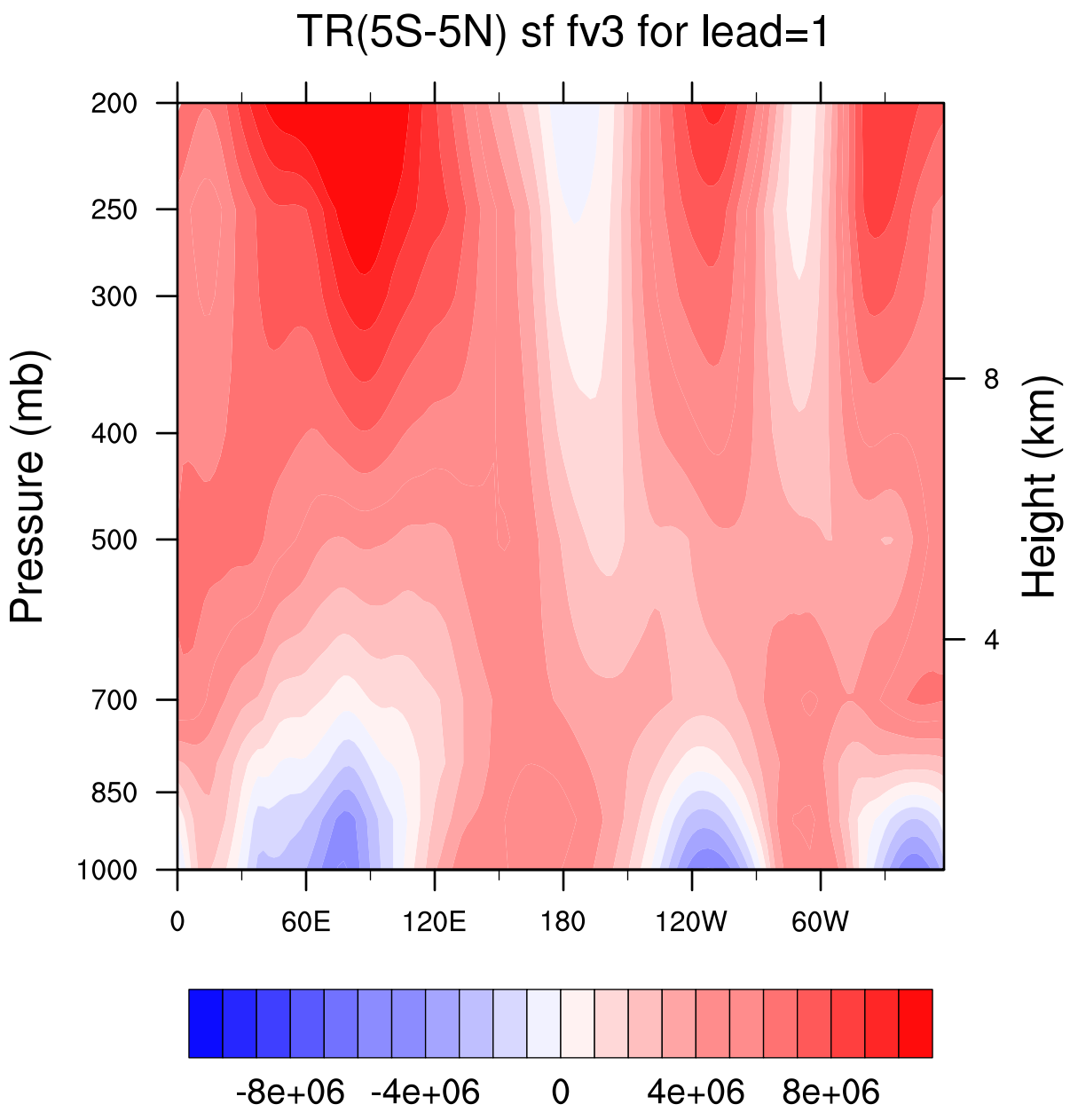

vp 850hPa fv3 for lead=1
90N
60N
30N
0
30S
60S
90S
0
30E
60E
90E
120E
150E
180
150W
120W
90W
60W
30W
0
-1.6e+07
-8e+06
0
8e+06
1.6e+07

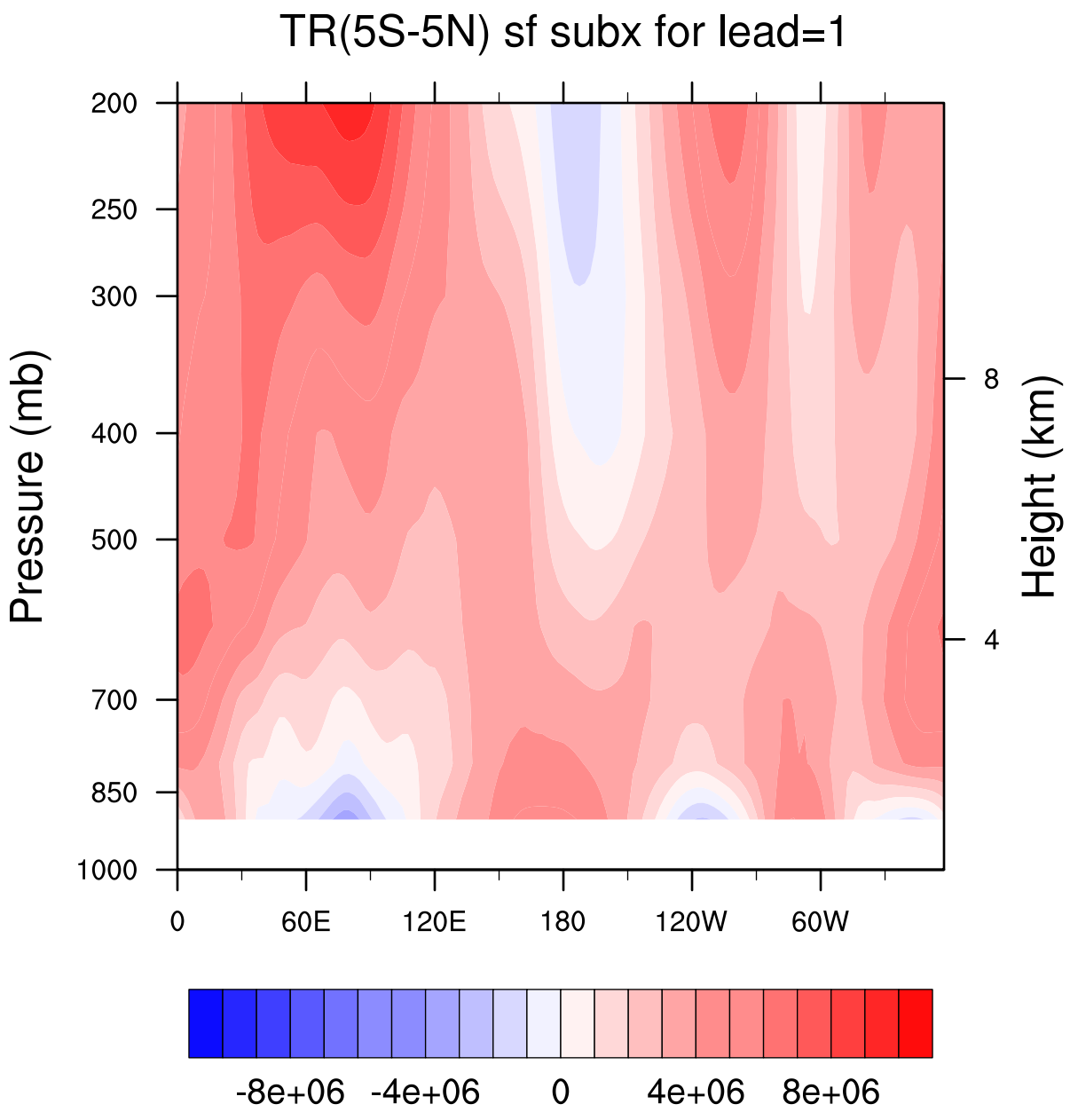

vp 850hPa subx for lead=1
90N
60N
30N
0
30S
60S
90S
0
30E
60E
90E
120E
150E
180
150W
120W
90W
60W
30W
0
-1.6e+07
-8e+06
0
8e+06
1.6e+07

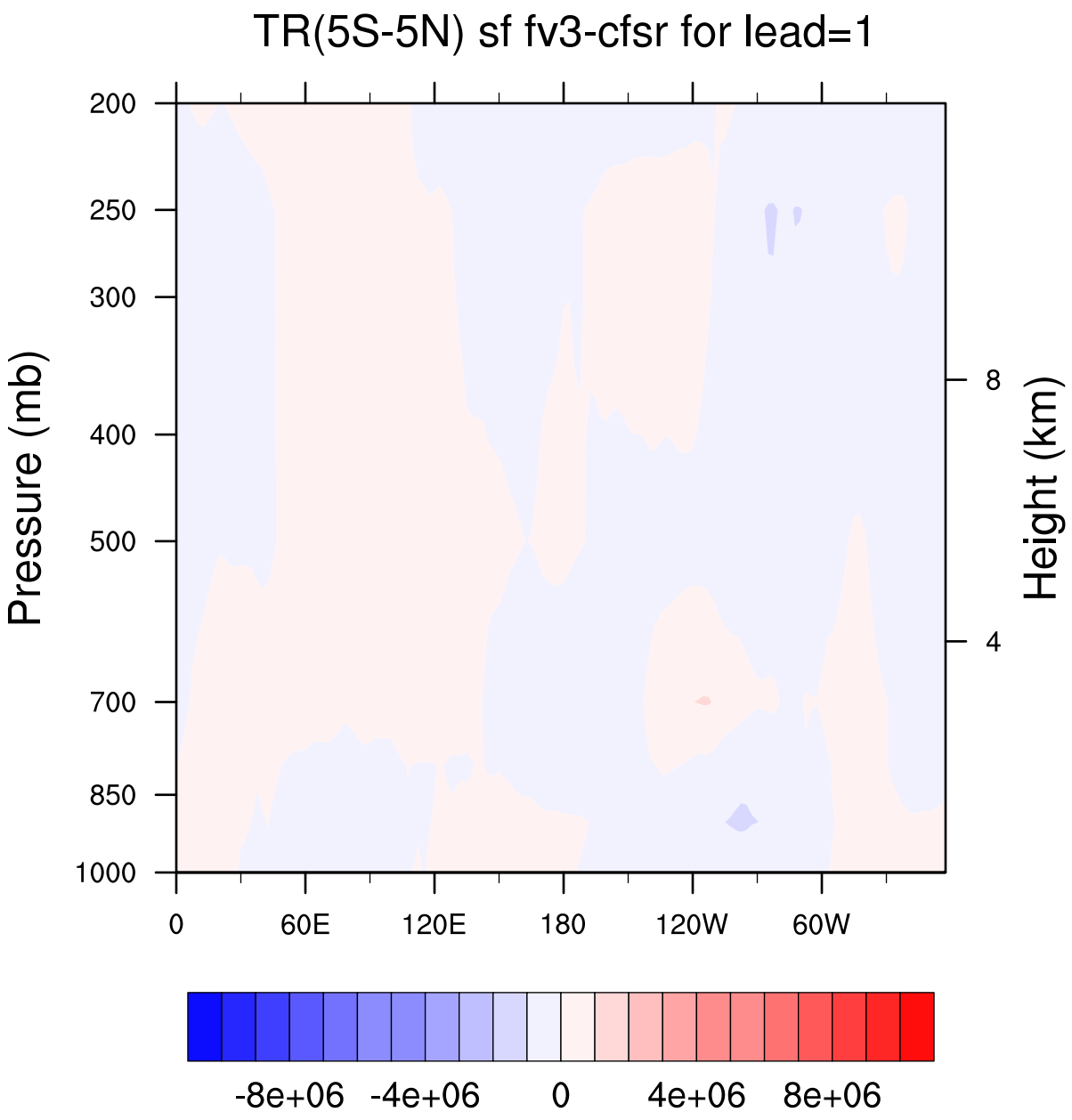

vp 850hPa fv3-cfsr for lead=1
90N
60N
30N
0
30S
60S
90S
0
30E
60E
90E
120E
150E
180
150W
120W
90W
60W
30W
0
-8e+06
-4e+06
0
4e+06
8e+06

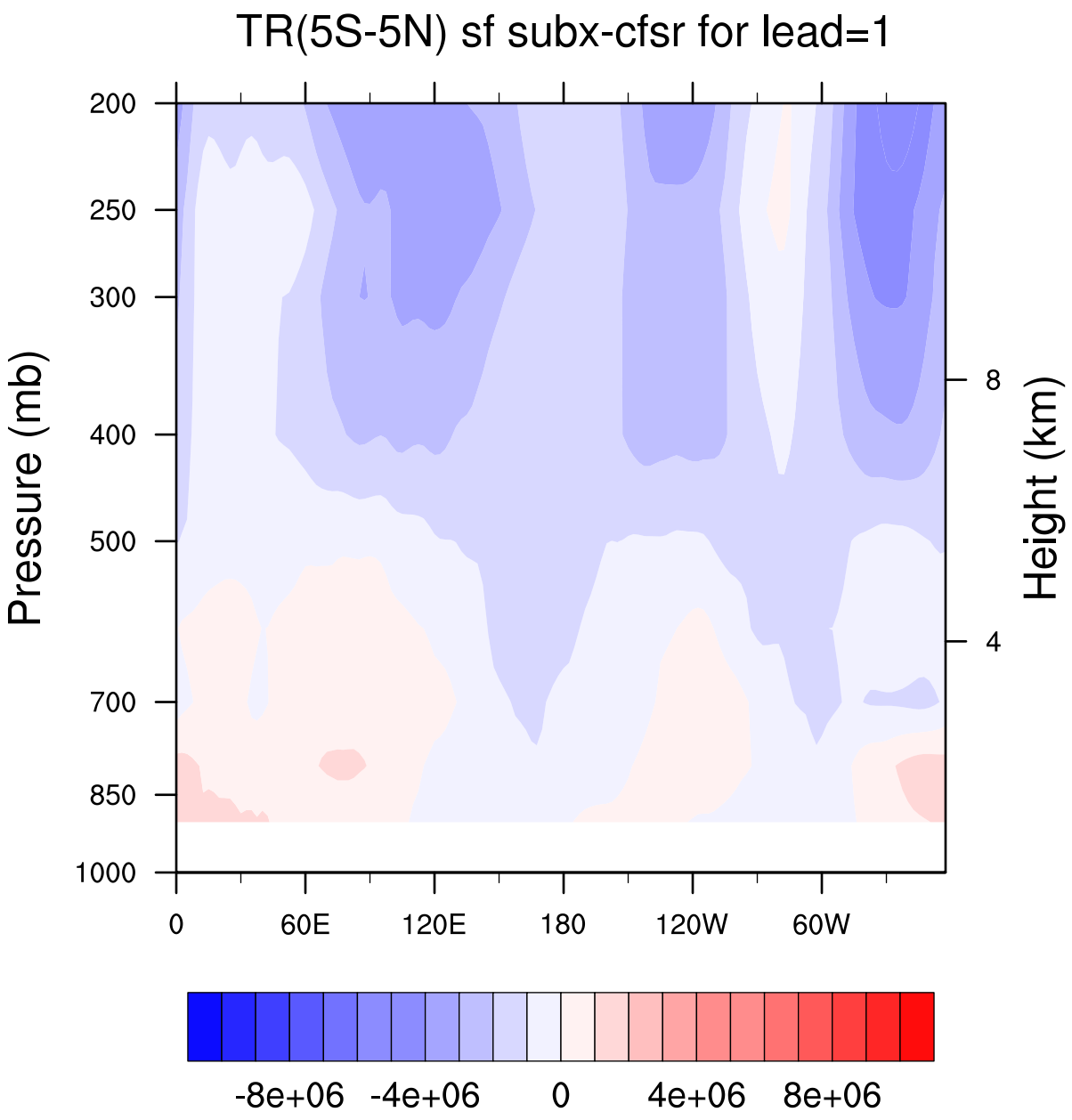

vp 850hPa subx-cfsr for lead=1
90N
60N
30N
0
30S
60S
90S
0
30E
60E
90E
120E
150E
180
150W
120W
90W
60W
30W
0
-8e+06
-4e+06
0
4e+06
8e+06

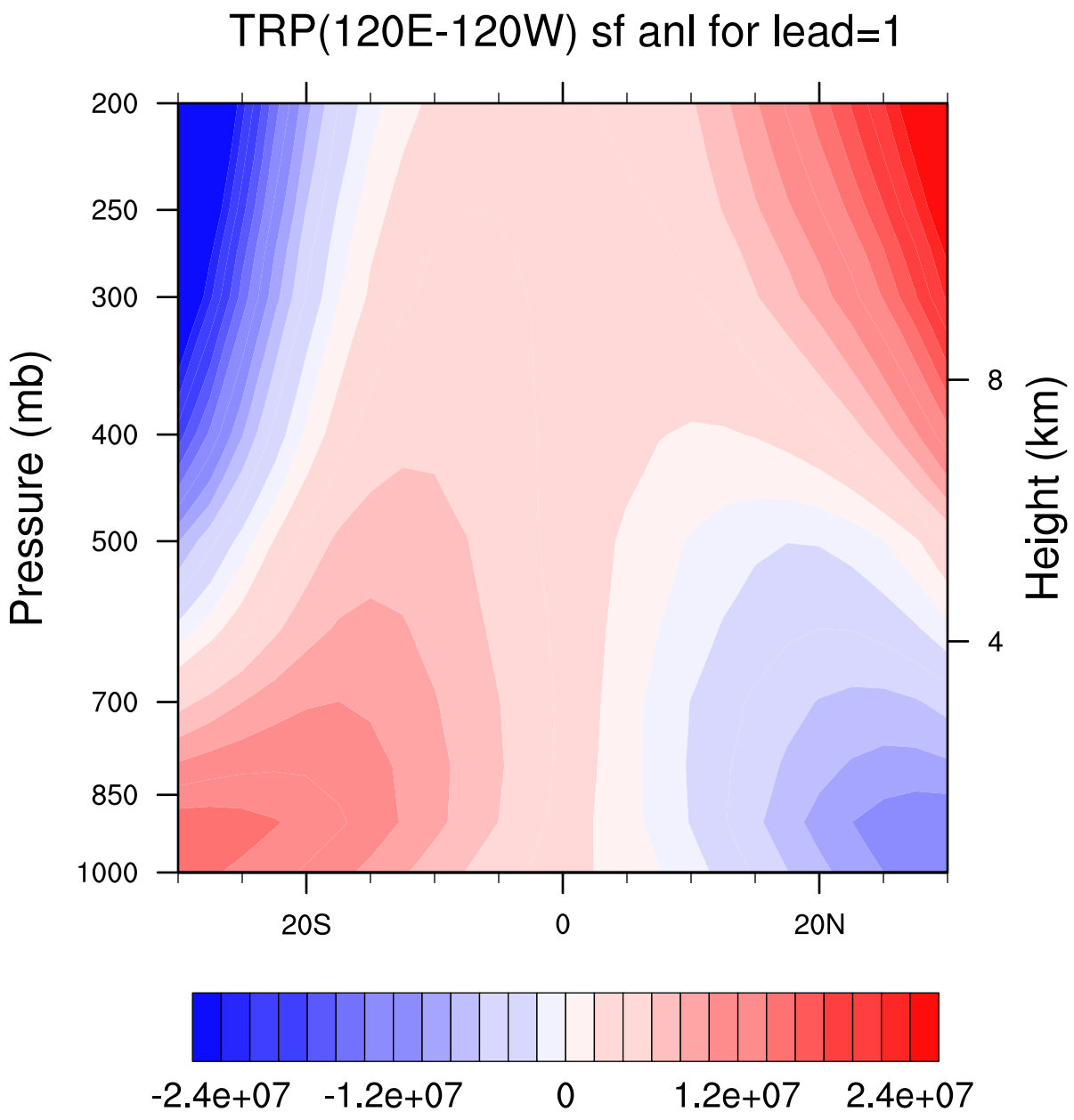

TR(5S-5N) sf anl for lead=1
Pressure (mb)
200
250
300
400
500
700
850
1000
Height (km)
8
4
0
60E
120E
180
120W
60W
-8e+06
-4e+06
0
4e+06
8e+06

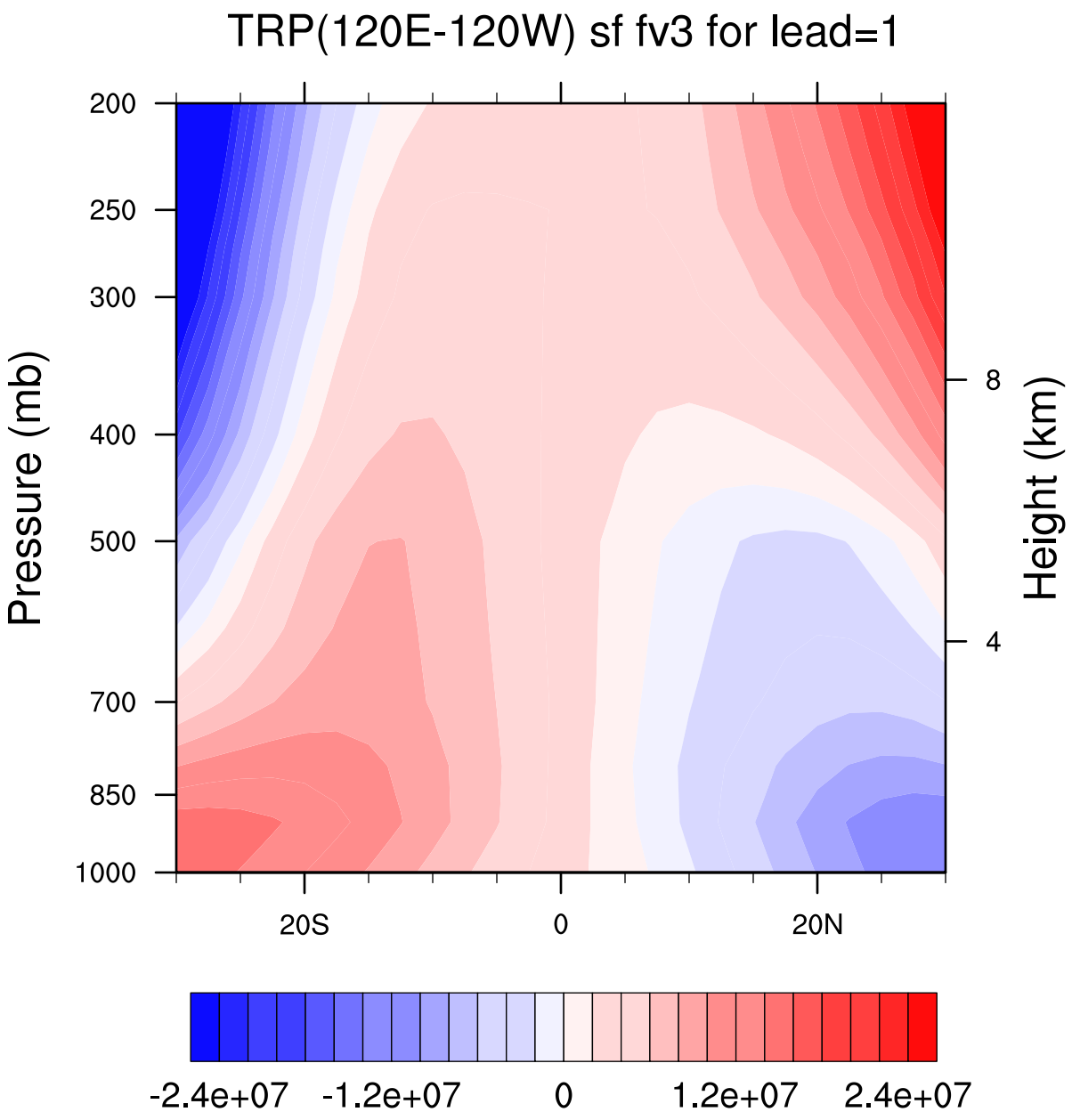

TR(5S-5N) sf fv3 for lead=1
Pressure (mb)
200
250
300
400
500
700
850
1000
Height (km)
8
4
0
60E
120E
180
120W
60W
-8e+06
-4e+06
0
4e+06
8e+06

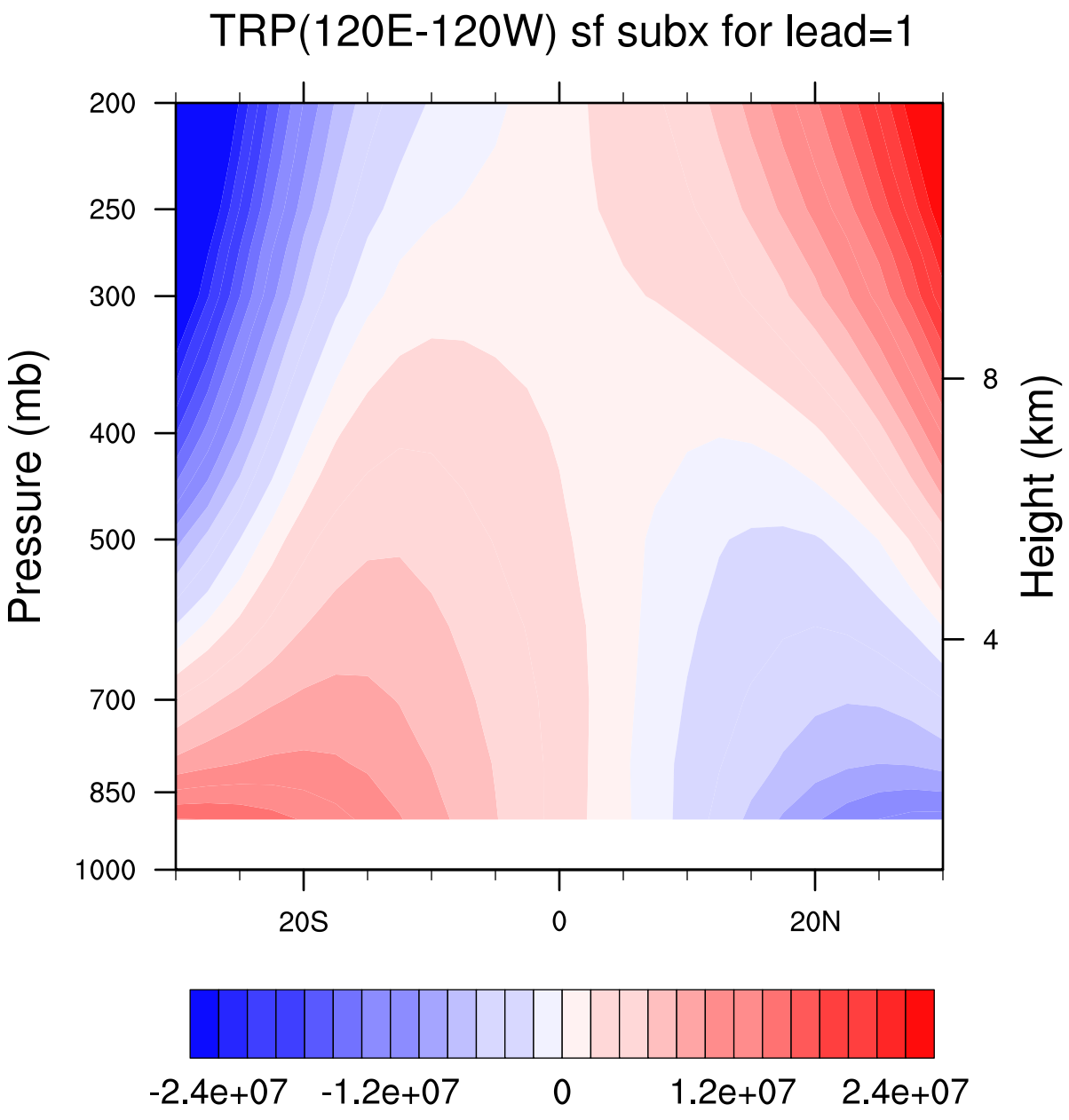

TR(5S-5N) sf subx for lead=1
Pressure (mb)
200
250
300
400
500
700
850
1000
Height (km)
8
4
0
60E
120E
180
120W
60W
-8e+06
-4e+06
0
4e+06
8e+06

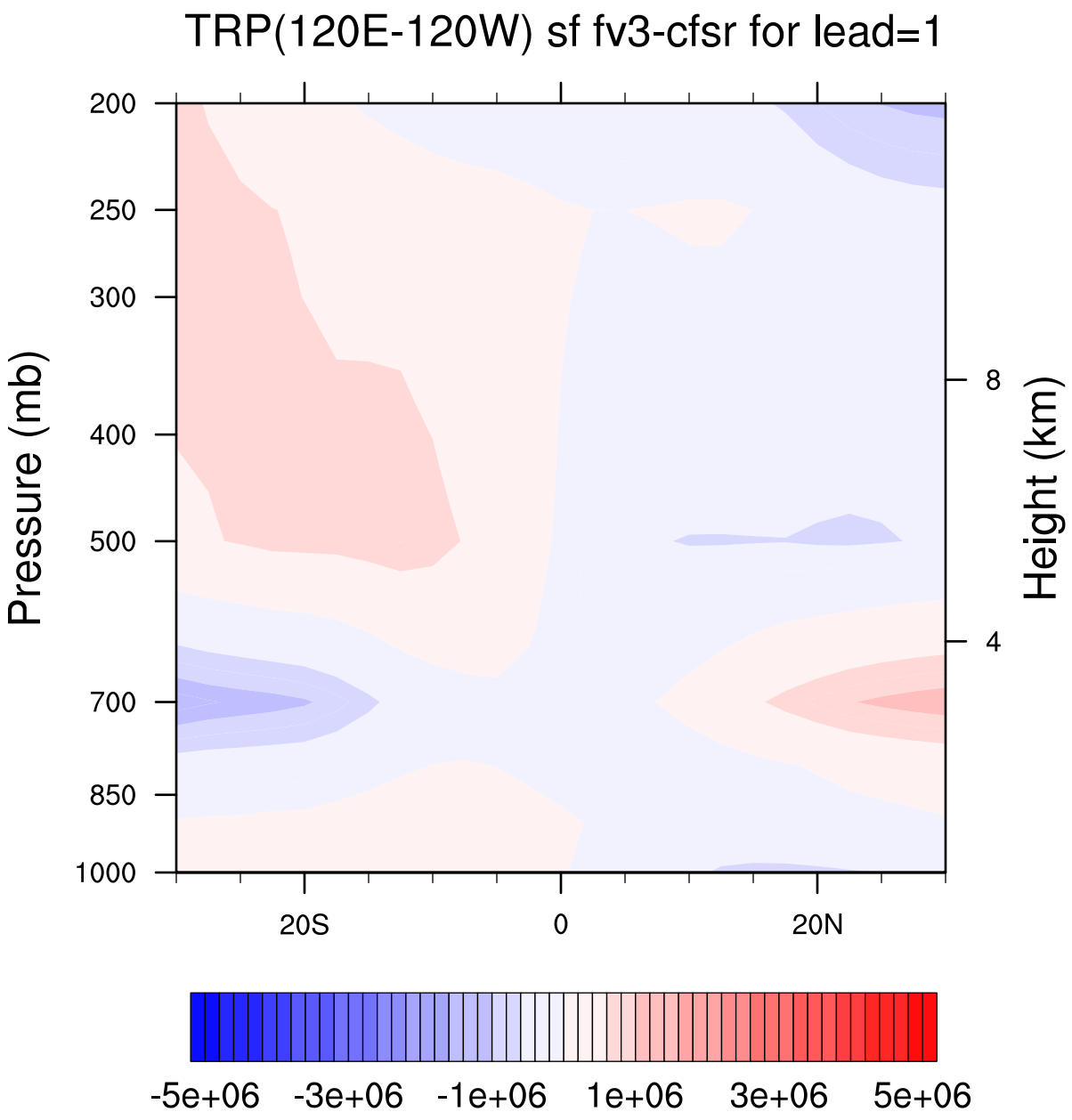

TR(5S-5N) sf fv3-cfsr for lead=1
Pressure (mb)
200
250
300
400
500
700
850
1000
Height (km)
8
4
0
60E
120E
180
120W
60W
-8e+06
-4e+06
0
4e+06
8e+06

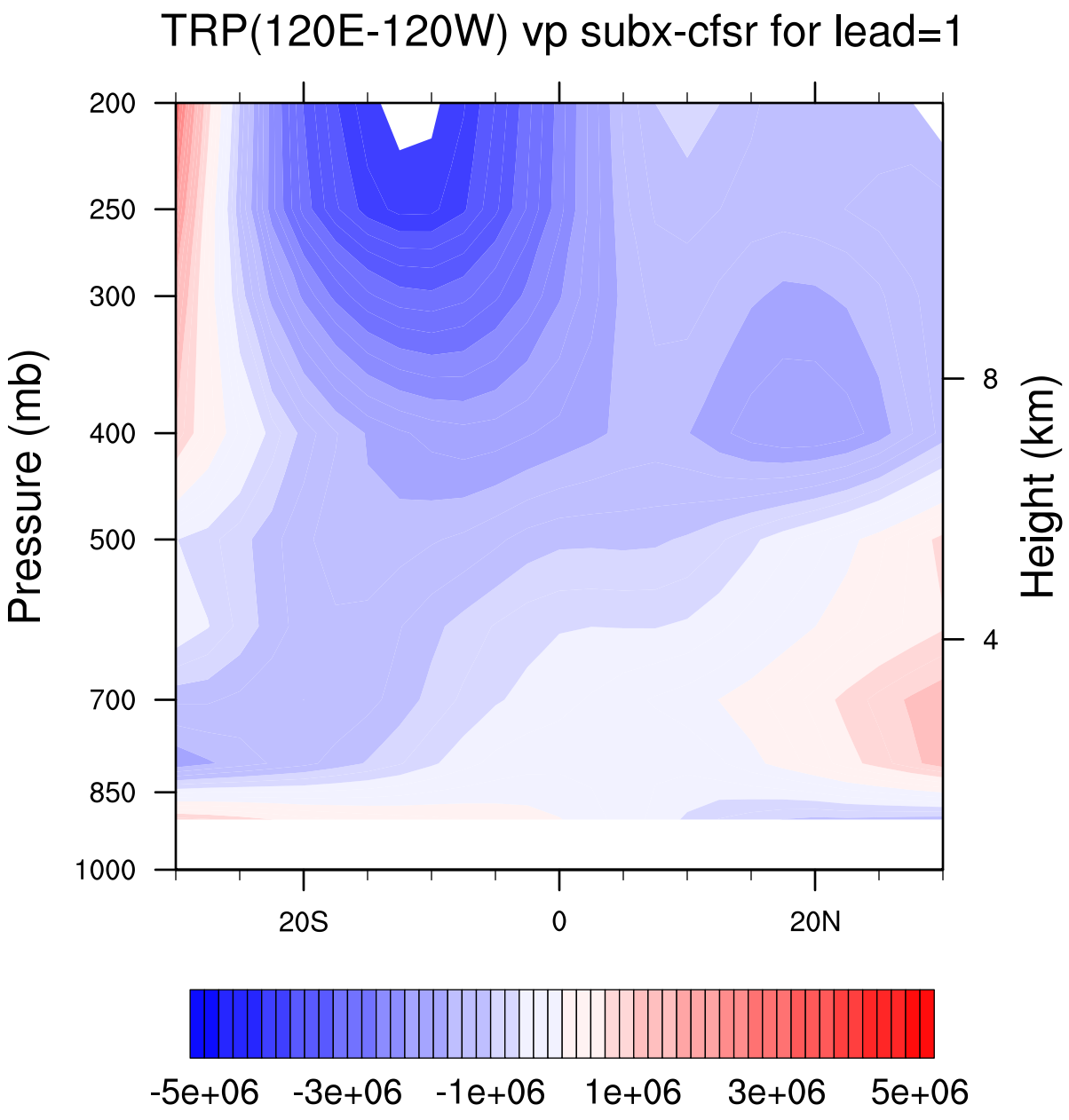

TR(5S-5N) sf subx-cfsr for lead=1
Pressure (mb)
200
250
300
400
500
700
850
1000
Height (km)
8
4
0
60E
120E
180
120W
60W
-8e+06
-4e+06
0
4e+06
8e+06

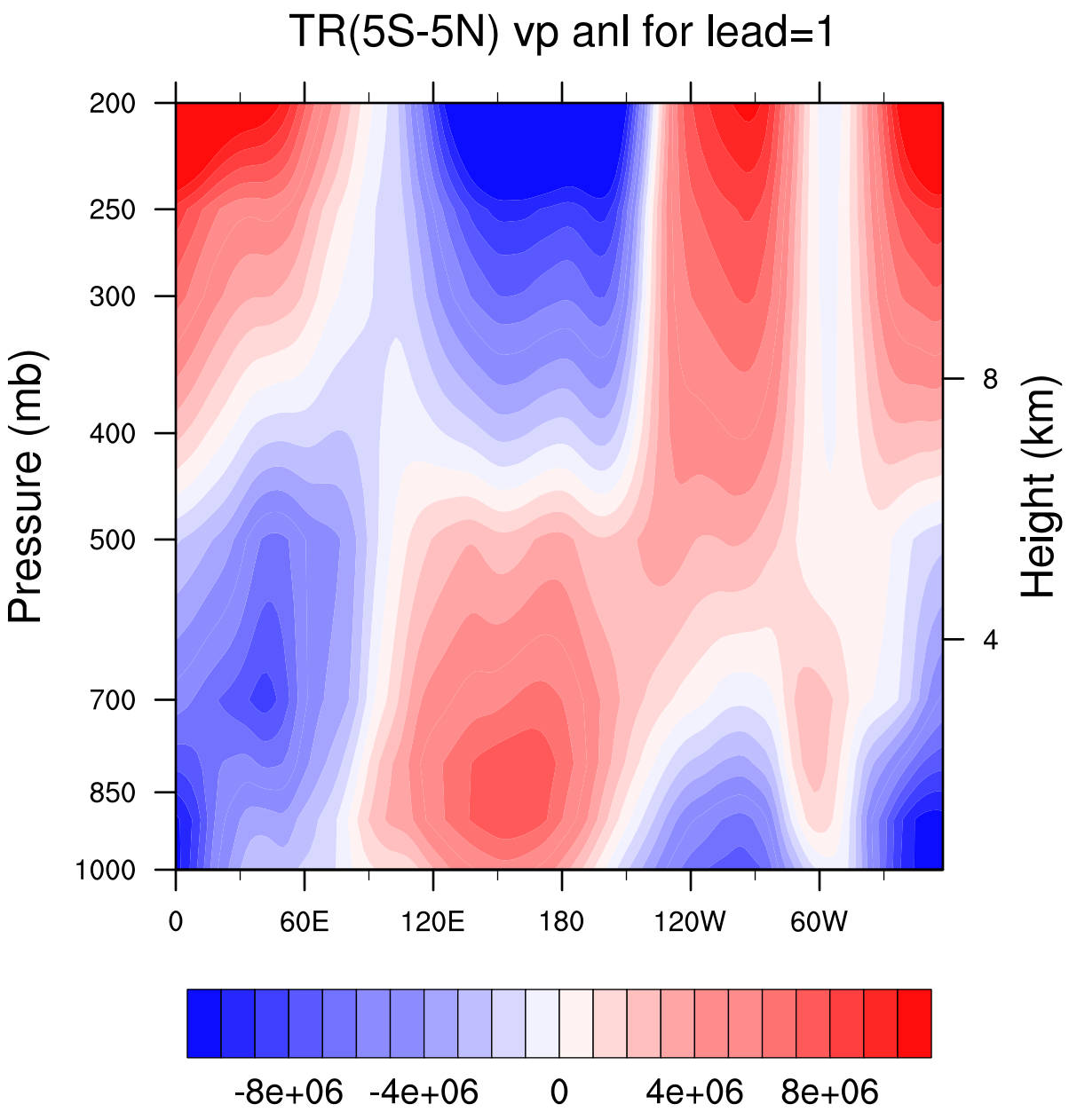

TRP(120E-120W) sf anl for lead=1
Pressure (mb)
200
250
300
400
500
700
850
1000
Height (km)
8
4
20S
0
20N
-2.4e+07
-1.2e+07
0
1.2e+07
2.4e+07

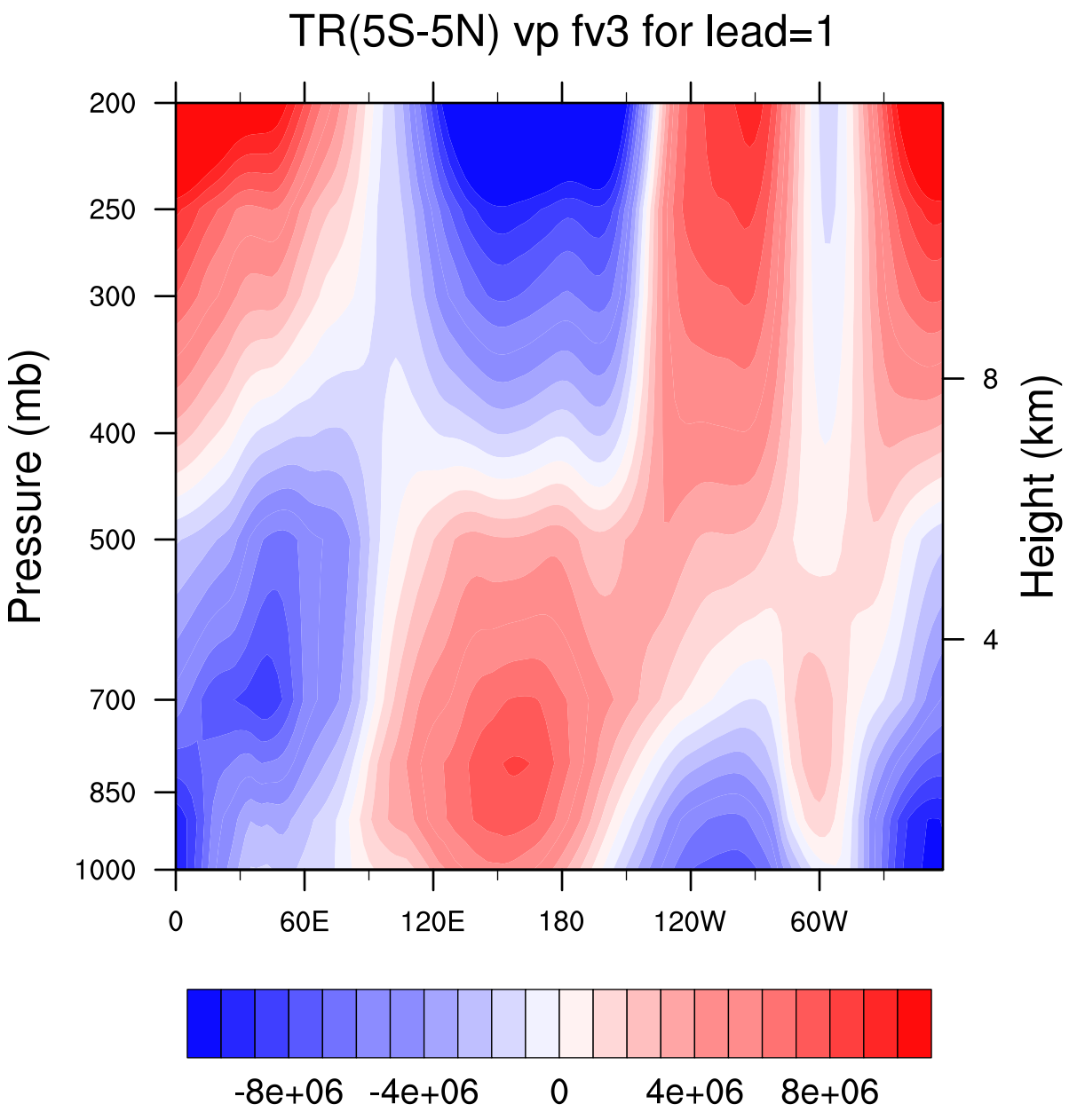

TRP(120E-120W) sf fv3 for lead=1
Pressure (mb)
200
250
300
400
500
700
850
1000
Height (km)
8
4
20S
0
20N
-2.4e+07
-1.2e+07
0
1.2e+07
2.4e+07

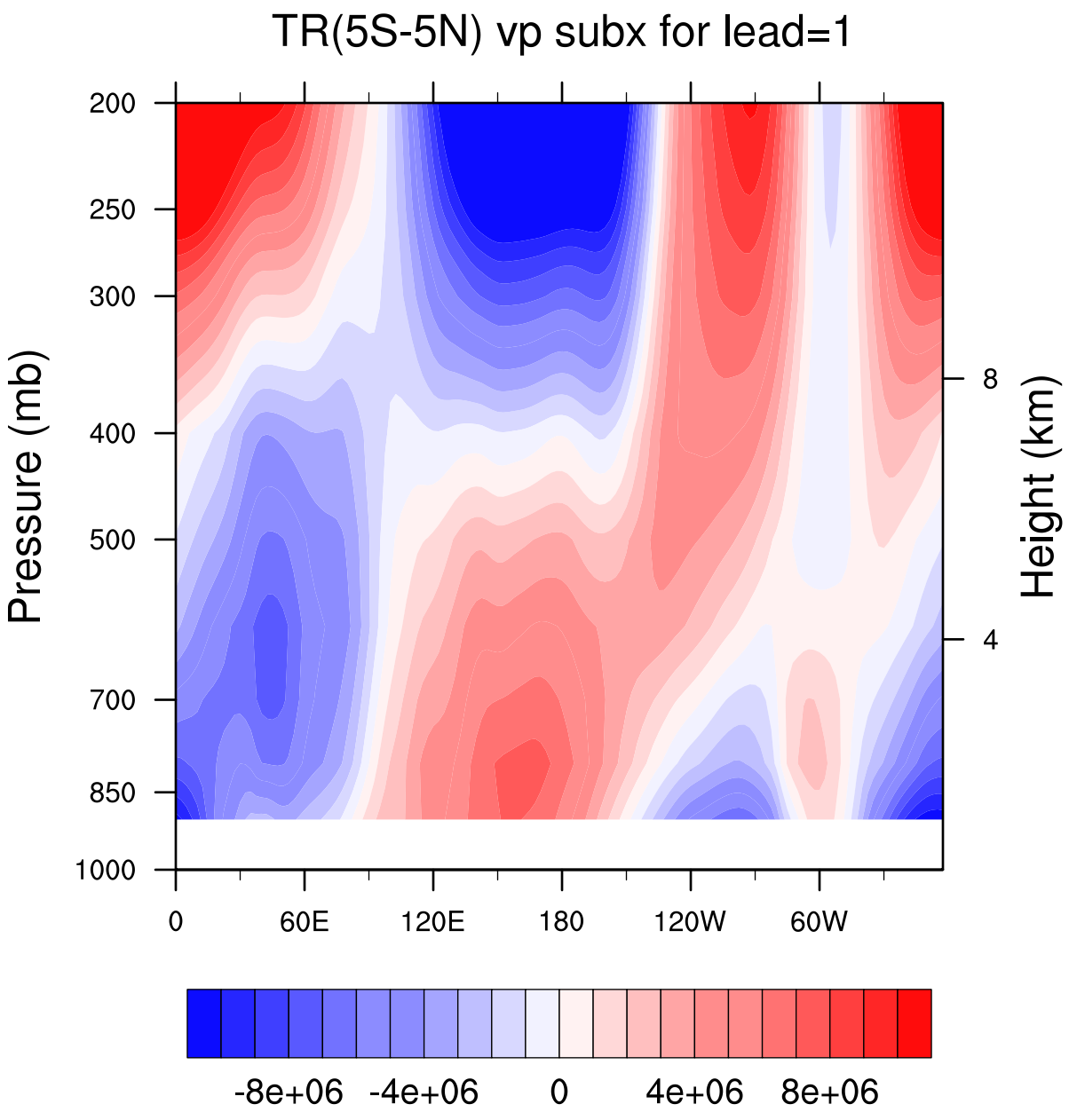

TRP(120E-120W) sf subx for lead=1
Pressure (mb)
200
250
300
400
500
700
850
1000
Height (km)
8
4
20S
0
20N
-2.4e+07
-1.2e+07
0
1.2e+07
2.4e+07

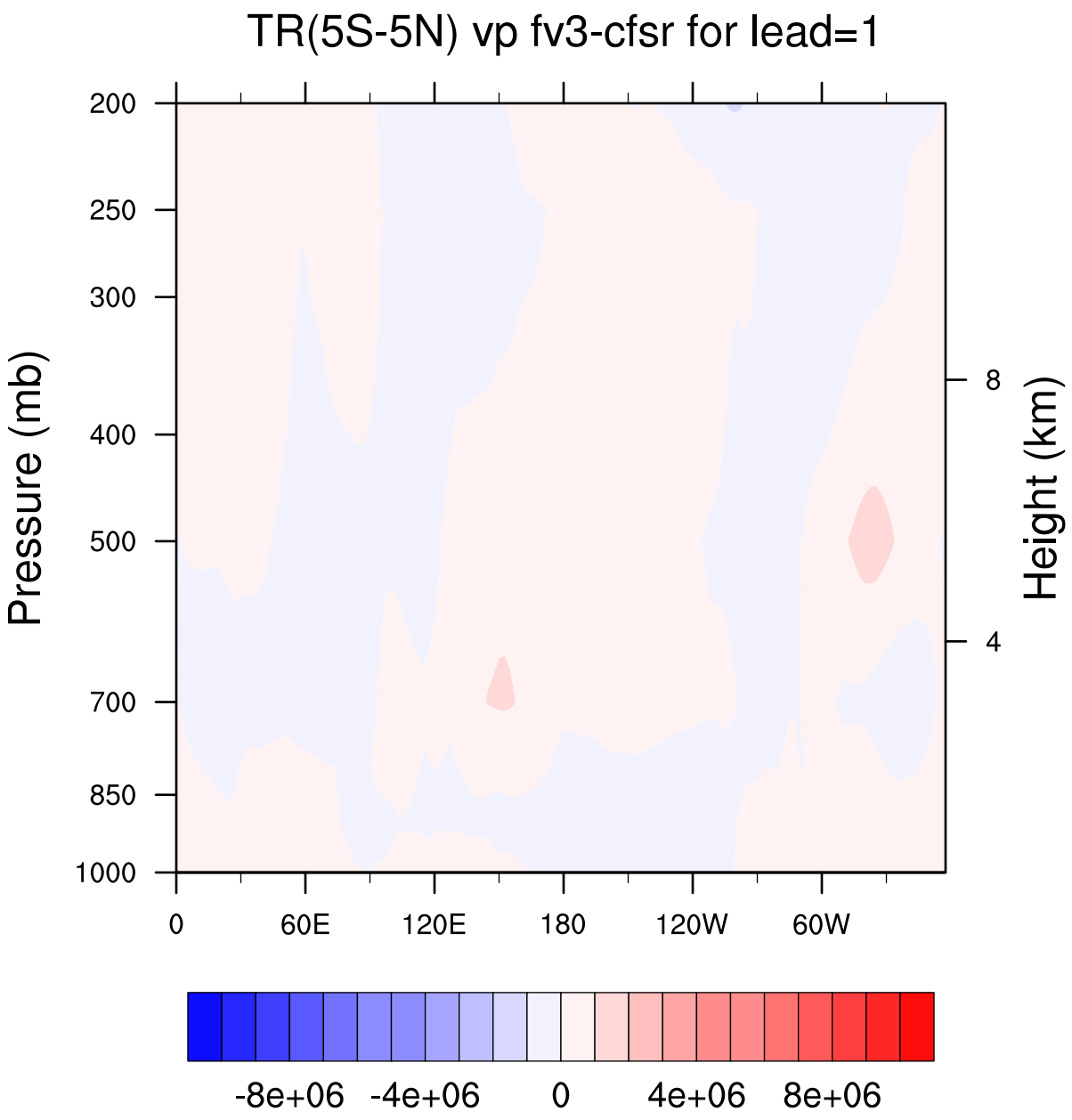

TRP(120E-120W) sf fv3-cfsr for lead=1
Pressure (mb)
200
250
300
400
500
700
850
1000
Height (km)
8
4
20S
0
20N
-5e+06
-3e+06
-1e+06
1e+06
3e+06
5e+06

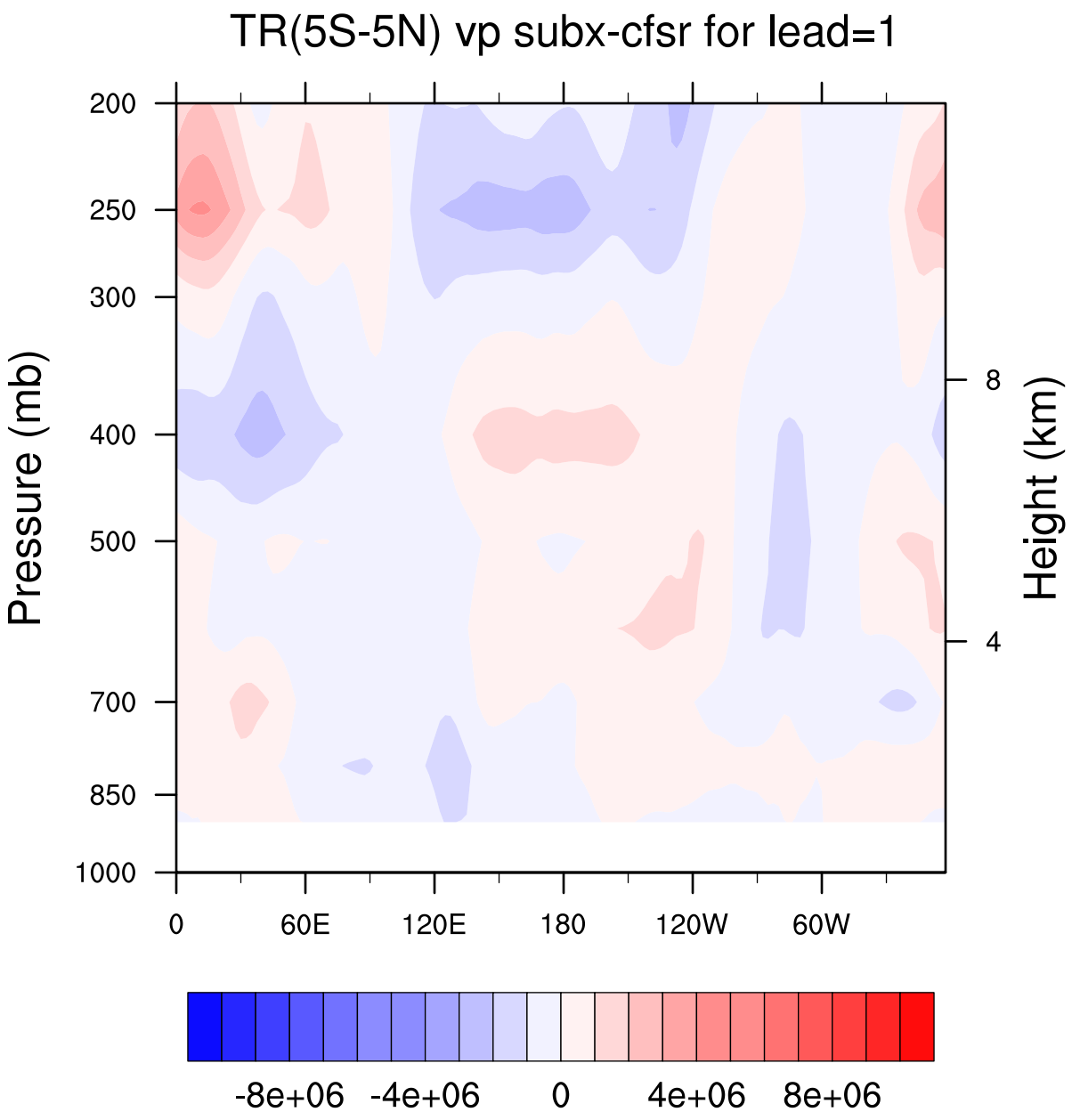

TRP(120E-120W) vp subx-cfsr for lead=1
Pressure (mb)
200
250
300
400
500
700
850
1000
Height (km)
8
4
20S
0
20N
-5e+06
-3e+06
-1e+06
1e+06
3e+06
5e+06

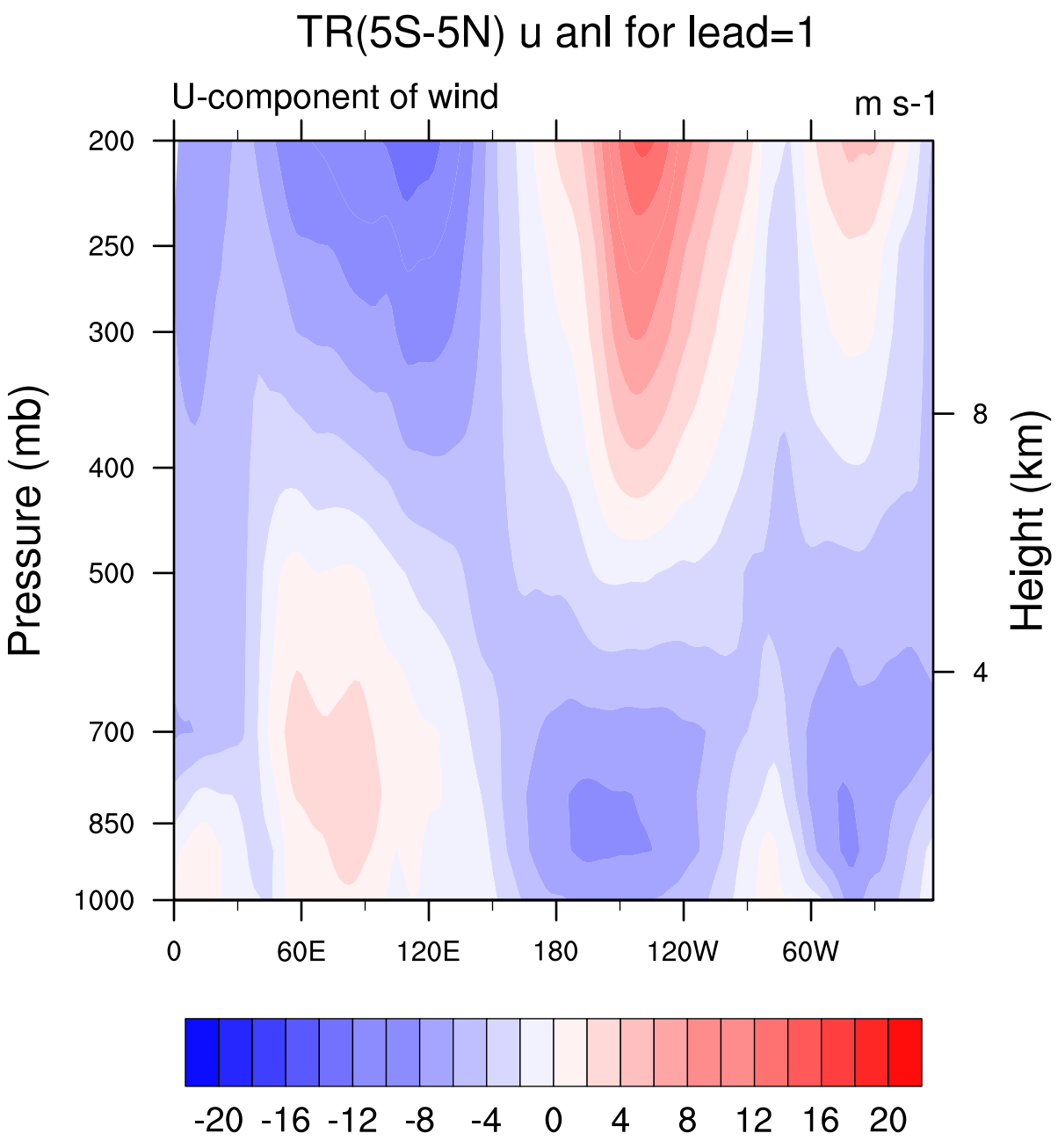

TR(5S-5N) vp anl for lead=1
Pressure (mb)
200
250
300
400
500
700
850
1000
Height (km)
8
4
0
60E
120E
180
120W
60W
-8e+06
-4e+06
0
4e+06
8e+06

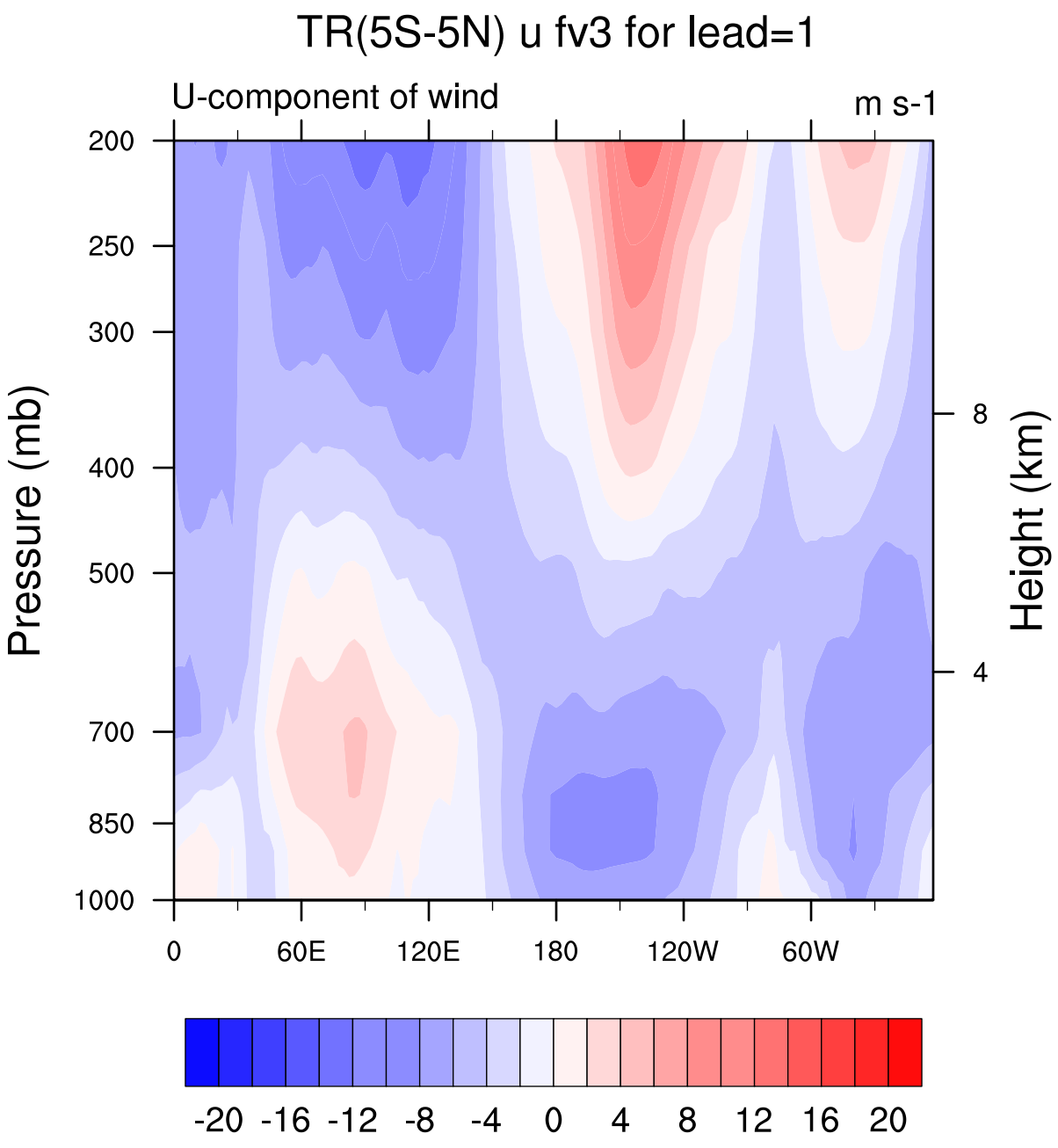

TR(5S-5N) vp fv3 for lead=1
Pressure (mb)
200
250
300
400
500
700
850
1000
Height (km)
8
4
0
60E
120E
180
120W
60W
-8e+06
-4e+06
0
4e+06
8e+06

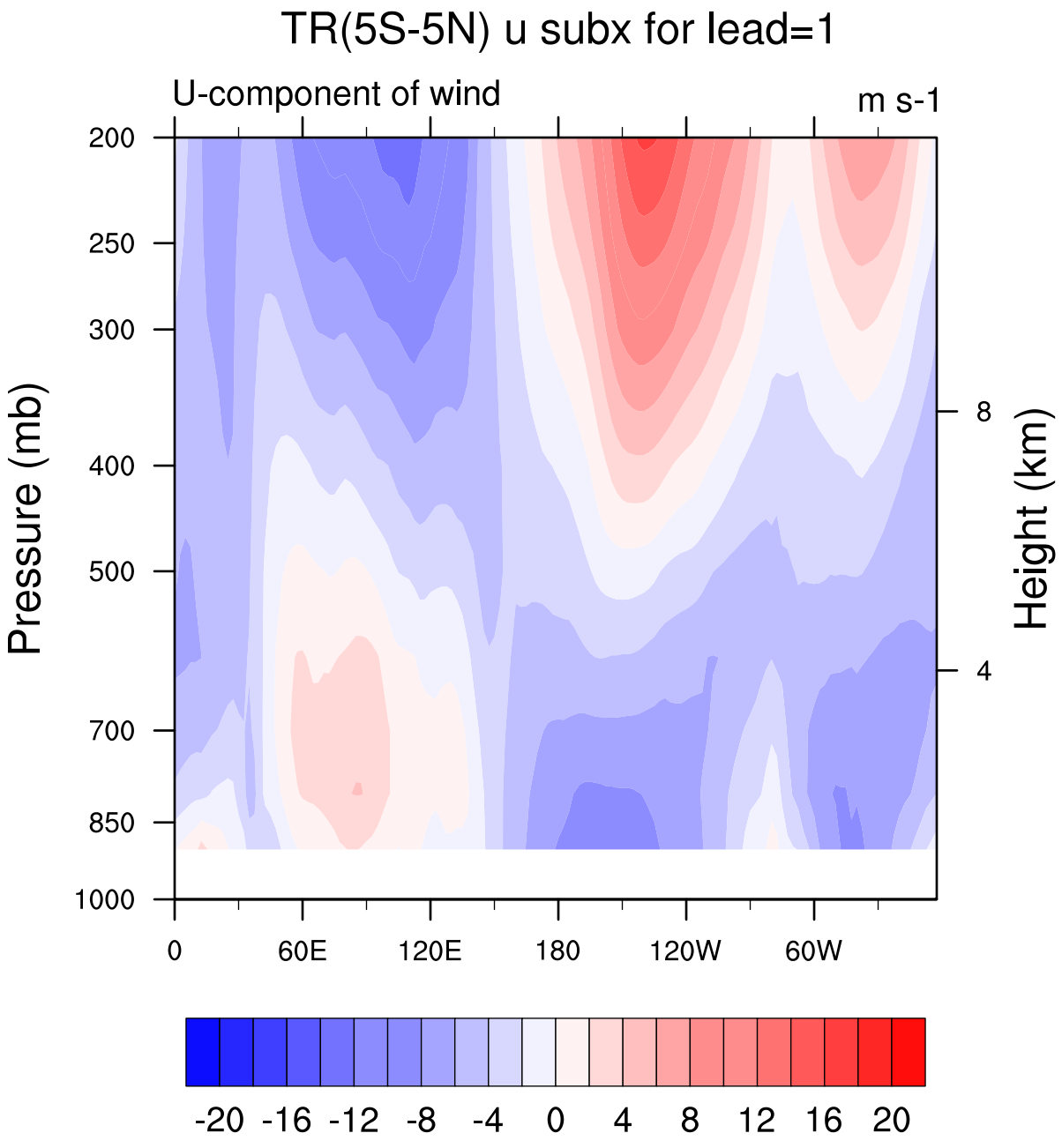

TR(5S-5N) vp subx for lead=1
Pressure (mb)
200
250
300
400
500
700
850
1000
Height (km)
8
4
0
60E
120E
180
120W
60W
-8e+06
-4e+06
0
4e+06
8e+06

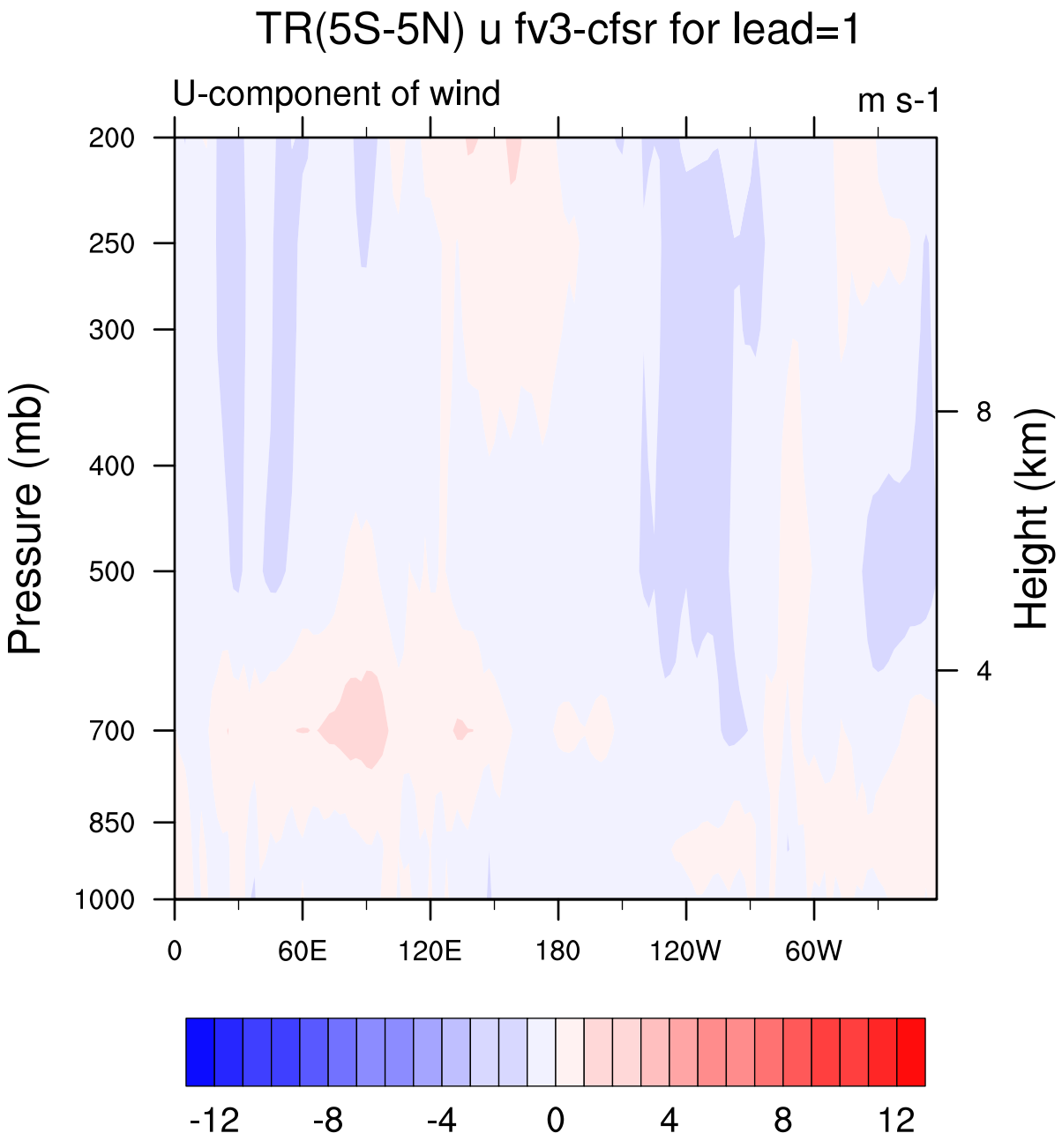

TR(5S-5N) vp fv3-cfsr for lead=1
Pressure (mb)
200
250
300
400
500
700
850
1000
Height (km)
8
4
0
60E
120E
180
120W
60W
-8e+06
-4e+06
0
4e+06
8e+06

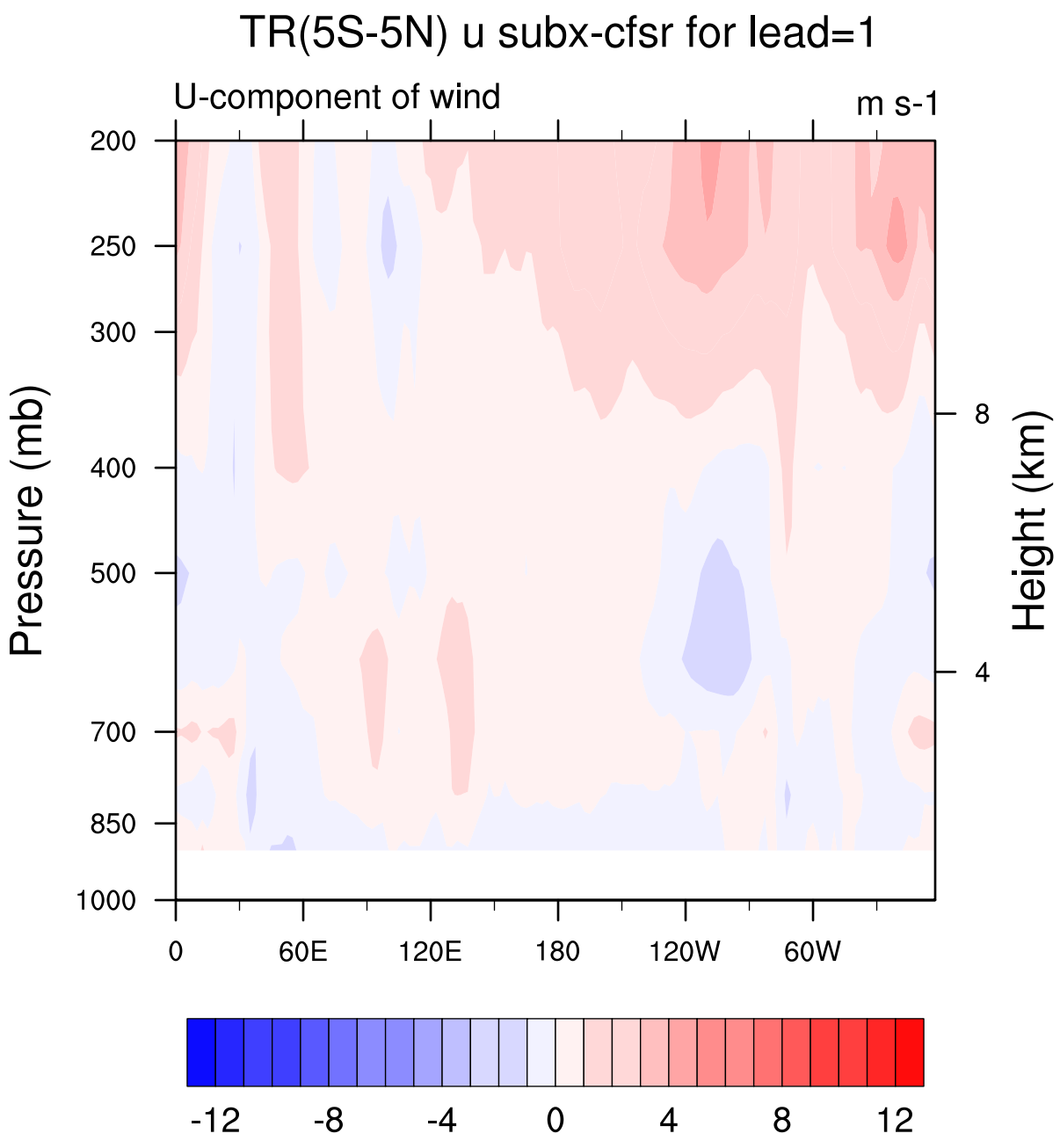

TR(5S-5N) vp subx-cfsr for lead=1
Pressure (mb)
200
250
300
400
500
700
850
1000
Height (km)
8
4
0
60E
120E
180
120W
60W
-8e+06
-4e+06
0
4e+06
8e+06


TR(5S-5N) u anl for lead=1
U-component of wind
m s-1
Pressure (mb)
200
250
300
400
500
700
850
1000
Height (km)
8
4
0
60E
120E
180
120W
60W
-20
-16
-12
-8
-4
0
4
8
12
16
20


TR(5S-5N) u fv3 for lead=1
U-component of wind
m s-1
Pressure (mb)
200
250
300
400
500
700
850
1000
Height (km)
8
4
0
60E
120E
180
120W
60W
-20
-16
-12
-8
-4
0
4
8
12
16
20


TR(5S-5N) u subx for lead=1
U-component of wind
m s-1
Pressure (mb)
200
250
300
400
500
700
850
1000
Height (km)
8
4
0
60E
120E
180
120W
60W
-20
-16
-12
-8
-4
0
4
8
12
16
20


TR(5S-5N) u fv3-cfsr for lead=1
U-component of wind
m s-1
Pressure (mb)
200
250
300
400
500
700
850
1000
Height (km)
8
4
0
60E
120E
180
120W
60W
-12
-8
-4
0
4
8
12


TR(5S-5N) u subx-cfsr for lead=1
U-component of wind
m s-1
Pressure (mb)
200
250
300
400
500
700
850
1000
Height (km)
8
4
0
60E
120E
180
120W
60W
-12
-8
-4
0
4
8
12