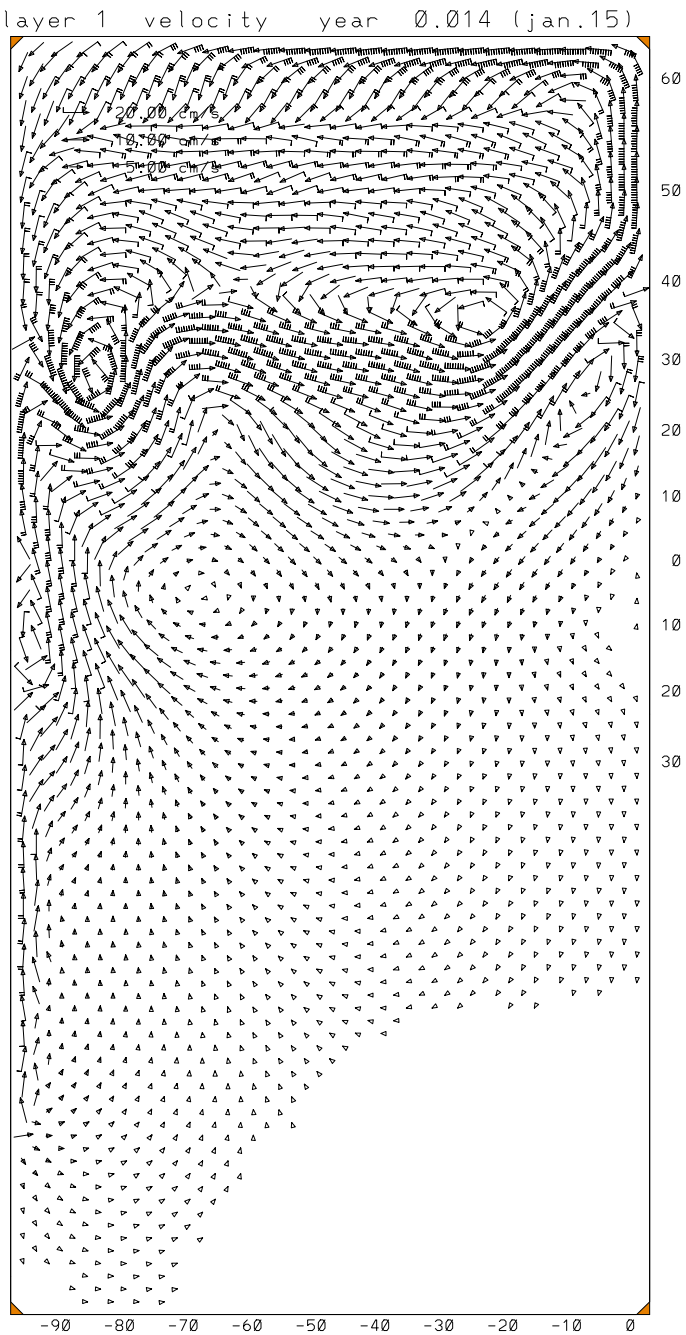
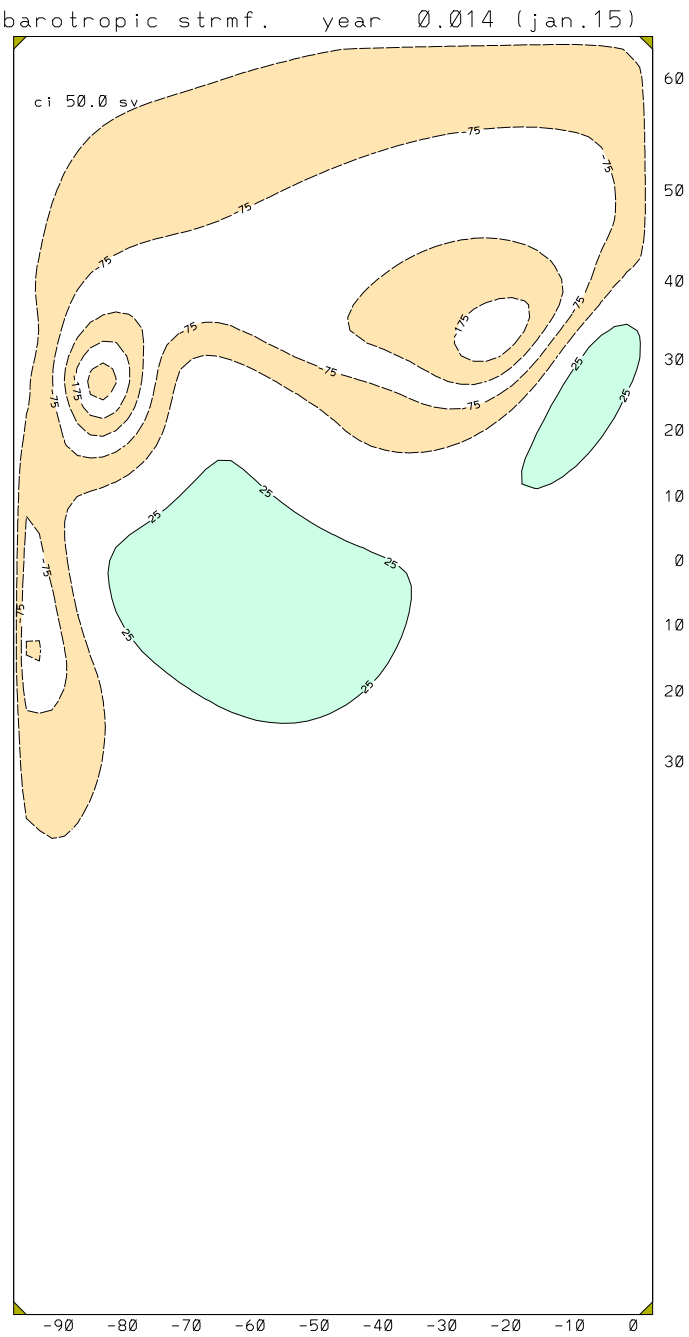
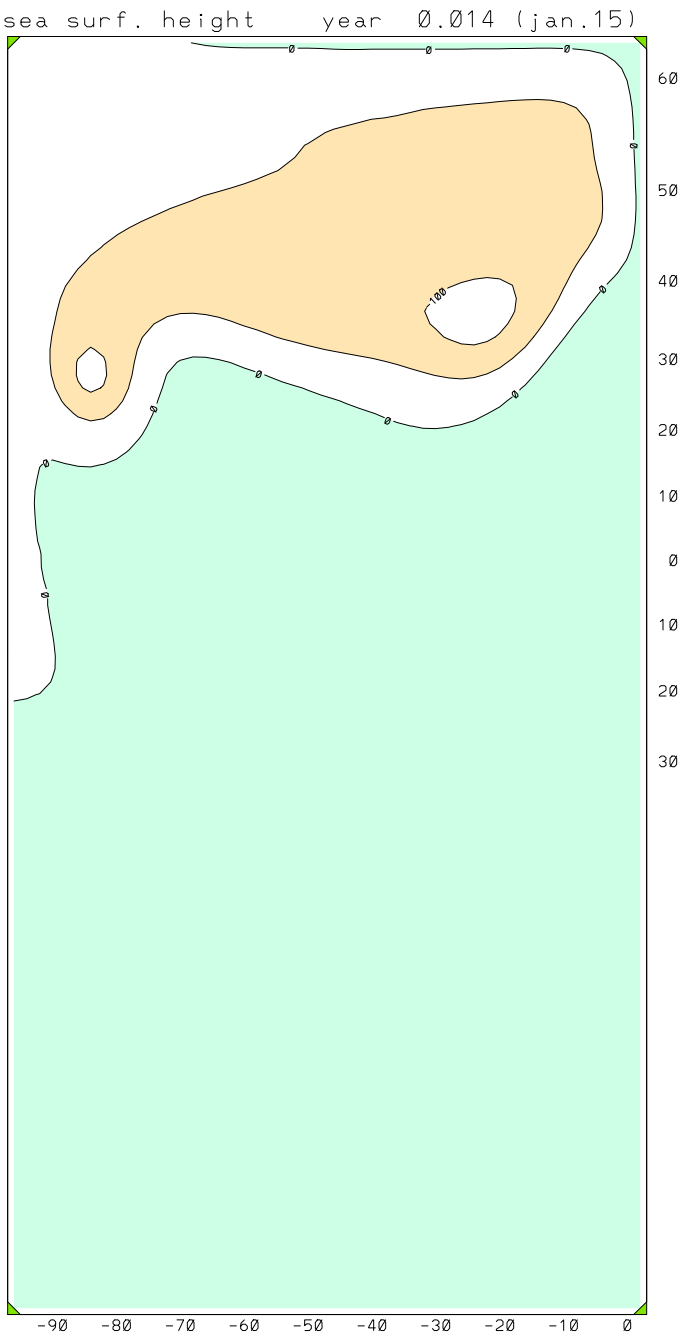
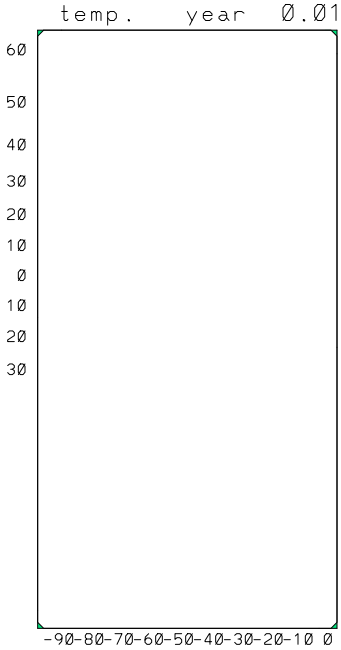

layer 1 velocity year 0.014 (jan.15)
20.00 cm/s
10.00 cm/s
5.00 cm/s
60
50
40
30
20
10
0
10
20
30
-90
-80
-70
-60
-50
-40
-30
-20
-10
0

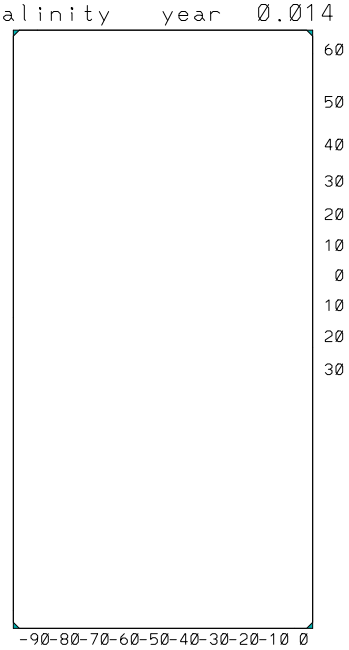

barotropic strmf. year 0.014 (jan.15)
ci 50.0 sv
-75
-175
-25
60
50
40
30
20
10
0
10
20
30
-90
-80
-70
-60
-50
-40
-30
-20
-10
0


sea surf. height year 0.014 (jan.15)
0
100
60
50
40
30
20
10
0
10
20
30
-90
-80
-70
-60
-50
-40
-30
-20
-10
0

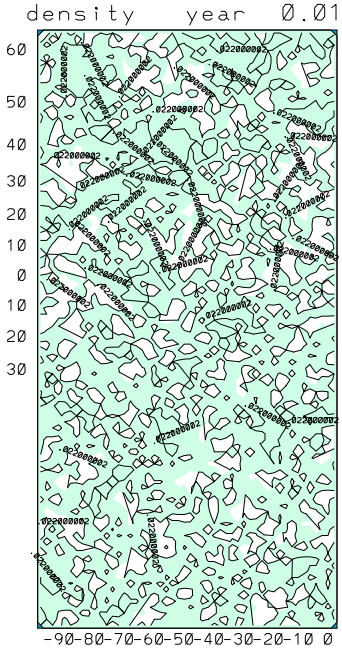
layer 1 temp. year 0.014 (jan.15)



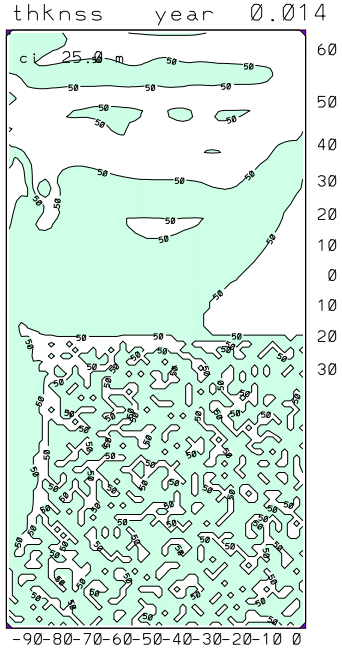
layer 1 salinity year 0.014 (jan.15)



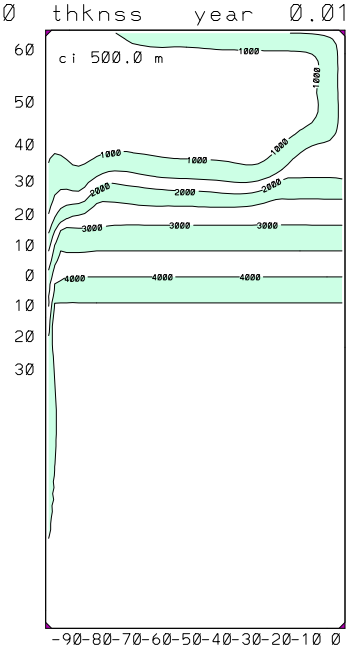
layer 1 density year 0.014 (jan.15)



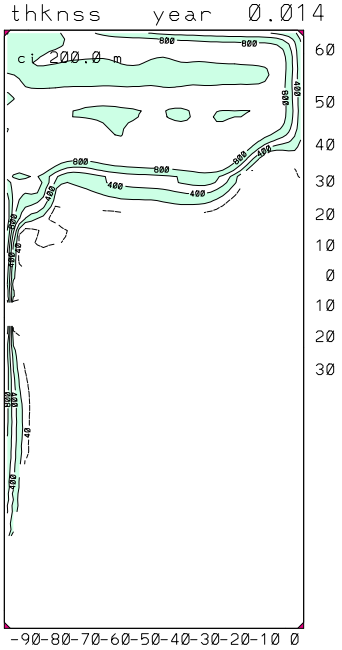
layer 1 thknss year 0.014 (jan.15)



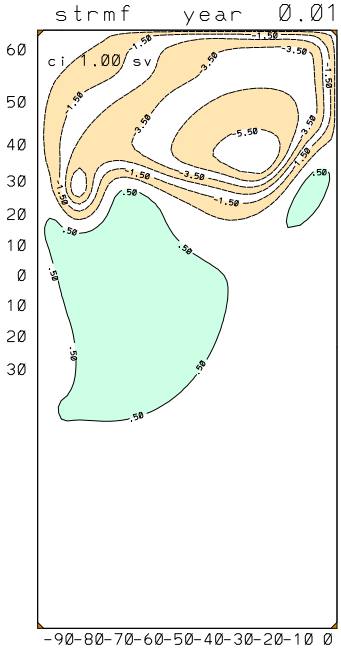
sig=23.50 thknss year 0.014 (jan.15)



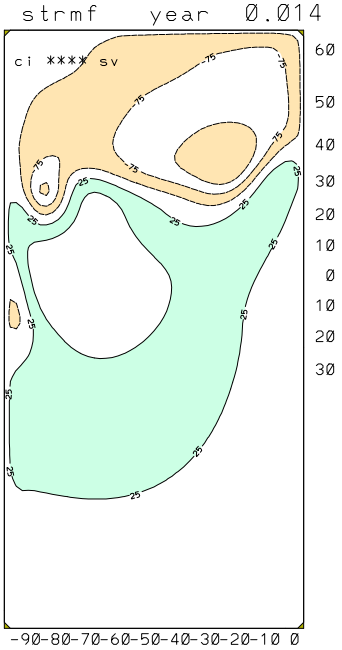
sig=25.00 thknss year 0.014 (jan.15)



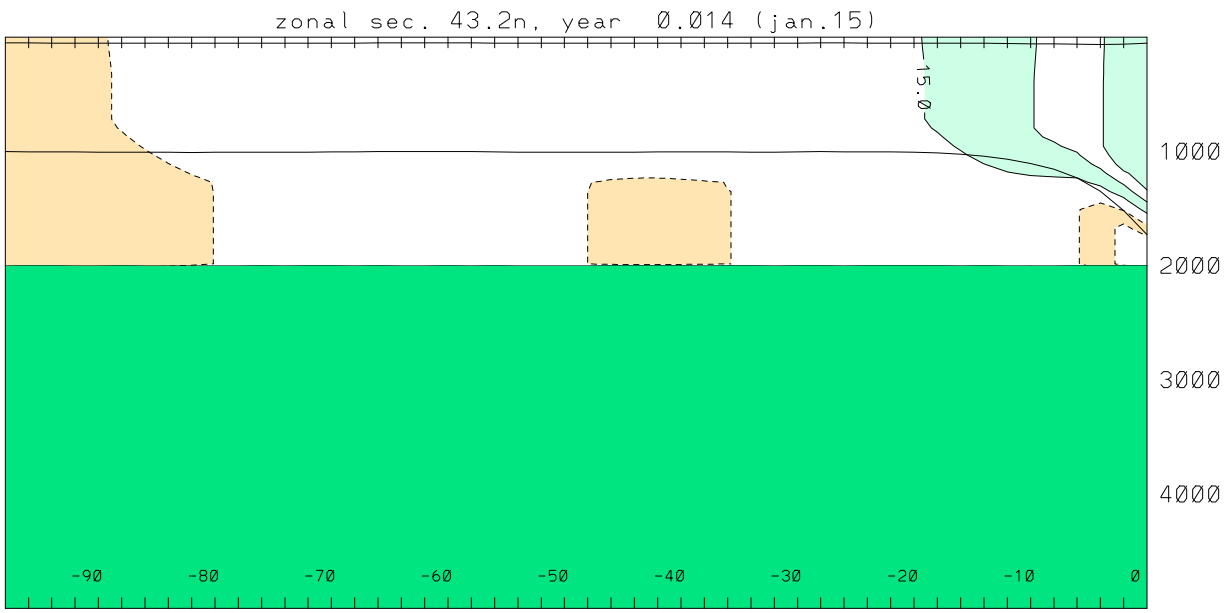
layer 1 strmf year 0.014 (jan.15)

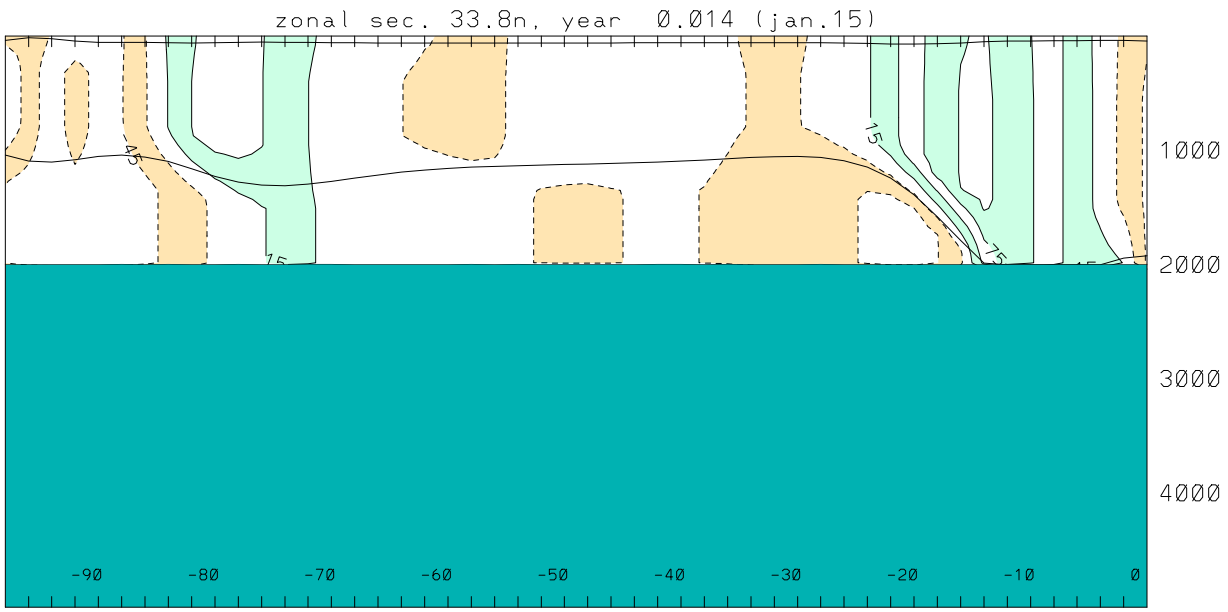


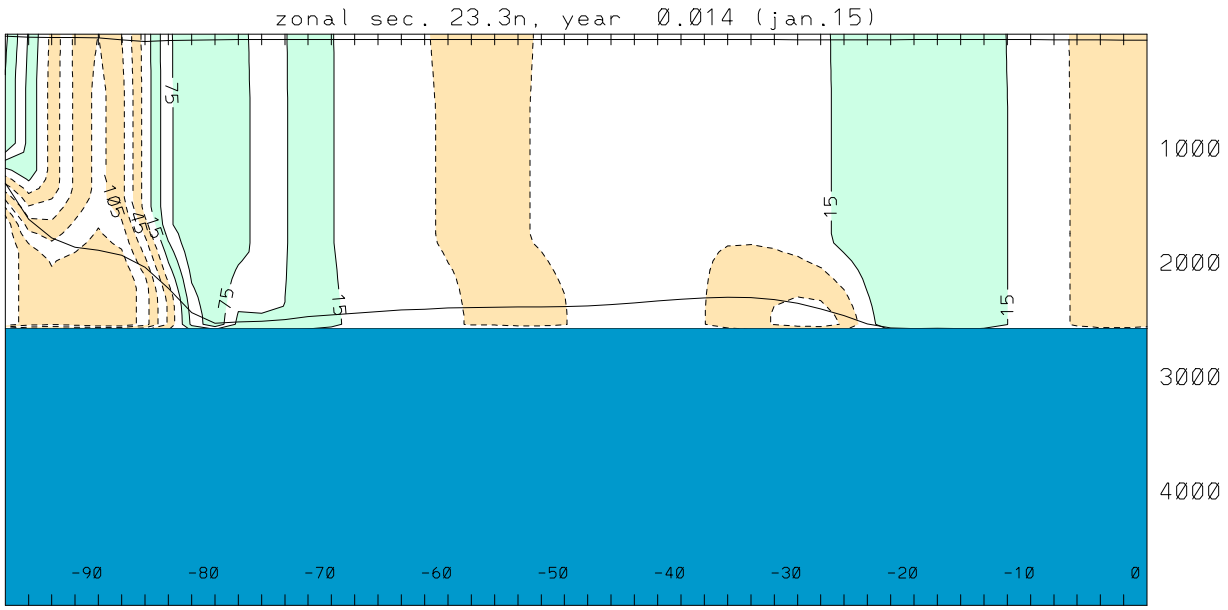
sig=23.50 strmf year 0.014 (jan.15)

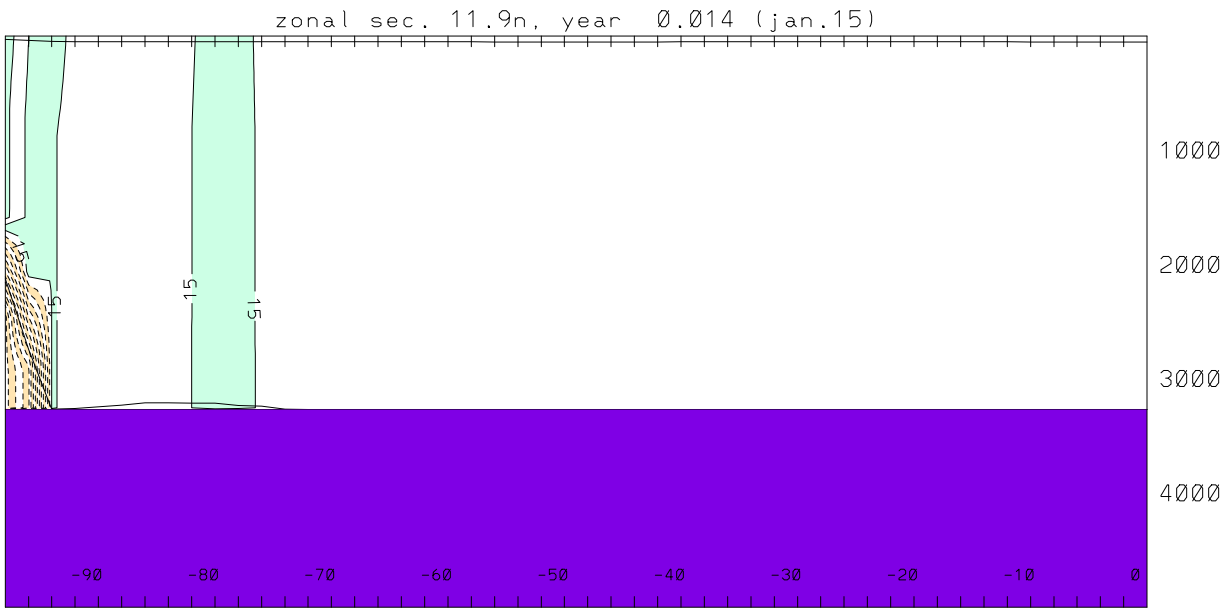


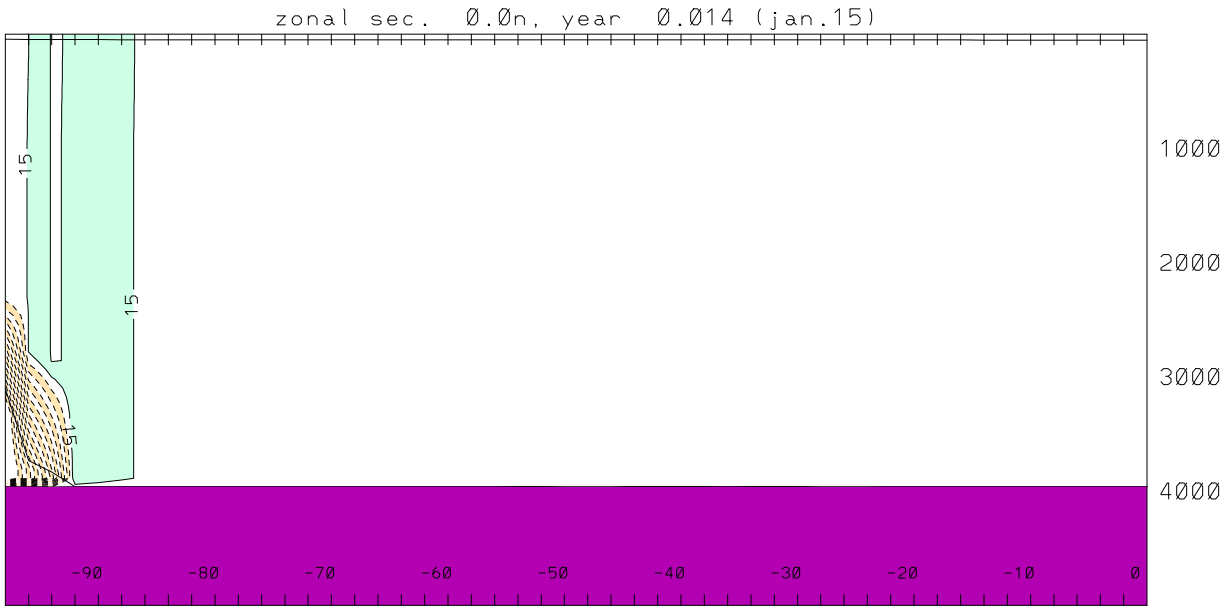
sig=25.00 strmf year 0.014 (jan.15)

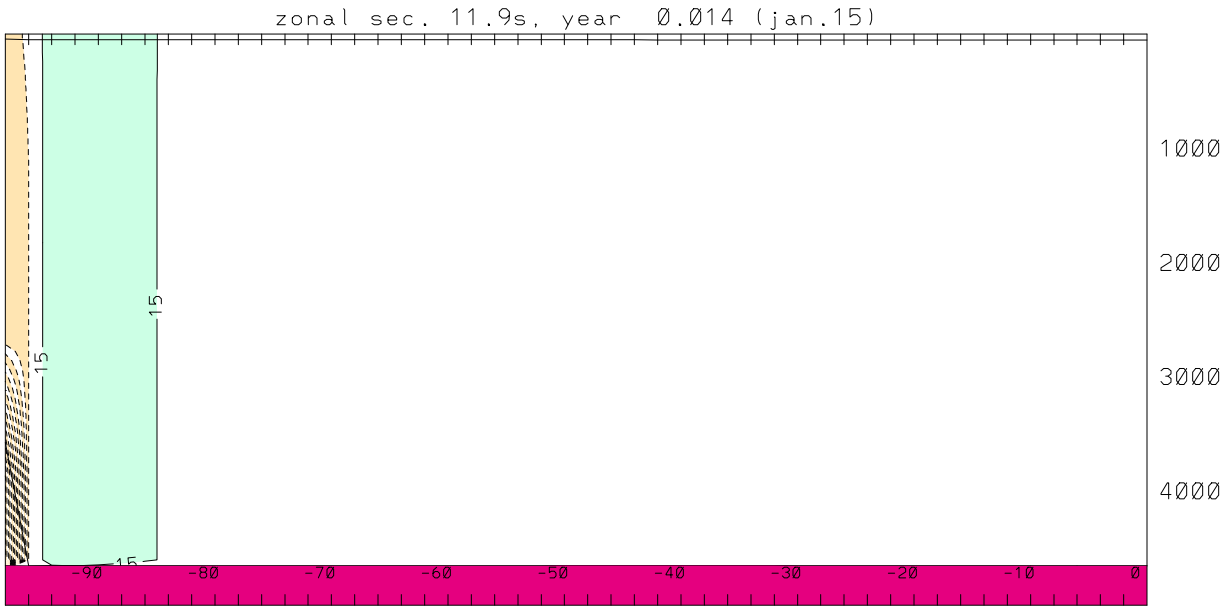

zonal sec. 43.2n, year 0.014 (jan.15)
15.0
1000
2000
3000
4000
-90
-80
-70
-60
-50
-40
-30
-20
-10
0

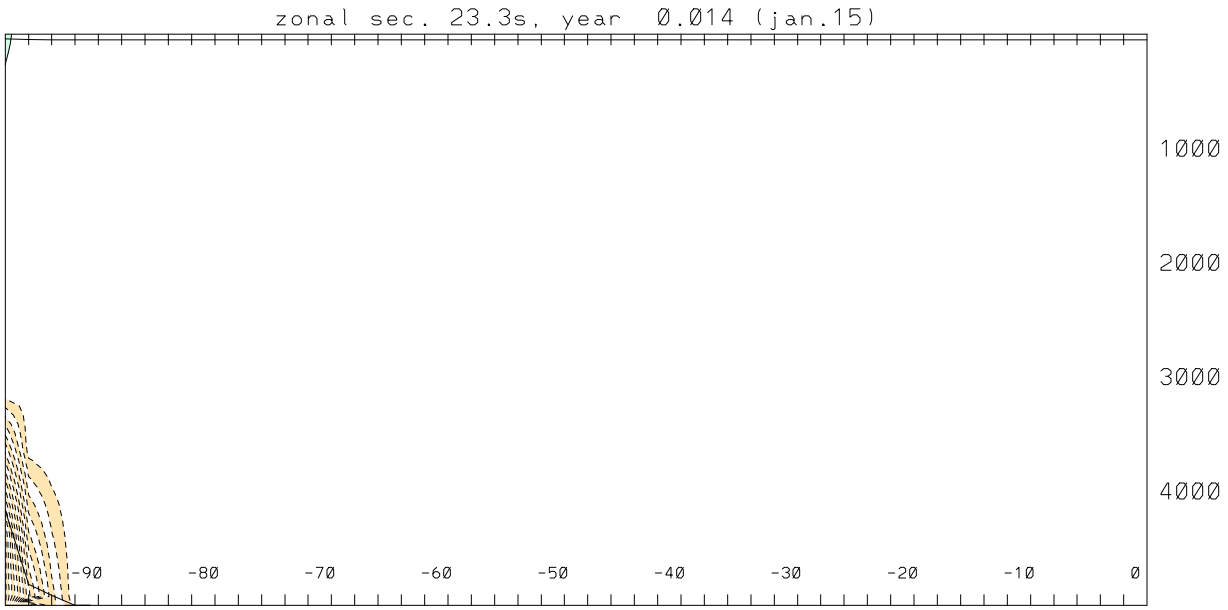

zonal sec. 33.8n, year 0.014 (jan.15)
45
15
15
15
1000
2000
3000
4000
-90
-80
-70
-60
-50
-40
-30
-20
-10
0

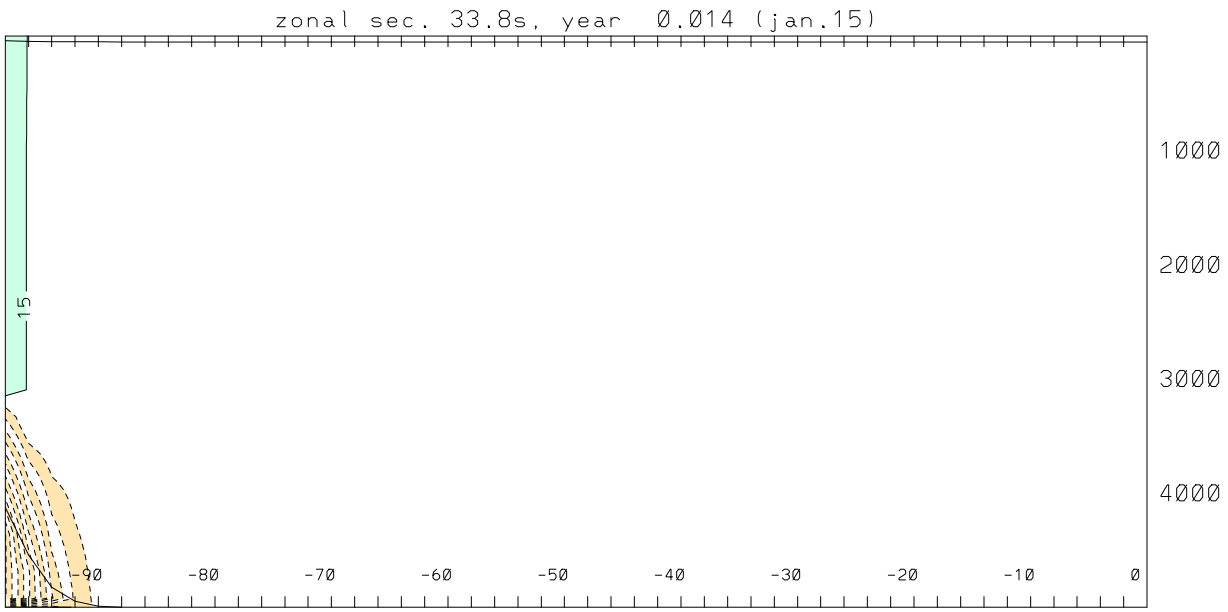

zonal sec. 23.3n, year 0.014 (jan.15)
75
75
15
15
15
15
15
1000
2000
3000
4000
-90
-80
-70
-60
-50
-40
-30
-20
-10
0

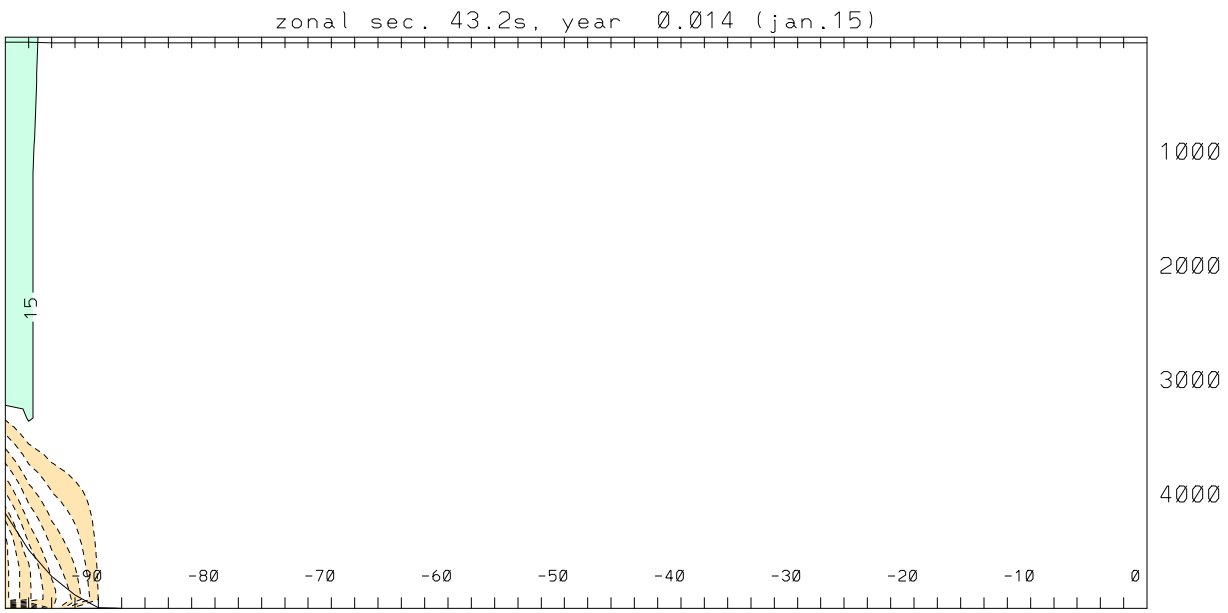

zonal sec. 11.9n, year 0.014 (jan.15)
15
15
15
15
1000
2000
3000
4000
-90
-80
-70
-60
-50
-40
-30
-20
-10
0

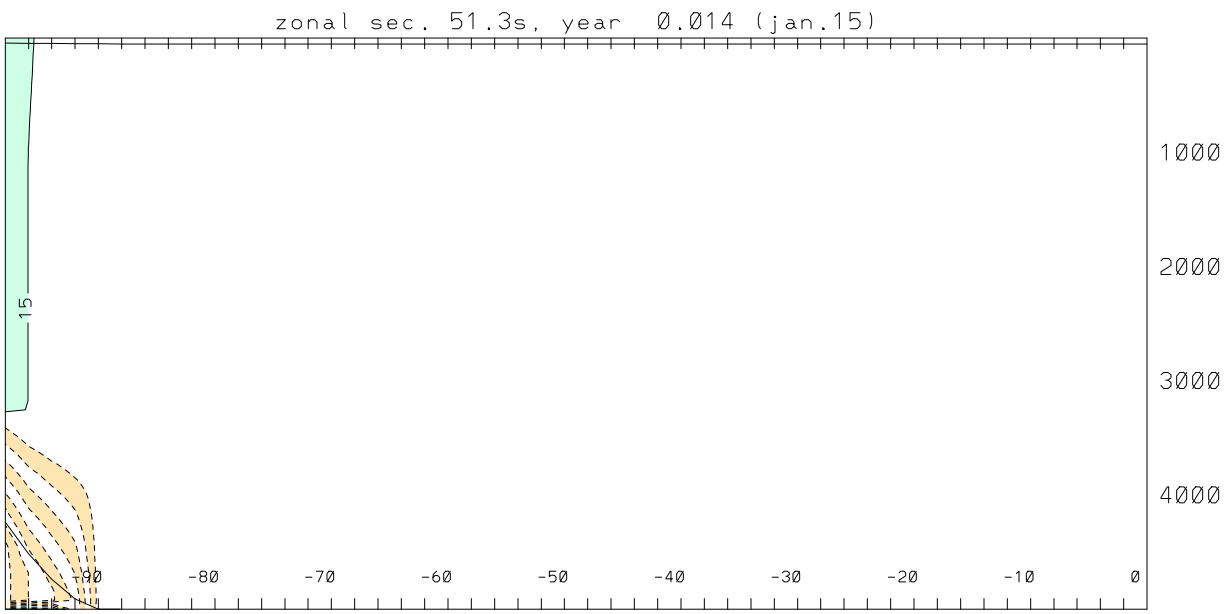

zonal sec. 0.0n, year 0.014 (jan.15)
15
15
15
1000
2000
3000
4000
-90
-80
-70
-60
-50
-40
-30
-20
-10
0

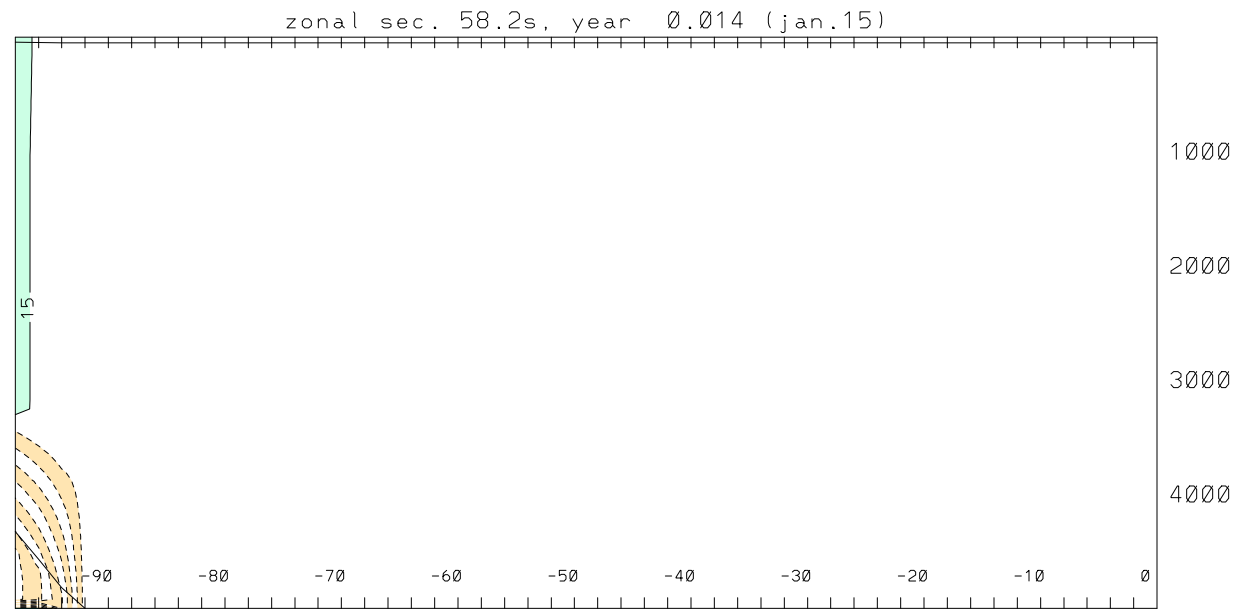

zonal sec. 11.9s, year 0.014 (jan.15)
15
15
15
1000
2000
3000
4000
-90
-80
-70
-60
-50
-40
-30
-20
-10
0

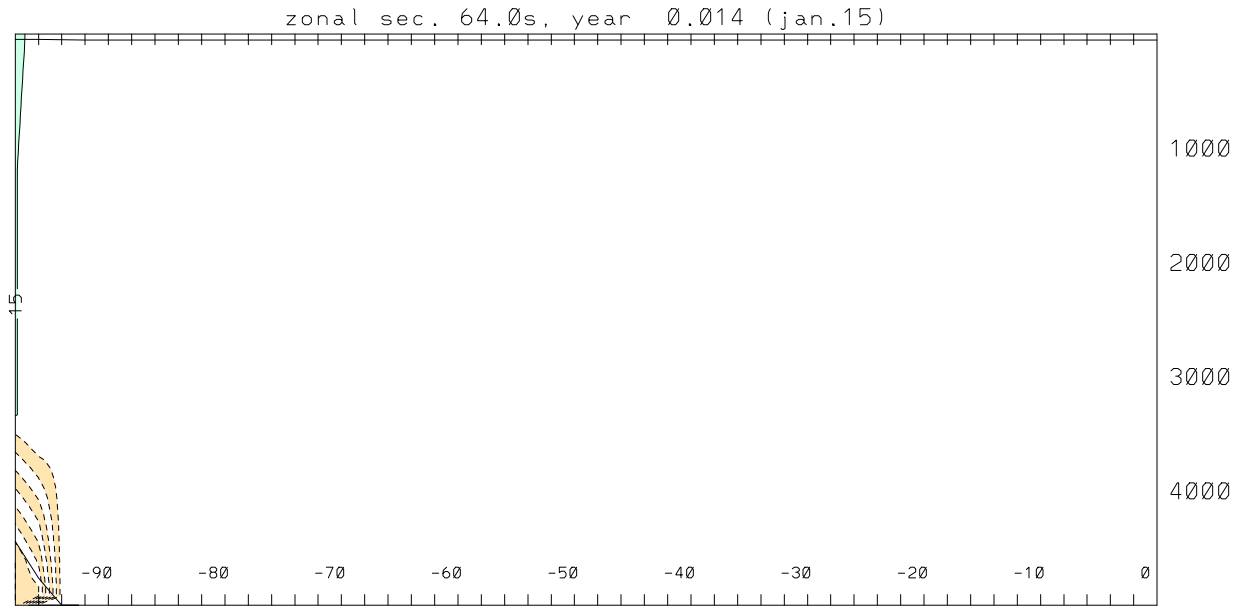

zonal sec. 23.3s, year 0.014 (jan.15)
1000
2000
3000
4000
-90
-80
-70
-60
-50
-40
-30
-20
-10
0

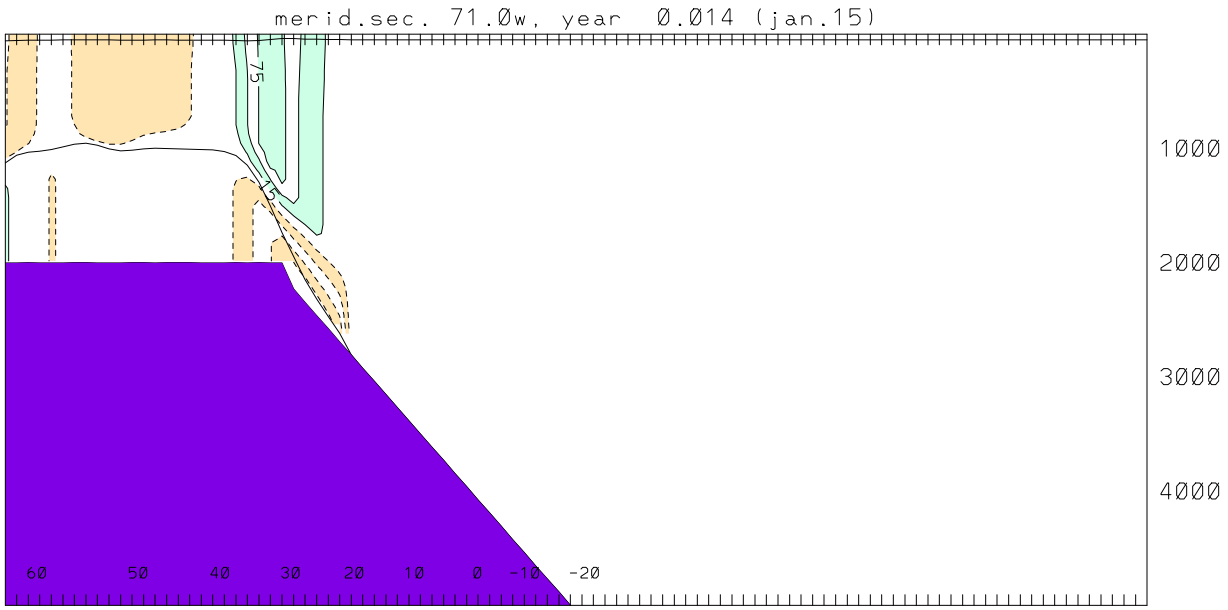

zonal sec. 33.8s, year 0.014 (jan.15)
15
1000
2000
3000
4000
-90
-80
-70
-60
-50
-40
-30
-20
-10
0

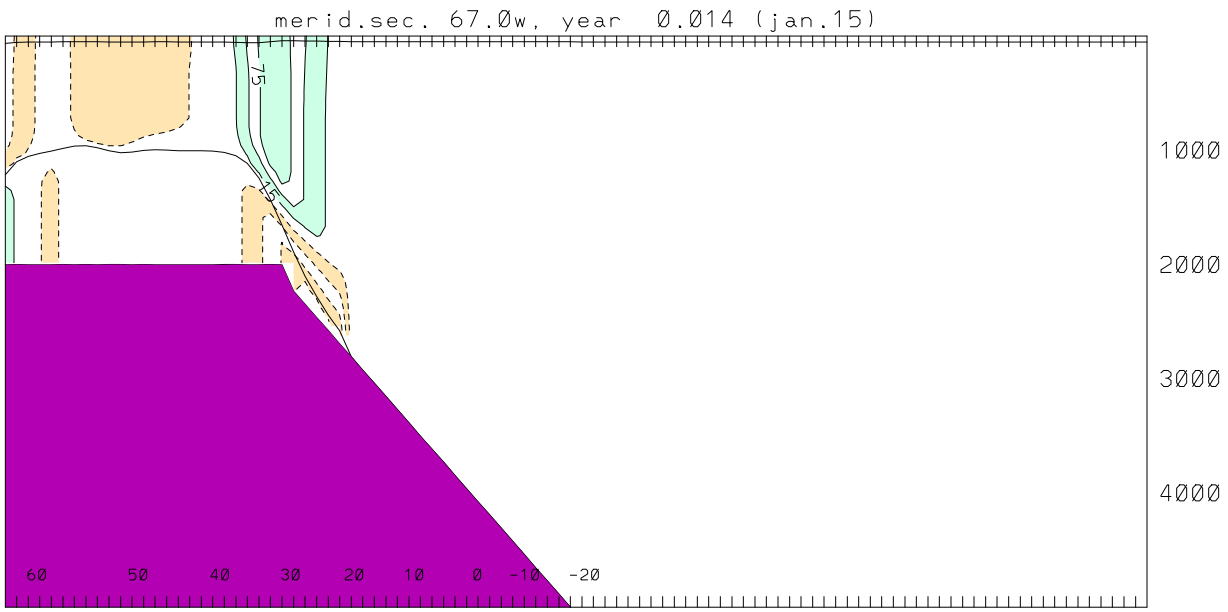

zonal sec. 43.2s, year 0.014 (jan.15)
15
1000
2000
3000
4000
-90
-80
-70
-60
-50
-40
-30
-20
-10
0

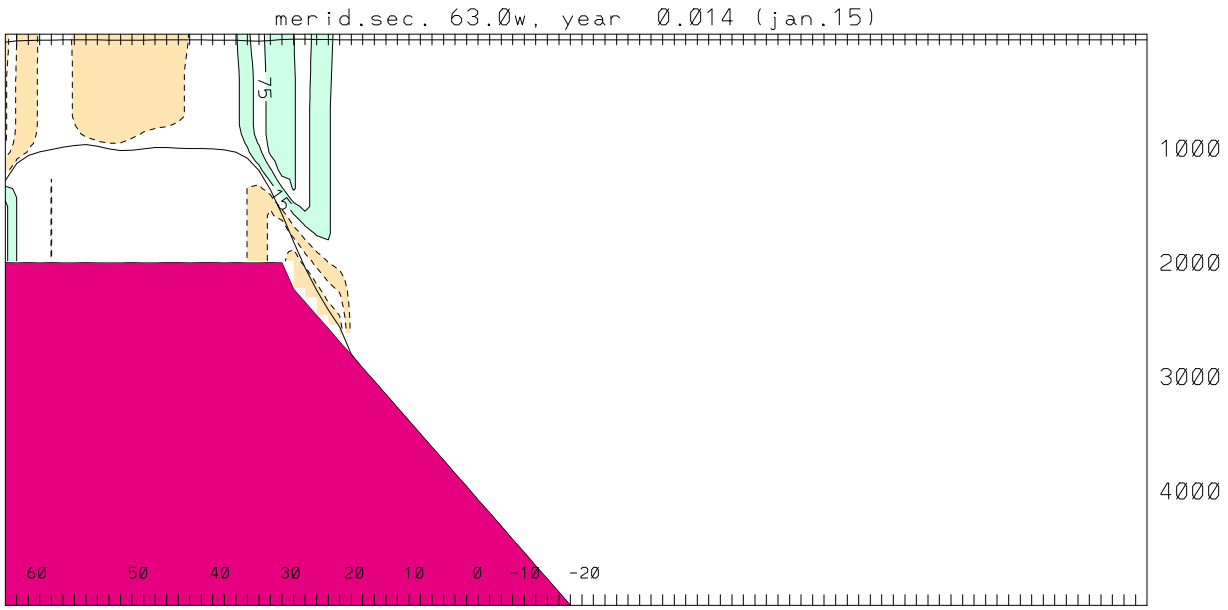

zonal sec. 51.3s, year 0.014 (jan.15)
15
1000
2000
3000
4000
-90
-80
-70
-60
-50
-40
-30
-20
-10
0

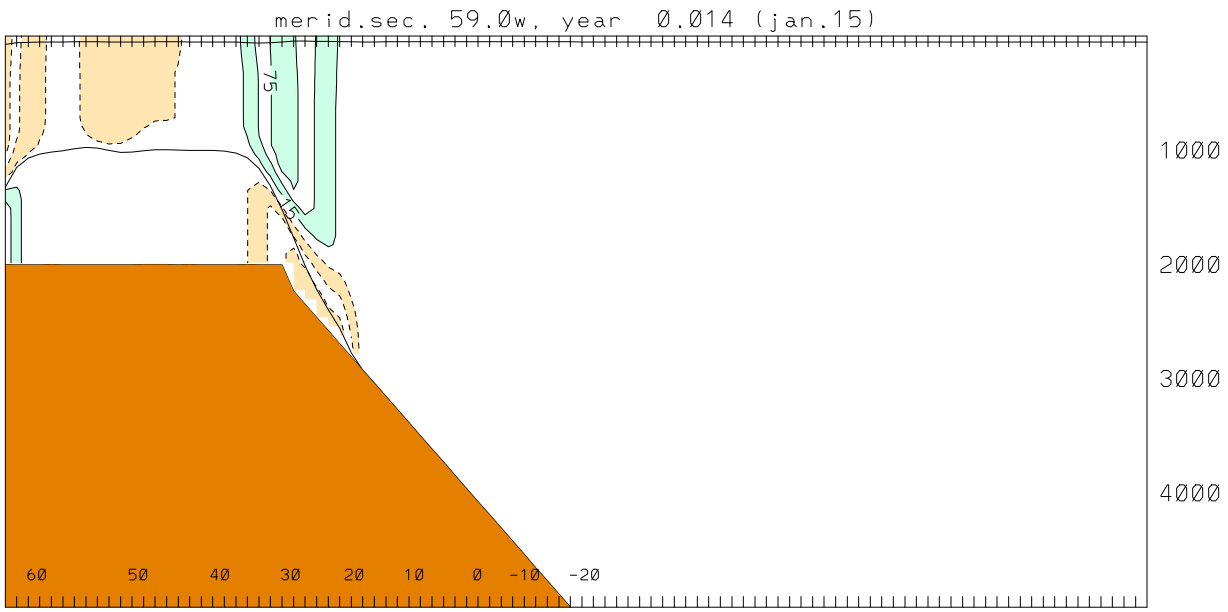

zonal sec. 58.2s, year 0.014 (jan.15)
15
1000
2000
3000
4000
-90
-80
-70
-60
-50
-40
-30
-20
-10
0

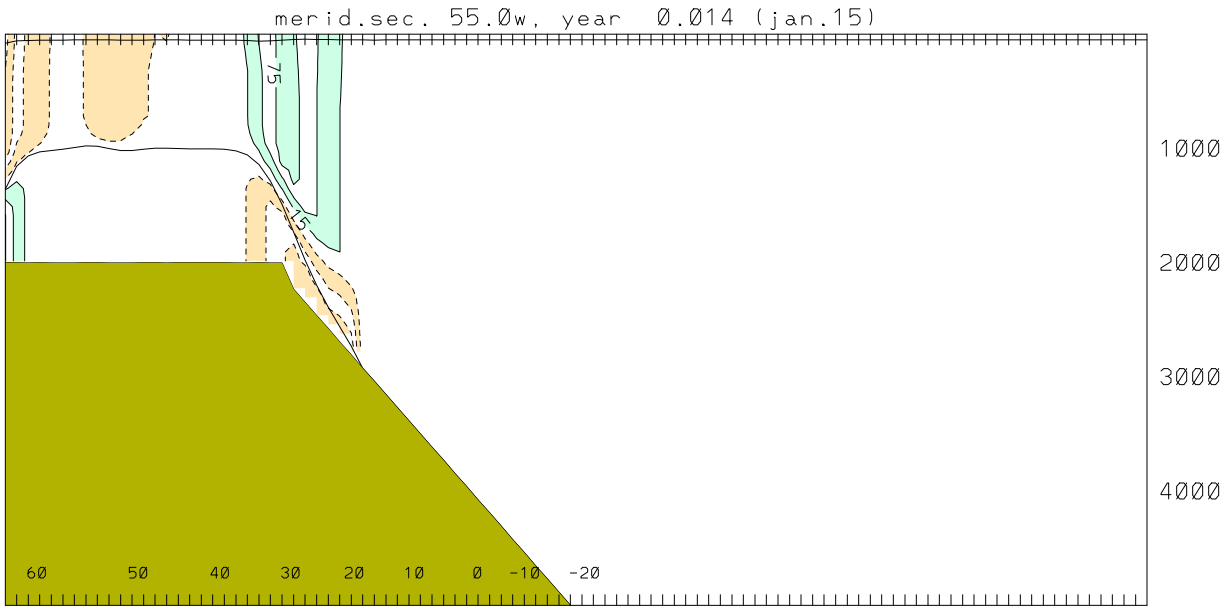

zonal sec. 64.0s, year 0.014 (jan.15)
15
1000
2000
3000
4000
-90
-80
-70
-60
-50
-40
-30
-20
-10
0

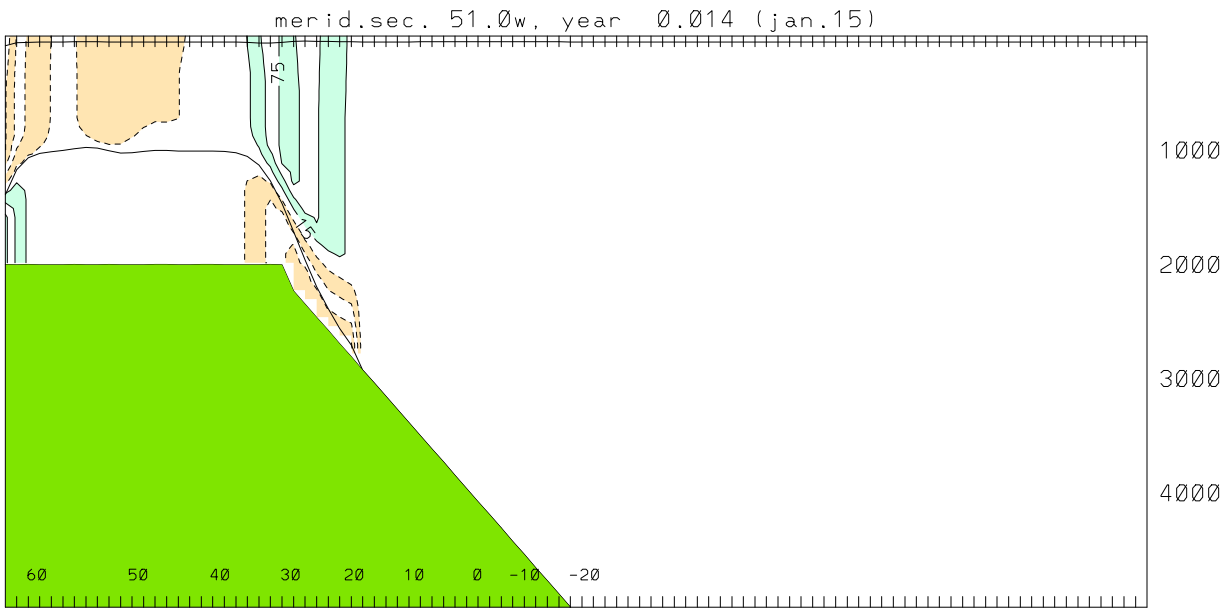

merid.sec. 71.0w, year 0.014 (jan.15)
75
75
1000
2000
3000
4000
60
50
40
30
20
10
0
-10
-20

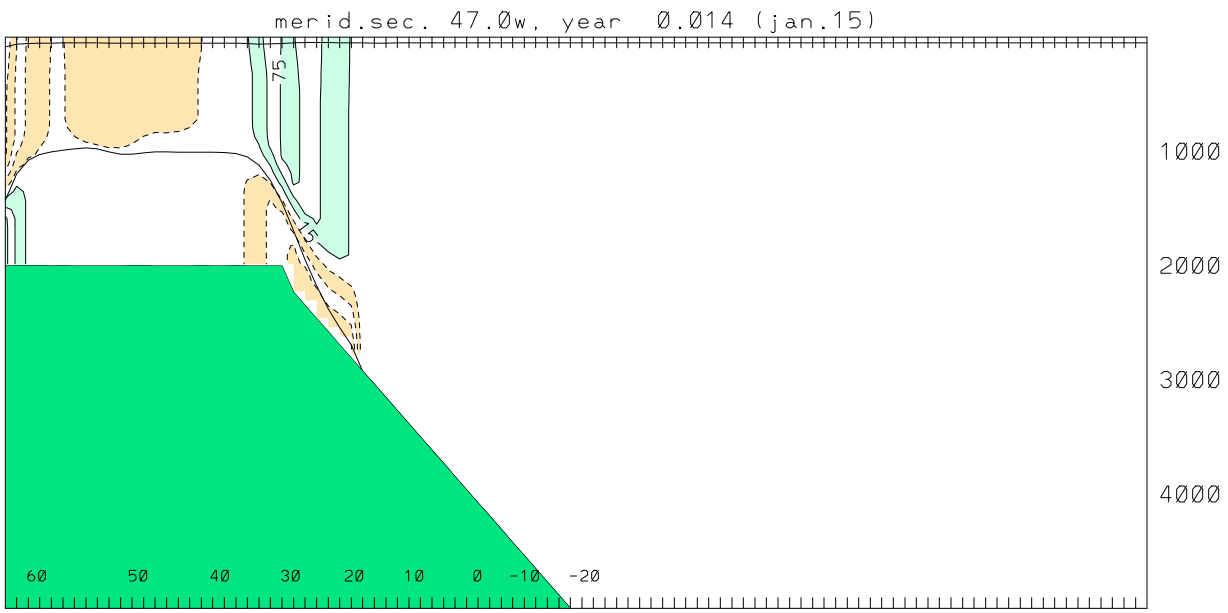

merid.sec. 67.0w, year 0.014 (jan.15)
75
75
1000
2000
3000
4000
60
50
40
30
20
10
0
-10
-20

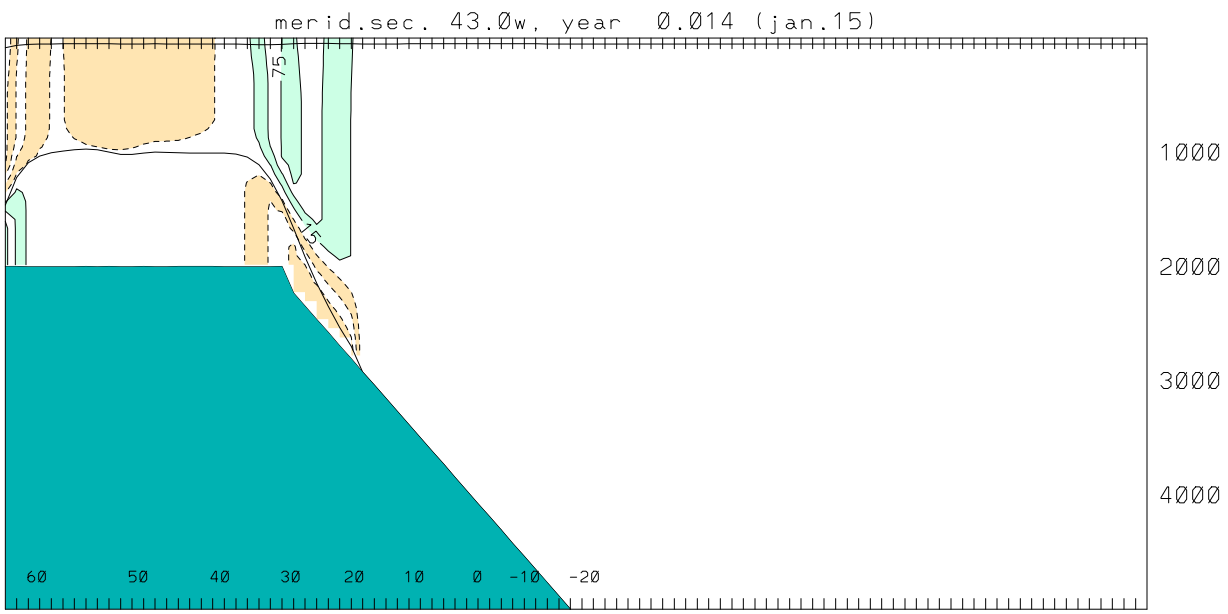

merid.sec. 63.0w, year 0.014 (jan.15)
75
75
1000
2000
3000
4000
60
50
40
30
20
10
0
-10
-20

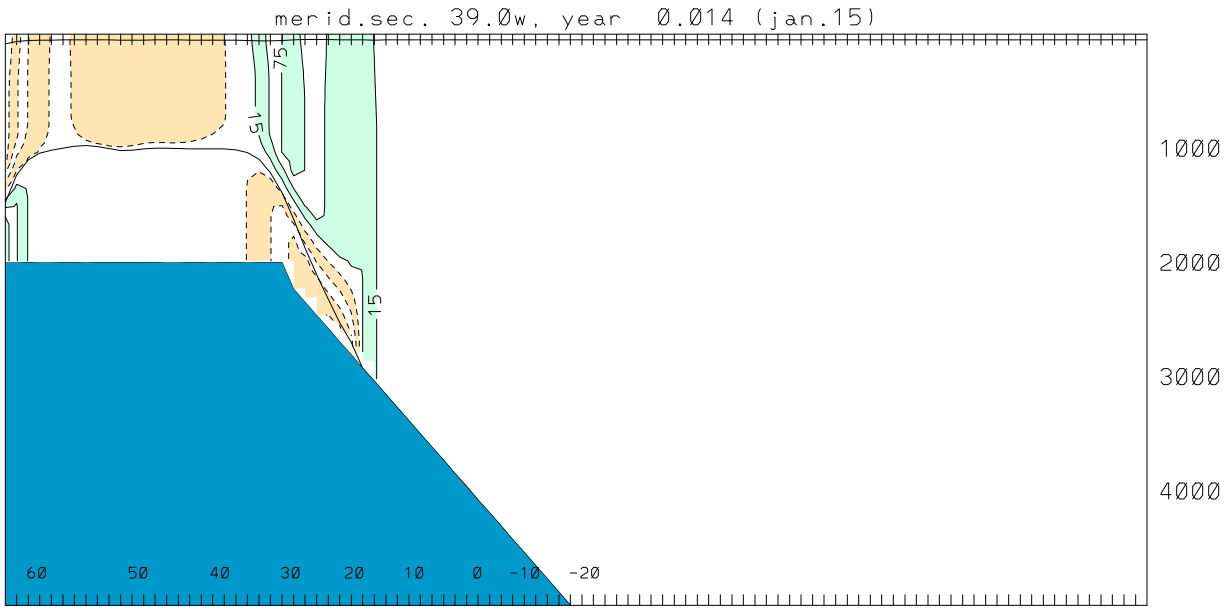

merid.sec. 59.0w, year 0.014 (jan.15)
75
75
1000
2000
3000
4000
60
50
40
30
20
10
0
-10
-20

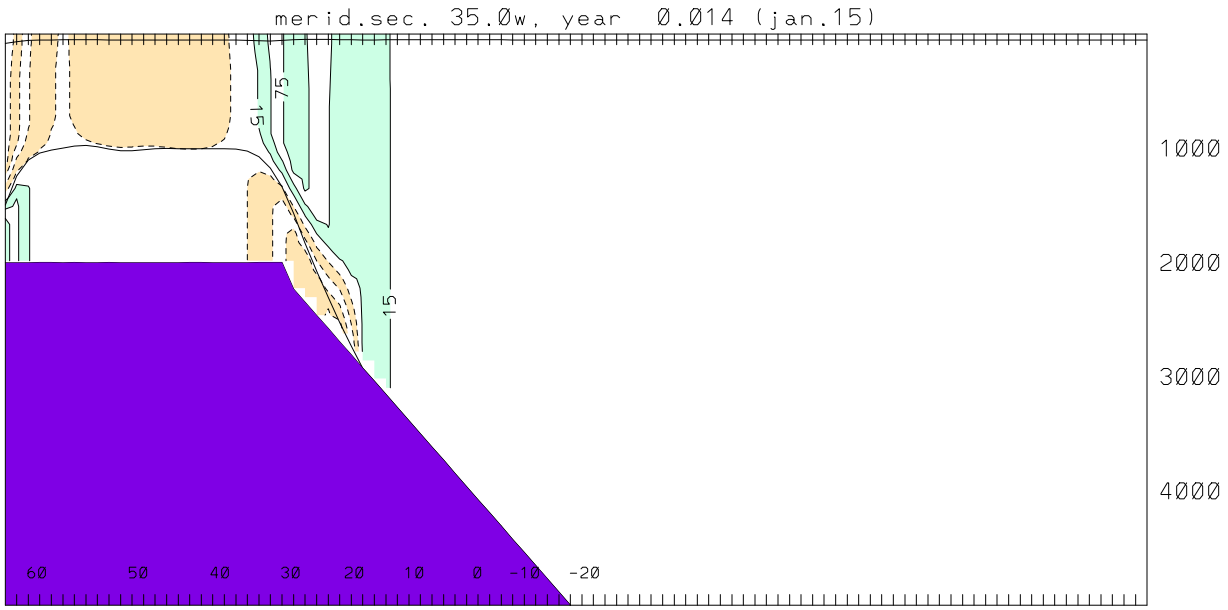

merid.sec. 55.0w, year 0.014 (jan.15)
75
15
1000
2000
3000
4000
60
50
40
30
20
10
0
-10
-20

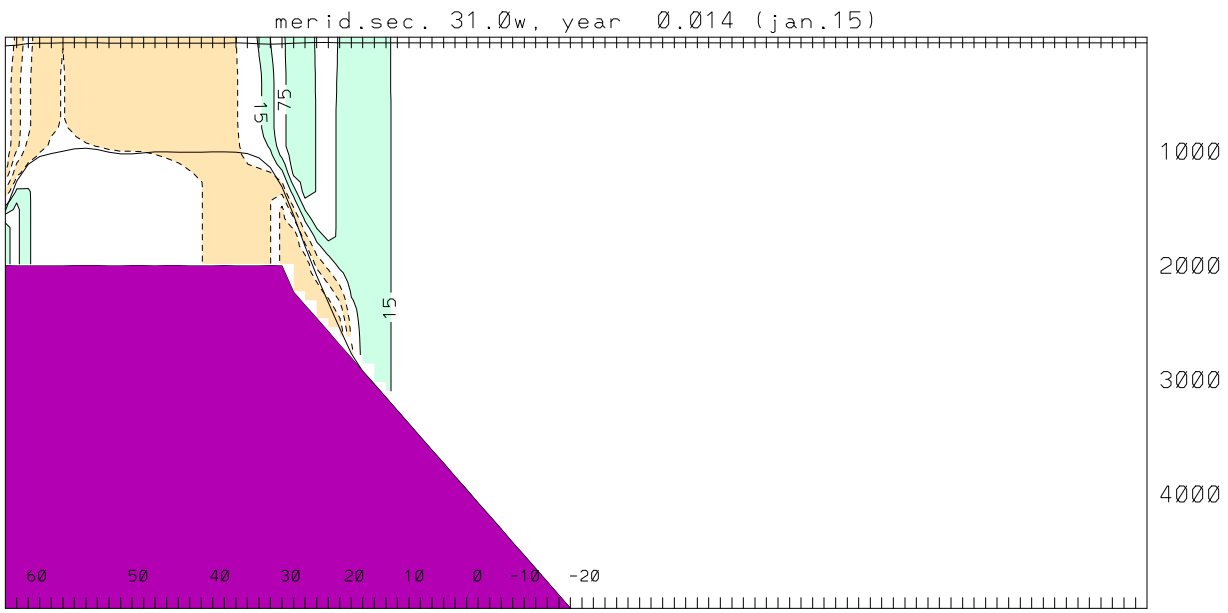

merid.sec. 51.0w, year 0.014 (jan.15)
75
15
1000
2000
3000
4000
60
50
40
30
20
10
0
-10
-20

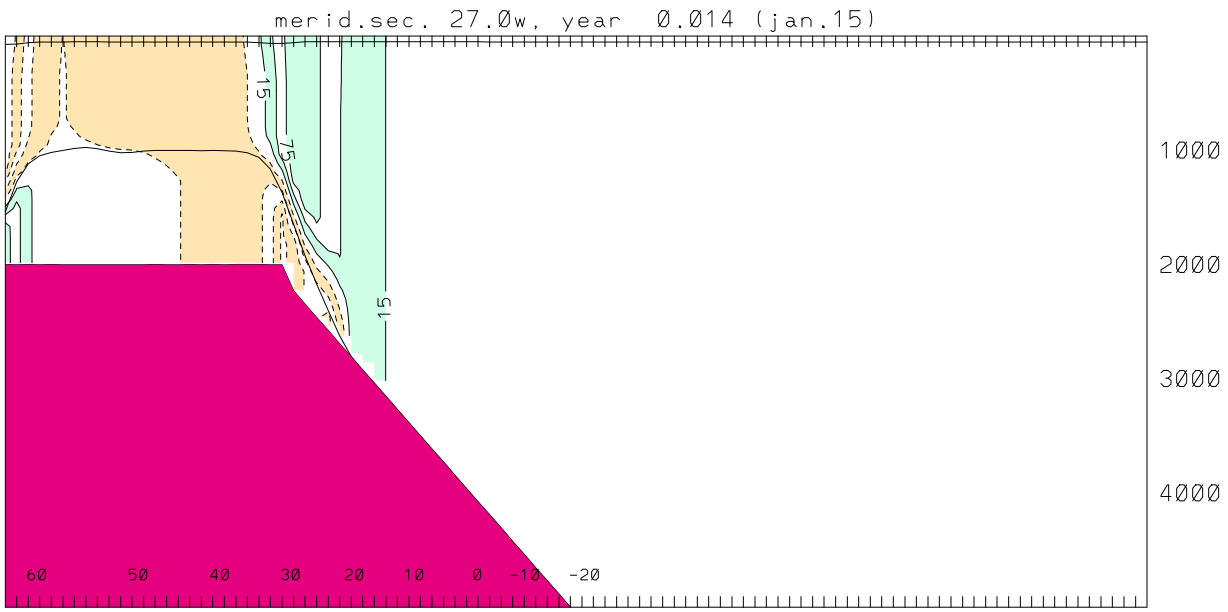

merid.sec. 47.0w, year 0.014 (jan.15)
75
15
1000
2000
3000
4000
60
50
40
30
20
10
0
-10
-20

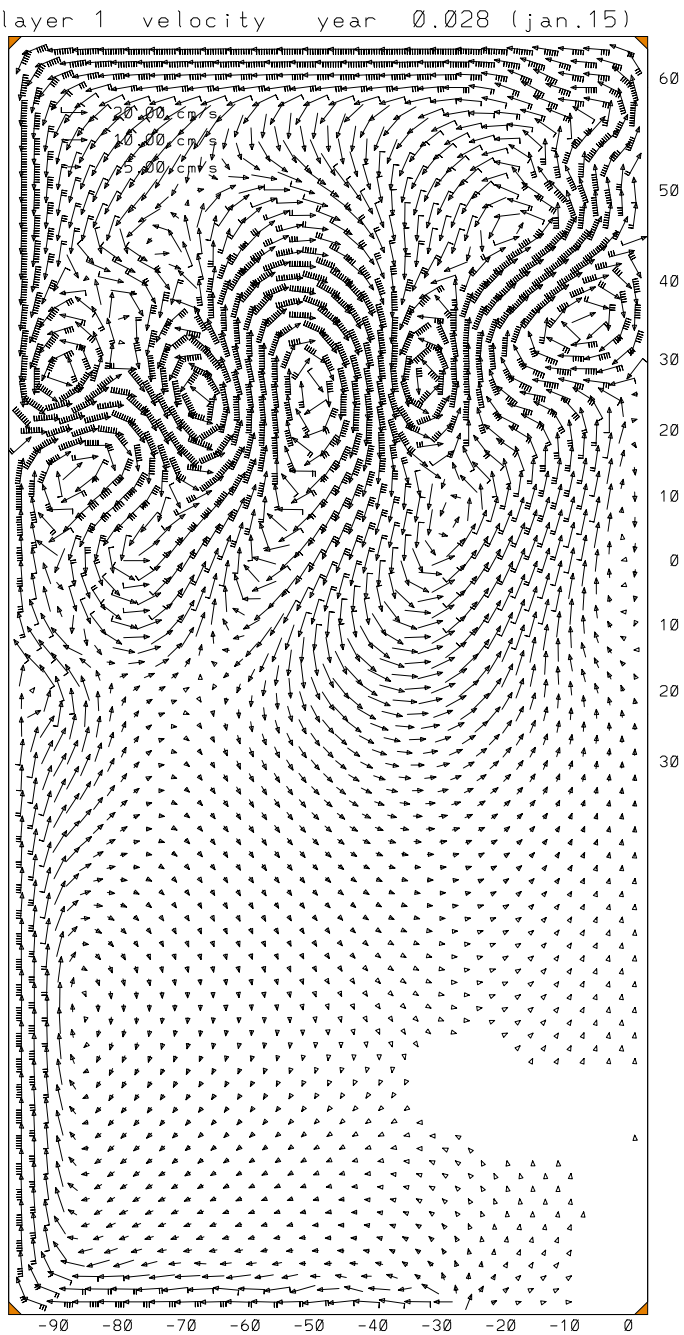

merid.sec. 43.0w, year 0.014 (jan.15)
75
15
1000
2000
3000
4000
60
50
40
30
20
10
0
-10
-20

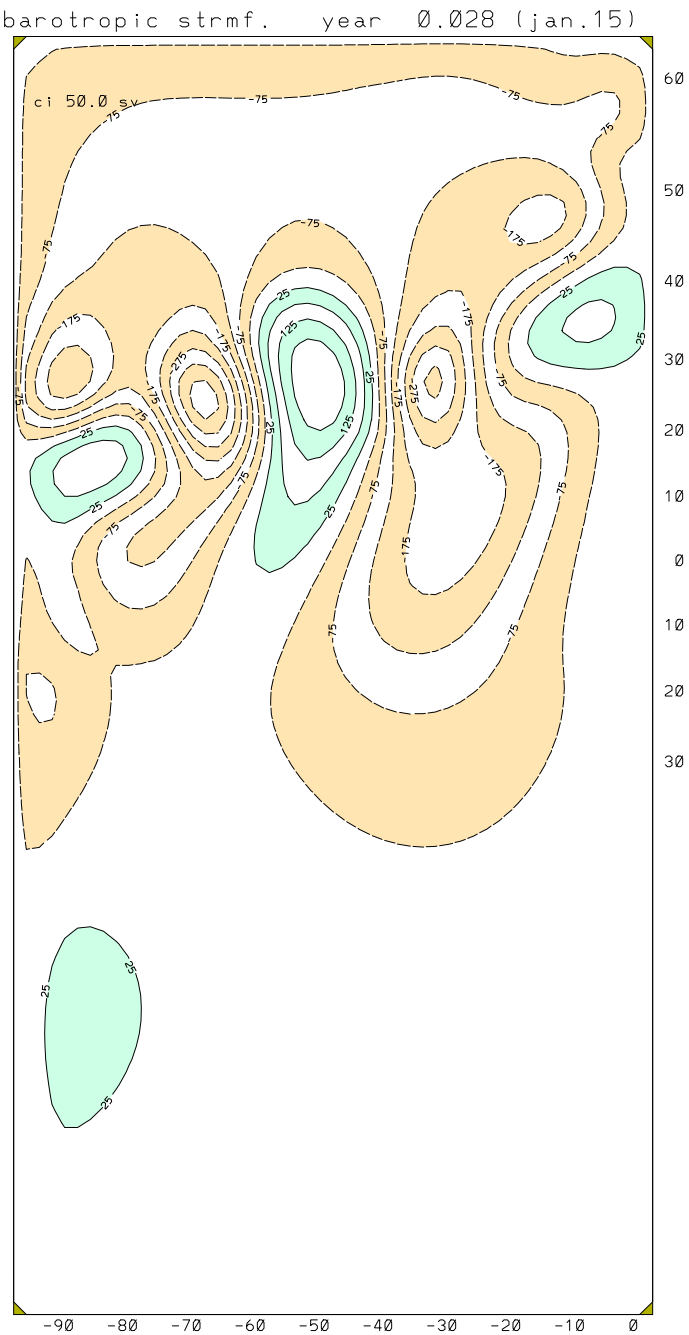

merid.sec. 39.0w, year 0.014 (jan.15)
75
15
15
1000
2000
3000
4000
60
50
40
30
20
10
0
-10
-20

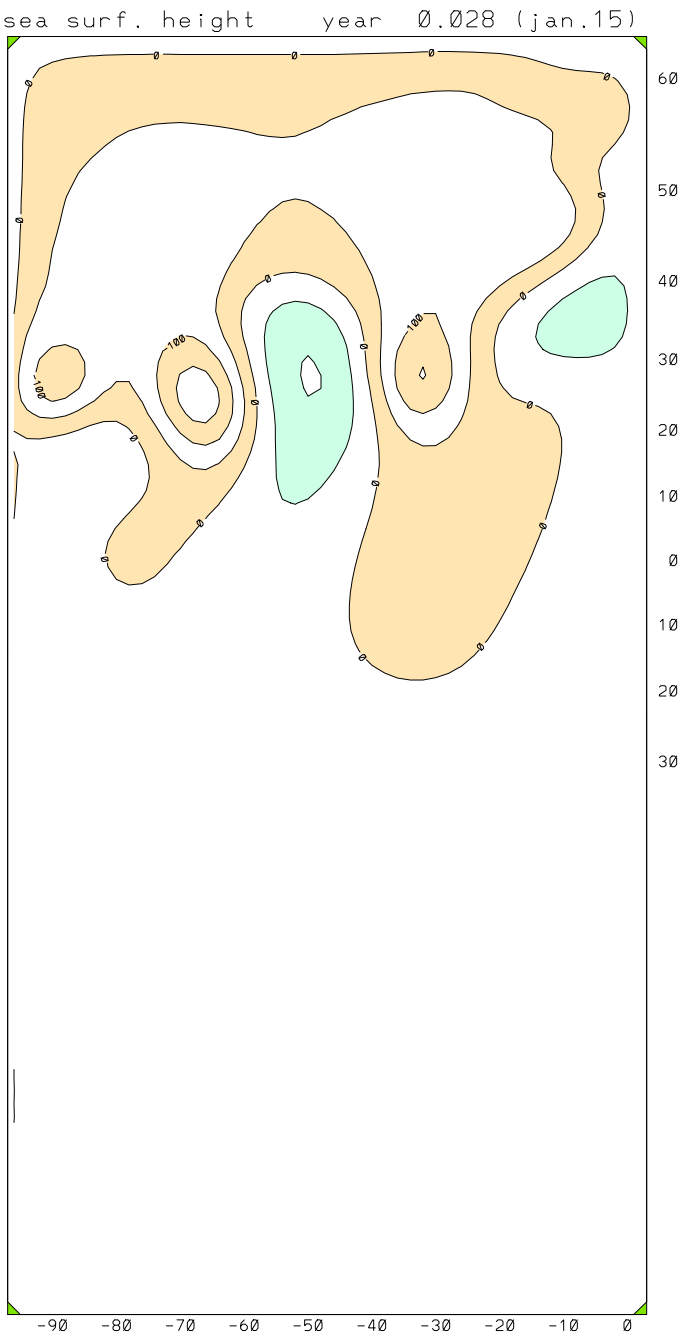

merid.sec. 35.0w, year 0.014 (jan.15)
75
15
15
1000
2000
3000
4000
60
50
40
30
20
10
0
-10
-20


merid.sec. 31.0w, year 0.014 (jan.15)
15
75
15
1000
2000
3000
4000
60
50
40
30
20
10
0
-10
-20

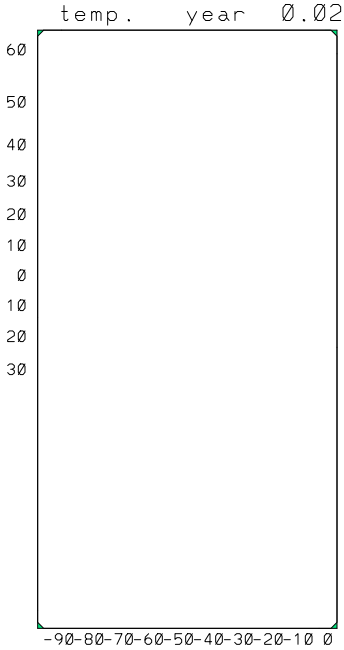

merid.sec. 27.0w, year 0.014 (jan.15)
15
75
15
1000
2000
3000
4000
60
50
40
30
20
10
0
-10
-20


layer 1 velocity year 0.028 (jan.15)
20.00 cm/s
10.00 cm/s
5.000 cm/s
60
50
40
30
20
10
0
10
20
30
-90
-80
-70
-60
-50
-40
-30
-20
-10
0

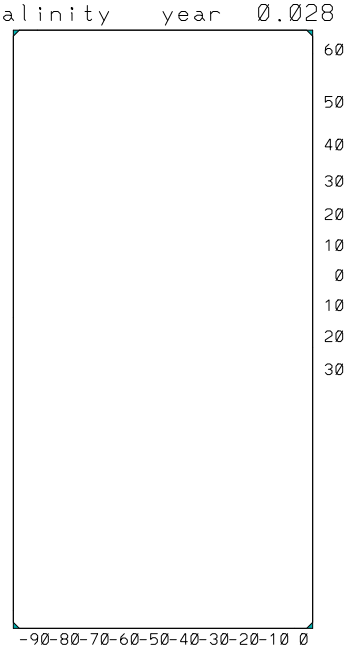

barotropic strmf. year 0.028 (jan.15)
ci 50.0 sv
60
50
40
30
20
10
0
10
20
30
-90
-80
-70
-60
-50
-40
-30
-20
-10
0


sea surf. height year 0.028 (jan.15)
60
50
40
30
20
10
0
10
20
30
-90
-80
-70
-60
-50
-40
-30
-20
-10
0
100
-100

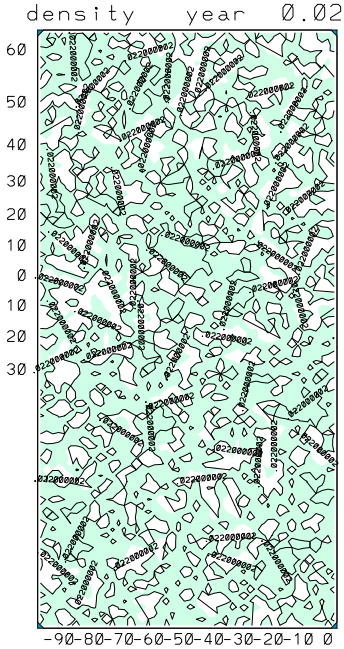
layer 1 temp. year 0.028 (jan.15)



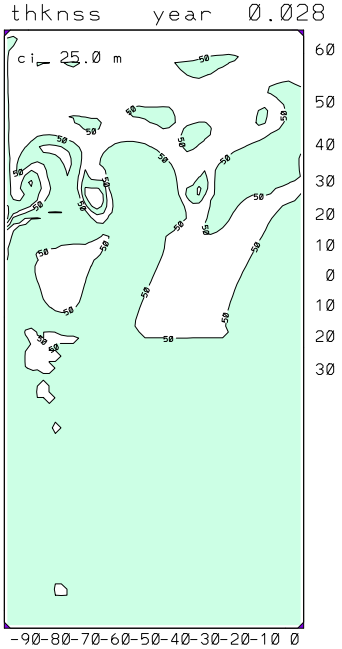
layer 1 salinity year 0.028 (jan.15)



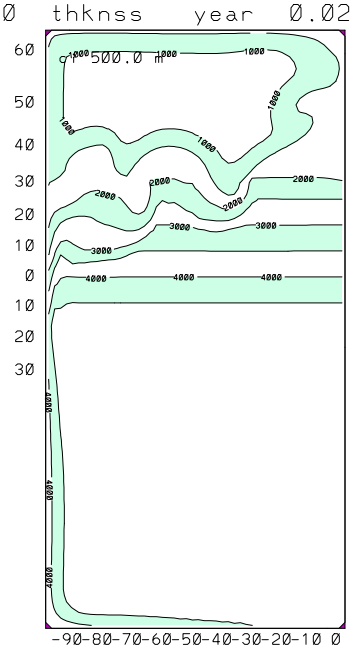
layer 1 density year 0.028 (jan.15)



layer 1 thknss year 0.028 (jan.15)

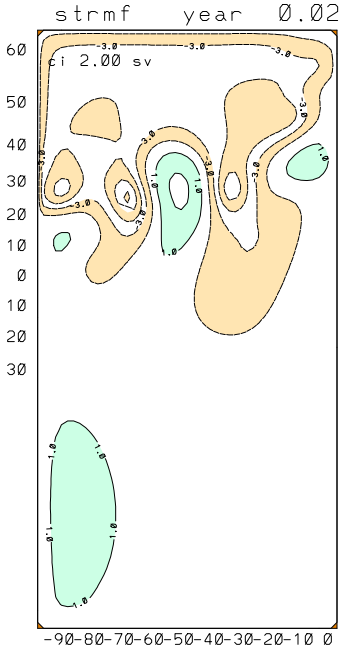


sig=23.50 thknss year 0.028 (jan.15)

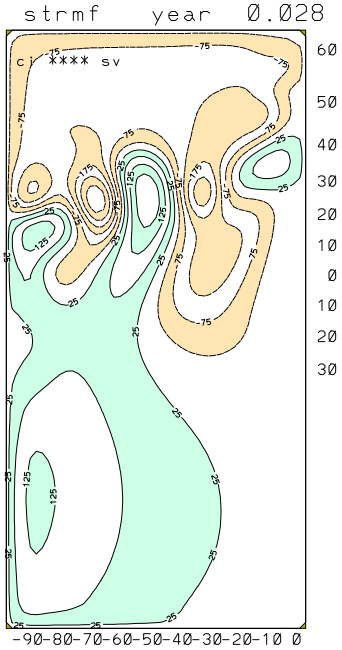


sig=25.00 thknss year 0.028 (jan.15)

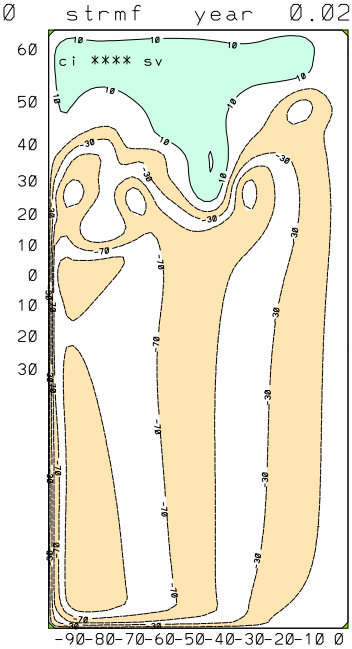
layer 1 strmf year 0.028 (jan.15)

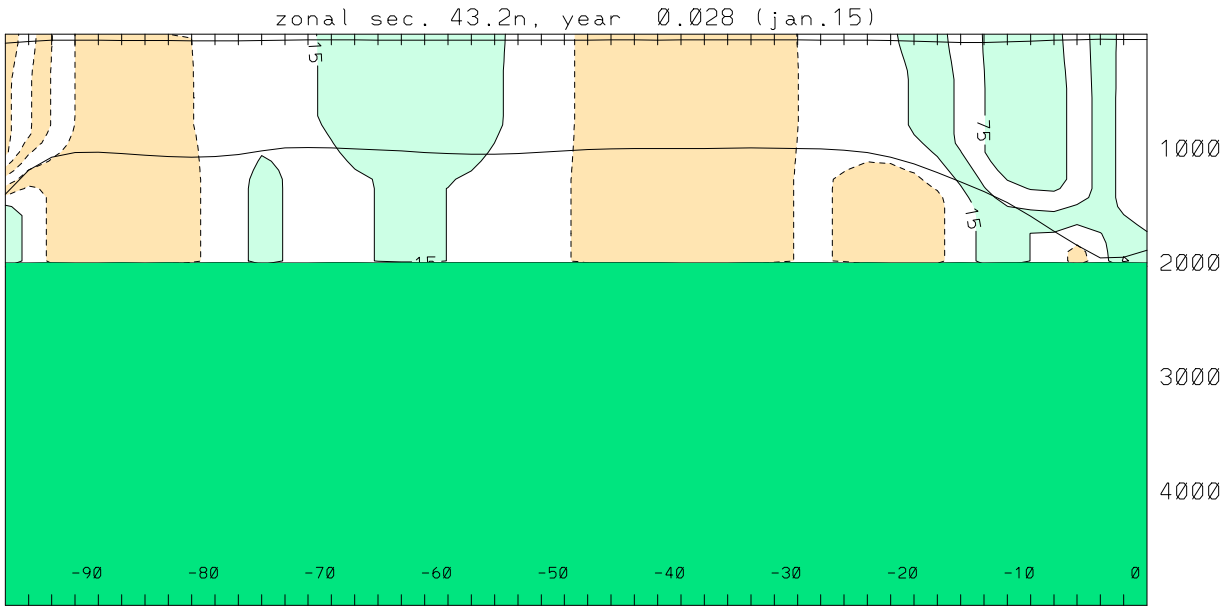


sig=23.50 strmf year 0.028 (jan.15)



sig=25.00 strmf year 0.028 (jan.15)




zonal sec. 43.2n, year 0.028 (jan.15)
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15
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2000
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4000
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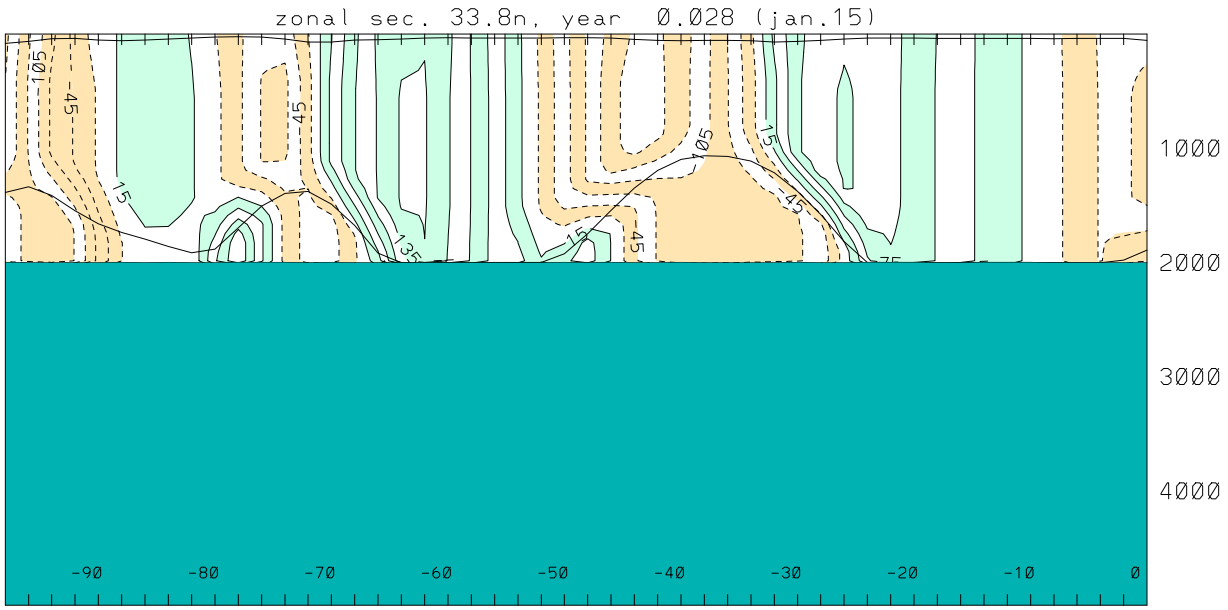
-20
-10
0


zonal sec. 33.8n, year 0.028 (jan.15)
105
45
15
45
135
15
45
105
15
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1000
2000
3000
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-90
-80
-70
-60
-50
-40
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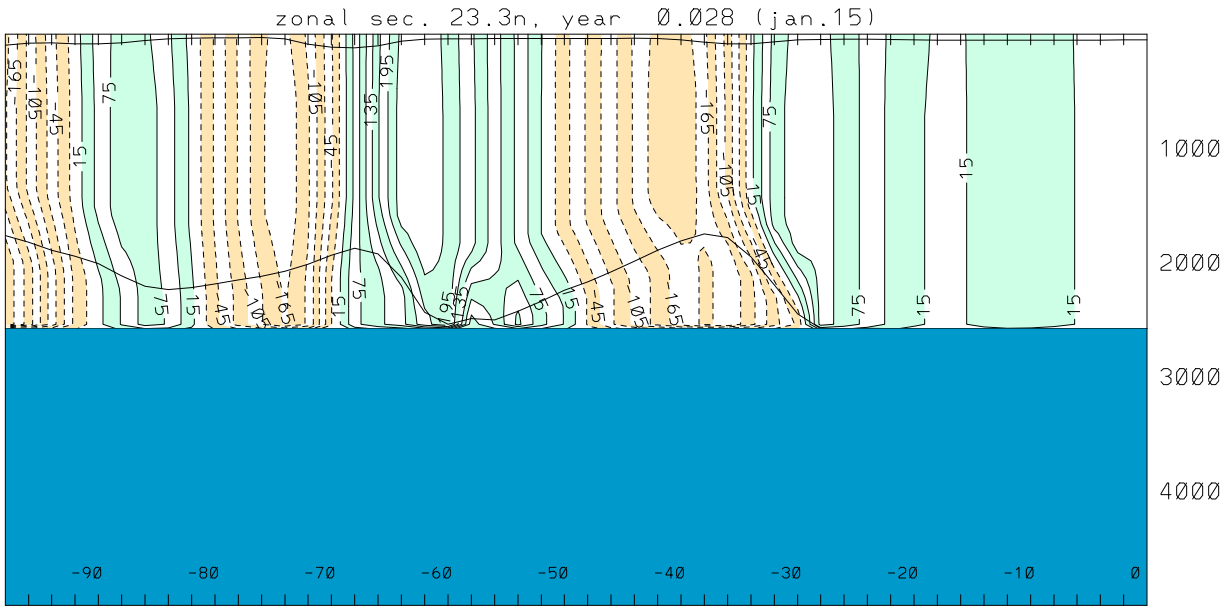
-20
-10
0


zonal sec. 23.3n, year 0.028 (jan.15)
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2000
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4000
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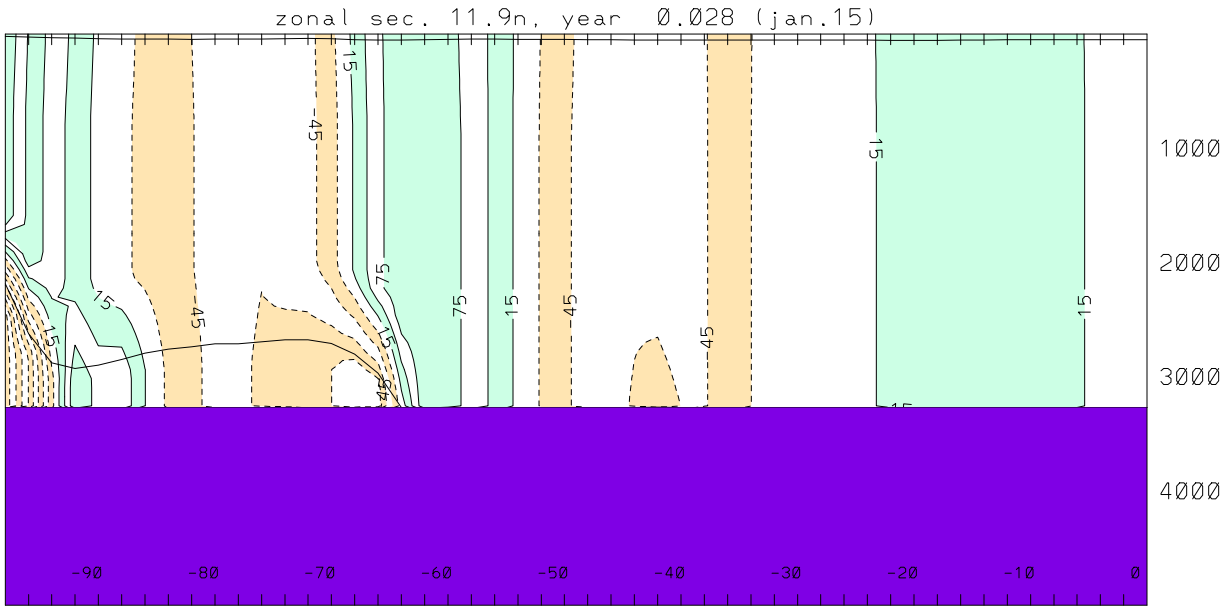
-70
-60
-50
-40
-30
-20
-10
0


zonal sec. 11.9n, year 0.028 (jan.15)
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2000
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-50
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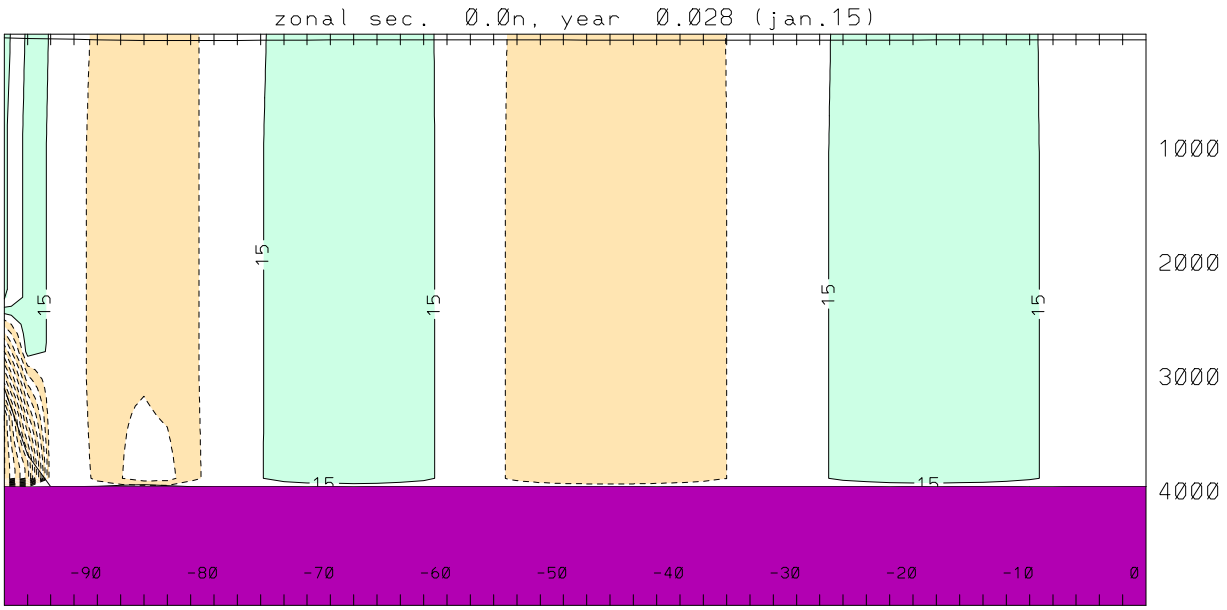
-20
-10
0


zonal sec. 0.0n, year 0.028 (jan.15)
15
15
15
15
15
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2000
3000
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-90
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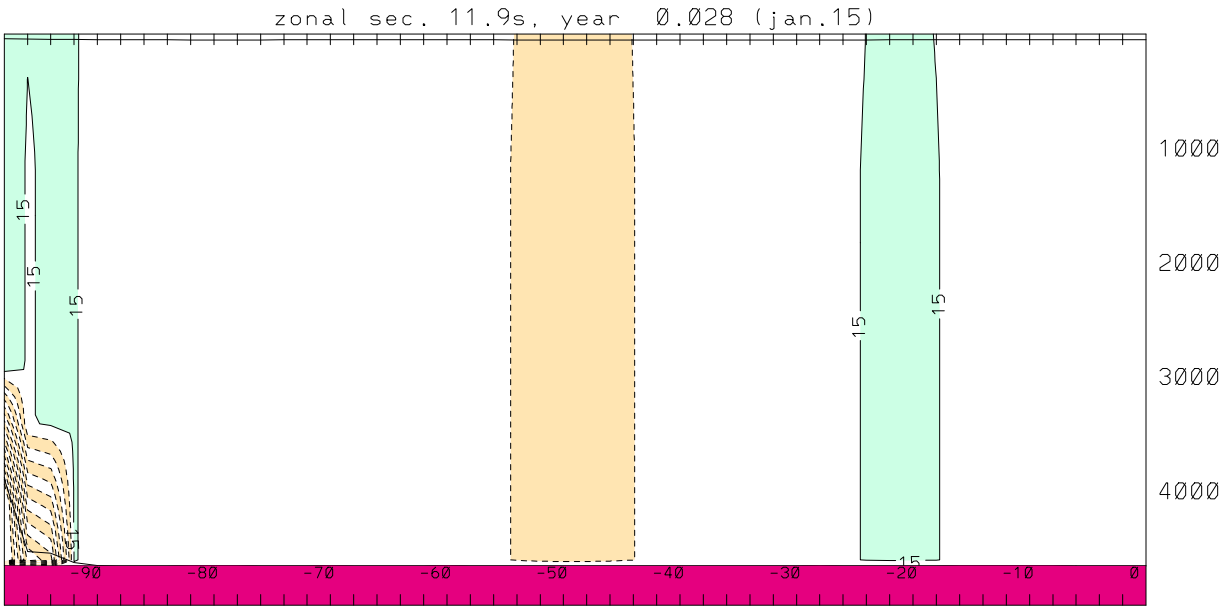
-70
-60
-50
-40
-30
-20
-10
0


zonal sec. 11.9s, year 0.028 (jan.15)
15
15
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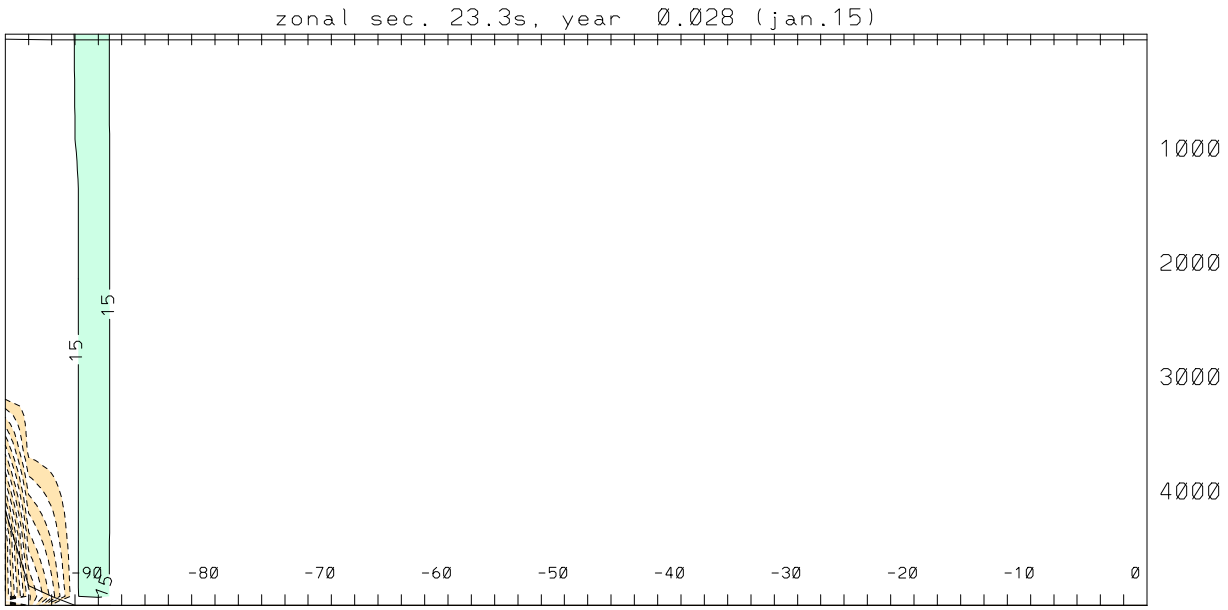
-10
0


zonal sec. 23.3s, year 0.028 (jan.15)
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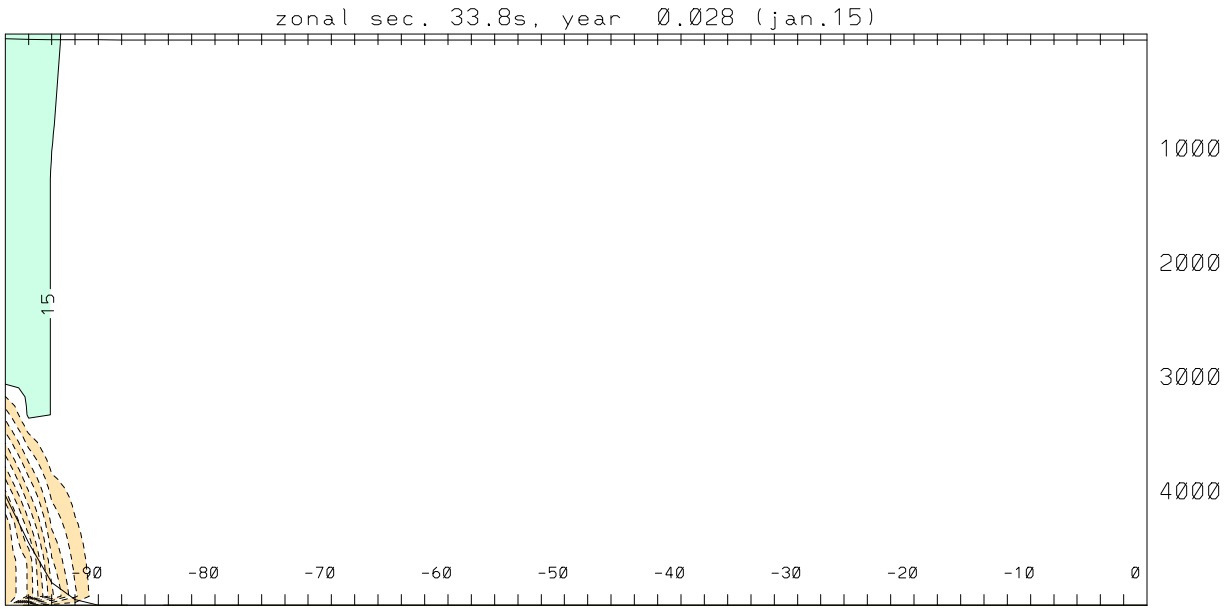
-10
0


zonal sec. 33.8s, year 0.028 (jan.15)
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-10
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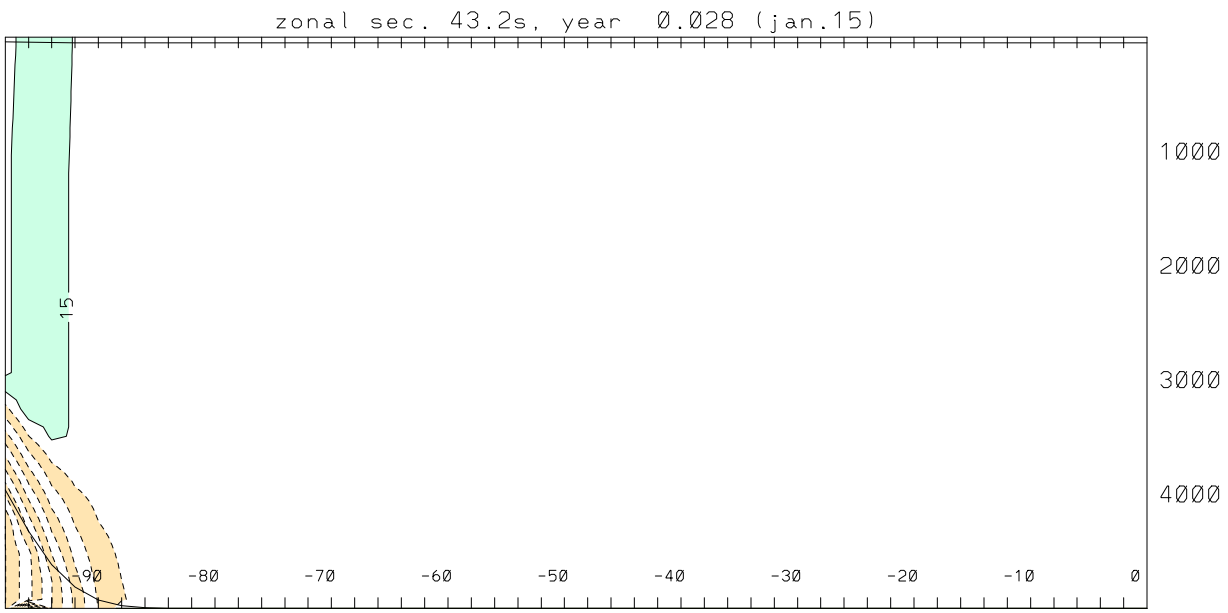
zonal sec. 43.2s, year 0.028 (jan.15)
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-90
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-70
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-50
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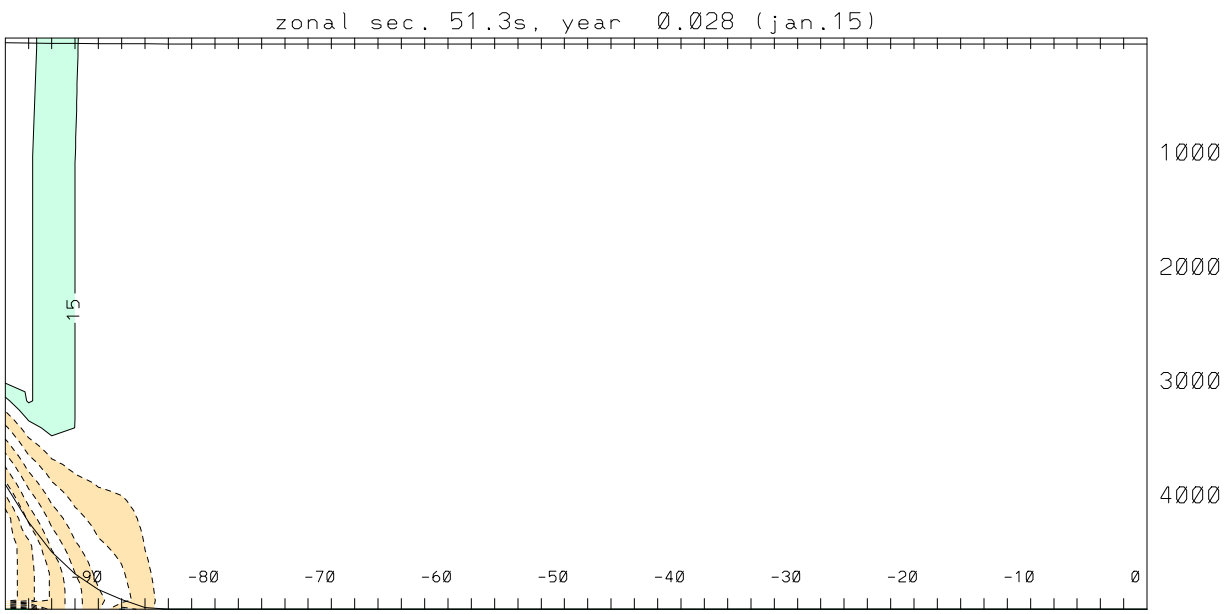
-20
-10
0


zonal sec. 51.3s, year 0.028 (jan.15)
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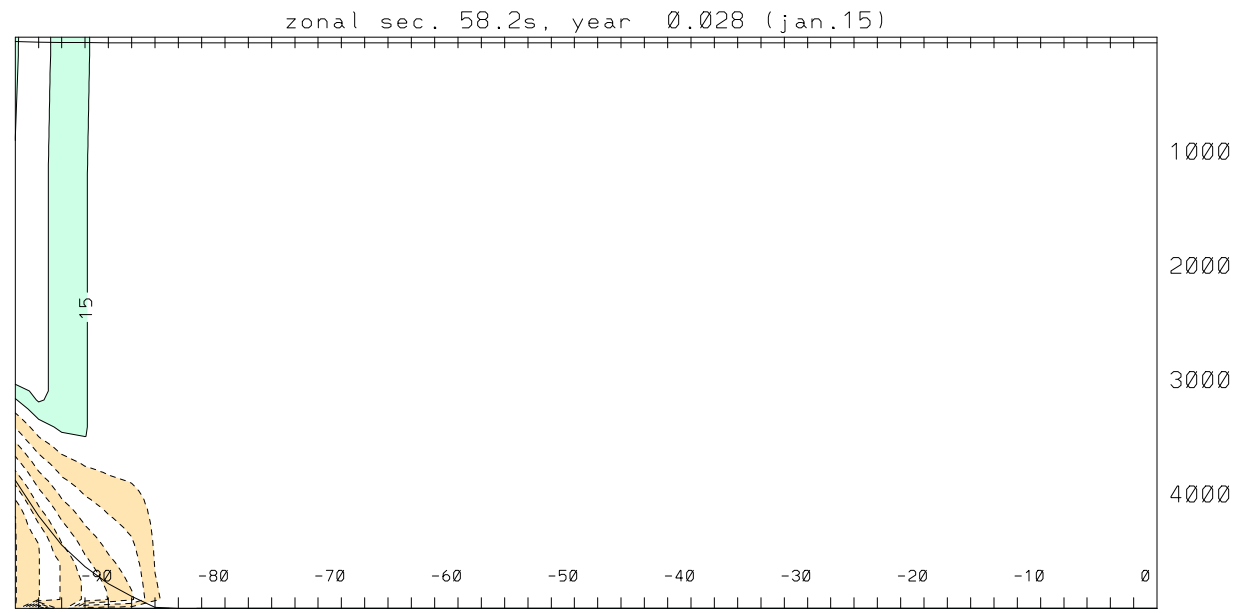
-10
0


zonal sec. 58.2s, year 0.028 (jan.15)
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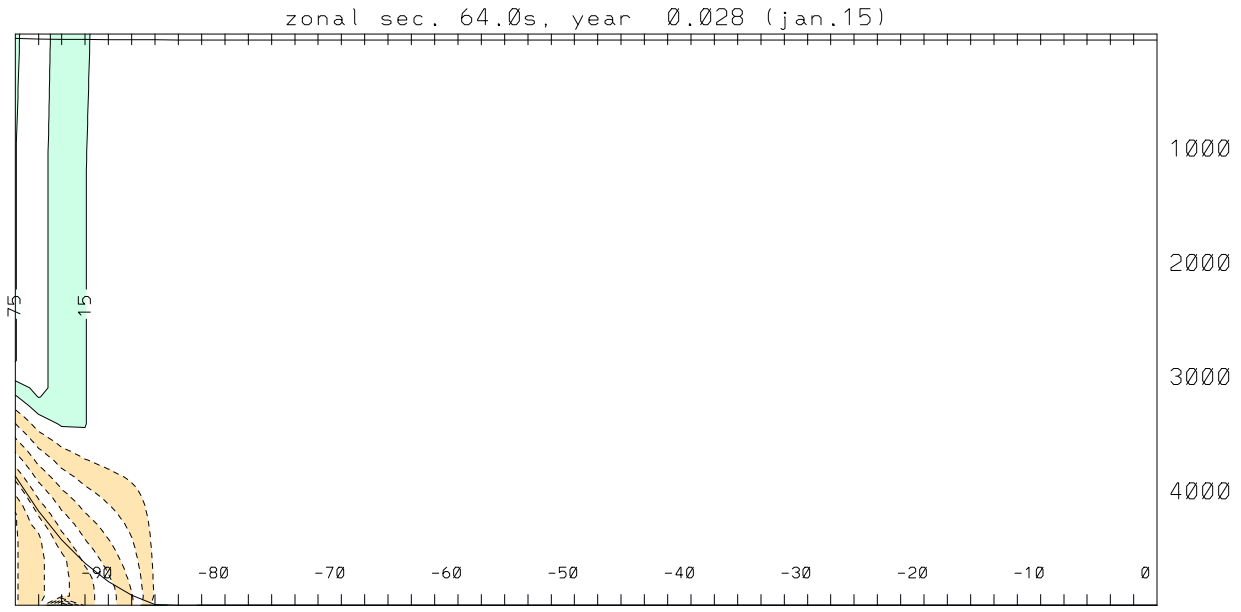
-10
0


zonal sec. 64.0s, year 0.028 (jan.15)
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-10
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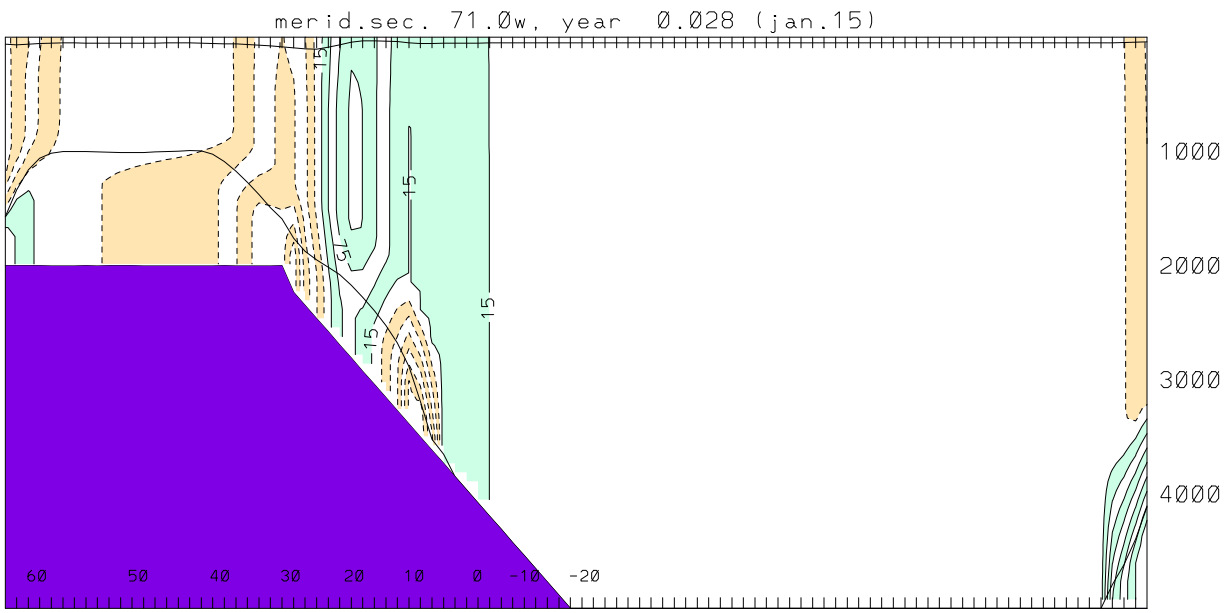
merid.sec. 71.0w, year 0.028 (jan.15)
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-15
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4000
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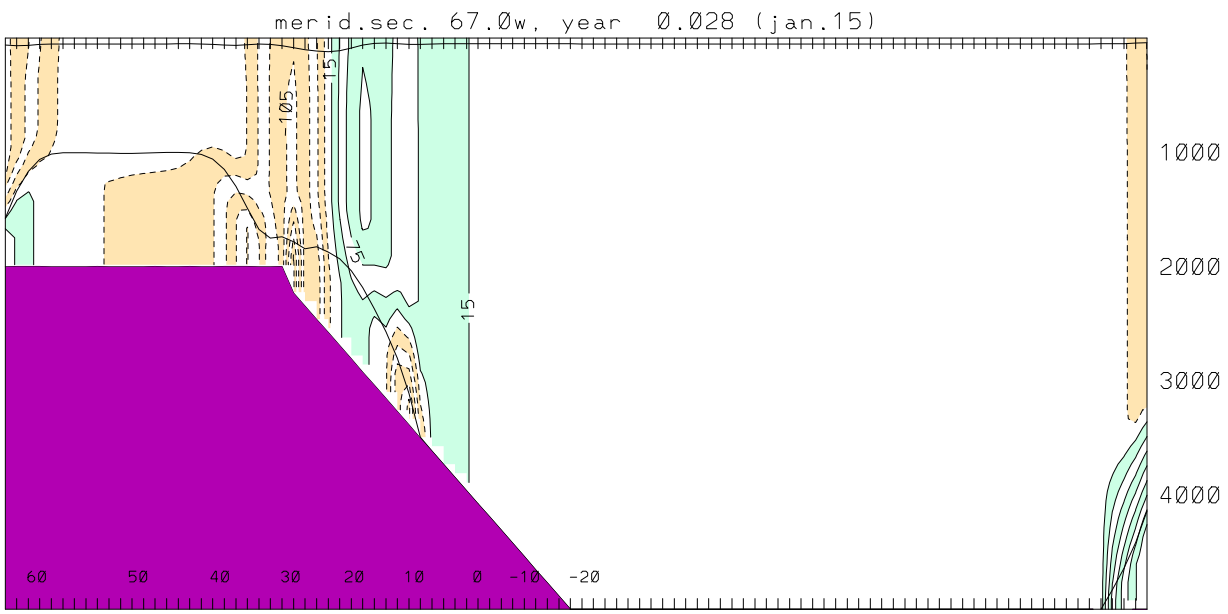
0
-10
-20


merid.sec. 67.0w, year 0.028 (jan.15)
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15
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4000
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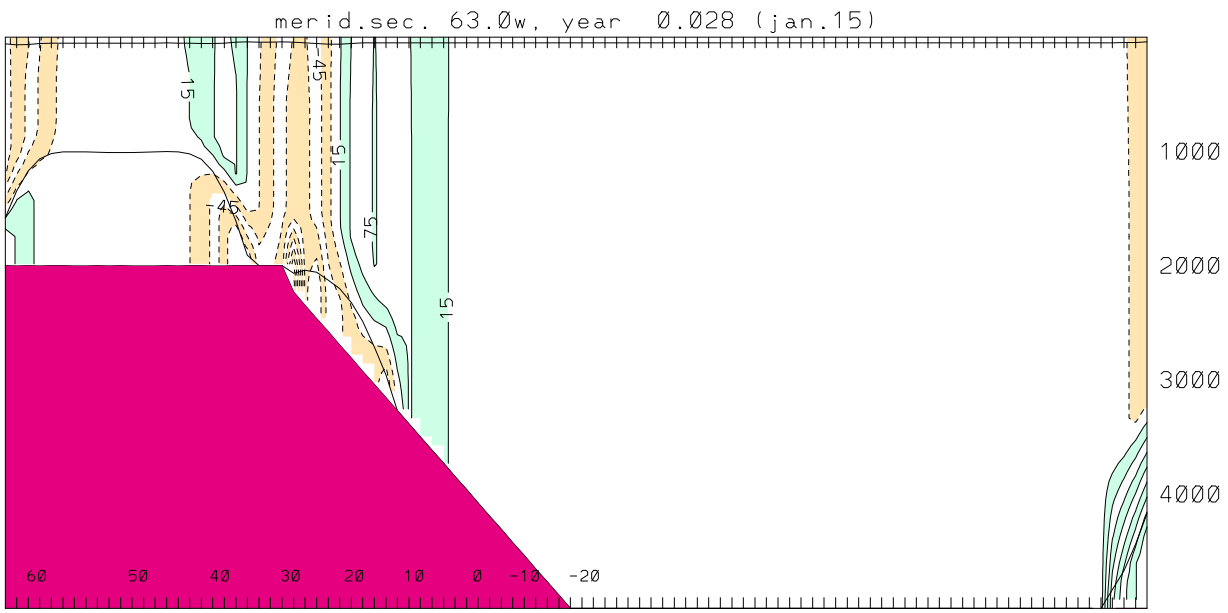
-20


merid.sec. 63.0w, year 0.028 (jan.15)
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2000
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4000
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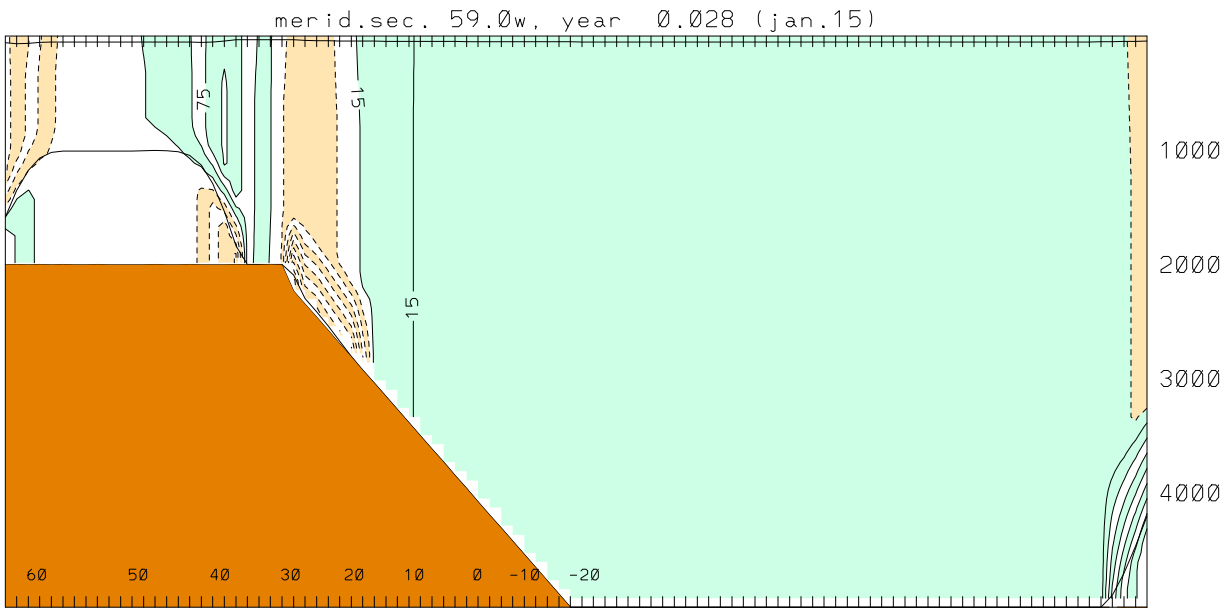
merid.sec. 59.0w, year 0.028 (jan.15)
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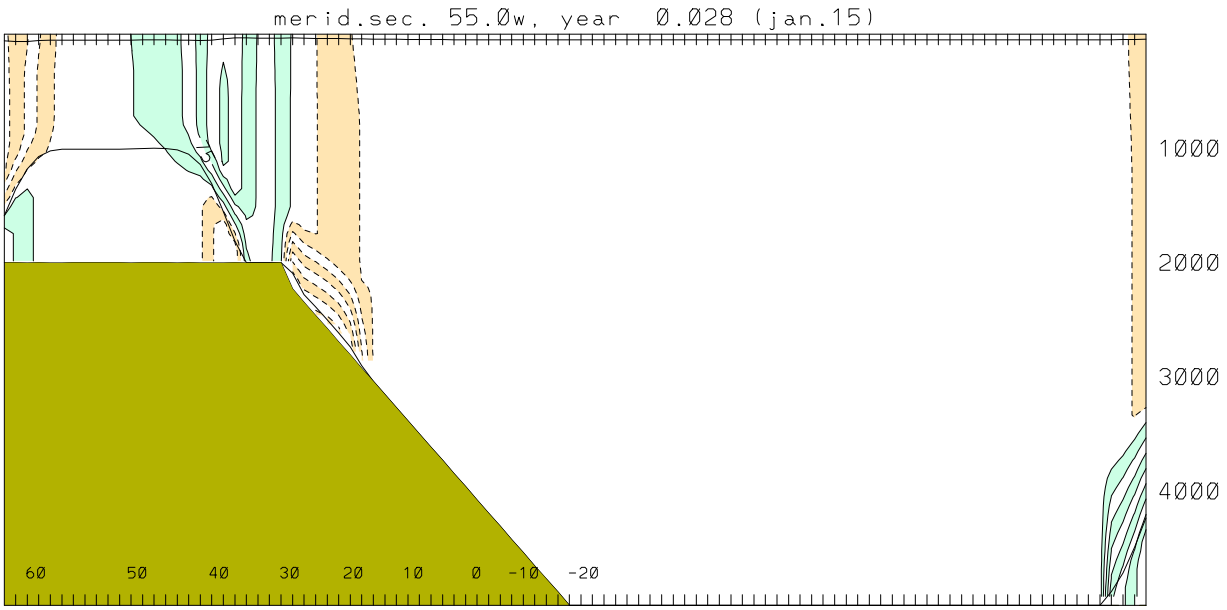
merid.sec. 55.0w, year 0.028 (jan.15)
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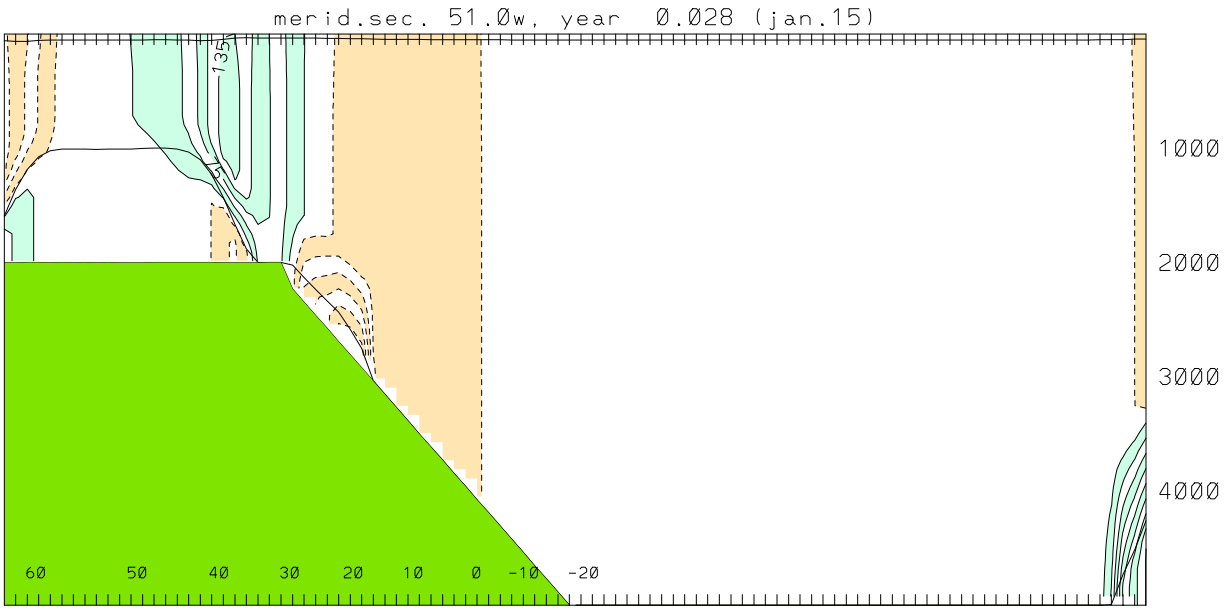
merid.sec. 51.0w, year 0.028 (jan.15)
135
1000
2000
3000
4000
60
50
40
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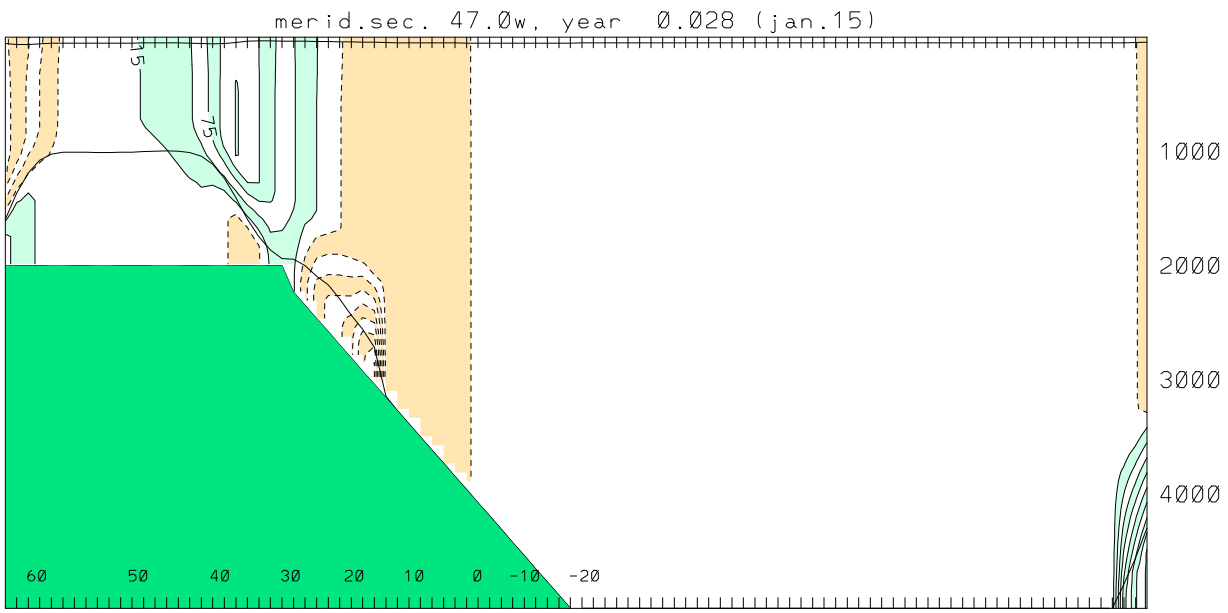
0
-10
-20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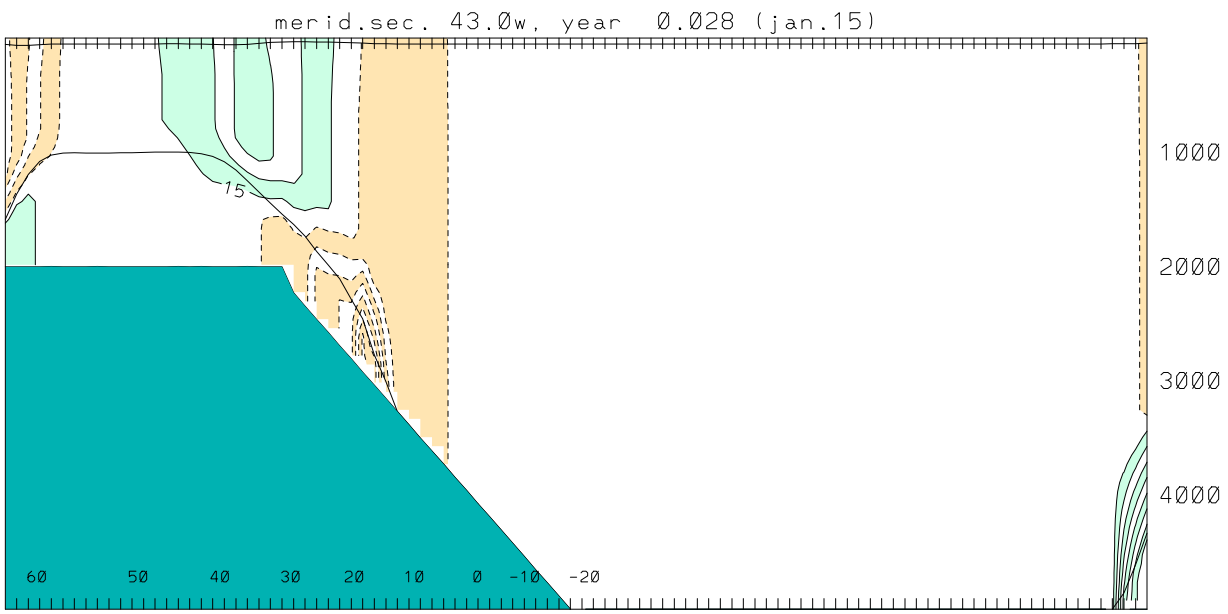
-10
-20


merid.sec. 43.0w, year 0.028 (jan.15)
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1000
2000
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4000
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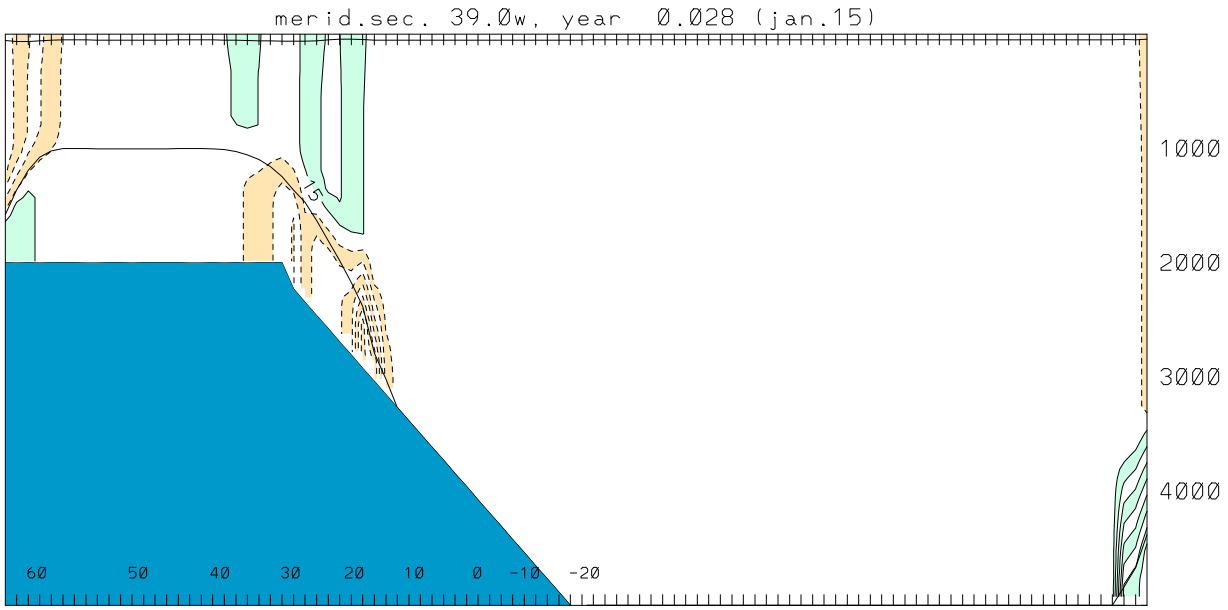
50
40
30
20
10
0
-10
-20


merid.sec. 39.0w, year 0.028 (jan.15)
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1000
2000
3000
4000
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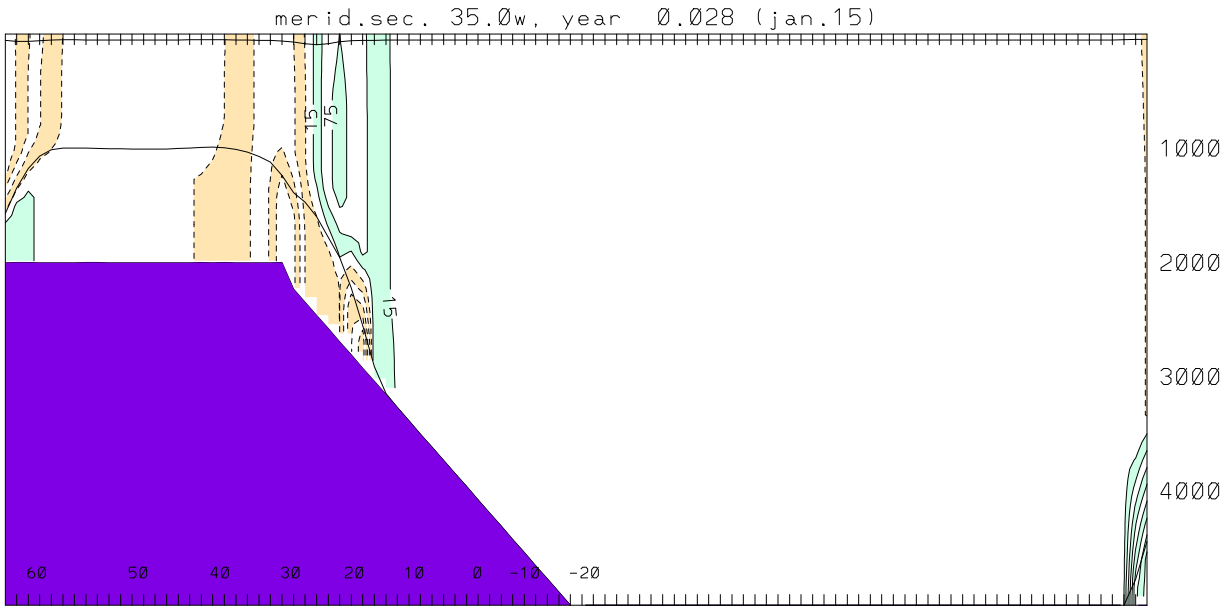
50
40
30
20
10
0
-10
-20


merid.sec. 35.0w, year 0.028 (jan.15)
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75
15
1000
2000
3000
4000
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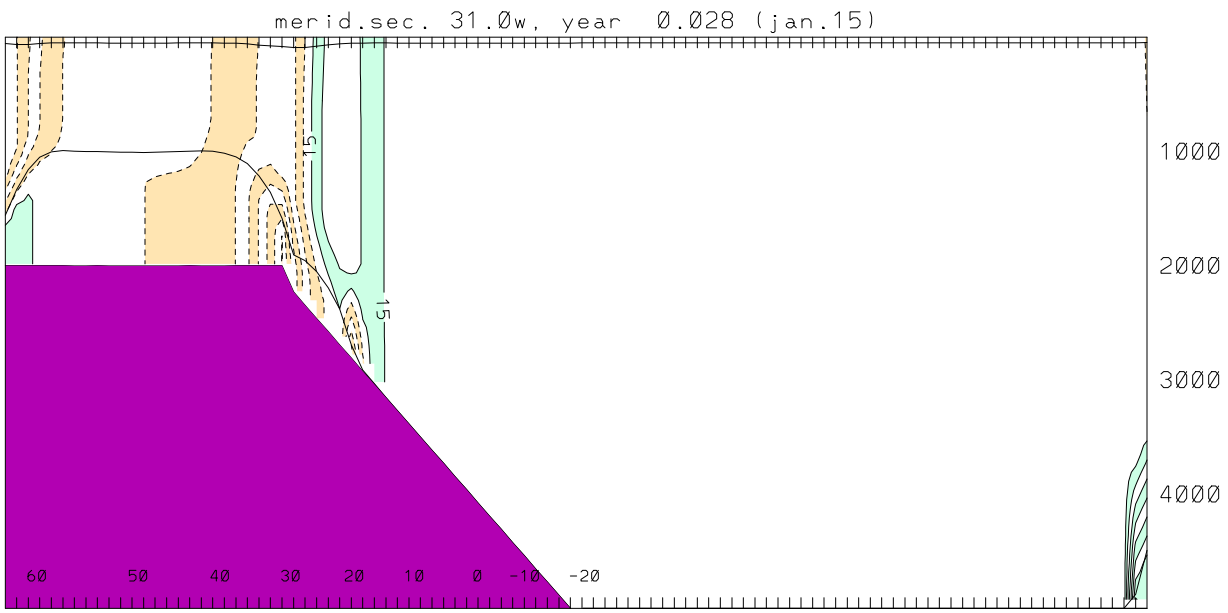
50
40
30
20
10
0
-10
-20


merid.sec. 31.0w, year 0.028 (jan.15)
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15
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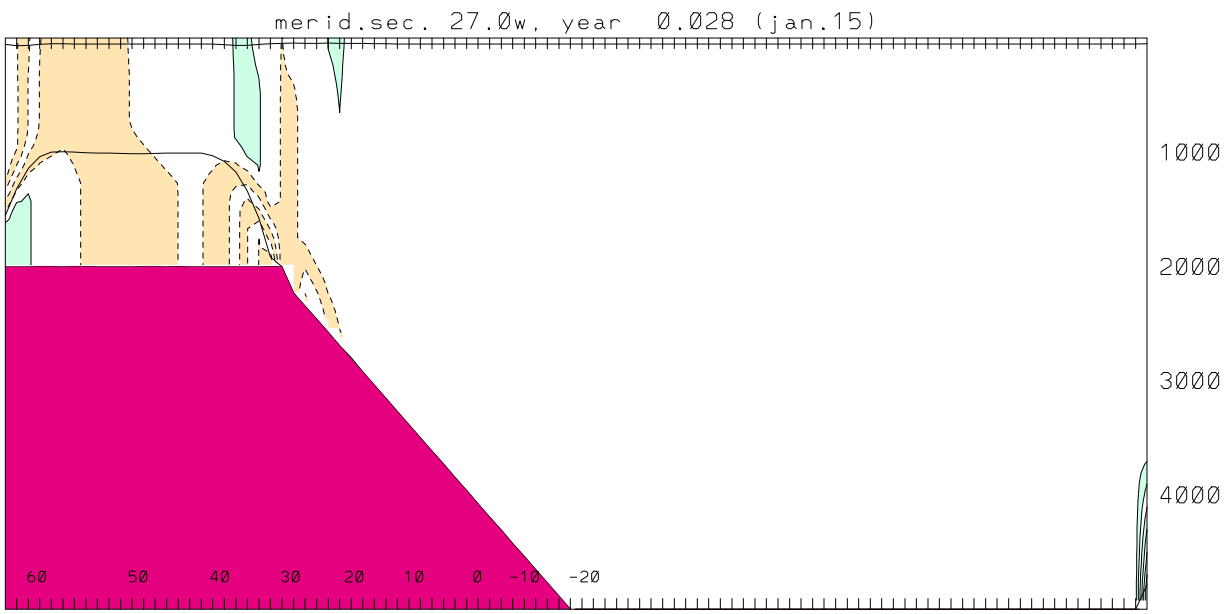
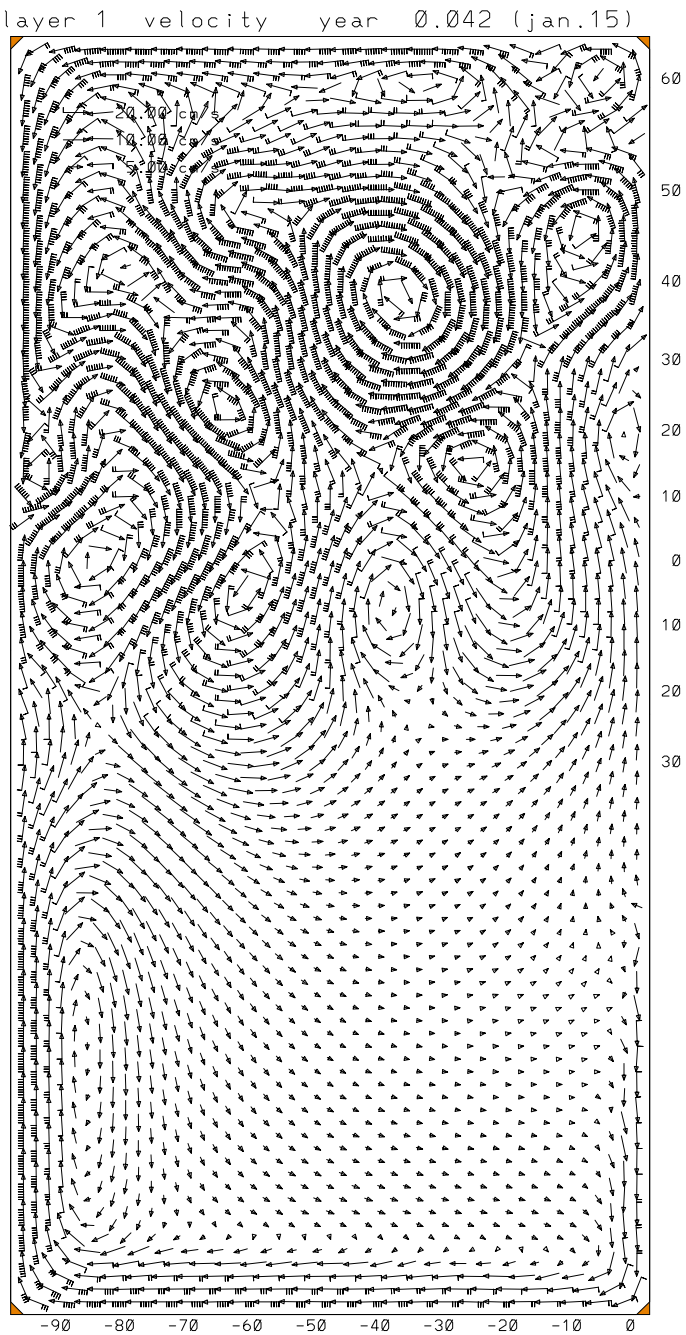
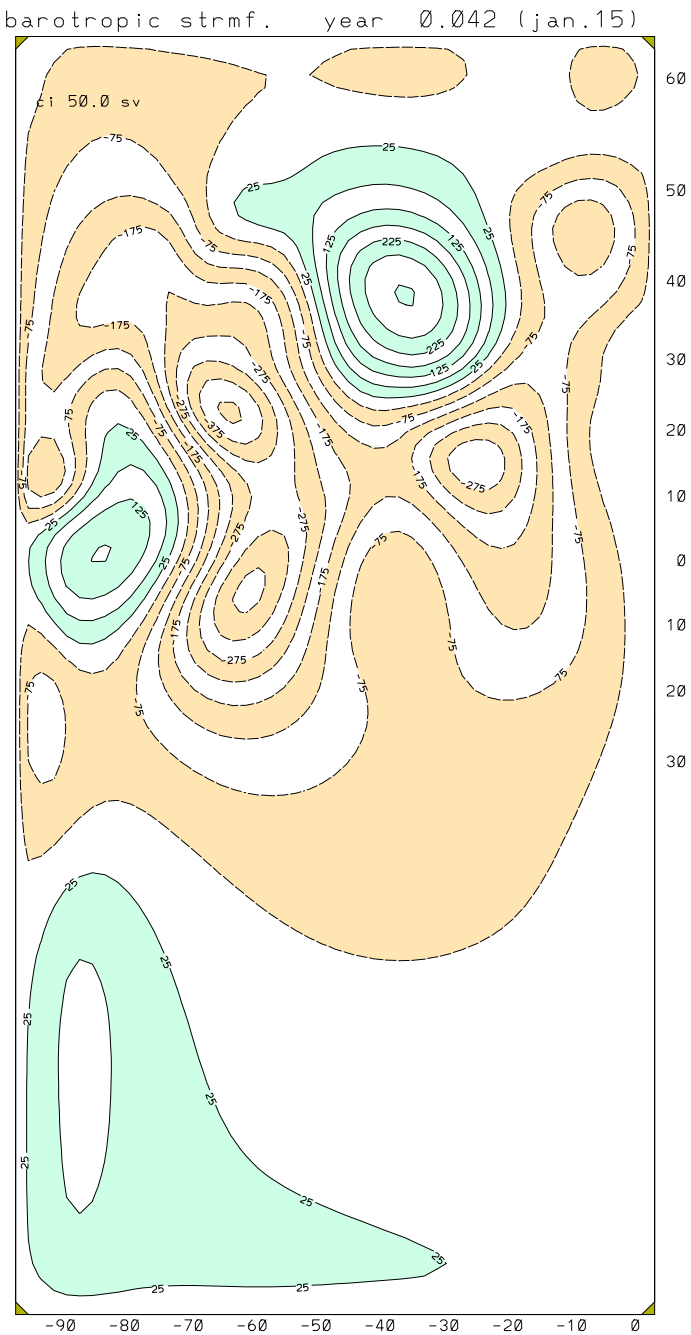
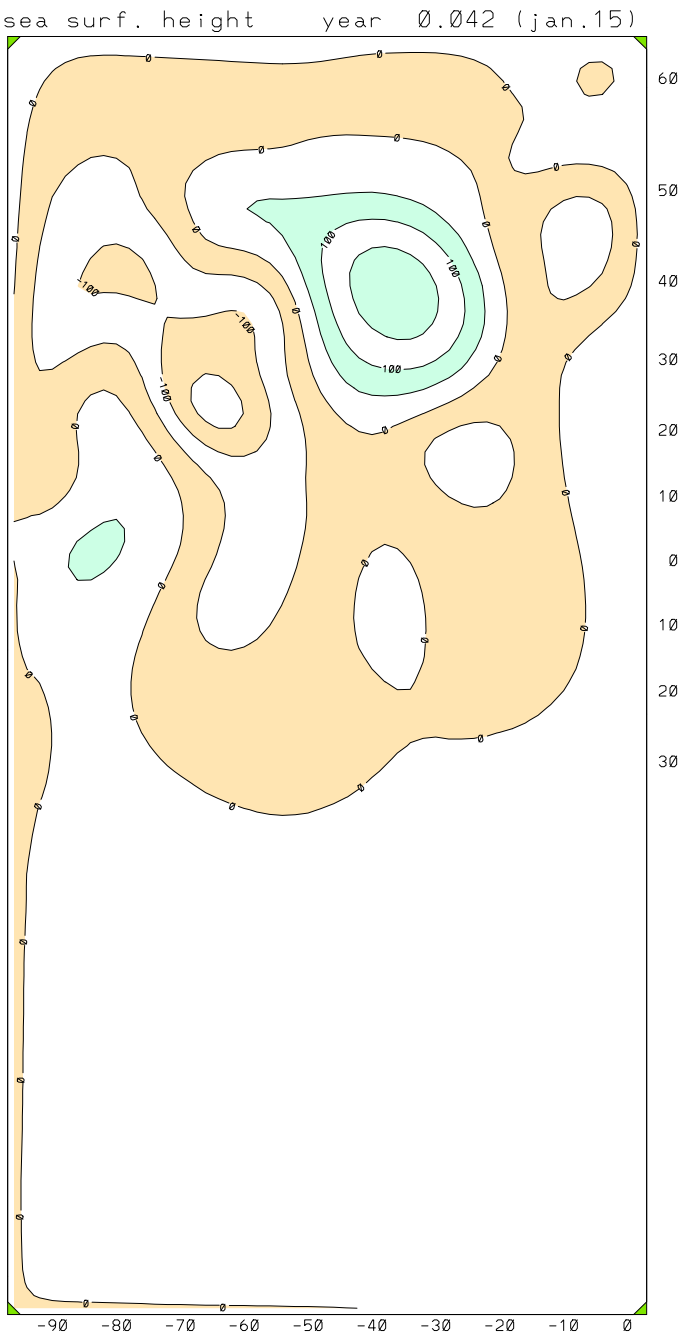
2000
3000
4000
60
50
40
30
20
10
0
-10
-20

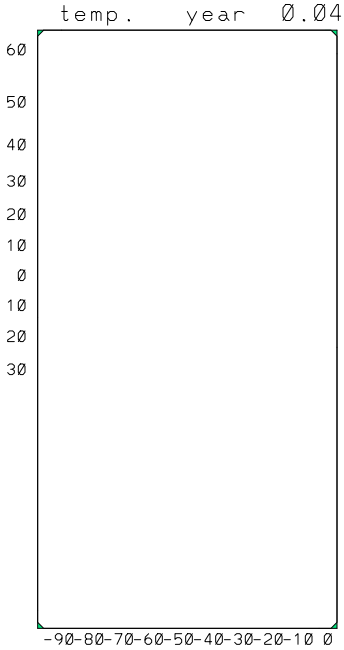

merid.sec. 27.0w, year 0.028 (jan.15)
1000
2000
3000
4000
60
50
40
30
20
10
0
-10
-20


layer 1 velocity year 0.042 (jan.15)
20.00 cm/s
10.00 cm/s
0.00 cm/s
60
50
40
30
20
10
0
10
20
30
-90
-80
-70
-60
-50
-40
-30
-20
-10
0

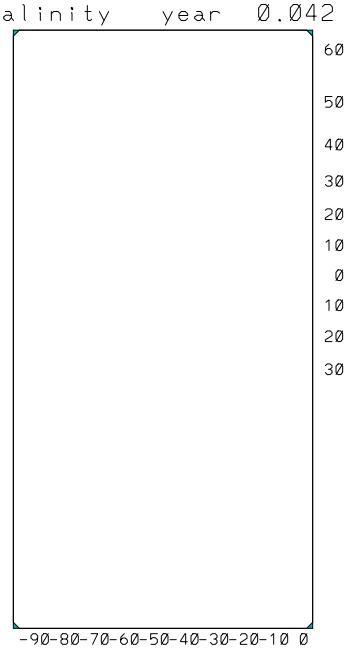

barotropic strmf. year 0.042 (jan.15)
ci 50.0 sv
60
50
40
30
20
10
0
10
20
30
-90
-80
-70
-60
-50
-40
-30
-20
-10
0


sea surf. height year 0.042 (jan.15)
60
50
40
30
20
10
0
10
20
30
-90
-80
-70
-60
-50
-40
-30
-20
-10
0
100
-100

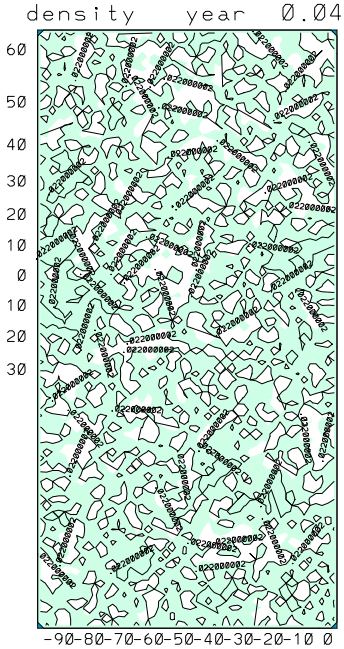
layer 1 temp. year 0.042 (jan.15)



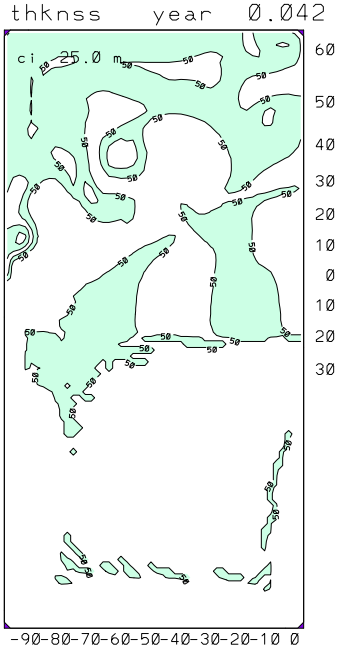
layer 1 salinity year 0.042 (jan.15)



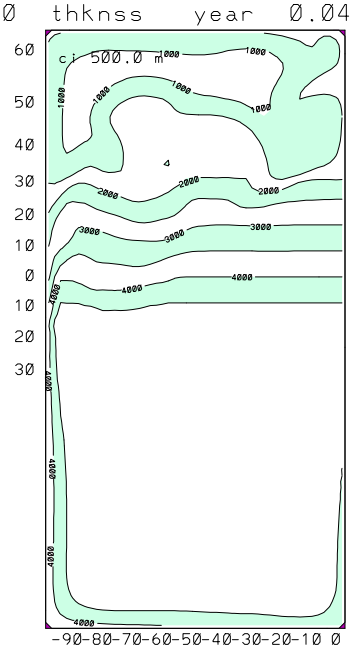
layer 1 density year 0.042 (jan.15)



layer 1 thknss year 0.042 (jan.15)

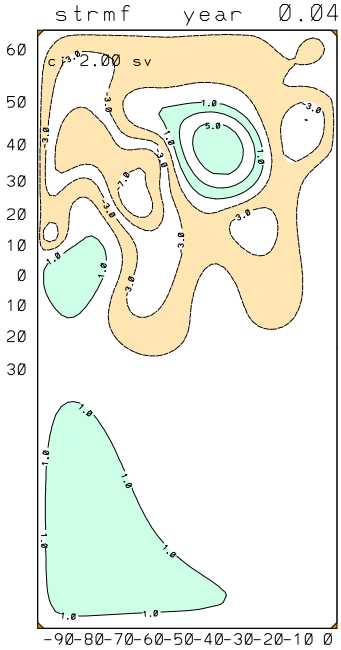


sig=23.50 thknss year 0.042 (jan.15)

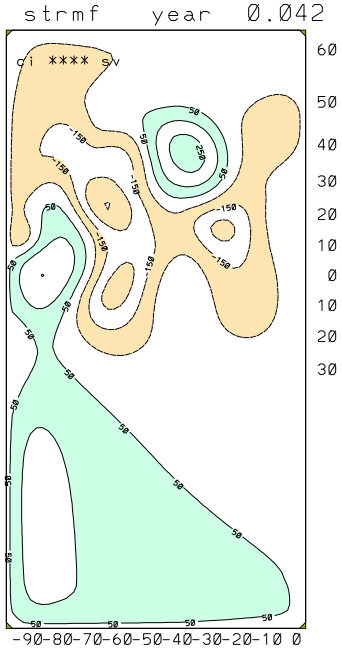


sig=25.00 thknss year 0.042 (jan.15)

layer 1 strmf year 0.042 (jan.15)



sig=23.50 strmf year 0.042 (jan.15)



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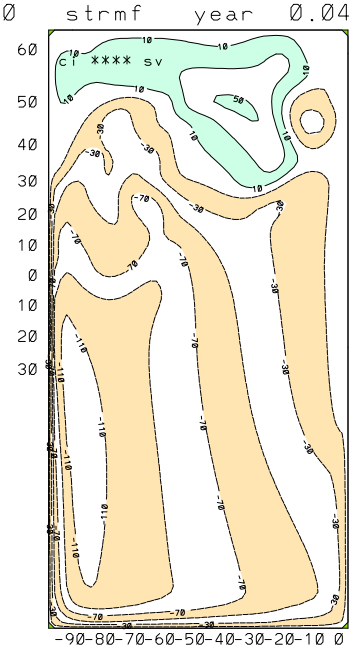
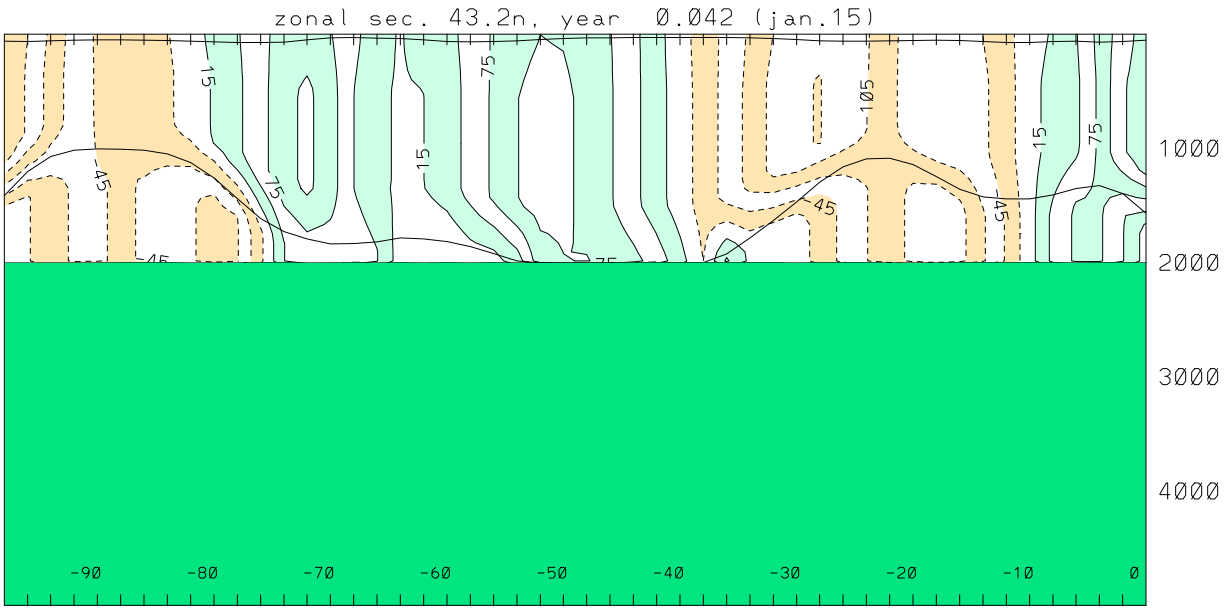
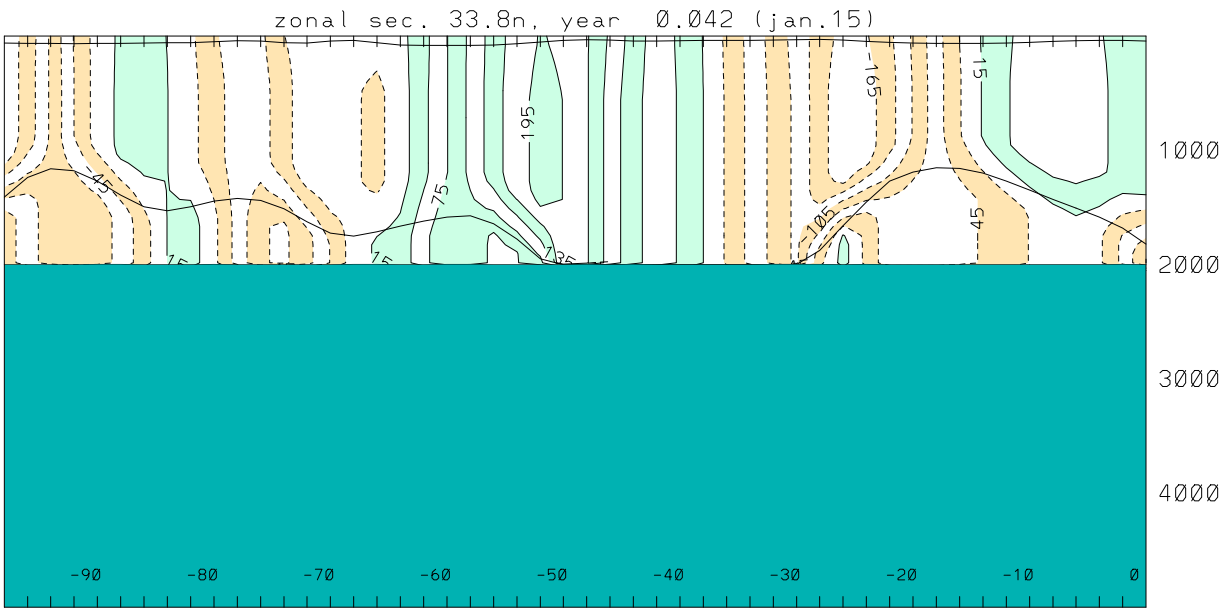
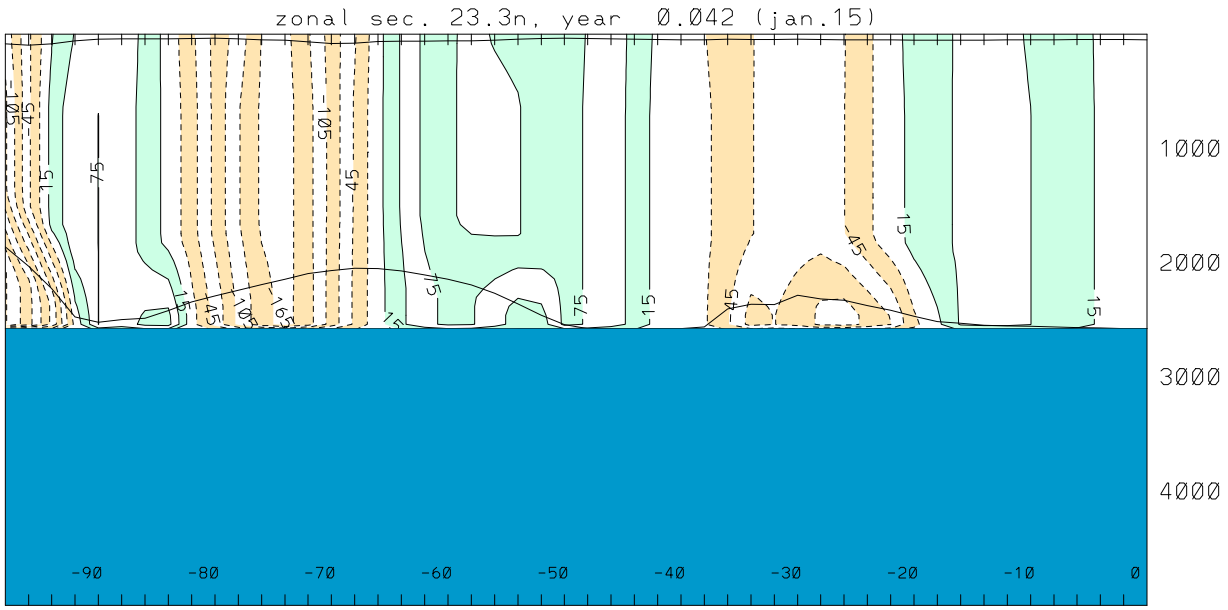



zonal sec. 43.2n, year 0.042 (jan.15)
15
75
15
75
105
15
75
45
45
45
1000
2000
3000
4000
-90
-80
-70
-60
-50
-40
-30
-20
-10
0


zonal sec. 33.8n, year 0.042 (jan.15)
195
75
105
15
45
45
1000
2000
3000
4000
-90
-80
-70
-60
-50
-40
-30
-20
-10
0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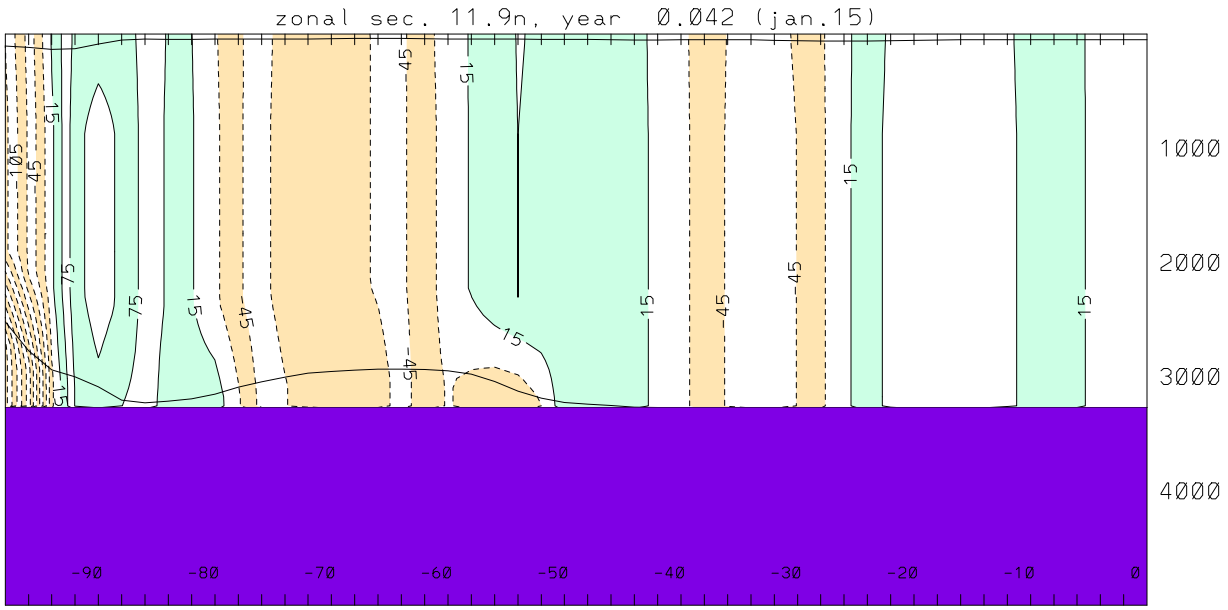
zonal sec. 11.9n, year 0.042 (jan.15)
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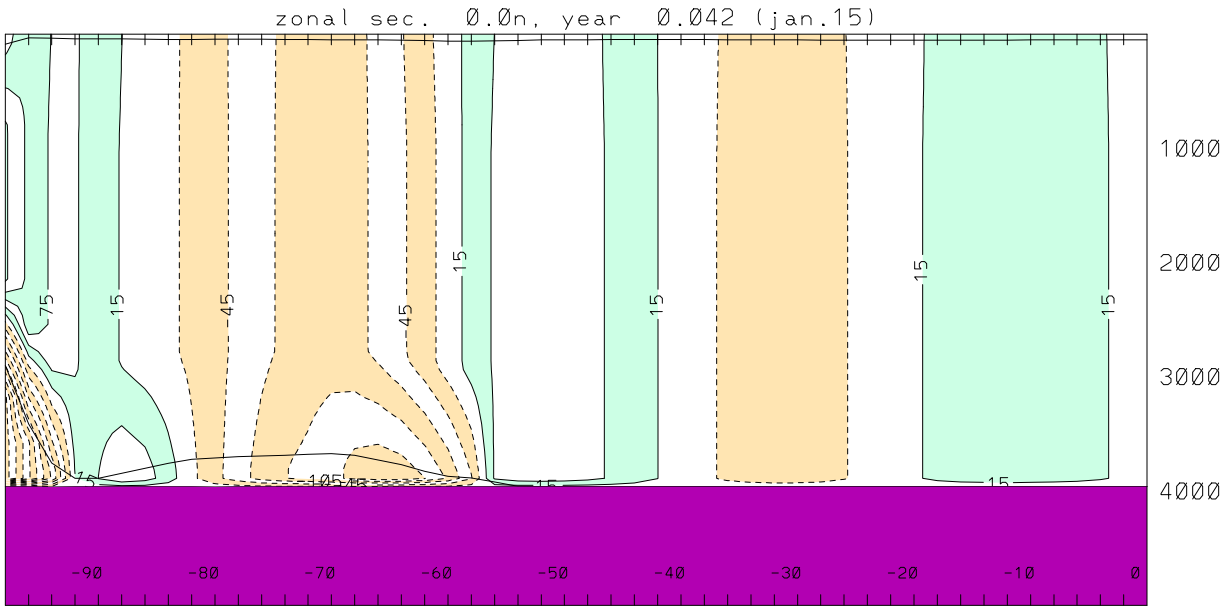
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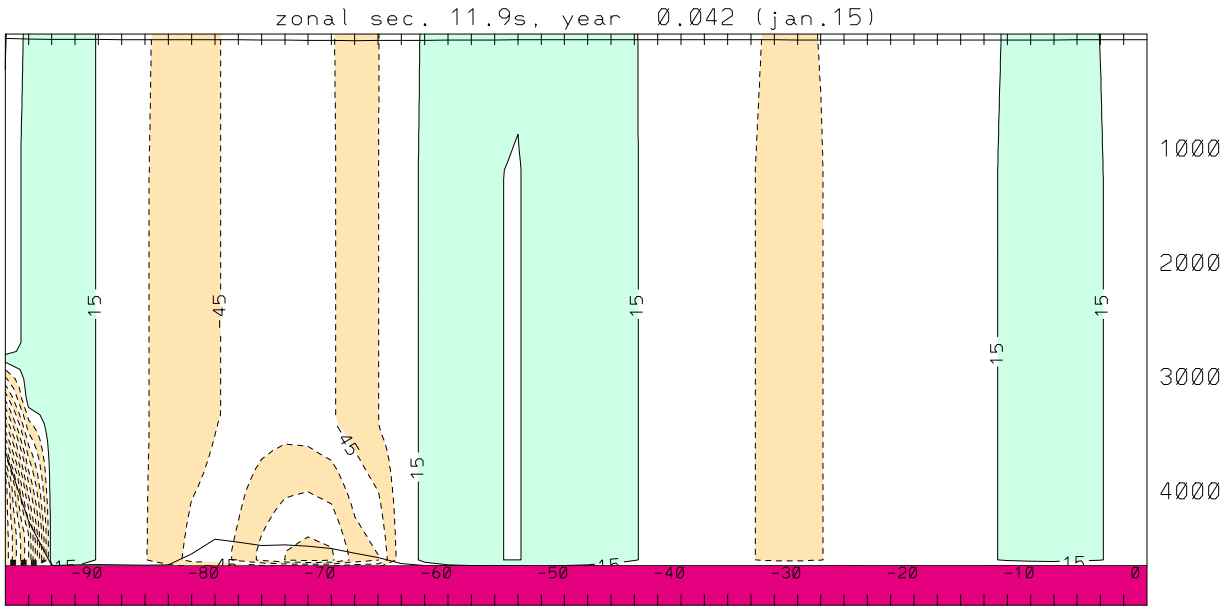
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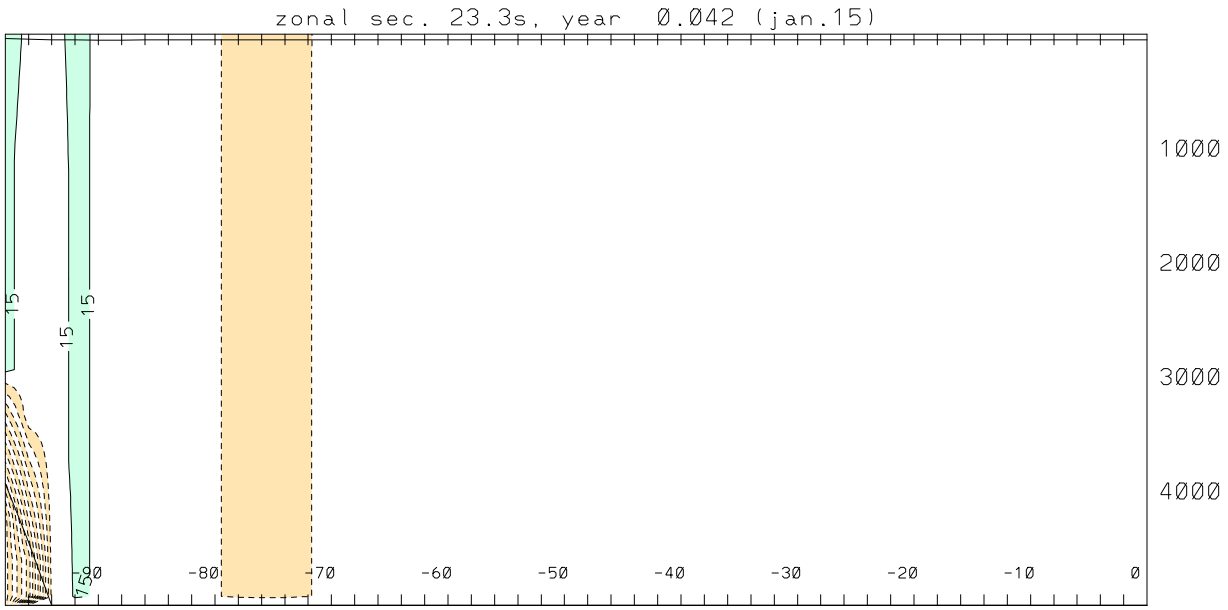
zonal sec. 23.3s, year 0.042 (jan.15)
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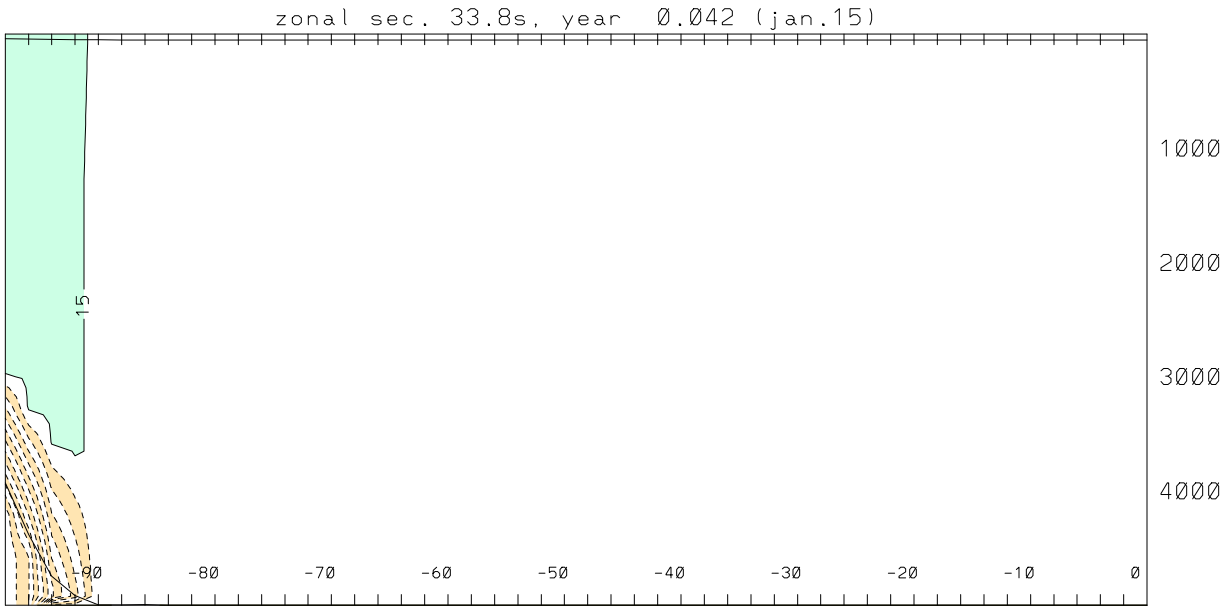
zonal sec. 33.8s, year 0.042 (jan.15)
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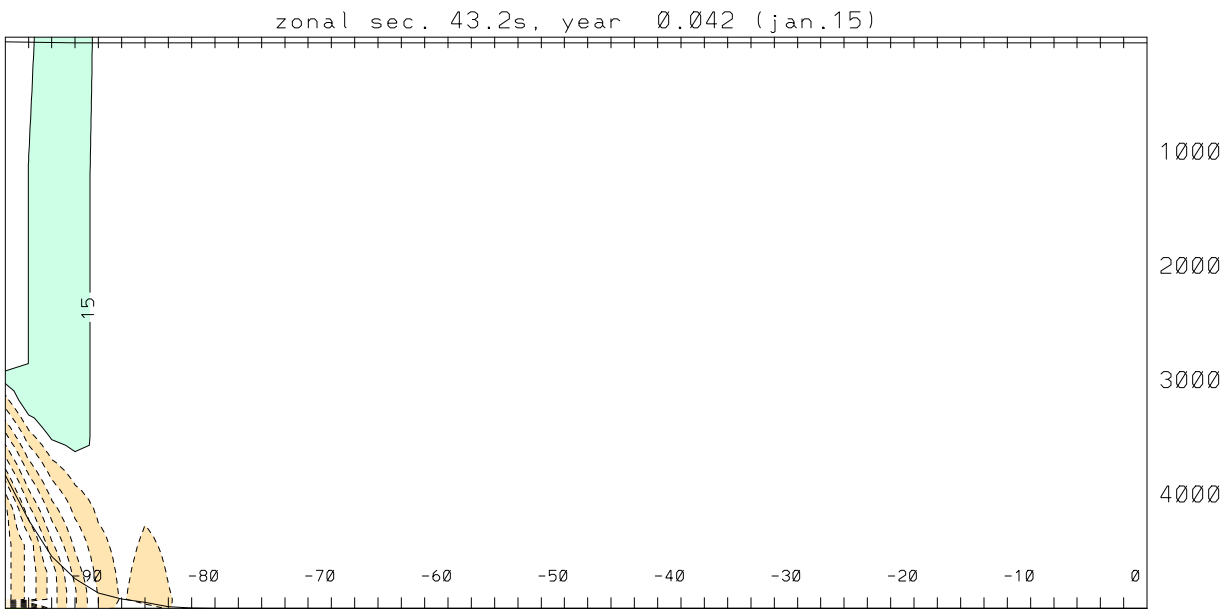
zonal sec. 43.2s, year 0.042 (jan.15)
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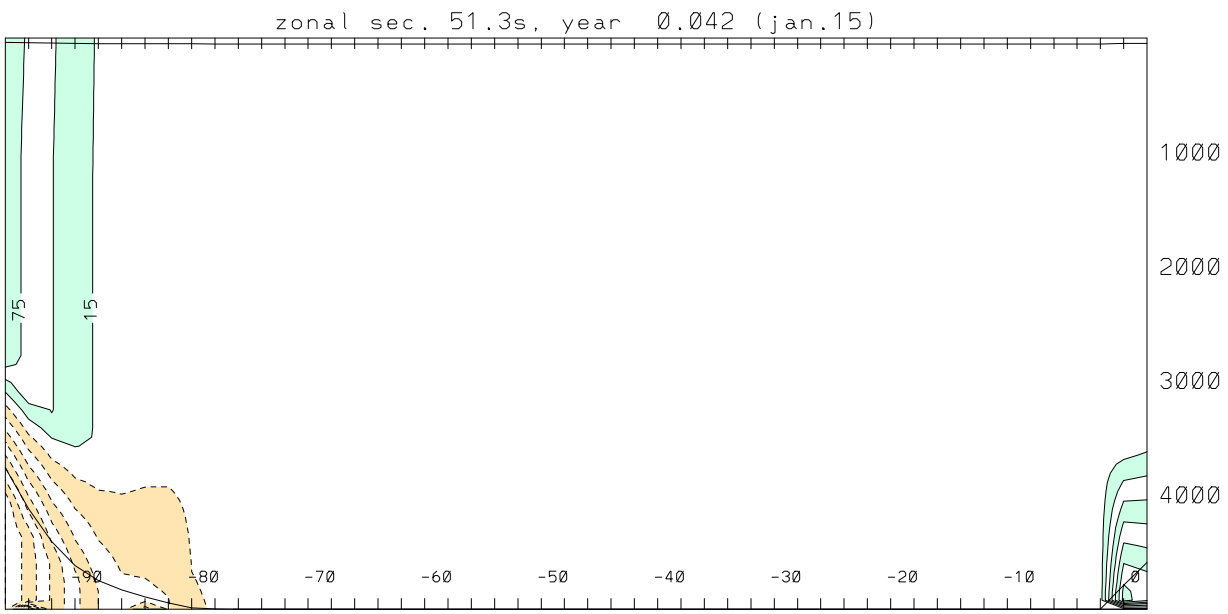
zonal sec. 51.3s, year 0.042 (jan.15)
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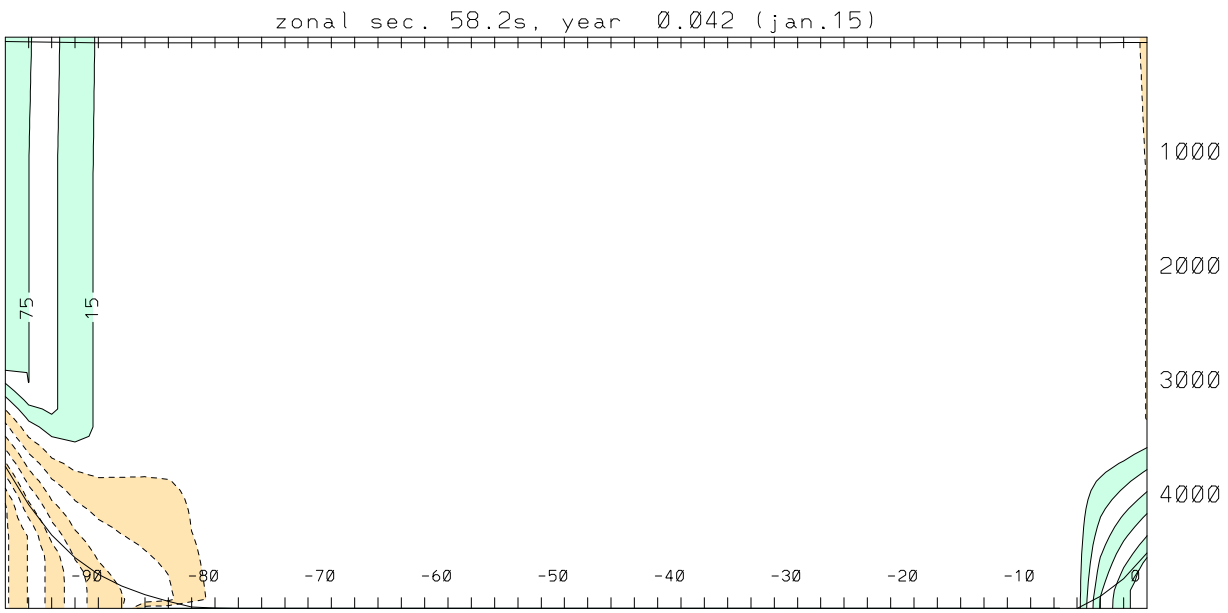
zonal sec. 58.2s, year 0.042 (jan.15)
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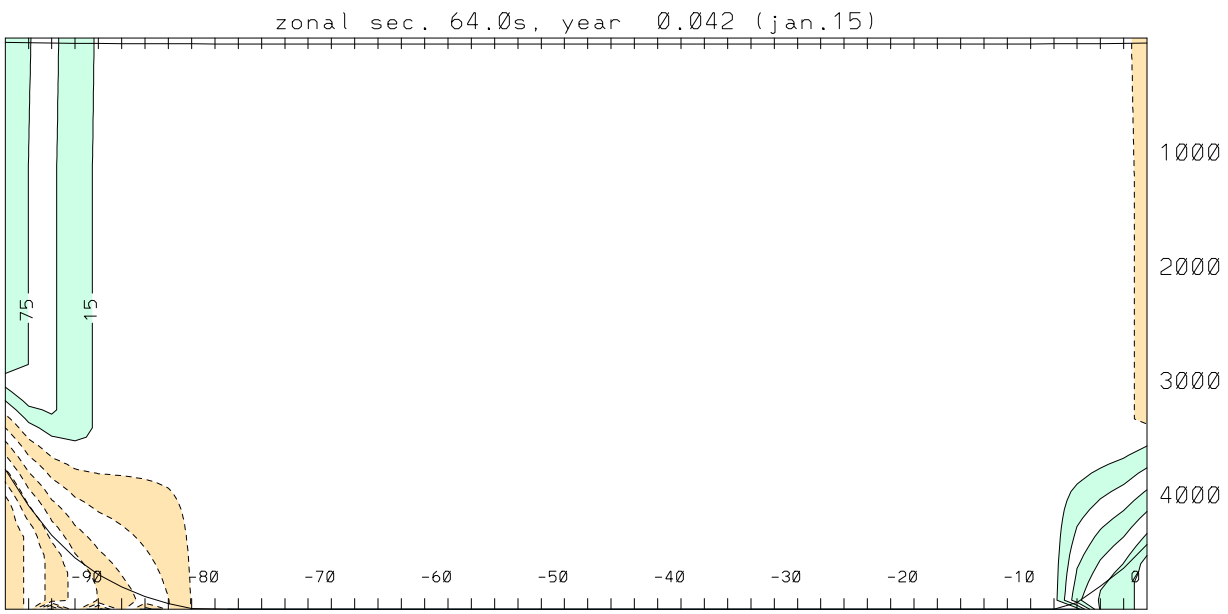
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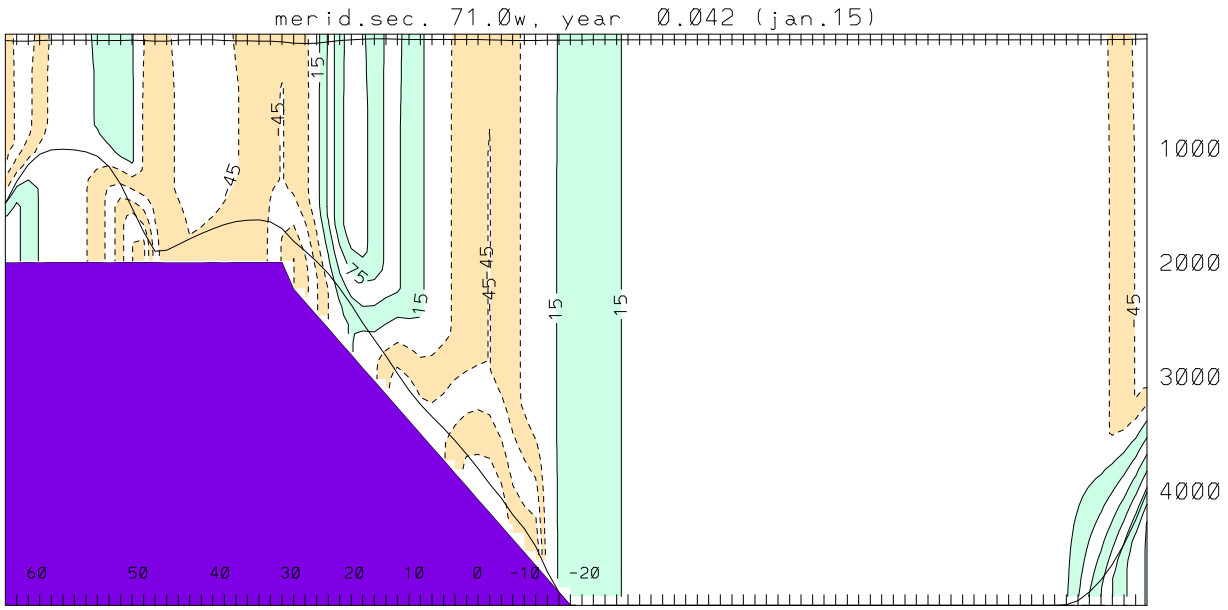
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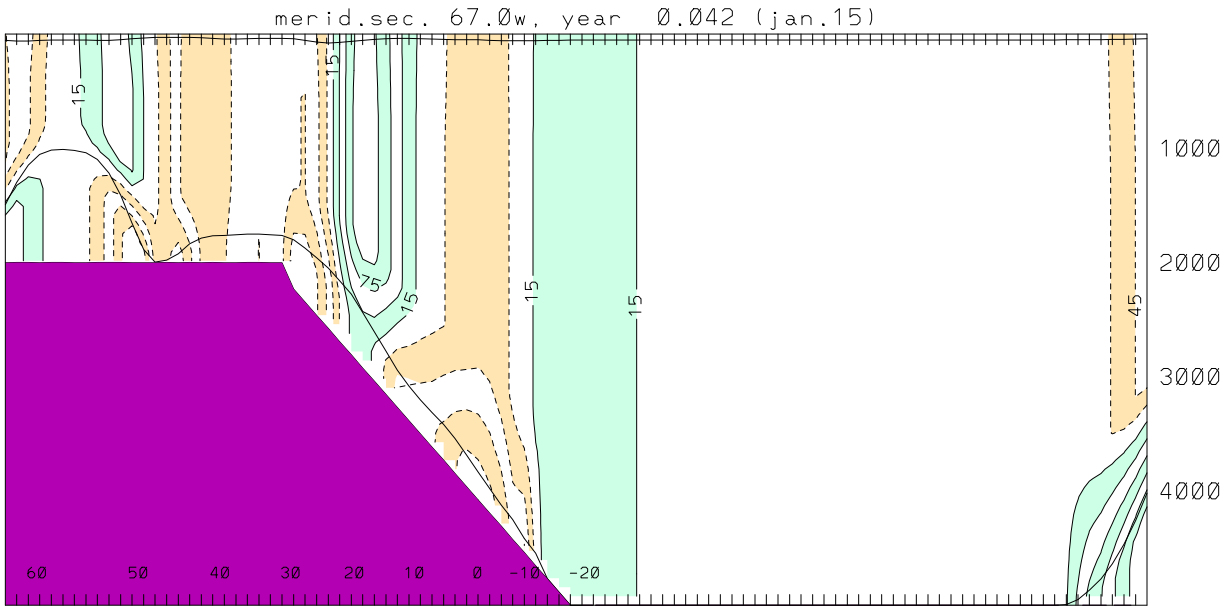
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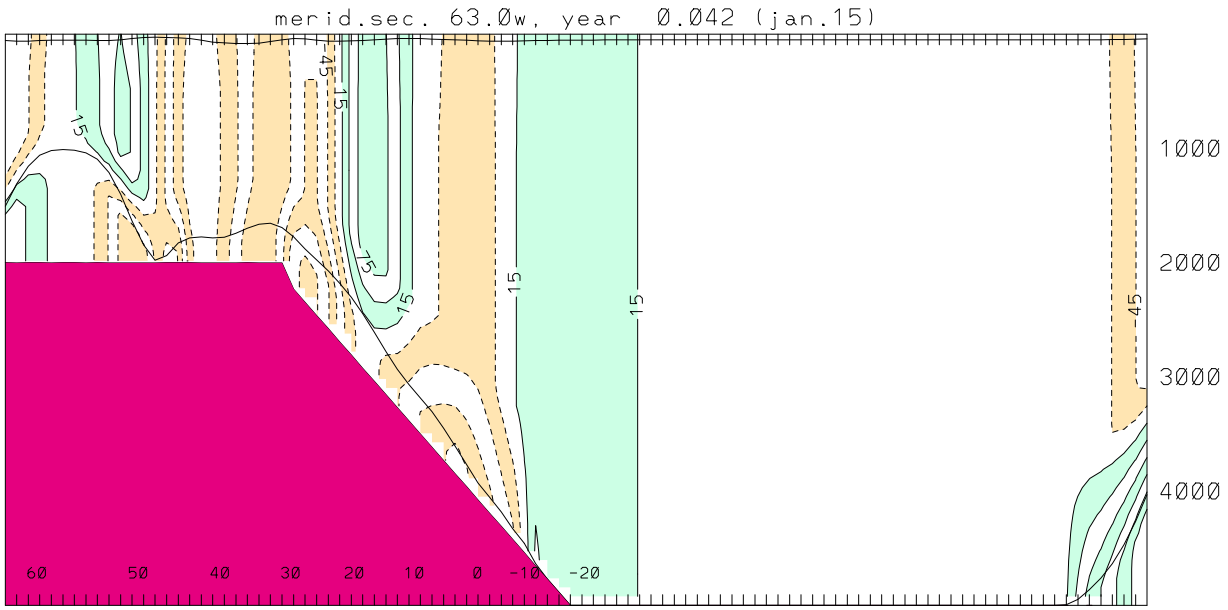
merid.sec. 63.0w, year 0.042 (jan.15)
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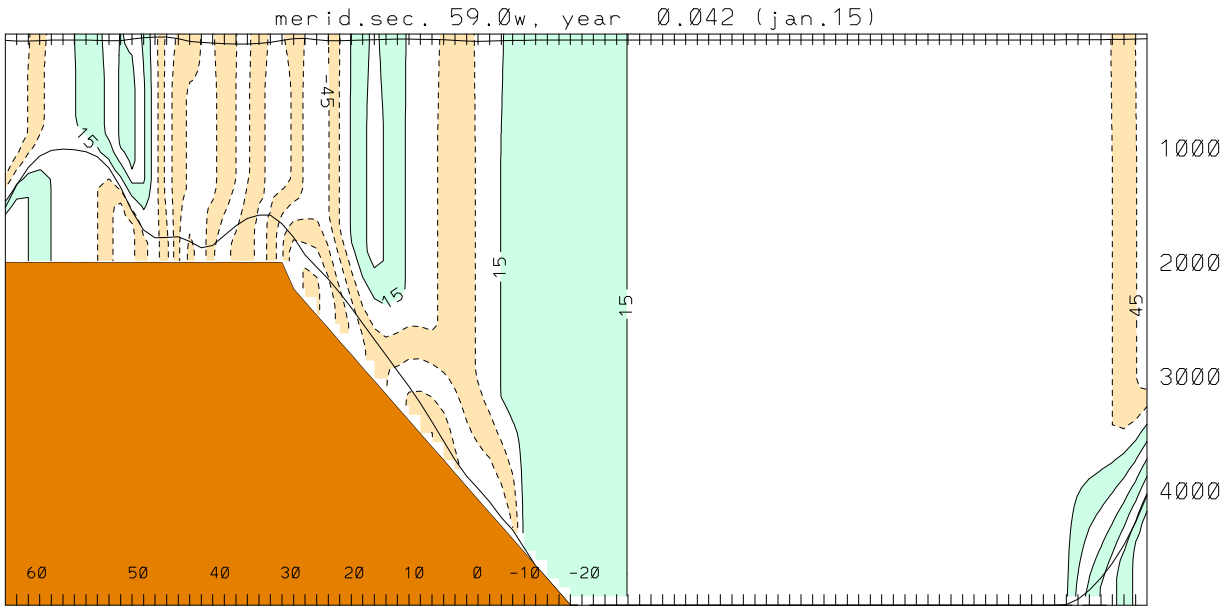
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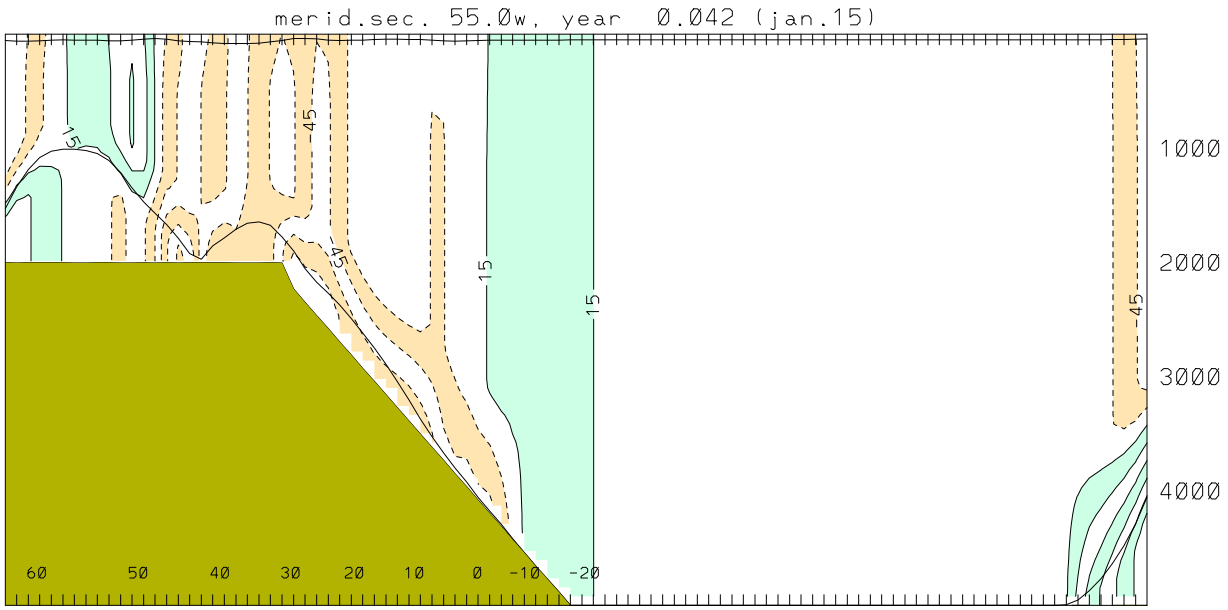
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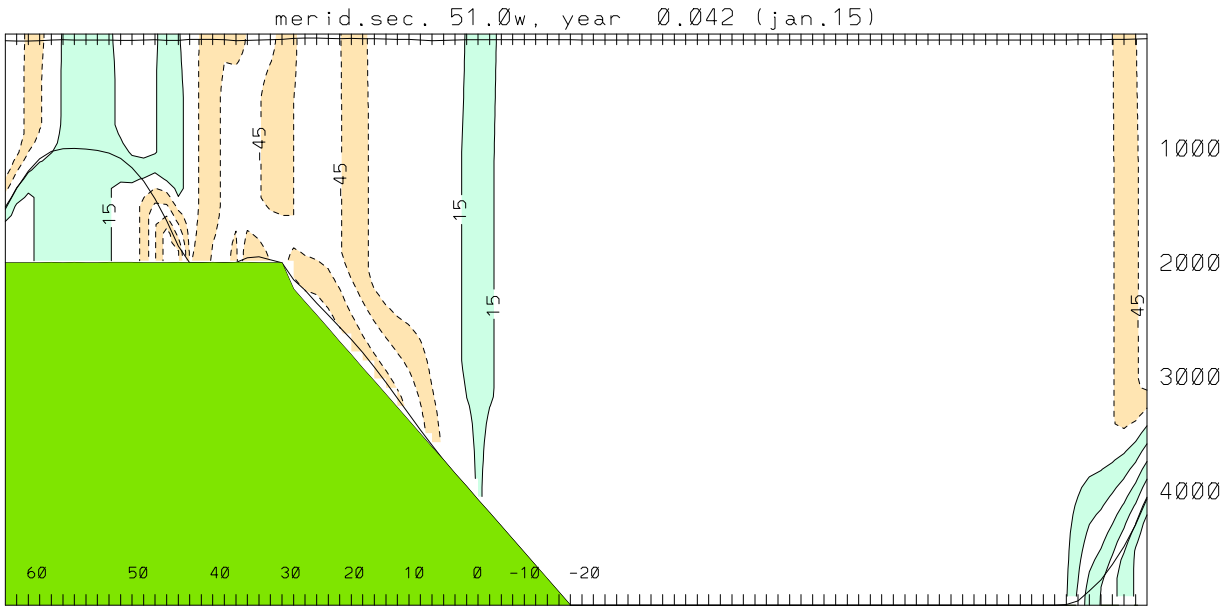
merid.sec. 51.0w, year 0.042 (jan.15)
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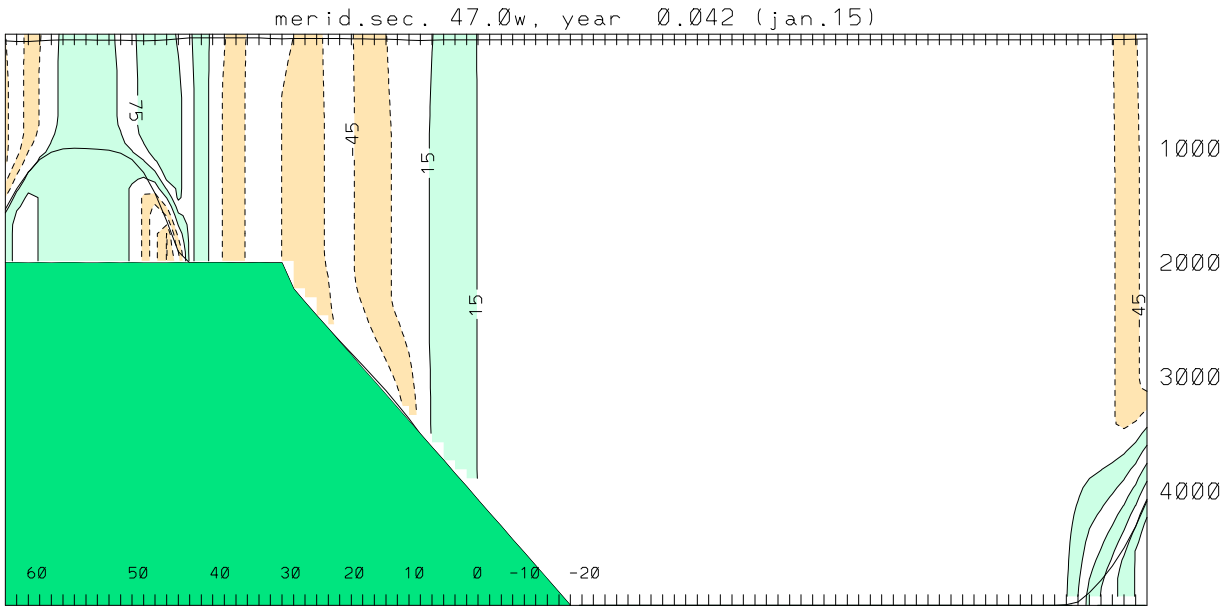
merid.sec. 47.0w, year 0.042 (jan.15)
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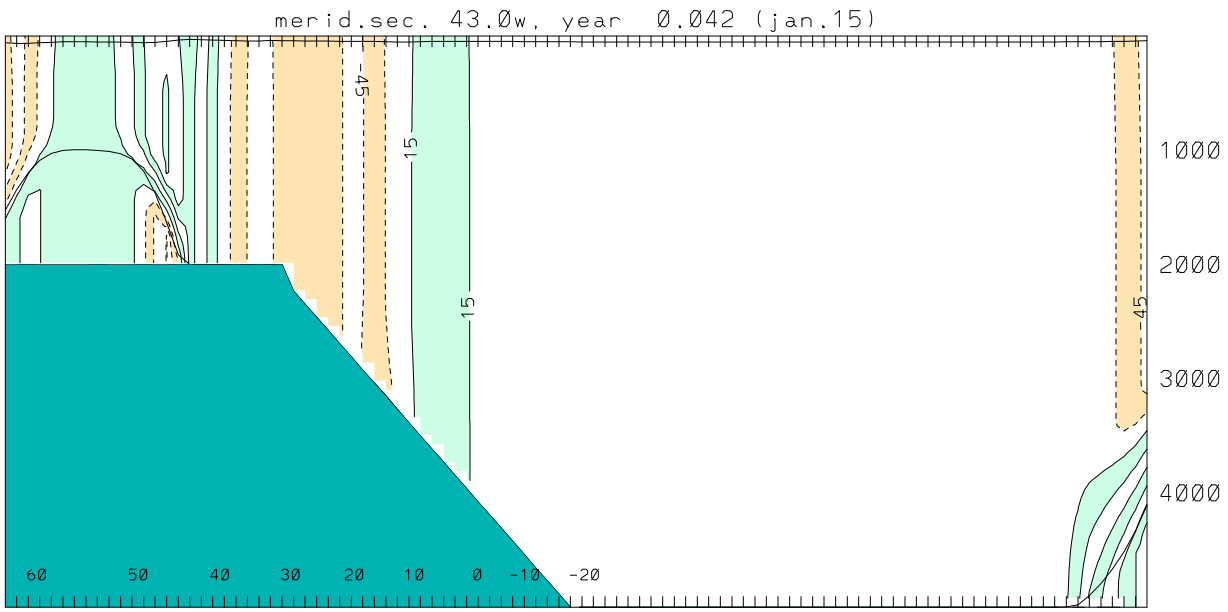
merid.sec. 43.0w, year 0.042 (jan.15)
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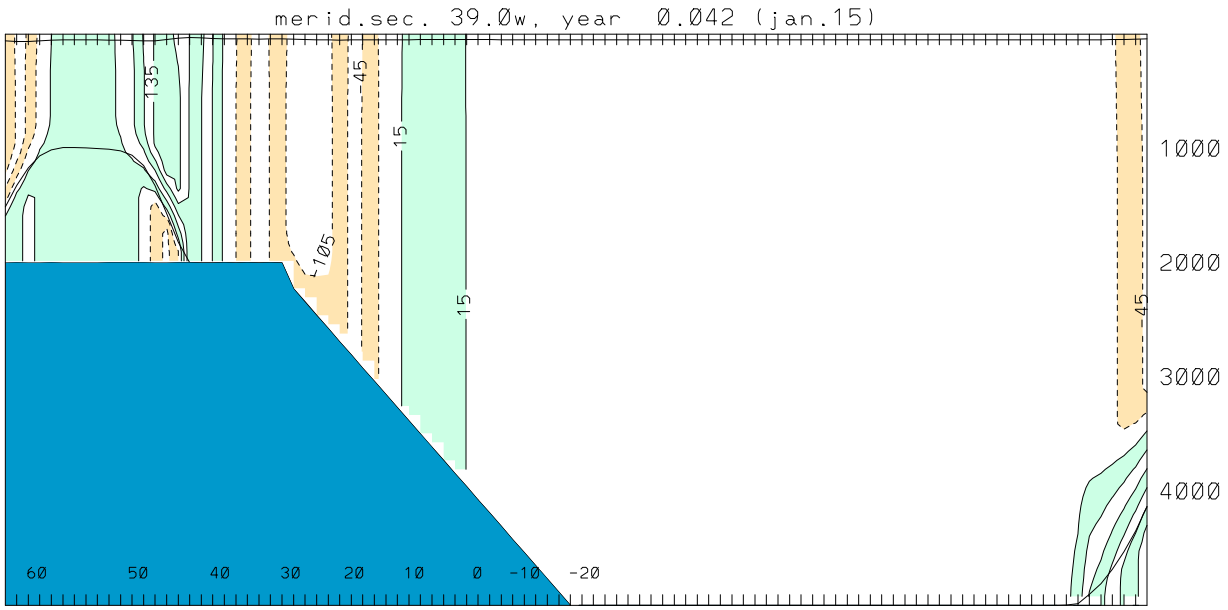
merid.sec. 39.0w, year 0.042 (jan.15)
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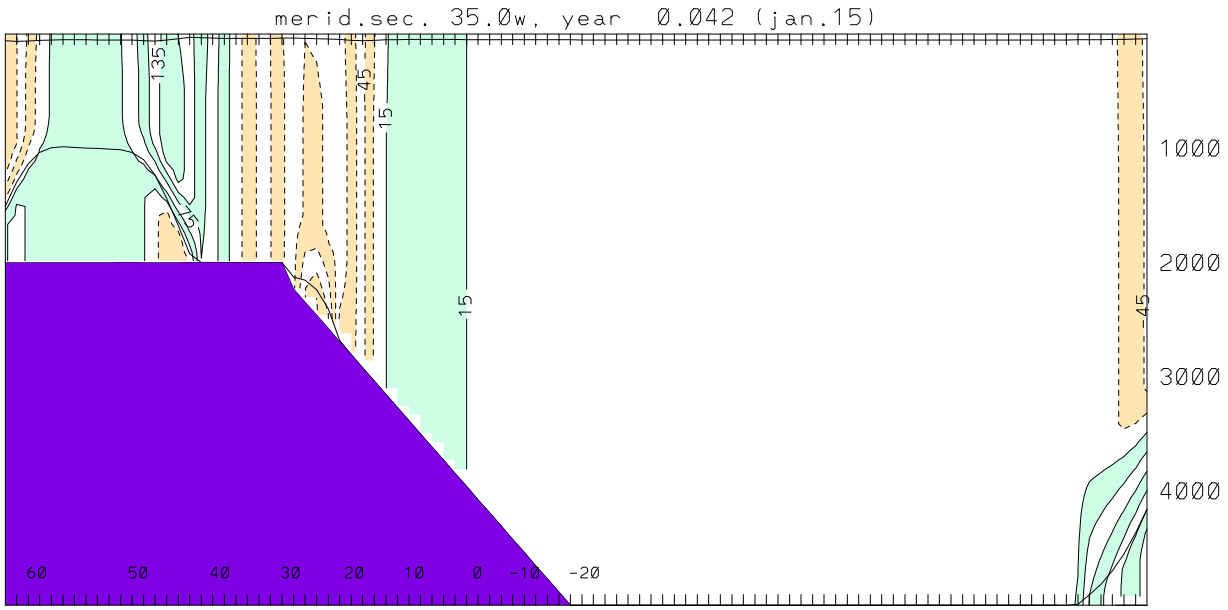
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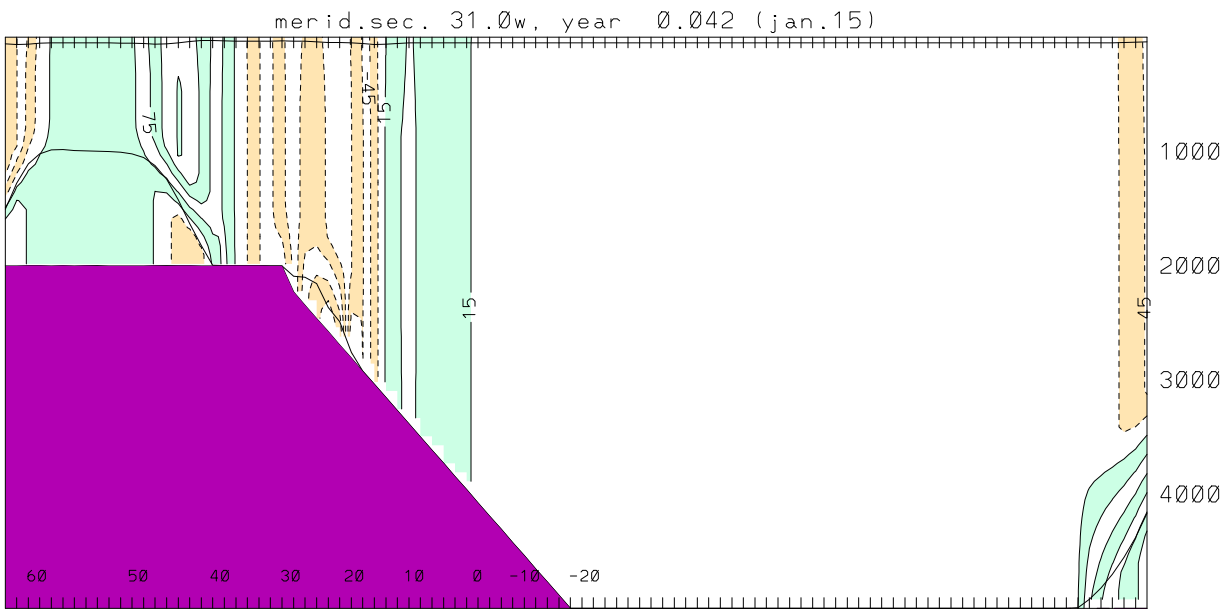
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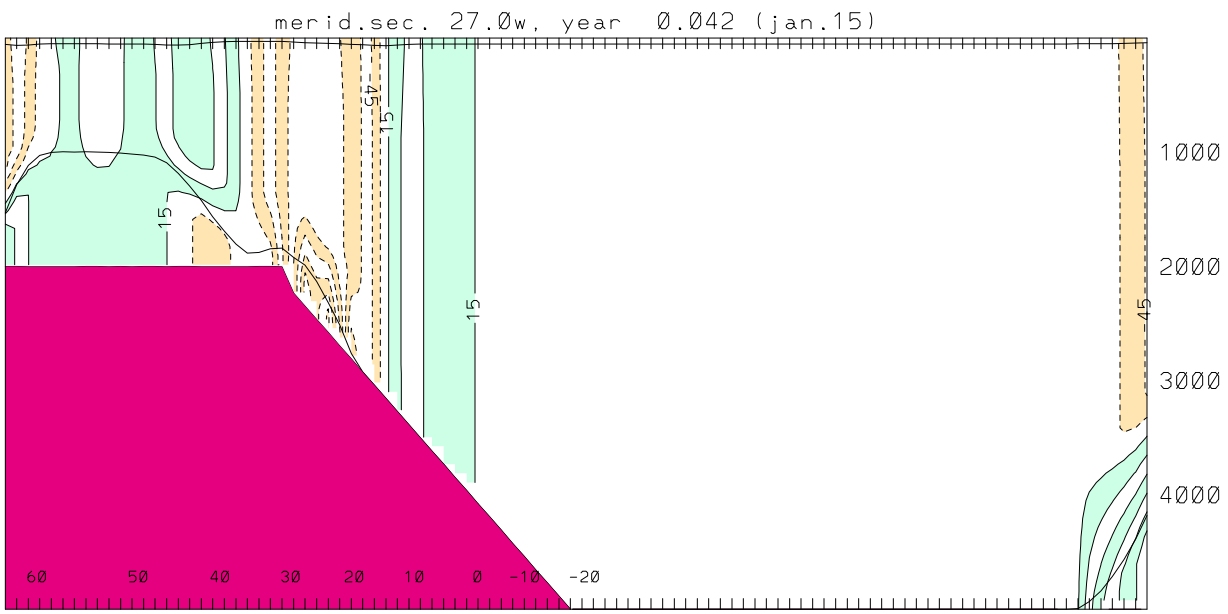
merid.sec. 27.0w, year 0.042 (jan.15)
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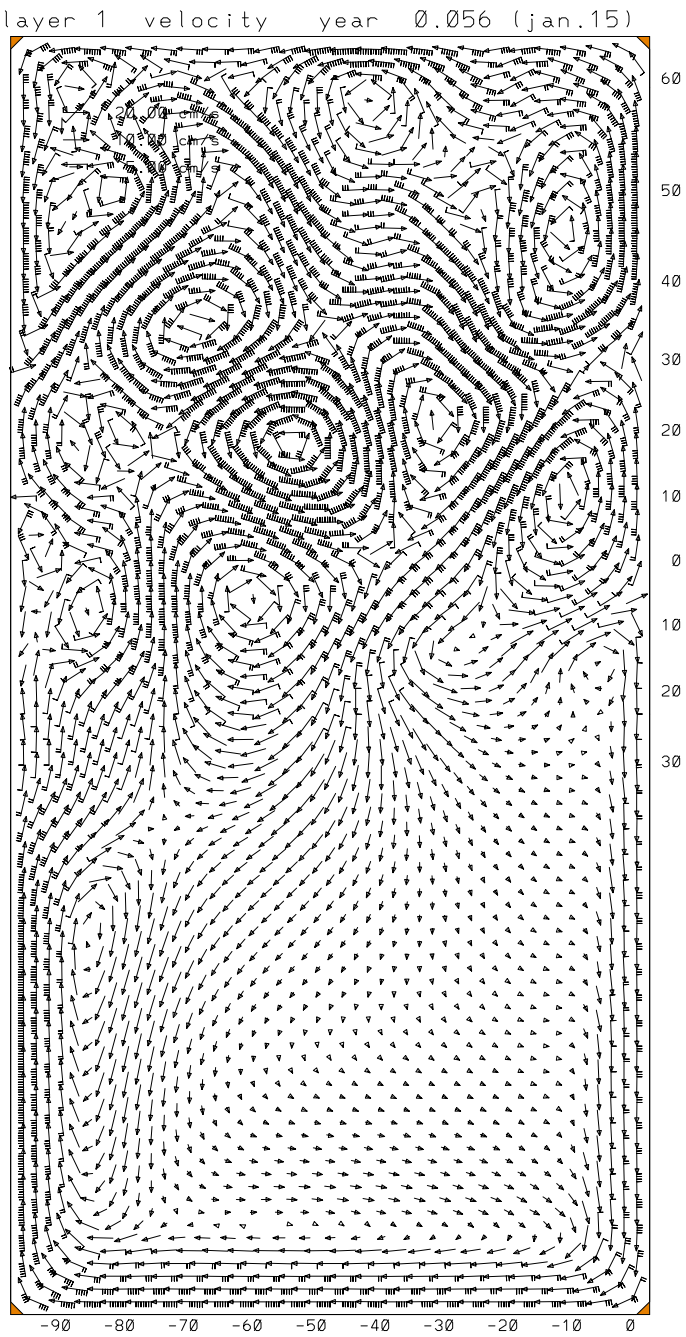
layer 1 velocity year 0.056 (jan.15)
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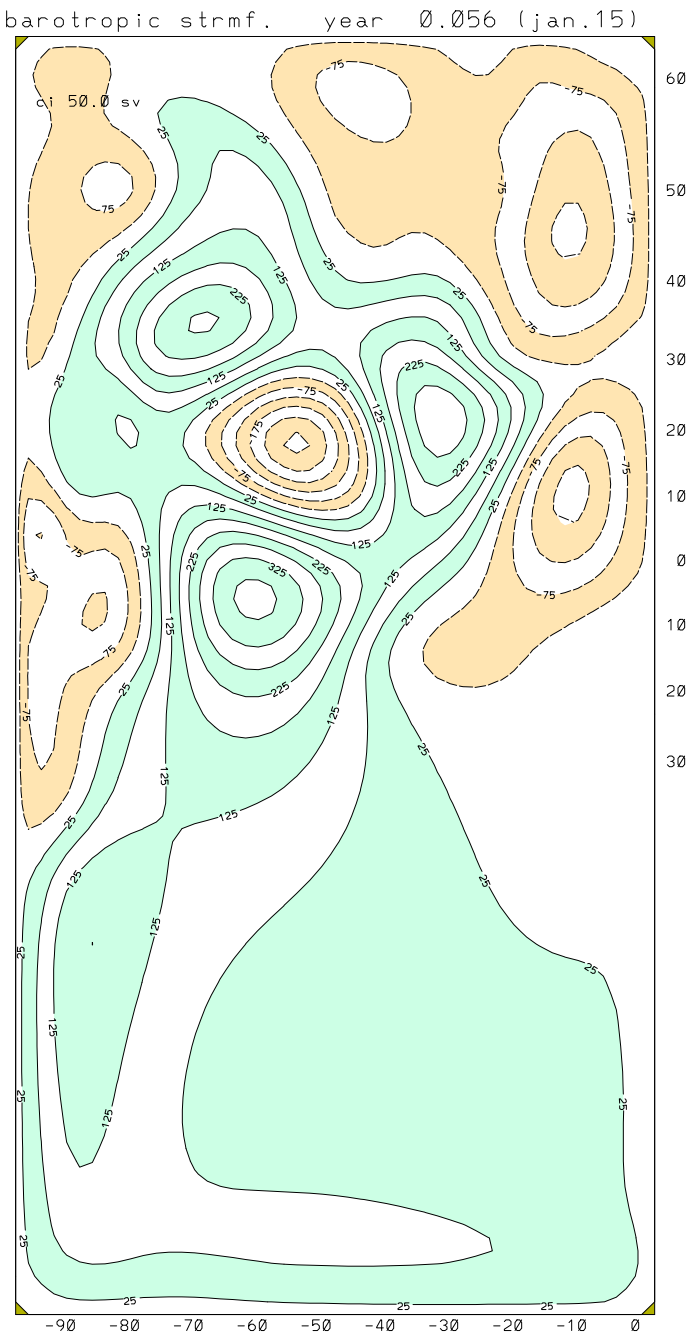
barotropic strmf. year 0.056 (jan.15)
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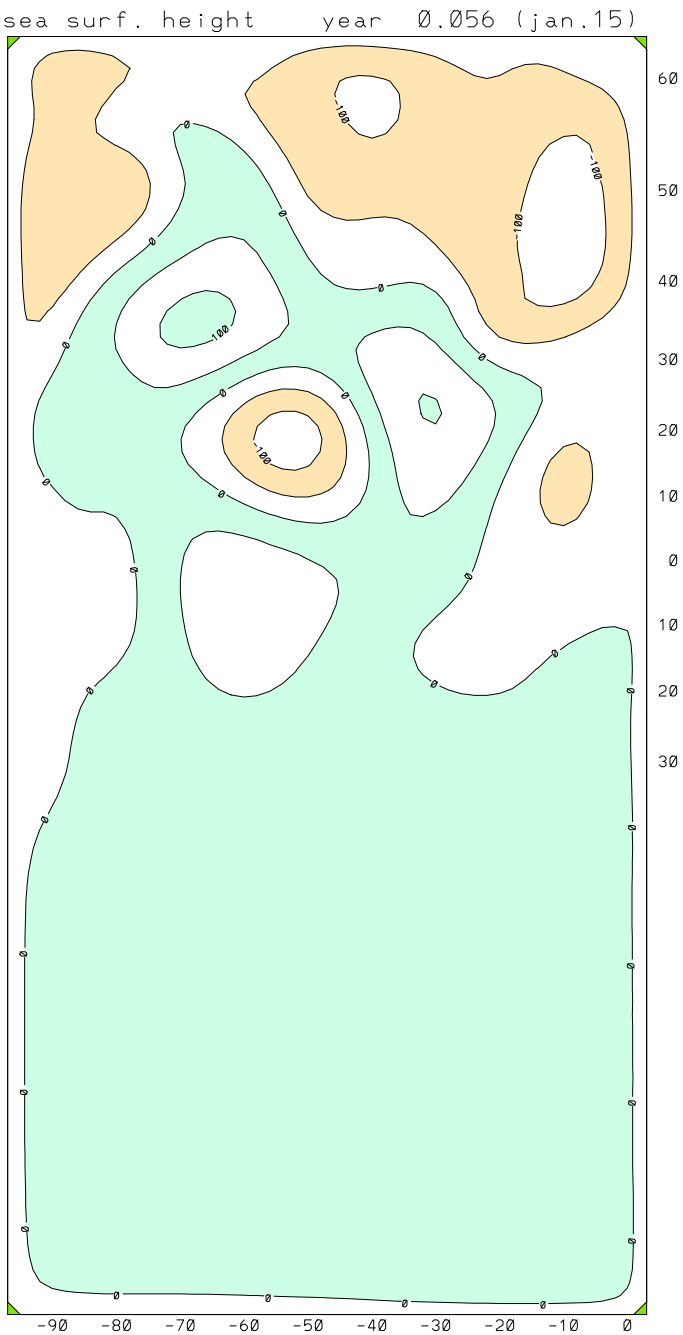
sea surf. height year 0.056 (jan.15)
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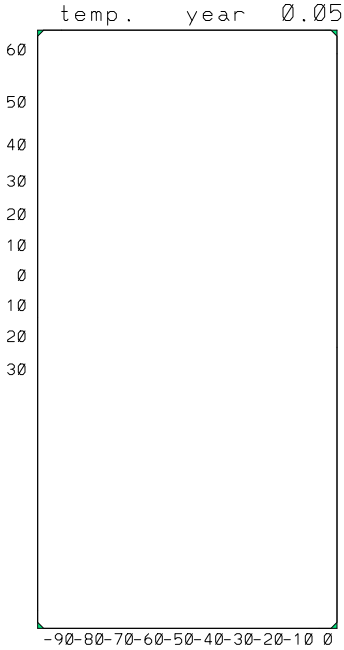
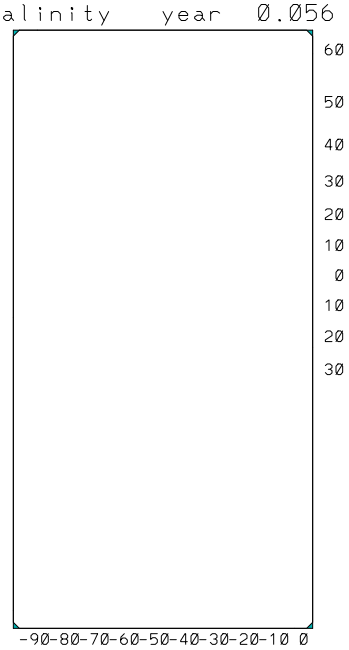
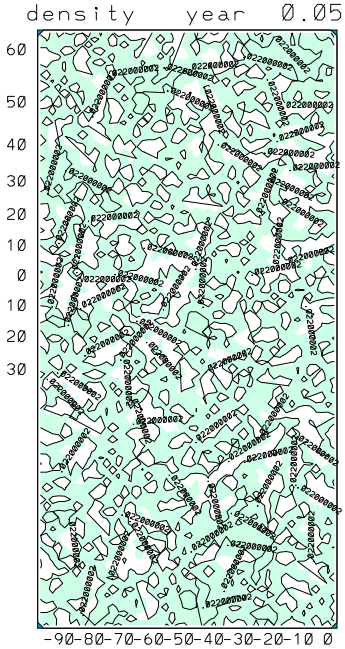
layer 1 temp. year 0.056 (jan.15)



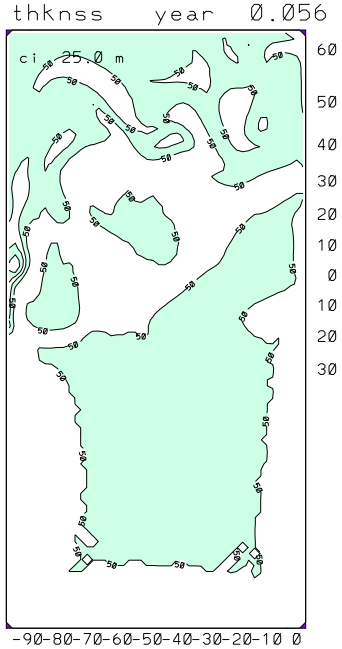
layer 1 salinity year 0.056 (jan.15)



layer 1 density year 0.056 (jan.15)



layer 1 thknss year 0.056 (jan.15)



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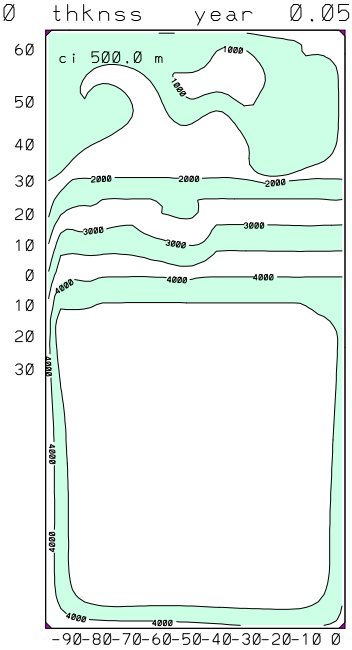

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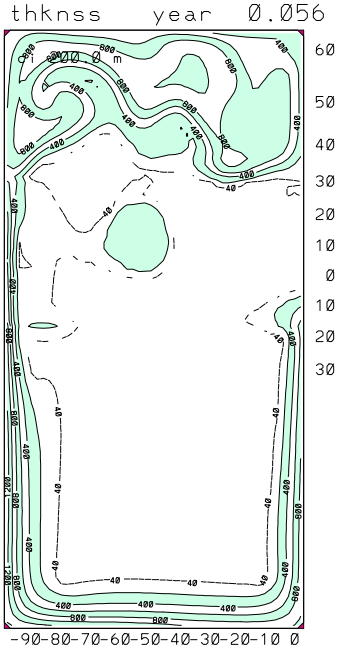
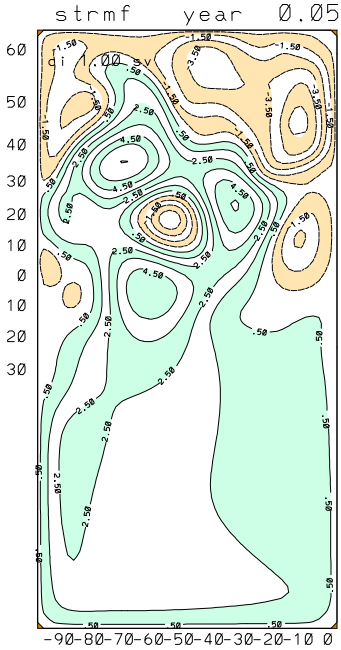


layer 1 strmf year 0.056 (jan.15)



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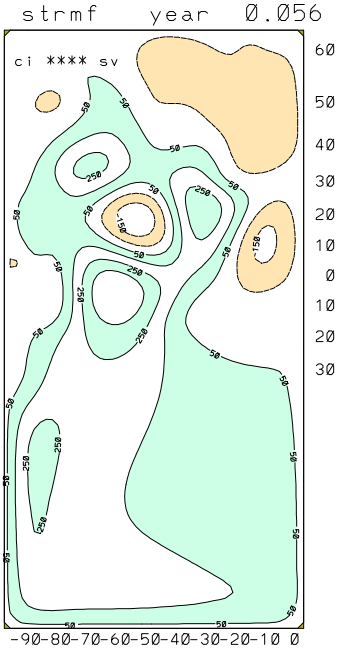

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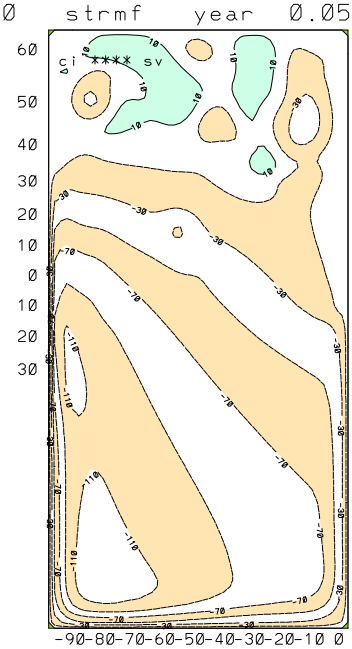

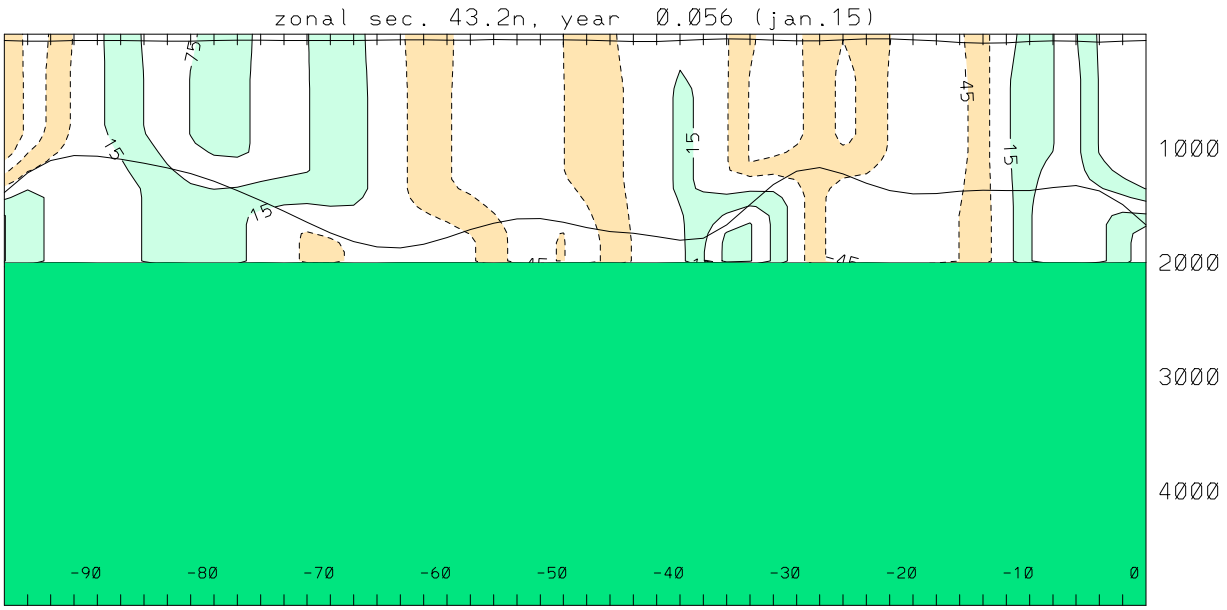
zonal sec. 43.2n, year 0.056 (jan.15)
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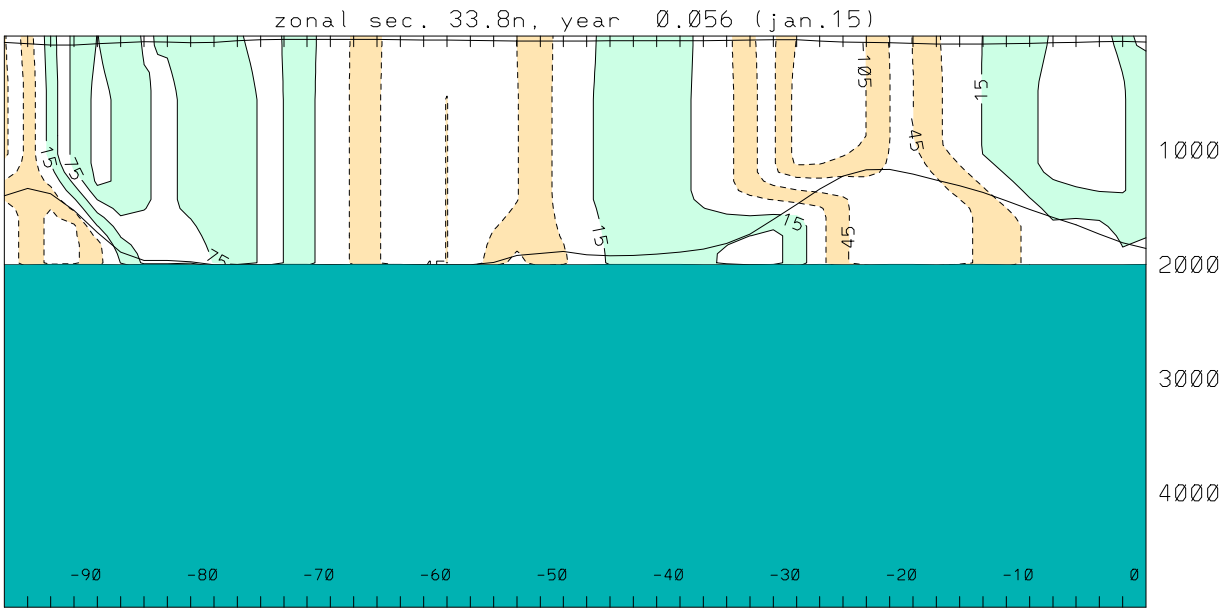
zonal sec. 33.8n, year 0.056 (jan.15)
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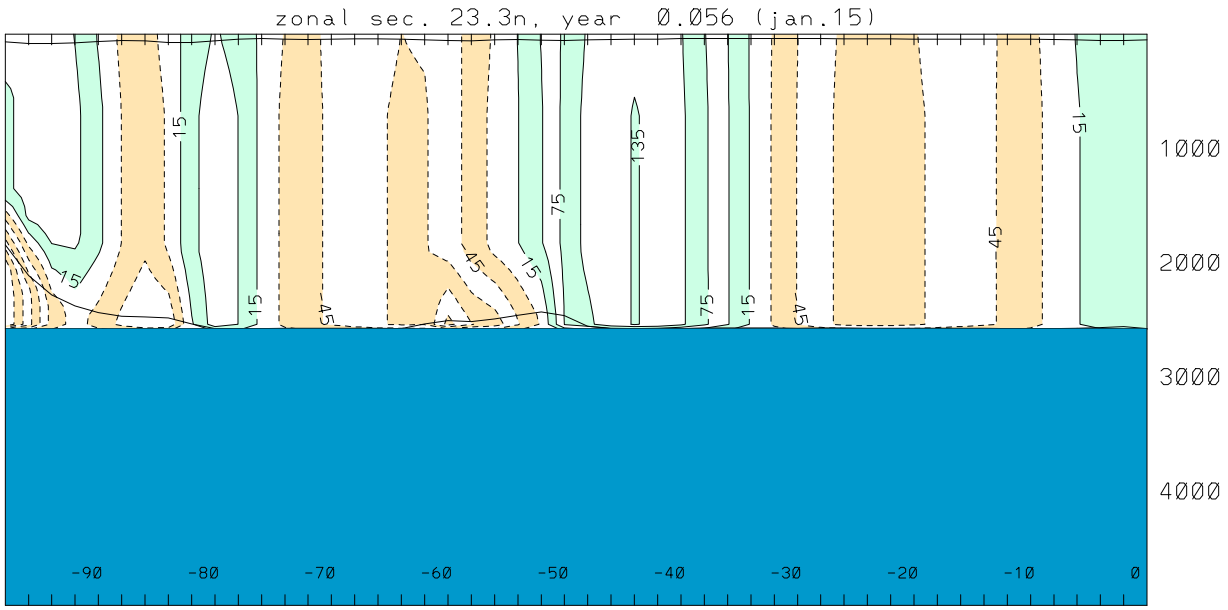
zonal sec. 23.3n, year 0.056 (jan.15)
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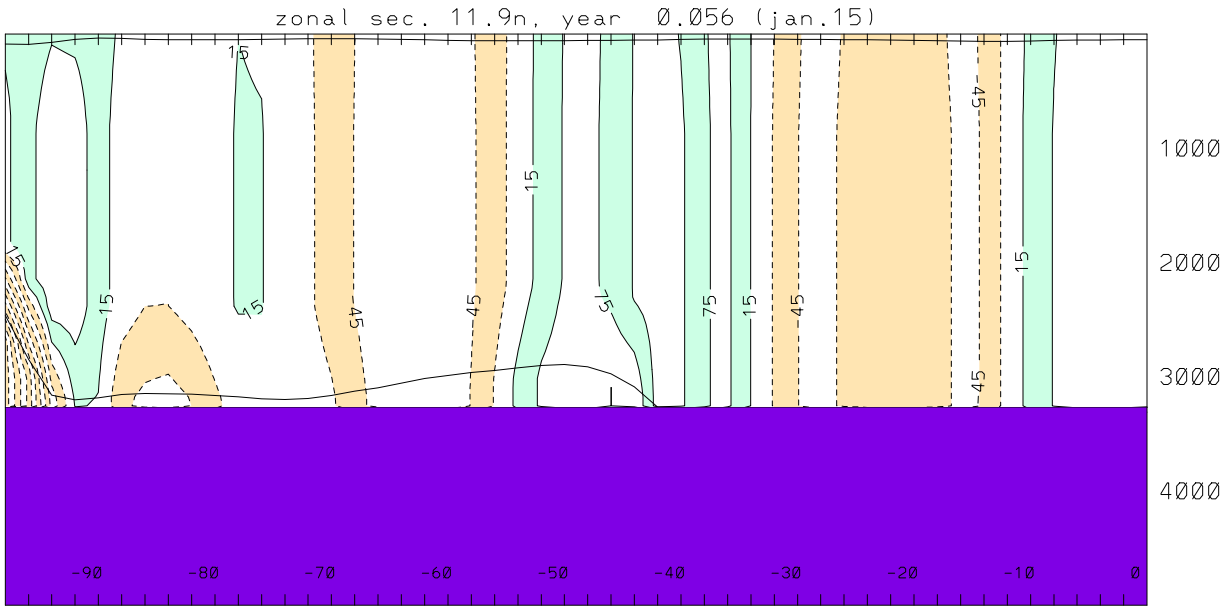
zonal sec. 11.9n, year 0.056 (jan.15)
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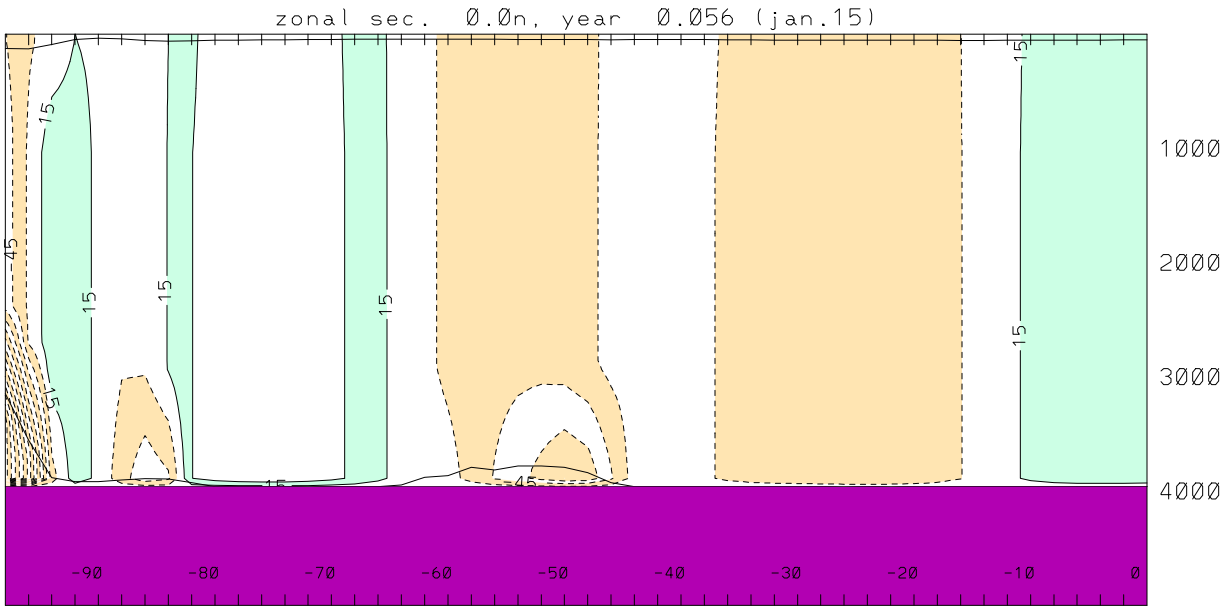
zonal sec. 0.0n, year 0.056 (jan.15)
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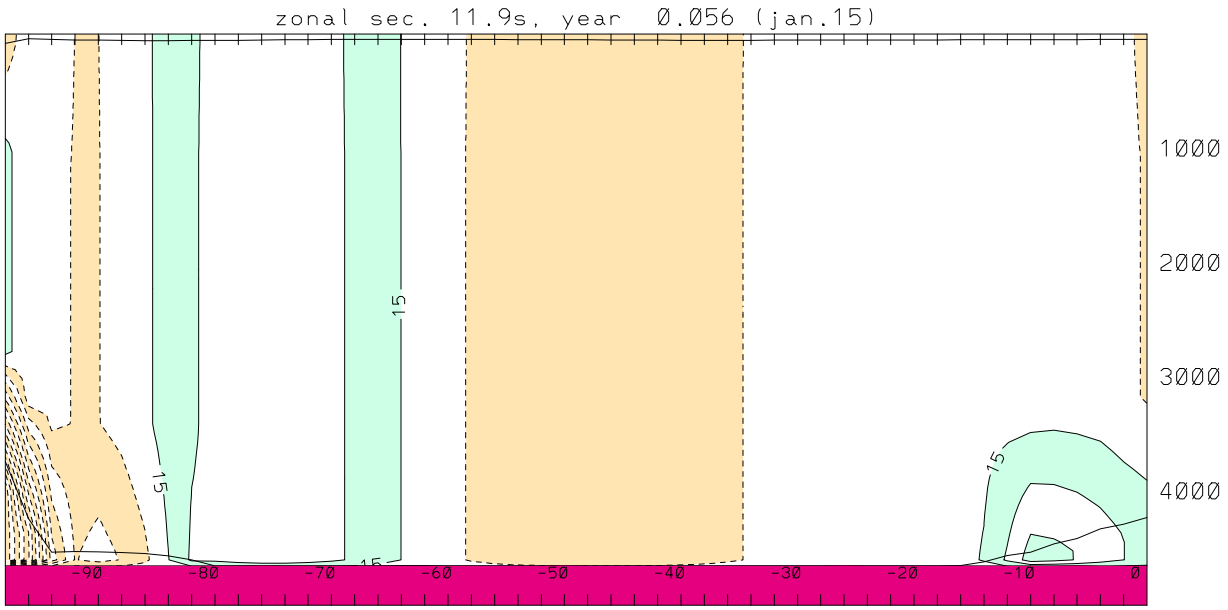
zonal sec. 11.9s, year 0.056 (jan.15)
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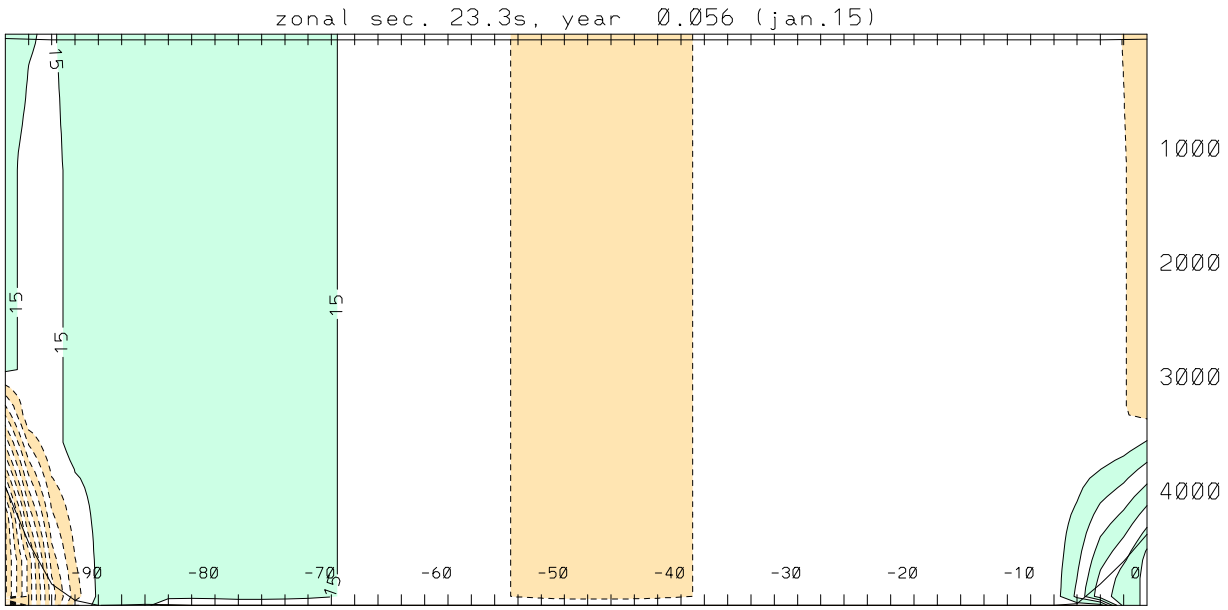
zonal sec. 23.3s, year 0.056 (jan.15)
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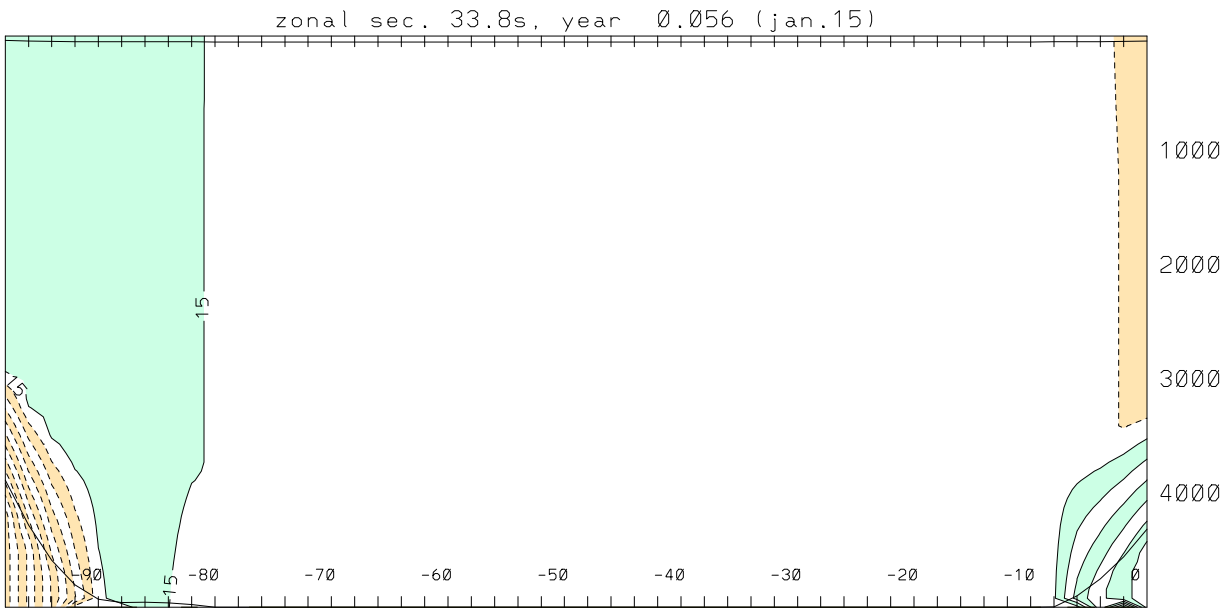
zonal sec. 33.8s, year 0.056 (jan.15)
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-20
-10
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3000
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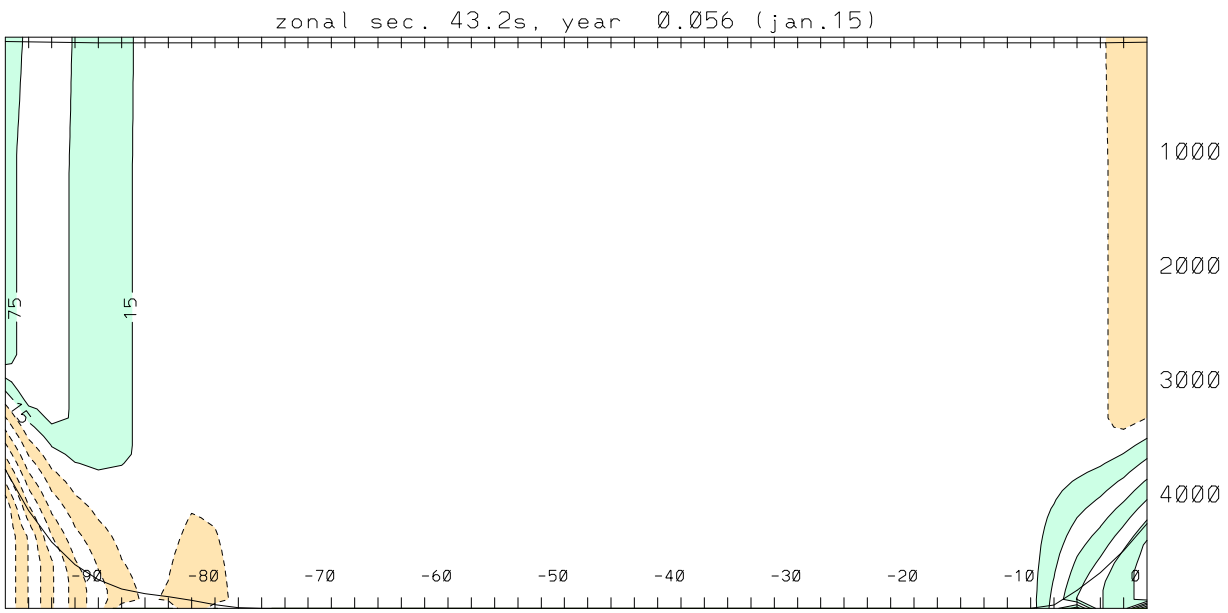
zonal sec. 43.2s, year 0.056 (jan.15)
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-20
-10
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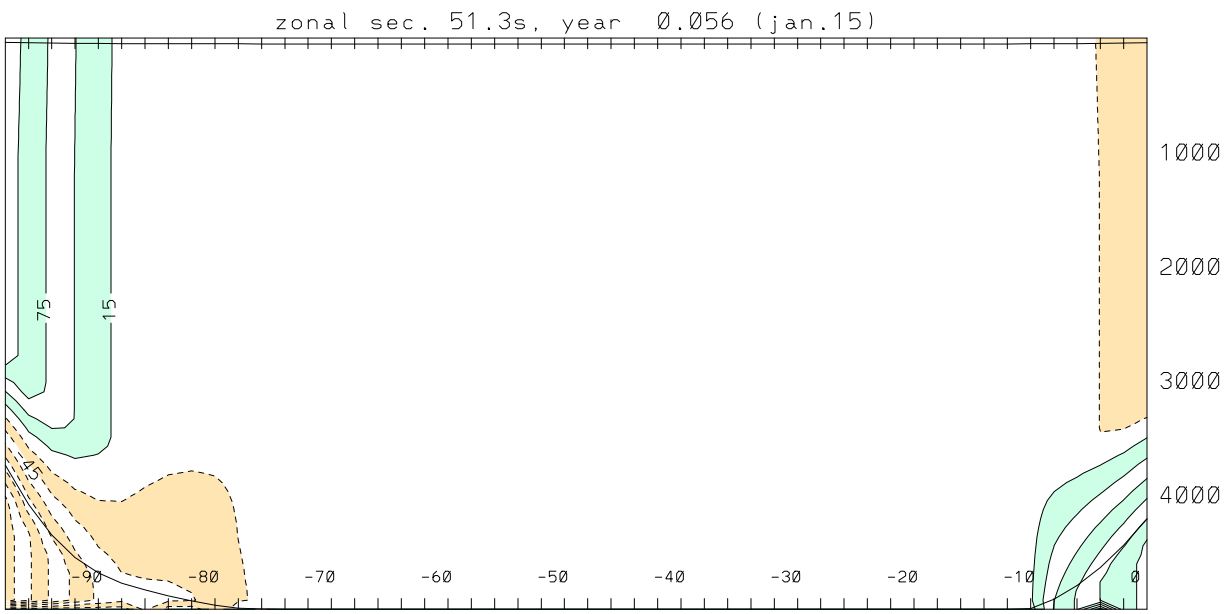
zonal sec. 51.3s, year 0.056 (jan.15)
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-10
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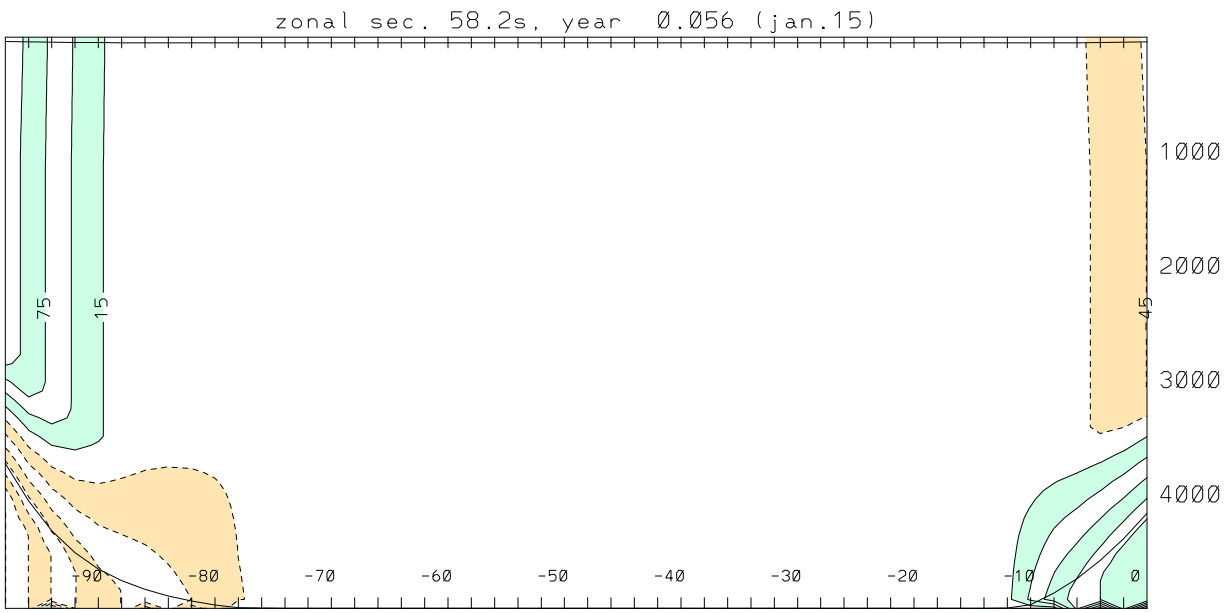
zonal sec. 58.2s, year 0.056 (jan.15)
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-10
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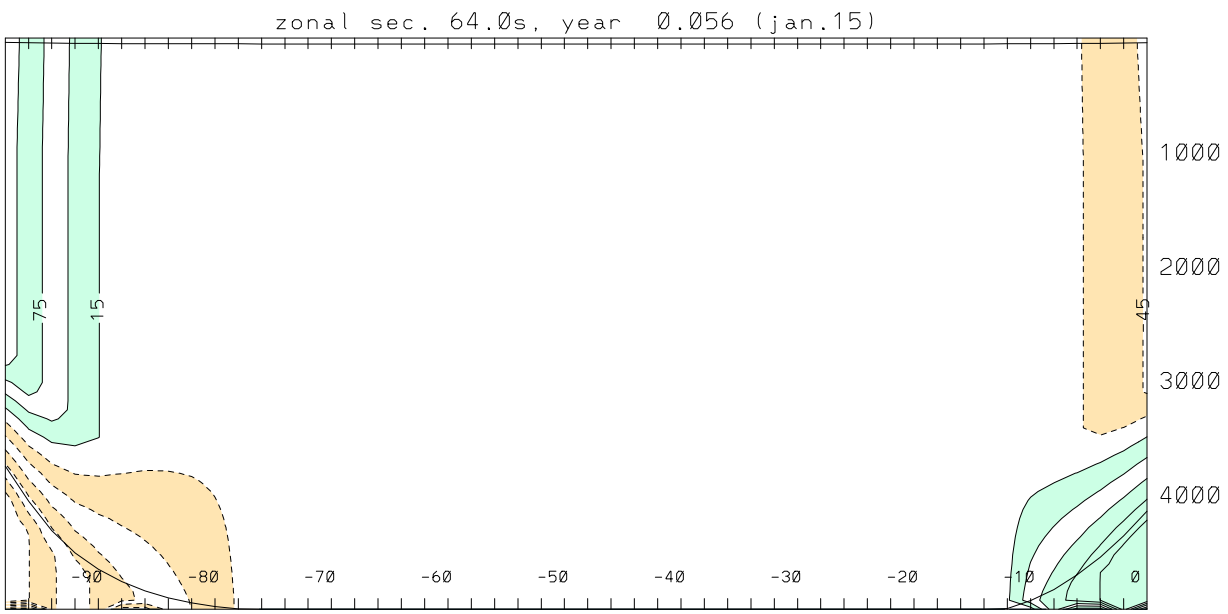
zonal sec. 64.0s, year 0.056 (jan.15)
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-20
-10
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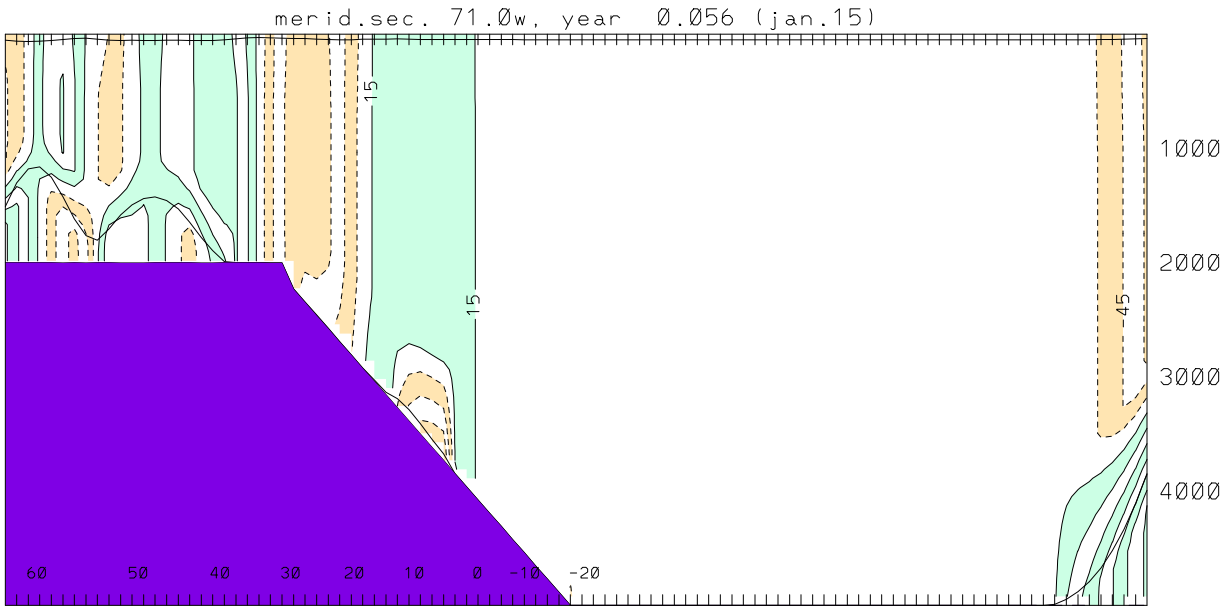
merid.sec. 71.0w, year 0.056 (jan.15)
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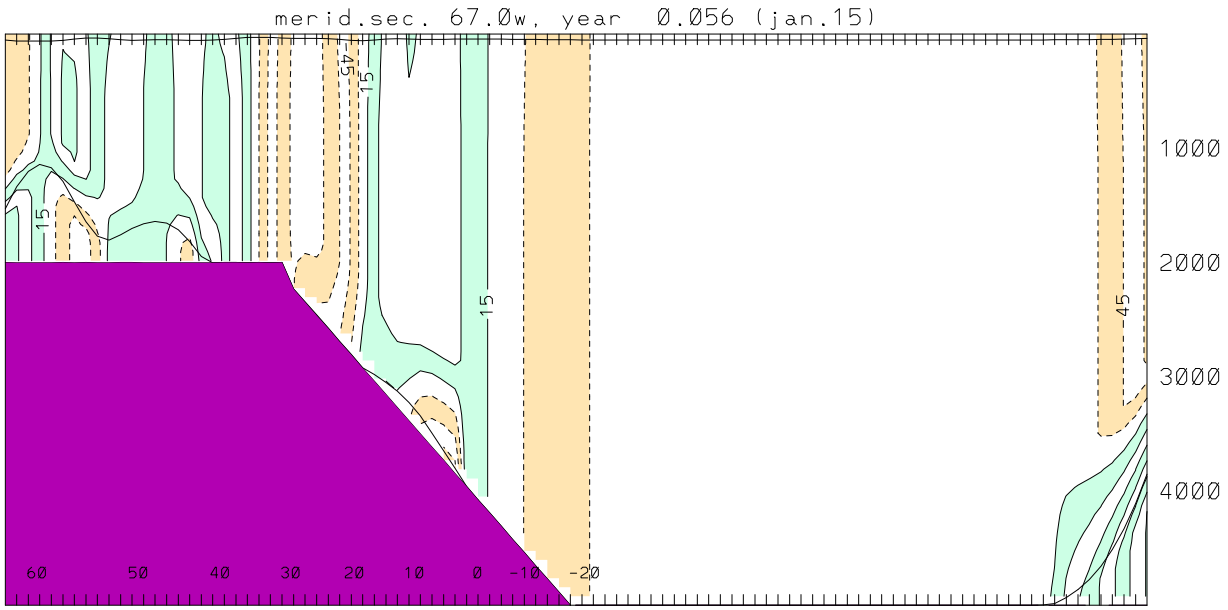
-20


merid.sec. 67.0w, year 0.056 (jan.15)
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15
45
1000
2000
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4000
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50
40
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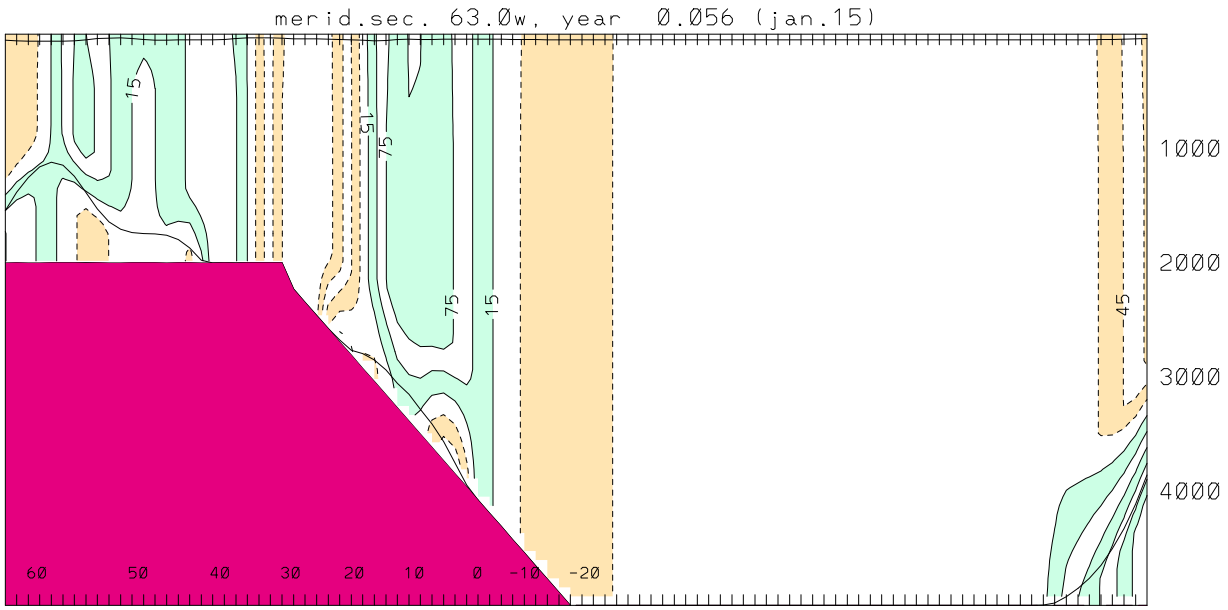
0
-10
-20


merid.sec. 63.0w, year 0.056 (jan.15)
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15
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75
15
45
1000
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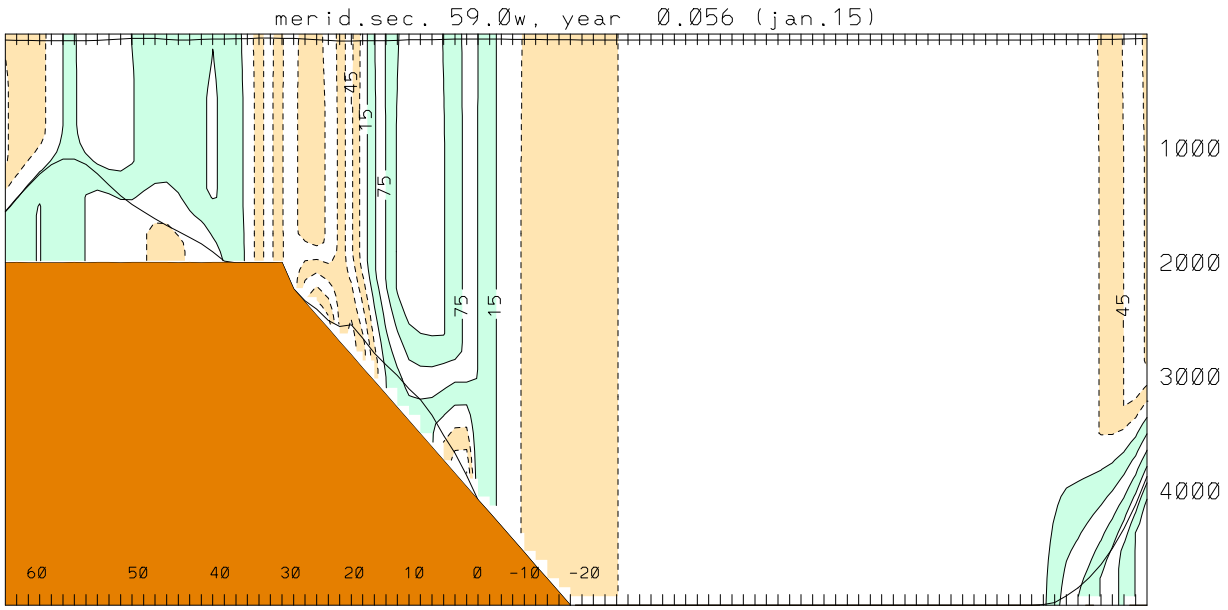
0
-10
-20


merid.sec. 59.0w, year 0.056 (jan.15)
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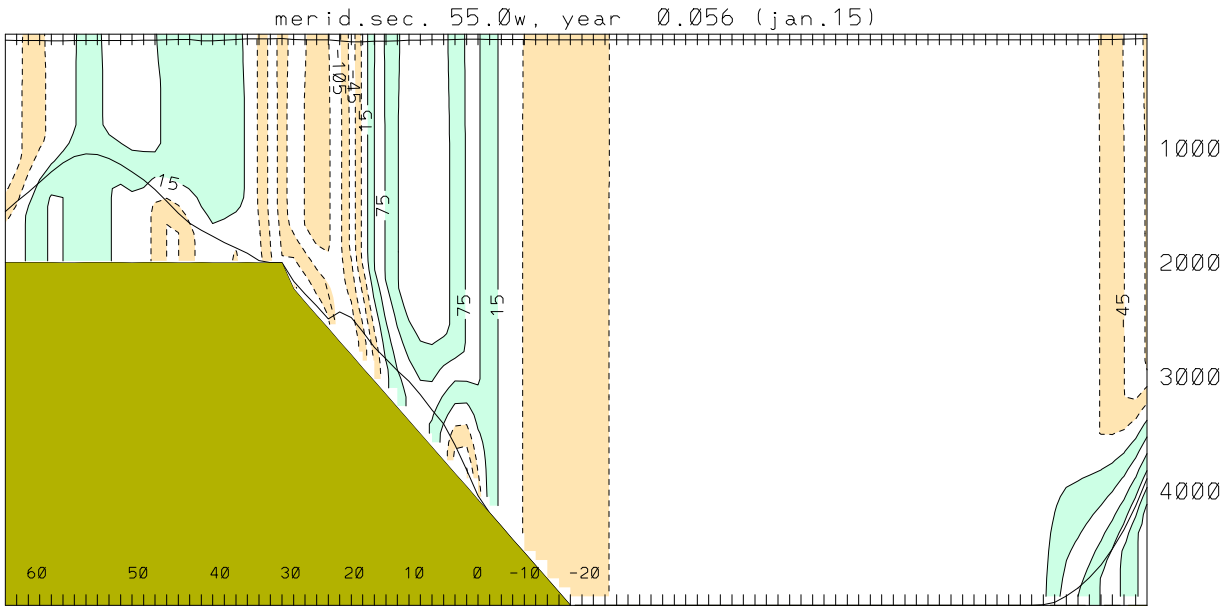
merid.sec. 55.0w, year 0.056 (jan.15)
-105
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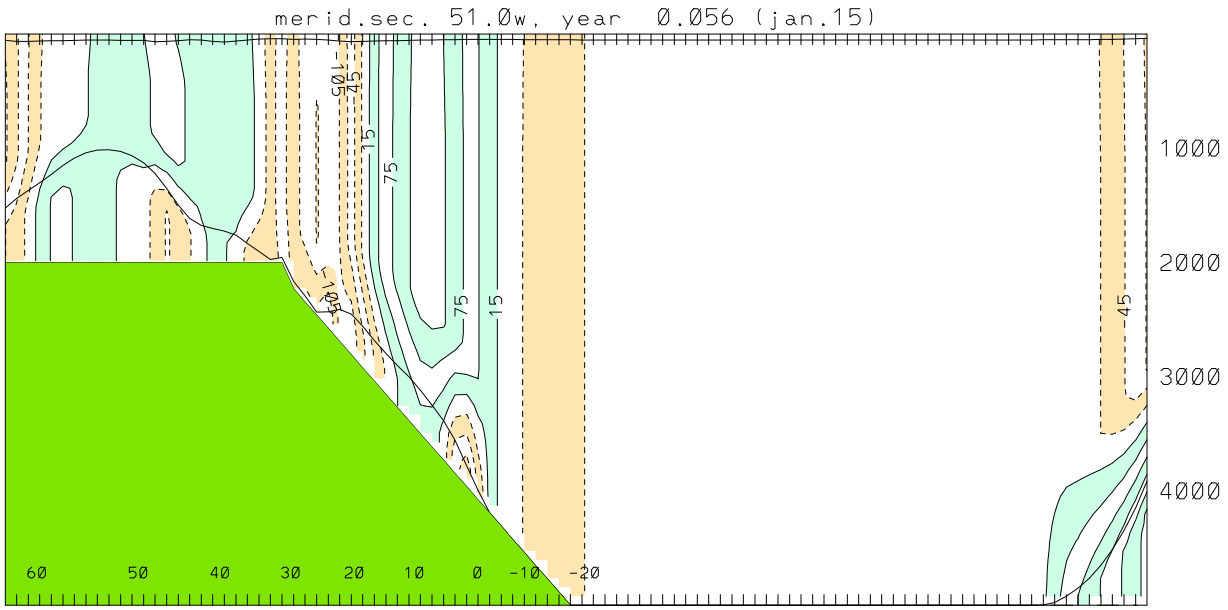
0
-10
-20


merid.sec. 51.0w, year 0.056 (jan.15)
-105
-45
15
75
-105
75
15
45
1000
2000
3000
4000
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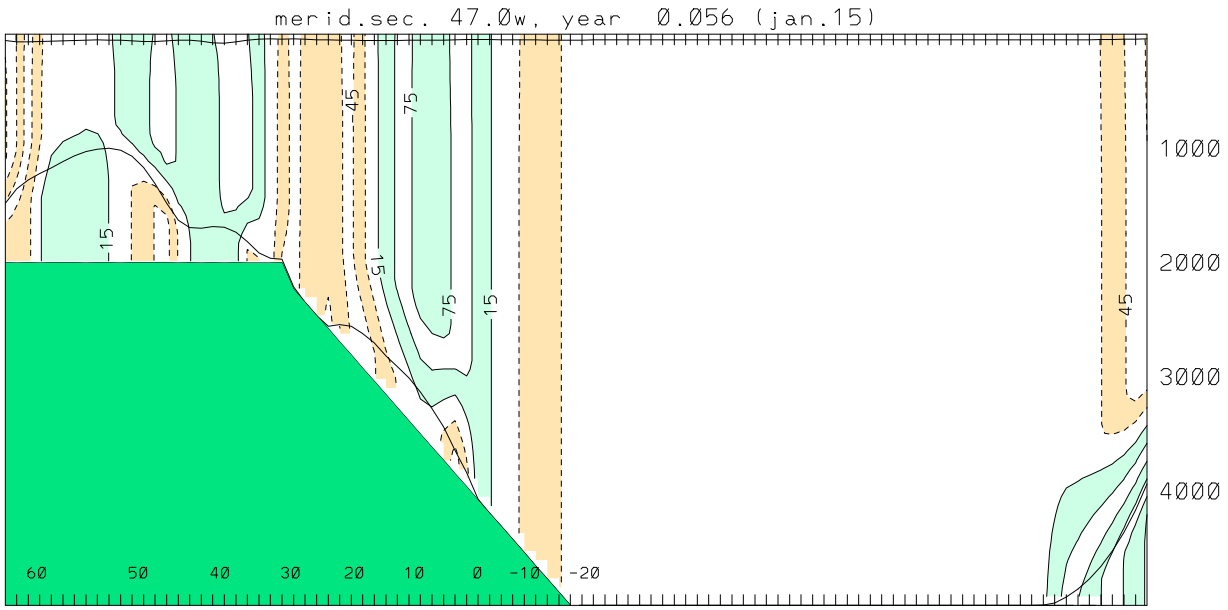
0
-10
-20


merid.sec. 47.0w, year 0.056 (jan.15)
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75
15
45
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2000
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4000
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40
30
20
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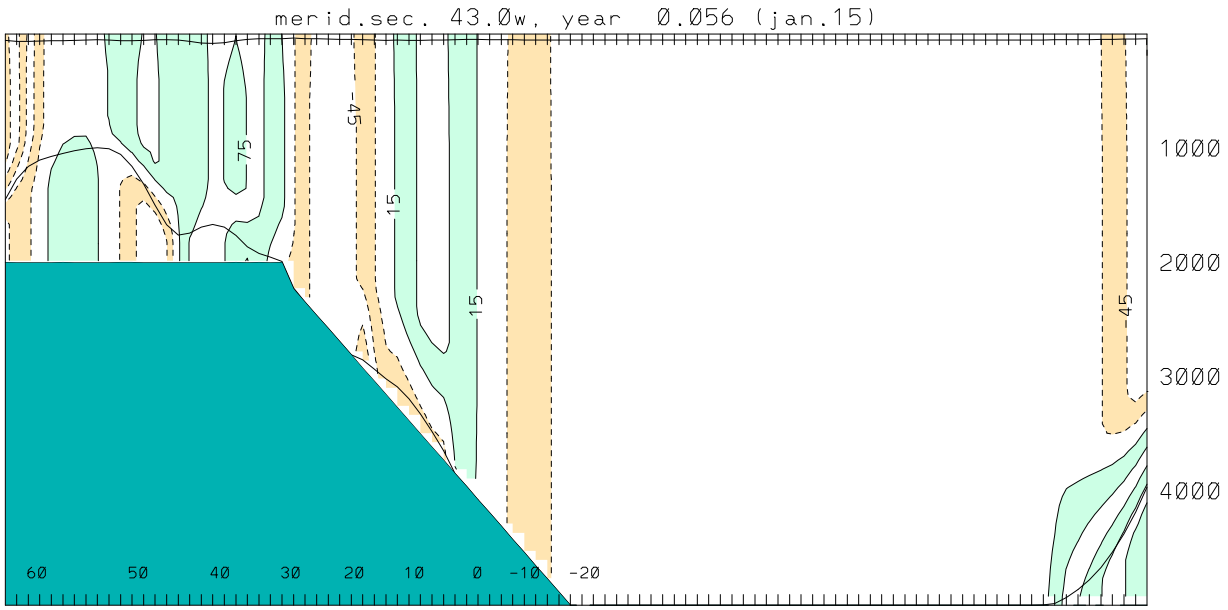
0
-10
-20


merid.sec. 43.0w, year 0.056 (jan.15)
75
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15
45
1000
2000
3000
4000
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40
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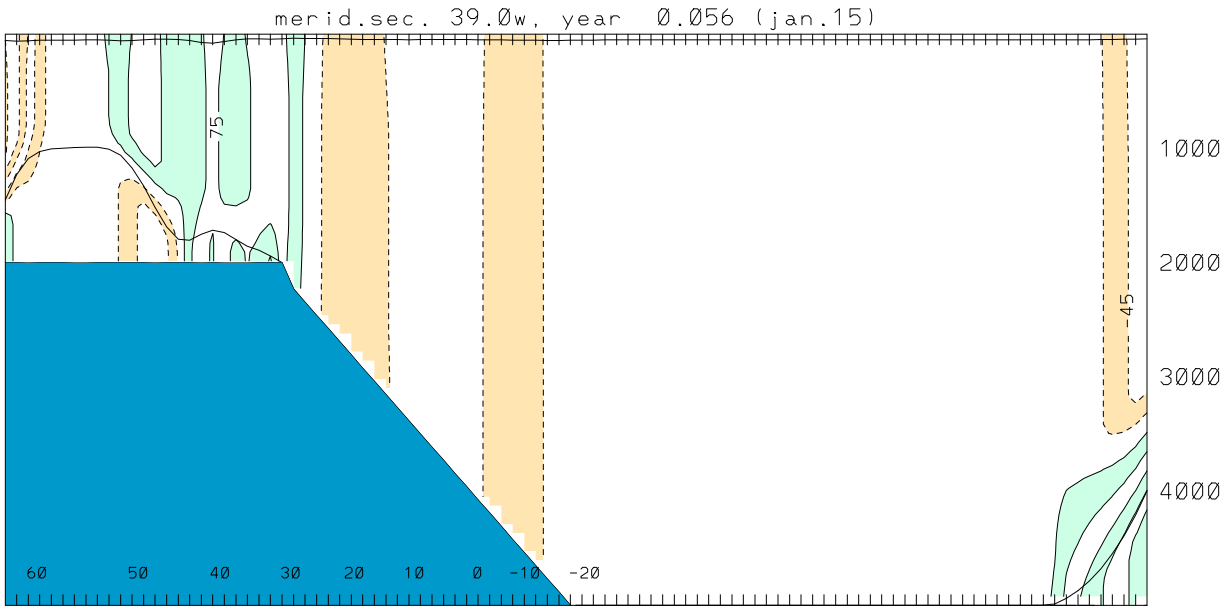
0
-10
-20


merid.sec. 39.0w, year 0.056 (jan.15)
75
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4000
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40
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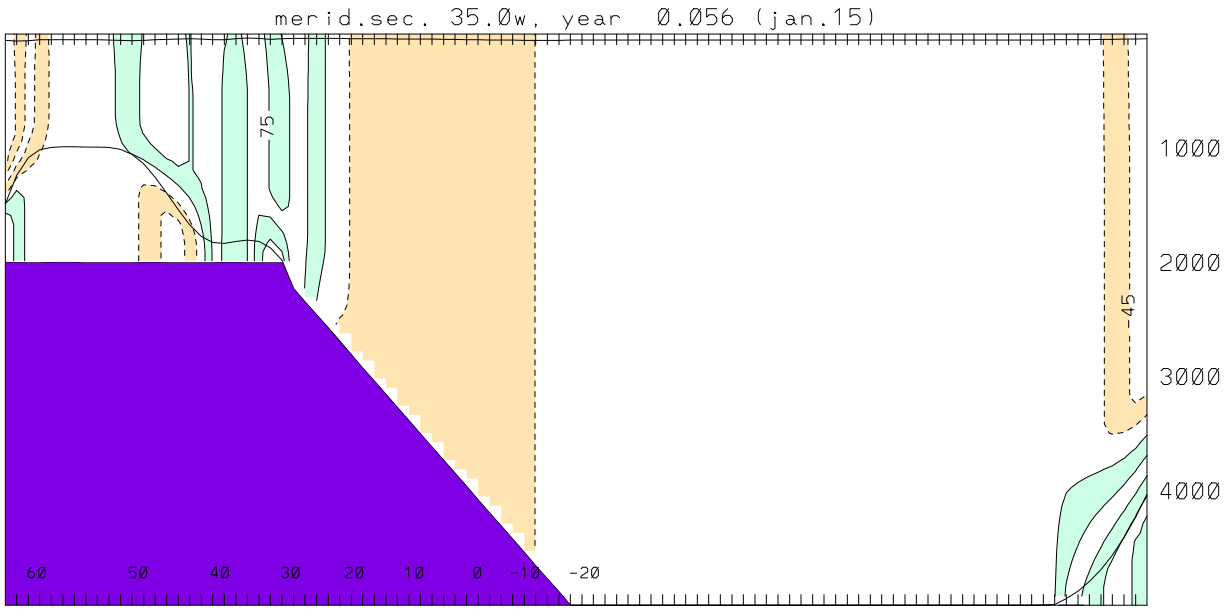
0
-10
-20


merid.sec. 35.0w, year 0.056 (jan.15)
75
45
1000
2000
3000
4000
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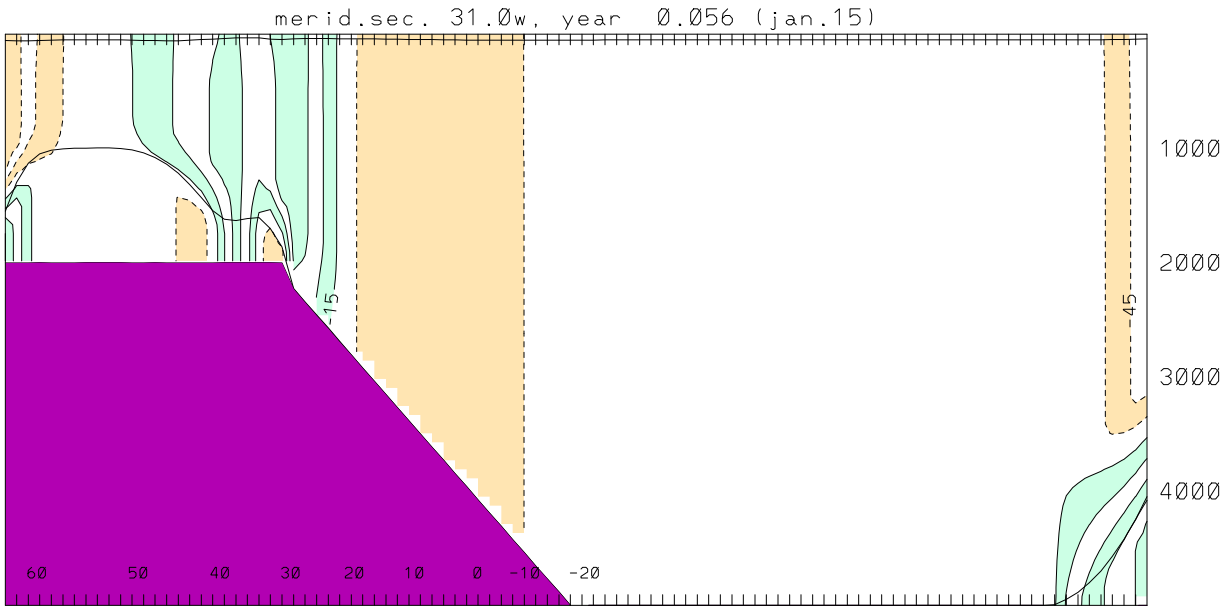
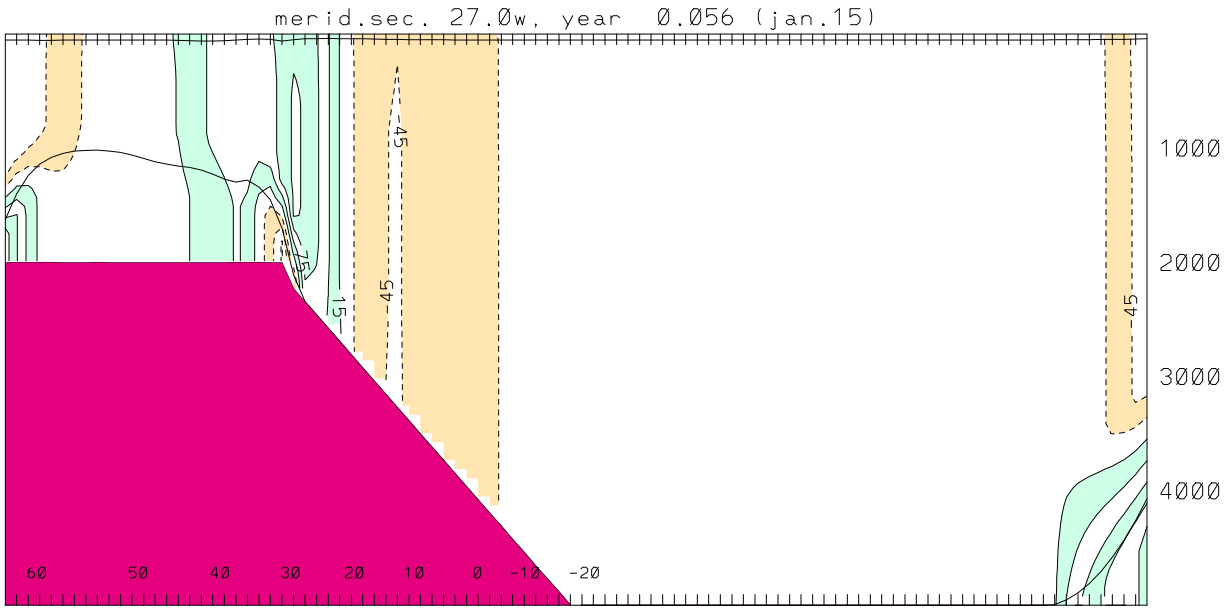
40
30
20
10
0
-10
-20


merid.sec. 31.0w, year 0.056 (jan.15)
1000
2000
3000
4000
15
-45
60
50
40
30
20
10
0
-10
-20


merid.sec. 27.0w, year 0.056 (jan.15)
1000
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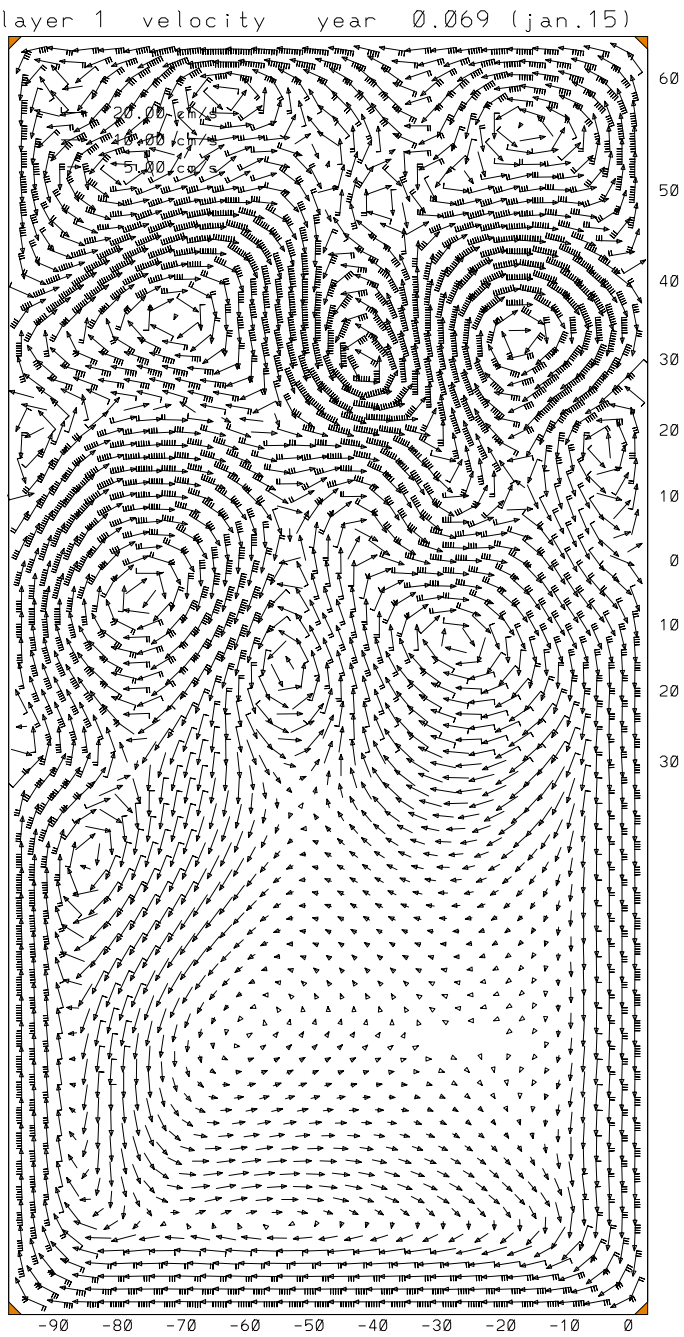
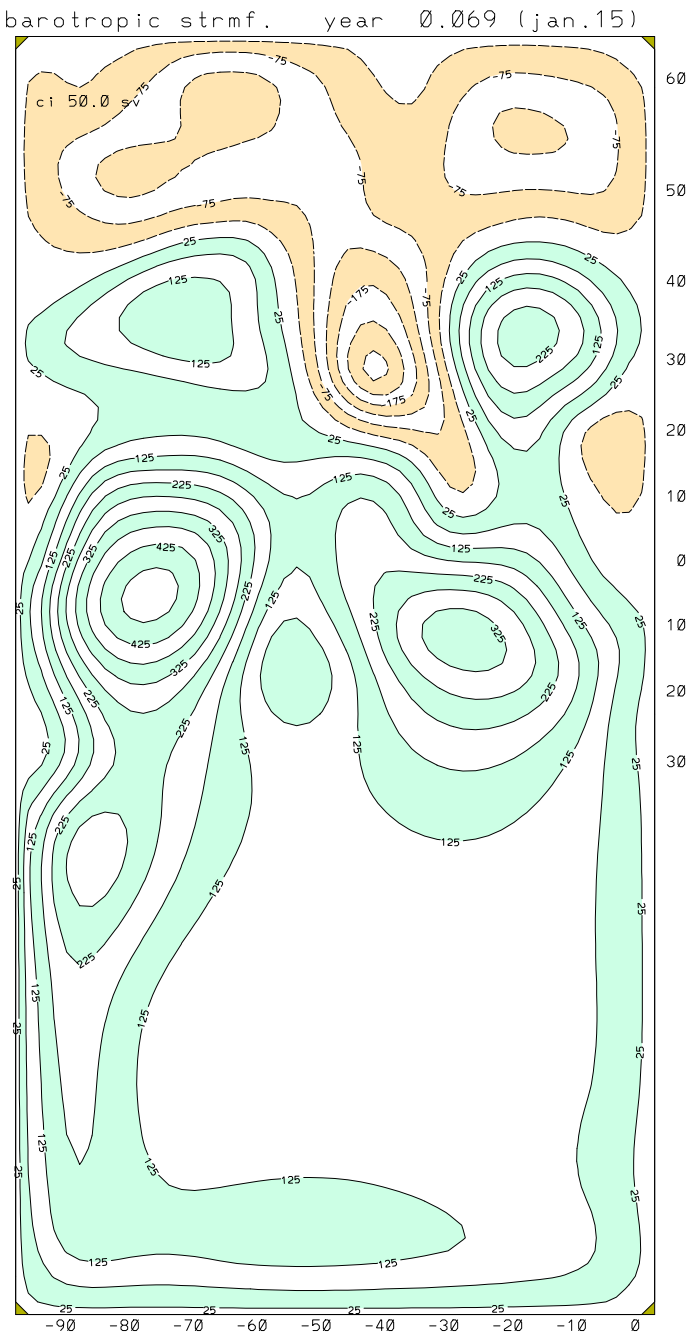
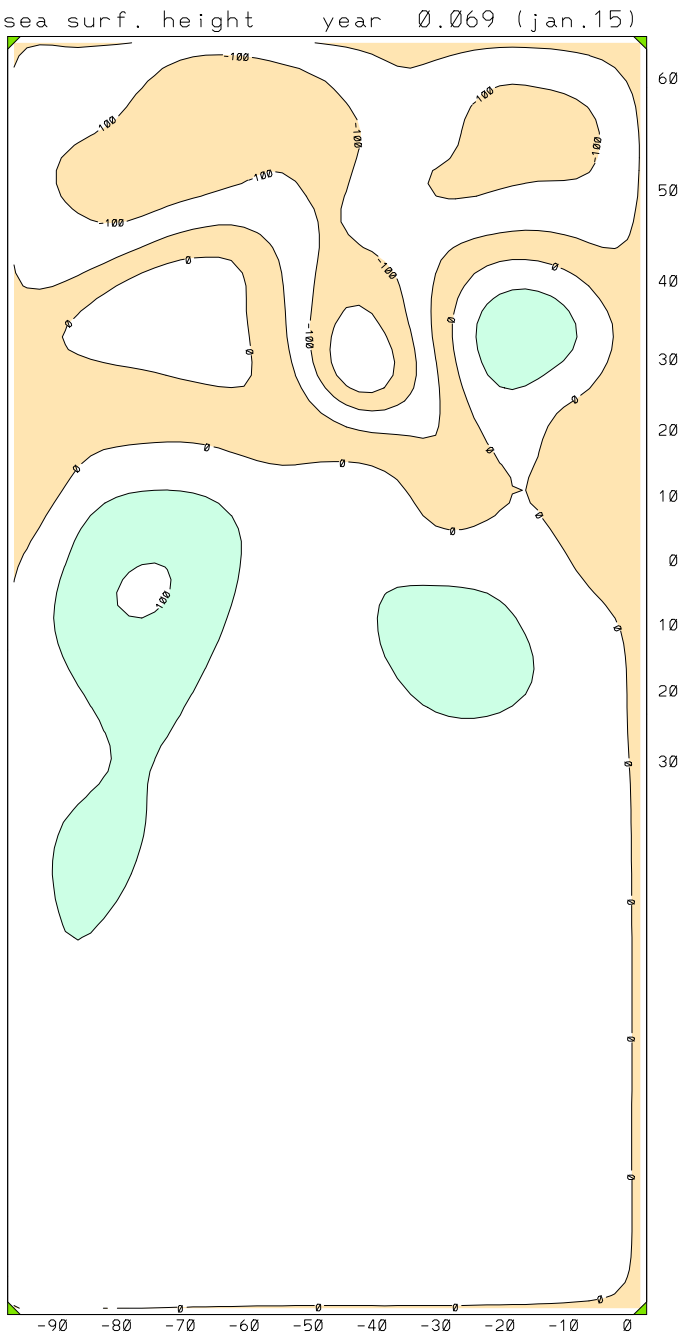
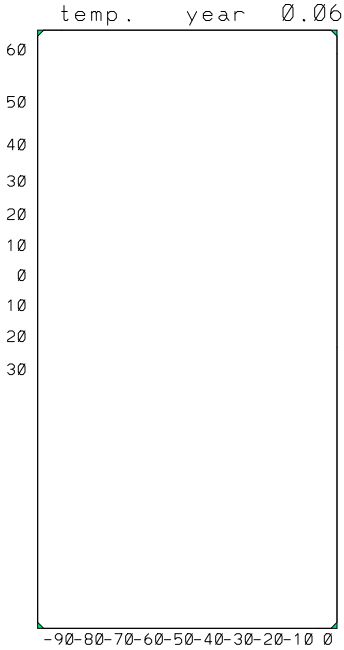
3000
4000
-45
15
-45
-45
60
50
40
30
20
10
0
-10
-20


layer 1 velocity year 0.069 (jan.15)
20.00 cm/s
10.00 cm/s
5.00 cm/s
60
50
40
30
20
10
0
10
20
30
-90
-80
-70
-60
-50
-40
-30
-20
-10
0

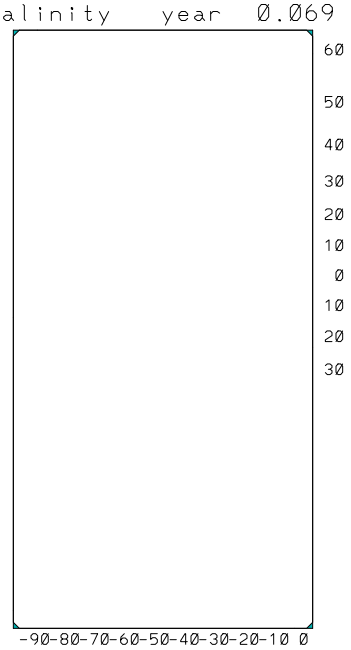

barotropic strmf. year 0.069 (jan.15)
ci 50.0 sv
60
50
40
30
20
10
0
10
20
30
-90
-80
-70
-60
-50
-40
-30
-20
-10
0


sea surf. height year 0.069 (jan.15)
60
50
40
30
20
10
0
10
20
30
-90
-80
-70
-60
-50
-40
-30
-20
-10
0
-100
0

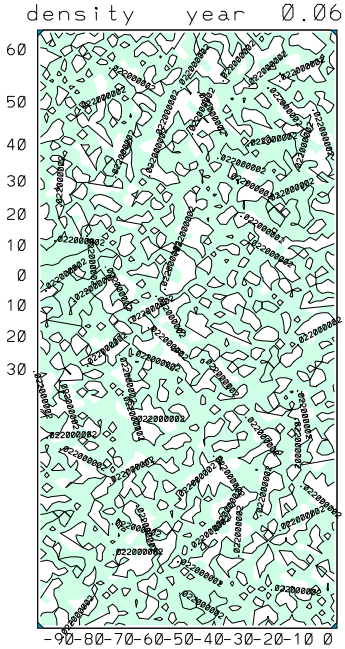
layer 1 temp. year 0.069 (jan.15)



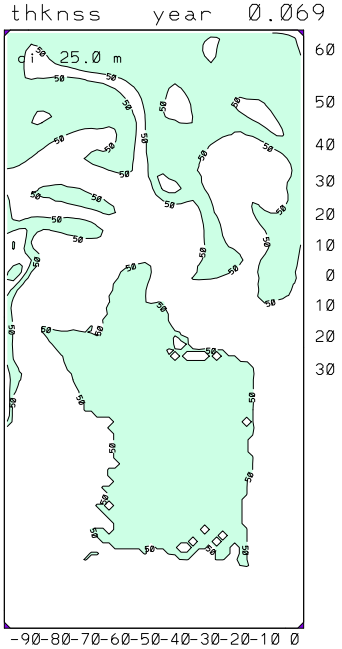
layer 1 salinity year 0.069 (jan.15)



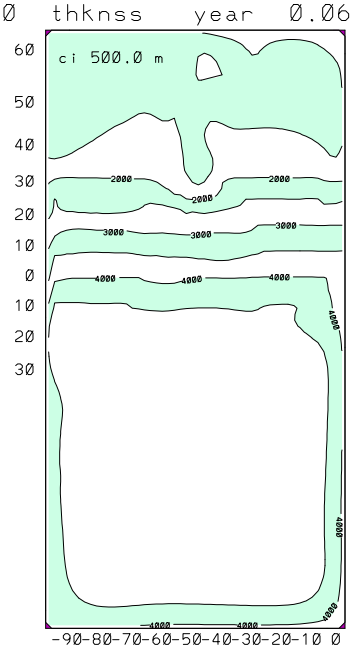
layer 1 density year 0.069 (jan.15)



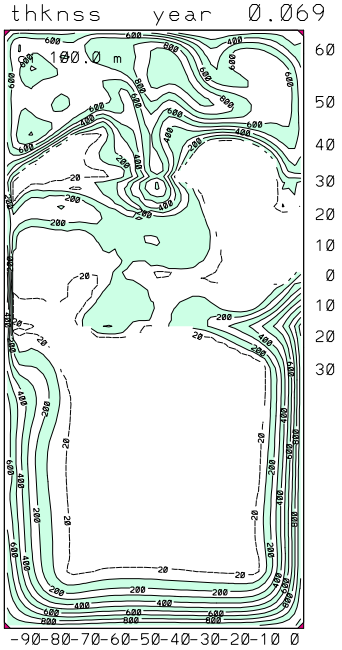
layer 1 thknss year 0.069 (jan.15)



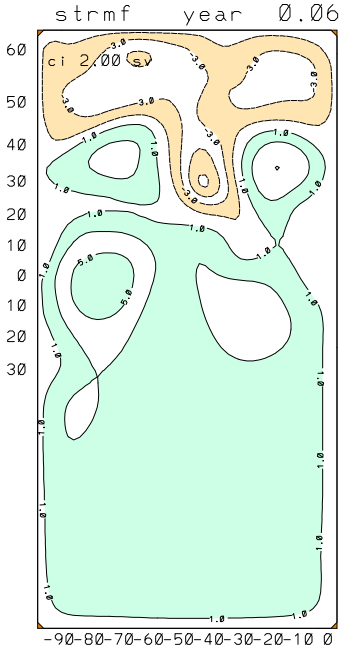
sig=23.50 thknss year 0.069 (jan.15)



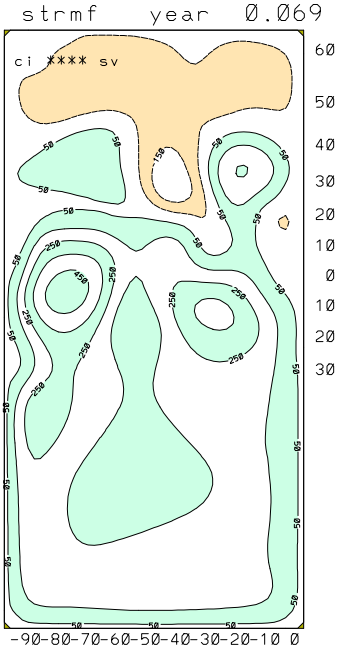
sig=25.00 thknss year 0.069 (jan.15)



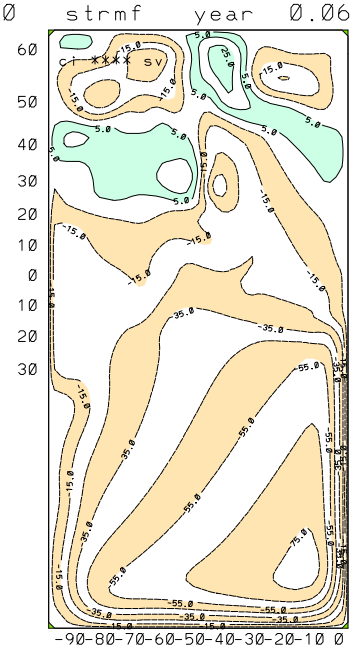
layer 1 strmf year 0.069 (jan.15)

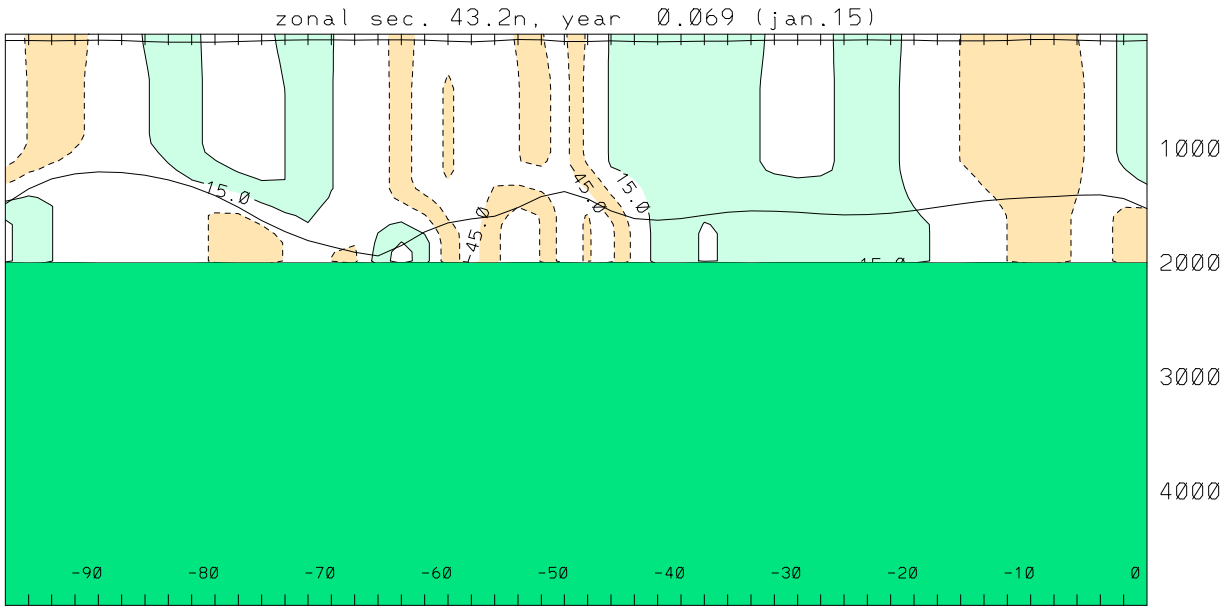


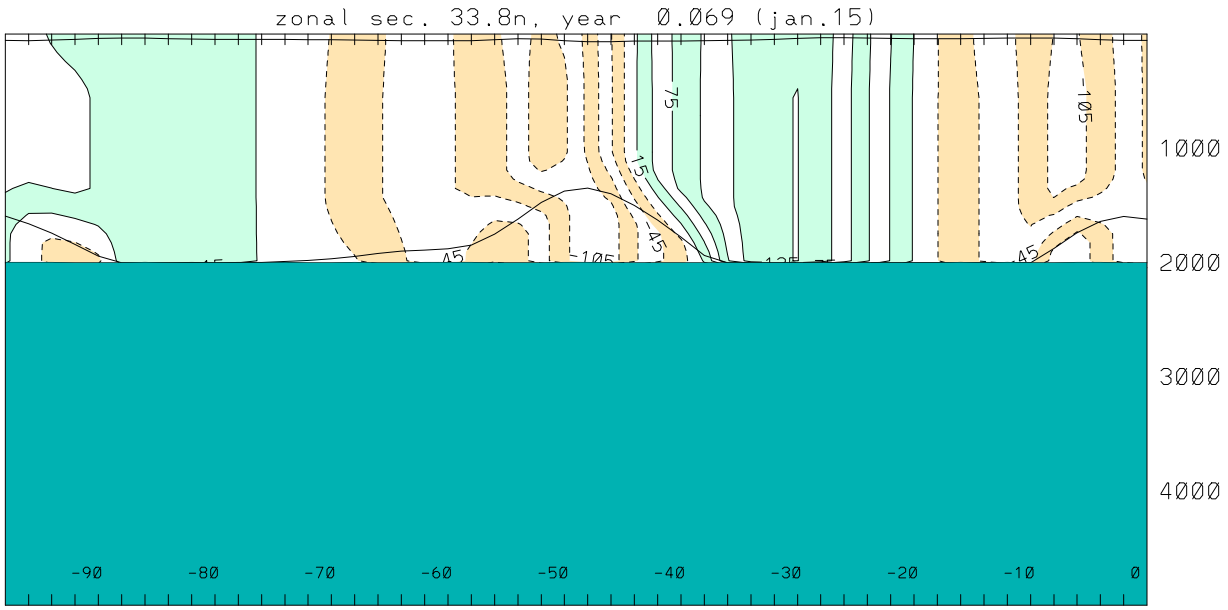
sig=23.50 strmf year 0.069 (jan.15)



sig=25.00 strmf year 0.069 (jan.15)




zonal sec. 43.2n, year 0.069 (jan.15)
15.0
45.0
-45.0
15.0
1000
2000
3000
4000
-90
-80
-70
-60
-50
-40
-30
-20
-10
0


zonal sec. 33.8n, year 0.069 (jan.15)
75
15
-45
-105
105
45
1000
2000
3000
4000
-90
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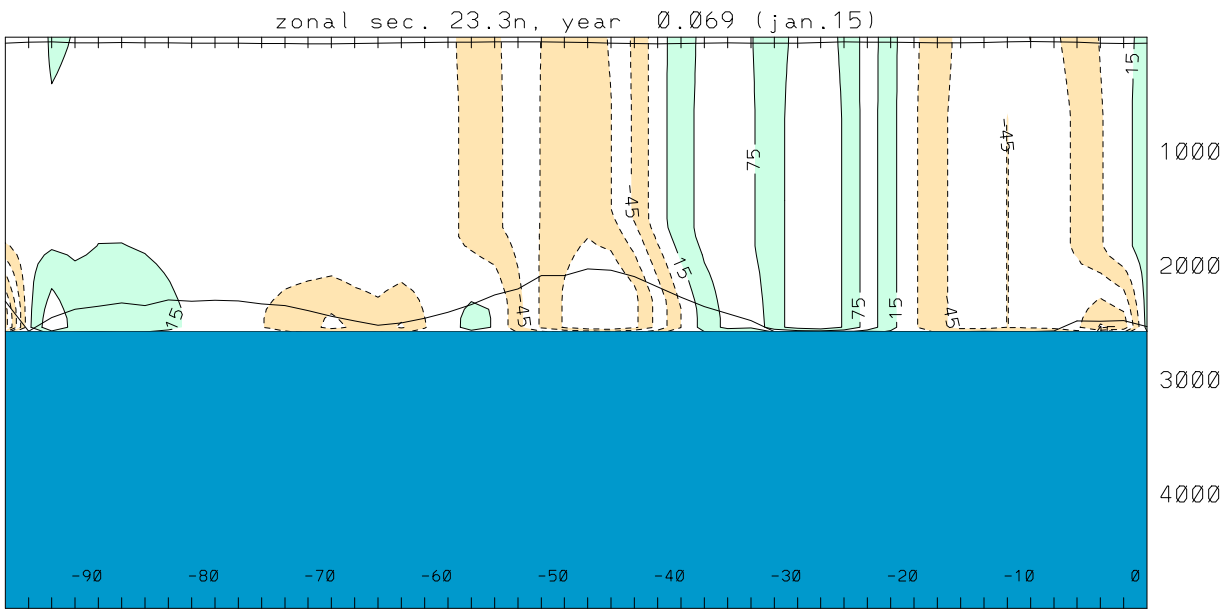
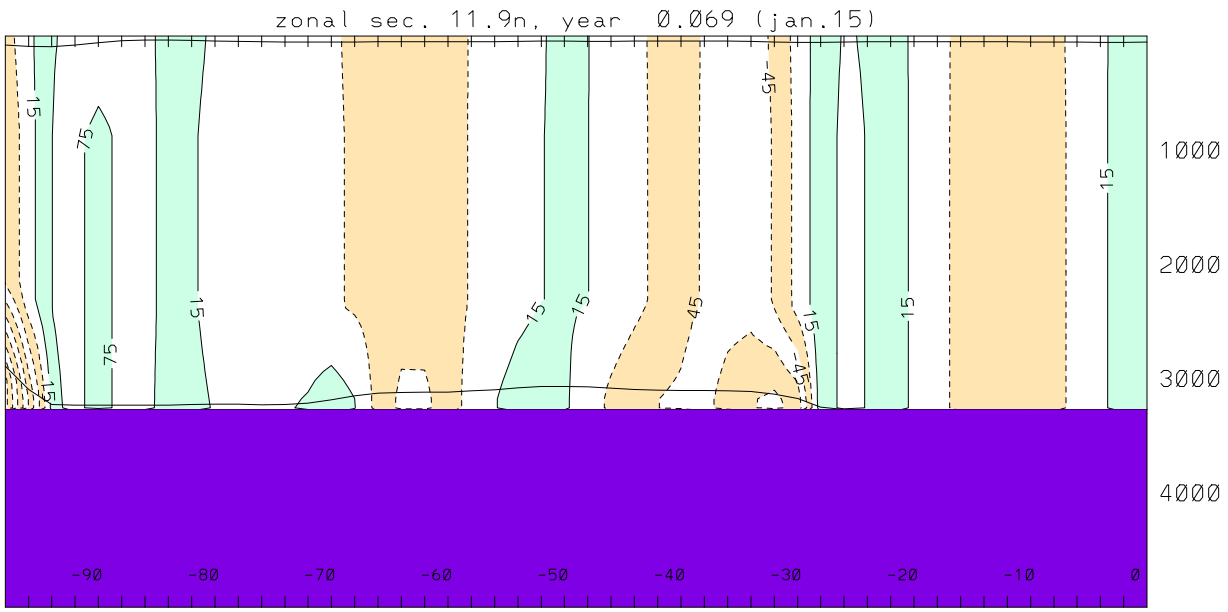
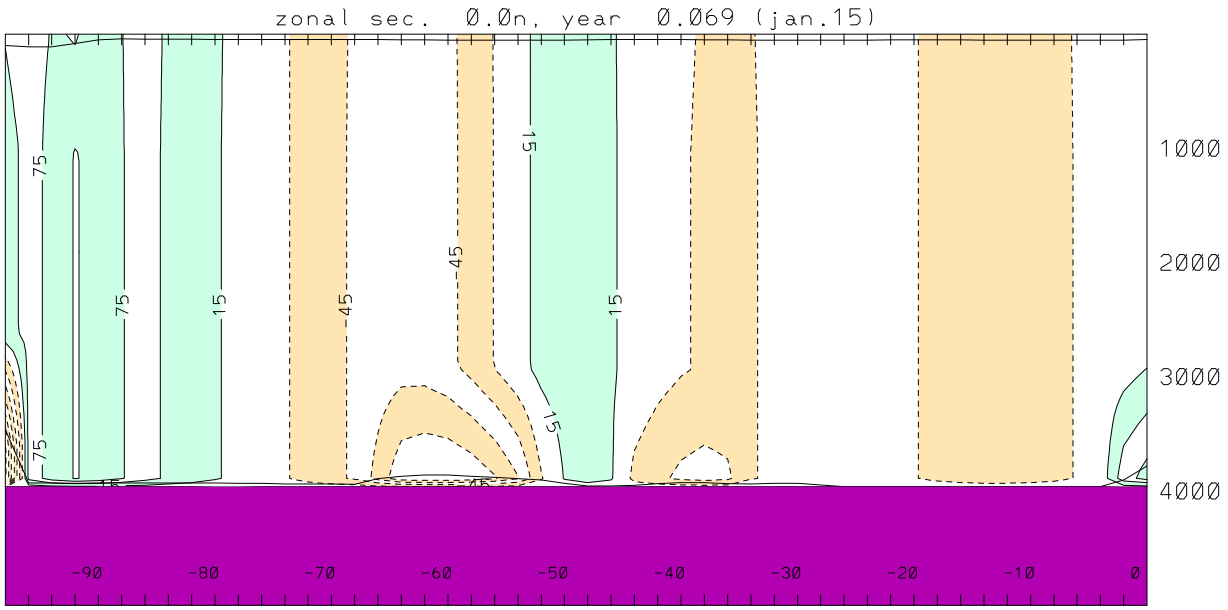
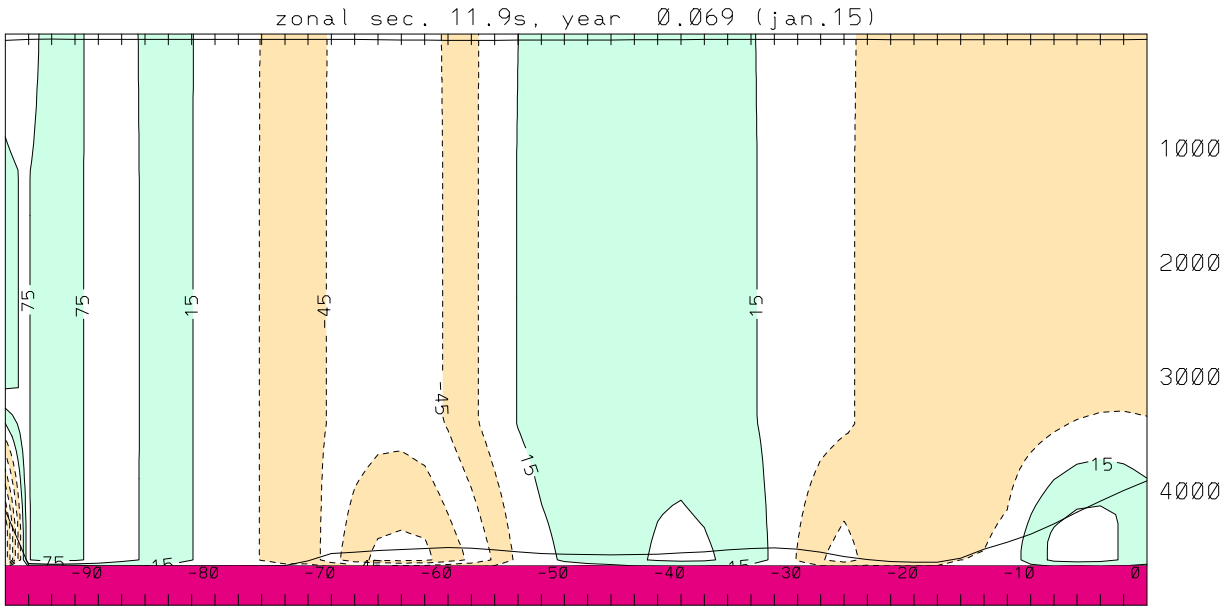
-60
-50
-40
-30
-20
-10
0


zonal sec. 23.3n, year 0.069 (jan.15)
1000
2000
3000
4000
-90
-80
-70
-60
-50
-40
-30
-20
-10
0


zonal sec. 11.9n, year 0.069 (jan.15)
1000
2000
3000
4000
-90
-80
-70
-60
-50
-40
-30
-20
-10
0


zonal sec. 0.0n, year 0.069 (jan.15)
75
75
75
15
45
45
15
15
15
1000
2000
3000
4000
-90
-80
-70
-60
-50
-40
-30
-20
-10
0


zonal sec. 11.9s, year 0.069 (jan.15)
75
75
15
45
45
15
15
15
1000
2000
3000
4000
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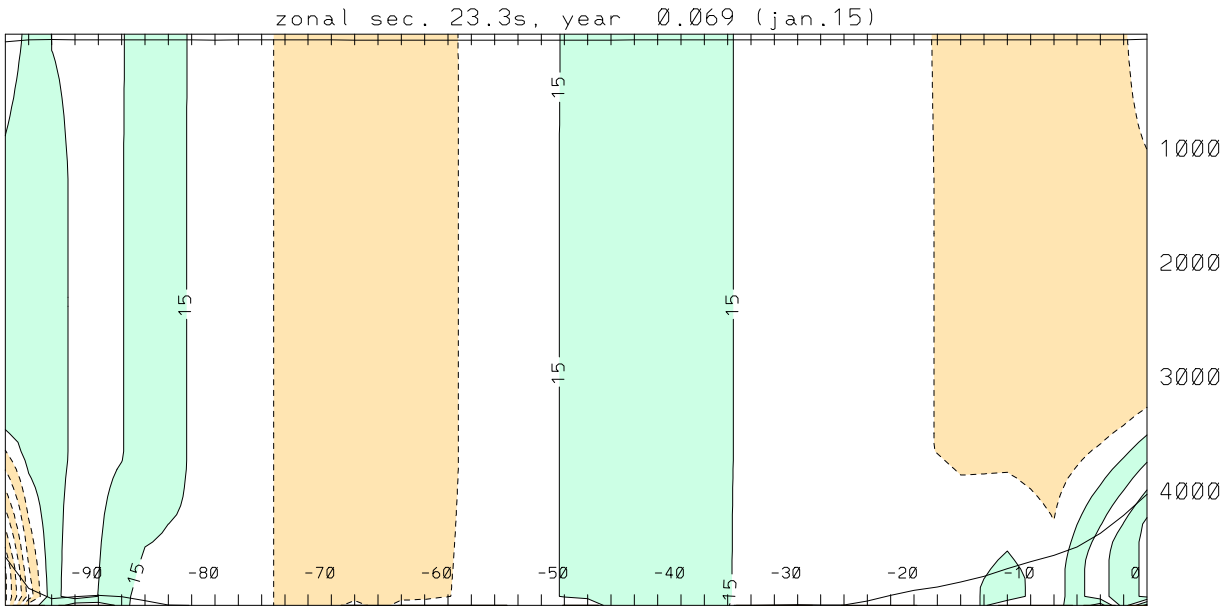
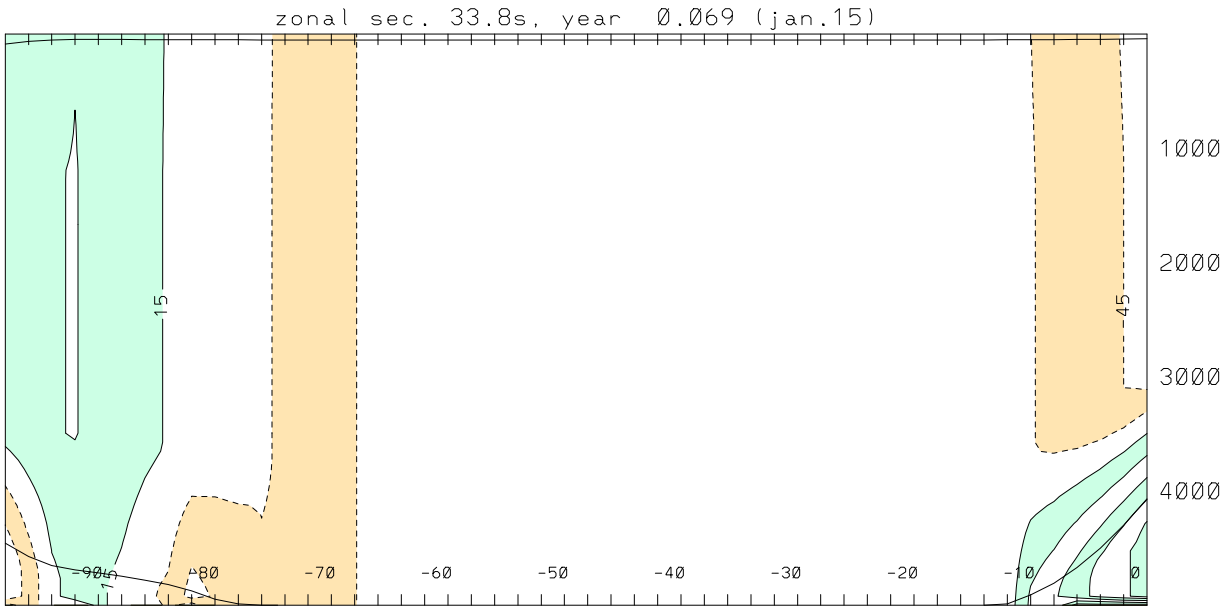
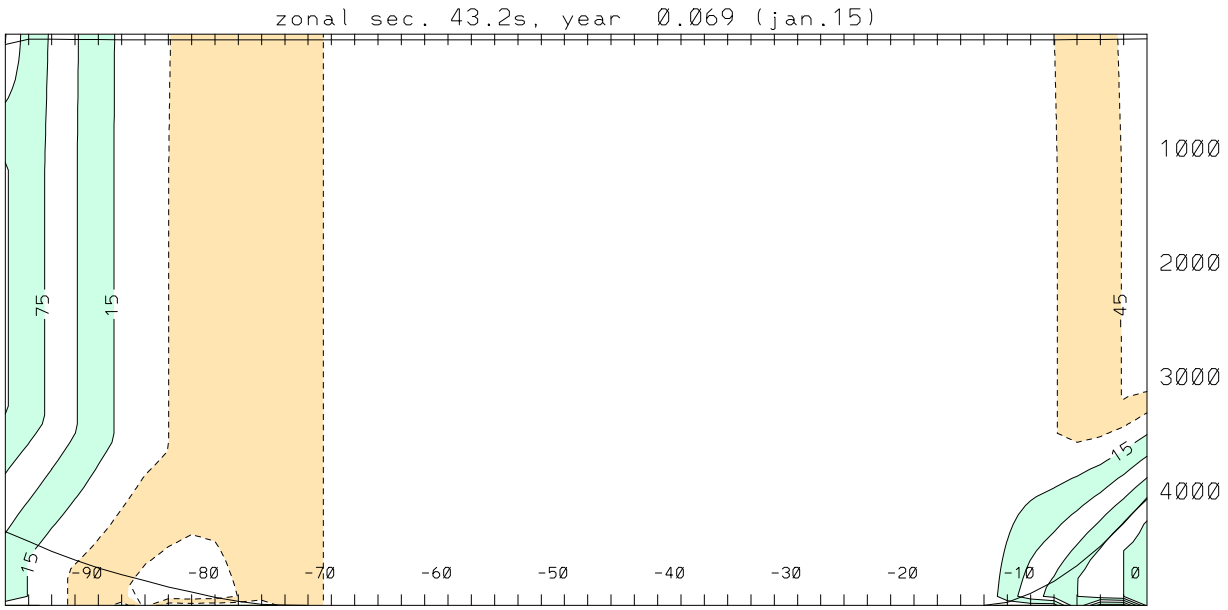
-40
-30
-20
-10
0


zonal sec. 23.3s, year 0.069 (jan.15)
1000
2000
3000
4000
-90
-80
-70
-60
-50
-40
-30
-20
-10
0
15


zonal sec. 33.8s, year 0.069 (jan.15)
1000
2000
3000
4000
-90
-80
-70
-60
-50
-40
-30
-20
-10
0
15
45


zonal sec. 43.2s, year 0.069 (jan.15)
1000
2000
3000
4000
75
15
45
15
15
-90
-80
-70
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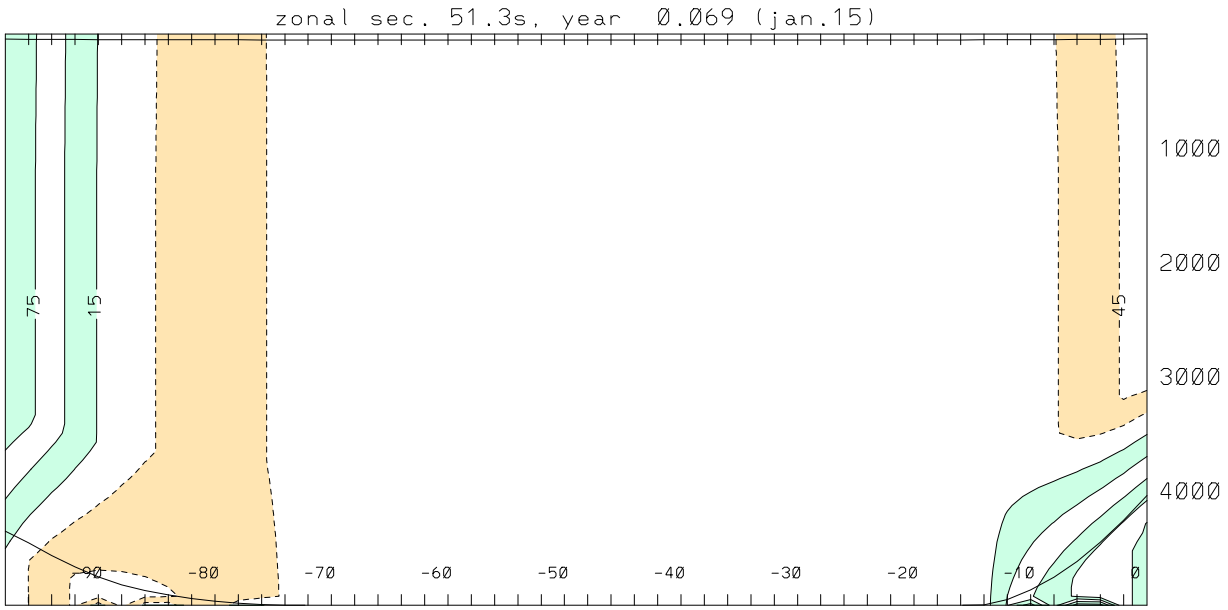
-40
-30
-20
-10
0


zonal sec. 51.3s, year 0.069 (jan.15)
1000
2000
3000
4000
75
15
45
-90
-80
-70
-60
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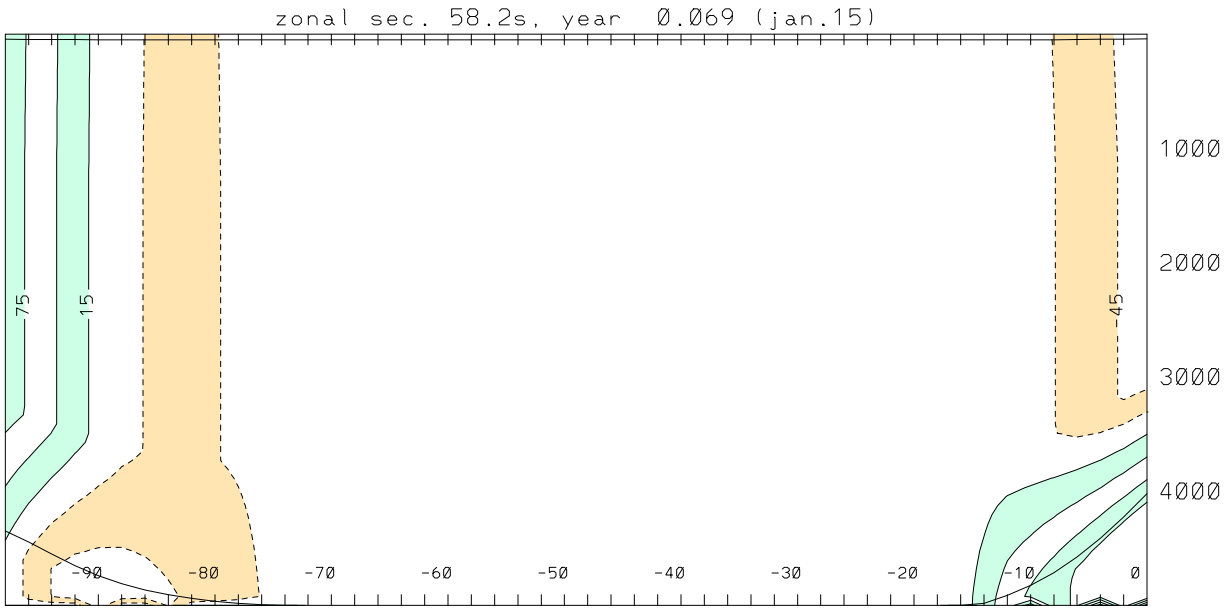
-40
-30
-20
-10
0


zonal sec. 58.2s, year 0.069 (jan.15)
75
15
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1000
2000
3000
4000
-90
-80
-70
-60
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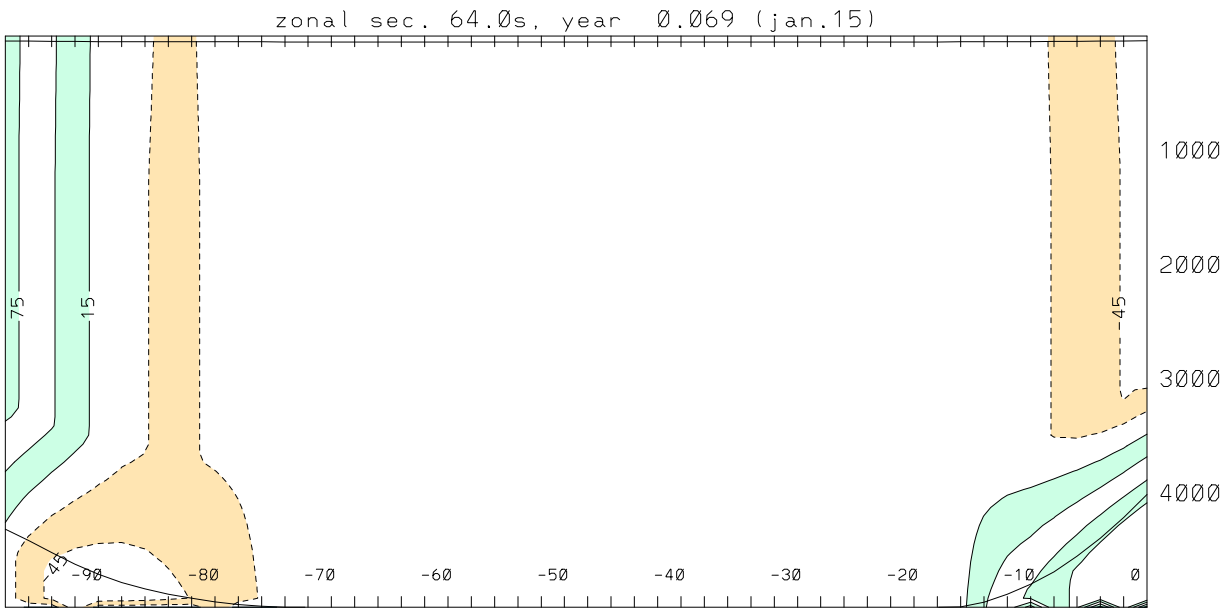
-40
-30
-20
-10
0


zonal sec. 64.0s, year 0.069 (jan.15)
75
15
45
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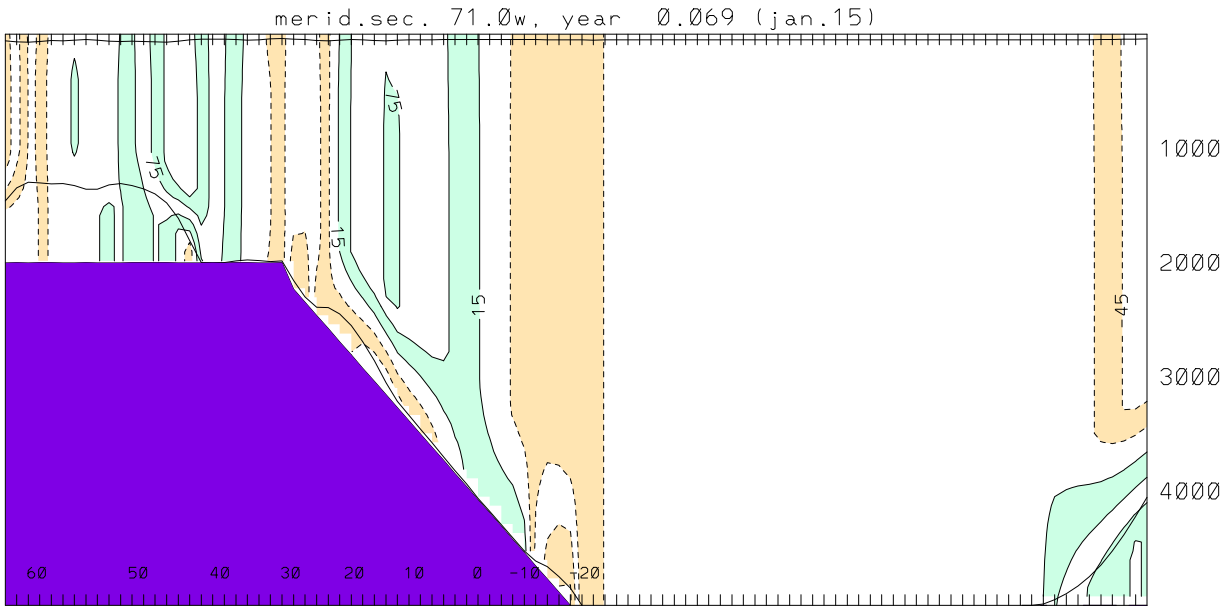
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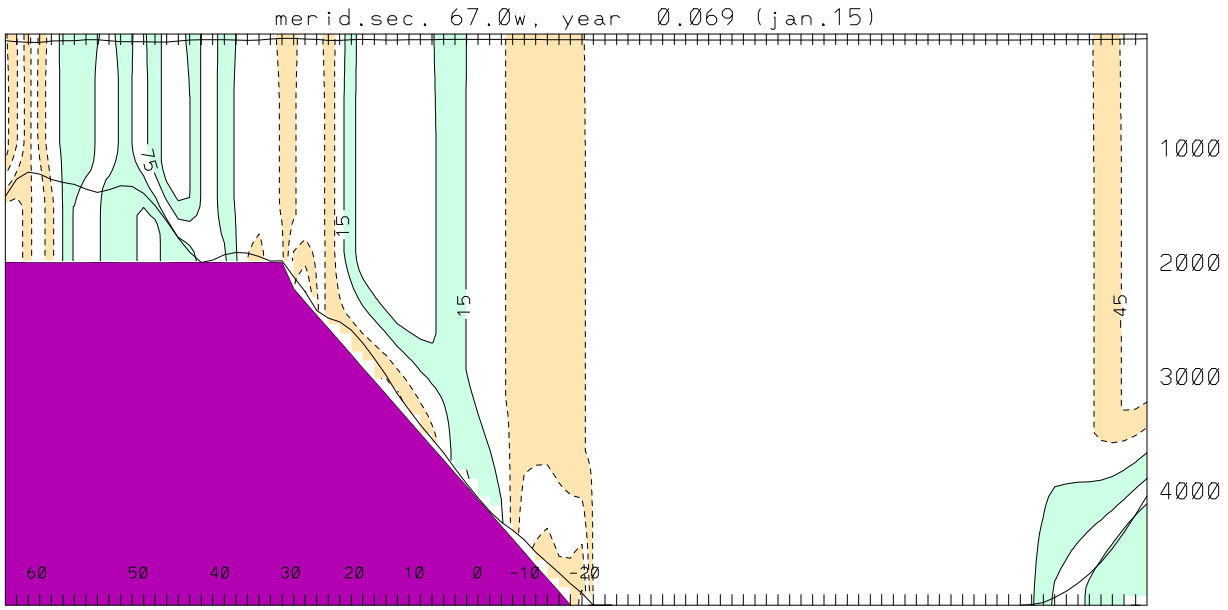
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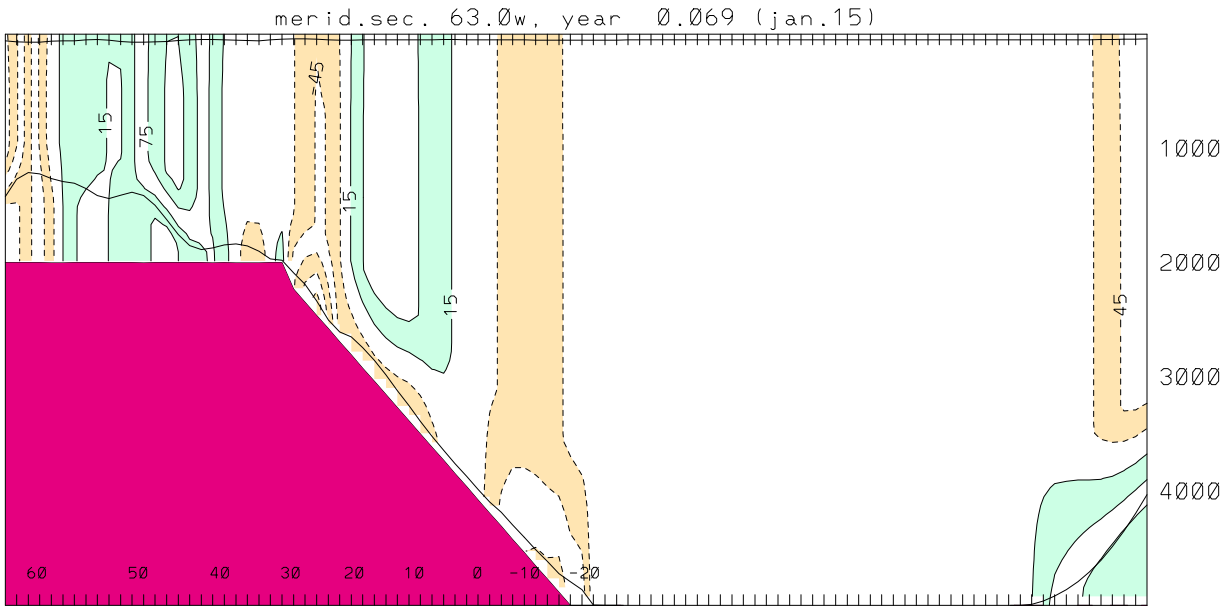
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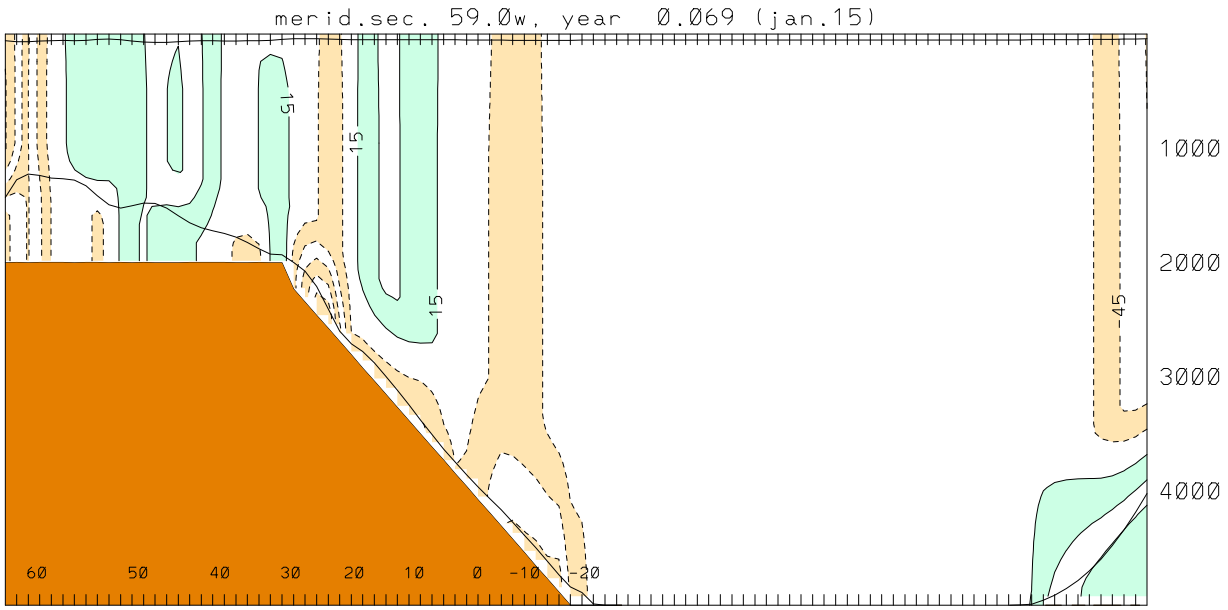
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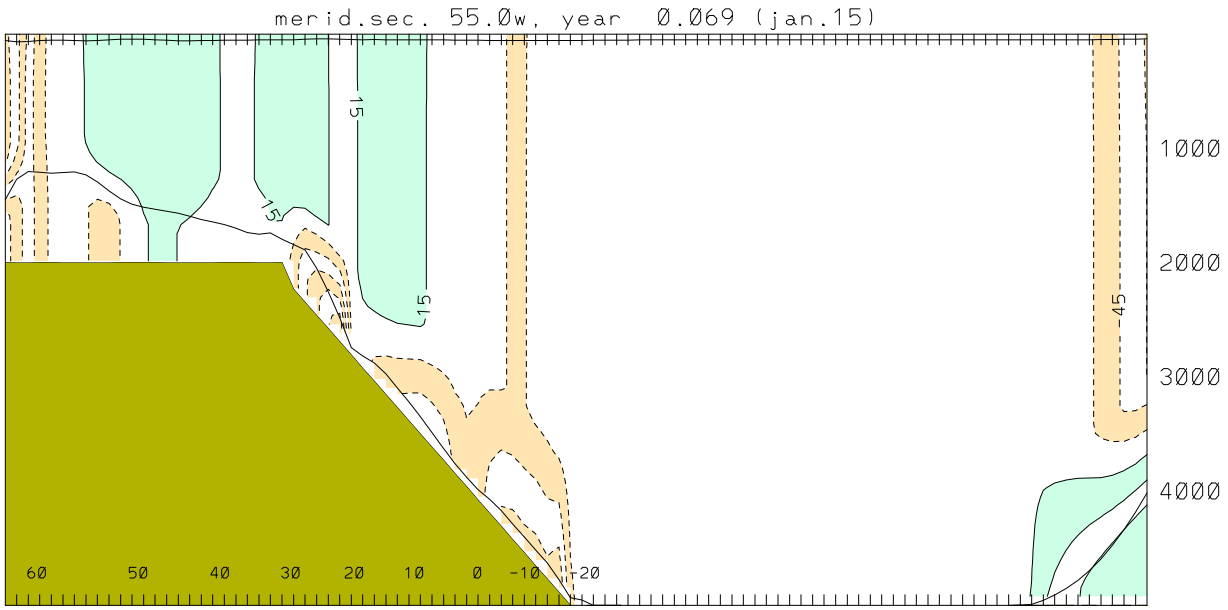
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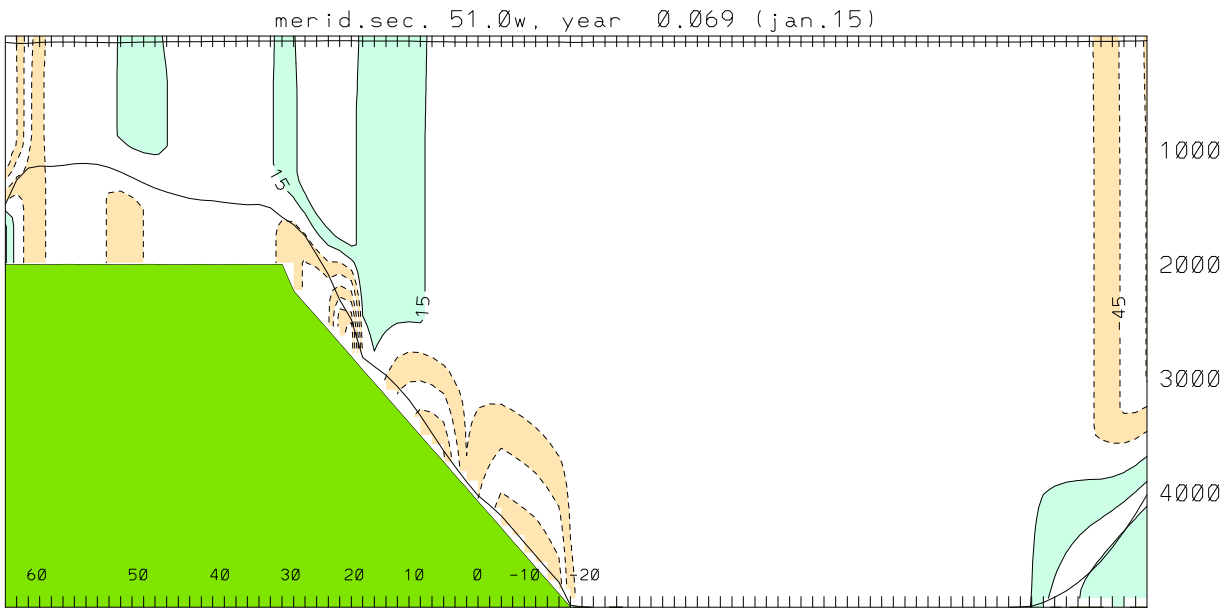
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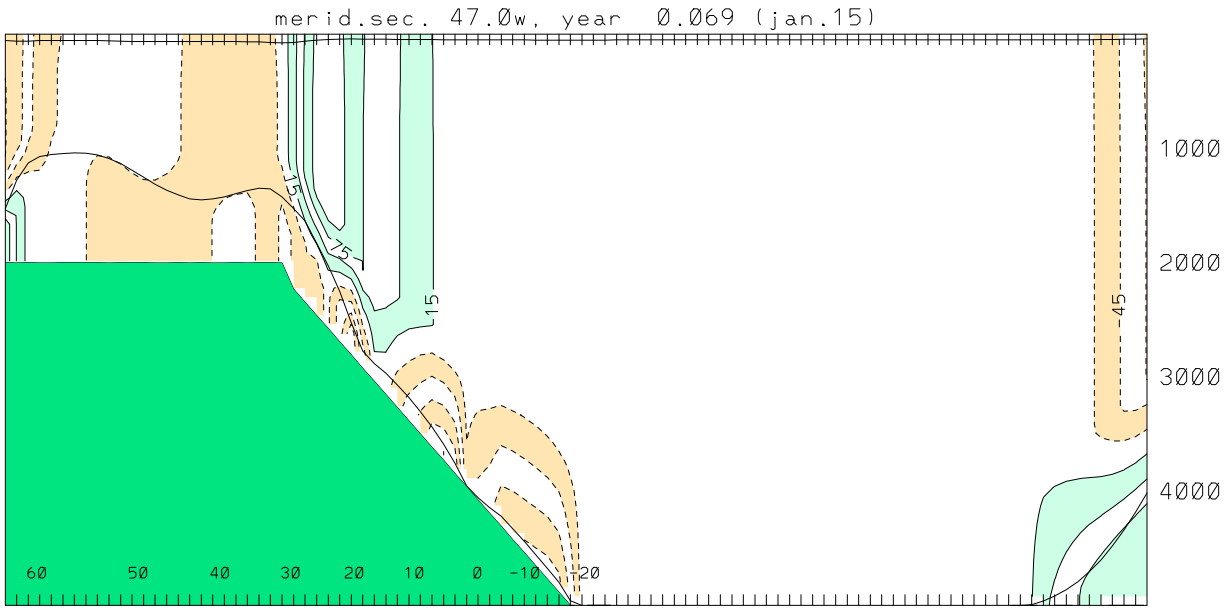
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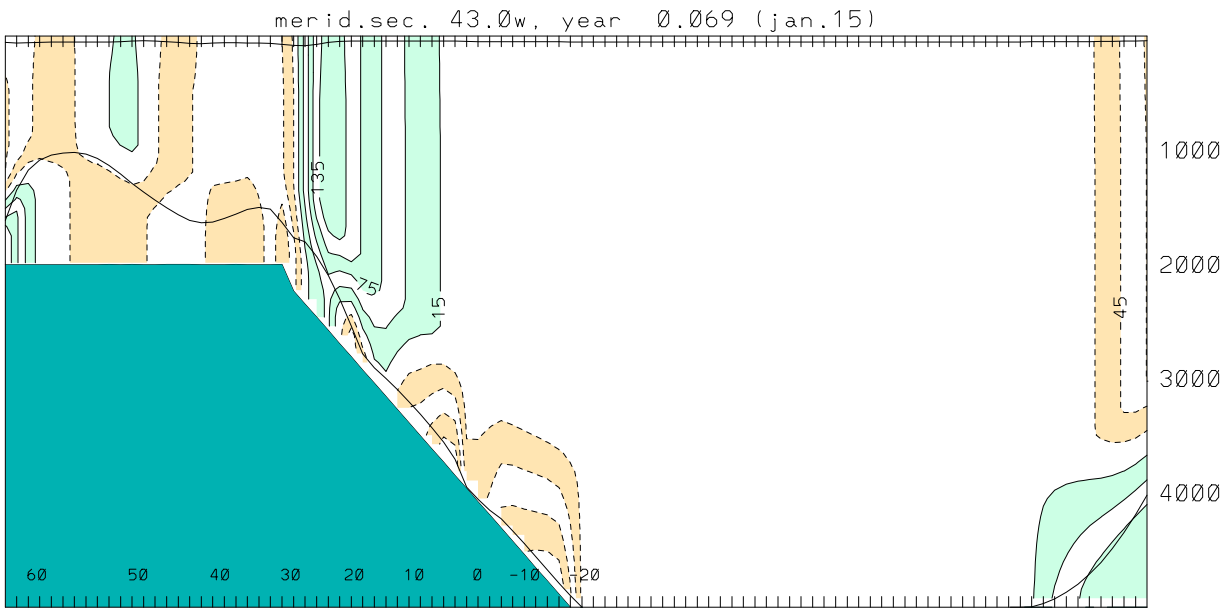
merid.sec. 43.0w, year 0.069 (jan.15)
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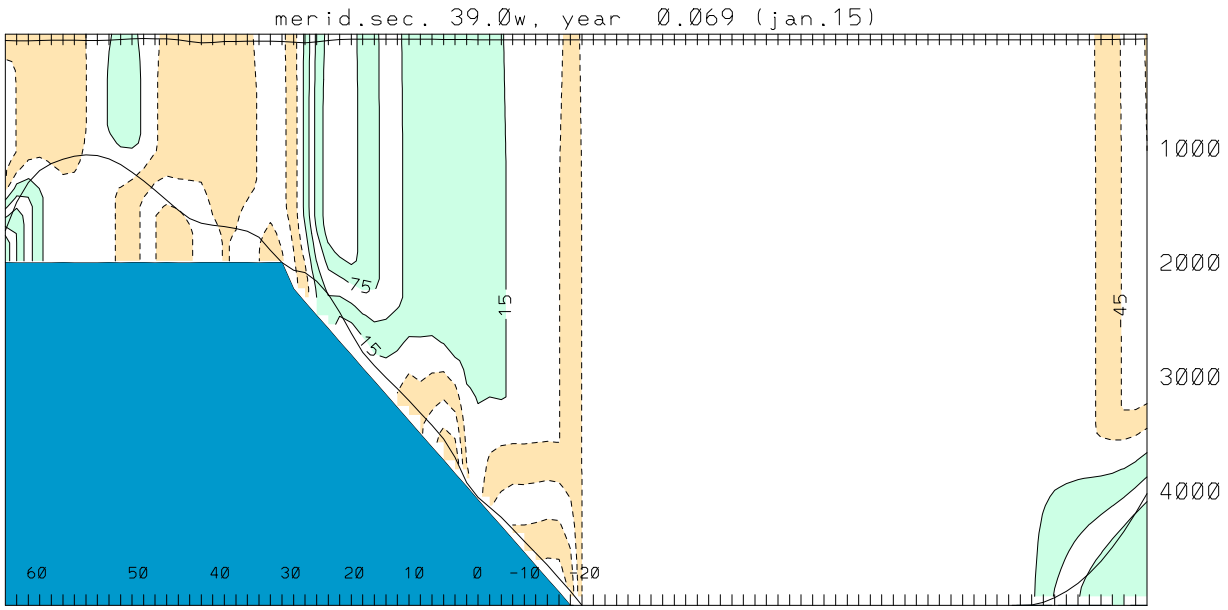
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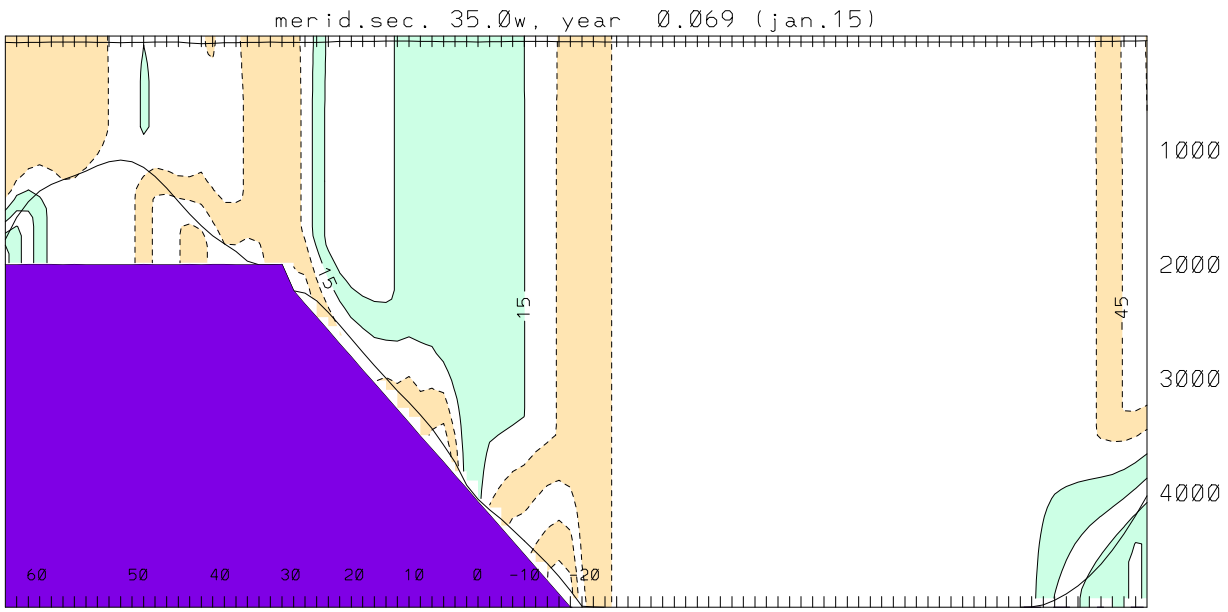
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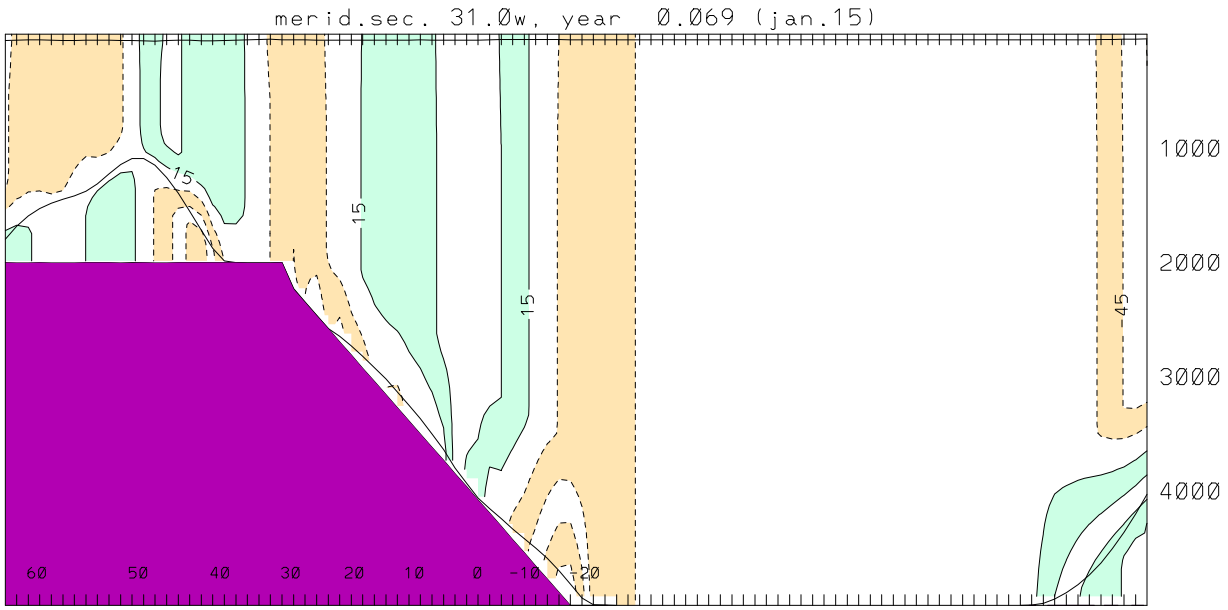
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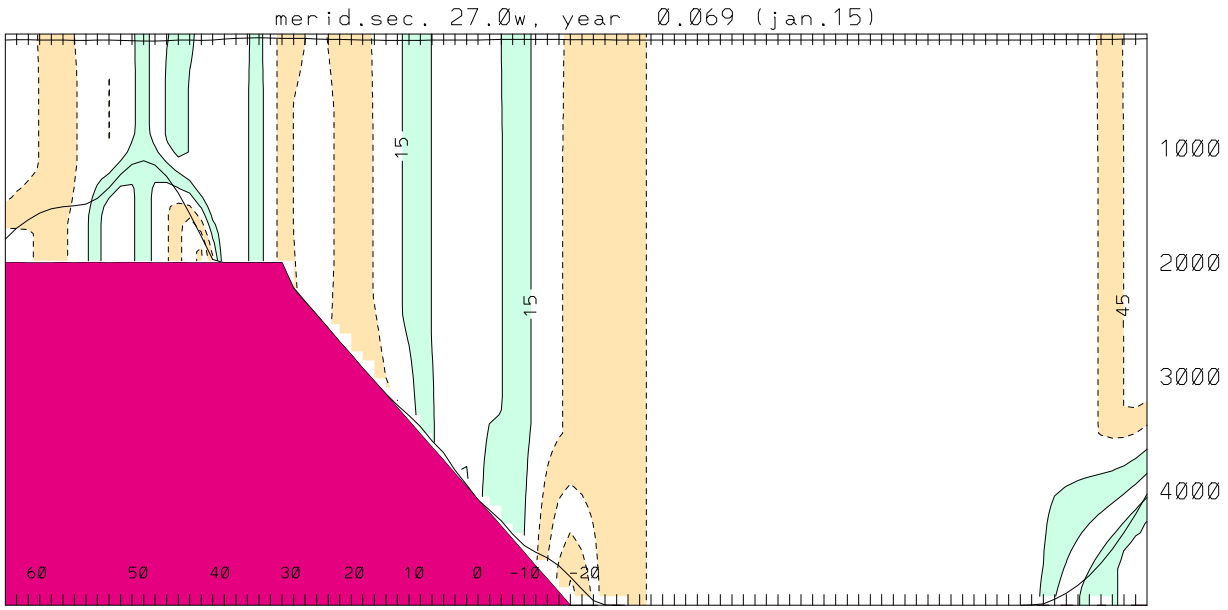
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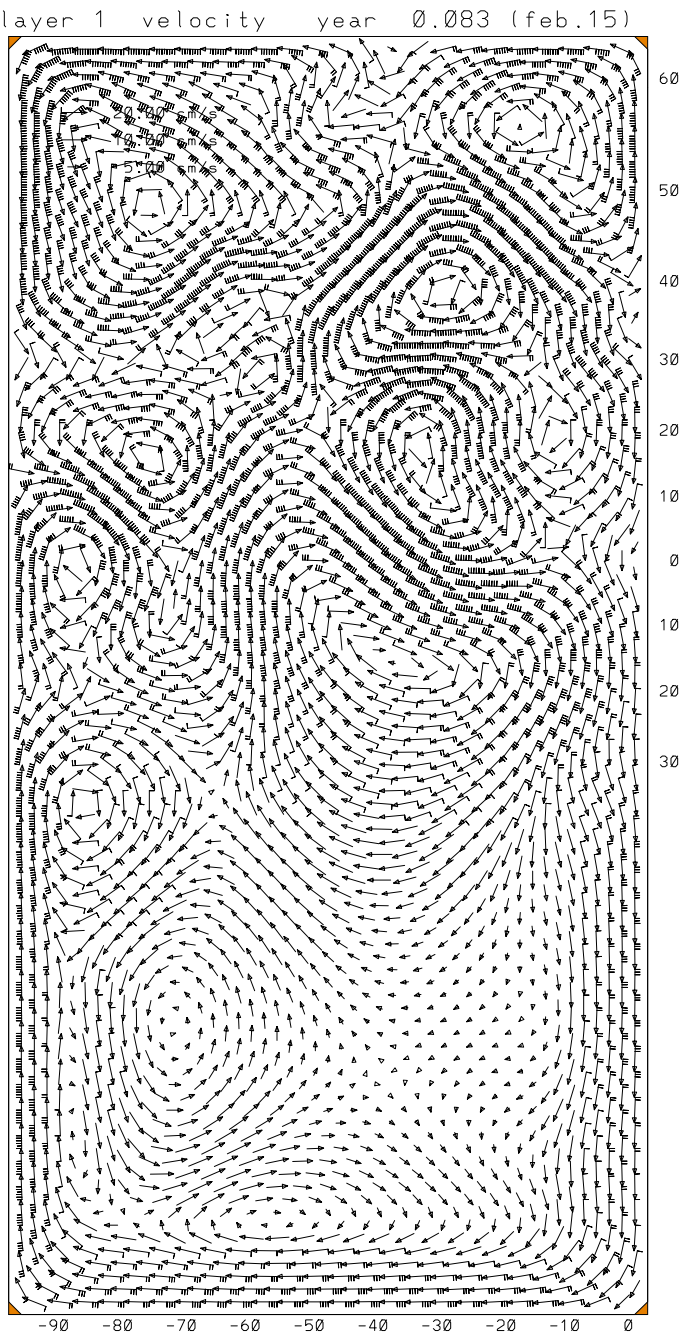
layer 1 velocity year 0.083 (feb.15)
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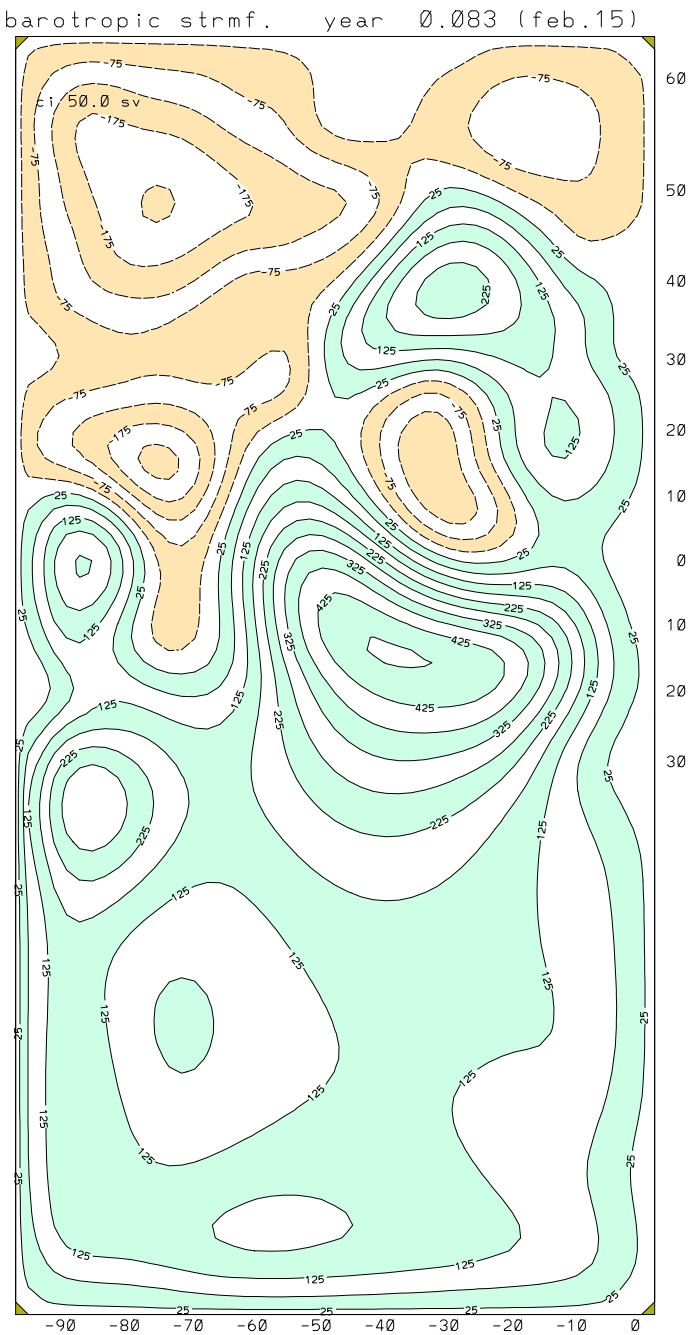
barotropic strmf. year 0.083 (feb.15)
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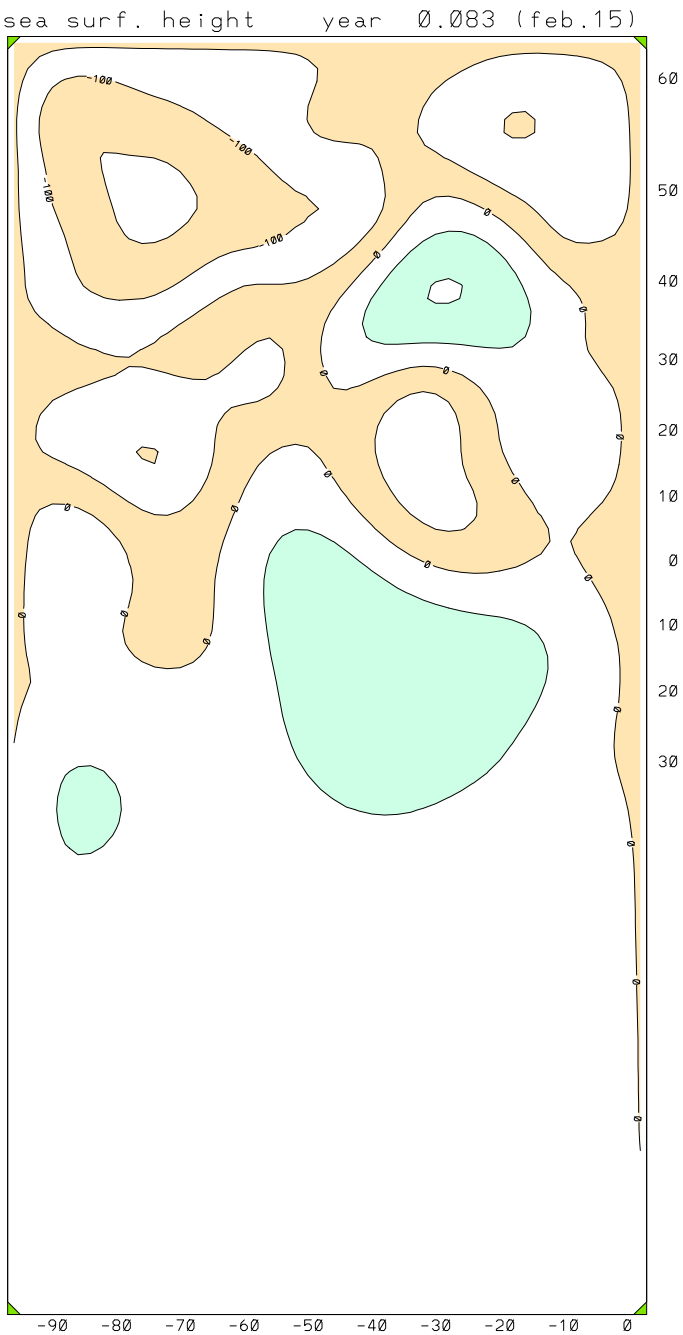
sea surf. height year 0.083 (feb.15)
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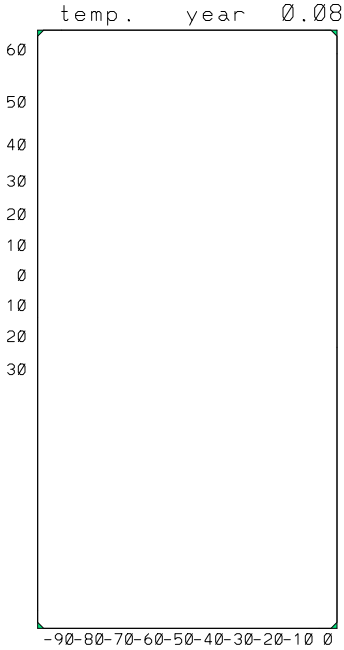
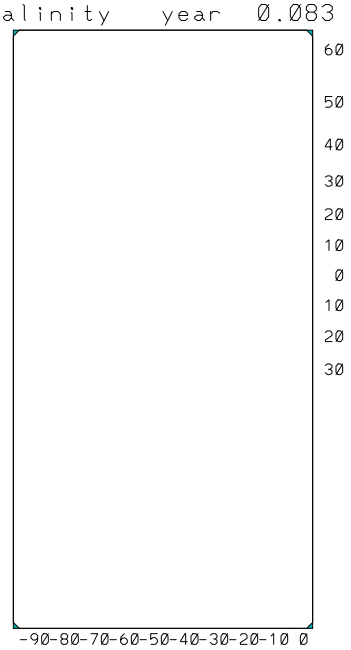
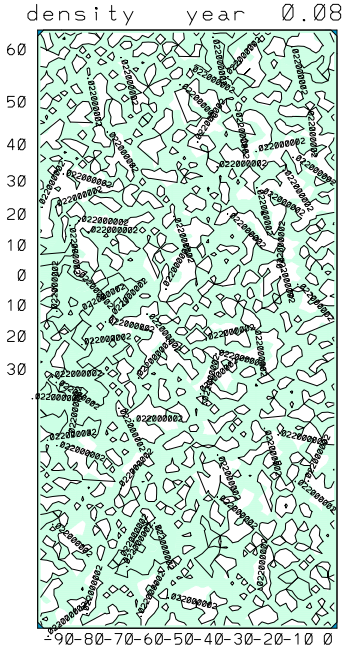
layer 1 temp. year 0.083 (feb.15)



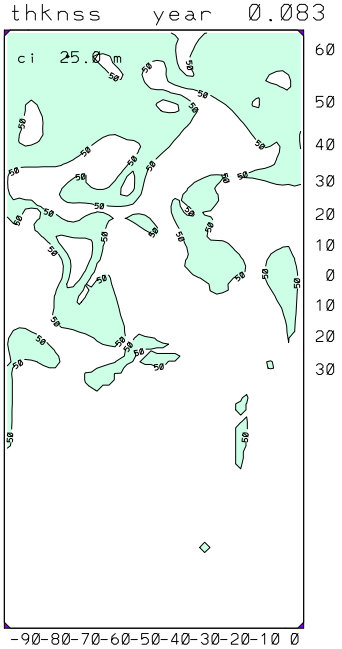
layer 1 salinity year 0.083 (feb.15)



layer 1 density year 0.083 (feb.15)



layer 1 thknss year 0.083 (feb.15)



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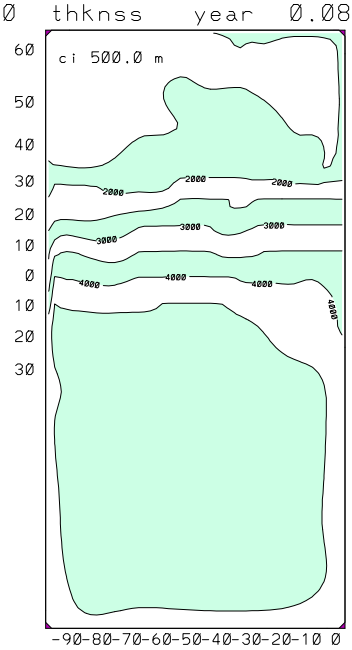

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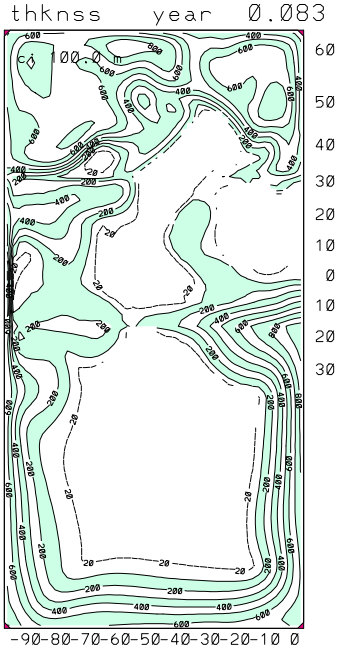
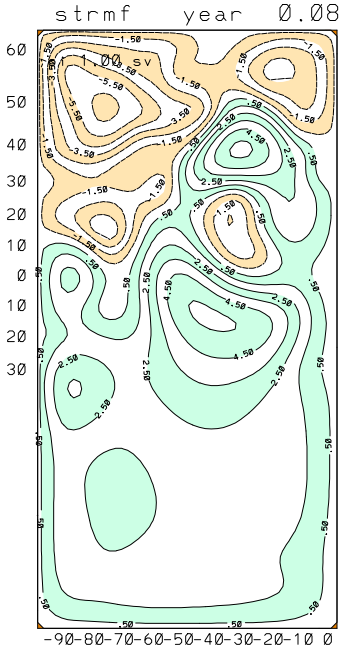


layer 1 strmf year 0.083 (feb.15)



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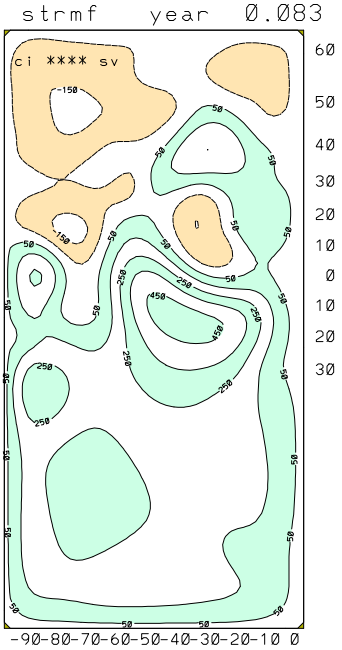

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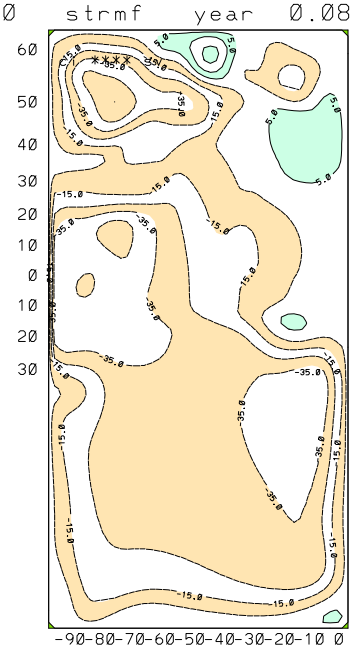

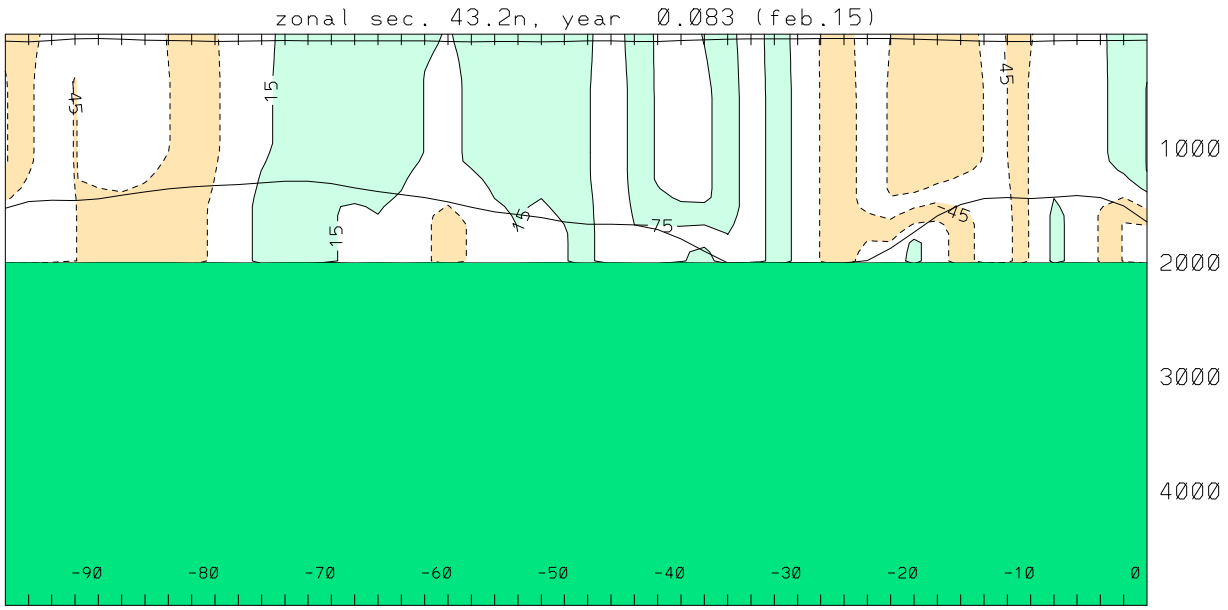
zonal sec. 43.2n, year 0.083 (feb.15)
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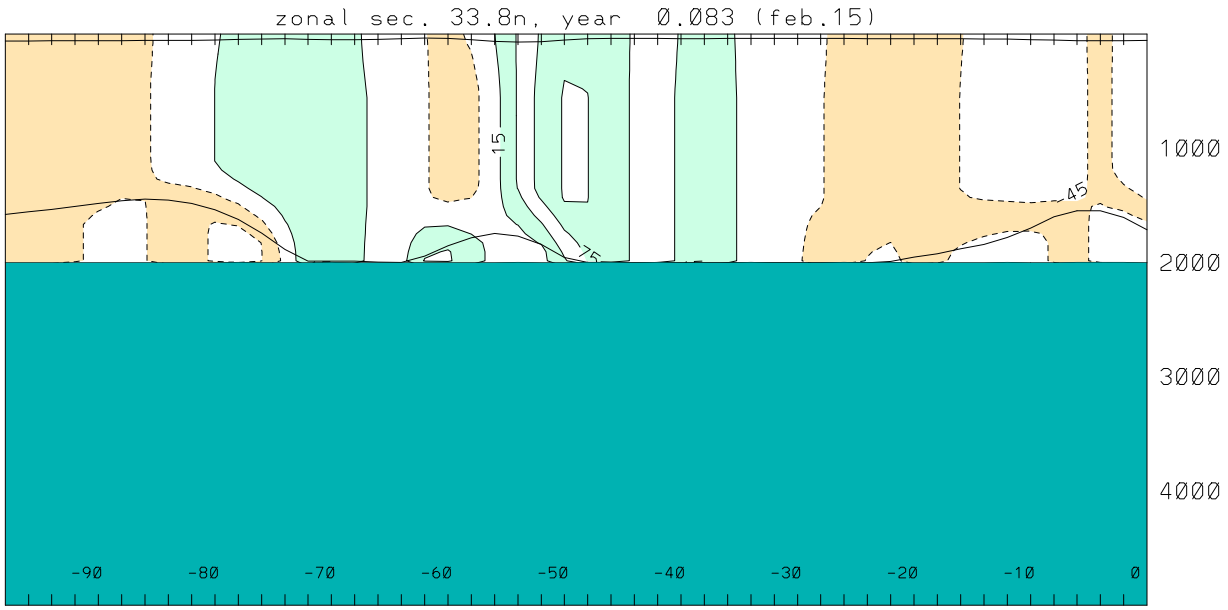
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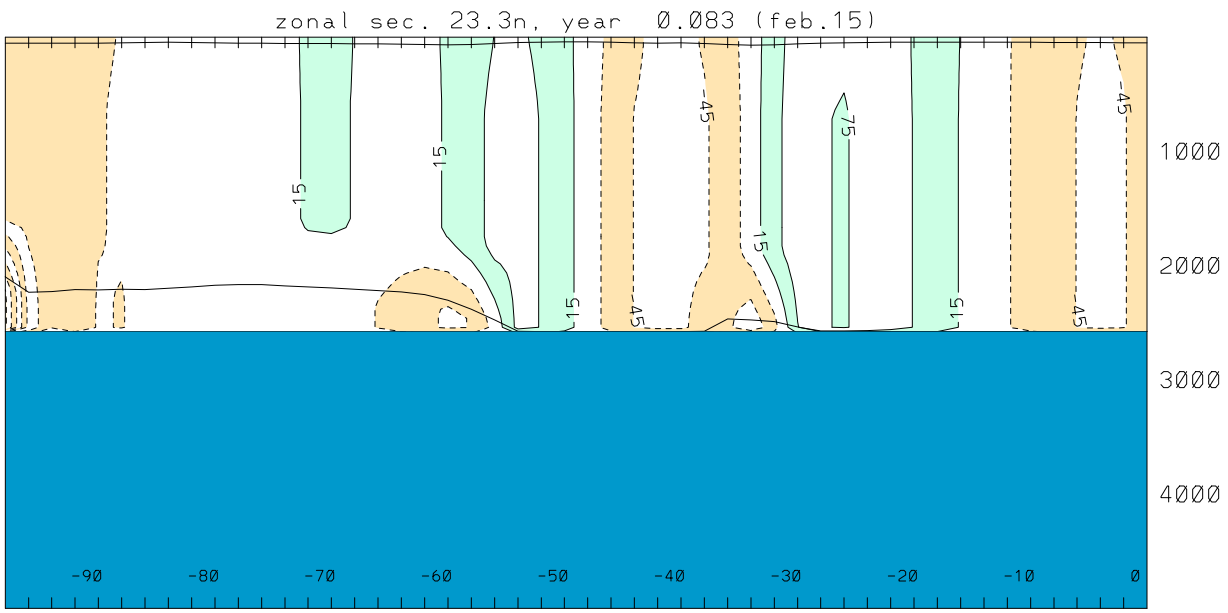
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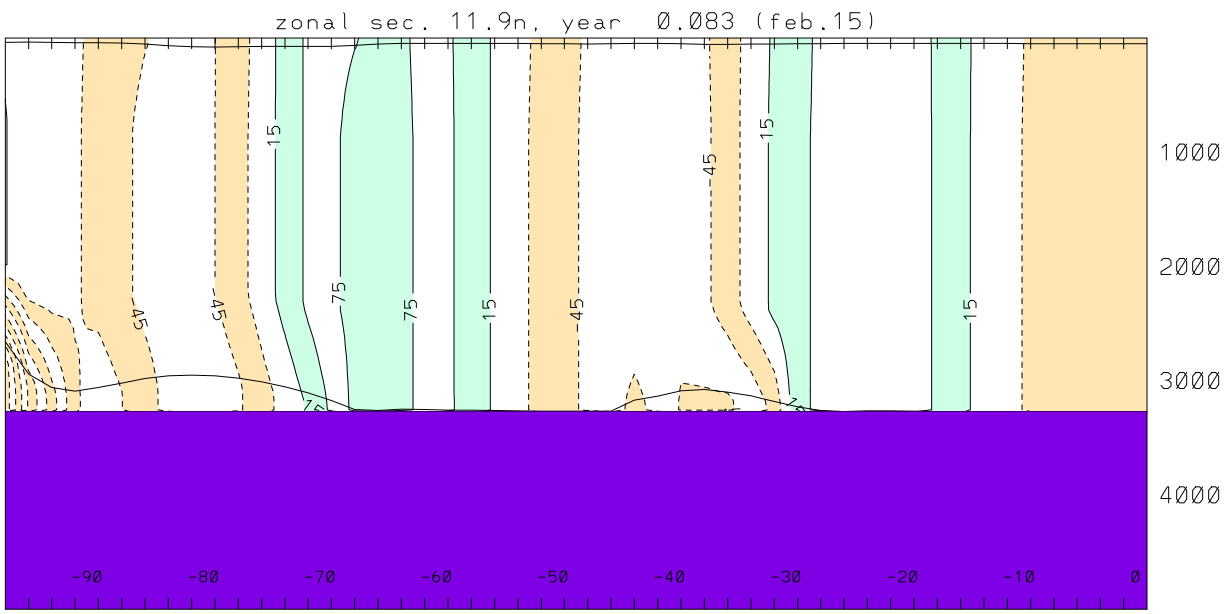
zonal sec. 11.9n, year 0.083 (feb.15)
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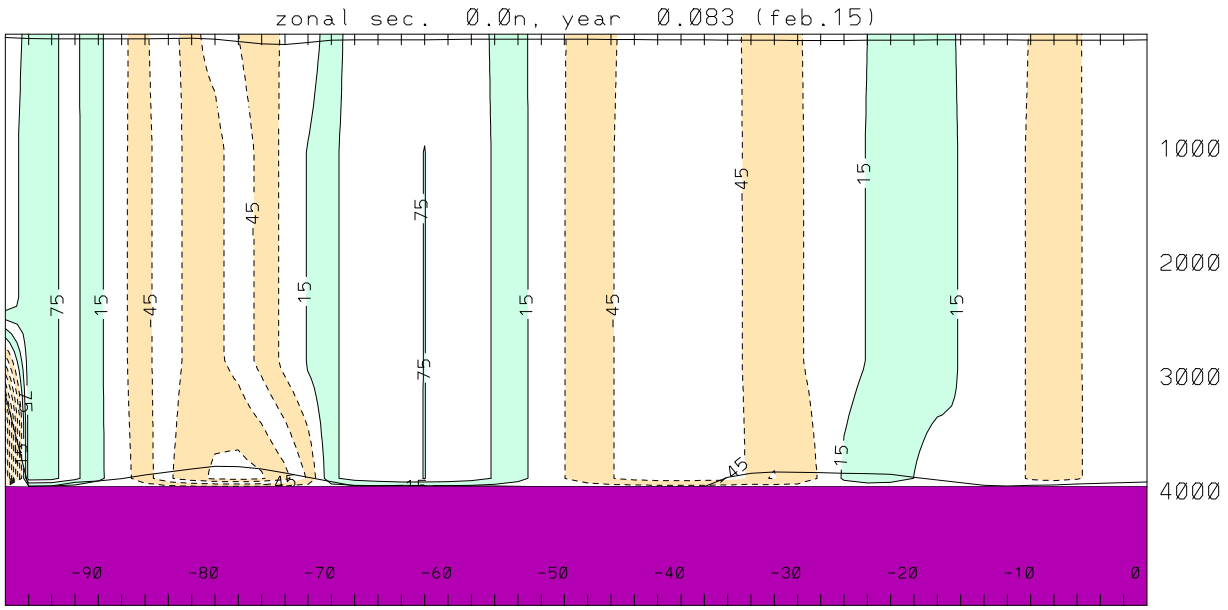
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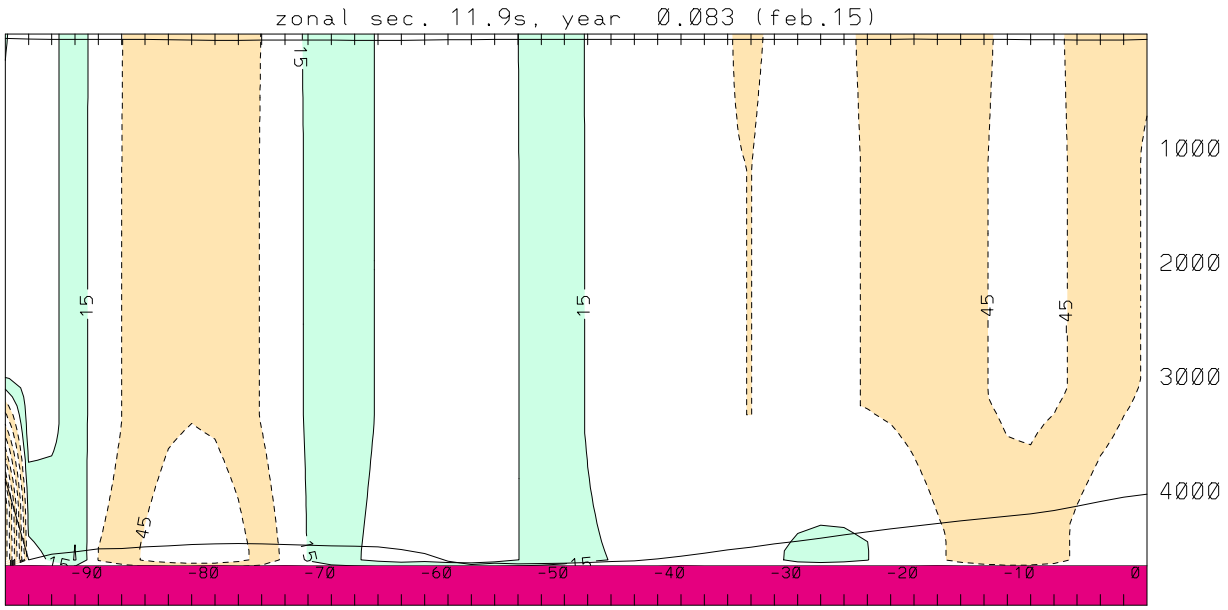
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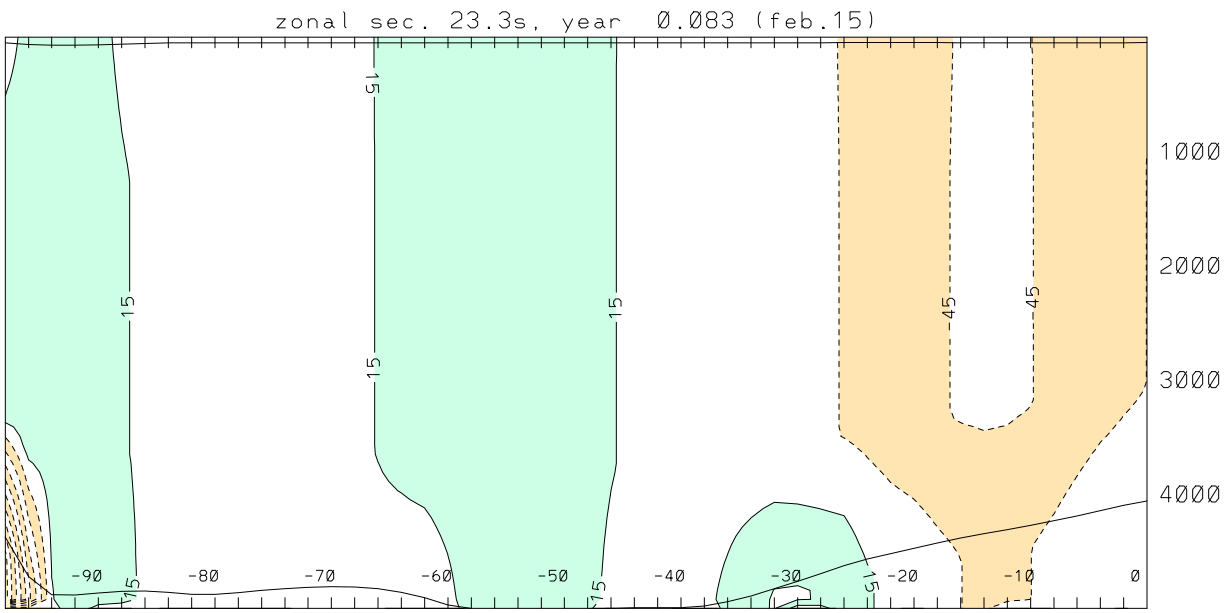
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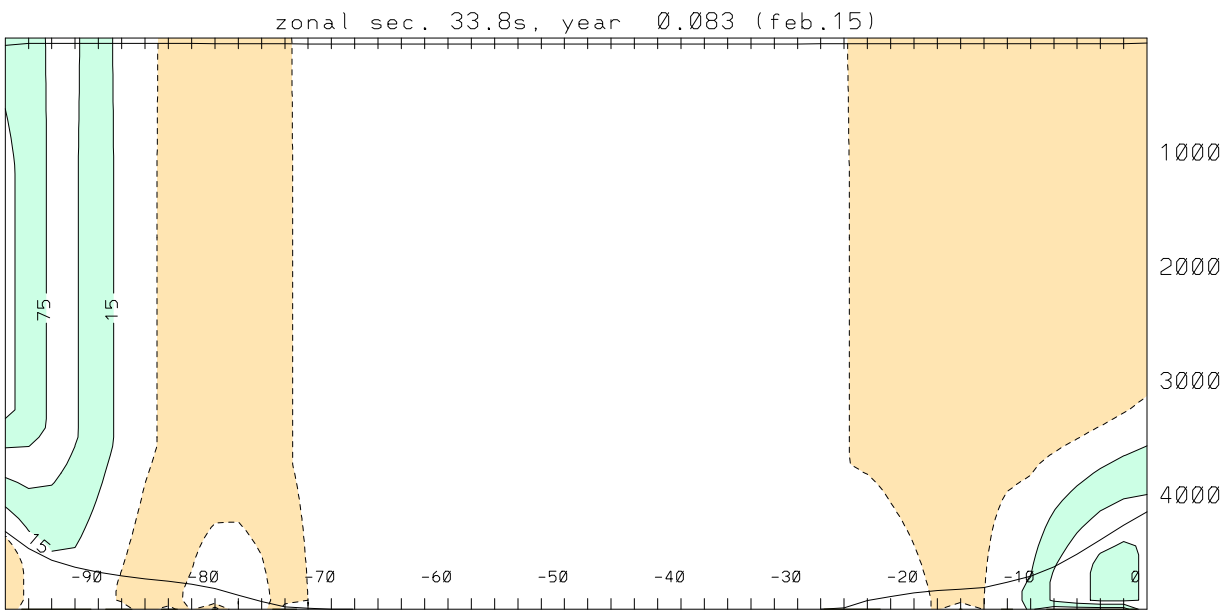
zonal sec. 33.8s, year 0.083 (feb.15)
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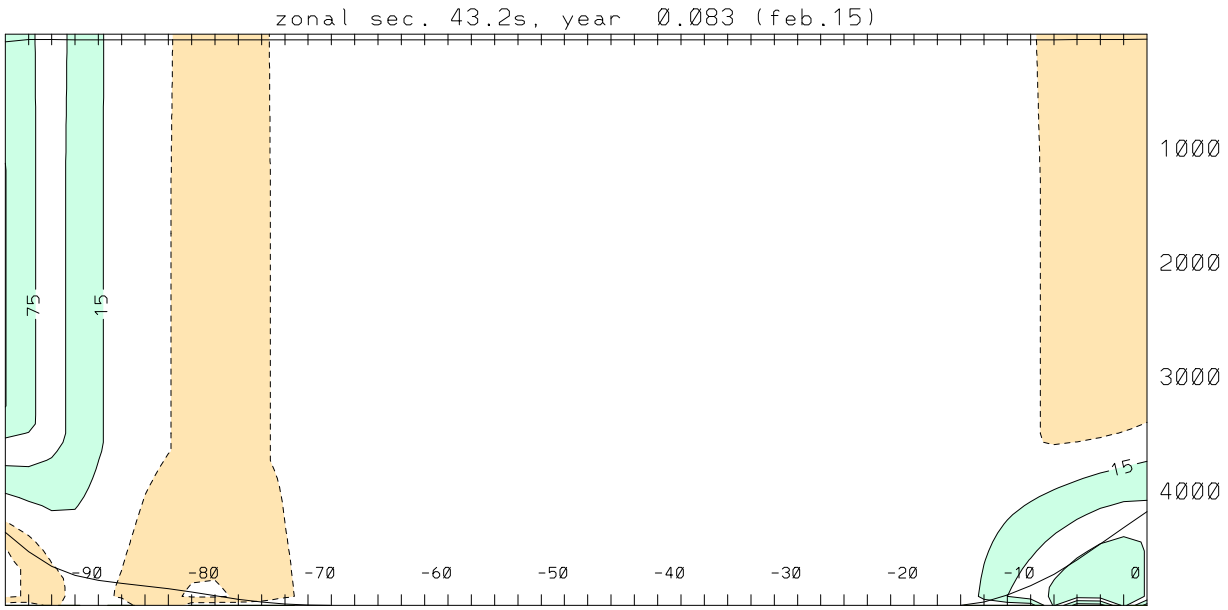
zonal sec. 43.2s, year 0.083 (feb.15)
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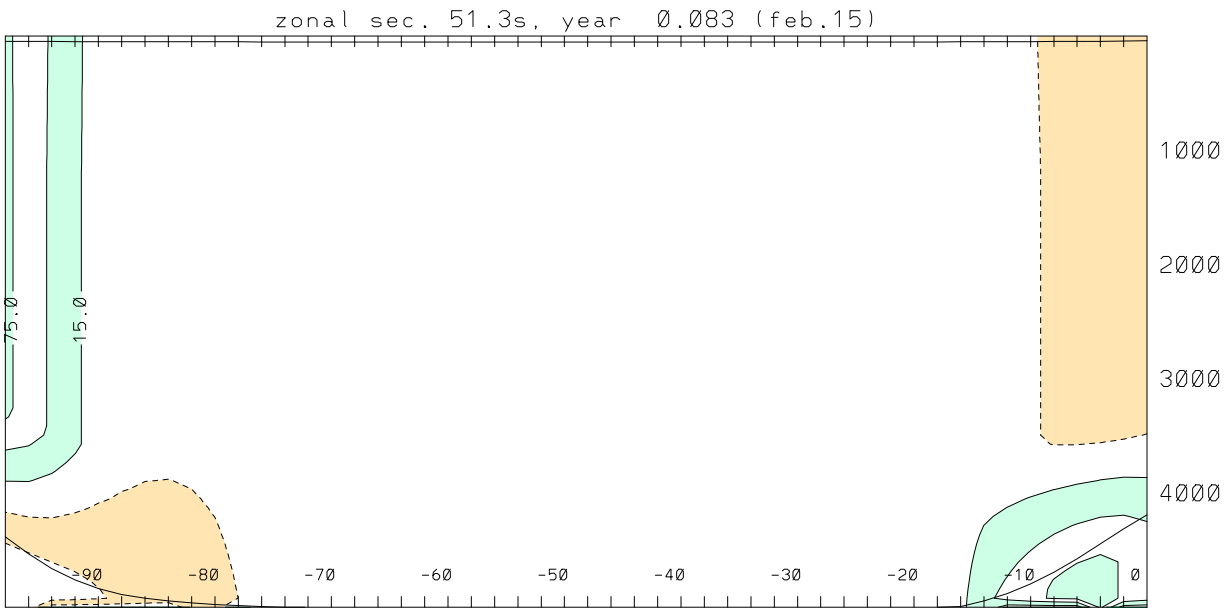
zonal sec. 51.3s, year 0.083 (feb.15)
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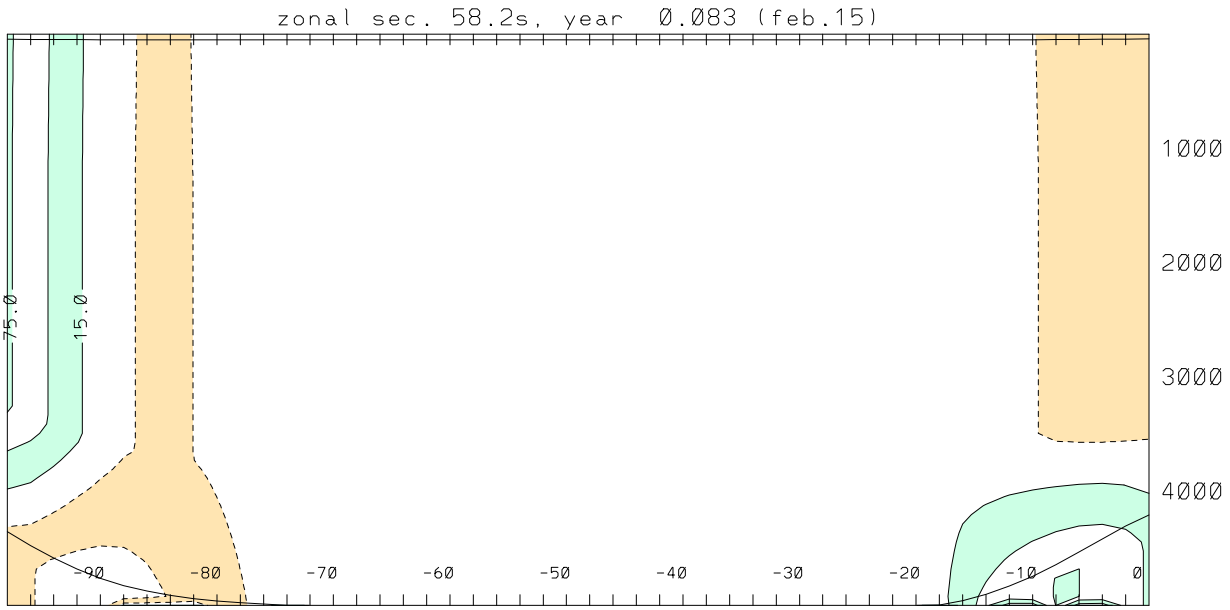
zonal sec. 58.2s, year 0.083 (feb.15)
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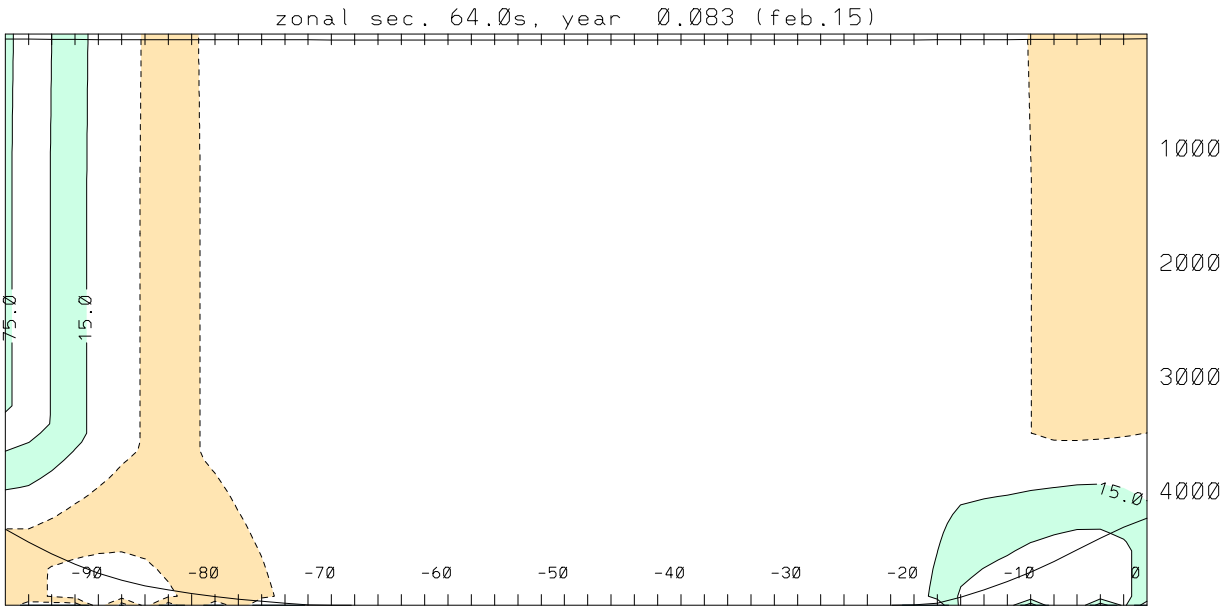
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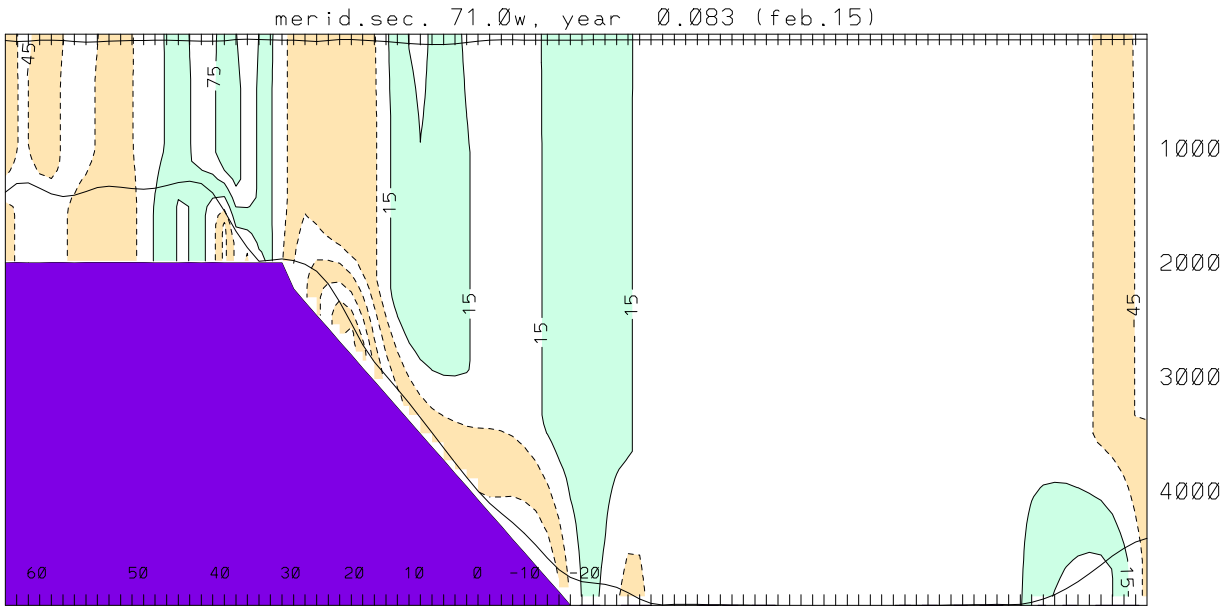
merid.sec. 71.0w, year 0.083 (feb.15)
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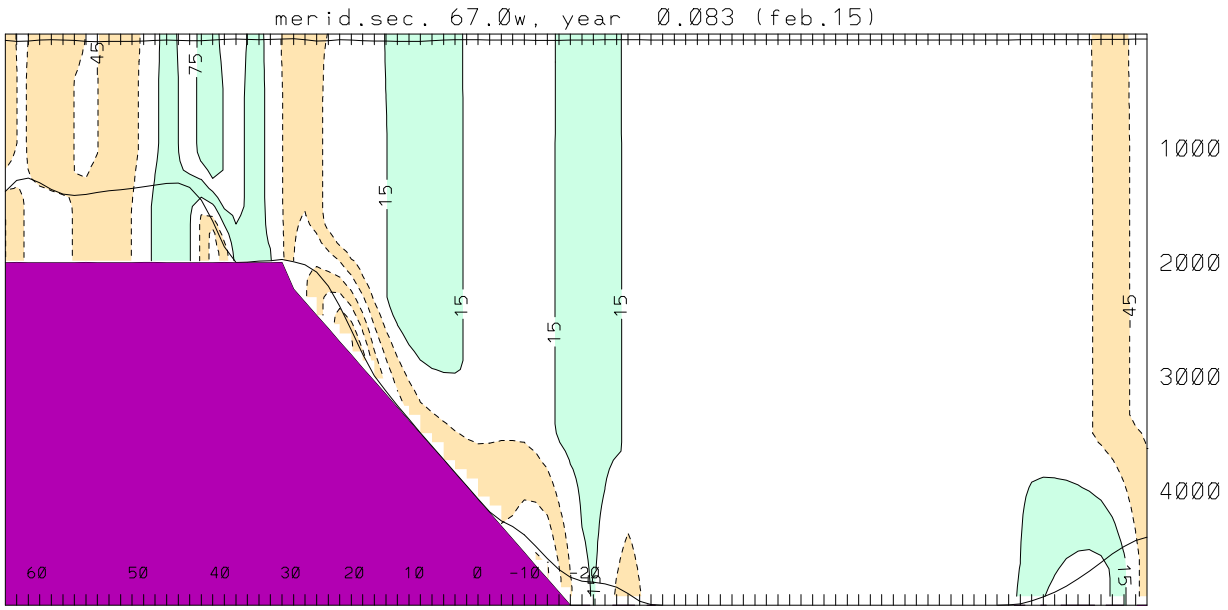
merid.sec. 67.0w, year 0.083 (feb.15)
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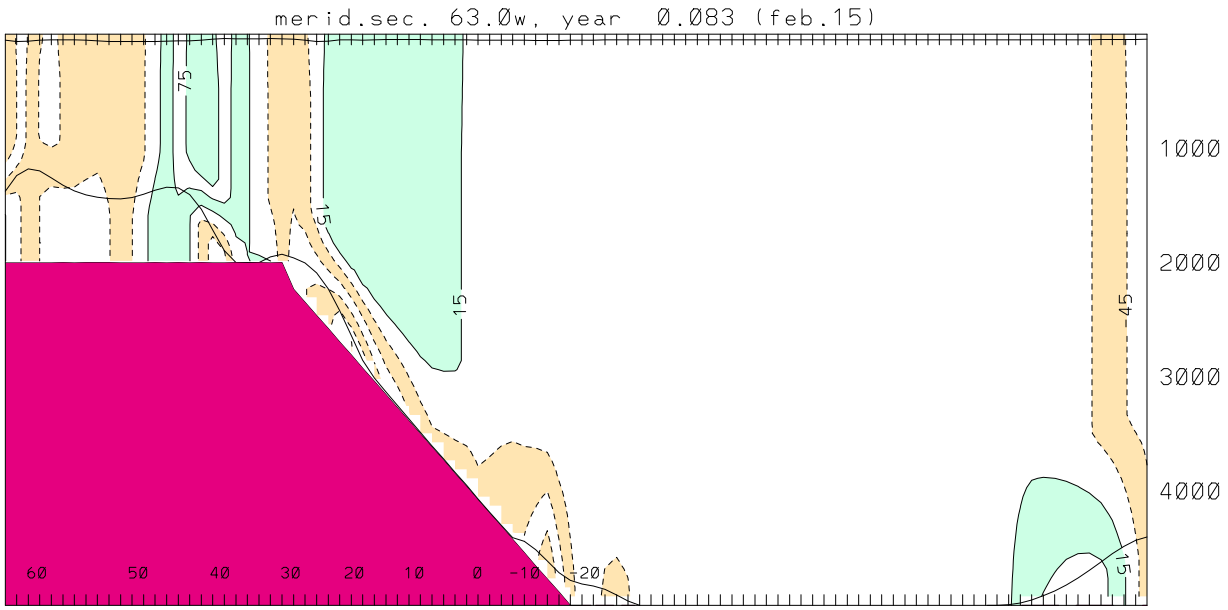
merid.sec. 63.0w, year 0.083 (feb.15)
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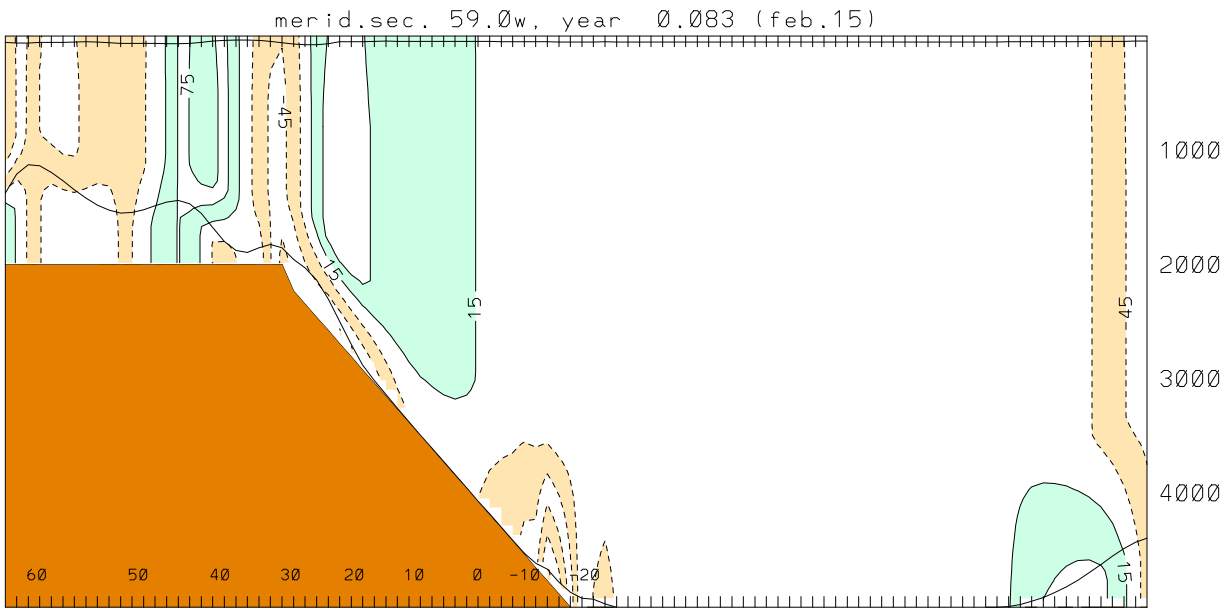
merid.sec. 59.0w, year 0.083 (feb.15)
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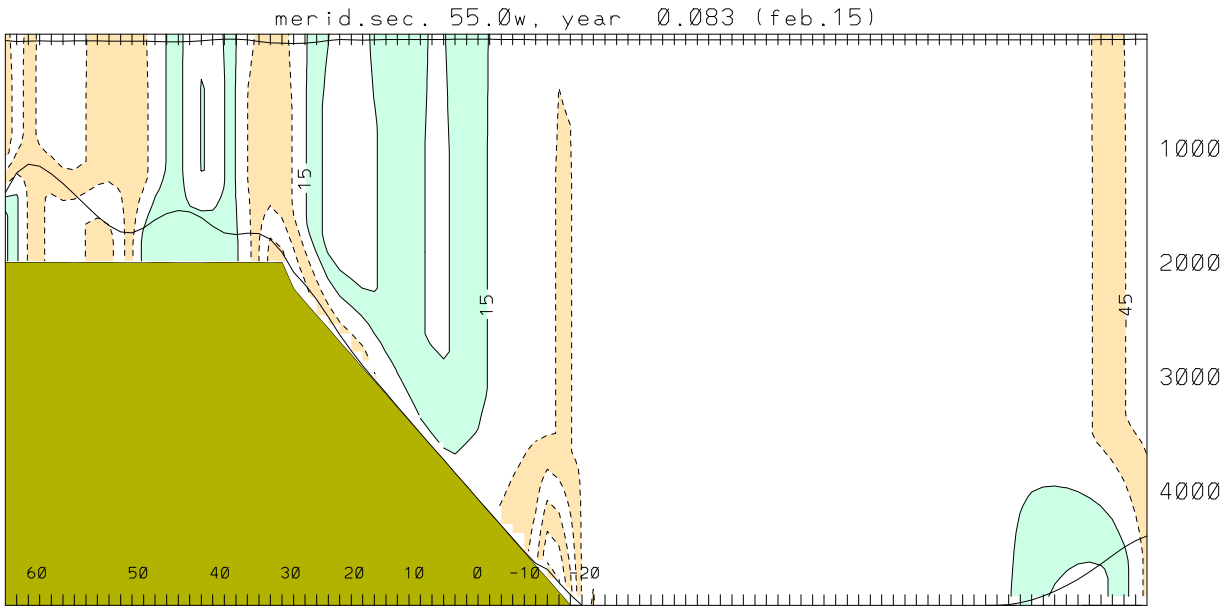
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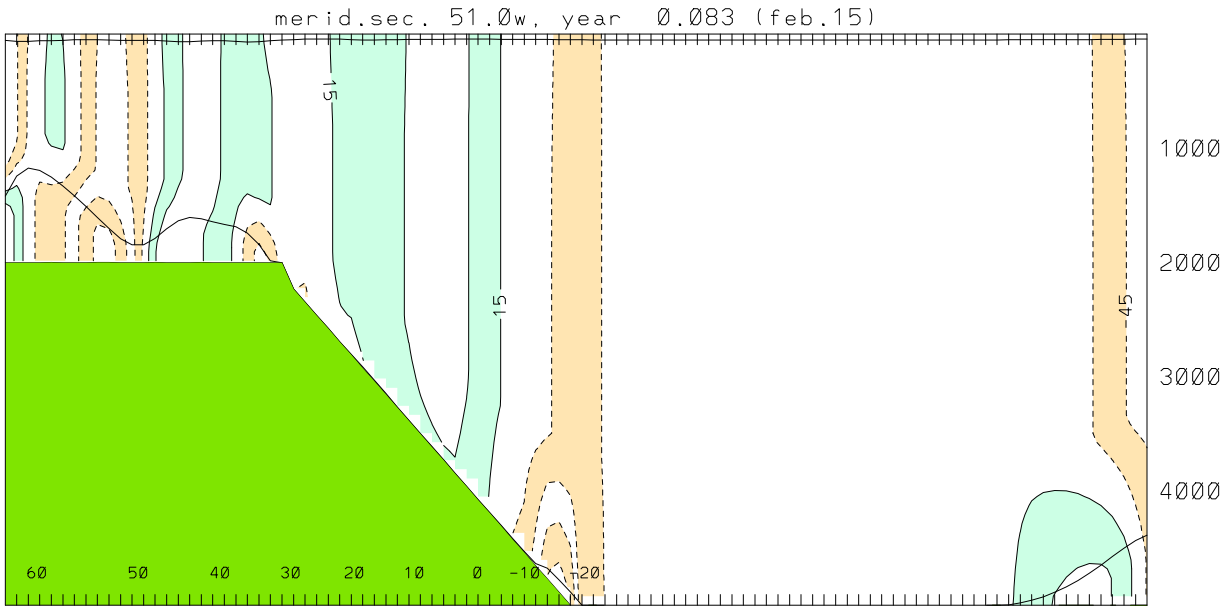
merid.sec. 51.0w, year 0.083 (feb.15)
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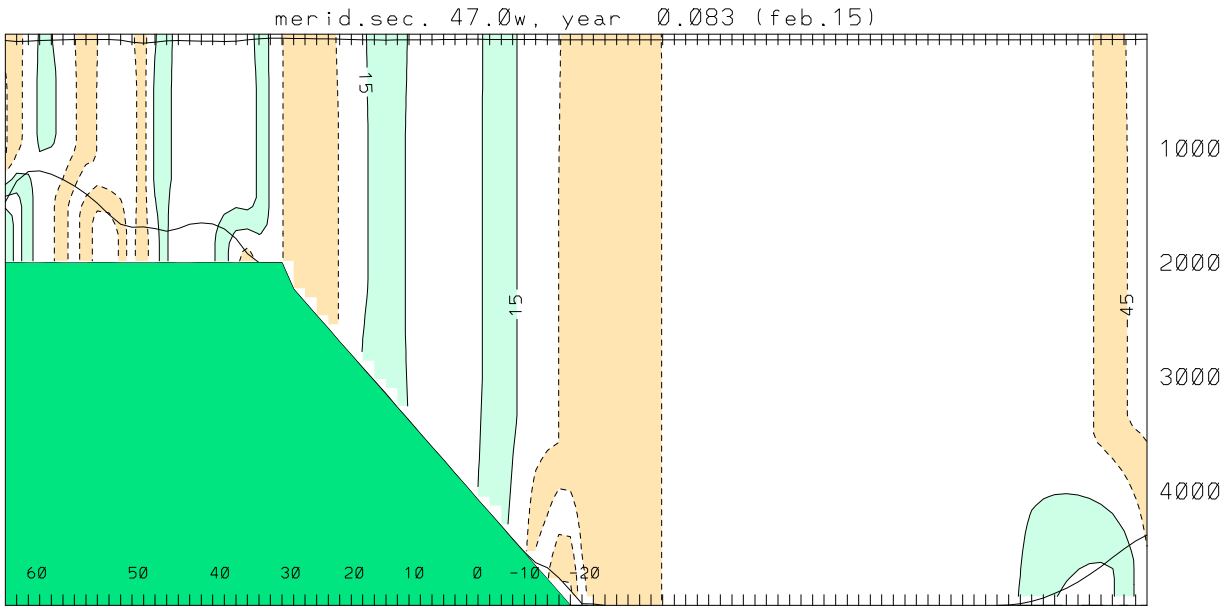
merid.sec. 47.0w, year 0.083 (feb.15)
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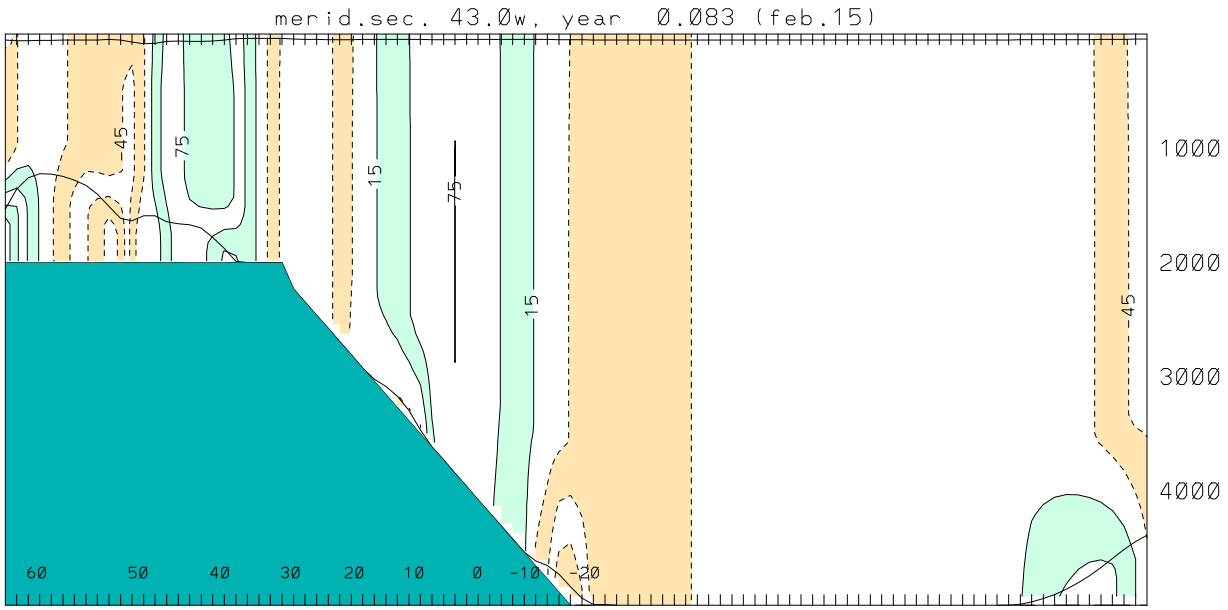
merid.sec. 43.0w, year 0.083 (feb.15)
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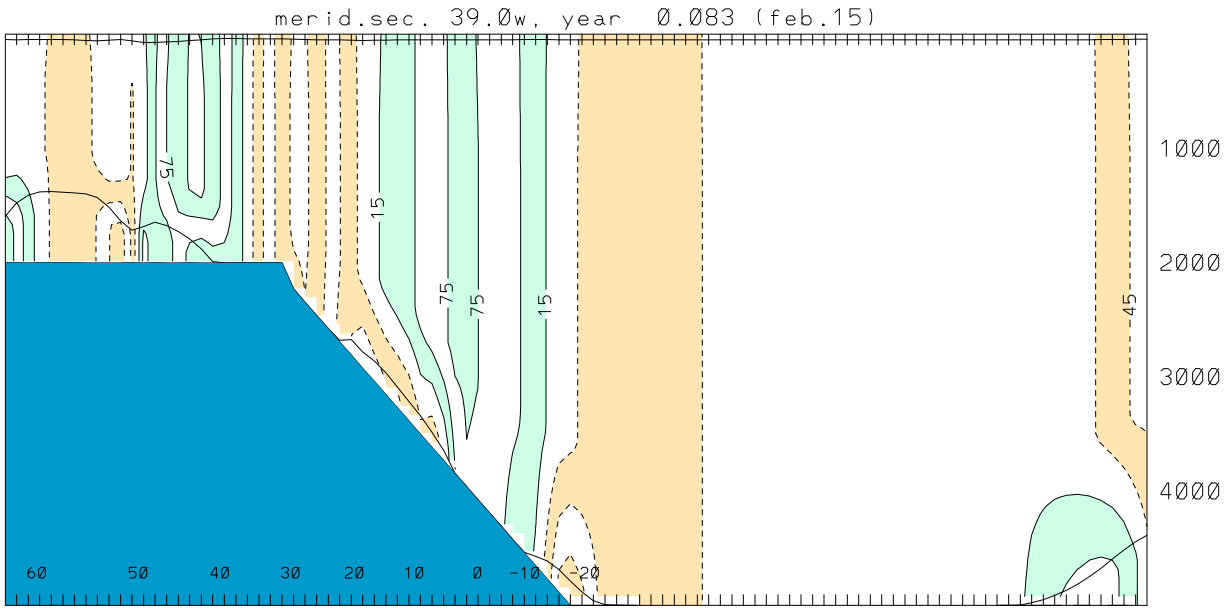
merid.sec. 39.0w, year 0.083 (feb.15)
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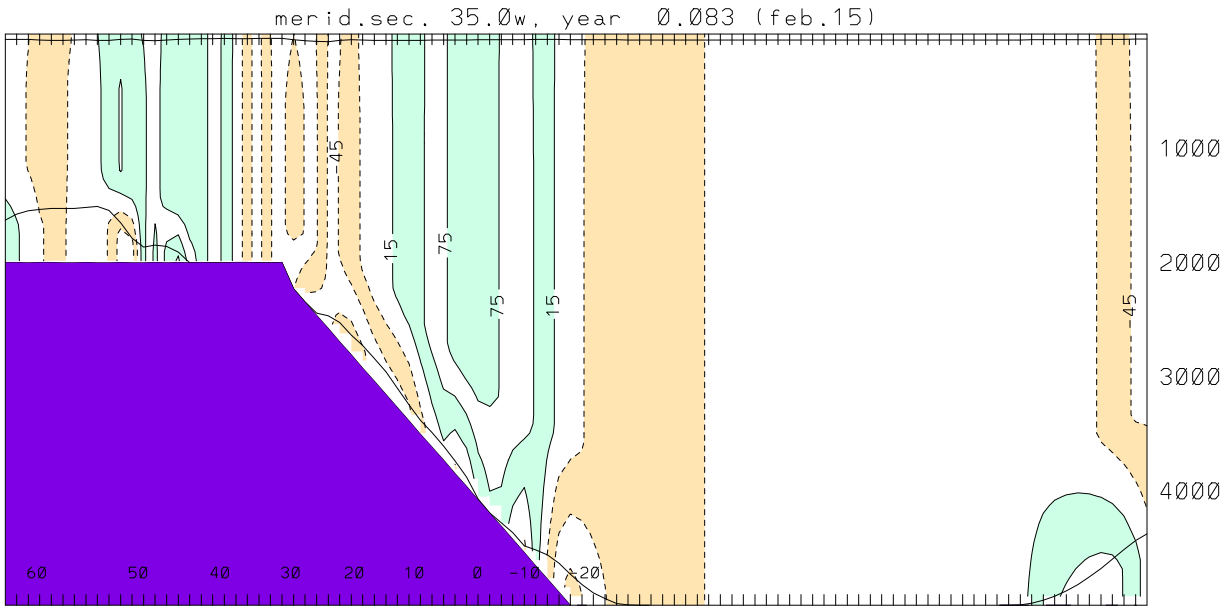
merid.sec. 35.0w, year 0.083 (feb.15)
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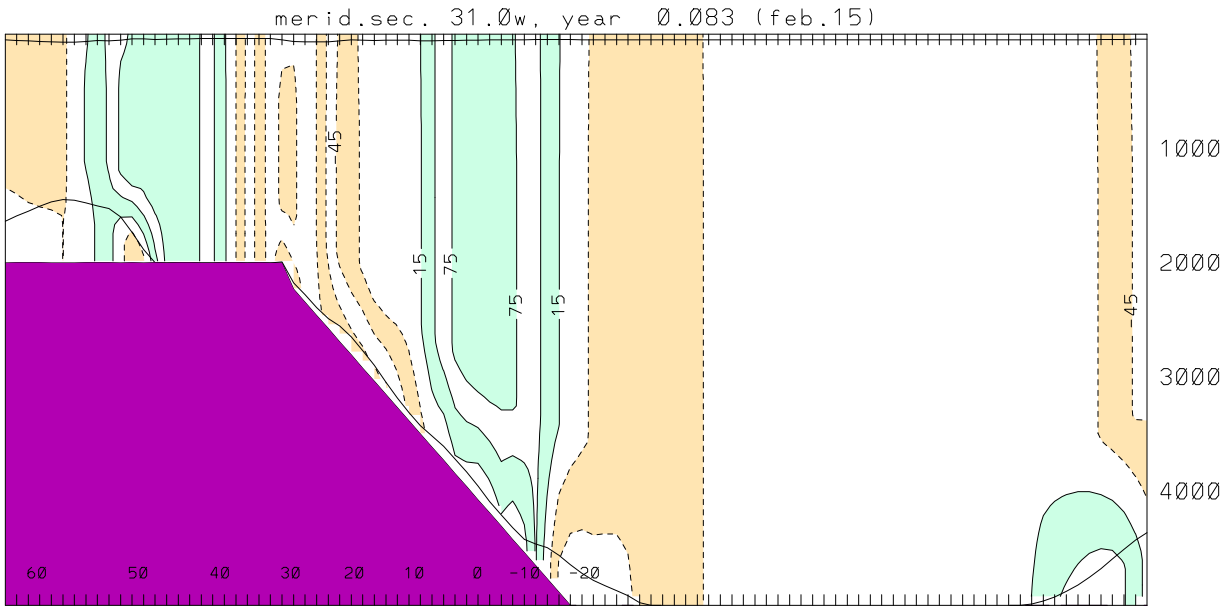
merid.sec. 31.0w, year 0.083 (feb.15)
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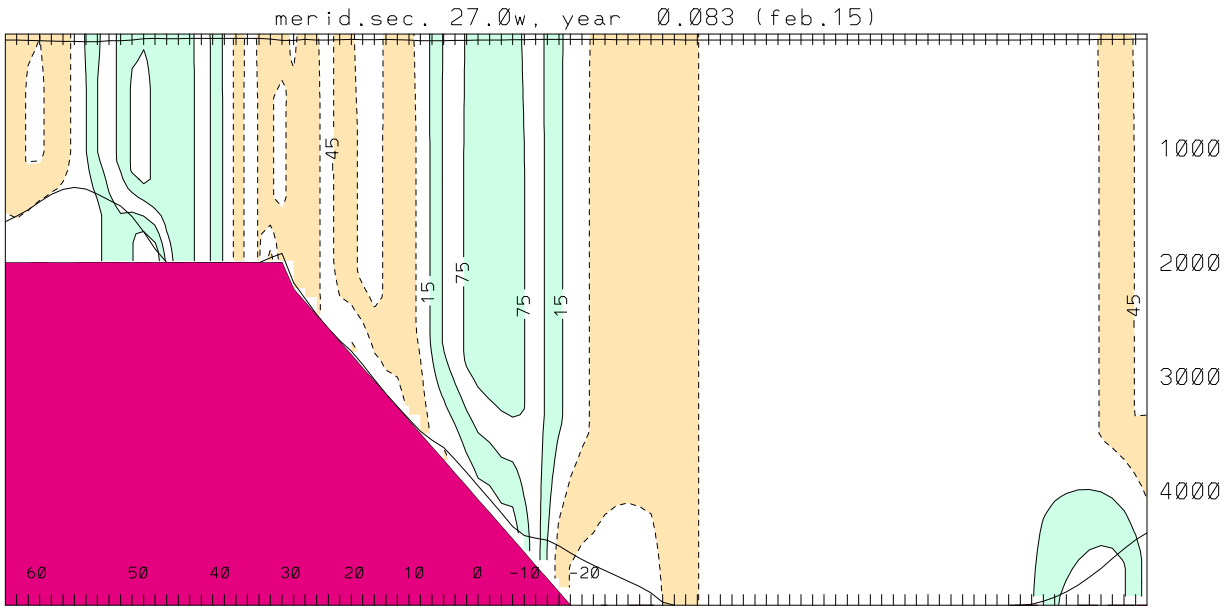
merid.sec. 27.0w, year 0.083 (feb.15)
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