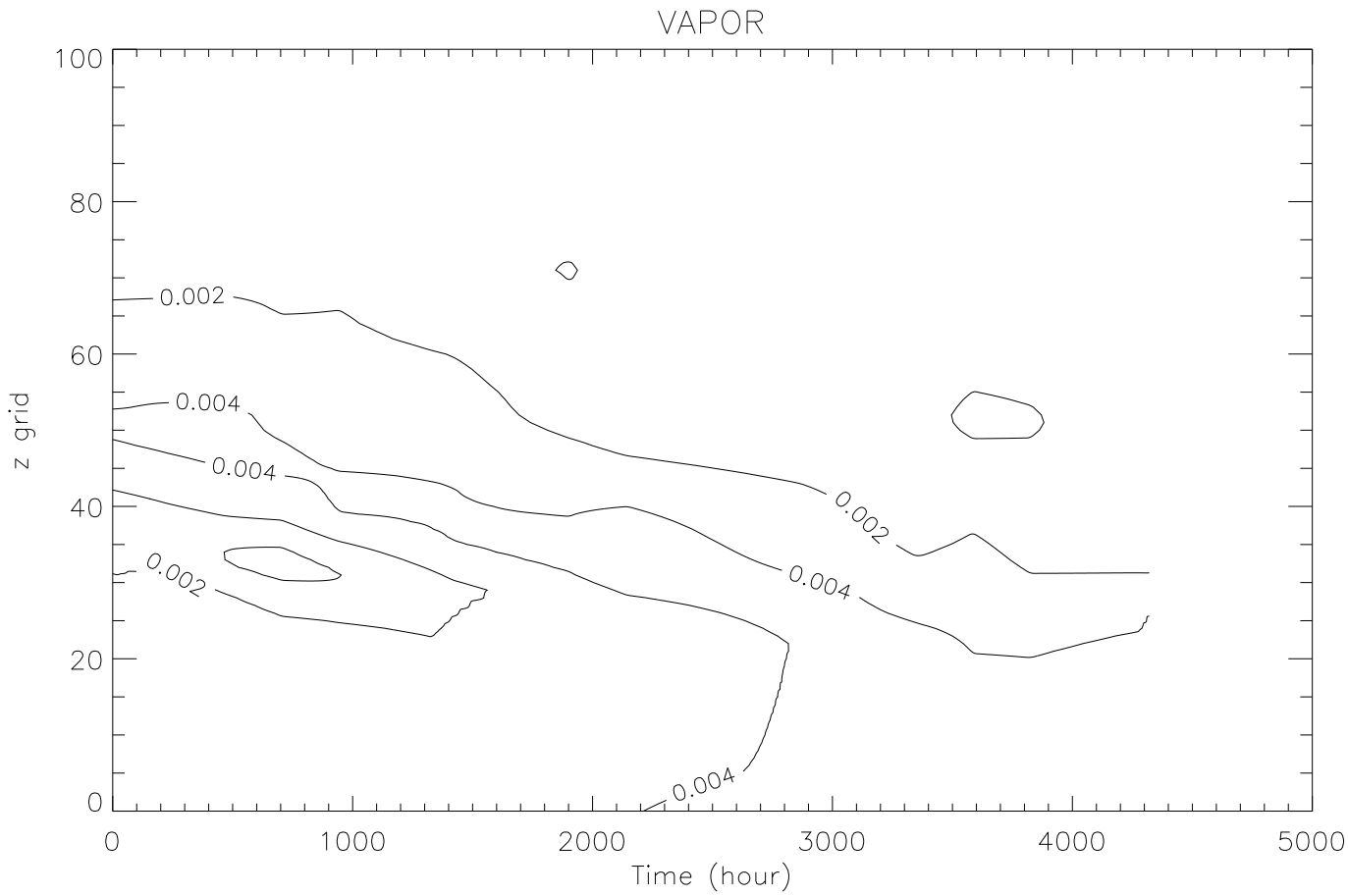
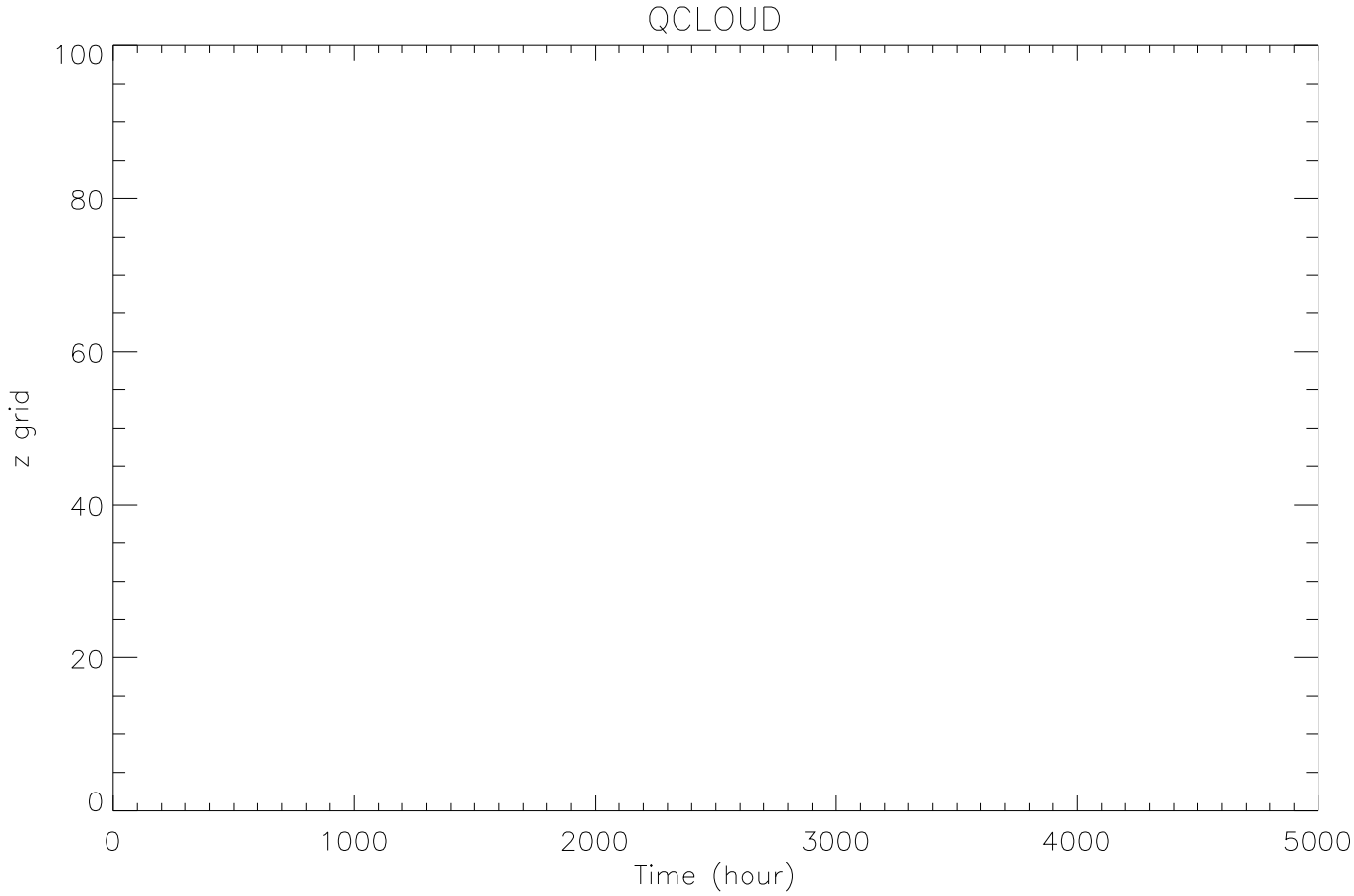
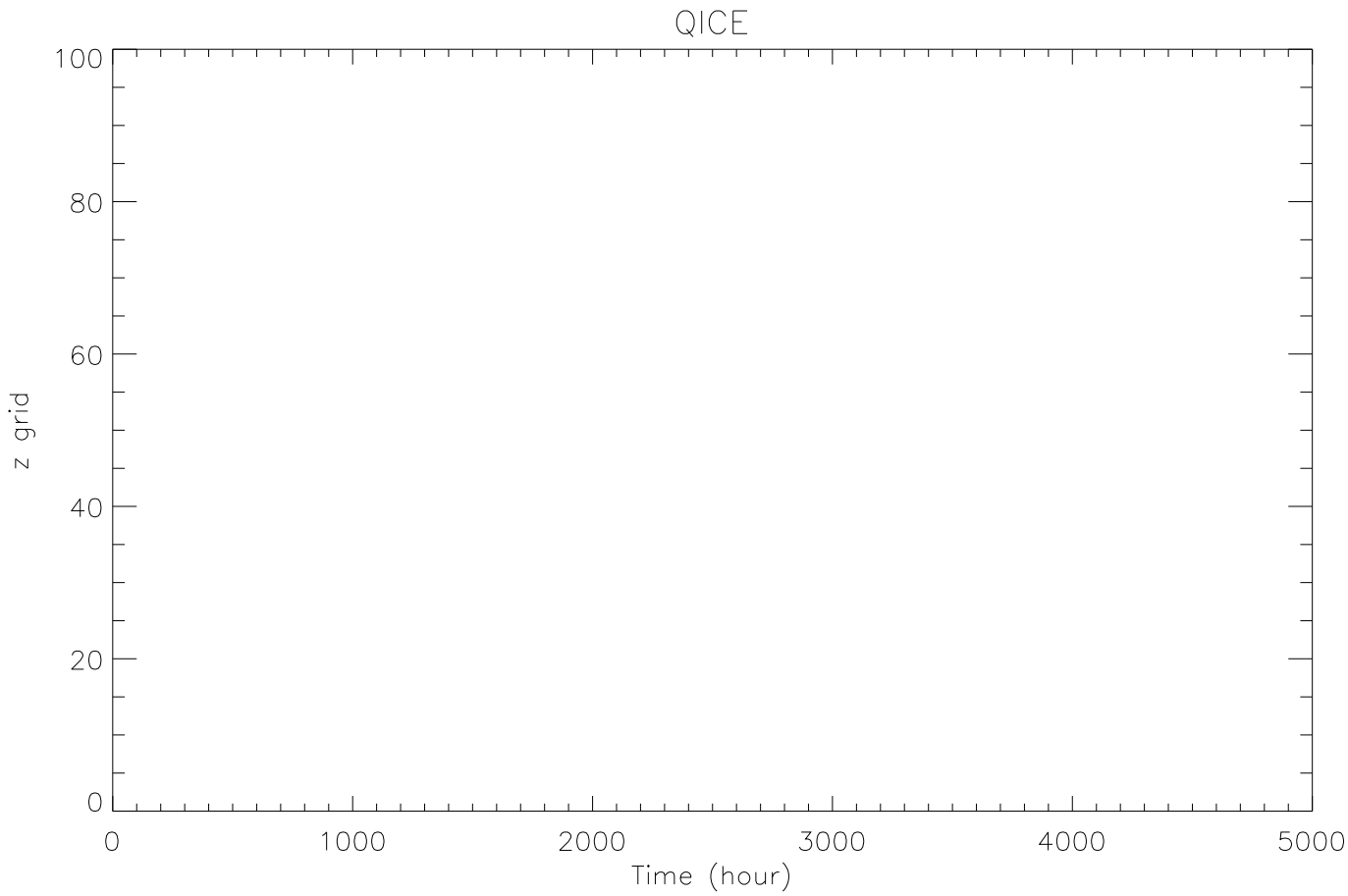
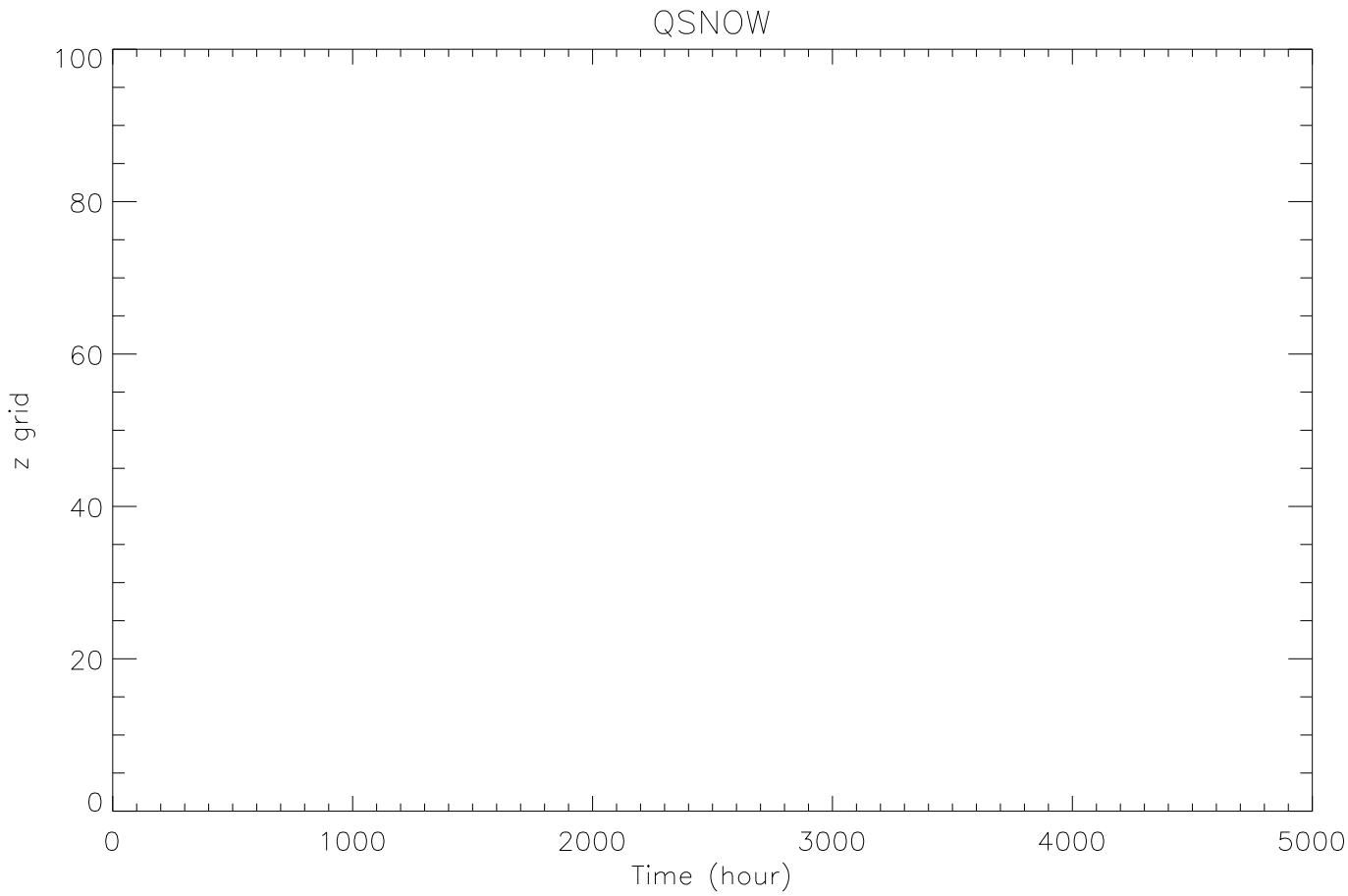
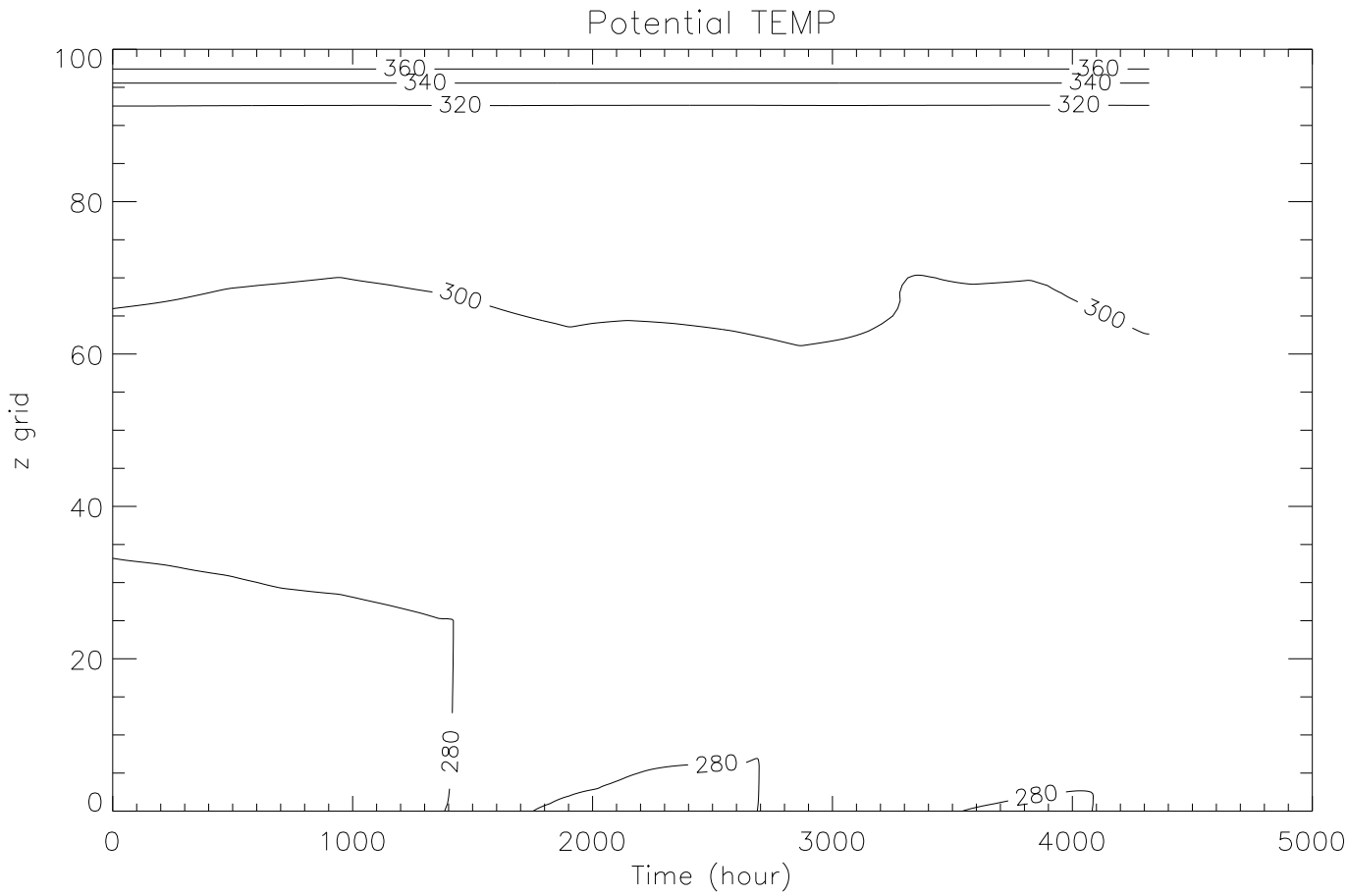
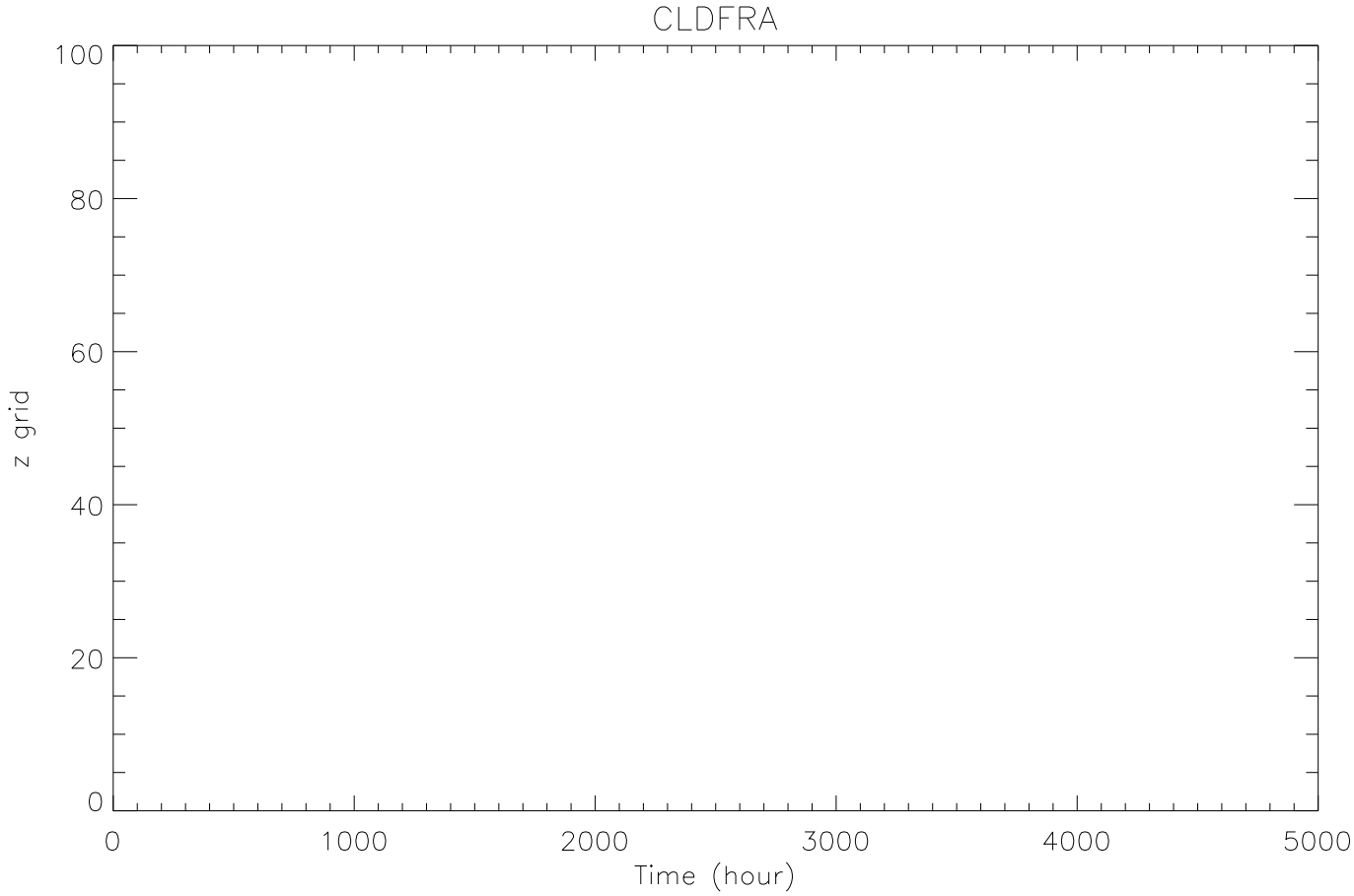

VAPOR
z grid
Time (hour)
0.002
0.004
0.004
0.002
0.002
0.004
0.004
0
20
40
60
80
100
0
1000
2000
3000
4000
5000

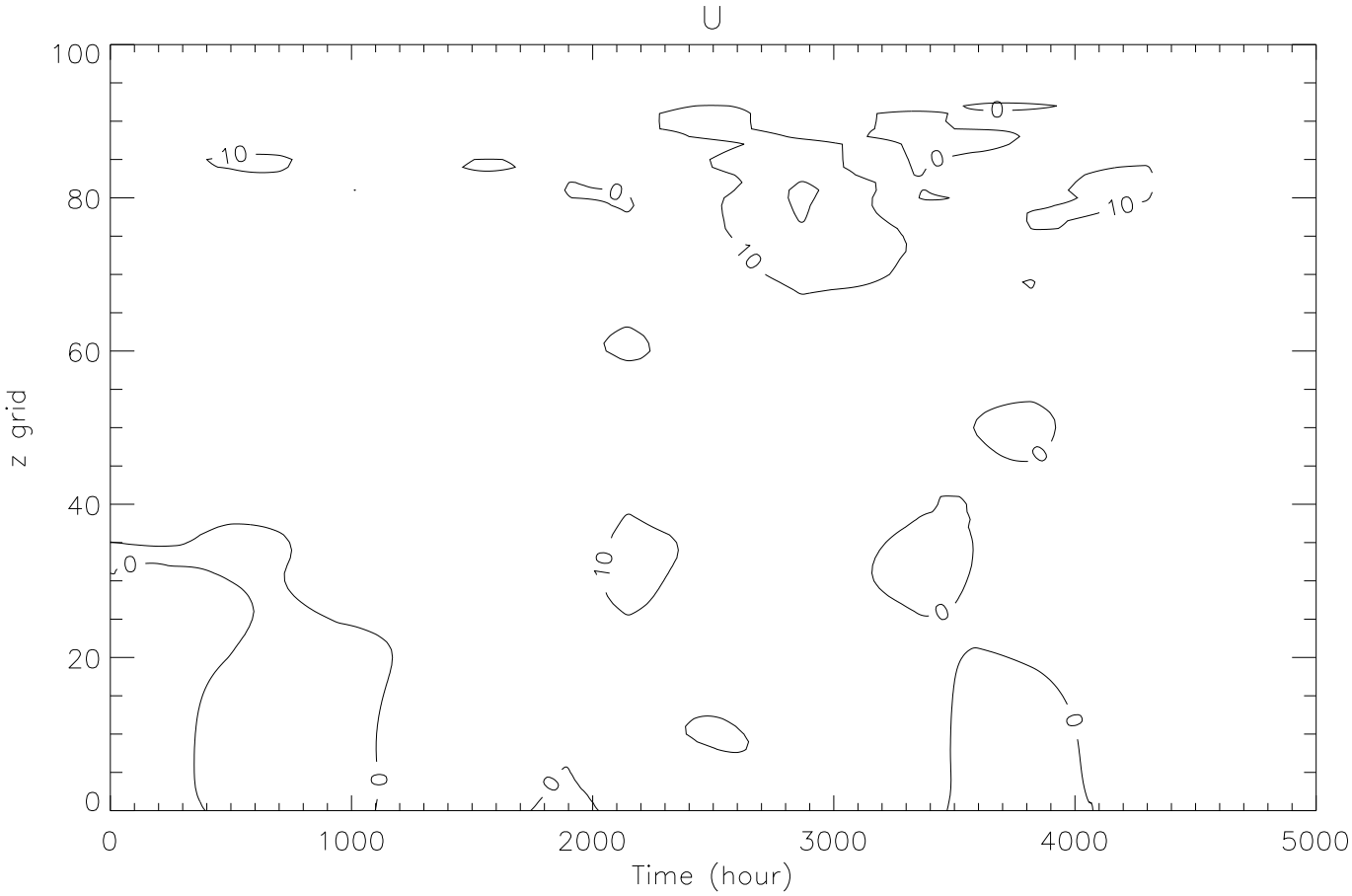

QCLOUD
z grid
Time (hour)
0
20
40
60
80
100
0
1000
2000
3000
4000
5000

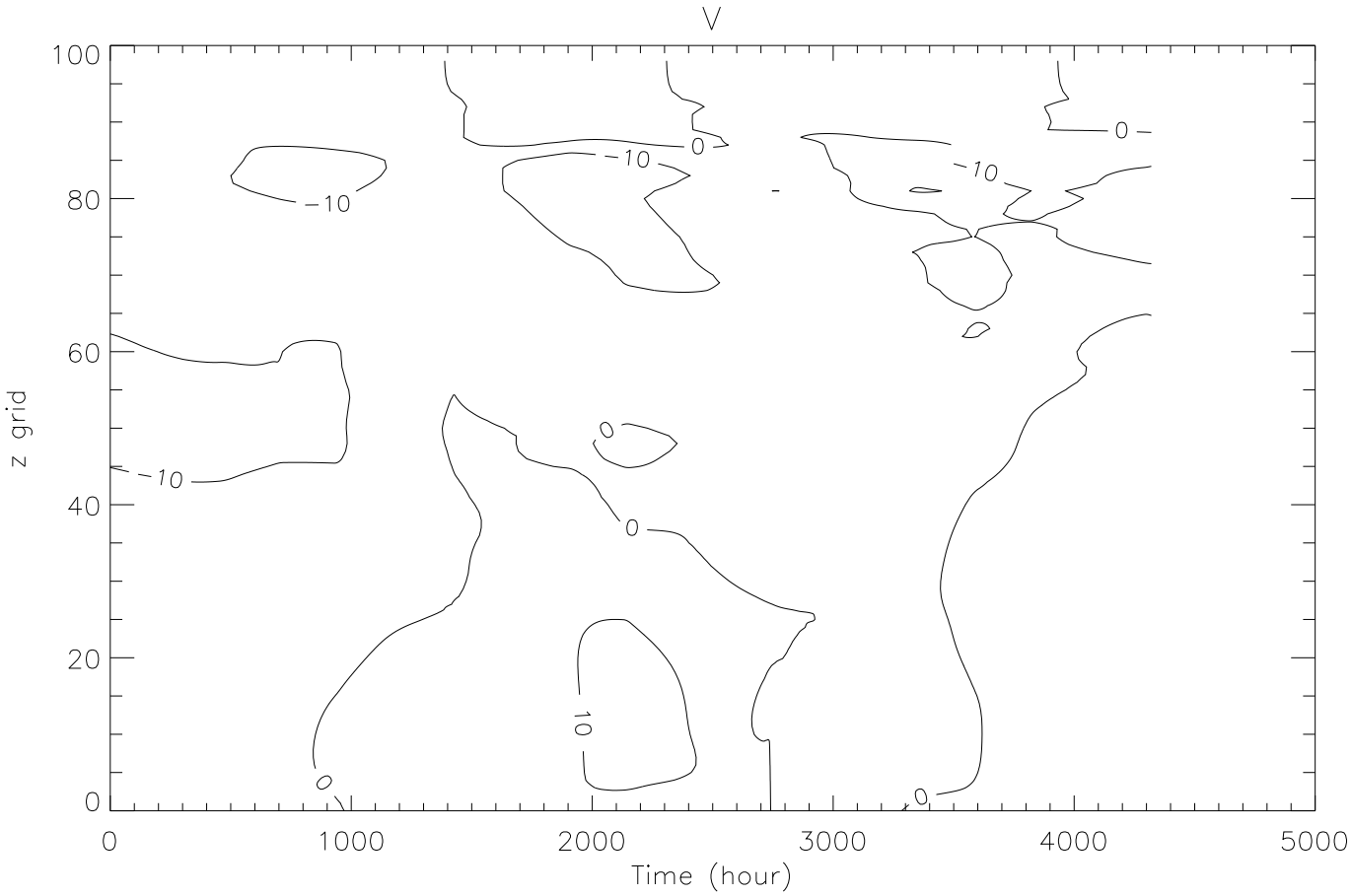

QICE
100
80
60
40
20
0
z grid
0
1000
2000
3000
4000
5000
Time (hour)

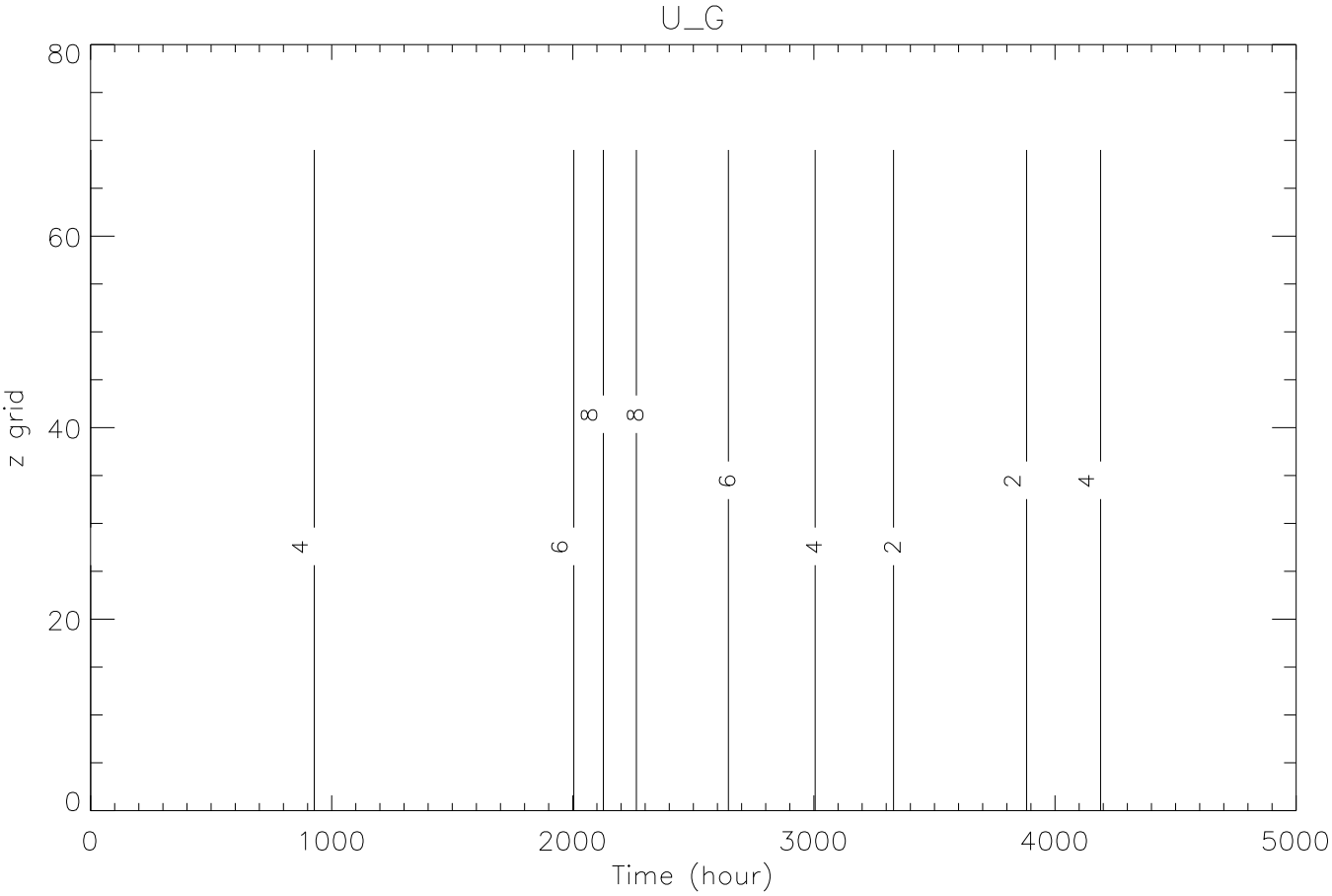

QSNOW
100
80
60
40
20
0
z grid
0
1000
2000
3000
4000
5000
Time (hour)

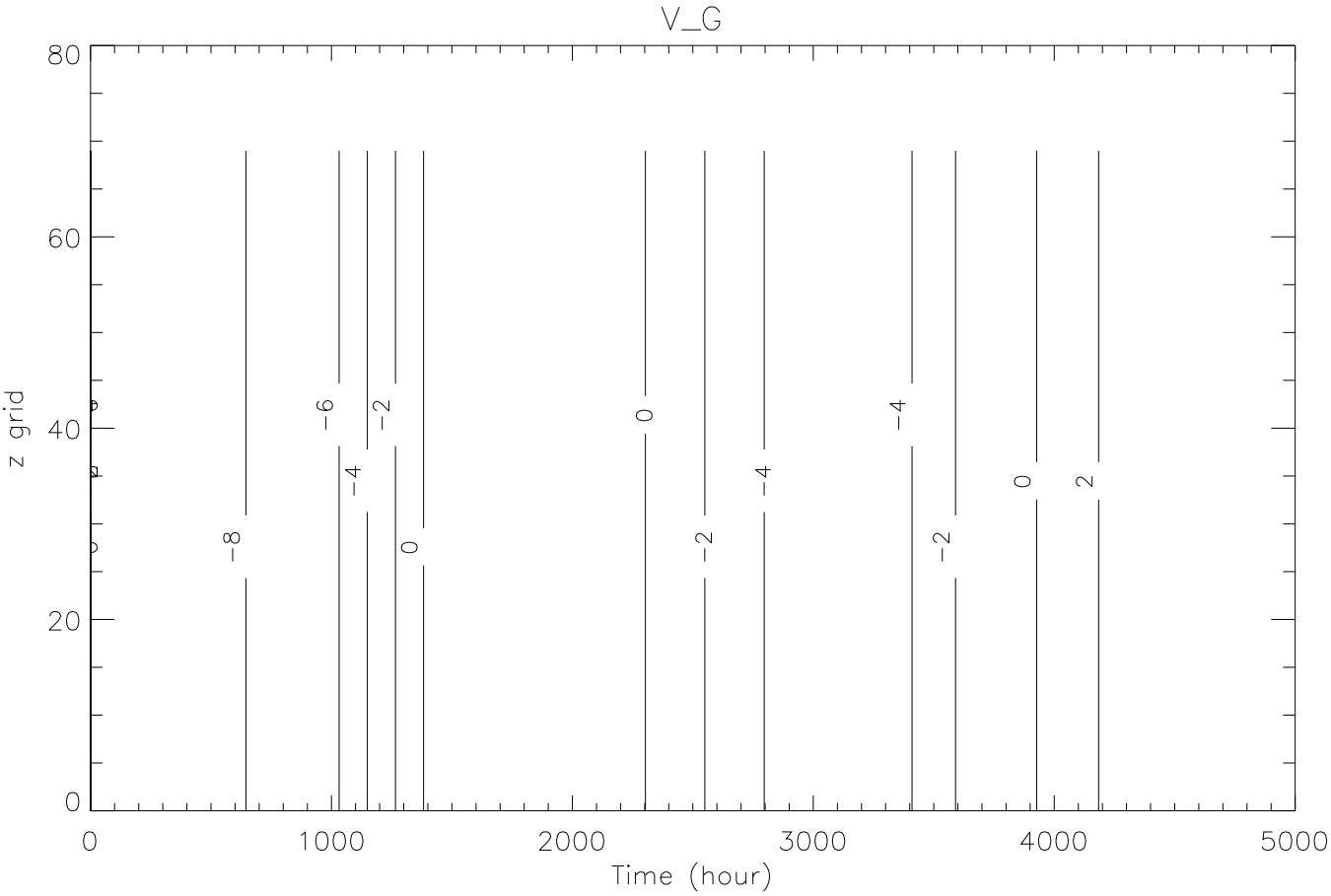

Potential TEMP
360
340
320
300
280
z grid
Time (hour)
0
20
40
60
80
100
1000
2000
3000
4000
5000

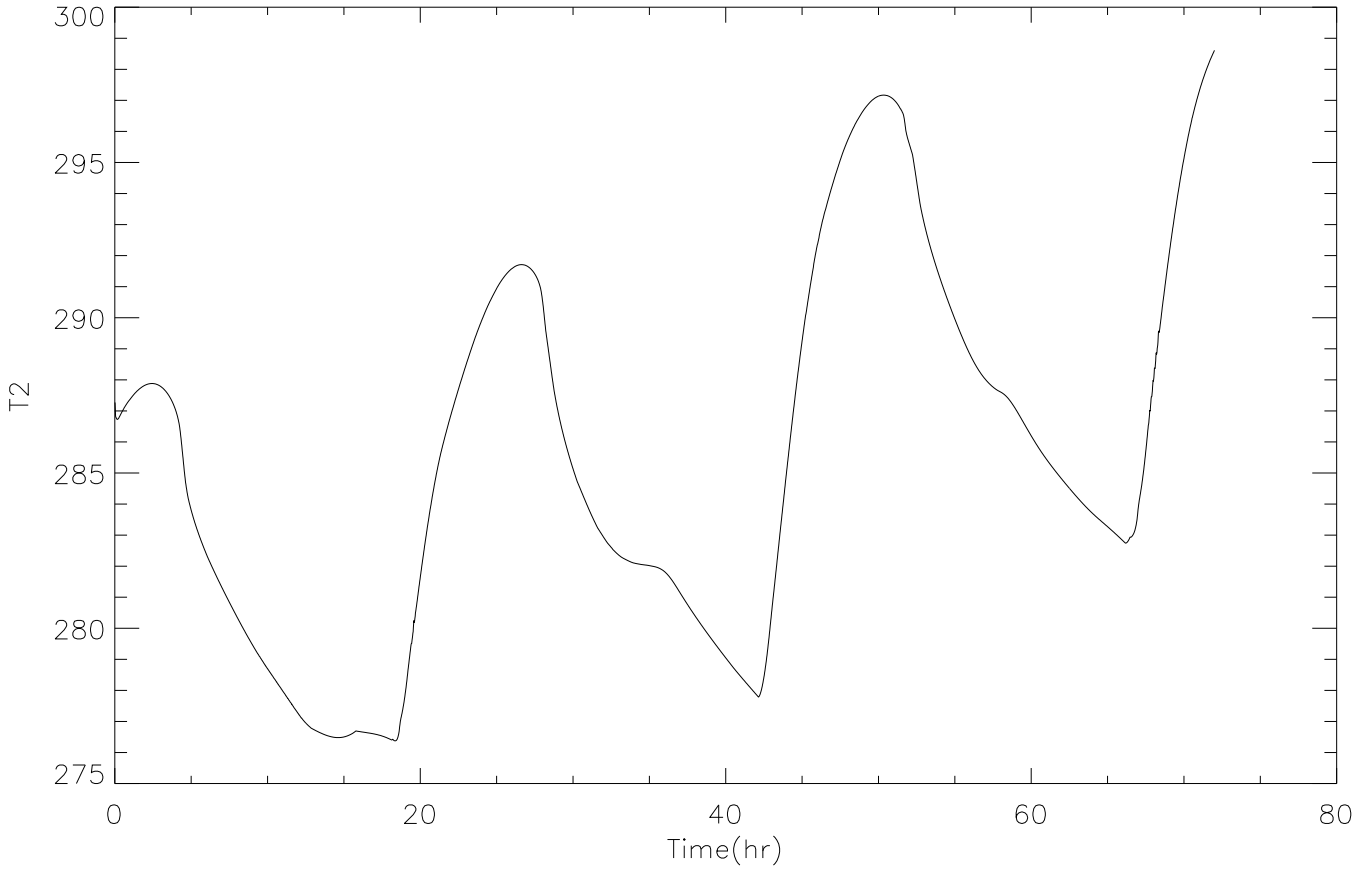

CLDFRA
z grid
Time (hour)
0
20
40
60
80
100
1000
2000
3000
4000
5000

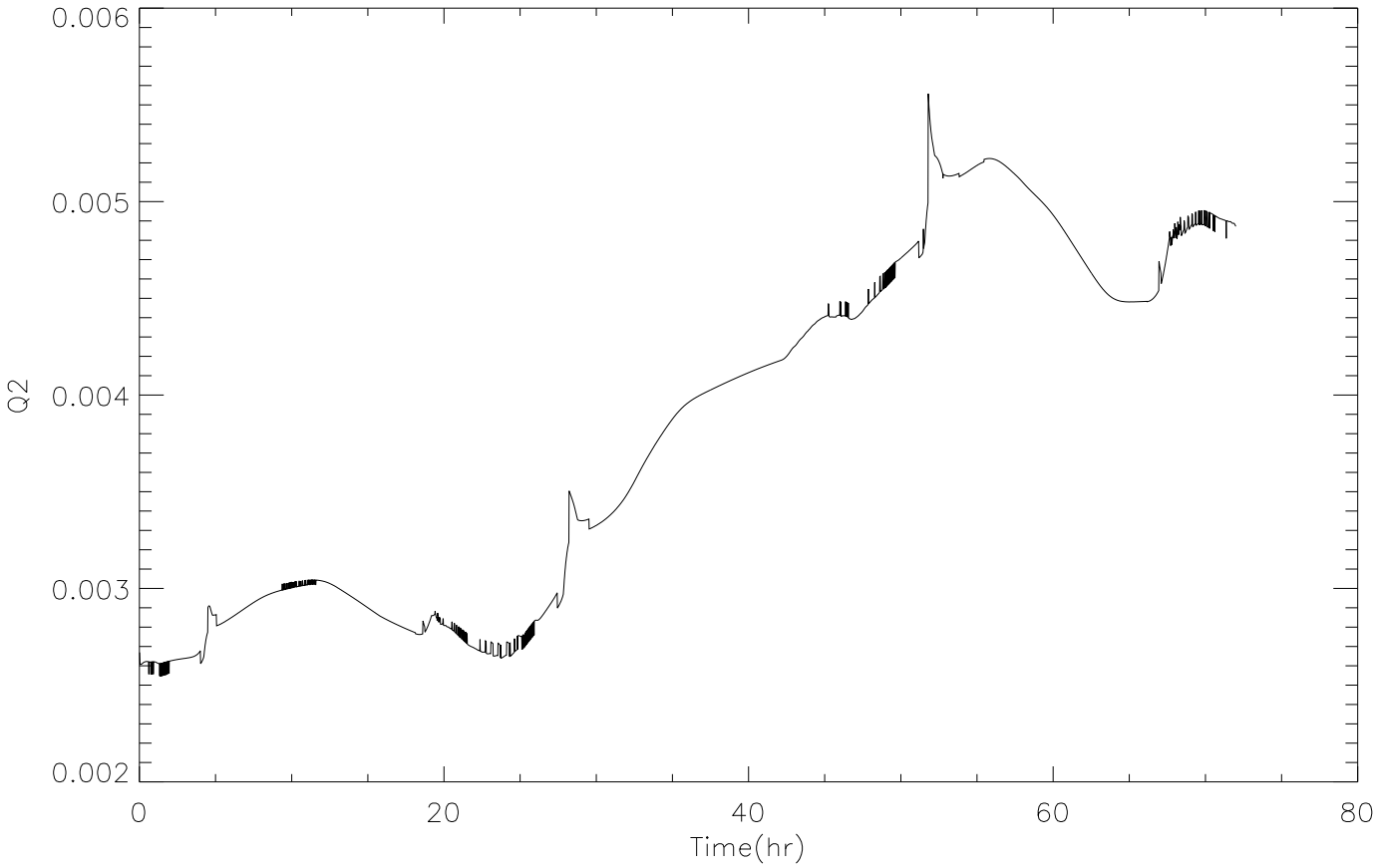

U
z grid
Time (hour)
0
20
40
60
80
100
0
1000
2000
3000
4000
5000
10
0

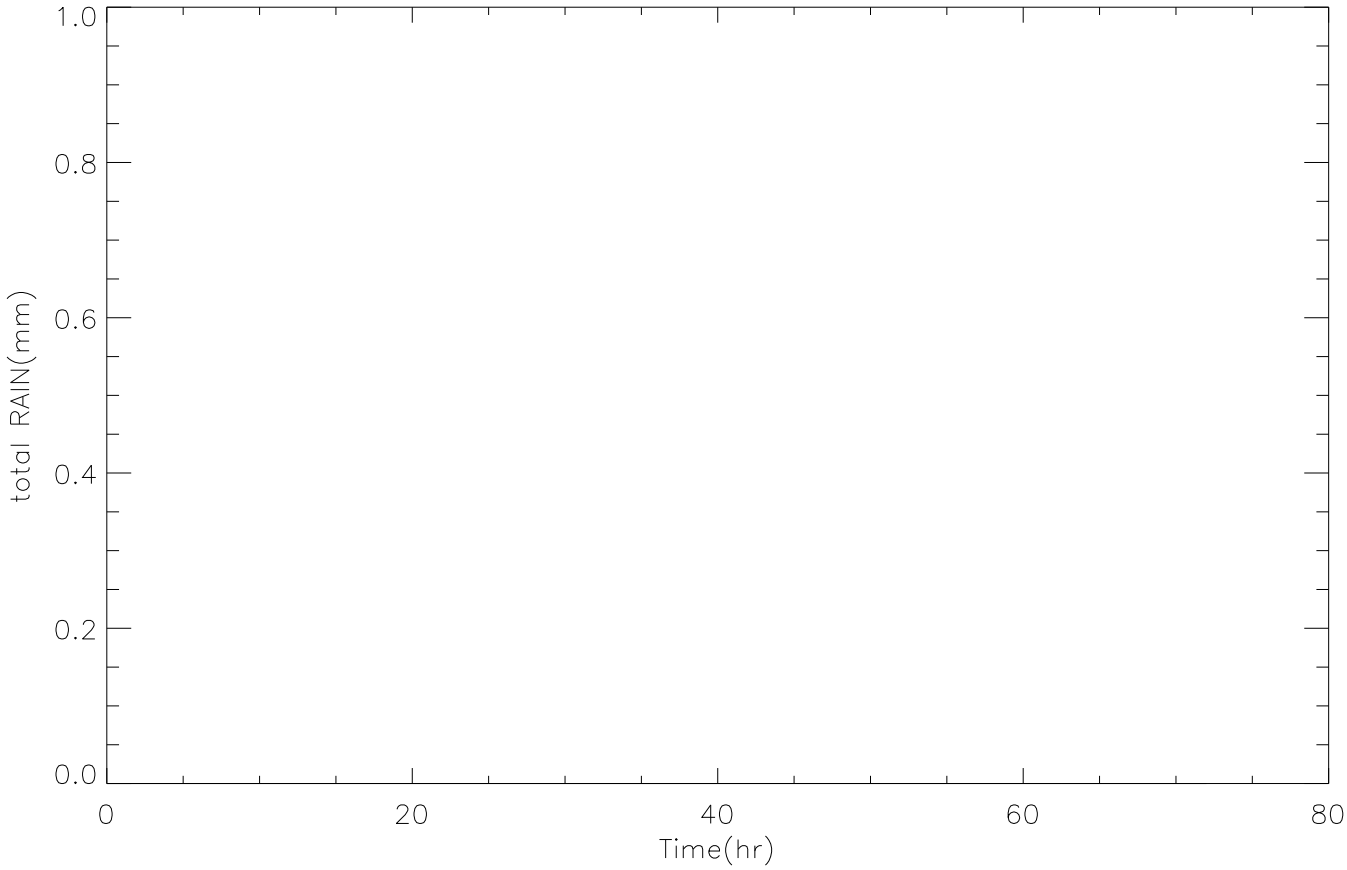

V
z grid
Time (hour)
0
20
40
60
80
100
0
1000
2000
3000
4000
5000
−10
0
10

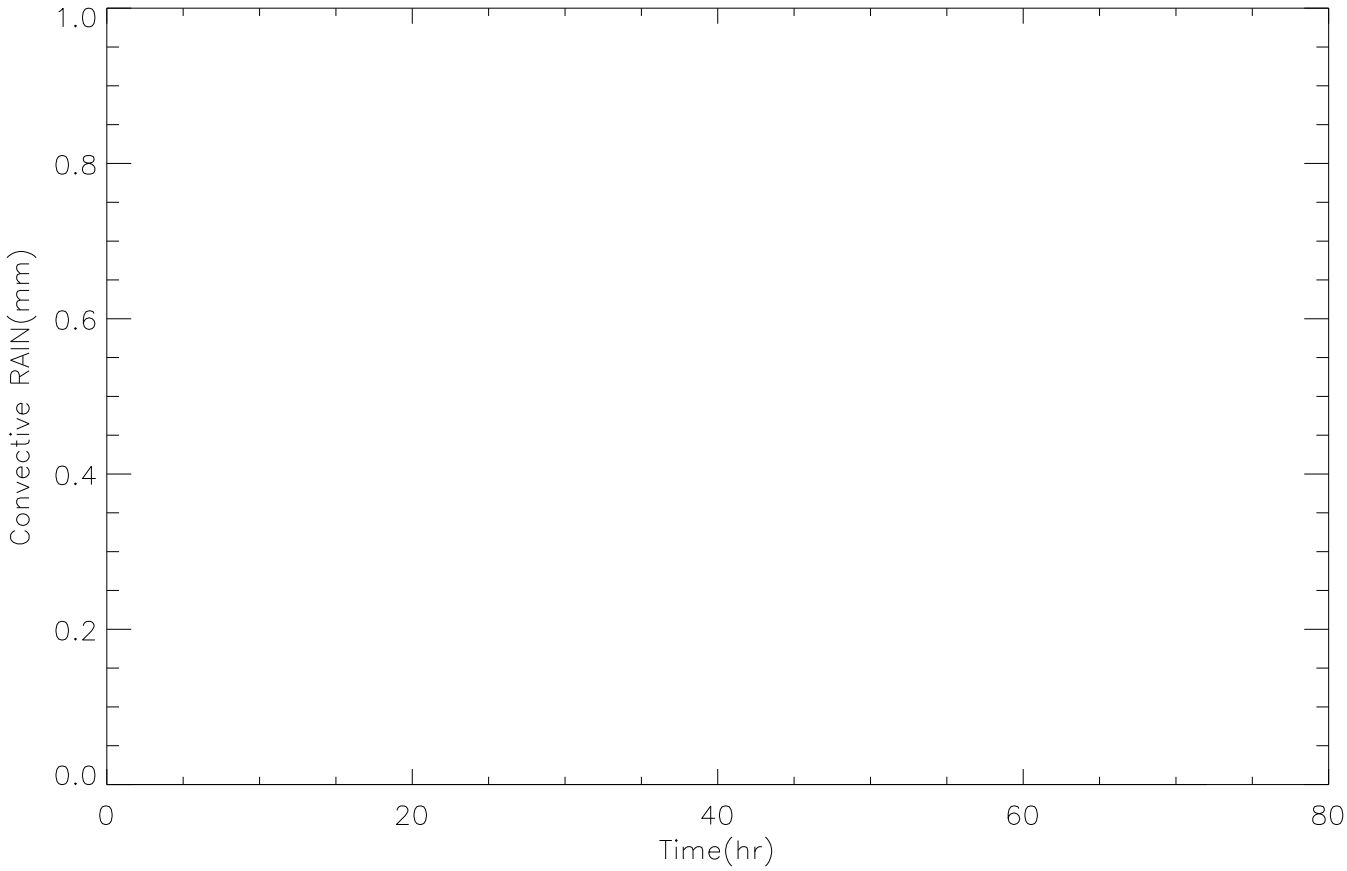

U_G
z grid
Time (hour)
0
20
40
60
80
0
1000
2000
3000
4000
5000
4
6
8
8
6
4
2
2
4

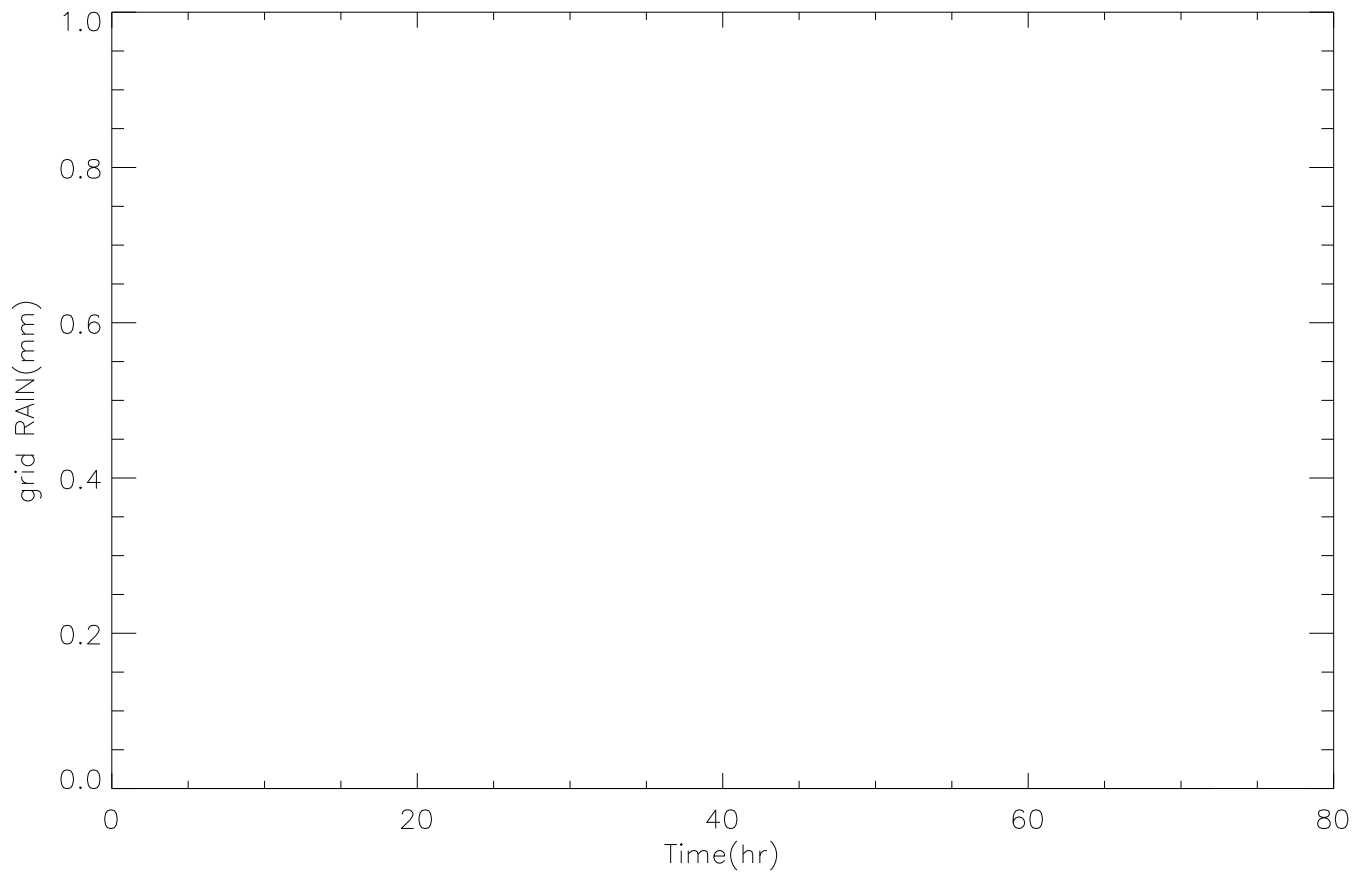

V_G
z grid
Time (hour)
0
20
40
60
80
0
1000
2000
3000
4000
5000
−8
−6
−4
−2
0
0
−2
−4
−4
−2
0
2

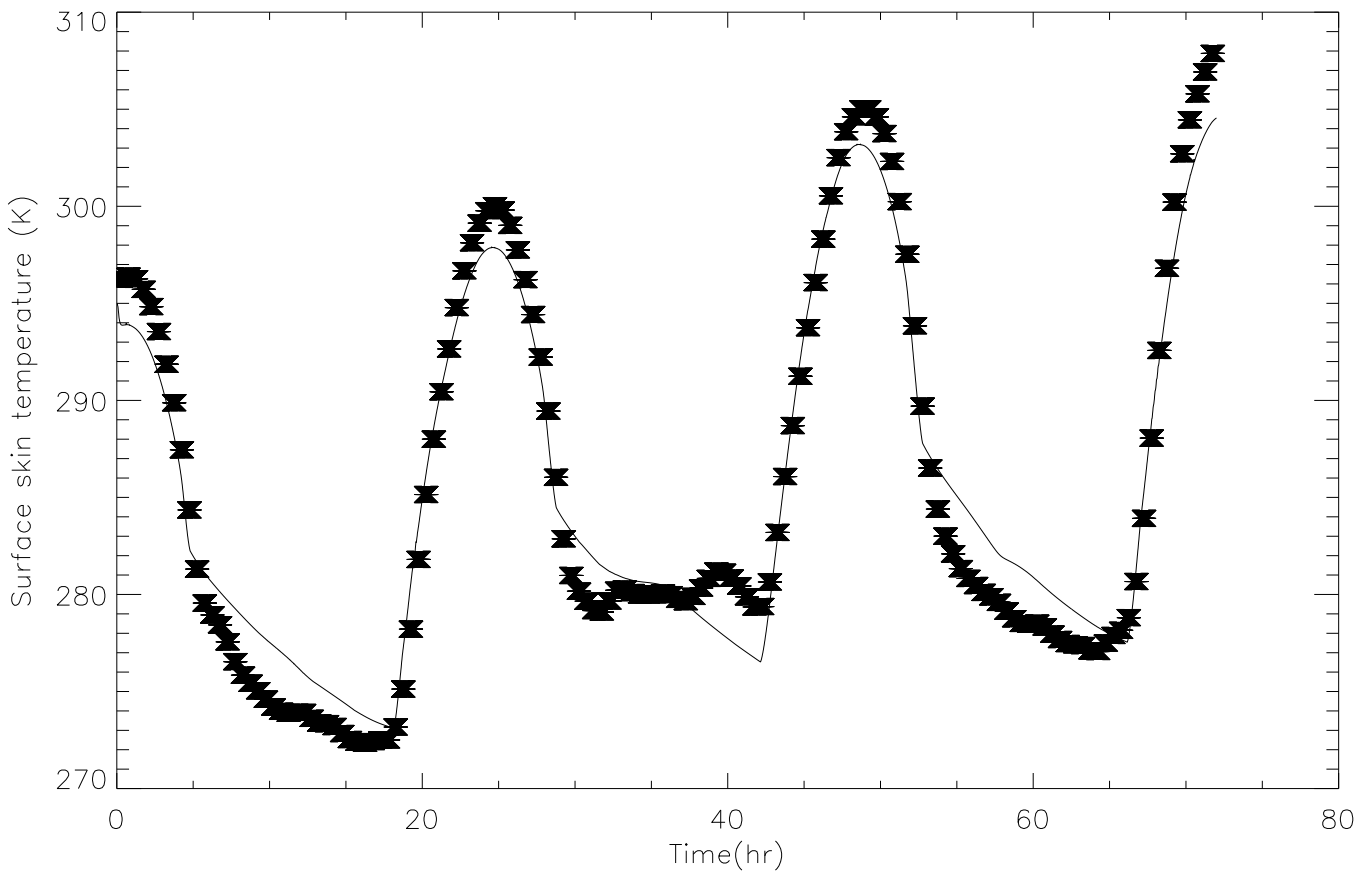

300
295
290
285
280
275
T2
0
20
40
60
80
Time(hr)

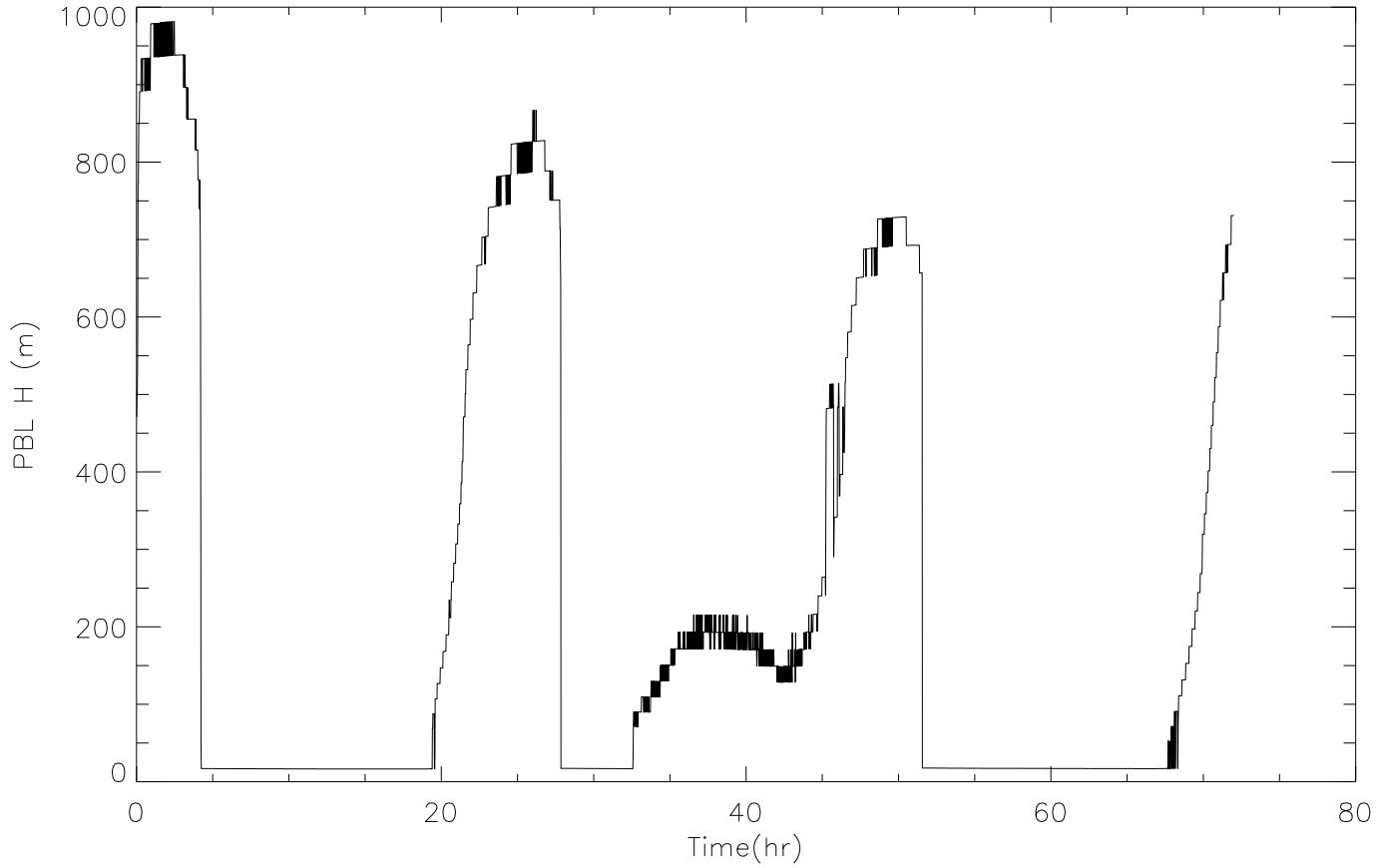

0.006
0.005
0.004
0.003
0.002
Q2
0
20
40
60
80
Time(hr)

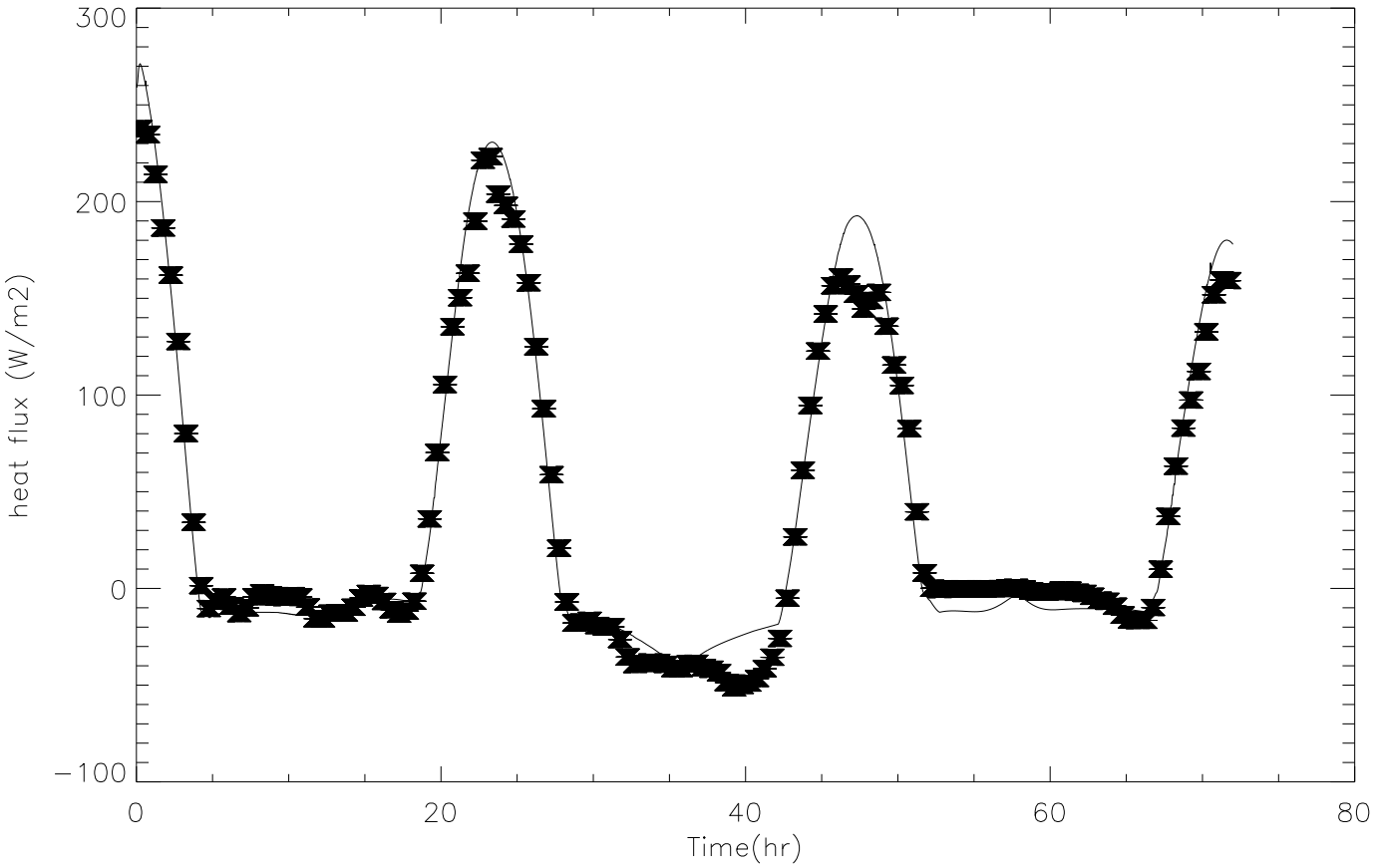

1.0
0.8
0.6
0.4
0.2
0.0
total RAIN(mm)
0
20
40
60
80
Time(hr)

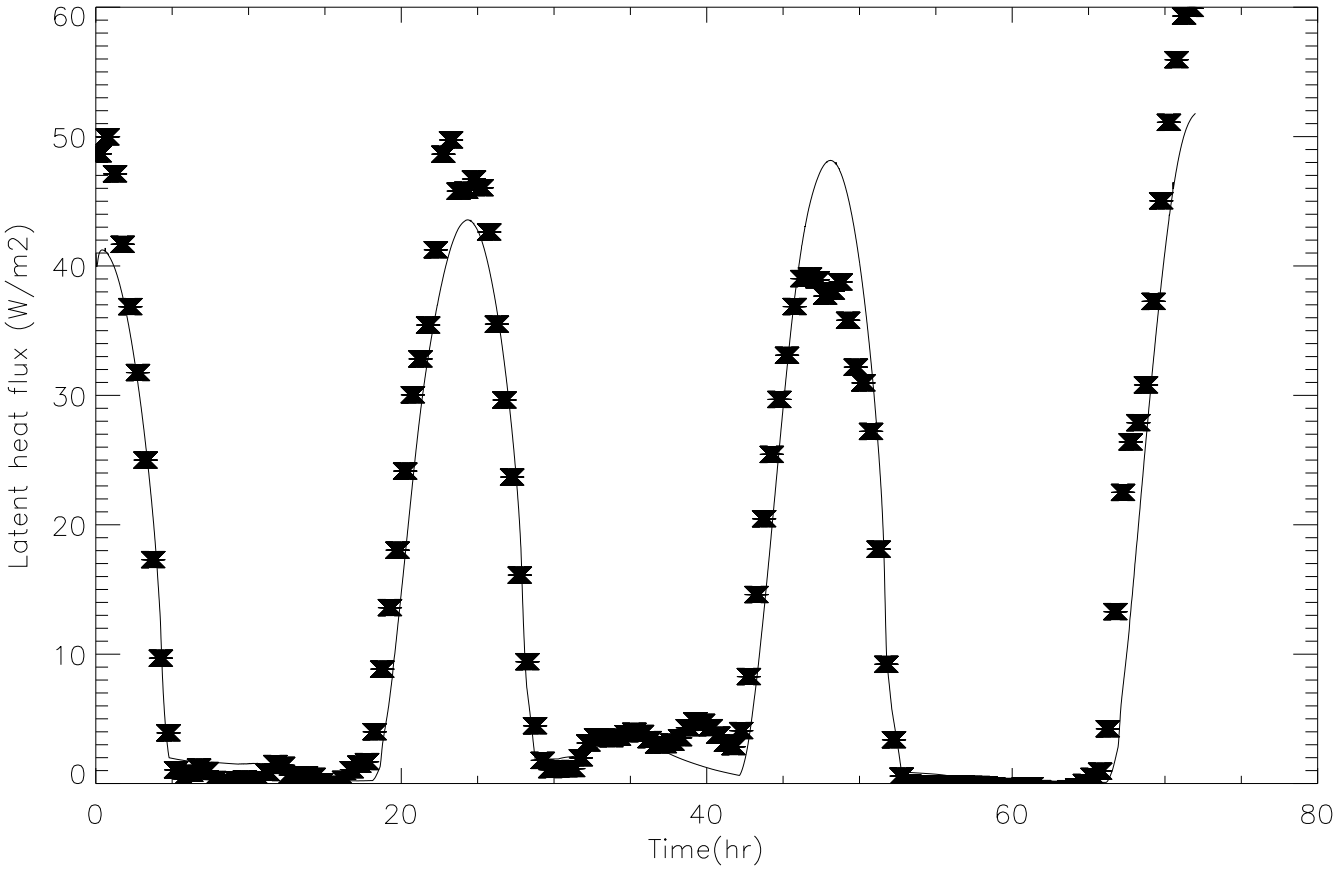

1.0
0.8
0.6
0.4
0.2
0.0
Convective RAIN(mm)
0
20
40
60
80
Time(hr)


1.0
0.8
0.6
0.4
0.2
0.0
grid RAIN(mm)
0
20
40
60
80
Time(hr)


310
300
290
280
270
Surface skin temperature (K)
0
20
40
60
80
Time(hr)


1000
800
600
400
200
0
PBL H (m)
0
20
40
60
80
Time(hr)


300
200
100
0
−100
heat flux (W/m2)
0
20
40
60
80
Time(hr)


Latent heat flux (W/m2)
Time(hr)
0
10
20
30
40
50
60
0
20
40
60
80