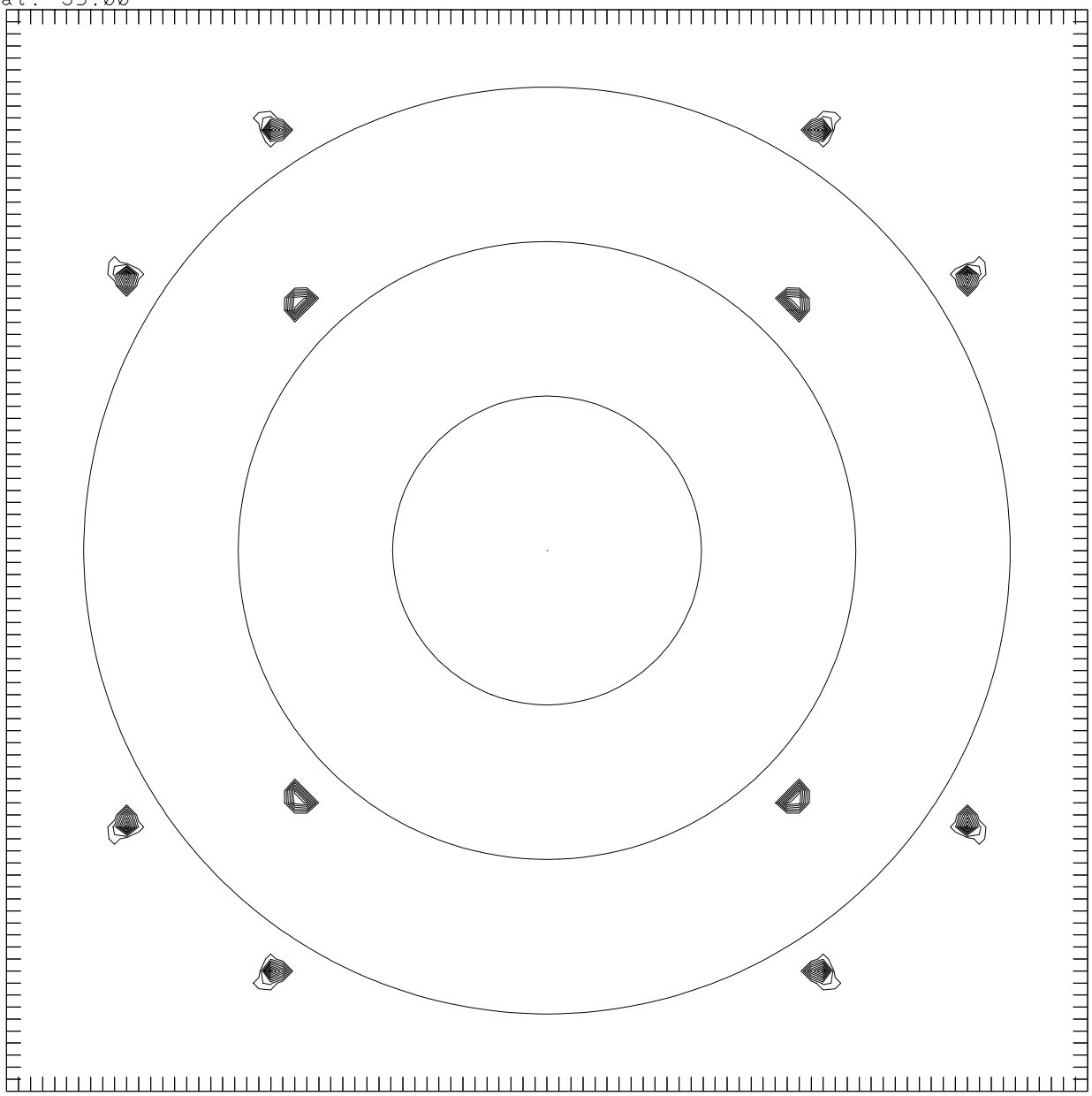
3D MUTANT CODE

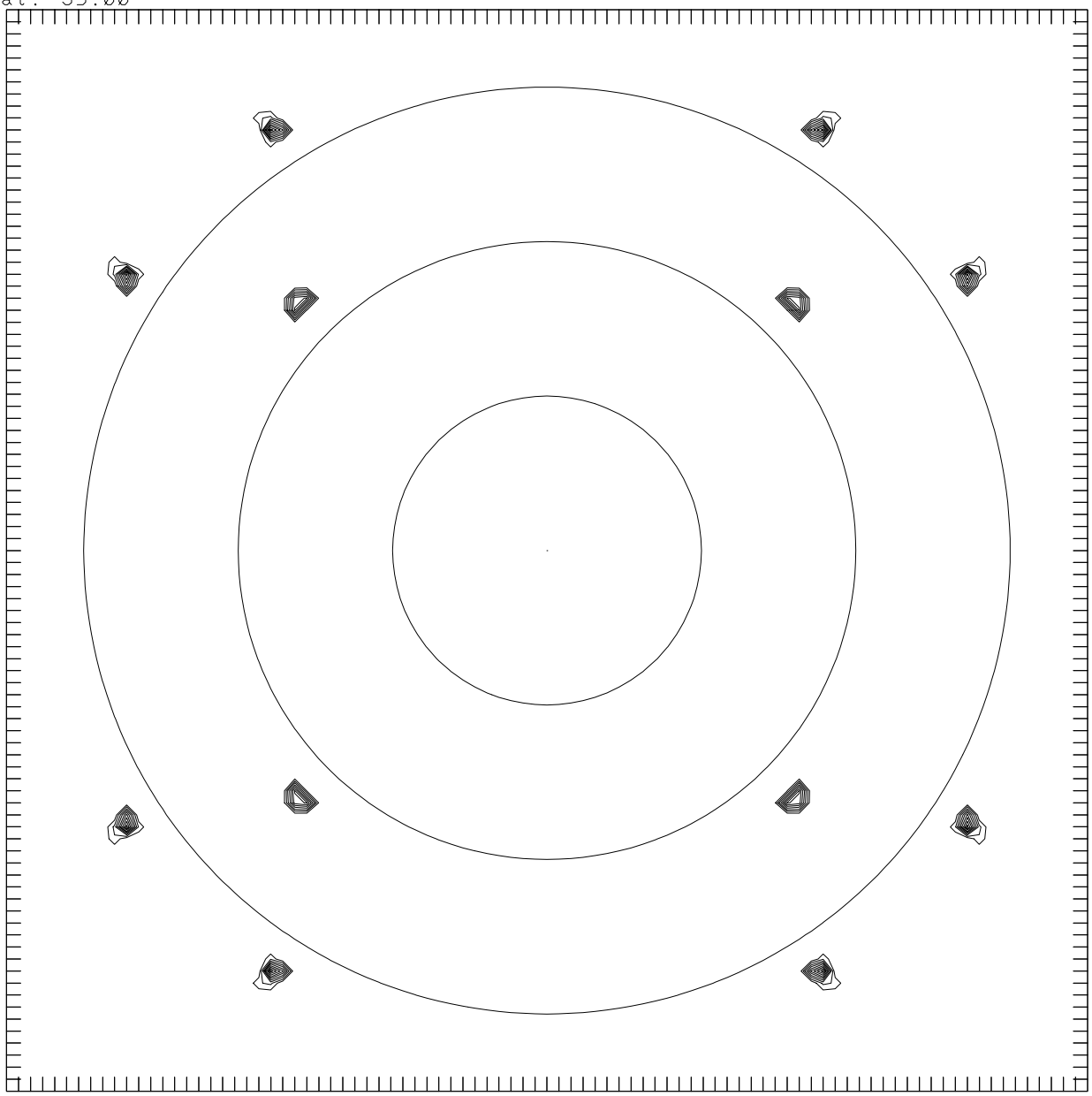
```
                                                        stepsz = 0.750
xdip = 0.000      ydip = 0.000      zdip = 0.000
rearth =   6.0
cs_inner = 0.05   alf_inner1= 0.8   alf_inner2= 0.8   den_earth = 200
o_conc = 0.050    gmass0y=550000
rho_wind1= 0.00   rho_wind2= 0.00   vx_wind1 = 0.40   vx_wind2 = 0.40
vy_wind1= 0.000   vy_wind2= 0.000   vz_wind1 = 0.00   vz_wind2 = 0.00
alfx1 = 0.000     alfx2 = 0.000     alfy1 = 0.000     alfy2 = 0.000
                                    alfz1 = 0.063     alfz2 = 0.063
re_wind =  35.0   reynolds =   12   resist =   12.
                  bfrac = 1.000     vfrac = 1.000
chirho = 2.000    chipxyz = 2.000   chierg = 2.000
chirho = 0.005    chipxyz = 0.005   chierg = 0.005


tilt1 = **** tilt2 = ****
```

min 0.0000 fmax 0.0896 res nthr: aurora ut = 0.00
lat. 35.00



min 0.0000 fmax 0.0896
lat. 35.00

res sthq: aurora ut = 0.00



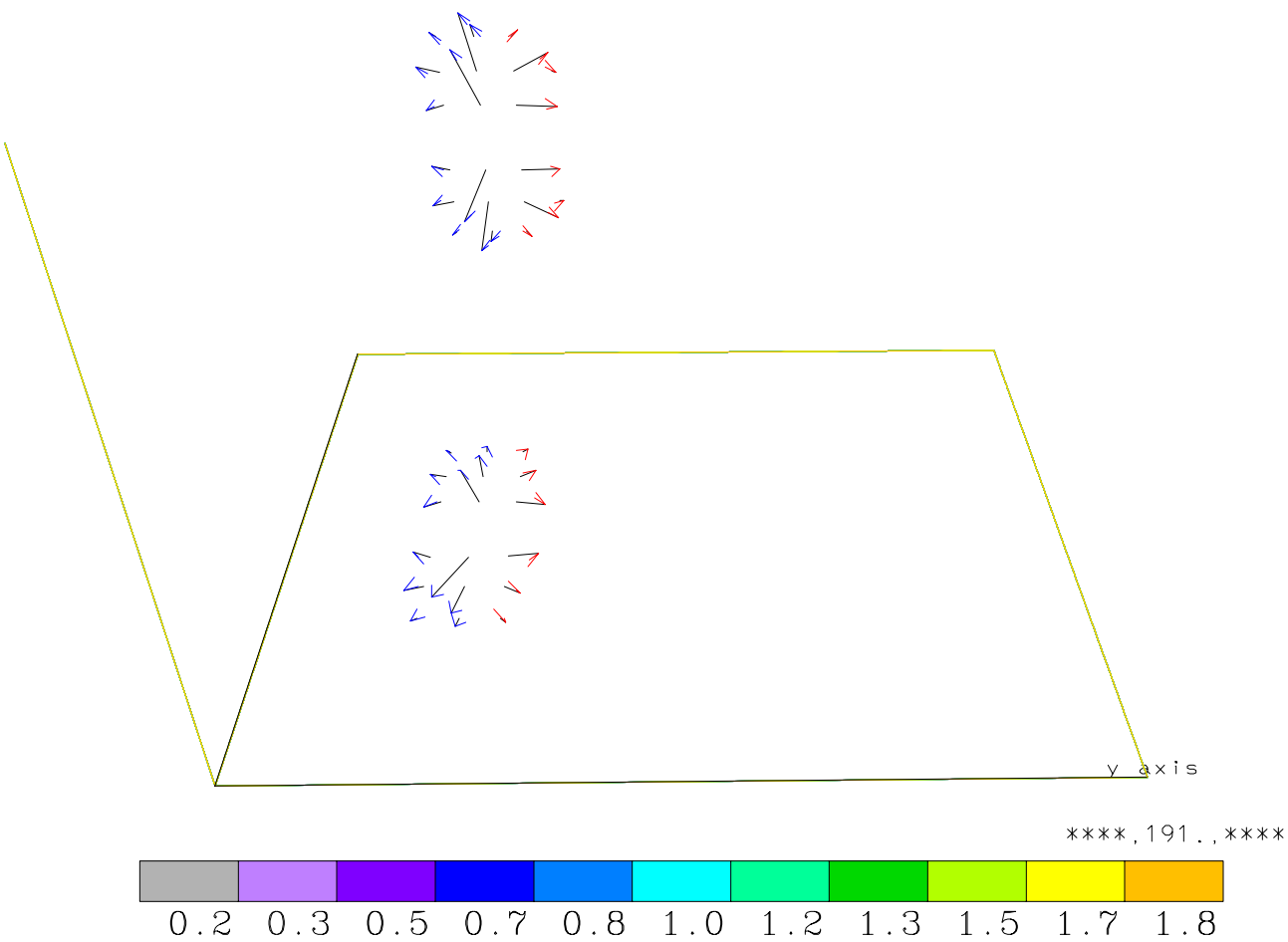
qpreshpr ut = 0.00

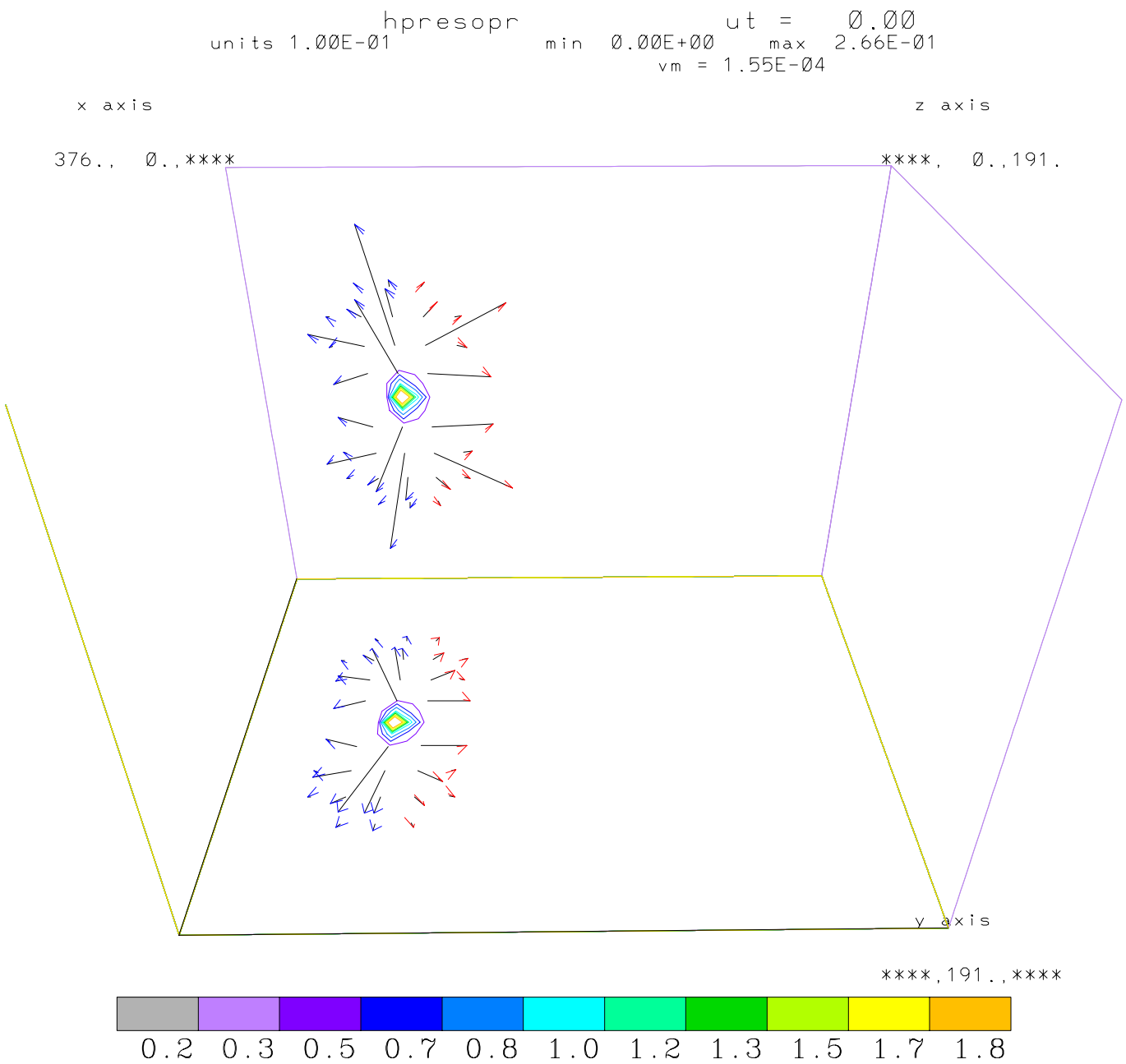
units 1.00E-01 min 0.00E+00 max 0.00E+00

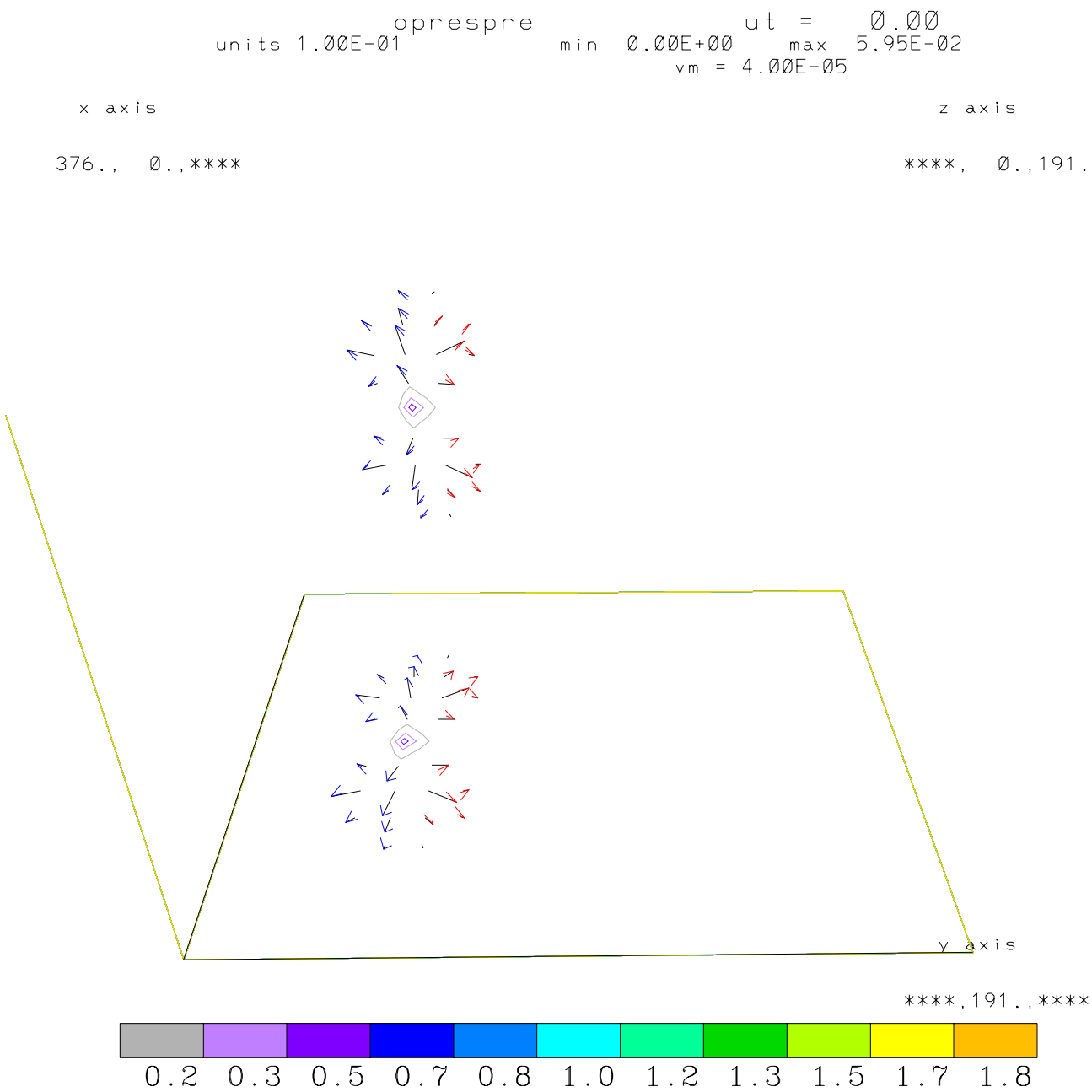
vm = 4.00E-05

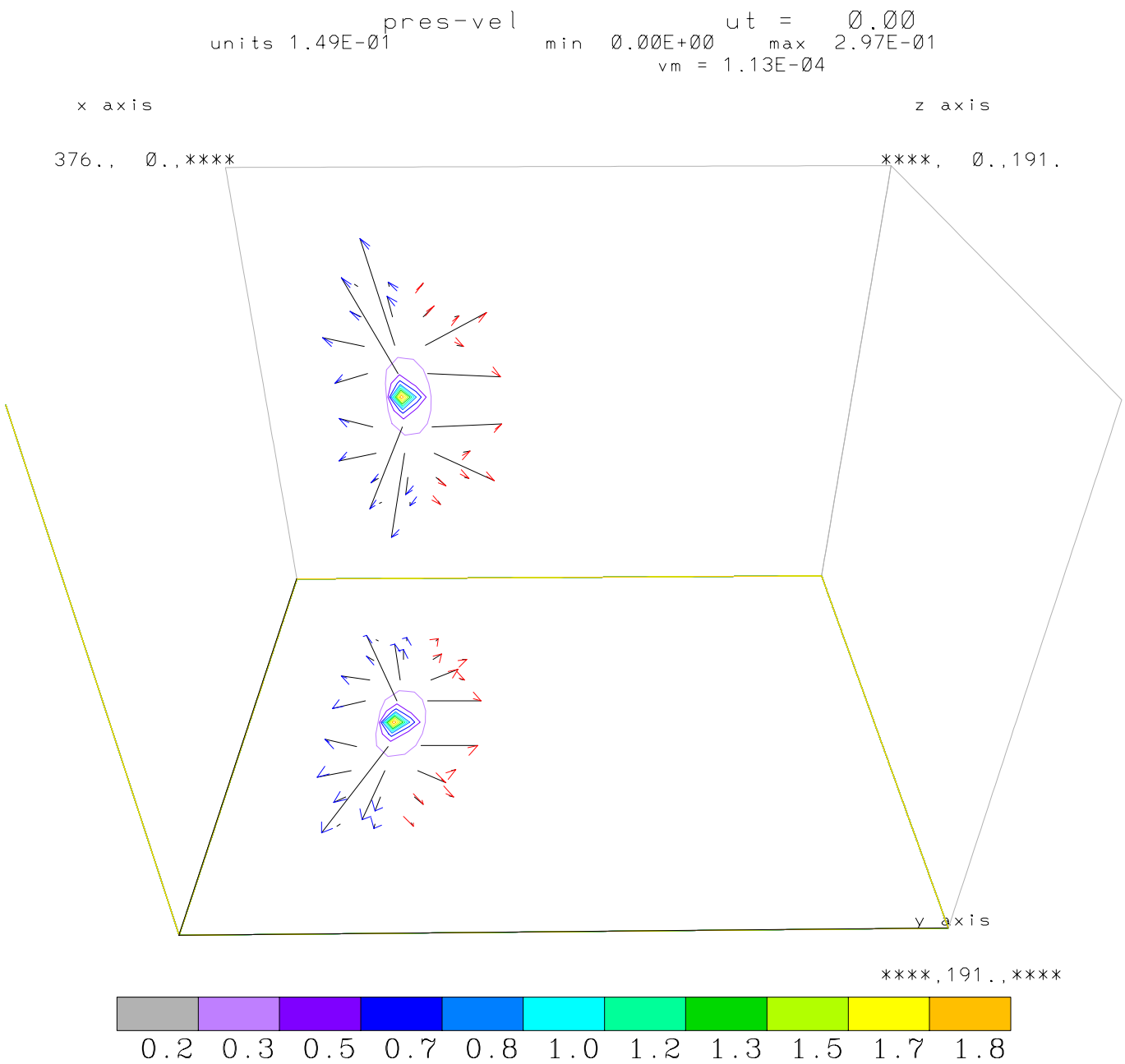
x axis z axis

376., 0.,**** ****, 0.,191.




hpresopr
ut = 0.00
units 1.00E-01
min 0.00E+00
max 2.66E-01
vm = 1.55E-04
x axis
z axis
376., 0.,****
****, 0.,191.
y axis
****,191.,****
0.2
0.3
0.5
0.7
0.8
1.0
1.2
1.3
1.5
1.7
1.8


oprespre
ut = 0.00
units 1.00E-01
min 0.00E+00
max 5.95E-02
vm = 4.00E-05
x axis
z axis
376., 0.,****
****, 0.,191.
y axis
****,191.,****
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


pres-vel
ut = 0.00
units 1.49E-01
min 0.00E+00
max 2.97E-01
vm = 1.13E-04
x axis
z axis
376., 0.,****
****, 0.,191.
y axis
****,191.,****
0.2
0.3
0.5
0.7
0.8
1.0
1.2
1.3
1.5
1.7
1.8

box 4 : dawn dusk ut = 0.00

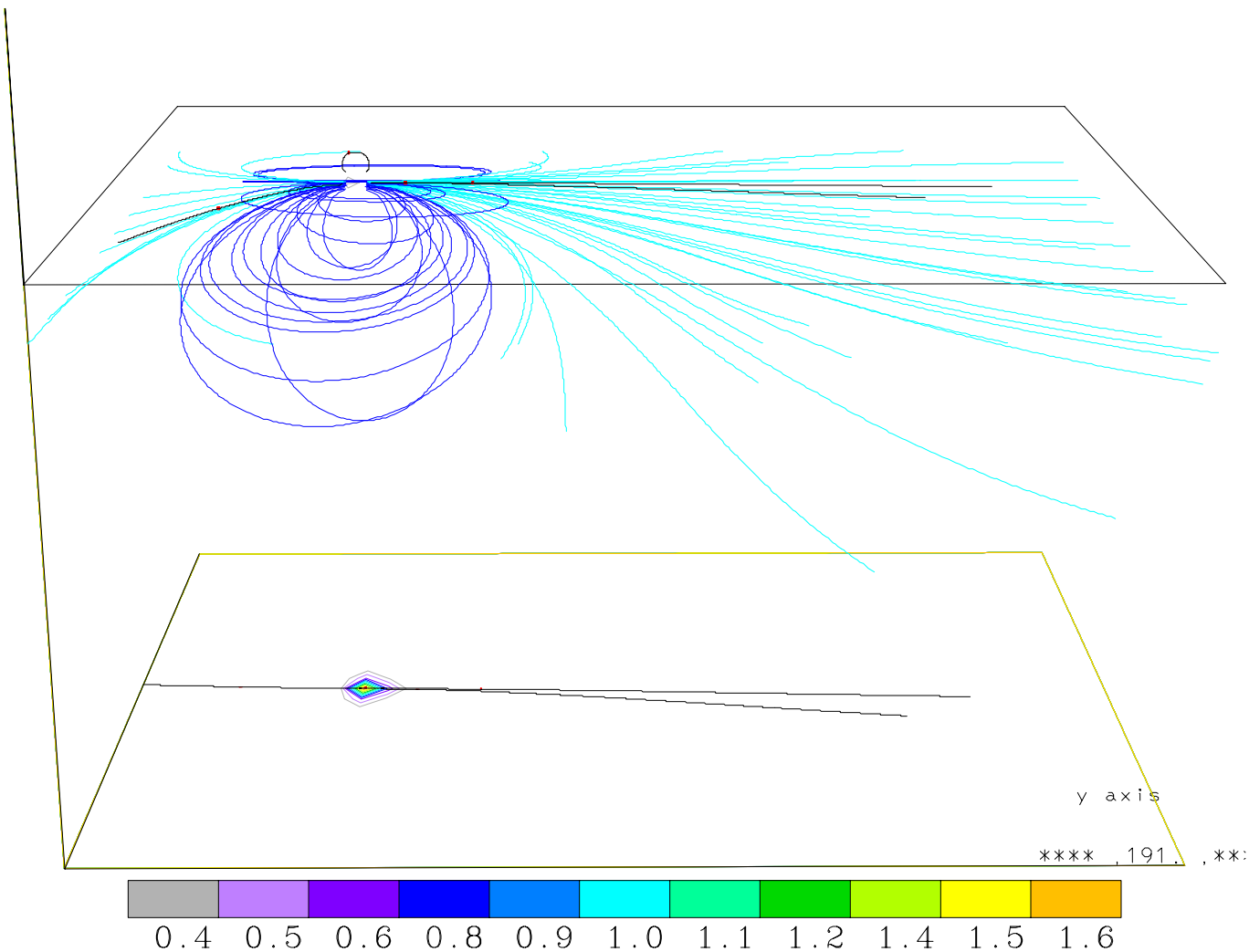
units 1.73E-01 min 4.76E-02 max 2.97E-01

vm = 4.00E-05

craft lat,MLT 1	1.0,	84.4,	11.3
craft lat,MLT 2	1.0,	-64.1,	0.3
craft lat,MLT 2	1.0,	64.2,	0.3
craft lat,MLT 3	1.0,	-87.7,	18.0
craft lat,MLT 4	1.0,	-89.2,	18.0

z axis

376. ,**** ,191.



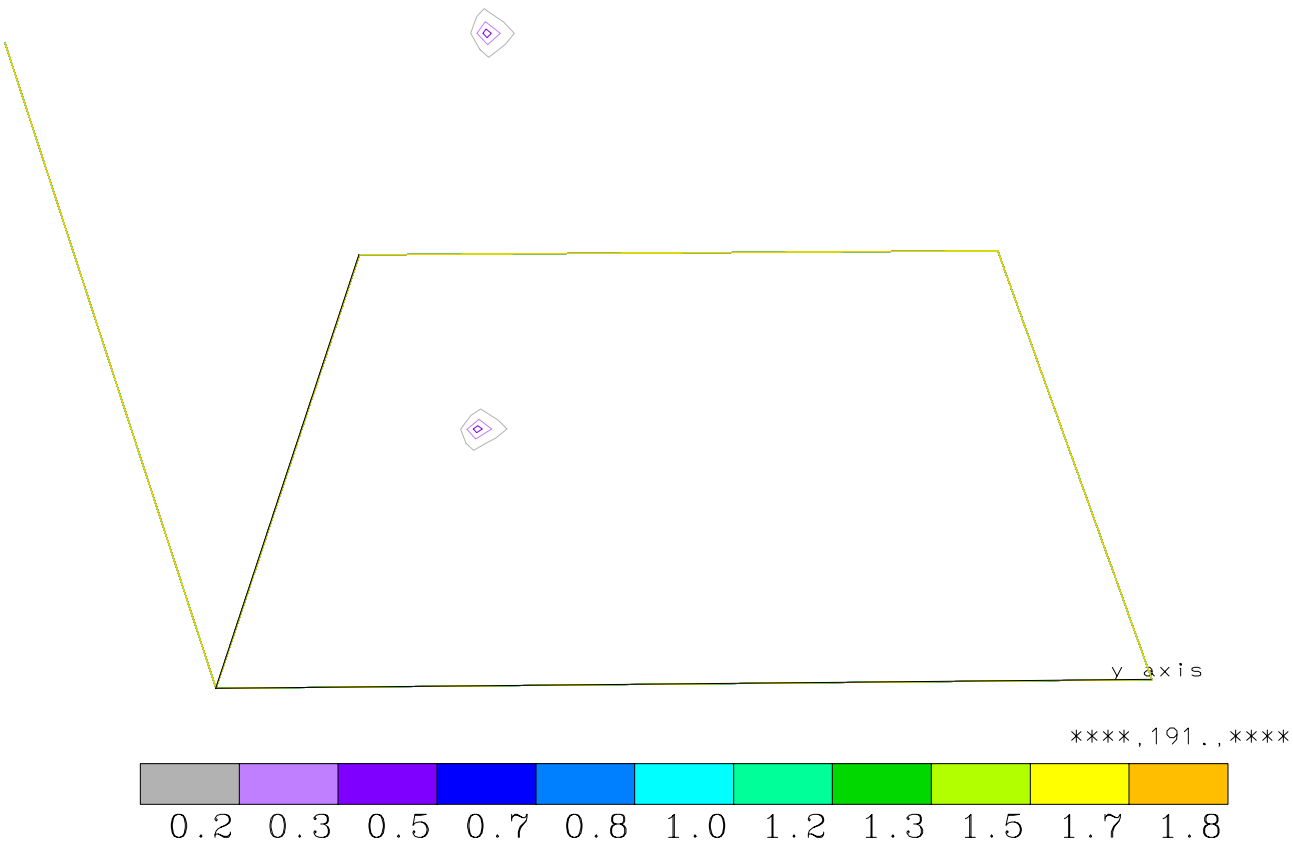
epresq t ut = 0.00

units 2.00E-01 min 0.00E+00 max 1.19E-01

vm = 4.00E-05

x axis z axis

376., 0.,**** ****, 0.,191.



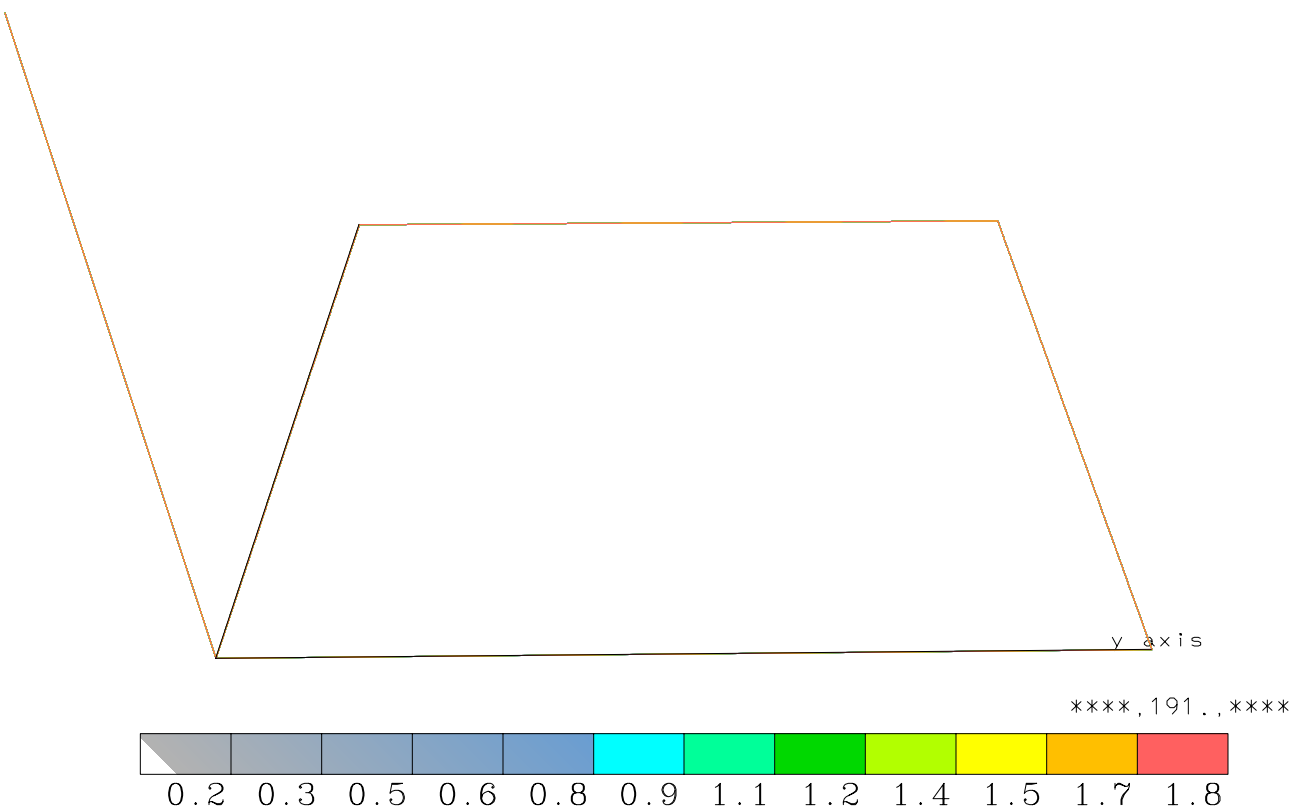
q temph ut = 0.00

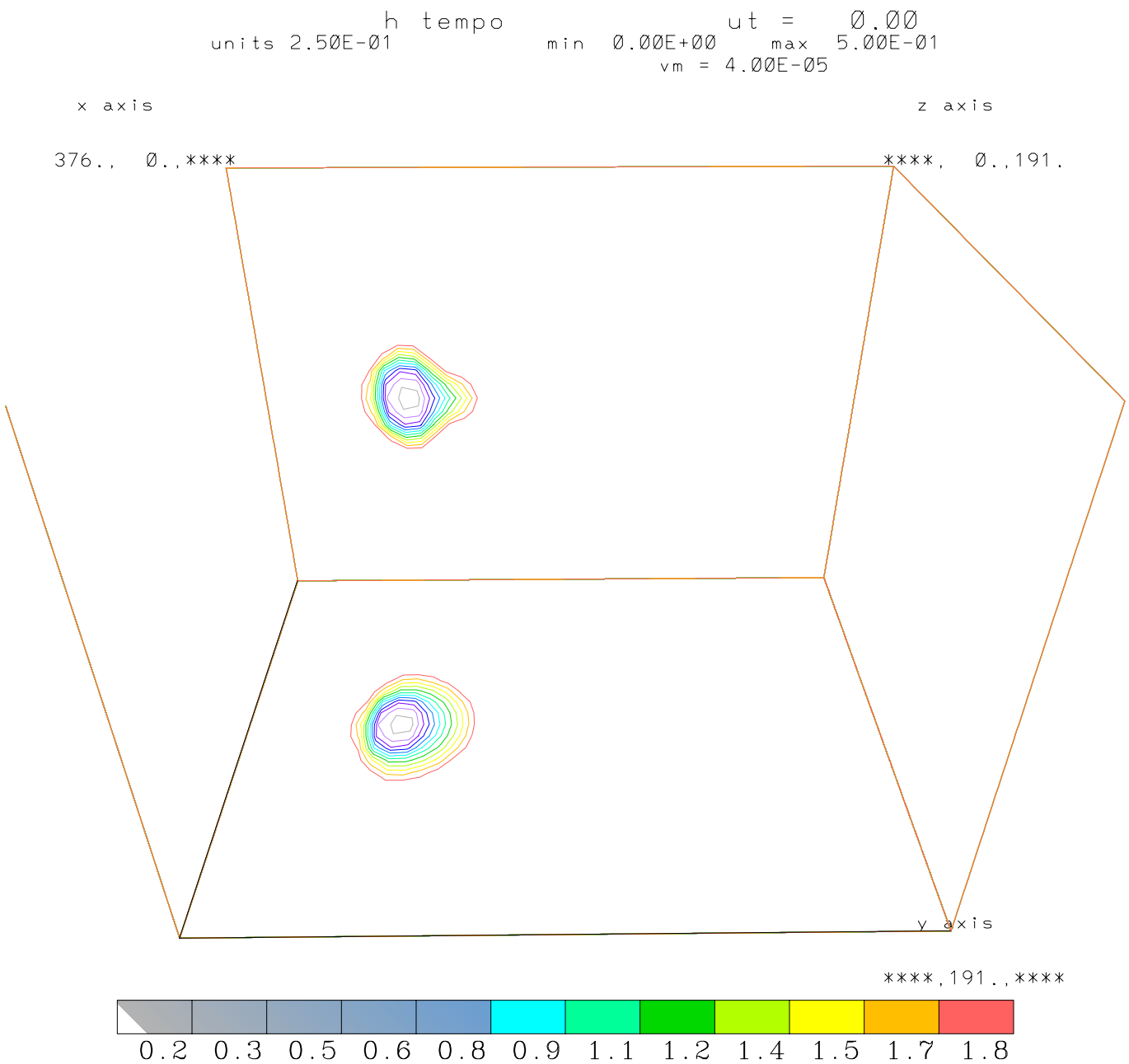
units 2.50E-01 min 0.00E+00 max 0.00E+00

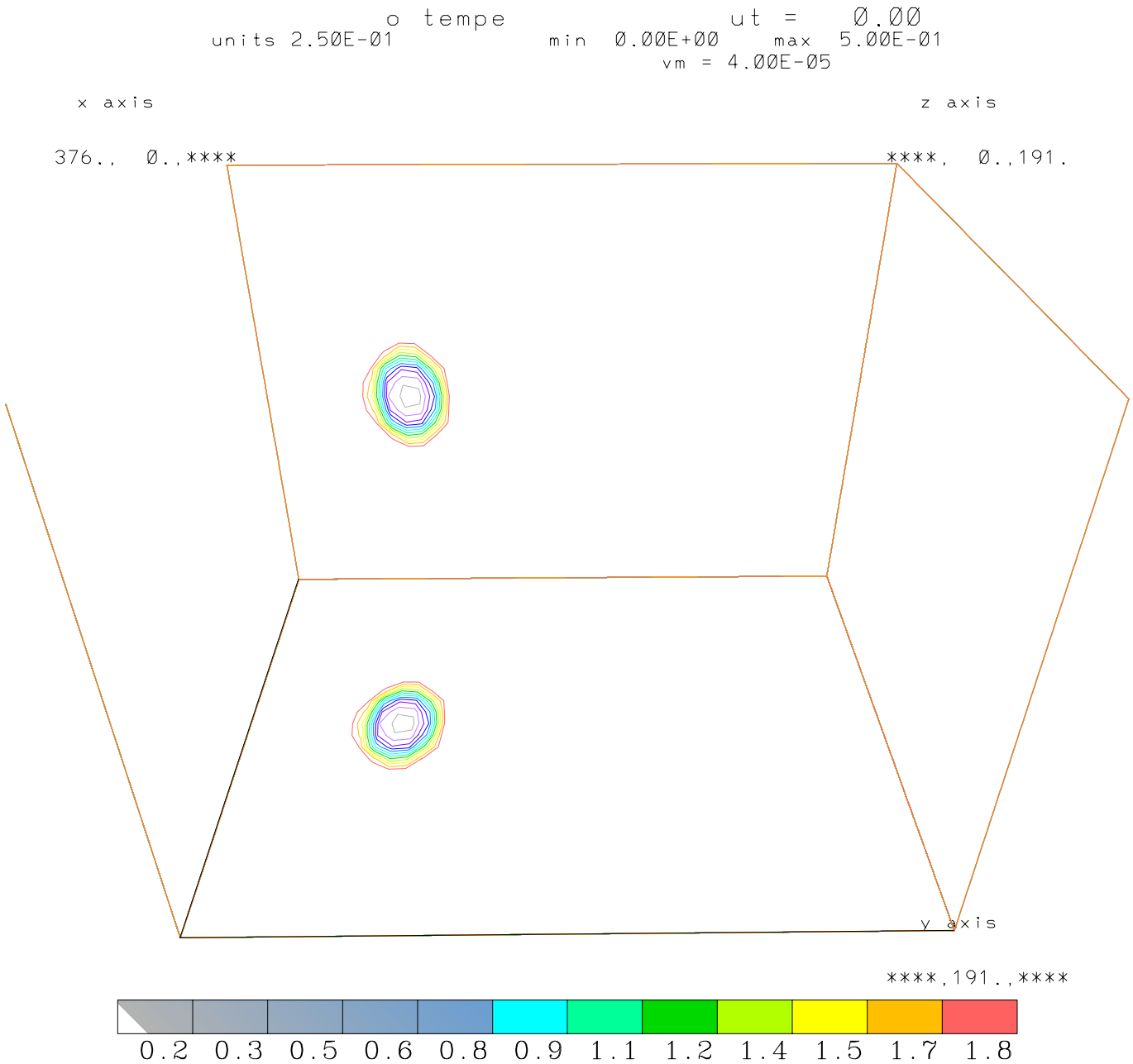
vm = 4.00E-05

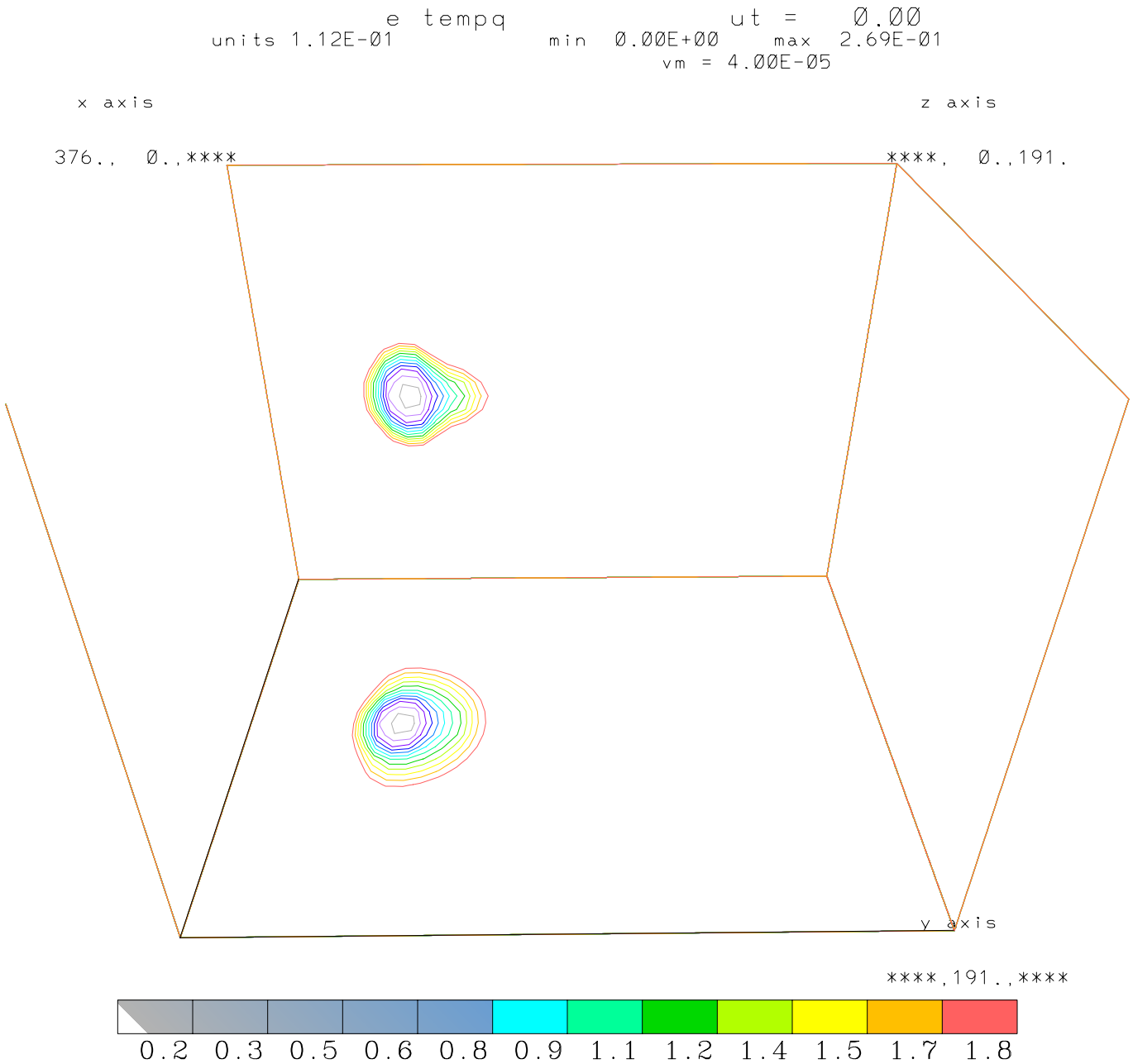
x axis z axis

376., 0.,**** ****, 0.,191.




h tempo
ut = 0.00
units 2.50E-01
min 0.00E+00
max 5.00E-01
vm = 4.00E-05
x axis
z axis
376., 0.,****
****, 0.,191.
y axis
****,191.,****
0.2 0.3 0.5 0.6 0.8 0.9 1.1 1.2 1.4 1.5 1.7 1.8


o tempe
ut = 0.00
units 2.50E-01
min 0.00E+00
max 5.00E-01
vm = 4.00E-05
x axis
z axis
376., 0.,****
****, 0.,191.
y axis
****,191.,****
0.2 0.3 0.5 0.6 0.8 0.9 1.1 1.2 1.4 1.5 1.7 1.8


e tempq
ut = 0.00
units 1.12E-01
min 0.00E+00
max 2.69E-01
vm = 4.00E-05
x axis
z axis
376., 0.,****
****, 0.,191.
y axis
****,191.,****
0.2 0.3 0.5 0.6 0.8 0.9 1.1 1.2 1.4 1.5 1.7 1.8

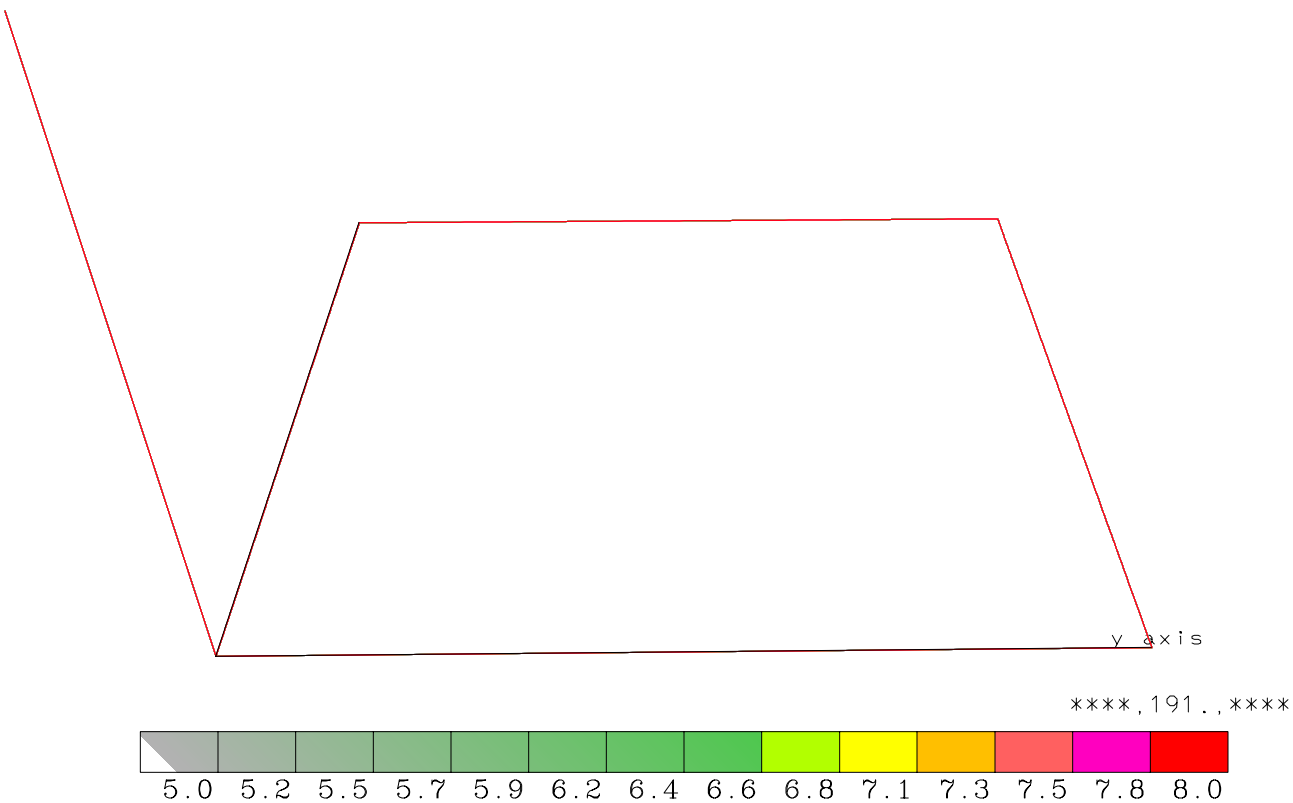
q den vh ut = 0.00

units 1.12E-01 min 0.00E+00 max 4.00E+00

vm = 4.00E-05

x axis z axis

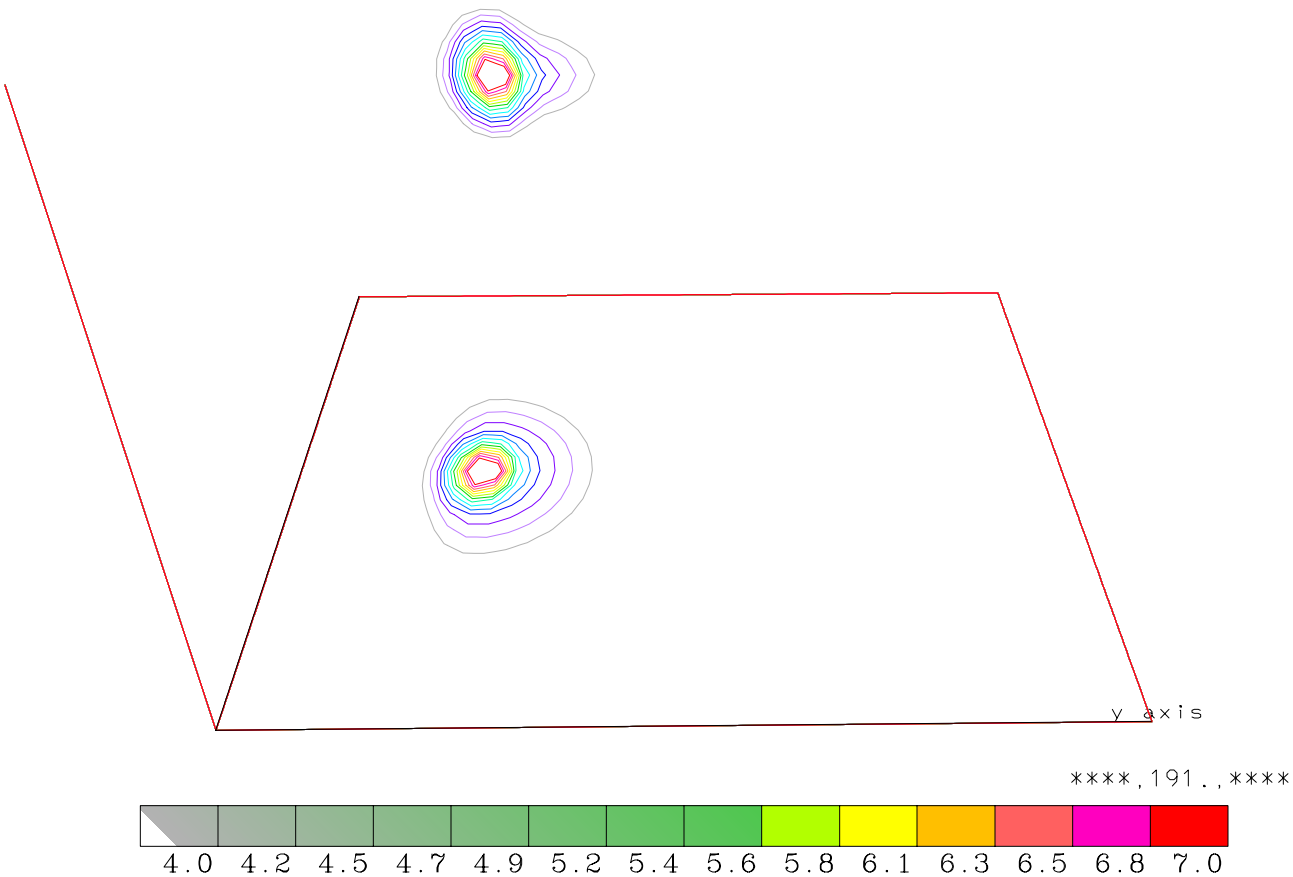
376., 0.,**** ****, 0.,191.



h den vo ut = 0.00
units 1.12E-01 min 0.00E+00 max 8.16E+00
vm = 4.00E-05

x axis z axis

376., 0.,**** ****, 0.,191.



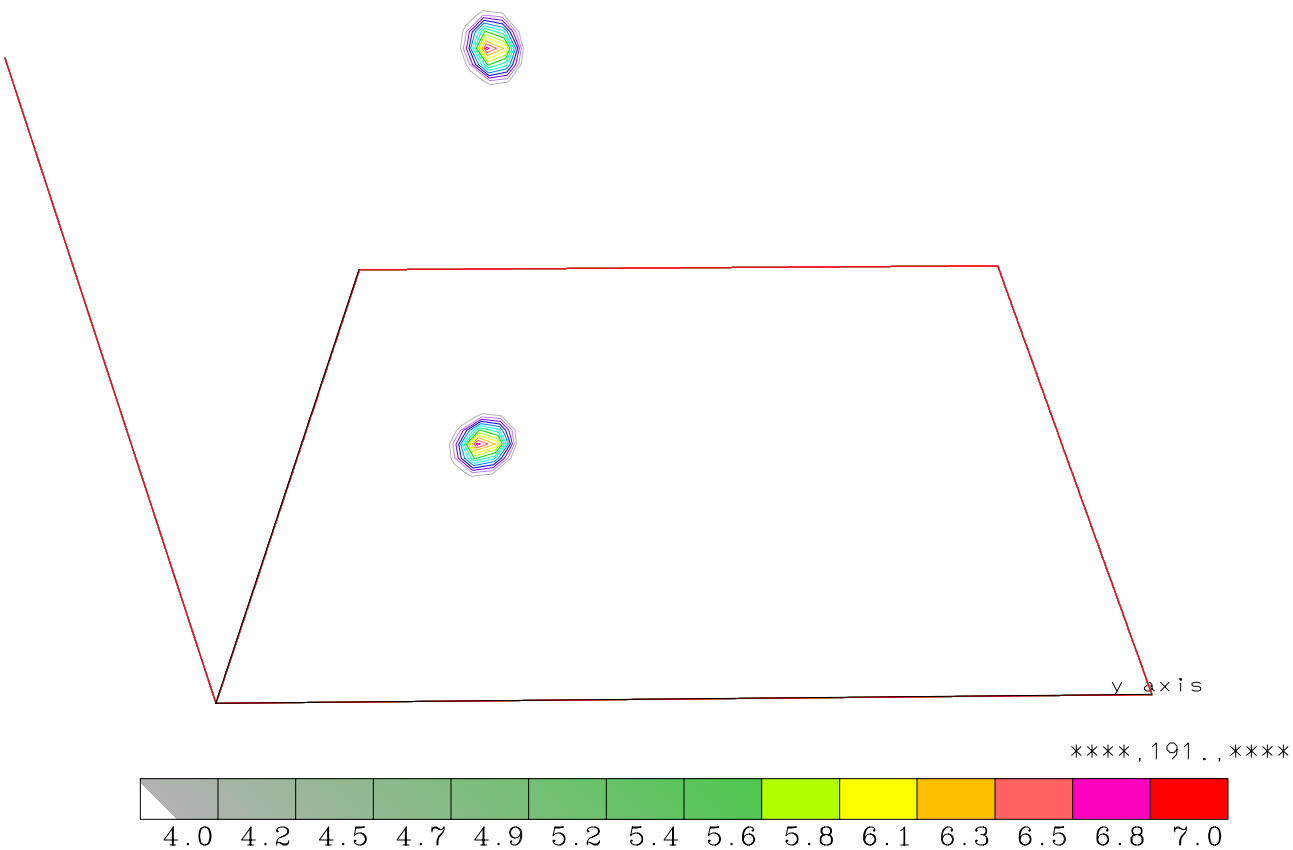
o den vt ut = 0.00

units 1.12E-01 min 0.00E+00 max 6.86E+00

vm = 4.00E-05

x axis z axis

376., 0.,**** ****, 0.,191.



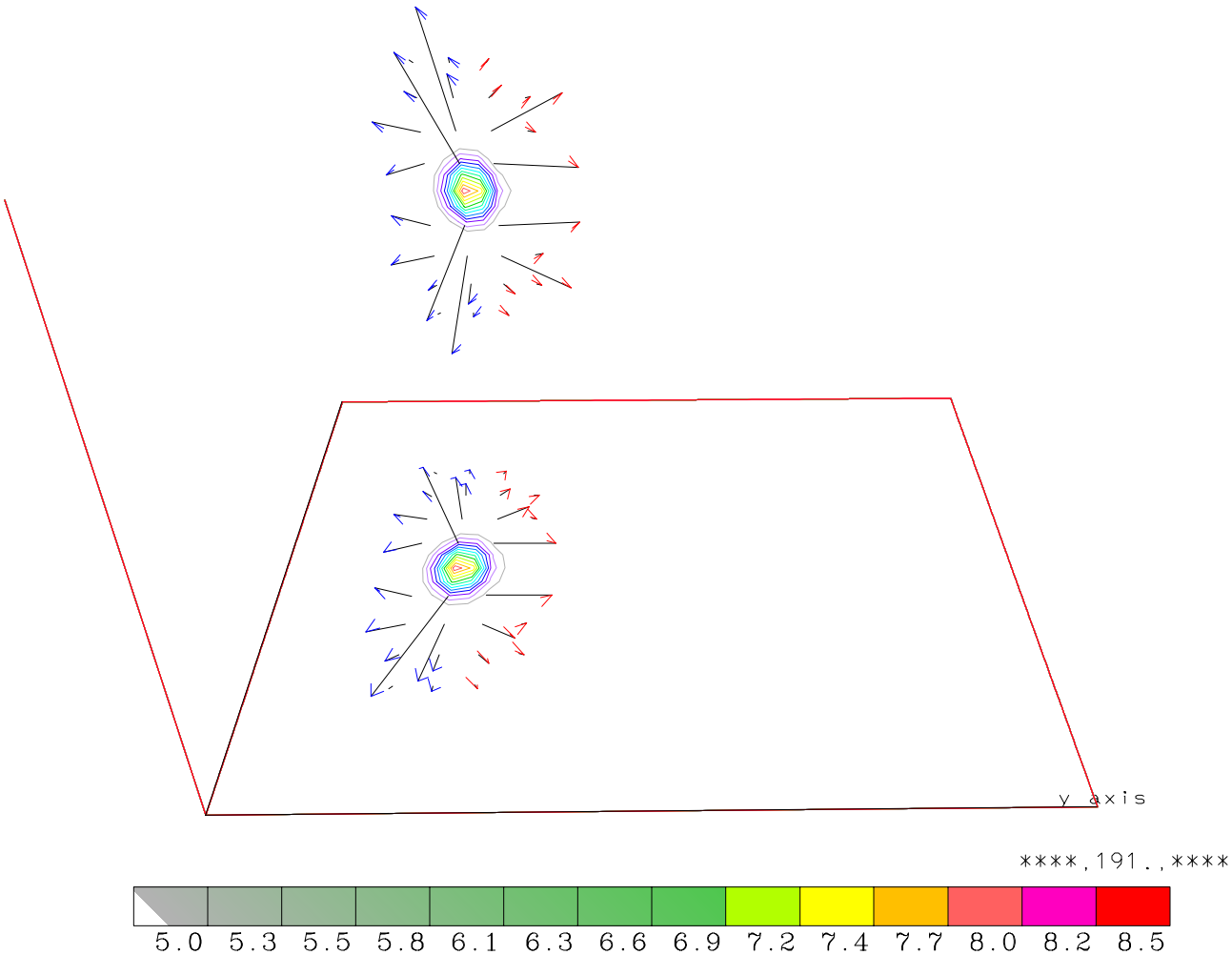
tden vbi ut = 0.00

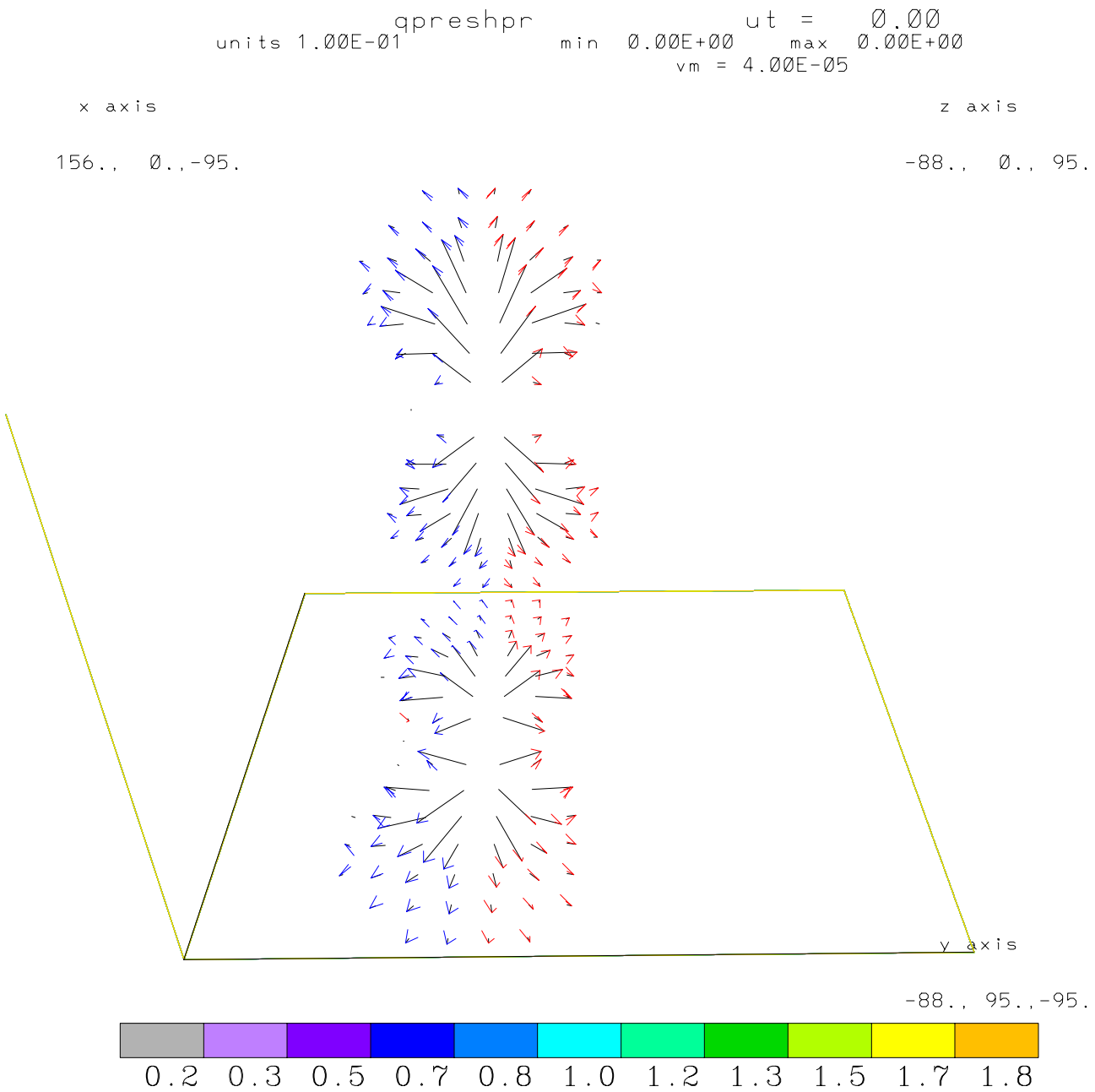
units 1.12E-01 min 0.00E+00 max 8.19E+00

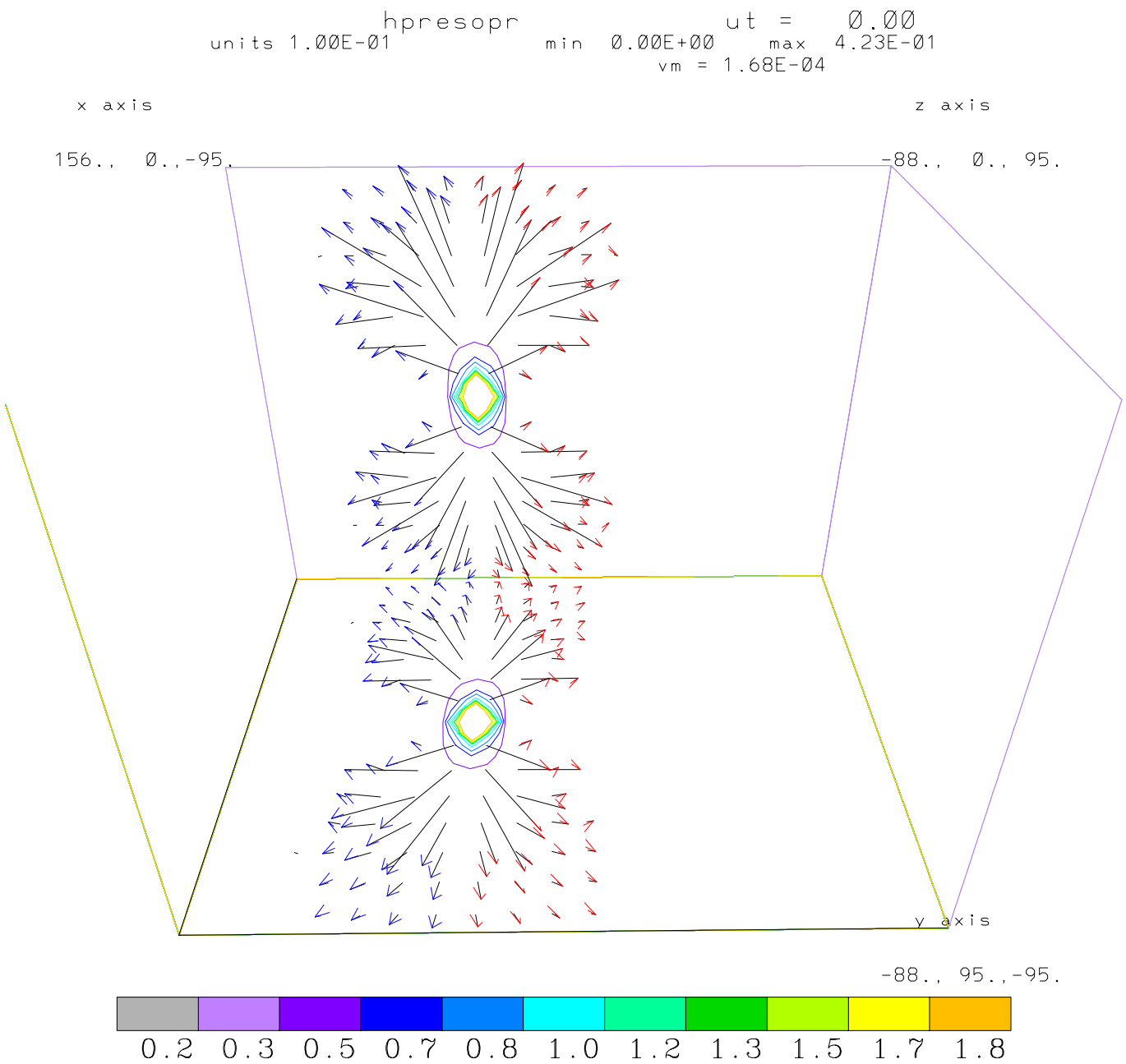
vm = 1.13E-04

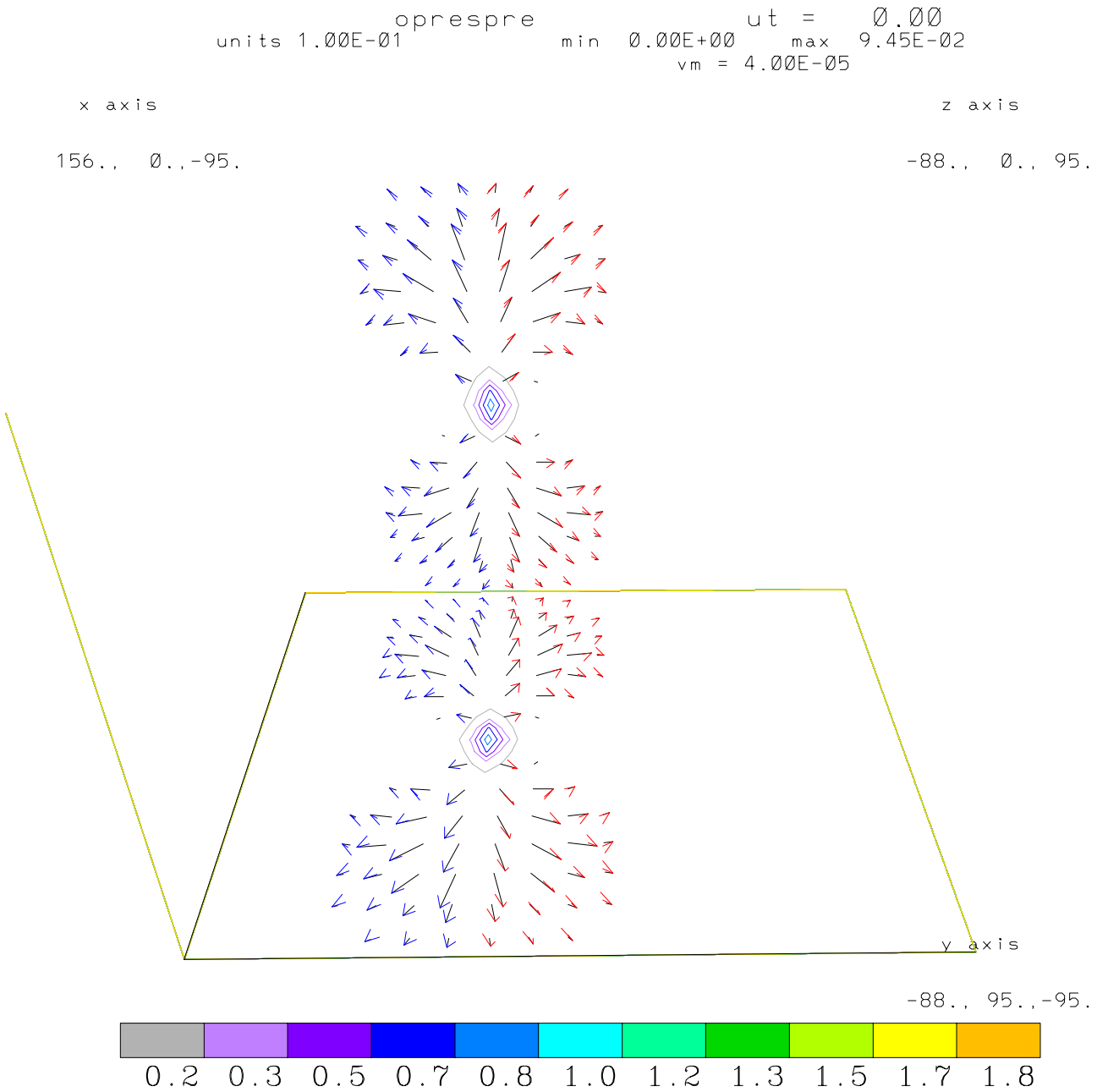
x axis z axis

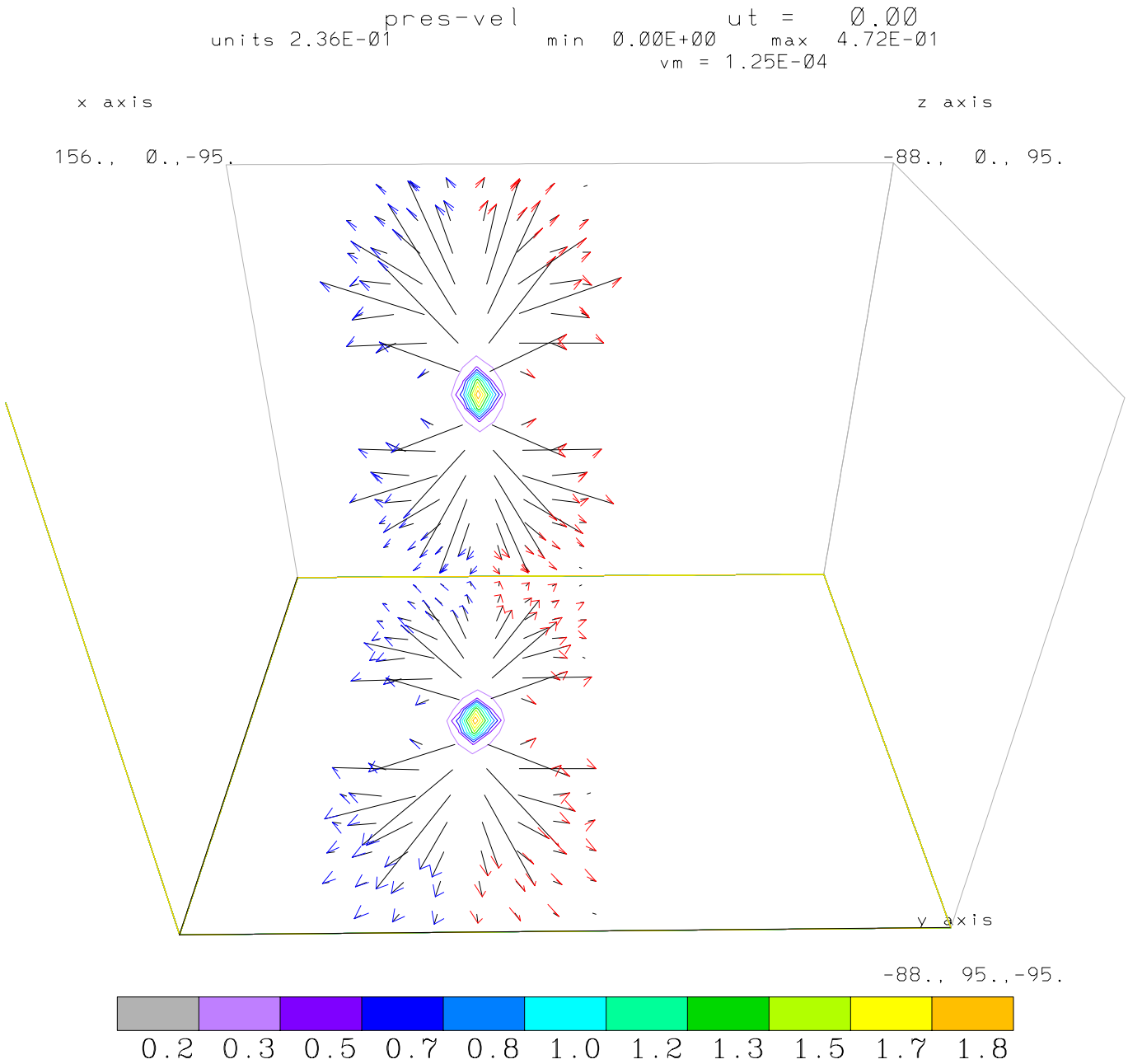
376., 0.,**** ****, 0.,191.




qpreshpr
ut = 0.00
units 1.00E-01
min 0.00E+00
max 0.00E+00
vm = 4.00E-05
x axis
z axis
156., 0.,-95.
-88., 0., 95.
y axis
-88., 95.,-95.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


hpresopr
ut = 0.00
units 1.00E-01
min 0.00E+00
max 4.23E-01
vm = 1.68E-04
x axis
z axis
156., 0.,-95.
-88., 0., 95.
y axis
-88., 95.,-95.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


oprespre
ut = 0.00
units 1.00E-01
min 0.00E+00
max 9.45E-02
vm = 4.00E-05
x axis
z axis
156., 0.,-95.
-88., 0., 95.
y axis
-88., 95.,-95.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


pres-vel
ut = 0.00
units 2.36E-01
min 0.00E+00
max 4.72E-01
vm = 1.25E-04
x axis
z axis
156., 0.,-95.
-88., 0., 95.
y axis
-88., 95.,-95.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8

box 3 : dawn dusk ut = 0.00

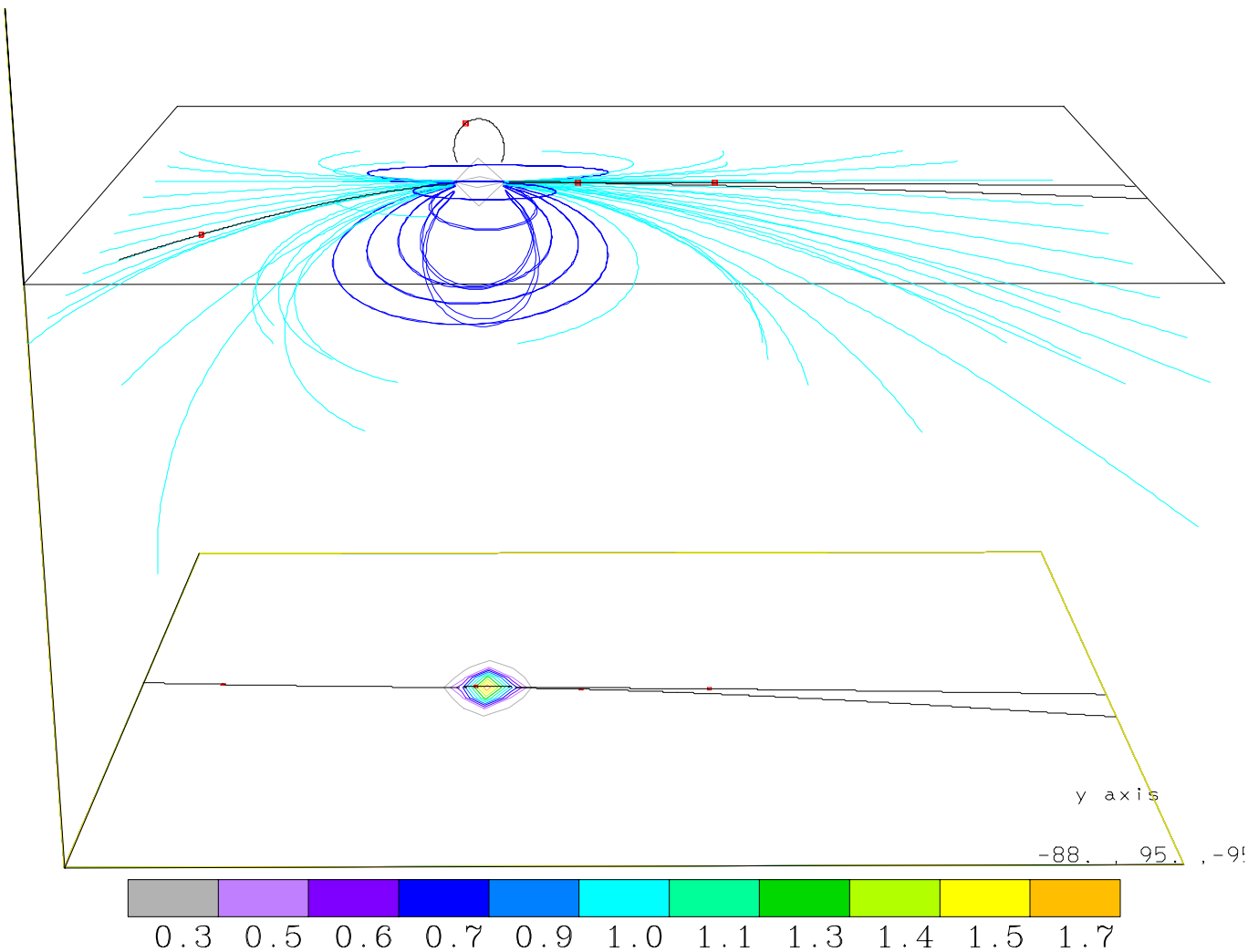
units 2.60E-01 min 4.76E-02 max 4.72E-01

vm = 4.00E-05

craft lat,MLT 1 1.0, 87.4, 11.3
craft lat,MLT 2 1.0,-66.2, 0.2
craft lat,MLT 2 1.0, 66.2, 0.2
craft lat,MLT 3 1.0,-88.9, 18.0
craft lat,MLT 4 1.0,-89.7, 18.0

z axis

156. ,-95. , 95.



0.3 0.5 0.6 0.7 0.9 1.0 1.1 1.3 1.4 1.5 1.7

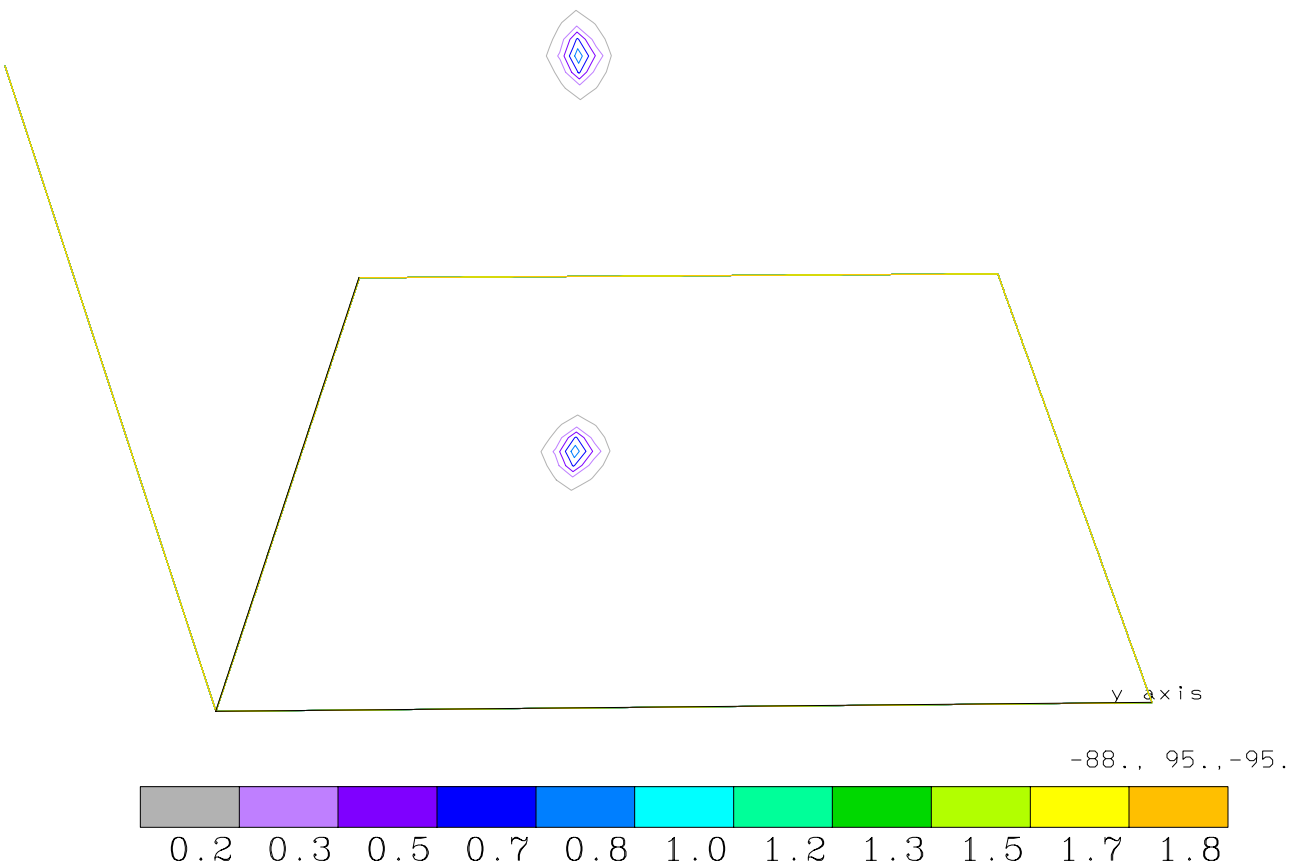
epresq t ut = 0.00

units 2.00E-01 min 0.00E+00 max 1.89E-01

vm = 4.00E-05

x axis z axis

156., 0.,-95. -88., 0., 95.



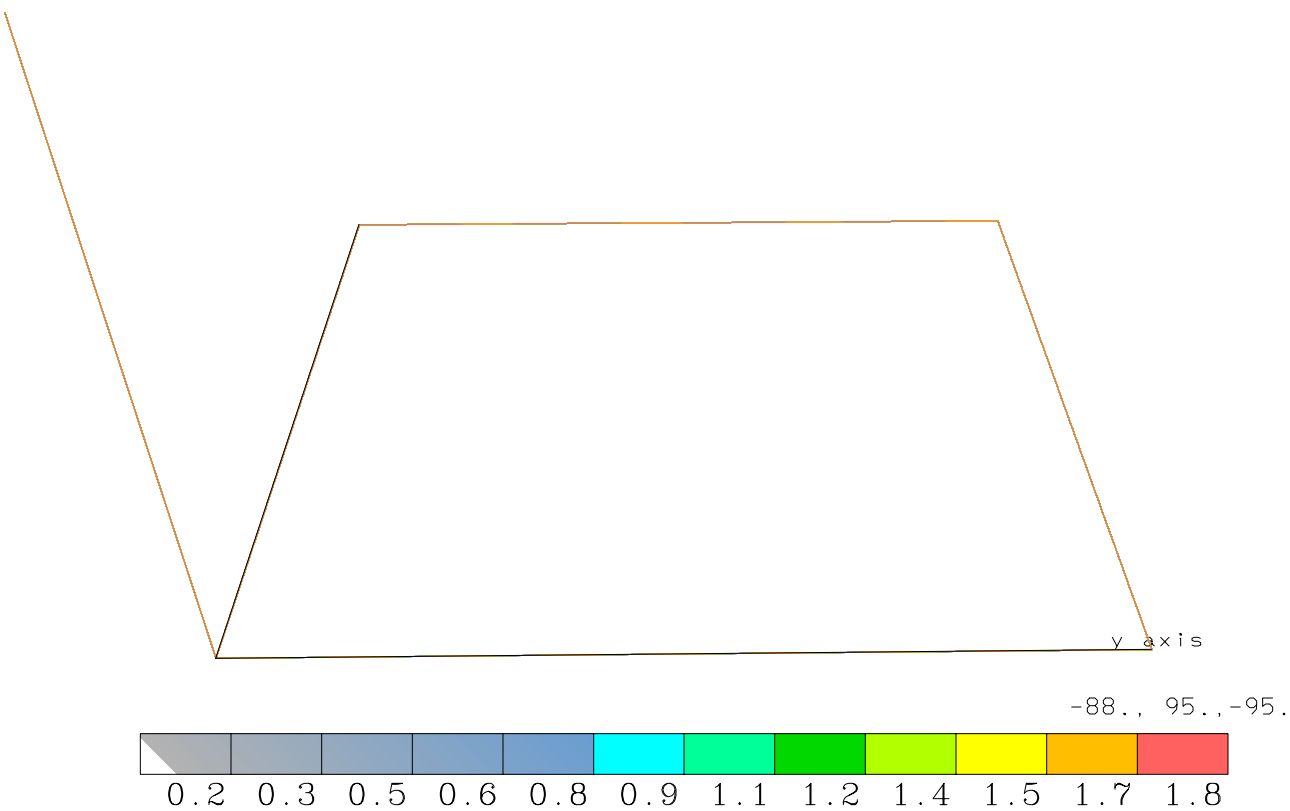
q temph ut = 0.00

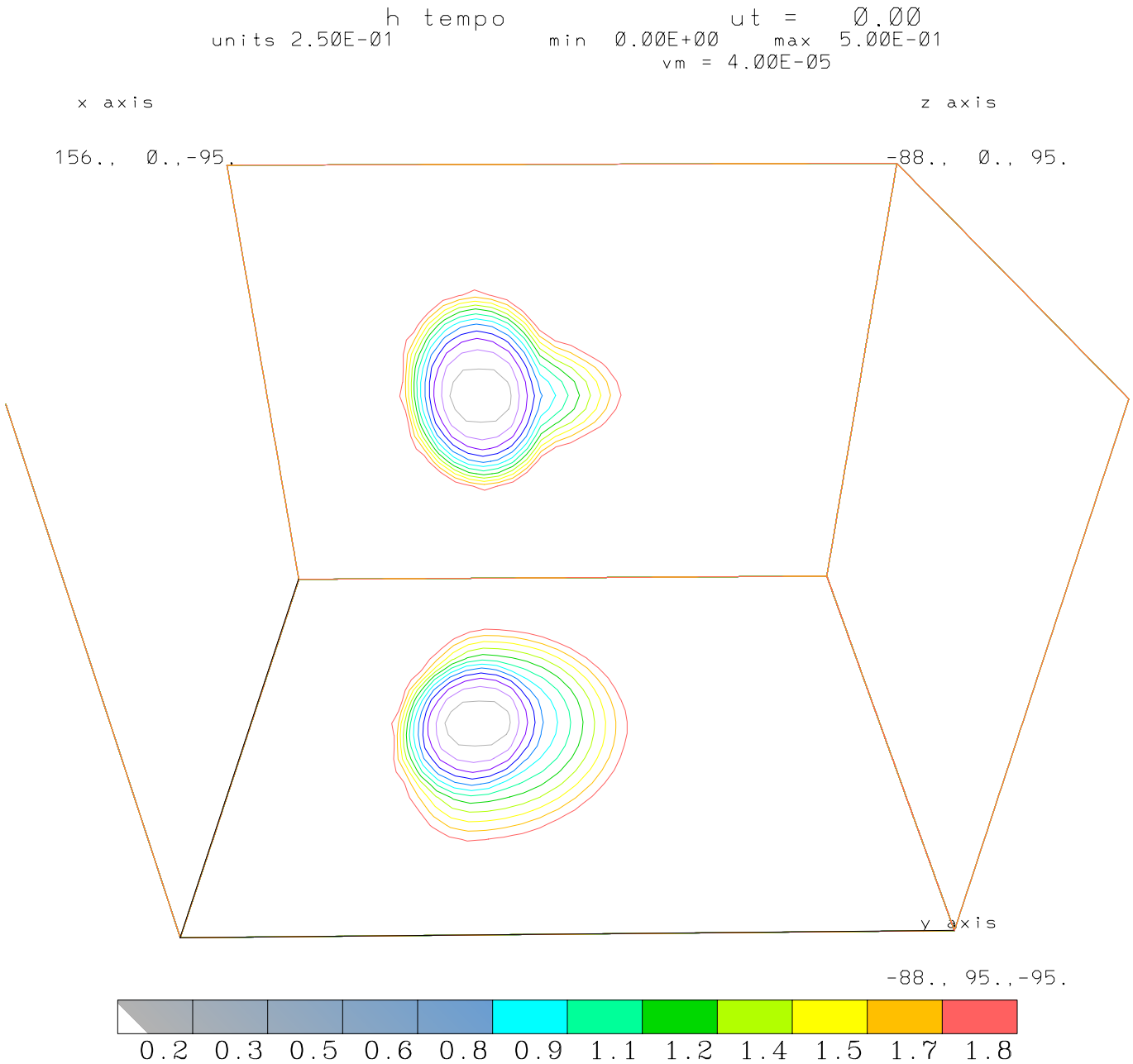
units 2.50E-01 min 0.00E+00 max 0.00E+00

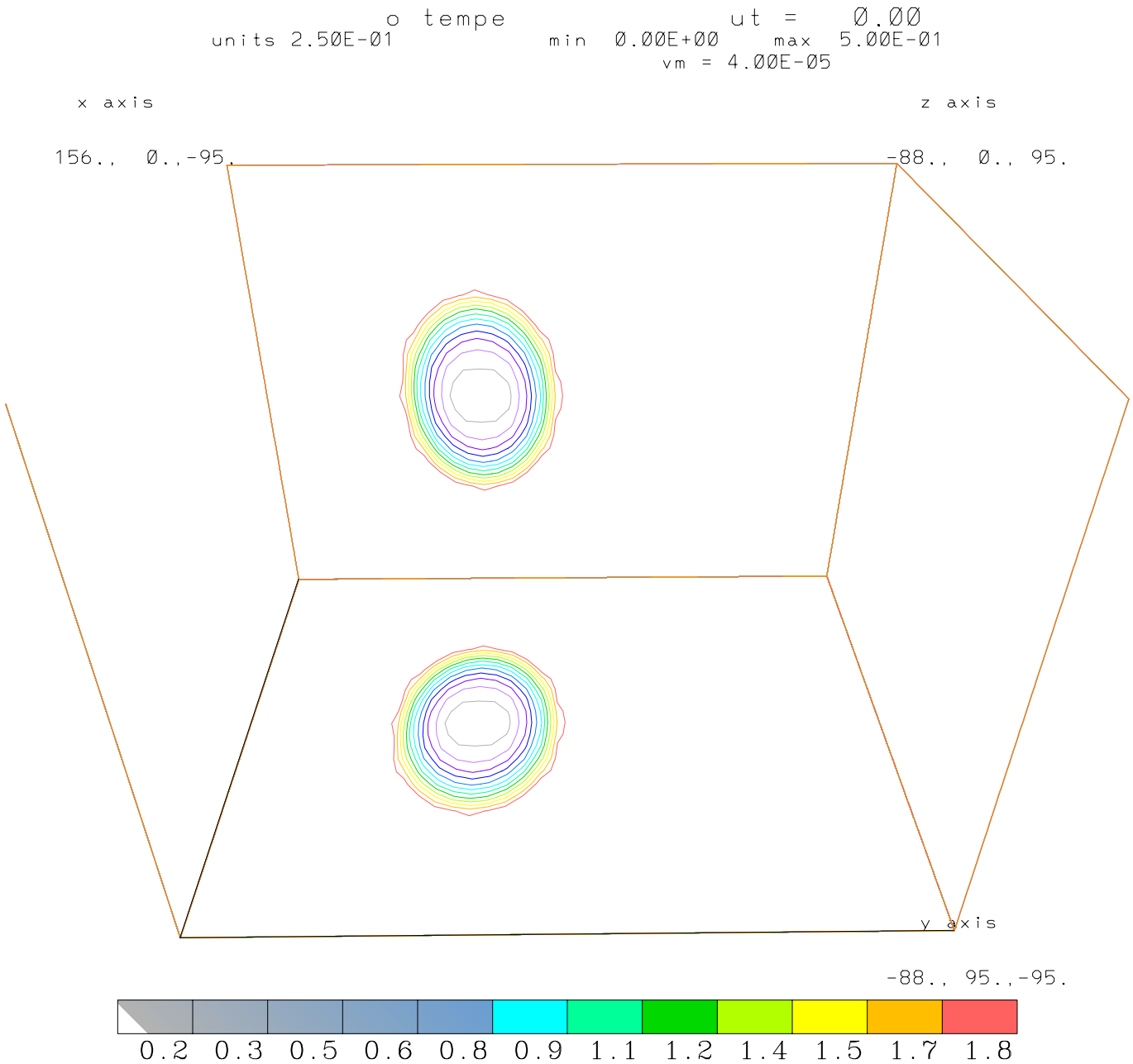
vm = 4.00E-05

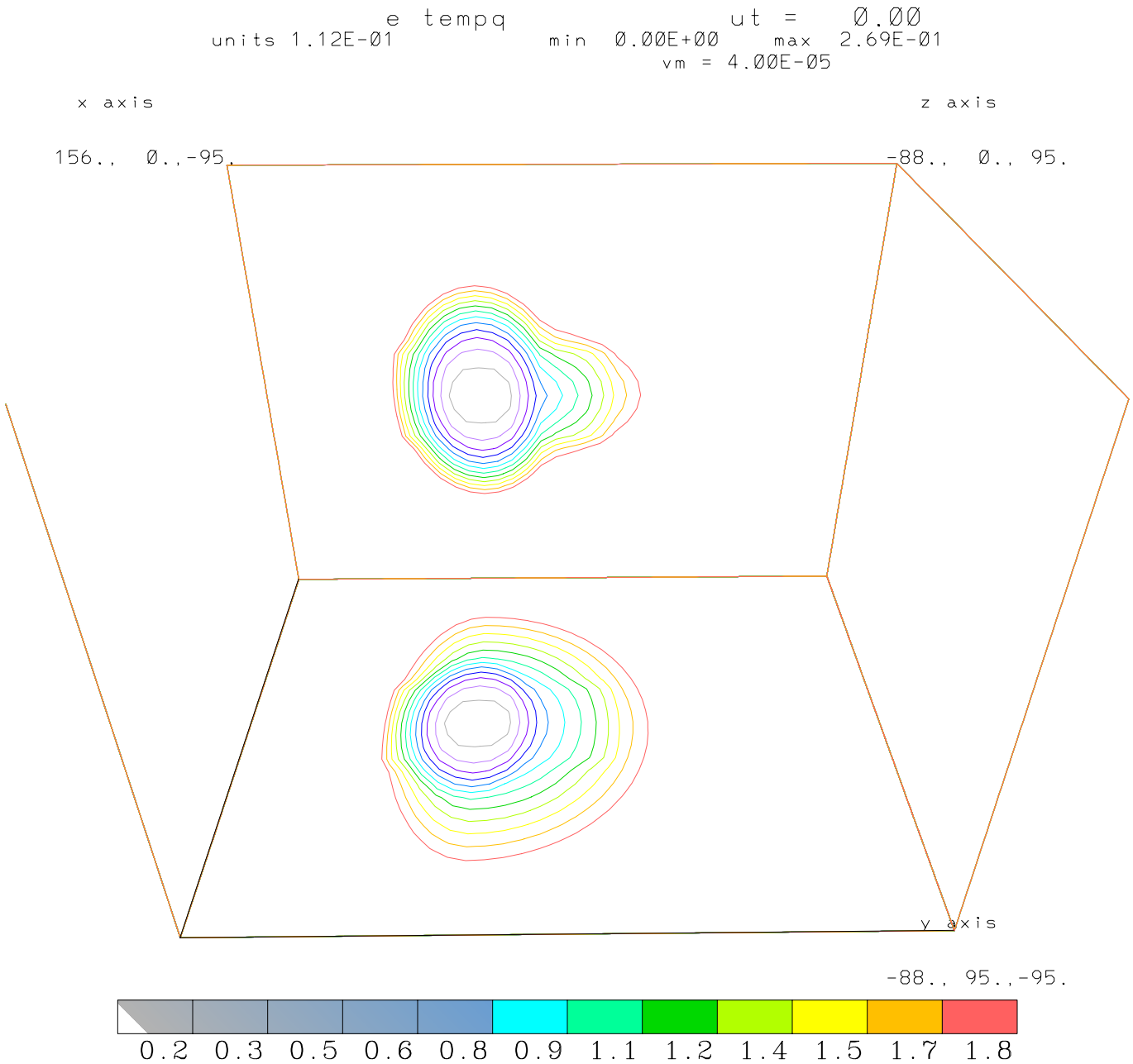
x axis z axis

156., 0.,-95. -88., 0., 95.




h tempo
ut = 0.00
units 2.50E-01
min 0.00E+00
max 5.00E-01
vm = 4.00E-05
x axis
z axis
156., 0.,-95.
-88., 0., 95.
y axis
-88., 95.,-95.
0.2 0.3 0.5 0.6 0.8 0.9 1.1 1.2 1.4 1.5 1.7 1.8


o tempe
ut = 0.00
units 2.50E-01
min 0.00E+00
max 5.00E-01
vm = 4.00E-05
x axis
z axis
156., 0.,-95.
-88., 0., 95.
y axis
-88., 95.,-95.
0.2 0.3 0.5 0.6 0.8 0.9 1.1 1.2 1.4 1.5 1.7 1.8


e tempq
ut = 0.00
units 1.12E-01
min 0.00E+00
max 2.69E-01
vm = 4.00E-05
x axis
z axis
156., 0.,-95.
-88., 0., 95.
y axis
-88., 95.,-95.
0.2 0.3 0.5 0.6 0.8 0.9 1.1 1.2 1.4 1.5 1.7 1.8

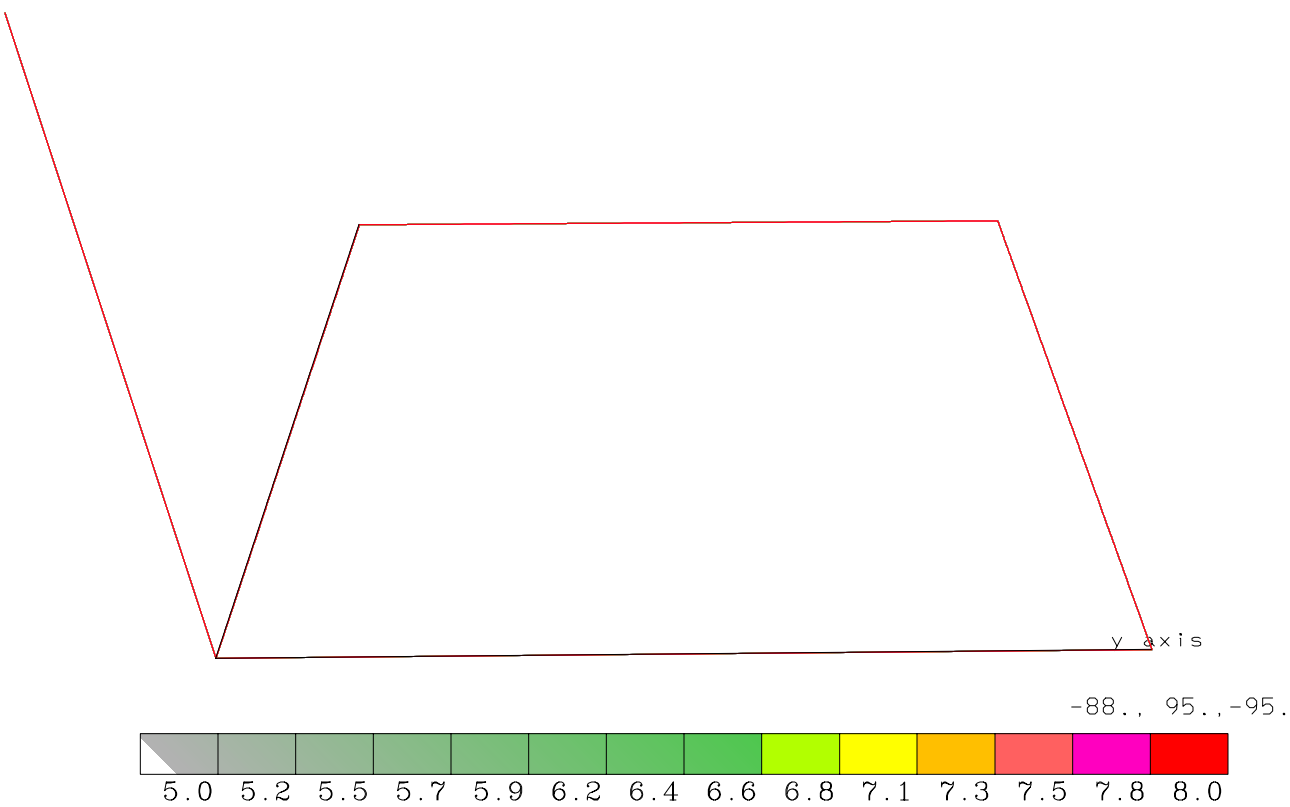
q den vh ut = 0.00

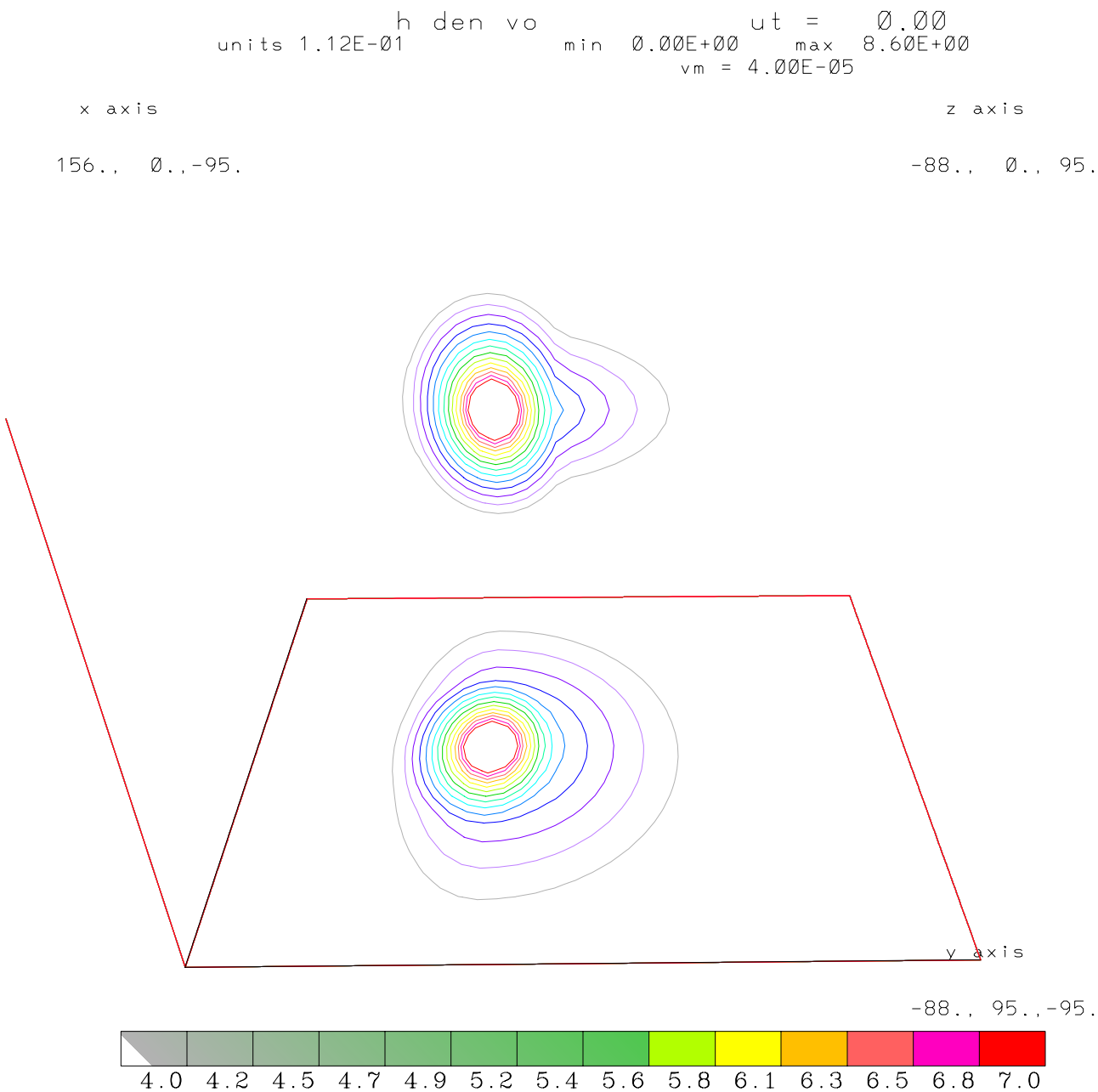
units 1.12E-01 min 0.00E+00 max 4.00E+00

vm = 4.00E-05

x axis z axis

156., 0.,-95. -88., 0., 95.




h den vo ut = 0.00
units 1.12E-01 min 0.00E+00 max 8.60E+00
vm = 4.00E-05
x axis
z axis
156., 0.,-95.
-88., 0., 95.
y axis
-88., 95.,-95.
4.0 4.2 4.5 4.7 4.9 5.2 5.4 5.6 5.8 6.1 6.3 6.5 6.8 7.0

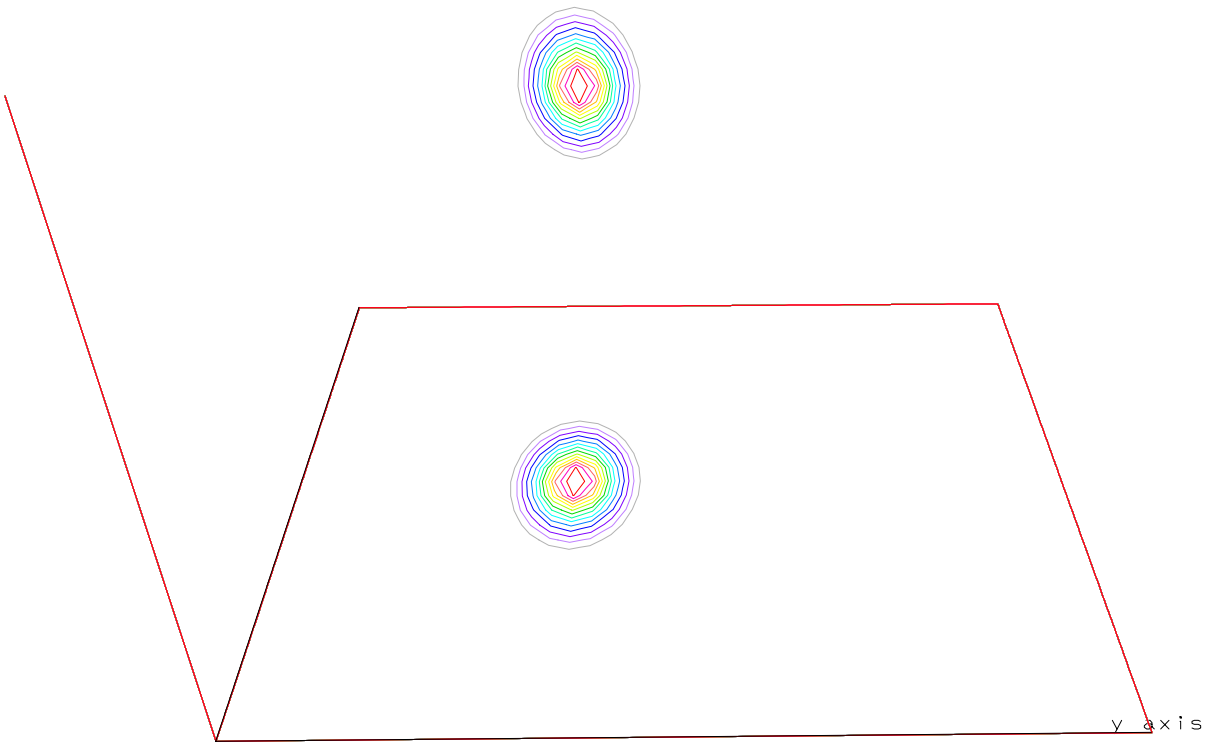
o den vt ut = 0.00

units 1.12E-01 min 0.00E+00 max 7.30E+00

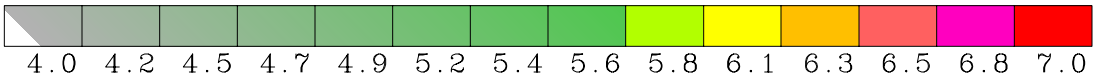
vm = 4.00E-05

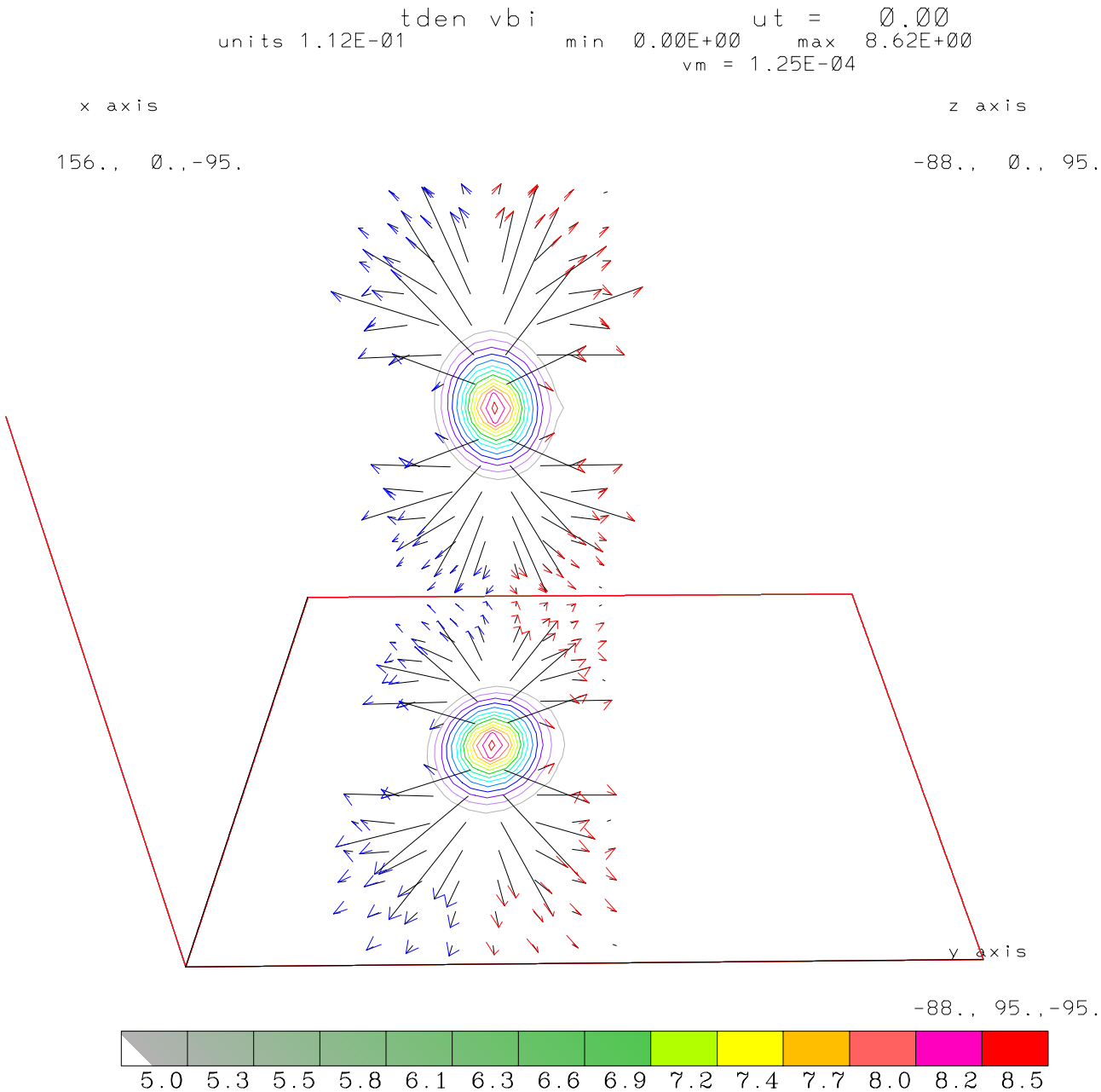
x axis z axis

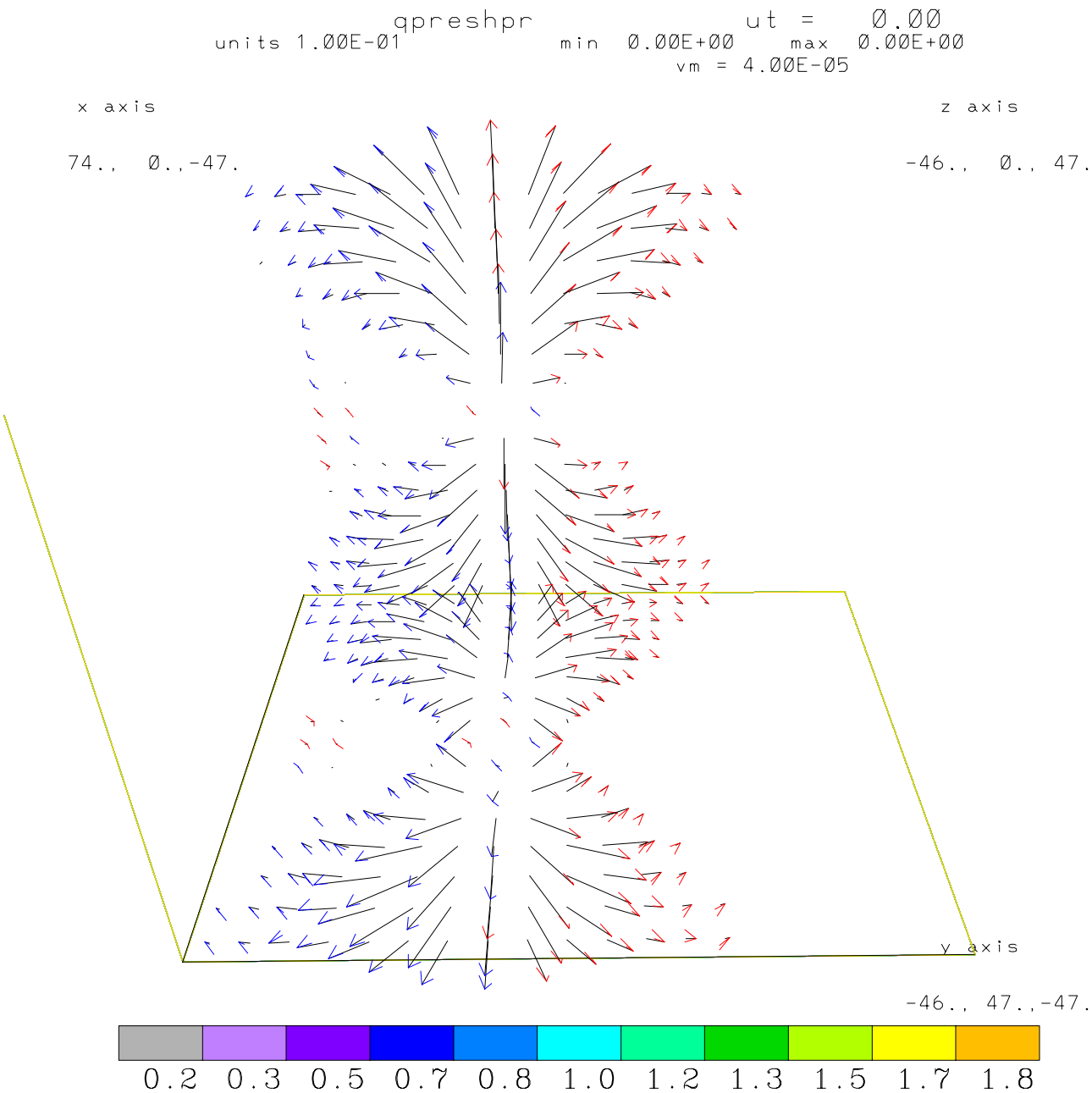
156., 0.,-95. -88., 0., 95.

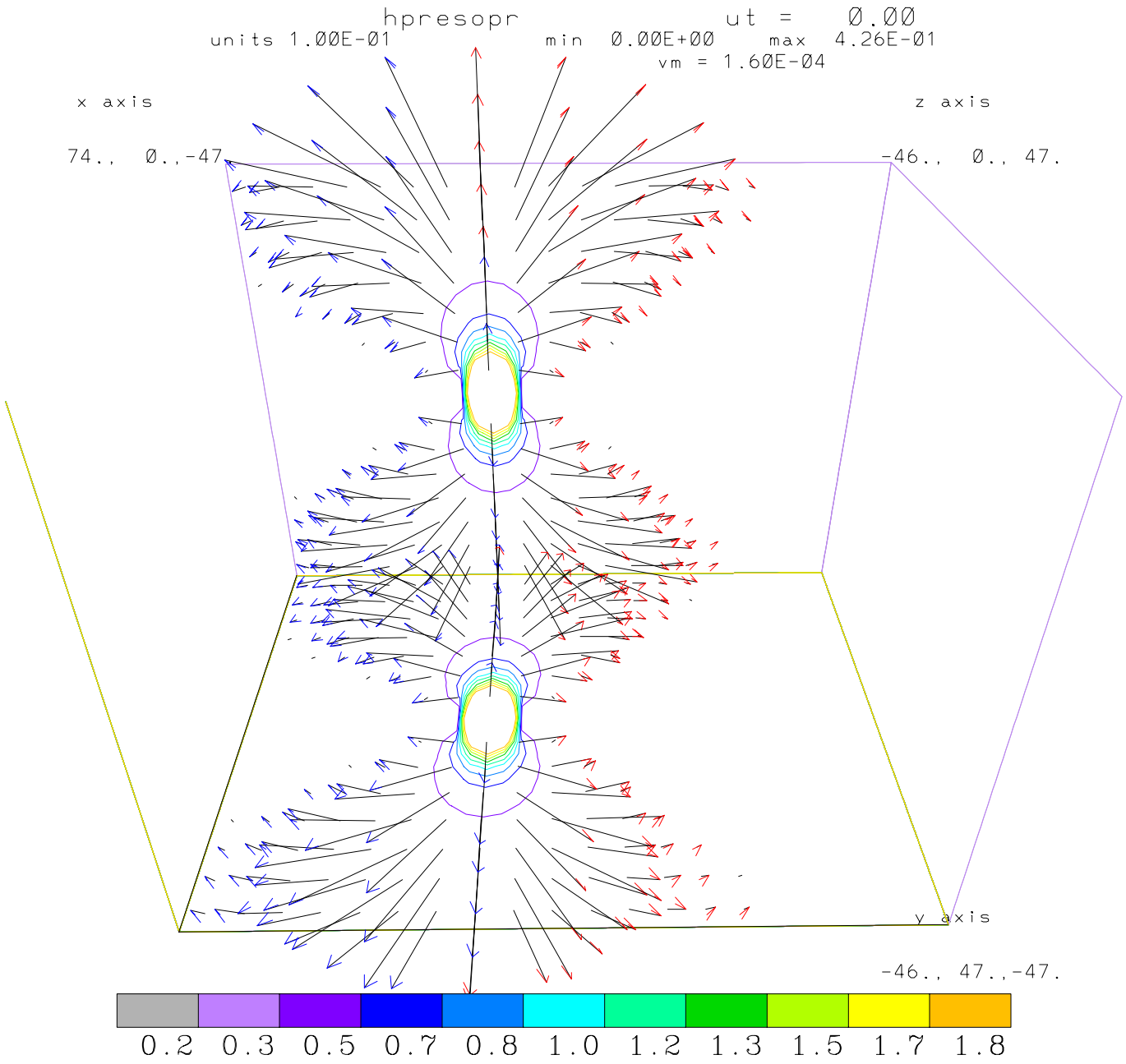


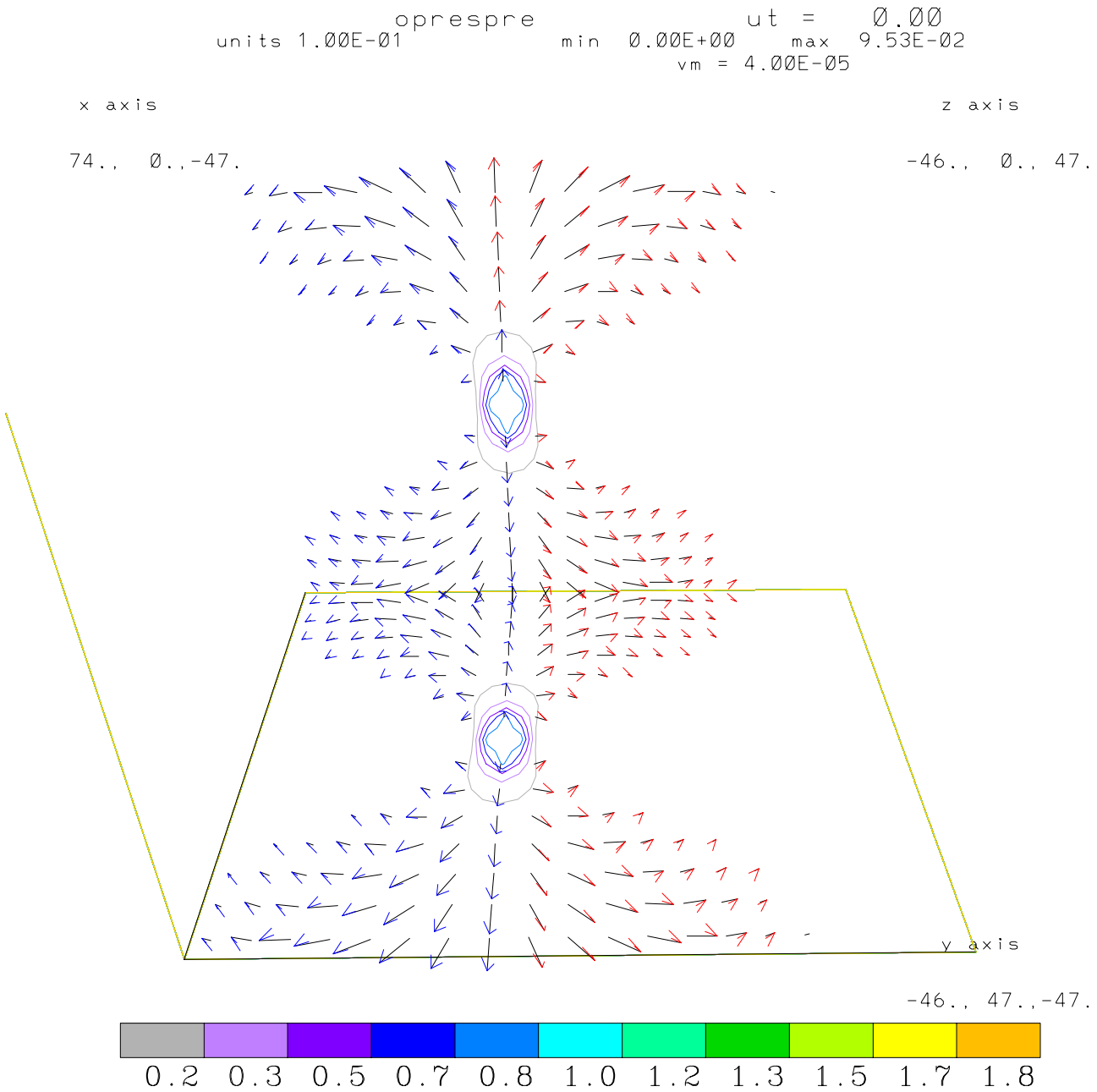
-88., 95.,-95.

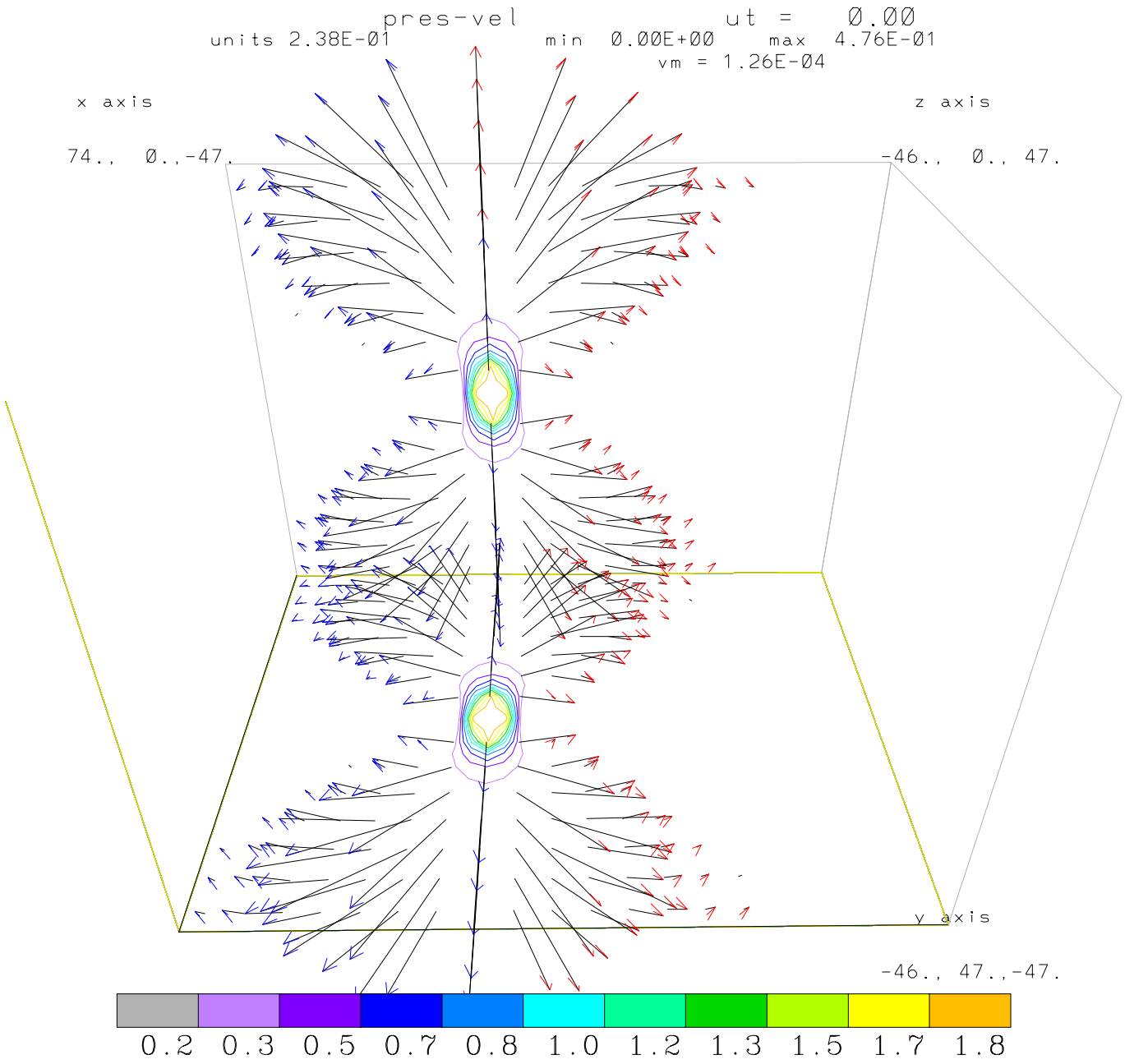



tden vbi
ut = 0.00
units 1.12E-01
min 0.00E+00
max 8.62E+00
vm = 1.25E-04
x axis
z axis
156., 0.,-95.
-88., 0., 95.
y axis
-88., 95.,-95.
5.0 5.3 5.5 5.8 6.1 6.3 6.6 6.9 7.2 7.4 7.7 8.0 8.2 8.5


qpreshpr
ut = 0.00
units 1.00E-01
min 0.00E+00
max 0.00E+00
vm = 4.00E-05
x axis
z axis
74., 0.,-47.
-46., 0., 47.
y axis
-46., 47.,-47.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


hpresopr
ut = 0.00
units 1.00E-01
min 0.00E+00
max 4.26E-01
vm = 1.60E-04
x axis
z axis
74., 0.,-47.
-46., 0., 47.
y axis
-46., 47.,-47.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


oprespre
ut = 0.00
units 1.00E-01
min 0.00E+00
max 9.53E-02
vm = 4.00E-05
x axis
z axis
74., 0.,-47.
-46., 0., 47.
y axis
-46., 47.,-47.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


pres-vel
ut = 0.00
units 2.38E-01
min 0.00E+00
max 4.76E-01
vm = 1.26E-04
x axis
z axis
74., 0.,-47.
-46., 0., 47.
y axis
-46., 47.,-47.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8

box 2 : dawn dusk ut = 0.00

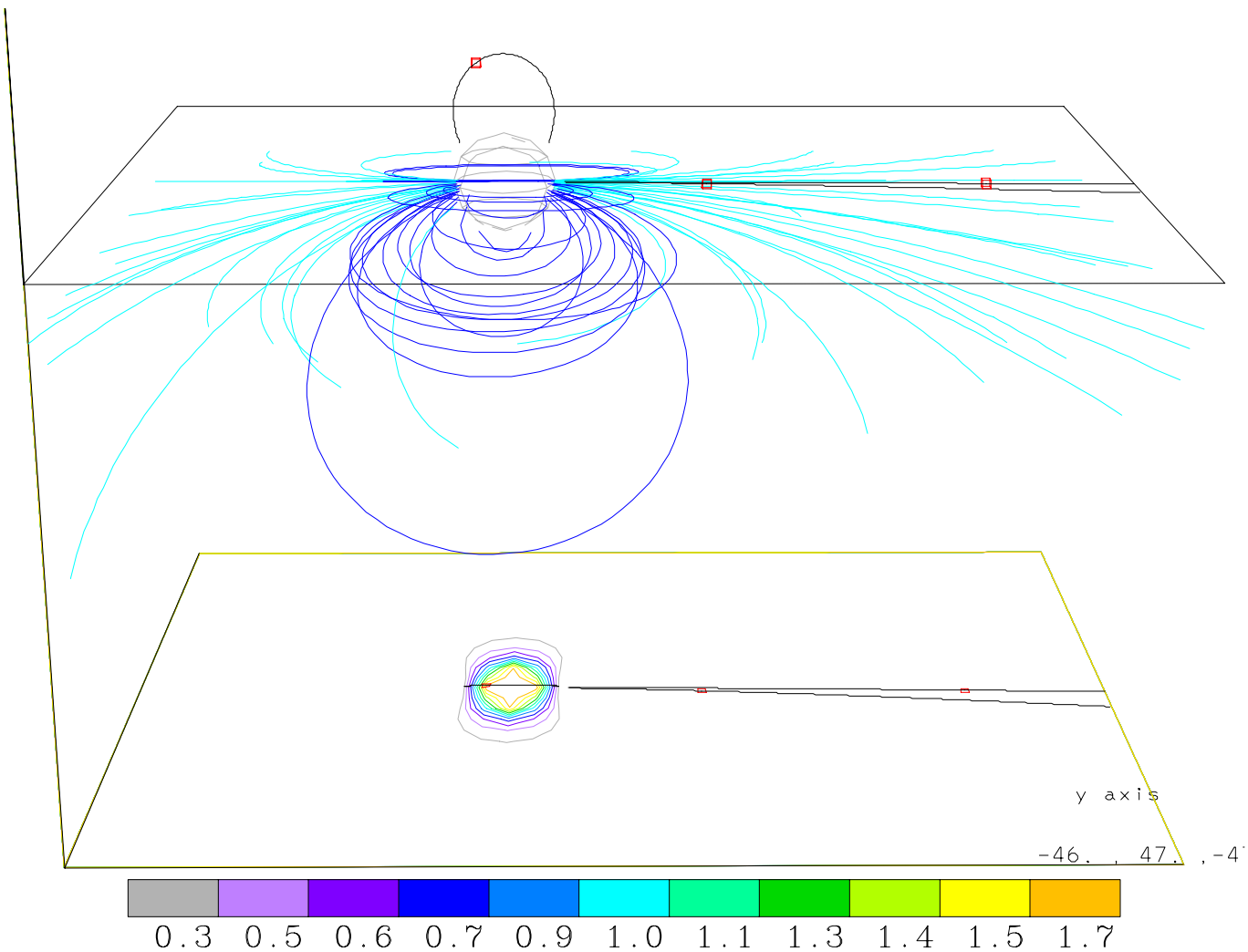
units 2.62E-01 min 4.76E-02 max 4.76E-01

vm = 4.00E-05

craft lat,MLT 2 1.0,-65.8, 0.2
craft lat,MLT 2 1.0, 65.8, 0.2
craft lat,MLT 3 1.0,-89.1, 18.0
craft lat,MLT 4 1.0,-89.7, 18.0

z axis

74. ,-47. , 47.



0.3 0.5 0.6 0.7 0.9 1.0 1.1 1.3 1.4 1.5 1.7

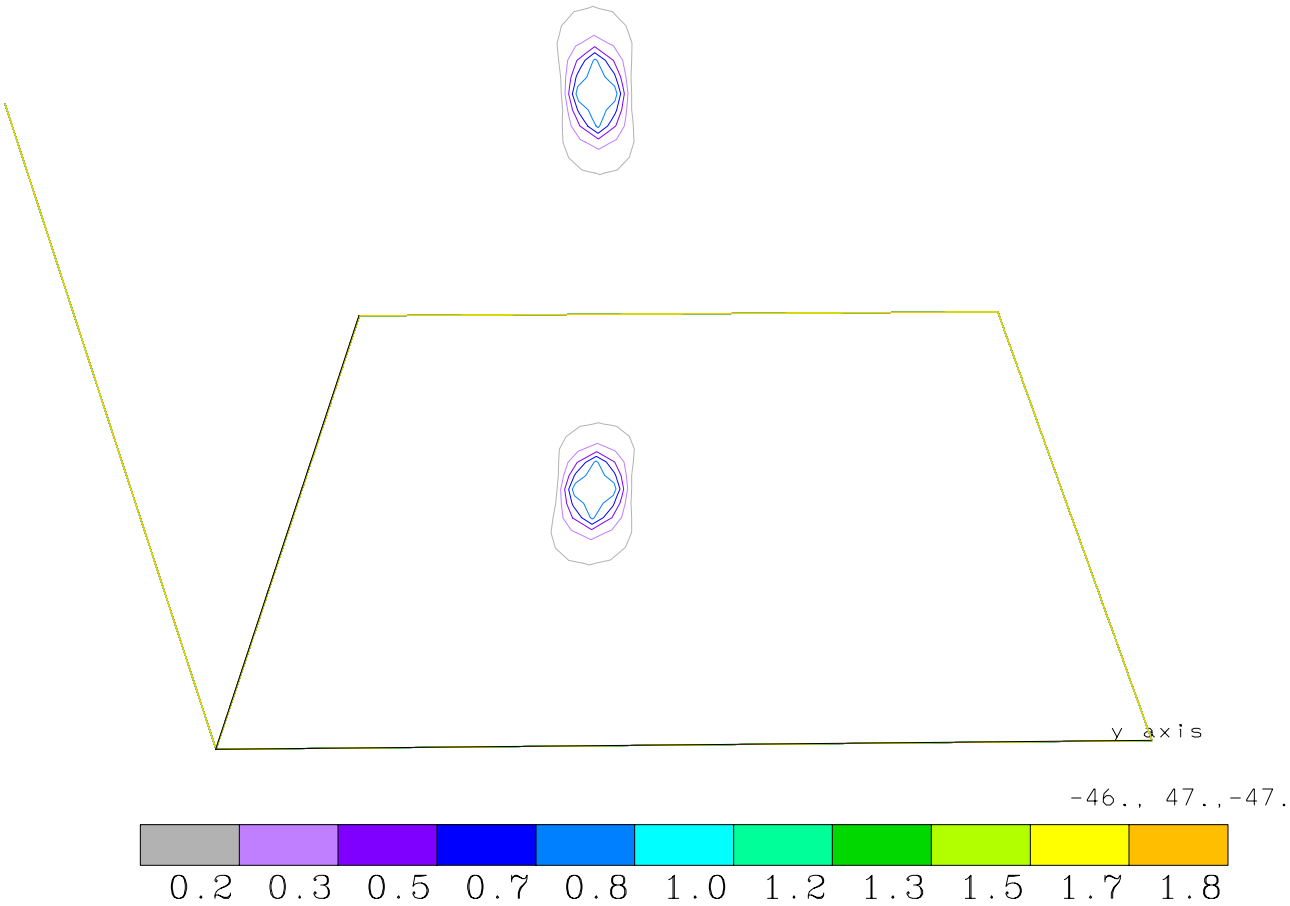
epresq t ut = 0.00

units 2.00E-01 min 0.00E+00 max 1.91E-01

vm = 4.00E-05

x axis z axis

74., 0.,-47. -46., 0., 47.



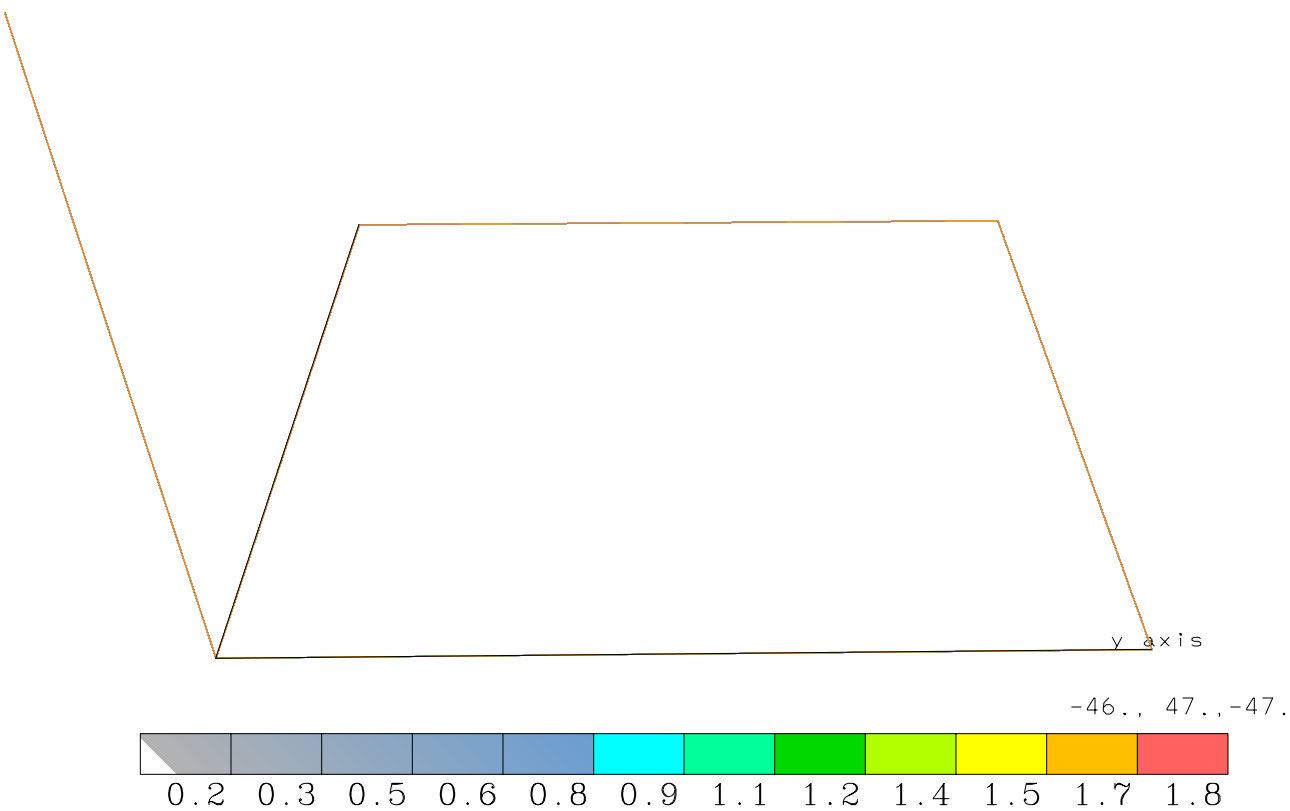
q temph ut = 0.00

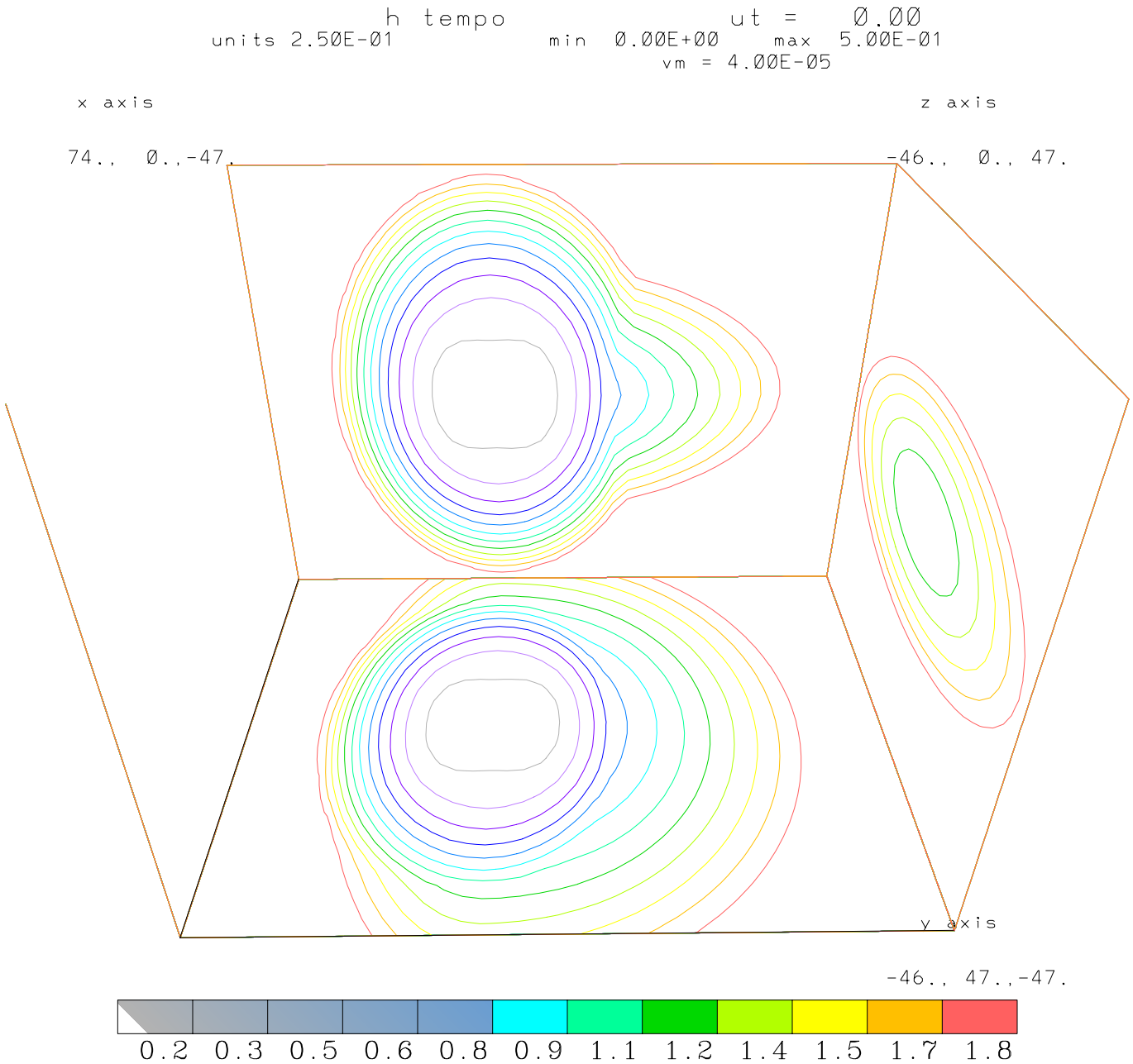
units 2.50E-01 min 0.00E+00 max 0.00E+00

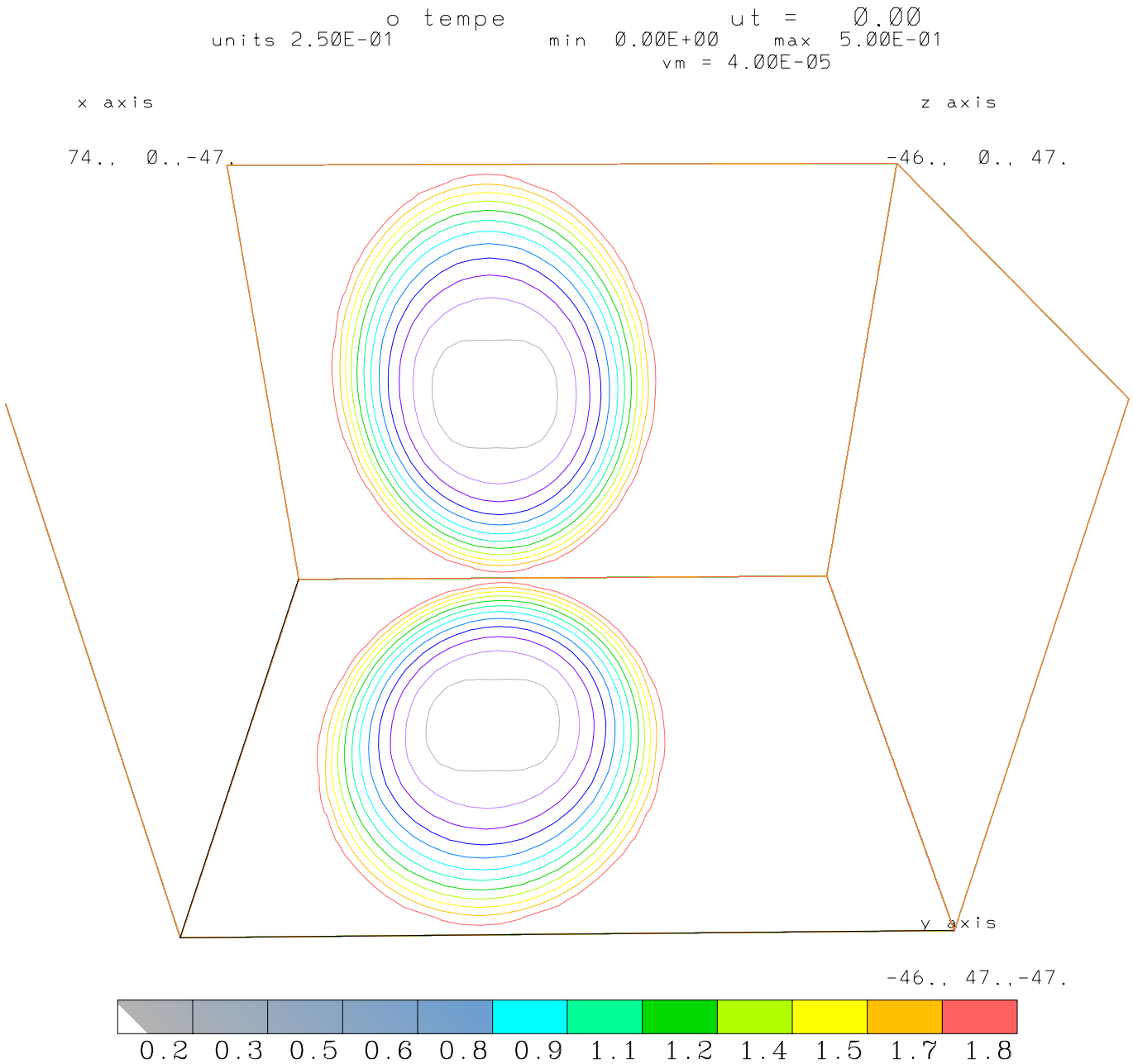
vm = 4.00E-05

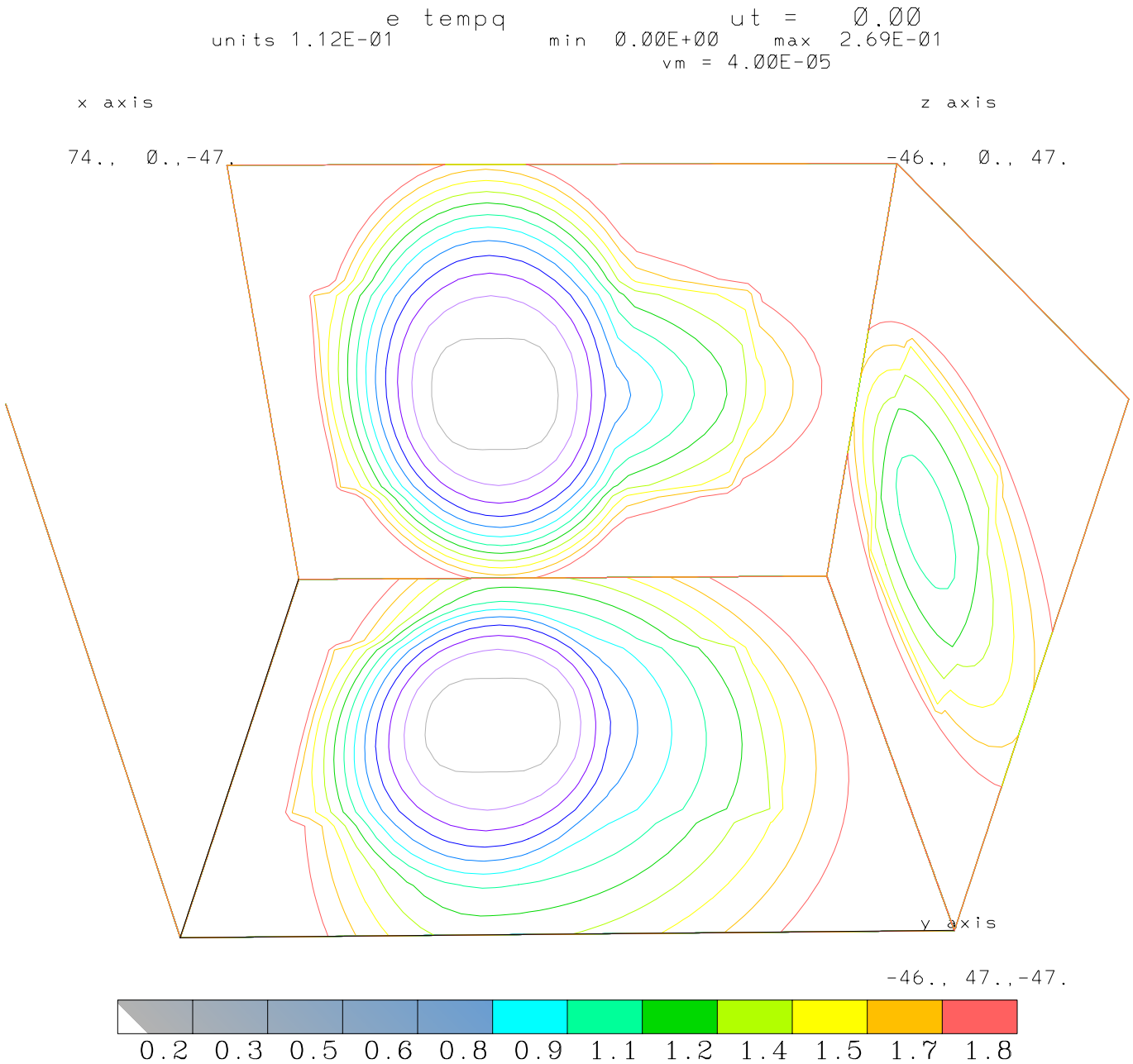
x axis z axis

74., 0.,-47. -46., 0., 47.




h tempo
ut = 0.00
units 2.50E-01
min 0.00E+00
max 5.00E-01
vm = 4.00E-05
x axis
z axis
74., 0.,-47.
-46., 0., 47.
y axis
-46., 47.,-47.
0.2 0.3 0.5 0.6 0.8 0.9 1.1 1.2 1.4 1.5 1.7 1.8


o tempe
ut = 0.00
units 2.50E-01
min 0.00E+00
max 5.00E-01
vm = 4.00E-05
x axis
z axis
74., 0.,-47.
-46., 0., 47.
y axis
-46., 47.,-47.
0.2 0.3 0.5 0.6 0.8 0.9 1.1 1.2 1.4 1.5 1.7 1.8


e tempq
ut = 0.00
units 1.12E-01
min 0.00E+00
max 2.69E-01
vm = 4.00E-05
x axis
z axis
74., 0.,-47.
-46., 0., 47.
y axis
-46., 47.,-47.
0.2 0.3 0.5 0.6 0.8 0.9 1.1 1.2 1.4 1.5 1.7 1.8

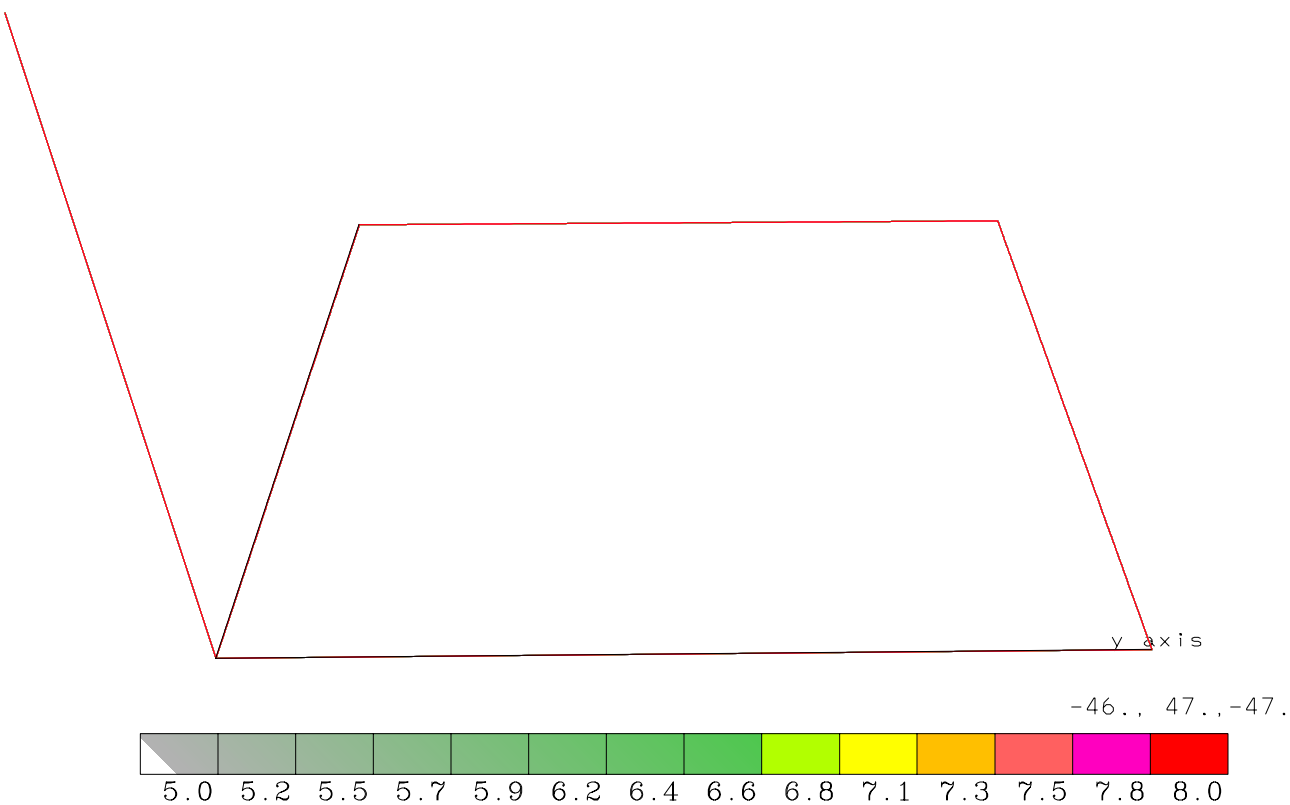
q den vh ut = 0.00

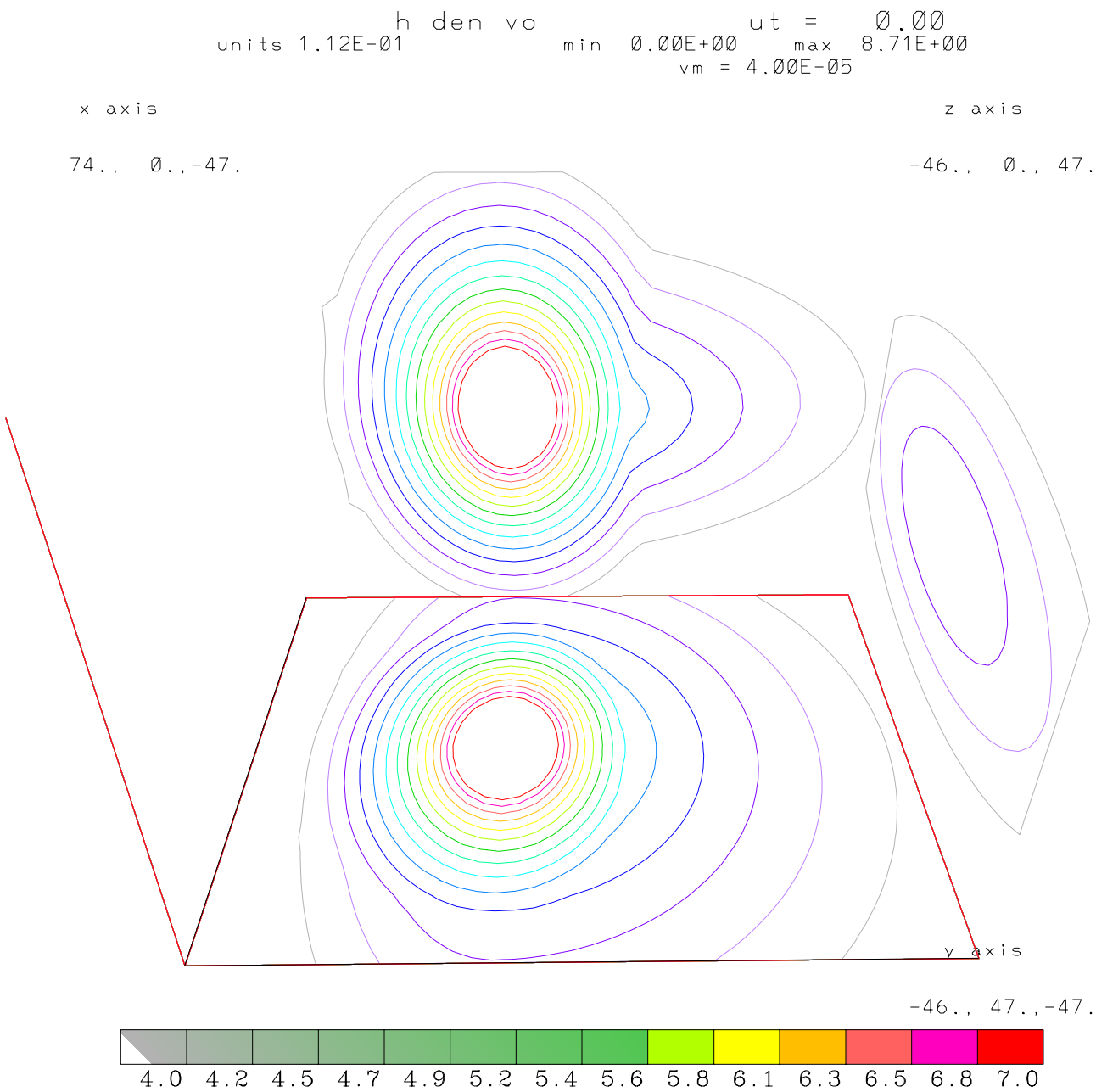
units 1.12E-01 min 0.00E+00 max 4.00E+00

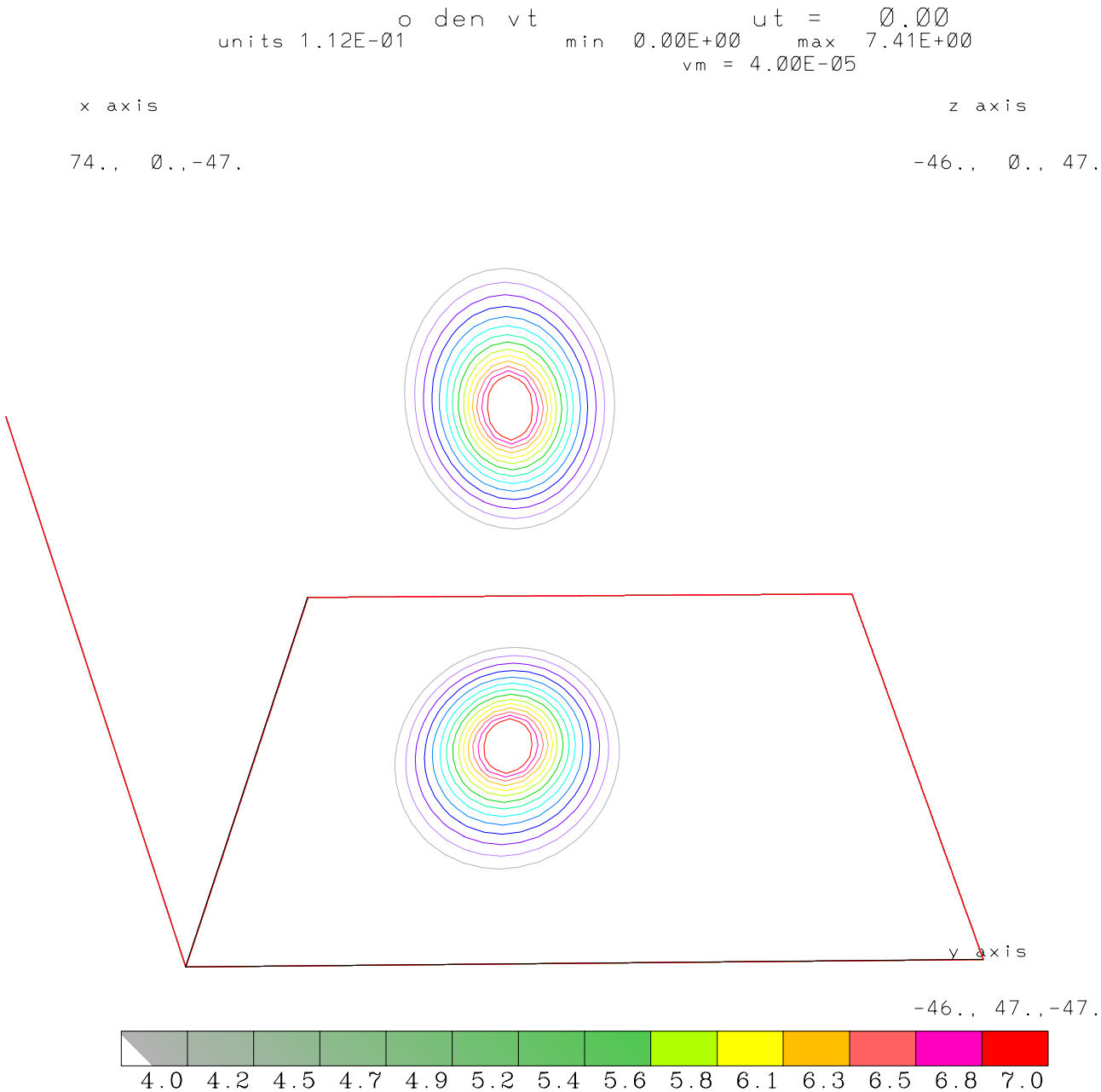
vm = 4.00E-05

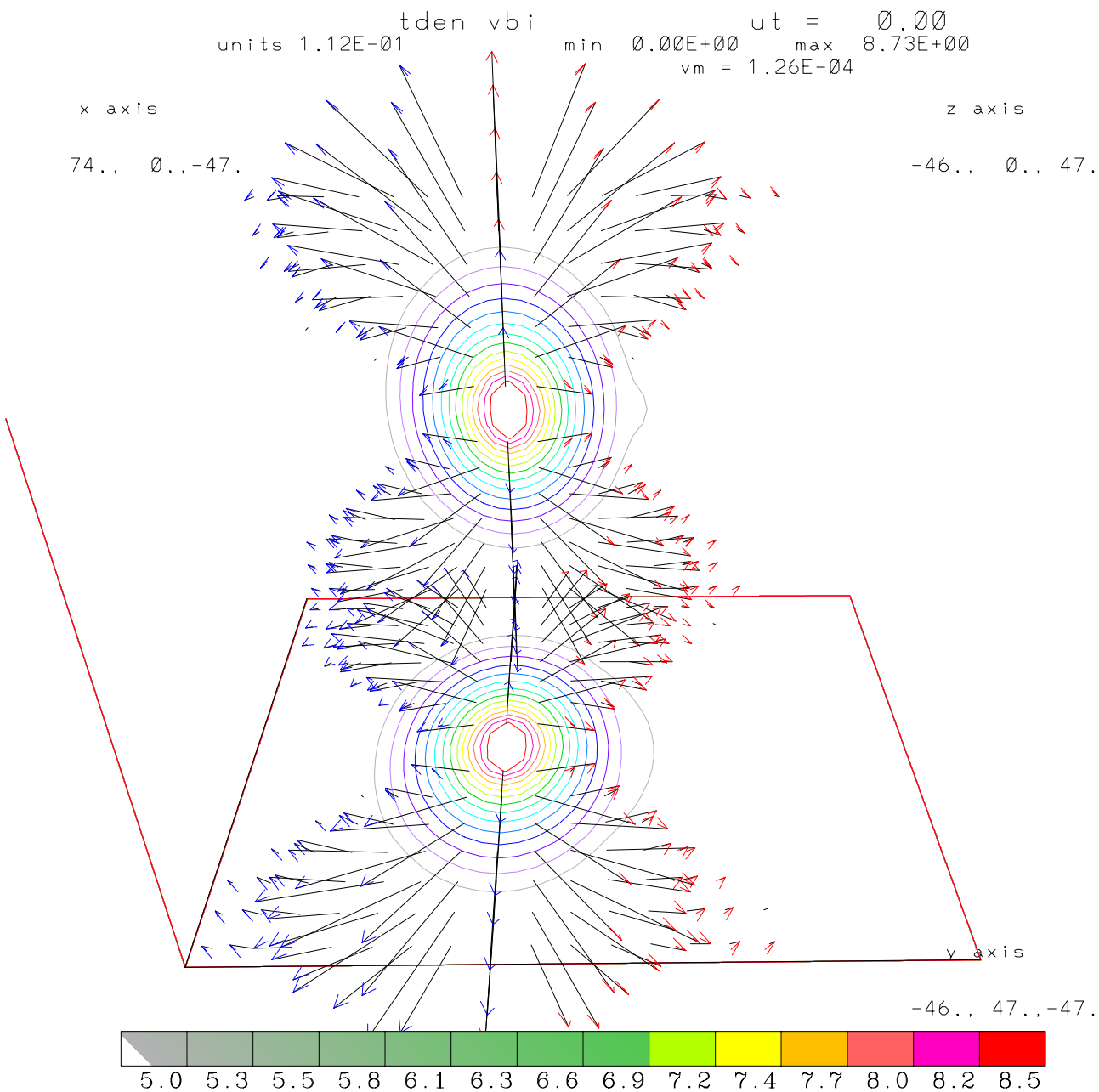
x axis z axis

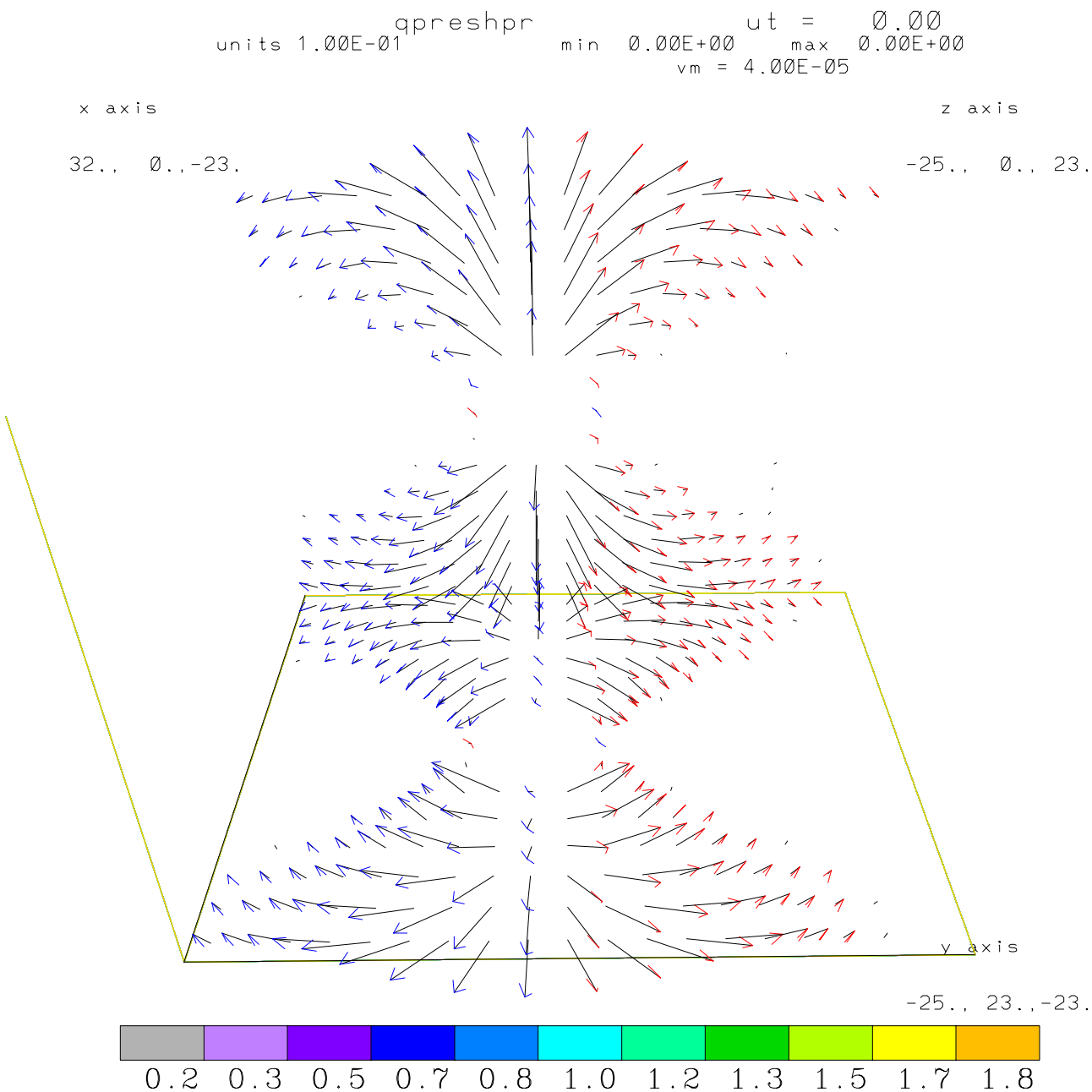
74., 0.,-47. -46., 0., 47.

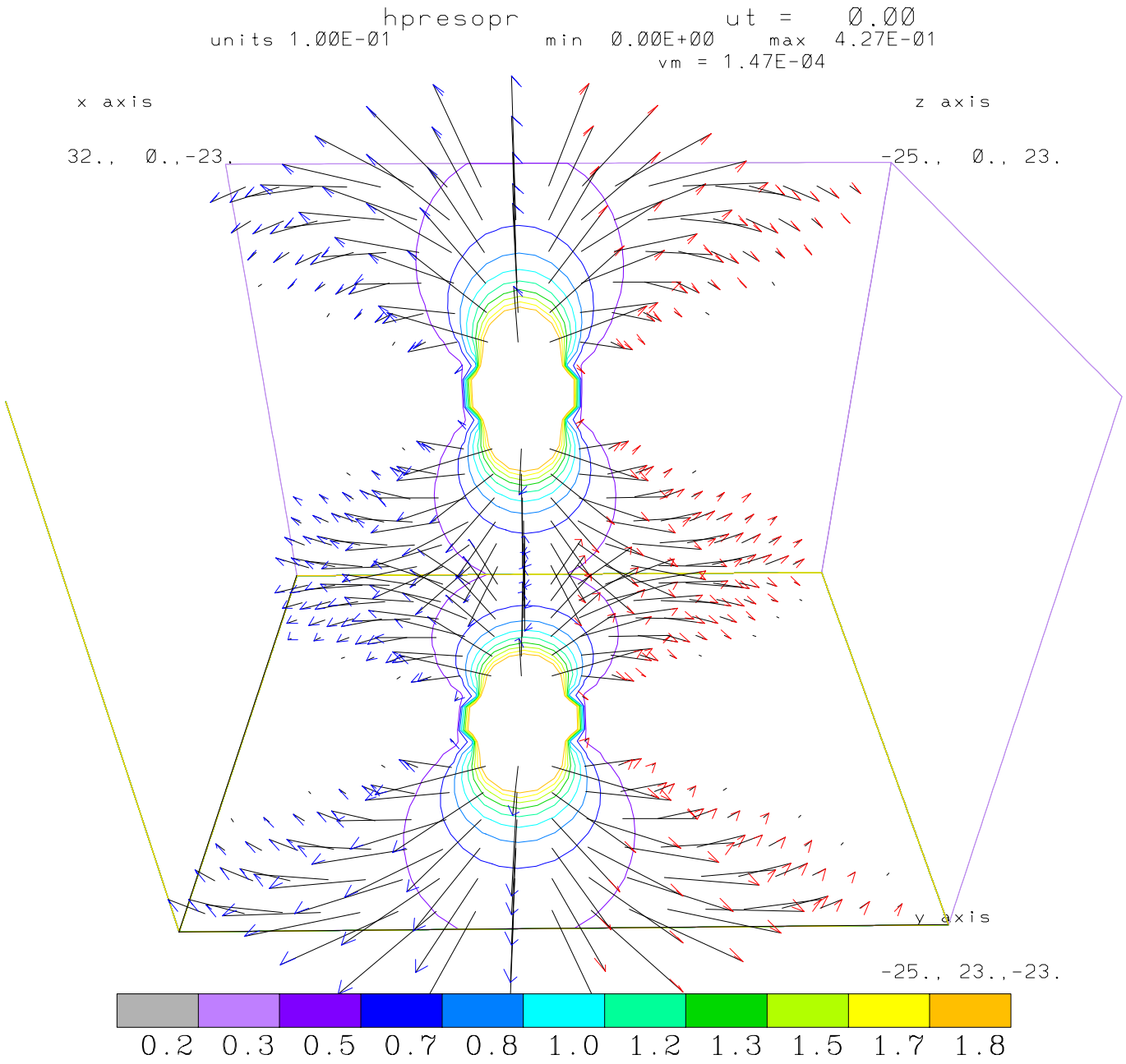


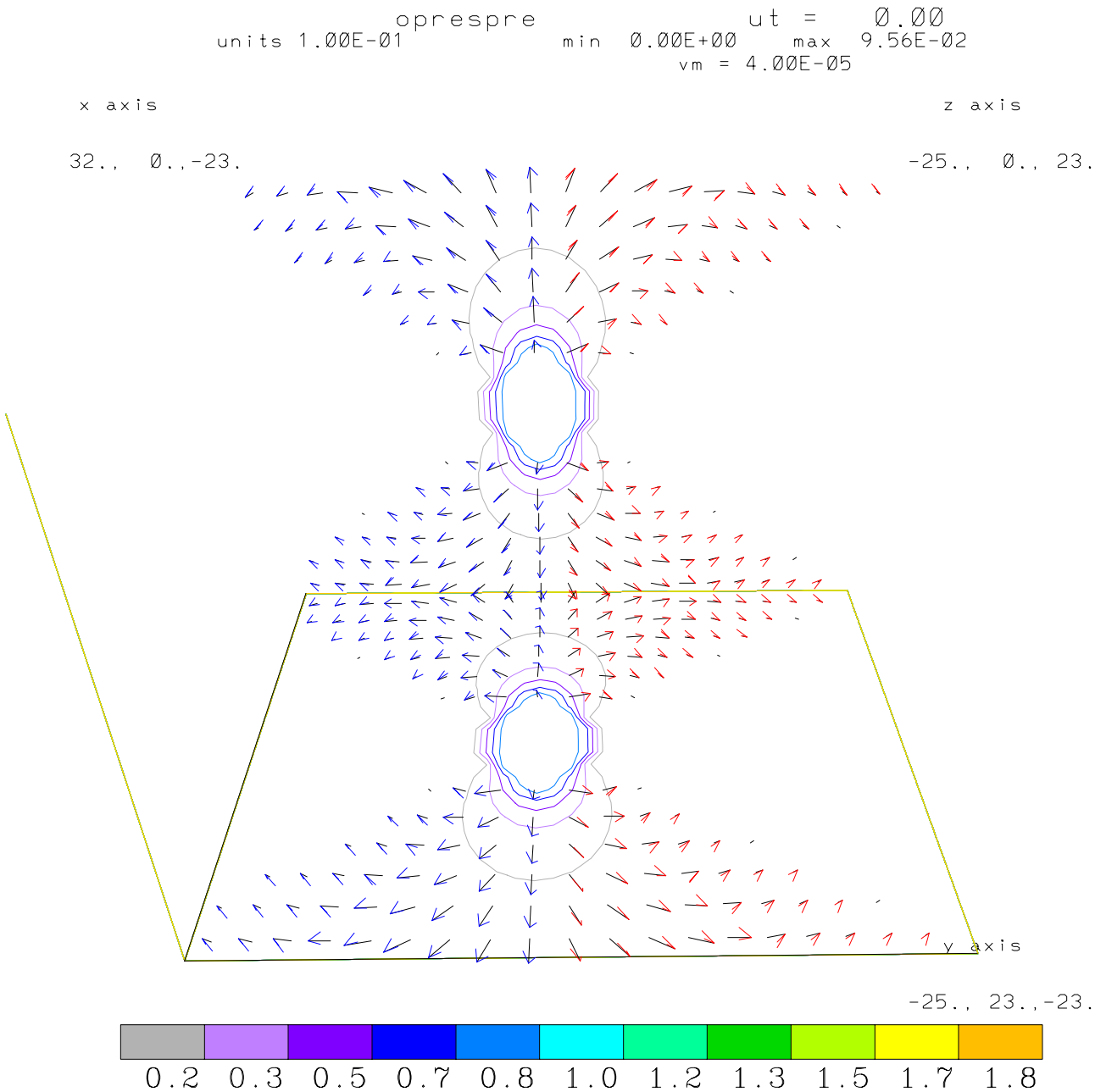

h den vo ut = 0.00
units 1.12E-01 min 0.00E+00 max 8.71E+00
vm = 4.00E-05
x axis
z axis
74., 0.,-47.
-46., 0., 47.
y axis
-46., 47.,-47.
4.0 4.2 4.5 4.7 4.9 5.2 5.4 5.6 5.8 6.1 6.3 6.5 6.8 7.0

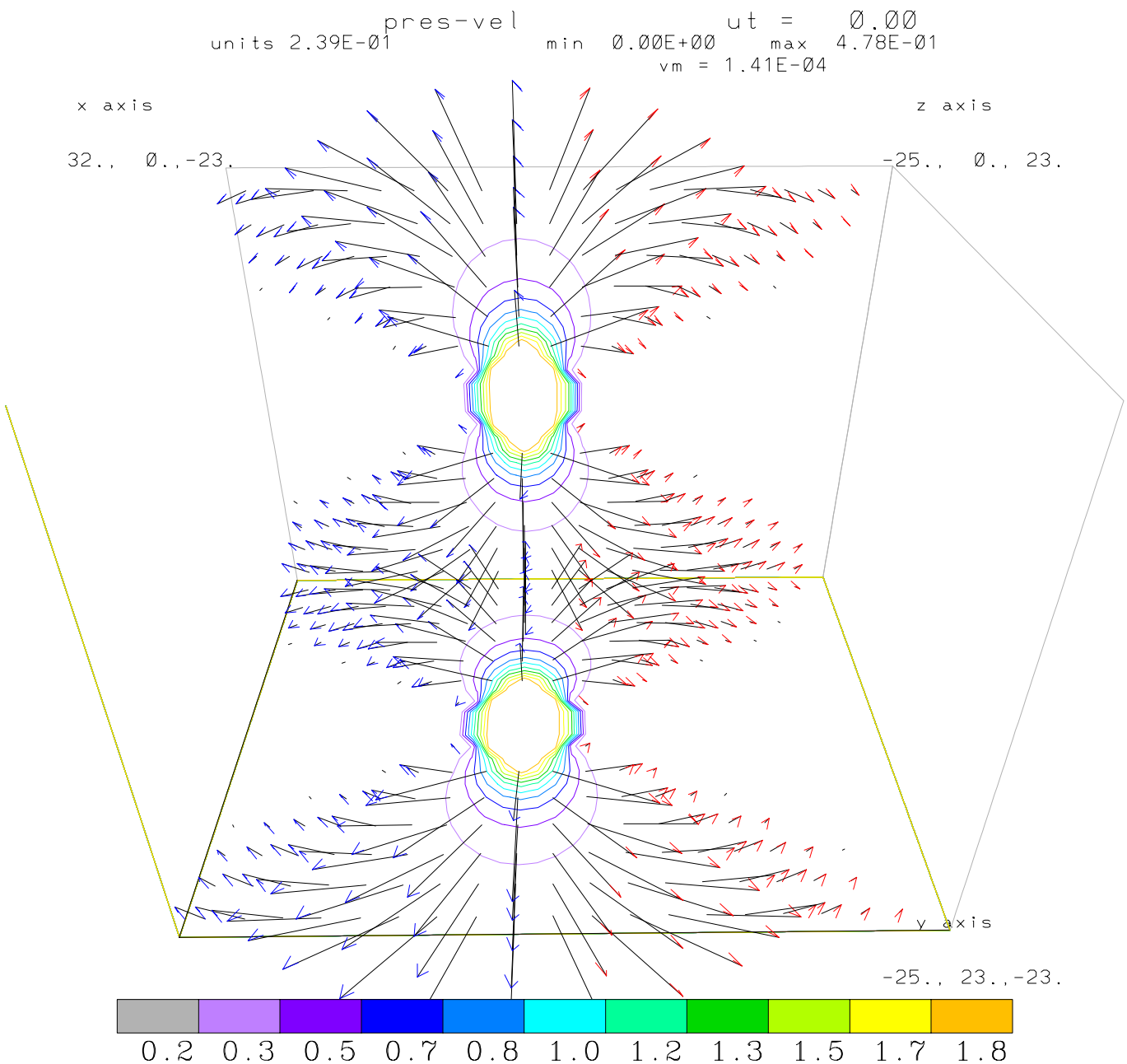

o den vt
ut = 0.00
units 1.12E-01
min 0.00E+00
max 7.41E+00
vm = 4.00E-05
x axis
z axis
74., 0.,-47.
-46., 0., 47.
y axis
-46., 47.,-47.
4.0 4.2 4.5 4.7 4.9 5.2 5.4 5.6 5.8 6.1 6.3 6.5 6.8 7.0

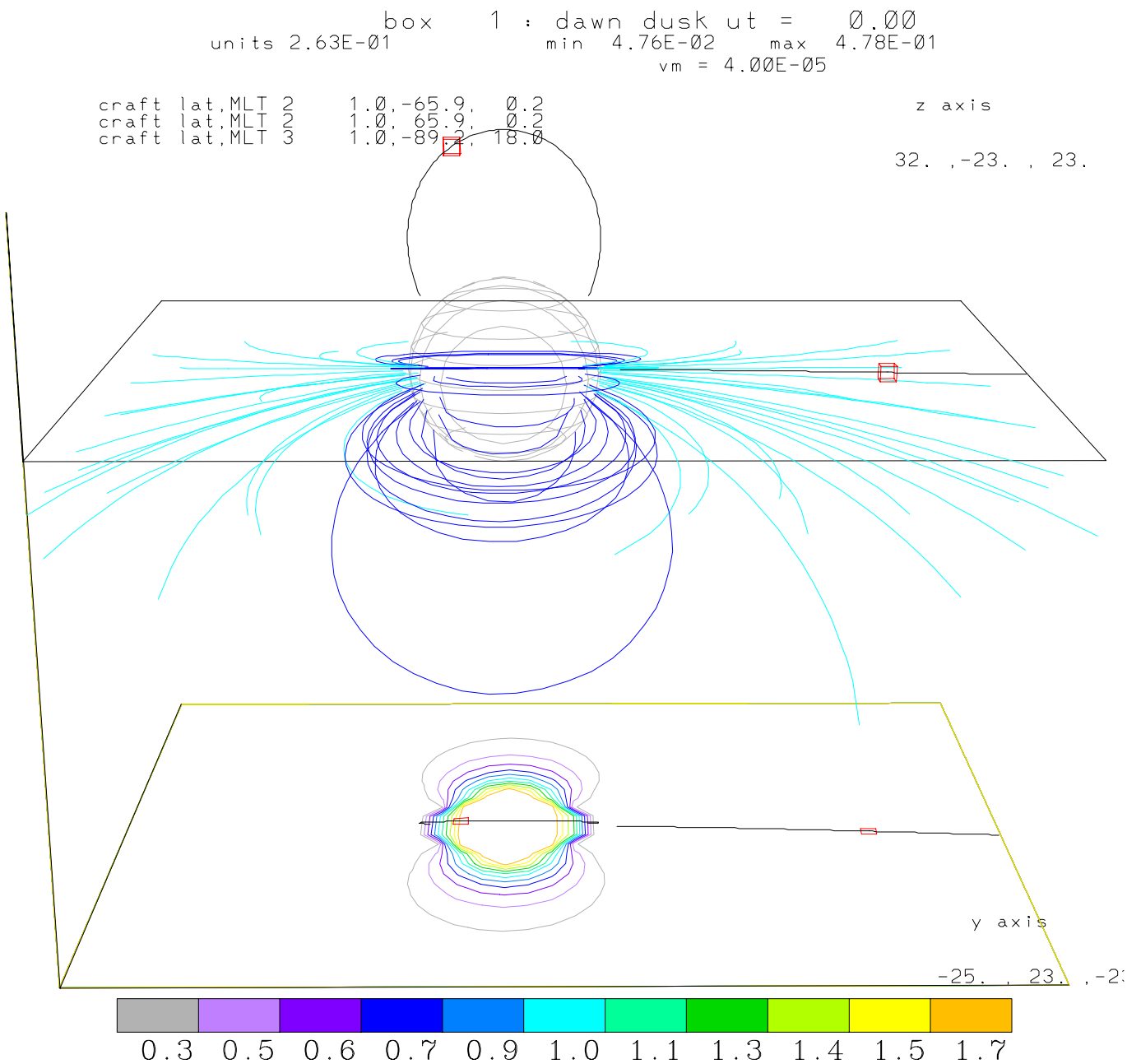

tden vbi
ut = 0.00
units 1.12E-01
min 0.00E+00
max 8.73E+00
vm = 1.26E-04
x axis
74., 0.,-47.
z axis
-46., 0., 47.
y axis
-46., 47.,-47.
5.0 5.3 5.5 5.8 6.1 6.3 6.6 6.9 7.2 7.4 7.7 8.0 8.2 8.5


qpreshpr
ut = 0.00
units 1.00E-01
min 0.00E+00
max 0.00E+00
vm = 4.00E-05
x axis
z axis
32., 0.,-23.
-25., 0., 23.
y axis
-25., 23.,-23.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


hpresopr
ut = 0.00
units 1.00E-01
min 0.00E+00
max 4.27E-01
vm = 1.47E-04
x axis
z axis
32., 0.,-23.
-25., 0., 23.
y axis
-25., 23.,-23.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


oprespre
ut = 0.00
units 1.00E-01
min 0.00E+00
max 9.56E-02
vm = 4.00E-05
x axis
z axis
32., 0.,-23.
-25., 0., 23.
y axis
-25., 23.,-23.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


pres-vel
ut = 0.00
units 2.39E-01
min 0.00E+00
max 4.78E-01
vm = 1.41E-04
x axis
z axis
32., 0.,-23.
-25., 0., 23.
y axis
-25., 23.,-23.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


box 1 : dawn dusk ut = 0.00
units 2.63E-01
min 4.76E-02 max 4.78E-01
vm = 4.00E-05
craft lat,MLT 2 1.0,-65.9, 0.2
craft lat,MLT 2 1.0, 65.9, 0.2
craft lat,MLT 3 1.0,-89.2, 18.0
z axis
32. ,-23. , 23.
y axis
-25. , 23. ,-2
0.3 0.5 0.6 0.7 0.9 1.0 1.1 1.3 1.4 1.5 1.7

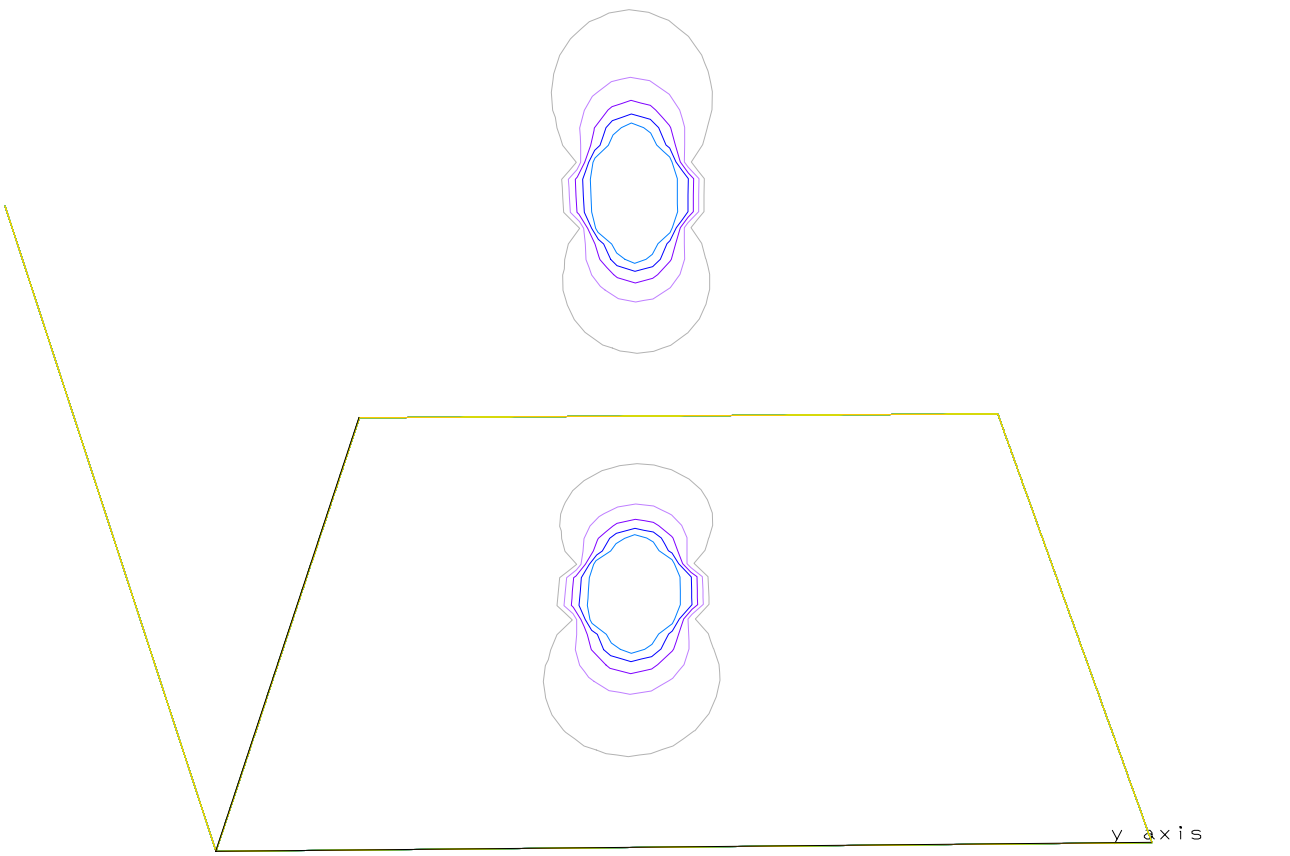
epresq t ut = 0.00

units 2.00E-01 min 0.00E+00 max 1.91E-01

vm = 4.00E-05

x axis z axis

32., 0.,-23. -25., 0., 23.



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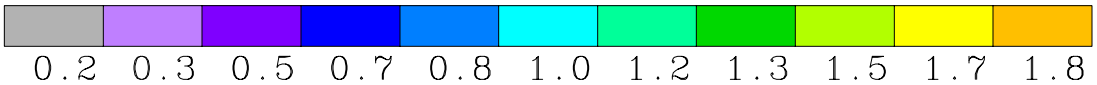


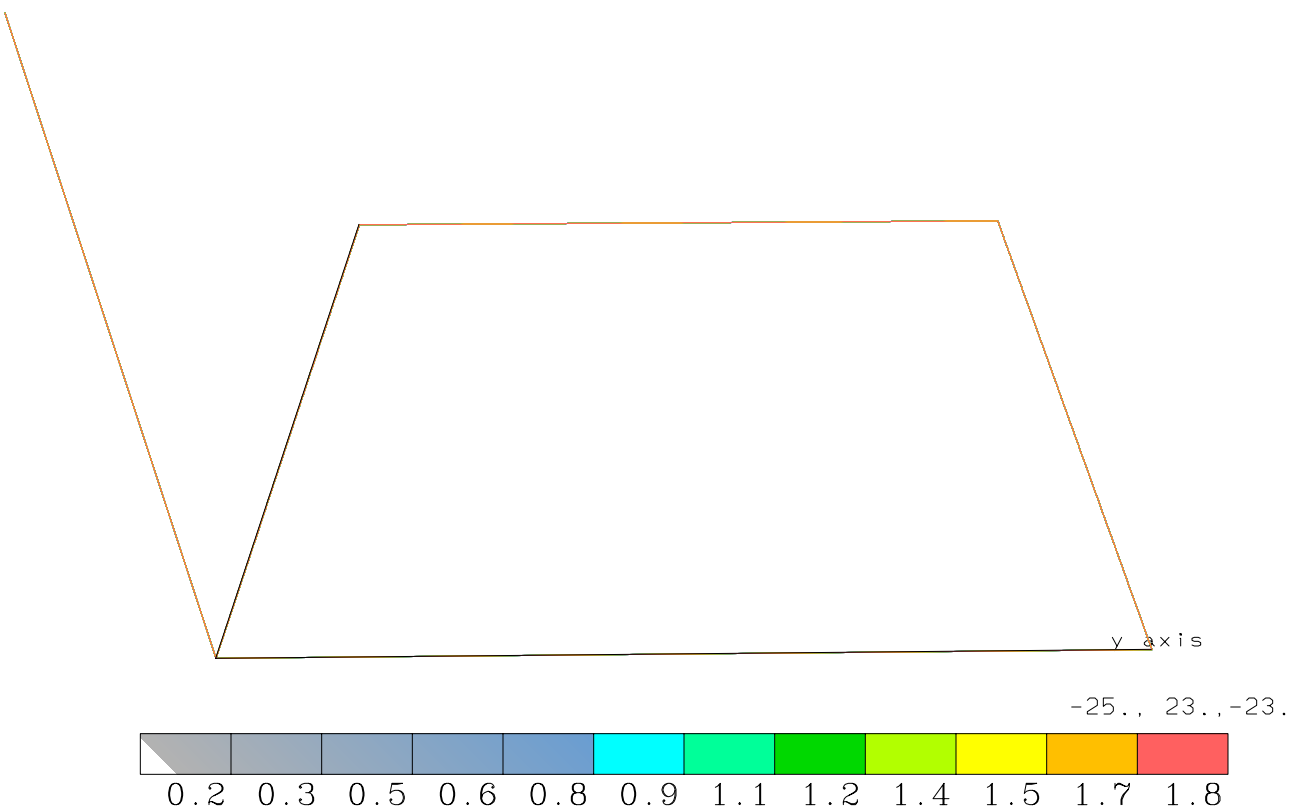
q temph ut = 0.00

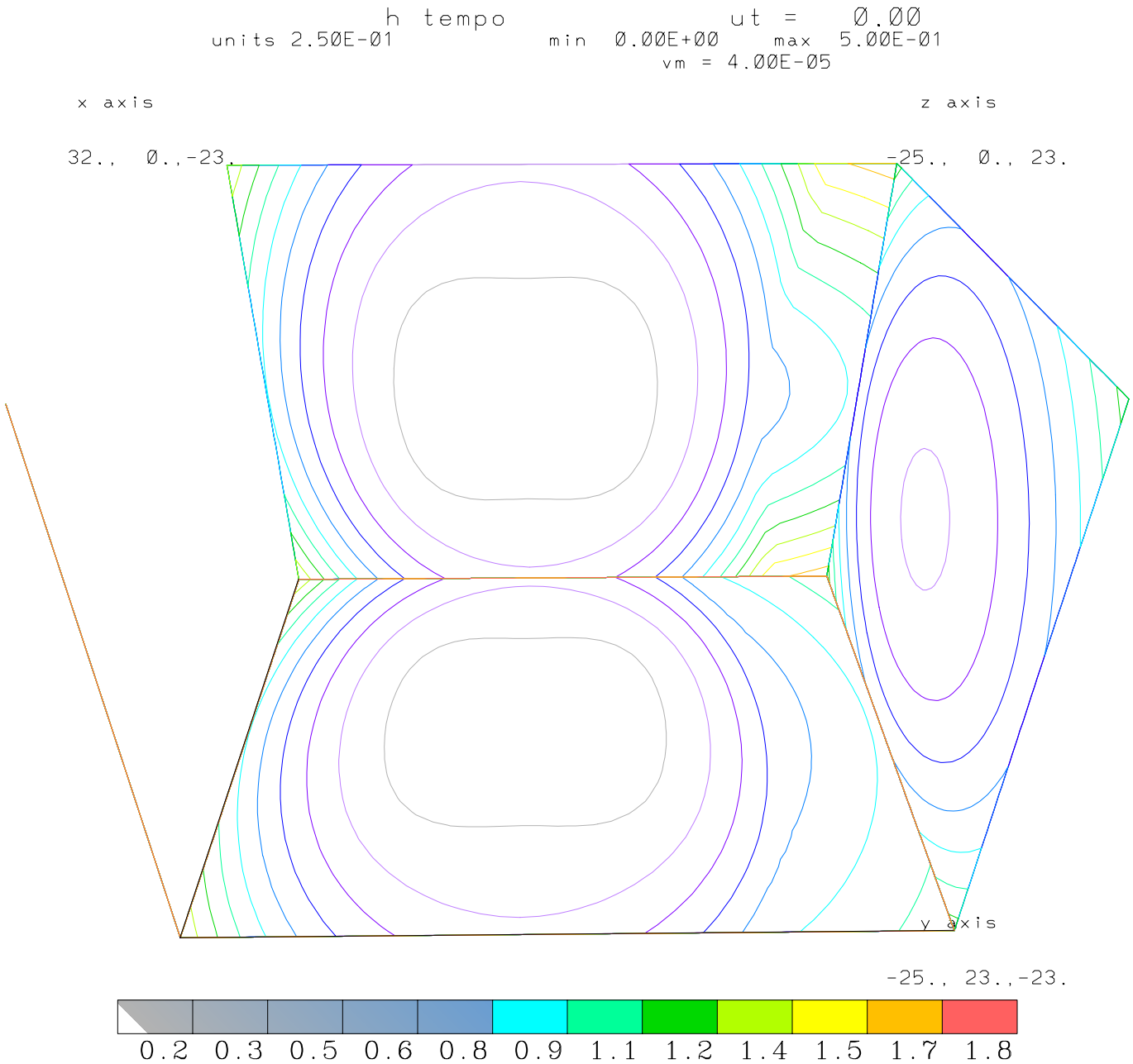
units 2.50E-01 min 0.00E+00 max 0.00E+00

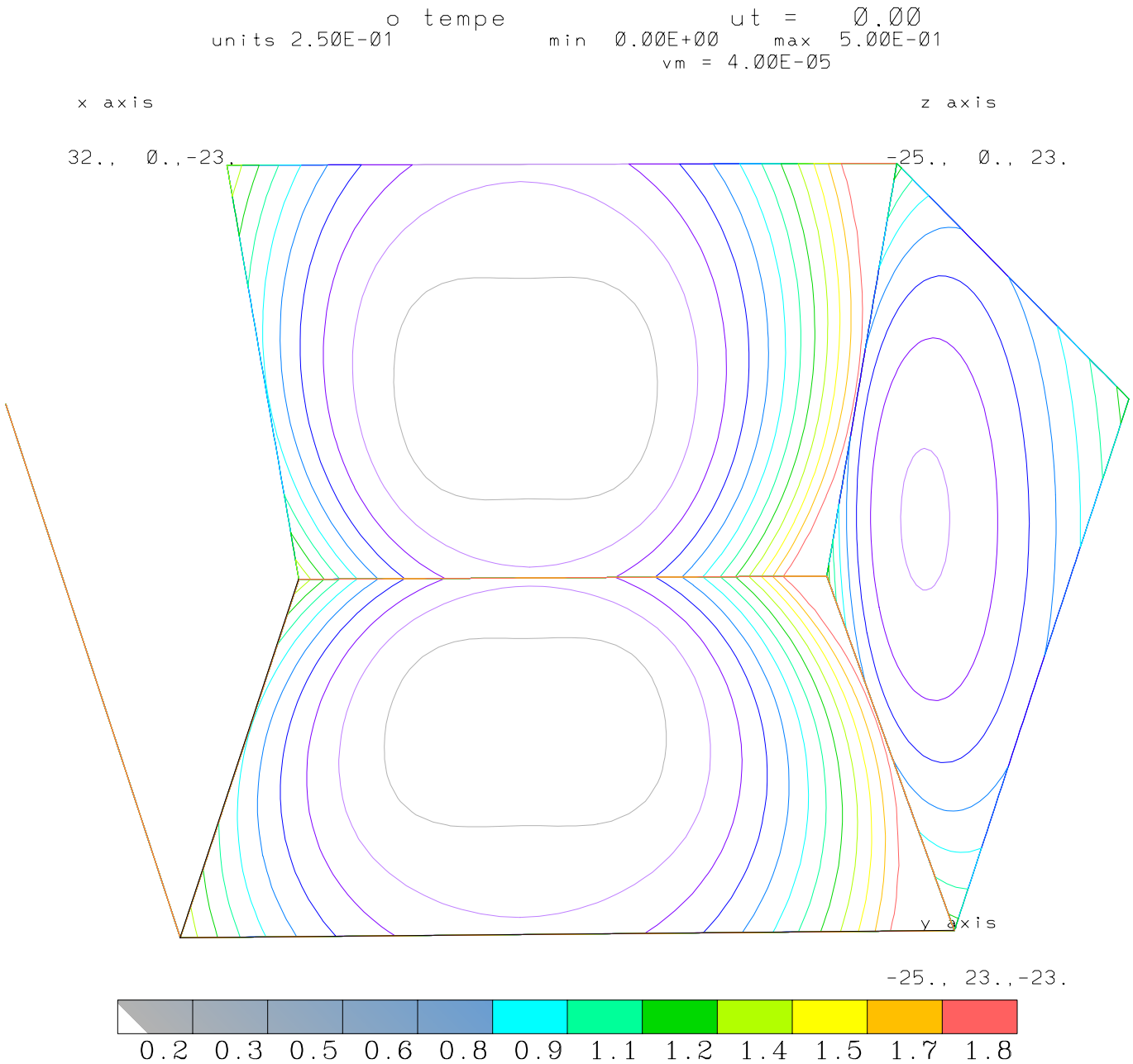
vm = 4.00E-05

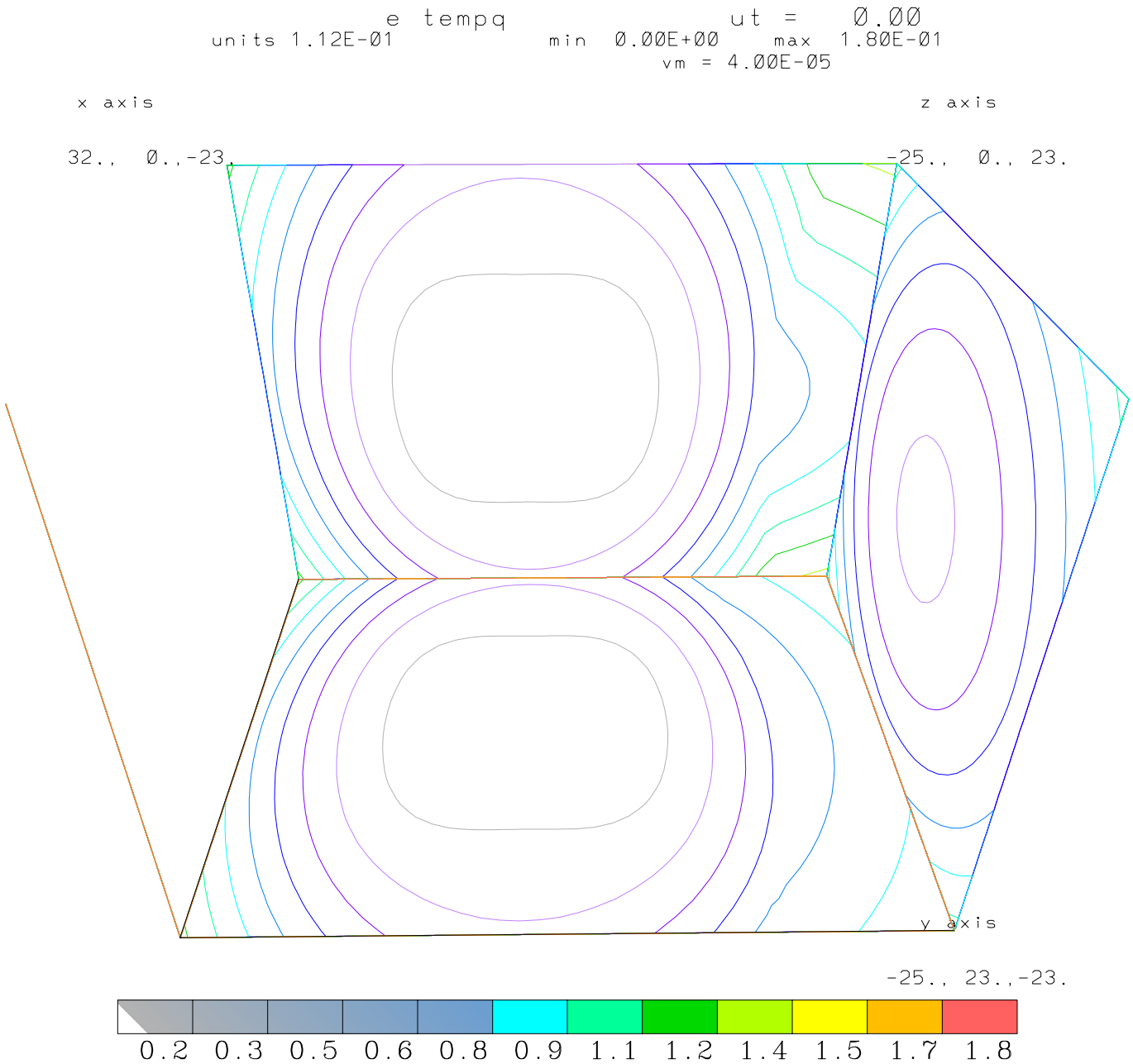
x axis z axis

32., 0.,-23. -25., 0., 23.




h tempo
ut = 0.00
units 2.50E-01
min 0.00E+00
max 5.00E-01
vm = 4.00E-05
x axis
z axis
32., 0.,-23.
-25., 0., 23.
y axis
-25., 23.,-23.
0.2 0.3 0.5 0.6 0.8 0.9 1.1 1.2 1.4 1.5 1.7 1.8


o tempe
ut = 0.00
units 2.50E-01
min 0.00E+00
max 5.00E-01
vm = 4.00E-05
x axis
z axis
32., 0.,-23.
-25., 0., 23.
y axis
-25., 23.,-23.
0.2 0.3 0.5 0.6 0.8 0.9 1.1 1.2 1.4 1.5 1.7 1.8


e tempq
ut = 0.00
units 1.12E-01
min 0.00E+00
max 1.80E-01
vm = 4.00E-05
x axis
z axis
32., 0.,-23.
-25., 0., 23.
y axis
-25., 23.,-23.
0.2 0.3 0.5 0.6 0.8 0.9 1.1 1.2 1.4 1.5 1.7 1.8

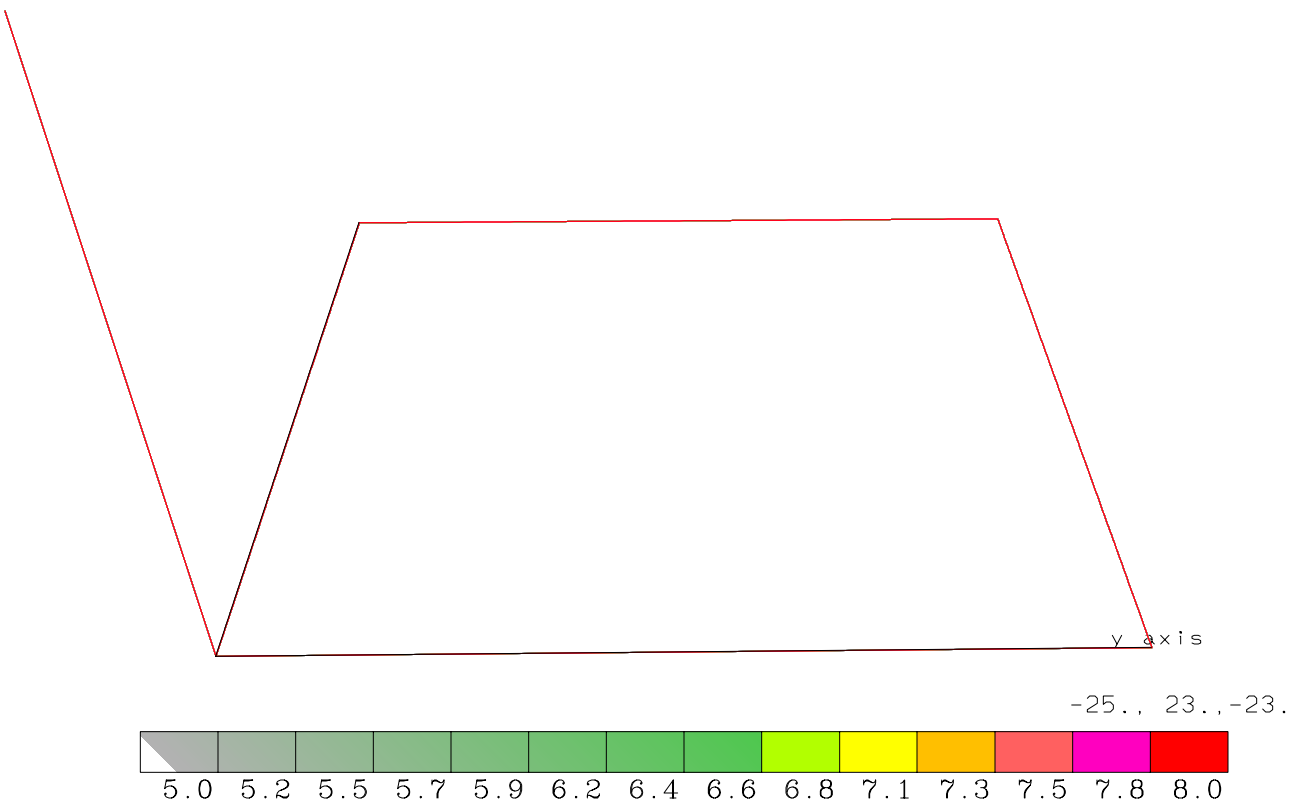
q den vh ut = 0.00

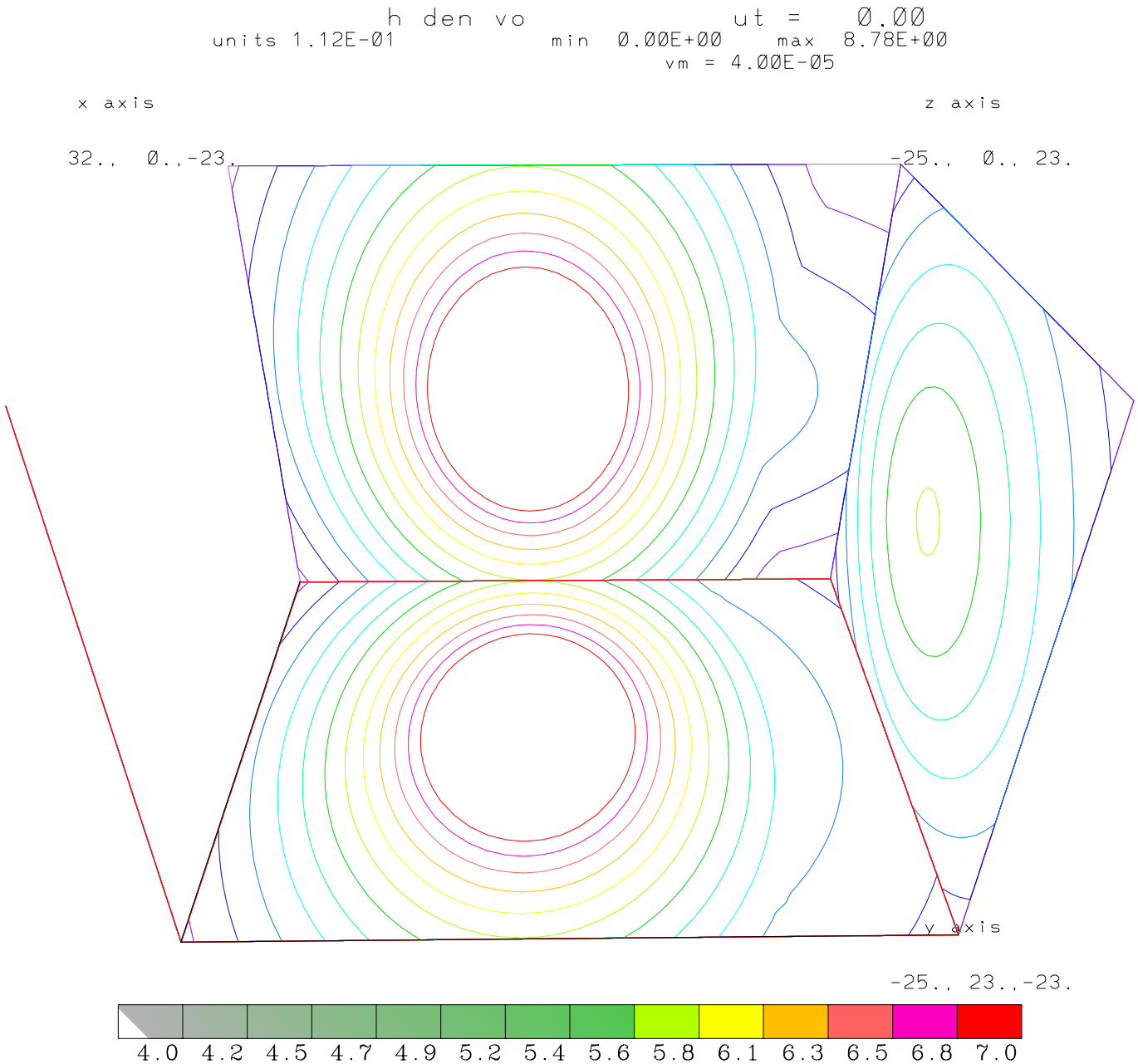
units 1.12E-01 min 0.00E+00 max 4.00E+00

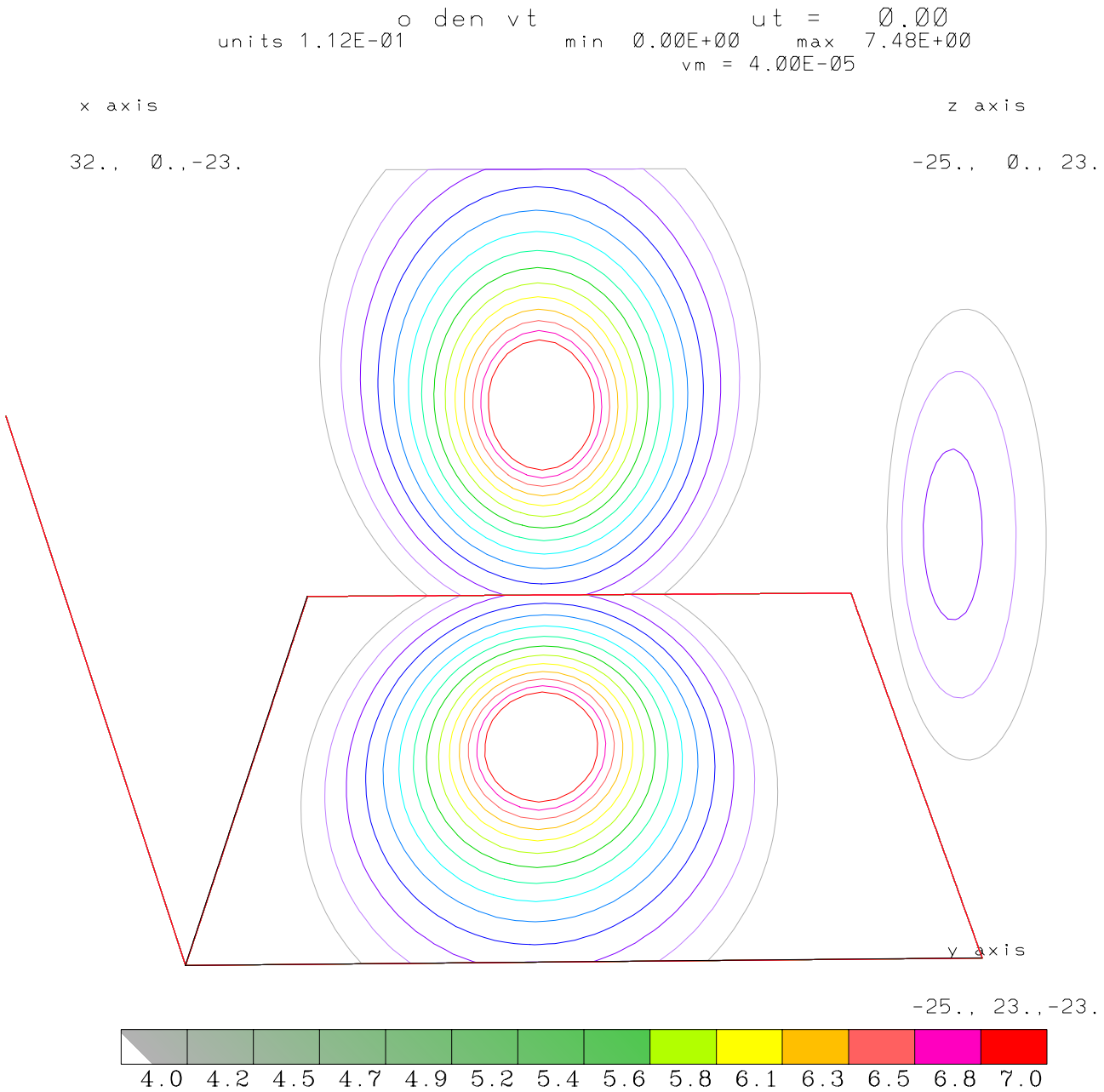
vm = 4.00E-05

x axis z axis

32., 0.,-23. -25., 0., 23.




h den vo ut = 0.00
units 1.12E-01 min 0.00E+00 max 8.78E+00
vm = 4.00E-05
x axis
z axis
32., 0.,-23.
-25., 0., 23.
y axis
-25., 23.,-23.
4.0 4.2 4.5 4.7 4.9 5.2 5.4 5.6 5.8 6.1 6.3 6.5 6.8 7.0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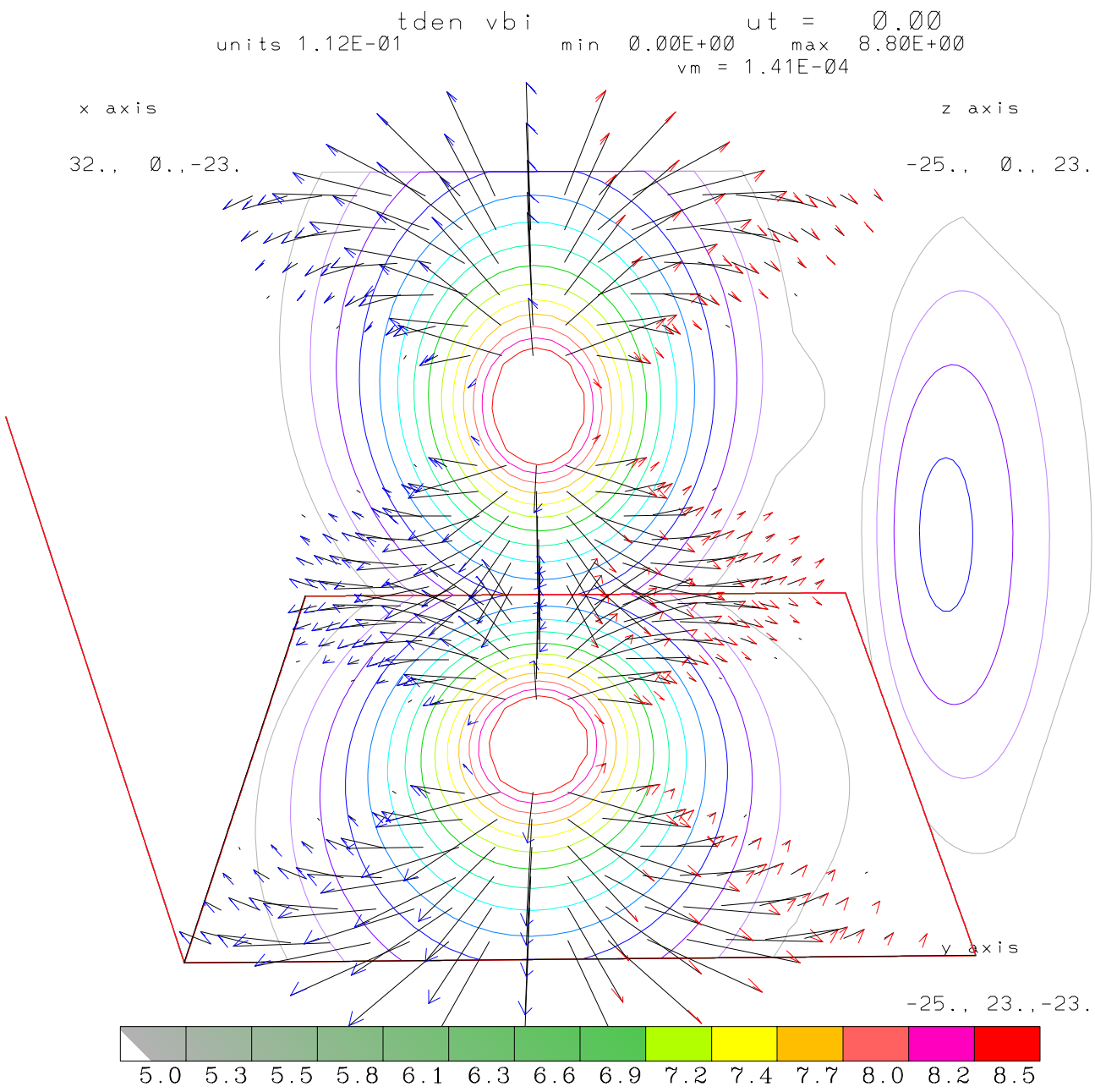
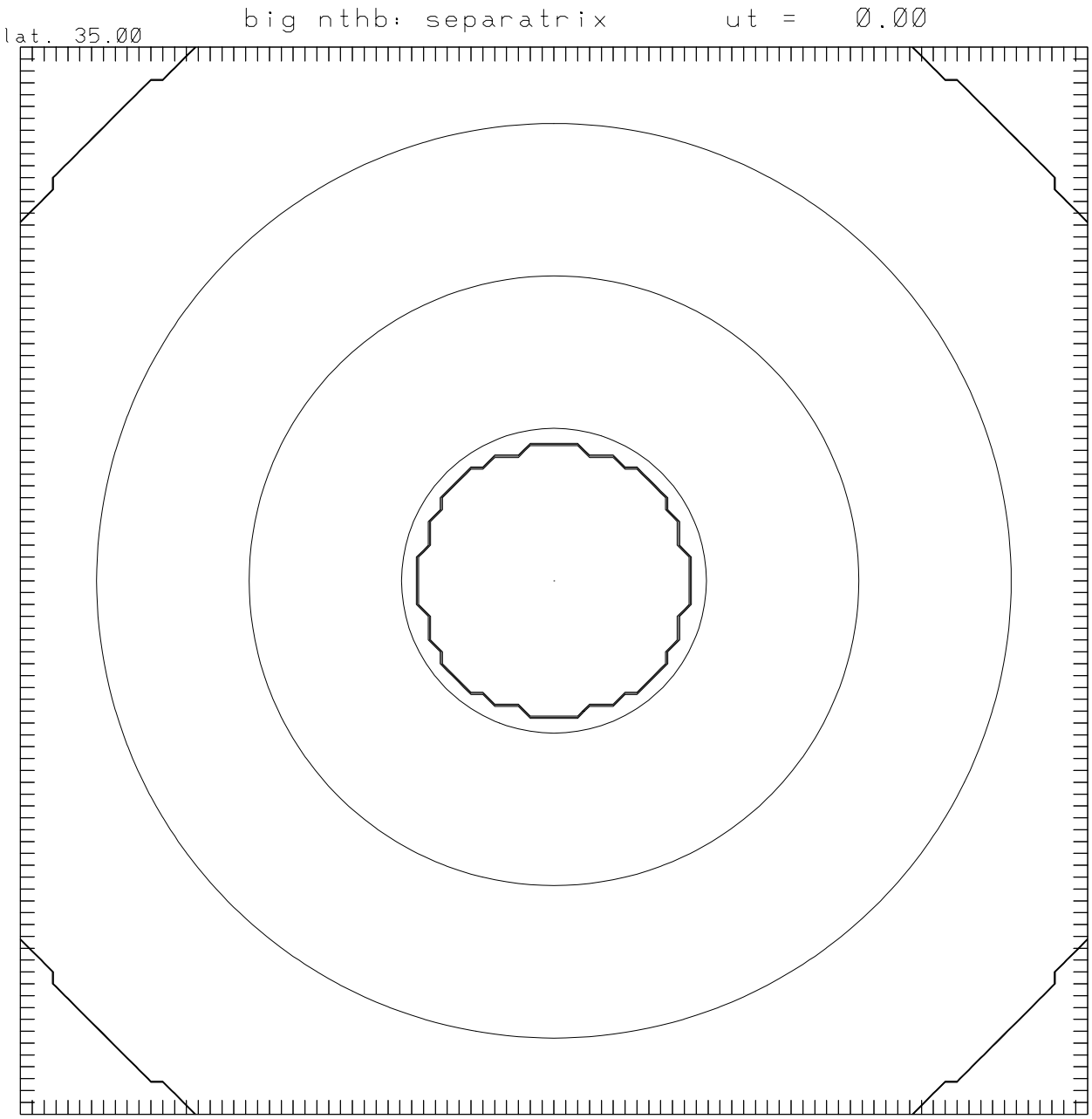
ut = 0.00
units 1.12E-01
min 0.00E+00
max 7.48E+00
vm = 4.00E-05
x axis
z axis
32., 0.,-23.
-25., 0., 23.
y axis
-25., 23.,-23.
4.0 4.2 4.5 4.7 4.9 5.2 5.4 5.6 5.8 6.1 6.3 6.5 6.8 7.0


tden vbi
ut = 0.00
units 1.12E-01
min 0.00E+00
max 8.80E+00
vm = 1.41E-04
x axis
32., 0.,-23.
z axis
-25., 0., 23.
y axis
-25., 23.,-23.
5.0 5.3 5.5 5.8 6.1 6.3 6.6 6.9 7.2 7.4 7.7 8.0 8.2 8.5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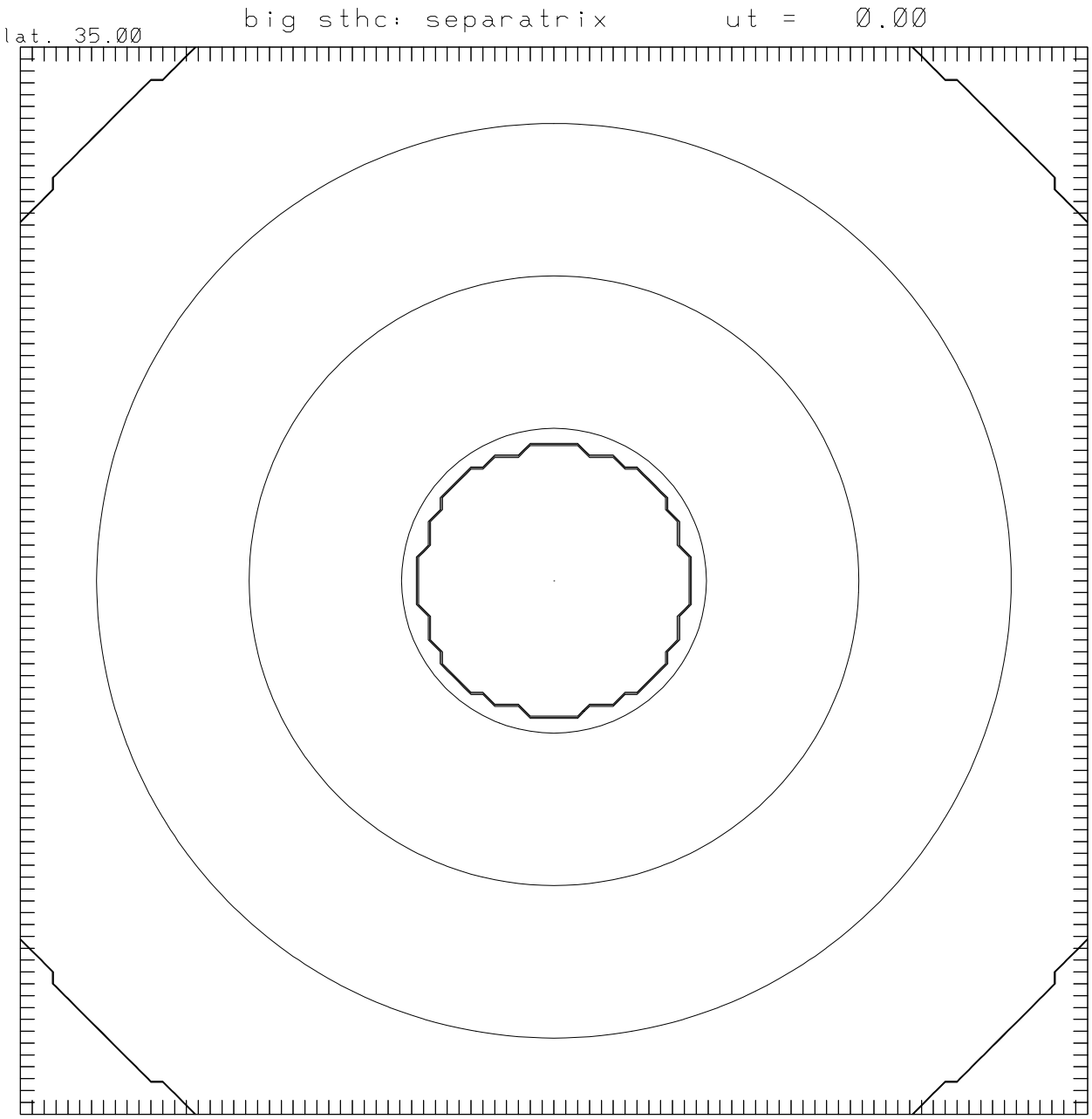
lat. 35.00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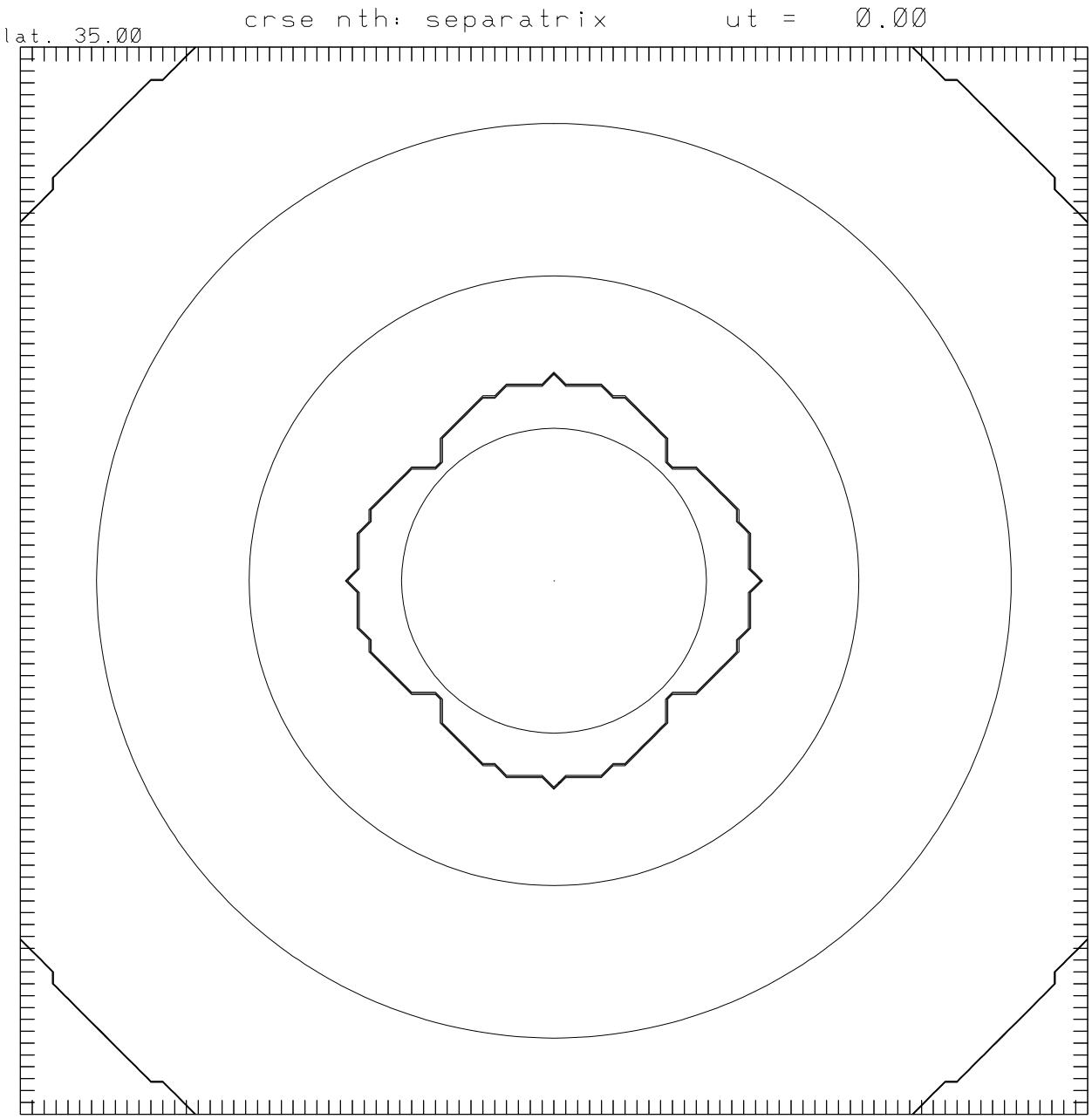
lat. 35.00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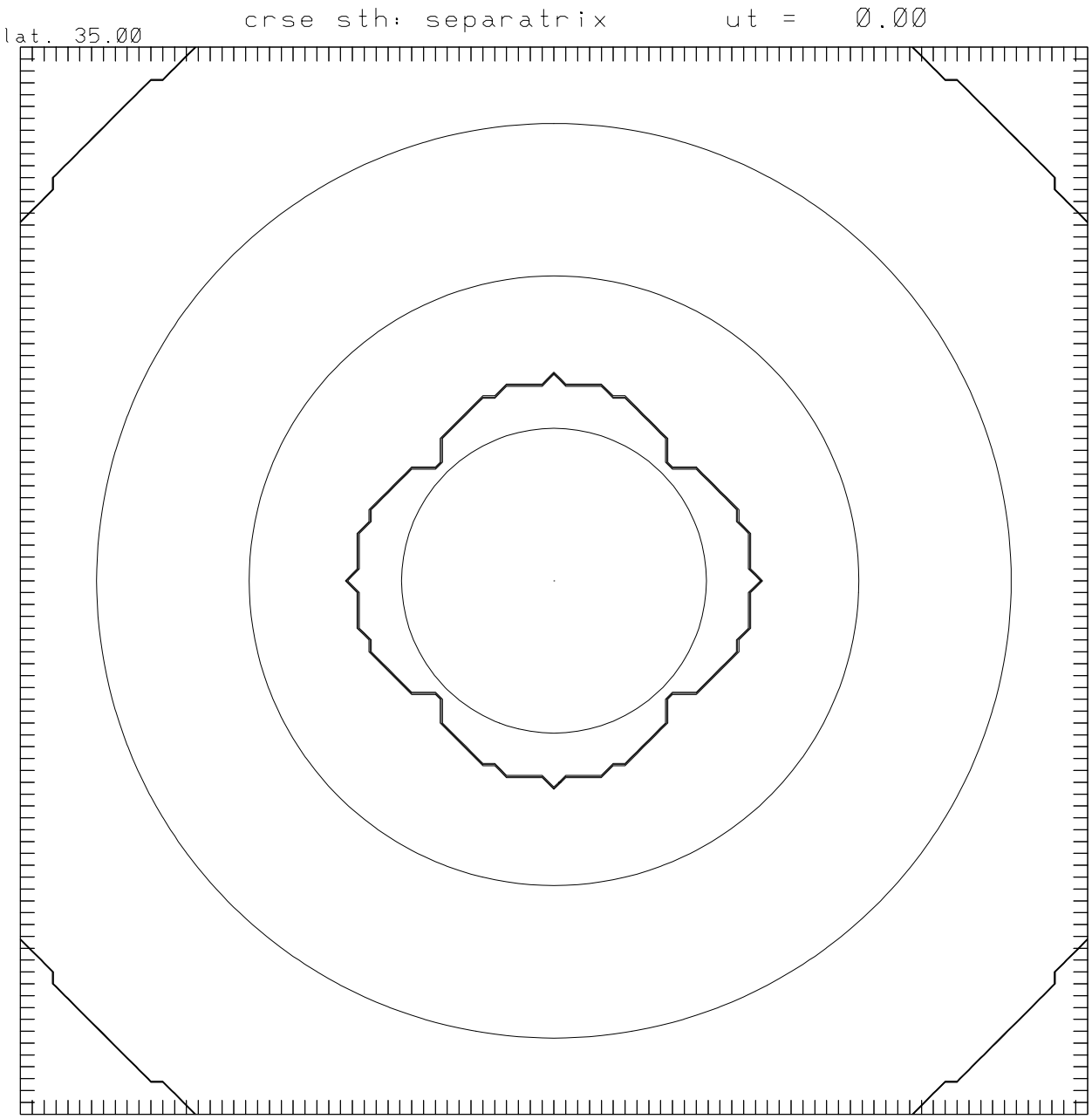
lat. 35.00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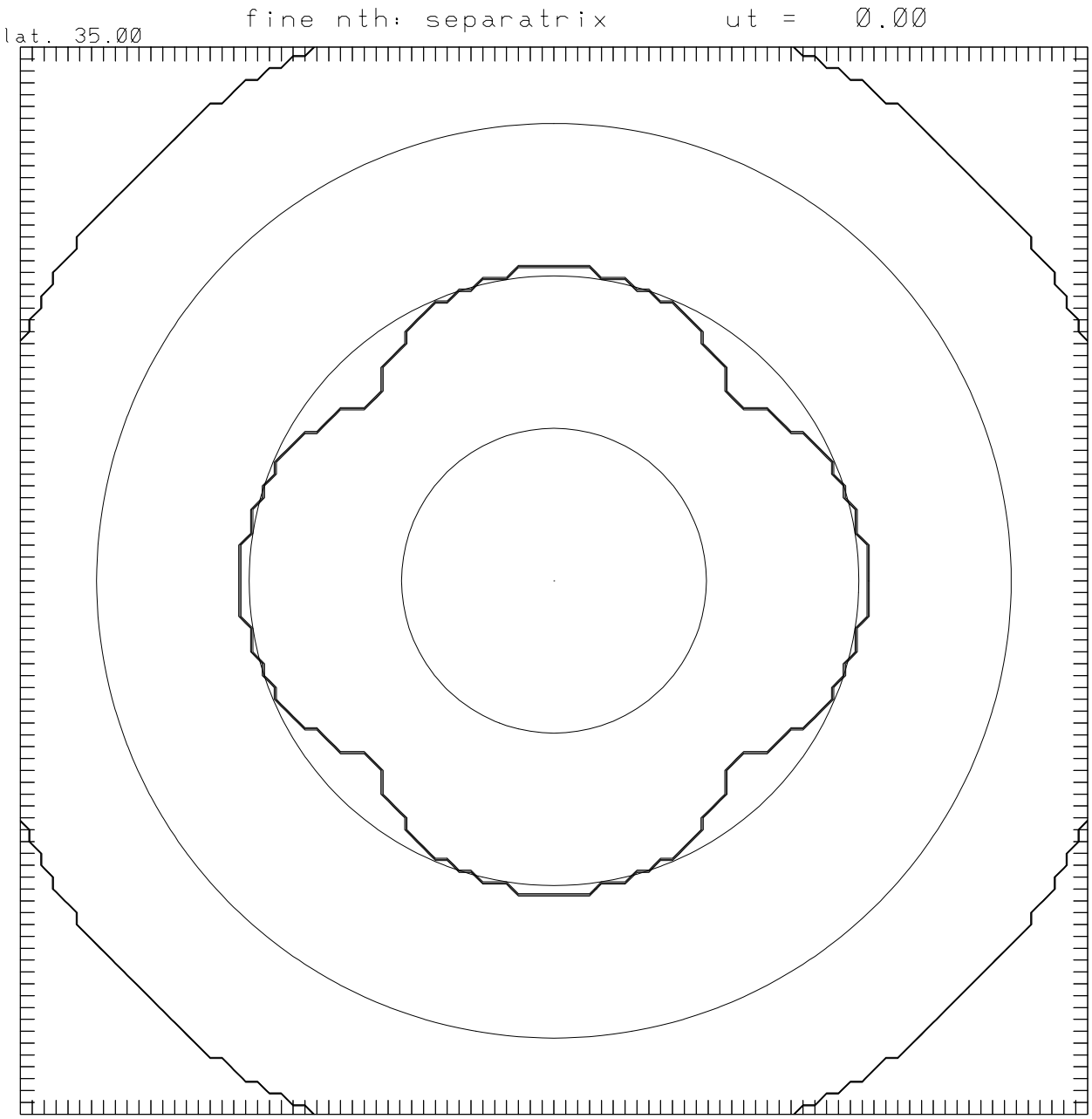
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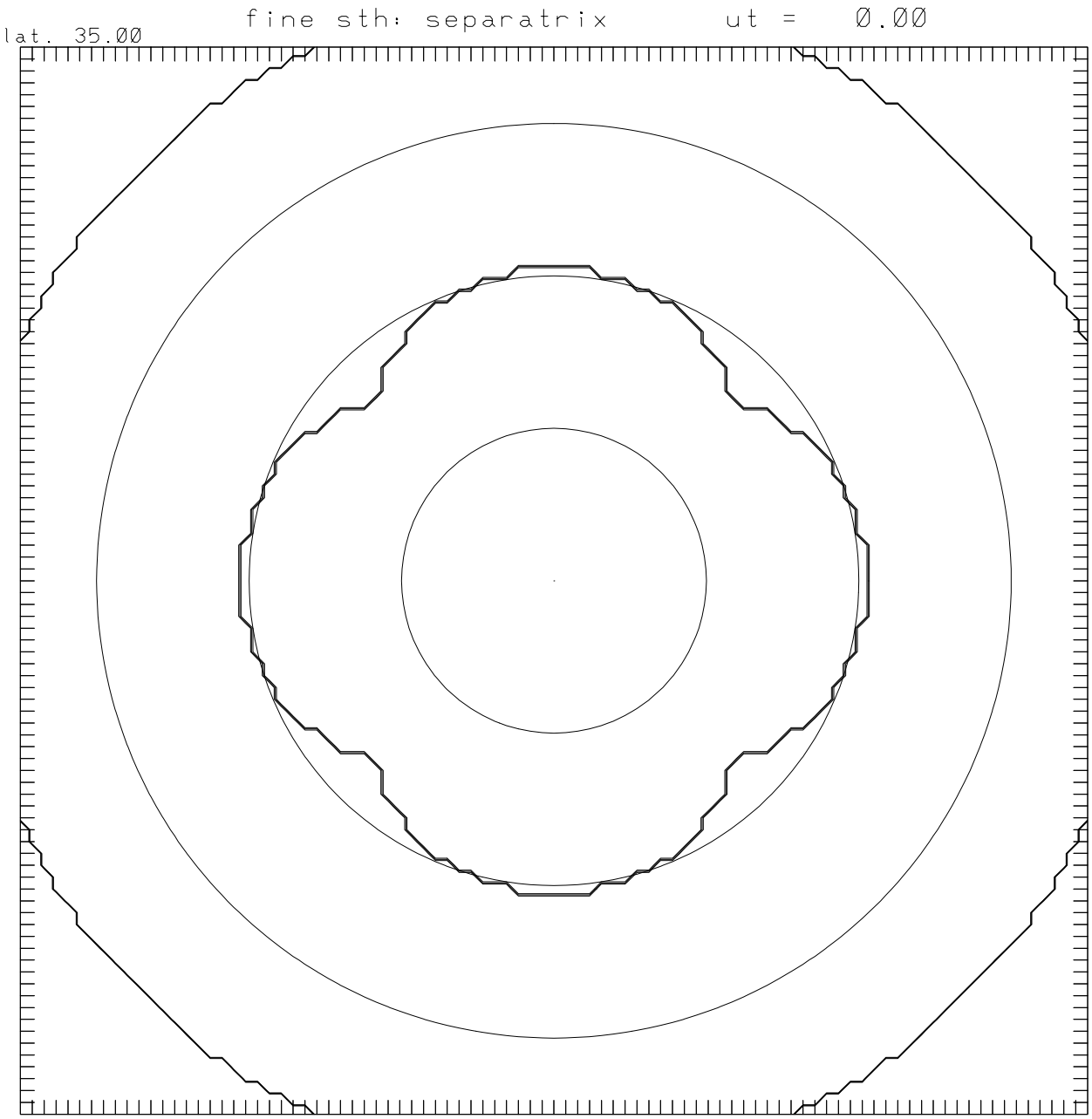
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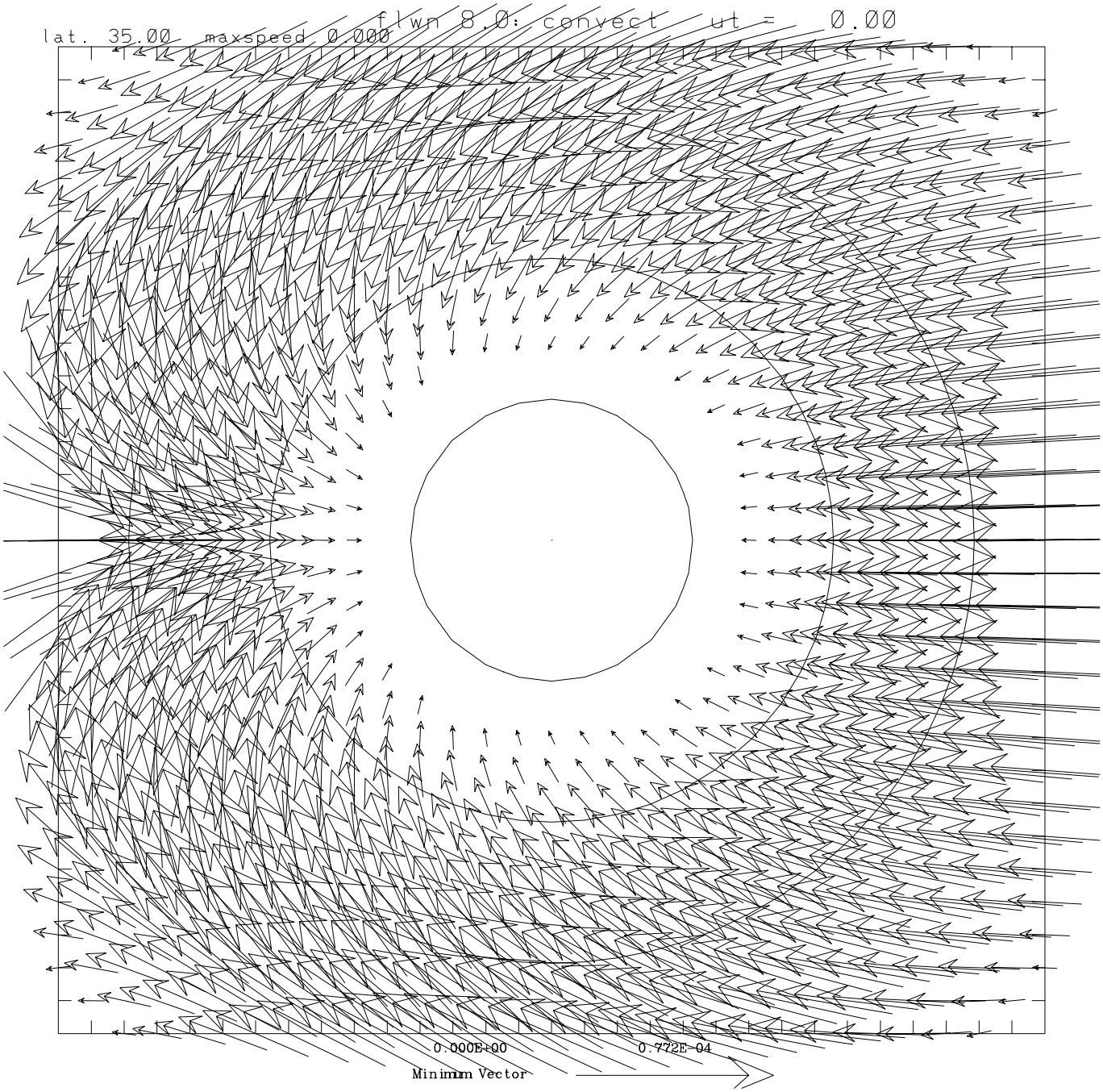
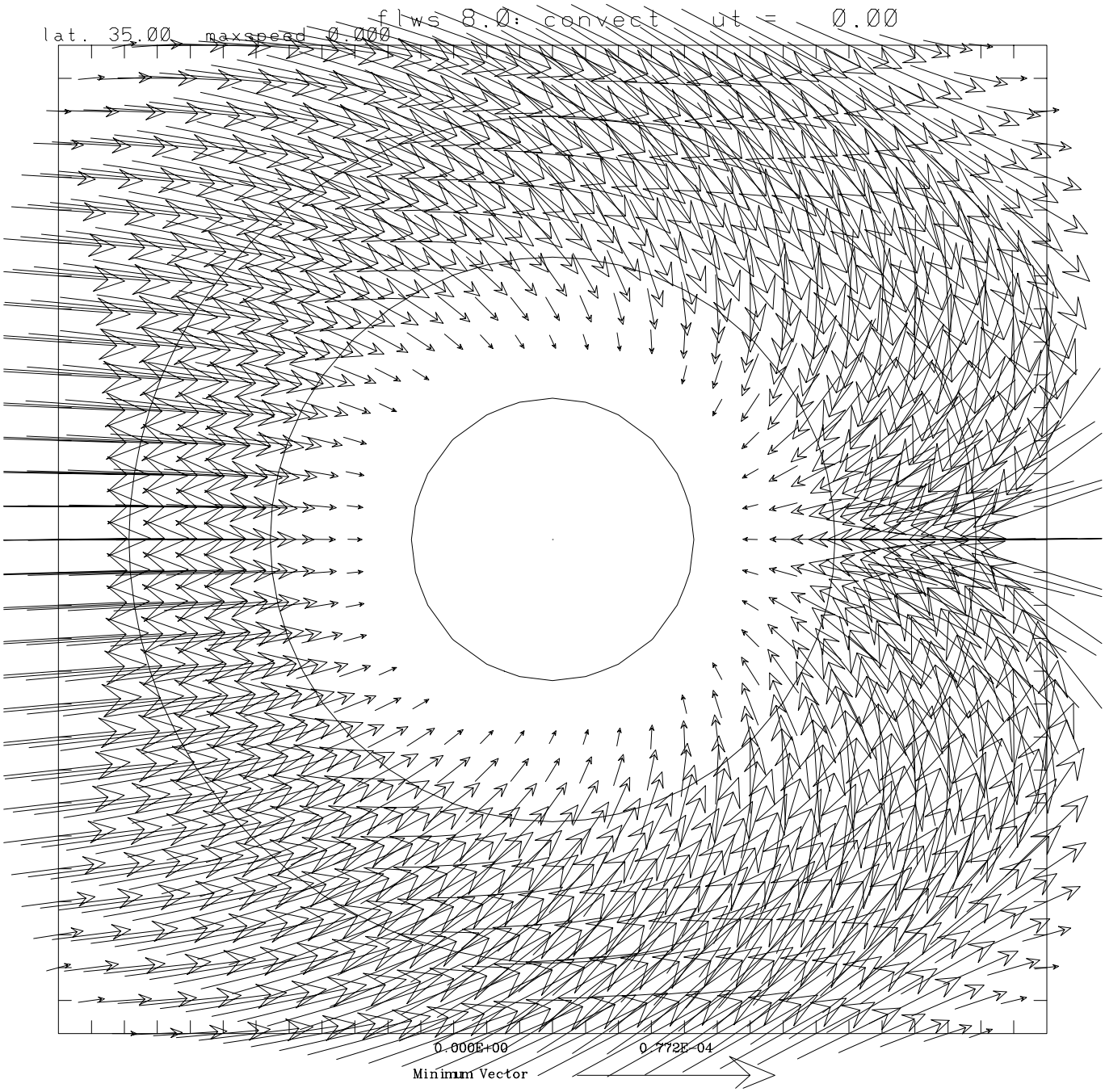
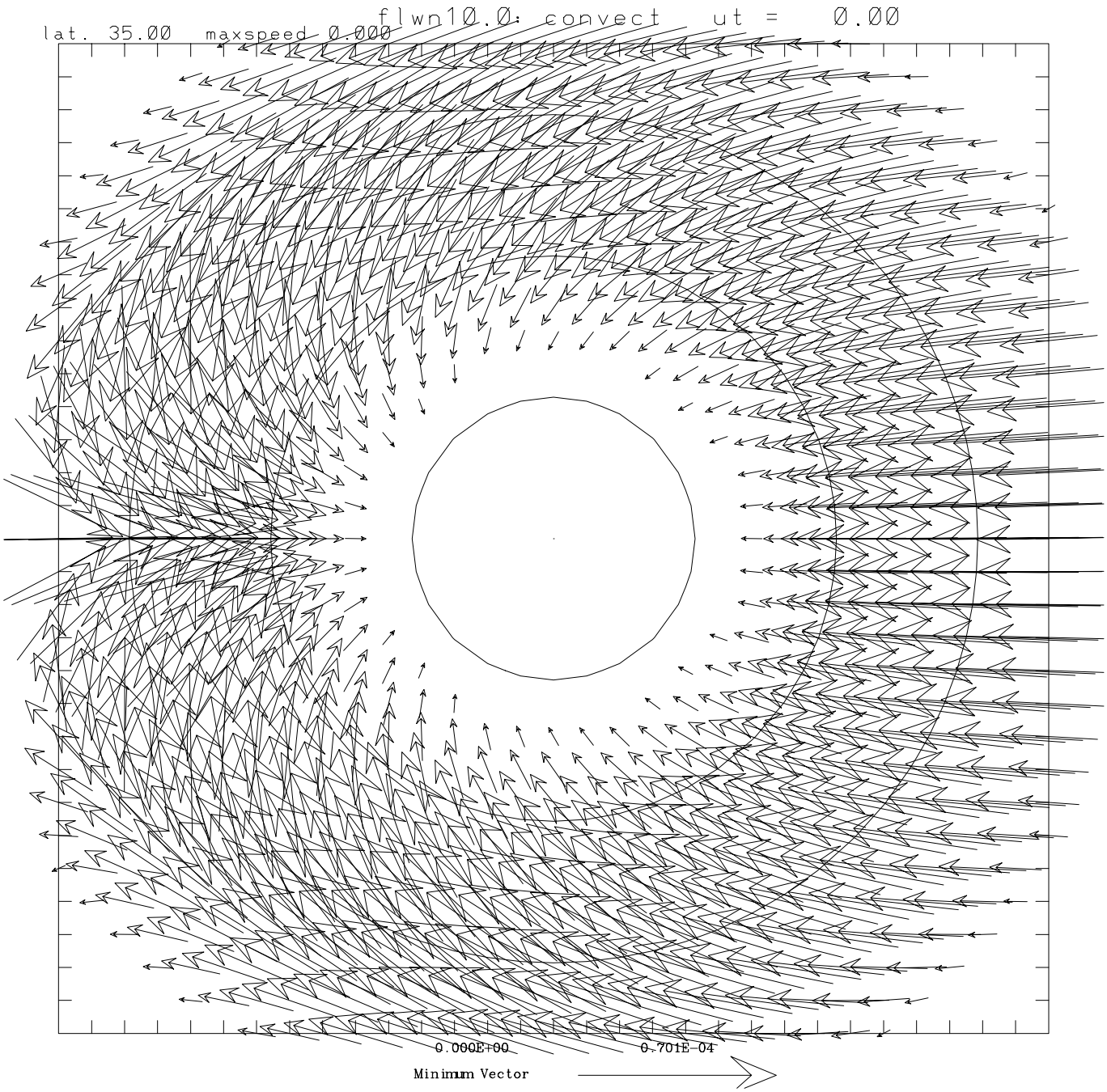

flwn 8.0: convect ut = 0.00
lat. 35.00 maxspeed 0.000
0.000E+00
0.772E-04
Minimum Vector


flws 8.0: convect ut = 0.00
lat. 35.00 maxspeed 0.000
0.000E+00
0.772E-04
Minimum Vector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lat. 35.00 maxspeed 0.000
0.000E+00
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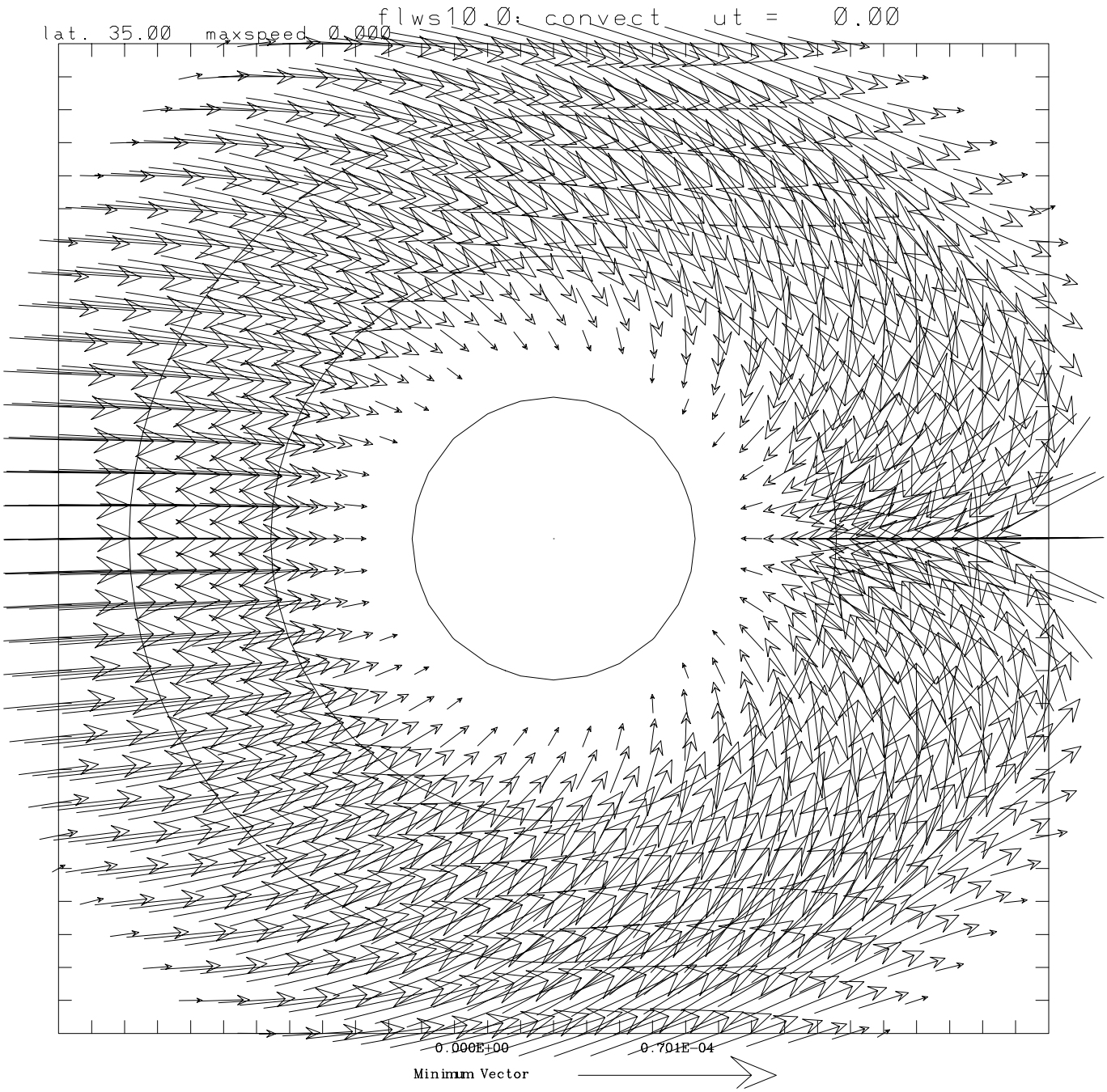
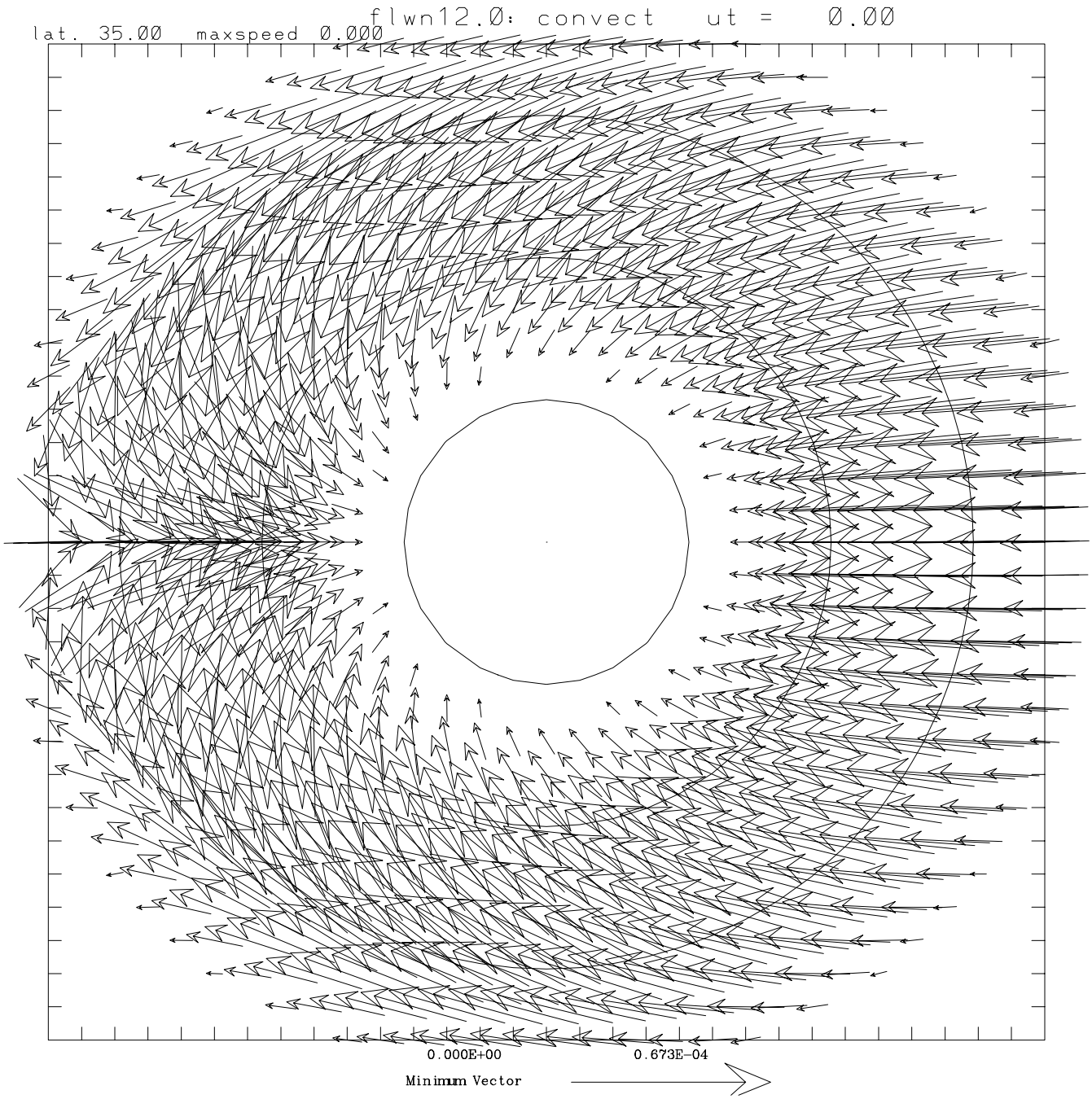
Minimum Vector


flws10.0: convect ut = 0.00
lat. 35.00 maxspeed 0.000
0.000E+00
0.701E-04
Minimum Vector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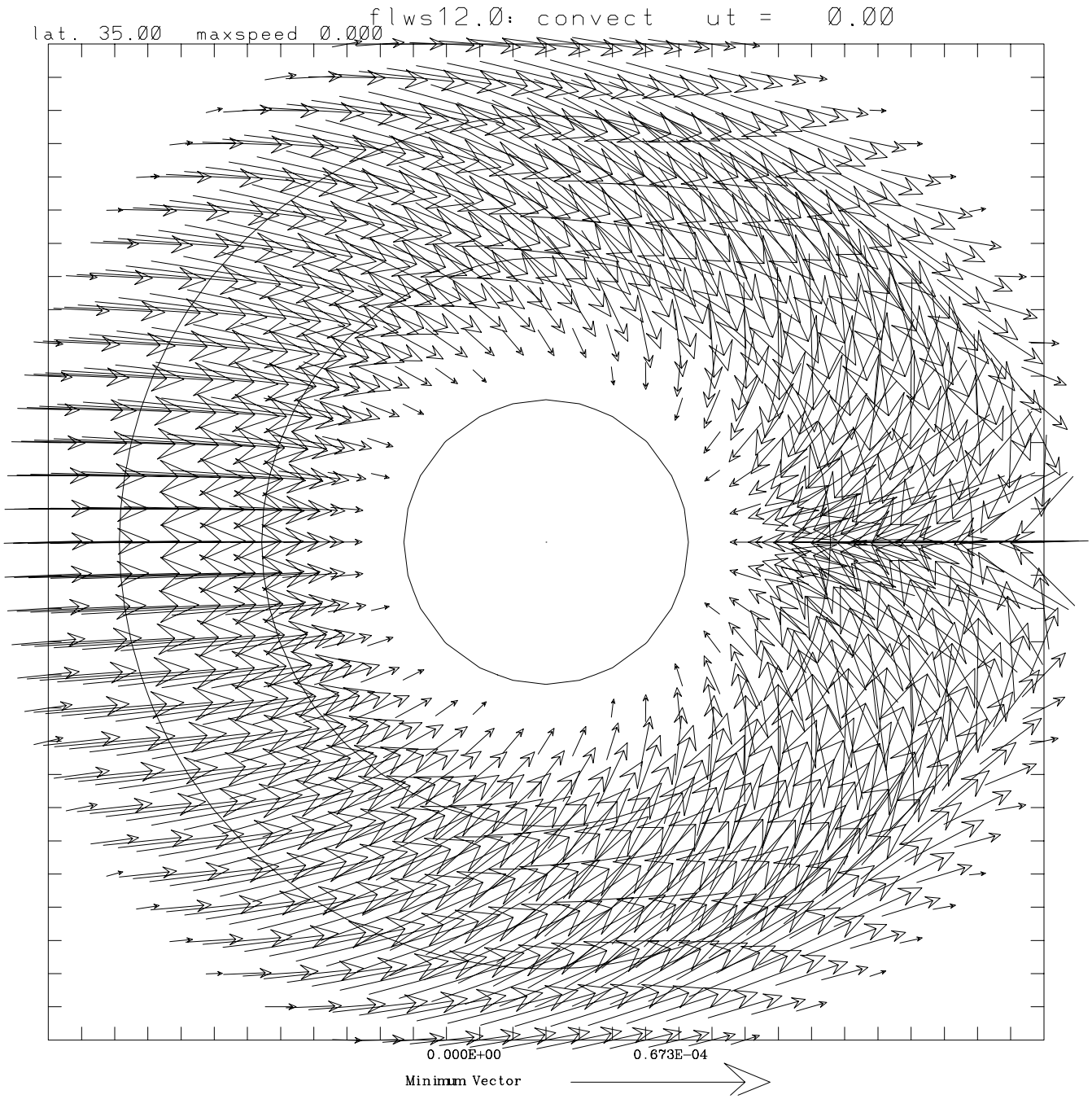
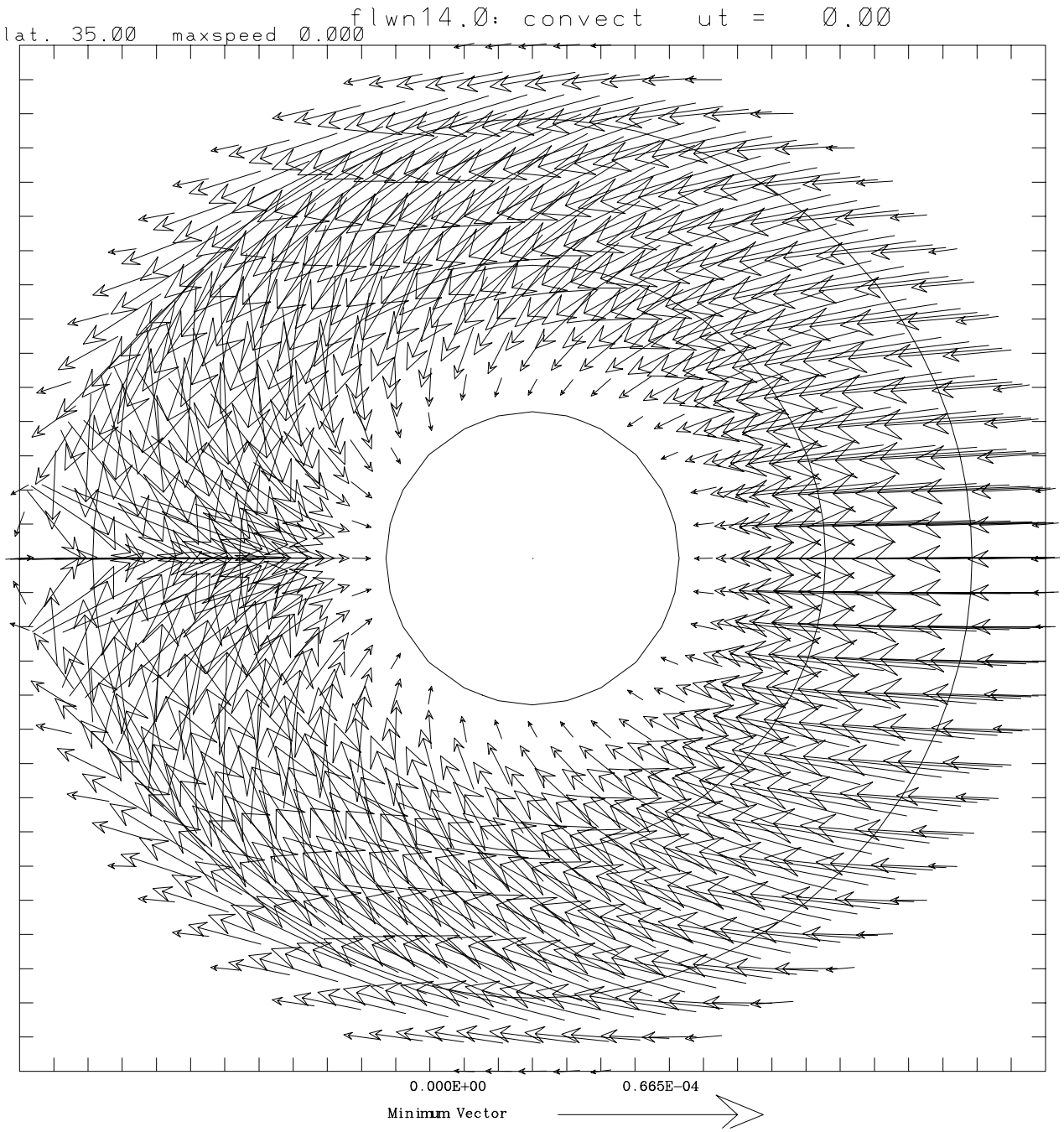
lat. 35.00 maxspeed 0.000
0.000E+00
0.673E-04
Minimum Vector


flws12.0: convect ut = 0.00
lat. 35.00 maxspeed 0.000
0.000E+00
0.673E-04
Minimum Vector


flwn14.0: convect ut = 0.00
lat. 35.00 maxspeed 0.000
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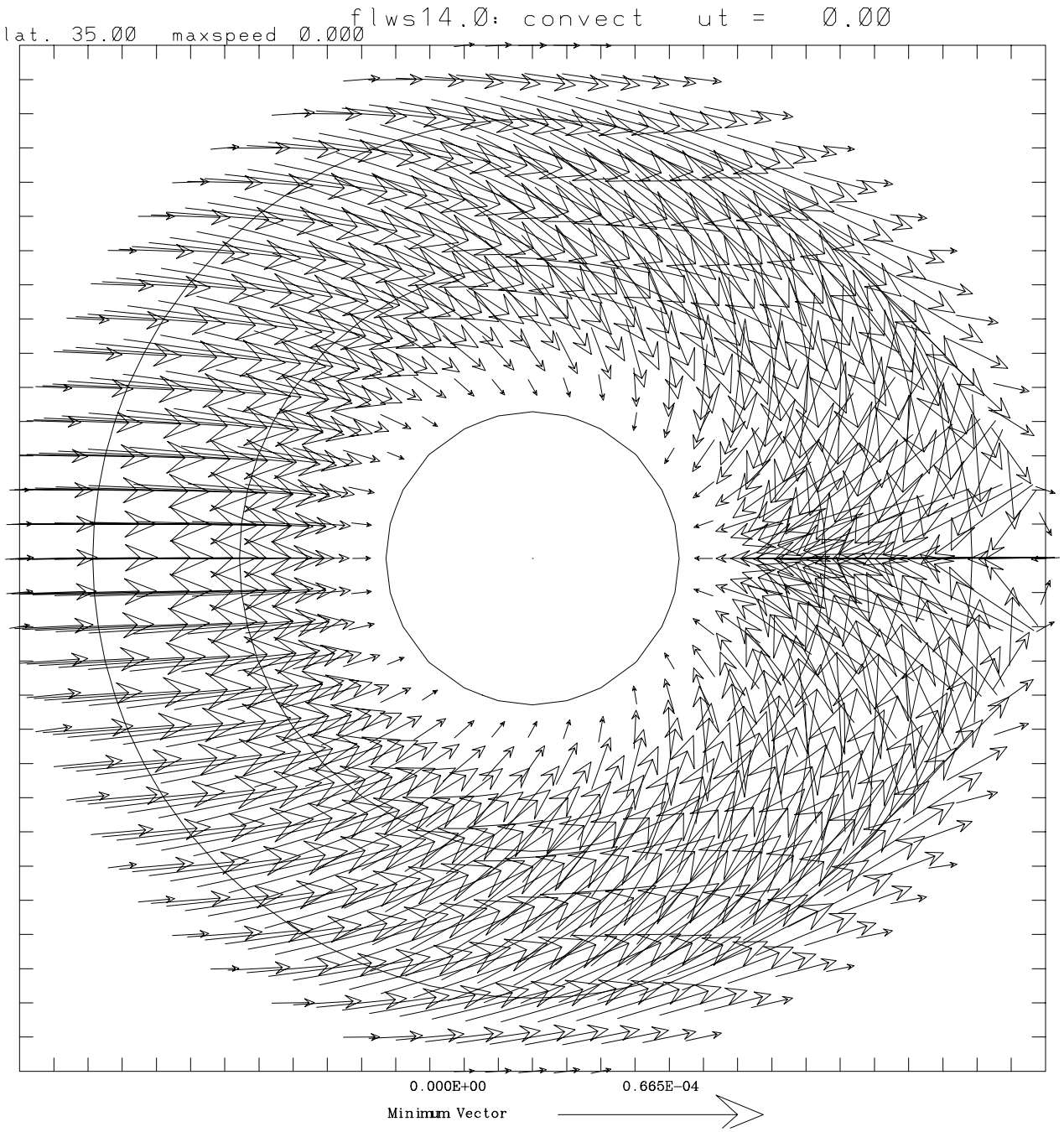
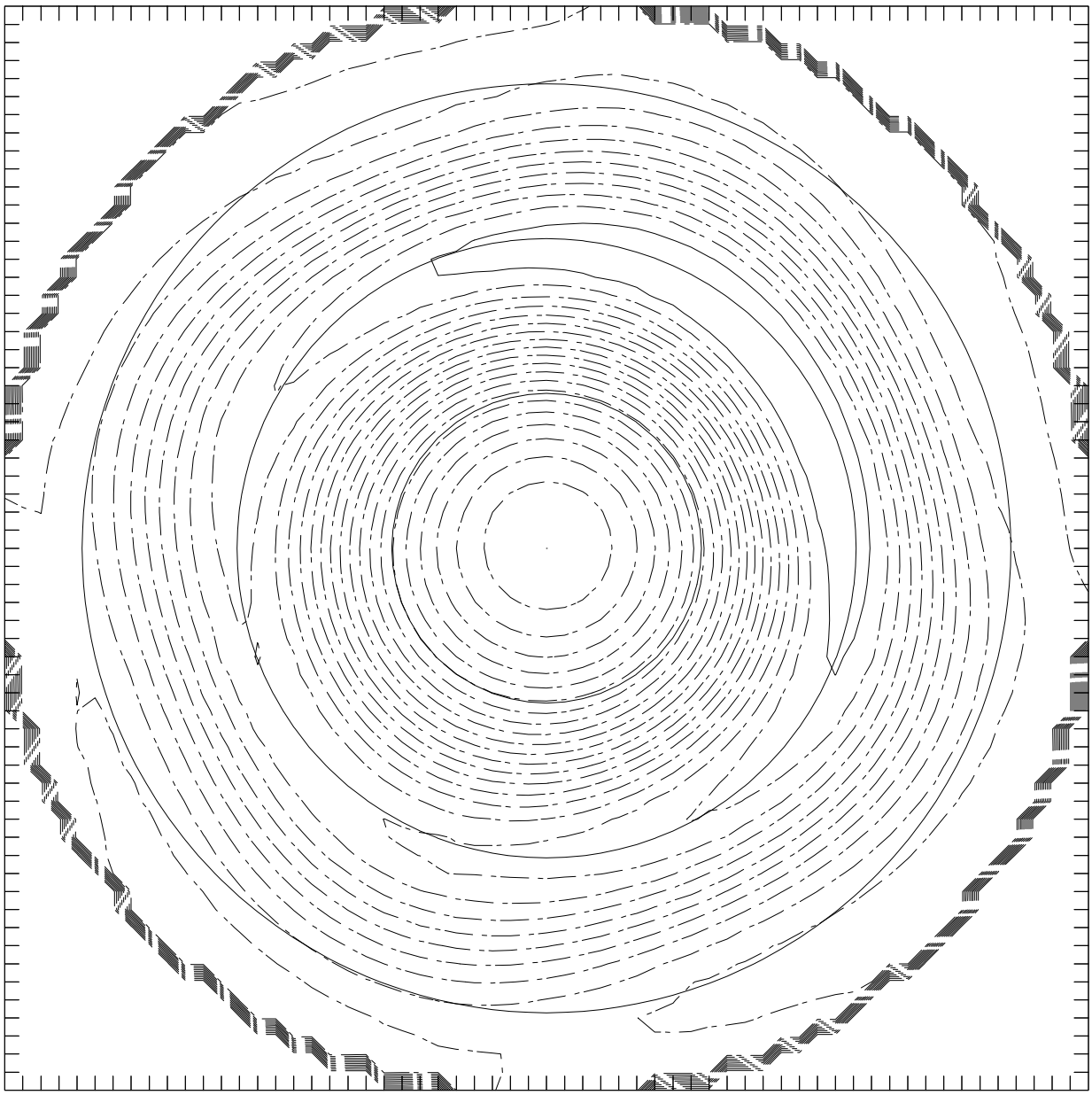
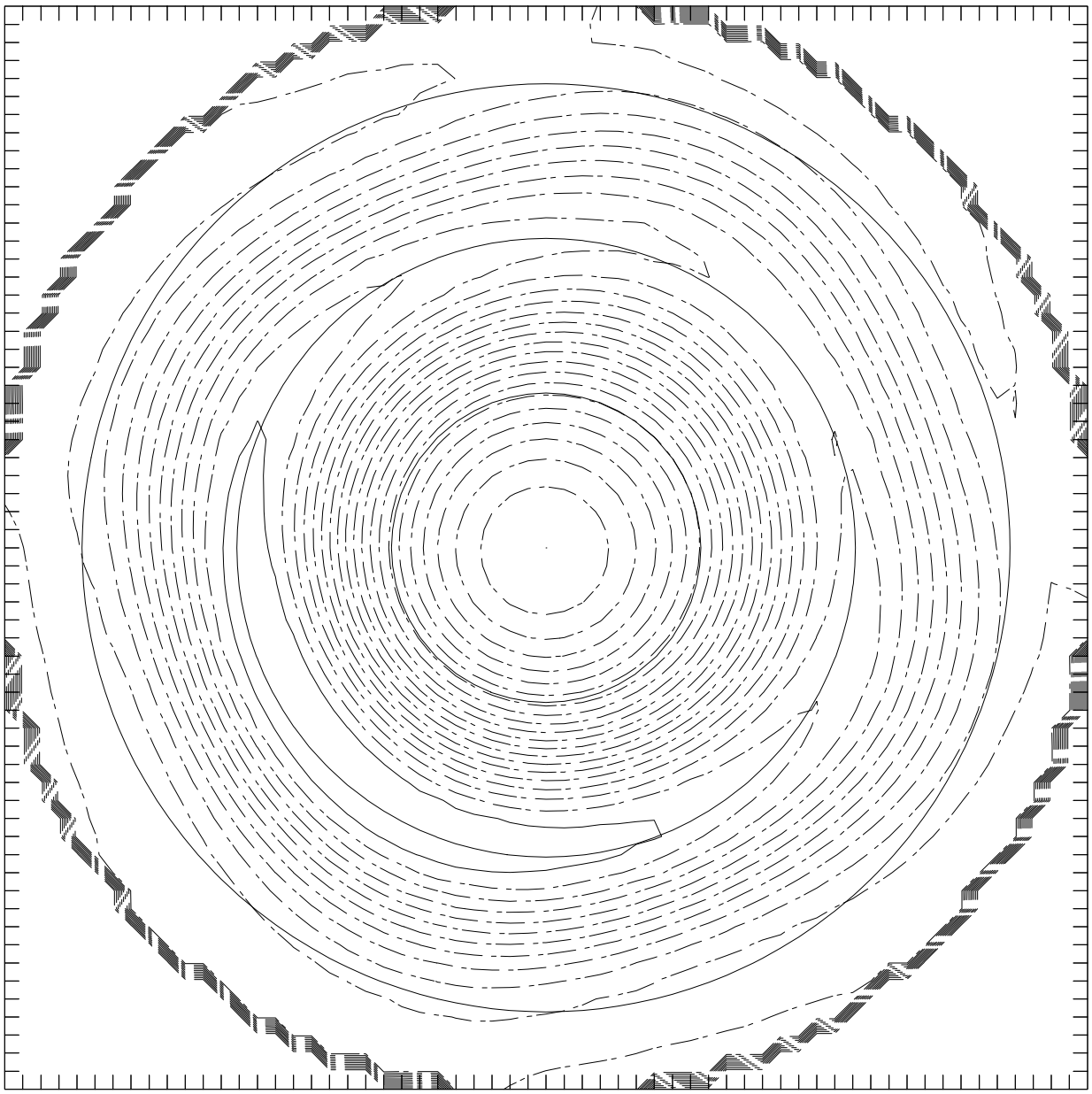
Minimum Vector


flws14.0: convect ut = 0.00
lat. 35.00 maxspeed 0.000
0.000E+00
0.665E-04
Minimum Vector

min 0.00 fmax 0.00 nth cap pot ut = 0.00



min 0.00 fmax 0.00 sth cap pot ut = 0.00

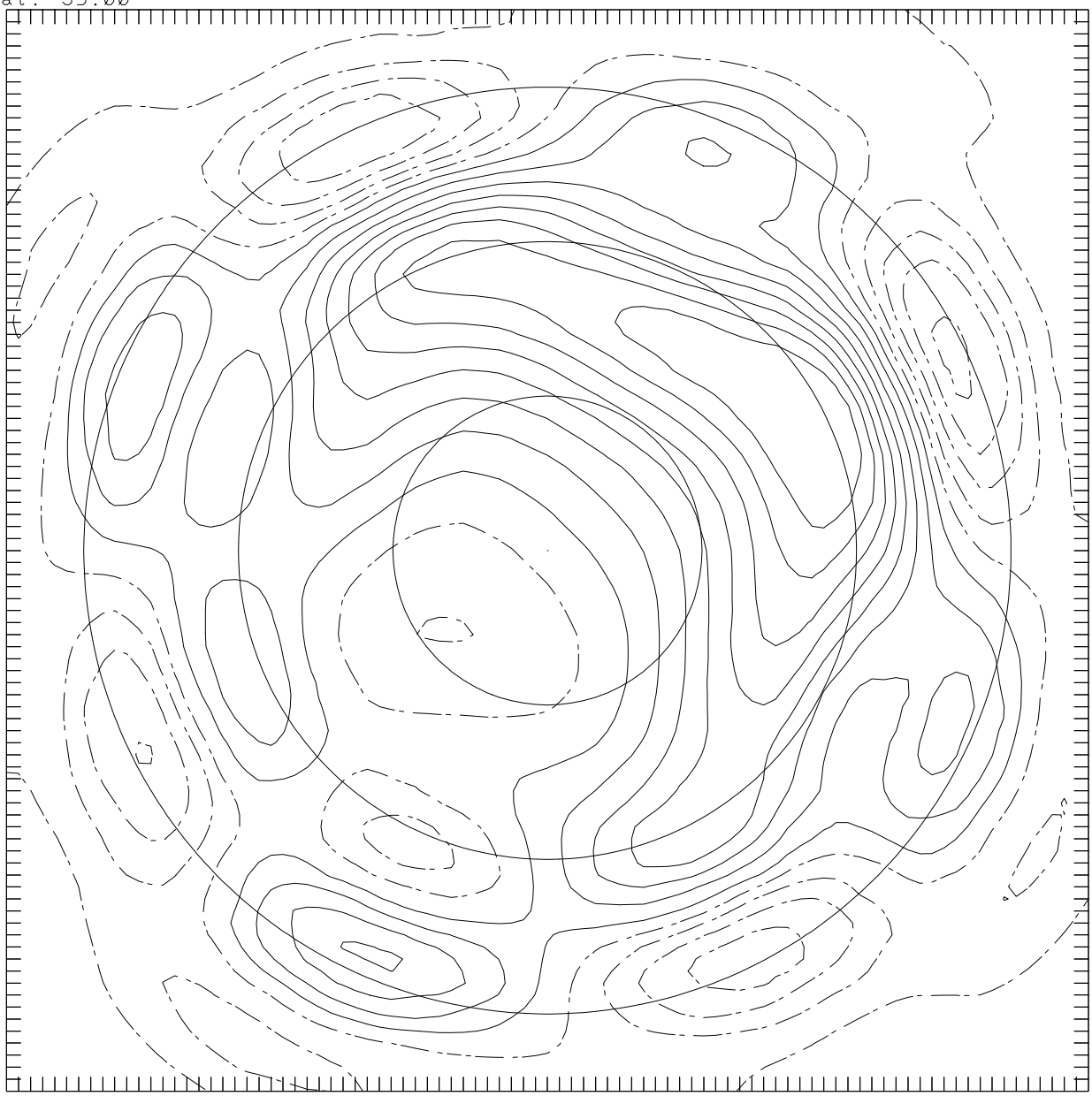


min 0.0000 fmax 0.0000
lat. 35.00

cur4 nth: aurora ut = 0.00

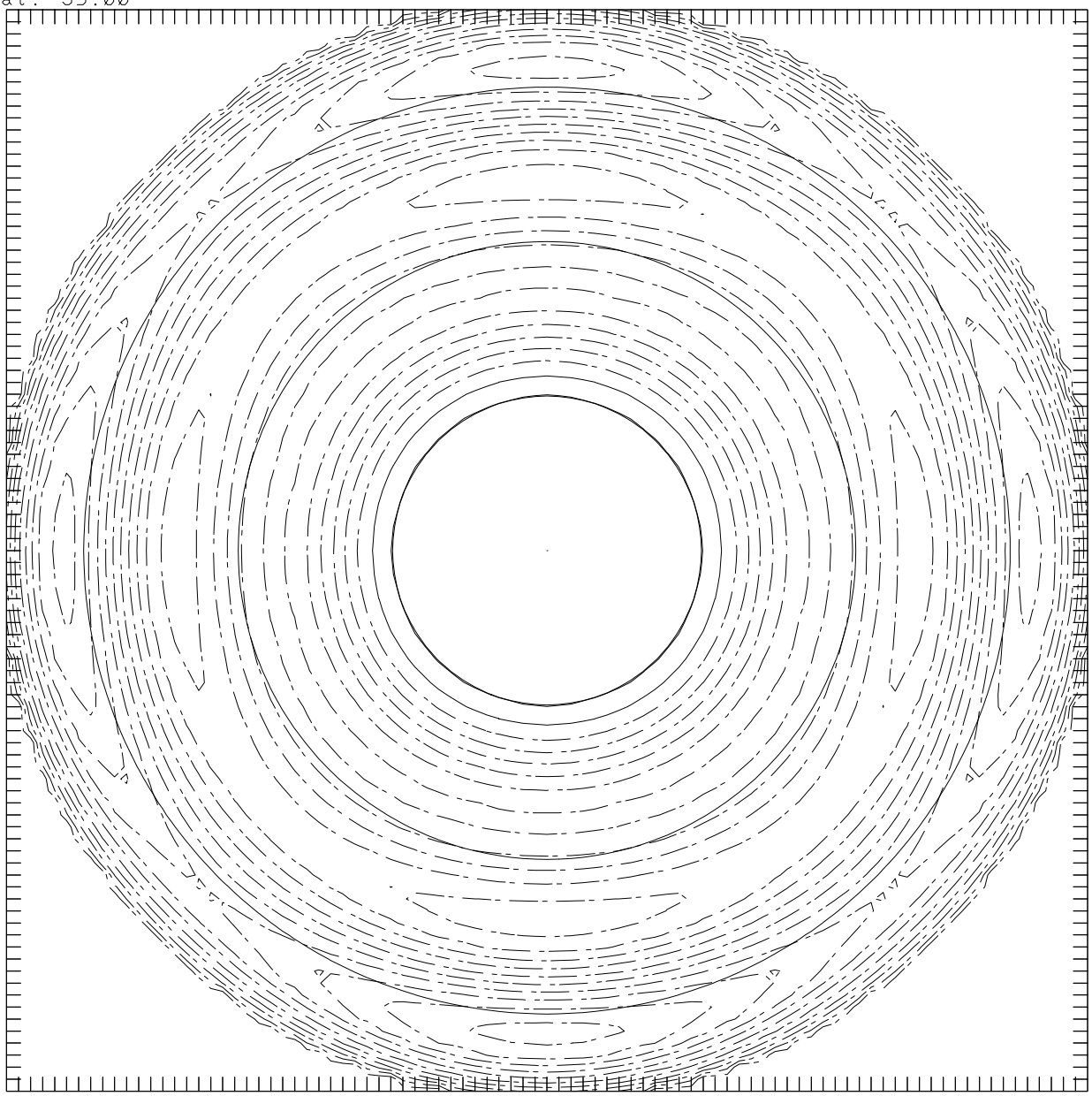
min 0.0000 fmax 0.0000
lat. 35.00

cur4 sth: aurora ut = 0.00



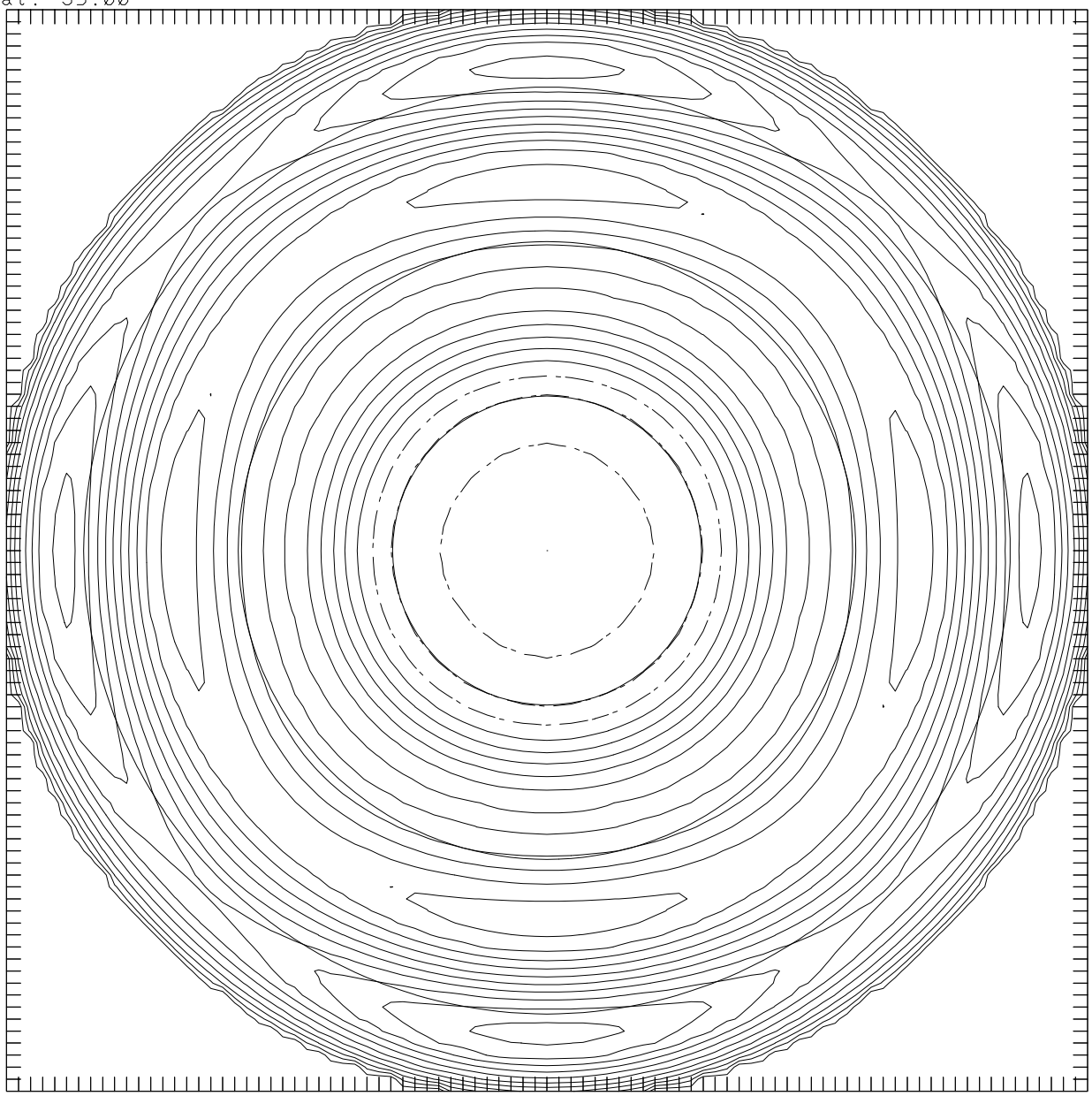
min 0.0000 fmax 0.0000
lat. 35.00

qfluxnth: aurora ut = 0.00



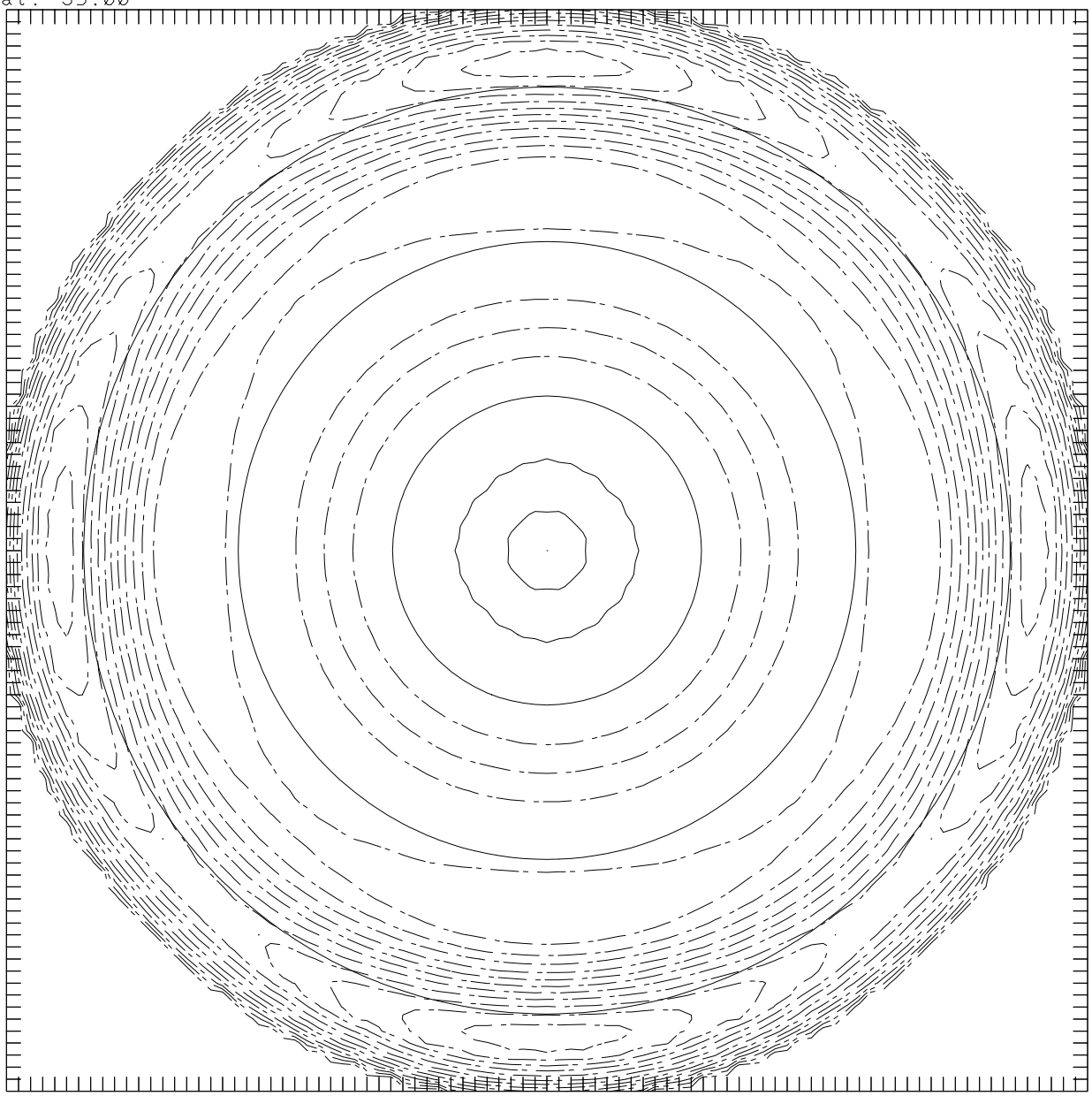
min 0.0000 fmax 0.0000
lat. 35.00

qfluxsth: aurora ut = 0.00



min 0.0000 fmax 0.0000
lat. 35.00

hfluxnth: aurora ut = 0.00



min 0.0000 fmax 0.0000
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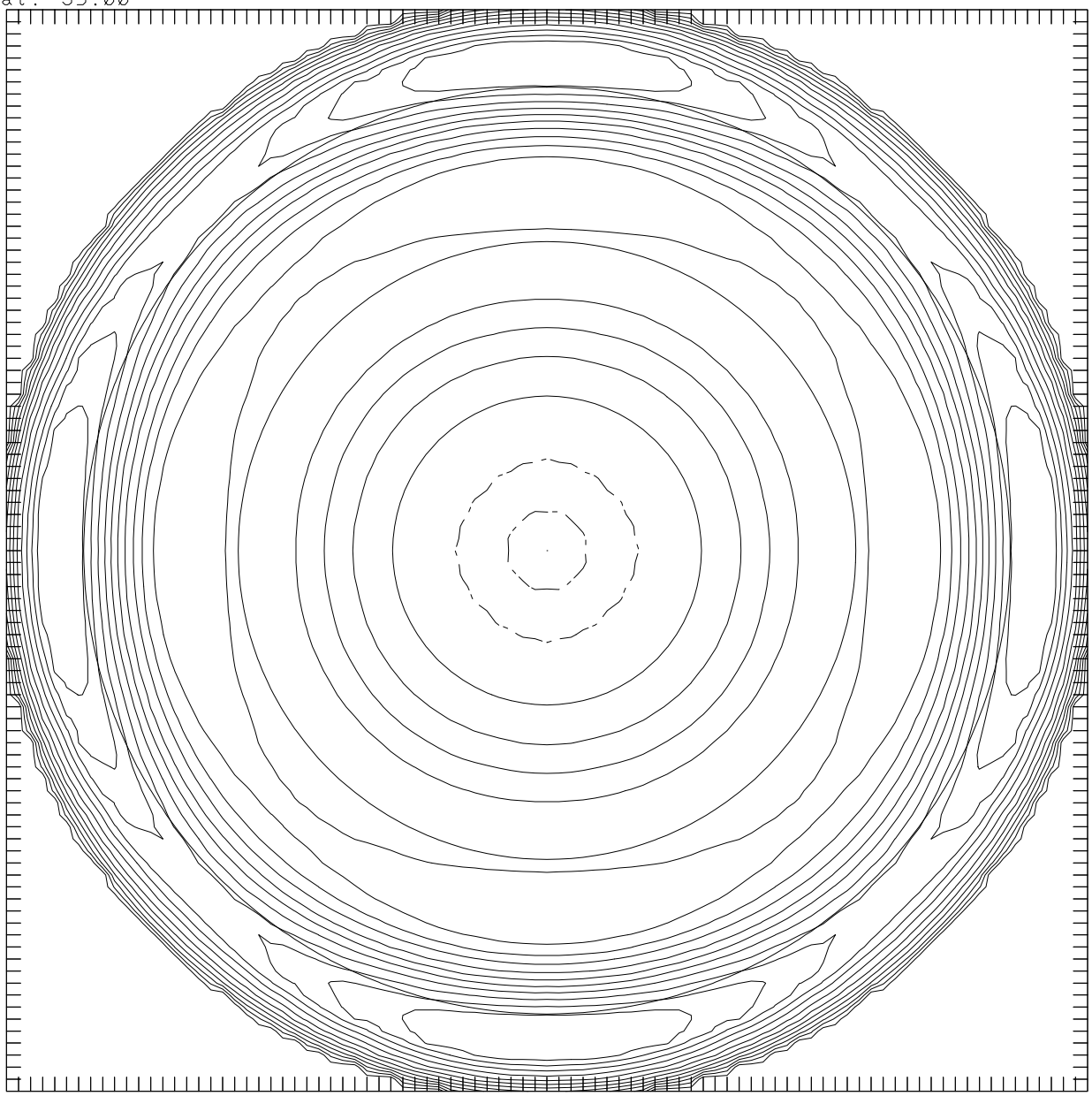
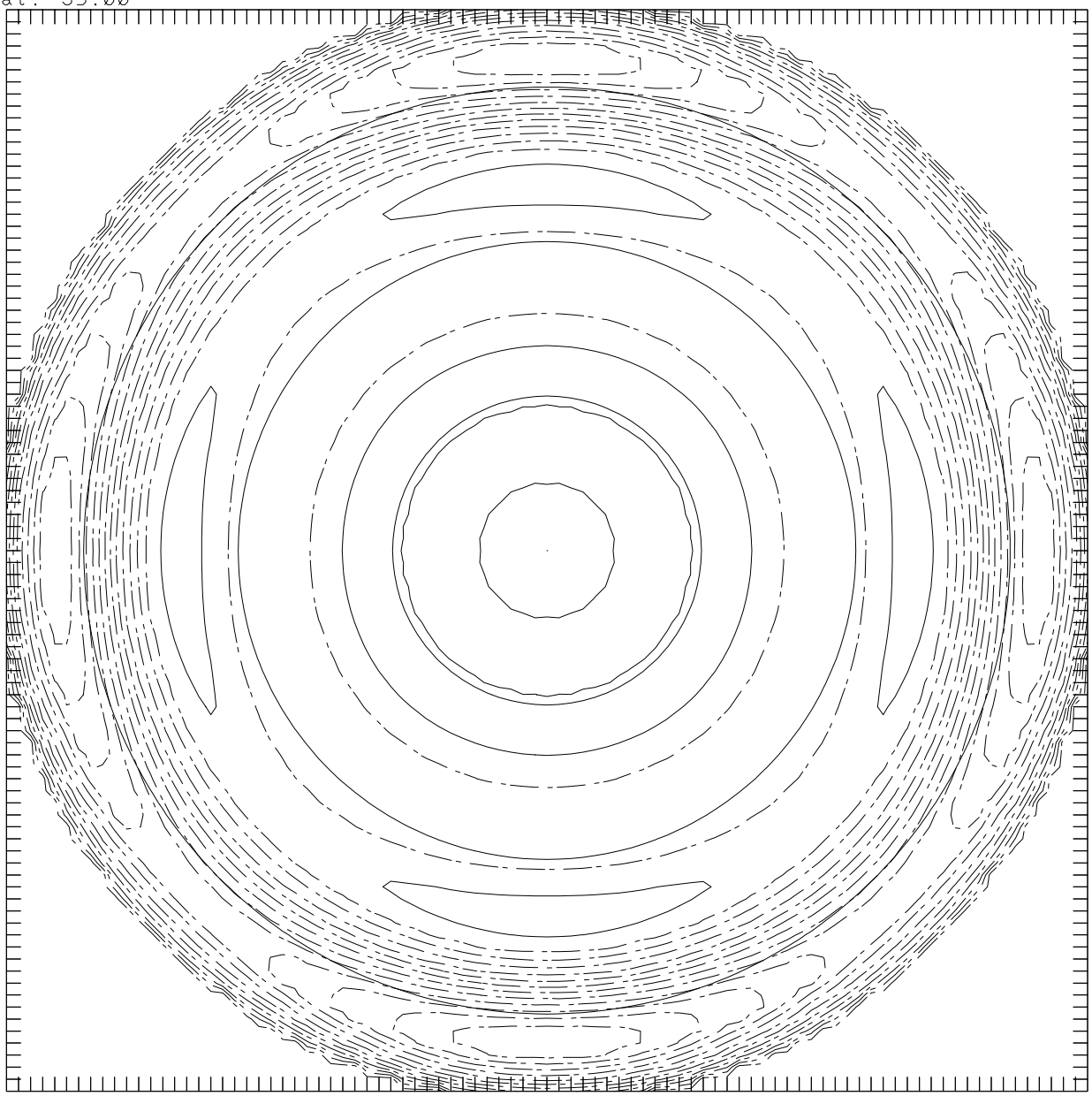
hfluxsth: aurora ut = 0.00



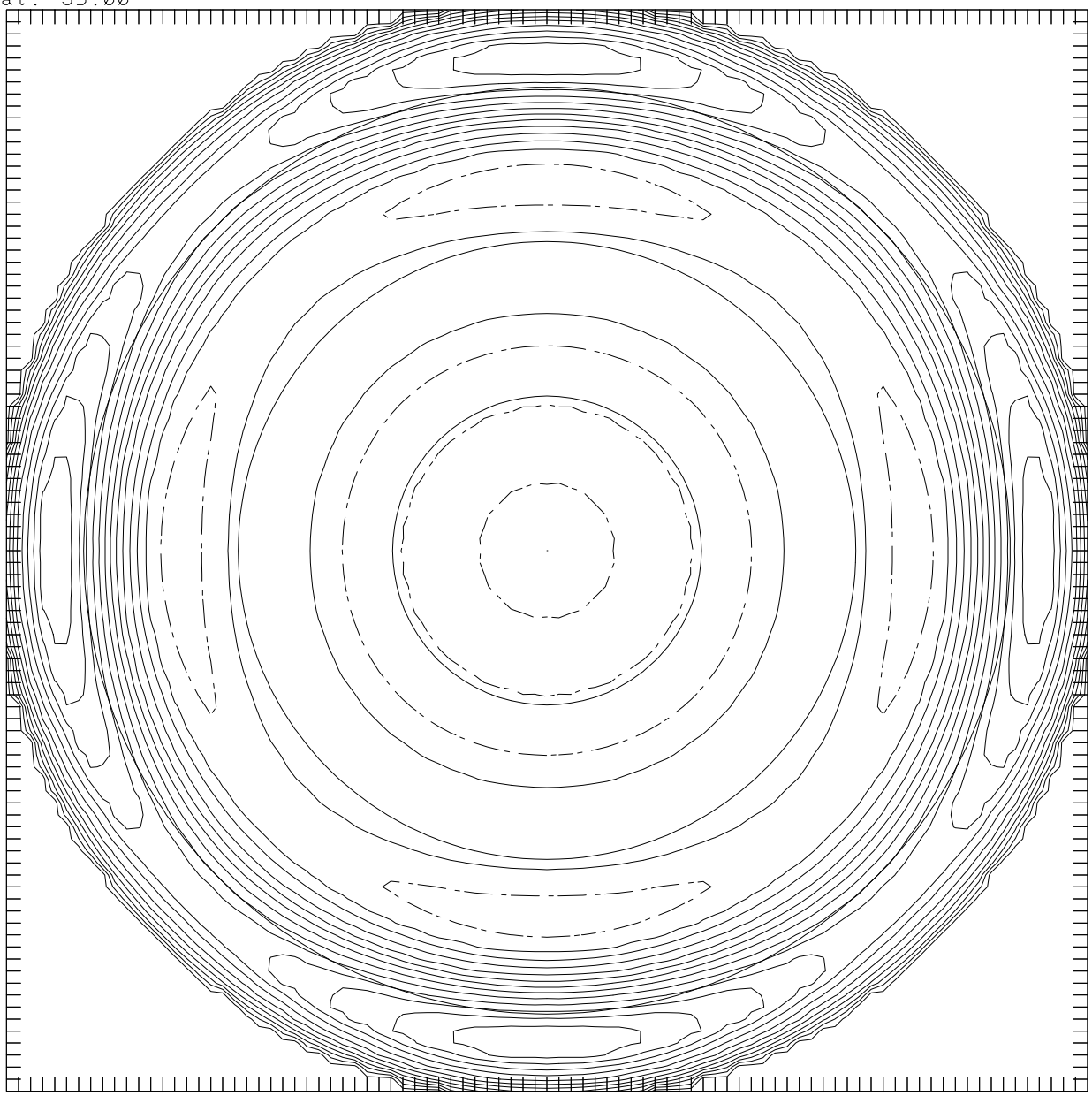
min 0.0000 fmax 0.0000
lat. 35.00

ofluxnth: aurora ut = 0.00



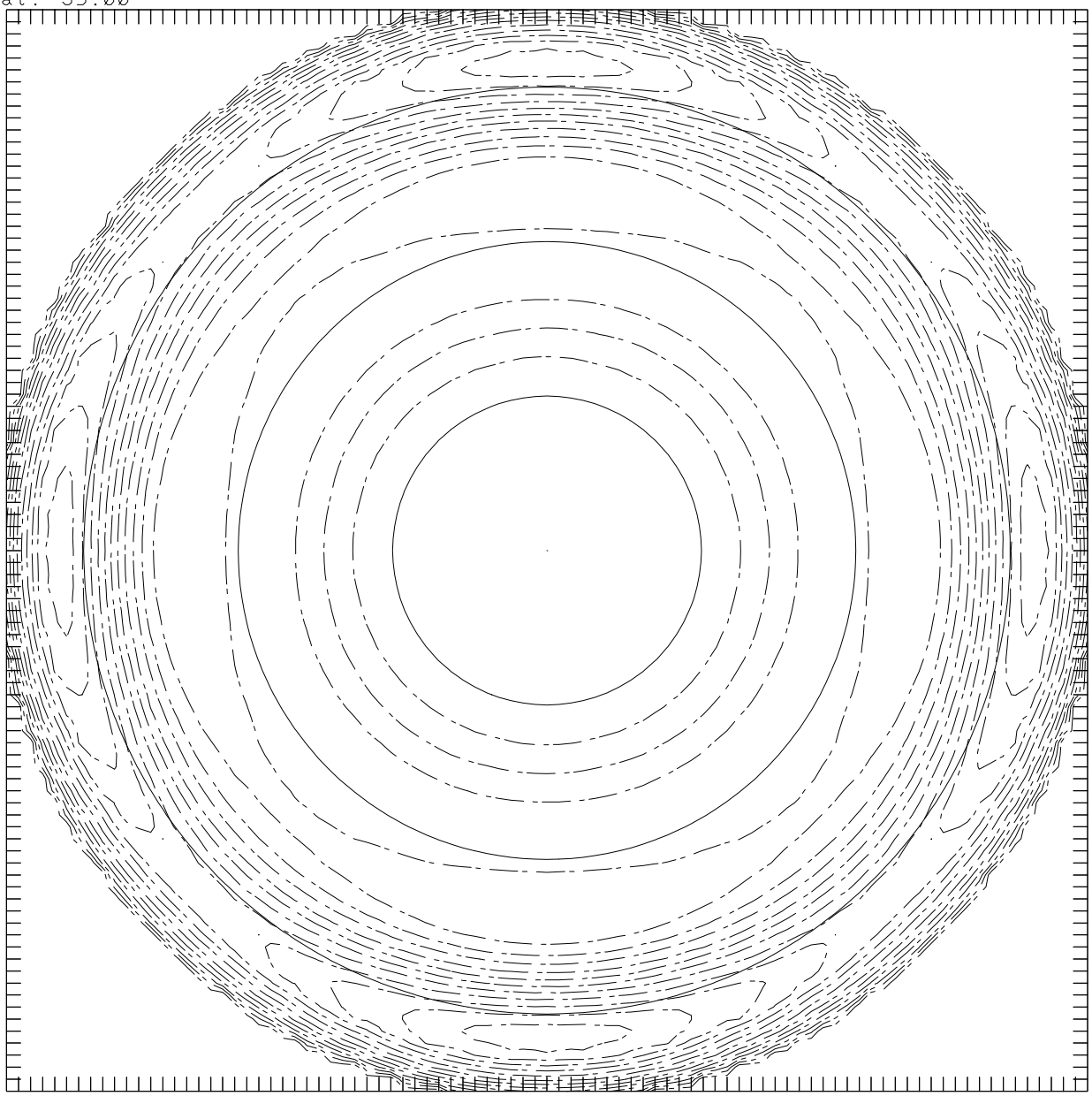
min 0.0000 fmax 0.0000
lat. 35.00

ofluxsth: aurora ut = 0.00



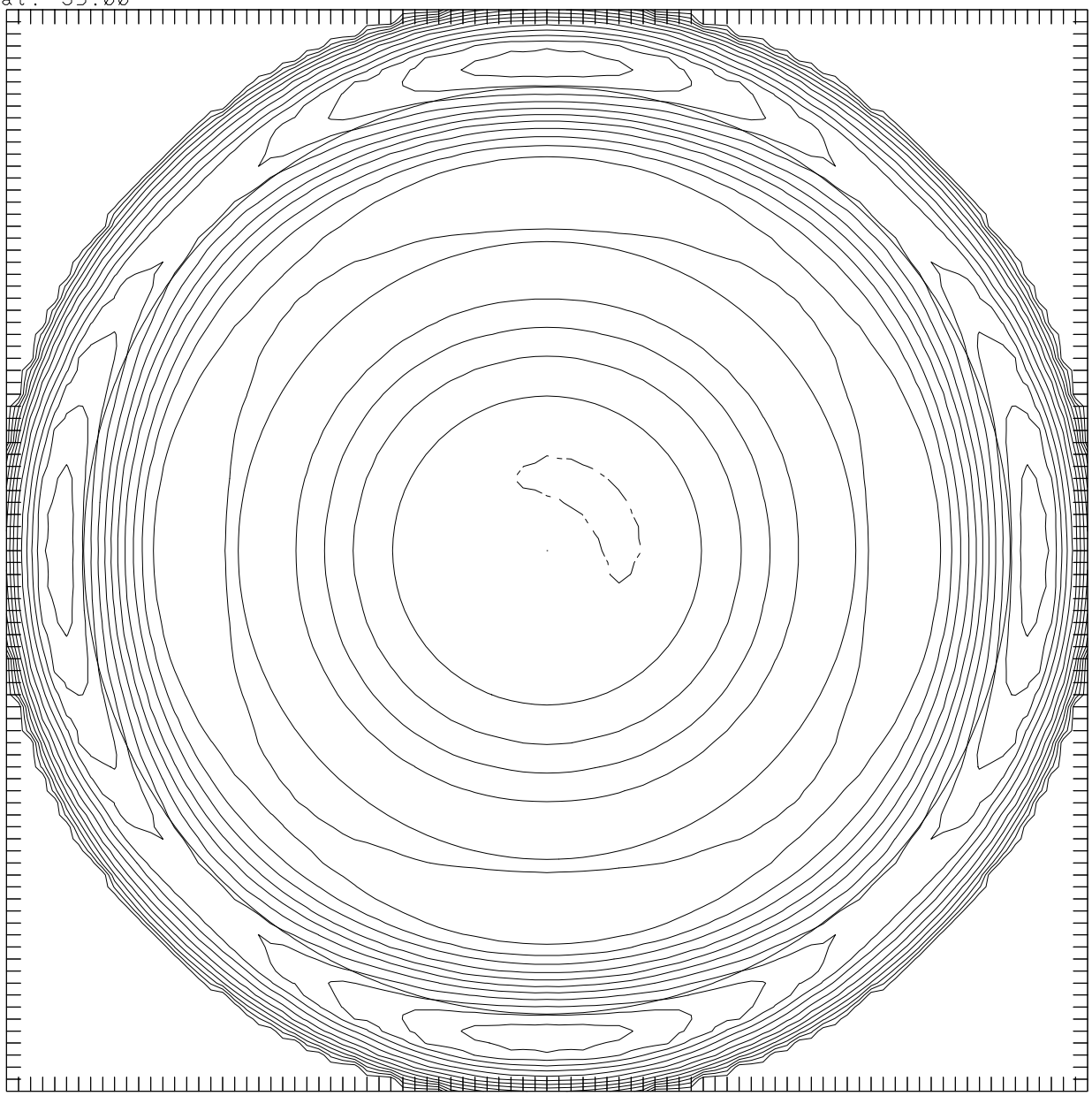
min 0.0000 fmax 0.0000
lat. 35.00

efluxnth: aurora ut = 0.00



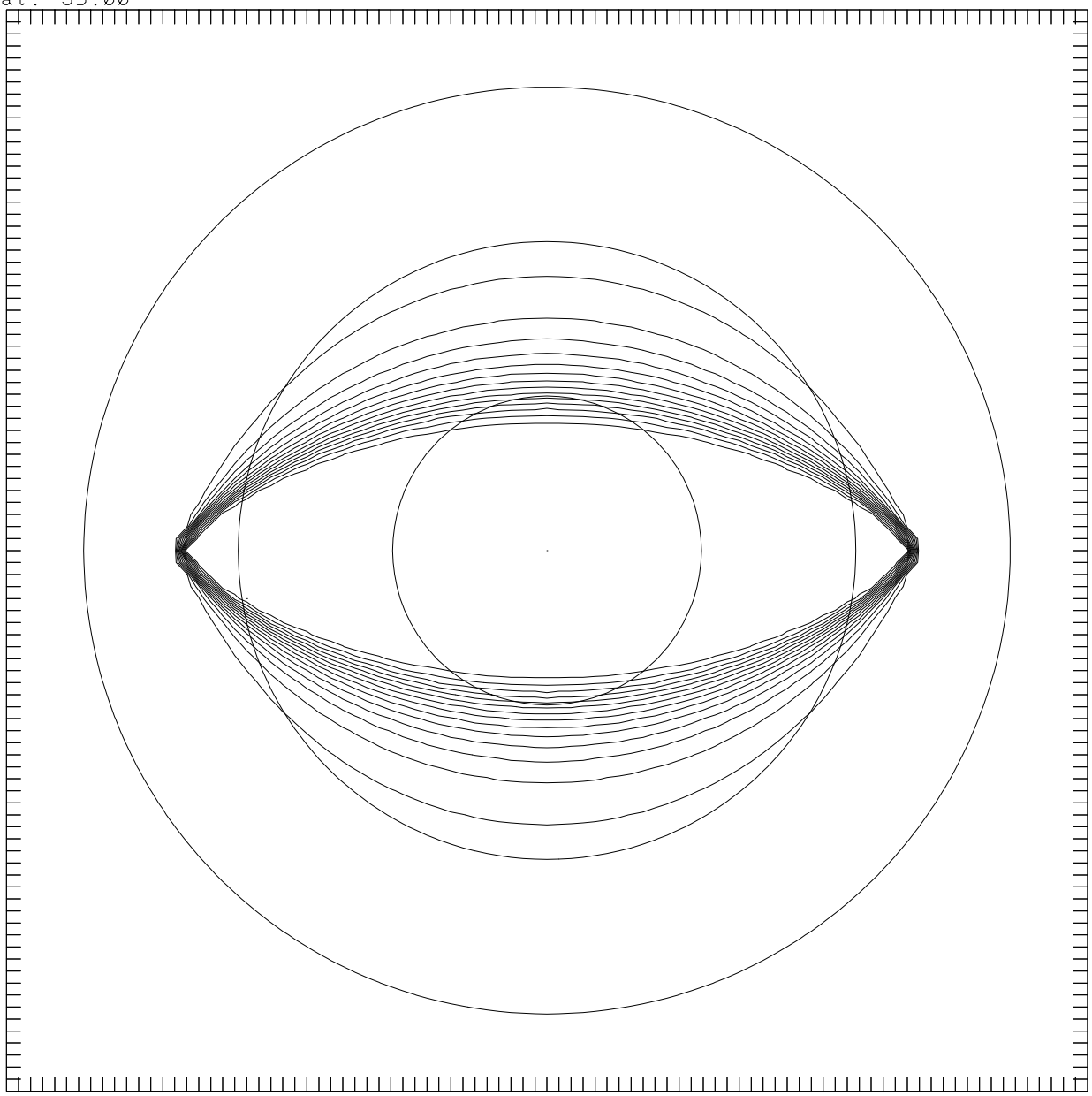
min 0.0000 fmax 0.0000
lat. 35.00

efluxsth: aurora ut = 0.00



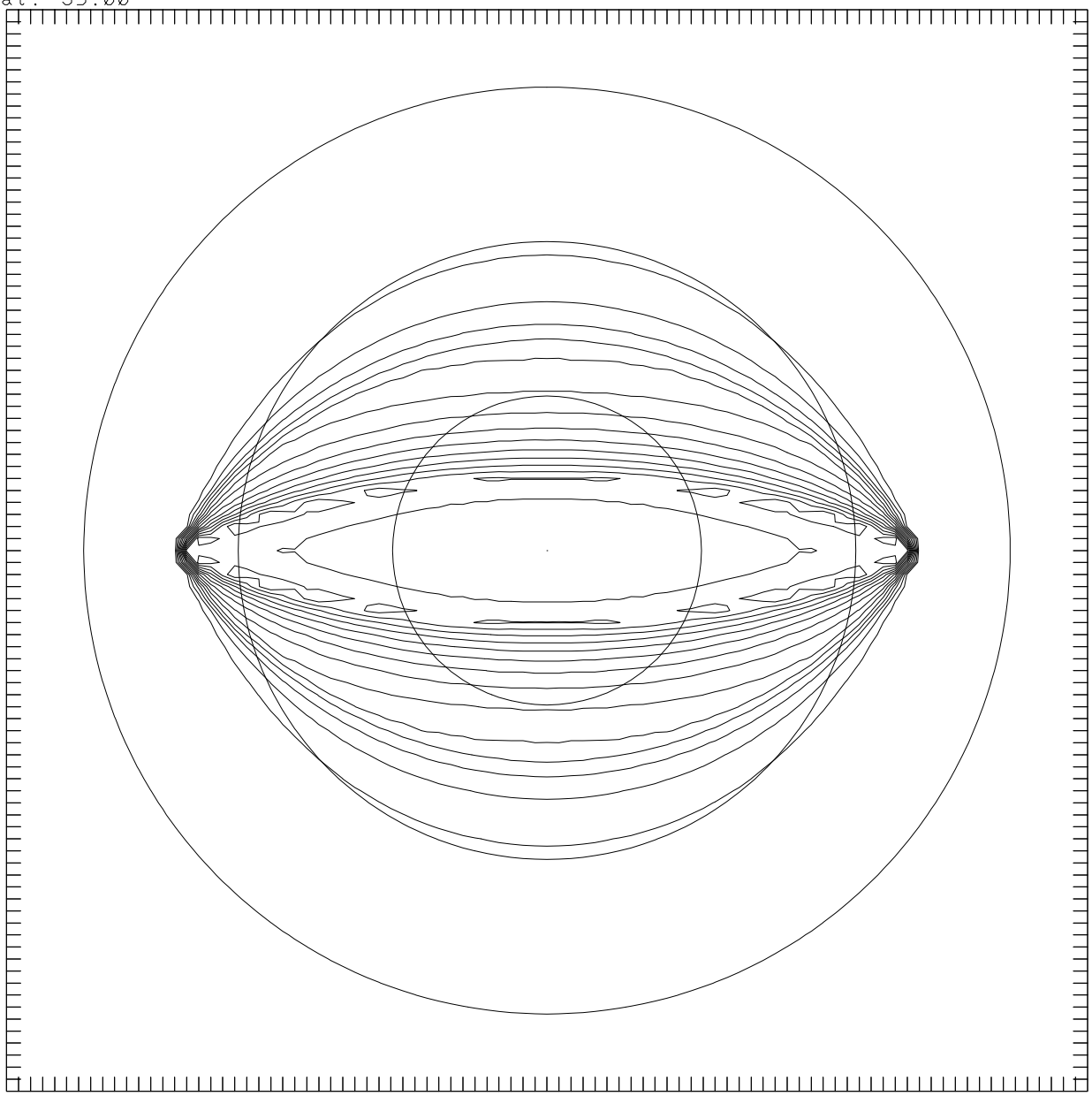
min 0.0000 0.1816
lat. 35.00

itempnth: intensity ut = 0.00



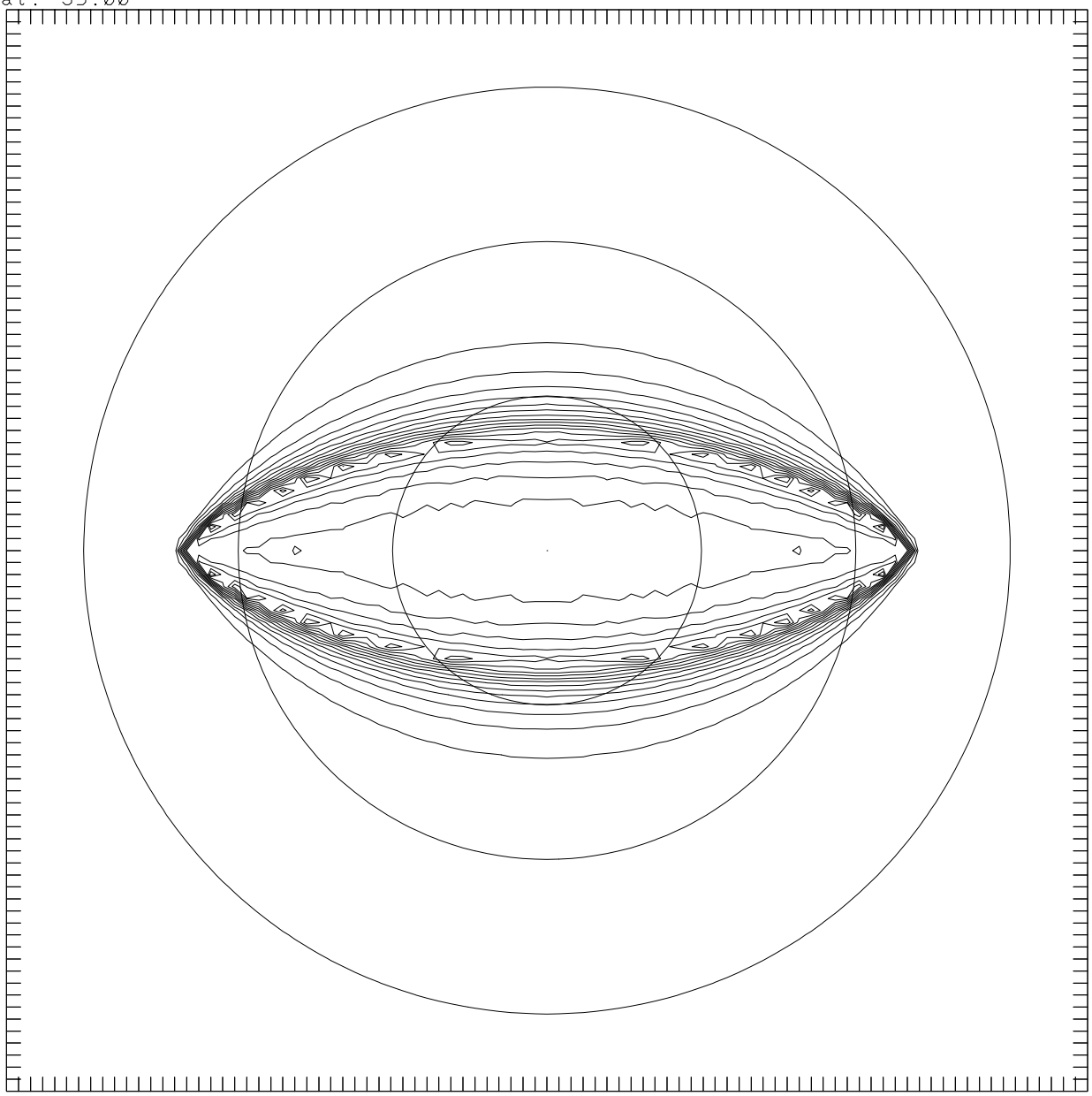
min 0.0000 0.1359
lat. 35.00

itempsth: intensity ut = 0.00



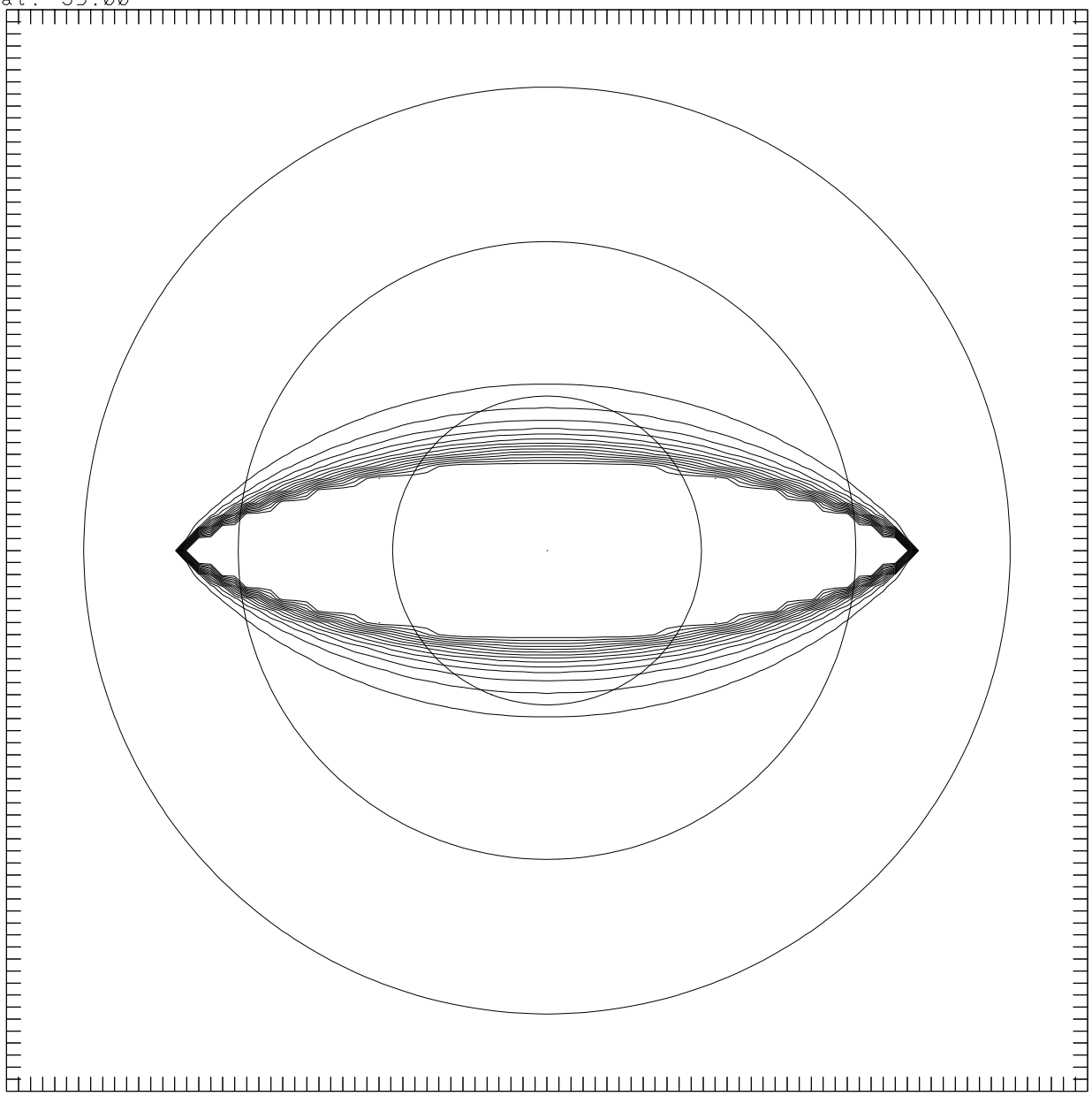
min 0.0000 0.6540
lat. 35.00

otempnth: intensity ut = 0.00



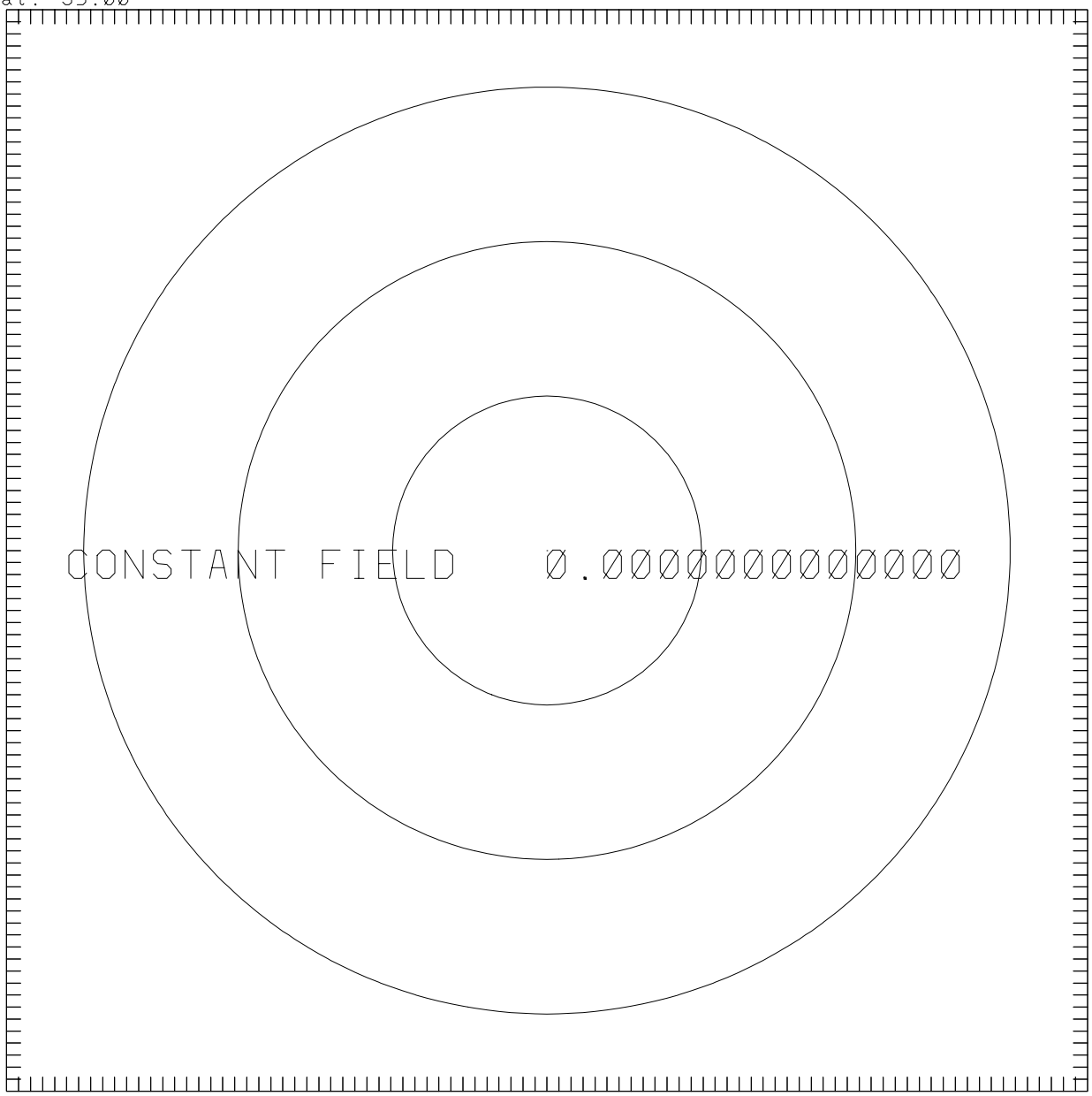
min 0.0000 1.8152
lat. 35.00

otempsth: intensity ut = 0.00



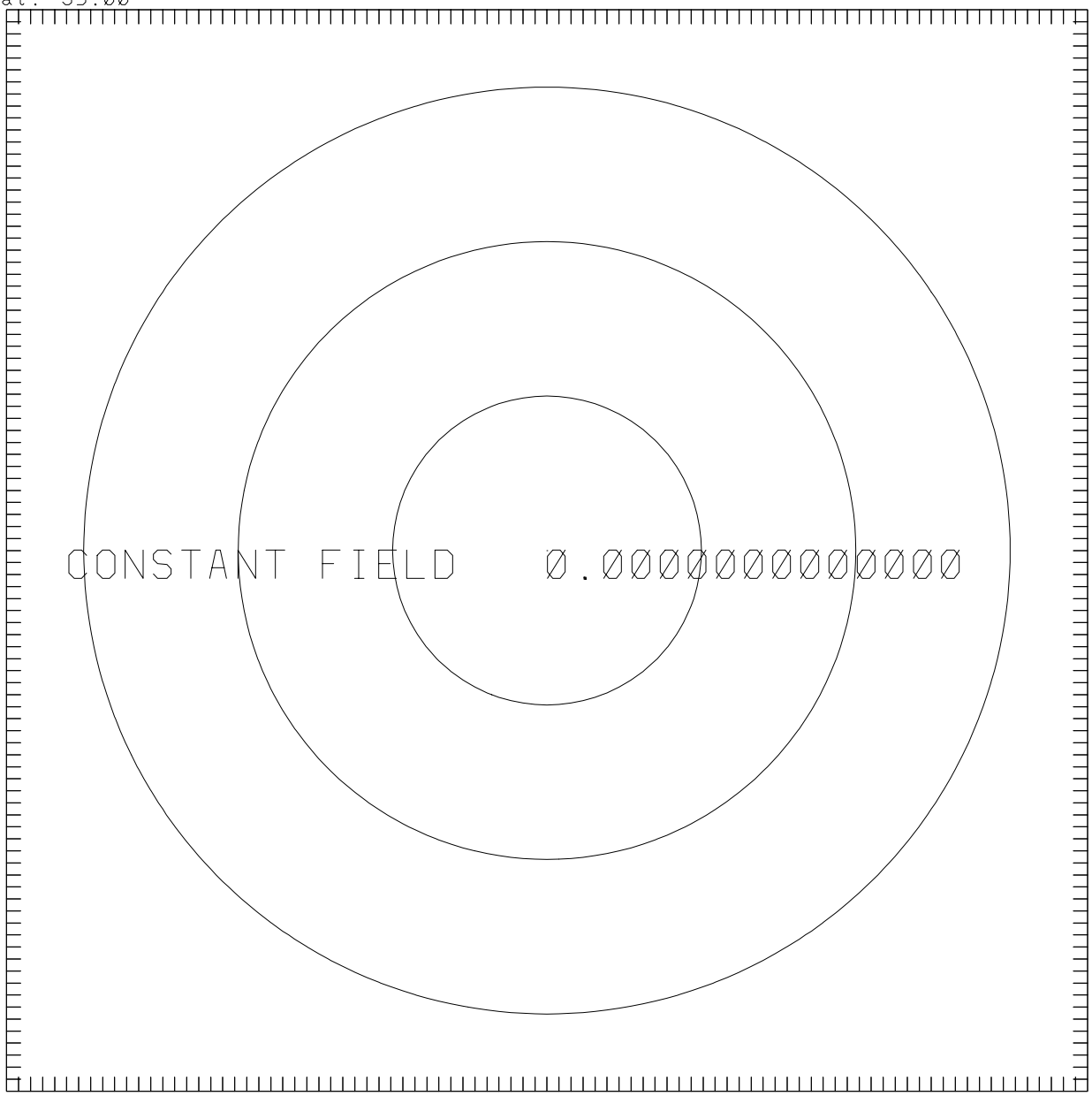
min 0.0000 0.0000
lat. 35.00

qtempnth: intensity ut = 0.00



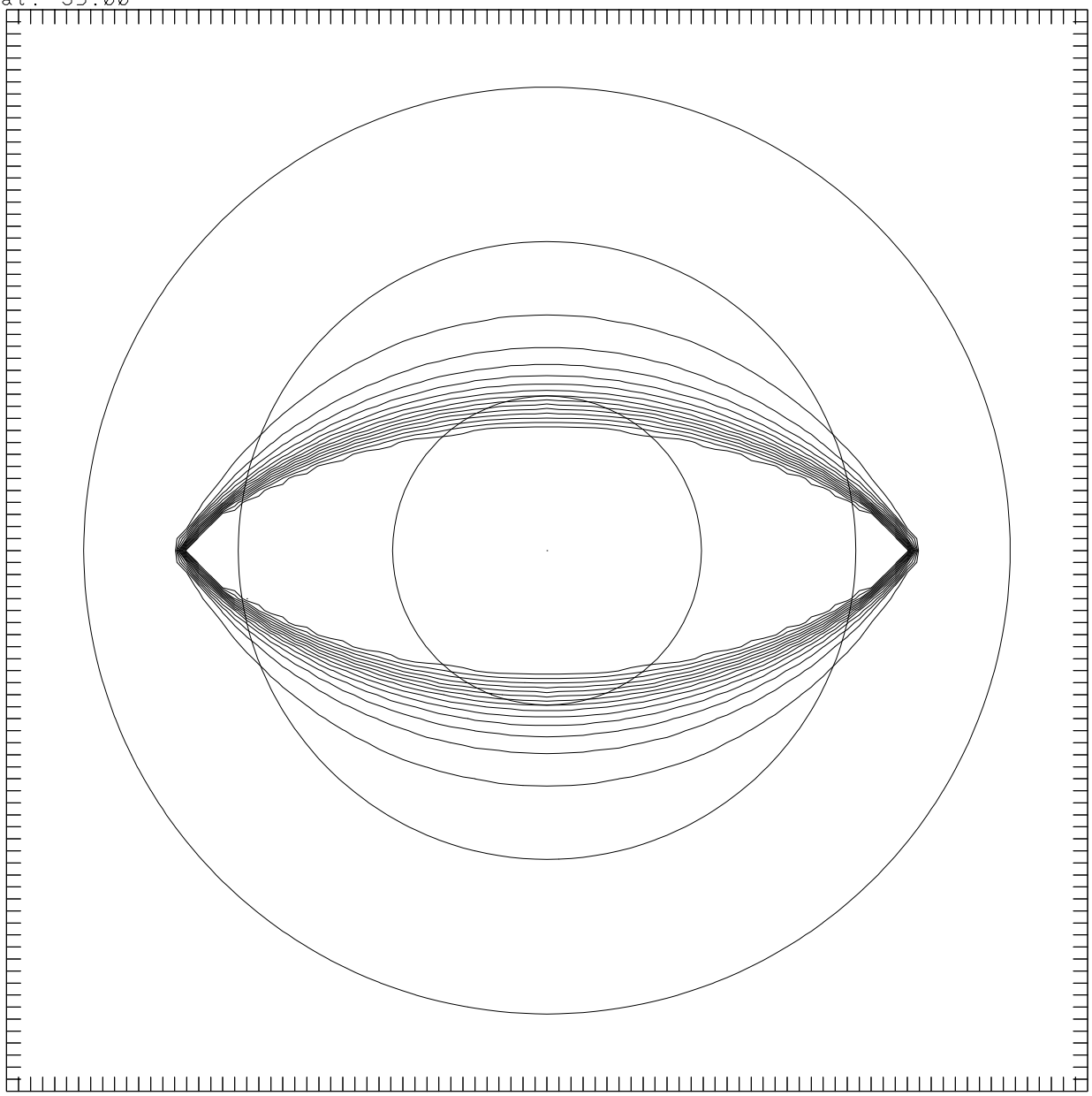
min 0.0000 0.0000
lat. 35.00

qtempsth: intensity ut = 0.00



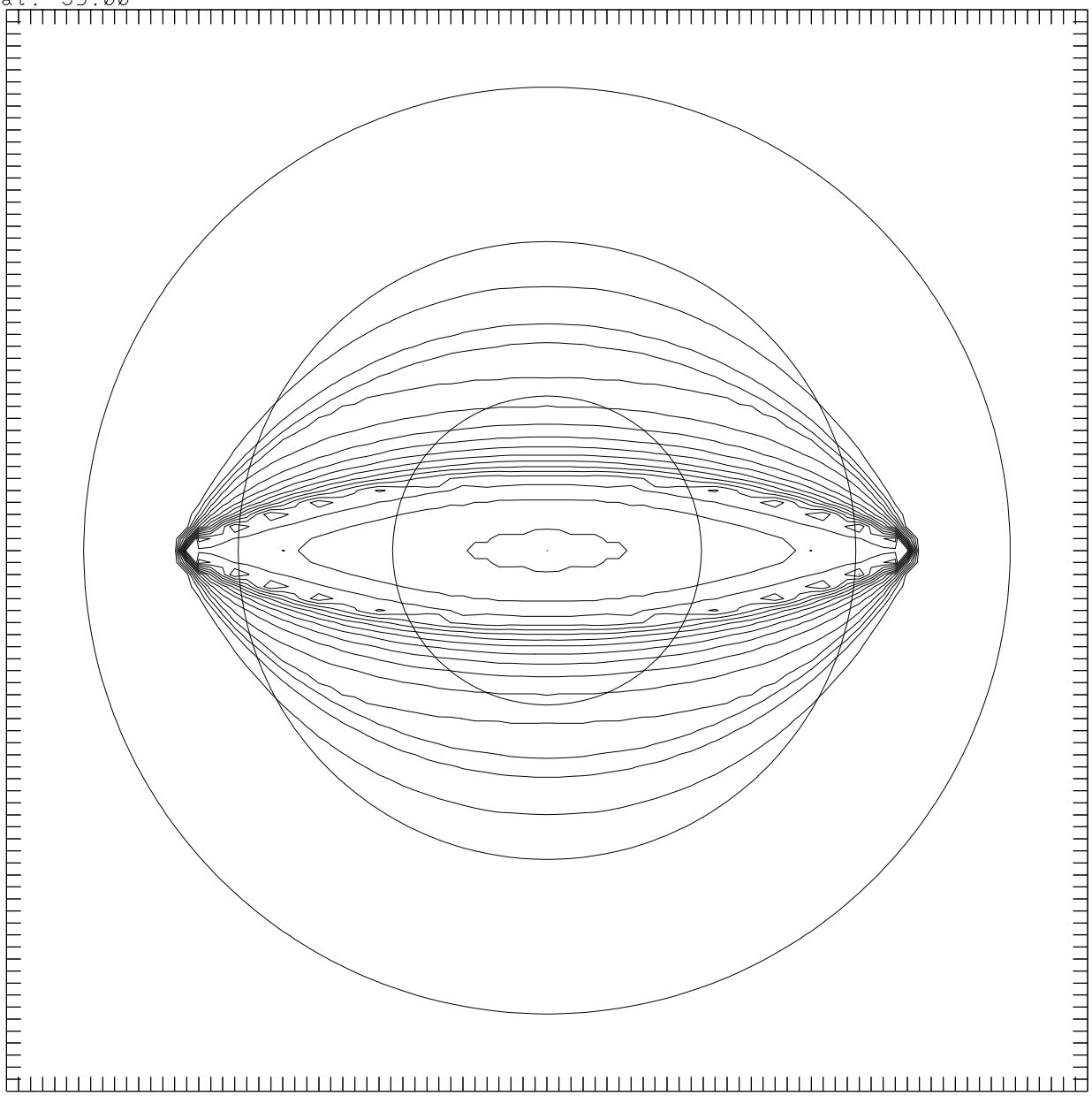
min 0.0000 0.3632
lat. 35.00

htempnth: intensity ut = 0.00



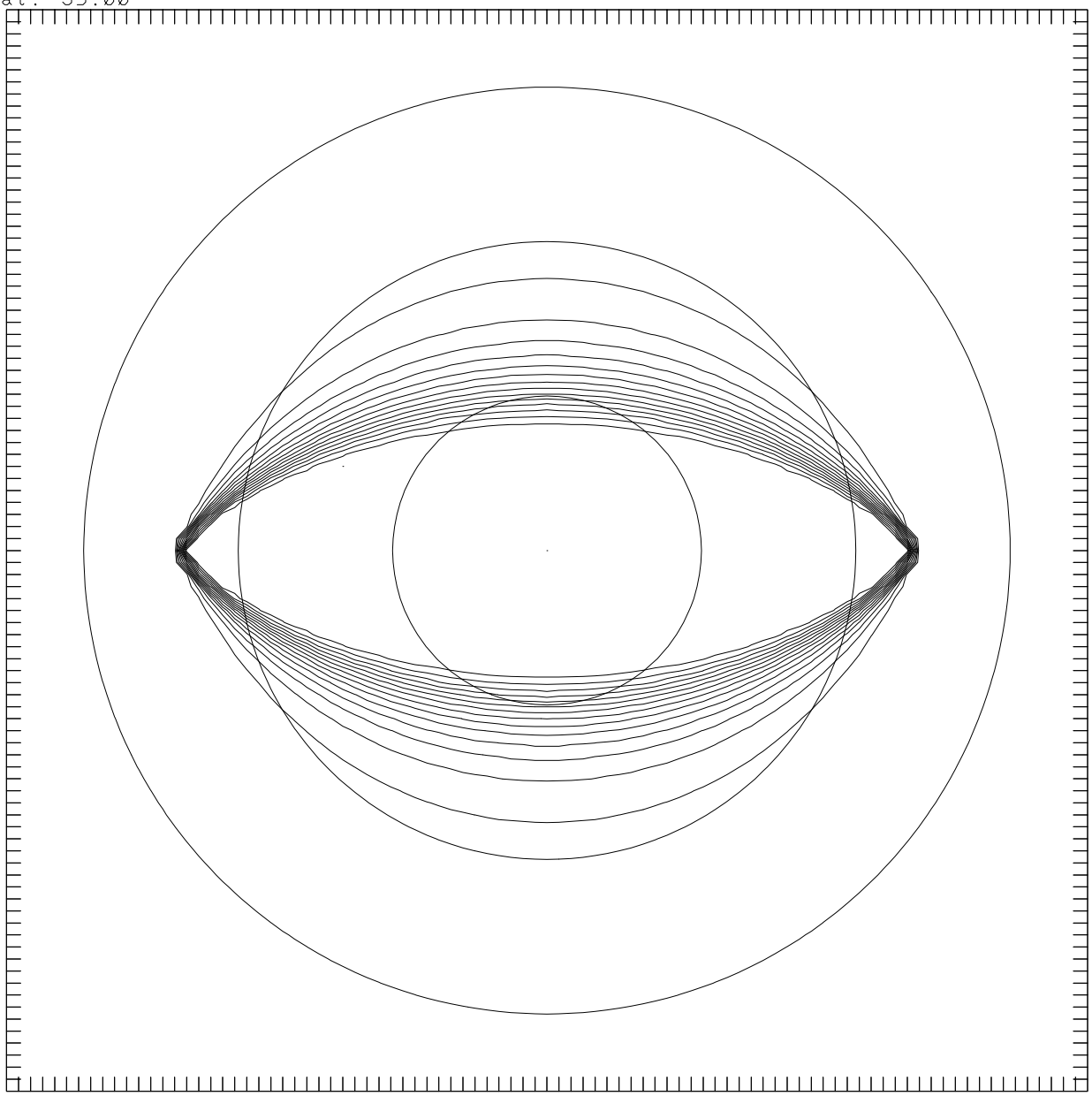
min 0.0000 0.2172
lat. 35.00

htempsth: intensity ut = 0.00



min 0.0000 0.0358
lat. 35.00

etempnth: intensity ut = 0.00



min 0.0000 0.0271
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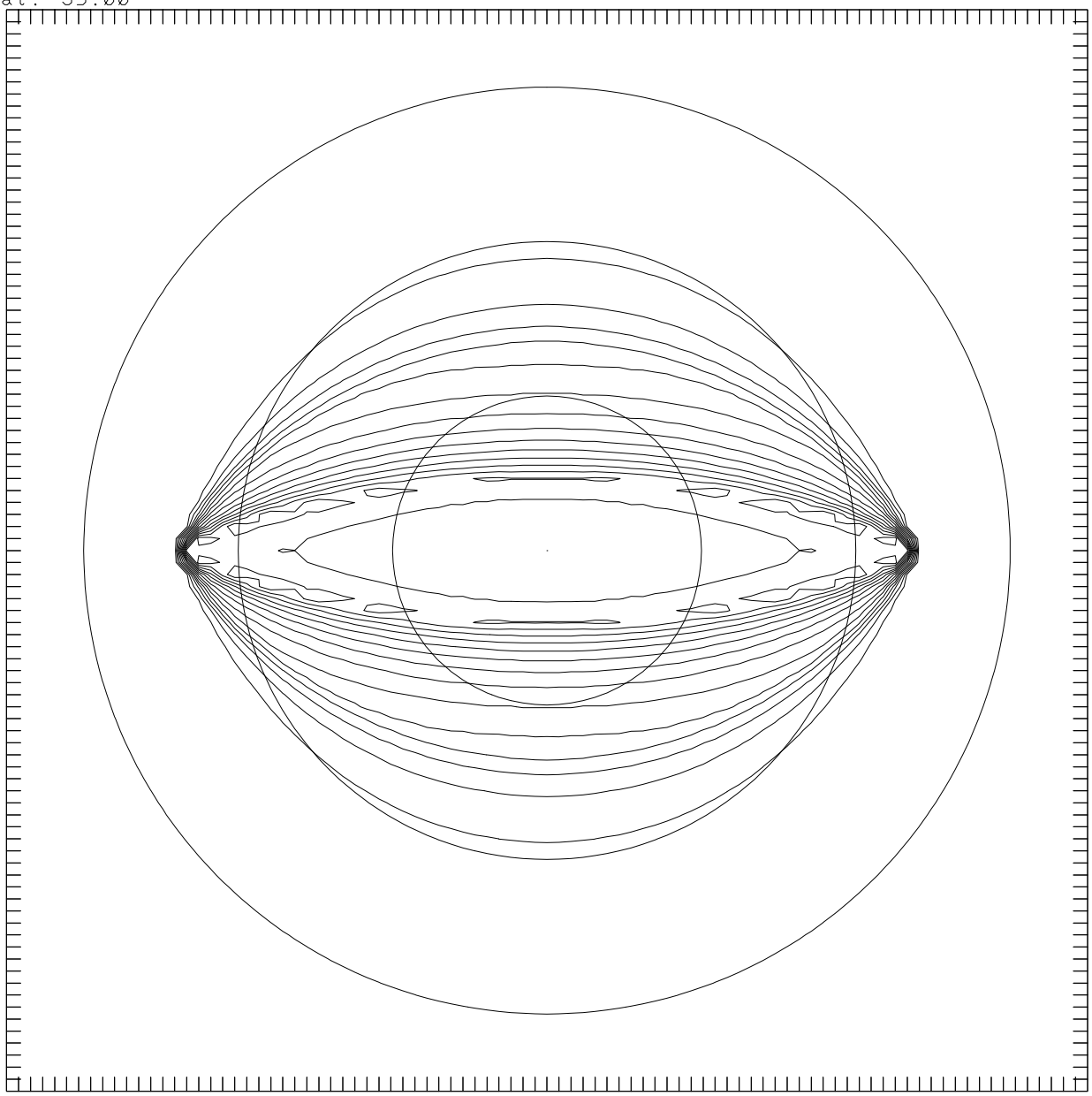
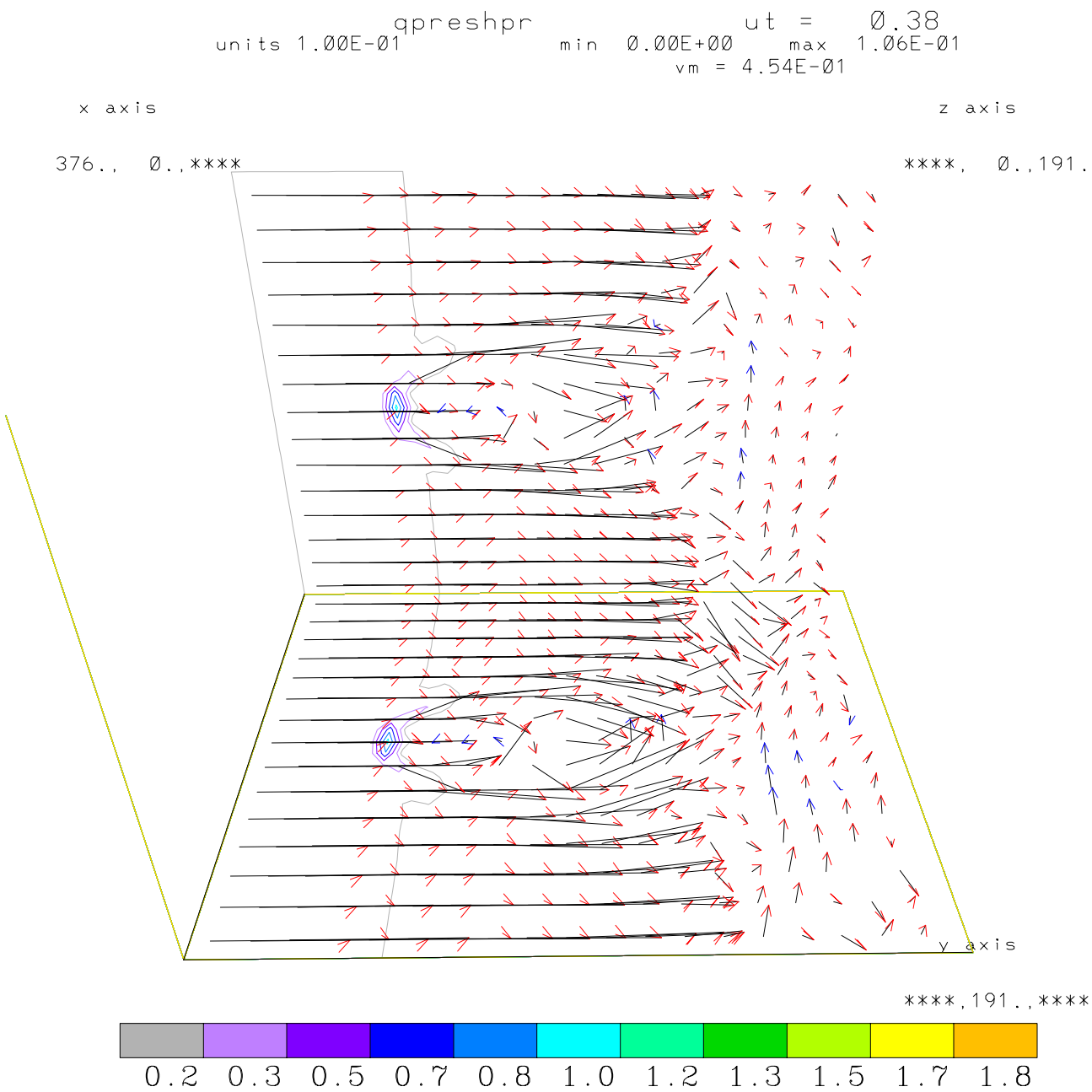
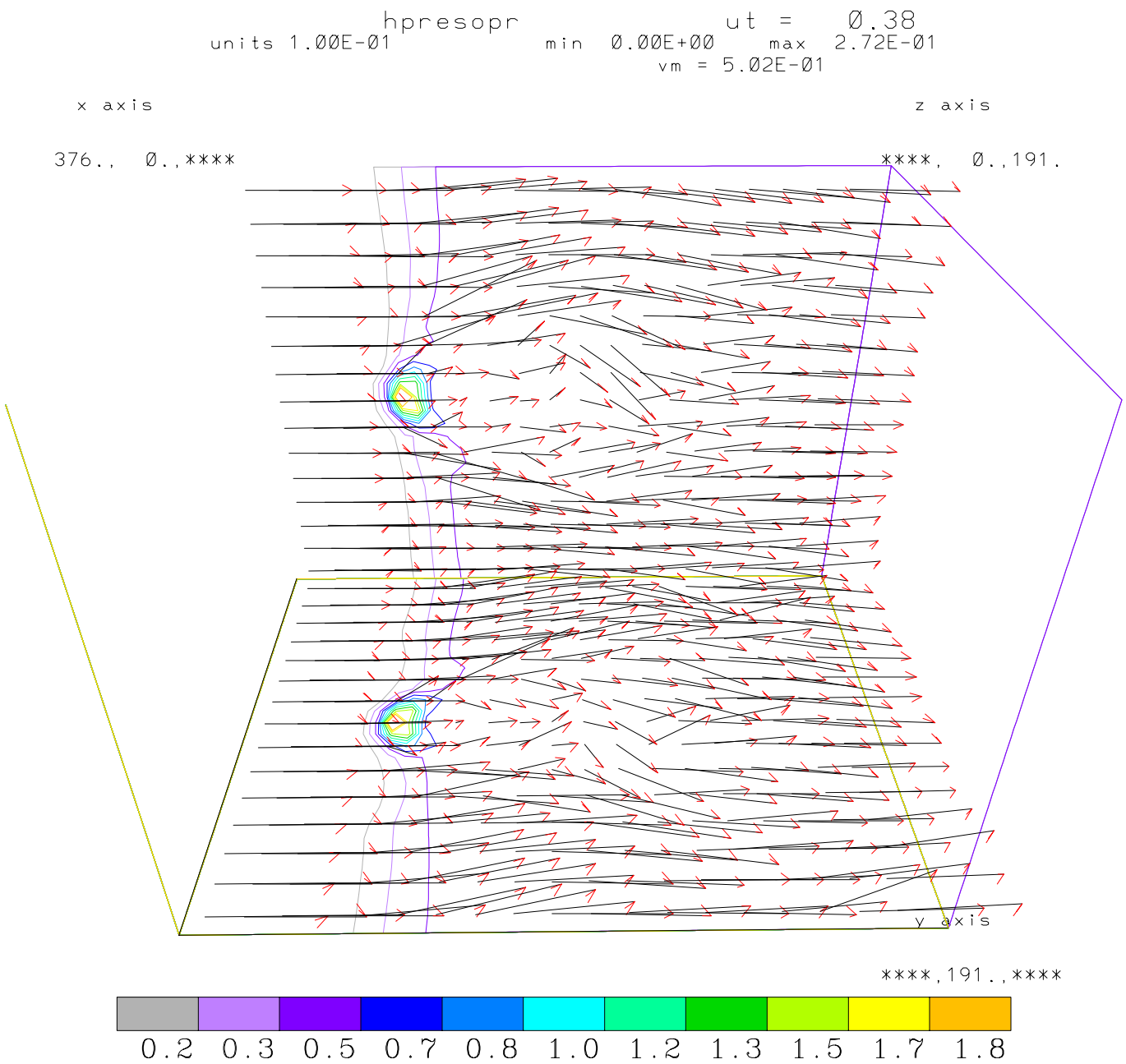



qpreshpr
ut = 0.38
units 1.00E-01
min 0.00E+00
max 1.06E-01
vm = 4.54E-01
x axis
z axis
376., 0.,****
****, 0.,191.
y axis
****,191.,****
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8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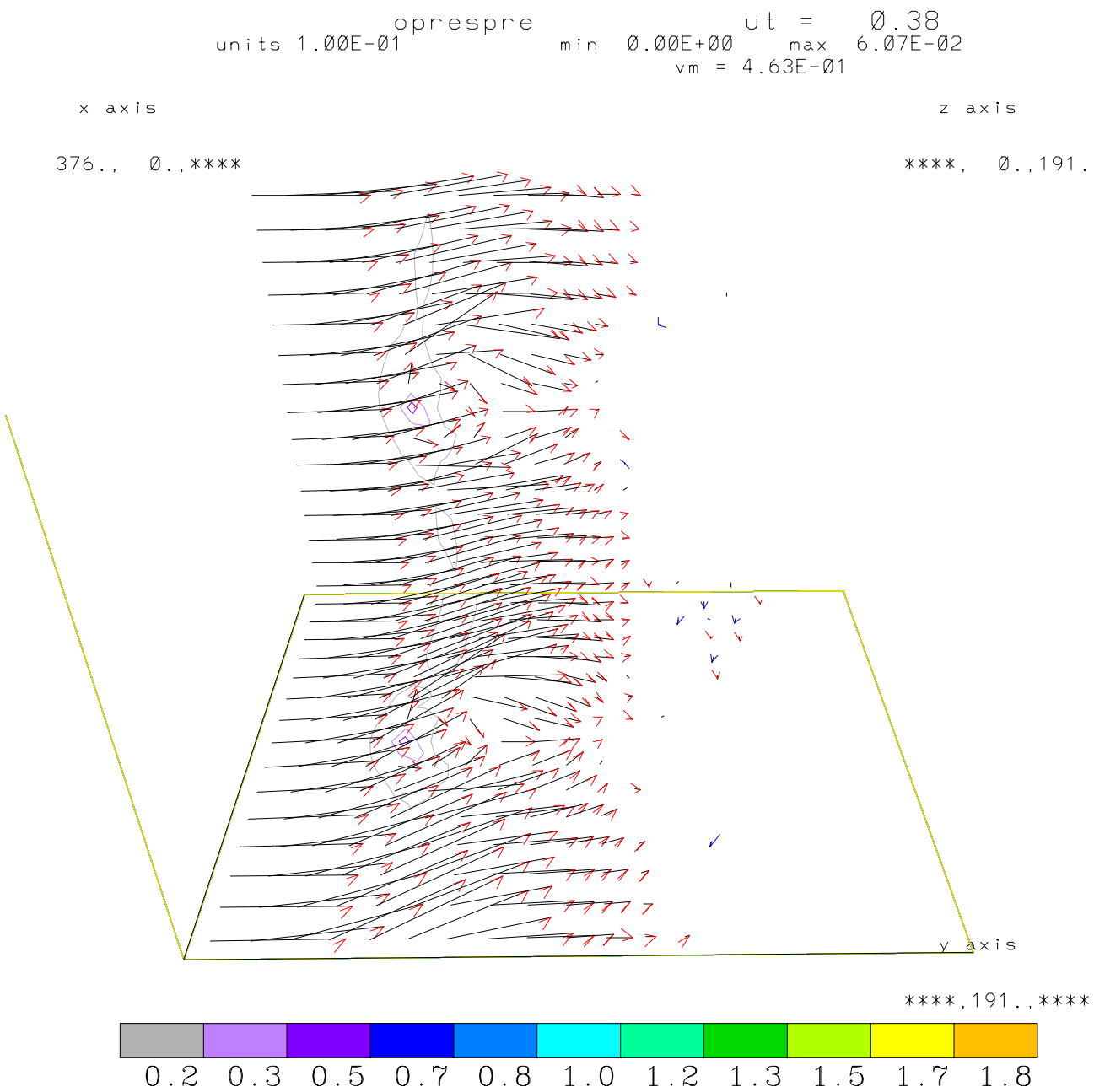
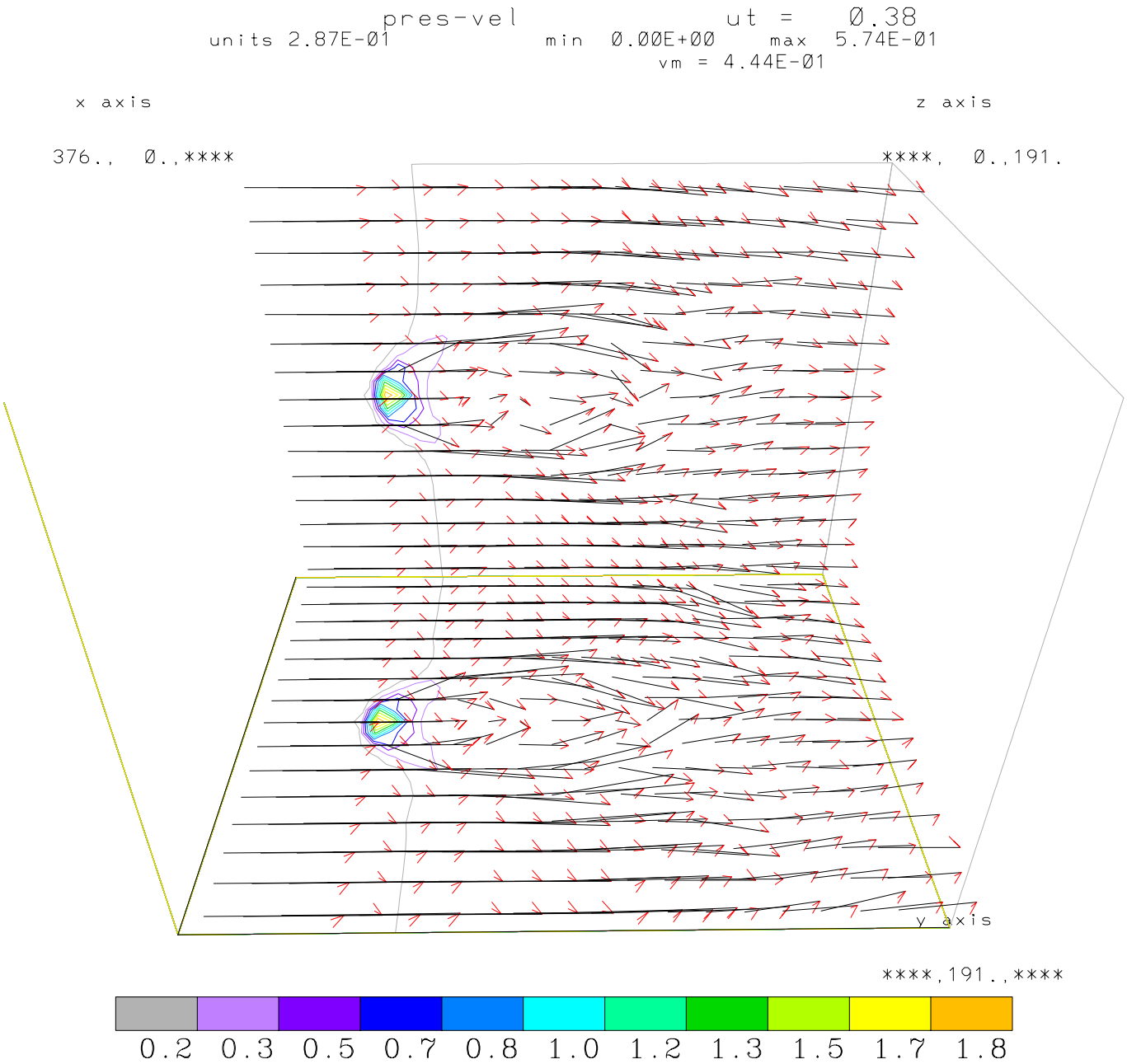
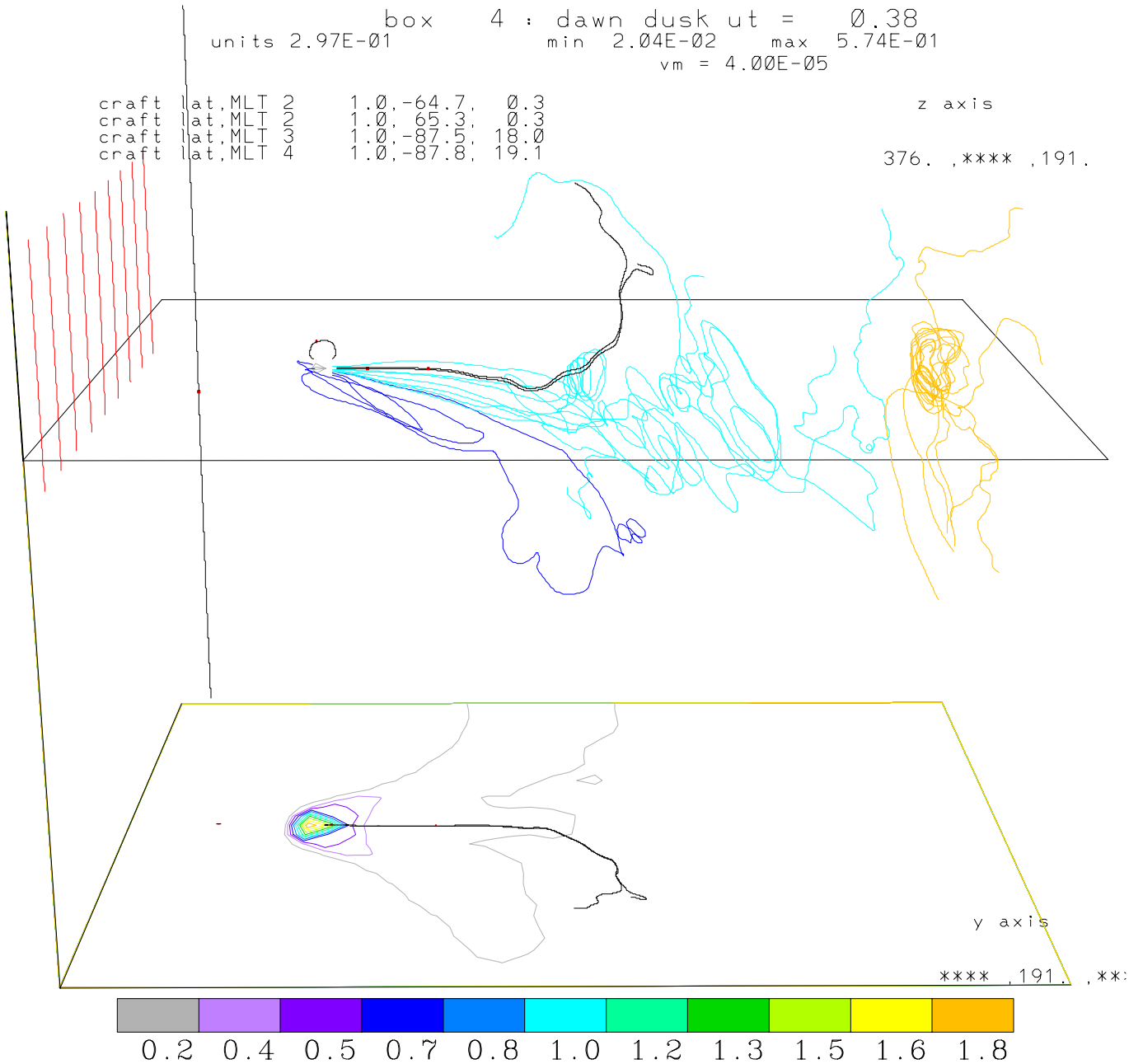
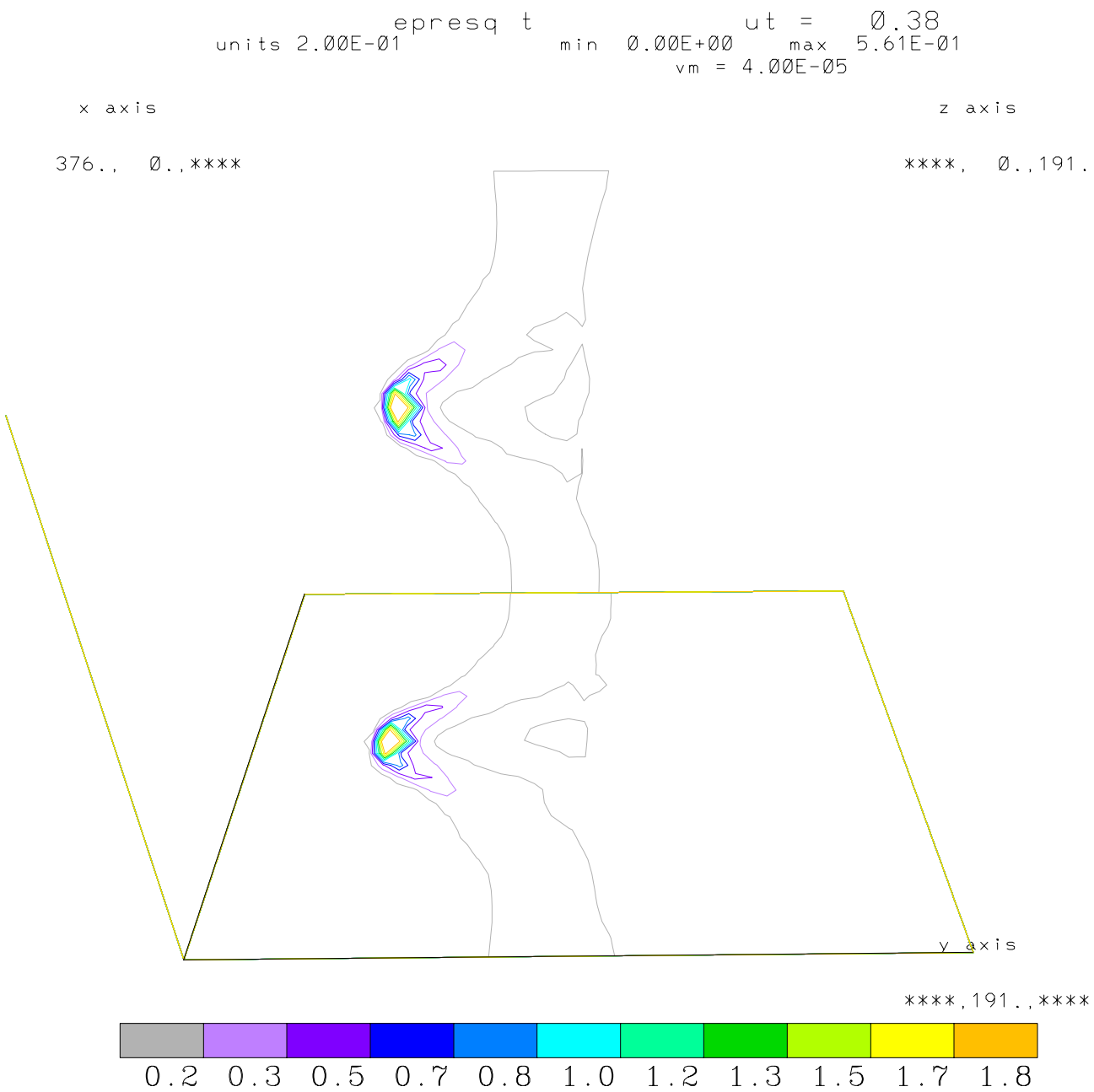
min 0.00E+00
max 2.72E-01
vm = 5.02E-01
x axis
z axis
376., 0.,****
****, 0.,191.
y axis
****,191.,****
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


oprespre
ut = 0.38
units 1.00E-01
min 0.00E+00
max 6.07E-02
vm = 4.63E-01
x axis
z axis
376., 0.,****
****, 0.,191.
y axis
****,191.,****
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


pres-vel
ut = 0.38
units 2.87E-01
min 0.00E+00
max 5.74E-01
vm = 4.44E-01
x axis
z axis
376., 0.,****
****, 0.,191.
y axis
****,191.,****
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


box 4 : dawn dusk ut = 0.38
units 2.97E-01
min 2.04E-02 max 5.74E-01
vm = 4.00E-05
craft lat,MLT 2 1.0,-64.7, 0.3
craft lat,MLT 2 1.0, 65.3, 0.3
craft lat,MLT 3 1.0,-87.5, 18.0
craft lat,MLT 4 1.0,-87.8, 19.1
z axis
376. ,**** ,191.
y axis
**** ,191. ,**:
0.2 0.4 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.6 1.8


epresq t
ut = 0.38
units 2.00E-01
min 0.00E+00
max 5.61E-01
vm = 4.00E-05
x axis
z axis
376., 0.,****
****, 0.,191.
y axis
****,191.,****
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8

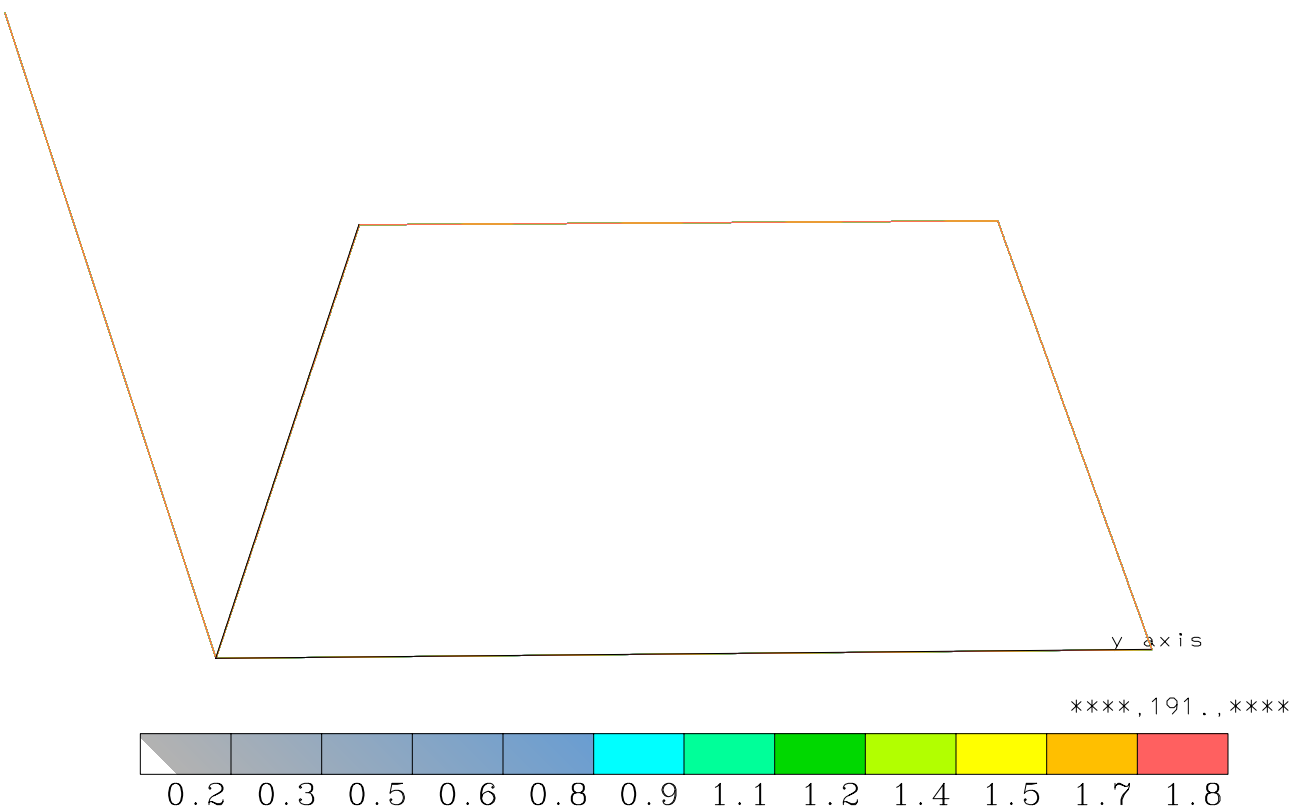
q temph ut = 0.38

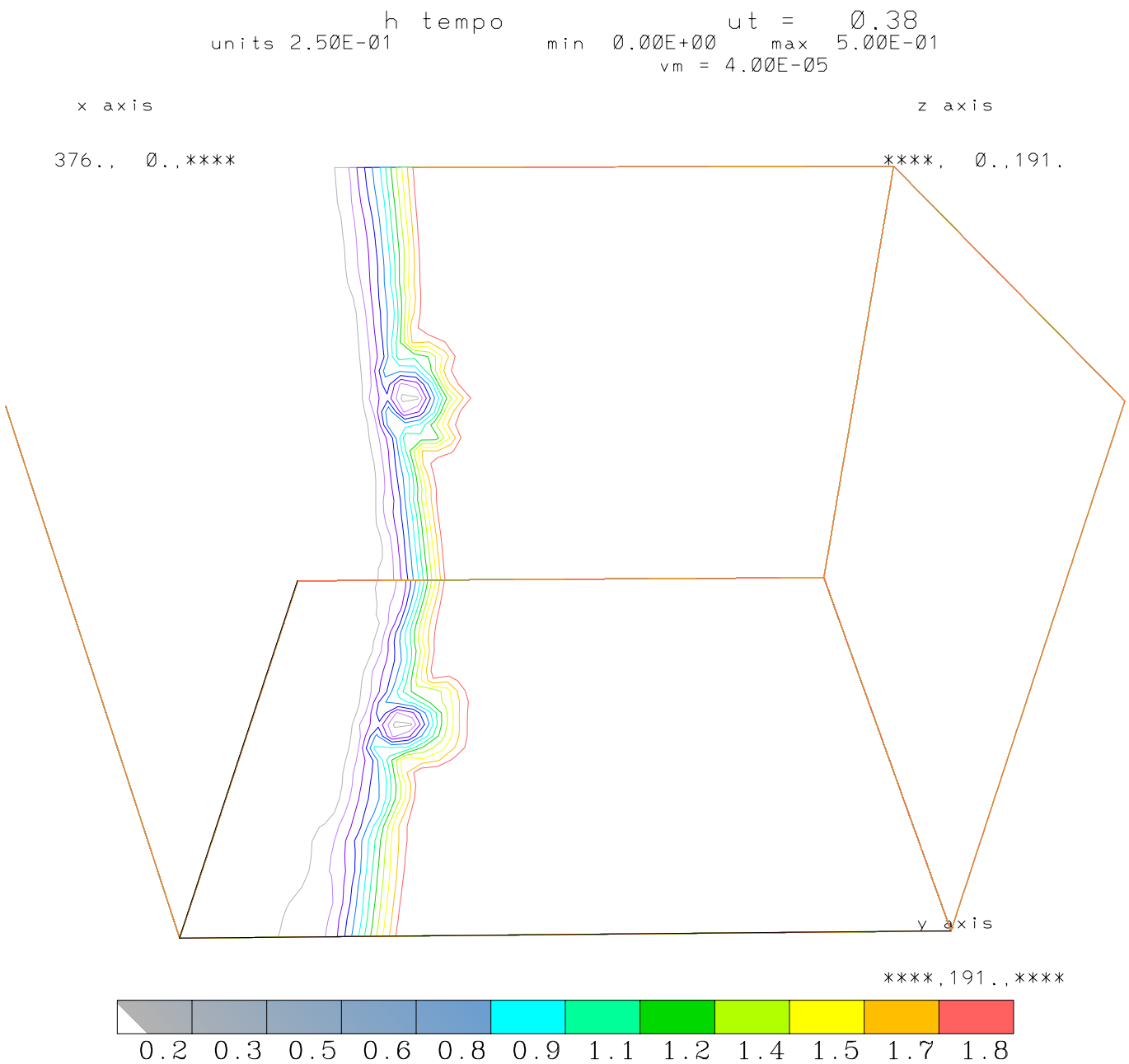
units 2.50E-01 min 0.00E+00 max 2.77E-02

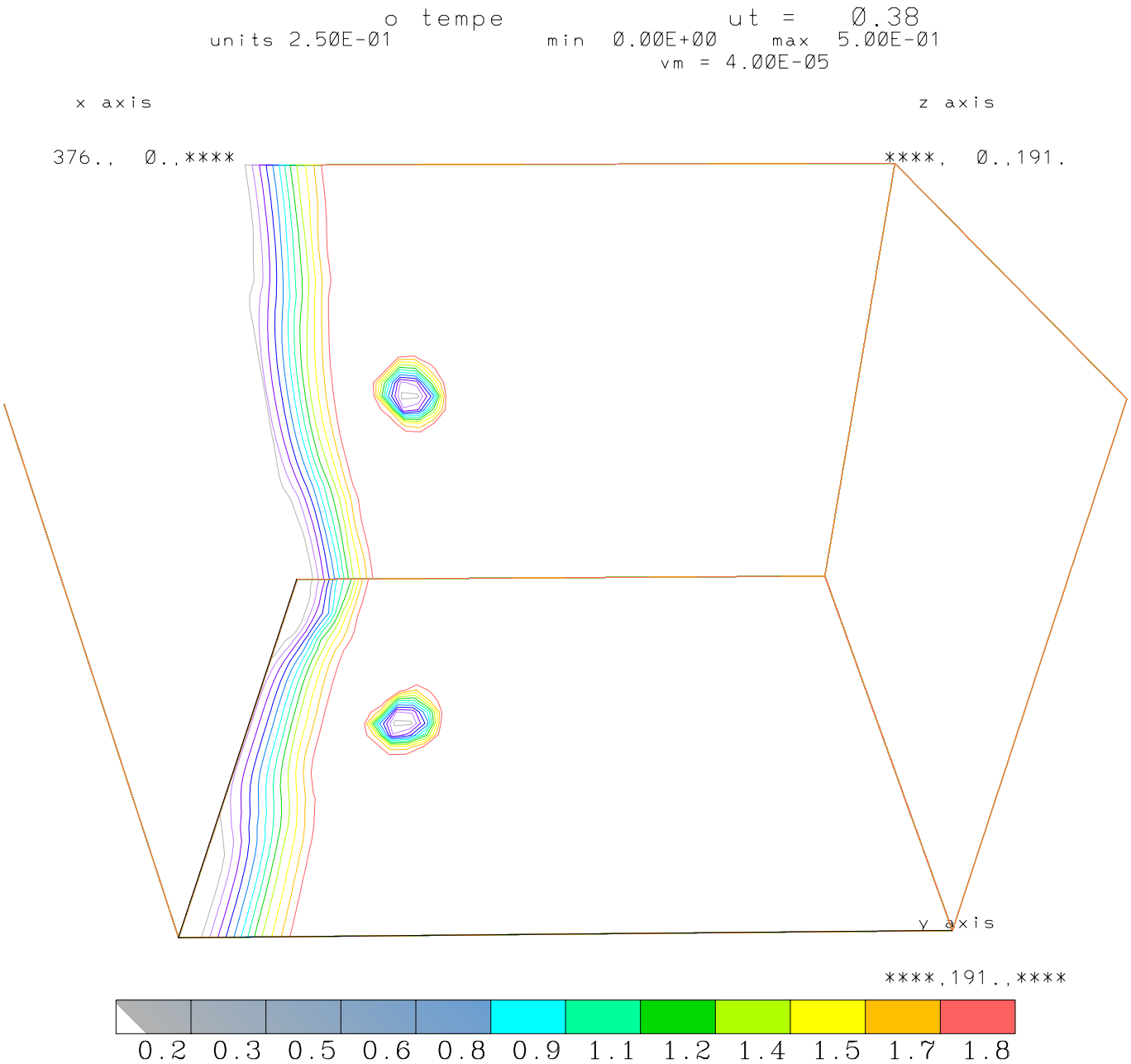
vm = 4.00E-05

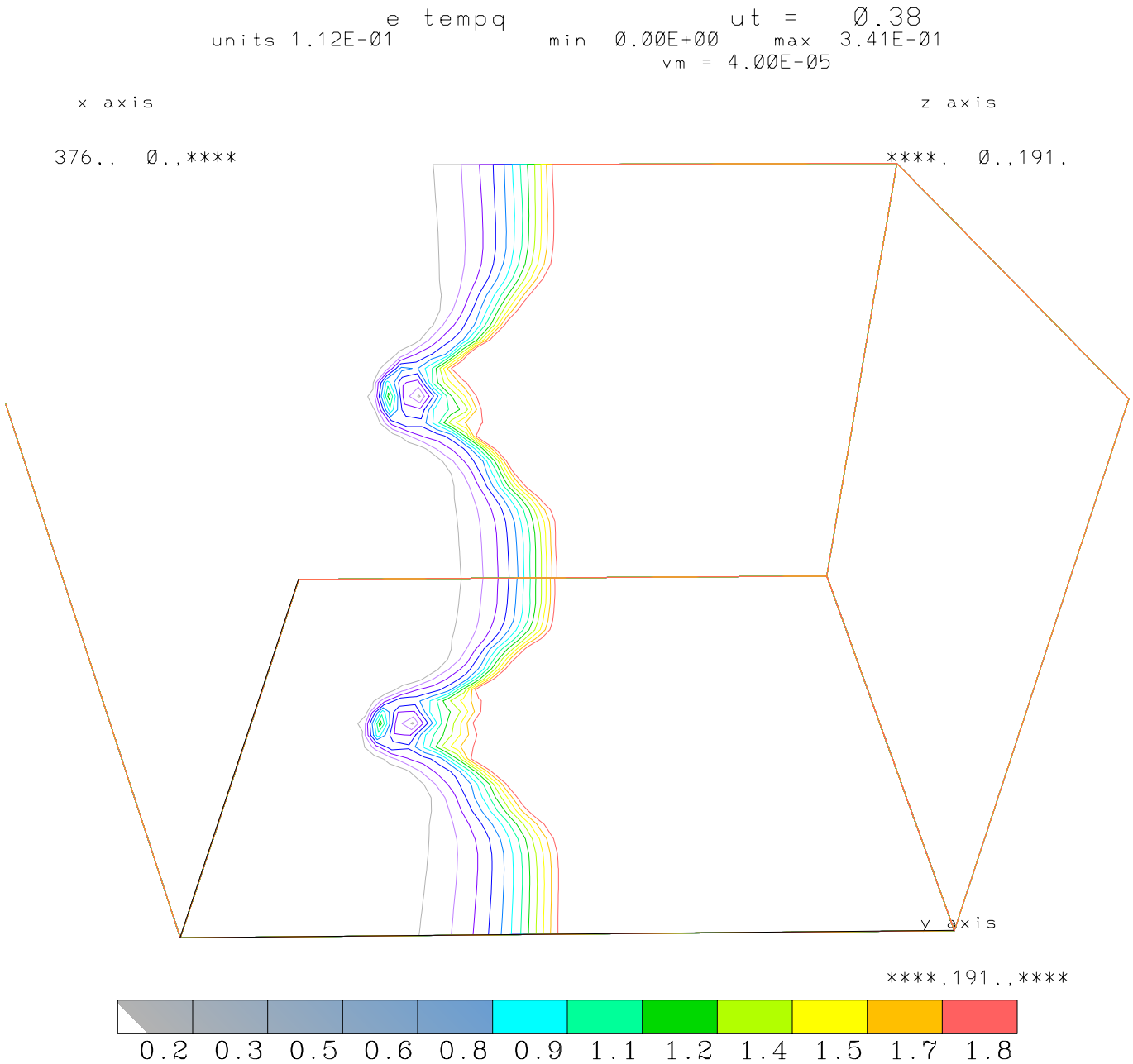
x axis z axis

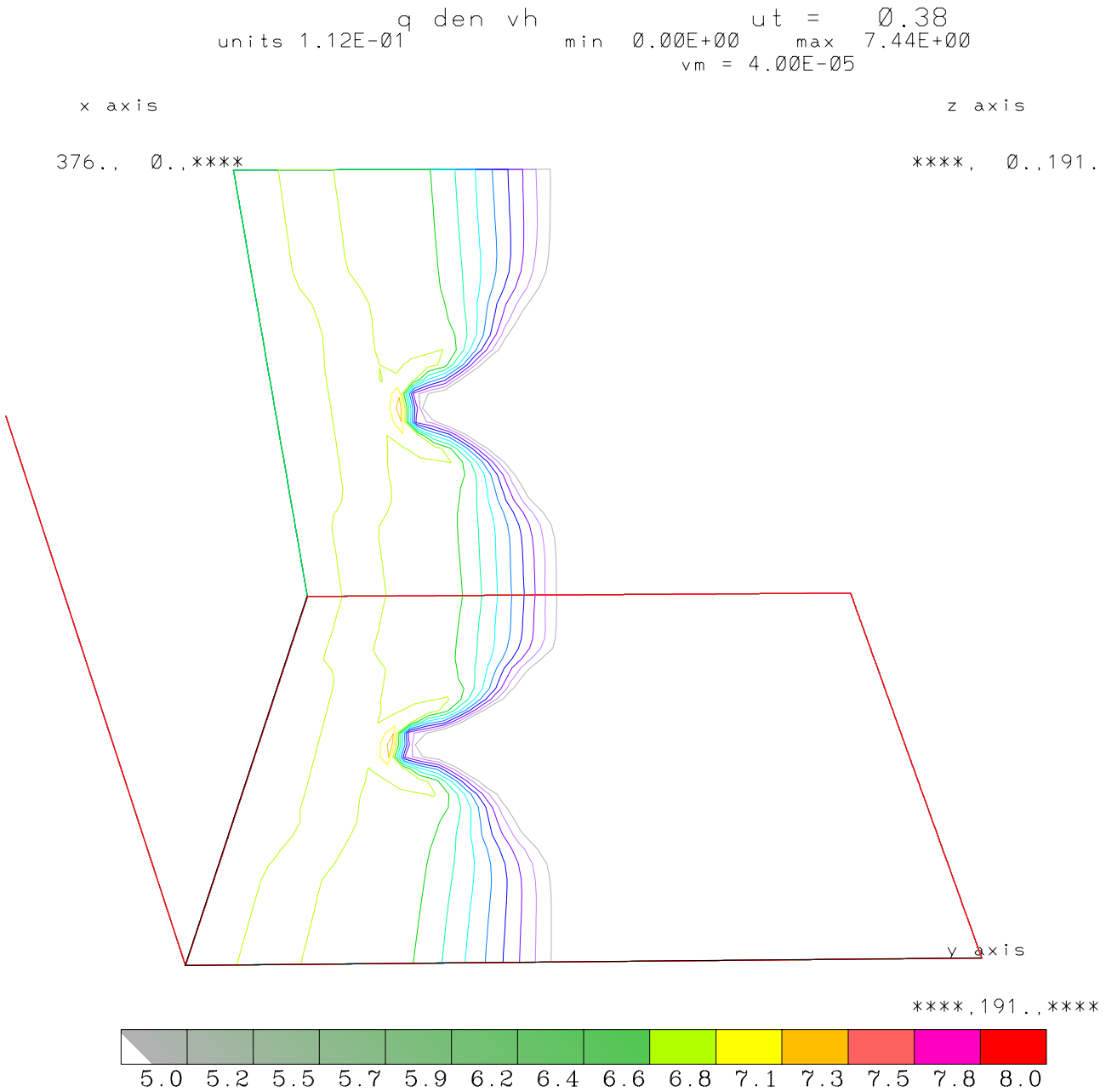
376., 0.,**** ****, 0.,191.

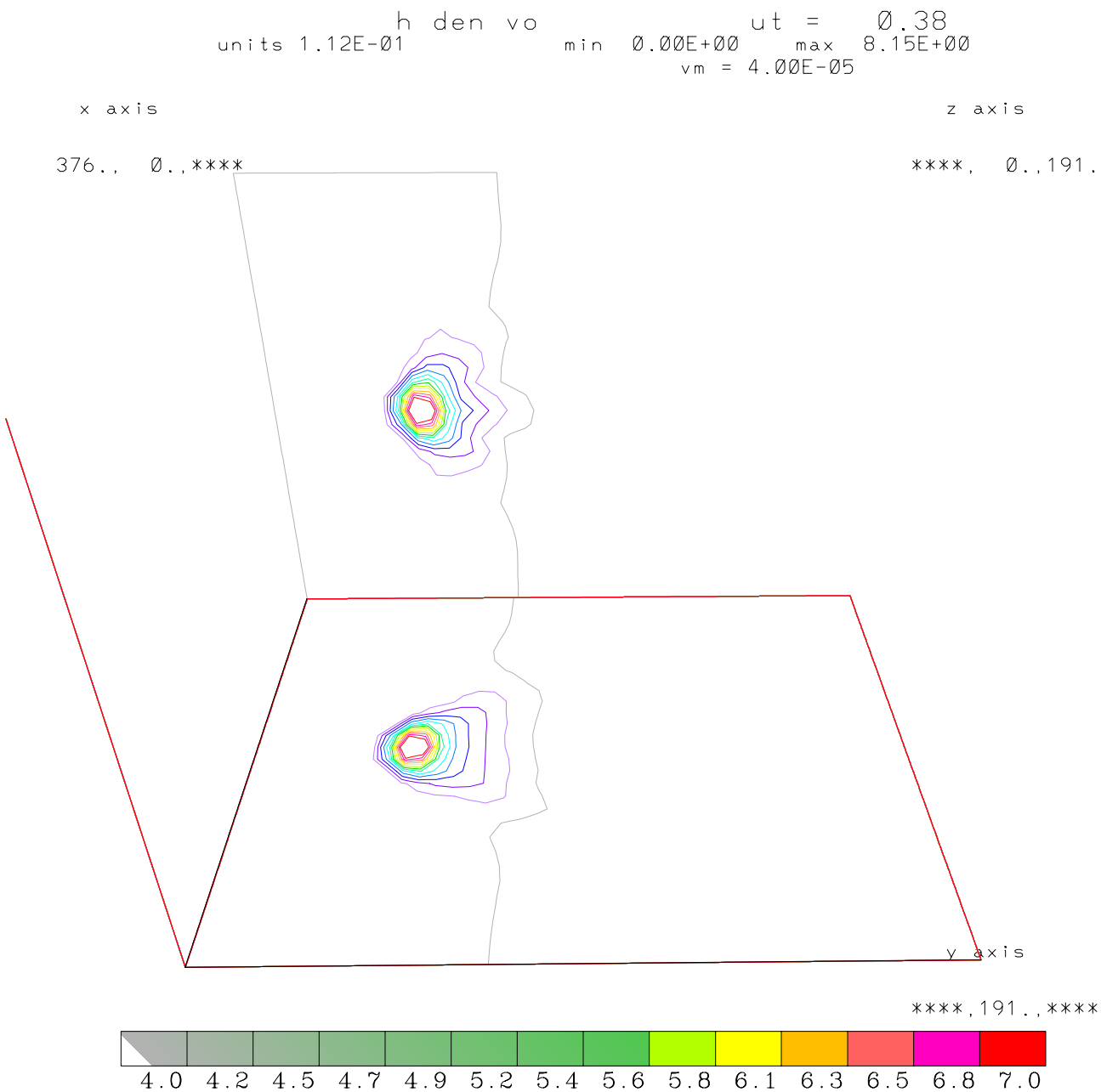



h tempo
ut = 0.38
units 2.50E-01
min 0.00E+00
max 5.00E-01
vm = 4.00E-05
x axis
z axis
376., 0.,****
****, 0.,191.
y axis
****,191.,****
0.2 0.3 0.5 0.6 0.8 0.9 1.1 1.2 1.4 1.5 1.7 1.8


o tempe
ut = 0.38
units 2.50E-01
min 0.00E+00
max 5.00E-01
vm = 4.00E-05
x axis
z axis
376., 0.,****
****, 0.,191.
y axis
****,191.,****
0.2 0.3 0.5 0.6 0.8 0.9 1.1 1.2 1.4 1.5 1.7 1.8


e tempq
ut = 0.38
units 1.12E-01
min 0.00E+00
max 3.41E-01
vm = 4.00E-05
x axis
z axis
376., 0.,****
****, 0.,191.
y axis
****,191.,****
0.2 0.3 0.5 0.6 0.8 0.9 1.1 1.2 1.4 1.5 1.7 1.8


q den vh
ut = 0.38
units 1.12E-01
min 0.00E+00
max 7.44E+00
vm = 4.00E-05
x axis
z axis
376., 0.,****
****, 0.,191.
y axis
****,191.,****
5.0 5.2 5.5 5.7 5.9 6.2 6.4 6.6 6.8 7.1 7.3 7.5 7.8 8.0


h den vo ut = 0.38
units 1.12E-01 min 0.00E+00 max 8.15E+00
vm = 4.00E-05
x axis
z axis
376., 0.,****
****, 0.,191.
y axis
****,191.,****
4.0 4.2 4.5 4.7 4.9 5.2 5.4 5.6 5.8 6.1 6.3 6.5 6.8 7.0

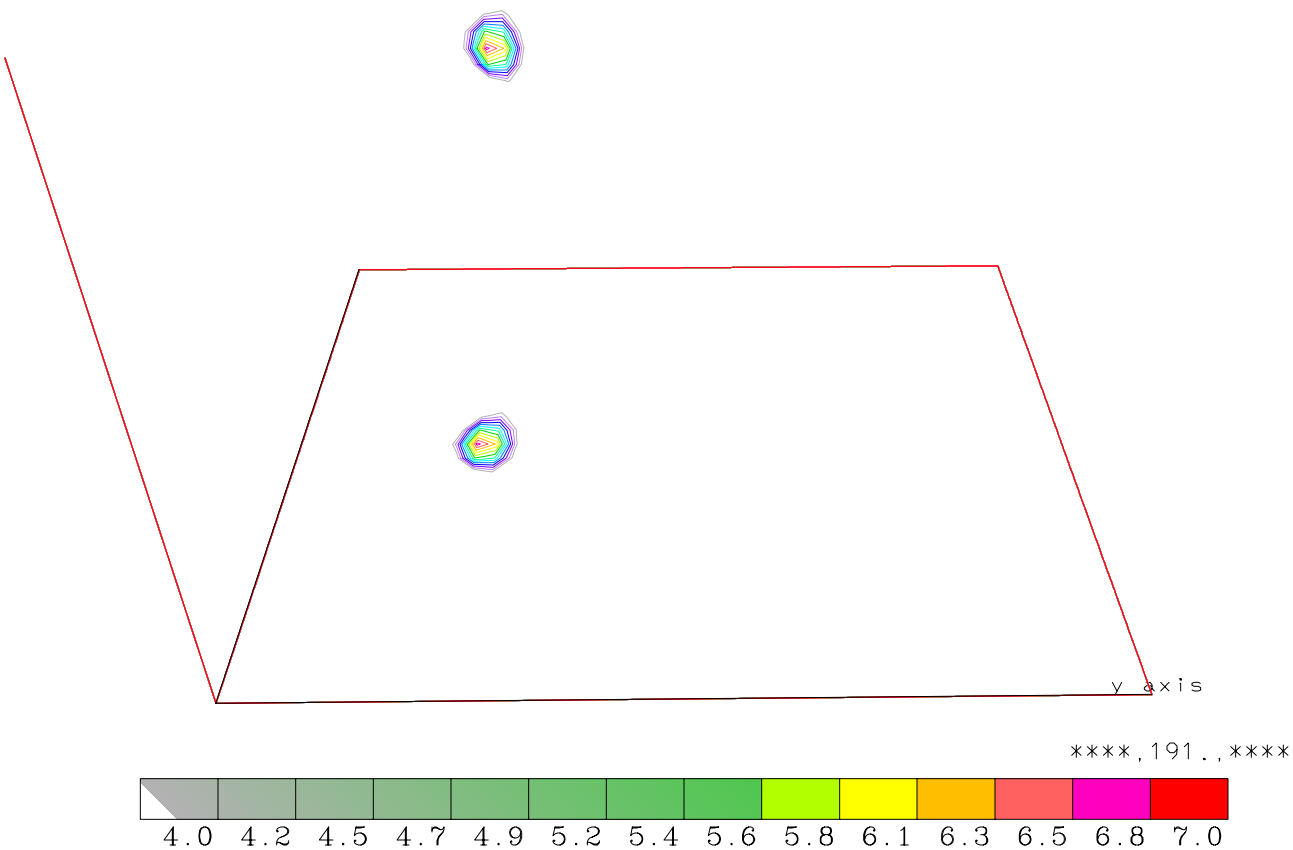
o den vt ut = 0.38

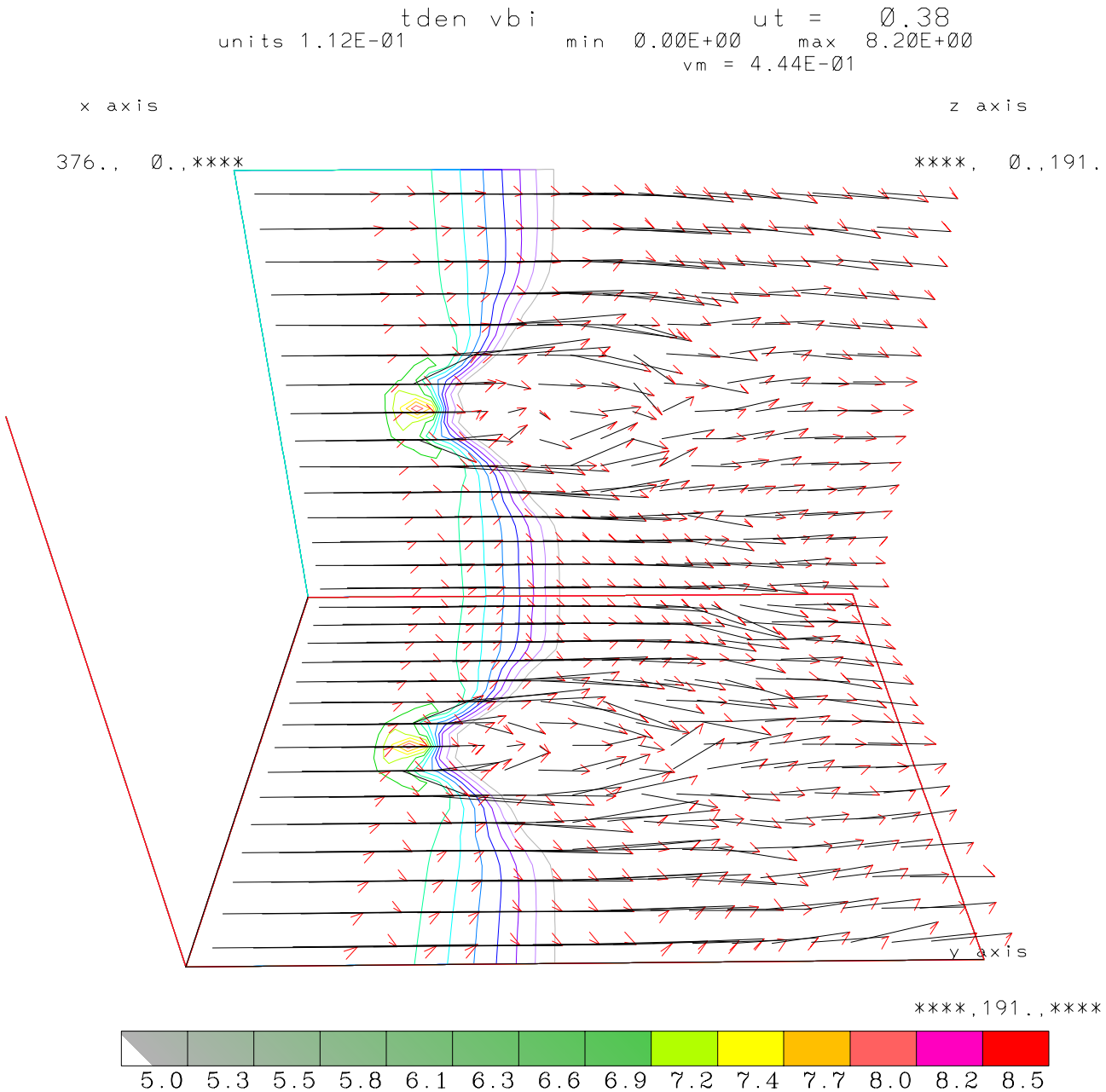
units 1.12E-01 min 0.00E+00 max 6.86E+00

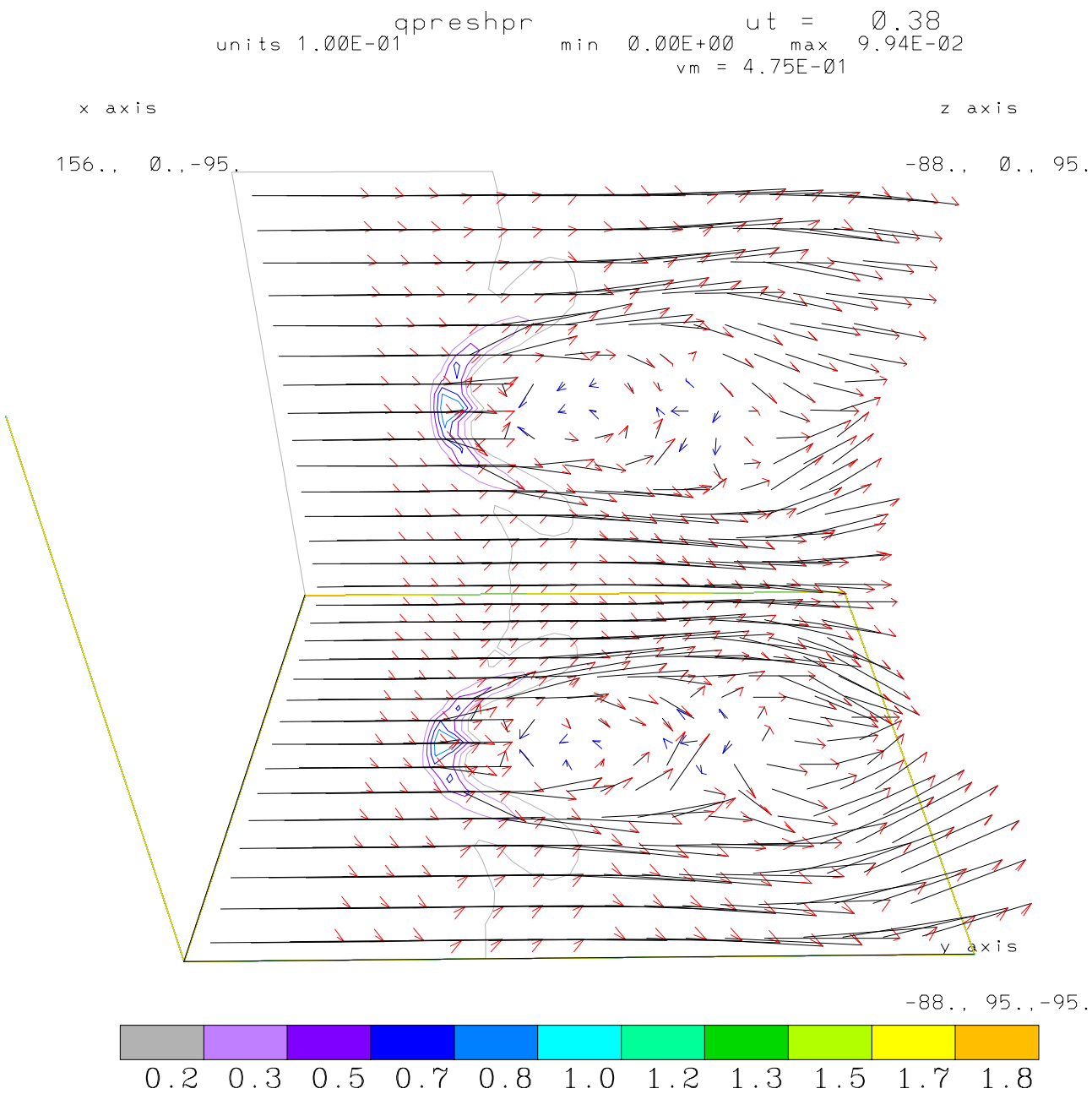
vm = 4.00E-05

x axis z axis

376., 0.,**** ****, 0.,191.




tden vbi
ut = 0.38
units 1.12E-01
min 0.00E+00
max 8.20E+00
vm = 4.44E-01
x axis
z axis
376., 0.,****
****, 0.,191.
y axis
****,191.,****
5.0 5.3 5.5 5.8 6.1 6.3 6.6 6.9 7.2 7.4 7.7 8.0 8.2 8.5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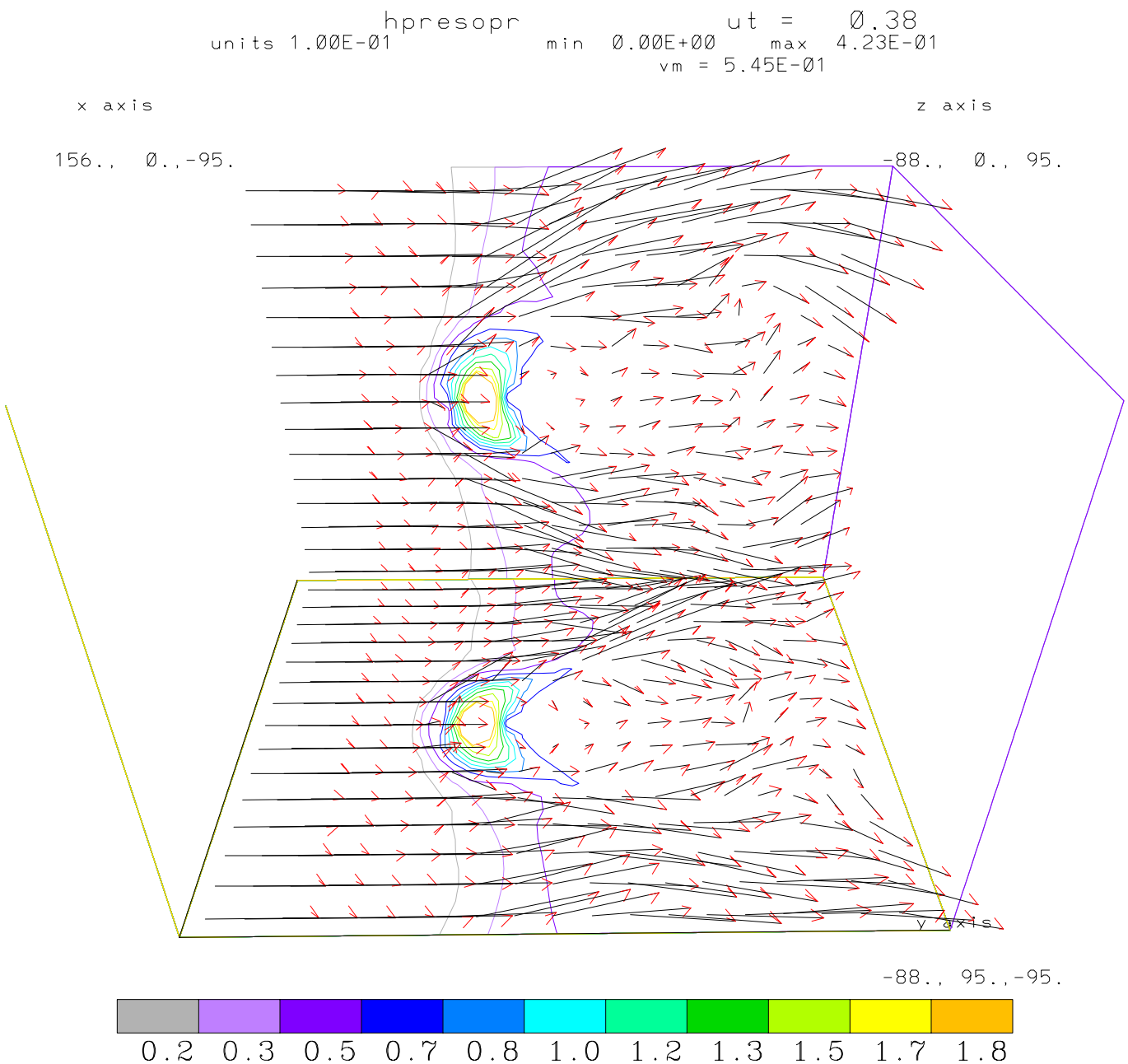
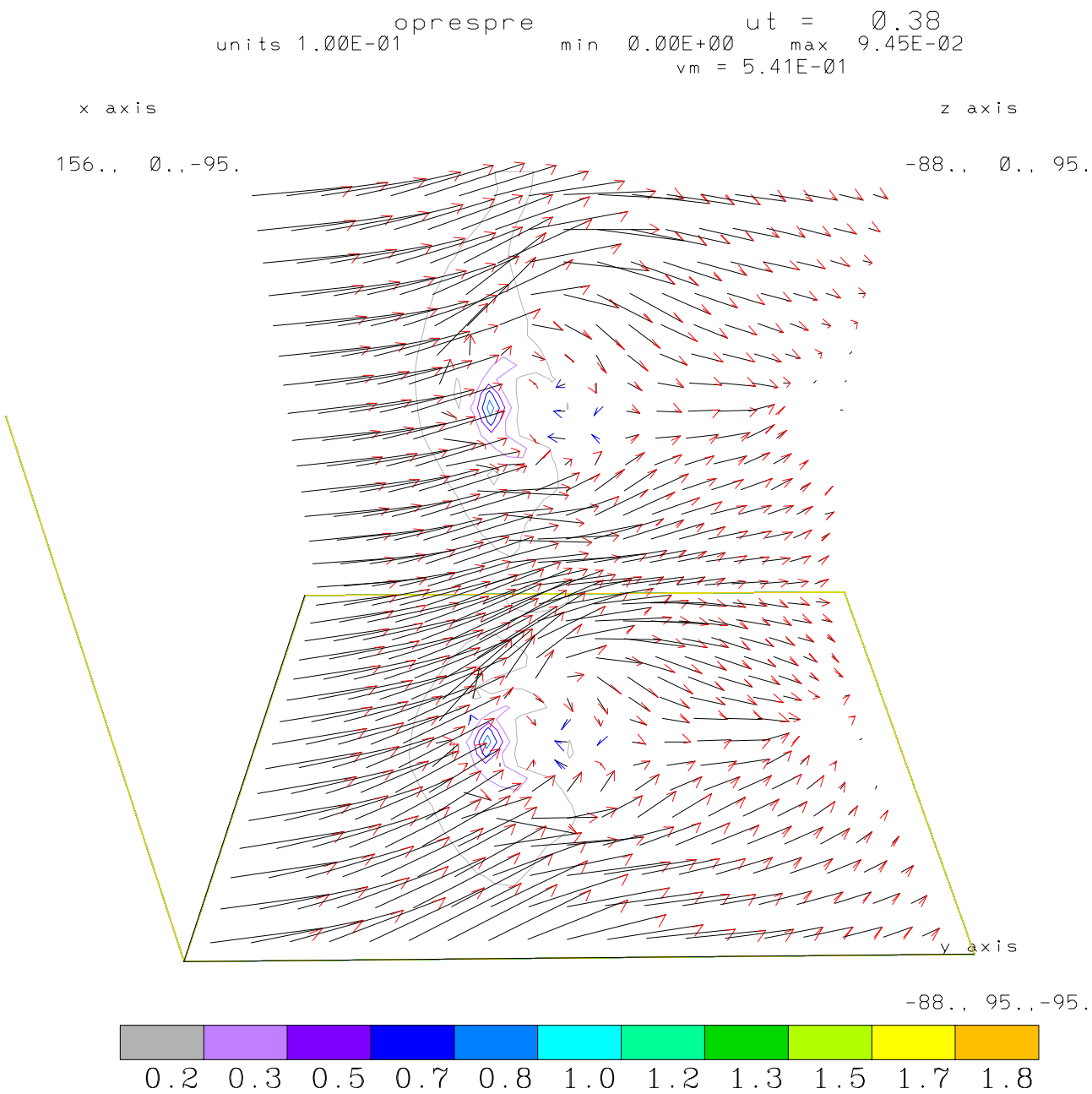
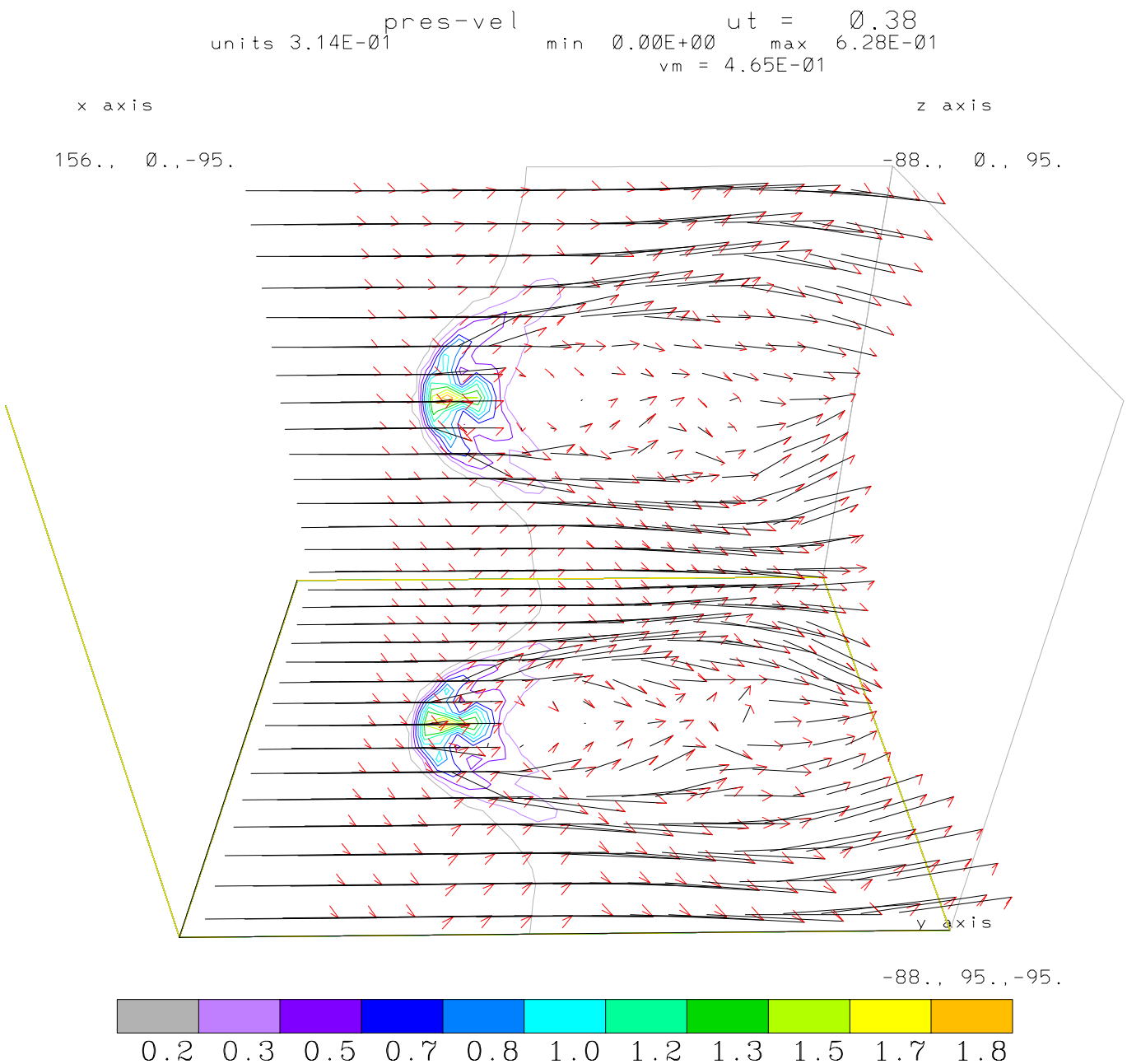
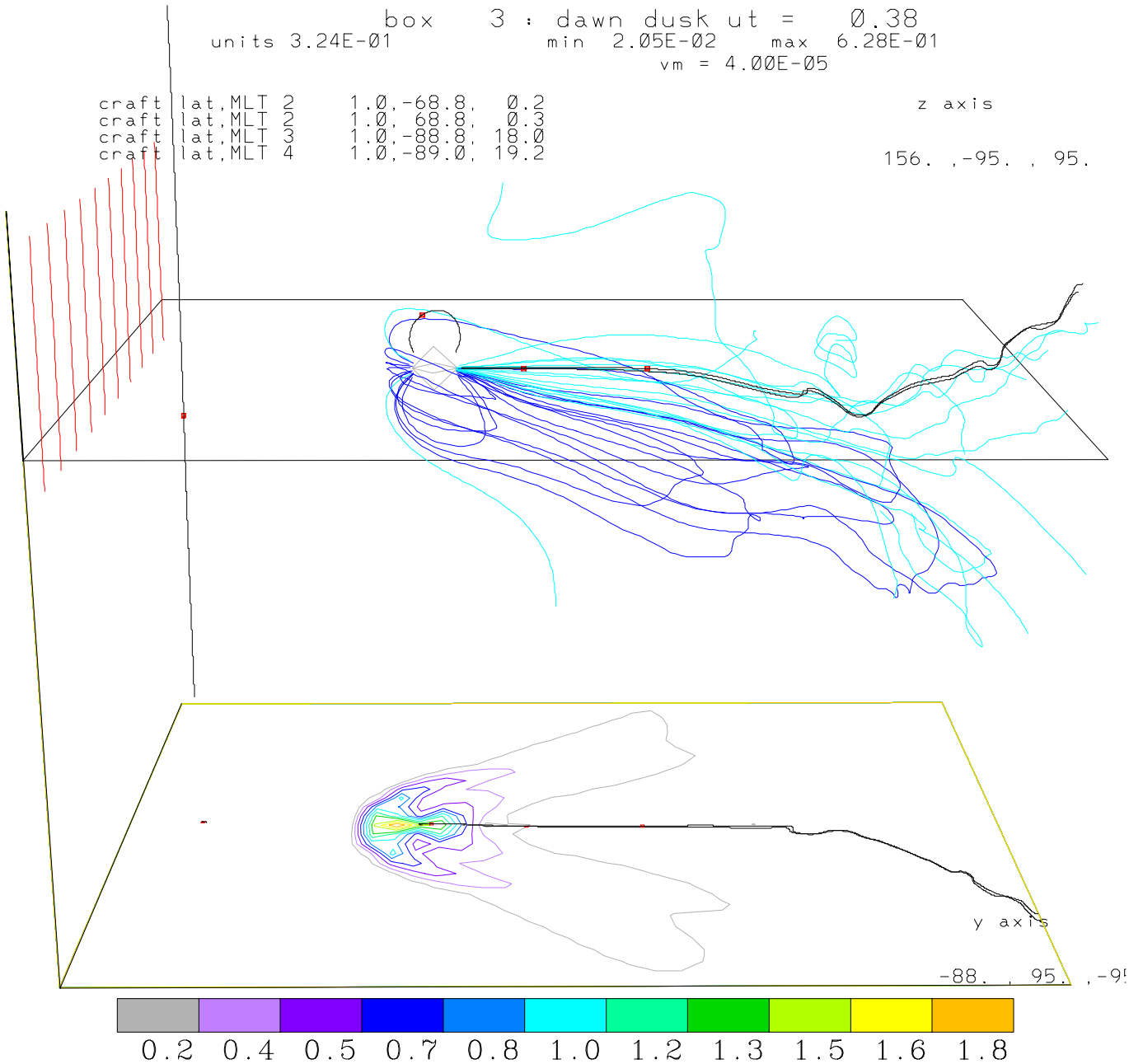
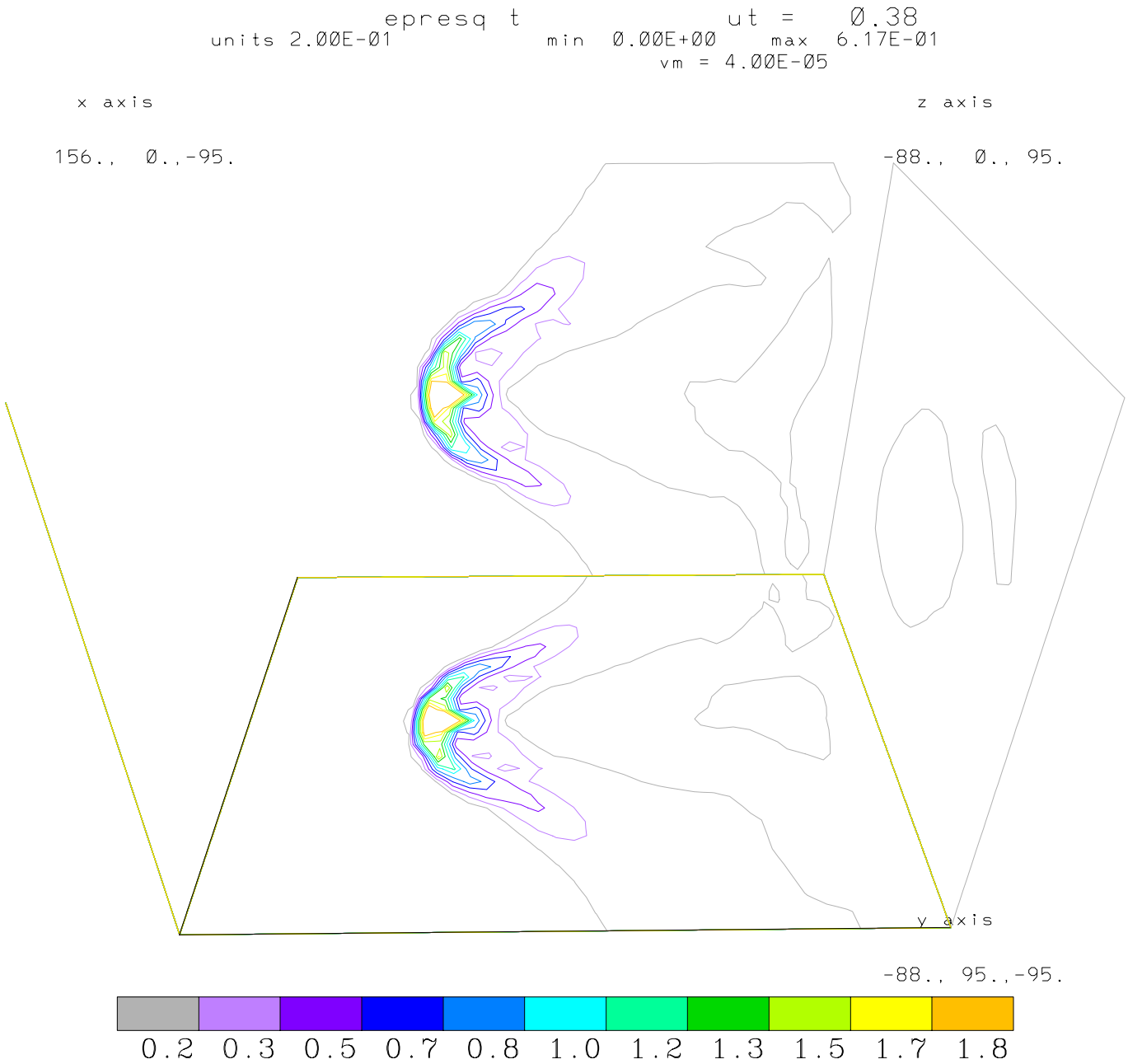
units 1.00E-01
min 0.00E+00
max 9.94E-02
vm = 4.75E-01
x axis
z axis
156., 0.,-95.
-88., 0., 95.
y axis
-88., 95.,-95.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


hpresopr
ut = 0.38
units 1.00E-01
min 0.00E+00
max 4.23E-01
vm = 5.45E-01
x axis
z axis
156., 0.,-95.
-88., 0., 95.
y axis
-88., 95.,-95.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


oprespre
ut = 0.38
units 1.00E-01
min 0.00E+00
max 9.45E-02
vm = 5.41E-01
x axis
z axis
156., 0.,-95.
-88., 0., 95.
y axis
-88., 95.,-95.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


pres-vel
ut = 0.38
units 3.14E-01
min 0.00E+00
max 6.28E-01
vm = 4.65E-01
x axis
z axis
156., 0.,-95.
-88., 0., 95.
y axis
-88., 95.,-95.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


box 3 : dawn dusk ut = 0.38
units 3.24E-01
min 2.05E-02 max 6.28E-01
vm = 4.00E-05
craft lat,MLT 2 1.0,-68.8, 0.2
craft lat,MLT 2 1.0, 68.8, 0.3
craft lat,MLT 3 1.0,-88.8, 18.0
craft lat,MLT 4 1.0,-89.0, 19.2
z axis
156. ,-95. , 95.
y axis
-88. , 95. ,-9
0.2 0.4 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.6 1.8


epresq t
ut = 0.38
units 2.00E-01
min 0.00E+00
max 6.17E-01
vm = 4.00E-05
x axis
z axis
156., 0.,-95.
-88., 0., 95.
y axis
-88., 95.,-95.
0.2
0.3
0.5
0.7
0.8
1.0
1.2
1.3
1.5
1.7
1.8

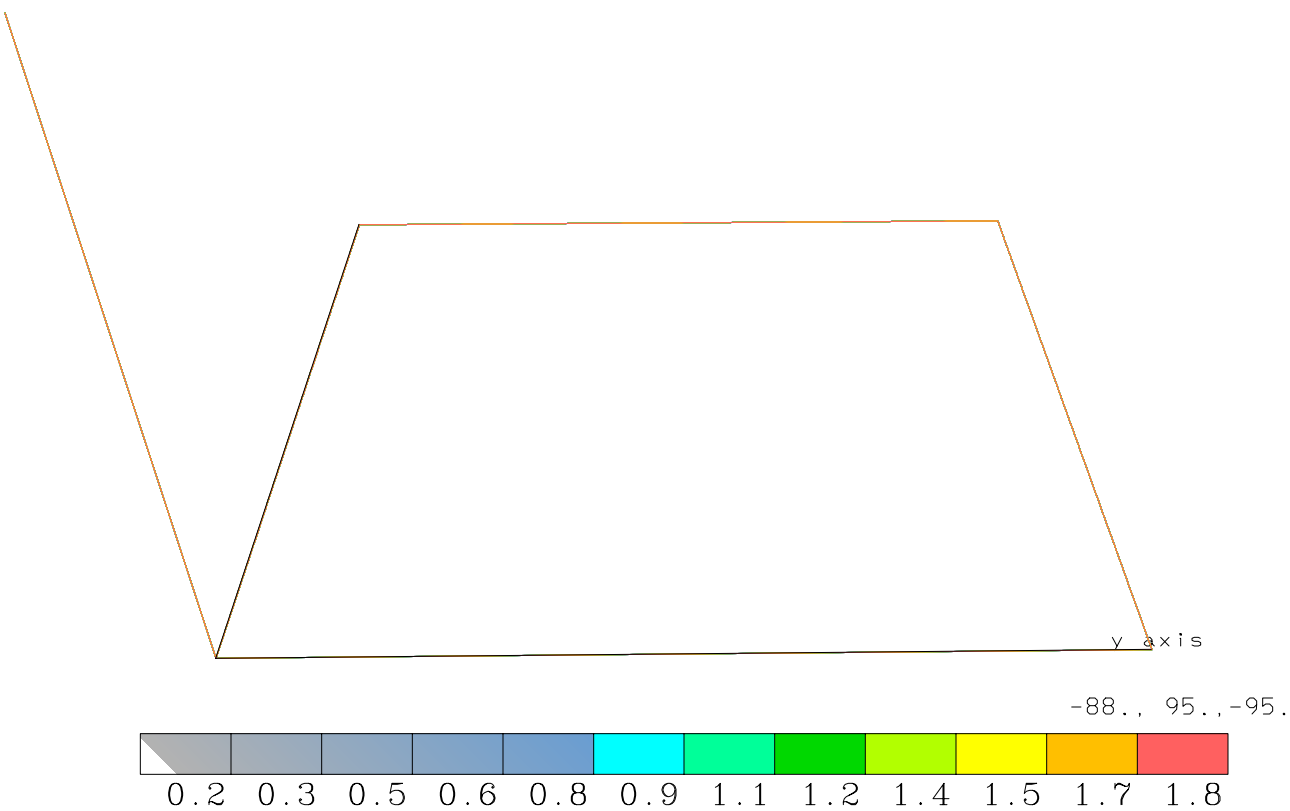
q temph ut = 0.38

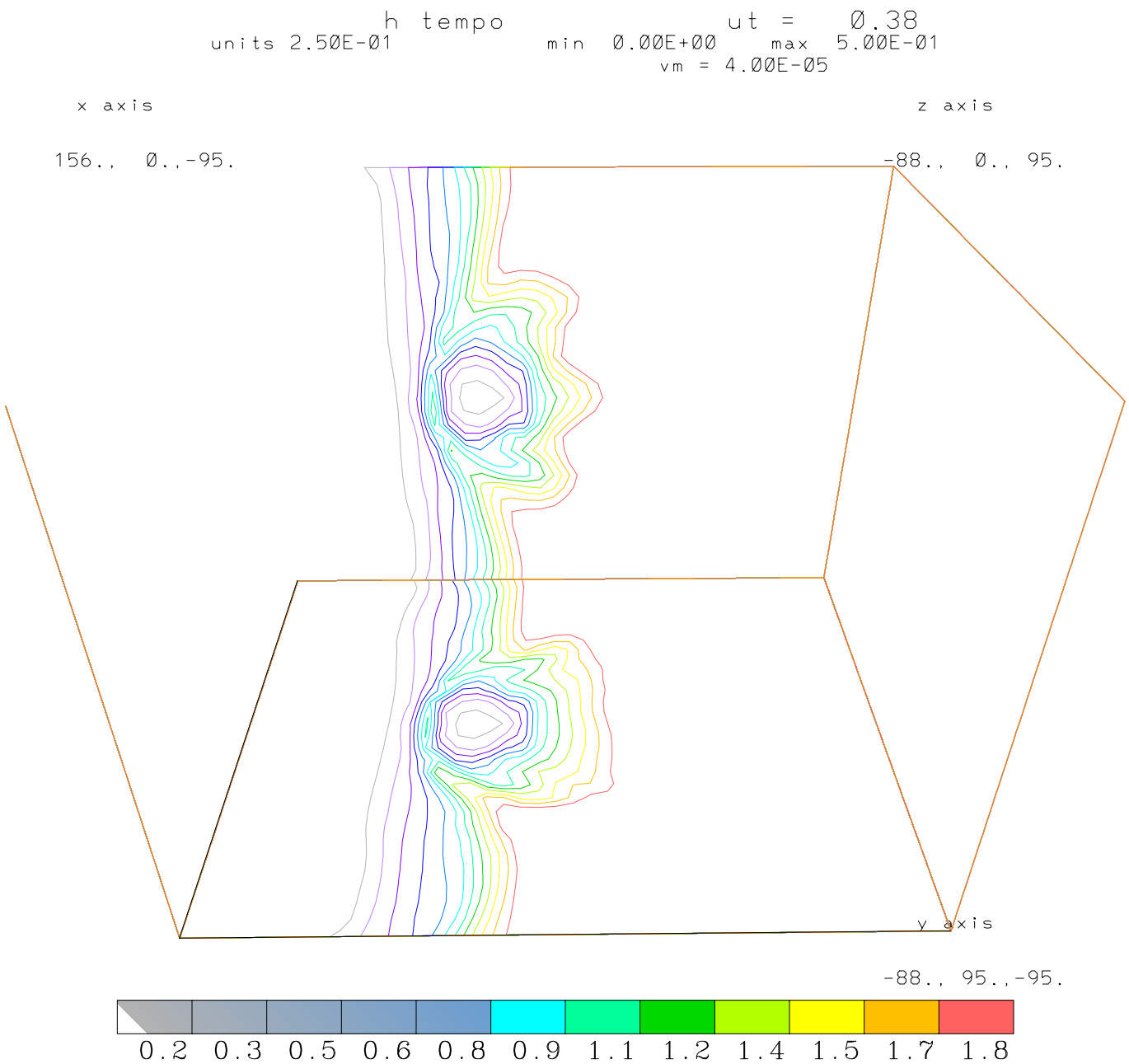
units 2.50E-01 min 0.00E+00 max 3.05E-02

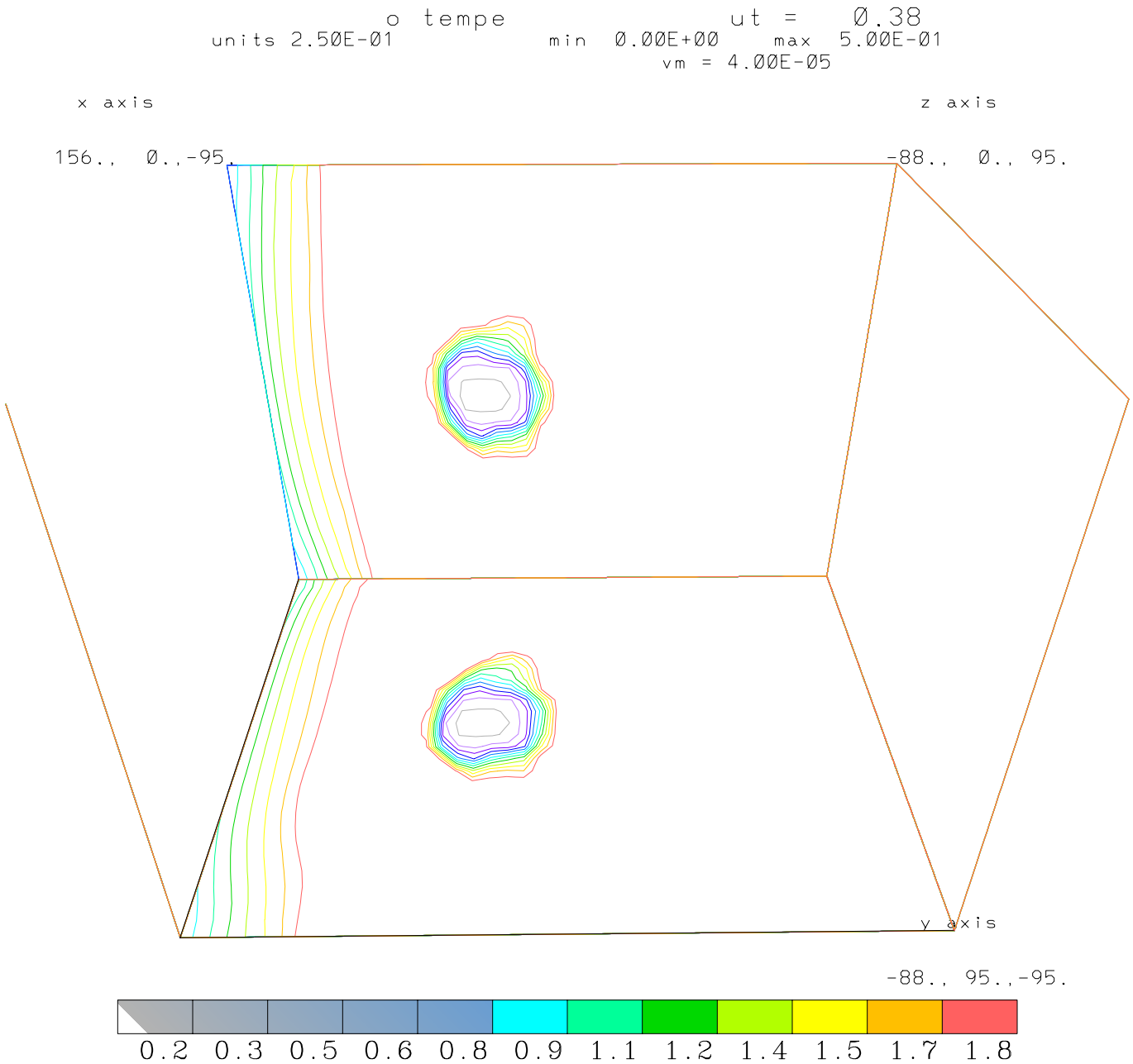
vm = 4.00E-05

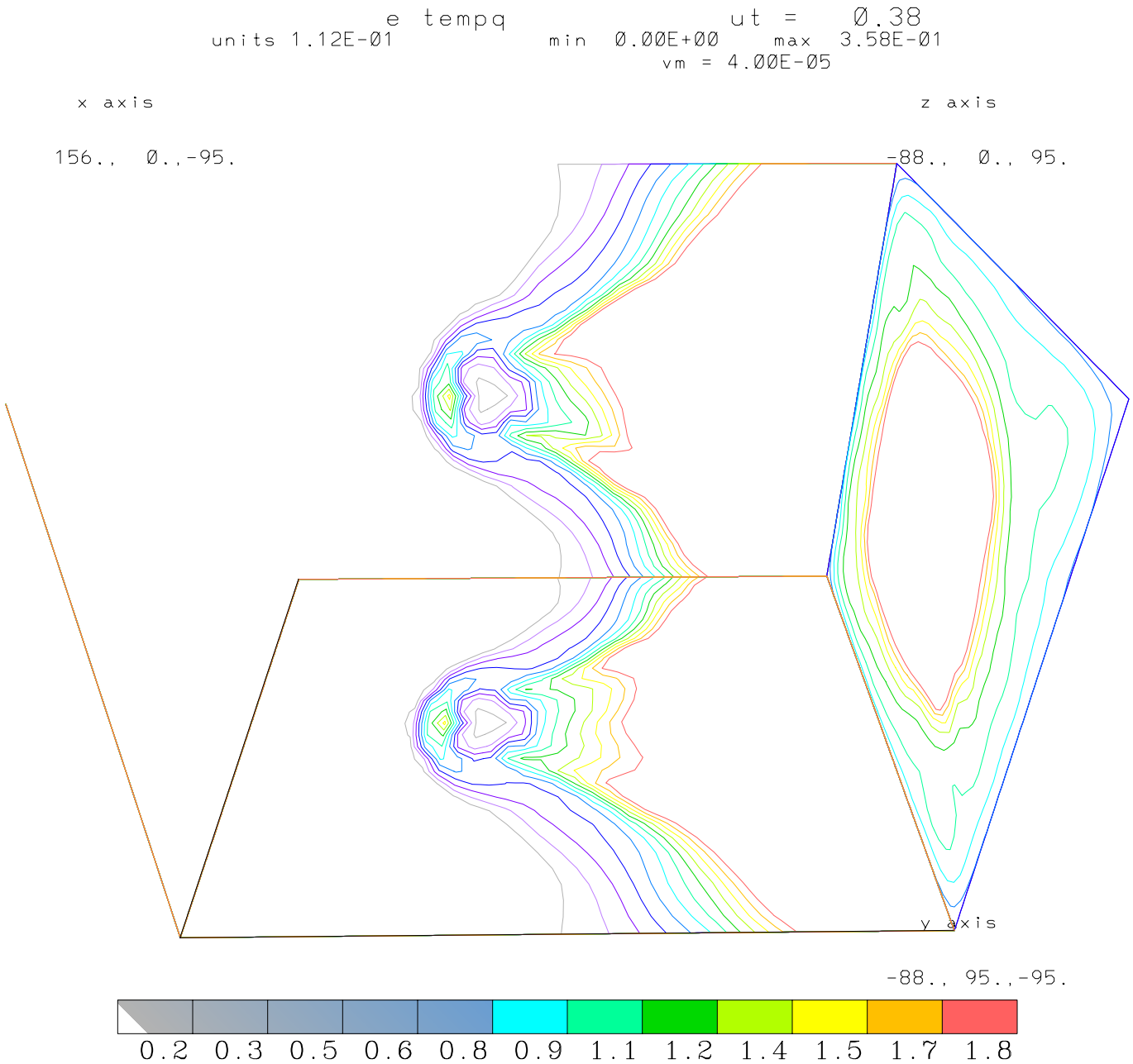
x axis z axis

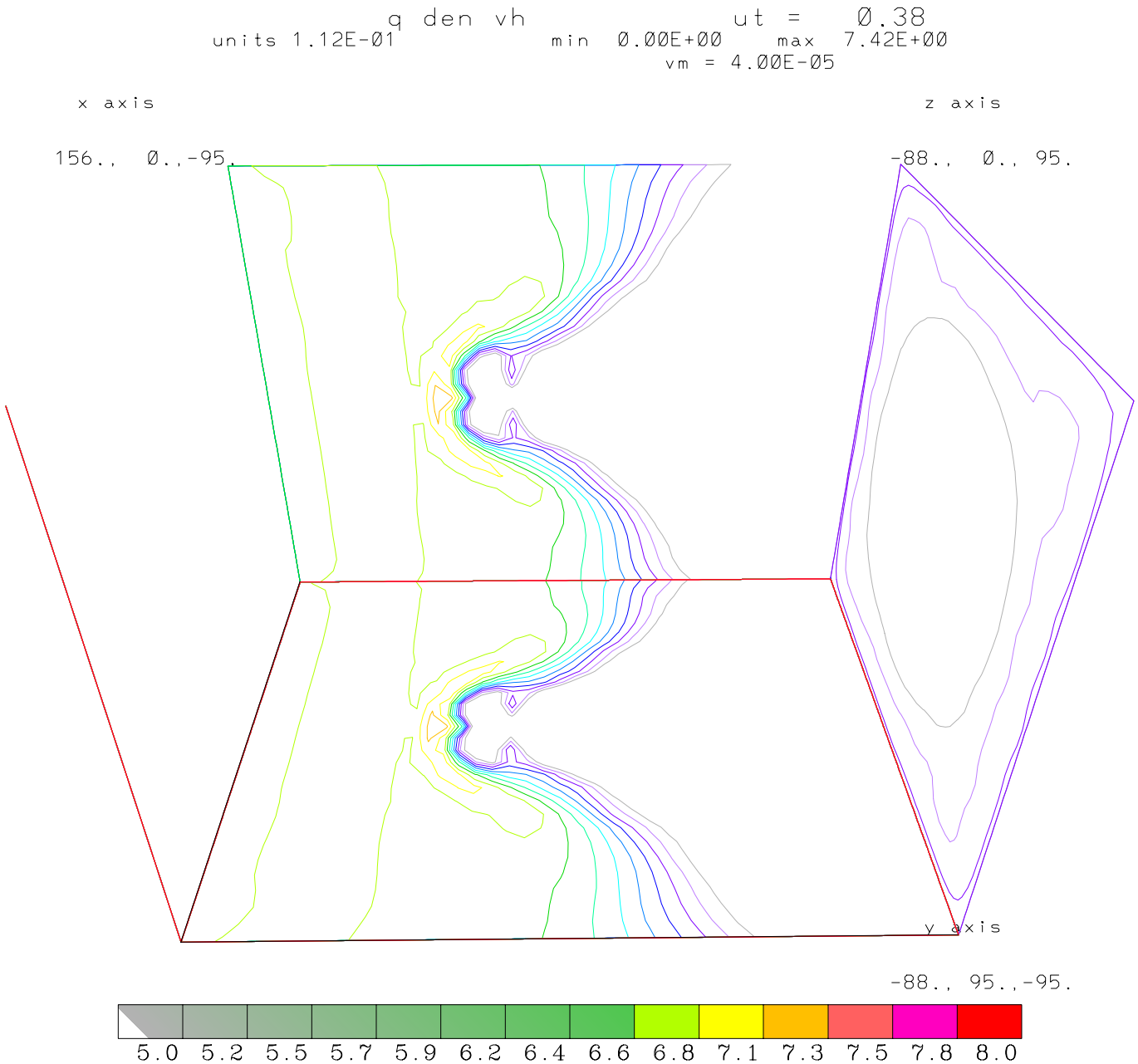
156., 0.,-95. -88., 0., 95.

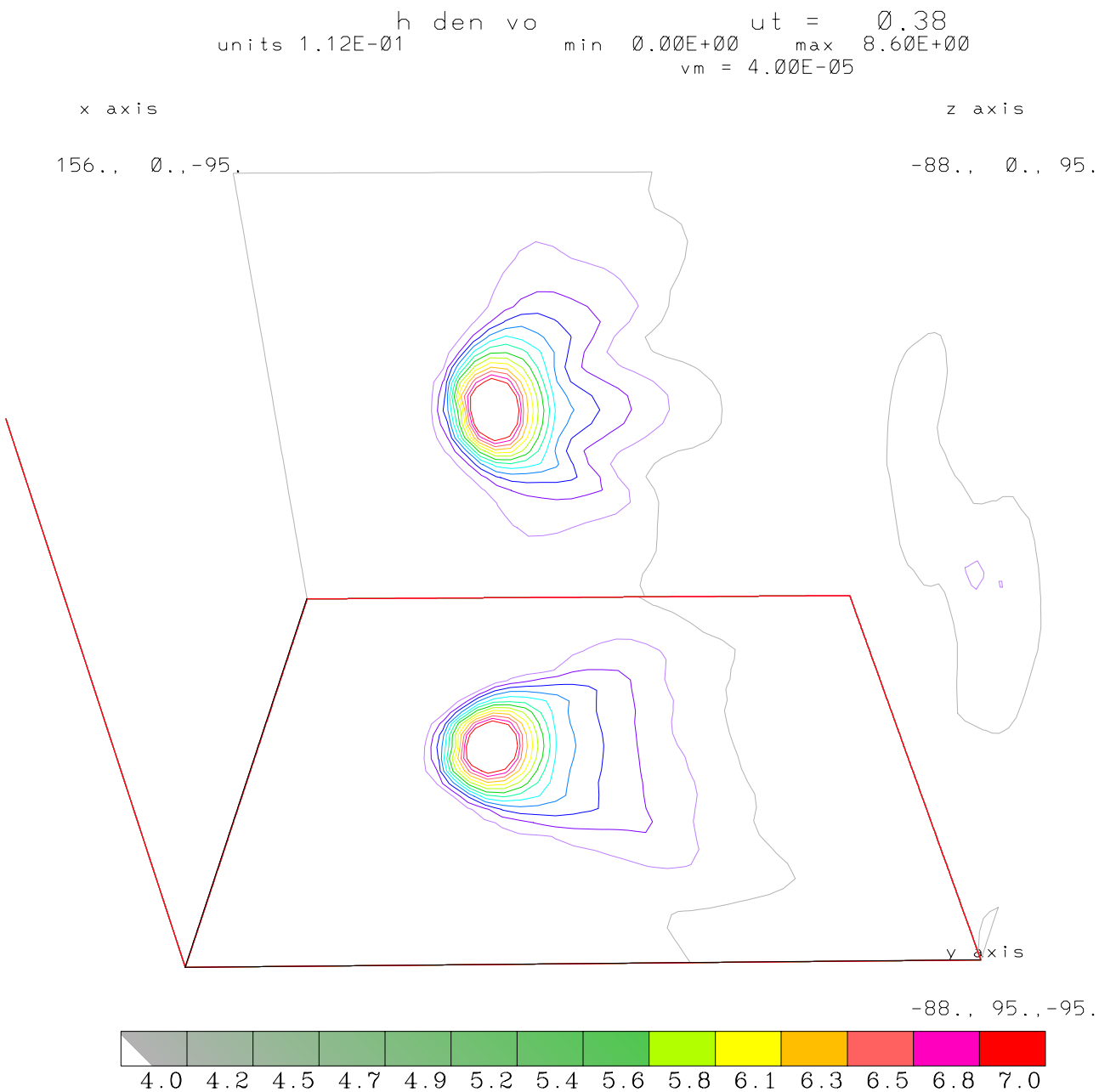


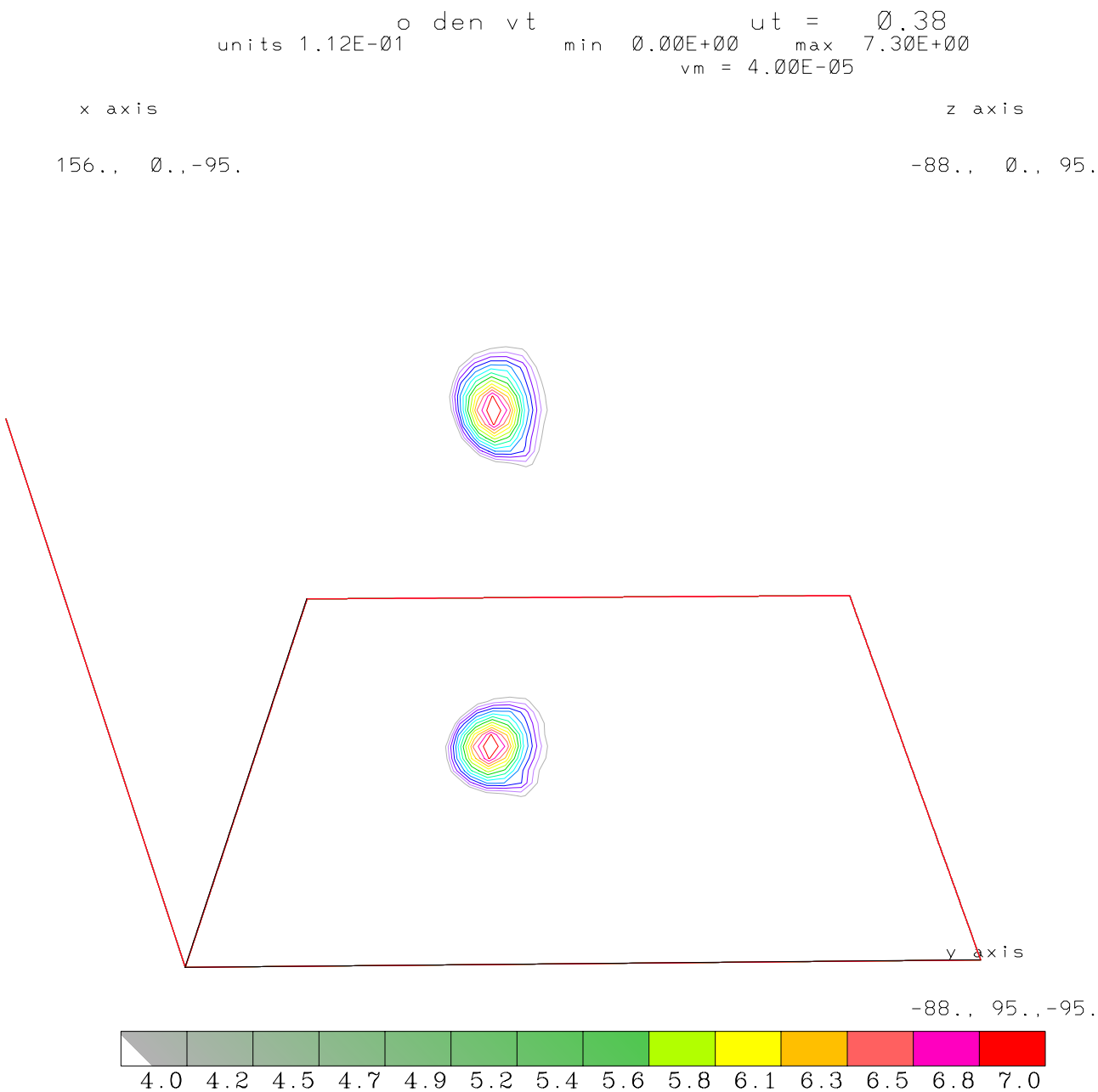

h tempo
ut = 0.38
units 2.50E-01
min 0.00E+00
max 5.00E-01
vm = 4.00E-05
x axis
z axis
156., 0.,-95.
-88., 0., 95.
y axis
-88., 95.,-95.
0.2 0.3 0.5 0.6 0.8 0.9 1.1 1.2 1.4 1.5 1.7 1.8

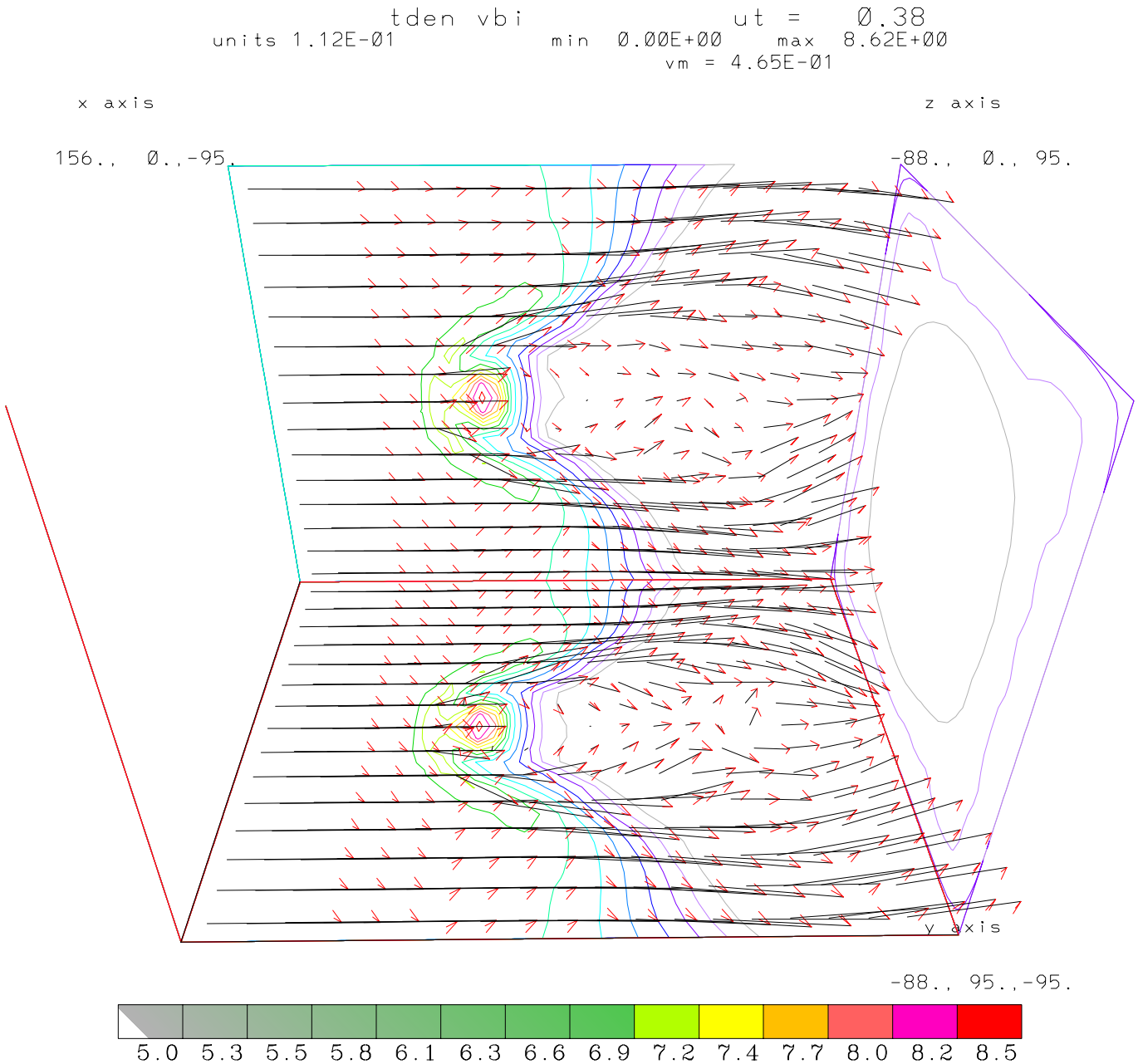

o tempe
ut = 0.38
units 2.50E-01
min 0.00E+00
max 5.00E-01
vm = 4.00E-05
x axis
z axis
156., 0.,-95.
-88., 0., 95.
y axis
-88., 95.,-95.
0.2 0.3 0.5 0.6 0.8 0.9 1.1 1.2 1.4 1.5 1.7 1.8

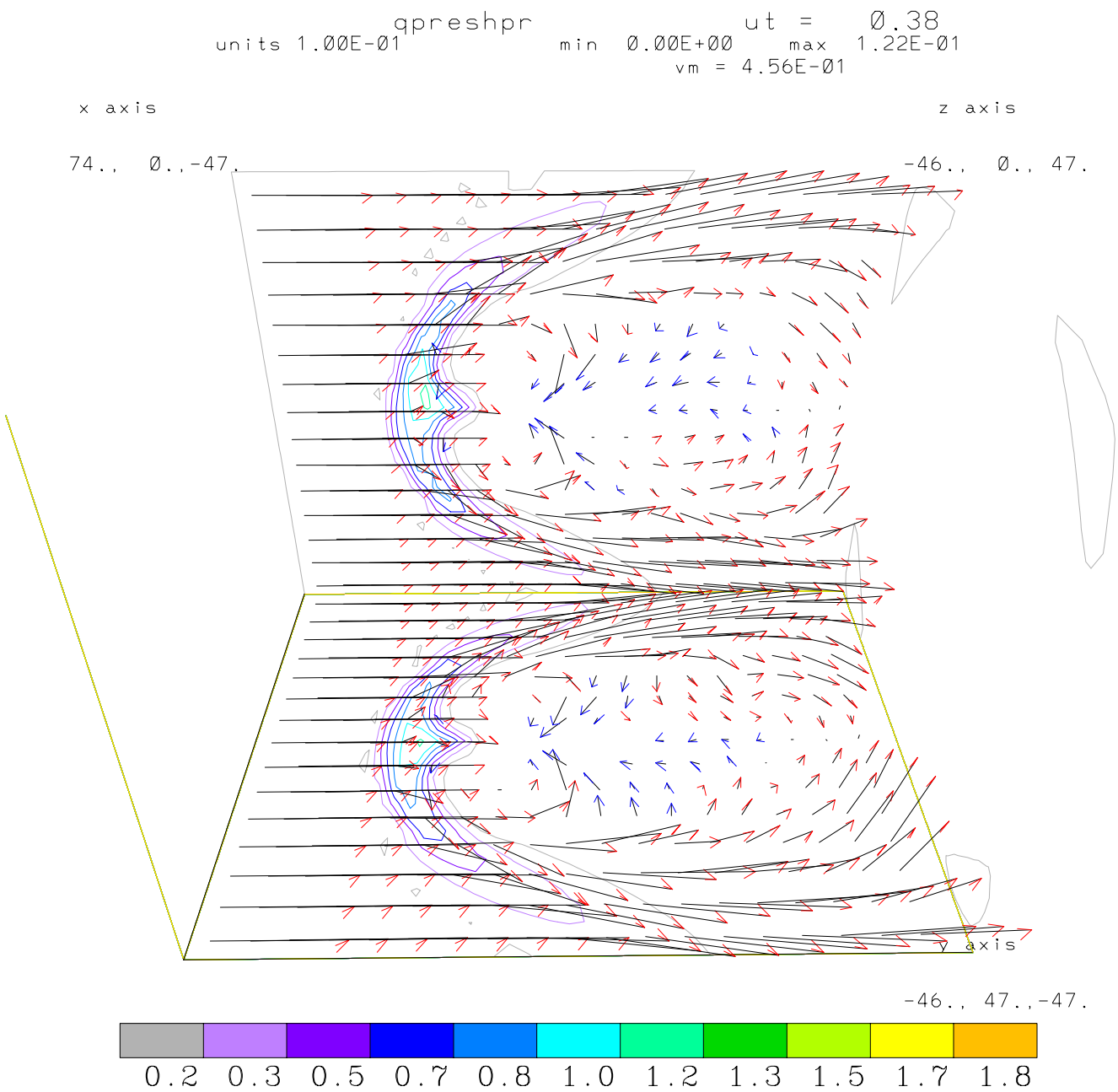

e tempq
ut = 0.38
units 1.12E-01
min 0.00E+00
max 3.58E-01
vm = 4.00E-05
x axis
z axis
156., 0.,-95.
-88., 0., 95.
y axis
-88., 95.,-95.
0.2 0.3 0.5 0.6 0.8 0.9 1.1 1.2 1.4 1.5 1.7 1.8

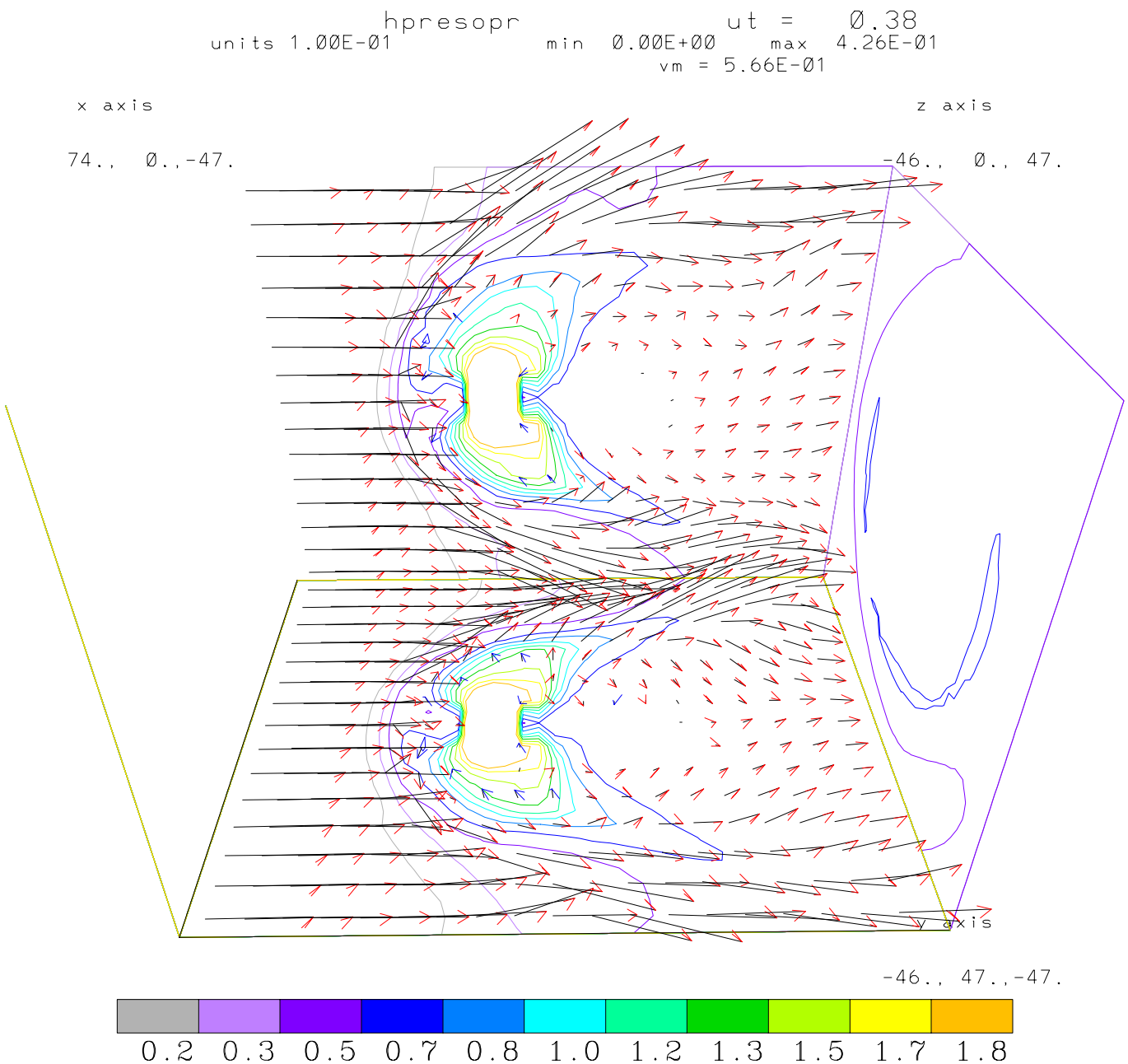

q den vh
ut = 0.38
units 1.12E-01
min 0.00E+00
max 7.42E+00
vm = 4.00E-05
x axis
z axis
156., 0.,-95.
-88., 0., 95.
y axis
-88., 95.,-95.
5.0 5.2 5.5 5.7 5.9 6.2 6.4 6.6 6.8 7.1 7.3 7.5 7.8 8.0

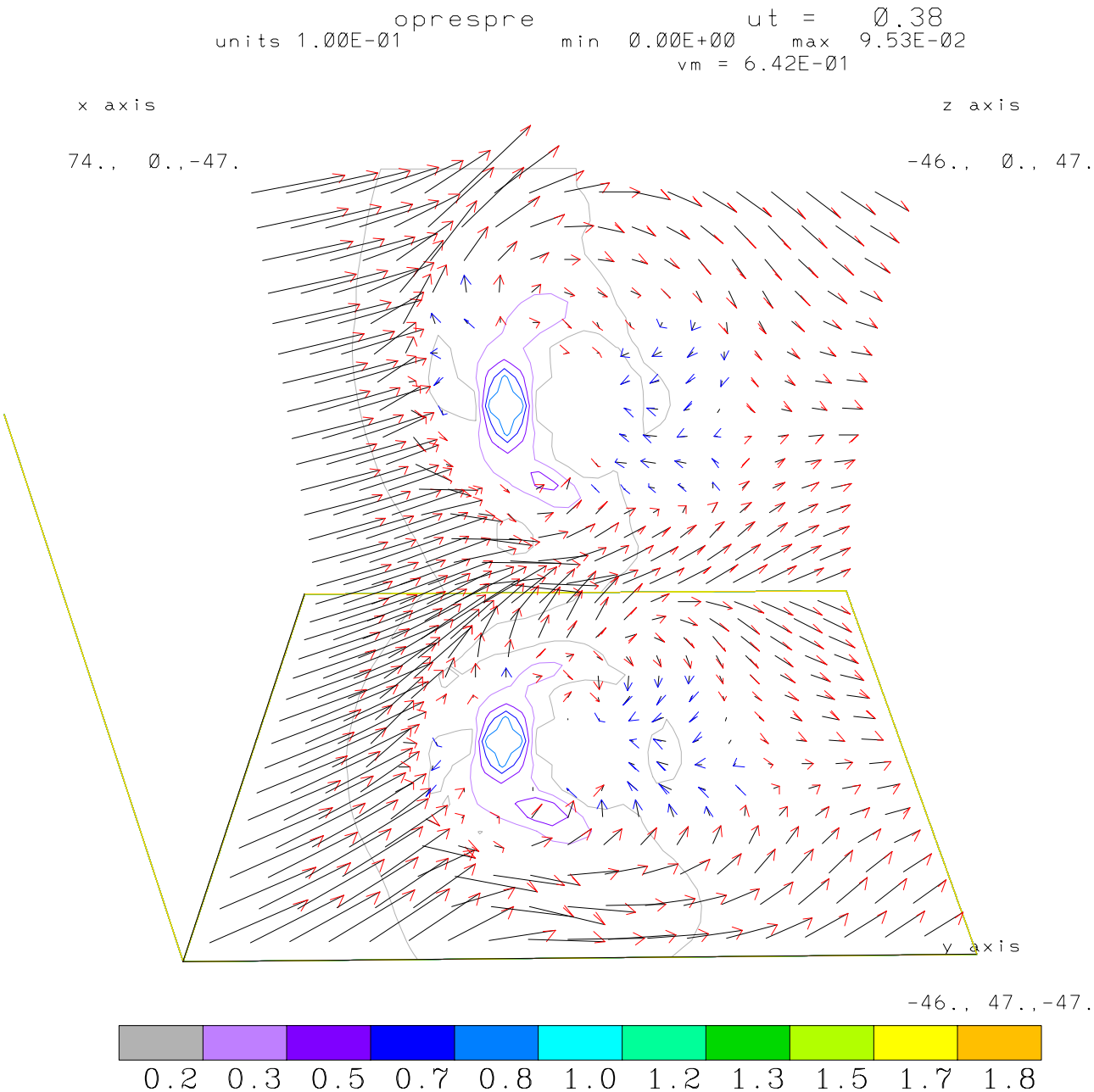

h den vo ut = 0.38
units 1.12E-01 min 0.00E+00 max 8.60E+00
vm = 4.00E-05
x axis
z axis
156., 0.,-95.
-88., 0., 95.
y axis
-88., 95.,-95.
4.0 4.2 4.5 4.7 4.9 5.2 5.4 5.6 5.8 6.1 6.3 6.5 6.8 7.0

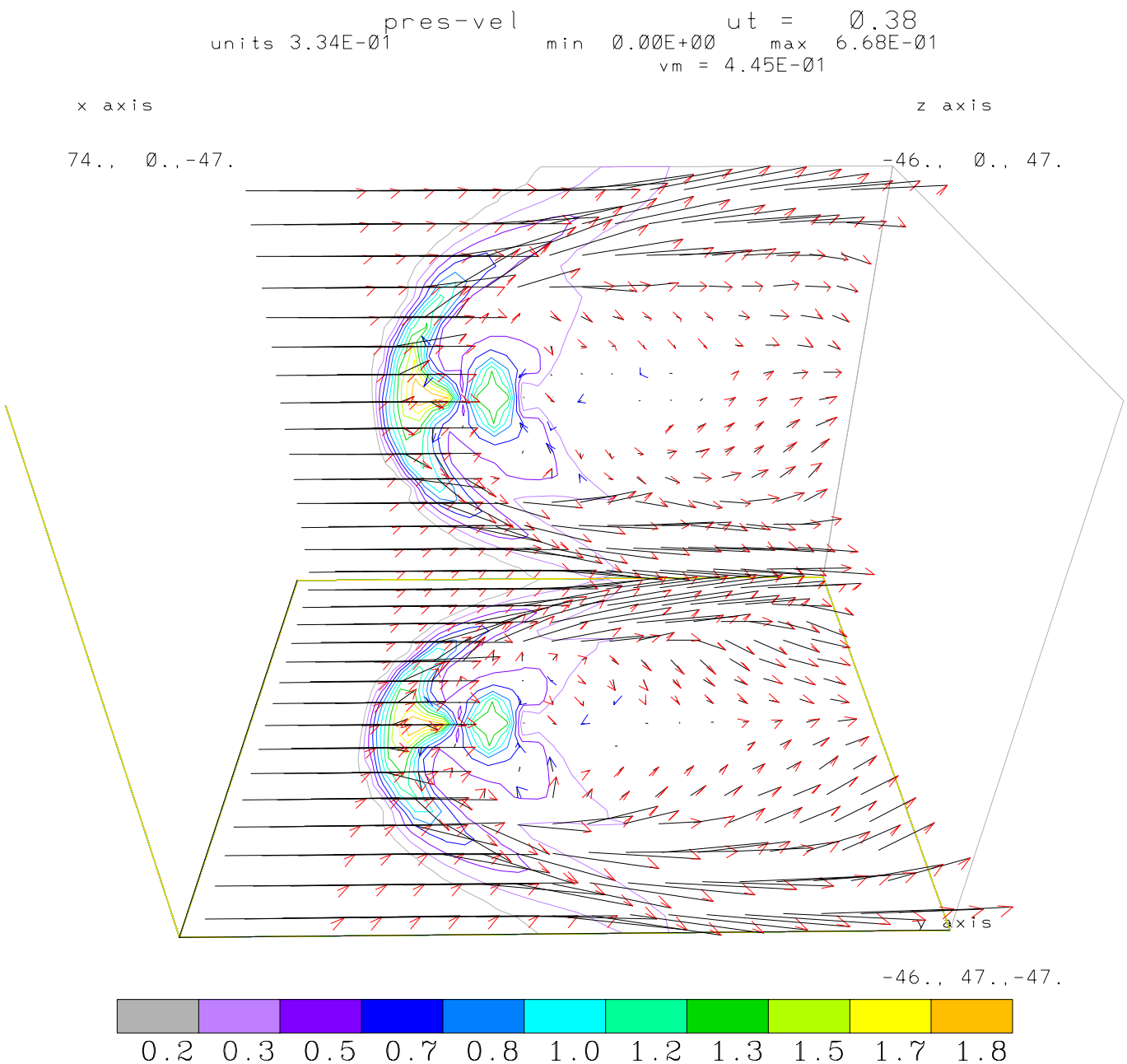

o den vt
ut = 0.38
units 1.12E-01
min 0.00E+00
max 7.30E+00
vm = 4.00E-05
x axis
z axis
156., 0.,-95.
-88., 0., 95.
y axis
-88., 95.,-95.
4.0 4.2 4.5 4.7 4.9 5.2 5.4 5.6 5.8 6.1 6.3 6.5 6.8 7.0


tden vbi
ut = 0.38
units 1.12E-01
min 0.00E+00
max 8.62E+00
vm = 4.65E-01
x axis
z axis
156., 0.,-95.
-88., 0., 95.
y axis
-88., 95.,-95.
5.0 5.3 5.5 5.8 6.1 6.3 6.6 6.9 7.2 7.4 7.7 8.0 8.2 8.5


qpreshpr
ut = 0.38
units 1.00E-01
min 0.00E+00
max 1.22E-01
vm = 4.56E-01
x axis
z axis
74., 0.,-47.
-46., 0., 47.
y axis
-46., 47.,-47.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


hpresopr
ut = 0.38
units 1.00E-01
min 0.00E+00
max 4.26E-01
vm = 5.66E-01
x axis
z axis
74., 0.,-47.
-46., 0., 47.
y axis
-46., 47.,-47.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


oprespre
ut = 0.38
units 1.00E-01
min 0.00E+00
max 9.53E-02
vm = 6.42E-01
x axis
z axis
74., 0.,-47.
-46., 0., 47.
y axis
-46., 47.,-47.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


pres-vel
ut = 0.38
units 3.34E-01
min 0.00E+00
max 6.68E-01
vm = 4.45E-01
x axis
z axis
74., 0.,-47.
-46., 0., 47.
y axis
-46., 47.,-47.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8

box 2 : dawn dusk ut = 0.38

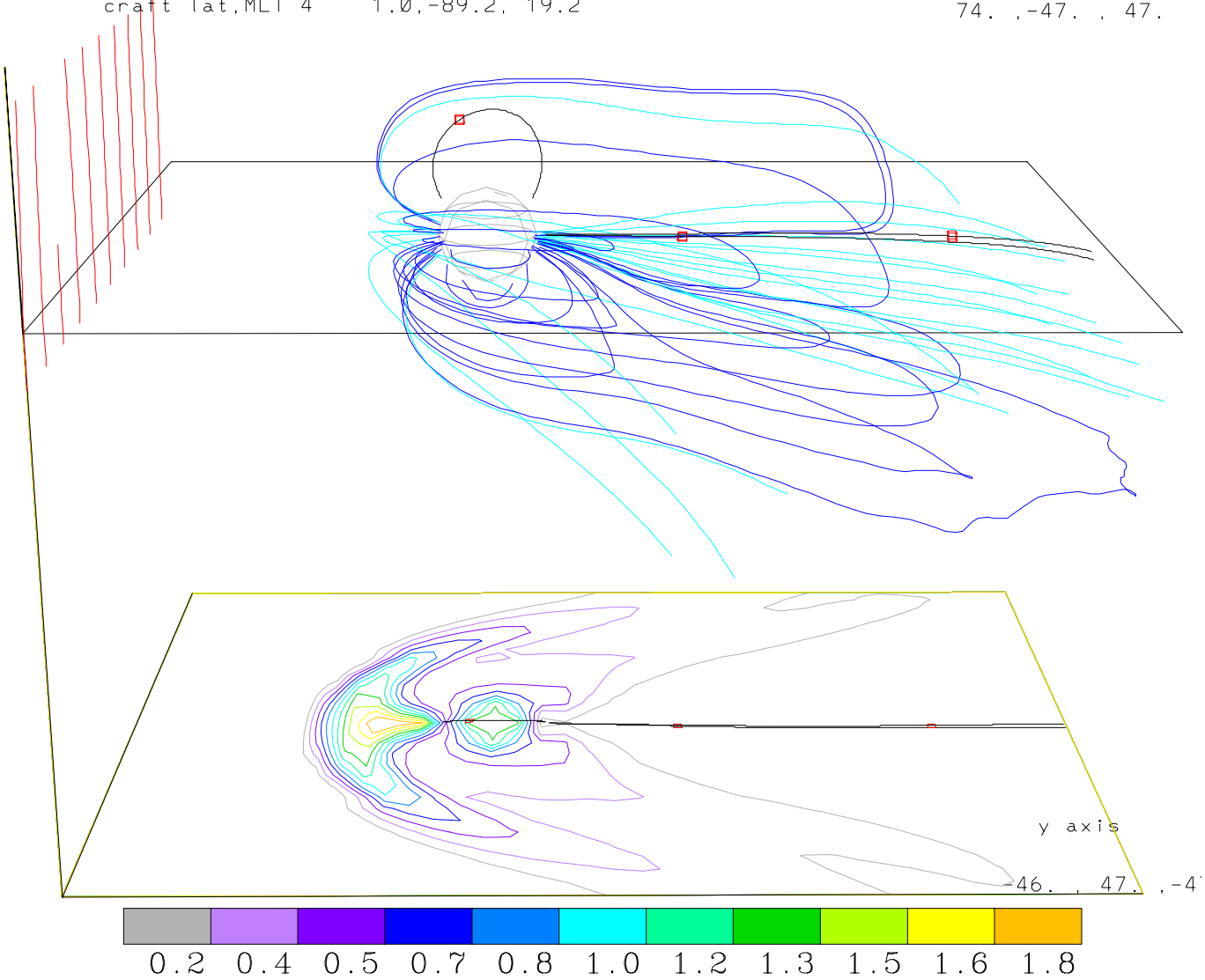
units 3.46E-01 min 2.32E-02 max 6.68E-01

vm = 4.00E-05

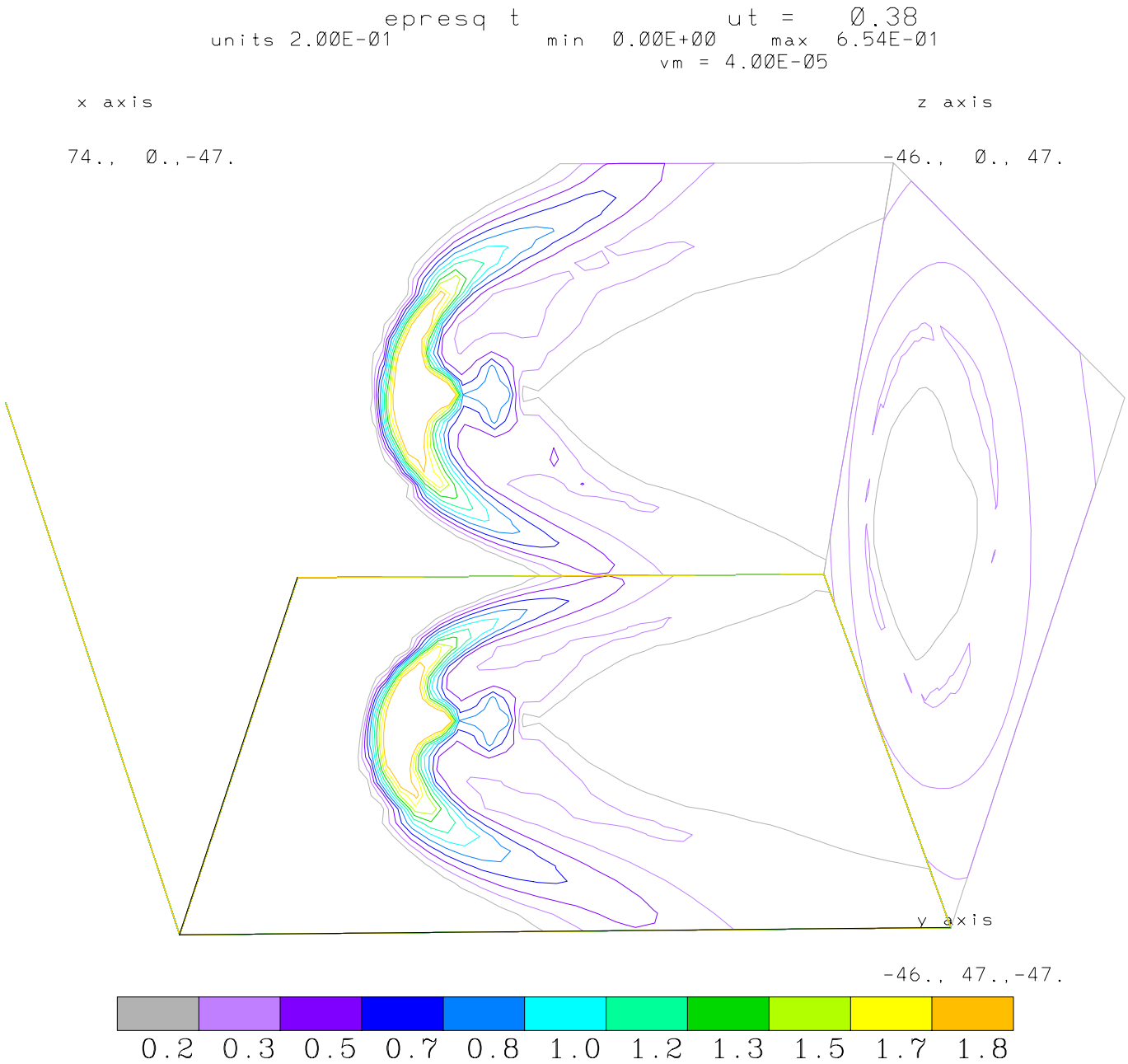
craft lat,MLT 2 1.0,-67.7, 0.2
craft lat,MLT 2 1.0, 67.7, 0.2
craft lat,MLT 3 1.0,-89.0, 18.1
craft lat,MLT 4 1.0,-89.2, 19.2

z axis

74. ,-47. , 47.



0.2 0.4 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.6 1.8


epresq t
ut = 0.38
units 2.00E-01
min 0.00E+00
max 6.54E-01
vm = 4.00E-05
x axis
z axis
74., 0.,-47.
-46., 0., 47.
y axis
-46., 47.,-47.
0.2
0.3
0.5
0.7
0.8
1.0
1.2
1.3
1.5
1.7
1.8

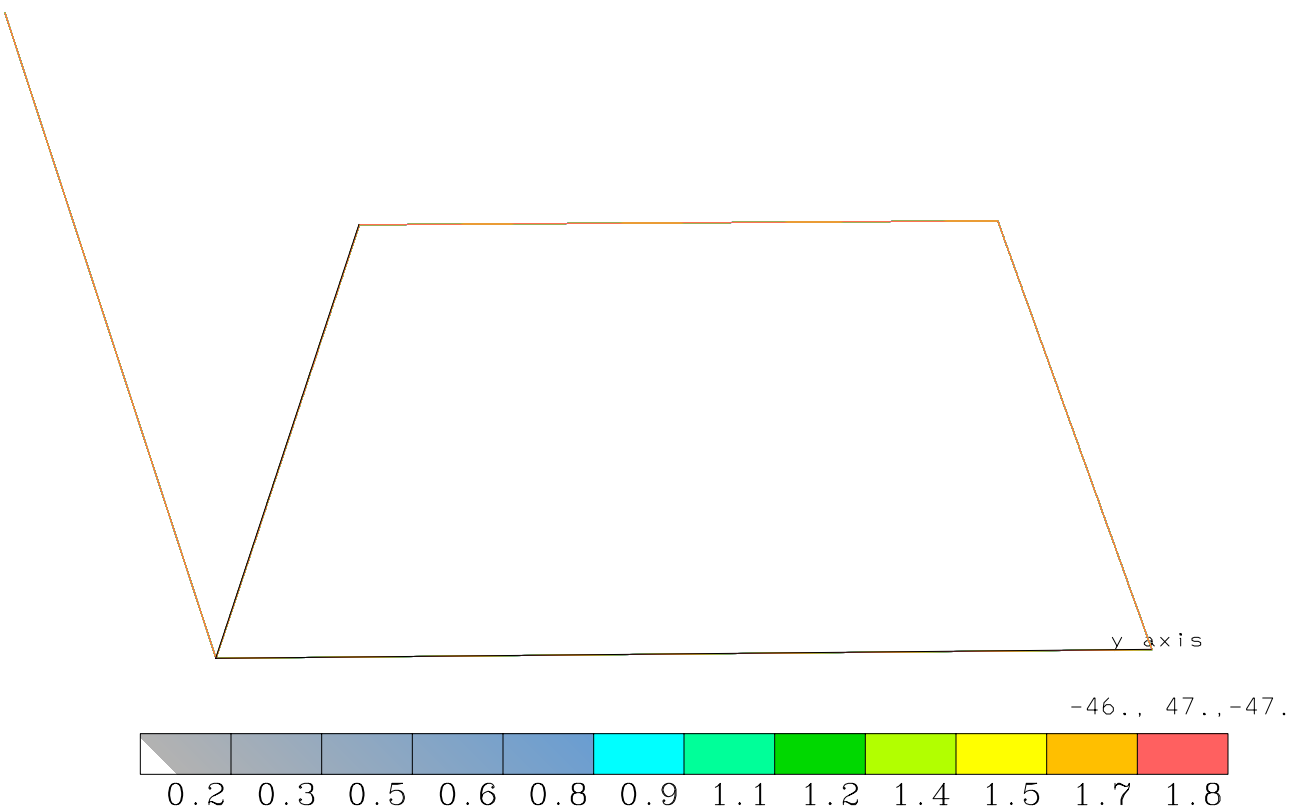
q temph ut = 0.38

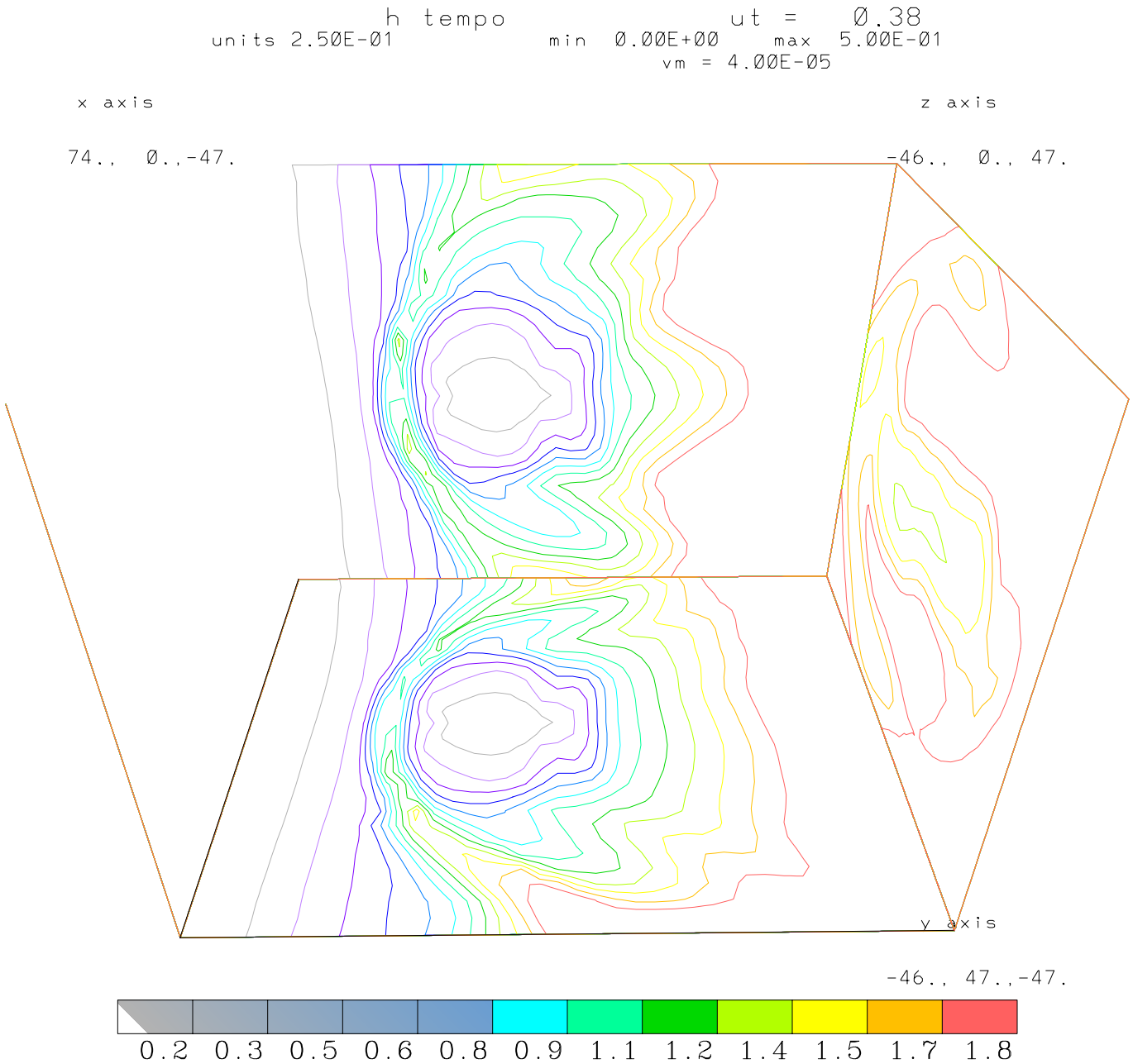
units 2.50E-01 min 0.00E+00 max 3.18E-02

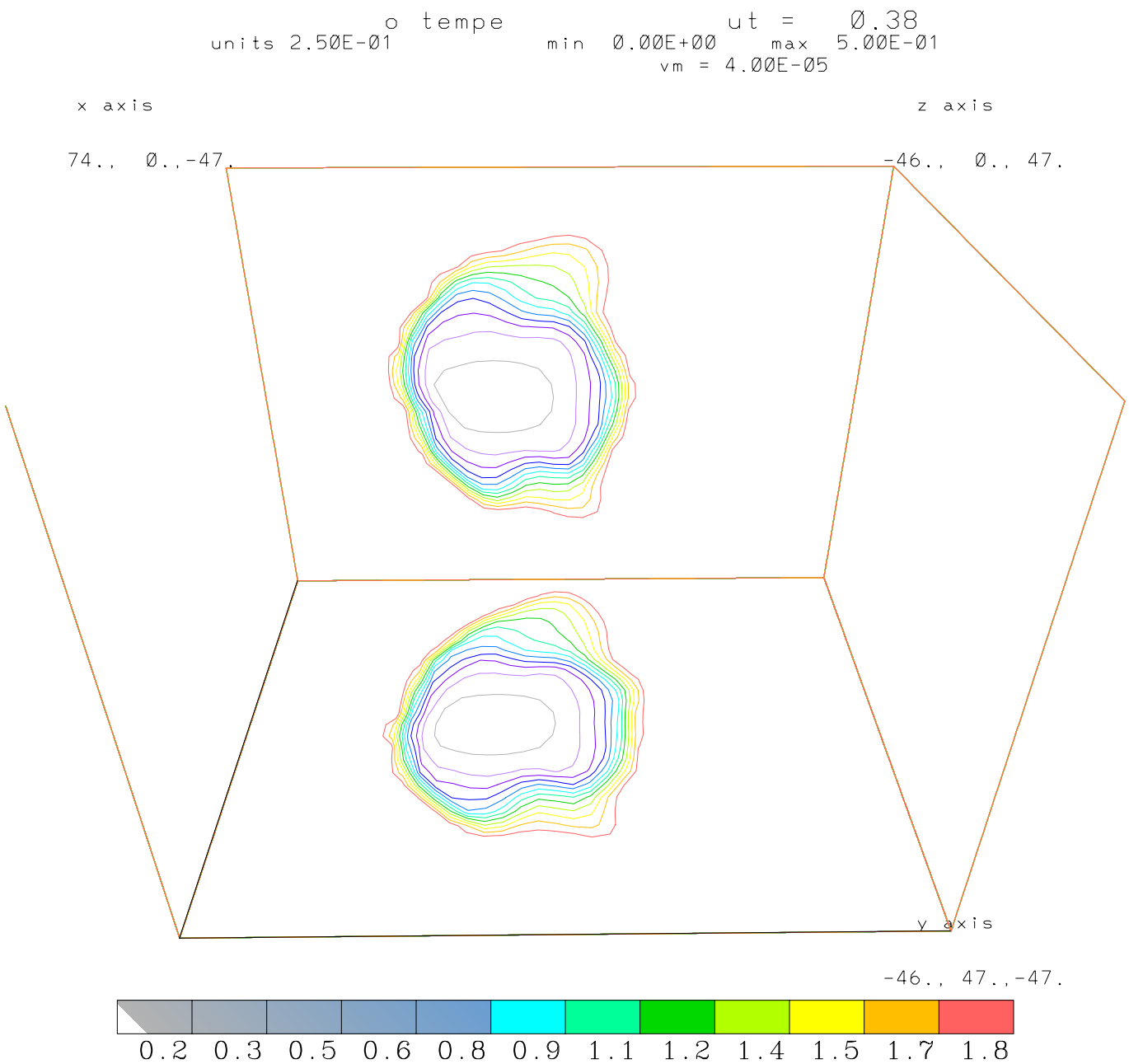
vm = 4.00E-05

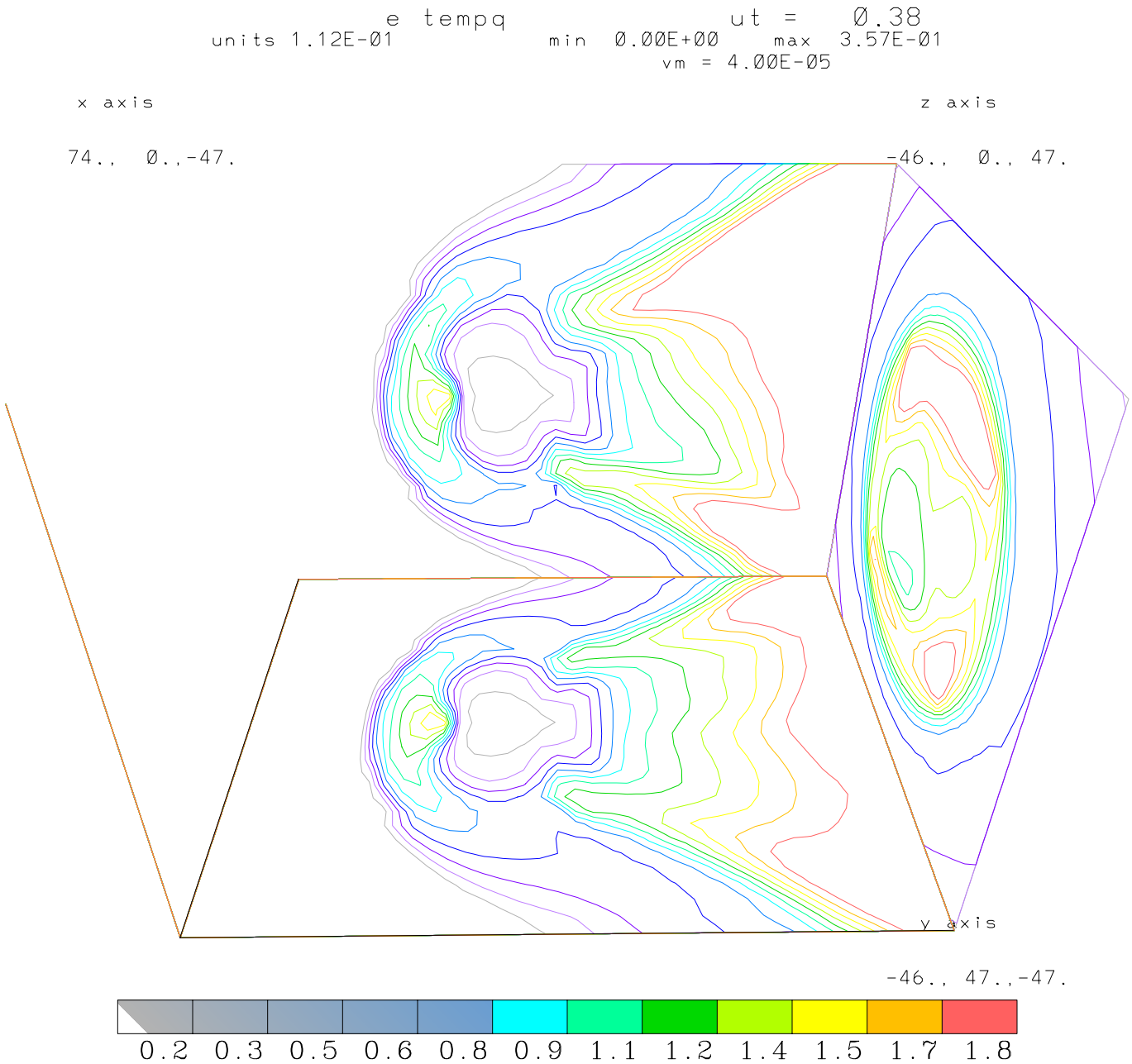
x axis z axis

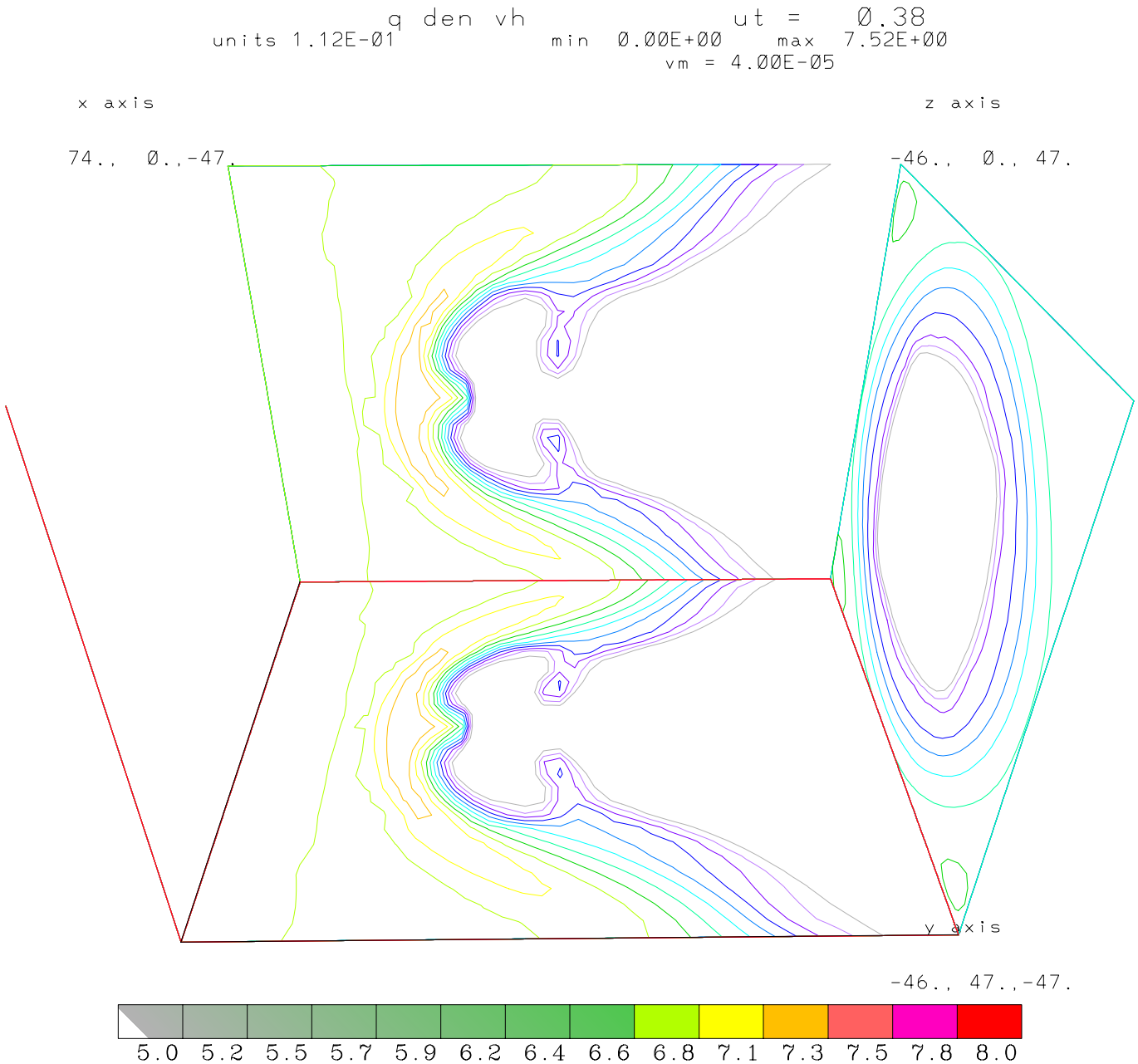
74., 0.,-47. -46., 0., 47.

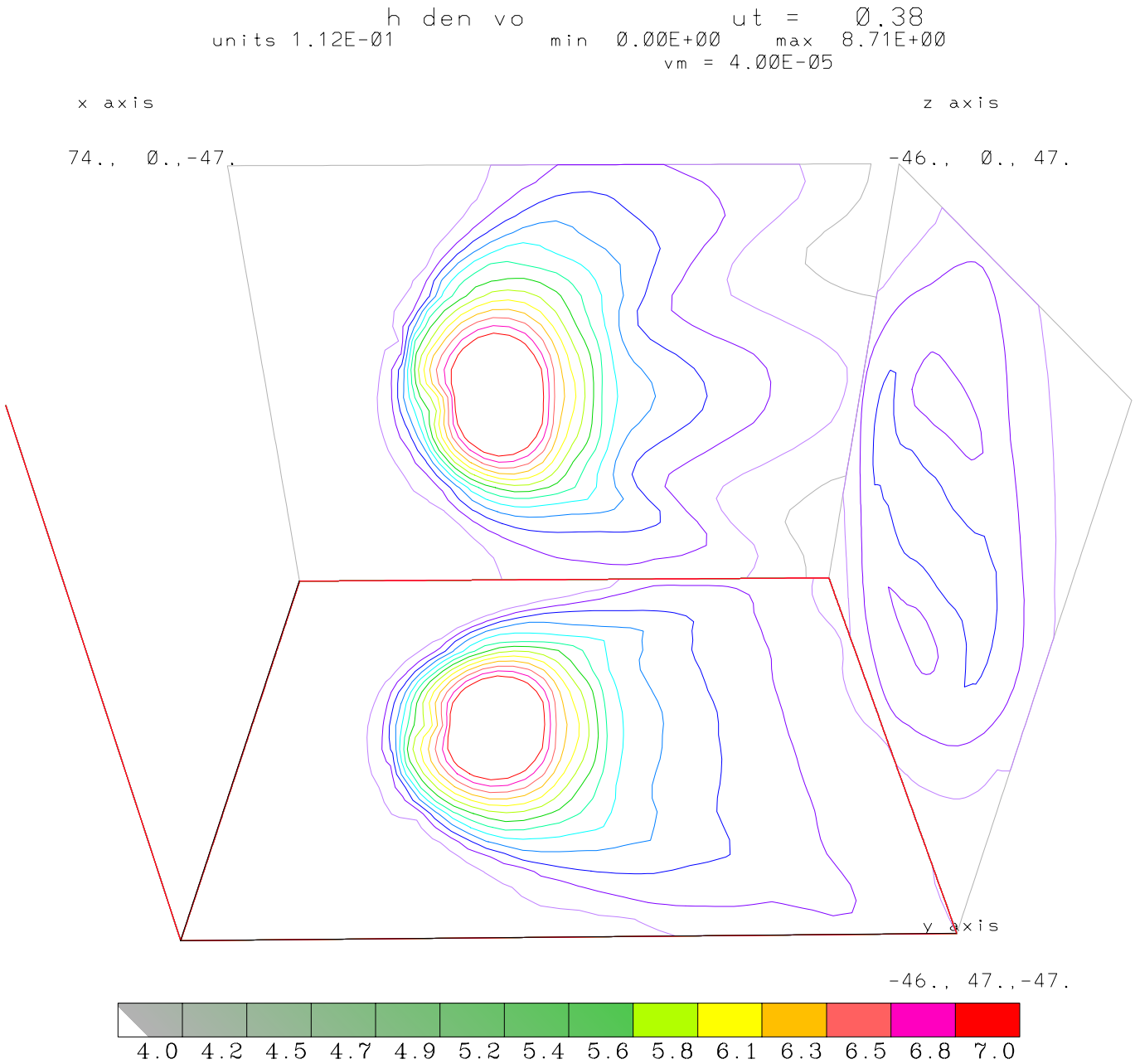


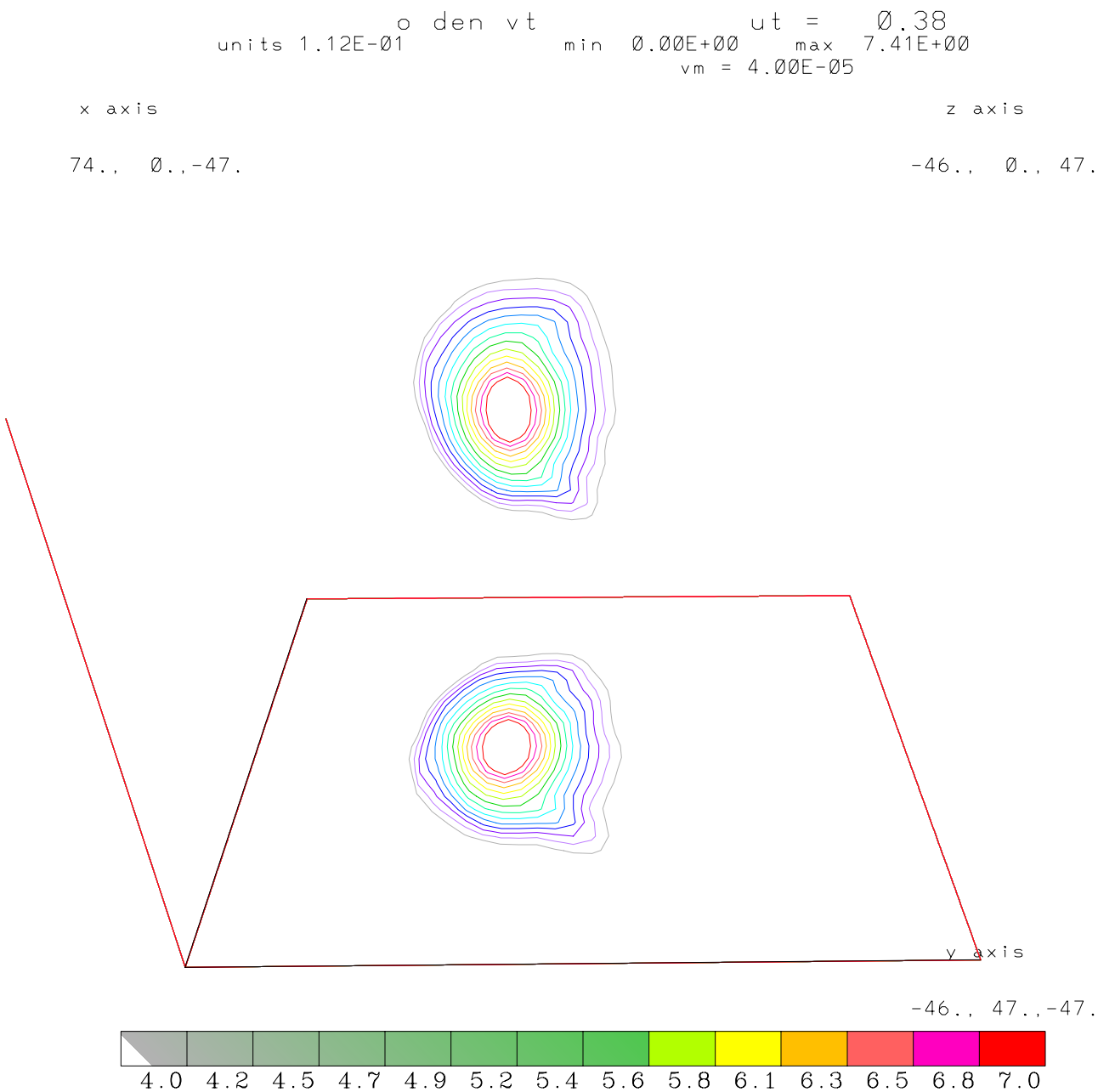

h tempo
ut = 0.38
units 2.50E-01
min 0.00E+00
max 5.00E-01
vm = 4.00E-05
x axis
z axis
74., 0.,-47.
-46., 0., 47.
y axis
-46., 47.,-47.
0.2 0.3 0.5 0.6 0.8 0.9 1.1 1.2 1.4 1.5 1.7 1.8

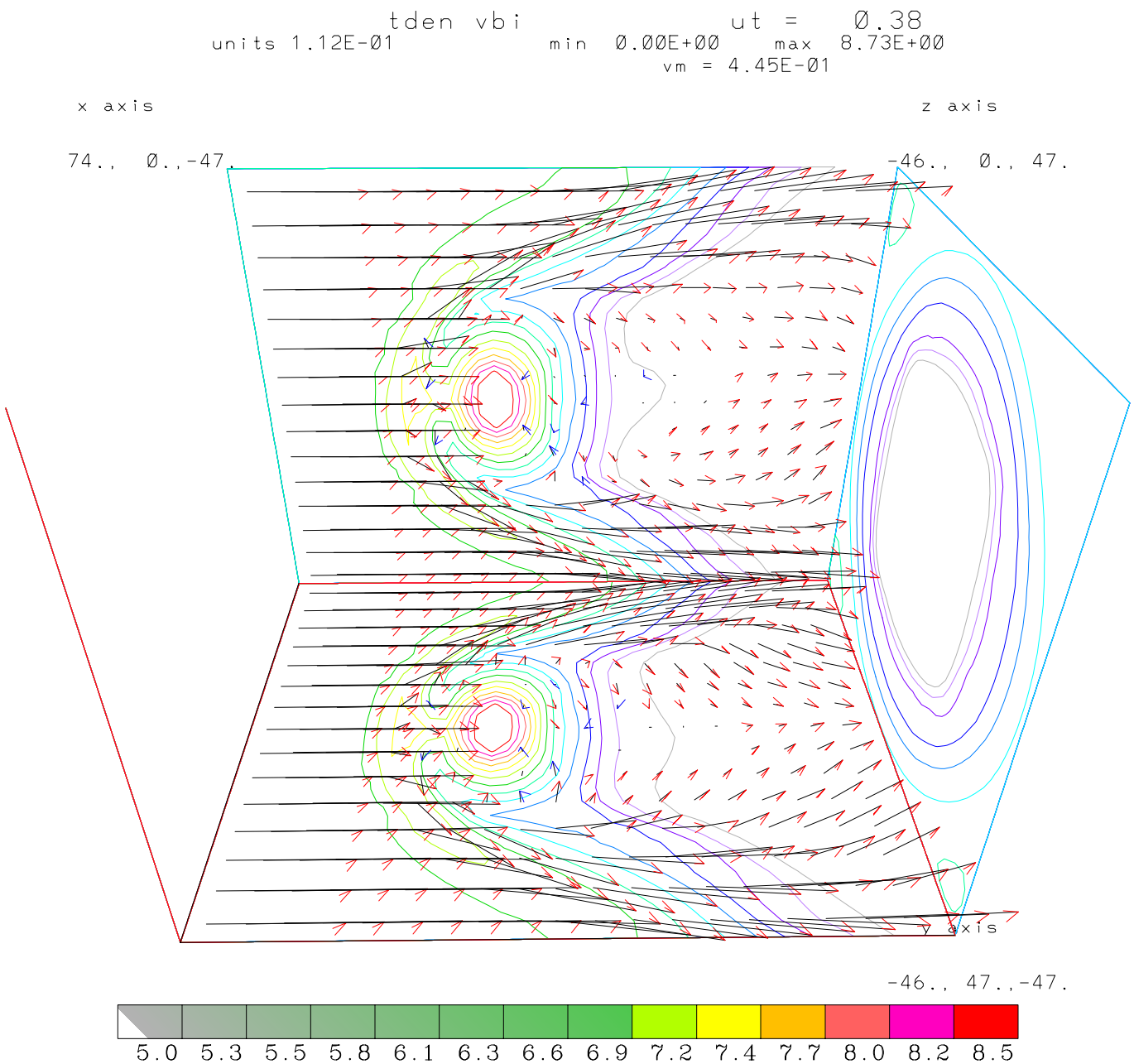

o tempe
ut = 0.38
units 2.50E-01
min 0.00E+00
max 5.00E-01
vm = 4.00E-05
x axis
z axis
74., 0.,-47.
-46., 0., 47.
y axis
-46., 47.,-47.
0.2 0.3 0.5 0.6 0.8 0.9 1.1 1.2 1.4 1.5 1.7 1.8

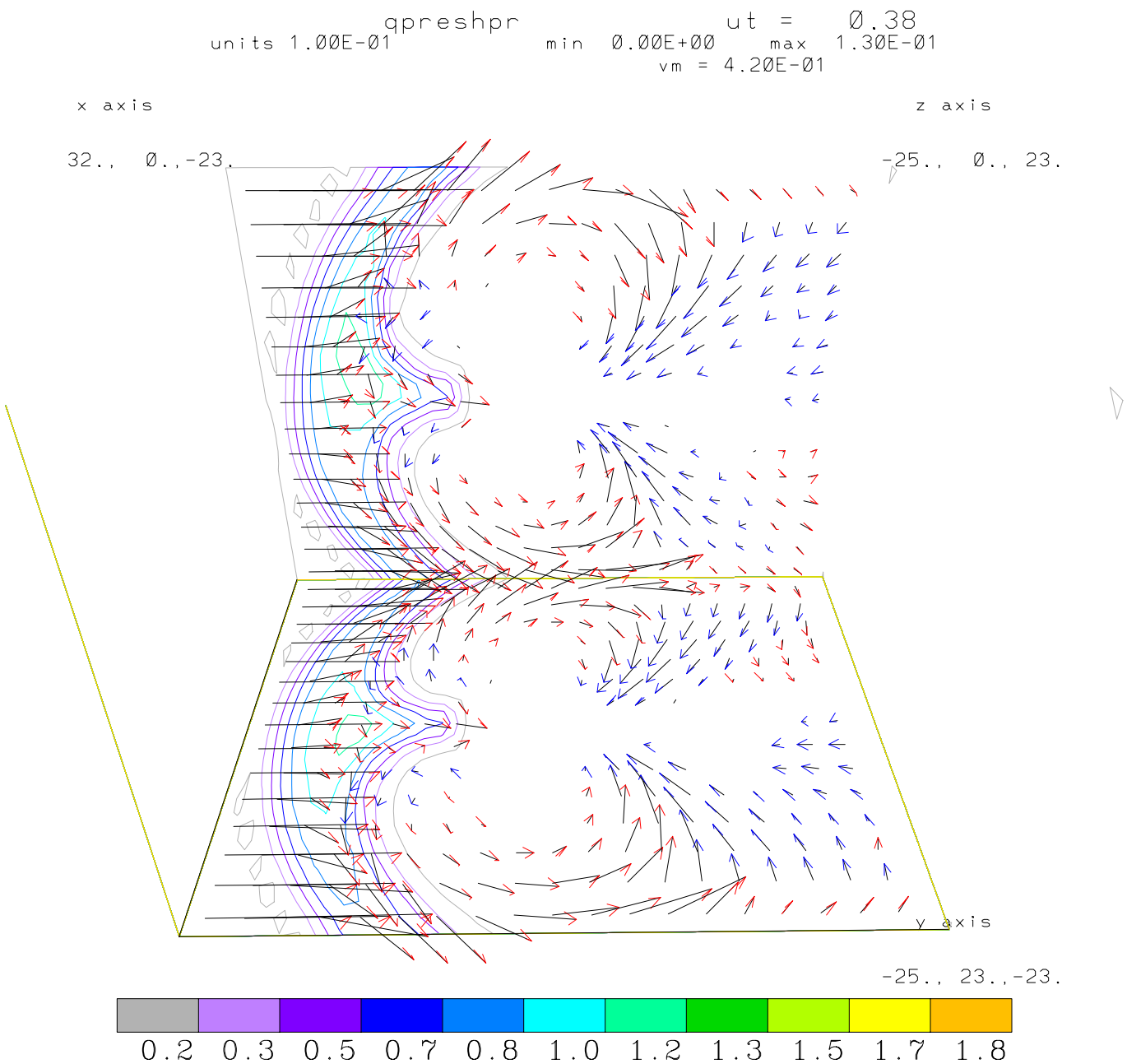

e tempq
ut = 0.38
units 1.12E-01
min 0.00E+00
max 3.57E-01
vm = 4.00E-05
x axis
z axis
74., 0.,-47.
-46., 0., 47.
y axis
-46., 47.,-47.
0.2 0.3 0.5 0.6 0.8 0.9 1.1 1.2 1.4 1.5 1.7 1.8

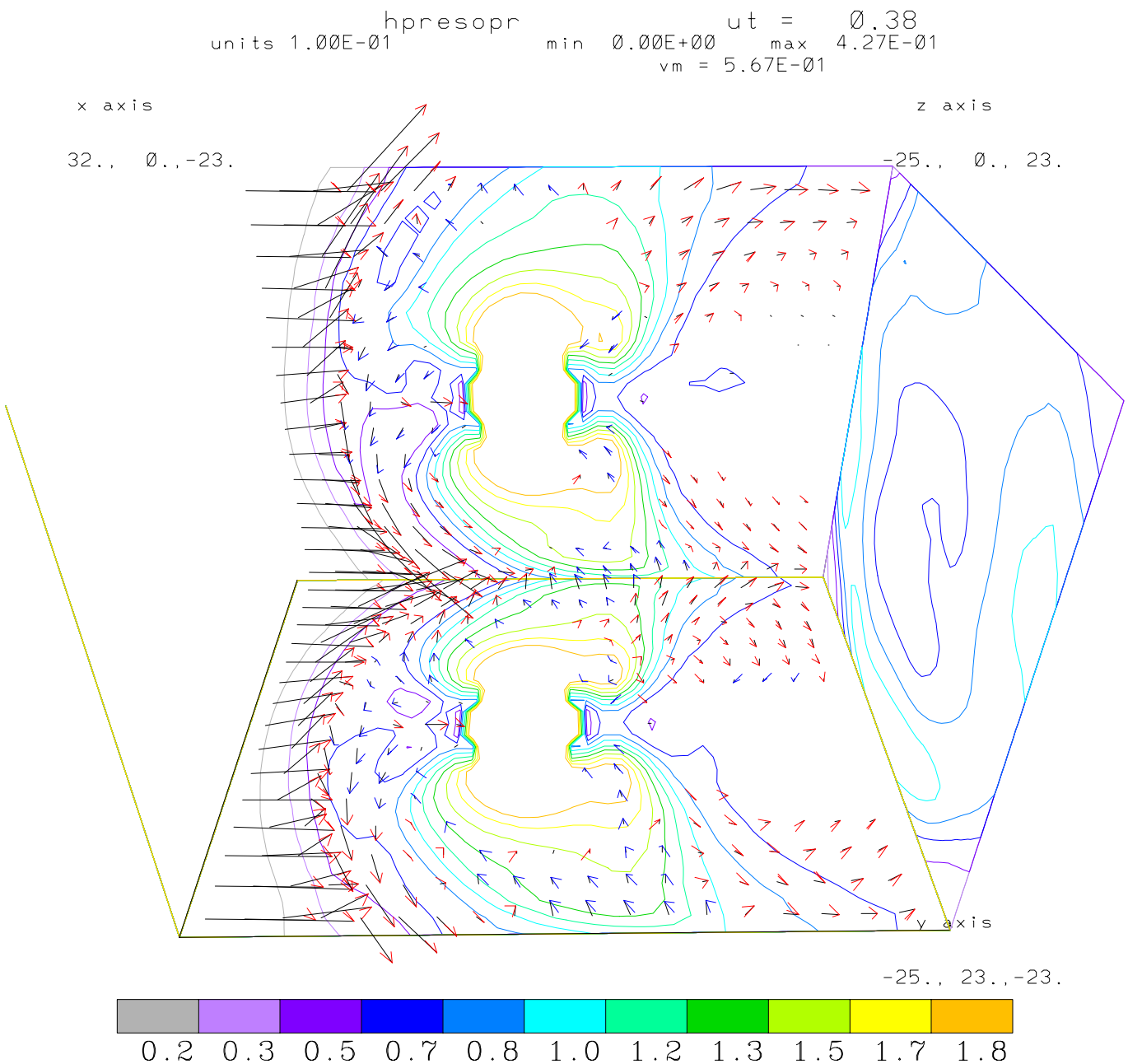

q den vh
ut = 0.38
units 1.12E-01
min 0.00E+00
max 7.52E+00
vm = 4.00E-05
x axis
z axis
74., 0.,-47.
-46., 0., 47.
y axis
-46., 47.,-47.
5.0 5.2 5.5 5.7 5.9 6.2 6.4 6.6 6.8 7.1 7.3 7.5 7.8 8.0

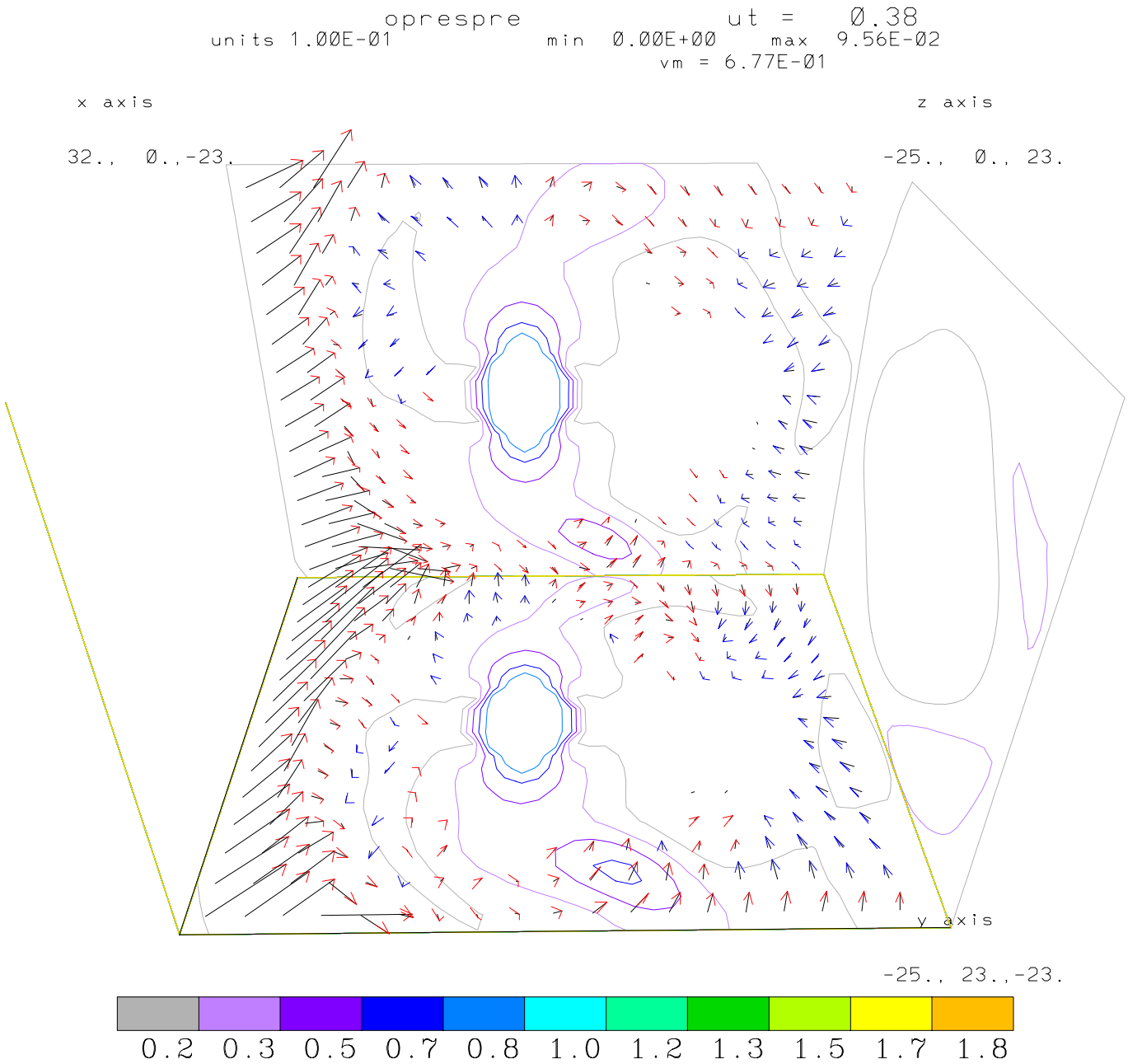

h den vo ut = 0.38
units 1.12E-01 min 0.00E+00 max 8.71E+00
vm = 4.00E-05
x axis
z axis
74., 0.,-47.
-46., 0., 47.
y axis
-46., 47.,-47.
4.0 4.2 4.5 4.7 4.9 5.2 5.4 5.6 5.8 6.1 6.3 6.5 6.8 7.0

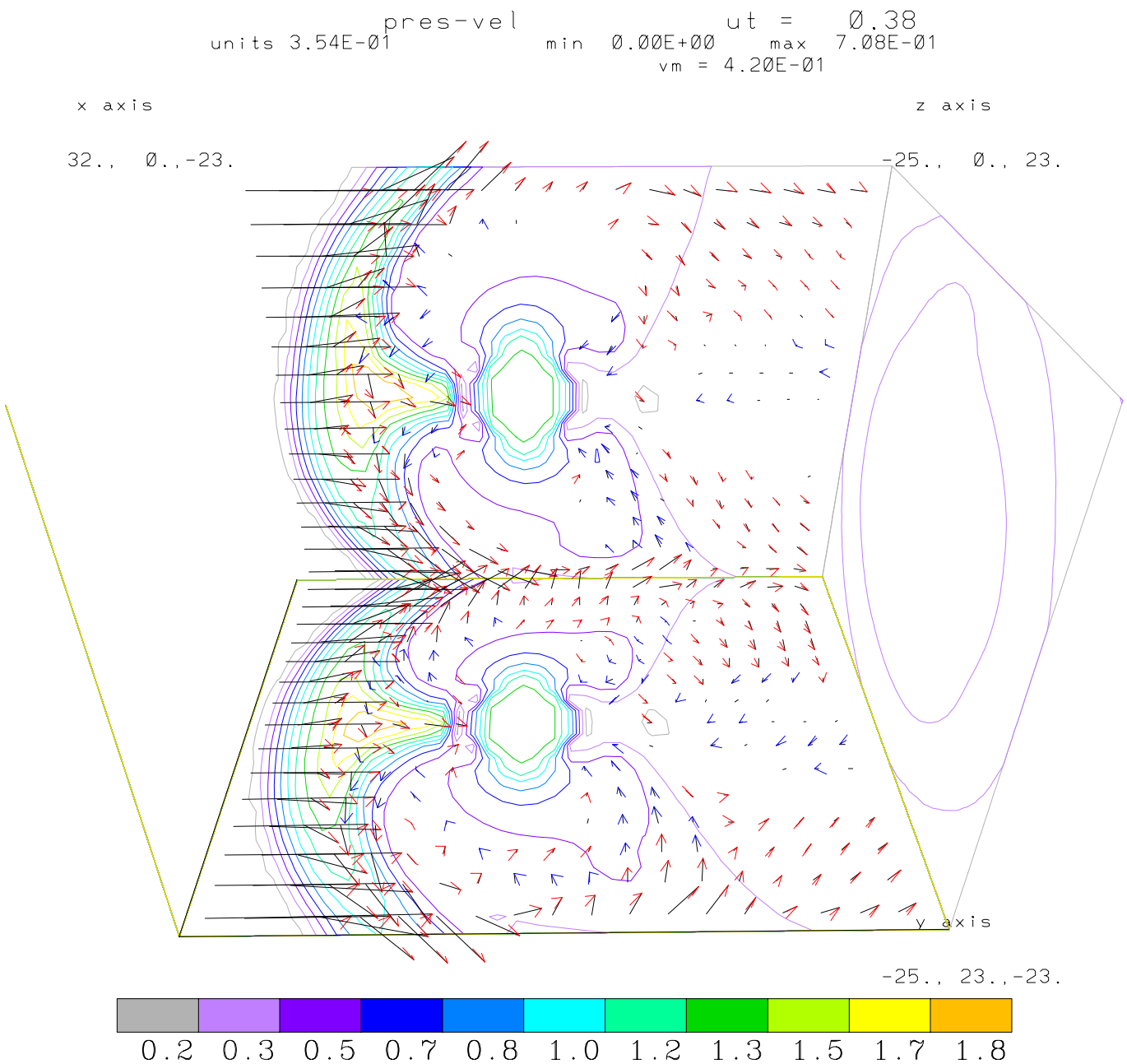

o den vt
ut = 0.38
units 1.12E-01
min 0.00E+00
max 7.41E+00
vm = 4.00E-05
x axis
z axis
74., 0.,-47.
-46., 0., 47.
y axis
-46., 47.,-47.
4.0 4.2 4.5 4.7 4.9 5.2 5.4 5.6 5.8 6.1 6.3 6.5 6.8 7.0

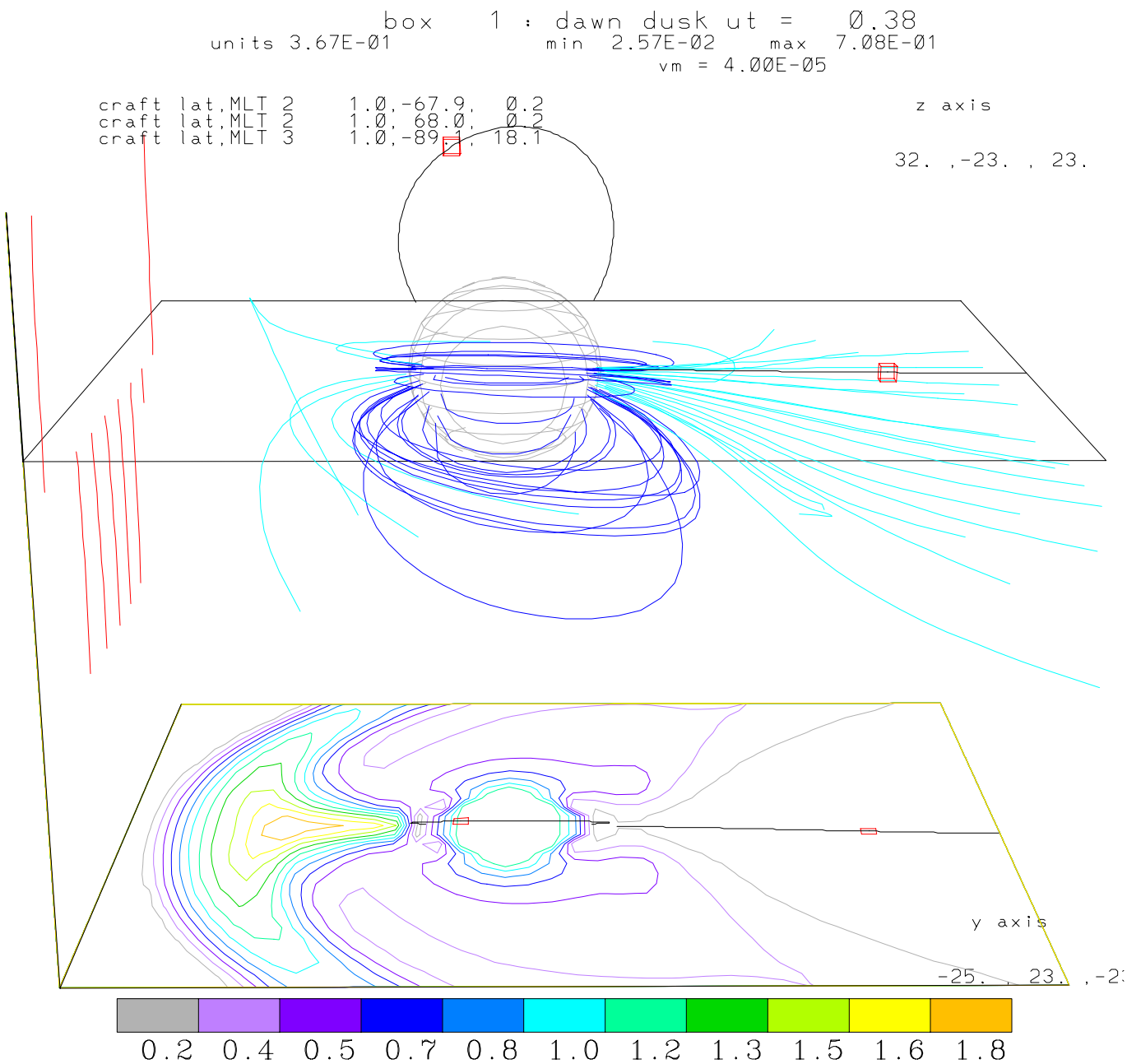

tden vbi
ut = 0.38
units 1.12E-01
min 0.00E+00
max 8.73E+00
vm = 4.45E-01
x axis
z axis
74., 0.,-47.
-46., 0., 47.
y axis
-46., 47.,-47.
5.0 5.3 5.5 5.8 6.1 6.3 6.6 6.9 7.2 7.4 7.7 8.0 8.2 8.5

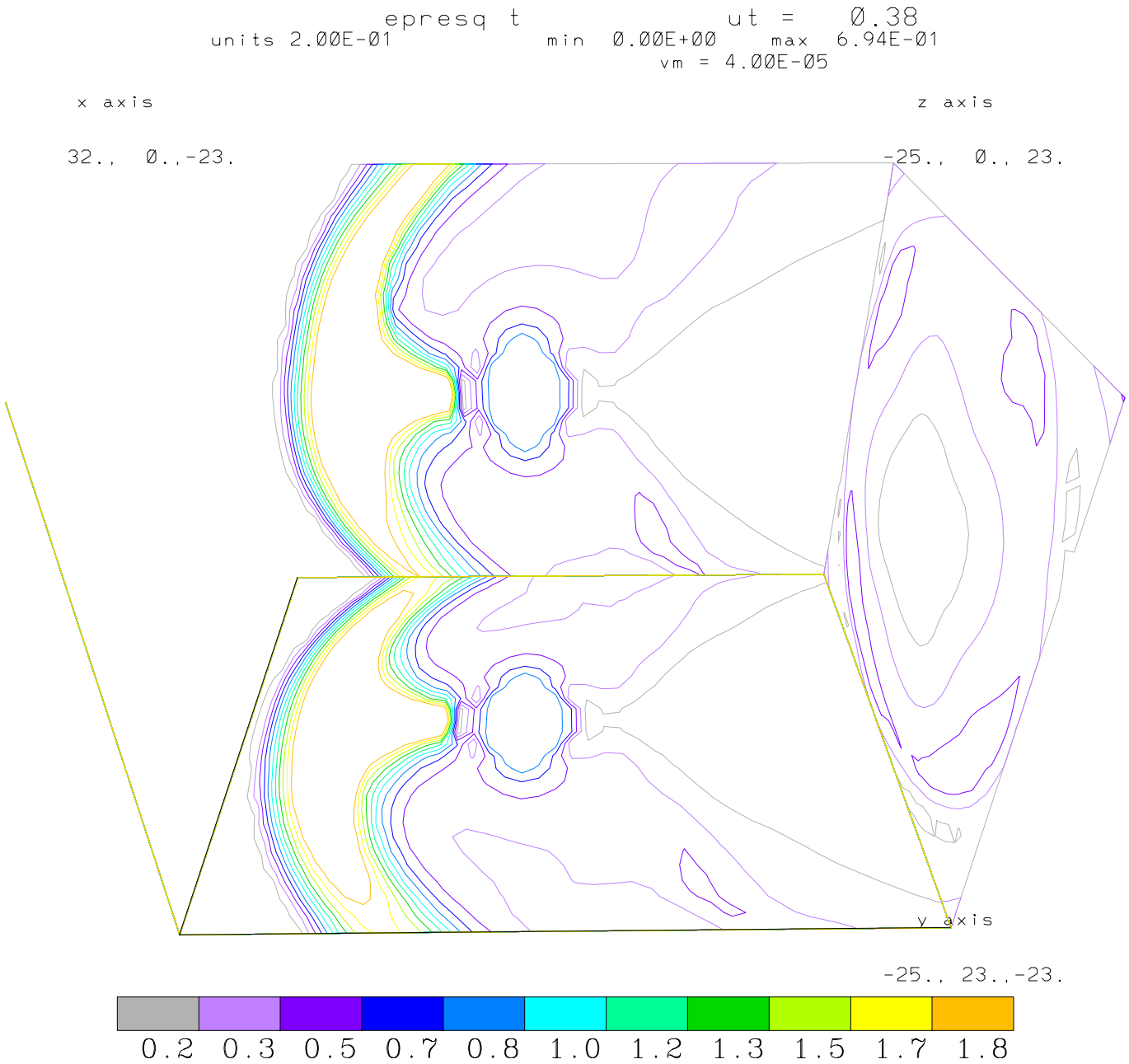

qpreshpr
ut = 0.38
units 1.00E-01
min 0.00E+00
max 1.30E-01
vm = 4.20E-01
x axis
z axis
32., 0.,-23.
-25., 0., 23.
y axis
-25., 23.,-23.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


hpresopr
ut = 0.38
units 1.00E-01
min 0.00E+00
max 4.27E-01
vm = 5.67E-01
x axis
z axis
32., 0.,-23.
-25., 0., 23.
y axis
-25., 23.,-23.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


oprespre
ut = 0.38
units 1.00E-01
min 0.00E+00
max 9.56E-02
vm = 6.77E-01
x axis
z axis
32., 0.,-23.
-25., 0., 23.
y axis
-25., 23.,-23.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


pres-vel
ut = 0.38
units 3.54E-01
min 0.00E+00
max 7.08E-01
vm = 4.20E-01
x axis
z axis
32., 0.,-23.
-25., 0., 23.
y axis
-25., 23.,-23.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


box 1 : dawn dusk ut = 0.38
units 3.67E-01
min 2.57E-02 max 7.08E-01
vm = 4.00E-05
craft lat,MLT 2 1.0,-67.9, 0.2
craft lat,MLT 2 1.0, 68.0, 0.2
craft lat,MLT 3 1.0,-89.1, 18.1
z axis
32. ,-23. , 23.
y axis
-25. , 23. ,-2
0.2 0.4 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.6 1.8


epresq t
ut = 0.38
units 2.00E-01
min 0.00E+00
max 6.94E-01
vm = 4.00E-05
x axis
z axis
32., 0.,-23.
-25., 0., 23.
y axis
-25., 23.,-23.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8

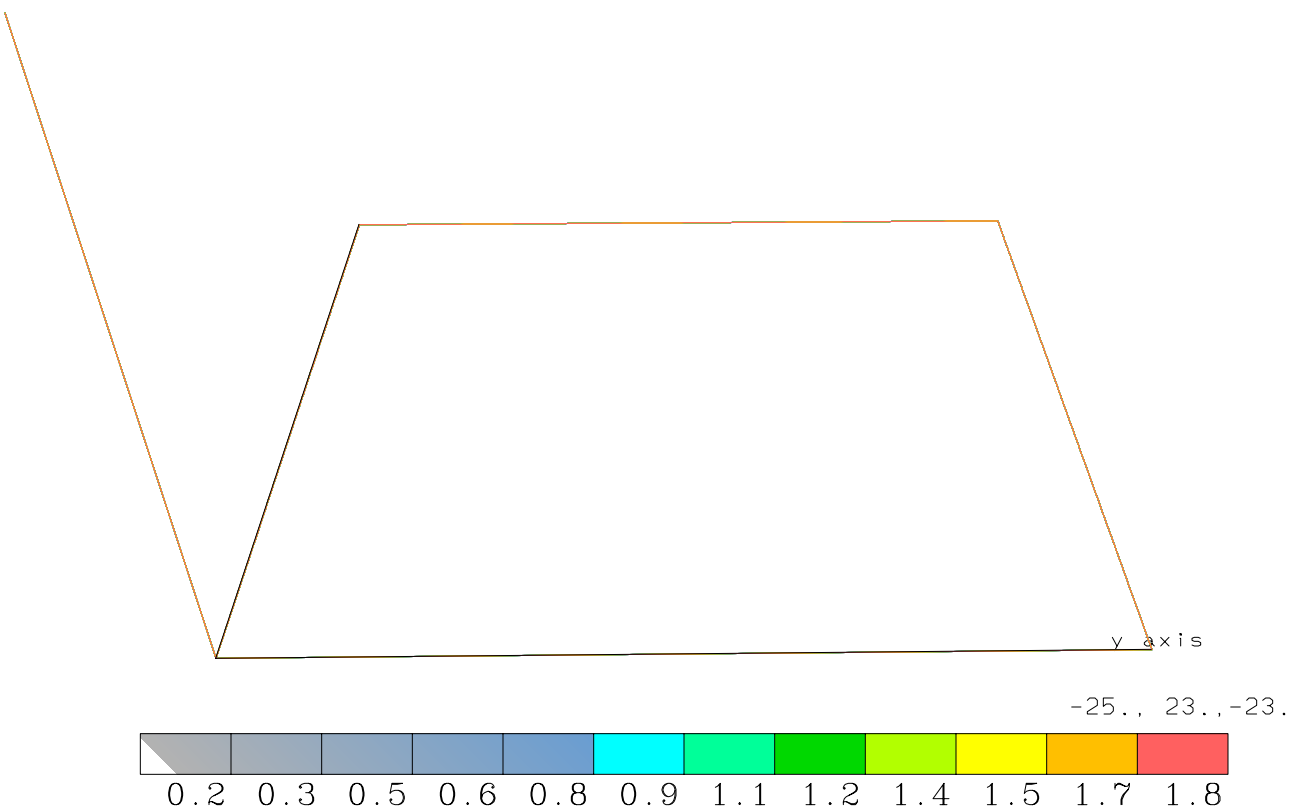
q temph ut = 0.38

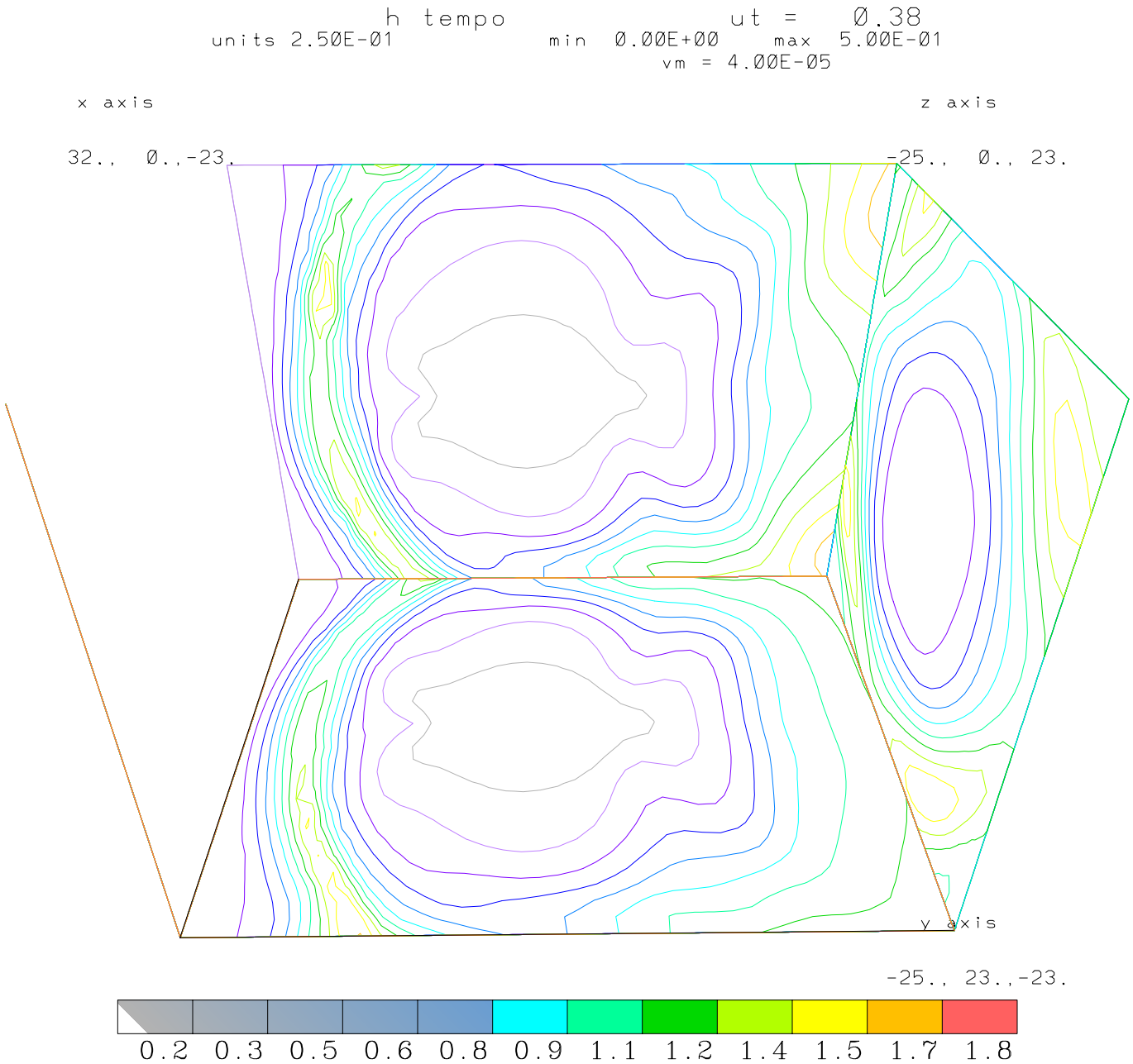
units 2.50E-01 min 0.00E+00 max 3.17E-02

vm = 4.00E-05

x axis z axis

32., 0.,-23. -25., 0., 23.

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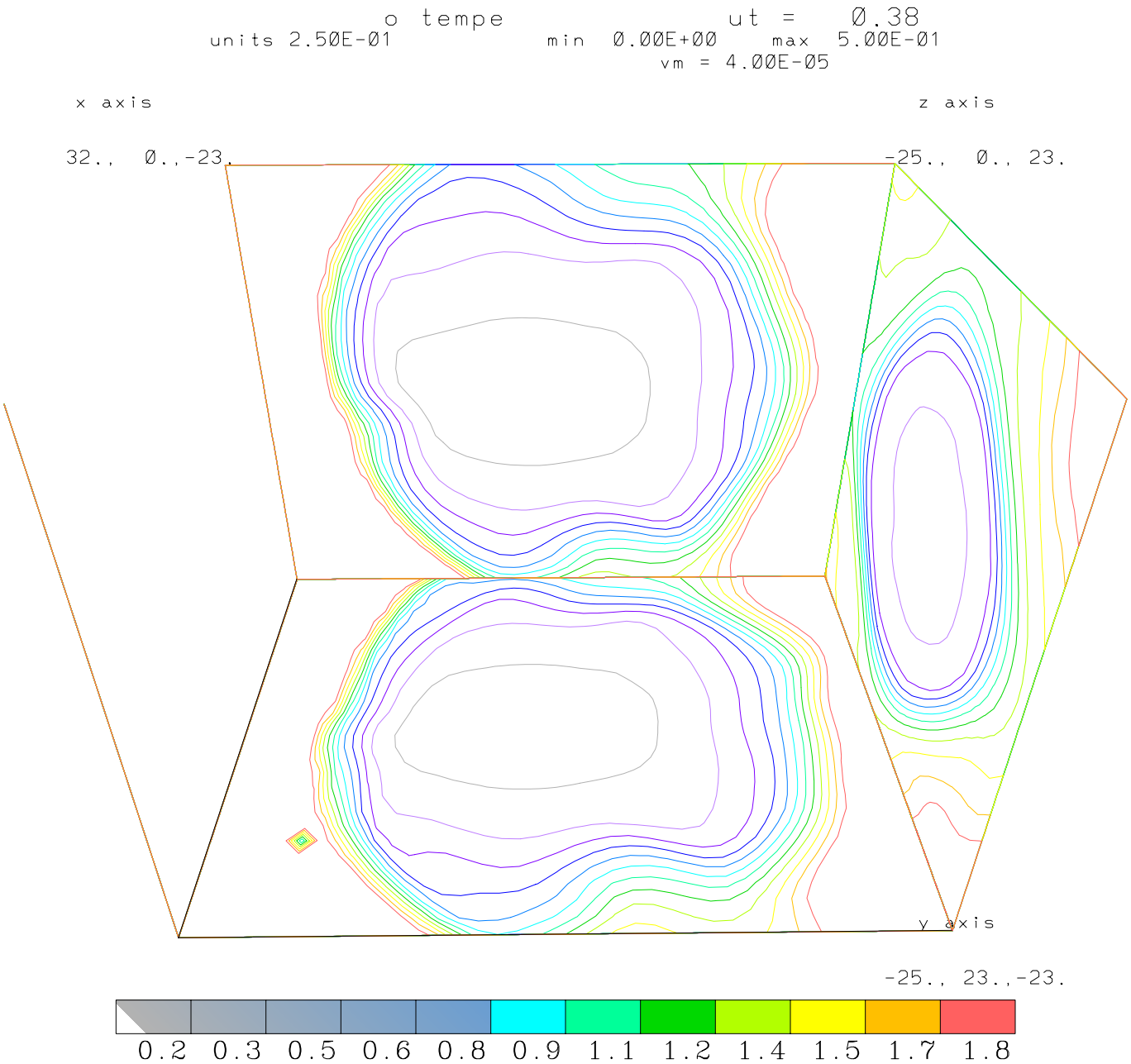
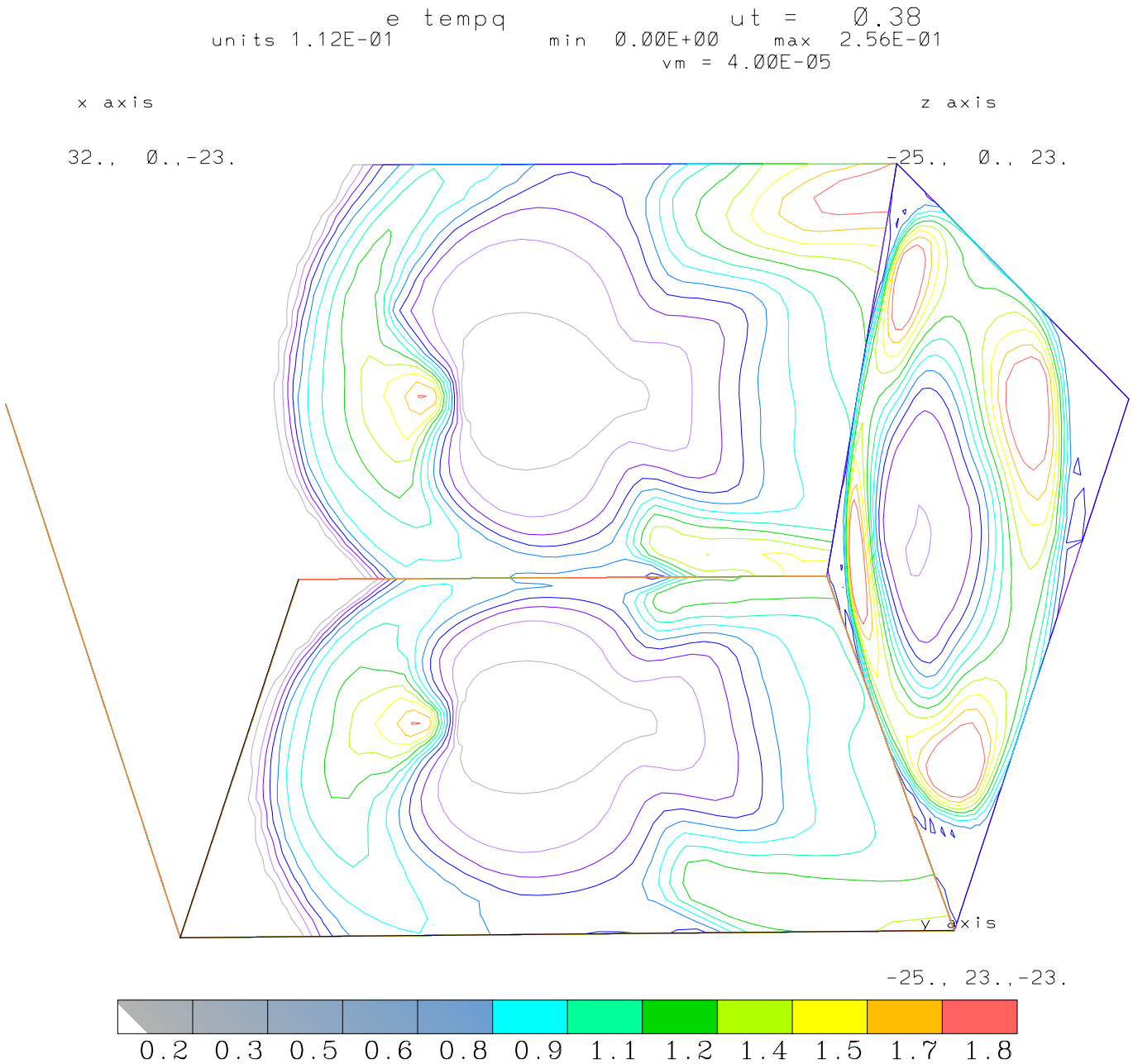
ut = 0.38
units 2.50E-01
min 0.00E+00
max 5.00E-01
vm = 4.00E-05
x axis
z axis
32., 0.,-23.
-25., 0., 23.
y axis
-25., 23.,-23.
0.2 0.3 0.5 0.6 0.8 0.9 1.1 1.2 1.4 1.5 1.7 1.8


o tempe
ut = 0.38
units 2.50E-01
min 0.00E+00
max 5.00E-01
vm = 4.00E-05
x axis
z axis
32., 0.,-23.
-25., 0., 23.
y axis
-25., 23.,-23.
0.2 0.3 0.5 0.6 0.8 0.9 1.1 1.2 1.4 1.5 1.7 1.8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x axis
z axis
32., 0.,-23.
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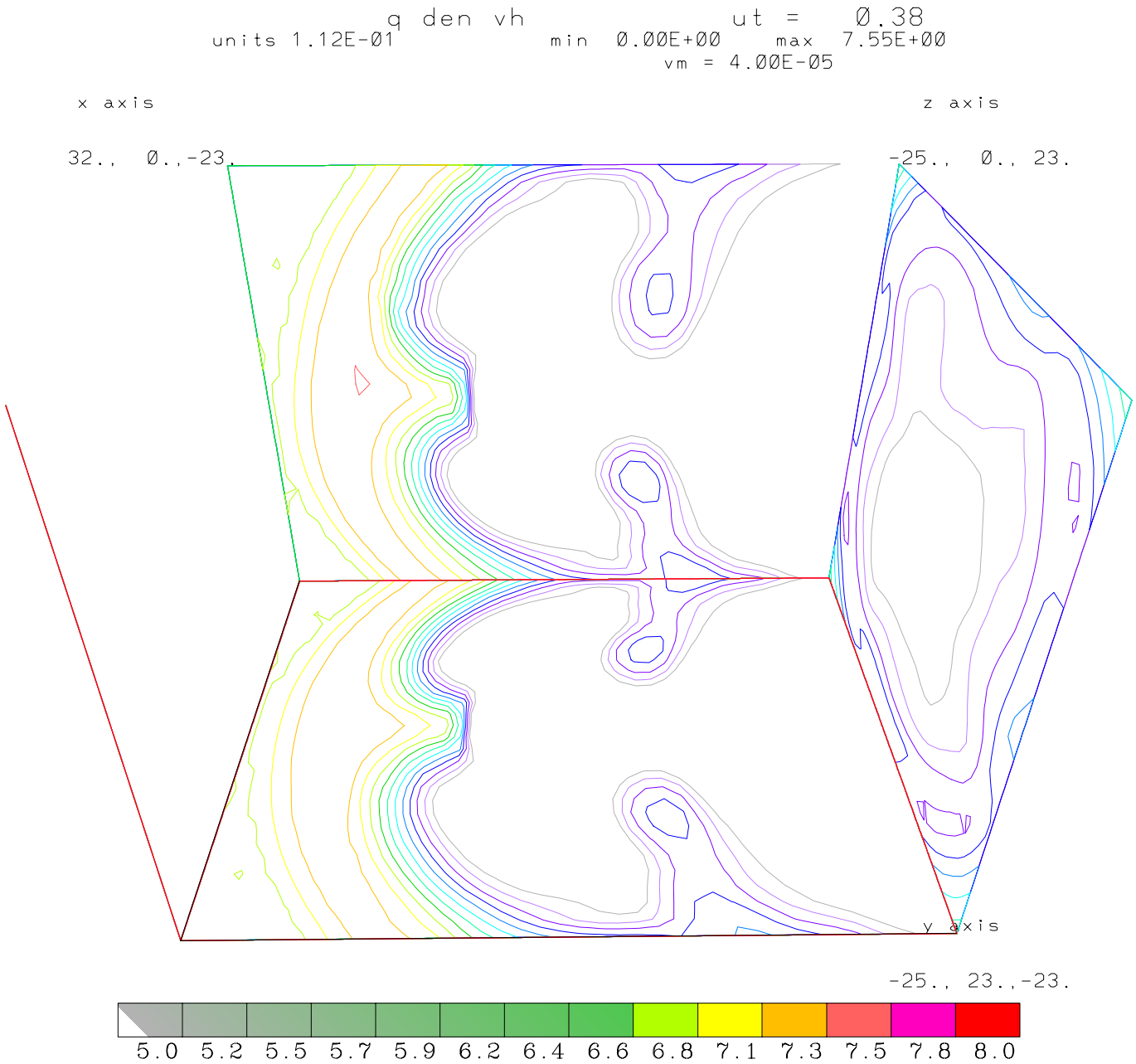
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max 7.55E+00
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x axis
z axis
32., 0.,-23.
-25., 0., 23.
y axis
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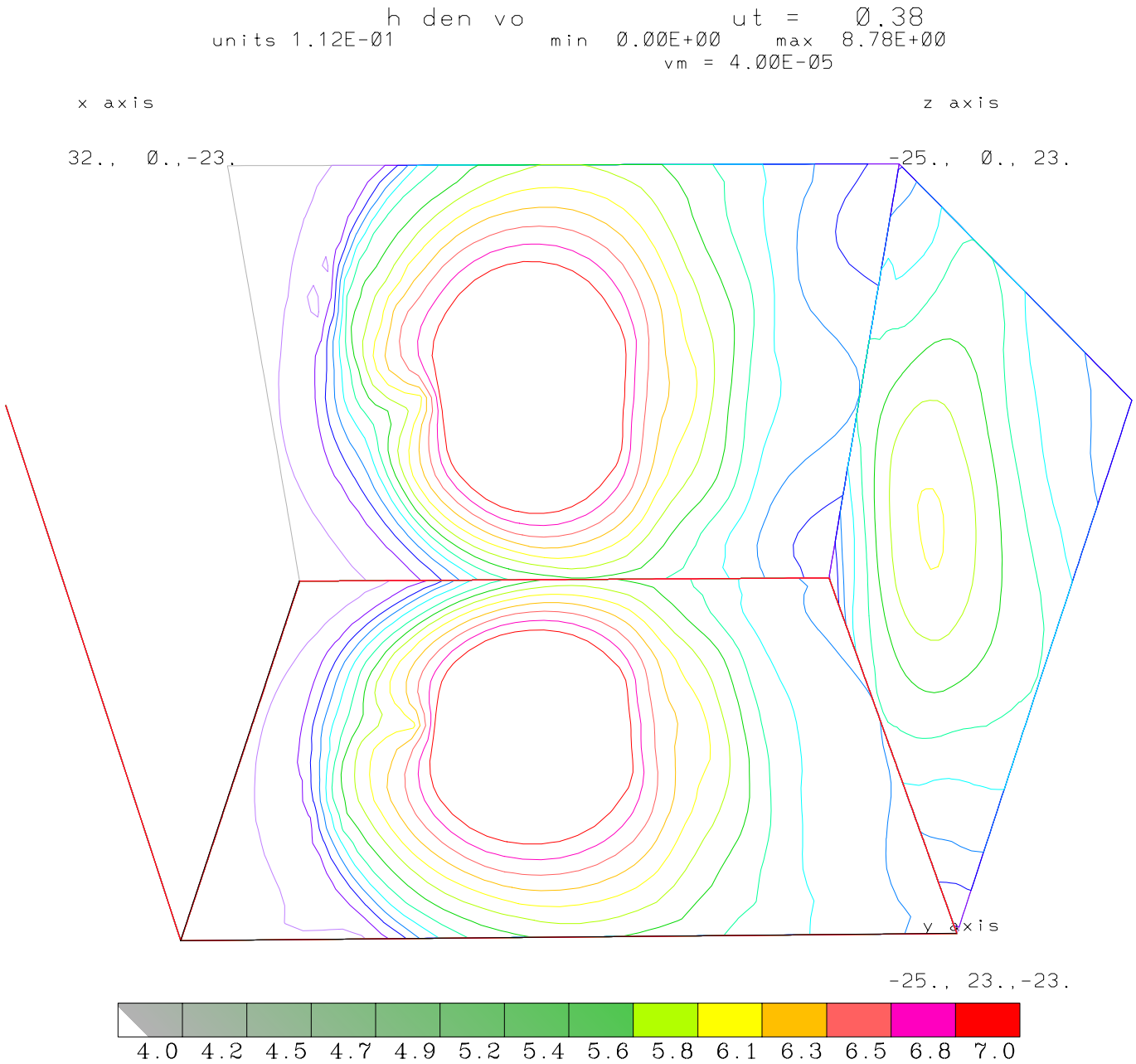
5.0 5.2 5.5 5.7 5.9 6.2 6.4 6.6 6.8 7.1 7.3 7.5 7.8 8.0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z axis
32., 0.,-23.
-25., 0., 23.
y axis
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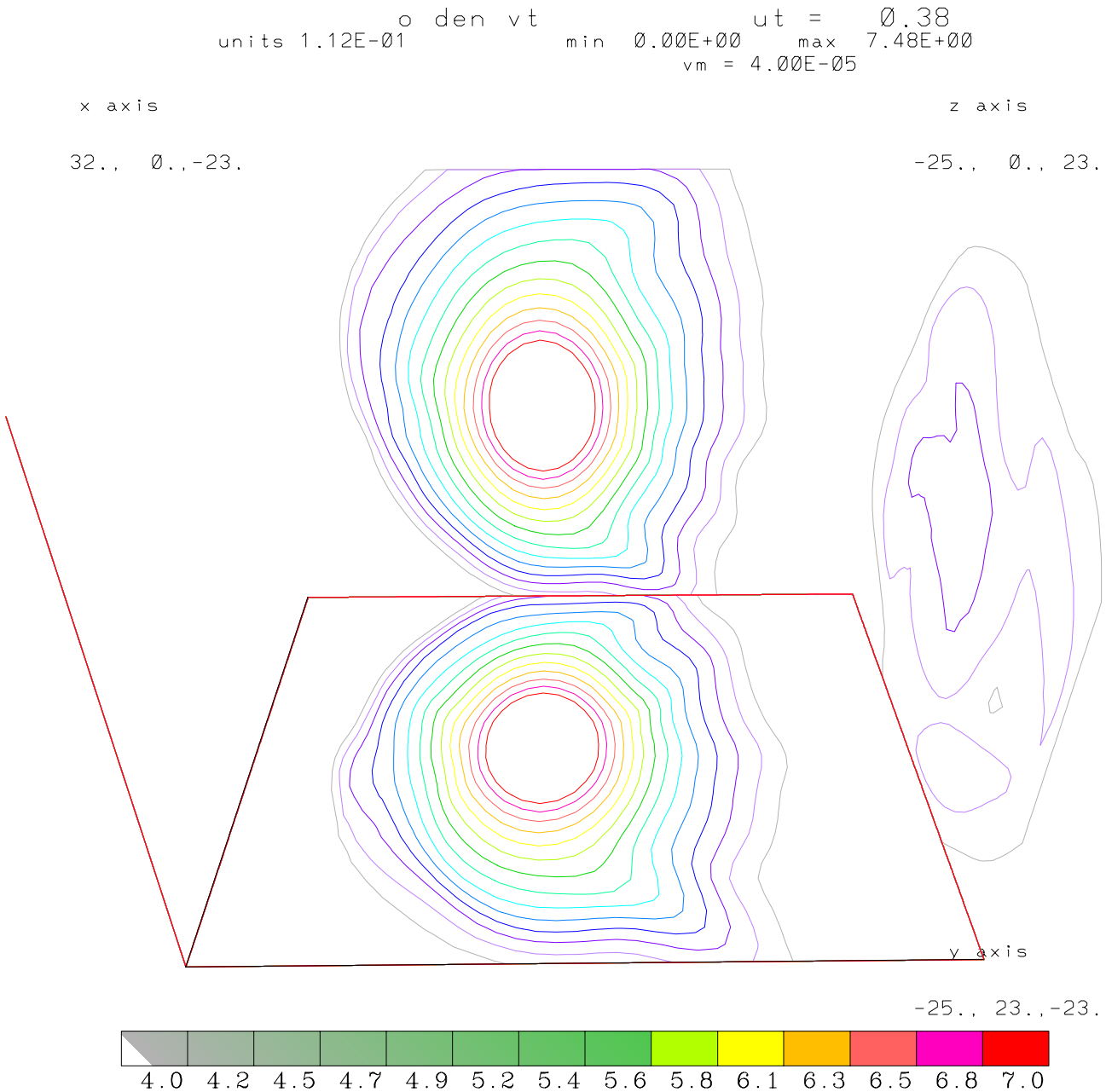
4.0 4.2 4.5 4.7 4.9 5.2 5.4 5.6 5.8 6.1 6.3 6.5 6.8 7.0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units 1.12E-01
min 0.00E+00
max 7.48E+00
vm = 4.00E-05
x axis
z axis
32., 0.,-23.
-25., 0., 23.
y axis
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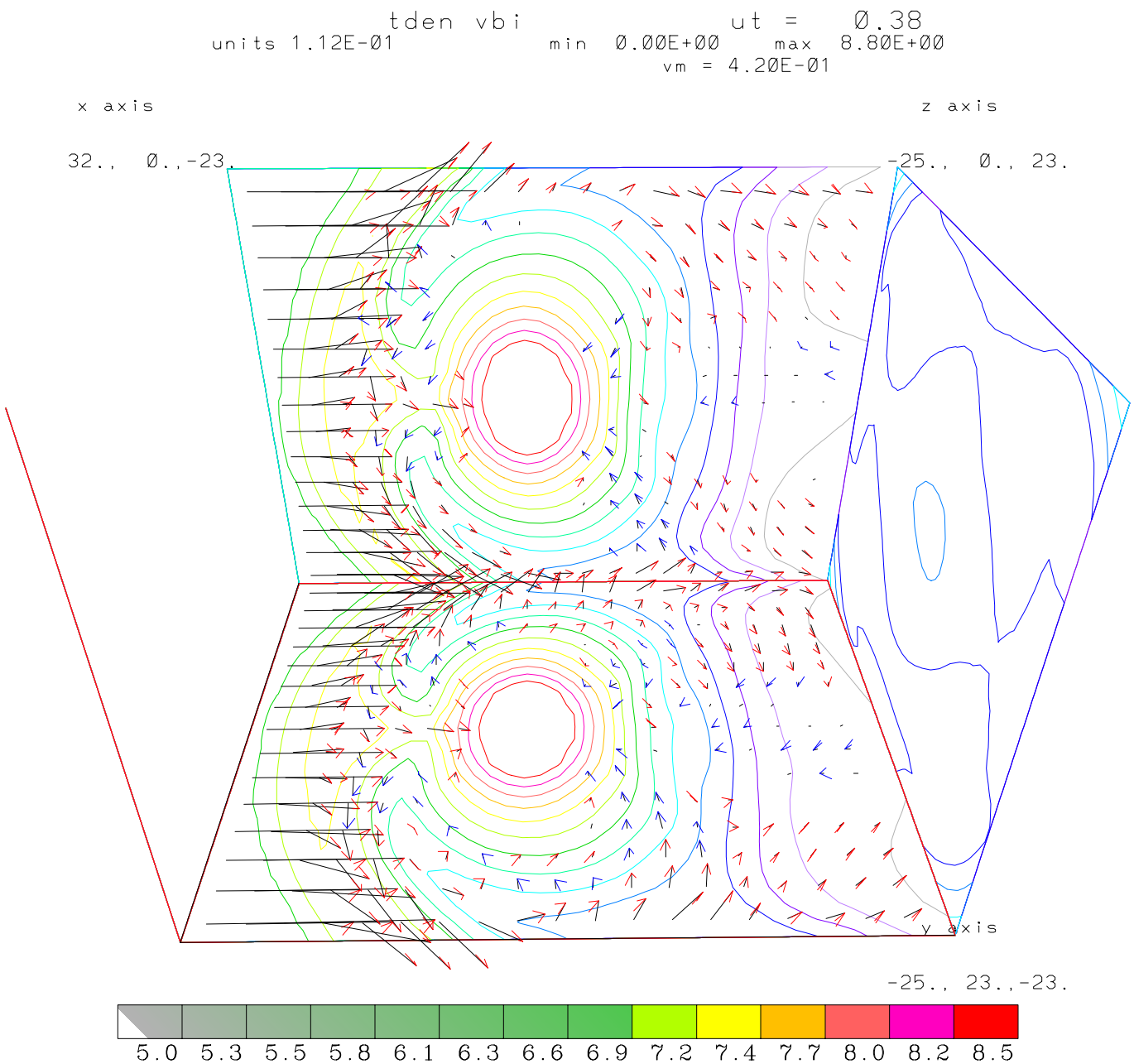
4.0 4.2 4.5 4.7 4.9 5.2 5.4 5.6 5.8 6.1 6.3 6.5 6.8 7.0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units 1.12E-01
min 0.00E+00
max 8.80E+00
vm = 4.20E-01
x axis
z axis
32., 0.,-23.
-25., 0., 23.
y axis
-25., 23.,-23.
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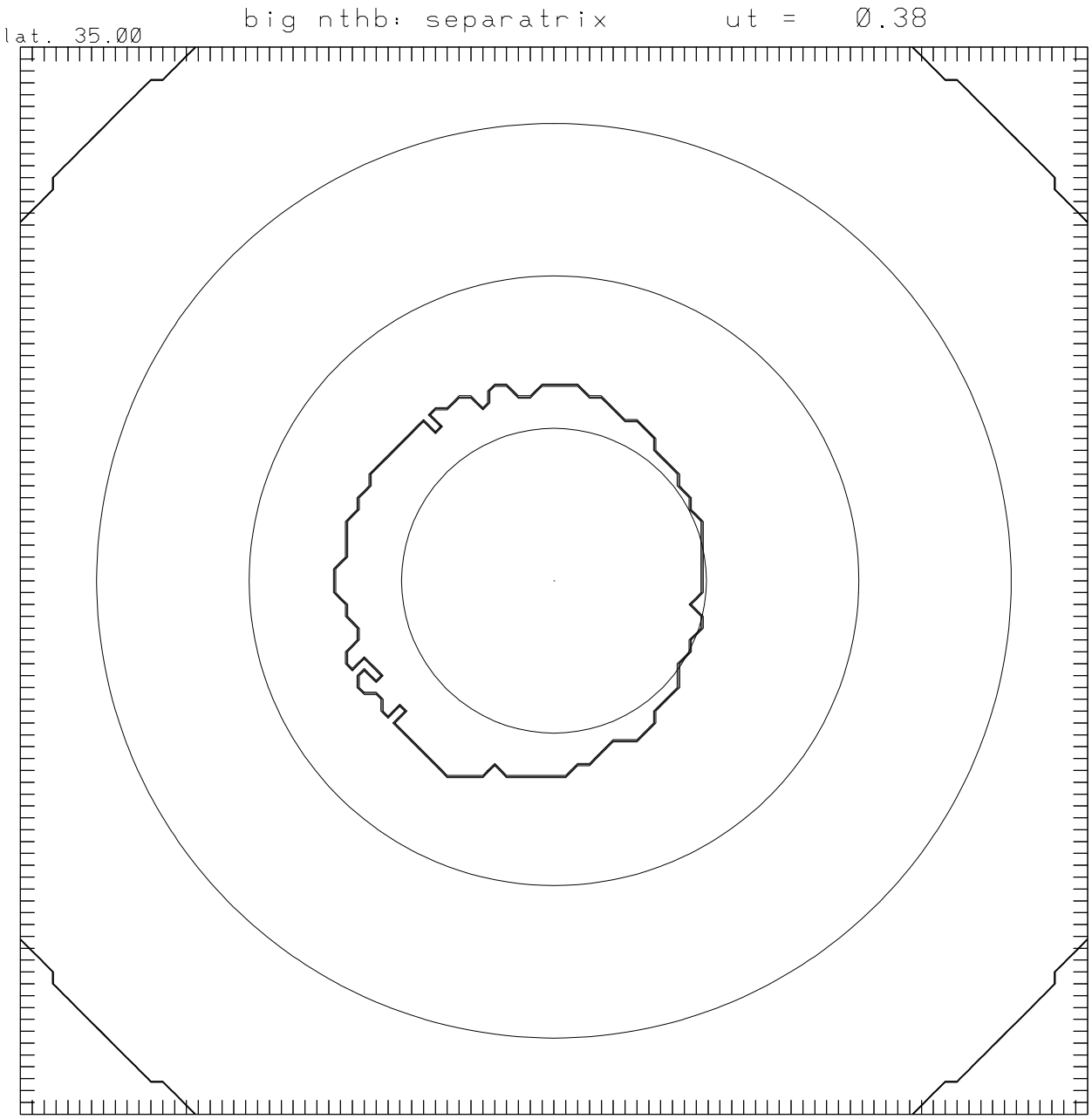
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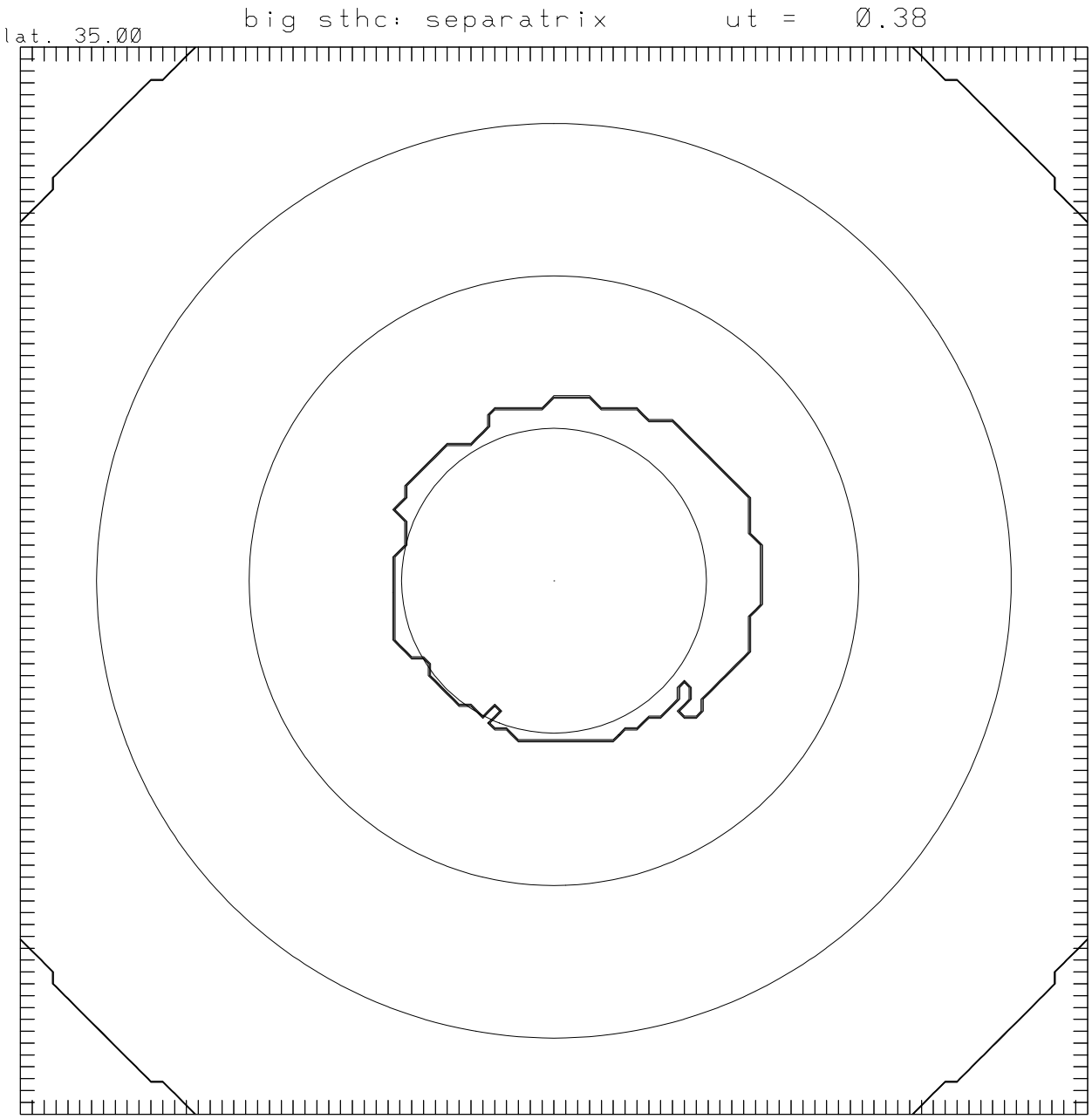
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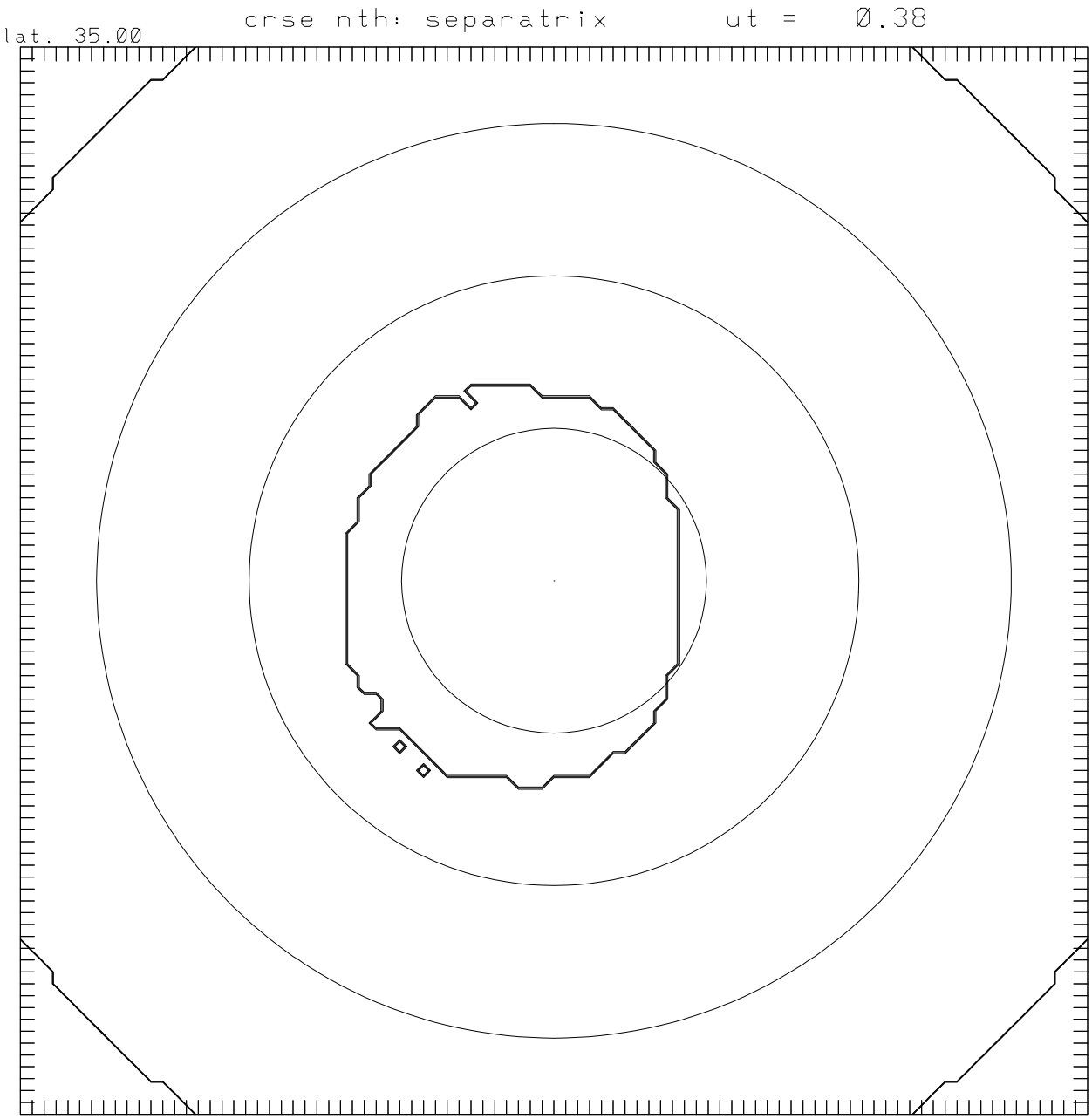
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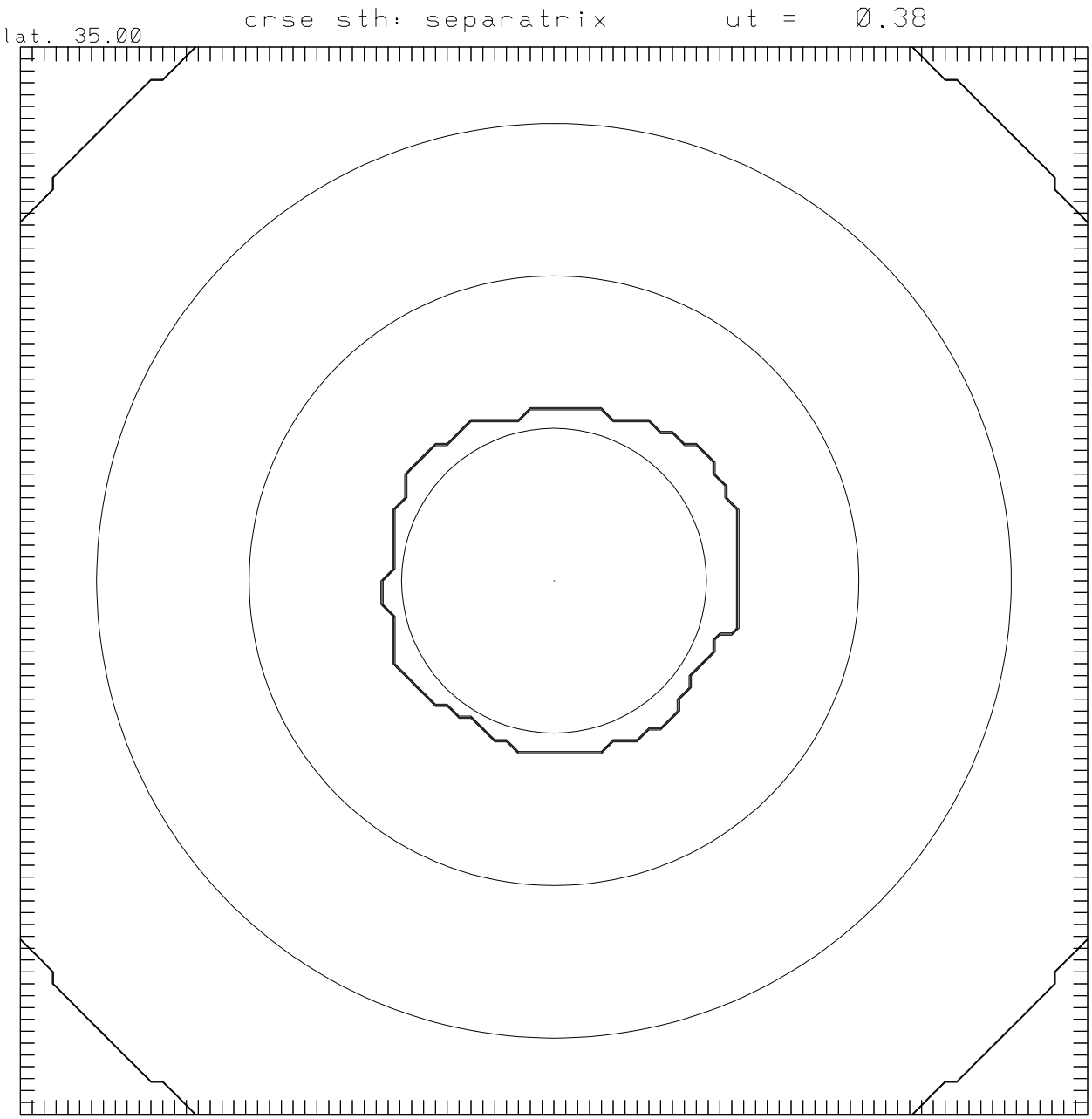
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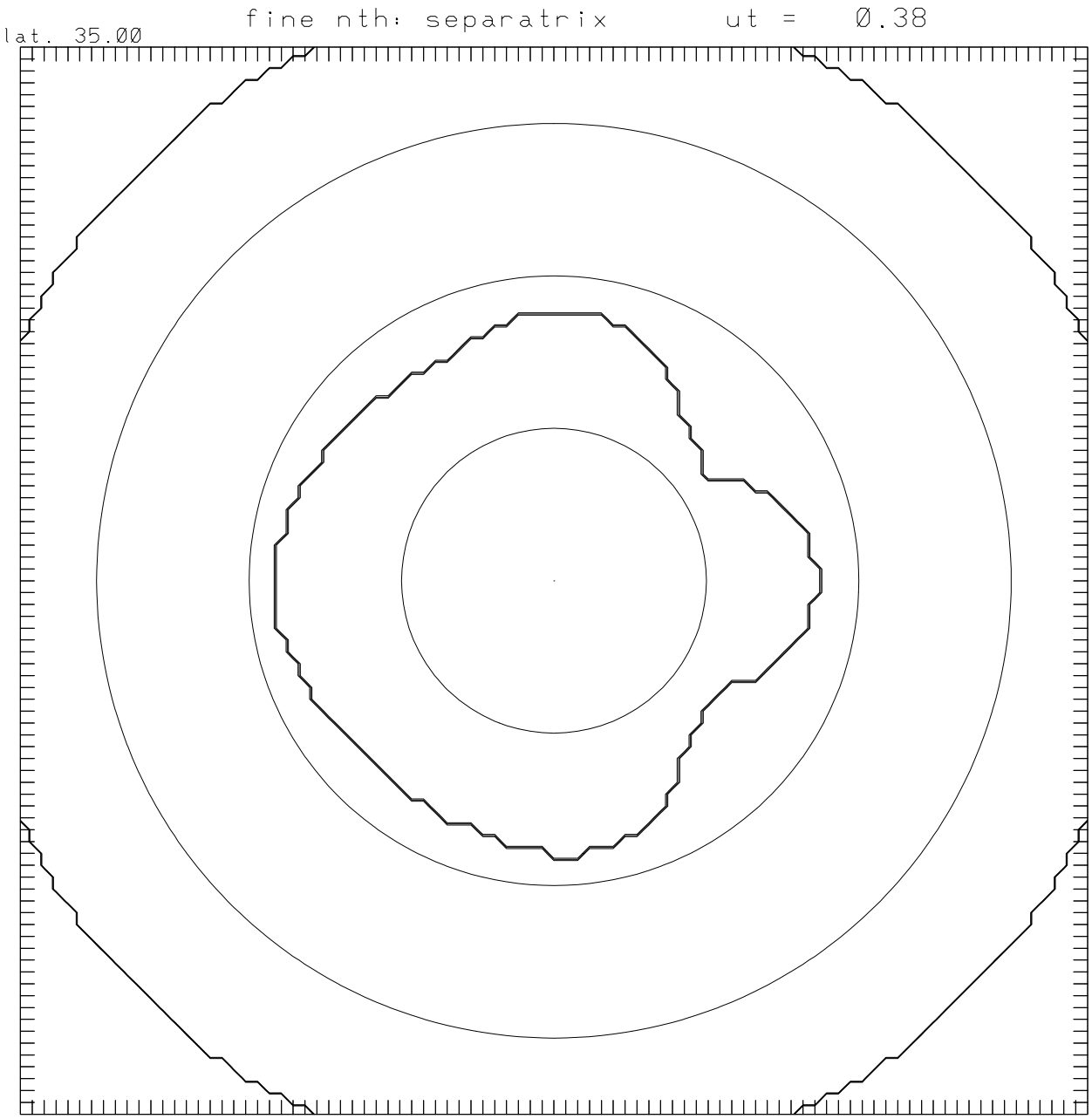
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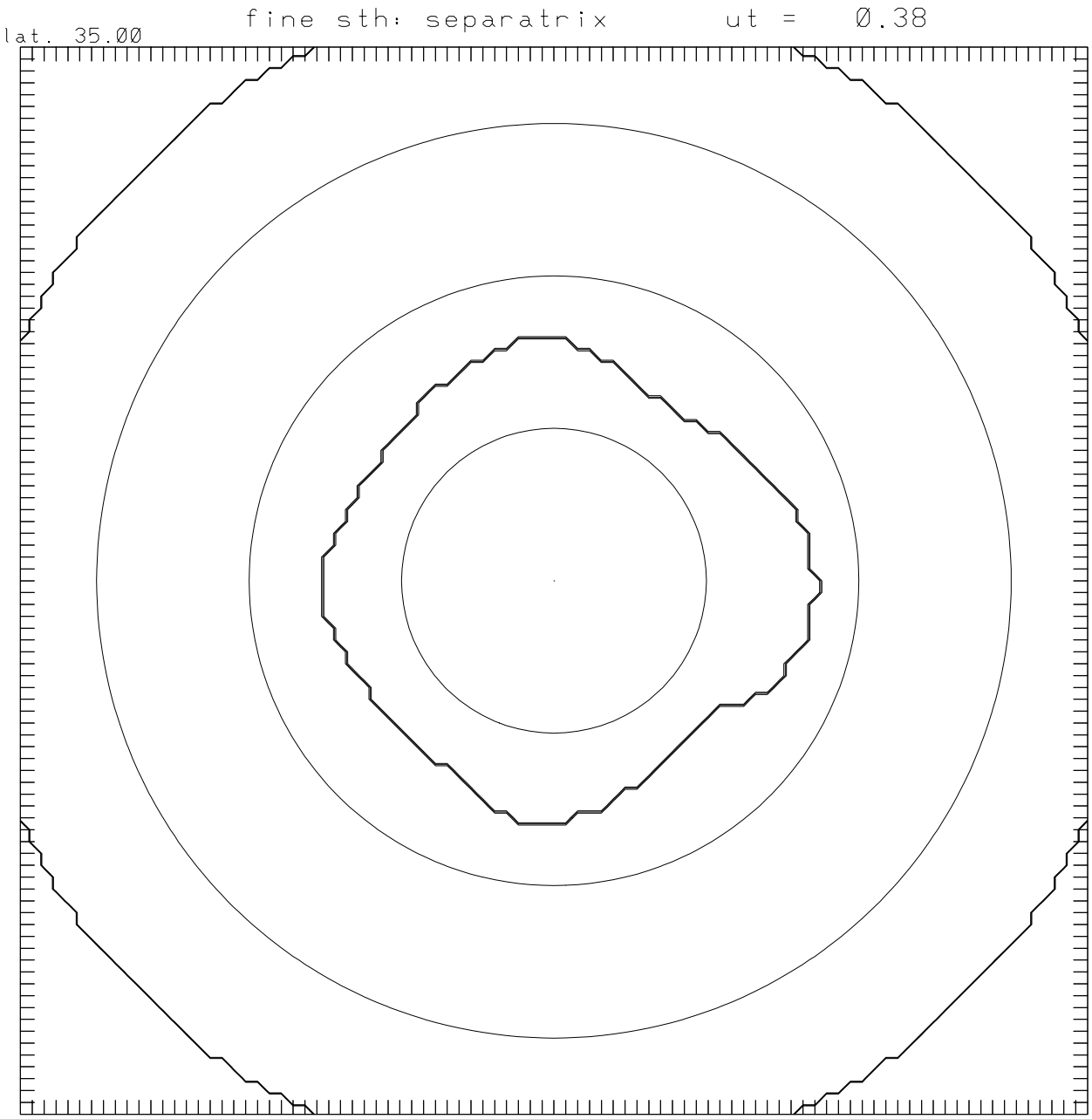
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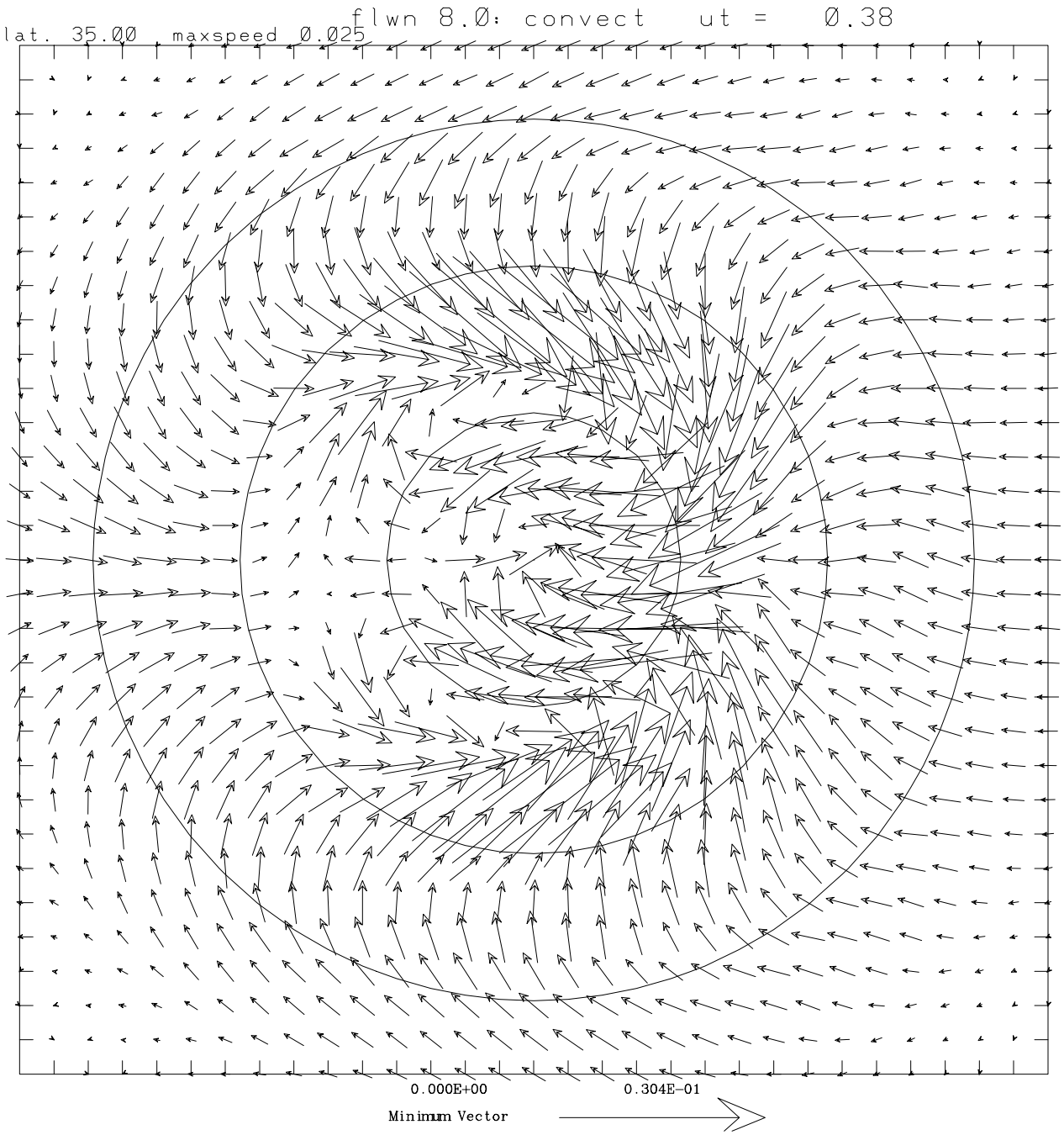
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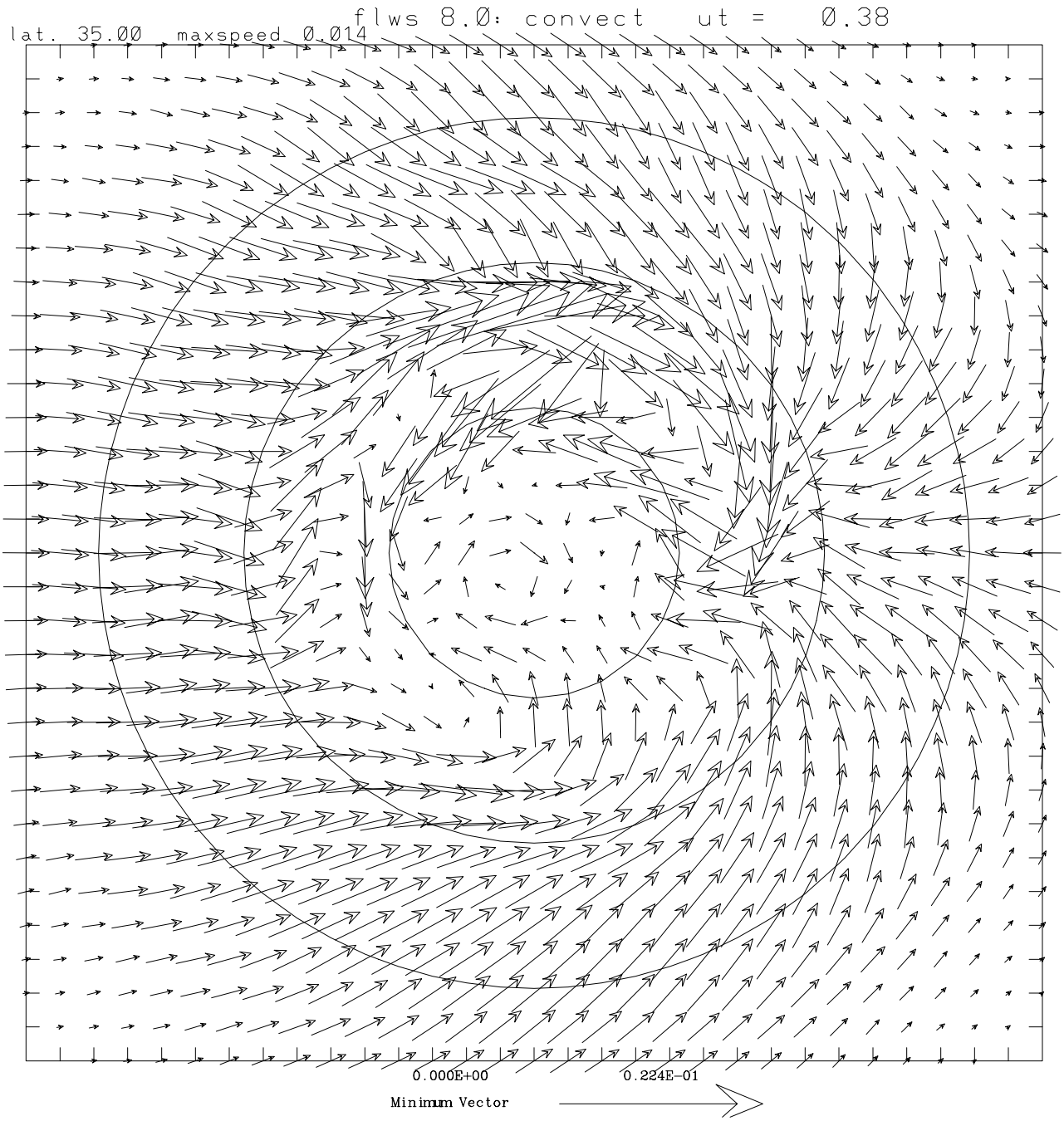
0.304E-01
Minimum Vector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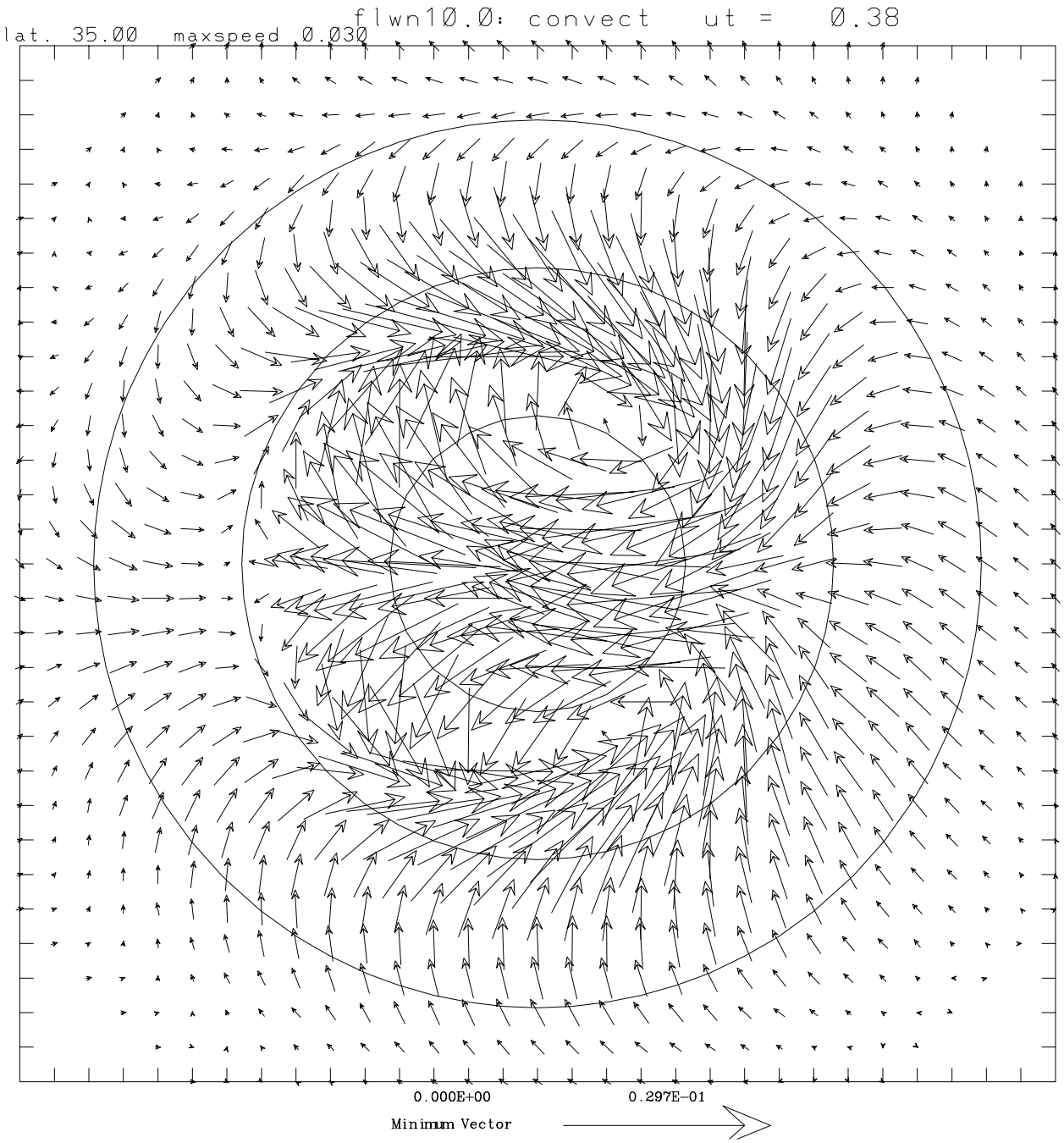
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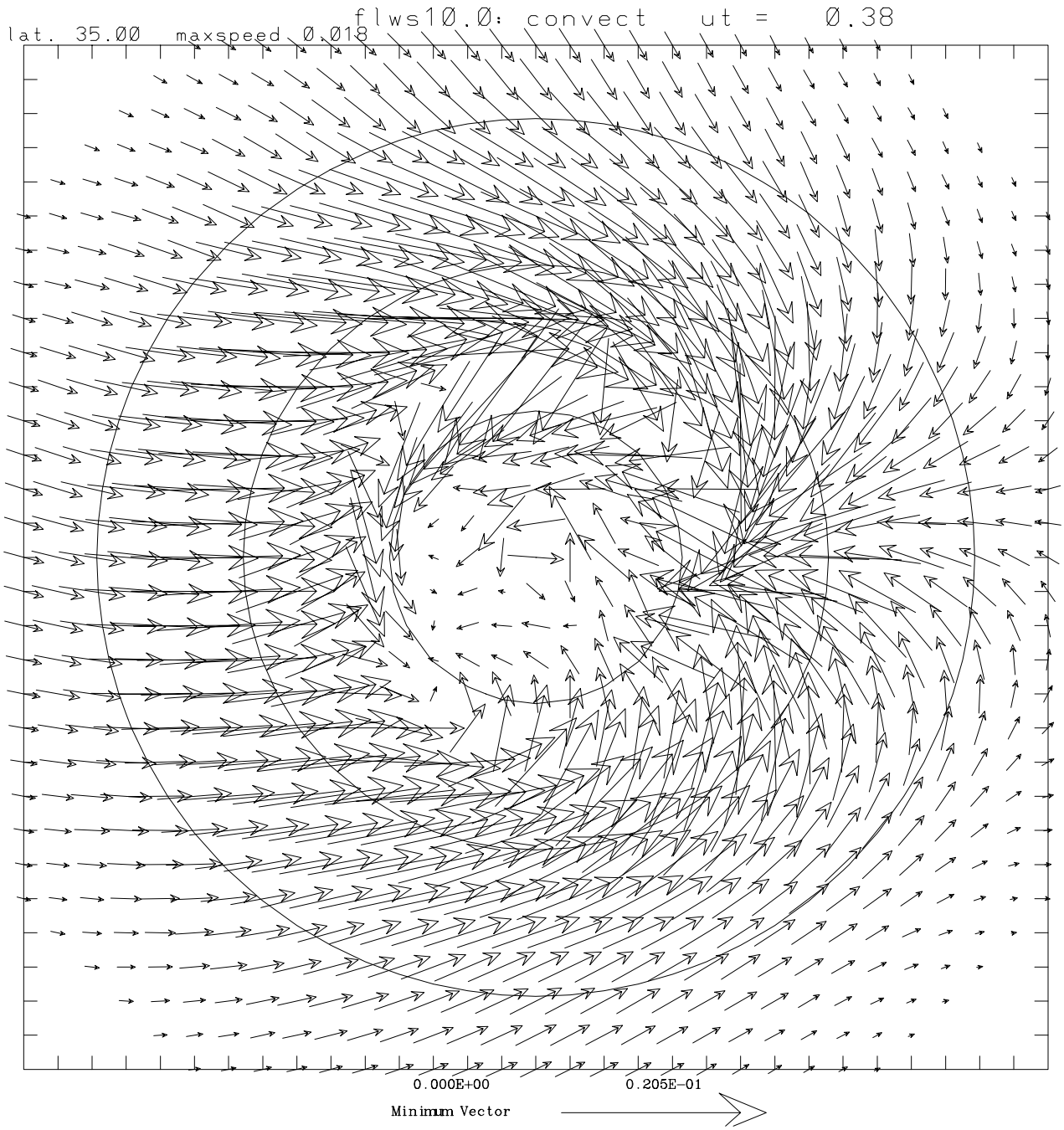
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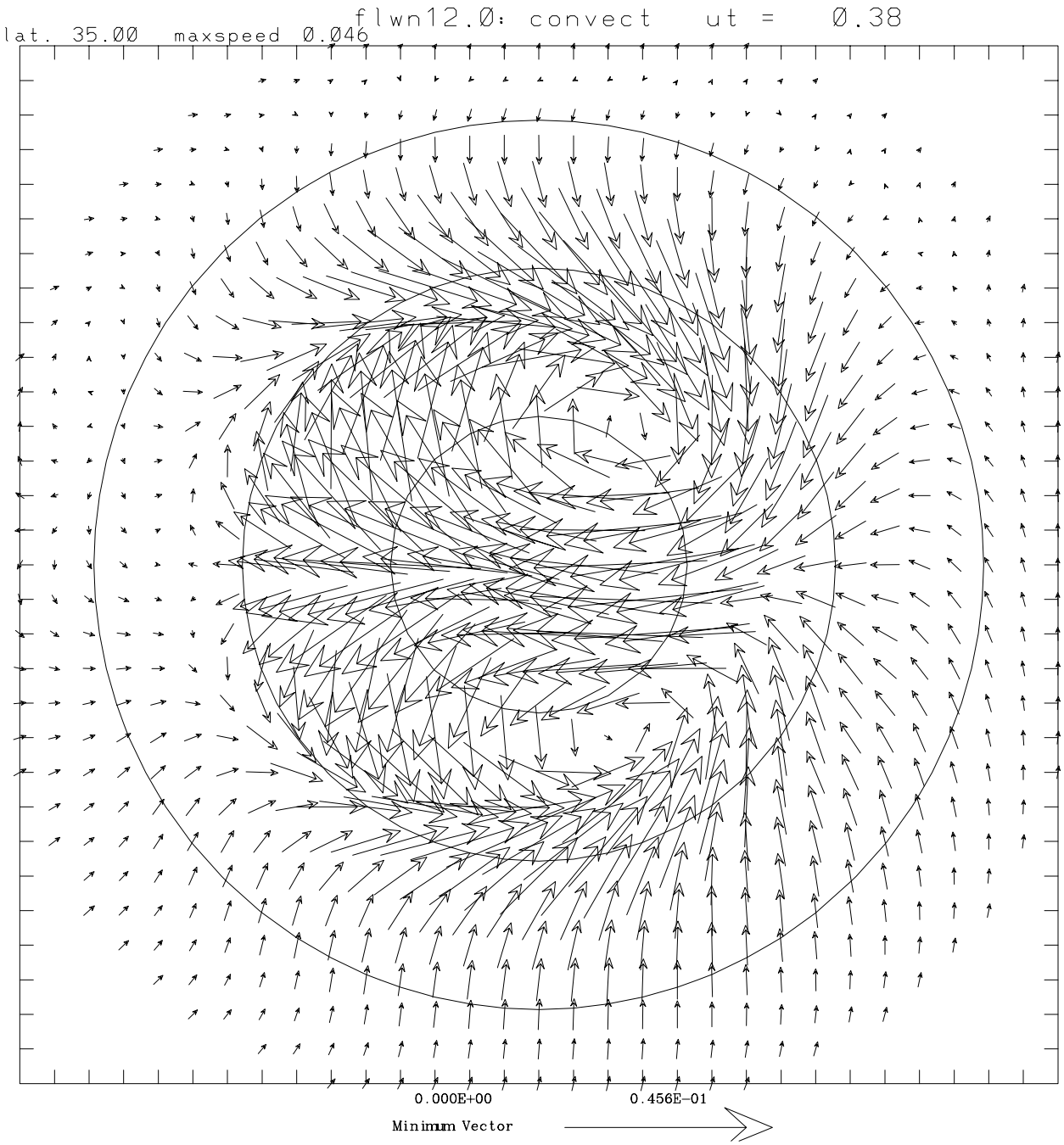
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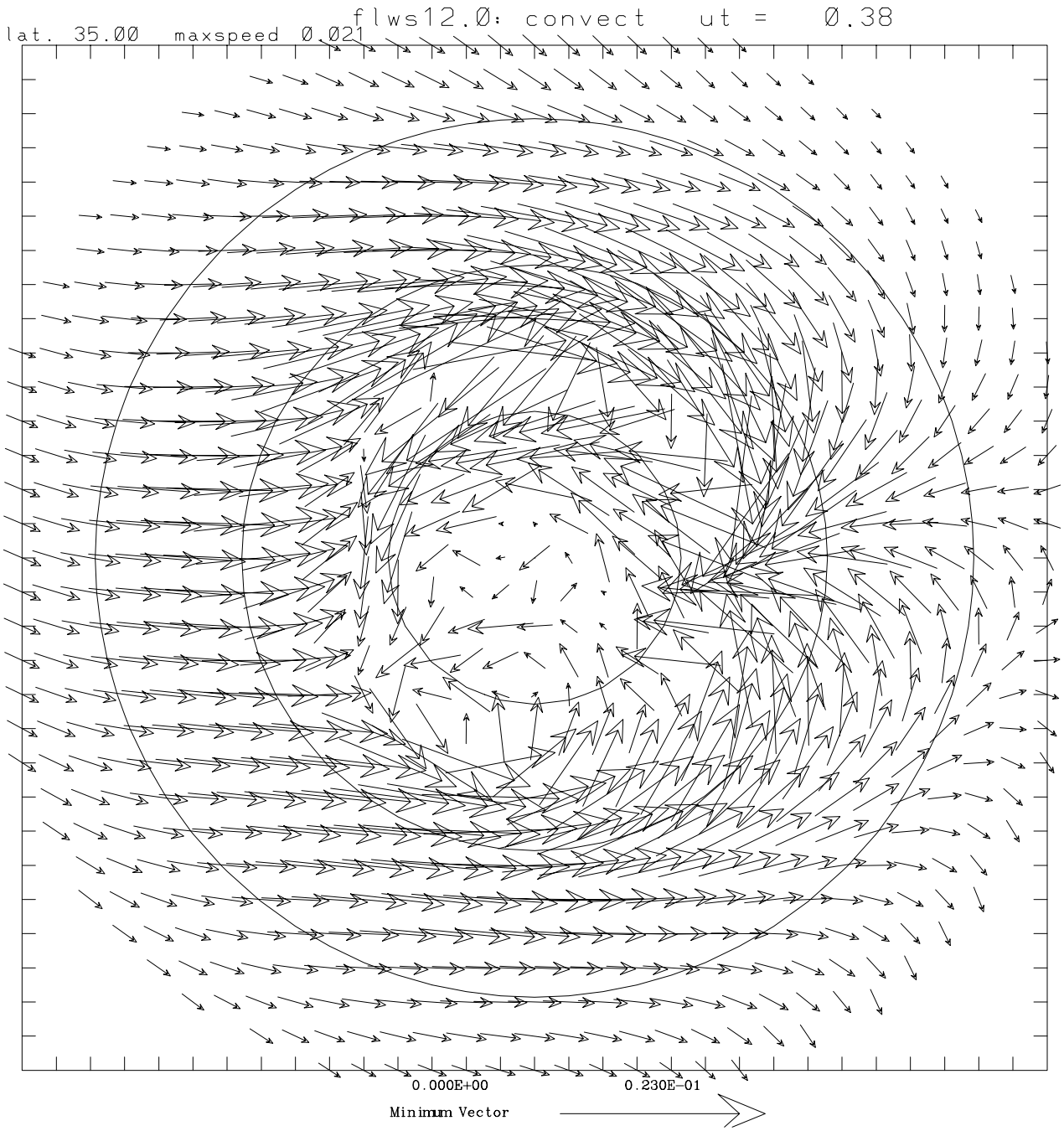
Minimum Vector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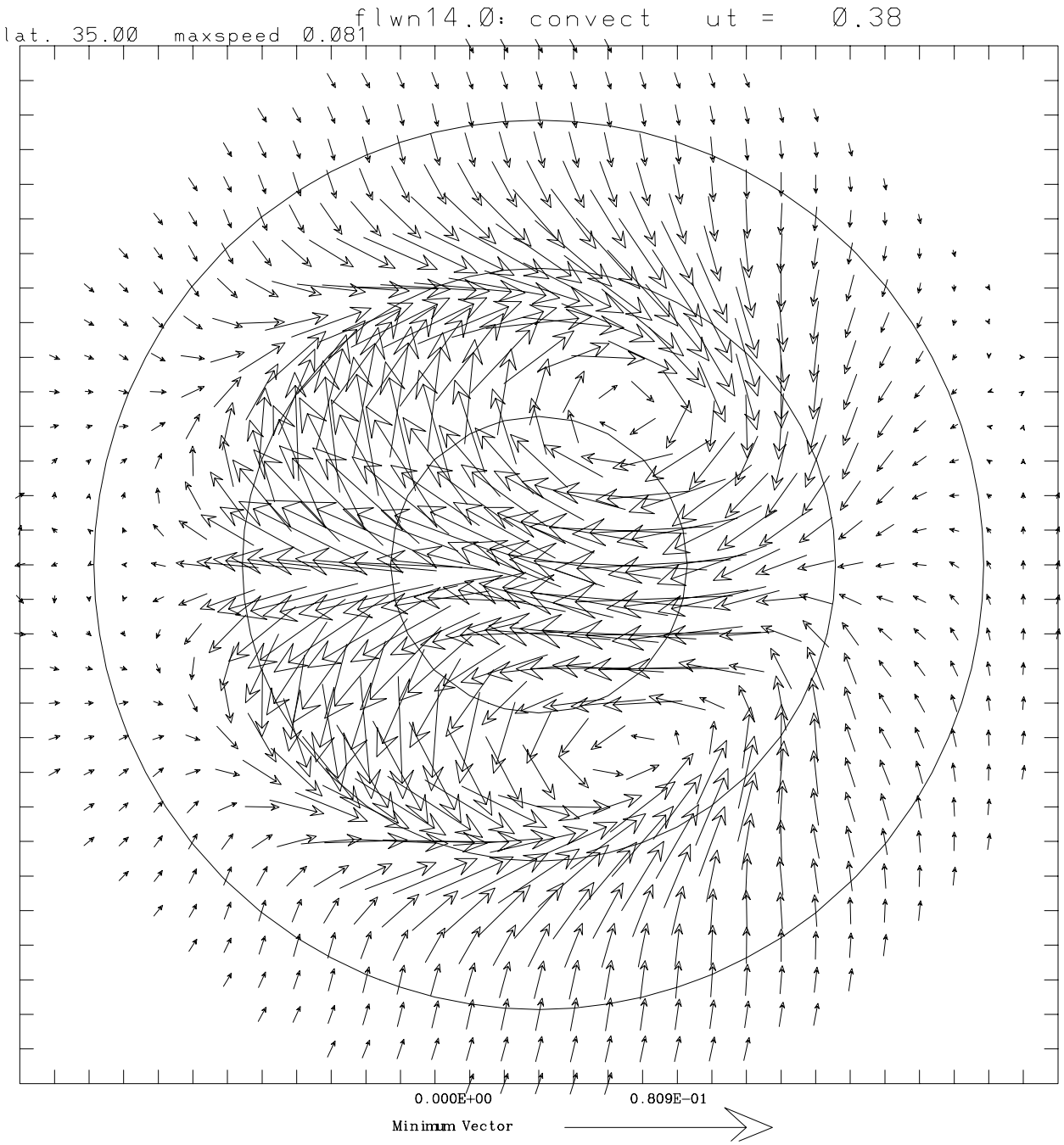
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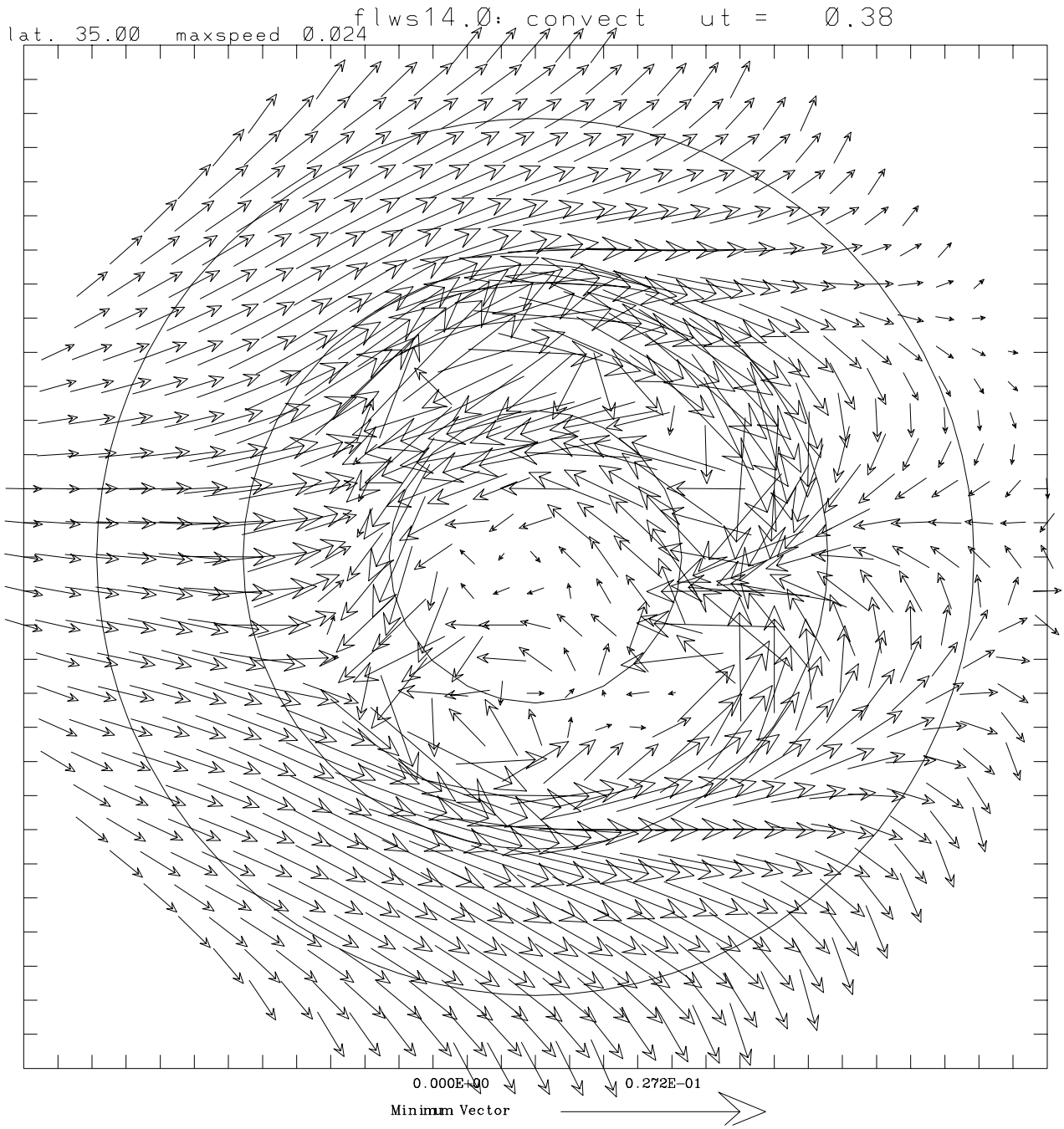
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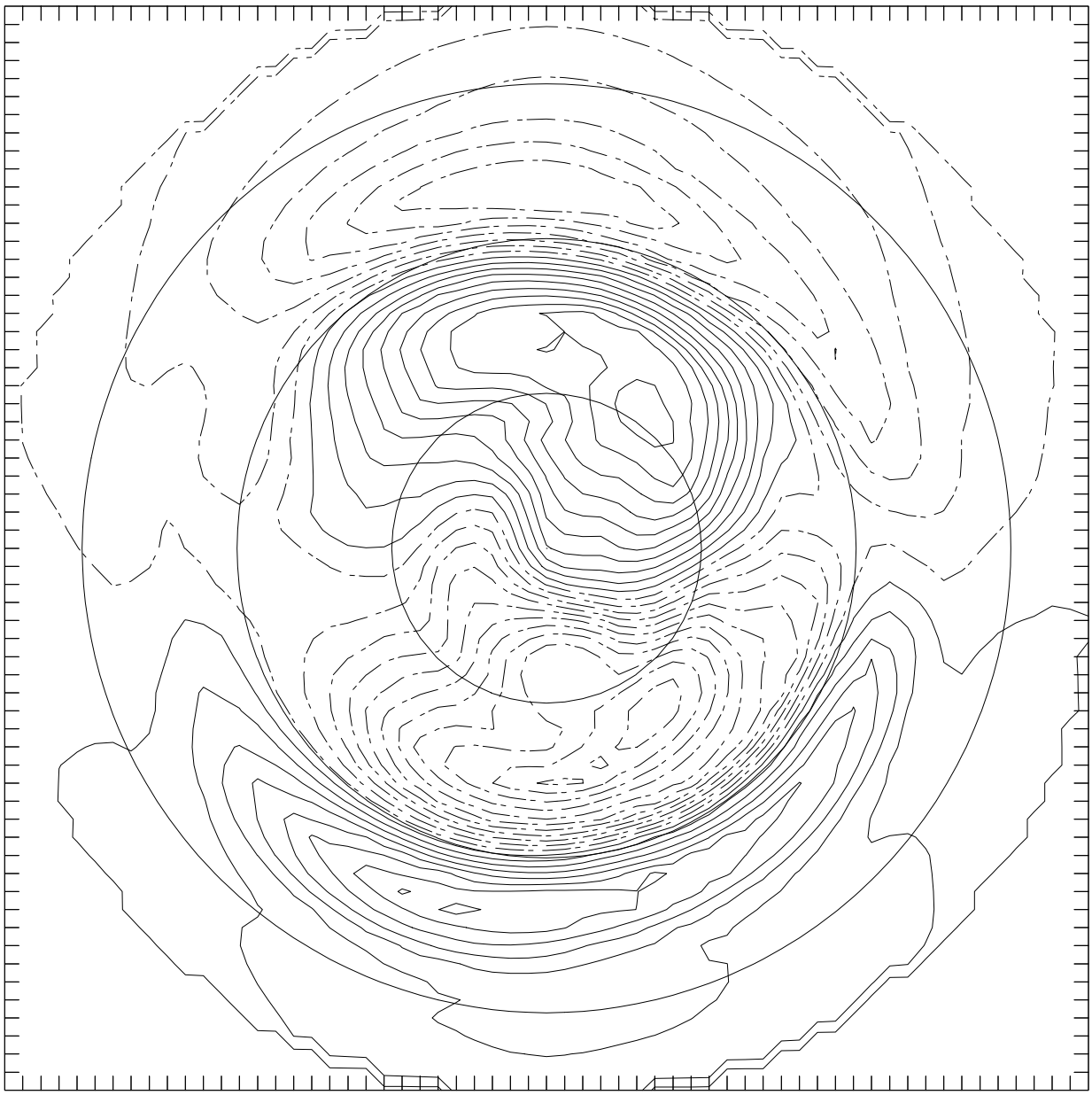
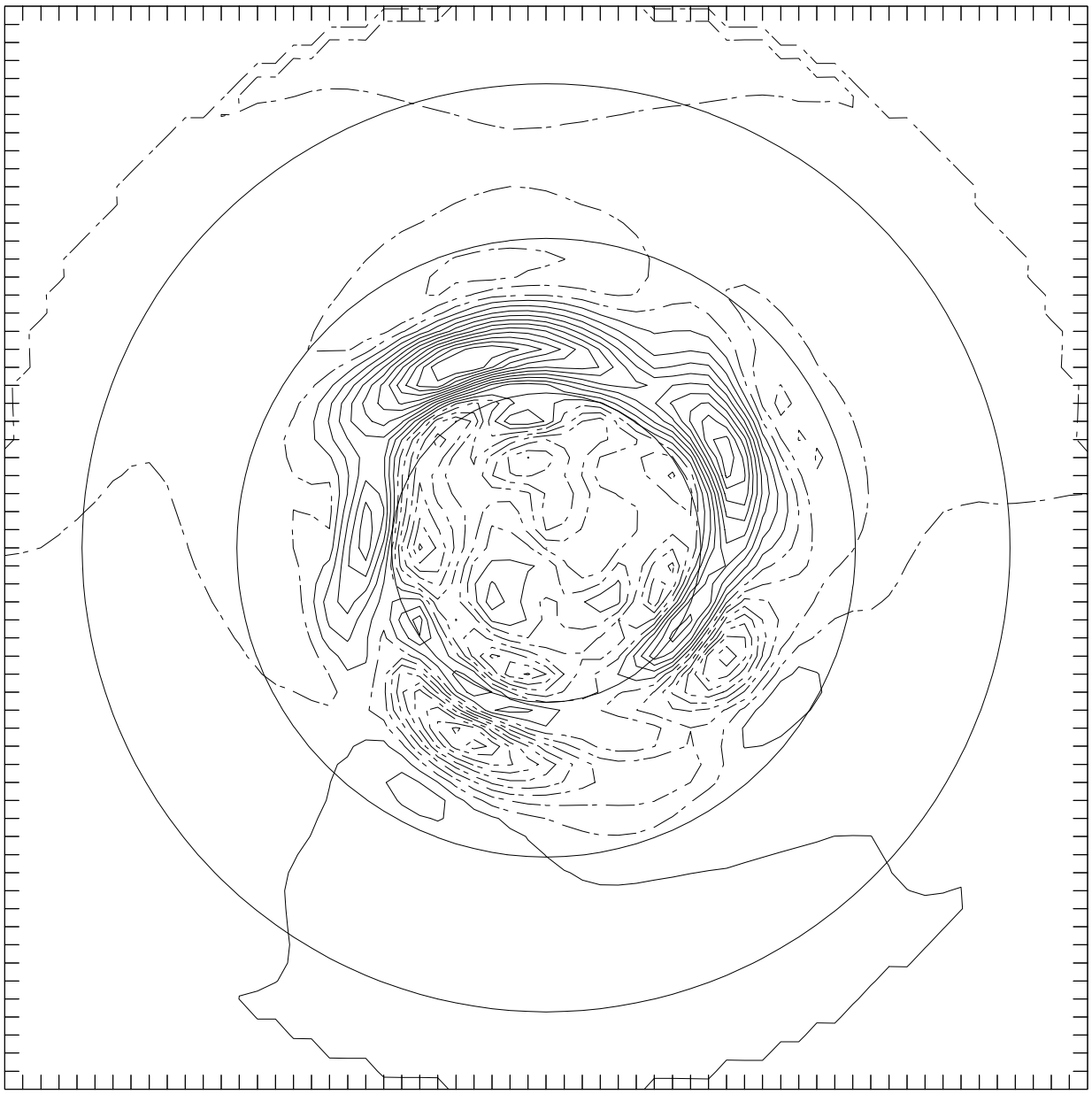
Minimum Vector

min -0.03 fmax 0.03 nth cap pot ut = 0.38



min -0.03 fmax 0.05 sth cap pot ut = 0.38

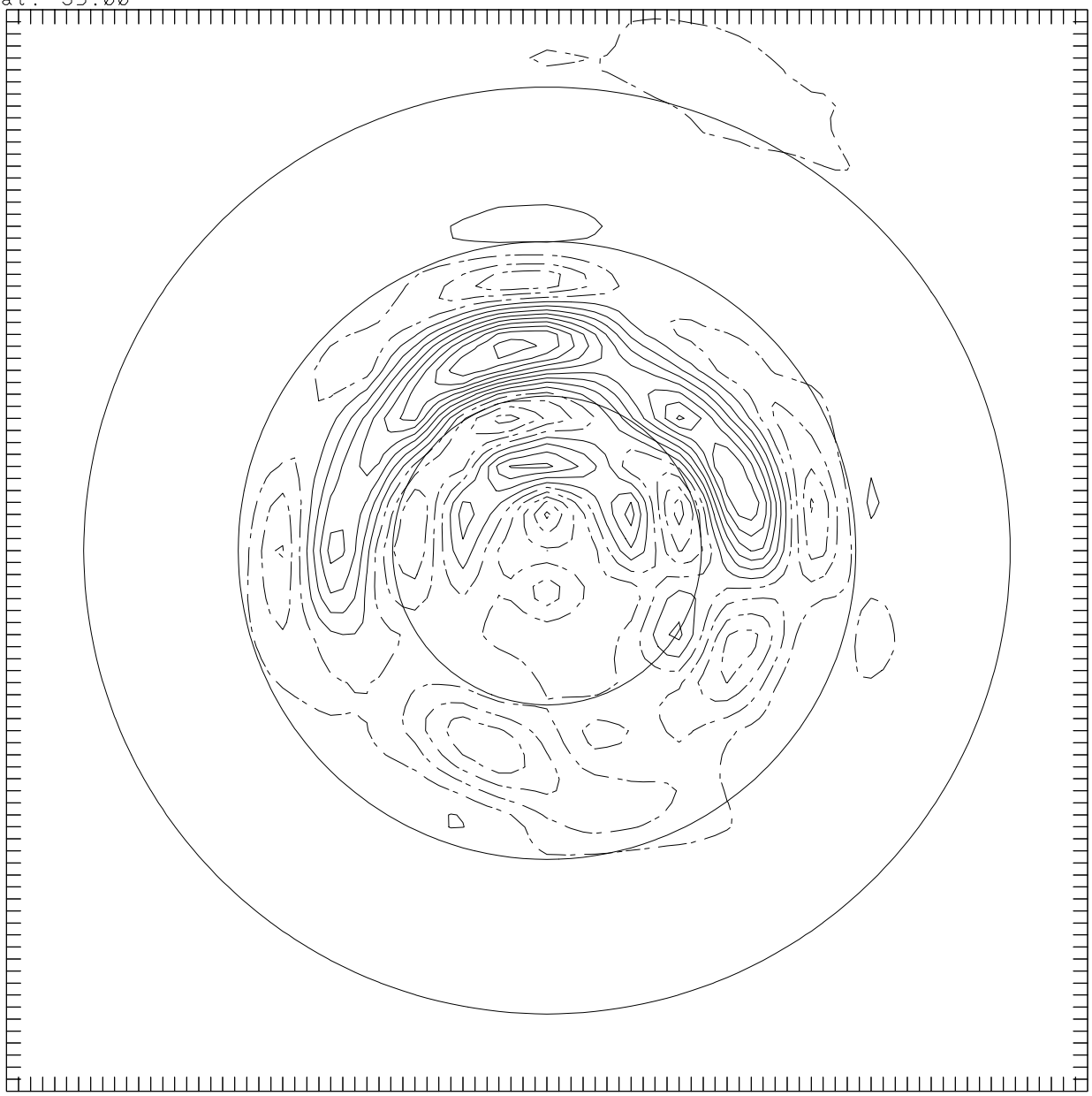


min-0.1268 fmax 0.1138
lat. 35.00

cur4 nth: aurora ut = 0.38

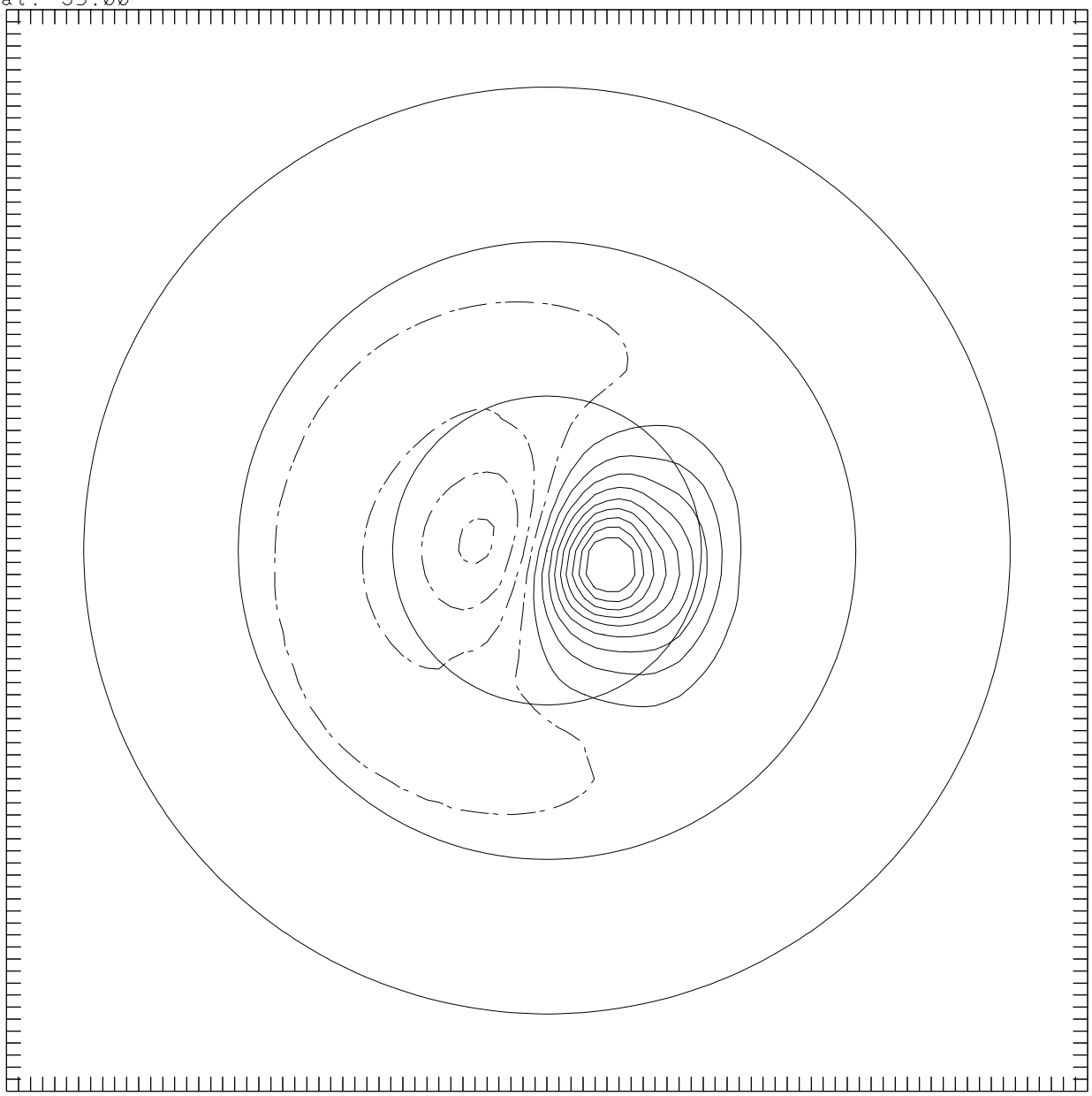
min-0.0450 fmax 0.0882
lat. 35.00

cur4 sth: aurora ut = 0.38



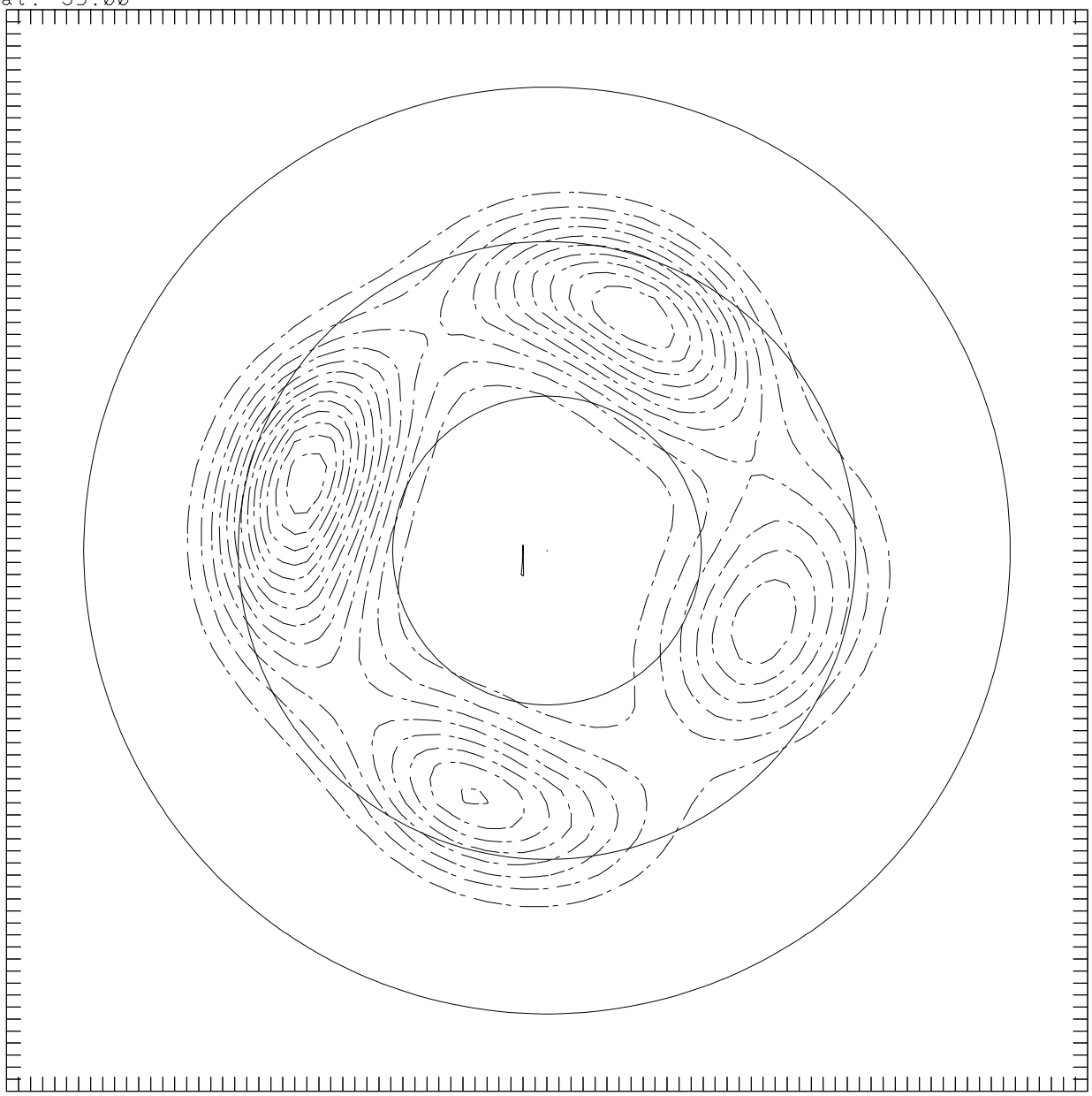
min-0.2783 fmax 0.8130
lat. 35.00

qfluxnth: aurora ut = 0.38



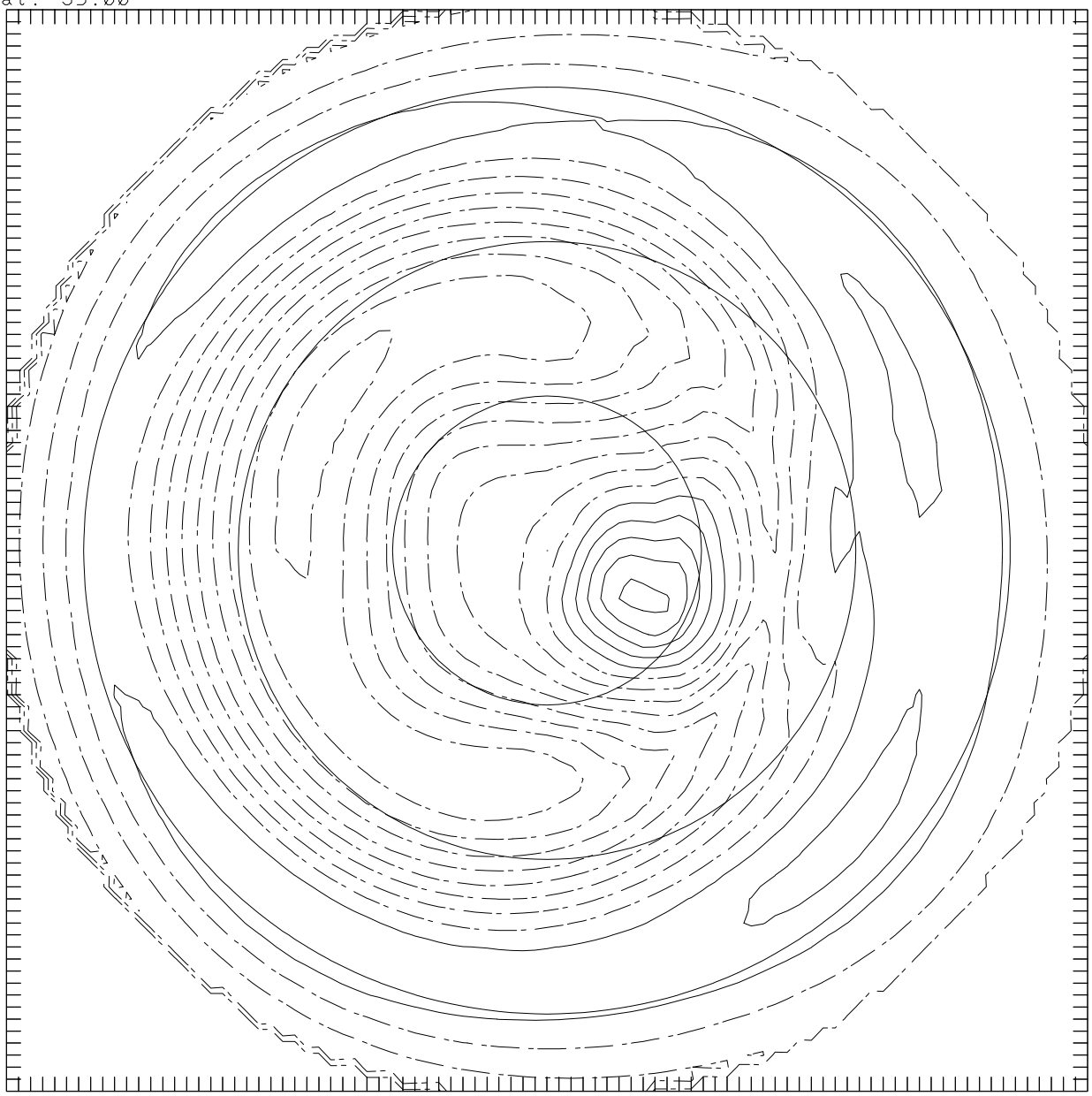
min-0.0772 fmax 0.0000
lat. 35.00

qfluxsth: aurora ut = 0.38



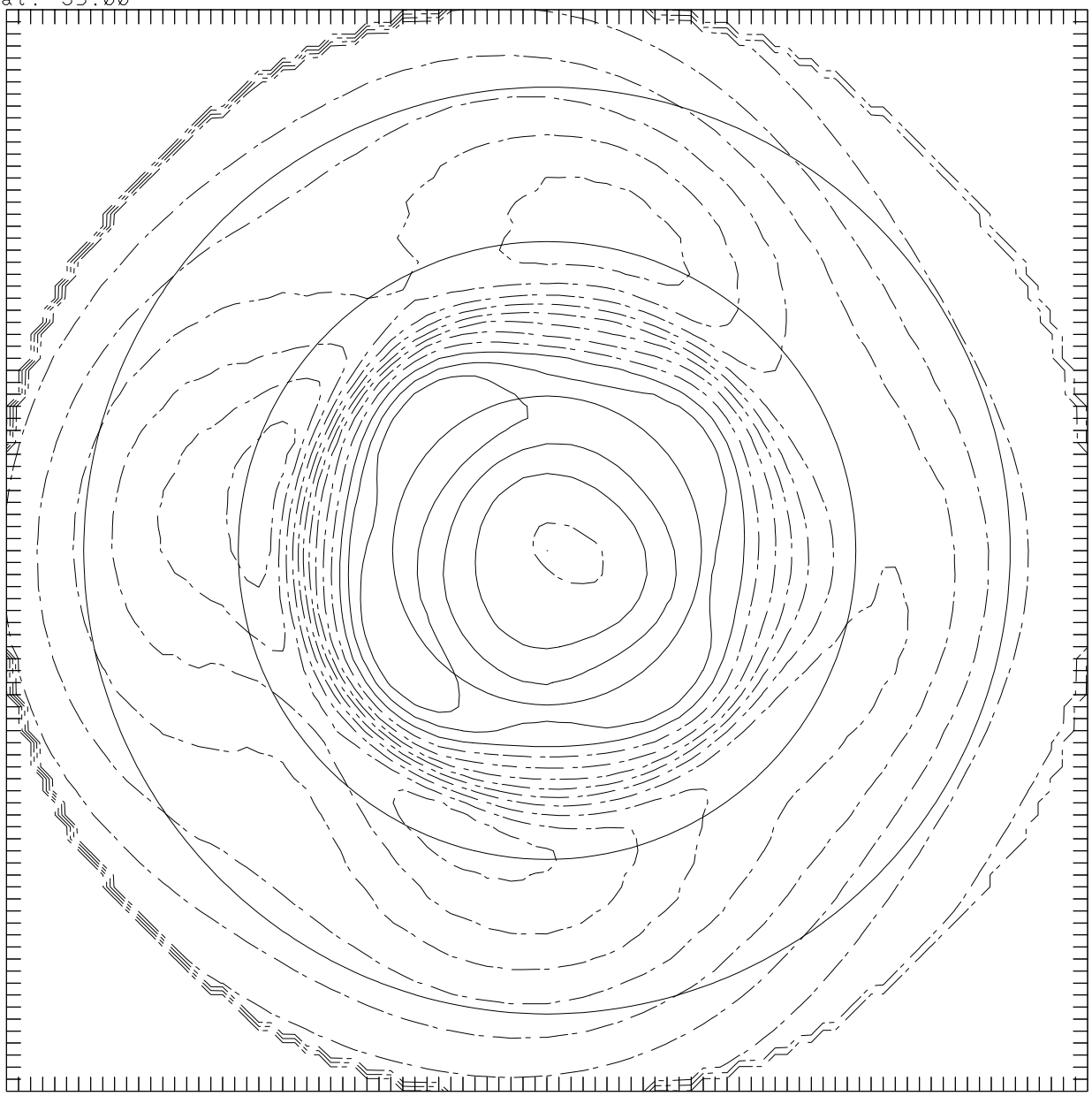
min-0.0581 fmax 0.0331
lat. 35.00

hfluxnth: aurora ut = 0.38



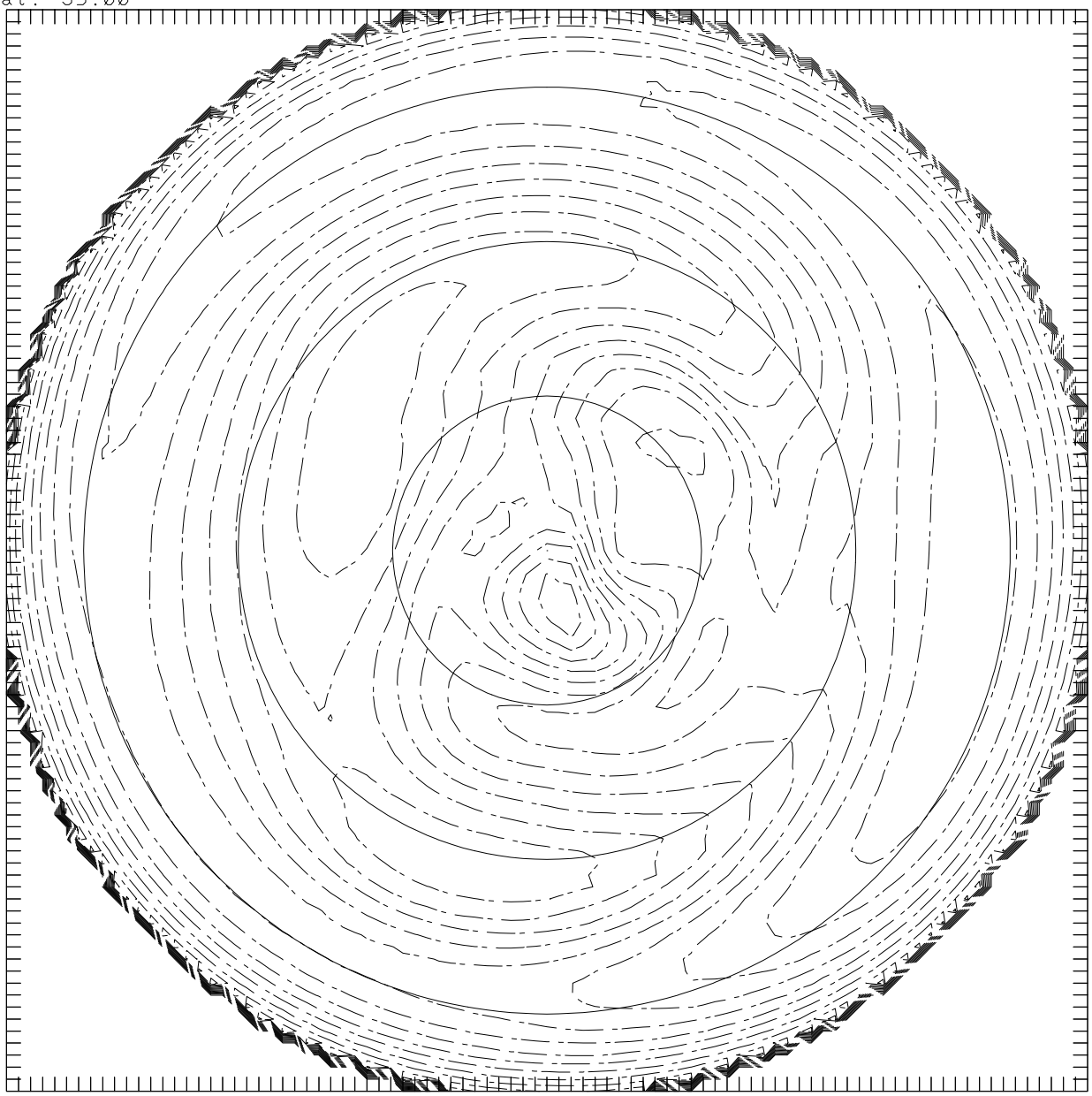
min-0.0581 fmax 0.0248
lat. 35.00

hfluxsth: aurora ut = 0.38



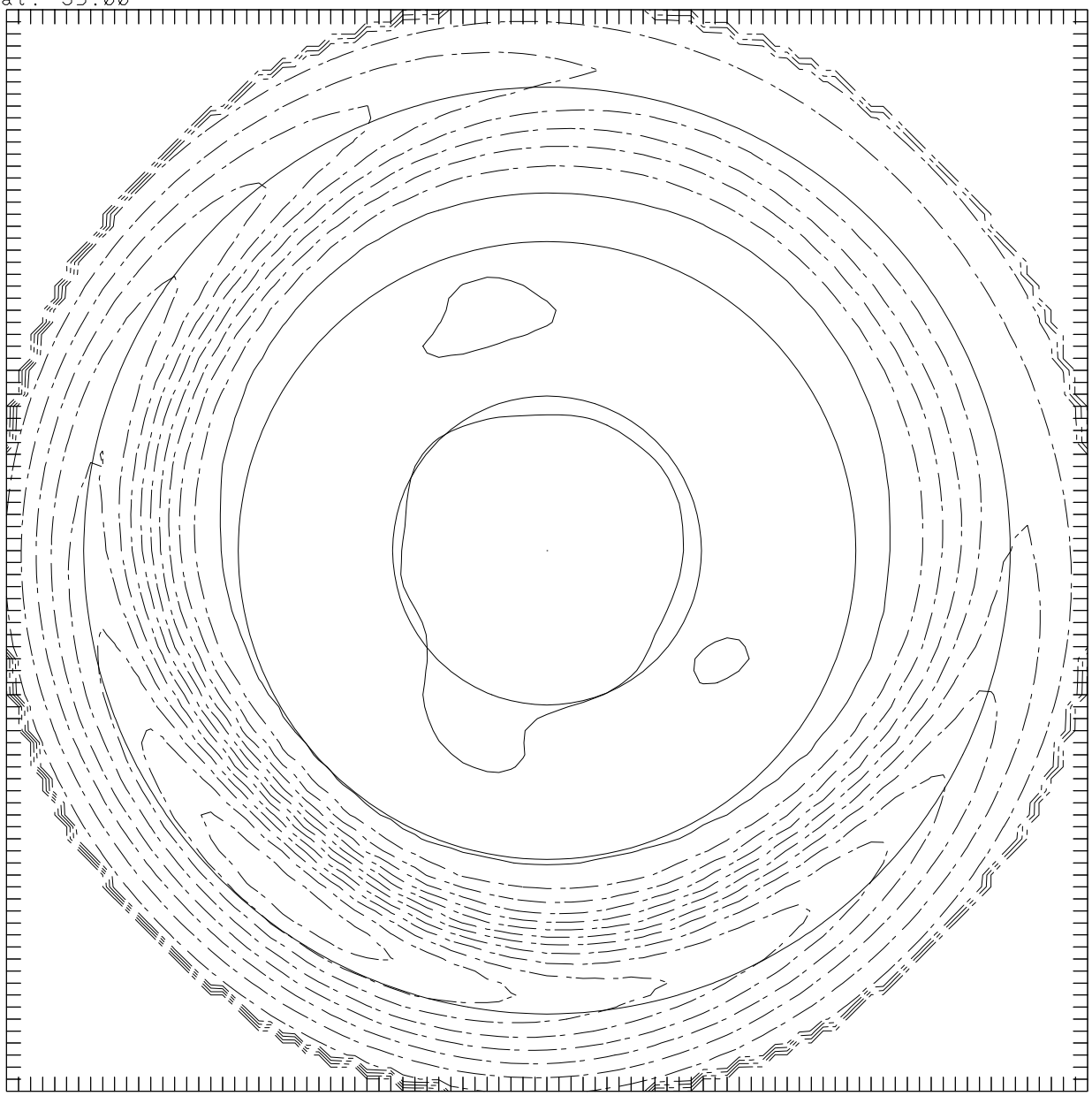
min-0.0117 fmax 0.0000
lat. 35.00

ofluxnth: aurora ut = 0.38



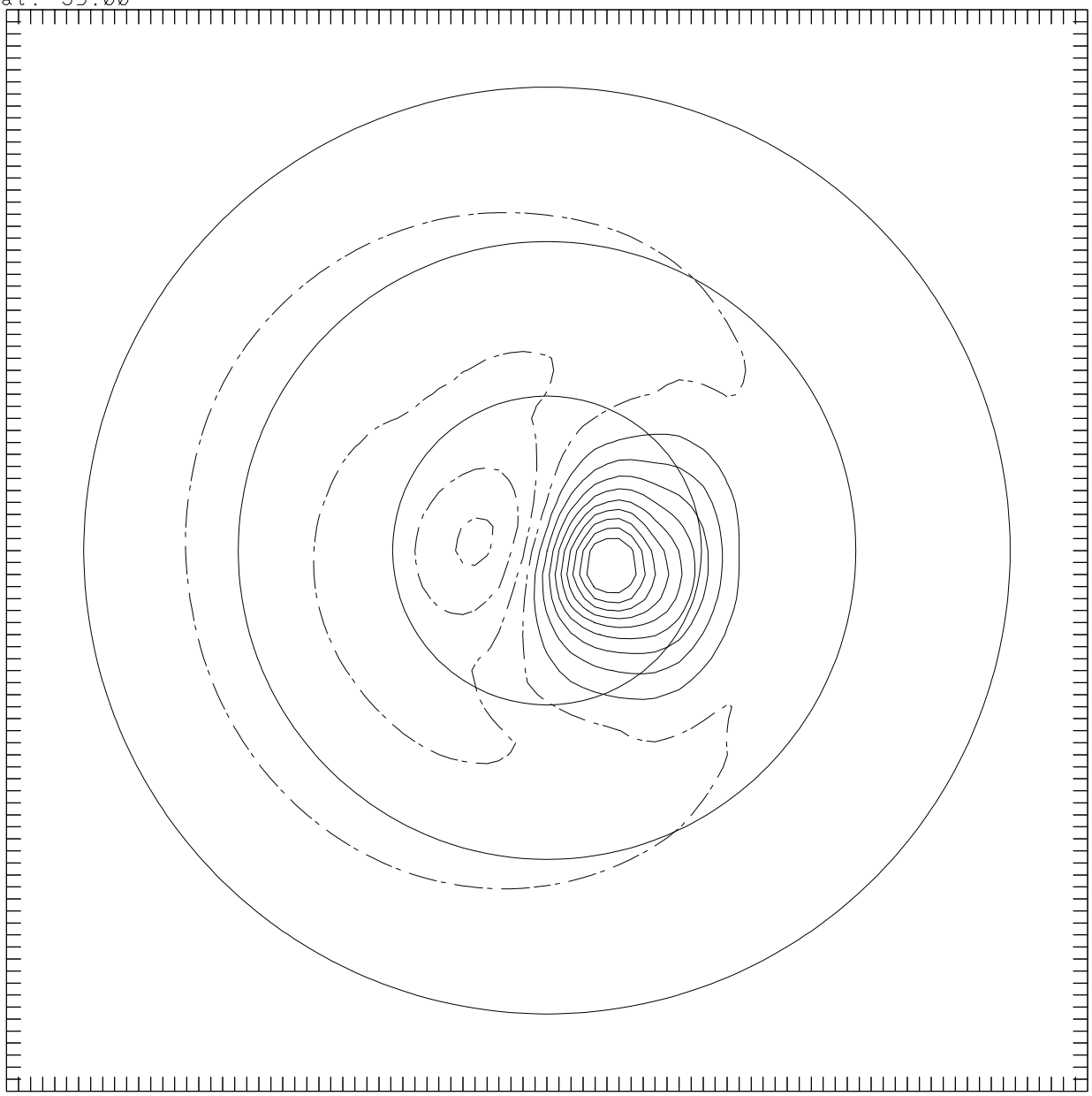
min-0.0460 fmax 0.0080
lat. 35.00

ofluxsth: aurora ut = 0.38



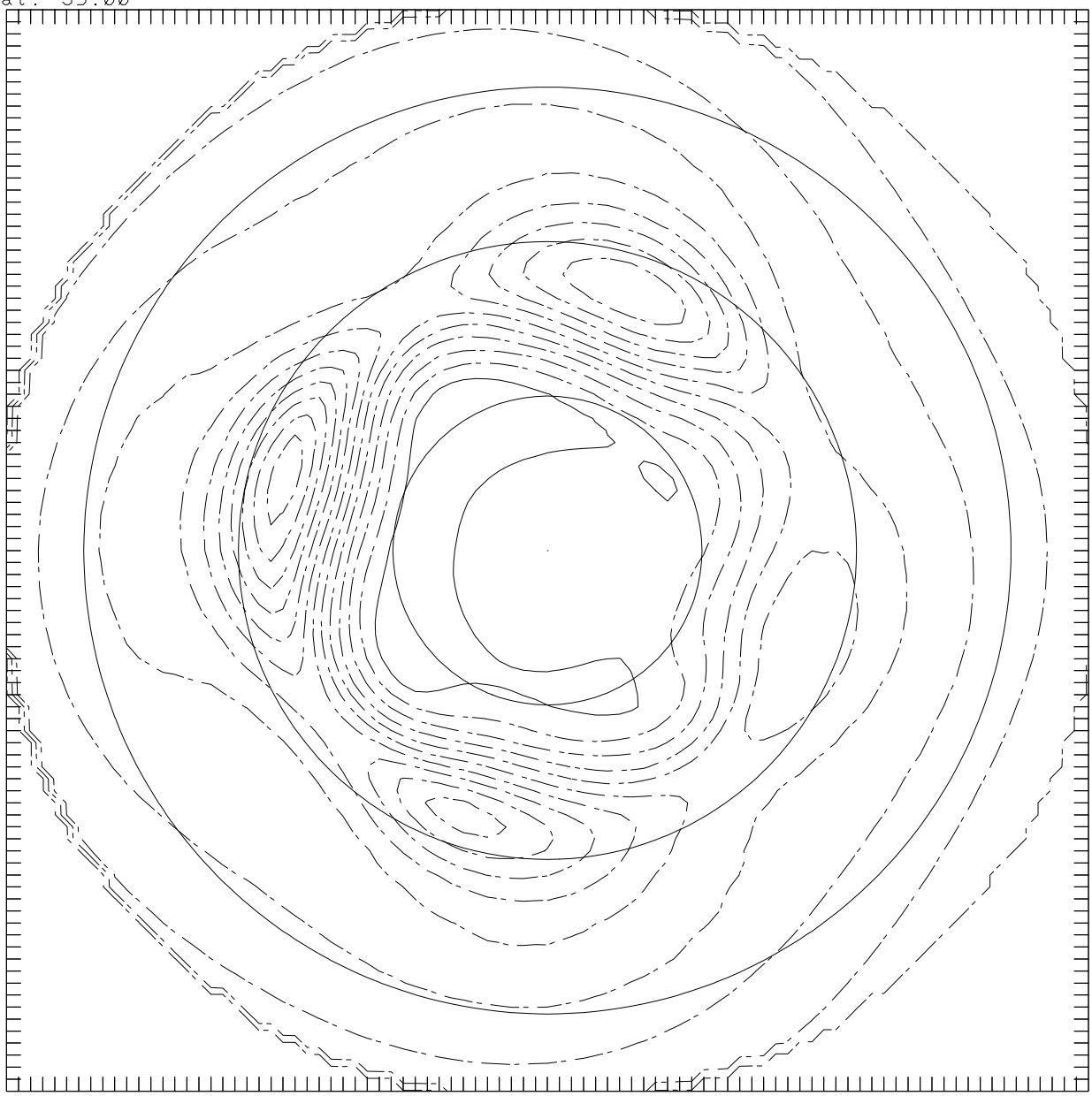
min-0.2891 fmax 0.8386
lat. 35.00

efluxnth: aurora ut = 0.38



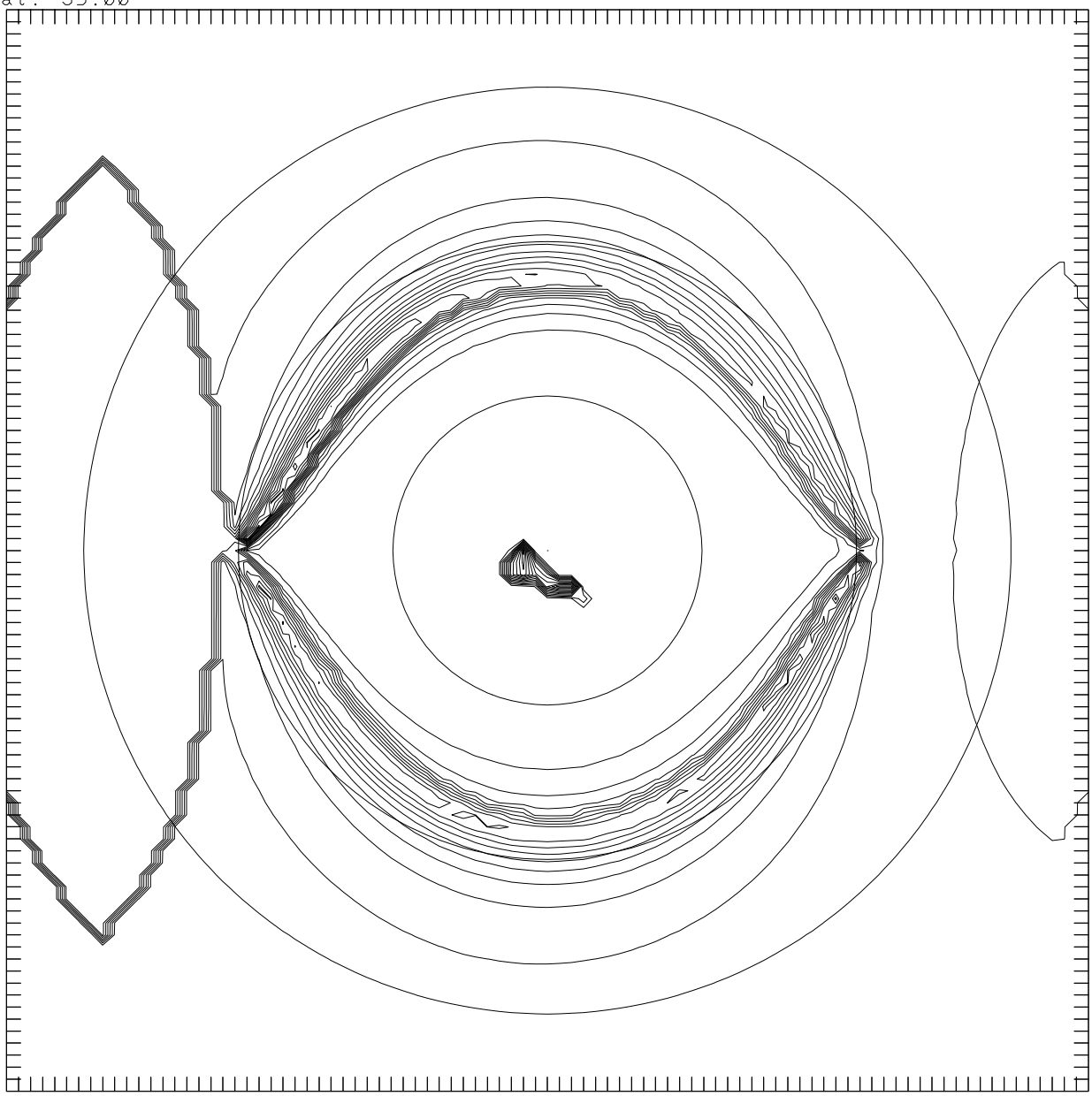
min-0.1251 fmax 0.0212
lat. 35.00

efluxsth: aurora ut = 0.38



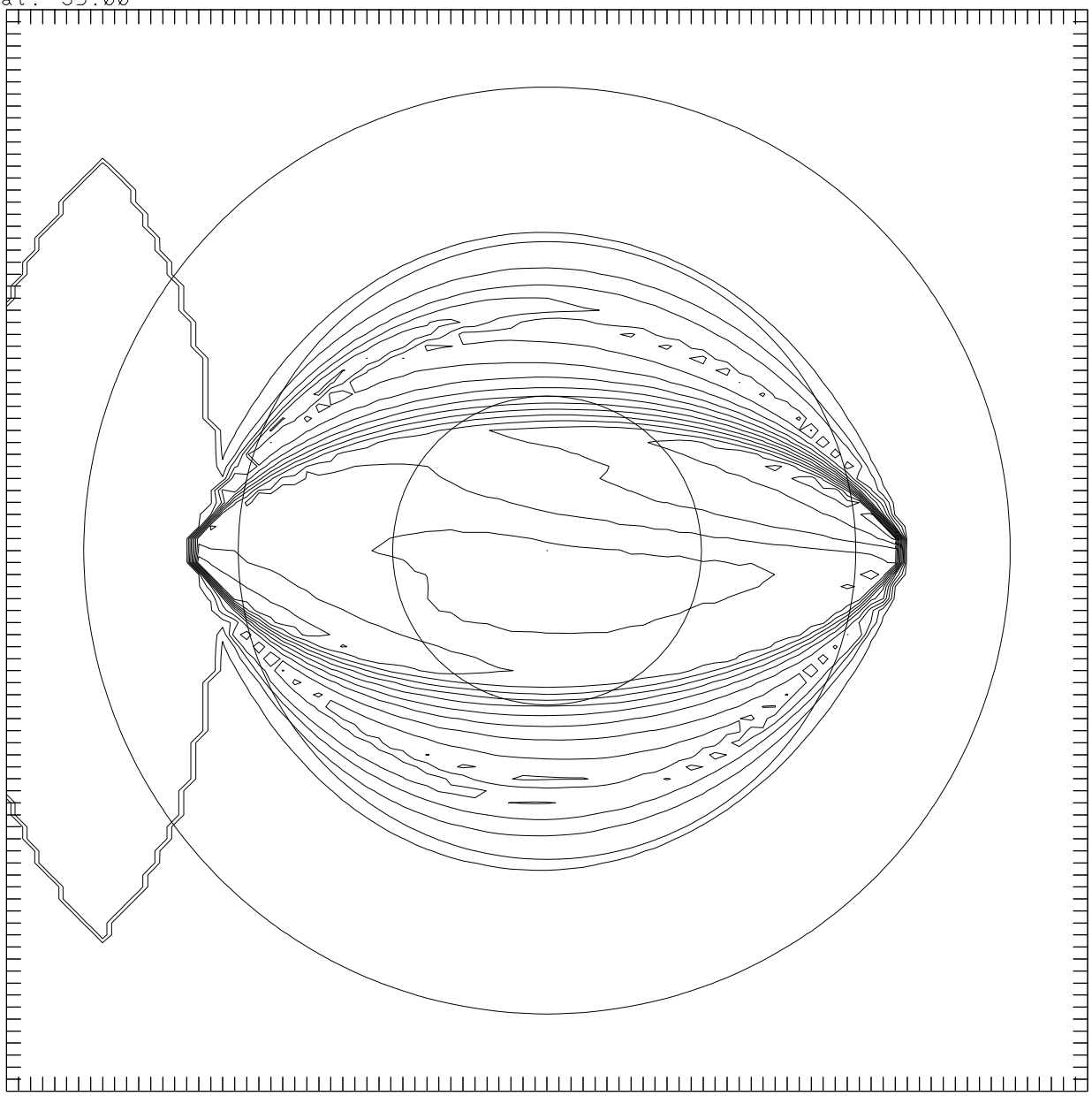
min 0.0000 0.0897
lat. 35.00

itempnth: intensity ut = 0.38



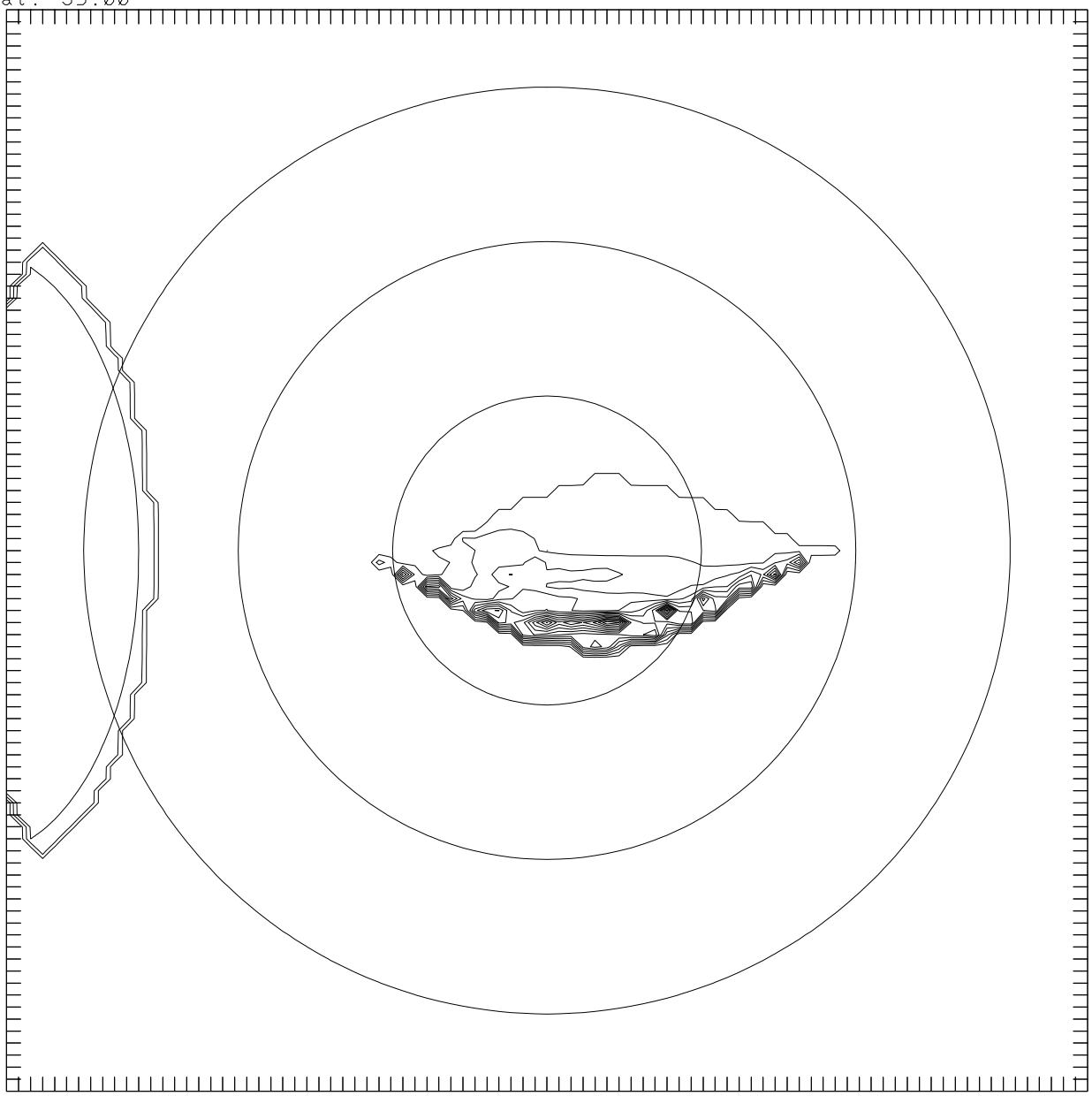
min 0.0000 0.1995
lat. 35.00

itempsth: intensity ut = 0.38



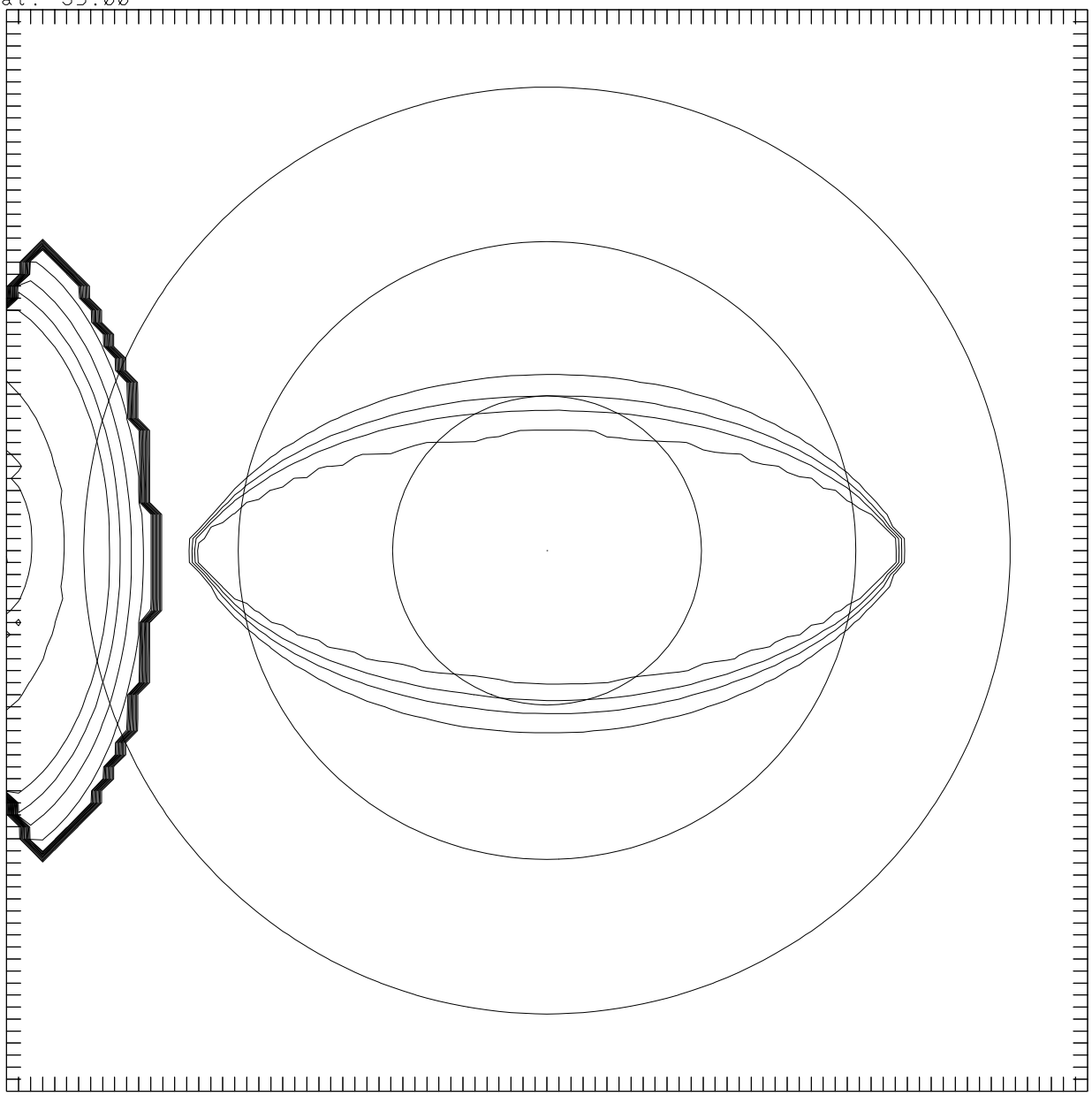
min 0.0000 34.5891
lat. 35.00

otempnth: intensity ut = 0.38



min 0.0000 9.1123
lat. 35.00

otempsth: intensity ut = 0.38



min 0.0000 0.0011
lat. 35.00

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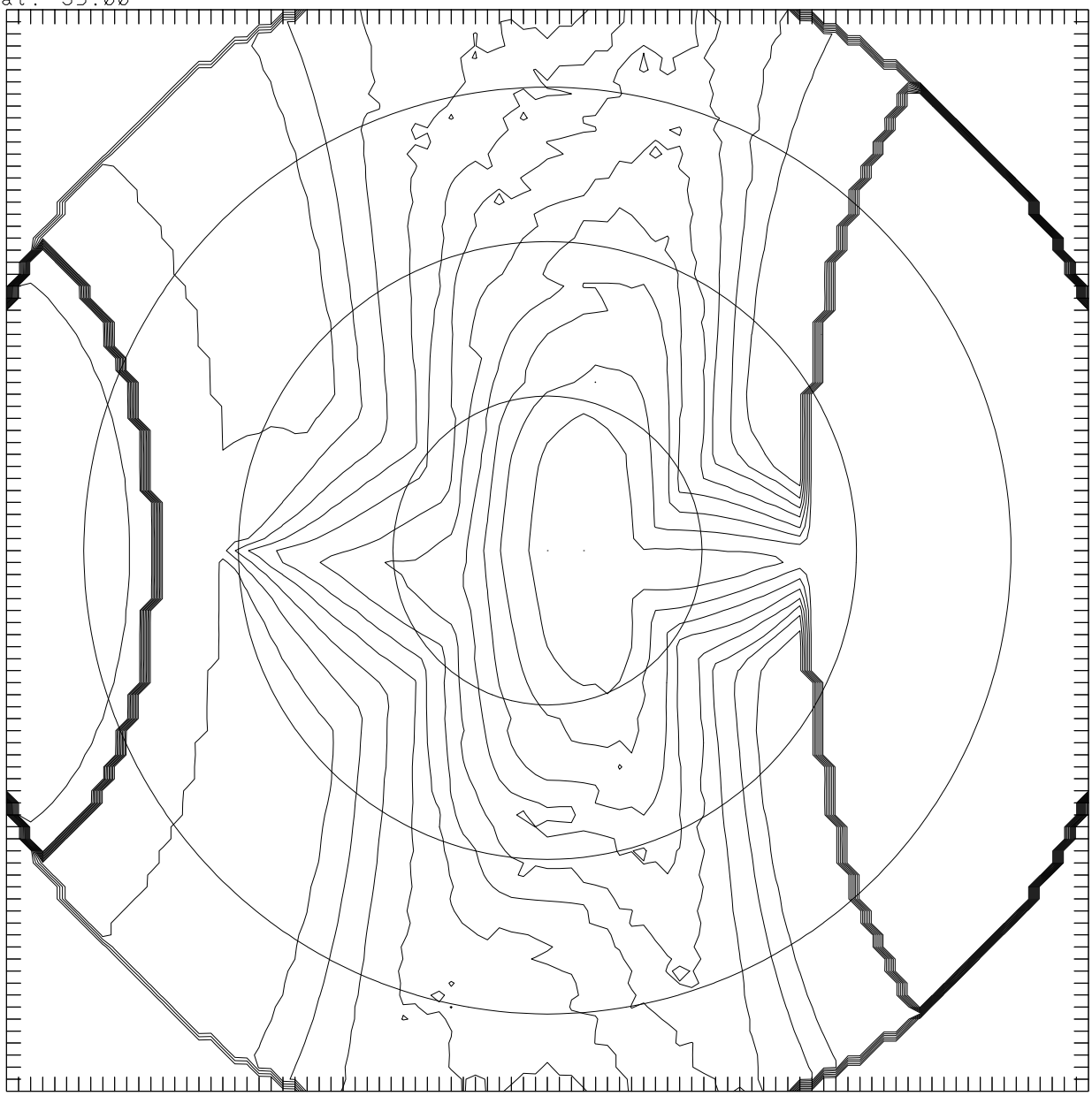
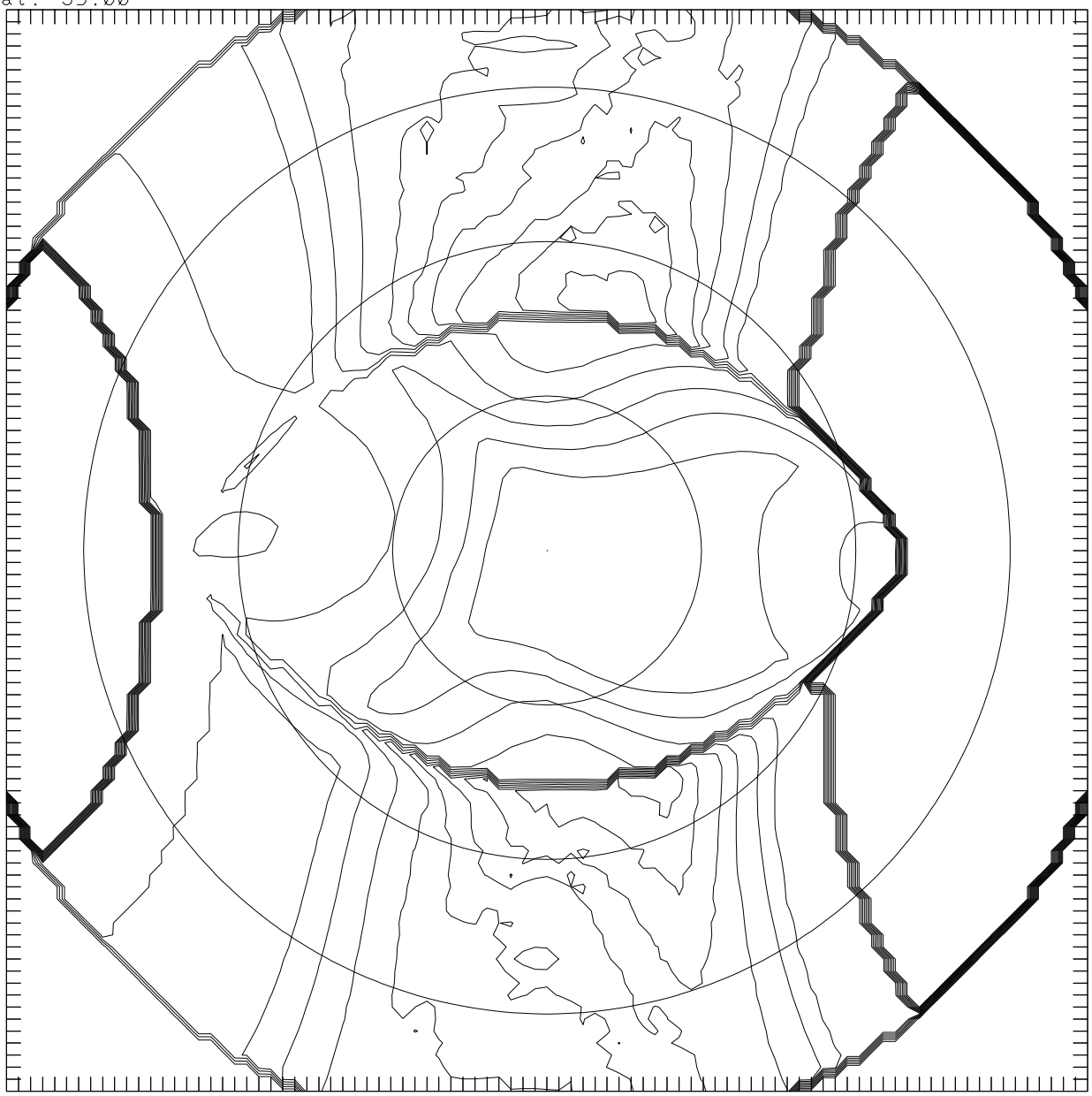


min 0.0000 0.0010
lat. 35.00

qtempsth: intensity ut = 0.38



min 0.0000 0.2038
lat. 35.00

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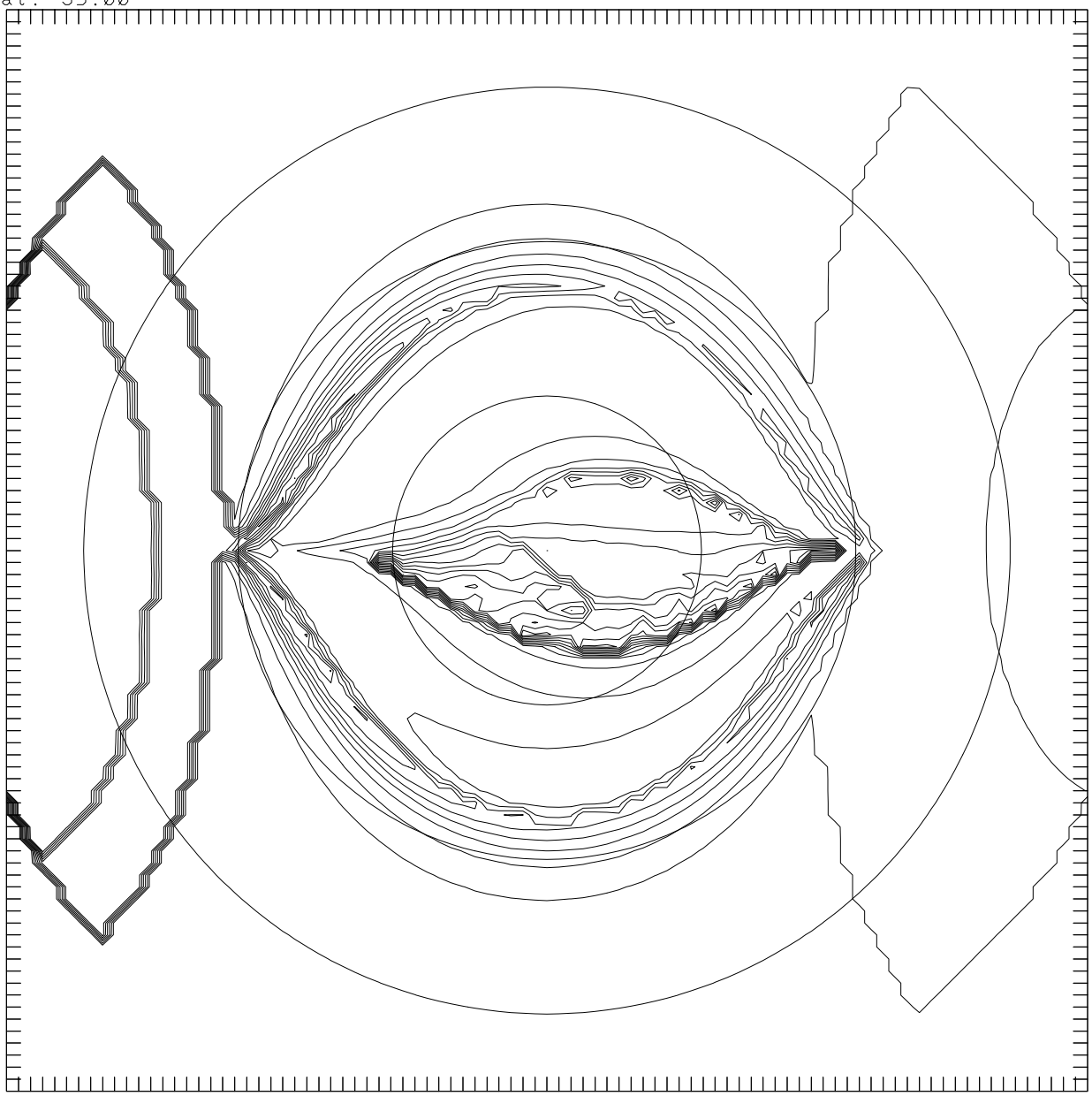
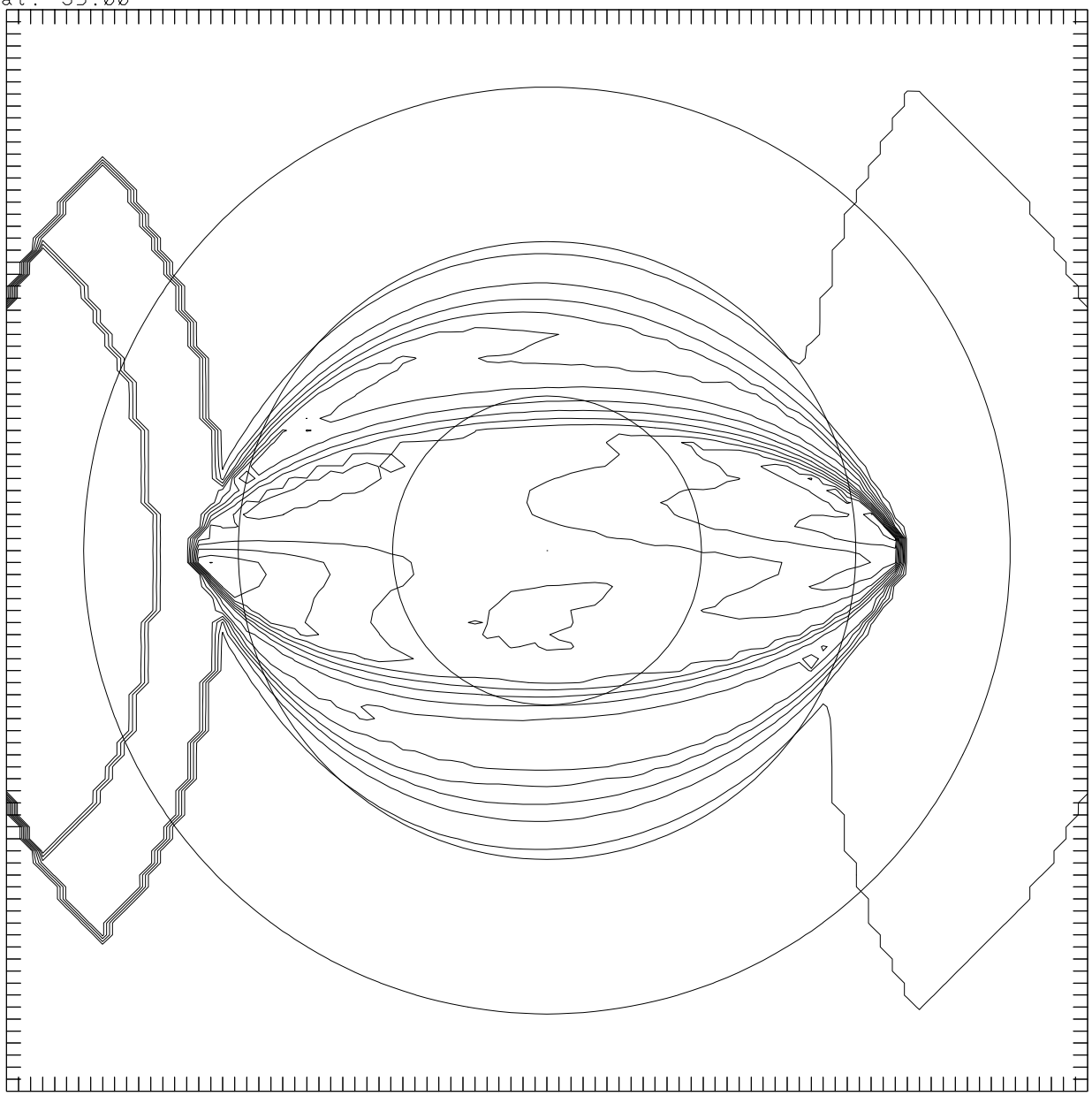


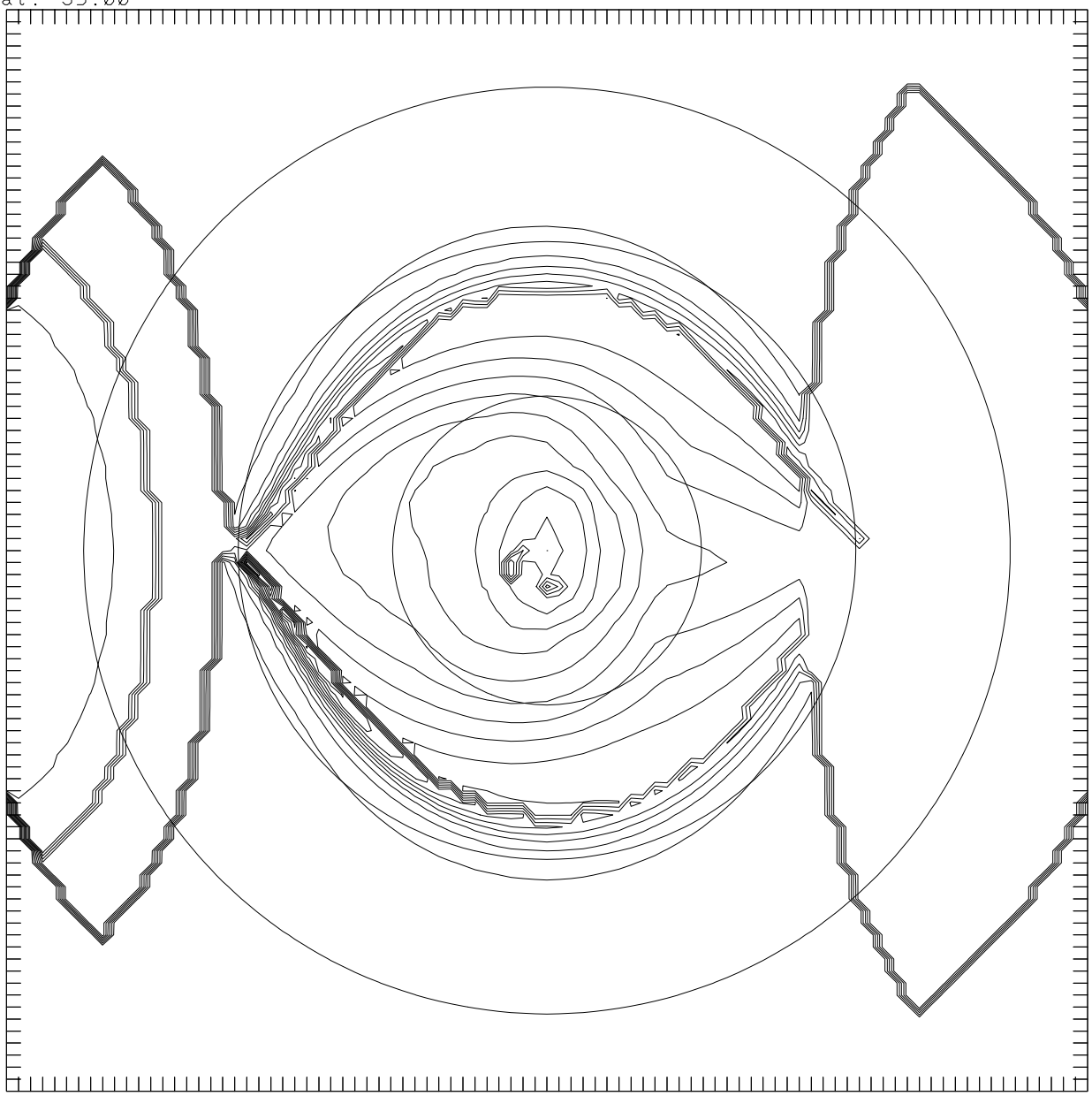
min 0.0000 0.3021
lat. 35.00

htempsth: intensity ut = 0.38



min 0.0000 0.0599
lat. 35.00

etempnth: intensity ut = 0.38



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lat. 35.00

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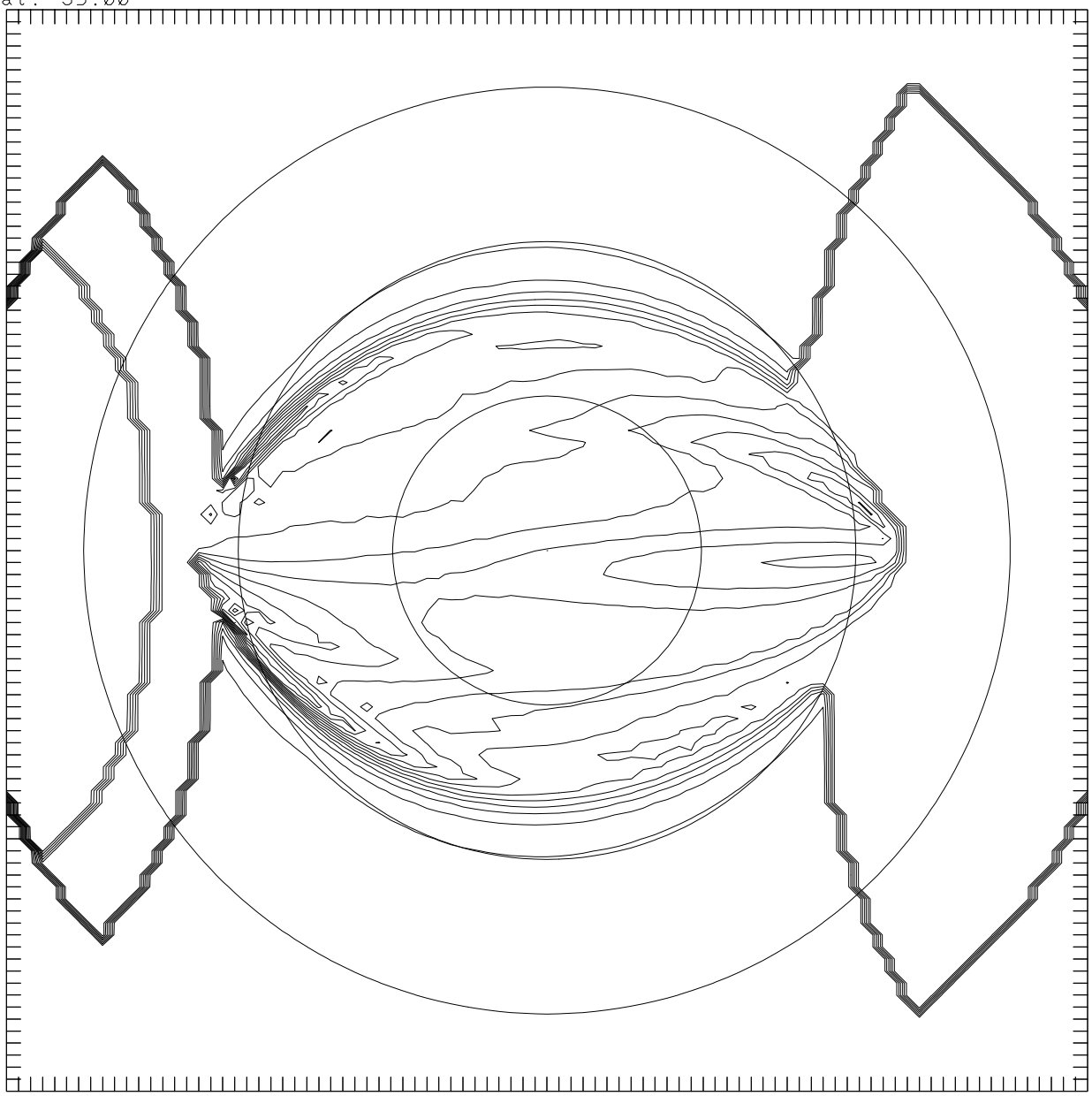

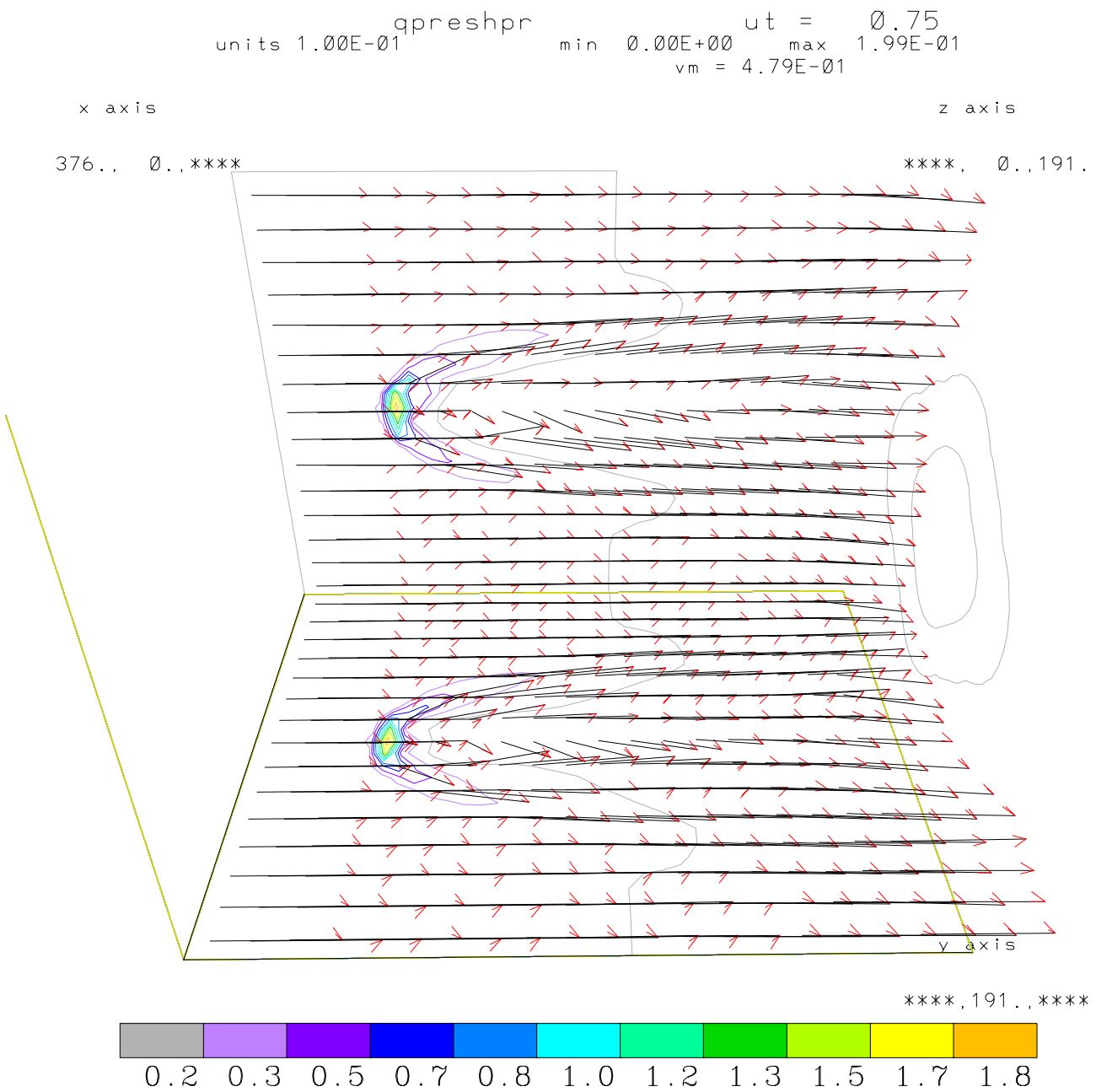
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max 1.99E-01
vm = 4.79E-01
x axis
z axis
376., 0.,****
****, 0.,191.
y axis
****,191.,****
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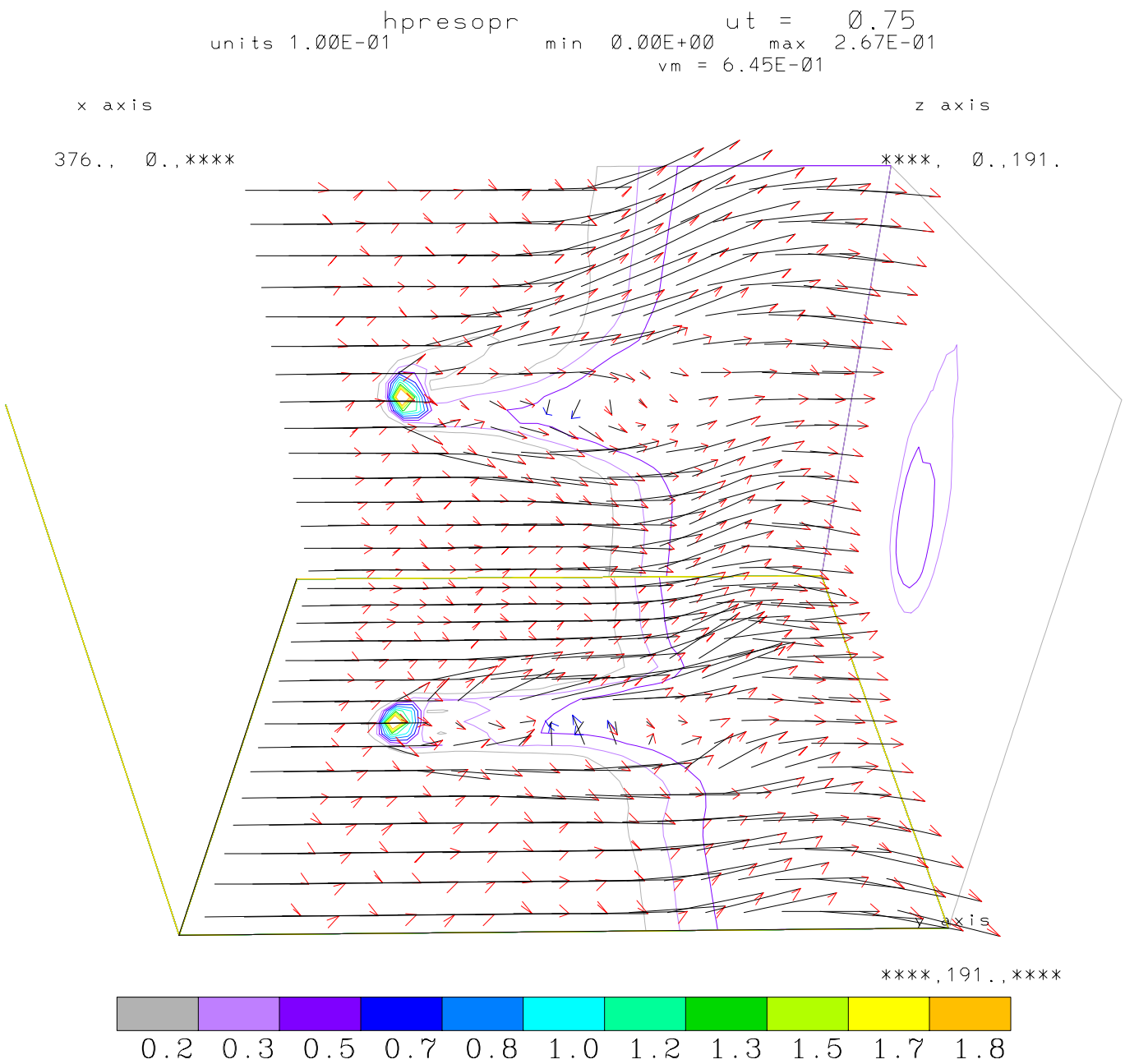
0.3
0.5
0.7
0.8
1.0
1.2
1.3
1.5
1.7
1.8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units 1.00E-01
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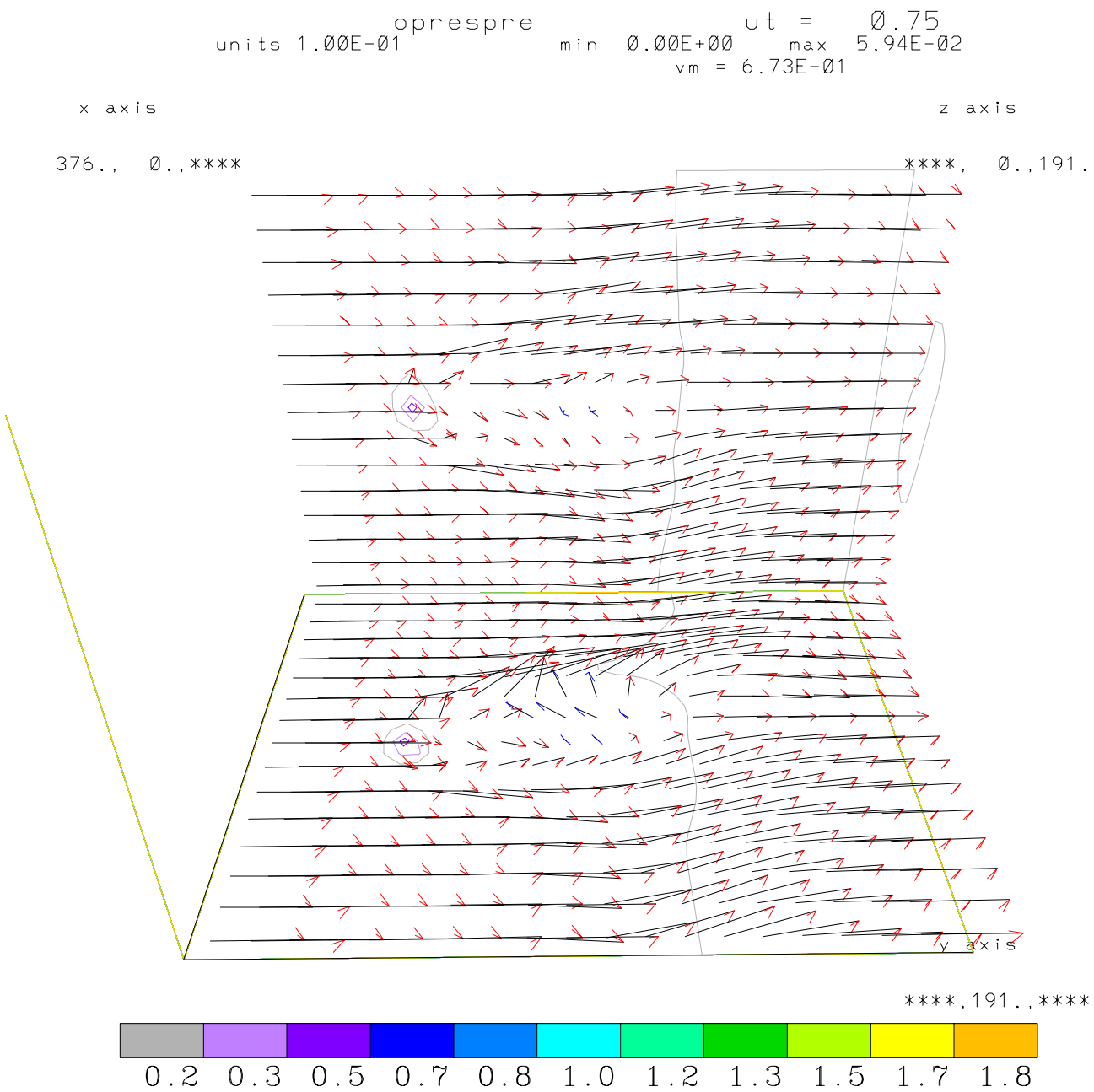
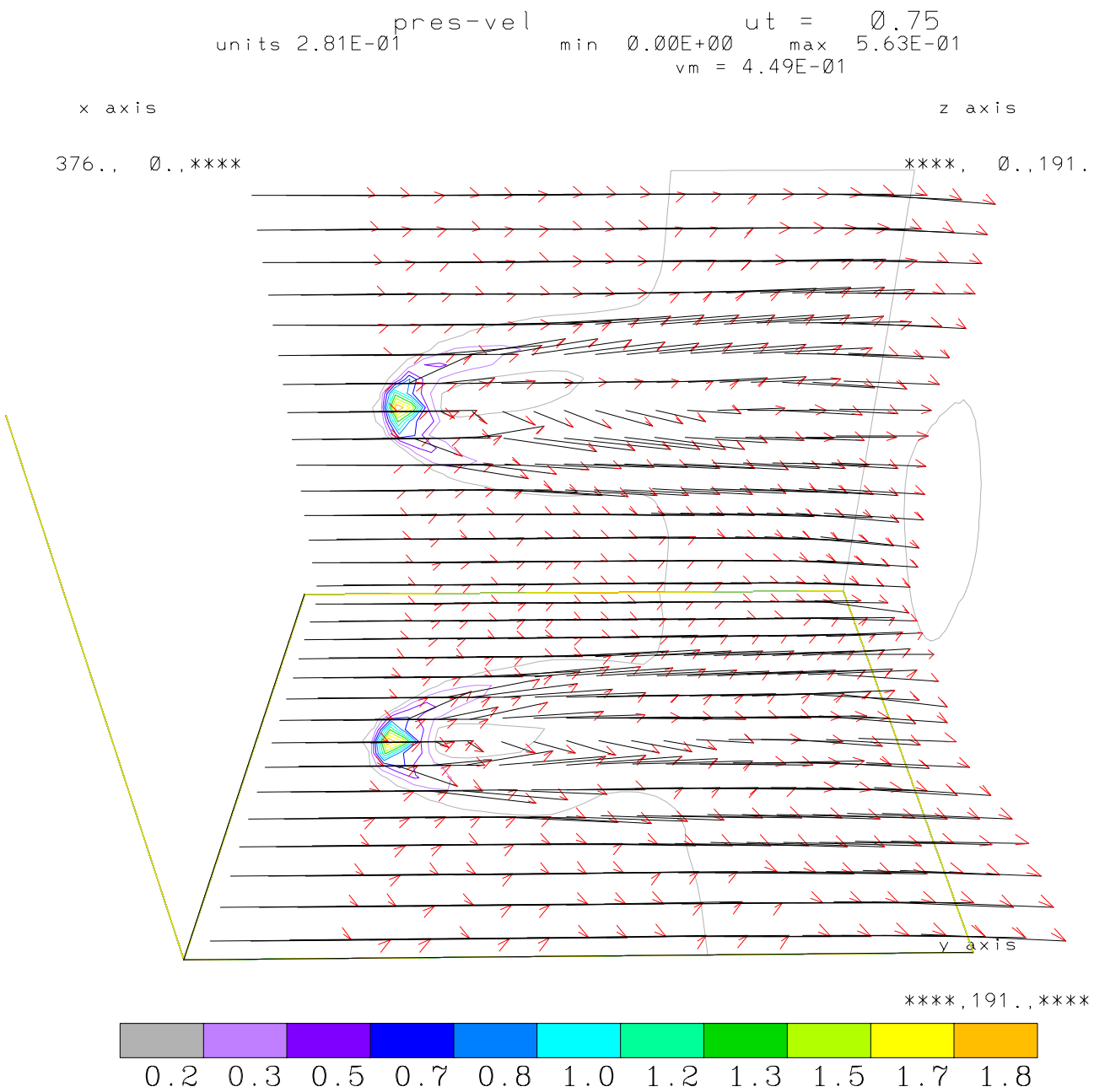
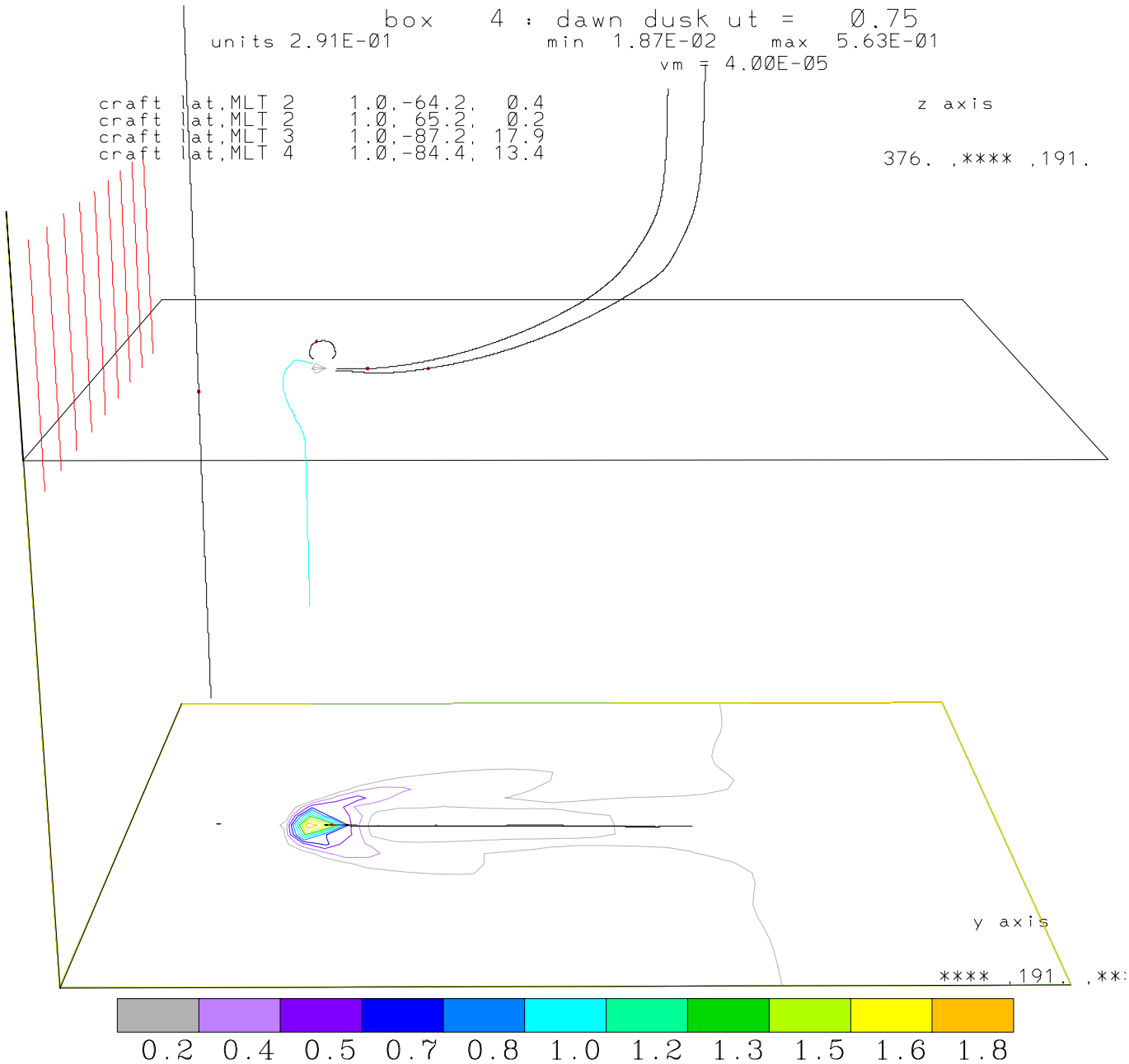
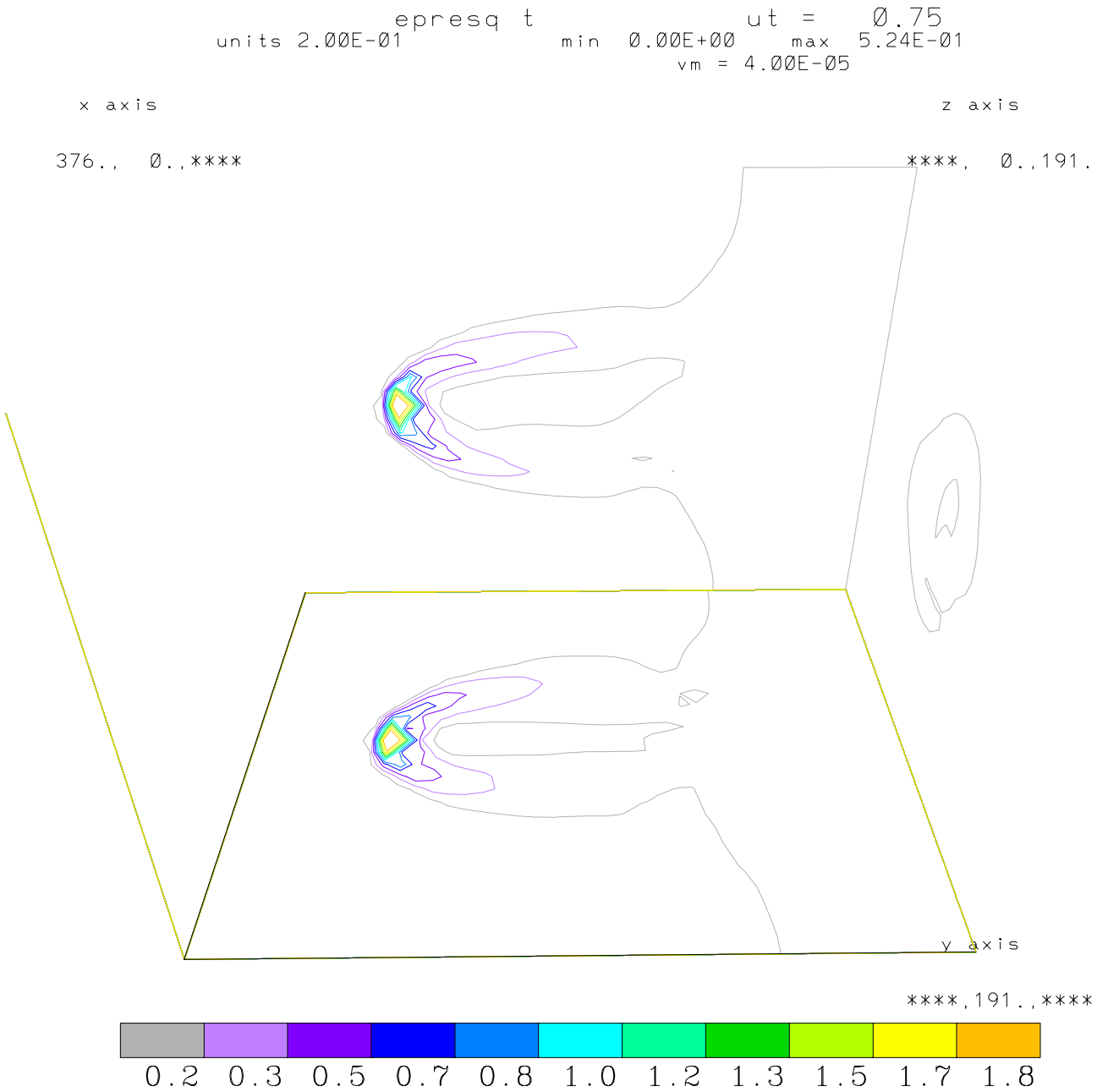
max 2.67E-01
vm = 6.45E-01
x axis
z axis
376., 0.,****
****, 0.,191.
y axis
****,191.,****
0.2
0.3
0.5
0.7
0.8
1.0
1.2
1.3
1.5
1.7
1.8


oprespre
ut = 0.75
units 1.00E-01
min 0.00E+00
max 5.94E-02
vm = 6.73E-01
x axis
z axis
376., 0.,****
****, 0.,191.
y axis
****,191.,****
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


pres-vel
ut = 0.75
units 2.81E-01
min 0.00E+00
max 5.63E-01
vm = 4.49E-01
x axis
z axis
376., 0.,****
****, 0.,191.
y axis
****,191.,****
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


box 4 : dawn dusk ut = 0.75
units 2.91E-01
min 1.87E-02 max 5.63E-01
vm = 4.00E-05
craft lat,MLT 2 1.0,-64.2, 0.4
craft lat,MLT 2 1.0, 65.2, 0.2
craft lat,MLT 3 1.0,-87.2, 17.9
craft lat,MLT 4 1.0,-84.4, 13.4
z axis
376. ,**** ,191.
y axis
**** ,191. ,**:
0.2 0.4 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.6 1.8


epresq t
ut = 0.75
units 2.00E-01
min 0.00E+00
max 5.24E-01
vm = 4.00E-05
x axis
z axis
376., 0.,****
****, 0.,191.
y axis
****,191.,****
0.2
0.3
0.5
0.7
0.8
1.0
1.2
1.3
1.5
1.7
1.8

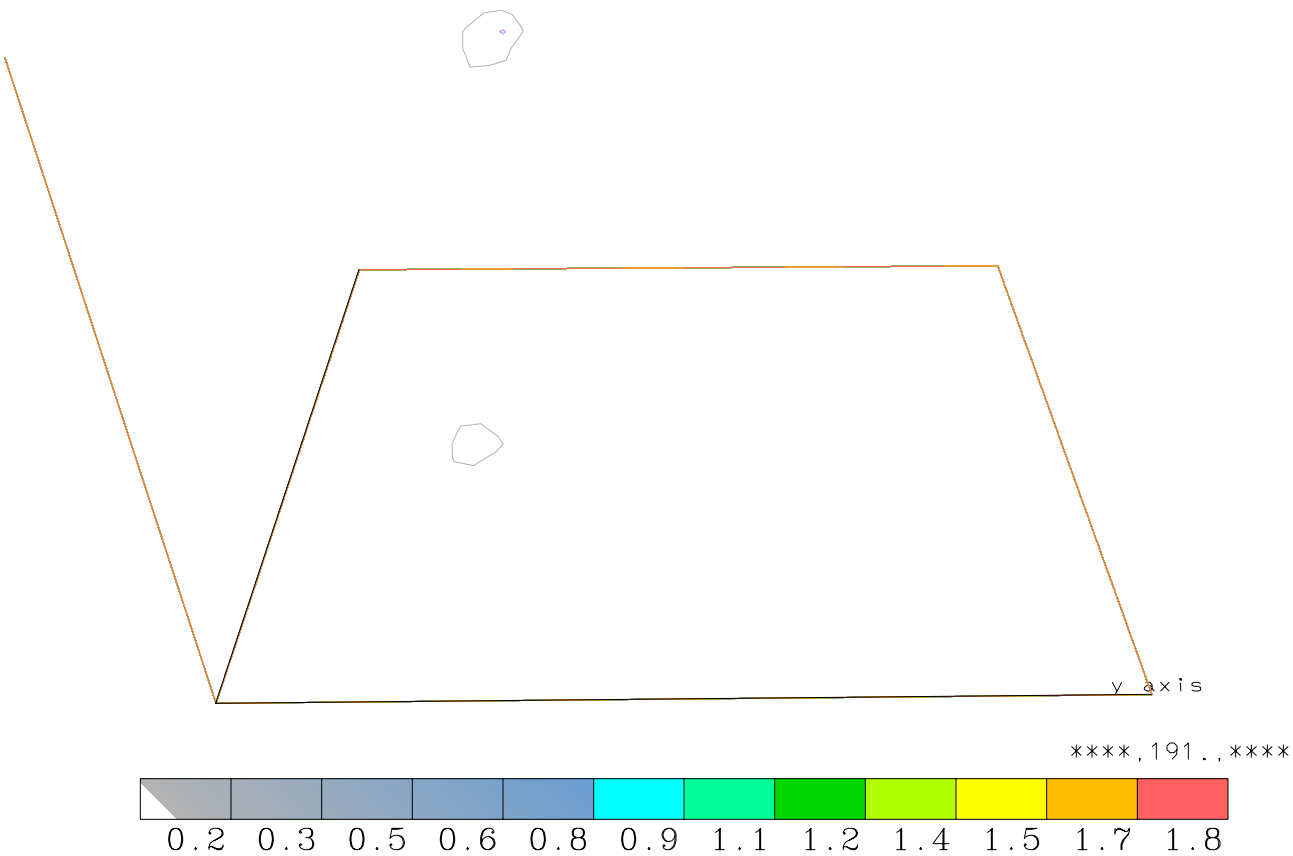
q temph ut = 0.75

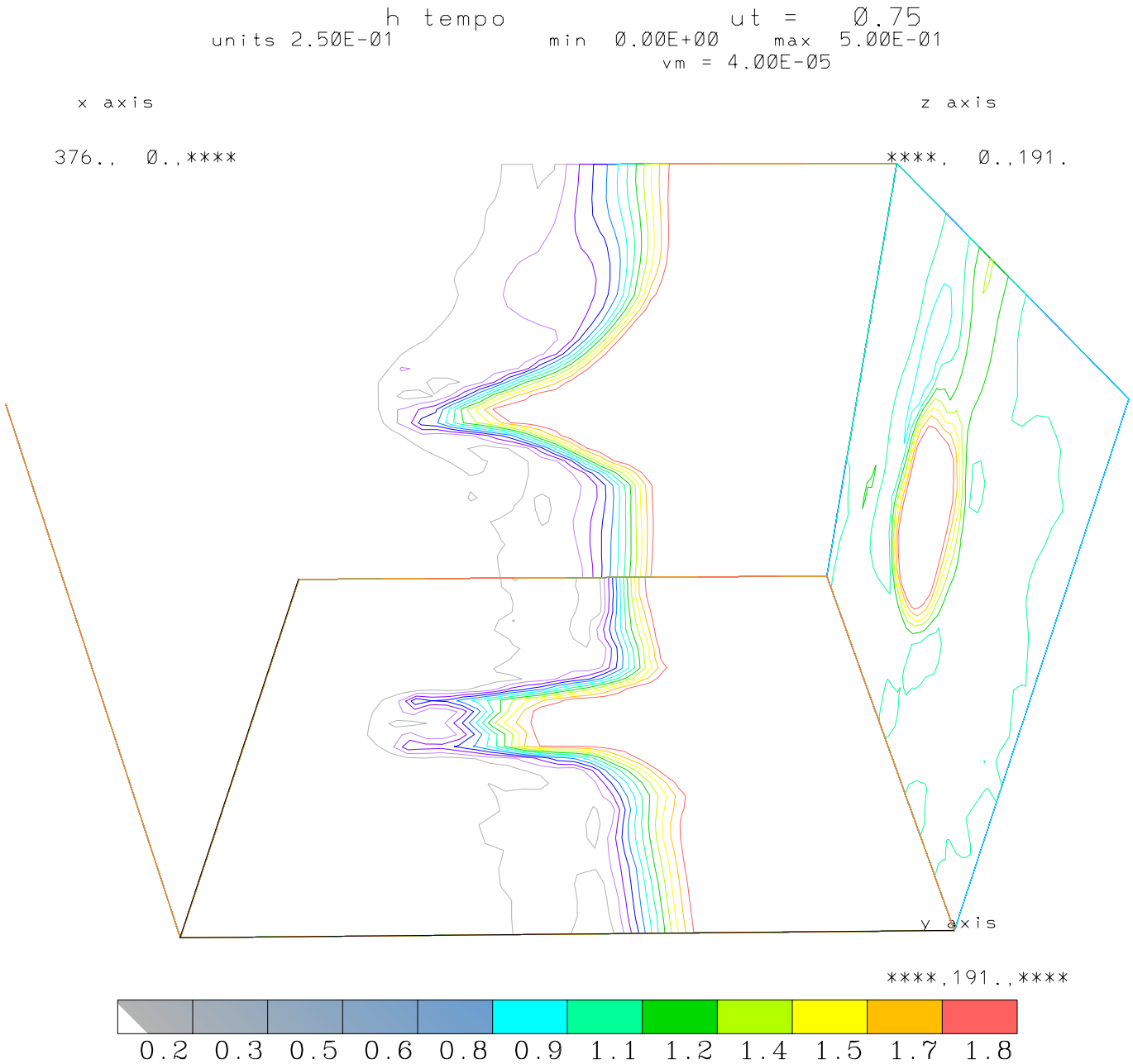
units 2.50E-01 min 0.00E+00 max 8.13E-02

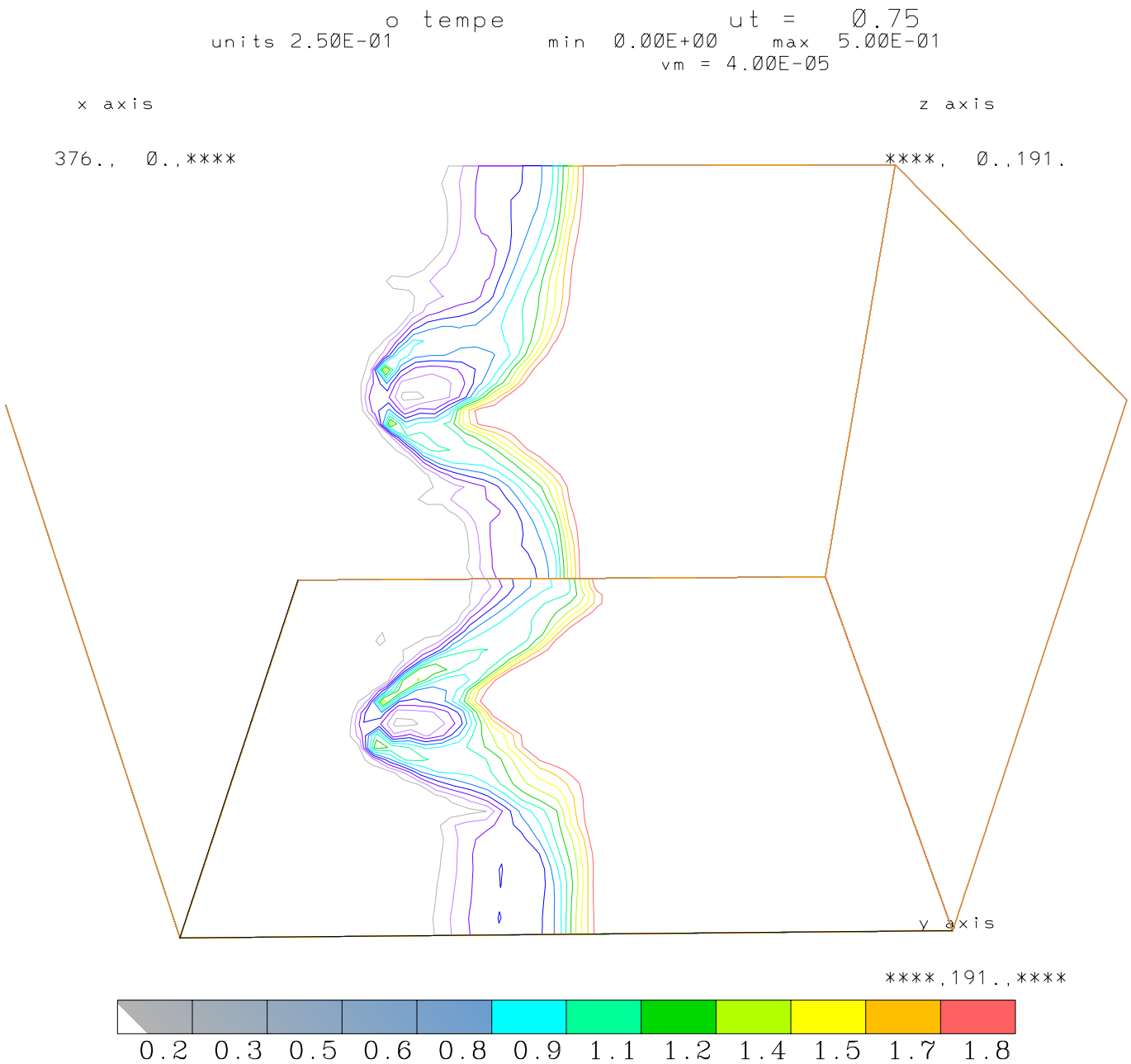
vm = 4.00E-05

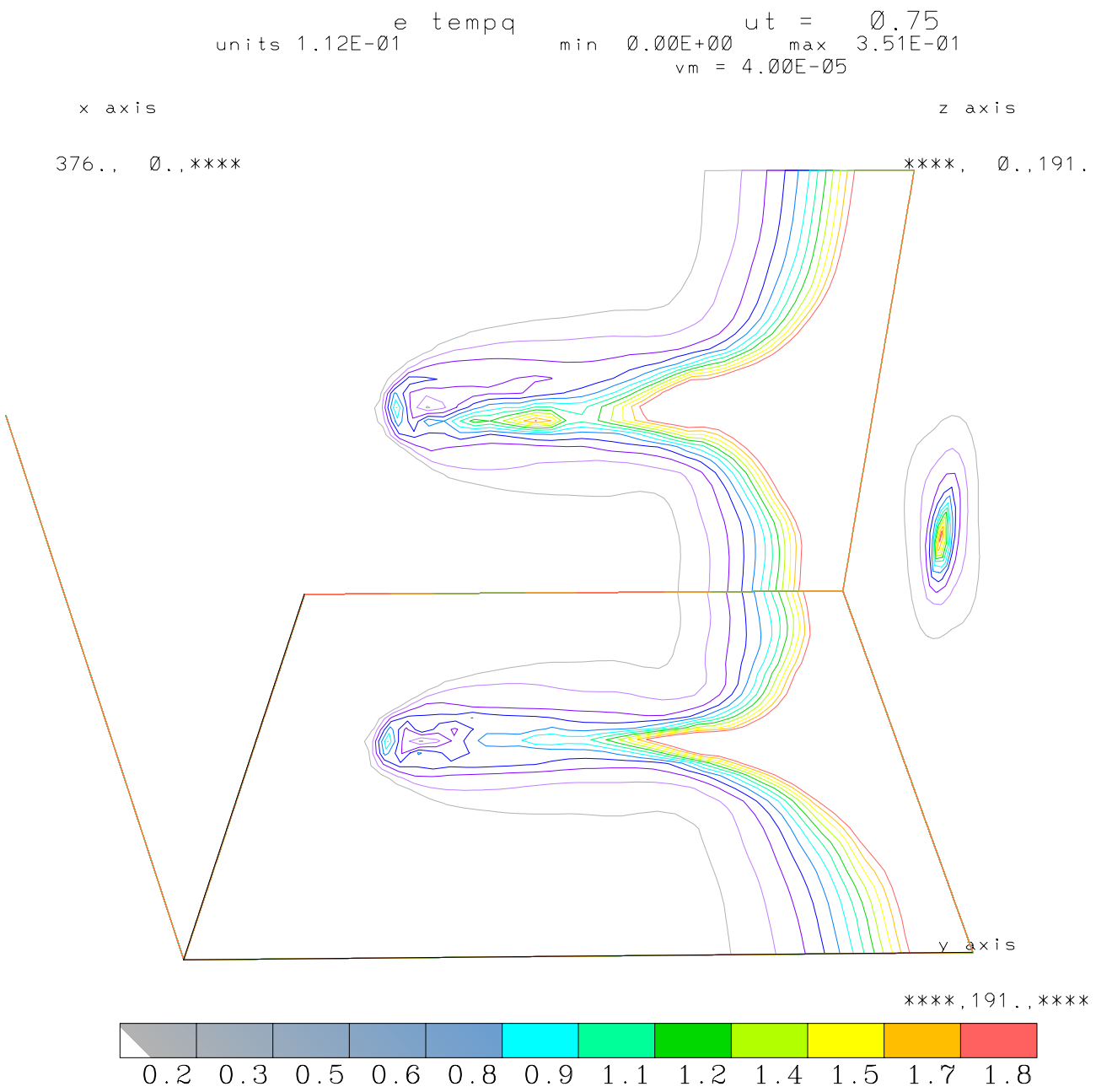
x axis z axis

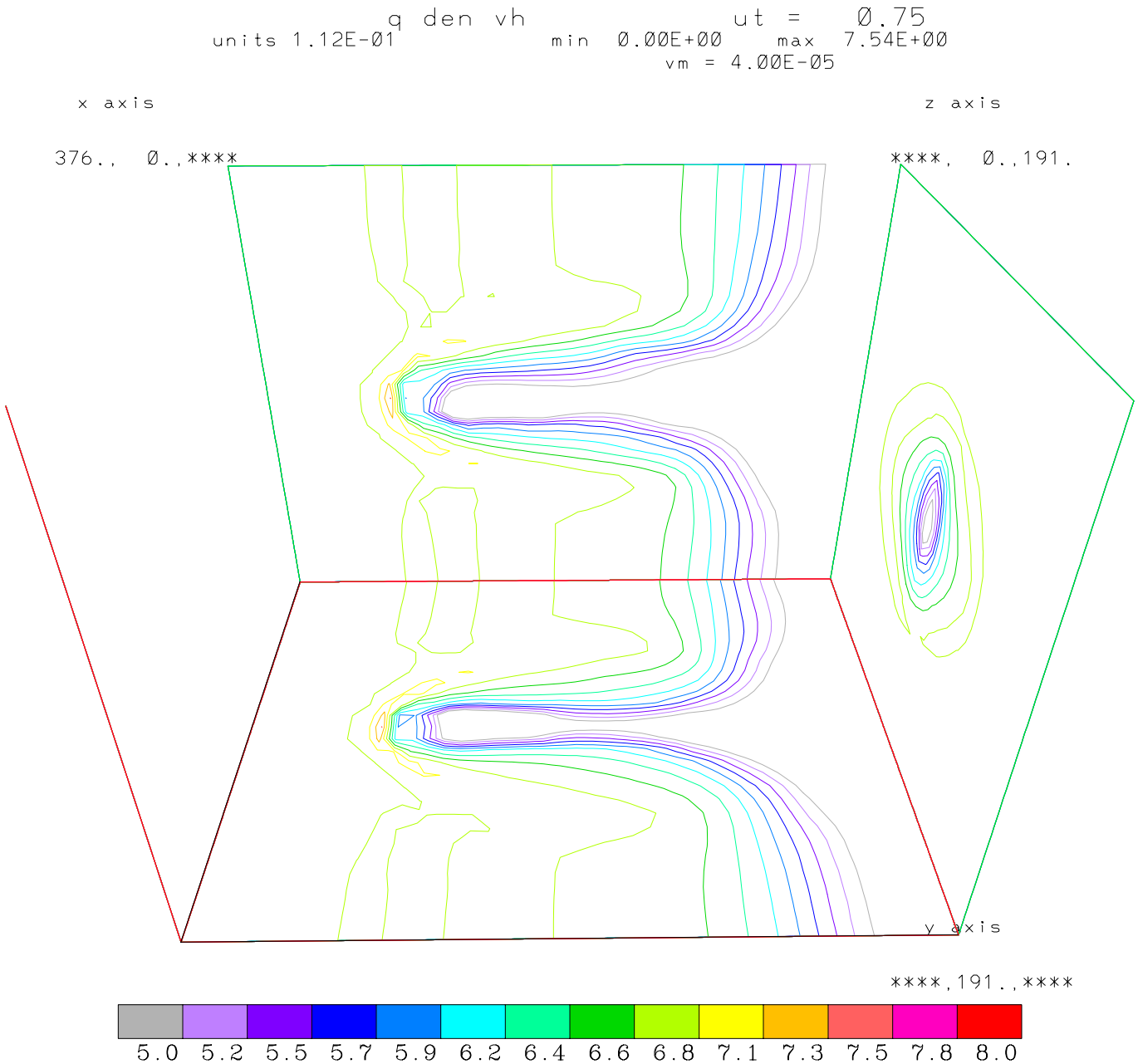
376., 0.,**** ****, 0.,191.

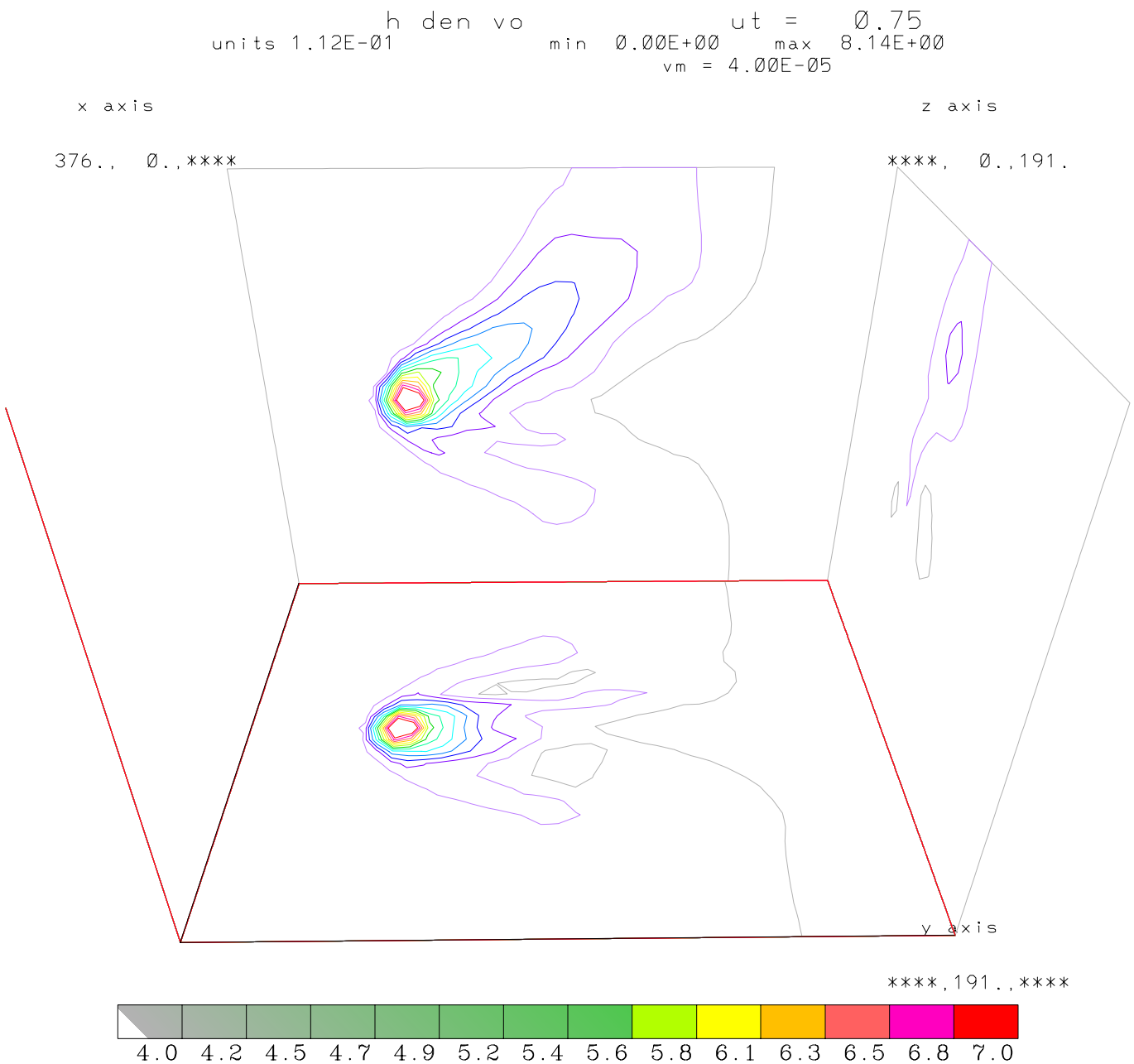



h tempo
ut = 0.75
units 2.50E-01
min 0.00E+00
max 5.00E-01
vm = 4.00E-05
x axis
z axis
376., 0.,****
****, 0.,191.
y axis
****,191.,****
0.2 0.3 0.5 0.6 0.8 0.9 1.1 1.2 1.4 1.5 1.7 1.8


o tempe
ut = 0.75
units 2.50E-01
min 0.00E+00
max 5.00E-01
vm = 4.00E-05
x axis
z axis
376., 0.,****
****, 0.,191.
y axis
****,191.,****
0.2 0.3 0.5 0.6 0.8 0.9 1.1 1.2 1.4 1.5 1.7 1.8


e tempq
ut = 0.75
units 1.12E-01
min 0.00E+00
max 3.51E-01
vm = 4.00E-05
x axis
z axis
376., 0.,****
****, 0.,191.
y axis
****,191.,****
0.2 0.3 0.5 0.6 0.8 0.9 1.1 1.2 1.4 1.5 1.7 1.8


q den vh
ut = 0.75
units 1.12E-01
min 0.00E+00
max 7.54E+00
vm = 4.00E-05
x axis
z axis
376., 0.,****
****, 0.,191.
y axis
****,191.,****
5.0 5.2 5.5 5.7 5.9 6.2 6.4 6.6 6.8 7.1 7.3 7.5 7.8 8.0


h den vo ut = 0.75
units 1.12E-01 min 0.00E+00 max 8.14E+00
vm = 4.00E-05
x axis
z axis
376., 0.,****
****, 0.,191.
y axis
****,191.,****
4.0 4.2 4.5 4.7 4.9 5.2 5.4 5.6 5.8 6.1 6.3 6.5 6.8 7.0

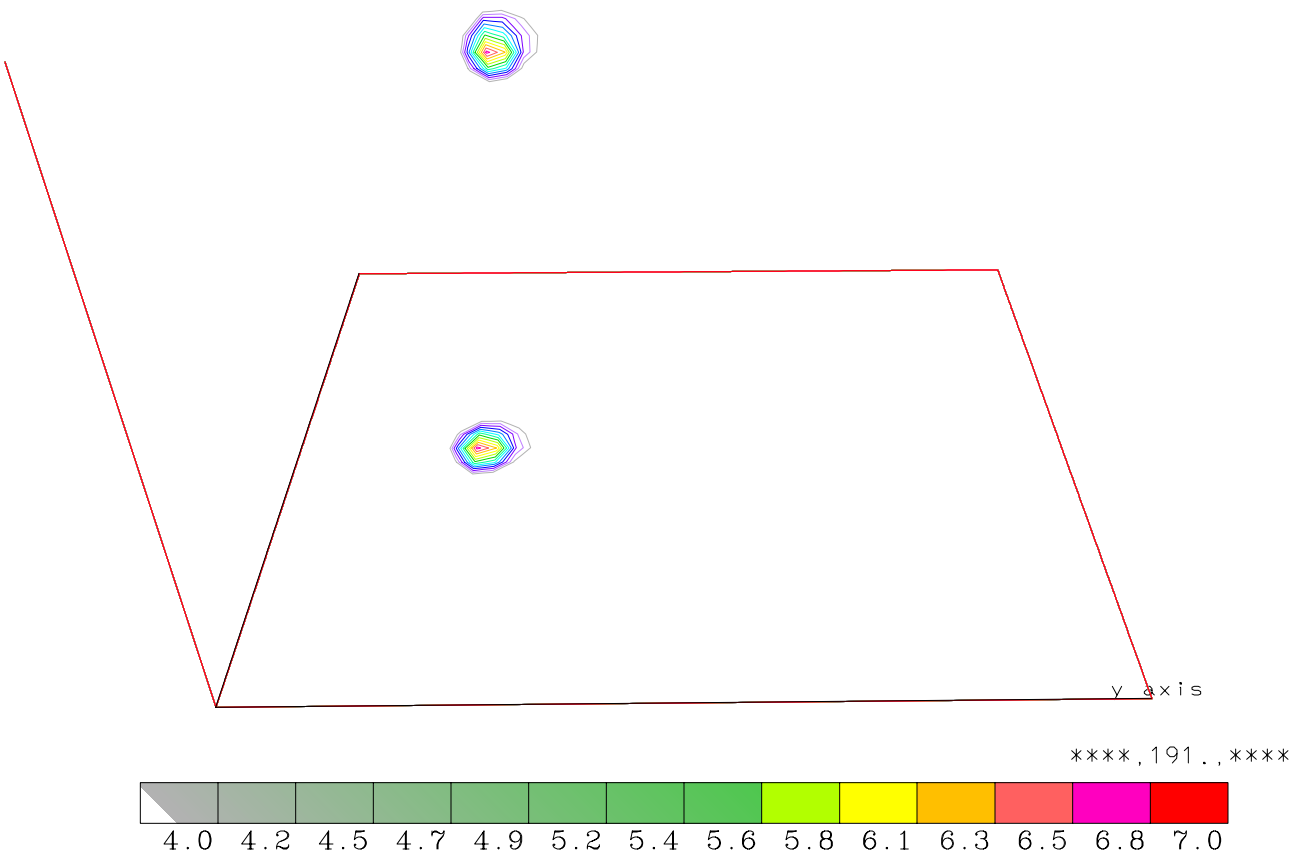
o den vt ut = 0.75

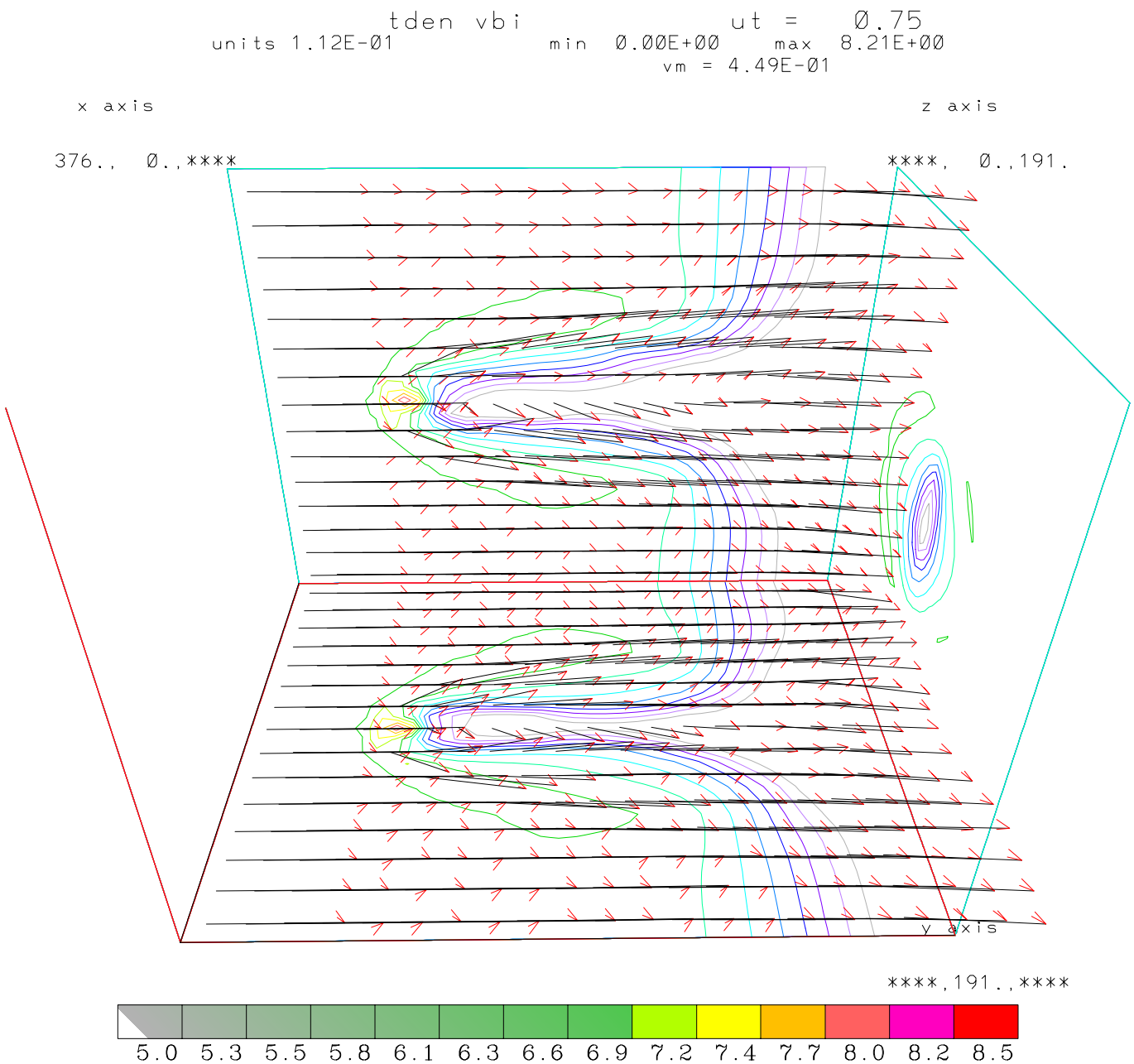
units 1.12E-01 min 0.00E+00 max 6.86E+00

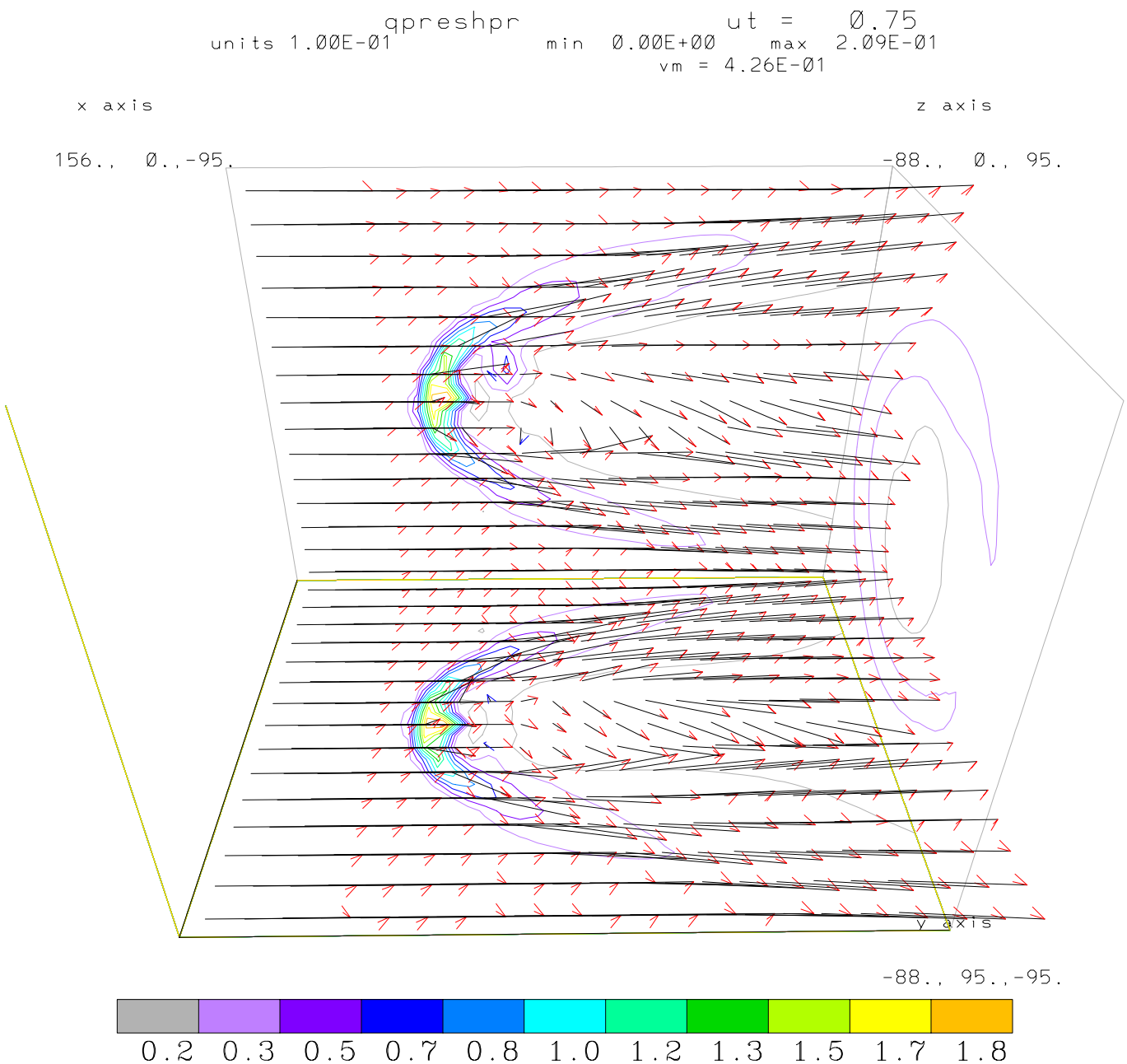
vm = 4.00E-05

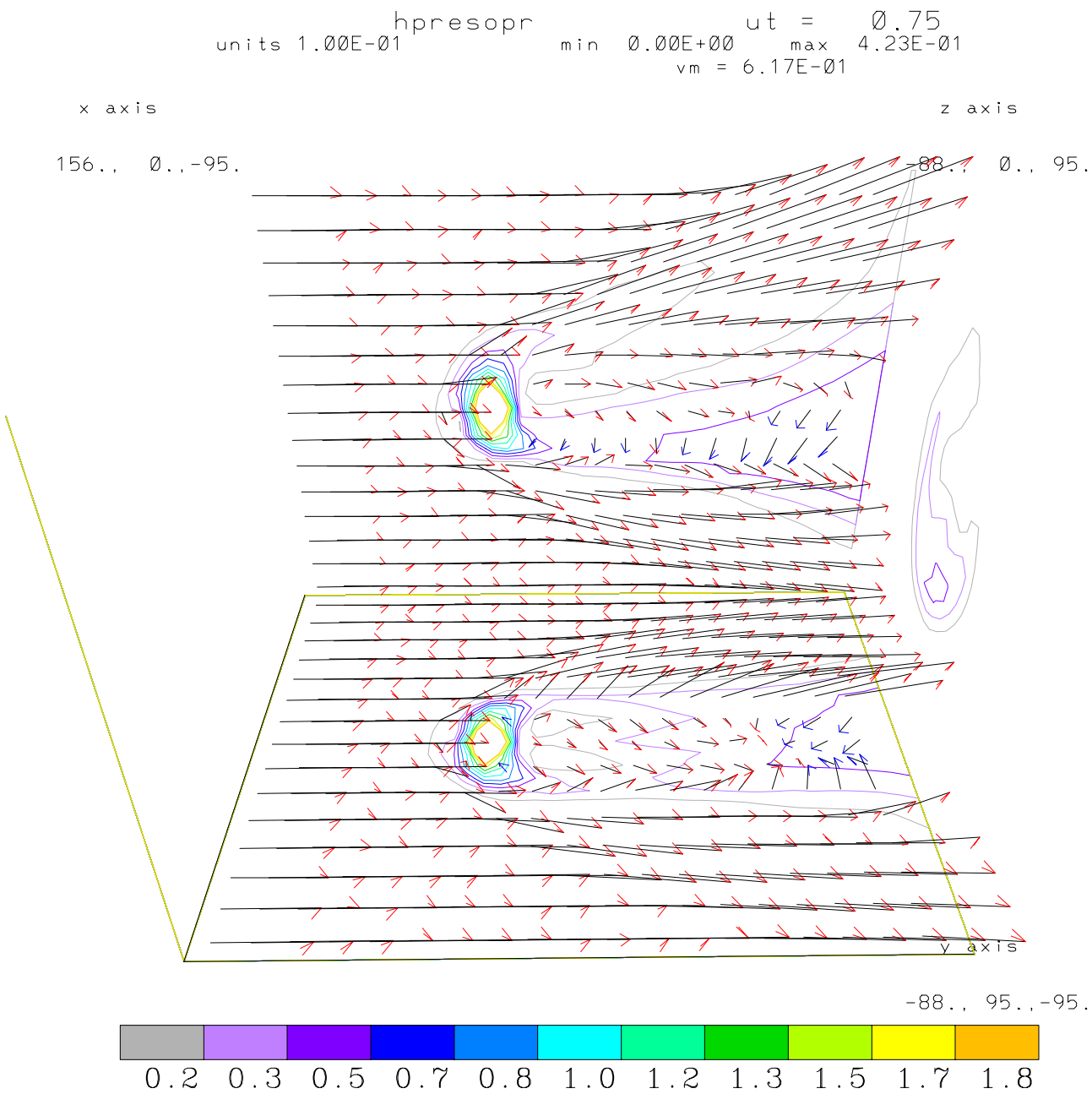
x axis z axis

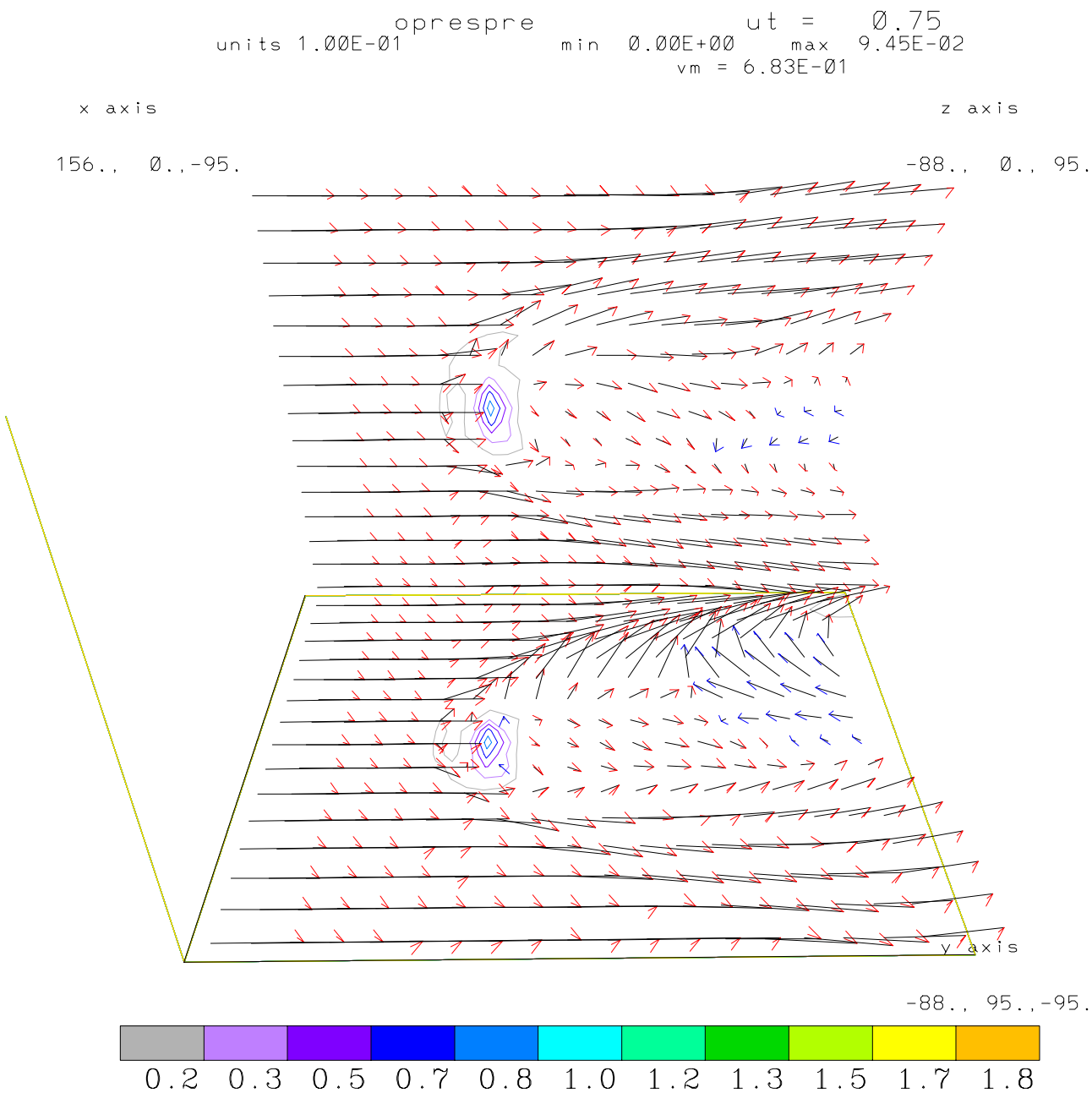
376., 0.,**** ****, 0.,191.

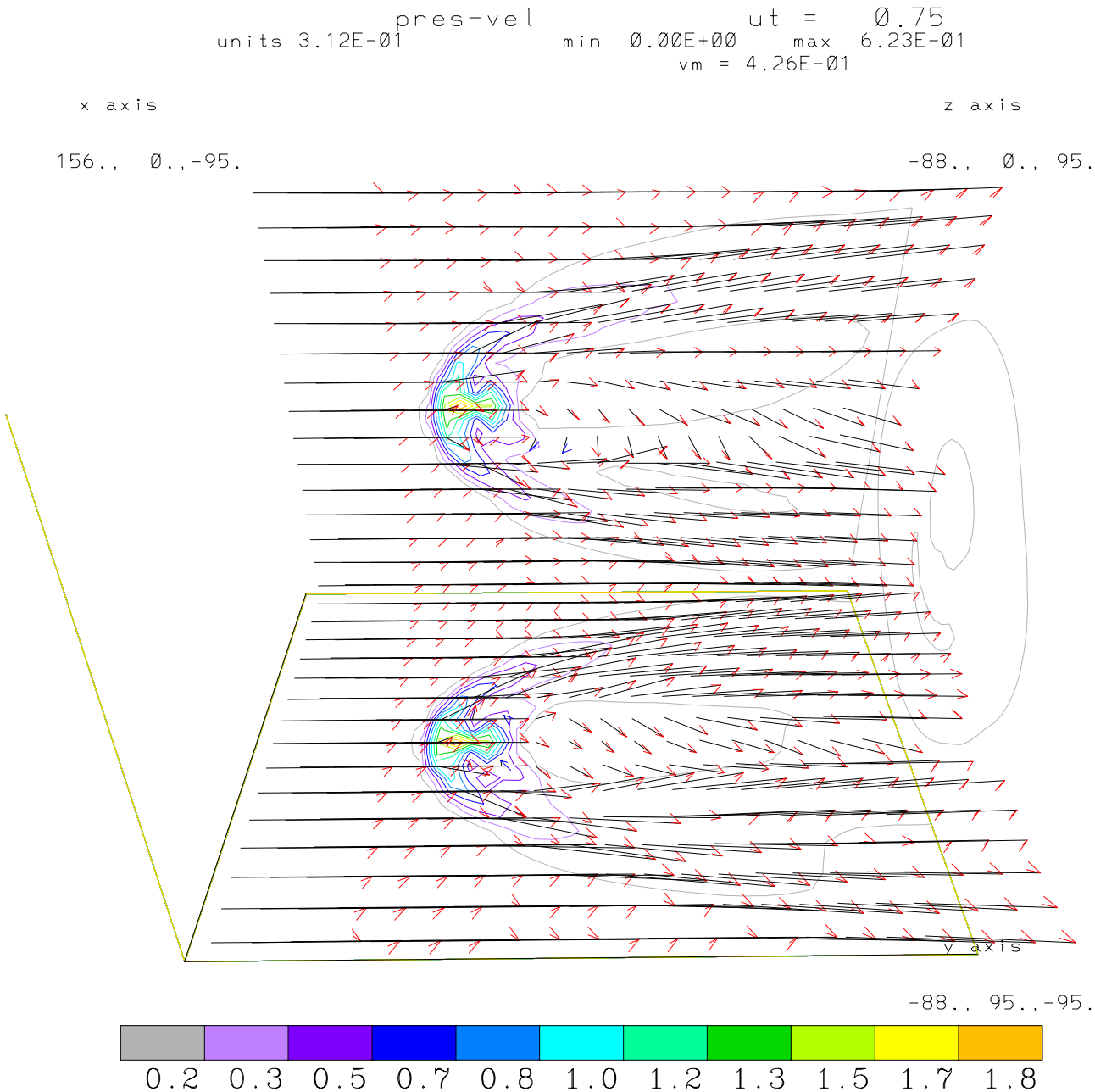


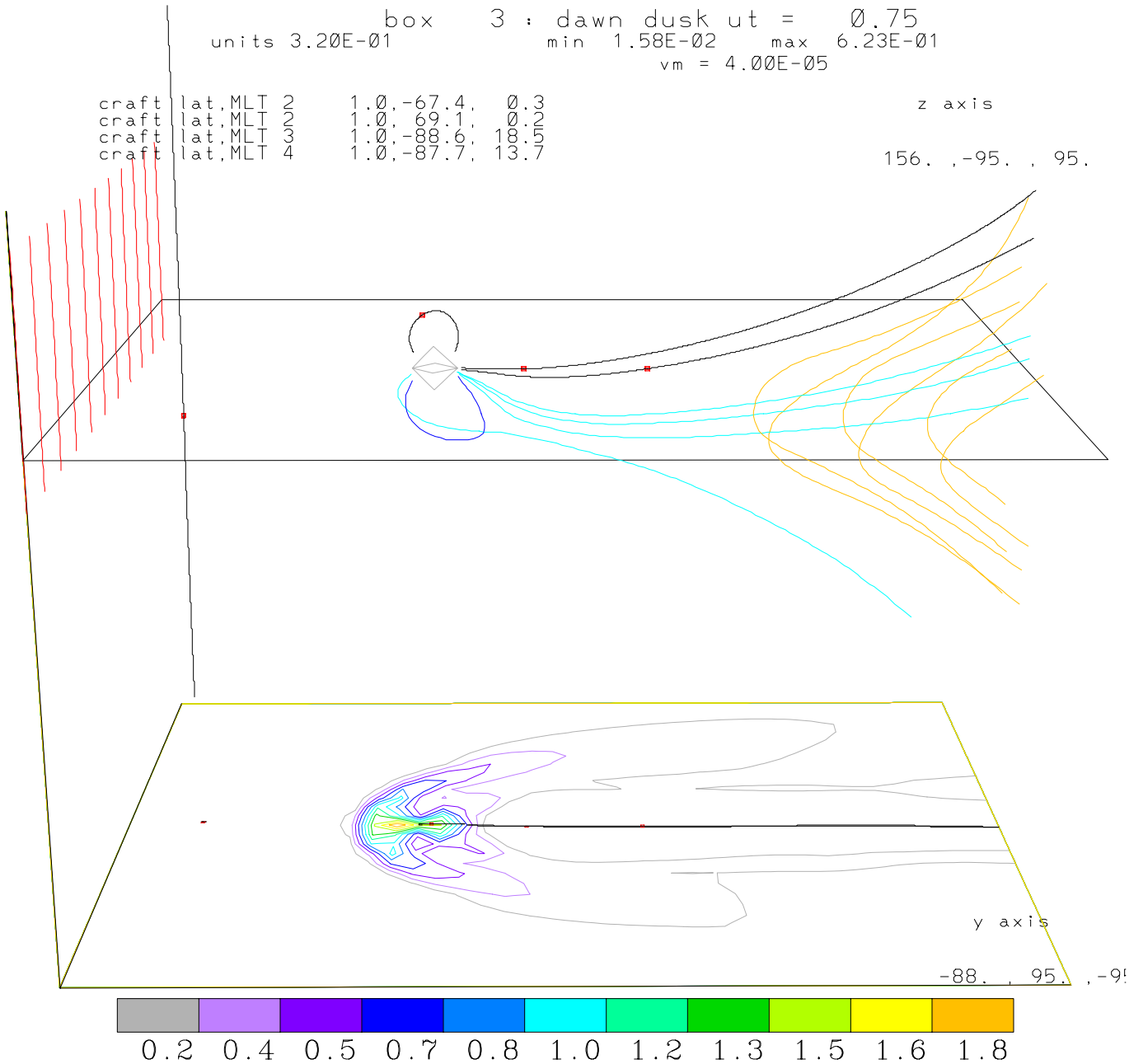

tden vbi
ut = 0.75
units 1.12E-01
min 0.00E+00
max 8.21E+00
vm = 4.49E-01
x axis
z axis
376., 0.,****
****, 0.,191.
y axis
****,191.,****
5.0 5.3 5.5 5.8 6.1 6.3 6.6 6.9 7.2 7.4 7.7 8.0 8.2 8.5

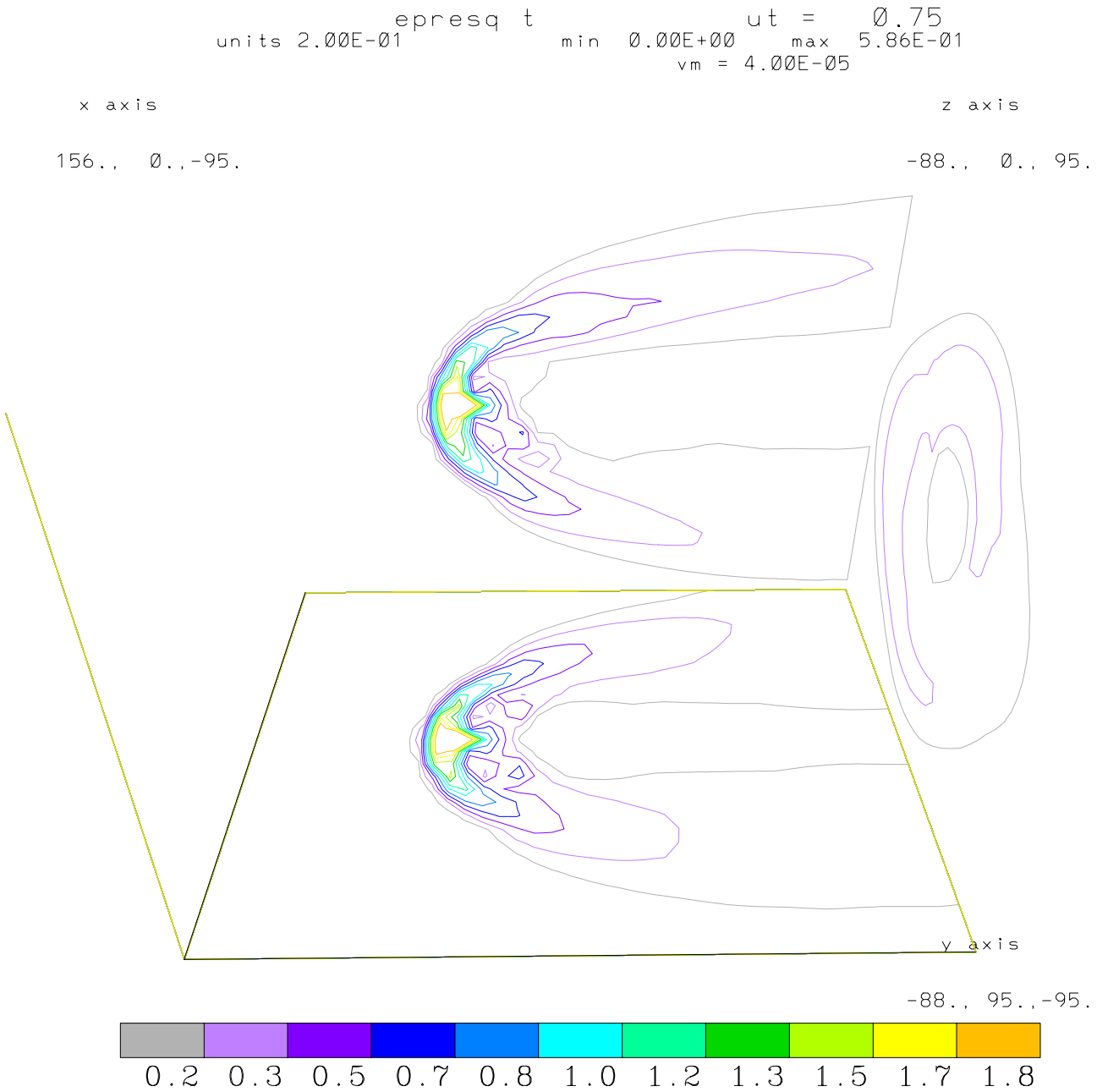

qpreshpr
ut = 0.75
units 1.00E-01
min 0.00E+00
max 2.09E-01
vm = 4.26E-01
x axis
z axis
156., 0.,-95.
-88., 0., 95.
y axis
-88., 95.,-95.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


hpresopr
ut = 0.75
units 1.00E-01
min 0.00E+00
max 4.23E-01
vm = 6.17E-01
x axis
z axis
156., 0.,-95.
-88., 0., 95.
y axis
-88., 95.,-95.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


oprespre
ut = 0.75
units 1.00E-01
min 0.00E+00
max 9.45E-02
vm = 6.83E-01
x axis
z axis
156., 0.,-95.
-88., 0., 95.
y axis
-88., 95.,-95.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


pres-vel
ut = 0.75
units 3.12E-01
min 0.00E+00
max 6.23E-01
vm = 4.26E-01
x axis
z axis
156., 0.,-95.
-88., 0., 95.
y axis
-88., 95.,-95.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


box 3 : dawn dusk ut = 0.75
units 3.20E-01
min 1.58E-02 max 6.23E-01
vm = 4.00E-05
craft lat,MLT 2 1.0,-67.4, 0.3
craft lat,MLT 2 1.0, 69.1, 0.2
craft lat,MLT 3 1.0,-88.6, 18.5
craft lat,MLT 4 1.0,-87.7, 13.7
z axis
156. ,-95. , 95.
y axis
-88. , 95. ,-9
0.2 0.4 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.6 1.8


epresq t
ut = 0.75
units 2.00E-01
min 0.00E+00
max 5.86E-01
vm = 4.00E-05
x axis
z axis
156., 0.,-95.
-88., 0., 95.
y axis
-88., 95.,-95.
0.2
0.3
0.5
0.7
0.8
1.0
1.2
1.3
1.5
1.7
1.8

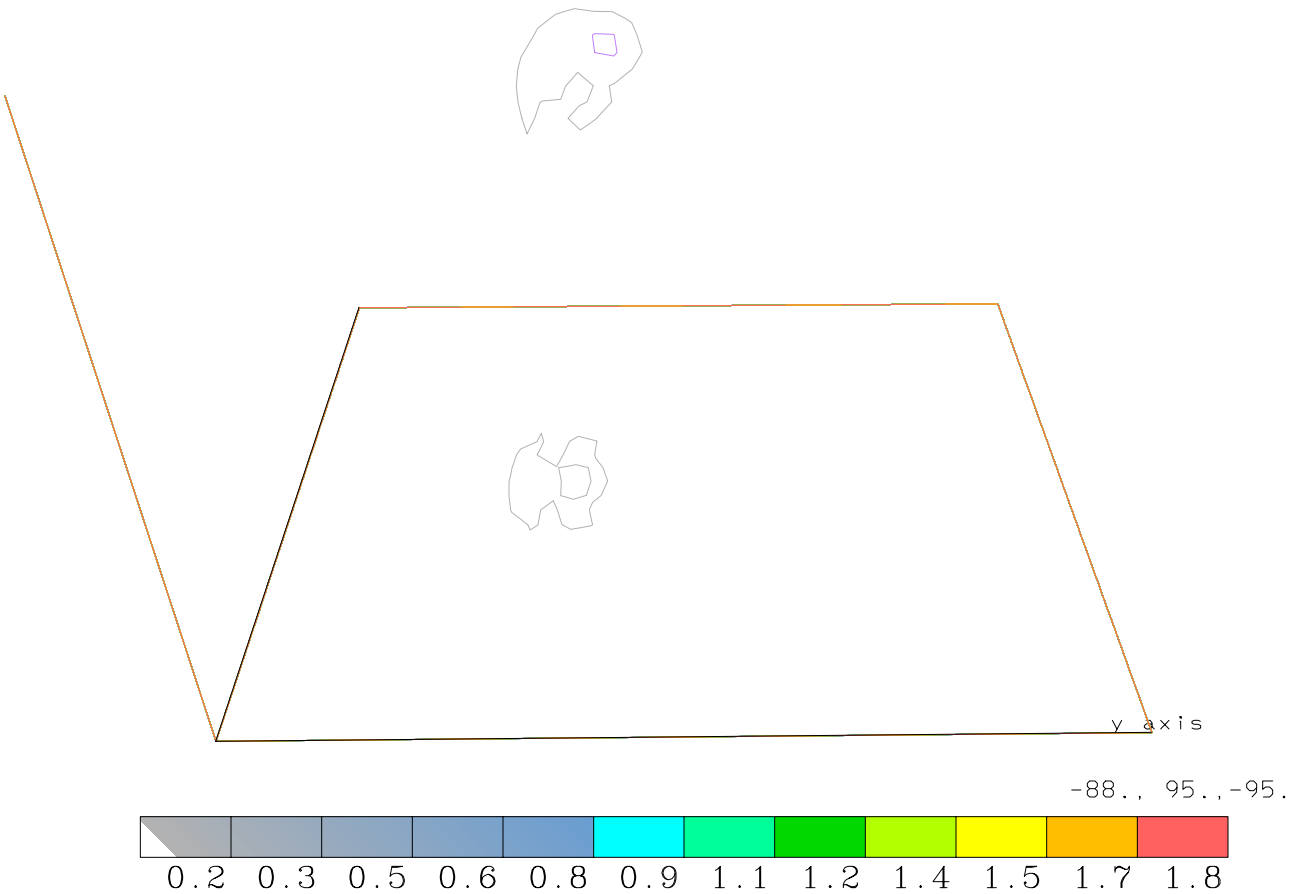
q temph ut = 0.75

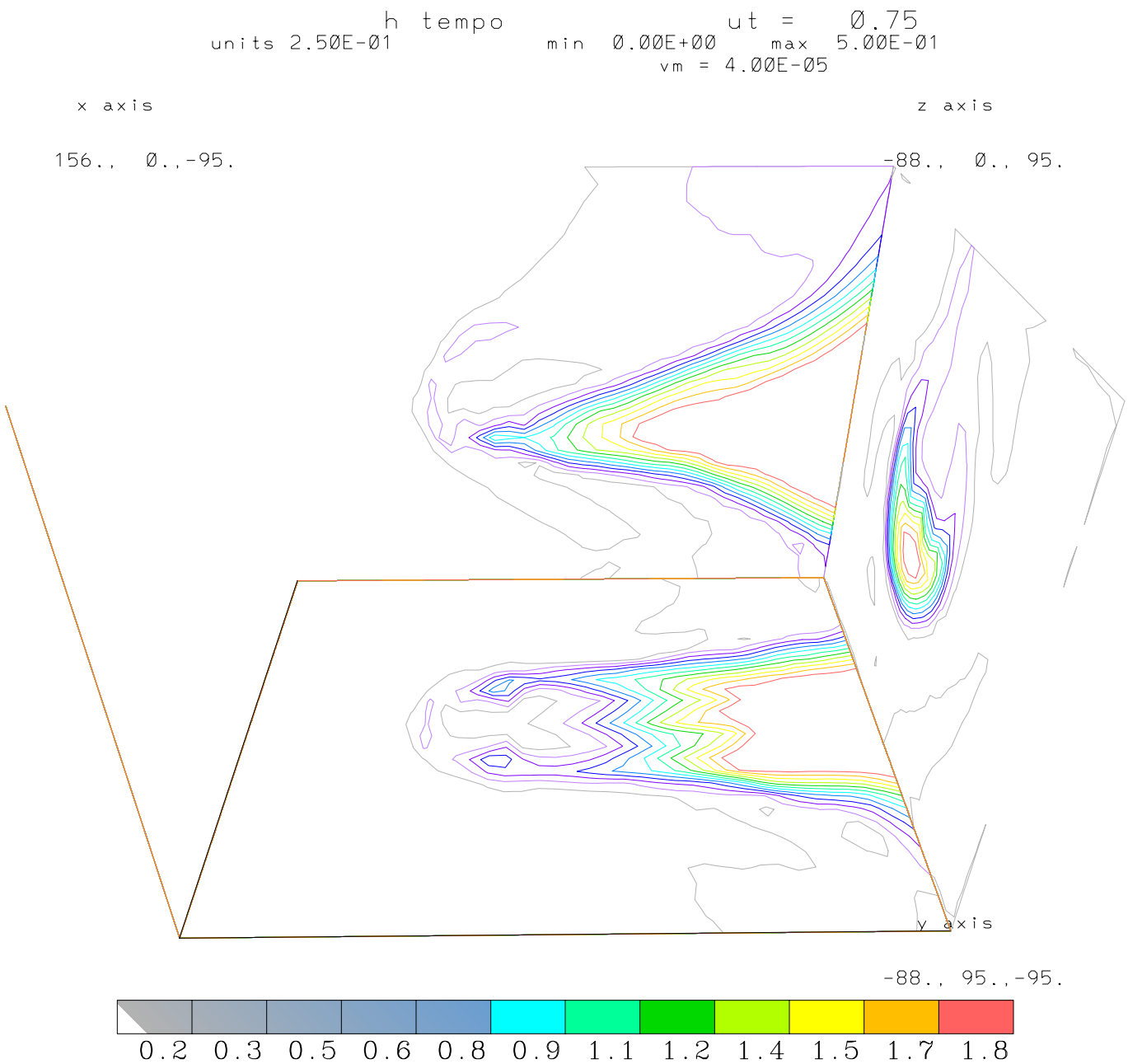
units 2.50E-01 min 0.00E+00 max 1.13E-01

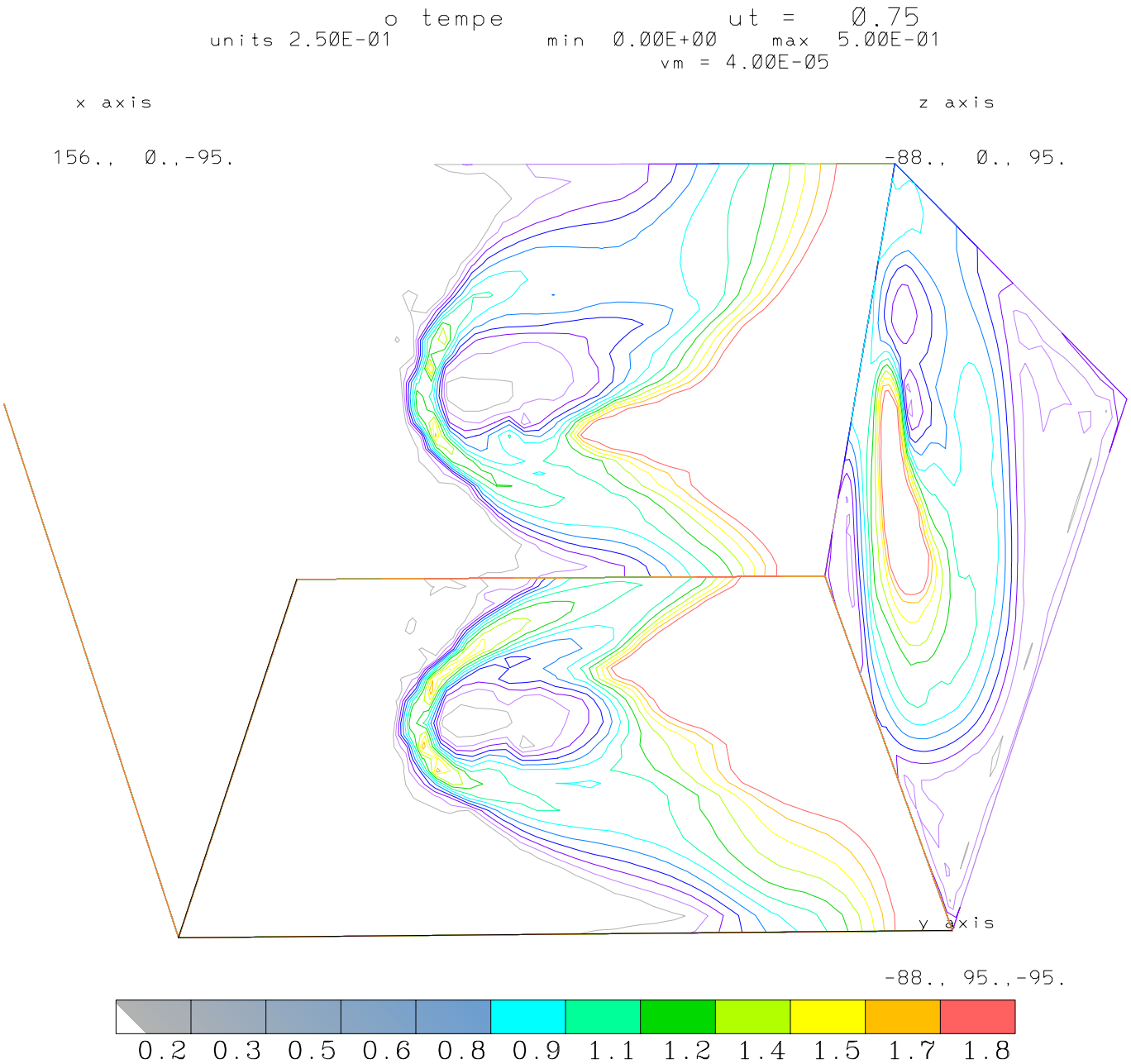
vm = 4.00E-05

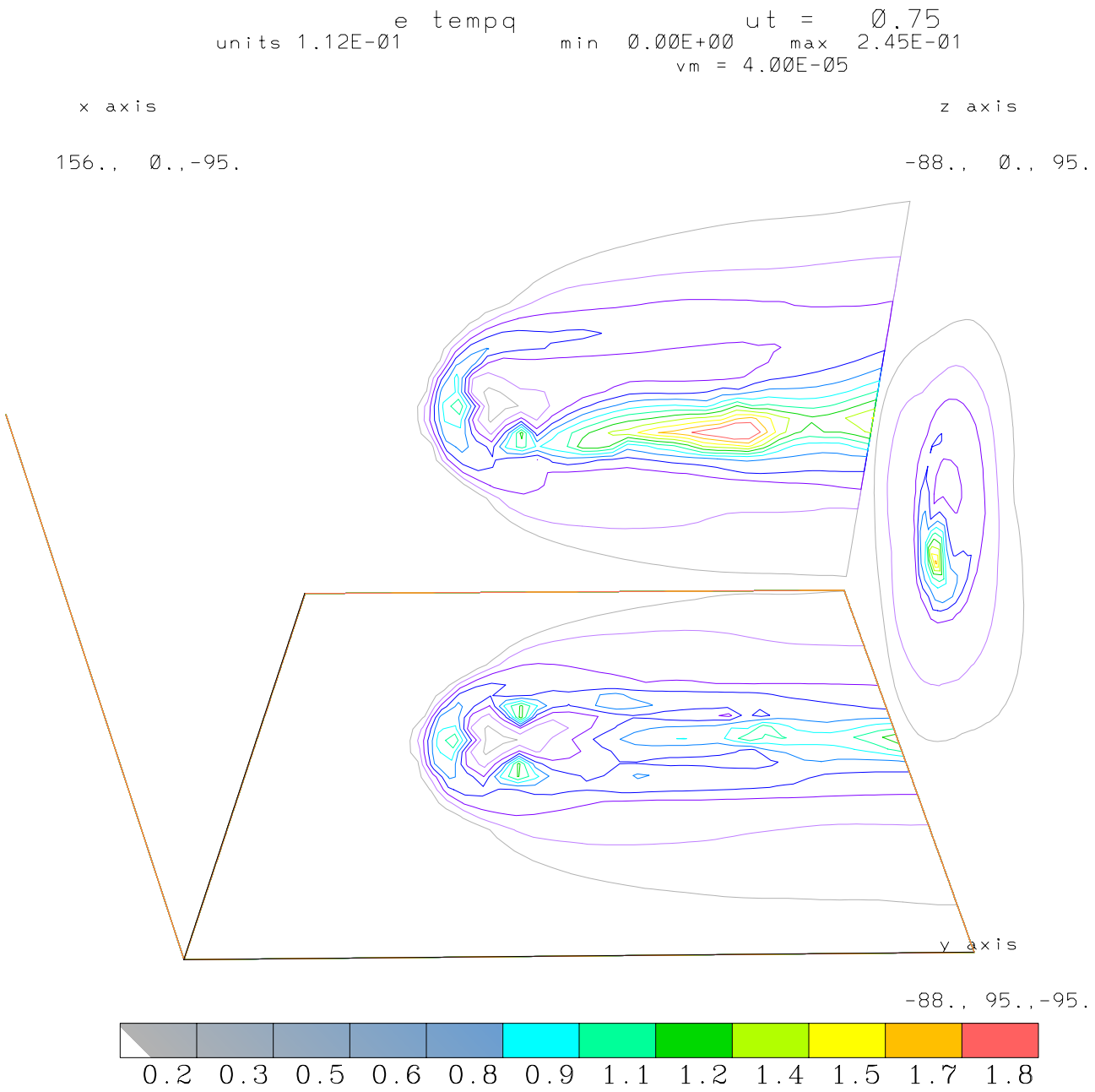
x axis z axis

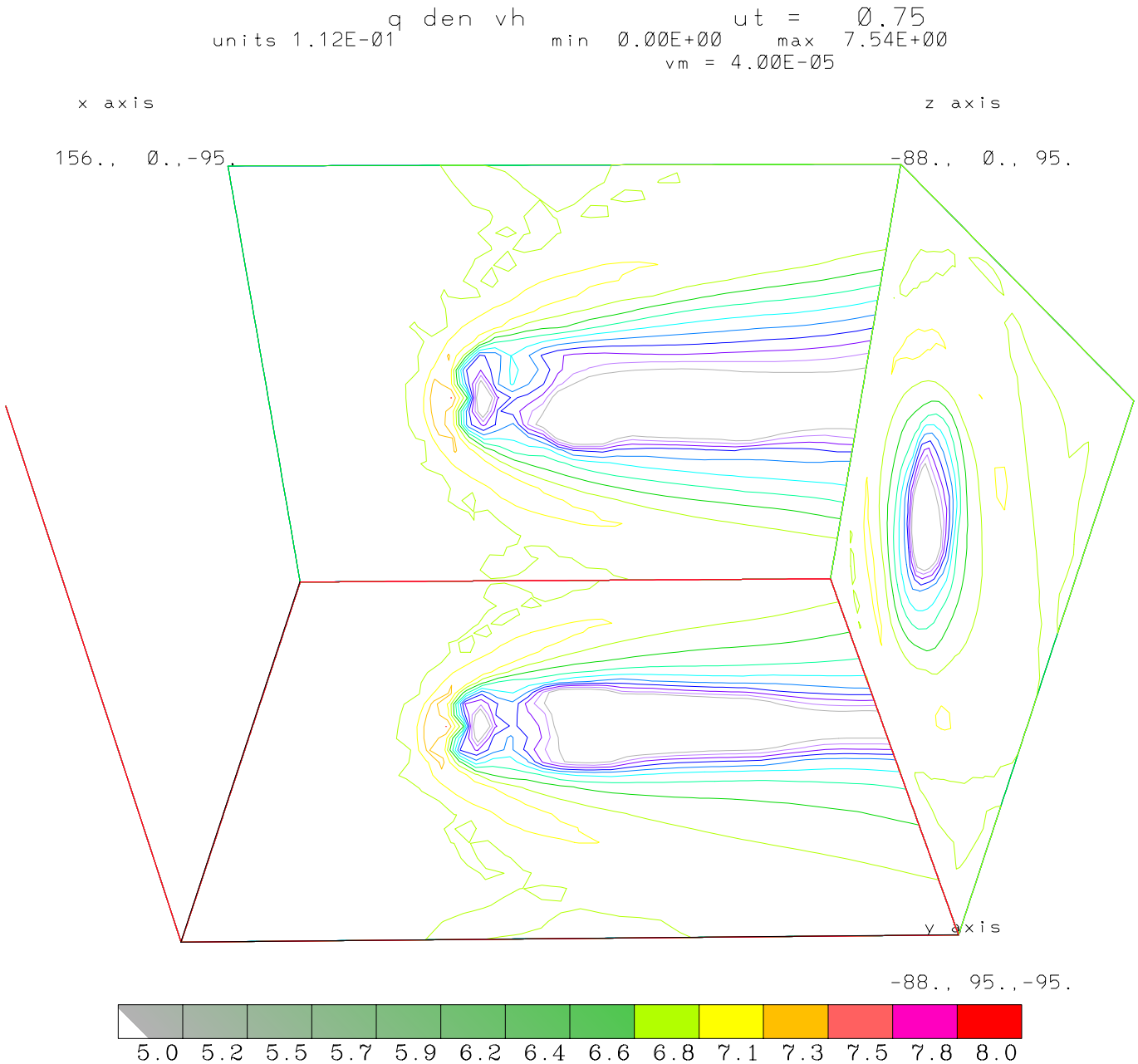
156., 0.,-95. -88., 0., 95.

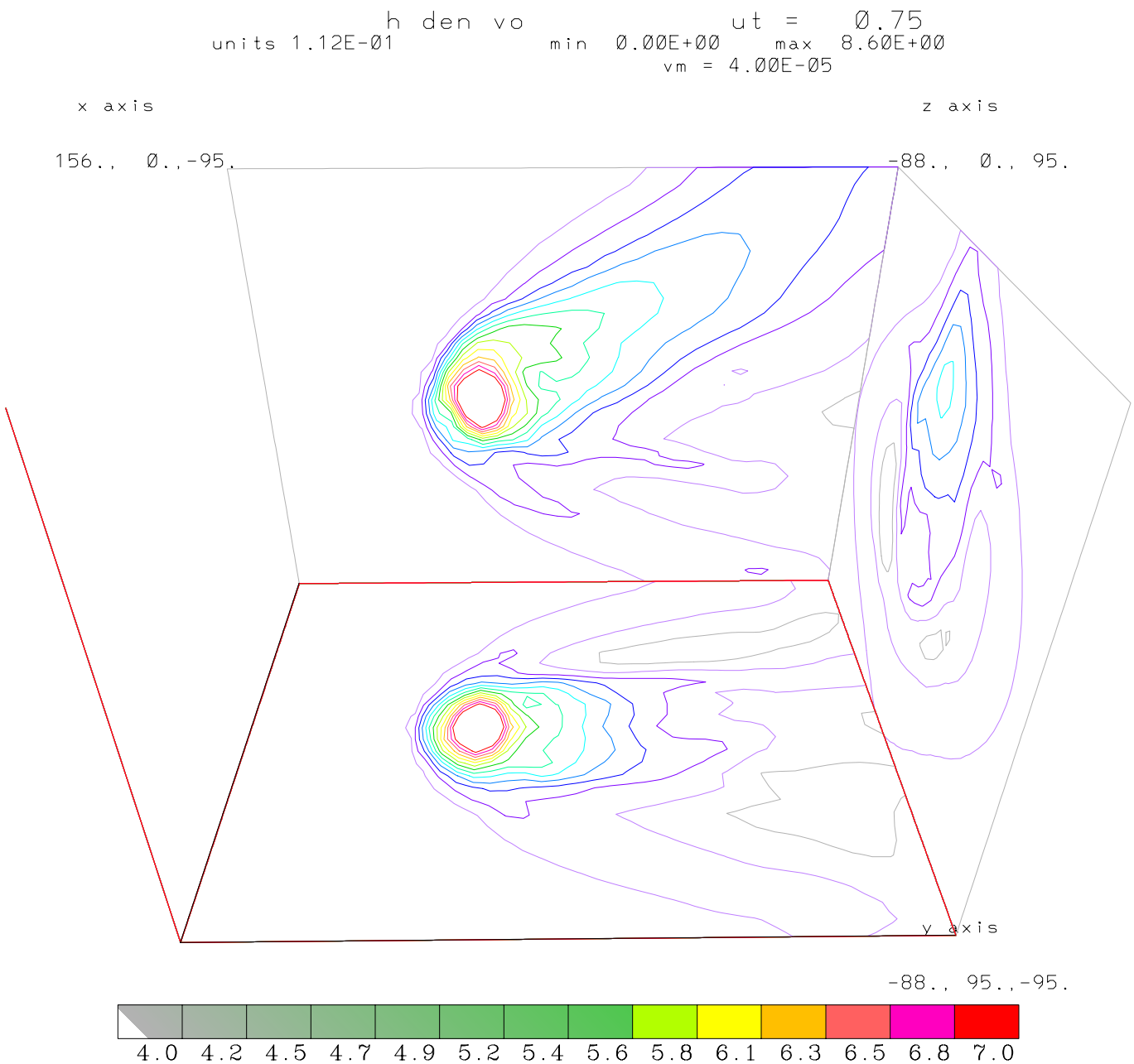



h tempo
ut = 0.75
units 2.50E-01
min 0.00E+00
max 5.00E-01
vm = 4.00E-05
x axis
z axis
156., 0.,-95.
-88., 0., 95.
y axis
-88., 95.,-95.
0.2 0.3 0.5 0.6 0.8 0.9 1.1 1.2 1.4 1.5 1.7 1.8


o tempe
ut = 0.75
units 2.50E-01
min 0.00E+00
max 5.00E-01
vm = 4.00E-05
x axis
z axis
156., 0.,-95.
-88., 0., 95.
y axis
-88., 95.,-95.
0.2 0.3 0.5 0.6 0.8 0.9 1.1 1.2 1.4 1.5 1.7 1.8


e tempq
ut = 0.75
units 1.12E-01
min 0.00E+00
max 2.45E-01
vm = 4.00E-05
x axis
z axis
156., 0.,-95.
-88., 0., 95.
y axis
-88., 95.,-95.
0.2 0.3 0.5 0.6 0.8 0.9 1.1 1.2 1.4 1.5 1.7 1.8


q den vh
ut = 0.75
units 1.12E-01
min 0.00E+00
max 7.54E+00
vm = 4.00E-05
x axis
z axis
156., 0.,-95.
-88., 0., 95.
y axis
-88., 95.,-95.
5.0 5.2 5.5 5.7 5.9 6.2 6.4 6.6 6.8 7.1 7.3 7.5 7.8 8.0


h den vo ut = 0.75
units 1.12E-01 min 0.00E+00 max 8.60E+00
vm = 4.00E-05
x axis
z axis
156., 0.,-95.
-88., 0., 95.
y axis
-88., 95.,-95.
4.0 4.2 4.5 4.7 4.9 5.2 5.4 5.6 5.8 6.1 6.3 6.5 6.8 7.0

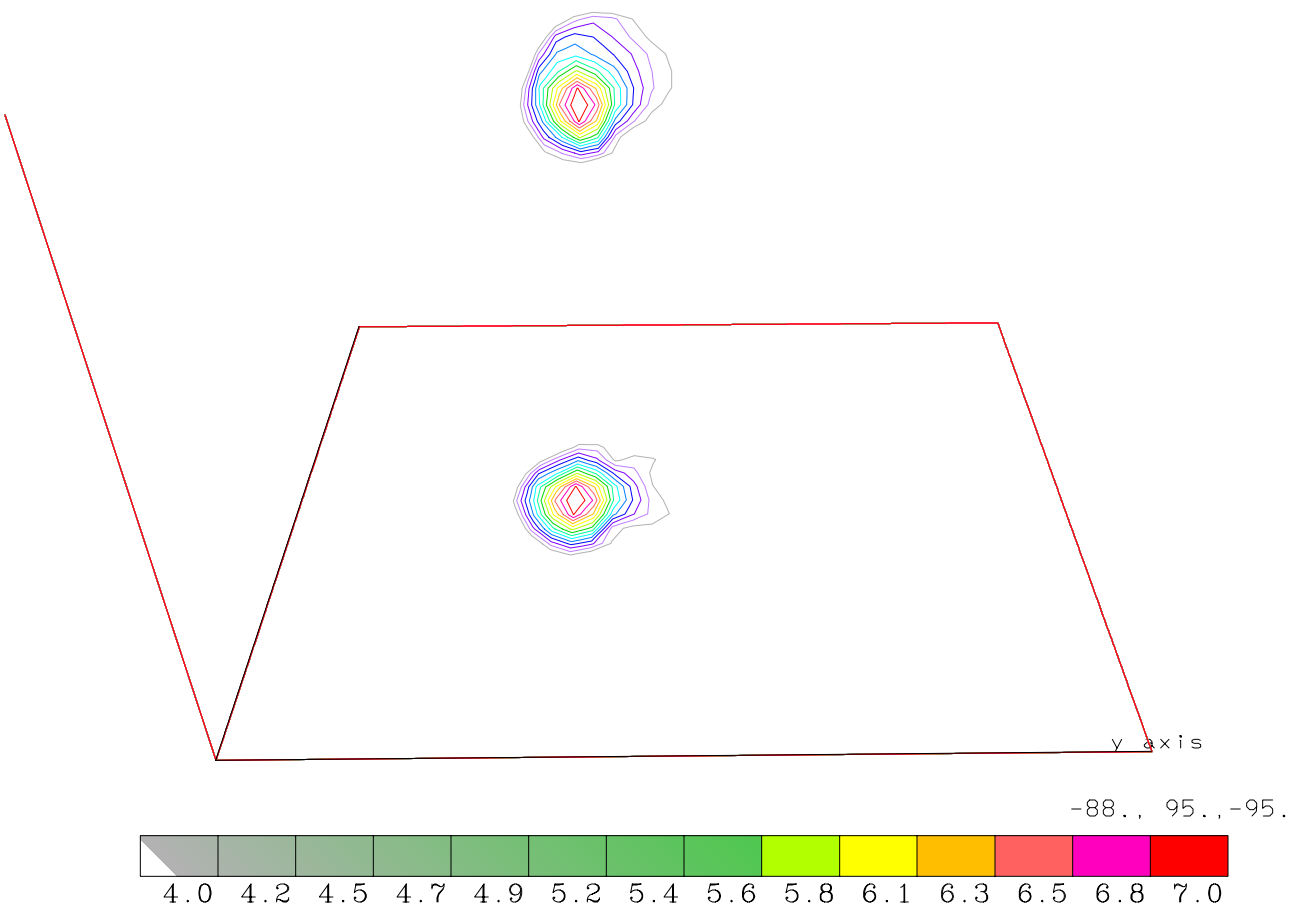
o den vt ut = 0.75

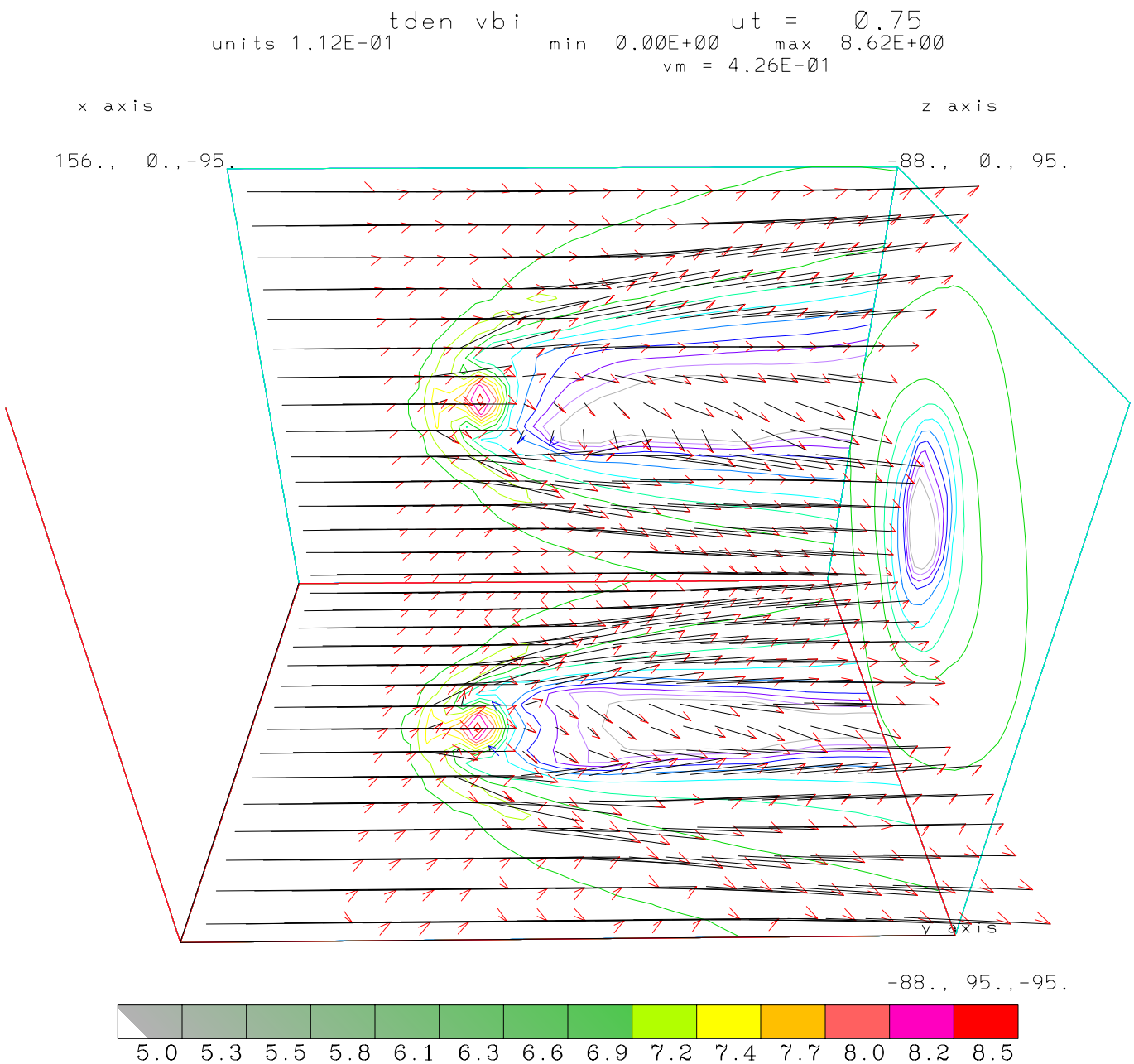
units 1.12E-01 min 0.00E+00 max 7.30E+00

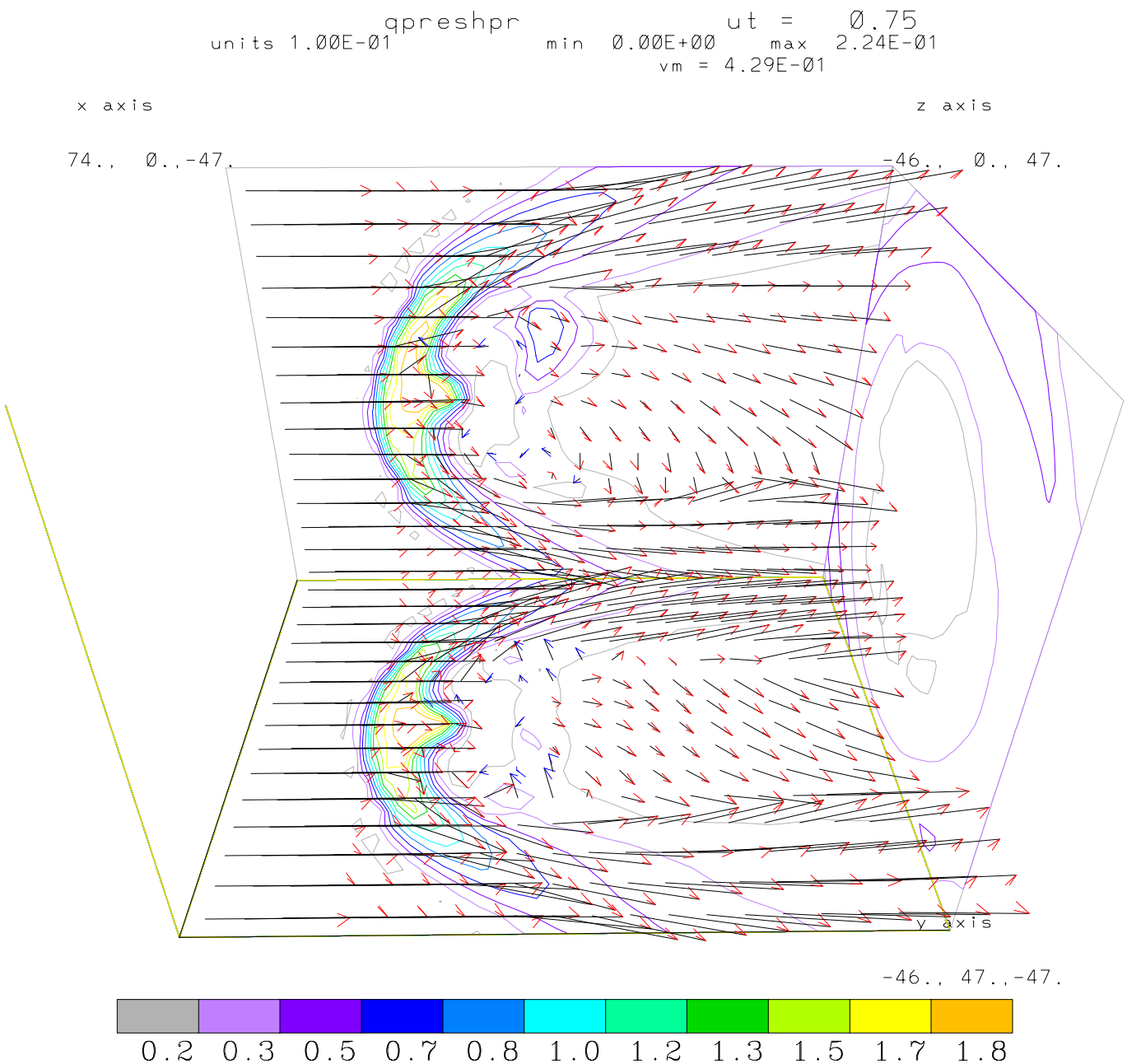
vm = 4.00E-05

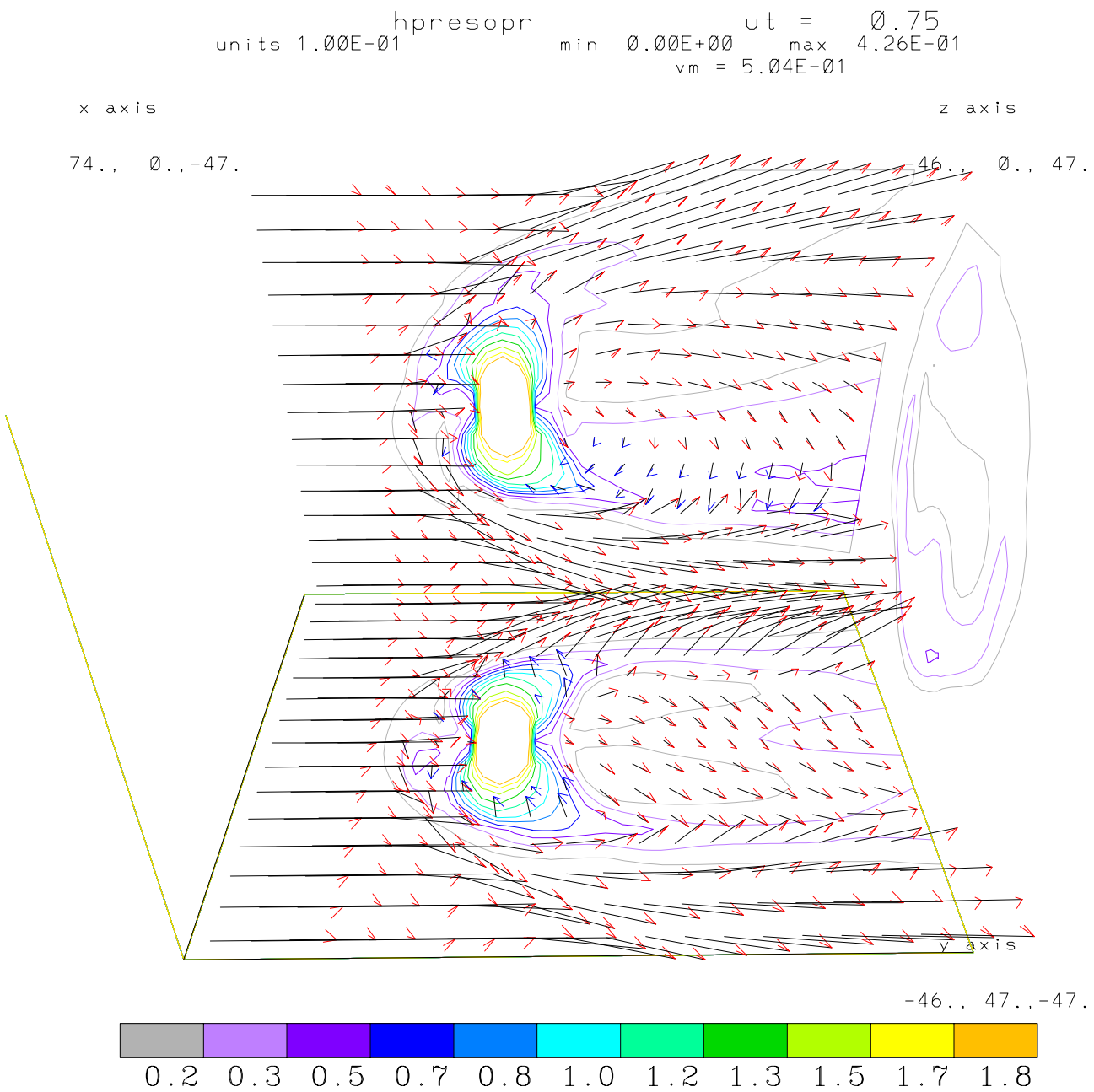
x axis z axis

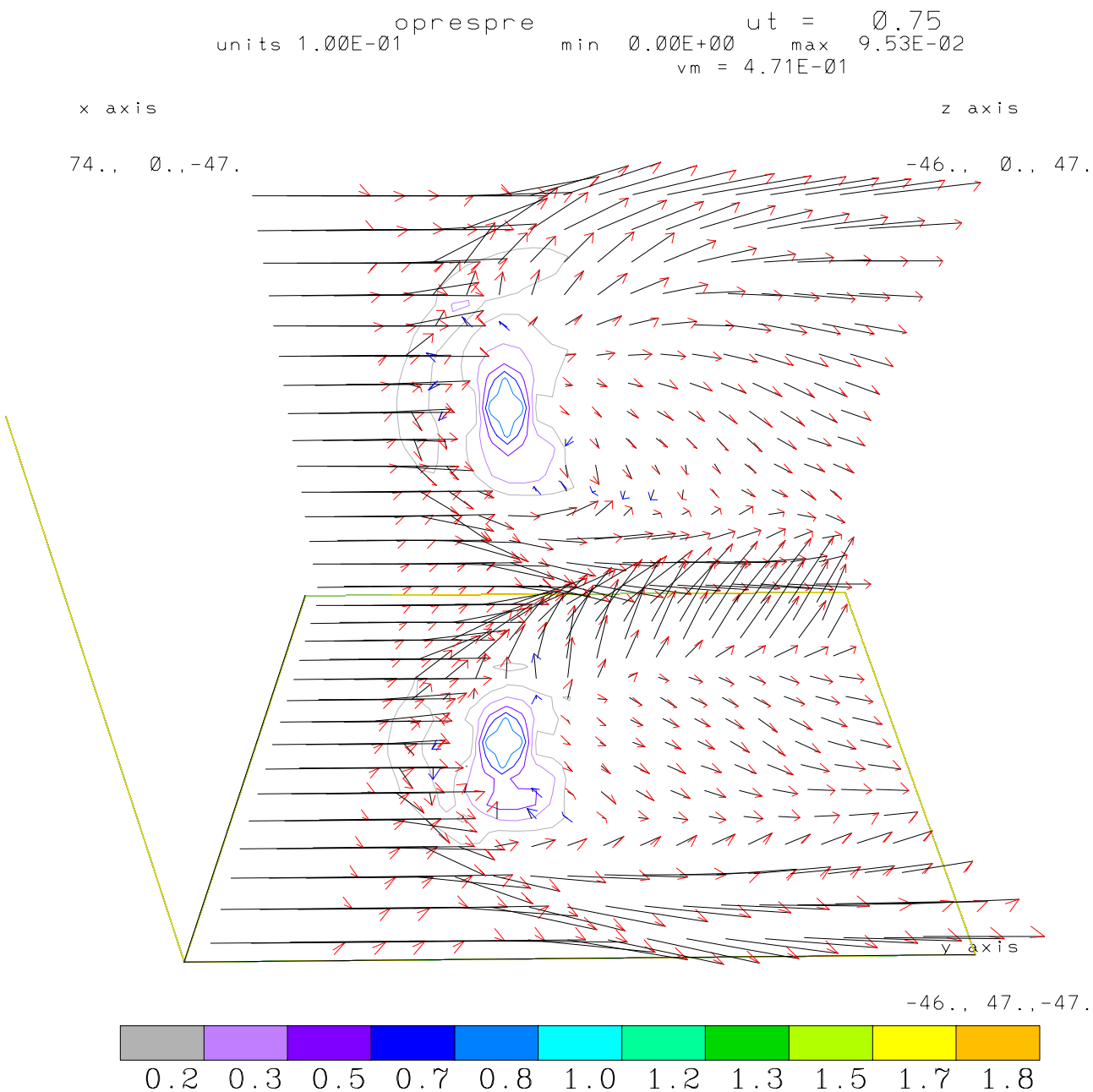
156., 0.,-95. -88., 0., 95.

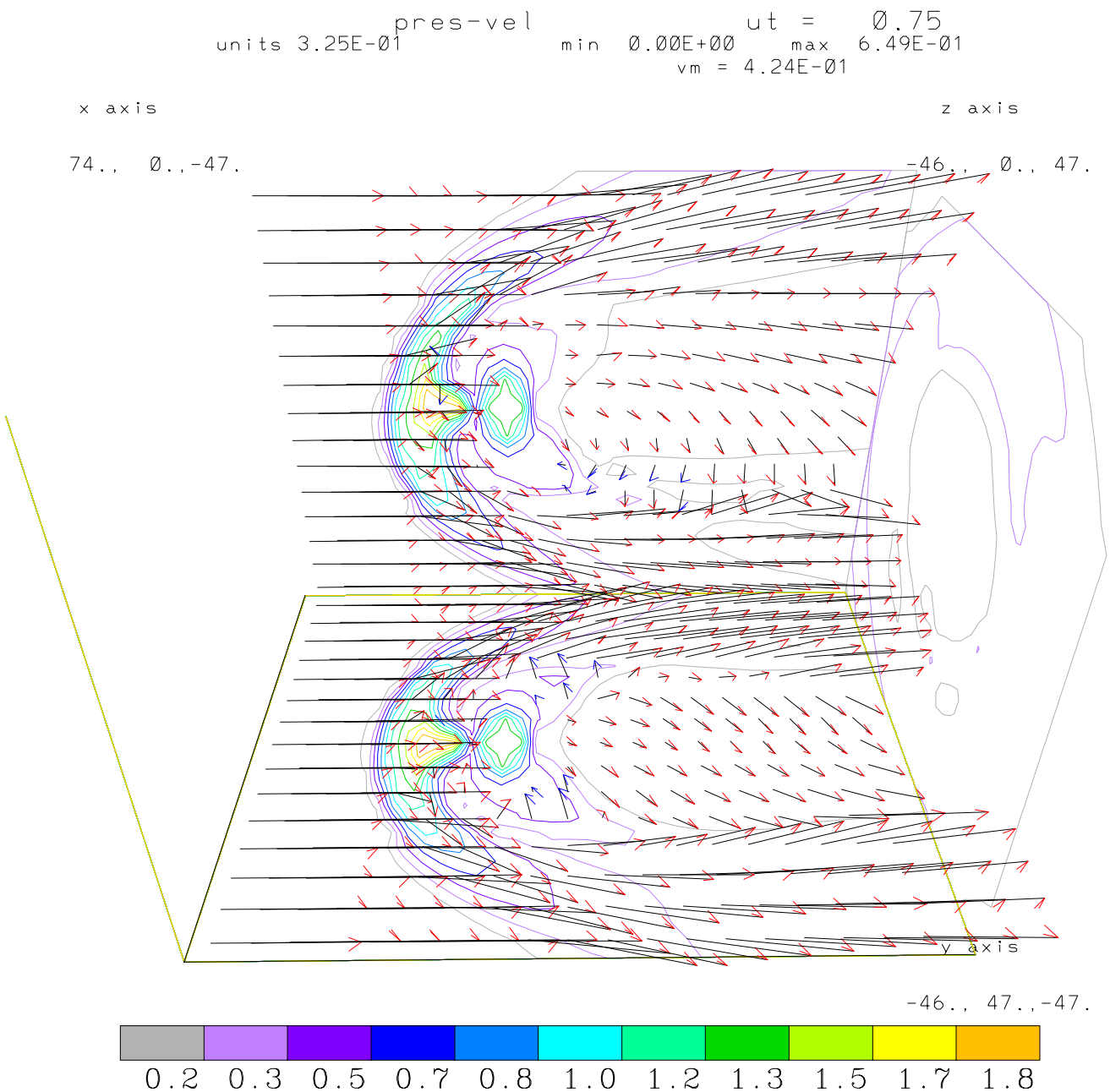


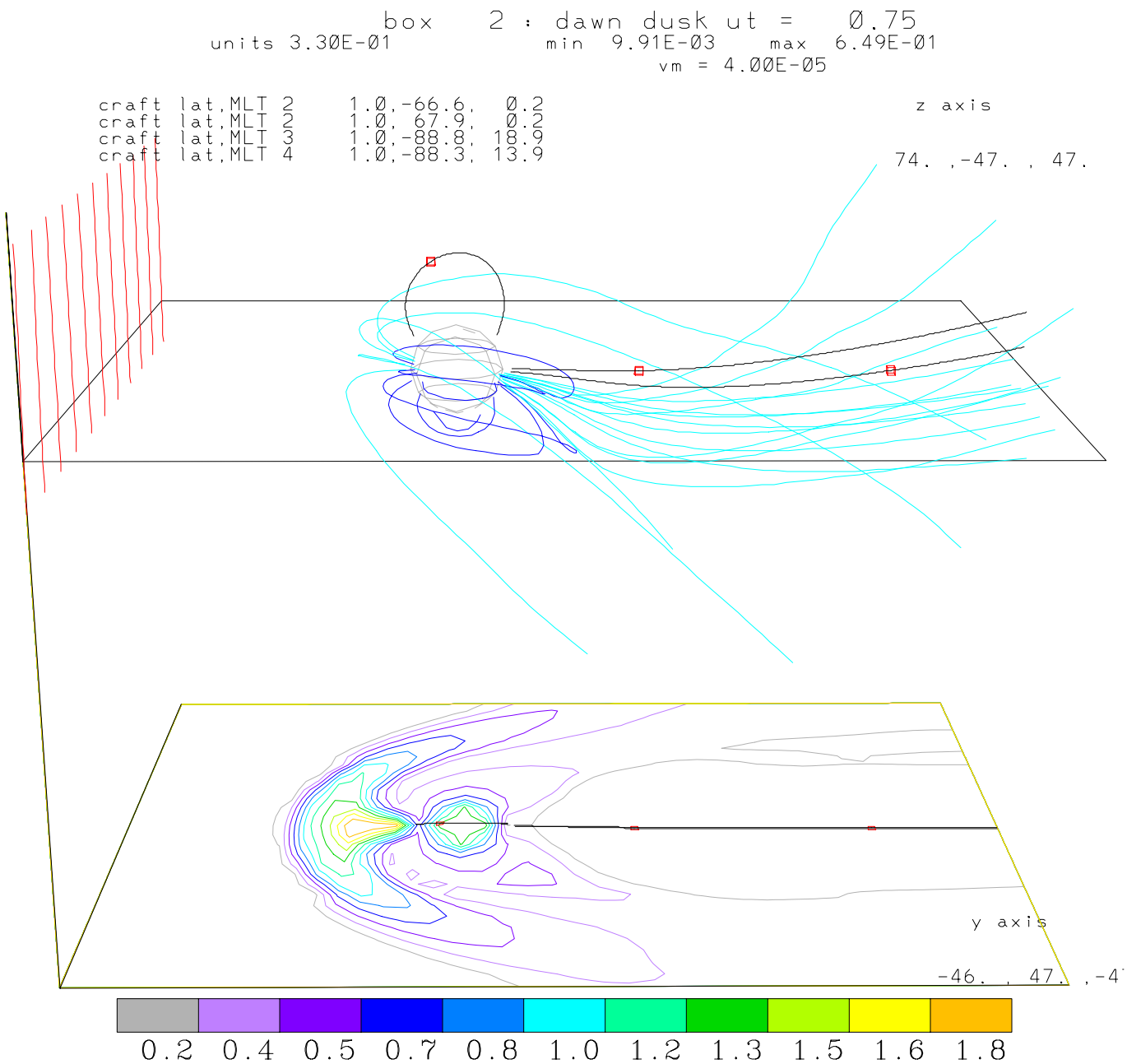

tden vbi
ut = 0.75
units 1.12E-01
min 0.00E+00
max 8.62E+00
vm = 4.26E-01
x axis
z axis
156., 0.,-95.
-88., 0., 95.
y axis
-88., 95.,-95.
5.0 5.3 5.5 5.8 6.1 6.3 6.6 6.9 7.2 7.4 7.7 8.0 8.2 8.5

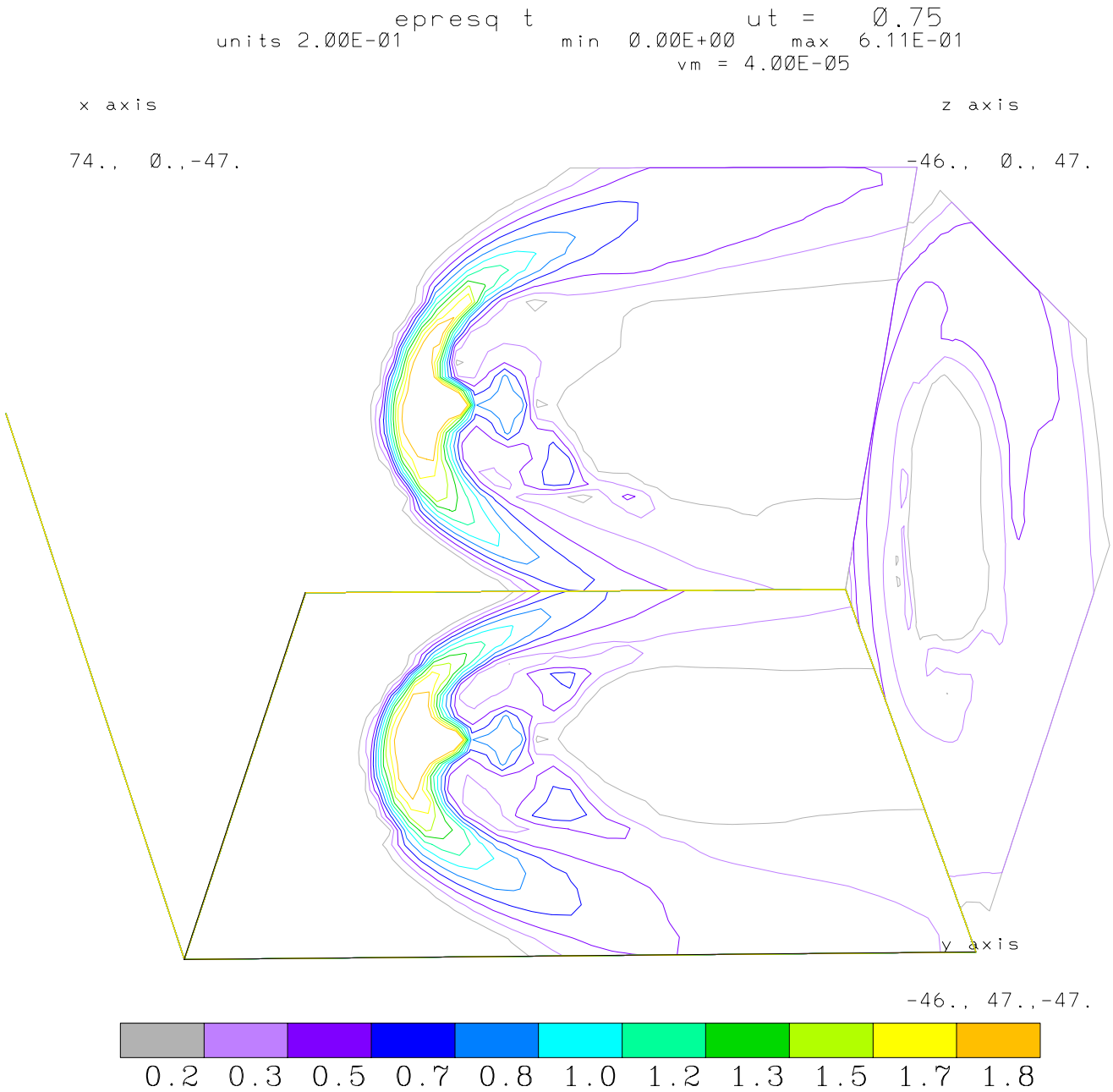

qpreshpr
ut = 0.75
units 1.00E-01
min 0.00E+00
max 2.24E-01
vm = 4.29E-01
x axis
z axis
74., 0.,-47.
-46., 0., 47.
y axis
-46., 47.,-47.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


hpresopr
ut = 0.75
units 1.00E-01
min 0.00E+00
max 4.26E-01
vm = 5.04E-01
x axis
z axis
74., 0.,-47.
-46., 0., 47.
y axis
-46., 47.,-47.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


oprespre
ut = 0.75
units 1.00E-01
min 0.00E+00
max 9.53E-02
vm = 4.71E-01
x axis
z axis
74., 0.,-47.
-46., 0., 47.
y axis
-46., 47.,-47.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


pres-vel
ut = 0.75
units 3.25E-01
min 0.00E+00
max 6.49E-01
vm = 4.24E-01
x axis
z axis
74., 0.,-47.
-46., 0., 47.
y axis
-46., 47.,-47.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


box 2 : dawn dusk ut = 0.75
units 3.30E-01
min 9.91E-03 max 6.49E-01
vm = 4.00E-05
craft lat,MLT 2 1.0,-66.6, 0.2
craft lat,MLT 2 1.0, 67.9, 0.2
craft lat,MLT 3 1.0,-88.8, 18.9
craft lat,MLT 4 1.0,-88.3, 13.9
z axis
74. ,-47. , 47.
y axis
-46. , 47. ,-4
0.2 0.4 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.6 1.8


epresq t
ut = 0.75
units 2.00E-01
min 0.00E+00
max 6.11E-01
vm = 4.00E-05
x axis
z axis
74., 0.,-47.
-46., 0., 47.
y axis
-46., 47.,-47.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8

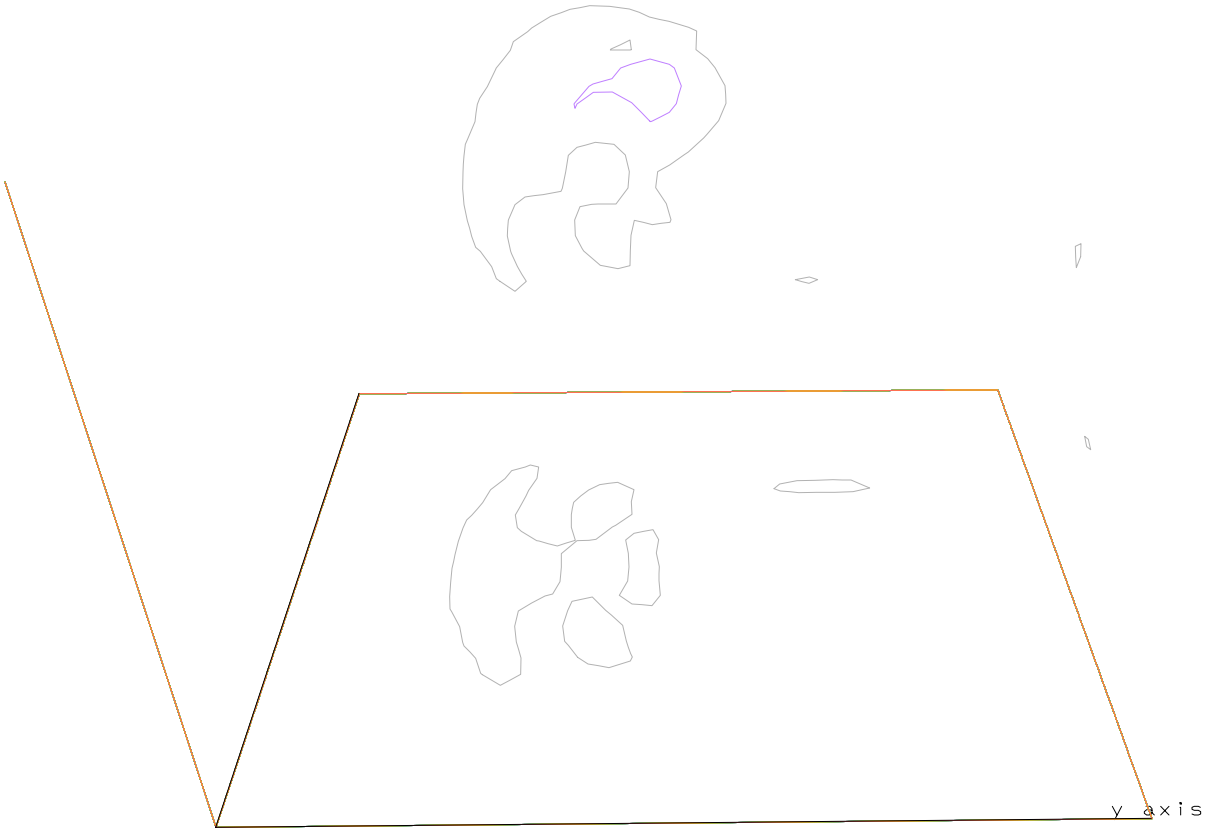
q temph ut = 0.75

units 2.50E-01 min 0.00E+00 max 1.35E-01

vm = 4.00E-05

x axis z axis

74., 0.,-47. -46., 0., 47.



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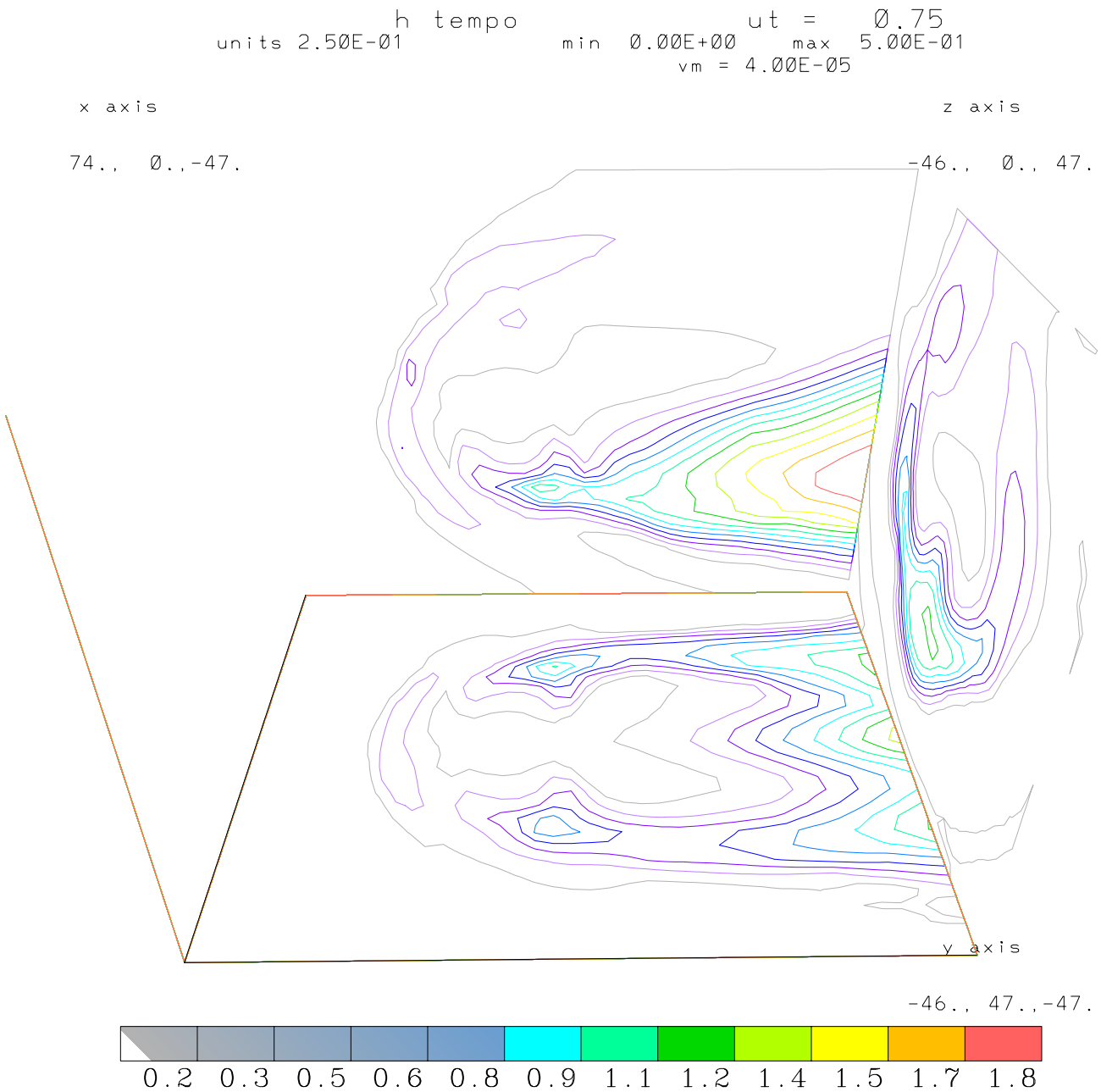
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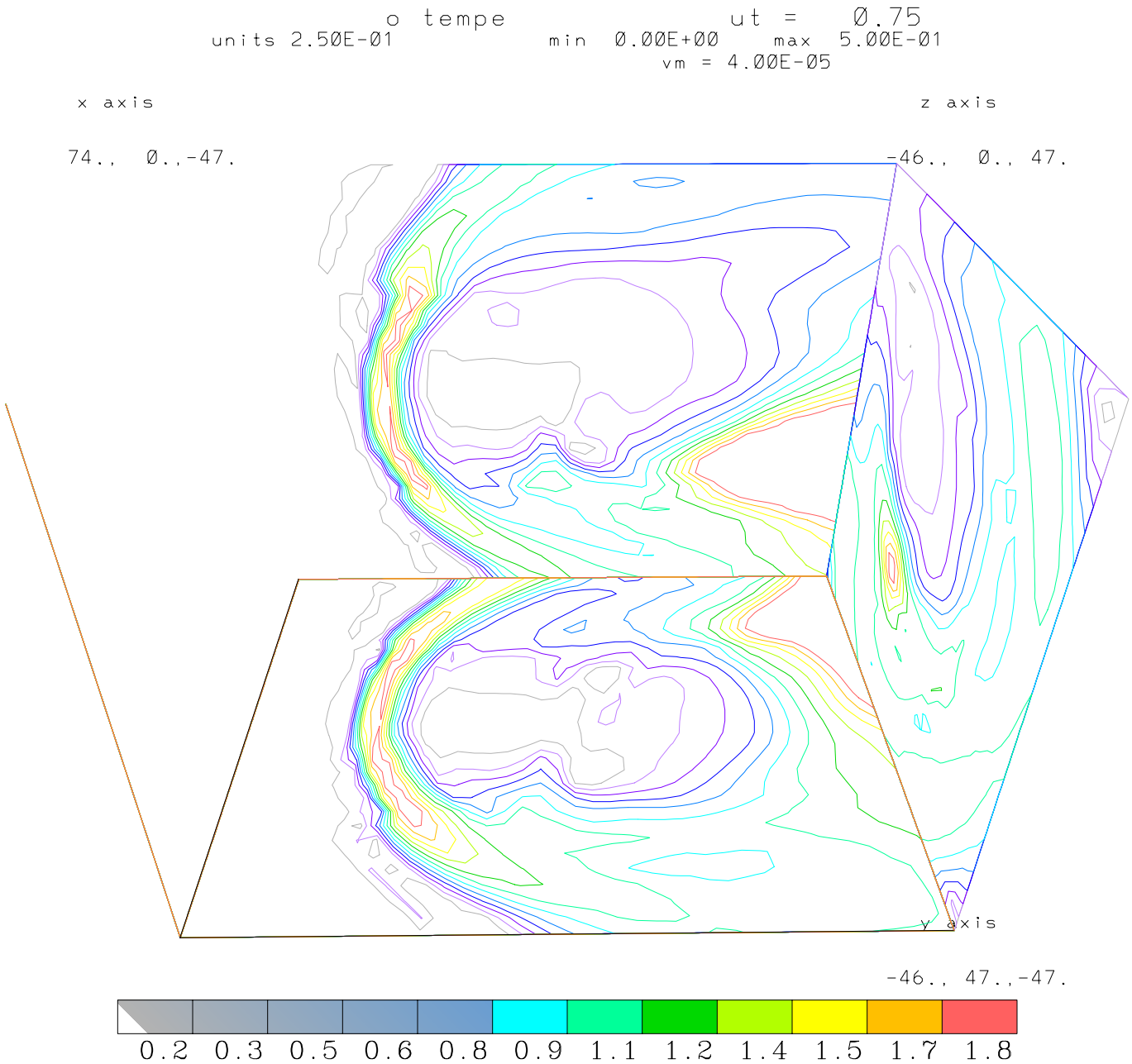
units 2.50E-01
min 0.00E+00
max 5.00E-01
vm = 4.00E-05
x axis
z axis
74., 0.,-47.
-46., 0., 47.
y axis
-46., 47.,-47.
0.2 0.3 0.5 0.6 0.8 0.9 1.1 1.2 1.4 1.5 1.7 1.8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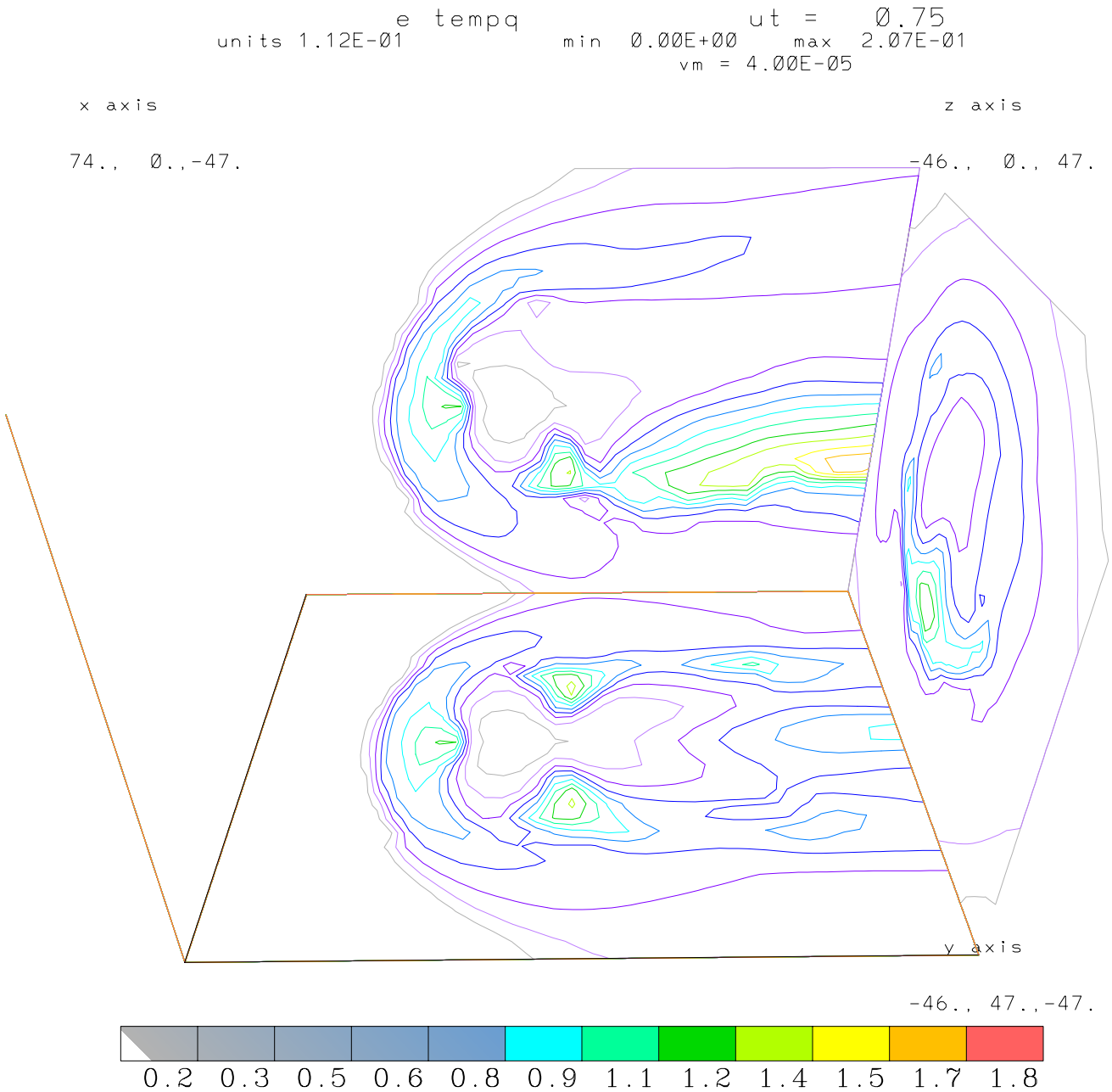
min 0.00E+00
max 5.00E-01
vm = 4.00E-05
x axis
z axis
74., 0.,-47.
-46., 0., 47.
y axis
-46., 47.,-47.
0.2 0.3 0.5 0.6 0.8 0.9 1.1 1.2 1.4 1.5 1.7 1.8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max 2.07E-01
vm = 4.00E-05
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z axis
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y axis
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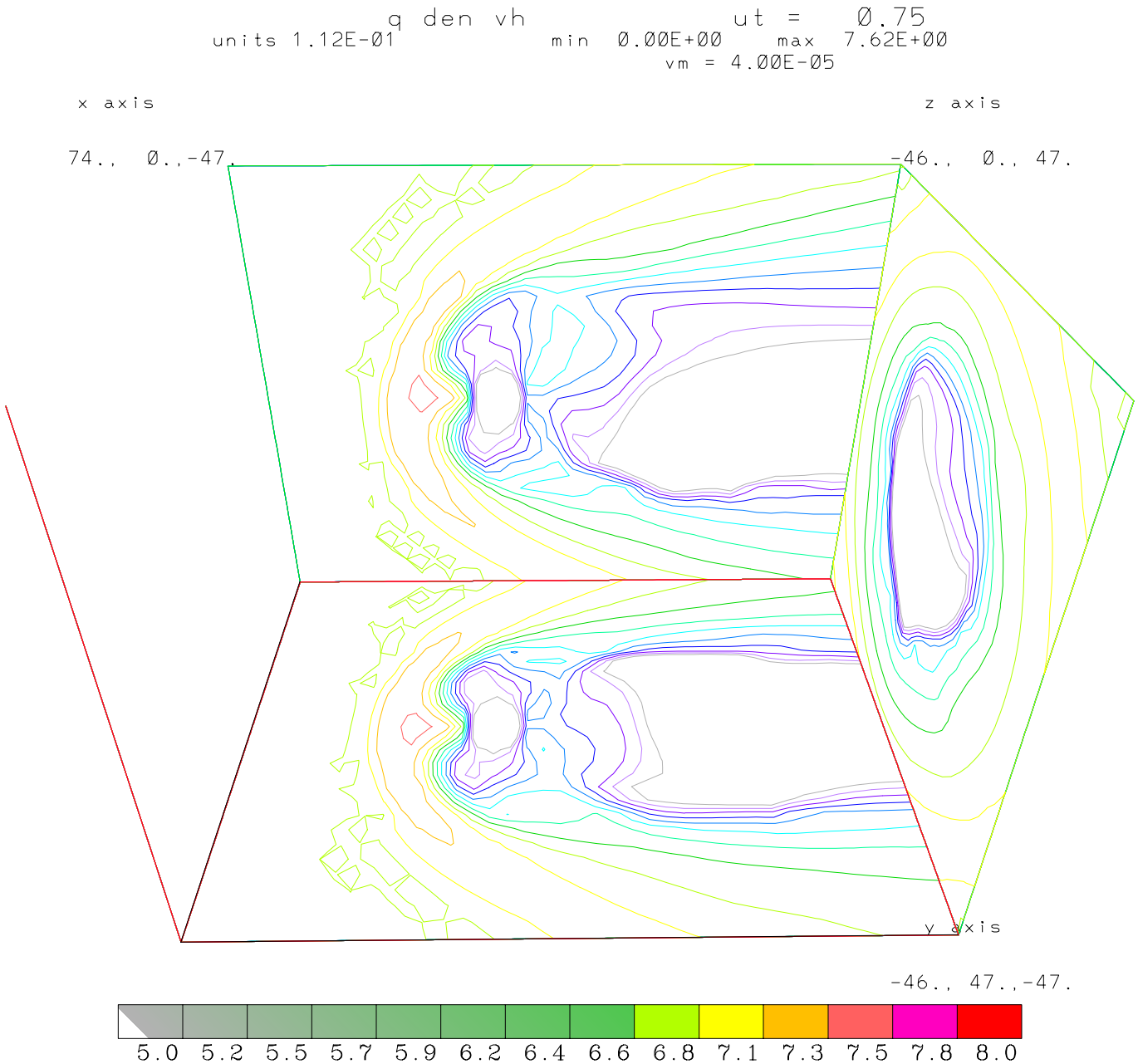
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max 7.62E+00
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z axis
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-46., 0., 47.
y axis
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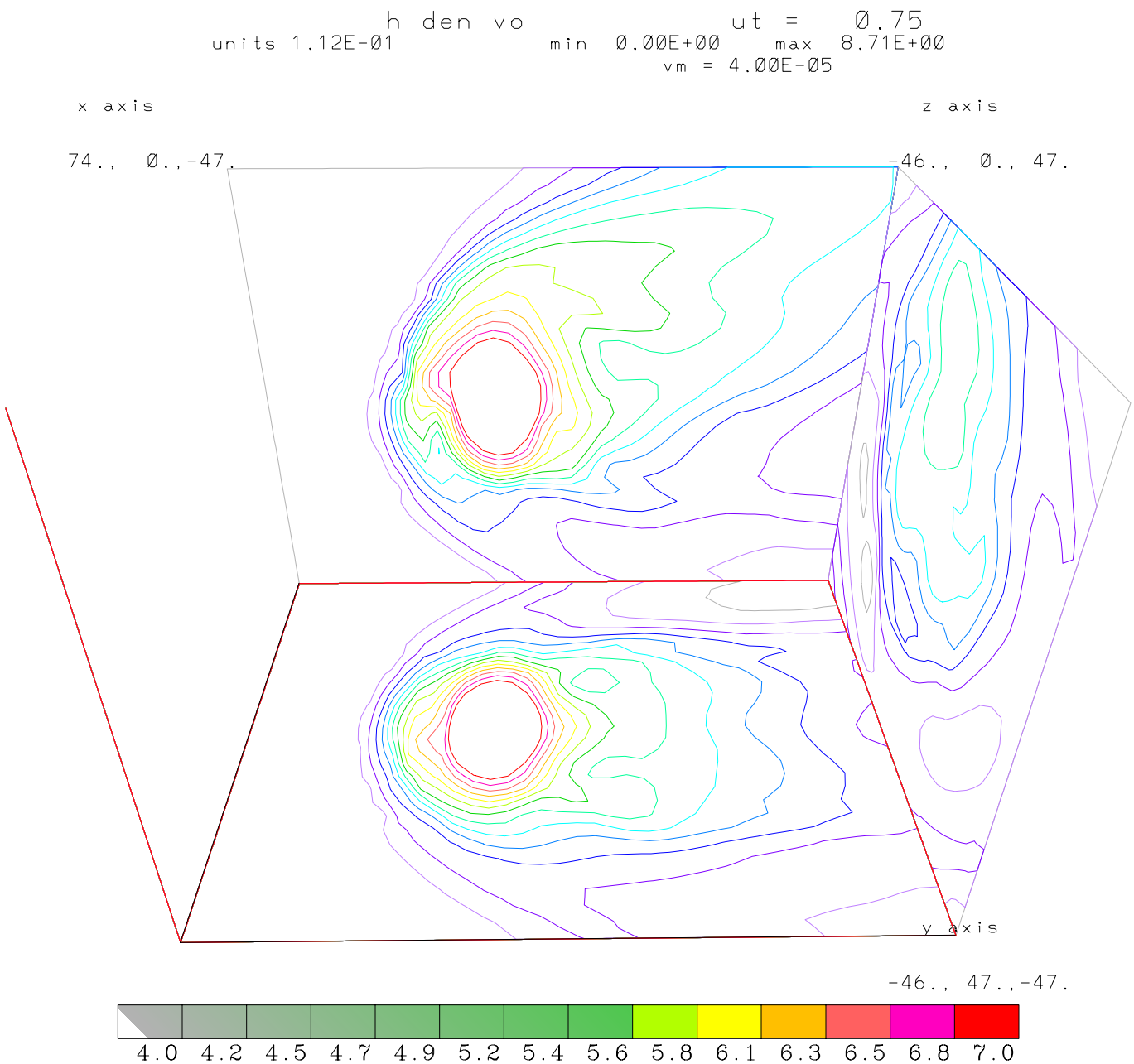
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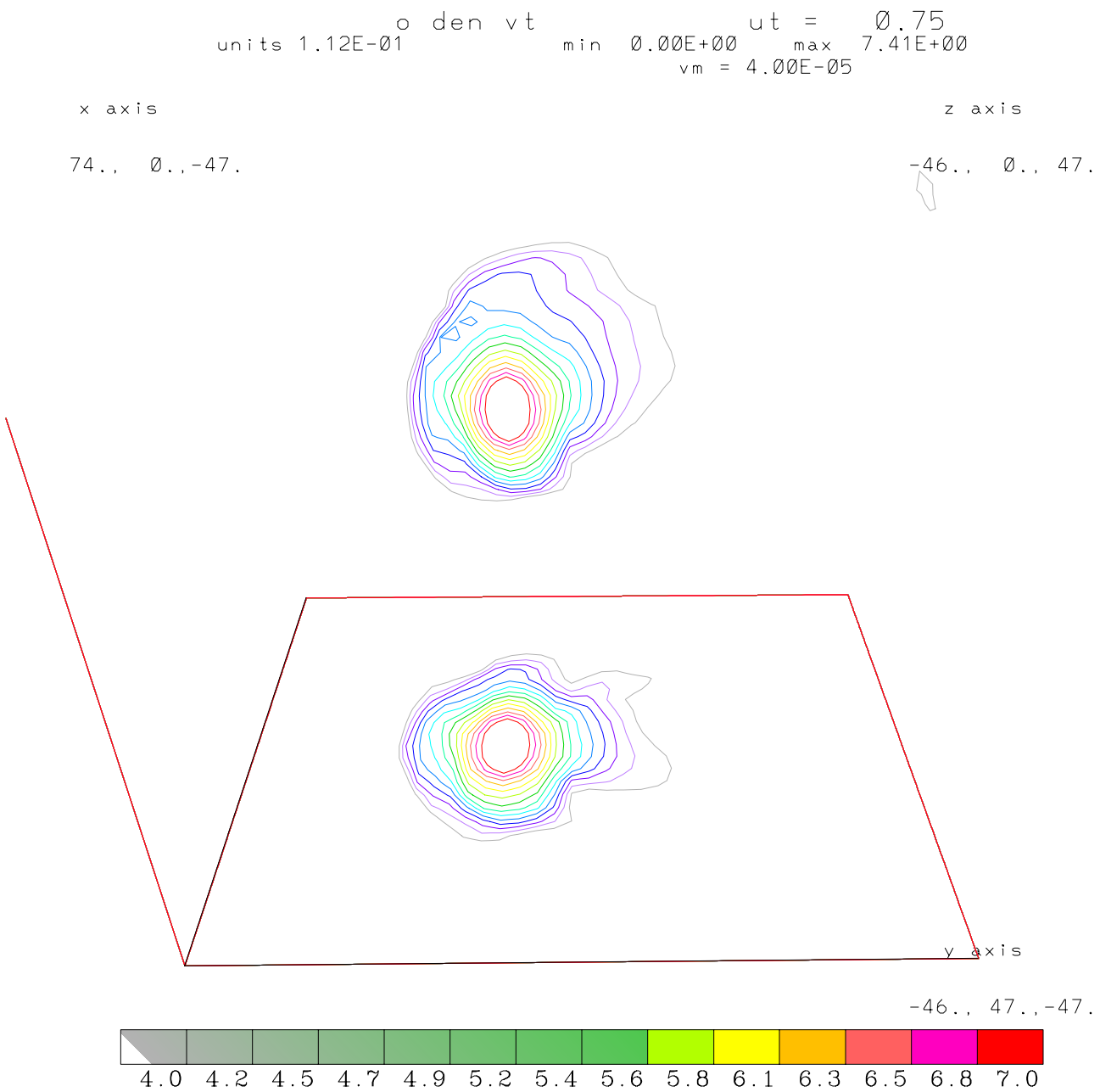
x axis
z axis
74., 0.,-47.
-46., 0., 47.
y axis
-46., 47.,-47.
4.0 4.2 4.5 4.7 4.9 5.2 5.4 5.6 5.8 6.1 6.3 6.5 6.8 7.0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z axis
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-46., 0., 47.
y axis
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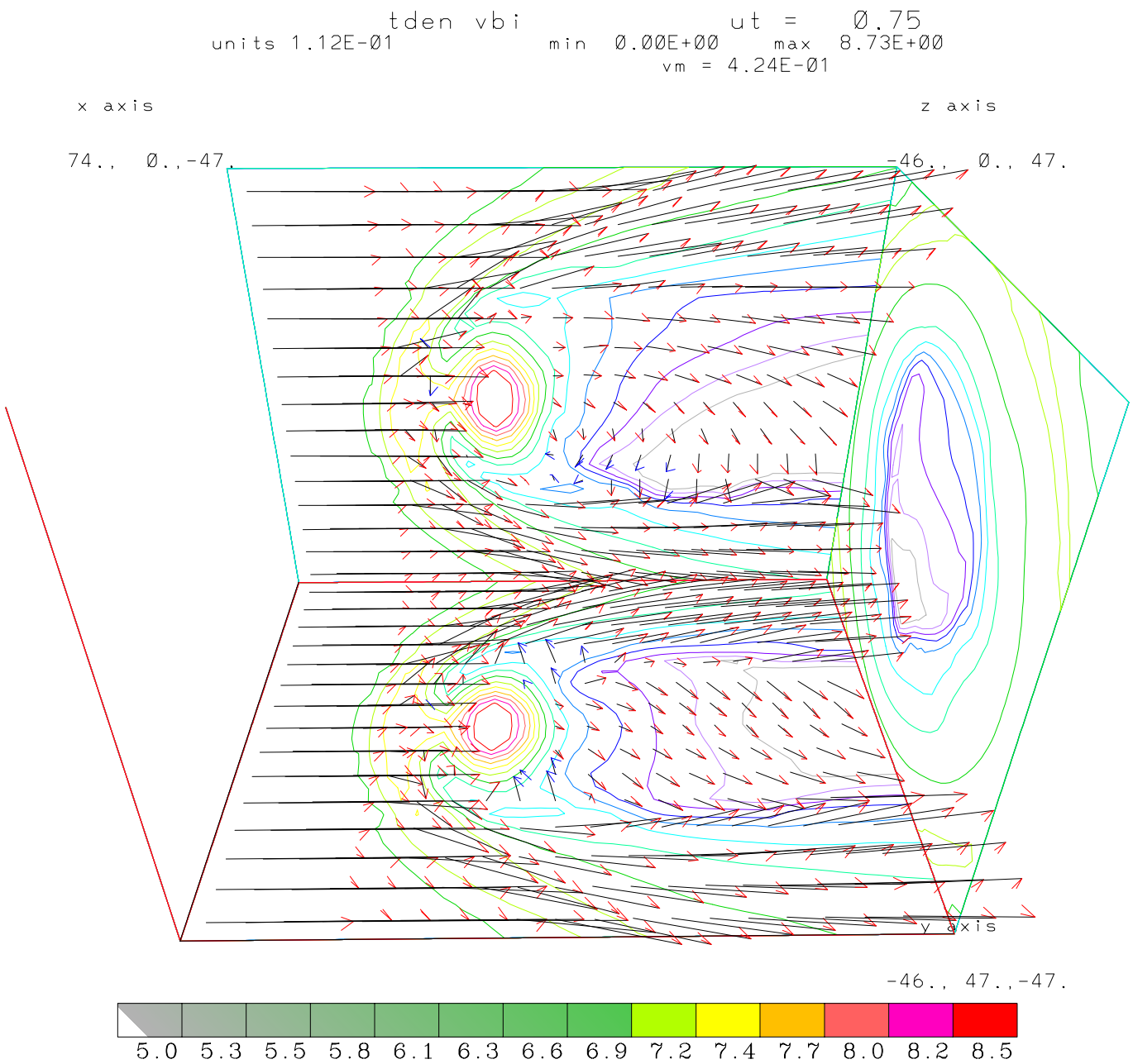
4.0 4.2 4.5 4.7 4.9 5.2 5.4 5.6 5.8 6.1 6.3 6.5 6.8 7.0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z axis
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y axis
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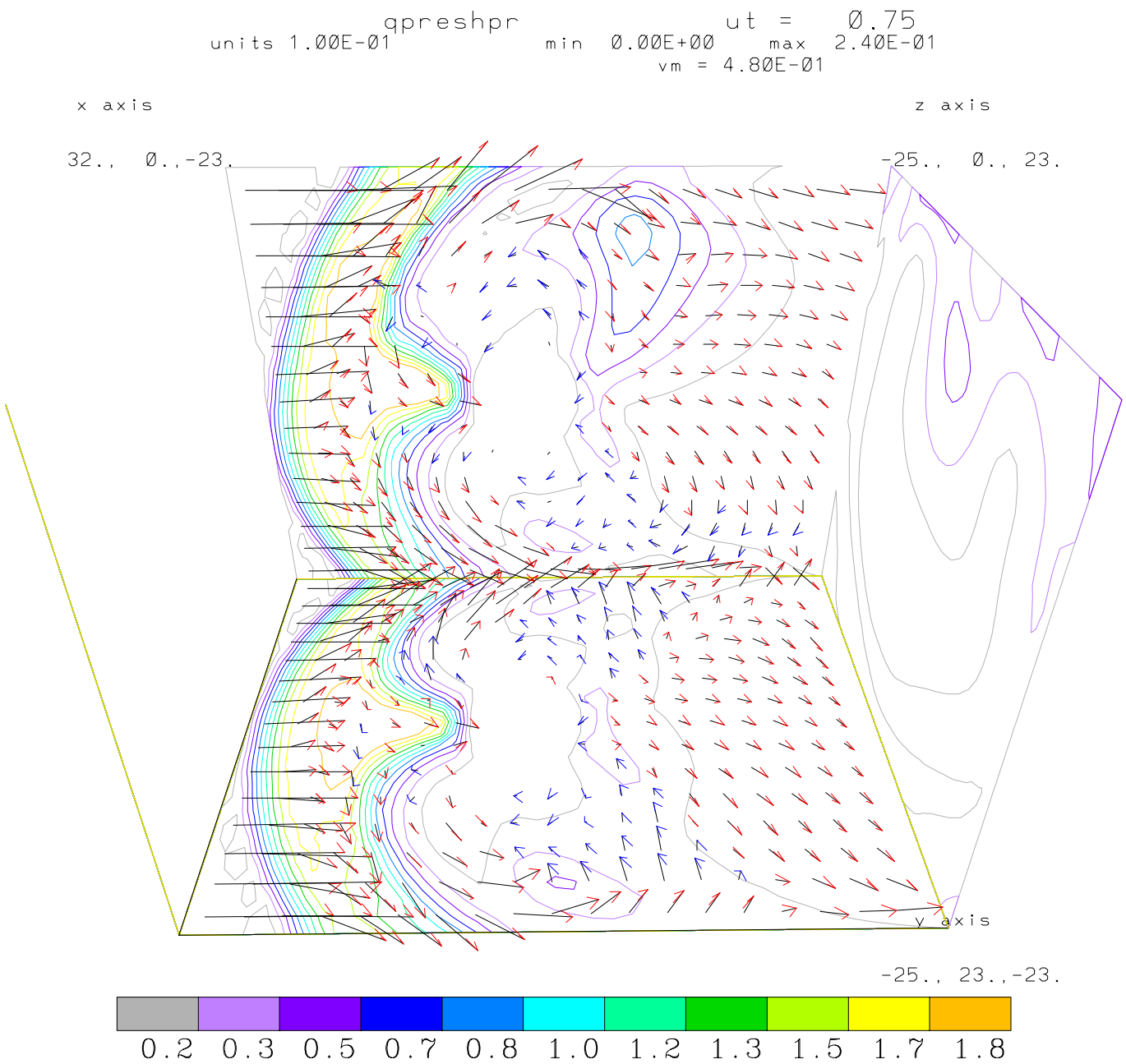
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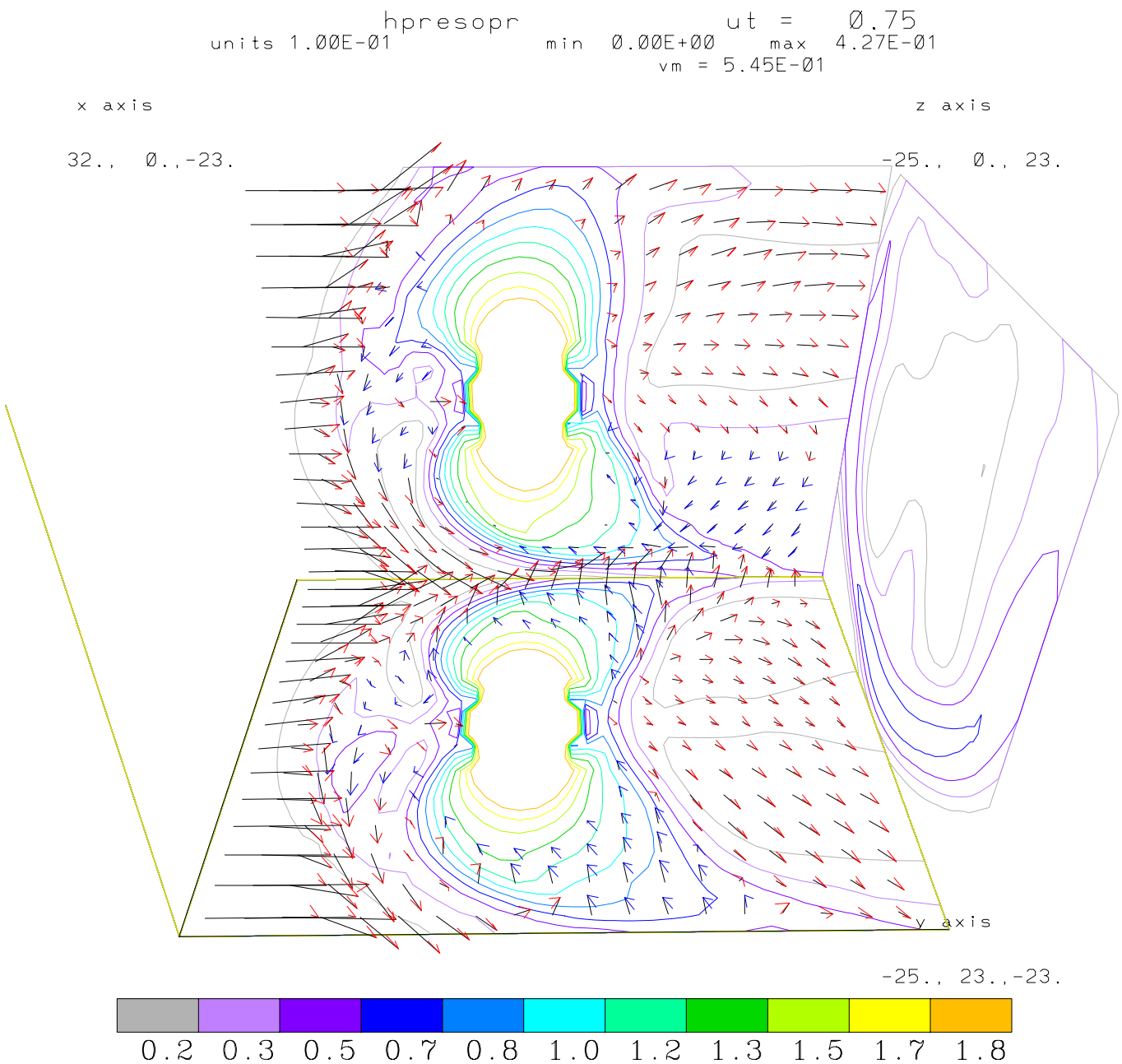
y axis
-25., 23.,-23.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8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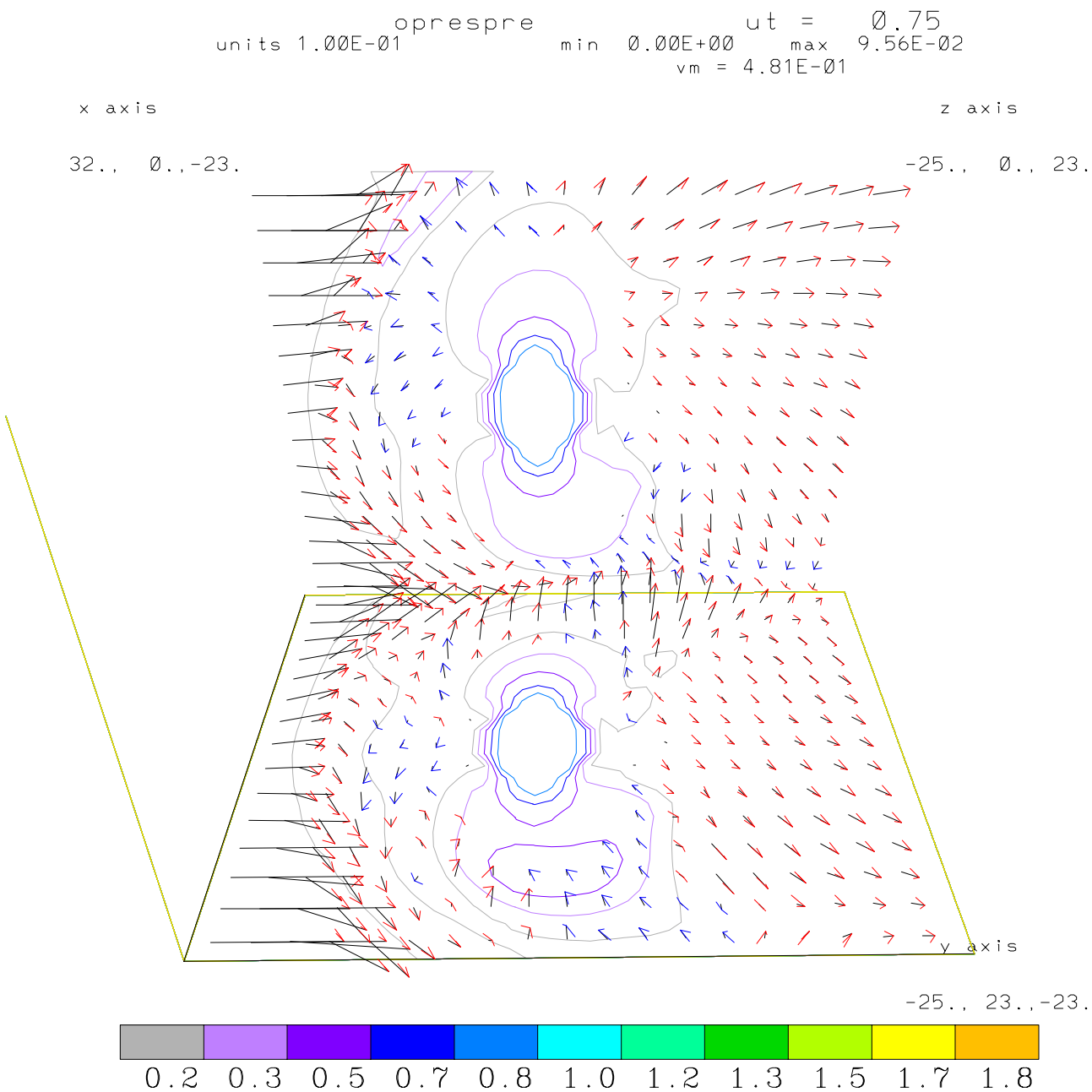
y axis
-25., 23.,-23.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8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z axis
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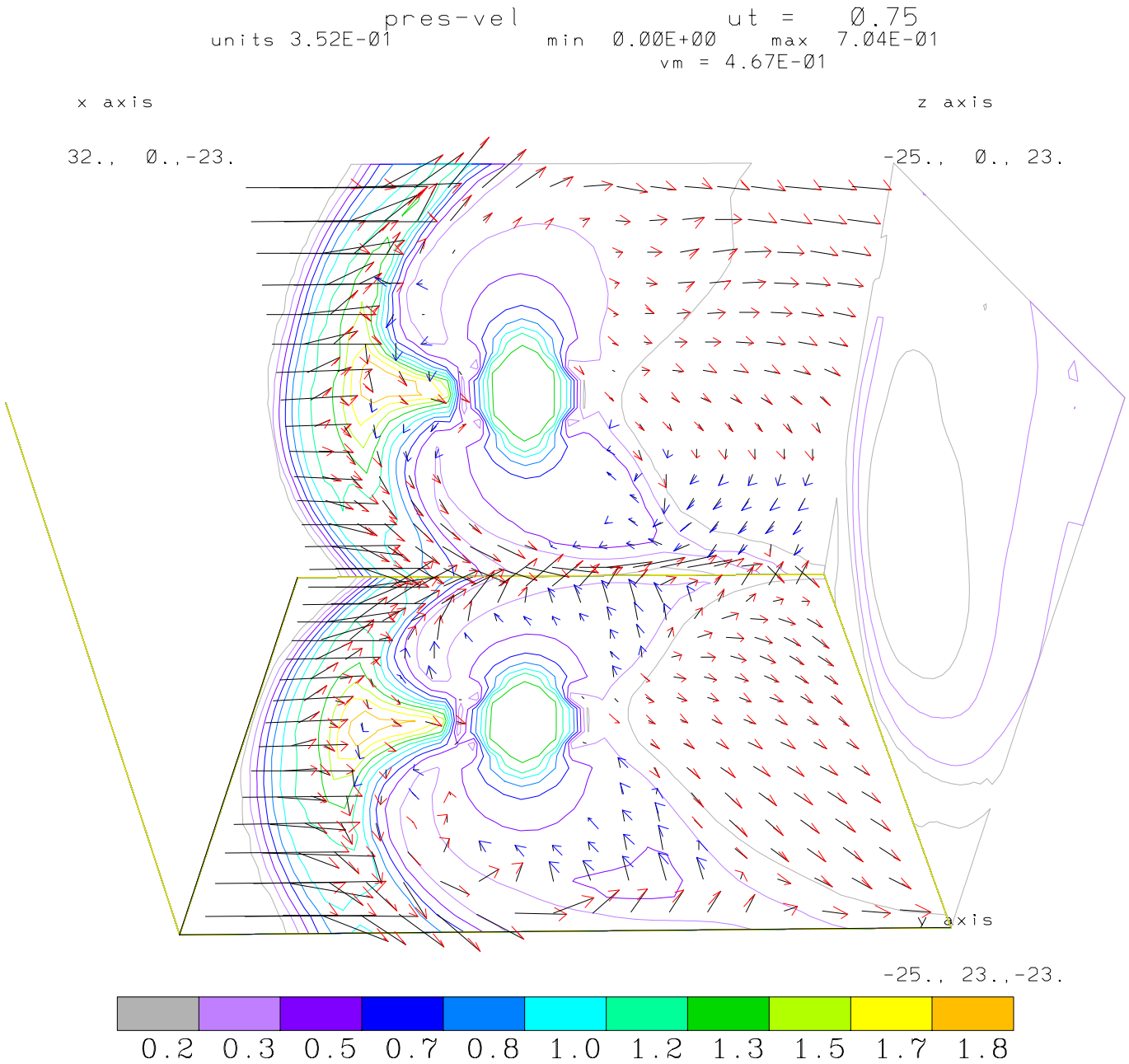
-25., 0., 23.
y axis
-25., 23.,-23.
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8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max 7.04E-01
vm = 4.67E-01
x axis
z axis
32., 0.,-23.
-25., 0., 23.
y axis
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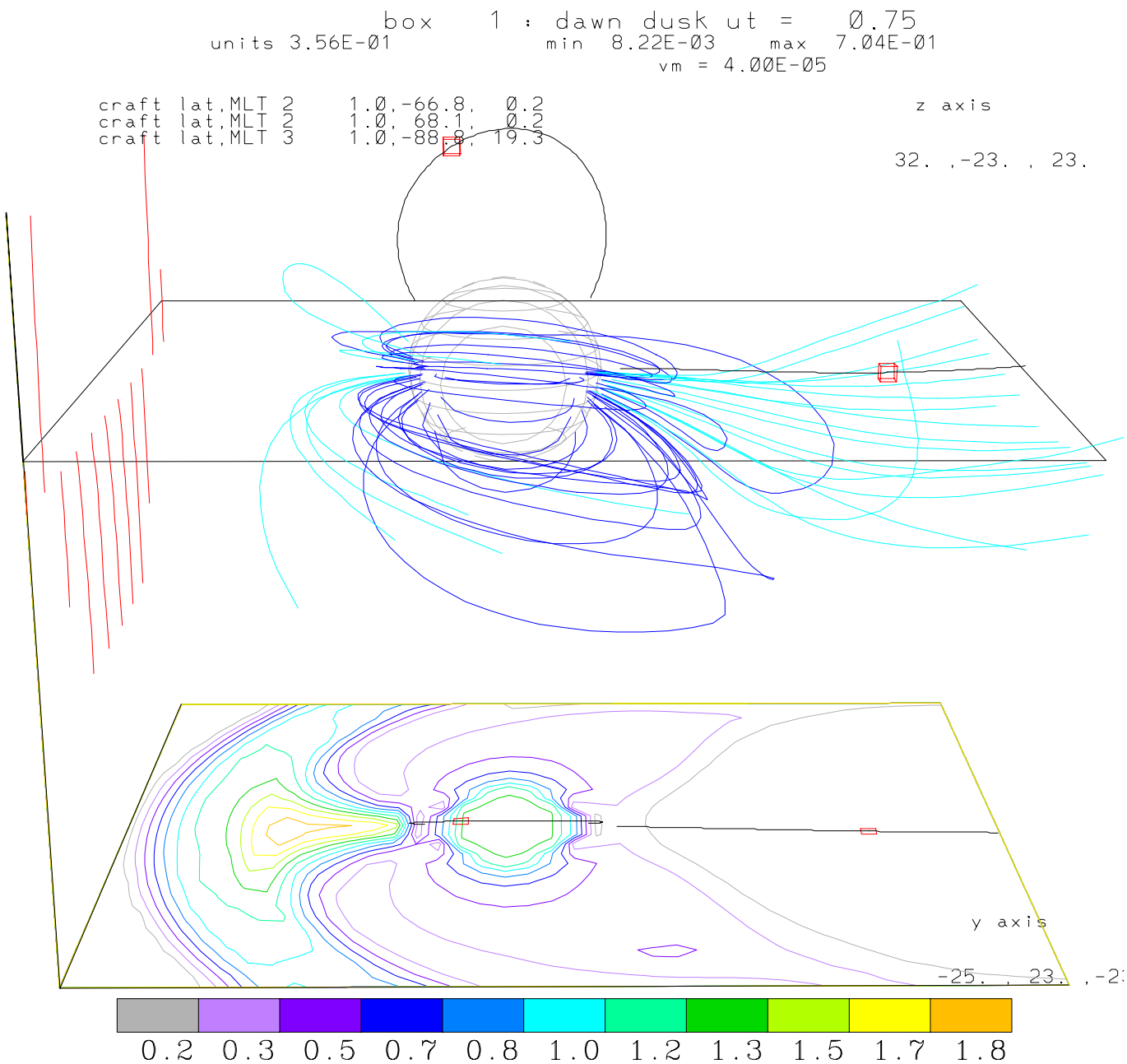
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8


box 1 : dawn dusk ut = 0.75
units 3.56E-01
min 8.22E-03 max 7.04E-01
vm = 4.00E-05
craft lat,MLT 2 1.0,-66.8, 0.2
craft lat,MLT 2 1.0, 68.1, 0.2
craft lat,MLT 3 1.0,-88.8, 19.3
z axis
32. ,-23. , 23.
y axis
-25. , 23. ,-2
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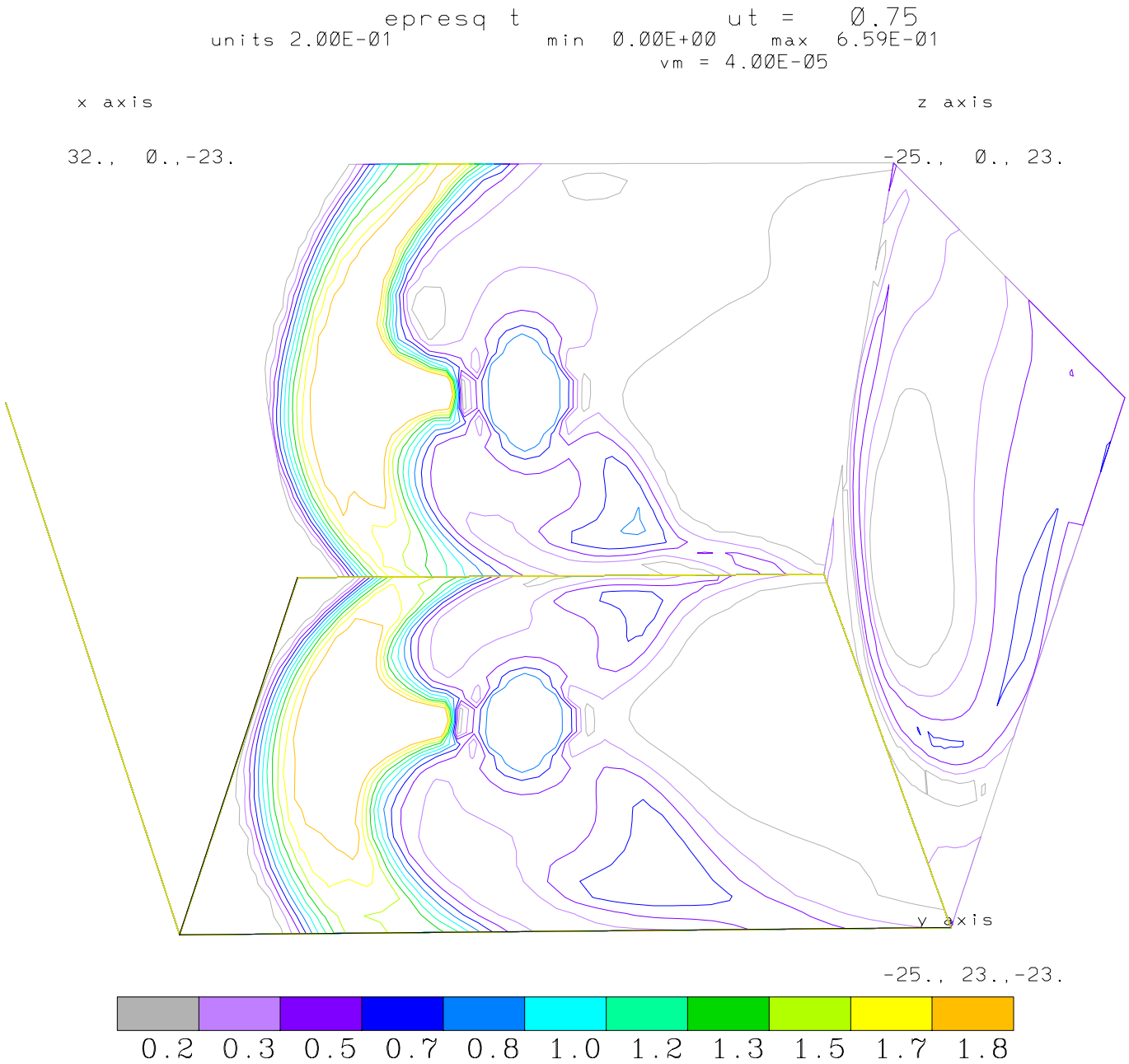
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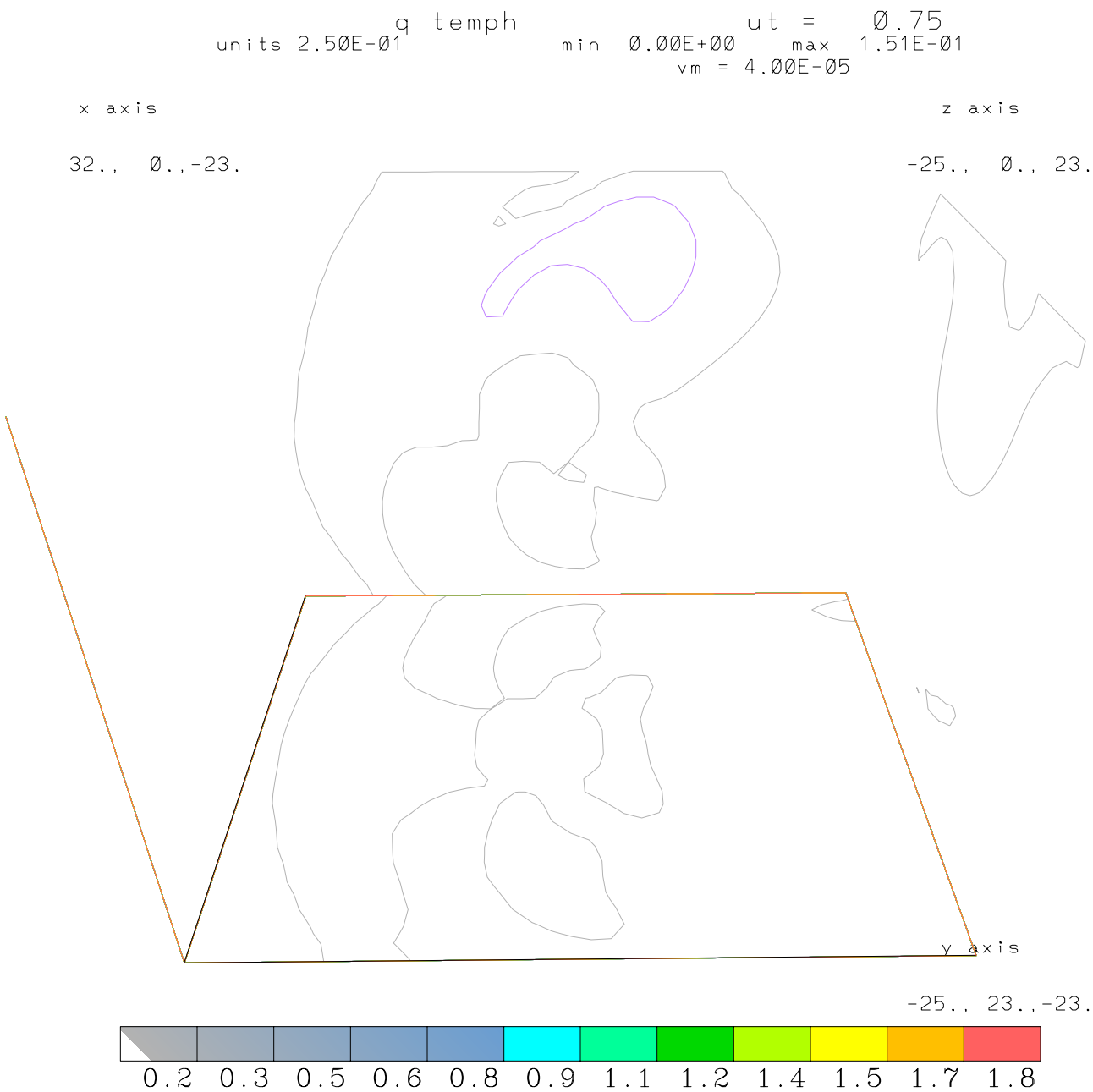
0.2 0.3 0.5 0.7 0.8 1.0 1.2 1.3 1.5 1.7 1.8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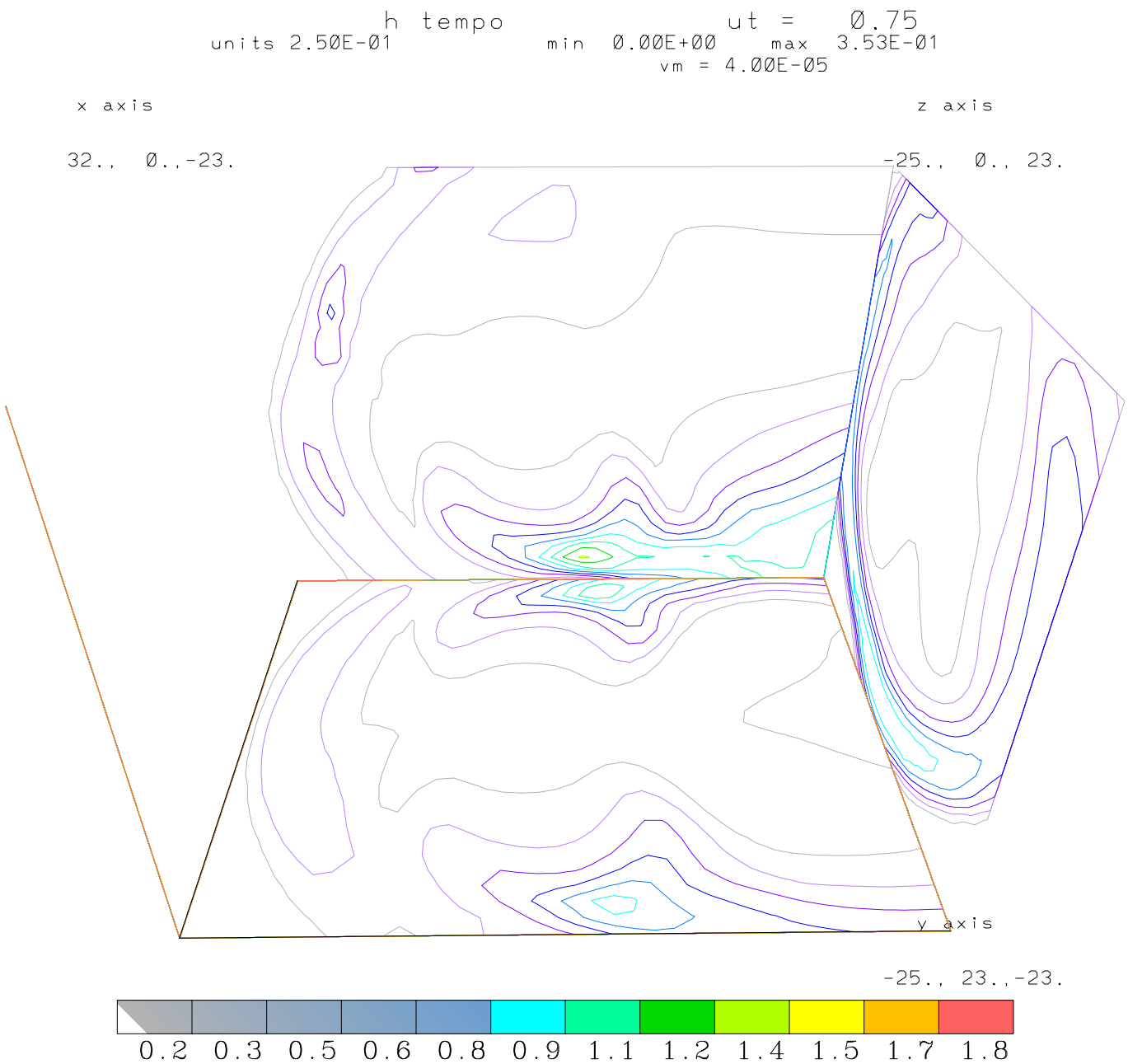
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-25., 23.,-23.
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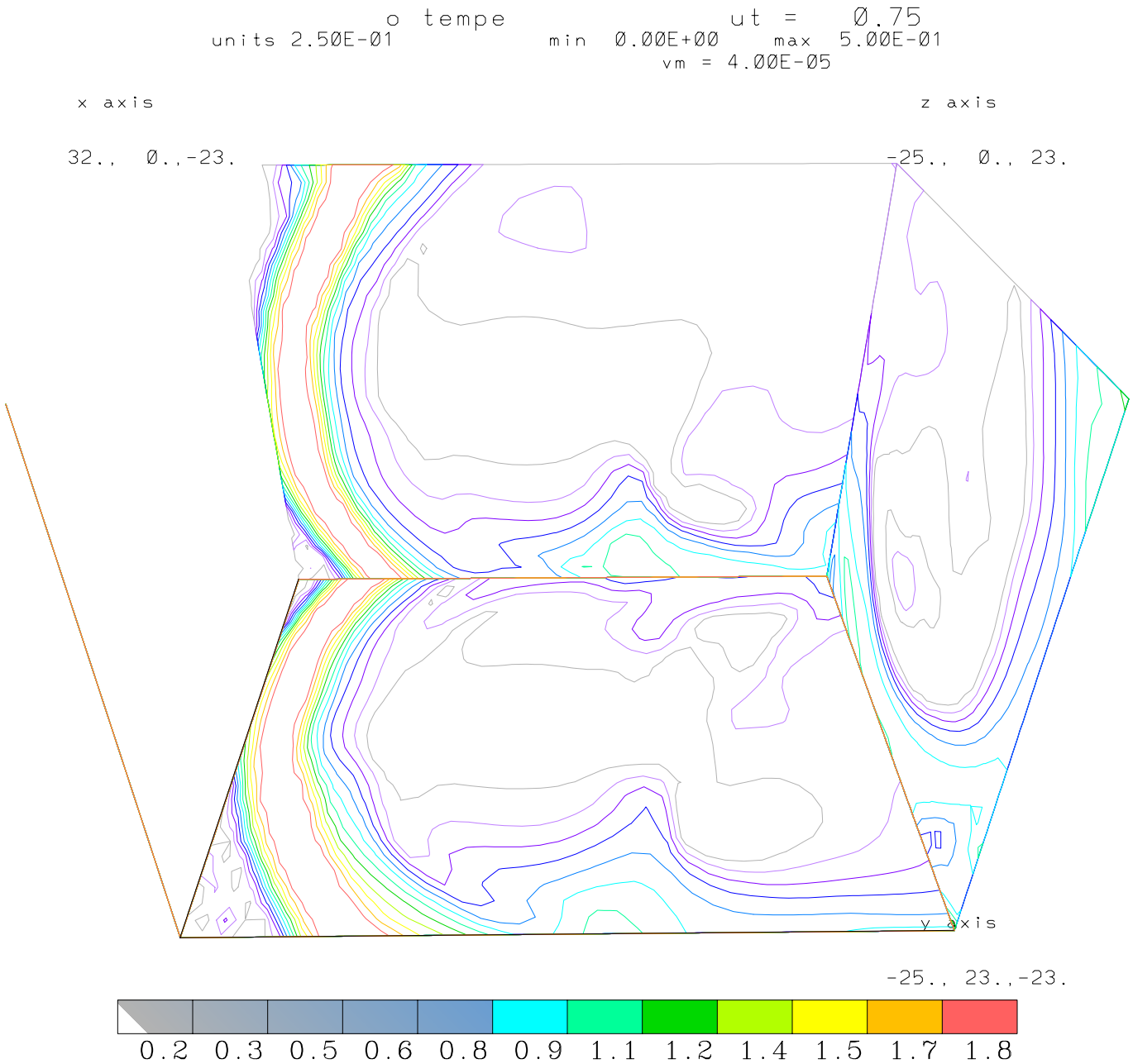
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-25., 0., 23.
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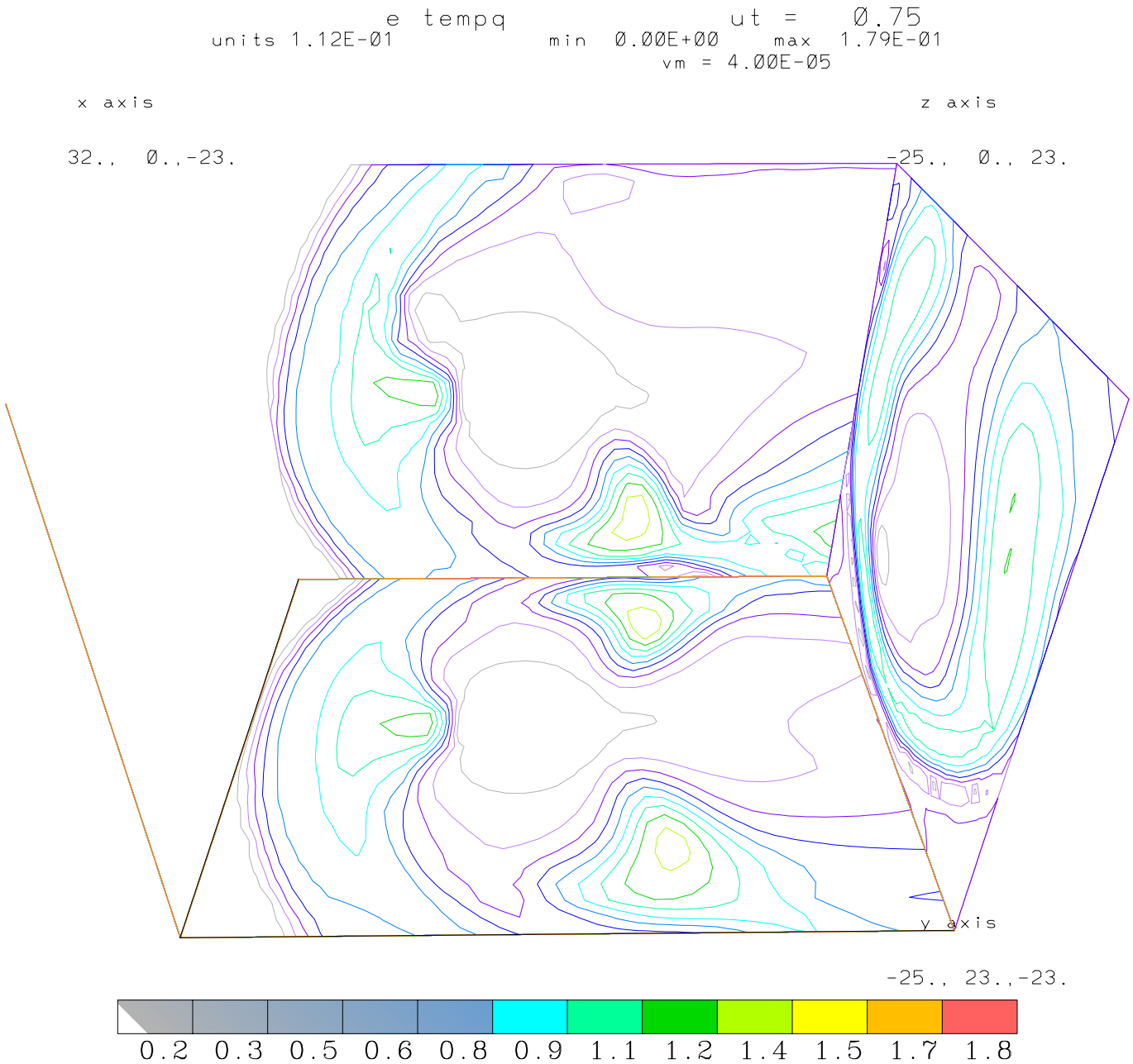
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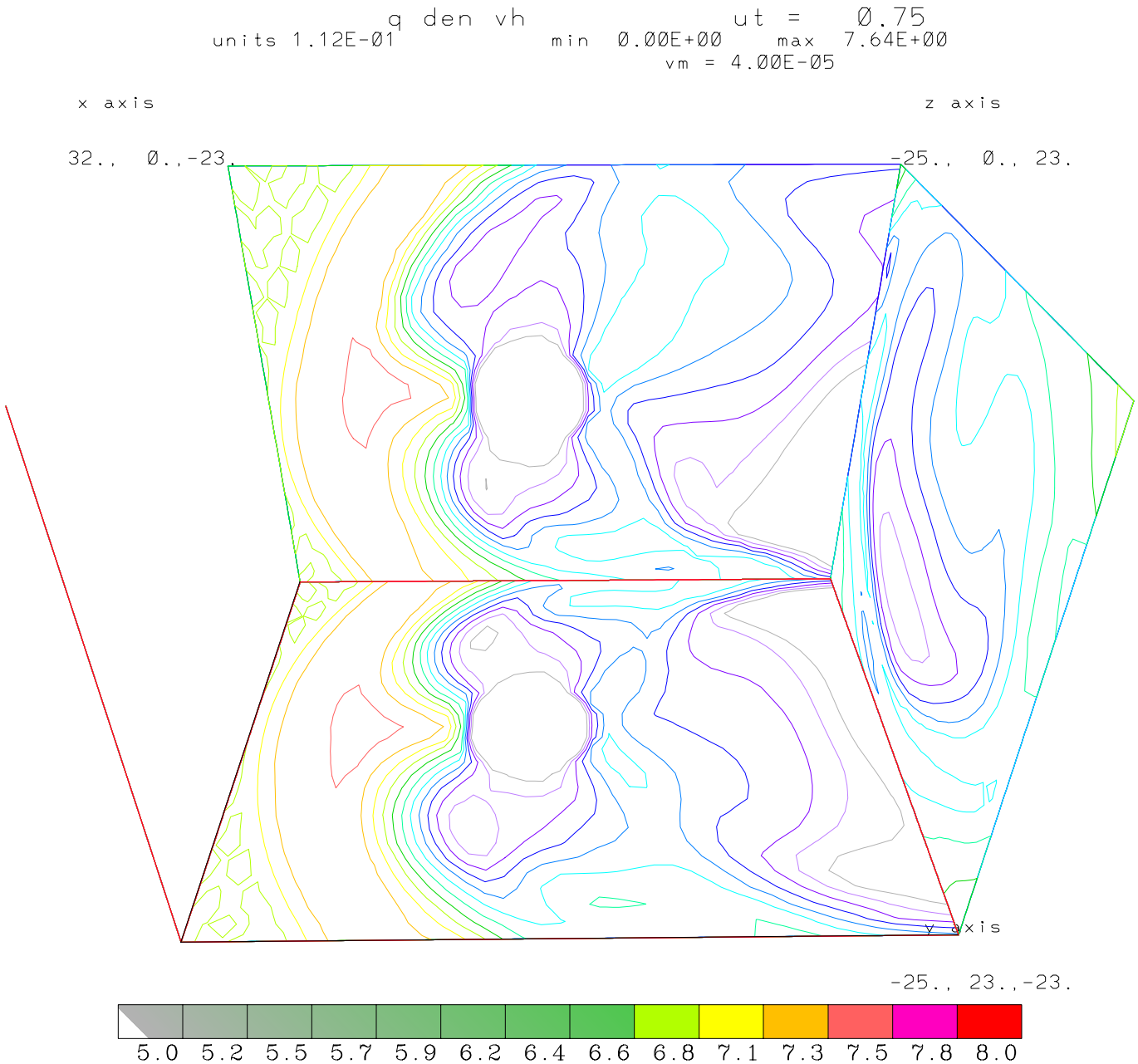
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z axis
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-25., 0., 23.
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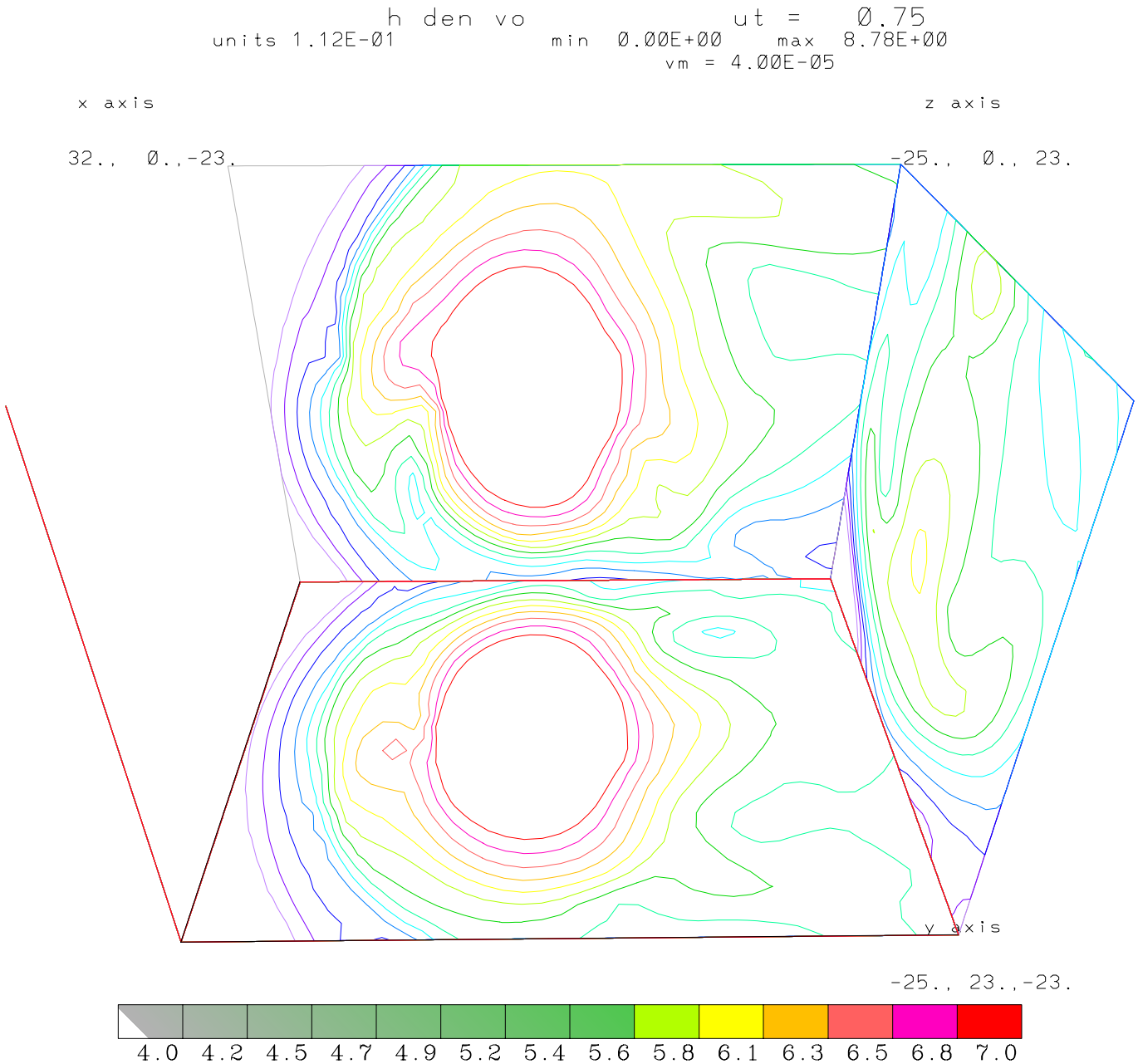
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-25., 0., 23.
y axis
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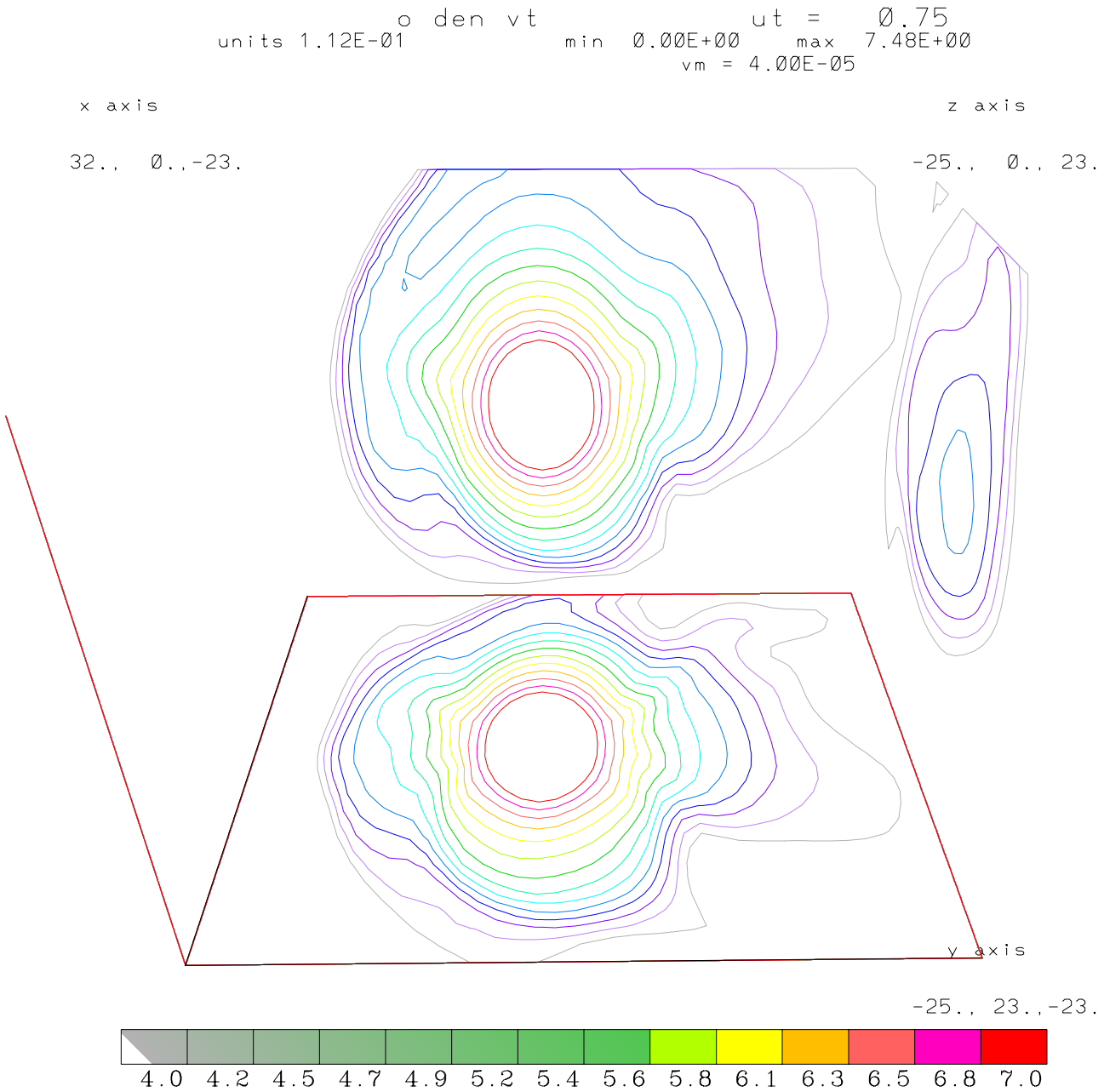
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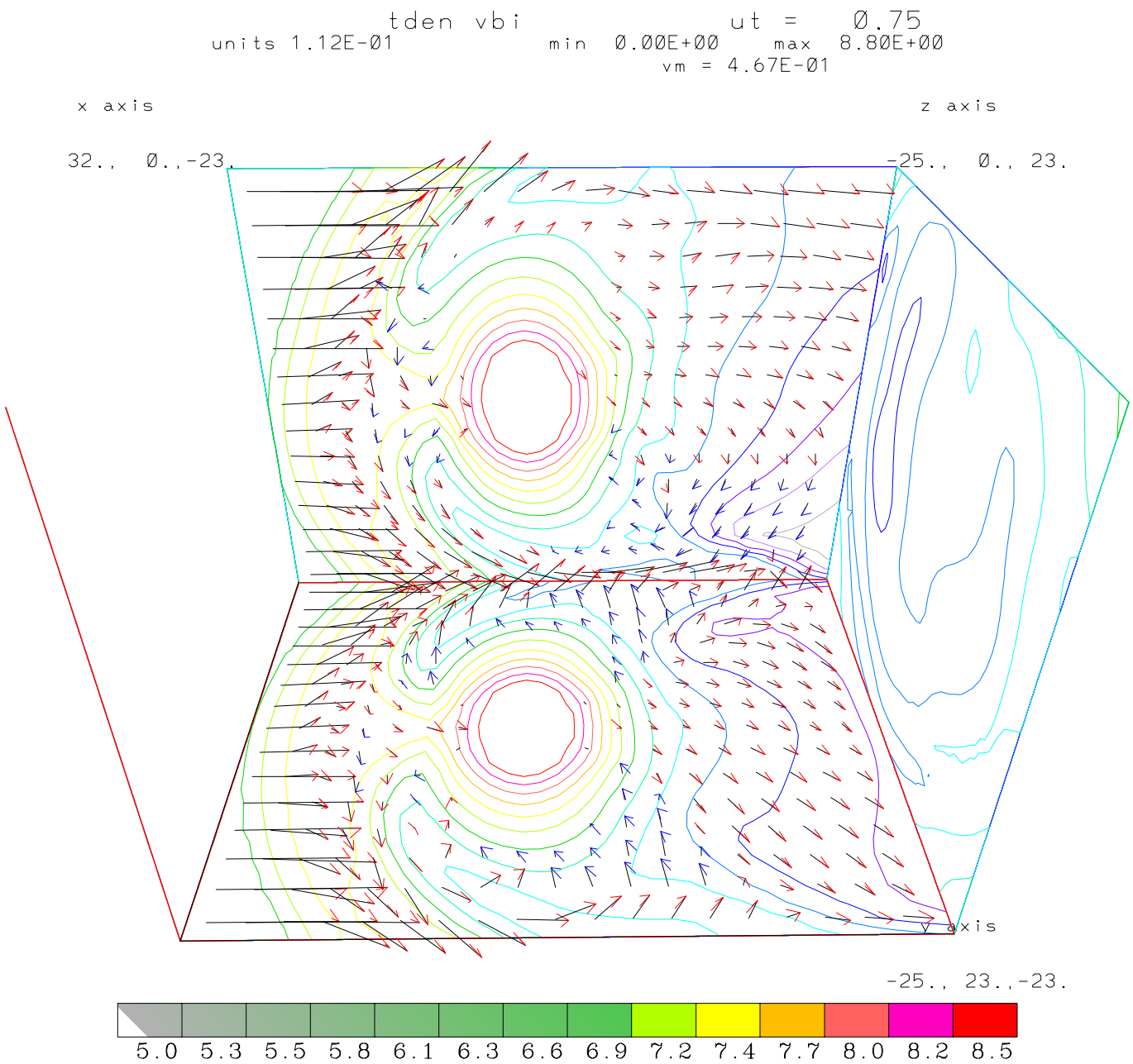
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-25., 0., 23.
y axis
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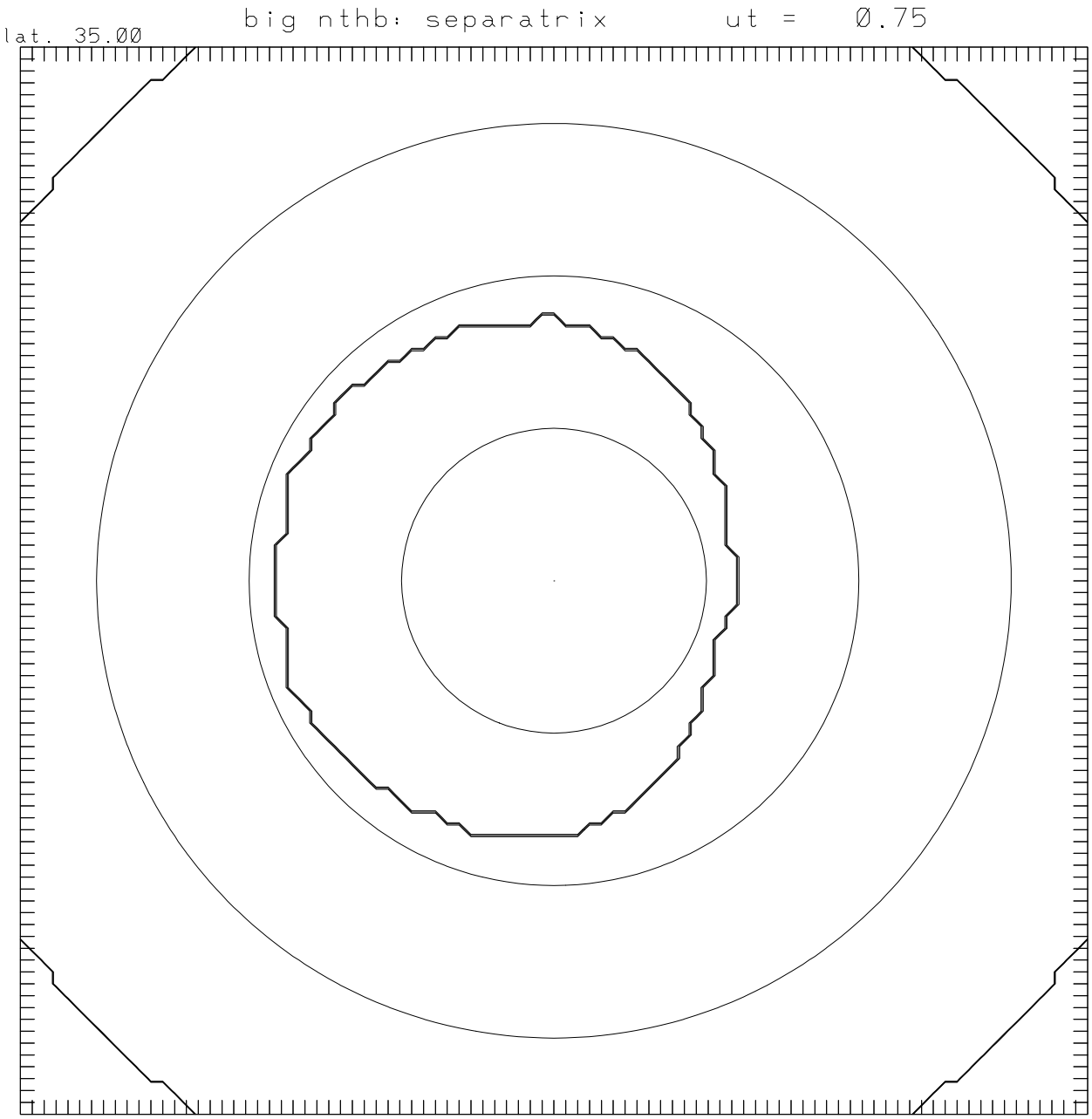
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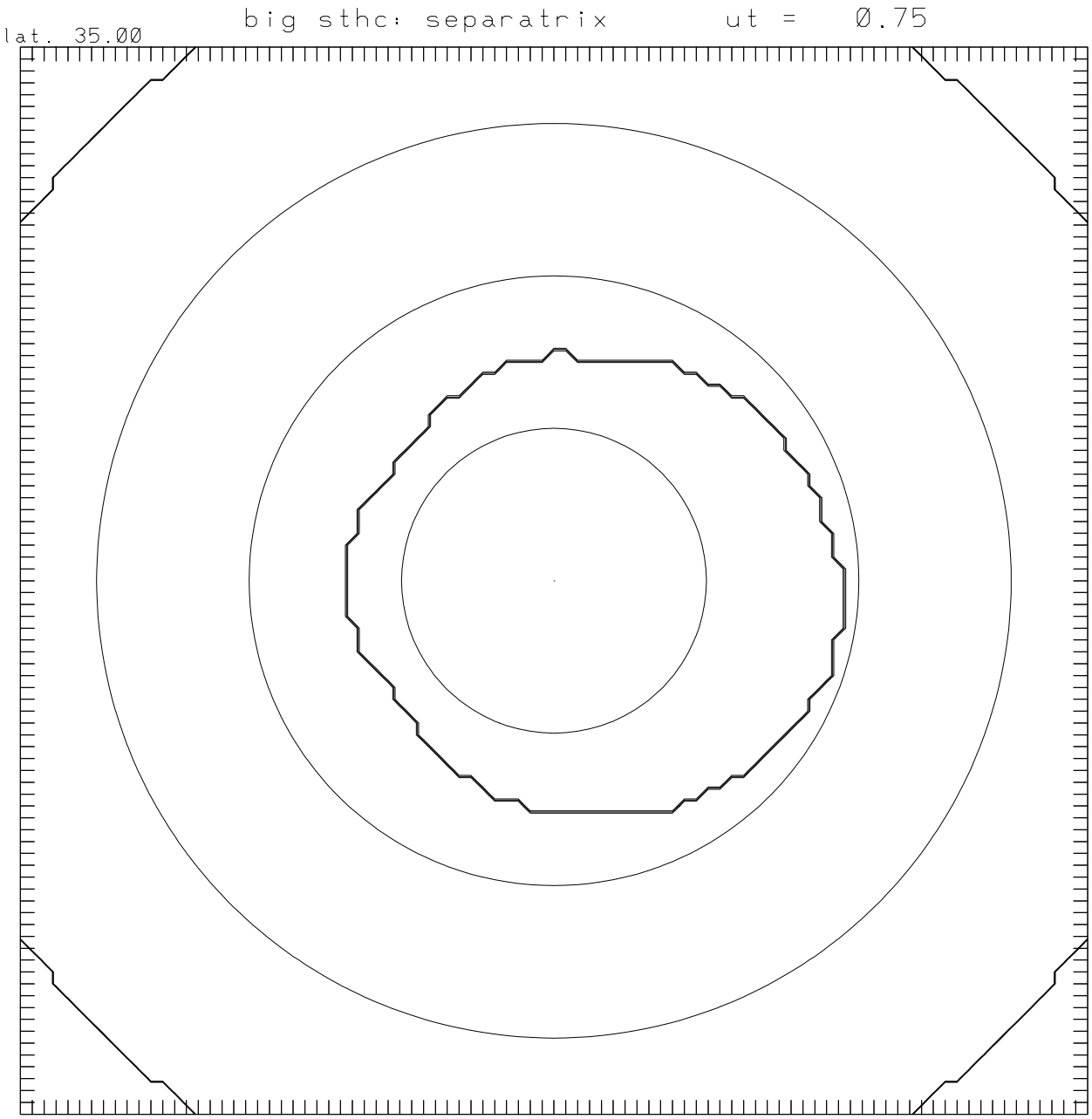
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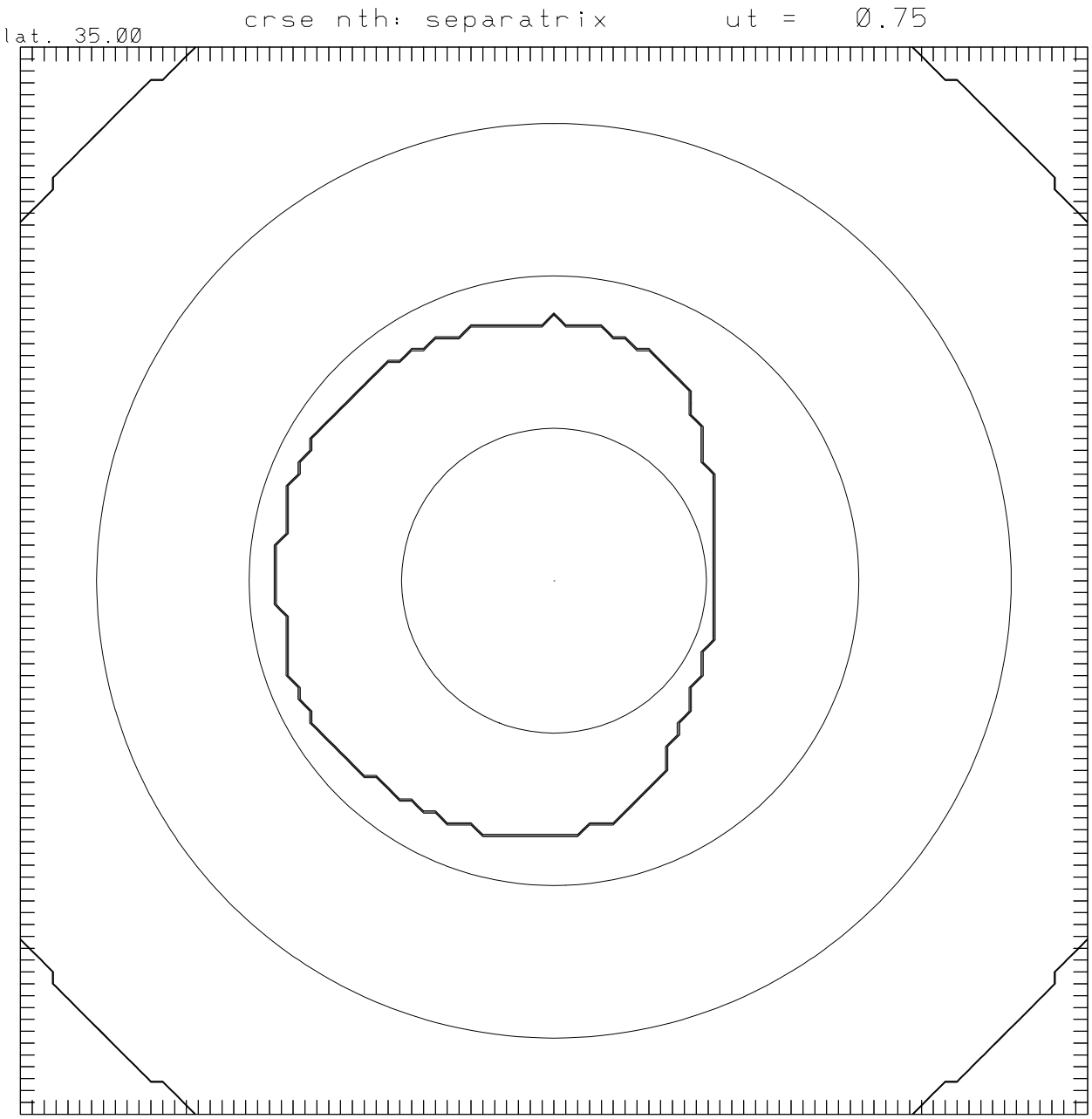
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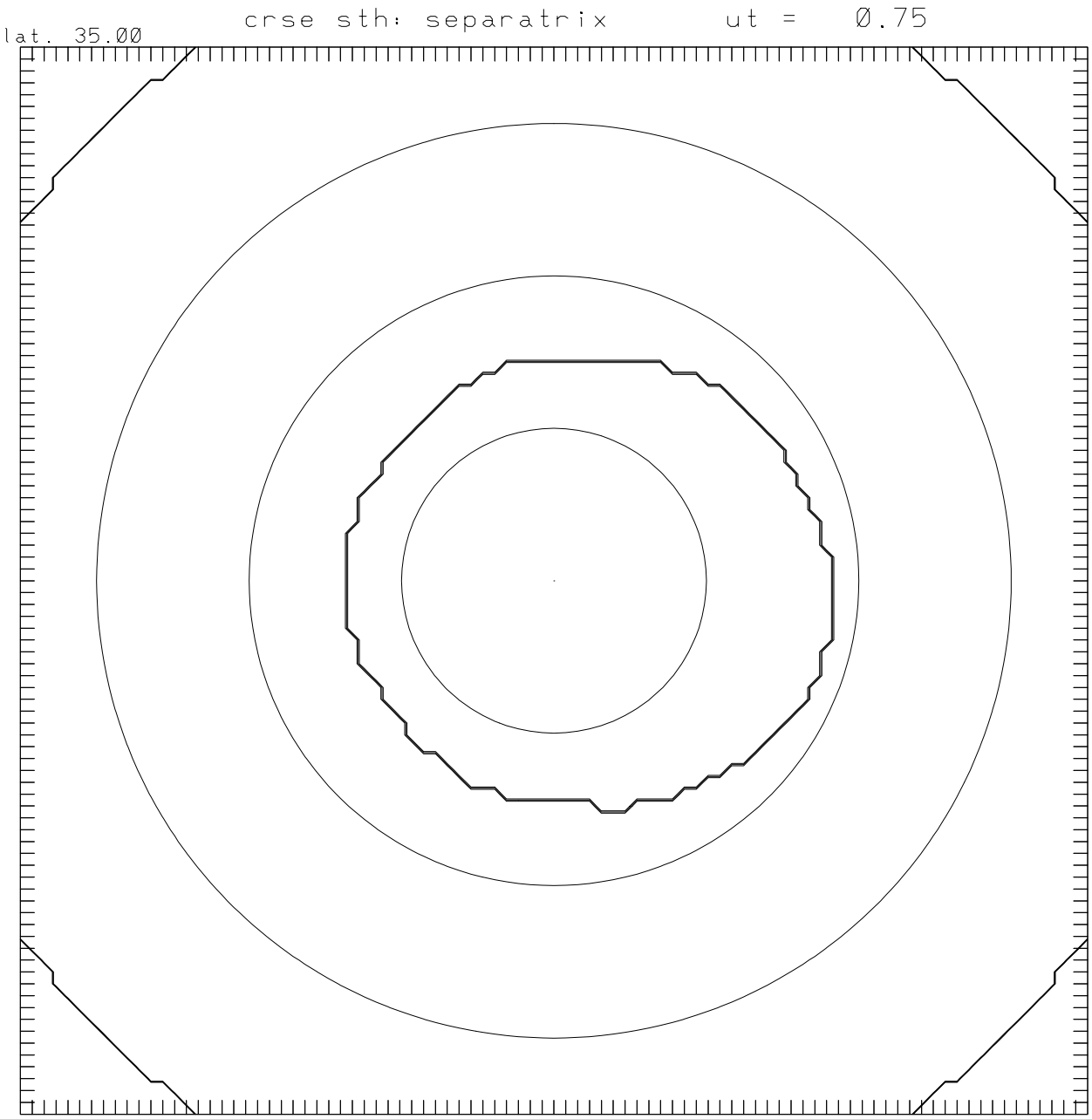
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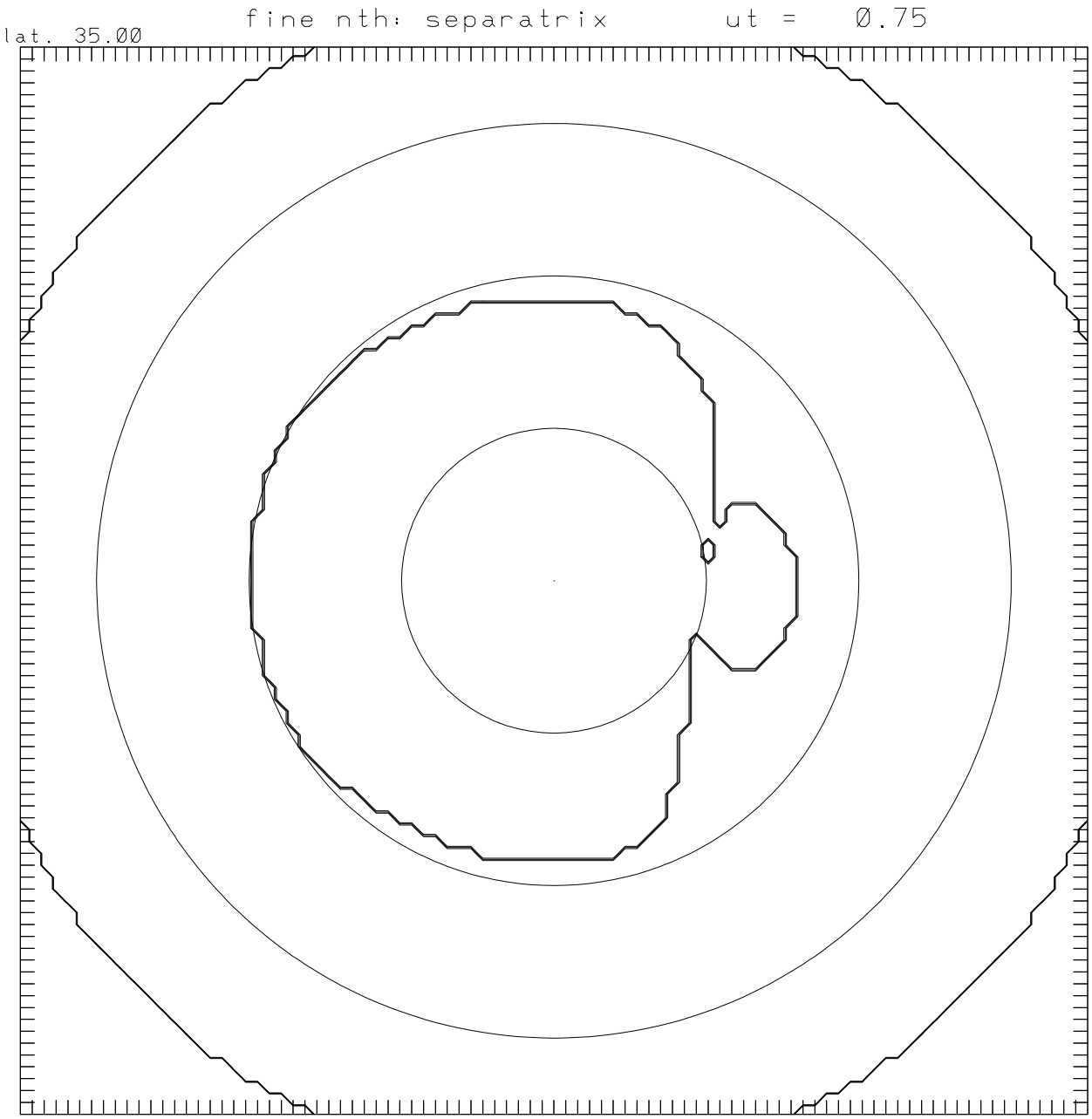
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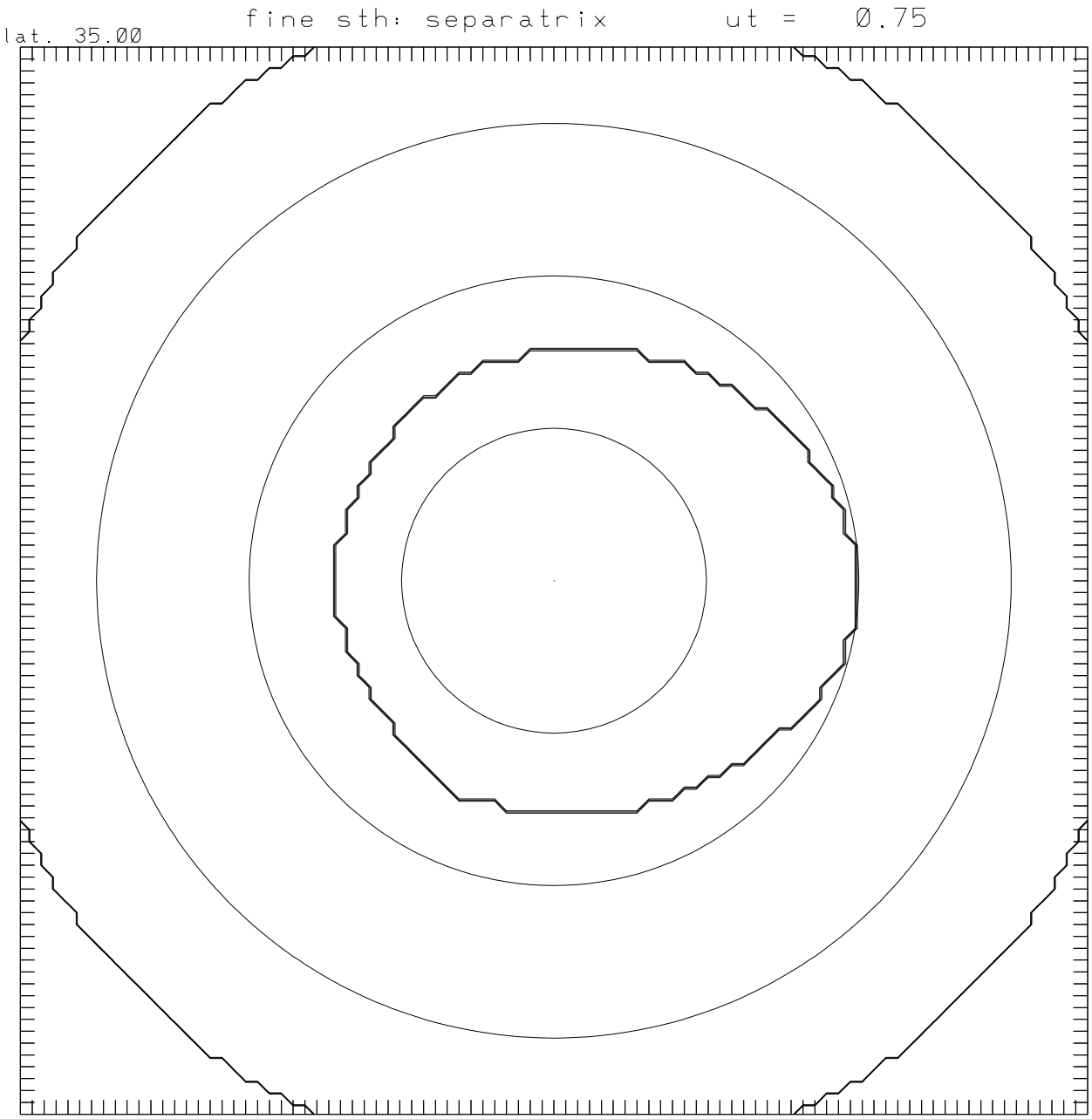
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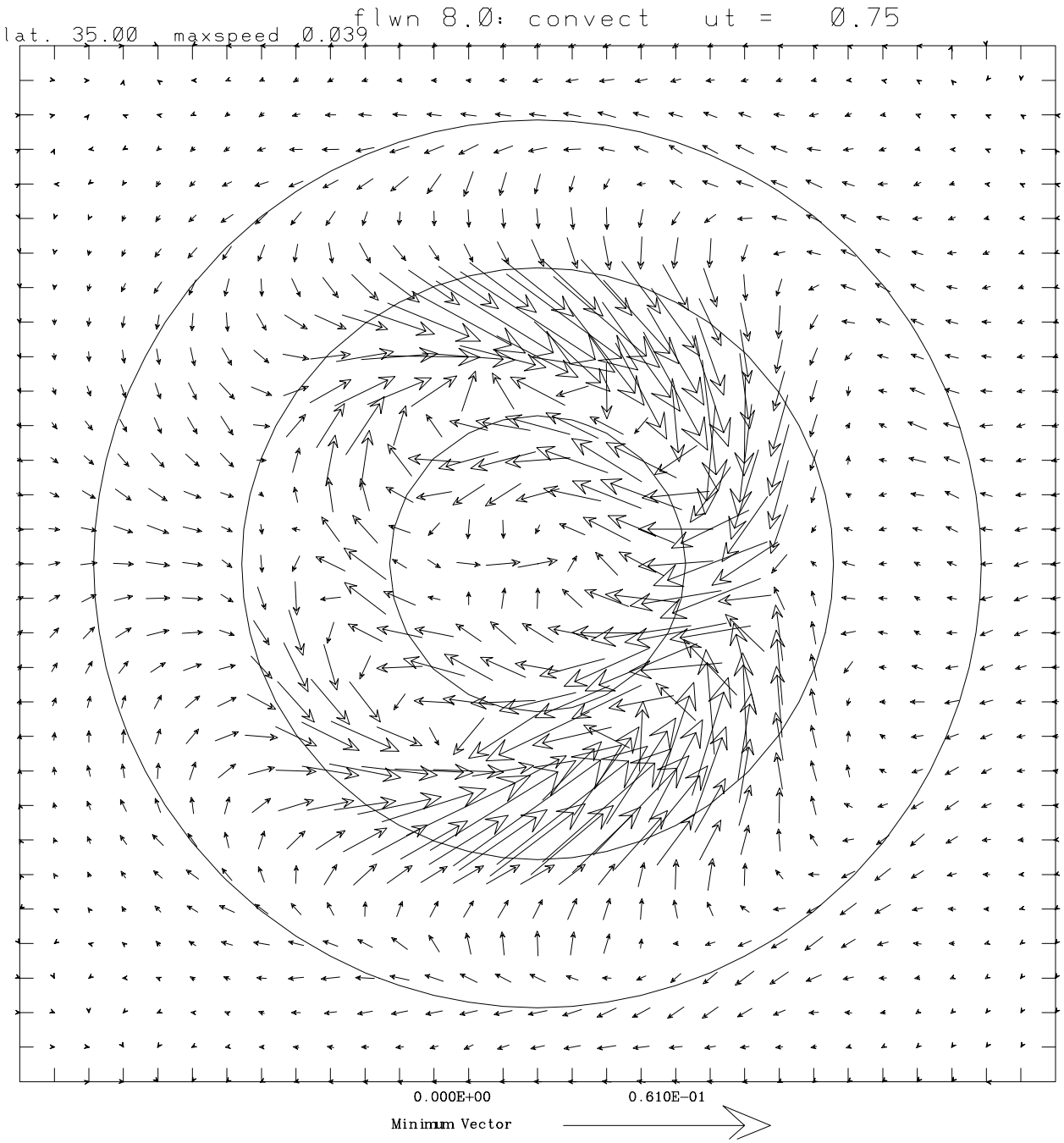
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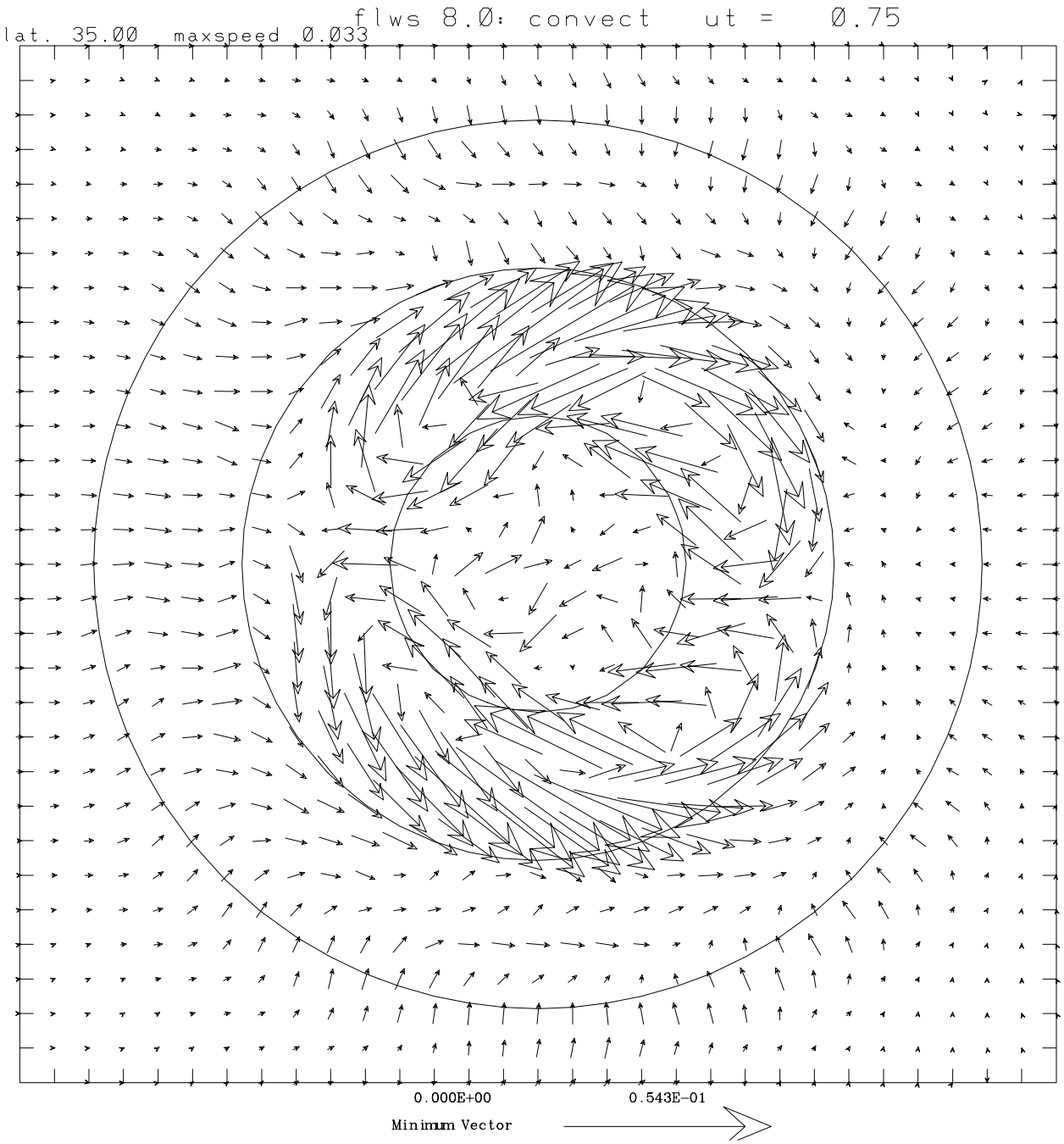
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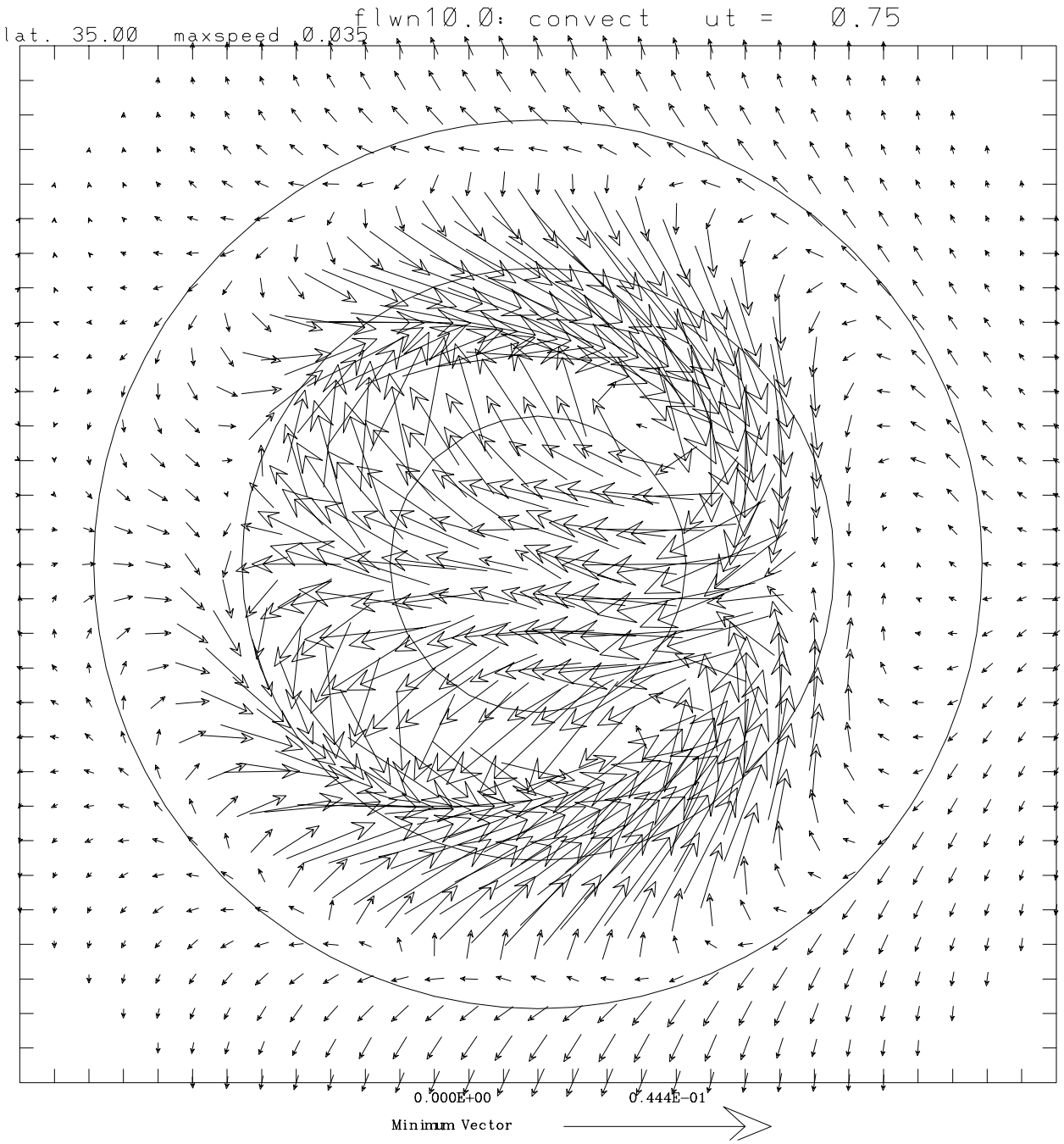
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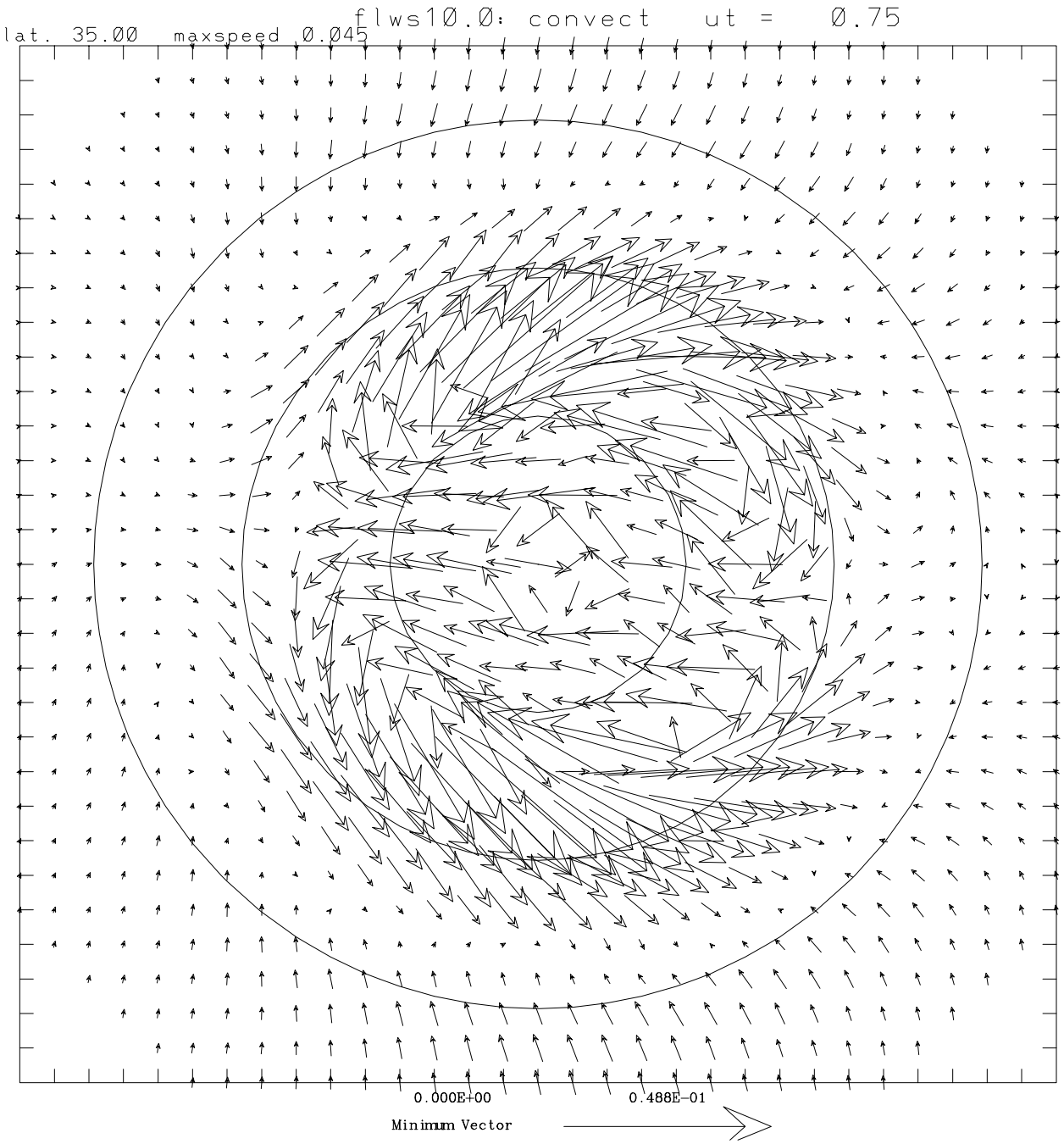
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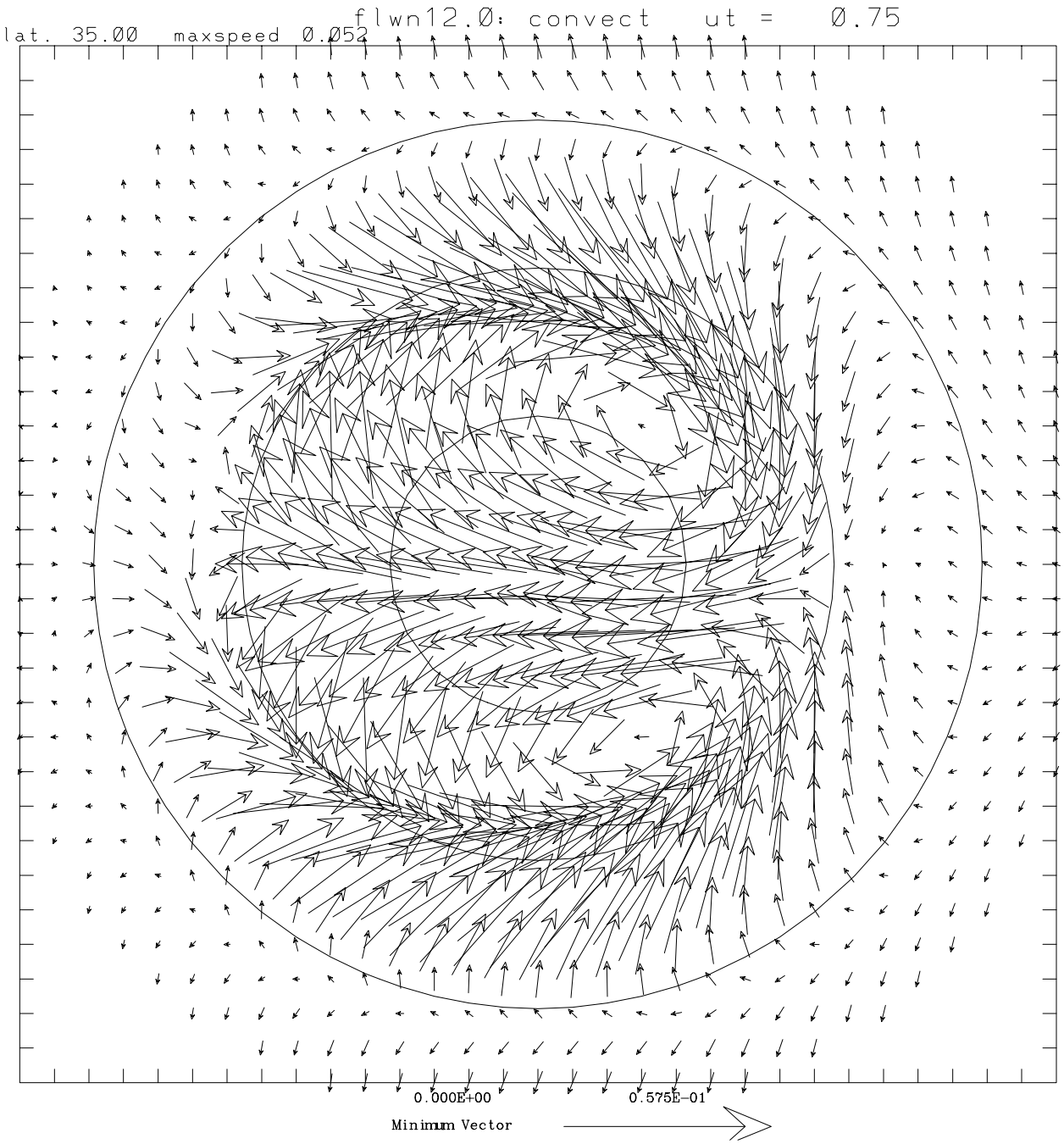
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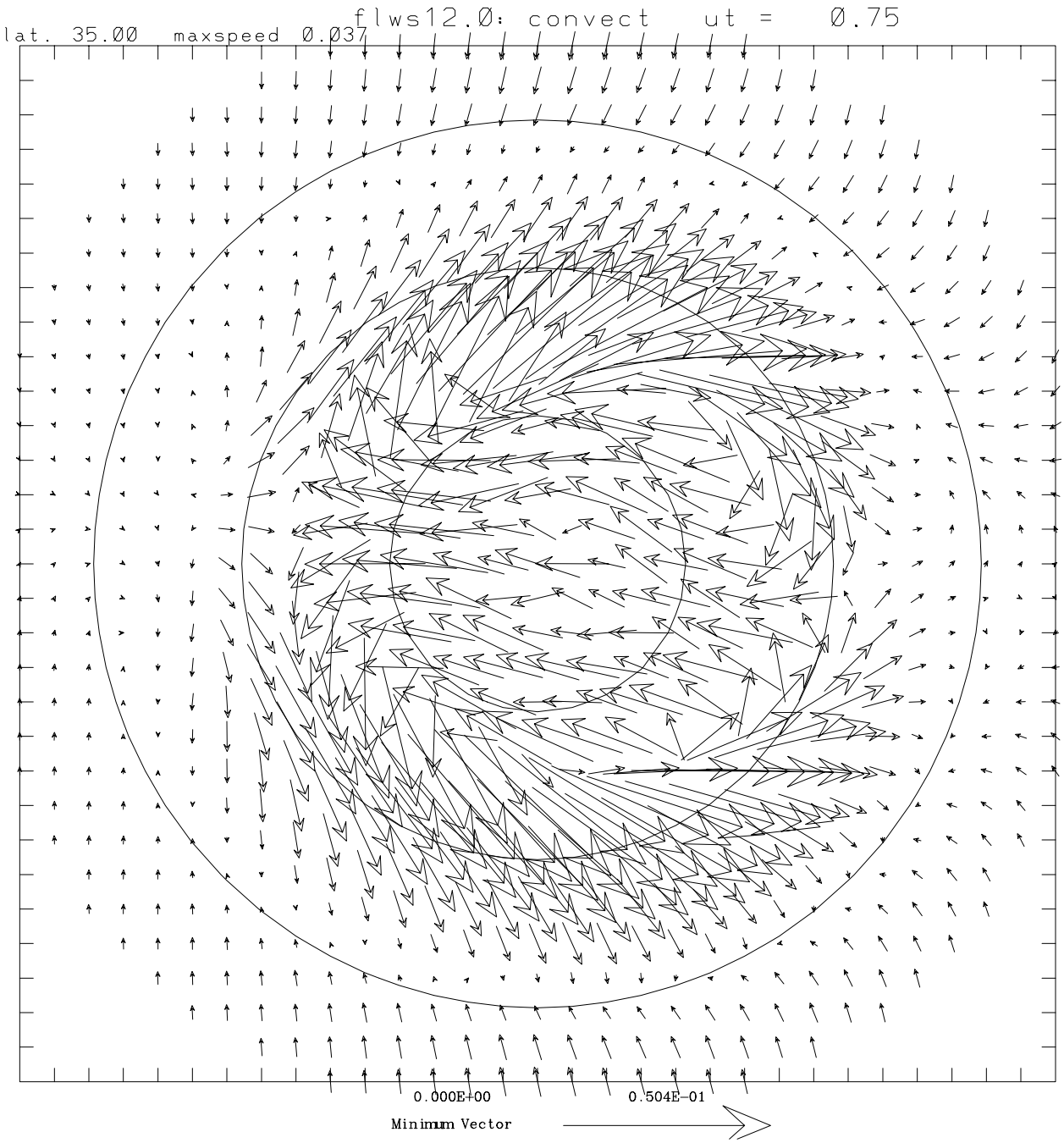
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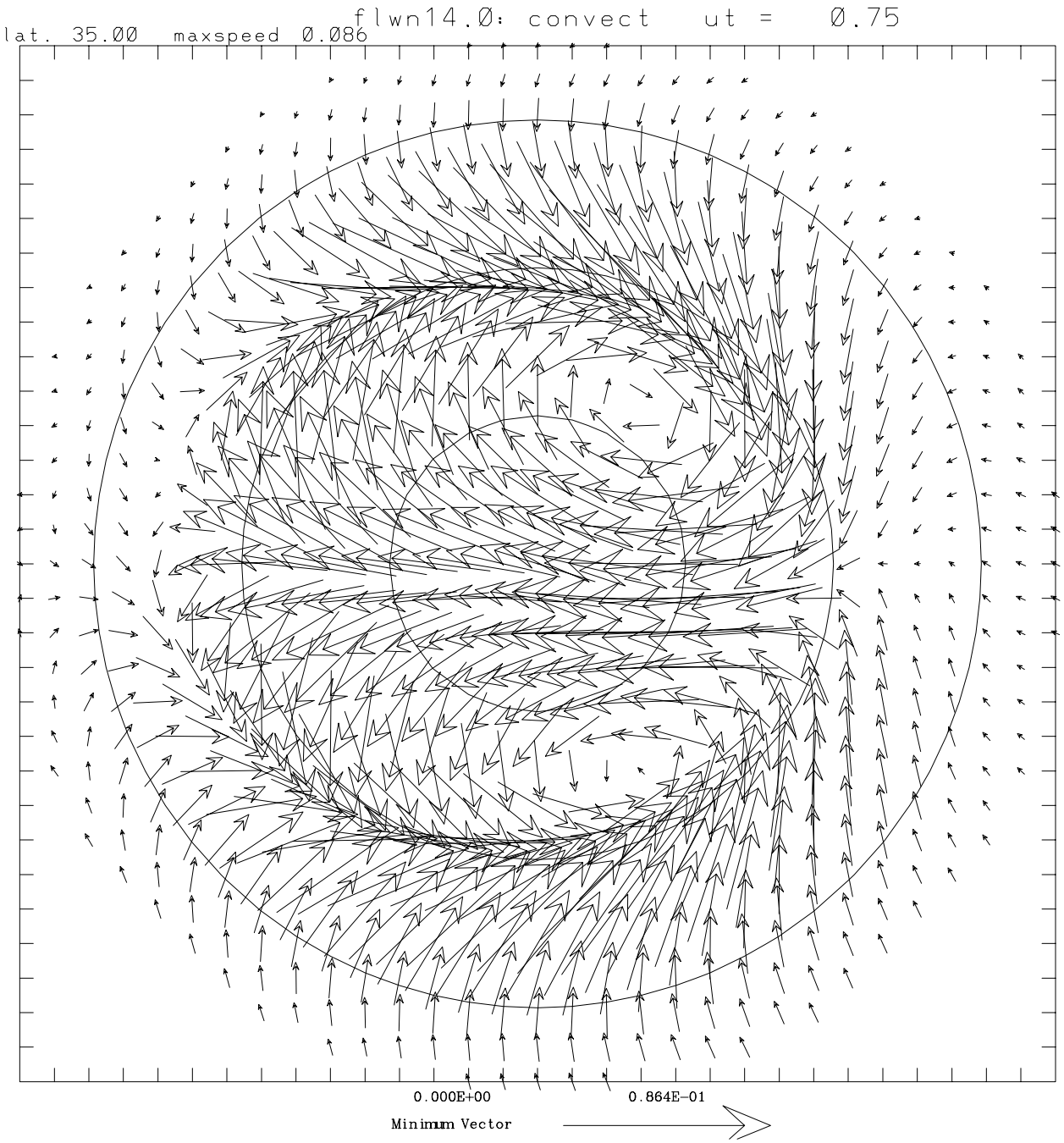
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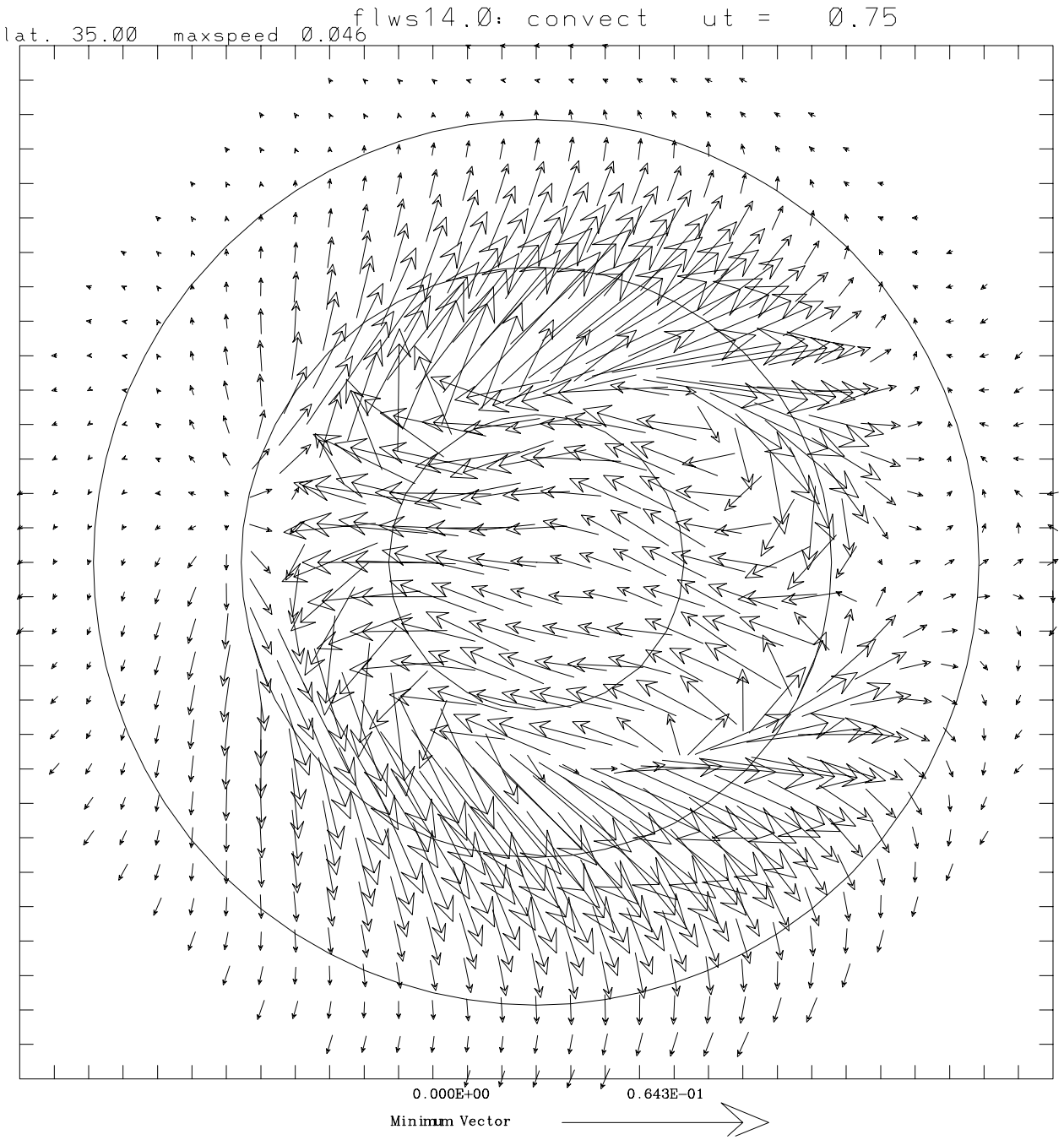
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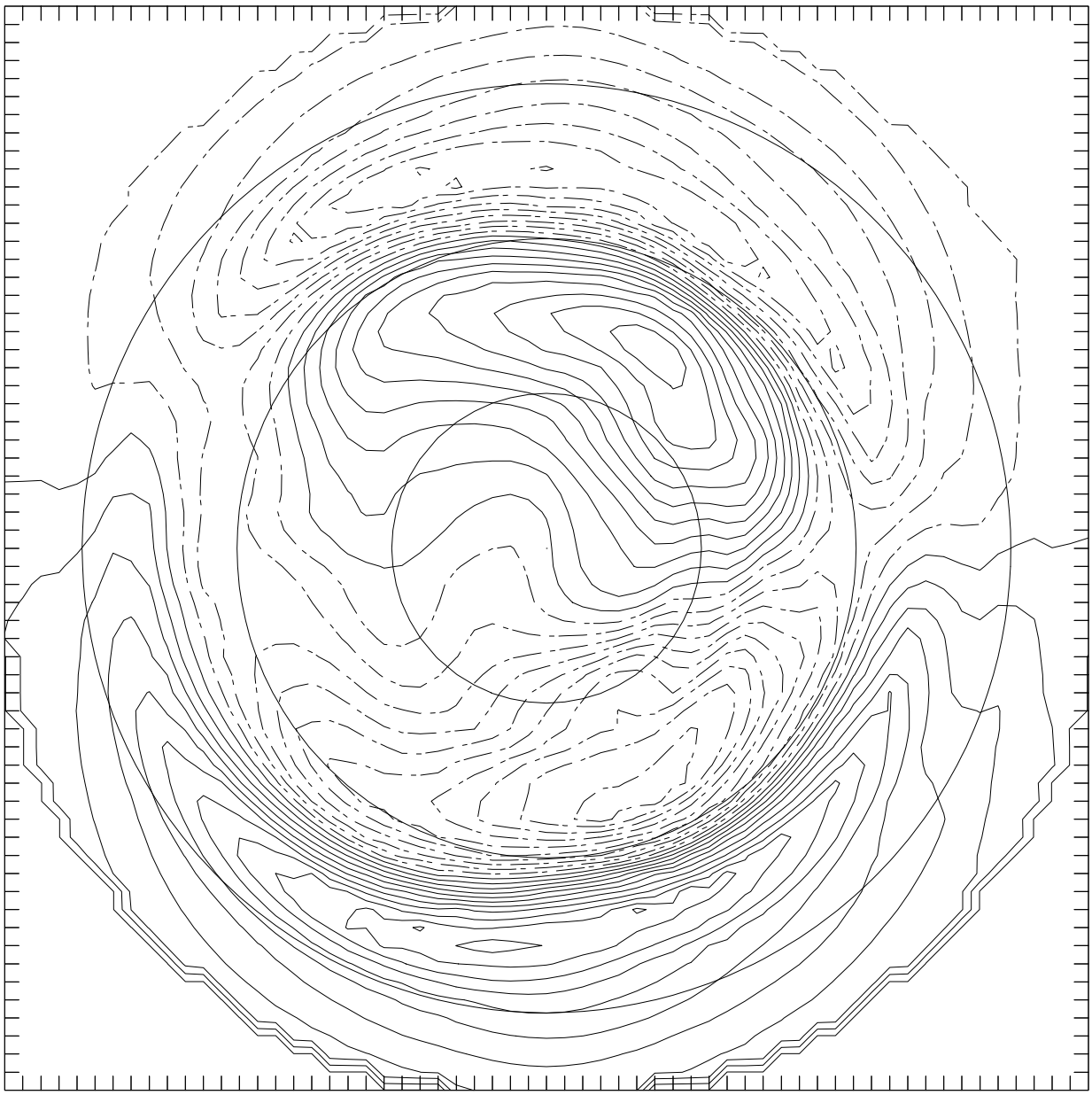
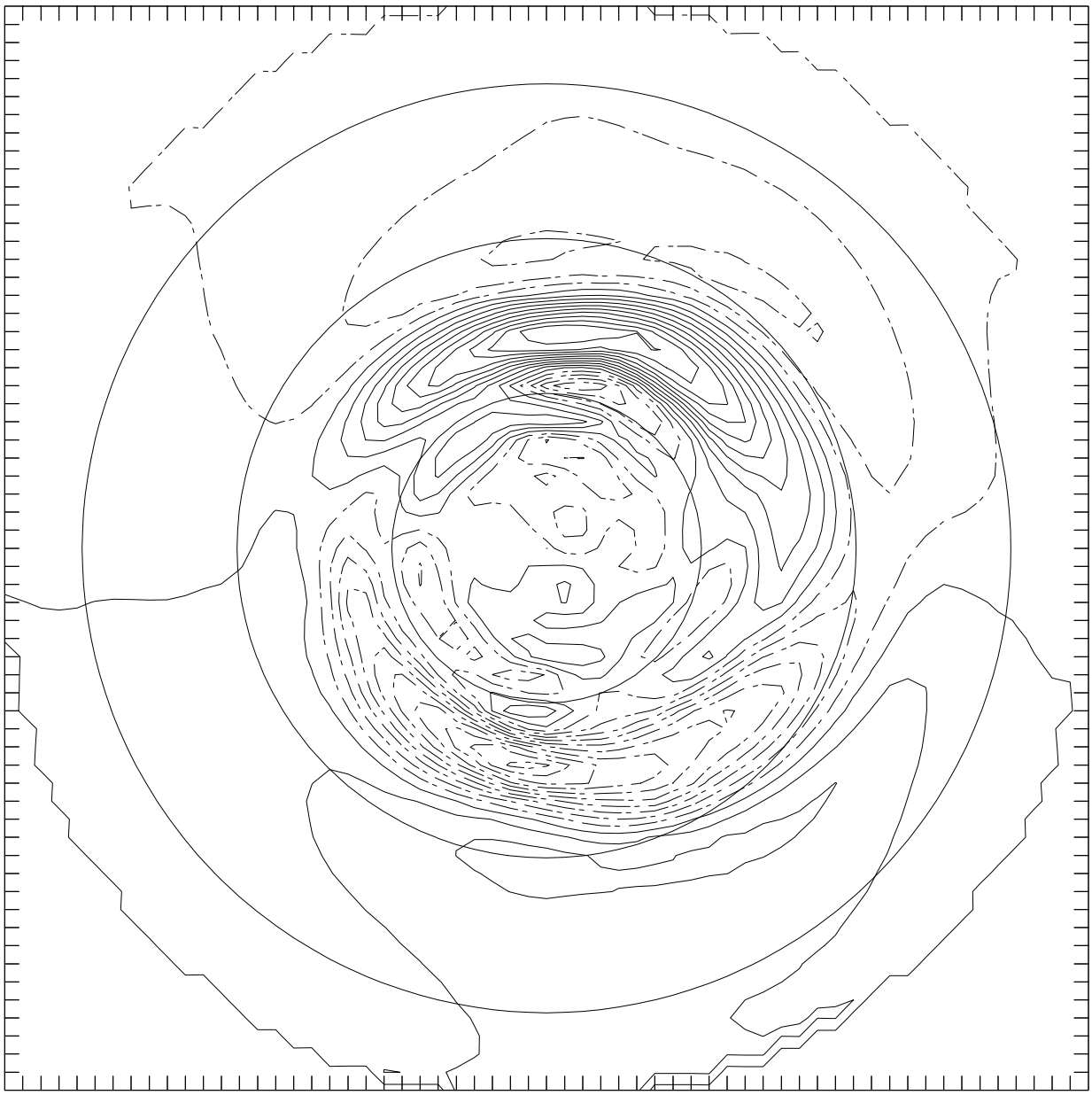
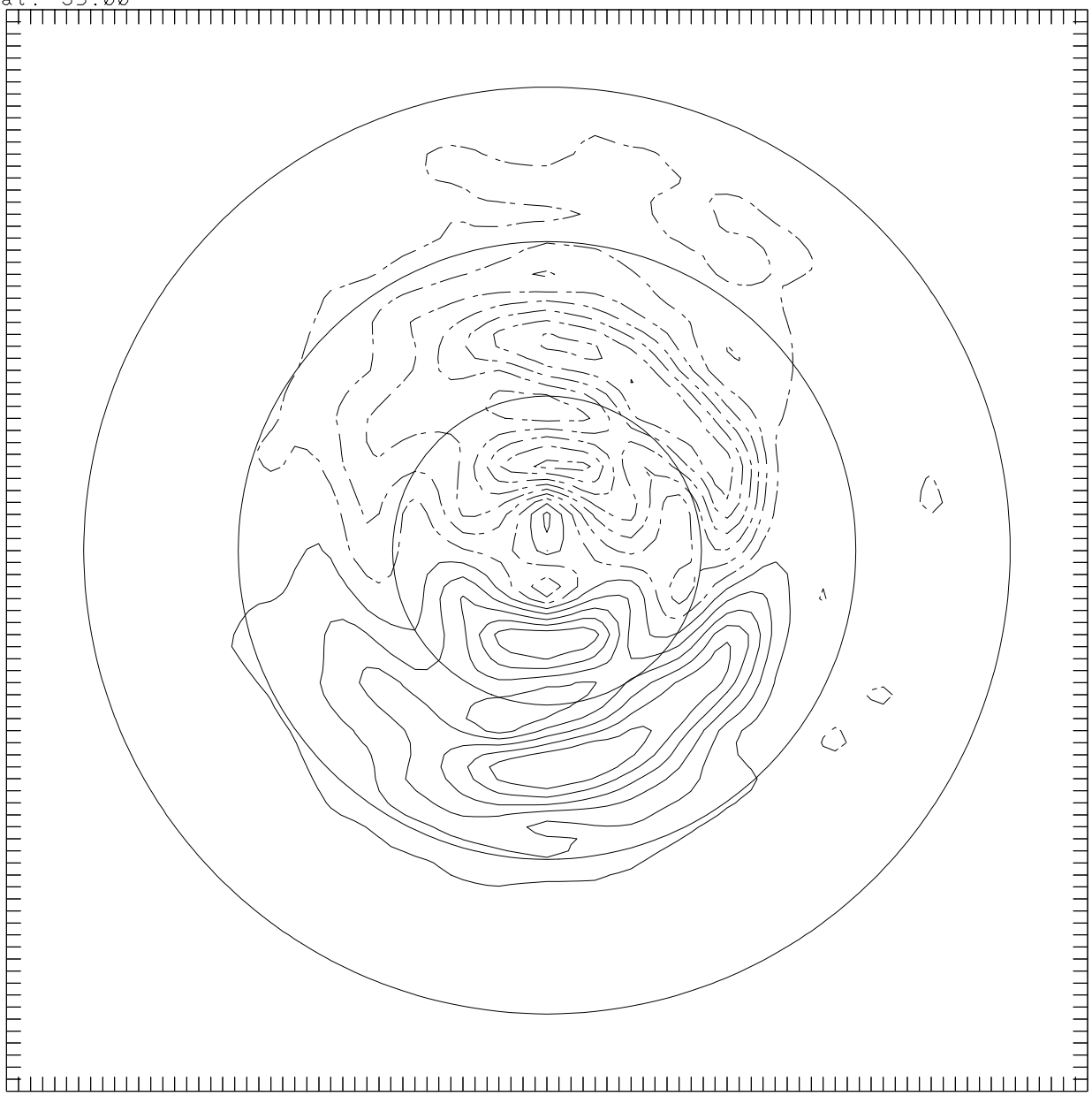


min -0.08 fmax 0.09 sth cap pot ut = 0.75



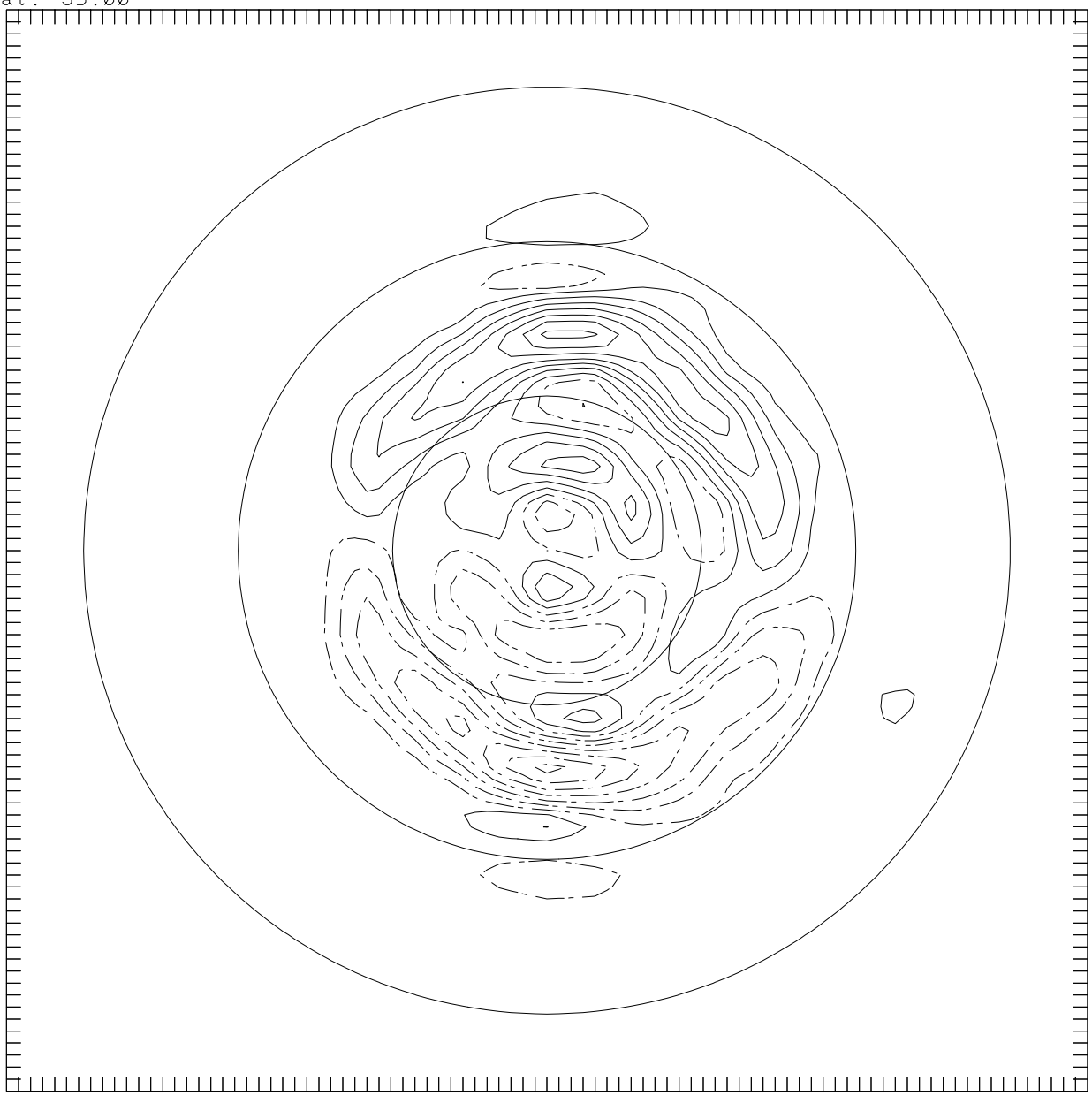
min-0.1748 fmax 0.1807
lat. 35.00

cur4 nth: aurora ut = 0.75



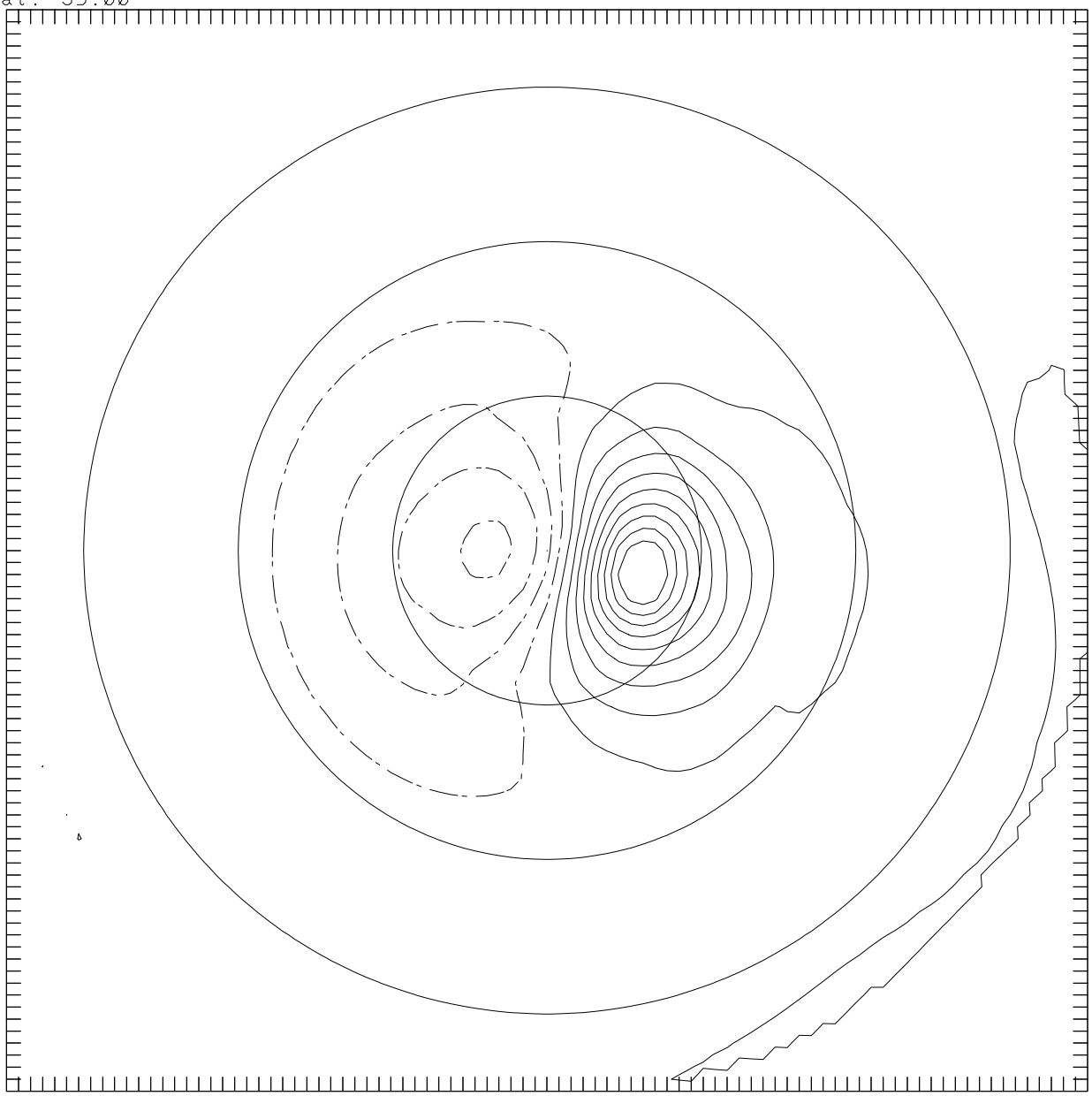
min-0.2327 fmax 0.2229
lat. 35.00

cur4 sth: aurora ut = 0.75



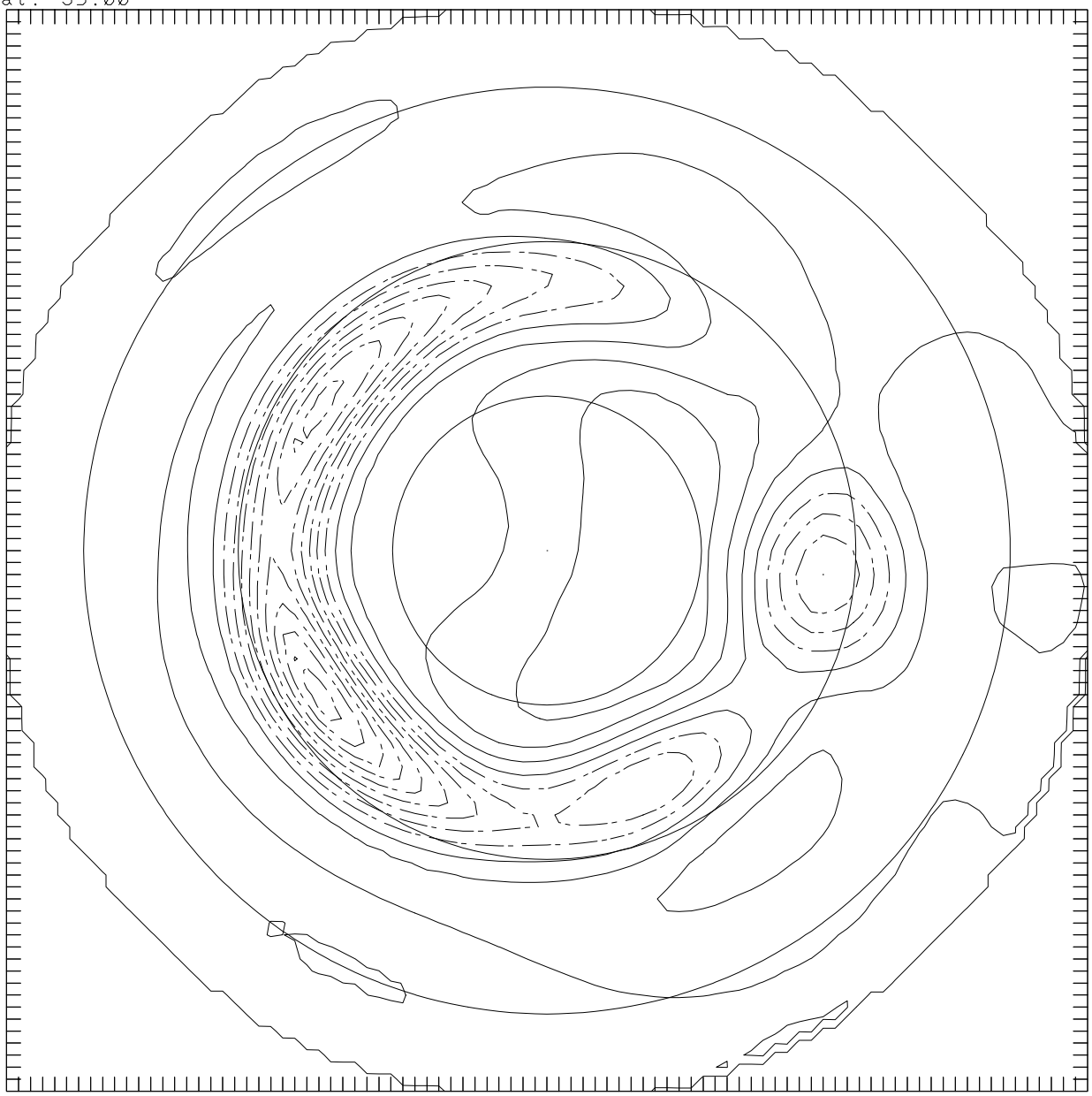
min-0.4655 fmax 1.0592
lat. 35.00

qfluxnth: aurora ut = 0.75



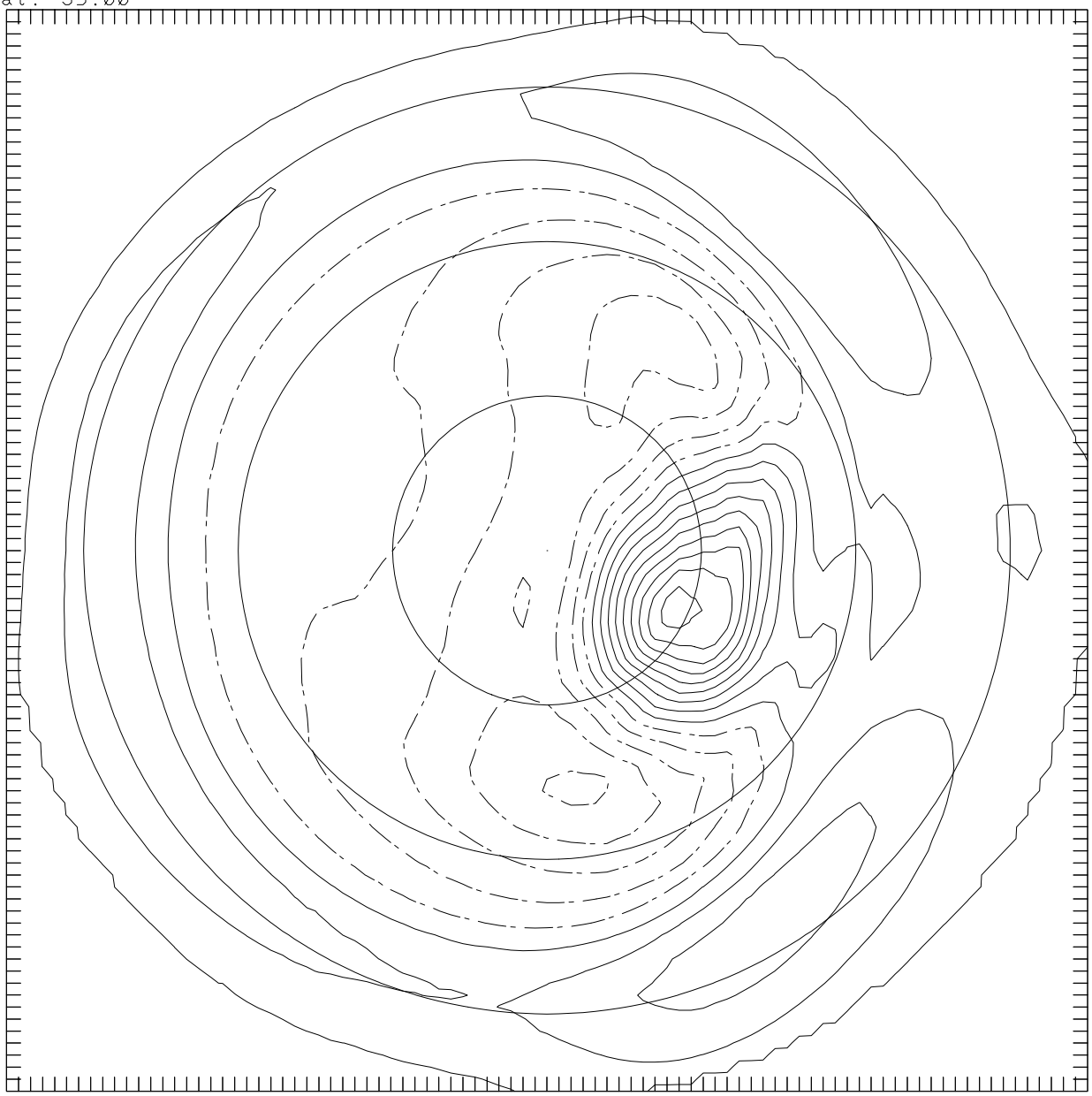
min-0.0356 fmax 0.0178
lat. 35.00

qfluxsth: aurora ut = 0.75



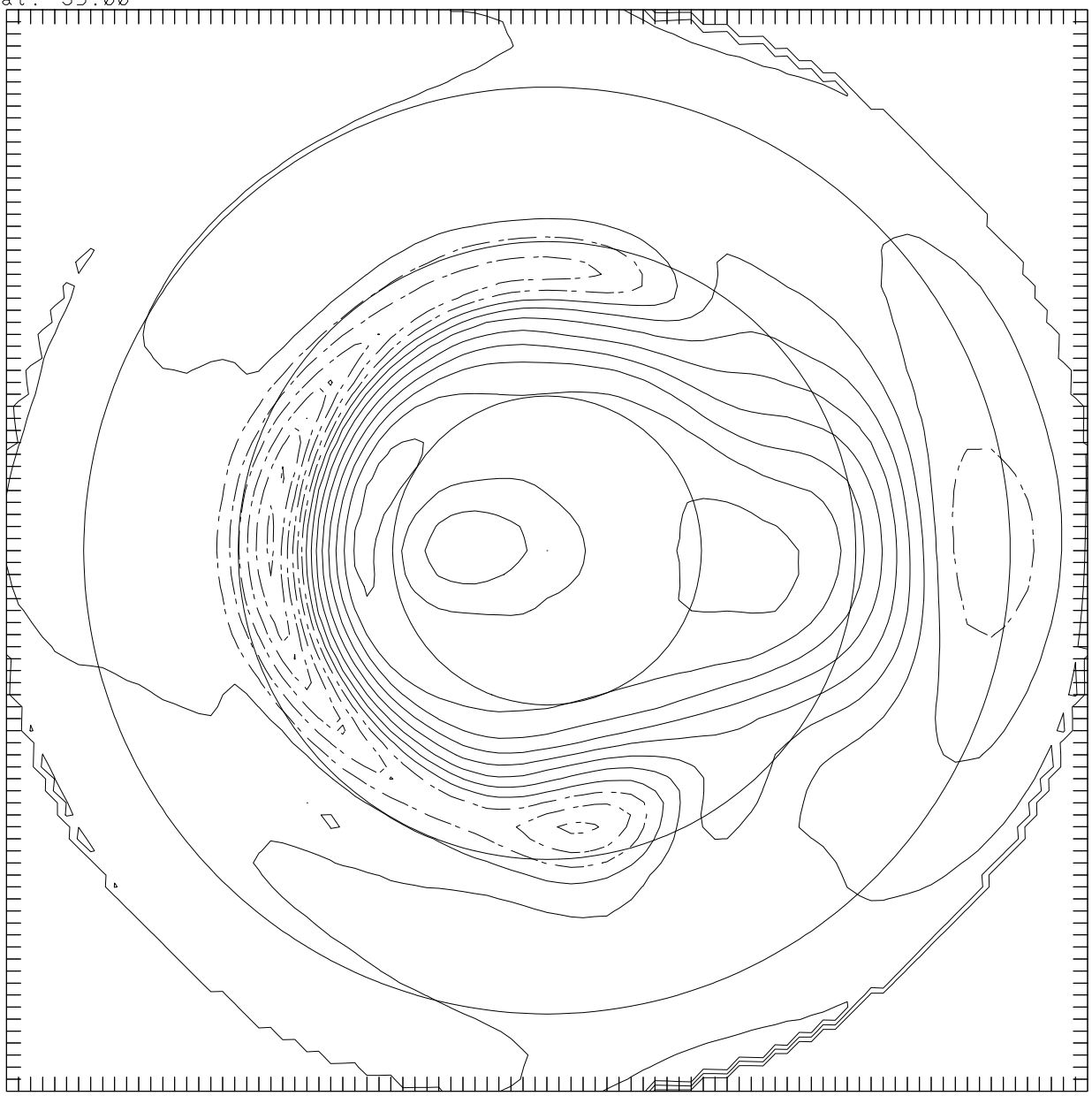
min-0.0477 fmax 0.1000
lat. 35.00

hfluxnth: aurora ut = 0.75



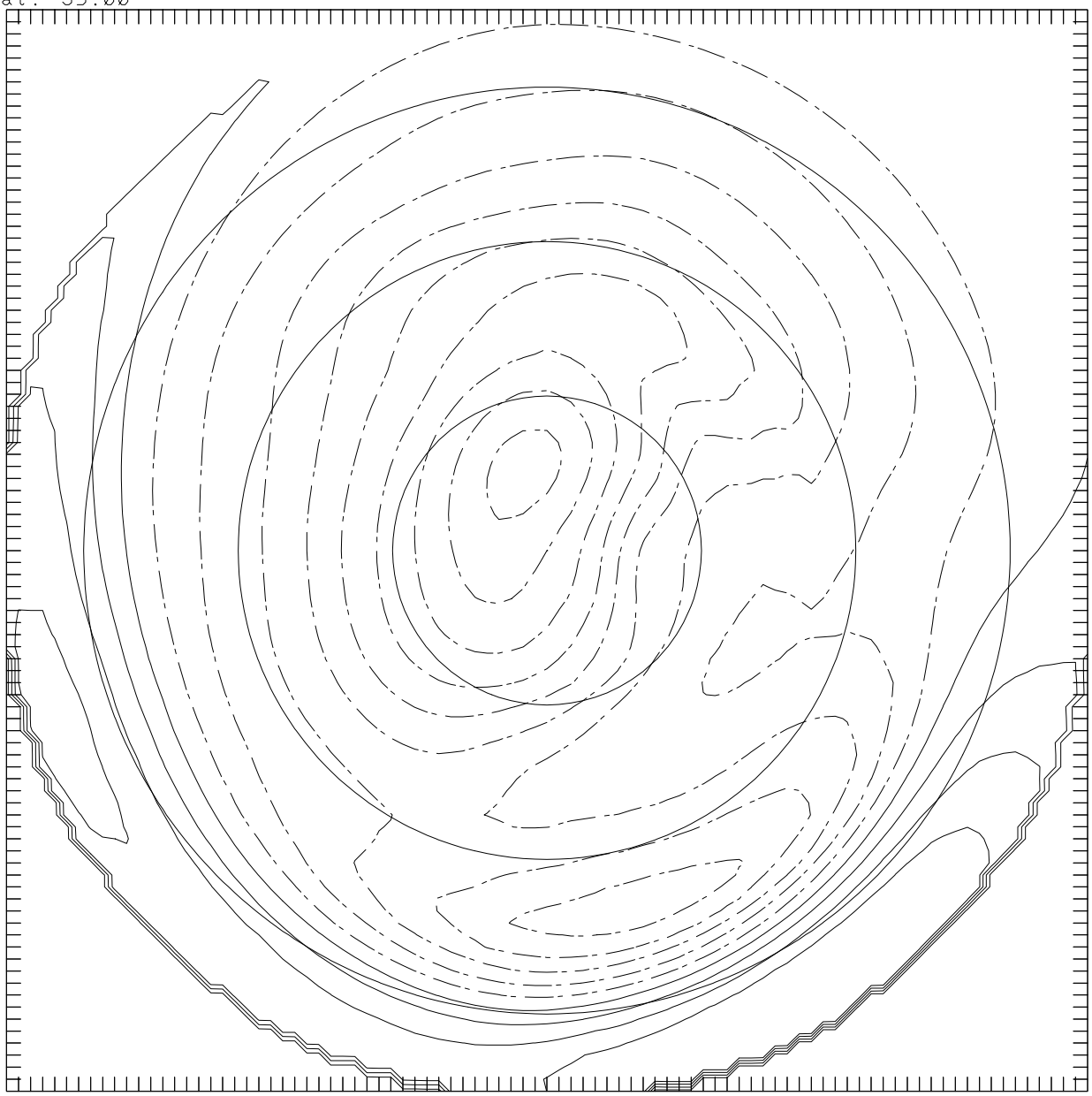
min-0.0248 fmax 0.0322
lat. 35.00

hfluxsth: aurora ut = 0.75



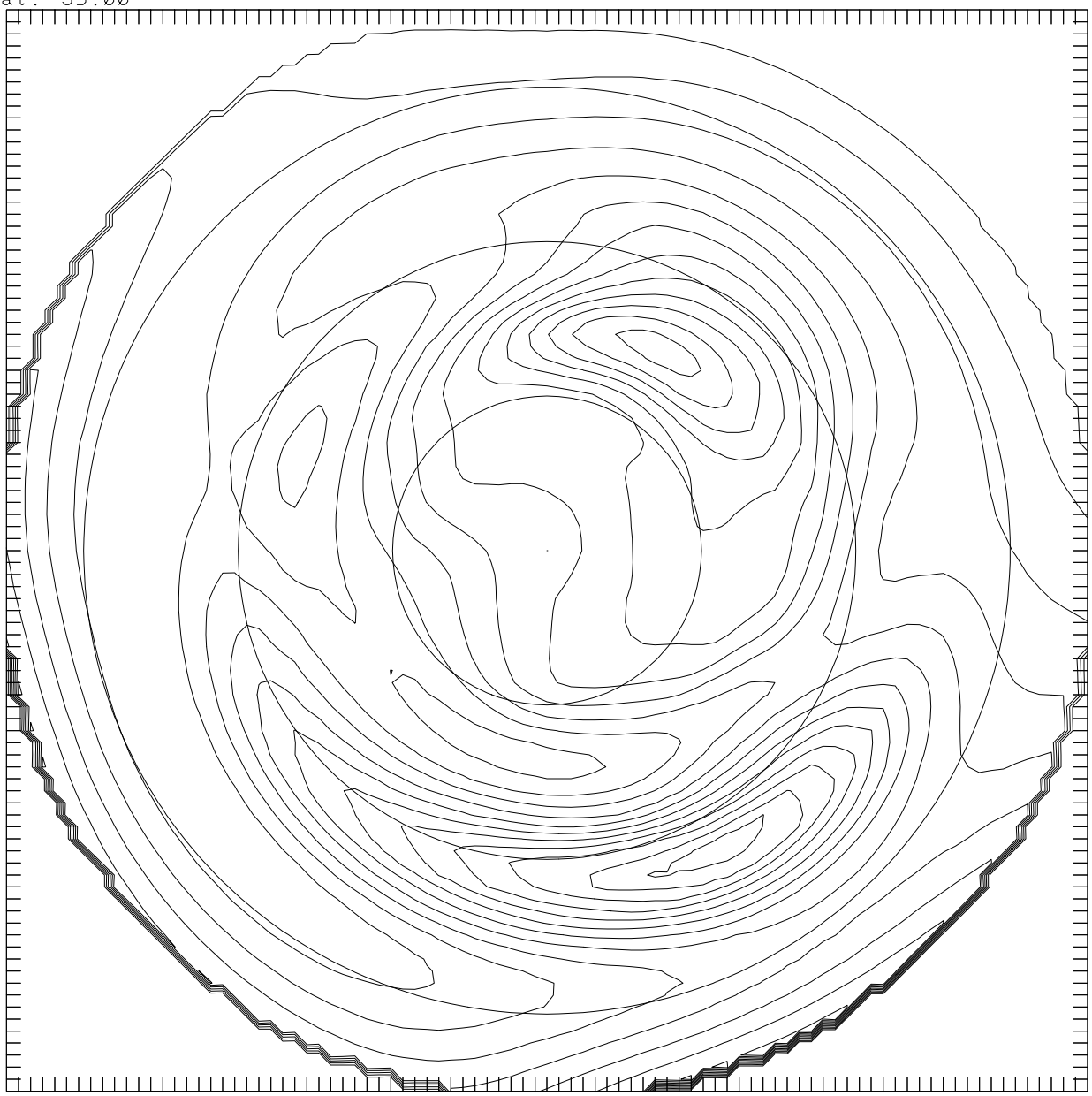
min-0.0528 fmax 0.0280
lat. 35.00

ofluxnth: aurora ut = 0.75



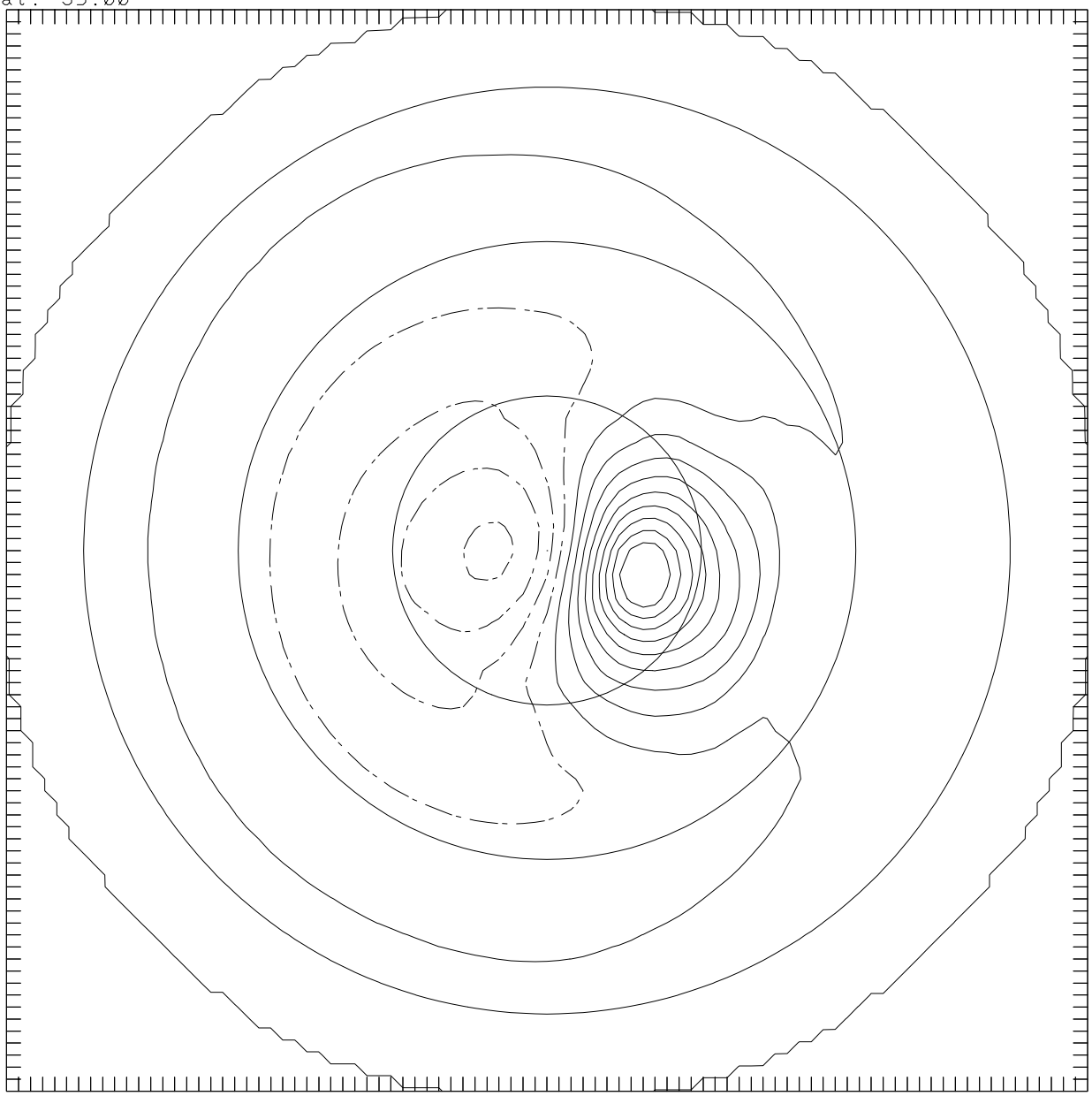
min 0.0000 fmax 0.0348
lat. 35.00

ofluxsth: aurora ut = 0.75



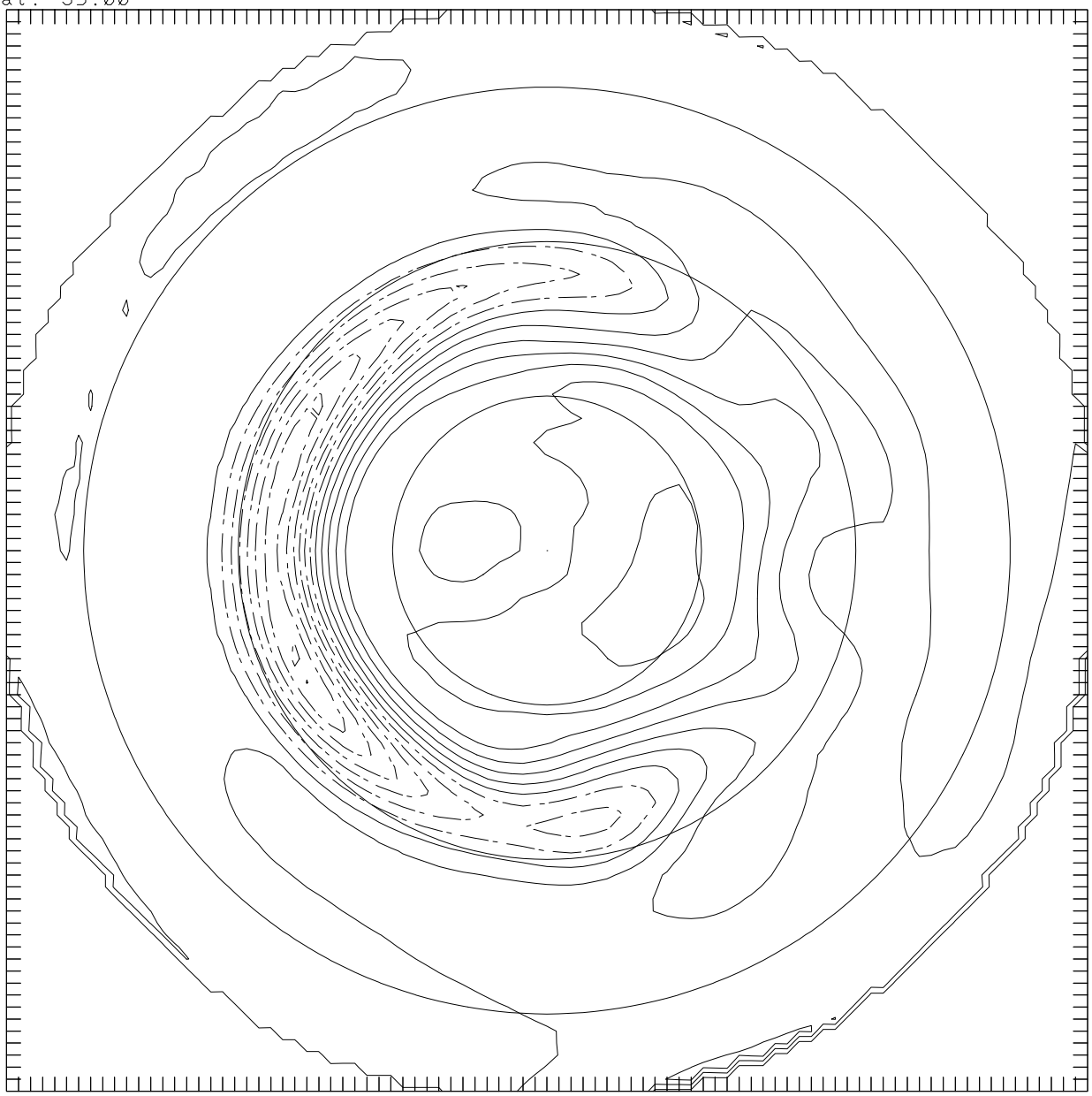
min-0.4935 fmax 1.1192
lat. 35.00

efluxnth: aurora ut = 0.75



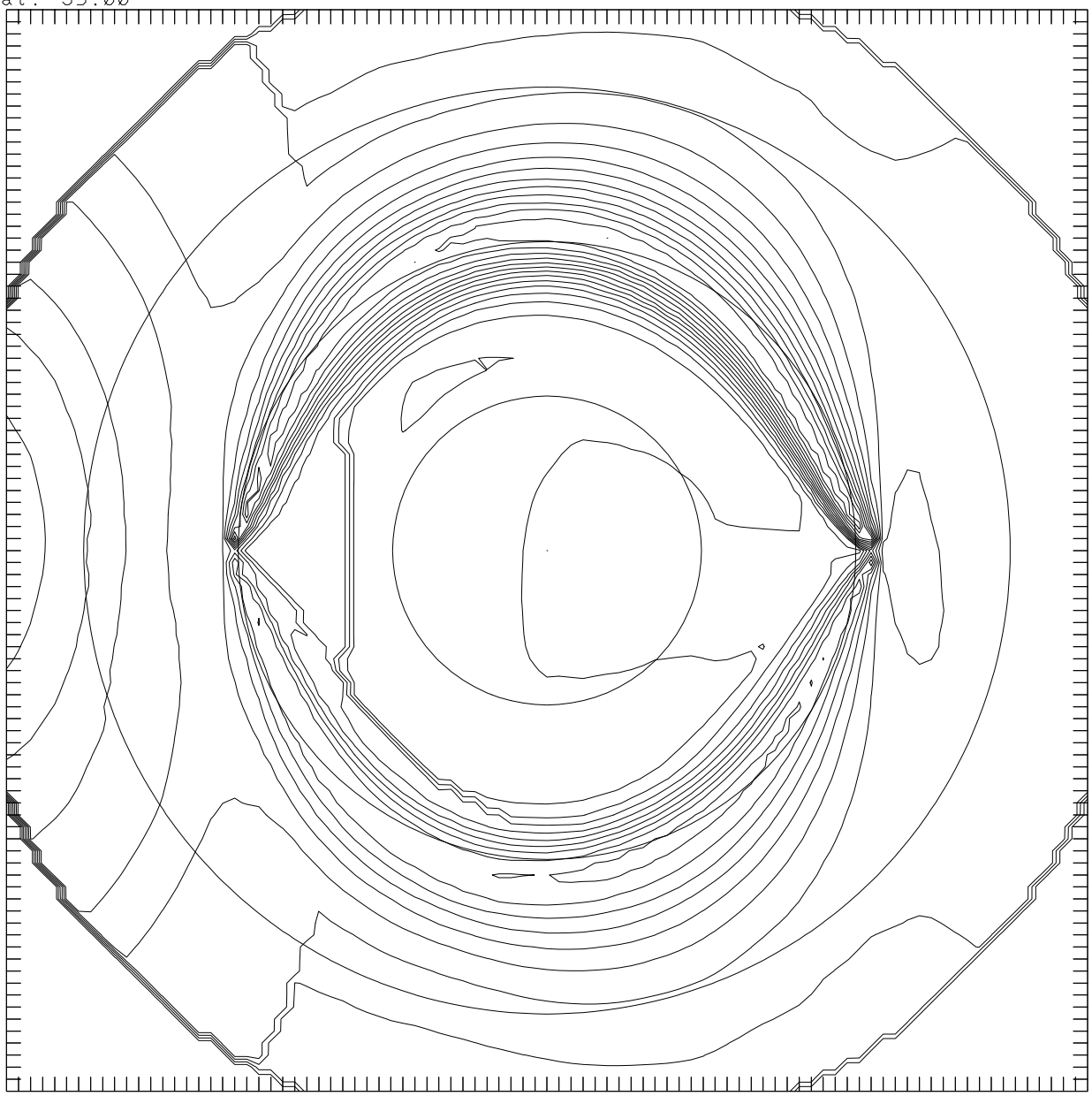
min-0.0524 fmax 0.0497
lat. 35.00

efluxsth: aurora ut = 0.75



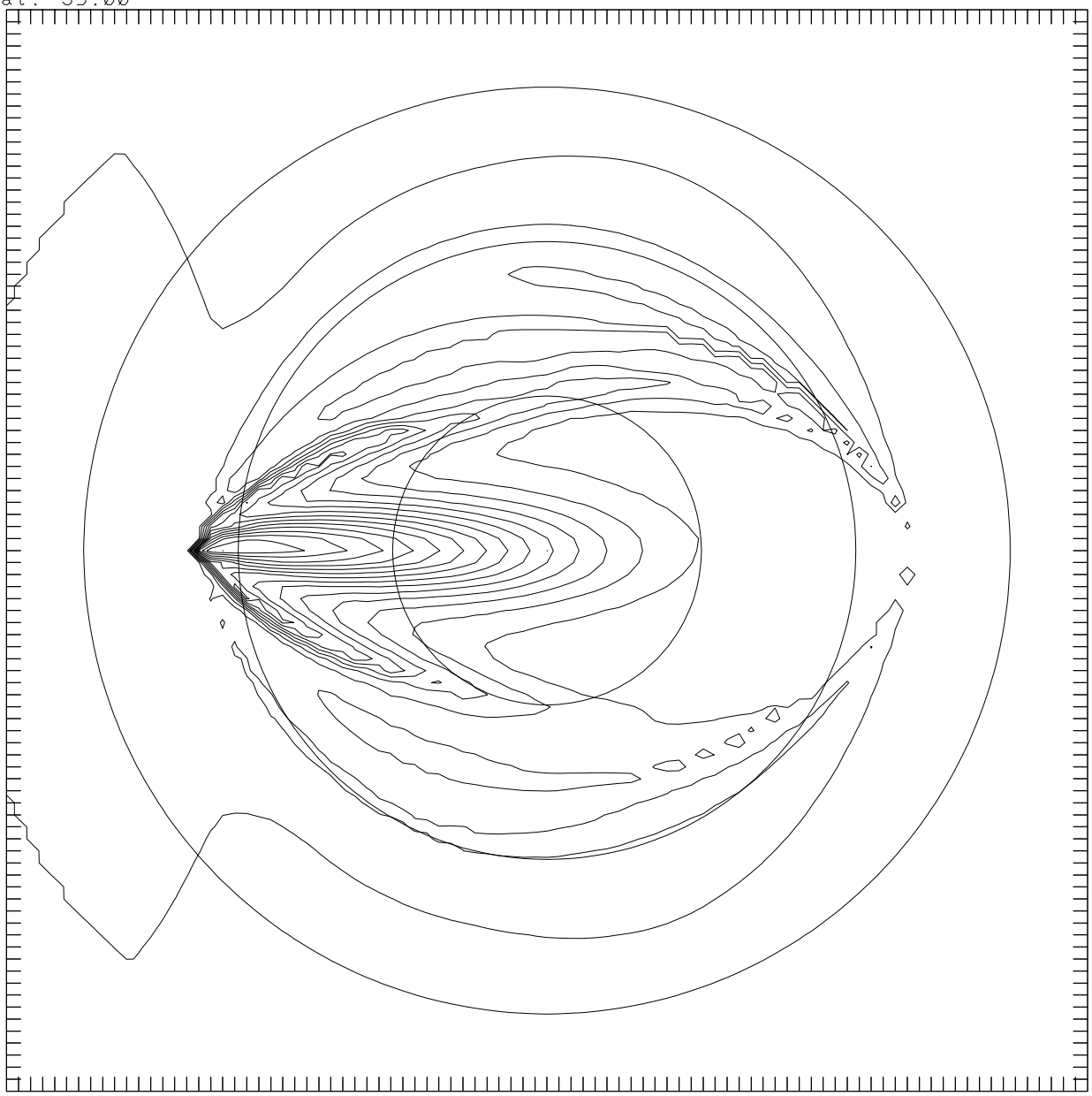
min 0.0000 0.0187
lat. 35.00

itempnth: intensity ut = 0.75



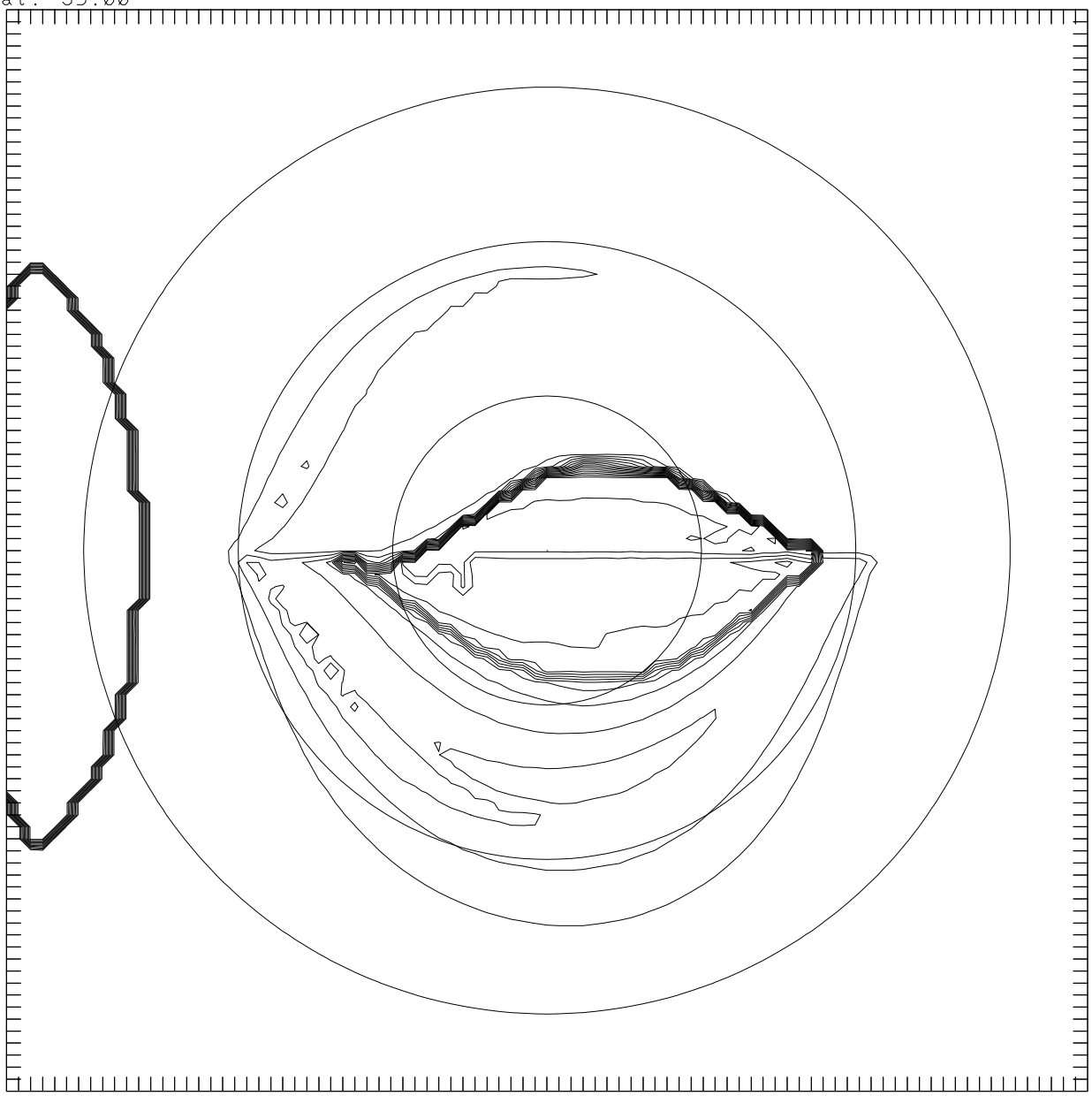
min 0.0000 0.0898
lat. 35.00

itempsth: intensity ut = 0.75



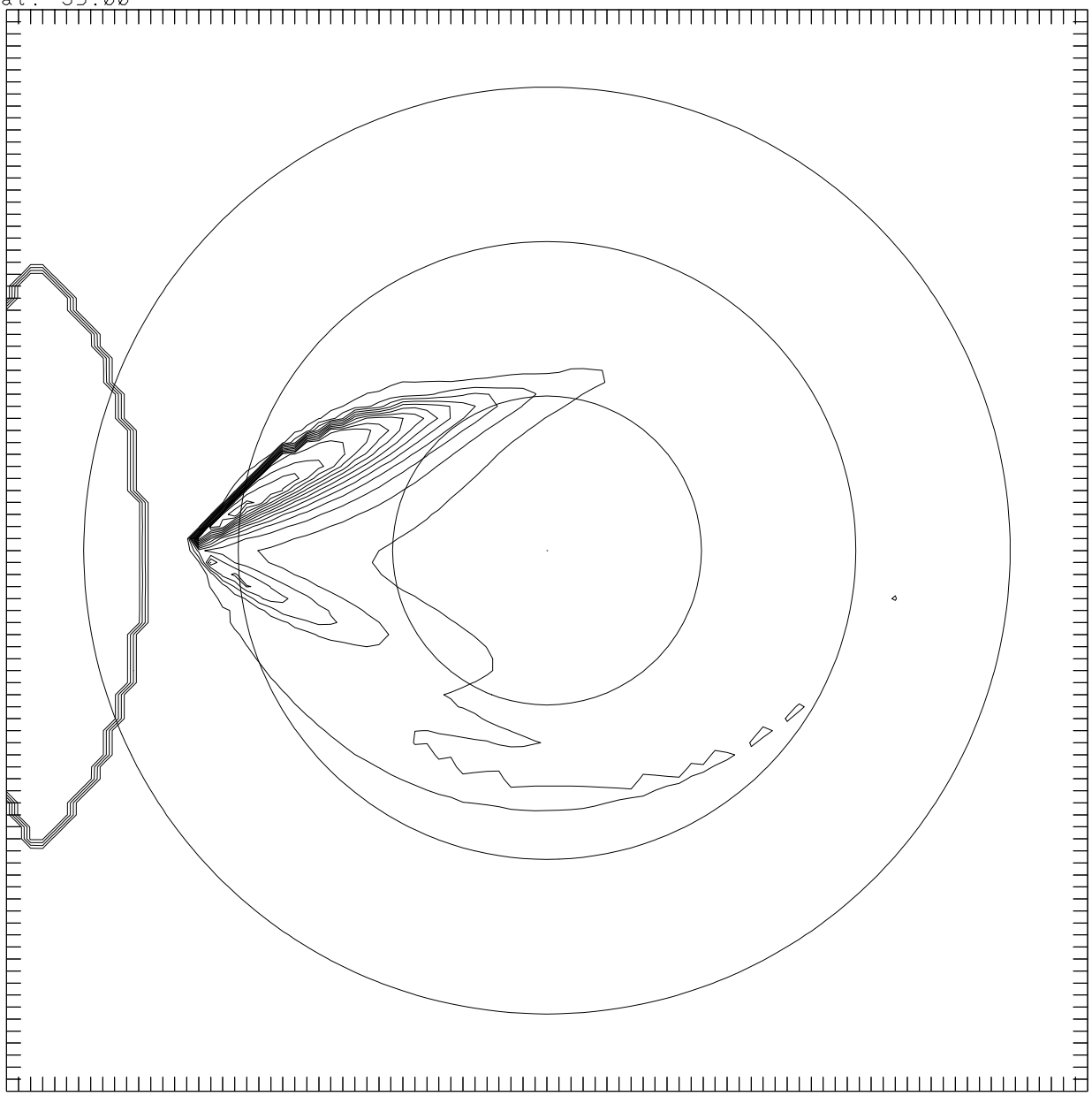
min 0.0000 0.4305
lat. 35.00

otempnth: intensity ut = 0.75



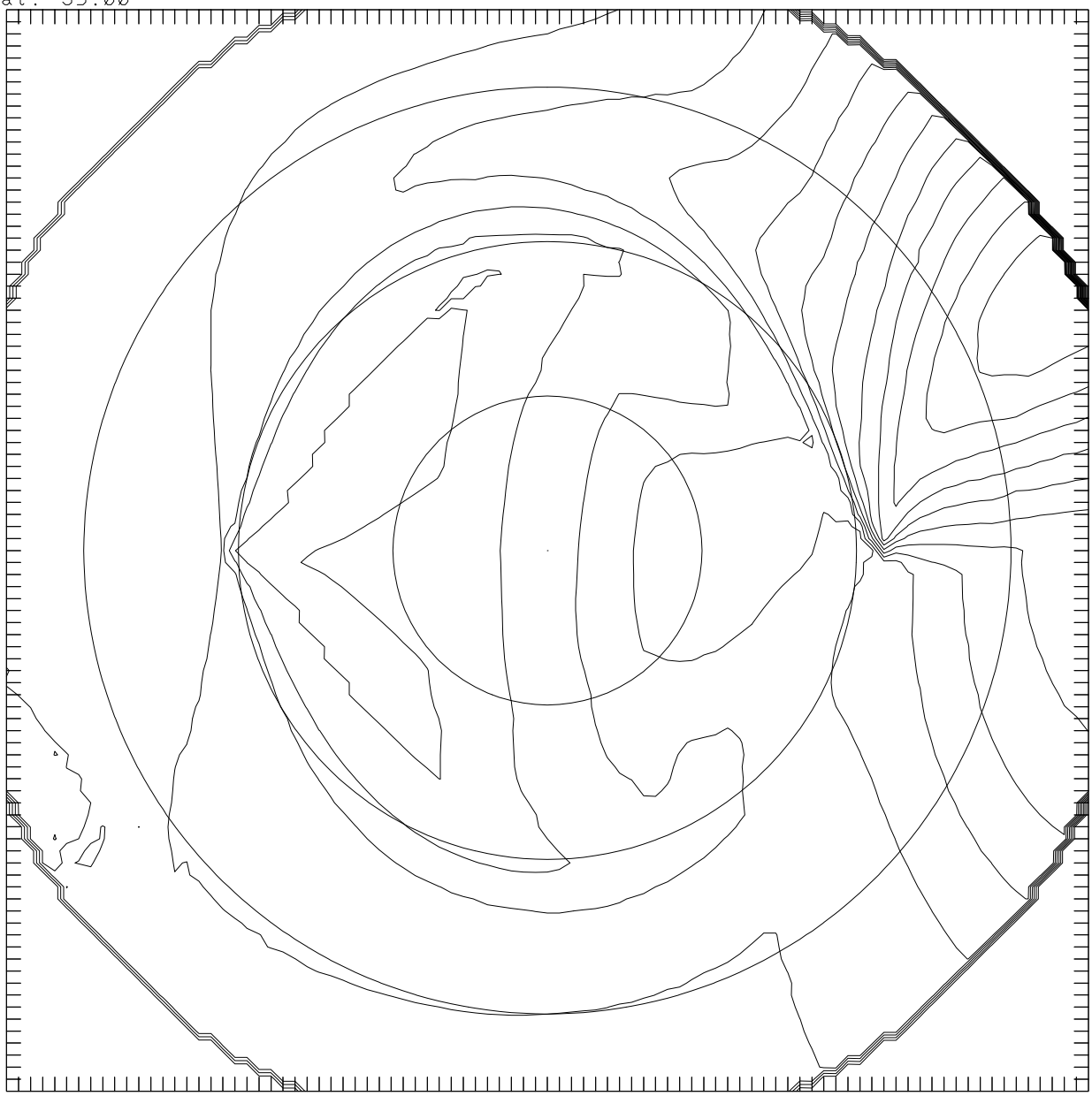
min 0.0000 1.0543
lat. 35.00

otempsth: intensity ut = 0.75



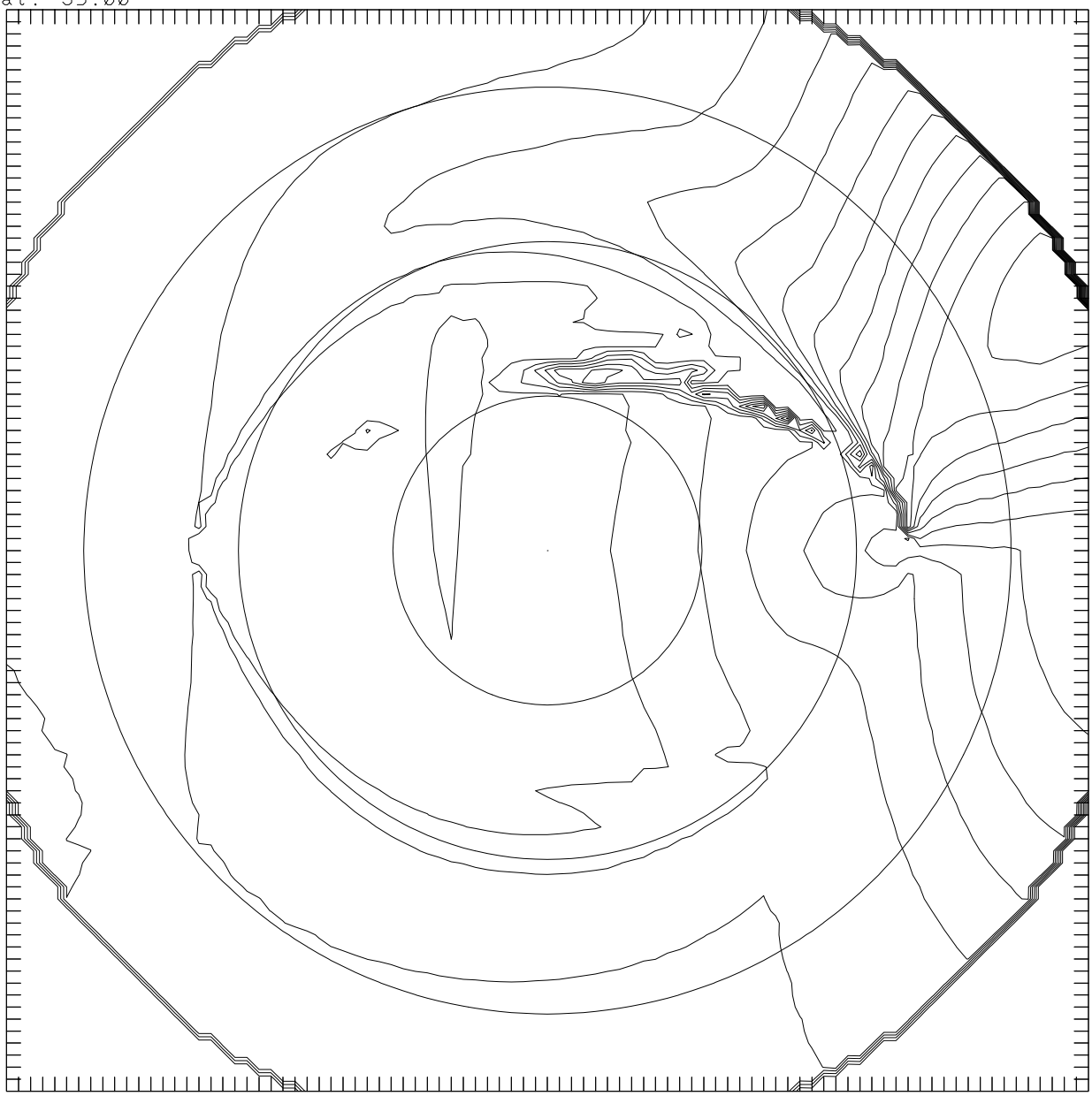
min 0.0000 0.0126
lat. 35.00

qtempnth: intensity ut = 0.75



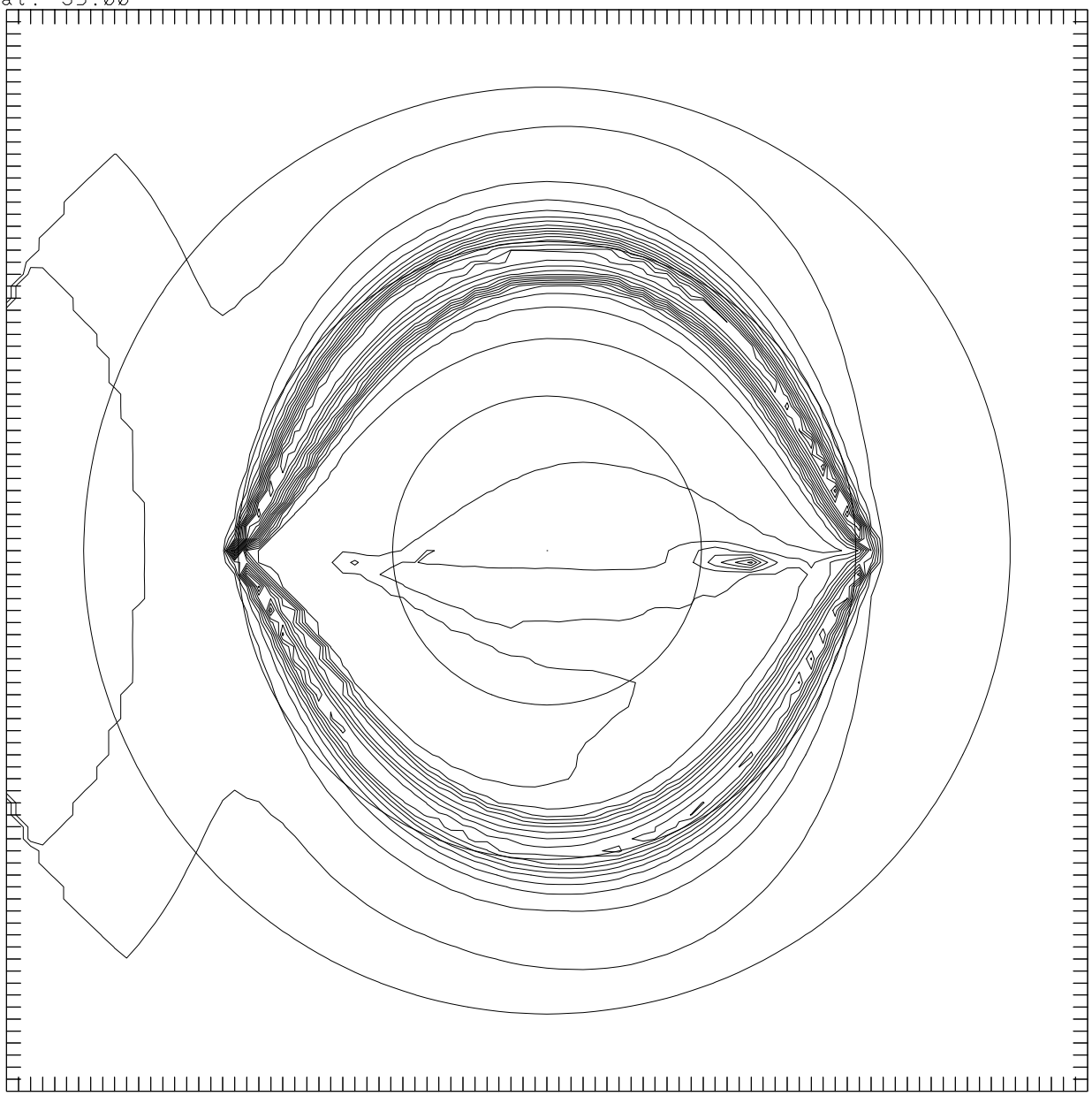
min 0.0000 0.0126
lat. 35.00

qtempsth: intensity ut = 0.75



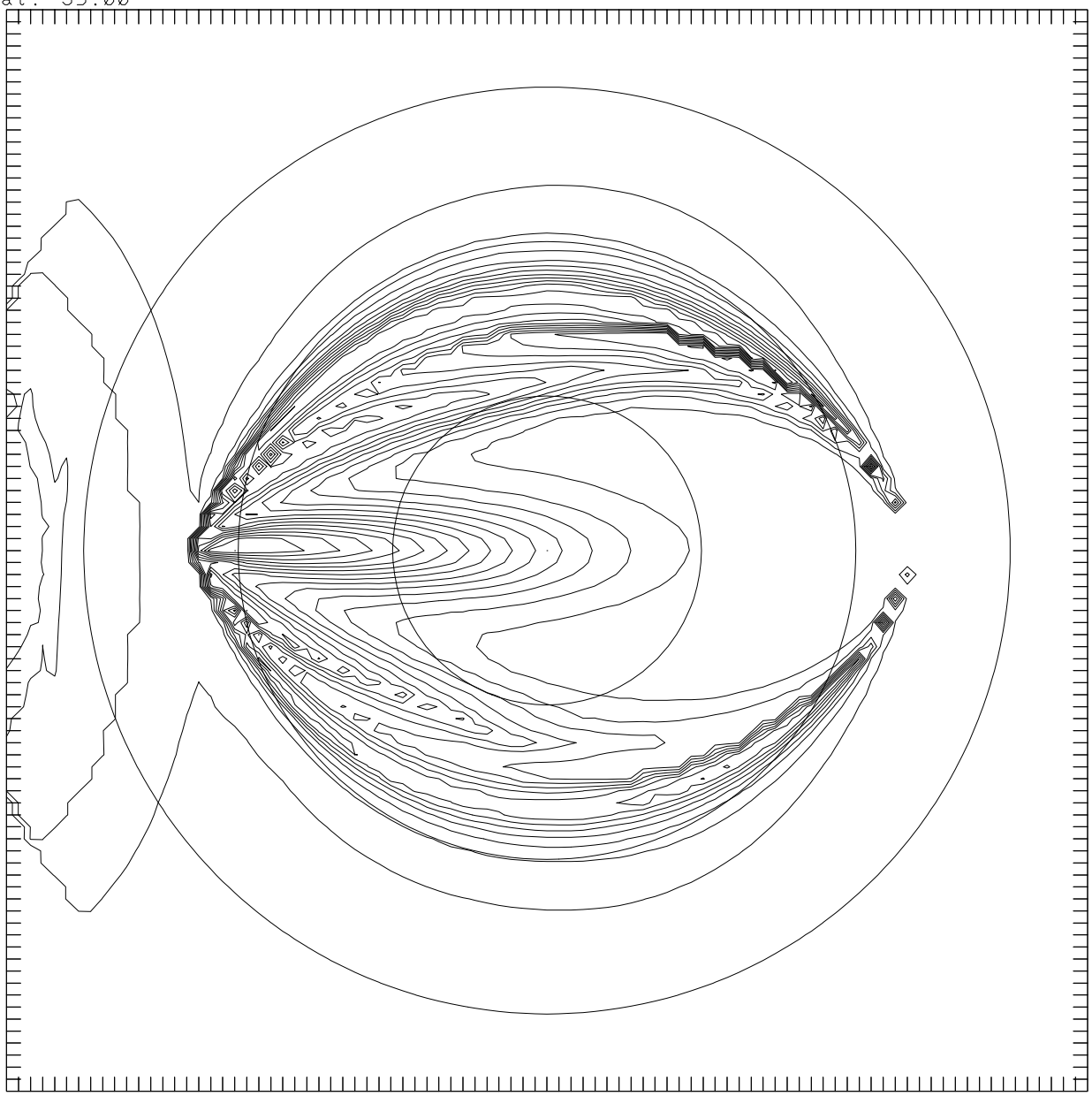
min 0.0000 0.0970
lat. 35.00

htempnth: intensity ut = 0.75



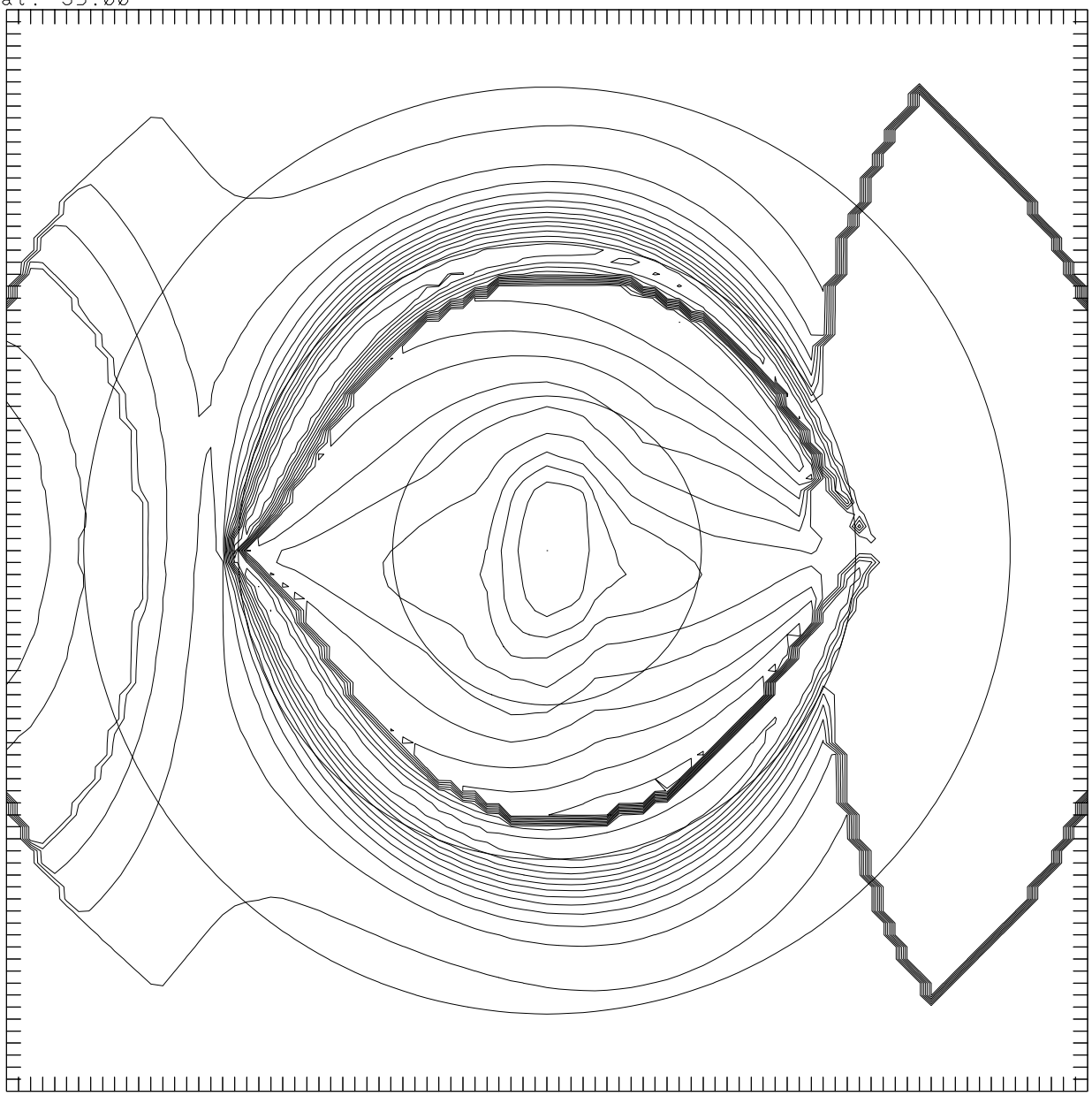
min 0.0000 0.1196
lat. 35.00

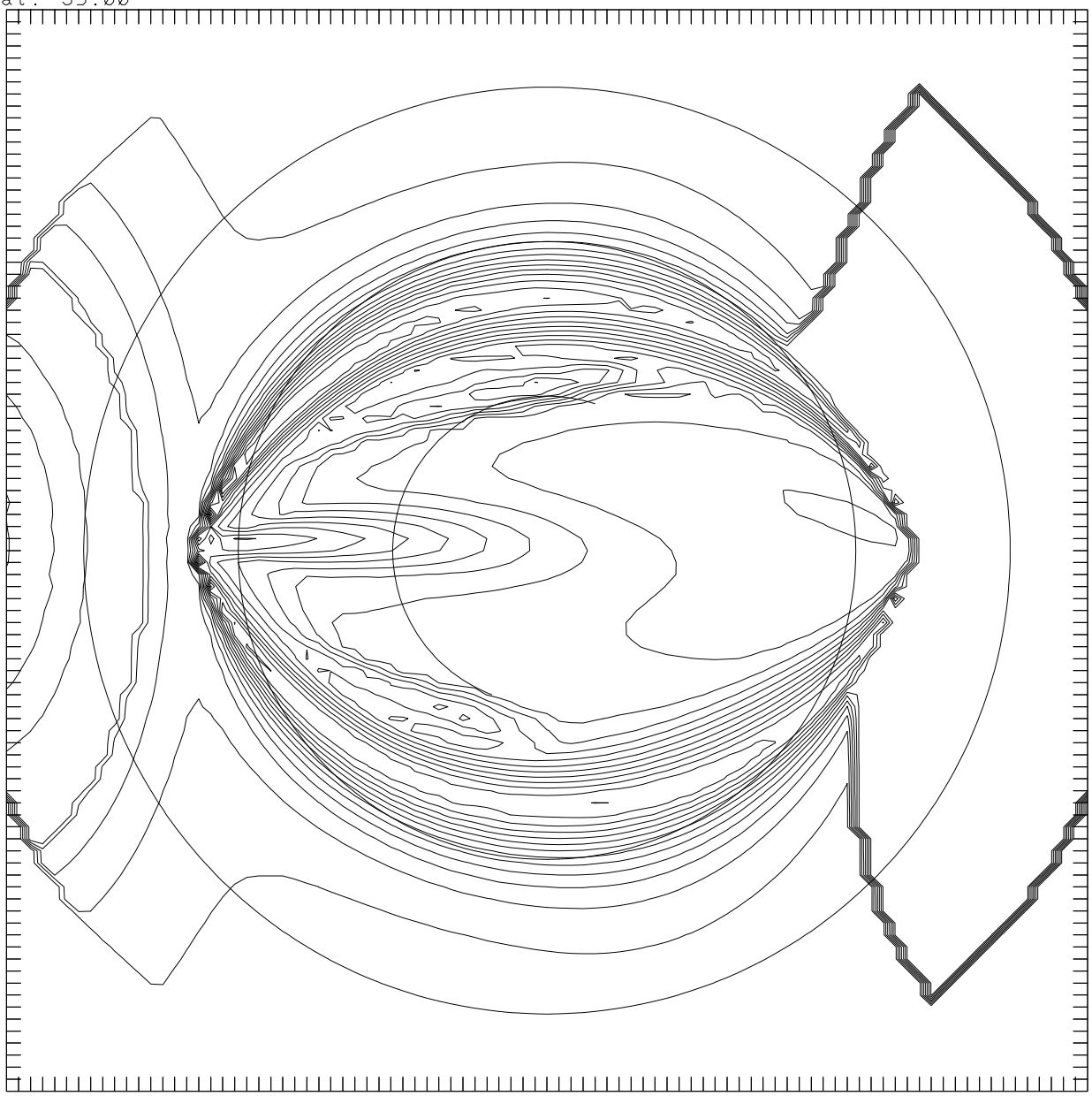
htempsth: intensity ut = 0.75



min 0.0000 0.0324
lat. 35.00

etempnth: intensity ut = 0.75



min 0.0000 0.0320
lat. 35.00

etempsth: intensity ut = 0.75