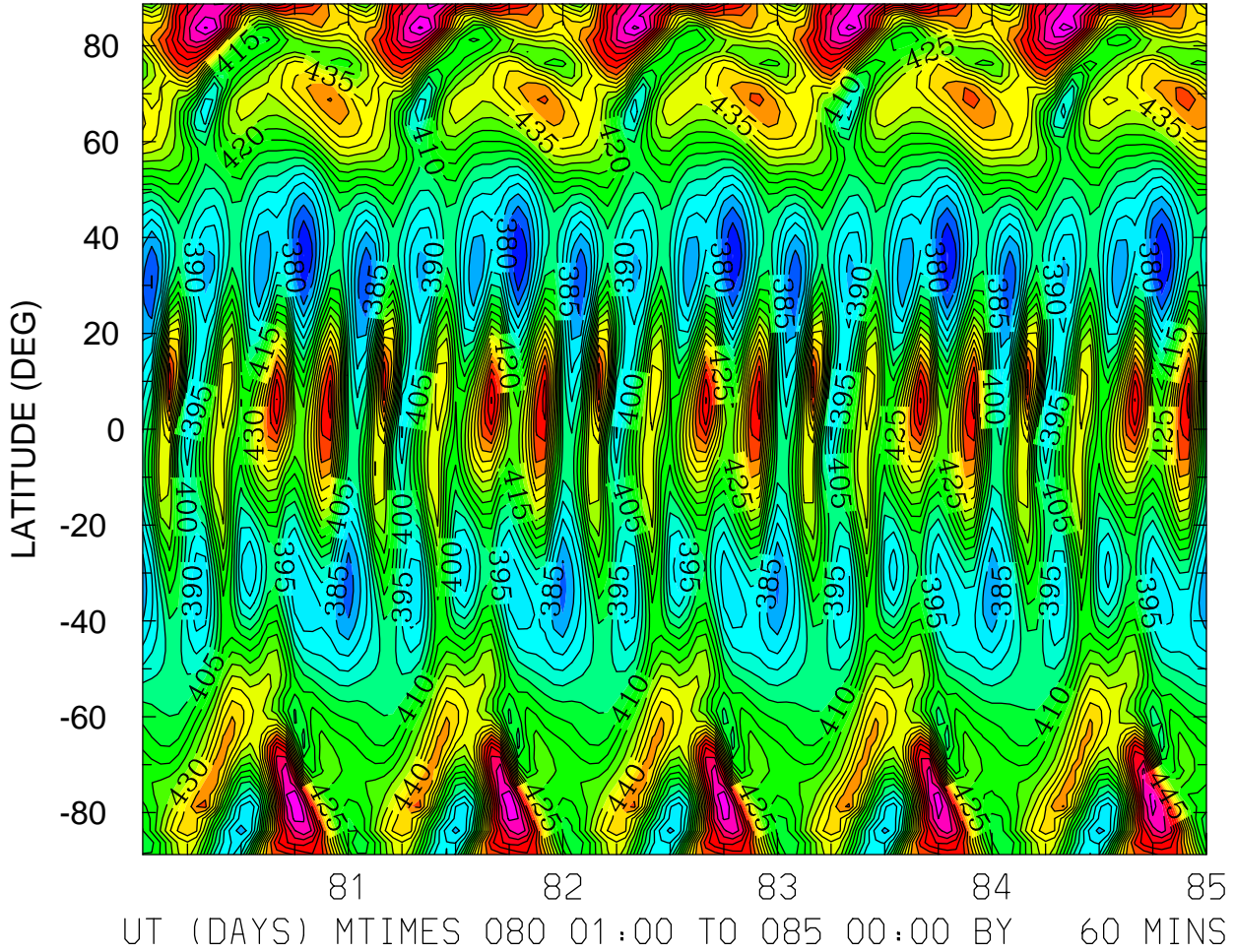
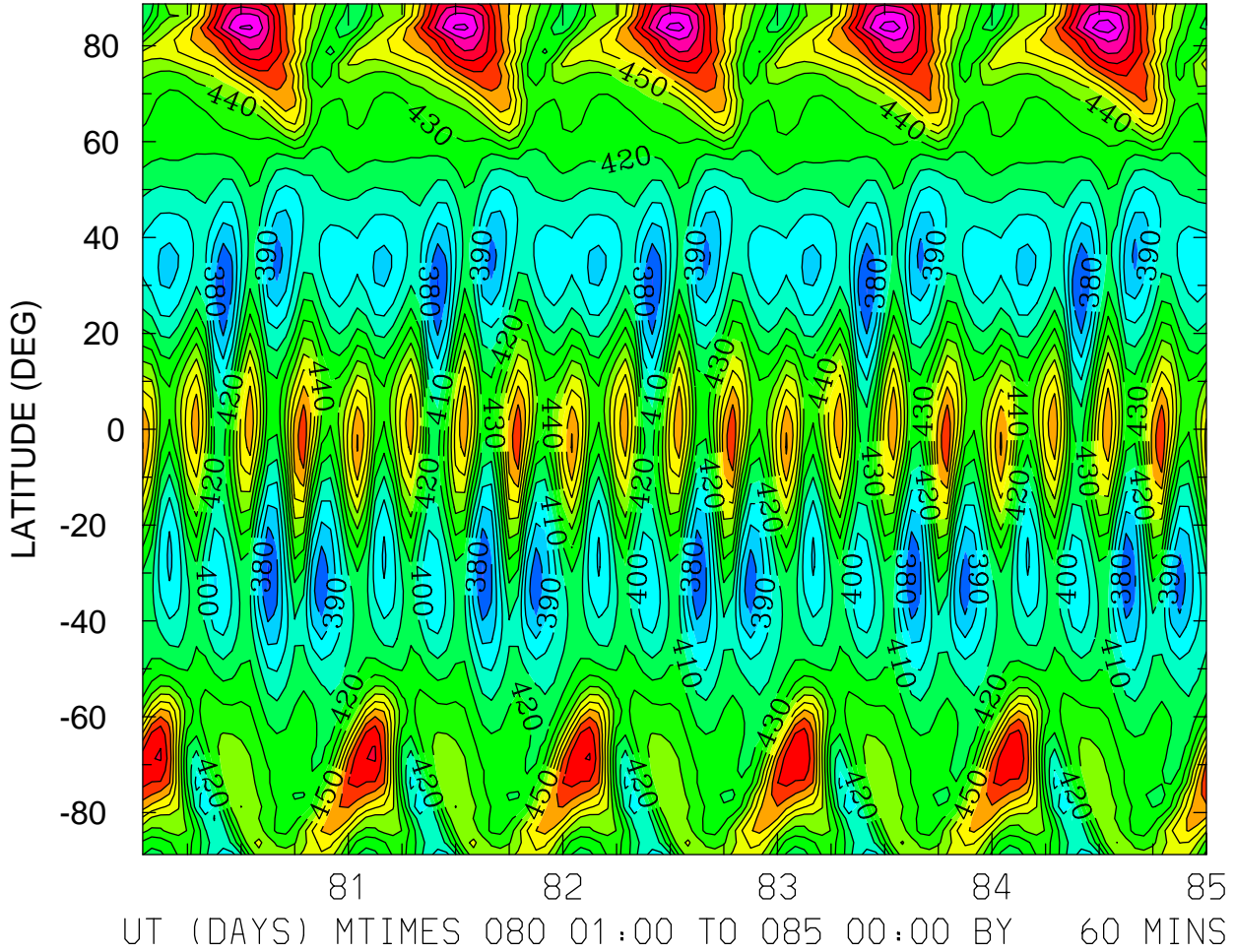


NEUTRAL TEMPERATURE (DEG K)  
ZP = -4.000 LOCAL TIME = 0.00



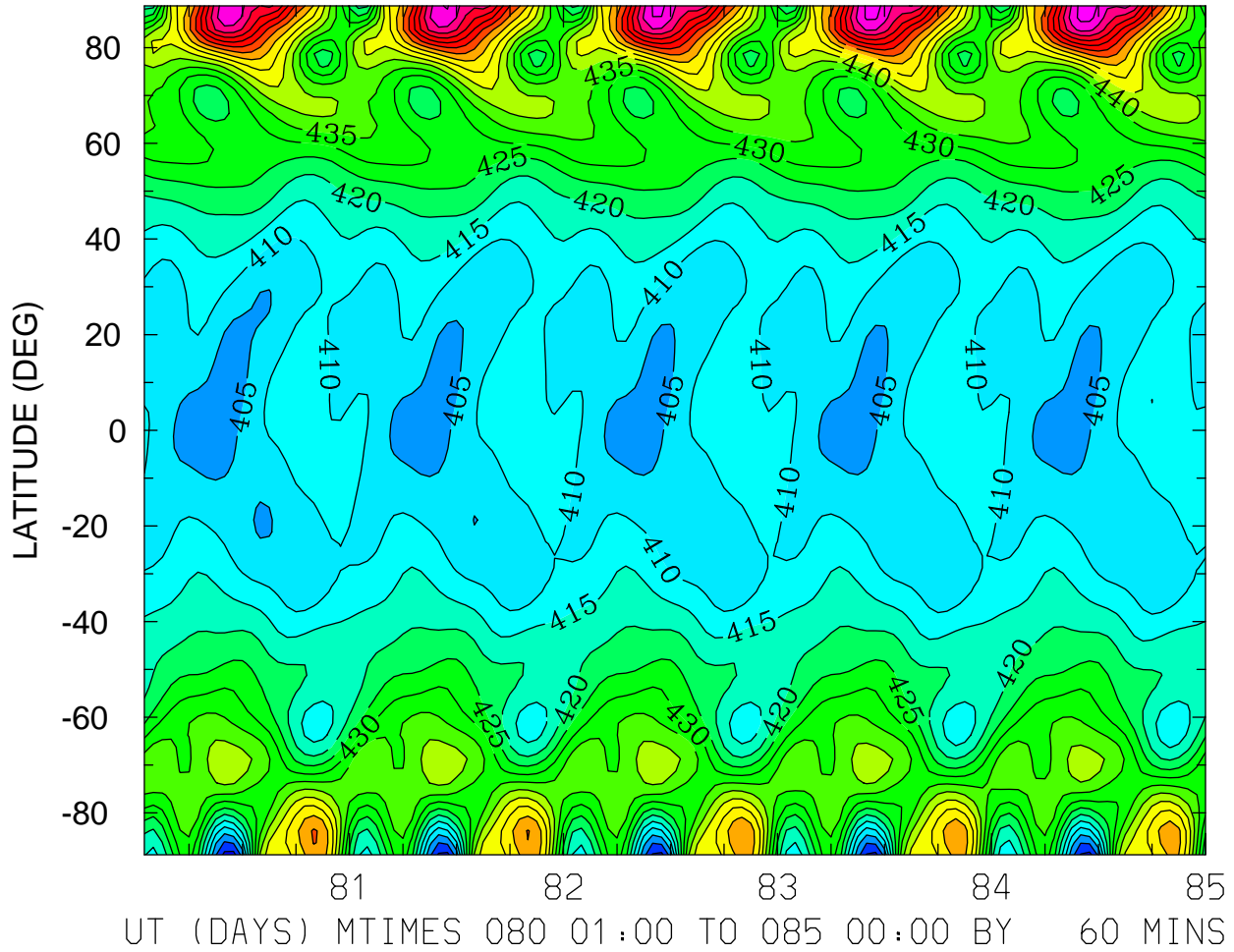
MIN,MAX= 3.6952E+02 4.8697E+02 INTERVAL= 5.0000E+00  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

NEUTRAL TEMPERATURE (DEG K)  
ZP = -4.000 LOCAL TIME = 12.00



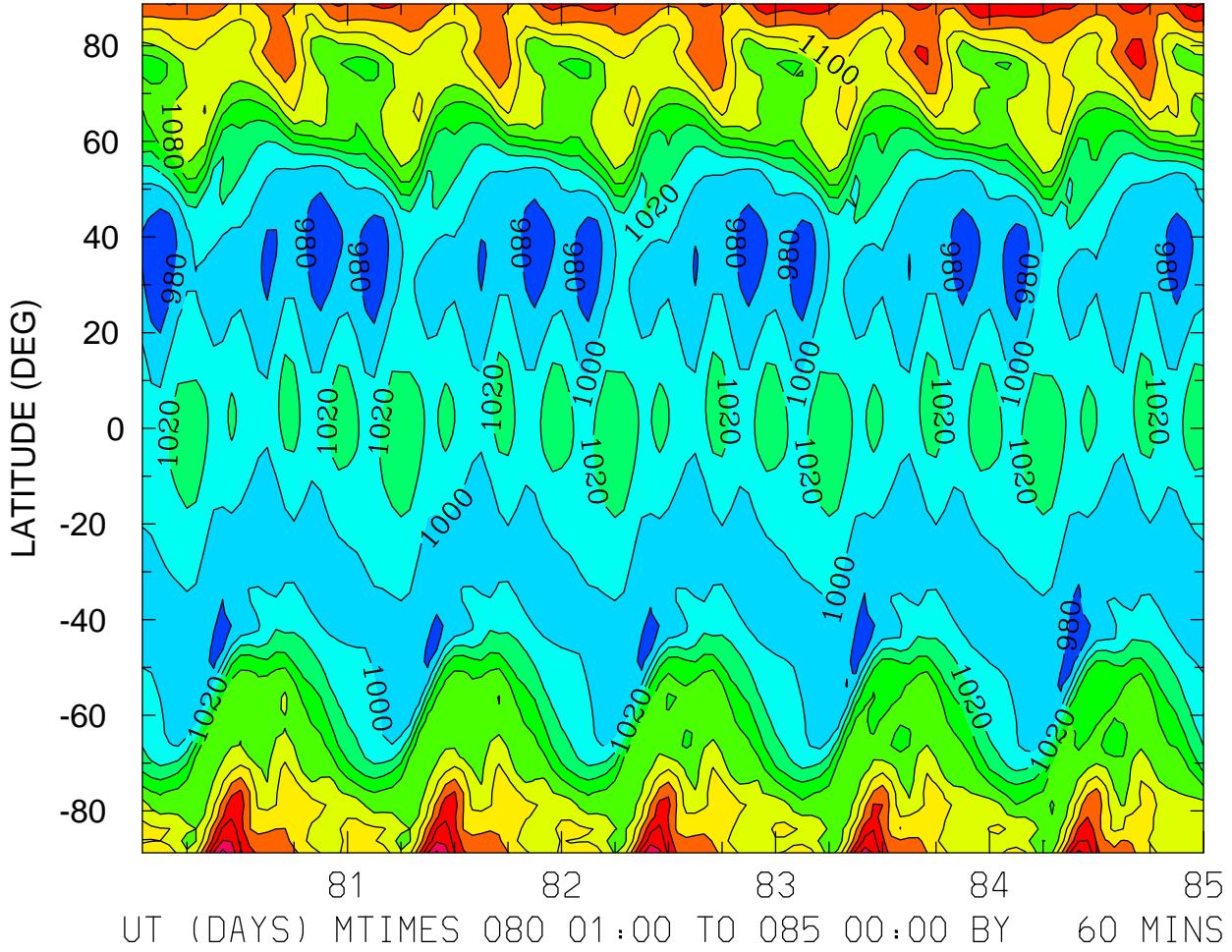
MIN,MAX= 3.6864E+02 5.3565E+02 INTERVAL= 1.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

NEUTRAL TEMPERATURE (DEG K)  
ZP = -4.000 ZONAL MEANS



MIN,MAX= 3.9293E+02 4.9295E+02 INTERVAL= 5.0000E+00  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

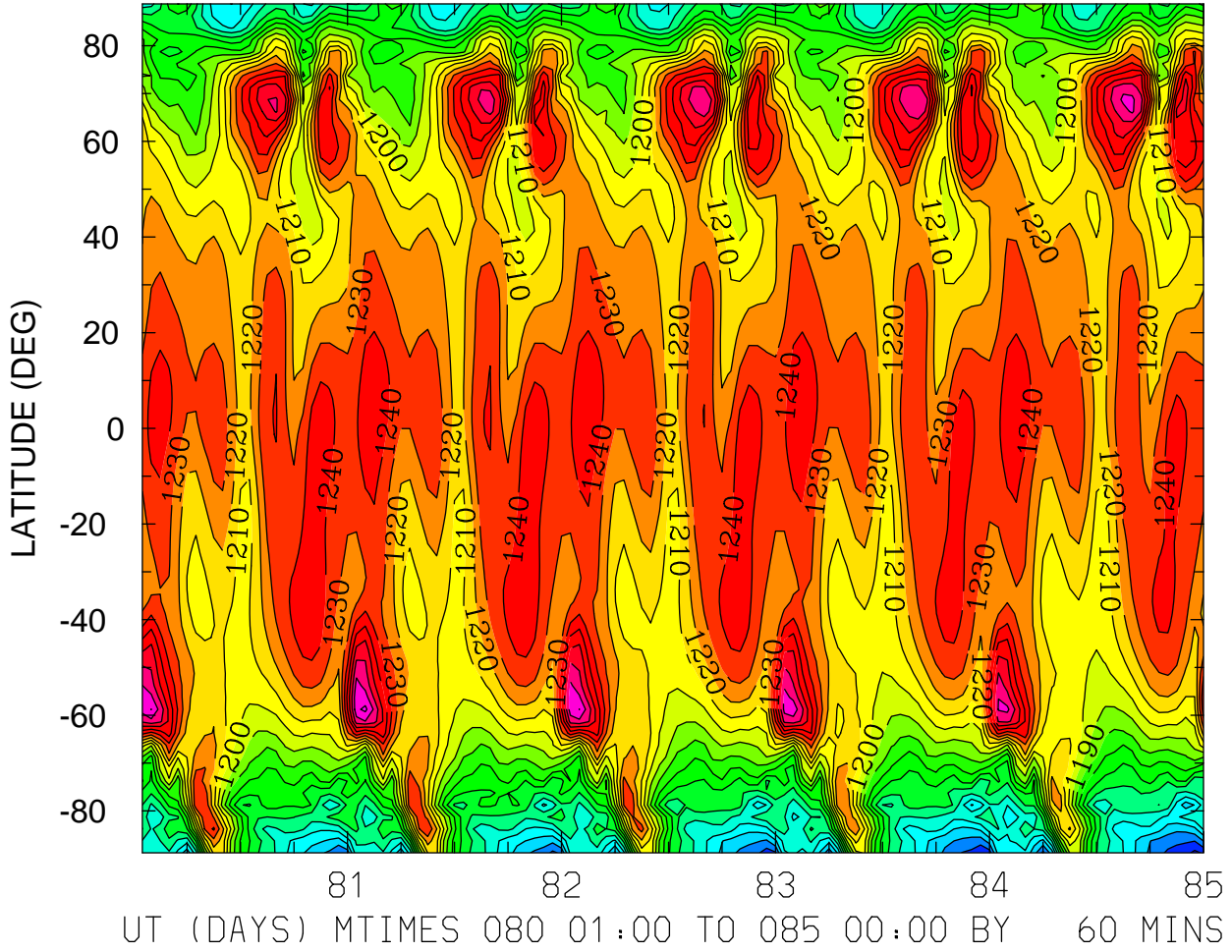
NEUTRAL TEMPERATURE (DEG K)  
ZP = 0.000 LOCAL TIME = 0.00



MIN,MAX= 9.6393E+02 1.2072E+03 INTERVAL= 2.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

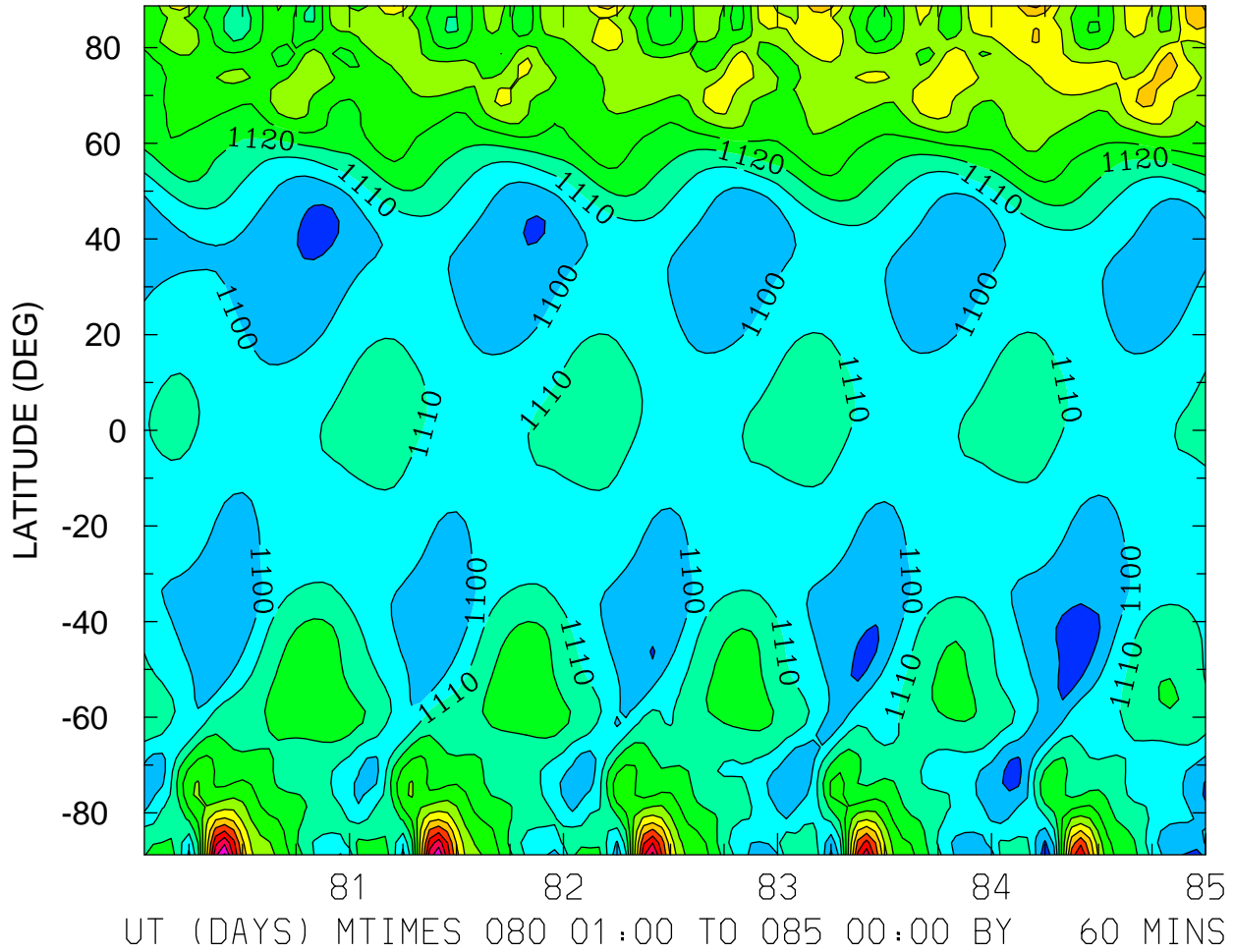


NEUTRAL TEMPERATURE (DEG K)  
ZP = 0.000 LOCAL TIME = 12.00



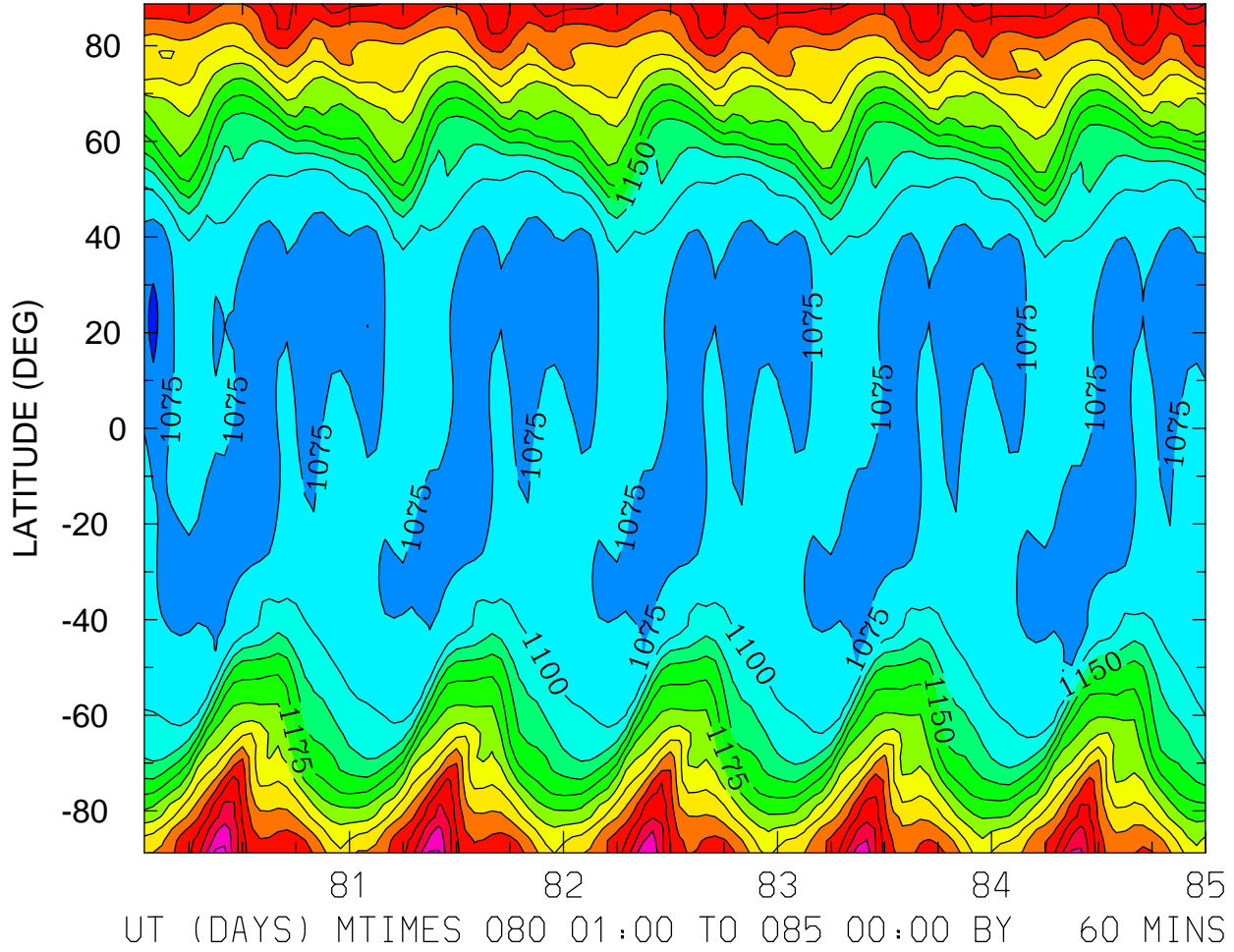
MIN,MAX= 1.0875E+03 1.2926E+03 INTERVAL= 1.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

NEUTRAL TEMPERATURE (DEG K)  
ZP = 0.000 ZONAL MEANS



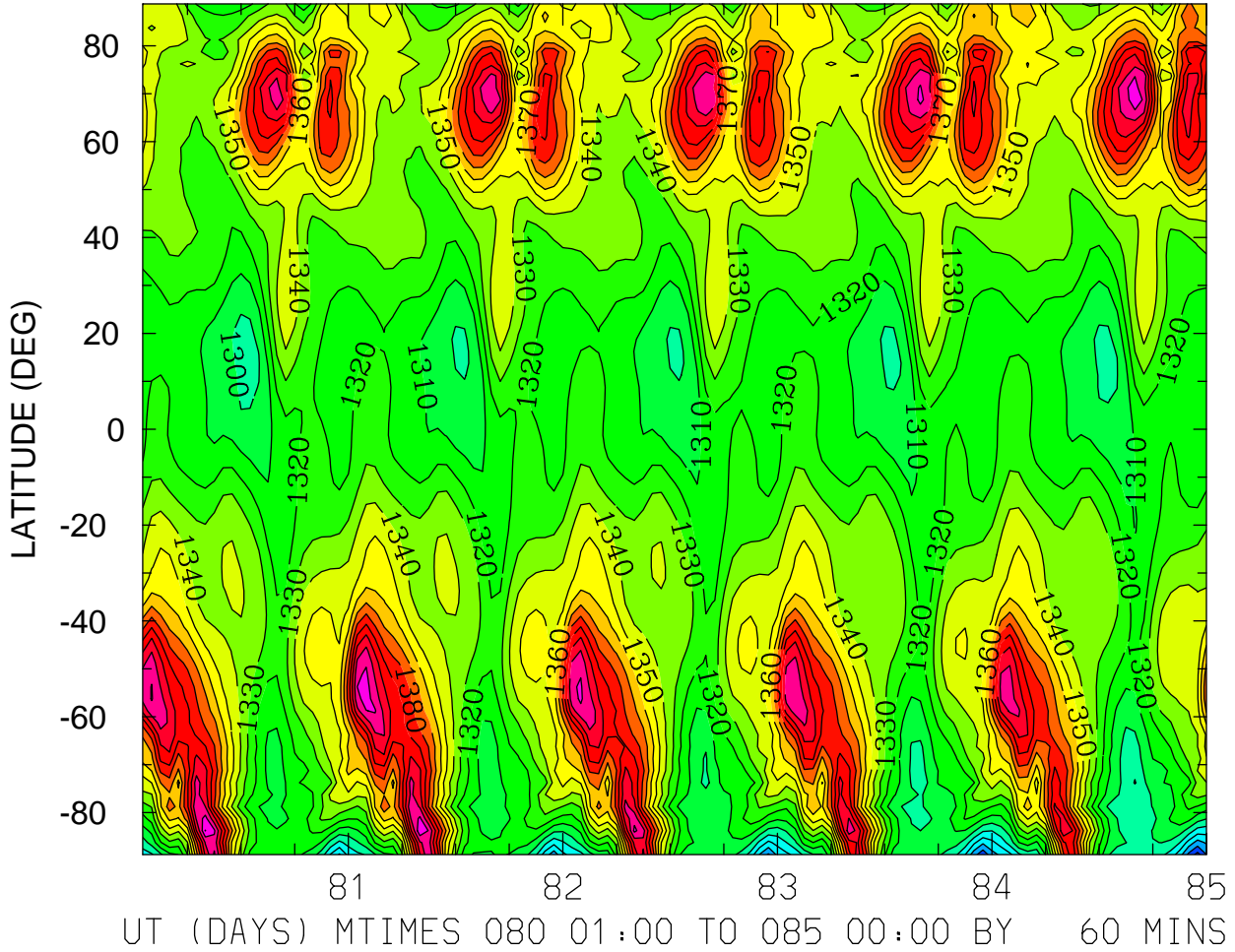
MIN,MAX= 1.0822E+03 1.2112E+03 INTERVAL= 1.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

NEUTRAL TEMPERATURE (DEG K)  
ZP = 4.000 LOCAL TIME = 0.00



MIN,MAX= 1.0461E+03 1.4069E+03 INTERVAL= 2.5000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

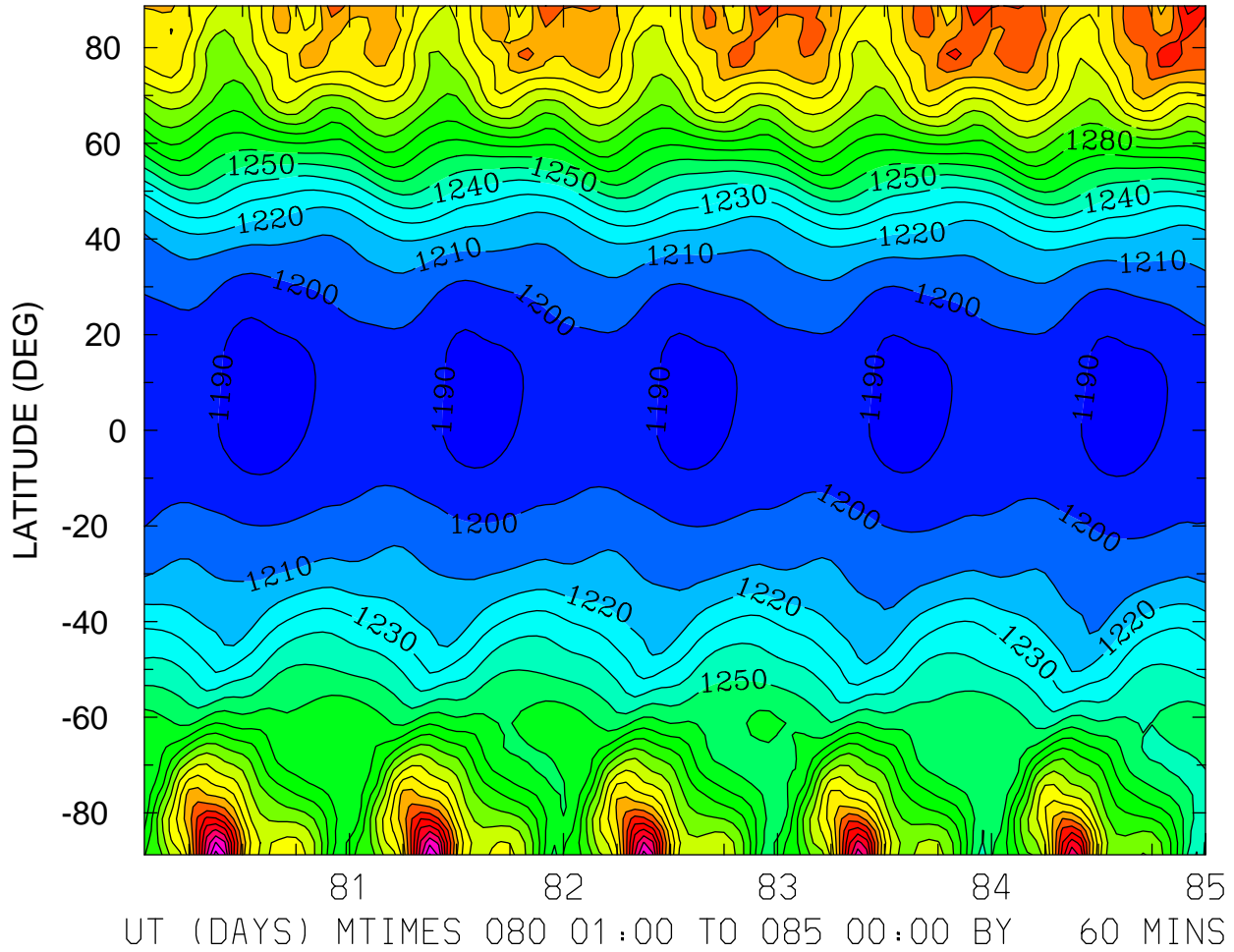
NEUTRAL TEMPERATURE (DEG K)  
ZP = 4.000 LOCAL TIME = 12.00



MIN,MAX= 1.2463E+03 1.4302E+03 INTERVAL= 1.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

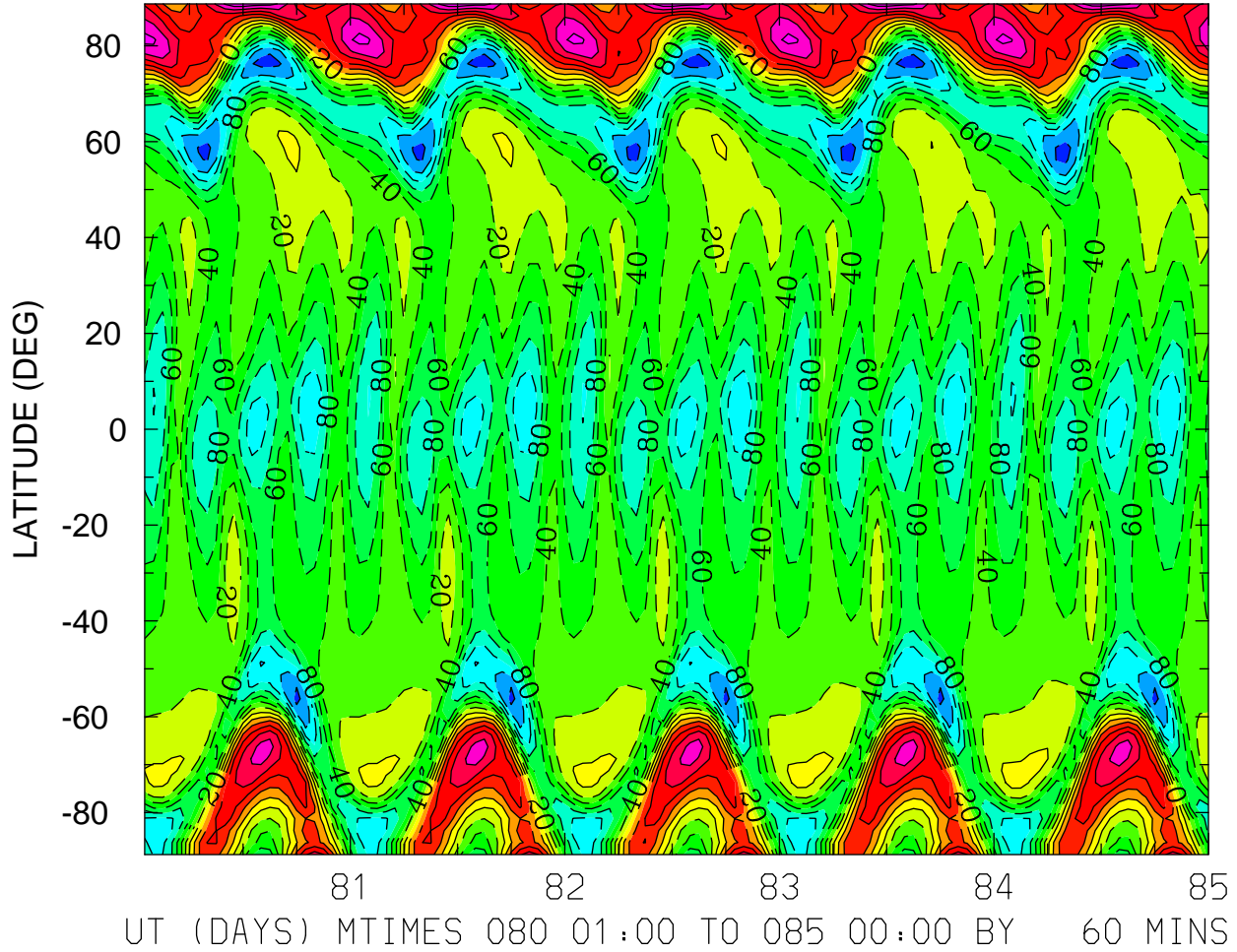


NEUTRAL TEMPERATURE (DEG K)  
ZP = 4.000 ZONAL MEANS



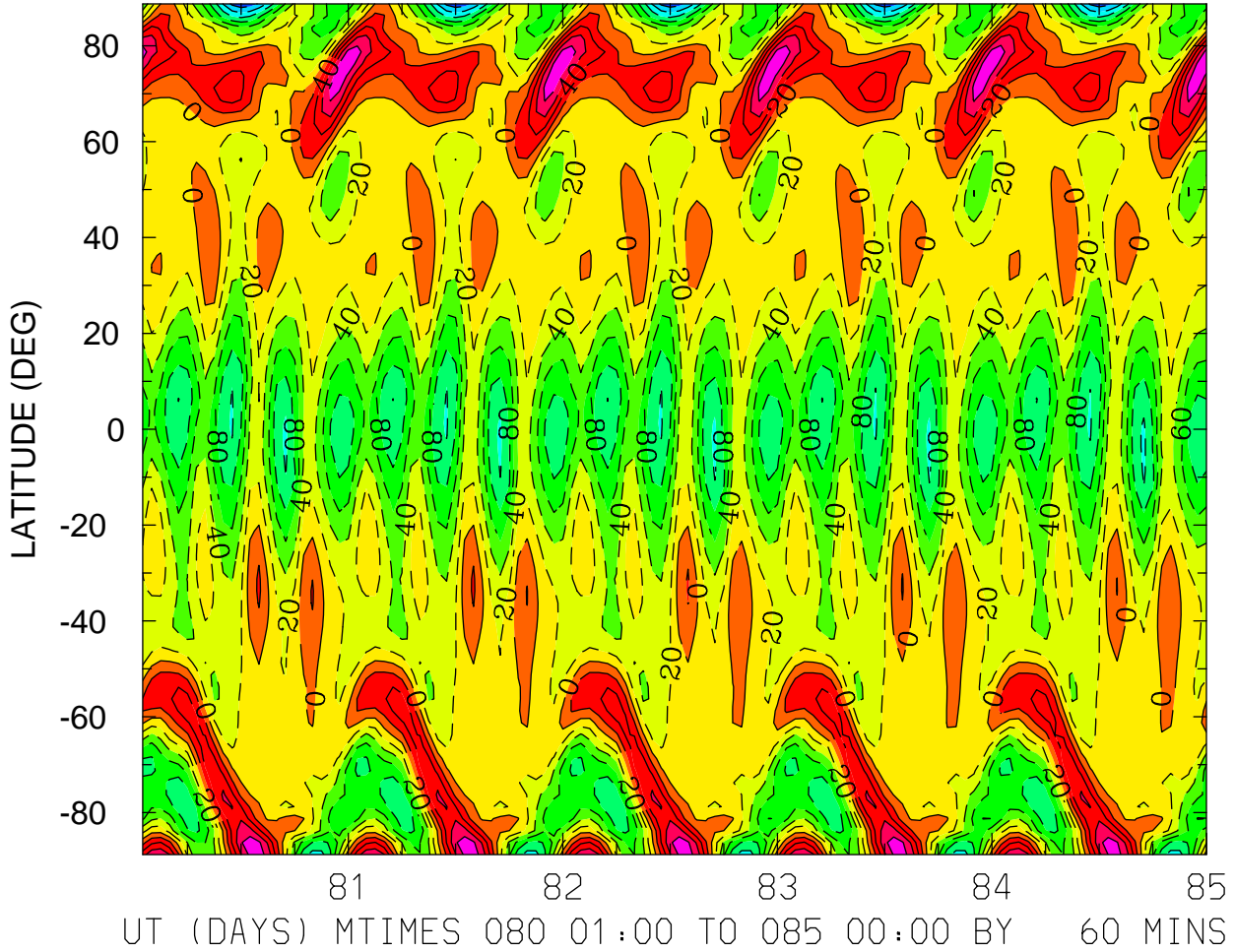
MIN,MAX= 1.1850E+03 1.4142E+03 INTERVAL= 1.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

NEUTRAL ZONAL WIND (M/S)  
ZP = -4.000 LOCAL TIME = 0.00



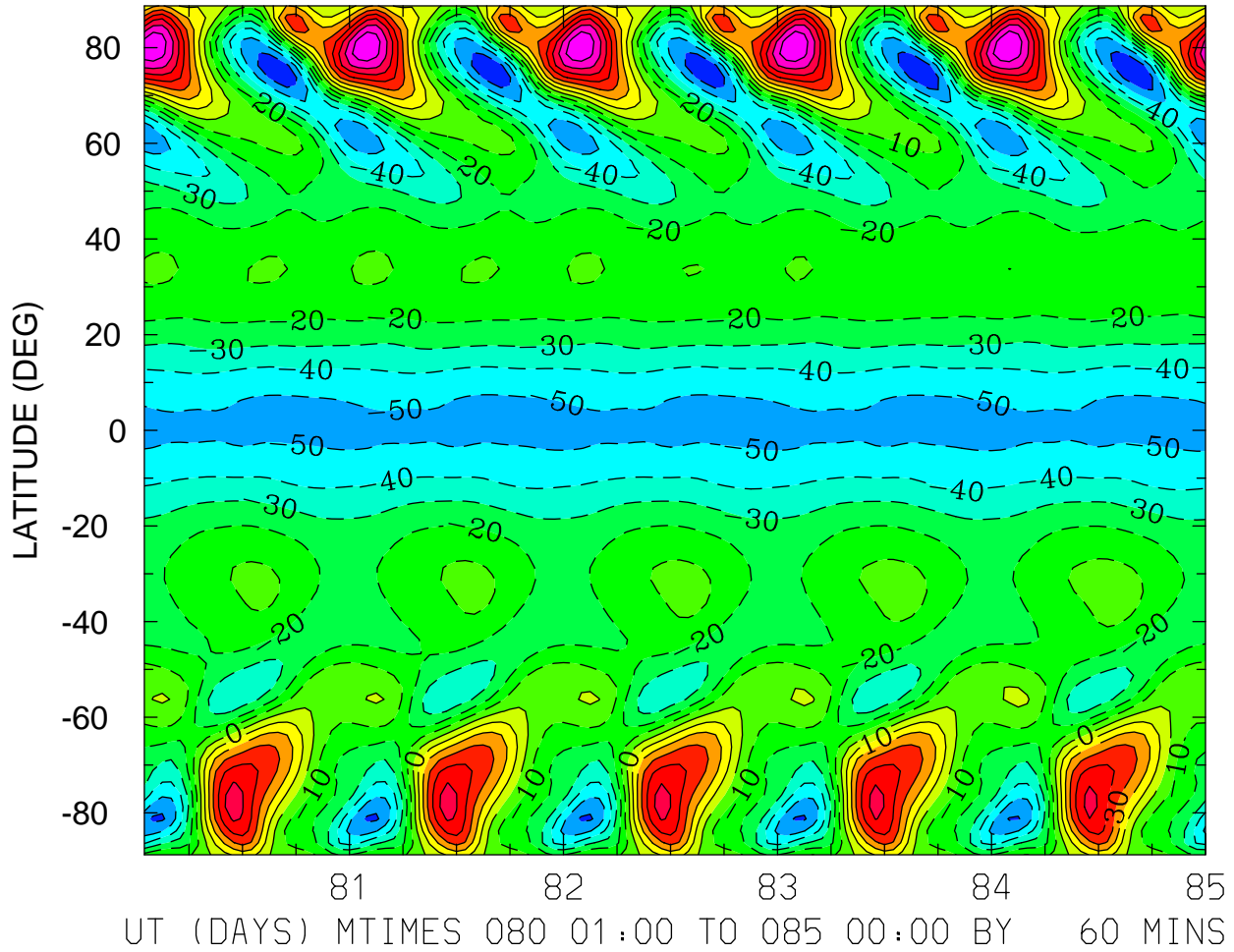
MIN,MAX= -1.4983E+02 1.3687E+02 INTERVAL= 2.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

NEUTRAL ZONAL WIND (M/S)  
ZP = -4.000 LOCAL TIME = 12.00



MIN,MAX= -1.5413E+02 9.6298E+01 INTERVAL= 2.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

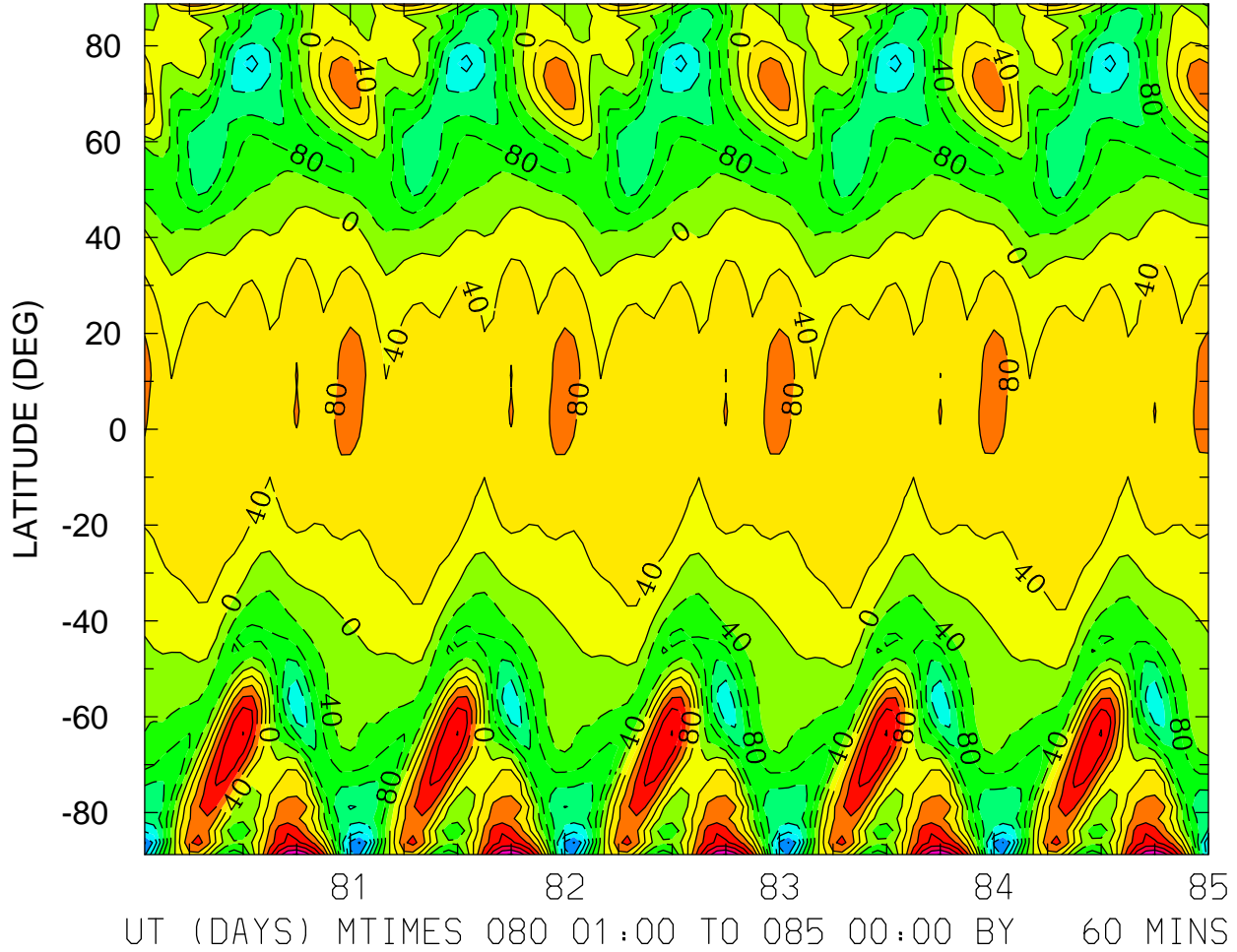
NEUTRAL ZONAL WIND (M/S)  
ZP = -4.000 ZONAL MEANS



MIN,MAX= -6.9100E+01 8.0132E+01 INTERVAL= 1.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

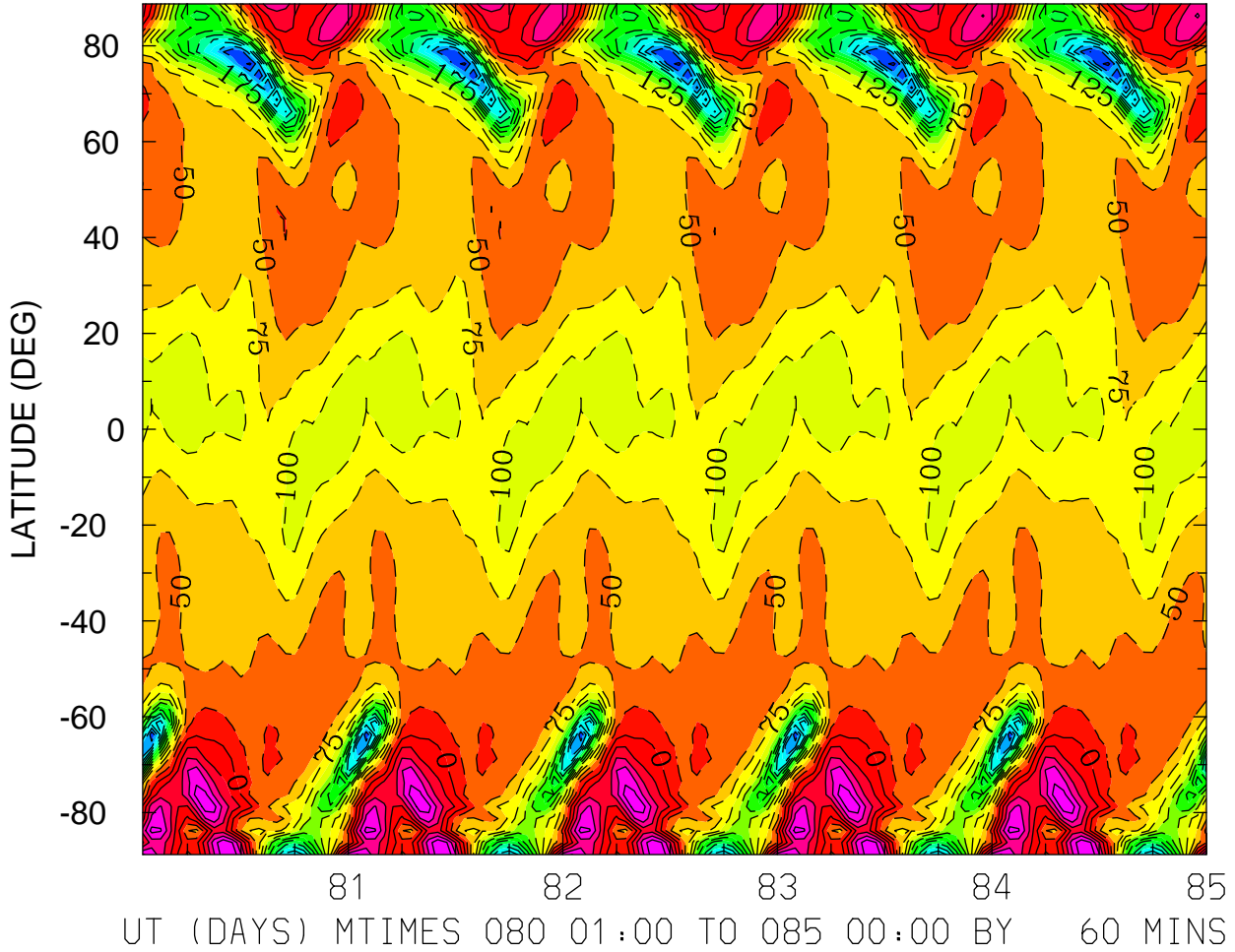


NEUTRAL ZONAL WIND (M/S)  
ZP = 0.000 LOCAL TIME = 0.00



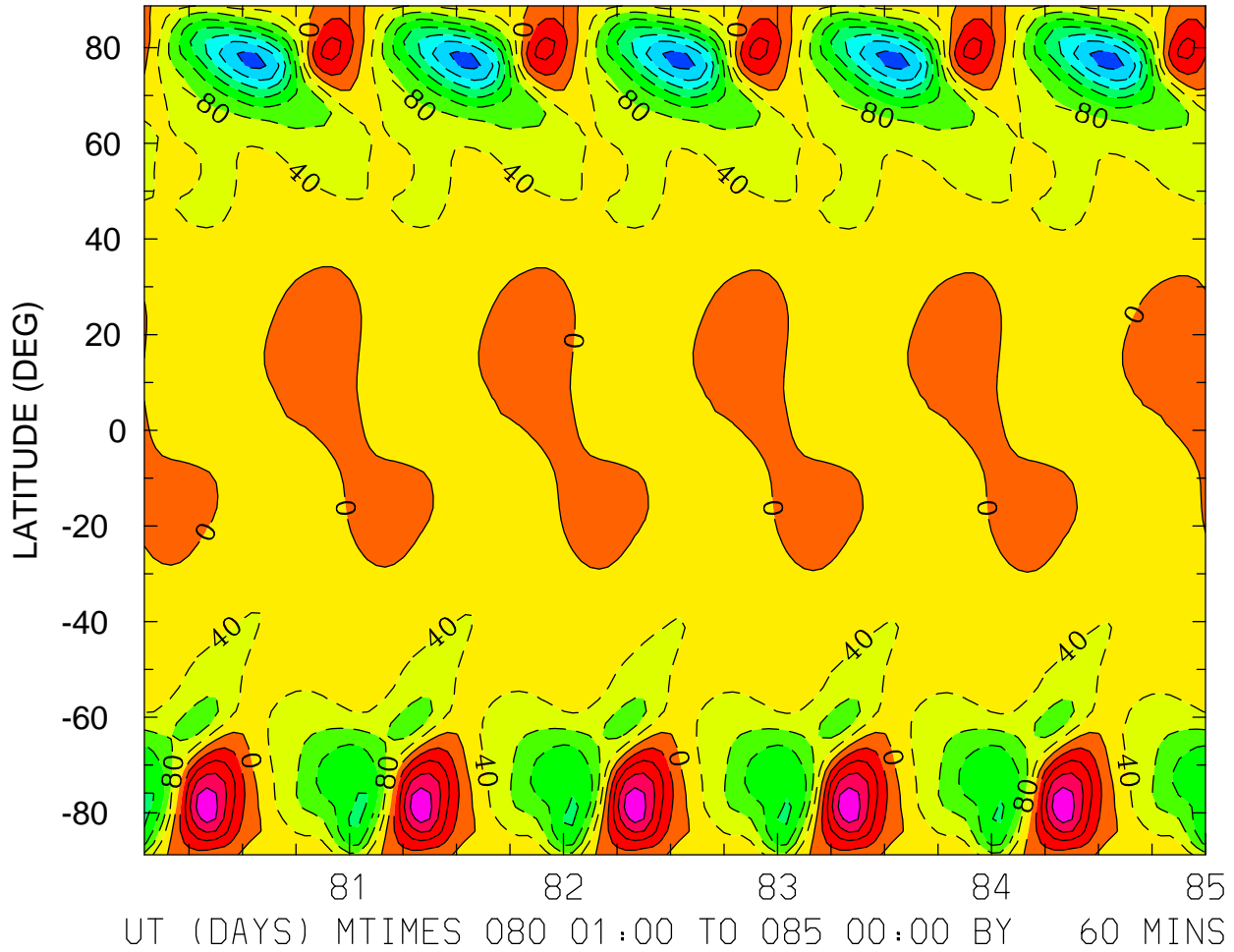
MIN,MAX= -2.8439E+02 2.8583E+02 INTERVAL= 4.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

NEUTRAL ZONAL WIND (M/S)  
ZP = 0.000 LOCAL TIME = 12.00



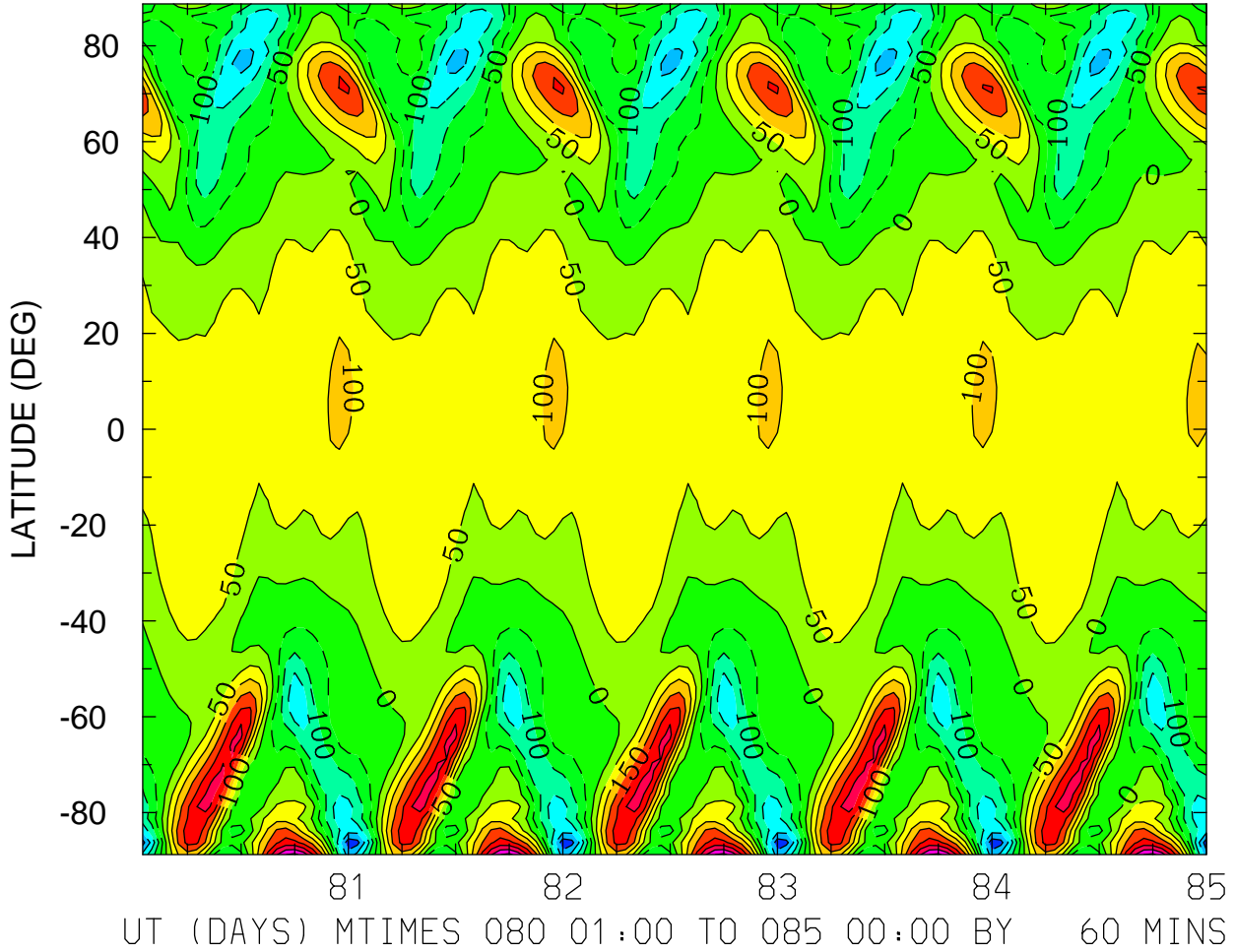
MIN,MAX= -3.5773E+02 1.2219E+02 INTERVAL= 2.5000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

NEUTRAL ZONAL WIND (M/S)  
ZP = 0.000 ZONAL MEANS



MIN,MAX= -2.9140E+02 1.9320E+02 INTERVAL= 4.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

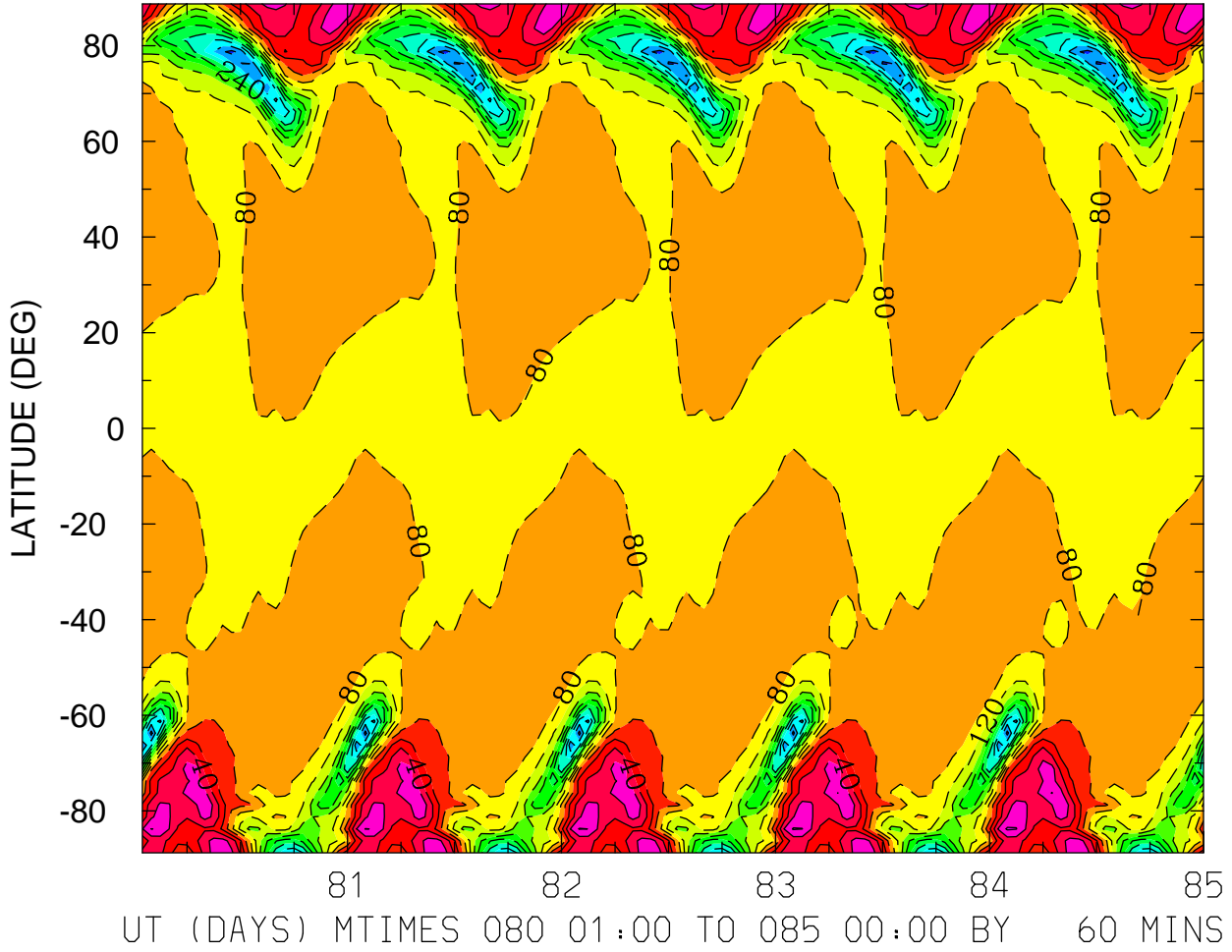
NEUTRAL ZONAL WIND (M/S)  
ZP = 4.000 LOCAL TIME = 0.00



MIN,MAX= -2.8148E+02 3.6207E+02 INTERVAL= 5.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

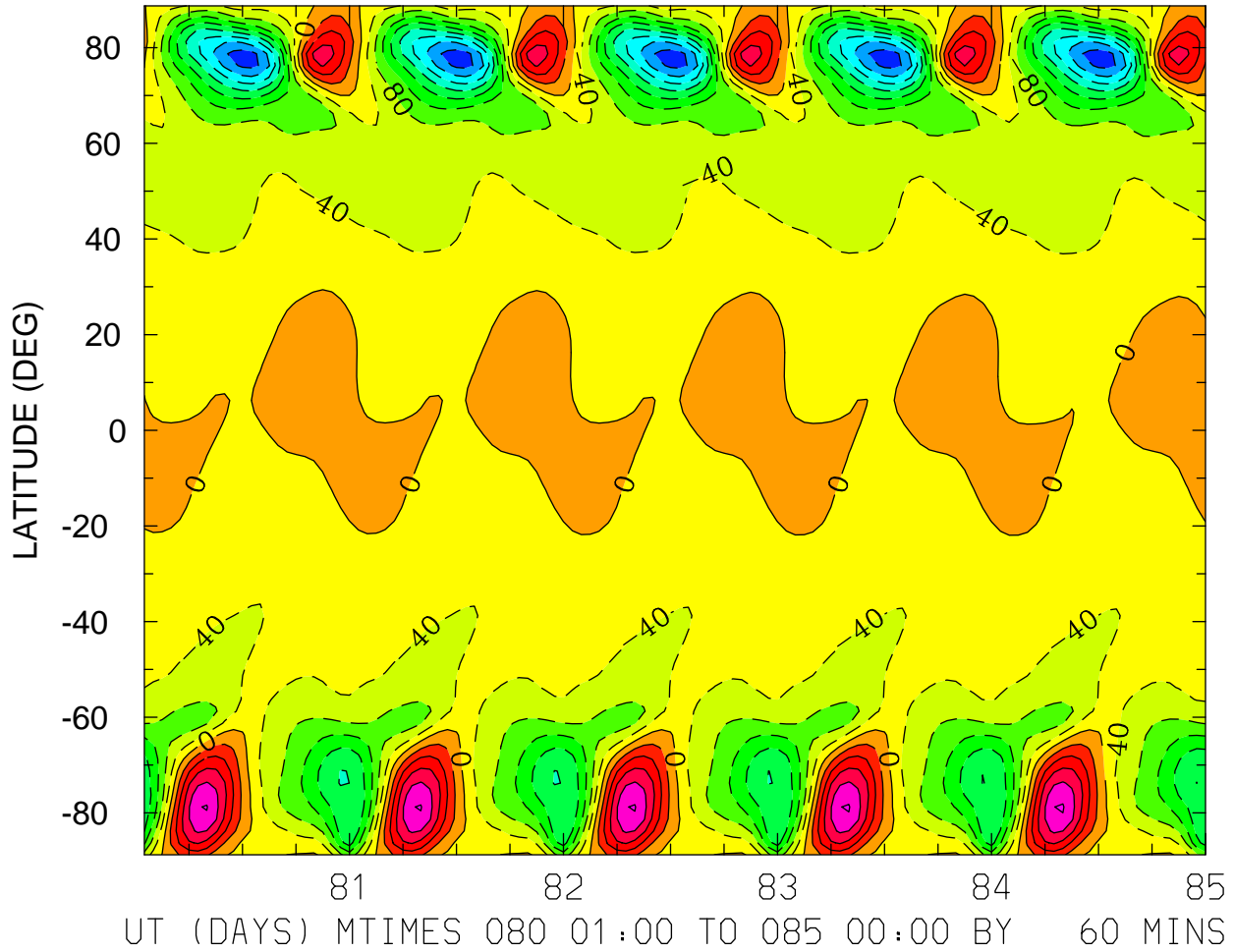


NEUTRAL ZONAL WIND (M/S)  
ZP = 4.000 LOCAL TIME = 12.00



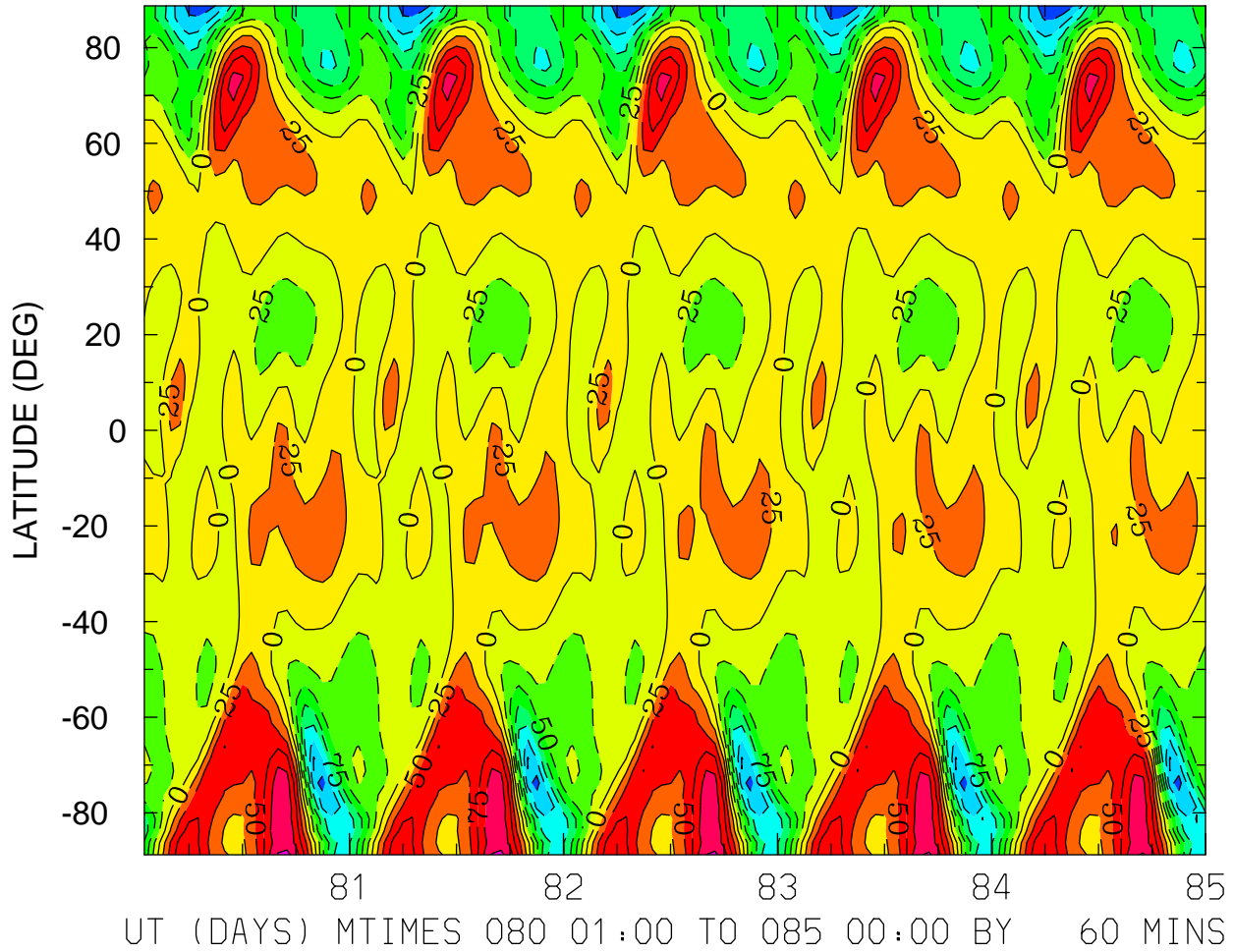
MIN,MAX= -4.1420E+02 1.2576E+02 INTERVAL= 4.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

NEUTRAL ZONAL WIND (M/S)  
ZP = 4.000 ZONAL MEANS



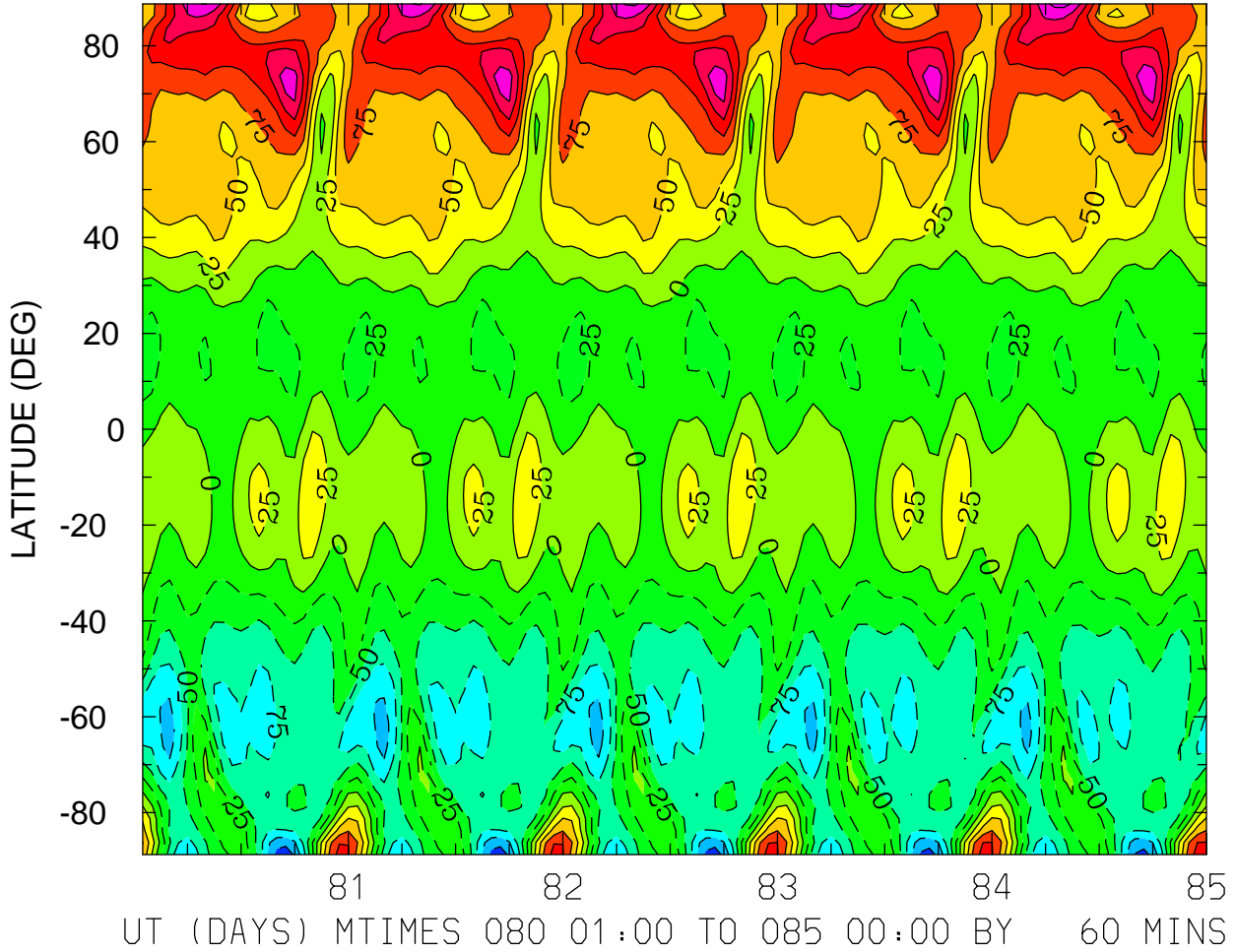
MIN,MAX= -3.4163E+02 2.0345E+02 INTERVAL= 4.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

NEUTRAL MERIDIONAL WIND (M/S)  
ZP = -4.000 LOCAL TIME = 0.00



MIN,MAX= -1.7099E+02 1.3176E+02 INTERVAL= 2.5000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

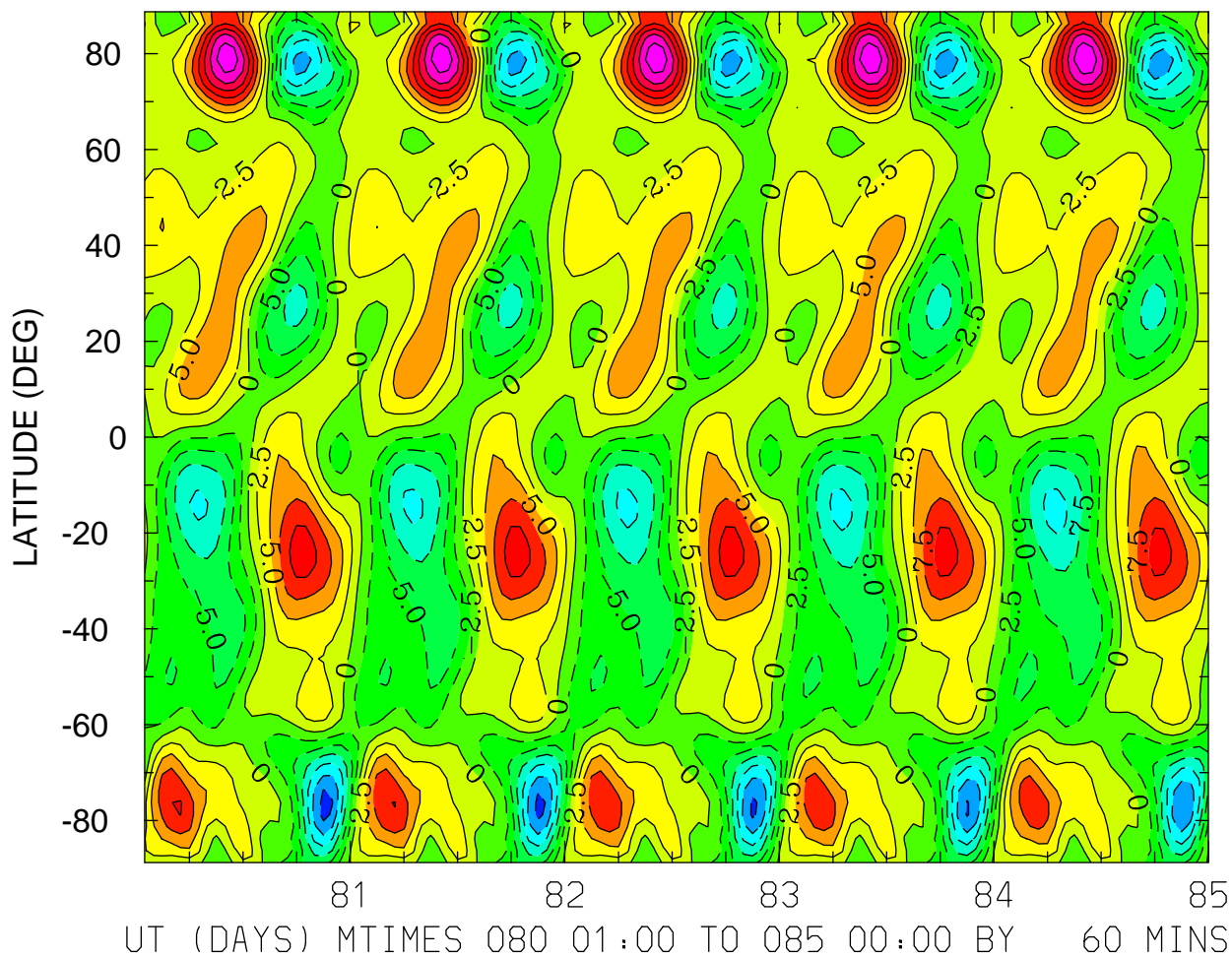
NEUTRAL MERIDIONAL WIND (M/S)  
ZP = -4.000 LOCAL TIME = 12.00



MIN,MAX= -1.3861E+02 1.8391E+02 INTERVAL= 2.5000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

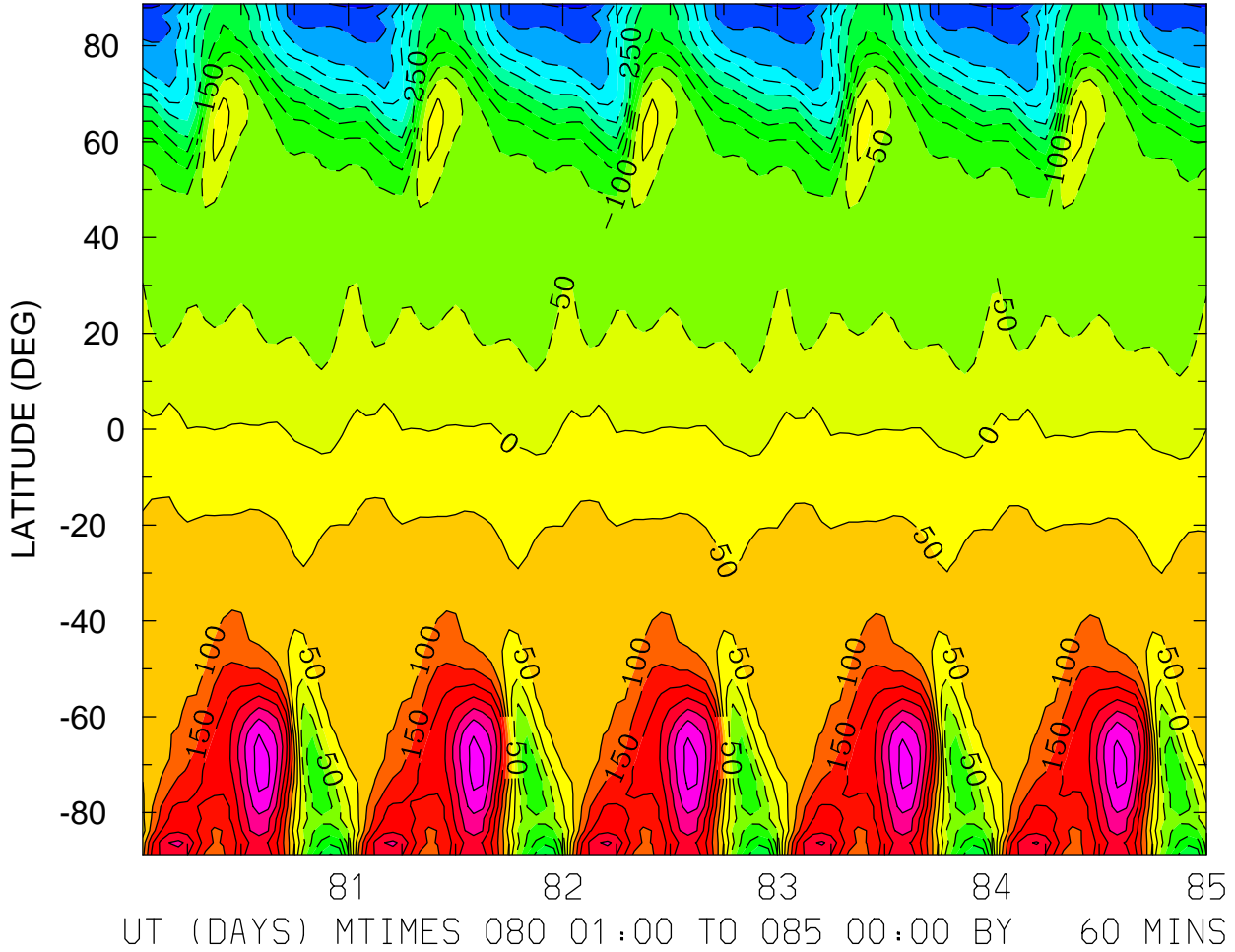


NEUTRAL MERIDIONAL WIND (M/S)  
ZP = -4.000 ZONAL MEANS



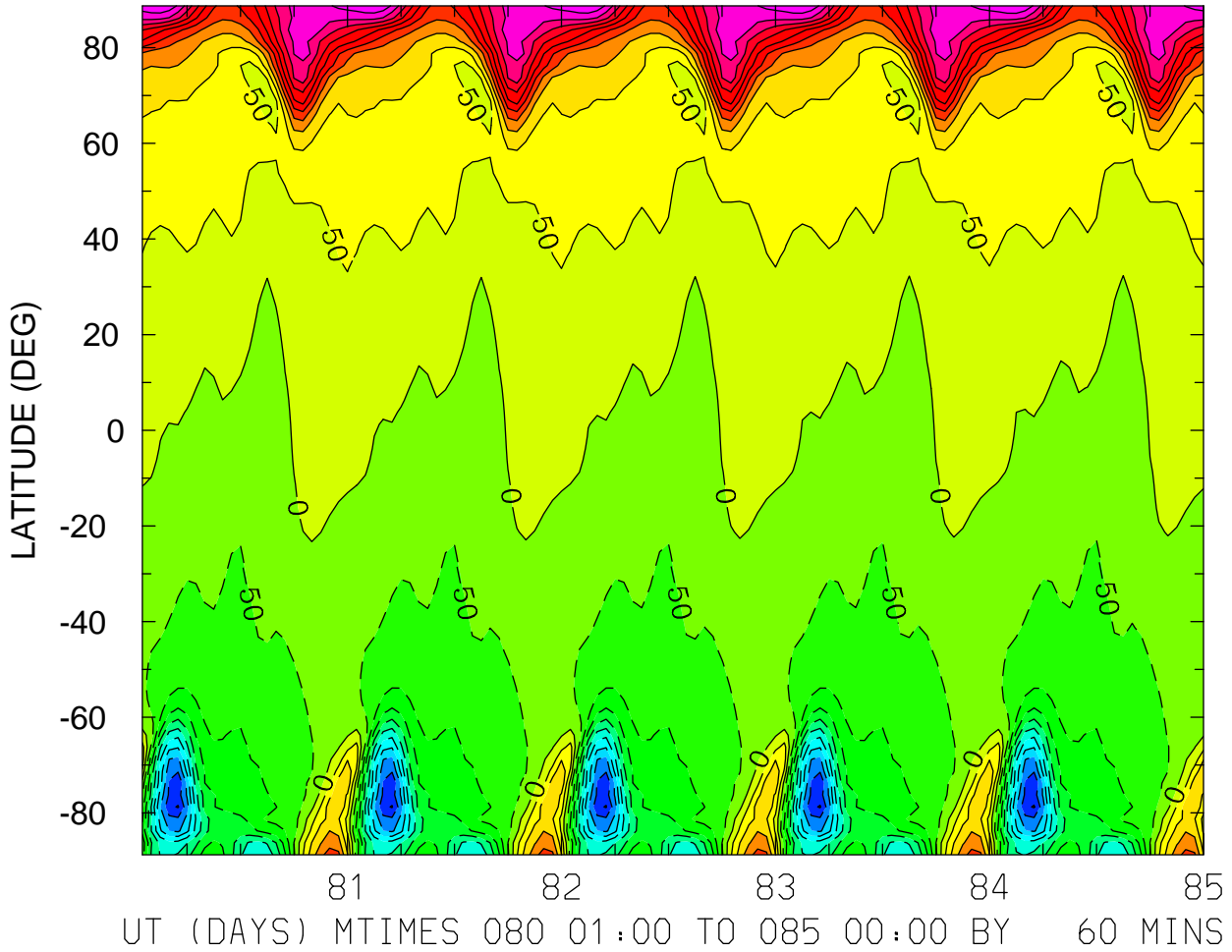
MIN,MAX= -1.5888E+01 1.9530E+01 INTERVAL= 2.5000E+00  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

NEUTRAL MERIDIONAL WIND (M/S)  
ZP = 0.000 LOCAL TIME = 0.00



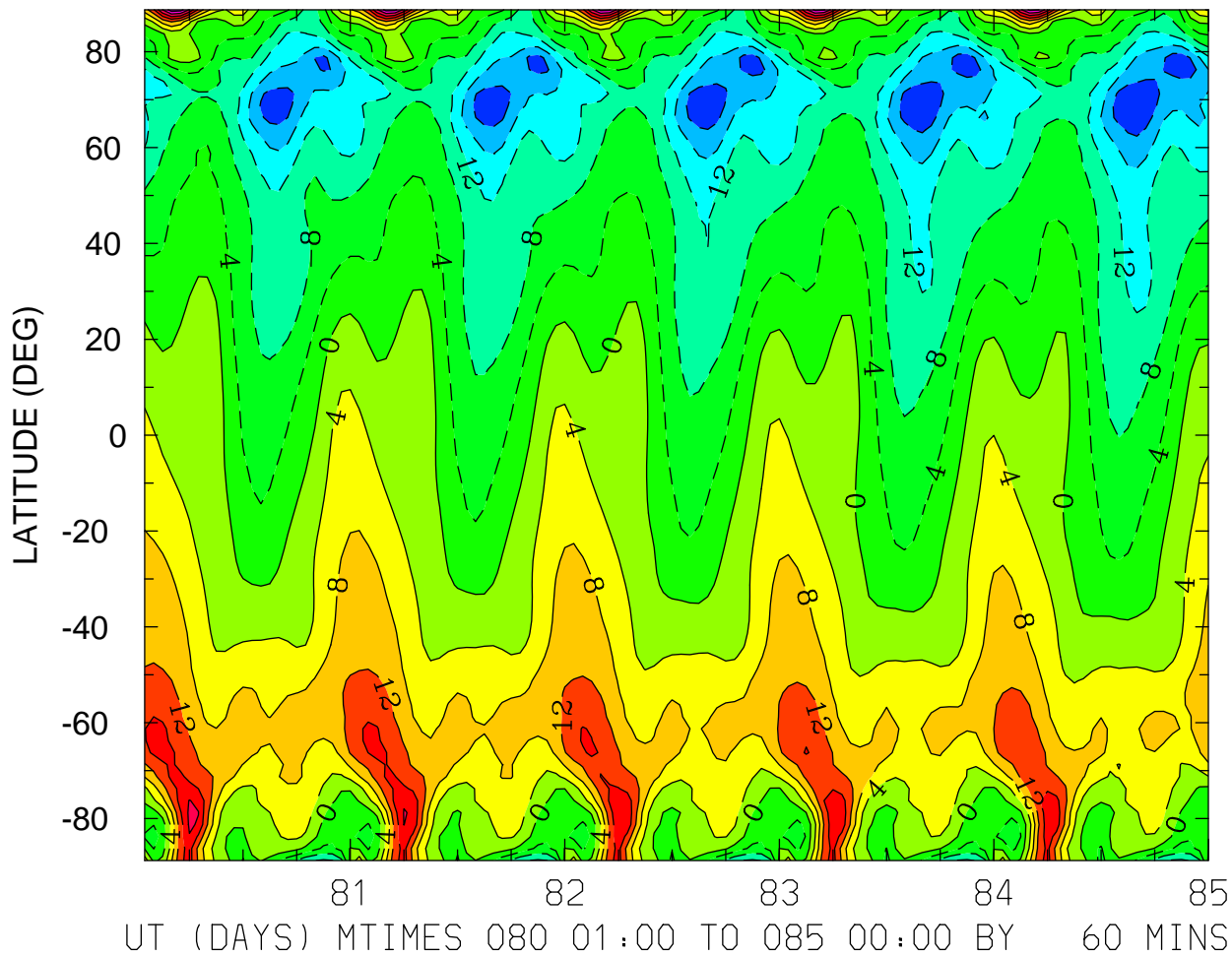
MIN,MAX= -5.2020E+02 4.2438E+02 INTERVAL= 5.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

NEUTRAL MERIDIONAL WIND (M/S)  
ZP = 0.000 LOCAL TIME = 12.00



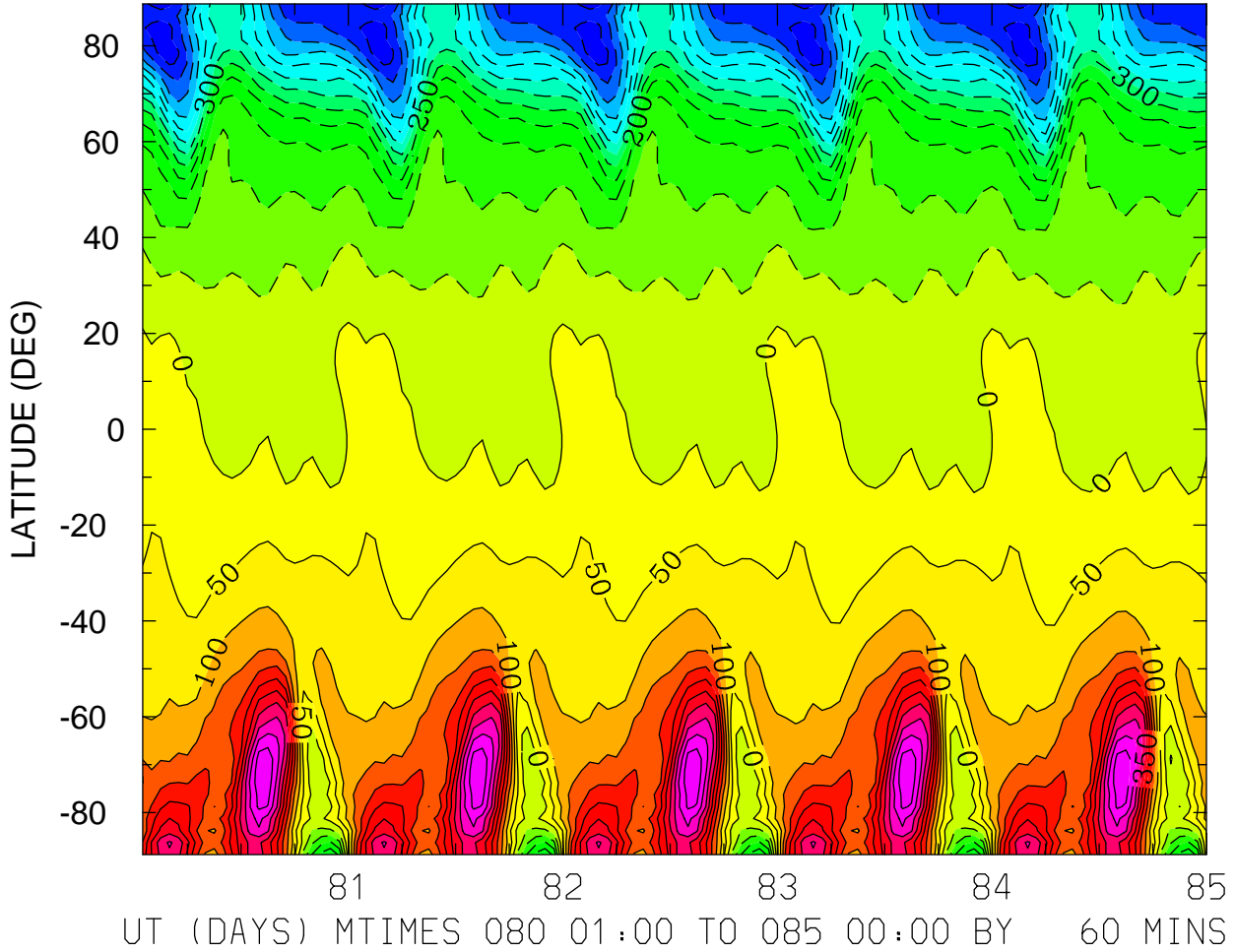
MIN,MAX= -5.0481E+02 5.5018E+02 INTERVAL= 5.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

NEUTRAL MERIDIONAL WIND (M/S)  
ZP = 0.000 ZONAL MEANS



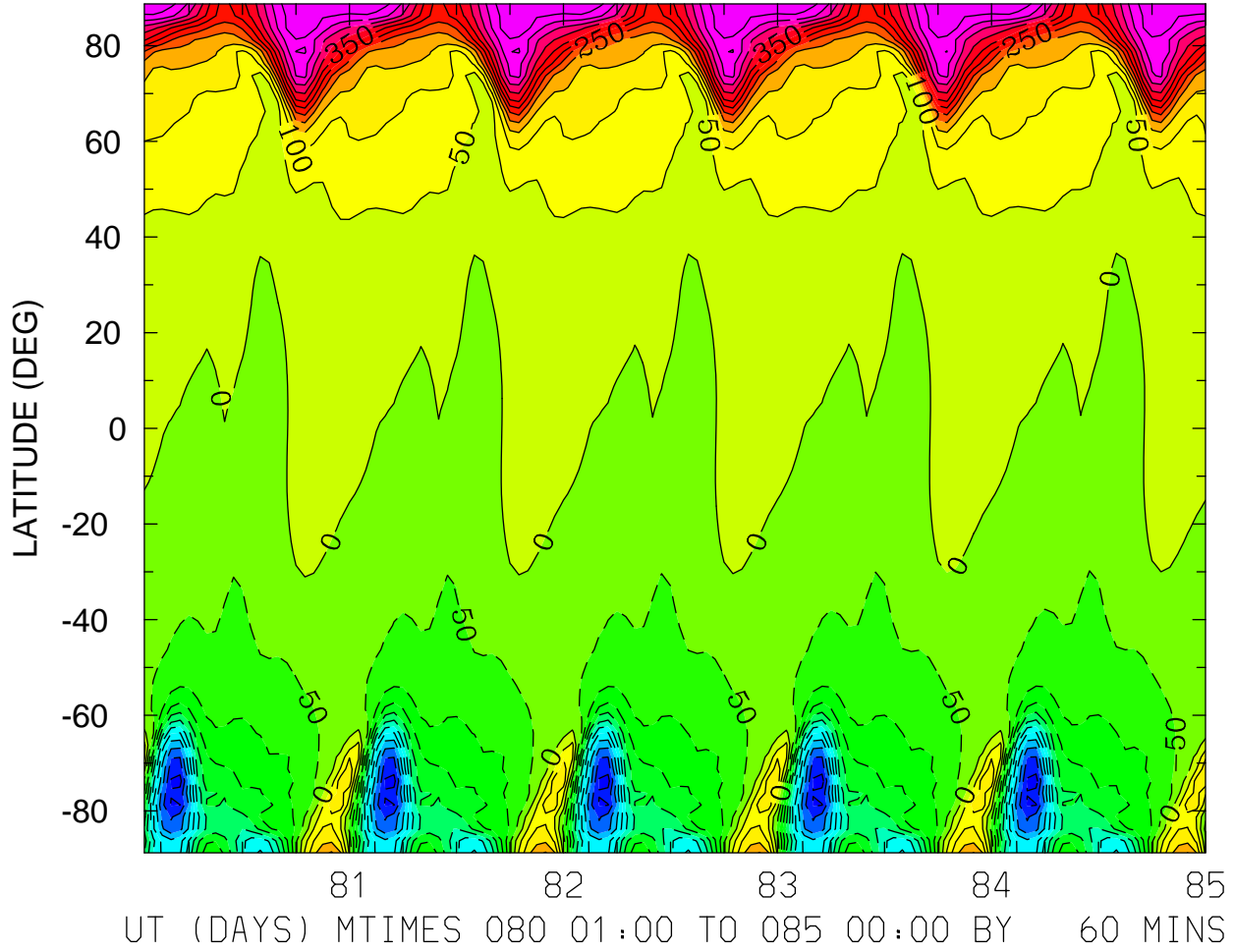
MIN,MAX= -2.3956E+01 3.0321E+01 INTERVAL= 4.0000E+00  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

NEUTRAL MERIDIONAL WIND (M/S)  
ZP = 4.000 LOCAL TIME = 0.00



MIN,MAX= -6.3106E+02 5.4068E+02 INTERVAL= 5.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

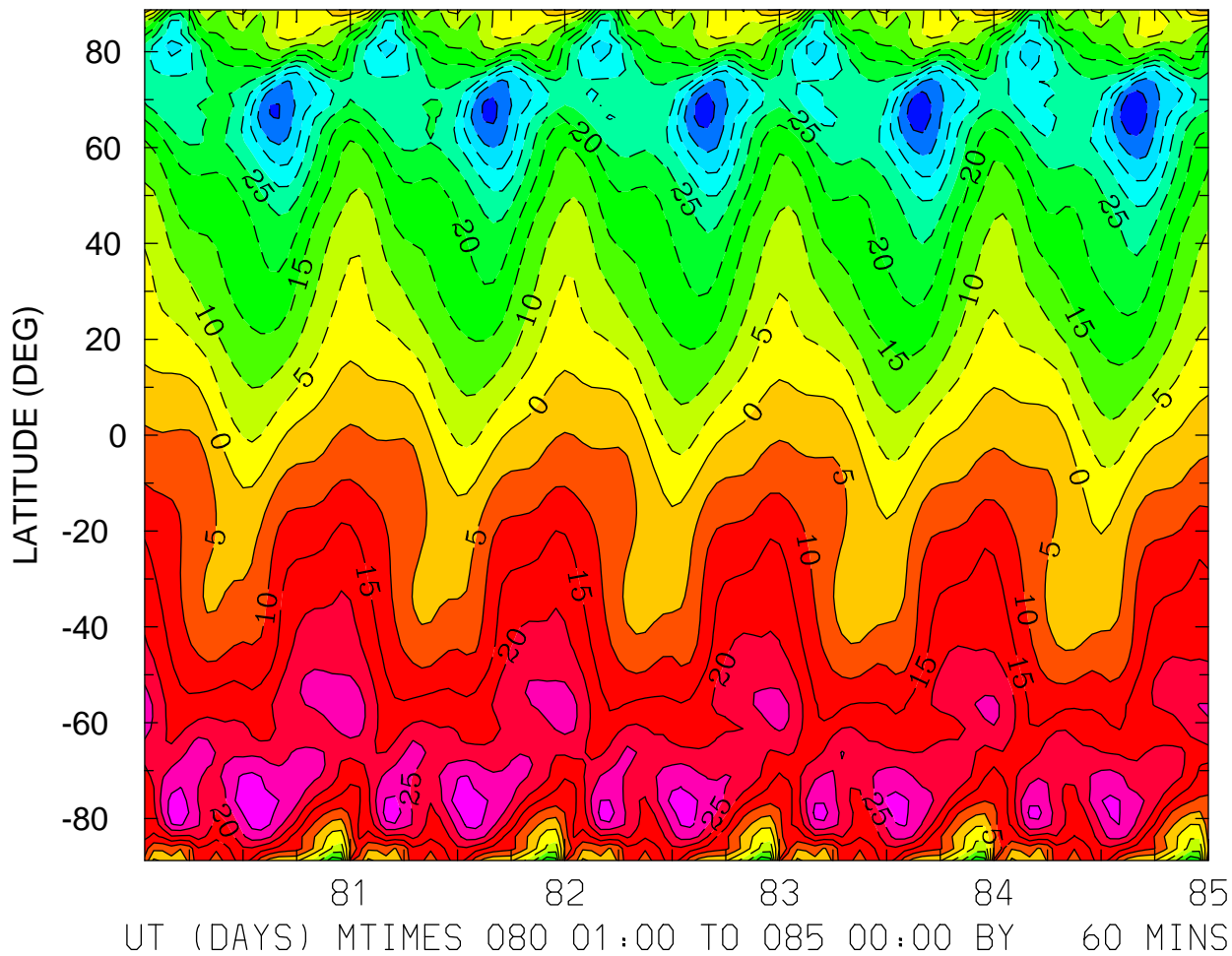
NEUTRAL MERIDIONAL WIND (M/S)  
ZP = 4.000 LOCAL TIME = 12.00



MIN,MAX= -5.7269E+02 5.9470E+02 INTERVAL= 5.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

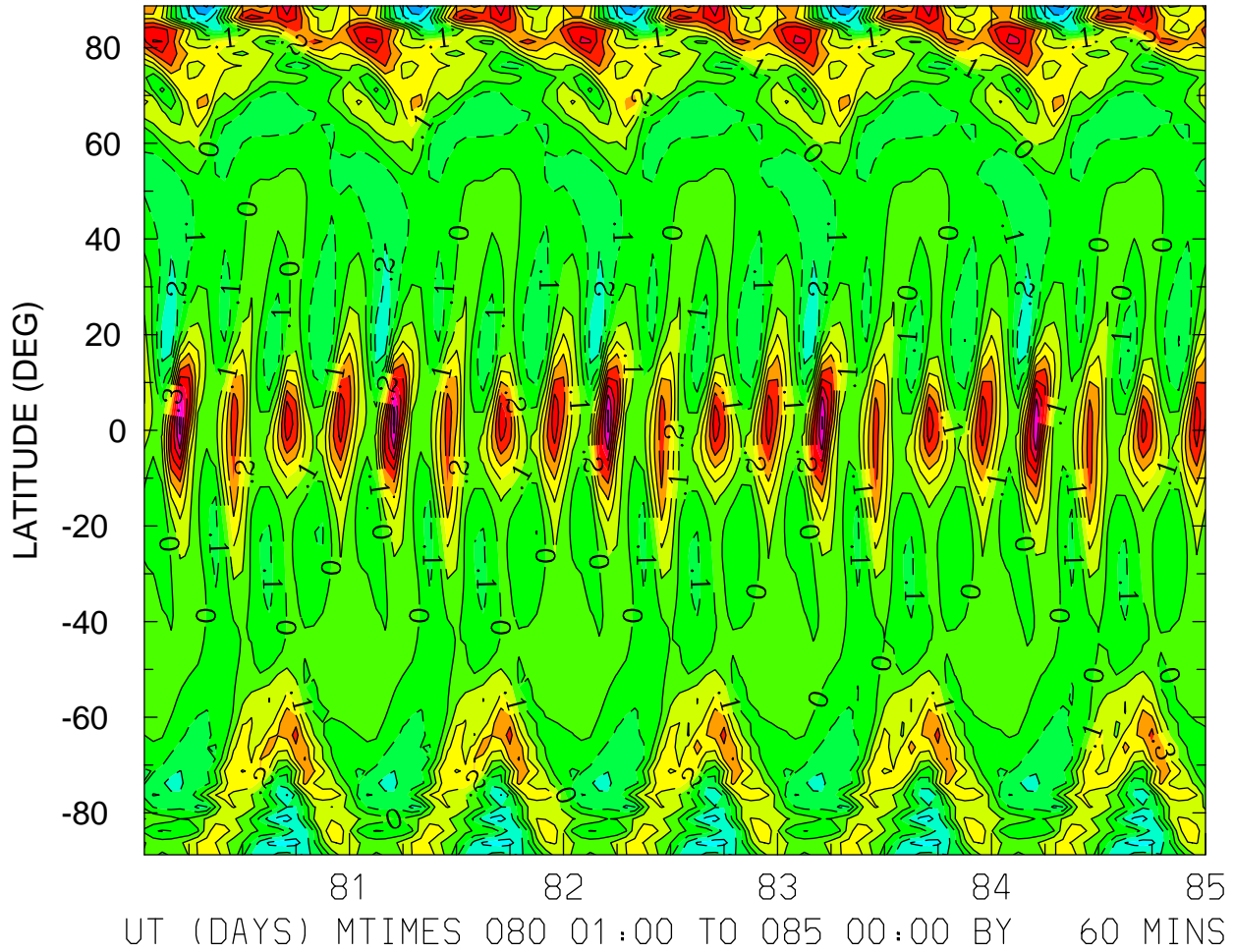


NEUTRAL MERIDIONAL WIND (M/S)  
ZP = 4.000 ZONAL MEANS



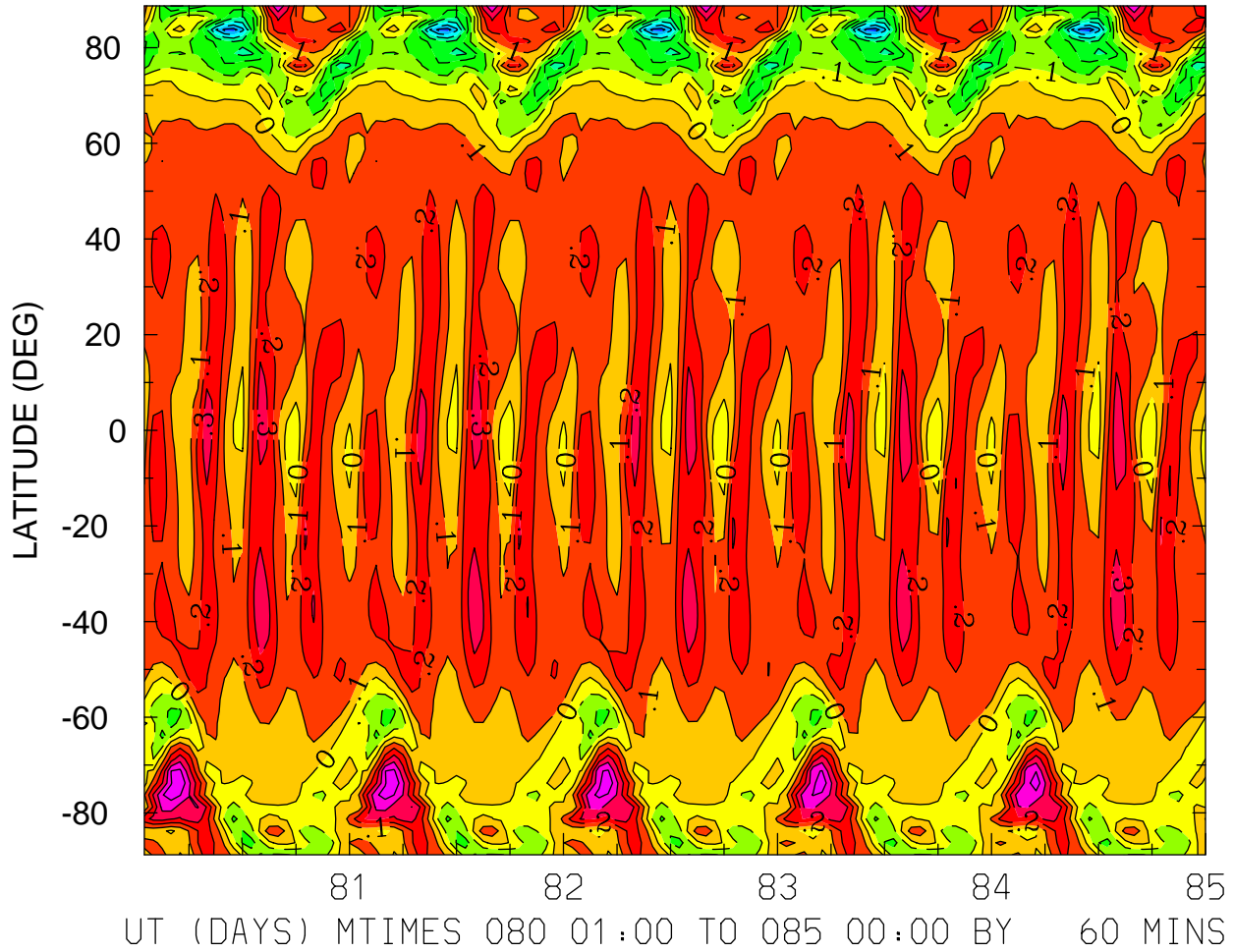
MIN,MAX= -4.8100E+01 3.4800E+01 INTERVAL= 5.0000E+00  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

NEUTRAL VERTICAL WIND (PLUS UP) (M/S)  
ZP = -4.000 LOCAL TIME = 0.00



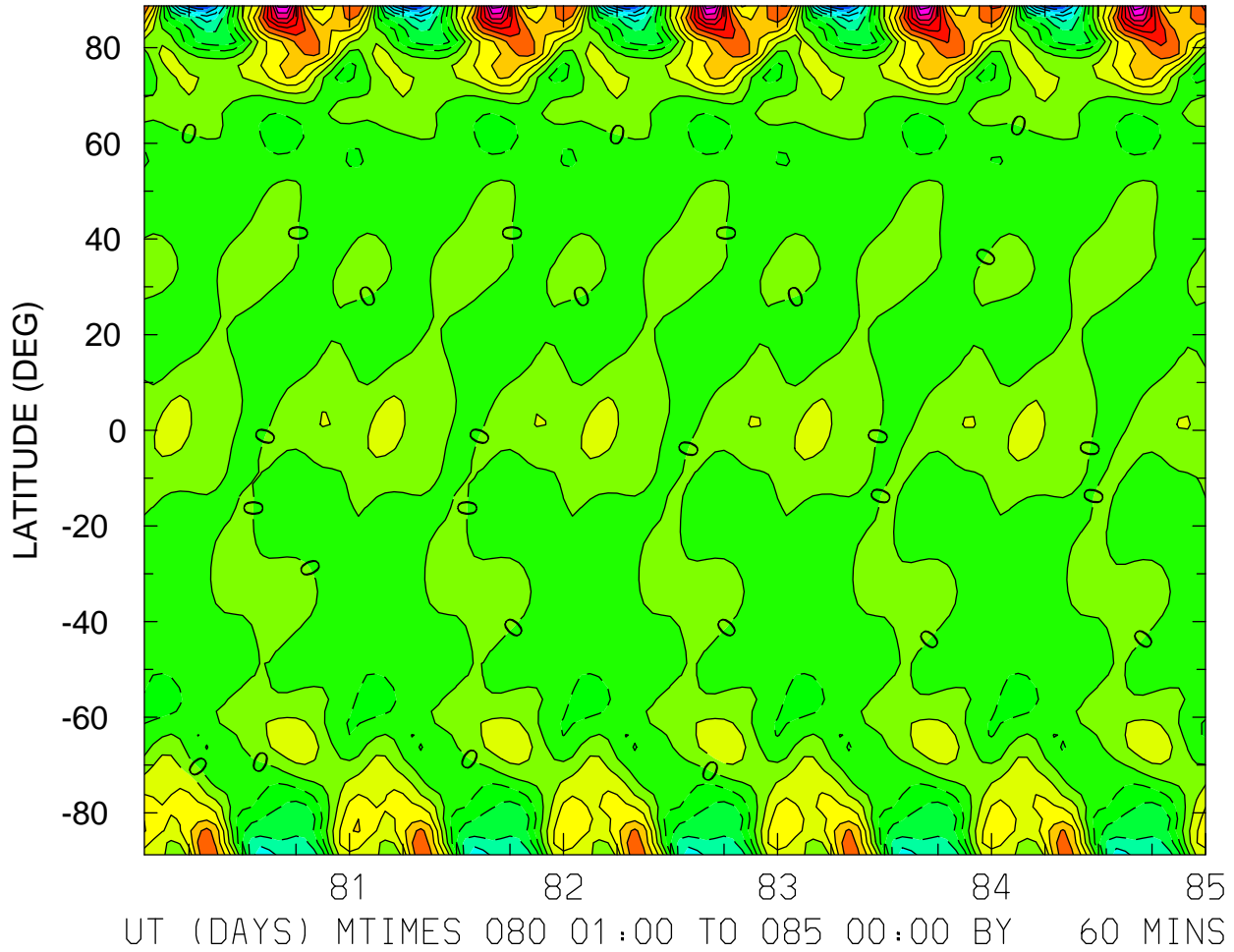
MIN,MAX= -5.1903E-01 8.3489E-01 INTERVAL= 1.0000E-01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

NEUTRAL VERTICAL WIND (PLUS UP) (M/S)  
ZP = -4.000 LOCAL TIME = 12.00



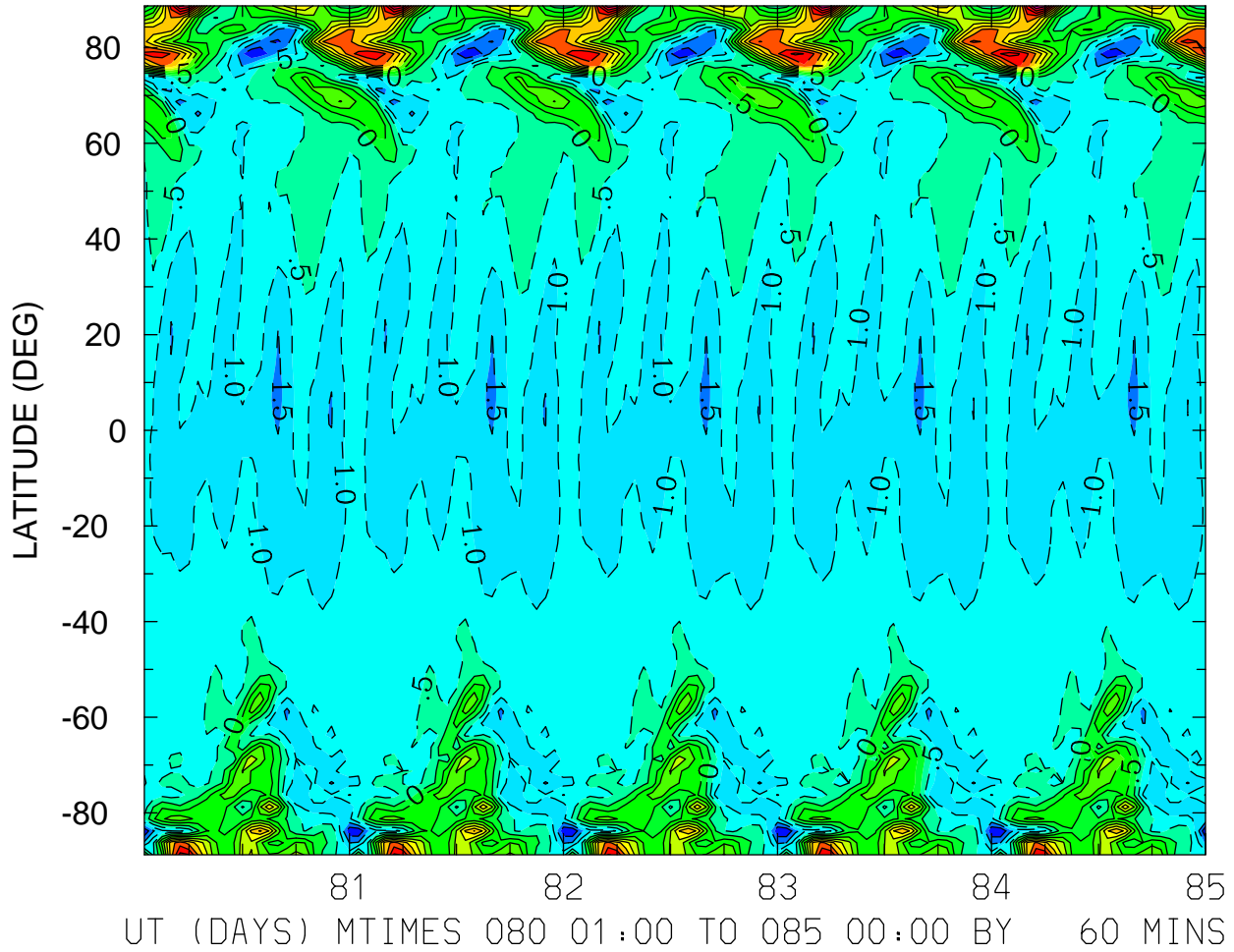
MIN,MAX= -7.5068E-01 5.9866E-01 INTERVAL= 1.0000E-01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

NEUTRAL VERTICAL WIND (PLUS UP) (M/S)  
ZP = -4.000 ZONAL MEANS



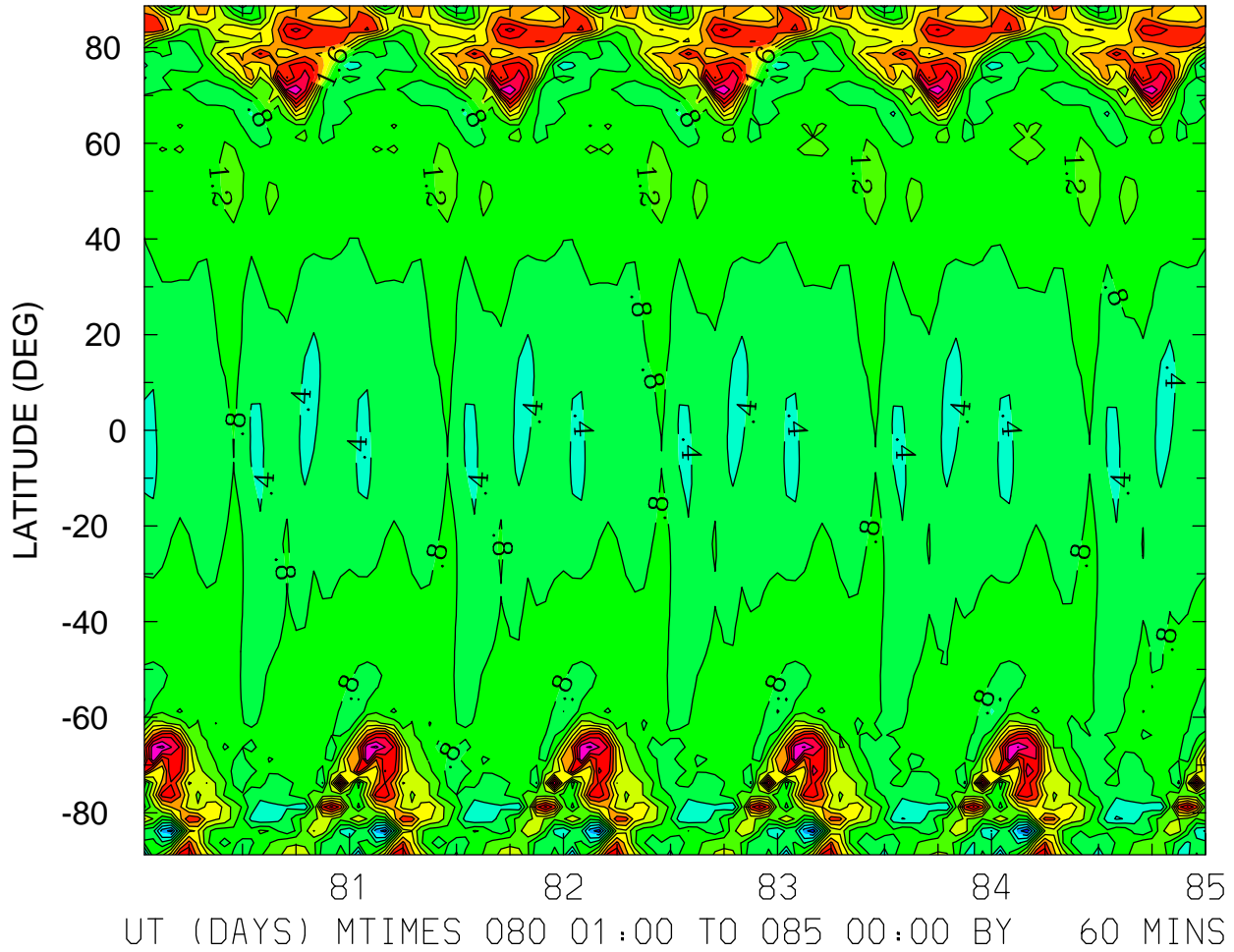
MIN,MAX= -4.1085E-01 5.3385E-01 INTERVAL= 5.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

NEUTRAL VERTICAL WIND (PLUS UP) (M/S)  
ZP = 0.000 LOCAL TIME = 0.00



MIN,MAX= -2.4987E+00 5.5681E+00 INTERVAL= 5.0000E-01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

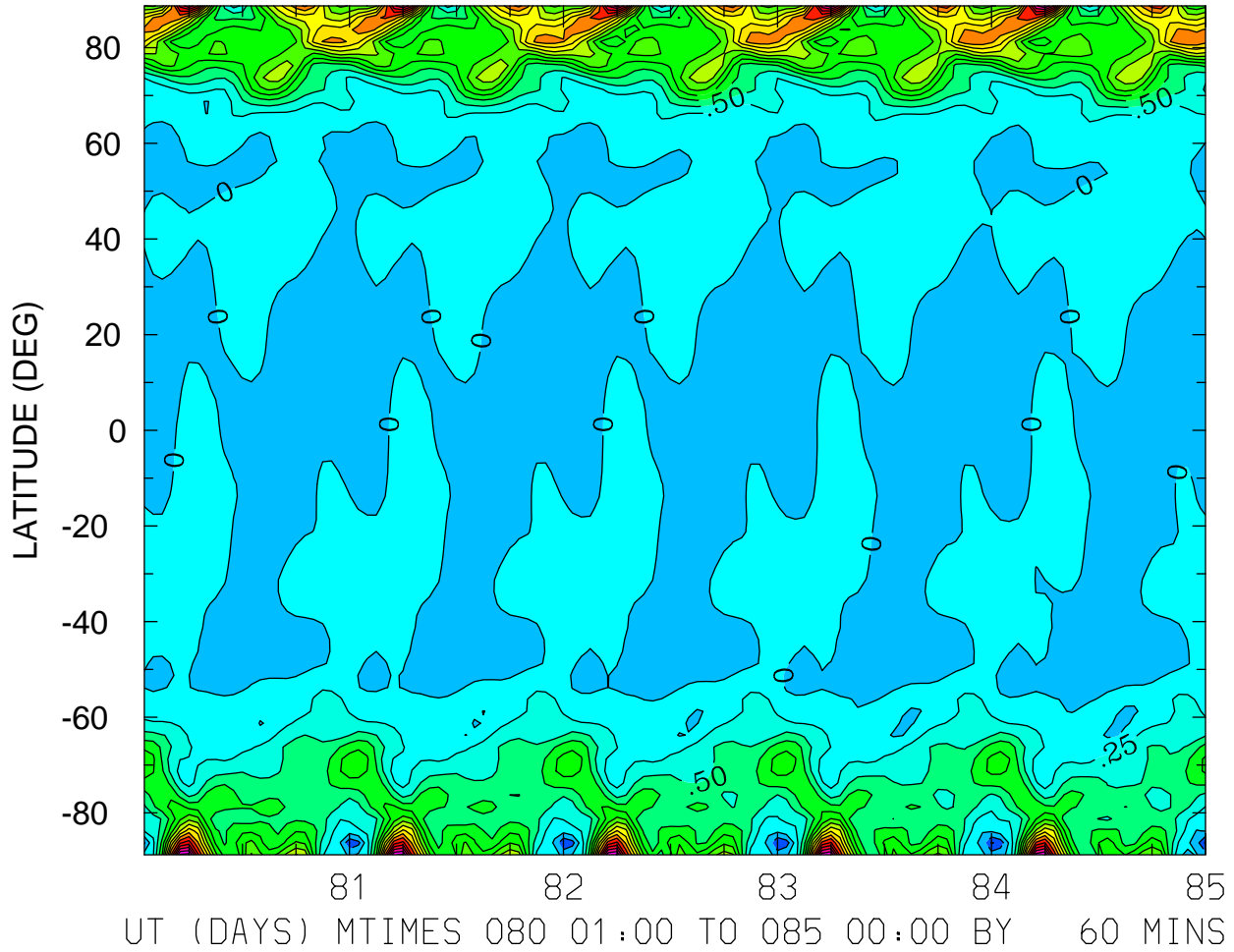
NEUTRAL VERTICAL WIND (PLUS UP) (M/S)  
ZP = 0.000 LOCAL TIME = 12.00



MIN,MAX= -1.0896E+00 4.5225E+00 INTERVAL= 4.0000E-01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

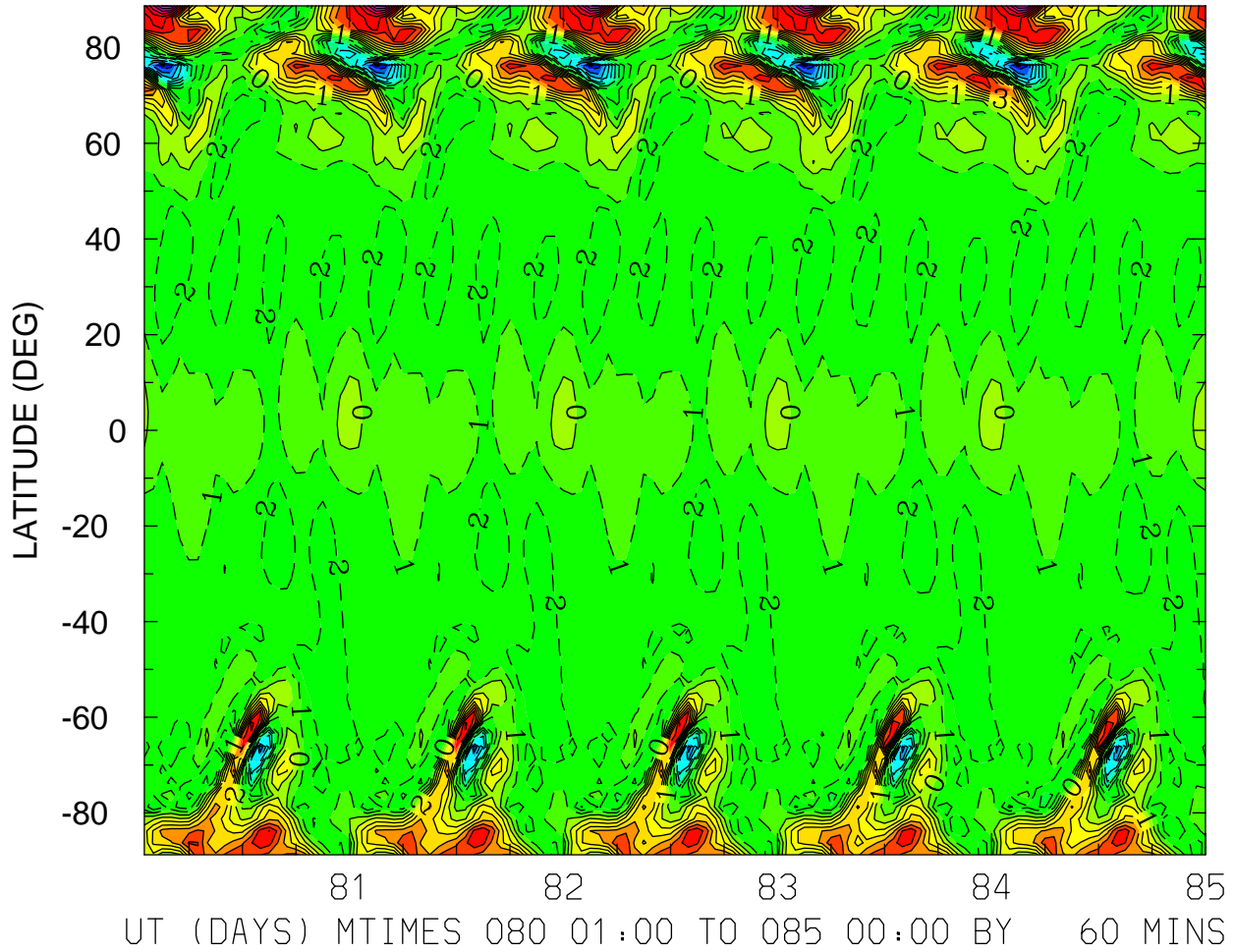


NEUTRAL VERTICAL WIND (PLUS UP) (M/S)  
ZP = 0.000 ZONAL MEANS



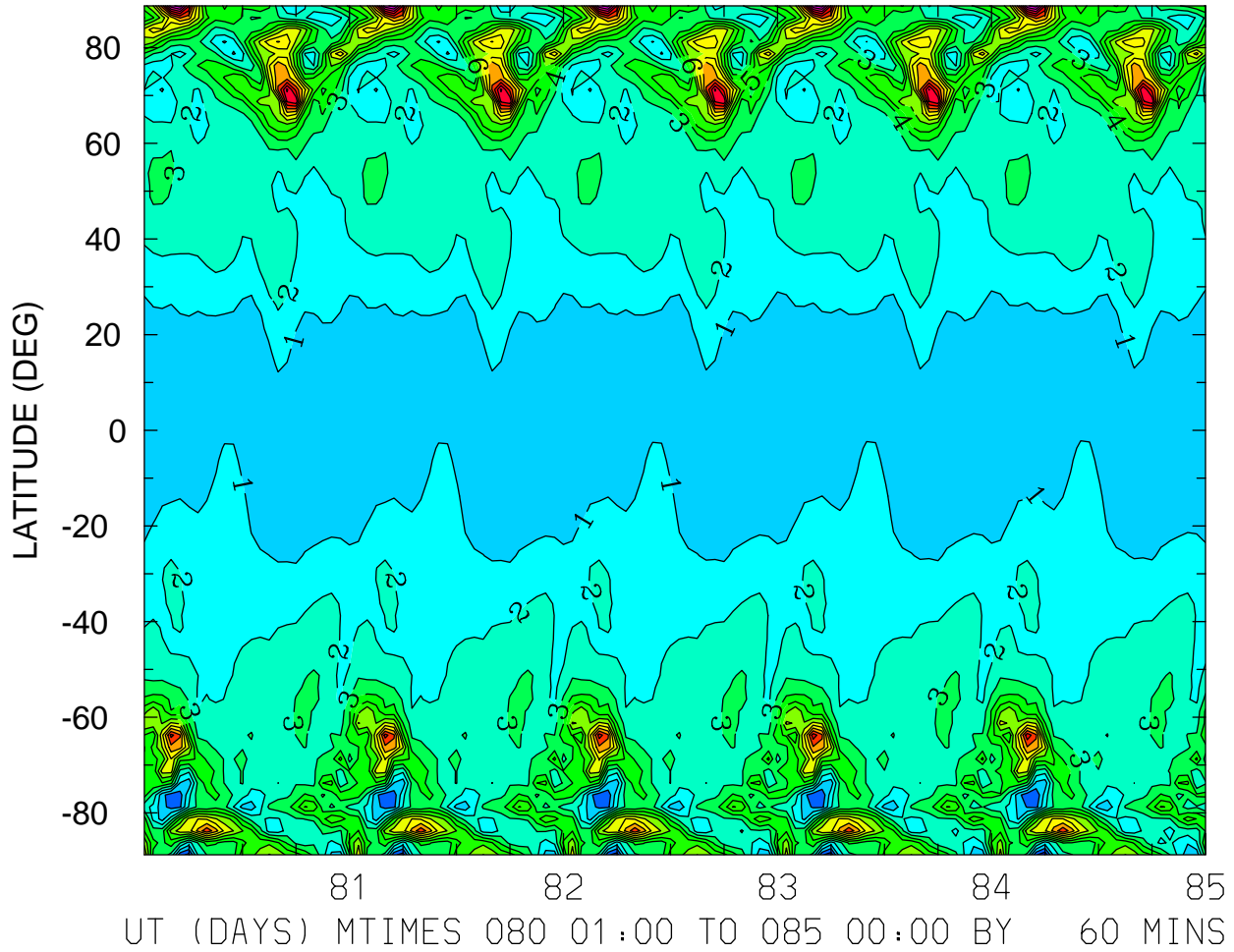
MIN,MAX= -5.5221E-01 3.8277E+00 INTERVAL= 2.5000E-01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

NEUTRAL VERTICAL WIND (PLUS UP) (M/S)  
ZP = 4.000 LOCAL TIME = 0.00



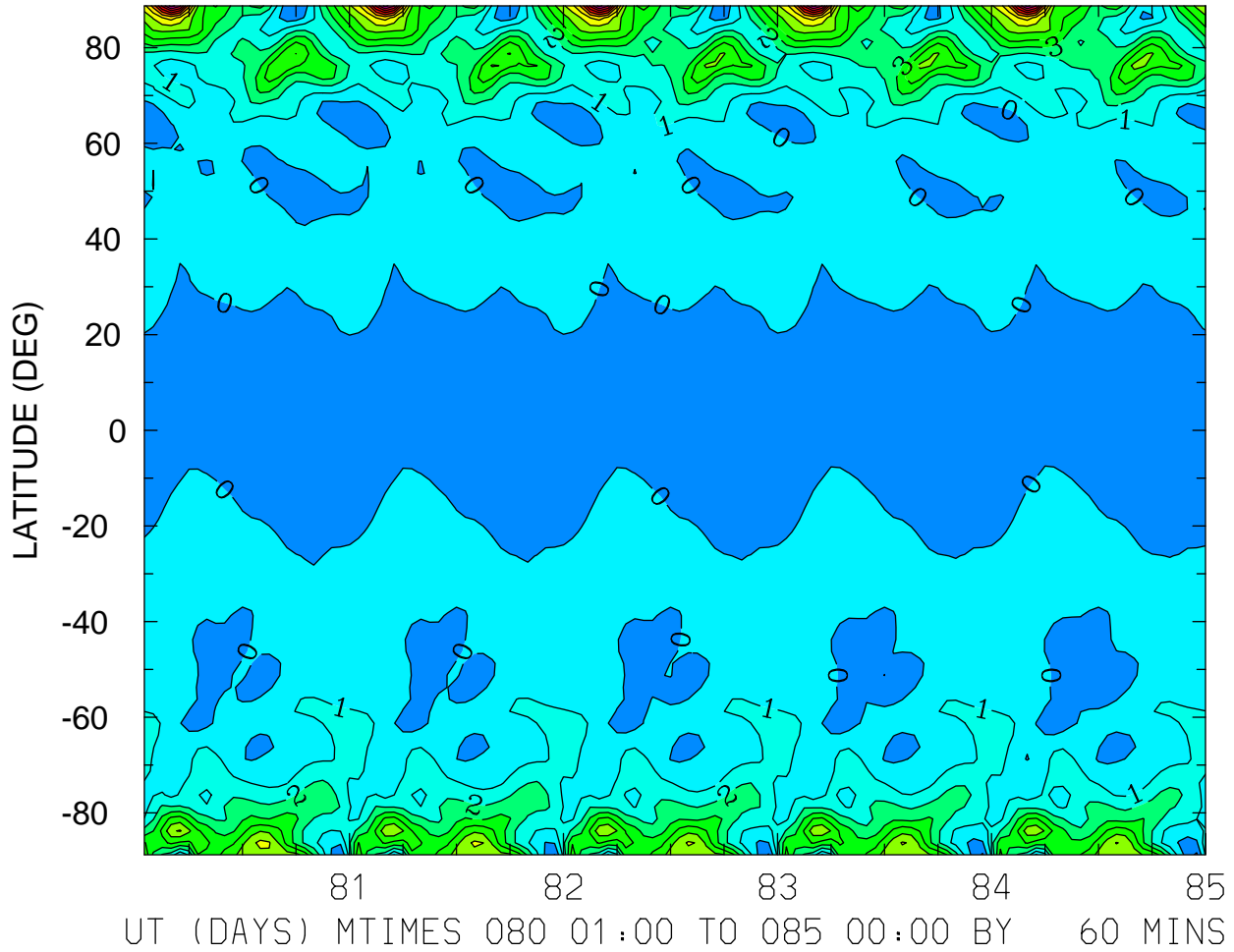
MIN,MAX= -1.1328E+01 1.2300E+01 INTERVAL= 1.0000E+00  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

NEUTRAL VERTICAL WIND (PLUS UP) (M/S)  
ZP = 4.000 LOCAL TIME = 12.00



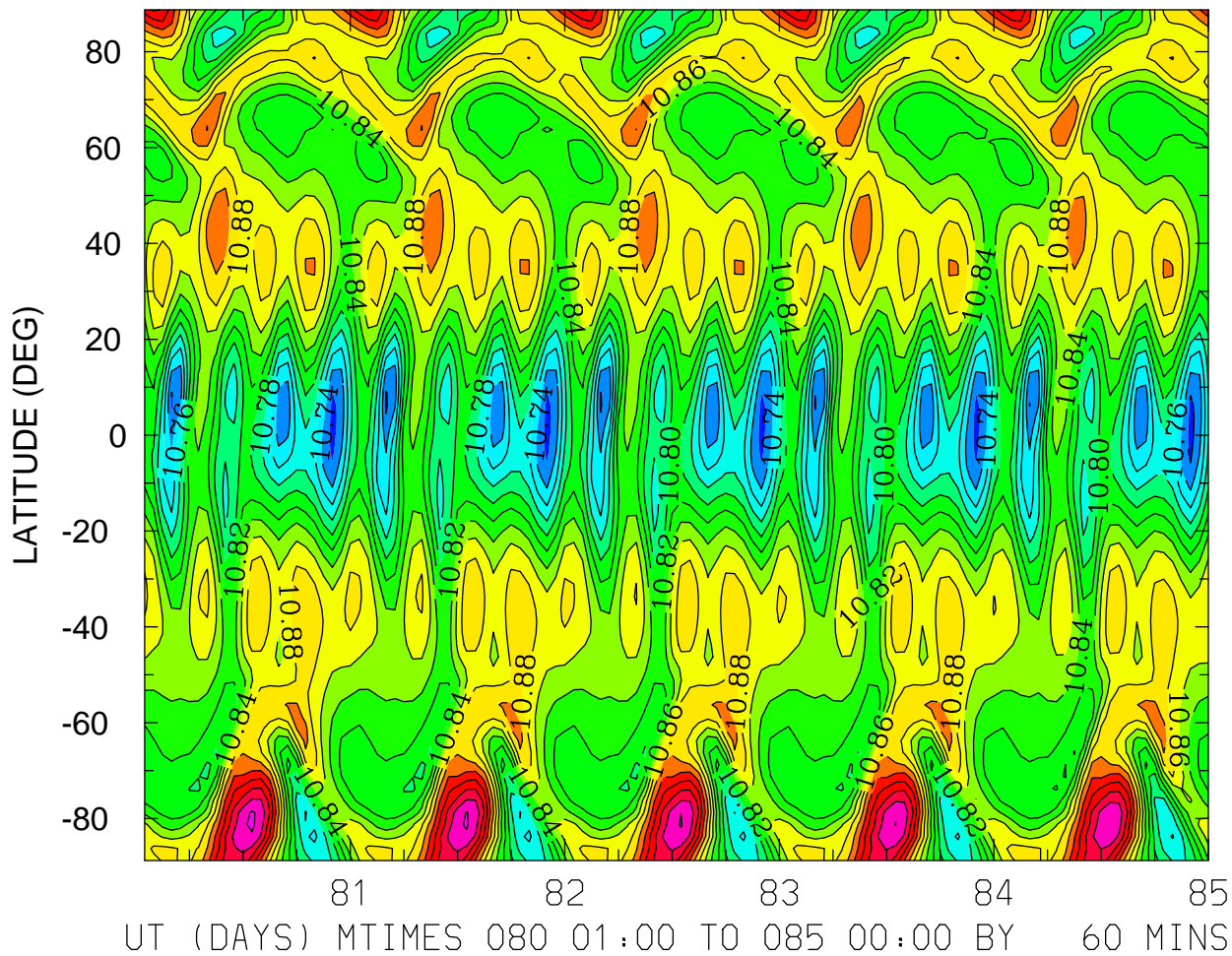
MIN,MAX= -1.7364E+00 1.5504E+01 INTERVAL= 1.0000E+00  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

NEUTRAL VERTICAL WIND (PLUS UP) (M/S)  
ZP = 4.000 ZONAL MEANS



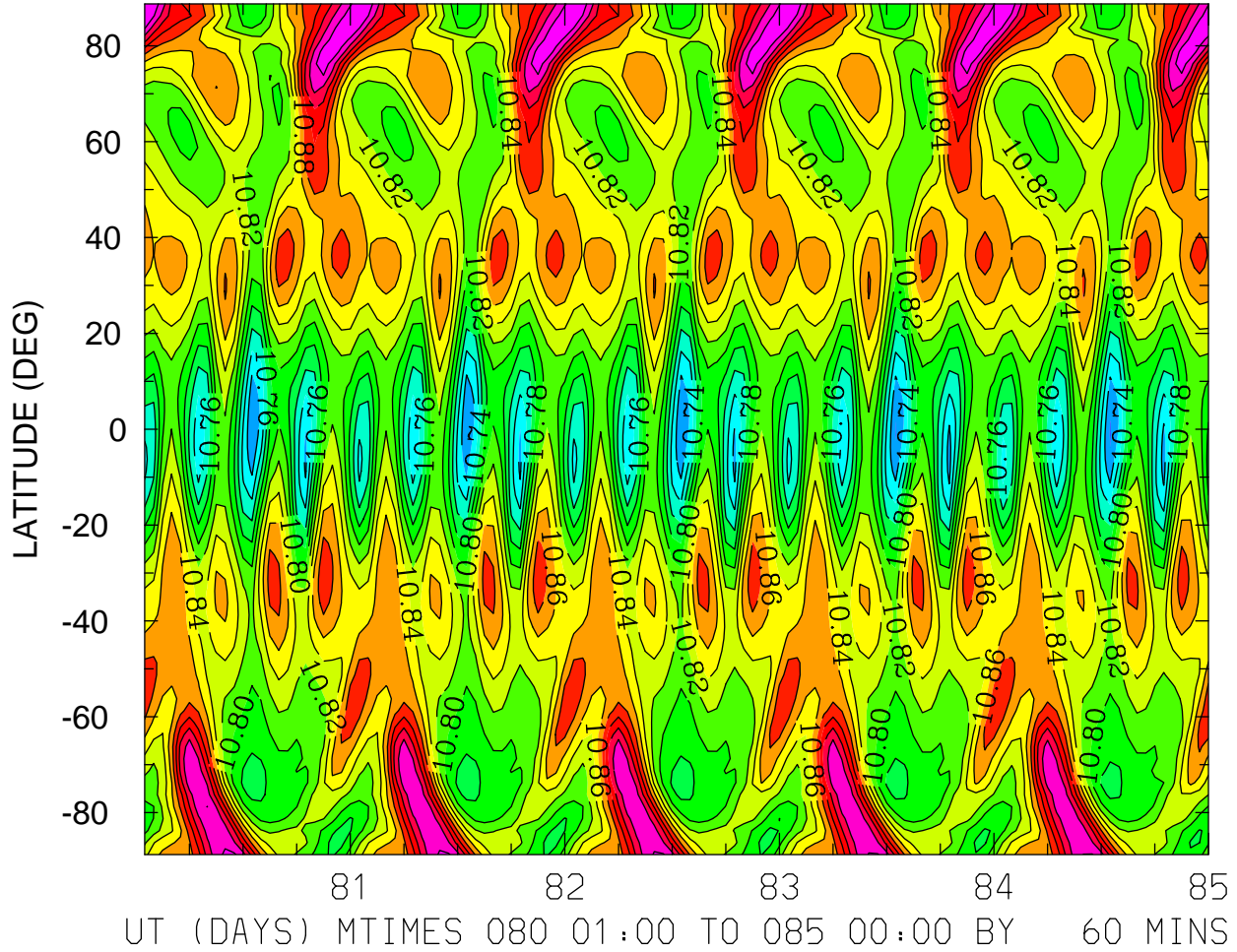
MIN,MAX= -1.1731E+00 1.3460E+01 INTERVAL= 1.0000E+00  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 MOLECULAR OXYGEN (CM3)  
ZP = -4.125 LOCAL TIME = 0.00



MIN,MAX= 1.0712E+01 1.1004E+01 INTERVAL= 2.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

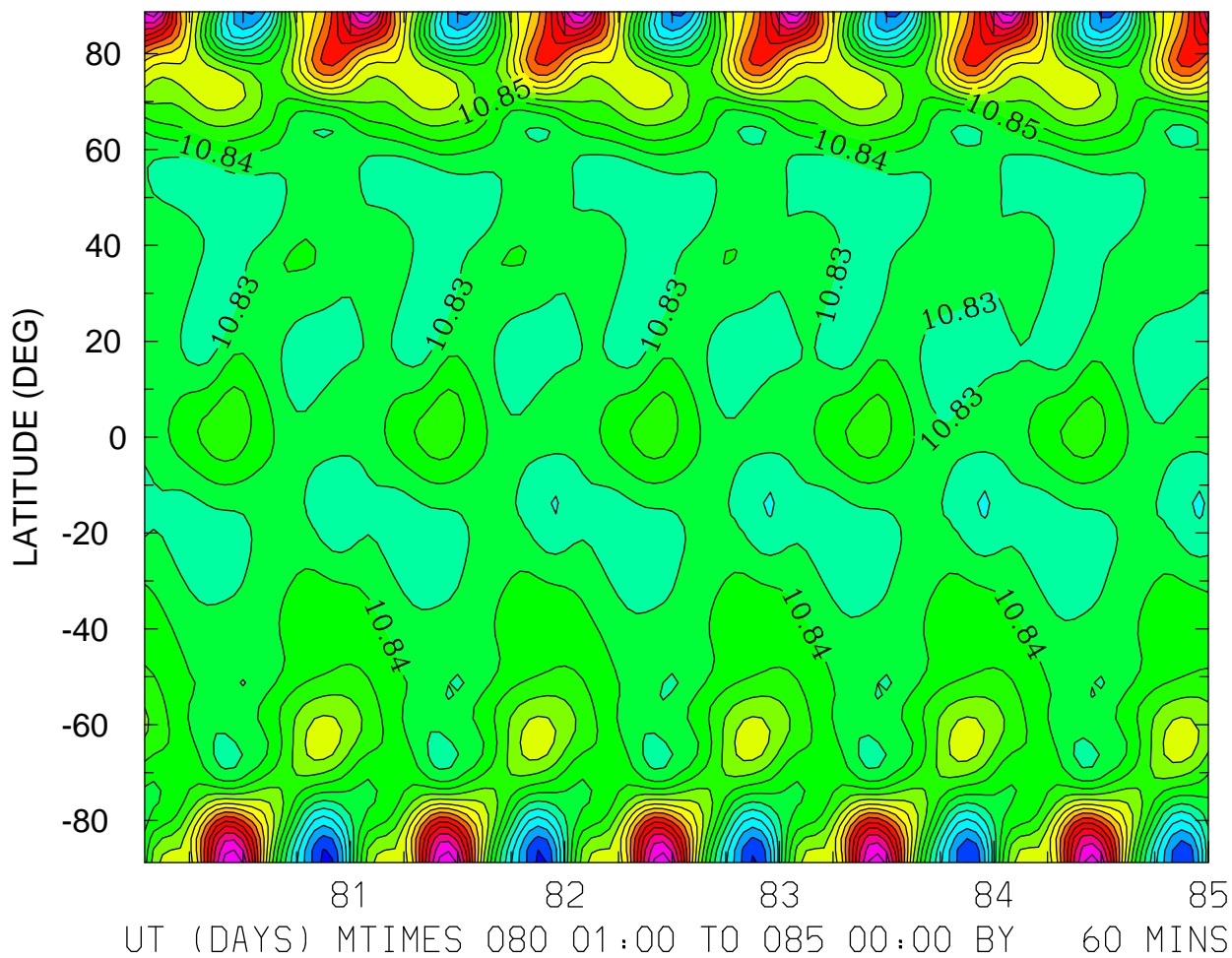
LOG10 MOLECULAR OXYGEN (CM3)  
ZP = -4.125 LOCAL TIME = 12.00



MIN,MAX= 1.0698E+01 1.0977E+01 INTERVAL= 2.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

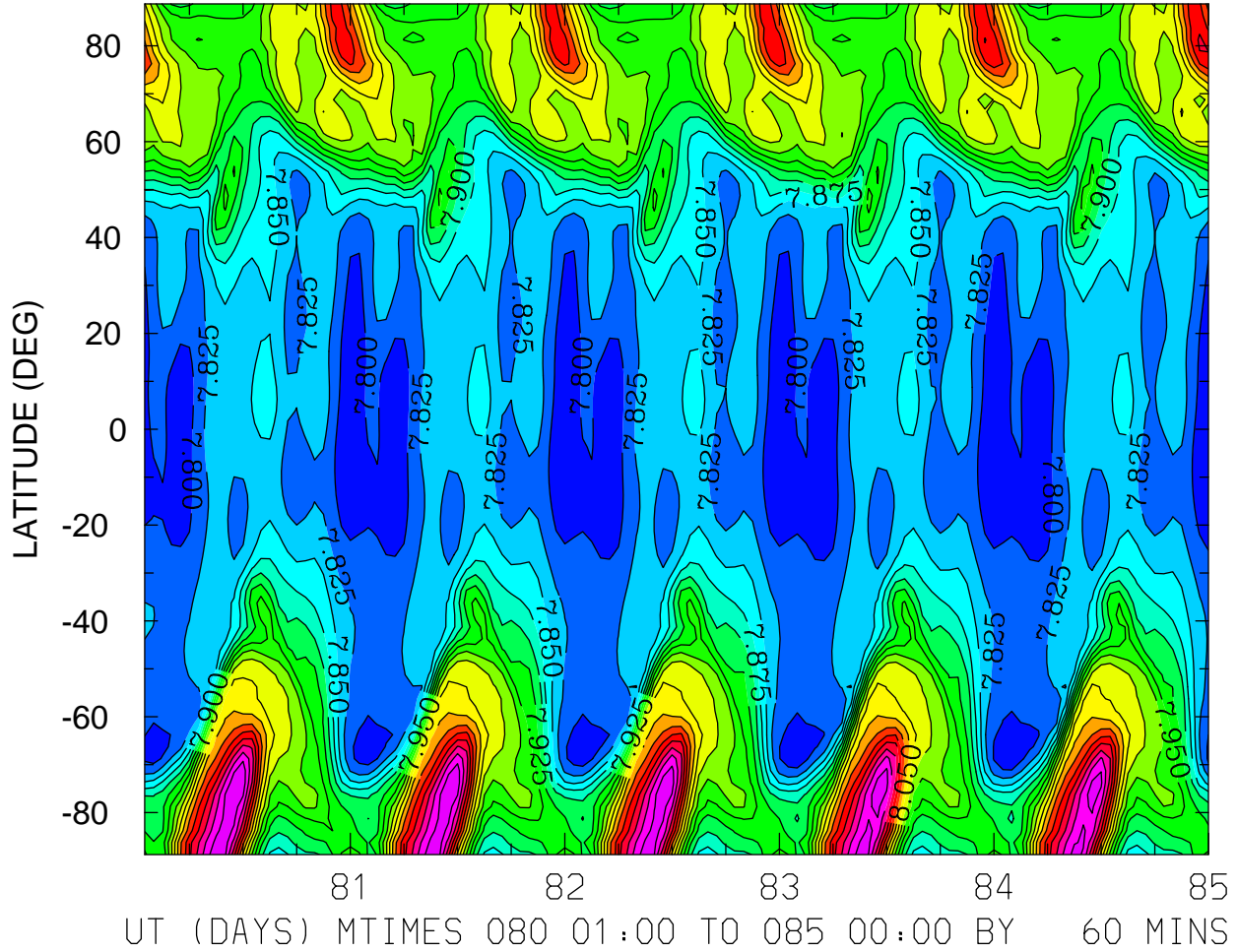


LOG10 MOLECULAR OXYGEN (CM3)  
ZP = -4.125 ZONAL MEANS



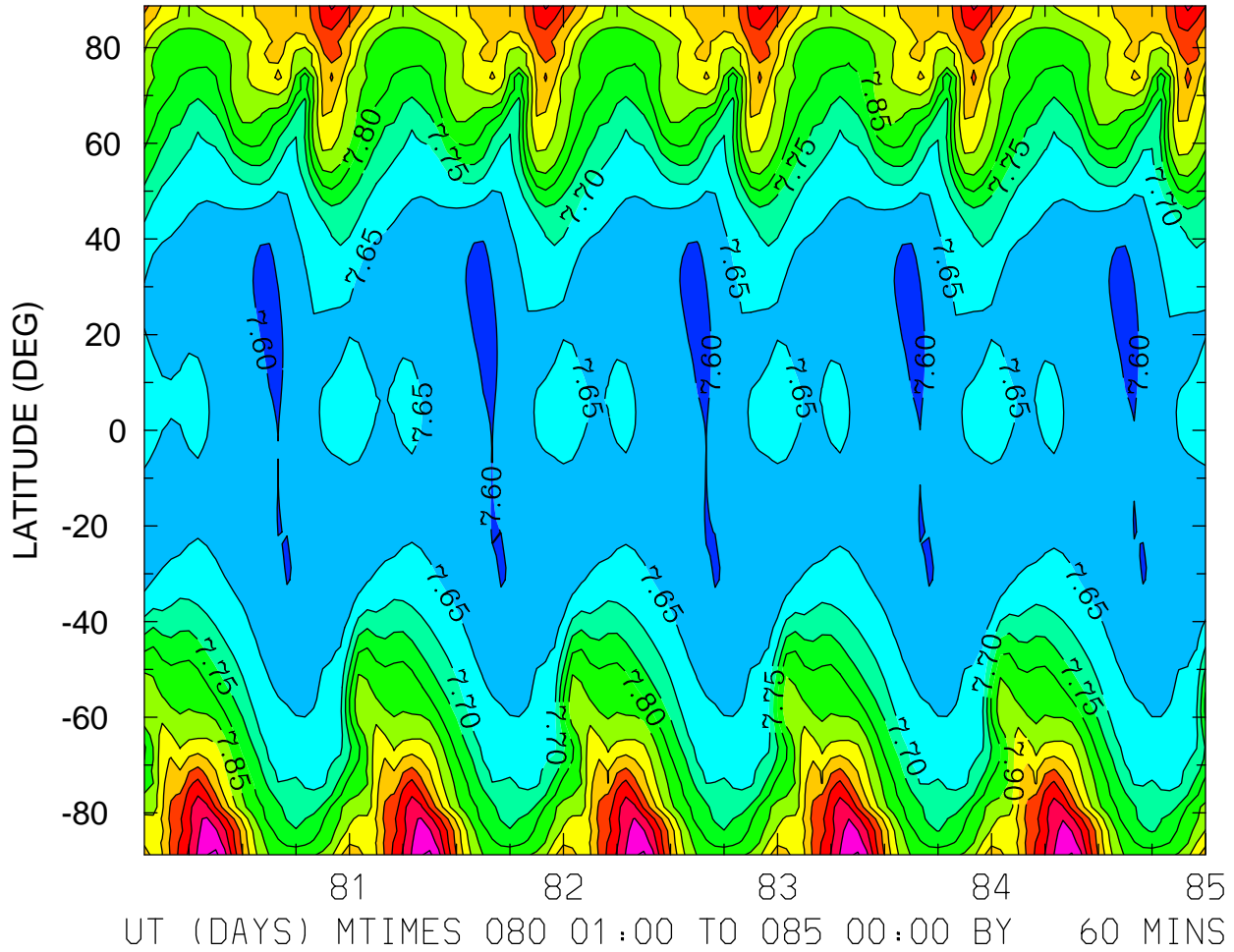
MIN,MAX= 1.0777E+01 1.0969E+01 INTERVAL= 1.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 MOLECULAR OXYGEN (CM3)  
ZP = -0.125 LOCAL TIME = 0.00



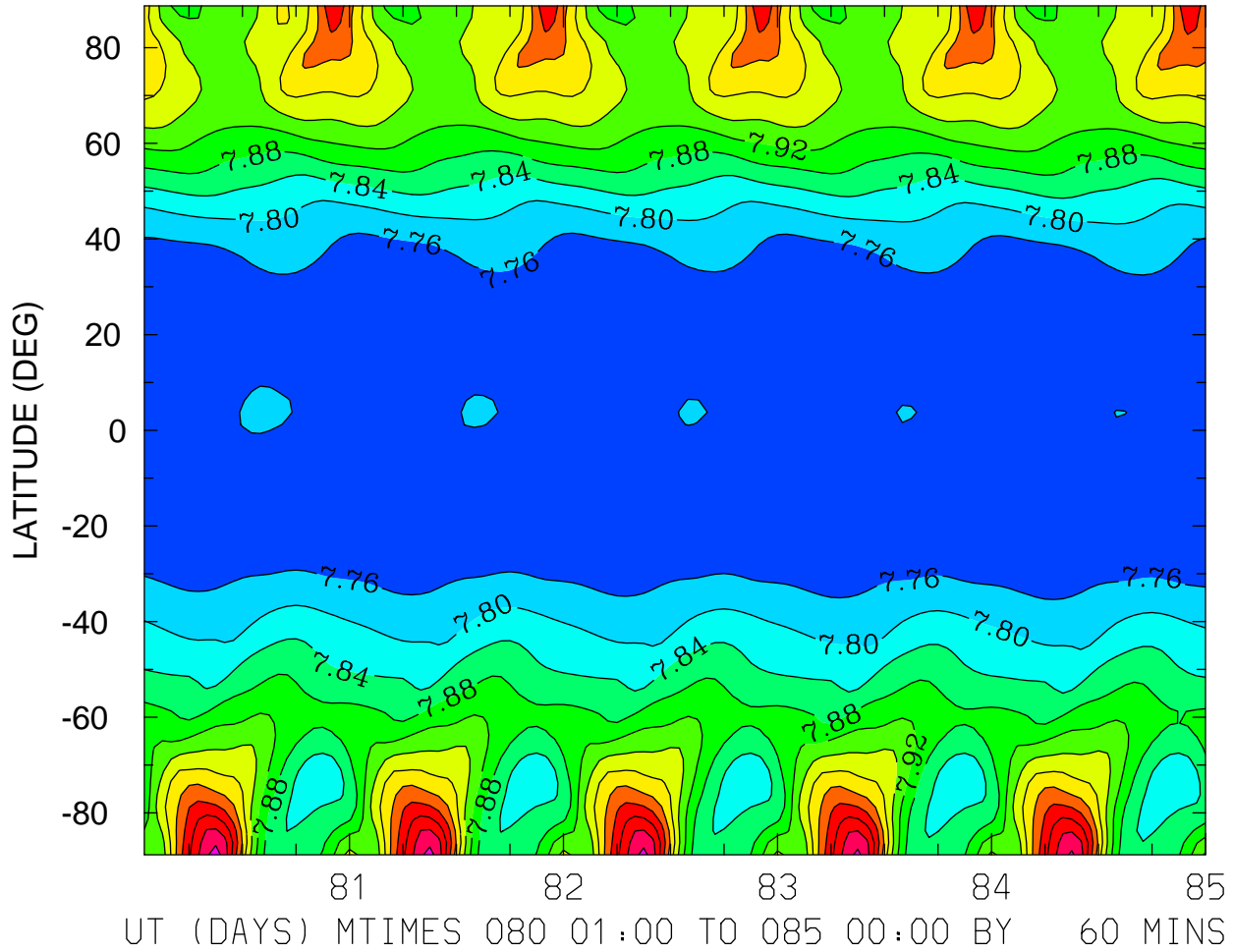
MIN,MAX= 7.7775E+00 8.2246E+00 INTERVAL= 2.5000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 MOLECULAR OXYGEN (CM3)  
ZP = -0.125 LOCAL TIME = 12.00



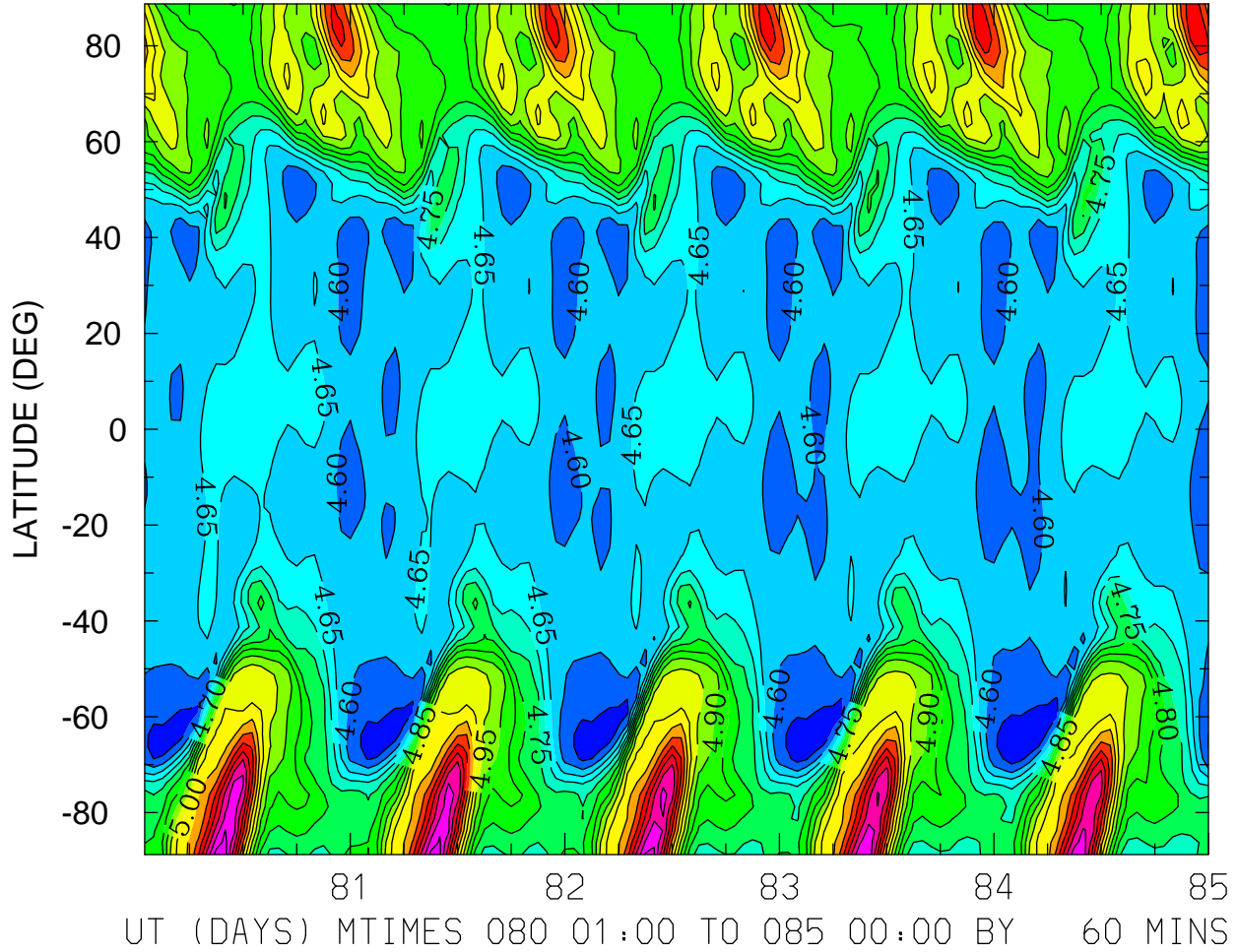
MIN,MAX= 7.5896E+00 8.2120E+00 INTERVAL= 5.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 MOLECULAR OXYGEN (CM3)  
ZP = -0.125 ZONAL MEANS



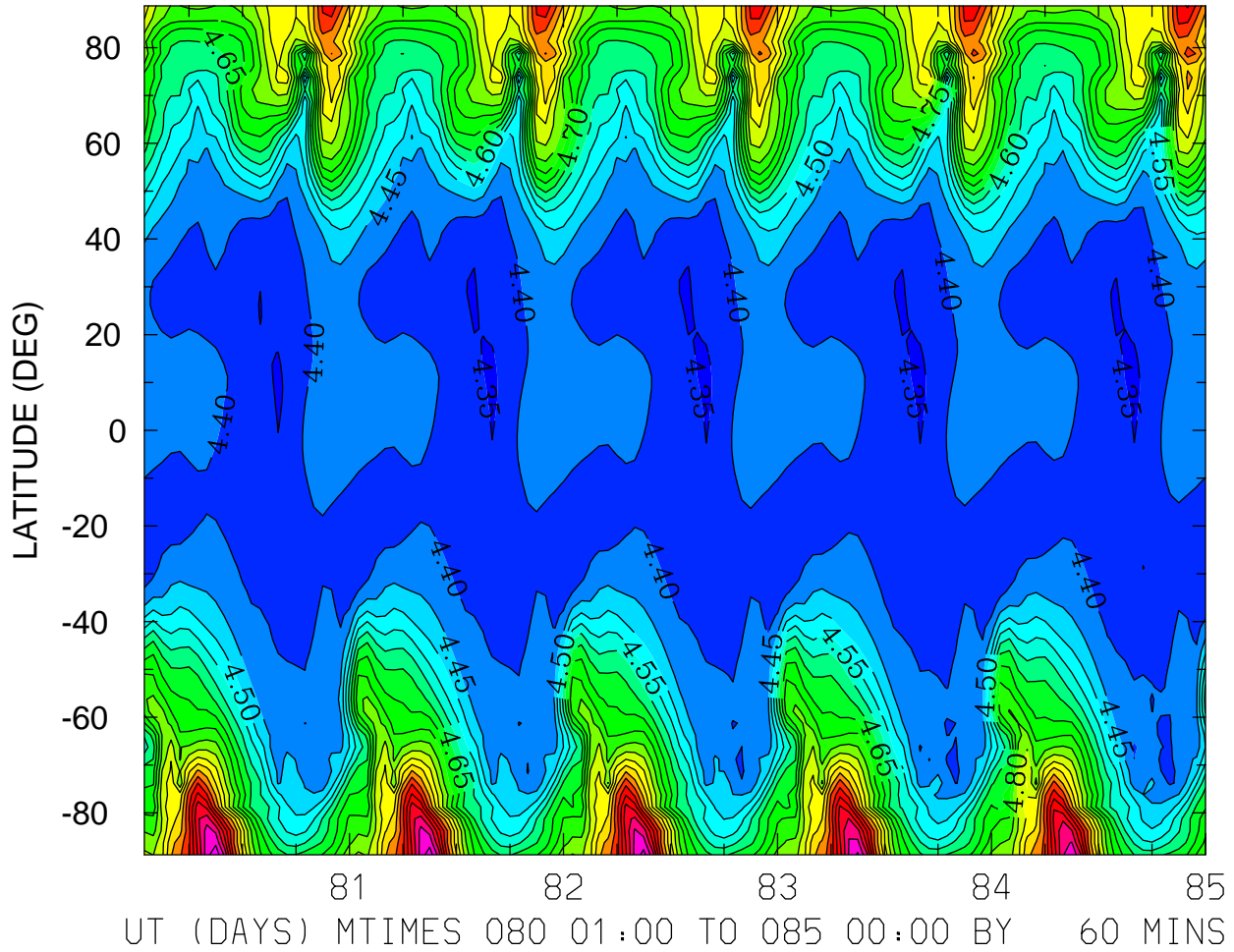
MIN,MAX= 7.7301E+00 8.2150E+00 INTERVAL= 4.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 MOLECULAR OXYGEN (CM3)  
ZP = 3.875 LOCAL TIME = 0.00



MIN,MAX= 4.5042E+00 5.3730E+00 INTERVAL= 5.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

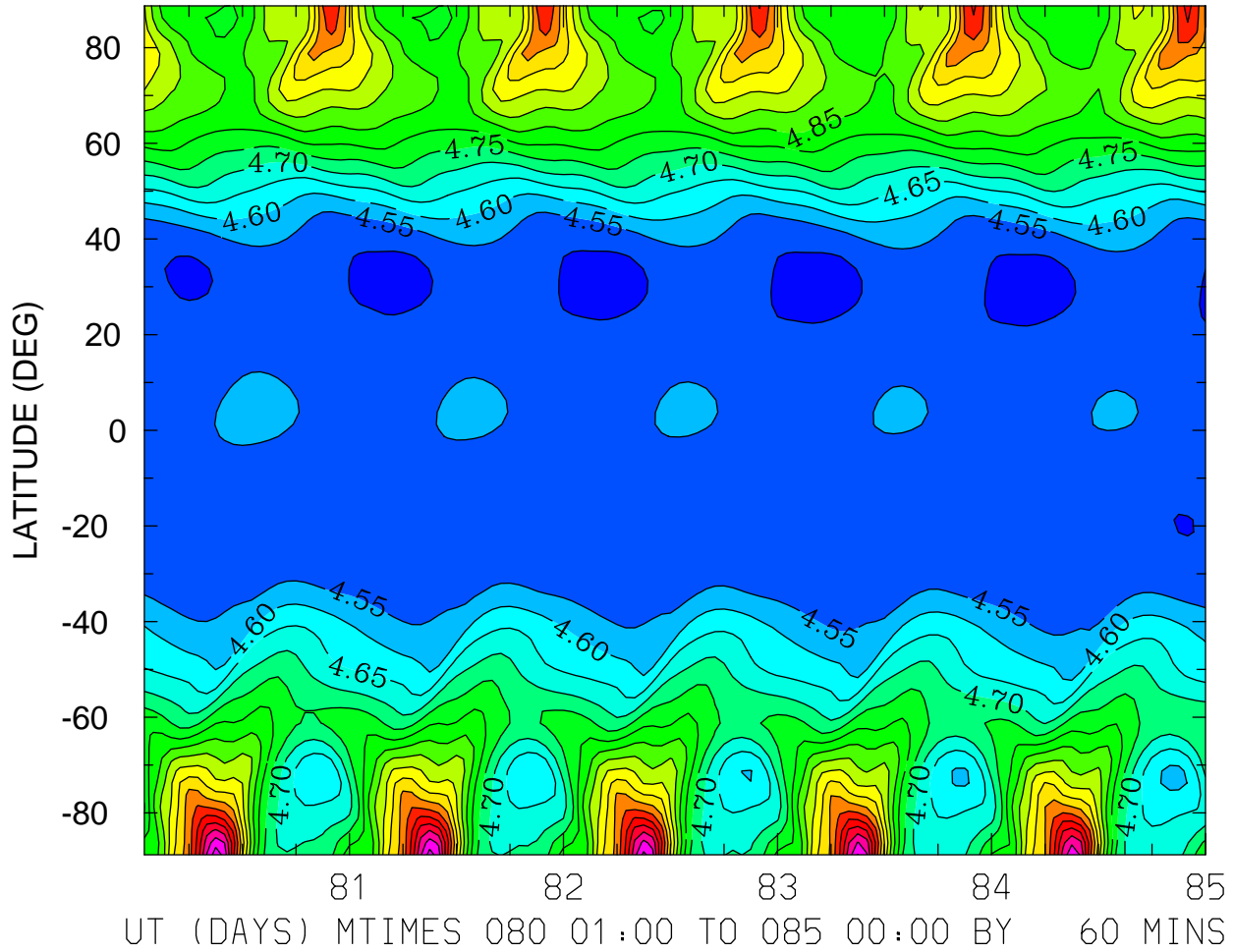
LOG10 MOLECULAR OXYGEN (CM3)  
ZP = 3.875 LOCAL TIME = 12.00



MIN,MAX= 4.3423E+00 5.3863E+00 INTERVAL= 5.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

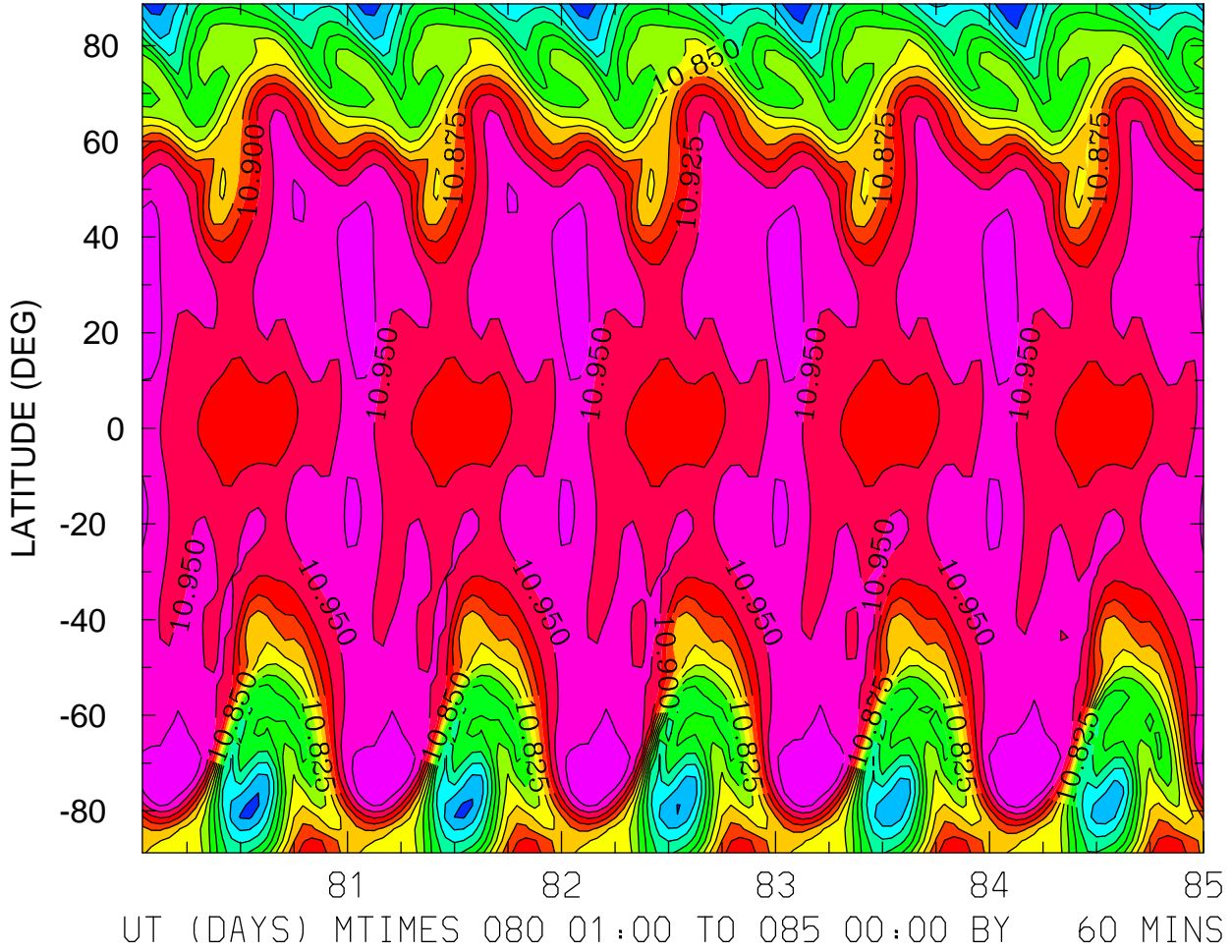


LOG10 MOLECULAR OXYGEN (CM3)  
ZP = 3.875 ZONAL MEANS



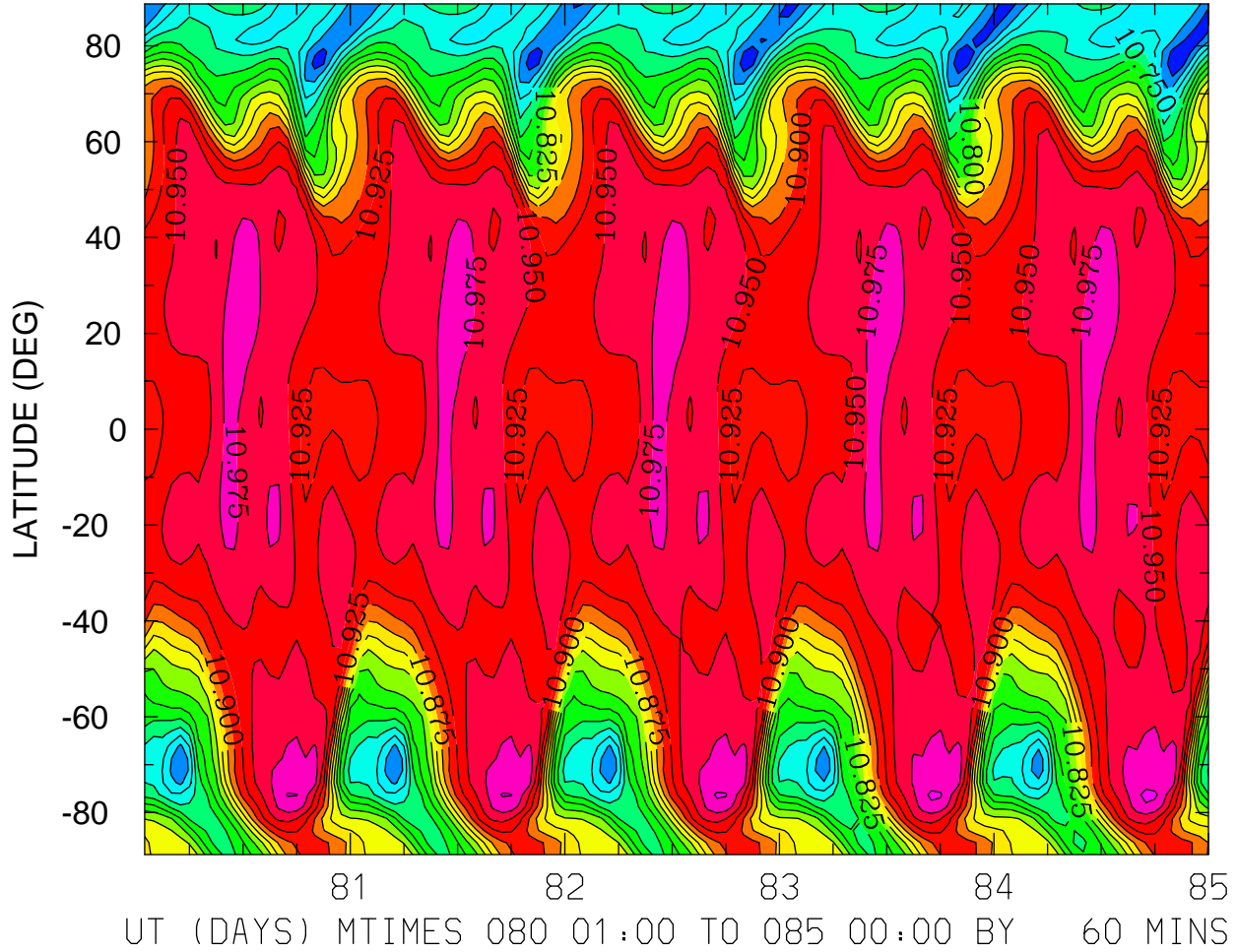
MIN,MAX= 4.4911E+00 5.3796E+00 INTERVAL= 5.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 ATOMIC OXYGEN (CM3)  
ZP = -4.125 LOCAL TIME = 0.00



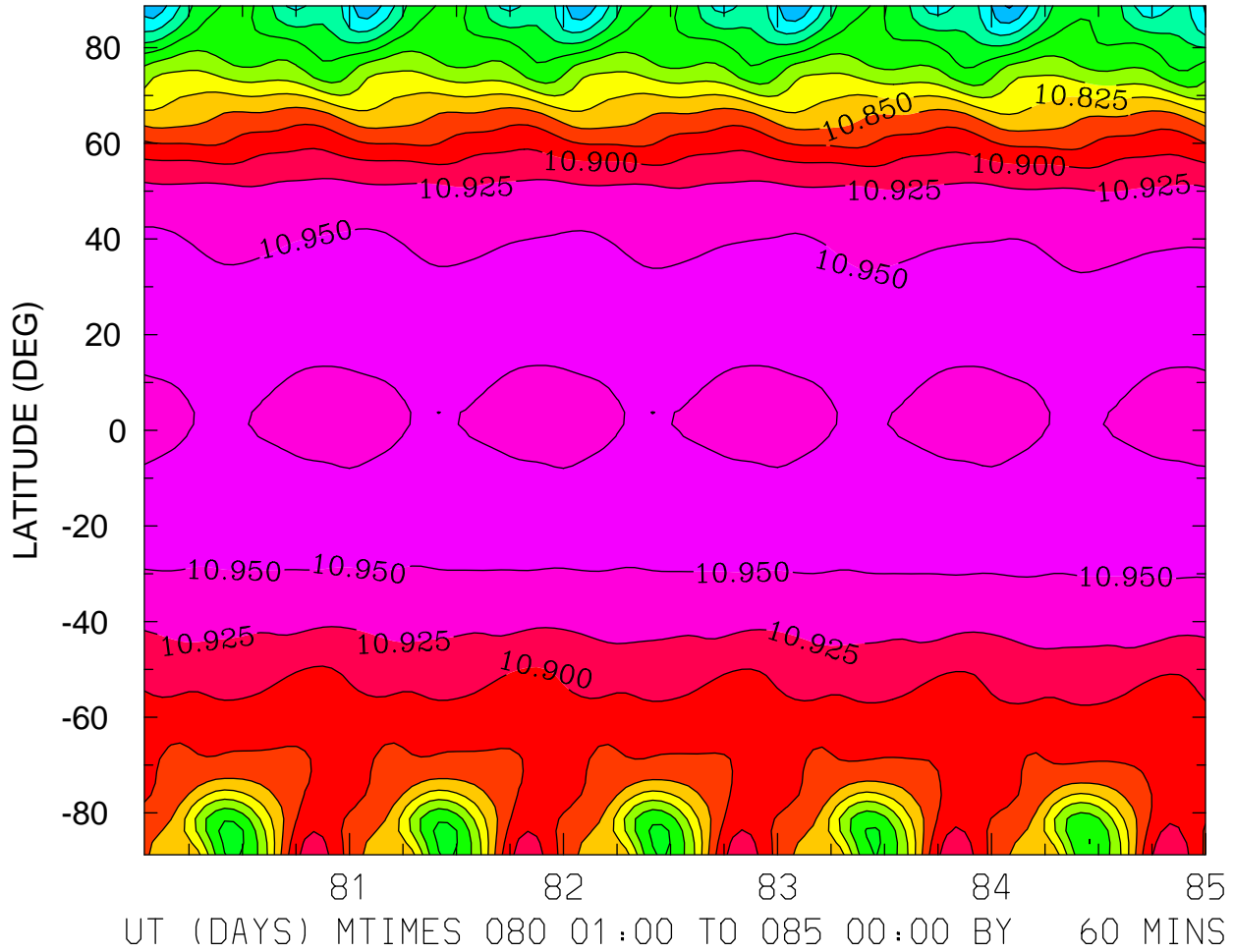
MIN,MAX= 1.0651E+01 1.0997E+01 INTERVAL= 2.5000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 ATOMIC OXYGEN (CM3)  
ZP = -4.125 LOCAL TIME = 12.00



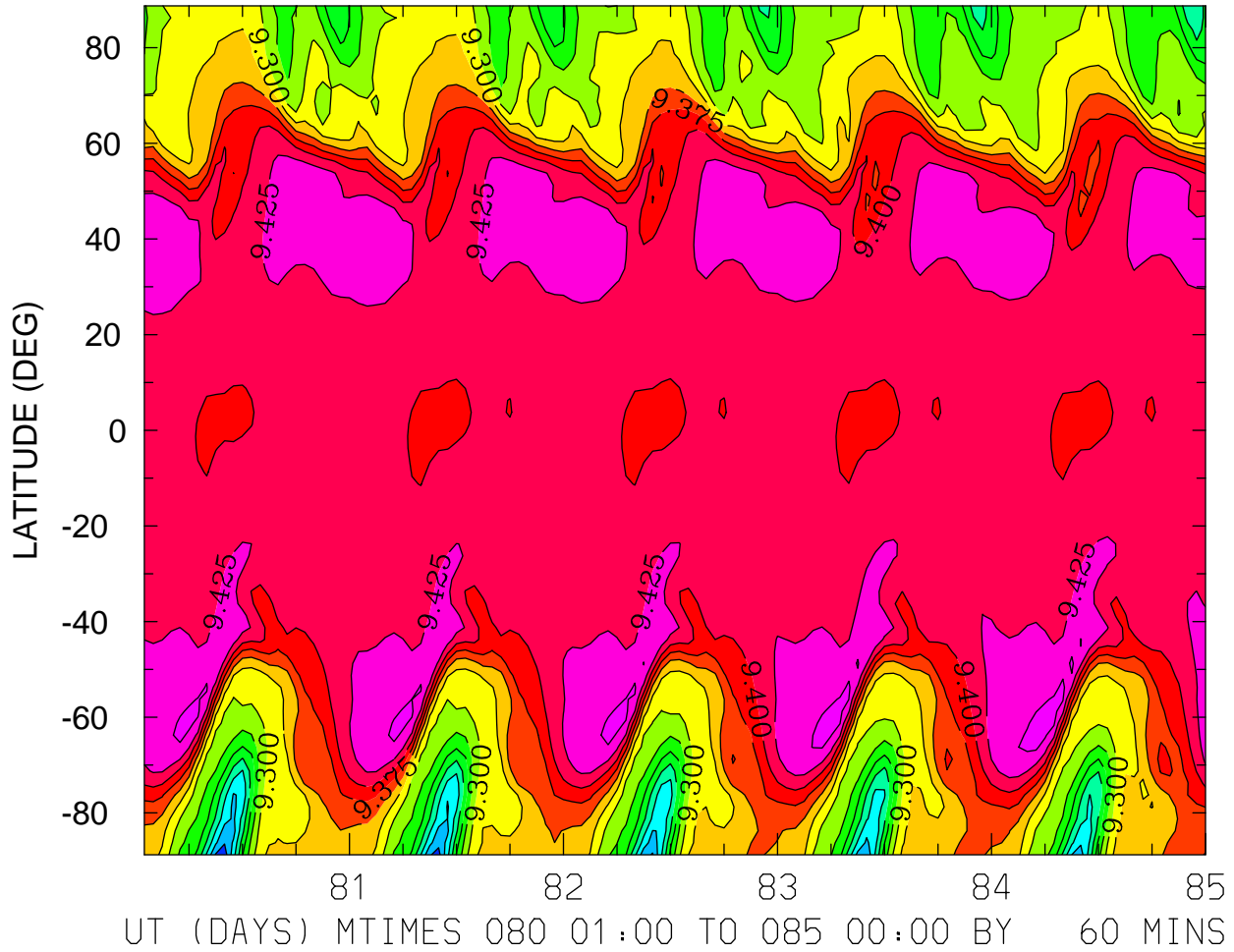
MIN,MAX= 1.0629E+01 1.1007E+01 INTERVAL= 2.5000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 ATOMIC OXYGEN (CM3)  
ZP = -4.125 ZONAL MEANS



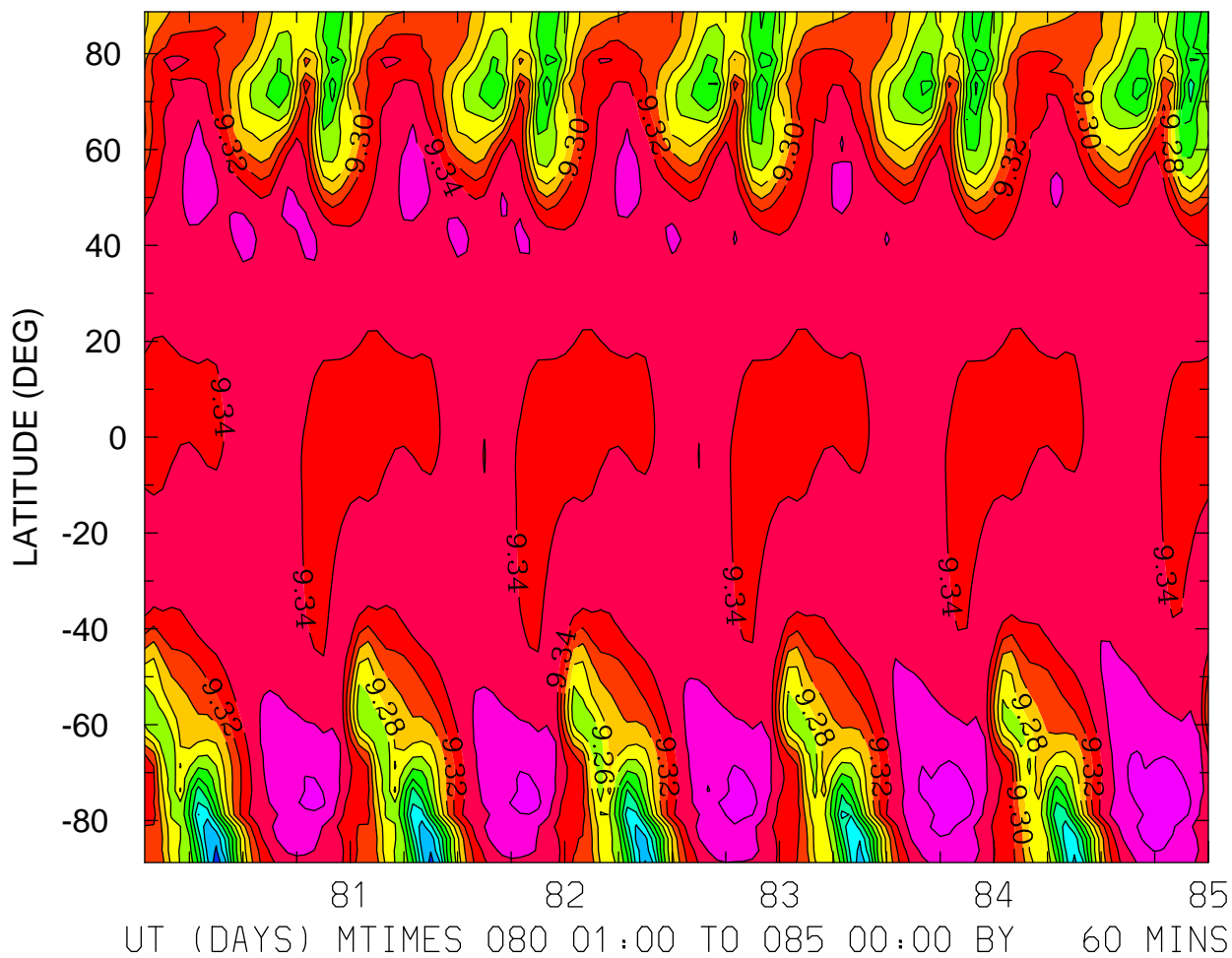
MIN,MAX= 1.0646E+01 1.0961E+01 INTERVAL= 2.5000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 ATOMIC OXYGEN (CM3)  
ZP = -0.125 LOCAL TIME = 0.00



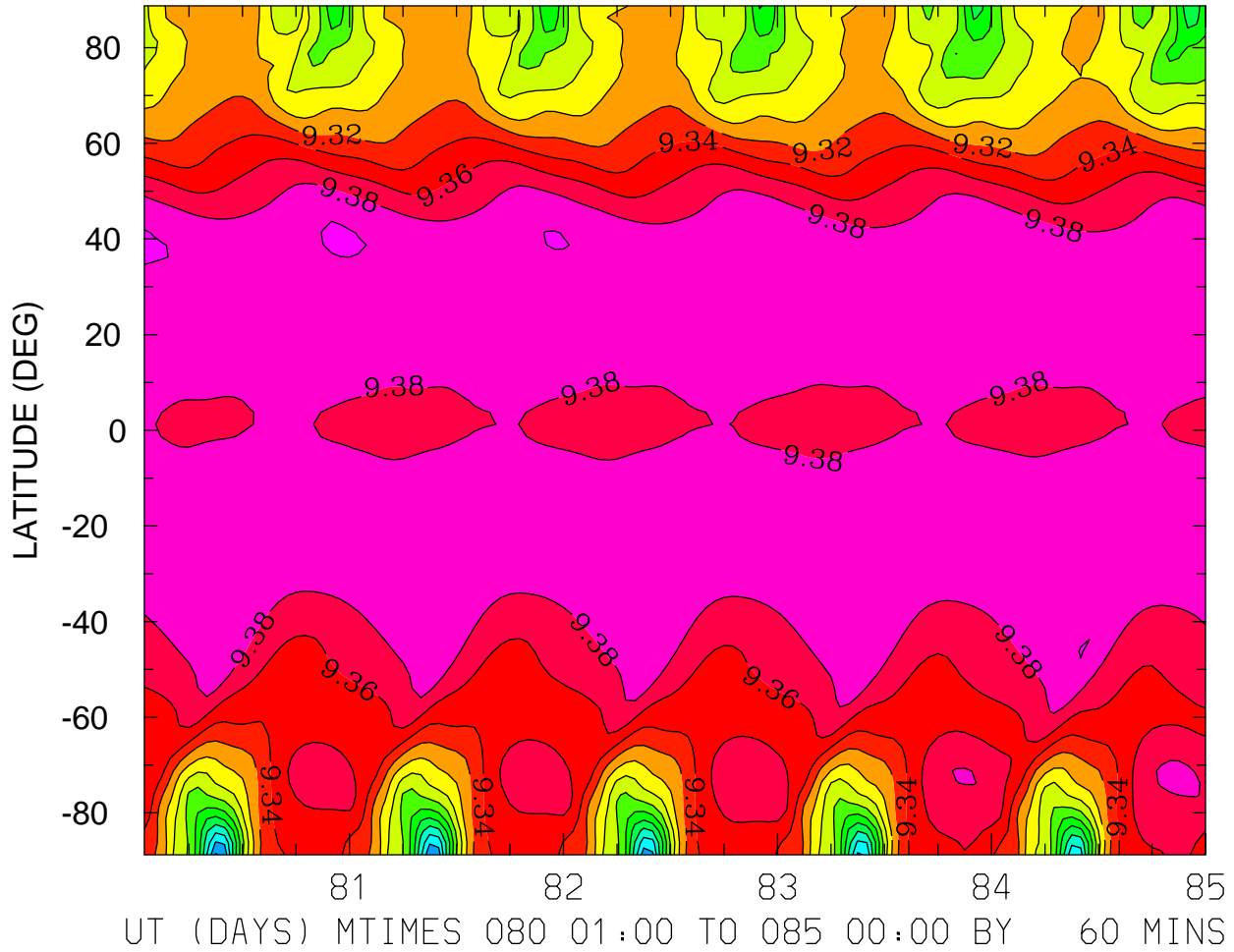
MIN,MAX= 9.1373E+00 9.4590E+00 INTERVAL= 2.5000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 ATOMIC OXYGEN (CM3)  
ZP = -0.125 LOCAL TIME = 12.00



MIN,MAX= 9.1279E+00 9.3951E+00 INTERVAL= 2.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

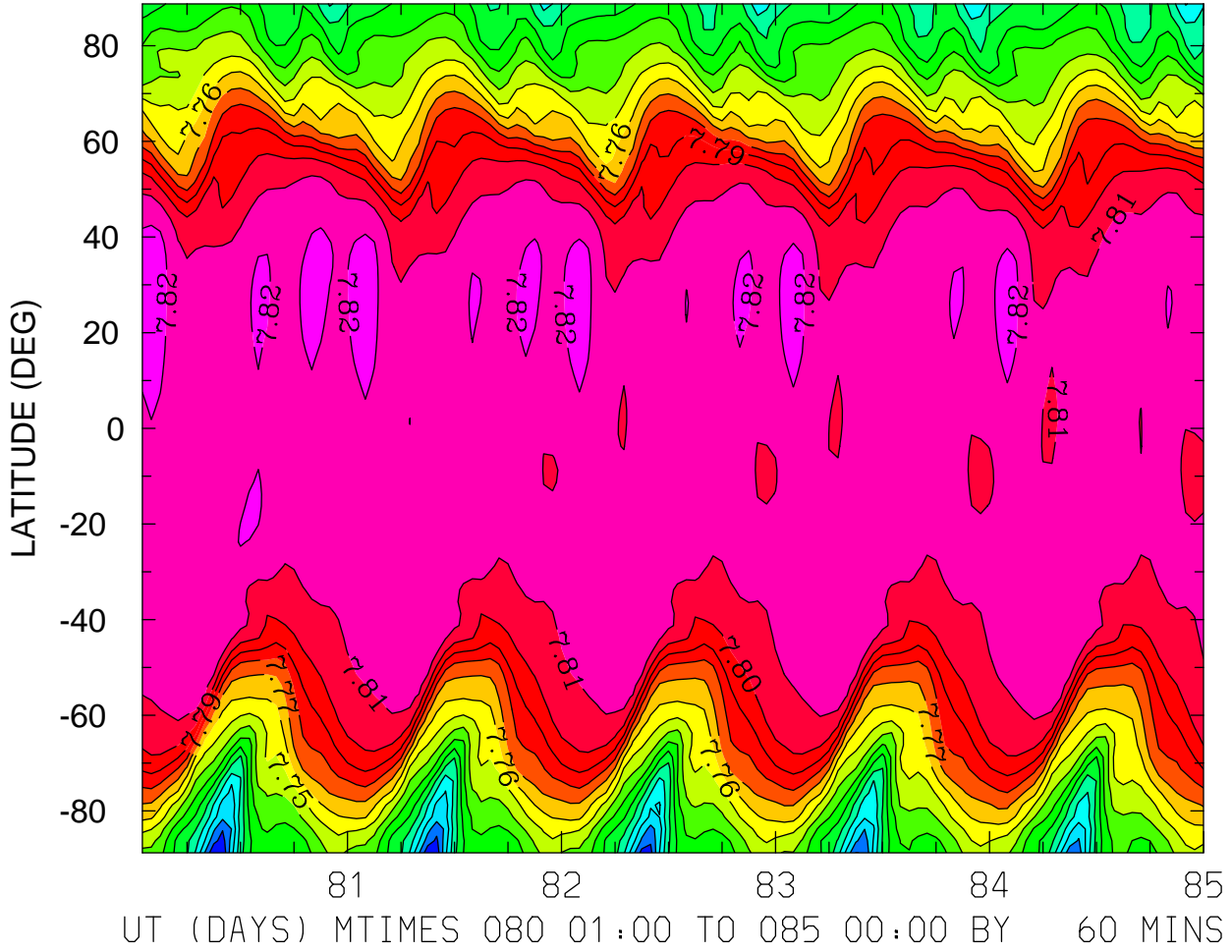
LOG10 ATOMIC OXYGEN (CM3)  
ZP = -0.125 ZONAL MEANS



MIN,MAX= 9.1379E+00 9.4021E+00 INTERVAL= 2.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

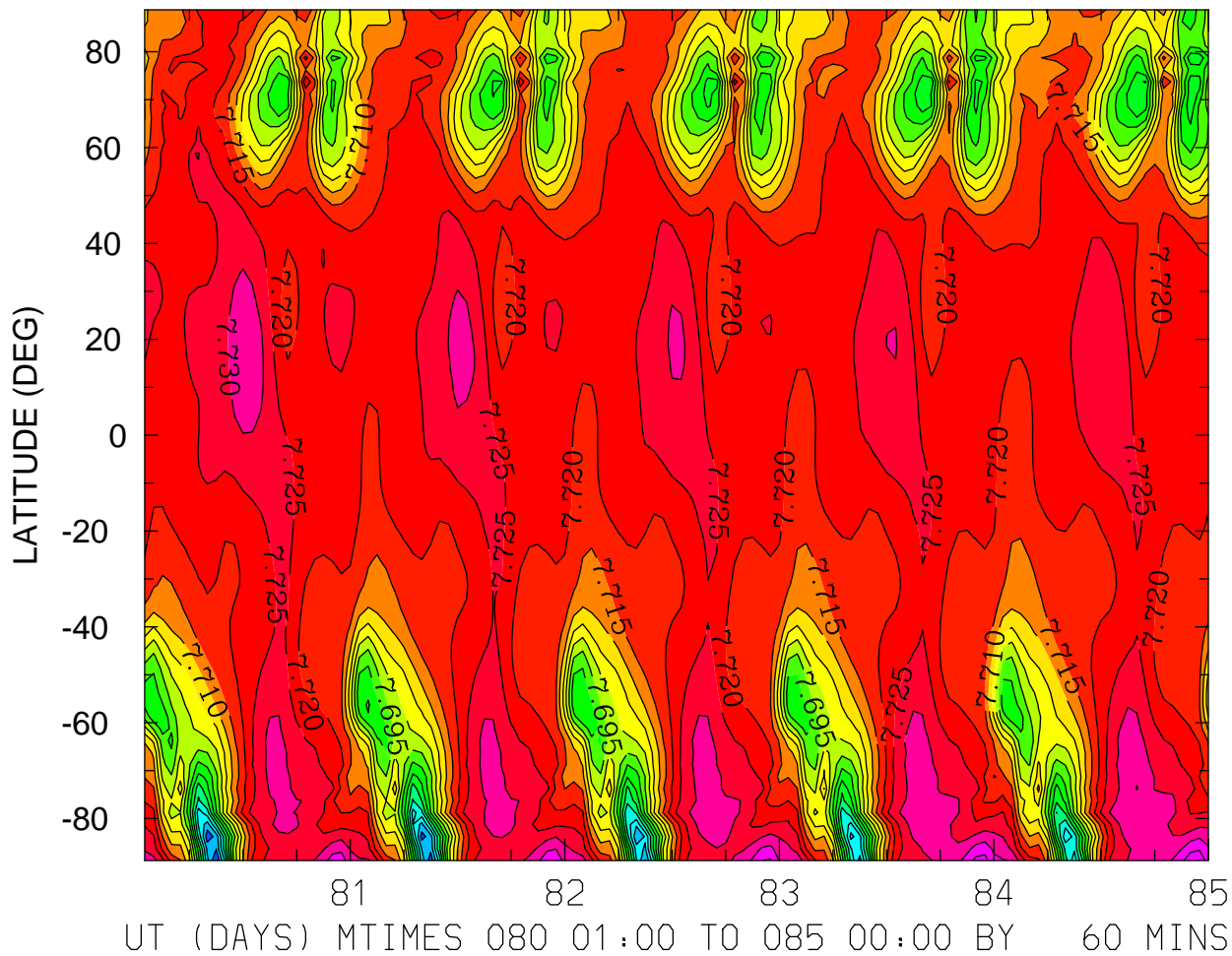


LOG10 ATOMIC OXYGEN (CM3)  
ZP = 3.875 LOCAL TIME = 0.00



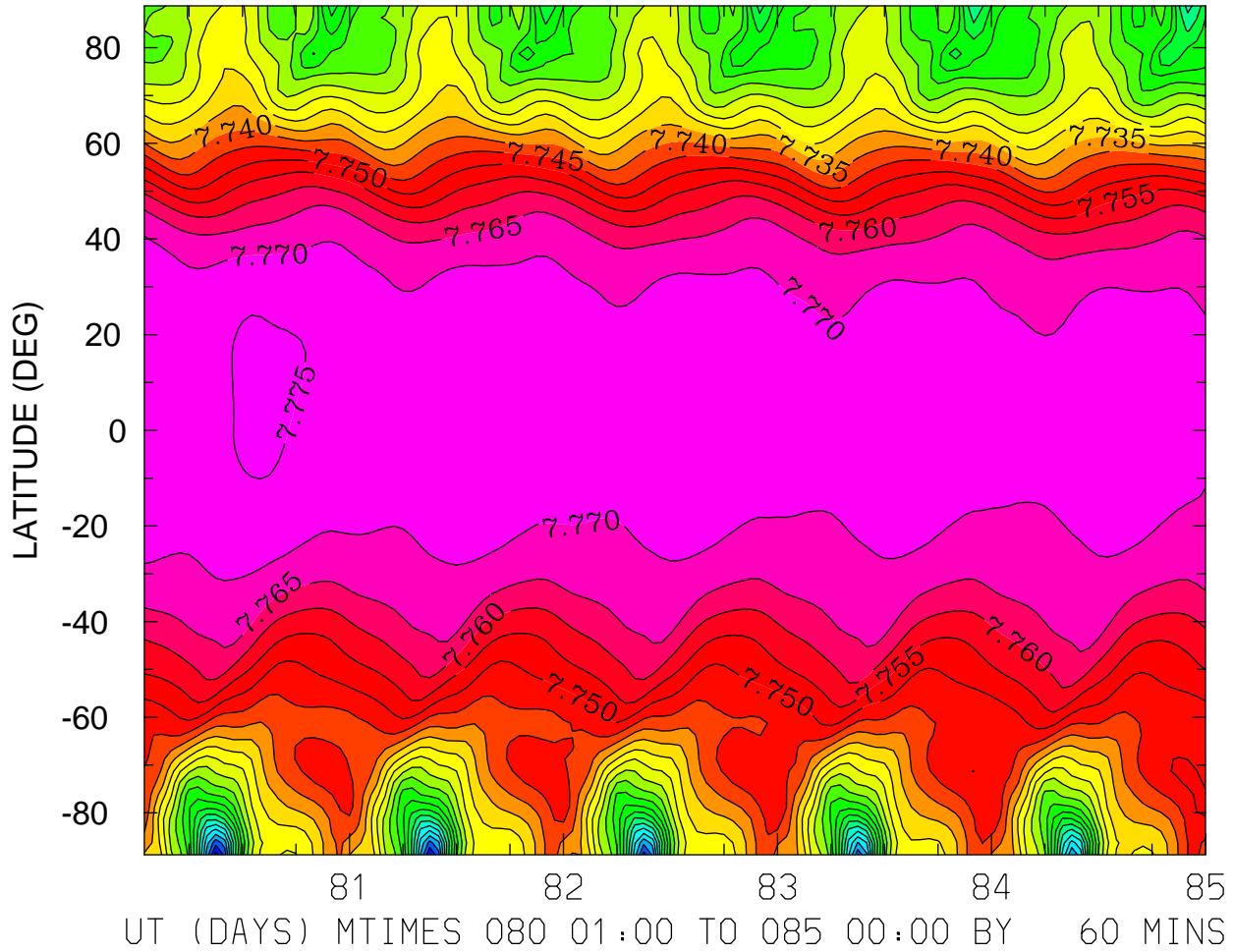
MIN,MAX= 7.6613E+00 7.8282E+00 INTERVAL= 1.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 ATOMIC OXYGEN (CM3)  
ZP = 3.875 LOCAL TIME = 12.00



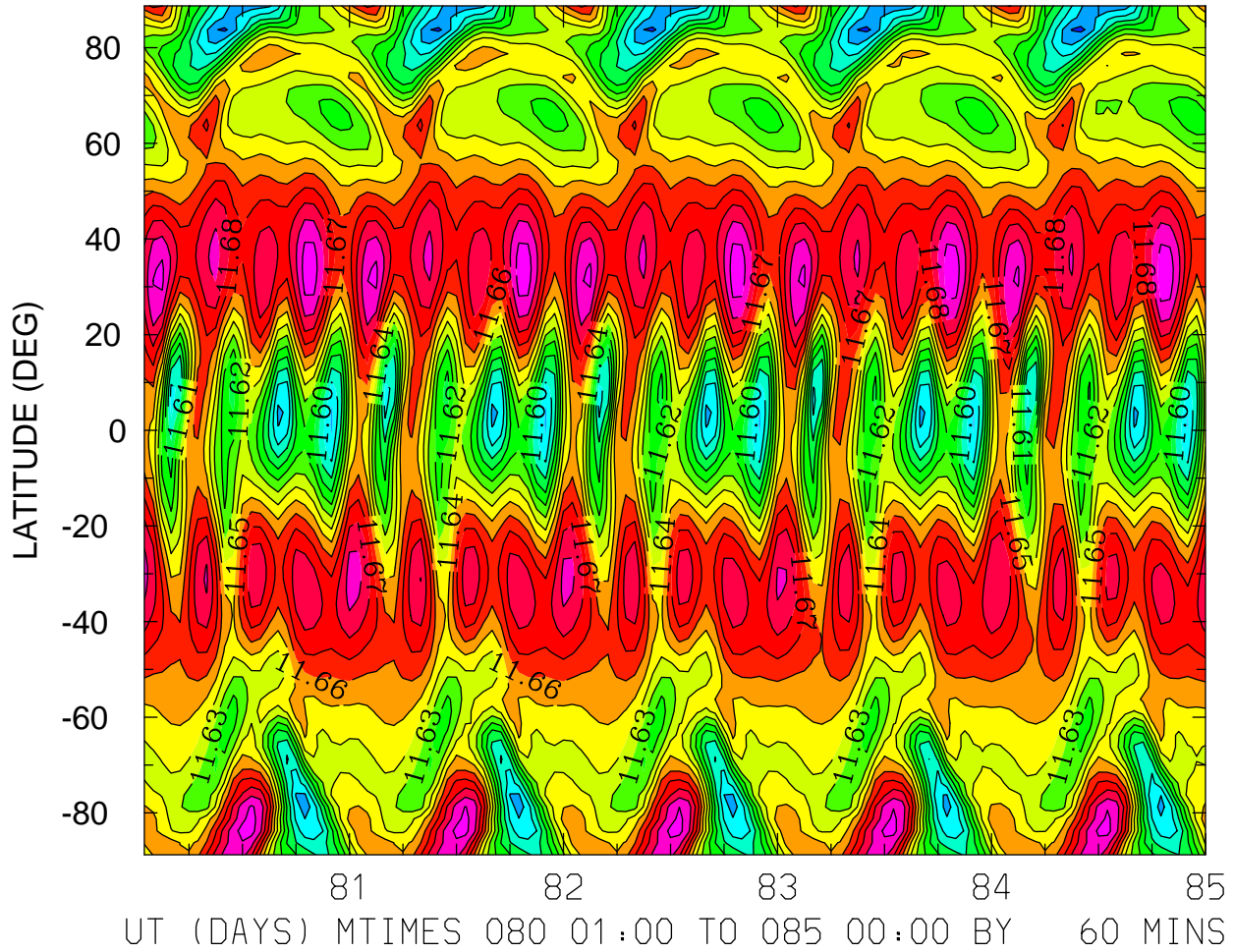
MIN,MAX= 7.6549E+00 7.7437E+00 INTERVAL= 5.0000E-03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 ATOMIC OXYGEN (CM3)  
ZP = 3.875 ZONAL MEANS



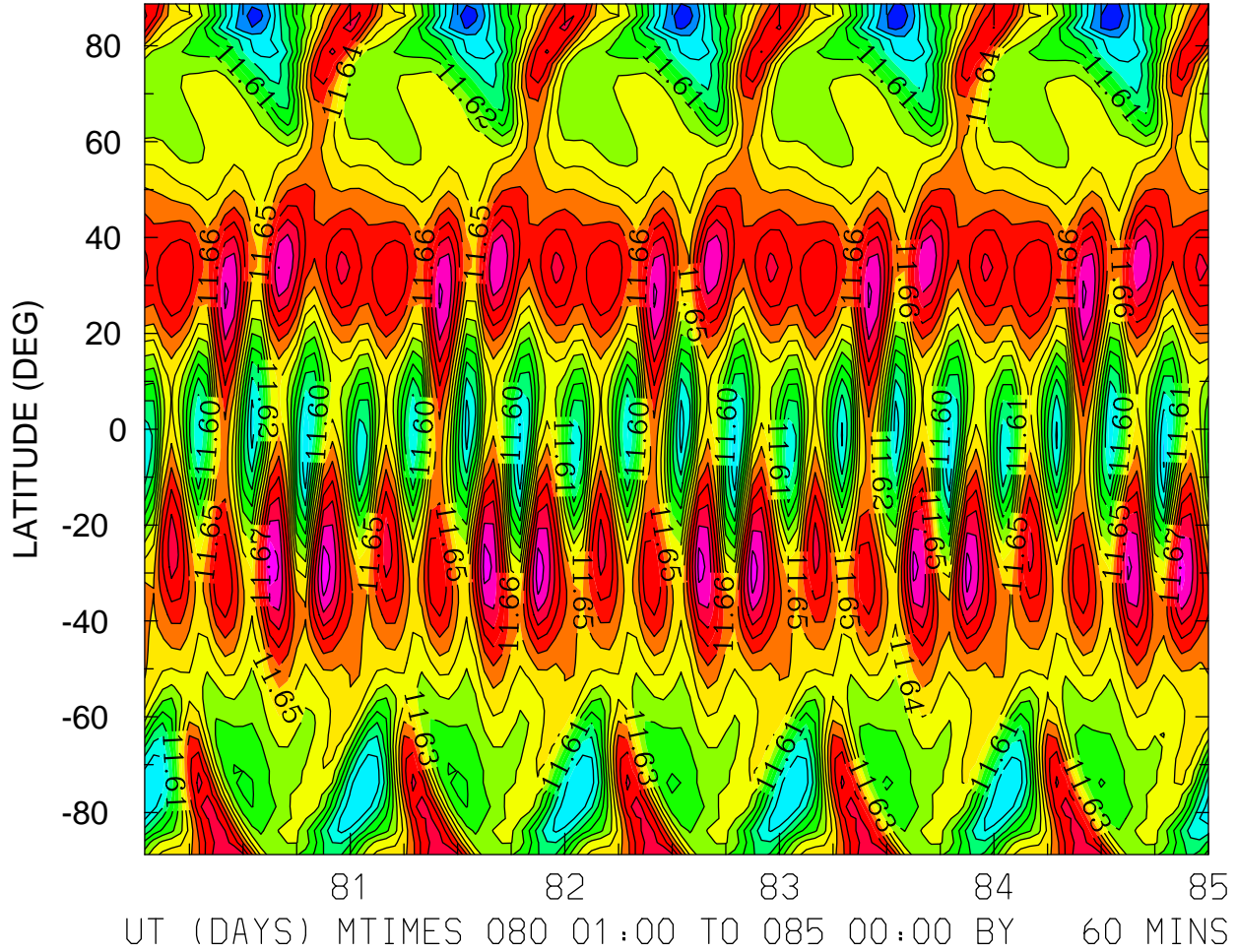
MIN,MAX= 7.6581E+00 7.7760E+00 INTERVAL= 5.0000E-03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 MOLECULAR NITROGEN (CM3)  
ZP = -4.125 LOCAL TIME = 0.00



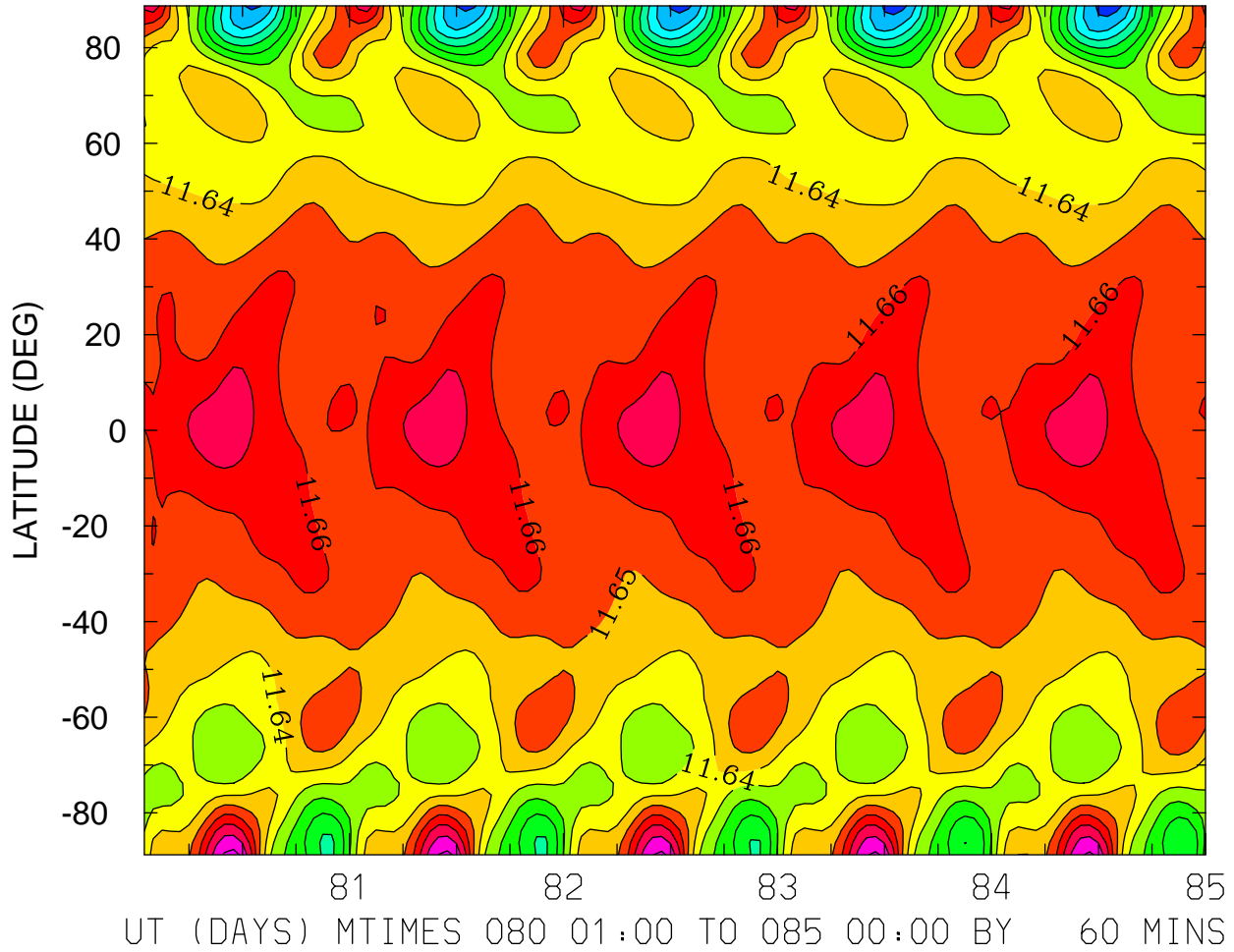
MIN,MAX= 1.1567E+01 1.1705E+01 INTERVAL= 1.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 MOLECULAR NITROGEN (CM3)  
ZP = -4.125 LOCAL TIME = 12.00



MIN,MAX= 1.1553E+01 1.1706E+01 INTERVAL= 1.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

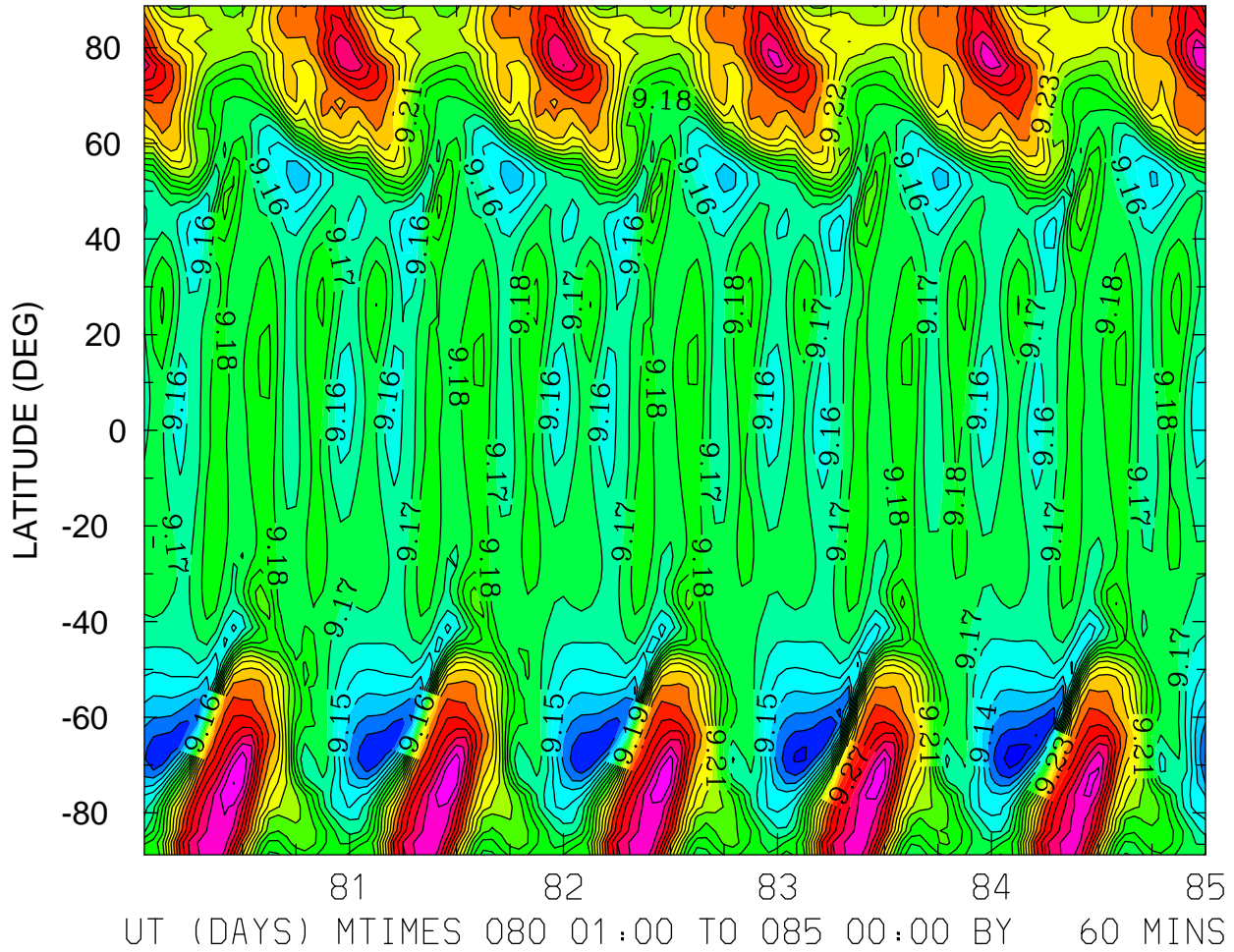
LOG10 MOLECULAR NITROGEN (CM3)  
ZP = -4.125 ZONAL MEANS



MIN,MAX= 1.1566E+01 1.1693E+01 INTERVAL= 1.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc



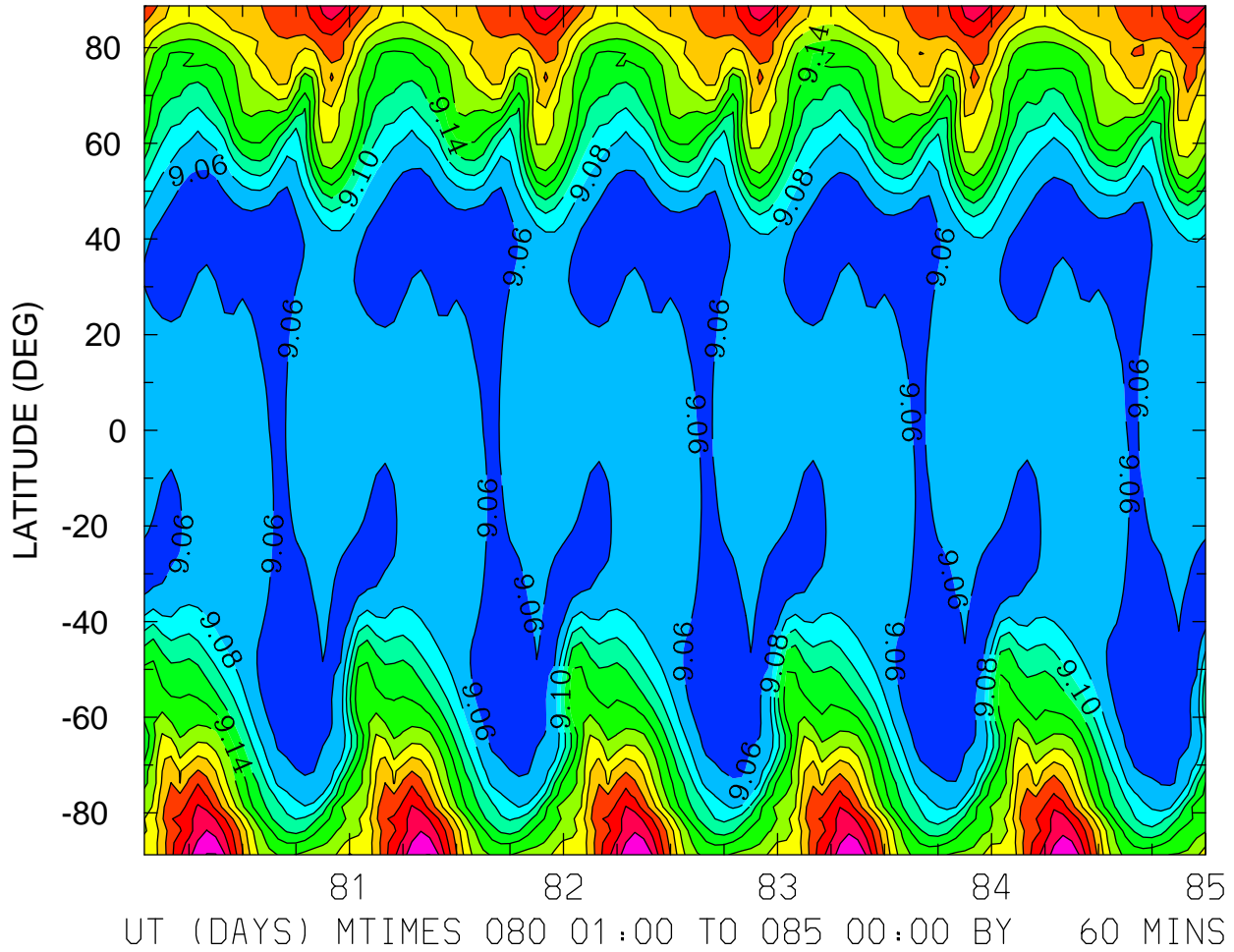
LOG10 MOLECULAR NITROGEN (CM3)  
ZP = -0.125 LOCAL TIME = 0.00



MIN,MAX= 9.1061E+00 9.3203E+00 INTERVAL= 1.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

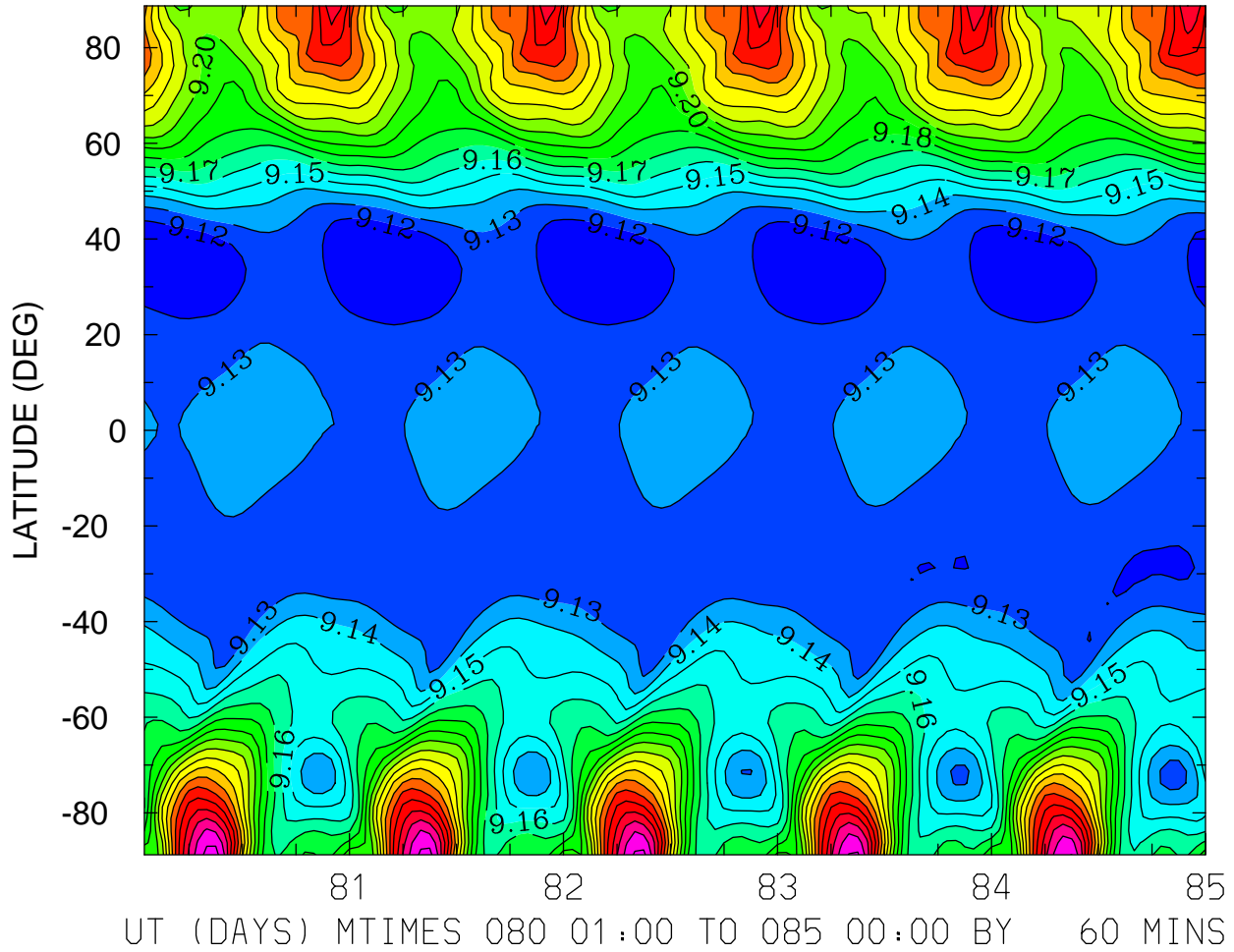


LOG10 MOLECULAR NITROGEN (CM3)  
ZP = -0.125 LOCAL TIME = 12.00



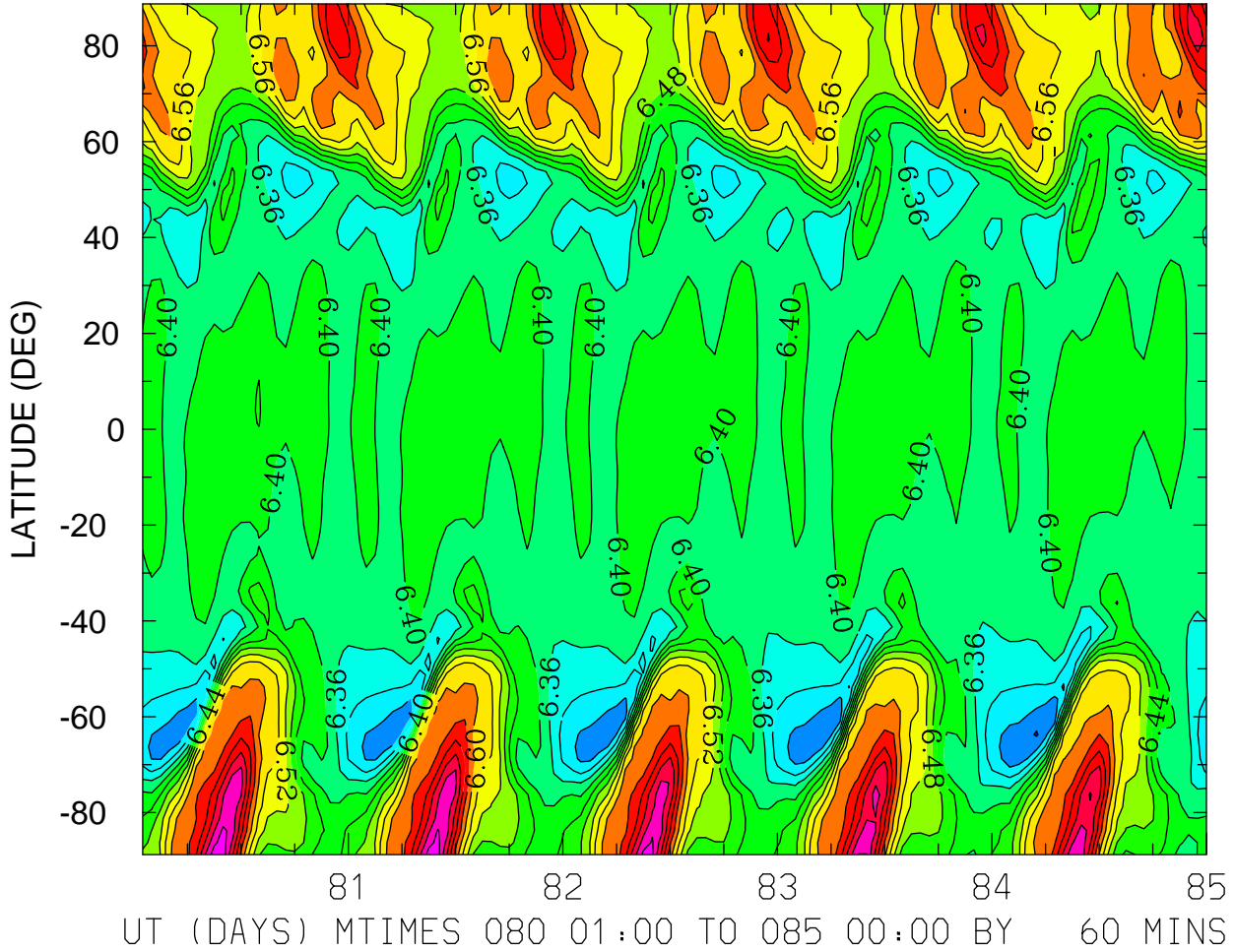
MIN,MAX= 9.0428E+00 9.3011E+00 INTERVAL= 2.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 MOLECULAR NITROGEN (CM3)  
ZP = -0.125 ZONAL MEANS



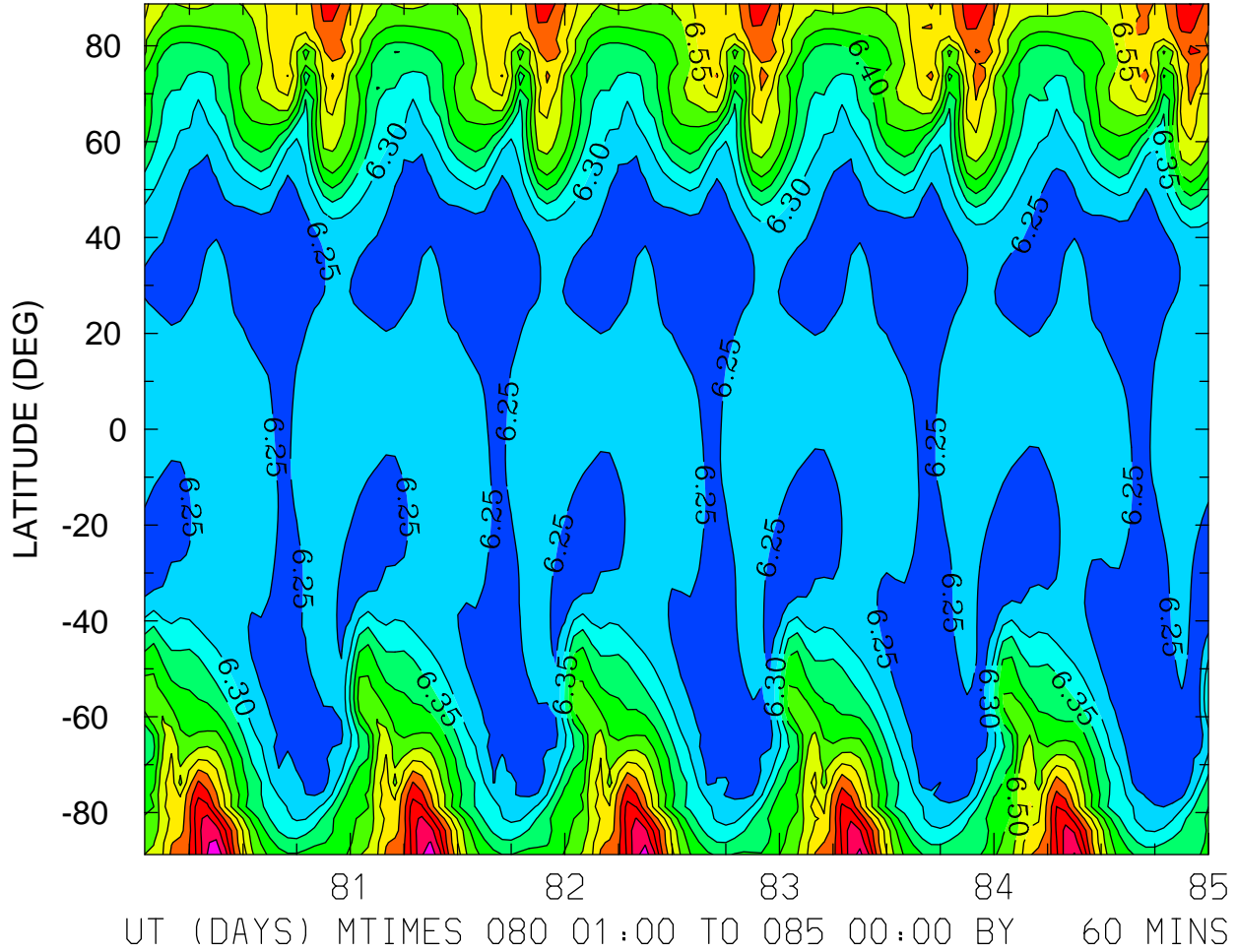
MIN,MAX= 9.1099E+00 9.3045E+00 INTERVAL= 1.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 MOLECULAR NITROGEN (CM3)  
ZP = 3.875 LOCAL TIME = 0.00



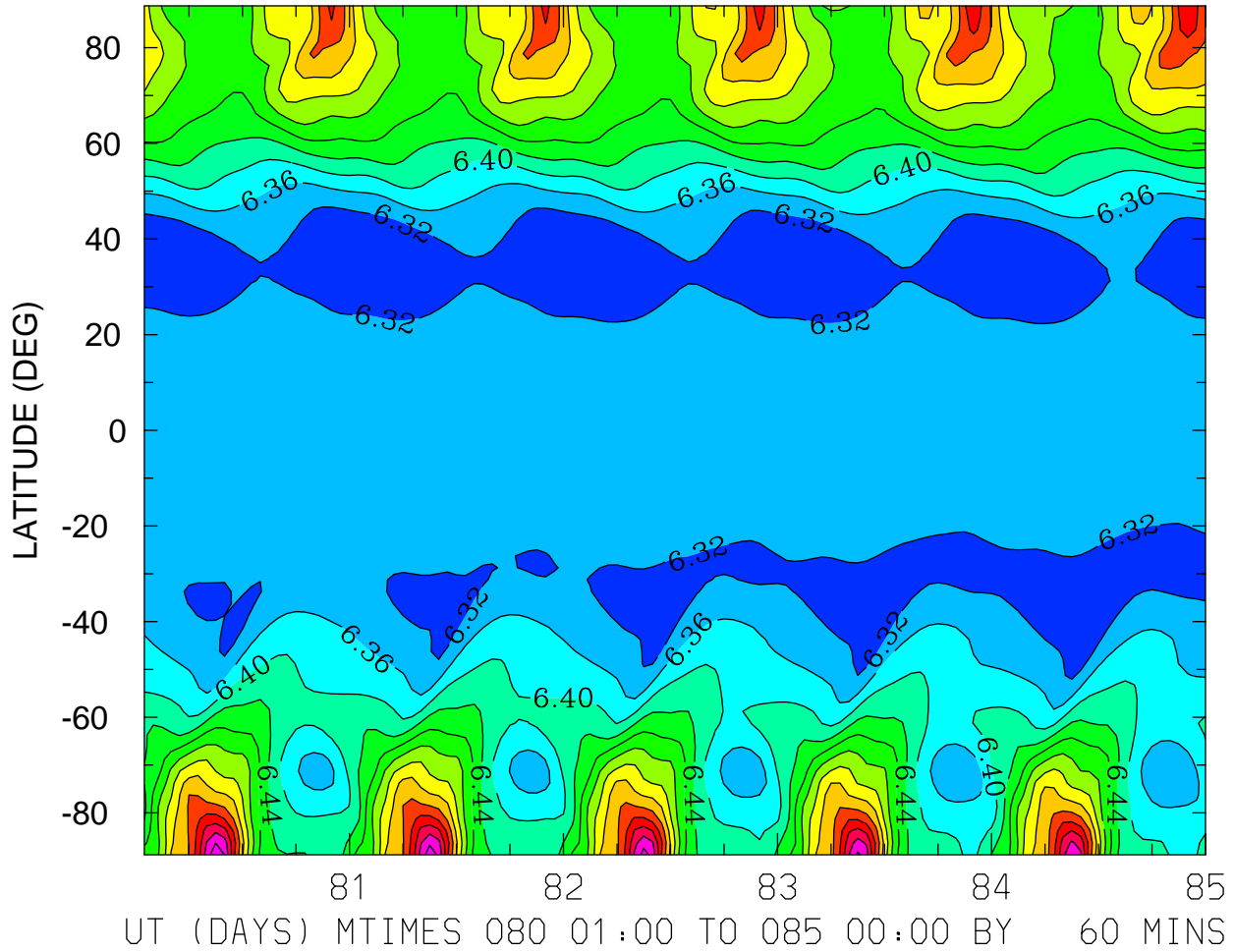
MIN,MAX= 6.2362E+00 6.8248E+00 INTERVAL= 4.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 MOLECULAR NITROGEN (CM3)  
ZP = 3.875 LOCAL TIME = 12.00



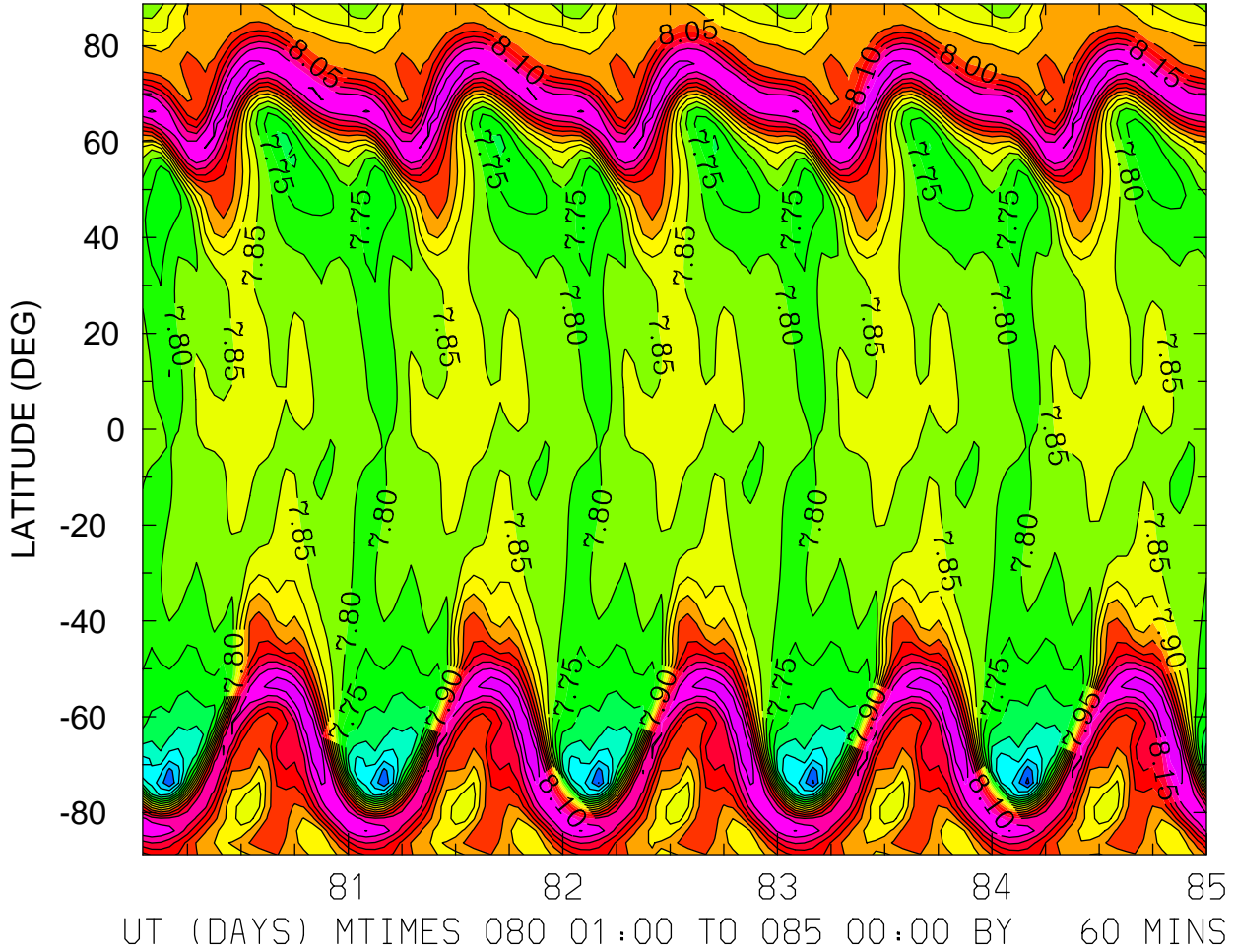
MIN,MAX= 6.2002E+00 6.8360E+00 INTERVAL= 5.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 MOLECULAR NITROGEN (CM3)  
ZP = 3.875 ZONAL MEANS



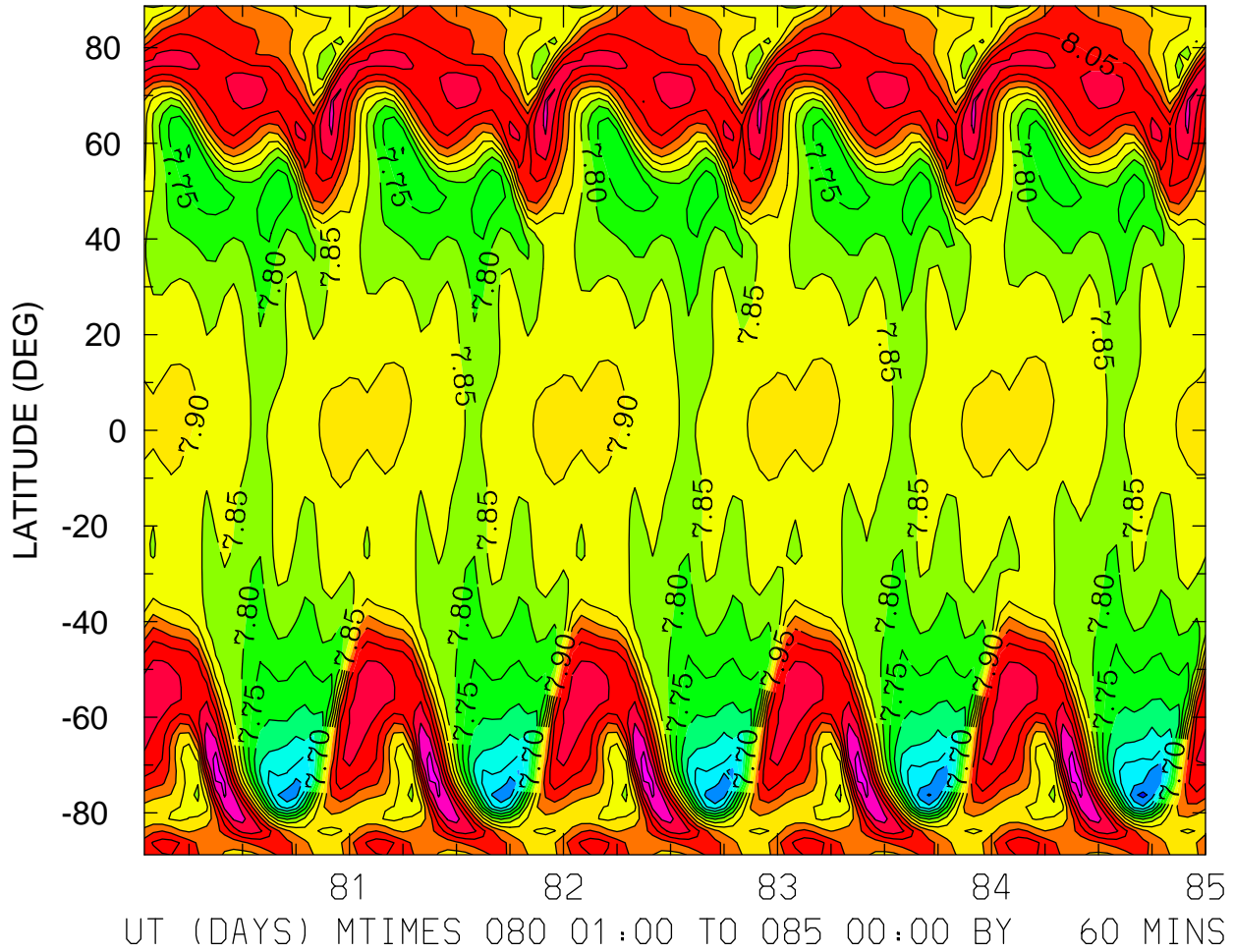
MIN,MAX= 6.2921E+00 6.8304E+00 INTERVAL= 4.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 NITRIC OXIDE (CM3)  
ZP = -4.125 LOCAL TIME = 0.00



MIN,MAX= 7.4358E+00 8.2972E+00 INTERVAL= 5.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

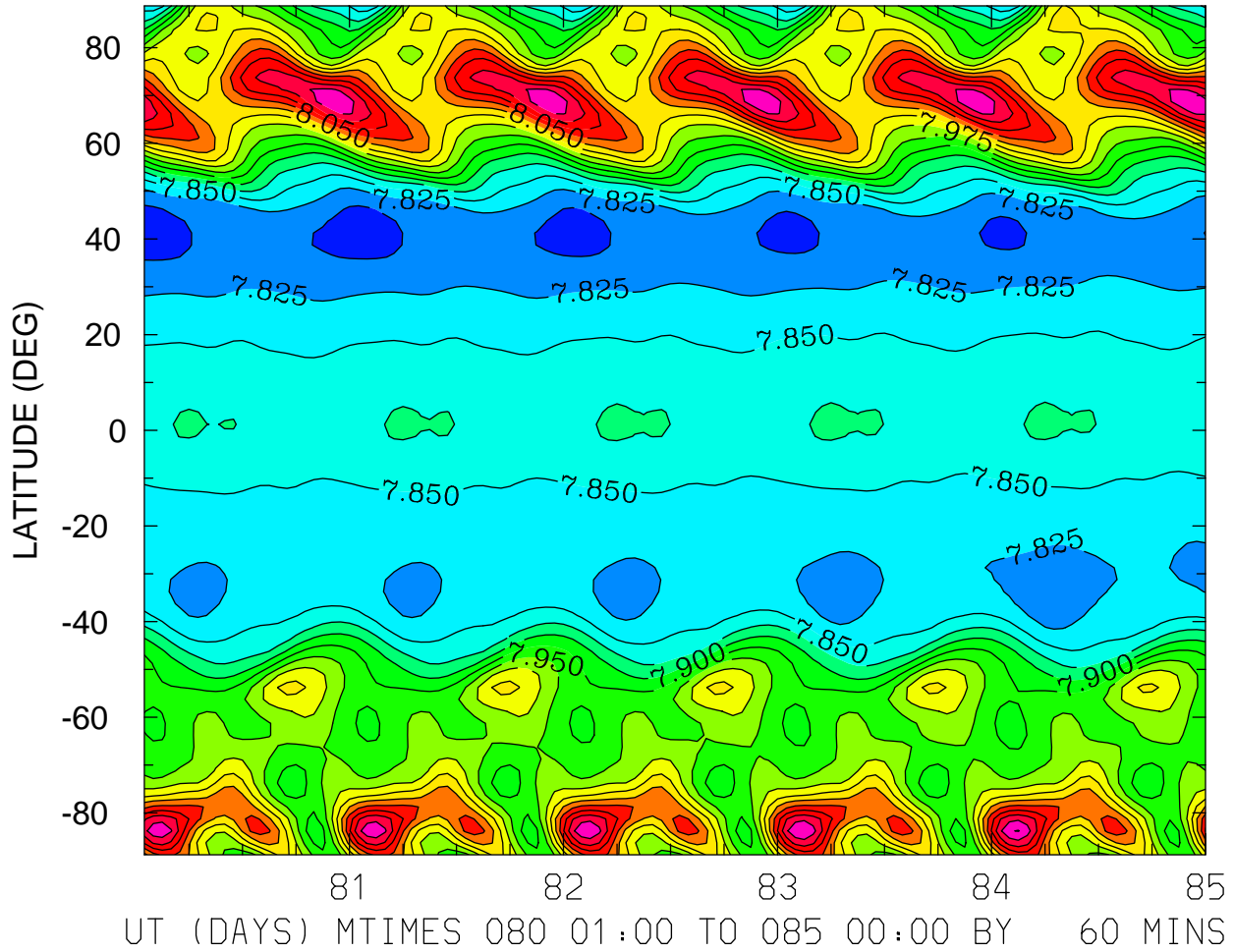
LOG10 NITRIC OXIDE (CM3)  
ZP = -4.125 LOCAL TIME = 12.00



MIN,MAX= 7.4835E+00 8.2314E+00 INTERVAL= 5.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

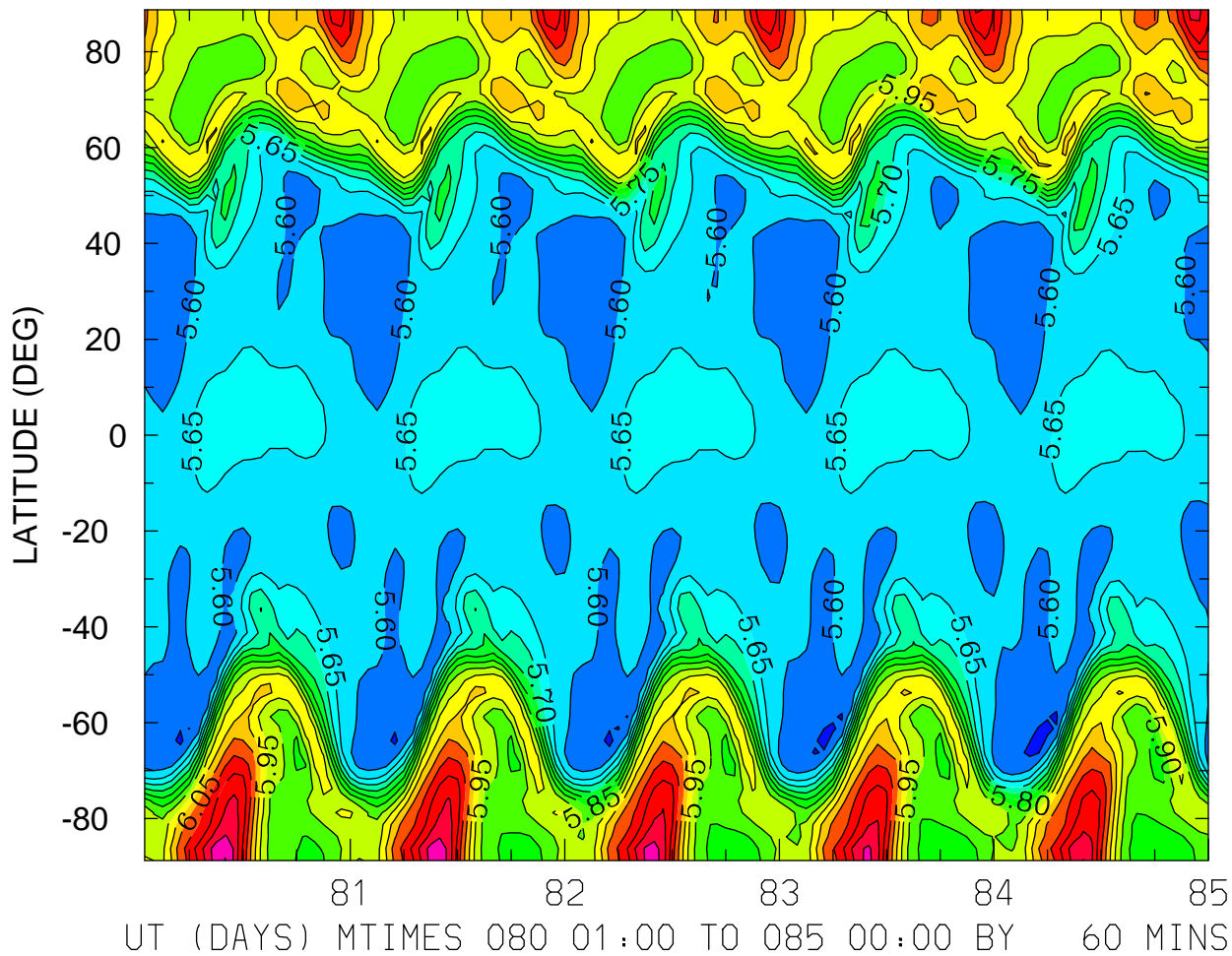


LOG10 NITRIC OXIDE (CM3)  
ZP = -4.125 ZONAL MEANS



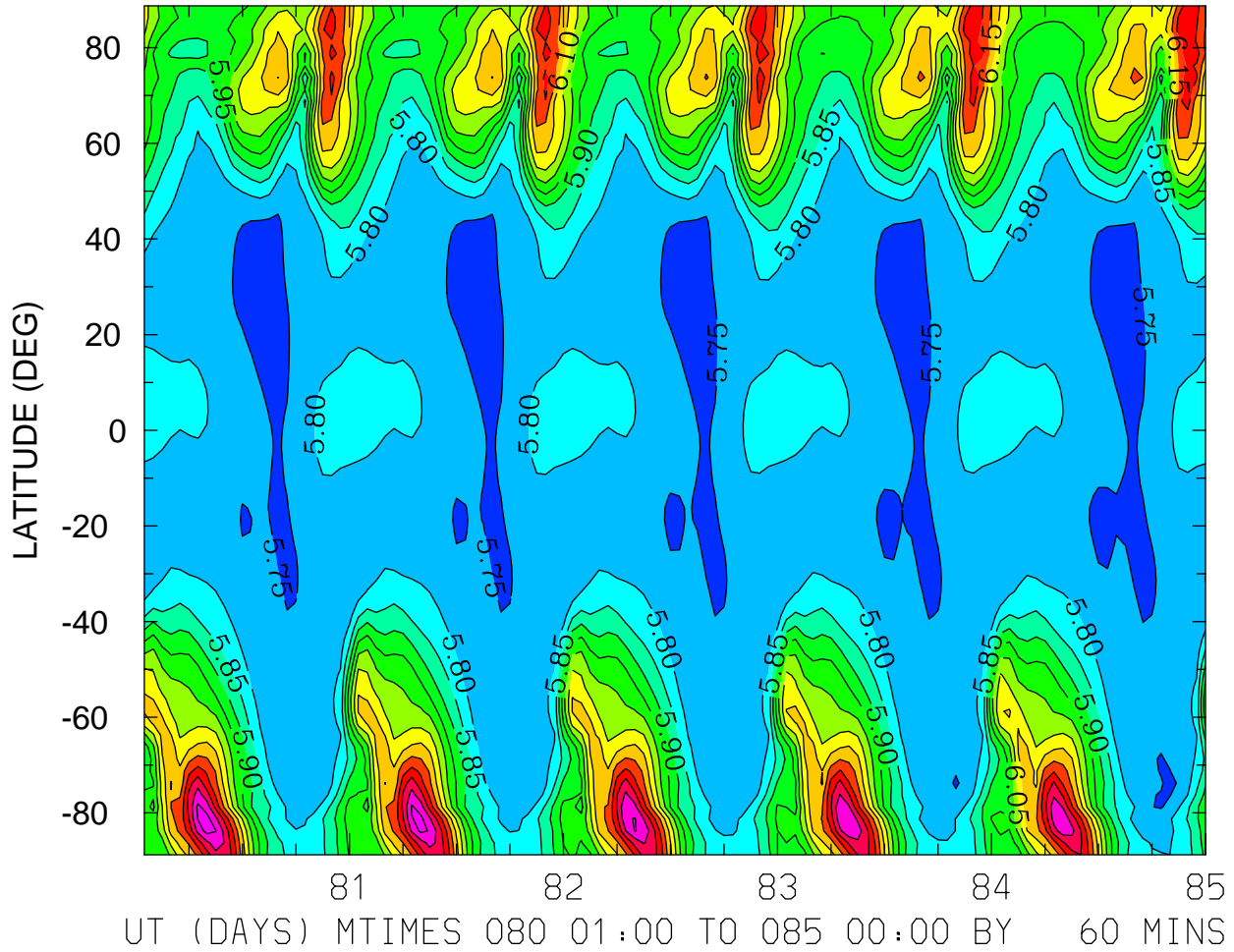
MIN,MAX= 7.7867E+00 8.1516E+00 INTERVAL= 2.5000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 NITRIC OXIDE (CM3)  
ZP = -0.125 LOCAL TIME = 0.00



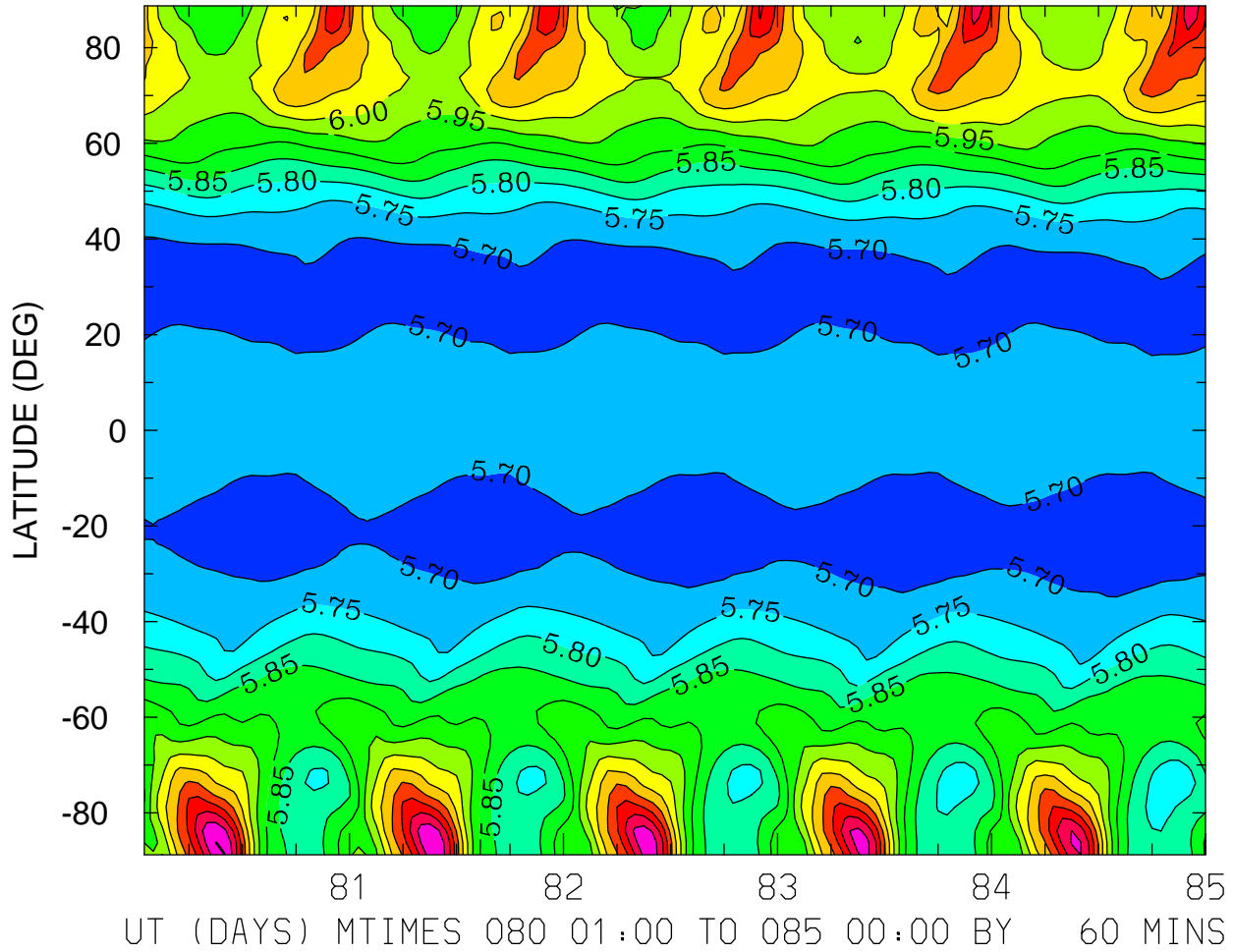
MIN,MAX= 5.5329E+00 6.3018E+00 INTERVAL= 5.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 NITRIC OXIDE (CM3)  
ZP = -0.125 LOCAL TIME = 12.00



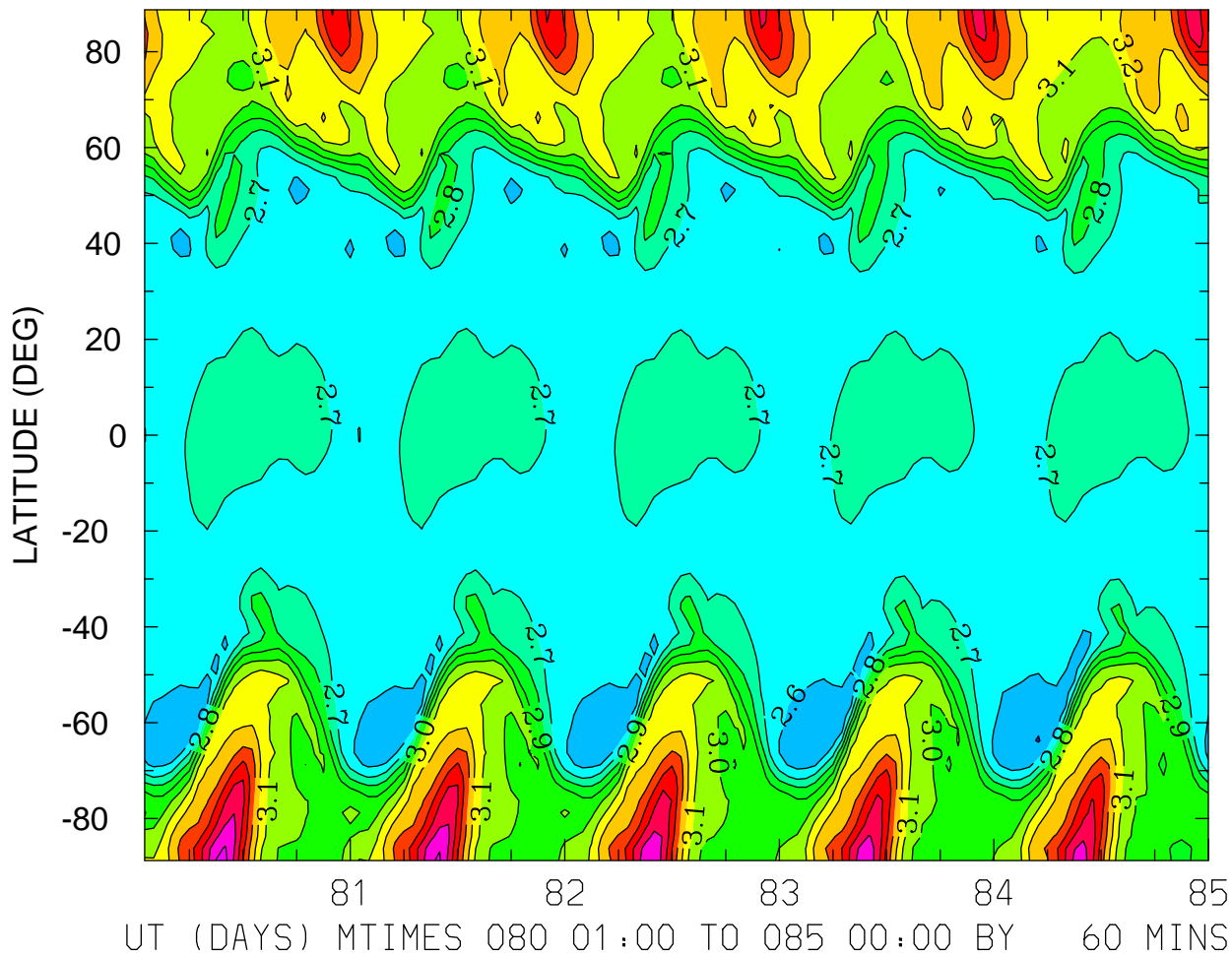
MIN,MAX= 5.7214E+00 6.3684E+00 INTERVAL= 5.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 NITRIC OXIDE (CM3)  
ZP = -0.125 ZONAL MEANS



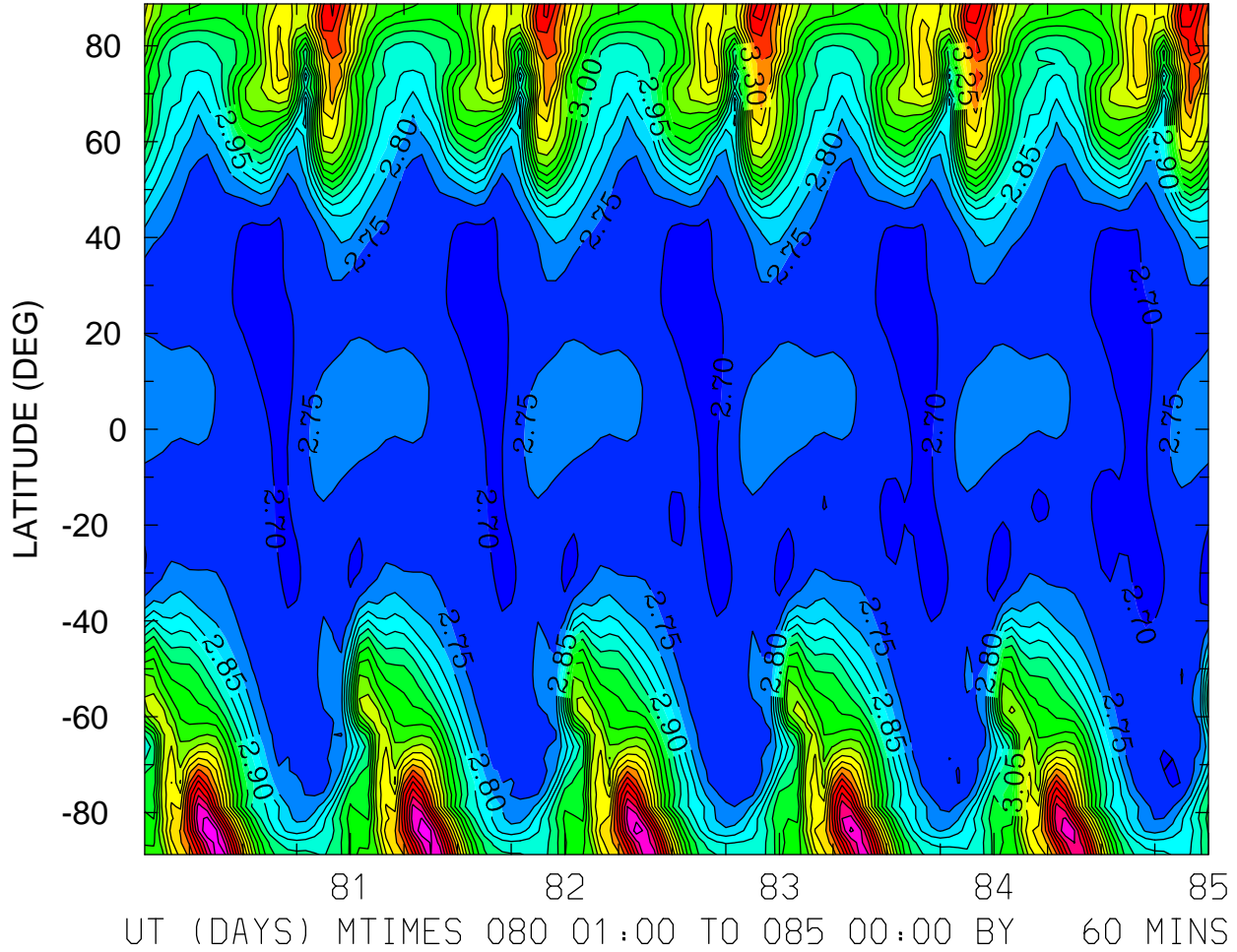
MIN,MAX= 5.6815E+00 6.3007E+00 INTERVAL= 5.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 NITRIC OXIDE (CM3)  
ZP = 3.875 LOCAL TIME = 0.00



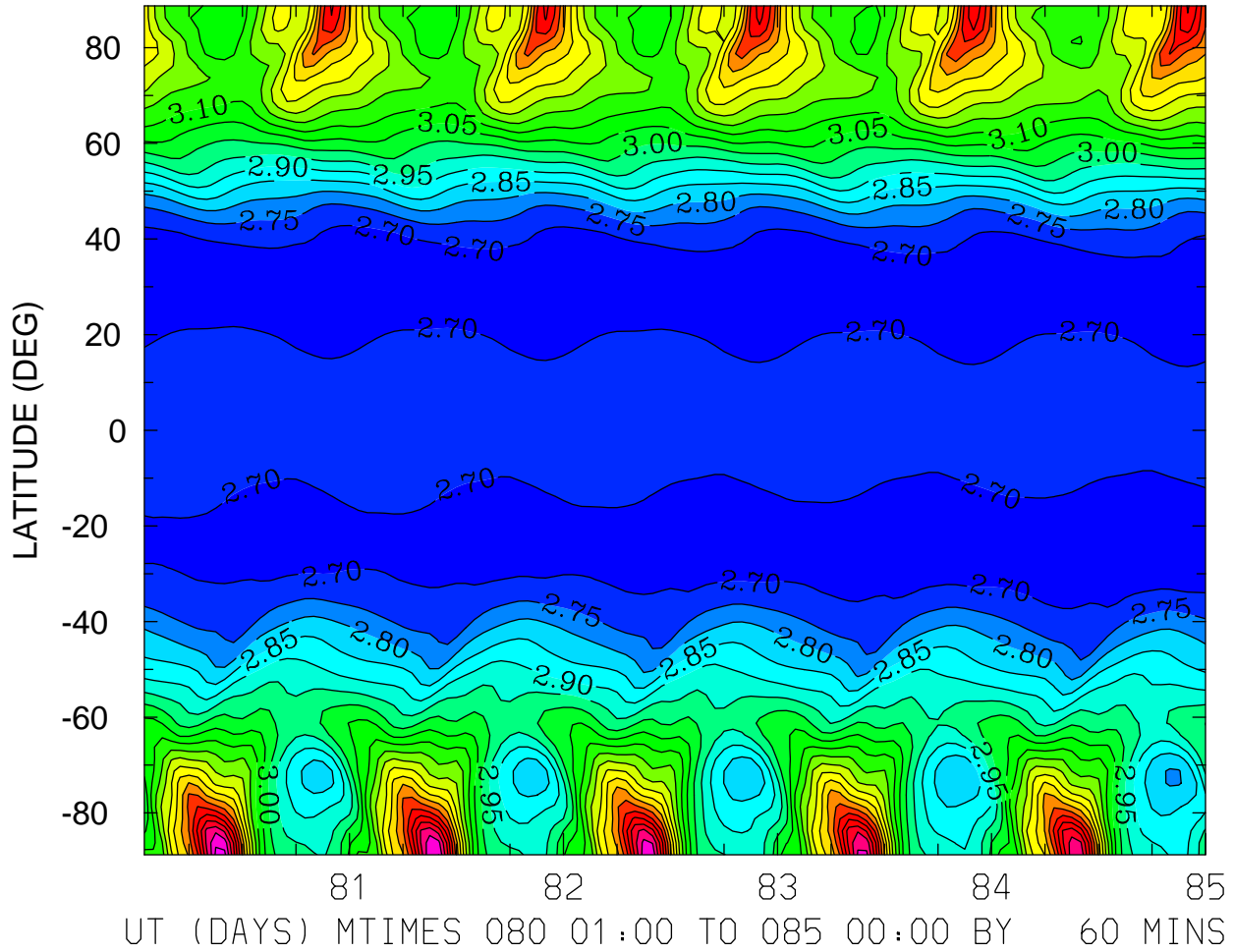
MIN,MAX= 2.4932E+00 3.7271E+00 INTERVAL= 1.0000E-01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 NITRIC OXIDE (CM3)  
ZP = 3.875 LOCAL TIME = 12.00



MIN,MAX= 2.6672E+00 3.7502E+00 INTERVAL= 5.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

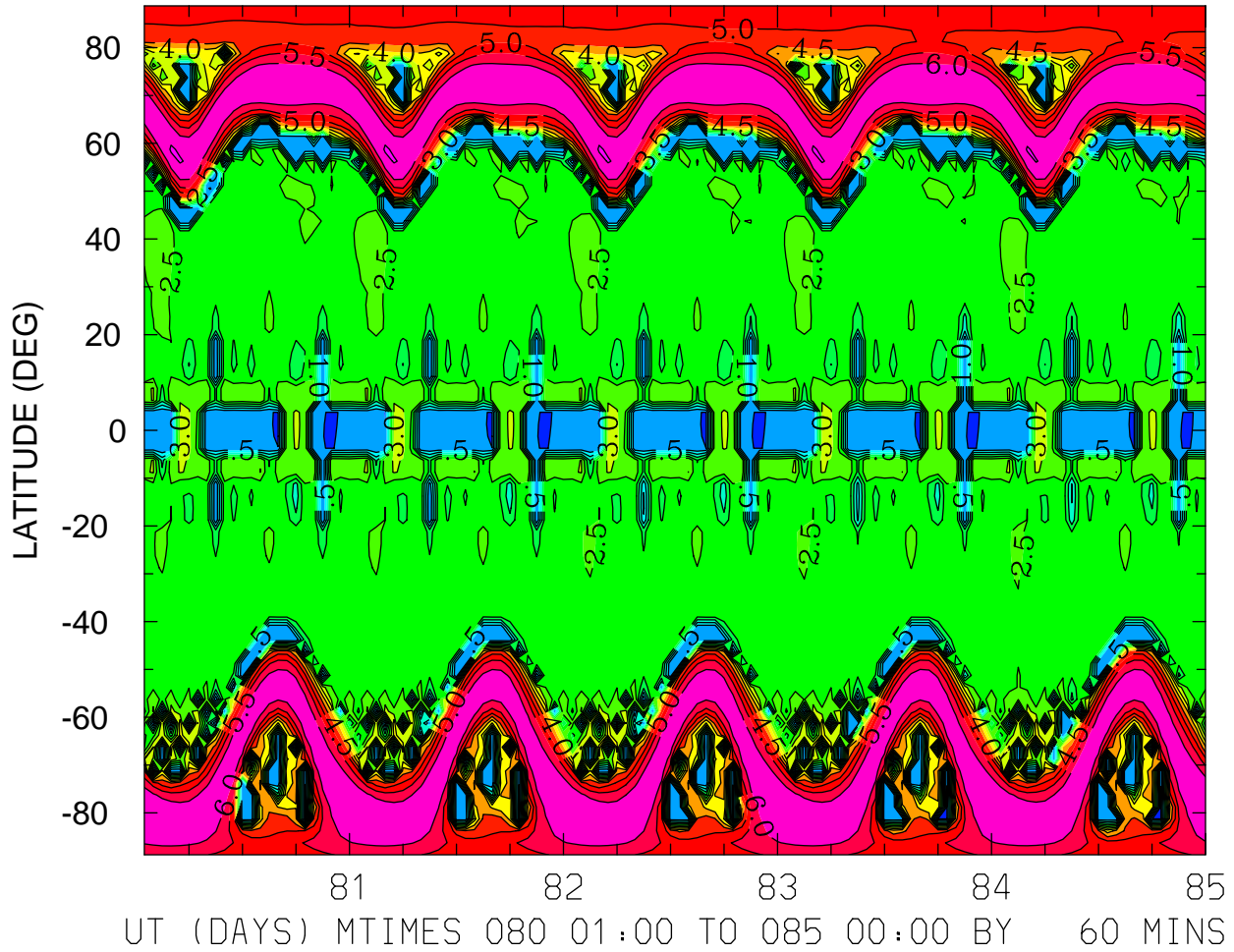
LOG10 NITRIC OXIDE (CM3)  
ZP = 3.875 ZONAL MEANS



MIN,MAX= 2.6725E+00 3.7142E+00 INTERVAL= 5.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

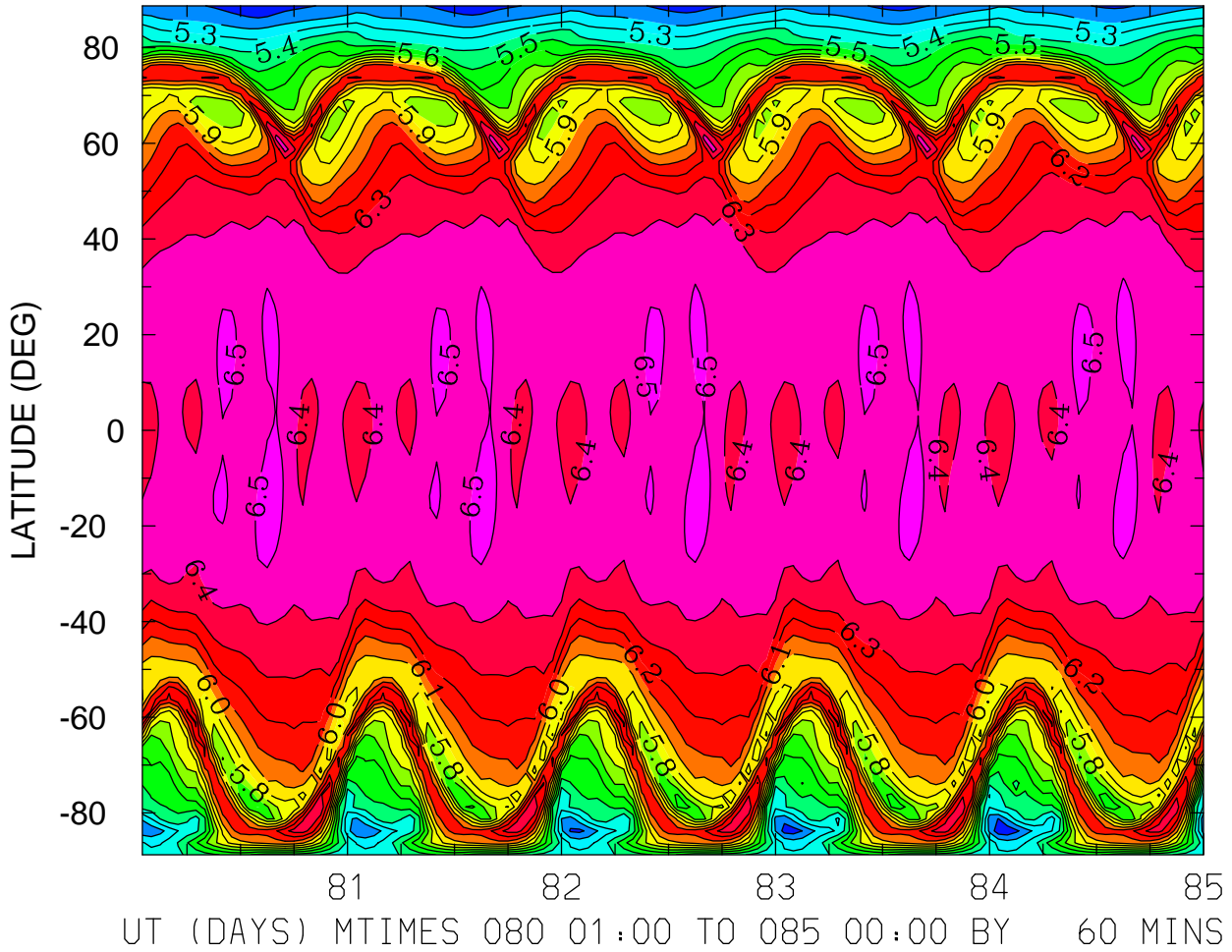


LOG10 N4S (CM3)  
ZP = -4.125 LOCAL TIME = 0.00



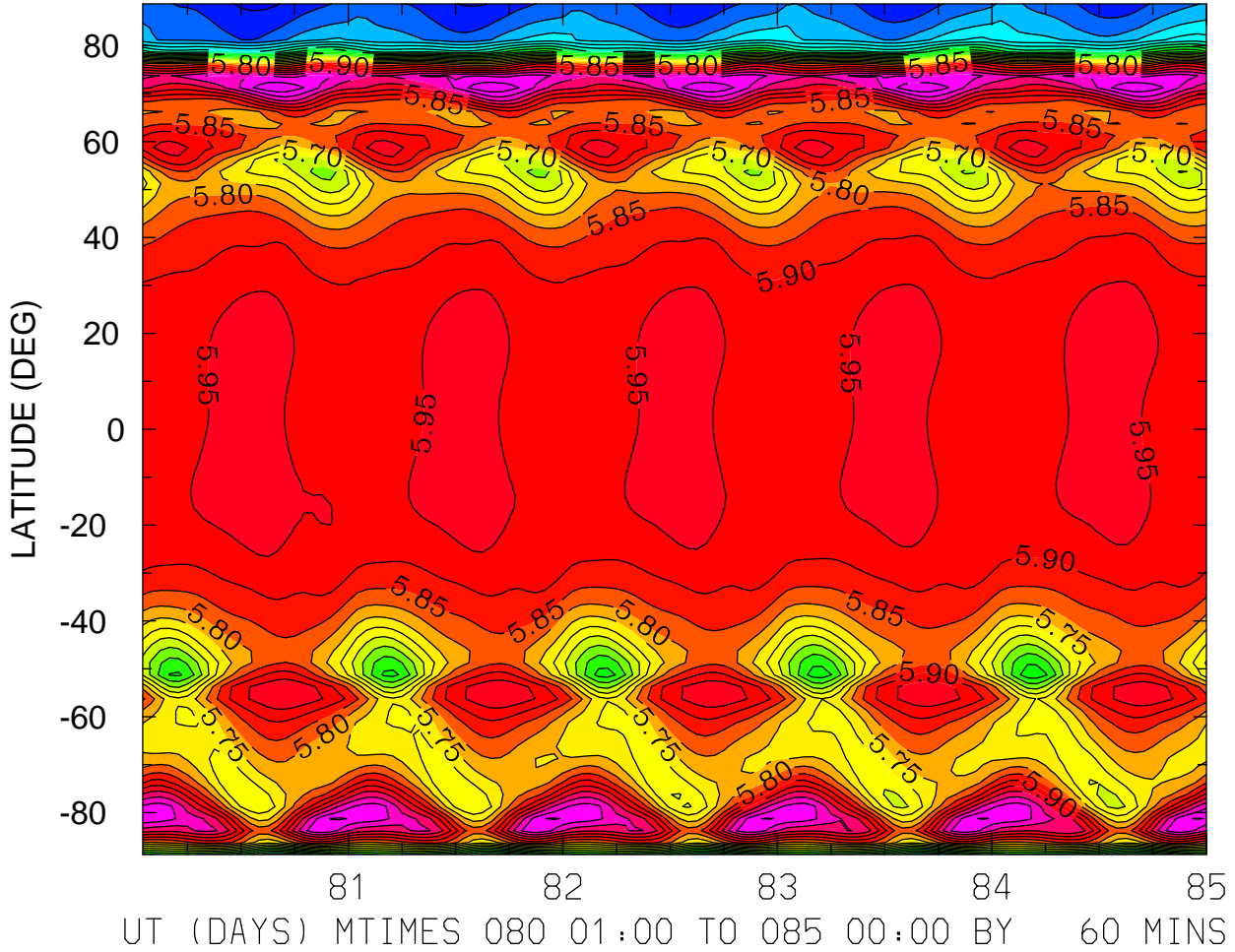
MIN,MAX= -1.6220E-02 6.5491E+00 INTERVAL= 5.0000E-01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 N4S (CM3)  
ZP = -4.125 LOCAL TIME = 12.00



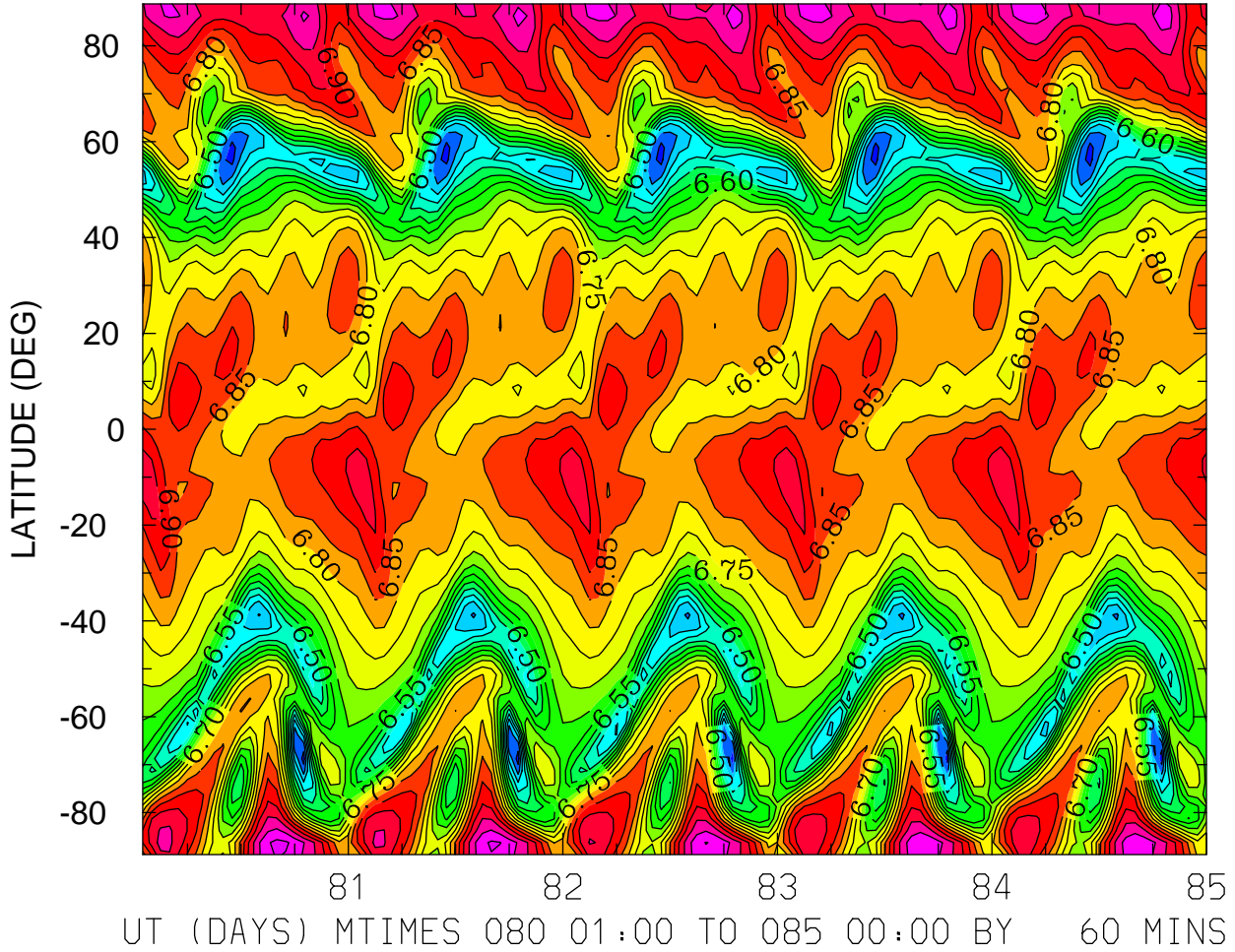
MIN,MAX= 5.0233E+00 6.5377E+00 INTERVAL= 1.0000E-01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 N4S (CM3)  
ZP = -4.125 ZONAL MEANS



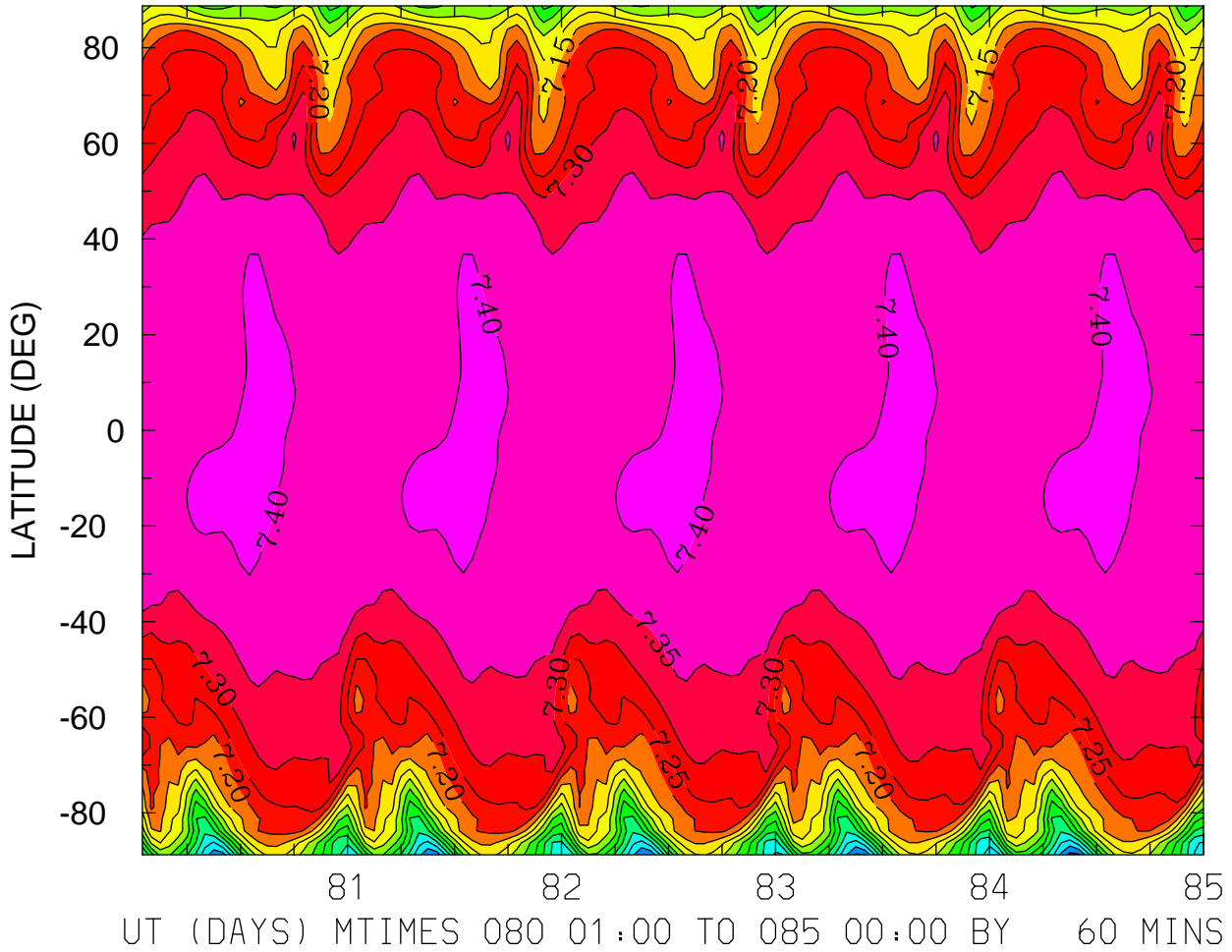
MIN,MAX= 5.0391E+00 6.1970E+00 INTERVAL= 5.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 N4S (CM3)  
ZP = -0.125 LOCAL TIME = 0.00



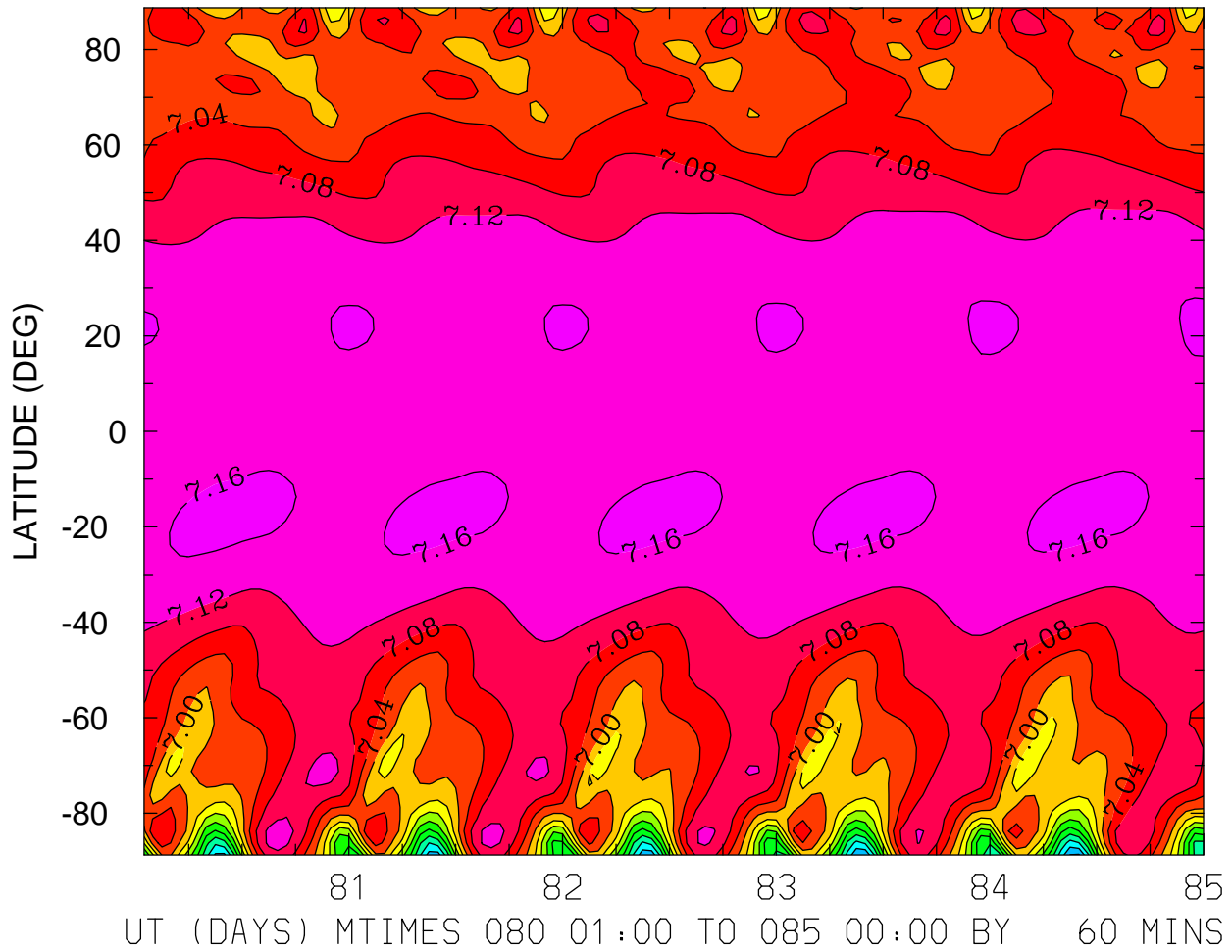
MIN,MAX= 6.2728E+00 7.1133E+00 INTERVAL= 5.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 N4S (CM3)  
ZP = -0.125 LOCAL TIME = 12.00



MIN,MAX= 6.6847E+00 7.4210E+00 INTERVAL= 5.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

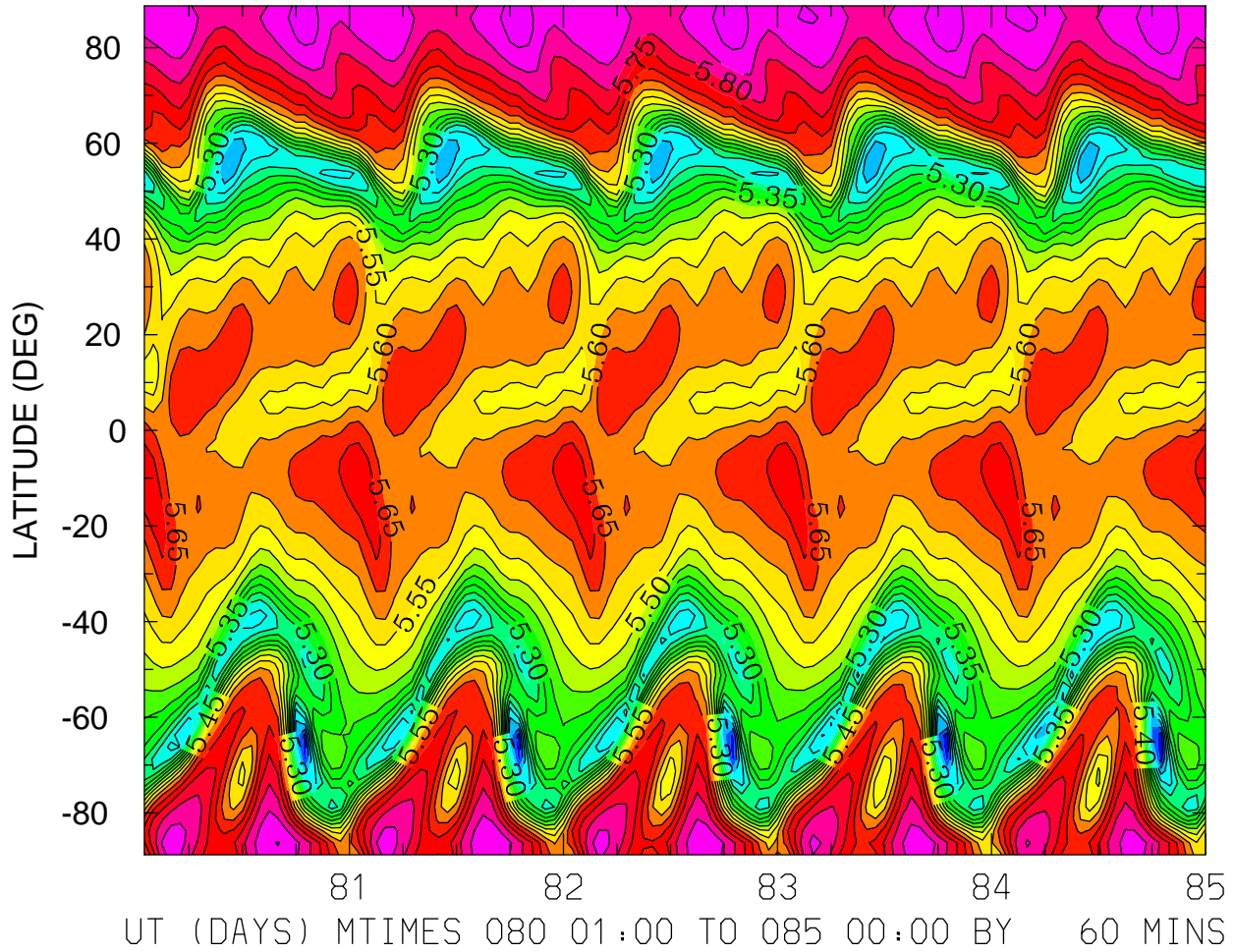
LOG10 N4S (CM3)  
ZP = -0.125 ZONAL MEANS



MIN,MAX= 6.6761E+00 7.1711E+00 INTERVAL= 4.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc



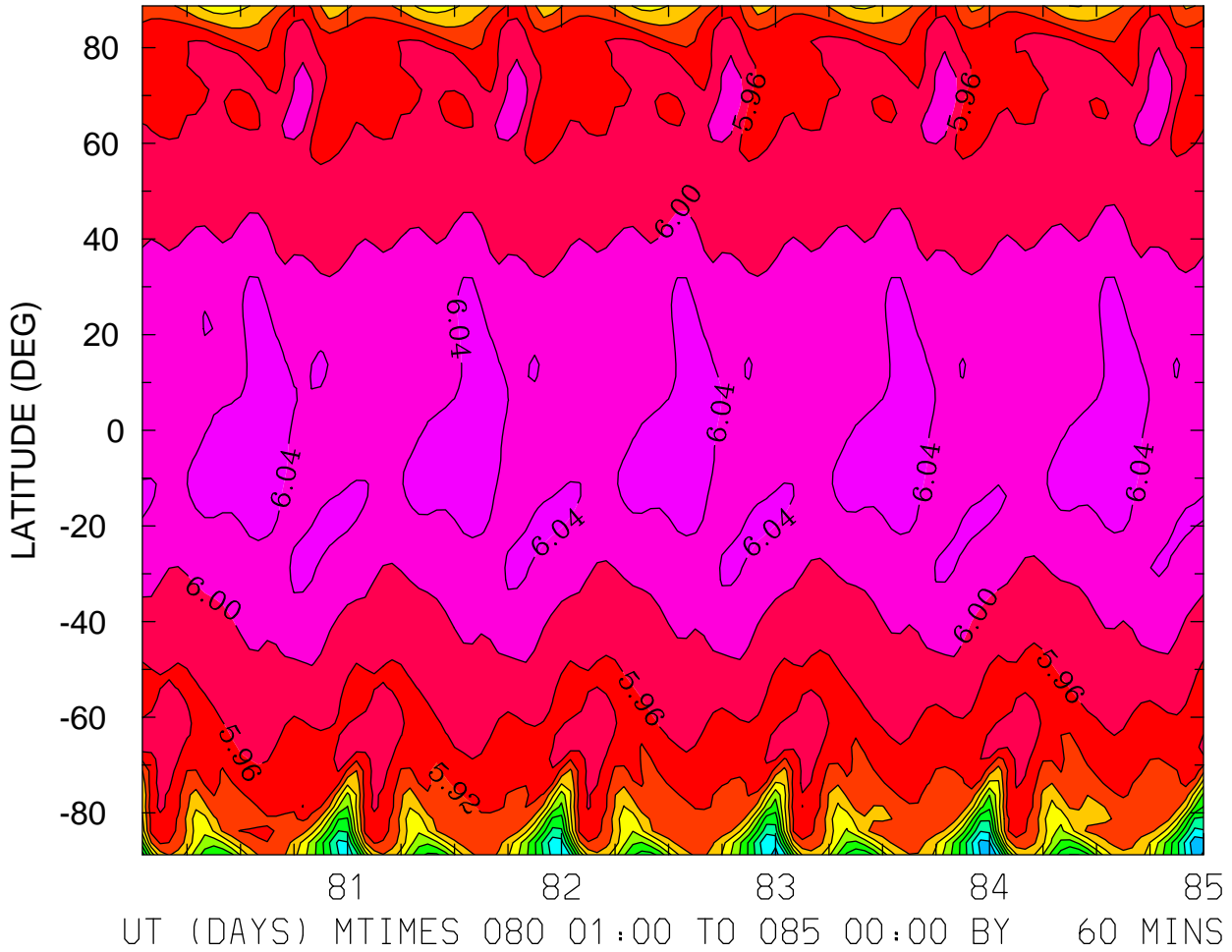
LOG10 N4S (CM3)  
ZP = 3.875 LOCAL TIME = 0.00



MIN,MAX= 5.0006E+00 5.9400E+00 INTERVAL= 5.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

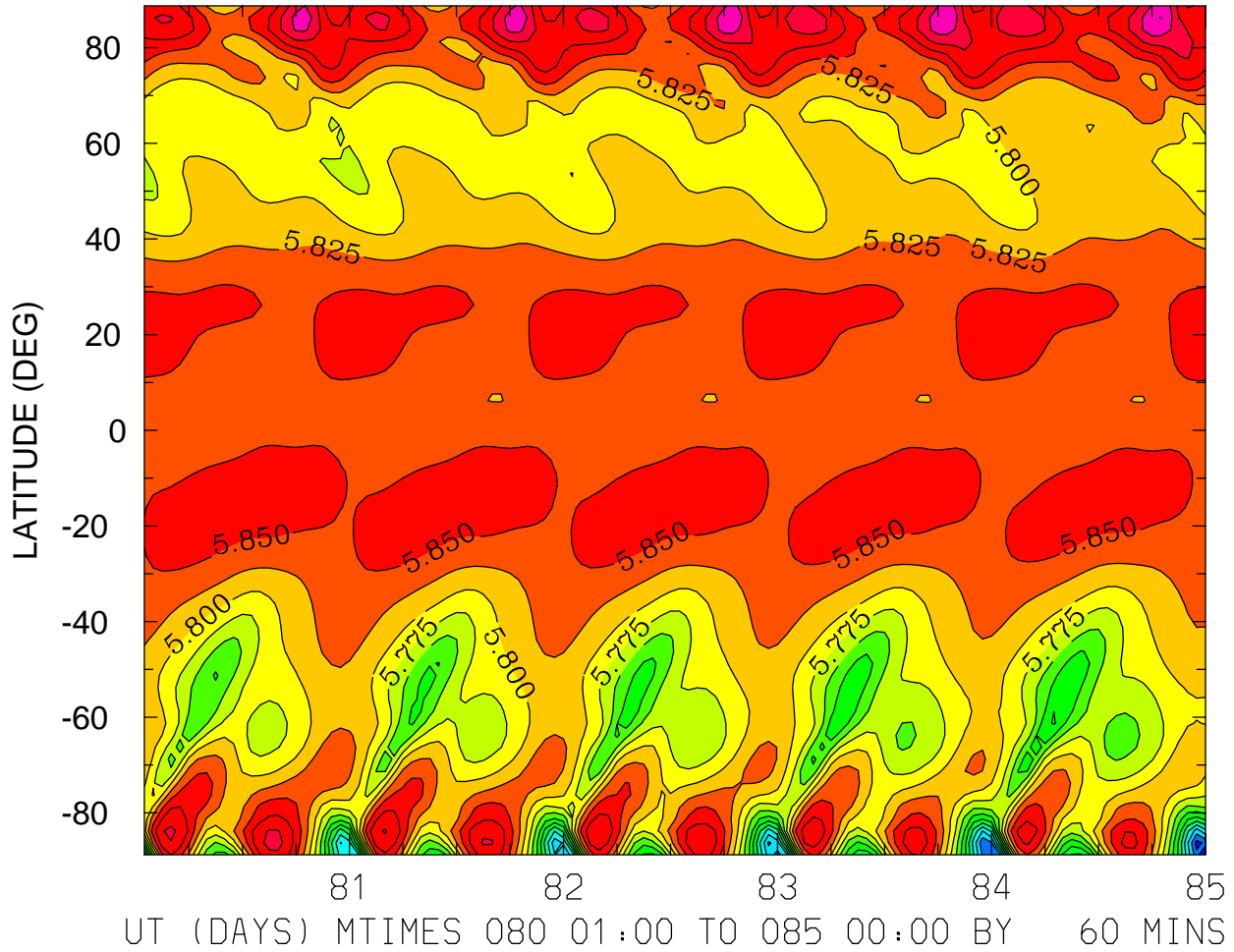


LOG10 N4S (CM3)  
ZP = 3.875 LOCAL TIME = 12.00



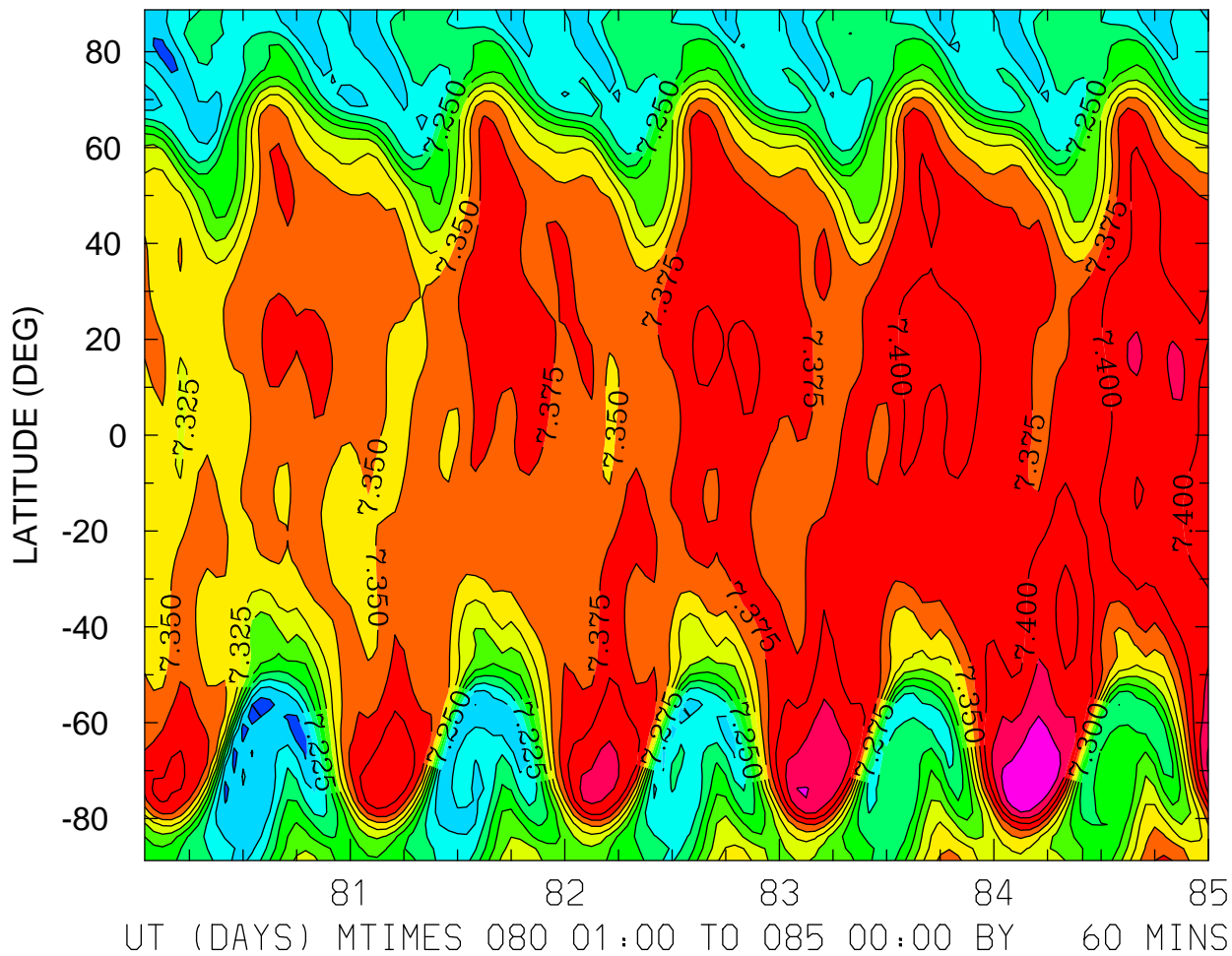
MIN,MAX= 5.5534E+00 6.0684E+00 INTERVAL= 4.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 N4S (CM3)  
ZP = 3.875 ZONAL MEANS



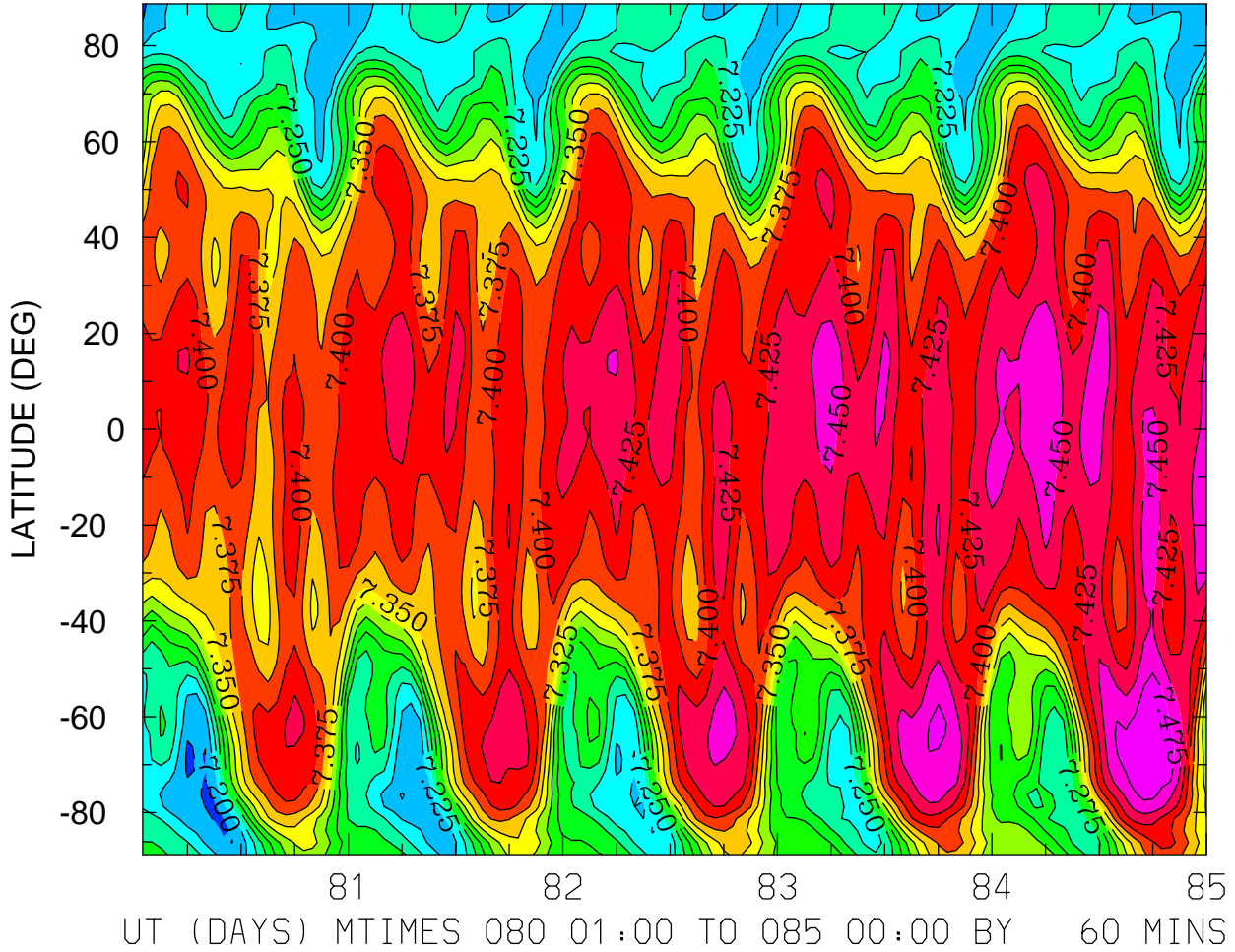
MIN,MAX= 5.5570E+00 5.9506E+00 INTERVAL= 2.5000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 HELIUM (HE) (CM3)  
ZP = -4.125 LOCAL TIME = 0.00



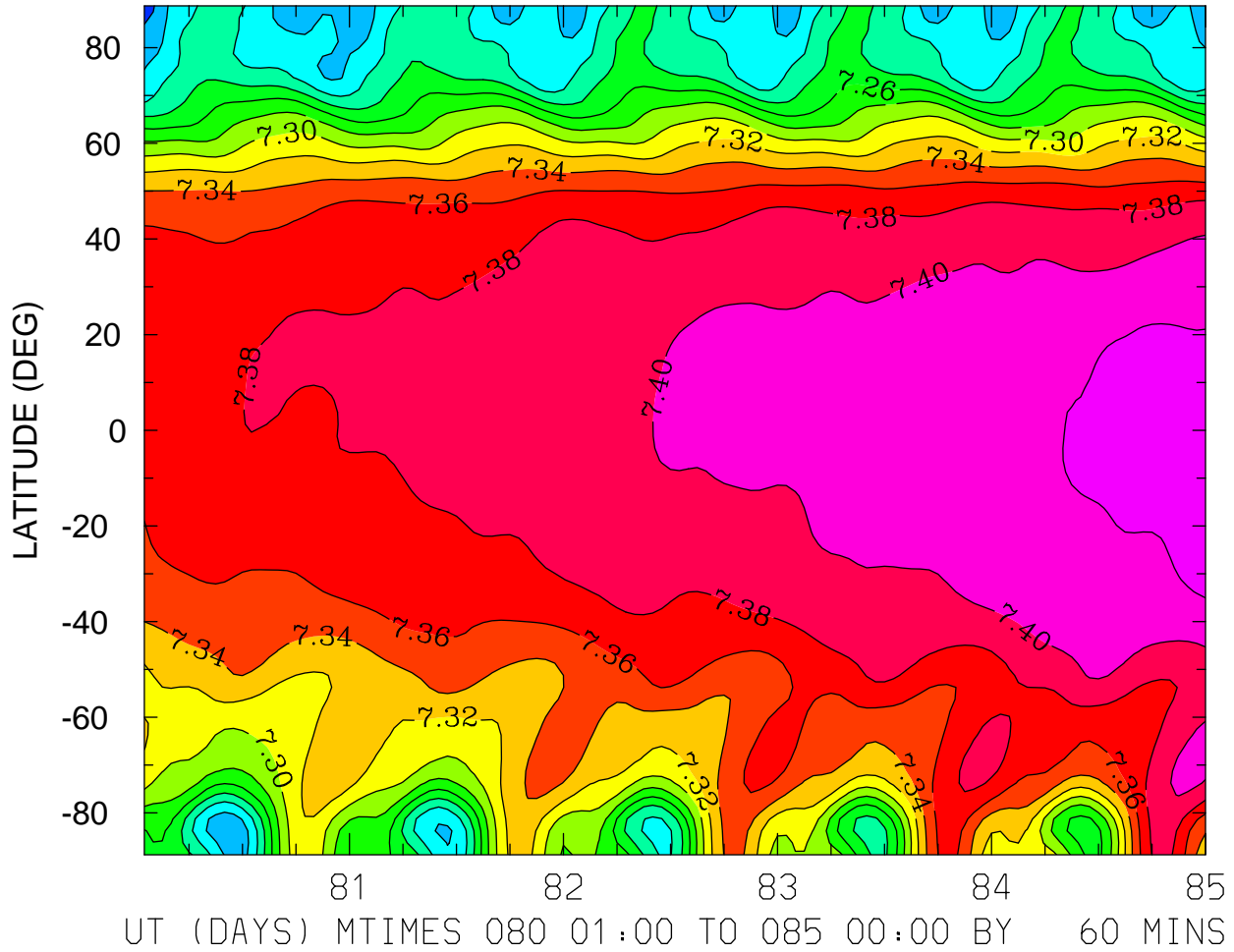
MIN,MAX= 7.1639E+00 7.4708E+00 INTERVAL= 2.5000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 HELIUM (HE) (CM3)  
ZP = -4.125 LOCAL TIME = 12.00



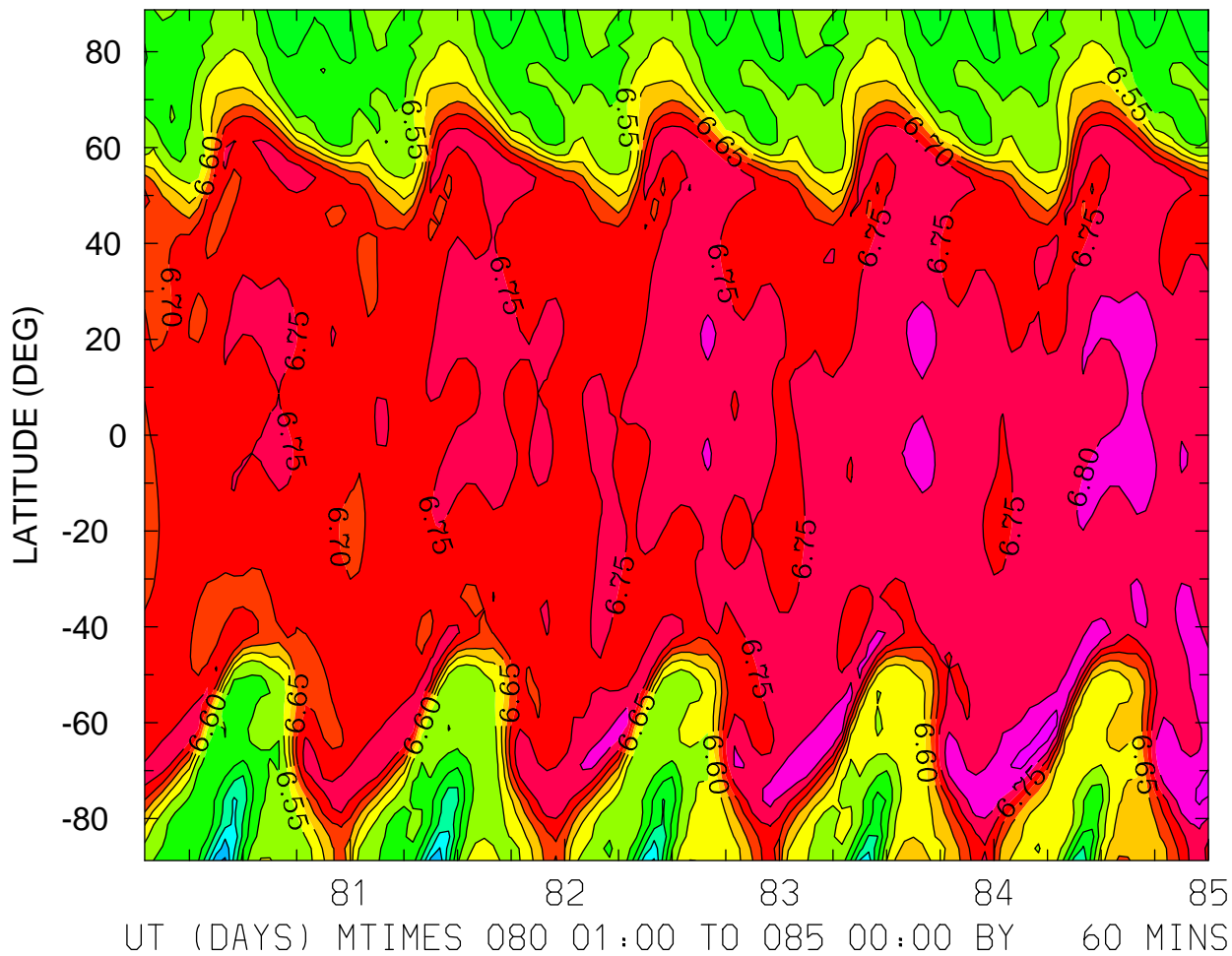
MIN,MAX= 7.1674E+00 7.4978E+00 INTERVAL= 2.5000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 HELIUM (HE) (CM3)  
ZP = -4.125 ZONAL MEANS



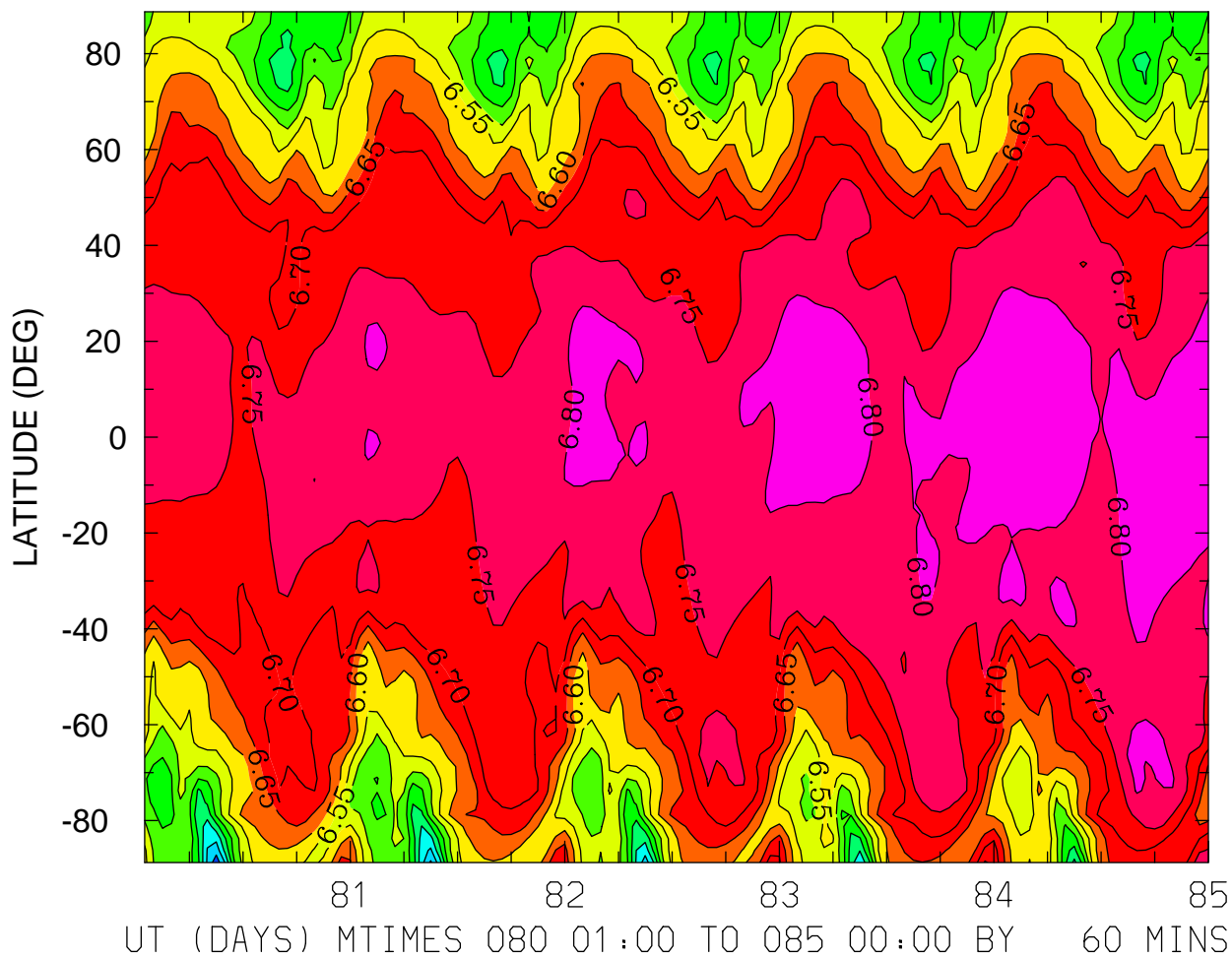
MIN,MAX= 7.1759E+00 7.4266E+00 INTERVAL= 2.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 HELIUM (HE) (CM3)  
ZP = -0.125 LOCAL TIME = 0.00



MIN,MAX= 6.2425E+00 6.8648E+00 INTERVAL= 5.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

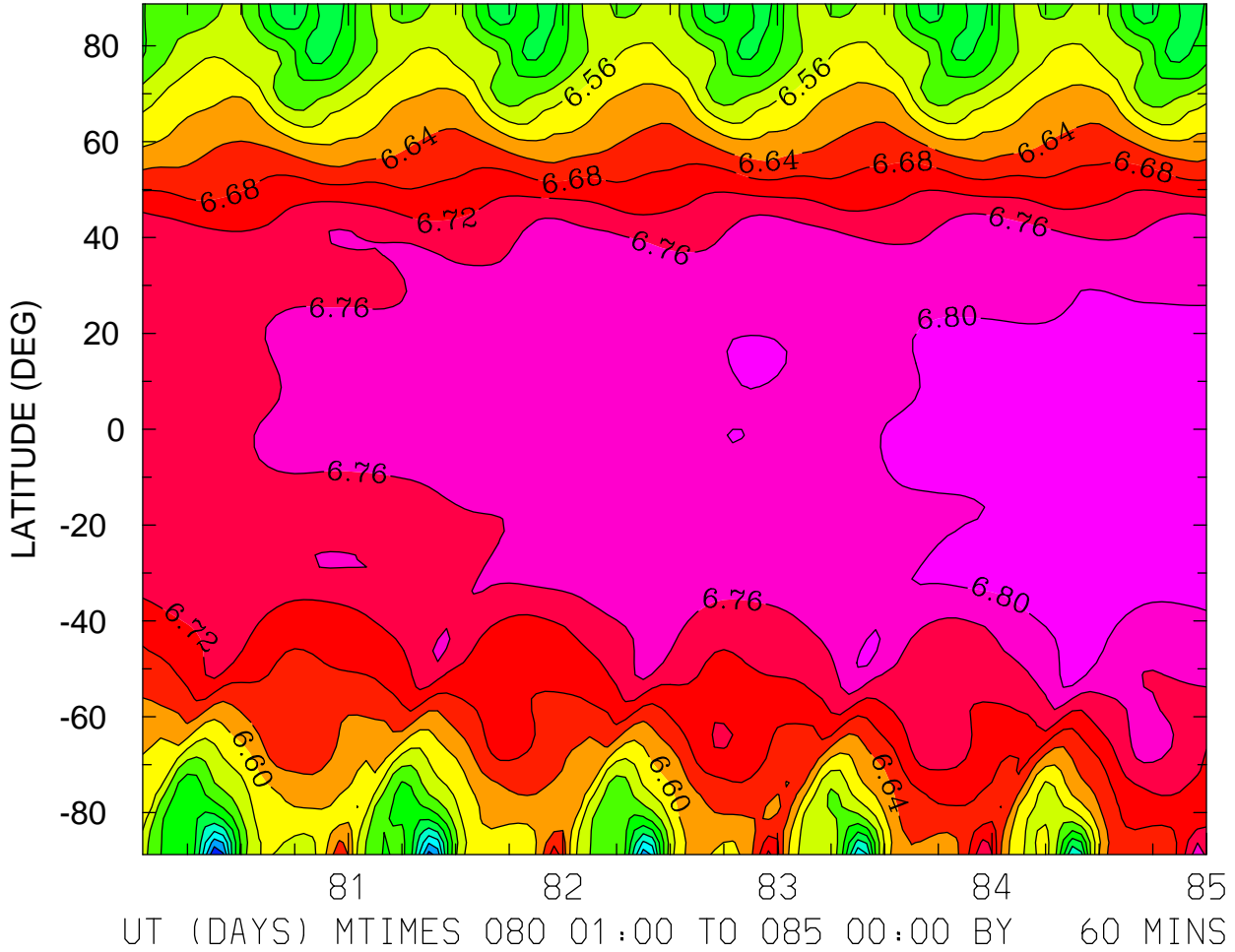
LOG10 HELIUM (HE) (CM3)  
ZP = -0.125 LOCAL TIME = 12.00



MIN,MAX= 6.2188E+00 6.8495E+00 INTERVAL= 5.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

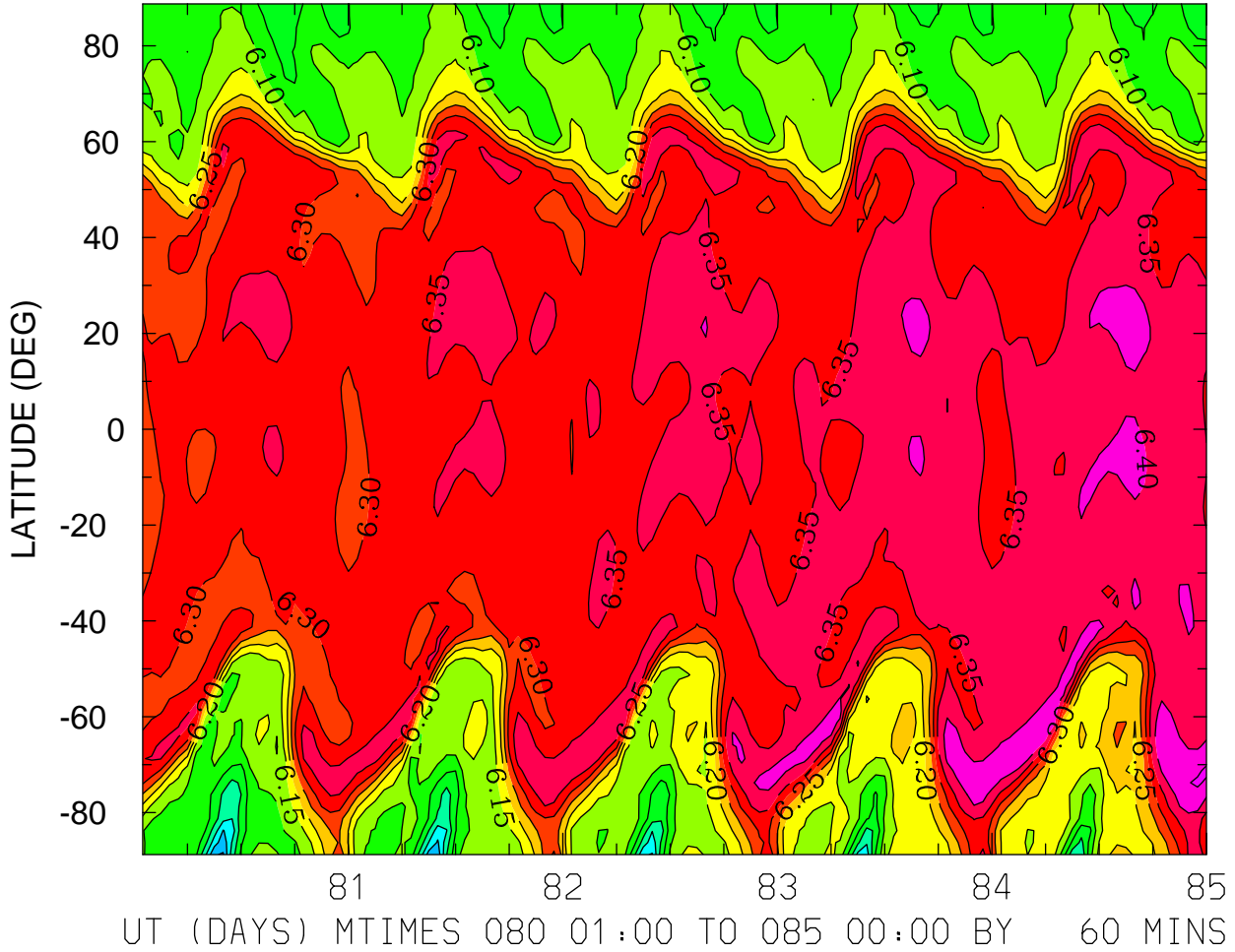


LOG10 HELIUM (HE) (CM3)  
ZP = -0.125 ZONAL MEANS



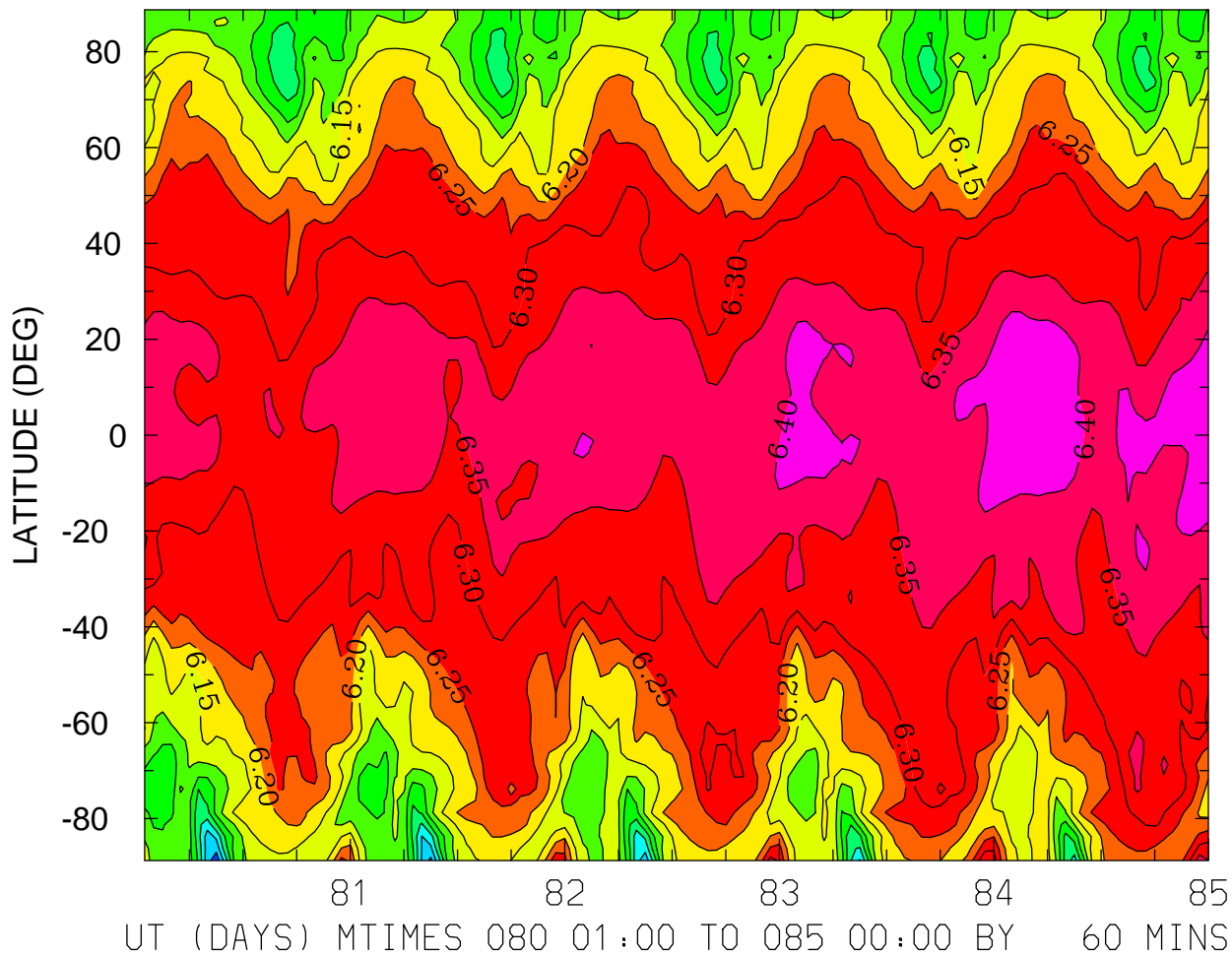
MIN,MAX= 6.2407E+00 6.8330E+00 INTERVAL= 4.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 HELIUM (HE) (CM3)  
ZP = 3.875 LOCAL TIME = 0.00



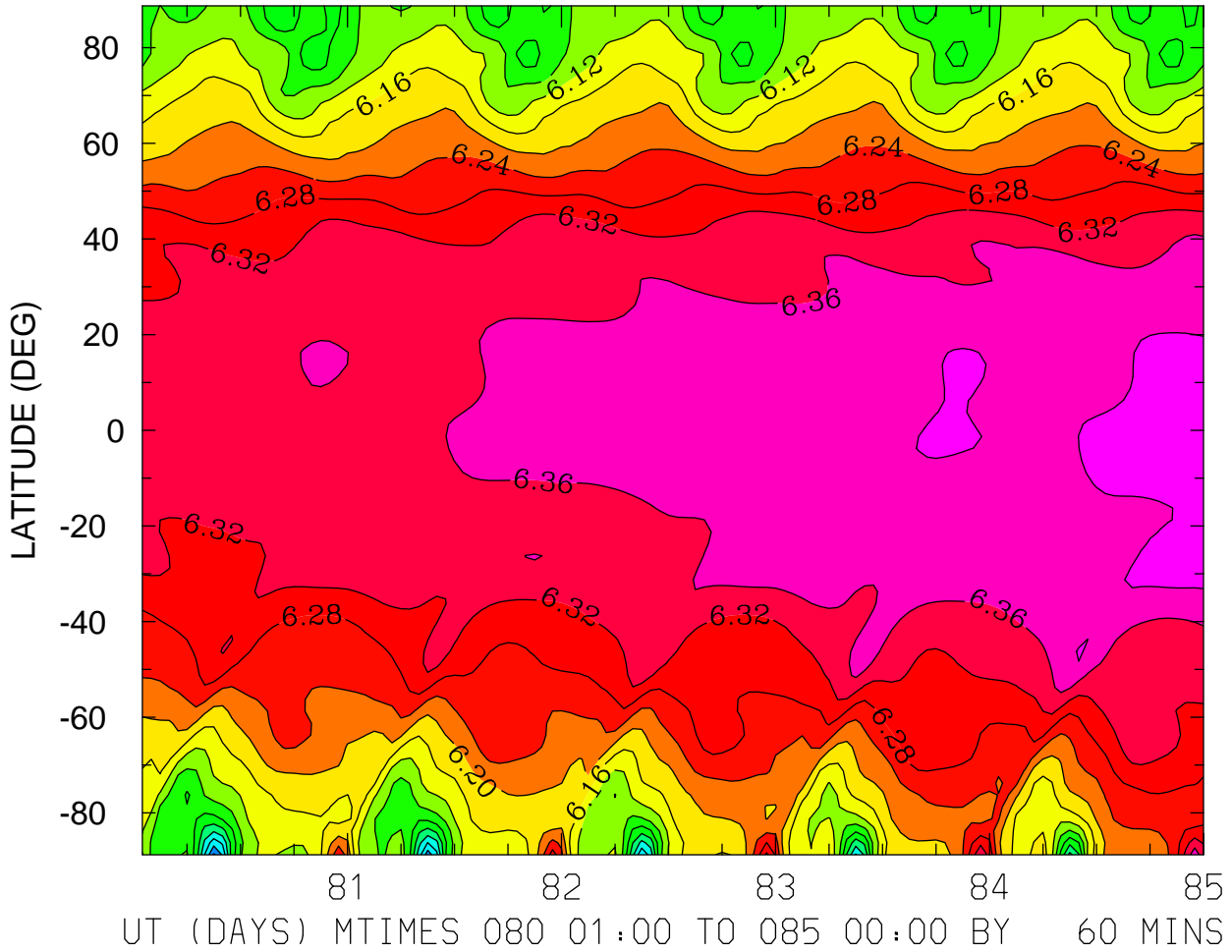
MIN,MAX= 5.8459E+00 6.4570E+00 INTERVAL= 5.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 HELIUM (HE) (CM3)  
ZP = 3.875 LOCAL TIME = 12.00



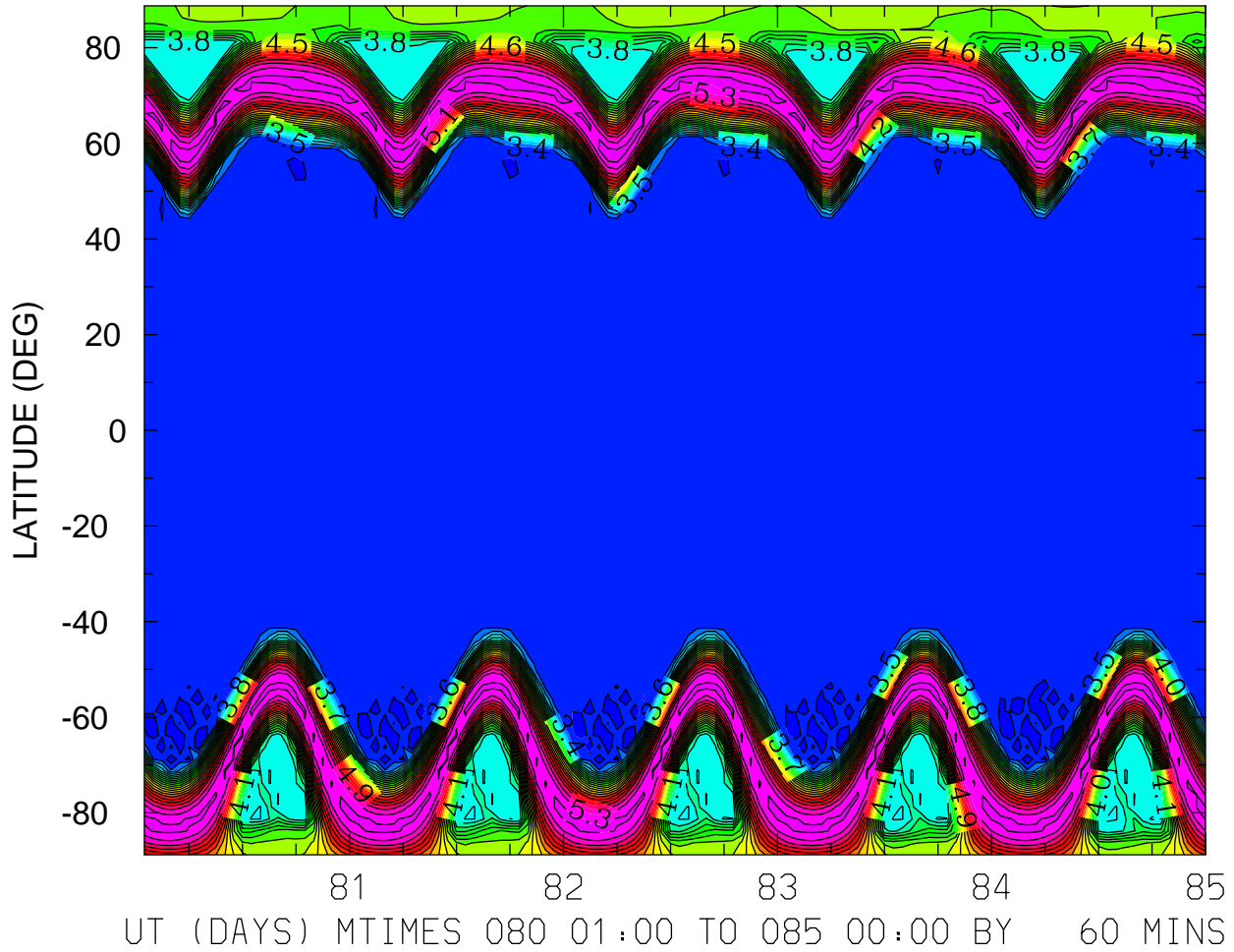
MIN,MAX= 5.8139E+00 6.4358E+00 INTERVAL= 5.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 HELIUM (HE) (CM3)  
ZP = 3.875 ZONAL MEANS



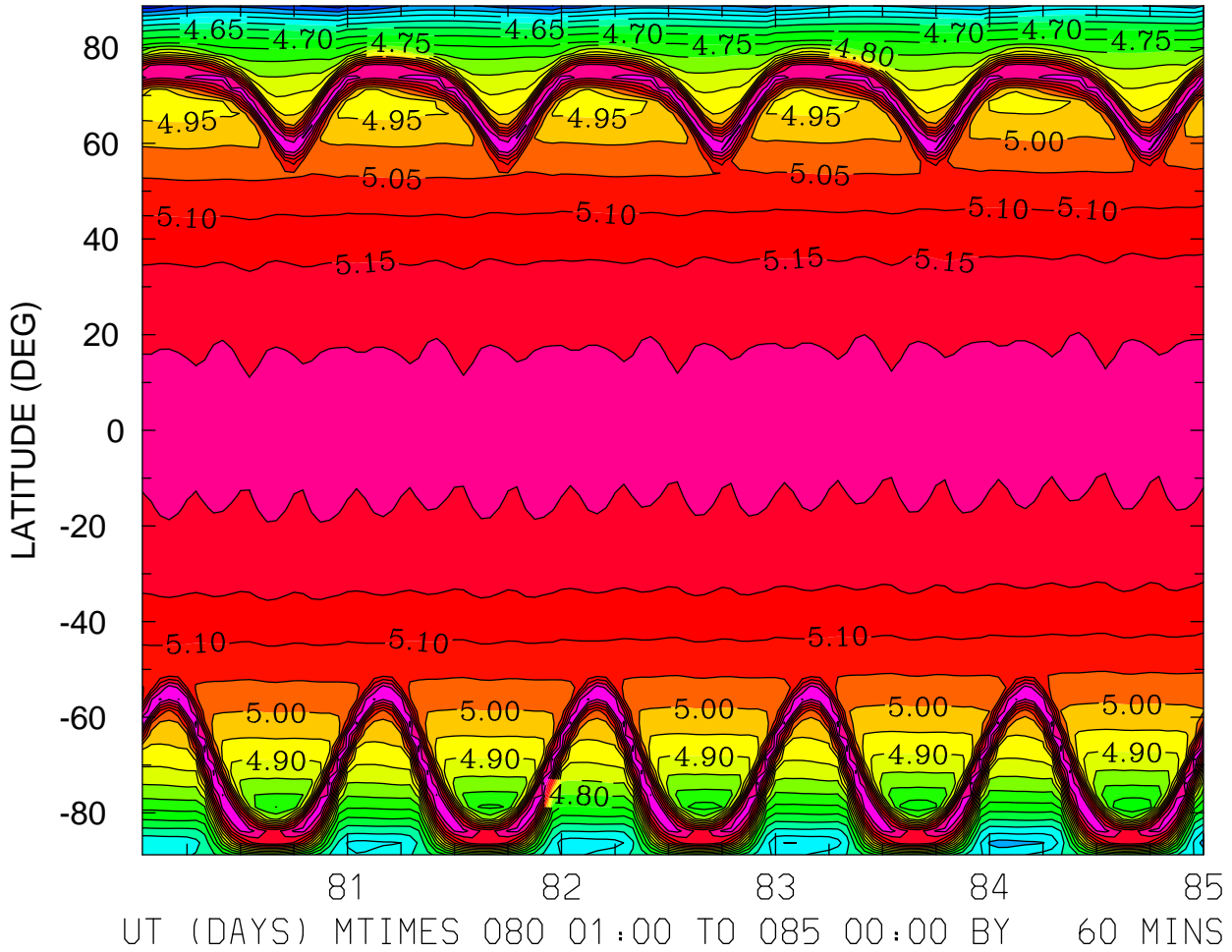
MIN,MAX= 5.8344E+00 6.4157E+00 INTERVAL= 4.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 ELECTRON DENSITY (CM3)  
ZP = -4.000 LOCAL TIME = 0.00



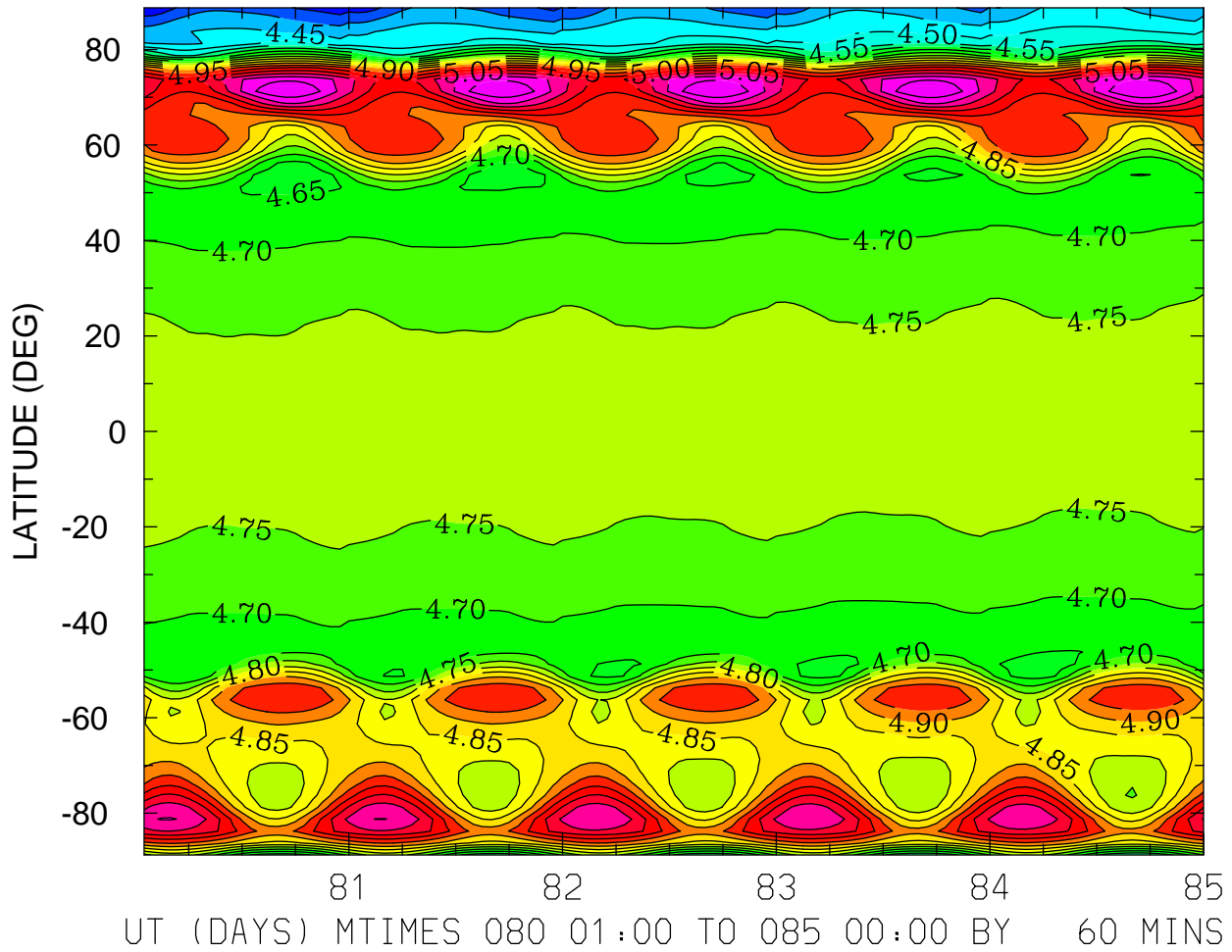
MIN,MAX= 3.2224E+00 5.4324E+00 INTERVAL= 1.0000E-01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 ELECTRON DENSITY (CM3)  
ZP = -4.000 LOCAL TIME = 12.00



MIN,MAX= 4.3657E+00 5.3214E+00 INTERVAL= 5.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

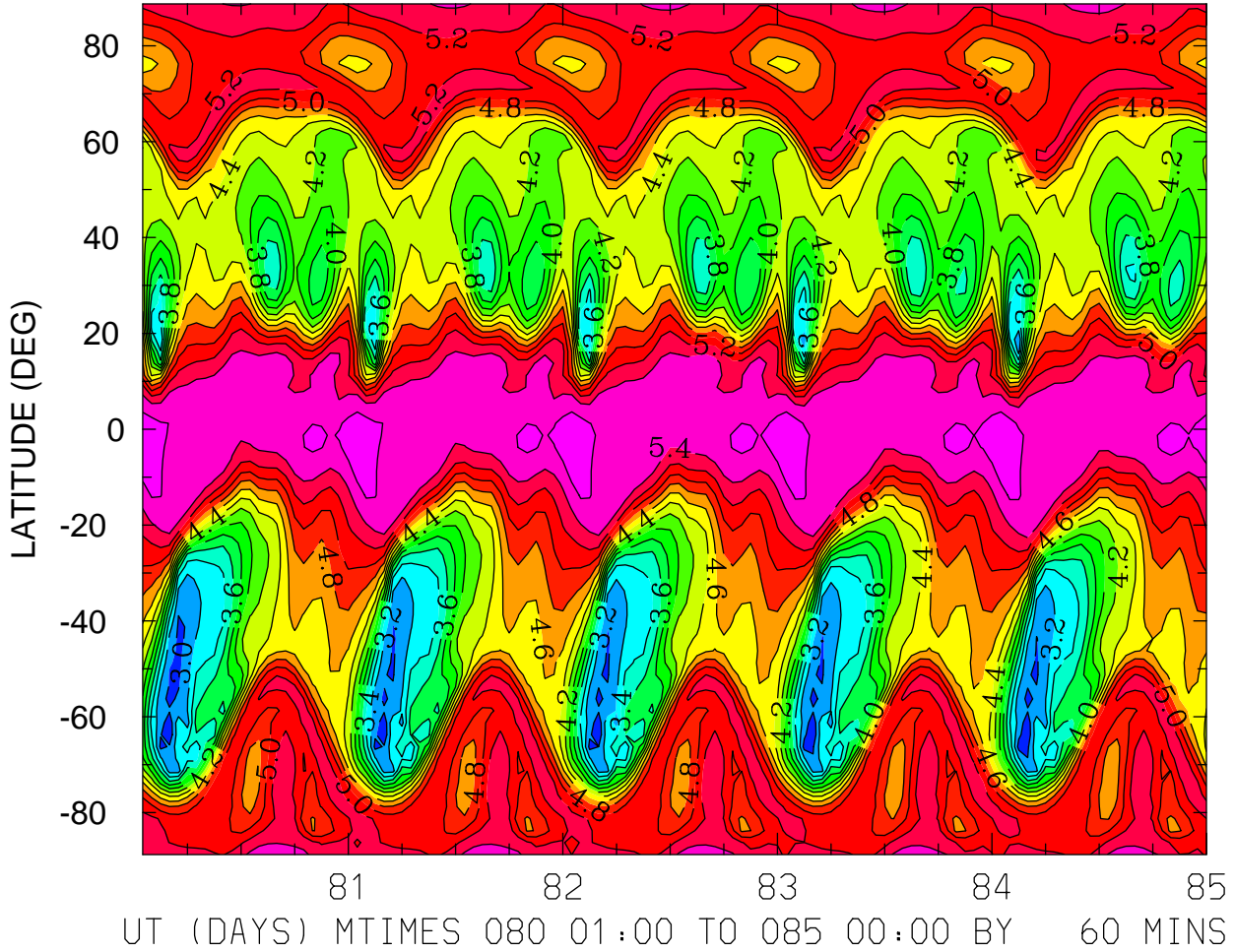
LOG10 ELECTRON DENSITY (CM3)  
ZP = -4.000 ZONAL MEANS



MIN,MAX= 4.3057E+00 5.2506E+00 INTERVAL= 5.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

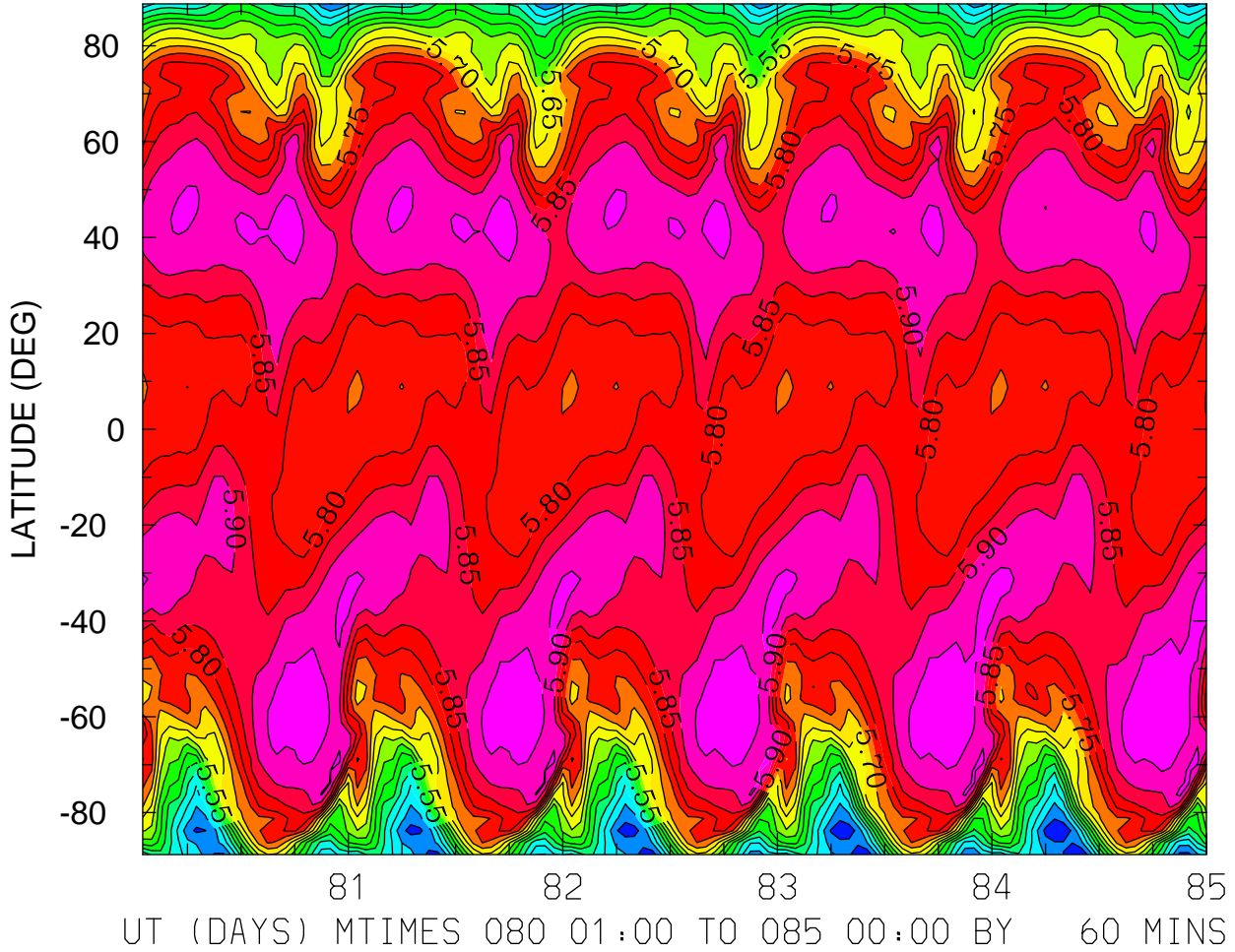


LOG10 ELECTRON DENSITY (CM3)  
ZP = 0.000 LOCAL TIME = 0.00



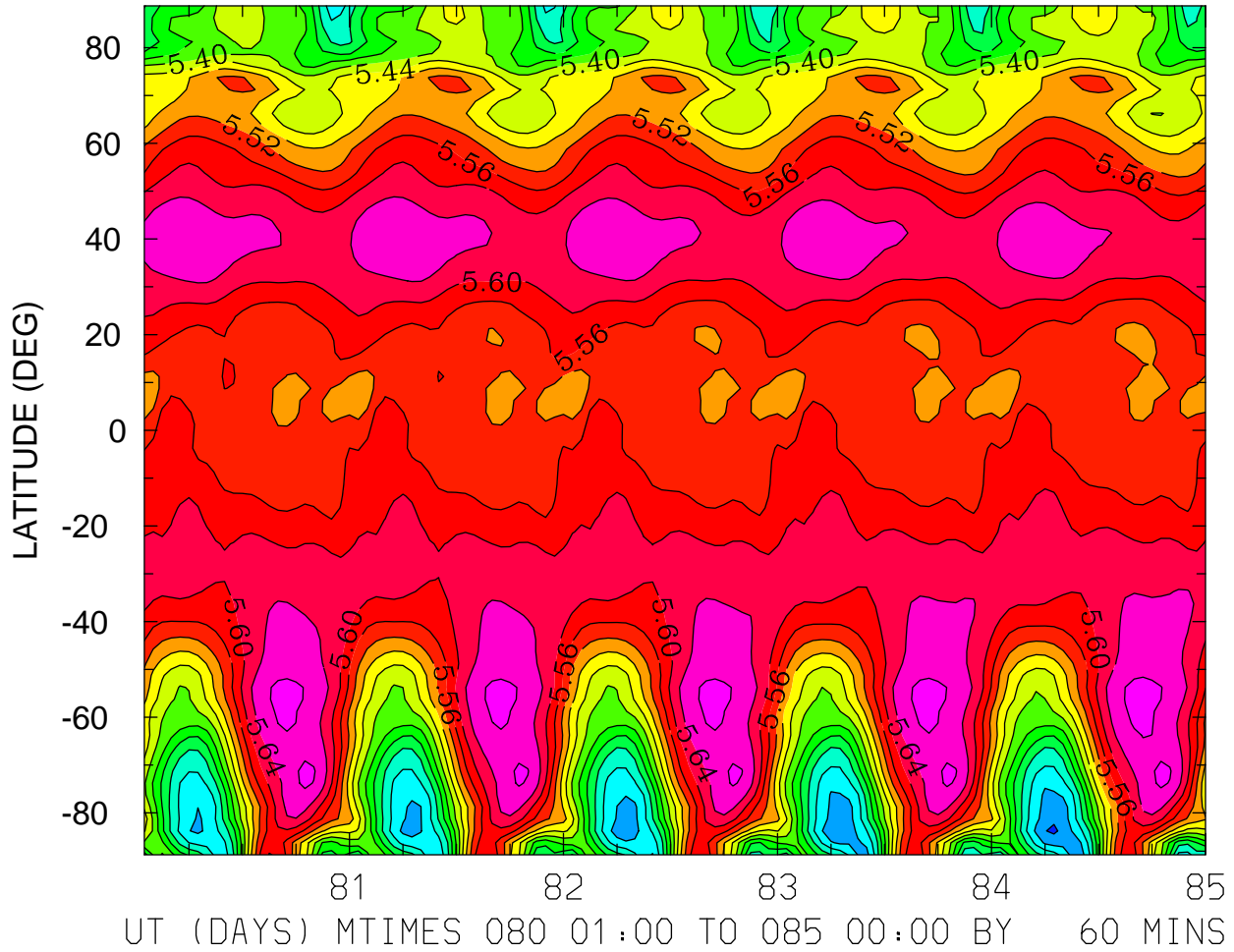
MIN,MAX= 2.8453E+00 5.7363E+00 INTERVAL= 2.0000E-01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 ELECTRON DENSITY (CM3)  
ZP = 0.000 LOCAL TIME = 12.00



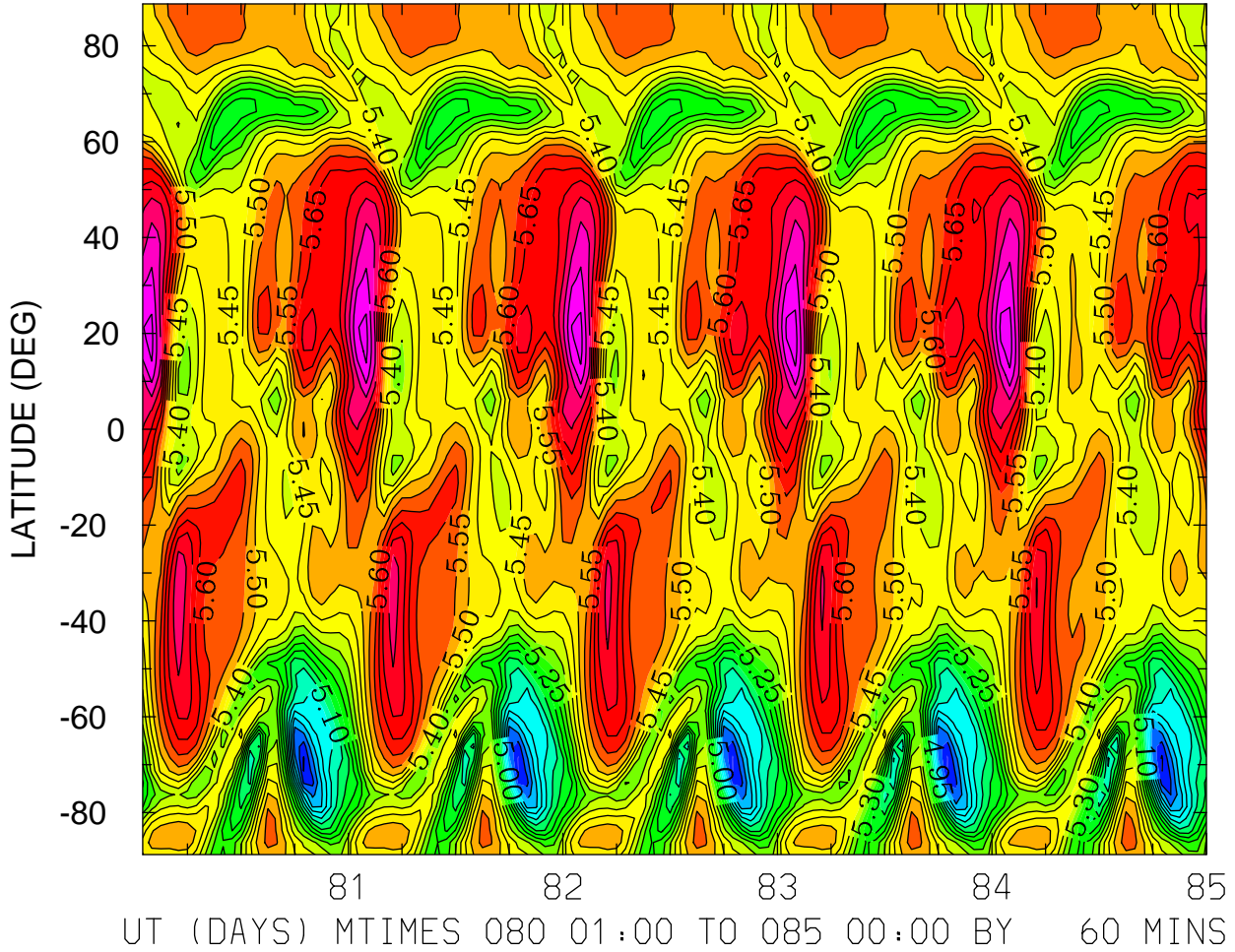
MIN,MAX= 5.2024E+00 5.9783E+00 INTERVAL= 5.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 ELECTRON DENSITY (CM3)  
ZP = 0.000 ZONAL MEANS



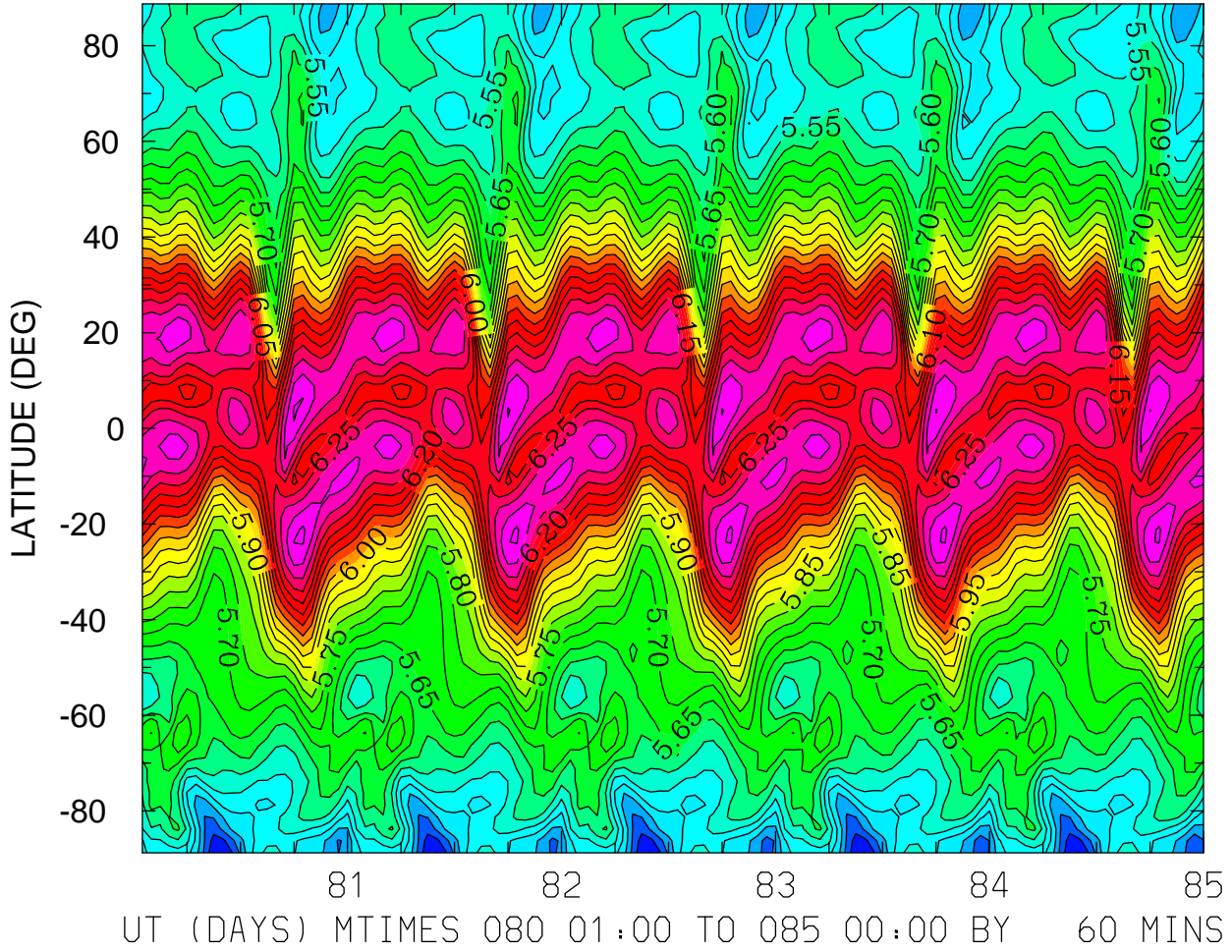
MIN,MAX= 5.1520E+00 5.6904E+00 INTERVAL= 4.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 ELECTRON DENSITY (CM3)  
ZP = 4.000 LOCAL TIME = 0.00



MIN,MAX= 4.7920E+00 5.9238E+00 INTERVAL= 5.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

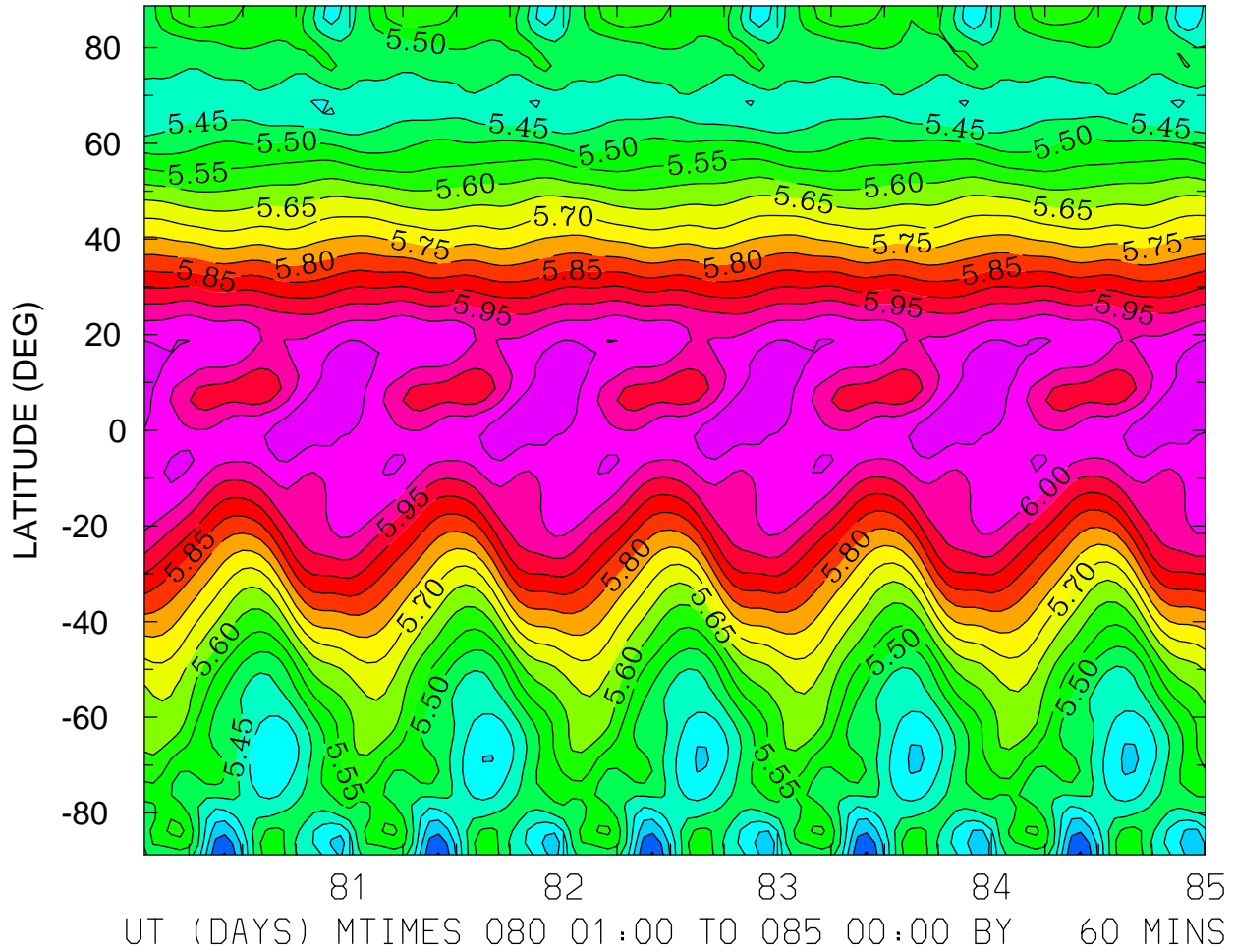
LOG10 ELECTRON DENSITY (CM3)  
ZP = 4.000 LOCAL TIME = 12.00



MIN,MAX= 5.2481E+00 6.4089E+00 INTERVAL= 5.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

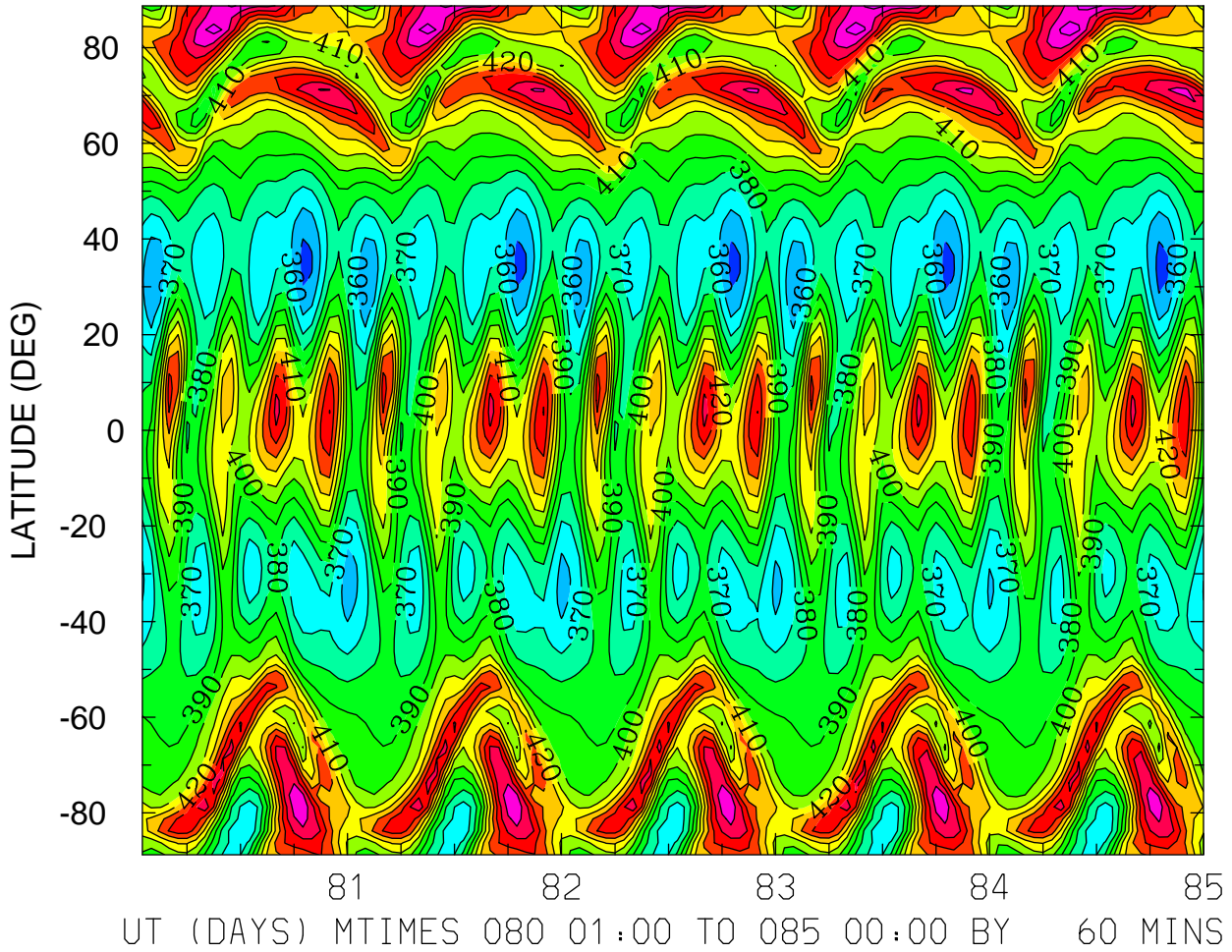


LOG10 ELECTRON DENSITY (CM3)  
ZP = 4.000 ZONAL MEANS



MIN,MAX= 5.2444E+00 6.0951E+00 INTERVAL= 5.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

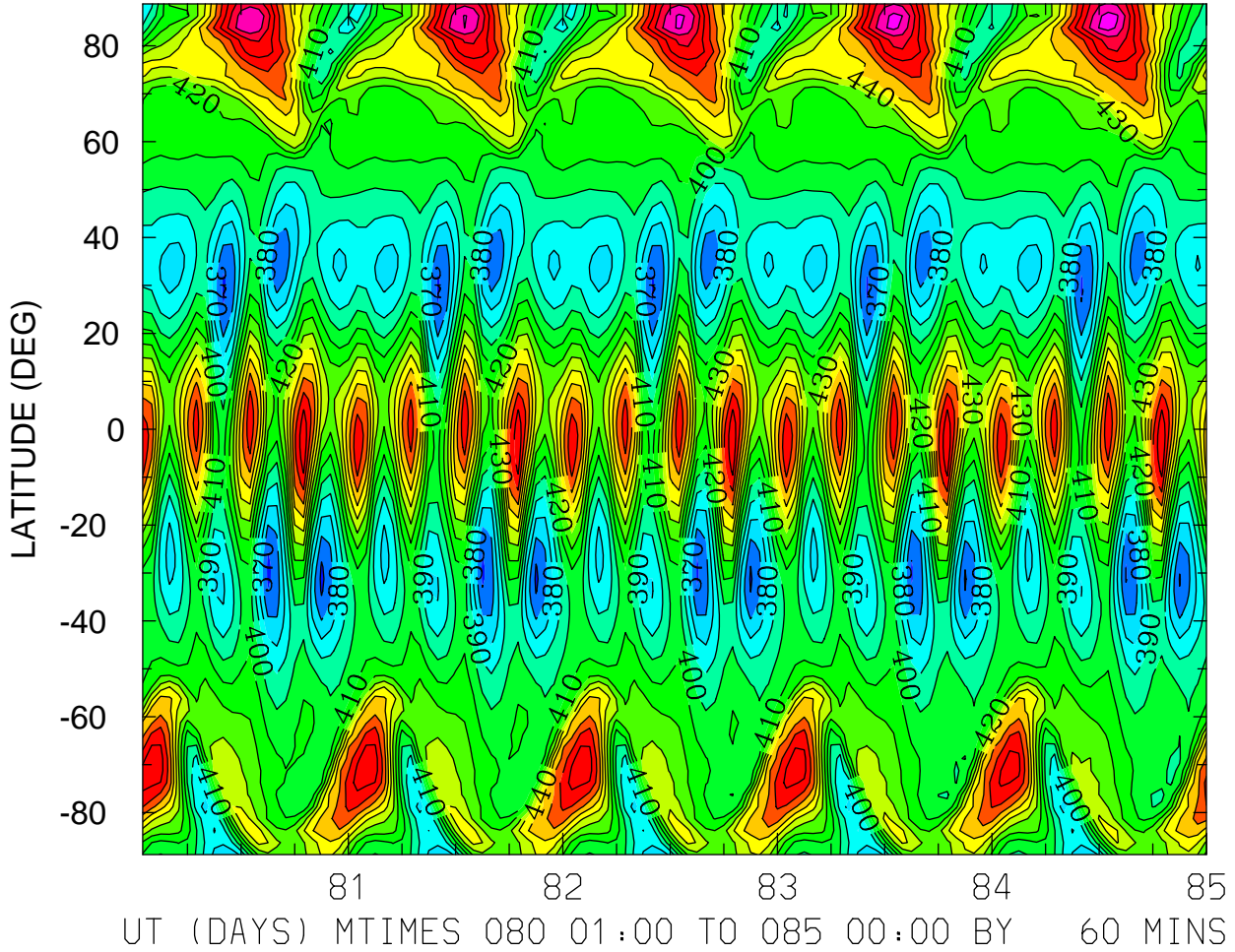
ELECTRON TEMPERATURE (DEG K)  
ZP = -4.125 LOCAL TIME = 0.00



MIN,MAX= 3.4688E+02 4.7591E+02 INTERVAL= 1.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

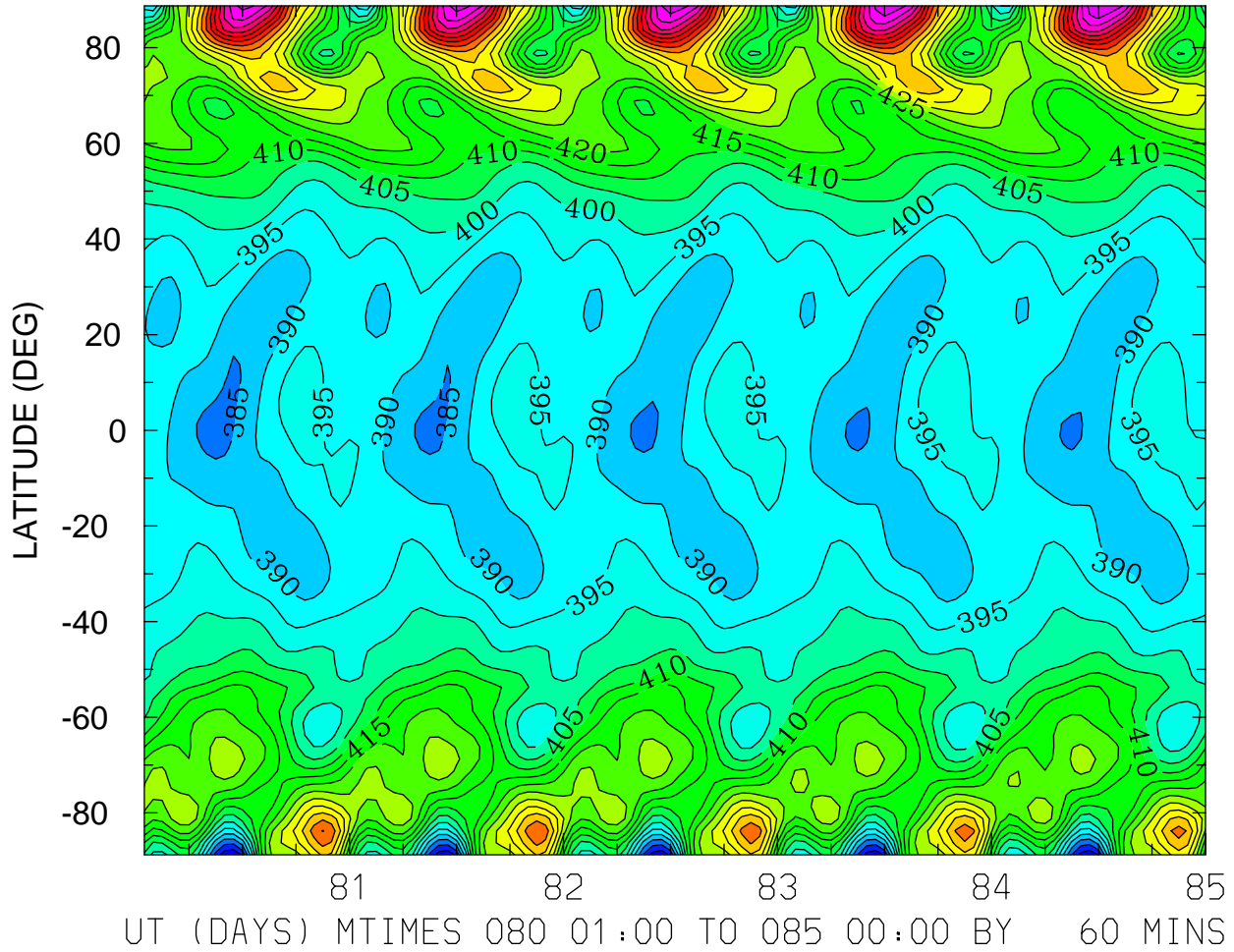


ELECTRON TEMPERATURE (DEG K)  
ZP = -4.125 LOCAL TIME = 12.00



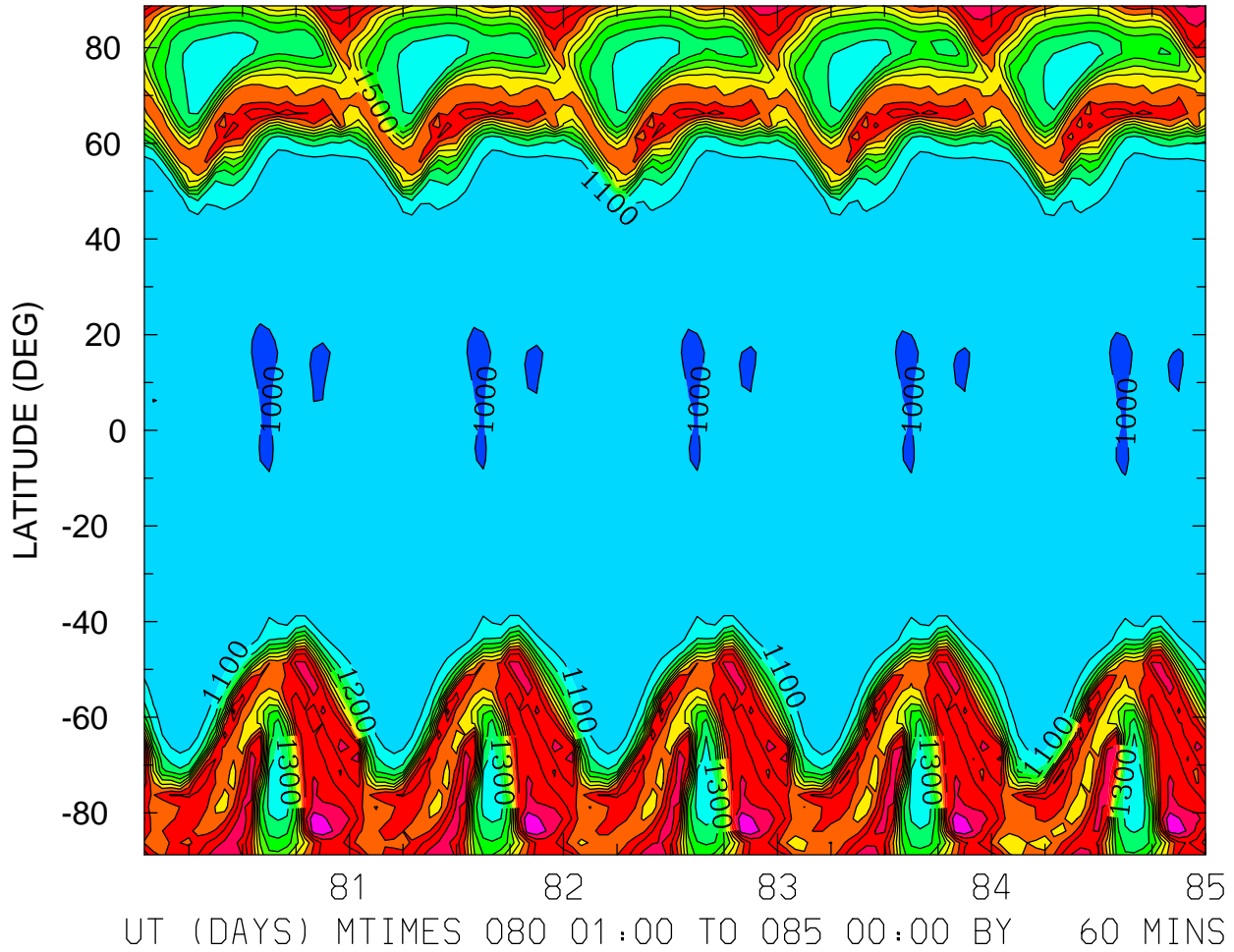
MIN,MAX= 3.5744E+02 5.1392E+02 INTERVAL= 1.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

ELECTRON TEMPERATURE (DEG K)  
ZP = -4.125 ZONAL MEANS



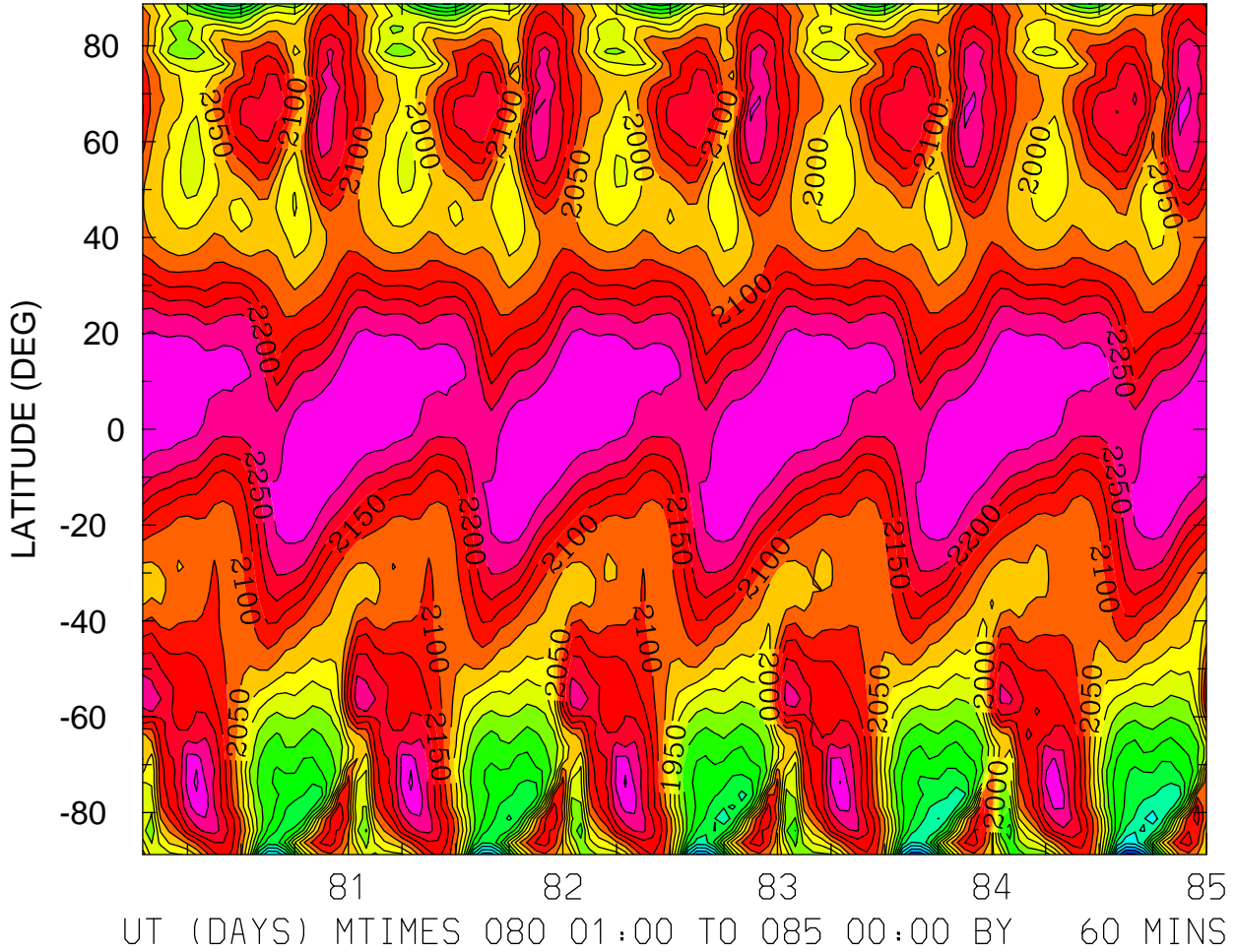
MIN,MAX= 3.7050E+02 4.8496E+02 INTERVAL= 5.0000E+00  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

ELECTRON TEMPERATURE (DEG K)  
ZP = -0.125 LOCAL TIME = 0.00



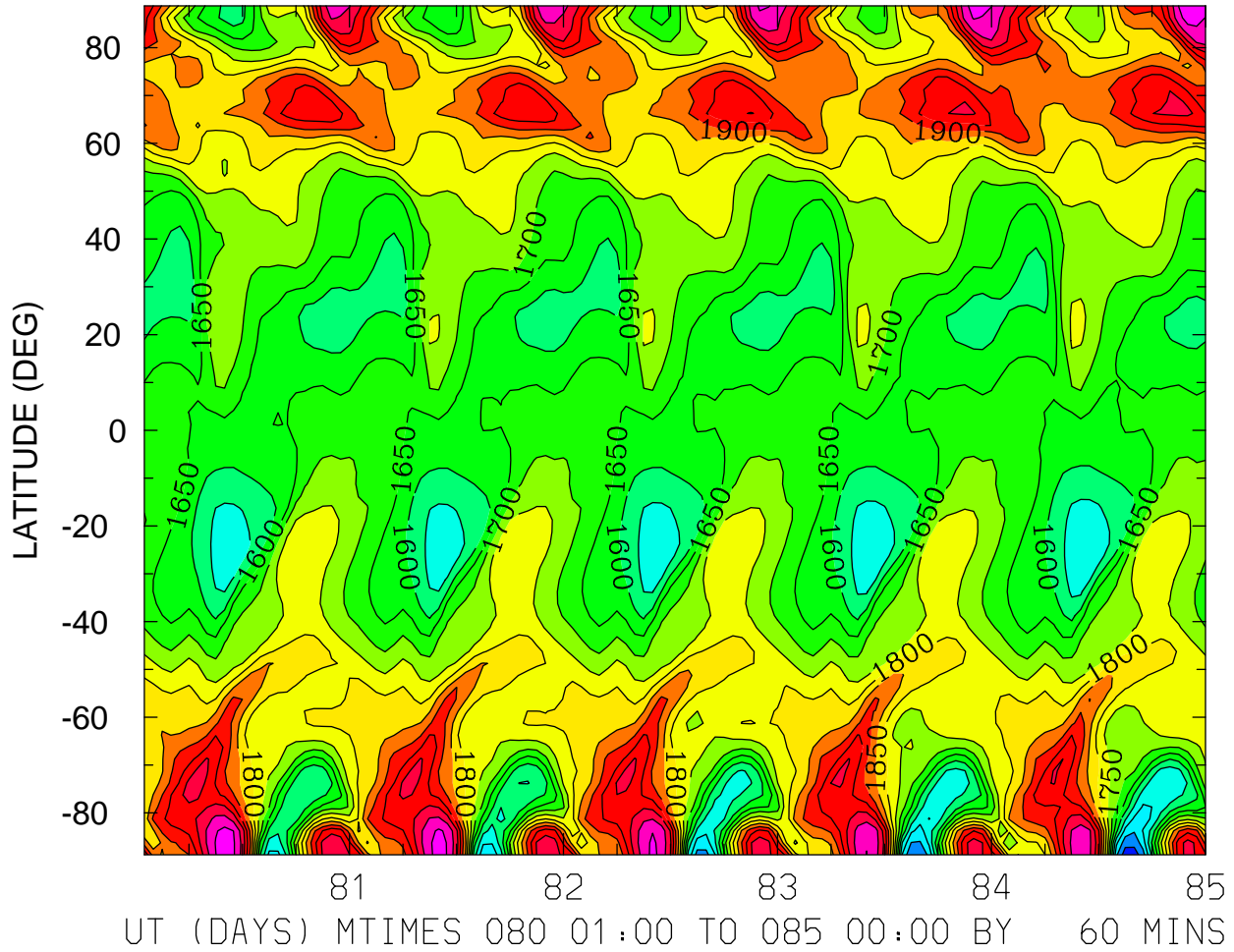
MIN,MAX= 9.8857E+02 2.1888E+03 INTERVAL= 1.0000E+02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

ELECTRON TEMPERATURE (DEG K)  
ZP = -0.125 LOCAL TIME = 12.00



MIN,MAX= 1.4335E+03 2.3599E+03 INTERVAL= 5.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

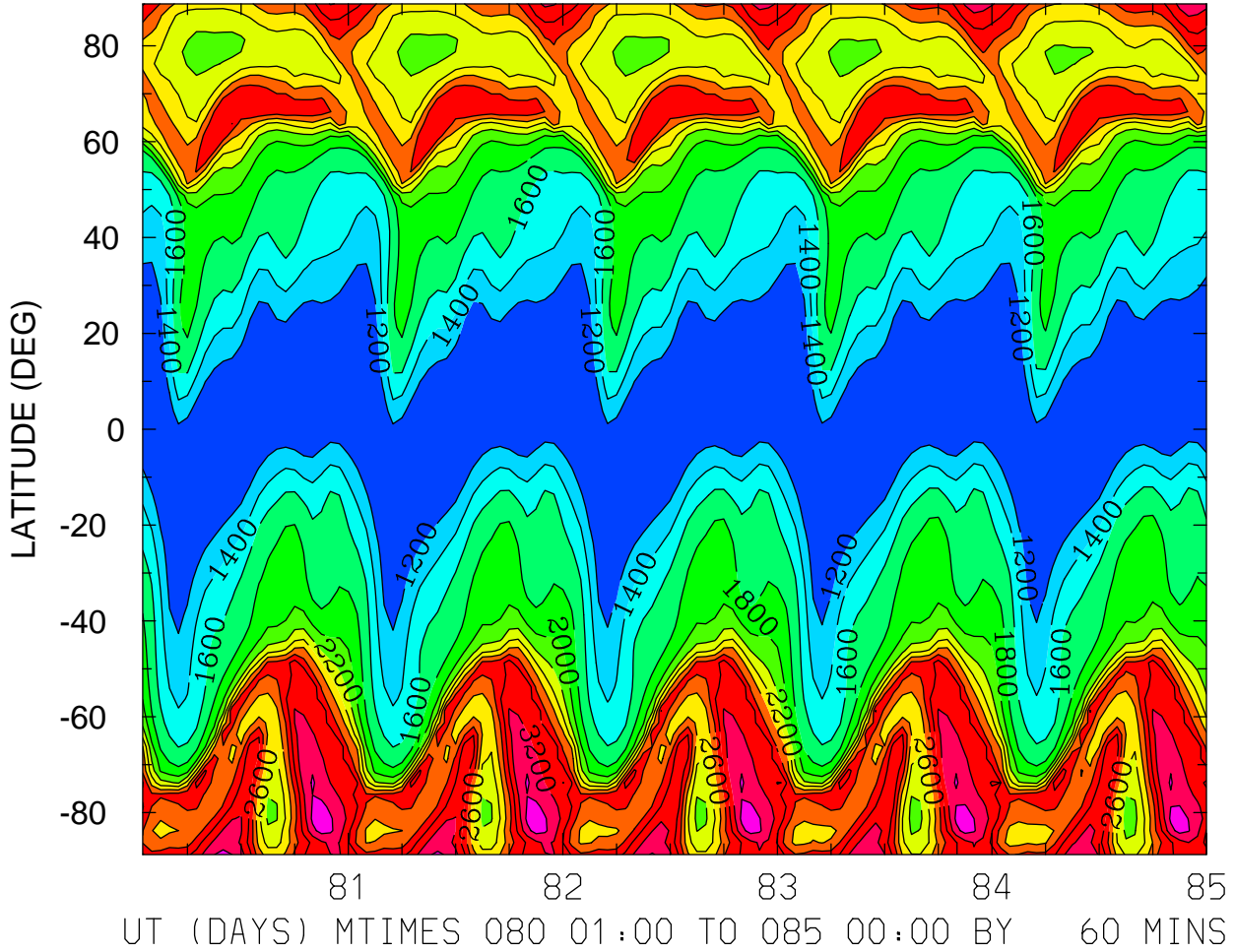
ELECTRON TEMPERATURE (DEG K)  
ZP = -0.125 ZONAL MEANS



MIN,MAX= 1.3701E+03 2.1388E+03 INTERVAL= 5.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

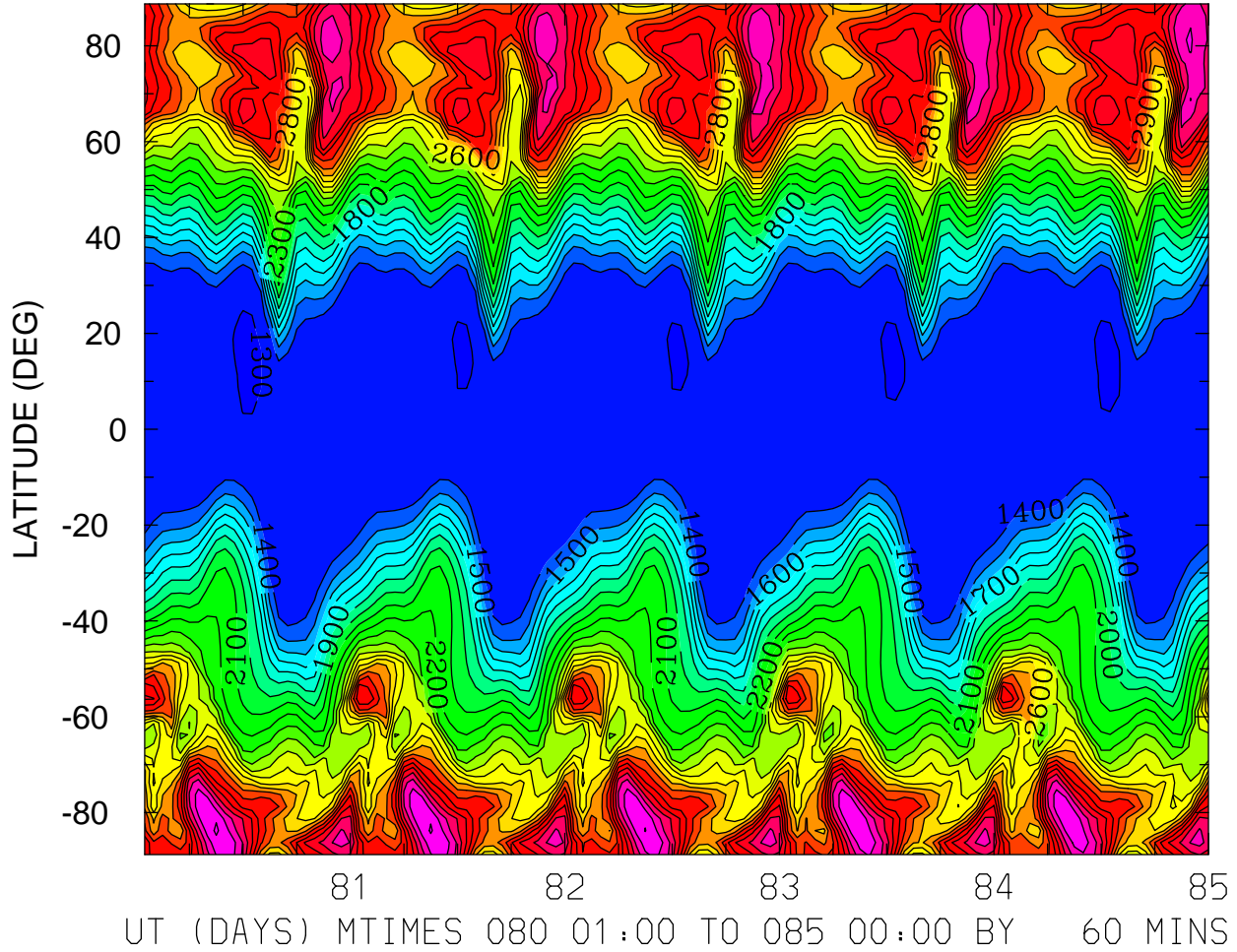


ELECTRON TEMPERATURE (DEG K)  
ZP = 3.875 LOCAL TIME = 0.00



MIN,MAX= 1.0493E+03 3.5098E+03 INTERVAL= 2.0000E+02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

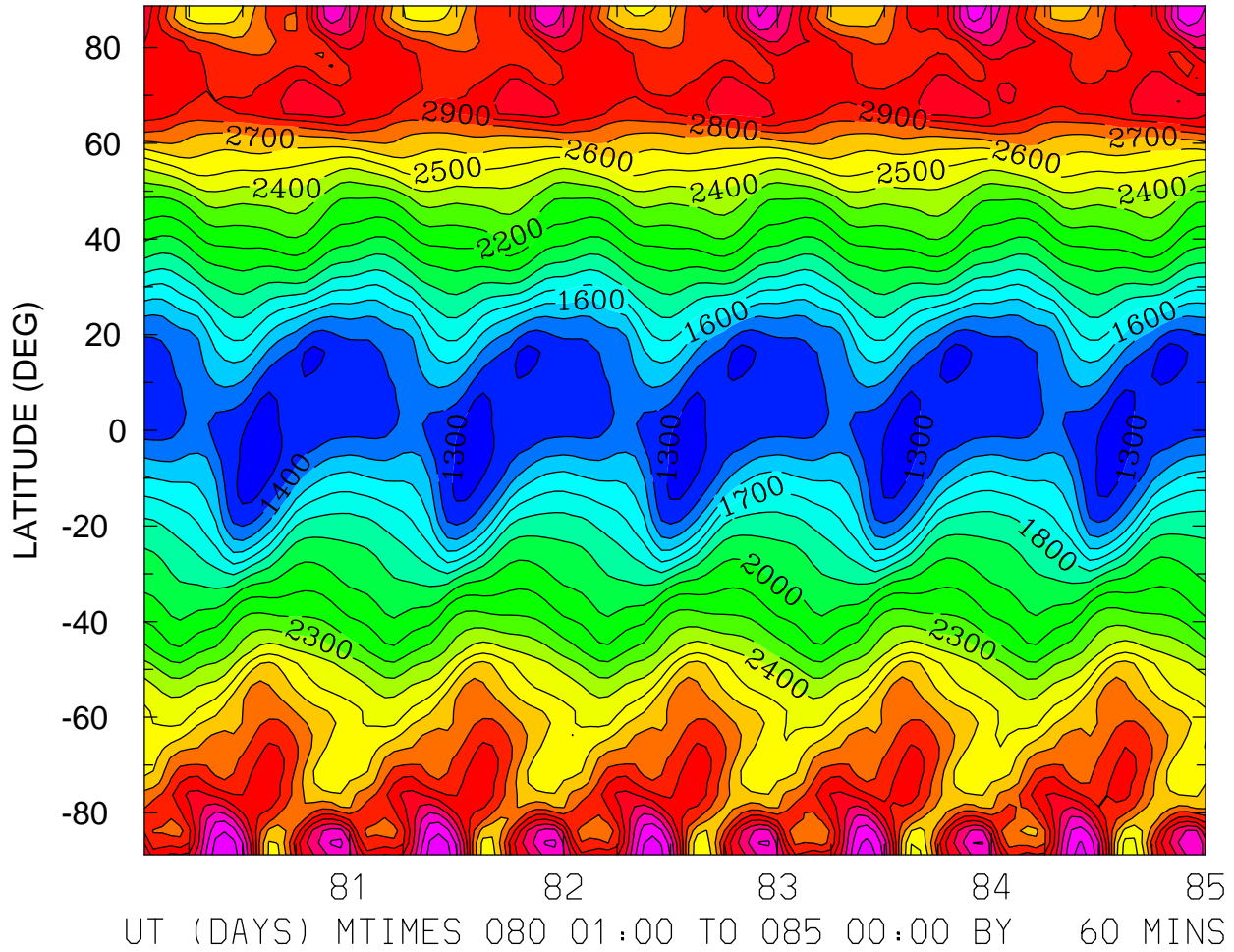
ELECTRON TEMPERATURE (DEG K)  
ZP = 3.875 LOCAL TIME = 12.00



MIN,MAX= 1.2969E+03 3.6170E+03 INTERVAL= 1.0000E+02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

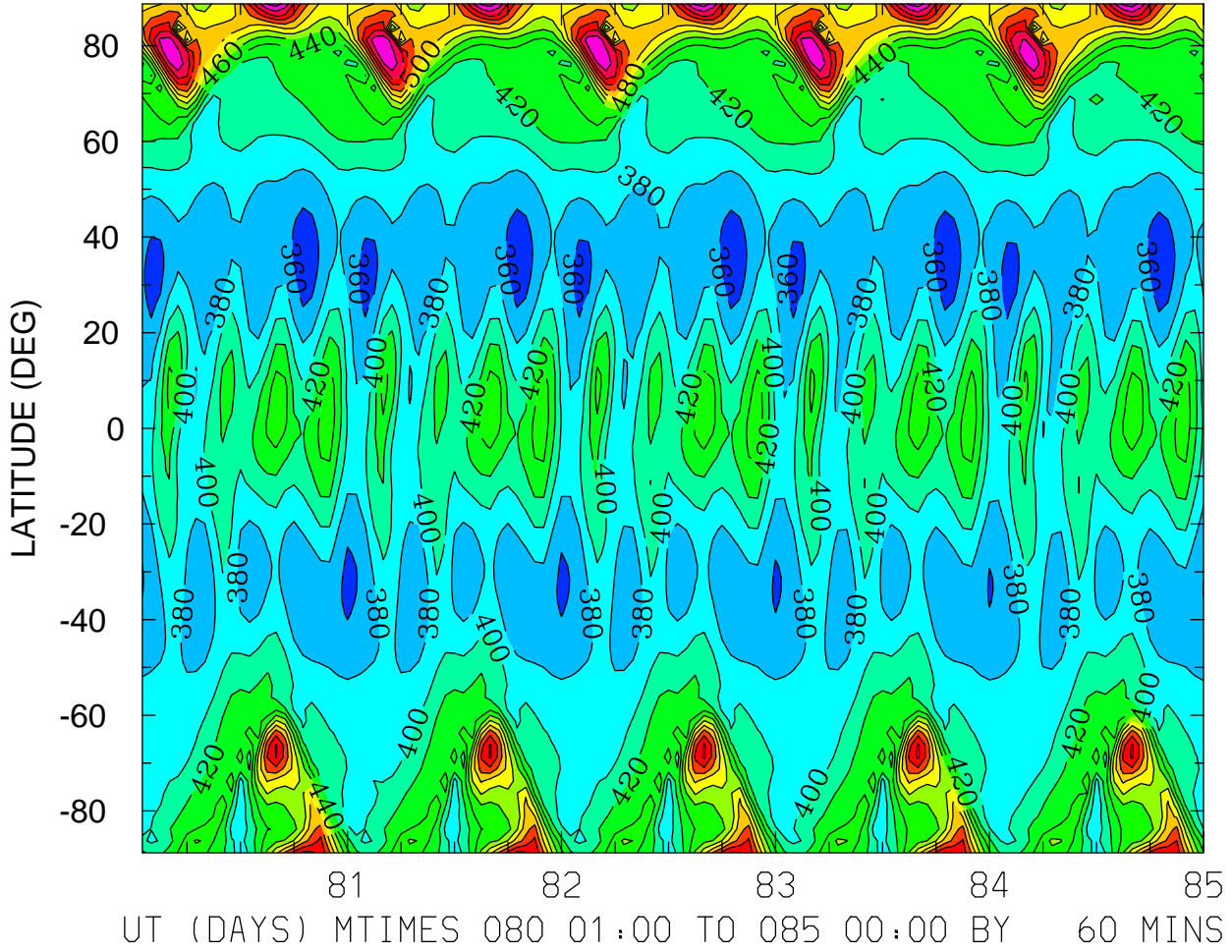


ELECTRON TEMPERATURE (DEG K)  
ZP = 3.875 ZONAL MEANS



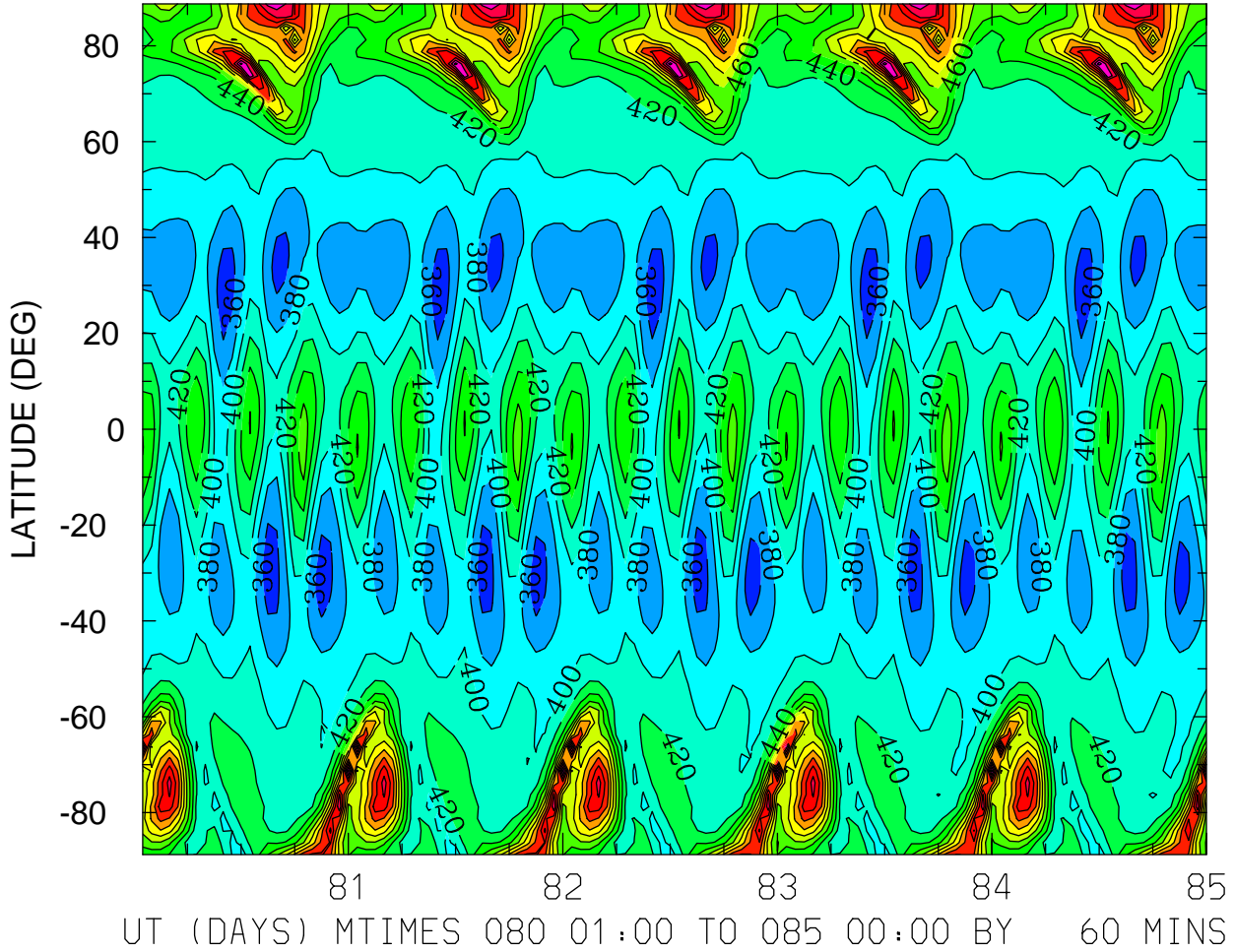
MIN,MAX= 1.2498E+03 3.5011E+03 INTERVAL= 1.0000E+02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

ION TEMPERATURE (DEG K)  
ZP = -4.125 LOCAL TIME = 0.00



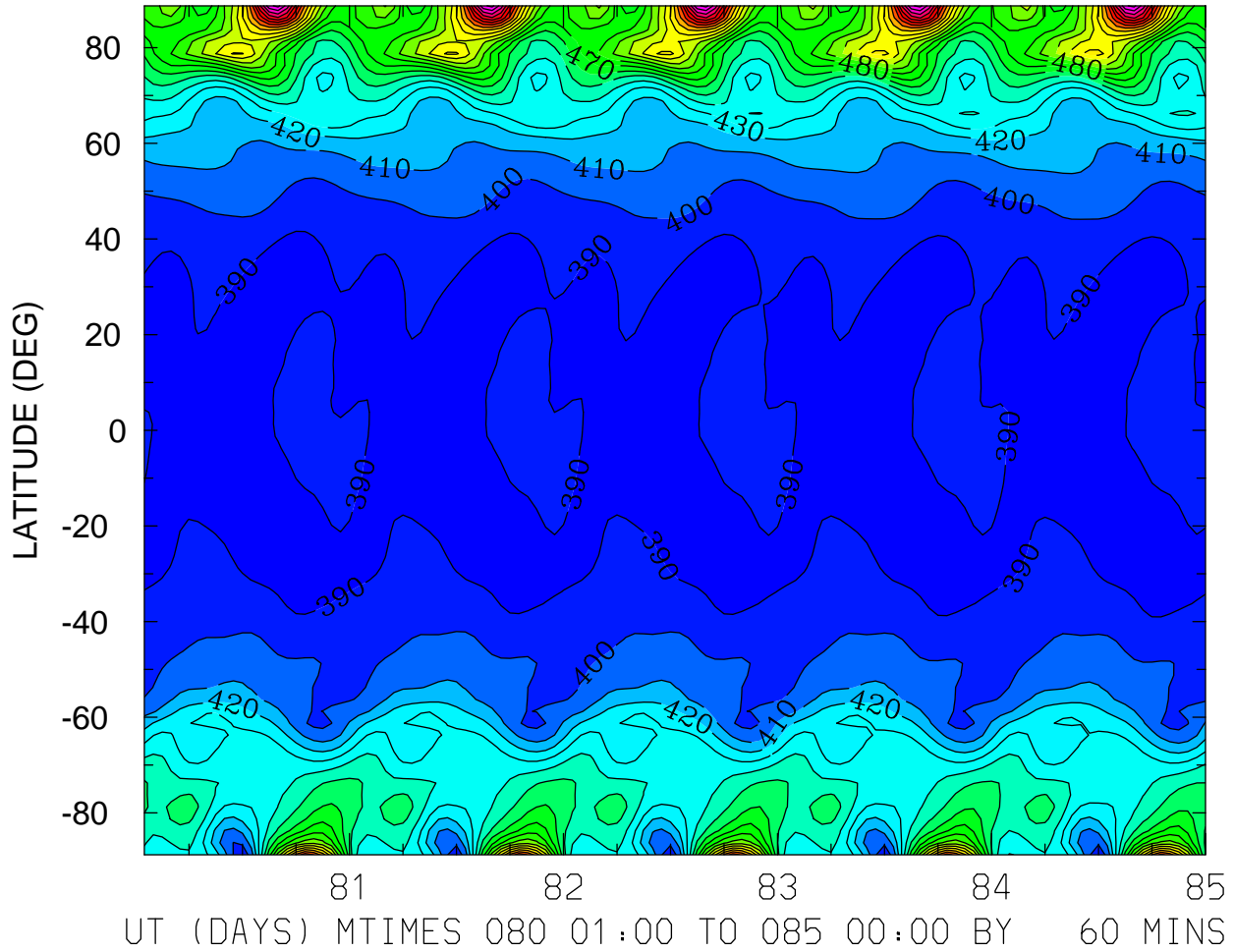
MIN,MAX= 3.4849E+02 6.1095E+02 INTERVAL= 2.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

ION TEMPERATURE (DEG K)  
ZP = -4.125 LOCAL TIME = 12.00



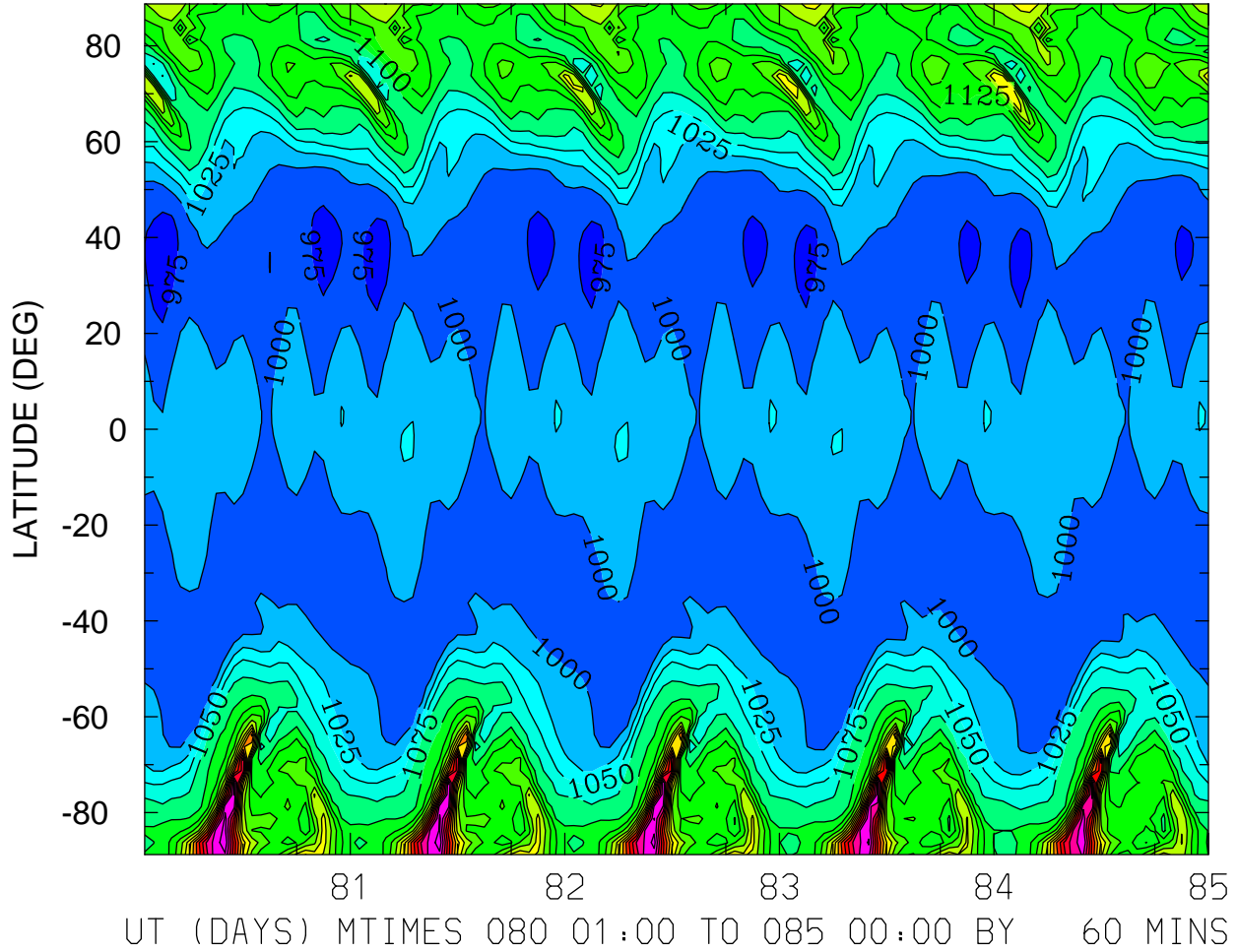
MIN,MAX= 3.4816E+02 6.3097E+02 INTERVAL= 2.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

ION TEMPERATURE (DEG K)  
ZP = -4.125 ZONAL MEANS



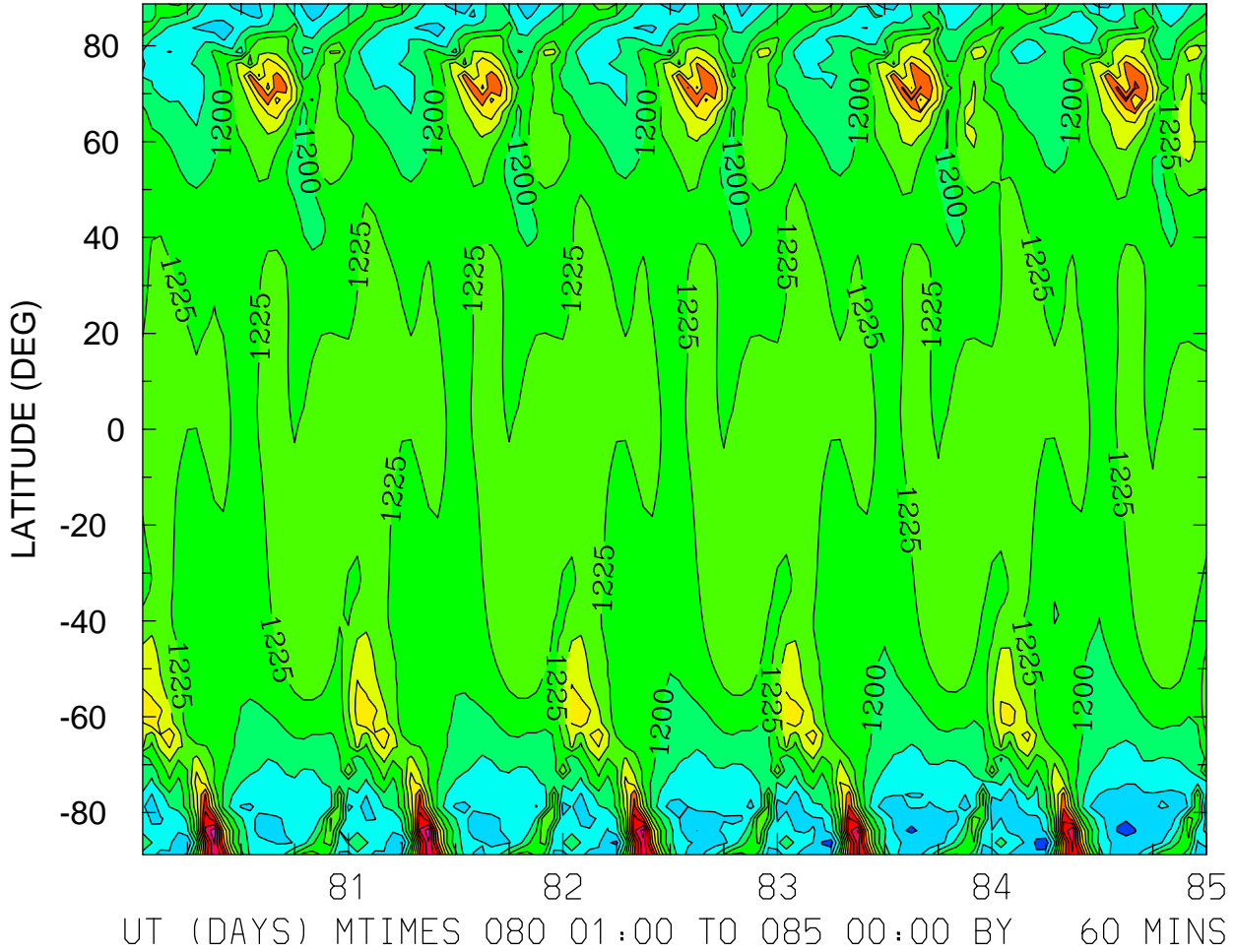
MIN,MAX= 3.8014E+02 6.1315E+02 INTERVAL= 1.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

ION TEMPERATURE (DEG K)  
ZP = -0.125 LOCAL TIME = 0.00



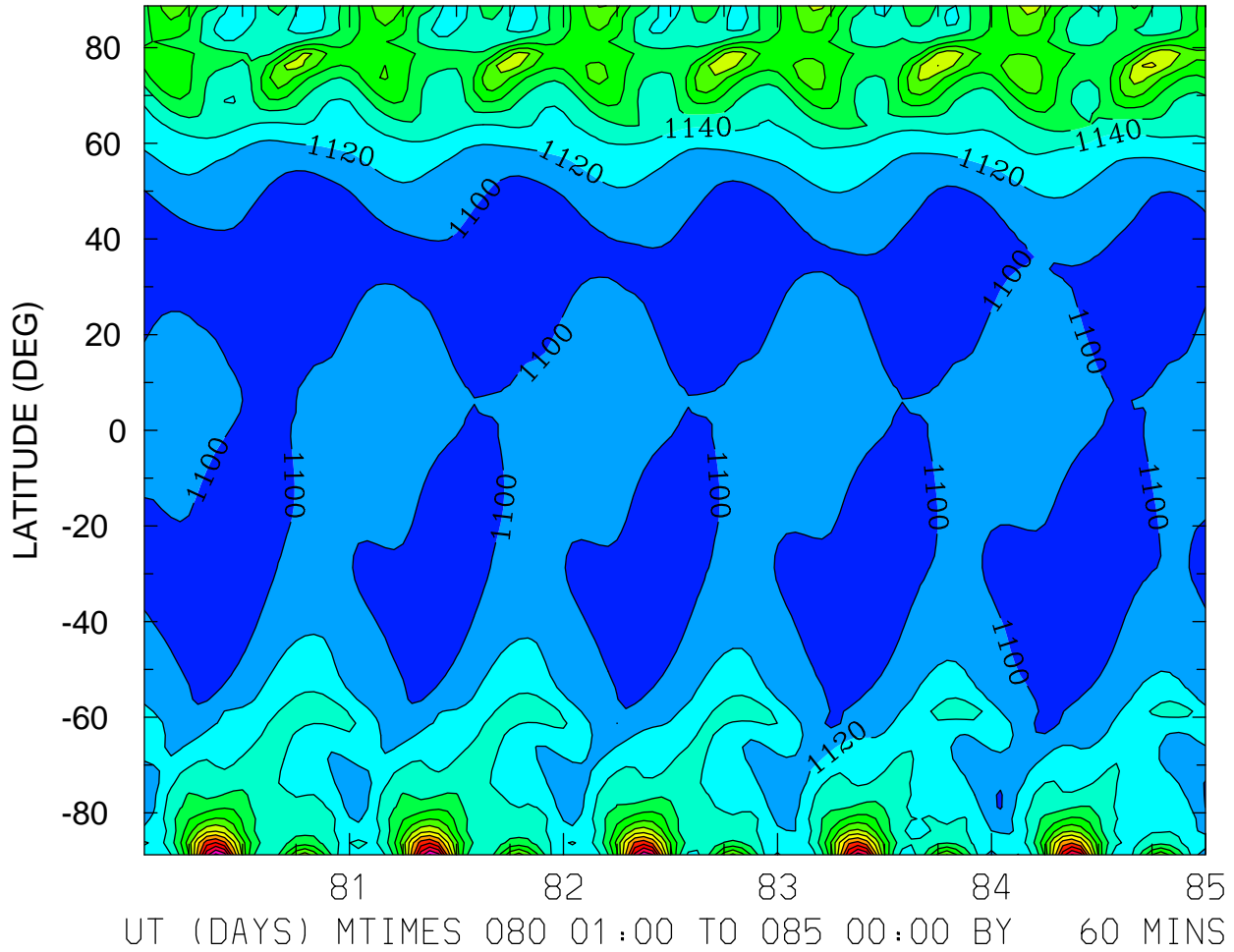
MIN,MAX= 9.6157E+02 1.4190E+03 INTERVAL= 2.5000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

ION TEMPERATURE (DEG K)  
ZP = -0.125 LOCAL TIME = 12.00



MIN,MAX= 1.1083E+03 1.4170E+03 INTERVAL= 2.5000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

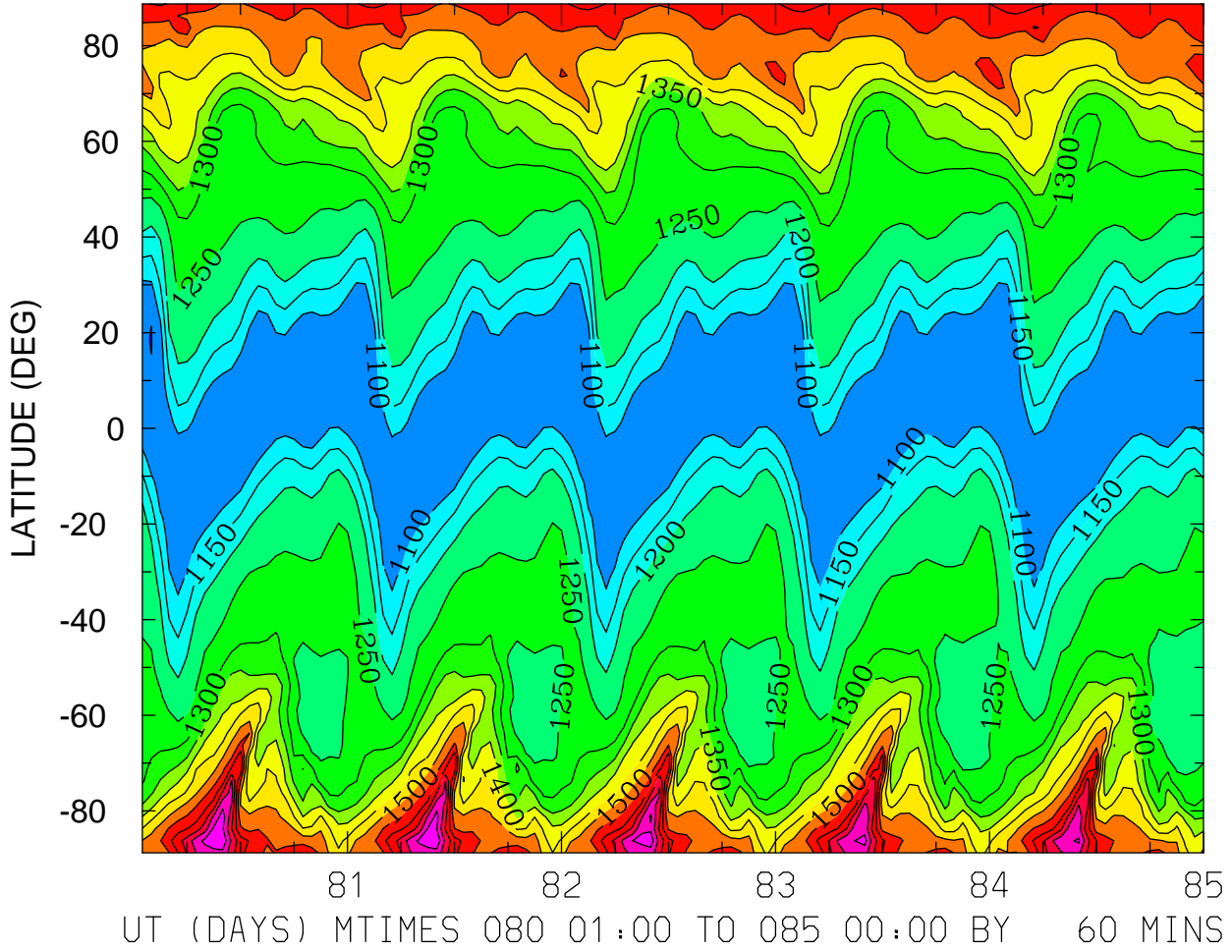
ION TEMPERATURE (DEG K)  
ZP = -0.125 ZONAL MEANS



MIN,MAX= 1.0831E+03 1.3649E+03 INTERVAL= 2.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

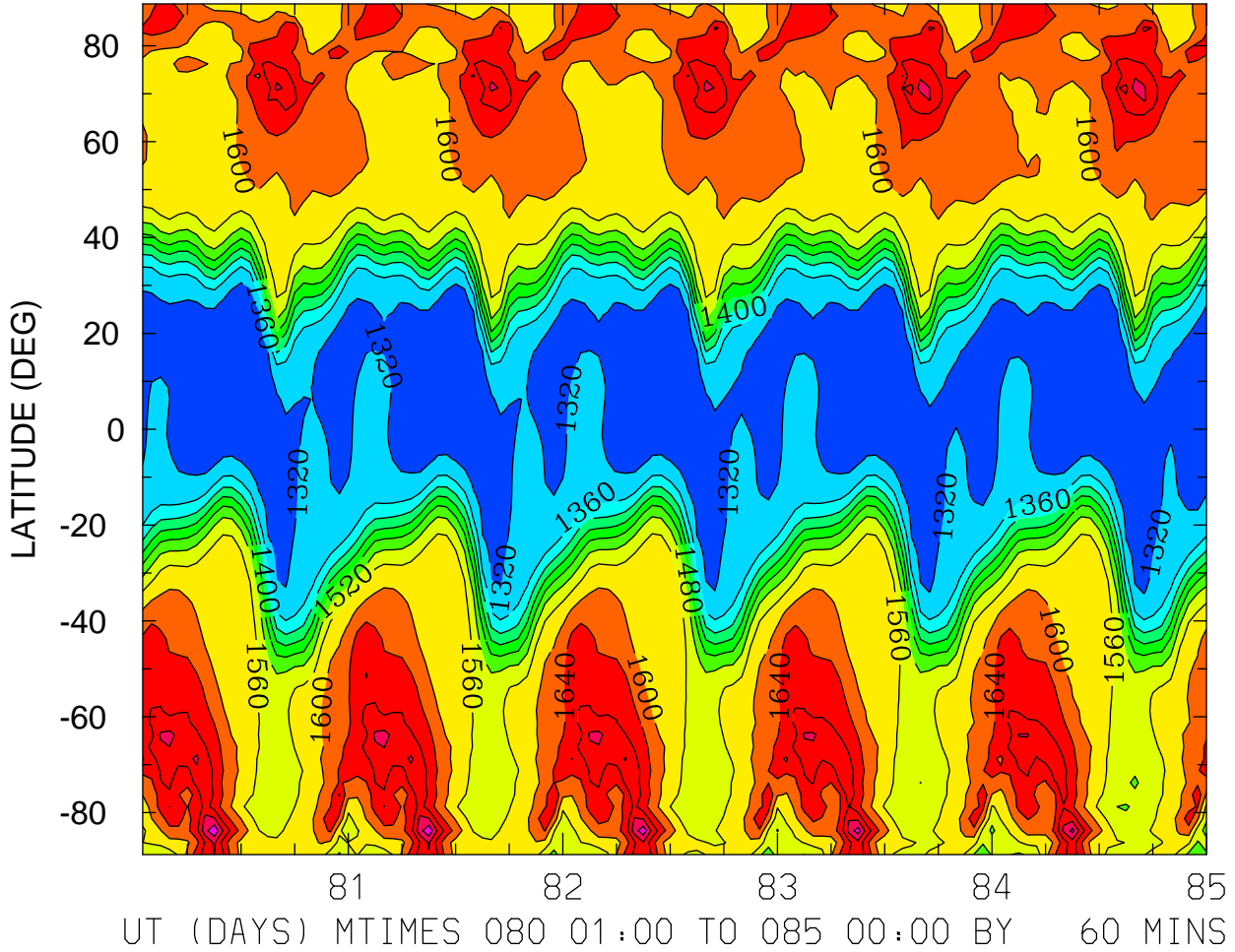


ION TEMPERATURE (DEG K)  
ZP = 3.875 LOCAL TIME = 0.00



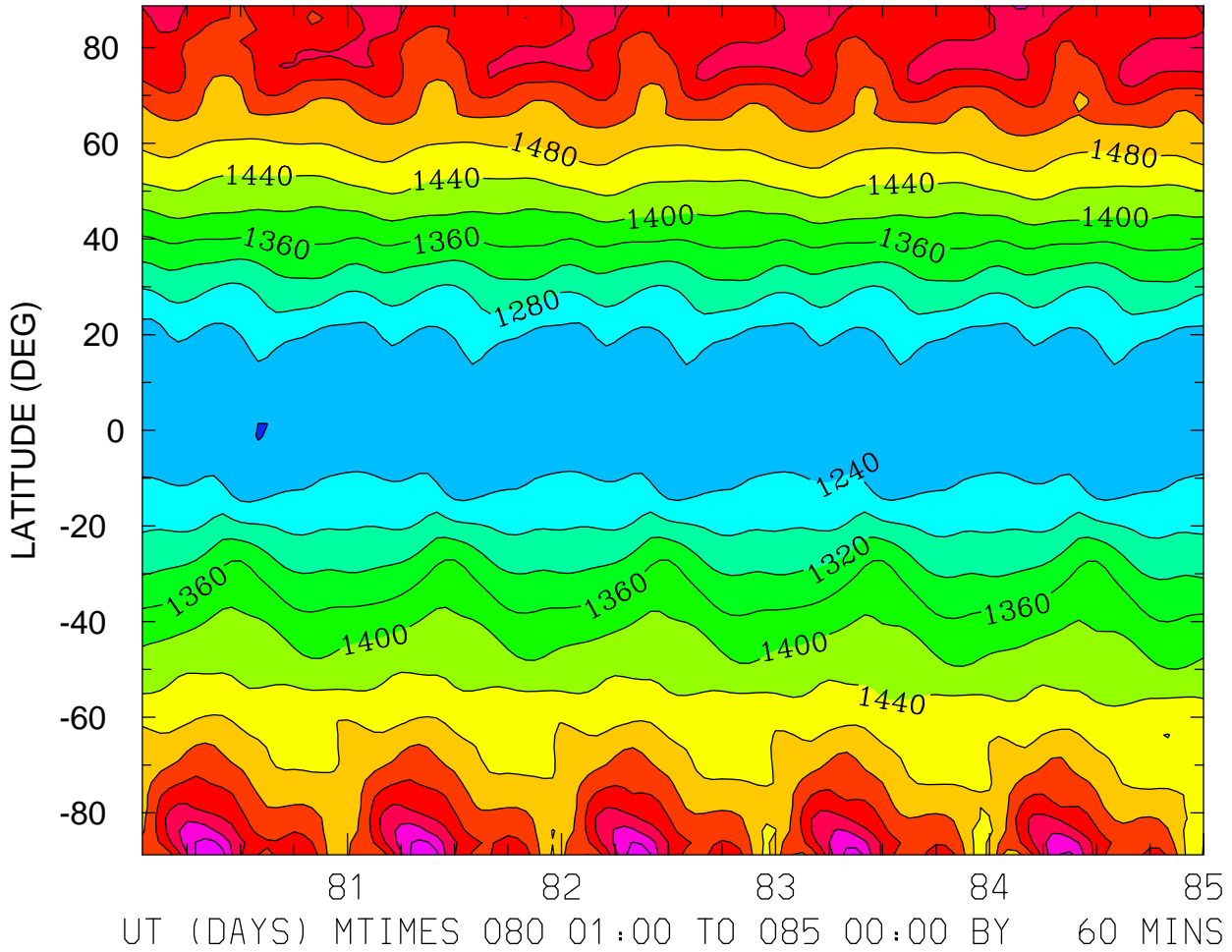
MIN,MAX= 1.0485E+03 1.7898E+03 INTERVAL= 5.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

ION TEMPERATURE (DEG K)  
ZP = 3.875 LOCAL TIME = 12.00



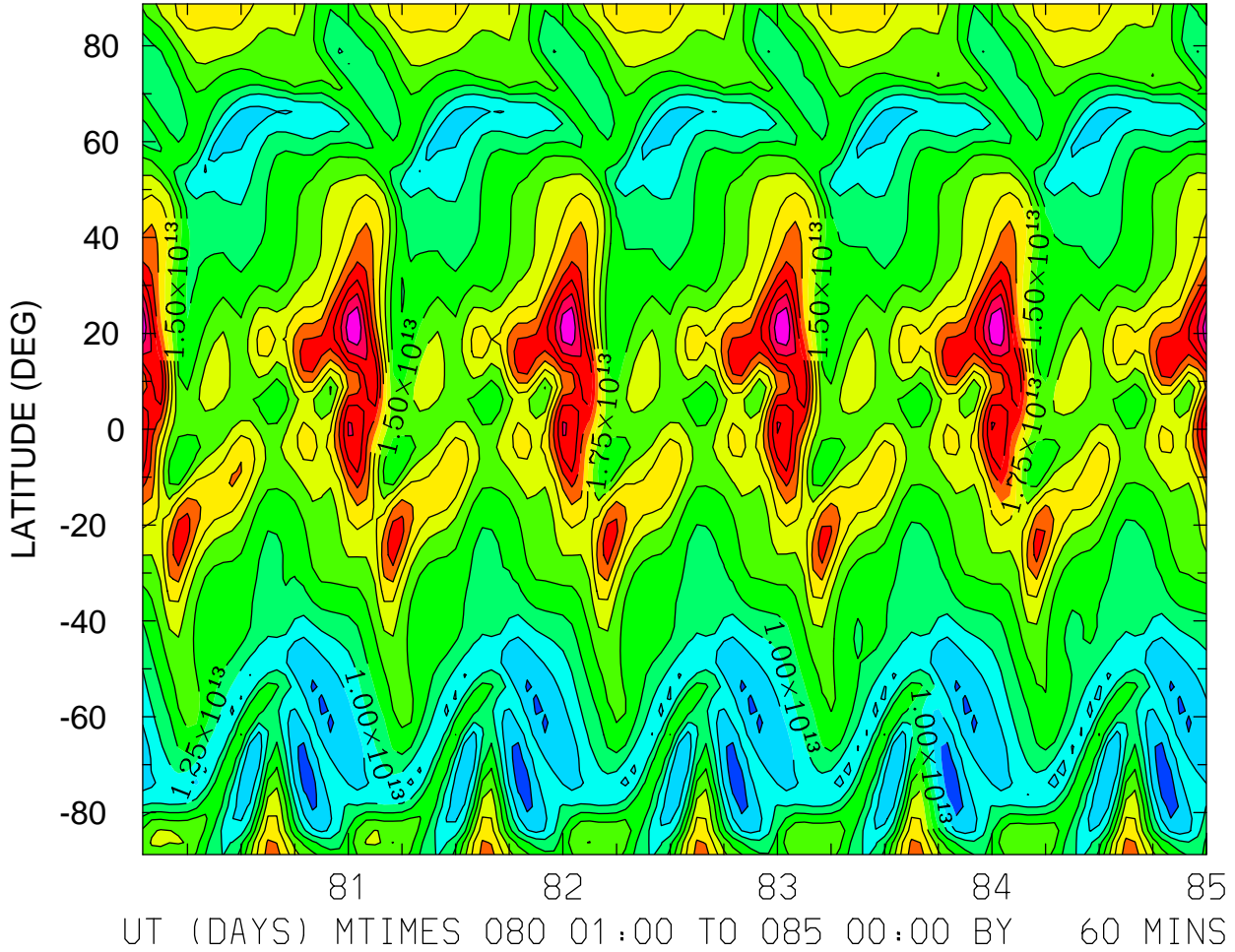
MIN,MAX= 1.2971E+03 1.7932E+03 INTERVAL= 4.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

ION TEMPERATURE (DEG K)  
ZP = 3.875 ZONAL MEANS



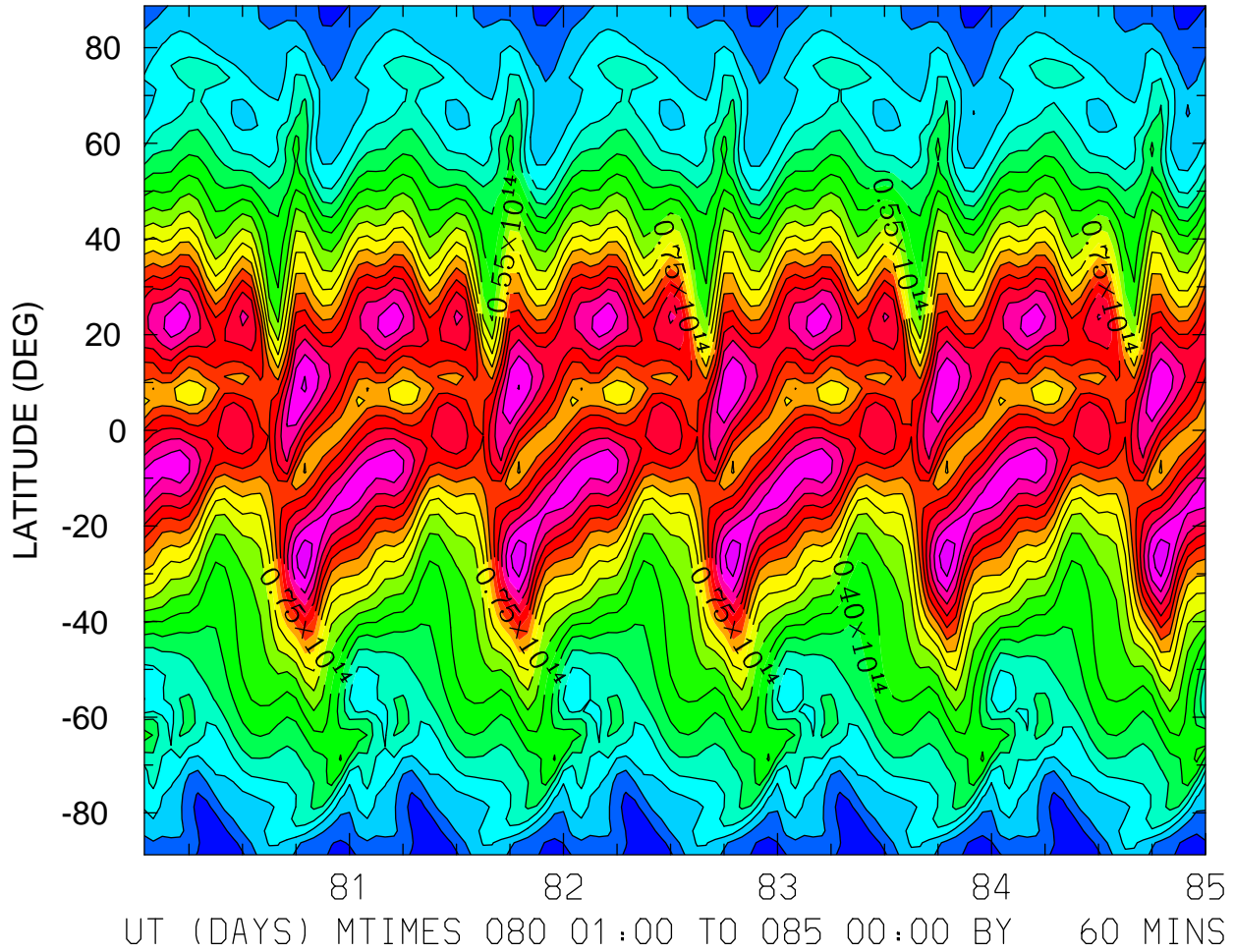
MIN,MAX= 1.1994E+03 1.7136E+03 INTERVAL= 4.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

TEC: Total Electron Content ( )  
LOCAL TIME = 0.00



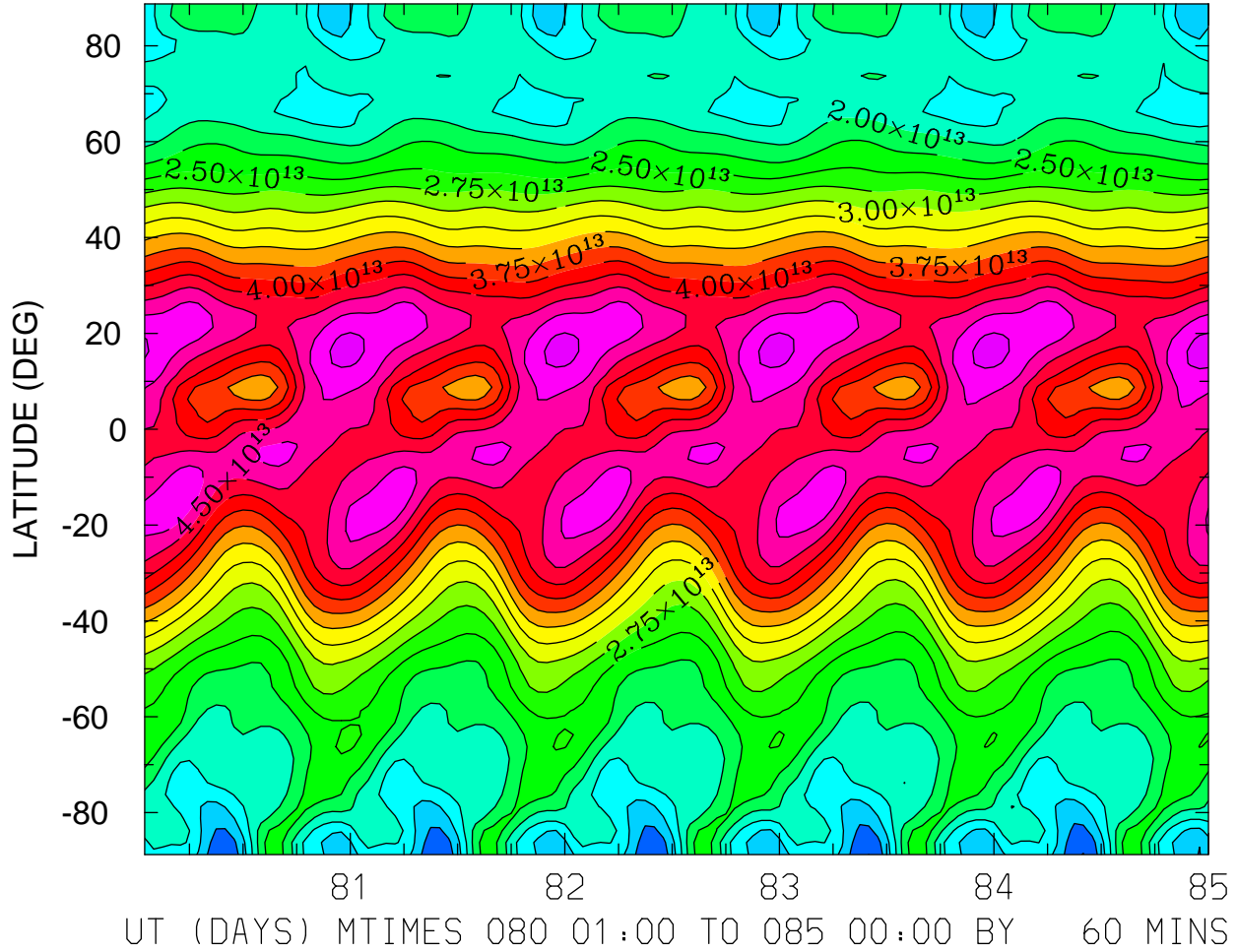
MIN,MAX= 3.7834E+12 3.4821E+13 INTERVAL= 2.5000E+12  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

TEC: Total Electron Content ( )  
LOCAL TIME = 12.00



MIN,MAX= 1.0144E+13 9.8243E+13 INTERVAL= 5.0000E+12  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

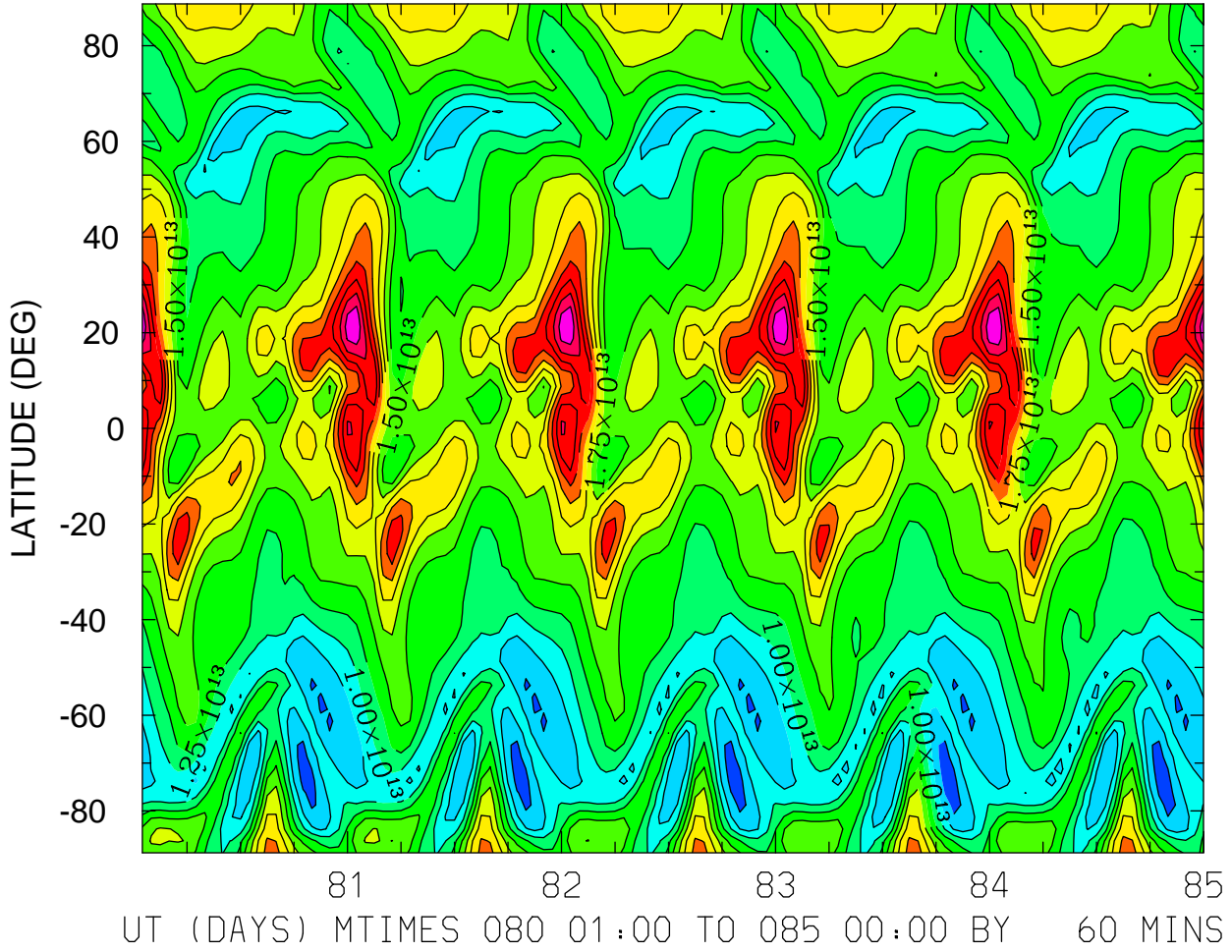
TEC: Total Electron Content ( )  
ZONAL MEANS



MIN,MAX= 9.9284E+12 5.0983E+13 INTERVAL= 2.5000E+12  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc



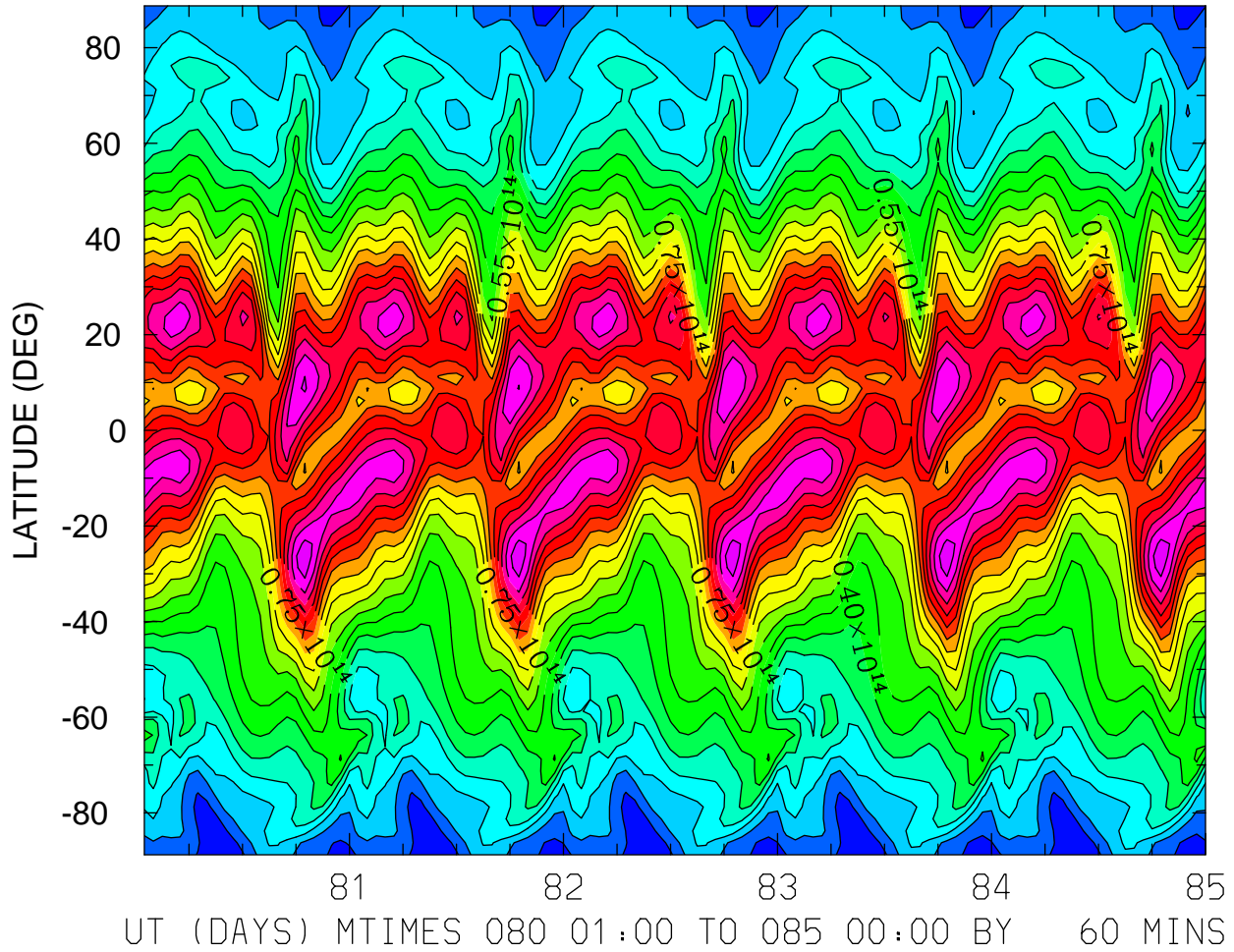
TEC: Total Electron Content ( )  
LOCAL TIME = 0.00



MIN,MAX= 3.7834E+12 3.4821E+13 INTERVAL= 2.5000E+12  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

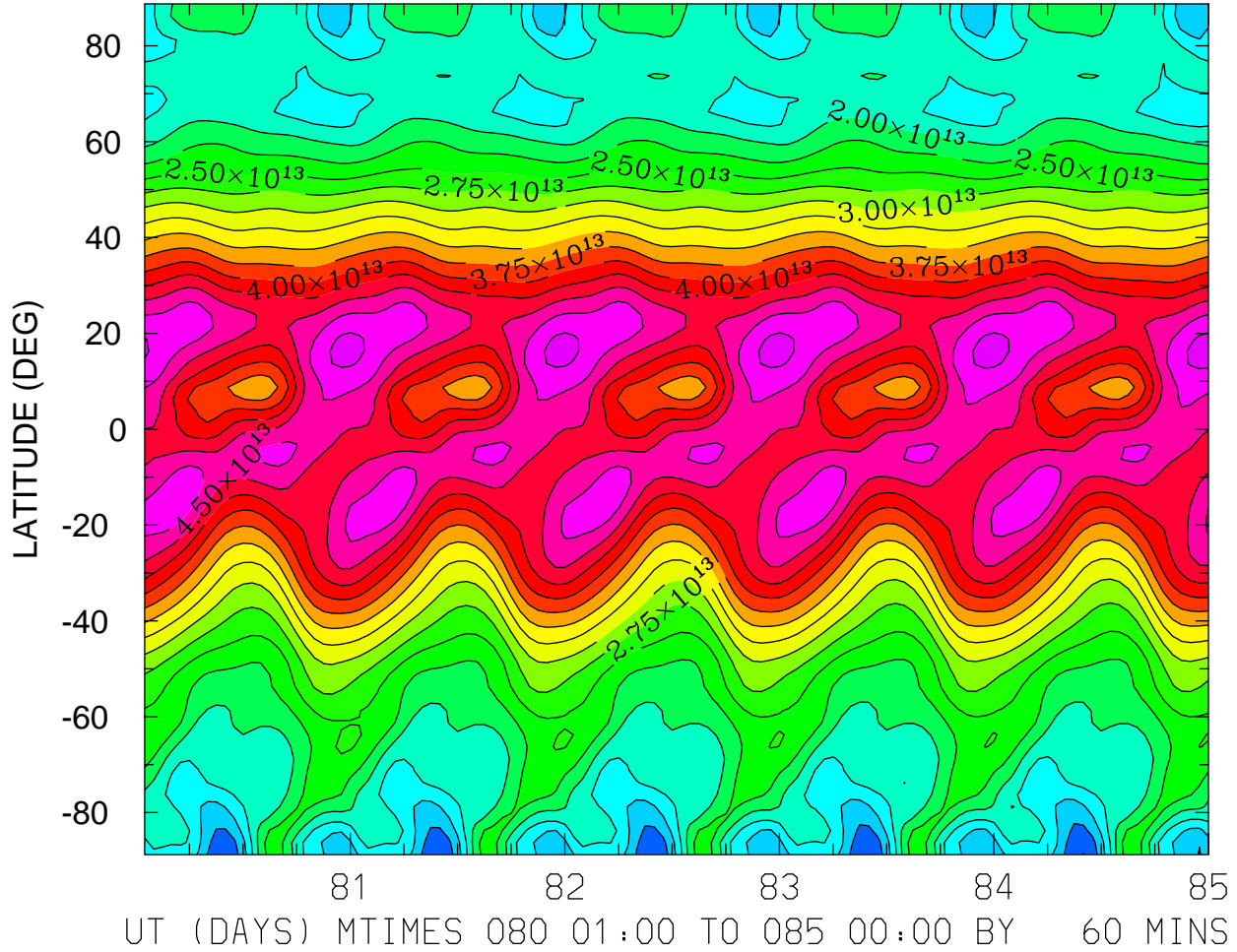


TEC: Total Electron Content ( )  
LOCAL TIME = 12.00



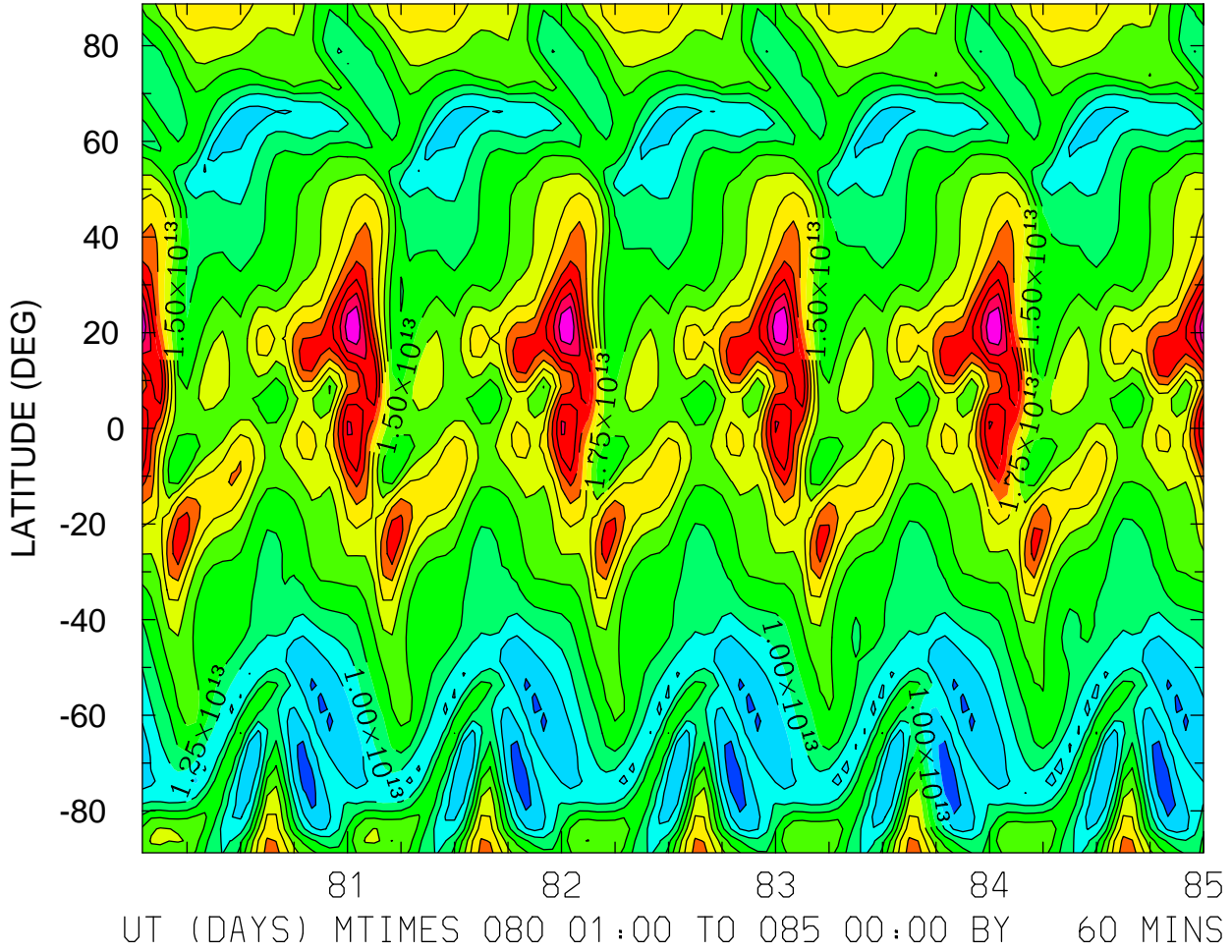
MIN,MAX= 1.0144E+13 9.8243E+13 INTERVAL= 5.0000E+12  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

TEC: Total Electron Content ( )  
ZONAL MEANS



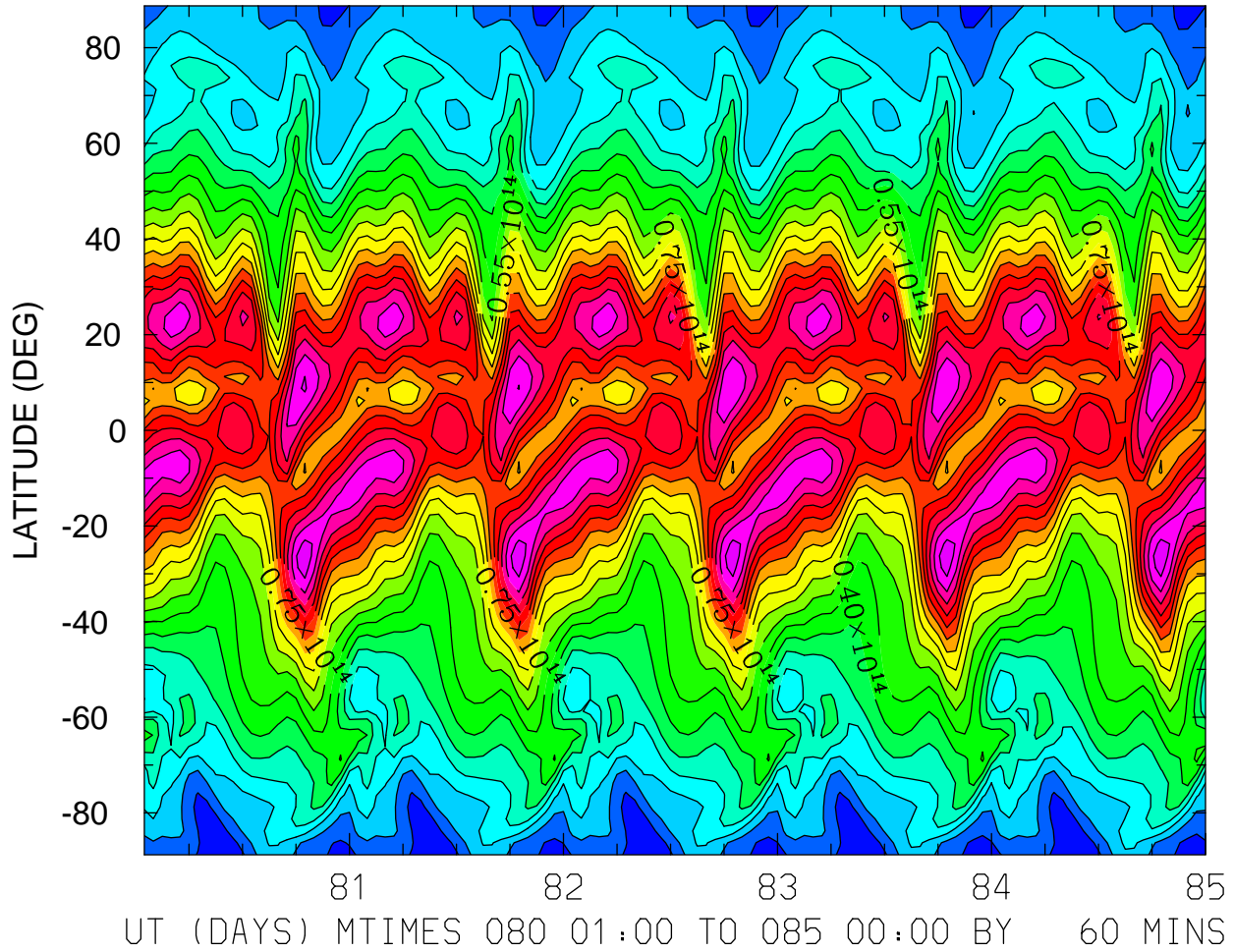
MIN,MAX= 9.9284E+12 5.0983E+13 INTERVAL= 2.5000E+12  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

TEC: Total Electron Content ( )  
LOCAL TIME = 0.00



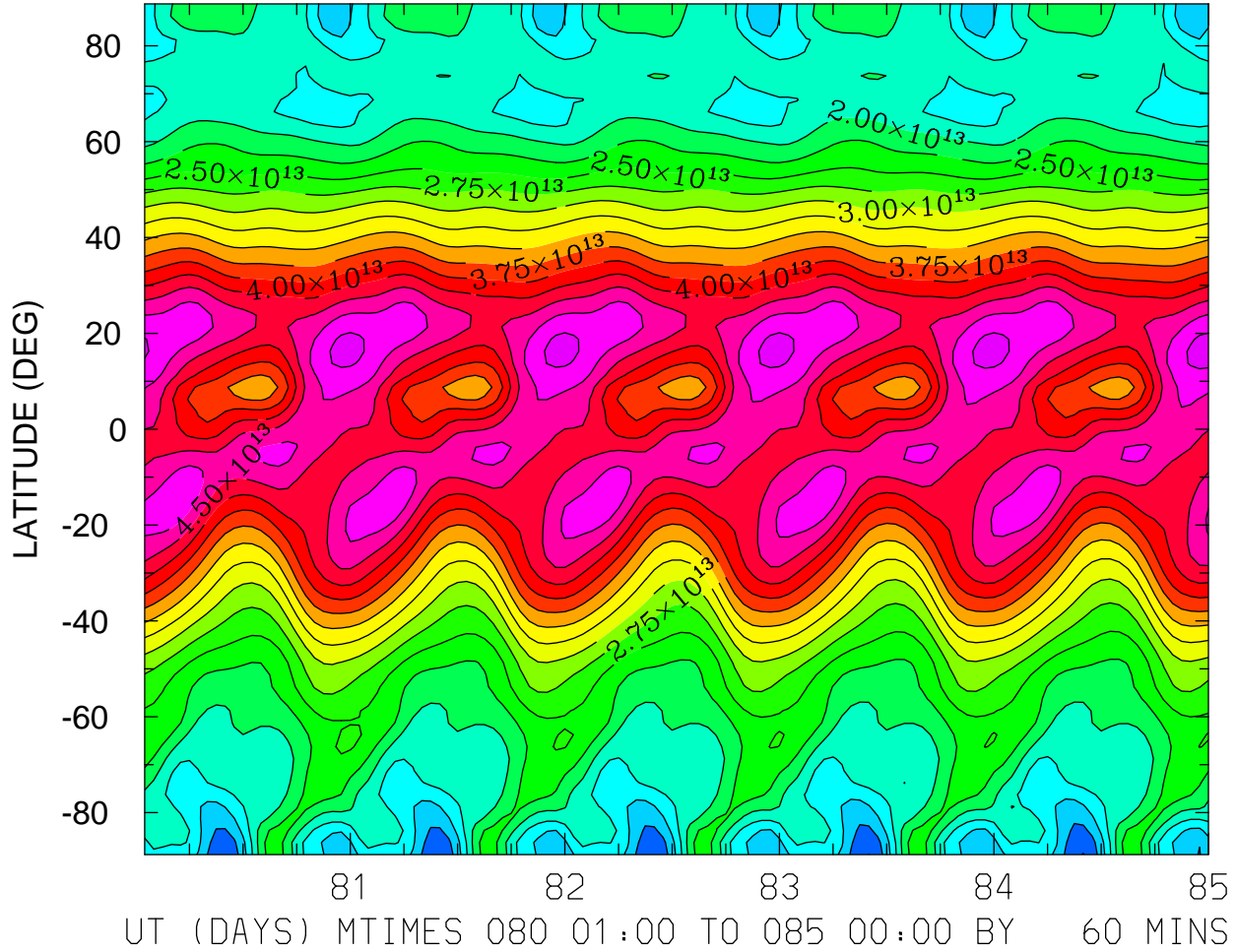
MIN,MAX= 3.7834E+12 3.4821E+13 INTERVAL= 2.5000E+12  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

TEC: Total Electron Content ( )  
LOCAL TIME = 12.00



MIN,MAX= 1.0144E+13 9.8243E+13 INTERVAL= 5.0000E+12  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

TEC: Total Electron Content ( )  
ZONAL MEANS

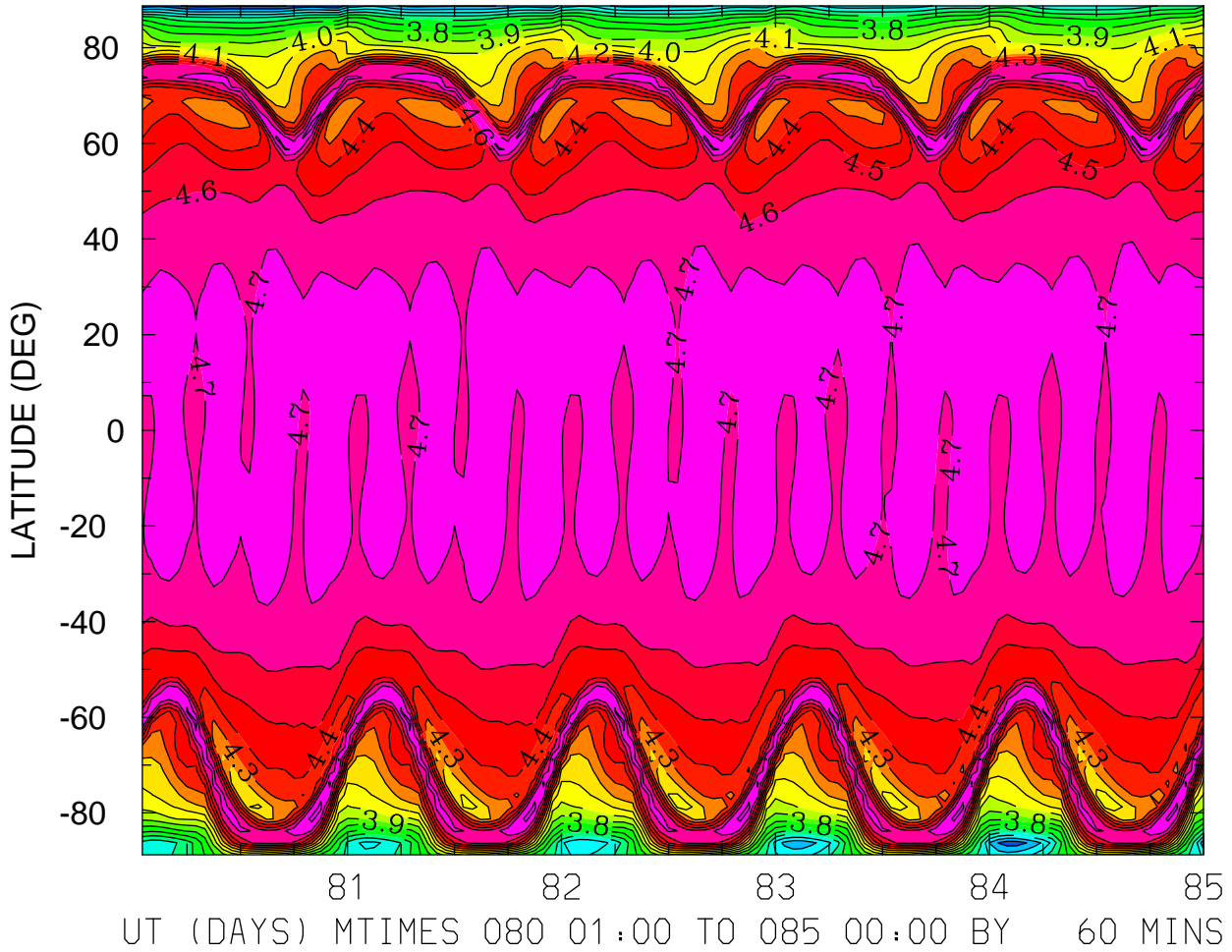


MIN,MAX= 9.9284E+12 5.0983E+13 INTERVAL= 2.5000E+12  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc



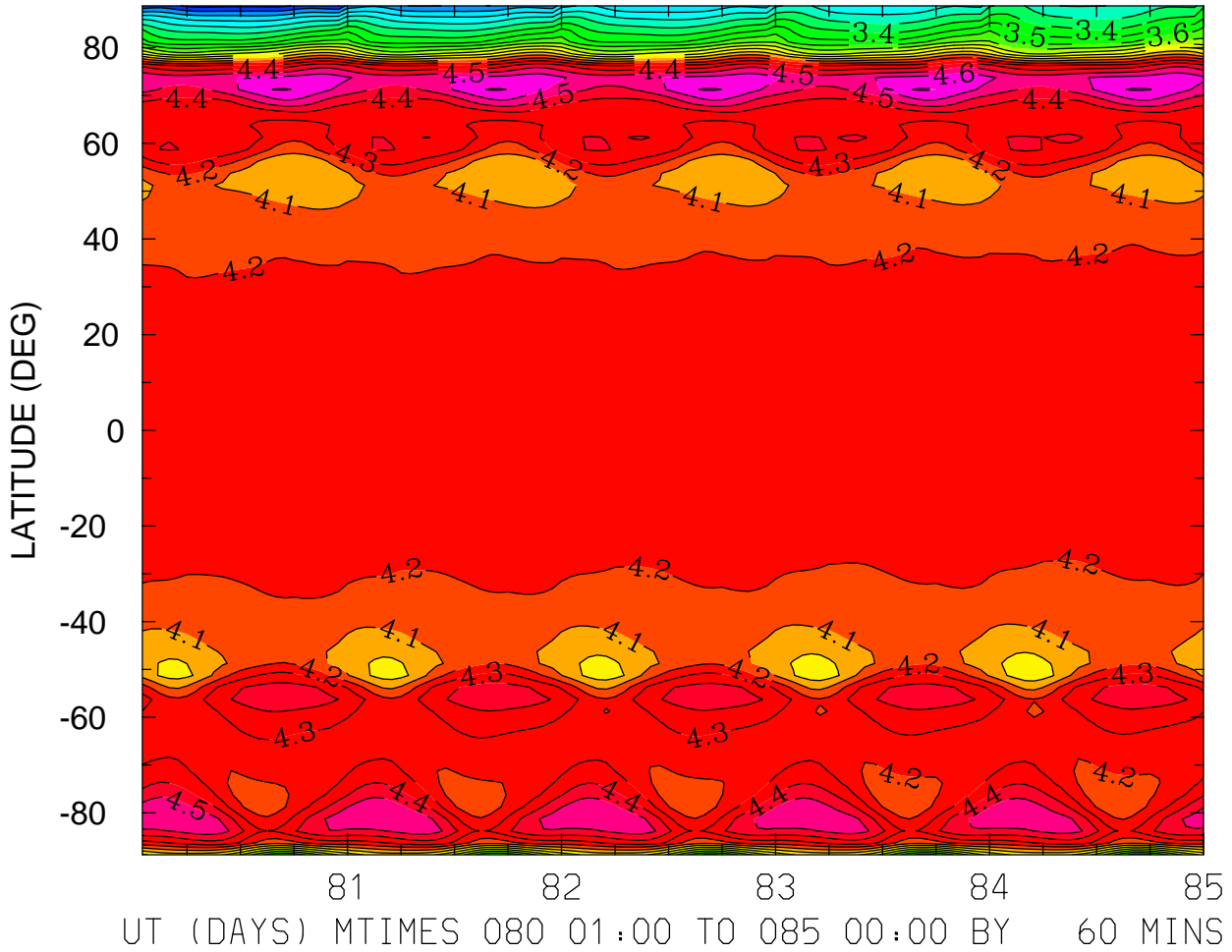


LOG10 O2+ ION (CM3)  
ZP = -4.125 LOCAL TIME = 12.00



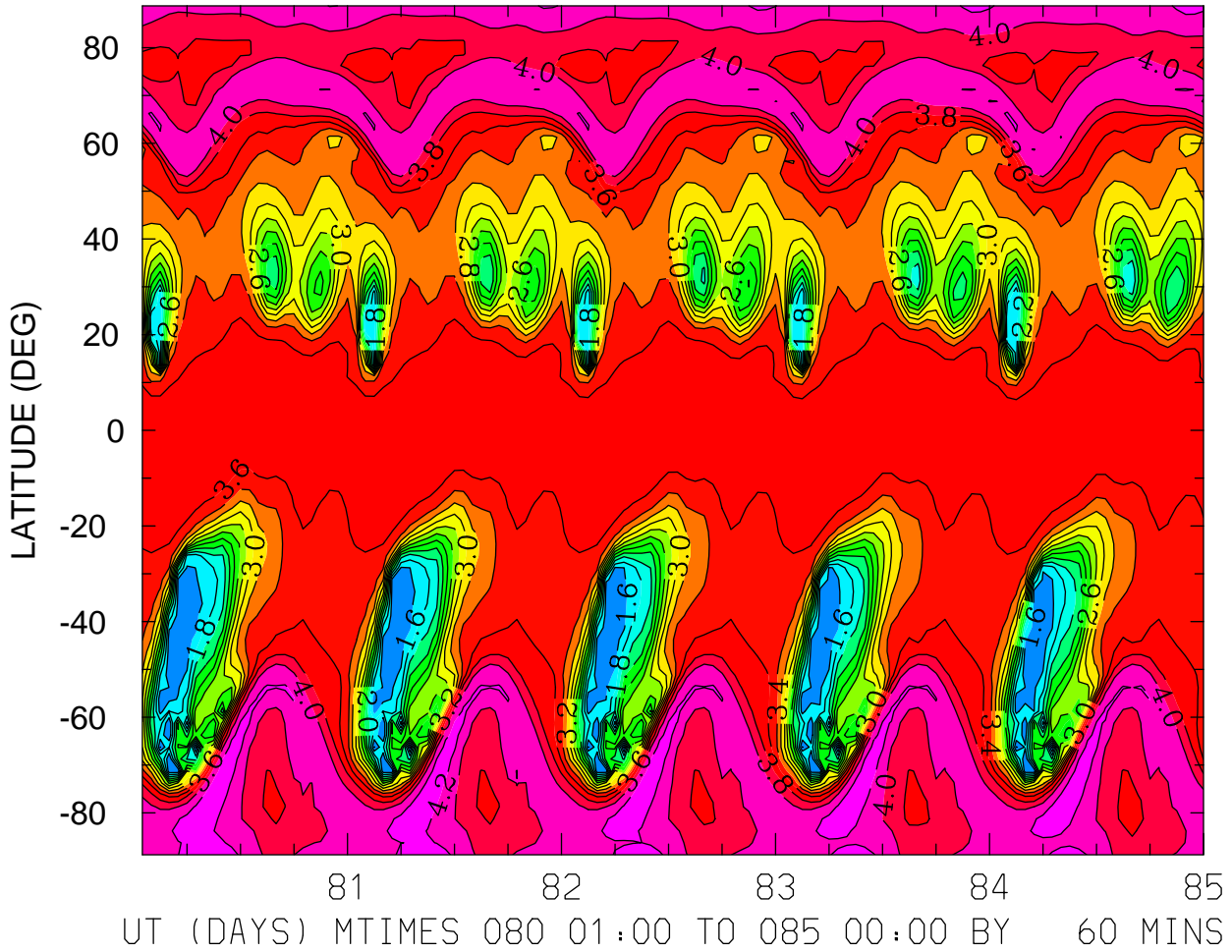
MIN,MAX= 3.0673E+00 4.8607E+00 INTERVAL= 1.0000E-01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 O2+ ION (CM3)  
ZP = -4.125 ZONAL MEANS



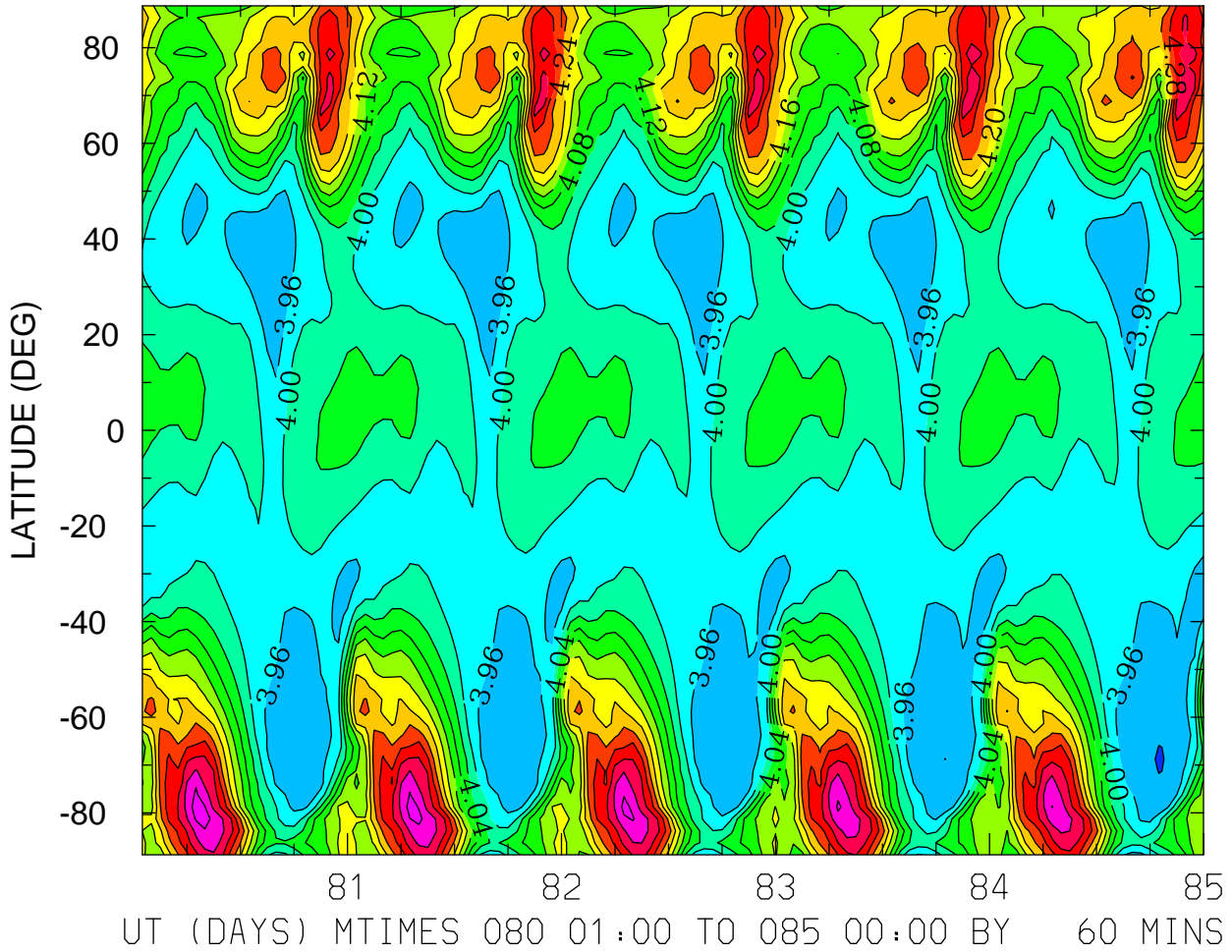
MIN,MAX= 2.7664E+00 4.7086E+00 INTERVAL= 1.0000E-01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 O2+ ION (CM3)  
ZP = -0.125 LOCAL TIME = 0.00



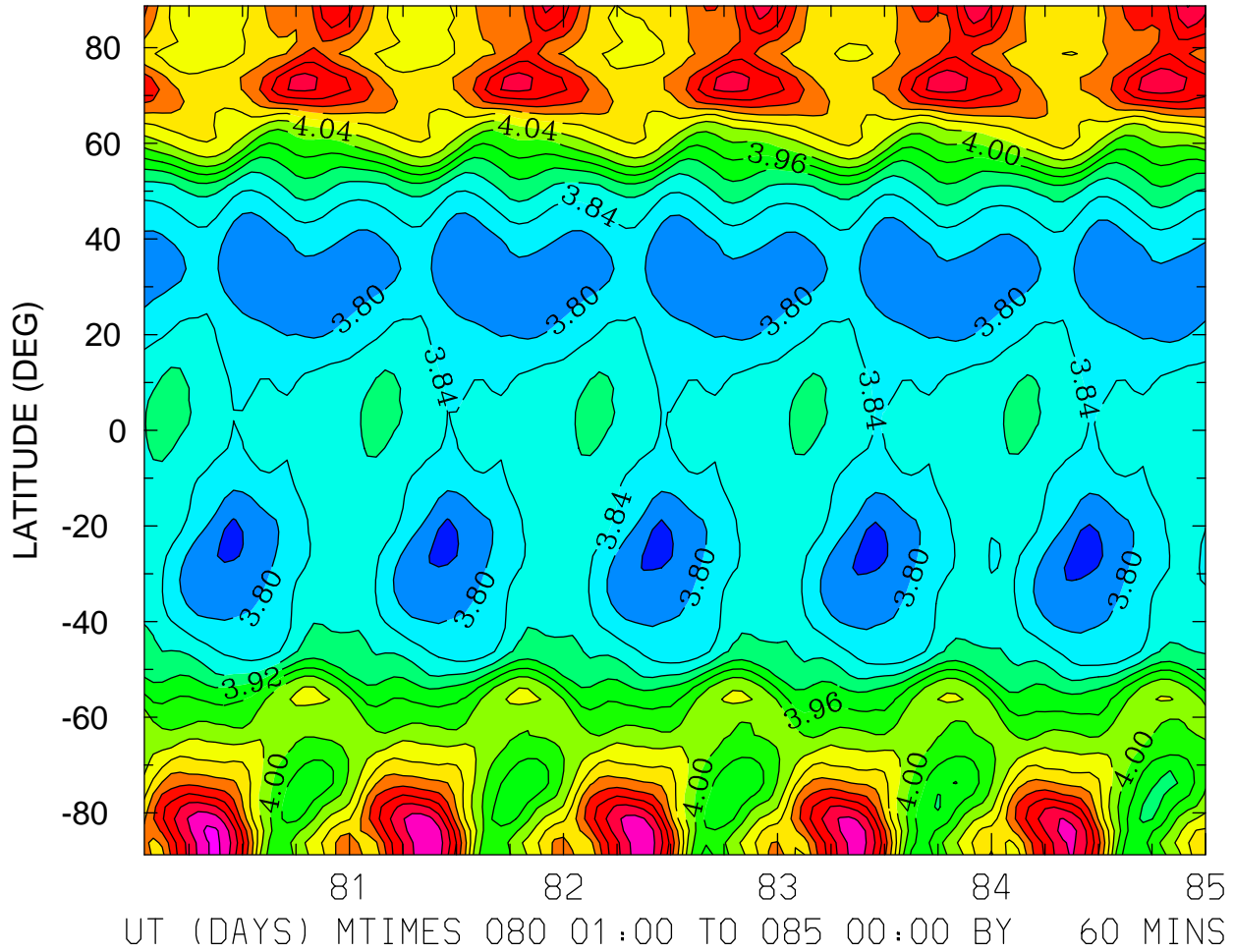
MIN,MAX= 1.3400E+00 4.3117E+00 INTERVAL= 2.0000E-01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 O2+ ION (CM3)  
ZP = -0.125 LOCAL TIME = 12.00



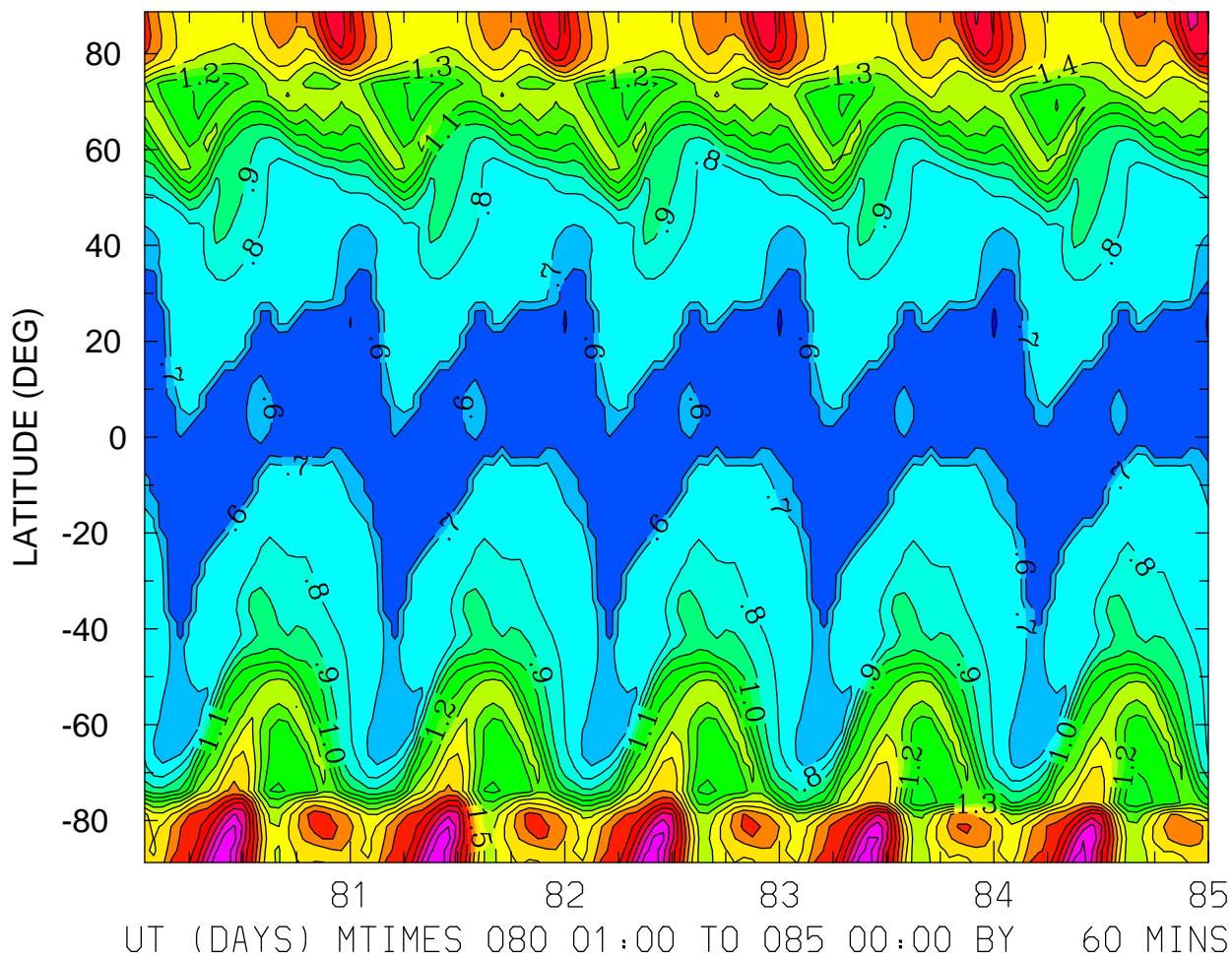
MIN,MAX= 3.9160E+00 4.4206E+00 INTERVAL= 4.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 O2+ ION (CM3)  
ZP = -0.125 ZONAL MEANS



MIN,MAX= 3.7523E+00 4.3306E+00 INTERVAL= 4.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

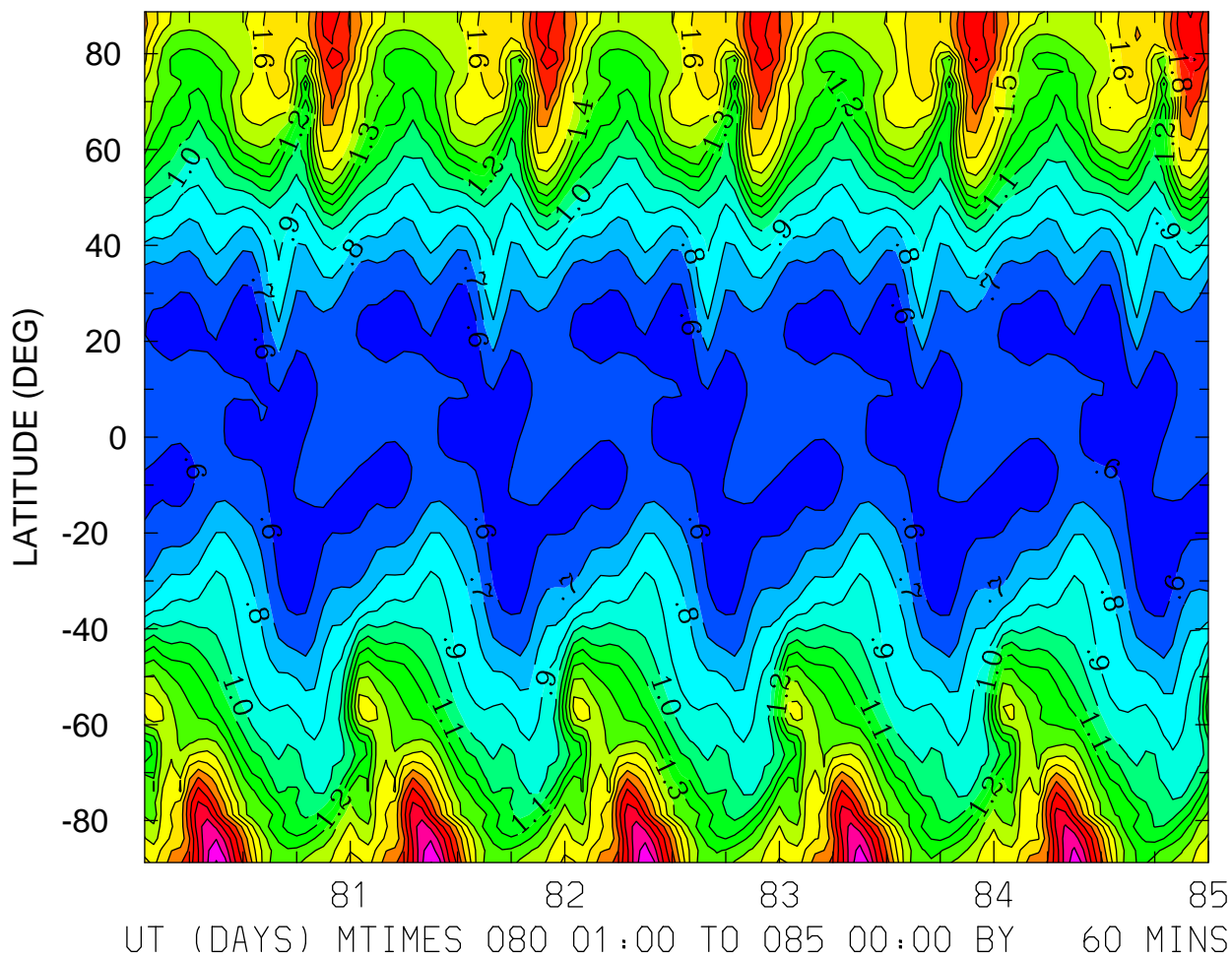
LOG10 O2+ ION (CM3)  
ZP = 3.875 LOCAL TIME = 0.00



MIN,MAX= 4.9704E-01 2.2982E+00 INTERVAL= 1.0000E-01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

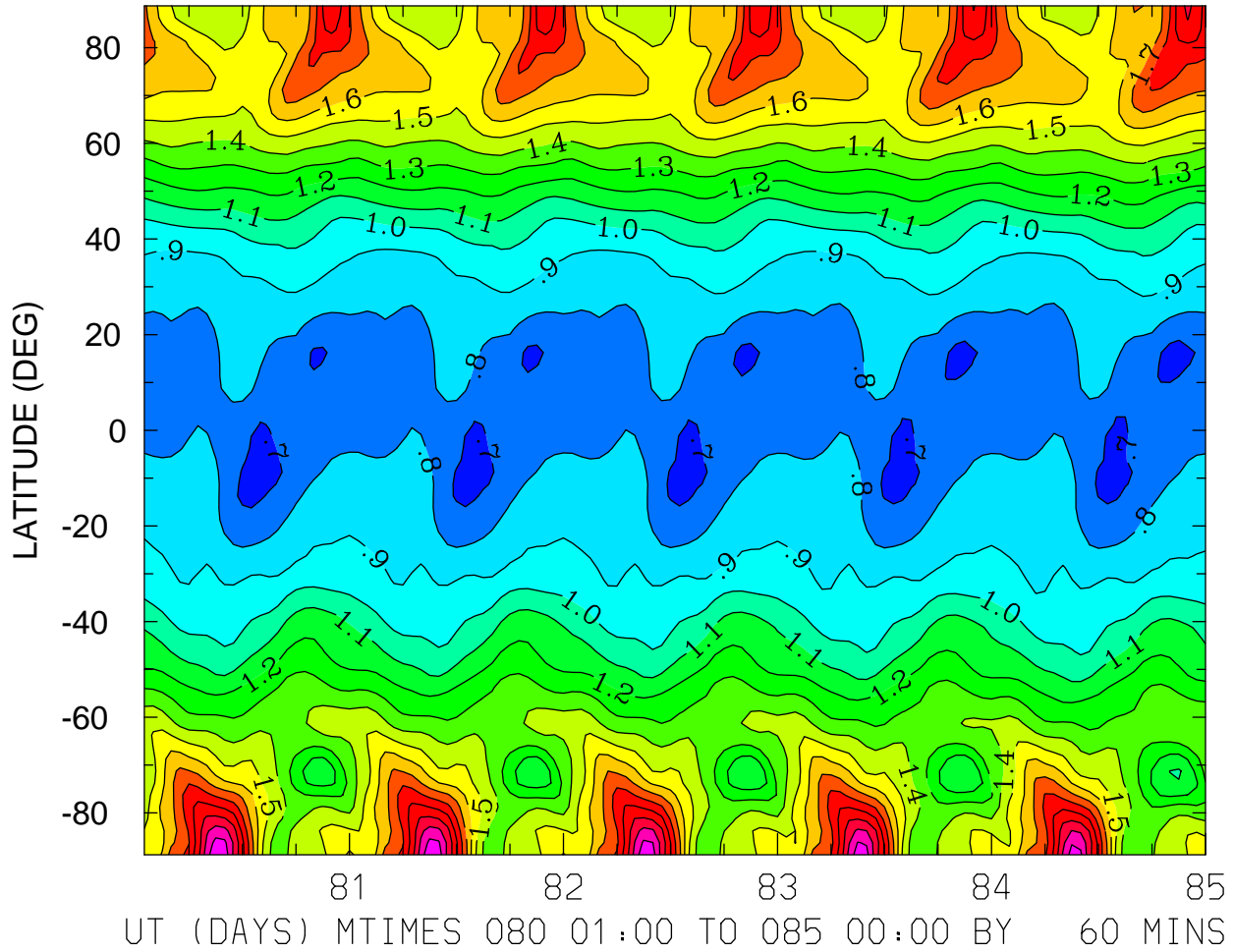


LOG10 O2+ ION (CM3)  
ZP = 3.875 LOCAL TIME = 12.00



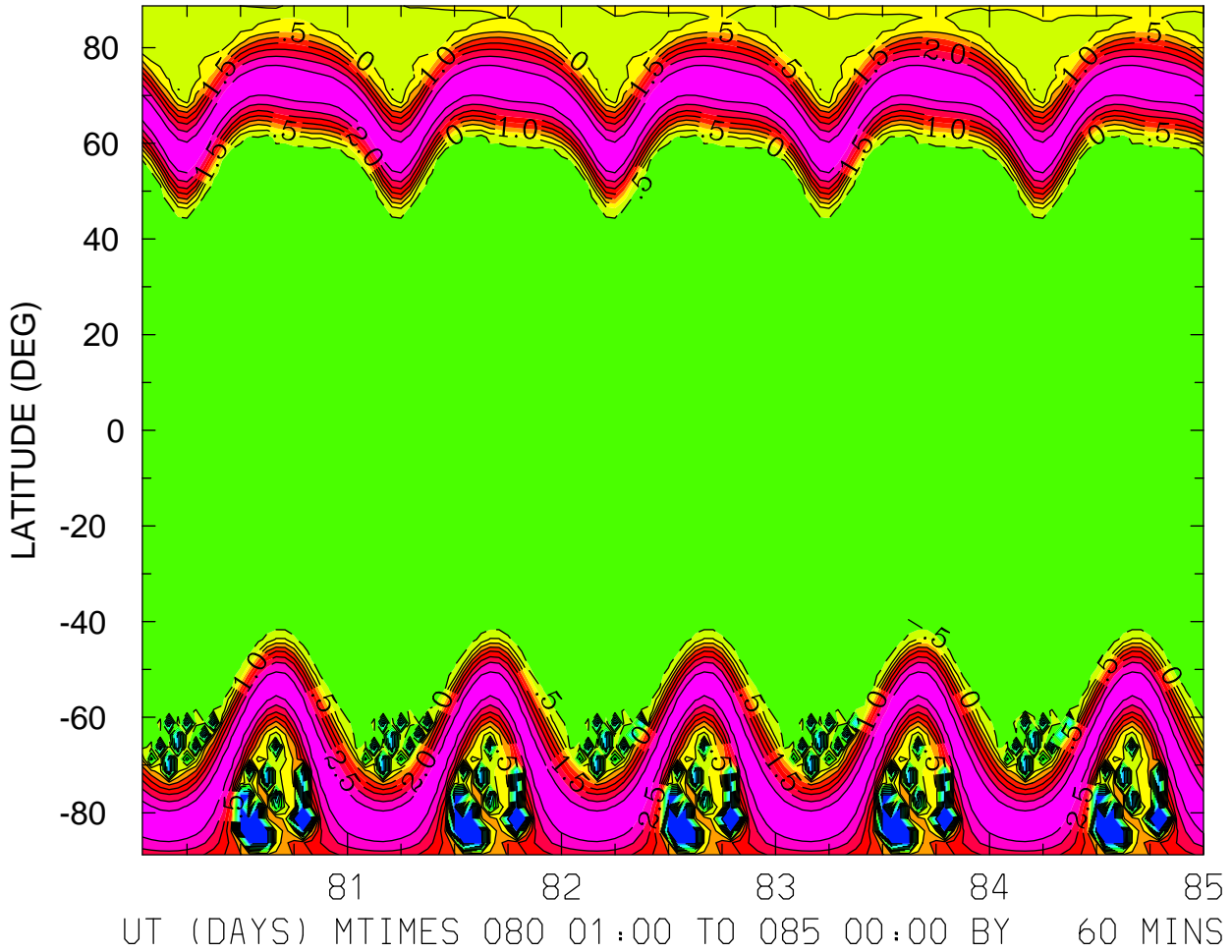
MIN,MAX= 5.3341E-01 2.3083E+00 INTERVAL= 1.0000E-01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 O2+ ION (CM3)  
ZP = 3.875 ZONAL MEANS



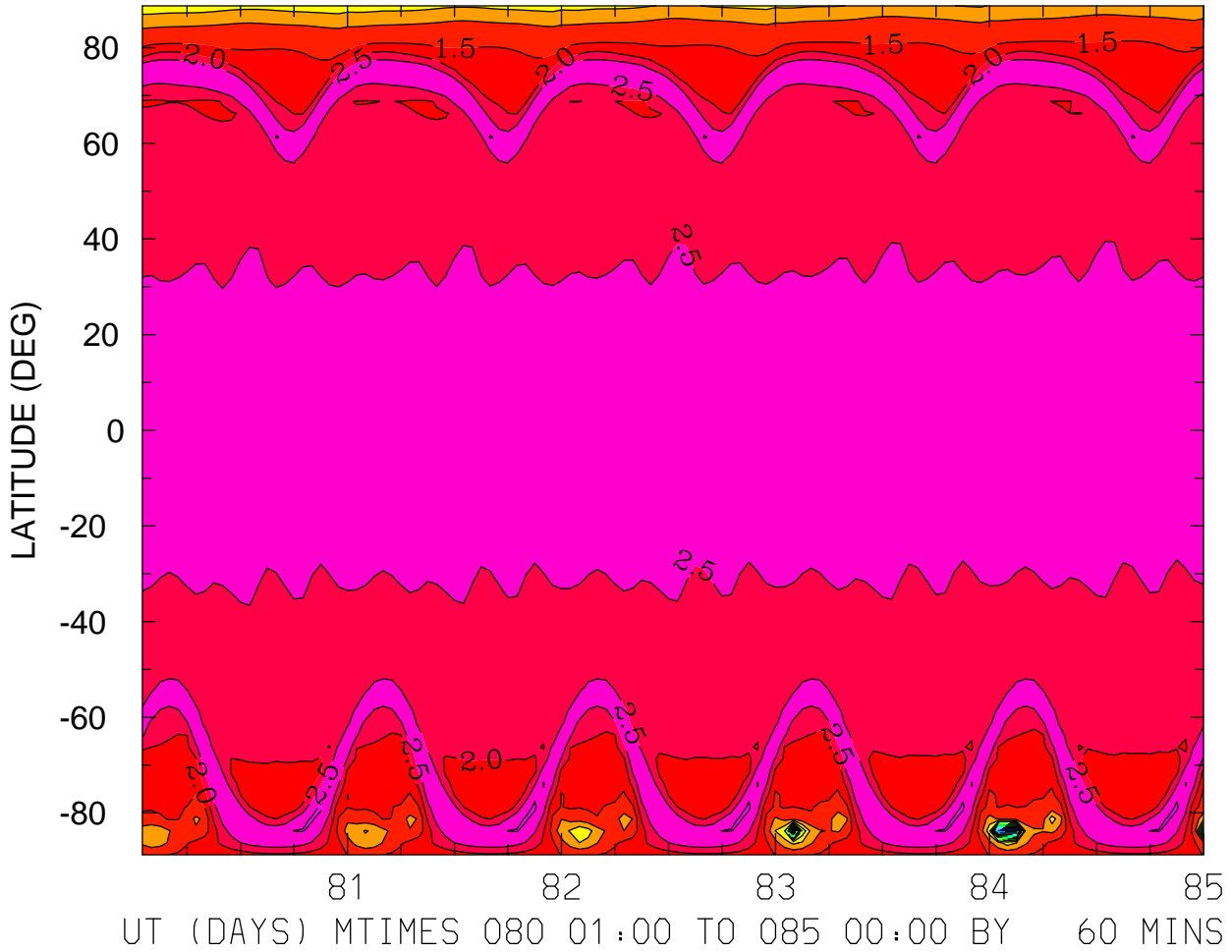
MIN,MAX= 6.6151E-01 2.2944E+00 INTERVAL= 1.0000E-01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 O+ ION (CM3)  
ZP = -4.125 LOCAL TIME = 0.00



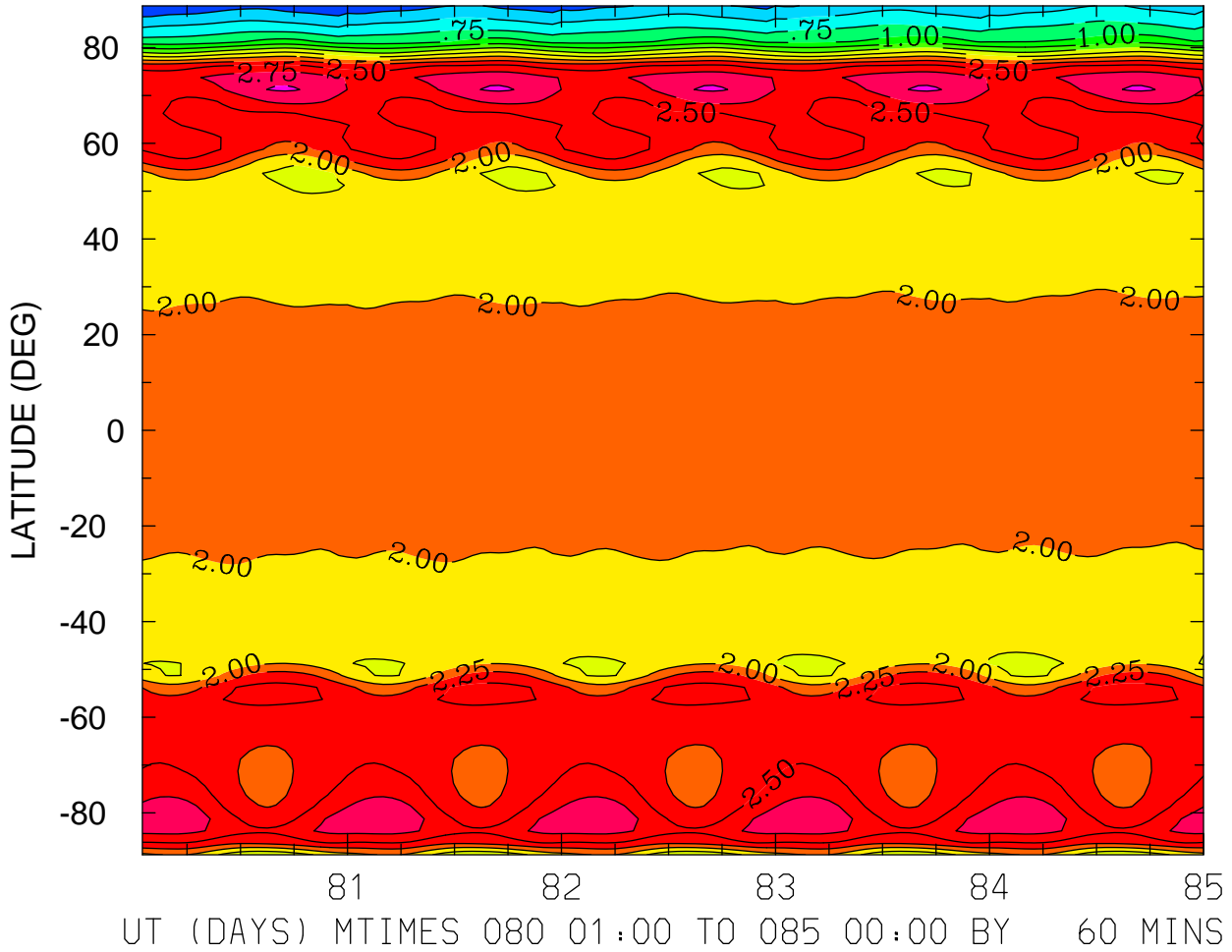
MIN,MAX= -3.8529E+00 3.3230E+00 INTERVAL= 5.0000E-01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 O+ ION (CM3)  
ZP = -4.125 LOCAL TIME = 12.00



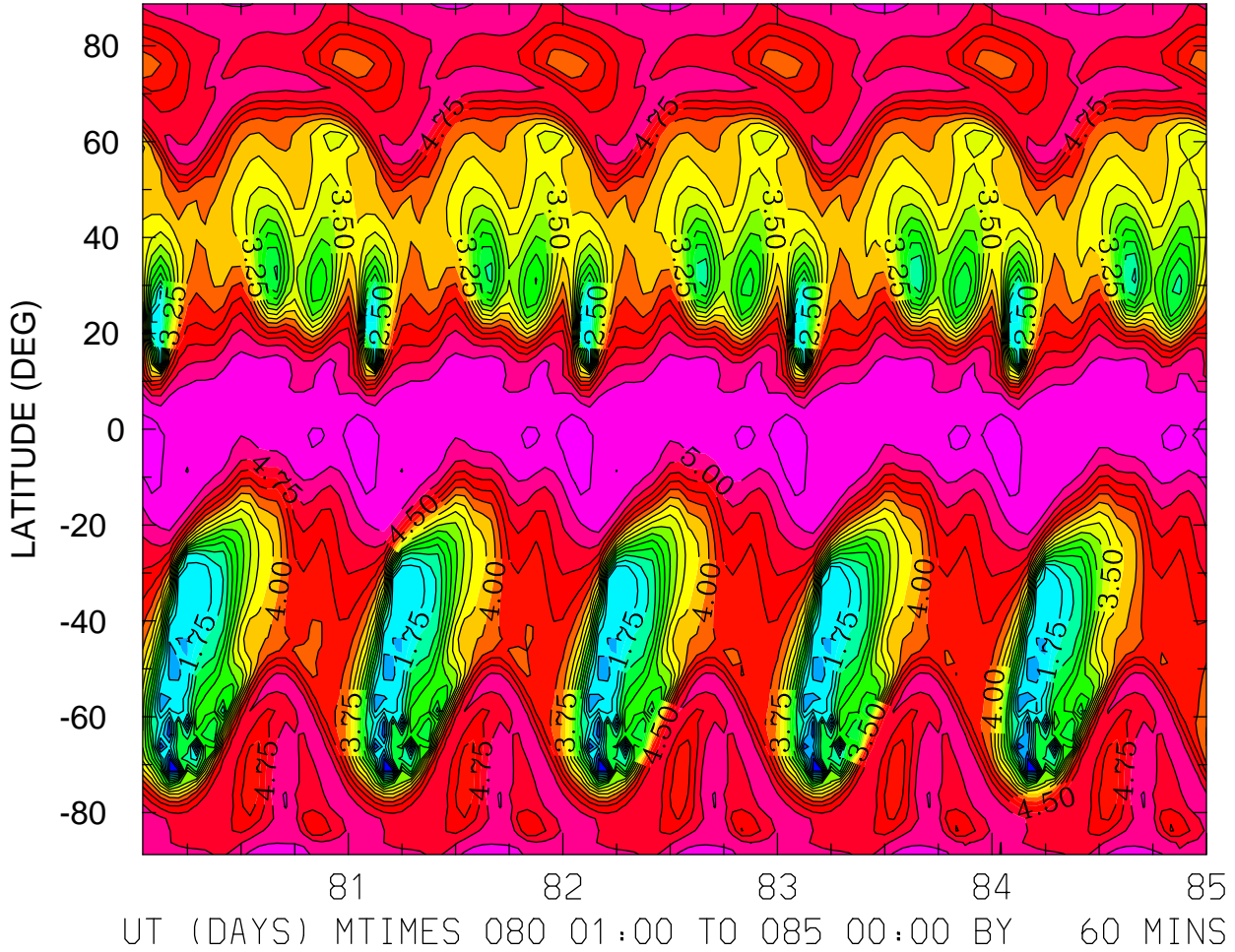
MIN,MAX= -3.7769E+00 3.0622E+00 INTERVAL= 5.0000E-01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 O+ ION (CM3)  
ZP = -4.125 ZONAL MEANS



MIN,MAX= 8.3987E-03 3.0293E+00 INTERVAL= 2.5000E-01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

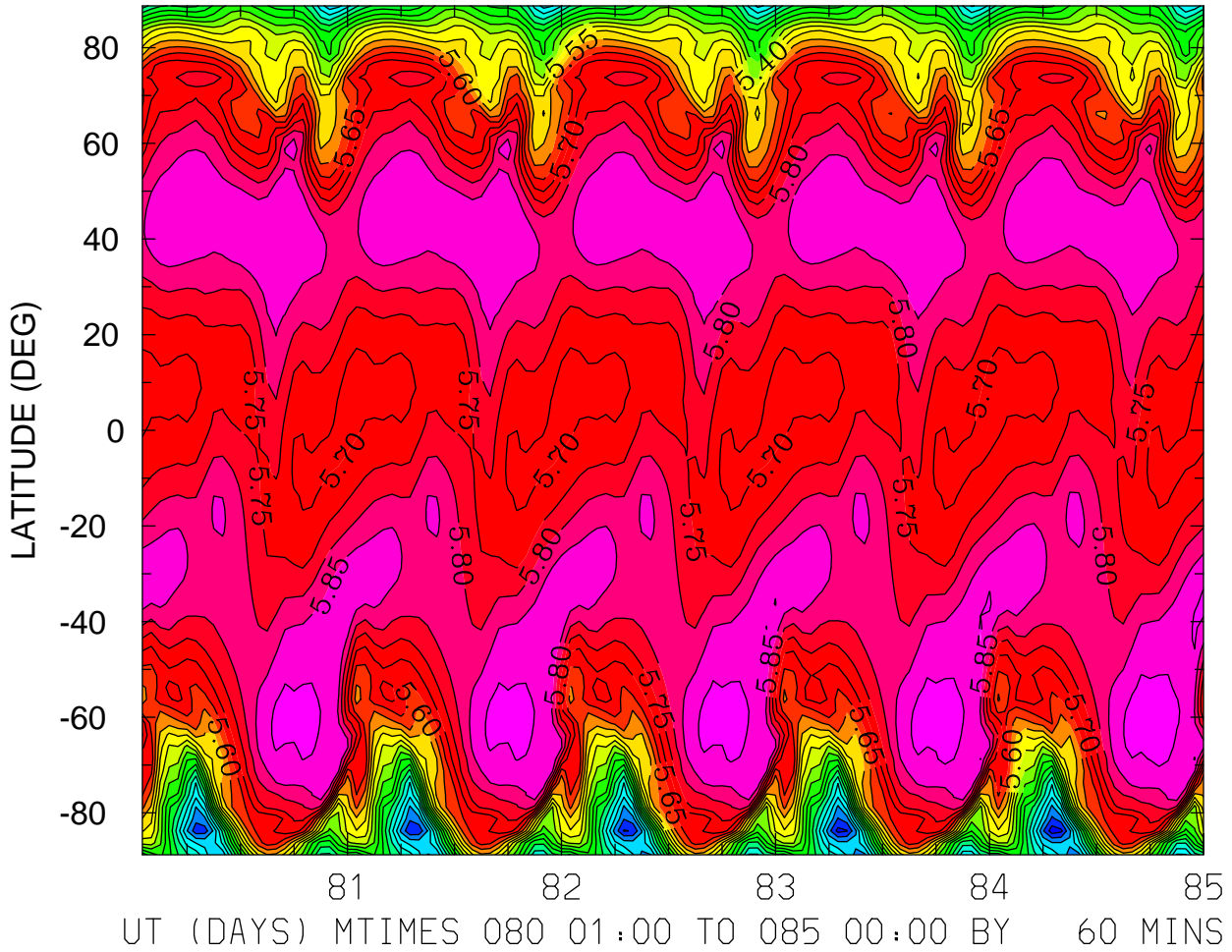
LOG10 O+ ION (CM3)  
ZP = -0.125 LOCAL TIME = 0.00



MIN,MAX= 9.3237E-01 5.6249E+00 INTERVAL= 2.5000E-01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

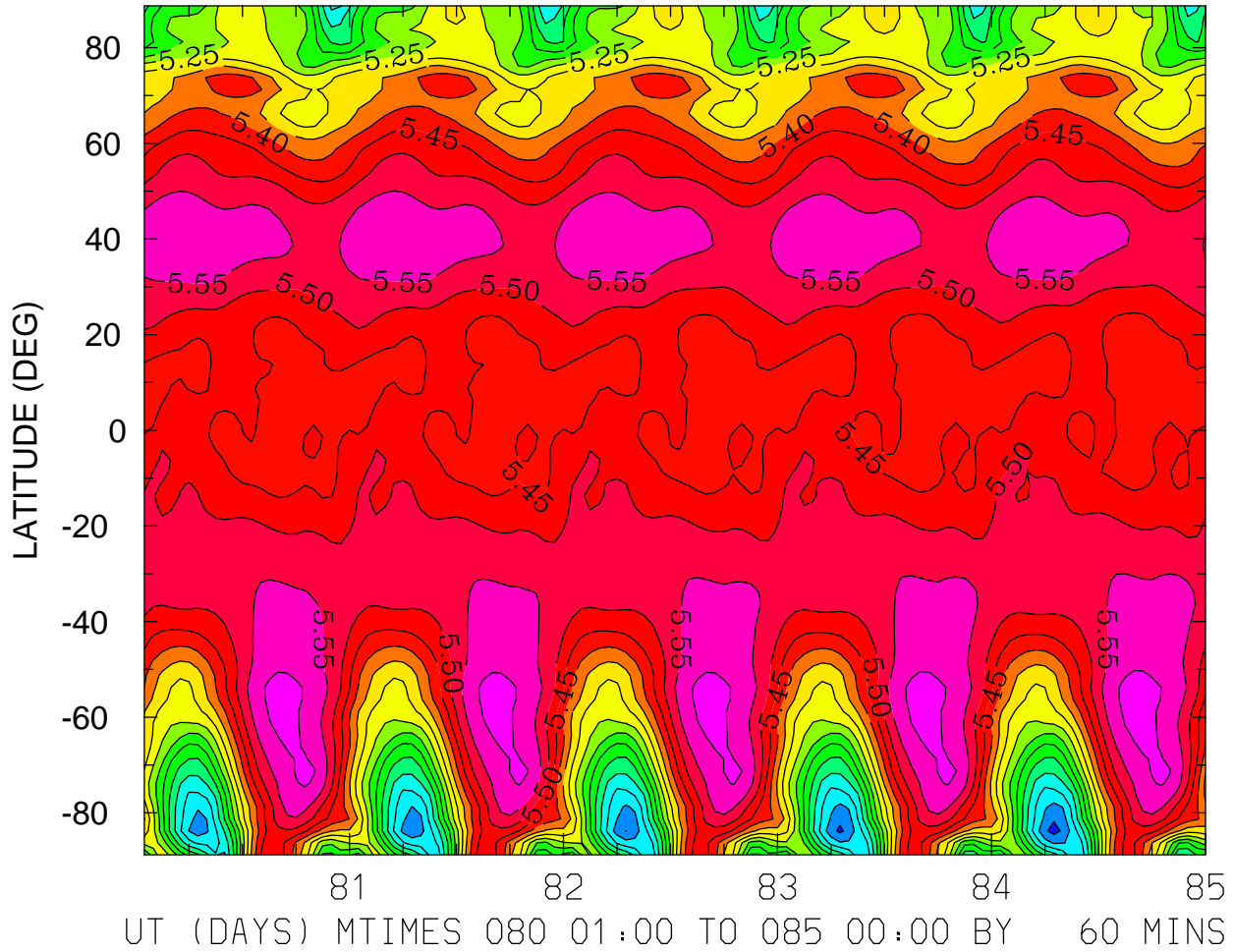


LOG10 O+ ION (CM3)  
ZP = -0.125 LOCAL TIME = 12.00



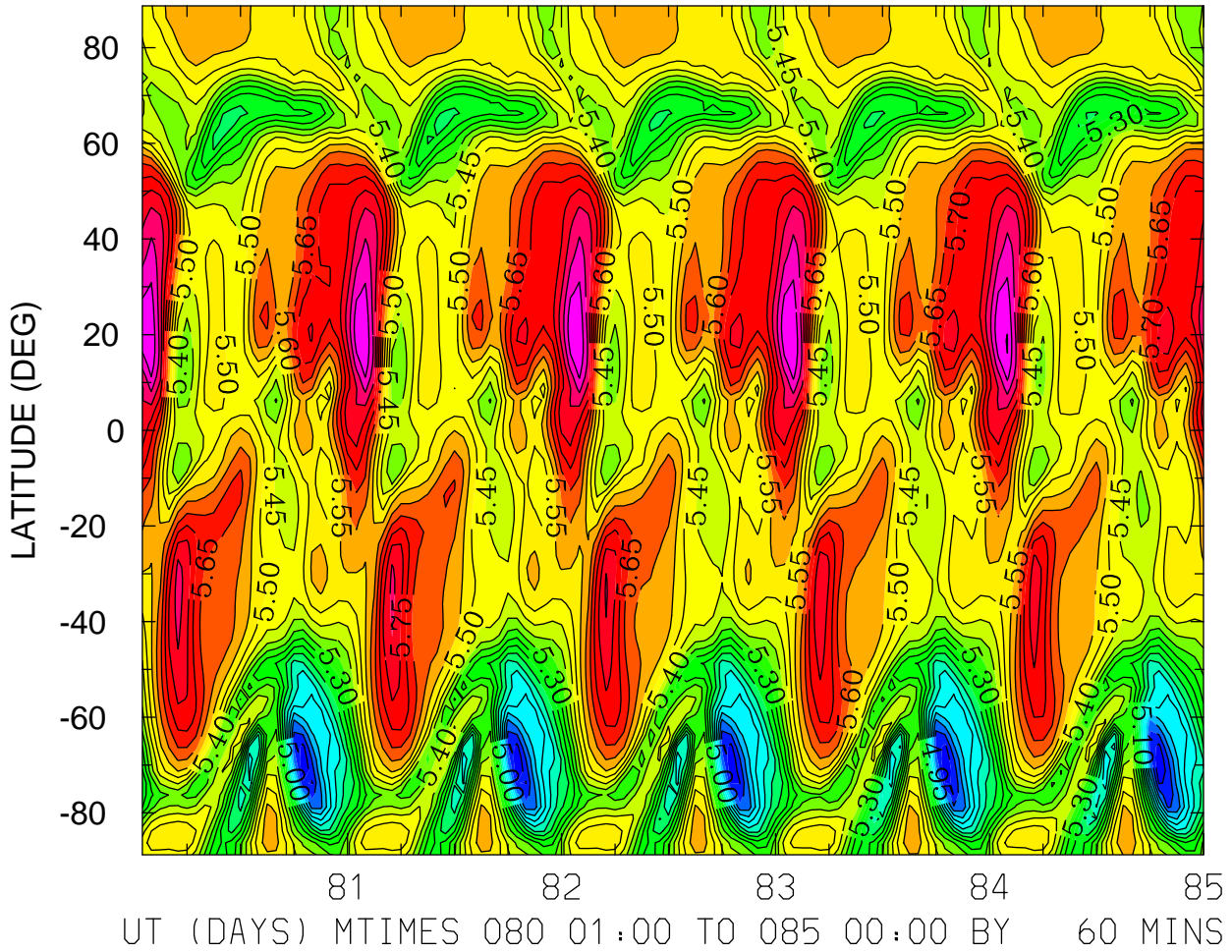
MIN,MAX= 4.8704E+00 5.9197E+00 INTERVAL= 5.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 O+ ION (CM3)  
ZP = -0.125 ZONAL MEANS



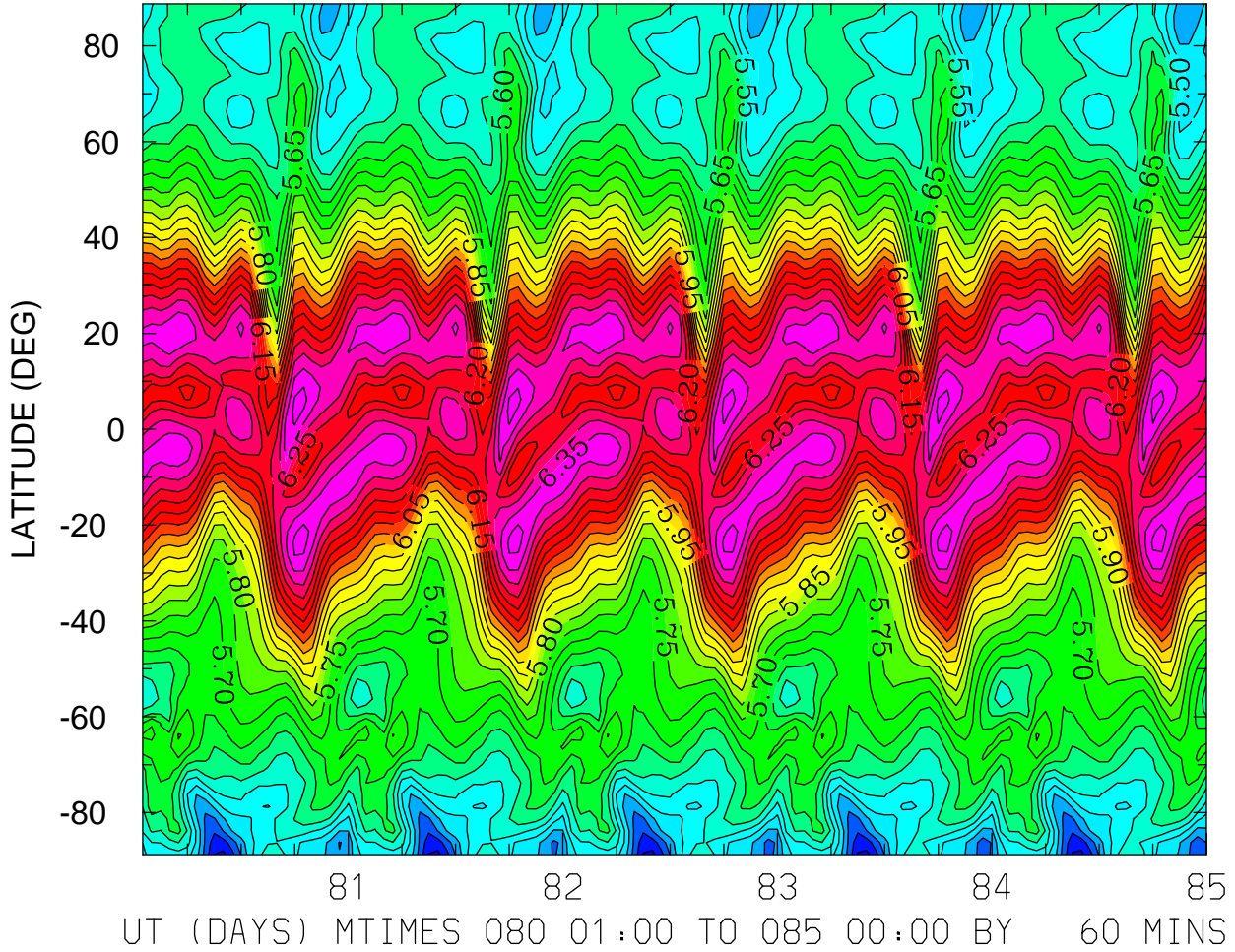
MIN,MAX= 4.8807E+00 5.6173E+00 INTERVAL= 5.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 O+ ION (CM3)  
ZP = 3.875 LOCAL TIME = 0.00



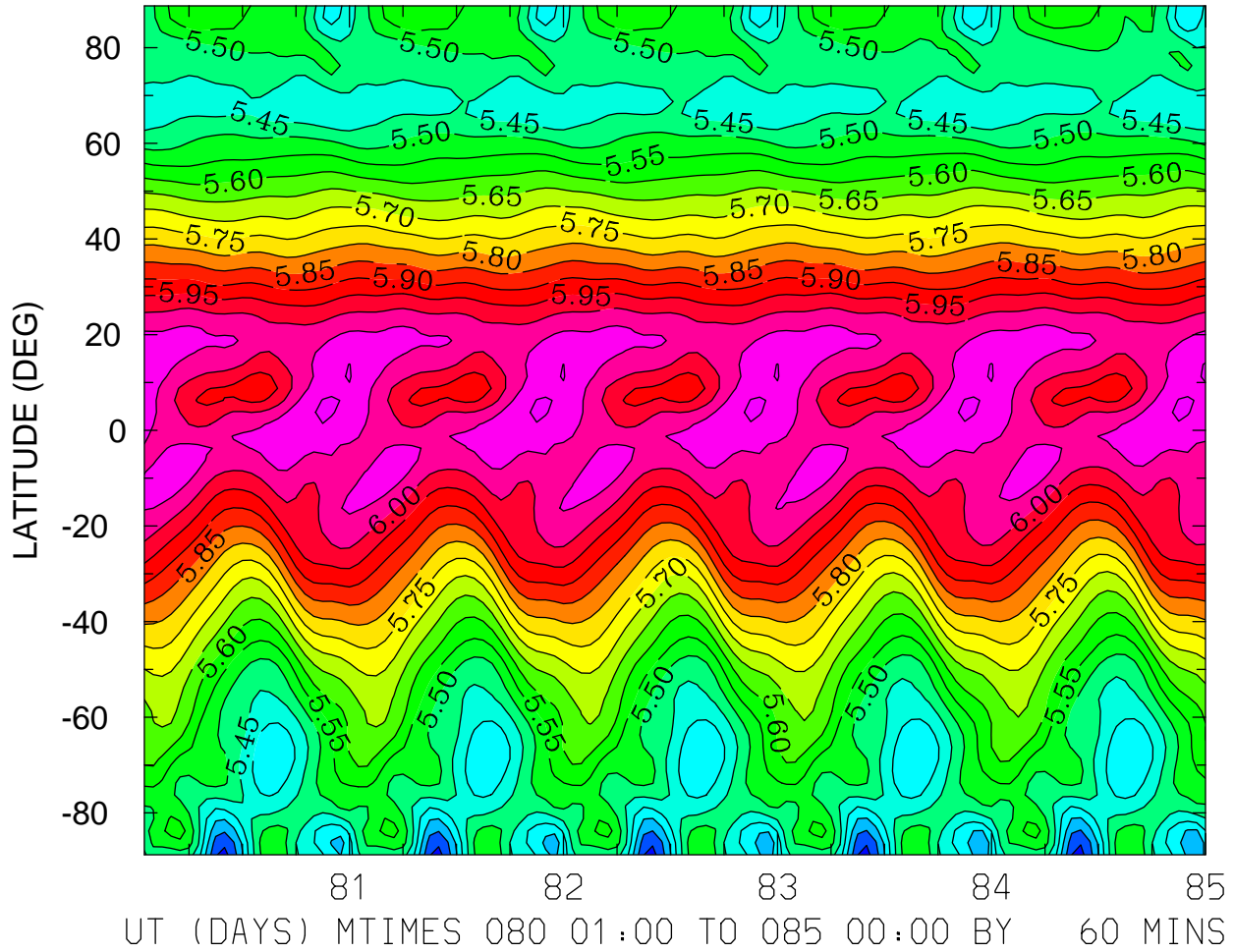
MIN,MAX= 4.8024E+00 5.9525E+00 INTERVAL= 5.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

LOG10 O+ ION (CM3)  
ZP = 3.875 LOCAL TIME = 12.00



MIN,MAX= 5.2362E+00 6.4204E+00 INTERVAL= 5.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

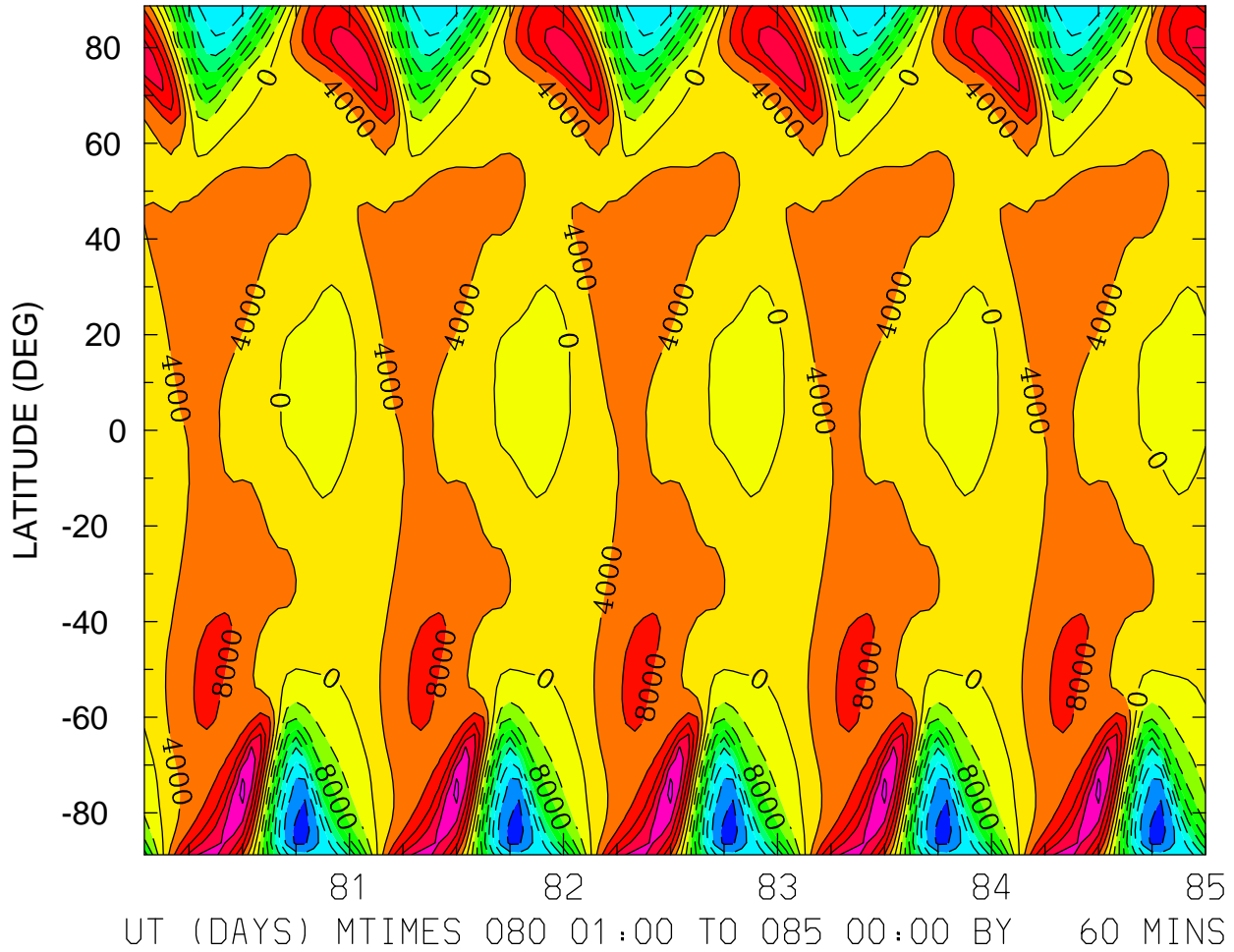
LOG10 O+ ION (CM3)  
ZP = 3.875 ZONAL MEANS



MIN,MAX= 5.2328E+00 6.1081E+00 INTERVAL= 5.0000E-02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc



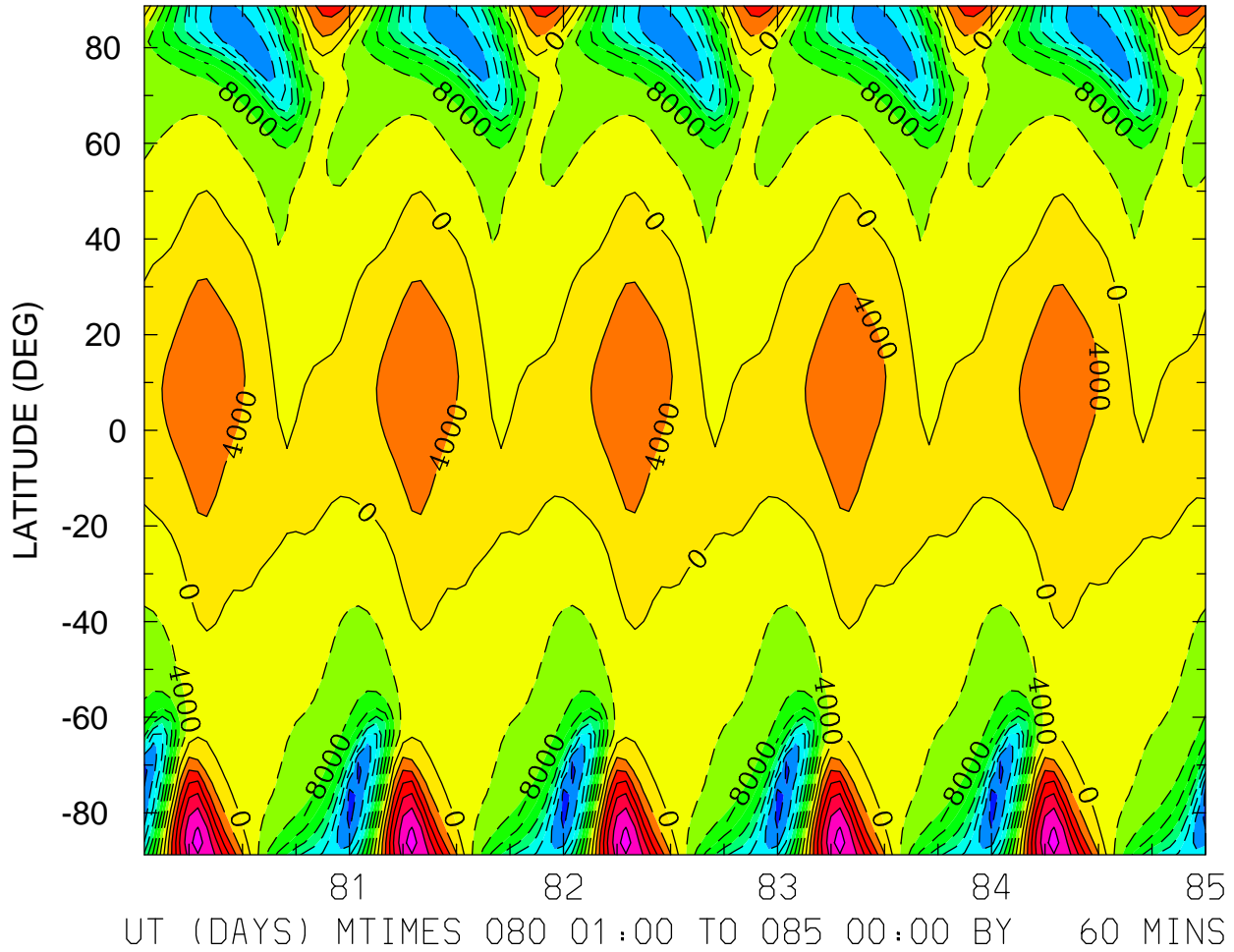
ELECTRIC POTENTIAL (VOLTS)  
ZP = -4.000 LOCAL TIME = 0.00



MIN,MAX= -3.3354E+04 2.5292E+04 INTERVAL= 4.0000E+03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

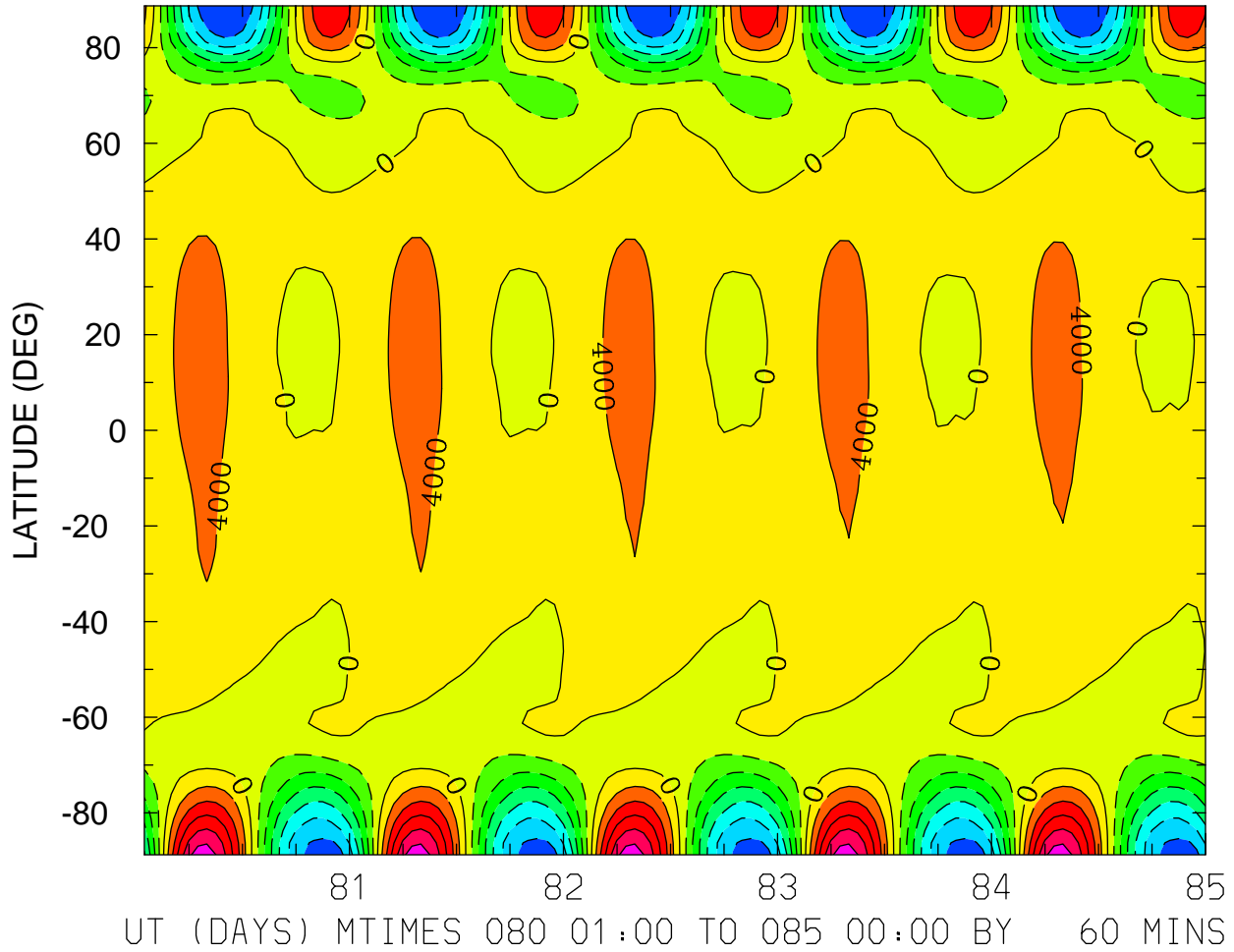


ELECTRIC POTENTIAL (VOLTS)  
ZP = -4.000 LOCAL TIME = 12.00



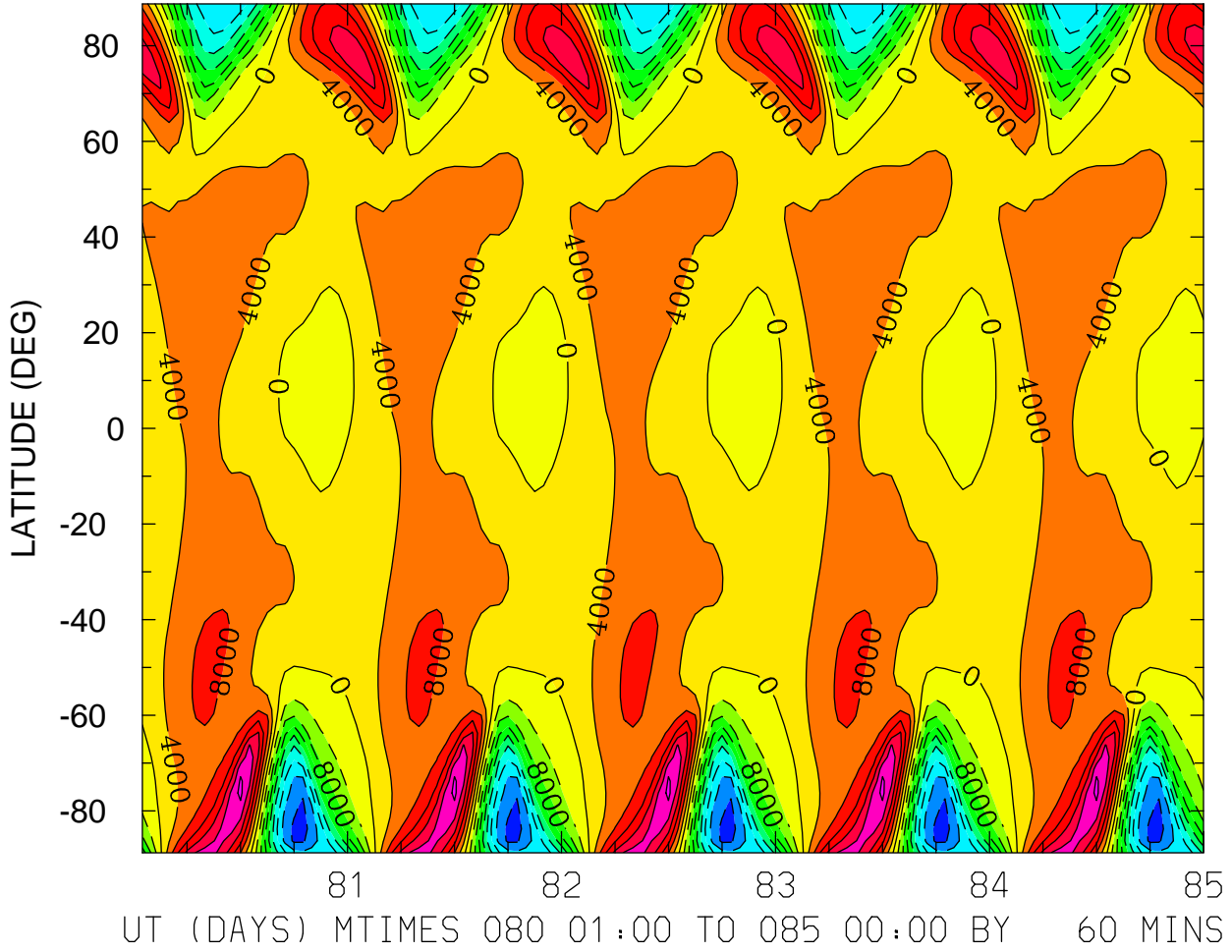
MIN,MAX= -3.3472E+04 2.5515E+04 INTERVAL= 4.0000E+03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

ELECTRIC POTENTIAL (VOLTS)  
ZP = -4.000 ZONAL MEANS



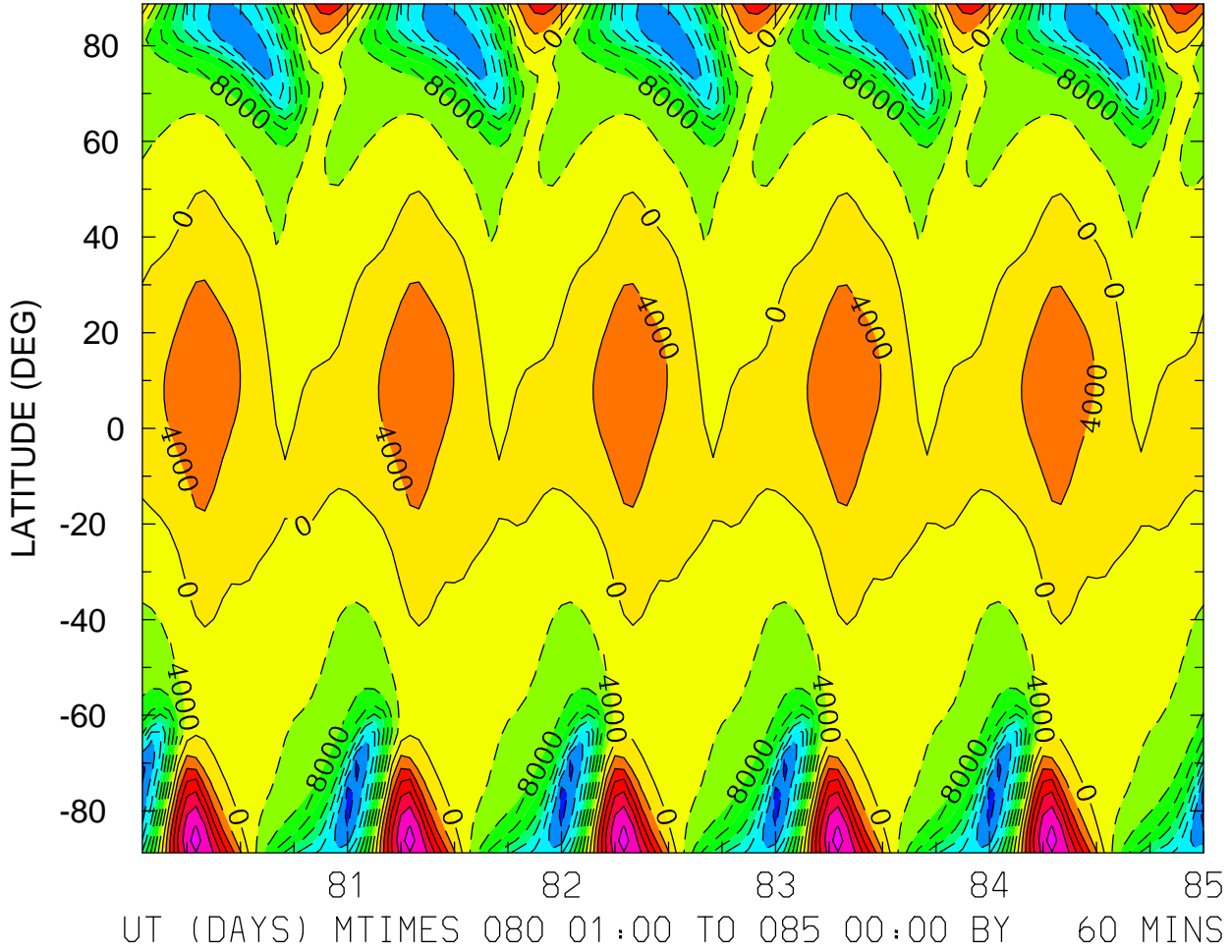
MIN,MAX= -2.7904E+04 2.2053E+04 INTERVAL= 4.0000E+03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

ELECTRIC POTENTIAL (VOLTS)  
ZP = 0.000 LOCAL TIME = 0.00



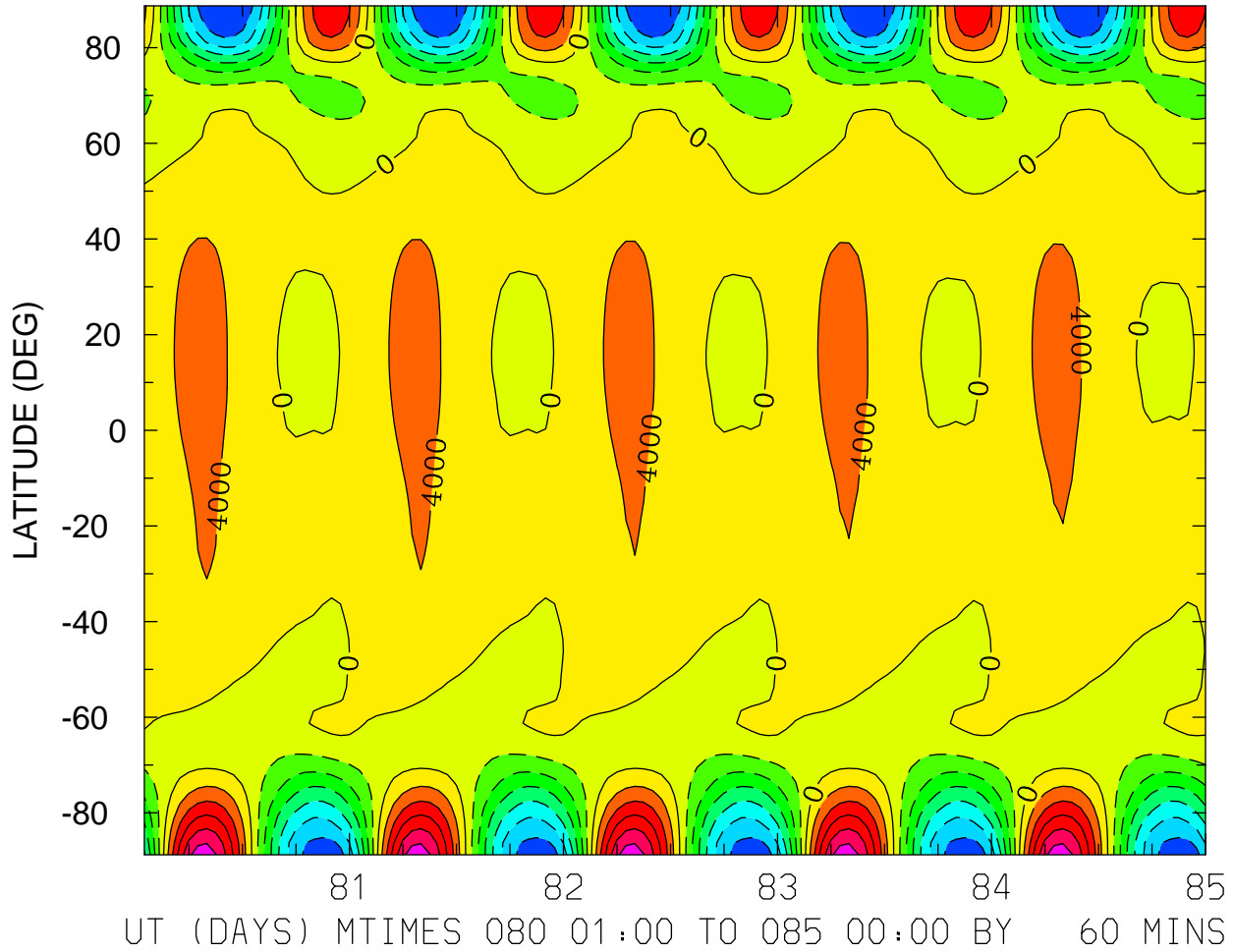
MIN,MAX= -3.3317E+04 2.5189E+04 INTERVAL= 4.0000E+03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

ELECTRIC POTENTIAL (VOLTS)  
ZP = 0.000 LOCAL TIME = 12.00



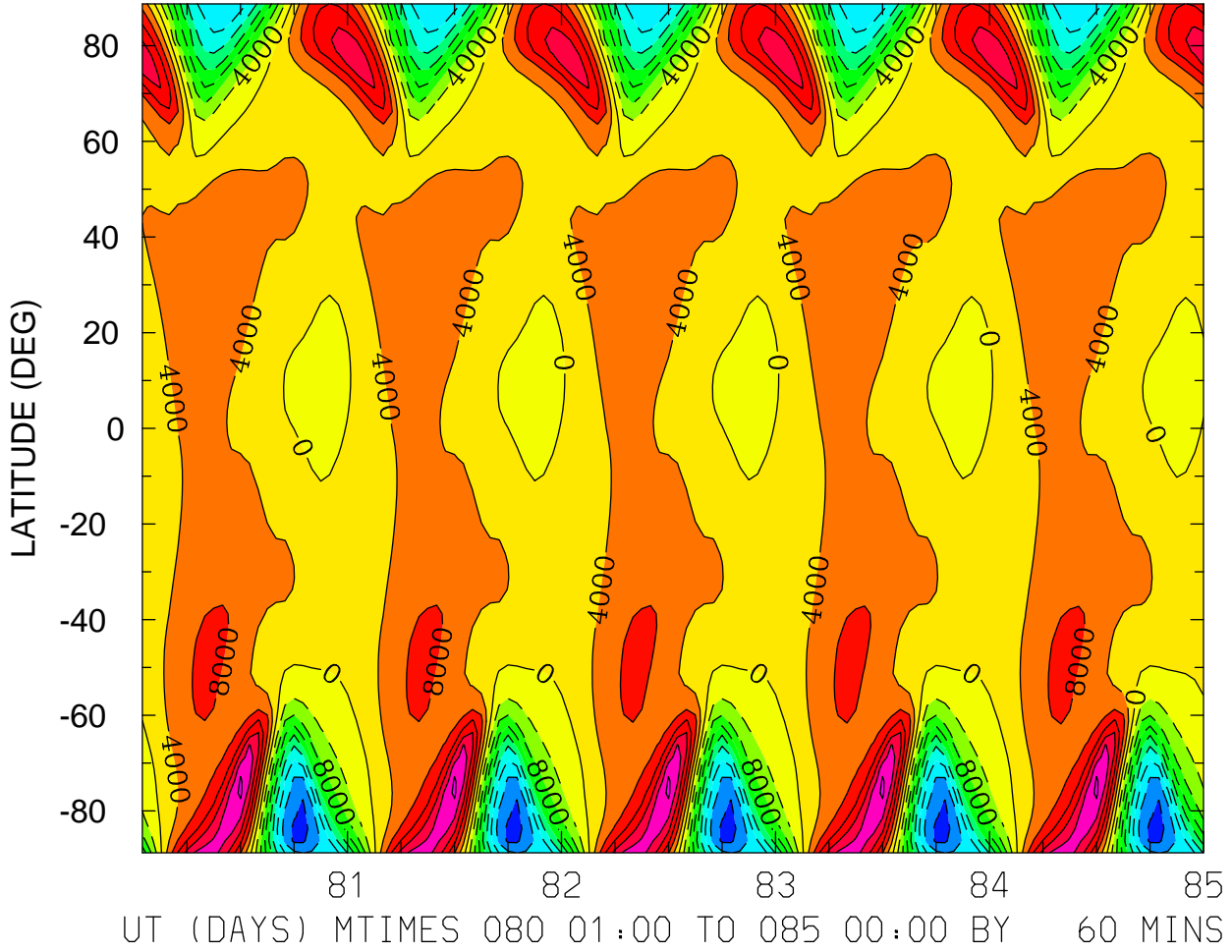
MIN,MAX= -3.3441E+04 2.5437E+04 INTERVAL= 4.0000E+03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

ELECTRIC POTENTIAL (VOLTS)  
ZP = 0.000 ZONAL MEANS



MIN,MAX= -2.7829E+04 2.2177E+04 INTERVAL= 4.0000E+03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

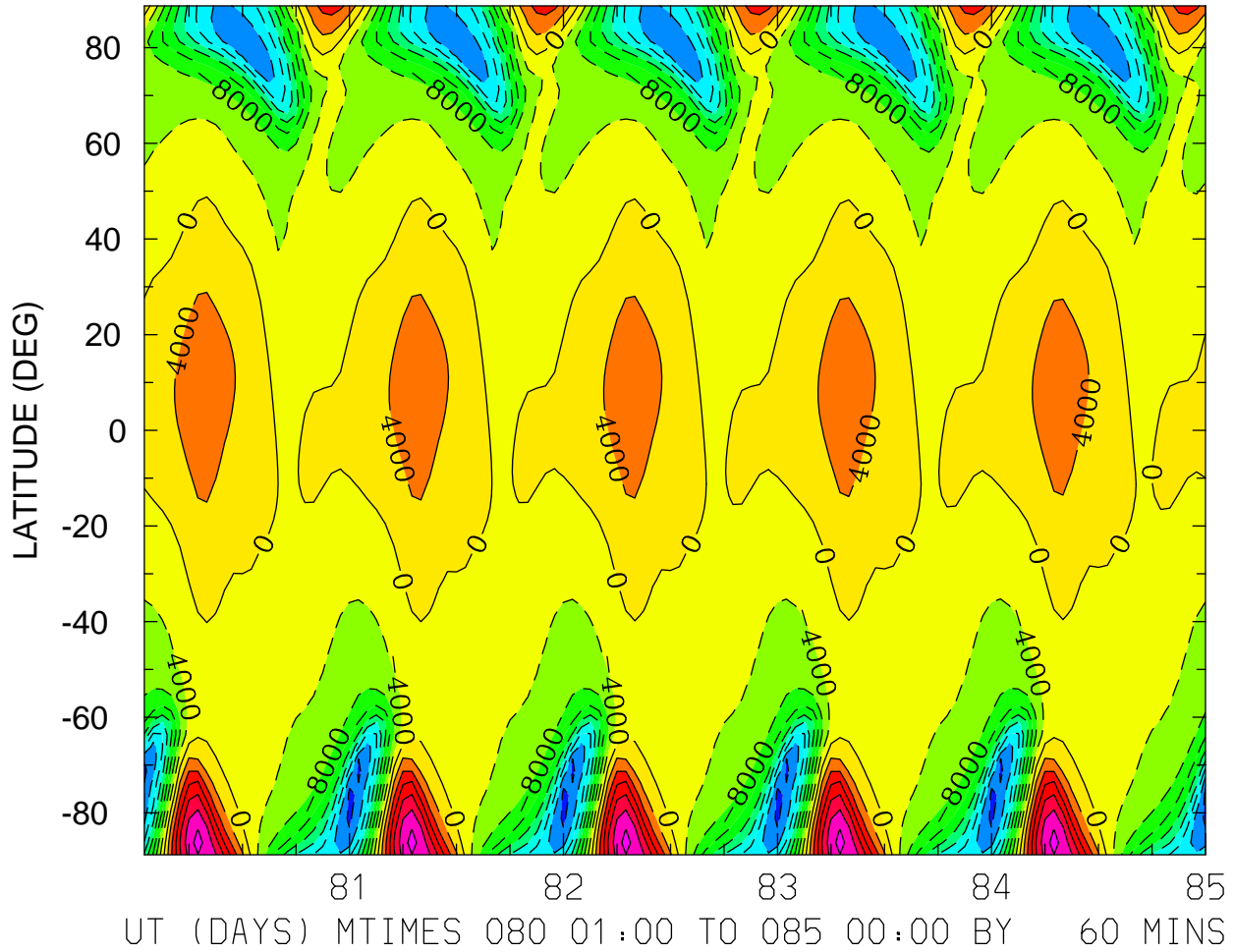
ELECTRIC POTENTIAL (VOLTS)  
ZP = 4.000 LOCAL TIME = 0.00



MIN,MAX= -3.3219E+04 2.4905E+04 INTERVAL= 4.0000E+03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

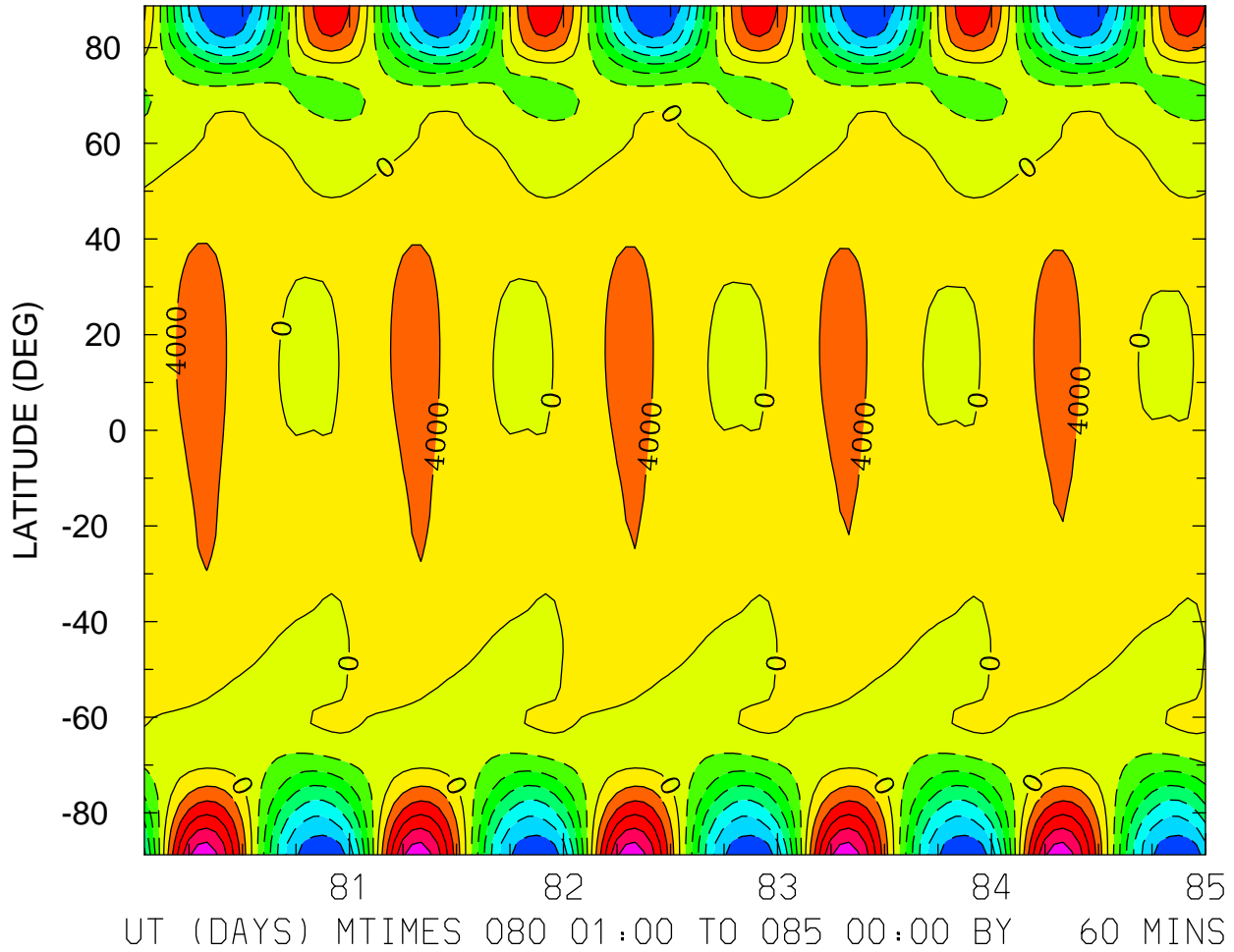


ELECTRIC POTENTIAL (VOLTS)  
ZP = 4.000 LOCAL TIME = 12.00



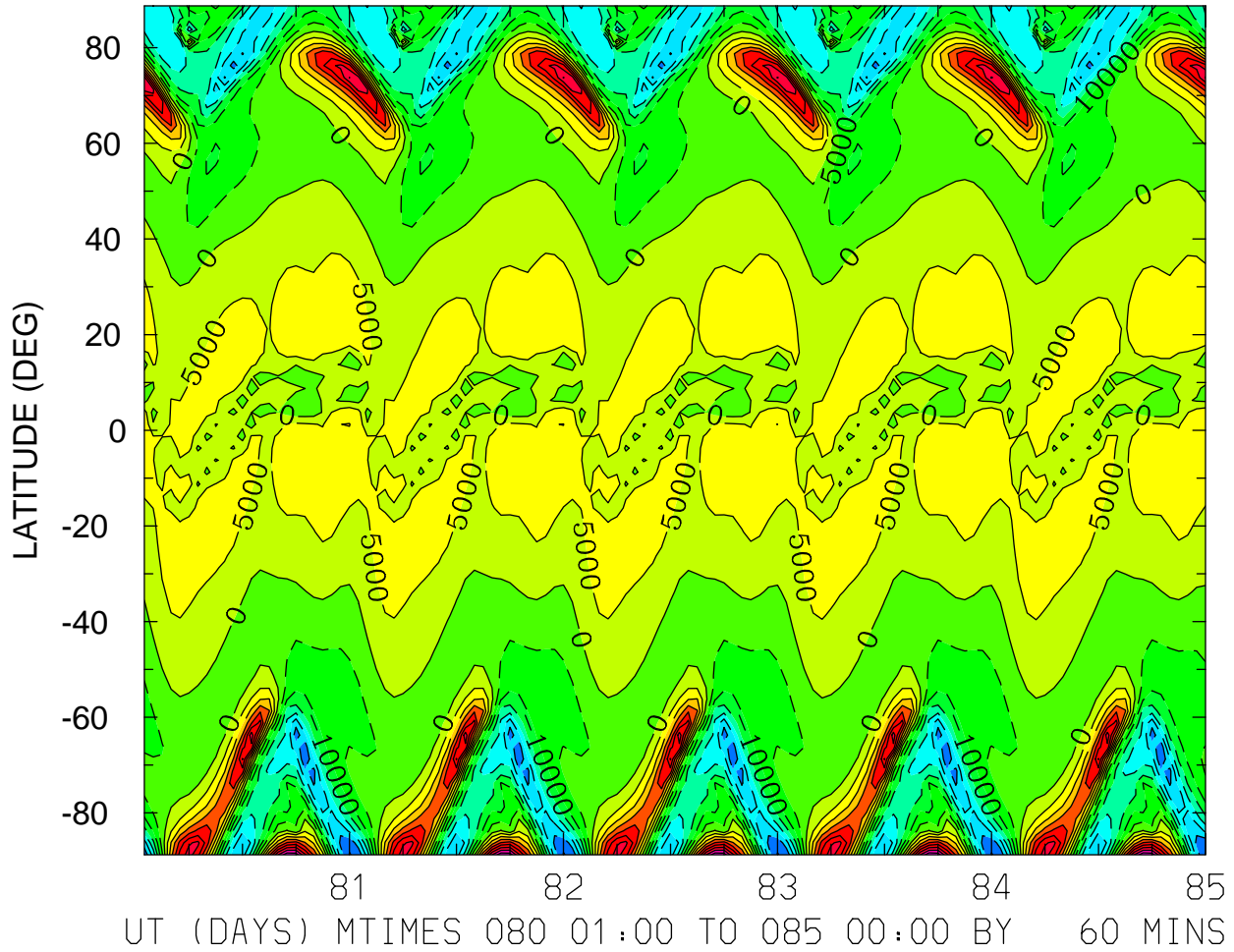
MIN,MAX= -3.3353E+04 2.5224E+04 INTERVAL= 4.0000E+03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

ELECTRIC POTENTIAL (VOLTS)  
ZP = 4.000 ZONAL MEANS



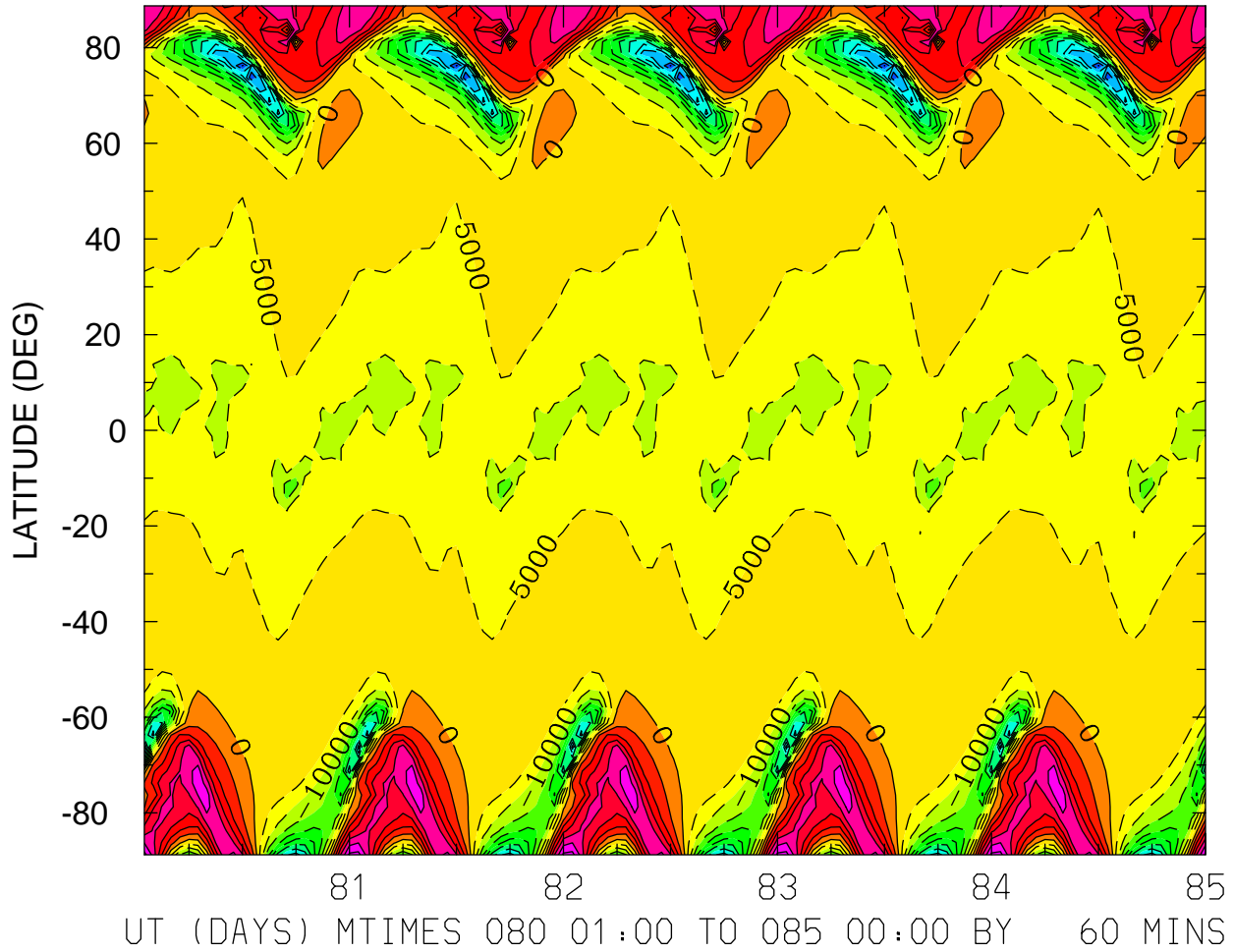
MIN,MAX= -2.7632E+04 2.2515E+04 INTERVAL= 4.0000E+03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

UI\_ExB: UI: Zonal ExB Velocity (cm/s)  
ZP = -4.000 LOCAL TIME = 0.00



MIN,MAX= -3.5271E+04 4.3711E+04 INTERVAL= 5.0000E+03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

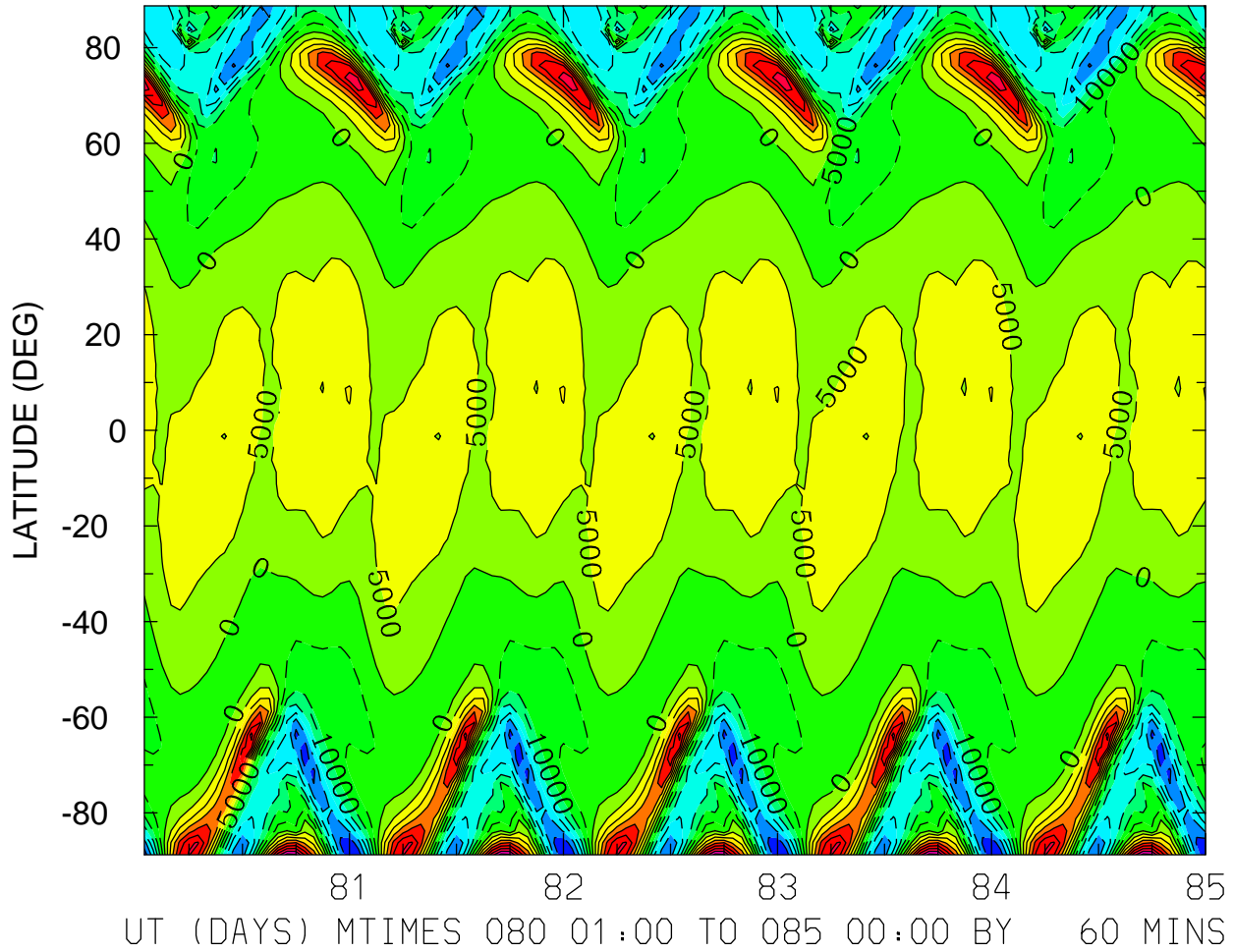
UI\_ExB: UI: Zonal ExB Velocity (cm/s)  
ZP = -4.000 LOCAL TIME = 12.00



MIN,MAX= -5.5318E+04 3.1752E+04 INTERVAL= 5.0000E+03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc



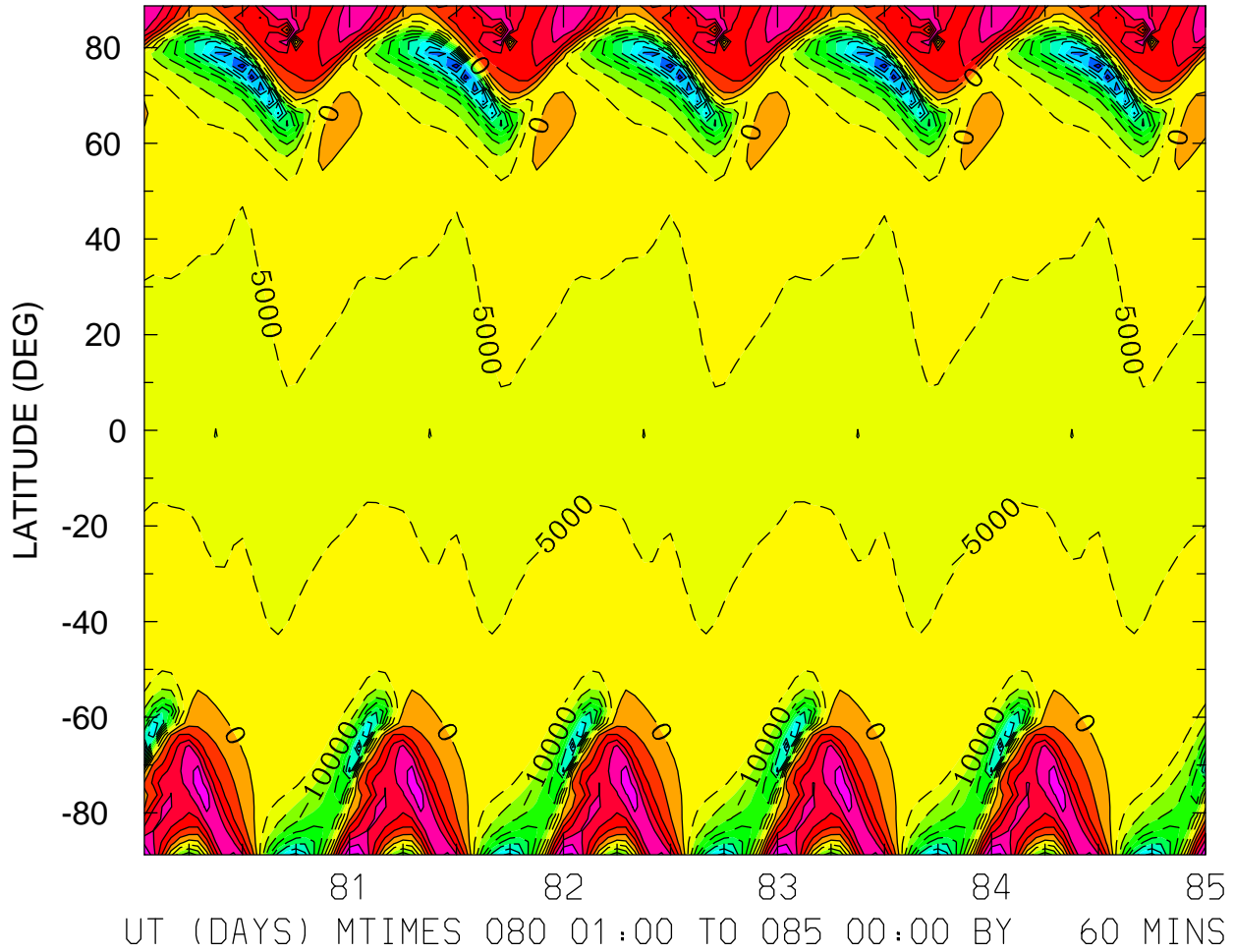
UI\_ExB: UI: Zonal ExB Velocity (cm/s)  
ZP = 0.000 LOCAL TIME = 0.00



MIN,MAX= -3.4309E+04 4.1529E+04 INTERVAL= 5.0000E+03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

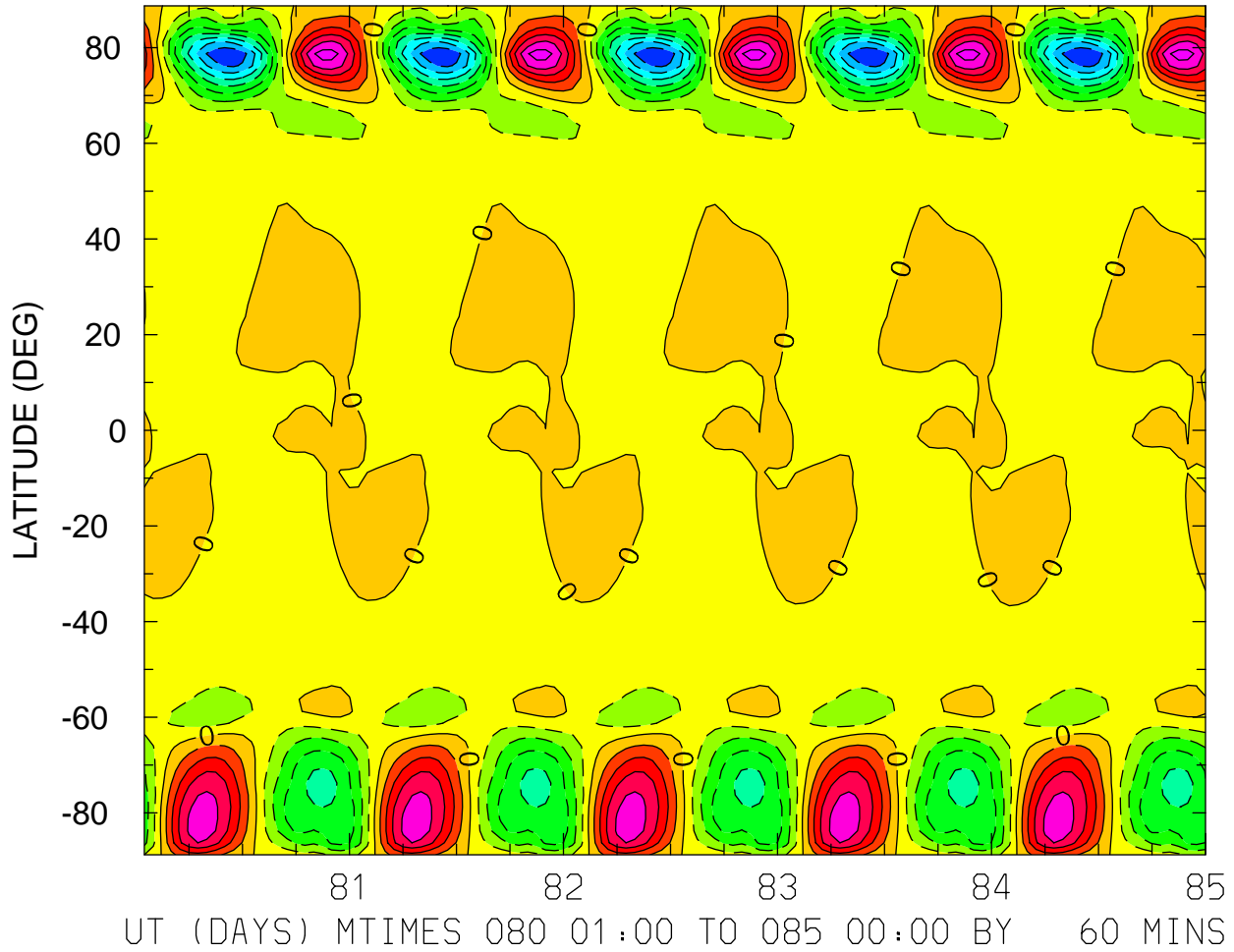


UI\_ExB: UI: Zonal ExB Velocity (cm/s)  
ZP = 0.000 LOCAL TIME = 12.00



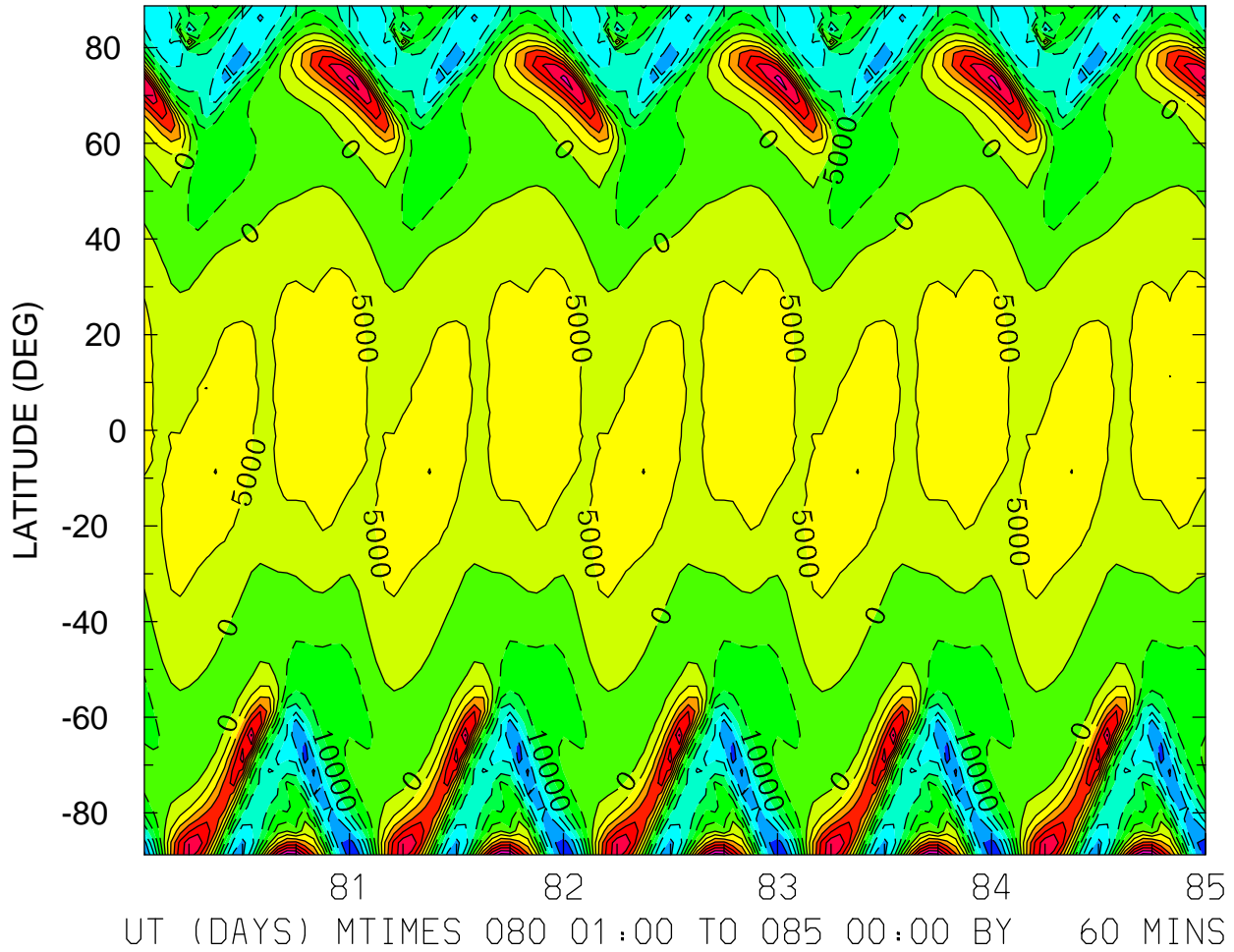
MIN,MAX= -5.3051E+04 3.0602E+04 INTERVAL= 5.0000E+03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

UI\_ExB: UI: Zonal ExB Velocity (cm/s)  
ZP = 0.000 ZONAL MEANS



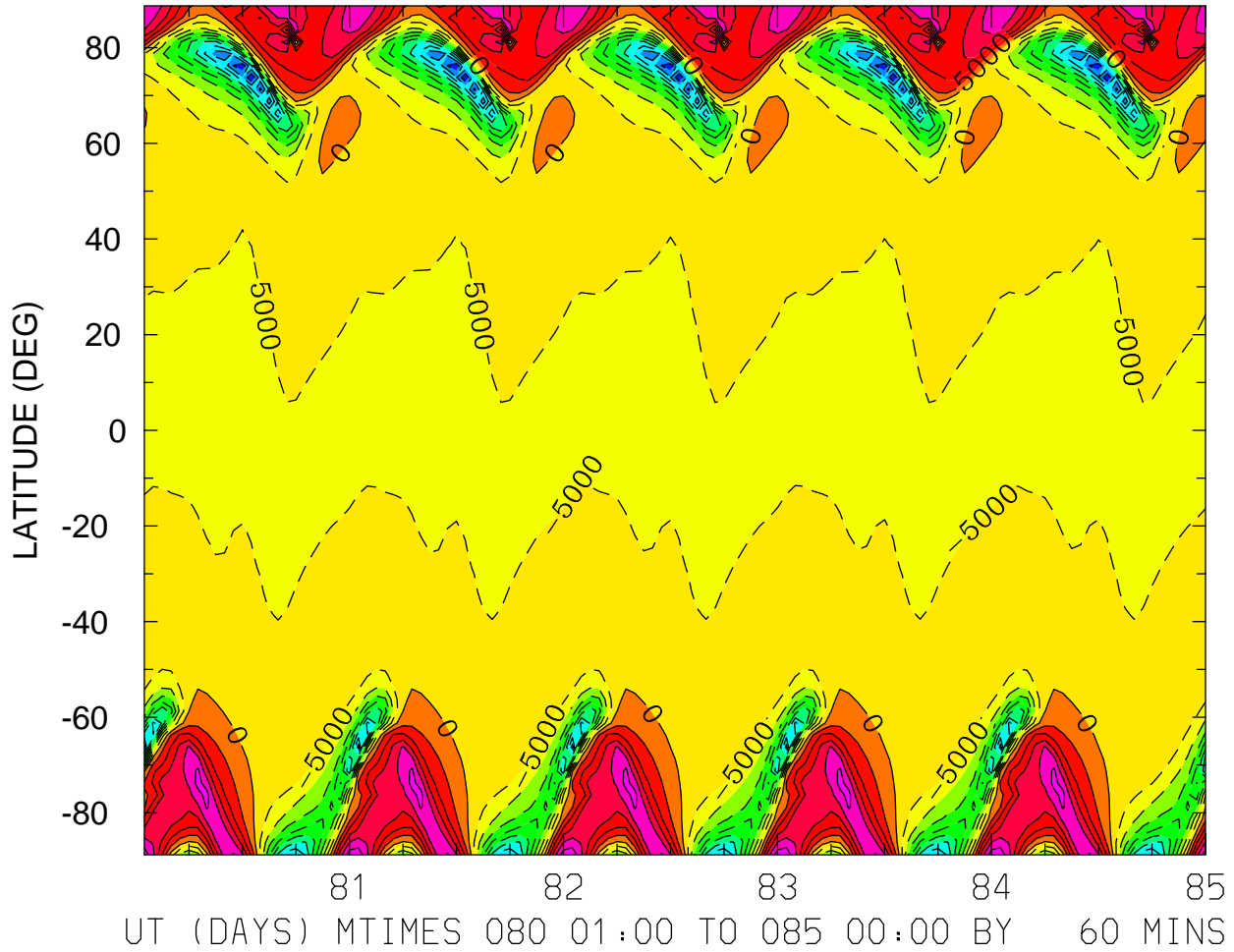
MIN,MAX= -3.9827E+04 2.7494E+04 INTERVAL= 5.0000E+03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

UI\_ExB: UI: Zonal ExB Velocity (cm/s)  
ZP = 4.000 LOCAL TIME = 0.00



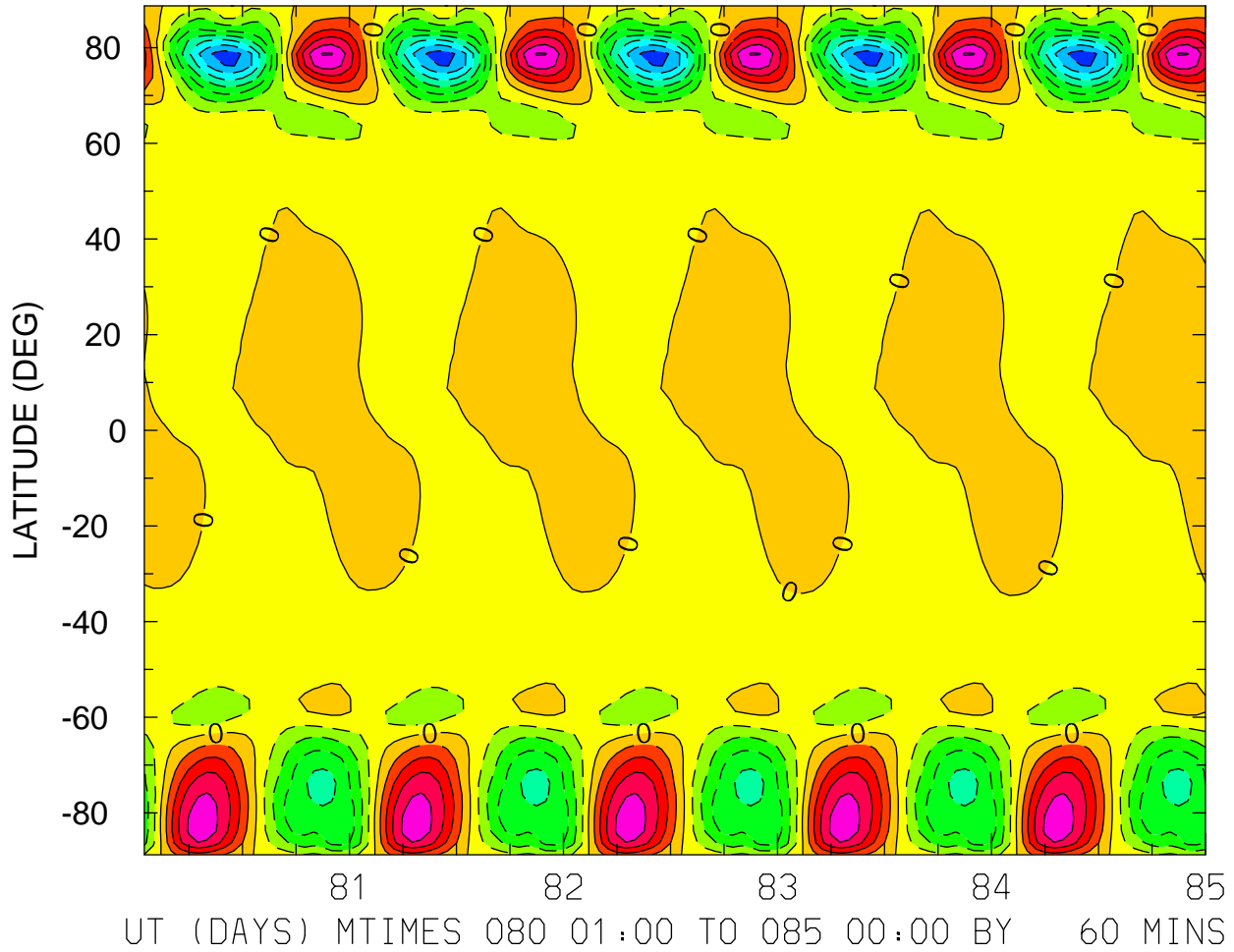
MIN,MAX= -3.2792E+04 3.7363E+04 INTERVAL= 5.0000E+03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

UI\_ExB: UI: Zonal ExB Velocity (cm/s)  
ZP = 4.000 LOCAL TIME = 12.00



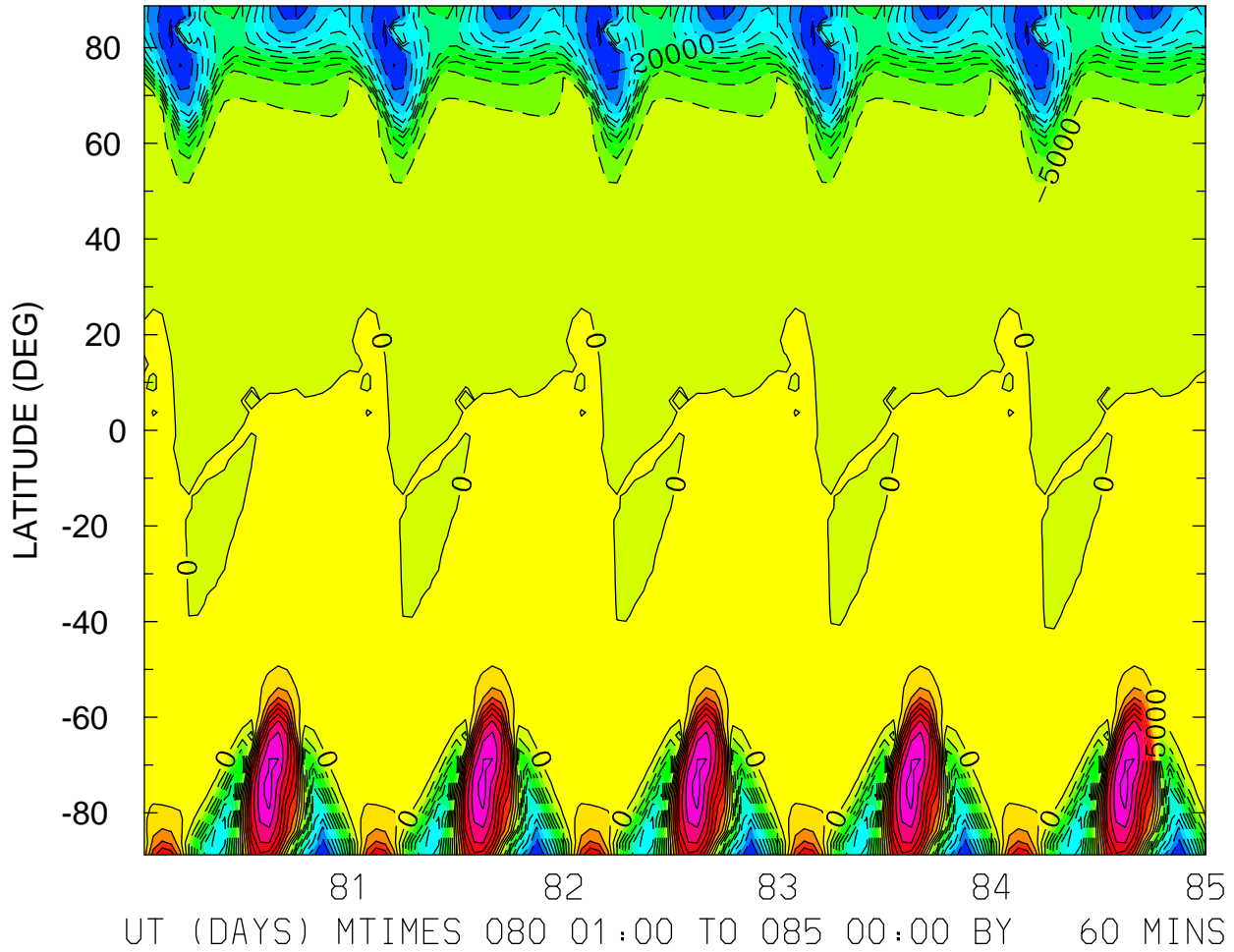
MIN,MAX= -4.9788E+04 2.8401E+04 INTERVAL= 5.0000E+03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

UI\_ExB: UI: Zonal ExB Velocity (cm/s)  
ZP = 4.000 ZONAL MEANS



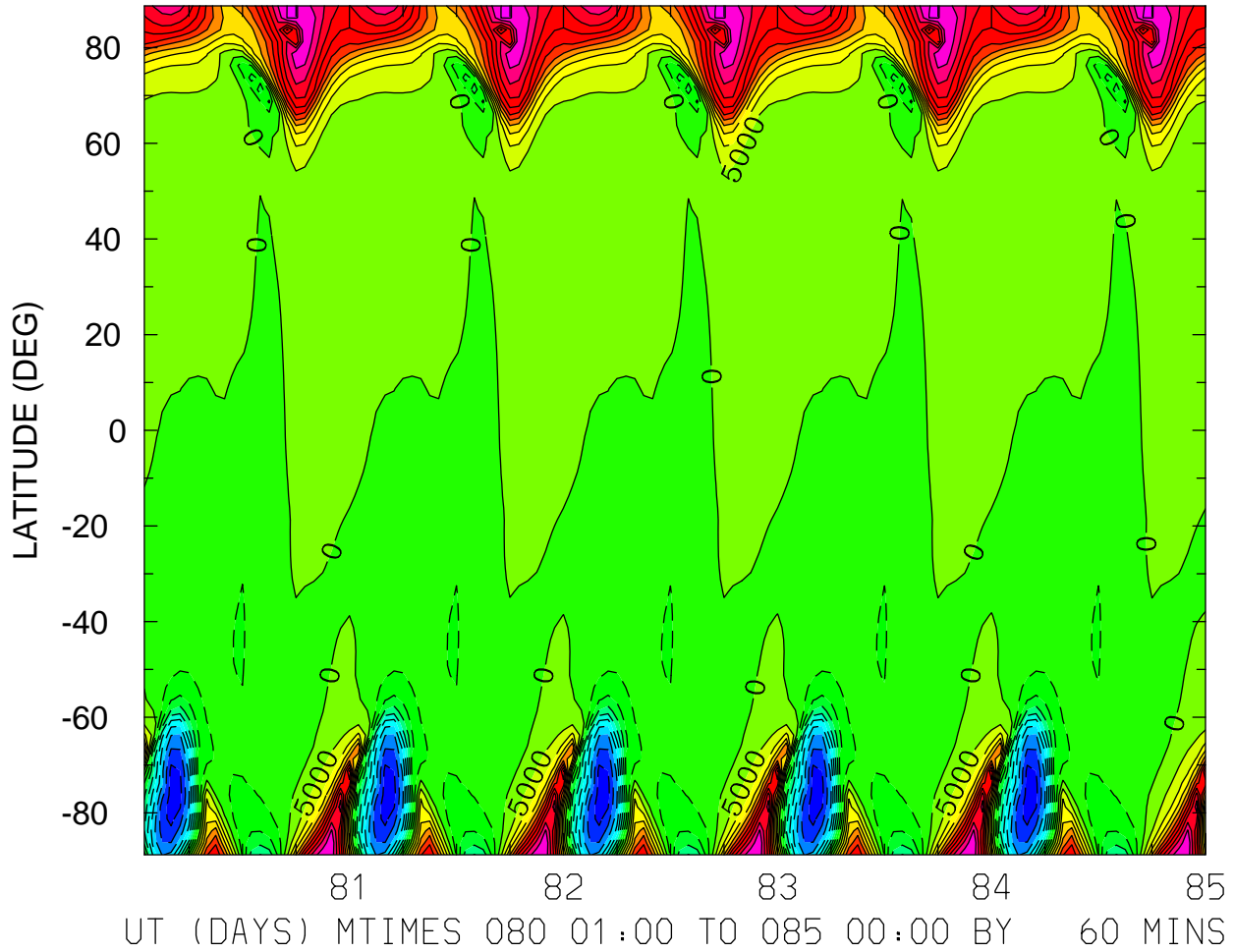
MIN,MAX= -3.7443E+04 2.5426E+04 INTERVAL= 5.0000E+03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

VI\_ExB: VI: Meridional ExB Velocity (cm/s)  
ZP = -4.000 LOCAL TIME = 0.00



MIN,MAX= -5.6160E+04 4.7330E+04 INTERVAL= 5.0000E+03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

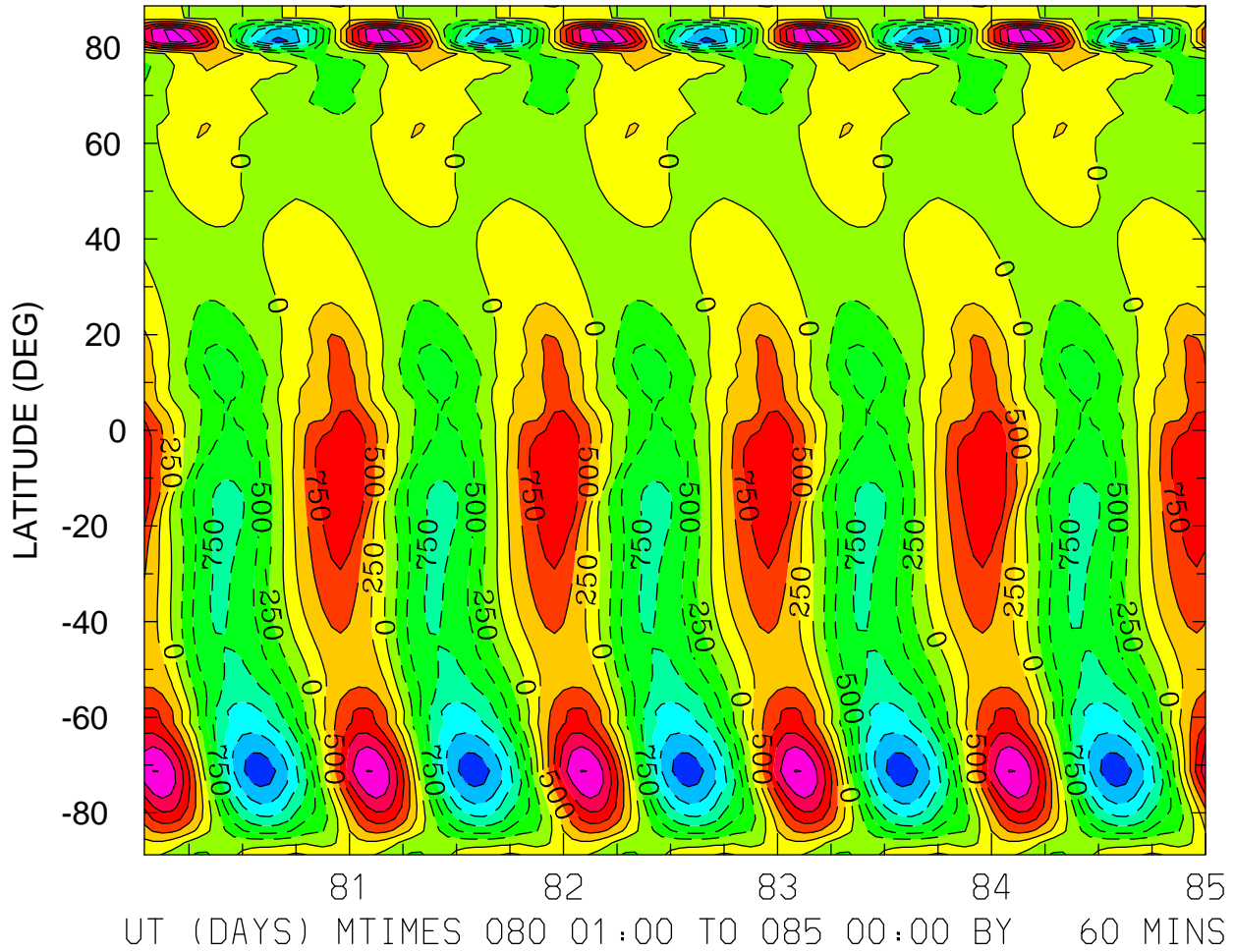
VI\_ExB: VI: Meridional ExB Velocity (cm/s)  
ZP = -4.000 LOCAL TIME = 12.00



MIN,MAX= -4.7209E+04 5.5527E+04 INTERVAL= 5.0000E+03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

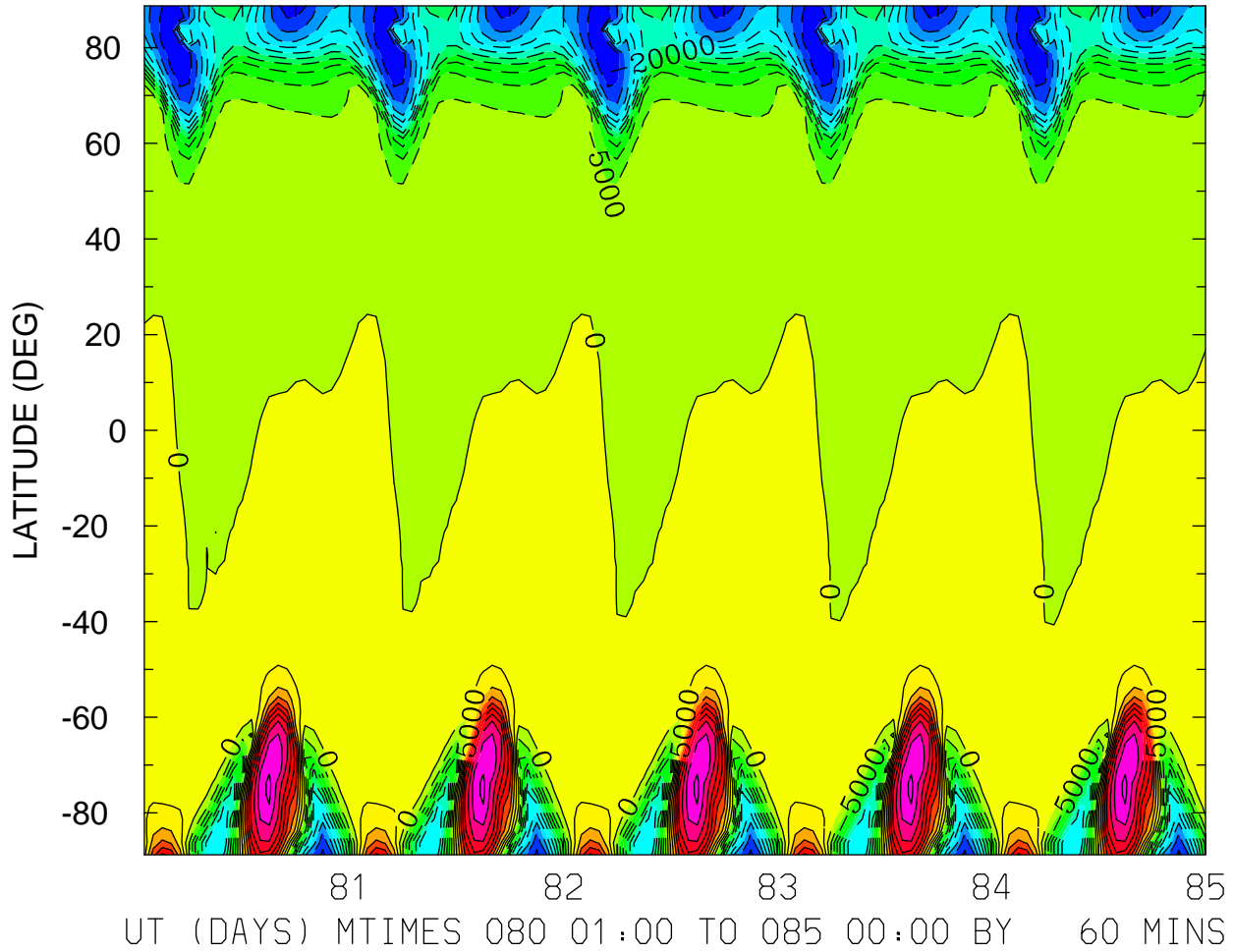


VI\_ExB: VI: Meridional ExB Velocity (cm/s)  
ZP = -4.000 ZONAL MEANS



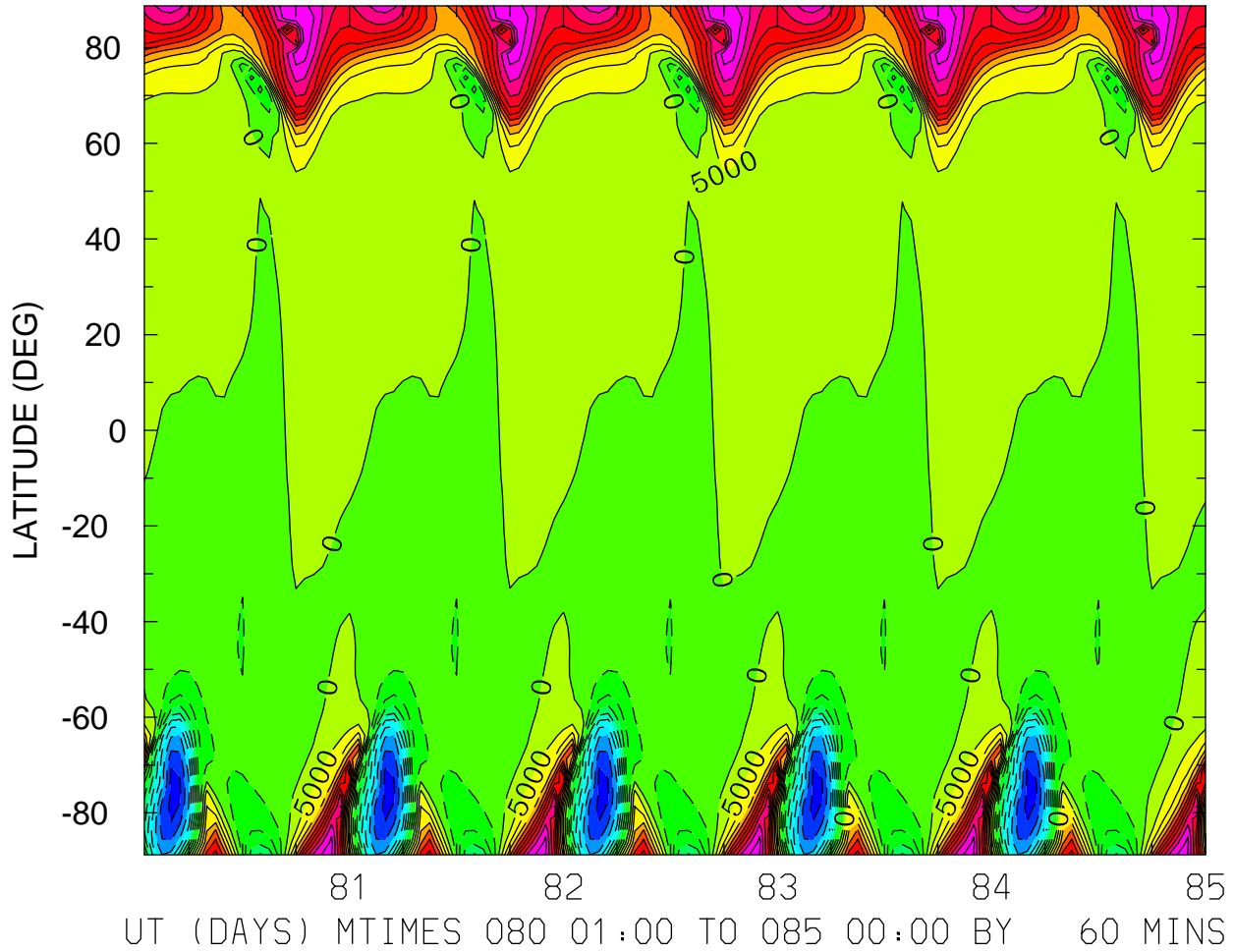
MIN,MAX= -1.6526E+03 1.5628E+03 INTERVAL= 2.5000E+02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

VI\_ExB: VI: Meridional ExB Velocity (cm/s)  
ZP = 0.000 LOCAL TIME = 0.00



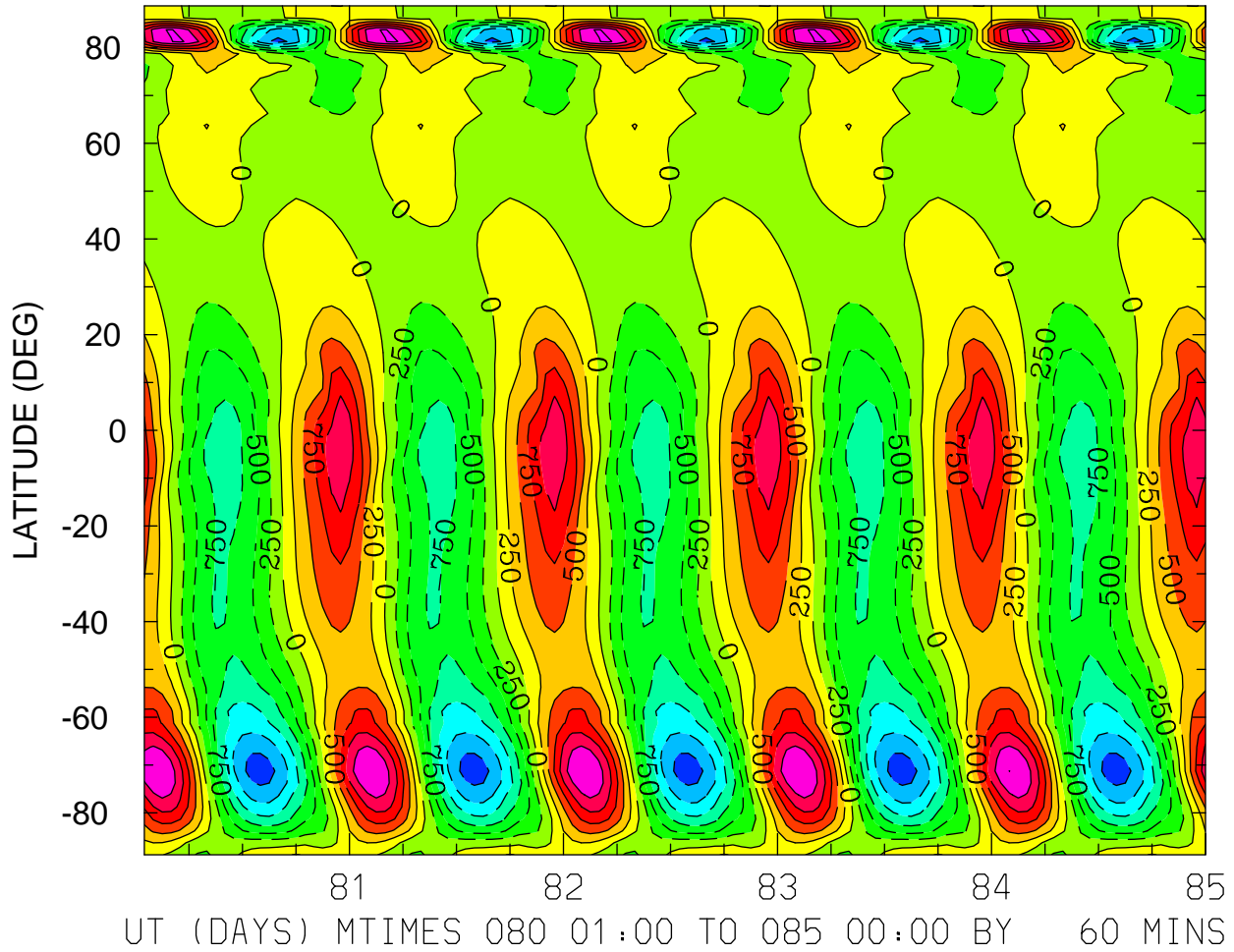
MIN,MAX= -5.5092E+04 4.6411E+04 INTERVAL= 5.0000E+03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

VI\_ExB: VI: Meridional ExB Velocity (cm/s)  
ZP = 0.000 LOCAL TIME = 12.00



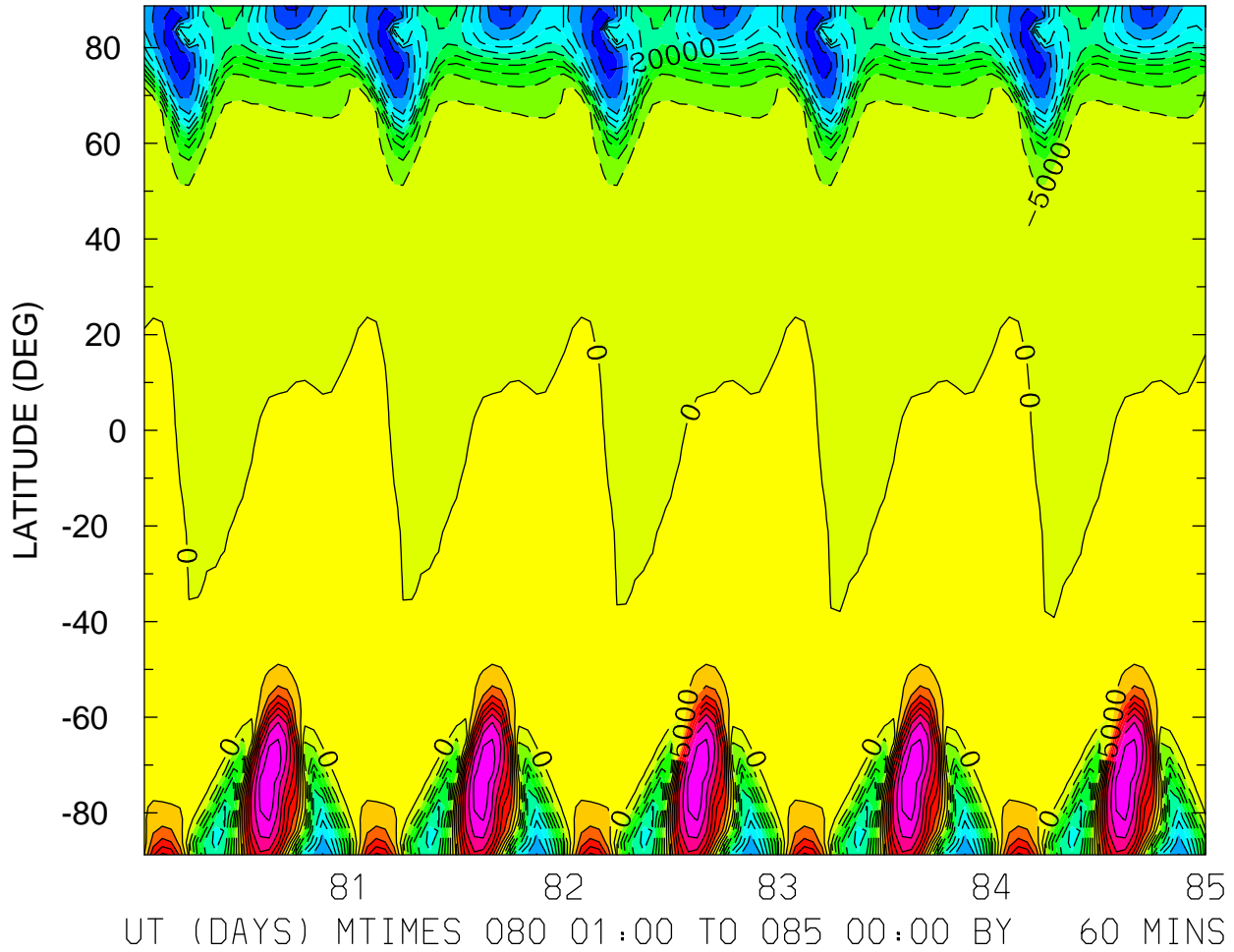
MIN,MAX= -4.6251E+04 5.4485E+04 INTERVAL= 5.0000E+03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

VI\_ExB: VI: Meridional ExB Velocity (cm/s)  
ZP = 0.000 ZONAL MEANS



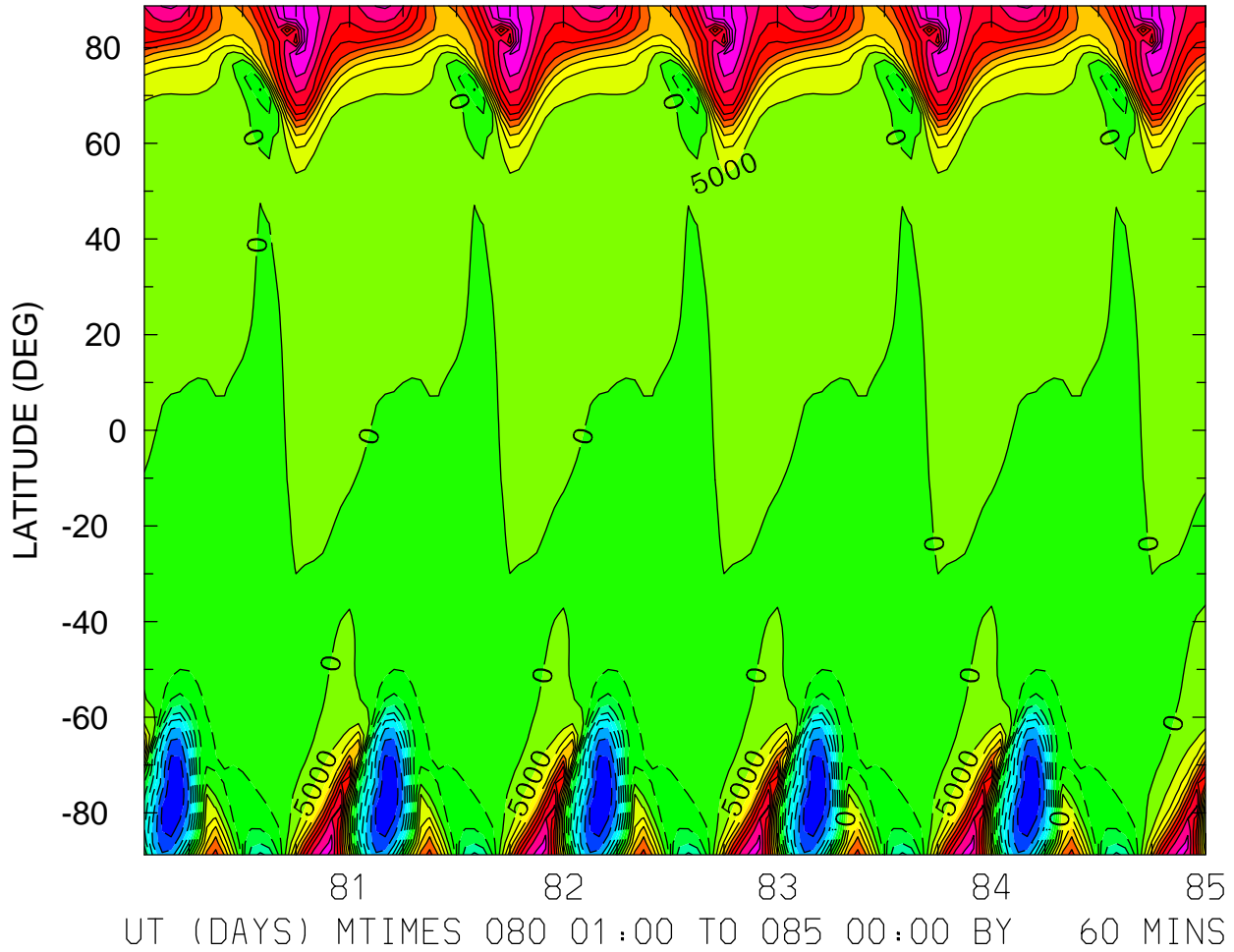
MIN,MAX= -1.6361E+03 1.5360E+03 INTERVAL= 2.5000E+02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

VI\_ExB: VI: Meridional ExB Velocity (cm/s)  
ZP = 4.000 LOCAL TIME = 0.00



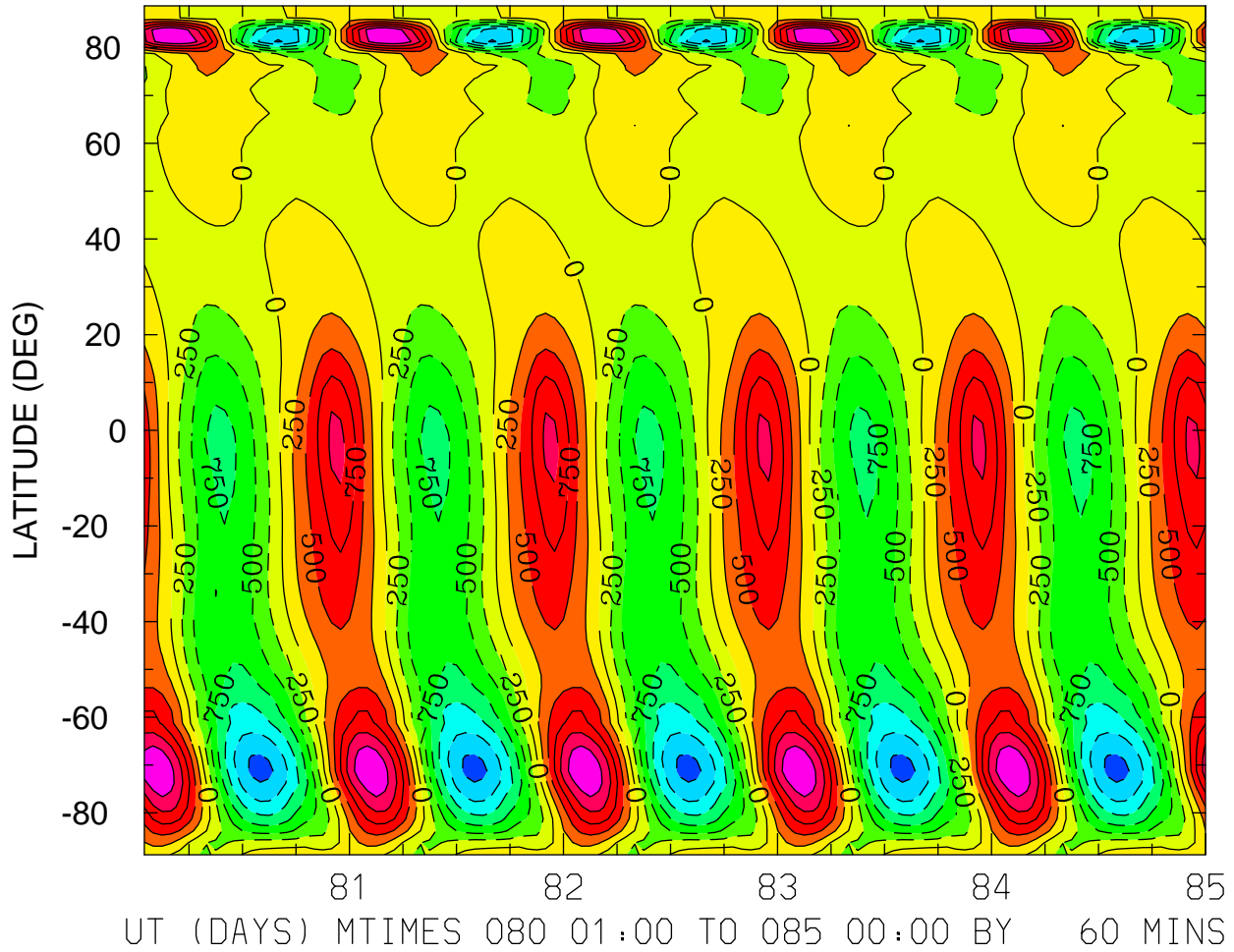
MIN,MAX= -5.3031E+04 4.4686E+04 INTERVAL= 5.0000E+03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

VI\_ExB: VI: Meridional ExB Velocity (cm/s)  
ZP = 4.000 LOCAL TIME = 12.00



MIN,MAX= -4.4372E+04 5.2446E+04 INTERVAL= 5.0000E+03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

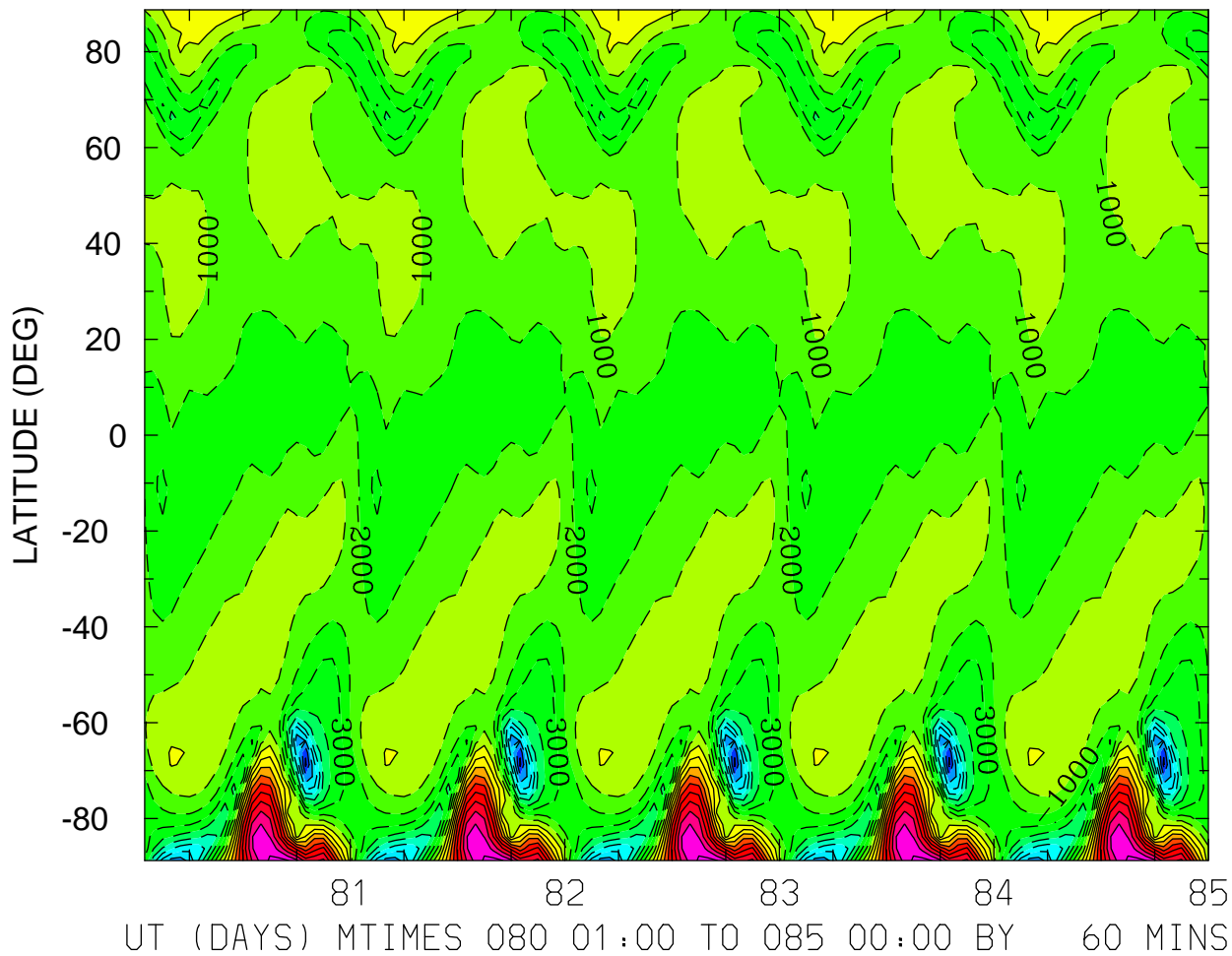
VI\_ExB: VI: Meridional ExB Velocity (cm/s)  
ZP = 4.000 ZONAL MEANS



MIN,MAX= -1.5981E+03 1.4970E+03 INTERVAL= 2.5000E+02  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

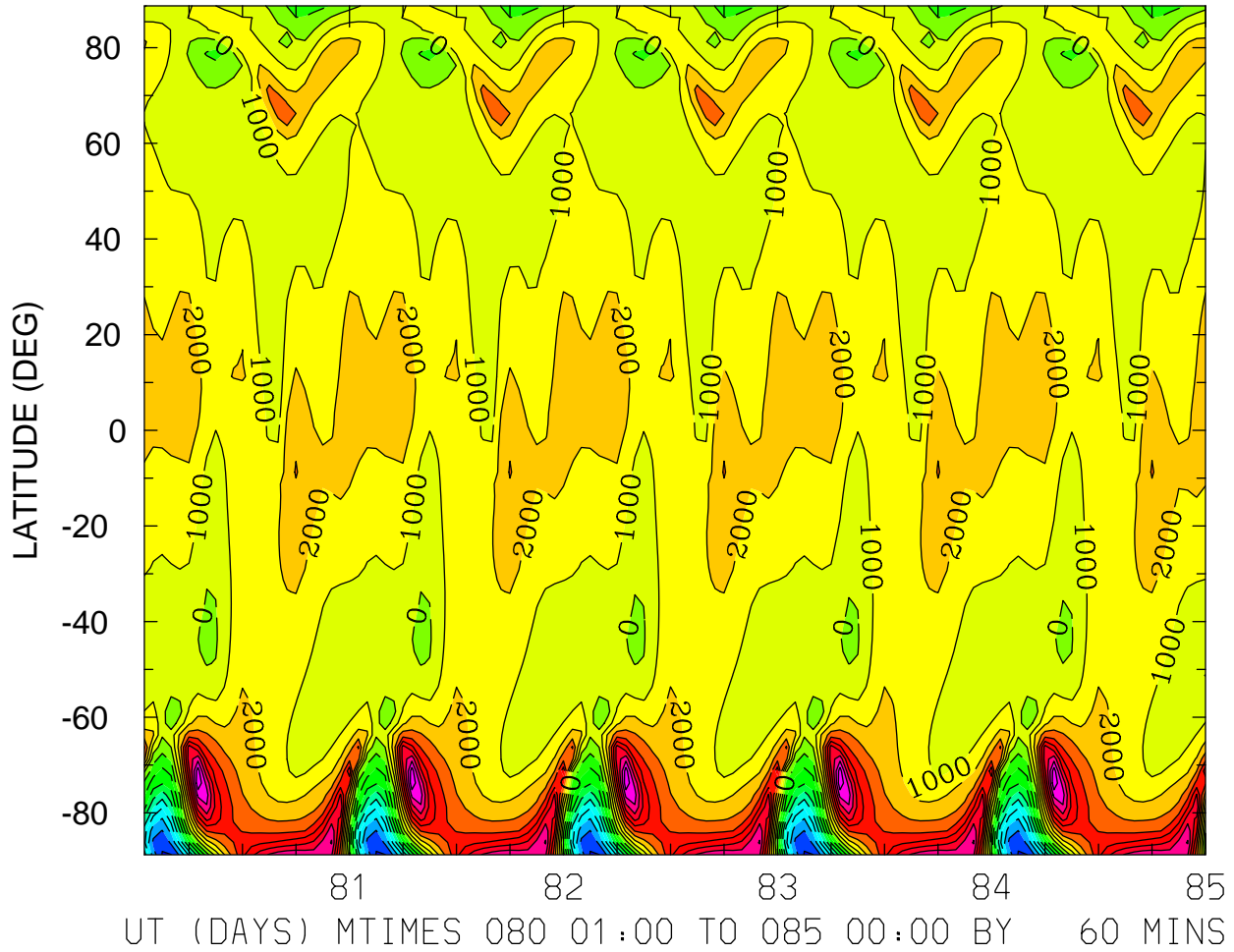


WI\_ExB: WI: Vertical ExB Velocity (cm/s)  
ZP = -4.000 LOCAL TIME = 0.00



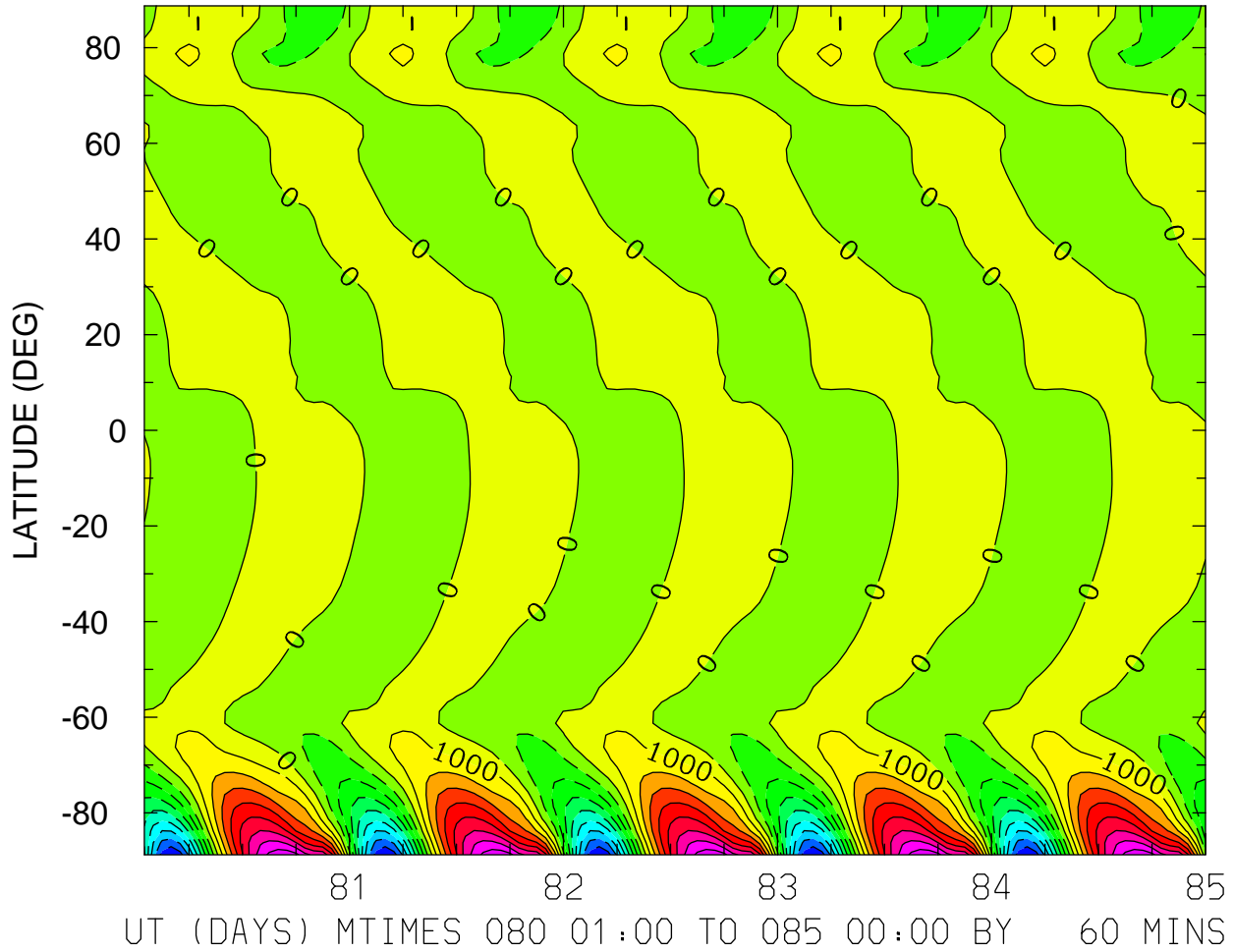
MIN,MAX= -1.0230E+04 9.3762E+03 INTERVAL= 1.0000E+03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

WI\_ExB: WI: Vertical ExB Velocity (cm/s)  
ZP = -4.000 LOCAL TIME = 12.00



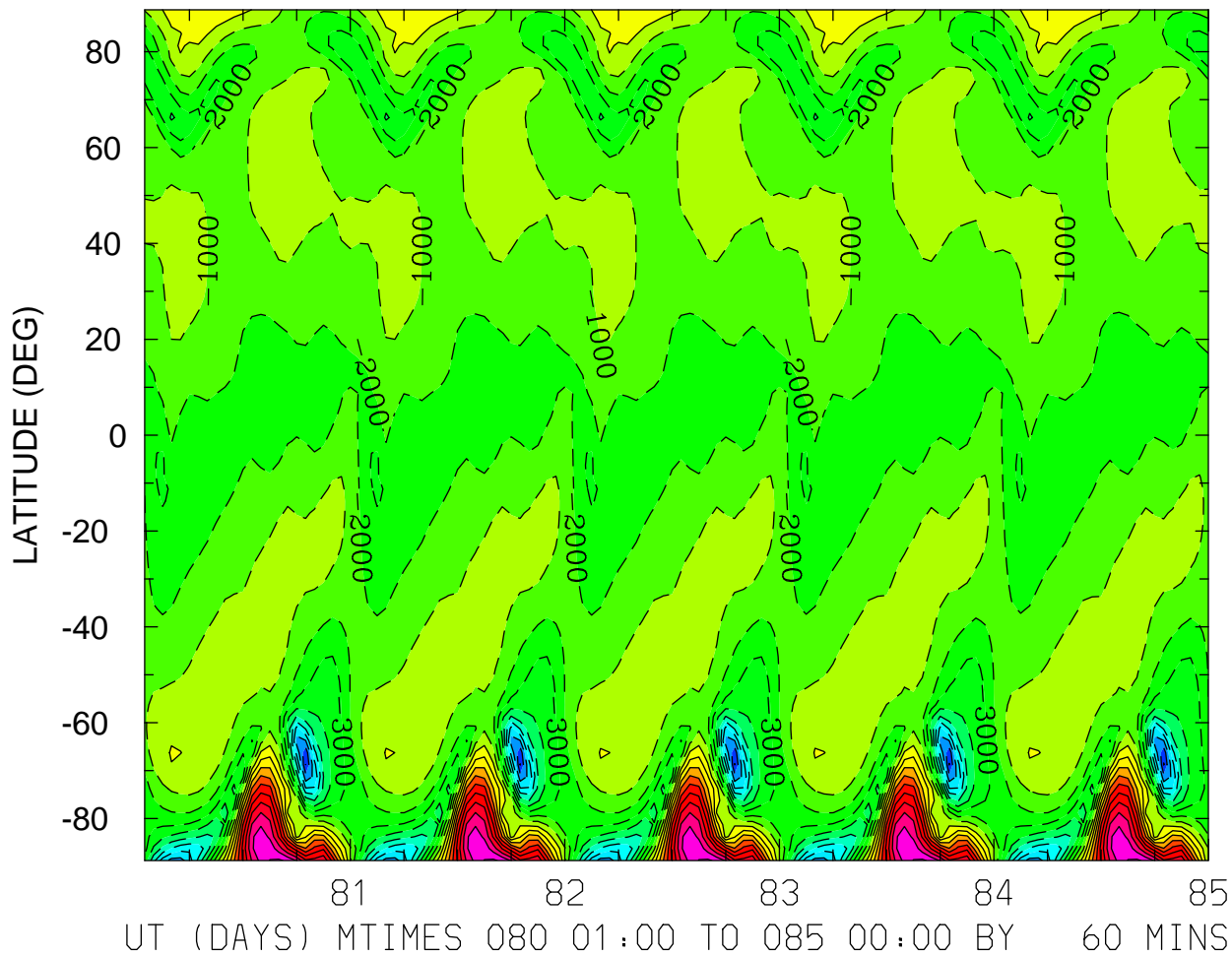
MIN,MAX= -9.0683E+03 9.8846E+03 INTERVAL= 1.0000E+03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

WI\_ExB: WI: Vertical ExB Velocity (cm/s)  
ZP = -4.000 ZONAL MEANS



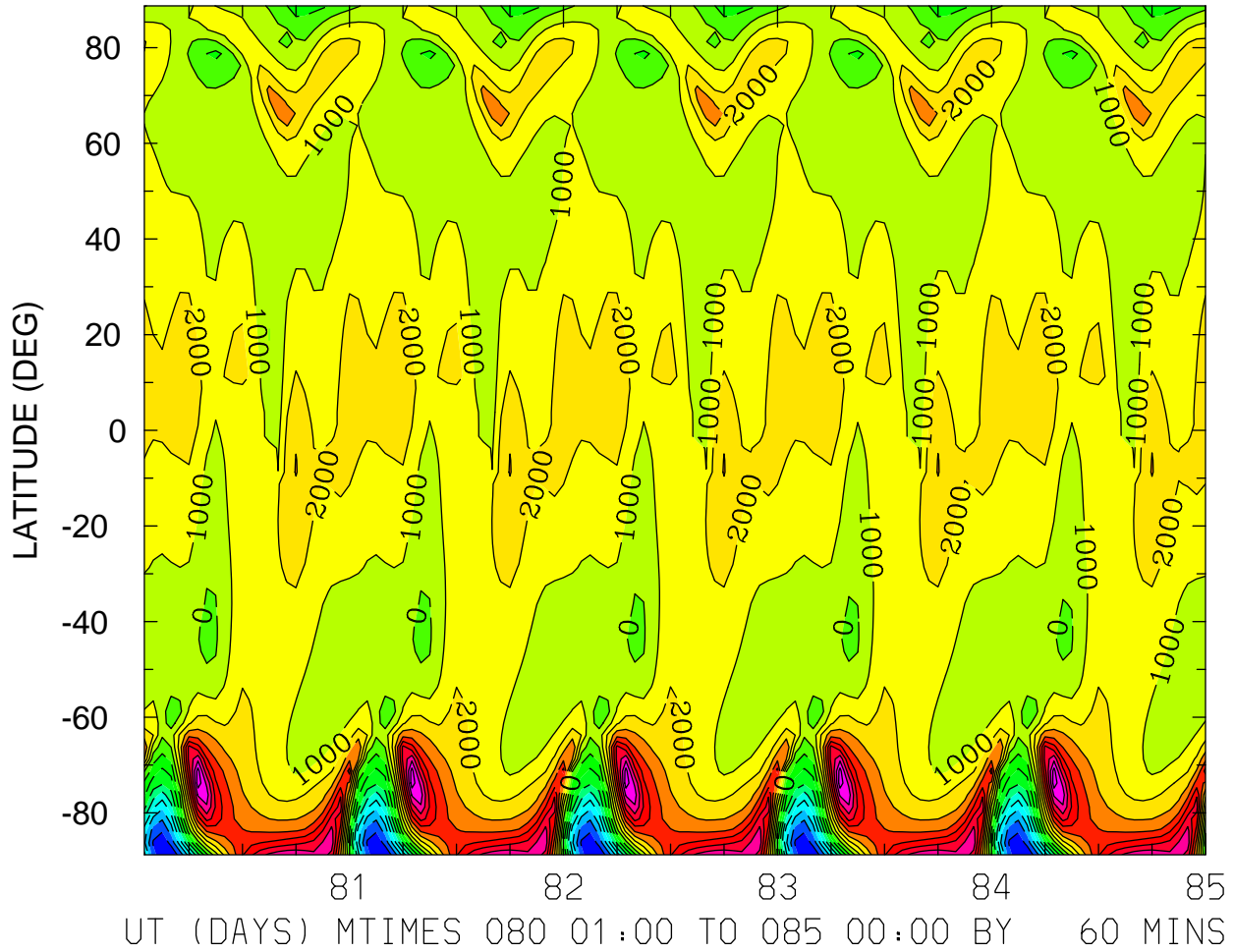
MIN,MAX= -8.9882E+03 8.6823E+03 INTERVAL= 1.0000E+03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

WI\_ExB: WI: Vertical ExB Velocity (cm/s)  
ZP = 0.000 LOCAL TIME = 0.00



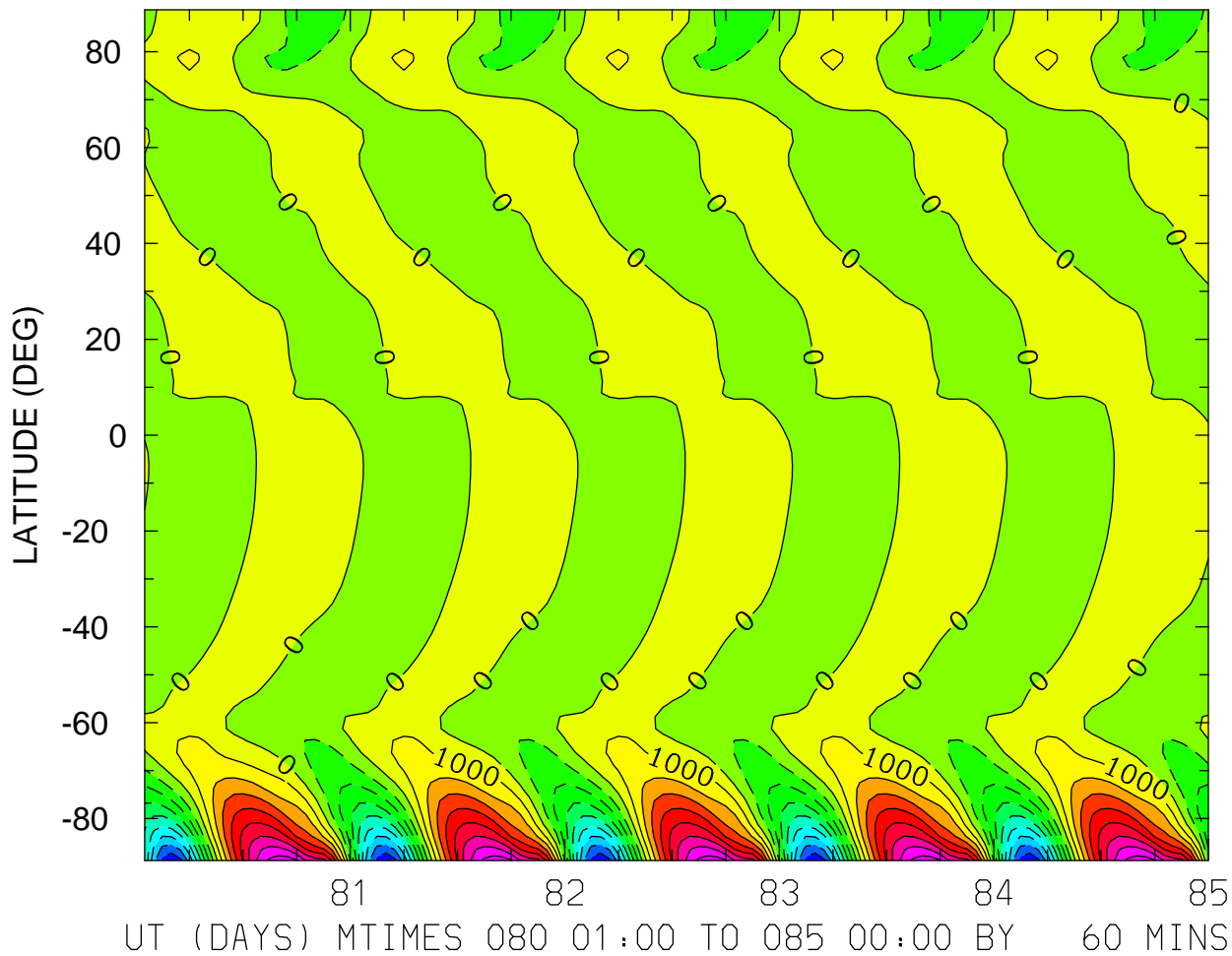
MIN,MAX= -1.0038E+04 9.1727E+03 INTERVAL= 1.0000E+03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

WI\_ExB: WI: Vertical ExB Velocity (cm/s)  
ZP = 0.000 LOCAL TIME = 12.00



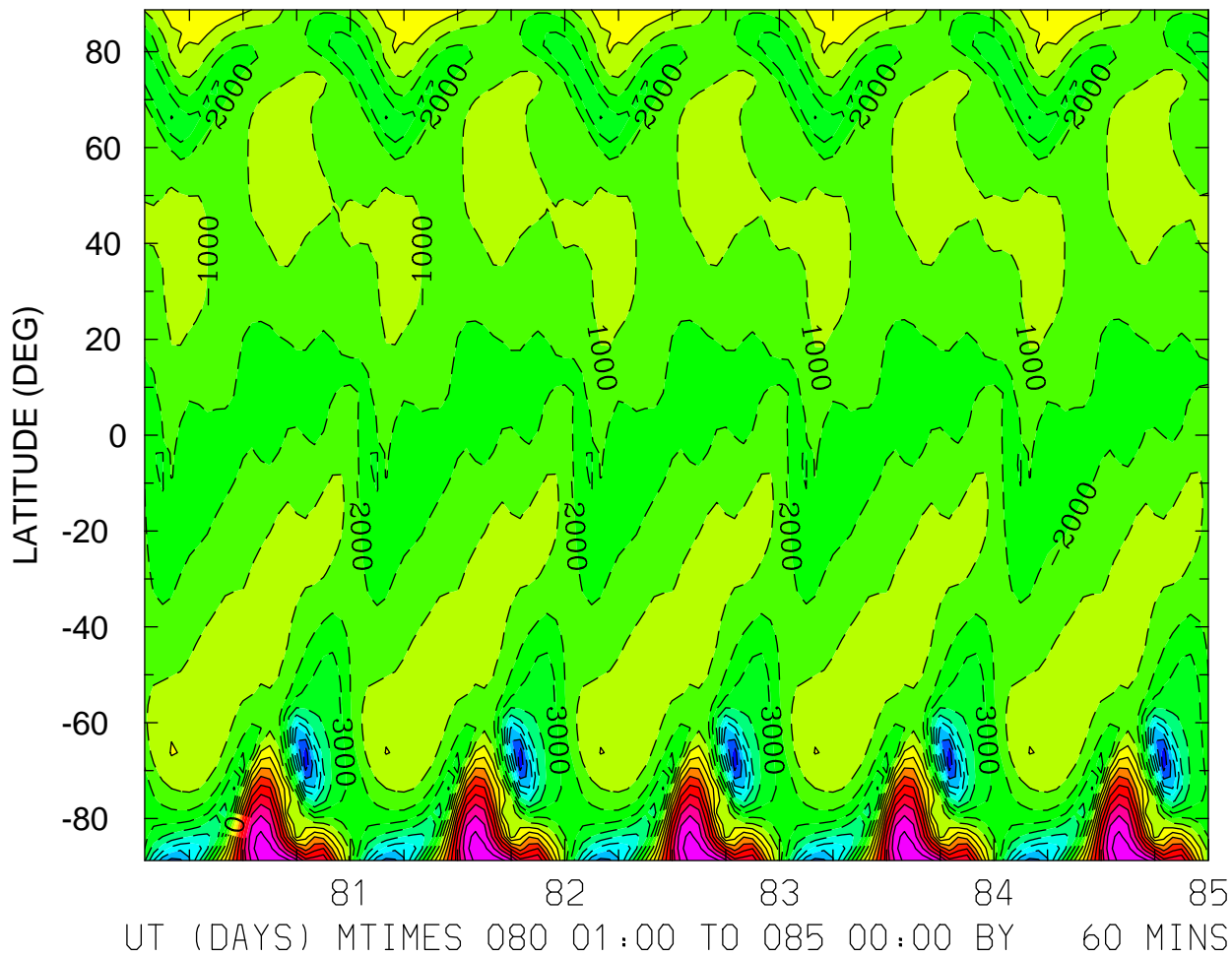
MIN,MAX= -8.9608E+03 9.6437E+03 INTERVAL= 1.0000E+03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

WI\_ExB: WI: Vertical ExB Velocity (cm/s)  
ZP = 0.000 ZONAL MEANS



MIN,MAX= -8.8549E+03 8.5582E+03 INTERVAL= 1.0000E+03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

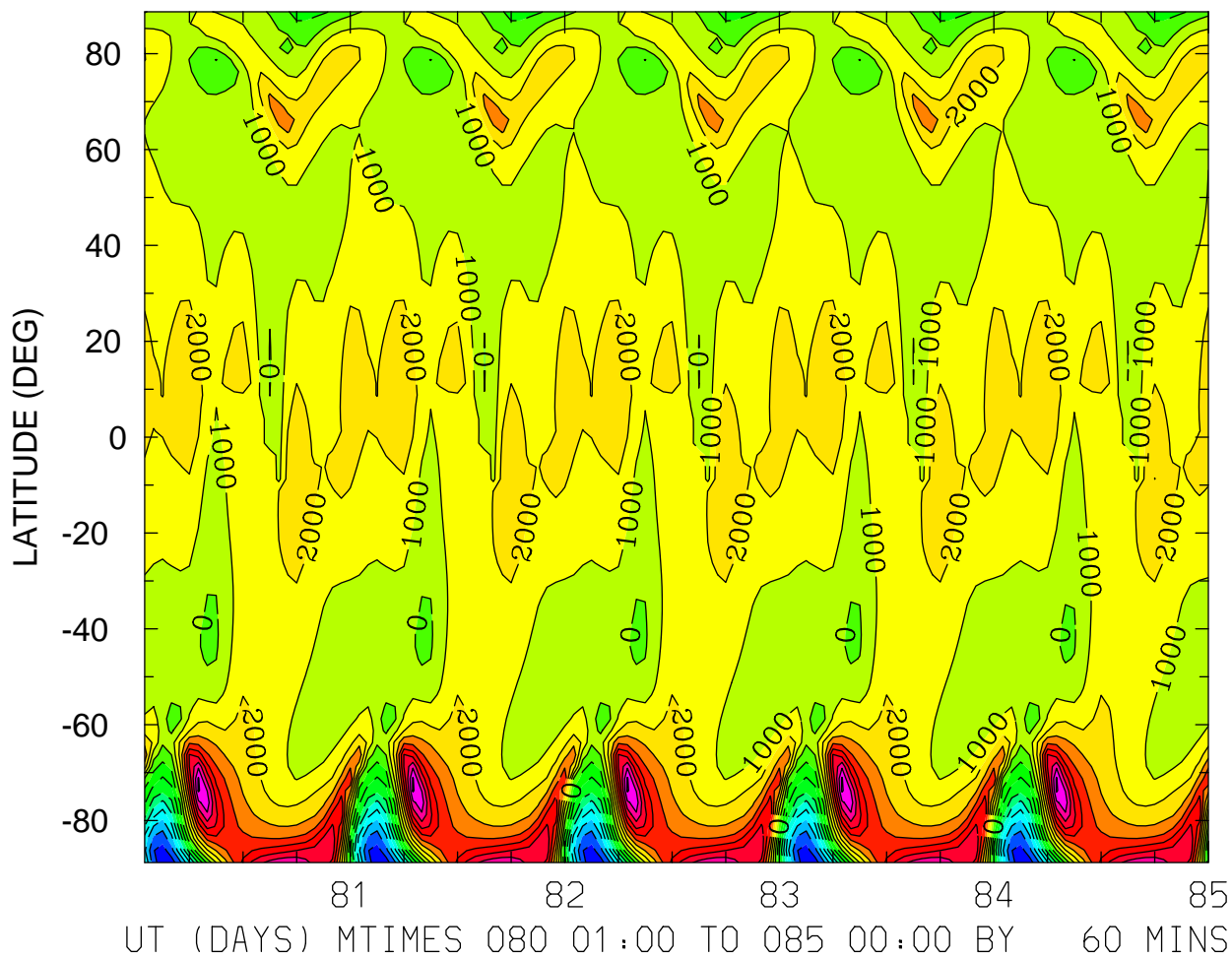
WI\_ExB: WI: Vertical ExB Velocity (cm/s)  
ZP = 4.000 LOCAL TIME = 0.00



MIN,MAX= -9.6798E+03 8.7953E+03 INTERVAL= 1.0000E+03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

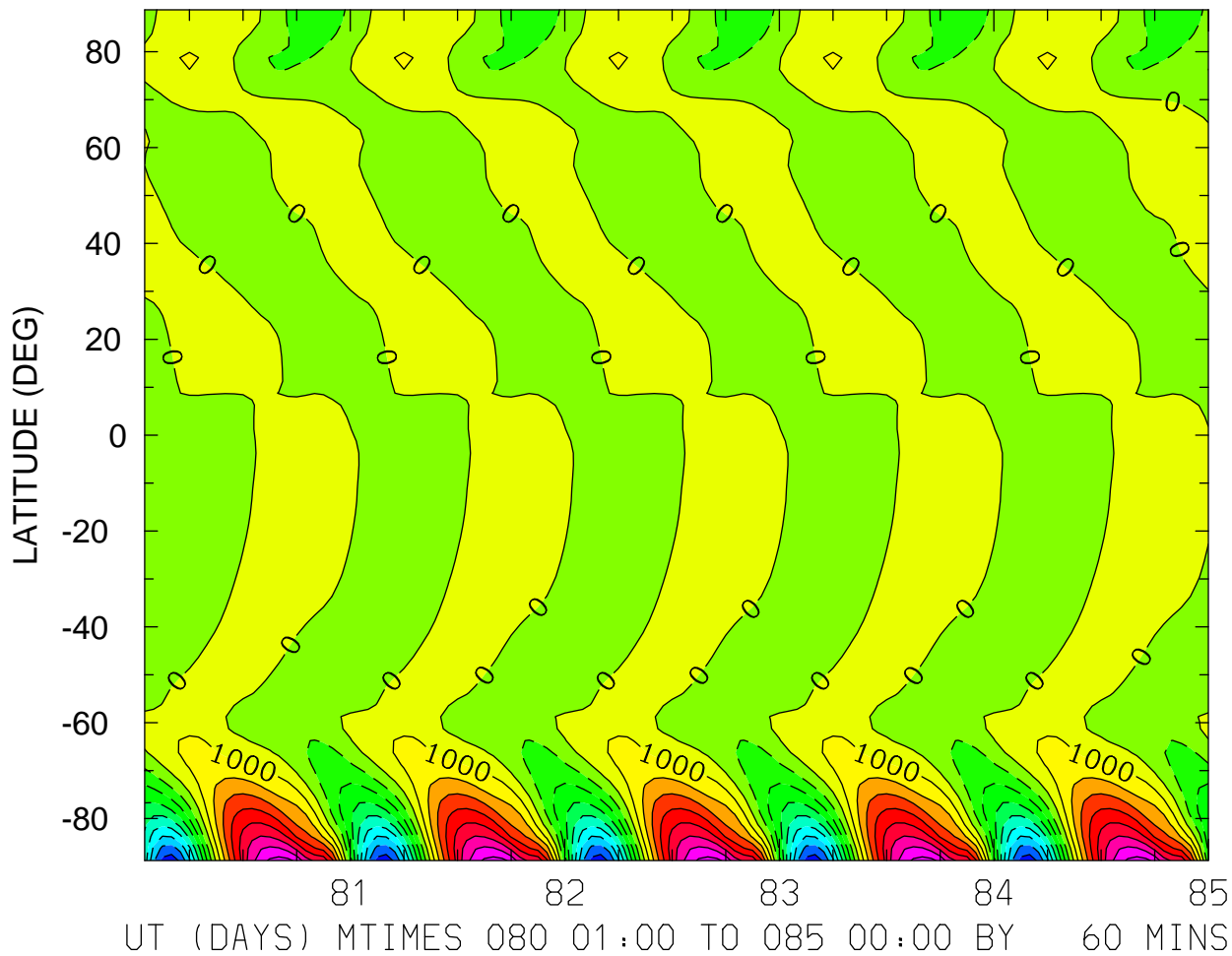


WI\_ExB: WI: Vertical ExB Velocity (cm/s)  
ZP = 4.000 LOCAL TIME = 12.00



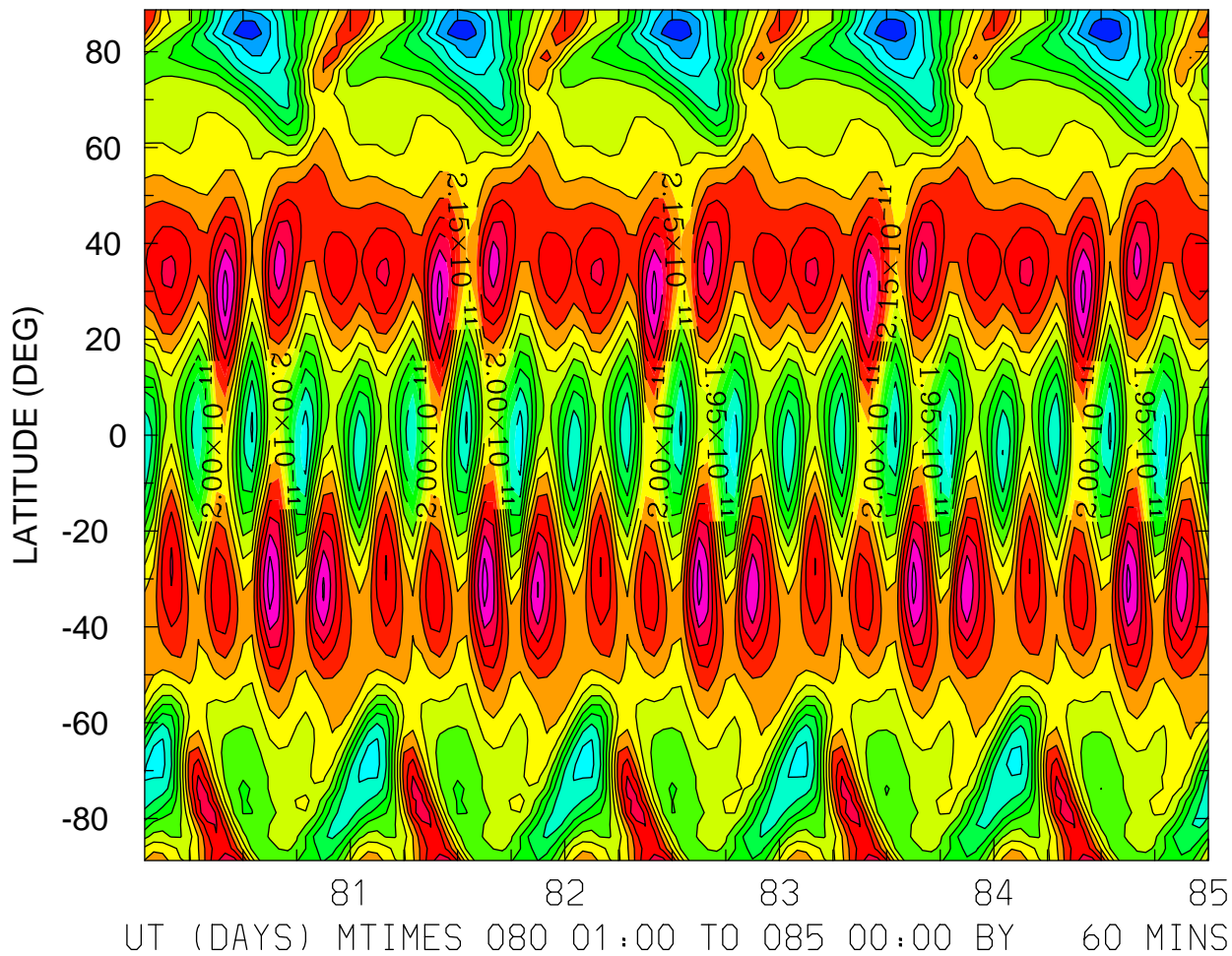
MIN,MAX= -8.7506E+03 9.1669E+03 INTERVAL= 1.0000E+03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

WI\_ExB: WI: Vertical ExB Velocity (cm/s)  
ZP = 4.000 ZONAL MEANS



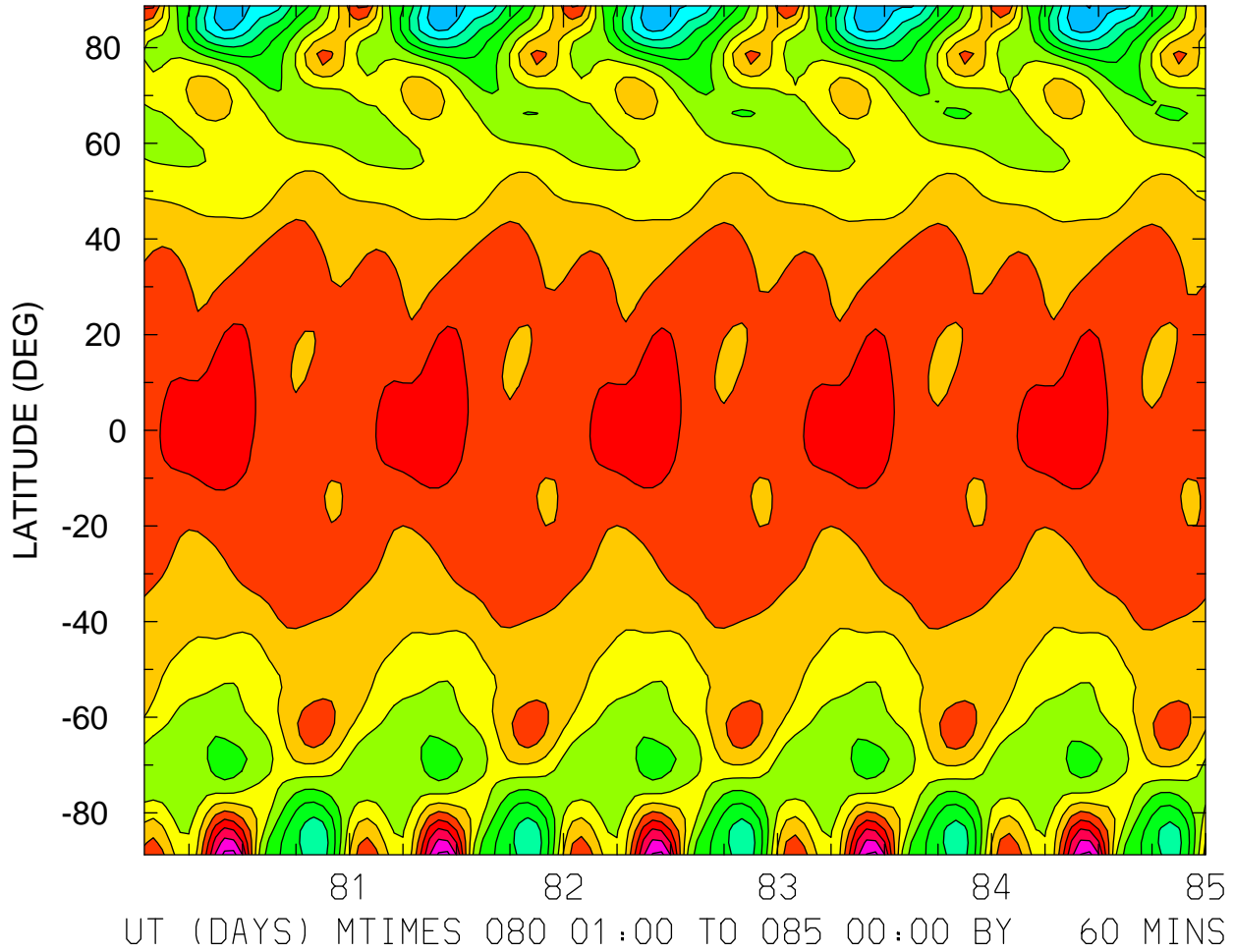


DEN: Total Density (g/cm<sup>3</sup>)  
ZP = -4.000 LOCAL TIME = 12.00



MIN,MAX= 1.6638E-11 2.3769E-11 INTERVAL= 5.0000E-13  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

DEN: Total Density (g/cm<sup>3</sup>)  
ZP = -4.000 ZONAL MEANS

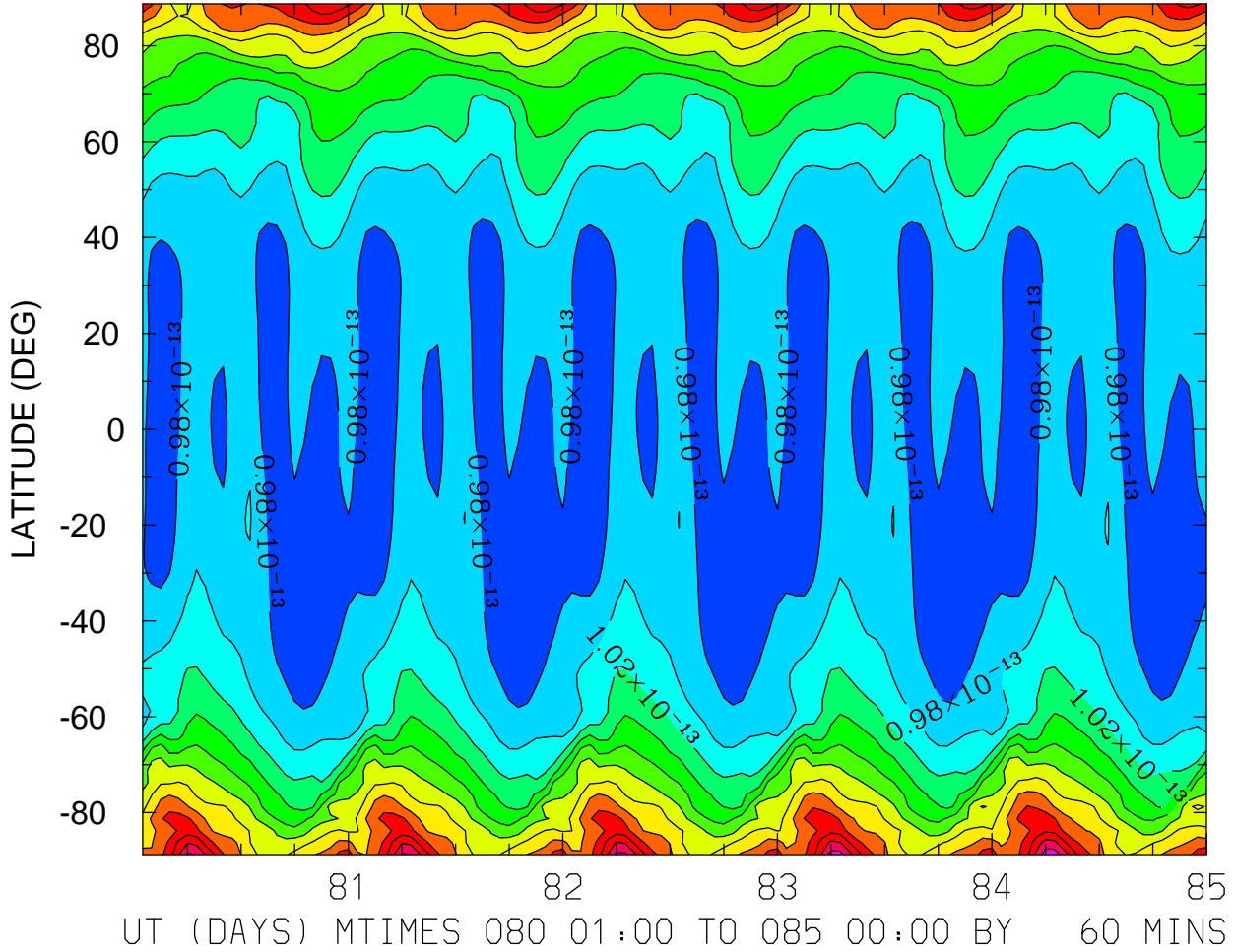


MIN,MAX= 1.7983E-11 2.2952E-11 INTERVAL= 4.0000E-13  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc





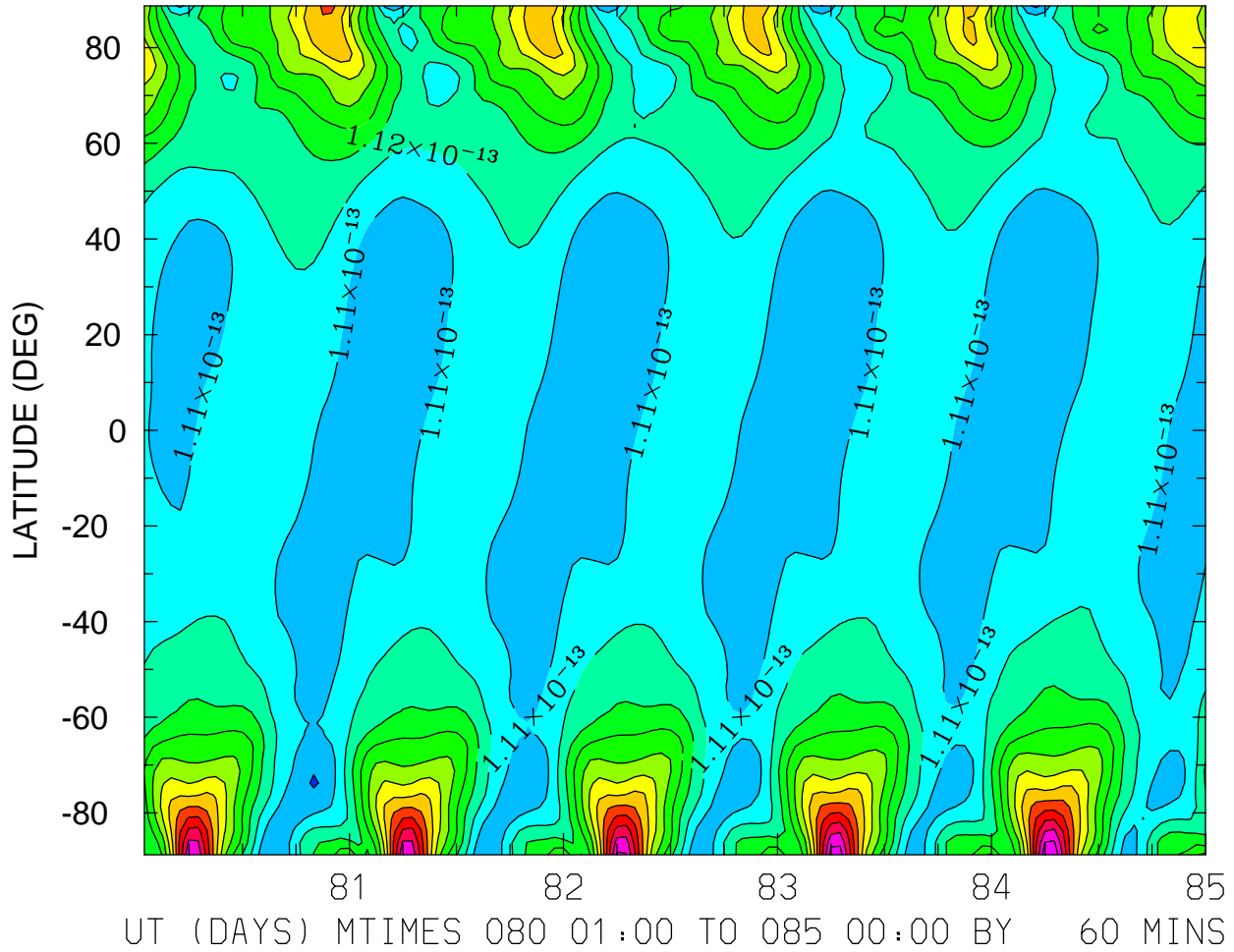
DEN: Total Density (g/cm3)  
ZP = 0.000 LOCAL TIME = 12.00



MIN,MAX= 9.6599E-14 1.2118E-13 INTERVAL= 2.0000E-15  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

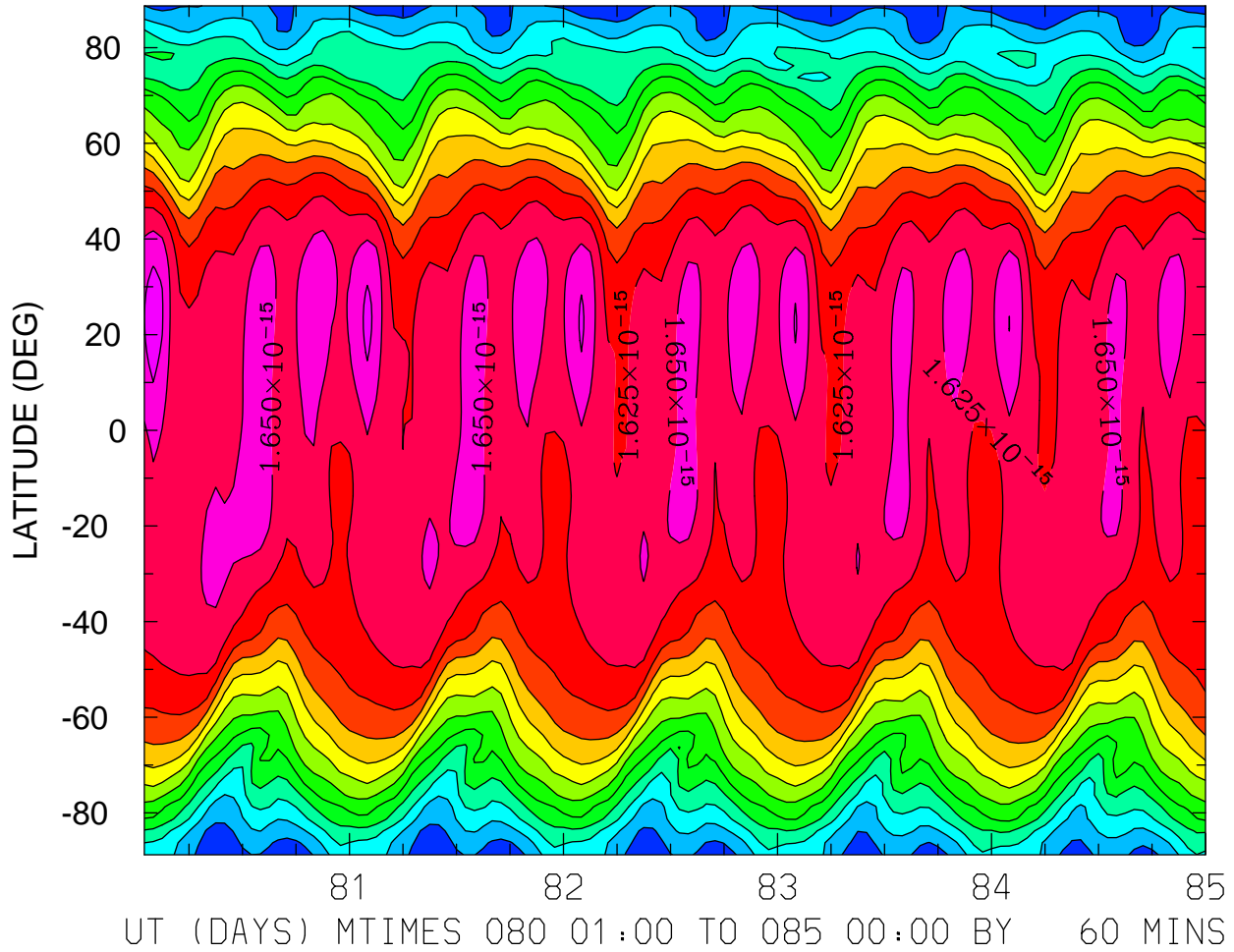


DEN: Total Density (g/cm<sup>3</sup>)  
ZP = 0.000 ZONAL MEANS



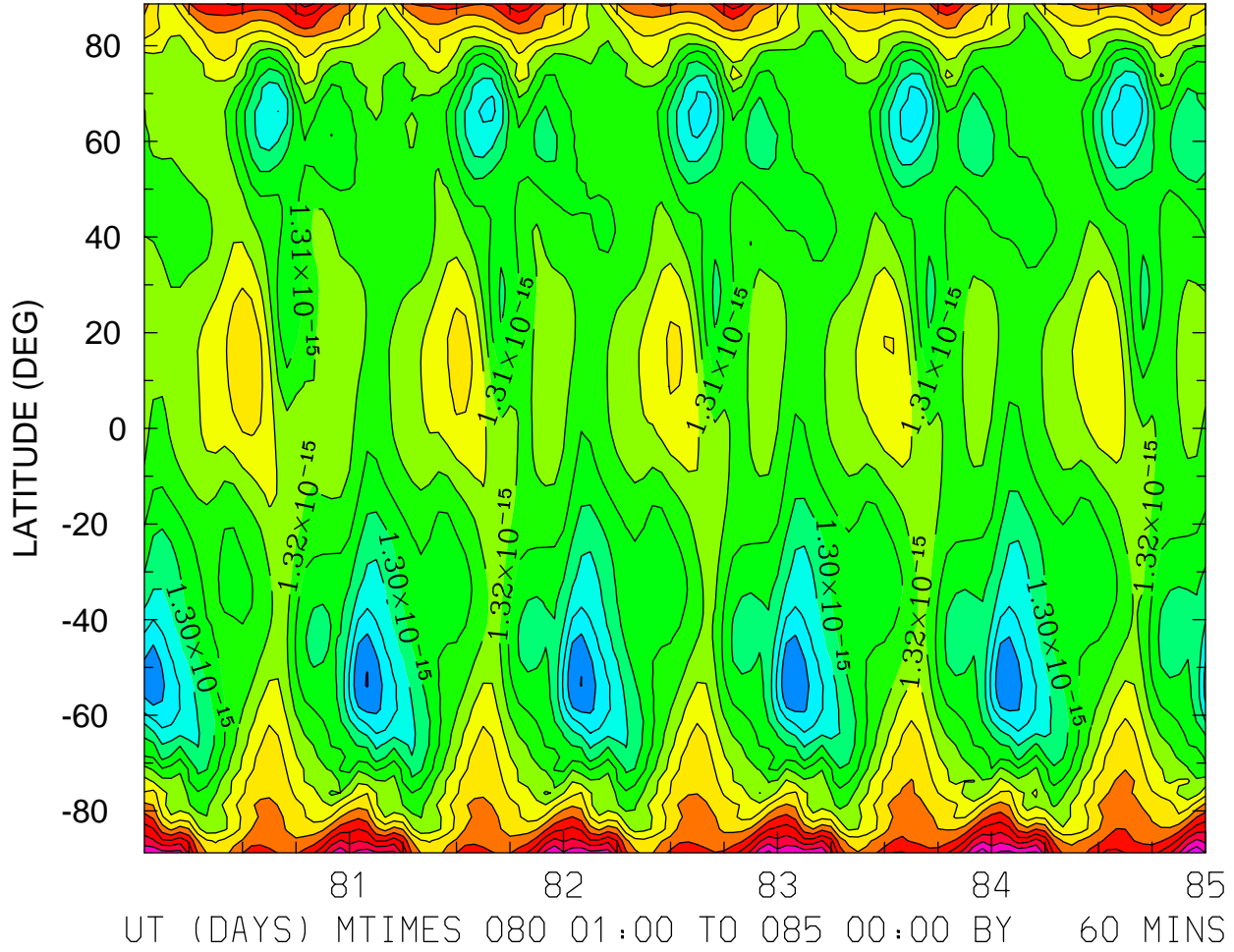
MIN,MAX= 1.0978E-13 1.2290E-13 INTERVAL= 1.0000E-15  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

DEN: Total Density (g/cm<sup>3</sup>)  
ZP = 4.000 LOCAL TIME = 0.00



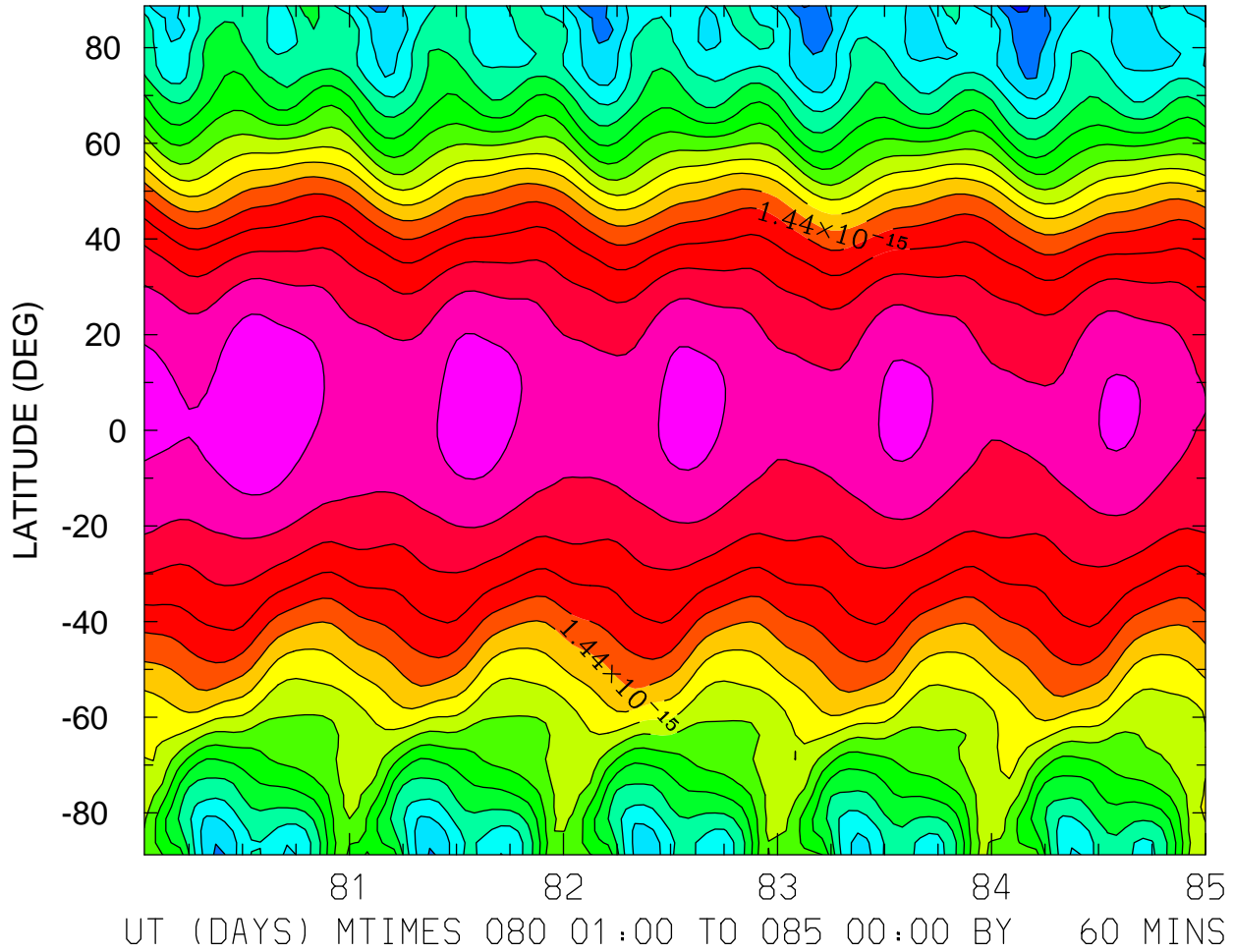
MIN,MAX= 1.3501E-15 1.6892E-15 INTERVAL= 2.5000E-17  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

DEN: Total Density (g/cm<sup>3</sup>)  
ZP = 4.000 LOCAL TIME = 12.00



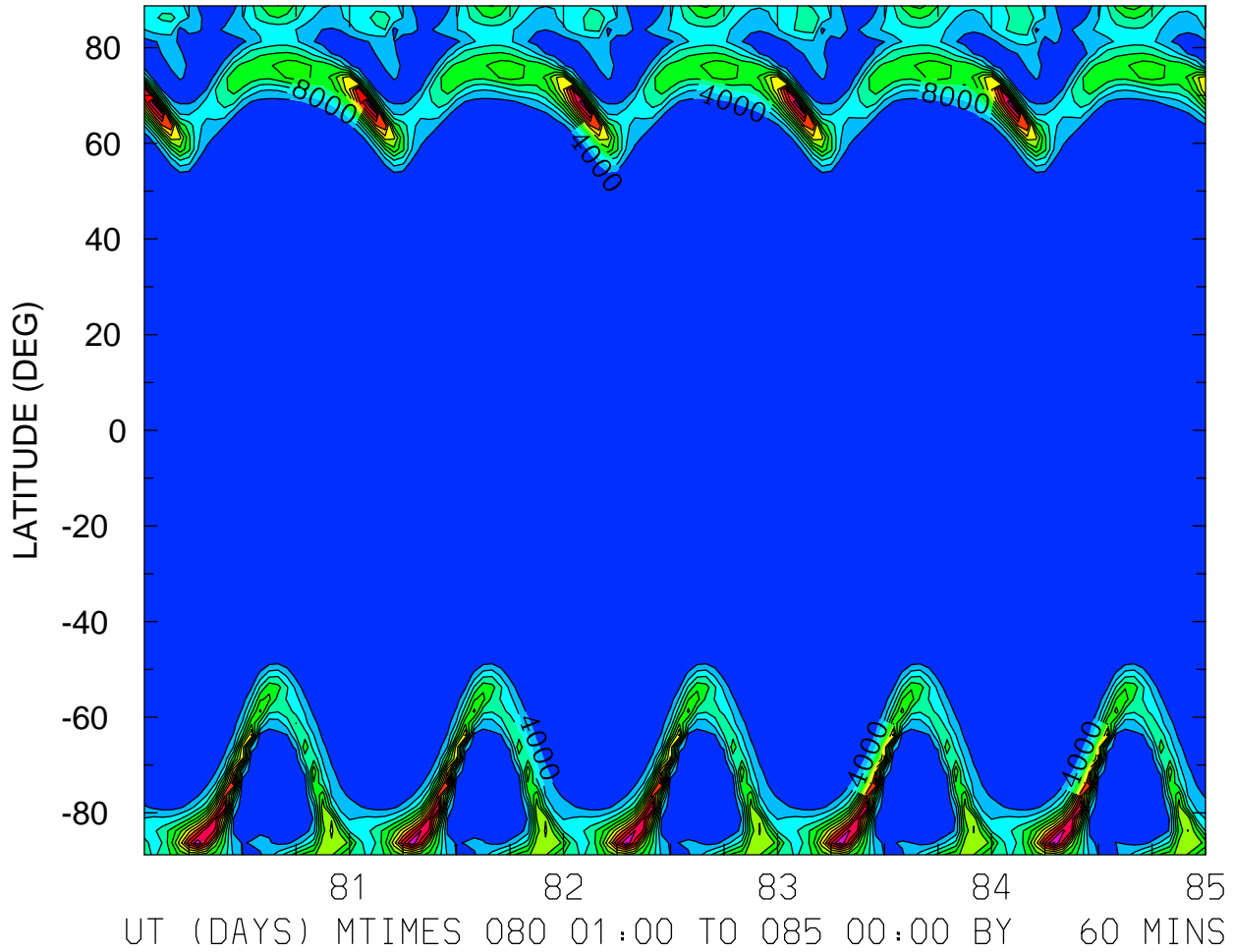
MIN,MAX= 1.2596E-15 1.4089E-15 INTERVAL= 1.0000E-17  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

DEN: Total Density (g/cm<sup>3</sup>)  
ZP = 4.000 ZONAL MEANS



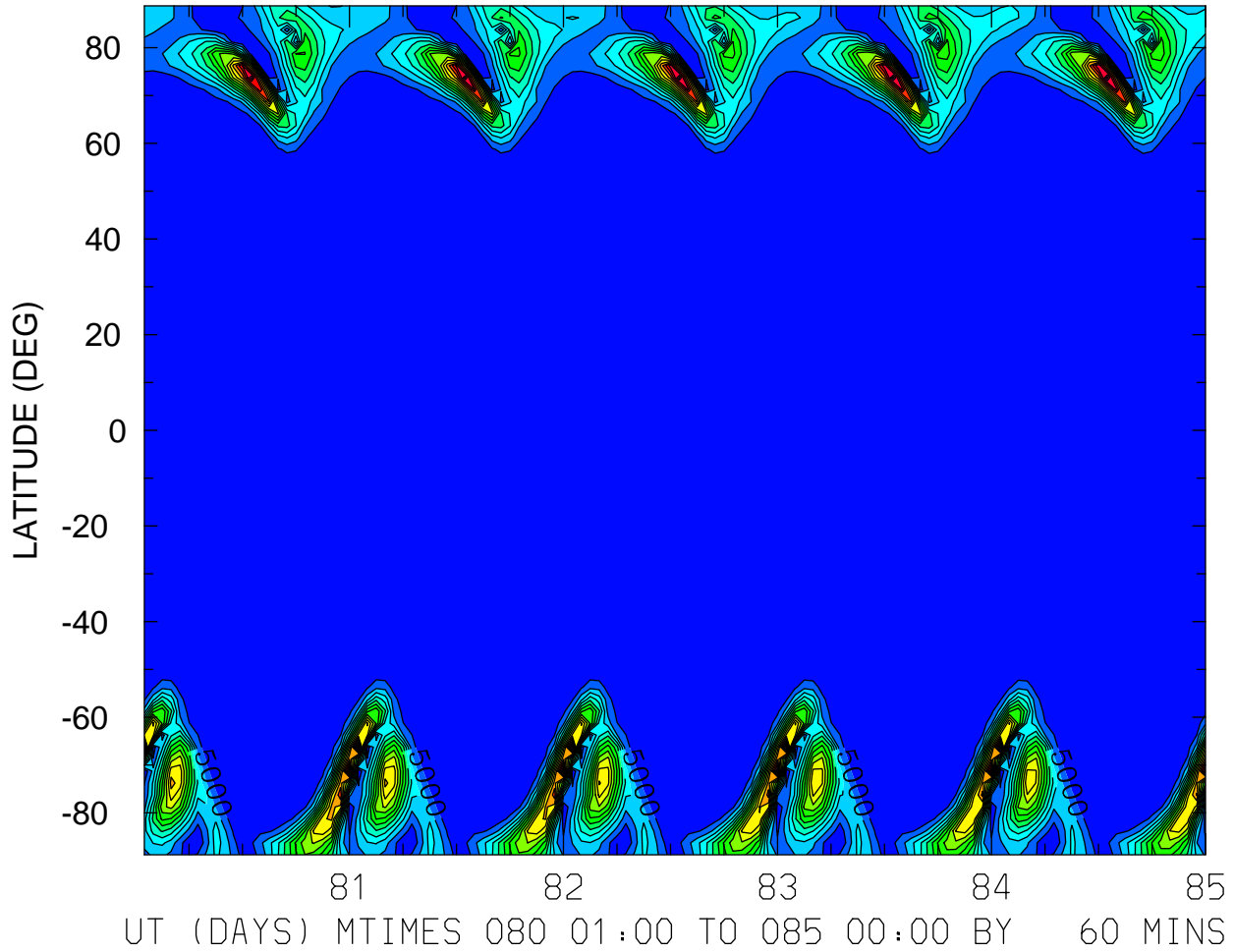
MIN,MAX= 1.3358E-15 1.4993E-15 INTERVAL= 1.0000E-17  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

QJOULE: QJOULE: Joule Heating (erg/g/s)  
ZP = -4.125 LOCAL TIME = 0.00



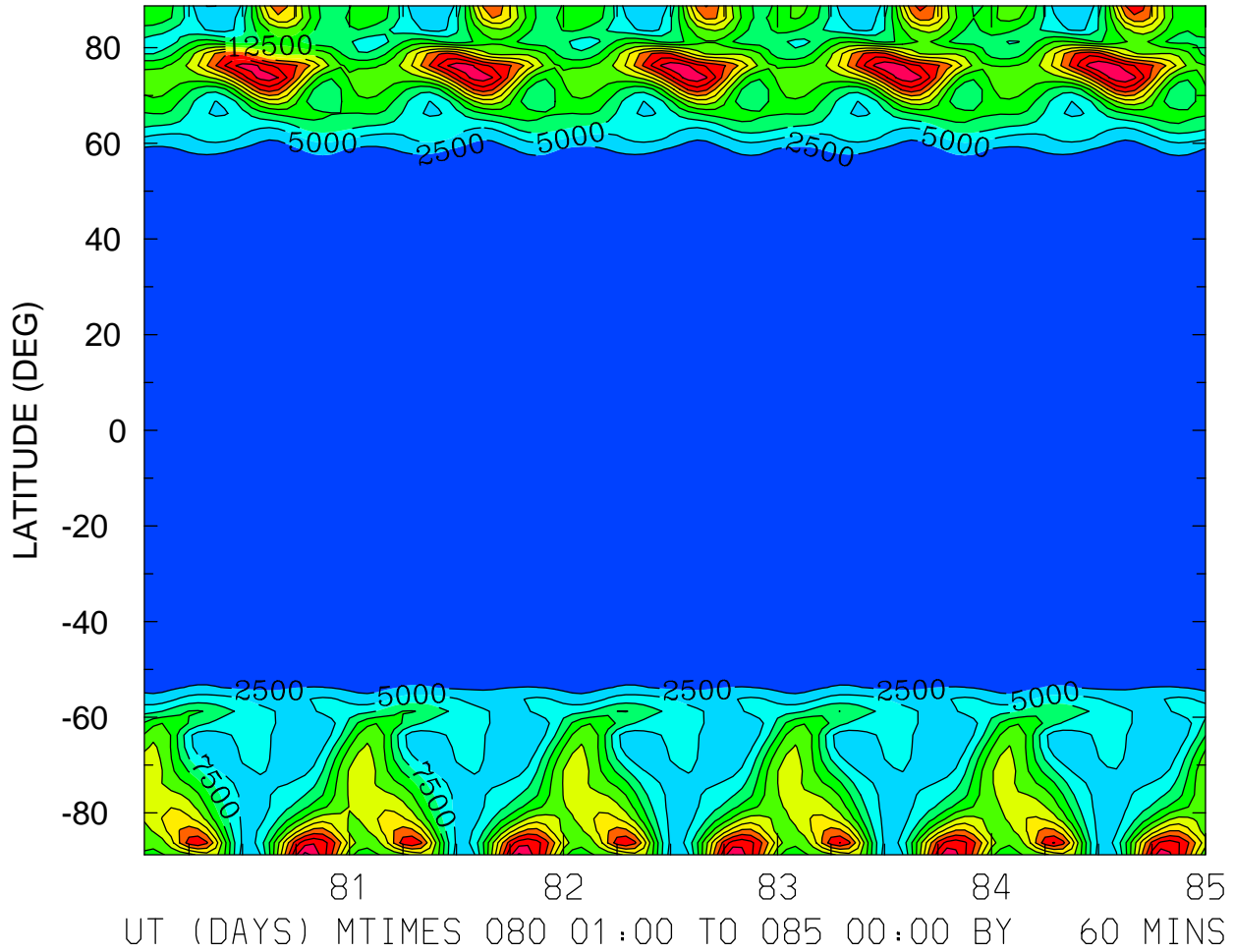
MIN,MAX= 1.1264E+00 5.2745E+04 INTERVAL= 4.0000E+03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

QJOULE: QJOULE: Joule Heating (erg/g/s)  
ZP = -4.125 LOCAL TIME = 12.00



MIN,MAX= 1.9005E+00 8.7141E+04 INTERVAL= 5.0000E+03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

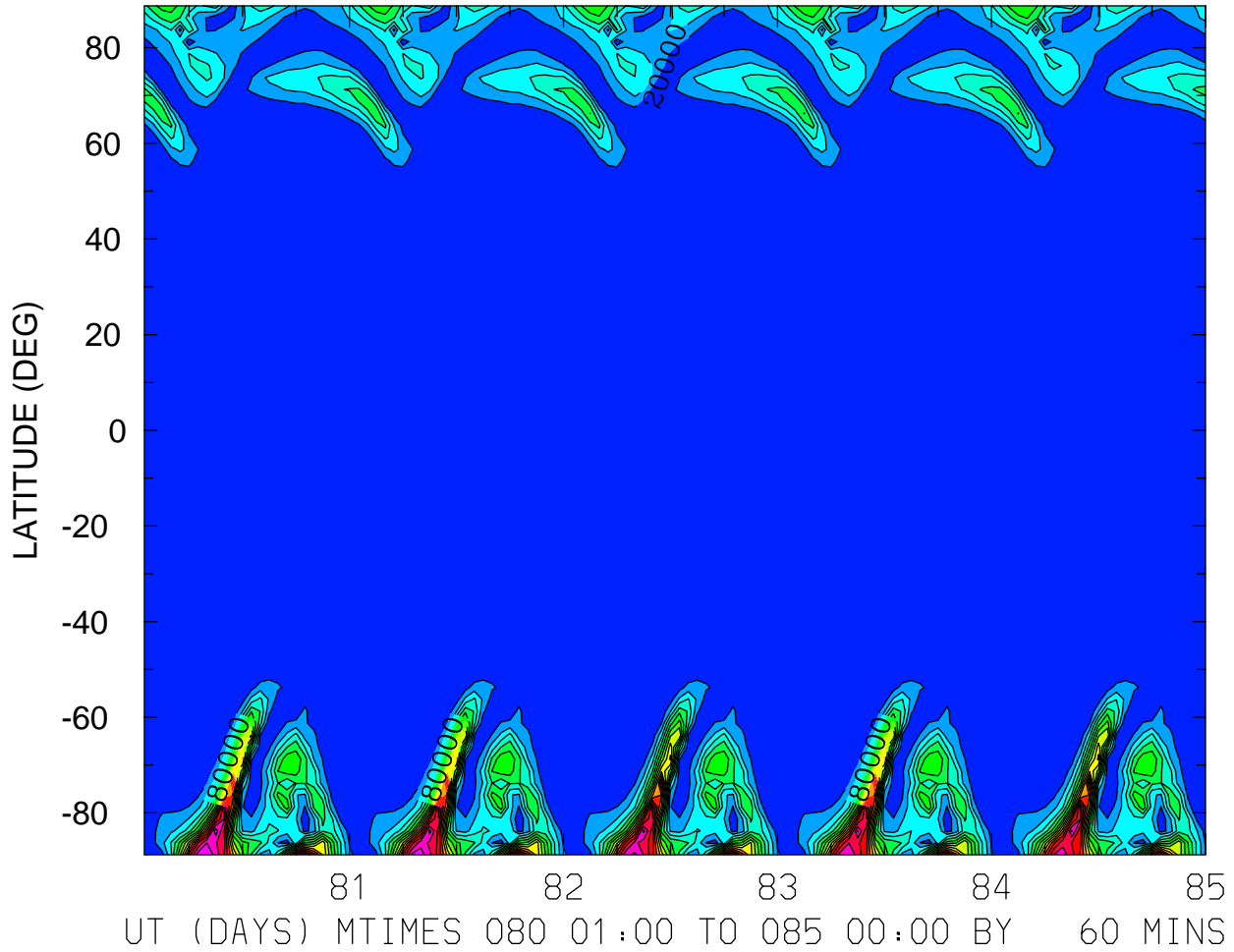
QJOULE: QJOULE: Joule Heating (erg/g/s)  
ZP = -4.125 ZONAL MEANS



MIN,MAX= 5.0465E+01 3.0851E+04 INTERVAL= 2.5000E+03  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

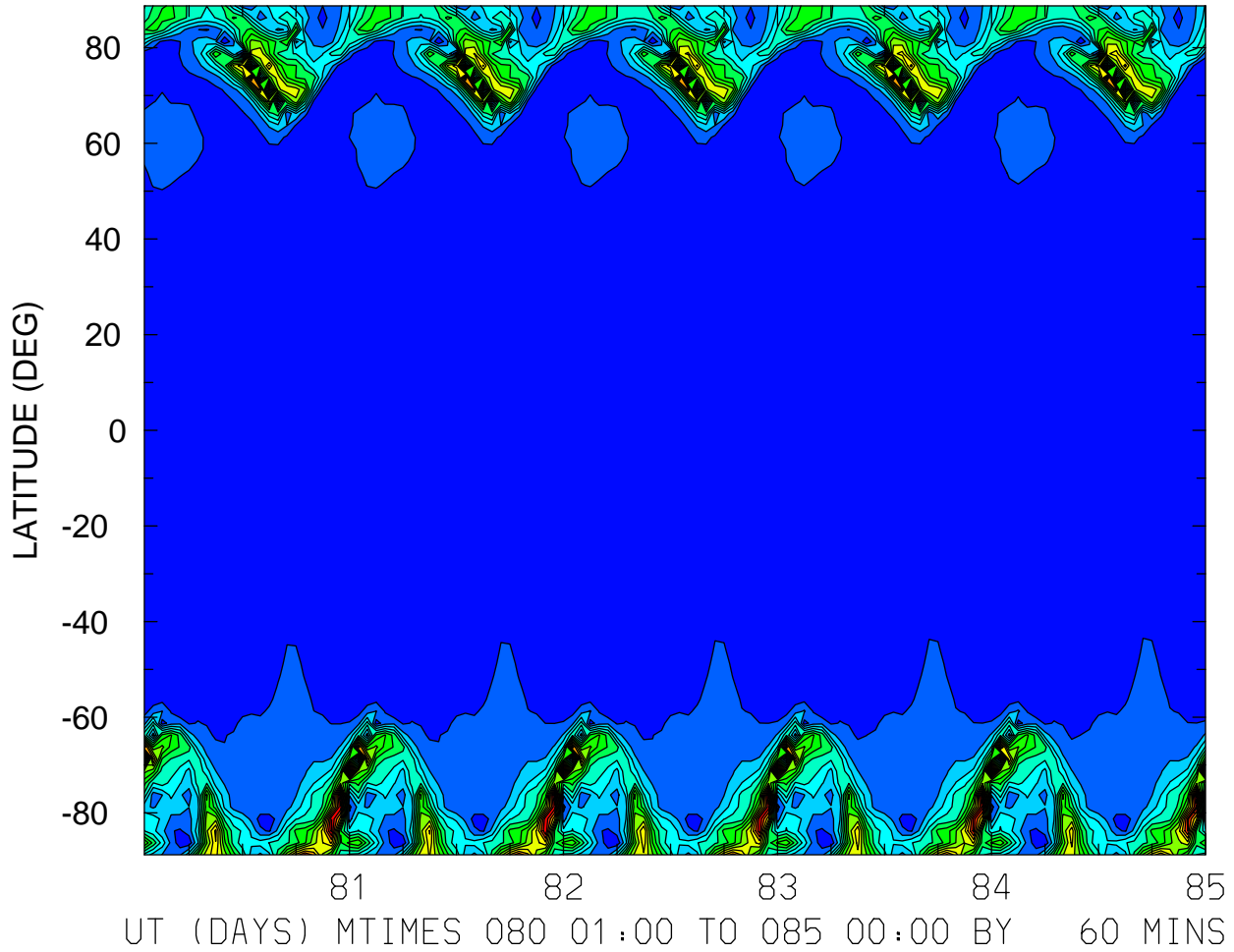


QJOULE: QJOULE: Joule Heating (erg/g/s)  
ZP = -0.125 LOCAL TIME = 0.00



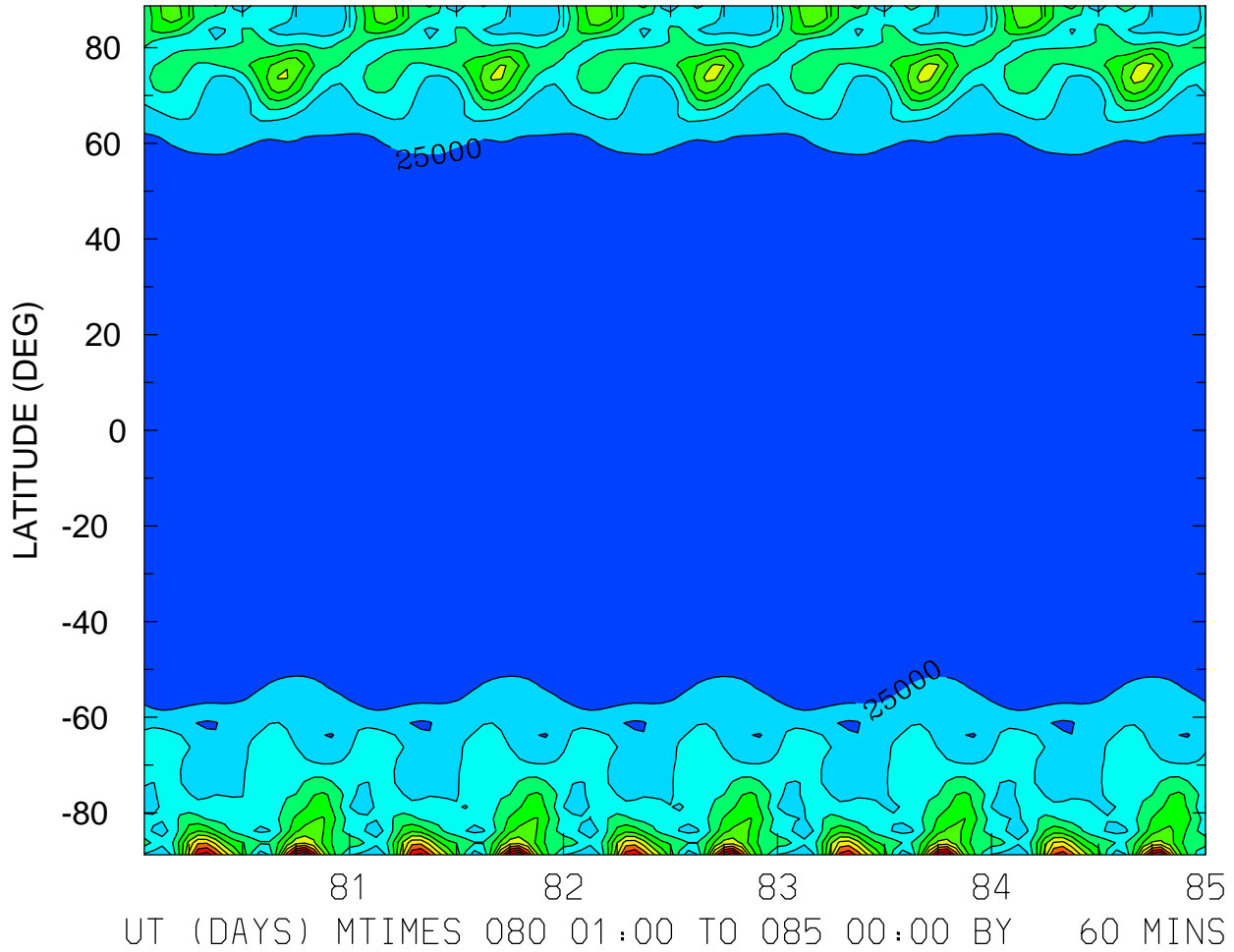
MIN,MAX= 2.9360E+01 2.9843E+05 INTERVAL= 2.0000E+04  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

QJOULE: QJOULE: Joule Heating (erg/g/s)  
ZP = -0.125 LOCAL TIME = 12.00



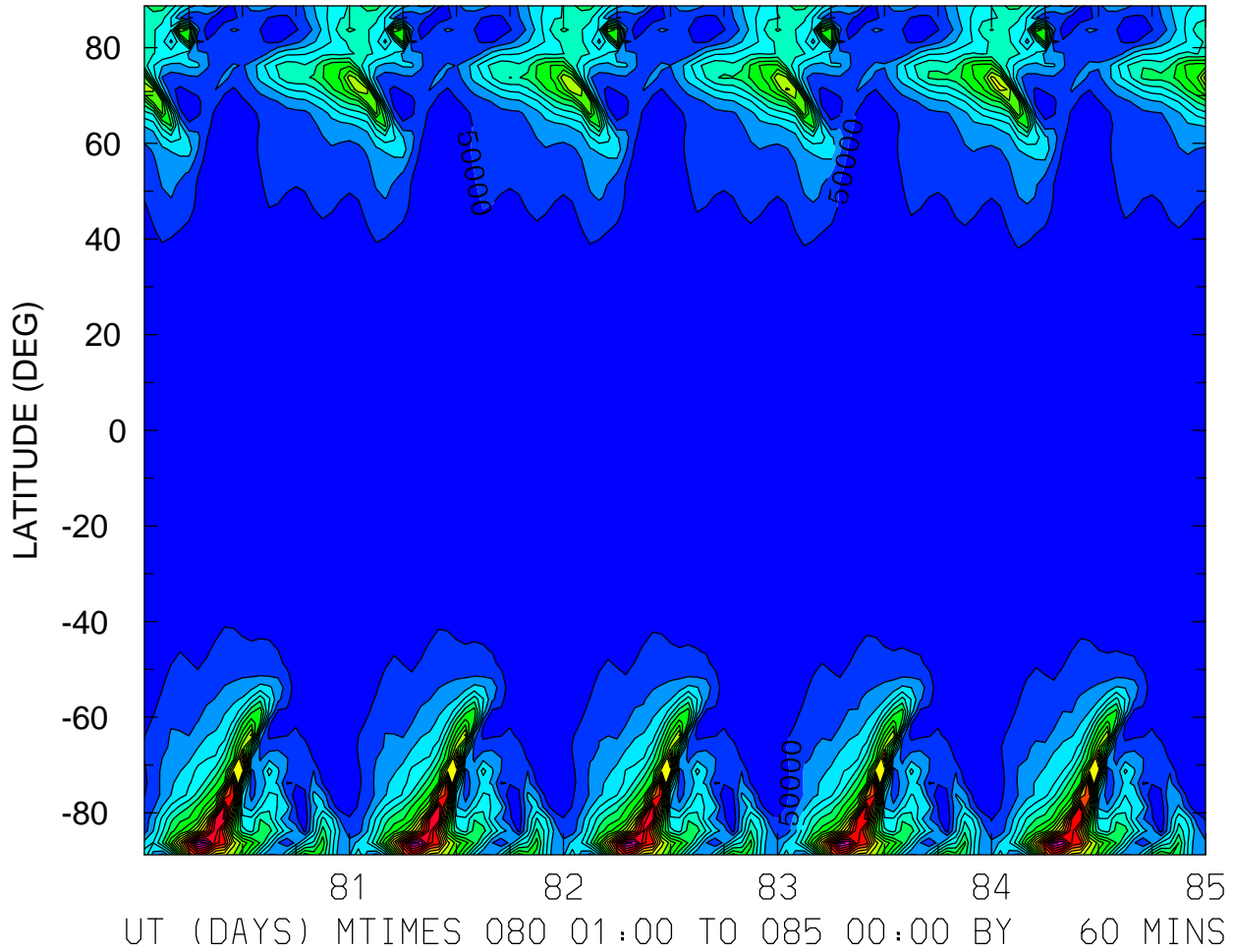
MIN,MAX= 2.3429E+02 4.2839E+05 INTERVAL= 2.5000E+04  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

QJOULE: QJOULE: Joule Heating (erg/g/s)  
ZP = -0.125 ZONAL MEANS



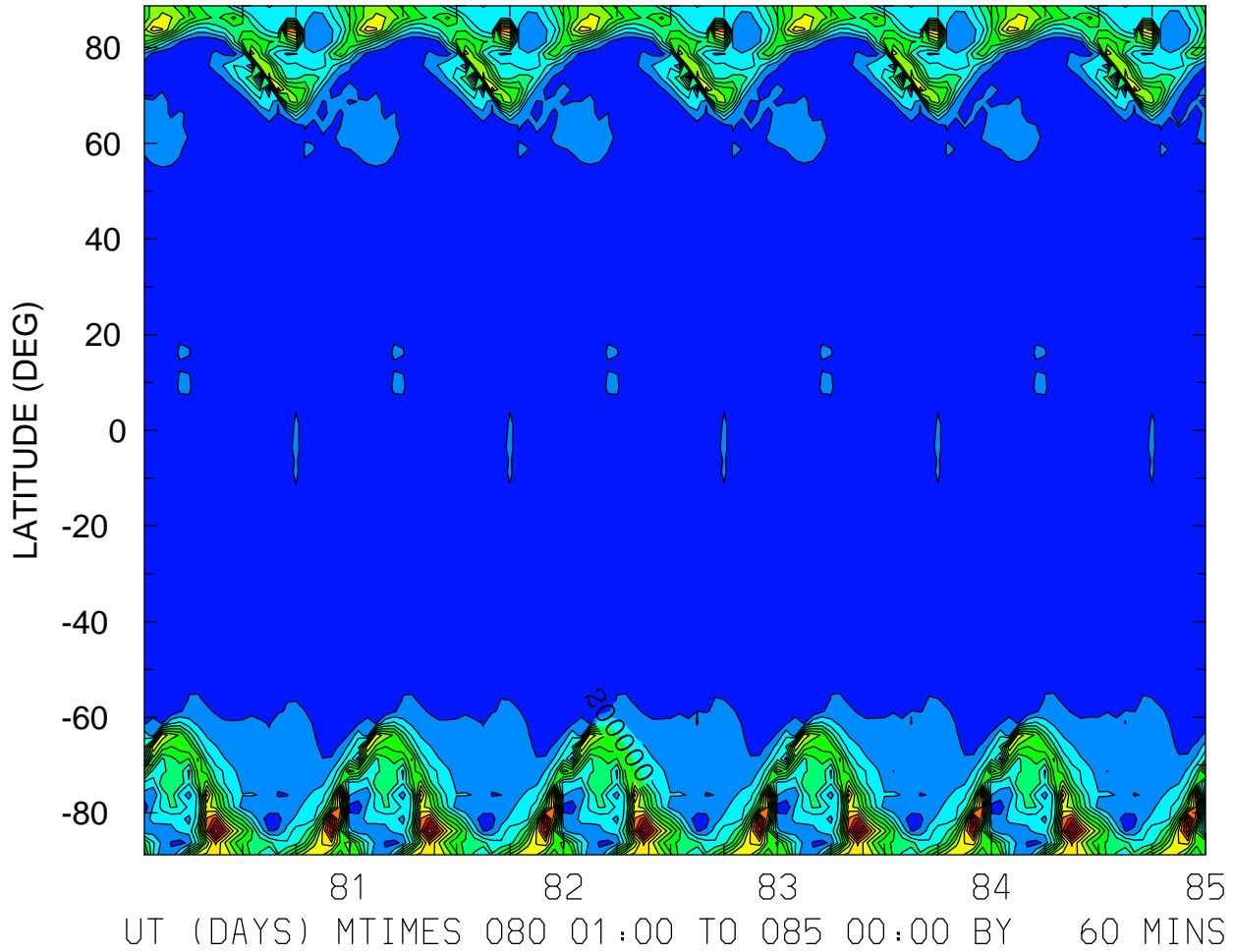
MIN,MAX= 1.4514E+03 3.1469E+05 INTERVAL= 2.5000E+04  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

QJOULE: QJOULE: Joule Heating (erg/g/s)  
ZP = 3.875 LOCAL TIME = 0.00



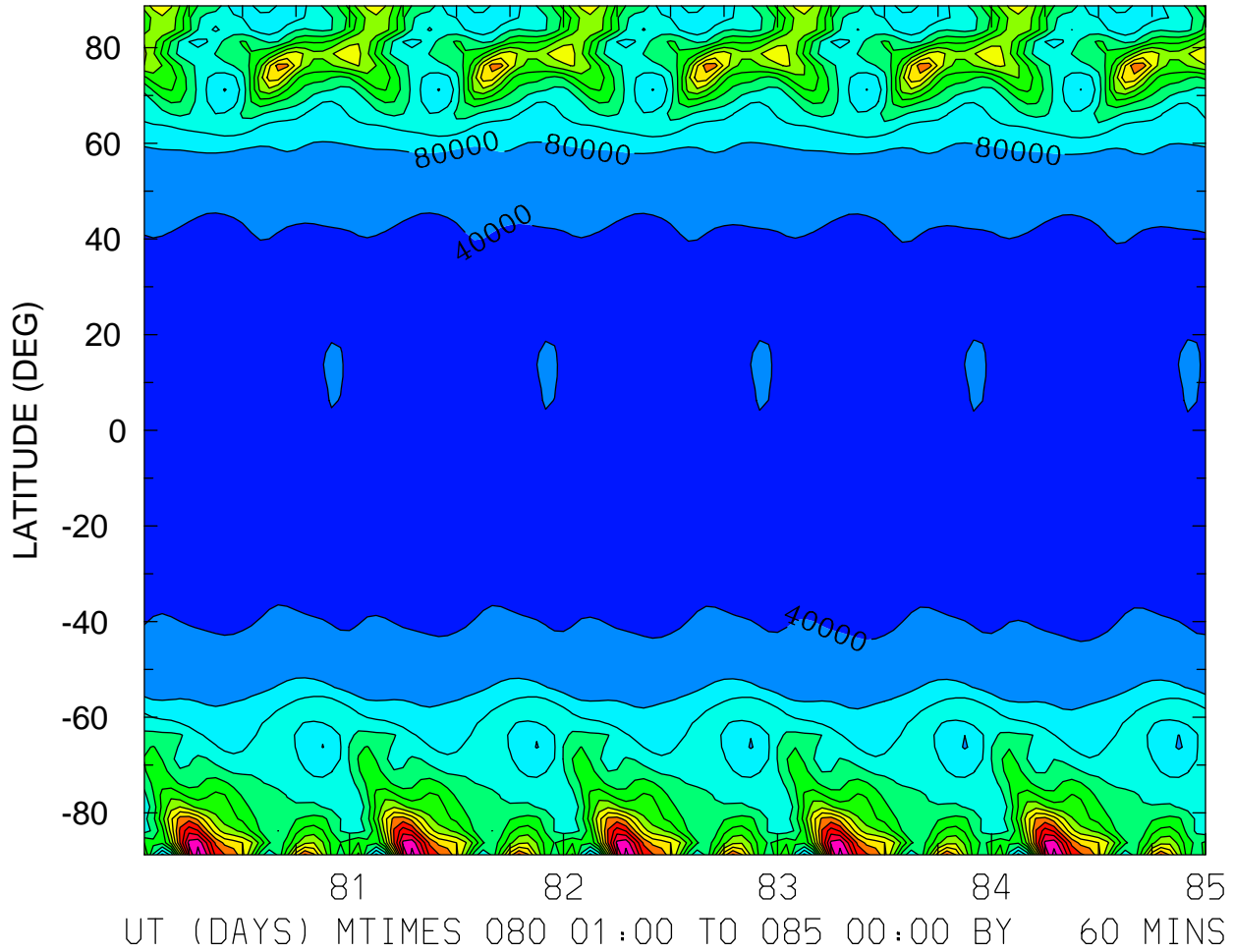
MIN,MAX= 3.1730E+02 1.0357E+06 INTERVAL= 5.0000E+04  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

QJOULE: QJOULE: Joule Heating (erg/g/s)  
ZP = 3.875 LOCAL TIME = 12.00



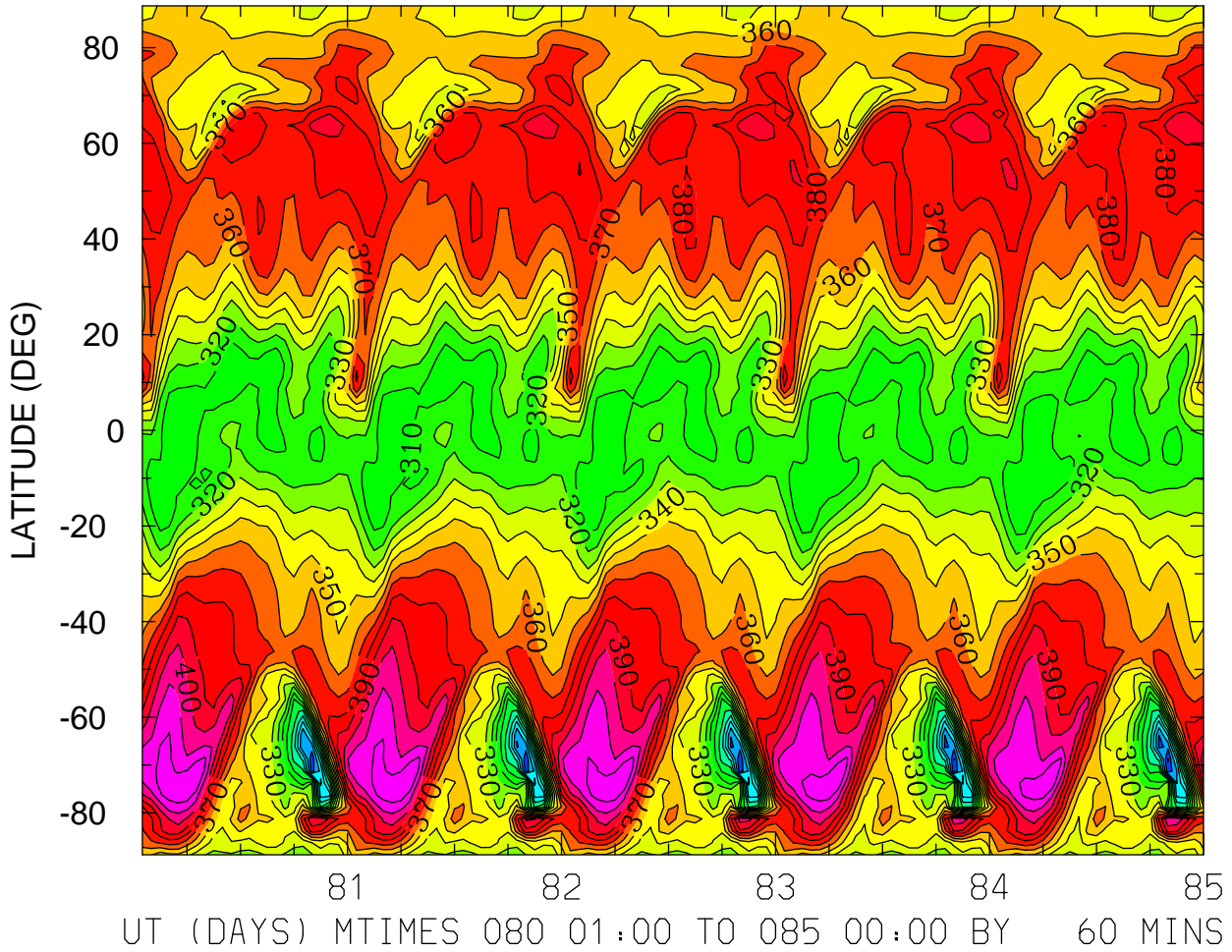
MIN,MAX= 3.7184E+01 7.5733E+05 INTERVAL= 5.0000E+04  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

QJOULE: QJOULE: Joule Heating (erg/g/s)  
ZP = 3.875 ZONAL MEANS



MIN,MAX= 1.7992E+04 6.1559E+05 INTERVAL= 4.0000E+04  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

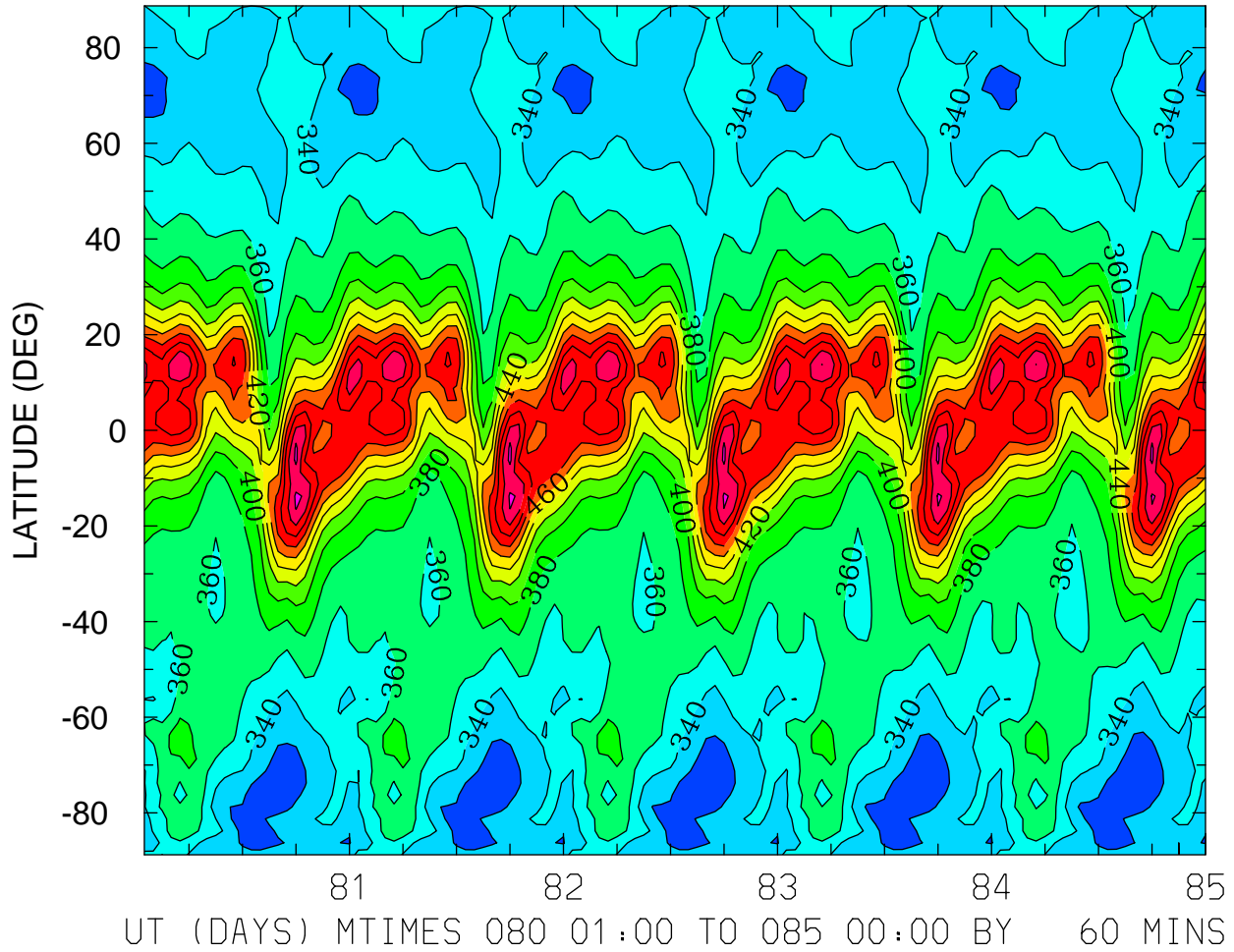
HMF2 (KM)  
LOCAL TIME = 0.00



MIN,MAX= 2.3919E+02 4.2979E+02 INTERVAL= 1.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

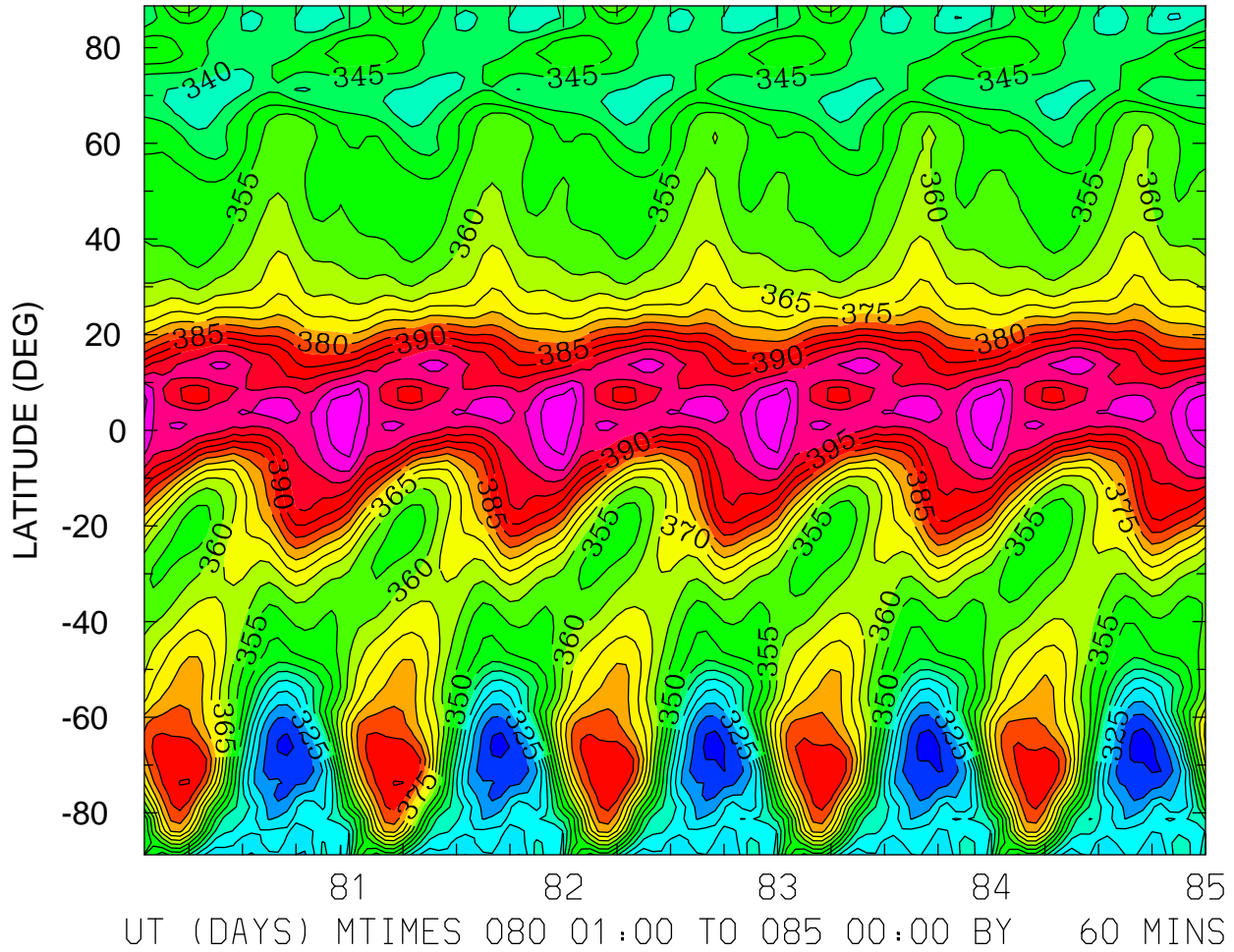


HMF2 (KM)  
LOCAL TIME = 12.00



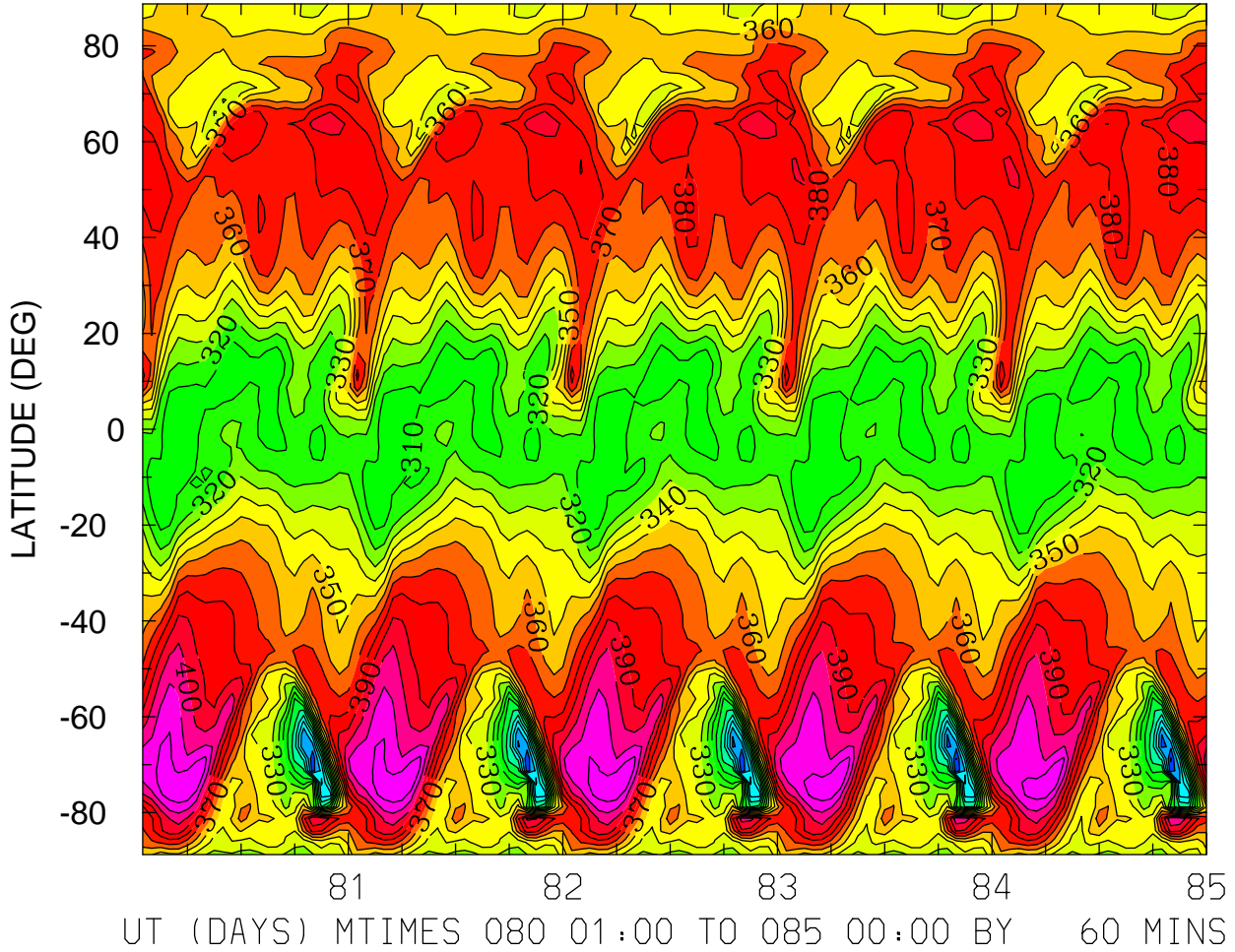
MIN,MAX= 3.0280E+02 5.4561E+02 INTERVAL= 2.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

HMF2 (KM)  
ZONAL MEANS



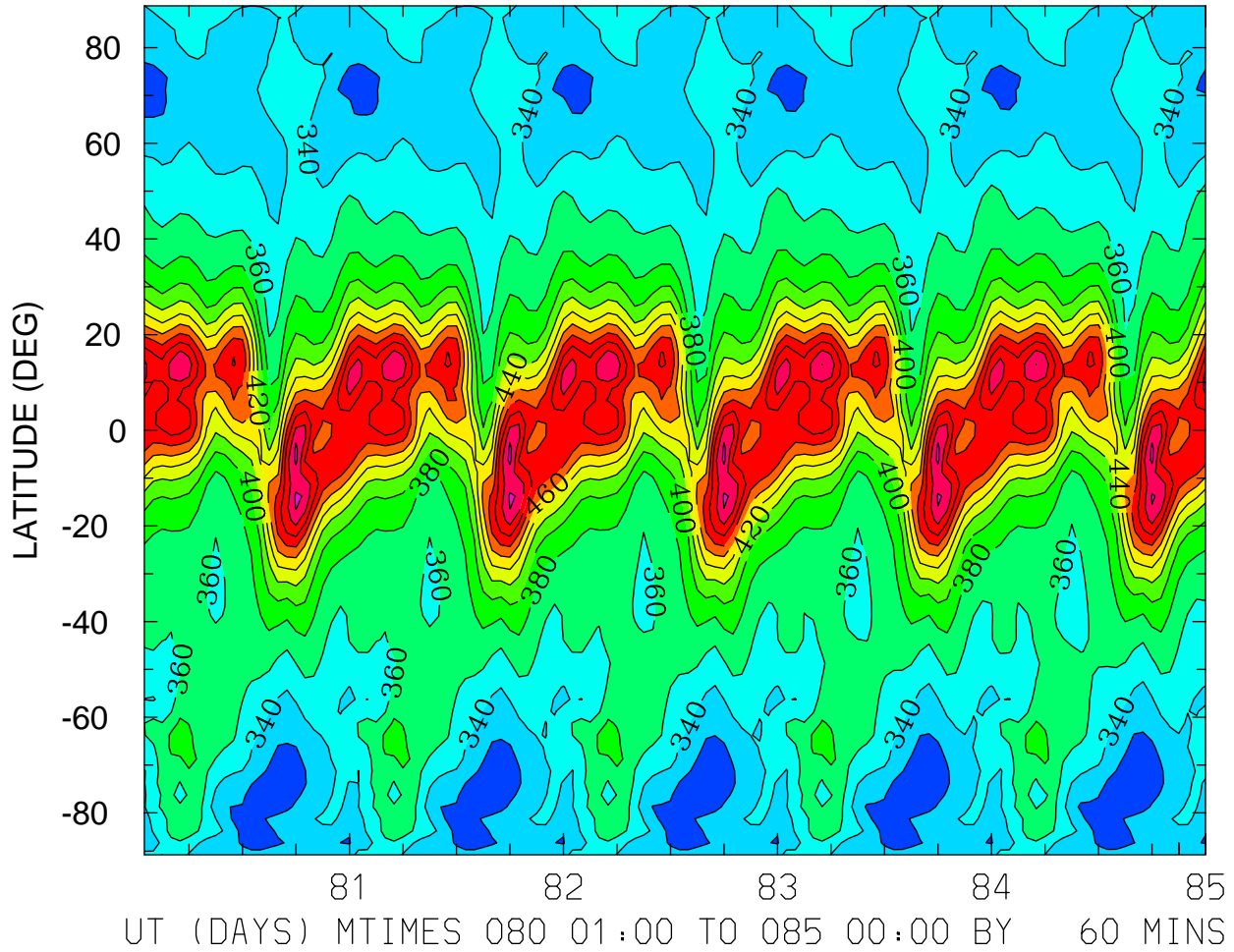
MIN,MAX= 3.1231E+02 4.1343E+02 INTERVAL= 5.0000E+00  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

HMF2 (KM)  
LOCAL TIME = 0.00



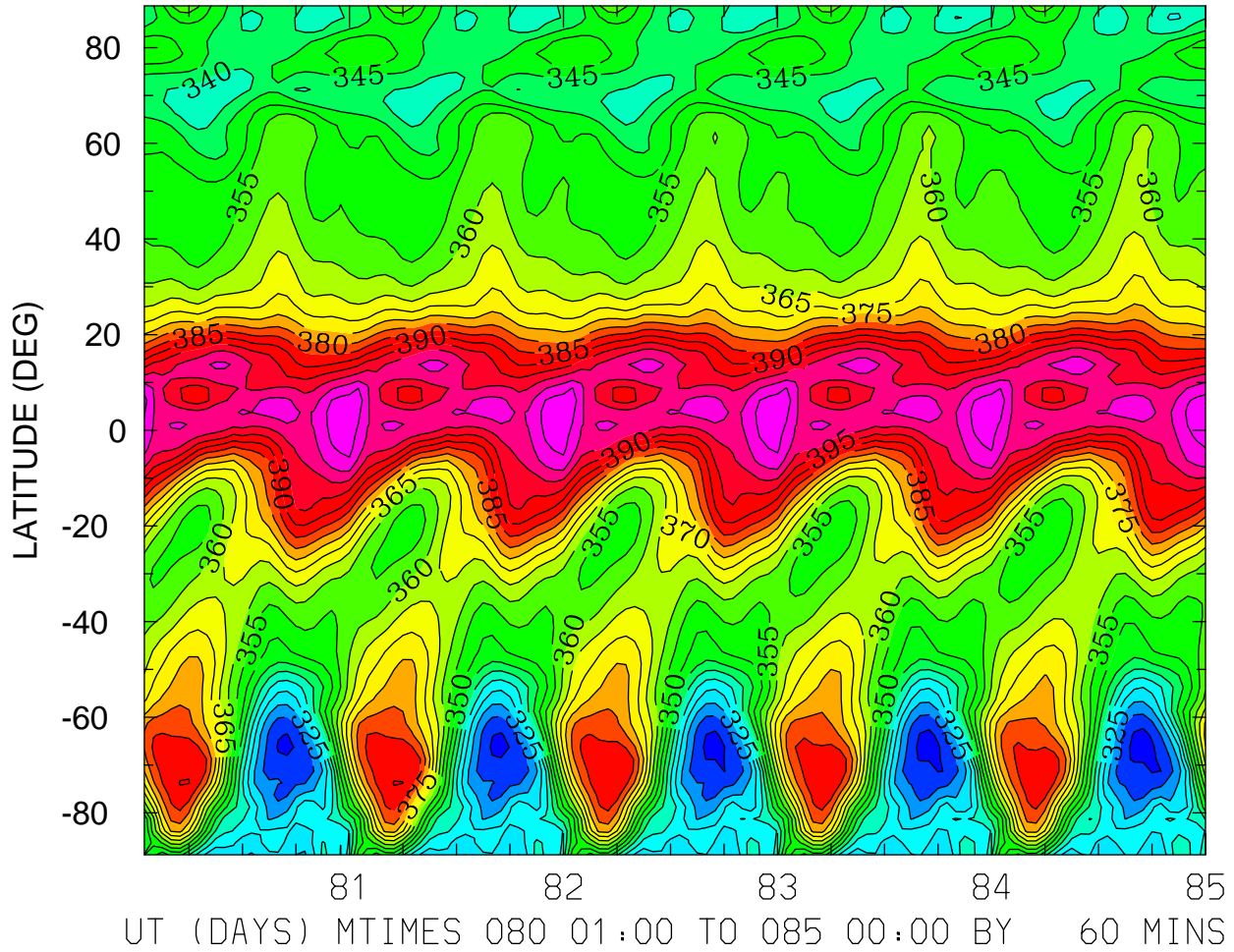
MIN,MAX= 2.3919E+02 4.2979E+02 INTERVAL= 1.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

HMF2 (KM)  
LOCAL TIME = 12.00



MIN,MAX= 3.0280E+02 5.4561E+02 INTERVAL= 2.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

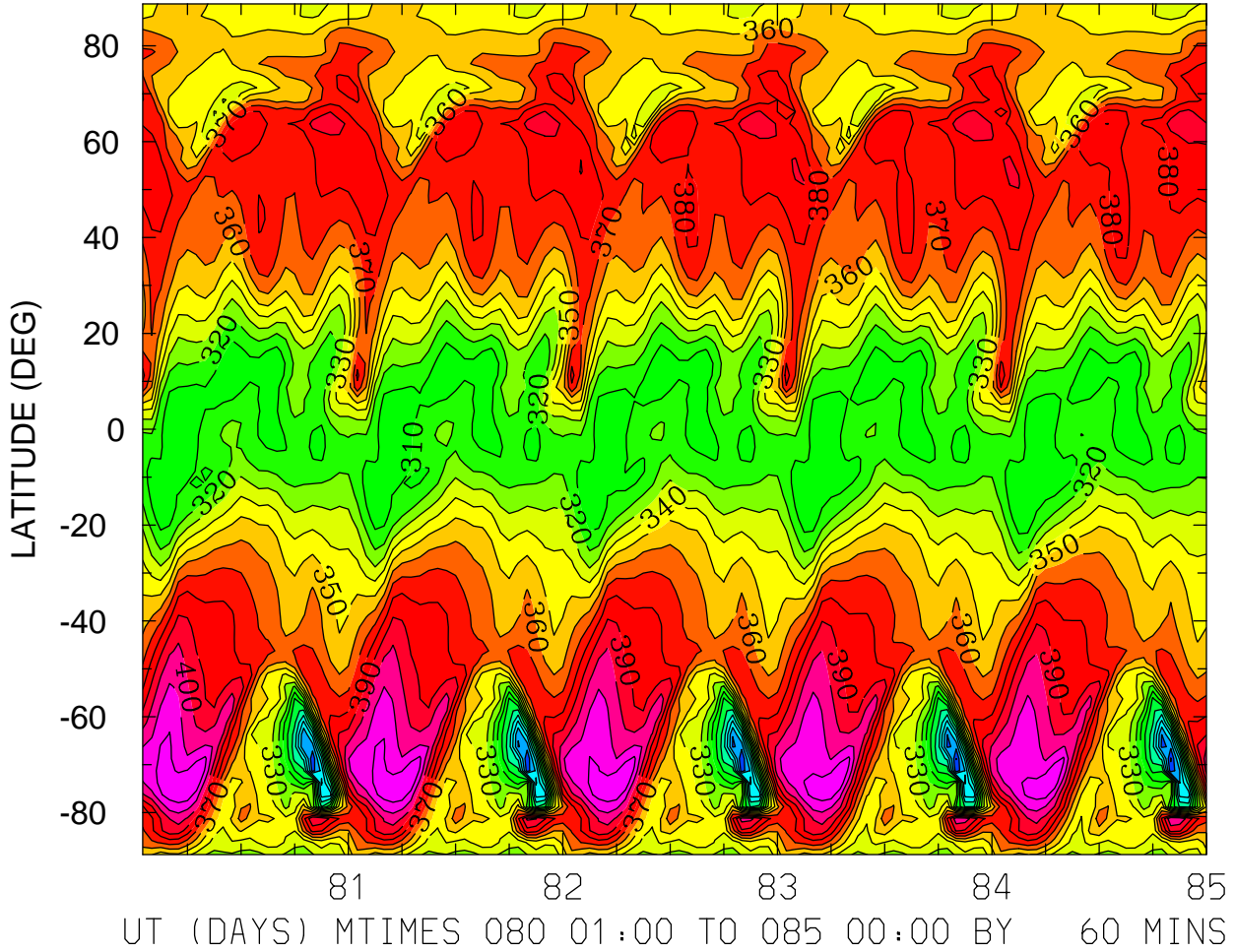
HMF2 (KM)  
ZONAL MEANS



MIN,MAX= 3.1231E+02 4.1343E+02 INTERVAL= 5.0000E+00  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

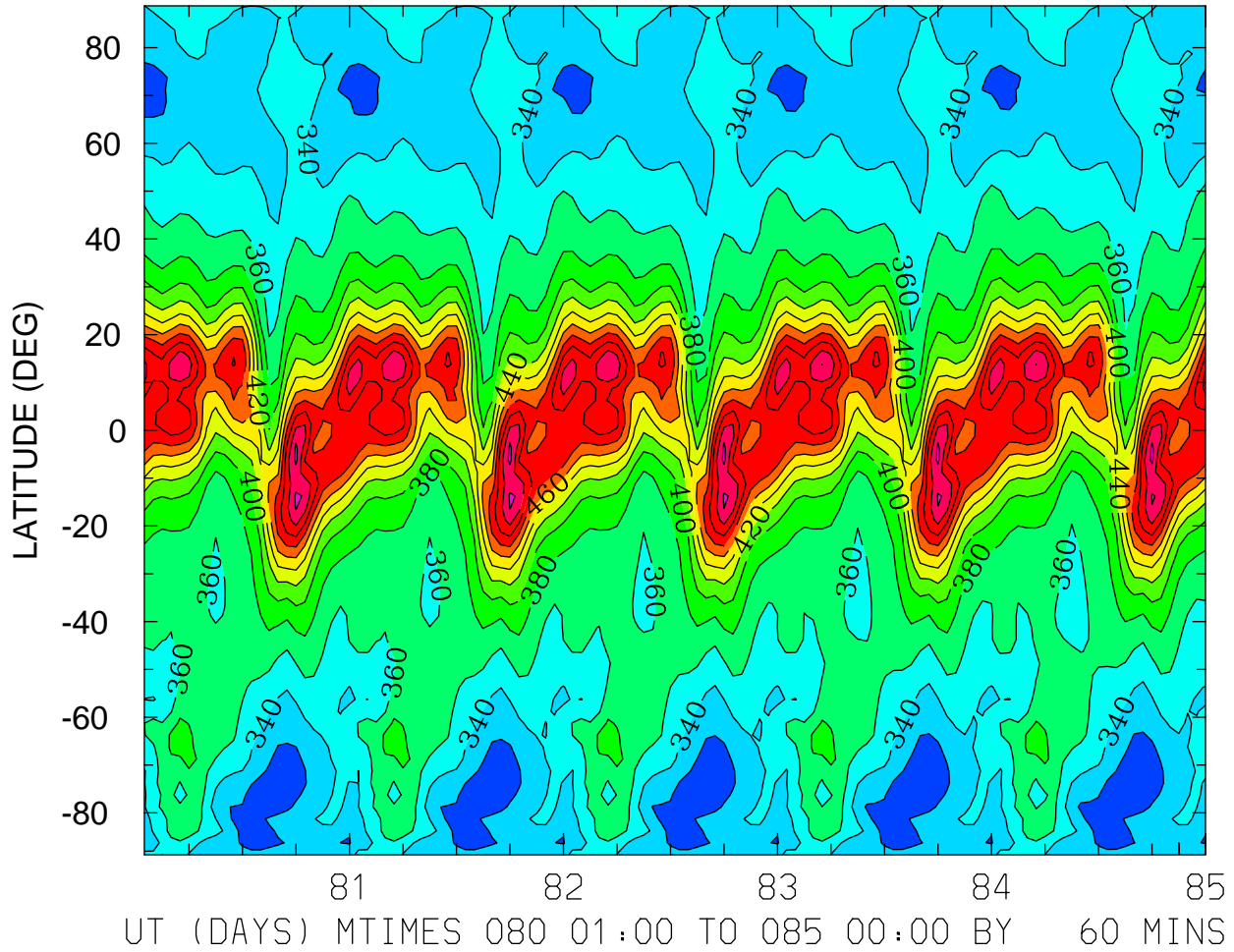


HMF2 (KM)  
LOCAL TIME = 0.00



MIN,MAX= 2.3919E+02 4.2979E+02 INTERVAL= 1.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

HMF2 (KM)  
LOCAL TIME = 12.00

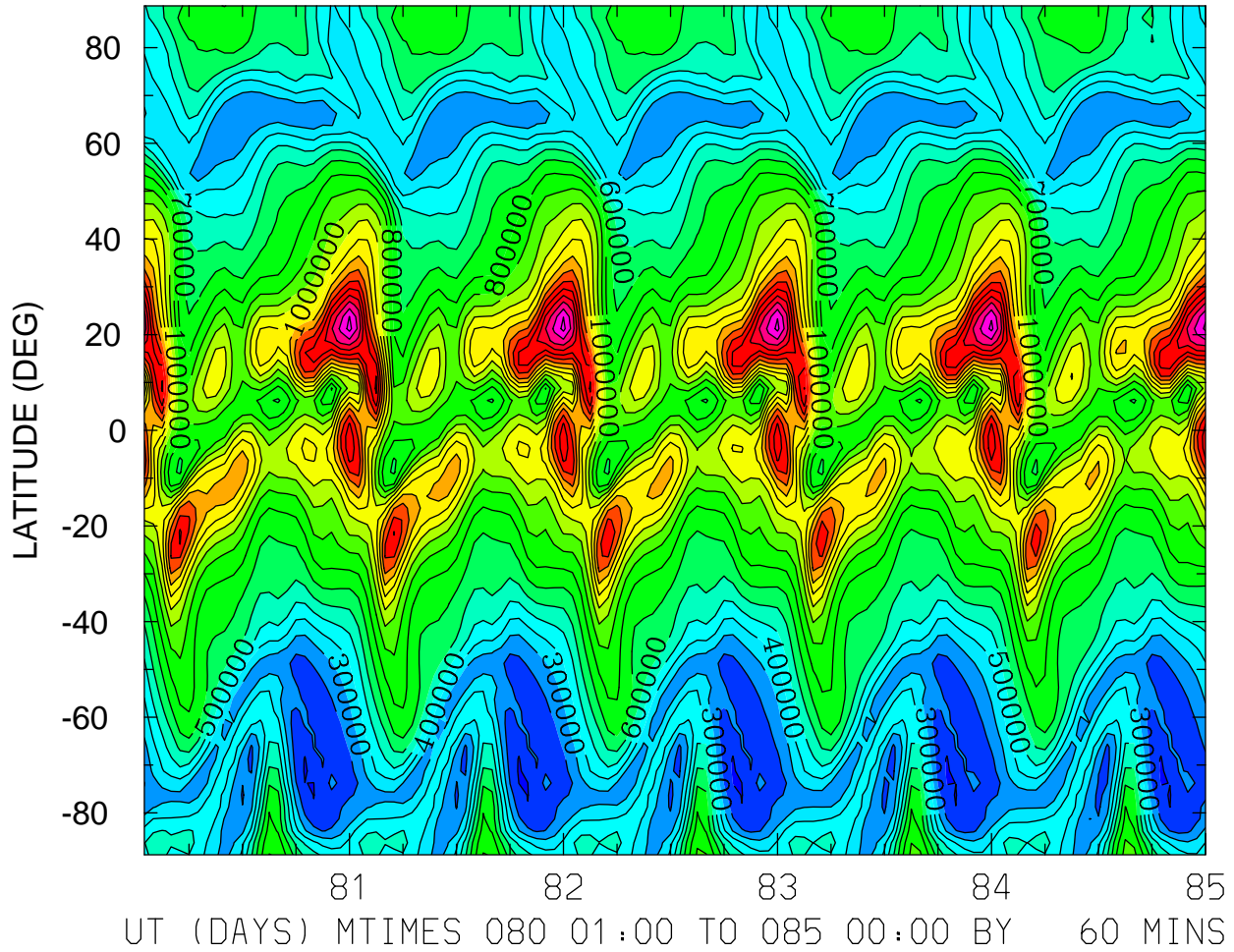


MIN,MAX= 3.0280E+02 5.4561E+02 INTERVAL= 2.0000E+01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc



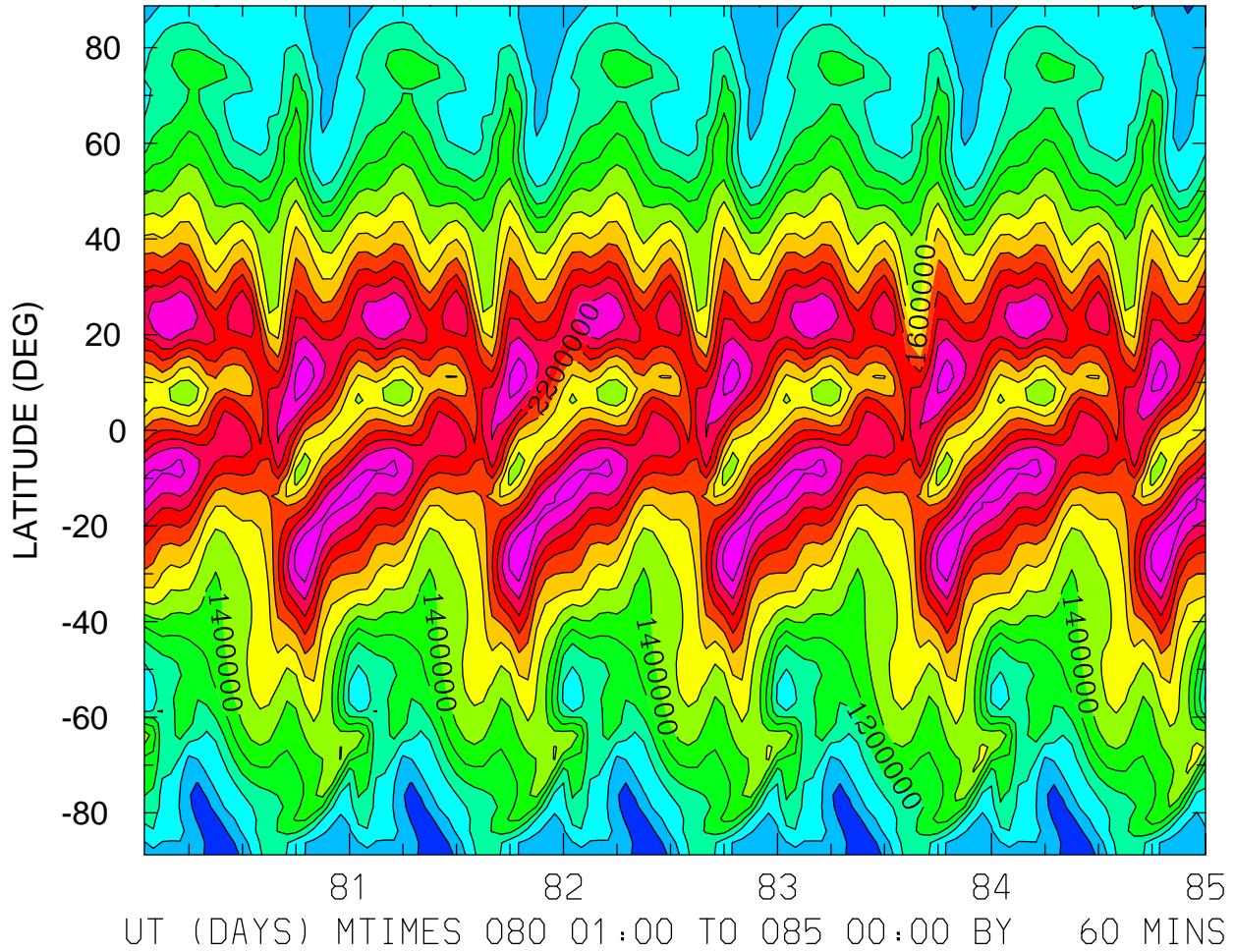


NMF2 ( )  
LOCAL TIME = 0.00



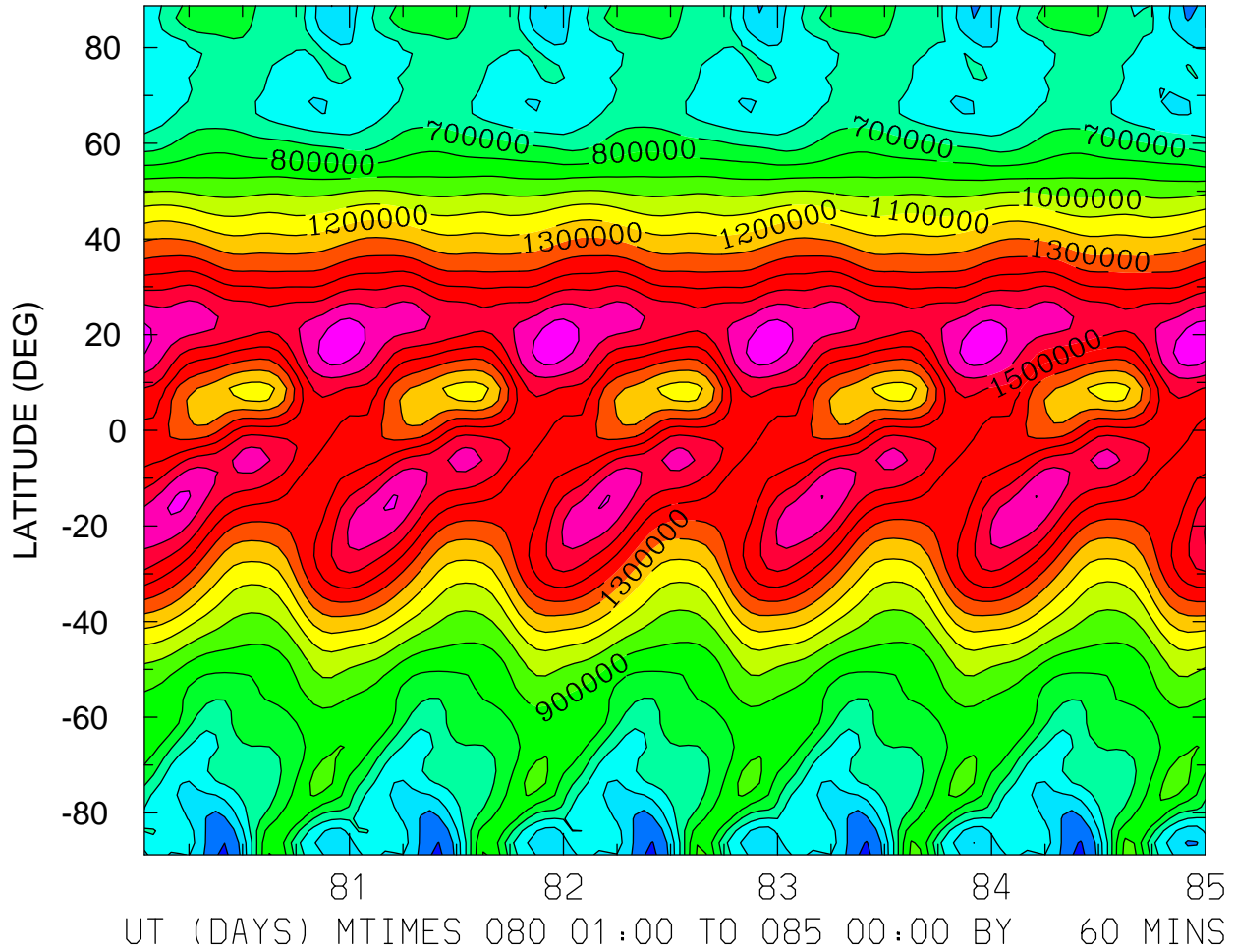
MIN,MAX= 8.7066E+04 2.0335E+06 INTERVAL= 1.0000E+05  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

NMF2 ( )  
LOCAL TIME = 12.00



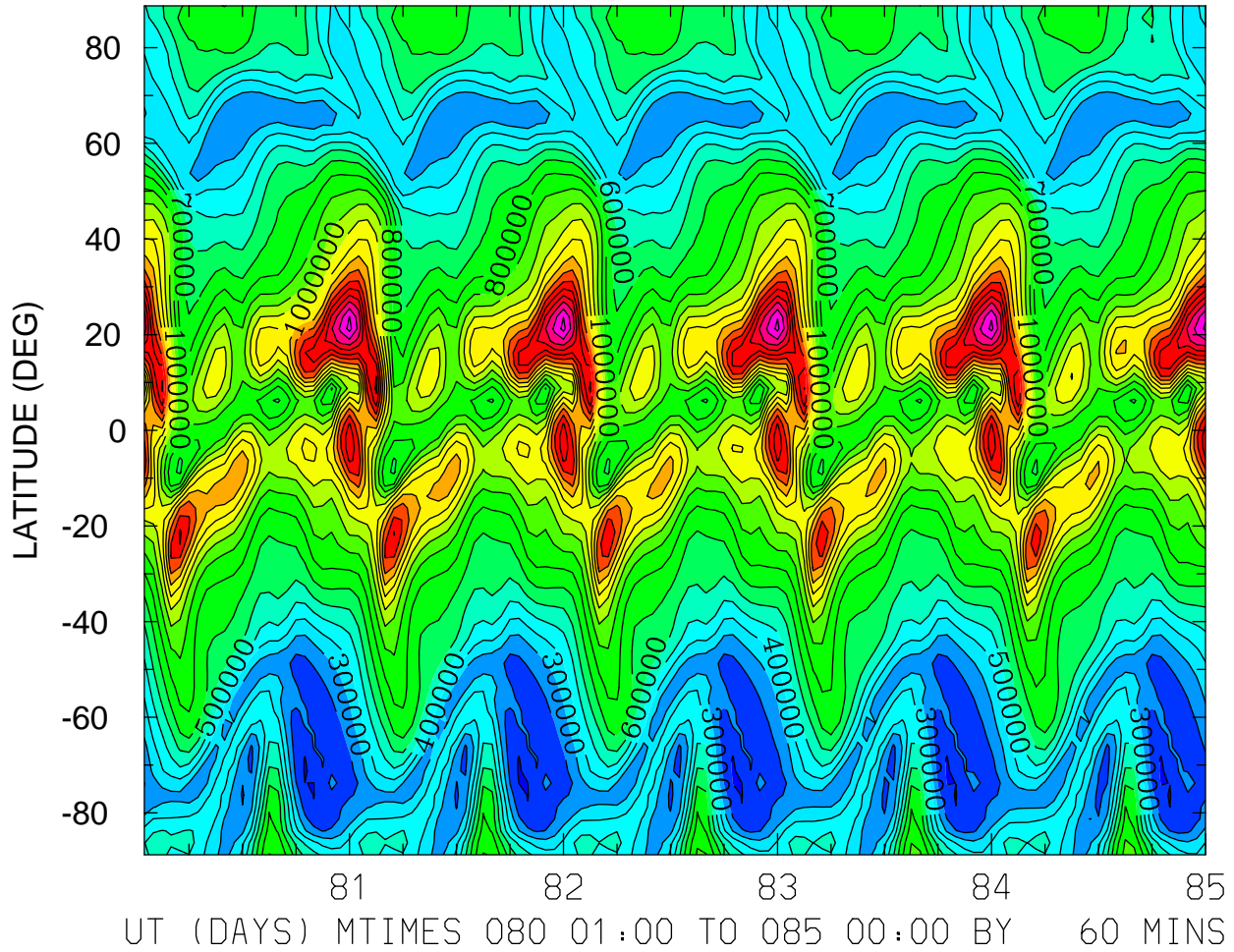
MIN,MAX= 2.8446E+05 2.9847E+06 INTERVAL= 2.0000E+05  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

NMF2 ( )  
ZONAL MEANS



MIN,MAX= 2.8137E+05 1.8730E+06 INTERVAL= 1.0000E+05  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

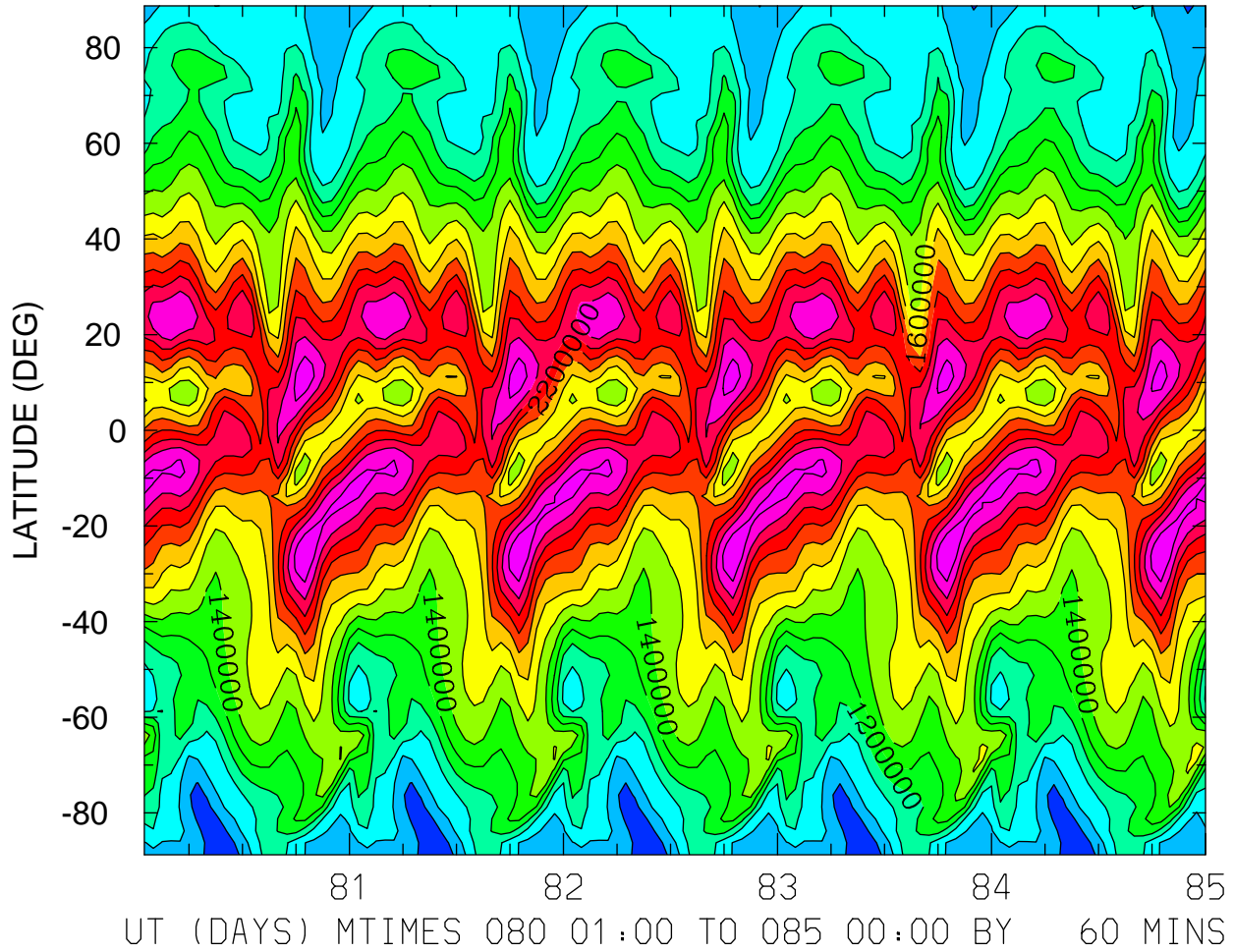
NMF2 ( )  
LOCAL TIME = 0.00



MIN,MAX= 8.7066E+04 2.0335E+06 INTERVAL= 1.0000E+05  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

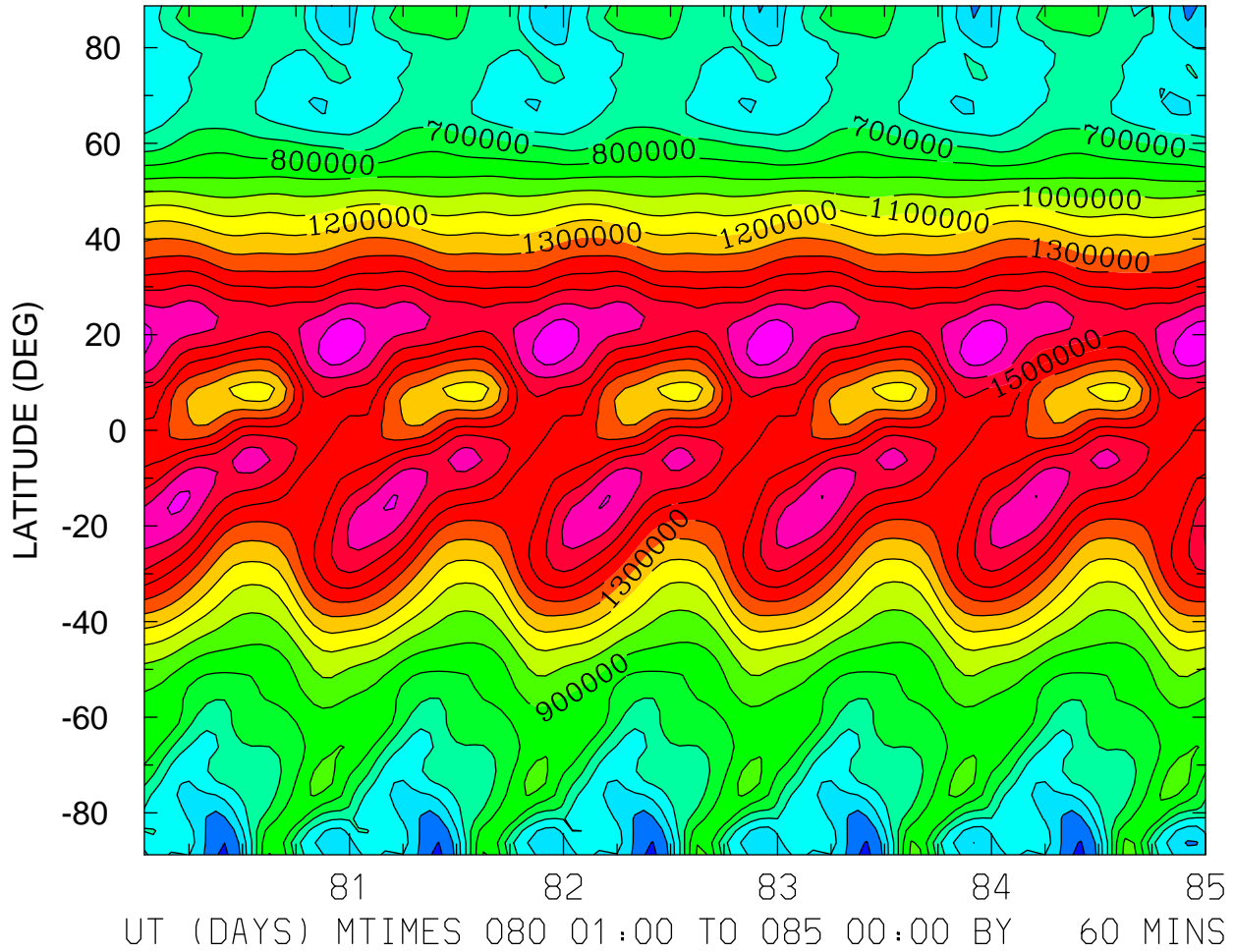


NMF2 ( )  
LOCAL TIME = 12.00



MIN,MAX= 2.8446E+05 2.9847E+06 INTERVAL= 2.0000E+05  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

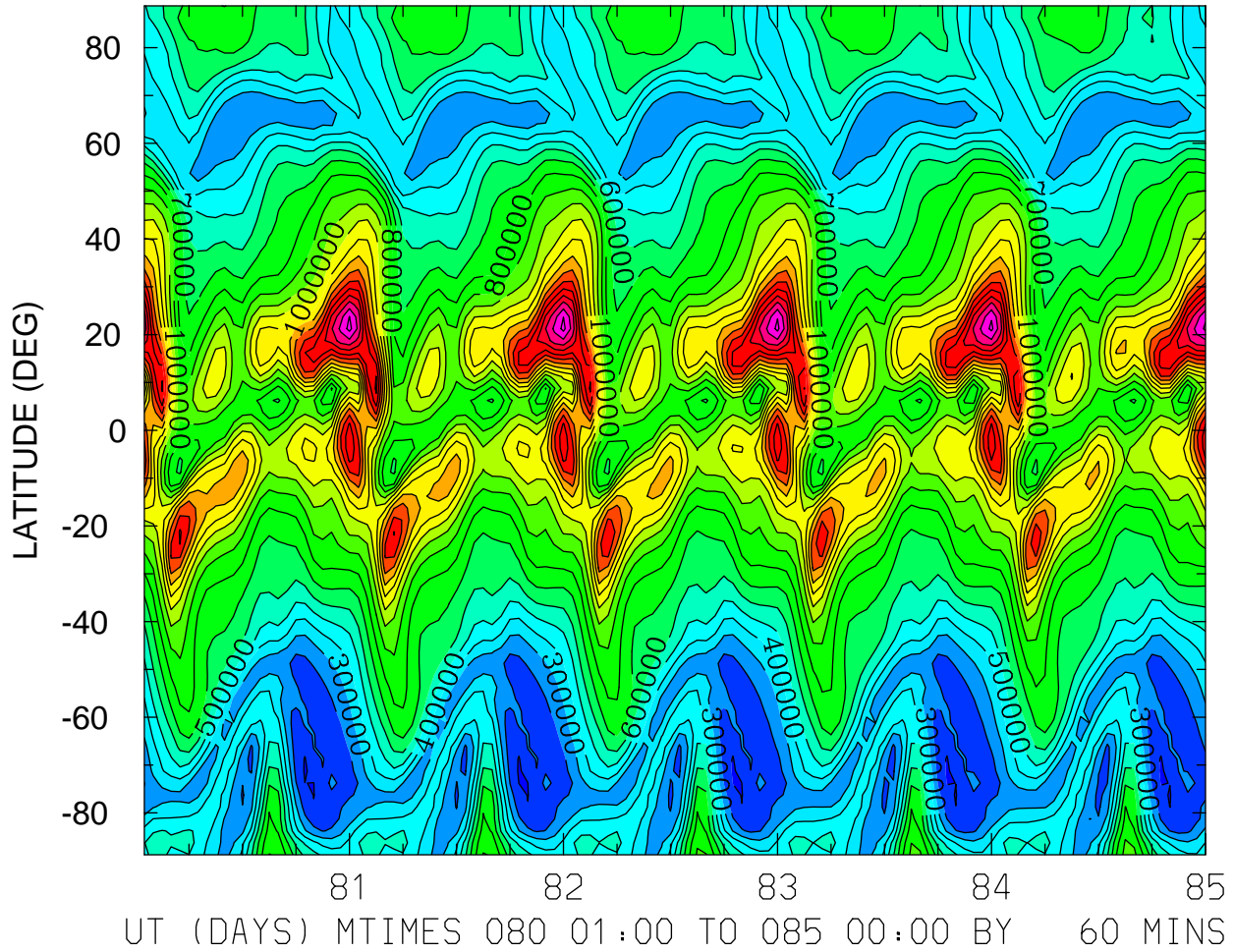
NMF2 ( )  
ZONAL MEANS



MIN,MAX= 2.8137E+05 1.8730E+06 INTERVAL= 1.0000E+05  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

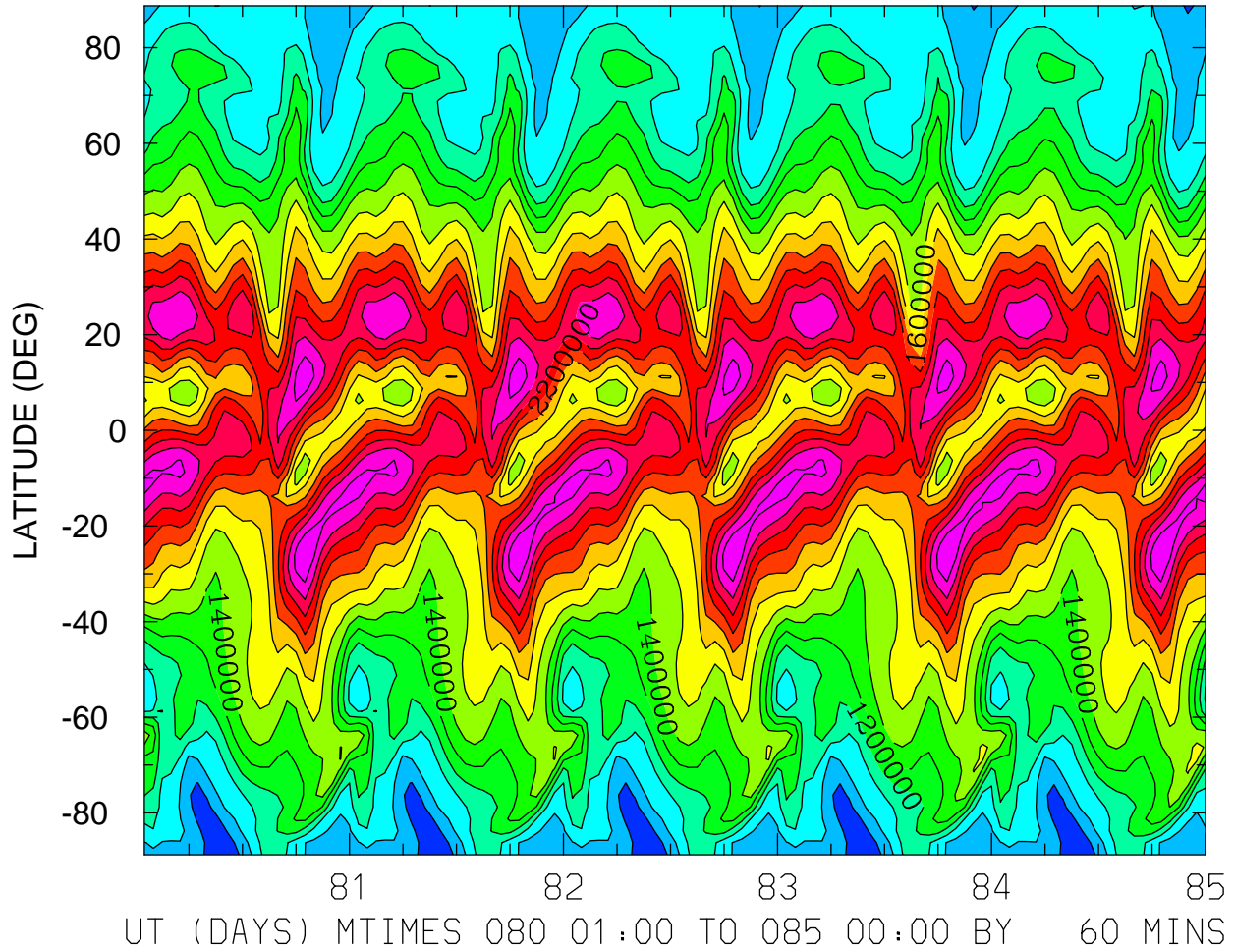


NMF2 ( )  
LOCAL TIME = 0.00



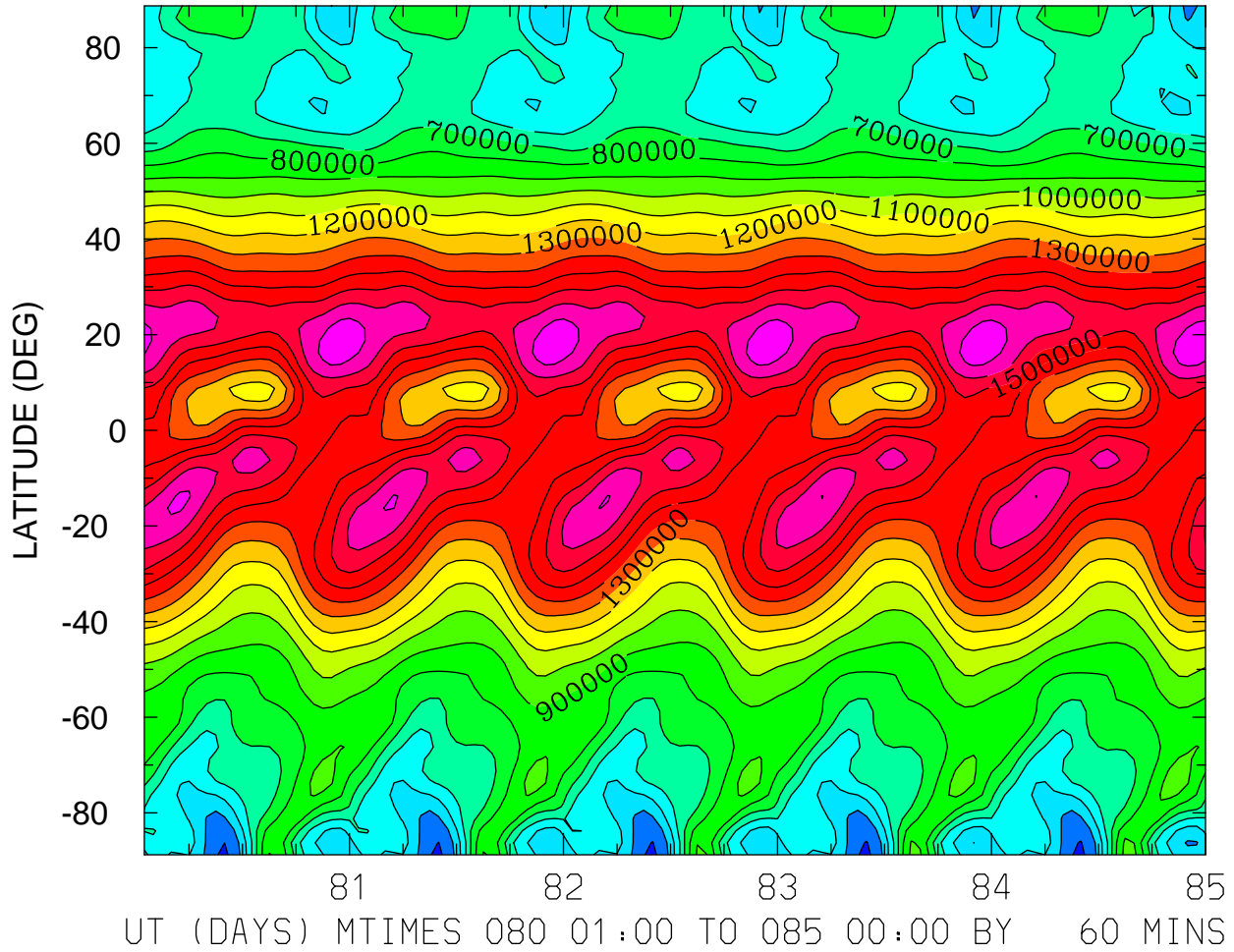
MIN,MAX= 8.7066E+04 2.0335E+06 INTERVAL= 1.0000E+05  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

NMF2 ( )  
LOCAL TIME = 12.00



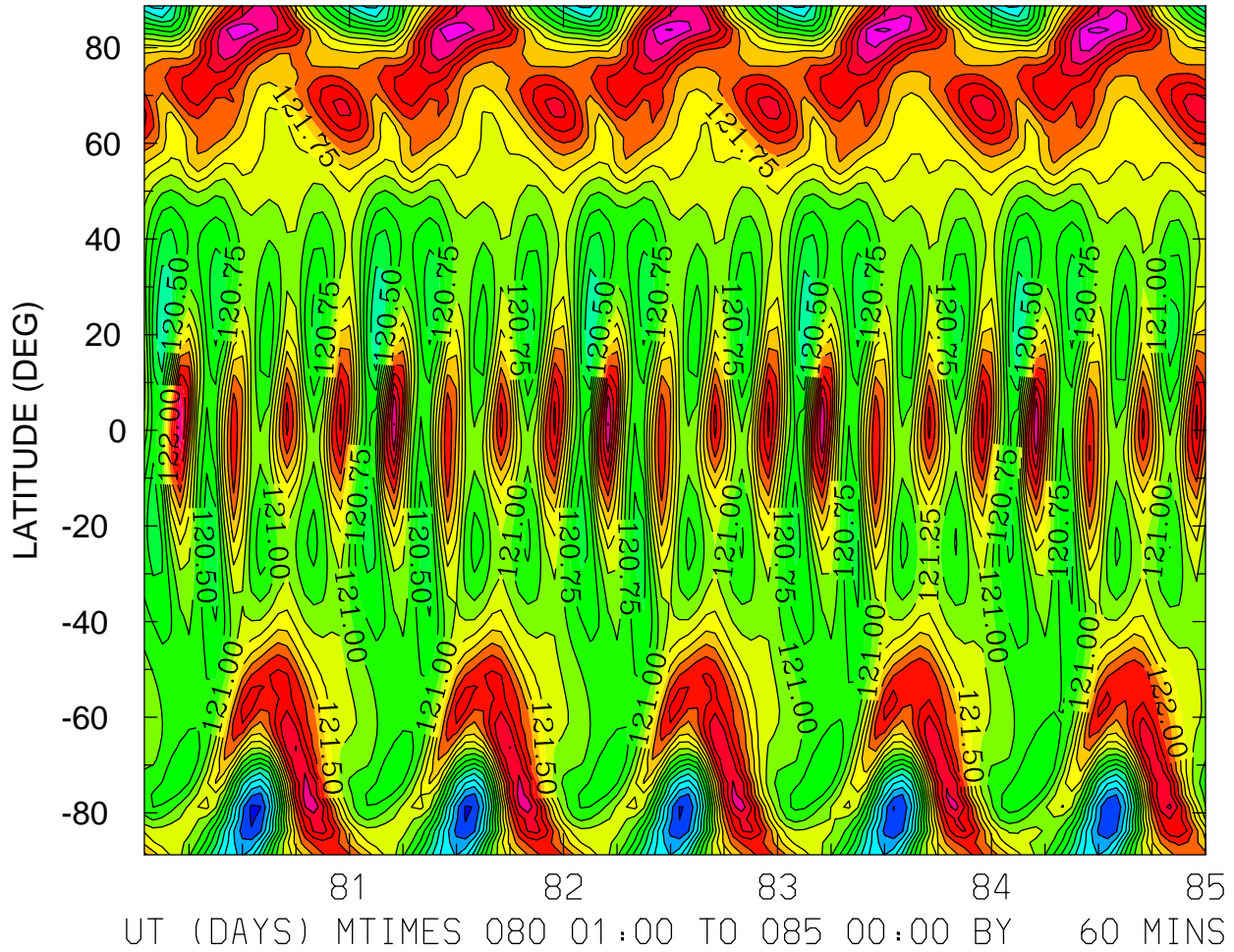
MIN,MAX= 2.8446E+05 2.9847E+06 INTERVAL= 2.0000E+05  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

NMF2 ( )  
ZONAL MEANS



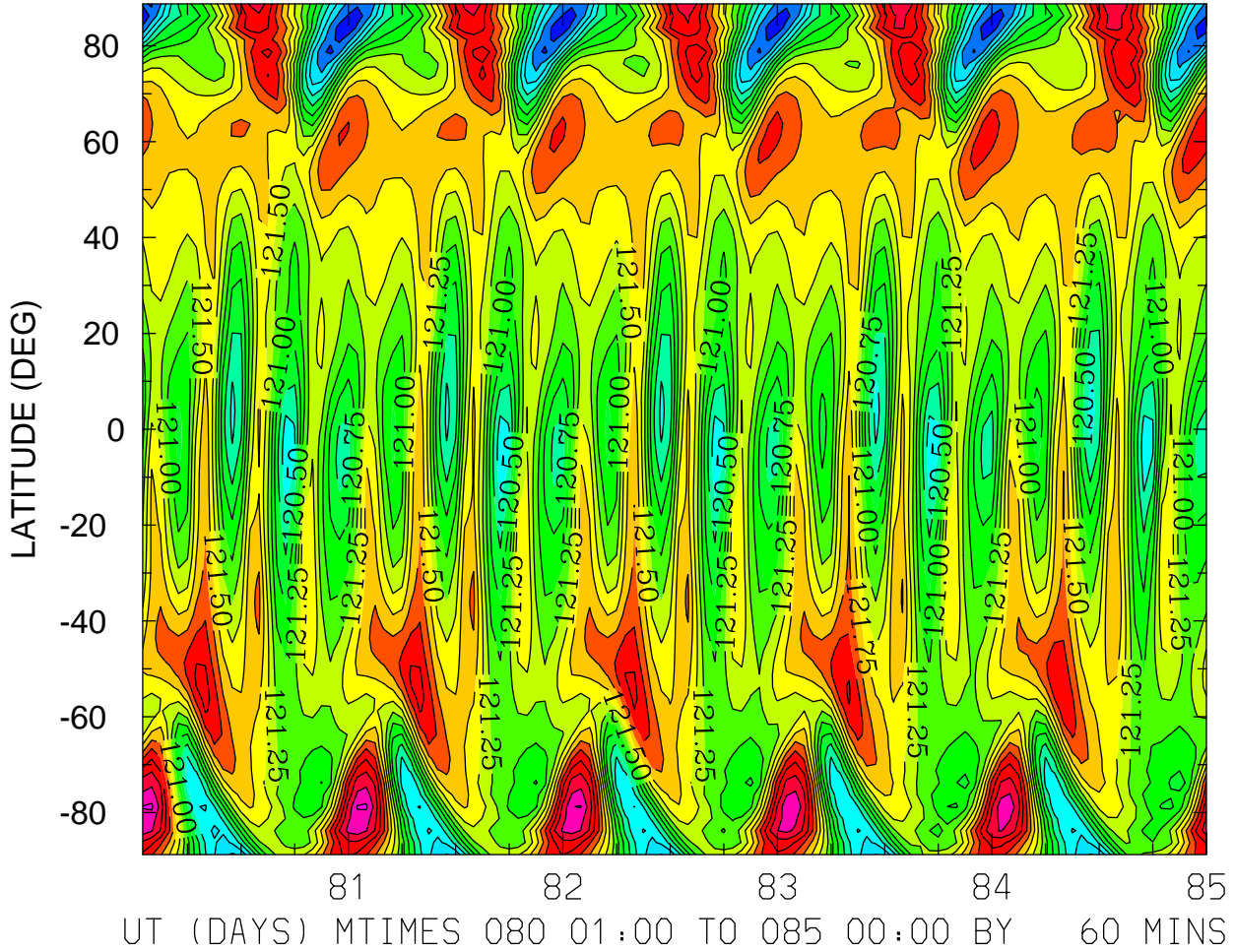
MIN,MAX= 2.8137E+05 1.8730E+06 INTERVAL= 1.0000E+05  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

GEOPOTENTIAL HEIGHT (KM)  
ZP = -4.000 LOCAL TIME = 0.00



MIN,MAX= 1.1895E+02 1.2360E+02 INTERVAL= 2.5000E-01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

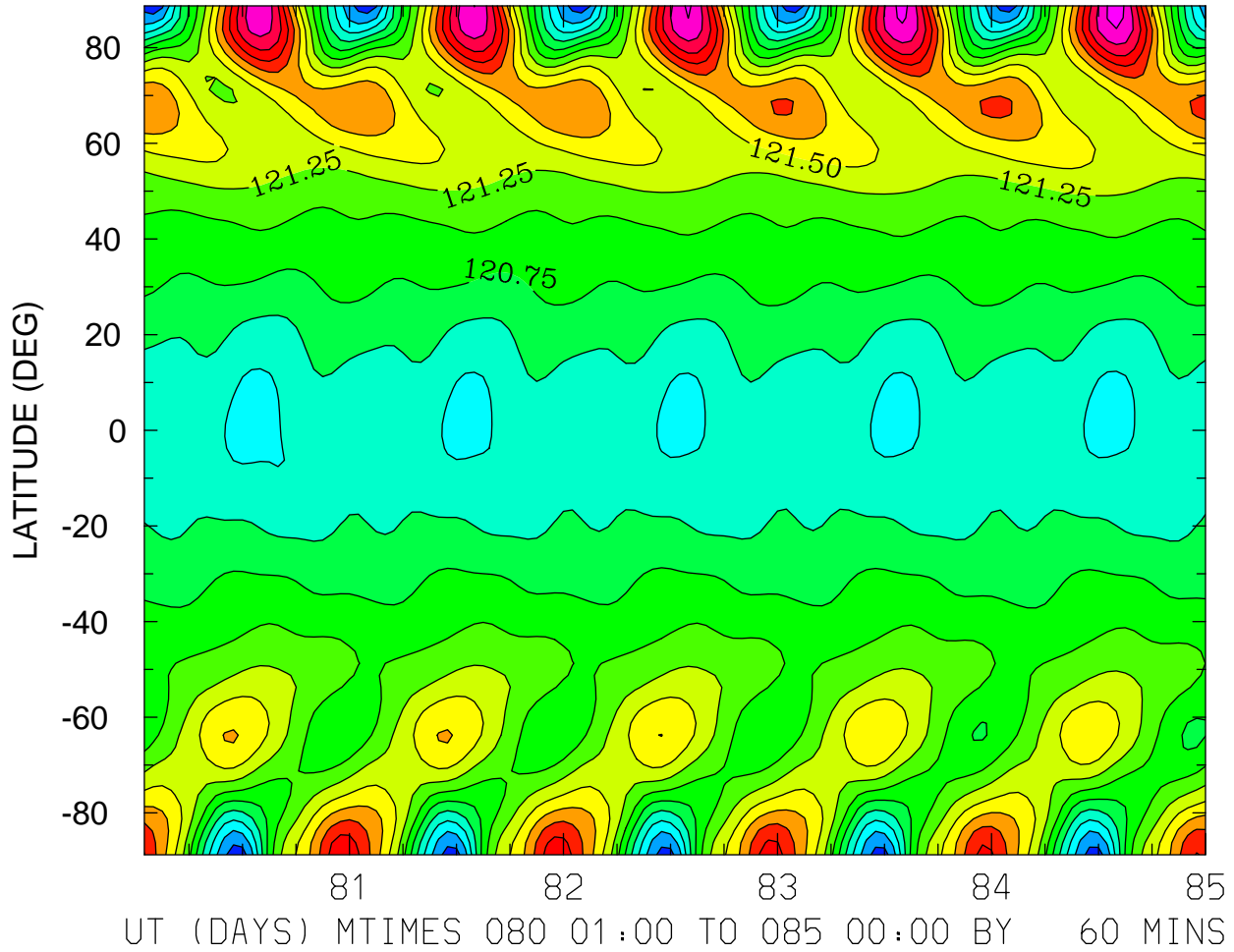
GEOPOTENTIAL HEIGHT (KM)  
ZP = -4.000 LOCAL TIME = 12.00



MIN,MAX= 1.1933E+02 1.2330E+02 INTERVAL= 2.5000E-01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

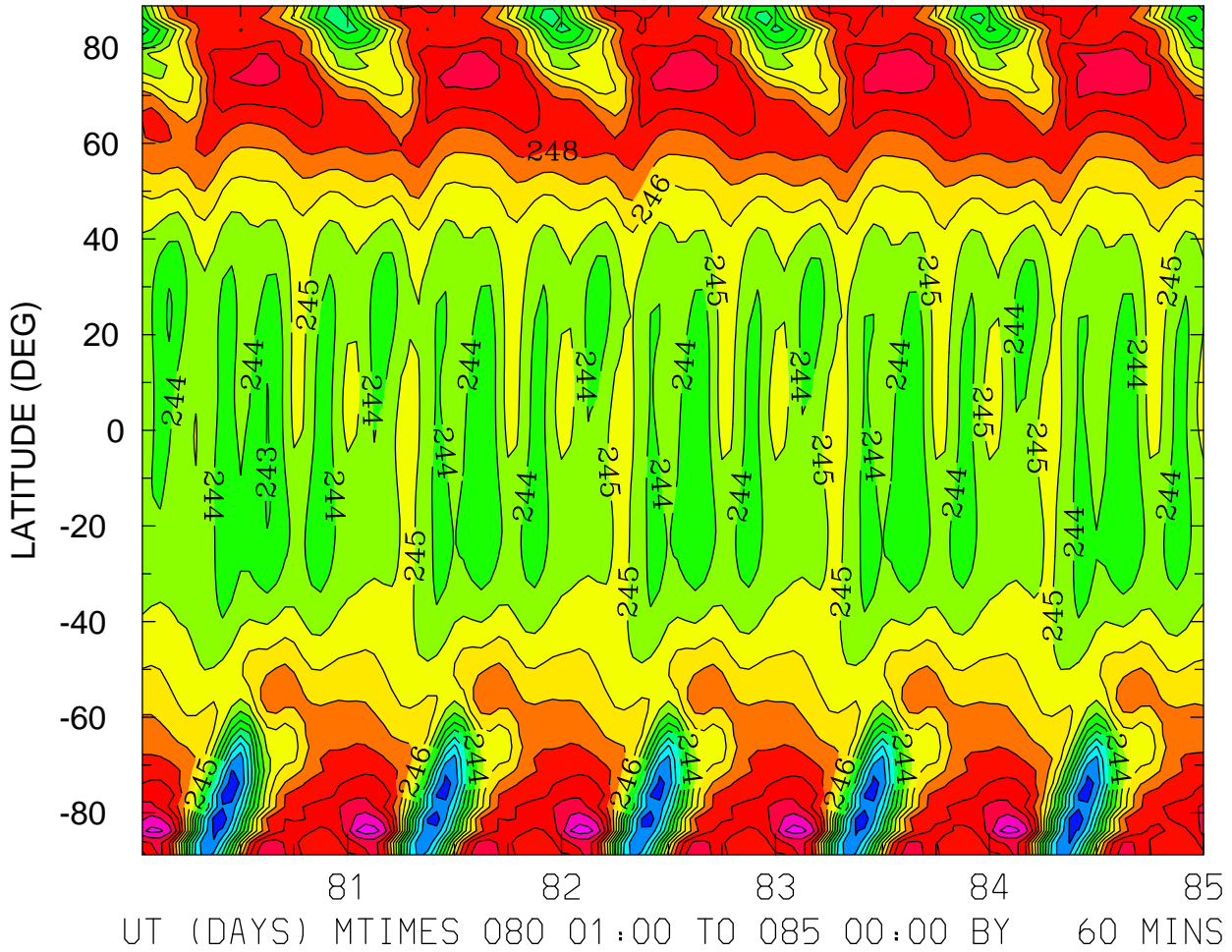


GEOPOTENTIAL HEIGHT (KM)  
ZP = -4.000 ZONAL MEANS



MIN,MAX= 1.1957E+02 1.2311E+02 INTERVAL= 2.5000E-01  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

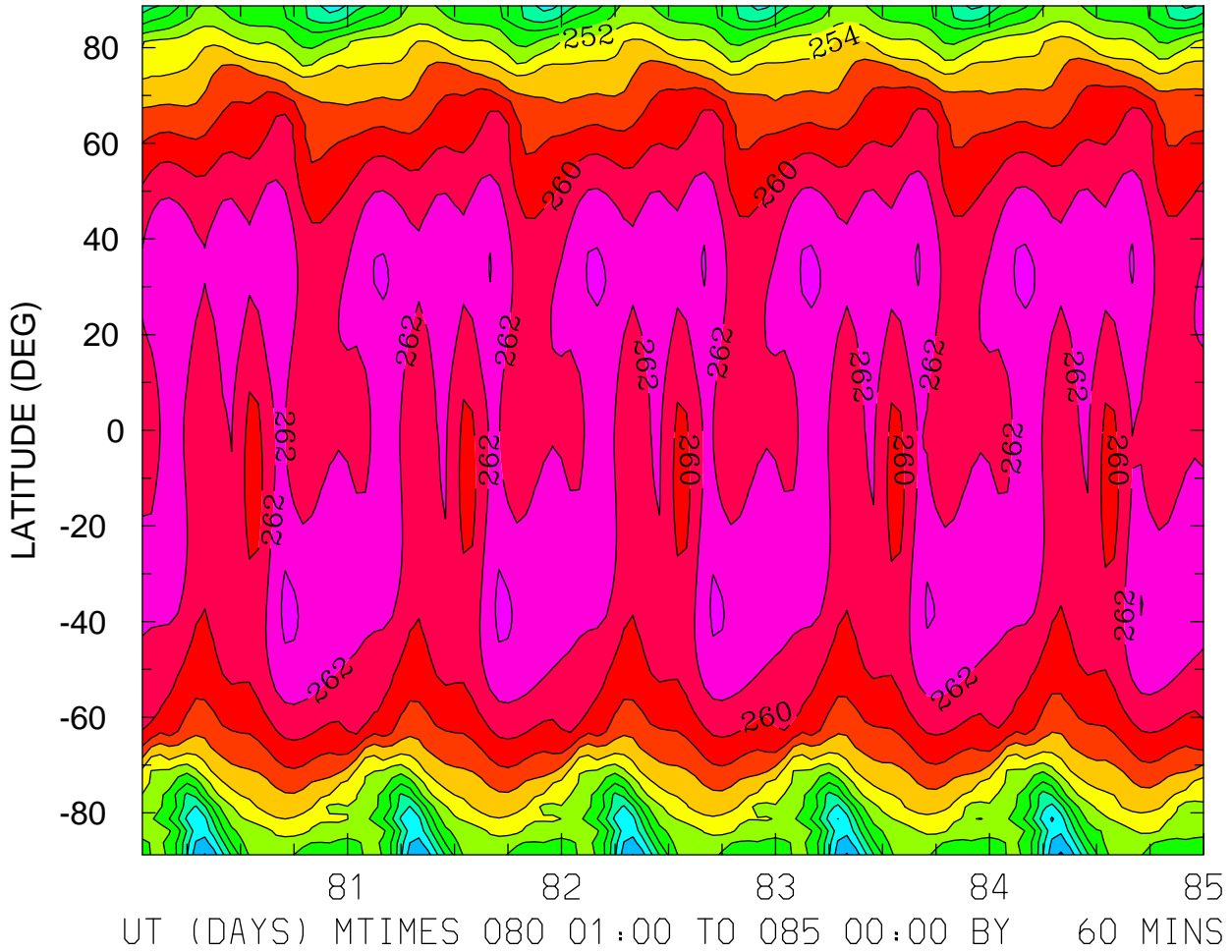
GEOPOTENTIAL HEIGHT (KM)  
ZP = 0.000 LOCAL TIME = 0.00



MIN,MAX= 2.3738E+02 2.5259E+02 INTERVAL= 1.0000E+00  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

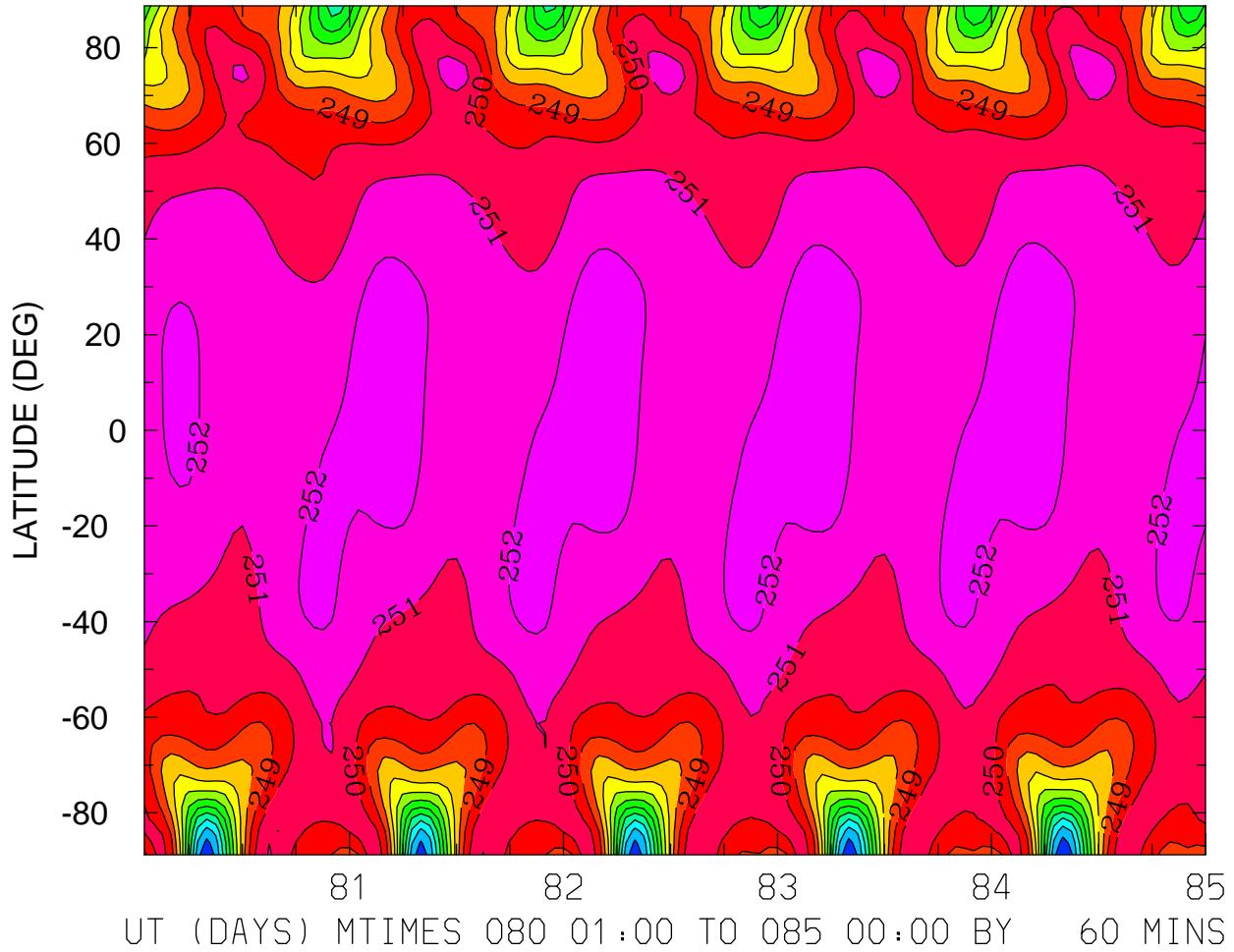


GEOPOTENTIAL HEIGHT (KM)  
ZP = 0.000 LOCAL TIME = 12.00



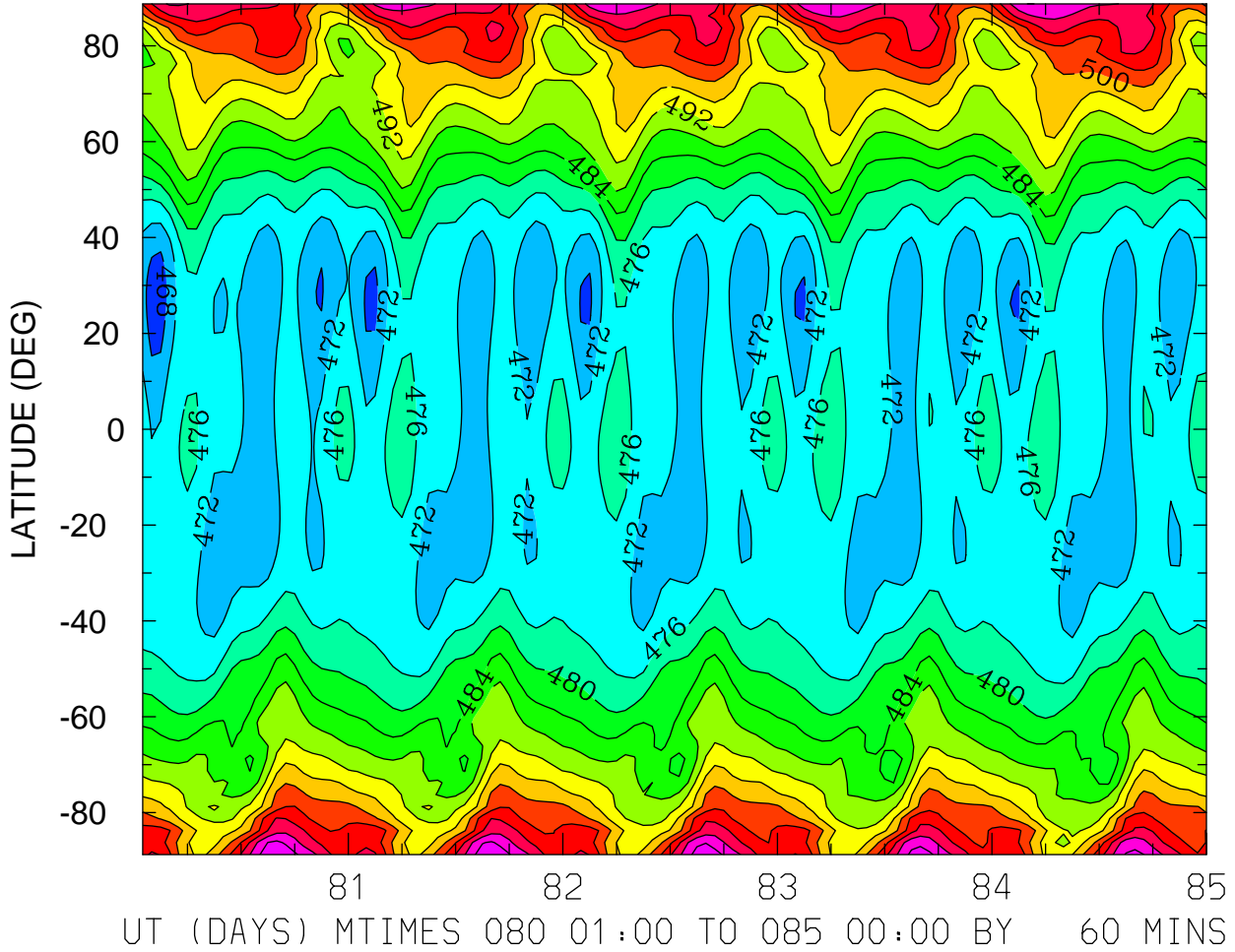
MIN,MAX= 2.3970E+02 2.6432E+02 INTERVAL= 2.0000E+00  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

GEOPOTENTIAL HEIGHT (KM)  
ZP = 0.000 ZONAL MEANS



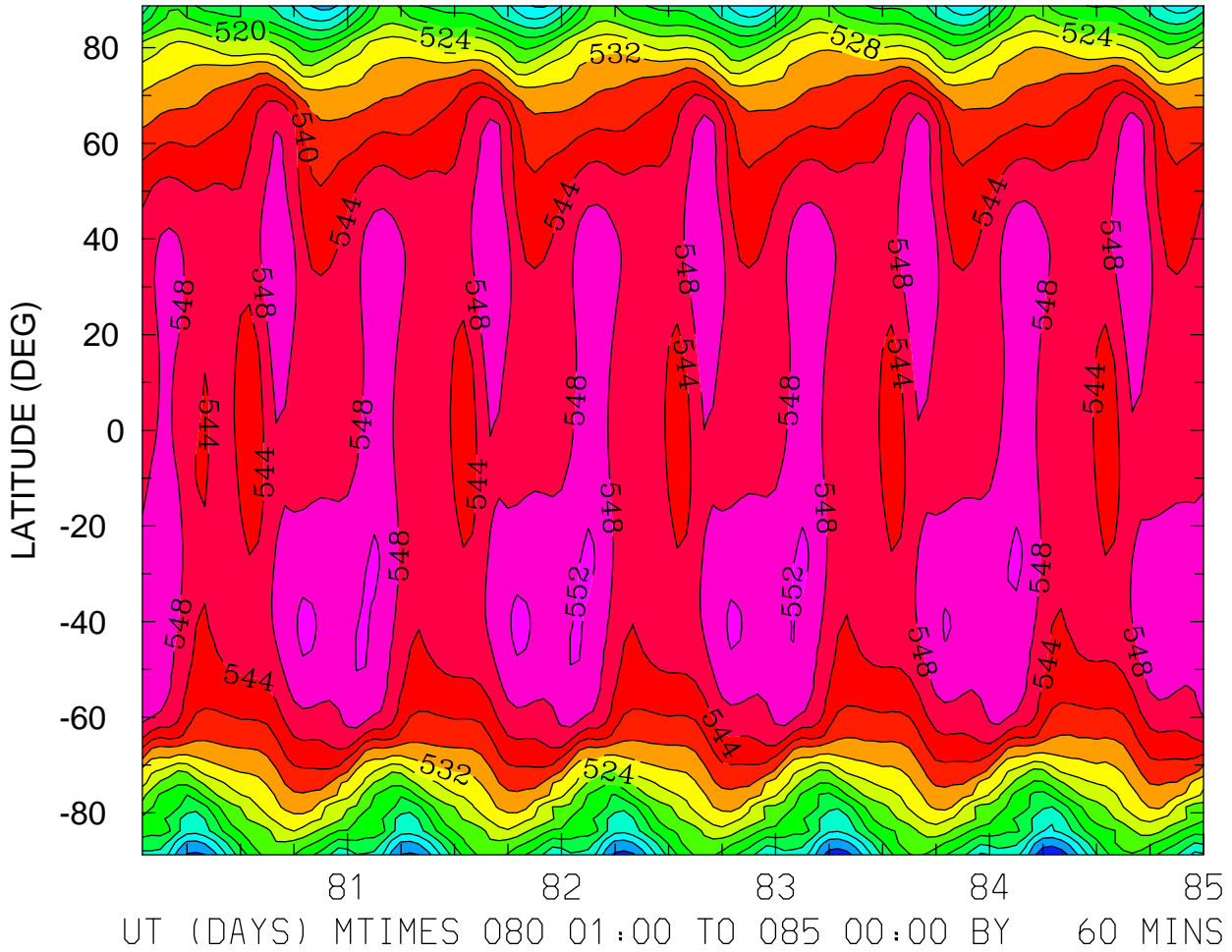
MIN,MAX= 2.3905E+02 2.5246E+02 INTERVAL= 1.0000E+00  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

GEOPOTENTIAL HEIGHT (KM)  
ZP = 4.000 LOCAL TIME = 0.00



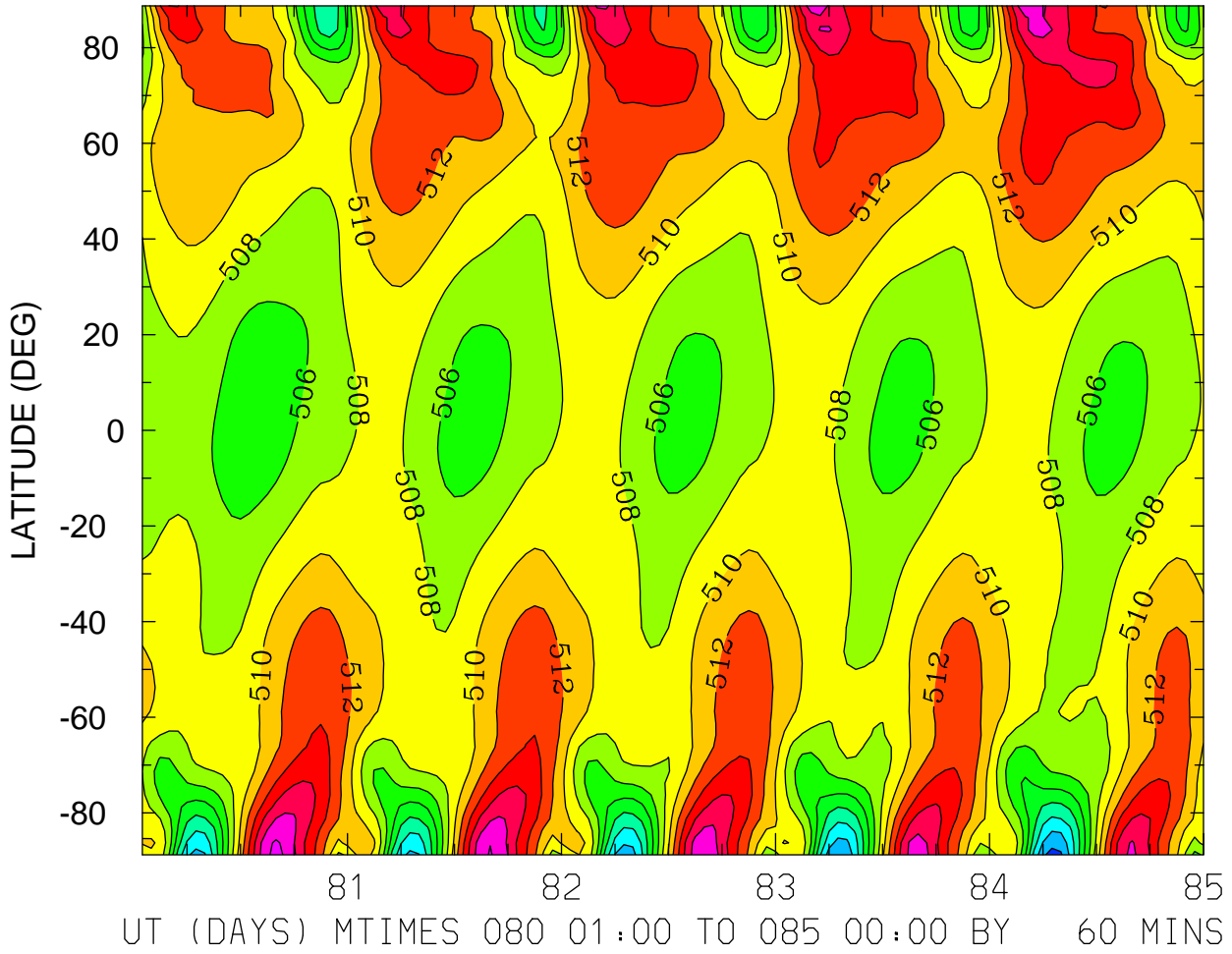
MIN,MAX= 4.6580E+02 5.1915E+02 INTERVAL= 4.0000E+00  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

GEOPOTENTIAL HEIGHT (KM)  
ZP = 4.000 LOCAL TIME = 12.00



MIN,MAX= 4.9714E+02 5.5255E+02 INTERVAL= 4.0000E+00  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc

GEOPOTENTIAL HEIGHT (KM)  
ZP = 4.000 ZONAL MEANS



MIN,MAX= 4.9527E+02 5.2047E+02 INTERVAL= 2.0000E+00  
FIRST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_001.nc  
LAST: tiegcm2.0\_res2.5\_mareqx\_smax\_sech\_005.nc