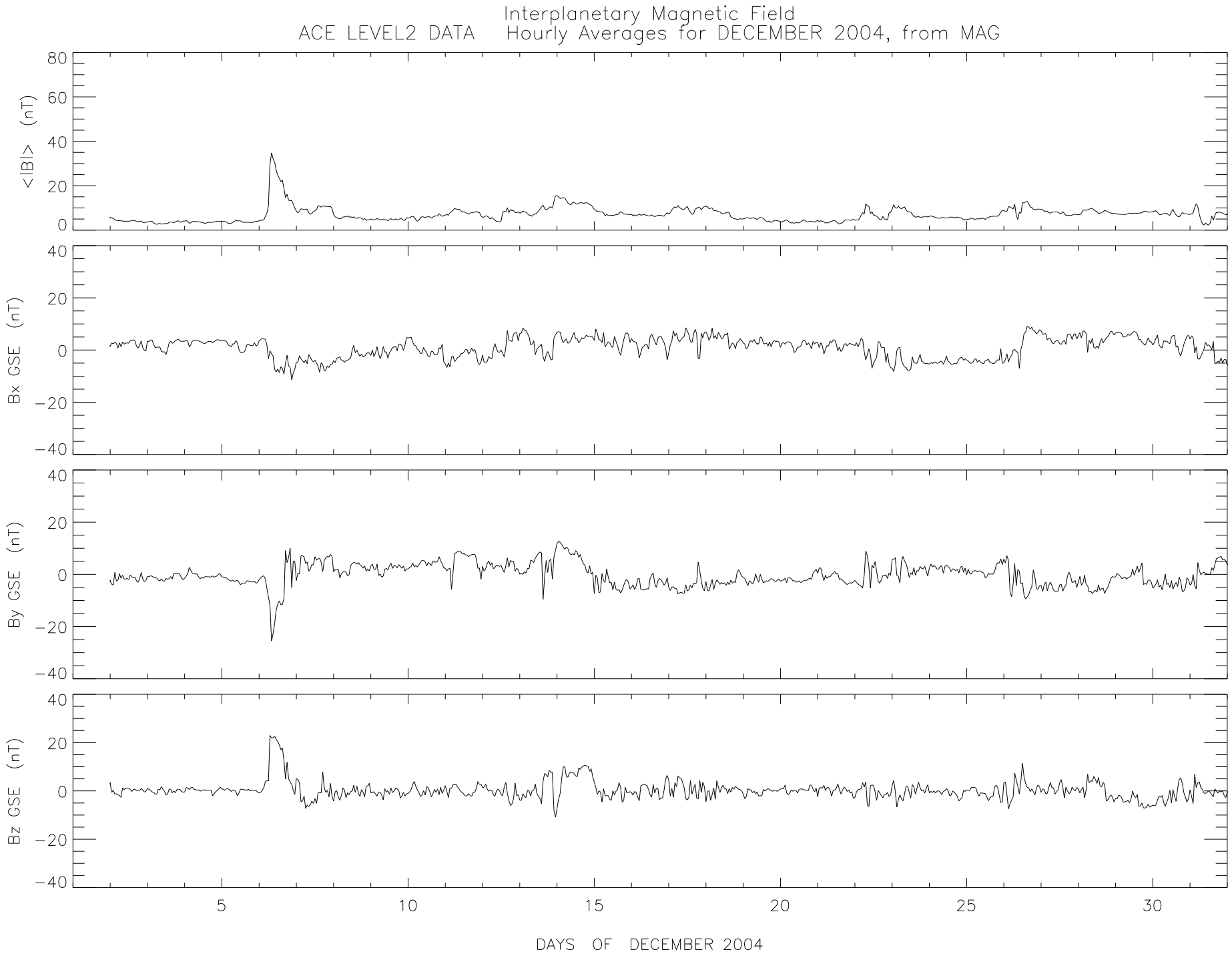
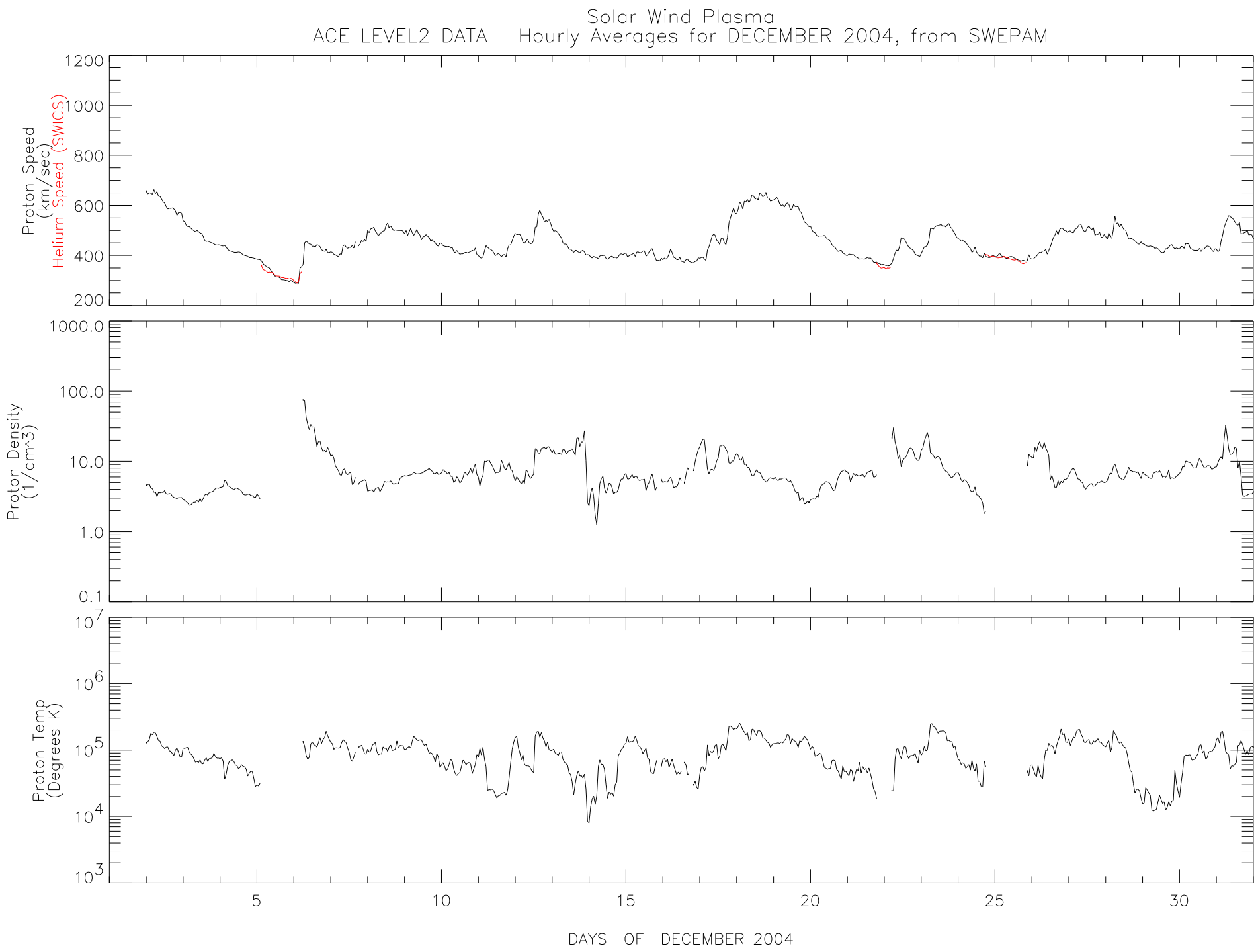

Interplanetary Magnetic Field
ACE LEVEL2 DATA Hourly Averages for DECEMBER 2004, from MAG
<|B|> (nT)
Bx GSE (nT)
By GSE (nT)
Bz GSE (nT)
80
60
40
20
0
−20
−40
5
10
15
20
25
30
DAYS OF DECEMBER 2004


Solar Wind Plasma
ACE LEVEL2 DATA Hourly Averages for DECEMBER 2004, from SWEPAM
Proton Speed (km/sec)
Helium Speed (SWICS)
1200
1000
800
600
400
200
Proton Density (1/cm^3)
1000.0
100.0
10.0
1.0
0.1
Proton Temp (Degrees K)
10^7
10^6
10^5
10^4
10^3
5
10
15
20
25
30
DAYS OF DECEMBER 2004

Solar Energetic Particles
ACE LEVEL2 DATA Hourly Averages for DECEMBER 2004

Ions (1/(cm2 s sr MeV))
(0.065−0.112) (0.310−0.580)
(1.060−1.910)

ACE/EPAM

Electrons (1/(cm2 s sr MeV))
(0.053−0.103) (0.175−0.315)

ACE/EPAM

Carbon (1/(cm2 s sr MeV/nuc))
(6−18) (18−54)
Helium(6−18)

ACE/SIS

DAYS OF DECEMBER 2004