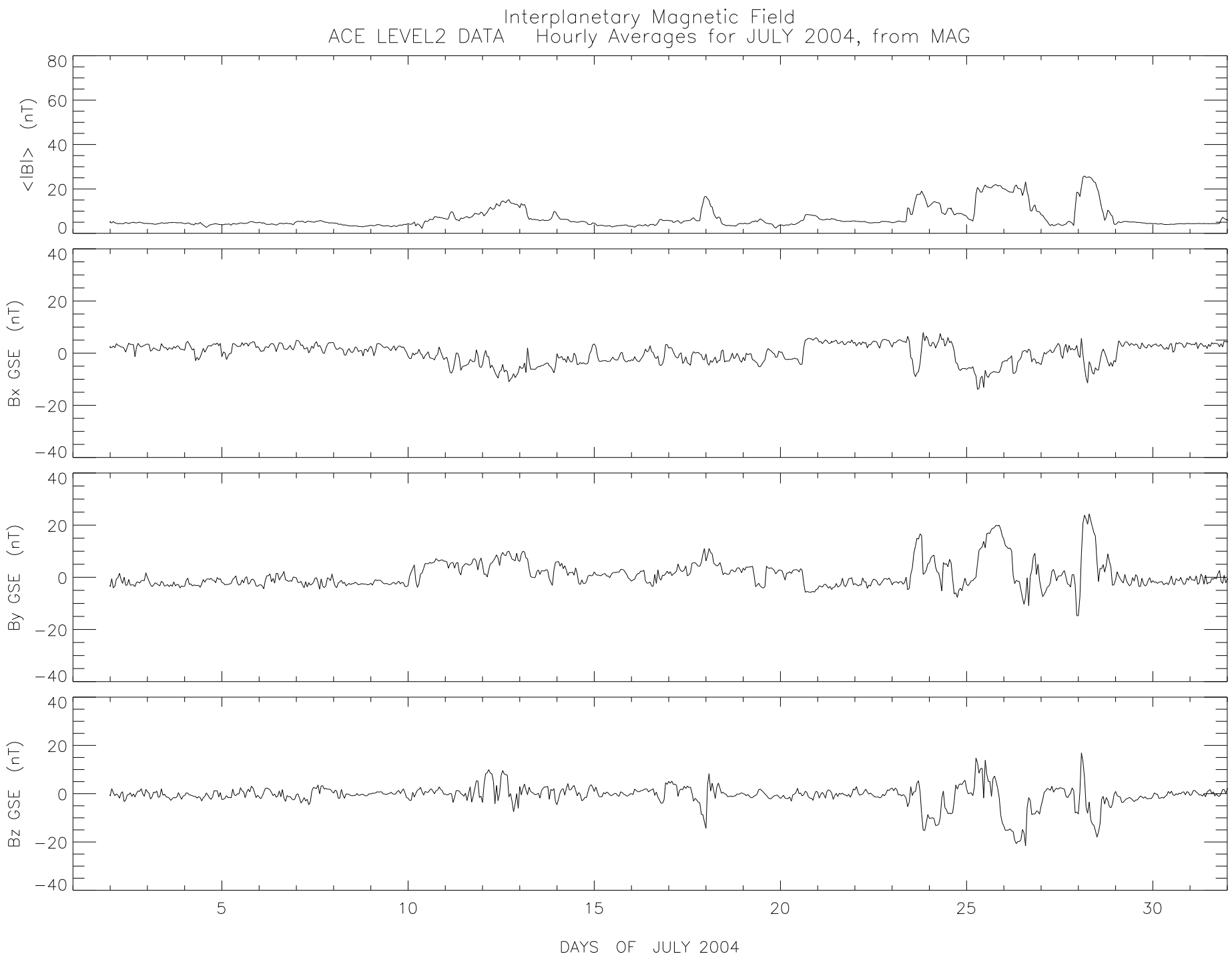
Interplanetary Magnetic Field
ACE LEVEL2 DATA Hourly Averages for JULY 2004, from MAG
<|B|> (nT)
Bx GSE (nT)
By GSE (nT)
Bz GSE (nT)
80
60
40
20
0
−20
−40
5
10
15
20
25
30
DAYS OF JULY 2004

ACE LEVEL2 DATA
Solar Wind Plasma
Hourly Averages for JULY 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 JULY 2004

Solar Energetic Particles
ACE LEVEL2 DATA Hourly Averages for JULY 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 JULY 2004