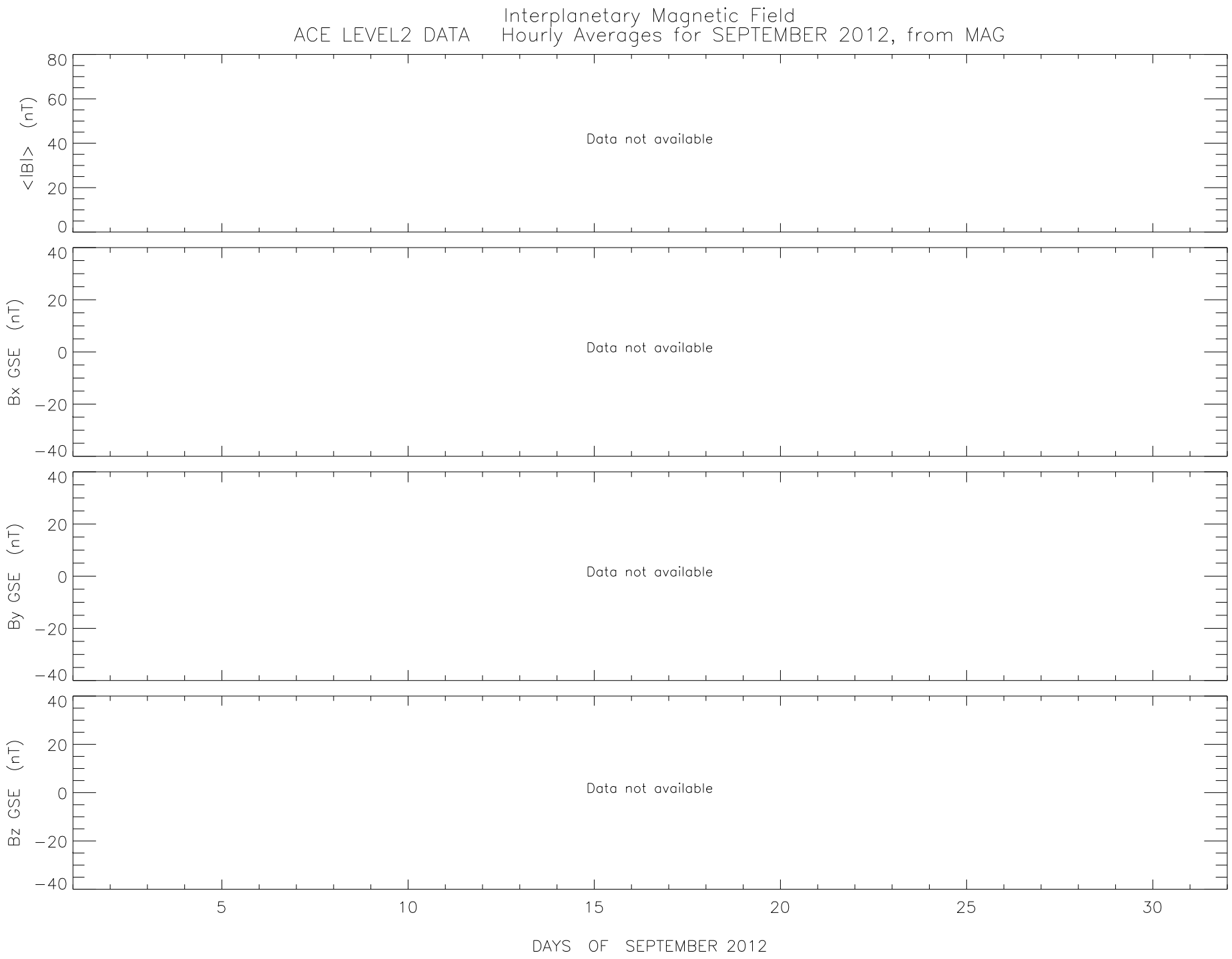
Interplanetary Magnetic Field
ACE LEVEL2 DATA Hourly Averages for SEPTEMBER 2012, from MAG
<|B|> (nT)
Data not available
Bx GSE (nT)
Data not available
By GSE (nT)
Data not available
Bz GSE (nT)
Data not available
80
60
40
20
0
40
20
0
−20
−40
5
10
15
20
25
30
DAYS OF SEPTEMBER 2012

ACE LEVEL2 DATA Hourly Averages for SEPTEMBER 2012, from SWEPAM

Solar Wind Plasma

Proton Speed (km/sec)
Helium Speed (SWICS)

1200
1000
800
600
400
200

Data not available

Proton Density (1/cm^3)

1000.0
100.0
10.0
1.0
0.1

Data not available

Proton Temp (Degrees K)

10^7
10^6
10^5
10^4
10^3

Data not available

5
10
15
20
25
30

DAYS OF SEPTEMBER 2012

Solar Energetic Particles
ACE LEVEL2 DATA Hourly Averages for SEPTEMBER 2012

ACE/EPAM

Data not available

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

ACE/EPAM

Data not available

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

ACE/SIS

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

DAYS OF SEPTEMBER 2012