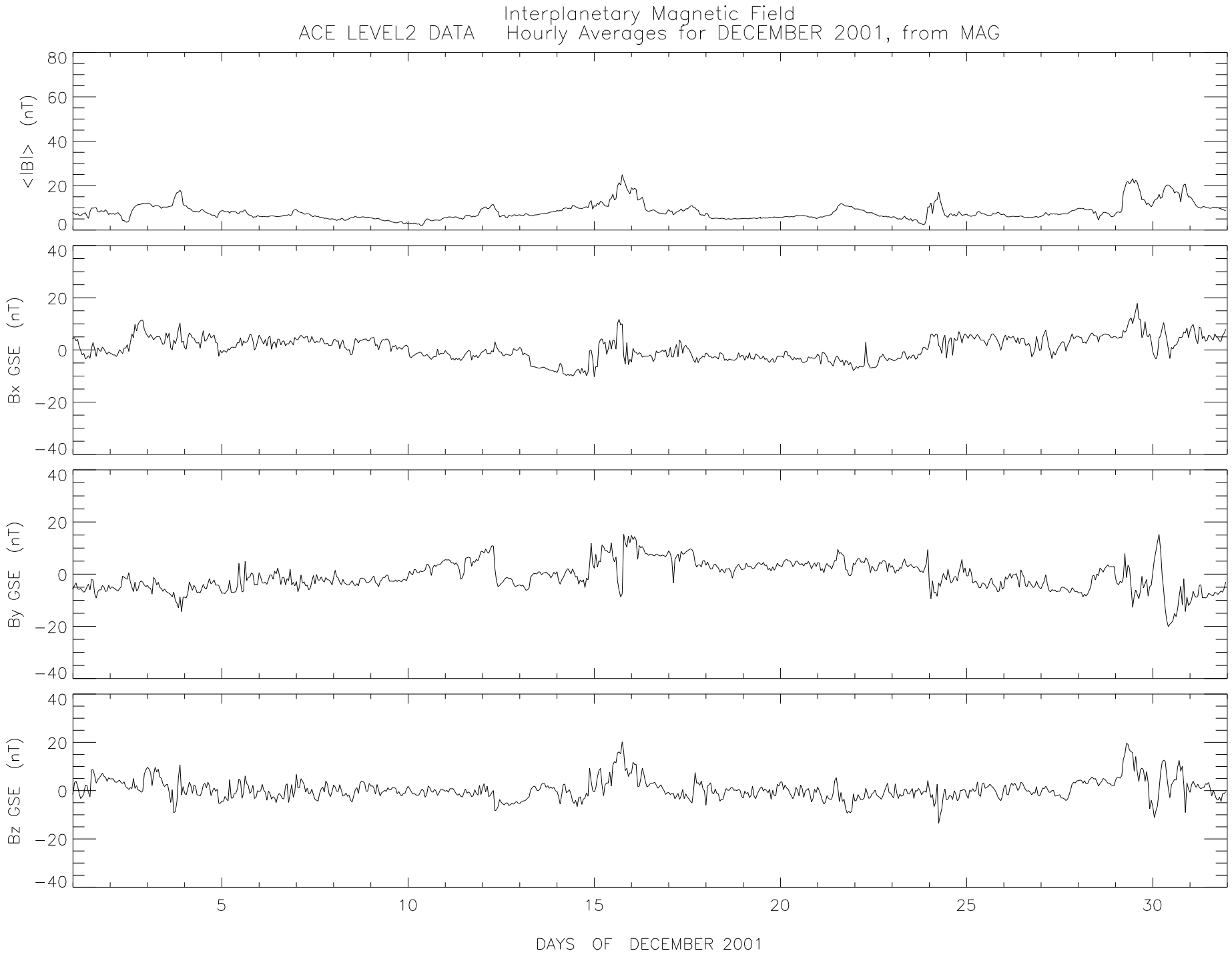
Interplanetary Magnetic Field
ACE LEVEL2 DATA Hourly Averages for DECEMBER 2001, from MAG
<|B|> (nT)
Bx GSE (nT)
By GSE (nT)
Bz GSE (nT)
80
60
40
20
0
40
20
0
−20
−40
5
10
15
20
25
30
DAYS OF DECEMBER 2001

ACE LEVEL2 DATA Hourly Averages for DECEMBER 2001, from SWEPAM
Solar Wind Plasma
Proton Speed (km/sec)
Helium Speed (SWICS)
Proton Density (1/cm^3)
Proton Temp (Degrees K)
DAYS OF DECEMBER 2001

Solar Energetic Particles
ACE LEVEL2 DATA Hourly Averages for DECEMBER 2001

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 2001