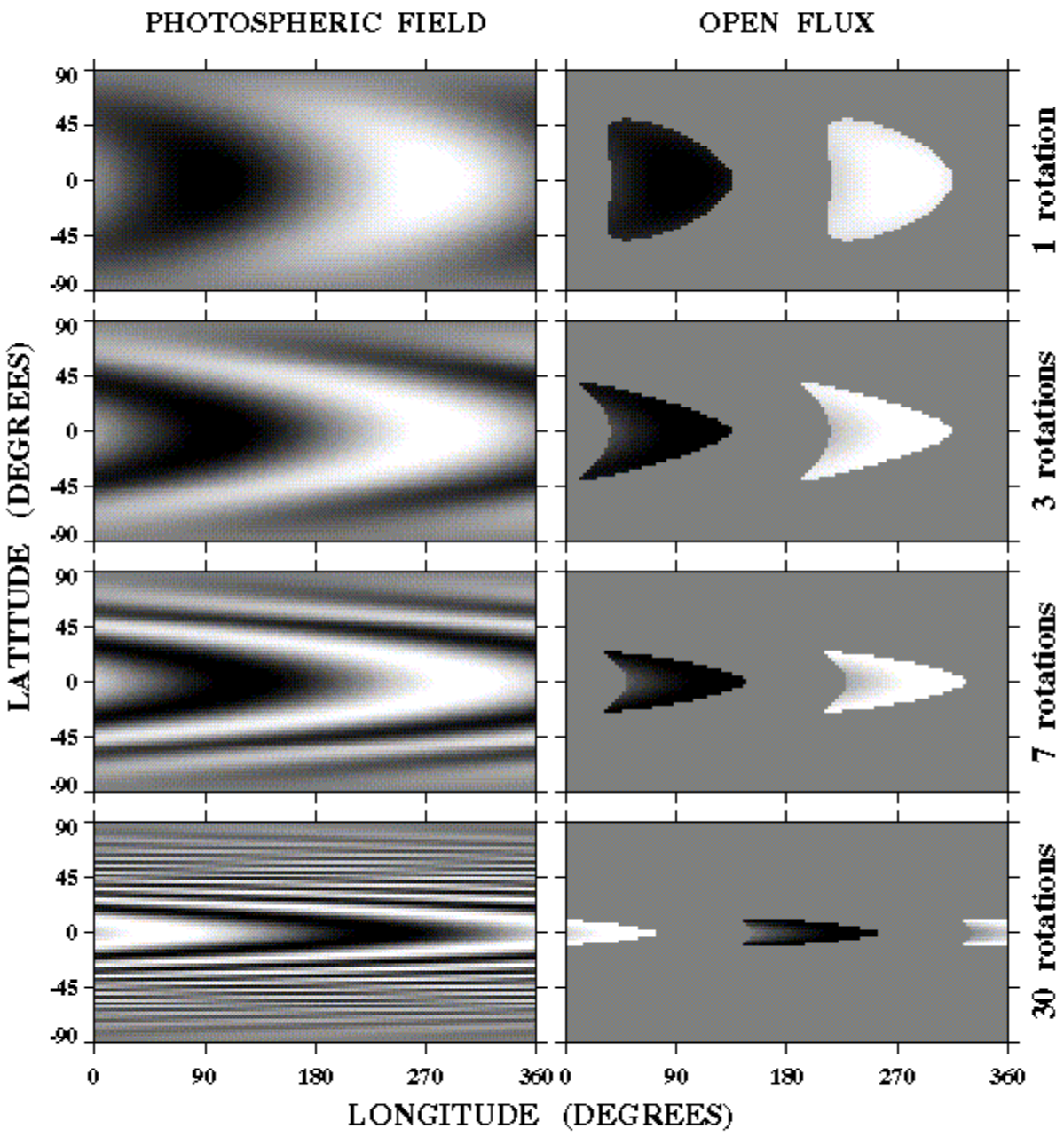
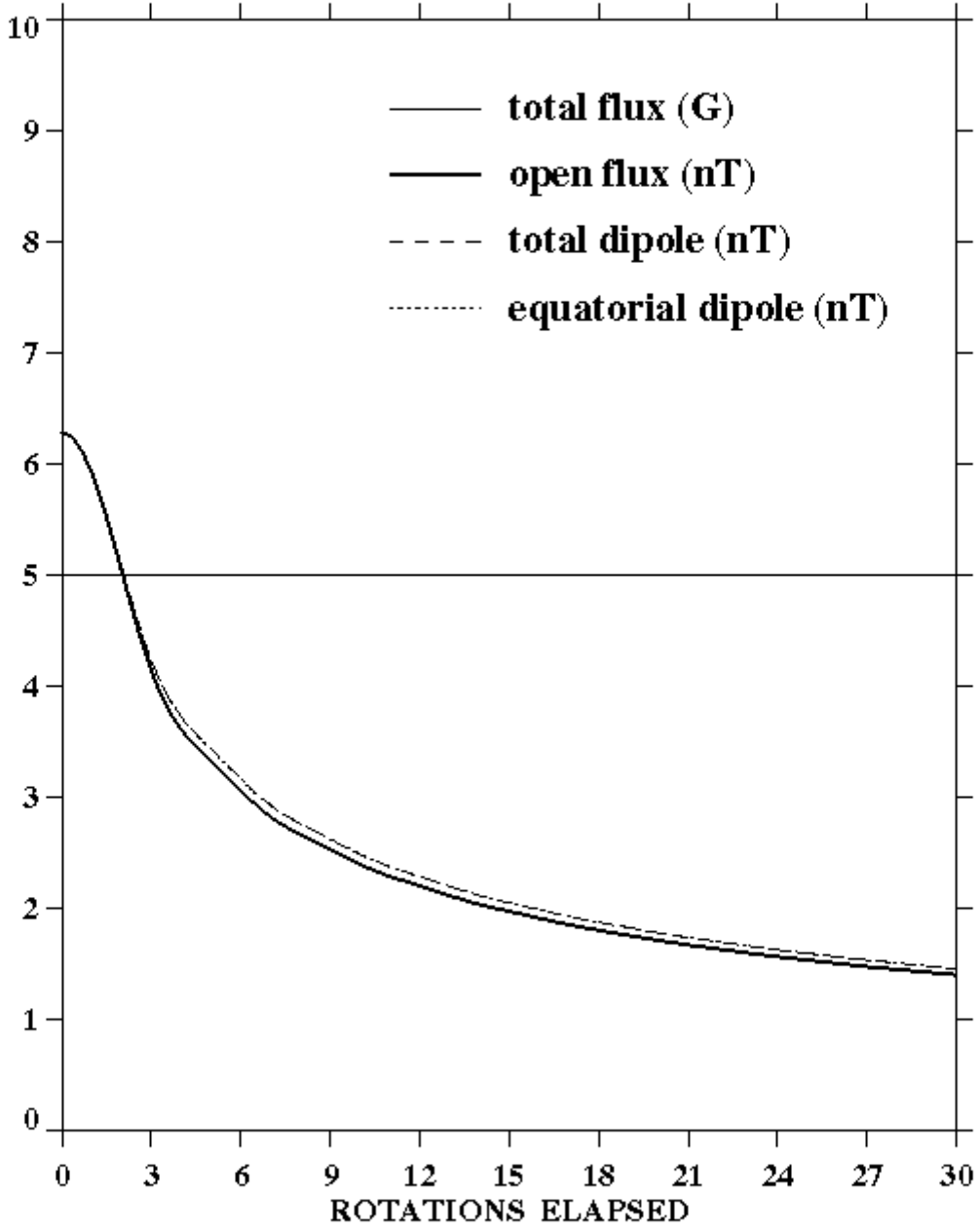
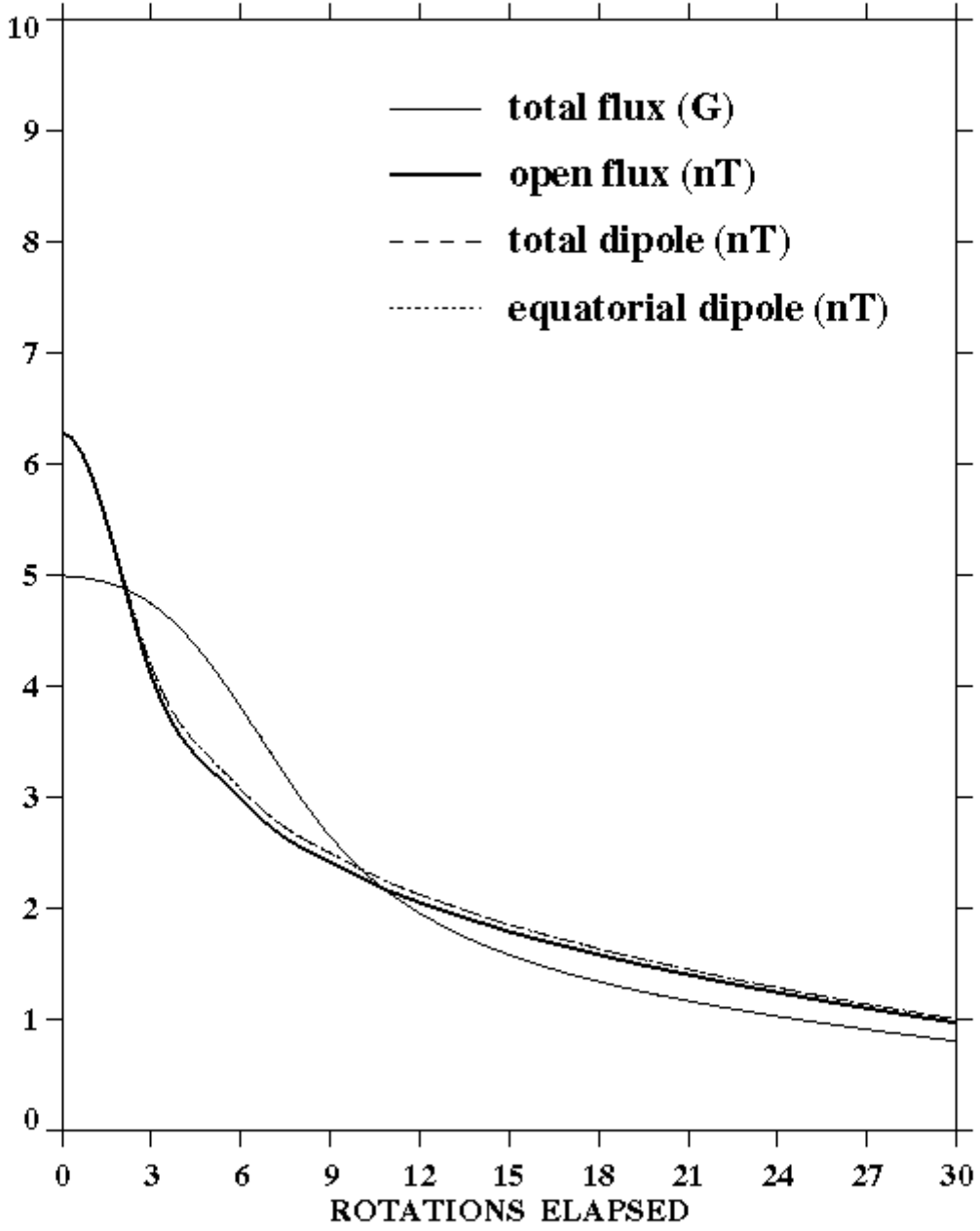
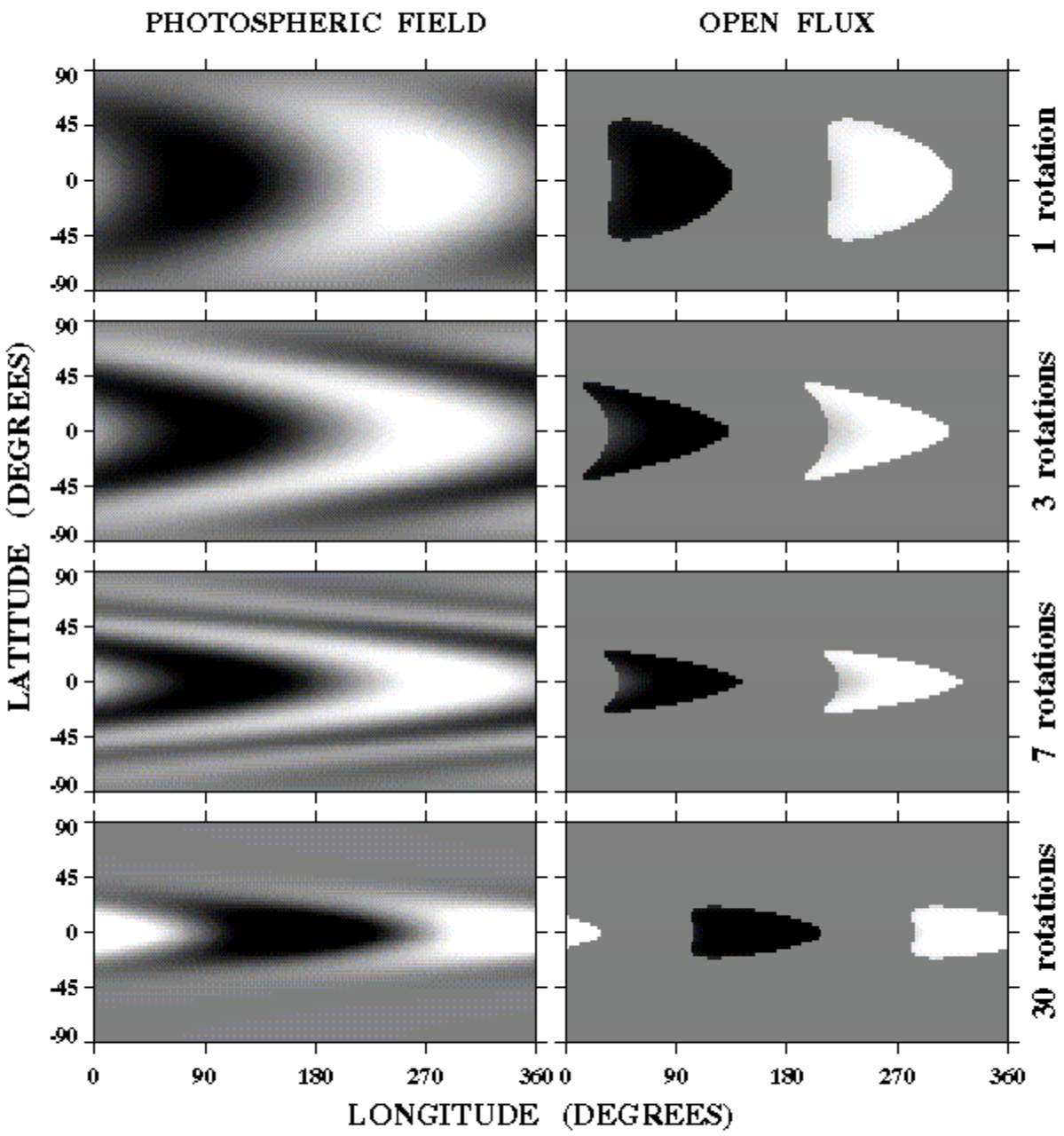

PHOTOSPHERIC FIELD
OPEN FLUX
LATTITUDE (DEGREES)
LONGITUDE (DEGREES)
90
45
0
-45
-90
0
90
180
270
360
1 rotation
3 rotations
7 rotations
30 rotations

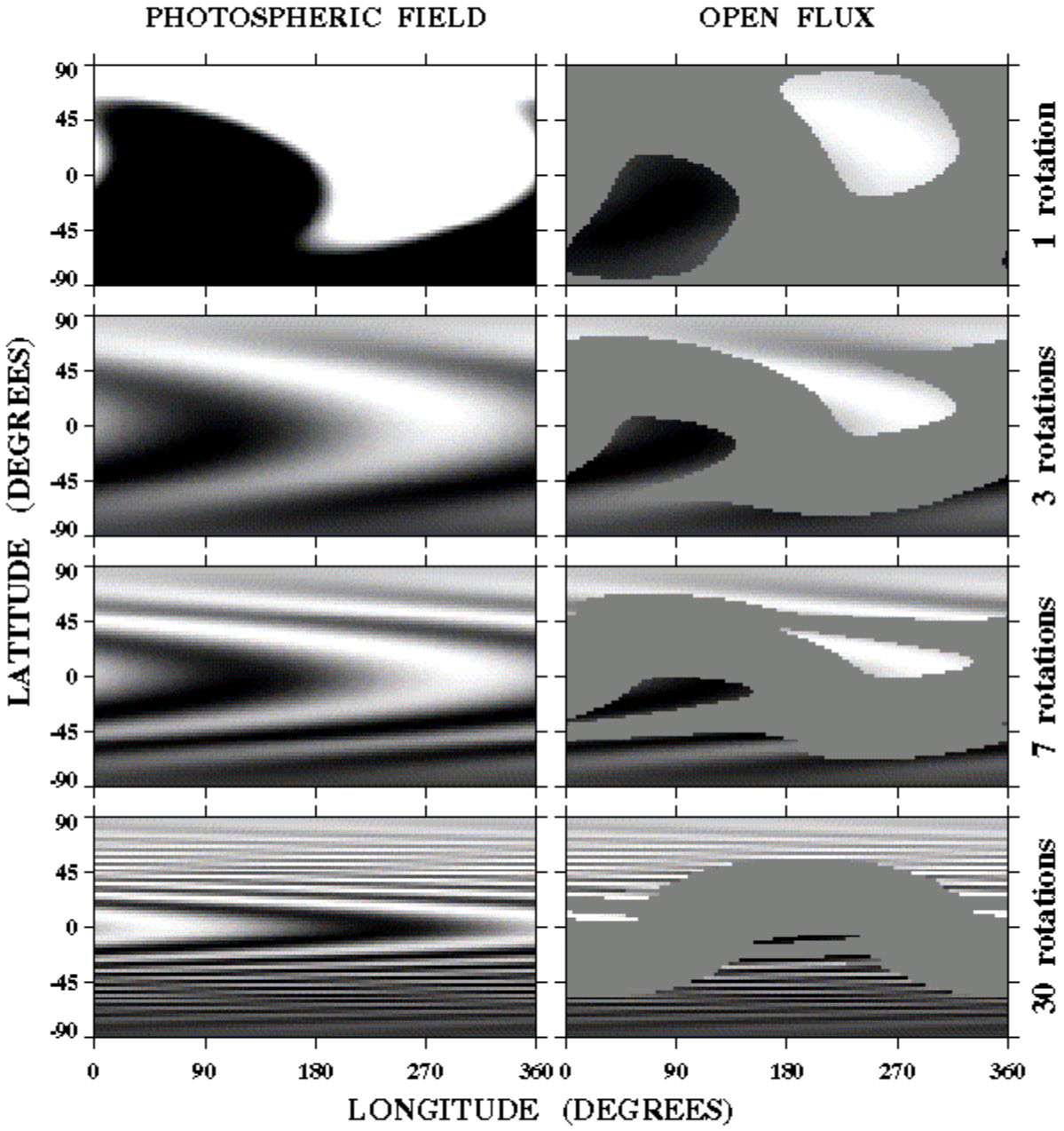
HORIZONTAL DIPOLE - ROTATION ONLY



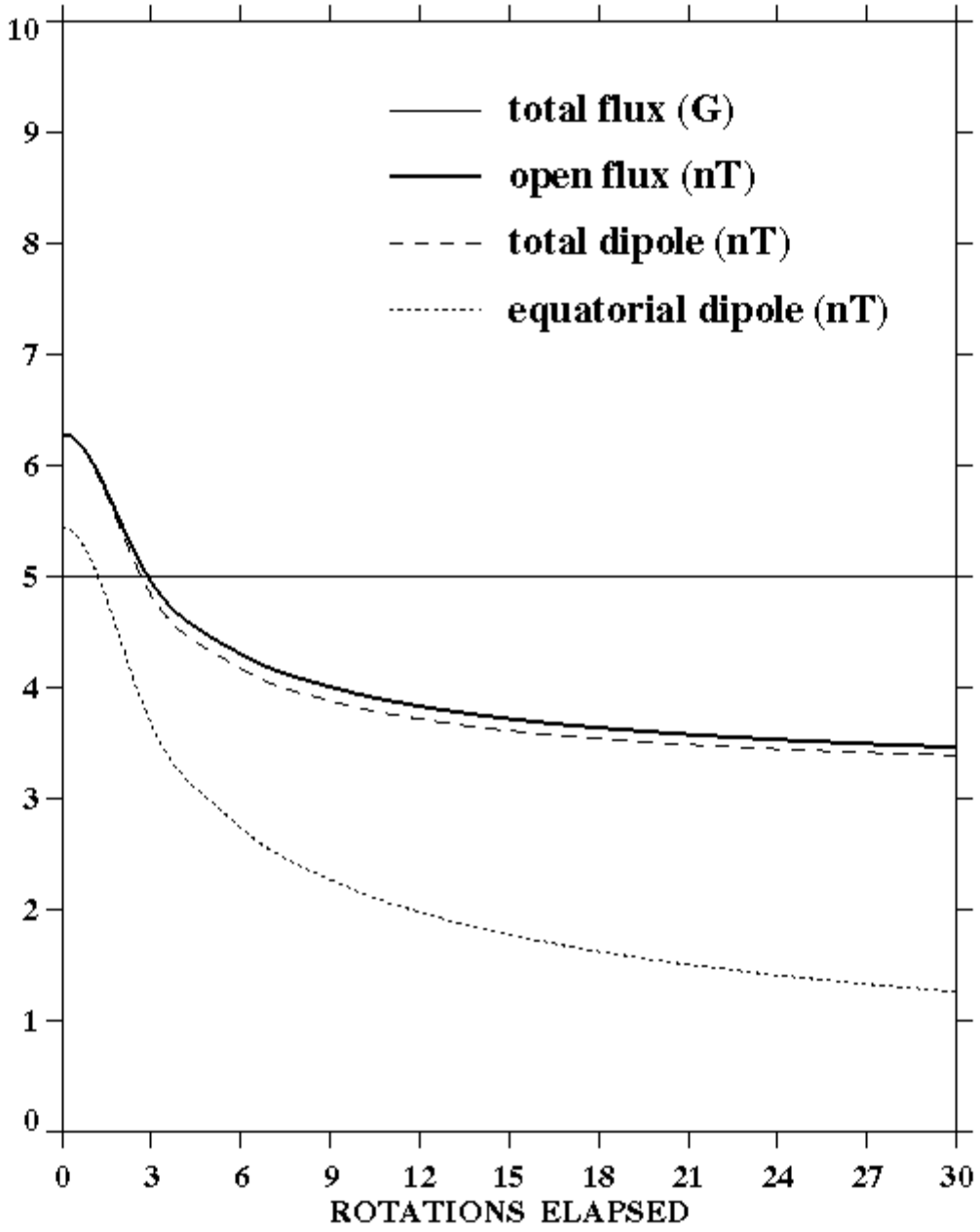
HORIZONTAL DIPOLE - DIFFUSION



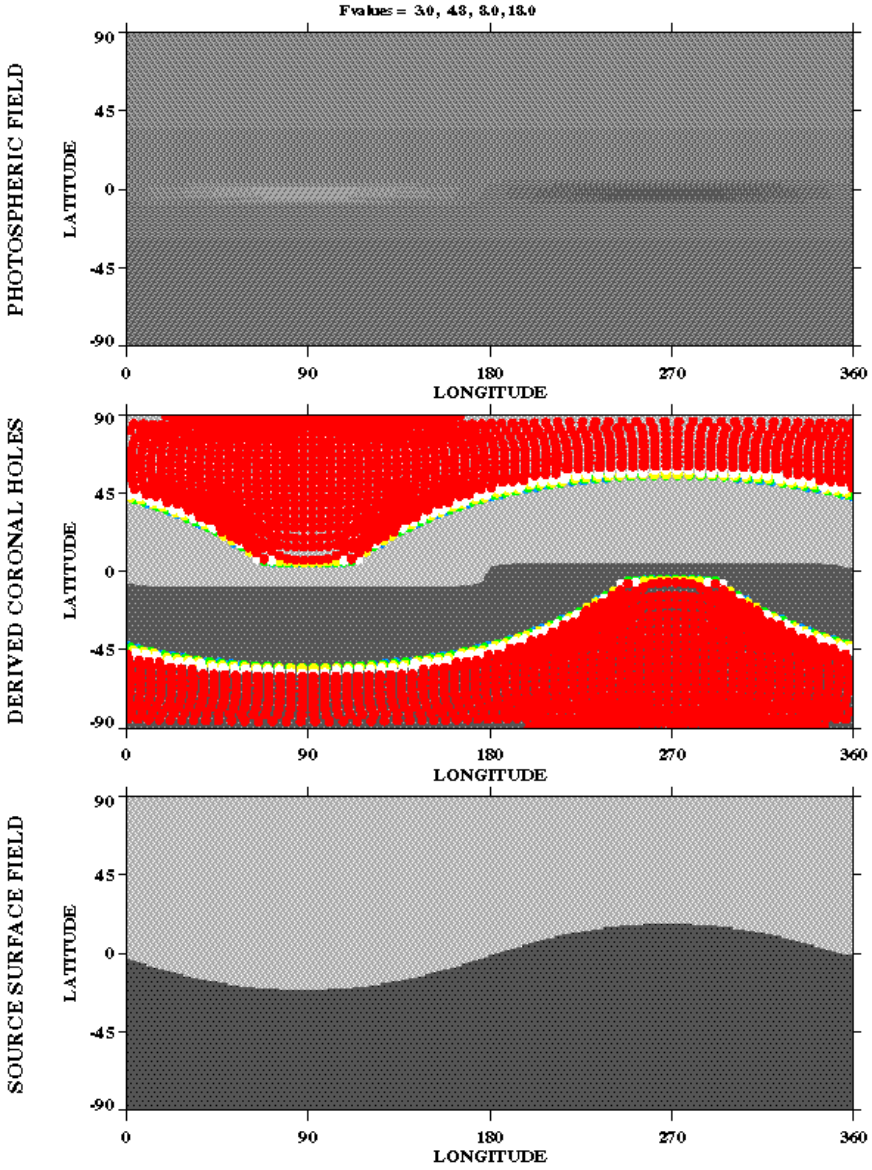

PHOTOSPHERIC FIELD
OPEN FLUX
LATITUDE (DEGREES)
LONGITUDE (DEGREES)
90
45
0
-45
-90
0
90
180
270
360
1 rotation
3 rotations
7 rotations
30 rotations

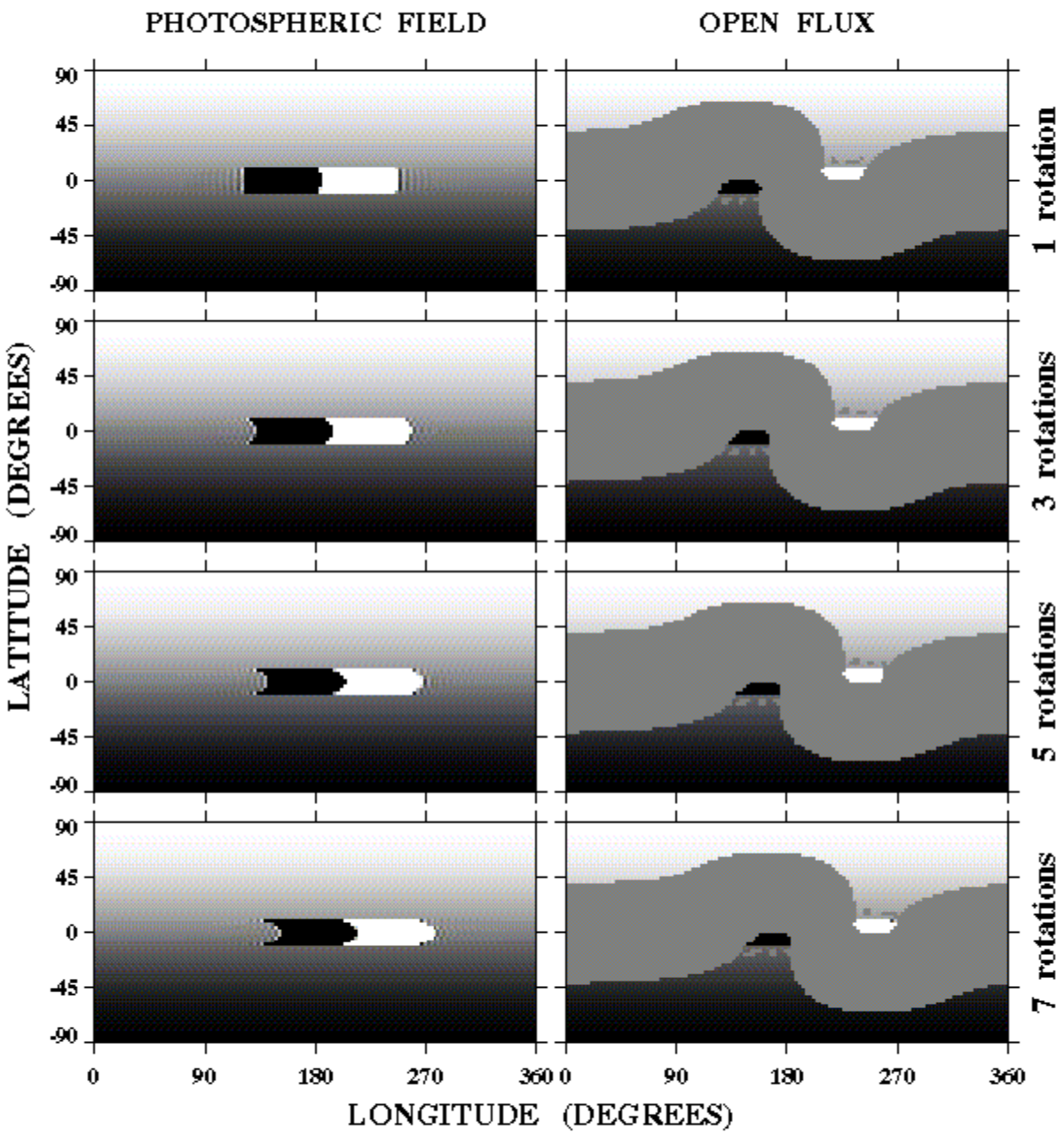

PHOTOSPHERIC FIELD
OPEN FLUX
1 rotation
3 rotations
7 rotations
30 rotations
LATTITUDE (DEGREES)
LONGITUDE (DEGREES)
90
45
0
-45
-90
0
90
180
270
360

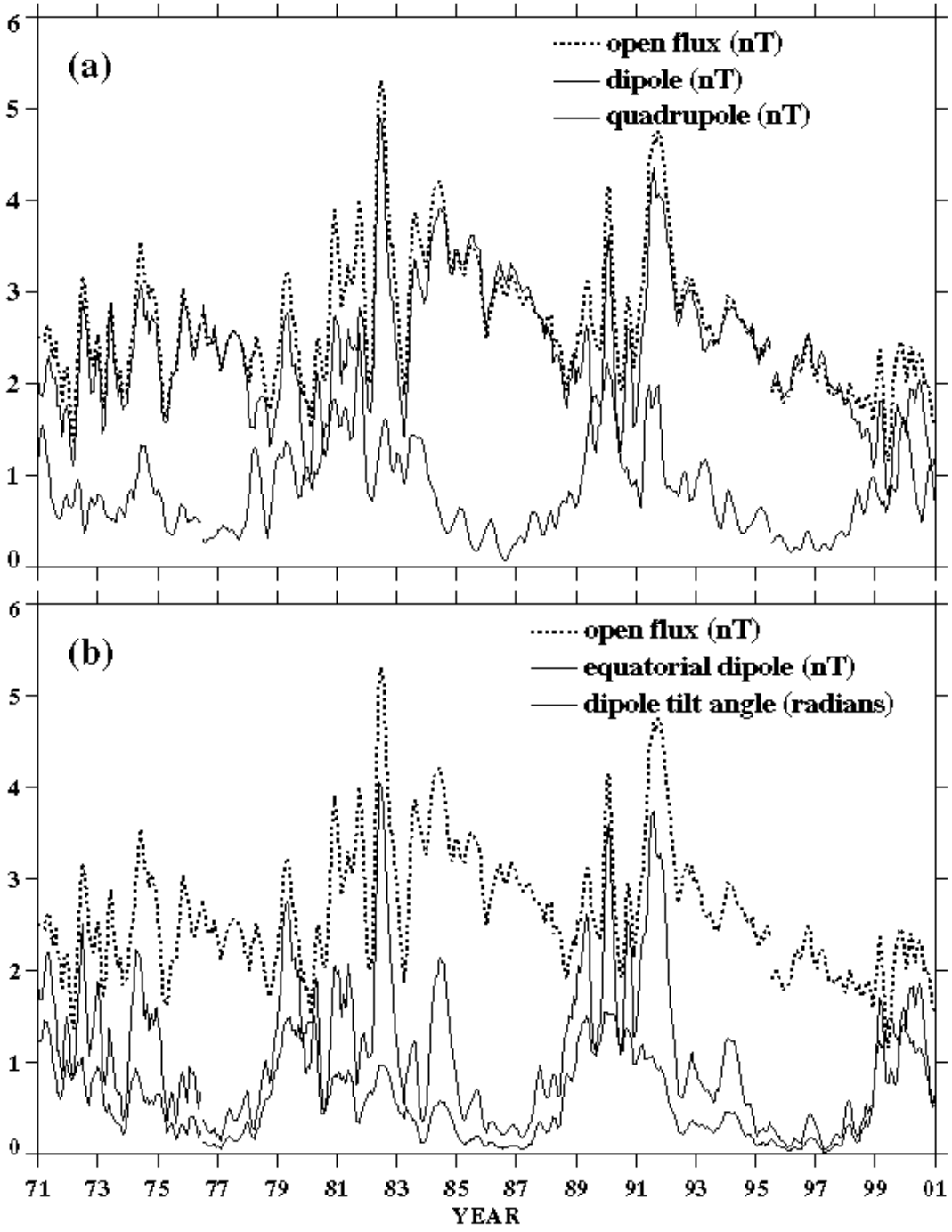
60 DEG TILTED DIPOLE - ROTATION ONLY

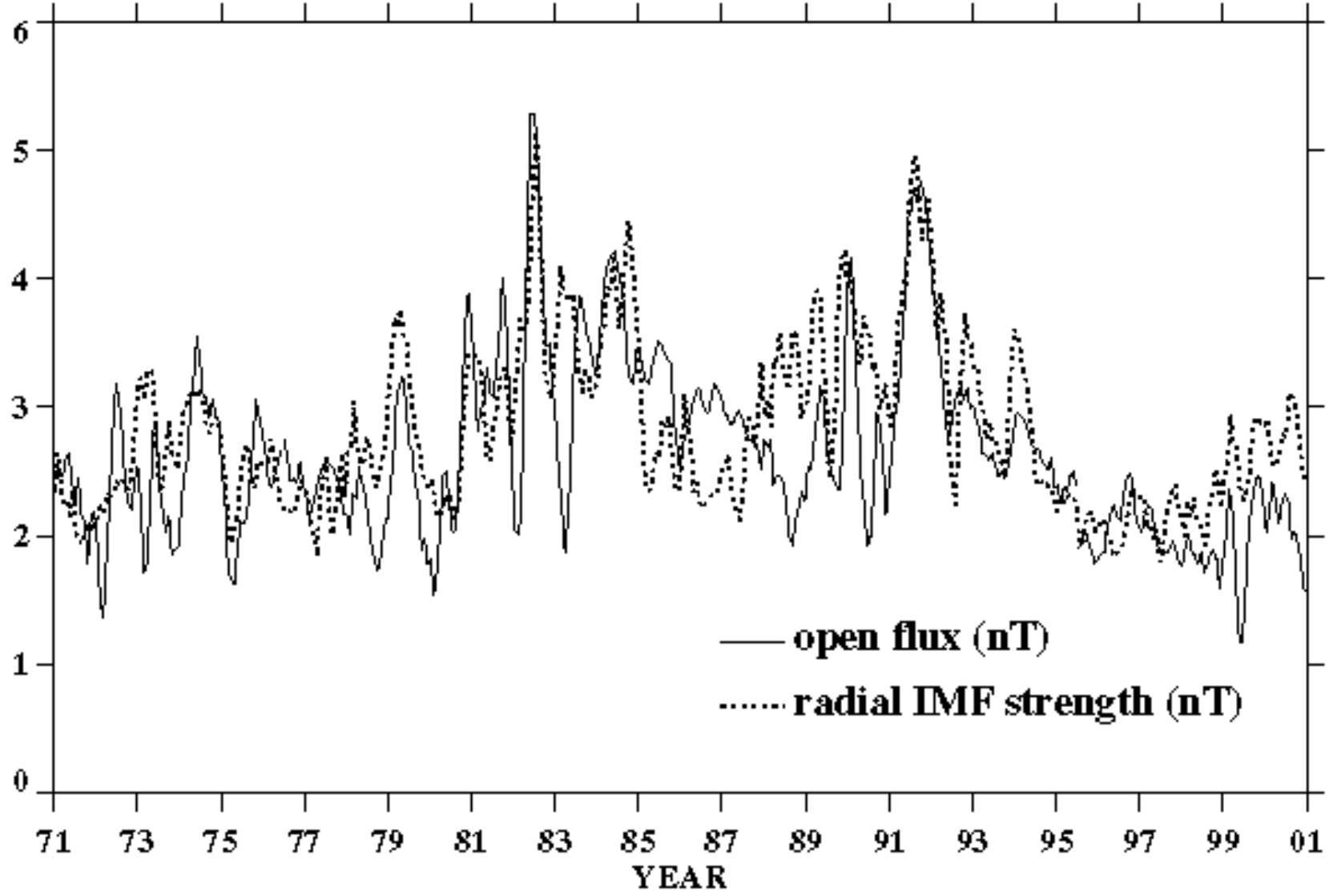


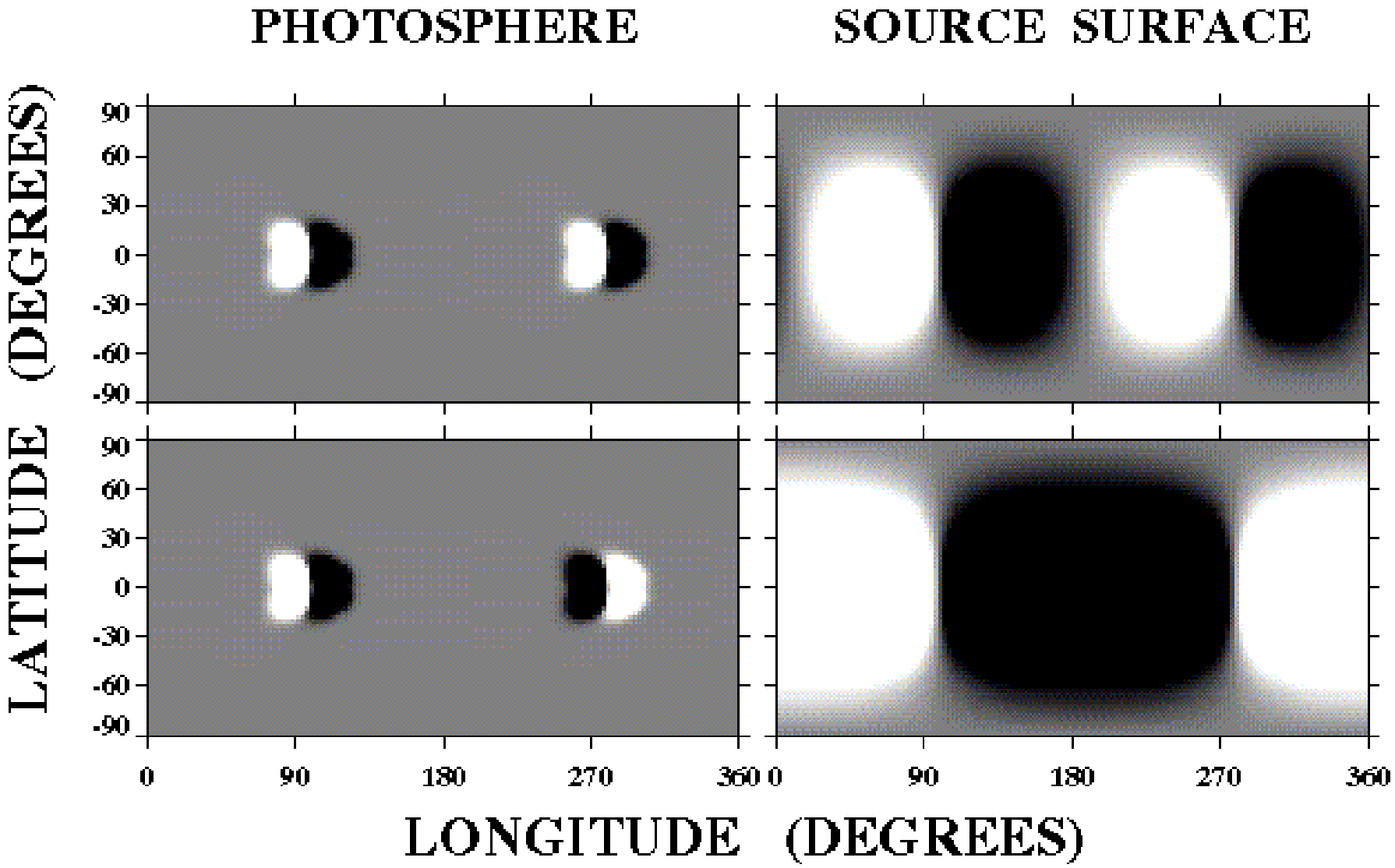
B1 = 4, B0 = 1


Fvalues = 3.0, 4.3, 3.0, 13.0
PHOTOSPHERIC FIELD
DERIVED CORONAL HOLES
SOURCE SURFACE FIELD
LATITUDE
LONGITUDE
90
45
0
-45
-90
0
90
180
270
360

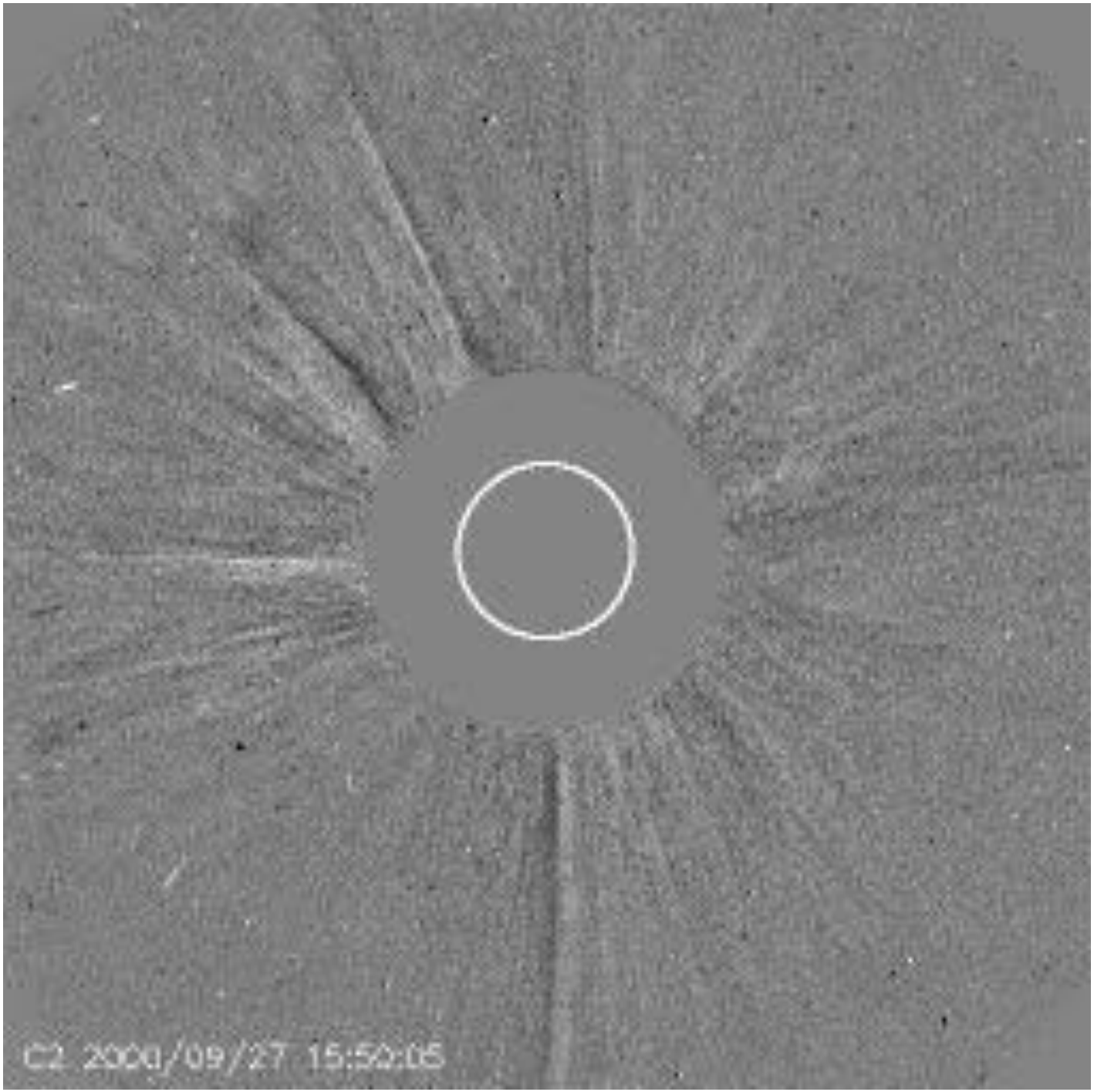

PHOTOSPHERIC FIELD
OPEN FLUX
LATITUDE (DEGREES)
LONGITUDE (DEGREES)
90
45
0
-45
-90
0
90
180
270
360
1 rotation
3 rotations
5 rotations
7 rotations

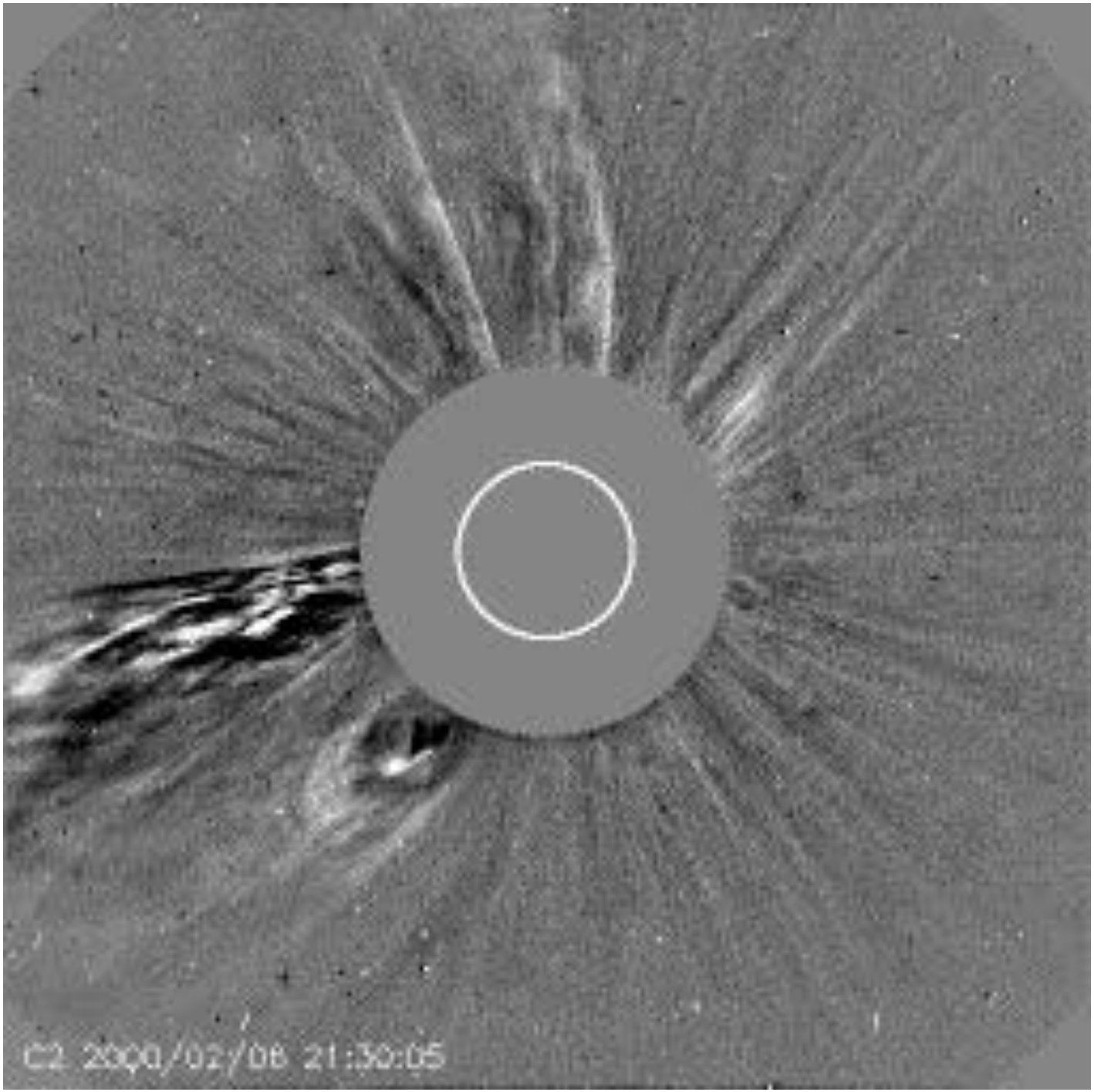

(a)
open flux (nT)
dipole (nT)
quadrupole (nT)
(b)
open flux (nT)
equatorial dipole (nT)
dipole tilt angle (radians)
0
1
2
3
4
5
6
71
73
75
77
79
81
83
85
87
89
91
93
95
97
99
01
YEAR

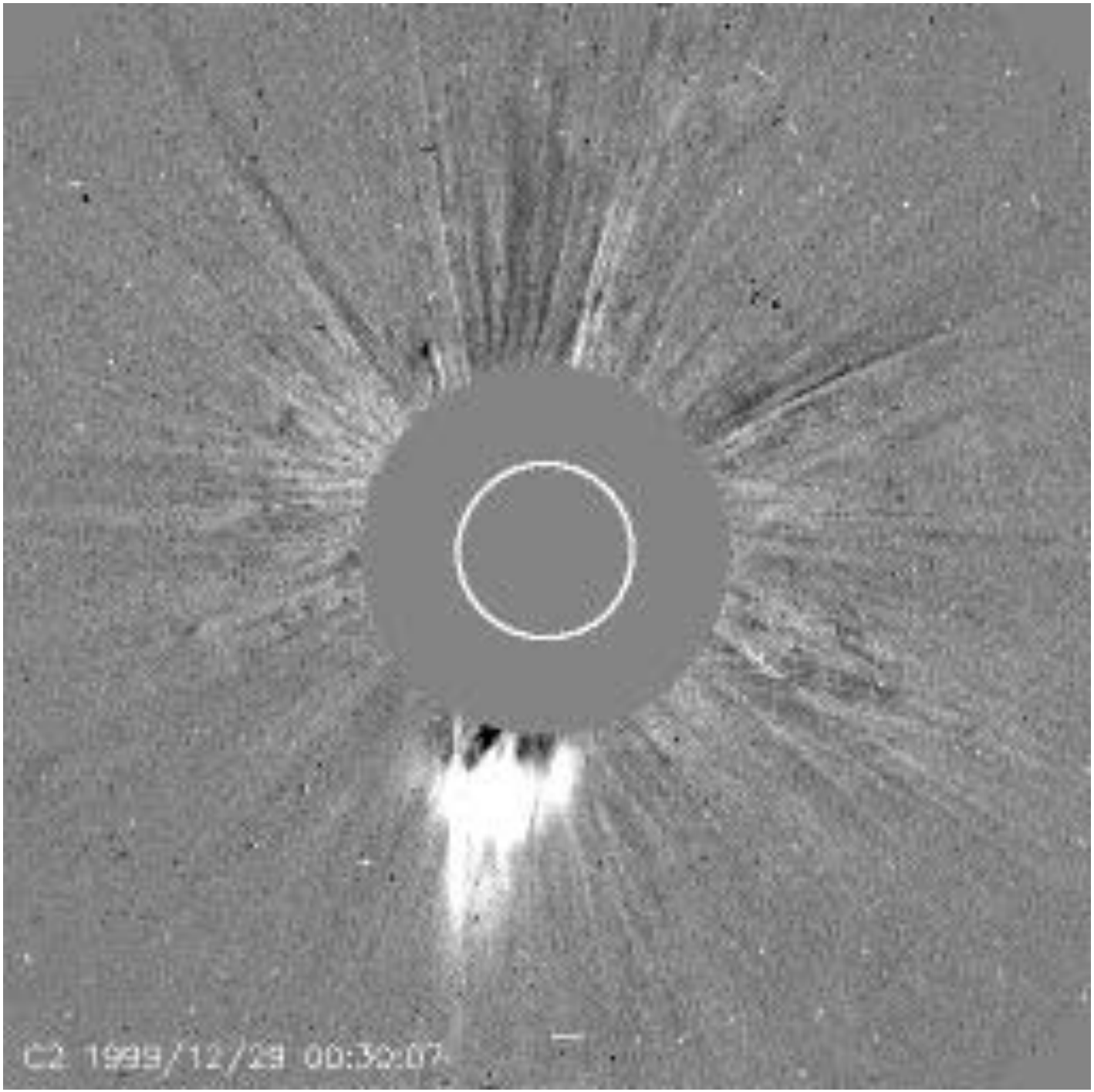

6
5
4
3
2
1
0
71
73
75
77
79
81
83
85
87
89
91
93
95
97
99
01
YEAR
open flux (nT)
radial IMF strength (nT)

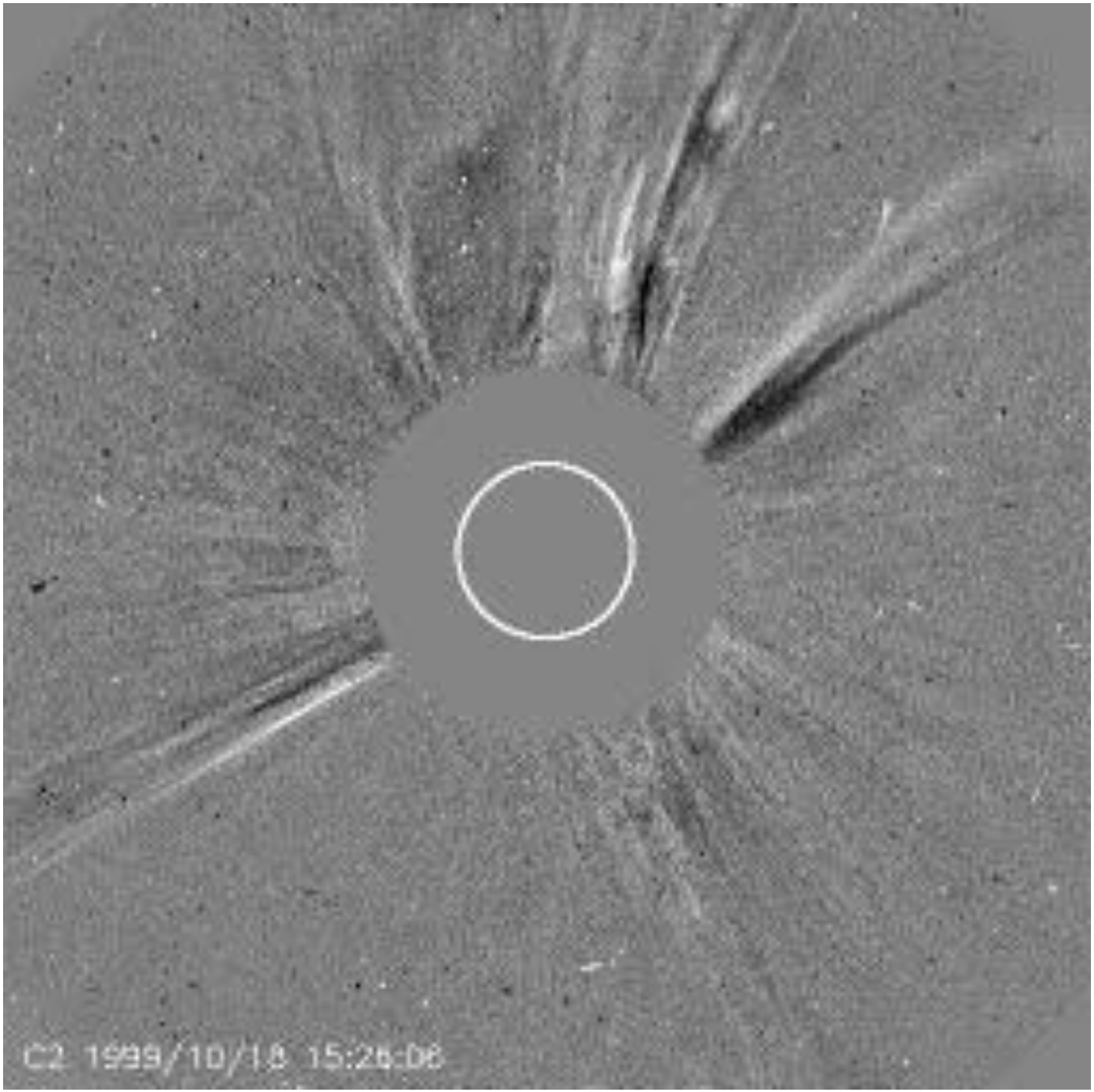

PHOTOSPHERE
SOURCE SURFACE
LATITUDE (DEGREES)
90
60
30
0
-30
-60
-90
0
90
180
270
360
LONGITUDE (DEGREES)

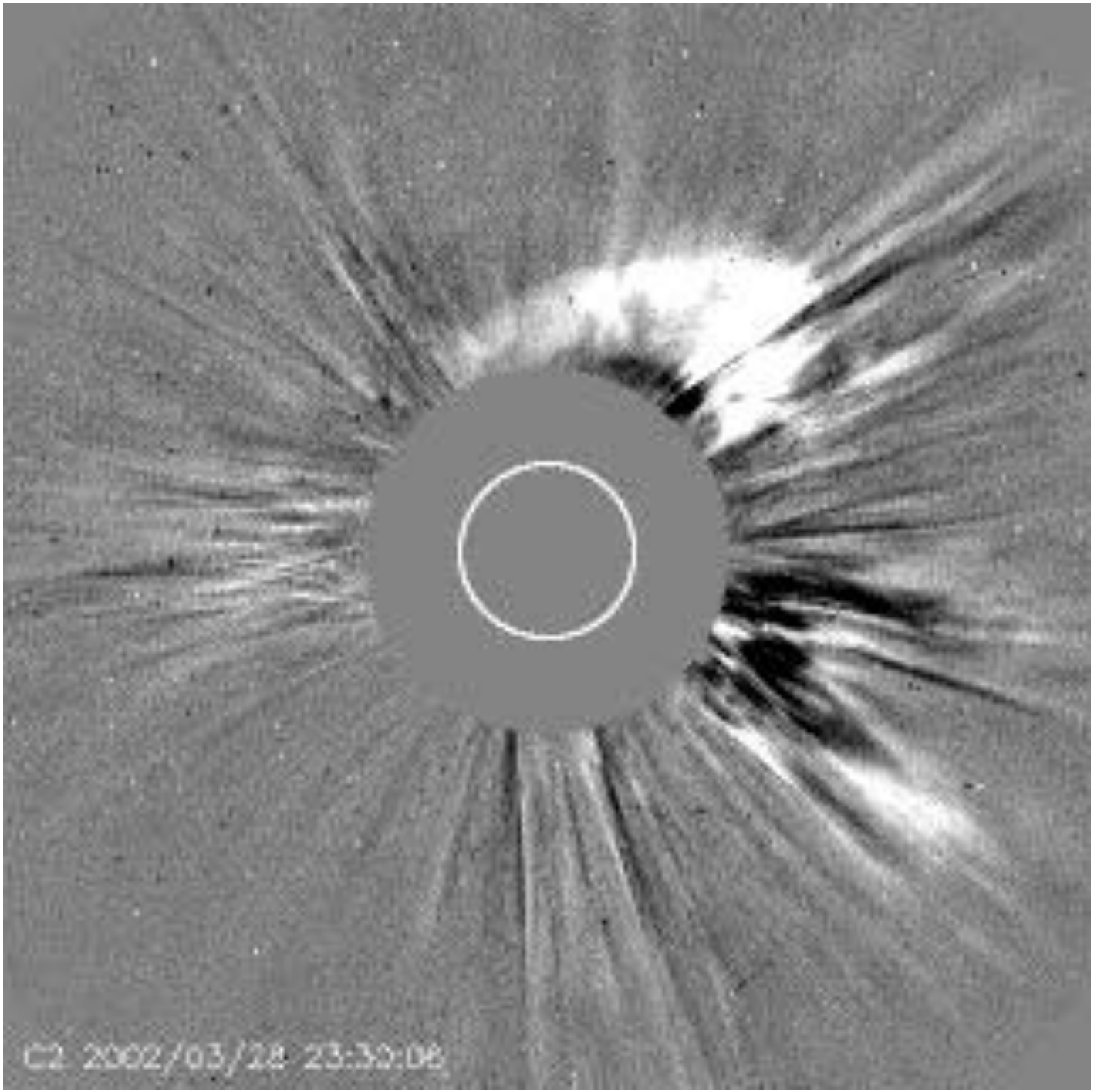
Ph Mag
He I
Fe XV
SS Mag
CR1967
CR1968
CR1969
CR1970
CR1971

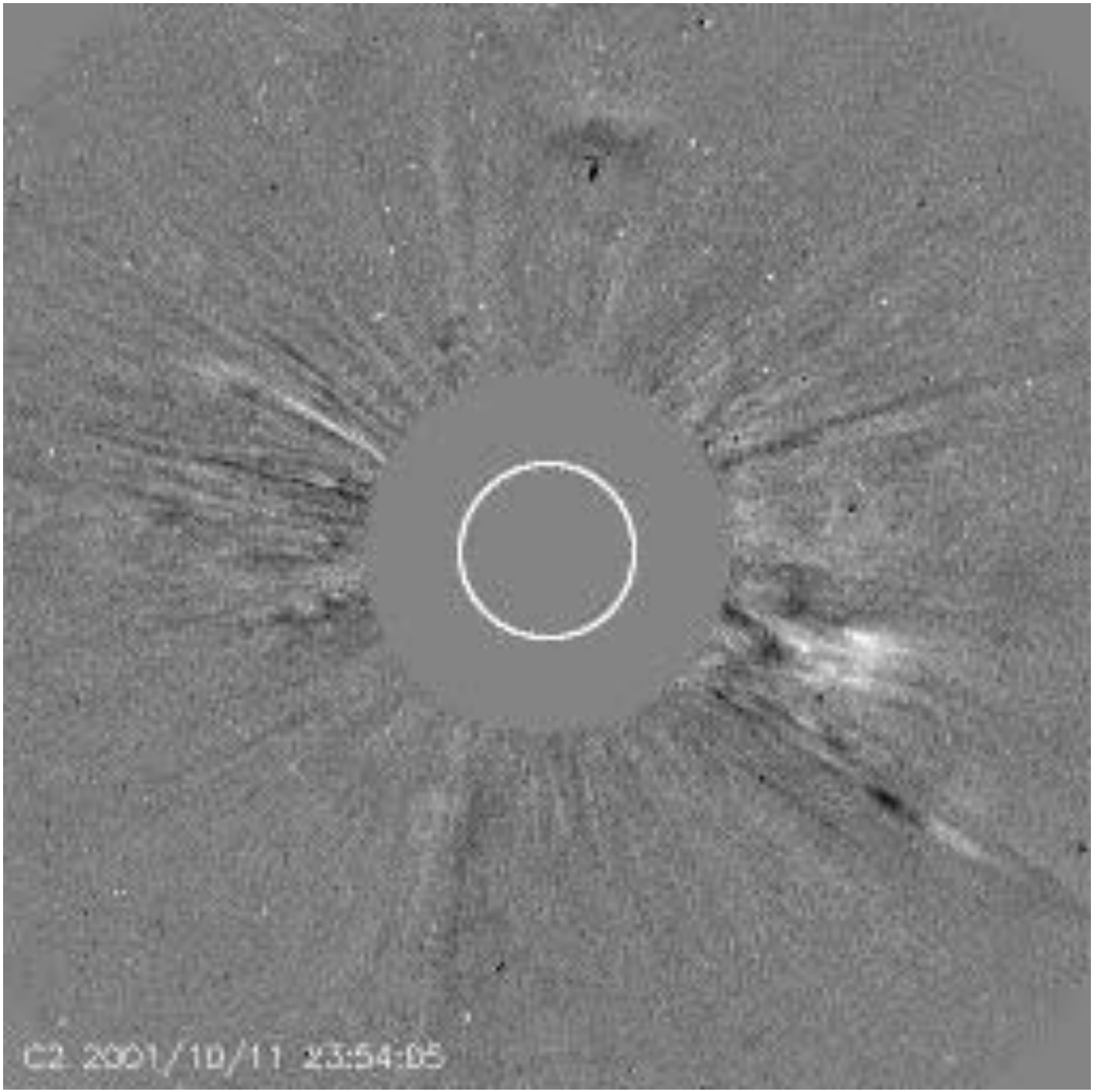

C2 2000/09/27 15:50:05


C2 2000/02/08 21:30:05


C2 1999/12/23 00:30:07


C2 1999/10/18 15:26:06


C2 2002/03/28 23:30:08


C2 2001/10/11 23:54:05