

HFUS 3 BOU 02 02 00

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

7 DAY FORECAST OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 02 00Z 02 JULY 1979

SOLAR ACTIVITY SHOULD BE LOW TO MODERATE FOR THE NEXT 7 DAYS.

THE GEOMAGNETIC FIELD SHOULD BE ACTIVE JULY 03-05, OTHERWISE
IT SHOULD BE UNSETTLED.

SOLTERWARN

BT

HFUS 3 BOU 02 02 01

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

27-DAY FORECAST OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 02 01Z 02 JULY 1979

SOLAR ACTIVITY SHOULD BE LOW TO MODERATE THROUGH JULY 17 DUE TO
THE RETURN OF PREVIOUSLY ACTIVE LONGITUDES. THEREAFTER ACTIVITY
SHOULD BE LOW.

THE GEOMAGNETIC FIELD SHOULD BE ACTIVE JULY 03-06, JULY 13 AND
JULY 19-20. QUIET PERIODS SHOULD BE JULY 15-17 AND JULY 25-26.
THE REST OF THE TIME SHOULD BE UNSETTLED.

SOLTERWARN

BT

HFUS 1 BOU 022200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 183

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 02 JULY 1979

IA. SOLAR ACTIVITY CONTINUED AT A LOW LEVEL THROUGH THE PAST 24 HOURS. SEVERAL SMALL CLASS C FLARES HAVE BEEN RECORDED THE LARGEST WAS A C-6 AT 02/2000Z, PROBABLY ASSOCIATED WITH BRIGHTENING IN NEW REGION 1850 (N08E77). THERE HAVE BEEN SEVERAL INTERESTING CHANGES THROUGH THE PAST 24 HOURS. REGION 1840 (N19E14) NOW HAS A DELTA CONFIGURATION IN THE AREA JUST SOUTH-EAST OF THE LEADER. GROWTH HAS BEEN REPORTED WEST OF THE LEADER IN REGION 1828 (N15W27) ASSOCIATED WITH SOME SMALL FLARES. GROWTH HAS SLOWED IN 1847 (S14E33). A SMALL FLARE WAS OBSERVED IN THE NOW SPOTLESS REGION N 1845 (S28E40) AT 02/1900Z. NEW REGION 1851 (N20E67) IS A B-TYPE. A MARKED INCREASE HAS BEEN OBSERVED IN BOTH THE 10 CM AND X-RAY BACKGROUND LEVELS.

IB. SOME INCREASE IN SOLAR ACTIVITY IS EXPECTED THROUGH THE FORECAST PERIOD. MOST OF THIS INCREASE IS EXPECTED FROM 1828, 1840, AND 1850. CONTINUED DEVELOPMENT IN ANY OF THESE REGIONS COULD RESULT IN MAJOR ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR MOST OF THE PAST 24 HOURS. CONDITIONS ARE EXPECTED TO BECOME DISTURBED THROUGH THE FORECAST PERIOD. A EQUATORIAL CORONAL HOLE IS PRESENT (AS OBSERVED BY HELIUM 10830 AND RADIO SCANS) ABOUT W15 AND ITS PRESENCE SHOULD BE FELT ON THE 4TH OF JULY.

III. EVENT PROBABILITIES 03 JULY - 05 JULY

CLASS M 50/60/60

CLASS X 05/10/10

PROTON 01/02/03

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 JULY 206 (FLARE ENHANCED) 145

PREDICTED 03-05 JULY 200/208/215

90-DAY MEAN 02 JULY 174

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 01 JULY 08

ESTIMATED AFR/AP 02 JULY 03/07

PREDICTED AFR/AP 03-05 JULY 15/18 - 17/25 - 12/20

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