

HFUS 3 BOU 160200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLO

7 DAY FORECAST OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0200Z 16 JULY 1979

SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW THROUGHOUT THE FORECAST PERIOD.

THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED INCREASING TO ACTIVE CONDITIONS ON 19 - 21 JULY OWING TO THE POTENTIALLY RECURRENT EFFECTS OF A SOUTHERN CORONAL HOLE.

BT

HFUS 3 BOU 160200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLO.

27 DAY FORECAST OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0201Z 16 JULY 1979

SOLAR ACTIVITY IS EXPECTED TO BE LOW UNTIL 22 JULY. ACTIVITY SHOULD THEN SLOWLY INCREASE TO MODERATE LEVELS BY 30 JULY AS PREVIOUSLY ACTIVE LONGITUDES BECOME DOMINANT ON THE VISIBLE SOLAR DISK. MODERATE ACTIVITY IS EXPECTED TO CONTINUE THROUGH THE END OF THE FORECAST PERIOD.

RECURRENCE SUGGESTS THAT THE GEOMAGNETIC FIELD WILL BE ACTIVE FROM 19 - 21 JULY FOLLOWED BY GENERALLY UNSETTLED LEVELS UNTIL 25 JULY. QUIET CONDITIONS MAY RECUR FROM 25 - 28 JULY INCREASING TO UNSETTLED AND REACHING ACTIVE LEVELS ON APPROXIMATELY 03 - 05 AUGUST. THE GEOMAGNETIC FIELD IS THEN EXPECTED TO BE LOW UNSETTLED TO THE END OF THE FORECAST PERIOD.

BT

HFUS 1 BOU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 197

JOINT USAF/NOAA SOLAR AND GEOPHYSICAL ACTIVITY REPORT

ISSUED 2200Z 16 JULY 1979

IA. SOLAR ACTIVITY HAS BEEN LOW. THE LARGEST EVENT WAS A C3/SF
AT 0036Z FROM REGION 1859, WHICH HAS ROTATED OVER WEST LIMB TODAY.
CENTIMETRIC RADIO BURSTS ACCOMPANIED THIS FLARE. OTHER LOW LEVEL
CLASS C X-RAY BURSTS ASSOCIATED WITH OPTICAL FLARES ALSO CAME FROM
REGION 1859. REGIONS 1860 (N27W65), 1865 (N11W42), 1866 (S28E09),
1867 (N28E30), AND 1872 (S05E60) HAVE HAD PLAGE BRIGHTENINGS BUT
NO OPTICAL FLARES WERE REPORTED.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO SLIGHTLY ACTIVE
TODAY. THE FIELD IS EXPECTED TO BE UNSETTLED ON 17 JULY AND
TURNING INCREASINGLY ACTIVE BEGINNING ON THE 18TH.

III. EVENT PROBABILITIES 17-19 JUL

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 JUL 139

PREDICTED 17-19 JUL 136/134/134

90-DAY MEAN 16 JUL 175

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 JUL 14

ESTIMATED AFR/AP 16 JUL 10/11

PREDICTED AFR/AP 17-19 JUL 07/10 - 12/15 - 17/20

SOLTERWARN

BT

TAPE
OK