

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 UNSETLED 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 0200Z 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~~AT~~ ON THE VISIBLE SOLAR DISK. MODERATE ACTIVITY IS EXPECTED TO CONTINUE THROUGH THE END OF THE FORECAST PERIOD.

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

BT

HFUS 11B0U 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. CENT IMETRIC RADIO BURSTS ACCCOMPANIED 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 UNSETLED TO SLIGHTLY ACTIVE TODAY. THE FIELD IS EXPECTED TO BE UNSETLED 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

PREDICTION 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 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