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FUS 130U 082200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 159

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 08 JUNE 1979

IA. SOLAR ACTIVITY APPEARS TO HAVE BEEN LOW OVER THE PAST 24 HOURS. OPTICAL OBSERVATORIES HAVE BEEN PLAGUED WITH INCLEMENT WEATHER AND EQUIPMENT PROBLEMS. SATELLITE DETECTORS RESPONDED TO ONLY A FEW MINOR X-RAY BURSTS. THE MOST SIGNIFICANT WAS A C7 AT 1504 UT (MAX TIME); NO OPTICAL REPORTS WERE AVAILABLE. THE FEW OPTICAL OBSERVATIONS WHICH HAVE BEEN MADE INDICATE SIGNIFICANT GROWTH IN REGIONS 1796 (N16E44) AND 1797 (S17E49). REGION 1781 (N20W34) HAS SHOWN A TREND TOWARDS DECAY OVER THE LAST 24 HOURS, BUT REMAINS THE MOST COMPLEX REGION ON THE DISK.

IB. SOLAR ACTIVITY IS EXPECTED TO BE AT LOW TO MODERATE LEVELS DURING THE NEXT 24 HOURS. REGIONS 1796 AND 1797 MAY BECOME PRODUCERS OF ENERGETIC EVENTS IF THEIR PRESENT GROWTH TRENDS CONTINUE. ALTHOUGH STILL AN INTERESTING REGION, 1781 IS LESS THREATENING THAN IT HAS BEEN OVER THE PAST FEW DAYS.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED DURING THE PREVIOUS 24 HOURS. QUIET CONDITIONS ARE EXPECTED FOR THE NEXT 24 HOURS WITH A RESURGANCE TO UNSETTLED LEVELS BY THE END OF THIS FORECAST PERIOD. THE POLAR CAP ABSORPTION APPEARS TO HAVE DROPPED BELOW EVENT THRESHOLD AT APPROXIMATELY 07/1600 UT. LIKEWISE, THE LOW ENERGY PARTICLE EVENT DROPPED BELOW EVENT THRESHOLD AT APPROXIMATELY 08/1430 UT.

III. EVENT PROBABILITIES 09 JUNE - 11 JUNE

CLASS M 60/60/60

CLASS X 15/15/15

PROTON 15/15/15

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 JUNE 236

PREDICTED 09 JUNE - 11 JUNE 231/226/221

90-DAY MEAN 08 JUNE 180

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 07 JUNE 23

ESTIMATED AFR/AP 08 JUNE 12/15

PREDICTED AFR/AP 09 JUNE - 11 JUNE 06/08 10/12 10/10

SOLTERWARN

BT