

HFUS 1 BOU 312200 COR

FROM SPACE ENVIRONMENT SERVICES, CENTER BOULDER, COLO

SDF NUMBER 151

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 31 MAY 1979

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. SEVERAL SMALL C CLASS X-RAY FLARES WERE RECORDED. ONLY ONE OPTICAL FLARE WAS REPORTED A C2 SB AT 1858 U.T. FROM NEW REGION 1781 (N20E71), A D TYPE BETA-GAMMA GROUP. SEVERAL OTHER NEW REGIONS HAVE APPEARED 1778 (N21W20) B TYPE, 1779 (S21W13) A TYPE, 1780 (S31W12) A TYPE, 1782 (S21E77) H TYPE AND 1783 (N07E83) H TYPE. REGION 1781 MAY BE TWO GROUPS BUT LIMB PROXIMITY PREVENTS DETAILED ANALYSIS AT THIS TIME.

IB. SOLAR ACTIVITY WILL CONTINUE LOW HOWEVER IT SHOULD BE ON THE INCREASE AS REGIONS 1774 (N15E40) AND 1781 CONTINUE GROWTH AND INCREASE IN MAGNETIC COMPLEXITY.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED DURING THE PAST 24 HOURS. THE FIELD IS EXPECTED TO BE QUIET THE FIRST PART OF THE PERIOD AND TO BECOME UNSETTLED TO ACTIVE AT THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 01 JUNE - 03 JUNE

CLASS M 30/40/40

CLASS X 05/10/10

PROTON 01/01/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 MAY 170

PREDICTED 01 JUNE - 03 JUNE 174/178/182

90-DAY MEAN 31 MAY 177

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 30 MAY 12

ESTIMATED AFR/AP 31 MAY 07/08

PREDICTED AFR/AP 01 JUNE - 03 JUNE 06/07 07/07 09/14

SOLTERWARN

BT