

HFUS 1 BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 152

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 01 JUNE 1979

IA. SOLAR ACTIVITY HAS REMAINED LOW DURING THE PAST 24 HOURS. SEVERAL C CLASS X-RAY FLARES HAVE BEEN REPORTED, THE LARGEST A C6 OCCURRED AT 0201 U.T. NO OPTICAL CORRELATION. REGION 1781 (N19E56) HAS PRODUCED SEVERAL SMALL C CLASS FLARES THE LARGEST A C5/SF AT 0606 U.T. ALSO A C2/SB WAS REPORTED AT 1819 U.T. REGION 1782 (S22E70) HAS PRODUCED A C3/IN AT 1658 U.T. AND A C2/SF AT 1715 U.T. REGION 1774 (N13E25) HAD A C2/SF AT 1409 U.T. AND A C3/SN AT 1657 U.T. REGION 1774 IS A D TYPE BETA. REGION 1781 IS A D TYPE BETA GAMMA DELTA WITH A NORTH-SOUTH ORIENTATION, A VERY COMPLEX REGION. REGION 1782 IS A E TYPE BETA GAMMA REVERSED POLARITY. REGION 1783 (N07E67) MAY HAVE A TRAILER HOWEVER LIMB PROXIMITY PREVENTS DETAILED ANALYSIS AT THIS TIME. NEW REGIONS 1784 (N15W32) H TYPE, 1785 (S12W17) SMALL D TYPE AND 1786 (S15E76) H TYPE.

IB. SOLAR ACTIVITY SHOULD INCREASE TO MODERATE LEVELS AS REGIONS 1774, 1781 AND 1782 HAVE THE POTENTIAL FOR ENERGETIC ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET DURING THE PAST 24 HOURS. THE FIELD IS EXPECTED TO BE QUIET THE FIRST PART OF THE PERIOD BECOMING UNSETTLED NEAR END OF FORECAST PERIOD.

III. EVENT PROBABILITIES 02 JUNE - 04 JUNE

CLASS M 45/50/50

CLASS X 10/15/15

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 JUNE 184

PREDICTED 02 JUNE - 04 JUNE 189/195/202

90-DAY MEAN 01 JUNE 177

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 31 MAY 04

ESTIMATED AFR/AP 01 JUNE 03/07

PREDICTED AFR/AP 02 JUNE - 04 JUNE 04/07 06/14 08/08

SOLTERWARN

BT