

HFUS 1 BOU 032200

~~FROM~~ SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 062

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 03 MARCH 1979

IA. SOLAR ACTIVITY HAS BEEN MODERATE FOR THE PAST 24 HOURS. AN M1/IB FLARE OCCURRED AT 1819 U.T. FROM REGION 1595 (S24W00). REGION 1605 (S17E61) PRODUCED A C7/SF FLARE AT 0234 U.T., A C5/SF AT 1115 U.T., A C2/SN AT 1418 U.T. AND A C2/SF AT 1716 U.T. REGIONS 1596 (S19W63), 1591 (S20W33), AND 1599 HAVE ALSO PRODUCED SF FLARES WITH X-RAY LEVELS AT OR NEAR C1. REGION 1604 (N17E51) PRODUCED A C4/SN FLARE AT 2023 U.T. A C7 X-RAY FLARE OCCURRED AT 1100 U.T. WITH NO OPTICAL CORRELATION. REGION 1595 CONTINUES TO BE COMPLEX E TYPE BETA GAMMA GROUP. REGION 1591 (N20W33) IS SHOWING RAPID GROWTH, IN BOTH AREA AND NUMBER OF SPOTS, NOW C TYPE GROUP. NEW REGION 1606 SMALL BUT STABLE A TYPE GROUP.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN MODERATE FOR THE FORECAST PERIOD. REGIONS 1599, 1595, 1605 AND 1591 WILL BE THE REGIONS WITH THE MOST POTENTIAL FOR ENERGETIC ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED FOR THE LAST 24 HOURS. EXPECT THE FIELD TO REMAIN UNSETTLED DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 04 MAR - 06 MAR

CLASS M 70/75/80

CLASS X 15/20/20

PROTON 05/05/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 MAR 176

PREDICTED 04-06 MAR 179/182/185

90-DAY MEAN 196

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 02 MAR 12

ESTIMATED AFR/AP 03 MAR 10/13

PREDICTED AFR/AP 04-06 MAR 10/10 - 13/15 - 10/10

SOLTERWAR N

BT