

HFUS 1 BOU 102200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 161

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 10 JUNE 1979

IA. SOLAR ACTIVITY HAS BEEN HIGH. THERE WAS AN X-2 FLARE AT 0804 UT WHICH HAD NO OPTICAL CORRELATION EXCEPT A SF FLARE FROM REGION 1781, THUS THE RELATION IS SUSPECT. REGION 1781 (N20W60) HAS DECAYED TO A D-TYPE GROUP. REGIONS 1788 (S21W39), 1796 (N17E16) AND 1797 (S17E23) HAVE CONTINUED TO GROW. THEY ARE ALL COMPLEX BETA-GAMMA GROUPS. THERE ARE TWO NEW GROUPS: 1801 (S13W11) IS AN A-TYPE GROUP AND 1802 (N23E59) IS A C-TYPE GROUP. THE REST OF THE DISK IS LITTLE CHANGED.

IB. SOLAR ACTIVITY SHOULD BE MODERATE. THE REGIONS WITH THE GREATEST POTENTIAL ARE 1788, 1796, 1797, ALTHOUGH 1781 STILL RETAINS SOME POSSIBILITY FOR M-CLASS FLARES.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE. CONDITIONS SHOULD BE UNSETTLED UNTIL LATE ON JUNE 12 WHEN ACTIVE CONDITIONS SHOULD BEGIN.

III. EVENT PROBABILITIES 11 JUNE - 13 JUNE

CLASS M 80/80/80

CLASS X 20/20/20

PREDICTED 05/05/05

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 JUNE 233

PREDICTED 11-13 JUNE 228/223/218

50-DAY MEAN 10 JUNE 181

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 09 JUNE 16

ESTIMATED AFR/AP 10 JUNE 14/20

PREDICTED AFR/AP 11-13 JUNE 11/12 - 15/16 - 15/12

SOLTERWARN

BT