

HFUS 1 BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SD F NUMBER 189

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 07 JULY 1980

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE. ALL REPORTED FLARE ACTIVITY OCCURRED IN REGION 2550 (N27W57). THE LARGEST FLARE WAS A M2/SB WITH X-RAY MAX AT 1153Z. MINOR CENTIMETRIC BURSTS AND STRONG SHORT WAVE FADE ACCCOMPANIED THIS FLARE. A DELTA CONFIGURATION WITH A MODERATE GRADIENT EXISTS IN THE TRAILER PENUMBRA OF REGION 2550. THERE ARE SEVERAL OTHER PORTIONS OF REGION 2550 THAT HAVE MIXED POLARITIES BUT LESSER GRADIENTS EXIST AT THESE POSITIONS. REGION 2554 (N17E47) HAS A BETA GAMMA CONFIGURATION BUT CURRENT STRUCTURE DOES NOT SUPPORT ENERGETIC FLARE ACTIVITY FROM THIS REGION. REGIONS 2556 (S24W78) AND 2557 (N30W35) HAVE BEEN ADDED TODAY.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW TO MODERATE WITH REGION 2550 PRODUCING ABOUT ONE CLASS M EVENT PER DAY THROUGH WEST LIMB PASSAGE.

II. THE GEOMAGNETIC FIELD HAS BEEN STRONGLY UNSETTLED. THE FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE FOR THE FIRST HALF OF THE FORECAST PERIOD AND THEN BE UNSETTLED FOR THE LATTER HALF.

III. EVENT PROBABILITIES 08 JULY - 10 JULY

CLASS M 80/80/80

CLASS X 10/10/10

PREDICTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 JULY 148

PREDICTED 08-10 JULY 150/150/150

90-DAY MEAN 07 JULY 205

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 06 JULY 14

ESTIMATED AFR/AP 07 JULY 14/14

PREDICTED AFR/AP 08-10 JULY 14/15 - 12/15 - 10/12

SOLTERWARN

BT