

HFUS 1 BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF 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 ACCOMPANIED THIS FLARE. A DELTA CON-  
FIGURATION 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 CON-  
FIGURATION 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
PROTON	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 A 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