

HFUS 1 BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 187

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 06 JULY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE. REGION 1192 (S26W49) NOW CONTAINS A DELTA CONFIGURATION AND PRODUCED A M1/SB FLARE WHICH REACHED MAXIMUM AT 1525 UT. AT 1533 UT A BRIGHT SURGE WITH SOME EJECTA WAS OBSERVED TO .25R AT NE17. ANOTHER SURGE WAS OBSERVED AT 2052 UT LOCATED AT NE23. THE SOUTHEAST QUADRANT IS EXHIBITING RAPID SMALL SUNSPOT GROWTH AND DECAY. TWO NEW REGIONS 1197 (S17E70) AND 1198 (N27E74) HAVE ROTATED ONTO THE DISK.

IB. SOLAR ACTIVITY SHOULD REMAIN AT A LOW TO MODERATE LEVEL. SHOULD REGION 1192 WITH ITS INCREASING MAGNETIC COMPLEXITY CONTINUE ITS DEVELOPMENT, THERE SHOULD BE AN INCREASE IN ITS ENERGETIC FLARE PRODUCTION. EAST LIMB SURGE ACTIVITY MAY HERALD THE LIMB TRANSIT OF ANOTHER ACTIVE REGION.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED. CONDITIONS ON 07 JULY SHOULD REACH ACTIVE CRITERIA FOR PART OF THE DAY WITH THE PASSAGE AT 1 AU OF A SOLAR SECTOR. GEOMAGNETIC CONDITIONS FOR THE REMAINDER OF THE FORECAST PERIOD WILL BE QUIET TO UNSETTLED.

III. EVENT PROBABILITIES 07 JULY - 09 JULY

CLASS M 25/25/25

CLASS X 02/02/02

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 JULY 117

PREDICTED 07-09 JULY 120/124/128

90-DAY MEAN 06 JULY 146

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 05 JULY 36

ESTIMATED AFR/AP 06 JULY 10/10

PREDICTED AFR/AP 07-09 JULY 15/15 - 10/10 - 10/10

SOLTERWARN

BT