

HFUS 1-B OU 62200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 158

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 06 JUNE 1980

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 24 HOURS. REGION 2490 (S12E33) HAS PRODUCED SEVERAL SMALL C-CLASS X-RAY FLARES DURING THE PAST 24 HOURS. REGION 2495 (N14W68) HAS ALSO BEEN BUSY WITH SMALL C-CLASS X-RAY EVENTS, AND AN M1/SB MAXIMUM AT 2133 UT. 290 FLUX UNITS WAS ALSO RECORDED AT 2695 MHZ WITH THIS EVENT. A C9 X-RAY EVENT OCCURRED AT 1437 UT FROM REGION 2490, 2488 (S11W25) AND 2495 ALL OF WHICH CONTRIBUTED TO SOME PART OF THE EVENT. REGION 2490 CONTINUES TO EXHIBIT A DELTA IN THE TRAILER PORTION OF THE REGION. HOWEVER, THE GRADIENTS ARE LESS THAN DURING THE PREVIOUS 24 HOURS. REGION 2495 ALSO CONTAINES A DELTA THAT IS WEAKER THAN IN THE PAST.

IB. SOLAR ACTIVITY IS EXPECTED TO BE OR NEAR MODERATE LEVELS DURING THE FORECAST PERIOD. THE CHANCE OF A X-CLASS X-RAY EVENT HAS DECREASED AS REGION 2487 HAS ROTATED OVER THE LIMB. REGIONS 2490 AND 2495 WILL HAVE THE BEST CHANCE FOR M-CLASS FLARES.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED DURING THE PAST 24 HOURS. THE FIELD SHOULD CONTINUE TO BE UNSETTLED UNTIL 08 JUNE WHEN NEAR ACTIVE CONDITIONS ARE EXPECTED.

III. EVENT PROBABILITIES 07 - 09 JUNE

CLASS M 60/60/50

CLASS X 10/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 JUNE 167

PREDICTED 07 - 09 JUNE 164/164/160

90-DAY MEAN 06 JUNE 202

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 05 JUNE 04

ESTIMATED AFR/AP 06 JUNE 09/10

PREDICTED AFR/AP 07 - 09 JUNE 08/10 12/15 12/15

SOLIERWARN

BT