

HFUS 1 BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 238

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 25 AUGUST 1980

IA. SOLAR ACTIVITY HAS BEEN MODERATE. NEARLY ALL HAS OCCURRED  
ALONG A COMMON NEUTRAL LINE FROM REGION 2629 (N19W66) EASTWARD  
TO REGION 2635 (N09E08). ACTIVITY HAS DIMINISHED IN REGION 2632  
(N14W28) AND INCREASED IN REGION 2635. SLIGHT CONTRIBUTIONS TO  
ACTIVITY CAME FROM REGION 2625 (N16W98) ON THE LIMB AND REGION  
2640 (S08W15) THE ONLY REGION IN THE SOUTHERN HEMISPHERE SHOWING  
ACTIVITY. FIVE M1 EVENTS OCCURRED IN REGION 2629 THIS PERIOD, A  
B AT 2210 MAX 24 AUGUST, OTHER SUBFLARES OPTICALLY, 25 AUGUST.  
REGION 2635 PRODUCED ONE M1/SB FLARE. REGION 2643 (N11E34), A  
SMALL BETA GROUP WAS NUMBERED TODAY.

IB. SOLAR ACTIVITY SHOULD REMAIN MODERATE. REGION 2629 CONTINUES  
TO EVOLVE SHOWING MIXED POLARITIES AND RAPID REORGANIZATION.  
THIS REGION MAY BE EXPECTED TO REMAIN ACTIVE. REGION 2635 IS  
GROWING MORE COMPLEX AND THE SPOTS OF NEGATIVE POLARITY APPEAR  
TO BE UNSTABLE, ERUPTING AT VARIOUS PLACES AROUND THE LEADER  
GROUP AND VANISHING ELSEWHERE. ACTIVITY IN REGION 2635 SHOULD  
INCREASE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. IT IS EXPECTED TO  
REMAIN QUIET.

III. EVENT PROBABILITIES 26 AUGUST - 28 AUGUST

CLASS M	70/70/70
CLASS X	05/05/05
PROTON	02/05/05
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	25 AUGUST	152
PREDICTED	26-28 AUGUST	145/142/138
90-DAY MEAN	25 AUGUST	186

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG	24 AUGUST	05
ESTIMATED AFR/AP	25 AUGUST	06/09
PREDICTED AFR/AP	26-28 AUGUST	06/10 - 05/08 - 05/08

SOLTERWARN

BT