

HFUS 1 BOU 2522 00  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SD E NUMBER 238  
JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 25 AUGUST 1980

I. SOLAR ACTIVITY HAS BEEN MODERATE. NEARLY ALL HAS OCCURRED ALONG A COMMON NEUTRAL LINE FROM REGION 2629 (N 19W 66) EASTWARD TO REGION 2635 (N 09E 08). ACTIVITY HAS DIMINISHED IN REGION 2632 (N 14W 28) AND INCREASED IN REGION 2635. SLIGHT CONTRIBUTIONS TO ACTIVITY CAME FROM REGION 2625 (N 16W 98) ON THE LIMB AND REGION 2640 (S 08W 15) THE ONLY REGION IN THE SOUTHERN HEMISPHERE SHOWING ACTIVITY. FIVE MI EVENTS OCCURRED IN REGION 2629 THIS PERIOD, A IB AT 2210 MAX 24 AUGUST, OTHER SUBFLARES OPTICALLY, 25 AUGUST. REGION 2635 PRODUCED ONE M1/SB FLARE. REGION 2643 (N 11E 34), 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

PREDICTON 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