

FUS 3 BOU 102200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 222

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 10 AUG 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 09/2100  
TO 10/2100Z: SOLAR ACTIVITY WAS AT A LOW LEVEL. REGIONS 4263  
AND 4267 HAVE QUIETLY COMPLETED WEST LIMB TRANSIT. THE  
WESTERN HALF OF THE SOLAR DISK IS NOW VOID OF SPOTS. THE  
COMPLEX IN THE SOUTHEAST, COMPOSED OF REGIONS 4278 (S06E41),  
4279 (S09E33) AND 4280 (S02E34) HAS ALSO BEEN QUIET, PRODUCING  
ONLY SMALL C CLASS FLARES. A DELTA MAY HAVE DEVELOPED BETWEEN  
THE LEADERS OF REGION 4278 AND THE TRAILER OF REGION 4279. THE  
NEUTRAL LINE IN THIS AREA RUNS EAST WEST. GROWTH MAY BE TAKING  
PLACE IN REGION 4279 AND AROUND THE LEADERS OF 4278. REGION  
4281 (S04E75) AND 4282 (N08E81) WERE NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO  
INCREASE TO MODERATE LEVELS DURING THE FORECAST PERIOD. THE  
COMPLEX IN THE SOUTHEAST IS CAPABLE OF MAJOR FLARES AND SHOULD  
BE MONITORED FOR RAPID CHANGE, FOR EXAMPLE INCREASED SHEAR  
BETWEEN REGIONS 4278 AND 4279.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 09/2100Z TO 10/2100Z:  
THE GEOMAGNETIC FIELD WAS UNSETTLED TO QUIET.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS  
EXPECTED TO BE UNSETTLED TO QUIET EARLY IN THE FORECAST PERIOD.  
RECURRENCE INDICATES AN INCREASE TO LOW ACTIVE LEVELS ON 12  
AUGUST.

III. EVENT PROBABILITIES 11 AUG-13 AUG

CLASS M 80/80/80

CLASS X 05/05/10

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 AUG 148

PREDICTED 11 AUG-13 AUG 149/150/151

90 DAY MEAN 10 AUG 134

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 09 AUG 011/014

ESTIMATED AFR/AP 10 AUG 009/011

PREDICTED AFR/AP 11 AUG-13 AUG 010/015-015/015-015/015

SOLTERWARN

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