

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

EROTON 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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