

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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