

HFUS 3 BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 280

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 07 OCT 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 06/2100
TO 07/2100Z: SOLAR ACTIVITY HAS BEEN LOW. ONLY ONE C CLASS X-RAY
FLARE HAS OCCURRED THIS PERIOD, A C1/SN FLARE WHICH REACHED
MAXIMUM AT 1432 UT. THIS FLARE WAS PRODUCED BY REGION 4328
(N07E09), WHICH WHILE SLOWLY DECAYING, IS STILL THE MOST
IMPRESSIVE REGION ON THE DISK WITH A F TYPE SPOT CLASSIFICATION
AND A MARGINAL BETA GAMMA MAGNETIC CONFIGURATION. ALL OTHER
REGIONS ON THE DISK ARE STABLE AT THIS TIME. ONE NEW REGION WAS
NUMBERED THIS PERIOD, REGION 4334 (S04E04), AN A TYPE SPOT
GROUP.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN
GENERALLY LOW WITH ISOLATED M CLASS X-RAY FLARES STILL POSSIBLE
FROM REGION 4328.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 06/2100Z TO 07/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED THIS PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD
SHOULD BE AT ACTIVE LEVELS THROUGHOUT THE FORECAST PERIOD DUE
TO THE EXPECTED ARRIVAL OF A CORONAL HOLE STREAM.

III. EVENT PROBABILITIES 08 OCT-10 OCT

CLASS M	30/30/20
CLASS X	01/01/01
PROTON	01/01/01
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	07 OCT	134
PREDICTED	08 OCT-10 OCT	135/136/136
90 DAY MEAN	07 OCT	120

V. GEOMAGNETIC A INDICES

OBSERVED	AFR/AP	06 OCT	014/021
ESTIMATED	AFR/AP	07 OCT	011/015
PREDICTED	AFR/AP	08 OCT-10 OCT	015/015-015/015-015/010

SOLTERWARN

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