

HFUS 3 BOU 202200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 232

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 20 AUG 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 19/2100
TO 20/2100Z: SOLAR ACTIVITY HAS BEEN LOW. REGIONS 4282 (N08W54)
AND 4288 (N14E46) HAVE CONTRIBUTED A FEW OPTICAL SUBFLARES.
REGION 4288 IS THE MOST IMPRESSIVE REGION ON THE DISK WITH AN E
TYPE SPOT CLASSIFICATION AND HAS CONTRIBUTED CLASS C X-RAY
FLARES. ONE REGION WAS NUMBERED THIS PERIOD, 4289 (S12E75), AN
A TYPE SPOT GROUP. THE REST OF THE REGIONS ON THE DISK APPEAR
UNIMPRESSIVE AT THIS TIME.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN LOW.
REGION 4288 APPEARS TO BE THE ONLY REGION CAPABLE OF
SIGNIFICANT FLARE ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 19/2100Z TO 20/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED THIS PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD
SHOULD INCREASE TO ACTIVE LEVELS FOR THE FIRST TWO DAYS OF THE
FORECAST PERIOD AND THEN RETURN TO UNSETTLED CONDITIONS ON THE
THIRD DAY.

III. EVENT PROBABILITIES 21 AUG-23 AUG

CLASS M	10/10/10
CLASS X	01/01/01
PROTON	01/01/01
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	20 AUG	116
PREDICTED	21 AUG-23 AUG	116/116/120
90 DAY MEAN	20 AUG	133

V. GEOMAGNETIC A INDICES

OBSERVED	AFR/AP	19 AUG	008/013
ESTIMATED	AFR/AP	20 AUG	016/015
PREDICTED	AFR/AP	21 AUG-23 AUG	020/015-015/015-012/015

SOLTERWARN

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