

HFUS 3 BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 225

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 13 AUG 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 12/2100
TO 13/2100Z: SOLAR ACTIVITY HAS BEEN MODERATE. THE COMPLEX OF
REGIONS 4278 (S06E01), 4279 (S11W07) AND 4280 (S02W07) CONTINUES
TO SIMPLIFY BUT IS PRODUCING M LEVEL ACTIVITY IN THE PROCESS.

AN M1/1B AT 130428Z (MAX) PRECEDED AN M5/2B AT 131815Z (MAX).

THE ACCOMPANING RADIO BURSTS WERE SMALL WITH ONLY A 100 FU
BURST AT 10CM BEING REPORTED WITH THE M5. THE RELATIVE

PROXIMITY OF THESE REGIONS IS SUCH THAT THE FLARE ACTUALLY
OCCURRED IN BOTH 4278 AND 4279. NOTHING ELSE OF CONSEQUENCE IS
HAPPENING ON THE DISK. NO NEW REGIONS WERE REPORTED TODAY.

IB. SOLAR ACTIVITY FORECAST: LOW TO MODERATE ACTIVITY CAN BE
EXPECTED FROM REGIONS 4278 AND 4279.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 12/2100Z TO 13/2100Z:
THE GEOMAGNETIC FIELD WAS AT ACTIVE LEVELS UNTIL 131500Z THEN
DECLINED TO UNSETTLED CONDITIONS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: ACTIVE CONDITIONS SHOULD
CONTINUE FOR ANOTHER 24 HOURS AND THEN TREND TOWARD UNSETTLED
LEVELS.

III. EVENT PROBABILITIES 14 AUG-16 AUG

CLASS M 80/80/80

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 AUG 144

PREDICTED 14 AUG-16 AUG 142/141/141

90 DAY MEAN 13 AUG 134

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 12 AUG 025/030

ESTIMATED AFR/AP 13 AUG 022/025

PREDICTED AFR/AP 14 AUG-16 AUG 018/020-013/020-013/015

SOLTERWARN

BT