

FUS 3 BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 223

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 11 AUG 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 10/2100 TO 11/2100Z: SOLAR ACTIVITY IS LOW. REGION 4279 (S10E20) PRODUCED A RADIO RICH C1/SB FLARE AT 111915Z (MAX) WHICH WAS THE MOST IMPRESSIVE EVENT OF THE PAST 24 HOURS. THE COMPLEX OF REGIONS 4279, 4278 (S07E27) AND 4280 (S02E20) REMAIN THREATENING IN APPEARANCE ALTHOUGH NO TREND IN THEIR GROWTH OR BEHAVIORAL PATTERNS HAS YET BEEN ESTABLISHED. A SMALL A TYPE SPOT WAS NUMBERED TODAY: 4283 (S18E68).

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD INCREASE IN THE SENSE THAT M CLASS FLARES SHOULD BECOME LESS SPORADIC. ONE OR TWO M EVENTS PER DAY WOULD NOT BE UNLIKELY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 10/2100Z TO 11/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: RECURRENT PATTERNS SHOULD BRING GENERALLY ACTIVE CONDITIONS FOR THE NEXT 3 DAYS.

III. EVENT PROBABILITIES 12 AUG-14 AUG

CLASS M 80/80/80

CLASS X 10/10/10

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 AUG 147

PREDICTED 12 AUG-14 AUG 149/150/151

90 DAY MEAN 11 AUG 134

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 10 AUG 007/007

ESTIMATED AFR/AP 11 AUG 010/010

PREDICTED AFR/AP 12 AUG-14 AUG 015/015-015/015-015/020

SOLTERWARN

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