

FUS 3 BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 230

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 18 AUG 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 17/2100 TO 18/2100Z: SOLAR ACTIVITY HAS BEEN LOW. REGIONS 4279 (S08W74) AND 4282 (N07W26) HAVE PRODUCED C CLASS X-RAY AND OPTICAL SUBFLARES. REGION 4279 CONTINUES TO DECAY BUT THERE IS STILL SURGING IN THAT AREA AS IT TRANSITS THE DISK. REGION 4282 HAS GROWN SLIGHTLY BUT STILL MAINTAINS A C TYPE SPOT GROUP CLASSIFICATION. NO NEW REGIONS HAVE BEEN NUMBERED THIS PERIOD. ALL OTHER REGIONS ON THE DISK REMAIN UNIMPRESSIVE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN LOW FOR THE NEXT 24 HOURS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 17/2100Z TO 18/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET THIS PERIOD.

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

III. EVENT PROBABILITIES 19 AUG-21 AUG

CLASS M 30/20/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 AUG 119

PREDICTED 19 AUG-21 AUG 116/113/113

90 DAY MEAN 18 AUG 134

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 17 AUG 005/011

ESTIMATED AFR/AP 18 AUG 004/010

PREDICTED AFR/AP 19 AUG-21 AUG 020/015-025/020-020/015

SOLTERWARN

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