

HFUS 3 BOU 232200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 235

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 23 AUG 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 22/2100 TO 23/2100Z: SOLAR ACTIVITY HAS BEEN LOW DURING THIS 24 HOUR PERIOD. NO OPTICAL OR X-RAY EVENTS HAVE BEEN RECORDED DURING THIS PERIOD. REGION 4824 (N19W75) IS THE ONLY REGION TO EXHIBIT GROWTH THIS PERIOD. NEW REGIONS TODAY ARE 4292 (S13W19) AND 4293 (S08E74), THIS IS THE RETURN OF OLD REGION 4263 (S10L290) WHICH PRODUCED 8 "M" CLASS EVENTS LAST ROTATION, BOTH REGIONS ARE SIMPLE "A" TYPE AT THIS TIME.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT A LOW LEVEL DURING THIS FORECAST PERIOD. THE CURRENT DISK REGIONS DO NOT APPEAR CAPABLE OF ENERGETIC ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 22/2100Z TO 23/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT MINOR STORM LEVELS DURING THIS PERIOD. THE MID-LATITUDE SITES WERE AT MAJOR STORM LEVELS BETWEEN 0300UT AND 0900UT WHILE THE HIGH LATITUDE SITES WERE AT MAJOR STORM LEVELS FROM 0300UT UNTIL 1030UT.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE FIELD IS EXPECTED TO BE AT GENERALLY UNSETTLED, ACTIVE DURING THE NIGHT TIME SECTORS, FOR THE NEXT 24 HOURS THEN AT ACTIVE WITH SHORT PERIODS AT MINOR STORM NEAR THE END OF THE PERIOD.

III. EVENT PROBABILITIES 24 AUG-26 AUG

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 AUG 103

PREDICTED 24 AUG-26 AUG 108/114/122

90 DAY MEAN 23 AUG 132

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 22 AUG 011/017

ESTIMATED AFR/AP 23 AUG 030/035

PREDICTED AFR/AP 24 AUG-26 AUG 010/015-015/010-020/015

SOLTERWARN

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