

HFUS3 BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 235

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 22 AUG 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 21/2100 TO 22/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL DURING THE PAST 24 HOURS. THE ONLY SPOT GROUP ON THE DISK, REGION 4564 (S08W07), IS BASICALLY STABLE. HOWEVER, IT DOES POSSESS A WEAK ARCH FILAMENT SYSTEM AND THE SMALL FILAMENT NORTH OF THE SPOT IS OCCASIONALLY ACTIVE. REGION 4565 (S12E20) IS IN A PHASE WHERE SMALL A TYPE SPOTS RAPIDLY DEVELOPE AND DECAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A VERY LOW LEVEL FOR THE NEXT 24 HOURS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 21/2100Z TO 22/2100Z: THE GEOMAGNETIC FIELD WAS QUIET DURING THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT UNSETTLED TO ACTIVE LEVELS FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 23 AUG-25 AUG

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 AUG 074

PREDICTED 23 AUG-25 AUG 075/076/077

90 DAY MEAN 22 AUG 094

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 21 AUG 004/007

ESTIMATED AFR/AP 22 AUG 005/005

PREDICTED AFR/AP 23 AUG-25 AUG 010/015-010/020-010/015

SOLTERWARN

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