

FUS 3 BOU 022200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 245

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 02 SEP 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 01/2100 TO 02/2100Z: SOLAR ACTIVITY HAS CONTINUED LOW. THE MOST SIGNIFICANT EVENT WAS A C6/SB FROM REGION 4302 (S08W85) AT 1604Z. MINOR RADIO BURSTS ACCOMPANIED THIS FLARE. REGION 4304 (N09E21) CONTINUES TO GROW AND NOW CONTAINS MIXED POLARITIES (BETA GAMMA). SMALL REGION 4305 (S10E71) WAS ADDED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT A LOW LEVEL.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 01/2100Z TO 02/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED UNTIL THE LATTER PORTION OF 03 SEPTEMBER. ACTIVE CONDITIONS ARE THEN EXPECTED TO PREVAIL FOR THE BALANCE OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 03 SEP-05 SEP

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 SEP 109

PREDICTED 03 SEP-05 SEP 110/112/115

90 DAY MEAN 02 SEP 129

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 01 SEP 019/018

ESTIMATED AFR/AP 02 SEP 008/010

PREDICTED AFR/AP 03 SEP-05 SEP 012/015-015/020-015/020

SOLTERWARN

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