

HFUS 3 BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTE , BOULDER, COLORADO

SDF NUMBER 248

JOINT USAF/NOAA REPORT OF SOLAR AND GEO HYSICAL ACTIVITY.

ISSUED 2200Z 05 SEP 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 04/2100 TO 05/2100Z: SOLAR ACTIVITY IS LOW. ONLY REGIONS 4304 (N10W22) AND 4307 (S10E55) APPEAR TO HAVE ANY COMPLEXITY. REGION 4304 IS A CLASS D BETA TYPE AND 4307 IS A CLASS C BETA TYPE. THE LARGEST FLARE OBSERVED SO FAR TODAY WAS A C5.1/SN FROM REGION 4296 (S22W81) AT 052008Z. (MAX)

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. THE RETURN OF OLD 4284 ON 7 SEPT MAY ENHANCE THE POSSIBILITY OF M FLARE OCCURRENCE.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 04/2100Z TO 05/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GENERALLY QUIET TO UNSETTLED CONDITIONS ARE EXPECTED FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 06 SEP-08 SEP

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 SEP 116

PREDICTED 06 SEP-08 SEP 118/120/120

90 DAY MEAN 05 SEP 127

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 04 SEP 003/006

ESTIMATED AFR/AP 05 SEP 007/010

PREDICTED AFR/AP 06 SEP-08 SEP 010/010-010/015-015/020

SOLTERWARN

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