

HFUS3 BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 249

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 05 SEP 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 04/2100
TO 05/2100Z: SOLAR ACTIVITY HAS CONTINUED LOW DURING THIS
PERIOD. ONLY TWO SMALL B CLASS EVENTS HAVE BEEN OBSERVED.
REGION 4567 (S06W83) APPEARS TO BE DEPARTING QUIETLY, ONLY THE
TRAILERS ARE VISIBLE TODAY. REGION 4575 (N12W52) WAS NUMBERED
TODAY AND IS A SIMPLE B TYPE GROUP.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN LOW DURING THIS FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 04/2100Z TO 05/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN AT MINOR TO MAJOR STORM LEVELS
AT ALL LATITUDES DURING THE PAST 24 HOURS. THE FIELD HAS BEEN
AT ACTIVE LEVELS AT THE MID LATITUDE SITES FROM 1800UT WHILE
THE HIGH LATITUDE SITES HAVE MAINTAINED MAJOR STORM LEVELS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO SLOWLY RETURN TO ACTIVE TO UNSETTLED LEVELS BY 08
SEP. MINOR TO MAJOR STORM LEVELS SHOULD BE OBSERVED AT BOTH THE
HIGH AND MID LATITUDE SITES DURING THE NIGHT TIME SECTORS ON 06
AND 07 SEP.

III. EVENT PROBABILITIES 06 SEP-08 SEP

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN.

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 SEP 088

PREDICTED 06 SEP-08 SEP 086/084/080

90 DAY MEAN 05 SEP 090

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 04 SEP 055/045

ESTIMATED AFR/AP 05 SEP 036/065

PREDICTED AFR/AP 06 SEP-08 SEP 030/030-020/025-015/025

SOLTERWARN

BT