

FUS 3 BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 237

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 25 AUG 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 24/2100
TO 25/2100Z: SOLAR ACTIVITY WAS LOW THIS PERIOD. THE ONLY
SIGNIFICANT ACTIVITY WAS AN B7/SN EVENT FROM REGION 4293
(S11E49) AT 1259UT. ALL OTHER REGIONS WERE QUIET. ONE NEW
REGION WAS ASSIGNED TODAY, 4296 AT S15E61 IS A SIMPLE "A."

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN AT A LOW LEVEL DURING THIS PERIOD. NO ACTIVE REGIONS
ARE RETURNING AND NO UNUSUAL ACTIVITY IS CURRENTLY ON THE EAST
LIMB.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 24/2100Z TO 25/2100Z:
THE GEOMAGNETIC FIELD WAS AT MINOR STORM LEVELS AT BOTH THE
HIGH AND MID- LATITUDE SITES. SHORT PERIODS OF MAJOR STORM
CONDITIONS WERE OBSERVED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD WILL
DECREASE FROM INITIAL MINOR STORM LEVELS TO AN ACTIVE LEVEL BY
26/1200UT. CONTINUED ACTIVE LEVELS ARE EXPECTED DUE TO A
FAVORABLE CORONAL HOLE LOCATION.

III. EVENT PROBABILITIES 26 AUG-28 AUG

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 AUG 102

PREDICTED 26 AUG-28 AUG 104/107/111

90 DAY MEAN 25 AUG 131

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 24 AUG 023/029

ESTIMATED AFR/AP 25 AUG 032/040

PREDICTED AFR/AP 26 AUG-28 AUG 020/020-015/015-015/015

SOLTERWARN

BT