

HFUS 3 BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 238

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 26 AUG 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 25/2100
TO 26/2100Z: THE SOLAR ACTIVITY WAS LOW DURING THIS PERIOD.

REGION 4289 (S12W05) SHOWED THE MOST ACTIVITY, BUT STILL
REMAINS SMALL. THE NEWLY ASSIGNED REGION 4297 (S16W25) WAS
OBSERVED TO HAVE AN ARCH FILAMENTS SYSTEM. TWO 10CM RADIO — 245 MHz
BURSTS OCCURRED: A 1 MINUTE BURST OF 130FU AT 26/0025UT AND THE
MORE RECENT 1 MINUTE BURST OF 170FU AT 26/1902UT.

IB. SOLAR ACTIVITY FORECAST: THE SOLAR ACTIVITY IS EXPECTED TO
REMAIN AT A LOW LEVEL. REGION 4289 (S12W05) AND 4297 (S16W25)
ALTHOUGH GROWING, ARE STILL TOO SMALL TO PRODUCE SIGNIFICANT
ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 25/2100Z TO 26/2100Z:
THE GEOPHYSICAL ACTIVITY AGAIN WAS AT MINOR STORM LEVELS THIS
PERIOD WITH BRIEF MAJOR STORM INDICATION FROM MID AND HI
LATITUDE SITES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOPHYSICAL ACTIVITY
FORECAST IS FOR CONTINUED MINOR TO MAJOR STORM LEVELS DUE TO
THE TRANSITING OF A CORONAL HOLE ON THE WEST LIMB AND MORE
IMPORTANTLY THE CURRENT PASSING OF THE CENTRAL MERIDIAN BY
ANOTHER JUST 5 TO 15 DEGREES NORTH.

III. EVENT PROBABILITIES 27 AUG-29 AUG

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 AUG 104

PREDICTED 27 AUG-29 AUG 104/106/108

90 DAY MEAN 26 AUG 131

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 25 AUG 036/036

ESTIMATED AFR/AP 26 AUG 027/028

PREDICTED AFR/AP 27 AUG-29 AUG 020/020-020/020-025/025

SOLTERWARN

BT