

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 FOR 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 TRANSITTING 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