

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

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