

HFUS 3 BOU 082200  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 251  
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 08 SEP 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 07/2100 TO 08/2100Z: SOLAR ACTIVITY REMAINS LOW. NO FLARES OF CLASS C MAGNITUDE OR GREATER HAVE BEEN REPORTED IN THE PAST 24 HOURS. SUBFLARE ACTIVITY FROM REGIONS 4304 (N10W62), 4307 (S10E15 AND 4303 (S09W19), WHICH IS SPOTLESS, WAS REPORTED THE FIRST HALF OF THE ZULU DAY. SMALL STRUCTURAL CHANGES ARE STILL BEING NOTED IN VARIOUS REGIONS BUT NOTHING THAT WOULD INDICATE MAJOR DEVELOPMENT HAS OCCURRED. REGION 4311 (N07W05) WAS NUMBERED TODAY AND IS A SIMPLE A TYPE SPOT.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A LOW LEVEL. TWO REGIONS DUE TO RETURN DURING THE NEXT 72 HOURS WERE NON-PRODUCTIVE ON THEIR LAST ROTATION.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 07/2100Z TO 08/2100Z: THE GEOMAGNETIC FIELD EXPERIENCED A BRIEF PERIOD OF MINOR STORM CONDITIONS NEAR 080900Z AND SHOWED UNSETTLED TO ACTIVE CONDITIONS BEFORE AND AFTER THAT TIME.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE CORONAL HOLE THOUGHT TO BE PRESENTLY AFFECTING THE FIELD SHOULD CONTINUE TO DO SO FOR ANOTHER 24 HOURS AND UNSETTLED TO ACTIVE CONDITIONS SHOULD DOMINATE THIS INTERVAL. GENERALLY UNSETTLED CONDITIONS ARE EXPECTED ON 10 AND 11 SEPT.

III. EVENT PROBABILITIES 09 SEP-11 SEP

CLASS M	05/05/05
CLASS X	01/01/01
PROTON	01/01/01
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	08 SEP 117
PREDICTED	09 SEP-11 SEP 118/118/116
90 DAY MEAN	08 SEP 126

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP	07 SEP 015/018
ESTIMATED AFR/AP	08 SEP 020/020
PREDICTED AFR/AP	09 SEP-11 SEP 015/020-010/015-010/015

SOLTERWARN  
BT