

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
DEVELOPEMENT 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