

HFUS3 BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 266

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 22 SEP 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 21/2100Z
TO 22/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. NO SOLAR EVENTS
WERE RECORDED IN THE LAST 24 HOURS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN VERY LOW FOR THE NEXT 72 HOURS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 21/2100Z TO 22/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN AT ACTIVE TO MINOR STORM LEVELS.
THIS ACTIVITY WAS PROBABLY DUE TO A FILAMENT ERUPTION THAT
OCCURRED ON THE 18TH OF SEPTEMBER.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO REMAIN AT ACTIVE TO MINOR STORM LEVELS FOR THE NEXT
48 HOURS. ON SEPTEMBER 25TH THE FIELD IS EXPECTED TO DECLINE TO
ACTIVE TO UNSETTLED CONDITIONS, WITH SUBSTORMING POSSIBLE AT
HIGH LATITUDES. THIS FORECAST IS BASED ON A CORONAL HOLE THAT
NOW APPEARS TO BE WEST OF CENTRAL MERIDIAN.

III. EVENT PROBABILITIES 23 SEP-25 SEP

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 SEP 075

PREDICTED 23 SEP-25 SEP 076/077/078

90 DAY MEAN 22 SEP 086

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 21 SEP 008/011

ESTIMATED AFR/AP 22 SEP 021/022

PREDICTED AFR/AP 23 SEP-25 SEP 020/020-020/025-013/025

SOLTERWARN

BT