

HFUS3 BOU 202200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 264

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 20 SEP 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 19/2100
TO 20/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THE SOLAR DISK
REMAINS SPOTLESS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN VERY LOW FOR THE REST OF THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 19/2100Z TO 20/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN AT ACTIVE LEVELS, WITH
INTERMITTENT PERIODS AT MINOR STORM LEVELS, FOR THE PAST 24
HOURS. THIS ACTIVITY IS THOUGHT TO BE ASSOCIATED WITH A
DISAPPEARING FILAMENT THAT OCCURRED ON THE 14TH OF SEPTEMBER.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE AT UNSETTLED TO ACTIVE LEVELS FOR THE NEXT 48
HOURS. THEN THE FIELD IS EXPECTED TO INCREASE TO ACTIVE TO
MINOR STORM LEVELS ON THE 23RD. THIS ACTIVITY IS BASED ON A
RECURRENT PATTERN THAT HAS BEEN OBSERVED OVER THE PAST THREE
ROTATIONS.

III. EVENT PROBABILITIES 21 SEP-23 SEP

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 SEP 074

PREDICTED 21 SEP-23 SEP 075/076/077

90 DAY MEAN 20 SEP 086

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 19 SEP 028/029

ESTIMATED AFR/AP 20 SEP 020/027

PREDICTED AFR/AP 21 SEP-23 SEP 015/020-015/020-019/030

SOLTERWARN

BT