

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 09/17/86 00:00:00

End : 09/17/86 23:59:00

09/17 22:00

2030

NOUS3 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 260

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 17 SEP 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 16/2100 TO 17/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THE DISK IS SPOTLESS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. NO SIGNIFICANT REGIONS ARE DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 16/2100Z TO 17/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE AT ALL LATITUDES WITH PERIODS OF MINOR STORM CONDITIONS AT SOME STATIONS. A SUDDEN IMPULSE (NEGATIVE DEVIATION) WAS RECORDED ON THE H-TRACE OF SEVERAL MIDDLE LATITUDE STATIONS AT APPROXIMATELY 2220 UT 16 SEPTEMBER.

IIB. GEOPHYSICAL ACTIVITY FORECAST: A RECURRENT ACTIVE PERIOD OF SEVERAL PAST SOLAR ROTATIONS IS DUE TO RETURN. ACTIVE CONDITIONS AT MIDDLE LATITUDES (MINOR STORM AT HIGH LATITUDES) ARE EXPECTED DURING THE NEXT THREE DAYS. OCCASIONAL PERIODS OF MAJOR STORM CONDITIONS ARE POSSIBLE AT SOME MIDDLE AND HIGH LATITUDE STATIONS.

III. EVENT PROBABILITIES 18 SEP-20 SEP

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 SEP 069

PREDICTED 18 SEP-20 SEP 069/069/068

90 DAY MEAN 17 SEP 069

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 16 SEP 008/011

ESTIMATED AFR/AP 17 SEP 011/017

PREDICTED AFR/AP 18 SEP-20 SEP 025/035-025/030-020/025

SOLTERWARN

BT

NNNN

<003>