

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 09/18/86 00:00:00

End : 09/18/86 23:59:00

09/18 22:00

2137

HPO53 BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 261

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 18 SEP 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 17/2100 TO 18/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THE DISK IS SPOTLESS.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 17/2100Z TO 18/2100Z: ACTIVE CONDITIONS WITH EXTENDED PERIODS OF MINOR STORM CONDITIONS WERE OBSERVED AT MIDDLE LATITUDES. MINOR STORM CONDITIONS WITH PERIODS OF MAJOR STORM CONDITIONS WERE OBSERVED AT HIGH LATITUDES. THIS DISTURBANCE BEGAN AS A GRADUAL COMMENCEMENT AND FOLLOWS A RECURRENT PATTERN OF SEVERAL PAST SOLAR ROTATIONS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: ACTIVE CONDITIONS WITH PERIODS OF MINOR STORM CONDITIONS ARE EXPECTED TO CONTINUE AT MIDDLE LATITUDES FOR THE NEXT 24 HOURS. MINOR STORM CONDITIONS WITH OCCASIONAL PERIODS OF MAJOR STORM CONDITIONS ARE EXPECTED TO CONTINUE AT HIGH LATITUDES FOR THE NEXT 24 HOURS. ACTIVITY LEVELS ARE EXPECTED TO RETURN TO ACTIVE CONDITIONS AT ALL LATITUDES IN THE LAST 48 HOURS OF THE FORECAST PERIOD. THIS CONFORMS TO THE RECURRENT ACTIVITY PATTERN OF SEVERAL PAST SOLAR ROTATIONS.

III. EVENT PROBABILITIES 19 SEP-21 SEP

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 SEP 068

PREDICTED 19 SEP-21 SEP 068/068/068

90 DAY MEAN 18 SEP 069

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 17 SEP 013/020

ESTIMATED AFR/AP 18 SEP 023/035

PREDICTED AFR/AP 19 SEP-21 SEP 025/030-020/025-020/025

SOLTERWARN

BT

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