

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 08/18/86 00:00:00

End : 08/18/86 23:59:00

08/18 22:00

2125

1063 BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 230

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 18 AUG 1986

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

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 17/2100Z TO 18/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET AT MID-LATITUDES AND UNSETTLED AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD WILL BE UNSETTLED TO ACTIVE ON 19 AUGUST. THE FIELD IS EXPECTED TO INCREASE TO ACTIVE LEVELS WITH PERIODS OF MINOR STORM CONDITIONS AT HIGH LATITUDES ON 20-21 AUGUST. THIS FORECAST IS BASED ON RECURRENT EFFECTS COMBINING WITH A SIXTY DEGREE FILAMENT THAT DISAPPEARED ON 15 AUGUST.

III. EVENT PROBABILITIES 19 AUG-21 AUG

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 AUG 067

PREDICTED 19 AUG-21 AUG 067/068/068

90 DAY MEAN 18 AUG 070

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 17 AUG 006/009

ESTIMATED AFR/AP 18 AUG 006/012

PREDICTED AFR/AP 19 AUG-21 AUG 012/017-020/025-020/030

SOLTERWARN

BT

NNNN

<003>