

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 08/17/86 00:00:00

End : 08/17/86 23:59:00

08/17 22:00

2123

HFUSS3 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 229

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 17 AUG 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 16/2100 TO 17/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4742 DECAYED FROM A SINGLE SPOT TO DULL SCATTERED PLAGE EARLY IN THE PERIOD.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW FOR THE NEXT THREE DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 16/2100Z TO 17/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET AT MID-LATITUDES AND UNSETTLED AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD WILL BE QUIET TO UNSETTLED ON THE FIRST DAY, BECOMING INCREASINGLY UNSETTLED ON THE SECOND DAY. THE FIELD IS EXPECTED TO BECOME ACTIVE ON THE THIRD DAY WITH PERIODS OF MINOR STORM CONDITIONS AT HIGH LATITUDES. THIS FORECAST IS BASED ON RECURRENT EFFECTS COMBINING WITH A SIXTY DEGREE FILAMENT THAT DISAPPEARED ON 15 AUGUST.

III. EVENT PROBABILITIES 18 AUG-20 AUG

CLASS M 01/01/01

OBSERVED 17 AUG 067

PREDICTED 18 AUG-20 AUG 068/068/068

90 DAY MEAN 17 AUG 070

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 16 AUG 005/009

ESTIMATED AFR/AP 17 AUG 007/012

PREDICTED AFR/AP 18 AUG-20 AUG 007/012-012/017-020/025

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08/17 22:00

2205

HFUSS3 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 229

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

: : : : : CORRECTED COPY : : : : :

ISSUED 2200Z 17 AUG 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 16/2100 TO 17/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4742 DECAYED FROM A SINGLE SPOT TO DULL SCATTERED PLAGE EARLY IN THE PERIOD.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW FOR THE NEXT THREE DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 16/2100Z TO 17/2100Z:

THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET AT MID-LATITUDES AND UNSETTLED AT HIGH LATITUDES.

118. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD WILL BE QUIET TO UNSETTLED ON THE FIRST DAY, BECOMING INCREASINGLY UNSETTLED (ACTIVE AT HIGH LATITUDES) ON THE SECOND DAY. THE FIELD IS EXPECTED TO BECOME ACTIVE ON THE THIRD DAY WITH PERIODS OF MINOR STORM CONDITIONS AT HIGH LATITUDES. THIS FORECAST IS BASED ON RECURRENT EFFECTS COMBINING WITH A SIXTY DEGREE FILAMENT THAT DISAPPEARED ON 15 AUGUST.

1. EVENT PROBABILITIES 18 AUG-20 AUG

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 AUG 067

PREDICTED 18 AUG-20 AUG 068/068/068

90 DAY MEAN 17 AUG 070

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 16 AUG 005/009

ESTIMATED AFR/AP 17 AUG 007/012

PREDICTED AFR/AP 18 AUG-20 AUG 007/012-012/017-020/025

SOLTERWARN

BT

NNNN

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