

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 10/11/87 00:00:00

End : 10/11/87 23:59:00

10/11 22:00

2201

HFUS3 BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 284

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 11 OCT 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 10/2100Z TO 11/2100Z: SOLAR ACTIVITY WAS VERY LOW. NO OPTICAL FLARES WERE OBSERVED DURING THE ANALYSIS PERIOD. REGION 4866 (N22E55) IS THE LARGEST AND MOST COMPLEX REGION ON THE DISK AT PRESENT.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. REGION 4866 STILL SHOWS POTENTIAL TO SIGNIFICANTLY INCREASE THE SOLAR ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 10/2100Z TO 11/2100Z: THE GEOMAGNETIC FIELD WAS GENERALLY UNSETTLED TO ACTIVE. HIGH LATITUDES EXPERIENCED SEVERAL PERIODS OF MINOR STORM CONDITIONS. THE INCREASED ACTIVITY MAY HAVE BEEN CAUSED BY THE NORTHERN CORONAL HOLE EXTENSION.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN UNSETTLED TO ACTIVE THROUGH THE FORECAST PERIOD. INTERMITTENT PERIODS OF MINOR STORM CONDITIONS AT HIGH LATITUDES ARE LIKELY.

III. EVENT PROBABILITIES 12 OCT-14 OCT

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 OCT 102

PREDICTED 12 OCT-14 OCT 100/100/099

90 DAY MEAN 11 OCT 090

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 10 OCT 006/011

ESTIMATED AFR/AP 11 OCT 022/028

PREDICTED AFR/AP 12 OCT-14 OCT 020/025-015/020-010/020

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