

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 10/13/87 00:00:00

End : 10/13/87 23:59:00

10/13 22:00

2200

HFUS3 BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 286

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 13 OCT 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 12/2100Z TO 13/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4866 (N22E30) PRODUCED SEVERAL SUBFLARES, THE LARGEST BEING A B7/SN AT 12/2216Z. REGION 4869 (S26W22) HAS SHOWN GROWTH DURING THIS PERIOD. NEWLY ASSIGNED REGION 4870 (S24E11) EMERGED ON THE DISK AND REGION 4871 (S28E66) ROTATED ONTO THE DISK.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. REGIONS 4866 AND 4869 BOTH SHOW POTENTIAL TO INCREASE THE ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 12/2100Z TO 13/2100Z: THE GEOMAGNETIC FIELD WAS GENERALLY UNSETTLED TO ACTIVE. HIGH LATITUDES HAVE EXPERIENCED SOME MINOR STORM CONDITIONS LATE IN THE PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY UNSETTLED TO ACTIVE BASED ON RECURRENCE.

III. EVENT PROBABILITIES 14 OCT-16 OCT

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 OCT 106

PREDICTED 14 OCT-16 OCT 108/106/106

90 DAY MEAN 13 OCT 090

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 12 OCT 006/010

ESTIMATED AFR/AP 13 OCT 015/025

PREDICTED AFR/AP 14 OCT-16 OCT 010/017-010/015-010/015

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