

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 12/15/87 00:00:00

End : 12/15/87 23:59:00

12/15 22:00

2202

HFUS3 BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 349

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 15 DEC 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 14/2100Z TO 15/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4906 (S32E46) IS THE MOST COMPLEX REGION AND HAS PRODUCED SEVERAL SUBFLARES THE LARGEST BEING C1/SF AT 15/0850Z.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW, HOWEVER, REGION 4906 HAS SHOWN POTENTIAL TO INCREASE THE ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 14/2100Z TO 15/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET TO UNSETTLED. LATE IN THE PERIOD MID-LATITUDES EXPERIENCED ACTIVE CONDITIONS WHILE HIGH LATITUDES EXPERIENCED MINOR STORM CONDITIONS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE. THE INCREASE OF FORECAST ACTIVITY FOR DECEMBER 16 AND 17 IS BASED ON AN EQUATORWARD EXTENSION OF A SOUTHERN CORONAL HOLE AND RECURRENCE.

III. EVENT PROBABILITIES 16 DEC-18 DEC

CLASS M 10/10/10

CLASS X 01/01/01

ROTATION 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 DEC 097

PREDICTED 16 DEC-18 DEC 097/097/097

90 DAY MEAN 15 DEC 096

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 14 DEC 002/006

ESTIMATED AFR/AP 15 DEC 009/010

PREDICTED AFR/AP 16 DEC-18 DEC 015/016-012/013-007/014

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