

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 12/04/87 00:00:00

End : 12/04/87 23:59:00

12/04 22:00

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HFUS3 BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 338

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 04 DEC 1987

I. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 03/2100Z TO 04/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. A NEW REGION 4901 (S23E19) WAS NUMBERED AND IS GROWING SLOWLY AS A SIMPLE BIPOLAR GROUP WITHOUT PENUMBRA. THE REMAINDER OF THE SOLAR DISK WAS QUIET AND STABLE.

II. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW FOR THE NEXT THREE DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 03/2100Z TO 04/2100Z: THE GEOMAGNETIC FIELD WAS GENERALLY QUIET. A PERIOD OF UNSETTLED LEVELS AT MID-LATITUDES AND UNSETTLED TO SLIGHTLY ACTIVE LEVELS AT HIGH LATITUDES WAS OBSERVED FROM 04/1800-04/2100Z.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET TO UNSETTLED FOR 05 DECEMBER, BECOMING INCREASINGLY UNSETTLED WITH ISOLATED ACTIVE PERIODS FOR 06-07 DECEMBER.

III. EVENT PROBABILITIES 05 DEC-07 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 DEC 088

PREDICTED 05 DEC-07 DEC 089/089/090

90 DAY MEAN 04 DEC 096

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 03 DEC 012/015

ESTIMATED AFR/AP 04 DEC 005/008

PREDICTED AFR/AP 05 DEC-07 DEC 005/012-010/014-012/016

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