

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 12/06/87 00:00:00

End : 12/06/87 23:59:00

12/06 22:00

2201

HFUS3 BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 340

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 06 DEC 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 05/2100Z TO 06/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4901 (S22W10) PRODUCED TWO SUBFLARES, THE LARGEST BEING A C3.7 AT 0556Z. THE REGION CONTINUED TO GROW, DEVELOPING PENUMBRA ON BOTH LEADER AND FOLLOWER SPOTS. REGION 4898 (S22W90) BEGAN TO RE-EMERGE AND APPEARED TO HAVE DEVELOPED AN H TYPE SPOT BEFORE IT ROTATED OUT OF VIEW. AN EMERGING FLUX REGION WAS OBSERVED AT N16W13 NEAR THE END OF THE PERIOD.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGION 4901 IS EXPECTED TO CONTINUE TO PRODUCE SMALL FLARES. OLD REGION 4890 IS DUE TO RETURN ON 08 DECEMBER.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 05/2100Z TO 06/2100Z: THE GEOMAGNETIC FIELD WAS QUIET TO UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY UNSETTLED. ACTIVE PERIODS ARE POSSIBLE EARLY ON 07 DECEMBER DUE TO CORONAL HOLE EFFECTS AND AGAIN ON 09 DECEMBER BASED ON RECURRENCE.

III. EVENT PROBABILITIES 07 DEC-09 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 DEC 088

PREDICTED 07 DEC-09 DEC 090/093/096

90 DAY MEAN 06 DEC 095

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 05 DEC 014/021

ESTIMATED AFR/AP 06 DEC 009/011

PREDICTED AFR/AP 07 DEC-09 DEC 012/016-010/015-015/019

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