

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 12/31/87 00:00:00

End : 12/31/87 23:59:00

12/31 22:00

2200

HFUS3 BOU 312200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 365

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 31 DEC 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 30/2100Z TO 31/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4912 (S33E00) CONTINUES TO SLOWLY DECAY AND PRODUCED ONLY ONE SMALL FLARE DURING THE PERIOD. REGION 4915 (S33W59) WAS QUIET AND STABLE. A NEW REGION WAS BEGINNING TO EMERGE AT S20E68 AT FORECAST ISSUE TIME. THE REMAINDER OF THE DISK WAS QUIET AND STABLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 30/2100Z TO 31/2100Z: THE GEOMAGNETIC FIELD WAS QUIET AT MID-LATITUDES AND QUIET TO UNSETTLED AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO CONTINUE AT QUIET TO UNSETTLED LEVELS FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 01 JAN-03 JAN

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PLASMA GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 DEC 103

PREDICTED 01 JAN-03 JAN 102/101/100

90 DAY MEAN 31 DEC 098

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 30 DEC 002/005

ESTIMATED AFR/AP 31 DEC 003/007

PREDICTED AFR/AP 01 DEC-03 JAN 005/011-005/012-010/012

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