

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 12/30/87 00:00:00

End : 12/30/87 23:59:00

12/30 22:00

2201

HFUS3 BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 364

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 30 DEC 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 29/2100Z TO 30/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4912

(S35E13) PRODUCED A FEW SMALL FLARES, THE LARGEST BEING A C4/1F AT 0156Z. THE REGION APPEARS TO BE SLOWLY DECAYING AT

THIS TIME. REGION 4915 (S35W48) GREW SOMEWHAT, DEVELOPING PENUMBRA ON THE LEADER SPOT, AND PRODUCED A C1/SN FLARE AT 1511Z. THE REMAINDER OF THE SOLAR DISK WAS QUIET AND STABLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. SINCE THERE IS A CHANCE FOR REGION 4912 TO DESTABILIZE DURING ITS DECAY PHASE IT CONTINUES TO POSE A SLIGHT M-FLARE THREAT.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 29/2100Z TO 30/2100Z: THE GEOMAGNETIC FIELD WAS QUIET AT ALL LATITUDES.

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

III. EVENT PROBABILITIES 31 DEC-02 JAN

CLASS M 15/15/10

CLASS X 01/01/01

PROTON 01/01/01

POF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 DEC 103

PREDICTED 31 DEC-02 JAN 102/100/100

90 DAY MEAN 30 DEC 098

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 29 DEC 003/006

ESTIMATED AFR/AP 30 DEC 003/006

PREDICTED AFR/AP 31 DEC-02 JAN 007/011-010/011-007/012

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