

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 12/17/87 00:00:00

End : 12/17/87 23:59:00

12/17 22:00

2202

HFUS3 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

3DF NUMBER 351

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 17 DEC 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 16/2100Z TO 17/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4906 (S32E23) IS THE MOST COMPLEX REGION ON THE DISK. IT HAS PRODUCED NUMEROUS SUBFLARES THIS PERIOD, THE LARGEST BEING A C1 AT 17/0756Z. NEW REGION 4909 (N21E69) ROTATED ONTO THE DISK AS A SIMPLE BIPOLAR SPOT GROUP. THE REMAINDER OF THE DISK AND LIMBS ARE QUIET AND STABLE.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 16/2100Z TO 17/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED TO ACTIVE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY UNSETTLED AT MIDDLE LATITUDES, WHILE HIGH LATITUDES MAY EXPERIENCE UNSETTLED TO ACTIVE CONDITIONS.

III. EVENT PROBABILITIES 18 DEC-20 DEC

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 DEC 095

PREDICTED 18 DEC-20 DEC 097/097/097

30 DAY MEAN 17 DEC 096

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 16 DEC 036/051

ESTIMATED AFR/AP 17 DEC 013/023

PREDICTED AFR/AP 18 DEC-20 DEC 010/018-007/015-015/018

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