

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 10/22/87 00:00:00

End : 10/22/87 23:59:00

10/22 22:00

2200

HFUS3 BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 295

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 22 OCT 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 21/2100Z TO 22/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THE RATE OF GROWTH IN REGIONS 4872 (S42W13) AND 4873 (S33E09) APPEARS TO HAVE DECLINED. ONLY ONE C-CLASS X-RAY FLARE (NO OPTICAL CORRELATION) OCCURRED DURING THE PAST 24 HOURS. OTHER REGIONS HAVE BEEN QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. ISOLATED C-CLASS ACTIVITY IS EXPECTED FROM REGIONS 4872 AND 4873.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 21/2100Z TO 22/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT QUIET TO UNSETTLED LEVELS FOR THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY UNSETTLED TO ACTIVE FOR THE NEXT THREE DAYS. A SUDDEN IMPULSE OF ABOUT 15 NT OCCURRED AT BOULDER AT 22/1950UT AND MAY PRECEDE MORE ACTIVE CONDITIONS OVER THE NEXT 24 HOURS; HOWEVER, A GEOMAGNETIC STORM IS NOT EXPECTED AT THIS TIME.

III. EVENT PROBABILITIES 23 OCT-25 OCT

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 OCT 089

PREDICTED 23 OCT-25 OCT 087/085/082

90 DAY MEAN 22 OCT 092

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 21 OCT 010/020

ESTIMATED AFR/AP 22 OCT 004/010

PREDICTED AFR/AP 23 OCT-25 OCT 015/017-010/018-010/016

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