

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 10/21/87 00:00:00

End : 10/21/87 23:59:00

10/21 22:00

2235

HFUS3 BOU 212200 COR

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 294

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 21 OCT 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 20/2100Z TO 21/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. ONLY B-LEVEL X-RAY FLARES HAVE OCCURRED DURING THE PAST 24 HOURS. REGIONS 4872 (S42W02) AND 4873 (S33E22) HAVE GROWN SINCE YESTERDAY BUT NOT DRAMATICALLY. OTHER REGIONS HAVE BEEN QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. THE REGIONS PRESENT ON THE DISK DO NOT APPEAR CAPABLE OF ENERGETIC ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 20/2100Z TO 21/2100Z: THE GEOMAGNETIC FIELD AT MIDDLE LATITUDES HAS BEEN AT QUIET TO UNSETTLED LEVELS FOR THE PAST 24 HOURS. THE HIGH LATITUDE FIELD HAS BEEN AT UNSETTLED TO ACTIVE LEVELS WITH PERIODS OF MINOR STORM CONDITIONS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE.

III. EVENT PROBABILITIES 22 OCT-24 OCT

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 OCT 090

PREDICTED 22 OCT-24 OCT 086/082/080

90 DAY MEAN 21 OCT 092

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 20 OCT 004/012

ESTIMATED AFR/AP 21 OCT 010/020

PREDICTED AFR/AP 22 OCT-24 OCT 010/020-015/015-010/018

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