

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 10/15/86 00:00:00

End : 10/15/86 23:59:00

10/15 22:00

2325

HFUS3 BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 288

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 15 OCT 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 14/2100 TO 15/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 24 HOURS. PREVIOUS REGIONS APPEAR TO HAVE ROTATED FAR ENOUGH AROUND THE WEST LIMB THAT X-RAY ACTIVITY HAS DECREASED SIGNIFICANTLY SINCE YESTERDAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW FOR THE NEXT THREE DAYS. THERE HAVE BEEN REPORTS OF SOME MINOR SURGING ON THE EAST LIMB, BUT AT PRESENT THERE ARE NO SIGNIFICANT REGIONS EXPECTED TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 14/2100Z TO 15/2100Z: THE GEOMAGNETIC FIELD HAS BEEN ACTIVE TO UNSETTLED AT MID LATITUDES AND AT ACTIVE TO MINOR STORM LEVELS WITH PERIODS OF MAJOR STORM CONDITIONS AT HIGH LATITUDE STATIONS. . . . GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY ACTIVE AT MID LATITUDES AND AT ACTIVE TO MINOR STORM LEVELS AT HIGH LATITUDES.

A) THE NEXT TWO DAYS.

UNSETTLED TO ACTIVE CONDITIONS ARE EXPECTED ON THE THIRD DAY. THE MAIN INFLUENCE ON THE FIELD CONTINUES TO BE THE RECURRENT PATTERN MENTIONED IN THE PREVIOUS REPORTS.

III. EVENT PROBABILITIES 16 OCT-18 OCT

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 OCT 072

PREDICTED 16 OCT-18 OCT 071/070/070

90 DAY MEAN 15 OCT 070

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 14 OCT 023/039

ESTIMATED AFR/AP 15 OCT 020/030

PREDICTED AFR/AP 16 OCT-18 OCT 020/030-020/030-012/025

SOLTERWARN

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