

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 11/10/87 00:00:00

End : 11/10/87 23:59:00

11/10 22:00

2214

HFUS3 BOU 102200 RTD

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 314

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 10 NOV 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 09/2100Z TO 10/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4884

(N15W17) PRODUCED THE ONLY SUBFLARE OBSERVED DURING THE PERIOD AND APPEARS TO BE ON THE DECLINE. REGION 4885 (N30W63) GREW SLIGHTLY AND IS APPROACHING THE WEST LIMB. THE REMAINING REGIONS WERE QUIET AND STABLE. NO NEW REGIONS WERE NUMBERED.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 09/2100Z TO 10/2100Z:

THE GEOMAGNETIC FIELD WAS UNSETTLED TO SLIGHTLY ACTIVE AT MID-LATITUDES AND WAS ACTIVE WITH OCCASIONAL MINOR STORM PERIODS AT HIGH LATITUDES UNTIL ABOUT 1500Z WHEN CONDITIONS DIMINISHED TO QUIET TO UNSETTLED LEVELS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE FOR 11-12 NOVEMBER IN RESPONSE TO THE 06 NOVEMBER DISAPPEARING FILAMENT EVENT. CONDITIONS ARE EXPECTED TO DIMINISH TO GENERALLY UNSETTLED LEVELS ON 13 NOVEMBER.

III. EVENT PROBABILITIES 11 NOV-13 NOV

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 NOV 091

PREDICTED 11 NOV-13 NOV 090/090/090

90 DAY MEAN 10 NOV 093

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 09 NOV 008/013

ESTIMATED AFR/AP 10 NOV 016/020

PREDICTED AFR/AP 11 NOV-13 NOV 018/022-018/023-013/017

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11/10 22:01

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HFUS3 BOU 102201

314

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