

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 10/06/87 00:00:00

End : 10/06/87 23:59:00

1006 22:00

2222

HFUS3 BOU 062200 COR

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 279

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 06 OCT 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 05/2100Z TO 06/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4862 (N33E16) EVOLVED FORWARD (WEST) OF ITS OLDER PLAGE AND SPOT AREA OF RECENT DAYS WITH FAIRLY SIGNIFICANT EVENTS. IT PRODUCED A C1/OB FLARE WITH ASSOCIATED DISAPPEARING FILAMENT AT 5/2138Z IN THE EMERGING FLUX AREA OF HFUS3 BOU 062200 COR

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IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGIONS 4860 AND 4862 PROVIDE A VERY SLIGHT CHANCE OF MODERATE ACTIVITY. RETURNING REGION 4857 IS EXPECTED THE THIRD DAY (9 OCT).

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 05/2100Z TO 06/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED TO QUIET.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE. A DISTURBANCE CAUSED BY C1/1F FLARE WITH AN EIGHT DEGREE DISAPPEARING FILAMENT FROM REGION 4859 ON 3/1659Z IS EXPECTED TO START AND END DURING THE NEXT THREE DAYS. HIGH LATITUDES SHOULD OBSERVE ACTIVE TO MINOR STORM LEVELS WITH OCCASIONAL MAJOR STORM PERIODS DURING LOCAL MIDNIGHTS.

III. EVENT PROBABILITIES 07 OCT-09 OCT

CLASS M 05/02/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 OCT 090

PREDICTED 07 OCT-09 OCT 089/087/085

90 DAY MEAN 06 OCT 089

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 05 OCT 006/011

ESTIMATED AFR/AP 06 OCT 005/012

PREDICTED AFR/AP 07 OCT-09 OCT 015/018-019/025-016/025

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1606 22:00

2253

HFUS3 BOU 062200 COR02

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 279

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FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 279

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ESTIMATED AFR/AP 06 OCT 005/012

PREDICTED AFR/AP 07 OCT-09 OCT 015/018-019/025-016/025

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1 06 22:00

2307

HFUS3 BOU 062200 COR04

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