

SESC Solar Summary and Forecast - For Joe Hirman

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

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

10/06 22:00

2222

HFUS3 BOU 062200 CDR

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 C1/0B FLARE WITH ASSOCIATED DISAPPEARING FILAMENT AT 5/2138Z IN THE EMERGING FLUX AREA OF HFUS3 BOU 062200 CDR

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OLDER AND NEWER PARTS ARE ALMOST SEPARATED AND MAY BE NUMBERED SEPARATELY IF THE CURRENT PATTERN CONTINUES. REGION 4860

(N31W19) DECAYED IN MOST ASPECTS AND PRODUCED ONE SUBFLARE.

NO NEW REGION WAS ASSIGNED.

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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1706 22:00

2253

HFUS3 BOU 062200 COR02
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 279

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 06 OCT 1987

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EMERGING FLUX AREA DHFUS3 BOU 062200 COR03
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 279

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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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1 06 22:00

2307

HFUS3 BOU 062200 COR04

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

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