

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 11/04/87 00:00:00

End : 11/04/87 23:59:00

11/04 22:00

2219

HFUS3 BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 308

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 04 NOV 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 03/2100Z

TO 04/2100Z: SOLAR ACTIVITY HAS BEEN LOW. REGION 4875 (N29W67)

CONTINUED AS THE MAIN ACTIVE CENTER. IT PRODUCED THE LARGEST

EVENT OF THE DAY, A M1/OF FLARE ATTAINING MAXIMUM AT 1720Z. A

TYPE II WAS RECORDED ALONG WITH THE EVENT. THE REGION ALSO

GENERATED INFREQUENT SMALLHXUS BOU 042145 RTD

GEALERT BOU308 042200Z

SOLQUIET

MAGALERT 05

DISAPPEARING FILAMENT

BT

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11/04 22:00

2221

HFUS3 BOU 042200 RTD

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

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EVENT OF THE DAY, A M1/OF FLARE ATTAINING MAXIMUM AT 1720Z. A

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GENERATED INFREQUENT SMALL SUBFLARES. REGION 4883 (S22E39)

YIELDED ONE SUBFLARE AS IT GREW IN ALL PARAMETERS. NEWLY

ASSIGNED REGION 4884 (N18E71) CONSISTS OF A SINGLE SPOT AND A

DAB OF PLAGE.

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

GENERALLY VERY LOW. ADDITIONAL M-CLASS ACTIVITY IS POSSIBLE

FROM REGION 4875 AS IT APPROACHES WEST LIMB. REGION 4883 MAY

ALSO CONTRIBUTE TO INCREASED ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 03/2100Z TO 04/2100Z:

THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED TO

QUIET. HIGH LATITUDES BEGAN THE INTERVAL WITH SHORT-LIVED

MAJOR STORM CONDITIONS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS

EXPECTED TO BE GENERALLY UNSETTLED TO ACTIVE EARLY IN THE

PERIOD. A RESPONSE FROM DISAPPEARING FILAMENTS OF 01 NOV. IS

ANTICIPATED ANY TIME. THIS DISTURBANCE SHOULD BE FOLLOWED BY

GENERALLY QUIET TO UNSETTLED CONDITIONS WITH HIGH LATITUDES
EXPERIENCING A RELATIVELY HIGHER LEVEL OF ACTIVITY.

III. EVENT PROBABILITIES 05 NOV-07 NOV

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

RAAF GREEN

OTTAWA 10.7 CM FLUX

OBSERVED 04 NOV 105

PREDICTED 05 NOV-07 NOV 106/106/105

90 DAY MEAN 04 NOV 093

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 03 NOV 022/032

ESTIMATED AFR/AP 04 NOV 005/012

PREDICTED AFR/AP 05 NOV-07 NOV 015/020-010/015-005/020

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