

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 SMALHXUS BOU 042145 RTD

GEOALERT 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

SDF NUMBER 308

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

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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 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 PREDICTED 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

EMF 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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