

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 11/23/87 00:00:00

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

11/23 22:00

2217

HFUS3 BOU 232200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 327

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 23 NOV 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 22/2100Z TO 23/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGIONS 4891 (S21W18) AND 4890 (S25W78) REMAINED STABLE AND PRODUCED SMALL BURSTS.

REGION 4896 (S33W31) CONTINUED TO EMERGE RAPIDLY AND IS NOW A SMALL CLASS D GROUP. SMALL REGION 4897 (S23E50) EMERGED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE VERY LOW WITH ISOLATED CLASS M FLARES POSSIBLE FROM REGIONS 4890 AND 4891. CONTINUED RAPID EMERGENCE OF REGION 4896 COULD RESULT IN THIS REGION ALSO BECOMING AN M FLARE PRODUCER.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 22/2100Z TO 23/2100Z: THE GEOMAGNETIC FIELD WAS QUIET UNTIL NEAR 23/0700Z WHEN MAJOR STORM CONDITIONS BEGAN AT HIGH LATITUDES AND MINOR-MAJOR STORM LEVELS WERE OBSERVED AT MID LATITUDES. ACTIVE TO MINOR STORM LEVELS WERE OBSERVED FOR THE LAST QUARTER OF THE PERIOD. NO SUDDEN COMMENCEMENT PRECEDED THIS DISTURBANCE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD BE AT ACTIVE TO MINOR STORM LEVELS FOR 24 NOV. ACTIVE CONDITIONS ARE FORECAST FOR 25 NOV BECOMING UNSETTLED TO ACTIVE ON 26 NOV.

III. EVENT PROBABILITIES 24 NOV-26 NOV

CLASS M 25/20/20

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 NOV 118

PREDICTED 24 NOV-26 NOV 117/115/113

90 DAY MEAN 23 NOV 094

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 22 NOV 005/010

ESTIMATED AFR/AP 23 NOV 027/045

PREDICTED AFR/AP 24 NOV-26 NOV 020/034-015/025-012/018

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