

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 11/26/87 00:00:00

End : 11/26/87 23:59:00

11/26 22:00

2200

HFUS3 BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 330

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 26 NOV 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 25/2100Z TO 26/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4891 (S21W57) PRODUCED A C3/SF FLARE AT 26/0321Z. THIS REGION CONTINUES TO DECAY. REGION 4896 (S33W70) CONTINUED TO EMERGE BUT PRODUCED NO FLARES. SPOTLESS REGION 4895 (N29E11) SUBFLARED SEVERAL TIMES.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE VERY LOW. AN ISOLATED CLASS M FLARE IS POSSIBLE ESPECIALLY FROM REGION 4896. ANOTHER LONG DURATION CLASS C FLARE IS POSSIBLE FROM REGION 4895.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 25/2100Z TO 26/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED TO ACTIVE AT MIDDLE LATITUDES AND ACTIVE AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD REMAIN UNSETTLED TO ACTIVE UNTIL THE LATTER HALF OF 27 NOV WHEN ACTIVE TO MINOR STORM CONDITIONS ARE EXPECTED. MINOR STORM LEVELS SHOULD OCCUR ON 28 NOV. THIS DISTURBANCE IS FORECAST BASED UPON A CORONAL MASS EJECTION OBSERVED FROM REGION 4895 ON 24 NOV. RESIDUAL ACTIVE GEOMAGNETIC CONDITIONS SHOULD OCCUR ON 29 NOV.

III. EVENT PROBABILITIES 27 NOV-29 NOV

CLASS M 15/15/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 NOV 104

PREDICTED 27 NOV-29 NOV 102/100/099

90 DAY MEAN 26 NOV 095

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 25 NOV 009/017

ESTIMATED AFR/AP 26 NOV 014/020

PREDICTED AFR/AP 27 NOV-29 NOV 018/023-030/033-015/018

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