

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 10/30/87 00:00:00

End : 10/30/87 23:59:00

10/30 22:00

2200

HFUS3 BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 303

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 30 OCT 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 29/2100Z TO 30/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4878 (S21E10) SUPPORTED BRIGHTENINGS; ACTIVE, DARK AND PARTIALLY DISAPPEARING FILAMENTS DURING THE PERIOD. ALTHOUGH NOT IMMPRESSIVE IN WHITE LIGHT CLASSIFICATION, IT HAS CONTINUED TO INCREASE UNSTEADILY IN MOST OTHER ASPECTS. NO NEW REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGION 4878 PROVIDES A VERY SLIGHT CHANCE OF MODERATE ACTIVITY WITH THE POTENTIAL OF AN HYDER-FLARE.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 29/2100Z TO 30/2100Z: THE GEOMAGNETIC FIELD WAS ACTIVE TO UNSETTLED. MINOR STORM CONDITIONS OCCURRED AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE ACTIVE TO UNSETTLED. MINOR STORM CONDITIONS ARE POSSIBLE AT HIGH LATITUDES.

III. EVENT PROBABILITIES 31 OCT-02 NOV

CLASS M 10/15/10

CLASS X 01/02/01

POLARON 01/02/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 OCT 106

PREDICTED 31 OCT-02 NOV 103/099/096

90 DAY MEAN 30 OCT 092

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 29 OCT 017/023

ESTIMATED AFR/AP 30 OCT 015/020

PREDICTED AFR/AP 31 OCT-02 NOV 016/025-014/020-016/025

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