

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 11/13/87 00:00:00

End : 11/13/87 23:59:00

11/13 22:00

2200

HFUS3 BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 317

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 13 NOV 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 12/2100Z TO 13/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4890 (S25E54) IS THE ONLY SPOTTED REGION. THIS REGION IS LARGE BUT APPEARS TO BE MAGNETICALLY SIMPLE AT THIS TIME. ONLY SUBFLARES AND A FEW C-CLASS X-RAY BURSTS HAVE OCCURRED DURING THE PAST DAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGION 4890 IS EXPECTED TO PRODUCE C-CLASS X-RAY ACTIVITY. THE LIKELIHOOD OF M-CLASS ACTIVITY IS LESS THAN PREVIOUSLY THOUGHT.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 12/2100Z TO 13/2100Z: THE GEOMAGNETIC FIELD AT MIDDLE LATITUDES HAS BEEN UNSETTLED TO ACTIVE FOR THE PAST 24 HOURS. THE HIGH LATITUDE FIELD HAS BEEN AT ACTIVE TO MINOR STORM LEVELS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED AT MIDDLE LATITUDES AND UNSETTLED TO ACTIVE AT HIGH LATITUDES.

III. EVENT PROBABILITIES 14 NOV-16 NOV

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 NOV 095

PREDICTED 14 NOV-16 NOV 095/095/095

90 DAY MEAN 13 NOV 093

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 12 NOV 020/024

ESTIMATED AFR/AP 13 NOV 020/026

PREDICTED AFR/AP 14 NOV-16 NOV 010/022-012/015-012/018

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