

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 02/13/87 00:00:00

End : 02/13/87 23:59:00

02/13 22:00

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HFUS3 BOU 132200 RTD

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 044

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 13 FEB 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 12/2100Z TO 13/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. NO NEW REGIONS WERE NUMBERED TODAY AND THE DISK IS SPOTLESS AND QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW FOR THE NEXT THREE DAYS. NO SIGNIFICANT REGIONS ARE DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 12/2100Z TO 13/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO QUIET AT ALL LATITUDES. A FEW BRIEF PERIODS OF ACTIVE CONDITIONS WERE OBSERVED EARLY IN THE PERIOD AT ONE HIGH LATITUDE STATION. THE GEOMAGNETIC DISTURBANCE OF 12 FEB 87 WAS SHORT-LIVED AND OF AN UNKNOWN ORIGIN.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET AT MIDDLE LATITUDES AND UNSETTLED AT HIGH LATITUDES ON 14-15 FEBRUARY. THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED AT ALL LATITUDES (WITH OCCASIONAL ACTIVE PERIODS AT THE HIGHER LATITUDES) ON 16 FEBRUARY. AN ABSENCE OF RECENT SOLAR ACTIVITY AND THE PRESENCE OF A WEAK RECURRENT PATTERN IN THE GEOMAGNETIC ACTIVITY OF SEVERAL PAST SOLAR R)(&'?)

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02/13 22:00

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III. EVENT PROBABILITIES 14 FEB-16 FEB

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 FEB 070

PREDICTED 14 FEB-16 FEB 070/071/071

90 DAY MEAN 13 FEB 073

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 12 FEB 015/020

ESTIMATED AFR/AP 13 FEB 005/010

PREDICTED AFR/AP 14 FEB-16 FEB 007/010-007/010-010/014

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