

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

22  
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

2224  
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SOLAR ACTIVITY AND THE PRESENCE OF A WEAK RECURRENT PATTERN IN  
THE GEOMAGNETIC ACTIVITY OF SEVERAL PAST SOLAR ROTATIONS IS THE  
BASIS OF THIS FORECAST.

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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