

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 12/13/87 00:00:00

End : 12/13/87 23:59:00

12/13 22:00

2234

HFUS3 BOU 132200 RTD
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 347

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 13 DEC 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 12/2100Z
TO 13/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4906
(S32E70) HAS GROWN IN BOTH WHITE LIGHT AND H-ALPHA BUT HAS NOT
PRODUCED ANY SIGNIFICANT ACTIVITY. THE REST OF THE DISK AND
LIMB IS QUIET AND STABLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN VERY LOW. REGION 4906 SHOWS POTENTIAL TO INCREASE
THE ACTIVITY LEVEL.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 12/2100Z TO 13/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN AT QUIET LEVELS FOR MID-
LATITUDES. HIGH LATITUDES HAVE BEEN AT QUIET TO UNSETTLED
LEVELS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE GENERALLY UNSETTLED TO ACTIVE. THE INCREASE IN
ACTIVITY, FORECAST FOR 16 DECEMBER, IS DUE TO THE EQUATORWARD
EXTENSION OF THE SOUTHERN CORONAL HOLE.

III. EVENT PROBABILITIES 14 DEC-16 DEC

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 DEC 094

PREDICTED 14 DEC-16 DEC 096/098/100

90 DAY MEAN 13 DEC 095

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 12 DEC 008/012

ESTIMATED AFR/AP 13 DEC 003/008

PREDICTED AFR/AP 14 DEC-16 DEC 010/012-007/012-015/016

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12/13 22:00

2307

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IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. REGION 4906 SHOWS POTENTIAL TO INCREASE THE ACTIVITY LEVEL.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 12/2100Z TO 13/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT QUIET LEVELS FOR MID-LATITUDES. HIGH LATITUDES HAVE BEEN AT QUIET TO UNSETTLED LEVELS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY UNSETTLED TO ACTIVE. THE INCREASE IN ACTIVITY, FORECAST FOR 16 DECEMBER, IS DUE TO THE EQUATORWARD EXTENSION OF THE SOUTHERN CORONAL HOLE.

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PLAIN

RETRANSMITTED FOR AFGWC/WSE - NO CHANGE TO TEXT

BT

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