

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 12/14/87 00:00:00

End : 12/14/87 23:59:00

12/14 22:00

2215

HFUS3 BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 348

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 14 DEC 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 13/2100Z

TO 14/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4906

(S33E58) PRODUCED A C9/1N AT 14/0420Z. NEW REGION 4907 (S25E19)

EMERGED AS A SIMPLE BIPOLAR SPOT GROUP. NEW REGION 4908 (S26E60)

EMERGED AS A UNIPOLAR SPOT GROUP.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPHFUS3 BOU 142200

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IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO

REMAIN VERY LOW, HOWEVER, REGION 4906 HAS SHOWN POTENTIAL TO

INCREASE THE ACTIVITY LEVELS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 13/2100Z TO 14/2100Z:

THE GEOMAGNETIC FIELD HAS BEEN AT QUIET LEVELS AT MID-

LATITUDES AND QUIET TO UNSETTLED LEVELS AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS

EXPECTED TO BE GENERALLY UNSETTLED TO ACTIVE. THE INCREASE IN

FORECAST ACTIVITY IS BASED ON AN EQUATORWARD EXTENSION OF THE

SOUTHERN CORONAL HOLE AND RECURRENCE.

III. EVENT PROBABILITIES 15 DEC-17 DEC

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 DEC 094

PREDICTED 15 DEC-17 DEC 094/095/095

90 DAY MEAN 14 DEC 095

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 13 DEC 002/006

ESTIMATED AFR/AP 14 DEC 002/006

PREDICTED AFR/AP 15 DEC-17 DEC 007/012-015/016-012/013

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