

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 10/01/87 00:00:00

End : 10/01/87 23:59:00

10/01 22:00

2201

HFUS3 BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 274

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 01 OCT 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 30/2100Z

TO 01/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4860

(N30E46) APPEARS TO HAVE GROWN SIGNIFICANTLY OVER THE LAST 24

HOURS WITH ACTIVITY SLOWLY INCREASING. REGION 4859 (S24E33)

APPEARS TO HAVE STABILIZED WITH NO SIGNIFICANT ACTIVITY OVER

THE SUMMARY PERIOD. A PORTION OF REGION 4859 WAS ASSIGNED

REGION NUMBER 4861 (S22E23) ON THE BASIS OF THE PREVIOUS

MAGNETIC ANALYSIS THAT INDICATED TWO BIPOLES WITHIN 4859.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE

VERY LOW. ACTIVITY FROM REGION 4860 IS EXPECTED TO INCREASE

GRADUALLY OVER THE NEXT THREE DAYS. REGION 4859 IS EXPECTED

TO REMAIN STABLE.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 30/2100Z TO 01/2100Z:

THE GEOMAGNETIC FIELD HAS BEEN AT UNSETTLED TO QUIET

LEVELS FOR THE PAST 24 HOURS. ACTIVE CONDITIONS WERE

OBSERVED AT HIGH LATITUDES THROUGHOUT THE PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS

EXPECTED TO BE GENERALLY UNSETTLED AT MID-LATITUDES AND ACTIVE

AT HIGH LATITUDES THROUGHOUT THE THREE DAY PERIOD.

III. EVENT PROBABILITIES 02 OCT-04 OCT

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 OCT 084

PREDICTED 02 OCT-04 OCT 084/085/086

90 DAY MEAN 01 OCT 088

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 30 SEP 028/058

ESTIMATED AFR/AP 01 OCT 014/017

PREDICTED AFR/AP 02 OCT-04 OCT 010/018-015/025-015/025

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