

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 06/12/87 00:00:00

End : 06/12/87 23:59:00

06/12 22:00

2201

HFUS3 BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 163

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 12 JUN 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 11/2100Z TO 12/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. TWO NEW REGIONS EMERGED DURING THE PERIOD: REGION 4814 (S19W38), A SIMPLE BI-POLAR GROUP, AND REGION 4815 (N27E73), A SINGLE SUNSPOT WITH NO PENUMBRA. REGION 4815 IS THE RETURNING REMNANTS OF OLD REGION 4811 AND IS UNIMPRESSIVE SO FAR. REGION 4813 (S11W20) WAS QUIET AND IS DECLINING.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 11/2100Z TO 12/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE. THE MOST PROBABLE SOURCE FOR THIS ACTIVITY IS THE EXTENSION OF THE SOUTHERN POLAR CORONAL HOLE UP TO ABOUT 10 DEGREES SOUTH OF THE EQUATOR.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE FOR THE FIRST HALF OF 13 JUNE, DIMINISHING TO QUIET TO UNSETTLED CONDITIONS FOR THE REMAINDER OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 13 JUN-15 JUN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 JUN 080

PREDICTED 13 JUN-15 JUN 082/084/085

70 DAY MEAN 12 JUN 083

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 11 JUN 010/013

ESTIMATED AFR/AP 12 JUN 012/017

PREDICTED AFR/AP 13 JUN-15 JUN 010/015-005/012-005/011

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