

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 06/19/87 00:00:00

End : 06/19/87 23:59:00

06/19 22:00

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HFUS3 BOU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 170

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 19 JUN 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 18/2100Z

TO 19/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4815

(N31W11) PRODUCED THE ONLY FLARE REPORTED DURING THE PAST 24

HOURS, A SMALL B2/SF MAXING NEAR 19/0430UT. REGION 4817

(S31E55) HAS CHANGED LITTLE SINCE YESTERDAY AND APPEARS TO BE

MAGNETICALLY SIMPLE. REGION 4816 HFUS3 BOU 192200

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MAGNETICALLY SIMPLE. REGION 4816 (S04W37) HAS DECAYED TO A

SPOTLESS PLAGE.

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

VERY LOW. NONE OF THE DISK REGIONS APPEAR CAPABLE OF

PRODUCING ANYTHING OTHER THAN LOW LEVEL ACTIVITY. NO

SIGNIFICANT REGIONS ARE DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 18/2100Z TO 19/2100Z:

THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE AT MIDDLE

LATITUDES. THE HIGH LATITUDE FIELD WAS AT MAJOR STORM LEVELS

FOR THE 03-09UT PERIOD. HIGH LATITUDE ACTIVITY DECLINED TO

ACTIVE TO UNSETTLED BY THE END OF THE 18-21UT PERIOD. THIS

DISTURBANCE IS BELIEVED TO BE THE RESULT OF THE FILAMENT

DISRUPTION WHICH OCCURRED ON THE 16TH.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS

EXPECTED TO BE UNSETTLED AT MIDDLE LATITUDES AND ACTIVE TO

UNSETTLED AT HIGH LATITUDES. TODAY'S DISTURBANCE IS PRESUMED

TO HAVE ENDED.

III. EVENT PROBABILITIES 20 JUN-22 JUN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 JUN 080

PREDICTED 20 JUN-22 JUN 081/082/082

90 DAY MEAN 19 JUN 083

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 18 JUN 009/012

ESTIMATED AFR/AP 19 JUN 016/029

PREDICTED AFR/AP 20 JUN-22 JUN 012/020-012/015-010/015

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