

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 06/18/87 00:00:00

End : 06/18/87 23:59:00

06/18 22:00

2251

HFUS3 BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 169

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 18 JUN 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 17/2100Z TO 18/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. NEW REGION

4817 (S31 E67) ROTATED AROUND THE EAST LIMB AS A SINGLE H-TYPE SPOT GROUP. THIS REGION HAS PRODUCED ONE SMALL OPTICAL

SUBFLARE DURING THE PAST 24 HOURS. SMALL SPOTS HAVE EMERGED IN REGION 4815 (N29E01). OTHER REGI

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IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. ADDITIONAL SMALL FLARES ARE POSSIBLE FROM REGION

4817.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 17/2100Z TO 18/2100Z: THE GEOMAGNETIC FIELD HAS BEEN MOSTLY QUIET AT MIDDLE

LATITUDES AND QUIET TO UNSETTLED AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT ACTIVE TO MINOR STORM LEVELS BEGINNING LATE

ON THE 19TH AND CONTINUING INTO THE 20TH. THE FIELD IS EXPECTED TO RETURN TO UNSETTLED CONDITIONS BY THE THIRD DAY OF

THE FORECAST PERIOD.

III. EVENT PROBABILITIES 19 JUN-21 JUN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 JUN 080

PREDICTED 19 JUN-21 JUN 081/082/082

90 DAY MEAN 18 JUN 083

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 17 JUN 005/011

ESTIMATED AFR/AP 18 JUN 007/012

PREDICTED AFR/AP 19 JUN-21 JUN 018/030-018/020-012/015

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