

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 06/21/87 00:00:00

End : 06/21/87 23:59:00

06/21 22:00

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HFUS3 BOU 212200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 172

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 21 JUN 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 20/2100Z

TO 21/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. WITH THE

EXCEPTION OF REGION 4819 (N19E26), ALL REGIONS HAVE BEEN

QUIET AND STABLE. REGION 4819 HAS EXHIBITED RAPID GROWTH

IN SPOTS. THE REGION HAS HAD AFS IN PROGRESS SINCE EARLY

MORNING AND APPEARS TO BE CONFIGURING FOR POSSIBLE ACTIVITY.

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

VERY LOW. ALTHOUGH REGION 4819 IS EXPERIENCING RAPID GROWTH

IN SPOT AND CHANGES IN CONFIGURATION, SIGNIFICANT FLARE

POSSIBILITY IS NOT EXPECTED FOR AT LEAST 24 HOURS. THE REGION

HAS PRODUCED ONLY ONE SUBFLARE THUS FAR.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 20/2100Z TO 21/2100Z:

THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED AT MID LATITUDES.

HIGH LATITUDE STATIONS WERE GENERALLY ACTIVE TO UNSETTLED.

HOWEVER, A BRIEF PERIOD OF MINOR TO MAJOR STORM CONDITIONS

DID OCCUR BETWEEN 20/2400 AND 21/0130 UT.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS

EXPECTED TO BE UNSETTLED ON 22 AND 23 JUNE AND QUIET TO

UNSETTLED ON 24 JUNE.

III. EVENT PROBABILITIES 22 JUN-24 JUN

CLASS M 02/02/02

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 JUN 080

PREDICTED 22 JUN-24 JUN 082/083/084

90 DAY MEAN 21 JUN 083

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 20 JUN 010/018

ESTIMATED AFR/AP 21 JUN 007/012

PREDICTED AFR/AP 22 JUN-24 JUN 010/015-010/015-007/015

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