

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 06/20/87 00:00:00

End : 06/20/87 23:59:00

06/20 22:00

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HFUS3 BOU 202200 COR

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 171

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 20 JUN 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 19/2100Z TO 20/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. NO FLARES WERE OBSERVED DURING THE LAST 24 HOURS. TWO NEW REGIONS WERE NUMBERED TODAY. REGION 4818 (S20W17) EMERGED AS A SINGLE SMALL SPOT. REGION 4819 (N19E41) ALSO EMERGED AS A SMALL SPOT AND IS LOCATED IN FIELDS ASSOCIATED WITH OLD REGION 4812. OTHER REGIONS WERE QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. NO SIGNIFICANT REGIONS ARE DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 19/2100Z TO 20/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED AT MIDDLE LATITUDES AND UNSETTLED TO ACTIVE AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET TO UNSETTLED.

III. EVENT PROBABILITIES 21 JUN-23 JUN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

OTTAWA 10.7 CM FLUX

OBSERVED 20 JUN 079

PREDICTED 21 JUN-23 JUN 078/078/078

90 DAY MEAN 20 JUN 083

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 19 JUN 015/030

ESTIMATED AFR/AP 20 JUN 008/017

PREDICTED AFR/AP 21 JUN-23 JUN 007/015-007/015-007/015

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