

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 07/07/87 00:00:00

End : 07/07/87 23:59:00

07/07 22:00

2233
HFUS3 BOU 072200 COR03
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 188
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 07 JUL 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 06/2100Z TO 07/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. A LONG DURATION X-RAY EVENT BEGAN AT 1730Z, REACHED A MAXIMUM OF B6.9 AT ABOUT 2015Z AND WAS IN PROGRESS AT THE END OF THE PERIOD. THIS EVENT CORRESPONDS TO REPORTS OF AN ERUPTIVE PROMINENCE ON THE EAST LIMB AT A LATITUDE OF ABOUT NORTH 40. A NEW SIMPLE BIPOLAR REGION EMERGED TODAY AT S18W38 AND WAS NUMBERED 4822. THE REMAINDER OF THE SOLAR DISK WAS QUIET AND STABLE.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 06/2100Z TO 07/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO SLIGHTLY ACTIVE FOR 08 JULY DUE TO EFFECTS OF THE NORTHWARD EXTENSION OF THE SOUTHERN POLAR CORONAL HOLE. THE FIELD IS EXPECTED TO DIMINISH TO UNSETTLED CONDITIONS FOR 09 JULY AND QUIET TO UNSETTLED CONDITIONS FOR 10 JULY.

III. EVENT PROBABILITIES 08 JUL-10 JUL

CLASS M 01/01/01
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX
OBSERVED 07 JUL 072
PREDICTED 08 JUL-10 JUL 072/072/073
90 DAY MEAN 07 JUL 083

V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 06 JUL 006/011
ESTIMATED AFR/AP 07 JUL 007/009
PREDICTED AFR/AP 08 JUL-10 JUL 015/016-010/012-007/012

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07/07 22:00

2310
HFUS3 BOU 072200 RTD
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X-RAY EVENT BEGAN AT 1730Z, HFUS3 BOU 072200 COR
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07/07 23:01

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HFUS3 BOU 072301

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