

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 07/14/87 00:00:00

End : 07/14/87 23:59:00

07/14 22:00

2210

HFUS3 BOU 142200 RTD

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 195

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 14 JUL 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 13/2100Z TO 14/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. A LONG DURATION X-RAY EVENT STARTING AT 14/1020UT MAXED AT B4.0 NEAR 14/1051UT. THIS SMALL EVENT WAS NOT CORRELATED WITH OPTICAL ACTIVITY AND MAY BE ASSOCIATED WITH ACTIVITY FROM BEHIND THE EAST LIMB. OTHER DATA SUGGEST THAT A REGION MAY BE ROUNDING THE EAST LIMB NEAR N20. THIS AREA IS JUST TO THE EAST OF OLD REGION 4819.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. A SLIGHT INCREASE IN ACTIVITY IS EXPECTED IF A NEW REGION APPEARS ON THE EAST LIMB. PRESENT DATA INDICATE THAT THIS REGION, IF IT EXISTS, IS NOT PARTICULARLY LARGE.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 13/2100Z TO 14/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET AT MIDDLE LATITUDES AND QUIET TO UNSETTLED AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY UNSETTLED AT MIDDLE LATITUDES AND UNSETTLED TO ACTIVE AT HIGH LATITUDES.

III. EVENT PROBABILITIES 15 JUL-17 JUL

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 JUL 074

PREDICTED 15 JUL-17 JUL 074/076/076

90 DAY MEAN 14 JUL 081

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 13 JUL 005/010

ESTIMATED AFR/AP 14 JUL 005/011

PREDICTED AFR/AP 15 JUL-17 JUL 010/020-010/016-010/012

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07/14 22:00

2218

HFUS3 BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

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ISSUED 2200Z 14 JUL 1987

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