

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 07/25/87 00:00:00

End : 07/25/87 23:59:00

07/25 22:00

2201

HFUS3 BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 206

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 25 JUL 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 24/2100Z TO 25/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGIONS 4826 (S29W57) AND 4827 (S22E13) BOTH PRODUCED SMALL C-LEVEL SUBFLARES WITHOUT SIGNIFICANT RADIO PARAMETERS. BOTH STABILIZED IN MOST ASPECTS. NO NEW REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGION 4826 PROVIDES A SLIGHT CHANCE OF MODERATE ACTIVITY. BOTH 4846 AND 4827 STILL SUPPORT A VERY SLIGHT POSSIBILITY OF A PROTON PRODUCING FLARE, AS WELL AS HIGH ACTIVITY CONDITIONS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 24/2100Z TO 25/2100Z: THE GEOMAGNETIC FIELD WAS ACTIVE. MINOR STORM CONDITIONS OCCURRED AT HIGH LATITUDES MIDWAY THROUGH THE PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE ACTIVE TO UNSETTLED THE FIRST DAY (26 JUL) AS THE CURRENT DISTURBANCE SUBSIDES. THE SECOND AND THIRD DAYS (27 AND 28 JUL) EXPECTED TO BE AT ACTIVE TO MINOR STORM LEVELS. THIS DUE TO THE M3/1B FLARE (1004Z) AND THE HYDER-FLARE (1702Z) THAT OCCURRED YESTERDAY.

III. EVENT PROBABILITIES 26 JUL-28 JUL

CLASS M 25/25/25

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 JUL 111

PREDICTED 26 JUL-28 JUL 105/100/095

90 DAY MEAN 25 JUL 082

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 24 JUL 011/013

ESTIMATED AFR/AP 25 JUL 017/022

PREDICTED AFR/AP 26 JUL-28 JUL 014/020-020/030-018/025

NNNN

<003>