

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 07/20/87 00:00:00

End : 07/20/87 23:59:00

07/20 22:00

2201

HFUS3 BOU 202200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 201

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 20 JUL 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 19/2100Z TO 20/2100Z: SOLAR ACTIVITY WAS VERY LOW. NEWLY NUMBERED REGION 4827 (S23E74) ROTATED ONTO THE DISK AS AN ALPHA-TYPE; BUT ITS MANY POINT BRIGHTENINGS, ENHANCED X-RAY AND 10CM THRESHOLD FLUX, AND ACTIVE SURGING IMPLIED A MORE COMPLICATED CLASSIFICATION. A 25DEGREE LONG FILAMENT DISAPPEARED FROM N55W08 BEFORE 20/1320Z AS DETECTED FROM PICTURES AFTER THE EVENT.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGION 4827 PROVIDES A VERY SLIGHT TO SLIGHT CHANCE OF SIGNIFICANT ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 19/2100Z TO 20/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED TO QUIET.

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

III. EVENT PROBABILITIES 21 JUL-23 JUL

CLASS M 05/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 JUL 091

PREDICTED 21 JUL-23 JUL 094/098/100

90 DAY MEAN 20 JUL 080

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 19 JUL 010/015

ESTIMATED AFR/AP 20 JUL 007/015

PREDICTED AFR/AP 21 JUL-23 JUL 008/010-008/010-010/012

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