

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 07/28/87 00:00:00

End : 07/28/87 23:59:00

07/28 22:00

2201

HFUS3 BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 209

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 28 JUL 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 27/2100Z TO 28/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4826 IS NOW BEYOND WEST LIMB AT S29, AND THE OVERALL LEVEL OF ACTIVITY HAS DECLINED. JUST ONE C-CLASS FLARE WAS DETECTED DURING THE PERIOD AND IT ATTAINED MAXIMUM AT 0240Z. THE REMAINING FOUR REGIONS ON THE DISK HAVE BEEN QUIET AND STABLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW FOR THE NEXT THREE DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 27/2100Z TO 28/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED TO ACTIVE. HIGH LATITUDES EXPERIENCED INTERVALS OF MINOR STORM LEVELS THE LATTER PART OF THE PERIOD. THIS DISTURBANCE, POSSIBLY RELATED TO THE LONG-DURATION X-RAY EVENT OF 24 JULY, BEGAN WITH A SUDDEN IMPULSE AT APPROXIMATELY 0852Z.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 29 JUL-31 JUL

CLASS M 05/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 JUL 099

PREDICTED 29 JUL-31 JUL 095/091/088

90 DAY MEAN 28 JUL 083

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 27 JUL 005/012

ESTIMATED AFR/AP 28 JUL 015/020

PREDICTED AFR/AP 29 JUL-31 JUL 010/015-010/015-010/015

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