

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 06/27/86 00:00:00

End : 06/27/86 23:59:00

06/27 22:00

2125

HFUS3 BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 178

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 27 JUN 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 26/2100 TO 27/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. A SMALL BUT LONG DURATION (4 HOURS) X-RAY EVENT OCCURRED THAT MAXED AT 0108 UT. IT WAS ASSOCIATED WITH A CORONAL MASS EJECTION NEAR NOOW90 AS SEEN BY THE SOLAR MAXIMUM MISSION CORONOGRAPH. ON THE DISK, A STRONG ARCH FILAMENT SYSTEM SIGNALING EMERGING FLUX WAS REPORTED NEAR N11W21 AT 1730 UT. THERE WERE NO H-ALPHA OBSERVATIONS OF LIMB ACTIVITY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE VERY LOW FOR THE NEXT THREE DAYS. THERE ARE NO REGIONS EXPECTED TO RETURN DURING THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 26/2100Z TO 27/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED DURING THE PAST 24 HOURS. GLOBAL ACTIVITY INCREASED MARKEDLY AT APPROXIMATELY 1000 UT AND SEVERAL PERIODS AT ACTIVE LEVELS HAVE OCCURRED SINCE THEN. THIS ACTIVITY IS PRESUMED TO BE DUE TO THE ARRIVAL OF A DISTURBANCE EXPECTED FROM A FILAMENT DISAPPEARANCE ON 22 JUNE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE GENERALLY UNSETTLED FOR THE NEXT THREE DAYS ALTHOUGH SOME PERIODS AT ACTIVE LEVELS MAY OCCUR AT HIGH LATITUDES. THIS DISTURBANCE SHOULD SUBSIDE TOWARD THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 28 JUN-30 JUN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 JUN 066

PREDICTED 28 JUN-30 JUN 067/067/067

90 DAY MEAN 27 JUN 072

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 26 JUN 005/009

ESTIMATED AFR/AP 27 JUN 015/027

PREDICTED AFR/AP 28 JUN-30 JUN 022/015-025/010-015/010

SOLTERWARN

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06/27 22:00

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