

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 10/01/86 00:00:00

End : 10/01/86 23:59:00

10/01 22:00

2145

US3 BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 274

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 01 OCT 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 30/2100 TO 01/2100Z: SOLAR ACTIVITY REMAINS VERY LOW. REGION 4746 (N07E48) HAS UNDERGONE SOME VERY SLIGHT STRUCTURAL CHANGES TODAY, AND HAS PRODUCED ONE SUBFLARE. NO OTHER SPOTTED REGIONS ARE VISIBLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY WILL CONTINUE VERY LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 30/2100Z TO 01/2100Z: THE GEOMAGNETIC FIELD WAS GENERALLY QUIET THE FIRST HALF OF THE PERIOD. A SUDDEN IMPULSE WAS THEN OBSERVED ON BOTH GROUND-BASED AND SATELLITE MAGNETOMETERS AT APPROXIMATELY 1148Z. UNSETTLED TO ACTIVE CONDITIONS HAVE PREVAILED SINCE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS FORECAST TO BE MOSTLY ACTIVE FOR THE NEXT 48 HOURS. A FILAMENT DISAPPEARANCE ON SEPT. 27 IS EXPECTED TO SPAWN THIS DISTURBANCE, WHICH SHOULD WEAKEN BY OCT. 4.

III. EVENT PROBABILITIES 02 OCT-04 OCT

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 OCT 071

PREDICTED 02 OCT-04 OCT 072/072/072

90 DAY MEAN 01 OCT 069

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 30 SEP 004/009

ESTIMATED AFR/AP 01 OCT 010/014

PREDICTED AFR/AP 02 OCT-04 OCT 015/025-015/020-010/015

SOLTERWARN

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