

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 10/02/86 00:00:00

End : 10/02/86 23:59:00

10/02 22:00

2130

US3 BOU 022200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 275

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 02 OCT 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 01/2100 TO 02/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. NEWLY NUMBERED REGION 4747 (N35E48) EMERGED EARLY TODAY. ITS SINGLE SPOT IS ENCIRCLED BY DULL PLAGE. THE REGION HAS PRODUCED TWO SUBFLARES. REGION 4746 (N07E35) HAS DEVELOPED ADDITIONAL SPOTS, BUT REMAINS MAGNETICALLY SIMPLE AND QUIET.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 01/2100Z TO 02/2100Z: THE GEOMAGNETIC FIELD HAS BEEN ACTIVE AT MID-LATITUDES. HIGH LATITUDES BEGAN THE PERIOD AT GENERALLY ACTIVE LEVELS, BUT SINCE HAVE EXPERIENCED MINOR AND MAJOR STORM CONDITIONS. THIS DISTURBANCE MAY BE ATTRIBUTED TO THE FILAMENT DISAPPEARANCE OF SEPT. 27.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO FLUCTUATE BETWEEN UNSETTLED AND ACTIVE LEVELS FOR THE NEXT THREE DAYS. HIGH LATITUDES MAY OBSERVE INTERVALS OF MINOR STORM CONDITIONS.

III. EVENT PROBABILITIES 03 OCT-05 OCT

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 OCT 072

PREDICTED 03 OCT-05 OCT 072/072/072

90 DAY MEAN 02 OCT 069

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 01 OCT 008/012

ESTIMATED AFR/AP 02 OCT 018/034

PREDICTED AFR/AP 03 OCT-05 OCT 015/020-010/015-010/015

SOLTERWARN

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