

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 11/24/86 00:00:00

End : 11/24/86 23:59:00

11/24 22:00

2201

HFUS3 BOU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 328

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 24 NOV 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 23/2100Z TO 24/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGIONS 4757 (N24W43) AND 4758 (N28W60) ARE QUIET REGIONS OF DULL PLAGE. REGION 4759 (S28W84) CONTINUES TO PRODUCE SUBFLARES, AND ALSO SHOWS SURGING ON THE LIMB AS IT EXITS THE SOLAR DISK.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 23/2100Z TO 24/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT ACTIVE TO MINOR STORM LEVELS WITH PERIODS OF MAJOR STORM LEVELS. A LULL IN ACTIVITY WAS OBSERVED FROM 0730-1500UT.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO CONTINUE AT ACTIVE TO MINOR STORM LEVELS THROUGH BEGINNING OF 25 NOVEMBER AS SUBSTORM CONDITIONS ARE LIKELY. THE ACTIVITY IS EXPECTED TO DIMINISH GRADUALLY THROUGH THE REMAINDER OF 25 NOVEMBER TO UNSETTLED CONDITIONS ON 26 NOVEMBER AND TO QUIET CONDITIONS ON 27 NOVEMBER.

III. EVENT PROBABILITIES 25 NOV-27 NOV

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 NOV 079

PREDICTED 25 NOV-27 NOV 075/075/073

90 DAY MEAN 24 NOV 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 23 NOV 009/015

ESTIMATED AFR/AP 24 NOV 025/045

PREDICTED AFR/AP 25 NOV-27 NOV 020/025-010/015-005/010

NNNN

<003>