

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 02/13/86 00:00:00

: 02/13/86 23:59:00

02/13 22:00

2131

HFUS3 BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 044

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 13 FEB 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 12/2100 TO 13/2100Z: SOLAR ACTIVITY WAS MODERATE. REGION 4713 (S02W73) PRODUCED ONE M1.0/OF FLARE AT 13/0247Z WITHOUT SIGNIFICANT RADIO SWEEPS. IT LASTED APPROX. FIVE HOURS. THE REGION ELONGATED TO 12 DEGREES AND WAS AN EKO - BETA-DELTA. OTHER THAN THIS ONE EVENT, THE SOLAR ACTIVITY WAS VERY LOW. NO NEW REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. REGION 4713 PROVIDES A FAIR CHANCE OF MODERATE ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 12/2100Z TO 13/2100Z: THE GEOMAGNETIC FIELD WAS ACTIVE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE ACTIVE. STORM CONDITIONS AT HIGH LATITUDES ARE EXPECTED ON 14 FEB DUE TO THE FLARE ACTIVITY OF LATE 10 THROUGH EARLY 11 FEB (C9.5 AND M1.1 RESPECTIVELY). OCCASIONAL STORM CONDITIONS THROUGHOUT THE PERIOD ARE POSSIBLE DUE TO THE ALMOST DAILY RECURRENCES OF M-CLASS X-RAY EVENTS DURING THE LAST FOUR DAYS.

III. EVENT PROBABILITIES 14 FEB-16 FEB

CLASS M 45/40/35

CLASS X 05/04/03

PROTON 10/10/05

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 FEB 089

PREDICTED 14 FEB-16 FEB 086/082/077

90 DAY MEAN 13 FEB 077

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 12 FEB 013/025

ESTIMATED AFR/AP 13 FEB 015/015

PREDICTED AFR/AP 14 FEB-16 FEB 025/030-020/020-020/015

SOLTERWARN

BT

NNNN

<003>