

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 02/17/86 00:00:00

: 02/17/86 23:59:00

02/17 22:00

2122

HFUS3 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 048

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 17 FEB 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 16/2100 TO 17/2100Z: SOLAR ACTIVITY CONTINUES VERY LOW. THE DISK IS DEVOID OF SPOTS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY WILL REMAIN VERY LOW. NOTHING IS EXPECTED FROM OLD REGION 4712, DUE TO RETURN LATE FEB. 19.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 16/2100Z TO 17/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED THE PAST 24 HOURS. THE GREATER THAN 10 MEV PROTON EVENT IS STILL IN PROGRESS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT MINOR STORM LEVELS THE NEXT 24 HOURS. THIS DISTURBANCE IS THE RESULT OF FLARE ACTIVITY ON FEB. 14. GENERALLY ACTIVE CONDITIONS ARE FORECAST FOR FEB. 19, FOLLOWED BY ANOTHER IMPULSE AT THE END OF THE PERIOD. THE LAST ACTIVITY IS IN RESPONSE TO A DISAPPEARING FILAMENT ON FEB. 15-16.

III. EVENT PROBABILITIES 18 FEB-20 FEB

MASS M 01/01/01

MSS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 FEB 070

PREDICTED 18 FEB-20 FEB 069/068/067

90 DAY MEAN 17 FEB 077

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 16 FEB 004/008

ESTIMATED AFR/AP 17 FEB 008/008

PREDICTED AFR/AP 18 FEB-20 FEB 030/035-015/020-020/035

SOLTERWARN

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