

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 03/22/87 00:00:00

End : 03/22/87 23:59:00

/22 22:00

2200

HFUS3 BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 081

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 22 MAR 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 21/2100Z TO 22/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4781 (N24W29) PRODUCED SOME MINOR FLARE ACTIVITY DURING THE LAST 24 HOURS BUT APPEARS TO HAVE SLOWED ITS RATE OF DEVELOPMENT. NO SIGNIFICANT SOLAR EVENTS HAVE OCCURRED DURING THE SUMMARY PERIOD. NO NEW REGIONS WERE NUMBERED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW THROUGHOUT THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 21/2100Z TO 22/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY ACTIVE TO UNSETTLED DURING THE SUMMARY PERIOD. MINOR STORM CONDITIONS OCCURRED AT HIGH LATITUDES DURING THE FIRST HALF OF THE PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY UNSETTLED THE FIRST DAY OF THE PERIOD. ON THE SECOND DAY THE FIELD IS EXPECTED TO BE AT MINOR STORM TO ACTIVE CONDITIONS, DUE TO THE ANTICIPATED EFFECTS OF A DISAPPEARING FILAMENT THAT OCCURRED ON 19 MAR, DECREASING TO ACTIVE CONDITIONS BY THE THIRD DAY.

III. EVENT PROBABILITIES 23 MAR-25 MAR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 MAR 074

PREDICTED 23 MAR-25 MAR 074/074/074

90 DAY MEAN 22 MAR 072

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 21 MAR 019/022

ESTIMATED AFR/AP 22 MAR 013/018

PREDICTED AFR/AP 23 MAR-25 MAR 012/014-020/030-015/020

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