

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 01/21/87 00:00:00

End : 01/21/87 23:59:00

01/21 22:00

33

HFUS3 BDU 212200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 021

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 21 JAN 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 20/2100Z TO 21/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4765 (S25W06) HAS GROWN IN BOTH WHITE LIGHT AND H-ALPHA. ITS MAGNETIC STRUCTURE IS OF MODERATE COMPLEXITY. ISOLATED SUBFLARES WERE GENERATED BY THE REGION IN THE LAST EIGHT HOURS. THE REST OF THE DISK IS SPOTLESS. THE LIMBS HAVE BEEN QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. INTERMITTENT SUBFLARE ACTIVITY SHOULD CONTINUE IN REGION 4765.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 20/2100Z TO 21/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED TO ACTIVE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED THROUGH 23 JANUARY. QUIET TO UNSETTLED LEVELS ARE FORECAST FOR 24 JANUARY.

III. EVENT PROBABILITIES 22 JAN-24 JAN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

OTTAWA 10.7 CM FLUX

OBSERVED 21 JAN 075

PREDICTED 22 JAN-24 JAN 075/076/076

90 DAY MEAN 21 JAN 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 20 JAN 014/021

ESTIMATED AFR/AP 21 JAN 010/013

PREDICTED AFR/AP 22 JAN-24 JAN 010/012-010/011-005/009

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