

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 02/20/86 00:00:00

: 02/20/86 23:59:00

02/20 22:00

2143

HFUS3 BOU 202200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 051

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 20 FEB 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 19/2100 TO 20/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. A NEW REGION WAS NUMBERED DURING THE PERIOD: REGION 4714 (S02E67)-A SINGLE SPOT AND DULL PLAGE-MAY BE THE RETURN OF OLD REGION 4712. IT IS THE ONLY REGION ON A VERY QUIET DISK.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY WILL CONTINUE VERY LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 19/2100Z TO 20/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED TO ACTIVE AT MID-LATITUDES. HIGH-LATITUDES EXPERIENCED SIMILAR CONDITIONS UNTIL 1800Z WHEN MINOR STORM LEVELS WERE ATTAINED. MAJOR STORMING FOLLOWED AT 1930Z, BUT SUBSIDED BACK TO MINOR STORM CONDITIONS AT ISSUE TIME.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD BE ACTIVE THROUGH FEB. 22, THEN CALM TO GENERALLY UNSETTLED CONDITIONS BY THE END OF THE PERIOD. FLARE ACTIVITY AND RECURRENCE SHOULD CONTRIBUTE TO THE DISTURBANCE.

EVENT PROBABILITIES 21 FEB-23 FEB

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 FEB 070

PREDICTED 21 FEB-23 FEB 070/071/073

90 DAY MEAN 20 FEB 077

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 19 FEB 007/009

ESTIMATED AFR/AP 20 FEB 018/025

PREDICTED AFR/AP 21 FEB-23 FEB 020/025-020/025-010/015

SOLTERWARN

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