

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 02/20/87 00:00:00

End : 02/20/87 23:59:00

02/20 22:00

2204

HFUSS 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 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 19/2100Z TO 20/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. NEW REGION 4772 (S24E58) WAS NUMBERED TODAY. PRESENTLY IT IS A SIMPLE AXB/ALPHA SPOT GROUP. THE REMAINDER OF THE DISK AND LIMBS ARE QUIET AND STABLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW FOR THE NEXT THREE DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 19/2100Z TO 20/2100Z: THE GEOMAGNETIC FIELD HAS BEEN PREDOMINATELY ACTIVE AT MID LATITUDES AND ACTIVE TO MINOR STORM AT HIGH LATITUDES. IN ADDITION, THE HIGH LATITUDE STATIONS OBSERVED MAJOR STORM CONDITIONS BETWEEN 20/1030-1500Z. SINCE 20/1800Z THE FIELD APPEARS TO BE RECOVERING TO UNSETTLED TO ACTIVE CONDITIONS. THE SOURCE OF THE DISTURBANCE IS UNKNOWN AT THIS TIME.

IB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE ON 21 FEBRUARY AS THE FIELD CONTINUE TO RECOVER. ON THE SECOND AND THIRD DAY OF THE FORECAST PERIOD, CONDITIONS ARE EXPECTED TO BE QUIET TO UNSETTLED.

III. 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 071

PREDICTED 21 FEB-23 FEB 072/072/072

90 DAY MEAN 20 FEB 072

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 19 FEB 005/006

ESTIMATED AFR/AP 20 FEB 020/032

PREDICTED AFR/AP 21 FEB-23 FEB 011/015-005/010-005/010

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