

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 01/20/87 00:00:00

End : 01/20/87 23:59:00

01/20 22:00

31

HFUS3 BOU 202200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 020

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 20 JAN 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 19/2100Z TO 20/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4766 (S22E48) IS STILL A SMALL AXB TYPE SPOT GROUP. NO NEW REGIONS WERE NUMBERED TODAY AND THE REST OF THE DISK AND LIMBS WERE QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW FOR THE NEXT THREE DAYS. NO SIGNIFICANT REGIONS ARE DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 19/2100Z TO 20/2100Z: THE GEOMAGNETIC FIELD HAS RANGED FROM QUIET TO MINOR STORM CONDITIONS AT MIDDLE LATITUDES AND FROM QUIET TO MAJOR STORM CONDITIONS AT HIGH LATITUDES. THE TREND HAS BEEN TOWARDS INCREASING ACTIVITY AT ALL LATITUDES. THE SOURCE OF THE DISTURBANCE IS NOT KNOWN.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO SLIGHTLY ACTIVE AT ALL LATITUDES FOR THE NEXT THREE DAYS. PERIODS OF MINOR STORM CONDITIONS ARE POSSIBLE DURING THIS TIME, ESPECIALLY IN THE LOCAL NIGHTTIME SECTORS.

I. EVENT PROBABILITIES 21 JAN-23 JAN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 JAN 071

PREDICTED 21 JAN-23 JAN 072/072/072

90 DAY MEAN 20 JAN 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 19 JAN 006/010

ESTIMATED AFR/AP 20 JAN 015/020

PREDICTED AFR/AP 21 JAN-23 JAN 014/018-012/014-014/015

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