

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 01/19/87 00:00:00

End : 01/19/87 23:59:00

01/19 22:00

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HFUS3 BOU 192200 CDR

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 019

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 19 JAN 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 18/2100Z TO 19/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGIONS 4764 (S26E19) AND 4765 (S26E22) HAVE LOST THEIR SPOTS. REGION 4766 (S21E60) IS SMALL AXI TYPE SPOT GROUP. ONLY MINOR FLARE ACTIVITY WAS OBSERVED. FILAMENTS DISAPPEARED ON 18 JANUARY NEAR S28E12 (10 DEGREES LONG) AND S26E38 (5 DEGREES LONG). 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 REGIONS ARE DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 18/2100Z TO 19/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET TO UNSETTLED AT ALL LATITUDES WITH A BRIEF EPISODE OF ACTIVE TO MINOR STORM CONDITIONS AT HIGH LATITUDES FROM 0900-1500 UT 19 JANUARY.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED AT ALL LATITUDES FOR THE NEXT THREE DAYS. THERE IS A CHANCE FOR HIGHER ACTIVITY LEVELS BEGINNING 23 JANUARY IN RESPONSE TO A FILAMENT DISRUPTION ON 18 JANUARY.

I. EVENT PROBABILITIES 20 JAN-22 JAN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 JAN 072

PREDICTED 20 JAN-22 JAN 073/073/072

90 DAY MEAN 19 JAN 077

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 18 JAN 006/009

ESTIMATED AFR/AP 19 JAN 008/012

PREDICTED AFR/AP 20 JAN-22 JAN 010/013-010/013-010/014

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