

SOF NUMBER 356

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 22 DEC 1983

I. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 21/2100Z TO 22/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW THIS PERIOD. REGION 4380 (S11W46) IS THE ONLY SPOTTED REGION ON THE DISK AND HAS SHOWN VERY LITTLE INCLINATION TO PRODUCE FLARE ACTIVITY. THE REST OF THE DISK REMAINS QUIET.

IA. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN VERY LOW THROUGHOUT THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 21/2100Z TO 22/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED AT MIDLATITUDES AND UNSETTLED TO ACTIVE AT HIGH LATITUDES THROUGHOUT THIS PERIOD.

IIIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD BE AT UNSETTLED TO ACTIVE LEVELS AT ALL LATITUDES THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 23 DEC-25 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 DEC 086

PREDICTED 23 DEC-25 DEC 087/088/088

90 DAY MEAN 22 DEC 102

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 21 DEC 000/006

ESTIMATED AFR/AP 22 DEC 013/015

PREDICTED AFR/AP 23 DEC-25 DEC 015/020-010/015-012/015

SOLTERWARN

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