

BT

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

W EF

SDF NUMBER 352

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 18 DEC 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 17/2100Z TO 18/2100Z: SOLAR ACTIVITY WAS AT A LOW LEVEL DURING THE PAST 24 HOURS. OCCASIONAL SMALL FLARES AND RADIO BURSTS FROM REGION 4388 (S12E11) CONTINUE TO BE OBSERVED. REGION 4388 NOW HAS A LARGE LEADER WHILE THE TRAILER APPEARS TO BE RESTRUCTURING OR SLOWLY DECAYING. ONLY TWO SPOTTED REGIONS ARE VISIBLE TODAY: 4388 AND 4374 (N02W63).

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A LOW LEVEL FOR THE NEXT 24 HOURS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 17/2100Z TO 18/2100Z: THE GEOMAGNETIC FIELD WAS QUIET TO UNSETTLED DURING THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD REMAIN QUIET TO SLIGHTLY UNSETTLED FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 19 DEC-21 DEC

CLASS M 21/21/21

CLASS X 21/21/21

PROTON 21/21/21

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 DEC 293

PREDICTED 19 DEC-21 DEC 293/292/292

90 DAY MEAN 18 DEC 183

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 17 DEC 204/207

ESTIMATED AFR/AP 18 DEC 205/210

PREDICTED AFR/AP 19 DEC-21 DEC 208/212-208/212-211/215

SOLTERWARN

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