

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 350

WER

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 16 DEC 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 15/2100Z TO 16/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL DURING THE PAST 24 HOURS. REGION 4380 (S10E38) PRODUCED A C8/SB FLARE AT 161545Z (MAX) AS WELL AS SEVERAL LESSER FLARES DURING THIS INTERVAL. REGIONS 4376 (S16W78) AND 4379 (S08W64) HAVE ALSO PRODUCED SMALL SUBFLARES. REGIONS 4374 (N02W06) AND 4380 ARE THE ONLY SPOTTED REGIONS ON THE VISIBLE DISK AT THIS TIME.

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IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN AT A VERY LOW LEVEL FOR THE NEXT 24 HOURS. OLD REGION 4368 SHOULD RETURN LATE ON 19 DECEMBER BUT IS EXPECTED TO DO SO QUIETLY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 15/2100Z TO 16/2100Z: THE GEOMAGNETIC FIELD WAS QUIET TO SLIGHTLY UNSETTLED THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD SHOULD BE UNSETTLED ON 17 DECEMBER AND QUIET ON 18 AND 19 DECEMBER.

III. EVENT PROBABILITIES 17 DEC-19 DEC

CLASS M 01/01/01
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 DEC 098
PREDICTED 17 DEC-19 DEC 096/095/095
90 DAY MEAN 16 DEC 103

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 15 DEC 014/018
ESTIMATED AFR/AP 16 DEC 027/010
PREDICTED AFR/AP 17 DEC-19 DEC 010/015-025/010-025/010

SOLTERWARN

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