

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 15/2100  
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.

very?

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 007/010

PREDICTED AFR/AP 17 DEC-19 DEC 010/015-005/010-005/010

SOLTERWARN

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