

SDF NUMBER 351

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 17 DEC 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 16/2100Z TO 17/2100Z: SOLAR ACTIVITY WAS AT A LOW LEVEL DURING THE PAST 24 HOURS. HOWEVER, REGION 4380 (S15E24) HAS SHOWN A MARKED INCREASE IN FREQUENCY OF SUBFLARE AND SMALL RADIO EMISSIONS. REGION 4382 IS DISPLAYING AN INCREASE IN DYNAMIC TENDENCIES; DARK SURGES, ACTIVE FILAMENTS, AND PLAGE GROWTH ARE OCCURRING IN ADDITION TO THE SMALL FLARES. REGIONS 4378 (S15W21) AND 4379 (S28W82) HAVE REGAINED THEIR SPOTS BUT NOTHING ELSE ON THE DISK HAS CHANGED MUCH. *goal*

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 16/2100Z TO 17/2100Z: THE GEOMAGNETIC FIELD WAS QUIET TO SLIGHTLY UNSETTLED DURING THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY UNSETTLED THE NEXT 3 DAYS.

III. EVENT PROBABILITIES 18 DEC-20 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 DEC 295

PREDICTED 18 DEC-20 DEC 294/293/293

90 DAY MEAN 17 DEC 123

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 16 DEC 204/010

ESTIMATED AFR/AP 17 DEC 207/010

PREDICTED AFR/AP 18 DEC-20 DEC 208/010-208/010-208/010

SOLTERWARN

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