

W.E.K.
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 *goal*
24 HOURS. HOWEVER, REGION 4380 (S12E24) 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.

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 UNSETLED DURING
THE PAST 24 HOURS.

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

III. EVENT PROBABILITIES 18 DEC-20 DEC

CLASS M 21/21/81

CLASS X 21/21/81

PROTON 21/01/81

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 004/010

ESTIMATED AFR/AP 17 DEC 007/010

PREDICTED AFR/AP 18 DEC-20 DEC 008/010-008/010-008/010

SOLTERWARN

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