

PAP

SDF NUMBER 335

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 01 DEC 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 30/2100 TO 21/2100Z: SOLAR ACTIVITY HAS CONTINUED VERY LOW THIS PERIOD WITH NO OPTICAL OR X-RAY EVENTS BEING RECORDED. TWO NEW REGIONS WERE NUMBERED THIS PERIOD 4368 (N03W32) AND 4369 (N05E18) BOTH ARE SIMPLE GROUPS AS ARE THE OTHER TWO GROUPS ON THE VISIBLE DISK.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT A VERY LOW LEVEL DURING THIS FORECAST PERIOD. THE REGIONS ON THE DISK DO NOT APPEAR CAPABLE OF EVEN "C" CLASS FLARE PRODUCTION. NO ACTIVE REGIONS ARE DUE TO RETURN DURING THE NEXT THREE DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 30/2100Z TO 01/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT ACTIVE TO UNSETLED, SHORT PERIODS OF MINOR STORM LEVELS AT THE HIGH LATITUDE SITES, DURING THE PAST 24 HOURS. THE ACTIVITY HAS BEEN GENERALLY UNSETLED DURING THE PAST 6 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT UNSETLED TO QUIET LEVELS DURING THE FORECAST PERIOD AS RECURRENCE INDICATES.

III. EVENT PROBABILITIES 02 DEC-04 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 DEC 093

PREDICTED 02 DEC-04 DEC 095/095/094

90 DAY MEAN 01 DEC 105

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 30 NOV 021/021

ESTIMATED AFR/AP 01 DEC 012/015

PREDICTED AFR/AP 02 DEC-04 DEC 010/010-010/010-014/010

SOLTERWARN

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