

BT

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 336

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 02 DEC 1983

PAP

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 01/2100 TO 02/2100Z: SOLAR ACTIVITY HAS CONTINUED AT A VERY LOW LEVEL THIS PERIOD WITH ONLY "B" CLASS EVENTS BEING REPORTED. NO OPTICAL FLARES OBSERVED. NO NEW REGIONS HAVE BEEN OBSERVED AND THE CURRENT REGIONS ARE SMALL AND SIMPLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW DURING THIS FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 01/2100Z TO 02/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT GENERALLY UNSETTLED LEVELS WITH SHORT PERIODS OF ACTIVE CONDITIONS OBSERVED AT BOTH THE HIGH AND MID-LATITUDE SITES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN AT UNSETTLED TO QUIET LEVELS UNTIL 05 DEC WHEN THE EFFECTS OF THE SOLAR SECTOR BOUNDARY, WHICH PASSED CENTRAL MERIDIAN ON 29-30 NOVEMBER, BEGIN TO BE OBSERVED AT EARTH.

III. EVENT PROBABILITIES 03 DEC-05 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 DEC 092

PREDICTED 03 DEC-05 DEC 092/093/092

90 DAY MEAN 02 DEC 105

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 01 DEC 012/014

ESTIMATED AFR/AP 02 DEC 010/010

PREDICTED AFR/AP 03 DEC-05 DEC 010/010-014/010-020/020

SOLTERWARN

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