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FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 337

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY. P A P

ISSUED 2200Z 03 DEC 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 02/2100 TO 03/2100Z: SOLAR ACTIVITY HAS CONTINUED AT A VERY LOW LEVEL THIS PERIOD WITH NO OPTICAL OR X-RAY FLARES/EVENTS BEING OBSERVED. REGION 4366 (N18W06) IS A SIMPLE "B" TYPE GROUP. THE ONLY OTHER SPOTTED REGION ON THE VISIBLE DISK IS A NEW GROUP NUMBERED 4370 (S12E40) A SMALL "A" TYPE GROUP IN A LARGE PLAGE AREA.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A VERY LOW LEVEL DURING THIS FORECAST PERIOD AS THE REGIONS CURRENTLY ON THE DISK AND OLD RETURNING REGIONS ARE SMALL AND HAVE EXHIBITED LITTLE IF ANY TENDENCY FOR GROWTH.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 02/2100Z TO 03/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET WITH ONLY SHORT PERIODS AT UNSETTLED LEVELS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN AT QUIET TO UNSETTLED LEVELS UNTIL 05 DEC WHEN RECURRENT ACTIVITY IS EXPECTED TO BEGIN. THE FIELD IS THEN FORECAST TO BE AT ACTIVE WITH SHORT PERIODS AT MINOR STORM LEVELS. SOME PERIODS OF MAJOR STORM ACTIVITY IS EXPECTED AT THE HIGH LATITUDE SITES.

III. EVENT PROBABILITIES 04 DEC-06 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 DEC 091

PREDICTED 04 DEC-06 DEC 091/091/091

90 DAY MEAN 03 DEC 104

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 02 DEC 007/010

ESTIMATED AFR/AP 03 DEC 004/010

PREDICTED AFR/AP 04 DEC-06 DEC 014/010-020/020-025/025

SOLTERWARN

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