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HFUS 3 BOU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 297

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 24 OCT 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 24/1200Z TO 24/2100Z: SOLAR ACTIVITY HAS BEEN MODERATE THIS PERIOD DUE TO A M2/1B EVENT, AT 1504UT, FROM REGION 3960 (N11E36) THIS EVENT HAD MINOR RADIO, 140 FLUX UNITS AT 2695 MHZ, ACROSS THE RADIO SPECTRUM. NO TYPE II/IV SWEEPS WERE OBSERVED HOWEVER A SHORTWAVE FADE AT 15MHZ WAS OBSERVED. REGION 3955 (S10E04) HAS EXHIBITED RAPID GROWTH AND IS NOW IS A D TYPE GROUP. NEW REGION TODAY IS 3965 (N15E44) A SIMPLE B TYPE GROUP. OTHER REGIONS ARE STABLE OR LITTLE CHANGED THIS PERIOD.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE AT OR NEAR MODERATE LEVELS DURING THIS FORECAST PERIOD. REGIONS 3955 AND 3960 BOTH HAVE THE SIZE AND COMPLEXITY TO PRODUCE ISOLATED M-CLASS EVENTS.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN QUIET THIS PERIOD. THE FIELD IS EXPECTED TO BE UNSETTLED TO SLIGHTLY ACTIVE DURING THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 25 OCT-27 OCT

CLASS M 65/65/65

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 OCT 193

PREDICTED 25 OCT-27 OCT 195/196/194

90 DAY MEAN 24 OCT 161

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 23 OCT 005/007

ESTIMATED AFR/AP 24 OCT 003/003

PREDICTED AFR/AP 25 OCT-27 OCT 013/015-012/015-010/010

SOLTERWAR N

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