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FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 012

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 12 JAN 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 11/2100Z TO 12/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THE SOLAR DISK REMAINS SPOTLESS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. LARGE SCALE MAGNETIC FIELD CONFIGURATIONS SUGGEST THAT THERE IS A POSSIBILITY FOR ACTIVE REGION FORMATION FROM 14 JANUARY TO 17 JANUARY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 11/2100Z TO 12/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED. BRIEF PERIODS OF ACTIVE CONDITIONS WERE REPORTED AT SOME HIGH LATITUDE STATIONS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY QUIET TO UNSETTLED FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 13 JAN-15 JAN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 JAN 071

PREDICTED 13 JAN-15 JAN 072/073/074

90 DAY MEAN 12 JAN 077

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 11 JAN 005/007

ESTIMATED AFR/AP 12 JAN 007/011

PREDICTED AFR/AP 13 JAN-15 JAN 005/010-007/010-007/013