

HFUS 3 BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 011

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 11 JAN 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 10/2100 TO 11/2100Z: SOLAR ACTIVITY HAS REMAINED VERY LOW. THE LARGEST EVENT WAS A C2/SN FROM REGION 4393 (S15E62), WITH XRAY MAXIMUM TIME OF 1838 Z. THIS REGION GREW SIGNIFICANTLY OVER NIGHT IN WHITE LIGHT BUT HAS NOW STABALIZED AT 260 MILLIONTHS IN AREA. ALL OTHER REGIONS HAVE REMAINED STABLE.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 10/2100Z TO 11/2100Z: THE GEOMAGNETIC FIELD WAS ACTIVE FROM 2100 THROUGH 0300 Z AND HAS BEEN QUIET TO UNSETTLED SINCE THEN.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED UNTILL THE 14TH. ACTIVE CONDITIONS ARE THEN EXPECTED IN RESPONSE TO THE FILAMENT SECTION THAT DISAPPEARED ON THE 9TH.

III. EVENT PROBABILITIES 12 JAN-14 JAN

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 JAN 100

PREDICTED 12 JAN-14 JAN 100/100/099

90 DAY MEAN 11 JAN 095

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 10 JAN 014/013

ESTIMATED AFR/AP 11 JAN 007/015

PREDICTED AFR/AP 12 JAN-14 JAN 008/010-010/010-015/015

SOLTERWARN

BT