

HFUSS BOU 232200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 358

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 23 DEC 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 22/2100 TO 23/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL DURING THE PAST 24 HOURS. REGION 4609 (S13W03) PRODUCED A B4/SF FLARE AT 230558Z (MAX). REGION 4609 HAS LOST ITS SPOT GROUP WHILE REGION 4610 (S05E13) HAS ACQUIRED A SMALL B TYPE GROUP. TWO ADDITIONAL B CLASS XRAY BURSTS WERE REPORTED FROM UNKNOWN SOURCES AND THAT HAS BEEN THE EXTENT OF ACTIVITY FOR THE PAST 24 HOURS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A VERY LOW LEVEL FOR THE NEXT 24 HOURS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 22/2100Z TO 23/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED DURING THE PAST 24 HOURS.

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

III. EVENT PROBABILITIES 24 DEC-26 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 DEC 074

PREDICTED 24 DEC-26 DEC 074/074/074

90 DAY MEAN 23 DEC 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 22 DEC 006/008

ESTIMATED AFR/AP 23 DEC 012/020

PREDICTED AFR/AP 24 DEC-26 DEC 010/015-007/010-010/015

SOLTERWARN

BT