

HFUS3 BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 342

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 07 DEC 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 06/2100Z TO 07/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THERE HAS BEEN NO SIGNIFICANT CHANGE IN REGION 4603 (S04E03), WHICH STILL CONTAINS A D-TYPE SPOT GROUP. REGION 4602 (N19E03) HAS DECAYED SOMEWHAT AND NOW CONTAINS AN A-TYPE SPOT GROUP. ONE NEW REGION WAS NUMBERED TODAY AS REGION 4604 (S10E35). THIS REGION CONTAINS AN A-TYPE SPOT GROUP.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW TO LOW FOR THE NEXT THREE DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 06/2100Z TO 07/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY ACTIVE AT ALL LATITUDES DURING THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE ACTIVE AT ALL LATITUDES FOR THE NEXT TWO DAYS. ON THE 10TH OF DECEMBER UNSETTLED TO ACTIVE CONDITIONS SHOULD PREVAIL.

III. EVENT PROBABILITIES 06 DEC-10 DEC

CLASS M 02/02/02

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 DEC 075

PREDICTED 08 DEC-10 DEC 075/076/077

90 DAY MEAN 07 DEC 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 06 DEC 020/022

ESTIMATED AFR/AP 07 DEC 017/015

PREDICTED AFR/AP 08 DEC-10 DEC 015/015-015/020-018/015

SOLTERWARN

BT