

HFUS 3 BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

JAS

SDF NUMBER 346

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 12 DEC 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 11/2100 TO 12/2100Z: SOLAR ACTIVITY HAS BEEN LOW. ALL REGIONS ARE STABLE OR DECLINING. REGION 4372 (S12E22) HAS HAD THE GREATEST DECLINE - WITH ONLY THREE TRAILER SPOTS REMAINING.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 11/2100Z TO 12/2100Z: THE GEOMAGNETIC FIELD HAS BEEN ACTIVE WITH STORM LEVEL PERIODS AT AURORAL OVAL STATIONS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY AT AN ACTIVE LEVEL FOR THE NEXT THREE DAYS. SHORT PERIODS, PRIMARILY AT HIGHER LATITUDES, MAY ATTAIN STORM LEVELS WITH INDIVIDUAL SUBSTORM ACTIVITY.

III. EVENT PROBABILITIES 13 DEC-15 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 DEC 104

PREDICTED 13 DEC-15 DEC 103/101/100

90 DAY MEAN 12 DEC 104

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 11 DEC 030/031

ESTIMATED AFR/AP 12 DEC 021/025

PREDICTED AFR/AP 13 DEC-15 DEC 018/020-018/020-015/020

SOLTERWARN

BT