

HFUS3 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 351

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 17 DEC 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 16/2100 TO 17/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGION 4708 (N03W30) IS A DSI TYPE SPOT GROUP WHICH HAS NOT CHANGED SIGNIFICANTLY DURING THE PERIOD. REGION 4709 (S08W10) IS NOW A DSI TYPE SPOT GROUP AND HAS GROWN CONSIDERABLY SINCE YESTERDAY. THIS REGION CONTINUES TO PRODUCE MINOR FLARE ACTIVITY. NO NEW REGIONS WERE NUMBERED TODAY. THE REST OF THE DISK AND LIMBS WERE QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW FOR THE NEXT THREE DAYS. NO REGIONS ARE DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 16/2100Z TO 17/2100Z: GEOMAGNETIC ACTIVITY HAS BEEN MOSTLY QUIET TO UNSETTLED FOR THE PAST 24 HOURS WITH AN ISOLATED PERIOD OF MINOR STORM CONDITIONS 0000-0300 UT 17 DECEMBER.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE UNSETTLED TO SLIGHTLY ACTIVE FOR THE NEXT 24 HOURS AND UNSETTLED FOR THE SUBSEQUENT 48 HOURS.

III. EVENT PROBABILITIES 18 DEC-20 DEC

CLASS M 02/02/02

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 DEC 083

PREDICTED 18 DEC-20 DEC 082/081/080

90 DAY MEAN 17 DEC 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 16 DEC 004/008

ESTIMATED AFR/AP 17 DEC 008/015

PREDICTED AFR/AP 18 DEC-20 DEC 012/020-008/015-005/010

SOLTERWARN

BT