

HFUS3 BOU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 350

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 16 DEC 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 15/2100 TO 16/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGION 4708 (N03W16) HAS GROWN SLIGHTLY AND IS NOW A DRI TYPE SPOT GROUP. THIS REGION HAS SLOWED IN ITS FLARE PRODUCTION. REGION 4709 (S09E05) HAS GROWN IN SPOT NUMBER AND EXTENT AND IS A DRI TYPE SPOT GROUP. REGION 4709 HAS PRODUCED SEVERAL MINOR FLARES DURING THE PERIOD ONE OF WHICH WAS ASSOCIATED WITH A 2200 FLUX UNIT RADIO BURST AT 245 MHZ. NO NEW REGIONS WERE NUMBERED TODAY. THE REST OF THE DISK AND LIMBS WERE QUIET.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 15/2100Z TO 16/2100Z: GEOMAGNETIC ACTIVITY HAS BEEN QUIET TO UNSETTLED FOR THE PAST 24 HOURS.

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

III. EVENT PROBABILITIES 17 DEC-19 DEC

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 DEC 087

PREDICTED 17 DEC-19 DEC 088/086/084

90 DAY MEAN 16 DEC 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 15 DEC 007/010

ESTIMATED AFR/AP 16 DEC 010/015

PREDICTED AFR/AP 17 DEC-19 DEC 018/025-014/020-008/015

SOLTERWARN

BT