

HFUS3 BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 348

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 14 DEC 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 13/2100 TO 14/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGION 4708 (N04E10) WAS A CAO TYPE SPOT GROUP. IT SUSTAINED SOME GROWTH WHILE CONTINUING TO PRODUCE MINOR FLARE ACTIVITY. NEW REGION 4709 (S10E34) GREW RAPIDLY AND WAS NUMBERED TODAY. IT WAS A CRO TYPE SPOT GROUP. 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 13/2100Z TO 14/2100Z: GEOMAGNETIC ACTIVITY HAS BEEN UNSETTLED TO ACTIVE FOR THE PAST 24 HOURS. THE SUDDEN COMMENCEMENT ~~AT GEOMAGNETIC LATITUDES~~ WHICH BEGAN 2119 UT ON 12 DECEMBER HAD ENDED BY 1100 UT ON 14 DECEMBER. UNSETTLED CONDITIONS HAVE PREDOMINATED SINCE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE UNSETTLED FOR THE NEXT 24 HOURS AND ACTIVE FOR THE SUBSEQUENT 48 HOURS. ACTIVE CONDITIONS ARE FORECAST FOR 16-17 DECEMBER ON THE BASIS OF THE EXPECTED EFFECTS OF ONE OR BOTH DISAPPEARING FILAMENTS OF 12 DECEMBER (S13E27, 5 DEGREES) AND 13 DECEMBER (S14E25, 10 DEGREES).

III. EVENT PROBABILITIES 15 DEC-17 DEC

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 DEC 079

PREDICTED 15 DEC-17 DEC 080/080/079

90 DAY MEAN 14 DEC 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 13 DEC 028/036

ESTIMATED AFR/AP 14 DEC 010/015

PREDICTED AFR/AP 15 DEC-17 DEC 010/015-018/030-018/025

SOLTERWARN

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