

HFUS3 BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 346

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 12 DEC 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 11/2100 TO 12/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL. HOWEVER, REGION 4708 (N04E35) BECAME INCREASINGLY MORE DYNAMIC DURING THE PAST 24 HOURS. SEVERAL B CLASS XRAY BURSTS AND ONE C CLASS XRAY BURST HAVE BEEN RECORDED. A SERIES OF SMALL FIXED FREQUENCY RADIO BURSTS HAVE ALSO BEEN ATTRIBUTED TO REGION 4708. THE SPOT GROUP WITH 4708 CONTINUES ITS SLOW GROWTH BUT REMAINS A SMALL C, SIMPLE BETA TYPE GROUP. THE REST OF THE DISK IS QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A VERY LOW LEVEL FOR THE NEXT THREE DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 11/2100Z TO 12/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE FOR THE NEXT THREE DAYS. MINOR STORM CONDITIONS LATE ON 15 DECEMBER ARE A POSSIBILITY AS THE EFFECTS OF FILAMENT DISRUPTION ARE FELT.

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 080

PREDICTED 13 DEC-15 DEC 081/081/080

90 DAY MEAN 12 DEC 073

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 11 DEC 010/014

ESTIMATED AFR/AP 12 DEC 005/012

PREDICTED AFR/AP 13 DEC-15 DEC 008/010-008/015-008/020

SOLTERWARN

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