

HFUS3 BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 339

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 05 DEC 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 04/2100  
TO 05/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW THE PAST 24 HOURS.  
A NEW SPOT GROUP EMERGED ON THE DISK TODAY AND IS DESIGNATED  
REGION 4706 (N21W31). THE REGION GREW RAPIDLY FROM INCEPTION  
AND NOW INCLUDES EIGHT SPOTS. ARCH-FILAMENTS, ENHANCED PLAGE,  
AND A BETA MAGNETIC CLASSIFICATION WERE ALSO OBSERVED IN THIS,  
THE SOLE SPOTTED REGION. PROMINENCE ACTIVITY HAS BEEN NOTED ON  
THE EAST LIMB NEAR S08.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY WILL CONTINUE VERY  
LOW. ONLY ISOLATED SUBFLARES ARE EXPECTED, PENDING FURTHER  
DEVELOPMENT OF REGION 4706.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 04/2100Z TO 05/2100Z:  
THE GEOMAGNETIC FIELD WAS MOSTLY UNSETTLED THROUGHOUT THE  
PERIOD. HIGH-LATITUDES BEGAN THE INTERVAL WITH SHORT-LIVED  
ACTIVE CONDITIONS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS  
EXPECTED TO BE UNSETTLED TO ACTIVE THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 06 DEC-08 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 DEC 072

PREDICTED 06 DEC-08 DEC 073/074/074

90 DAY MEAN 05 DEC 073

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 04 DEC 010/015

ESTIMATED AFR/AP 05 DEC 009/013

PREDICTED AFR/AP 06 DEC-08 DEC 015/015-015/015-010/015

SOLTERWARN

BT