

HFUS 3 BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 347

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 13 DEC 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 12/2100  
TO 13/2100Z: SOLAR ACTIVITY HAS REMAINED LOW. SIMULTANEOUS  
SUB-NORMAL FLARES IN REGIONS 4372 (S12W35) AND 4376 (S15W33)  
PRODUCED A C2 X-RAY EVENT AT 0150Z (MAX). THE REMNANT SPOTS FOR  
REGION 4372 HAVE BEEN INCORPORATED INTO REGION 4376. THIS  
REGION NOW HAS A BETA GAMMA CONFIGURATION AND REGION 4372 IS  
DESIGNATED A PLAGE REGION. REGION 4379 (S08W25) HAS BEEN ADDED  
TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO  
REMAIN LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 12/2100Z TO 13/2100Z:  
THE GEOMAGNETIC FIELD HAS BEEN ACTIVE WITH STORM LEVEL PERIODS  
AT AURORAL OVAL STATIONS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS  
EXPECTED TO REMAIN AT GENERALLY AN ACTIVE LEVEL FOR THE NEXT  
THREE DAYS. SHORT PERIODS, PRIMARILY AT HIGHER LATITUDES, MAY  
ATTAIN STORM LEVELS WITH INDIVIDUAL SUBSTORMS. THIS ACTIVITY IS  
CORONAL HOLE INDUCED.

III. EVENT PROBABILITIES 14 DEC-16 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 DEC 104

PREDICTED 14 DEC-16 DEC 102/102/098

90 DAY MEAN 13 DEC 104

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 12 DEC 020/024

ESTIMATED AFR/AP 13 DEC 019/020

PREDICTED AFR/AP 14 DEC-16 DEC 018/020-015/020-015/020

SOLTERWARN

BT