

HFUS 1 BOU 271300  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 208A  
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 1300Z 27 JUL 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM  
26/1200Z TO 27/1200Z: SOLAR ACTIVITY HAS BEEN VERY LOW. ONE C  
CLASS XRAY EVENT WAS OBSERVED. WEATHER ONCE AGAIN LIMITS  
OBSERVATIONS, BUT REPORTS IN RECENT HOURS INDICATE NO VISIBLE  
ACTIVITY AND PERHAPS AS FEW AS TWO SPOTTED REGIONS. REGIONS  
NUMBERED 26 JULY APPEAR TO HAVE ALREADY LOST SPOTS. NO  
SIGNIFICANT RETURNING REGIONS ARE EXPECTED WITHIN THE NEXT  
THREE DAYS.

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

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS  
BEEN ACTIVE WITH FLUCTUATIONS BRIEFLY TO NEAR MINOR STORM  
LEVEL. CORONAL HOLE INFLUENCE IS EXPECTED TO SUBSIDE AND  
UNSETTLED TO NEAR QUIET CONDITIONS ARE EXPECTED TO DEVELOP ON  
28 JULY.

III. EVENT PROBABILITIES 28 JUL-30 JUL

CLASS M	10/10/10
CLASS X	01/01/01
PROTON	01/01/01
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	26 JUL	099
ESTIMATED	27 JUL	094
PREDICTED	28 JUL-30 JUL	098/101/104
90 DAY MEAN	26 JUL	163

V. GEOMAGNETIC A INDICES

OBSERVED AFR	25 JUL	021	AP 26 JUL	027
ESTIMATED AFR	26 JUL	022	AFR/AP 27 JUL	016/025
PREDICTED AFR/AP	28 JUL-30 JUL	012/020-006/015-006/010		

SOLTERWARN

BT

HFUS 3 BOU 272200  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 208B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 27 JUL 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM  
27/1200Z TO 27/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE  
PAST NINE HOURS. NEW REGION 3828 (N06E43) HAS EMERGED ON THE  
DISK AND IS NOW VISIBLE AS A SMALL SLOWLY GROWING CLASS D  
GROUP. ONE OTHER SUNSPOT GROUP IS VISIBLE TODAY AND IT IS ONLY  
A SINGLE CLASS A SPOT.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD BE LOW TO  
VERY LOW FOR THE NEXT THREE DAYS. THE GROWTH TREND IN REGION  
3828 IS NOT EXPECTED TO CONTINUE. NO SIGNIFICANT ACTIVE REGIONS  
ARE EXPECTED TO RETURN TO THE EAST LIMB DURING THE FORECAST  
PERIOD.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD  
CONTINUES ACTIVE BUT IS TRENDING TOWARD UNSETTLED LEVELS. THE  
SOLAR WIND SPEED CONTINUES AT A MODERATELY HIGH VELOCITY BUT  
THE STREAM IS TAKING FEWER SOUTHWARD EXCURSIONS. ACTIVE  
CONDITIONS SHOULD BE EXPERIENCED NEAR LOCAL MIDNIGHT DURING THE  
NEXT 12 HOURS. THEREAFTER, GENERALLY UNSETTLED CONDITIONS  
SHOULD DOMINATE.

III. EVENT PROBABILITIES 28 JUL-30 JUL

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 JUL 095

PREDICTED 28 JUL-30 JUL 095/097/098

90 DAY MEAN 27 JUL 162

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 26 JUL 028/027

ESTIMATED AFR/AP 27 JUL 017/025

PREDICTED AFR/AP 28 JUL-30 JUL 012/020-006/015-006/010

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HXUS BOU 272200

PREDM 00528 00529 00530

PREDX 00128 00129 00130

PREDP 00128 00129 00130

PCAFT 00128

TENCM 09528 09729 09830

AFRED 01228 00629 00630

AFAPF 02028 01529 01030

BT