

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  
SOLTERWARN  
BT

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