

HFUS 1 BOU 061300  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 340A  
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 1300Z 06 DEC 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM  
05/1200Z TO 06/1200Z: SOLAR ACTIVITY HAS REMAINED AT A MODERATE  
LEVEL. REGION 4014 (N07E13) WHICH PRODUCED THE ONLY M EVENT  
THAT COULD BE OPTICALLY CORRELATED REMAINS DYNAMIC AND  
THREATENING IN APPEARANCE. THE PLAGE IS OFTEN NEAR FLARE  
INTENSITY WHEN NOT ACTUALLY FLARING. THE SPOT GROUP CONTINUES  
ITS ERRATIC DEVELOPMENT. REGION 4007 (S15W68) HAS CEASED ITS  
SPOT REORGANIZATION BUT THE PLAGE IS OFTEN FLARE BRIGHT. REGION  
4012 (N12E03) APPEARS TO BE IN AN IRREVERSIBLE DECAY. THE OTHER  
DISK FEATURES HAVE NOT CHANGED MUCH.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY LEVELS ARE EXPECTED  
TO REMAIN RELATIVELY CONSTANT. REGION 4014 SHOULD CONTINUE TO  
PRODUCE M CLASS FLARES.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS  
BEEN UNSETTLED. A CORONAL TRANSIENT IDENTIFIED ON 3 DEC SHOULD  
BRING ACTIVE CONDITIONS LATER TODAY THAT ARE EXPECTED TO  
PERSIST THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 07 DEC-09 DEC

CLASS M 95/95/95

CLASS X 20/20/05

PROTON 30/30/05

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 DEC 216

ESTIMATED 06 DEC 221

PREDICTED 07 DEC-09 DEC 223/224/223

90 DAY MEAN 05 DEC 166

V. GEOMAGNETIC A INDICES

OBSERVED AFR 04 DEC 011 AP 05 DEC 015

ESTIMATED AFR 05 DEC 010 AFR/AP 06 DEC 007/015

PREDICTED AFR/AP 07 DEC-09 DEC 015/020-018/020-015/010

SOLTERWARN

BT

HXUS BOU 061300

PREDM 09507 09508 09509

PREDX 02007 02008 00509

PREDP 03007 03008 00509

PCAFT 00207

TENCM 22307 22408 22309

AFRED 01507 01808 01509

AFAPF 02007 02008 01009

KKK 22244 33333 44433

BT

HFUS 3 BOU 062200  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 340B  
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 06 DEC 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM  
06/1200Z TO 06/2100Z: SOLAR ACTIVITY WAS LOW FOR THIS PERIOD,  
BUT AN M2 EVENT OCCURRED AT 2106Z FROM AN UNIDENTIFIED REGION  
EVEN WITH OPTICAL OBSERVATIONS AVAILABLE. IT IS ASSUMED THE  
SOURCE IS EITHER NE OR SE LIMB WHERE IMPORTANT REGIONS ARE  
EXPECTED. THE LARGEST EVENT UP TO 2100Z WAS C8/1B FROM REGION  
4012(N13W04) WHERE THERE HAS BEEN RAPID SPOT DECAY AND STRONG  
INTERACTION WITH NEIGHBORING REGIONS. NUMEROUS SMALLER FLARES  
HAVE OCCURRED IN REGION 4014(N05E05) WHERE A DELTA  
CONFIGURATION HAS FORMED AGAIN. THIS REGION IS NOT INCREASED  
IN AREA, BUT IT CONTINUES TO FORM NEW SPOTS AS OTHERS DECAY  
AND/OR COALESCE. RAPID GROWTH IN SMALL NEW REGION 4019(S23W34)  
RESULTED IN A C5/1B EVENT AT 2020Z. LARGE SINGLE SPOTS HAVE  
ROTATED INTO VIEW AT S05E71(REGION 4020) AND S17E74(REGION  
4021). FLARE ACTIVITY HAS CONTINUED TO BE ABSENT FROM REGION  
4007 (S15W76) IN SPITE OF ITS LARGE AND COMPLEX SPOT GROUP WITH  
A DELTA CONFIGURATION.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE  
MODERATE WITH CONTINUED CLASS M ACTIVITY FROM THE  
4010/4012/4014 COMPLEX. ADDITIONAL EVENTS MAY OCCUR FROM EAST  
LIMB REGIONS.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS  
BEEN QUIET. UNSETTLED CONDITIONS ARE EXPECTED TOMORROW,  
FOLLOWED BY ACTIVE CONDITIONS 8-9 DECEMBER DUE TO CORONAL  
TRANSIENT ACTIVITY ON 3 DECEMBER.

III. EVENT PROBABILITIES 07 DEC-09 DEC

CLASS M 95/95/95  
CLASS X 10/10/05  
PROTON 10/10/05  
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX  
OBSERVED 06 DEC 217  
PREDICTED 07 DEC-09 DEC 210/205/200  
90 DAY MEAN 06 DEC 166

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 05 DEC 009/014  
ESTIMATED AFR/AP 06 DEC 003/006  
PREDICTED AFR/AP 07 DEC-09 DEC 015/020-018/020-015/010

SOLTERWARN  
BT