

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
 TENCN 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