

HFUS 1 BOU 081300
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 312A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 1300Z 08 NOV 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
07/1200Z TO 08/1200Z: SOLAR ACTIVITY REMAINS LOW. THERE HAVE
BEEN TEN SMALL C-CLASS XRAY EVENTS IN THE PAST 24 HOURS BUT
MOST WERE NOT OBSERVED OPTICALLY BECAUSE OF POOR WEATHER
CONDITIONS AT MOST OBSERVATORIES. REGION 3979 (N11E18) HAS
SLOWED ITS RAPID GROWTH AND IS ONLY SLIGHTLY MORE COMPLEX THAN
YESTERDAY. IT IS THE LIKELY SOURCE OF MOST OF TODAY'S
UNASSOCIATED XRAY EVENTS. THREE SMALL NEW REGIONS WERE
NUMBERED, 3982 (S12W58), 3983 (S11W11) AND 3984 (S15E74).
REGION 3983 DEVELOPED RAPIDLY ON THE DISK AND PRODUCED A SMALL
SUBFLARE. ALL OTHER REGIONS ARE SMALL AND STABLE OR DECLINING.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN LOW WITH ONLY REGION 3979 CAPABLE OF AN ISOLATED M-CLASS
EVENT.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN QUIET. THE MINOR STORM EXPECTED ON 08 NOV FROM A FILAMENT
ERUPTIONS HAS NOT ARRIVED. THE FIELD IS EXPECTED TO BE
UNSETTLED THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 09 NOV-11 NOV

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 NOV 145

ESTIMATED 08 NOV 148

PREDICTED 09 NOV-11 NOV 150/152/154

90 DAY MEAN 07 NOV 163

V. GEOMAGNETIC A INDICES

OBSERVED AFR 06 NOV 011 AP 07 NOV 005

ESTIMATED AFR 07 NOV 006 AFR/AP 08 NOV 015/010

PREDICTED AFR/AP 09 NOV-11 NOV 012/015-010/020-010/020

SOLTERWARN

BT

HXUS BOU 081300

PREDM 00509 00510 00511

PREDX 00109 00110 00111

PREDP 00109 00110 00111

PCAFT 00109

TENCM 15009 15210 15411

AFRED 01209 01010 01011

AFAPF 01509 02010 02011

KKK 33343 32233 34433

BT

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UNSETTLED THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 09 NOV-11 NOV

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 NOV 145

ESTIMATED 08 NOV 148

PREDICTED 09 NOV-11 NOV 150/152/154

90 DAY MEAN 07 NOV 163

V. GEOMAGNETIC A INDICES

OBSERVED AFR 06 NOV 011 AP 07 NOV 005

ESTIMATED AFR 07 NOV 006 AFR/AP 08 NOV 015/010

PREDICTED AFR/AP 09 NOV-11 NOV 012/015-010/020-010/020

SOLTERWARN

BT

HXUS BOU 081300

PREDM 00509 00510 00511

PREDX 00109 00110 00111

PREDP 00109 00110 00111

PCAFT 00109

TENCM 15009 15210 15411

AFRED 01209 01010 01011

AFAPF 01509 02010 02011

KKK 33343 32233 34433

BT

HFUS 3 BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 312B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 08 NOV 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 08/1200Z TO 08/2100Z: SOLAR ACTIVITY HAS BEEN LOW DURING THIS INTERVAL WITH FREQUENT BUT LOW CLASS C FLARES BEING OBSERVED.

WEATHER HAS PREVENTED OPTICAL DETERMINATION OF MOST SOURCE LOCATIONS. REGION 3979 (N12E11) APPEARS TO HAVE PEAKED BUT STILL RETAINS SLIGHTLY MIXED POLARITIES. NEW REGION 3987 (S16E80) COULD BE THE SOURCE OF MANY OF THESE SMALL EVENTS SINCE MODERATE 10 CM EMISSION AND A MODERATE SIZED SPOT ARE BEING OBSERVED IN THIS LIMB AREA. TWO SMALL REGIONS EMERGED ON THE DISK AND WERE NUMBERED 3985 (S14W58) AND 3986 (N07E55).

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN GENERALLY LOW WITH FREQUENT SMALL FLARES CONTINUING. REGION 3987 IS A NEW, POSSIBLY GROWING REGION AND MAY BE MORE FLARE CAPABLE THAN PRESENT LIMITED DATA INDICATE.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN AT NEAR MINOR STORM LEVELS SINCE APPROXIMATELY 1630Z. SOLAR WIND DATA SHOW THIS DISTURBANCE TO BE RELATED TO THE FILAMENT DISRUPTION ON 04 NOV. ACTIVE TO MINOR STORM CONDITIONS SHOULD BE EXPERIENCED THROUGH TOMORROW FROM THIS EVENT. UNSETTLED TO SLIGHTLY ACTIVE LEVELS SHOULD BE EXPERIENCED ON 10-11 NOV.

III. EVENT PROBABILITIES 09 NOV-11 NOV

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 NOV 148

PREDICTED 09 NOV-11 NOV 150/153/155

90 DAY MEAN 08 NOV 163

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 07 NOV 004/005

ESTIMATED AFR/AP 08 NOV 017/015

PREDICTED AFR/AP 09 NOV-11 NOV 020/025-012/020-010/020

SOLTERWARN

BT