

HFUS 1 BOU 111300
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 284A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 1300Z 11 OCT 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
10/1200Z TO 11/1200Z: SOLAR ACTIVITY CONTINUES LOW. ANOTHER DAY
HAS PASSED WITHOUT THE XRAY INTENSITY EXCEEDING C1. THE MOST
ACTIVE-APPEARING REGION ON THE DISK IS REGION 3938(N22W1Z) WITH
ITS SMALL DAI SPOT GROUP AND NUMEROUS SPOTS. ITS MAGNETIC
CONFIGURATION SUGGESTS SHEARING FORCES PRESENT IN THE REGION.
IT LIES ADJACENT TO A LARGE CORONAL HOLE THAT HAS PARTIALLY
DISAPPEARED IN THE PAST 36 HOURS, WITH THE GREATEST LOSS OF
AREA OCCURRING NW OF REGION 3938. NEARBY REGION 3942(N15W17)
HAS INCREASED SLIGHTLY IN AREA AND COMPLEXITY. ALL OTHER
REGIONS ARE SMALL AND STABLE OR DECLINING. THERE IS NO
EVIDENCE OF ADDITIONAL REGIONS RETURNING TO EAST LIMB.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN LOW FOR THE NEXT THREE DAYS. FURTHER DEVELOPMENT OF
REGIONS 3938 AND 3940 IS EXPECTED. MODERATE FLARE ACTIVITY MAY
OCCUR BEFORE THESE REGIONS COMPLETE THEIR DISK TRANSIT.
ADDITIONAL REGIONS ARE EXPECTED AT EAST LIMB DURING THE NEXT
FEW DAYS.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN UNSETTLED. UNSETTLED TO SLIGHTLY ACTIVE CONDITIONS ARE
EXPECTED FOR ANOTHER 36 HOURS BEFORE COMMENCEMENT OF A MINOR
GEOMAGNETIC STORM. THIS DISTURBANCE IS EXPECTED TO LAST LESS
THAN 24 HOURS.

III. EVENT PROBABILITIES 12 OCT-14 OCT

CLASS M 05/05/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 OCT 135

ESTIMATED 11 OCT 135

PREDICTED 12 OCT-14 OCT 136/139/143

90 DAY MEAN 10 OCT 168

V. GEOMAGNETIC A INDICES

OBSERVED AFR 09 OCT 003 AP 10 OCT 012

ESTIMATED AFR 10 OCT 010 AFR/AP 11 OCT 014/015

PREDICTED AFR/AP 12 OCT-14 OCT 015/015-035/030-015/025

SOLTERWARN

BT

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HFUS 3 BOU 112200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 284B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 11 OCT 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
11/1200Z TO 11/2100Z: SOLAR ACTIVITY HAS REMAINED LOW. X-RAY
BURSTS HAVE BEEN AT C1 OR BELOW WITH SUBFLARES HAVING BEEN
REPORTED IN REGIONS 3938 (N23W17) AND 3944 (N09W02). REGION
3938 CONTINUES A SLOW GROWTH WITH MAGNETIC COMPLEXITY
INCREASING TO A BETA GAMMA CONFIGURATION. REGION 5947 (N10W14)
EMERGED JUST EAST OF REGION 3940 (N13W27); REGION 3940 IS
DECAYING. OTHER DISK REGIONS ARE STABLE OR DECAYING.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN LOW.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN UNSETTLED. THE FIELD IS EXPECTED TO BE GENERALLY ACTIVE
THROUGH THE FORECAST PERIOD WITH A SHORT PERIOD AT MINOR STORM
LEVEL COMMENCING LATE ON 12 OCTOBER.

III. EVENT PROBABILITIES 12 OCT-14 OCT

CLASS M 05/05/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 OCT 138

PREDICTED 12 OCT-14 OCT 140/142/143

90 DAY MEAN 11 OCT 167

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 10 OCT 012/012

ESTIMATED AFR/AP 11 OCT 012/015

PREDICTED AFR/AP 12 OCT-14 OCT 015/015-035/030-015/025

SOLTERWAR N

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