

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. EVFNT 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
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HFUS 3 80U 112200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SF 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 133

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

BT