

HFUS 1 BOU 151300
 FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
 SDF NUMBER 288A
 JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
 ISSUED 1300Z 15 OCT 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
 14/1200Z TO 15/1200Z: SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST
 24 HOURS. REGION 3949 (N03W40) WHICH HAS BEEN GROWING AND
 FORMING MIXED POLARITIES IN ITS CENTRAL PORTION, PRODUCED A
 C9/SB AT 15/1151Z. THIS WAS A SHORT-LIVED FLARE WITH MINOR
 RADIO BURSTS AND MINOR SWF. REGION 3946 (S10W41) IS ALSO
 GROWING, AT A SLIGHTLY FASTER RATE THAN 3949, BUT REMAINS
 BIPOLAR. REGION 3938 (N22W65) HAS REMAINED STABLE AND 3948
 (N07W15) HAS SHOWN SLIGHT DECAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN
 GENERALLY LOW FOR THE FORECAST PERIOD. THE POSSIBILITY OF A
 CLASS M FLARE FROM 3949 OBVIOUSLY EXISTS AFTER ITS C9 TODAY.
 BUT MORE LIKELY ONLY FREQUENT CLASS C FLARES WILL BE PRODUCED
 BY THIS SMALL REGION. PREVIOUSLY ACTIVE LONGITUDES ARE DUE TO
 BEGIN RETURNING TO THE EAST LIMB AT THE END OF THE FORECAST
 PERIOD.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE MINOR GEOMAGNETIC
 STORM CONDITIONS EXPERIENCED YESTERDAY BEGAN SUBSIDING AFTER
 ABOUT 14/1500Z. UNSETTLED CONDITIONS HAVE PREVAILED SINCE THAT
 TIME. THE EFFECTS OF A CORONAL HOLE HIGH SPEED SOLAR WIND
 STREAM ARE STILL EXPECTED TO OCCUR LATER TODAY AND CONTINUE FOR
 THE NEXT THREE DAYS. ACTIVE GEOMAGNETIC CONDITIONS SHOULD OCCUR
 DURING THAT INTERVAL.

III. EVENT PROBABILITIES 16 OCT-18 OCT

CLASS M	10/10/10
CLASS X	01/01/01
PROTON	01/01/01
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	14 OCT	141
ESTIMATED	15 OCT	143
PREDICTED	16 OCT-18 OCT	145/140/145
90 DAY MEAN	14 OCT	163

V. GEOMAGNETIC A INDICES

OBSERVED AFR	13 OCT	024	AP 14 OCT	035
ESTIMATED AFR	14 OCT	023	AFR/AP 15 OCT	014/020
PREDICTED AFR/AP	16 OCT-18 OCT	020/015-020/020-020/020		

SOLTERWARN
 BT

HXUS BOU 151300
 PREDM 01016 01017 01018
 PREDX 00116 00117 00118
 PREDP 00116 00117 00118
 PCAFT 00116
 TENCN 14516 14017 14513
 AFRED 02016 02017 02018
 AFAPF 01516 02017 02018
 KKK 33443 33333 34433
 BT

NNNNCVZGVZLVZO UU

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HFUS 3 BOU 152200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SF NUMBER 288

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 15 OCT 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 15/1200Z TO 15/2100Z: SOLAR ACTIVITY HAS BEEN LOW. THERE WERE ONLY THREE FLARES THIS PERIOD. THE LARGEST WAS A C3/SUB BRIGHT FROM REGION 3950 (S07E39). REGION 3943 (S15E01) DEVELOPED OVERNIGHT FROM A SPOTLESS PLAGE AREA TO A SMALL BIPOLAR GROUP. NO OTHER SIGNIFICANT GROWTH WAS NOTED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW THROUGH THE FORECAST PERIOD.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED DURING THIS PERIOD. CORONAL HOLE ASSOCIATED ACTIVE CONDITIONS ARE EXPECTED TO RETURN ON THE 16TH AND REMAIN THROUGH THE FORECAST.

III. EVENT PROBABILITIES 16 OCT-18 OCT

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 15 OCT 135

PREDICTED 16 OCT-18 OCT 133/130/128

90 DAY MEAN 15 OCT 161

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 14 OCT 021/025

ESTIMATED AFR/AP 15 OCT 007/010

PREDICTED AFR/AP 16 OCT-18 OCT 020/015-020/015-020/015

SOLTERWAR N

BT

NNNNSV

UU