

HFUS 1 BOU 081300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 281A

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

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM  
07/1200Z TO 08/1200Z: SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST  
24 HOURS AS THE NUMBER OF ACTIVE REGIONS DECREASED. THE SIX  
AREAS WITH SUNSPOTS ARE ALL SMALL AND CHANGING SLOWLY. THE  
EMERGENCE OF REGION 3939(S12E01) AND MINOR GROWTH IN NEARBY  
REGION 3932(S11E04) MAY BE CREATING COMPLEX FIELDS CAPABLE OF  
FLARES APPROACHING MODERATE INTENSITY. REGION 3939 IS OF  
REVERSED POLARITY, A SYMPTOM OF HIGHER FLARE POTENTIAL. MINOR  
SURGES AND PLAGE MARK EAST LIMB TRANSIT OF NEW REGIONS NEAR  
N17. RETURNING REGIONS AT SE LIMB DURING THE NEXT TWO DAYS MAY  
PARTIALLY COMPENSATE FOR LOSS OF REGIONS AT NW LIMB. MINOR  
GROWTH HAS NEARLY CEASED IN REGION 3938(N22E29).

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO  
CONTINUE LOW AS LONG AS REGIONS EVOLVE SLOWLY AND REMAIN SMALL.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS  
BEEN ACTIVE. SMALL CORONAL HOLES THAT ARE SLOWLY ENLARGING  
NEAR ACTIVE FILAMENTS PROMISE A CONTINUED ACTIVE TO UNSETTLED  
PERIOD OVER THIS FORECAST INTERVAL.

III. EVENT PROBABILITIES 09 OCT-11 OCT

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 OCT 140

ESTIMATED 08 OCT 134

PREDICTED 09 OCT-11 OCT 125/122/119

90 DAY MEAN 07 OCT 171

V. GEOMAGNETIC A INDICES

OBSERVED AFR 06 OCT 017 AP 07 OCT 034

ESTIMATED AFR 07 OCT 028 AFR/AP 08 OCT 017/017

PREDICTED AFR/AP 09 OCT-11 OCT 016/015-012/015-012/015

SOLTERWARN

BT

XBOU

HFUS 3 BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 281E

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 08 OCT 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM  
08/1200Z TO 08/2100Z: SOLAR ACTIVITY REMAINS LOW WITH ONLY  
OCCASIONAL LOW LEVEL CLASS C X-RAY BURSTS ASSOCIATED WITH  
SUBFLARES. REGION 3938 (N22E23) IS THE ONLY DISK REGION THAT  
HAS GROWN. THOUGH SIMPLE, IT CURRENTLY IS THE MOST SIGNIFICANT  
REGION. REGION 3940 (N15E20) EMERGED TODAY WITH A STRONG ARCH  
FILAMENT SYSTEM, INDICATING CONTINUED GROWTH CAN BE EXPECTED  
FOR THIS REGION. THE KITT PEAK MAGNETOGRAM SHOWS SEVERAL  
ADDITIONAL SMALL BIPOLAR AREAS ON THE DISK WHERE SPOTS MAY  
EMERGE DURING THE NEXT 24 HOURS.

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

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS  
BEEN ACTIVE. THE FIELD IS EXPECTED TO BE SLIGHTLY ACTIVE TO  
UNSETTLED THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 09 OCT-11 OCT

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 OCT 137

PREDICTED 09 OCT-11 OCT 134/132/131

90 DAY MEAN 08 OCT 170

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 07 OCT 027/034

ESTIMATED AFR/AP 08 OCT 017/017

PREDICTED AFR/AP 09 OCT-11 OCT 016/015-012/015-012/015

SOLTERWAR N

BT

NNNNSV

NNNVCVZGVZLVZOVZSV