

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

KB0U
HFUS 3 BOU 082200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 281B

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

NNNN SV

NNNN CVZ GVZL VZOVZ SV