

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	016/015-012/015-015-012/015	SOLTERWARN		
BT					

KBOU

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 BIPOLEAR 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 INDEXES

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 CVZGVZL VZOVZ SV