

NCZGZLZ0Z
NZCZGZLZU
KBOU

HFUS 1 BOU 271300
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 300A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 1300Z 27 OCT 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
26/1200Z TO 27/1200Z: SOLAR ACTIVITY HAS CONTINUED AT LOW
LEVELS, WITH ONLY ISOLATED C-CLASS SUBFLARES BEING REPORTED.
THERE ARE CURRENTLY SIX SIMPLE REGIONS ON THE SOLAR DISK. THE
NEWEST IS REGION 3427 (N16E80), WHICH JUST ROTATED ON AT THE
EAST LIMB.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
CONTINUE AT LOW LEVELS. NO REGION CURRENTLY ON THE DISK IS
CAPABLE OF PRODUCING MAJOR FLARES. OLD ACTIVE REGION 3388 (S09)
SHOULD BE ABOUT 24 HOURS AWAY FROM THE EAST LIMB, BUT THERE IS
NOT YET ANY EVIDENCE OF ITS RETURN.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD WAS
UNSETTLED, BECOMING QUIET DURING THE LATTER PART OF THIS
PERIOD. A LARGE NORTHERN HEMISPHERIC SOLAR CORONAL HOLE CAN BE
EXPECTED TO BRING ACTIVE LEVELS ON 29-30 OCT.
OTHERWISE, THE FIELD SHOULD BE UNSETTLED.

III. EVENT PROBABILITIES 28 OCT-30 OCT

CLASS M 20/20/20
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 OCT 174
ESTIMATED 27 OCT 168
PREDICTED 28 OCT-30 OCT 165/160/165
90 DAY MEAN 26 OCT 221

V. GEOMAGNETIC A INDICES

OBSERVED AFR 25 OCT 021 AP 26 OCT 009
ESTIMATED AFR 26 OCT 012 AFR/AP 27 OCT 007/012
PREDICTED AFR/AP 28 OCT-30 OCT 012/014-015/018-015/020

SOLTERWARN

BT

NNNNZ

1257

HIUS KXMR 271300

TELCO

74794 11027 2ATS5 4//01

11111 1300/ 36016 99999

NNNNZCZGZLZ0Z

NZCZGZLZZ

NCZGZLZZV

NCZGZLZU

KBOU

HXUS BOU 271300

PREDM 02028 02029 02030

PREDX 00128 00129 00130

PREDP 00128 00129 00130

PCAFT 00128

TENCM 16528 16029 16530

AFRED 01228 01529 01530

AFAPF 01428 01829 02030

VVV 00000 00000 33333

HFUS 3 BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 300B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 27 OCT 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 27/1200Z TO 27/2100Z: SOLAR ACTIVITY HAS BEEN LOW FOR THIS PERIOD. THE LARGEST EVENT WAS A SB/C7 AT 27/1840 UT FROM REGION 3416(S05W54). NO NEW REGIONS HAVE BEEN CONFIRMED SINCE 3427(N16E73).

IR. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW. GROWTH OBSERVED IN REGION 3416 HAS THUS FAR BEEN INSUFFICIENT TO PRODUCE MODERATE ACTIVITY.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED FOR THE PAST 24 HOURS WITH THE EXCEPTION OF THE 15-18 UT PERIOD WHEN K=4 AT BOULDER. UNSETTLED CONDITIONS ARE EXPECTED FOR 28 OCT, BECOMING ACTIVE ON 29-30 OCT IN RESPONSE TO A NORTHERN HEMISPHERE CORONAL HOLE.

III. EVENT PROBABILITIES 28 OCT-30 OCT

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 OCT 174

PREDICTED 28 OCT-30 OCT 172/168/170

90 DAY MEAN 27 OCT 221

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 26 OCT 010/009

ESTIMATED AFR/AP 27 OCT 013/012

PREDICTED AFR/AP 28 OCT-30 OCT 012/014-015/018-017/020

SOLTERWARN

BT

HXUS BOU 272200

PREDM 02028 02029 02030

PREDX 00128 00129 00130

PREDP 00128 00129 00130

PCAFT 00128

TENCM 17228 16829 17030

AFRED 01228 01529 01730

AFAPF 01428 01829 02030

BT