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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
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1257
HIUS KXMR 271300
TELCO
74794 11027 2ATS5 4/01
11111 1300/ 36016 99999

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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
VVK 00033 00033 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