

HFUS 1 BOU 141300
 FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
 SDF NUMBER 104A
 JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
 ISSUED 1300Z 14 APR 1982
 IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
 13/1200Z TO 14/1200Z: SOLAR ACTIVITY HAS BEEN MODERATE WITH TWO
 M-CLASS FLARES OBSERVED WITHIN THE PAST 12 HOURS. THE LARGEST
 WAS AN M2/1B FROM REGION 3688 AT 14/0604Z MAXIMUM. REGION 3688
 IS CURRENTLY LOCATED AT N16W27. THIS FLARE WAS ACCOMPANIED BY
 MINOR DISCRETE FREQUENCY BURSTS. THE MORE OPTICALLY IMPRESSIVE
 FLARE WAS PRODUCED BY REGION 3684 (S26W07) AT 14/0259Z MAXIMUM.
 IT WAS AN M1/2B WHICH PRODUCED A 190 FLUX UNIT BURST AT 2695MHZ
 AND A TYPE IV SWEEP. UMBRAL COVERAGE AND PARALLEL RIBBONS WERE
 OBSERVED WITH THIS FLARE. OF THE TWO REGIONS, 3688 REMAINS THE
 MORE IMPRESSIVE, WITH A POSSIBLE DELTA MAGNETIC CONFIGURATION
 AND CLOSE PROXIMITY TO REGION 3679 (N12W25). REGION 3684 IS A
 SMALL C-TYPE SPOT GROUP, BUT DOES CONTAIN STRONG GRADIENTS IN
 THE CENTRAL PORTION OF THE REGION AND CONTINUES TO GROW SLOWLY.
 MINOR FLARES HAVE BEEN PRODUCED BY REGIONS 3675 (S14W68), 3680
 (S04W28) AND 3681 (S07W23). THE REMAINING NINE SPOTTED DISK
 REGIONS ARE SIMPLE AND STABLE.
 IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
 OCCASIONALLY MODERATE WITH ISOLATED M-CLASS EVENTS FROM REGION
 3688. REGION 3684 MAY PRODUCE ANOTHER MODERATE SIZED EVENT IF
 ITS GROWTH PATTERN CONTINUES.
 II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
 BEEN UNSETTLED. QUIET TO UNSETTLED CONDITIONS ARE EXPECTED
 UNTIL APRIL 17TH, WHEN ACTIVE LEVELS ARE FORECAST IN RESPONSE
 TO TODAY'S M-CLASS FLARES AND THE FILAMENT ERUPTION SOMETIME
 AFTER 0700Z ON APR 12TH.
 III. EVENT PROBABILITIES 15 APR-17 APR
 CLASS M 70/70/50
 CLASS X 05/05/01
 PROTON 05/05/01
 PCAF GREEN
 IV. OTTAWA 10.7 CM FLUX
 OBSERVED 13 APR 170
 ESTIMATED 14 APR 172
 PREDICTED 15 APR-17 APR 170/168/165
 90 DAY MEAN 13 APR 202
 V. GEOMAGNETIC A INDICES
 OBSERVED AFR 12 APR 013 AP 13 APR 014
 ESTIMATED AFR 13 APR 010 AFR/AP 14 APR 010/012
 PREDICTED AFR/AP 15 APR-17 APR 008/012-012/013-018/023
 SOLTERWARN
 BT

HXUS BOU 141300
 PREDM 07015 07016 05017
 PREDX 00515 00516 00117
 PREDP 00515 00516 00117
 PCAFT 00115
 TENCM 17015 16816 16517
 AFRED 00815 01216 01817
 AFAPF 01215 01316 02317
 KKK 33233 32223 33332
 BT

HFUS 3 BOU 142200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 104B
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 14 APR 1982
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
14/1200Z TO 14/2100Z: SOLAR ACTIVITY WAS LOW FOR THIS PERIOD.
REGION 3682 (N03W21) HAD A C2/SN FLARE AND REGION 3684 (S27W15)
A SF OPTICAL FLARE. NO OTHER REGION WAS A SIGNIFICANT
CONTRIBUTOR DURING THIS TIME PERIOD.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY WILL BE LOW TO
MODERATE. REGION 3688, (N17W35) WITH ITS BG MAGNETIC
CONFIGURATION AND CLOSE AFFILIATION WITH REGION 3679 (N12W31),
SHOULD CONTINUE AS THE MOST VOLATILE REGION ON THE DISK. NO
OTHER REGION SHOWS PROMISE AS A SIGNIFICANT FLARE PRODUCER.
II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN UNSETTLED FOR THIS PERIOD AND SHOULD REMAIN SO FOR THE
NEXT 48 HOURS.
III. EVENT PROBABILITIES: 15 APR-17 APR
CLASS M 70/70/50
CLASS X 05/05/01
PROTON 05/05/01
PCAF GREEN
IV. OTTAWA 10.7 CM FLUX
OBSERVED 14 APR 157
PREDICTED 15 APR-17 APR 152/148/148
90 DAY MEAN 14 APR 203
V. GEOMAGNETIC A INDICES
OBSERVED AFR/AP 13 APR 012/014
ESTIMATED AFR/AP 14 APR 009/009
PREDICTED AFR/AP 15 APR-17 APR 008/012-012/013-018/023
SOLTERWARN
BT

HXUS BOU 142200
PREDM 07015 07016 05017
PREDX 00515 00516 00117
PREDP 00515 00516 00117
PCAFT 00115
TENCM 15215 14816 14817
AFRED 00815 01216 01817
AFAPF 01215 01316 02317
BT