

HFUS 1 BOU 011300
 FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
 SDF NUMBER 091A
 JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
 ISSUED 1300Z 01 APR 1982
 IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
 31/1200Z TO 01/1200Z: SOLAR ACTIVITY HAS BEEN MODERATE THIS
 PERIOD DUE TO AN M7/1B FLARE IN REGION 3659(N11W48) AT 31/2227
 UT. RESTRUCTURING OF THE LEADER SPOTS IN THIS REGION HAS
 OCCURRED AND IT HAS NOT LOST THE FEATURES MARKING IT AS STILL
 ACTIVE. LARGE C-CLASS X-RAY BURSTS HAVE BECOME COMMON IN REGION
 3659. REGION 3662(S21W15) IS ERUPTIVE, PRODUCING SEVERAL SMALL
 FLARES THIS PERIOD.
 IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
 REMAIN MODERATE FOR THE FORECAST PERIOD DUE TO REGION 3659.
 II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD WAS
 UNSETTLED FOR THE PAST 24 HOURS. A MINOR GEOMAGNETIC STORM IS
 EXPECTED TO COMMENCE LATE ON 1 APRIL DUE TO THE X2/3B FLARE
 WHICH OCCURRED ON 30 MARCH. ACTIVE CONDITIONS SHOULD PREVAIL ON
 3 APRIL, BECOMING UNSETTLED TO ACTIVE ON 4 APRIL.
 III. EVENT PROBABILITIES 02 APR-04 APR
 CLASS M 80/70/70
 CLASS X 20/20/20
 PROTON 15/15/10
 PCAF YELLOW
 IV. OTTAWA 10.7 CM FLUX
 OBSERVED 31 MAR 185
 ESTIMATED 01 APR 180
 PREDICTED 02 APR-04 APR 175/165/152
 90 DAY MEAN 31 MAR 202
 V. GEOMAGNETIC A INDICES
 OBSERVED AFR 30 MAR 014 AP 31 MAR 021
 ESTIMATED AFR 31 MAR 017 AFR/AP 01 APR 014/018
 PREDICTED AFR/AP 02 APR-04 APR 030/035-017/020-014/015
 SOLTERWARN
 BT

HXUS BOU 011300
 PREDM 03002 07003 07004
 PREDX 02002 02003 02004
 PREDP 01502 01503 01004
 PCAFT 00202
 TENCN 17502 16503 15204
 AFRED 03002 01703 01404
 AFAPF 03502 02003 01504
 KKK 24455 43334 54332
 RT

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 COMMAND? T
 HFUS-3 BOU 012200
 FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
 SDF NUMBER 091B
 JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
 ISSUED 2200Z 01 APR 1982
 IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
 01/1200Z TO 01/2100Z: SOLAR ACTIVITY WAS MODERATE DURING THIS
 PERIOD. REGION 3659 (N11W59) HAS PRODUCED A M1/SB AND A M4/1E
 FLARE. THE REGION STILL SHOWS A BETA-GAMMA-DELTA MAG TYPE
 THOUGH SHOWING SIGNS OF DECAY. THE REGION SHOULD CONTINUE AS A
 MODERATE FLARE CONTRIBUTOR UNTIL IT ROTATES OFF OF THE DISK.
 ONLY SPARSE ACTIVITY HAS OCCURED IN REGION 3667 (N18W09) AND
 REGION 3670 (S18E45). A NEW REGION 3671 (N04E70) WAS NUMBERED.
 IT HAS A HSX TYPE CONFIGURATION AND IS NOT THOUGHT TO BE A
 SIGNIFICANT FLARE PRODUCER.
 IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY WILL CONTINUE TO BE
 MODERATE. REGION 3659 SHOULD CONTINUE TO BE THE DOMINANT
 REGION ON THE DISK AND ACTIVITY SHOULD DECLINE WITH ITS
 TRANSIT FROM THE DISK.
 II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
 BEEN UNSETTLED TO OCCASIONALLY ACTIVE FOR THIS PERIOD AND WILL
 INCREASE IN INTENSITY TO ACTIVE OR MINOR STORM CONDITIONS FOR
 THE NEXT 24 HOURS. ACTIVE CONDITIONS WILL CONTINUE FOR 48
 HOURS AFTER STORM CONDITIONS CEASE.
 III. EVENT PROBABILITIES 02 APR-04 APR
 CLASS M 80/70/60
 CLASS X 20/15/10
 PROTON 15/10/05
 PCAF YELLOW
 IV. OTTAWA 10.7 CM FLUX
 OBSERVED 01 APR 174
 PREDICTED 02 APR-04 APR 165/155/150
 90 DAY MEAN 01 APR 202
 V. GEOMAGNETIC A INDICES
 OBSERVED AFR/AP 31 MAR 018/021
 ESTIMATED AFR/AP 01 APR 015/012
 PREDICTED AFR/AP 02 APR-04 APR 030/035-017/020-018/015
 SOLTERWARN
 BT

HXUS BOU 012200
 PREDM 08002 07003 06004
 PREFDX 02002 01503 01004
 PREDP 01502 01003 00504
 PCAFT 00202
 TFNCM 16502 15503 15004
 AFRED 03002 01703 01304
 AFAPF 03502 02003 01504
 BT