

HFUS 1 BOU 271300
 FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
 SDF NUMBER 058A
 JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
 ISSUED 1300Z 27 FEB 1982
 IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
 26/1200Z TO 27/1200Z: SOLAR ACTIVITY HAS BEEN MODERATE TO LOW.
 REGION 3625 (N16E35) IS LESS COMPLEX THAN YESTERDAY AND IT
 PRODUCED ONLY 3 SUBFLARES, THE LARGEST A C5/SB AT 26/2219Z.
 REGION 3628 (N17E50) IS STILL GROWING RAPIDLY AND THE SPOT
 GROUP HAS AGAIN DOUBLED IN SIZE, HOWEVER NO FLARE ACTIVITY HAS
 BEEN REPORTED. A LARGE NEW REGION 3629 (S22E74) HAS PARTIALLY
 ROTATED ONTO THE DISK. SEVERAL FLARES AND BRIGHT SURGES HAVE
 BEEN REPORTED FROM THIS REGION INCLUDING A C5/1B FLARE AT
 27/0836Z WITH A BRIGHT SURGE ON THE LIMB TO .17 SOLAR RADII AND
 A MODERATE RADIO BURST ON ALL FREQUENCIES. ALL OTHER REGIONS
 HAVE BEEN INACTIVE.
 IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
 RETURN TO MODERATE LEVELS WITH M-CLASS FLARES LIKELY FROM
 REGION 3629 AND POSSIBLE FROM REGIONS 3625 AND 3628.
 II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD WAS
 AT ACTIVE TO MINOR STORM LEVELS ON 26 FEB BUT SINCE 27/0000Z IT
 HAS DECREASED TO UNSETTLED LEVELS. ACTIVE TO UNSETTLED
 CONDITIONS ARE EXPECTED FOR THE NEXT 24 HOURS FOLLOWED BY
 UNSETTLED CONDITIONS ON 01-02 MAR.
 III. EVENT PROBABILITIES 28 FEB-02 MAR
 CLASS M 70/70/70
 CLASS X 05/05/05
 PROTON 01/01/01
 PCAF GREEN
 IV. OTTAWA 10.7 CM FLUX
 OBSERVED 26 FEB 208
 ESTIMATED 27 FEB 220
 PREDICTED 28 FEB-02 MAR 226/230/235
 90 DAY MEAN 26 FEB 201
 V. GEOMAGNETIC A INDICES
 OBSERVED AFR 25 FEB 029 AP 26 FEB 033
 ESTIMATED AFR 26 FEB 028 AFR/AP 27 FEB 011/020
 PREDICTED AFR/AP 28 FEB-02 MAR 015/020-010/015-008/012
 SOLTERWARN
 BT

HXUS BOU 271300
 PREDM 07028 07001 07002
 PREDX 00528 00501 00502
 PREDP 00128 00101 00102
 PCAFT 00128
 TENCN 22628 23001 23502
 AFRED 01528 01001 00802
 AFAPF 02028 01501 01202
 KKK 33344 33333 44332
 BT

HFUS 3 BOU 272200
 FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
 SDF NUMBER 058B
 JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
 ISSUED 2200Z 27 FEB 1982
 IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
 27/1200Z TO 27/2100Z: SOLAR ACTIVITY WAS AT LOW LEVELS DURING
 THIS PERIOD. THE LARGEST FLARE WAS A C4/SF EVENT FROM REGION
 3629 (S20E65) AT 1938Z. THERE ARE CURRENTLY 13 SPOTTED REGIONS
 ON THE SOLAR DISK, BUT NONE OF THEM ARE VERY COMPLEX. REGION
 3629 HAS A LARGE AREA (900 MILLIONTHS) BUT APPEARS TO HAVE A
 SIMPLE MAGNETIC STRUCTURE.
 IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
 AT LOW TO MODERATE LEVELS FOR THE NEXT 3 DAYS.
 II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
 BEEN UNSETTLED FOR THE LAST 24 HOURS. SOLAR WIND SPEEDS, AS
 INDICATED BY THE ISEE-3 SATELLITE, ARE SLOWLY COMING BACK DOWN
 TO NORMAL. WE EXPECT UNSETTLED CONDITIONS FOR THE NEXT 3 DAYS.
 III. EVENT PROBABILITIES 28 FEB-02 MAR
 CLASS M 70/70/70
 CLASS X 05/05/05
 PROTON 01/01/01
 PCAF GREEN
 IV. OTTAWA 10.7 CM FLUX
 OBSERVED 27 FEB 226
 PREDICTED 28 FEB-02 MAR 235/245/250
 90 DAY MEAN 27 FEB 201
 V. GEOMAGNETIC A INDICES
 OBSERVED AFR/AP 26 FEB 029/033
 ESTIMATED AFR/AP 27 FEB 012/015
 PREDICTED AFR/AP 28 FEB-02 MAR 012/015-010/012-008/011
 SOLTERWARN
 BT

HXUS BOU 272200
 PREDM 07028 07001 07002
 PREDX 00528 00501 00502
 PREDP 00128 00101 00102
 PCAFT 00128
 TENCM 23528 24501 25002
 AFRED 01228 01001 00802
 AFAPF 01528 01201 01102
 BT