

HFUS 1 BOU 011300
 FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
 SDF NUMBER 060A
 JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
 ISSUED 1300Z 01 MAR 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
 28/1200Z TO 01/1200Z: SOLAR ACTIVITY REMAINS LOW WITH NUMEROUS
 SMALL FLARES FROM REGIONS 3625 (N15E09), 3628 (N17E24) AND 3629
 (S21E47); THE MOST INTERESTING REGIONS ON THE DISK. REGION 3625
 PRODUCED A SUBNORMAL FLARE AT 01/0008Z WITH AN ASSOCIATED DARK
 SURGE ON THE DISK WHICH WAS VISABLE UNTIL 01/0215Z, FOLLOWED BY
 A C3/SB FLARE AT 0240Z AND A C3/SB FLARE AT 0832Z. REGION 3628
 PRODUCED A C5/1B FLARE AT 28/2048Z BUT HAS NOT BEEN ACTIVE
 SINCE THAT TIME. SMALL NEW REGION 3631 (S14E51) DEVELOPED ON
 THE DISK NEAR REGION 3829.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
 REACH MODERATE LEVELS DURING THE FORECAST PERIOD WITH REGIONS
 3625, 3628 AND 3629 ALL CAPABLE OF M-CLASS FLARES. IN ADDITION
 PREVIOUSLY ACTIVE REGION 3594 WILL BEGIN TO ROTATE ONTO THE
 DISK LATE ON 02 MAR.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD
 BECAME ACTIVE AT 01/1150Z WITH A SUDDEN COMMENCEMENT OF 59
 GAMMAS IN BOULDER. THE SOURCE OF THIS ACTIVITY IS NOT KNOWN.
 THE FIELD MAY REMAIN ACTIVE FOR THE NEXT 24 HOURS BEFORE
 RETURNING TO UNSETTLED LEVELS.

III. EVENT PROBABILITIES 02 MAR-04 MAR

CLASS M	60/60/60
CLASS X	01/01/01
PROTON	01/01/01
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	28 FEB	228
ESTIMATED	01 MAR	232
PREDICTED	02 MAR-04 MAR	236/242/245
90 DAY MEAN	28 FEB	200

V. GEOMAGNETIC A INDICES

OBSERVED	AFR	27 FEB	010	AP	28 FEB	008
ESTIMATED	AFR	28 FEB	007	AFR/AP	01 MAR	016/012
PREDICTED	AFR/AP	02 MAR-04 MAR	012/011-008/012-008/012			

SOLTERWARN
 BT

HXUS BOU 011300
 PREDM 06002 06003 06004
 PREDX 00102 00103 00104
 PREDP 00102 00103 00104
 PCAFT 00102
 TENCN 23602 24203 24504
 AFRED 01202 00803 00804
 AFAPF 01102 01203 01204
 KKK 22333 22223 33332
 BT

HFUS 3 BOU 012200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 0600
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 01 MAR 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
01/1200Z TO 01/2100Z: SOLAR ACTIVITY REMAINED AT LOW LEVELS
DURING THIS PERIOD. THERE ARE CURRENTLY SEVERAL LARGE, BUT
MAGNETICALLY SIMPLE SPOT GROUPS ON THE DISK. THESE REGIONS ARE
KEEPING THE BACKGROUND 10 CM FLUX HIGH, BUT THEY ARE NOT
PRODUCING VERY MANY FLARES.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
CONTINUE AT MOSTLY LOW LEVELS. REGIONS 3625 (N14W01), 3628
(N17E15), 3629 (S21E39), AND 3631 (S14E41) EACH OFFER A VERY
SLIGHT CHANCE OF AN ISOLATED M-CLASS EVENT DURING THE NEXT 3
DAYS.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN AT MAJOR STORM LEVELS SINCE THE SUDDEN COMMENCEMENT AT
01/1138Z. THE SOURCE OF THIS ACTIVITY REMAINS UNKNOWN. WE
FORECAST THE FIELD TO RELAX TO UNSETTLED TO SLIGHTLY ACTIVE
LEVELS ON 2 MAR.

III. EVENT PROBABILITIES 02 MAR-04 MAR

CLASS M 60/60/60

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 MAR 236

PREDICTED 02 MAR-04 MAR 242/245/250

90 DAY MEAN 01 MAR 200

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 28 FEB 010/008

ESTIMATED AFR/AP 01 MAR 045/030

PREDICTED AFR/AP 02 MAR-04 MAR 015/015-010/012-008/012

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HXUS BOU 012200

PREDM 06002 06003 06004

PREDX 00102 00103 00104

PREDP 00102 00103 00104

PCAF 00102

TENCM 24202 24503 25004

AFRED 01502 01003 00804

AFAPF 01502 01203 01204

BT

JAN 162.6