

HFXUS 1 BOU 281300

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 059A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1300Z 28 FEB 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 27/1200Z TO 28/1200Z: SOLAR ACTIVITY REACHED A MODERATE LEVEL WITH AN M2/1B FLARE AT 28/0454Z IN REGION 3625 (N16E21). THIS REGION IS STABLE WITH A SIMPLE STRUCTURE BUT IT CONTINUES TO PRODUCE SMALL TO MODERATE SIZE FLARES. REGION 3628 (N18E36) IS GROWING IN SPOT COUNT AND SIZE AND CONTAINS A BRIGHT COMPACT PLAGE AREA. IT HAS PRODUCED FIVE SUBFLARES INCLUDING A C5/SN AT 28/0630Z. THE LARGEST REGION ON THE DISK IS 3629 (S20E59) WITH A GROWING SPOT GROUP OF CLASS/AREA E/920 HOWEVER IT HAS DECREASED IN FLARE ACTIVITY SINCE YESTERDAY. SMALL NEW RGION 3630 (S14E22) DEVELOPED RAPIDLY ON THE DISK AND PRODUCED TWO SMALL SUBFLARES AT 28/0603Z AND 0749Z.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN MODERATE WITH REGIONS 3625, 3628 AND 3629 ALL CAPABLE OF OCCASSIONAL M-CLASS FLARES.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS BEEN QUIET AND QUIET TO UNSETLED CONDITIONS ARE EXPECTED DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 01 MAR-03 MAR

CLASS M 70/70/70

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 FEB 226

ESTIMATED 28 FEB 235

PREDICTED 01 MAR-03 MAR 240/245/255

90 DAY MEAN 27 FEB 201

V. GEOMAGNETIC A INDICES

OBSERVED AFR 26 FEB 029 AP 27 FEB 011

ESTIMATED AFR 27 FEB 009 AFR/AP 28 FEB 005/010

PREDICTED AFR/AP 01 MAR-03 MAR 010/012-008/011-008/012

SOLTERWARN

BT

HXUS BOU 281300

PREDM 07001 07002 07003

PREDX 00101 00102 00103

PREDP 00101 00102 00103

PCAFT 00101

TENCM 24001 24502 25503

AFRED 01001 00802 00803

AFAPF 01201 01102 01203

KKK 22233 32223 33322

BT

HFXS 3 BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 059B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 28 FEB 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
28/1200Z TO 28/2100Z: SOLAR ACTIVITY WAS AT LOW LEVELS DURING
THIS PERIOD. THE ONLY SIGNIFICANT FLARE WAS A C5/1B EVENT AT
2045Z FROM REGION 3628 (N17E30). REGION 3629 (S21E53) HAS
GROWN TO AN AREA OF ABOUT 1200 MILLIONTHS, BUT IT IS STILL NOT
TOO COMPLEX MAGNETICALLY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
CONTINUE AT LOW TO MODERATE LEVELS. REGIONS 3628 AND 3629 ARE
MOST LIKELY TO PRODUCE ANY M-CLASS ACTIVITY.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD WAS
AT QUIET TO UNSETTLED LEVELS TODAY. NO CHANGE IS FORECAST.

III. EVENT PROBABILITIES 01 MAR-03 MAR

CLASS M 70/70/70

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 FEB 228

PREDICTED 01 MAR-03 MAR 235/240/245

90 DAY MEAN 28 FEB 200

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 27 FEB 010/011

ESTIMATED AFR/AP 28 FEB 006/008

PREDICTED AFR/AP 01 MAR-03 MAR 010/012-008/011-008/012

SOLTERWARN

BT

HXUS BOU 282200

PREDM 07001 07002 07003

PREDX 00101 00102 00103

PREDP 00101 00102 00103

PCAFI 00101

TENCM 23501 24002 24503

AFRED 01001 00802 00803

AFAPF 01201 01102 01203

BT