

HFUS 1 BOU 271300 UNASSI
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 027A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 1300Z 27 JAN 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
26/1200Z TO 27/1200Z: SOLAR ACTIVITY HAS CONTINUED AT A LOW
LEVEL THIS PERIOD. THE LARGEST EVENT WAS A C6, NO OPTICAL, AT
27/0524UT. REGION 3576 (S14E66) AND 3577 (S13E24) HAVE PRODUCED
MOST OF THE EVENTS DURING THE PAST 24 HOURS. REGION 3576 HAS
SHOWN SOME GROWTH, ALL OTHER REGIONS ARE APPARENTLY STABLE.
SURGING ON THE EAST LIMB INDICATES THAT SOME MORE, PROBABLY
SMALL, ACTIVE REGIONS ARE DUE TO ROTATE INTO VIEW IN THE NEXT
24-36 HOURS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
LOW. REGIONS 3573 AND 3576, IF RAPID CHANGE OCCURS, COULD
PRODUCE AN ISOLATED M-CLASS EVENT.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN QUIET TO SLIGHTLY UNSETTLED THIS PERIOD. THE GEOMAGNETIC
FIELD IS EXPECTED TO REMAIN QUIET TO UNSETTLED DURING THIS
FORECAST.

III. EVENT PROBABILITIES 28 JAN-30 JAN

CLASS M 15/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 JAN 192

ESTIMATED 27 JAN 202

PREDICTED 28 JAN-30 JAN 205/205/200

90 DAY MEAN 26 JAN 195

V. GEOMAGNETIC A INDICES

OBSERVED AFR 25 JAN 008 AP 26 JAN 006

ESTIMATED AFR 26 JAN 006 AFR/AP 27 JAN 008/010

PREDICTED AFR/AP 28 JAN-30 JAN 008/010-012/012-012/012

SOLTERWARN

BT

HXUS BOU 271300

PREDM 01528 01529 01530

PREDX 00128 00129 00130

PREDP 00128 00129 00130

PCAFT 00128

TENCM 20528 20529 20030

AFRED 00828 01229 01230

AFAPF 01028 01229 01230

KKK 22232 22222 23332

BT

HFUS 3 BOU 272200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 027B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 27 JAN 1982

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
27/1200Z TO 27/2100Z: SOLAR ACTIVITY REMAINS LOW WITH ONLY LOW
LEVEL CLASS C X-RAY BURSTS OCCURRING. NEARLY ALL OPTICAL
FLARES HAVE OCCURRED IN REGIONS 3576 (S13E60) AND 3577
(S13E19). REGION 3577 HAS GROWN RAPIDLY AND IT APPEARS THAT
THIS GROWTH WILL CONTINUE THROUGH THE NEXT 24 HOURS. REGION
3573 (N10E45) HAS A TECHNICAL DELTA; IE, ONE POLARITY SPOT IS
ATTACHED TO THE MAIN PENUMBRA BY A SMALL APPENDAGE. SURGING IS
REPORTED NEAR NE18 AND SE 16.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
LOW.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN UNSETTLED AND THESE CONDITIONS ARE EXPECTED TO PERSIST
THROUGH THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 28 JAN-30 JAN

CLASS M 15/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 JAN 203

PREDICTED 28 JAN-30 JAN 214/205/200

90 DAY MEAN 27 JAN 195

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 26 JAN 007/006

ESTIMATED AFR/AP 27 JAN 010/010

PREDICTED AFR/AP 28 JAN-30 JAN 008/010-012/012-012/012

SOLTERWARN

BT

HXUS BOU 272200

PREDM 01528 01529 01530

PREDX 00128 00129 00130

PREDP 00128 00129 00130

PCAFT 00128

TENCM 21428 20529 20030

AFRED 00828 01229 01230

AFAPF 01028 01229 01230

BT