

HFUS 3 BOU 270600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 027A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 27 JAN 1978

IA. SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 8 HOURS. REGION 988
(S27E78) HAS PRODUCED SEVERAL SUBFAINT FLARES AND CONTINUES TO
SHOW GROWTH. REGION 986 (N19W04) HAS PRODUCED A SUBFAINT AND A SUB-
NORMAL FLARE BUT OTHERWISE APPEARS STABLE. THE REST OF THE DISK/
LIMB IS LITTLE CHANGED.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 8 HOURS.
GENERALLY UNSETTLED CONDITIONS ARE EXPECTED FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 27-29 JAN 1978

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 116

PREDICTED 27 - 29 JAN 118/119/119

90-DAY MEAN 26 JAN 100

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 JAN 12

ESTIMATED AFR/AP 26 JAN 10/12

PREDICTED AFR/AP 27-29 JAN 08/08 - 08/08 - 10/10

SOLTERWARN

BT

HFUS 3 BOU 271500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 027-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 27 JAN 1978

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 8 HOURS. REGION 986
(N18W10) APPEARS RELATIVELY STABLE BUT CONTINUES TO PRODUCE SMALL
FLARES. REGION 988 (S30E70) CONTINUES AS A DYNAMIC REGION AND IS NOW
AN E-TYPE GROUP. A POSSIBLE DELTA CONFIGURATION WAS REPORTED IN
THIS REGION BY CULGOORA. A TOTAL OF 13 C-CLASS EVENTS RANGING UP
TO C-9 HAVE BEEN RECORDED SINCE 0000Z.

NEW REGION 989 (N39E12) IS NOW A C TYPE WITH RUDIMENTARY PENUMBRA.
IT APPEARS GENERALLY STABLE AT THIS TIME.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW POSSIBLY INCREASING
TO MODERATE THROUGH THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET THE PAST 8 HOURS. QUIET
TO UNSETTLED CONDITIONS ARE EXPECTED THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 27 - 29 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 116

PREDICTED 27 - 29 JAN 118/119/119

90-DAY MEAN 26 JAN 100

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 JAN 12

ESTIMATED AFR/AP 26 JAN 10/12

PREDICTED AFR/AP 27 - 29 JAN 08/08 - 08/08 - 10/10

SOLTERWARN

BT

HFUS 1 BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 027

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 27 JAN 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. NEARLY CONTINUOUS CLASS C
X-RAY BURST HAVE BEEN THE PRIMARY SOURCE REGIONS OF THE SUB-FLARES.
AT LEAST ONE SUB-BRILLIANT FLARE WAS OBSERVED FROM 990 AT 27/1837Z.
GROWTH IN BOTH SIZE AND COMPLEXITY OF 988 AND 990 HAS BEEN OBSERVED.
A NEW (AND YET UNNUMBERED) REGION IS PRESENT NEAR NE20 HAS BEEN
SURGING AND MAY BE POTENTIALY ACTIVE. A NEW REGION (989 N40E 07) IS
PRESENT BUT UNIMPRESSIVE.

IB. SOLAR ACTIVITY WILL BE LOW TO MODERATE. REGIONS 988, 990 AND
POSSIBLY THE NE REGION ARE LIKELY SOURCES OF CLASS M X-RAY EVENTS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET THE PAST 24 HOURS. THE
FIELD SHOULD BE QUIET TO SLIGHTLY UNSETTLED THRU THE PERIOD.

III. EVENT PROBABILITIES 28 - 30 JAN

CLASS M 60/70/70

CLASS X 15/20/20

PROTON 05/10/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 JAN 120

PREDICTED 28 - 30 JAN 130/135/138

90-DAY MEAN 27 JAN 101

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 26 JAN 09

ESTIMATED AFR/AP 27 JAN 03/03

PREDICTED AFR/AP 28 - 30 JAN 07/07 - 08/10 - 10/10

SOLTERWARM

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