

HFUS 3 BOU 040530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 004A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 04 JANUARY 1978

IA. REGION 001 SENT BY BOULDER ON SPOT REPORT AT 03/2125Z IS
REGION 0977. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST EIGHT
HOURS. SEVERAL SMALL X-RAY EVENTS HAVE BEEN OBSERVED. NO
FLARES HAVE BEEN OBSERVED.

IB. SOLAR ACTIVITY IS EXPECTED TO BE AT A MODERATE LEVEL DURING
THE FORECAST PERIOD.

II. A GEOMAGNETIC STORM STARTED WITH SUDDEN COMMENCEMENT AT
03/2050Z WITH A K-6 AT 04/0300Z. THE DISTURBANCE WILL LAST FOR
ABOUT 24 HOURS.

III. EVENT PROBABILITIES 04 JANUARY - 06 JANUARY

CLASS M 90/90/90

CLASS X 20/20/20

PROTON 20/20/20

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 JANUARY 135

PREDICTED 04-06 JANUARY 134/132/128

90-DAY MEAN 03 JANUARY 99

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 02 JANUARY 07

ESTIMATED AFR/AP 03 JANUARY 09/11

PREDICTED AFR/AP 04-06 JANUARY 40/40 - 20/20 - 07/07

SOLTERWARN

BT

HFUS 3 BOU 041500.

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 004B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 04 JANUARY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST EIGHT HOURS. MINOR X-RAY
BURSTS HAVE BEEN RECORDED BUT NO OPTICAL FLARES HAVE BEEN REPORTED DUE
TO POOR SEEING. POSSIBLE DECAY REPORTED IN REGION 970 (S17W06) TO
TRAILER SPOTS.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW TO MODERATE.

II. THE GEOMAGNETIC FIELD HAS BEEN AT MAJOR STORM LEVELS FOR THE
PAST 12 HOURS. THE FIELD IS EXPECTED TO TREND TOWARD LESS ACTIVE
CONDITIONS THRU THE PERIOD.

III. EVENT PROBABILITIES 04 JANUARY - 06 JANUARY

CLASS M 90/90/90

CLASS X 20/20/20

PROTON 20/20/20

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 JANUARY 135

PREDICTED 04-06 JANUARY 134/132/128

90-DAY MEAN 03 JANUARY 99

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 02 JANUARY 07

ESTIMATED AFR/AP 03 JANUARY 10/11

ESTIMATED AFR/AP 04-06 JANUARY 70/80 - 30/40 - 15/20

SOLTERWARN

HFUS 1 BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 004

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200 Z 04 JANUARY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. ELEVEN ACTIVE REGIONS ARE PRESENT
ON THE DISK WITH 969 (N20W68) BEING THE MOST SIGNIFICANT. ONLY
SUBFLARES AND MINOR X-RAY BURSTS HAVE BEEN OBSERVED. REGIONS ARE
FOR THE MOST PART STABLE.

IB. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE. NO OLD ACTIVE REGIONS
ARE DUE TO RETURN.

II. THE GEOMAGNETIC FIELD HAS BEEN AT MAJOR STORM LEVELS FOR THE
PAST 24 HOURS. THE DISTURBANCE IS THOUGHT TO BE FLARE INDUCED WITH
MULTIPLE EVENTS SUPERIMPOSED ON ONE ANOTHER. THE FIELD SHOULD
REMAIN AT MAJOR TO MINOR STORM CONDITIONS THRU THE FIRST DAY
FOLLOWED BY ACTIVE CONDITIONS FOR THE REMAINDER OF THE PERIOD.

III. EVENT PROBABILITIES 05 JANUARY - 07 JANUARY

CLASS M 80/70/50

CLASS X 20/15/10

PROTON 20/15/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 JANUARY 129

PREDICTED 05-07 JANUARY 126/124/118

90-DAY MEAN 04 JANUARY 100

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 JANUARY 11

ESTIMATED AFR/AP 04 JANUARY 70/95

PREDICTED AFR/AP 05-07 JANUARY 40/50 - 25/35 - 20/30

SOLTERWARN

BT