

HFUS 3 BOU 020530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 002A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 02 JANUARY 1978

IA. SOLAR ACTIVITY HAS BEEN MODERATE THE PAST EIGHT HOURS. REGION
967 (S18E01) PRODUCED AN M-3 X-RAY FLARE (1 BRIGHT) AT 01/2157Z
ACCOMPANIED BY A VERY LARGE TYPE II RF EVENT. THE BACKGROUND X-RAY
LEVEL IS CONTINUING TO RUN AT CLASS C LEVELS.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN MODERATE THE NEXT 8 HOURS
WITH REGIONS 967 AND 970 (S18E29) PRODUCING MUCH OF THE ACTIVITY.
M CLASS EVENTS CAN BE EXPECTED.

II. GEOMAGNETIC FIELD HAS BEEN QUIET THIS PERIOD AND IS EXPECTED
TO REMAIN QUIET FOR THE NEXT 8 HOURS. IN APPROXIMATELY 40 HOURS
INCREASED ACTIVITY MAY OCCUR DUE TO THE FLARES.

III. EVENT PROBABILITIES 02 JANUARY - 04 JANUARY

CLASS M 95/95/95

CLASS X 20/20/20

PROTON 20/20/20

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 JANUARY 133

PREDICTED 02-04 JANUARY 139/139/139

90-DAY MEAN 01 JANUARY 99

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 31 DECEMBER 06

ESTIMATED AFR/AP 01 JANUARY 05/05

PREDICTED AFR/AP 02-04 JANUARY 06/06 - 06/06 - 10/10

SOLTERWARN

BT

HFUS 3 BOU 021500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 002B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 02 JANUARY 1978.

IA. SOLAR ACTIVITY HAS BEEN VERY LOW SO FAR THIS SOLAR DAY. HOWEVER,
SMALL SUBFLARES CONTINUED TO BE REPORTED AND THE COMPLEXITY OF
THE VISIBLE REGIONS REMAINED UNABATED. TWO NEW REGIONS MAY BE
DEVELOPING NEAR N23E56 AND S24E56.

IB. SOLAR ACTIVITY SHOULD RETURN TO A MODERATE LEVEL LATER TODAY.

II. THE GEOMAGNETIC FIELD IS QUIET. QUIET TO SLIGHTLY UNSETTLED
CONDITIONS SHOULD CONTINUE FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 02 JANUARY - 04 JANUARY

CLASS M 95/95/95

CLASS X 20/20/20

PROTON 20/20/20

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 JANUARY 133

PREDICTED 02-04 JANUARY 139/139/139

90-DAY MEAN 01 JANUARY 99

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 31 DECEMBER 06

ESTIMATED AFR/AP 01 JANUARY 05/05

PREDICTED AFR/AP 02-04 JANUARY 06/06 - 06/06 - 10/10

SOLTERWARN

BT

HFUS 1 BOU 022200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 002

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 02 JANUARY 1978

IA. SOLAR ACTIVITY HAS BEEN VERY LOW SO FAR THIS ZULU DAY. SEVERAL
SMALL FLARES FROM REGIONS 969 (N21W43) AND 970 (S17E13) HAVE BEEN
REPORTED BUT THEIR X-RAY OUTPUT HAS BEEN RESTRICTED TO CLASS "C"
AND SUB "C". BOTH OF THESE REGIONS REMAIN OPTICALLY COMPLEX AND
CAPABLE OF CLASS "M" X-RAY BURSTS. REGIONS 974 (S22E40) AND 975
(N25E51) APPEARED DURING THE PAST 24 HOURS BUT BOTH APPEAR SMALL
AND STABLE.

IB. SOLAR ACTIVITY WILL BE LOW TO MODERATE DURING THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD IS QUIET. QUIET TO OCCASIONALLY UNSETTLED
CONDITIONS ARE EXPECTED FOR THE NEXT 2 OR 3 DAYS.

III. EVENT PROBABILITIES 03 JANUARY - 05 JANUARY

CLASS M 95/95/95

CLASS X 20/20/20

PROTON 20/20/20

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 JANUARY 139

PREDICTED 03-05 JANUARY 143/143/141

90-DAY MEAN 02 JANUARY 99

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 01 JANUARY 05

ESTIMATED AFR/AP 02 JANUARY 05/04

PREDICTED AFR/AP 03-05 JANUARY 06/06 - 10/10 - 10/15

SOLTERWARN

BT