

HFUS 3 BOU 010530

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 001A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 01 JANUARY 1978

IA. SOLAR ACTIVITY REMAINS MODERATE. A IB FLARE WAS OBSERVED AT
2335Z FROM REGION 970 (S17E40) ACCOMPANIED BY AN M2 X-RAY
EVENT. REGIONS 970 AND 969 (N20W19) CONTINUE TO GROW. THE
REMAINDER OF THE DISK AND LIMBS ARE LITTLE CHANGED.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN MODERATE WITH REGIONS
969 AND 970 CAPABLE OF ENERGETIC ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. GENERALLY QUIET TO
SLIGHTLY UNSETTLED CONDITIONS ARE EXPECTED.

III. EVENT PROBABILITIES 01 JANUARY - 03 JANUARY

CLASS M 90/90/90

CLASS X 20/20/20

PROTON 20/20/20

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 DECEMBER 124

PREDICTED 01-03 JANUARY 126/127/127

90-DAY MEAN 31 DECEMBER 98

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 30 DECEMBER 05

ESTIMATED AFR/AP 31 DECEMBER 04/05

PREDICTED AFR/AP 01-03 JANUARY 07/08 - 07/08 - 07/08

SOLTERWARN

BT

HFUS 3 BOU 011500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 001-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 01 JAN 1978

IA. THE MODERATE LEVEL OF SOLAR ACTIVITY IS CONTINUING WITH A
M-1 X-RAY EVENT FROM REGION 970 (S17E38) AT 01/0550Z AND SEVERAL
CLASS C EVENTS FROM 970 AND 967 (S18E13) OVER THE PAST 12 HOURS.
NO FLARE ACTIVITY HAS BEEN REPORTED FROM 969 (N20W23) DURING THIS
PERIOD, HOWEVER, INDICATIONS ARE THAT IT IS STILL GROWING. THE
LARGE PROMINENCE ON THE EL NEAR N25 HAS BEEN REPORTED AS STABLE.

IB. SOLAR ACTIVITY WILL REMAIN AT A MODERATE LEVEL WITH CLASS M
EVENTS EXPECTED FROM REGIONS 970 AND 969. MORE ENERGETIC ACTIVITY
IS POSSIBLE FROM THESE TWO AREAS AND THEY SHOULD BE MONITORED FOR
CHANGES IN COMPLEXITY AND/OR RAPID GROWTH.

II. THE GEOMAGNETIC FIELD IS QUIET AND GENERALLY QUIET CONDITIONS
ARE EXPECTED TO CONTINUE THRU THE FORECAST PERIOD.

III. EVENT PROBABILITIES 01 - 03 JAN

CLASS M 90/90/90

CLASS X 20/20/20

PROTON 20/20/20

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 DECEMBER 124

PREDICTED 01-03 JANUARY 126/127/127

90-DAY MEAN 31 DECEMBER 98

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 30 DECEMBER 05

ESTIMATED AFR/AP 31 DECEMBER 04/05

PREDICTED AFR/AP 01-03 JANUARY 07/08 - 07/08 - 07/08

SOLTERWARN

BT

HFUS 1 BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 001

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 01 JAN 1978

IA. THE SUN CONTINUES TO BE ACTIVE WITH CLASS M EVENTS OCCURRING
DAILY AND THE BACKGROUND X-RAY FLUX IS RUNNING AT CLASS C LEVELS.
X-RAY FLARE ACTIVITY HAS CENTERED IN REGIONS 970 (S17E31) AND 967
(S18E05). HOWEVER, REGION 969 (N21W29) HAS CONTINUED TO GROW AND IS
PRODUCING SMALL FLARES. SPOTS HAVE APPEARED IN REGION 972 (N35E43).
THE REMAINING REGIONS AND THE LIMBS ARE NOW QUIET.

IB. THE MODERATE LEVEL OF SOLAR ACTIVITY WILL CONTINUE THRU THE
FORECAST PERIOD. CLASS M EVENTS ARE EXPECTED FROM REGION 970 AND
AND TO A LESSER EXTENT 969 AND 967. MAJOR FLARE ACTIVITY FROM THESE
REGIONS IS POSSIBLE, BUT ADDITIONAL GROWTH IS PROBABLY NEEDED.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND IS EXPECTED TO REMAIN
SO THRU THE FORECAST PERIOD. INCREASED ACTIVITY AS A RESULT OF
FLARES SHOULD BE EXPECTED.

III. EVENT PROBABILITIES 02 - 04 JAN

CLASS M 95/95/95

CLASS X 20/20/25

PROTON 20/20/30

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 JAN 133

PREDICTED 02 - 04 JAN 139/139/139

90-DAY MEAN 01 JAN 099

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 31 DEC 06

ESTIMATED AFR/AP 01 JAN 05/05

PREDICTED AFR/AP 02 - 04 JAN 06/06 - 06/06 - 05/04

SOLTERWARN

BT