

HFUS 1 BOU 290600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 364A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 29 DECEMBER 1976

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST EIGHT HOURS.
THE LIMBS ARE QUIET. REGION 764 (S20E19) HAS BEEN ACTIVE ALONG THE
NEUTRAL LINE BUT NO FLARES WERE OBSERVED.

IB. SOLAR ACTIVITY WILL CONTINUE AT A VERY LOW LEVEL. REGION 764
STILL HAS THE POTENTIAL FOR CLASS C ACTIVITY AND A CLASS M FLARE
IS ALSO POSSIBLE.

II. A MINOR GEOMAGNETIC DISTURBANCE BEGAN AT 29/0100Z. THE BOULDER
K WAS SIX AT 0212Z. THIS DISTURBANCE WAS NOT PREDICTED BY THIS
STATION. IT IS NOT EXPECTED TO LAST MORE THAN 12 HOURS AND WILL
GRADUALLY DECREASE.

III. EVENT PROBABILITIES 29 DECEMBER - 31 DECEMBER

CLASS M 10/15/20

CLASS X 01/01/01

PROTON 01/01/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 DECEMBER 77

PREDICTED 29-31 DECEMBER 78/79/79

90-DAY MEAN 28 DECEMBER 75

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 DECEMBER 05

ESTIMATED AFR/AP 28 DECEMBER 06/04

PREDICTED AFR/AP 29-31 DECEMBER 20/20 - 06/07 - 10/08

SOLTERWARN

BT

HFUS 1 BOU 291500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 364-B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1500Z 29 DEC 1976

IA. SOLAR ACTIVITY CONTINUES AT A VERY LOW LEVEL. REGION 764
(S20E12) HAS BEEN THE SOURCE OF SEVERAL TYPE III RADIO EVENTS AND
THE ASSOCIATED FILAMENT HAS BEEN ACTIVE. FLARE ACTIVITY HAS
BEEN MINOR.

IB. SOLAR ACTIVITY SHOULD REMAIN AT LOW LEVELS WITH REGION 764
PRODUCING AN OCCASSIONAL C-CLASS X-RAY EVENT. INCREASED FLARE
ACTIVITY SHOULD BE EXPECTED IF NEW GROWTH APPEARS.

II. MINOR GEOMAGNETIC STORM CONDITIONS HAVE BEEN OBSERVED
AT BOULDER FOR THE PAST 12 HOURS. THIS DISTURBANCE IS NOT A RE-
CURRENCE AND IS EXPECTED TO DECLINE OVER THE NEXT TWO DAYS.

III. EVENT PROBABILITIES 29 - 31 DEC

CLASS M 10/15/20

CLASS X 01/01/01

PROTON 01/01/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 DEC 77

PREDICTED 29 - 31 DEC 78/79/79

90-DAY MEAN 28 DEC 75

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 DEC 05

ESTIMATED AFR/AP 28 DEC 06/04

PREDICTED AFR/AP 29 - 31 DEC 35/35 - 20/20 - 15/15

SOLTERWARN

BT

HFUS 1 BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 364

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 29 DECEMBER 1976

IA. SOLAR ACTIVITY REMAINS AT A VERY LOW LEVEL. REGION 764 (S20E12)
HAS BEEN THE SOURCE OF SEVERAL TYPE III RADIO EVENTS AND HAS HAD
AN ACTIVE NEUTRAL LINE FILAMENT DURING THE PAST 24 HOURS. ONLY
MINOR FLARE ACTIVITY HAS BEEN REPORTED WITH SLIGHT X-RAY ENHANCE-
MENTS.

IB. SOLAR ACTIVITY SHOULD REMAIN AT LOW LEVELS. REGION 764 IS
EXPECTED TO PRODUCE INCREASED FLARE ACTIVITY IF NEW GROWTH APPEARS.
AN OCCASIONAL C-CLASS X-RAY EVENT IS POSSIBLE.

II. A MINOR GEOMAGNETIC STORM BEGAN AT 29/0100Z AND STORM
CONDITIONS EXISTED UNTIL 29/2100Z. THE GEOMAGNETIC FIELD IS STILL
ACTIVE BUT ACTIVITY EXPECTED TO GRADUALLY DECREASE OVER THE NEXT
48 HOURS TO PREVIOUS QUIET CONDITIONS.

III. EVENT PROBABILITIES 30 DECEMBER - 01 JANUARY

CLASS M 15/20/20

CLASS X 01/01/01

PROTON 01/02/03

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 DECEMBER 77

PREDICTED 30 DECEMBER - 01 JANUARY 77/77/78

90-DAY MEAN 29 DECEMBER 75

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 28 DECEMBER 07

ESTIMATED AFR/AP 29 DECEMBER 35/37

PREDICTED AFR/AP 30 DECEMBER - 01 JANUARY 20/20 - 15/15 - 10/07

SOLTERWARN

BT