

HFUS 1 BOU 290550

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 363A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 29 DECEMBER 1974

IA. SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 12 HOURS. NO EVENTS HAVE BEEN RECORDED. SLOW GROWTH CONTINUES IN THE SMALL REGION 545 (N15W41). A BRIGHT SMALL NEW REGION HAS APPEARED AT S09E87. OPTICAL OBSERVATIONS HAVE BEEN LIMITED BY POOR WEATHER.

IB. SLIGHT INCREASES IN CLASS-C FLARE ACTIVITY AND RADIO-FLUX VALUES MAY RESULT FROM THE ADDITION OF THE NEW REGION ON THE VISIBLE SOLAR DISK.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETLED. AND IT IS EXPECTED TO CONTINUE QUIET EXCEPT FOR UNSETLED CONDITIONS DURING LOCAL NIGHTTIME HOURS.

III. EVENT PROBABILITIES 29 DECEMBER-31 DECEMBER 1974

CLASS M 15/15/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. NO CHANGE.

V. NO CHANGE.

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HFUS BOU 291445

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 363B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1430Z 29 DEC 1974

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW. MINOR SURGES HAVE
BEEN REPORTED IN THE NEW REGION 0546 (N08E80) AS IT ROTATES INTO
VIEW AND 0539 (N05W83) ROTATING OVER THE WEST LIMB.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW WITH CLASS C FLARES
EXPECTED OCCASIONALLY. REGION 546 IS APPARENTLY A YOUNG GROWING
REGION AND ITS FLARE POTENTIAL IS UNKNOWN AT THE PRESENT TIME.

II. THE GEOMAGNETIC FIELD HAS CONTINUED TO BE QUIET WITH NIGHT-
TIME SUBSTORM ACTIVITY BUT THE INTENSITY OF THE SUBSTORMS
APPEARS TO HAVE DECREASED IN THE PAST 24 HOURS. QUIET DAYTIME
CONDITIONS WITH MODERATE SPORADIC NIGHTTIME SUBSTORMS ARE EXPECTED
THROUGH THE END OF THE YEAR.

III. EVENT PROBABILITIES 29 - 31 DEC

CLASS M 15/15/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 DEC 76

PREDICTED 29 - 31 DEC 75/75/75

90-DAY MEAN 28 DEC 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 DEC 17

ESTIMATED AFR/AP 28 DEC 08/11

PREDICTED AFR/AP 29 - 31 DEC 09/12 - 09/10 - 09/10

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HXUS BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 363

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 29 DEC 1974.

IA. SOLAR ACTIVITY CONTINUES VERY LOW WITH NO FLARES REPORTED
DURING THE LAST 24 HOURS. NEW REGION 546 (S08E69 - INCORRECTLY
REPORTED AS N08 ON THE PREVIOUS FORECAST) CONTAINS A C TYPE SPOT
GROUP AND DOES NOT APPEAR VERY DYNAMIC.

IB. SOLAR ACTIVITY SHOULD CONTINUE VERY LOW THROUGH THE FORECAST
PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED DURING THE LAST
24 HOURS AND SHOULD CONTINUE UNSETTLED FOR THE NEXT 48 HOURS,
BECOMING QUIET BY THE END OF THE PERIOD.

III. EVENT PROBABILITIES 30 DEC - 01 JAN

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 DEC 77

PREDICTED 30 DEC - 01 JAN 77/77/78

90-DAY MEAN 29 DEC 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 28 DEC 08

ESTIMATED AFR/AP 29 DEC 08/10

PREDICTED AFR/AP 30 DEC - 01 JAN 09/10 - 07/08 - 06/07

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