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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 364B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 29 DECEMBER 1972

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 508(N11W77) REMAINS
INACTIVE AS IT APPROACHES WEST LIMB. THE TWO SUBFLARES WHICH HAVE
BEEN REPORTED DURING THE PAST 15 HOURS HAVE OCCURRED IN A RAPIDLY
EMERGING REGION NEAR S16W27. THE SUNSPOT GROUP HAS GROWN TO A
D-TYPE IN THE FIRST 24 HOURS. REGION 496/502 IS DUE BACK 31 DECEMBER
NEAR NE11. OSO-7 MAPS NEAR 28/2200Z SHOW MODERATELY STRONG CORONAL
EMISSION ABOVE THIS LATITUDE INDICATING THIS REGION MAY RETURN
ACTIVE.

IB. NO CLASS M EVENT IS EXPECTED DURING THE FORECAST PERIOD. HOWEVER,
PROBABILITIES ARE TRENDED UPWARD IN ACCORDANCE WITH THE PROBABLE
GROWTH OF THE NEW REGION IN THE SW AND THE RETURNING REGION NEARING
THE NE LIMB.

II. THE GEOMAGNETIC FIELD HAD BEEN VERY QUIET, BECOMING SLIGHTLY
UNSETTLED THIS ZULU DAY. THE FIELD IS EXPECTED TO REMAIN SLIGHTLY
UNSETTLED THE NEXT 24-36 HOURS AND THEN BECOME QUIET.

III. EVENT PROBABILITIES 29 - 31 DEC

CLASS M 10/15/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 DEC 95

PREDICTED 29 - 31 DEC 94/92/94

90-DAY MEAN 28 DEC 110

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 DEC 01

ESTIMATED 28 DEC 02

PREDICTED 29 - 31 DEC 08/07/04

SPAN

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KBOU

HFUS BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 364

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 29 DEC 1972

IA. SOLAR ACTIVITY REMAINS LOW. A NEW REGION - 516 /S17W28/ HAS
APPEARED SINCE YESTERDAY. THE ASSOCIATED SPOT GROUP HAS GROWN
RAPIDLY, BUT ITS MAGNETIC CONFIGURATION IS A SIMPLE BIPOLE.
ACTIVITY FROM THIS REGION HAS BEEN PRIMARILY NON-ENERGETIC SUB-
FLARES, WITH A CLASS C-7 AT 1948Z THE ONLY X-RAY EVENT REPORTED
TODAY. THE ONLY OTHER SPOT GROUP NOW VISIBLE IS ASSOCIATED WITH
REGION 508 /N11W80/ WHICH REMAINS INACTIVE AS IT PASSES OVER
THE LIMB. REGIONS 502 AND 496 ARE DUE TO RETURN AT N11 ON 31 DEC.
ENHANCED CORONAL EMISSION OBSERVED BY OSO-7 AND THE REPORTS
OF A FEW OPTICAL SURGES IN THIS AREA INDICATE RETURNING REGION
502 MAY BE MODERATELY ACTIVE.

IB. CLASS C ACTIVITY CAN BE EXPECTED FROM REGION 516, AND A
SMALL CLASS M IS POSSIBLE. LARGER EVENTS ARE UNLIKELY. A CLASS M
EVENT IS MORE LIKELY LATE IN THE 72 HOUR FORECAST PERIOD WHEN
RETURNING REGION 502 ROTATES ONTO THE DISK.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED. IT IS EXPECTED TO
REMAIN UNSETTLED FOR THE NEXT 24 HOURS, AND THEN BECOME QUIET.

III. EVENT PROBABILITIES 30 DEC -01 JAN

CLASS M 20/25/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 DEC 98

PREDICTED 30 DEC-01 JAN 99/100/100

90-DAY MEAN 29 DEC 110

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 28 DEC 02

ESTIMATED 29 DEC 10

PREDICTED 30 DEC -01 JAN 12/06/04

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