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HFUS 1 BOU 110601

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 346A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 11 DECEMBER 1972

I.A. NO CHANGE.

I.B. NO CHANGE.

II. NO CHANGE.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

SOLTERWARN

SPAN

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HFUS 1 BOU 111255

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 346B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 11 DECEMBER 1972

IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 496 (N12E05) HAS PRODUCED
SIX SUBFLARES SINCE 10/1300Z, NONE HAVING SIGNIFICANT RADIO OR
X-RAY OUTPUT. THE PENUMBRA IS DECLINING, AND ATHENS REPORTS IT
SPLITTING UP. THE DELTA IS WEAK OR ABSENT. OTHER REGIONS ARE
STABLE AND QUIET.

IB. ACTIVITY WILL REMAIN GENERALLY LOW AND CENTERED ON 496. MEDIUM
TO LARGE M-CLASS EVENTS ARE POSSIBLE IF 496 DECLINES RAPIDLY.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET, BUT MAY BECOME UNSETTLED
WITHIN 72 HOURS.

III. EVENT PROBABILITIES 11 DEC - 13 DEC

CLASS M 70/70/70

CLASS X 10/10/10

PROTON 10/09/08

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 DEC 102

PREDICTED 11-13 DEC 105/107/109

90-DAY MEAN 10 DEC 110

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 09 DEC 03

ESTIMATED 10 DEC 01

PREDICTED 11-13 DEC 08/12/10

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HFUS BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 346

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 11 DECEMBER 1972.

IA. REGION 496 /N12E00/ HAS PRODUCED 6 SUBFLARES WITH AN M-1
X-RAY EVENT ASSOCIATED WITH A SUBBRIGHT FLARE AT 11/1725Z. WHILE
THE SPOT AREA HAS APPARENTLY DECLINED SOMEWHAT IN THE LAST 24
HOURS, THE REGION REMAINS MAGNETICALLY COMPLEX WITH A DELTA CON-
FIGURATION IN THE CENTRAL PORTION. DURING THE LAST 6 HOURS,
SEVERAL DARK SURGES HAVE BEEN NOTED EMANATING FROM THE LEADING
PORTIONS OF THIS GROUP. REGION 499 /S18E08/ CONTAINS AN ARCH
FILAMENT SYSTEM AND HAS SHOWN SOME SPOT GROWTH BUT REMAINS STABLE
IN H ALPHA. TWO SMALL NEW REGIONS HAVE DEVELOPED SINCE YESTER-
DAY. REGION 500 /S21E47/ CONTAINS AN ARCH FILAMENT SYSTEM AND HAS
PRODUCED TWO SMALL SUBFLARES DURING THE LAST 7 HOURS. REGION
501 /N20E53/ DEVELOPED IN THE LAST 12 HOURS AND PRODUCED A SMALL
SUBFLARE AT 11/1944Z.

IB. CONTINUED MODERATE ACTIVITY IS LIKELY WITH MOST ACTIVITY FROM
REGION 496. HOWEVER, UNLESS ADDITIONAL GROWTH OCCURS, MAJOR
ACTIVITY IS NOT EXPECTED DURING THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS REMAINED QUIET DURING THE LAST 24
HOURS BUT IS FORECAST TO BECOME UNSETTLED IN THE NEAR FUTURE IN
ASSOCIATION WITH A SECTOR BOUNDARY PASSAGE.

III. EVENT PROBABILITIES 12 DEC - 14 DEC.

CLASS M 70/70/70

CLASS X 10/10/10

PROTON 10/10/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 11 DEC 110

PREDICTED 12 DEC - 14 DEC 113/116/119

90-DAY MEAN 11 DEC 110

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 10 DEC 02

ESTIMATED 11 DEC 02

PREDICTED 12 DEC - 14 DEC 12/10/10

SOLTERWARN

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