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HFUS 1 BOU 120601

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 347A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 12 DECEMBER 1972

IA. NO CHANGE

IB. NO CHANGE

II. NO CHANGE

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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HFUS 1 BOU 121300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 347B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 12 DECEMBER 1972

IA. SUBFLARE ACTIVITY HAS INCREASED IN THE PAST 24 HOURS, BUT
SOLAR ACTIVITY REMAINS LOW. SINCE 11/1300Z REGION 496 (N11W08)
HAS PRODUCED THREE SUBFLARES, INCLUDING AN X-RAY CLASS M-1 EVENT
AT 11/1725Z, REGION 500 (S18E38) HAS PRODUCED THREE SUBFLARES,
AND REGION 501 HAS PRODUCED ONE SUBFLARE. REGION 500 IS THE
BRIGHTEST ON THE DISK AND IS GROWING, BUT IS STILL SIMPLE. REGION
501 CONTINUES TO DEVELOP SLOWLY. 496 IS STILL COMPLEX AND SHOWS
SLIGHT PENUMBRAL GROWTH.

IB. REGION 496 WILL PRODUCE MODERATE M-CLASS FLARES, AND HOLDS
POTENTIAL FOR X-CLASS EVENTS. REGION 500 MAY PRODUCE LOW M-CLASS
SUBFLARES.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET, BUT IT MAY BECOME
UNSETTLED DURING THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 12-14 DEC

CLASS M 70/70/70

CLASS X 10/10/10

PROTON 10/10/10

PCAF GREEN ~~OK ON TAPE~~

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 DEC 110

PREDICTED 12-14 DEC 113/116/119

90-DAY MEAN 11 DEC 110

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 10 DEC 02

ESTIMATED 11 DEC 02

PREDICTED 12-14 DEC 12/10/10

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HFUS BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 347

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 12 DECEMBER 1972.

IA. DURING THE LAST 24 HOURS MOST ACTIVITY HAS BEEN CONFINED TO
REGION 500 /S21E33/ WHICH HAS PRODUCED 5 SUBFLARES. THIS REGION
CONTAINS A STRONG ARCH FILAMENT SYSTEM AND HAS SHOWN RAPID SPOT
GROWTH BUT REMAINS MAGNETICALLY SIMPLE. THE LEADER PORTION OF
REGION 496 HAS SPLIT OFF INTO A SEPARATE BI-POLAR SPOT GROUP,
NUMBER 502 /N12W18/, WHILE THE MAIN PORTION OF 496 /N11W11/
STILL CONTAINS A DELTA CONFIGURATION. THIS COMPLEX HAS REMAINED
STABLE DURING THE LAST 24 HOURS. TWO OTHER SMALL REGIONS ARE
WEAK AND UNIMPRESSIVE. SOME PLAGE IS NOW CROSSING THE LIMB AT
S07, PROBABLY THE REMAINS OF OLD REGION 483. NO OTHER REGIONS
ARE DUE TO RETURN.

IB. CONTINUED SUBFLARE ACTIVITY IS LIKELY FROM REGION 500, POSSIBLY
INCREASING TO SMALL M CLASS EVENTS. REGION 496 STILL HAS THE
POTENTIAL FOR MODERATE SIZED M CLASS EVENTS. AT THIS TIME,
NEITHER AREA APPEARS COMPLEX ENOUGH TO PRODUCE MAJOR ENERGETIC
ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS REMAINED QUIET DURING THE LAST 24
HOURS. AN EXPECTED SECTOR BOUNDARY PASSAGE SHOULD BRING UNSETTLED
CONDITIONS, PRIMARILY DURING THE FIRST PORTION OF THE FORECAST
PERIOD.

III. EVENT PROBABILITIES 13 DEC - 15 DEC.

CLASS M 70/70/70

CLASS X 10/10/10

PROTON 10/10/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 12 DEC 112

PREDICTED 13 DEC - 15 DEC 114/116/118

90-DAY MEAN 12 DEC 111

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 11 DEC 02

ESTIMATED 12 DEC 03

PREDICTED 13 DEC - 15 DEC 012/010/008

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