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HFUS 1 BOU 070601

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 342A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 07 DEC 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 071300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 342B

JOINT AESC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 07 DECEMBER 1972

IA. MINOR SUBFLARE ACTIVITY FROM REGION 496 (N10E58) WAS THE ONLY
ACTIVITY OBSERVED DURING THIS PERIOD. ALL OTHER DISK FEATURES HAVE
BEEN STABLE AND QUIET.

IB. CONTINUED MINOR SUBFLARE ACTIVITY CAN BE EXPECTED FROM REGION
496. REGION 496 DOES NOT APPEAR TO BE A LIKELY SOURCE OF ENERGETIC
ACTIVITY IN THE NEAR FUTURE.

II. THE GEOMAGNETIC FIELD IS IN AN UNSETTLED STATE AT THIS TIME.
CONTINUED UNSETTLED CONDITIONS ARE EXPECTED FOR THE DURATION
OF THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 07 - 09 DEC

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 DEC 80.1

PREDICTED 07 - 09 DEC 80/82/83

90-DAY MEAN 06 DEC 110.6

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 05 DEC 02

ESTIMATED 06 DEC 01

PREDICTED 07 - 09 DEC 08/10/08

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 342

JOINT AESC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 07 DECEMBER 1972.

IA. ACTIVITY HAS BEEN LOW. POOR WEATHER IS HINDERING EXAMINATION
OF THE SUN AT MOST OBSERVATORIES, BUT A CLEARER PICTURE OF REGION
496 /N12E54/ IS UNFOLDING. MAGNETIC OBSERVATIONS SHOW THERE ARE
TWO BIPOLE STRUCTURES ALIGNED LEADER-FOLLOWER-LEADER-FOLLOWER.
THE MIDDLE FOLLOWER-LEADER PAIR ARE IN CLOSE PROXIMITY WHILE
THE H-ALPHA, WHITE LIGHT AND CALCIUM PLAGE CONFIGURATIONS, ALONG
WITH ARCH-FILAMENT STRUCTURES IN BOTH MAGNETIC PAIRS, INDICATE
THEY ARE BOTH YOUNG EMERGING STRUCTURES. IF PEAK FLARE INTEN-
SITIES ARE LIMITED BY THE INTEGRAL MAGNETIC FIELD FLUX IN THE
VICINITY OF THE SO-CALLED COLLIDING SPOTS, THEN THE PRESENT EX-
PECTATION IS FOR FLARES OF NO MORE THAN MODERATE INTENSITY.

IB. SPORADIC FLARES, WITH A COUPLE UP TO MODERATE CLASS M IN-
TENSITY ARE PROBABLE OVER THE NEXT SEVERAL DAYS. CONSIDERABLE
FURTHER GROWTH IS NECESSARY IN THE REGION BEFORE MAJOR FLARES
COULD BE EXPECTED.

II. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY UNSETLED THE PAST
12-15 HOURS AND IS EXPECTED TO REMAIN SO THE NEXT 24-48 HOURS.

III. EVENT PROBABILITIES 08 DEC - 10 DEC.

CLASS M 20/25/25

CLASS X 02/05/05

PROTON 01/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 07 DEC 89.8

PREDICTED 08 DEC - 10 DEC 94/97/99

90-DAY MEAN 07 DEC 110.3

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 06 DEC 02

ESTIMATED 07 DEC 10

PREDICTED 08 DEC - 10 DEC 10/10/08

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