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HFUS 1 BOU 230620

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 328A

JOINT AESC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 23 NOV 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

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 328B

JOINT AESC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 23 NOVEMBER 1972

IA. AT LEAST ONE SUBFLARE HAS OCCURRED IN SIX OF THE SEVEN
SUNSPOT REGIONS ON THE DISK. ONLY ONE HAS BEEN SIGNIFICANT.
A SN (23/0200Z) IN REGION 480 IS TENTATIVELY CLASSED AS AN
M2 X-RAY EVENT. MINOR RADIO BURSTS WERE RECORDED THROUGHOUT
THE RADIO SPECTRA.

IB. SIGNIFICANT GROWTH IS OCCURRING IN BOTH WHITE LIGHT AND
HALPHA IN REGIONS 480/483 (S06 W17) AND 481 (S07 E27). THE
FILAMENT IN REGION 482 (S02 E52) IS REPORTED AS ACTIVE.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED AND IS EXPECTED
TO REMAIN SO, BECOMING ACTIVE 25 NOV WITH THE PASSAGE OF A
SECTOR BOUNDARY.

III. EVENT PROBABILITIES 23 - 25 NOV

CLASS M 40/45/45

CLASS X 05/05/05

PROTON 01/02/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 NOV 115

PREDICTED 23 - 25 NOV 118/124/127

90-DAY MEAN 22 NOV 116.4

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 NOV 11

ESTIMATED 22 NOV 11

PREDICTED 23 - 25 NOV 12/09/25

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HFUS BOU 232225

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 328

JOINT AESC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 23 NOVEMBER 1972.

IA. SOLAR ACTIVITY HAS MODERATED DURING THE PAST 24 HOURS WITH
ABOUT A DOZEN C-CLASS SUBFLARES OBSERVED. REGION 480 /S05W22/
REMAINS MOST INTERESTING ON THE DISK, HAVING PRODUCED A SUBNOR-
MAL FLARE AT 23/0206Z WHICH BARELY REACHED M-CLASS X-RAY LEVELS.
REGION 481 /S07E21/ HAS SHOWN GROWTH IN WHITE LIGHT AND H-ALPHA
AND NEW EMERGING FIELDS ARE INFERRED HERE. A NEW H-TYPE SPOT
APPEARS TO HAVE PASSED ONTO THE DISK AT SE11.

IB. GROWTH WILL CONTINUE IN REGIONS 480 AND 481. MODERATE SUB-
FLARE ACTIVITY WITH AN OCCASIONAL MODERATELY ENERGETIC FLARE ARE
EXPECTED HERE. OTHER REGIONS SHOULD BE RELATIVELY QUIET.

II. THE GEOMAGNETIC FIELD SHOULD BE FAIRLY QUIET UNTIL SOMETIME
ON 25 NOV WHEN A MAGNETIC DISTURBANCE SHOULD ACCOMPANY A SIGNIF-
ICANT INTERPLANETARY SECTOR BOUNDARY PASSAGE.

III. EVENT PROBABILITIES 24 NOV - 26 NOV.

CLASS M 40/40/40

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 23 NOV 120

PREDICTED 24 NOV - 26 NOV 124/124/120

90-DAY MEAN 23 NOV 116.2

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 22 NOV 10

ESTIMATED 23 NOV 09

PREDICTED 24 NOV - 26 NOV 09/25/30

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