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HFUS 1 BOU 250600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 330A

JOINT AESC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 25 NOVEMBER 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 251300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 330B

JOINT AESC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 25 NOVEMBER 1972

IA. A 1B OPTICAL FLARE (25/0819Z) OCCURRED IN REGION 483 (S05W47)
AND IS PRELIMINARILY CLASSED M5. THE RADIO BURST (2700MHZ) WAS
130-150 F.U. ABOVE BACKGROUND WITH MULTIPLE PEAKS. IMP 2 SWF
(10-21 MHZ) UP TO 30 MINUTES ACCOMPANIED THIS EVENT. NO SIGNIFICANT
PARTICLE EVENT IS EXPECTED FROM THIS FLARE.

IB. GROWTH CONTINUES IN REGION 483 AND HAS BEEN INFERRED AS A
DELTA CONFIGURATION. ASSOCIATED ABSORPTION FEATURES ARE REPORTED
AS ACTIVE. OTHER DISK REGIONS ARE SIMPLE MAGNETICALLY. DUE TO
CONTINUED INCREASE IN COMPLEXITY OF REGION 483, THE EVENT
PROBABILITIES ARE INCREASES FROM 24/2200Z MSG.

II. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY UNSETTLED TO QUIET
AND IS EXPECTED TO REMAIN SO UNTIL THE LATTER PART OF 25
NOVEMBER AND THEN BECOME ACTIVE.

III. EVENT PROBABILITIES 25-27 NOV

CLASS M 60/75/75

CLASS X 05/10/10

PROTON 10/15/20

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 NOV 121

PREDICTED 25-27 NOV 121/119/115

90-DAY MEAN 24 NOV 116

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 NOV 08

ESTIMATED 24 NOV 07

PREDICTED 25-27 NOV 16/30/20

SOLTERWARN

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HFUS BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 330

JOINT AESC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 25 NOVEMBER 1972.

IA. REGION 483 /S05W53/ PRODUCED A 1B FLARE TENTATIVELY CLASSED
AS AN M5 X-RAY FLARE AT 0819Z. THIS FLARE WAS ACCOMPANIED BY A
150 FLUX UNIT 2700 MHZ RADIO BURST AND SHORTWAVE FADES ON 9 AND
16 MHZ LASTING NEARLY ONE HOUR. THE FLARE HAD A LONG RISE AND FALL
TIME AND THE REGION REMAINED ENHANCED IN H-ALPHA FOR SEVERAL HOURS.
OTHERWISE, REGIONS 483 AND 481 /S07W07/ HAVE PRODUCED ONLY THREE
C-CLASS SUBFLARES EACH DURING THE PAST 24 HOURS. OTHER REGIONS RE-
MAIN QUIET.

IB. REGION 483 APPEARS TO HAVE DULLED SOMEWHAT IN H-ALPHA AND SIM-
PLIFIED MAGNETICALLY. THOUGH THE E-W NEUTRAL LINE IS STILL PRESENT,
THE REGION NO LONGER CONTAINS A DELTA CONFIGURATION. THIS REGION
WOULD THEN APPEAR TO HAVE DIMINISHING ENERGETIC FLARE POTENTIAL BUT
MUST STILL BE REGARDED WITH CAUTION. OTHER REGIONS DO NOT APPEAR
CAPABLE OF PRODUCING ENERGETIC FLARES.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 24 HOURS.
AN INTERPLANETARY SECTOR BOUNDARY PASSAGE IS EXPECTED MOMENTARILY.
PIONEER 9 DATA INDICATE THE INTERPLANETARY MAGNETIC FIELD IS VERY
DISTURBED IN THE VICINITY OF THE SECTOR BOUNDARY.

III. EVENT PROBABILITIES 26 NOV - 28 NOV.

CLASS M 75/65/55

CLASS X 10/07/05

PROTON 15/20/15

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 25 NOV 116

PREDICTED 26 NOV - 28 NOV 114/113/109

90-DAY MEAN 25 NOV 115.8

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 24 NOV 05

ESTIMATED 25 NOV 06

PREDICTED 26 NOV - 28 NOV 28/32/24

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