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HFUS 1 BOU 281245

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 272B

JOINT AESC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 28 SEPTEMBER 1972

IA. SOLAR ACTIVITY REMAINS LOW WITH ONLY TWO SUBFLARES REPORTED
THIS ZULU DAY. NO IONOSPHERIC EFFECTS WERE REPORTED IN ASSOCIATION
WITH EITHER OF THESE SMALL OPTICAL FLARES. REGION 416 (S04W24)
REMAINS THE ONLY REGION CAPABLE OF ENERGETIC ACTIVITY AND ALTHOUGH
IT DEVELOPED AN ISOLATED POLE IN ITS TRAILER PLAGE YESTERDAY, THIS
REGION IS DECAYING AND THE FIELD GRADIENTS HAVE DECREASED AS EVIDENCED
BY THE LOSS OF THE DELTA CONFIGURATION IN THIS REGION.

IB. CHANCE OF CLASS M ACTIVITY IS DECREASING AS REGION 416 DECAYS.
WHILE A SMALL CLASS M EVENT IS STILL POSSIBLE FROM THIS REGION,
ACTIVITY WILL MOST LIKELY BE CONFINED TO CLASS C EVENTS.

II. THE GEOMAGNETIC FIELD IS QUIET. GENERALLY QUIET WITH SHORT
PERIODS OF MILDLY UNSETTLED CONDITIONS ARE EXPECTED DURING THE
NEXT 24 HOURS.

III. EVENT PROBABILITIES 28-30 SEPT

CLASS M 45/40/35

CLASS X 02/01/01

PROTON 02/01/01

PCFC GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 SEPT 121

PREDICTED 28-30 SEPT 117/113/110

90-DAY MEAN 27 SEPT 121.8

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 26 SEPT 07

ESTIMATED 27 SEPT 06

PREDICTED 28-30 SEPT 07/10/10

SOLTERWARN

BT

52
57
36

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KBOU

HFUS BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 272

JOINT AESC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 28 SEPTEMBER 1972

IA. SOLAR ACTIVITY REMAINS AT A LOW LEVEL WITH ONLY NON-ENERGETIC
SUBFLARES HAVING OCCURRED. REGION 414/416 /S04W35/ CONTINUES
SLOW DECAY. POSSIBILITY EXISTS OF AN ANOMOLOUS SPOT EXISTING SW
OF LEADER OF 416. REGION 422 /S08E22/ CONTINUES SLOW GROWTH.
AN ACTIVE SURGE REGION NEAR NE19 SHOULD MARK THE RETURN OF OLD
REGION 403. OSO MAPS INDICATE ENHANCE CORONA AT THIS POSITION.

IB. PROBABILITY OF CLASS M ACTIVITY FROM DISK REGIONS DECREASES.
REGION 403 LAST ROTATION HAD REVERSED POLARITY. SURGE AND OSO
DATA INDICATE REGION MAY BE MODERATELY ACTIVE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED AND EX-
PECTED TO REMAIN SO UNTIL LATE 29 SEPTEMBER, BECOMING MOD-
ERATELY UNSETTLED.

III. EVENT PROBABILITIES 29 SEP - 01 OCT.

CLASS M 40/45/50

CLASS X 01/01/01

PROTON 01/01/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 28 SEP 116

PREDICTED 29 SEP - 01 OCT 113/108/112

90-DAY MEAN 28 SEP 121.7

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 27 SEP 07

ESTIMATED 28 SEP 05

PREDICTED 29 SEP - 01 OCT 07/13/11

SOLTERWARN

SPAN

BT