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HOUS 2 BOU 170200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
17/0200Z OCT 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOU TAKEN AT
15/1830Z. LOCATIONS VALID AT 17 OCT 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0255 N12W62 047 0020 B 02 02 BETA

0259 S04W50 035 0045 B 05 02 BETA

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 17 OCT 0000Z.

NMBR LOCATION LO

0260 S06W63 049

0261 S12E14 332

II. NONE.

III. NONE

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HFUS 1 BOU 170600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 290A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 17 OCTOBER 1973

IA. SOLAR ACTIVITY REMAINS VERY LOW WITH ONLY SIX C-CLASS
SUBFLARES NOTED DURING THE PAST 24 HOURS.

IB. REGION 255 (N12W65) APPEARS TO BE GROWING SLOWLY. OTHER
REGIONS ARE EVIDENTLY STABLE. SOLAR ACTIVITY IS EXPECTED TO REMAIN
VERY LOW.

II. THE GEOMAGNETIC FIELD BECAME ACTIVE AT 16/0520Z AND HAS
REMAINED ACTIVE THROUGH THE DAY. THE FIELD SHOULD GRADUALLY BECOME
QUIETER THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES NO CHANGE

IV. OTTAWA 10.7 CM FLUX NO CHANGE

V. GEOMAGNETIC A INDICES NO CHANGE

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HFUS 1 BOU 171300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 290B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 17 OCT 1973

IA. REGION 255(N12W64) REMAINS AS THE PRIMARY SOURCE OF SPORADIC
SUBFLARE ACTIVITY. OPTICAL PARAMETERS OF THIS REGION ARE GROWING
SLOWLY AND ITS OTHER DYNAMIC CHARACTERISTICS ARE IN THE FORM OF
ACTIVE FILAMENTS AND POINT BRIGHTENINGS. THE REST OF THE DISK IS
LITTLE CHANGED.

IB. SPORADIC SUBFLARE ACTIVITY SHOULD CONTINUE FOR THE DURATION
OF THE FORECAST PERIOD.

II. THE GEOMAGNETIC DISTURBANCE WHICH BEGAN NEAR 160530 UT SHOULD
SHOW SIGNS OF DIMINISHING LATE ON THIS ZULU DAY. A GRADUAL TREND
TOWARD QUIET CONDITIONS IS EXPECTED TO MARK THE SUBSEQUENT 48
HOUR PERIOD.

III. NO CHANGE

IV. NO CHANGE

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 OCT 06

ESTIMATED 16 OCT PQU

PREDICTED 17-19 OCT 20/14/10

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HFUS BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 290

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 17 OCT 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 255 (N12W75) HAS
CONTINUED TO PRODUCE CLASS C SUBFLARES. A SMALL ARCH-FILAMENT
SYSTEM INDICATES GROWTH IS STILL OCCURRING. THE PLAGE
STRUCTURE REMAINS BRIGHT AND COMPACT. OLD MAGNETIC FIELD
STRUCTURE HAS ROTATED INTO VIEW AT N15 EAST LIMB WHERE SEVERAL
DECAYING ACTIVE REGIONS WERE DUE TO RETURN.

IB. ACTIVITY IS EXPECTED TO REMAIN LOW WITH SUBFLARE ACTIVITY
PROBABLE IN REGION 225. CONSIDERING THE DEVELOPMENT IN THE REGION
AS WELL AS LIMB EFFECTS, THE FLARES HAVE A SMALL BUT INCREASING
CHANCE OF REACHING CLASS M THRESHOLDS.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE. THOUGH A QUIETING TREND
HAS BEEN APPARENT TODAY, UNSETTLED TO ACTIVE CONDITIONS ARE
EXPECTED TO CONTINUE, CULMINATING IN A SMALL RECURRENT STORM ON
20-22 OCT.

III. EVENT PROBABILITIES 18-20 OCT

CLASS M 10/10/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 OCT 80

PREDICTED 18-20 OCT 83/87/89

90-DAY MEAN 17 OCT 91

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 16 OCT 23

ESTIMATED 17 OCT 20

PREDICTED 18-20 OCT 15/12/15

SOLTERWARN

SPAN

BT