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KBOU

HOUS 2 BOU 180200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED
AT 18/0200 OCT 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOU TAKEN AT 17/1630
LOCATIONS VALID AT 18 OCT 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0255 N12W77 049 0070 C 06 04 BETA

0259 S04W64 036 0040 B 06 03 BETA

IA. H-ALPHA PLACES WITHOUT SPOTS.

NONE

II. NONE

III. NONE

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HFUS 1 BOU 180600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 291A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 18 OCT 1973

IA. SOLAR ACTIVITY REMAINS VERY LOW WITH ONLY SIX C-CLASS

SUBFLARES REPORTED DURING THE PAST 24 HOURS.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW.

II. THE GEOMAGNETIC FIELD WAS ACTIVE DURING THE PAST 24 HOURS.

THE FIELD IS CURRENTLY QUIET BUT SHOULD SHOW PERIODS OF ACTIVITY
THROUGH THE FORECAST PERIOD.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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HFUS 1 BOU 181300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 291B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 18 OCTOBER 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW WITH NO FLARES REPORTED THIS
ZULU DAY. LARGE PROMINENCE NEAR NE27 IS SLIGHTLY ACTIVE.

SMALL SURGES ARE OCCURRING NEAR NE05 WITH SLIGHT ENHANCEMENT ON
OSO-7 (EUV) AT THIS POSITION. DISK REGIONS SIMPLE AND DECLINING.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY ACTIVE TO UNSETTLED
AND IS EXPECTED TO REMAIN SO FOR THE FORECAST PERIOD.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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HFUS BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 291

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 18 OCT 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW WITH ONLY MINOR LIMB ACTIVITY
REPORTED AT N12W90 WHERE REGION 255 IS STARTING TO ROTATE FROM VIEW.
NO ACTIVE REGIONS HAVE RETURNED TO EAST LIMB, BUT WHOLE DISK
RADIATION LEVELS HAVE INCREASED AS A RESULT OF THE RETURN OF OLD
MAGNETIC FIELDS.

IB. CONTINUED VERY LOW ACTIVITY IS EXPECTED.

II. THE GEOMAGNETIC FIELD HAS CONTINUED TO BE ACTIVE. ACTIVE PERIODS
MIXED WITH UNSETTLED INTERVALS ARE EXPECTED THROUGH 21 OCTOBER
WITH THE MOST DISTURBANCE ON 20-21 OCTOBER.

III. EVENT PROBABILITIES 19-21 OCT

CLASS M 05/04/03

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 OCT 79

PREDICTED 19-21 OCT 77/78/79

90-DAY MEAN 18 OCT 91

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 17 OCT 22

ESTIMATED 18 OCT 20

PREDICTED 19-21 OCT 20/25/35

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