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KBOU

HOUS 2 BOU 220200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
22/0200Z OCT 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT
21/1630Z. LOCATIONS VALID AT 22 OCT 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0264 S14E80 200 0040 H 01 01 ALPHA

MAGNETIC CLASSIFICATION INFERRED AT BOULDER.

IA. H-ALPHA PLACES WITHOUT SPOTS. LOCATIONS VALID AT 22 OCT 0000Z.

NMBR LOCATION LO

262 N15E28 252

263 N02W37 317

II. NONE.

III. NONE.

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HFUS 1 BOU 220600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 295A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 22 OCTOBER 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST EIGHT HOURS.

REGION 264 (S14E80) HAS DEVELOPED TO A D SPOT GROUP. VERY SMALL
SURGES HAVE BEEN OBSERVED FROM THIS REGION.

IB. NO MAJOR ACTIVITY IS EXPECTED DURING THE NEXT SEVEN HOURS.

II. THE MINOR GEOMAGNETIC STORM CONTINUES. THESE CONDITIONS WILL
CONTINUE FOR THE NEXT 24 HOURS.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

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HFUS 1 BOU 221300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 295B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 22 OCTOBER 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST EIGHT HOURS.

REGION 264 (S14E74) PRODUCED AN X-RAY CLASS C-4 SUBFLARE AT 1121Z.

NEW REGION 265 CONSISTING OF A SMALL H TYPE SPOT AND DIM PLAGE HAS

ROTATED OVER THE LIMB TO N21E80. THE REST OF THE SUN IS QUIET BUT

NONE THE LESS AND NOT INSIGNIFICANTLY PRESENT.

IB. SOLAR ACTIVITY IS EXPECTED TO INCREASE SLIGHTLY OVER THE NEXT 24
HOURS. NO MAJOR ACTIVITY IS EXPECTED.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE AND IS EXPECTED TO CONTINUE
ACTIVE DURING THE NEXT 48 HOURS.

III. EVENT PROBABILITIES 22 OCT - 24 OCT

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 OCT 81

PREDICTED 22 OCT - 24 OCT 83/86/89

90-DAY MEAN 21 OCT 91

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBERG 20 OCT 14

ESTIMATED 21 OCT 27

PREDICTED 22 OCT - 24 OCT 35/30/25

SOLTERWARN

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HFUS 1 BOU 221300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 295

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 22 OCT 1973.

IA. SOLAR ACTIVITY CONTINUES VERY LOW WITH 2 SUBFLARES REPORTED
FROM REGION 264 (S14E66) DURING THE LAST 24 HOURS, THE LARGEST
REACHING A C2 XRAY CLASS. THE REGION CONTAINS A D TYPE SPOT
GROUP WITH AN APPARENTLY SIMPLE BETA CONFIGURATION, BUT LEADER
POLARITY PLAGE HAS BEEN OBSERVED JUST EAST OF THE TRAILER SPOTS.
FREQUENT BRIGHTENINGS HAVE BEEN OBSERVED IN THE COMPACT,
RELATIVELY BRIGHT PLAGE, AND NEAR 1810Z, SEVERAL SMALL DEKAMETRIC
BURSTS WERE OBSERVED.

IB. REGION 264 MAY PRODUCE ONE OR TWO SMALL CLASS M EVENTS
DURING THE NEXT FEW DAYS, BUT UNLESS FURTHER DEVELOPMENT OCCURS,
THE PROBABILITY OF SUCH AN EVENT ON ANY ONE DAY REMAINS RELATIVELY
LOW. NO ACTIVITY IS EXPECTED FROM THE OTHER QUIET REGIONS ON THE
DISK.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE AT TIMES DURING THE LAST
24 HOURS AND IS EXPECTED TO REMAIN ACTIVE, PRIMARILY DURING LOCAL
NIGHT HOURS, FOR THE NEXT 48 HOURS, BECOMING UNSETTLED BY THE
END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 23 OCT -25 OCT

CLASS M 15/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 OCT 86

PREDICTED 23-25 OCT 90/93/96

90-DAY MEAN 22 OCT 91

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 OCT 30

ESTIMATED 22 OCT 20

PREDICTED 23-25 OCT 20/15/10

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