

KBOU

HOUS 2 BOU 210200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
21/0200Z OCT 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT
20/1600Z. LOCATIONS VALID AT 21 OCT 0000Z.

NO SPOTS VISIBLE.

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 21/0000Z.

NMBR LOCATION LO COMMENT

0262 N17E59 249 OLD REGION 193

0263 N02W21 313 SMALL BIPOLAR PLAGE

II. NONE.

III. NONE.

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HFUS 1 BOU 210600
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 294A
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 21 OCTOBER 1973
IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST EIGHT HOURS.
SMALL SURGES HAVE BEEN OBSERVED AT S14EL. NO SPOTS ARE VISIBLE ON
THE DISK..
IB. NO MAJOR ACTIVITY IS EXPECTED DURING THE NEXT SEVEN HOURS.
II. THE GEOMAGNETIC FIELD BECAME DISTURBED AT ABOUT 21/0128Z AND A
MINOR STORM IS IN PROGRESS.
III. NO CHANGE
IV. NO CHANGE
V. NO CHANGE
SOLTERWARN
SPAN
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HFUS 1 BOU 211300

FROM SPACE ENVIRONMENTAL SERVICES CENTER BOULDER COLO

SDF NUMBER 294B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 21 OCTOBER 1973

IA. SOLAR ACTIVITY CONTINUES TO BE AT A VERY LOW LEVEL WITH ONLY ONE SPOT ON THE DISK AND NO SUBFLARES SINCE 17 OCTOBER. NEW REGION 264 ROTATING ONTO THE DISK AT S14 HAS SHOWN MINOR SURGING AND CONTAINS AT LEAST ONE SPOT.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW WITH A SLIGHT INCREASE LIKELY AS REGION 264 ROTATES FURTHER ON TO THE DISK.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE DURING THE PAST 12 HOURS AND IS EXPECTED TO CONTINUE ACTIVE DURING THE NEXT 48 HOURS.

III. EVENT PROBABILITIES 21 OCT - 23 OCT

CLASS M 03/04/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 OCT 78

PREDICTED 21 OCT - 23 OCT 80/83/86

90-DAY MEAN 20 OCT 91

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 19 OCT 18

ESTIMATED 20 OCT 13

PREDICTED 21 OCT - 23 OCT 28/35/30

SOLTERWARN

SPAN

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HFUS 1 BOU 211300

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HFUS BOU 212200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 294
JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 21 OCT 1973

IA. SOLAR ACTIVITY CONTINUES VERY LOW WITH NO FLARES REPORTED DURING THE LAST 24 HOURS. REGION 264 (S14E81) CONTAINS A SINGLE, TYPE H SPOT WITH PLAGE EXTENDING TO THE EAST LIMB. THIS REGION CONTAINS A BRIGHT, COMPACT PLAGE WHICH HAS SHOWN FREQUENT BRIGHTENINGS. THE REST OF THE DISK REMAINS QUIET AND STABLE.

IB. REGION 264 APPEARS CAPABLE OF PRODUCING OCCASIONAL SUBFLARES, BUT ENERGETIC ACTIVITY DOES NOT APPEAR LIKELY AT THIS TIME.

II. THE GEOMAGNETIC FIELD HAS BECOME ACTIVE, AND MINOR STORM CONDITIONS ARE EXPECTED DURING THE FIRST HALF OF THE FORECAST PERIOD, GRADUALLY RETURNING TO ACTIVE CONDITIONS BY THE END OF THE PERIOD.

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 22-24 OCT 83/86/89
90-DAY MEAN 21 OCT 91

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 20 OCT 14
ESTIMATED 21 OCT 27
PREDICTED 22 OCT - 24 OCT 35/30/25
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