

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
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0262	N17E59	249	OLD REGION 193
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0263	N02W21	313	SMALL BIPOLAR PLAGE
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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

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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

BT

HFUS 1 BOU 211300

FROM SPACE ENVIRONMENTAL SERVICES CENTER BOULDER COLO

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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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