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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 PLAGES 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.

SOLTERWARN

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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 FREDERICKSBURG 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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SOLTERWARM

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HFUS BOU 222200  
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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