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KBOU

HOUS 2 BOU 290200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
29/0200Z OCT 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT
28/1640Z. LOCATIONS VALID AT 29 OCT 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0264 S13W12 199 0470 D 07 63 BETA GAMMA

0265 N22W03 190 0010 A 00 02 ALPHA

0266 N12E21 166 0060 H 02 02 ALPHA

0267 N16E33 154 0070 H 02 08 ALPHA

0268 S10E02 185 0010 B 01 04 BETA

0269 N03E74 113 0010 B 00 03 BETA

MAGNETIC CLASSIFICATIONS INFERRED AT BOULDER.

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 29 OCT 0000Z.

NMBR LOCATION LO

0262 N16W72 259

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGH IMP BEGIN MAX END CLASS

264 IN 28/0851Z 0855Z 0921Z M-1

III. AREAS OF SPECIAL INTEREST-

REGION 264

SOLTERWARN

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HFUS 1 BOU 290600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 302A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 29 OCTOBER 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS. ALL
REGIONS APPEAR STABLE AND QUIET.

IB. NO MAJOR SOLAR ACTIVITY IS EXPECTED.

II. A MINOR GEOMAGNETIC STORM STARTED GRADUALLY 29/0030Z.

III. NO CHANGE.

IV. NO CHANGE.

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 OCTOBER 03

ESTIMATED 28 OCTOBER 13

PREDICTED 29 OCTOBER-31 OCTOBER 30/20/15

SOLTERWARN

SPAN

BT

HFUS 1 BOU 291300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 302B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 29 OCTOBER 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS. REGION
267 (N16E26) HAS SHOWN SPOT GROWTH. REGION 264 (S13W18) HAS SHOWN
FLARE INTENSITY FLUCTUATIONS. ALL OTHER REGIONS HAVE BEEN STABLE AND
QUIET.

IB. NO MAJOR SOLAR ACTIVITY IS EXPECTED.

II. A MINOR RECURRENT GEOMAGNETIC STORM STARTED GRADUALLY AT 29/0030Z
AND CONTINUES AT PRESENT. THE GEOMAGNETIC FIELD IS EXPECTED TO
CONTINUE ACTIVE DURING LOCAL NIGHT FOR THE NEXT 24 HOURS AND THEN
DECLINE.

III. EVENT PROBABILITIES 29 OCT - 31 OCT

CLASS M 45/45/40

CLASS X 05/05/03

PROTON 02/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 OCT 102

PREDICTED 29 OCT - 31 OCT 101/100/98

90-DAY MEAN 28 OCT 92

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 OCT 03

ESTIMATED 28 OCT 13

PREDICTED 29 OCT - 31 OCT 30/20/15

SOLTERWARN

SPAN

BT

HFUS BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 302

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 29 OCT 1973

IA. SOLAR ACTIVITY HAS DECREASED DURING THE LAST 24 HOURS WITH ONLY A FEW NON-ENERGETIC SUBFLARES REPORTED. REGION 264 (S13W25) PRODUCED TWO OF THESE SUBFLARES. SOME ADDITIONAL SPOT DECAY HAS OCCURRED, BUT MT. WILSON OBSERVES A WEAK DELTA MAGNETIC CONFIGURATION, AND THE REGION STILL APPEARS CAPABLE OF PRODUCING ENERGETIC ACTIVITY. REGIONS 267 (N16E21) AND 270 (N20E26) BOTH PRODUCED A SUBFLARE IN THE LAST 6 HOURS. BOTH REGIONS CONTAIN SIMPLE ALPHA SPOT GROUPS AND DO NOT YET APPEAR CAPABLE OF PRODUCING ENERGETIC ACTIVITY UNLESS FURTHER DEVELOPMENT OCCURS.

IB. THERE IS STILL A GOOD CHANCE OF ONE OR TWO SMALL M CLASS EVENTS FROM REGION 264 DURING THE FORECAST PERIOD.

II. A MINOR GEOMAGNETIC STORM HAS BEEN IN PROGRESS SINCE 29/00Z AND IS EXPECTED TO CONTINUE FOR THE NEXT 24 HOURS, ALTHOUGH THE AMPLITUDE OF THE DISTURBANCES SHOULD DECREASE SLIGHTLY. THE GEOMAGNETIC FIELD SHOULD BECOME QUIETER BY THE END OF THE PERIOD WITH UNSETTLED CONDITIONS EXPECTED DURING THE LAST 24 HOURS.

III. EVENT PROBABILITIES 30 OCT - 01 NOV

CLASS M 45/40/40

CLASS X 05/03/03

PROTON 02/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 OCT 101

PREDICTED 30 OCT - 01 NOV 99/97/94

90-DAY MEAN 29 OCT 92

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 28 OCT 15

ESTIMATED 29 OCT 43

PREDICTED 30 OCT - 01 NOV 30/20/12

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HFUS BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 302

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