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KBOU

HOUS 2 BOU 280200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
28/0200Z OCT 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT
27/1630 U.T. LOCATIONS VALID AT 28 OCT 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0264 S13W01 201 0540 D 07 40 BETA DELTA

0265 N22E09 191 0010 A 01 05 ALPHA

0266 N11E33 167 0050 H 02 01 ALPHA

0267 N16E46 154 0070 H 02 03 ALPHA

0268 S10E15 185 0010 A 01 03 ALPHA

MAGNETIC CLASSIFICATIONS FROM MT. WILSON.

IA. NONE.

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGH IMP BEGIN MAX END CLASS

267 2N 27/1543Z 1635Z 1851Z M3-S

III. AREAS OF SPECIAL INTEREST-

RGH 264

SOLTERWARN

SPAN

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KBOU
HFUS 1 BOU 280600
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 301A
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 28 OCTOBER 1973
IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS. NO
FLARES HAVE BEEN OBSERVED AND ALL REGIONS APPEAR STABLE AND QUIET.
IB. NO MAJOR ACTIVITY IS EXPECTED DURING THE NEXT 7 HOURS.
II. THE GEOMAGNETIC FIELD HAS BEEN VERY QUIET DURING THE PAST 8 HOURS.
III. NO CHANGE
IV. NO CHANGE
V. NO CHANGE
SOLTERWARN
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HFUS 1 BOU 281300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 301B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 28 OCTOBER 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS. REGION
264 (S13W08) PRODUCED A SUBNORMAL PARALLEL RIBBON FLARE AT 0855Z.
OTHERWISE ALL REGIONS HAVE BEEN STABLE AND QUIET. MINOR SURGING HAS
BEEN REPORTED ON THE EAST LIMB AT N10.

IB. NO MAJOR ACTIVITY IS EXPECTED DURING THE NEXT 8 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND QUIET TO UNSETTLED
CONDITIONS ARE EXPECTED DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 28 OCT - 30 OCT

CLASS M 25/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 OCT 102

PREDICTED 28 OCT - 30 OCT 101/100/97

90-DAY MEAN 27 OCT 92

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 26 OCT 03

ESTIMATED 27 OCT 04

PREDICTED 28 OCT - 30 OCT 08/12/10

SOLTERWARN

SPAN

BT

HFUS BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 301

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 28 OCT 1973.

IA. A SMALL IN FLARE FROM REGION 264 (S13W11) AT 28/0855Z REACHED
AN M1 X-RAY CLASS. AT 28/0948Z, AN 85 FLUX UNIT RADIO BURST WAS
OBSERVED AT 2695 MHZ ACCOMPANIED BY A C3 X-RAY EVENT. NO
OBSERVATORY WAS SEEING AT THE TIME, BUT AT 1004Z, CARNARVON
BRIEFLY GLIMPSED A FLARE OF UNKNOWN SIZE IN REGION 264. SINCE THEN,
ONLY ONE SUBFLARE HAS BEEN OBSERVED FROM THIS REGION, BUT THE
PLAGE REAMINS BRIGHT. SPOT DECAY HAS BEEN OBSERVED, ESPECIALLY
IN THE INTERMEDIATE SPOTS, AND THE REGION NOW HAS A BETA GAMMA
MAGNETIC CLASSIFICATION. REGION 267 (N16E34) HAS REMAINED
RELATIVELY QUIET SINCE YESTERDAY'S FLARE WITH ONLY ONE SUB-
NORMAL FLARE OBSERVED DURING THE LAST 24 HOURS. A NOISE
STORM HAS BEEN IN PROGRESS AT 245 MHZ SINCE LOCAL SUNRISE.

IB. DESPITE SOME DECLINE IN THE COMPLEXITY OF REGION 264, THERE IS
A GOOD CHANCE OF ONE OR TWO ADDITIONAL SMALL M CLASS EVENTS FROM
THIS REGION.

II. THE GEOMAGNETIC FIELD HAS BECOME UNSETTLED DURING THE LAST 24
HOURS, AND UNSETTLED TO ACTIVE CONDITIONS ARE EXPECTED DURING THE
NEXT 48 HOURS, BECOMING ACTIVE NEAR THE END OF THE FORECAST
PERIOD DUE TO A RECURRENT DISTURBANCE.

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 29-31 OCT 101/100/98

90-DAY MEAN 28 OCT 92

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 OCT 03

ESTIMATED 28 OCT 13

PREDICTED 29-31 OCT 15/15/20

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