

NNNN

KBOU

HOUS 2 BOU 270200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
27/0200Z OCT 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT
1845 U.T. LOCATIONS VALID AT 27 OCT 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0262 N15W37 250 0010 A 01 01 ALPHA

0264 S13E13 200 0470 D 08 25 BETA GAMMA DELTA

0265 N21E22 191 0010 A 01 01 ALPHA

0266 N11E46 167 0050 H 01 01 ALPHA

0267 N16E59 154 0080 H 02 02 ALPHA

MAGNETIC CLASSIFICATIONS INFERRED AT BOULDER.

IA. NONE.

II. NONE.

III. NONE.

SOLTERWARN

SPAN

BT

NNNN

KBOU

HFUS 1 BOU 270600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 300A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 27 OCTOBER 1973

IA. SOLAR ACTIVITY IS LOW. NO FLARES HAVE BEEN OBSERVED DURING THE
PAST 8 HOURS. RGN 264 (S14E14) HAS SHOWN SIGNIFICANT GROWTH BUT HAS
PRODUCED ONLY MINOR ACTIVITY. OTHER REGIONS ARE QUIET AND STABLE.

IB. NO MAJOR ACTIVITY IS EXPECTED.

II. THE GEOMAGNETIC FIELD HAS BEEN VERY QUIET.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

SOLTERWARN

SPAN

BT

HFUS 1 BOU 271300
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 300B
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 27 OCTOBER 1973.

IA. SOLAR ACTIVITY REMAINS LOW. REGION 264 (S13E07) PRODUCED
AN X-RAY CLASS C2 SUBNORMAL FLARE AT 0504Z WITH AN ASSOCIATED SMALL
CENTIMETRIC RADIO BURST. REGION 267 (N15E54) IS GROWING AND HAS
DEVELOPED NEW SUNSPOTS.

IB. ACTIVITY IS EXPECTED TO REMAIN LOW BUT REGION 264 APPEARS
CAPABLE OF AN ENERGETIC FLARE.

II. THE GEOMAGNETIC FIELD HAS CONTINUED TO BE QUIET. QUIET
CONDITIONS SHOULD PERSIST UNTIL 29 OCTOBER WHEN THE FIELD IS
EXPECTED TO BECOME UNSETTLED TO SLIGHTLY ACTIVE.

III. EVENT PROBABILITIES 27-29 OCT

CLASS M 25/25/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 OCT 102

PREDICTED 27-29 OCT 103/103/102

90-DAY MEAN 26 OCT 92

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 OCT 05

ESTIMATED 26 OCT 03

PREDICTED 27-29 OCT 04/08/12

SOLTERWARN

SPAN

BT

NNNN

KBOU

HFUS 1 BOU 272300

FROMOSPACE ENVIRONMENT SERVICES CENTER BOULDE

SDF NUMBER 300B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1300Z 27 OCTOBER 1973

IA. SOLAR ACTIVITY REMAINS LOW. REGION 264 (S13E07) PRODUCED AN X-RAY CLASS C2 SUBNORMAL FLARE AT 0504Z WITH AN ASSOCIATED SMALL CENTIMETRIC RADIO BURST. REGION 267 (N15E54) IS GROWING AND HAS DEVELOPED NEW SUNSPOTS.

IB. ACTIVITY IS EXPECTED TO REMAIN LOW BUT REGION 264 APPEARS CAPABLE OF AN ENERGETIC FLARE.

II. THE GEOMAGNETIC FIELD HAS CONTINUED TO BE QUIET. QUIET CONDITIONS SHOULD PERSIST UNTIL 29 OCTOBER WHEN THE FIELD IS EXPECTED TO BECOME UNSETLED TO SLIGHTLY ACTIVE.

III. EVENT PROBABILITIES 27-29 OCT

CLASS M 25/25/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 OCT 102

PREDICTED 27-29 OCT 103/103/102

90-DAY MEAN 26 OCT 92

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 OCT 05

ESTIMATED 26 OCT 03

PREDICTED 27-29 OCT 04/08/12

SOLTERWARN

SPAN

BT

NNNN

KBOU

HFUS BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 300

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 27 OCTOBER 1973.

IA. AN IMP 2N FLARE FROM REGION 267 (N16E46) AT 271543 U.T. PRODUCED AN M3 X-RAY EVENT WITH A DURATION OF ONE AND ONE HALF HOURS. THIS EVENT ALSO HAD ASSOCIATED TYPE II DEKAMETRIC BURST AND A MAXIMUM FLUX OF 187 UNITS ON 4995 MHZ. REGION 267 HAS BEEN QUIET AND SIMPLE BOTH BEFORE AND SINCE THE IMP 2 FLARE. REGION 264 (S13W01) HAS ONLY PRODUCED AN OCCASIONAL SUBFLARE DURING THE PAST 24 HOURS. IT RETAINS ITS COMPLEXITY BUT THE DELTA CONFIGURATION APPEARS TO BE WEAKENING. A SMALL NEW REGION HAS EMERGED NEAR S10E15 AND IS DESIGNATED AS REGION 268. THE REMAINDER OF THE DISK IS STABLE.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW BUT AN M TYPE EVENT FROM REGION 264 APPEARS PROBABLE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. UNSETTLED CONDITIONS ARE EXPECTED FOR THE NEXT 24 HOURS, POSSIBLY BECOMING SLIGHTLY ACTIVE BY THE 29TH.

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 101/100/097

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