

KBOU

HOUS 2 BOU 110200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT 110200
JUNE 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT 102020.
LOCATIONS VALID AT 11 JUNE 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0127 N12W28 265 0000 A 00 01 ALPHA
0131 N15E29 208 0110 D 06 29 BETA-GAMMA-DELTA
0132 S15E27 210 0070 H 01 01 ALPHA
0138 N14E43 194 0000 B 03 03 BETA
0139 S14E46 191 0000 A 00 02 ALPHA

MAGNETIC CLASSIFICATIONS INFERRED AT BOULDER.

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 11 JUNE 0000Z.

NMBR LOCATION LO COMMENT

0130 N06W42 279
0133 N13W50 287
0134 N05W29 266
0135 S12E64 173
0136 N13E05 232

0137 NE LIMB MAY BE ASSOCIATED WITH OLD REGION 103.

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS- ,

RGN IMP BEGIN MAX END CLASS

137 1B B10/0855 B0855 0934 C-2

III. AREAS OF SPECIAL INTEREST-

REGION 131 AND NE LIMB (137)

SOLTERWARN

SPAN

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KBOU

HFUS 1 BOU 110601

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 162A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 11 JUNE 1973

IA. SOLAR ACTIVITY HAS REMAINED LOW, WITH ONE SUBFLARE REPORTED

SINCE 10/2200Z.

IB. NO CHANGE.

II. NO CHANGE.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

SOLTERWARN

SPAN

BT

KBOU

HFUS 1 BOU 111300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 162B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 11 JUNE 1973

IA. SOLAR ACTIVITY HAS BEEN LOW, WITH 5 SUBFLARES IN THE PAST 12 HOURS. REGION 127 (N12W35) HAS SHOWN GROWTH AND SOME SIGN OF INTENSIFYING (SPOT AND PLAGE GROWTH; ARCH FILAMENTS), AS HAS REGION 136 (N13W02) TO A LESSER DEGREE. REGION 137 (N10E88) NOW COMING OVER EAST LIMB HAS A VISIBLE SPOT GROUP AND CONTINUES TO PRODUCE SURGES. THE ASSOCIATED PROMINENCE HAS BEEN SLIGHTLY ACTIVE. OTHER REGIONS ARE QUIET AND SHOW NO SIGNIFICANT EVOLUTION, THOUGH REGION 131 (N15E22) REMAINS RELATIVELY INTENSE IN ITS APPEARANCE.

IB. ONLY SUBFLARES ARE EXPECTED, THOUGH THE POTENTIAL FOR MORE ENERGETIC ACTIVITY MAY BE REVEALED AS REGION 137 ROTATES ONTO THE DISK.

II. THE GEOMAGNETIC FIELD IS ACTIVE AND WILL LIKELY REMAIN SIMILARLY DISTURBED THROUGHOUT MOST OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 11-13 JUN

CLASS M 30/40/40

CLASS X 02/02/02

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7CM FLUX

OBSERVED 10 JUN 88

PREDICTED 11-13 JUN 90/92/94

90-DAY MEAN 10 JUN 99

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 09 JUN 12

ESTIMATED 10 JUN 20

PREDICTED 11-13 JUN 30/25/20

SOLTERWARN

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KBOU

HFUS 2 BOU 111815

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
JOINT AESU/SESC EXTENDED PERIOD REPORT ISSUED AT 1800Z 11 JUNE 1973
THIS MESSAGE IN THREE PARTS.

PART I. THIS FORECAST ISSUED AT 1800Z EACH MONDAY IS VALID FOR
A 27 DAY PERIOD. A 27-DAY MEAN VALUE OF 2800 MHZ FLUX DENSITY
IS GIVEN WITH THE INCLUSIVE DATES OF EXPECTED SIGNIFICANT
DEVIATIONS FROM THE MEAN. SEE 04 JUNE FORECAST FOR DEFINITIONS.

PART II. 27-DAY 2800 MHZ FLUX DENSITY FORECAST:

A. MEAN 92

B. SIGNIFICANT DEVIATIONS: ABOVE MEAN 17-20 JUNE

PART III. 27-DAY SOLAR EVENT FORECAST:

A. CLASS M SOLAR EVENTS THREE-SIX

CLASS X SOLAR EVENTS NONE OR ONE

B. EXPECT MOST ACTIVITY: 12-20 JUNE

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HFUS BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 162

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 11 JUNE 1973

IA. SOLAR ACTIVITY HAS BEEN LOW. ONLY THREE SUBFLARES HAVE BEEN
OBSERVED DURING THE PAST 24 HOURS. TWO WERE IN THE NORTHEAST LIMB
REGION (NUMBER 137 NEAR N14E75) AND ONE FROM REGION 127 (N12W40).
REGION 127 IS SHOWING SLOW REGENERATION. REGION 137 APPARENTLY
CONTAINS A D-TYPE SUNSPOT GROUP WITH SOME MAGNETIC COMPLEXITY. IT
IS PROBABLY ASSOCIATED WITH OLD REGION 103. A PROMINENCE EAST OF
REGION 137 HAS BEEN SLIGHTLY ACTIVE. REGION 131 (N15E18) HAS BEEN
STABLE.

IA. SOLAR ACTIVITY WILL BE LOW TO MODERATE. INFREQUENT CLASS M EVENTS
ARE POSSIBLE FROM REGIONS 131 AND/OR 137.

II. THE GEOMAGNETIC FIELD WAS DISTURBED DURING LOCAL NIGHT WITH
K-INDICES OF FOUR AND FIVE PREDOMINATING. ACTIVE TO DISTURBED
CONDITIONS ARE EXPECTED THROUGH 19 JUNE. K-INDICES OF FOUR TO SIX
ARE LIKELY DURING LOCAL NIGHT FOR THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 12-14 JUNE

CLASS M 30/30/30

CLASS X 02/02/02

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 JUNE 90

PREDICTED 12-14 JUNE 92/94/96

90-DAY MEAN 11 JUNE 99

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 10 JUNE 22

ESTIMATED 11 JUNE 29

PREDICTED 12-14 JUNE 30/25/25

SOLTERWARN

SPAN

BT