

KBOU

HOUS 2 BOU 130200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY

ISSUED AT 130200Z JUNE 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN
AT 121500Z. LOCATIONS VALID AT 13 JUNE 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

0127 N12W55 265 0004 C 07 26 BETA

0131 N16E00 210 0007 C 06 20 BETA

0132 S15E01 209 0003 C 06 02 BETA

0136 N15W20 230 0004 A 00 01 ALPHA

0137 N13E62 148 0009 D 07 18 DELTA

NOTE: MAGNETIC CLASSIFICATIONS FROM BOULDER.

IA. H-ALPHA PLACES WITHOUT SPOTS. LOCATIONS VALID AT 13 JUNE 0000Z

NMBR LOCATION LO

0130 N06W68 278

0133 N13W76 286

0135 S12E38 172

0138 N14E17 193

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS:

NONE

III. AREAS OF SPECIAL INTEREST:

REGION 137 WHICH IS MAGNETICALLY COMPLEX.

SOLTERWARN

SPAN

BT

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KBOU

HFUS 1 BOU 130600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 164A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 13 JUNE 1973

IA. SOLAR ACTIVITY REMAINS VERY LOW. TWO SMALL XRAY EVENTS HAVE BEEN
OBSERVED BY VELA TODAY; A C-1 AT 0112Z, AND A C-3 AT 0327Z. THERE
WERE NO OPTICAL EVENTS ASSOCIATED WITH EITHER OF THESE. REGION 137
(N13E59) IS REPORTED TO BE GROWING IN WHITE LIGHT, AND A DELTA IS
NOW REPORTED THERE. THERE HAS BEEN NO SIGNIFICANT CHANGE ON THE
REMAINDER OF THE DISK.

IB. THE POTENTIAL FOR ENERGETIC ACTIVITY HAS INCREASED DUE TO THE
MAGNETIC COMPLEXITY OF REGION 137.

II. NO CHANGE.

III. EVENT PROBABILITIES 13-15 JUNE

CLASS M 40/50/50

CLASS X 02/02/02

PROTON 01/01/01

PCAF GREEN

IV. NO CHANGE.

V. NO CHANGE.

SOLTERWARN

SPAN

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HFUS 1 BOU 131300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 164B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 13 JUNE 1973

IA. SOLAR ACTIVITY REMAINS VERY LOW. SEVERAL FLUCTUATIONS HAVE OCCURRED
IN REGION 137 (N13E56), BUT STRUCTURAL CHANGES HAVE BEEN MINOR. BRIGHT
SURGES ON THE SOUTHEAST LIMB ARE PROBABLY ASSOCIATED WITH RETURNING
REGION 112.

IB. FLARE ACTIVITY SHOULD REMAIN GENERALLY LOW, BUT SMALL CLASS M
EVENTS ARE POSSIBLE DUE TO THE MAGNETIC COMPLEXITY OF REGION 137.

II. THE GEOMAGNETIC FIELD IS ACTIVE AND ACTIVE CONDITIONS ARE EXPECTED
DURING THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 13 JUN - 15 JUN

CLASS M 40/40/40

CLASS X 02/02/02

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 JUN 91

PREDICTED 13 JUN - 15 JUN 92/94/95

90-DAY MEAN 12 JUN 98

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 11 JUN 29

ESTIMATED 12 JUN 29

PREDICTED 13 JUN - 15 JUN 27/25/23

SOLTERWARN

SPAN

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KBOU

HFUS BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 164

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 132200Z JUNE 1973

IA. SOLAR ACTIVITY HAS INCREASED SLIGHTLY IN THE LAST SEVERAL HOURS WITH FIVE SUBFLARES AND ONE IN REPORTED. THE IN OCCURRED IN REGION 137 (N14E49) AT 1757Z AND WAS ACCOMPANIED BY A MINOR X-RAY EVENT. THIS REGION REMAINS THE MOST INTERESTING AND APPEARS TO BE GROWING SLOWLY. REGION 127 (N14W68) CONTINUES TO PRODUCE AN OCCASIONAL SUBFLARE, BUT IS OTHERWISE RELATIVELY STABLE. A STABLE PLAGE (REGION 140) LOCATED AT S10E90 IS PROBABLY THE RETURN OF REGION 112 WHICH WAS RELATIVELY INACTIVE ON THE LAST ROTATION.

IB. SOLAR ACTIVITY IS EXPECTED TO INCREASE, POSSIBLY TO A MODERATE LEVEL, BY THE END OF THIS FORECAST PERIOD. OLD REGIONS 114 (S02) AND 107 (S05) ARE DUE BACK WITHIN THE NEXT 24 HOURS. REGION 114 PRODUCED MANY SUBFLARES ON THE LAST ROTATION, BUT WAS DECAYING AS IT ROTATED OVER THE WEST LIMB ON 31 MAY. FURTHER DEVELOPMENT IN REGION 137 IS LIKELY WITH A CORRESPONDING INCREASE IN ACTIVITY.

II. THE GEOMAGNETIC FIELD IS ACTIVE AND IS EXPECTED TO REMAIN SO FOR THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 14-16 JUNE

CLASS M 40/50/55

CLASS X 02/03/04

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 JUNE 93

PREDICTED 14-16 JUNE 94/95/96

90-DAY MEAN 13 JUNE 98

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 12 JUNE 24

ESTIMATED 13 JUNE 20

PREDICTED 14-16 JUNE 20/23/20

SOLTERWARN

SPAN

BT