

KBOU

HOUS 2 BOU 210200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY

ISSUED AT 210200Z JUNE 1973.

I. REGION WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT 201535Z.

LOCATIONS VALID AT 21 JUNE 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0137 N12W44 150 0020 B 06 14 BETA

0147 S07E40 065 0280 D 07 13 BETA

0149 S03E55 050 0190 C 09 19 BETA

0150 S12E68 037 0020 C 04 05 BETA

IA. H-ALPHA PLACES WITHOUT SPOTS. LOCATIONS VALID AT 21/0000Z.

NMBR LOCATION LO

0140 S11W19 124

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS :

NONE

III. AREAS OF SPECIAL INTEREST:

NONE

SOLTERWARN

SPAN

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HFUS 1 BOU 210600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 172A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 21 JUNE 1973.

IA. SOLAR ACTIVITY HAS BEEN VERY LOW, AS THE FREQUENCY OF
SUBFLARES HAS FALLEN OFF FROM THE SLIGHT FLURRY OF ACTIVITY
12 TO 24 HOURS AGO. REGION 137(N12W47) SHOWS NO MARKED CHANGE,
BUT MINOR FLUXUATIONS IN STRUCTURE. REGIONS 147(S07E37) AND
149(S03E52) HAVE HAD SOME SPOT DEVELOPMENT. REMAINING
REGIONS ON THE DISK ARE QUIET AND STABLE.

IB. NO CHANGE

II. NO CHANGE

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

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HFUS 1 BOU 211300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 172B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 21 JUNE 1973

IA. SOLAR ACTIVITY REMAINS LOW WITH ONLY ONE SUBFLARE REPORTED TODAY.
REGIONS 147(S07E34) AND 149 (S03E49) ARE DEVELOPING SLOWLY.

OTHER REGIONS ARE STABLE.

IB. SUBFLARE ACTIVITY SHOULD INCREASE IN REGIONS 147 AND 149. SMALL
CLASS M EVENTS ARE POSSIBLE.

II. GEOMAGNETIC ACTIVITY HAS DECLINED SINCE OUR 20/2200Z REPORT.
MILDLY UNSETTLED CONDITIONS ARE EXPECTED DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 21 JUN - 23 JUN

CLASS M 35/40/40

CLASS X 01/02/02

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 JUN 102

PREDICTED 21 JUN - 23 JUN 104/106/106

90-DAY MEAN 20 JUN 98

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 19 JUN 24

ESTIMATED 20 JUN 19

PREDICTED 21 JUN - 23 JUN 10/08/08

SOLTERWARN

SPAN

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KBOU

HFUS BOU 212200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 172

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 21 JUNE 1973.

IA. SOLAR ACTIVITY HAS BEEN VERY LOW WITH ONLY 6 SUBFLARES
REPORTED TODAY. REGION 147 (S08E29) IS THE BRIGHTEST REGION
AND HAS EXHIBITED SLOW, MINOR SPOT AND PLAGE GROWTH. ONE
FLARE HAS BEEN REPORTED FROM THIS REGION, AND 9CM, EUV AND
X-RAY DATA INDICATES THE HOTTEST CORONA IS OVER THIS REGION.
REGION 149 (S05E45) HAS PRODUCED 2 SUBFLARES AND HAS UNDERGONE
MINOR GROWTH AND NOW HAS A DELTA CONFIGURATION. REGION 150
(S15E59) HAS PRODUCED 2 SUBFLARES BUT REMAINS UNIMPRESSIVE.
ALL OTHER REGIONS ARE STABLE.

IB. ACTIVITY IS EXPECTED TO REMAIN LOW WITH A SLIGHT CHANCE
OF AN ENERGETIC EVENT FROM REGION 147 OR 149. FURTHER DEVEL-
OPMENT IN THESE TWO REGIONS WOULD LEAD TO A HIGHER PROBABILITY
OF ACTIVITY.

II. THE GEOMAGNETIC FIELD IS QUIET TO UNSETTLED AND SHOULD
BECOME QUIET BY THE END OF THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 22 JUN - 24 JUN.

CLASS M 40/45/45

CLASS X 02/02/02

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 21 JUN 105

PREDICTED 22 JUN - 24 JUN 107/107/106

90-DAY MEAN 21 JUN 98

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 20 JUN 17

ESTIMATED 21 JUN 12

PREDICTED 22 JUN - 24 JUN 10/08/06

SOLTERWARN

SPAN

BT