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HOUS 2 BOU 160200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT 160200Z
JUNE 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT 151730Z
LOCATIONS VALID AT 160000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0127 N12W93 264 0030 H 01 01 ALPHA

0131 N16W38 209 0020 H 02 05 ALPHA

0132 S15W40 211 0010 A 01 01 ALPHA

0137 N12E19 152 0030 C 07 33 BETA-GAMMA

0141 N15E25 146 0030 C 05 11 BETA

0144 N15E17 154 0000 A 01 03 ALPHA

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 160000Z.

NMBR LOCATION LO

0135 S12W20 191

0140 S12E50 121

0142 S04E67 104

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN IMP BEGIN MAX END CLASS

131 1B 1407Z 1412Z 1456Z M-4S

III. AREAS OF SPECIAL INTEREST-

REGIONS 131, 137 AND 141.

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KBOU FUS 1 BOU 160600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 167A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 16 JUNE 1973

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST EIGHT HOURS. FOUR NON-
ENERGETIC SUBFLARES HAVE BEEN REPORTED IN FOUR DIFFERENT REGIONS.
AN A-TYPE SPOT AND ARCHED FILAMENT STRUCTURE NEAR S14W19 INDICATES
EMERGENCE OF NEW REGION NEAR SPOTLESS REGION 135.

IB. NO CHANGE.

II. NO CHANGE.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

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HFUS 1 BOU 161300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 167B

JOIN AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 16 JUNE 1973.

IA. SOLAR ACTIVITY HAS BEEN VERY LOW WITH ONLY TWO NON-ENERGETIC
SUBFLARES REPORTED TODAY. A 'C' TYPE SPOT GROUP, REGION 143,
IS DEVELOPING NEAR S14W18. REGION 141(N15E19) HAS SHOWN SLIGHT
GROWTH. OTHER DISK REGIONS ARE STABLE.

IB. FLARE ACTIVITY IS EXPECTED TO REMAIN LOW.

II. THE GEOMAGNETIC FIELD IS UNSETTLED. UNSETTLED TO SLIGHTLY
ACTIVE CONDITIONS ARE EXPECTED DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 16 - 18 JUNE

CLASS M 40/40/40

CLASS X 02/02/02

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7CM FLUX

OBSERVED 15 JUNE 95

PREDICTED 16-18 JUNE 95/95/95

90-DAY MEAN 15 JUNE 98

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 14 JUNE 14

ESTIMATED 15 JUNE 14

PREDICTED 16-18 JUNE 15/15/15

SOLTERWARN

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KBOU

HFUS BOU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 167

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 16 JUNE 1973

IA. AN IMPORTANCE 2B FLARE OCCURRED TODAY AT 1420Z IN REGION 137 (N13E11). THIS MAJOR FLARE WAS ACCOMPANIED BY MODERATE X-RAYS (M3), MODERATE RADIO BURSTS AND MODERATE IONOSPHERIC DISTURBANCES. THERE IS NO EVIDENCE THAT THERE WILL BE FURTHER TERRESTRIAL EFFECTS FROM THIS FLARE. AN ISOLATED POLE APPEARS TO BE DEVELOPING BETWEEN REGIONS 141 AND 137. SPOTS ARE DEVELOPING IN THIS AREA AS WELL. SPOTS HAVE APPEARED IN REGION 135 AND A NEW BIPOLE MAY BE EMERGING NEAR S09E40. AN ACTIVE PROMINENCE EXISTS AT S19E90. ALTOGETHER THERE HAVE BEEN SIX SUBFLARES REPORTED TODAY, MOST OF THEM IN REGION 137.

IB. SOLAR ACTIVITY COULD INCREASE AS REGION 137-141 UNDERGOES FURTHER CHANGES. THERE IS POTENTIAL AT PRESENT FOR MORE SIGNIFICANT ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED AND WILL GRADUALLY BECOME QUIET TOWARD THE END OF THIS PERIOD.

III. EVENT PROBABILITIES 17-19 JUNE

CLASS M 60/60/60

CLASS X 10/10/10

PROTON 01/02/03

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 JUNE 92

PREDICTED 17-19 JUNE 93/94/94

90-DAY MEAN 16 JUNE 98

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 JUNE 12

ESTIMATED 16 JUNE 11

PREDICTED 17-19 JUNE 10/08/07

SOLTERWARN

SPAN

BT