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HOUS 2 BOU 170200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT 170200  
JUNE 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT 161730Z.  
LOCATIONS VALID AT 170000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE  
0131 N16W53 211 0010 A 01 01 ALPHA  
0132 S15W53 211 0000 A 00 01 ALPHA  
0137 N12E08 150 0070 C 08 29 BETA-GAMMA  
0141 N15E11 147 0010 B 03 07 BETA  
0143 S15W27 185 0010 A 02 02 ALPHA

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 170000Z.

NMBR LOCATION LO

0135 S13W33 191  
0140 S12E36 122  
0142 S04E55 103  
0144 N22E00 158  
0145 N07W44 202

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN IMP BEGIN MAX END CLASS

137 2B 161416Z 1426Z 1516Z M3

III. AREAS OF SPECIAL INTEREST-

REGION 137/141.

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HFUS 1 BOU

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 168 A

JOINT AESU/SESC SECONDARY ] REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600 Z 17 JUNE 1973

I.A. SOLAR ACTIVITY HAS BEEN LOW THE PAST EIGHT HOURS.  
FIVE NON-ENERGETIC SUBFLARES HAVE OCCURRED IN FIVE  
SEPARATE REGIONS. STRUCTURAL CHANGES CONTINUE IN  
THE REGIONS 137/141 COMPLEX CENTERED NEAR N13 E07  
AS NEW FLUX PATTERNS EMERGE.

I.B. NO CHANGE

II. NO CHANGE

III. EVENT PROBABILITIES NO CHANGE  
CLASS M / /  
CLASS X / /  
PROTON / /  
PCAF / /

IV. OTTAWA 10.7 CM FLUX NO CHANGE  
OBSERVED - - - T / /  
PREDICTED - - - T / /  
90-DAY MEAN - - - T / /

V. GEOMAGNETIC A INDICES NO CHANGE  
OBSERVED FREDERICKSBURG - - -  
ESTIMATED - - -  
PREDICTED - - - T / /

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HFUS 1 BOU 171300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 168B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 17 JUNE 1973

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 24 HOURS. THE  
MOST SIGNIFICANT ACTIVITY WAS AN IMPORTANCE 2B FLARE ACCCOMPANIED  
BY X-RAY AND RADIO EVENTS AT 1420Z, 16 JUNE FROM REGION 137 (N12E02).  
THIS REGION HAS SINCE PRODUCED FOUR SUBFLARES. REGION 141 (N14E04)  
HAS PRODUCED 6 SUBFLARES IN THE PAST 24 HOURS AND APPEARS TO BE  
GROWING. REGION 143 (S14W34) HAS PRODUCED THE MOST RECENT ACTIVITY  
WITH A SUBFLARE AT 1123Z, BUT APPEARS TO BE IN A DECLINING PHASE.  
NEW REGION 145 (N08W44) HAS SHOWN SOME SPOT GROWTH.

IB. CONSIDERING THE COMPLEXITY OF REGION 137-141 AND THE NUMBER  
OF OTHER REGIONS THERE IS A GOOD POSSIBILITY OF INCREASED ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO ACTIVE BUT IS EXPECTED  
TO SUBSIDE DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 17 JUN - 19 JUN

CLASS M 60/60/60

CLASS X 10/10/10

PROTON 01/02/03

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 JUN 92

PREDICTED 17 JUN - 19 JUN 93/94/94

90-DAY MEAN 16 JUN 98

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 JUN 12

ESTIMATED 16 JUN 11

PREDICTED 17 JUN - 19 JUN 15/10/10

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HFUS BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 168

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 17 JUNE 1973.

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 24 HOURS. ONLY NON-ENERGETIC SUBFLARES HAVE BEEN OBSERVED AND THESE HAVE COME PRIMARILY FROM REGION 143 (S14W39) WHICH NO LONGER HAS SPOTS. THE 137/141 COMPLEX SHOWS DECAY IN 141 (N15W04) AND THE LEADER OF 137 (N12W07) AND GROWTH AND REORGANIZATION IN THE TRAILER OF 137. ACTIVITY IN 137/141 FOR THE PAST 18 HOURS HAS BEEN LIMITED TO PLAGE FLUCTUATIONS AND DARK SURGES. SMALL SURGES AND ONE SUBFLARE HAVE BEEN OBSERVED FROM REGION 147 (S06E86) WHICH IS A SMALL PLAGE NOW CROSSING THE EAST LIMB.

IB. INFREQUENT CLASS M EVENTS ARE EXPECTED FROM THE 137/141 COMPLEX DURING THE NEXT 72 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO ACTIVE. UNSETLED CONDITIONS ARE EXPECTED TO PERSIST FOR THE NEXT 24-36 HOURS. QUIET CONDITIONS WILL PREVAIL THEREAFTER.

III. EVENT PROBABILITIES 18 JUN - 20 JUN.

CLASS M 55/55/55

CLASS X 08/08/08

PROTON 02/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 17 JUN 87

PREDICTED 18 JUN - 20 JUN 86/85/84

90-DAY MEAN 17 JUN 98

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 16 JUN 10

ESTIMATED 17 JUN 14

PREDICTED 18 JUN - 20 JUN 10/08/06

SOLTERWARN

SPAN

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