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HOUS 2 BOU 180200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT 180200
JUNE 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT 171720.
LOCATIONS VALID AT 18 JUNE 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0131 N15W67 212 0000 A 00 01 ALPHA

0137 N12W08 153 0120 C 07 21 BETA-GAMMA

0141 N15W05 150 0000 A 01 02 ALPHA

0146 N07W06 151 0000 A 00 01 ALPHA

0148 N15W09 154 0000 A 00 04 ALPHA

MAGNETIC CLASSIFICATIONS INFERRED AT BOULDER.

IA. H-ALPHA PLACES WITHOUT SPOTS. LOCATIONS VALID AT 18 JUNE 0000Z

NMBR LOCATION LO

0132 S15W66 211

0135 S13W46 191

0140 S12E23 122

0142 S05E42 103

0143 S15W40 185

0144 N22W13 158

0145 N07W57 202

0147 S06E85 060

II. INNNN

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HFUS 1 BOU 180600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 169A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 18 JUNE 1973

IA. SOLAR ACTIVITY REMAINS LOW, WITH ONLY OCCASIONAL SUBFLARES REPORTED. NONE OF THE REGIONS ON THE DISK HAVE BEEN SHOWING SIGNIFICANT EVOLUTION.

IB. SUBFLARES ARE EXPECTED, WITH A CLASS M EVENT POSSIBLE DURING THE FORECAST PERIOD.

II. GEOMAGNETIC ACTIVITY HAS INCREASED DURING THE PAST FEW HOURS PRODUCING A K-INDEX OF 6 IN THE PERIOD 00-03Z. THE FIELD WILL LIKELY BE DISTURBED TO ACTIVE LEVELS FOR THE NEXT DAY OR TWO, BUT DECLINING THROUGH THE FORECAST PERIOD. K-INDICES OF 4 OR 5 ARE EXPECTED AROUND LOCAL MIDNIGHT TODAY AND PERHAPS TOMORROW.

III. NO CHANGE

IV. NO CHANGE

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 16 JUN 10

ESTIMATED 17 JUN 16

PREDICTED 18 JUN - 20 JUN 30/25/20

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HFUS 1 BOU 181300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 169B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 18 JUNE 1973

IA. SOLAR ACTIVITY REMAINS LOW WITH ONLY FOUR SUBFLARES DURING THE
PAST 24 HOURS. REGION 137 (N12W11) HAS BEEN THE MOST ACTIVE BUT
APPEARS TO BE DECAYING. A SPOT APPEARS TO BE DEVELOPING IN THE
TRAILER OF REGION 140 (S10E13). OTHER REGIONS ARE QUIET. THERE IS
MINOR SURGE ACTIVITY ON THE EAST LIMB AT S05.

IB. SUBFLARES ARE EXPECTED AND CLASS M EVENTS POSSIBLE DURING THE
FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE DURING THE PAST 12 HOURS
AND IS EXPECTED TO BE UNSETTLED TO ACTIVE DURING THE NEXT DAY OR TWO.

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 16

PREDICTED 18 JUN - 20 JUN 30/25/20

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HFUS 2 BOU 181800

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

JOINT AESU/SESC EXTENDED PERIOD REPORT ISSUED AT 1800Z 18 JUNE 73

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 89

B. SIGNIFICANT DEVIATIONS: SLIGHTLY ABOVE MEAN 09-15 JULY

PART III. 27-DAY SOLAR EVENT FORECAST:

A. CLASS M SOLAR EVENTS SIX TO EIGHT

CLASS X SOLAR EVENTS NONE TO ONE

B. EXPECT MOST ACTIVITY:

19-24 JUNE

08-14 JULY

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HFUS BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 169

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 18 JUNE 1973.

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS.
REGIONS 137 (N12W16), 147 (S07E69) AND 149 (S05E85) HAVE PRO-
DUCED NON-ENERGETIC SUBFLARES. REGION 141 (N15W13) HAS
SHOWN MARKED PLAGE DECAY. REGION 137 APPEARS TO HAVE ENTERED
A PHASE OF SLOW DECAY. REGIONS 147 AND 149 ARE SMALL REGIONS
IN EARLY STAGES OF DEVELOPMENT. EACH CONTAINS A SMALL SPOT
GROUP IN BRIGHT AND RELATIVELY COMPACT PLAGE.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW FOR THE NEXT 72 HOURS.
ENERGETIC ACTIVITY REMAINS POSSIBLE FROM REGION 137 BUT IS
JUDGED TO BE LESS LIKELY THAN HERETOFORE. CAUTION IS DIRECTED
TO THE POSSIBILITY OF INCREASED ACTIVITY FROM THE SOUTHEAST
LIMB WHICH IS CURRENTLY THE STRONGEST SOURCE OF ULTRAVIOLET
AND X-RAY EMISSION.

II. THE GEOMAGNETIC FIELD BECAME DISTURBED TO MINOR STORM IN-
TENSITY DURING LOCAL NIGHT AND REMAINED UNSETTLED DURING THE
DAY. UNSETTLED TO ACTIVE CONDITIONS WITH A GENERAL QUIETING
TREND ARE EXPECTED DURING THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 19 JUN - 21 JUN.

CLASS M 45/35/40

CLASS X 02/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 18 JUN 88

PREDICTED 19 JUN - 21 JUN 88/88/87

90-DAY MEAN 18 JUN 98

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 17 JUN 17

ESTIMATED 18 JUN 24

PREDICTED 19 JUN - 21 JUN 13/12/10

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