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KBOU

HOUS 2 BOU 200200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT 200200Z
JUNE 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT 191545
LOCATIONS VALID AT 20 JUNE 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0137 N12W31 149 0030 C 04 16 BETA

0147 S08E53 065 0190 D 07 18 BETA

0149 S05E71 047 0150 C 10 11 BETA

MAGNETIC CLASSIFICATIONS FROM BOULDER

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 20 JUNE 0000Z.

NMBR LOCATION LO

0140 S11W06 124

0142 S05E16 102

0150 S12E90 -

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN IMP BEGIN MAX END

147 1F 19/1155 1200 1225

III. AREAS OF SPECIAL INTEREST-

REGION 147 IS SHOWING CONTINUED DEVELOPMENT. THE EAST LIMB OVER
REGION 150 IS MODERATELY ENHANCED IN RADIO, EUV, AND LONG X-RAY
FREQUENCIES.

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HFUS 1 BOU 200600
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 171A
JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 20 JUNE 1973.

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 137 (N12W34)
CONTINUES ITS SLOW DECLINE, REGION 147 (S08E50) CONTINUES TO SHOW
EVIDENCE OF DEVELOPMENT AND NEW EMERGING FIELDS. REGION 150 (S12E90)
IS SURGING BUT OTHERWISE QUIET. OTHER REGIONS ON THE DISK ARE
QUIET AND STABLE. A NEWLY DESIGNATED REGION, 151, IS LOCATED
AT N07W45.

- IB. NO CHANGE
- II. NO CHANGE
- III. NO CHANGE
- IV. NO CHANGE
- V. NO CHANGE

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HFUS 1 BOU 201300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 171B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 20 JUNE 1973

IA. SOLAR ACTIVITY HAS CONTINUED VERY LOW WITH ONLY SEVEN SUBFLARES
DURING THE PAST 24 HOURS. REGION 149 (S03E62) HAS BEEN THE MOST
ACTIVE AND CONTAINS AN ARCH FILAMENT SYSTEM. REGION 137 (N12W37)
CONTINUES TO DECLINE WITH OCCASSIONAL POINT BRIGHTENINGS NEAR THE
KINK IN ITS NEUTRAL LINE. REGION 147 (S08E47) CONTINUES TO SHOW
SLOW GROWTH. REGION 150 (S12E87) CONTINUES TO SHOW MINOR SURGING.
NEW REGION 151 (N07W48) IS QUIET.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW. REGIONS 147 AND 149 APPEAR
TO BE THE BEST POSSIBILITIES FOR INCREASED ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE DURING THE PAST 24 HOURS.
IT IS EXPECTED TO BE UNSETTLED DURING THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 20 JUN - 22 JUN

CLASS M 35/40/45

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 JUN 96

PREDICTED 20 JUN - 22 JUN 98/100/100

90-DAY MEAN 19 JUN 98

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 18 JUN 29

ESTIMATED 19 JUN 24

PREDICTED 20 JUN - 22 JUN 20/15/08

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KBOU

HFUS BOU 202200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 171

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 202200Z JUNE 1973

IA. SOLAR ACTIVITY HAS INCREASED SLIGHTLY WITH 12 SUBFLARES REPORTED TODAY. MOST OF THESE FLARES HAVE BEEN FROM REGION 149 (S03E56) WHICH REMAINS FAIRLY SMALL BUT BRIGHT AND DEVELOPING SLOWLY. IT HAS A MODERATELY COMPLEX 'D' SPOT GROUP, AS DOES REGION 147 (S07E41). THE DAILY 10 CM FLUX CONTINUES TO CLIMB RAPIDLY FROM APPARENT CORONAL HEATING FROM THESE TWO REGIONS. THE LEADING SUNSPOTS IN BOTH REGIONS ARE DEVELOPING VORTICAL STRUCTURE. ALL OTHER REGIONS ARE STABLE OR SLOWLY DECLINING.

IB. SOLAR ACTIVITY WILL LIKELY INCREASE SLOWLY OVER THIS PERIOD TO POSSIBLY A MODERATE LEVEL.

II. THE GEOMAGNETIC FIELD IS UNSETLED TO ACTIVE AND WILL PROBABLY DECREASE OVER THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 21-23 JUNE

CLASS M 35/40/40

CLASS X 01/02/02

PROTON 01/01/01

PCAF GREEN

IV. OTTAW 10.7 CM FLUX

OBSERVED 20 JUNE 102

PREDICTED 21-23 JUNE 104/106/106

90-DAY MEAN 20 JUNE 98

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 19 JUNE 24

ESTIMATED 20 JUNE 19

PREDICTED 21-23 JUNE 17/15/12

SOLTERWARN

SPAN

BT