

KBOU

HOUS 2 BOU 190200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT 190200  
JUNE 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT 181650.  
LOCATIONS VALID AT 19 JUNE 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0132 S17W81 212 0010 A 01 01 ALPHA

0137 N12W17 148 0050 C 04 09 BETA-GAMMA

0141 N15W14 145 0000 B 02 02 BETA

0147 S07E68 063 0030 A 01 01 ALPHA

0149 S05E84 047 0010 A 01 01 ALPHA

MAGNETIC CLASSIFICATIONS INFERRED AT BOULDER.

IA. H-ALPHA PLACES WITHOUT SPOTS. LOCATIONS VALID AT 19 JUNE 0000Z

NMBR LOCATION LO

0131 N18W78 209

0135 S13W59 190

0140 S12E10 121

0142 S05E29 102

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-  
NONE.

III. AREAS OF SPECIAL INTEREST-

REGIONS 147 AND 149 ROTATING ONTO THE DISK MAY SHOW INTENSIFICATION  
AND FURTHER GROWTH.

SOLTERWARN

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KBOU

HFUS 1 BOU 190600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 170A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 19 JUNE 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 137 (N12W20) CONTINUES  
TO STEADILY DECLINE. REGIONS 147 (S07E65) AND 149 (S05E84) REMAIN  
FAIRLY INTENSE IN THEIR APPEARANCE AND COULD CONTINUE THEIR GROWTH  
LONG ENOUGH TO HAVE A POTENTIAL FOR GREATER THAN SUB-CLASS FLARES.

IB. NO CHANGE.

II. THE GEOMAGNETIC FIELD IS AGAIN DISTURBED, THOUGH AT LOWER LEVELS  
THAN AT THIS TIME THE PREVIOUS NIGHT. ACTIVITY IS EXPECTED TO SUB-  
SIDE TO UNSETTLED WITHIN THE NEXT DAY.

III. NO CHANGE.

IV. NO CHANGE.

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 17 JUN 17

ESTIMATED 18 JUN 24

PREDICTED 19 JUN-21 JUN 21/14/10

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HFUS 1 BOU 191300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 170B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 19 JUNE 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW WITH ONLY SEVEN SUBFLARES  
DURING THE PAST 24 HOURS. REGION 137 (N12W24) CONTINUES TO DECAY.  
REGIONS 147 (S07E61) AND 149 (S05E80) HAVE BEEN BRIGHT, GROWING AND  
THE MOST ACTIVE. SPRAY AND SURGES CONTINUE ON THE EAST LIMB AT S12.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW DURING THE NEXT 72 HOURS.  
REGION 137 IS NO LONGER DEEMED AS LIKELY TO PRODUCE SIGNIFICANT  
ACTIVITY. SURGING AND ULTRAVIOLET EMISSIONS ON THE SOUTHEAST LIMB  
IMPLY IMMINENT ARRIVAL OF A POTENTIALLY ACTIVE REGION.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE DURING LOCAL NIGHT HOURS  
AND UNSETTLED TO QUIET DURING LOCAL DAYLIGHT HOURS. THIS PATTERN  
IS EXPECTED TO CONTINUE DIMINISHED.

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 18/12/10

SOLTERWARN

SPAN

BT

KBOU

HFUS BOU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 170

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 19 JUNE 1973.

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. NON-ENERGETIC SUBFLARES  
HAVE BEEN OBSERVED IN REGIONS 137 (N12W30), 147 (S08E54), AND  
149 (S05E72). REGION 147 HAS GROWN IN BOTH WHITE LIGHT AND  
H-ALPHA. ITS SPOT GROUP IS NOW TYPE D WITH AREA 190 MILLIONTHS.  
FURTHER GROWTH IS EXPECTED. REGION 149 CONTAINS A C/150  
MILLIONTHS SPOT GROUP. FURTHER GROWTH IS LESS LIKELY IN 149  
THAN IN 147. THE SOUTHEAST LIMB REMAINS "HOT" AT X-RAY, ULTRA-  
VIOLET, AND 10CM WAVELENGTHS INDICATING THAT YET ANOTHER NEW  
REGION MAY BE APPROACHING THE LIMB. THE SOLAR FLUX AT  
2800 MHZ (10.7 CM) WAS UP SHARPLY TODAY, APPARENTLY DUE TO  
SOURCES NEAR THE SOUTHEAST LIMB.

IB. A GENERALLY LOW LEVEL OF ACTIVITY IS EXPECTED DURING THE  
NEXT 72 HOURS. ENERGETIC ACTIVITY WILL BECOME MORE LIKELY AS  
REGION 147 DEVELOPS. ACTIVITY MAY ALSO INCREASE IF ANOTHER  
REGION DOES INDEED APPEAR AT THE SOUTHEAST LIMB.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE. UNSETTLED TO ACTIVE  
CONDITIONS WITH A QUIETING TREND ARE EXPECTED FOR 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

SOLTERWARN

SPAN

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