

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 PLAGES 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

SPAN

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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 SUBSIDE 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

SOLTERWARN

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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 (S05E30) 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 UNSETLED 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

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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

BT