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HOUS 2 BOU 010200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
01/0200Z OCT 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT
30/1545Z. LOCATIONS VALID AT 01 OCT 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
0234	N05W66	263	0080	H	01	02	ALPHA	
0236	N14W58	255	0380	E	11	11	BETA	
0241	N20W04	201	0100	H	02	01	ALPHA	
0243	N11W62	259	0010	A	01	03	ALPHA	
0245	S15E02	195	0020	B	03	16	BETA	
0247	S15E23	174	0020	B	09	35	BETA	
0248	N12E28	169	0130	H	02	01	ALPHA	
0251	N15E40	157	0010	A	00	01	ALPHA	

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 01 OCT 0000Z.

NMBR LOCATION LO

NMBR	LOCATION	LO
0249	S13E63	134

II. NONE

III. AREAS OF SPECIAL INTEREST

REGION 245 CONTAINS AN ABNORMAL CONFIGURATION OF SPOT POLARITIES
WITH AN EAST-WEST NEUTRAL LINE.

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HFUS 1 BOU 010600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 274 A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 01 OCTOBER 1973

IA. SOLAR ACTIVITY HAS BEEN AT A VERY LOW LEVEL DURING THE PAST 8
HOURS. ALL REGIONS APPEAR STABLE AND QUIET.

IB. NO MAJOR ACTIVITY IS EXPECTED DURING THE NEXT 7 HOURS.

II. THE GEOMAGNETIC FIELD IS IN AN UNSETTLED CONDITION AND WILL
REMAIN THAT WAY DURING THIS ZULU DAY.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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HFUS 1 BOU 011300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 274B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 01 OCTOBER 1973

IA. SOLAR ACTIVITY IS PRESENTLY VERY LOW, WITH ONE SUBFLARE REPORTED TODAY (X-RAY CLASS C1). THE LARGER REGIONS, 236 (N14W65) AND 247 (S15E16), HAVE GROWN A LITTLE IN THEIR SPOT GROUPS AND SHOW MINOR FLUXUATION AND RESTRUCTURING IN H-ALPHA. REGION 245 (S15W05) ALSO SHOWS MINOR GROWTH. REMAINDER OF DISK AND LIMBS ARE QUIET AND ESSENTIALLY UNCHANGED.

IB. ACTIVITY IS EXPECTED TO BE LIMITED TO NON-ENERGETIC SUBFLARES, AND PERHAPS A COUPLE OF SMALL X-RAY EVENTS (CLASS C) PER DAY. POTENTIAL FOR MODERATELY ENERGETIC ACTIVITY APPEARS TO BE SOMEWHAT GREATER NOW THAN IT WAS IN THE PAST FEW DAYS, THOUGH SUCH ACTIVITY IS NOT PROBABLE. ACCELERATED DEVELOPMENT OR DECLINE IN REGIONS 247 OR 236 COULD RAISE THE POTENTIAL FOR A LARGE CLASS C, OR CLASS M X-RAY FLARE.

II. THE GEOMAGNETIC FIELD IS QUIET, BUT MAY BECOME MILDLY UNSETTLED TODAY AND BE UNSETTLED THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 01 OCT - 03 OCT

CLASS M 30/35/40

CLASS X 02/02/02

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 SEP 118

PREDICTED 01 OCT - 03 OCT 114/111/109

90-DAY MEAN 30 SEP 91

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 SEP 02

ESTIMATED 30 SEP 02

PREDICTED 01 OCT - 03 OCT 07/09/10

SOLTERWARN

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HFUS BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 274

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY ISSUED 2200Z 01 OCT 1973

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. THE MOST ENERGETIC EVENT REPORTED CONSISTED OF A CLASS C4 SUBNORMAL FLARE IN REGION 243 (N11W73) AT 01/1255Z.

REGION 245 (S15W11) HAS PRODUCED OCCASIONAL MINOR SUBFLARES, WHILE REGION 247 (S14E11) PRODUCED ONLY ONE SUB-FAINT FLARE AT 01/1532Z. REGION 245 STILL CONTAINS AN ABNORMAL MAGNETIC CONFIGURATION WITH LEADING POLARITY SOUTH AND EAST AND FOLLOWING POLARITY IN THE LARGEST WESTERN SPOT OF THE GROUP. SLOW DEVELOPMENT OF SPOTS AND PLAGE IS STILL OCCURRING IN REGIONS 245 AND 247. REGION 247 CONTAINS ENHANCED PLAGE BUT ITS MAGNETIC CONFIGURATION IS SIMPLE AND BIPOLAR. THE COMPLEX OF REGIONS 236 (N14W70), 243 (N11W73), AND 234 (N05W78) HAS SHOWN ONLY SLIGHT DEVELOPMENT BUT HAS PRODUCED SPORADIC SUBFLARE ACTIVITY. OTHER REGIONS ARE RELATIVELY UNIMPRESSIVE, AND THE LIMBS ARE QUIET.

IB. SOLAR ACTIVITY PROBABLY WILL REMAIN LOW THROUGH THE FORECAST PERIOD. SPORADIC SUBFLARES ARE EXPECTED TO OCCUR IN REGIONS 236, 243, 234, 245 AND 247. ONE OF THESE REGIONS MAY PRODUCE A CLASS M EVENT DURING THE THREE-DAY FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS REMAINED RELATIVELY QUIET DURING THE PAST 24 HOURS. QUIET TO UNSETLED CONDITIONS ARE ANTICIPATED DURING THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 02-04 OCT

CLASS M 35/35/35

CLASS X 02/02/02

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7CM FLUX

OBSERVED 01 OCT 109

PREDICTED 02-04 OCT 108/106/104

90-DAY MEAN 01 OCT 92

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 30 SEP 03

ESTIMATED 01 OCT 05

PREDICTED 02-04 OCT 08/10/09

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FORECAST PERIOD. SPORADIC SUBFLARES ARE EXPECTED TO OCCUR
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MAY PRODUCE A CLASS M EVENT DURING THE THREE-DAY FORECAST PERIOD.

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ESTIMATED 01 OCT 05

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