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HOUS 2 BOU 030200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
030200 SEP 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT
02/1515Z AND MOUNT WILSON AT 02/1630Z. LOCATIONS VALID AT 03
SEP 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0203	N15W53	259	0120	H	02	01	ALPHA
0209	S16E12	194	0420	D	08	43	BETA
0210	N22E05	201	0030	C	04	17	BETA
0211	S13W41	247	0040	D	04	19	BETA
0212	N14E42	164	0280	C	09	12	BETA
0213	N06W47	253	0010	B	07	09	BETA
0215	S17E44	162	0110	C	07	32	BETA-GAMMA-DELTA
0218	S08W10	216	0010	B	03	08	BETA
0220	S09W01	207	0005	B	02	02	BETA
0221	N14W39	241	0005	A	01	01	ALPHA

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 03 SEP 0000Z.

NMBR LOCATION LO COMMENT

208	N03W67	273	
206	N17W48	254	
216	N15W36	242	
217	N10W15	221	
219	S13E81	125	MAY CONTAIN SPOTS - CLOSE TO EAST LIMB.

II. NONE.

III. AREAS OF SPECIAL INTEREST-

REGION 215 IS DEVELOPING RAPIDLY, AND A DELTA CONFIGURATION HAS
BEEN OBSERVED IN THE LEADING SECTION. REGION 219 MAY CONTAIN
SPOTS, ACCORDING TO RECENT REPORTS.

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HFUS 1 BOU 030600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 246A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 03 SEPTEMBER 1973

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 7 HOURS. REGIONS 215
(S17E41) AND 209 (S12E09) ARE THE MOST INTERESTING DISK FEATURES.
IB. NO MAJOR SOLAR ACTIVITY IS EXPECTED DURING THE NEXT SEVEN HOURS.
CLASS M FLARES ARE PROBABLE.

II. THE GEOMAGNETIC FIELD HAS REMAINED IN A QUIET CONDITION DURING
THE PAST 24 HOURS. THE FIELD IS EXPECTED TO BE UNSETTLED DURING THE
NEXT 24 HOURS. NO MAJOR DISTURBANCE IS EXPECTED.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

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HFUS 1 BOU 031300
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 246B
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 03 SEPTEMBER 1973

IA. SOLAR ACTIVITY IS LOW, WITH SUBFLARE FREQUENCY DOWN SOME FROM THE LEVELS OF THE PREVIOUS DAY. REGION 215 (S17E38) REMAINS THE MOST ACTIVE (C6 X-RAY FLARE AT 0034Z) AND SHOWS A LITTLE GROWTH OF THE SUNSPOT GROUP. REGION 210 (N22W02) HAS GROWN IN AREA. OTHER REGIONS HAVE NOT SHOWN MARKED CHANGE, AND HAVE PRODUCED NO SIGNIFICANT ACTIVITY.

IB. SUBFLARE ACTIVITY WILL LIKELY CONTINUE ON AN AVERAGE OF EVERY HOUR OR TWO. GOOD POTENTIAL FOR MODERATELY ENERGETIC FLARE ACTIVITY (X-RAY CLASS M) EXISTS IN REGIONS 215 AND 209 (S16E06). A FEW X-RAY CLASS C FLARES ARE EXPECTED IN THE COMING 24 HOURS.

II. THE GEOMAGNETIC FIELD IS QUIET AND IS EXPECTED TO REMAIN SO THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 03 SEP - 05 SEP

CLASS M	75/80/85
CLASS X	05/05/05
PROTON	05/05/05
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	02 SEP 130
PREDICTED	03 SEP - 05 SEP 133/135/135
90-DAY MEAN	02 SEP 88

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG	01 SEP 04
ESTIMATED	02 SEP 04
PREDICTED	03 SEP - 05 SEP 04/05/06
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HFUS BOU 032200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 246

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 03 SEP 1973

IA. SOLAR ACTIVITY HAS BEEN MODERATE TO LOW. THE MOST ENERGETIC EVENT REPORTED DURING THE PAST 24 HOURS WAS A ONE-NORMAL CLASS-C6 EVENT IN REGION 210 (N22W08) AT 03/1614Z. TEN SUBFLARES HAVE BEEN REPORTED DURING THE PAST 24 HOURS. REGION 215 (S13E32) HAS BEEN THE MOST ACTIVE OF THE DISK REGIONS, BUT DEVELOPMENT HAS SLOWED AT THAT SITE. REGION 215 MAY STILL CONTAIN STRONG MAGNETIC GRADIENTS EAST OF THE LEADER. REGION 209 (S15W00) CONTINUES TO DECAY SLOWLY BUT CONTAINS ENHANCED PLAGE. REGION 212 HAS PRODUCED FREQUENT DARK SURGES AND SHOWS STRONG ACTIVE FIBRILS SOUTH AND WEST OF THE LARGE LEADER SPOT. REGION 210 (N22W08) HAS GROWN CONSIDERABLY AND STILL CONTAINS ARCH-FILAMENTS, BUT DEVELOPMENT HAS SLOWED. OTHER REGIONS ARE RELATIVELY STABLE.

IB. SOLAR ACTIVITY PROBABLY WILL REMAIN LOW TO MODERATE DURING THE FORECAST PERIOD. REGIONS 215, 209, 212 AND 210 PROBABLY WILL PRODUCE SPORADIC CLASS-C OR WEAK CLASS-M FLARES.

II. THE GEOMAGNETIC FIELD HAS REMAINED QUIET, AND QUIET CONDITIONS ARE EXPECTED TO CONTINUE DURING THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 04-06 SEP

CLASS M 75/75/75

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 SEP 134

PREDICTED 04-06 SEP 134/132/132

90-DAY MEAN 03 SEP 88

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 02 SEP 06

ESTIMATED 03 SEP 04

PREDICTED 04-06 SEP 07/05/05

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