

HOUS 2 BOU 310200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED
AT 310200 AUG 1973

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT 301550
LOCATIONS VALID AT 31 AUG 0000Z.

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
0203	N15W06	255	0120	C	16	07	BETA	
0208	N03W25	274	0020	B	03	20	BETA	
0209	S15E52	197	0350	D	08	34	BETA	
0211	S12E01	248	0010	B	04	11	BETA	
0212	N14E82	167	0080	H	00	01	ALPHA	
0213	N06W01	250	0010	-	04	--	BETA	

NOTE: MAGNETIC CLASSIFICATIONS INFERRED AT BOULDER EXCEPT FOR RGN
209 WHICH IS MT WILSONS CLASSIFICATION.

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 31 AUG 0000Z.

NMBR	LOCATION	LO
0207	N14E24	225

II. NONE

III. AREAS OF SPECIAL INTEREST:

REGIONS 209, 212 WILL LIKELY BE SUBFLARE CENTERS.

SOLTERWARN

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HFUS 1 BOU 310600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 243A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 31 AUG 1973

IA. SOLAR ACTIVITY IS LOW, THOUGH SUBFLARE FREQUENCY WAS HIGHER
DURING THE PAST 12 HOURS. THE SUBFLARES HAVE BEEN NON-ENERGETIC, AND
HAVE COME MOSTLY FROM REGIONS 209(S15E49) AND 212(N14E79). NEWLY
DEVELOPING REGION 213(N06W04) MAY BE SLOWING SOME IN ITS GROWTH.

IB. SEVERAL SUBFLARES ARE EXPECTED FROM REGIONS 209 AND 212, WITH
ONLY AN OCCASIONAL SMALL FLARE FROM OTHER DISK REGIONS. THE ROTATION
OF REGION 212 FURTHER ONTO THE DISK THROUGH THE DAY SHOULD ALLOW
BETTER EVALUATION OF ITS POTENTIAL FOR ENERGETIC FLARE ACTIVITY.
AT PRESENT, NOTHING ON THE SOLAR DISK INDICATES A VERY HIGH PROB-
ABILITY OF ENERGETIC FLARE ACTIVITY.

II. THE GEOMAGNETIC FIELD PRESENTLY UNSETLED, CONTINUES TO QUIET
DOWN IN THE WAKE OF THE PAST FEW DAYS DISTURBANCE.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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HFUS 1 BOU 311300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 243B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1300Z 31 AUG 1973

IA. MINOR SOLAR ACTIVITY INCREASED SOMEWHAT DURING THE PAST 12 HOURS. REGION 209(S15E46) (WITH SLOW GROWTH IN WHITE LIGHT) PRODUCED SUBFLARES AT 0601 AND 0750 WITH MEASURABLE X-RAY EMISSION. A SMALL RADIO BURST WAS ALSO RECORDED DURING THE FIRST FLARE. REGION 212(N14E76) PRODUCED A SUBFLARE AT 0305 WHICH TRIGGERED SOME LIMB ACTIVITY IN THE TRAILING PORTION OF THE REGION. A MINOR RADIO NOISE STORM IS IN PROGRESS AT METER WAVELENGTHS.

IB. MINOR FLARE ACTIVITY SHOULD CONTINUE TO INCREASE. REGION 209 APPEARS TO HAVE THE POTENTIAL FOR CLASS M ACTIVITY, BUT SUCH EVENTS ARE EXPECTED TO BE INFREQUENT.

II. THE GEOMAGNETIC FIELD IS QUIETING, AND SOLAR PROTON FLUXES NEAR EARTH REMAIN AT BACKGROUND LEVELS.

III. EVENT PROBABILITIES 31 AUG - 02 SEPT

CLASS M 25/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7CM FLUX

OBSERVED 30 AUG 99

PREDICTED 31 AUG - 02 SEPT 102/104/105

90-DAY MEAN 31 AUG 86

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 AUG 21

ESTIMATED 30 AUG 11

PREDICTED 31 AUG-02 SEPT 08/08/08

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HFUS BOU 312210

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 243

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 31/2200Z AUGUST 1973

IA. RGNS 212 (N14E68) AND 209 (S15E41) HAVE BEEN RESPONSIBLE FOR MOST OF THE FLARE ACTIVITY DURING THE PAST 24 HOURS. RGN 212 IS A FAIR SIZE H TYPE GROUP AND IS SIMPLE IN MAGNETIC STRUCTURE. THE PLAGE APPEARS TO BE GROWING SLOWLY. THE MOST ENERGETIC OF THE SUB-FLARE ACTIVITY DURING THE PAST 24 HRS OCCURRED IN THIS RGN AT 311928 UT WITH A RADIO BURST THAT REACHED 47 FU ON 410 MHZ. RGN 209 NOW HAS A DELTA CONFIGURATION AND IS GROWING SLOWLY IN SPOT AREA. THE REMAINING DISK FEATURES ARE RELATIVELY SIMPLE AND STABLE.

IB. SOLAR ACTIVITY IS EXPECTED TO SLOWLY INCREASE THROUGHOUT THE NEXT 72 HOURS.

II. THE GEOMAGNETIC FIELD CONTINUES ITS TREND TOWARD QUIET CONDITIONS. GENERALLY QUIET CONDITIONS SHOULD PREVAIL THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 31-03 SEPT

CLASS M 30/35/55

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 AUG 108

PREDICTED 01-03 SEPT 111/113/114

90-DAY MEAN 31 AUG 87

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 30 AUG 14

ESTIMATED 31 AUG 11

PREDICTED 01-03 SEPT 08/07/06

SOLTERWARN

SPAN

BT