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HOUS 2 BOU 060200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED
AT 060200Z SEPT 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT 051535Z
LOCATIONS VALID AT 06 SEPT 0000Z.

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
0209	S15W25	191	0240	C	09	21	BETA	
0210	N22W34	200	0240	D	07	18	BETA	
0211	S12W90	247	0040	H	--	02	ALPHA	
0212	N14E03	163	0300	C	11	18	BETA-GAMMA-DELTA	
0215	S18E03	163	0100	E	10	21	BETA	
0219	S13E32	134	0090	E	12	34	BETA	

MAGNETIC CLASSIFICATIONS INFERRED AT BOULDER

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 06/0000Z.

NMBR LOCATION LO

0207 N15W62 229

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS:

RGN	IMP	BEGIN	MAX	END	CLASS
209	IN	050918Z	0922Z	0951Z	C4
215	SF	051319Z	1325Z	1337	C3
209	SN	051956Z	2010Z	2040Z	M1

NO X-RAY DATA ON FOLLOWING, BUT SID OBSERVED

212 SN 051830Z 1833Z 1849Z UNKNOWN

III. AREAS OF SPECIAL INTEREST:

REGION 219- A SECOND BIPOLAR GROUP HAS EMERGED WITHIN THIS REGION.

REGION 222- EMERGED WITH A SINGLE TYPE A SPOT AT N12W78 AS OF
06/0000Z.

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HFUS 1 BOU 060600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 249A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 06 SEPTEMBER 1973

IA. SOLAR ACTIVITY HAS BEEN MODERATE SINCE SDF REPORT 248. THE
ACTIVATION OF REGION 209(S15W27) WHICH FOLLOWED THE FLARE/DSD
IN REGION 212(N14E01) AT 1830Z CONTINUES. ALL OTHER REGIONS ARE
QUIET. DEKAMETRIC(WEAK) CONTINUUM CONTINUED THROUGH THE DAY.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT A MODERATE LEVEL,
WITH AN OCCASIONAL CLASS M EVENT POSSIBLE.

II. A MAGNETIC BAY AT 06/0300Z IS BELIEVED ASSOCIATED WITH DIS-
ORIENTED INTERPLANETARY FIELD OBSERVED BY PIONEER 9. ISOLATED
GEOMAGNETIC FIELD PERTURBATIONS ARE POSSIBLE FOR THE NEXT 36 HOURS.

III. EVENT PROBABILITIES 06 SEPT - 08 SEPT

CLASS M 75/60/60

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7CM FLUX

OBSERVED 05 SEPT 136

PREDICTED 06-08 SEPT 134/130/124

90-DAY MEAN 05 SEPT 89

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 04 SEPT 11

ESTIMATED 05 SEPT 14

PREDICTED 06-08 SEPT 12/12/10

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HFUS 1 BOU 061300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 249B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 06 SEPT 1973

IA. SOLAR ACTIVITY THE PAST 7 HOURS HAS BEEN DOMINATED BY SURGE ACTIVITY AT ABOUT N07 WEST LIMB. THE MOST ENERGETIC OF THESE REACHED MAXIMUM ABOUT 06/0913Z. AN X-RAY EVENT, PRESUMED TO BE ASSOCIATED, BEGAN AT 06/0910Z AND REACHED A TENTATIVE CLASS X1 MAXIMUM AT 07/0922Z. ONLY MINOR CENTIMETRIC RADIO BURSTS HAVE BEEN REPORTED. THE ACTIVITY IS ASSUMED TO HAVE ORIGINATED FROM DEPARTED REGION 203. THE MOST SIGNIFICANT DISK CHANGES APPEAR TO BE ADDITIONAL GROWTH IN THE INTERMEDIATE STRUCTURE OF REGION 219(S13E26).

IB. FREQUENT SMALL FLARES, ALONG WITH OCCASIONAL CLASS M EVENTS, ARE EXPECTED. PROBABLE FLARE SOURCES INCLUDE ACTIVE REGIONS 219, 212 AND 209.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED AND IS EXPECTED TO REMAIN UNSETLED THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 06 SEPT - 08 SEPT

CLASS M 75/75/75

CLASS X .05/.05/.05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7CM FLUX

OBSERVED 05 SEPT 136

PREDICTED 06-08 SEPT 135/135/134

90-DAY MEAN 05 SEPT 89

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 04 SEPT 11

ESTIMATED 05 SEPT 14

PREDICTED 06-08 SEPT 12/12/12

SOLTERWARN

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KBOU

HFUS BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 249

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 06 SEPTEMBER 1973.

IA. SOLAR ACTIVITY CONTINUES AT A MODERATE LEVEL WITH FREQUENT
SUBFLARE ACTIVITY, PRIMARILY FROM REGIONS 209 (S15W38) AND 212
(N14W09). A LARGE BRIGHT SURGE ON THE LIMB WAS OBSERVED AT
06/0913Z FROM DEPARTING REGION 213 (N08W90), EXTENDING .15 RADII
ABOVE THE LIMB. VELA X-RAY MEASUREMENTS INDICATE THAT THIS MAY
BE AN X1 EVENT. BECAUSE OF THE WEST LIMB LOCATION, THERE IS A
CHANCE THAT A SLIGHT PROTON ENHANCEMENT AND SMALL MAGNETIC DIS-
TURBANCE MAY BE OBSERVED NEAR THE END OF THE FORECAST PERIOD.
ALL REGIONS APPEAR MAGNETICALLY SIMPLE AND REGIONS 209 AND 212
APPEAR TO BE DECAYING IN WHITE LIGHT.

IB. SOLAR ACTIVITY SHOULD DECREASE DURING THE FORECAST PERIOD
ALTHOUGH SMALL CLASS M EVENTS ARE POSSIBLE FROM REGION 209, 212,
OR 219 (S12E19).

II. UNSETTLED GEOMAGNETIC CONDITIONS ARE EXPECTED THROUGH THE
PERIOD, POSSIBLY BECOMING SLIGHTLY ACTIVE BY THE END OF THE FORE-
CAST PERIOD.

III. EVENT PROBABILITIES 07 SEP - 09 SEP.

CLASS M 70/60/50

CLASS X 05/04/03

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 06 SEP 129

PREDICTED 07 SEP - 09 SEP 126/121/117

90-DAY MEAN 06 SEP 90

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 05 SEP 15

ESTIMATED 06 SEP 11

PREDICTED 07 SEP - 09 SEP 12/12/15

SOLTERWARN

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