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HOUS 2 BOU 010200

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

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT
31/1820Z. LOCATIONS VALID AT 01/0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0203 N15W26 259 0120 H 03 04 ALPHA

0207 N13E02 231 0010 A 01 02 ALPHA

0208 N02W37 270 0010 B 08 07 BETA

0209 S15E41 192 0410 D 08 33 DELTA

0211 S13W11 244 0010 B 05 07 BETA

0212 N14E68 165 0120 H 03 05 ALPHA

0213 N06W18 251 0020 B 07 11 BETA

MAGNETIC CLASS INFERRED AT BOULDER.

LO FOR 310000Z AUG REGION SUMMARY WERE INCORRECT.

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

NMBR LOCATION LO

214 N07W17 250

II. NONE.

III. NONE.

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HFUS 1 BOU 010600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 244A

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

IA. SOLAR ACTIVITY CONTINUES AT A LOW LEVEL. SEVERAL NON-ENERGETIC
SUBFLARES HAVE BEEN OBSERVED. REGION 212 (N14E72) APPEARS TO BE THE
MOST IMPRESSIVE DISK REGION.

IB. NO MAJOR ACTIVITY IS EXPECTED DURING THE NEXT 8 HOURS.

II. THE GEOMAGNETIC FIELD REMAINS UNSETTLED.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

SOLTERWARN

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HFUS 1 BOU 011325

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 244B

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

IA. SOLAR ACTIVITY INCREASED DURING THE PAST 12 HOURS. REGION 212 (N14E61) PRODUCED FIVE SUBFLARES, BUT NONE HAD ASSOCIATED X-RAY EMISSION. THE FLARE AT 0041Z WAS ASSOCIATED WITH A BRIGHT SURGE. REGION 213 (N06W25) PRODUCED THREE SUBFLARES; NONE WITH X-RAY EMISSION, BUT ONE AT 0728Z WAS ASSOCIATED WITH A DARK SURGE AND FILAMENT ACTIVATION. REGION 209 (S15E34) APPEARS STATIC, WITH ONLY ONE SUBFLARE. A NEW ACTIVE REGION (215, LOCATED AT S17E68) PRODUCED A FLARE AT 0642Z. ONLY ONE X-RAY BURST WAS RECORDED (AT 1047Z), AND NO OPTICAL ACTIVITY WAS REPORTED IN ASSOCIATION.

IB. MINOR FLARE ACTIVITY SHOULD CONTINUE AT CURRENT LEVELS. CLASS M ACTIVITY APPEARS LESS PROBABLE THAN YESTERDAY'S FLURRY OF ACTIVITY IN 209 SUGGESTED.

II. THE GEOMAGNETIC FIELD IS QUIET, AND IS EXPECTED TO REMAIN QUIET DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 01 SEPT - 03 SEPT

CLASS M 30/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 AUG 108

PREDICTED 01 SEPT - 03 SEPT 108/106/104

90-DAY MEAN 01 SEPT 86

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 30 AUG 14

ESTIMATED 31 AUG 11

PREDICTED 01 SEPT - 03 SEPT 08/08/08

SOLTERWARN

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HFUS BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 244

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 012200Z SEPT 1973

IA. SOLAR ACTIVITY CONTINUES A SLOW INCREASING TREND.

RGN 212 (N13 E58) PRODUCED A SUBFLARE NORMAL AT 010041Z THAT
HAD AN ASSOCIATED X-RAY EVENT THAT REACHED CLASS C-2 CRITERIA.
SEVERAL OTHER SUBFLARES HAVE ALSO OCCURRED IN RGN 212 BUT
NO OTHERS HAD ASSOCIATED X-RAY EMISSION. RGN 209 (S16 E27)
REMAINS THE LARGEST, MOST COMPLEX RGN ON THE DISK BUT HAS
BEEN ALMOST DORMANT IN BEHAVIOR SINCE YESTERDAY.

IB. A CONTINUED INCREASE IN FREQUENCY OF OCCURRENCE
IN FLARE ACTIVITY IS EXPECTED FOR THE NEXT 72 HOURS.

II. THE GEOMAGNETIC FIELD IS QUIET AND NO CHANGE IS EXPECTED
DURING THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 02-04-SEP

C CLASS M 30/35/35

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 SEP 113

PREDICTED 02-04 SEP 115/116/117

90-DAY MEAN 01 SEP 87

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 31 AUG 11

ESTIMATED 01 SEP 07

PREDICTED 02-04 SEP 07/06/06

SOLTERWARN

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