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HOUS 2 BOU 240200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
240200Z SEPT 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT
231400Z. LOCATIONS VALID AT 24 SEPT 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0227 N13W39 328 0020 H 01 01 ALPHA

0231 N04E06 283 0010 A 01 01 ALPHA

0234 N05E28 261 0110 H 02 02 ALPHA

0236 N14E34 255 0230 D 08 28 BETA

0239 N11E35 254 0010 A 01 01 ALPHA

MAGNETIC CLASSIFICATION FROM MT. WILSON.

IA. H-ALPHA PLACES WITHOUT SPOTS. LOCATIONS VALID AT 24 SEPT 0000Z.

NMBR LOCATION LO COMMENT

0226 S08W59 348

0228 S15W40 329

0240 S15E30 259 PRODUCED LARGE SUBNORMAL FLARE 23/1800Z

II. NONE.

III. NONE.

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HFUS 1 BOU 240600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 267A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 24 SEPTEMBER 1973

IA. SOLAR ACTIVITY HAS BEEN LOW WITH ONLY ONE NON-ENERGETIC FLARE
HAVING BEEN OBSERVED. THE FLARE, A IN IN NEW REGION 241 (N19E90),
WAS OBSERVED AT 24/0242Z.

IB. NO MAJOR ACTIVITY IS EXPECTED. SOLAR ACTIVITY MAY INCREASE WITH
THE NEW REGION MAKING ITS APPEARANCE.

II. THE GEOMAGNETIC FIELD CONTINUES TO BE ACTIVE.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

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HFUS 1 BOU 241300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 267B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 24 SEPTEMBER 1973

IA. SOLAR ACTIVITY HAS REMAINED LOW DURING THE PAST SEVEN HOURS.
REGION 236 (N14E27) PRODUCED A SUBNORMAL FLARE AT 24/0655Z AND
EXHIBITED DEVELOPMENT OF BOTH SPOTS AND PLAGE. REGION 241 (N19E85)
CONTAINS AN H-TYPE SPOT FOLLOWED BY A SMALL PLAGE AREA. REGION 241
PRODUCED A SUBNORMAL FLARE AT 24/0633Z. REDEVELOPMENT OF SPOTS AND
PLAGE IS UNDERWAY IN REGION 231 (N04W01). NO ENERGETIC FLARES HAVE
BEEN REPORTED.

IB. NO MAJOR ACTIVITY IS LIKELY. REGION 236 PROBABLY WILL PRODUCE
OCCASIONAL SUBFLARES AS DEVELOPMENT CONTINUES. REGION 241 MAY ALSO
PRODUCE SPORADIC SUBFLARES.

II. ACTIVE GEOMAGNETIC CONDITIONS HAVE CONTINUED. K INDICES AT BOULDER
DURING THE INTERVALS 0000-0300Z, 0300-0600Z, 0600-0900Z, AND
0900-1200Z WERE 5,5,5, AND 4 RESPECTIVELY.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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HFUS BOU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 267

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 24 SEPT 1973

IA SOLAR ACTIVITY HAS INCRESSED SOMEWHAT, PRIMARILY FROM REGION 236 (N14 E22) WHICH PRODUCED 7 NON ENERGETIC SUBFLARES DURING THE LAST 14 HOURS. THE REGION IS INCREASING IN BOTH WHITE LIGHT AND H-ALPHA AND HAS DEVELOPED A BETA-GAMMA MAGNETIC CONFIGURATION. REGION 231 (N04 W06) HAS ALSO BEEN GROWING AND PRODUCED A SUBFLARE AT 24/1800Z, BUT NOW APPEARS STABLE. NEW REGION 241 (N21 E77) PRODUCED TWO NON ENERGETIC FLARES EARLIER TODAY, INCLUDING A ONE NORMAL AT 28/0245Z.

IB. REGION 236 NOW APPEARS CAPABLE OF PRODUCING A SMALL CLASS M EVENT, AND WITH CONTINUED GROWTH IN THIS REGION, THE PROBABILITY OF AN ENERGETIC EVENT WILL INCREASE SOMEWHAT DURING THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE DURING THE LAST 24 HOURS. THE DISTURBANCE SHOULD DIMINISH SLOWLY BUT ACTIVE CONDITIONS ARE EXPECTED THROUGH THE FORECAST PERIOD, ESPECIALLY DURING LOCAL NIGHT HOURS.

III. EVENT PROBABILITIES 25 SEP-27 SEP

CLASS M 40/45/50

CLASS X 02/03/04

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 SEP 106

PREDICTED 25 SEP-27 SEP 109/111/115

90-DAY MEAN 24 SEP 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 SEP 40

ESTIMATED 24 SEP 20

PREDICTED 25 SEP-27 SEP 20/18/15

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