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HOUS 2 BOU 020200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
02/0200Z DEC 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT
01/1645Z. LOCATIONS VALID AT 02 DEC 0000Z.

NMBR LOCATION LO AREA Z LL NM MAG TYPE

0287 S09W56 156 0170 D 06 11 BETA

0292 S15W51 151 0015 C 05 03 BETA

0293 S09W80 180 0070 C 09 02 BETA

MAGNETIC CLASSIFICATION INFERRED AT BOULDER.

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 02/0000Z.

NMBR LOCATION LO

0289 S13W05 133

0294 N12E84 041

II. NONE.

III. AREAS OF SPECIAL INTEREST-

REGION 287.

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HFUS 1 BOU 020600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 336A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 02 DECEMBER 1973

IA. A FLARE IN REGION 292 (S17W55) AT 0153Z PRODUCED SMALL RF
BURSTS ON ALL THREE CHANNELS. THE FLARE WAS CLASSIFIED AS A SMALL
M FLARE. REGION 287 (S10W56) WAS ENHANCED BUT NO FLARES WERE
OBSERVED. THE LIMBS ARE QUIET.

IB. NO MAJOR ACTIVITY IS EXPECTED DURING THE NEXT 7 HOURS.

II. THE GEOMAGNETIC FIELD HAS REMAINED VERY QUIET.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

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HFUS 1 BOU 021300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 336B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 02 DECEMBER 1973

IA. ONLY ONE SUBFLARE HAS BEEN REPORTED SINCE 02/0600Z. THIS SUB-NORMAL EVENT OCCURRED IN REGION 292 (S15W58) AT 02/0908Z. LITTLE SIGNIFICANT CHANGE HAS BEEN OBSERVED IN ANY OF THE REGIONS ON THE DISK. SMALL SURGES HAVE BEEN OBSERVED AT N05W90 AND S09W90 WHERE REGIONS 291 AND 293 ARE PASSING OVER THE WEST LIMB.

IB. REGIONS 292 AND 287 ARE EXPECTED TO PRODUCE SPORADIC SUBFLARES AND MAY PRODUCE A CLASS M FLARE DURING THE THREE-DAY FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS REMAINED QUIET DURING THE PAST SEVEN HOURS. QUIET CONDITIONS PROBABLY WILL CONTINUE FOR AT LEAST 36 HOURS AND WILL BE FOLLOWED BY UNSETTLED CONDITIONS.

III. EVENT PROBABILITIES 02 DEC - 04 DEC

CLASS M 25/20/20

CLASS X 06/04/04

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 DEC 89

PREDICTED 02 DEC - 04 DEC 88/87/85

90-DAY MEAN 01 DEC 91

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 30 NOV 01

ESTIMATED AFR/AP 01 DEC 03/04

PREDICTED AFR/AP 02 DEC - 04 DEC 05/06 - 06/07 - 11/12

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OBSERVED FREDERICKSBURG 30 NOV 01

ESTIMATED AFR/AP 01 DEC 03/04

PREDICTED AFR/AP 02 DEC - 04 DEC 05/06 - 06/07 - 11/12

SOLTERWARN

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BT

HFUS BOU 022200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 336

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 02 DEC 1973

IA. SOLAR ACTIVITY HAS INCREASED TO A MODERATE LEVEL WITH REGION 292 (S13W70) PRODUCING 8 FLARES DURING THE LAST 24 HOURS INCLUDING TWO IMPORTANCE ONE NORMAL, X-RAY CLASS M1 (VELA) FLARES AT 02/0201Z AND 02/1518Z. A SUBNORMAL FLARE FROM THIS SAME REGION AT 20/2010Z ALSO REACHED X-RAY CLASS M1 AS MEASURED BY VELA. THIS REGION HAS SHOWN RAPID DEVELOPEMENT IN BOTH WHITE LIGHT AND H-ALPHA. IT RETAINS A SIMPLE BETA MAGNETIC CLASSIFICATION, BUT THE PROXIMITY OF THE LEADER SPOTS OF REGION 292 TO THE TRAILER SPOTS OF 287 (S09W73) RESULTS IN TIGHT MAGNETIC GRADIENTS. REGION 287 APPEARS TO BE DECLING RAPIDLY.

IB. SOLAR ACTIVITY SHOULD CONTINUE AT A MODERATE LEVEL FOR THE NEXT TWO DAYS WITH ADDITIONAL M CLASS FLARES LIKELY FROM REGION 292 AND A SMALL CHANCE OF AN X CLASS EVENT. SOLAR ACTIVITY SHOULD DECREASE BY THE END OF THE PERIOD AS THE REGION ROTATES OVER THE WEST LIMB.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND SHOULD CONTINUE QUIET FOR ANOTHER 24 HOURS, WITH UNSETTLED, THEN SLIGHTLY ACTIVE CONDITIONS EXPECTED DURING THE LATTER POSTION OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 03 DEC - 05 DEC

CLASS M 60/60/40

CLASS X 10/10/05

PROTON 10/10/10/

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 DEC 88

PREDICTED 03 DEC - 05 DEC 87/85/82

90-DAY MEAN 02 DEC 090

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 01 DEC 02

ESTIMATED AFR/AP 02 DEC 02/03

PREDICTED AFR/AP 03 DEC - 05 DEC 06/07 - 11/12 - 15/17

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HFUS BOU 022200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

KKQKKSDF NUMBER 336

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 02 DEC 1973

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PCAF GREEN

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OBSERVED 02 DEC 88

PREDICTED 03 DEC - 05 DEC 87/85/82

90-DAY MEAN 02 DEC ~~090~~ **NO**

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 01 DEC 02

ESTIMATED AFR/AP 02 DEC 02/03

PREDICTED AFR/AP 03 DEC - 05 DEC 06/07 - 11/12 - 15/17

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