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HOUS 2 BOU 110200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
11/0200Z MAR 1973

I. SUNSPOT DATA FROM BOULDER AT 10/1440Z.

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

051 S18W00 018 0100 H 02 07 ALPHA

053 S16W04 022 0010 B 02 07 BETA

054 N13W07 025 0080 C 08 09 BETA

055 S08E37 337 0550 D 09 26 BETA

056 S12E54 324 0080 H 02 02 ALPHA

057 S14E51 327 0010 B 02 07 BETA

MAGNETIC CLASSIFICATIONS FROM MT. WILSON

II. NONE

III. NONE

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HFUS 1 BOU 110600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 070A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 11 MARCH 1973

IA. NO CHANGE

IB. NO CHANGE

II. NO CHANGE

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

SPAN

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HFUS 1 BOU 111300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 070B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1300Z 11 MARCH 1973

IA. REGION 055 (S08E24) HAS PRODUCED FIVE SUBFLARES WITHIN THE PAST SEVEN HOURS. THE LAST TWO, AT 11/1124Z AND 11/1159Z, WERE OF IMPORTANCE SB. THE X-RAY CLASS OF THE 11/1124Z FLARE IS UNKNOWN BUT THE FLARE DID PRODUCE MINOR SHORT WAVE FADEOUTS. THE 11/1159Z FLARE WAS CLASS C9. A DELTA CONFIGURATION HAS APPARENTLY REFORMED IN THE TRAILER OF 055.

IB. CLASS M ACTIVITY IS POSSIBLE FROM REGION 055.

II. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY UNSETTLED. QUIET TO MILDLY UNSETTLED CONDITIONS ARE EXPECTED FOR THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 11-13 MARCH

CLASS M 40/40/40

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 MAR 111

PREDICTED 11-13 MAR 110/108/106

90-DAY MEAN 10 MAR 103

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 09 MAR 09

ESTIMATED 10 MAR 05

PREDICTED 11-13 MAR 05/06/10

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HFUS BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 070

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 11 MARCH 1973.

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE. REGION 055 (S07E21) HAS PRODUCED FREQUENT SUBFLARES AND BRIGHT/DARK SURGES FROM A SMALL ISLAND OF APPARENT FOLLOWER POLARITY AHEAD OF THE LEADER SPOTS. LESS FREQUENT ACTIVITY HAS ORIGINATED FROM A SIMILAR ISOLATED AREA IN THE TRAILER. X-RAY INTENSITIES HAVE REACHED CLASS C9 AND MAY HAVE EXCEEDED M THRESHOLDS. NEW BIPOLAR GROWTH HAS BEEN REPORTED IN THE CENTER OF REGION 054 (N11W24). MINOR DEVELOPMENT HAS BEEN REPORTED IN REGION 053 (S17W17) AND 57 (S13E30). WEAK NEW REGIONS HAVE APPEARED NEAR N08E55 AND S15E53.

IB. A LOW-TO-MODERATE LEVEL OF ACTIVITY IS EXPECTED. THE EXTREME LEADER OF REGION 055 WILL PROBABLY PRODUCE ADDITIONAL FLARES THAT MAY RANGE UP TO SMALL CLASS M BUT ACTIVITY THERE SHOULD DECLINE OVER THE NEXT FEW HOURS. SUBFLARE ACTIVITY MAY COMMENCE IN REGION 054 AS A RESULT OF THE GROWTH THERE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO MILDLY UNSETTLED AND IS EXPECTED TO REMAIN THE SAME FOR THE NEXT THREE DAYS. NIGHTTIME SUBSTORM ACTIVITY IS EXPECTED TO BE OF MODERATE INTENSITY OVER THE SAME PERIOD.

III. EVENT PROBABILITIES 12 MAR - 14 MAR.

CLASS M 40/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 11 MAR 115

PREDICTED 12 MAR - 14 MAR 116/116/115

90-DAY MEAN 11 MAR 103

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 10 MAR 06

ESTIMATED 11 MAR 06

PREDICTED 12 MAR - 14 MAR 06/10/08

SOLTERWARN

SPAN

BT