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KBOU

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

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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 UNSETLED. QUIET TO
MILDLY UNSETLED 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 UNSETLED 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