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HOUS 2 BOU 050200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
05/0200Z MAY 1973.

I. SUNSPOT DATA FROM BOULDER AT 05/1550Z.

NMBR	LOCATION	LO AREA	Z LL	NN MAG-TYPE
0092	S14E33	338	0380	F 16 47 BETA-GAMMA-DELTA
0093	S13E50	321	0010	A 01 01 ALPHA
0095	S15E75	296	0040	C 06 03 BETA
0096	S13W10	021	0010	B 04 06 BETA
0097	N10E33	338	0010	A 01 01 ALPHA

NOTE: MAGNETIC CLASSES INFERRED AT BOULDER

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS:

RGN	IMP	BEGIN	MAX	END	CLASS
092	ON	04/0437Z	0442	0459	S
092	ON	04/0609Z	0609	0637	S
092	IN	04/1507Z	1507	1610	M-1S

III. AREAS OF SPECIAL INTEREST:

REGION 092(S14E28) TRAILER PORTION OF GROUP.

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HFUS 1 BOU 050600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 125A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 05 MAY 1973.

IA. NO CHANGE

IB. NO CHANGE

II. NO CHANGE

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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HFUS BOU 051300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 125B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 05 MAY 1973

IA. ACTIVITY HAS INCREASED IN REGION 092/S14E22/ WITH CLASS M
X-RAY FLARES REPORTED AT 0451, 0524, 0702 AND 0925Z TODAY.
GROWTH CONTINUES IN THE TRAILING PART OF THIS REGION'S COMPLEX
'F' TYPE SPOT GROUP. THE REMAINING DISK REGIONS ARE SMALL AND
RELATIVELY STABLE.

IB. CLASS M FLARE ACTIVITY IS EXPECTED TO CONTINUE IN REGION
092. THE POSSIBILITY OF A CLASS X EVENT APPEARS TO BE
INCREASING.

II. THE GEOMAGNETIC FIELD IS QUIET AND QUIET CONDITIONS ARE
EXPECTED DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 05-07 MAY

CLASS M 70/80/80

CLASS X 15/20/20

PROTON 08/12/12

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 MAY 119

PREDICTED 05-07 MAY 122/124/125

90 DAY MEAN 04 MAY 103

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 MAY 09

ESTIMATED 04 MAY 07

PREDICTED 05-07 MAY 07/06/05

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HFUS BOU 051300
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 125B
JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 05 MAY 1973

IA. ACTIVITY HAS INCREASED IN REGION 092/S14E22/ WITH CLASS M
X-RAY FLARES REPORTED AT 0451, 0524, 0702 AND 0925Z TODAY.
GROWTH CONTINUES IN THE TRAILING PART OF THIS REGION'S COMPLEX
'F' TYPE SPOT GROUP. THE REMAINING DISK REGIONS ARE SMALL AND
RELATIVELY STABLE.

IB. CLASS M FLARE ACTIVITY IS EXPECTED TO CONTINUE IN REGION
092. THE POSSIBILITY OF A CLASS X EVENT APPEARS TO BE
INCREASING.

II. THE GEOMAGNETIC FIELD IS QUIET AND QUIET CONDITIONS ARE
EXPECTED DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 05-07 MAY

CLASS M	70/80/80
CLASS X	15/20/20
PROTON	J08/12/12
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	04 MAY 119
PREDICTED	05-07 MAY 122/124/125
90 DAY MEAN	04 MAY 103

V. GEOMAGNETIC A INDICES

OBSERVED	FREDERICKSBURG 03 MAY 09
ESTIMATED	04 MAY 07
PREDICTED	05-07 MAY 07/06/05

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HFUS BOU 052200

FROM SPACE ENVIRONMENT SERVICE CENTER BOULDER COLO

SDF NUMBER 125

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 05 MAY 1973

IA. SOLAR ACTIVITY HAS BEEN HIGH TODAY. RGN 092 (S13E16) PRODUCED A TWO BRILLIANT FLARE AT 1722Z WHICH CAUSED TOTAL SHORT WAVE FADES AT 10MHZ AND 18MHZ, MAJOR SUDDEN PHASE ANOMALIES, AND CENTIMETRIC RADIO BURSTS OF 160 FLUX UNITS AT 1415MHZ, 340 UNITS AT 2695MHZ, 445 UNITS AT 4995 MHZ, AND 640 UNITS AT 8800MHZ. X-RAY CLASSIFICATION IS GREATER THAN X1, AND X-RAY LEVELS WERE STILL AT M2 THRESHOLDS AT 1851Z. THE FLARE BEGAN SOUTH OF THE LEADER SPOT AT 1658Z AND DEVELOPED IN FOUR MAIN SEGMENTS TOWARD THE TRAILER, EXTENDING ABOUT 16 DEGREES IN LONGITUDE AND COVERING 11.9 SQUARE DEGREES AT MAXIMUM. A NEW BIPOLE RGN 098 (S12E32) HAS EMERGED EAST OF 092. OTHER REGIONS ON THE DISK ARE RELATIVELY UNIMPRESSIVE.

IB. SOLAR ACTIVITY WILL CONTINUE MODERATE TO HIGH WITH RGN 092 DOMINATING ACTIVITY AND STILL CAPABLE OF PRODUCING ENERGETIC EVENTS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TODAY AND IS EXPECTED TO REMAIN QUIET, BECOMING QUIET TO MILDLY UNSETLED NEAR THE END OF THE FORECAST PERIOD. EASTERN LOCATION OF THE 2B FLARE AT 1722Z AND THE ABSENCE OF A U SHAPE RADIO BURST INDICATE AN ASSOCIATED PROTON EVENT AND/OR GEOMAGNETIC STORM TO BE UNLIKELY.

III. EVENT PROBABILITIES 06 MAY - 08 MAY

CLASS M 90/90/90

CLASS X 20/20/20

PROTON 12/15/15

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 MAY 115

PREDICTED 06-08 MAY 117/119/121

90-DAY MEAN 05 MAY 103

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 04 MAY 08

ESTIMATED 05 MAY 04

PREDICTED 06-08 MAY 06/05/07

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