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KBOU

HOUS 2 BOU 170200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY

ISSUED AT 170200Z MAY 1973

I. SUNSPOT DATA FROM BOULDR AT 161455Z.

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

0103 N08E66 147 0190 D 07 32 BETA-GAMMA

0104 S09E14 199 0060 C 05 21 BETA

0105 N12E60 153 0050 H 01 01 ALPHA

NOTE-MAGNETIC TYPE CLASSIFICATIONS FROM BOULDER.

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS:

RGN	IMP	BEGIN	MAX	END	CLASS
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103	1N	16/0455Z	0503	0527	S
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		16/1345Z	1410	1418	S
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		16/1402Z	1421	1424	S
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III. AREAS OF SPECIAL INTEREST:

POSSIBLE ISOLATED POLE IN THE TRAILING PART OF REGION 103

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HFUS BOU 170600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 137A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 17 MAY 1973.

IA. SOLAR ACTIVITY REMAINS VERY LOW, WITH NO FLARES OBSERVED IN THE
PAST 8 HOURS.

IB. NO CHANGE

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE, AND IS EXPECTED TO
REMAIN ACTIVE THROUGHOUT THE FORECAST PERIOD. ATS-1 REPORTED A
MINOR LOW ENERGY (5-21 MEV) PROTON ENHANCEMENT, COMMENCING AT
16/2330Z AND SUBSIDING AT 17/0030Z.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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HFUS 1 BOU 171300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 137B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1300Z 17 MAY 1973

IA. SOLAR ACTIVITY HAS CONTINUED VERY LOW, WITH ONLY THREE SUB-FLARES OBSERVED IN THE PAST 24 HOURS (TWO FROM REGION 103 AND ONE FROM REGION 104, 16/1906Z). REGIONS 103 (N08E54) AND 105 (N12E47) ARE DIVIDED BY AN ACTIVE DARK FILAMENT. REGION 103, A BETA-GAMMA D-TYPE SPOT GROUP, HAS SHOWN MODERATE GROWTH IN ITS TRAILER SECTION. REGION 104 (S09E03) HAS APPARENTLY BEGUN TO DECAY.

IB. ACTIVITY IS EXPECTED TO BE LOW DURING THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE, BUT HAS SHOWN A SHARP DECLINE IN ACTIVITY DURING THE PAST SIX HOURS. THE FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 17 MAY - 19 MAY

CLASS M 30/30/30

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 MAY 88

PREDICTED 17 MAY - 19 MAY 90/92/96

90-DAY MEAN 16 MAY 101

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 MAY 27

ESTIMATED 16 MAY 25

PREDICTED 17 MAY - 19 MAY 20/20/20

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HFUS 1 BOU 171300

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SDF NUMBER 137B

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HFUS BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 137

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 17 MAY 1973

IA. SOLAR ACTIVITY HAS INCREASED IN THE LAST 24 HOURS. THREE 0N
FLARES IN REGION 103 OCCURRED AT 0528Z, 0702Z AND 1348Z. THE
0702Z FLARE WAS ACCOMPANIED BY MINOR X-RAY AND CM RADIO BURSTS. AN
IMPORTANCE ONE FLARE OCCURRED IN REGION 103 (N09E51) AT 1908Z.
IT WAS ACCOMPANIED BY A MODERATELY STRONG CM BURST, MODERATELY
STRONG SHORT-WAVE FADE UP TO 20 MHZ, AND MODERATELY STRONG
TYPE II AND WEAK TYPE IV DEKAMETRIC BURSTS. THIS FLARE OCCURRED
IN THE ISOLATED POLE IN THE TRAILING PORTION OF 103. THIS REGION
APPEARS MAGNETICALLY COMPLEX AND THE TRAILING PORTION HAS
THE POTENTIAL OF PRODUCING SIGNIFICANT ACTIVITY.

IB. ACTIVITY IS EXPECTED TO INCREASE SLIGHTLY THE NEXT 24 HOURS,
BUT REMAIN AT A MODERATE LEVEL.

II. THE GEOMAGNETIC FIELD IS UNSETTLED TO ACTIVE AND IS
EXPECTED TO REMAIN SO FOR THE NEXT 2-3 DAYS.

III. EVENT PROBABILITIES 18 MAY-20 MAY

CLASS M 60/60/60

CLASS X 10/10/10

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

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