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HOUS 2 BOU 050200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
05/0200 JAN 1973

I. SUNSPOT DATA FROM RAMEY AT 04/1300Z.

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

517 N08E13 142 0240 E 05 21 BETA

518 S11E09 146 0005 A 00 04 ALPHA

519 N14E41 114 0120 D 03 21 BETA-GAMMA

001 N19W45 200 0005 A 00 01 ALPHA

002 S15W17 172 0010 B 01 04 BETA

MAG CLASS INFERRED AT RAMEY

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN IMP BEGIN MAX END CLASS

571 IN 1254 1255 1340

III. AREAS OF SPECIAL INTEREST-

REGIONS 517 AND 519.

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HFUS 1 BOU 050600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 005A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 05JAN 1973

I. NO CHANGE

II. NO CHANGE

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

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HFUS 1 BOU

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 005B

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

IA. SOLAR ACTIVITY REMAINS AT A LOW LEVEL. ONLY THREE SUBFLARES
HAVE BEEN REPORTED THE PAST 15 HOURS. ADDITIONALLY TWO SMALL
CENTIMETER/XRAY BURSTS OCCURRED 05/0847Z AND 05/1128Z WITH NO
OPTICAL COUNTERPART REPORTED YET. EMISSION AND ABSORPTION FEATURES
HAVE GROWN IN THE LEADING POLARITY SECTION OF REGION 517(N08E02).
ONLY SLIGHT STRUCTURAL CHANGES HAVE OCCURRED IN REGION 519(N14E28).
BOTH THESE REGIONS HAVE "V-SHAPED" NEUTRAL LINES OPEN TO THE EAST.

IB. DESPITE THE LOW LEVEL OF ACTIVITY DURING THE PAST 48 HOURS,
A CLASS M EVENT IS EXPECTED DURING THE FORECAST PERIOD FROM
REGIONS 517 AND 519.

II. THE MAGNETIC FIELD HAS BEEN SLIGHTLY UNSETTLED. IT IS EXPECTED
TO REMAIN SLIGHTLY UNSETTLED FOR THE NEXT 12-18 HOURS AND THEN
BECOME QUIET.

III. EVENT PROBABILITIES 05 - 07 JAN

CLASS M 50/60/60

CLASS X 03/03/03

PROTON 01/03/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 JAN 114

PREDICTED 05 - 07 JAN 117/119/121

90-DAY MEAN 04 JAN 110

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 JAN 02

ESTIMATED 04 JAN 05

PREDICTED 05 - 07 JAN 07/05/03

SPAN

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HFUS BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 005

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 05 JAN 1973

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE LAST 24 HOURS.
TWO REGIONS, 517 /N08W07/ AND 519 /N15E22/ ARE RESPONSIBLE FOR
THE DOZEN C-CLASS SUBFLARES WHICH HAVE BEEN OBSERVED. REGION 517
APPEARS TO BE BEGINNING TO DISINTEGRATE. REGION 519 IS STILL GROWING
IN SIZE AND COMPLEXITY. NEW REGION 003 /S17E72/ IS APPARENTLY
RETURNING OLD REGION 500.

IB. REGION 517 PRODUCED SMALL M-CLASS FLARES DURING ITS GROWTH
STAGES AND IS THEREFORE QUITE LIKELY TO REPEAT THE PERFORMANCE
DURING ITS DECAY. REGION 519 HAS BEEN PRODUCING SUBFLARES ABOUT
EVERY 3 HOURS AND MAY BE CAPABLE OF AN M-CLASS EVENT MIDWAY
THROUGH THE FORECAST PERIOD. NEITHER REGION IS ESPECIALLY
LIKELY TO PRODUCE LARGE ENERGETIC FLARES AT THIS POINT.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED AND IS EXPECTED TO
BE UNSETTLED TO QUIET DURING THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 06 JAN -08 JAN

CLASS M 60/60/60

CLASS X 05/05/05

PROTON 03/03/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 JAN 117

PREDICTED 06-08 JAN 121/123/124

90-DAY MEAN 05 JAN 110

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 04 JAN 08

ESTIMATED 05 JAN 10

PREDICTED 06-08 JAN 07/05/07

SOLTERWARN

SPAN

BT