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HOUS 2 BOU 200200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT  
20/0200Z JAN 1973

I. SUNSPOT DATA FROM CANARY IS. AT 19/0920Z

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

008 N11E02 317 0200 H 04 11 ALPHA

011 S19W51 009 0040 D 07 03 BETA

012 S13W07 326 0030 D 06 03 BETA

013 N03W02 321 0000 B 03 04 BETA

014 N13E75 244 0000 A 00 01 ALPHA

MAGNETIC CLASSIFICATION FROM CANARY ISLANDS.

II. NONE

III. NONE

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HFUS 1 BOU 200600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 020A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 20 JANUARY 1973

IA. NO CHANGE.

IB. NO CHANGE.

II. GEOMAGNETIC ACTIVITY HAS INCREASED WITH A SECTOR BOUNDARY  
PASSAGE. GRADUAL DISTURBANCE WAS NOTED 19/2100Z AND AT 20/0230Z  
BOULDER READING WAS A K OF 5. THIS MINOR STORM IS EXPECTED TO  
CONTINUE FOR FROM 6-8 HOURS.

III. NO CHANGE.

IV. NO CHANGE.

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 18 JAN 02

ESTIMATED 19 JAN 08

PREDICTED 20-22 JAN 20/10/8

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HFUS 1 BOU

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 020B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 20 JAN 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW WITH ONLY 3 SUBFLARES REPORTED  
DURING THE LAST 24 HOURS. REGION 012(S13W22) CONTINUES SLOW  
DEVELOPMENT AND PRODUCED 2 SUBFLARES, BUT NOW APPEARS STABLE.  
REGION 008(N11W13) GREW RAPIDLY IN H ALPHA EARLY IN THE PERIOD  
AND HAS PRODUCED ONE SUBFLARE, BUT THIS REGION ALSO APPEARS  
STABLE. OTHER REGIONS ARE SMALL AND QUIET.

IB. SOLAR ACTIVITY SHOULD CONTINUE VERY LOW WITH SOME INCREASE  
IN NON ENERGETIC SUBFLARE ACTIVITY POSSIBLE FROM REGIONS 008 AND  
012.

II. THE GEOMAGNETIC FIELD HAS BECOME ACTIVE FOLLOWING AN APPARENT  
SECTOR BOUNDARY PASSAGE. UNSETTLED TO ACTIVE CONDITIONS SHOULD  
CONTINUE FOR THE NEXT 12 HOURS, WITH THE GEOMAGNETIC FIELD GRADUALLY  
BECOMING QUIET BY THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 20 JAN - 22 JAN

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 JAN 98

PREDICTED 20 JAN - 22 JAN 98/98/96

90-DAY MEAN 19 JAN 110

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 18 JAN 02

ESTIMATED 19 JAN 08

PREDICTED 20 JAN - 22 JAN 20/10/08

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HFUS BOU 202200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 020

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 20 JAN 1973

IA. FLARE ACTIVITY REMAINS LOW. REGIONS 012 /S13W22/ AND 014 /N12E57/ HAVE SHOWN SLOW GROWTH DURING THE PAST 24 HOURS. THE LATTER REGION IS NOW THE BRIGHTEST H-ALPHA FEATURE AND ITS SPOT GROUP IS A C-TYPE. REGION 008 /N11W14/ HAS STABILIZED.

IB. NON-ENERGETIC SUBFLARE ACTIVITY SHOULD INCREASE SLIGHTLY.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE AND ACTIVE PERIODS ARE LIKELY AGAIN DURING NIGHTTIME HOURS ON 21 JAN. A GRADUAL RETURN TO QUIET CONDITIONS IS EXPECTED BY THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 21 - 23 JAN

CLASS M 15/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 JAN 102

PREDICTED 21 - 23 JAN 102/103/104

90-DAY MEAN 20 JAN 110

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 19 JAN 09

ESTIMATED 20 JAN 19

PREDICTED 21 - 23 JAN 12/10/08

SOLTERWARN

SPAN

BT