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KBOU

HOUS 2 BOU 170200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT  
17/0200Z FEB 1973

I. SUNSPOT DATA FROM BOULDER AT 16/1630Z

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

029 N07W70 016 0020 H 01 01 ALPHA

030 N11W73 019 0050 H 02 01 ALPHA

034 S17E01 305 0250 D 07 11 BETA

037 S09E20 286 0030 C 05 08 BETA

MAGNETIC CLASSIFICATION FROM MOUNT WILSON.

II. NONE

III. NONE

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HFUS 1 BOU 170600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 048A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 17 FEBRUARY 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

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 048B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1300Z 17 FEBRUARY 1973

IA. SOLAR ACTIVITY HAS RETURNED TO A VERY LOW LEVEL WITH NO FLARES REPORTED DURING THE PAST 15 HOURS. REGIONS 034(S17W11) AND 037(S08E08) HAVE STABILIZED THEIR GROWTH AND HAVE BEEN INACTIVE. A NEW REGION IS EMERGING BEAR N11W06.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW.

II. THE GEOMAGNETIC FIELD WAS UNSETTLED FROM 16/1730Z TO 17/0900Z AND HAS SINCE BECOME QUIET. IT IS EXPECTED TO REMAIN QUIET TO UNSETTLED FOR THE BALANCE OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 17 - 19 FEB

CLASS M 35/25/25

CLASS X 03/02/02

PROTON 03/02/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 FEB 101

PREDICTED 17 - 19 FEB 100/98/97

90-DAY MEAN 16 FEB 104

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 FEB 07

ESTIMATED 16 FEB 08

PREDICTED 17 - 19 FEB 10/07/10

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HFUS BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 048

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 17 FEB 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW WITH ONLY FOUR C-CLASS SUBFLARES REPORTED DURING THE PAST 24 HOURS. BOTH REGIONS 034 /S17W17/ AND 037 /S08E03/ HAVE DECLINED SOMEWHAT. OLD REGION 030 /NW11/ HAS PRODUCED SOME SMALL SURGES AS IT TRANSITS THE WEST LIMB.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. THERE IS LITTLE LIKELIHOOD THAT EITHER REGION 034 OR REGION 037 CAN PRODUCE MORE THAN A THRESHOLD M-CLASS EVENT.

II. THE GEOMAGNETIC FIELD HAS BEEN MODERATELY UNSETTLED FOR THE PAST 24 HOURS. PIONEER 9 DATA SUGGEST THE MAGNETIC FIELD WILL BECOME QUIET BY 19 FEB. THE GEOMAGNETIC FIELD IS EXPECTED TO BECOME SLIGHTLY UNSETTLED AGAIN BY THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 18 FEB - 20 FEB

CLASS M 20/15/10

CLASS X 02/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 FEB 097

PREDICTED 18-210 FEB 095/094/092

90-DAY MEAN - 17 FEB 104

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 16 FEB 07

ESTIMATED 17 FEB 14

PREDICTED 18-20 FEB 07/05/08

SOLTERWARN

SPAN

BT