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HOUS 2 BOU 180200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT  
18/0200Z FEB 1973

I. SUNSPOT DATA FROM CANARY IS AT 17/0915Z.

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

034 S17W09 294 0200 C 08 10 BETA

037 S08E10 275 0080 D 05 20 BETA

040 N11W04 289 0010 A 00 01 ALPHA

MAGNETIC CLASSIFICATIONS INFERRED AT CANARY IS.

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

NONE

III. AREAS OF SPECIAL INTREST-

NONE

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HOUS 1 BOU 180600

FROM SPACE ENVIRONMET SERVICES CENTER BOULDER COLO

SDF NUMBER 049

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 18 FEBRUARY 1973

IA. NO CHANGE

IB. NO CHANGE

II. NO CHANGE

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

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HFUS 1 BOU 181300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 049B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 18 FEBRUARY 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. THERE HAS BEEN LITTLE CHANGE  
IN THE CURRENT DISK REGIONS.

IB. A CONTINUED LOW LEVEL OF ACTIVITY IS EXPECTED. FILAMENT ACTIVITY  
IN REGION 037 (S08W06) MAY BE A PRECURSOR OF FLARE ACTIVITY IN THE  
NEXT FEW HOURS. SUCH FLARES ARE NOT EXPECTED TO EXCEED MINIMAL  
CLASS M THRESHOLDS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. A WEAK SUBSTORM HAS BEEN  
IN PROGRESS SINCE ABOUT 18/1000Z. THE FIELD IS EXPECTED TO REMAIN  
QUIET TO UNSETTLED.

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 18-20 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

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HFUS BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 049

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 18 FEBRUARY 1973

IA. SOLAR ACTIVITY CONTINUED VERY LOW DURING THE LAST 24 HOURS. REGION 037 (S08W08) HAS SHOWED CONTINUED DECLINE AND NOW CONTAINS ONLY 2 SMALL LEADER POLARITY SPOTS. HOWEVER, AN ACTIVE DARK FILAMENT HAS BEEN OBSERVED ACROSS THE REGION MOST OF THE DAY. A PORTION OF THIS FILAMENT DISAPPEARED AT 18/2110Z AND A SMALL ONE BRIGHT FLARE IS CURRENTLY IN PROGRESS AT 2140Z. REGION 034 (S17W27) CONTINUES TO SHOW DECLINE IN THE MAIN SPOTS. HOWEVER, A STRONG ARCH FILAMENT SYSTEM, EMERGING TRAILER POLARITY SPOTS, AND SLIGHTLY REJUVINATED H ALPHA PLAGE HAVE BEEN OBSERVED 2-3 DEGREES NE OF THE LEADER.

IB. SOLAR ACTIVITY SHOULD CONTINUE VERY LOW. REGION 037 COULD PRODUCE ANOTHER SUBFLARE, BUT REGION 034 REMAINS THE MOST PROBABLE SOURCE OF ENERGETIC ACTIVITY. HOWEVER, UNLESS SIGNIFICANT DEVELOPMENT OCCURS, THE PROBABILITY OF AN M CLASS EVENT REMAINS LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED DURING THE LAST 24 HOURS AND IS EXPECTED TO BE QUIET TO UNSETTLED DURING THE FORECAST PERIOD WITH THE MOST DISTURBED CONDITIONS LIKELY AT THE END OF THE 72 HOUR FORECAST PERIOD.

III. EVENT PROBABILITIES 19 FEB - 21 FEB.

CLASS M 15/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 18 FEB 093

PREDICTED 19 FEB - 21 FEB 91/89/89

90-DAY MEAN 18 FEB 103

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 17 FEB 13

ESTIMATED 18 FEB 07

PREDICTED 19 FEB - 21 FEB 05/08/10

SOLTERWARN

SPAN

BT