

NNNN

KBOU

HOUS BOU 210200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT  
21/0200Z FEB 1973

I. SUNSPOT DATA FROM BOULDER AT 20/1700Z.

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

034 S16W54 308 0110 D 06 04 BETA

041 S17W09 263 0030 D 04 07 BETA

042 N09W80 334 0010 A 01 01 ALPHA

MAG-TYPE INFERRED AT BOULDER

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

NONE

III. AREAS OF SPECIAL INTEREST-

NONE

SOLTERWARN

SPAN

BT

NNNN

KBOU

HOUS BOU 210600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 052A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 21 FEBRUARY 1973

IA. NO CHANGE

IB. NO CHANGE

II. NO CHANGE

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

SPAN

BT

KBOU

HFUS 1 BOU 211300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 052B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 21 FEBRUARY 1973

IA. SOLAR ACTIVITY IS VERY LOW WITH ONE SUBFLARE REPORTED THE PAST  
15 HOURS. REGION 041 (S17W19) HAS A PLAGE OF MODERATE INTENSITY  
INDICATING SLOW GROWTH. A NEW BIPOLE REGION HAS EMERGED NEAR  
N08E62.

IB. SOLAR ACTIVITY WILL REMAIN LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. IT IS EXPECTED TO BE  
UNSETTLED FOR THE BALANCE OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 21-23 FEB

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 FEB 91

PREDICTED 21-23 FEB 91/91/91

90-DAY MEAN 20 FEB 103

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 19 FEB 08

ESTIMATED 20 FEB 05

PREDICTED 21-23 FEB 07/10/10

SOLTERWARN

SPAN

BT

NNNN

KBOU

HFUS BOU 212200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 052

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 21 FEB 1973.

IA. SOLAR ACTIVITY CONTINUES VERY LOW WITH ONLY ONE SUBFLARE  
REPORTED DURING THE LAST 24 HOURS. REGION 041 /S18W22/ IS NOW  
DECAYING IN WHITE LIGHT. NEW REGION 043 /S21E55/ DEVELOPED  
OVERNIGHT AND HAS SHOWN PLAGE FLUCTUATIONS TO NEAR FLARE  
INTENSITY. HOWEVER, THIS REGION HAS A SIMPLE BETA MAGNETIC  
CLASSIFICATION AND DOES NOT LOOK LIKE A LIKELY SOURCE OF ENERGETIC  
ACTIVITY.

IB. SOLAR ACTIVITY SHOULD REMAIN VERY LOW FOR THE NEXT 72 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE FOR THE LAST SIX HOURS  
AT MID LATITUDES WITH A GEOMAGNETIC SUBSTORM AT HIGH LATITUDES.  
ANCHORAGE REPORTED TWO K VALUES OF 6 BETWEEN 15Z AND 21Z. ACTIVE  
NIGHTTIME CONDITIONS AND UNSETTLED DAYTIME CONDITIONS ARE EXPECTED  
AT MID LATITUDES DURING THE NEXT 24 HOURS BECOMING UNSETTLED  
TO QUIET NEAR THE END OF THE 72 HOUR FORECAST PERIOD. GREATER  
ACTIVITY CAN BE EXPECTED AT HIGHER LATITUDES WITH SEVERAL ADDITIONAL  
K VALUES OF 5 OR 6 DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 22 FEB -24 FEB

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 FEB 092

PREDICTED 22 - 24 FEB 092/092/093

90-DAY MEAN 21 FEB 103

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 20 FEB 05

ESTIMATED 21 FEB 20

PREDICTED 22 - 24 FEB 15/10/08

SOLTERWARN

SPAN

BT