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HOUS 2 BOU 0120200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT  
12/0200 FEB 1973

I. SUNSPOT DATA FROM CANARY ISLANDS AT 11/0815Z.

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

029 N08E04 013 0190 D 04 13 BETA

030 N11W00 017 0200 D 04 04 BETA

031 N12W15 032 0060 D 08 14 BETA

033 S03E43 334 0010 H 00 01 ALPHA

034 S16E67 310 0120 C 03 03 BETA

035 N15E10 007 0020 C 02 07 BETA

MAGNETIC CLASSIFICATIONS INFERRED AT CANARY IS.

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

NONE

III. AREAS OF SPECIAL INTEREST-

NONE

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HOUS 1 BOU 0120600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 043

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 12 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 121300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 043B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 12 FEBRUARY 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. A NEW REGION HAS  
CROSSED THE EAST LIMB NEAR S09 AND A NEW REGION IS DEVELOPING NEAR  
N12E16.

IB. GENERALLY LOW ACTIVITY IS EXPECTED. ISOLATED SUBFLARES MAY  
REACH SMALL CLASS M INTENSITY.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO MILDLY UNSETTLED.  
QUIET CONDITIONS ARE EXPECTED FOR THE NEXT 72 HOURS WITH A  
RECURRENT TYPE DISTURBANCE BEGINNING THEREAFTER.

III. EVENT PROBABILITIES 12-14 FEB

CLASS M 30/30/30

CLASS X 02/02/02

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 FEB 104

PREDICTED 12-14 FEB 104/103/103

90-DAY MEAN 11 FEB 103

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 10 FEB 10

ESTIMATED 11 FEB 06

PREDICTED 12-14 FEB 05/04/03

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HFUS 2 BOU 121800

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

JOINT AESU/SESC EXTENDED PERIOD REPORT ISSUED AT 1800Z 12 FEB 1973.

THIS MESSAGE IN THREE PARTS.

PART I. THIS FORECAST ISSUED AT 1800Z EACH MONDAY IS VALID FOR A 27 DAY PERIOD. A 27-DAY MEAN VALUE OF 2800 MHZ FLUX IS GIVEN WITH THE INCLUSIVE DATES TO EXPECT SIGNIFICANT DEVIATIONS FROM THE MEAN.

A. THE FOLLOWING CATEGORIES ARE USED:

1. MUCH BELOW MEAN. FOR PERIODS WHEN THE DAILY VALUE IS FORECAST TO BE MORE THAN 20 PERCENT BELOW THE EXPECTED MEAN.

2. BELOW MEAN. FOR PERIODS WHEN THE DAILY VALUE IS FORECAST TO BE 10 TO 20 PERCENT BELOW THE EXPECTED MEAN.

3. ABOVE MEAN. FOR PERIODS WHEN THE DAILY VALUE IS FORECAST TO BE 10 TO 20 PERCENT ABOVE THE EXPECTED MEAN.

4. MUCH ABOVE MEAN. FOR PERIODS WHEN THE DAILY VALUE IS FORECAST TO BE MORE THAN 20 PERCENT ABOVE THE EXPECTED MEAN.

B. PART II INDICATES THE EXPECTED MEAN VALUE OF 2800 MHZ (10.7 CM) RADIO FLUX FOR THE ENTIRE PERIOD. WHEN APPROPRIATE, SIGNIFICANT DEVIATIONS FROM THE MEAN, WITH INCLUSIVE DATES TO EXPECT THESE DEVIATIONS, ARE GIVEN.

C. PART III GIVES THE EXPECTED SOLAR EVENT ACTIVITY FOR THE ENTIRE PERIOD. A RANGE IN THE NUMBER OF MINOR AND MAJOR EVENTS TO EXPECT DURING THE PERIOD IS GIVEN, USUALLY FOLLOWED BY AN APPROPRIATE REMARK INDICATING THE LIKELY PERIOD(S) TO EXPECT THE MOST ACTIVITY.

PART II. 27-DAY 2800 MHZ FLUX DENSITY FORECAST:

A. MEAN 102

B. SIGNIFICANT DEVIATIONS:

NONE

PART III. 27-DAY SOLAR EVENT FORECAST:

A. MINOR SOLAR EVENTS 02-05

MAJOR SOLAR EVENTS NONE

B. EXPECT MOST ACTIVITY:

13-18 FEB

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HFUS BOU 122220

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 043

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 12 FEB 1973

IA. SOLAR ACTIVITY HAS BEEN LOW. SMALL GROWTH HAS BEEN REPORTED  
IN REGION 029 (N08W18). CHROMOSPHERIC ACTIVITY HAS BEEN RE-  
PORTED AROUND S11E16 AND S10E70 TO E90.

IB. SMALL FLARES UP TO SMALL CLASS M INTENSITY ARE EXPECTED-  
MOST PROBABLY FROM REGION 029 AND REGION 037 (S08E72).

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET WITH UN-  
SETTLED PERIODS. THE FIELD IS EXPECTED TO REMAIN QUIET WITH  
ISOLATED UNSETTLED NIGHTTIME PERIODS ASSOCIATED WITH MINOR SUB-  
STORMS.

III. EVENT PROBABILITIES 13 FEB - 15 FEB

CLASS M 30/30/30

CLASS X 02/02/02

PROTON 01/02/02

PCAF GREEN

IV. OTTAWA 10.7CM FLUX

OBSERVED 12 FEB 109

PREDICTED 13-15 FEB 109/109/108

90-DAY MEAN 12 FEB 103

V. GEOMAGNETIC A-INDICES

OBSERVED FREDERICKSBURG 11 FEB 06

ESTIMATED 12 FEB 08

PREDICTED 13-15 FEB 05/05/10

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