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HOUS 2 BOU 020200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT 02/0200Z  
JULY 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT 01/1900.  
LOCATIONS VALID AT 02 JULY 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0157 S06E39 283 0010 C 09 08 BETA

0158 N13E50 272 03S0 C 11 -11 BETA

0159 S04E47 275 0010 A 01 01 ALPHA

IA. NONE.

II. NONE.

III. AREAS OF SPECIAL INTEREST-

REGION 158.

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HFUS 1 BOU 020601

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 183A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 02 JULY 1973

IA. SOLAR ACTIVITY CONTINUES AT A LOW LEVEL.

IB. NO MAJOR ACTIVITY IS EXPECTED.

II. THE GEOMAGNETIC FIELD REMAINS UNSETLED.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

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HFUS 1 BOU 021300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 183B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 02 JULY 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. ALL REGIONS HAVE BEEN STABLE  
THIS PERIOD.

IB. ACTIVITY IS EXPECTED TO REMAIN LOW, ALTHOUGH CLASS M EVENTS ARE  
POSSIBLE FROM REGION 158 (N13E42). INCREASING ACTIVITY IS POSSIBLE  
FROM REGIONS 157 (S06E32) AND 159 (S05E40).

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE TO UNSETLED THE PAST 12  
HOURS AND IS EXPECTED TO BE UNSETLED TO QUIET DURING THE FORECAST  
PERIOD.

III. EVENT PROBABILITIES 02 JUL - 04 JUL

CLASS M 60/65/65

CLASS X 03/03/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 JUL 88

PREDICTED 02 JUL - 04 JUL 93/93/93

90-DAY MEAN 01 JUL 98

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 30 JUN 27

ESTIMATED 01 JUL 13

PREDICTED 02 JUL - 04 JUL 11/11/11

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HFUS 2 BOU 021800

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

JOINT AFGWC/SESC EXTENDED PERIOD REPORT ISSUED AT 1800Z 02 JULY 73  
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 FORE-  
CAST 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 FORE-  
CAST 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 CLASS M AND CLASS X 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 94

B. SIGNIFICANT DEVIATIONS:

NONE

PART III. 27-DAY SOLAR EVENT FORECAST:

A. CLASS M SOLAR EVENTS 5-6

CLASS X SOLAR EVENTS NONE OR ONE

B. EXPECT MOST ACTIVITY:

14-19 JULY

24-28 JULY

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HFUS BOU 022200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 183

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 02 JULY 1973.

IA. SOLAR ACTIVITY HAS BEEN LOW WITH PRIMARILY LIME AND FILAMENT  
ACTIVITY REPORTED IN THE PAST 24 HOURS. REGION 158 (N13E37)  
HAS A COMPLEX NEUTRAL LINE AND POSSIBLE DELTA CONFIGURATION IN  
ITS LEADER. REGIONS 157 (S06E28) AND 159 (S04E36) SHARE A  
COMMON NEUTRAL LINE AND WITH GROWTH IN THE LAST 24 HOURS THEY  
HAVE BECOME MORE COMPLEX. REGION 159 PRODUCED THE ONLY FLARE,  
A SUBNORMAL AT 2105Z.

IB. OVERALL SOLAR ACTIVITY IS EXPECTED TO INCREASE AS A RESULT  
OF THE INCREASING COMPLEXITY OF ALL THREE REGIONS.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO QUIET AND IS  
EXPECTED TO CONTINUE SO THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 03 JUL - 05 JUL.

CLASS M 75/75/75

CLASS X 03/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 02 JUL 90

PREDICTED 03 JUL - 05 JUL 90/90/90

90-DAY MEAN 02 JUL 97

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 01 JUL 17

ESTIMATED 02 JUL 11

PREDICTED 03 JUL - 05 JUL 11/11/16

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