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KBOU

HOUS 2 BOU 040200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT 04/0200Z  
JULY 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT 031900.  
LOCATIONS VALID AT 04 JULY 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0157 S05E10 284 0010 B 05 02 BETA

0158 N13E24 270 0370 C 08 11 BETA-DELTA

0159 S05E18 276 0020 B 05 09 BETA

IA. NONE.

II. NONE.

III. AREAS OF SPECIAL INTEREST-

REGION 158.

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HFUS 1 BOU 040600  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 185A  
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 04 JULY 1973

IA. TWO SUBFLARES HAVE BEEN OBSERVED DURING THE PAST 8 HOURS--  
A ØN FROM REGION 158(N13E22) AND A ØB FROM 159(S05E16). REGION  
158 HAS BECOME MORE DYNAMIC IN THE PAST FEW HOURS. RESTRUCTUR-  
ING HAS OCCURRED IN REGION 159 AND ADDITIONAL DEVELOPMENT IN THIS  
AREA APPEARS LIKELY.

IB. INFREQUENT CLASS M EVENTS ARE EXPECTED FROM REGION 158  
DURING THE NEXT 72 HOURS. ENERGETIC ACTIVITY CAN BE EXPECTED  
FROM REGION 159 IN 24 TO 36 HOURS IF DEVELOPMENT CONTINUES.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET THE PAST 8 HOURS.  
QUIET CONDITIONS ARE EXPECTED TO CONTINUE FOR THE NEXT 24  
HOURS. THE FIELD WILL BECOME UNSETTLED DURING THE LATTER  
PART OF THE FORECAST PERIOD.

III. NO CHANGE  
IV. NO CHANGE  
V. NO CHANGE

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HFUS 1 BOUL 041300  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 185B  
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 04 JULY 1973

IA. REGION 159 (S05E12) CONTINUES SLOW GROWTH. OTHER REGIONS HAVE  
BEEN STABLE SINCE 0600Z.

IB. INFREQUENT CLASS M EVENTS ARE EXPECTED FROM REGION 158 (N13E18)  
DURING THE NEXT 72 HOURS. ENERGETIC ACTIVITY CAN BE EXPECTED FROM  
REGION 159 WITHIN 18 TO 30 HOURS IF DEVELOPMENT CONTINUES.

II. THE GEOMAGNETIC FIELD HAS BEEN ESSENTIALLY QUIET FOR THE PAST 15  
HOURS. QUIET CONDITIONS ARE EXPECTED FOR THE NEXT 18 HOURS CHANGING  
GRADUALLY TO UNSETTLED CONDITIONS.

III. EVENT PROBABILITIES 04 - 06 JUL

CLASS M	70/70/70
CLASS X	05/05/05
PROTON	01/01/01
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	03 JUL 90
PREDICTED	04 - 06 JUL 89/89/91
90-DAY MEAN	03 JUL 97

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG	02 JUL 12
ESTIMATED	03 JUL 11
PREDICTED	04 - 06 JUL 07/12/17
SOLTERWARN	
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HFUS BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 185

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 04 JULY 1973

IA. SOLAR ACTIVITY HAS BEEN LOW WITH ONLY NINE SUBFLARES OBSERVED DURING THE PAST 24 HOURS. REGION 158 (N13E12) HAS BEEN THE MOST ACTIVE. ITS NEUTRAL LINE HAS CHANGED AND NOW EXTENDS TO THE NORTH OF THE LEADER TO INCLUDE A PREVIOUSLY ISOLATED POSITIVE REGION. HOWEVER, A NEW, SMALL ISOLATED REGION OF NEGATIVE POLARITY SEEMS TO BE FORMING JUST EAST OF THE NEUTRAL LINE. REGION 159 (S05E06) HAS CONTINUED ITS REDEVELOPMENT BUT THE CONFIGURATION OF ITS NEUTRAL LINE AND ITS RELATION TO REGION 157 (S06W01) ARE STILL UNCERTAIN. REGION 157 NO LONGER HAS VISIBLE SPOTS.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE. REGION 158 CONTINUES TO HAVE POTENTIAL FOR M-CLASS EVENTS. DIM SCATTERED PLAGE AT ABOUT NE20 MAY MARK THE RETURN OF OLD REGION 131 WHICH WAS INACTIVE WHEN IT DEPARTED OVER THE EAST LIMB ON 20 JUNE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND IS EXPECTED TO CONTINUE SO THROUGH THE NEXT 24 HOURS AND BECOME UNSETTLED SHORTLY THEREAFTER.

III. EVENT PROBABILITIES 05-07 JUL

CLASS M 70/70/70

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 JUL 92

PREDICTED 05-07 JUL 91/92/93

90-DAY MEAN 04 JUL 97

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 03 JUL 11

ESTIMATED 04 JUL 04

PREDICTED 05-07 JUL 07/15/22

SOLTERWARN

SPAN

BT