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KBOU

HOUS 2 BOU 140200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT  
140200Z MAY 1973

I. SUNSPOT DATA FROM BOULDER AT 131830Z

NO SPOT GROUPS VISIBLE.

II. NONE

III. AREAS OF SPECIAL INTEREST-

N10 EAST LIMB FOR POSSIBLE RETURN OF 082.

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HFUS 1 BOU 140600  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 134A  
JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 14 MAY 1973  
IA. SOLAR ACTIVITY HAS BEEN LOW WITH NO SPOTS VISIBLE ON THE SOLAR  
DISK. THE LIMBS HAVE ALSO BEEN QUIET.  
IB. NO CHANGE  
II. A VERY SUDDEN COMMENCEMENT WAS OBSERVED AT 14/0054Z. THE GEO-  
MAGNETIC FIELD IS EXPECTED TO REMAIN DISTURBED FOR THE NEXT 24  
HOURS. A SMALL INCREASE IN PROTON COUNTS WAS OBSERVED FROM SATELLITE  
READOUTS IN THE 5-21 MEV RANGE DURING 14/0200Z - 14/0400Z.  
III. NO CHANGE  
IV. NO CHANGE  
V. GEOMAGNETIC A INDICES  
OBSERVED FREDERICKSBURG 12 MAY 08  
ESTIMATED 13 MAY 16  
PREDICTED 14 MAY - 16 MAY 40/30/25  
SOLTERWARN  
SPAN  
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HFUS 1 BOU 141300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 134 B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 14 MAY 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. NO SUNSPOTS ARE VISIBLE. A NEW REGION ARRIVING OVER THE EAST LIMB AT N12 IS THE MOST ACTIVE ON AN OTHERWISE QUIET DISK. THIS REGION, WHICH IS PROBABLE OLD REGION 082 RETURNING, HAS PRODUCED CORONAL STREAMERS AND SURGES.

IB. SOLAR ACTIVITY IS EXPECTED TO INCREASE AS THE NEW REGION AT N12E90 ROTATES INTO VIEW.

II. A VERY SUDDEN COMMENCEMENT WAS OBSERVED AT 14/0054Z. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN DISTURBED FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 14 MAY - 16 MAY

CLASS M 10/30/40

CLASS X 01/03/03

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 MAY 83

PREDICTED 14 MAY - 16 MAY 84/88/90

90-DAY MEAN 13 MAY 107

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 12 MAY 08

ESTIMATED 13 MAY 16

PREDICTED 14 MAY - 16 MAY 40/30/25

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HFUS 2 BOU 141915

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
JOINT AESU/SESC EXTENDED PERIOD REPORT ISSUED AT 1800Z 14 MAY 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 DENSITY  
IS GIVEN WITH THE INCLUSIVE DATES OF EXPECTED SIGNIFICANT  
DEVIATIONS FROM THE MEAN. SEE 07 MAY 1800Z FORECAST FOR  
DEFINITIONS.

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

- A. MEAN 101
- B. SIGNIFICANT DEVIATIONS:  
    BELOW MEAN 15-16 MAY

PART III. 27-DAY SOLAR EVENT FORECAST:

- A. CLASS M SOLAR EVENTS SIX-TEN  
        CLASS X SOLAR EVENTS ONE-TWO
- B. EXPECT MOST ACTIVITY:  
    15-25 MAY.

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KBOU

HFUS BOU 142200  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 134

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 14 MAY 1973

IA. SOLAR ACTIVITY REMAINS RELATIVELY LOW. ONLY ONE 'A' SPOT GROUP VISIBLE AT S09E43. THE NEW REGION 103 AT NE10 (OLD REGION 082) HAS PRODUCED SIGNIFICANT LIMB ACTIVITY IN THE FORM OF CORONAL RAIN, SURGES AND AN ACTIVE MOUND PROMINENCE. TWO OBSERVATORIES REPORTED SUBFLARES IN THIS AREA AT 1251Z AND 1433Z. LATEST REPORTS INDICATE THIS REGION HAS DECREASED IN INTENSITY AND ACTIVITY OVER EARLIER TODAY. OSO-7 OBSERVATIONS INDICATE THAT THE CORONA OVER THIS REGION IS STRONGLY ENHANCED AT 8.3-15A AND MODERATELY ENHANCED IN THE EUV. ONE OTHER SUBFLARE WAS REPORTED IN REGION 102 (N06W26) AT 1705Z.  
IB. ACTIVITY IS EXPECTED TO BE LOW TO MODERATE AS OLD REGION 082 CONTINUES TO ROTATE ONTO THE DISK. THE LOW ENERGY PROTON ENHANCEMENT FROM ATS1 WAS OBSERVED AGAIN TODAY.

II. THE GEOMAGNETIC FIELD IS ACTIVE FOLLOWING A MAJOR STORM WHICH BEGAN AS A GRADUAL COMMENCEMENT AT 131700Z. K-VALUES RAN AS HIGH AS SEVEN IN BOULDER FROM 140000Z TO 140600Z. THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETLED TO ACTIVE FOR THE NEXT SEVEN DAYS.

III. EVENT PROBABILITIES 15 MAY-17 MAY

CLASS M 20/30/40

CLASS X 01/03/03

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 MAY 87

PREDICTED 15 MAY-17 MAY 90/93/96

90-DAY MEAN 14 MAY 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 13 MAY 21

ESTIMATED 14 MAY 47

PREDICTED 15 MAY-17 MAY 33/25/25

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