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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 032.

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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

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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 GEO-
MAGNETIC 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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KBOU

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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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 ATSI 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 UNSETTLED 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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