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KBOU

HOUS 2 BOU 250200

JOINT AESU/SESC REGION AND ACTIVITY SUMMARY
ISSUED AT 25/0200Z MAY 1973.

I. REGIONS WITH SUNSPOTS. DATA FROM BOULDER
LOCATIONS VALID AT 25/0000Z.

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

0103 N11W47 150 0080 C 03 05 BETA

0110 N01E16 087 0010 B 03 03 BETA

0112 S11W11 124 0010 A 00 01 ALPHA

0113 S06E15 088 0010 B 06 06 BETA

0114 S03E02 101 0040 D 05 18 BETA

NOTE: MAG-TYPE INFERRED AT BOULDER

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 25/0000Z.

NMBR LOCATION LO

0107 S05E08 095

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS:

RGN	IMP	BEGIN	MAX	END	CLASS
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103	IN	23/2357Z	24/0003	24/0029	---
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III. AREAS OF SPECIAL INTEREST:

CORONAL ENHANCEMENT NORTHEAST LIMB.

IN ORDER TO MEET OPERATIONAL REQUIREMENTS OF THE ATM EXPERMENTS ABOARD SKYLAB A SECTION 1A WILL BE ADDED TO THE JOINT AESU/SESC REGION AND ACTIVITY SUMMARY ISSUED AT 0200Z DAILY. PART 1A WILL GIVE REGION NUMBERS LOCATIONS, AND CARRINGTON LONGITUDES FOR THOSE H-ALPHA PLAGES WITHOUT SPOTS WHICH THE ATM WILL BE STUDYING. A SINGLE SERIES OF REGION NUMBERS WILL BE USED FOR ALL REGIONS. LOCATIONS OF ALL REGIONS WILL BE ROTATED TO 0000Z ON THE DATE OF ISSUE. A SOLAR ROTATION RATE OF 0.55 DEG PER HR WILL BE USED TO ROTATE LOCATIONS FROM THE TIME OF OBSERVATION TO 0000Z THESE CHANGES WILL BE EFFECTIVE 25 MAY THROUGH THE END OF ATM OPERATIONS.

SOLTERWARN

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HFUS 1 BOU 250600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 145A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 250600Z MAY 1973.

IA. SOLAR ACTIVITY REMAINS LOW TO MODERATE. A CLASS C EVENT (1N, 0N)
WAS REPORTED AT 0152Z IN REGION 103. REGION 114(S03W02) CONTINUES
RAPID GROWTH AND COULD PRODUCE SIGNIFICANT ACTIVITY SOON.

IB. NO CHANGE

II. NO CHANGE

III. NO CHANGE

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 MAY 102.2

PREDICTED 25 MAY - 27 MAY 103/104/104

90-DAY MEAN 24 MAY 102

V. GEOMAGNETIC A INDICES

OBSERVED. FREDERICKSBURG 23 MAY 18

ESTIMATED 24 MAY 07

PREDICTED 25 MAY - 27 MAY 10/15/15

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KBOU HFUS 1 BOU 251300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 145B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 25 MAY 1973

IA. FLARE ACTIVITY SINCE OUR 24/2200Z MESSAGE HAS BEEN LIMITED
TO REGIONS 103 /N11W49/ AND 114 /S03E00/. DECAYING REGION 103
HAS BEEN MORE ACTIVE, PRODUCING CLASS C-6 AND C-5 SUBFLARES
AT 0152 AND 0655Z. THESE FLARES WERE APPARENTLY ASSOCIATED WITH
ACTIVITY IN THIS REGION'S NEUTRAL LINE FILAMENT. REGION 114,
LOCATED VERY NEAR THE NEUTRAL LINE OF OLD RGN 107, HAS SHOWN
MODERATE GROWTH. CONTINUED GROWTH SHOULD PRODUCE SIGNIFICANT
MAGNETIC GRADIENTS IN THIS COMPLEX.

IB. CLASS C FLARE ACTIVITY IS EXPECTED TO INCREASE WITH THE DEVELOP-
MENT OF RGN 114. SMALL CLASS M EVENTS ARE POSSIBLE.

II. THE GEOMAGNETIC FIELD IS QUIET. A SHORT-LIVED UNSETTLED
PERIOD IS EXPECTED DURING THE NEXT 24-48 HOURS.

III. EVENT PROBABILITIES 25 MAY -27 MAY

CLASS M 40/50/50

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 MAY 102

PREDICTED 25-27 MAY 103/104/104

90-DAY MEAN 24 MAY 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 MAY 18

ESTIMATED 24 MAY 03

PREDICTED 25 MAY - 27 MAY 06/12/10

SOLTERWARN

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NNNN

KBOU

HFUS BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 145

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 25 MAY 1973

IA. SOLAR ACTIVITY HAS BEEN LOW WITH SEVENTEEN FLARES DURING
THE PAST 24 HOURS. REGION 103 (N11W59) APPEARS TO BE DECLINING.
REGIONS 110 (N02E04), 112 (S10W21) AND 113 (S05E04) APPEAR
QUIET AND STABLE. REGION 114 (S02W08) HAS BEEN ACTIVE AND
APPEARS TO BE GROWING. A DELTA CONFIGURATION HAS BEEN OB-
SERVED IN THE TRAILER WHERE THERE IS PROBABLE INTERACTION WITH
OLD REGION 107.

IB. SOLAR ACTIVITY IS EXPECTED TO INCREASE DURING THE FORECAST
PERIOD. GROWTH OF REGION 114 INCREASES THE PROBABILITY OF
ENERGETIC ACTIVITY.

II. THE GEOMAGNETIC FIELD IS QUIET. A SHORT-LIVED UNSETTLED
PERIOD IS EXPECTED DURING THE NEXT 24-48 HOURS.

III. EVENT PROBABILITIES 26-28 MAY

CLASS M 50/50/60

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7CM FLUX

OBSERVED 25 MAY 102

PREDICTED 26-28 MAY 102/102/103

90-DAY MEAN 25 MAY 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 24 MAY 03

ESTIMATED 25 MAY 06

PREDICTED 26-28 MAY 08/08/08

SOLTERWARN

SPAN

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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 145

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CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

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OBSERVED 25 MAY 102

PREDICTED 26-28 MAY 102/102/103

90-DAY MEAN 25 MAY 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 24 MAY 03

ESTIMATED 25 MAY 06

PREDICTED 26-28 MAY 08/08/08

SOLTERWARN

SPAN

BT