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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
103	IN	23/2357Z	24/0003	24/0029	---

III. AREAS OF SPECIAL INTEREST:

CORONAL ENHANCEMENT NORTHEAST LIMB.

IN ORDER TO MEET OPERATIONAL REQUIREMENTS OF THE ATM EXPERIMENTS ABOARD SKYLAB A SECTION IA WILL BE ADDED TO THE JOINT AESU/SESC REGION AND ACTIVITY SUMMARY ISSUED AT 0200Z DAILY. PART IA 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 SECONDARS REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 250600Z MAY 1973.

IA. SOLAR ACTIVIY 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 DEVELOPMENT OF RGN 114. SMALL CLASS M EVENTS ARE POSSIBLE.

II. THE GEOMAGNETIC FIELD IS QUIET. A SHORT-LIVED UNSETLED 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

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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 UNSETLED  
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

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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 OBSERVED 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

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BT