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HOUS 2 BOU 190200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT  
19/0200Z MAY 1973

I. SUNSPOT DATA FROM BOULDER AT 18/1510Z

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

0103 N10E39 145 0240 D 08 47 GAMMA-DELTA

0104 S10W13 197 0030 A 01 05 BETA

0105 N12E32 152 0010 H 01 03 BETA

0106 S06E34 150 0010 A 01 01 ALPHA

MAGNETIC CLASSIFICATIONS FROM MT. WILSON.

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN IMP BEGIN MAX END CLASS

103 IN 18/1527Z 1529Z 1555Z M-2S

103 IN 18/2156Z 2200Z 2216Z S

III. AREAS OF SPECIAL INTEREST-

RGN 103.

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HFUS 1 BOU 190600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 139A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 19 MAY 1973

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 8 HOURS.

IB. NO CHANGE.

II. NO CHANGE.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

SOLTERWARN

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HFUS 1 BOU  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 139B  
JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 19 MAY 1973

IA. SOLAR ACTIVITY REMAINS MODERATE. A FEW SUBFLARES HAVE  
ORIGINATED IN THE 103/105 COMPLEX(N10E29/N12E25), WHICH IS  
THE MAIN SOURCE OF ACTIVITY. REGION 103 IS STILL CLASSIFIED  
MAGNETICALLY AS A DELTA. SURGES REPORTED ON THE EAST LIMB MAY  
HERALD THE RETURN OF OLD REGIONS 085 AND 087, BOTH OF WHICH  
ARE DUE BACK TODAY.

IB. DUE TO THE MAGNETIC COMPLEXITY OF REGION 103, ENERGETIC  
ACTIVITY IS STILL POSSIBLE.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE, AND  
IS EXPECTED TO REMAIN SO THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 19-21 MAY

CLASS M 80/80/80

CLASS X 15/15/15

PROTON 05/05/10

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 MAY 93

PREDICTED 19-21 MAY 96/99/102

90-DAY MEAN 18 MAY 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 17 MAY 22

ESTIMATED 18 MAY 25

PREDICTED 19-21 MAY 23/22/21

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HERALD THE RETURN OF OLD REGIONS 085 AND 087, BOTH OF WHICH  
ARE DUE BACK TODAY.  
IB. DUE TO THE MAGNETIC COMPLEXITY OF REGION 103, ENERGETIC  
ACTIVITY IS STILL POSSIBLE.  
II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE, AND  
IS EXPECTED TO REMAIN SO THROUGHOUT THE FORECAST PERIOD.  
III. EVENT PROBABILITIES 19-21 MAY  
CLASS M 80/80/80  
CLASS X 15/15/15  
PROTON 05/05/10  
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ESTIMATED 18 MAY 25  
PREDICTED 19-21 MAY 23/22/21  
SOLTERWARN  
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HFUS BOU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 139

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 19 MAY 1973

IA. ONLY NON-ENERGETIC ACTIVITY HAS BEEN REPORTED SINCE THE  
IMPORTANCE ONE NORMAL (CLASS M-7) FLARE AT 18/2153Z. THE H-ALPHA PLAGE  
IN REGIONS 103/105 (N10E21/N12E17) HAS DECREASED IN INTENSITY SINCE  
YESTERDAY, PROBABLY DUE TO A WEAKENING OF THE DELTA CONFIGURATION  
IN REGION 103'S MAIN SPOT. THE NORTH-SOUTH PORTION OF THE NEUTRAL  
LINE IN THIS COMPLEX HAS APPARENTLY MOVED TOWARD THE SPOT GROUP  
OF REGION 105. OLD REGIONS 085 AND 089 ARE FAINTLY VISIBLE NEAR THE  
SOUTHEAST LIMB.

IB. CLASS M FLARES ARE EXPECTED DURING THE FORECAST PERIOD, BUT  
ACTIVITY MAY DECREASE SLIGHTLY DUE TO CHANGES IN THE MAGNETIC  
CONFIGURATION OF THE 103/105 COMPLEX.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY ACTIVE. A GRADUAL  
RETURN TO UNSETTLED CONDITIONS IS EXPECTED DURING THE LATTER  
HALF OF THE 72 HR. FORECAST PERIOD.

III. EVENT PROBABILITIES 20-22 MAY

CLASS M 80/75/70

CLASS X 15/10/10

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 MAY 97

PREDICTED 20-22 MAY 100/102/104

90-DAY MEAN 19 MAY 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 18 MAY 26

ESTIMATED 19 MAY 20

PREDICTED 20-22 MAY 20/18/12

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IB. CLASS M FLARES ARE EXPECTED DURING THE FORECAST PERIOD, BUT ACTIVITY MAY DECREASE SLIGHTLY DUE TO CHANGES IN THE MAGNETIC CONFIGURATION OF THE 103/105 COMPLEX.

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