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KBOU

HOUS 2 BOU 310200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY

ISSUED AT 310200Z MAY 1973.

I. REGION WITH SUNSPOTS. DATA FROM BOULDER. LOCATIONS VALID AT 31/0000Z.

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

0114 S02W80 103 0060 H 01 01 ALPHA

0117 N15W43 069 0070 C 07 06 BETA

0120 N07W02 028 0010 B 03 03 BETA

NOTE: MAGNETIC CLASS FROM BOULDER SPECTROSCOPE.

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 31/0000Z.

NMBR LOCATION LO

0107 S07W76 099

0113 S06W62 088

0115 N13W23 049

0118 S12E48 338

0119 N11E28 358

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS:

NONE

III. AREAS OF SPECIAL INTEREST:

NONE

IN ORDER TO MEET OPERATIONAL REQUIREMENTS OF THE ATM EXPERIMENTS ABOARD SKYLAB A SECTION 1A 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.

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HFUS 1 BOU 310600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 151A

JOINT AESU/SESC SECONDARY REPORT OF OSOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 31 MAY 1973.

IA. SOLAR ACTIVITY CONTINUES AT A VERY LOW LEVEL. REGIONS 117  
(N17W46) AND 114 (S02W80) APPEAR TO BE DECAYING. NEW REGION 120  
(N07W05) IS SMALL AND DECLINING.

IB. NO CHANGE

II. NO CHANGE

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

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HFUS 1 BOU 311300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 151B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 31 MAY 1973

IA. SOLAR ACTIVITY CONTINUES TO BE VERY LOW. NON-ENERGETIC FLARES  
HAVE BEEN REPORTED ONLY IN REGION 117 (N15W46) AND IN A NEW REGION  
AT N15W70. LIMB ACTIVITY HAS BEEN REPORTED FROM BOTH SOUTHEAST AND  
NORTHEAST LIMBS.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE TO BE VERY LOW. WEST LIMB  
ACTIVITY SHOULD INCREASE AS REGION 114 (S02W83) APPROACHES THE LIMB.

II. THE GEOMAGNETIC FIELD IS QUIET. NO INCREASE IN ACTIVITY IS EXPECTED  
DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 31 MAY - 2 JUN

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 MAY 2588

PREDICTED 31 MAY - 2 JUN 86/84/82

90-DAY MEAN 30 MAY 102

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 MAY 04

ESTIMATED 30 MAY 02

PREDICTED 31 MAY - 2 JUN 05/05/05

SOLTERWARN

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HFUS BOU 312200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 151

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 31 MAY 1973.

IA. SOLAR ACTIVITY REMAINS VERY LOW WITH ONLY THREE NON-ENERGETIC SUBFLARES REPORTED TODAY. REGION 117 (N16W58) IS THE ONLY DISK REGION WITH VISIBLE SPOTS. A NEW SPOT HAS FORMED NEAR A FLUCTUATING PLAGE SEGMENT BELOW THIS REGIONS MAIN LEADER. REGION 114 HAS COMPLETED WEST LIMB TRANSIT. A NEW REGION APPEARS TO BE DEVELOPING NEAR N19W88.

IB. SOLAR ACTIVITY SHOULD REMAIN VERY LOW.

II. THE GEOMAGNETIC FIELD IS QUIET. A SLIGHT INCREASE IN ACTIVITY IS EXPECTED NEAR THE END OF THE 72 HOUR FORECAST PERIOD.

III. EVENT PROBABILITIES 01 JUN - 03 JUN.

CLASS M 15/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 31 MAY 85

PREDICTED 01 JUN - 03 JUN 84/83/83

90-DAY MEAN 31 MAY 102

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 30 MAY 02

ESTIMATED 31 MAY 03

PREDICTED 01 JUN - 03 JUN 05/05/10

SOLTERWARN

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SDF NUMBER 151

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