

NNNN

KBOU

HOUS 2 BOU 010200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY

ISSUED AT 01/0200Z JUNE 1973.

I. REGIONS WITH SUNSPOTS. DATA FROM BOULDER.

LOCATION VALID AT 010000Z.

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

0114 S02W94 104 0040 H -- 01 ALPHA

0117 N16W59 069 0050 C 07 04 BETA

0118 S12E35 335 ---- A -- 01 ALPHA

NOTE: MAG CLASSIFICATIONS INFERRED AT BOULDER.

IA. H-ALPHA PLACES WITHOUT SPOTS. LOCATION VALID AT 01/0000Z.

NMBR LOCATION LO

0115 N13W36 046

0119 N11E15 355

0121 N19W88 103

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 EXPERMENTS 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 PLACES 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

SPAN

BT

NNNN

KBOU

HFUS 1 BOU 010600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 152A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 01 JUNE 1973.

IA. SOLAR ACTIVITY CONTINUES AT A VERY LOW LEVEL WITH ONLY ONE
SUBFLARE THUS FAR TODAY. RGN 114 HAS MADE WEST LIMB TRANSIT AT S02.
RGN 117 (N16W62) HAS SHOWN MINOR ACTIVITY EAST OF THE LEADER SPOTS
BUT THE REGION CONTINUES TO DECLINE IN H-ALPHA. A POSSIBLE NEW
BIPOLE IS EMERGING AT S15W25.

IB. NO CHANGE

II. NO CHANGE

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

SPAN

BT

NNNN

KBOU

HFUS 1 BOU 011335

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 152B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 01 JUNE 1973

IA. SOLAR ACTIVITY CONTINUES TO BE VERY LOW, WITH ONLY ONE
(NON-ENERGETIC) FLARE REPORTED SINCE THE LAST PRIMARY REPORT.
THE LIMBS ARE SHOWING ACTIVITY WHERE REGION 117 (N16W65) IS NEARING
WEST LIMB.

IB. IT IS EXPECTED THAT SOLAR ACTIVITY WILL REMAIN VERY LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN VERY QUIET, BUT SHOULD RETURN
TO NORMAL QUIET VALUES (A'S OF 5 TO 8) DURING THE FORECAST PERIOD.

III. EVENT PROBABILITIES 01-03 JUNE

CLASS M 15/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

OTTAWA 10.7CM FLUX

OBSERVED 31 MAY 85

PREDICTED 01-03 JUNE 83/81/80

90-DAY MEAN 31 MAY 102

V. GEOMAGNETIC A-INDICES

OBSERVED FREDERICKSBURG 30 MAY 02

ESTIMATED 31 MAY 03

PREDICTED 01-03 JUNE 06/08/08

SOLTERWARN

SPAN

BT

NNNN

KBOU

HFUS BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 152

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 01 JUNE 1973.

IA. SOLAR ACTIVITY HAS BEEN VERY LOW THE LAST 24 HOURS WITH ONLY
THREE FLARES REPORTED. NO CHANGES HAVE BEEN REPORTED IN ANY
OF THE REGIONS.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW TO VERY LOW THE
NEXT 24 HOURS. OLD REGION 111 AT N12 (INACTIVE) WHICH DEVELOPED
ON THE WEST LIMB ON 22 MAY IS DUE BACK ON 3-4 JUNE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND IS EXPECTED TO BE QUIET
TO SLIGHTLY UNSETTLED THE NEXT 1-3 DAYS.

III. EVENT PROBABILITIES 02 JUNE - 04 JUNE

CLASS M 10/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 JUNE 83

PREDICTED 02 JUNE - 04 JUNE 83/83/82

90-DAY MEAN 01 JUNE 101

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 31 MAY 04

ESTIMATED 01 JUNE 04

PREDICTED 02 JUNE - 04 JUNE 06/08/10

SOLTERWARN

SPAN

BT