

NNNN

KBOU

HOUS 2 BOU 110200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
11/0200Z JAN 1973.

I. SUNSPOT DATA FROM RAMEY AT 10/1245Z

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

0517 N08W68 144 0160 H 04 04 ALPHA

0519 N13W34 110 0160 E 13 14 BETA

0003 S17E15 061 0020 H 01 02 ALPHA

0005 N14E44 032 0010 H 01 01 ALPHA

0006 S14E59 017 0020 C 06 03 BETA

NOTE: MAGNETIC CLASSIFICATIONS FROM MT WILSON.

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS:

NONE

III. AREAS OF SPECIAL INTEREST:

REGION 517 SHOULD BE WATCHED CLOSELY FOR FURTHER SPOT DEVELOPEMENT
NORTH OF THE LARGE LEADER SPOT WHICH COULD RESULT IN INCREASED
ACTIVITY.

SOLTERWARN

SPAN

BT

NNNN

NNNN

KBOU

HFUS 1 BOU 110600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDF NUMBER 011A

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 11 JAN 1973

IA. A CLASS M-8 EVENT OCCURRED IN REGION 517 AT 11/0040Z.
THE OPTICAL FLARE WAS IMPORTANCE 1B AND WAS ACCOMPANIED BY AN
ERUPTIVE PROMINENCE. A SHORT WAVE FADE LASTING 44 MINUTES
ACCOMPANIED THIS EVENT.

IB. NO CHANGE

II. THE GEOMAGNETIC FIELD REMAINS ACTIVE.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

SPAN

BT

NNNN
 KBOU
 HFUS 1 BOU
 FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
 SDF NUMBER 011B
 JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
 ISSUED 1300Z 11 JANUARY 1973
 IA. A CLASS M8 X-RAY EVENT RATED 1B OPTICALLY OCCURRED IN
 REGION 517(N08W83) AT 11/0040Z AND CAUSED A 44 MINUTE SWF. SOLAR
 ACTIVITY OTHERWISE HAS BEEN LOW. REGION 517 IS CONTINUING TO
 DECLINE IN WHITE LIGHT.
 IB. SOLAR ACTIVITY SHOULD CONTINUE AT A LOW LEVEL. FURTHER
 CLASS M ACTIVITY IS POSSIBLE FROM 517 BUT NOT LIKELY.
 II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE TO UNSETTLED FOR THE
 PAST 24 HOURS AND IS EXPECTED TO REMAIN SO FOR THE NEXT 24 HOURS.
 III. EVENT PROBABILITIES 11 - 13 JAN
 CLASS M 30/30/25
 CLASS X 01/01/01
 PROTON 02/02/01
 PCAF GREEN
 IV. OTTAWA 10.7 CM FLUX
 OBSERVED 10 JAN 107
 PREDICTED 11 - 13 JAN 107/106/107
 90-DAY MEAN 10 JAN 111
 V. GEOMAGNETIC A INDICES
 OBSERVED FREDERICKSBURG 09 JAN 13
 ESTIMATED 10 JAN 19
 PREDICTED 11 - 13 JAN 15/15/10
 SPAN
 BT

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 011

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200 Z 11 JAN 1972 3

1A. LIMB ACTIVITY FROM DEPARTING REGION 517(N08W90) PRODUCED A CLASS M-8 X-RAY BURST TODAY AT 0037Z AND A CLASS X-1 BURST AT 1747Z. BOTH EVENTS WERE ACCOMPANIED BY SIGNIFICANT SHORT WAVE FADES. CLASS C X-RAY EVENTS WERE ALSO OBSERVED AT 1532 AND 1855Z. REGION 519(N12WS6) HAS BEEN SLIGHTLY UNSTABLE DURING THE PAST FEW HOURS.

1B. REGION 517 HAS ALMOST COMPLETED LIMB TRANSIT, HOWEVER, ADDITIONAL ENERGETIC FLARES ARE POSSIBLE FROM THIS REGION DURING THE EARLY PART OF THE FORECAST PERIOD. A PROTON ENHANCEMENT IS EXPECTED ON 12 JAN DUE TO 1747Z LIMB EVENT.

11. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE. SIMILAR CONDITIONS ARE EXPECTED DURING THE NEXT 72 HOURS WITH A SLIGHT INCREASE OF ACTIVITY LIKELY ON 13 JAN.

III. EVENT PROBABILITIES

	12	-	14 JAN
CLASS M	50	/	30 / 25
CLASS X	05	/	02 / 01
PROTON	50	/	02 / 01
PCAF	RED		

IV. OTTAWA 10.7 CM FLUX

OBSERVED	11 JAN	106
PREDICTED	12 - 14 JAN	104 / 102 / 100
90-DAY MEAN	11 JAN	111

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG	10 JAN	21
ESTIMATED	11 JAN	17
PREDICTED	12 - 14 JAN	15 / 18 / 12