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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 DEVELOPMENT
NORTH OF THE LARGE LEADER SPOT WHICH COULD RESULT IN INCREASED
ACTIVITY.

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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 ACCCOMPANIED 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

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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 UNSETLED 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

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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

I A. 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 ACCCOMPANIED BY SIGNIFICANT SHORT WAVE FADES. CLASS C X-RAY EVENTS WERE ALSO OBSERVED AT 1532 AND 1855Z. REGION 519 (N12W56) HAS BEEN SLIGHTLY UNSTABLE DURING THE PAST FEW HOURS.

I B. 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 A 1747Z LIMB EVENT.

II. 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	/
CLASS X	05	/	02	/
PROTON	50	/	02	/
PCAF	RED			

IV. OTTAWA 10.7 CM FLUX	11	JAN	106
OBSERVED	12	-	14
PREDICTED	12	-	14
90-DAY MEAN		11	JAN

V. GEOMAGNETIC A INDICES	10	JAN	21
OBSERVED FREDERICKSBURG	12	-	14
ESTIMATED	11	JAN	17
PREDICTED	12	-	14