

NNNN

KBOU

HOUS 2 BOU 130200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
13/0200Z JAN 1973

I. SUNSPOT DATA FROM CANARY IS. AT 12/0900Z

NMBR LOCATION LO AREA Z LL NN MAG-TYPE

519 N13W67 119 0150 E 15 13 BETA

006 S14E33 019 0010 H 00 01 ALPHA

MAGNETIC CLASSIFICATIONS-

RGN 519 FROM MT. WILSON

RGN 006 INFERRED AT CANARY IS.

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN	IMP	BEGIN	MAX	END	CLASS
-----	-----	-------	-----	-----	-------

519	1B	12/1155Z	1204Z	1210Z	MS
-----	----	----------	-------	-------	----

519	1N	12/1210Z	1211Z	1300Z	M
-----	----	----------	-------	-------	---

519	1F	12/1713Z	1715Z	1726Z	C
-----	----	----------	-------	-------	--------------

519	1N	12/1816Z	1822Z	1840Z	MS
-----	----	----------	-------	-------	----

III. AREAS OF SPECIAL INTEREST-

MT. WILSON DATA INDICATES A MODERATE GRADIENT IN THE LEADING PART OF RGN 519.

SOLTERWARN

SPAN

BT

NNNN
KBOU
HFUS BOU 130600
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 013A
JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 13 JANUARY 1973
IA. NO CHANGE
IB. NO CHANGE
II. NO CHANGE
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 013B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 13 JANUARY 1973

IA. REGION 519(N13W80) HAS PRODUCED FOUR CLASS ONE FLARES IN THE
LAST 24 HOURS. OTHER REGIONS HAVE BEEN UNINTERESTING. OLD REGION
508(N13E78) HAS RETURNED AS A LARGE H TYPE GROUP.

IB. REGION 519 APPEARS CAPABLE OF ENERGETIC ACTIVITY BEFORE IT
COMPLETES WEST LIMB PASSAGE ON 14 JAN.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE. INTER-
MITTENT ACTIVE PERIODS ARE EXPECTED FOR THE NEXT 12 TO 24 HOURS.

III. EVENT PROBABILITIES 13 - 15 JAN

CLASS M 50/30/20

CLASS X 05/05/02

PROTON 10/05/02

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 JAN 107

PREDICTED 13 - 15 JAN 107/106/106

90-DAY MEAN 12 JAN 111

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 11 JAN 18

ESTIMATED 12 JAN 24

PREDICTED 13 - 15 JAN 16/12/10

SPAN

BT

KBOU

HFUX BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 013

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

IA. LIMB ACTIVITY CONSISTING OF SMALL SURGES AND ACTIVE
PROMINENCES IS OCCURRING IN THE NORTHWEST AS REGION 519 ROTATES
OFF THE DISK. A SMALL CLASS M X-RAY BURST AT 0449Z TODAY WAS
PROBABLY ASSOCIATED WITH THIS REGION. REGION 008 /N12E80/ IS NOW
COMPLETELY ON THE VISIBLE DISK. ITS SPOT GROUP IS A TYPE H AND ITS
ASSOCIATED OSO-7 EUV FLUX HAS DECLINED SINCE WEST LIMB PASSAGE
ON 29 DECEMBER.

IB. SMALL CLASS M ACTIVITY IS POSSIBLE FROM REGION 519 DURING THE
EARLY PART OF THE FORECAST PERIOD.

II. THE GOEMAGNETIC FIELD IS UNSETLED AND UNSETTLED CONDITIONS
ARE EXPECTED DURING THE NEXT 72 HOUR PERIOD.

III. EVENT PROBABILITIES 14 - 16 JAN

CLASS M 45/25/20

CLASS X 03/02/01

PROTON 03/02/01

PCFC GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 JAN 106

PREDICTED 14 - 16 JAN 105/103/105

90-DAY MEAN 13 JAN 111

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 12 JAN 20

ESTIMATED 13 JAN 12

PREDICTED 14 - 16 JAN 10/10/08

SOLTERWARN

SPAN

BT
