

NNNN
KBOU
HFUS 1 BOU 020600
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 002A
JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 02 JAN 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 021300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 002B

JOINT AESU/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1300Z 02 JANUARY 1973

IA. SOLAR ACTIVITY REMAINS AT A LOW LEVEL. REGION 517 /N07E40/ STILL RETAINS BETA GAMMA CONFIGURATION BUT ACTIVITY IN THIS REGION IS MINIMAL. OTHER REGIONS ARE SIMPLE MAGNETICALLY.

IB. A CLASS M EVENT IS POSSIBLE FROM REGION 517 DURING THE FORECAST PERIOD. OLD REGION 500 IS DUE BACK LATE 03 JANUARY NEAR SE19.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. THE FIELD IS EXPECTED TO REMAIN QUIET, BECOMING UNSETLED THE LATTER PART OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 02-04 JAN

CLASS M 45/45/45

CLASS X 03/03/03

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 JAN 97

PREDICTED 02-04 JAN 99/101/105

90-DAY MEAN 01 JAN 109

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 31 DEC 12

ESTIMATED 01 JAN 10

PREDICTED 02-04 JAN 02/04/10

SPAN

BT

NNNN

NNNN

KBOU

HFUS BOU 022200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 002

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 02 JAN 1973

IA. SOLAR ACTIVITY HAS BEEN LOW. SMALL SECTIONS OF REGION 517 /N08E37/ HAVE FLUCTUATED NEAR FLARE INTENSITY MOST OF THE DAY. HELIOMAGNETOGRAPHS SHOW SMALL AREAS OF MAGNETIC COMPLEXITY IN BOTH THE LEADER AND FOLLOWER. A SMALL NEW REGION HAS APPEARED AND GROWN RAPIDLY NEAR N14W22. LIMB ACTIVITY IS BEING REPORTED NEAR SW15 WHERE REGION 516 IS ROTATING AWAY FROM VIEW.

IB. OCCASIONAL FLARES TO MODERATE CLASS M INTENSITY ARE EXPECTED FROM REGION 517. THE REGION IS UNSTABLE AND LONG TERM PREDICTIONS ARE STILL DIFFICULT. IT MAY DECAY AWAY OR EMERGING NEW FLUX MAY PRODUCE INCREASED FLARE POTENTIAL. DESPITE ITS RAPID AND IMPRESSIVE GROWTH THE NEW N14 W22 REGION DOES NOT APPEAR TO HAVE POTENTIAL FOR DEVELOPING INTO A SOURCE OF MAJOR FLARES.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET SINCE 01/1200Z. IT IS EXPECTED TO REMAIN QUIET UNTIL AN INFERRED SECTOR BOUNDARY PASSES IN THE NEXT 24-36 HOURS. THE RESULTING UNSETTLED PERIOD SHOULD BE SHORT, LASTING ON THE ORDER OF 1-2 DAYS.

III. EVENT PROBABILITIES 03 JAN-05 JAN

CLASS M 50/45/40

CLASS X 05/05/05

PROTON 01/01/02

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 JAN 102

PREDICTED 03-05 JAN 104/106/109

90-DAY MEAN 02 JAN 109

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 01 JAN 08

ESTIMATED 02 JAN 02

PREDICTED 03-05 JAN 08/12/10

NOTE- THE 02/0200Z REGION AND ACTIVITY SUMMARY WILL LIST 1973 SEQUENCE NUMBERS FOR CURRENT DISK REGIONS.

SOLTERWARN

SPAN

BT

NNNN

KBOU

HOUS 2 BOU 030200

JOINT AESU/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
03/0200Z JAN 1973

I. SUNSPOT DATA FROM RAMEY AT 02/1240Z
NMBR LOCATION LO AREA Z LL NN MAG-TYPE
517 N07E40 141 0300 E 05 21 BETA-GAMMA
518 S11E34 147 0005 A 00 03 ALPHA
519 N14E66 115 0030 C 02 07 BETA
001 N19W19 200 0005 B 00 04 BETA
002 S15E08 173 0005 B 00 03 BETA

MAG CLASS AND SPOT DATA FOR REGION 001 FROM MT. WILSON

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-
NONE

III. AREAS OF SPECIAL INTEREST-

REGION 517 MAGNETIC OBSERVATIONS SHOW A SMALL ISOLATED SPOT
OF LEADER POLARITY IN THE AREA WITH PREDOMINATELY FOLLOWER
SPOTS.

SOLTERWARN

BT