

KBOU

HOUS 2 BOU 140200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
14/0200Z OCT 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT
13/1600Z. LOCATIONS VALID AT 14 OCT 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0255 N13W20 045 0020 B 04 03 BETA

0257 S06E43 342 0010 A 01 01 ALPHA

MAGNETIC CLASSIFICATIONS FROM MT. WILSON.

IA. NONE.

II. NONE.

III. AREAS OF SPECIAL INTEREST-

REGION 255 HAS REVERSED POLARITIES.

SOLTERWARN

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KBOU

HFUS 1 BOU 140600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 287A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 14 OCTOBER 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS. THE
TWO REGIONS ON THE VISIBLE DISK ARE STABLE AND QUIET.

IB. NO MAJOR ACTIVITY IS EXPECTED DURING THE NEXT SEVEN HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND IS EXPECTED TO BE QUIET.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

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KBOU

HFUS 1 BOU 141300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 287B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 14 OCTOBER 1973

IA. SOLAR ACTIVITY CONTINUES VERY LOW WITH NO FLARES REPORTED DURING THE LAST 36 HOURS. REGION 255 (N13W27) CONTINUES WITH REVERSED POLARITY AND HAS SHOWN OCCASIONAL POINT BRIGHTENINGS, BUT LITTLE GROWTH HAS BEEN NOTED. AN ACTIVE PROMINENCE AND SMALL SURGES ON THE NE LIMB MAY INDICATE THE RETURN OF OLD REGION 231 AT N05, BUT THE LACK OF SIGNIFICANT X-RAY OR EUV ENHANCEMENTS ON THE OSO-7 MAPS SUGGESTS THAT THIS IS NOT A VERY ACTIVE REGION.

IB. SOLAR ACTIVITY SHOULD CONTINUE VERY LOW THROUGH THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET DURING THE LAST 24 HOURS AND IS EXPECTED TO REMAIN QUIET THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 14 OCT - 16 OCT

CLASS M 03/04/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 OCT 71

PREDICTED 14 OCT - 16 OCT 72/74/75

90-DAY MEAN 13 OCT 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 12 OCT 12

ESTIMATED 13 OCT 15

PREDICTED 14 OCT - 16 OCT 07/07/07

SOLTERWARN

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KBOU

HFUS BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 287

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 14 OCT 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW WITH MINOR SUBFLARE ACTIVITY
IN REGION 225 (N13W34) ASSOCIATED WITH DARK SURGES AROUND THE
LEADER. THOUGH THE REGION HAS SMALL AND SIMPLE SPOT STRUCTURE,
MAGNETOGRAMS STILL CONFIRM REVERSED MAGNETIC POLARITIES.

IB. ACTIVITY IS EXPECTED TO REMAIN LOW. THE EVENTS AROUND THE LEADER
OF 225 PROBABLY MARKS THE EMERGENCE OF A SLIGHTLY MORE COMPLEX
STRUCTURE THAT WILL MEAN THE PRODUCTION OF SUBFLARES THAT ARE NOT
EXPECTED TO REACH CLASS M THRESHOLDS. ACTIVE LONGITUDES ARE DUE TO
BEGIN RETURNING TO THE VISIBLE DISK ON 15 OCTOBER. THE FIRST
RETURNING REGION IS DUE TO BE 231, DUE EARLY ON THE 15TH. 231 WAS
SIMPLE AND DECAYING AS IT APPROACHED WEST LIMB.

II. GEOMAGNETIC ACTIVITY HAS BEEN UNSETTLED. IT IS EXPECTED TO
REMAIN NEAR QUIET LEVELS THROUGH 16 OCTOBER AND THEN INCREASE TO
STORM LEVELS BY 20-21 OCTOBER.

III. EVENT PROBABILITIES 15 OCT-17 OCT

CLASS M 10/05/04

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 OCT 73

PREDICTED 15-17 OCT 75/79/82

90-DAY MEAN 14 OCT 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 13 OCT 18

ESTIMATED 14 OCT 05

PREDICTED 15-17 OCT 10/08/10

SOLTERWARN

SPAN

BT