

KBOU

HOUS 2 BOU 280200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
280200Z AUG 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT
271440Z. LOCATIONS VALID AT 280000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0193 N12W64 349 0010 B 07 09 BETA

0203 N14E27 258 0110 H 02 01 ALPHA

~~0207 0208~~ N15E60 225 0000 A 00 01 ALPHA

0208 N02E17 268 0020 B 06 17 BETA

MAGNETIC CLASSIFICATIONS INFERRED AT BOULDER.

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 280000Z.

NMBR LOCATION LO COMMENT

0195 N05W58 343

0197 S05W14 299

0201 N12E02 283

0209 RESERVED FOR POSSIBLE RETURN OF 183

II. NONE.

III. NONE.

SOLTERWARN

SPAN

BT

NNNN

NNNN

KBOU

HFUS BOU 280600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 240A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 28 AUGUST 1973

IA. SOLAR ACTIVITY CONTINUES AT A VERY LOW LEVEL. REGION 208 (N02E17) IS THE MOST INTERESTING DISK FEATURE AND HAS SHOWN SOME GROWTH.

IB. NO MAJOR ACTIVITY IS EXPECTED DURING THE NEXT 8 HOURS.

II. THE GEOMAGNETIC FIELD CONTINUES TO BE DISTURBED WITH GREATEST ACTIVITY DURING NIGHT TIME AND EARLY MORNING HOURS BOULDER TIME.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

SPAN

BT

KBOU

HFUS BOU 281300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 240B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 28 AUGUST 1973

IA. SOLAR ACTIVITY REMAINS VERY LOW, WITH NO FLARES OBSERVED TODAY.
ARCH FILAMENTS ARE VISIBLE IN REGION 208 (N02E10), WHERE SLIGHT
GROWTH HAS BEEN EVIDENT. THE REMAINDER OF THE DISK HAS BEEN
PREDOMINANTLY STABLE, AND WITH THE EXCEPTION OF SMALL SURGES AT
N13 AND S10 ON THE EAST LIMB, THE LIMBS HAVE BEEN QUIET.

LATE REPORTS INDICATE A LARGE SPOT ROTATING ONTO THE DISK NEAR
S16E89. DETAILED ANALYSIS IS IMPOSSIBLE AT THIS TIME. THIS MAY BE
ASSOCIATED WITH OLD REGION 183.

IB. NO MAJOR ACTIVITY IS EXPECTED, AS SOLAR ACTIVITY SHOULD REMAIN
VERY LOW.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE, WITH A DECREASE IN THE
LEVEL OF ACTIVITY ANTICIPATED DURING THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 28-30 AUG

CLASS M 15/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 AUG 93

PREDICTED 28-30 AUG 95/97/95

90-DAY MEAN 27 AUG 86

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 26 AUG 16

ESTIMATED 27 AUG 18

PREDICTED 28-30 AUG 14/10/08

SOLTERWARN

SPAN

BT

NNNN

KBOU

HFUS BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 240

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 282200Z AUGUST 1973

IA. THE FOCUS OF INTEREST HAS SHIFTED TO THE SOUTHEAST LIMB WHERE A LARGE SPOT GROUP IS ROTATING OVER THE LIMB NEAR SE15 (RGN 209). THIS SPOT IS THOUGHT TO BE A NEW GROUP IN ASSOCIATION WITH THE PLAGE OF OLD RGN 183. IN SPITE OF THIS RECENT OCCURRENCE, SOLAR ACTIVITY HAS CONTINUED AT A VERY LOW LEVEL. RGN 208 (N03 E04) REMAINS FAIRLY BRIGHT IN H-ALPHA AND THE SPOT GROUP IS GROWING SLIGHTLY WHILE RGN 193 (N13 W81) IS DECAYING IN ALL OPTICAL PARAMETERS.

IB. SOLAR ACTIVITY SHOULD CONTINUE AT A LOW LEVEL; HOWEVER, AN INCREASE IN FLARE ACTIVITY CAN BE ANTICIPATED IN CONJUNCTION WITH ADDITIONAL DEVELOPMENT IN RGN 208 AND CONTINUED LIMB PASSAGE OF RGN 209.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE BUT A TREND TOWARD QUIET TO UNSETLED CONDITIONS IS EXPECTED DURING THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 29-31-AUGUST

CLASS M 15/25/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 AUG 96

PREDICTED 29-31 AUG 97/98/98

90-DAY MEAN 28 AUG 86

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 27 AUG 19

ESTIMATED 28 AUG 20

PREDICTED 29-31 AUG 14/10/10

SOLTERWARN

SPAN

BT