

NNNN

KBOU

HOUS 2 BOU 090200

JOINT AFGWC/SESC REGION AND ACTIVITY SUMMARY

ISSUED AT 090200 AUG 1973

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT 081425Z

LOCATIONS VALID AT 09 AUG 0000Z

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0183 S10W20 197 0050 C 06 06 BETA

0185 N07W43 220 0110 D 10 26 BETA-GAMMA

0186 S07E28 149 0010 B 06 09 BETA

NOTE: MAGNETIC CLASSIFICATIONS INFERRED AT BOULDER

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 09 AUG 0000Z

NMBR LOCATION LO

0184 N13W71 248

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS:

NONE

III. AREAS OF SPECIAL INTEREST:

RGN 185

SOLTERWARN

SPAN

BT

NNNN

KBOU

HFUS 1 BOU 090600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 221A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 09 AUG 1973

IA. NO CHANGE

IB. NO CHANGE

II. NO CHANGE

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

SPAN

RT

HFUS 1 BOU 091300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 221B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 9 AUGUST 1973

IA. REGION 185 (N07W49) REMAINS THE MOST SIGNIFICANT REGION BUT  
DEVELOPMENT AND FLARE PRODUCTION HAVE DECREASED. REGION 184 (N13W77)  
IS DEVELOPING AND PRODUCING AN OCCASIONAL SUBFLARE, BUT REMAINS  
SMALL. OTHERWISE THE DISK AND LIMBS ARE RELATIVELY QUIET.

IB. NO CHANGE

II. NO CHANGE

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

SPAN

BT 10.7 CM FLOW

08 AUG 85

PREDICTED 09-11 AUG 84/84/85

90 DAY MEAN 08 AUG 89

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
SDF NUMBER 221

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 09 AUGUST 1973.

IA. SOLAR ACTIVITY HAS BEEN MODERATE. AT 09/1554Z, AN X-RAY CLASS M-2 FLARE ORIGINATED IN REGION 185 (N07W55). THIS FLARE WAS ACCOMPANIED BY SHORTWAVE FADES, AND MODERATE RADIO BURSTS ON ALL CHANNELS, THE LARGEST BEING 604 FLUX UNITS AT 245 MHZ. THIS REGION HAS ALSO PRODUCED SEVERAL SUBFLARES TODAY, TWO OF WHICH WERE CLASSIFIED AS C-2 X-RAY EVENTS. THIS REGION IS STILL QUITE MAGNETICALLY COMPLEX. REGION 184 (N14W82) HAS ALSO GENERATED A FEW SUBFLARES, BUT NONE OF THESE HAVE YIELDED X-RAYS. SPOT GROWTH IS REPORTED HERE, BUT EXTENSIVE ANALYSIS IS NOT POSSIBLE AS THE REGION NEARS THE WEST LIMB. MINOR SURGE ACTIVITY HAS ALSO BEEN OBSERVED MOST OF THE DAY IN THIS REGION. REGIONS 183 AND 186 (S09W34/S08E14) HAVE BEEN STABLE AND QUIET.

IB. M CLASS EVENTS ARE POSSIBLE DUE TO THE CONTINUING MAGNETIC COMPLEXITY OF REGION 185. ALSO WATCH FOR ACTIVITY ON THE WEST LIMB NEAR N14, AS REGION 184 MAKES ITS TRANSIT.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED. IT SHOULD REMAIN UNSETTLED UNTIL ABOUT 11 AUGUST, WHEN RECURRENCE SUGGESTS THAT IT WILL BECOME SLIGHTLY ACTIVE. IT SHOULD RETURN AGAIN TO UNSETTLED CONDITIONS NEAR THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 10 AUG - 12 AUG.

CLASS M 50/45/40

CLASS X 05/04/03

PROTON 05/04/03

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 09 AUG 85

PREDICTED 10 AUG - 12 AUG 84/84/83

90-DAY MEAN 09 AUG 89

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 08 AUG 11

ESTIMATED 09 AUG 08

PREDICTED 10 AUG - 12 AUG 10/16/14

SOLTERWARN

SPAN

BT