

HOUS 2 BOU 080200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
08/0200Z AUG 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT
07/1350Z. LOCATIONS VALID AT 08 AUG 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0183 S09W06 196 0060 C 06 03 BETA

0185 N06W30 220 0140 D 09 38 DELTA

0186 S07E42 148 0010 B 04 03 BETA

MAGNETIC CLASSIFICATIONS INFERRED AT BOULDER.

IA. H-ALPHA PLACES WITHOUT SPOTS. LOCATIONS VALID AT 08 AUG 0000Z.

NMBR LOCATION LO

0176 N21W80 271

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN IMP BEGIN MAX END CLASS

185 IN 07/1846Z 1849Z 1915Z C3

III. AREAS OF SPECIAL INTEREST-

REGION 185

SOLTERWARN

SPAN

BT

NNNN

KBOU

HFUS 1 BOU 080600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 220A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 08 AUG 1973

IA. RECONFIGURATION CONTINUES IN REGION 185 (N06W33).

IB. NO CHANGE.

II. NO CHANGE.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

SOLTERWARN

SPAN

BT

NNNN

KBOU

HFUS 1 BOU 081300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 220B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 08 AUGUST 1973

IA. REGION 185 (N06W36) REMAINS INTERESTING AND CONTINUES SLOW
GROWTH AND RECONFIGURATION. AN APR/EPL WAS REPORTED AT 0400Z AT
N13-18W85. OTHERWISE THE DISK IS INACTIVE.

IB. NO CHANGE

II. NO CHANGE

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

SPAN 10 CM FLUX

BT 07 AUG 88

08-10 AUG 90/89/89

90 DAY MEAN 07 AUG 89

HFUS BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 220

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 08 AUGUST 1973

IA. SOLAR ACTIVITY REMAINS LOW TO MODERATE, ALTHOUGH THE NUMBER OF FLARES HAS SIGNIFICANTLY DECREASED SINCE YESTERDAY. REGION 185 (N07W41) IS STILL THE MOST COMPLEX REGION ON THE DISK. CONSIDERABLE SPOT DECAY IN THE CENTRAL PORTION AND A DECREASE IN THE PLAGE INTENSITY HAVE OCCURRED HERE IN THE PAST 24 HOURS. AN OPTICAL CLASS IN FLARE ORIGINATED IN THIS REGION WITH MAX AT 1709Z, AND AN OPTICAL CLASS SUB-NORMAL, MAX AT 1915Z, WITH RADIO BURSTS OF 27 FLUX UNITS AT 600 MHZ, AND 65 FLUX UNITS AT 1415 MHZ, WERE THE TWO MOST NOTEWORTHY FLARES GENERATED TODAY. MINOR ACTIVITY WAS NOTED IN REGION 183 (S10W18), AND SLIGHT GROWTH HAS OCCURRED IN REGION 186 (S07E30). PROMINENCE ACTIVITY HAS BEEN OBSERVED ON BOTH LIMBS, WITH THE WEST LIMB ACTIVITY ATTRIBUTED TO THE TRANSIT OF REGION 176. IB. THERE IS STILL AN EVEN CHANCE OF M CLASS EVENT FROM REGION 185. ALTHOUGH FAIRLY QUIET TODAY, THIS REGION STILL EXHIBITS CONSIDERABLE ENERGETIC POTENTIAL.

II. UNSETTLED CONDITIONS HAVE PREVAILED IN THE GEOMAGNETIC FIELD TODAY, AND ARE EXPECTED TO CONTINUE WITH A SLIGHT INCREASE IN ACTIVITY, FOR THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 09-11 AUG

CLASS M 50/50/50

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 AUG 85

PREDICTED 09-11 AUG 84/84/85

90-DAY MEAN 08 AUG 89

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 07 AUG 08

ESTIMATED 08 AUG 10

PREDICTED 09-11 AUG 11/12/13

SOLTERWARN 9 10 11

MAINTAINED