

NNNN

KBOU

HOUS 2 BOU 120200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT  
120200 SEPT 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT  
11/1640.

LOCATIONS VALID AT 12 SEPT 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0212 N13W77 167 0300 H 03 01 ALPHA

0219 S10W46 137 0010 B 06 13 BETA

0224 S09W65 156 0030 B 04 19 BETA

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT  
12 SEPT 0000Z.

NMBR LOCATION LO COMMENT

0215 S17W72 160

0225 N14E43 044 DIM PLAGE FIRST VISIBLE ON SEPT 9TH

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS:

RGN IMP BEGIN MAX END CLASS

224 0B 11/0655 0704 0740 M1

III. AREAS OF SPECIAL INTEREST:

INTERESTING LOOP PROMINENCE SYSTEM OBSERVED AT NW23-FLARE NOT  
OBSERVED.

SPAN

BT

NNNN

KBOU

HFUS 1 BOU 120600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 255A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0600Z 12 SEP 1973

IA. SOLAR ACTIVITY HAS REMAINED LOW DURING THE PAST EIGHT HOURS, AND NO FLARES HAVE BEEN REPORTED. AN INTERESTING LOOP PROMINENCE SYSTEM WAS OBSERVED AT N23W90 DURING THE INTERVAL 11/2048-2235Z. BRIGHT BEADS AND STREAMERS WERE OBSERVED UP TO .04 SOLAR RADIUS ABOVE THE LIMB, BUT NO ASSOCIATED FLARE, X-RAY EVENT, OR RADIO BURST WAS REPORTED. THIS LIMB FEATURE MAY BE ASSOCIATED WITH REGION 210, WHICH HAS PASSED OVER WEST LIMB. ALL REGIONS ON THE VISIBLE DISK ARE STABLE OR DECLINING.

IB. N/C

II. N/C

III. N/C

IV. N/C

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 10 SEP 21

ESTIMATED 11 SEP 13

PREDICTED 12-14 SEP 07/05/08

KGFF/PASS HATM/APOLLO TELESCOPE MOUNT HOUSTON TX

SPAN

BT

NNNN  
KBOU

HFUS 1 BOU 121300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 255B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 12 SEPTEMBER 1973

IA. SOLAR ACTIVITY HAS CONTINUED AT A VERY LOW LEVEL, WITH ONLY ONE  
SUBFLARE REPORTED DURING THE LAST 16 HOURS. ALL REGIONS STABLE OR  
DECLINING.

IB. ACTIVITY IS EXPECTED TO REMAIN LOW, ALTHOUGH REGION 224 (S09W71)  
REMAINS CAPABLE OF ISOLATED CLASS M ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETLED AND IS EXPECTED  
TO REMAIN SO THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 12 SEP - 14 SEP

CLASS M 40/40/30

CLASS X 05/02/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 SEP 96

PREDICTED 12 SEP - 14 SEP 91/89/89

90-DAY MEAN 11 SEP 91

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 10 SEP 21

ESTIMATED 11 SEP 13

PREDICTED 12 SEP - 14 SEP 07/05/08

SOLTERWARN

SPAN

BT

NNNN

KBOU

HFUS BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 255

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 12 SEPTEMBER 1973.

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. THREE SUBFLARES OF FAINT  
INTENSITY HAVE BEEN OBSERVED DURING THE PAST 24 HOURS. THE THREE  
ACTIVE REGIONS VISIBLE ARE DECAYING AS THEY APPROACH WEST LIMB.  
REGION 219 (S10W60), THE EASTERNMOST REGION VISIBLE, WILL CROSS  
WEST LIMB ON 15 SEPTEMBER. PROMINENCE AND MINOR SURGE ACTIVITY  
HAVE BEEN OBSERVED ON THE EAST AND WEST LIMBS. EXTREME ULTRA-  
VIOLET EMISSION FROM THE EAST LIMB IS INCREASING BUT NO ACTIVE  
REGIONS ARE VISIBLE ON THE EAST LIMB.

IB. SOLAR ACTIVITY WILL CONTINUE TO DECLINE AS THE VISIBLE REGIONS  
DEPART. SOLAR MINIMUM LIKE CONDITIONS WILL EXIST BY 16 SEPTEMBER  
UNLESS NEW ACTIVE REGIONS DEVELOP ON THE DISK OR SIGNIFICANT  
REGIONS CROSS EAST LIMB. PREVIOUSLY INACTIVE REGION 193 (N13) MAY  
RETURN EARLY 13 SEPTEMBER. NO OTHER REGIONS ARE DUE TO RETURN  
BEFORE 19-20 SEPTEMBER.

II. THE GEOMAGNETIC FIELD HAS VARIED FROM QUIET TO MILDLY ACTIVE  
DURING THE PAST 24 HOURS. GENERALLY QUIET CONDITIONS ARE EXPECTED  
FOR THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 13 SEP - 15 SEP.

CLASS M 30/25/15

CLASS X 05/02/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 12 SEP 88

PREDICTED 13 SEP - 15 SEP 84/81/80

90-DAY MEAN 12 SEP 91

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 11 SEP 13

ESTIMATED 12 SEP 07

PREDICTED 13 SEP - 15 SEP 07/07/07

SOLIERWARN

SPAN

BT