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HOUS 2 BOU 080200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT 080200
JULY 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM ATHENS TAKEN AT 071030.
LOCATIONS VALID AT 08 JULY 0000Z

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0157 S05W33 273 0010 A 00 01 ALPHA

0158 N12W26 266 0400 D 10 13 BETA

0159 S06W30 270 0030 C 05 11 BETA

0162 N00W08 248 0050 D 05 10 BETA

MAGNETIC CLASSES INFERRED AT BOULDER.

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 08 JULY 0000Z.

NMBR LOCATION LO

0160 S16E44 197

0161 N19E27 210

0163 N00W37 277

II. NONE.

III. AREAS OF SPECIAL INTEREST-

REGION 162.

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HFUS 1 BOU 080600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 189A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 08 JULY 1973

IA. SOLAR ACTIVITY CONTINUES AT A LOW LEVEL. SEVERAL NON ENERGETIC
SUBFLARES HAVE BEEN OBSERVED IN REGION 162 (N02W10).

IB. NO MAJOR ACTIVITY IS EXPECTED.

II. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY DISTURBED DURING THE
PAST TWO HOURS.

III. NO CHANGE

IV. NO CHANGE.

V. NO CHANGE.

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HFUS 1 BOU 081300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 189B

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

IA. REGION 158 (N12W33) PRODUCED AN IMPORTANCE 1B FLARE AT 08/1150Z
WHICH WAS SMALL CLASS M. WEAK SHORT-WAVE FADEOUTS WERE REPORTED.
A RADIO BURST OF 40 FLUX UNITS AT 2700 MHZ ACCOMPANIED THE EVENT.
ANOTHER SMALL X-RAY BURST, BELOW CLASS M THRESHOLD, ACCOMPANIED AN
IMPORTANCE 0B FLARE IN REGION 158 AT 08/0811Z. OTHER THAN THESE EVENTS
ACTIVITY DURING THE PAST 24 HOURS HAS CONSISTED OF NON-ENERGETIC
SUBFLARES, PREDOMINANTLY FROM REGIONS 158 AND 162 (N00W15).

IB. SOLAR ACTIVITY IS EXPECTED TO BE GENERALLY LOW WITH INFREQUENT
CLASS M EVENTS FROM REGIONS 158 AND/OR 162 DURING THE NEXT 72 HOURS.
OLD REGION 137, DECLINING AT WEST LIMB, IS DUE BACK AT N12.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO MILDLY ACTIVE SINCE
08/0300Z. UNSETTLED TO ACTIVE CONDITIONS ARE EXPECTED FOR THE NEXT
72 HOURS.

III. EVENT PROBABILITIES 08 JULY - 10 JULY

CLASS M 50/50/50

CLASS X 03/03/03

PROTON 01/01/01

PCAF GREEN

65/55/60

96/97/97

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 JUL 97

PREDICTED 08 JUL - 10 JUL 97/97/96

90-DAY MEAN 07 JUL 96

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 06 JUL 03

ESTIMATED 07 JUL 05

PREDICTED 08 JUL - 10 JUL 15/23/20

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HFUS BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 189

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

IA. SOLAR ACTIVITY HAS BEEN MODERATE. REGION 158 (N13W43) PRODUCED A 1N FLARE AT 08/1150Z (X-RAY CLASS M1) AND A 0B AT 08/2006Z (X-RAY CLASS C9). SEVERAL CLASS C X-RAY EVENTS HAVE OCCURRED IN THE PAST 6 HOURS. THE LARGE LEADER IN REGION 158 MAY BE ROTATING CLOCKWISE, AND HIGH GRADIENTS EXIST JUST EAST OF THIS SPOT. PLAGE GROWTH AND FREQUENT FLUCTUATIONS ARE OCCURRING IN THIS AREA. REGION 159 (S04W47) APPEARS TO BE DECLINING BUT IS STILL CAPABLE OF CLASS C X-RAY ACTIVITY. REGION 162 (N03W21) CONTINUES SLOW GROWTH.

IB. ACTIVITY IS EXPECTED TO BE MODERATE FOR THE NEXT 24 HOURS, THEN LOW TO MODERATE FOR THE REMAINDER OF THE FORECAST PERIOD. ENERGETIC ACTIVITY IS CONSIDERED IMMINENT FROM REGION 158.

II. THE GEOMAGNETIC FIELD HAS BEEN MILDLY ACTIVE FOR THE LAST 18 HOURS. GENERALLY ACTIVE CONDITIONS ARE EXPECTED FOR THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 09-11 JUL

CLASS M 65/55/60

CLASS X 03/03/03

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7CM FLUX

OBSERVED 08 JUL 096

PREDICTED 09-11 JUL 96/97/97

90-DAY MEAN 08 JUL 96

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 07 JUL 04

ESTIMATED 08 JUL 10

PREDICTED 09-11 JUL 26/20/15

SOLTERWARN

SPAN

BT