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HOUS 2 BOU 090200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
09/0200Z JULY 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT
08/1530Z. LOCATIONS VALID AT 09 JULY 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0158 N13W44 271 0340 C 08 28 BETA

0159 S04W48 275 0000 D 05 06 BETA

0162 N03W22 249 0060 B 06 26 BETA

MAGNETIC CLASS INFERRED AT BOULDER.

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

NMBR LOCATION LO

0157 S08W50 281

0160 S15E36 195

0161 N20E20 211

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN IMP BEGIN MAX END CLASS

158 1B 08/1150Z 1151Z 1215Z S

III. AREAS OF SPECIAL INTEREST-

TIGHT MAGNETIC GRADIENTS JUST EAST OF LEADER SPOT IN 158.

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HFUS 1 BOU 090600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 190A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 09 JULY 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 8 HOURS.

IB. NO MAJOR ACTIVITY IS EXPECTED.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET BUT BECAME SLIGHTLY DISTURBED AT 09/0400Z.

III. NO CHANGE.

IV. NO CHANGE.

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 07 JULY 04

ESTIMATED 08 JULY 13

PREDICTED 09 JULY-11 JULY 12/20/15

SOLIERWARN

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HFUS 1 BOU 091300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF 190B

JOINT AFGWC/SESC REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 09 JULY 1973

IA. REGION 162 /N03W29/ HAS DECAYED DURING THE PAST 24 HOURS.
REGION 158 /N13W51/ HAS SHOWN REJUVENATION AND HAS DOMINATED
ACTIVITY. REGION 158 PRODUCED A CLASS M1 EVENT, OPTICAL
IMPORTANCE 0B, AT 09/0505Z. NO SHORT WAVE FADEOUTS WERE
REPORTED. A SMALL RADIO BURST, 14 FLUX UNITS AT 2700MHZ,
ACCOMPANIED THE FLARE. SEVERAL OTHER SUBFLARES HAVE BEEN
OBSERVED IN REGION 158.

IB. ADDITIONAL ENERGETIC EVENTS ARE EXPECTED FROM REGION 158
DURING THE NEXT 72 HOURS. NO SIGNIFICANT ACTIVITY IS EXPECTED
FROM OTHER DISK FEATURES.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO ACTIVE
DURING THE PAST 24 HOURS. UNSETLED TO ACTIVE CONDITIONS ARE
EXPECTED DURING THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 09-11 JUL

CLASS M 65/55/60

CLASS X 03/03/03

PROTON 01/01/01

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 JUL 96

PREDICTED 09-11 JUL 100/102/104

90-DAY MEAN 08 JUL 96

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 07 JUL 04

ESTIMATED 08 JUL 10

PREDICTED 09-11 JUL 15/20/15

SOLTERWARN

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HFUS BOU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 190

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

IA. SOLAR ACTIVITY HAS BEEN MODERATE. REGION 158 (N11W57) HAS PRODUCED SEVERAL ENERGETIC SUBFLARES. SPOT GROWTH CONTINUES TO THE SOUTH AND EAST OF THE LEADER IN THIS GROUP. REGIONS 159 (S07W65) AND 162 (N01W34) CONTINUE TO DECLINE.

IB. REGION 158 HAS NOT DIMINISHED ITS POTENTIAL FOR ENERGETIC ACTIVITY OCCASIONAL CLASS M EVENTS ARE EXPECTED FROM THIS REGION.

II. THE GEOMAGNETIC FIELD HAS BEEN MILDLY ACTIVE AND IS EXPECTED TO REMAIN SO FOR 48 HOURS, WITH A GRADUAL TREND TOWARD MORE QUIET CONDITIONS.

III. EVENT PROBABILITIES 10 JUL - 12 JUL.

CLASS M 65/65/65

CLASS X 03/03/03

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX.

OBSERVED 09 JUL 102

PREDICTED 10 JUL - 12 JUL 104/105/104

90-DAY MEAN 09 JUL 096

V. GEOMAGNETIC A INDICES.

OBSERVED FREDERICKSBURG 08 JUL 15

ESTIMATED 09 JUL 14

PREDICTED 10 JUL - 12 JUL 20/15/10

SOLTERWARN

SPAN

BT