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KBOU

HOUS 2 BOU 050200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY

ISSUED AT 050200Z JULY 1973

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT 041900Z
LOCATIONS VALID AT 05 JULY 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0158 N13E11 269 0043 C 09 18 BETA-GAMMA-DELTA

0159 S05E05 274 0003 B 08 16 BETA

NOTE: MAGNETIC CLASSIFICATIONS INFERRED AT BOULDER

IA. H-ALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 05 JULY 0000Z

NMBR LOCATION LO

0157 S06W02 284

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS:

NONE

III. AREAS OF SPECIAL INTEREST:

BOTH 158 AND 159

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HFUS 1 BOU 050600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 186A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 05 JULY 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW THE PAST 8 HOURS. REGION 158
(N13E08) HAS PRODUCED THREE SUBFLARES. REGION 159 (S05W01) HAS
SHOWN ALMOST CONTINUOUS STRUCTURAL CHANGE BUT HAS PRODUCED NO
FLARES. MINOR PROMINENCE ACTIVITY ON THE EAST LIMB NEAR S10
HAS ACCCOMPANIED THE APPEARANCE OF A SMALL PLAGE AT THIS LATITUDE.

IB. SOLAR ACTIVITY WILL BE GENERALLY LOW FOR THE NEXT 72 HOURS.
INFREQUENT CLASS M EVENTS ARE POSSIBLE FROM REGION 158 AND/OR 159.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. UNSETTLED TO ACTIVE
CONDITIONS ARE EXPECTED TO COMMENCE 06-07 JULY.

III. EVENT PROBABILITIES 05 JUL - 07 JUL

CLASS M 60/60/60

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. NO CHANGE

V. NO CHANGE

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HFUS 1 BOU 051300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 186B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 05 JULY 1973

IA. REGION 158 (N13E04) APPEARS TO BE STABLE AT THE MOMENT. REGION
159 (S05W02) CONTINUES TO GROW SLOWLY. BOTH REGIONS HAVE PRODUCED
A TOTAL OF FOUR C-CLASS SUBFLARES SINCE THE LAST REPORT.

IB. BOTH REGIONS ARE CAPABLE OF PRODUCING ISOLATED SMALL M-CLASS
X-RAY EVENTS DURING THE FORECAST PERIOD.

II. GEOMAGNETIC ACTIVITY CONTINUES QUIET. UNSETTLED TO ACTIVE
CONDITIONS CAN BE EXPECTED BEGINNING 06-07 JULY.

III. EVENT PROBABILITIES 05 JUL - 07 JUL

CLASS M 60/60/60

CLASS X 05/05/05

PROTON 01/01/01

PCAF GREEN

IV. NO CHANGE

V. NO CHANGE

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HFUS BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 186

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 05 JULY 1973

IA. SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE LAST 24 HOURS WITH SIX
SUBFLARES OBSERVED, ALL IN RGN 158 (N13E02). NO ASSOCIATED RADIO
BURSTS OR X-RAYS HAVE BEEN REPORTED. NEW RGN 162 (N01E19) HAS
EMERGED AS A SMALL B-TYPE SPOT GROUP WITH A COMPACT BIPOLAR PLAGE.
RGN 159 (S05W08) HAS SHOWN SLOW GROWTH IN THE TRAILER SPOTS. RGN
158 NO LONGER CONTAINS A DELTA CONFIGURATION.

IB. RGN 158 IS LESS LIKELY TO PRODUCE BUT STILL CAPABLE OF CLASS
C AND LOW CLASS M X-RAYS. RGN 159 COULD PRODUCE MILDLY ENERGETIC
ACTIVITY, ESPECIALLY IF GROWTH CONTINUES.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 48 HOURS,
AND IS EXPECTED TO BECOME UNSETLED TOMORROW AND THEN ACTIVE
ON 07-08 JULY IN CONCURRENCE WITH RECURRENT SECTOR STRUCTURE.

III. EVENT PROBABILITIES 06-08 JUL

CLASS M 50/50/50

CLASS X 03/03/03

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 JUL 95

PREDICTED 06-08 JUL 98/96/95

90-DAY MEAN 05 JUL 96

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 04 JUL 04

ESTIMATED 05 JUL 05

PREDICTED 06-08 JUL 12/20/25

SOLTERWARN

SPAN

BT