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HFUS 1 BOU 300600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 181A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 30 JUNE 1973

IA. SOLAR ACTIVITY HAS BEEN LOW THUS FAR TODAY. A SUBNORMAL FLARE  
IN RGN 157 (S09E64) AT 0047Z WAS ACCCOMPANIED BY A DEKAMETRIC TYPE  
III GROUP AND A WEAK CENTIMETRIC BURST. THE SN/M5 FLARE AT 29/1950Z  
HAS BEEN RECLASSIFIED OPTICALLY AS A 1B.

IB. NO CHANGE.

II. NO CHANGE.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

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ZCZC 1008  
RR MJFF  
DE KAWN 301002Z  
ZUI MJFF UNKDTG

HOUS 2 BOU 300200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT  
30/0200Z JUNE 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT  
29/1700Z. LOCATIONS VALID AT 30 JUN 0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0147 S08W83 069 0010 A 02 04 ALPHA  
0149 S03W69 055 0010 A 02 02 ALPHA  
0150 S12W60 046 0010 A 02 03 ALPHA  
0157 S06E66 280 0030 C 07 07 BETA  
0158 N13E73 273 0360 H 03 01 ALPHA

MAG TYPE INFERRED AT BOULDER.

IA. HALPHA PLAGES WITHOUT SPOTS. LOCATIONS VALID AT 30 JUNE 0000Z

NMBR LOCATION LO

0156 S05W15 001

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS

RGN IMP BEGIN MAX END CLASS

1057 SB 30/1515 1517 1527 M1  
0158 1B 30/1947 1950 2000 M5

III. AREAS OF SPECIAL INTEREST

REGIONS 157 AND 158.

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HFUS 1 BOU 301300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 181B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1300Z 30 JUNE 1973

IA. SOLAR ACTIVITY HAS BEEN LOW, WITH ONLY ONE SUBFLARE REPORTED.  
THIS EVENT OCCURRED AT 30/0047Z IN REGION 157(S09E60), AND WAS  
ACCOMPANIED BY DEKAMETRIC TYPE III AND WEAK CENTIMETRIC RADIO  
BURSTS. SURGES HAVE BEEN NOTED ON THE WEST LIMB AS REGION  
147(S08W90) MAKES ITS EXIT. REGION 158(N13E67), A LARGE "C" TYPE  
SPOT GROUP, HAS BEEN STABLE, THE REMAINDER OF THE DISK AND  
THE EAST LIMB HAVE BEEN QUIET.

IB. M-CLASS EVENTS ARE ANTICIPATED FROM REGIONS 157 AND 158.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE, WITH THE GREATEST  
DISTURBANCES OCCURRING DURING LOCAL NIGHTTIME. THIS LEVEL OF  
ACTIVITY IS EXPECTED FOR THE NEXT 48 HOURS.

III. EVENT PROBABILITIES 30 JUN - 02 JUL

CLASS M 75/75/75

CLASS X 05/05/07

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7CM FLUX

OBSERVED 29 JUN 92

PREDICTED 30 JUN - 02 JUL 93/94/94

90-DAY MEAN 29 JUN 98

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 28 JUN 17

ESTIMATED 29 JUN 23

PREDICTED 30 JUN- 02 JUL 22/19/08

SOLTERWARN

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HFUS BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 181

JOINT AESU/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 30 JUNE 1973

IA. SOLAR ACTIVITY HAS BECOME LOW THE PAST 24 HOURS WITH ONLY FOUR FLARES REPORTED. HOWEVER, A SB/1B FLARE AT 1515Z IN REGION 158 (N13E62) PRODUCED A 38 F.U. BURST AT 2700 MHZ AND MODERATE SID EFFECTS. THIS FLARE HAS A PRELIMINARY X-RAY CLASS GREATER THAN M2. REGION 157 (S06E52), AFTER ITS FLURRY OF ACTIVITY ON 29 JUNE, HAS DECAYED MARKEDLY. A SN/C2 AT 0050Z WAS THE LAST ACTIVITY FROM THIS REGION.

IB. OVERALL SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. HOWEVER, ABOUT ONE CLASS M FLARE PER DAY CAN BE EXPECTED FROM REGION 158.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE. IT IS EXPECTED TO REMAIN ACTIVE FOR APPROXIMATELY 24 HOURS AND THEN BECOME UNSETTLED.

III. EVENT PROBABILITIES 01-03 JULY

CLASS M 75/75/75

CLASS X 03/03/05

PROTON 03/03/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 JUN 93

PREDICTED 01-03 JULY 93/94/94

90-DAY MEAN 30 JUNE 98

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 29 JUN 27

ESTIMATED 30 JUN 24

PREDICTED 01-03 JUL 20/12/07

SOLTERWARN

SPAN

BT