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HOUS 2 BOU 070200

JOINT AFGWC/SESC SOLAR REGION AND ACTIVITY SUMMARY ISSUED AT
07/0200Z AUG 1973.

I. REGIONS WITH SUNSPOTS. SUNSPOT DATA FROM BOULDER TAKEN AT
06/1545Z. LOCATIONS VALID AT 07/0000Z.

NMBR LOCATION LO AREA Z LL NN MAG TYPE

0183 S08E05 197 0060 H 02 01 ALPHA

0185 N06W15 217 0030 B 08 47 BETA-GAMMA

0186 S08E56 146 0010 A 00 01 ALPHA

IA. H-ALPHA PLACES WITHOUT SPOTS. LOCATIONS VALID AT 07/0000Z.

NMBR LOCATION LO

176 N21W67 271

II. IMPORTANCE ONE OR GREATER FLARES AND ENERGETIC EVENTS-

RGN IMP BEGIN MAX END CLASS

0185 SB 06/0625Z 0629Z 0644Z M-1S

0185 SB 06/0842Z 0844Z 0916Z M-3S

III. AREAS OF SPECIAL INTEREST-

REGION 185.

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HFUS 1 BOU 070600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 219A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 07 AUGUST 1973

IA. SOLAR ACTIVITY FROM REGION 185 (N06W18) HAS CONTINUED. DURING
THE PAST SIX HOURS ONLY CLASS C FLARES HAVE BEEN OBSERVED.

IB. REGION 185 WILL CONTINUE TO PRODUCE CLASS C FLARES WITH AN
OCCASIONAL CLASS M FLARE.

II. THE GEOMAGNETIC FIELD REMAINS IN AN UNSETTLED CONDITION.

III. NO CHANGE

IV. NO CHANGE

V. NO CHANGE

SOLTERWARN

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HFUS 1 BOU 071300

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 219B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1300Z 07 AUGUST 1973

IA. REGION 185 (N06W21) PRODUCED FREQUENT SUBFLARES ON 06 AUGUST.
THE FREQUENCY OF SUCH EVENTS HAS DECREASED WITHIN THE LAST EIGHT
HOURS. AN EVENT AT 06/1719Z MAY HAVE BEEN SMALL CLASS M. DEVELOPMENT
WITHIN REGION 185 MAY HAVE SLOWED BUT THE REGION REMAINS DYNAMIC
AND STRUCTURALLY COMPLEX.

IB. ENERGETIC ACTIVITY IS EXPECTED FROM REGION 185 DURING THE NEXT
72 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED. QUIET TO MILDLY
UNSETTLED CONDITIONS ARE EXPECTED DURING THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 07 AUG - 09 AUG

CLASS M 50/50/50

CLASS X 05/05/05

PROTON 01/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 AUG 86

PREDICTED 07 AUG - 09 AUG 86/86/86

90-DAY MEAN 06 AUG 89

. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 05 AUG 09

ESTIMATED 06 AUG 14

PREDICTED 07 AUG 09 AUG 12/10/10

SOLTERWARN

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HFUS BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 219

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 07 AUG 1973

IA. SOLAR ACTIVITY HAS BEEN LOW TO MODERATE. AN IMPORTANCE IN FLARE AT 07/1846Z IN REGION 185 (N06W29) PRODUCED A RADIO BURST OF ABOUT 92 FLUX UNITS AT 1400MHZ WITH UNKNOWN X-RAY CLASS. FREQUENT CLASS C SUBFLARES HAVE ALSO OCCURRED IN THE REGION. PEAK X-RAY INTENSITY HAS INCREASED 50 PERCENT IN THE LAST 24 HOURS AND OTHER PARAMETERS SHOW COMPARABLE INCREASES. THE MAGNETIC STRUCTURE HAS INCREASED IN COMPLEXITY. EMERGING FLUX IN THE CENTER OF THE REGION HAS PRODUCED A DOUBLE BIPOLAR ENSEMBLE WITH HIGH FIELD GRADIENTS ALONG THE CENTRAL ONE OF THREE N-S NEUTRAL LINES. A PROBABLE DELTA MAGNETIC CONFIGURATION EXISTS IN THE NORTHERN PORTION OF THE CENTRAL SPOTS. AN ARCH-FILAMENT SYSTEM STILL EXISTS BETWEEN THE CENTRAL AND LEADER SECTIONS AND A CHAIN OF SPOTS OF NEGATIVE POLARITY IS FORMING FROM THE LEADER BACK TOWARD THE SOUTH-CENTRAL SECTION. THE REST OF THE DISK REGIONS ARE QUIET AND STABLE.

IB. CONTINUED DEVELOPMENT AND GROWTH OF REGION 185 IS EXPECTED TO PRODUCE A MODERATE TO HIGH LEVEL OF SOLAR ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED, AND IS EXPECTED TO REMAIN AT THIS LEVEL OF ACTIVITY FOR THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 08 AUG - 10 AUG

CLASS M 60/60/60

CLASS X 10/10/10

PROTON 10/10/10

PCAF GREEN

IV. OTTAWA 10U CM FLUX

OBSERVED 07 AUG 88

PREDICTED 08-10 AUG 90/89/89

90-DAY MEAN 07 AUG 89

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 06 AUG 13

ESTIMATED 07 AUG 09

PREDICTED 08-10 AUG 12/10/12

SOLTERWARN 8 9 10

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