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HFUS 1 BOU 090600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 190A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0600Z 09 JULY 1974

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

REGION 433 (S14W73) PRODUCED A SN/M9 (GOES) AT 08/2226Z AND
SB/X2 (GOES) AT 09/0149Z. IMPORTANCE 3 SWF'S AND MINOR CENTIMETRIC
BURSTS ACCOMPANIED BOTH EVENTS. REGION 433 STILL RETAINS A
MODERATELY STRONG DELTA CONFIGURATION. AN ANALYSIS OF REGION 438
(S08E75) IS NOT YET POSSIBLE DUE TO LIMB PROXIMITY.

IB. SOLAR ACTIVITY WILL REMAIN HIGH DURING THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE. THE FIELD IS EXPECTED
TO BE ACTIVE, WITH PERIODS OF MINOR STORM CONFIGURATION, DURING
THE FORECAST PERIOD.

III. EVENT PROBABILITIES NO CHANGE

IV. OTTAWA 10.7 CM FLUX NO CHANGE

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 07 JULY 16

ESTIMATED AFR/AP 08 JULY 26/35

PREDICTED AFR/AP 09-11 JULY 27/35 - 29/40 - 23/29

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HFUS 1 BOU 091400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 190B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 09 JULY 1974

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE PAST 8 HOURS. A
SUB BRIGHT FLARE IN REGION 433 (S14W76) WAS CLASSIFIED AS AN
M-3 (GOES). SEVERAL SMALL NON ENERGETIC SUB FLARES HAVE BEEN
OBSERVED IN REGION 433. SEVERAL SHORT WAVE FADES HAVE BEEN
OBSERVED. THE DISK REGIONS APPEAR STABLE AT PRESENT. SMALL
SURGES ARE BEING OBSERVED WHERE REGION 431 (S12W90) IS MAKING ITS
WEST LIMB PASSAGE.

IB. SOLAR ACTIVITY WILL CONTINUE AT A MODERATE TO HIGH LEVEL
DURING THE NEXT 8 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE AND IS EXPECTED TO
REMAIN ACTIVE WITH A SLIGHT DECREASE IN ACTIVITY DURING THE NEXT
24 HOURS. MINOR STORM CONDITIONS WILL PREVAIL.

III. EVENT PROBABILITIES 10 JULY - 12 JULY

CLASS M 80/80/80

CLASS X 50/40/40

PROTON 40/40/40

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 JULY 103

PREDICTED 09 JULY - 12 JULY 98/95/91

90-DAY MEAN 08 JULY 92

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 07 JULY 16

ESTIMATED AFR/AP 08 JULY 26/35

PREDICTED AFR/AP 09 JULY - 12 JULY 27/35 - 25/33 - 23/29

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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 1974

IA. SOLAR ACTIVITY HAS BEEN HIGH WITH OUTSTANDING FLARES AT;
0149Z SB/X2; 1140Z SB/M3; 1355Z IB/M6-PLUS; 1731Z SN/M1 AND
1853Z IN/M2. ALL HAVE COME FROM REGION 433 (S16W82) WHICH CONTINUES
TO MAINTAIN COMPLEX STRUCTURE WITH HIGH MAGNETIC GRADIENTS IN
A DELTA CONFIGURATION. SOME SPOT GROWTH MAY HAVE OCCURRED IN
THE FOLLOWER PORTION OF THIS REGION BUT LIMB PROXIMITY PREVENTS
EVALUATION. REGION 438 (S08E62) IS NOW GROWING NEW SPOTS AND PLAGE
IN ITS TRAILING PORTION. ITS LEADER SPOT IS VERY LARGE AND DARK.

IB. SMALL LIMB EVENTS RICH IN X-RAYS SHOULD CONTINUE DURING THE
WEST LIMB PASSAGE OF REGION 433. AN INCREASE IN ACTIVITY
FROM REGION 438 IS VERY LIKELY IF SPOT GROWTH CONTINUES.

II. THE GEOMAGNETIC FIELD HAS BECOME UNSETTLED TO QUIET BUT
SHOULD RETURN TO MINOR STORM LEVELS AS A RECURRENT DISTURBANCE
BEGINS WITHIN THE NEXT 2-6 HOURS. ACTIVE CONDITIONS SHOULD
PREVAIL THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 10 - 12 JULY

CLASS M 90/80/70

CLASS X 50/40/10

PROTON 30/20/05

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 JULY 92

PREDICTED 10 - 12 JULY 90/88/85

90-DAY MEAN 09 JULY 92

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 08 JULY 27

ESTIMATED AFR/AP 09 JULY 13/17

PREDICTED AFR/AP 10 - 12 JULY 25/39 - 23/35 - 20/29

SOLTERWARN

SPAN

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