

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 ACCCOMPANIED 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 1B/M6-PLUS; 1731Z SN/M1 AND  
1853Z 1N/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 UNSETLED 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

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