

KBOU

HFUS BOU 280500M

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 240A ISSUED 0500Z 28 AUGUST 1971

CLASS M3 SUBFLARE OCCURS.

A. BIPOLAR REGION 235 (S11W60) CONTINUES WITH ONE M SUBFLARE PER 24 HOURS AND IS DECLINING IN RADIO BRIGHTNESS AT 9.1 CM. REGION 238 (S05W23) CONTINUES TO PRODUCE NON-ENERGETIC FLARES. OTHER REGIONS ARE STABLE. THE GEOMAGNETIC FIELD IS QUIET.

B. BOTH REGIONS 235 AND 238 ARE POSSIBLE CLASS M FLARE PRODUCERS. THE M FLARE PROBABILITY OF REGION 235 WILL DECREASE AFTER THE NEXT TWO DAYS, UNLESS THE DELTA CONFIGURATION APPEARS AGAIN. THE GEOMAGNETIC FIELD WILL REMAIN QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 28 AUG/0000Z ENDING 30 AUG/2400Z

CLASS M OR GREATER 90/90/80

CLASS X 08/08/08

PROTON EVENTS 05/05/05

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HFUS BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 240B ISSUED 2200Z 28 AUG 1971

CLASS M FLARES ARE STILL POSSIBLE NEXT 24 HOURS.

A. A CLASS M3 /1B/ FLARE AT S11W61 IN REGION 235 WAS SEEN
IP AT 0201Z. ADDITIONAL NON ENERGETIC SUBFLARES HAVE
OCCURRED IN REGION 235 /S31W69/ AND 238 /S05W31/. REGION
235 CONTINUES TO SLOWLY DECLINE IN MOST PARAMETERS BUT
RETAINS SMALL AREAS OF CHROMOSPHERIC ACTIVITY. THE PLAGE
STRUCTURE IN REGION 238 HAS DECLINED IN BOTH AREA AND
COMPLEXITY AND APPEARS TO HAVE STABILIZED. THE GEOMAGNETIC
FIELD HAS BEEN MOSTLY QUIET WITH UNSETTLED PERIODS.

B. ONE OR TWO SMALL FLARES OF MEDIUM CLASS C TO SMALL M
INTENSITY ARE PROBABLE DURING THE NEXT 24 HOURS. THE GEO-
MAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE DURING
THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24
HOUR PERIODS BEGINNING 29/0000Z ENDING 31/2400Z.

CLASS M OR GREATER 80/80/70

CLASS X 10/12/05

PROTON EVENTS 25/25/15

D. OTTAWA 10.7 CM FLUXES FOR 28/1400Z, 28/1700Z AND 28/2100Z
WERE 123, 121 AND 117 RESPECTIVELY. PREDICTED 10.7 CM FLUX
FOR 29-31 AUG IS 105/95/90.

E. MAGNETIC A-FREDERICKSBURG FOR 27 WAS 02. FOR 28 ABOUT 07
PREDICTED AP FOR 29-31, 15/18/10.

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AEROSPACE ENVIRONMENTAL SUPPORT CENTER NORAD CHEYENNE MOUNTAIN
COMPLEX.

SECONDARY REPORT OF SOLAR GEOPHYSICAL ACTIVITY ISSUED AT 282100Z
AUG 1971. THIS MESSAGE IN SIX PARTS.

PART I. THERE HAS BEEN NO SIGNIFICANT CHANGE IN SOLAR PARAMETERS
SINCE OUR 280900Z MESSAGE.

REGIONS DUE TO RETURN DURING THE NEXT 24 HOURS:

NONE

PART II. THERE HAS BEEN NO SIGNIFICANT SOLAR ACTIVITY DURING THE
PAST SIX HOURS. THE GEOMAGNETIC FIELD IS BECOMING SLIGHTLY UNSETTLED
AND SHOULD CONTINUE SLIGHTLY DISTURBED THROUGH THIS PERIOD.

PART III. HF RADIO PROPAGATION CONDITIONS WILL BE GENERALLY GOOD
DURING THE NEXT 24 HOURS. HOWEVER, PERIODS OF FAIR TO OCCASIONALLY
POOR CONDITIONS MAY OCCUR ON LONG EAST-WEST CIRCUITS DURING THE
SUNRISE TRANSITION. THESE CONDITIONS WILL BE MOST NOTICEABLE ON
MIDDLE AND HIGH LATITUDE PATHS. PREDAWN MUFs WILL BE ABOUT 20
PERCENT BELOW SEASONAL NORMALS, AND DAYTIME MUFs WILL BE SLOW IN
RISING TO NORMAL VALUES. NIGHTTIME TRANSAURORAL ZONE CIRCUITS MAY
EXPERIENCE PERIODS OF FAIR PROPAGATION CONDITIONS DUE TO FADING
AND ABOVE NORMAL NOISE LEVELS. SPORADIC E EFFECTS MAY OCCUR ON
SOME DAYTIME MIDDLE AND LOW LATITUDE PATHS.

PART IV. N/C

PART V. N/C

PART VI. N/C

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2228

PP MJFF
DE KAWN 282228Z
ZUI MJFF 282227

HFUS BOU 282200

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