



CABLE ADDRESS "RESEARCH"

IN YOUR REPLY PLEASE QUOTE

FILE No. CN 15-2-136

NATIONAL RESEARCH COUNCIL  
CANADA

RADIO AND ELECTRICAL  
ENGINEERING DIVISION

OTTAWA, August 3, 1948

Mr. G. Reber,  
Radio Physicist,  
Central Radio Propagation Laboratory.

Dear Mr. Reber:

I am pleased to hear about the Washington observations of solar noise on July 29th. Our 10.7 cm. observations begin about 8.30 in the morning so that the first mentioned burst of radiation was not recorded. However the second one was recorded at 2:50 p. m. and is unusual in that the post storm level is higher than pre storm level.

I will enclose a sketch so that you can see the details of the noise variations. Just after the burst I started some measurements on the amount circularly polarized radiation but found no great variation except just after the burst.

On August 1st we observed two bursts which show the same value of the solar radiation after the storm. The values of temperature shown are the equivalent temperatures of the radiation resistance of the antenna.

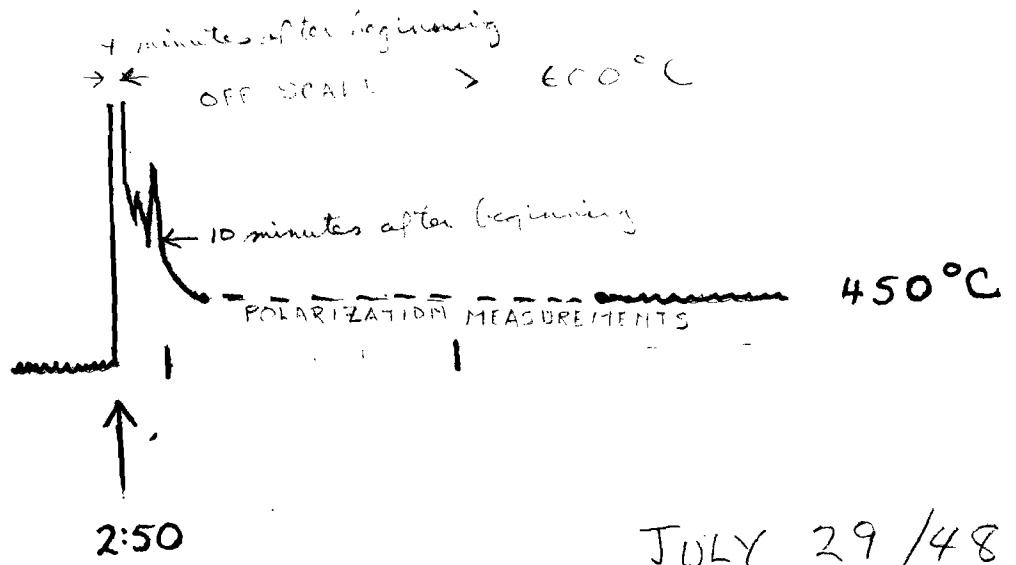
Yours sincerely,

A. E. Covington

AEC/SIW  
2 Encl.

AUG 6 - 1948  
6

410°C  
B...  
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JULY 29/48

10.7 cm SOLAR NOISE STORM

4210" OF:  
> 625°C  
↑  
11:12 A.M.

415°C  
ANTENNA  
TEMP.

+200° 615°C  
↑  
2:32 P.M.

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