

Eindhoven, 2nd December 1947

Mr. Newton of the
Royal Observatory
GREENWICH

Subject: Solar Radiation Case RS 1

Dear Sir, (As more Radar-analyses will follow, this case is mentioned

The 22nd of October, Mr. Richards (for) Superintendent of the Nautical Almanac Office - London - informed me that you connected Solar Radiation on the 21st of November 1946, with Solar Spots.

Dr. Reber of the U.S. National Bureau of Standards - Washington, informed me about that date (21-11-47) as follows:

"The great radiation storm started at 18.30 GMT; increased in severity to about 18.00 GMT and then died down..." (Nature Vol. 158 - page 945 - Dec. 28th - 1946)

Consequently the centre of this period happened to be at about 17.15 GMT as the H.M. Naut. Office (having refined by calculation) mentions the exact moment of the inferior Mercur conjunction at 17.16 GMT

An exceptional sharp ~~connection~~ radiation coinciding with the sharpest mercur conjunction of the year 1946, practically up to the minute.

As this coincidence can't happen more than once a year we have to deal with 100,000 against one to accept mere chance. (This figure includes an artificial added time-difference of 10 minutes)

In connection with this analyse you may understand that I regret the trial 5 Nov. '47 could not be taken, by lack of apparatus, as Dr. Reber informed me.

A. I should highly appreciate your observation on this subject, moreover in connection with eventually increased quantities of available solar spots at that very hour, as I have no such survey in my possession.

Awaiting your favoured reply with my thanks in anticipation, I remain

Yours Faithfully
A. Vrede

Pr. Alexanderstr. 25 - Eindhoven - Holland

—Copies sent to:

Mr. Richards of the H.M. Naut. Office - London
Dr. Reber - U.S. National Bureau of Standard - Washington
Mr. Martin Ryle of the Cavendish Laboratory - Cambridge
Dr. A.C.B. Lovell of the Manchester University
Mr. J.S. Key of the Ministry of Supply

Dr. Grote Reber - P.O. Box 4868 - Washington D.C.

Dear Dr. Reber,

- Can You hand me foto-copy of the curve of this date (RS 1)
- Are radartelescopes continually directed to the sun, registering automatically? And in what places in U.S.A. (and Honolulu?)
- Can you hand me some more curves with special tops?

I should highly appreciate to hear your opinion ^{of the demonstrative quality} analyse RS 1, and the observations of your colleagues.

Awaiting your favoured lines, I wish you a happy Christmas

Yours very truly

A. Peace
Pr. Alexanderstr. 25
Eindhoven (Holland)

