

## > **BALL LIGHTNING REPORT**

Written by Administrator

Sunday, 13 February 2011 10:00 - Last Updated Monday, 14 February 2011 21:39

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Below is a description of a physical phenomenon that is identified by observers as a ball lightning event (BL) which owns all or a part of characteristics of a real BL.

Site: Pruno, (Stazzema, Lucca)

Altitude: 470 above sea level

Date: June 20, 2010

Time: Early afternoon

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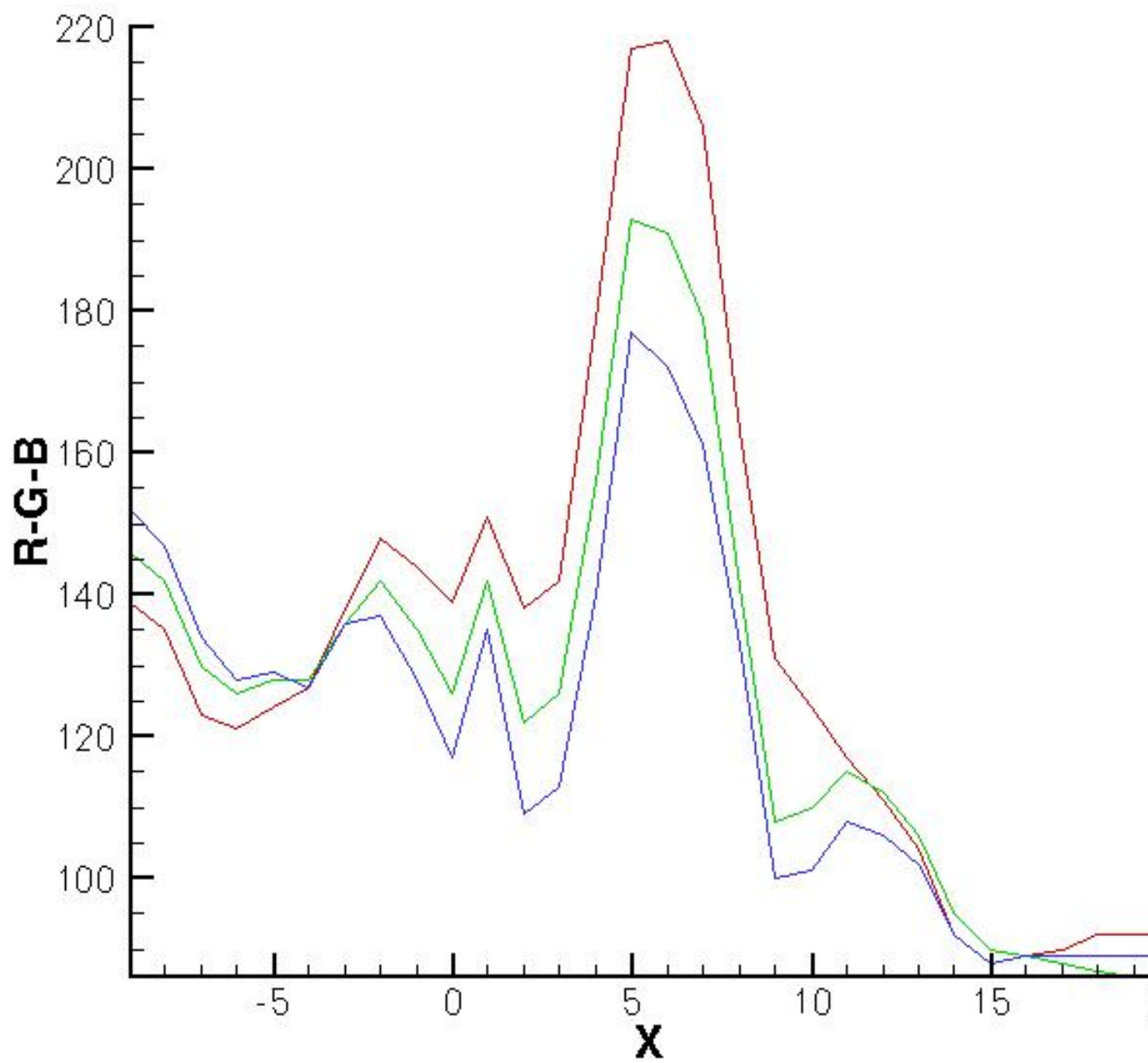


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Frame n° 2



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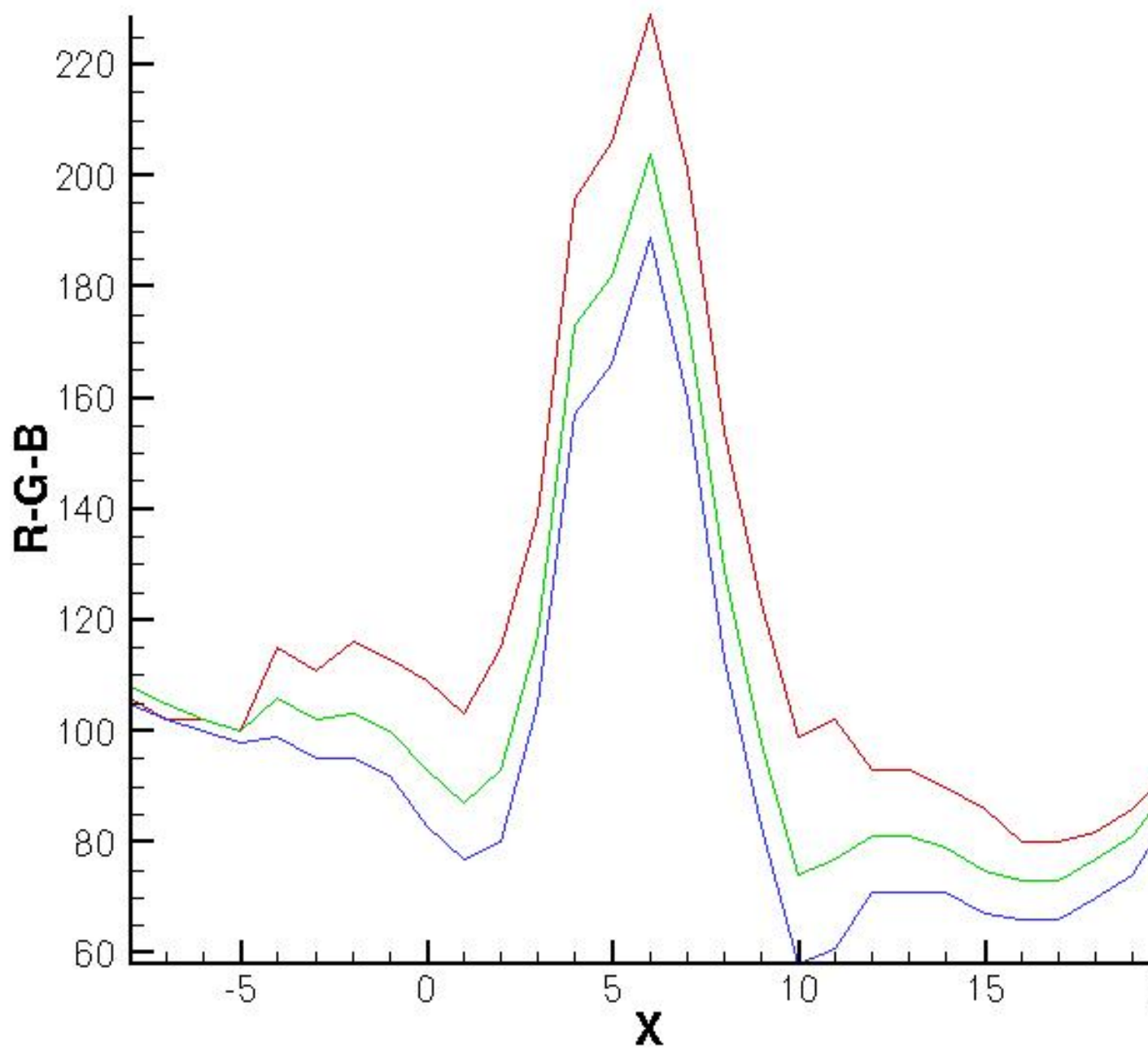


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Frame n° 3

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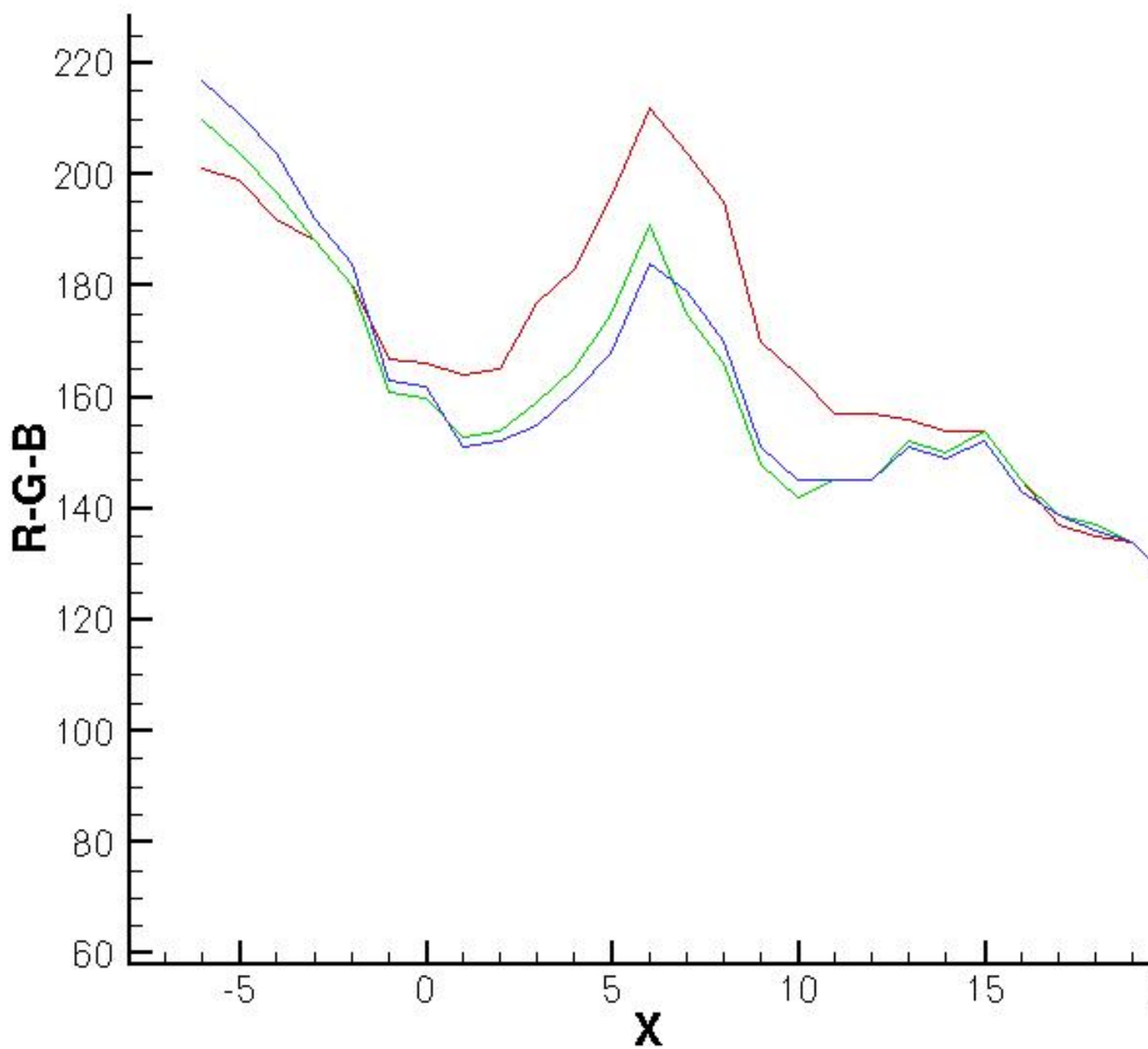


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We characterized the water near the ball. Note the inversion of RGB curves.

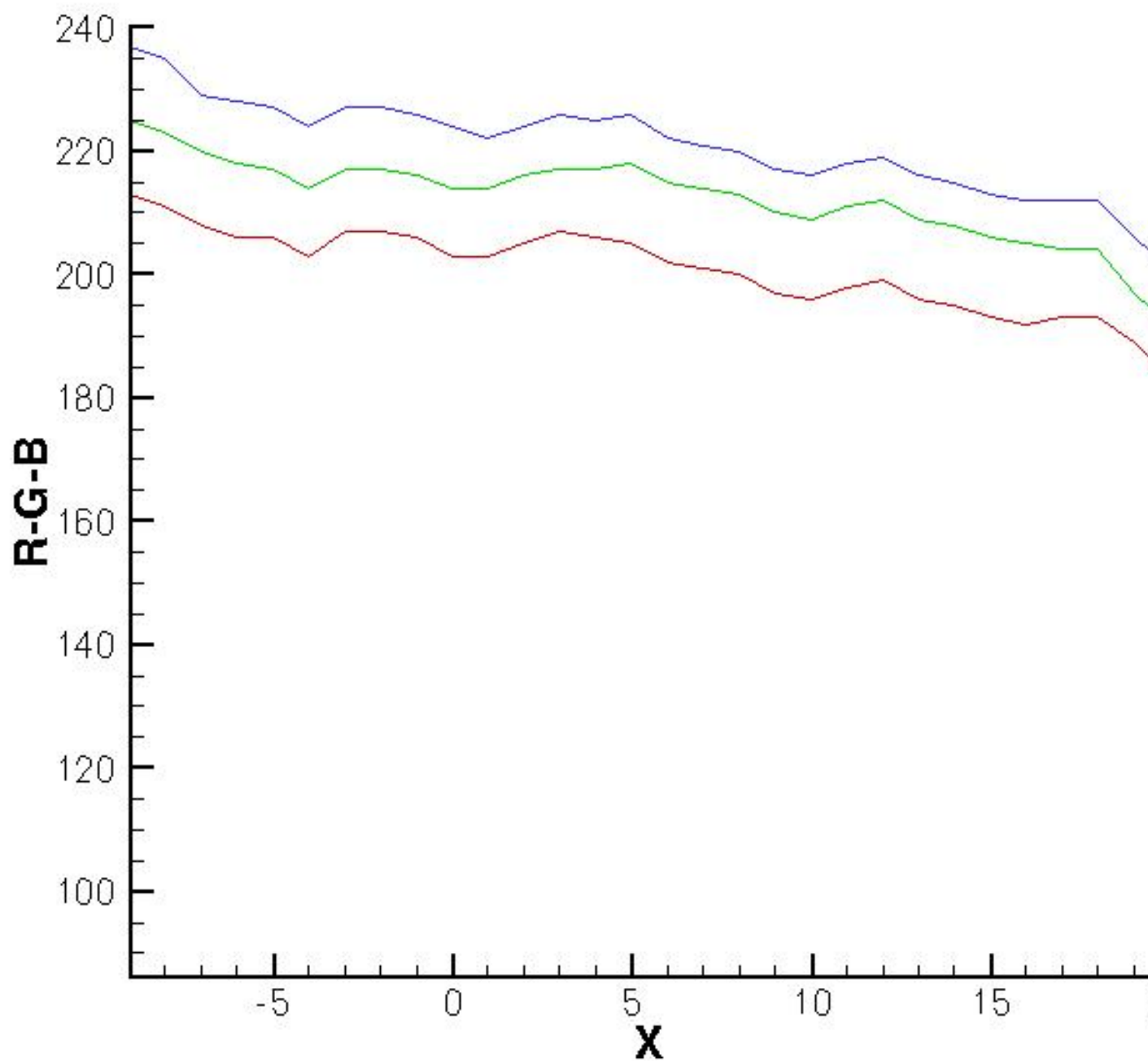


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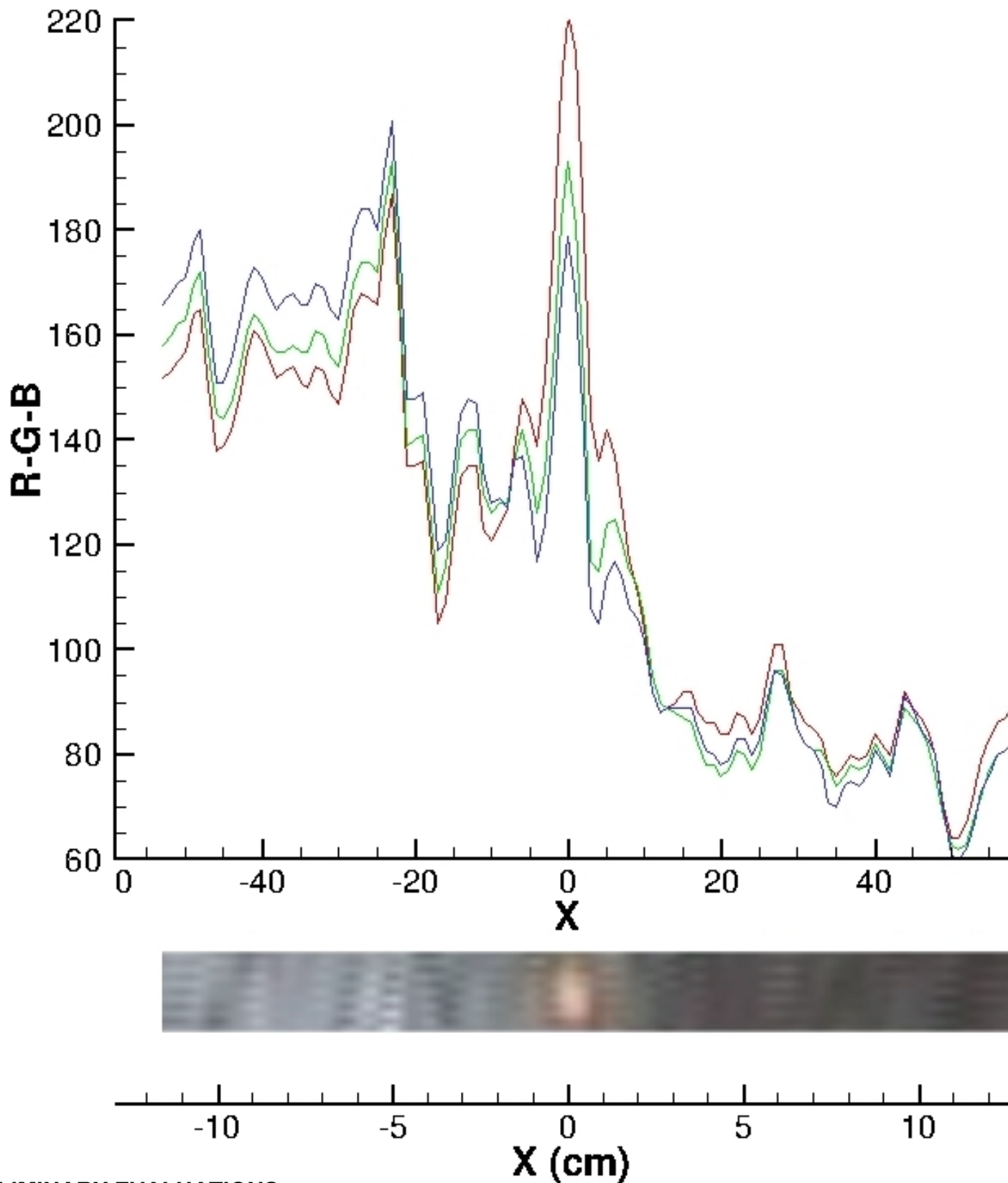
be used to design a system that is not only safe but also efficient. The following figure

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**PRELIMINARY EVALUATIONS:** the type of light emission from the ball is related to the type of the ball, for example, a blue ball emits a blue light, a red ball emits a red light, and a green ball emits a green light.

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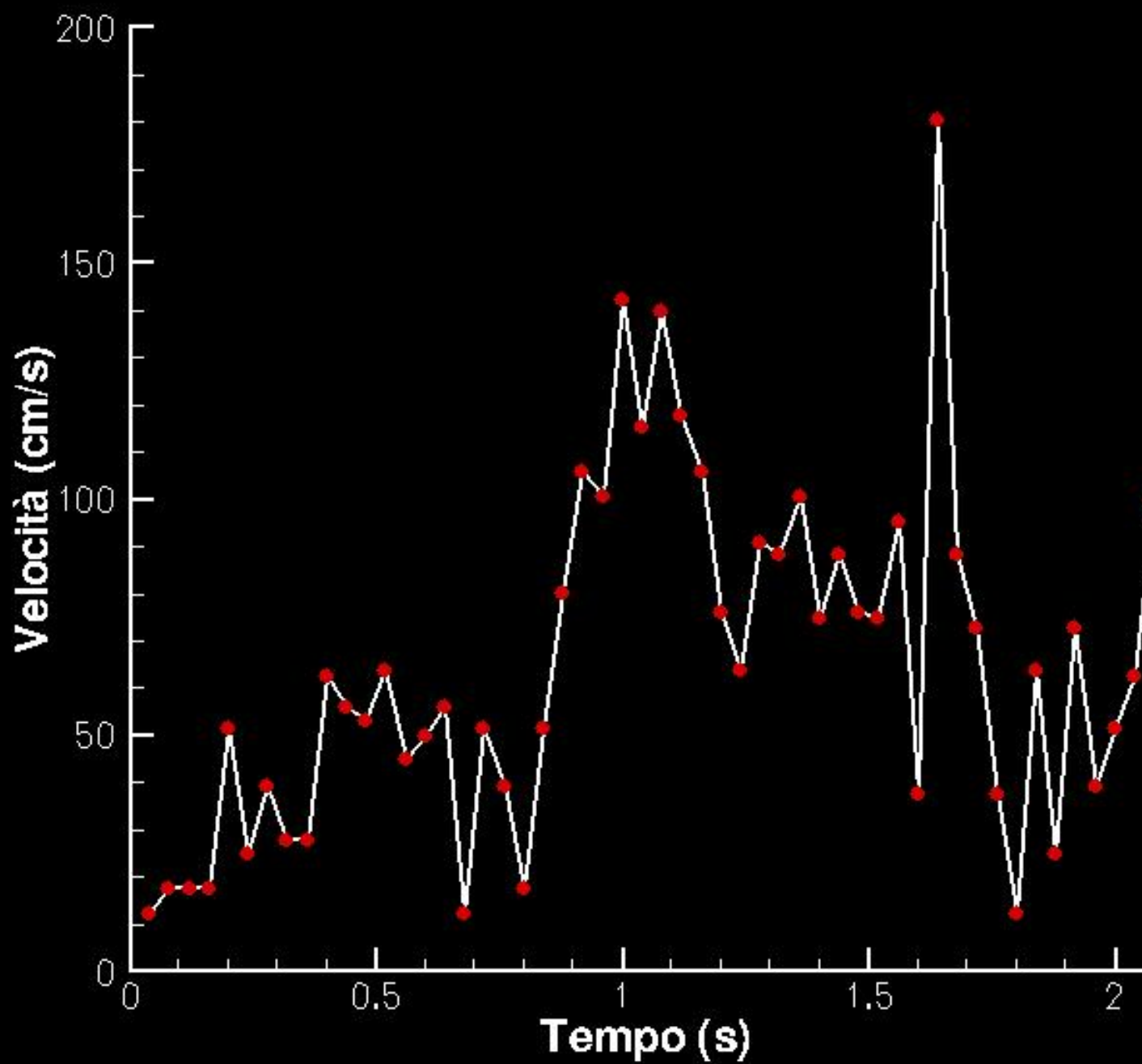
Ball lightning is a rare and mysterious phenomenon that occurs during thunderstorms. It is often described as a glowing, ball-like object that can move through the air, sometimes following a path or appearing to be attached to a surface. The phenomenon is typically observed as a bright, yellowish-orange sphere, but it can also appear as a series of smaller, glowing segments, as seen in the image above. The exact nature of ball lightning remains a subject of debate among scientists, with various theories proposed to explain its formation and behavior. Some suggest it is a form of plasma, while others believe it is a type of fire or a chemical reaction. Despite the lack of a definitive explanation, ball lightning continues to captivate the imagination of people around the world.

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Animated graph of the BL dynamics



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