

Flight of AB1JC-11 Light APRS Tracker May 21, 2022



Filling the 800 gr balloon with helium



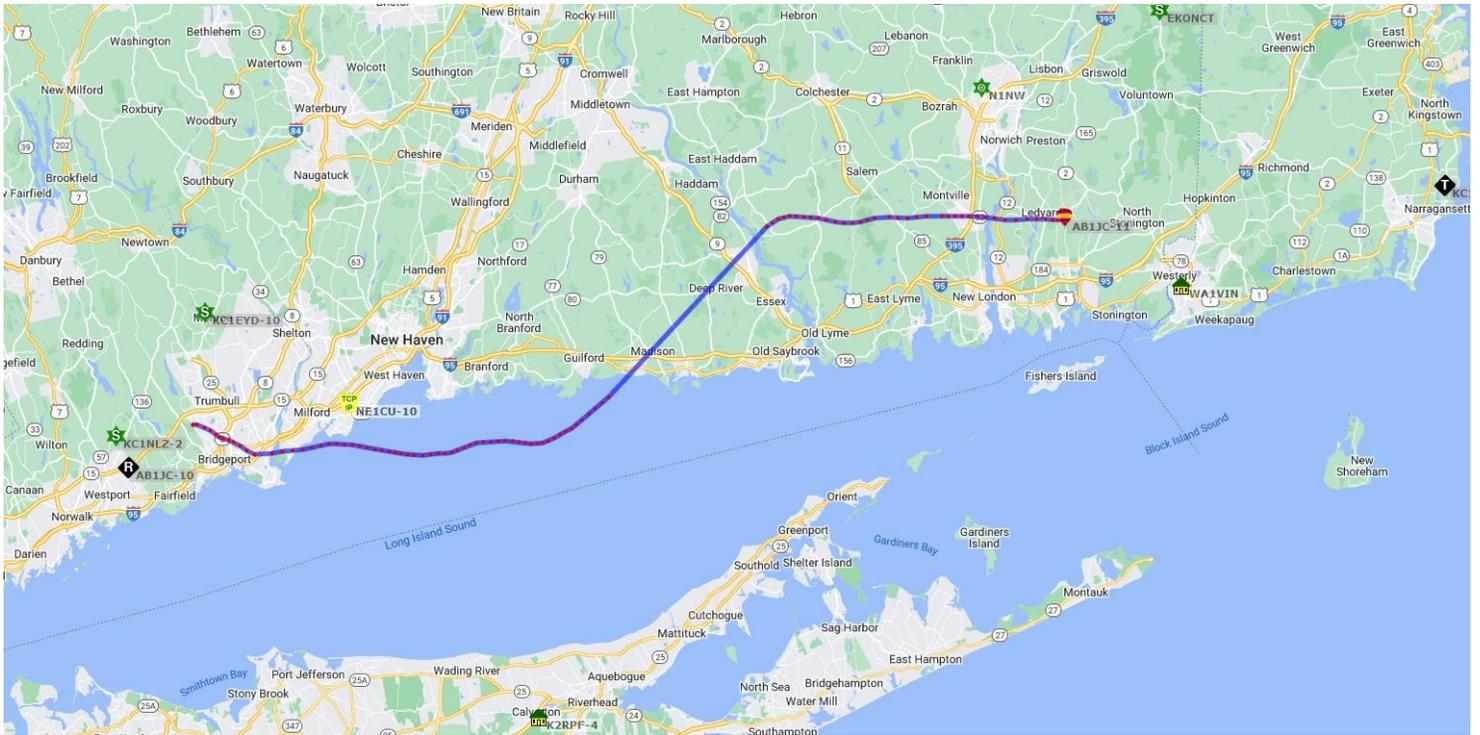
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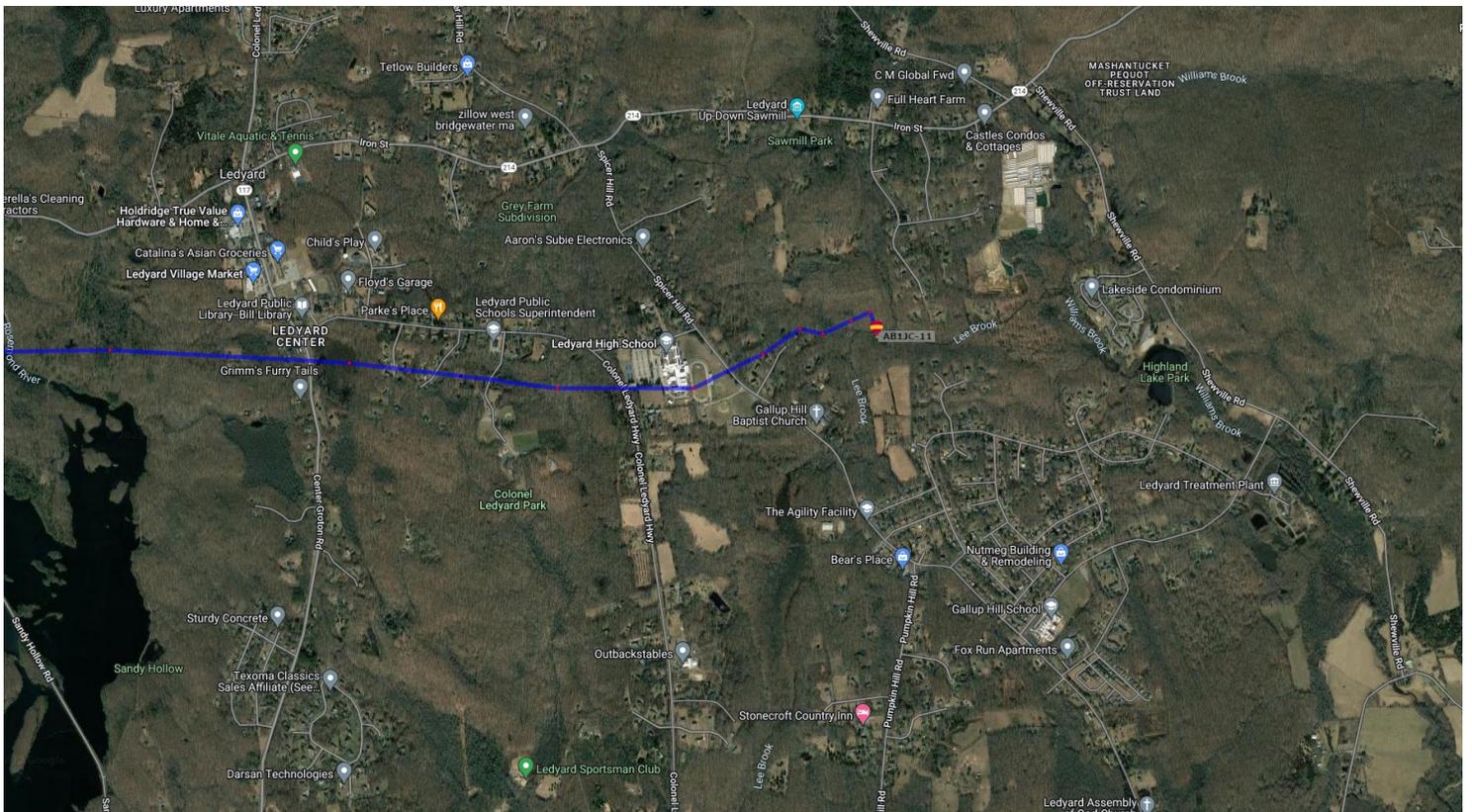
Launch from Veteran's Park, Bridgeport CT



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Actual flight Path of AB1JC-11



Landing of AB1JC-11

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The balloon was launched from Veteran's Park in Bridgeport CT and went east out over Long Island Sound.

Unbeknownst to us, the processor malfunctioned in flight and we thought the balloon was down. We do not know what altitude the balloon achieved, as the I2C failed so no pressure measurements were taken. Additionally the GPS altitude went negative just above 32,000 feet, indicating that it used a signed 16 bit integer in the software and it overflowed. An unsigned long integer would have been better, as would an outside pressure indicator.

The balloon then reappeared above CT and floated down to a gentle landing just past Ledyard CT High School. We do not plan on a recovery.

Post flight telemetry analysis and simulations indicate the balloon reached an altitude of 82,000 feet.

Thank you goes out to these members and friends of HARC who helped in this work

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