

Report on West Point

High Altitude Balloon (HAB) Missions

2017 & 2018

Eric Myers

HVOpen

6 June 2018



Two different groups!

For the past 8 years the *Astronomy Club* at West Point has launched an instrumented weather balloon (aka HAB) every spring.

I participated in two such launches, as reported here.

Separately, *Black Knight 2* is a Senior Design project in the Department of Electrical Engineering and Computer Science (EE 401/402) to launch a 2U cubesat into orbit.

It is a follow-on to Black Knight 1, which was launched on 20 Nov 2013 from Wallops Island, VA, but lost communication shortly afterwards.

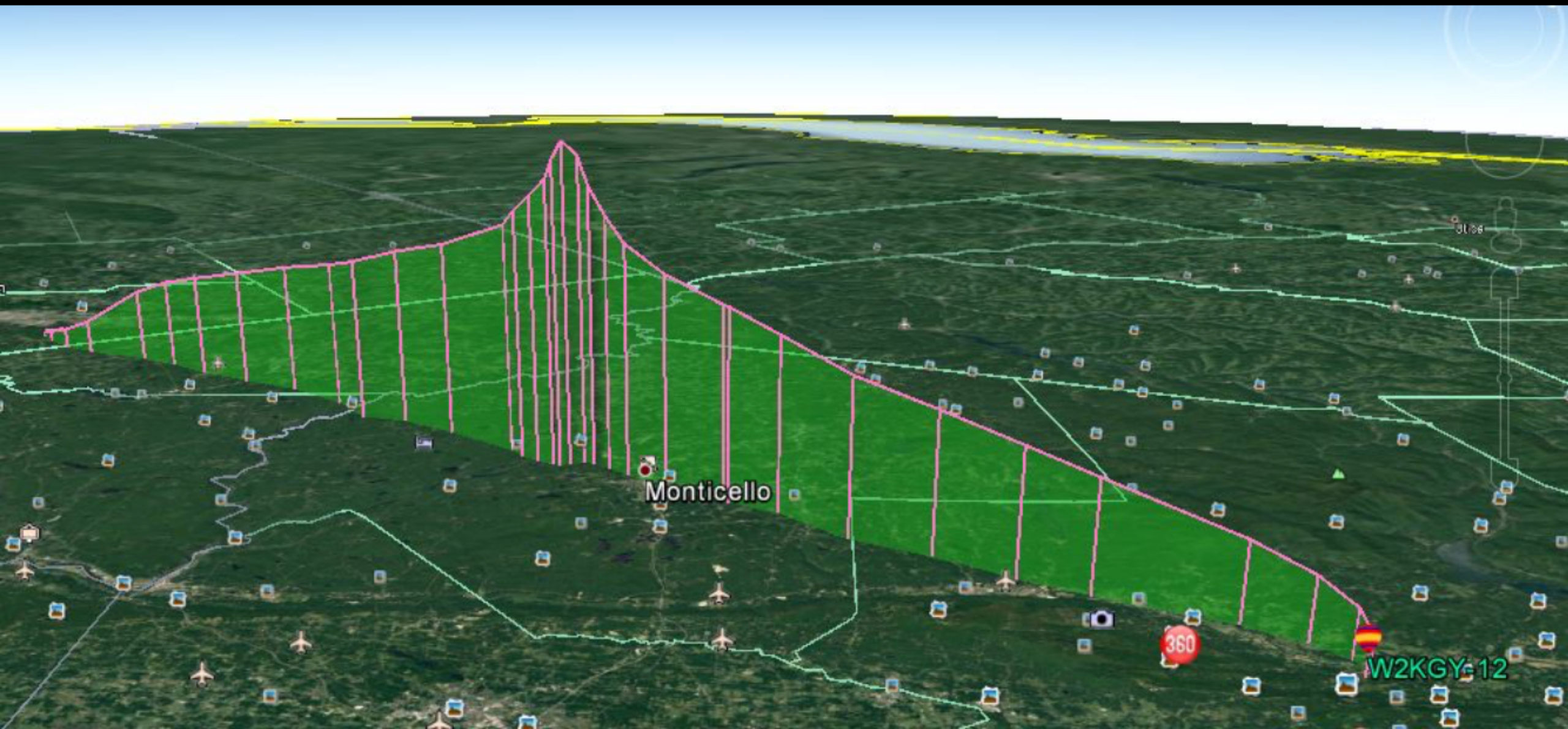
<http://www.n2yo.com/satellite/?s=39398>

22 April 2017









Monticello

360

W2KGY-12



Kurt Henry

11 mins · 🌐

LITTLE DID WE KNOW when we decided to march for science that SCIENCE WOULD attack our minivan on the way home! The alien menace attached to a burst balloon struck us in Alligerville. We called the number and the mad scientists are on their way. Will they vaporize us with death rays? Will they pay us in alien money to shut us up? Well, let them be warned...WE HAVE BRYNHILD TO PROTECT US.



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Lynne Porter



Lynne Porter Pesky science. Always attaching itself to cars. It should be banned before it takes over everything in the entire universe.

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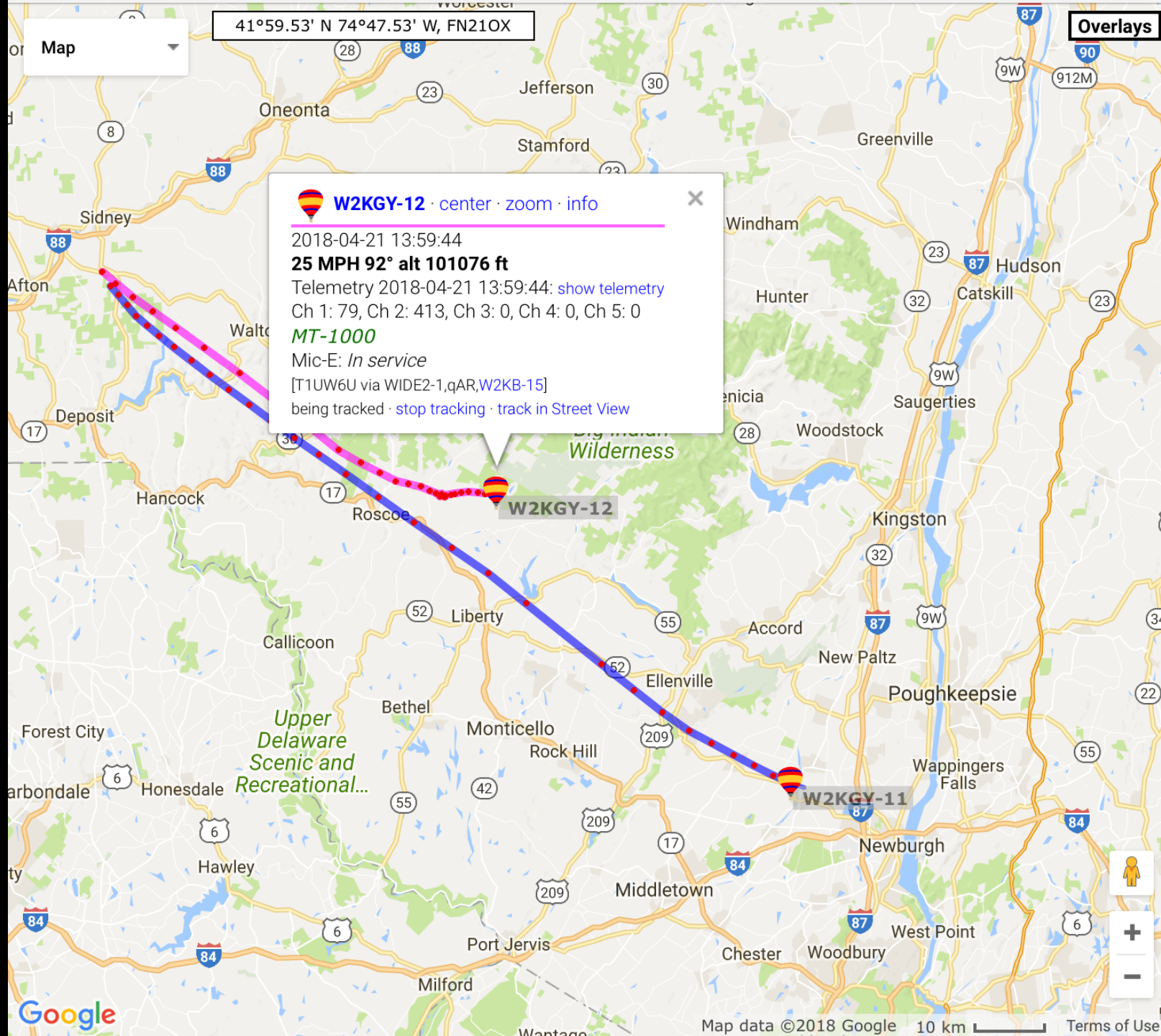
21 April 2018











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1 hour

W2KGY-12

Updated: 2018-04-21 13:59:44 (10s)
Position: 41°57.66' N 74°42.93' W

W2KGY-11

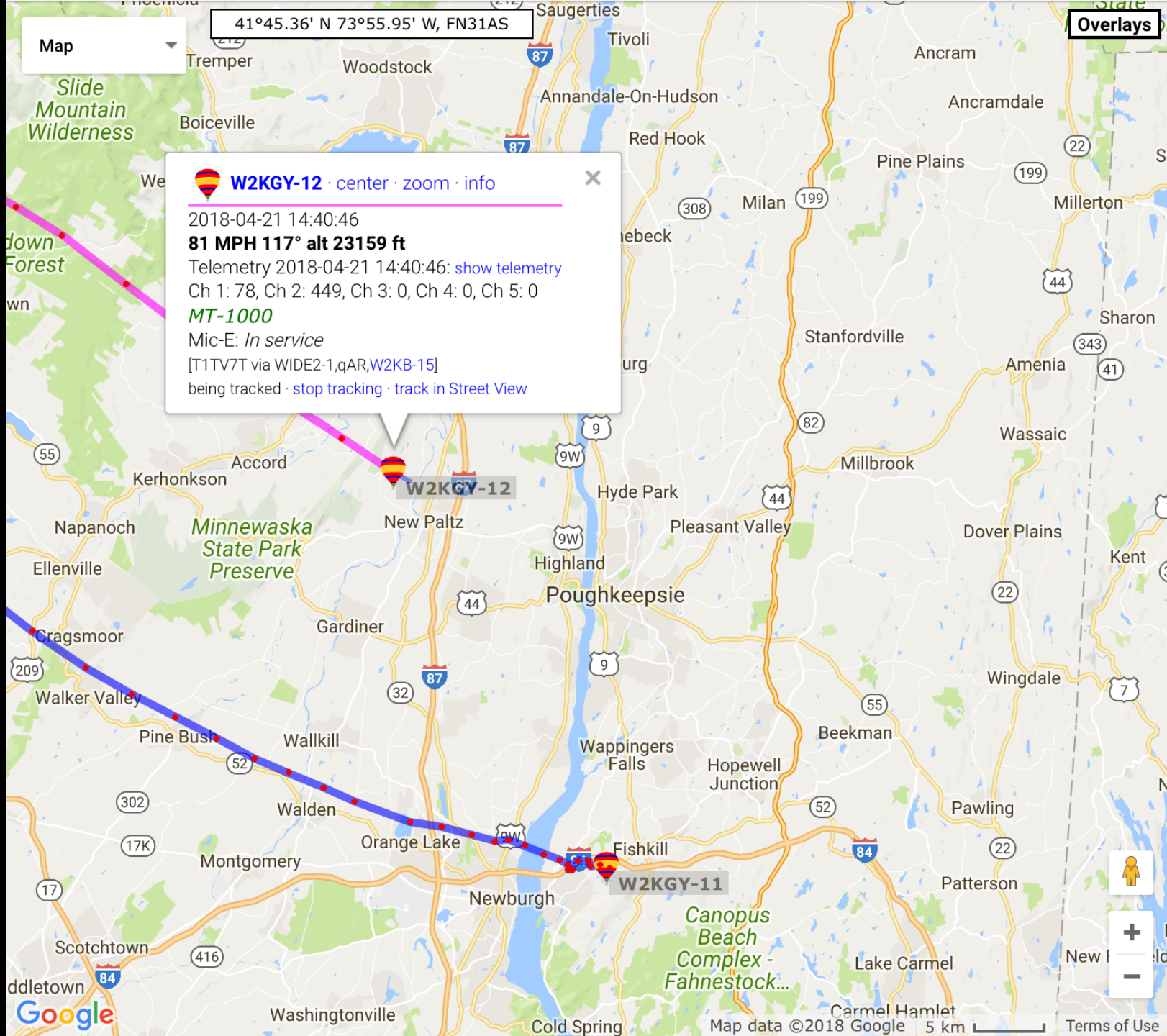
Updated: 2018-04-21 13:58:23 (1m)
Position: 41°35.10' N 74°12.23' W

2016 **2017** **2018** [Calendar](#) [Previous](#) [Next](#)

Other SSIDs: **W2KGY-11** **W2KGY-13**

Other views:

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- [Raw packets](#)
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Overlays

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1 hour [Show all](#)

Track tail length:

1 hour

W2KGY-12



Updated: 2018-04-21 14:40:46 (40s)

Position: 41°46.75' N 74°6.81' W

W2KGY-11



Updated: 2018-04-21 14:40:31 (55s)

Position: 41°31.39' N 73°55.75' W

2016

2017

2018



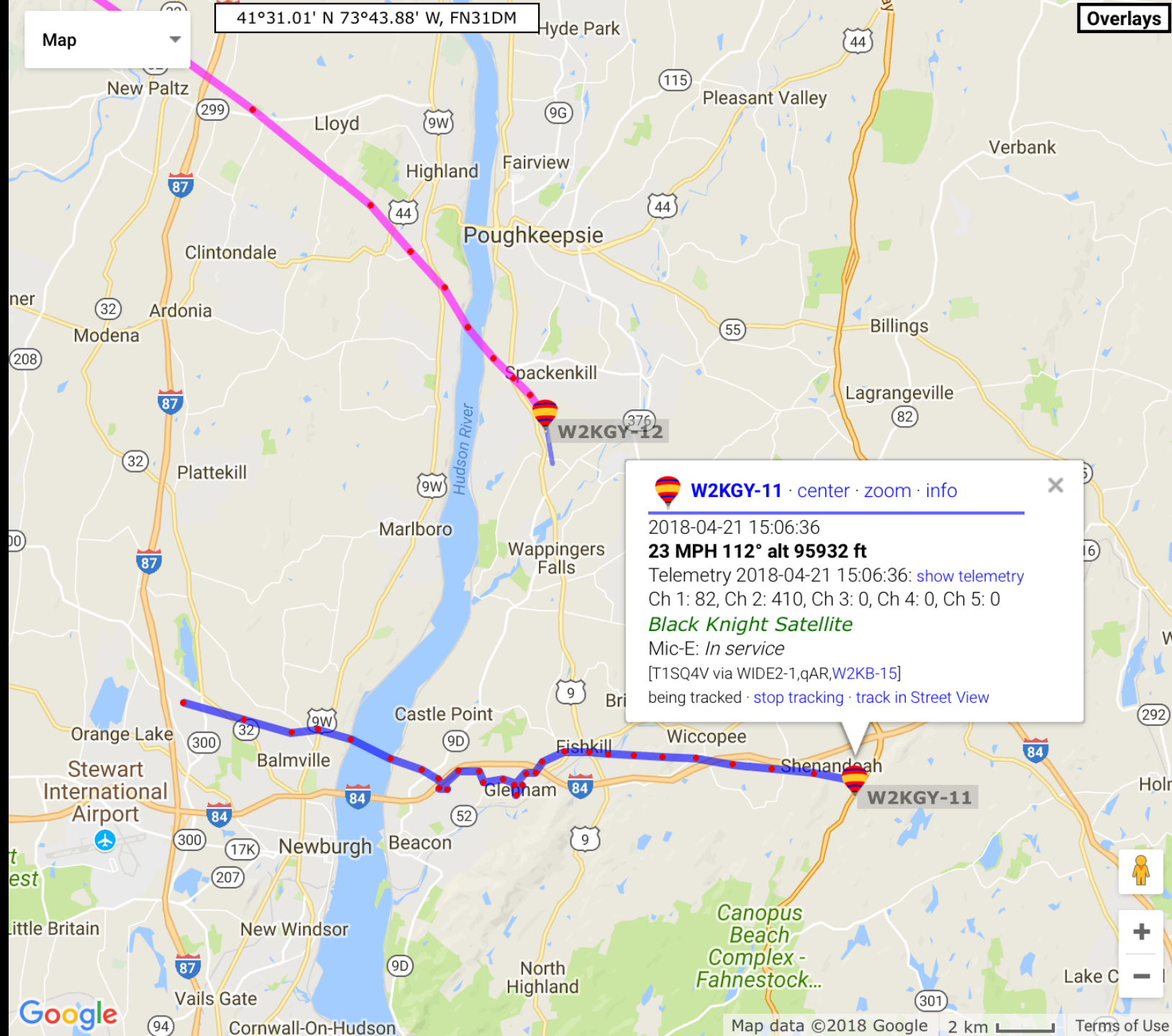
Other SSIDs: **W2KGY-11** W2KGY-13



Wx: 58°F 28% 1025 mbar 3.6 MPH N

Other views:

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41°31.01' N 73°43.88' W, FN31DM

Map

Overlays

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Search ?

Show last:

1 hour

Show all

Track tail length:

1 hour

W2KGY-12

Updated: 2018-04-21 15:02:50 (3m)

Position: 41°38.52' N 73°54.96' W

W2KGY-11

Updated: 2018-04-21 15:06:36 (13s)

Position: 41°31.46' N 73°46.96' W

2016

2017

2018

Other SSIDs: **W2KGY-11** W2KGY-13

Wx: 59°F 26% 1024 mbar 3.7 MPH NW

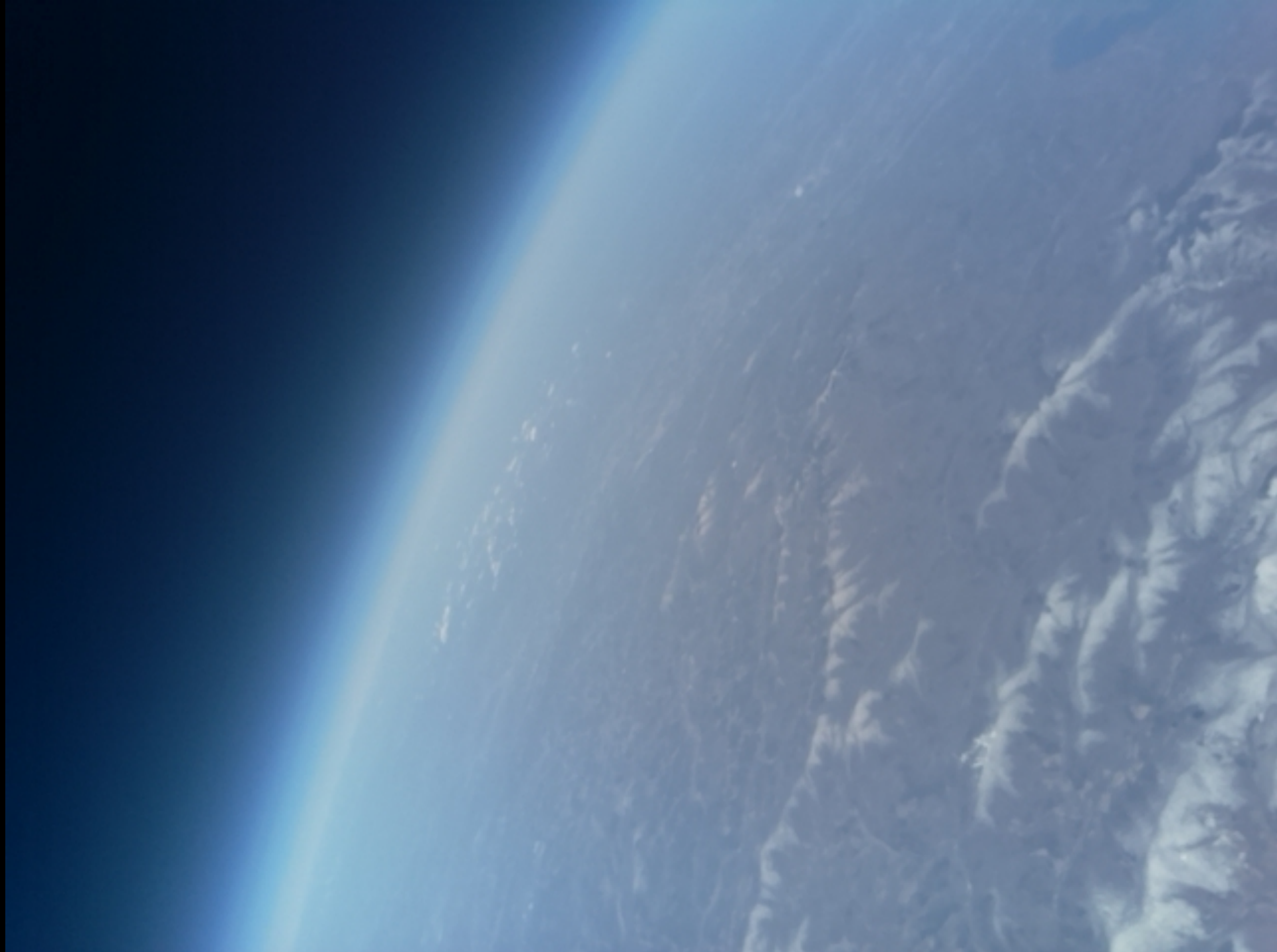
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W2KGY-11 · [center](#) · [zoom](#) · [info](#)

2018-04-21 15:06:36
23 MPH 112° alt 95932 ft
Telemetry 2018-04-21 15:06:36: [show telemetry](#)
Ch 1: 82, Ch 2: 410, Ch 3: 0, Ch 4: 0, Ch 5: 0
Black Knight Satellite
Mic-E: *In service*
[T1SQ4V via WIDE2-1,qAR,W2KB-15]
[being tracked](#) · [stop tracking](#) · [track in Street View](#)





Stratosbeer!

