

GPSL Pico Balloon Race



WB8ELK, KD4STH and KD0QCA balloon
photographed by Jeff Ducklow N0NQN
balloon at 53,000 feet. GPSL 2015

GPSL 2016



GPSL 2016 - Pecan Plantation, Texas:
9 Latex weather balloons launched. 3 Mylar Pico balloons.

GPSL 2016



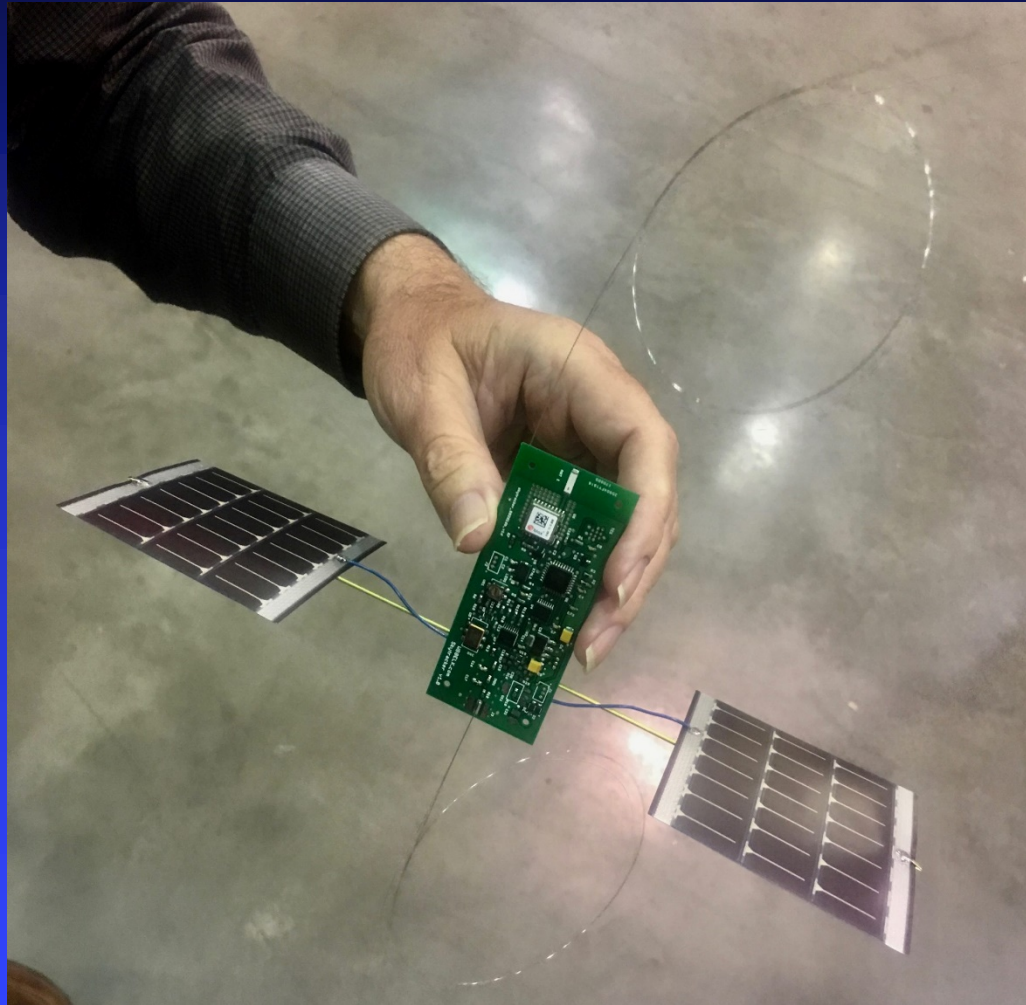
7 balloons in the air at once during group launch – GPSL 2016

GPSL 2016 Pico Balloon Race



First GPSL Pico Balloon Race: 3 Pico Mylar party balloons launched – GPSL 2016 (1 to r): WB8ELK, AB5SS and KD2EAT.

GPSL 2016 Race



WB8ELK Skytracker totally solar-powered APRS tracker – 12 grams.

GPSL 2016 Race

The screenshot shows the habhub tracker website interface. At the top, there are browser tabs for Facebook, Google Maps APRS, NOAA HYSPLIT Trajectory, and habhub tracker. The URL is tracker.habhub.org/#!mt=roadmap&mz=6&qm=3_days&mc=30.41388,-102.6353&f=WB8MSJ-11. The search bar shows coordinates 34.4092, -86.8125. The map displays 12 balloons with their call signs and predicted paths. A detailed data panel for WB8MSJ-11 is visible on the left, showing speed (0.0 m/s), altitude (7,544 m), date (2016-06-19 08:25:20), coordinates (26.15867, -106.898), and other technical details. On the right, there is a 'Welcome' section with a chat link, a calendar for June 2016, and a 'Contribute' section.

Search: 34.4092, -86.8125

UTC: 2016-06-21 15:22:22
Local: 2016-06-21 10:22:22 -5
Azimuth: 249.52° S 70° W
Elevation: -9.38' 2121.7 km

WB8MSJ-11
0.0 m/s 0.0 km/h
RATE VIII
7,544 m (7,797 m)
ALTITUDE (MAX)
2016-06-19 08:25:20
DATE/TIME (LOCAL)
26.15867, -106.898
COORDINATES
10.3.34.11.7544.23
COMMENT
1 LOCK
10 SATS
3.34 SOLAR (VOLTS)
11 TEMP (DEG.C)
Received 2d 1h ago via:
APRS, XE2JA-10

WB8MSJ-11
WB8MSJ-11
WB8MSJ-11
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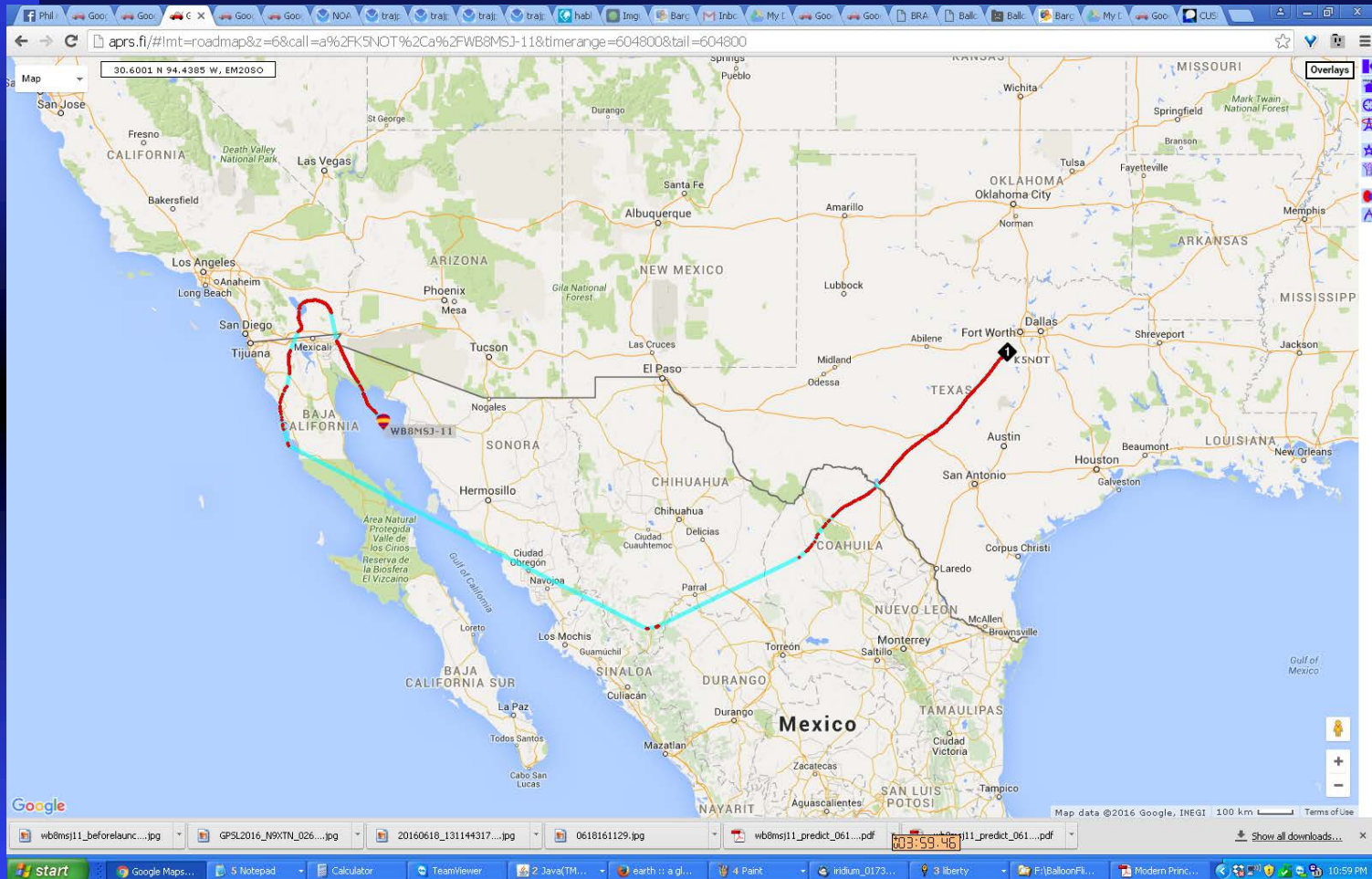
Updated: 8s ago

15:22:23

start | indium_39920 - Mozil... | Liberty BASIC v4.03 [...]| Program named - 'F':... | Mesock32.DLL SMTP... | habhub tracker (high... | ab5ss11_rawdata_06... | Calculator | 10:22 AM

A busy tracking map with 12 balloons in the air at the same time.
GPSL 2016

GPSL 2016 Race



WB8MSJ-11 Pico balloon floated at 26k feet for 6.5 days and flew to Mexico and California from our launchsite near Dallas, Texas.

GPSL 2017



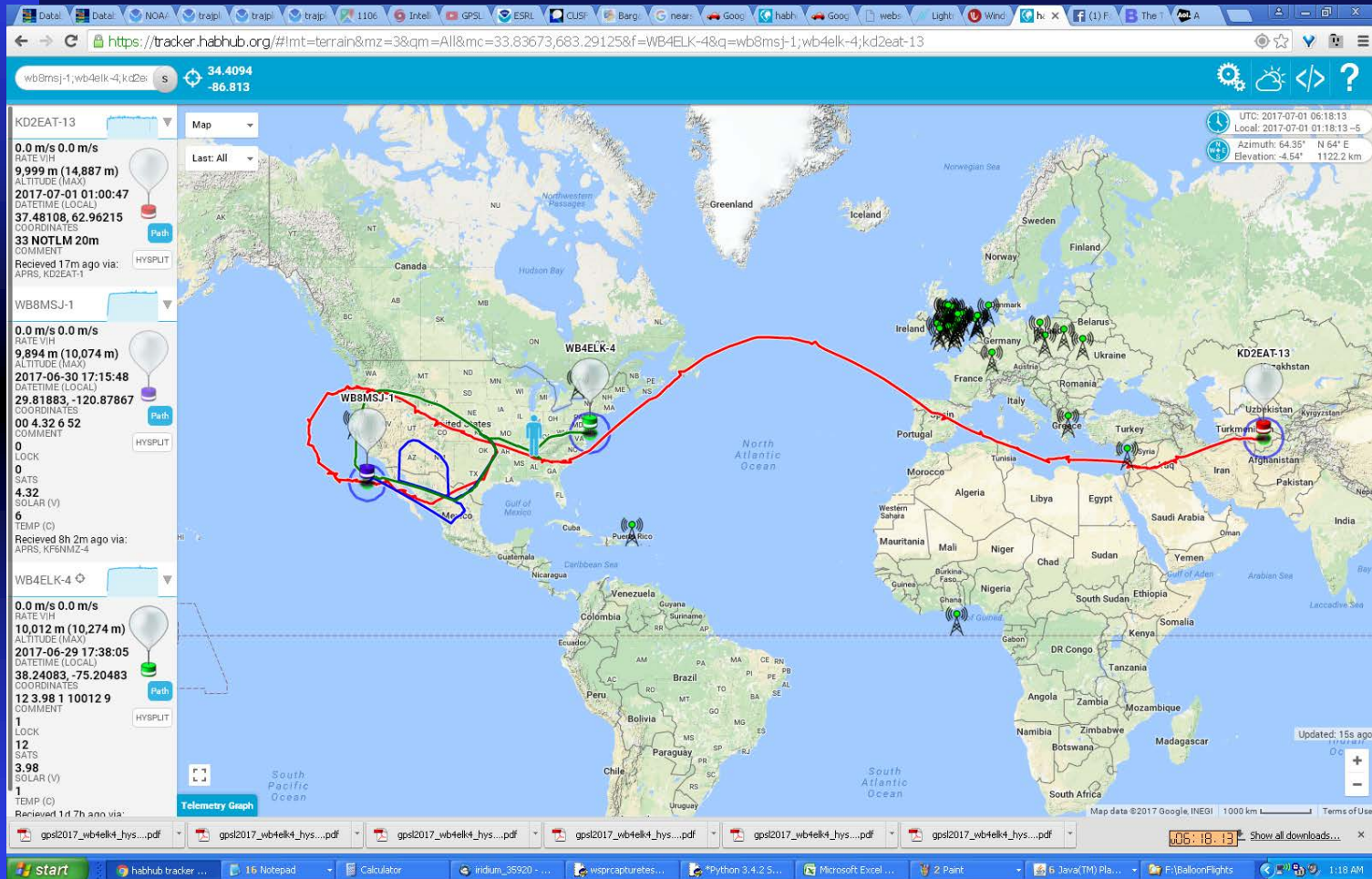
GPSL 2017 Hutchinson Kansas.

GPSL 2017 Great Pico Race



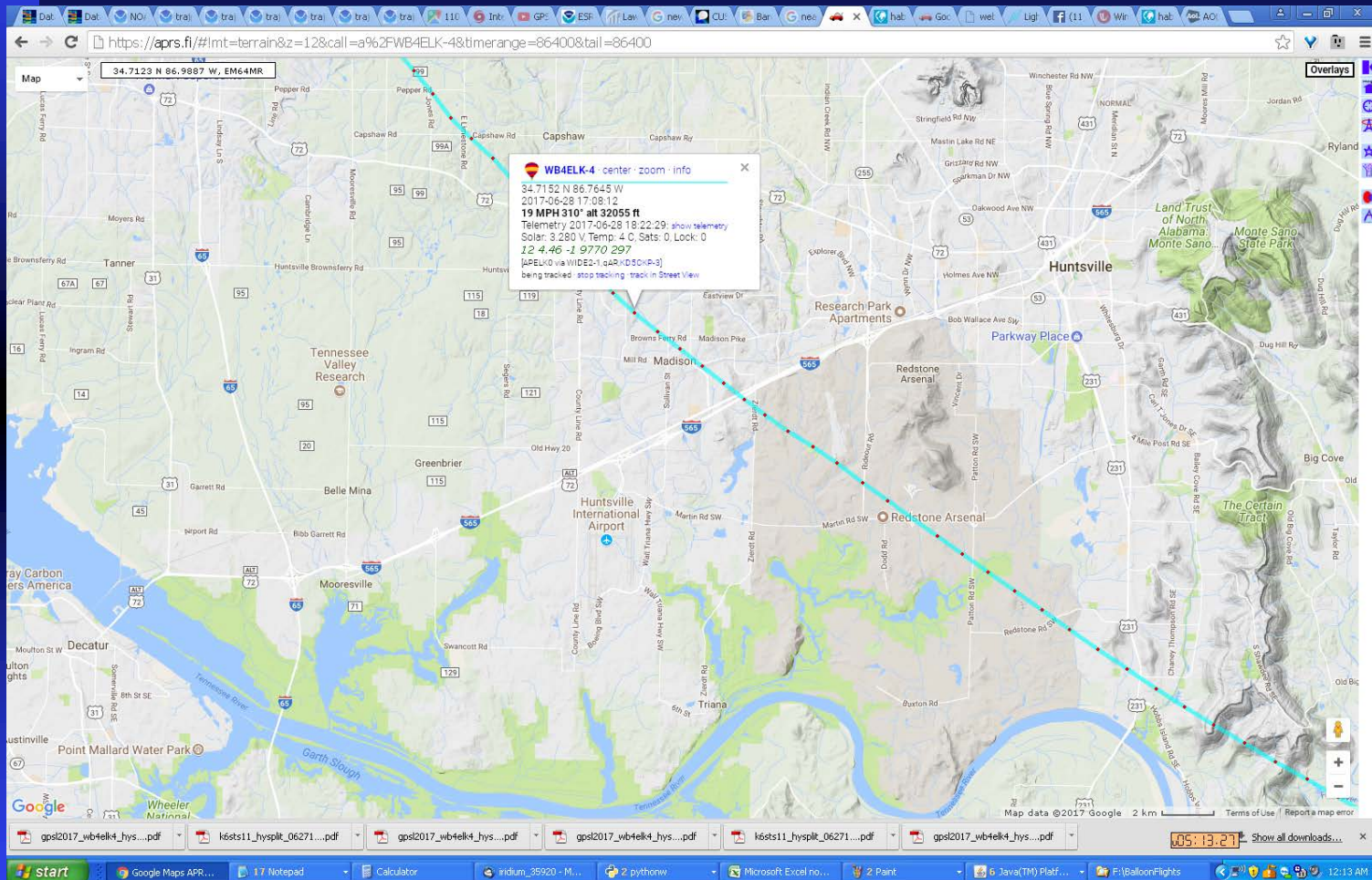
Great Pico Balloon Race at GPSL 2017 in Hutchinson Kansas.

GPSL 2017 Great Pico Race



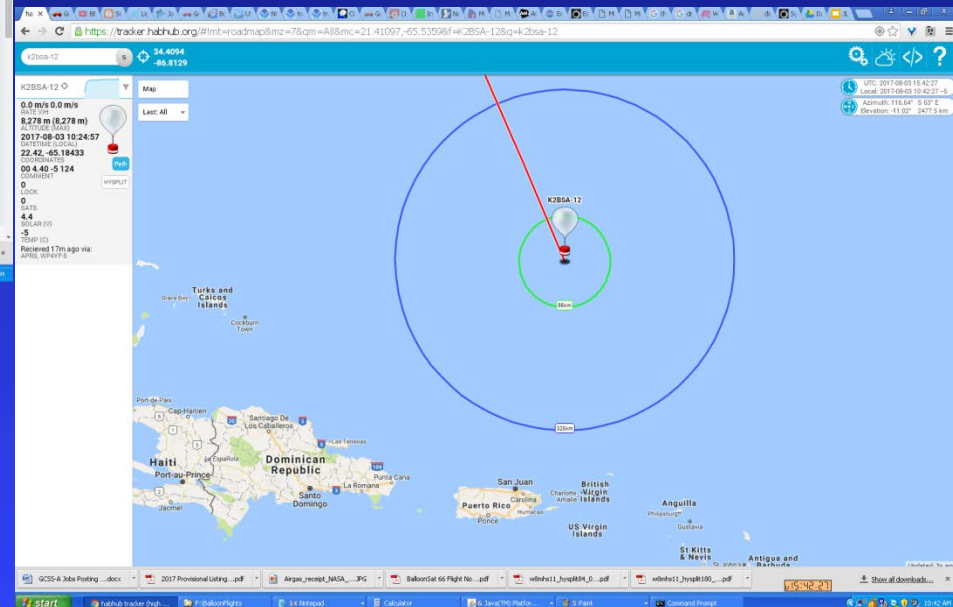
The GPSL 2017 Great Pico Balloon Race lasted 22 days.
WB4ELK-4, WB8MSJ-1 and KD2EAT-13 (KD2EAT used WSPR mode)

GPSL 2017 Great Pico Race



After 14 days of flight and traveling 5500 miles WB4ELK-4 flew directly over my work and house in Huntsville Alabama.

Boy Scout Jamboree launches

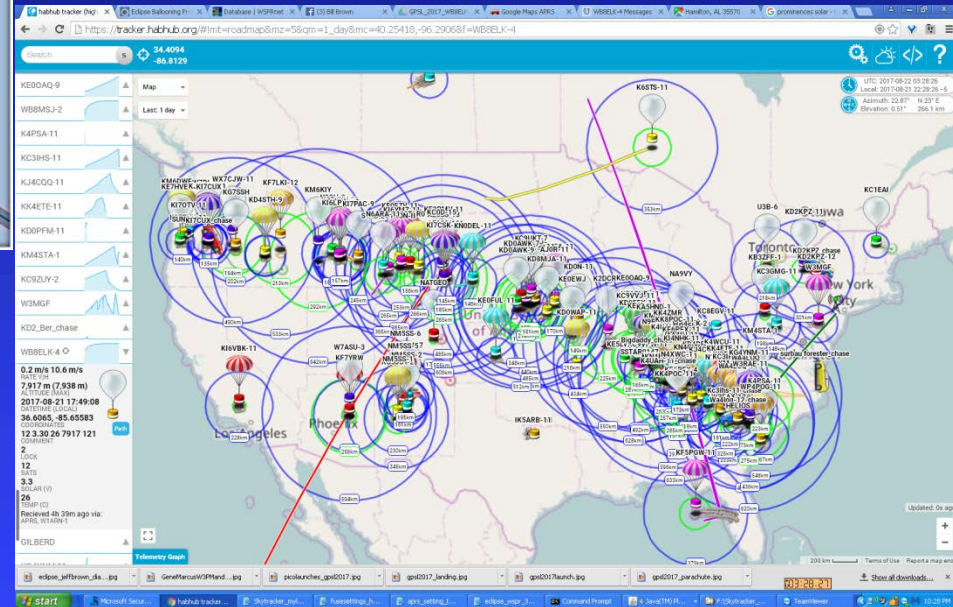


Keith WA0TJT along with many Scouts launched two Pico balloons from the National Jamboree in WVA from the K2BSA tent. 10-day flight last heard over the Dominican Republic.

Eclipse 2017



Solar Eclipse Balloons



Over 100 amateur radio balloons flew during the solar eclipse.

Eclipse 2017



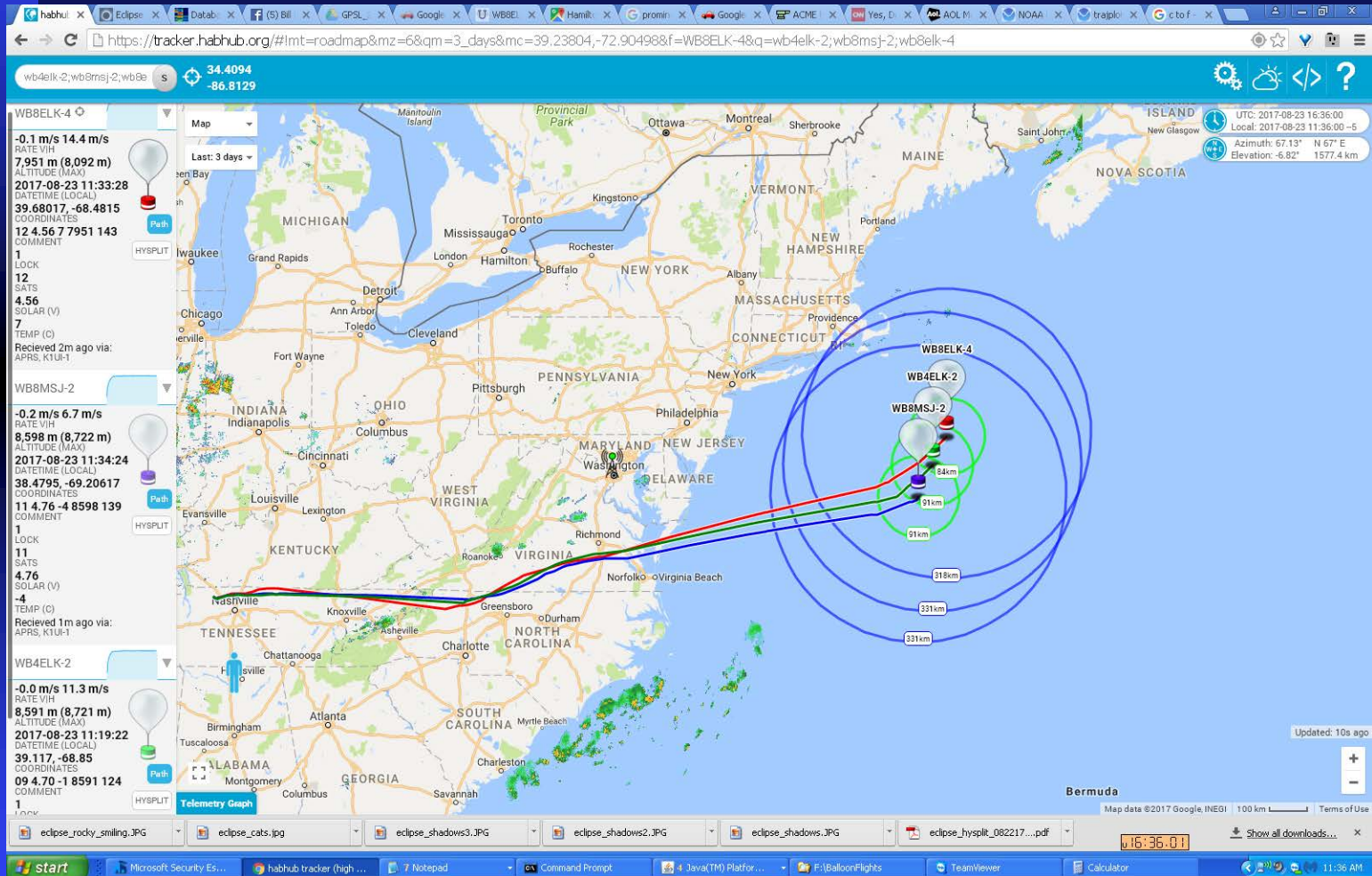
Three Pico Skytracker balloons were flown from Clarksville TN

Solar Eclipse Balloons



Three solar eclipse Skytracker balloons flew through the eclipse path.

Eclipse 2017



The Three SkyTracker eclipse balloons stayed up for 4 days.

Mill Creek Elementary



5th Grade STEM class get ready to launch a superpressure balloon for the Global Space Balloon Challenge competition.

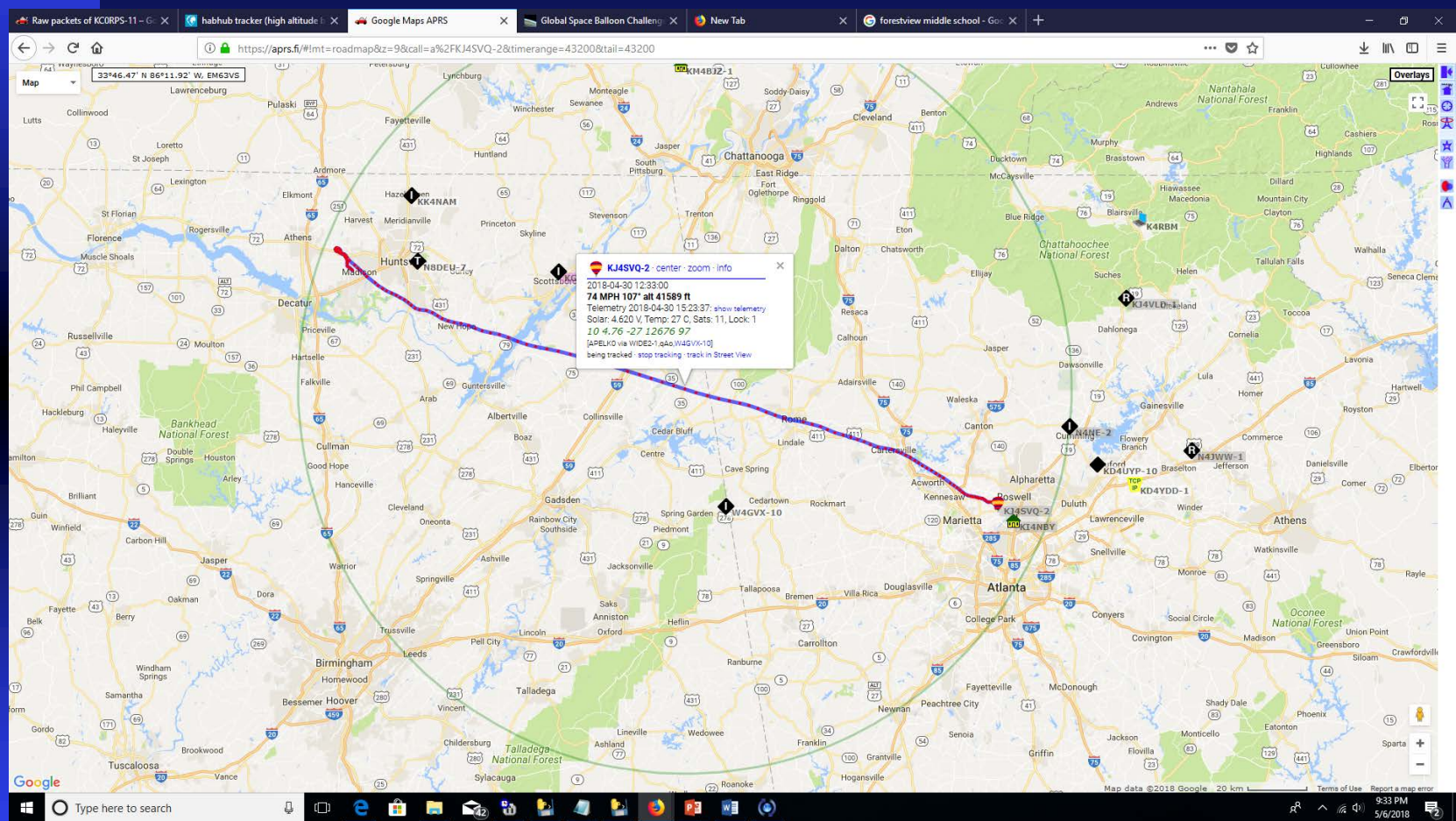
Mill Creek Elementary



Mission Goal: To be the first Elementary school to circumnavigate the World.



Mill Creek Elementary



Balloon developed leak so our new mission became “Same-Day Balloon Mail”
Delivered to Ralph Fowler N4NEQ in Georgia - 153 miles away



Now this is the way to
recover a balloon !!

Property owner turned out
to be the local fire truck
operator.

Now this is the way to
recover a balloon !!



Ralph Fowler N4NEQ takes delivery of his Balloon-Mail parcel !!



Results: Same-Day Balloon Mail will be practical once we develop payloads that can avoid balloon-eating trees.

Dayton Hamvention Pico balloon flight



Dayton Hamvention Pico balloon flight

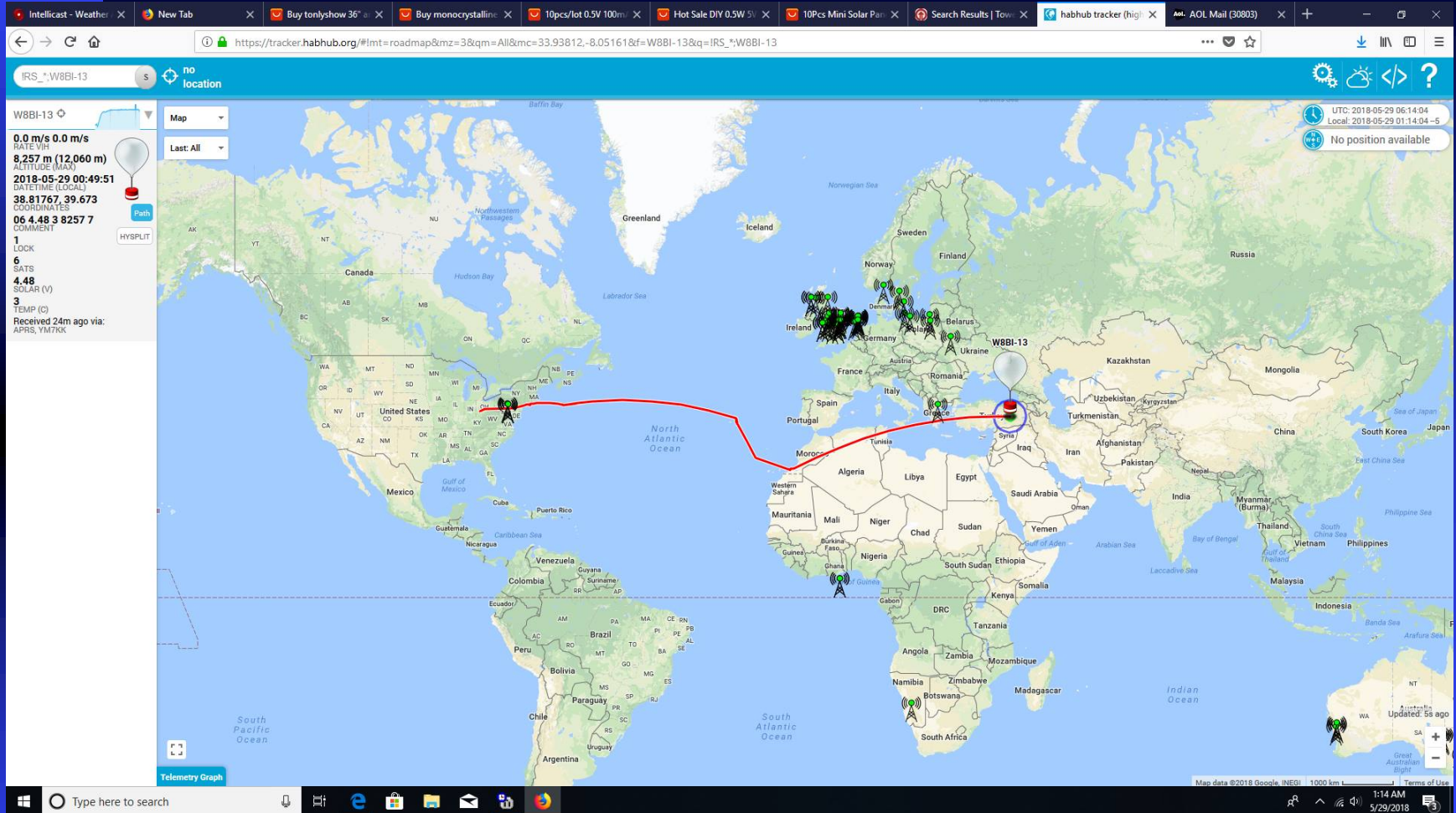


Dayton Hamvention Pico balloon flight



The Hamvention Hexbeam snags the W8BI-13 pico balloon

Dayton Hamvention Pico balloon flight



11 day flight from Dayton Hamvention to Turkey



Questions?

Very Angry Bird in Near Space



Contact info:
WB8ELK@gmail.com