From:	Curry, Tim
To:	Adams, Adam; Crossland, Ronnie; Rauscher, Jon; Turner, Philip; Fisher, Kelsey; Patel, Anish; Rouse, Philip; Smith, Monica; Petersen, Chris; Mason, Steve; David Cook; Janine.Latham@WestonSolutions.com; b.latham@westonsolutions.com; Mason, Steve; Loesel, Matthew; Daniel Tighe; Delgado, Eric; robert.kroutil@kalmancoinc.com; Cardarelli, John; Turville, Rick; Moore, Gary; Mickunas, Dave
Cc:	Hudson, Scott; Perovich, Gina
Subject:	RE: ASPECT update 10 - Kemco fire response
Date:	Wednesday, April 3, 2019 9:42:25 AM
Attachments:	aspect_aircraft_location.kmz Flight Lines.jpg IMG_1469.JPG 20190403141405711.jpg

Team,

The attached files include the flight path and data acquisition markers, an oblique photo of the facility and the ortho-rectified overhead image of the plant. The crew has ended the KMCO portion of the mission and is moving on to the ITC portion.

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From: Curry, Tim
Sent: Wednesday, April 03, 2019 9:23 AM
To: Adams, Adam <Adams.Adam@epa.gov>; Crossland, Ronnie <Crossland.Ronnie@epa.gov>; Rauscher, Jon <Rauscher.Jon@epa.gov>; Turner, Philip <Turner.Philip@epa.gov>; Fisher, Kelsey <fisher.kelsey@epa.gov>; Patel, Anish <patel.anish@epa.gov>; Rouse, Philip <rouse.philip@epa.gov>; Smith, Monica <smith.monica@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>; Mason, Steve <mason.steve@epa.gov>; 'David Cook' <david.cook@westonsolutions.com>; Janine.Latham@WestonSolutions.com; 'b.latham@westonsolutions.com' <b.latham@westonsolutions.com>; Mason, Steve <mason.steve@epa.gov>; Loesel, Matthew <loesel.matthew@epa.gov>; Daniel Tighe <Daniel.Tighe@WestonSolutions.com>; Delgado, Eric <Delgado.Eric@epa.gov>; robert.kroutil@kalmancoinc.com; Cardarelli, John <Cardarelli.John@epa.gov>; 'Turville, Rick' <Rick.Turville@kalmancoinc.com>; Gary Moore <Moore.Gary@epa.gov>; Mickunas, Dave <Mickunas.Dave@epa.gov>
Cc: Scott Hudson <Hudson.Scott@epa.gov>; Perovich, Gina <Perovich.Gina@epa.gov>
Subject: RE: ASPECT update 9 - Kemco fire response

Team,

There have been four data acquisition passes over the KMCO facility. The automated processing has

not alarmed for any compounds in the pattern recognition list. The data from this portion of the mission is being saved to disk for post flight review. The mission folders will be reset for the ITC site collections.

From: Curry, Tim
Sent: Wednesday, April 03, 2019 8:50 AM
To: Adams, Adam <Adams.Adam@epa.gov>; Crossland, Ronnie <Crossland.Ronnie@epa.gov>; Rauscher, Jon <Rauscher.Jon@epa.gov>; Turner, Philip <Turner.Philip@epa.gov>; Fisher, Kelsey <fisher.kelsey@epa.gov>; Patel, Anish <patel.anish@epa.gov>; Rouse, Philip <rouse.philip@epa.gov>; Smith, Monica <smith.monica@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>; Mason, Steve <mason.steve@epa.gov>; 'David Cook' <david.cook@westonsolutions.com>; Janine.Latham@WestonSolutions.com; 'b.latham@westonsolutions.com' <b.latham@westonsolutions.com>; Mason, Steve <mason.steve@epa.gov>; Loesel, Matthew <loesel.matthew@epa.gov>; Daniel Tighe <Daniel.Tighe@WestonSolutions.com>; Delgado, Eric <Delgado.Eric@epa.gov>; robert.kroutil@kalmancoinc.com; Cardarelli, John <Cardarelli.John@epa.gov>; 'Turville, Rick' <Rick.Turville@kalmancoinc.com>; Gary Moore <Moore.Gary@epa.gov>; Mickunas, Dave <Mickunas.Dave@epa.gov>
Cc: Scott Hudson <Hudson.Scott@epa.gov>; Perovich, Gina <Perovich.Gina@epa.gov>
Subject: RE: ASPECT update 8 - Kemco fire response

Team,

The aircraft has taken off. The estimated time over target is 0900. If there are any questions or requests to add let me know.

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From: Curry, Tim
Sent: Wednesday, April 03, 2019 8:28 AM
To: Adams, Adam <Adams.Adam@epa.gov>; Crossland, Ronnie <Crossland.Ronnie@epa.gov>; Rauscher, Jon <Rauscher.Jon@epa.gov>; Turner, Philip <Turner.Philip@epa.gov>; Fisher, Kelsey <fisher.kelsey@epa.gov>; Patel, Anish <patel.anish@epa.gov>; Rouse, Philip <rouse.philip@epa.gov>; Smith, Monica <smith.monica@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>; Mason, Steve <mason.steve@epa.gov>; 'David Cook' <david.cook@westonsolutions.com>; Janine.Latham@WestonSolutions.com; 'b.latham@westonsolutions.com' <b.latham@westonsolutions.com>; Mason, Steve

<mason.steve@epa.gov>; Loesel, Matthew <loesel.matthew@epa.gov>; Daniel Tighe <Daniel.Tighe@WestonSolutions.com>; Delgado, Eric <Delgado.Eric@epa.gov>; robert.kroutil@kalmancoinc.com; Cardarelli, John <Cardarelli.John@epa.gov>; 'Turville, Rick' <Rick.Turville@kalmancoinc.com>; Gary Moore <Moore.Gary@epa.gov>; Mickunas, Dave <Mickunas.Dave@epa.gov>
Cc: Scott Hudson <Hudson.Scott@epa.gov>; Perovich, Gina <Perovich.Gina@epa.gov>
Subject: RE: ASPECT update 7 - Kemco fire response

Team,
We are planning a post event screening flight over the KMCO facility for the first part of a mixed-mission flight today. The crew is planning to be airborne at approximately 0900 am. They will proceed first to the KMCO site and collect data. We will do the initial processing and review of results. Once they are released from the KMCO mission they will restart the mission files to change to the ITC site data acquisitions. If you have any questions please call my cell phone.

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From: Curry, Tim
Sent: Tuesday, April 02, 2019 5:19 PM
To: Adams, Adam <Adams.Adam@epa.gov>; Crossland, Ronnie <Crossland.Ronnie@epa.gov>; Rauscher, Jon <Rauscher.Jon@epa.gov>; Turner, Philip <Turner.Philip@epa.gov>; Fisher, Kelsey <fisher.kelsey@epa.gov>; Patel, Anish <patel.anish@epa.gov>; Rouse, Philip <rouse.philip@epa.gov>; Smith, Monica <smith.monica@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>; Mason, Steve <mason.steve@epa.gov>; David Cook <david.cook@westonsolutions.com>; Janine.Latham@WestonSolutions.com; b.latham@westonsolutions.com; Mason, Steve <mason.steve@epa.gov>; Loesel, Matthew <loesel.matthew@epa.gov>; Daniel Tighe <Daniel.Tighe@WestonSolutions.com>; Delgado, Eric <Delgado.Eric@epa.gov>; robert.kroutil@kalmancoinc.com; Cardarelli, John <Cardarelli.John@epa.gov>; Turville, Rick <Rick.Turville@kalmancoinc.com>; Gary Moore <Moore.Gary@epa.gov>; Mickunas, Dave <Mickunas.Dave@epa.gov>
Cc: Scott Hudson <Hudson.Scott@epa.gov>; Perovich, Gina <Perovich.Gina@epa.gov>
Subject: RE: ASPECT update 6 - Kemco fire response

Team,

Attached is the draft report for the KMCO response conducted earlier today. If you identify some comments or edits that are needed please let me know. A site specific link with the data set is in the process of being built. Once it is ready for review I will include it in a later update. Call my cell

phone if you have any questions or requests.

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From: Curry, Tim
Sent: Tuesday, April 02, 2019 2:48 PM
To: Adams, Adam <Adams.Adam@epa.gov>; Crossland, Ronnie <Crossland.Ronnie@epa.gov>; Rauscher, Jon <Rauscher.Jon@epa.gov>; Turner, Philip <Turner.Philip@epa.gov>; Fisher, Kelsey <fisher.kelsey@epa.gov>; Patel, Anish <patel.anish@epa.gov>; Rouse, Philip <rouse.philip@epa.gov>; Smith, Monica <smith.monica@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>; Mason, Steve <mason.steve@epa.gov>; 'David Cook' <david.cook@westonsolutions.com>; Janine.Latham@WestonSolutions.com; 'b.latham@westonsolutions.com' <b.latham@westonsolutions.com>; Mason, Steve <mason.steve@epa.gov>; Loesel, Matthew <loesel.matthew@epa.gov>; Daniel Tighe <Daniel.Tighe@WestonSolutions.com>; Delgado, Eric <Delgado.Eric@epa.gov>; robert.kroutil@kalmancoinc.com; Cardarelli, John <Cardarelli.John@epa.gov>; 'Turville, Rick' <Rick.Turville@kalmancoinc.com>; Gary Moore <Moore.Gary@epa.gov>; Mickunas, Dave <Mickunas.Dave@epa.gov>
Cc: Scott Hudson <Hudson.Scott@epa.gov>; Perovich, Gina <Perovich.Gina@epa.gov>
Subject: RE: ASPECT update 5 - Kemco fire response

Team,
The last pass between the site and the school had one single scan with a detect of isobutylene. That detect was close to the site. This information was relayed to the OSC at the event. We have released the aircraft to return to Ellington. They will upload the data for final processing and reporting. Attached is the flight line image and kml and an oblique photo from the early portion of the flight. Please call my cell if you have questions.

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From: Curry, Tim
Sent: Tuesday, April 02, 2019 2:12 PM
To: Adams, Adam <Adams.Adam@epa.gov>; Crossland, Ronnie <Crossland.Ronnie@epa.gov>; Rauscher, Jon <Rauscher.Jon@epa.gov>; Turner, Philip <Turner.Philip@epa.gov>; Fisher, Kelsey <fisher.kelsey@epa.gov>; Patel, Anish <patel.anish@epa.gov>; Rouse, Philip <rouse.philip@epa.gov>; Smith, Monica <smith.monica@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>; Mason, Steve <mason.steve@epa.gov>; David Cook <david.cook@westonsolutions.com>; Janine.Latham@WestonSolutions.com; b.latham@westonsolutions.com; Mason, Steve <mason.steve@epa.gov>; Loesel, Matthew <loesel.matthew@epa.gov>; Daniel Tighe <Daniel.Tighe@WestonSolutions.com>; Delgado, Eric <Delgado.Eric@epa.gov>; robert.kroutil@kalmancoinc.com; Cardarelli, John <Cardarelli.John@epa.gov>; Turville, Rick <Rick.Turville@kalmancoinc.com>; Gary Moore <Moore.Gary@epa.gov>; Mickunas, Dave <Mickunas.Dave@epa.gov>
Cc: Scott Hudson <Hudson.Scott@epa.gov>; Perovich, Gina <Perovich.Gina@epa.gov>
Subject: RE: ASPECT update 4 - Kemco fire response

Team,
Attached are multiple files for the ASPECT FTIR detections including the kml's for Google Earth and the shape files for arcview. We will continue to hold the aircraft in the area for further direction.

From: Curry, Tim
Sent: Tuesday, April 02, 2019 2:04 PM
To: Adams, Adam <Adams.Adam@epa.gov>; Crossland, Ronnie <Crossland.Ronnie@epa.gov>; Rauscher, Jon <Rauscher.Jon@epa.gov>; Turner, Philip <Turner.Philip@epa.gov>; Fisher, Kelsey <fisher.kelsey@epa.gov>; Patel, Anish <patel.anish@epa.gov>; Rouse, Philip <rouse.philip@epa.gov>; Smith, Monica <smith.monica@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>; Mason, Steve <mason.steve@epa.gov>; 'David Cook' <david.cook@westonsolutions.com>; Janine.Latham@WestonSolutions.com; 'b.latham@westonsolutions.com' <b.latham@westonsolutions.com>; Mason, Steve <mason.steve@epa.gov>; Loesel, Matthew <loesel.matthew@epa.gov>; Daniel Tighe <Daniel.Tighe@WestonSolutions.com>; Delgado, Eric <Delgado.Eric@epa.gov>; robert.kroutil@kalmancoinc.com; Cardarelli, John <Cardarelli.John@epa.gov>; 'Turville, Rick' <Rick.Turville@kalmancoinc.com>; Gary Moore <Moore.Gary@epa.gov>; Mickunas, Dave <Mickunas.Dave@epa.gov>
Cc: Scott Hudson <Hudson.Scott@epa.gov>; Perovich, Gina <Perovich.Gina@epa.gov>
Subject: RE: ASPECT update 3 - Kemco fire response

Team,

Data acquisition passes between site and school have had a few detections for ammonia. Concentration is less than the pass over the site and just above our detection limit of 1ppm. We will hold the plane in the area for further orders. Attached is an infrared line scanner image and aerial photo image for a pass between the site and what is believed to be the nearby school to the southwest.

From: Curry, Tim
Sent: Tuesday, April 02, 2019 1:46 PM
To: Adams, Adam <Adams.Adam@epa.gov>; Crossland, Ronnie <Crossland.Ronnie@epa.gov>; Rauscher, Jon <Rauscher.Jon@epa.gov>; Turner, Philip <Turner.Philip@epa.gov>; Fisher, Kelsey <fisher.kelsey@epa.gov>; Patel, Anish <patel.anish@epa.gov>; Rouse, Philip <rouse.philip@epa.gov>; Smith, Monica <smith.monica@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>; Mason, Steve <mason.steve@epa.gov>; David Cook <david.cook@westonsolutions.com>; Janine.Latham@WestonSolutions.com; b.latham@westonsolutions.com; Mason, Steve <mason.steve@epa.gov>; Loesel, Matthew <loesel.matthew@epa.gov>; Daniel Tighe <Daniel.Tighe@WestonSolutions.com>; Delgado, Eric <Delgado.Eric@epa.gov>; robert.kroutil@kalmancoinc.com; Cardarelli, John <Cardarelli.John@epa.gov>; Turville, Rick <Rick.Turville@kalmancoinc.com>
Cc: Scott Hudson <Hudson.Scott@epa.gov>; Perovich, Gina <Perovich.Gina@epa.gov>
Subject: RE: ASPECT update 2 - Kemco fire response

Team,

Winds are light and plume is rising vertically mostly. Some detects from pass directly over site indicate ammonia, isobutylene, butene, isoprene and acetone appear to be present. Concentrations near fire have been below 5ppm so far. One pass between school and site showed no automated detects. Still collecting data between school and plant. Will update as info comes available.

From: Curry, Tim
Sent: Tuesday, April 02, 2019 12:28 PM
To: Adams, Adam <Adams.Adam@epa.gov>; Crossland, Ronnie <Crossland.Ronnie@epa.gov>; Rauscher, Jon <Rauscher.Jon@epa.gov>; Turner, Philip <Turner.Philip@epa.gov>; Fisher, Kelsey <fisher.kelsey@epa.gov>; Patel, Anish <patel.anish@epa.gov>; Rouse, Philip <rouse.philip@epa.gov>; Smith, Monica <smith.monica@epa.gov>; Petersen, Chris <petersen.chris@epa.gov>; Mason, Steve <mason.steve@epa.gov>; 'David Cook' <david.cook@westonsolutions.com>; Janine.Latham@WestonSolutions.com; 'b.latham@westonsolutions.com' <b.latham@westonsolutions.com>; Mason, Steve <mason.steve@epa.gov>; Loesel, Matthew <loesel.matthew@epa.gov>; Daniel Tighe <Daniel.Tighe@WestonSolutions.com>; Delgado, Eric <Delgado.Eric@epa.gov>; robert.kroutil@kalmancoinc.com; Cardarelli, John <Cardarelli.John@epa.gov>; 'Turville, Rick' <Rick.Turville@kalmancoinc.com>
Cc: Scott Hudson <Hudson.Scott@epa.gov>; Perovich, Gina <Perovich.Gina@epa.gov>
Subject: ASPECT update 1 - Kemco fire response

Team,

The aircrew has been given the order to deploy. The proximity to the Deer Park event will mean they will be acquiring data on the event beginning in roughly 30 minutes. Please call my cell with any questions or directives.

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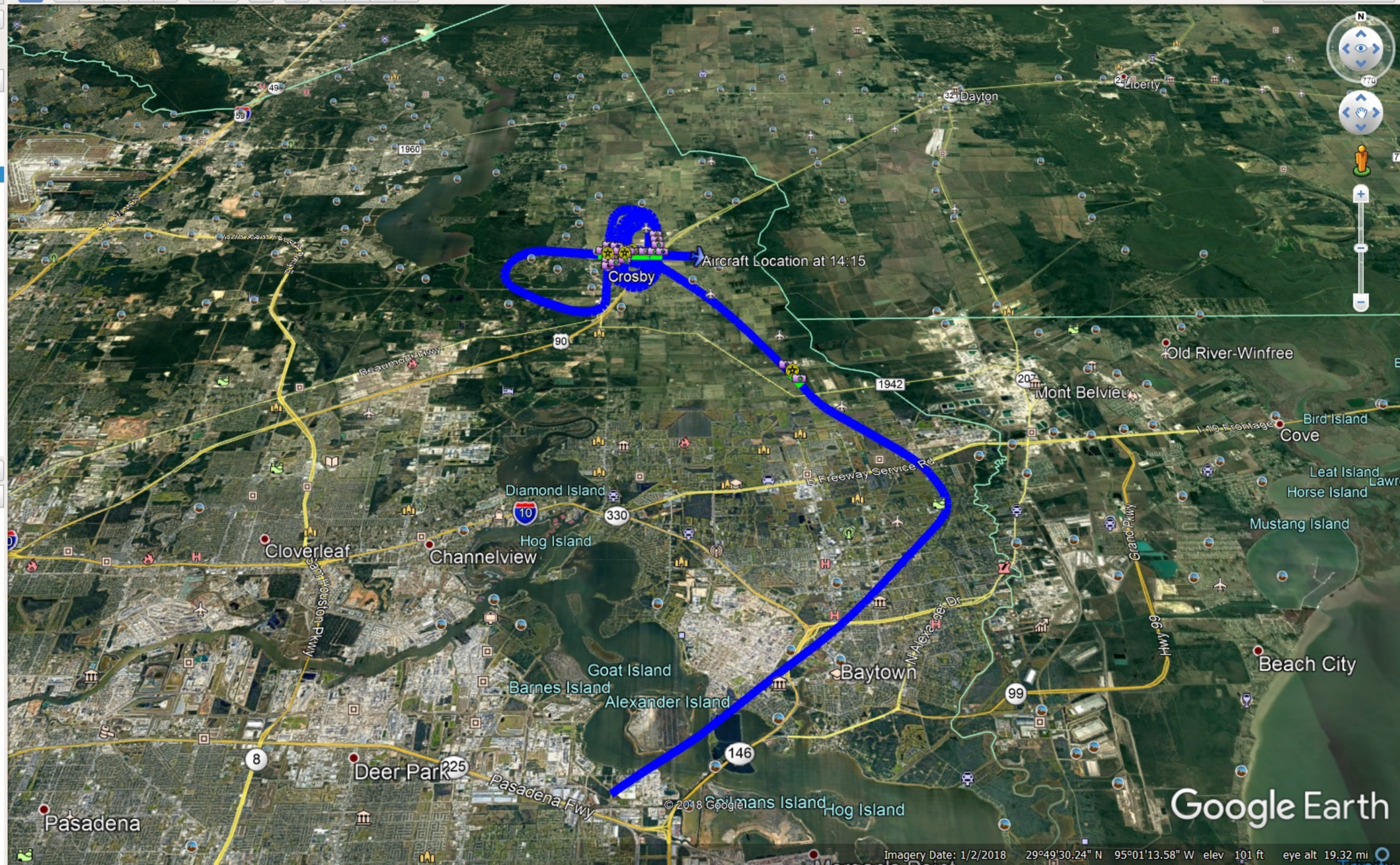

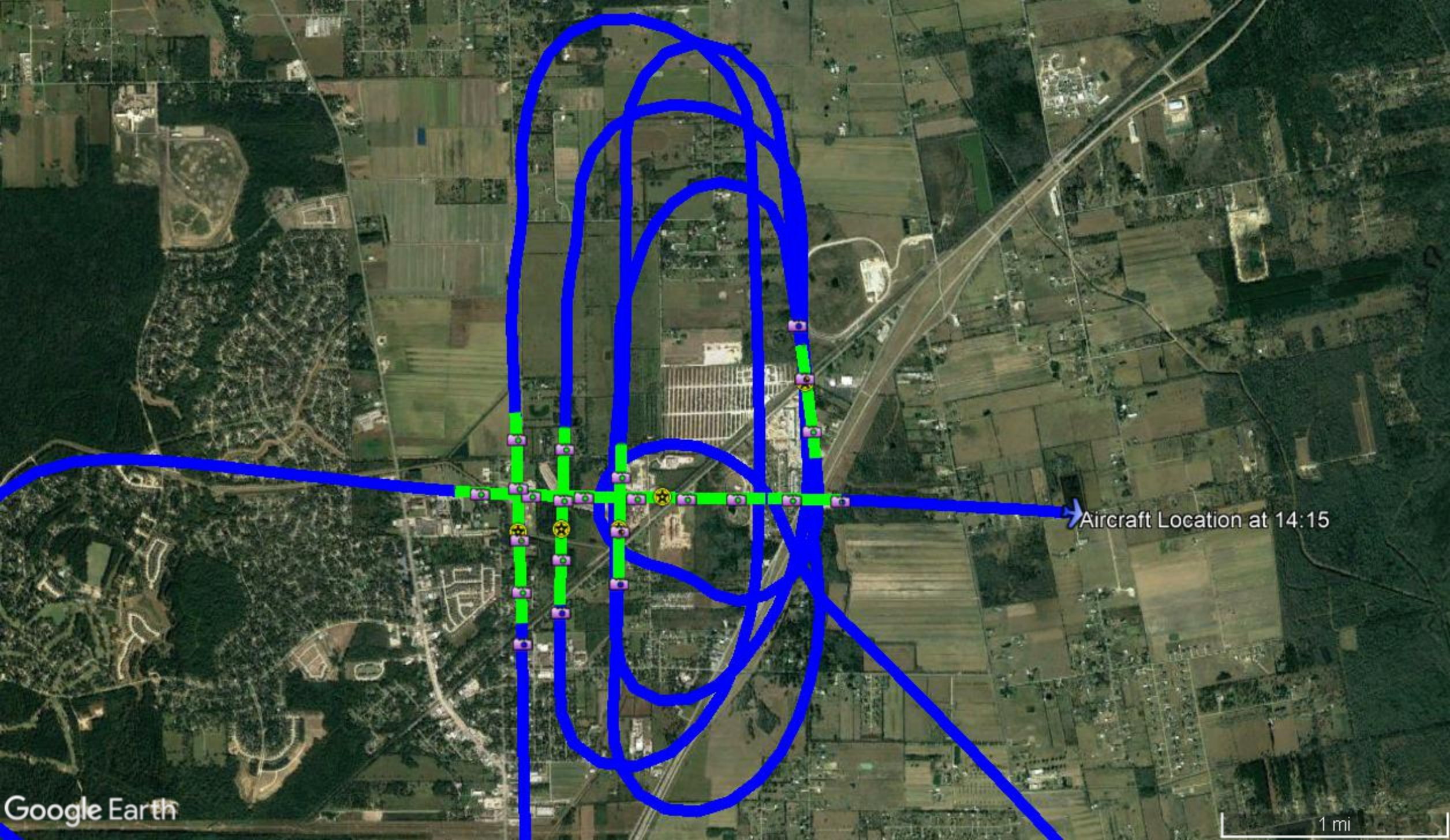
Aircraft Location at 14:15
Google Earth
1 mi