



Cybersecurity

21.3 The Final Report

Case Report National Gallery DC

Tracy's iPhone [2012-07-15-National-Gallery]

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Executive Summary

On January 21, 2016, Digitech Inc. was called in to assist the National Gallery, Washington D.C. (NGDC) case involving the conspiracy associated with the theft of valuable stamps and defacing of museums are at the NGDC.

- Tracy is a suspect in the aforementioned conspiracy.
- As part of the investigation, Tracy's iPhone was taken into custody.
- Digitech, Inc. was tasked with investigating evidence relevant to the aforementioned conspiracy.

As described fully in the report, Digitech, Inc. made the following findings. Substantial evidence has been found linking Tracy, Pat, and Carry to the crimes involving the theft of Stamps from the NGDC as well as involvement in defacing the NGDC. Correspondence between her and other co-conspirators regarding the crimes, including but not limited to, photographs of the intended targets of theft, emails explicitly discussing each crime as well the creation of how the accused planned to execute both crimes.

Equipment and Tools

Kali Linux was used to complete the analysis of the evidence. Software that was used included Autopsy, Google, and Sqlitebrowser, Excel, Cocoa Core Data Timestamp Converter.

Details of Tracy's iPhone

Name	Findings	Location in iPhone image file
Model	iPhone1, 2	general.log
Host Name	Tracy-Sumtwelves-iPhone	preferences.plist

OS Version	iPhone OS 4.2.1	general.log
Install Time	6/6/2012 12:03:28 -0700	general.log
User Email	tracy.sumtwelve@nationalgallerydc.org tracy.sumtwelve@gmail.com coralbluetwo@hotmail.com	/vol_vo15/mobile/Library/Mail
Phone Number	1 703 340 9661	lockdownd.log.1
Serial Number	86004482Y7H	general.log
ICCID	890141032551955342366	lockdownd.log
IMEI	012021003735398	wildcard_record.plist
MD5 Hash	34c4888f095dc3241330462923f6fea5	
SHA256 Hash	71aed05a86a753dec4ef4033ed7f52d6577ccb 534ca0d1e83ffd27683e621607	

Evidence to Establish Personas

This section establishes aliases, phone numbers, emails addresses associated with each person, and relationships between each individual.

Tracy:

Phone Number:	(703) 340-9961
Personal Email:	tracysumtwelve@gmail.com
Work Email:	tracy.sumtwelve@nationalgallerydc.org
Relationship:	Accused

Pat:

Phone Number:	(571) 308-3236
Email:	patsumtwelve@gmail.com
Relationship:	Tracy's Brother

Terry:

Phone Number: 1 703 829 6071

Email:

Relationship: Tracy's & Joe's daughter

Joe:

Phone Number:

Email: joe.sum.twelve@gmail.com

Relationship: Tracy's Ex-Husband

Carry:

Phone Number: 1 202 725 2124

Email: carrysum2012@yahoo.com

Relationship: Old friend/acquaintance

The involved parties are; Tracy, the primary focal point of the investigation. Pat, Tracy's brother. Terry, Tracy's daughter. Joe, Tracy's ex husband. Carry, Tracy's contact for defacing, also known as "Flash Mob Guy".

Evidence relating to theft of valuable stamps

Tracy's phone contained images of stamps that she and her brother Pat were planning to steal. Tracy sends an email to herself with a zip file attachment. This compressed file contained 3 pdf files which were stamp insurance documentation.

Supporting the documents below:

Stamp Insurance 1

Lot #25: Armed Forces Reserve \$43,000.00

Lot #26: Stamp of Kazakstan2 \$29,000.00

Lot #27: BradyCo. \$12,000.00

Stamp Insurance 2

- Lot #11 Womans profile \$31,000.00
 Lot #12 Stamp of kazakstan \$29,000.00
 Lot #13 1929 Napal \$27,000.00

Stamp insurance 3

- Lot #1 Douglas MacArther \$35,000.00
 Lot #2 Nederland \$30,000.00
 Lot #3 Mongolia \$24,000.00

Images found in the Tracy's Iphone																														
number	Artifact #	Image Properties	GPS location	images																										
1	#922337 2036854 775800	<p>Properties x</p> <p>Size 1600 × 1200 pixels Type JPEG image File Size 533.1 kB Folder jpg</p> <p>Aperture f/2.8 Exposure Focal Length ISO Metering Average Camera iPhone 3G</p> <p>Date Sun, 08 July 2012 Time 12:41:41 PM</p>	<p>Image Properties</p> <table border="1"> <thead> <tr> <th>Tag</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>Camera</td> <td></td> </tr> <tr> <td>Image Data</td> <td></td> </tr> <tr> <td>Image Taking Conditions</td> <td></td> </tr> <tr> <td>GPS Data</td> <td></td> </tr> <tr> <td>GPSLatitudeRef</td> <td>North</td> </tr> <tr> <td>GPSLatitude</td> <td>38° 53' 30.00"</td> </tr> <tr> <td>GPSLongitudeRef</td> <td>West</td> </tr> <tr> <td>GPSLongitude</td> <td>77° 1' 24.60"</td> </tr> <tr> <td>GPSAltitudeRef</td> <td>Sea level</td> </tr> <tr> <td>GPSAltitude</td> <td>78.045</td> </tr> <tr> <td>GPSTimeStamp</td> <td>16:41:30.90</td> </tr> <tr> <td>Maker Note</td> <td></td> </tr> </tbody> </table>	Tag	Value	Camera		Image Data		Image Taking Conditions		GPS Data		GPSLatitudeRef	North	GPSLatitude	38° 53' 30.00"	GPSLongitudeRef	West	GPSLongitude	77° 1' 24.60"	GPSAltitudeRef	Sea level	GPSAltitude	78.045	GPSTimeStamp	16:41:30.90	Maker Note		
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GPSAltitudeRef	Sea level																													
GPSAltitude	78.045																													
GPSTimeStamp	16:41:30.90																													
Maker Note																														
2	#922337 2036854 775799	<p>Properties x</p> <p>Size 1600 × 1200 pixels Type JPEG image File Size 687.6 kB Folder jpg</p> <p>Aperture f/2.8 Exposure Focal Length ISO Metering Average Camera iPhone 3G</p> <p>Date Sun, 08 July 2012 Time 12:41:53 PM</p>	<p>Image Properties</p> <table border="1"> <thead> <tr> <th>Tag</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>Camera</td> <td></td> </tr> <tr> <td>Image Data</td> <td></td> </tr> <tr> <td>Image Taking Conditions</td> <td></td> </tr> <tr> <td>GPS Data</td> <td></td> </tr> <tr> <td>GPSLatitudeRef</td> <td>North</td> </tr> <tr> <td>GPSLatitude</td> <td>38° 53' 30.00"</td> </tr> <tr> <td>GPSLongitudeRef</td> <td>West</td> </tr> <tr> <td>GPSLongitude</td> <td>77° 1' 24.60"</td> </tr> <tr> <td>GPSAltitudeRef</td> <td>Sea level</td> </tr> <tr> <td>GPSAltitude</td> <td>78.045</td> </tr> <tr> <td>GPSTimeStamp</td> <td>16:41:30.90</td> </tr> <tr> <td>Maker Note</td> <td></td> </tr> </tbody> </table>	Tag	Value	Camera		Image Data		Image Taking Conditions		GPS Data		GPSLatitudeRef	North	GPSLatitude	38° 53' 30.00"	GPSLongitudeRef	West	GPSLongitude	77° 1' 24.60"	GPSAltitudeRef	Sea level	GPSAltitude	78.045	GPSTimeStamp	16:41:30.90	Maker Note		
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Maker Note																														

3	#922337 2036854 775798	Properties x Size 1600 × 1200 pixels Type JPEG image File Size 568.0 kB Folder jpg Aperture f/2.8 Exposure Focal Length ISO Metering Average Camera iPhone 3G Date Sun, 08 July 2012 Time 12:42:03 PM	Image Properties General Metadata Details Tag Value ▶ Image Taking Conditions ▶ GPS Data GPSLatitudeRef North GPSLatitude 38° 53' 30.00" GPSLongitudeRef West GPSLongitude 77° 1' 24.60" GPSAltitudeRef Sea level GPSAltitude 78.045 GPSTimeStamp 16:41:30.90 Maker Note ▶ Other XMP Exif	
4	#922337 2036854 775795	Properties x Size 1200 × 1600 pixels Type JPEG image File Size 718.2 kB Folder jpg Aperture f/2.8 Exposure Focal Length ISO Metering Average Camera iPhone 3G Date Sun, 08 July 2012 Time 12:49:25 PM	Image Properties General Metadata Details Tag Value ▶ Camera ▶ Image Data ▶ Image Taking Conditions ▶ GPS Data GPSLatitudeRef North GPSLatitude 38° 53' 51.60" GPSLongitudeRef West GPSLongitude 77° 1' 10.80" GPSTimeStamp 16:49:20.49 Maker Note ▶ Other XMP Exif	

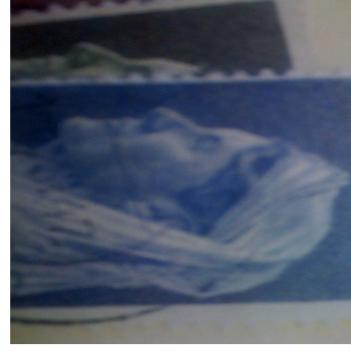
5	#922337 2036854 775793	Properties x Size 1200 × 1600 pixels Type JPEG image File Size 844.8 kB Folder jpg Aperture f/2.8 Exposure Focal Length ISO Metering Average Camera iPhone 3G Date Sun, 08 July 2012 Time 12:49:49 PM	Image Properties General Metadata Details Tag Value Camera Image Data Image Taking Conditions GPS Data GPSLatitudeRef North GPSLatitude 38° 53' 51.60" GPSLongitudeRef West GPSLongitude 77° 1' 10.80" GPSTimeStamp 16:49:20.49 Maker Note Other XMP Exif	
6	#922337 2036854 775792	Properties x Size 1600 × 1200 pixels Type JPEG image File Size 699.1 kB Folder jpg Aperture f/2.8 Exposure Focal Length ISO Metering Average Camera iPhone 3G Date Sun, 08 July 2012 Time 12:50:07 PM	Image Properties General Metadata Details Tag Value Camera Image Data Image Taking Conditions GPS Data GPSLatitudeRef North GPSLatitude 38° 53' 51.60" GPSLongitudeRef West GPSLongitude 77° 1' 10.80" GPSTimeStamp 16:49:20.49 Maker Note Other XMP Exif	

7	#922337 2036854 775791	Properties x Size 1200 × 1600 pixels Type JPEG image File Size 558.1 kB Folder jpg Aperture f/2.8 Exposure Focal Length ISO Metering Average Camera iPhone 3G Date Sun, 08 July 2012 Time 12:50:20 PM	Image Properties General Metadata Details Tag Value Camera Image Data Image Taking Conditions GPS Data GPSLatitudeRef North GPSLatitude 38° 53' 51.60" GPSLongitudeRef West GPSLongitude 77° 1' 10.80" GPSTimeStamp 16:49:20.49 Maker Note Other XMP Exif	
8	#922337 2036854 775790	Properties x Size 1200 × 1600 pixels Type JPEG image File Size 570.5 kB Folder jpg Aperture f/2.8 Exposure Focal Length ISO Metering Average Camera iPhone 3G Date Sun, 08 July 2012 Time 12:50:34 PM		

9	#922337 2036854 775789	Properties x Size 1200 × 1600 pixels Type JPEG image File Size 615.1 kB Folder jpg Aperture f/2.8 Exposure Focal Length ISO Metering Average Camera iPhone 3G Date Sun, 08 July 2012 Time 12:50:50 PM		
10	#922337 2036854 775787	Properties x Size 1200 × 1600 pixels Type JPEG image File Size 582.7 kB Folder jpg Aperture f/2.8 Exposure Focal Length ISO Metering Average Camera iPhone 3G Date Sun, 08 July 2012 Time 12:51:03 PM		

11	#922337 2036854 775788	Properties × Size 1200 × 1600 pixels Type JPEG image File Size 595.4 kB Folder jpg Aperture f/2.8 Exposure Focal Length ISO Metering Average Camera iPhone 3G Date Sun, 08 July 2012 Time 12:50:53 PM		
12	#922337 2036854 775786	Properties × Size 1200 × 1600 pixels Type JPEG image File Size 651.2 kB Folder jpg Aperture f/2.8 Exposure Focal Length ISO Metering Average Camera iPhone 3G Date Sun, 08 July 2012 Time 12:51:14 PM		

13	#922337 2036854 775784	Properties x Size 1200 × 1600 pixels Type JPEG image File Size 576.3 kB Folder jpg Aperture f/2.8 Exposure Focal Length ISO Metering Average Camera iPhone 3G Date Sun, 08 July 2012 Time 12:59:55 PM	Image Properties General Metadata Details Tag Value Camera Image Data Image Taking Conditions GPS Data GPSLatitudeRef North GPSLatitude 38° 53' 30.00" GPSLongitudeRef West GPSLongitude 77° 1' 24.60" GPSAltitudeRef Sea level GPSAltitude 78.045 GPSTimeStamp 16:59:51.25 Maker Note	
14	#922337 2036854 775783	Properties x Size 1200 × 1600 pixels Type JPEG image File Size 527.5 kB Folder jpg Aperture f/2.8 Exposure Focal Length ISO Metering Average Camera iPhone 3G Date Sun, 08 July 2012 Time 01:00:01 PM	Image Properties General Metadata Details Tag Value Camera Image Data Image Taking Conditions GPS Data GPSLatitudeRef North GPSLatitude 38° 53' 30.00" GPSLongitudeRef West GPSLongitude 77° 1' 24.60" GPSAltitudeRef Sea level GPSAltitude 78.045 GPSTimeStamp 16:59:51.25 Maker Note	

15	#922337 2036854 775782	Properties x Size 1200 × 1600 pixels Type JPEG image File Size 521.9 kB Folder jpg Aperture f/2.8 Exposure Focal Length ISO Metering Average Camera iPhone 3G Date Sun, 08 July 2012 Time 01:00:07 PM	Image Properties General Metadata Details Tag Value Camera Image Data Image Taking Conditions GPS Data GPSLatitudeRef North GPSLatitude 38° 53' 30.00" GPSLongitudeRef West GPSLongitude 77° 1' 24.60" GPSAltitudeRef Sea level GPSAltitude 78.045 GPSTimeStamp 16:59:51.25 Maker Note	
16	#922337 2036854 775780	Properties x Size 1600 × 1200 pixels Type JPEG image File Size 476.3 kB Folder jpg Aperture f/2.8 Exposure Focal Length ISO Metering Average Camera iPhone 3G Date Sun, 08 July 2012 Time 01:00:23 PM	Image Properties General Metadata Details Tag Value Camera Image Data Image Taking Conditions GPS Data GPSLatitudeRef North GPSLatitude 38° 53' 30.00" GPSLongitudeRef West GPSLongitude 77° 1' 24.60" GPSAltitudeRef Sea level GPSAltitude 78.045 GPSTimeStamp 16:59:51.25 Maker Note	

17	#922337 2036854 77579	<p>Properties</p> <p>Size 1200 × 1600 pixels Type JPEG image File Size 472.9 kB Folder jpg</p> <p>Aperture f/2.8 Exposure Focal Length ISO Metering Average Camera iPhone 3G</p> <p>Date Sun, 08 July 2012 Time 01:00:12 PM</p>	<p>Image Properties</p> <p>General Metadata Details</p> <table border="1"> <thead> <tr> <th>Tag</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>Camera</td> <td></td> </tr> <tr> <td>Image Data</td> <td></td> </tr> <tr> <td>Image Taking Conditions</td> <td></td> </tr> <tr> <td>GPS Data</td> <td></td> </tr> <tr> <td>GPSLatitudeRef</td> <td>North</td> </tr> <tr> <td>GPSLatitude</td> <td>38° 53' 30.00"</td> </tr> <tr> <td>GPSLongitudeRef</td> <td>West</td> </tr> <tr> <td>GPSLongitude</td> <td>77° 1' 24.60"</td> </tr> <tr> <td>GPSAltitudeRef</td> <td>Sea level</td> </tr> <tr> <td>GPSAltitude</td> <td>78.045</td> </tr> <tr> <td>GPSTimeStamp</td> <td>16:59:51.25</td> </tr> <tr> <td>Maker Note</td> <td></td> </tr> </tbody> </table>	Tag	Value	Camera		Image Data		Image Taking Conditions		GPS Data		GPSLatitudeRef	North	GPSLatitude	38° 53' 30.00"	GPSLongitudeRef	West	GPSLongitude	77° 1' 24.60"	GPSAltitudeRef	Sea level	GPSAltitude	78.045	GPSTimeStamp	16:59:51.25	Maker Note		
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18	9223372 0368547 75794	<p>Properties</p> <p>Size 1200 × 1600 pixels Type JPEG image File Size 763.7 kB Folder jpg</p> <p>Aperture f/2.8 Exposure Focal Length ISO Metering Average Camera iPhone 3G</p> <p>Date Sun, 08 July 2012 Time 12:49:37 PM</p>	<p>Image Properties</p> <p>General Metadata Details</p> <table border="1"> <thead> <tr> <th>Tag</th> <th>Value</th> </tr> </thead> <tbody> <tr> <td>Camera</td> <td></td> </tr> <tr> <td>Image Data</td> <td></td> </tr> <tr> <td>Image Taking Conditions</td> <td></td> </tr> <tr> <td>GPS Data</td> <td></td> </tr> <tr> <td>GPSLatitudeRef</td> <td>North</td> </tr> <tr> <td>GPSLatitude</td> <td>38° 53' 51.60"</td> </tr> <tr> <td>GPSLongitudeRef</td> <td>West</td> </tr> <tr> <td>GPSLongitude</td> <td>77° 1' 10.80"</td> </tr> <tr> <td>GPSTimeStamp</td> <td>16:49:20.49</td> </tr> <tr> <td>Maker Note</td> <td></td> </tr> <tr> <td>Other</td> <td></td> </tr> <tr> <td>XMP Exif</td> <td></td> </tr> </tbody> </table>	Tag	Value	Camera		Image Data		Image Taking Conditions		GPS Data		GPSLatitudeRef	North	GPSLatitude	38° 53' 51.60"	GPSLongitudeRef	West	GPSLongitude	77° 1' 10.80"	GPSTimeStamp	16:49:20.49	Maker Note		Other		XMP Exif		
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Maker Note																														
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XMP Exif																														

Stamp Insurance:



NATIONAL GALLERY DC
WASHINGTON



Memorandum of Insurance Assurance:

TO: MyStamp Collections

In Regards to items owned or on loan to the National Gallery DC , Washington from MyStamp Collections from the period of May 12, 2012 to May 12, 2013, all items in aforementioned list will be in the custody of National Gallery DC and therefore fiscal responsibility of said items is carried by the same. As per agreement between both parties the following items are covered by AwesomeInsurance Inc. Policy x23654 for the following amounts under any circumstances leading to the degradation of said items excepting normal wear of display.

Lot # 25. Armed Forces Reserve	\$43,000.00
Lot # 26. Stamp of Kazakstan2	\$29,000.00
Lot# 27. BradyCo.	\$12,000.00

Terms do not cover period of transport from or to the National Gallery.

D'Mann


President National Gallery DC

For The Internal use of National Gallery and MyStamp Collections Only.

NATIONAL GALLERY DC
WASHINGTON

Memorandum of Insurance Assurance:

TO: MyStamp Collections

In Regards to items owned or on loan to the National Gallery DC , Washington from MyStamp Collections from the period of May 12, 2012 to May 12, 2013, all items in aforementioned list will be in the custody of National Gallery DC and therefore fiscal responsibility of said items is carried by the same. As per agreement between both parties the following items are covered by AwesomeInsurance Inc. Policy x23654 for the following amounts under any circumstances leading to the degradation of said items excepting normal wear of display.

Lot # 11. Woman's Profile	\$31,000.00
Lot # 12. Stamp of Kazakstan	\$29,000.00
Lot# 13. 1929 Napa	\$27,000.00

Terms do not cover period of transport from or to the National Gallery.

D'Mann

President National Gallery DC

For The Internal use of National Gallery and MyStamp Collections Only.

NATIONAL GALLERY DC
WASHINGTON**Memorandum of Insurance Assurance:****TO: MyStamp Collections**

In Regards to items owned or on loan to the National Gallery of Art, Washington from MyStamp Collections from the period of May 12, 2012 to May 12, 2013, all items in aforementioned list will be in the custody of National Gallery DC and therefore fiscal responsibility of said items is carried by the same. As per agreement between both parties the following items are covered by Awesomeinsurance Inc. Policy x23654 for the following amounts under any circumstances leading to the degradation of said items excepting normal wear of display.

Lot # 1. Douglas MacArthur	\$35,000.00
Lot # 2. Nederland	\$30,000.00
Lot# 3. Mongolia	\$24,000.00

Terms do not cover period of transport from or to the National Gallery.

D'Mann

President National Gallery DC

For The Internal use of National Gallery and MyStamp Collections Only.

Evidence relating to defacement of museum art

This sub-section provides details regarding the evidence found as it relates to the defacement of museum art.

Evidence that was found in Tracy's phone confirms the correspondence between Tracy and Carry via sms messages.

First they meetup in the Bubba's grill:

7SMS Carry to Tracy "Sounds good let's shoot for one at the Bubba's grill"

8SMS Tract to Carry "Okay that sounds great. See you there"
13SMS Tracy to Carry "I have a table inside"
14SMS Carry to Tracy "Okay brt 3"
Then they had another meet up:
21SMS Carry to Tracy "I'm almost there where should I meet you?"
22SMS Tracy to Carry "Just meet me out front, I'll take the tablet in"

About 4 hours later, Carry asked Tracy about the flashmob.
23SMS Carry to Tracy "How's the flashmob going"

Plot Timeline

[Provide an outline of the key events in the order they occurred. Note the date of each event.]

Date	Event	Artifact Number
19 June 2012	Installed VM to share info about project Big Lift	02
06 July 2012	Recruiting King	04
09 July 2012	Tracy sends stamps to her other email	03
10 July 2021	1.King gives list of items needed to pat 2.Pat gives Tracy King's list of items	1.05 2.06

Conclusion

Evidence found on Tracy's iPhone indicated the following:

- From sms between Tracy and her daughter Terry we knew that Tracy had financial issues and was not able to pay her daughter's school tuition.
- Based on email correspondence, text messages and images that were found in the phone we can confirm that Tracy and her brother Pat planned to steal valuable stamps from National Gallery DC. They invoke the King in their plan to do stealing for them.
- King's email throne1966@hotmail.com
- Tracy used tracysumtwelve@gmail.com
- Pat used patsumtwelve@gmail.com
- Tracy sends herself documents related to the stamps and how much they are insured for.
- Tracy gives Carry sensitive information about National Gallery DC. Carry used this information to organize a flash mob for damaging artwork at the Gallery.

Appendix A: Correspondence Evidence

This subsection will provide an amalgamation of the email and SMS correspondence evidence.
 [Paste your Correspondence Evidence Worksheet here.]

Master Timeline of NGDC				
Artifact #	Timestamp	Header Information	Key Information	Evidence Location
1email	Tue 10 Jul 2012 08:24:58 -0700 PDT	F: Patsumtwelve@gmail.com T: coralbluetwo@hotmail.com Subject: Fwd: can't pass up	this is what we need to get for the guy thats going to make our job happen	9F0508B8-0 4FB-490E-A 7F0-3E23B0 E7C59B.emlx
2email	Tue, Jul 10, 2012	From: King kthings < throne1966@hotmail.com >	You're too kind... I got you brotha. I need some tools in order to do this	9F0508B8-0 4FB-490E-A

	at 11:19 AM	> To: patsumtwelve@gmail.com Subject: RE: can't pass up	job for you. Here are some requirements that i will need: see attachment	7F0-3E23B0 E7C59B.emlx
3email	Tue, Jul 10, 2012 at 11:19 AM	From: King kthings < throne1966@hotmail.com > To: patsumtwelve@gmail.com Subject: RE: can't pass up Attachement: needs.txt	[needs.txt, -A rope and javelin (using alternative means to break in) -tactical turtlenecks (what i will be wearing) -spray paint (for the cameras) -vibram five finger shoes (in order to walk silently) -pack of smokes (detecting lasers) -smoke grenades (use as a means of escape if caught)	9F0508B8-0 4FB-490E-A 7F0-3E23B0 E7C59B.emlx
4email	Fri, 6 Jul 2012 11:49:31 -0400	From: patsumtwelve@gmail.com To: throne1966@hotmail.com CC: coralbluetwo@hotmail.com Subject: can't pass up	King, Long time no see...I have a juicy proposition for you. Two weeks from now, me and my associates are planning a heist at the national gallery. Although, we need a helping hand. I know that you are on parole right now and are probably hesitant to participate. Me and your parole officer go years back. He is a very strict fellow. If he were to find out that you were dealing drugs and shooting dope in your veins every night, i feel he wouldn't be too happy. It's very easy for a person to phone the feds an anonymous tip that you are on drugs and the location of your stash. All they have to do is give you a drug test and since you're on parole, the feds don't need a search warrant.	9F0508B8-0 4FB-490E-A 7F0-3E23B0 E7C59B.emlx

			Well hit me up. You know where to find me.	
5email	Mon, 9 Jul 2012 07:47:58 -0700	From: Tracy Sumtwelve < tracysumtwelve@gmail.com > To: coralbluetwo@hotmail.com Subject: things Content-Disposition: attachment; filename=documents.zip	somethings	8A3BD06F- CDB1-4453- 9C69-77E06 823F2AE.em lx
6email	Date: Wed, 11 Jul 2012 04:18:03 -0700	From: "Microsoft Office" <microsoft@reply.digitalrive r.com> To: =?UTF-8?B?Q29yYWwgQ mx1ZVR3bw==?=br/>< coralbluetwo@hotmail.co m> Subject: Only 30 days left! Start a free Office training course now.	<p>View the full-color version of this e-mail online: http://email.try microsoftoffice.com/p/v3YTbtGNS</p> <hr/> <hr/> <p>You're halfway through your trial. Increase your productivity at home and work with free Office training.</p> <p>Days remaining in your Office 2010 trial: 30</p> <p>Buy Now: http://email.try microsoftoffice.com/ct/3093310:831136289:m:3:149047358:F19A8AE722B3382646FB84B7C7BE03E0:r</p> <hr/> <hr/> <p>Become an Office expert.</p> <p>Our quick Office training courses help you make home and work</p>	01FE9965-A 923-40CF-A 78A-72CE3B D26571.emlx

tasks more efficient and effective.
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			<p>----4ffd60ebc80f8-MultiPart-Mime-Boundary Content-Type: text/html; charset="us-ascii" Content-Disposition: inline Content-Transfer-Encoding: 8bit</p> <p><html><!--</p> <p>***** ***** *Note: If you are having trouble viewing this message,* *copy and paste the link below into your browser * *address field and hit the Enter button on your * *keyboard. * http://email.trymicrosofftoffice.com/p/v3YTbtGNS If you would like to change your preferences * or unsubscribe, copy the URL below: *</p> <p>***** ***** --></p>	
7email	Date: Thu, 5 Jul 2012	From: Woina.Honril@m57.biz	I didn't.	F3F4EB95-5 2EB-42FC-9 279-46DAB2 4B6E34.eml

	12:58:41 -0700 (PDT)	To: coralbluetwo@hotmail.com Subject: Busy Content-Disposition: attachment; filename="000001.doc"	x	
8email	Date: Tue, 19 Jun 2012 14:38:59 -0700 (PDT)	From: Perry Patsum <perrypatsum@yahoo.com> To: Coral Bluetwo < coralbluetwo@hotmail.com > Subject: Crazydave by the VMs Content-Type: audio/mpeg; name="Crazydave1.mp3"	Hey Coral,=A0=0A=0AJust got your email. That took longer than expected! Oh = well!=0A=0A=0AYou've got to check out this new song by the VMs. I love the= base. Tell me what you think!=0A=0APerry=0A --879925033-469252838-1340141940=:2892 Content-Type: text/html; charset=iso-8859-1 Content-Transfer-Encoding: quoted-printable <html><body><div style=3D"color:#000; background-color:#fff; font-family:times new roman, new york, times, serif;font-size:12pt"><div>Hey Coral, =</div><div> </div><div>Just got your email. That took longer than expect=ed! Oh well! </div><div> </div><div>You've got to check out this new= song by the VMs. I love the base. Tell me what you think!</div><div> </div><div>Perry </div></div></body></html>	3896FC6F-A 083-4D39-B 0A2-CE6836 8D44CA.emlx
1SMS	Tuesday June 12,	Pat to Tracy	What are you up to this weekend?	SMS

	2012 9:25:04 GMT			
2SMS	Wednesday June 13, 2012 5:30:28 PM	Terry to Tracy	I'm going out with dad after school for pizza! Thought I'd let you know if you planned to cook.	SMS
3SMS	Wednesday June 13, 2012 6:30:38 PM	Tracy to Pat	I don't have any big plans. How about you?	SMS
4SMS	Wednesday June 13, 2012 6:33:46 PM	Tracy to Terry	Ok, sounds good.	SMS
5SMS	Tuesday July 3, 2012 1:41:51 PM	Tracy to Terry	Hey honey. I'm not sure if we can afford Prufrock anymore... What do you think about maybe switching to someplace else?	SMS
6SMS	Tuesday, July 3, 2012 2:04:32 PM	Terry to Tracy	moving schools at this point would be the worst! i would rather live with dad and stay at prufrock then change schools	SMS
7SMS	Thursday , July 5, 2012 6:18:23 PM	Carry to Tracy	Sounds good let's shoot for one at Bubba s grill	SMS
8SMS	Thursday , July 5, 2012 6:20:26 PM	Tracy to Carry	Okay that sounds great. See you there	SMS
9SMS	Friday, July 6,	Tracy to Pat	Hey can you give me a call	SMS

	2012 3:02:19 PM			
10SMS	Friday, July 6, 2012 3:08:37 PM	Pat to Tracy	Sis I'm really busy can we can do this later	SMS
11SMS	Friday, July 6, 2012 3:11:54 PM	Tracy to Pat	No pat this is important I need you to call me soon	SMS
12SMS	Friday, July 6, 2012 3:13:31 PM	Pat to Tracy	Ok ok I'll call in 5	SMS
13SMS	Friday, July 6, 2012 4:27:16 PM	Tracy to Carry	I have a table inside	SMS
14SMS	Friday, July 6, 2012 4:27:50 PM	Carry to Tracy	Okay brt 3	SMS
15SMS	Saturday, July 7, 2012 7:36:35 PM	1-206-910-0932 to Tracy	Congratulations, your entry in last months drawing won you a FREE \$1,000 Target Giftcard! Enter "703" at www.target.com/trdt.biz to tell us where to ship it 2	SMS
16SMS	Tuesday, July 10, 2012 3:26:19 PM	Pat to Tracy	hey sis yo friend coral got a email the attachment needs to be changed to pdf let her know 2	SMS
17SMS	Tuesday, July 10,	Tracy to Pat	Sure thing I'll get on it	SMS

	2012 3:58:04 PM			
18SMS	Tuesday, July 10, 2012 5:18:38 PM	Tracy to Terry	Going to lunch. You want to go????!	SMS
19SMS	Tuesday, July 10, 2012 6:19:24 PM	Tracy to Terry	Back at work	SMS
20SMS	Tuesday, July 10, 2012 6:58:24 PM	Terry to Tracy	I'm busy. Maybe this weekend if dad isn't busy	SMS
21SMS	Wednesday, July 11, 2012 12:41:45 PM	Carry to Tracy	I'm almost there where should I meet you?	SMS
22SMS	Wednesday, July 11, 2012 12:49:08 PM	Tracy to Carry	Just meet me out front, I'll take the tablet in.	SMS
23SMS	Thursday , July 12, 2012 5:06:45 PM	Carry to Tracy	How's the flashmob going	SMS
24SMS	Friday, July 13, 2012 1:02:10 AM	Terry to Tracy	I really want to go to Dad's this weekend. He said he'll take me shopping for school	SMS

Appendix B: WiFi and GPS Location Information

There are over 2005 different wifi locations with gps addresses found in the consolidated.db file by removing all the duplicate timestamps we are able to get a better idea of where the WiFi locations and CellLocations are at.

[Paste your GPS Evidence Worksheet here.]

Sample from the consolidated.db file

```
consolidated.db
TableInfo

TableName SoftwareVersion SerialNumber
CompassCalibration 370.3 86004482Y7H
WifiLocation 370.3 86004482Y7H
Location 370.3 86004482Y7H
Wifi 370.3 86004482Y7H
Cell 370.3 86004482Y7H
CellLocation 370.3 86004482Y7H
CellLocationBoxes 370.3 86004482Y7H
CellLocationLocal 370.3 86004482Y7H
CellLocationLocalBoxes 370.3 86004482Y7H
CellLocationHarvest 370.3 86004482Y7H
WifiLocationHarvest 370.3 86004482Y7H
LocationHarvest 370.3 86004482Y7H

CompassCalibration

    Timestamp MagneticX MagneticY MagneticZ BiasX BiasY BiasZ Level Magnitude Inclination

WifiLocation

    MAC Timestamp Latitude Longitude HorizontalAccuracy Altitude VerticalAccuracy Speed Course Confidence
44:1e:a1:f4:d:7f 3.61306882473715E8 38.88055896 -77.11553561 281.0 96.0 19.0 -1.0 -1.0 50
0:23:5e:b0:6d:f1 3.61306882473715E8 38.88106083 -77.11533838 68.0 113.0 13.0 -1.0 -1.0 50
0:26:b8:ac:1c:10 3.61306882473715E8 38.88005346 -77.11595332 42.0 103.0 23.0 -1.0 -1.0 50
c0:c1:c0:15:66:fa 3.61306882473715E8 38.88093715 -77.11640596 42.0 134.0 9.0 -1.0 -1.0 50
e0:46:9a:3f:1b:a6 3.61306882473715E8 38.87996816 -77.11601394 42.0 104.0 38.0 -1.0 -1.0 50
54:75:d0:a5:f:a3 3.61306882473715E8 38.88138395 -77.11556851 48.0 133.0 43.0 -1.0 -1.0 50
54:75:d0:a5:f:a0 3.61306882473715E8 38.88139647 -77.11564362 42.0 111.0 31.0 -1.0 -1.0 50
0:26:b8:ad:bd:dc 3.61306882473715E8 38.87974703 -77.11598318 42.0 101.0 21.0 -1.0 -1.0 50
0:26:b8:ac:19:d0 3.61306882473715E8 38.87969022 -77.1154859 42.0 99.0 17.0 -1.0 -1.0 50
0:26:f3:f8:b8:fb 3.61306882473715E8 38.87970983 -77.11530274 42.0 101.0 18.0 -1.0 -1.0 50
0:26:f3:f8:b8:f8 3.61306882473715E8 38.87970793 -77.11529815 42.0 101.0 23.0 -1.0 -1.0 50
0:26:b8:ae:e7:1b 3.61306882473715E8 38.8796842 -77.11539471 42.0 101.0 20.0 -1.0 -1.0 50
0:26:f3:f8:b8:f9 3.61306882473715E8 38.87969332 -77.11530435 42.0 99.0 20.0 -1.0 -1.0 50
```

And there was 376 cellLocation with GPS coordinates also in the consolidated.db file

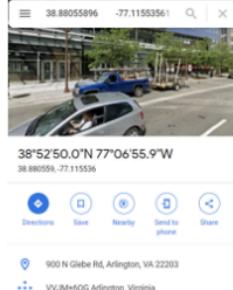
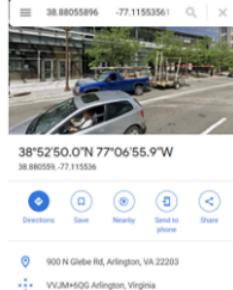
Cell

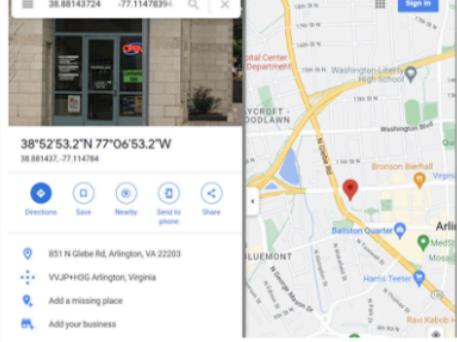
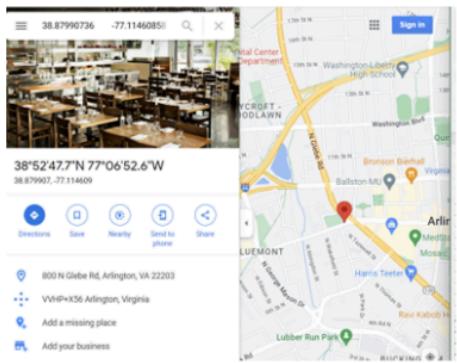
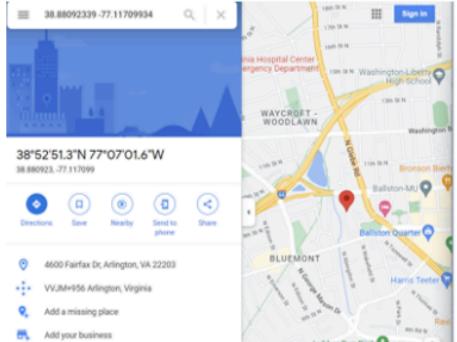
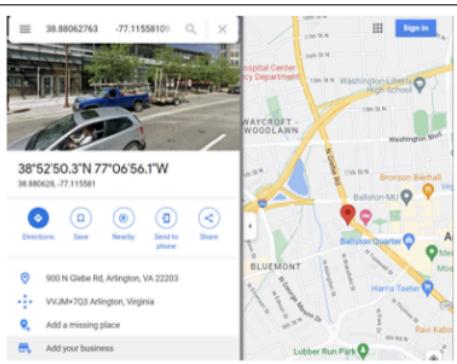
Timestamp MCC MNC LAC CI

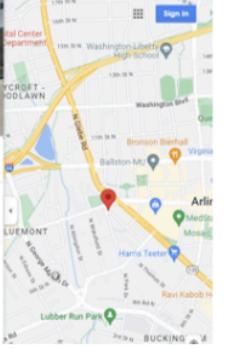
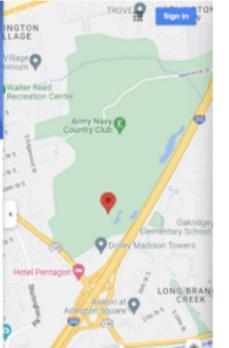
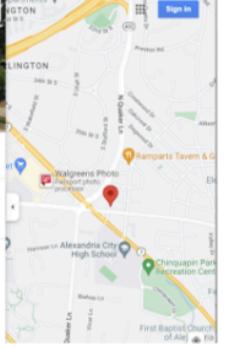
CellLocation

MCC	MNC	LAC	CI	Timestamp	Latitude	Longitude	HorizontalAccuracy	Altitude	VerticalAccuracy	Speed	Course	Confidence
310	410	7985	160043533	3.61306881782044E8	38.87767624	-77.11546951	3962.0	0.0	-1.0	-1.0	-1.0	70
310	410	7985	158138900	3.61306881782044E8	38.8778367	-77.11447036	2243.0	0.0	-1.0	-1.0	-1.0	60
310	410	7985	160093723	3.61306881782044E8	38.87595677	-77.11500936	2436.0	0.0	-1.0	-1.0	-1.0	60
310	410	7988	193465818	3.61306881782044E8	38.87869298	-77.11703056	1718.0	0.0	-1.0	-1.0	-1.0	50
310	410	7985	160381399	3.61306881782044E8	38.87763071	-77.1184743	2144.0	0.0	-1.0	-1.0	-1.0	60
310	410	7985	158442034	3.61306881782044E8	38.87531292	-77.11478477	1532.0	0.0	-1.0	-1.0	-1.0	50
310	410	7985	194233901	3.61306881782044E8	38.87516754	-77.11518323	1900.0	0.0	-1.0	-1.0	-1.0	50
310	410	7985	193781548	3.61306881782044E8	38.87724441	-77.11911594	2166.0	0.0	-1.0	-1.0	-1.0	50
310	410	7985	160395633	3.61306881782044E8	38.87675511	-77.11932128	1976.0	0.0	-1.0	-1.0	-1.0	60
310	410	7985	158459194	3.61306881782044E8	38.87981969	-77.11490958	1414.0	0.0	-1.0	-1.0	-1.0	50
310	410	7985	158439149	3.61306881782044E8	38.87981969	-77.11478477	1414.0	0.0	-1.0	-1.0	-1.0	50
310	410	7985	160395640	3.61306881782044E8	38.87493735	-77.11815351	2395.0	0.0	-1.0	-1.0	-1.0	50
310	410	7985	160050726	3.61306881782044E8	38.87531292	-77.11341238	2118.0	0.0	-1.0	-1.0	-1.0	50
310	410	7985	160375173	3.61306881782044E8	38.87818086	-77.11958265	1465.0	0.0	-1.0	-1.0	-1.0	50
310	410	7985	193959431	3.61306881782044E8	38.87441158	-77.11770433	1686.0	0.0	-1.0	-1.0	-1.0	50
310	410	7985	158149432	3.61306881782044E8	38.87441158	-77.11411106	1686.0	0.0	-1.0	-1.0	-1.0	50
310	410	7985	159994310	3.61306881782044E8	38.87402528	-77.11654937	2520.0	0.0	-1.0	-1.0	-1.0	50
310	410	7985	194183751	3.61306881782044E8	38.87582403	-77.1198436	3231.0	0.0	-1.0	-1.0	-1.0	60
310	410	7985	158191099	3.61306881782044E8	38.87981969	-77.11341238	1414.0	0.0	-1.0	-1.0	-1.0	50
310	410	7985	193841755	3.61306881782044E8	38.87441158	-77.11381161	2538.0	0.0	-1.0	-1.0	-1.0	50

Location Information

Artifact #	Timestamp	Header Information	Body	Map Screenshot
1	Wed June 13, 2012 7:01:22 PM	Wifi Location: Latitude 38.88055896 Longitude -77.11553561	Address: 900 N Glebe Rd, Arlington, VA 22203	
1a	Wed June 13, 2012 7:01:21 PM	Cell Location: Latitude 38.87767624 Longitude -77.11546951	Address: 703 N Wakefield St, Arlington, VA 22203	

2	Wed June 13, <u>2012</u> 7:04:03 PM	Wifi Location: Latitude 38.88143724 Longitude -77.11478394	Address: 851 N Glebe Rd, Arlington, VA 22203	
3	Mon July 2, <u>2012</u> 4:19:24 PM	Wifi Location: Latitude 38.87990736 Longitude -77.11460858	Address: 800 N Glebe Rd, Arlington, VA 22203	
3a	Mon July 2, <u>2012</u> 4:19:23 PM	Cell Location: Latitude 38.88092339 Longitude -77.11709934	Address: 4600 Fairfax Dr, Arlington, VA 22203	
4	Thurs July 5, <u>2012</u> 4:32:47 PM	Wifi Location: Latitude 38.88054466 Longitude -77.11439651	Address: 801 N Glebe Rd, Arlington, VA 22203	

4a	Thurs July 5, <u>2012</u> 4:32:46 PM	Cell Location: Latitude 38.87948584 Longitude -77.11460208	Address: Arlington, VA 22203	 
5	Tues July 10, <u>2012</u> 4:31:10 PM	Cell Location: Latitude 38.85141718 Longitude -77.07823592	Address: 1700 Army Navy Dr, Arlington, VA 22202	 
6	Tues July 10, <u>2012</u> 4:44:59 PM	Cell Location: Latitude 38.82705807 Longitude -77.08610582	Address: 1737 W Braddock Pl, Alexandria, VA 22302	 
6a	Tues July 10, <u>2012</u> 4:46:29 PM	Wifi Location: Latitude 38.82760035 Longitude -77.08524417	Address: 1715 Centre Plaza, Alexandria, VA 22302	 