# CASE REPORT NATIONAL GALLERY DC

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

A report by Beven Hobson

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#### **EXECUTIVE SUMMARY**

On January 21, 2016, DigiTech Inc. was called in to assist with the National Gallery, Washington DC (NGDC) case involving the conspiracy associated with the theft of valuable stamps and defacing of museum of art at the NGDC.

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

As described fully in this report, DigiTech, Inc. made the following findings:

- Tracy Had a financially aimed Motivation to commit the above-mentioned theft and defacement.
- Tracy had her brothers (Pat) assistance as well as an associate of Pat called King.
- Tracy and Pat used Aliases during the preparation of these events, Coral and Perry respectively.
- Tracy and Pat had conspired to steal the highly valuable stamp collection.
- Pat had blackmailed King into helping them by threatening to get in touch with King's Parole officer.
- Tracy had arranged for Carry to be able to sneak in a tablet for a flash mob event (which resulted in the defacement)

All data was Attained utilizing a combination of the following tools / programs;

- Kali Linux
- Nano text editor
- Google Maps (for GPS co-ordinates)
- Salite Browser
- Autopsy

#### DETAILS OF TRACY'S IPHONE

Please Refer to Appendix A at the end of this Document.

#### **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

Email: tracysumtwelve@gmail.com

Work email: <a href="mailto:tracy.sumtwelve@nationalgallerydc.org">tracy.sumtwelve@nationalgallerydc.org</a>

Alias email: coralbluetwo@hotmail.com

Relationship: Accused

#### Pat:

Phone Number: (571) 308-3236

Email: <u>patsumtwelve@gmail.com</u>

Alias Email: perrypatsum@yahoo.com

Relationship: Brother of the Accused (Co-Conspirator)

Terry:

Phone Number: (703) 829-6071

Email: n/a

Relationship: Daughter of the Accused

Joe:

Phone Number: n/a

Email: joe.sum.twelve@gmail.com

Relationship: Ex Husband of the Accused (Terry's Father)

Carry:

Phone Number: (202) 725-2124

Email: <u>carrysum2012@yahoo.com</u>

catsumtwelve@gmail.com

Relationship: Friend of the Accused and organizer of the Flash Mob

King:

Phone Number: n/a

Email: throne1966@hotmail.com

Relationship: Parolee being Blackmailed by the accused and her brother

Tracy and Pat are using Multiple Alias email accounts to communicate with one another which signals a potential risk, later on we will see that they had organized the Theft and made the flash mob possible and had blackmailed King through email.

## Evidence relating to theft of valuable stamps

This sub-section provides details regarding the evidence found as it relates to the theft of valuable stamps.

For full View of all time stamps please see Appendix B, relevant evidence is as follows;

Artifact #	Timestamp	Header Information	Key Information	Evidence Location
1.	6/19/2012 20:06:33	F: patsumtwelve@gmail.com T: tracysumtwelve@gmail.com Subject: Paris Speak and answer	Pat emails Tracy letting her know that he has accepted her proposal and asks her to email using her alias for further instructions.	Mailbox Data Structure

Artifact #	Timestamp	Header Information	Key Information	Evidence Location
3.	6/19/2012 21:38:59	F: perrypatsum@yahoo.com T: coralbluetwo@hotmail.com  Subject: Crazydave by the VMs Attachment: Crazydave1.mp3	Pat (Perry) emails Tracy (Coral) with instructions to install a Virtual Machine hidden in an audio file.	Mailbox Data Structure

Artifact #	Timestamp	Header Information	Key Information	Evidence Location
6.	6/28/2012 19:31:33	6/28/2012 19:31:33 F: perrypatsum@yahoo.com T: coralbluetwo@hotmail.com Subject: Whats going on	Pat (Perry) emails Tracy (Coral) asking her to henceforth communicate using the aliases and the Virtual Machine setup to keep them safer. He also indicates that they might have to get into riskier/illegal business since both of them were facing financial hardships.	Mailbox Data Structure

	He tells her that few of his workplace friends were good at these businesses and that he will inform her should something pop-up; in the meantime they should keep discussing some ideas for the same.	
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Artifact #	Timestamp	Header Information	Key Information	Evidence Location
10.	7/2/2012 16:13:18	F: perrypatsum@yahoo.com T: coralbluetwo@hotmail.com Subject: Re: Some good news	Email Thread: Some good news Tracy (Coral) emails Pat (Perry) mentioning that some interesting foreign exhibit is going to happen and that from assessing the paperwork she feels that it would be a big deal. Pat (Perry) replies back feeling hopeful about this being the opportunity they were looking for.	Mailbox Data Structure

Artifact #	Timestamp	Header Information	Key Information	Evidence Location
13.	7/3/2012 14:53:04	F: perrypatsum@yahoo.com T :coralbluetwo@hotmail.com Subject: Re: Some good news	Email Thread: Some good news Tracy (Coral) emails Pat (Perry) saying that the exhibit is rare and highly valuable stamp collection and that may be this is their opportunity. Pat (Perry) replies to Tracy (Coral) asking her to collect as much information as possible about the stamp exhibit and that in the meantime he would look into options for pulling off the heist.	Mailbox Data Structure

Artifact #	Timestamp	Header Information	Key Information	Evidence Location
16.	7/6/2012 15:49:31	F: patsumtwelve@gmail.com T: throne1966@hotmail.com Cc:coralbluetwo@hotmail.com Subject: can't pass up	Pat emails King with Tracy (Coral) in cc, saying that he has a lucrative proposition, a heist at national gallery. He also threatens King to comply or else he would put King's parole in jeopardy.	Mailbox Data Structure

Artifact #	Timestamp	Header Information	Key Information	Evidence Location
18.	7/9/2012 14:44:11	F: tracysumtwelve@gmail.com T: coralbluetwo@hotmail.com Subject: things	documents.zip is a compressed ZIP folder containing 3 insurance documents related to stamps.  docs.zip is an encrypted ZIP folder containing 3 insurance documents related to stamps.	/mobile/Librar y/Mail/POP- coralbluetwo @hotmail.com @pop3.live.co m/INBOX.mbo x/Messages/8 A3BD06F- CDB1-4453- 9C69- 77E06823F2A E.emlx

Artifact #	Timestamp	Header Information	Key Information	Evidence Location
21	7/10/2012 15:24:57	F: patsumtwelve@gmail.com T: coralbluetwo@hotmail.com Subject: Fwd: can't pass up Attachment: needs.txt	Email Thread: cant' pass up King agrees to help with the heist and sends in a document with equipment required for it. The attached document is saved as a 'txt' file.	/mobile/Librar y/Mail/POP- coralbluetwo @hotmail.com @pop3.live.co m/INBOX.mbo x/Messages/9 F0508B8- 04FB-490E- A7F0- 3E23B0E7C5 9B.emlx

	Pat forwards that email to Tracy (Coral) *needs.txt is a pdf file which was saved with a wrong extension.	
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Artifact #	Timestamp	Header Information	Key Information	Evidence Location
41.	7/10/2012 15:26:19	F: Pat T: Tracy	Pat messages Tracy telling her about the email and informing that the attachment needs to be changed to pdf. He asks Tracy to tell this information to Coral.	SMS

Artifact #	Timestamp	Header Information	Key Information	Evidence Location
42.	7/10/2012 15:58:04	F: Tracy T: Pat	Tracy acknowledges the email and message.	SMS

Artifact #	Timestamp	Header Information	Key Information	Evidence Location
43.	7/10/2012 16:37:09	F: Tracy T: Pat *Failed	Tracy tried to share the following location with Pat over MMS message but it failed. Location: 2600-2700 24th Rd S, Arlington, VA 22206	SMS

## **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.

For full View of all time stamps please see Appendix B, relevant evidence is as follows;

Artifact #	Timestamp	Header Information	Key Information	Evidence Location
14.	7/5/2012 15:51:31	F: carrysum2012@yahoo.com T: tracysumtwelve@gmail.com Subject: Long time no see	Carry reaches out to Tracy asking her if they could meet-up for lunch and suggests this Friday. She also mentions that through Facebook she realized that Tracy was having a hard time recently.	Mailbox Data Structure

Artifact #	Timestamp	Header Information	Key Information	Evidence Location
19.	7/9/2012 18:18:47	F: carrysum2012@yahoo.com T: tracysumtwelve@gmail.com Subject: Re: Long time no see	Email Thread: Long time no see Tracy thanked Carry for the lunch.  Carry emails Tracy asking for help sneaking in a tablet for a flash mob event they had spoken earlier about. Carry suggests that Tracy would be compensated in some way for the help.	Mailbox Data Structure

Artifact #	Timestamp	Header Information	Key Information	Evidence Location
20.	7/10/2012 13:48:40	F: carrysum2012@yahoo.com T: tracysumtwelve@gmail.com	Email Thread: Long time no see  Tracy agrees to help Carry sneak in the tablet and asks	Mailbox Data Structure

Subject: Re: Long time no see	when Carry would like to get in to take a look around the gallery. Carry replies saying that this would be a big help and asks if she could come around 9 tomorrow.	
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Artifact #	Timestamp	Header Information	Key Information	Evidence Location
22.	7/11/2012 17:06:19	F: carrysum2012@yahoo.com T: tracysumtwelve@gmail.com Subject: Re: Long time no see	Email Thread: Long time no see Tracy confirms the meet at 9 tomorrow. Carry wants Tracy to pass her information regarding shift changes of security. She suggests that Tracy would be well compensated for the information.  Tracy confirms that she will give the security shift information Carry requested in exchange for money but asks Carry to be careful with it.  Carry replies asking Tracy not to worry and says "It will be gun".	Mailbox Data Structure

Artifact #	Timestamp	Header Information	Key Information	Evidence Location
23.	7/11/2012 19:28:53	F: "Google+" <noreply- 5dd47ca1@plus.google.com=""> T: tracysumtwelve@gmail.com  Subject: Carry Carsumtwotwelve added you on Google+</noreply->	Email Thread: Long time no see Previous email from the thread from Carry asking for the security shift details from Tracy.	Mailbox Data Structure

Artifact #	Timestamp	Header Information	Key Information	Evidence Location
24.	7/11/2012 23:22:03	F: "Carry Carsumtwotwelve (Google+)" <replyto- 748d3d22@plus.google.com=""> T: tracysumtwelve@gmail.com  Subject: Carry Carsumtwotwelve is sharing with you on Google+</replyto->	Notification from Google+ informing Tracy that Carry had shared an album.	Mailbox Data Structure

Artifact #	Timestamp	Header Information	Key Information	Evidence Location
32.	7/5/2012 18:18:23	F: Carry T: Tracy	Carry sets up the time and location as 1pm at Bubba's grill for meeting with Tracy	SMS

Artifa	ct Tim	estamp	Header Information	Key Information	Evidence Location
33.		/2012 20:26	F: Tracy T: Carry	Tracy confirms the meeting time and location	SMS

Artifact #	Timestamp	Header Information	Key Information	Evidence Location
39.	7/6/2012 16:27:16	F: Carry T: Tracy	Carry messages saying she has a table inside	SMS

Artifact #	Timestamp	Header Information	Key Information	Evidence Location
40.	7/6/2012 16:27:50	F: Tracy T: Carry	Tracy replies back saying that she will be there.	SMS

Artifact #	Timestamp	Header Information	Key Information	Evidence Location
47.	7/11/2012 12:41:45	F: Carry T: Tracy	Carry messages Tracy informing that she is almost there (National Gallery)	SMS

Artifact #	Timestamp	Header Information	Key Information	Evidence Location
48.	7/11/2012 12:49:08	F: Tracy T: Carry	Tracy replies to Carry asking her to meet out front. She says that she will take the tablet in.	SMS

#### PLOT TIMELINE

- 21/06/2012 17:43:15 Aliases are established between Pat and Tracy
- 03/07/2012 14:53:04 Tracy approaches Pat with her idea to steal the valuable stamps
- 05/07/2012 15:51:31 Carry Reaches out to Tracy
- 06/07/2012 16:27:16 Tracy Meets with Carry
- 09/07/2012 14:44:11 Pat Blackmails King to assist in the plan
- 09/07/2012 14:44:11 Tracy emails Pat insurance documents for the stamps
- 09/07/2012 18:18:47 Carry Requests Tracy's assistance for the flash mob
- 10/07/2012 13:48:40 Tracy accepts Carry's proposal
- 10/07/2012 15:24:57 King agrees to assist in the heist
- 11/07/2012 12:49:08 Tracy meets Carry at the Museum to sneak in the tablet
- 12/07/2012 18:03:51 Carry shares a google folder to Tracy via email message.

## WI-FI/GPS LOCATION INFORMATION

Please Refer to Appendix C at the end of this document.

#### **CONCLUSION**

Evidence found on Tracy's iPhone indicated the following:

- Tracy used the alias Coral and Pat used the alias, Perry.
- Tracy was involved in both the theft of the valuable stamps as well as the defacement of property at the museum.
- Tracy organized this heist with her brother Pat, and they blackmailed King into their involvement also.
- Tracy and Pat attempted to communicate through secret channels and messages.
- Tracy was Financially motivated to commit this heist as she needed money to pay for her daughter's expensive school.
- Tracy assisted in the defacement by helping her friend Carry sneak a tablet past the museum security.

## **APPENDICIES**

## Appendix A - Details of Tracy's iPhone

Name	Findings	Location in iPhone image file
Model	lphone 1 or 2	/vol5/mobile/library/logs/applesupport/general.log
Host Name	Tracy Sumtwelves Iphone	/vol5/logs/lockdownd.log.1
OS Version	#4.2.1	/vol5/mobile/library/logs/applesupport/general.log
Install Time	6/6/2012 12:03:28 -0700	/vol5/mobile/library/logs/applesupport/general.log
User Email	traceysumtwelve@gmail.com coralbluetwo@hotmail.com tracy.sumtwelve@nationalgallerydc.org	/vol5/mobile/library/mail/envelope index
Phone Number	(703)340-9661	/vol5/logs/lockdownd.log.1
Serial Number	#86004482y7h	/vol5/mobile/library/logs/applesupport/general.log
ICCID	89014103255195342366	/vol5/logs/lockdownd.log.1
IMEI	012021003735398	/vol5/root/library/lockdown/activation_records/wildca rd_record.plist
MD5 Hash	34c4888f095dc3241330462923f6fea5	•
SHA256 Hash	71aed05a86a753dec4ef4033ed7f52d657	77ccb534ca0d1e83ffd27683e621607

## Appendix B - Correspondence Evidence Worksheet

	Master Timeline of NGDC					
Artifact #	Timestamp	Header Information	Key Information	Evidence Location		
1.	6/19/2012 20:06:33	F: patsumtwelve@gmail.com T: tracysumtwelve@gmail.com	Pat emails Tracy letting her know that he has accepted her proposal and asks her to email using her alias for further instructions.	Mailbox Data Structure		
		Subject: Paris Speak and answer				
2.	6/19/2012 20:26:47	F: perrypatsum@yahoo.com T: tracysumtwelve@gmail.com	Pat (Perry) emails Tracy to ask her to communicate using her alias.	Mailbox Data Structure		
		Subject: Look me up sometime				
3.	6/19/2012 21:38:59	F: perrypatsum@yahoo.com T: coralbluetwo@hotmail.com	Pat (Perry) emails Tracy (Coral) with instructions to install a Virtual Machine hidden in an audio file.	Mailbox Data Structure		
		Subject: Crazydave by the VMs Attachment: Crazydave1.mp3				
4.	6/19/2012 21:39:34	F: perrypatsum@yahoo.com T: coralbluetwo@hotmail.com	Pat (Perry) replies to Tracy (Coral) confirming that he was getting her emails.	Mailbox Data Structure		
		Subject: Re: ???				
5.	6/21/2012 17:43:15	F: perrypatsum@yahoo.com T: coralbluetwo@hotmail.com  Subject: Re: Crazydave by the	Pat (Perry) replies to Tracy (Coral) on a email thread about Virtual Machine installation saying that she should listen to some other songs as well.	Mailbox Data Structure		
		Subject: Re: Crazydave by the VMs	Jongo as well.			

			In the email thread Tracy (Coral) confirms that the instructions sent earlier in the audio file helped her.	
6.	6/28/2012 19:31:33	6/28/2012 19:31:33 F: perrypatsum@yahoo.com T: coralbluetwo@hotmail.com  Subject: Whats going on	Pat (Perry) emails Tracy (Coral) asking her to henceforth communicate using the aliases and the Virtual Machine setup to keep them safer. He also indicates that they might have to get into riskier/illegal business since both of them were facing financial hardships.	Mailbox Data Structure
			He tells her that few of his workplace friends were good at these businesses and that he will inform her should something pop-up; in the meantime they should keep discussing some ideas for the same.	
7.	6/29/2012 14:21:56	F: perrypatsum@yahoo.com T: coralbluetwo@hotmail.com	This is an email thread between Pat (Perry) and Tracy (Coral) discussing ideas for making some money.	Mailbox Data Structure
		Subject: Re: Whats going on		
			To Pat's suggestion that they use the Virtual Machines and aliases to communicate and keep looking for ways to make money, Tracy replies that she will keep her eyes open for opportunities and insists	

			that Pat try to get in on some business soon, since her kid didn't want to change schools. She also indicates that she is paying attention to documents especially insurance papers so that she could identify something of potential. Pat assures that he will make something happen although he is nervous because IA has been sniffing around.	
8.	6/29/2012 14:31:36	F: perrypatsum@yahoo.com T: tracysumtwelve@gmail.com  Subject: hey sis	Pat (Perry) emails Tracy addressing her as 'sister' and enquires about Terry. Asks her to check in with Coral with whom he has been planning some things. He also suggests all of them going together for dinner as friends. He asks Tracy to check in with Coral. Possible misdirection attempted by referring to Coral as a third person in the narrative.	Mailbox Data Structure
9.	6/29/2012 15:21:35	F: perrypatsum@yahoo.com T: coralbluetwo@hotmail.com  Subject: Re: Whats going on	Pat (Perry) replies to the email thread allaying Tracy's (Coral) concern about IA sniffing around him. Tracy in her earlier email in the thread says that although nothing interesting has turned up yet she expects something soon. Pat in his email mentions that they can certainly get the job done if something like what they had earlier discussed pops up.	Mailbox Data Structure
10.	7/2/2012 16:13:18	F: perrypatsum@yahoo.com T: coralbluetwo@hotmail.com	Email Thread: Some good news	Mailbox Data Structure

		Subject: Re: Some good news	Tracy (Coral) emails Pat (Perry) mentioning that some interesting foreign exhibit is going to happen and that from assessing the paperwork she feels that it would be a big deal. Pat (Perry) replies back feeling hopeful about this being the opportunity they were looking for.	
11.	7/2/2012 20:00:31	F: perrypatsum@yahoo.com T: coralbluetwo@hotmail.com  Subject: Re: Some good news	Email thread: Some good news Following up on the earlier email about the exhibit, Tracy (Coral) mentions going through documents related to the exhibit from which she found that the exhibit is worth a lot of money but the shipping cost is very low comparatively.  Pat (Perry) emails back saying that such a thing	Mailbox Data Structure
			may mean that the exhibit is something small which would be a very good thing for them.	
12.	7/3/2012 13:29:37	F: joe.sum.twelve@gmail.com T: tracysumtwelve@gmail.com Subject: Re: Regarding Terry	Email Thread: Regarding Terry Tracy emails Joe asking whether he could help her with Terry's tuition this year since it is becoming too expensive for her. Joe replies back saying that he won't be paying Terry's tuition if she is not living	Mailbox Data Structure
13.	7/3/2012	F: perrypatsum@yahoo.com	with him.  Email Thread: Some good	Mailbox Data
10.	14:53:04	T :coralbluetwo@hotmail.com	news	Structure

		Subject: Re: Some good news	Tracy (Coral) emails Pat (Perry) saying that the exhibit is rare and highly valuable stamp collection and that may be this is their opportunity. Pat (Perry) replies to Tracy (Coral) asking her to collect as much information as possible about the stamp exhibit and that in the meantime he would look into options for pulling off the heist.	
14.	7/5/2012 15:51:31	F: carrysum2012@yahoo.com T: tracysumtwelve@gmail.com  Subject: Long time no see	Carry reaches out to Tracy asking her if they could meet-up for lunch and suggests this Friday. She also mentions that through Facebook she realized that Tracy was having a hard time recently.	Mailbox Data Structure
15.	7/6/2012 15:27:51	F: patsumtwelve@gmail.com T: tracysumtwelve@gmail.com	Email Thread: Good News	Mailbox Data Structure
		Subject: Re: Good News	Tracy emailed Pat saying that she spoke with Coral and that Coral got some great news about her job and suggested that Pat catch up with Coral.	
			Pat replied back saying that he knows a guy called King.	
16.	7/6/2012 15:49:31	F: patsumtwelve@gmail.com T: throne1966@hotmail.com Cc:coralbluetwo@hotmail.com Subject: can't pass up	Pat emails King with Tracy (Coral) in cc, saying that he has a lucrative proposition, a heist at national gallery. He also threatens King to comply or else he would put King's parole in jeopardy.	Mailbox Data Structure

17.	7/6/2012 17:59:24	F: patsumtwelve@gmail.com T: tracysumtwelve@gmail.com	Email Thread: Good News	Mailbox Data Structure
		Subject: Re: Good News	Tracy suggests they (meaning King, Tracy and Pat) should hang out sometime. Pat emails Tracy with account login information for: coralblue@hotmail.com Password: legalBee	
18.	7/9/2012 14:44:11	F: tracysumtwelve@gmail.com T: coralbluetwo@hotmail.com  Subject: things	documents.zip is a compressed ZIP folder containing 3 insurance documents related to stamps.  docs.zip is an encrypted ZIP folder containing 3	/mobile/Librar y/Mail/POP- coralbluetwo @hotmail.com @pop3.live.co m/INBOX.mbo x/Messages/8 A3BD06F- CDB1-4453- 9C69-
			insurance documents related to stamps.	77E06823F2A E.emlx
19.	7/9/2012 18:18:47	F: carrysum2012@yahoo.com T: tracysumtwelve@gmail.com	Email Thread: Long time no see Tracy thanked Carry for the lunch.	Mailbox Data Structure
		Subject: Re: Long time no see	Carry emails Tracy asking for help sneaking in a tablet for a flash mob event they had spoken earlier about. Carry suggests that Tracy would be compensated in some way for the help.	
20.	7/10/2012 13:48:40	F: carrysum2012@yahoo.com T: tracysumtwelve@gmail.com	Email Thread: Long time no see	Mailbox Data Structure

		Subject: Re: Long time no see	Tracy agrees to help Carry sneak in the tablet and asks when Carry would like to get in to take a look around the gallery. Carry replies saying that this would be a big help and asks if she could come around 9 tomorrow.	
21	7/10/2012 15:24:57	F: patsumtwelve@gmail.com T: coralbluetwo@hotmail.com  Subject: Fwd: can't pass up Attachment: needs.txt	Email Thread: cant' pass up King agrees to help with the heist and sends in a document with equipment required for it. The attached document is saved as a 'txt' file.  Pat forwards that email to Tracy (Coral) *needs.txt is a pdf file which was saved with a wrong extension.	/mobile/Librar y/Mail/POP- coralbluetwo @hotmail.com @pop3.live.co m/INBOX.mbo x/Messages/9 F0508B8- 04FB-490E- A7F0- 3E23B0E7C5 9B.emlx
22.	7/11/2012 17:06:19	F: carrysum2012@yahoo.com T: tracysumtwelve@gmail.com  Subject: Re: Long time no see	Email Thread: Long time no see Tracy confirms the meet at 9 tomorrow. Carry wants Tracy to pass her information regarding shift changes of security. She suggests that Tracy would be well compensated for the information.	Mailbox Data Structure
			Tracy confirms that she will give the security shift information Carry requested in exchange for money but asks Carry to be careful with it.  Carry replies asking Tracy	

			not to worry and says "It will be gun".	
23.	7/11/2012 19:28:53	F: "Google+" <noreply- 5dd47ca1@plus.google.com&gt; T: tracysumtwelve@gmail.com</noreply- 	Email Thread: Long time no see Previous email from the thread from Carry asking for the security shift details from Tracy.	Mailbox Data Structure
		Subject: Carry Carsumtwotwelve added you on Google+		
24.	7/11/2012 23:22:03	F: "Carry Carsumtwotwelve (Google+)" <replyto- 748d3d22@plus.google.com&gt; T: tracysumtwelve@gmail.com</replyto- 	Notification from Google+ informing Tracy that Carry had shared an album.	Mailbox Data Structure
		Subject: Carry Carsumtwotwelve is sharing with you on Google+		
25.	7/12/2012 16:12:07	F: "Carry Carsumtwotwelve (Google+)" <replyto- 748d3d22@plus.google.com&gt; T: tracysumtwelve@gmail.com</replyto- 	Notification from Google+ informing Tracy that Carry had shared an album.	Mailbox Data Structure
		Subject: Carry Carsumtwotwelve is sharing with you on Google+		
26.	7/12/2012 18:03:51	F: carrysum2012@yahoo.com T: tracysumtwelve@gmail.com	Email Thread: Long time no see Tracy emailed Carry asking her what she meant by "It will be gun".	Mailbox Data Structure
		Subject: Re: Long time no see		
			Carry replies saying that it was a typographical error and she meant "It will be fun".	

27.	6/12/2012 21:25:04	F: Pat T: Tracy	Pat asks Tracy about her plans for the weekend	SMS
28.	6/13/2012 17:30:28	F: Terry T: Tracy	I'm going out with dad after school for pizza! Thought I'd let you know if you planned to cook. T	SMS
29.	6/13/2012 18:30:38	F: Tracy T: Pat	Tracy replies to Pats message saying that she has no big plans and enquires about his plans.	SMS
30.	6/13/2012 18:33:46	F: Tracy T: Terry	Ok, sounds good.	SMS
31.	7/3/2012 14:04:32	F: Terry T: Tracy	Terry replies back saying that she doesn't want to switch schools and would rather stay with her dad and continue at Prufrock	SMS
32.	7/5/2012 18:18:23	F: Carry T: Tracy	Carry sets up the time and location as 1pm at Bubba's grill for meeting with Tracy	SMS
33.	7/5/2012 18:20:26	F: Tracy T: Carry	Tracy confirms the meeting time and location	SMS
34.	7/6/2012 15:02:19	F: Tracy T: Pat	Tracy asks Pat to give her a call	SMS
35.	7/6/2012 15:08:37	F: Pat T: Tracy	Pat says he is busy and suggests calling later	SMS
36.	7/6/2012 15:11:54	F: Tracy T: Pat	Tracy says its important and insists that pat call her soon	SMS
37.	7/6/2012 15:13:31	F: Pat T: Tracy	Pat says he will call in 5 min	SMS
38.	7/6/2012 15:18:50	F: Pat T: Tracy	Pat calls Tracy and they speak for 4 min 4 secs.	SMS
39.	7/6/2012 16:27:16	F: Carry T: Tracy	Carry messages saying she has a table inside	SMS
40.	7/6/2012 16:27:50	F: Tracy T: Carry	Tracy replies back saying that she will be there.	SMS

41.	7/10/2012 15:26:19	F: Pat T: Tracy	Pat messages Tracy telling her about the email and informing that the attachment needs to be changed to pdf. He asks Tracy to tell this information to Coral.	SMS
42.	7/10/2012 15:58:04	F: Tracy T: Pat	Tracy acknowledges the email and message.	SMS
43.	7/10/2012 16:37:09	F: Tracy T: Pat *Failed	Tracy tried to share the following location with Pat over MMS message but it failed. Location: 2600-2700 24th Rd S, Arlington, VA 22206	SMS
44.	7/10/2012 17:18:38	F: Tracy T: Terry	Tracy messages Terry for Lunch	SMS
45.	7/10/2012 18:19:24	F: Tracy T: Terry	Tracy messages Terry that she is back at work.	SMS
46.	7/10/2012 18:58:24	F: Terry T: Tracy	Terry messages Tracy saying she is busy and suggests meeting up over the weekend if her dad isn't busy.	SMS
47.	7/11/2012 12:41:45	F: Carry T: Tracy	Carry messages Tracy informing that she is almost there (National Gallery)	SMS
48.	7/11/2012 12:49:08	F: Tracy T: Carry	Tracy replies to Carry asking her to meet out front. She says that she will take the tablet in.	SMS
49.	7/13/2012 1:02:10	F: Terry T: Tracy	I really want to go to Dad's this weekend. He said he'll take me shopping for school	SMS

## Appendix C - Location Information Worksheet

#### **Location Information**

Artifact #	Timestamp	Header Information	Body	Map Screenshot
1	13/06/2012 19:01:22 PM	GPS	38.87767624 - 77.11546951	38°52'39.6"N 77°06'55.7"W  38.877676, -77.115470  ONECTIVE IMPACT CONNECTIVE IMPACT





























