

# Case Report

## National Gallery DC

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

By Leo Katz

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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 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.

Evidence from Tracy's phone has shown there was collusion between Tracy, Pat, and King to steal stamps from NGDC. Tracy was providing insider information about the NGDC to assist with Carry's so-called "flash mob," but it was a scheme to damage foreign artwork at NGDC.

Forensic images were collected from an image of the iPhone 3G on April 18, 2022, in Columbus, Ohio. The forensic image files of the iPhone "tracy-phone-2012-07-15- final.E01" can be viewed as an exact snapshot of the data present on the iPhone 3G during its acquisition.

The following tools were used to :

- Autopsy
- Kali Linux
- DB Browser for SQLite
- Google Maps

## Equipment and Tools

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- Kali Linux
- DB Browser for SQLite
- Google Maps

## Details of Tracy's iPhone

Name	Findings	Location
Model	iPhone 3G	vol5/mobile/Library/Logs/AppleSupport/general.log
Host Name	Tracy Sumtwelve's iPhone	vol5/logs/lockdownd.log.1
OS Version	iPhone OS 4.2.1 (8C148)	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	tracy.sumtwelve@gmail.com coralbluetwo@hotmail.com tracy.sumtwelve@nationalgallerydc.org	vol5/mobile/Library/Mail
Phone Number	+1-703-340-9661	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/wildcard_record.plist
MD5 Hash	34c4888f095dc3241330462923f6fea5	
SHA256 Hash	71aed05a86a753dec4ef4033ed7f52d6577ccb534ca0d1e83ffd27683e621607	

## Evidence to Establish Personas

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

Tracy aka Coral	Phone Number	(703) 340-9961
	Personal Email	tracysumtwelve@gmail.com
	Work Email	tracy.sumtwelve@nationalgallerydc.org
	Relationship	Accused
Pat aka Perry	Phone Number	(571) 308-3236
	Email	patsumtwelve@gmail.com
	Relationship	Brother
Terry	Phone Number	(703) 829-6071
	Relationship	Daughter
Joe	Email	joe.sum.twelve@gmail.com
	Relationship	Ex-husband
Carry aka Cat	Phone Number	(202) 725-2124
	Email	carrysum2012@yahoo.com
	Relationship	Acquaintance of Tracy
King aka Kart	Email	throne1966@hotmail.com
	Relationship	Acquaintance of Pat

The data collected is from Tracy's phone, and the email associated with the Apple ID is 'tracysumtwelve@gmail.com' Also, her work email 'tracy.sumtwelve@nationalgallerydc.org' was set up on this phone, along with another email address under the alias name Coral Blue. Tracy

is a supervisor at the NGDC. She is colluding with her brother, Pat (Perry), and his accomplice, King (Kart), to steal stamps at the NGDC. She is also getting some help from her colleague Carry (Cat) at NGDC to get some pictures on a tablet. Joe is Tracy's ex-husband and installed a keylogger program on Tracy's laptop to monitor their daughter, Terry's activity on the Internet. This tracking led Joe to find out about Tracy's attempt to steal from NGDC and reported her to the police.

## 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.

The evidence shows that Tracy, Pat, and King were corresponding with each other to plan the theft of valuable stamps from the NGDC. Tracy's phone contained images of stamps that they were interested in stealing.

Pat sent an email to King about the planned heist at NGDC. Pat threatened to have King's parole officer administer a drug test, which would have sent King back to jail.

King replied to Pat that he was agreeable, and attached a document listing the tools needed for this heist (see Appendix A, Artifact #21 and Appendix B, Artifact #4).

Pat forwarded that exchange to Tracy at her Coral address (see Appendix A, Artifact #21 and Appendix B, Artifact #4).

Pat texted "Coral" to inform her that the attached document had to be changed into a PDF format.

Tracy sent an email to herself with an attached ZIP file (see Appendix A, Artifact #18). This compressed file contained three pdf files which were memos about stamp insurance. The memos contained specific stamps and the amount each was insured for.

Appendix D contains the stamp images, of particular interest were the photographs of the following stamps mentioned in the insurance memos:

- Insurance memo, Stamp Insurance1.pdf (see Appendix B, Artifact # 1)
  - Armed Forces Reserve (see Appendix C, page 28)
  - Stamp of Kazakstan2 (see Appendix C, page 27)
  - Brady & Co (see Appendix C, page 29)
- Insurance memo, Stamp Insurance2.pdf (see Appendix B, Artifact # 2)
  - Woman's Profile (see Appendix C, page 37)
  - Stamp of Kazakstan (see Appendix C, page 25)
  - 1929 Nepal (see Appendix C, page 24)
- Insurance memo, Stamp Insurance3.pdf (see Appendix B, Artifact # 3)
  - Douglas MacArthur (see Appendix C, page 26)

- Nederland (see Appendix C, page 36)
- Mongolia (see Appendix C, page 24)

## 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 shows that Tracy was communicating with Carry to assist with Carry's "flash mob" by providing sensitive information about NGDC.

Text messages detail the communication with Tracy and Carry about meeting up at Bubba's grill (see SMS Message Content, Artifacts #7, #8 & #13, and #14).

Another text message indicates another meetup between Tracy and Carry but this time, Tracy will bring Carry's tablet in with her (see SMS Message Content, Artifacts #21 and #22).

In regards to the "flash mob", Tracy asks to Carry how is that going via text message (see SMS Message Content, Artifact #23).

## Plot Timeline

Date	Information
Tuesday, June 19, 2012	Pat sends Tracy information about a virtual machine.
Thursday, July 5, 2012	Text messages between Tracy and Carry about meeting up at Bubba's grill.
Friday, July 6, 2012	Tracy meets up with Carry at Bubba's grill.
Friday, July 6, 2012 - Tuesday, July 10, 2012	Correspondence between Tracy, Pat, and King about the tools needed for the stamp heist.
Sunday, July 08, 2012	Tracy photographs the stamps that they are interested in stealing.
Monday, July 09, 2012	Tracy sends herself copies of memos regarding insurance for specific stamps.
Wednesday, July 11, 2012	Tracy meets up with Carry again to take Carry's tablet in with her.
Thursday, July 12, 2012	Tracy asks to Carry about the status of the "flash mob".



## Conclusion

Evidence found on Tracy's iPhone indicated the following:

It is clear from email correspondence, text messages, images, and location data that Tracy was colluding with Pat and King to steal valuable stamps from the National Gallery. Furthermore, Tracy has been giving insider information to Carry for the purpose of a "flash mob." But the flash mob was merely a pretext for defacing and/or destroying artwork at the National Gallery.

In both cases, the motivation for Tracy was primarily financial. Evidence has been found that Tracy had financial issues which caused friction with both her daughter, Terry, and ex-husband, Joe. Specifically, Tracy could not continue to cover Terry's tuition at Prufrock, a private school.

There were several aliases uncovered throughout this case. At various times and in various pieces of evidence, Tracy used the alias Coral, Pat used the alias Perry, Carry used the alias Cat, and King used the alias Kart.

The most important pieces of evidence at the core of the planned heist are the tool manifest, the stamp insurance memos, and the photos of said insured stamps, as well as the email correspondence that accompanied some of these images. The discovery of Carry's plot to deface artwork at the National Gallery was incidental to the course of this investigation. However, it is no less grave, and this investigator recommends prosecution of both cases to the fullest extent of the law.

## Appendix A: Correspondence Evidence

#	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
2.	6/19/2012 20:26:47	F: perrypatsum@yahoo.com T: tracysumtwelve@gmail.com  Subject: Look me up sometime	Pat (Perry) emails Tracy to ask her to communicate using her alias.	Mailbox Data Structure
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
4.	6/19/2012 21:39:34	F: perrypatsum@yahoo.com T: coralbluetwo@hotmail.com  Subject: Re: ???	Pat (Perry) replies to Tracy (Coral) confirming that he was getting her emails.	Mailbox Data Structure
5.	6/21/2012 17:43:15	F: perrypatsum@yahoo.com T: coralbluetwo@hotmail.com  Subject: Re: Crazydave by the VMs	Pat (Perry) replies to Tracy (Coral) on an email thread about Virtual Machine installation saying that she should listen to some other songs as well.  In the email thread Tracy (Coral) confirms that the instructions sent earlier in the audio file helped her.	Mailbox Data Structure
6.	6/28/2012 19:31:33	6/28/2012 19:31:33 F: perrypatsum@yahoo.com	Pat (Perry) emails Tracy (Coral) asking her to henceforth communicate	Mailbox Data Structure

		<p>T: coralbluetwo@hotmail.com</p> <p>Subject: Whats going on</p>	<p>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. He tells her that a 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.</p>	
7.	6/29/2012 14:21:56	<p>F: perrypatsum@yahoo.com</p> <p>T: coralbluetwo@hotmail.com</p> <p>Subject: Re: Whats going on</p>	<p>This is an email thread between Pat (Perry) and Tracy (Coral) discussing ideas for making some money. 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.</p>	Mailbox Data Structure
8.	6/29/2012 14:31:36	<p>F: perrypatsum@yahoo.com</p> <p>T: tracysumtwelve@gmail.com</p> <p>Subject: hey sis</p>	<p>Pat (Perry) emails Tracy addressing her as 'sister' and enquires about Terry. Asks her to check in with Coral with whom he has</p>	Mailbox Data Structure

			<p>been planning some things. He also suggests all of them go together for dinner as friends. He asks Tracy to check in with Coral.</p> <p>Possible misdirection was attempted by referring to Coral as a third person in the narrative.</p>	
9.	6/29/2012 15:21:35	<p>F: perrypatsum@yahoo.com T: coralbluetwo@hotmail.com</p> <p>Subject: Re: Whats going on</p>	<p>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.</p>	Mailbox Data Structure
10.	7/2/2012 16:13:18	<p>F: perrypatsum@yahoo.com T: coralbluetwo@hotmail.com</p> <p>Subject: Re: Some good news</p>	<p>Email Thread: Some good news</p> <p>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.</p>	Mailbox Data Structure
11.	7/2/2012 20:00:31	<p>F: perrypatsum@yahoo.com T: coralbluetwo@hotmail.com</p> <p>Subject: Re: Some good news</p>	<p>Email thread: Some good news</p> <p>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</p>	Mailbox Data Structure

			<p>money but the shipping cost is very low comparatively.</p> <p>Pat (Perry) emails back saying that such a thing may mean that the exhibit is something small which would be a very good thing for them.</p>	
12.	7/3/2012 13:29:37	<p>F: joe.sum.twelve@gmail.com</p> <p>T: tracysumtwelve@gmail.com</p> <p>Subject: Re: Regarding Terry</p>	<p>Email Thread: Regarding Terry</p> <p>Tracy emails Joe asking whether he could help her with Terry's tuition this year since it is becoming too expensive for her.</p> <p>Joe replies back saying that he won't be paying Terry's tuition if she is not living with him.</p>	Mailbox Data Structure
13.	7/3/2012 14:53:04	<p>F: perrypatsum@yahoo.com</p> <p>T: :coralbluetwo@hotmail.com</p> <p>Subject: Re: Some good news</p>	<p>Email Thread: Some good news</p> <p>Tracy (Coral) emails Pat (Perry) saying that the exhibit is rare and highly valuable stamp collection and that may be this is their opportunity.</p> <p>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.</p>	Mailbox Data Structure
14.	7/5/2012 15:51:31	<p>F: carrysum2012@yahoo.com</p> <p>T: tracysumtwelve@gmail.com</p> <p>Subject: Long time no see...</p>	<p>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.</p>	Mailbox Data Structure

15.	7/6/2012 15:27:51	F: patsumtwelve@gmail.com T: tracysumtwelve@gmail.com  Subject: Re: Good News	Email Thread: 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.	Mailbox Data Structure
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 the 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  Subject: Re: Good News	Email Thread: 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	Mailbox Data Structure
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/Library/Mail/POP-coralbluetwo@hotmail.com@pop3.live.com/INBOX.mbox/Messages/8 A3BD06F-CDB1-4453-9C69-77E06823F2A E.emlx

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
20.	7/10/2012 13:48:40	F: carrysum2012@yahoo.com T: tracysumtwelve@gmail.com  Subject: Re: Long time no see...	Email Thread: 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.	Mailbox Data Structure
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 the wrong extension.	/mobile/Library/Mail/POP-coralbluetwo@hotmail.com/pop3.live.com/INBOX.mbox/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 on her information regarding shift changes of security. She suggests that Tracy would be well	Mailbox Data Structure

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



		Subject: Re: Long time no see...	Carry replies by saying that it was a typographical error and she meant "It will be fun".	
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## Appendix B: Correspondence Attachments

#	Timestamp	Header Information	Attachment Location	Attachment Screenshot
1	Received July 09, 2012, 14:47:58	From: Tracy Sumtwelve (tracysumtwelve@gmail.com) To: coralbluetwo@hotmail.com Subject: Things Attachment: documents.zip	/Attachments/61/3/docs.zip/docs/Stamp Insurance 1.pdf	See page 19
2	Received July 09, 2012, 14:47:58	From: Tracy Sumtwelve (tracysumtwelve@gmail.com) To: coralbluetwo@hotmail.com Subject: Things Attachment: documents.zip	/Attachments/61/3/docs.zip/docs/Stamp Insurance 2.pdf	See page 20
3	Received July 09, 2012, 14:47:58	From: Tracy Sumtwelve (tracysumtwelve@gmail.com) To: coralbluetwo@hotmail.com Subject: Things Attachment: documents.zip	/Attachments/61/3/docs.zip/docs/Stamp Insurance 3.pdf	See page 21
4	Received July 10, 2012, 11:19:00	From: King kthings (throne1966@hotmail.com) To: patsumtwelve@gmail.com Subject: Re: can't pass up Attachment: needs.txt	/Attachments/60/2/needs.txt	See page 22



NATIONAL GALLERY DC  
WASHINGTON



Memorandum of Insurance Assurance:

TO: MylStamp Collections

In Regards to items owned or on loan to the National Gallery DC , Washington from MylStamp 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 MylStamp Collections Only.



NATIONAL GALLERY DC  
WASHINGTON



Memorandum of Insurance Assurance:

TO: MylStamp Collections

In Regards to items owned or on loan to the National Gallery DC , Washington from MylStamp 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 Napal	\$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 MylStamp Collections Only.



NATIONAL GALLERY DC  
WASHINGTON



Memorandum of Insurance Assurance:

TO: MylStamp Collections

In Regards to items owned or on loan to the National Gallery of Art, Washington from MylStamp 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 MacArther	\$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 MylStamp Collections Only.

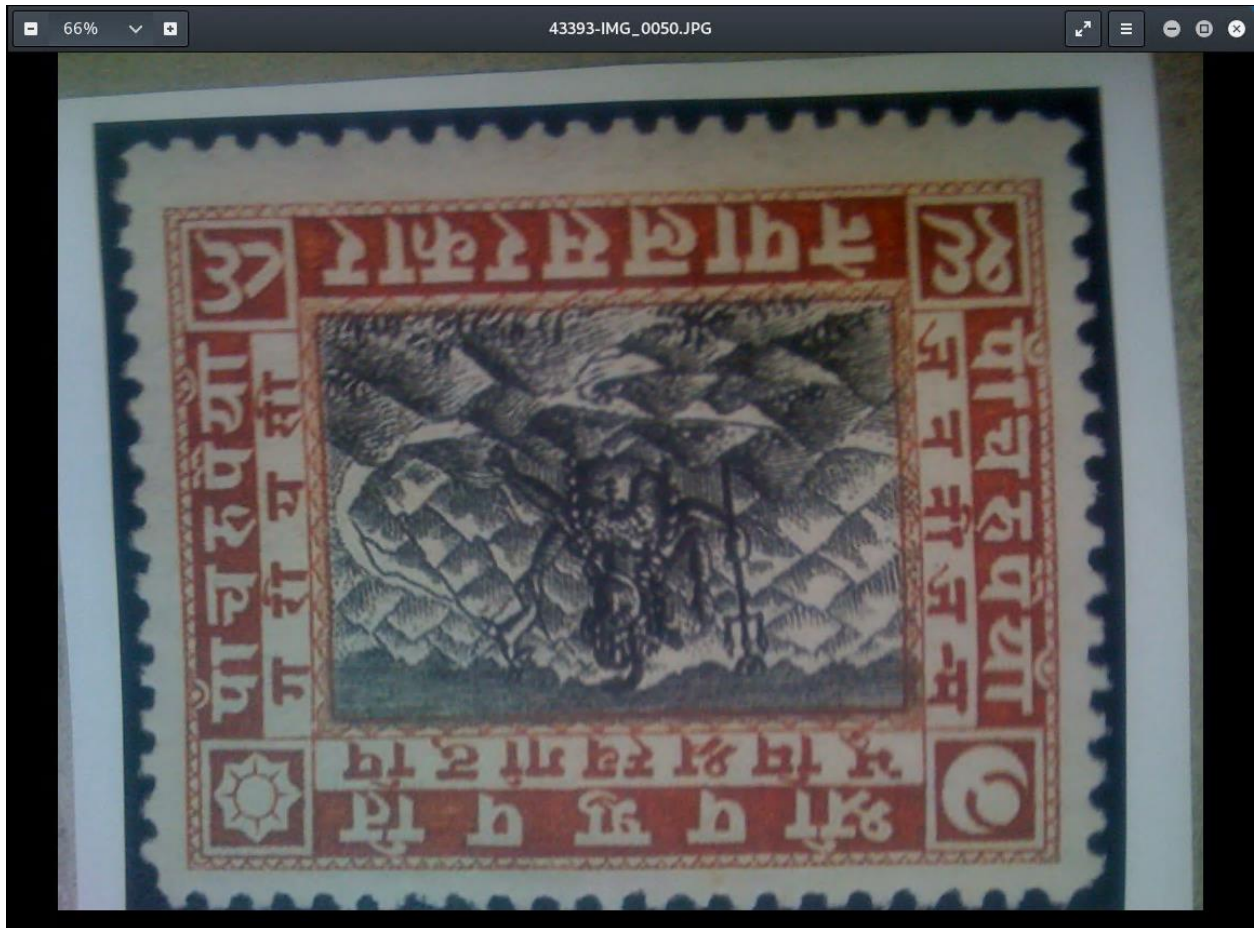
```
-A rope and javelin (using alternative means to break in)
-tactical turtle necks ( what i will be wearing)
-spray paint (for the cameras)
-vibram five finger shoes (in order to walk silently)
-pack of smokes (detecting lasers)
-smoke grenades (use as a means of escape if caught)
```

-----METADATA-----

```
Author: NCR LAB
Content-Type: application/pdf
Creation-Date: 2012-06-28T15:39:32Z
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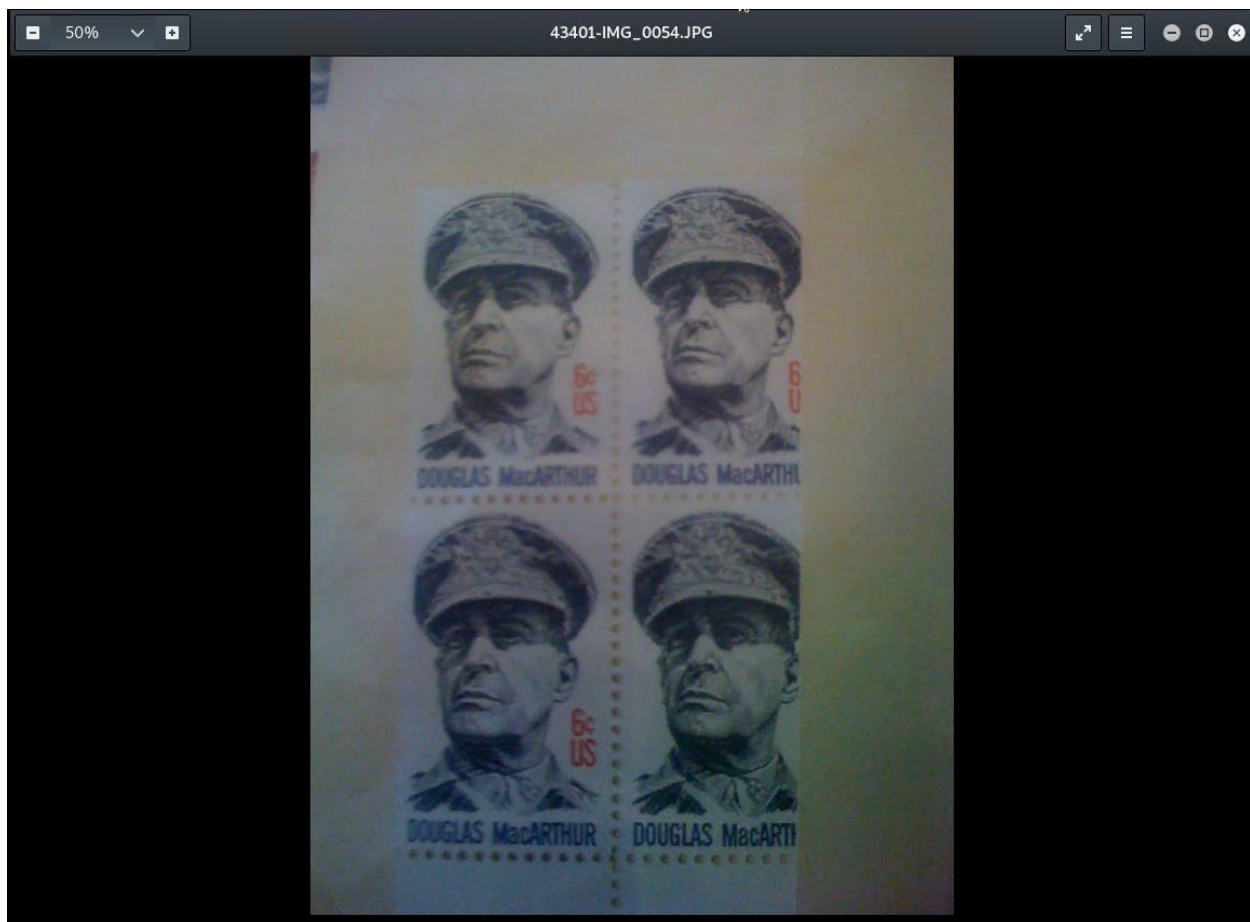
## Appendix C: Photos

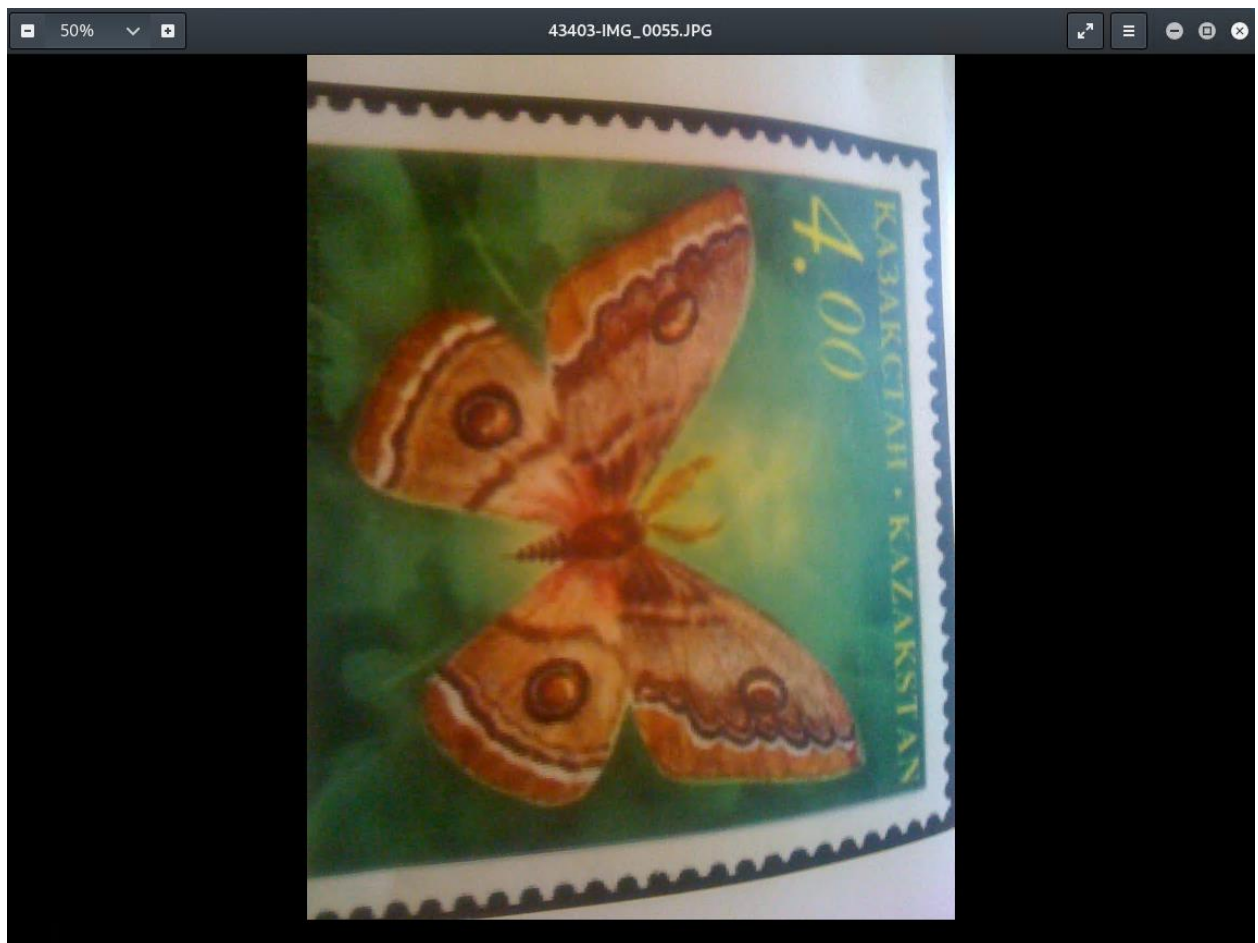


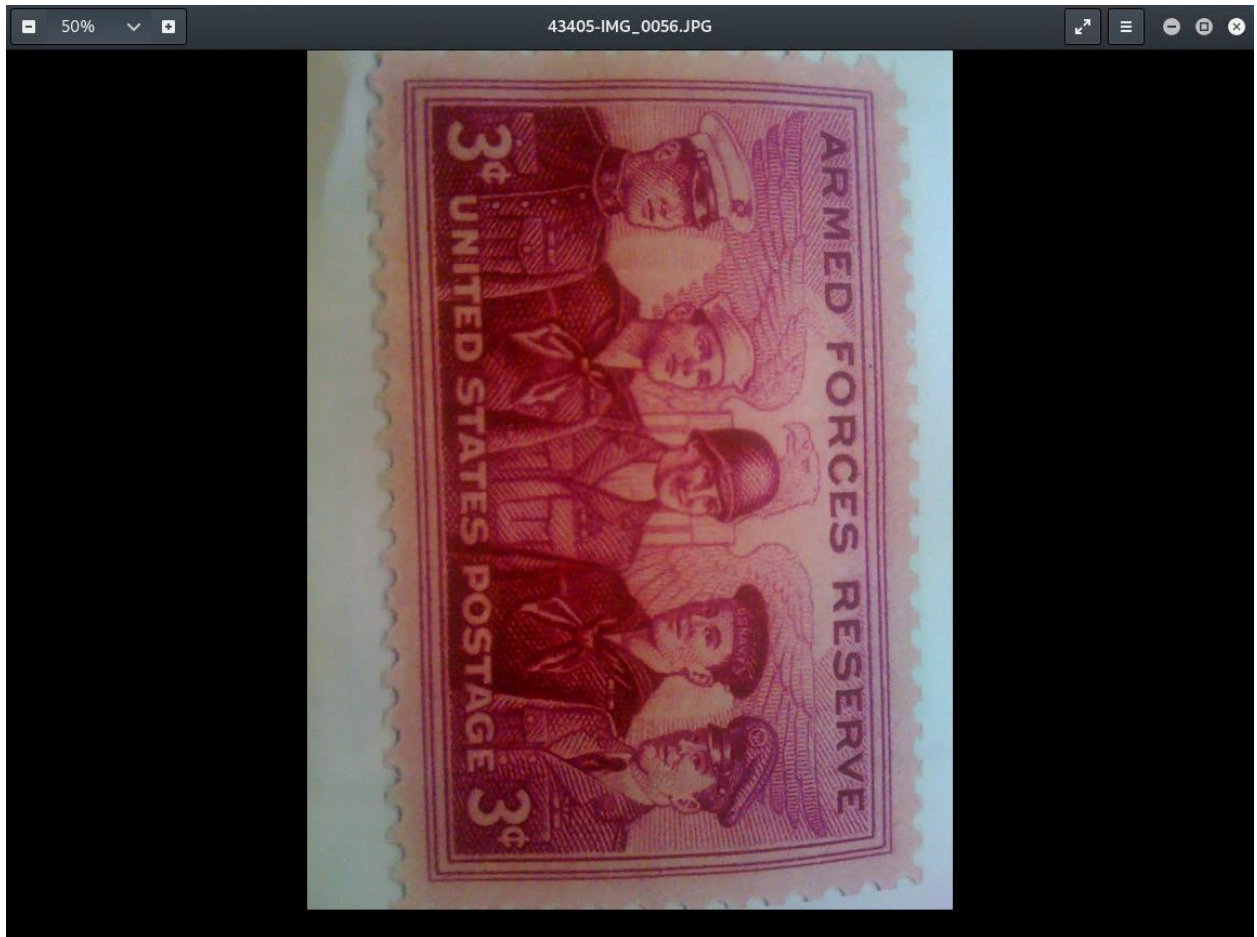


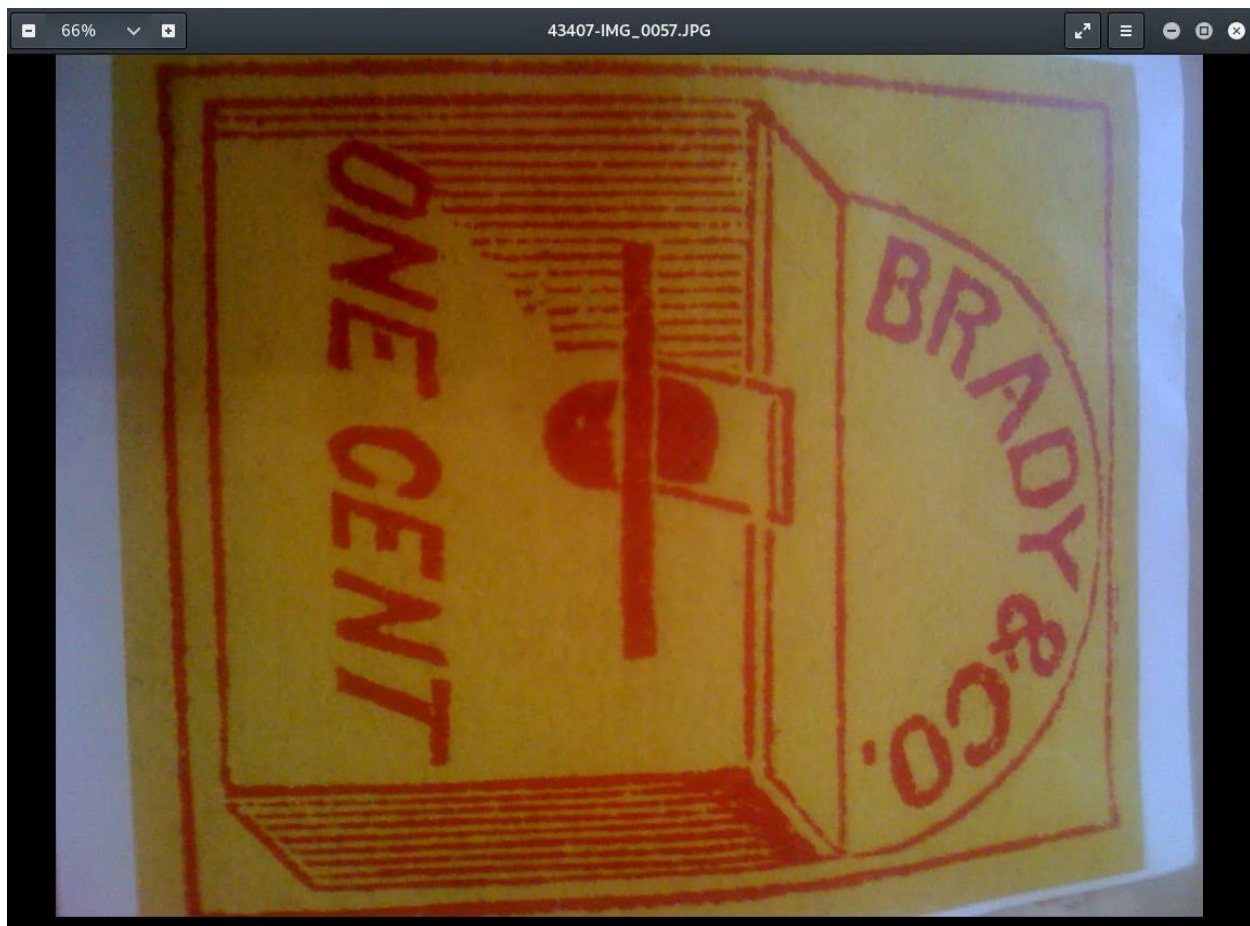




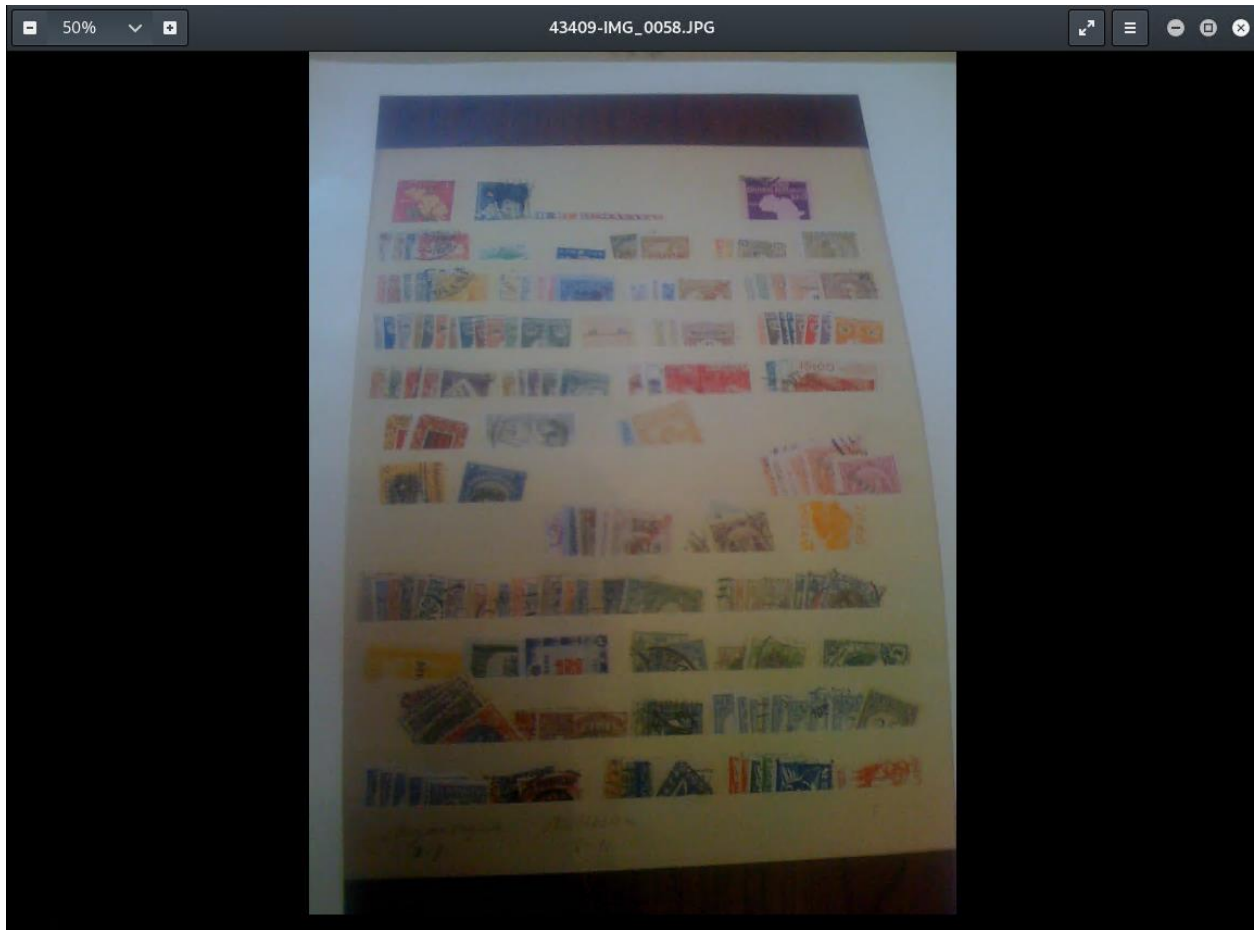


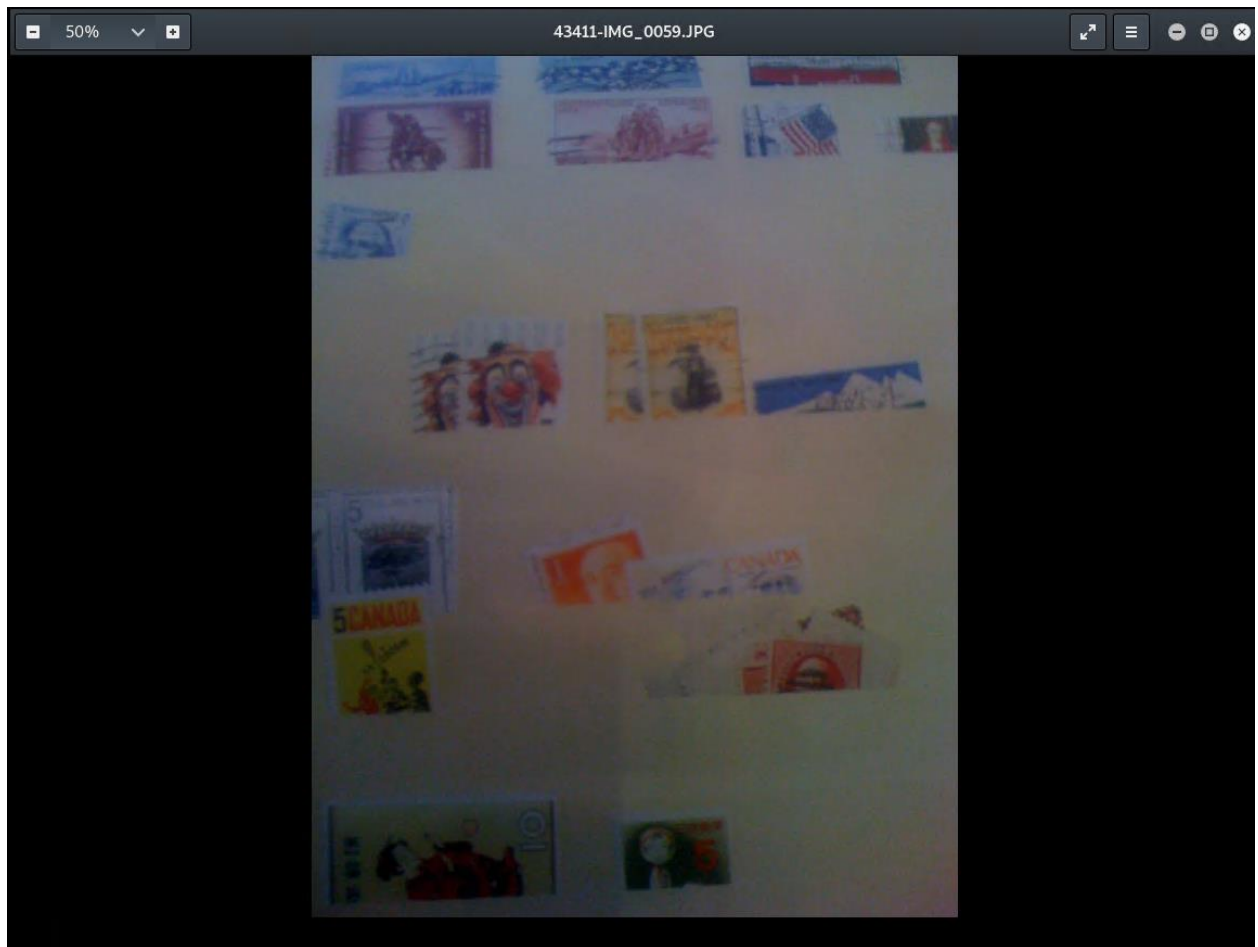


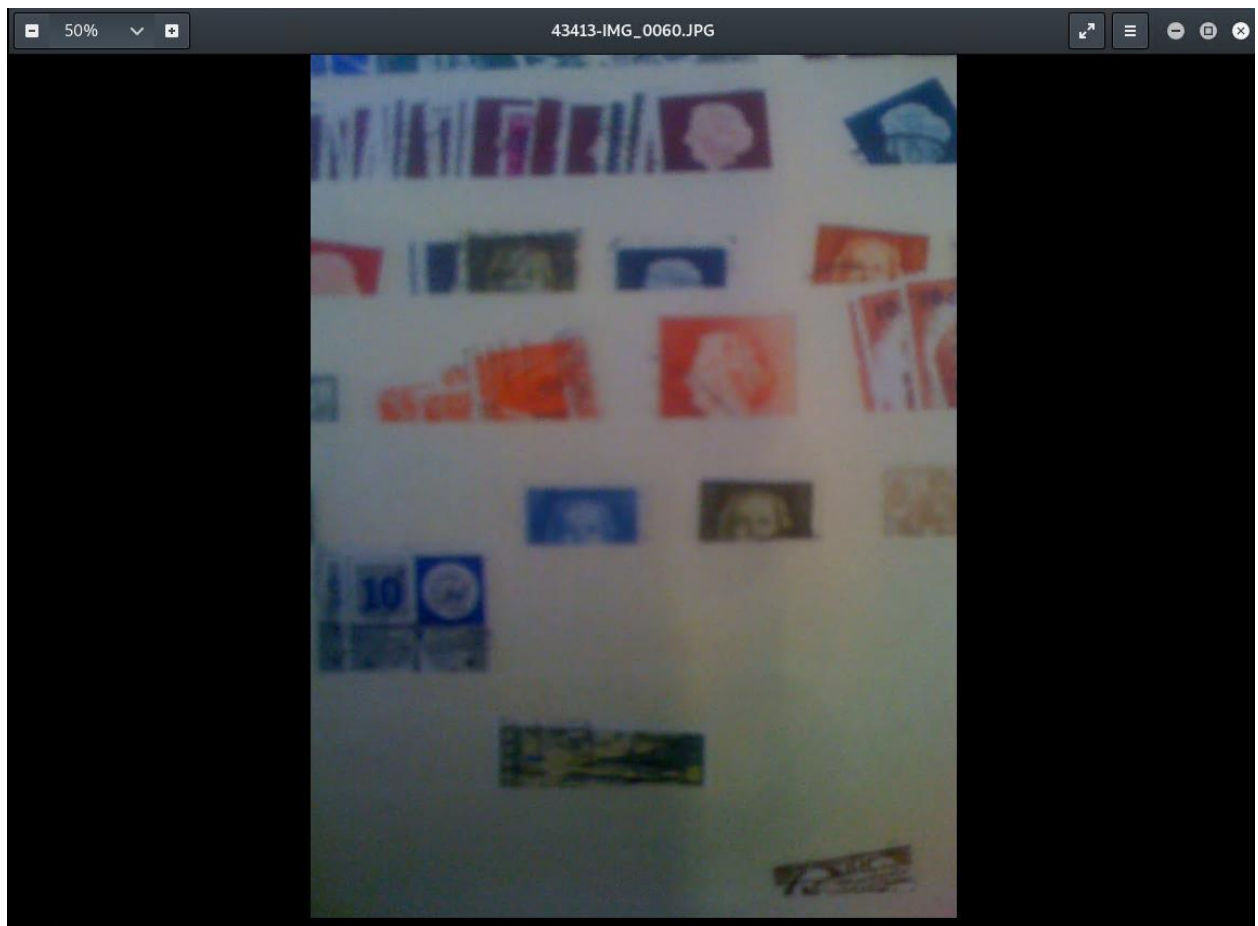




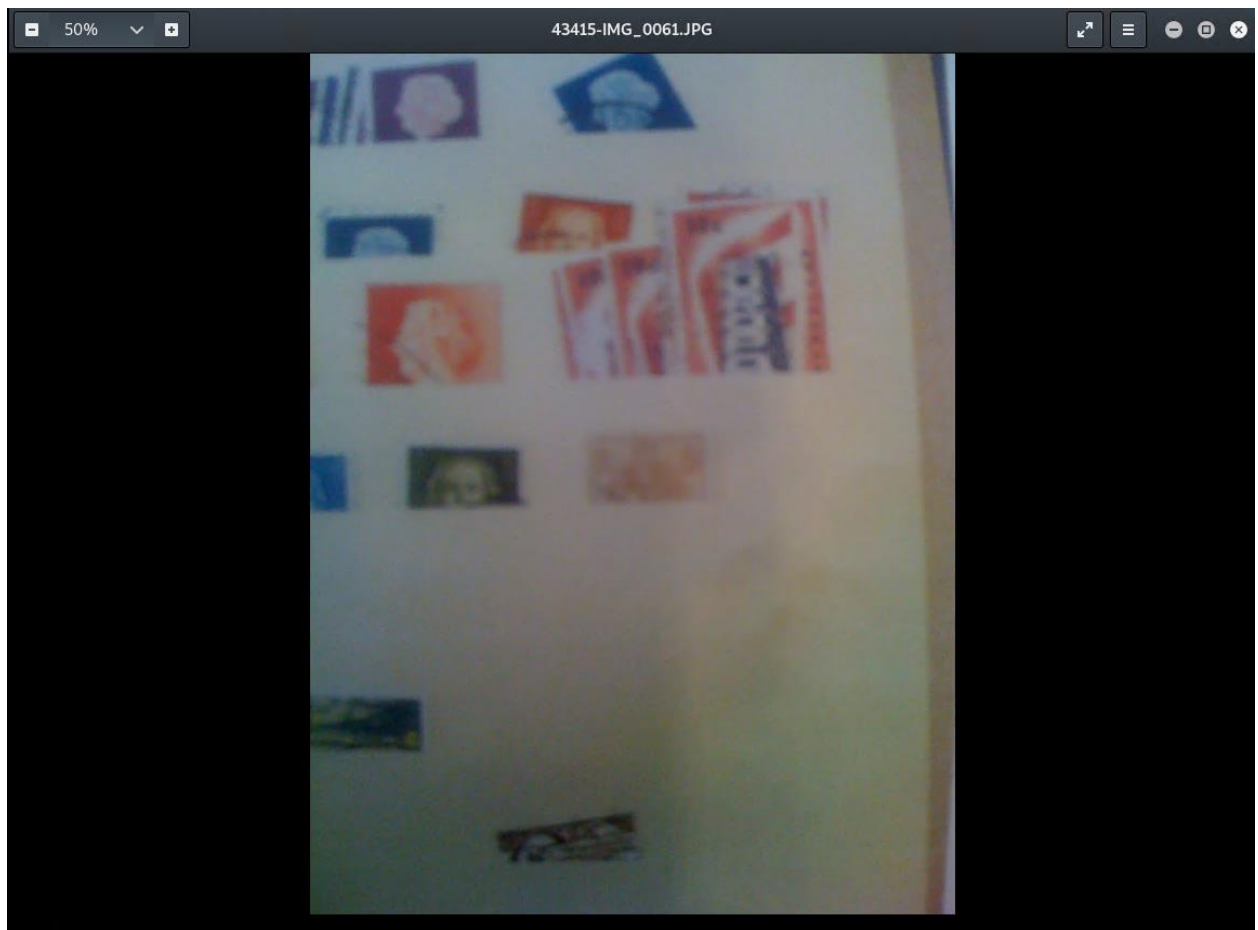


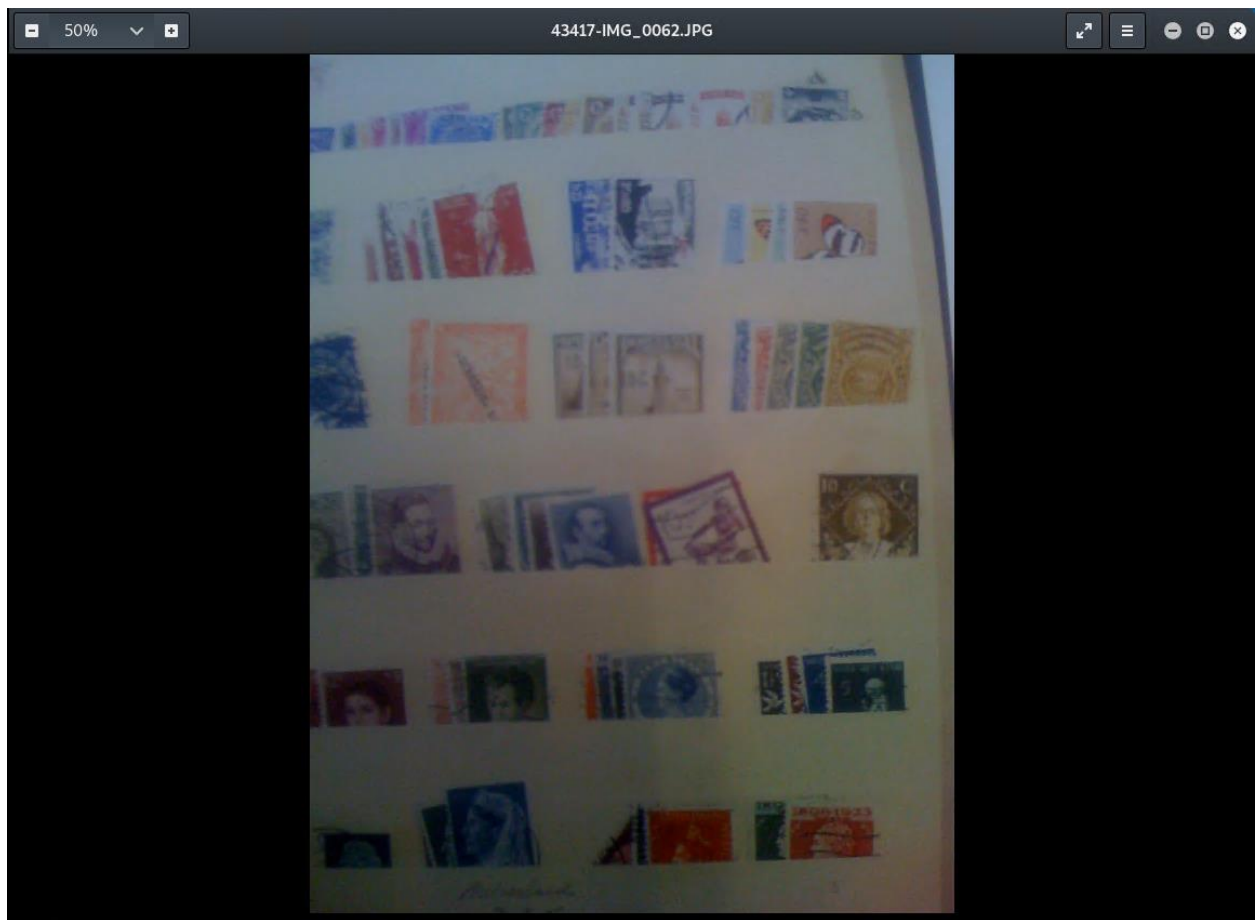




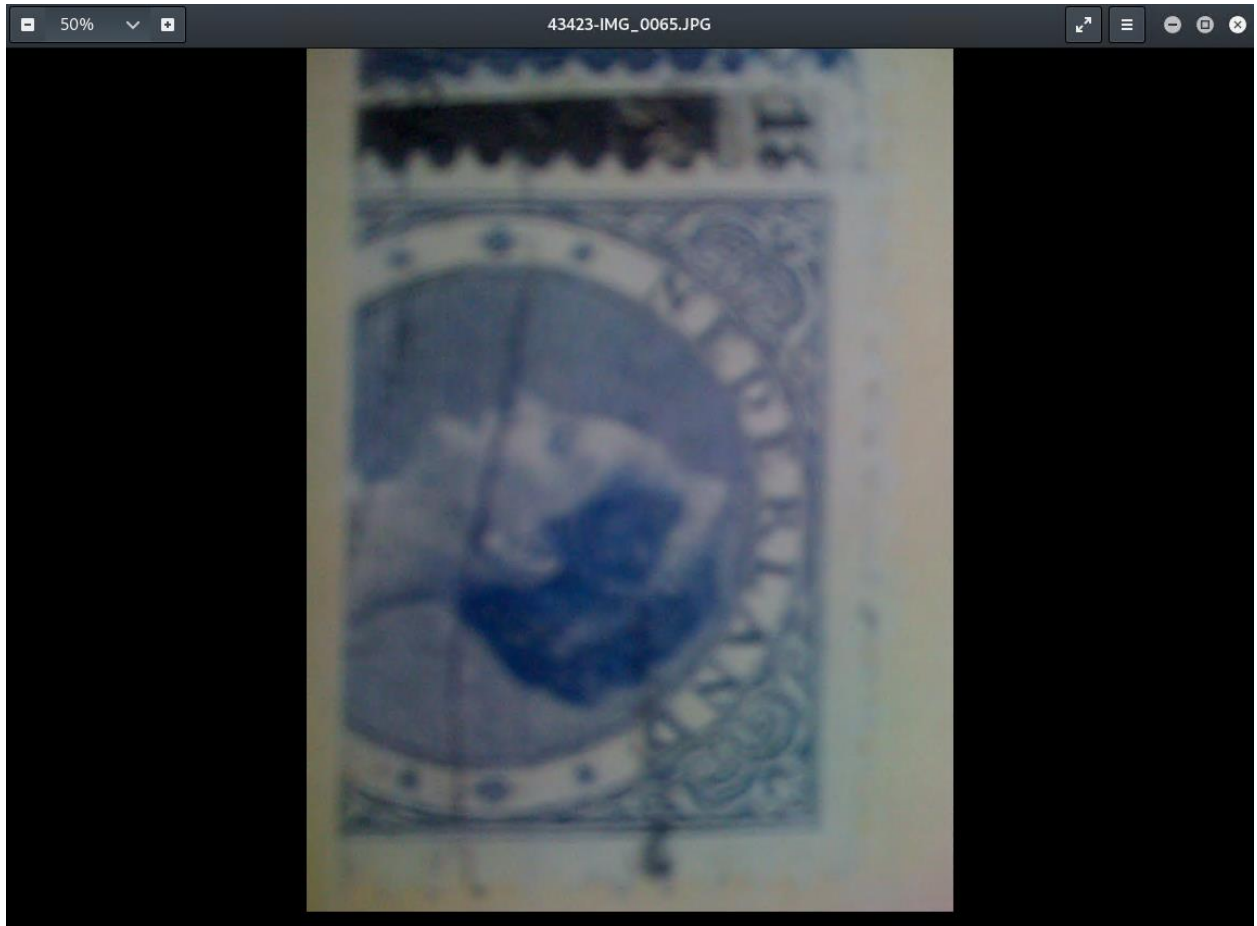














## Appendix D: WiFi and GPS Location Information