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NATIONAL RECONNAISSANCE OFFICE

14675 Lee Road  
Chantilly, VA 20151-1715

31 October 2016

Mr. John Greenewald  
[REDACTED]

John@greenewald.com

REF: FOIA Case F-2017-00007

Dear Mr. Greenewald:

This is in response to your request dated 20 October 2016 and received in the National Reconnaissance Office (NRO) on 25 October 2016. Pursuant to the Freedom of Information Act (FOIA), you requested "A copy of the Mandatory Declassification Review (MDR) case log for your agency, for calendar years 2013, 2014, and 2015."

Your request has been processed in accordance with the FOIA, 5 U.S.C. § 552, as amended. A thorough search of our files and databases located one document from which we have extracted 3 pages responsive to your request. The extracted pages are being released to you in full.

If you have any questions, please call the Requester Service Center at (703) 227-9326 and reference case number **F-2017-00007**.

Sincerely,

Patricia B. Camerisi  
FOIA Public Liaison

Enclosure: MDR Log from 2013-2015 (3 pages)

Case Number	Status	Case Type	SubType	Track	Date Of	Requestor	Date Closed
E-16-5	Closed	Mandatory Declassification	Initial	MDR	11/4/2015	RAVNITZKY, Michael	11/13/2015
E-16-6	Closed	Mandatory Declassification	Initial	MDR	11/4/2015	Ravnitzky, Michael	1/7/2016
E-16-7	Open	Mandatory Declassification	Initial	MDR	11/4/2015	Ravnitzky, Michael	
E-16-3	Open	Mandatory Declassification	Initial	MDR	10/14/2015	David, James	
E-15-40	Open	Mandatory Declassification	Initial	MDR	9/29/2015	David, James	

RUFFER History, prepared by NSA, R321 Program Office, 30 September 1990, NSA 86594-90  
 The full report (name unknown) which was mentioned at the bottom of page xiv of the history The SIGINT Satellite Story, recently released and made public by the NRO.  
 NSA in Space, April 1975, BYT-19385-75  
 Sharing Space - The Secret interaction Between the National Aeronautics and Space Administration and the National Reconnaissance Office  
 1. Chapter 4 and the endnotes thereto  
 2. The Shuttle section of chapter 5 and the endnotes thereto  
 3. Chapter 7 and the endnotes thereto  
 4. Chapters 9, 10, 11 and the endnotes thereto  
 5. The Shuttle sections of chapter 12 and the endnotes thereto  
 6. The portions of the Chronology of NASA-NRO Interaction, 1961-1995  
 7. Appendix 12  
 8. Appendices 17-29

The History of KH-11 program containing:

1. A top view photograph of the original, assembled KH-11
2. A side view photograph of the original, assembled KH-11
3. A top view photograph of each subsequent version of the KH-11 in an assembled state
4. A side view photograph of each subsequent version of a KH-11 in an assembled state
5. A document with a schematic drawing of the complete original KH-11 spacecraft with call outs of the major components
6. A schematic drawing of the of the complete spacecraft of each subsequent version of the KH-11 with call outs of the major components
7. A schematic drawing of the image-forming sensor of the original KH-11 with call outs of the major components
8. A schematic drawing of the image-forming sensor of each subsequent version of the KH-11 with call outs of the major components
9. An NPIC publication on the image-forming sensor of each subsequent version of the KH-11
10. An NPIC publication on the image-forming sensor of each subsequent version of the KH-11
11. The sections from a history (draft or final, government or contractor) concerning the image-forming sensor of the original KH-11 and each subsequent version
12. A document listing the major contractors for the original KH-11 and each subsequent version.
13. A document listing all the launches of the KH-11.

## Records on KH-11:

E-15-37	Closed	Mandatory Declassification	Initial	MDR	8/25/2015	<p>1. Several high-quality photographs of an assembled satellite (for example, a side view and a top view similar to the images of the HEXAGON in a test facility which are set forth in "The HEXAGON Story") - If the size or configuration of the satellite changed significantly over time I would like several photographs of each version.</p> <p>2. A high-quality line drawing or schematic drawing of the complete satellite with descriptions of the major components - If the major components or configuration of the satellite changed significantly over time I would like a high-quality line drawing or schematic of each version.</p> <p>3. A document or documents on the image-forming sensors(s) (for example, something similar to the NRO data book on the GAMBIT 3 camera or the NPIC technical publication on the GAMBIT 1 camera, both of which are in "Critical to US Security...") - If no such document exists, I would like a document or documents setting forth information similar to that contained in the "Numerical Summary of GAMBIT 1 Payload" or "Numerical Summary of GAMBIT 3 Payload", both of which are in "The GAMBIT Story." I would like any documents to describe both any light-sensing diodes and CCDs used and the numbers, types, and sizes of the mirrors.</p> <p>4. A document or documents setting forth the dimensions and weight of the satellite. If these changed significantly over time I would like documents with this information for each version.</p> <p>5. A document or documents listing the major contractors for the satellite.</p> <p>6. A document or documents setting forth all or most of the following information: the mission number, launch date, photographic days (operational lifetime), best resolution, and brief remarks for each mission (for example, something similar to the GAMBIT 1 and GAMBIT 3 "Flight Summaries" in "The GAMBIT Story."</p>	David, James	8/26/2015
E-15-36	Open	Mandatory Declassification	Initial	MDR	8/4/2015	<p>Portions of "Sharing Space - The Secret Interaction Between the National Aeronautics and Space Administration and the National Reconnaissance Office" concerning the Hubble Space Telescope:</p> <p>1. The Hubble section of chapter 5 and the endnotes thereto</p> <p>2. Any relevant parts of chapter 8 and the endnotes thereto</p> <p>3. The Hubble section of chapter 12 and the endnotes thereto</p> <p>4. The relevant parts of the Chronology of NASA-NRO Interaction, 1961-1995, and the endnotes thereto</p> <p>5. Appendix 9</p> <p>6. Appendix 13</p> <p>7. Any other relevant parts of the work and the endnotes thereto which are not listed above.</p>	David, James	
E-15-35	Closed	Mandatory Declassification	Initial	MDR	7/16/2015	<p>Subsequent email clarifies that the requestor is seeing the only the endnotes, not the documents cited in the endnotes.</p> <p>MDR request for the "Title page and table of contents of the recently completed history of NRO-NASA relations."</p>	David, James	7/31/2015
E-15-34	Closed	Mandatory Declassification	Initial	MDR	7/15/2015	<p>"Request for the following records on the Large Space Telescope/Hubble Telescope (LST/HST): "A Security Proposal for the Integration of the OTD Facility at Danbury, CT (BIF 007-0549-74" and any follow-on documents to this."</p>	David, James	7/17/2015
E-15-10	Closed	Mandatory Declassification	Initial	MDR	11/3/2014	<p>Document is listed in note 49 on page 198 of a "History of the Hexagon Program"</p> <p>NRO films - Gambit: Eye of the Eagle</p> <p>Hexagon: Sentinel of Liberty</p>	Pesavento, Peter	11/25/2014
E-15-6	Closed	Mandatory Declassification	Initial	MDR	10/29/2014	<p>Document titled, "Poppy Growth; capabilities vs. funding"</p> <p>6 May 1971</p> <p>BYE-52238/71</p>	Page, JT	11/10/2014
E-15-7	Closed	Mandatory Declassification	Initial	MDR	10/29/2014	<p>As retracted from History of Poppy Sat Sys (BYE 56105-78)</p> <p>off NRO webpage (pg A5-2)</p> <p>DNI Letter Op-922Y8/mk; BYE-10613-63 (Jan 21, 1963); System POPPY; reassignment of responsibilities</p>	Page, JT	11/12/2014
E-15-8	Closed	Mandatory Declassification	Initial	MDR	10/29/2014	<p>Referenced from History of POPPY Sat System (BYE-56105-78)</p> <p>off NRO webpage (pg A5-2)</p> <p>"NAVY Satellite Program C"</p> <p>BYE-51900/69 (2 Dec 1966)</p> <p>As referenced from History of POPPY Sat System</p> <p>(BYE56105-78) off NRO Webpage (pg A5-2)</p>	Page, JT	11/12/2014

E-15-9	Closed	Mandatory Declassification	Initial	MDR	10/29/2014 RRG Ref 161: Memo, DNRO "Declassification of the 'fact of' NRO Radar Sat Reconnaissance" Dated 29 May 2008	Page, JT	11/20/2014
E-14-45	Closed	Mandatory Declassification	Initial	MDR	8/5/2014 "Original draft fully annotated", The Air Force and the National Security Space Program 1946-1986	Klotz, James	8/27/2014
E-14-41	Closed	Mandatory Declassification	Initial		7/16/2014 "all security classified information, print or visual, related to the loss of TWA Flight 800. July 17, 1996, south of Long Island, 12 minutes after leaving JFK Airport."	Sanders, James	7/17/2014
E-14-35	Closed	Mandatory Declassification	Initial	MDR	4/8/2014 MDR request for select pages from the document titled "Preliminary Engineering Description of the Survey Camera for the Apollo Mapping and Survey System. We had sent Mr. Horzempa a small part Horzempa, Philip of the document in 2012. We have the entire document "374 pages" already declassified for the UPWARD SDR, so it was decided to send him the entire document.		4/10/2014
E-14-34	Closed	Mandatory Declassification	Initial	MDR	4/7/2014 MDR request for the Building of HEXAGON	Waltrop, David	6/13/2014
E-14-15	Closed	Mandatory Declassification	Initial	MDR	3/6/2014 Waltrop Request	Waltrop, David	2/24/2015
E-13-35	Closed	Mandatory Declassification	Initial	MDR	9/13/2013 "Last Catch" document for article that's been approved by Prepublication Review	Waltrop, David	11/13/2013
E-13-33	Closed	Mandatory Declassification	Initial	MDR	9/4/2013 List used for Congressional briefing, cites KH-4 and KH-7, dated 10/19/1964	Greenwell, Regina	7/7/2014
E-13-32	Closed	Mandatory Declassification	Initial	MDR	8/29/2013 12 documents on the subject of Space Transportation System (STS)	Mitchell, Vance	4/24/2015
E-13-11	Closed	Mandatory Declassification			2/13/2013 Unclassified portions of the IRRG Codeword List. (29 pages/excel)	Wilson, James	2/26/2013