



## Flight Log Report

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**USGS CONTRACT:** G16PC00029  
**CONTRACTOR:** Merrick-Surdex JV  
**TASK ORDER NUMBER:** G17PD00237  
**TASK NAME:** MO\_Saint\_Louis Lidar Project

**GOVERNMENT POINT-OF-CONTACT (POC):**  
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**TOTAL AWARD:** \$147,656.59 (Fixed Price)

**CONTRACTOR PROJECT MANAGER:**  
**PM Name:** Doug Jacoby  
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**CONTRACTOR JOB NUMBER:** 2700110

## **Project Overview**

The St. Louis District of the United States Army Corps of Engineers (USACE) contracted with Surdex Corporation in the winter of 2017 to collect high resolution Lidar elevation data over St. Louis City and St. Louis County as part of the MO Saint Louis Lidar Project. The project combines the varied interests of the USGS, the St. Louis Metropolitan Sewer District and some small City Governments totaling over 626 square miles of coverage.

### **Delivery Area**

This report contains the Flight Logs for the project.

**Date:** 02/17/2017  
**Aircraft:** N72582  
**Pilot:** 1901 - Ron Hoffmann  
**Photographer:** 1240 - Matt Freeman  
**Lift:** 2

**Camera #:** Galaxy-5060382  
**Drive #:**  
**GPS Base 1:**  
**GPS Base 2:**  
**Hobbs start/stop:**

**Barametric Pressure:** 2973  
**Altitude (AGL):** 0  
**Ground Elevation (low):** 0  
**MPIA:**

Mission Data						Exposure Count		GMT Time		Comments	TURB	Reflight	
Job #	Area	Dir	Line #	Start	End	From	To	Start	Stop			Refly	Check
2700110	MSD_2	N	69					21:45:09	21:57:16				
2700110	MSD_2	S	70					22:01:01	22:15:30				
2700110	MSD_2	N	71					22:18:43	22:30:54				
2700110	MSD_2	S	72					22:35:08	22:49:44				
2700110	MSD_2	N	73					22:53:09	23:06:33				

Notes:



**Engine Start/Stop:** 21:08:00 - 23:24:00

**Airport Start/Stop:** SUS - SUS

**Nearest City:** Arnold, Missouri [2.15 nm]

**Distance:** 246.61 KM

Reflight: Check "refly" if you know exposures need to be reflowed or Check "check" if you are unsure.

Surdex Fax # 1-866-383-2896 - [www.surdex.com/sdxweb/flight.htm](http://www.surdex.com/sdxweb/flight.htm)

**Date:** 02/19/2017  
**Aircraft:** N72582  
**Pilot:** 1101 - Adam Bos  
**Photographer:** 1239 - David Schubert  
**Lift:** 2

**Camera #:** Galaxy-5060382  
**Drive #:**  
**GPS Base 1:**  
**GPS Base 2:**  
**Hobbs start/stop:**

**Barametric Pressure:** 3002  
**Altitude (AGL):** 0  
**Ground Elevation (low):** 0  
**MPIA:**

Mission Data						Exposure Count		GMT Time		Comments	TURB	Reflight	
Job #	Area	Dir	Line #	Start	End	From	To	Start	Stop			Refly	Check
2700110	MSD_2	S	47					20:35:39	20:37:53	[20:33:38] 2700110 [20:33:57] MSD-2			
2700110	MSD_2	N	48					20:39:54	20:45:45				
2700110	MSD_2	S	49					20:47:46	20:54:56				
2700110	MSD_2	N	50					20:58:19	21:06:12				
2700110	MSD_2	S	51					21:08:41	21:18:20				
2700110	MSD_2	N	52					21:21:03	21:30:31				
2700110	MSD_2	S	53					21:33:10	21:44:31				
2700110	MSD_2	N	54					21:46:36	21:56:31				
2700110	MSD_2	S	55					21:59:00	22:10:06				
2700110	MSD_2	N	56					22:12:25	22:22:03				
2700110	MSD_2	S	57					22:24:24	22:35:39				
2700110	MSD_2	N	58					22:38:06	22:47:44				
2700110	MSD_2	S	59					22:50:38	23:01:28				
2700110	MSD_2	N	60					23:03:38	23:12:06				
2700110	MSD_2	S	61					23:15:59	23:25:06				
2700110	MSD_2	N	62					23:27:30	23:35:43				
2700110	MSD_2	S	63					23:38:45	23:48:25				
2700110	MSD_2	N	64					23:50:41	23:59:21				
2700110	MSD_2	S	65					00:01:57	00:12:27				

Notes:



**Engine Start/Stop:** 20:06:00 - 00:27:00

**Airport Start/Stop:** SUS - SUS

**Nearest City:** Chesterfield, Missouri [5.96 nm]

**Distance:** 382.77 KM

Reflight: Check "refly" if you know exposures need to be reflown or Check "check" if you are unsure.

Surdex Fax # 1-866-383-2896 - [www.surdex.com/sdxweb/flight.htm](http://www.surdex.com/sdxweb/flight.htm)

**Date:** 02/20/2017  
**Aircraft:** N7268P  
**Pilot:** 1126 - George Duke  
**Photographer:** 1221 - Matt Stolte  
**Lift:** 2

**Camera #:** Galazy-314  
**Drive #:**  
**GPS Base 1:**  
**GPS Base 2:**  
**Hobbs start/stop:**

**Barametric Pressure:** 3000  
**Altitude (AGL):** 0  
**Ground Elevation (low):** 0  
**MPIA:**

Mission Data						Exposure Count		GMT Time		Comments	TURB	Reflight	
Job #	Area	Dir	Line #	Start	End	From	To	Start	Stop			Refly	Check
2700110	MSD_2	N	93					17:32:19	17:34:47	[17:02:40] 7268p-2017-02-20 [17:06:59] 2700110 MSD-2 [17:07:14] 582 2-20			
2700110	MSD_2	S	92					17:38:28	17:42:56				
2700110	MSD_2	N	91					17:46:39	17:49:46				
2700110	MSD_2	S	90					17:54:09	17:59:37				
2700110	MSD_2	N	89					18:04:23	18:08:21				
2700110	MSD_2	S	88					18:12:40	18:23:29				
2700110	MSD_2	N	87					18:27:26	18:35:20				
2700110	MSD_2	S	86					18:38:55	18:51:49				
2700110	MSD_2	N	85					18:54:58	19:03:57				
2700110	MSD_2	S	84					19:06:49	19:20:17	[19:25:15] lots of small clouds forming below plane in survey area			

Notes:



**Engine Start/Stop:** 16:52:00 - 19:35:00

**Airport Start/Stop:** SUS - SUS

**Nearest City:** Granite City, Illinois [4.52 nm]

**Distance:** 449.69 KM

Reflight: Check "refly" if you know exposures need to be reflight or Check "check" if you are unsure.

Surdex Fax # 1-866-383-2896 - [www.surdex.com/sdxweb/flight.htm](http://www.surdex.com/sdxweb/flight.htm)

**Date:** 02/20/2017  
**Aircraft:** N72582  
**Pilot:** 1101 - Adam Bos  
**Photographer:** 1239 - David Schubert  
**Lift:** 2

**Camera #:** Galaxy-5060382  
**Drive #:**  
**GPS Base 1:**  
**GPS Base 2:**  
**Hobbs start/stop:**

**Barametric Pressure:** 0  
**Altitude (AGL):** 0  
**Ground Elevation (low):** 0  
**MPIA:**

Mission Data						Exposure Count		GMT Time		Comments	TURB	Reflight	
Job #	Area	Dir	Line #	Start	End	From	To	Start	Stop			Refly	Check
2700110	MSD_2	N	80					17:30:29	17:42:46				
2700110	MSD_2	S	79					17:46:13	18:04:51				
2700110	MSD_2	N	78					18:07:01	18:20:40				
2700110	MSD_2	S	77					18:24:24	18:44:21				
2700110	MSD_2	N	76					18:46:28	18:48:04				
2700110	MSD_2	N	75					18:55:00	19:09:57				
2700110	MSD_2	S	74					19:14:55	19:34:50				

Notes:



JOINT VENTURE

**Engine Start/Stop:** 16:49:00 - 18:51:00

**Airport Start/Stop:** SUS -

**Nearest City:** Oakville, Missouri [4.74 nm]

**Distance:** 245.89 KM

Reflight: Check "refly" if you know exposures need to be reflown or Check "check" if you are unsure.

Surdex Fax # 1-866-383-2896 - [www.surdex.com/sdxweb/flight.htm](http://www.surdex.com/sdxweb/flight.htm)

**Date:** 02/27/2017  
**Aircraft:** N7268P  
**Pilot:** 0 - Unknown  
**Photographer:** 0 - Unknown  
**Lift:** 2

**Camera #:** Galazy-314  
**Drive #:**  
**GPS Base 1:**  
**GPS Base 2:**  
**Hobbs start/stop:**

**Barametric Pressure:** 0  
**Altitude (AGL):** 0  
**Ground Elevation (low):** 0  
**MPIA:**

Mission Data						Exposure Count		GMT Time		Comments	TURB	Reflight	
Job #	Area	Dir	Line #	Start	End	From	To	Start	Stop			Refly	Check
2700110	MSD_2	S	66					16:53:40	17:04:34	[16:37:36] 68p 27-17 MSD-2			
2700110	MSD_2	N	67					17:08:22	17:19:03				
2700110	MSD_2	S	68					17:23:05	17:35:27				
2700110	MSD_2	N	76					17:41:10	17:55:45				
2700110	MSD_2	S	81					17:58:46	18:12:14				
2700110	MSD_2	N	82					18:15:42	18:26:29				

Notes:



**Engine Start/Stop:** 16:15:00 - 18:37:00

**Airport Start/Stop:** SUS - CPS

**Nearest City:** Saint Charles, Missouri [3.73 nm]

**Distance:** 484.50 KM

Reflight: Check "refly" if you know exposures need to be reflight or Check "check" if you are unsure.

Surdex Fax # 1-866-383-2896 - [www.surdex.com/sdxweb/flight.htm](http://www.surdex.com/sdxweb/flight.htm)

**Date:** 02/27/2017  
**Aircraft:** N7268P  
**Pilot:** 1101 - Adam Bos  
**Photographer:** 1239 - David Schubert  
**Lift:** 3

**Camera #:** Galazy-314  
**Drive #:**  
**GPS Base 1:**  
**GPS Base 2:**  
**Hobbs start/stop:**

**Barametric Pressure:** 3013  
**Altitude (AGL):** 0  
**Ground Elevation (low):** 0  
**MPIA:**

Mission Data						Exposure Count		GMT Time		Comments	TURB	Reflight	
Job #	Area	Dir	Line #	Start	End	From	To	Start	Stop			Refly	Check
2700110	Tie2	E	95					19:04:24	19:16:04				
2700110	Tie1	W	94					19:24:08	19:39:18				

Notes:



**Engine Start/Stop:** 19:03:00 - 19:47:00      **Airport Start/Stop:** SUS - SUS      **Nearest City:** Chesterfield, Missouri [6.20 nm]      **Distance:** 161.50 KM  
 Reflight: Check "refly" if you know exposures need to be reflowed or Check "check" if you are unsure.      Surdex Fax # 1-866-383-2896 - [www.surdex.com/sdxweb/flight.htm](http://www.surdex.com/sdxweb/flight.htm)