

Cumberland County FY 2014 Subregional Transportation Plan

Task III

Sign Retroreflectivity Measurements

Submission to SJTPO

June 30, 2014

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Cumberland County 2014 Subregional Transportation Plan

Task III

Sign Retroreflectivity Measurements

Summary

Field work for sign retro-reflectivity measurements was conducted by three staff of the Cumberland County Department of Public Works Road Maintenance Division supervised by the Assistant County Engineer. Approximately 657 staff hours were devoted in the field to taking measurements. Measurements were taken and recorded with a portable retroreflectometer on loan from the South Jersey Transportation Planning Organization (SJTPO).

A total of 2,841 signs were measured along 190 miles of County roads, and the readings are printed out on 102 pages of spreadsheets.

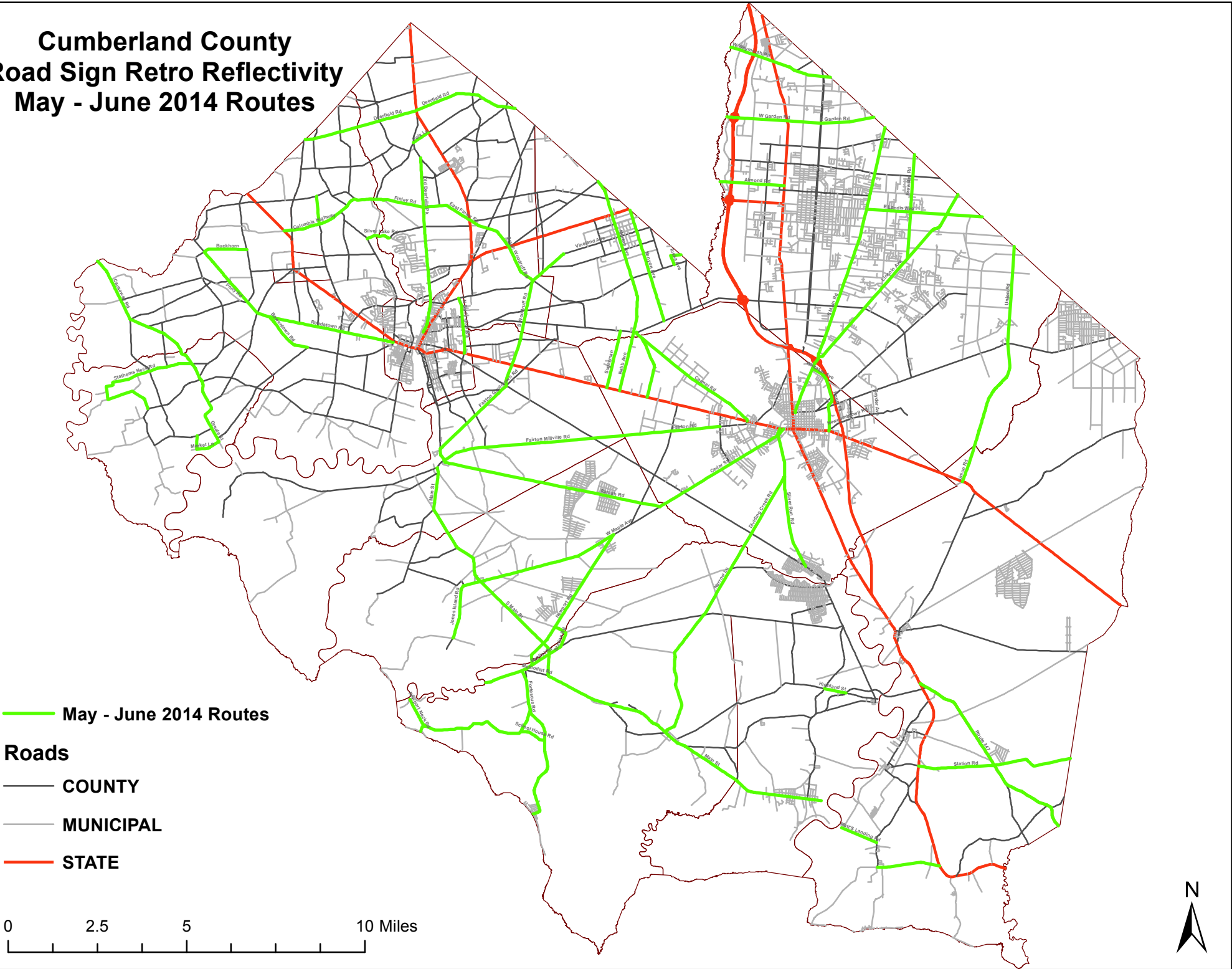
Data records consist of

- Measurement Number (per day)
- 0.2 Alpha Legend (white text)
- 0.5 Alpha Legend (white text)
- 0.2 Alpha Background (sign background)
- 0.5 Alpha Background (sign background)
- Date/Time
- Latitude
- Longitude
- Position Accuracy
- Sign Barcode
- County Road Route Number

During the course of the field measurements, stop signs that did not meet retroreflectivity standards were replaced on the spot. Cumberland County maintains approximately 14,000 road signs along 500 miles of County roads; approximately 11,000 signs remain to be measured along 310 miles of County roads.

US Department of Transportation Federal Highway Administration document FHWA-SA-07-020 and the Manual of Uniform Traffic Control Devices (MUTCD) Section 2A.08 were used for reference.

**Cumberland County
Road Sign Retro Reflectivity
May - June 2014 Routes**





Maintaining Traffic Sign Retroreflectivity

*updated in 2013 to reflect current MUTCD compliance dates

FHWA-SA-07-020 (Revised 2013)

This document is referenced in Section 2A.08 of the Manual on Uniform Traffic Control Devices (MUTCD). Please be sure to review the methods discussed on pages two and three, along with the related procedures that make each method reliable and meaningful in its use to maintain signs above the minimum retroreflectivity levels. A full report on these methods can be found at www.fhwa.dot.gov/retro.

SCHEDULE

Method:

Agencies have until **June 14, 2014** to implement and continue to use an assessment or management method that is designed to maintain regulatory and warning sign retroreflectivity at or above the minimum levels in Table 2A-3 of the 2009 MUTCD.

Although guide signs are included in the minimum retroreflectivity levels table, there is not a specified compliance date for guide signs (including street name signs) to be addressed by an agency's method. Guide signs are to be added to an agency's management or assessment method as resources allow.

Sign Replacement:

Agencies need to replace any sign they identify as not meeting the established minimum retroreflectivity levels. Agencies' schedules for replacing signs are based on resources and relative priorities rather than specific compliance dates.

Traffic signs provide important information to road users. To be effective, traffic sign visibility must be maintained during daytime and nighttime conditions. In addition to Section 2A.08, the MUTCD addresses sign visibility in several other places, including Sections 1A.03, 1A.04, 1A.05, 2A.06, 2A.07, and 2A.22. These sections address factors such as uniformity, design, placement, operation, and maintenance.

The Standard in Section 2A.08 requires agencies to use a maintenance method that is designed to maintain traffic signs at or above minimum levels of retroreflectivity in Table 2A-3. Including Table 2A-3 in the MUTCD does not imply that an agency must measure the retroreflectivity of every sign. Rather, the MUTCD summarizes five methods that agencies can use to maintain traffic sign retroreflectivity at or above the minimum levels. These methods are listed in Section 2A.08 and are discussed on pages two and three of this document. The Standard promotes safety while providing sufficient flexibility for agencies to choose one or more maintenance methods that best match their specific conditions.

This Standard does NOT imply all signs need to be replaced. The intent is to identify and replace signs that no longer meet the needs of nighttime drivers.

The MUTCD language recognizes that there may be some individual signs that do not meet the minimum retroreflectivity levels at a particular point in time. Reasons for this include vandalism, weather, or damage due to a crash. As long as the agency is using one of the methods (with appropriate procedures) to maintain their signs, they are considered to be in compliance with this Standard.

The methods recommended in the MUTCD are broken into two categories: management methods and assessment methods. Assessment methods involve sending personnel out to examine and assess the retroreflective performance of signs. Some agencies may find this approach to be more labor intensive and turn to management methods as an alternative. Management methods may require less field work (or none at all in some cases) but may also result in replacing some signs that still have useful life left in terms of retroreflectivity. These recommended methods are discussed on pages two and three of this document and are described in detail in a full report entitled "Methods for Maintaining Traffic Sign Retroreflectivity," available at www.fhwa.dot.gov/retro.

ASSESSMENT METHODS

Assessment methods involve evaluating individual signs within an agency's jurisdiction. There are two basic assessment methods identified in the 2009 MUTCD: visual nighttime inspection and measured sign retroreflectivity.

1. VISUAL NIGHTTIME INSPECTION METHOD

In the visual nighttime inspection method, on-the-☐y assessments of retroreflectivity are made by an inspector during nighttime conditions. The following are keys to successfully implementing the visual nighttime inspection method:

- A. Develop guidelines and procedures for inspectors to use in conducting the nighttime inspections and train inspectors in the use of these procedures.
- B. Conduct inspections at normal speed from the travel lane(s).
- C. Conduct inspections using low-beam headlights while minimizing interior vehicle lighting.
- D. Evaluate signs at typical viewing distances so that adequate time is available for an appropriate driving response.

One or more of the following procedures should be used to properly implement this method:

Calibration Signs Procedure (for Visual Nighttime Inspection Method)

Calibration signs have known retroreflectivity levels at or above minimum levels. These calibration signs are set up so the inspector views the calibration signs in a manner similar to nighttime ☐eld inspections. A trained inspector views calibration signs prior to conducting the nighttime inspection described in 1 A-D above. The inspector uses the visual appearance of the calibration signs to establish the evaluation threshold for that night's inspection.

During the nighttime drive-through inspection of in-service signs, if the inspector believes a sign appears to be less bright than the calibration signs viewed earlier, the in-service sign should be replaced. The following factors provide additional information on the use of this procedure:

- ☐ Calibration signs are needed for each color of sign in Table 2A-3 of the 2009 MUTCD.
- ☐ Calibration signs are viewed at typical viewing distances using the inspection vehicle.
- ☐ Calibration signs need to be properly stored between inspections so that their retroreflectivity does not deteriorate over time.

Comparison Panels Procedure (for Visual Nighttime Inspection Method)

Comparison panels are fabricated with retroreflectivity levels at or above the minimum levels. The trained inspector makes an initial nighttime visual inspection described in 1 A-D above to identify signs that are obviously above or below the minimum retroreflectivity values as well as those the inspector considers to be marginal.

Those signs designated as obviously below the minimum retroreflectivity values are scheduled for replacement. For signs considered marginal, a supplementary nighttime inspection is conducted by attaching a comparison panel to the in-service sign. With a ☐ashlight, the inspector views the in-service sign along with the comparison panel to determine whether the in-service sign appears brighter or less bright than the comparison panel. If the in-service sign appears less bright than the comparison panel, the in-service sign should be replaced.

Consistent Parameters Procedure (for Visual Nighttime Inspection Method)

For this procedure, nighttime inspections described in 1 A-D above are conducted by a trained inspector under similar factors that were used in the research to develop the minimum retroreflectivity levels. These traits include:

- ☐ Using an inspector who is at least 60 years old.
- ☐ Using a sport utility vehicle or pick-up truck from which to make the observations.
- ☐ Using a model year 2000 or newer vehicle.

The trained inspector makes a judgment call as to whether an in-service sign meets their nighttime driving needs. Those signs judged not to meet the visual driving needs should be replaced. Note, the three factors listed here are specific to this procedure and are not required for visual nighttime inspections using the calibration signs procedure or the comparison panels procedure.

2. MEASURED SIGN RETROREFLECTIVITY METHOD

In this method the retroreflectivity of a sign is measured with a handheld or mobile retroreflectometer and directly compared to the minimum level appropriate for that sign. ASTM E1709, Standard Test Method for Measurement of Retroreflective Signs Using a Portable Retroreflectometer, provides the standard method for measuring sign retroreflectivity with handheld instruments. If the measured sign retroreflectivity value is less than the appropriate level in Table 2A-3, the sign should be replaced.

MANAGEMENT METHODS

Management methods provide an agency with the ability to maintain sign retroreflectivity without having to physically inspect each individual sign. While it is not required by the MUTCD, some agencies have chosen to determine the sheeting type and age or retroreflectivity levels of existing signs before using a management method. This is done by those agencies to prevent signs currently near or below minimum levels from being left in place several additional years. The 2009 MUTCD identifies three management methods:

1. EXPECTED SIGN LIFE METHOD

In this method, the agency monitors the age of individual signs and replaces them before they are expected to degrade below the minimum levels in Table 2A-3 of the 2009 MUTCD. The retroreflectivity life of a sign may vary by such factors as type of sheeting, geographic location, color, and direction the sign faces. This method depends on knowing the age and type of sheeting used for the signs. Agencies may choose to consider weathering deck results, measurements of field signs, sign sheeting warranties, or other criteria as the basis for the expected sign life. A common approach for identifying the age of individual signs uses a label on the sign to mark the year of fabrication or installation. Agencies can also use sign management systems to track the age of individual signs.

2. BLANKET REPLACEMENT METHOD

In this method, an agency manages signs in groups rather than as individual signs. An agency may choose to group signs by geographic area, roadway corridor, type of sheeting, or sign category (e.g., warning signs). The sign replacement interval is based on the expected sign life for the sign sheeting in the group with the shortest expected life. This method typically obligates an agency to replace all of the designated signs within a group, even if a sign was recently replaced due to issues such as vandalism or damage.

3. CONTROL SIGNS METHOD

In this method, agencies monitor the performance of a control sample of signs that represent a larger group of signs. Agencies track the retroreflectivity of the control signs to determine when replacement of the larger group is necessary based on the performance of the control signs.

- t Agencies should develop a sampling plan to determine the appropriate number and type of control signs needed to represent the larger group of signs. Samples should represent the entire group, including such factors as sign sheeting type and color.
- t Control signs may be actual signs in the field or signs in a maintenance yard (for convenience).
- t Agencies should monitor the retroreflectivity of the control signs using an assessment method.

OTHER METHODS

Other assessment or management methods that are developed based on engineering studies can be used as long as they are designed to maintain minimum levels in Table 2A-3 of the 2009 MUTCD, as stated in the MUTCD Standard statement in Section 2A.08.

Excerpt from Part 2 of the 2009 MUTCD

Section 2A.08 Maintaining Minimum Retroreflectivity

Support:

- 01 Retroreflectivity is one of several factors associated with maintaining nighttime sign visibility (see Section 2A.22).

Standard:

- 02 Public agencies or officials having jurisdiction shall use an assessment or management method that is designed to maintain sign retroreflectivity at or above the minimum levels in Table 2A-3.

Support:

- 03 Compliance with the Standard in Paragraph 2 is achieved by having a method in place and using the method to maintain the minimum levels established in Table 2A-3. Provided that an assessment or management method is being used, an agency or official having jurisdiction would be in compliance with the Standard in Paragraph 2 even if there are some individual signs that do not meet the minimum retroreflectivity levels at a particular point in time.

Guidance:

- 04 Except for those signs specifically identified in Paragraph 6, one or more of the following assessment or management methods should be used to maintain sign retroreflectivity:
- A. Visual Nighttime Inspection □ The retroreflectivity of an existing sign is assessed by a trained sign inspector conducting a visual inspection from a moving vehicle during nighttime conditions. Signs that are visually identified by the inspector to have retroreflectivity below the minimum levels should be replaced.
 - B. Measured Sign Retroreflectivity □ Sign retroreflectivity is measured using a retroreflectometer. Signs with retroreflectivity below the minimum levels should be replaced.
 - C. Expected Sign Life □ When signs are installed, the installation date is labeled or recorded so that the age of a sign is known. The age of the sign is compared to the expected sign life. The expected sign life is based on the experience of sign retroreflectivity degradation in a geographic area compared to the minimum levels. Signs older than the expected life should be replaced.

- D. Blanket Replacement □ All signs in an area/corridor, or of a given type, should be replaced at specified intervals. This eliminates the need to assess retroreflectivity or track the life of individual signs. The replacement interval is based on the expected sign life, compared to the minimum levels, for the shortest-life material used on the affected signs.
- E. Control Signs □ Replacement of signs in the field is based on the performance of a sample of control signs. The control signs might be a small sample located in a maintenance yard or a sample of signs in the field. The control signs are monitored to determine the end of retroreflective life for the associated signs. All field signs represented by the control sample should be replaced before the retroreflectivity levels of the control sample reach the minimum levels.
- F. Other Methods □ Other methods developed based on engineering studies can be used.

Support:

- 05 Additional information about these methods is contained in the 2007 Edition of FHWA's Maintaining Traffic Sign Retroreflectivity (see Section 1A.11).

Option:

- 06 Highway agencies may exclude the following signs from the retroreflectivity maintenance guidelines described in this Section:
- A. Parking, Standing, and Stopping signs (R7 and R8 series)
 - B. Walking/Hitchhiking/Crossing signs (R9 series, R10-1 through R10-4b)
 - C. Acknowledgment signs
 - D. All signs with blue or brown backgrounds
 - E. Bikeway signs that are intended for exclusive use by bicyclists or pedestrians

Note: The referenced document is actually this four-page brochure you are reading.

Table 2A-3.
Minimum Maintained
Retroreflectivity
Levels¹

Sign Color	Sheeting Type (ASTM D4956-04)				Additional Criteria
	Beaded Sheeting			Prismatic Sheeting	
	I	II	III	III, IV, VI, VII, VIII, IX, X	
White on Green	W ¹ ; G ≥ 7	W ¹ ; G ≥ 15	W ¹ ; G ≥ 25	W ≥ 250; G ≥ 25	Overhead
	W ¹ ; G ≥ 7	W ≥ 120; G ≥ 15			Post-mounted
Black on Yellow or Black on Orange	Y ¹ ; O ¹	Y ≥ 50; O ≥ 50			*
	Y ¹ ; O ¹	Y ≥ 75; O ≥ 75			*
White on Red	W ≥ 35; R ≥ 7				†
Black on White	W ≥ 50				—

¹ The minimum maintained retroreflectivity levels shown in this table are in units of cd/m² measured at an observation angle of 0.2° and an entrance angle of -4.0°.

² For text and fine symbol signs measuring at least 48 inches and for all sizes of bold symbol signs.

³ For text and fine symbol signs measuring less than 48 inches.

⁴ Minimum sign contrast ratio ≥ 3:1 (white retroreflectivity ÷ red retroreflectivity)

⁵ This sheeting type shall not be used for this color for this application.

2009 MUTCD Section Number(s)	2009 MUTCD Section Title	Specific Provision	Compliance Date
2A.08	Maintaining Minimum Retroreflectivity	Implementation and continued use of an assessment or management method that is designed to maintain regulatory and warning sign retroreflectivity at or above the established minimum levels (see Paragraph 2)	June 14, 2014 (date established in Revision 2 to 2009 MUTCD)*

* Types of signs other than regulatory or warning are to be added to an agency's management or assessment method as resources allow.

FY 2014 Cumberland County Subregional Transportation Plan Task III

Sign Reflectivity Measurements

May – June 2014

Msrmt Number	0.2 Alpha Legend	0.5 Alpha Legend	0.2 Alpha Bkgrnd	0.5 Alpha Bkgrnd	Date/Time	Latitude	Longitude	Position Accuracy (m)	Barcode	Standard Comments	User Comment	Route
1			44.6	16.3	06/21/2014 07:41:09	39 17'23.47N	74 57'50.29W	16	w42-7			347
2			59.2	23.8	06/21/2014 07:42:12	0 00' 0.00	0 00' 0.00	99	W1-2 L			347
3			531	232	06/21/2014 07:43:15	0 00' 0.00	0 00' 0.00	99	W8-5			347
4			470	237	06/21/2014 07:43:38	0 00' 0.00	0 00' 0.00	99	w8-5p			347
5			576	231	06/21/2014 07:43:54	0 00' 0.00	0 00' 0.00	99	W1-2 R			347
6			62.4	31.8	06/21/2014 07:44:02	0 00' 0.00	0 00' 0.00	99	W13-1P			347
7			420	190	06/21/2014 07:45:18	0 00' 0.00	0 00' 0.00	99	W1-2 L			347
8			3.5	2	06/21/2014 07:45:27	0 00' 0.00	0 00' 0.00	99	W13-1P			347
9	230	82.1	25.2	10.4	06/21/2014 07:46:51	0 00' 0.00	0 00' 0.00	99	R1-1			347
10			11.6	5.6	06/21/2014 07:49:42	0 00' 0.00	0 00' 0.00	99	W2-2			347
11	222	145	76.5	50.2	06/21/2014 07:50:51	0 00' 0.00	0 00' 0.00	99	R1-1			347
12	320	208	88.2	60.3	06/21/2014 07:52:19	0 00' 0.00	0 00' 0.00	99	R1-1			347
13	337	229	118	76.6	06/21/2014 07:52:48	0 00' 0.00	0 00' 0.00	99	R1-1			347
14			8.7	4.5	06/21/2014 07:54:31	0 00' 0.00	0 00' 0.00	99	R2-1			347
15			67	32.6	06/21/2014 07:55:35	0 00' 0.00	0 00' 0.00	99	w8-18			347
16			29.5	11.5	06/21/2014 07:57:22	0 00' 0.00	0 00' 0.00	99	W2-2			347
17	568	211	67.2	34.1	06/21/2014 07:58:53	0 00' 0.00	0 00' 0.00	99	R1-1			347
18			272	183	06/21/2014 08:00:15	0 00' 0.00	0 00' 0.00	99	W1-4 R			347
19			63.9	28.9	06/21/2014 08:00:24	0 00' 0.00	0 00' 0.00	99	W13-1P			347
20			73.2	34.5	06/21/2014 08:01:37	0 00' 0.00	0 00' 0.00	99	W1-2 R			347
21			59.6	25.9	06/21/2014 08:01:47	0 00' 0.00	0 00' 0.00	99	W13-1P			347
22			3.4	2	06/21/2014 08:02:51	0 00' 0.00	0 00' 0.00	99	W1-5 R			347
23			62.6	28	06/21/2014 08:02:59	0 00' 0.00	0 00' 0.00	99	W13-1P			347
24			528	299	06/21/2014 08:04:52	39 14'34.99N	74 54'12.01W	9	W1-2 R			347
25			42.9	19.7	06/21/2014 08:05:03	39 14'34.92N	74 54'11.95W	8	W13-1P			347
26	412	249	46	27.7	06/21/2014 08:05:50	39 14'33.94N	74 54'10.33W	7	R1-1			347
27			83.7	34.7	06/21/2014 08:07:13	39 14'30.94N	74 54' 3.45W	10	W1-7			347
28			38.6	16.3	06/21/2014 08:08:12	39 14'24.55N	74 54' 2.60W	9	W1-2 L			347
29			41.9	18.7	06/21/2014 08:08:20	39 14'24.57N	74 54' 2.55W	9	W13-1P			347
30			513	284	06/21/2014 08:08:58	39 14'23.12N	74 54' 2.23W	8	W1-2 L			347
31			43.3	23.3	06/21/2014 08:09:05	39 14'23.03N	74 54' 2.12W	8	W13-1P			347
32			56.9	25	06/21/2014 08:10:07	39 14'15.66N	74 54' 0.10W	10	W1-2 L			347

33			405	198	06/21/2014 08:10:21	39 14'15.55N	74 53'59.88W	8	W13-1P	347
34			38.4	21.4	06/21/2014 08:12:17	39 14' 6.04N	74 53'50.55W	8	W1-2 R	347
35			55.2	24.5	06/21/2014 08:12:26	39 14' 6.10N	74 53'50.59W	7	W13-1P	347
36			488	193	06/21/2014 08:13:29	39 14'15.85N	74 53'59.29W	8	W1-2 R	347
37			55.3	24.1	06/21/2014 08:13:47	39 14'15.78N	74 53'59.38W	8	W13-1P	347
38			528	299	06/21/2014 08:15:00	39 14'22.84N	74 54' 2.09W	16	W1-2 L	347
39			59.2	25.7	06/21/2014 08:15:08	39 14'22.82N	74 54' 2.06W	16	W13-1P	347
40			515	218	06/21/2014 08:16:23	39 14'29.80N	74 54' 2.27W	7	W1-8 L	347
41			51.3	25.8	06/21/2014 08:16:32	39 14'29.83N	74 54' 2.19W	7	W1-8 R	347
42			50	24.2	06/21/2014 08:17:06	39 14'30.10N	74 54' 2.15W	8	W1-8 L	347
43			37.8	20.7	06/21/2014 08:17:35	39 14'30.61N	74 54' 2.45W	8	W1-8 R	347
44			45.8	22.9	06/21/2014 08:18:00	39 14'30.68N	74 54' 2.42W	8	W1-8 R	347
45	450	216	129	63.6	06/21/2014 08:18:36	39 14'31.20N	74 54' 2.56W	8	R1-1	347
46			48	23.5	06/21/2014 08:18:48	39 14'31.13N	74 54' 2.82W	8	W1-7	347
47			19.6	8.8	06/21/2014 08:19:00	39 14'31.16N	74 54' 3.04W	8	W1-8 L	347
48			48.8	24	06/21/2014 08:19:09	39 14'31.19N	74 54' 3.13W	7	W1-8 L	347
49			48.5	24.4	06/21/2014 08:19:23	39 14'31.28N	74 54' 3.25W	6	W1-8 R	347
50			545	215	06/21/2014 08:19:33	39 14'31.30N	74 54' 3.26W	6	W1-8 L	347
51			55.6	27.5	06/21/2014 08:20:06	39 14'31.28N	74 54' 3.76W	6	W1-8 R	347
52			548	243	06/21/2014 08:21:57	39 14'34.37N	74 54'11.38W	10	W1-2 R	347
53			49.6	26.1	06/21/2014 08:22:13	39 14'34.31N	74 54'11.52W	10	W13-1P	347
54			28.2	15.5	06/21/2014 08:23:12	39 14'37.13N	74 54'20.56W	9	W1-5 R	347
55			59	25.8	06/21/2014 08:23:25	39 14'37.19N	74 54'20.52W	9	W13-1P	347
56			41.4	22.4	06/21/2014 08:25:26	39 14'55.91N	74 55' 2.81W	7	W13-1P	347
57			37.2	20.5	06/21/2014 08:25:42	39 14'55.91N	74 55' 2.84W	7	W1-4 R	347
58			332	158	06/21/2014 08:27:10	39 15' 4.37N	74 55'26.38W	8	W1-7	347
59			217	68.6	06/21/2014 08:27:59	39 15' 9.85N	74 55'31.95W	10	R2-1	347
60			0.2	0.1	06/21/2014 08:29:12	39 15'28.33N	74 55'47.27W	6	W2-1	347
61	364	239	110	75.2	06/21/2014 08:32:56	39 15'32.78N	74 55'50.04W	7	R1-1	347
62	379	245	83.8	55.1	06/21/2014 08:34:15	39 15'32.85N	74 55'49.73W	7	R1-1	347
63			76.9	33.7	06/21/2014 08:36:58	39 15'34.55N	74 55'52.22W	9	R2-1	347
64			29.2	15.4	06/21/2014 08:38:42	39 15'36.20N	74 55'53.65W	12	W2-2	347
65			43.3	22	06/21/2014 08:41:10	39 16'44.39N	74 56'50.69W	8	W2-1	347
66			452	210	06/21/2014 08:42:40	39 16'52.32N	74 56'57.25W	8	W8-5	347

67			489	237	06/21/2014 08:44:11	39 17' 3.77N	74 57' 7.23W	9	W1-8 R	347
68			494	202	06/21/2014 08:44:32	39 17' 4.14N	74 57' 7.35W	9	W1-8 R	347
69			499	215	06/21/2014 08:44:48	39 17' 4.39N	74 57' 7.55W	9	W1-8 L	347
70			504	221	06/21/2014 08:44:56	39 17' 4.57N	74 57' 7.65W	9	W1-8 R	347
71			497	212	06/21/2014 08:45:16	39 17' 4.93N	74 57' 7.60W	10	W1-8 L	347
72			580	233	06/21/2014 08:45:29	39 17' 5.06N	74 57' 7.81W	10	W1-8 R	347
73			494	196	06/21/2014 08:45:59	39 17' 5.06N	74 57' 8.37W	10	W1-8 L	347
74			503	200	06/21/2014 08:46:14	39 17' 5.13N	74 57' 8.44W	9	W1-8 R	347
75			465	192	06/21/2014 08:46:35	39 17' 5.27N	74 57' 8.62W	7	W1-8 L	347
76			463	238	06/21/2014 08:46:50	39 17' 5.32N	74 57' 8.61W	7	W1-8 R	347
77			451	183	06/21/2014 08:47:17	39 17' 5.39N	74 57' 9.17W	8	W1-8 L	347
78			558	227	06/21/2014 08:47:29	39 17' 5.39N	74 57' 9.32W	8	W1-8 R	347
79			474	193	06/21/2014 08:47:49	39 17' 5.47N	74 57' 9.58W	8	W1-8 L	347
80			515	232	06/21/2014 08:48:05	39 17' 5.63N	74 57' 9.83W	8	W1-8 R	347
81			462	194	06/21/2014 08:48:25	39 17' 5.80N	74 57' 10.08W	7	W1-8 L	347
82			487	206	06/21/2014 08:48:48	39 17' 5.98N	74 57' 10.45W	7	W1-8 L	347
83			54.2	24.1	06/21/2014 08:50:37	39 17' 7.57N	74 57' 17.23W	7	W1-2 R	347
84			47.5	23.2	06/21/2014 08:50:47	39 17' 7.60N	74 57' 17.21W	7	W13-1P	347
85			8.9	4.7	06/21/2014 08:51:26	39 17' 8.70N	74 57' 19.13W	9	W1-2 R	347
86			54.9	23.5	06/21/2014 08:51:38	39 17' 8.60N	74 57' 19.07W	9	W13-1P	347
87			16.5	8	06/21/2014 08:52:58	39 17' 17.18N	74 57' 36.53W	9	W11-10	347
88			166	64	06/21/2014 08:54:01	39 17' 23.76N	74 57' 52.84W	9	W3-3	347
89	60.8	24.1	20.5	8.3	06/21/2014 09:07:27	39 15' 29.42N	74 57' 59.33W	6	R1-1	550
90			346	155	06/21/2014 09:08:28	39 15' 27.96N	74 57' 49.53W	8	W1-4 L	550
91			300	144	06/21/2014 09:10:11	39 15' 28.70N	74 57' 25.85W	8	W1-4 L	550
92	21.8	10.4	33.7	18.6	06/21/2014 09:23:01	39 15' 33.76N	74 55' 43.92W	9	W3-1	550
93			301	203	06/21/2014 09:29:23	39 15' 35.99N	74 54' 43.12W	8	W1-1 L	550
94			33.7	18	06/21/2014 09:29:41	39 15' 36.08N	74 54' 42.95W	8	W13-1P	550
95			227	95.8	06/21/2014 09:30:40	39 15' 33.23N	74 54' 37.21W	9	W1-8 L	550
96			572	234	06/21/2014 09:30:53	39 15' 32.80N	74 54' 37.21W	8	W1-8 R	550
97			527	246	06/21/2014 09:31:03	39 15' 32.42N	74 54' 37.25W	8	W1-8 L	550
98			520	238	06/21/2014 09:31:17	39 15' 32.21N	74 54' 37.00W	8	W1-8 R	550
99			518	227	06/21/2014 09:31:26	39 15' 32.20N	74 54' 36.94W	6	W1-8 L	550
100			613	241	06/21/2014 09:31:39	39 15' 31.95N	74 54' 36.67W	6	W1-8 R	550

101			570	247	06/21/2014 09:31:49	39 15'31.96N	74 54'36.62W	5	W1-8 L	550
102			453	210	06/21/2014 09:32:05	39 15'31.89N	74 54'36.46W	5	W1-8 R	550
103			154	54.3	06/21/2014 09:33:51	39 15'33.76N	74 54'23.22W	8	R2-1	550
104	28.5	14	11.7	4.4	06/21/2014 09:35:50	39 15'37.55N	74 54' 2.85W	6	R1-1	550
105			183	67.3	06/21/2014 09:38:26	39 15'43.24N	74 53'30.47W	8	R2-1	550
106			299	204	06/21/2014 09:40:33	39 15'32.41N	74 54'29.93W	8	W1-1 R	550
107			42.5	21.1	06/21/2014 09:40:40	39 15'32.41N	74 54'29.91W	8	W13-1P	550
108			481	216	06/21/2014 09:41:14	39 15'32.61N	74 54'30.56W	9	W8-5	550
109			45.4	20.5	06/21/2014 09:42:27	39 15'38.09N	74 54'44.59W	8	W1-1 L	550
110			8	4.6	06/21/2014 09:42:37	39 15'38.09N	74 54'44.60W	7	W13-1P	550
111			559	238	06/21/2014 09:43:23	39 15'41.44N	74 54'49.59W	9	W1-8 L	550
112			577	215	06/21/2014 09:43:41	39 15'41.65N	74 54'50.38W	8	W1-8 L	550
113			553	220	06/21/2014 09:43:52	39 15'41.82N	74 54'50.51W	7	W1-8 R	550
114			569	229	06/21/2014 09:44:06	39 15'41.86N	74 54'50.69W	7	W1-8 L	550
115			571	247	06/21/2014 09:44:19	39 15'41.90N	74 54'50.96W	7	W1-8 R	550
116			570	217	06/21/2014 09:44:31	39 15'41.95N	74 54'51.16W	7	W1-8 L	550
117			554	246	06/21/2014 09:44:50	39 15'41.84N	74 54'51.41W	7	W1-8 R	550
118			573	238	06/21/2014 09:45:10	39 15'42.04N	74 54'52.00W	7	W1-8 R	550
119			75.3	31.6	06/21/2014 10:39:05	39 26' 3.49N	75 13'51.52W	7	r7-2	606
120			12.3	4.6	06/21/2014 10:39:27	39 26' 3.86N	75 13'52.23W	7	r2-1	606
121			16.2	8.9	06/21/2014 10:39:43	39 26' 3.76N	75 13'52.12W	7	r7-2	606
122			25.8	11.6	06/21/2014 10:40:33	39 26' 5.02N	75 13'50.80W	10	r7-2	606
123	578	272	101	52.1	06/21/2014 10:41:20	39 26' 6.89N	75 13'49.52W	7	R5-1	606
124	576	266	101	51.5	06/21/2014 10:41:49	39 26' 6.89N	75 13'49.49W	6	R1-1	606
125			621	331	06/21/2014 10:42:14	39 26' 6.92N	75 13'49.58W	6	r7-2	606
126			63.3	28.5	06/21/2014 10:42:38	39 26' 7.02N	75 13'49.89W	6	r7-25	606
127			658	344	06/21/2014 10:43:23	39 26' 7.85N	75 13'49.43W	6	r7-2	606
128	548	264	92	49.6	06/21/2014 10:43:58	39 26' 8.36N	75 13'50.06W	6	R1-1	606
129			37.5	18.1	06/21/2014 10:44:35	39 26' 8.94N	75 13'49.06W	7	r7-2	606
130	75.4	31.9	12.9	4.8	06/21/2014 10:45:05	39 26' 9.02N	75 13'48.40W	7	R5-1	606
131	485	191	86.4	38.7	06/21/2014 10:45:26	39 26' 9.06N	75 13'48.32W	8	R1-1	606
132	59.6	26.8	9.9	3.9	06/21/2014 10:45:50	39 26' 9.15N	75 13'48.41W	8	R5-1	606
133	349	207	72.1	34.9	06/21/2014 10:46:09	39 26' 9.14N	75 13'48.34W	9	R1-1	606
134			570	269	06/21/2014 10:47:06	39 26'10.15N	75 13'47.53W	8	r7-2	606

135			573	334	06/21/2014 10:48:03	39 26'12.88N	75 13'46.54W	7	R6-1 L	606
136			603	348	06/21/2014 10:48:18	39 26'12.92N	75 13'46.57W	5	R6-1 R	606
137			376	201	06/21/2014 10:48:37	39 26'12.97N	75 13'46.53W	6	r7-2	606
138			29.7	11.4	06/21/2014 10:49:25	39 26'14.28N	75 13'45.31W	6	r7-2	606
139			604	319	06/21/2014 10:50:07	39 26'15.10N	75 13'45.47W	6	r7-2	606
140	369	183	103	50.5	06/21/2014 10:51:04	39 26'16.68N	75 13'45.37W	8	R1-1	606
141	543	259	89.1	47.1	06/21/2014 10:51:45	39 26'16.99N	75 13'44.65W	7	R1-1	606
142			18.6	8.5	06/21/2014 10:52:31	39 26'17.95N	75 13'44.84W	6	r7-2	606
143			567	280	06/21/2014 10:53:20	39 26'19.46N	75 13'44.35W	7	r7-2	606
144			688	361	06/21/2014 10:54:18	39 26'19.81N	75 13'44.83W	7	r7-2	606
145			41.7	19.4	06/21/2014 10:56:14	39 26'22.22N	75 13'43.96W	6	r7-2	606
146			14.6	7.5	06/21/2014 10:57:02	39 26'22.55N	75 13'44.23W	6	r7-2	606
147	66.2	25.8	21.4	7.9	06/21/2014 10:57:57	39 26'23.53N	75 13'44.32W	6	R1-1	606
148			522	252	06/21/2014 10:58:35	39 26'23.91N	75 13'43.78W	6	r7-25	606
149			538	267	06/21/2014 10:58:47	39 26'23.92N	75 13'43.78W	5	r7-2	606
150	71.7	33.6	17.4	8.8	06/21/2014 10:59:28	39 26'23.60N	75 13'43.49W	5	R1-1	606
151			570	267	06/21/2014 11:00:34	39 26'25.22N	75 13'43.43W	6	r7-2	606
152			336	163	06/21/2014 11:01:19	39 26'25.95N	75 13'43.28W	6	R6-1 L	606
153			176	88	06/21/2014 11:01:31	39 26'25.96N	75 13'43.30W	6	R6-1 R	606
154			116	85.8	06/21/2014 11:01:41	39 26'26.16N	75 13'43.36W	6	R2-1	606
155			548	308	06/21/2014 11:01:52	39 26'26.16N	75 13'43.34W	6	r7-2	606
156			37.1	20.8	06/21/2014 11:02:17	39 26'26.53N	75 13'43.66W	6	r7-2	606
157	207	74.6	56.6	21.3	06/21/2014 11:03:31	39 26'27.43N	75 13'42.83W	7	R1-1	606
158			372	179	06/21/2014 11:03:54	39 26'27.49N	75 13'42.88W	6	R6-1 L	606
159			451	197	06/21/2014 11:04:05	39 26'27.50N	75 13'42.89W	6	R6-1 R	606
160			62.6	28.3	06/21/2014 11:04:43	39 26'27.87N	75 13'42.90W	6	r7-25	606
161			521	263	06/21/2014 11:05:05	39 26'28.42N	75 13'42.76W	5	R6-1 L	606
162			475	223	06/21/2014 11:05:14	39 26'28.52N	75 13'42.72W	5	R6-1 R	606
163	73.1	32.4	14.4	5.7	06/21/2014 11:05:28	39 26'28.51N	75 13'42.65W	5	R5-1	606
164	526	249	89.7	51.2	06/21/2014 11:05:50	39 26'28.51N	75 13'42.36W	5	R1-1	606
165	457	228	91.3	47.9	06/21/2014 11:06:37	39 26'28.88N	75 13'42.14W	5	R1-1	606
166	41.8	14.7	13.3	3.4	06/21/2014 11:07:01	39 26'28.85N	75 13'42.27W	5	R5-1	606
167			33	18.9	06/21/2014 11:08:48	39 26'31.06N	75 13'42.38W	6	r7-2	606
168			551	277	06/21/2014 11:09:14	39 26'32.95N	75 13'42.05W	8	r7-2	606

169			1.7	1.3	06/21/2014 11:09:59	39 26'33.48N	75 13'42.15W	5	R8-3	606
170			36.5	16.5	06/21/2014 11:10:55	39 26'34.94N	75 13'41.42W	5	r7-2	606
171			38.7	17.6	06/21/2014 11:11:54	39 26'36.96N	75 13'41.00W	6	r7-2	606
172	55.9	22.1	7	3.3	06/21/2014 11:12:31	39 26'37.34N	75 13'40.60W	7	R1-1	606
173			586	321	06/21/2014 11:13:04	39 26'38.02N	75 13'41.03W	7	r7-2	606
174			404	212	06/21/2014 11:14:08	39 26'40.63N	75 13'40.36W	7	r7-2	606
175			5.1	2.5	06/21/2014 11:14:42	39 26'41.79N	75 13'39.94W	7	w10-1	606
176			36.2	16.4	06/21/2014 11:15:01	39 26'42.20N	75 13'39.80W	7	r7-2	606
177			7.2	3.8	06/21/2014 11:15:38	39 26'43.80N	75 13'40.15W	6	R2-1	606
178	147	127	50	34.3	06/21/2014 11:19:15	39 26'45.17N	75 13'40.61W	4	R1-1	606
179			42.7	22.2	06/21/2014 11:20:55	39 26'47.93N	75 13'39.06W	6	R2-1	606
180	484	260	135	73.7	06/21/2014 11:21:44	39 26'48.52N	75 13'39.53W	5	R1-1	606
181			86.4	39.7	06/21/2014 11:22:51	39 26'50.09N	75 13'39.06W	5	R2-1	606
182			553	211	06/21/2014 11:23:44	39 26'51.31N	75 13'40.03W	5	w10-1	606
183			71.2	29.5	06/21/2014 11:25:08	39 26'54.52N	75 13'39.94W	5	r3-7l	606
184			82.9	38.2	06/21/2014 11:26:55	39 26'56.99N	75 13'40.09W	7	R2-1	606
185			78.8	37.3	06/21/2014 11:27:07	39 26'56.99N	75 13'40.11W	6	R7-19	606
186			67.6	29.3	06/21/2014 11:27:50	39 26'56.75N	75 13'40.52W	4	r3-7r	606
187			96	41.7	06/21/2014 11:29:46	39 27' 0.97N	75 13'40.69W	5	R7-19	606
188			79.5	36.5	06/21/2014 11:30:46	39 26'59.84N	75 13'41.01W	4	R7-19	606
189			56	27.7	06/21/2014 11:31:25	39 27' 0.72N	75 13'41.16W	5	R7-19	606
190			87.8	40.7	06/21/2014 11:31:57	39 27' 1.71N	75 13'41.45W	5	R7-19	606
191			68.4	28.8	06/21/2014 11:33:21	39 27' 4.76N	75 13'41.90W	4	R2-1	606
192			476	278	06/21/2014 11:34:02	39 27' 5.96N	75 13'41.39W	5	W3-3	606
193			491	284	06/21/2014 11:34:58	39 27'10.31N	75 13'42.13W	5	r3-8*	606
194			58.2	24.6	06/21/2014 11:35:25	39 27'10.53N	75 13'42.54W	5	R2-1	606
195			520	302	06/21/2014 11:36:17	39 27'12.18N	75 13'42.32W	5	r3-8*	606
196			91	41.3	06/21/2014 11:37:17	39 27'13.29N	75 13'43.10W	5	R7-19	606
197	43.8	25.5	572	330	06/21/2014 11:38:08	39 27'13.33N	75 13'43.10W	4	r10-11	606
198	46	27.5	524	307	06/21/2014 11:39:13	39 27'12.45N	75 13'43.22W	4	r10-11	606
199			577	238	06/21/2014 11:39:43	39 27'12.31N	75 13'42.95W	4	r9-3a	606
200			82.7	34.3	06/21/2014 11:40:00	39 27'12.29N	75 13'42.94W	3	r9-3bl	606
201			448	244	06/21/2014 11:40:42	39 27'12.29N	75 13'42.94W	4	r9-3a	606
202			418	226	06/21/2014 11:41:06	39 27'12.29N	75 13'42.93W	4	r9-3br	606

203			510	252	06/21/2014 11:42:17	39 27'12.36N	75 13'42.25W	5	r9-3a	606
204			501	258	06/21/2014 11:42:37	39 27'12.34N	75 13'42.25W	5	r9-3br	606
205			561	230	06/21/2014 11:43:03	39 27'12.35N	75 13'42.26W	4	r9-3a	606
206			87.2	41.2	06/21/2014 11:43:29	39 27'12.35N	75 13'42.26W	4	r9-3bl	606
207			498	261	06/21/2014 11:44:35	39 27'14.25N	75 13'42.66W	4	R2-1	606
208			480	282	06/21/2014 11:45:59	39 27'20.96N	75 13'43.89W	8	W3-3	606
209			547	258	06/21/2014 11:46:13	39 27'21.10N	75 13'43.58W	7	R2-1	606
210	489	191	192	79.4	06/21/2014 11:47:33	39 27'23.70N	75 13'43.57W	5	R1-1	606
211	315	230	14.6	9.3	06/21/2014 11:48:19	39 27'26.26N	75 13'43.91W	6	R1-1	606
212			354	220	06/21/2014 11:49:28	39 27'27.94N	75 13'44.41W	6	R2-1	606
213			11.1	5.8	06/21/2014 11:50:47	39 27'30.51N	75 13'44.74W	6	W2-2	606
214			0.5	0.3	06/21/2014 11:51:38	39 27'33.56N	75 13'45.10W	9	W2-2	606
215	408	250	52.3	33.6	06/21/2014 12:00:57	39 27'38.40N	75 13'46.11W	7	R1-1	606
216			40.1	17.5	06/21/2014 12:01:50	39 27'41.02N	75 13'46.06W	10	R2-1	606
217			85.5	39.2	06/21/2014 12:02:07	39 27'41.17N	75 13'46.40W	8	R2-1	606
218			37	14.8	06/21/2014 12:02:53	39 27'42.33N	75 13'46.46W	9	W11-3	606
219			53.4	21.1	06/21/2014 12:03:50	39 27'43.15N	75 13'46.40W	6	W2-2	606
220			30.8	14.2	06/21/2014 12:04:03	39 27'43.14N	75 13'46.20W	6	S3-1	606
221			46.1	23.8	06/21/2014 12:04:55	39 27'45.99N	75 13'47.23W	8	W2-2	606
222	294	128	115	54.1	06/21/2014 12:06:28	39 27'52.36N	75 13'47.41W	6	R1-1	606
223			53.2	23.7	06/21/2014 12:07:09	39 27'53.81N	75 13'47.24W	8	R2-1	606
224	353	196	81.9	43.6	06/21/2014 12:08:16	39 28' 0.71N	75 13'48.18W	7	R1-1	606
225			53.6	23.8	06/21/2014 12:09:16	39 28' 8.24N	75 13'49.18W	8	W2-1	606
226	147	97.8	19.7	13.8	06/21/2014 12:10:59	39 28'14.98N	75 13'51.31W	7	R1-1	606
227	444	240	104	58.7	06/21/2014 12:11:57	39 28'15.32N	75 13'49.73W	5	R1-1	606
228			15.6	7.9	06/21/2014 12:14:10	39 28'22.23N	75 13'51.21W	8	W2-1	606
229			51.2	22.9	06/21/2014 12:15:15	39 28'25.99N	75 13'51.44W	8	R2-1	606
230			453	202	06/21/2014 12:16:47	39 28'30.58N	75 13'52.01W	7	w14-3	606
231			58	21.6	06/21/2014 12:17:35	39 28'30.62N	75 13'51.82W	8	W2-1	606
232	339	225	104	69.2	06/21/2014 12:18:45	39 28'35.86N	75 13'52.12W	7	r1-1	606
233	429	158	116	48.1	06/21/2014 12:19:26	39 28'36.53N	75 13'51.92W	7	r1-1	606
234			99.7	66.5	06/21/2014 12:21:36	39 28'36.31N	75 13'53.80W	8	r1-1	606
235	500	242	114	61.4	06/21/2014 12:22:17	39 28'35.86N	75 13'53.14W	9	r1-1	606
236			7.3	4.4	06/21/2014 12:24:48	39 28'43.04N	75 13'52.92W	7	W2-1	606

237			472	202	06/21/2014 12:25:11	39 28'43.19N	75 13'52.97W	7	w14-3	606
238			47.2	26.2	06/21/2014 12:33:59	39 28'57.84N	75 13'54.08W	7	W2-1	606
239	268	206	35.3	27.3	06/21/2014 12:35:36	39 29' 4.21N	75 13'54.20W	7	r1-1	606
240	348	230	9.3	6.2	06/21/2014 12:36:09	39 29' 3.90N	75 13'53.75W	6	r1-1	606
241	548	237	106	54.6	06/21/2014 12:37:45	39 29' 4.00N	75 13'55.49W	9		606
242	278	218	120	71.4	06/21/2014 12:38:26	39 29' 4.44N	75 13'55.45W	5		606
243			89.2	36.4	06/21/2014 12:40:00	39 29' 9.71N	75 13'55.75W	7	W2-1	606
244			557	256	06/21/2014 12:40:59	39 29'10.25N	75 13'55.07W	6	r2-1	606
245			68.6	29.6	06/21/2014 12:42:46	39 29'34.81N	75 13'57.40W	9	R2-1	606
246			370	166	06/21/2014 12:43:52	39 29'42.13N	75 13'57.82W	6	W2-2	606
247	252	129	68.8	39.1	06/21/2014 12:45:07	39 29'48.34N	75 13'58.16W	7	R1-1	606
248			292	150	06/21/2014 12:47:08	39 30' 1.72N	75 13'59.39W	6	R2-1	606
249	4.6	1.8	45.9	15.3	06/21/2014 12:48:13	39 30' 9.69N	75 14' 0.19W	8	W3-1	606
250			4.9	2.6	06/21/2014 12:49:34	39 30'10.65N	75 14' 0.33W	9	R2-1	606
251	592	258	148	73.7	06/21/2014 12:50:22	39 30'15.30N	75 14' 0.54W	7	R1-1	606
252			424	197	06/21/2014 12:50:54	39 30'15.40N	75 14' 0.43W	6	w12-1	606

IPS Datum
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Msrmt Number	0.2 Alpha Legend	0.5 Alpha Legend	0.2 Alpha Bkgrnd	0.5 Alpha Bkgrnd	Date/Time	Latitude	Longitude	Position Accuracy (m)	Barcode	Standard Comments	User Comment	Route
1	151	69.8	424	195	06/16/2014 17:09:23	39 30'41.92N	75 17'32.84W	5	W3-1			540
2			65.1	31	06/16/2014 17:10:23	39 30'41.85N	75 17'32.79W	6	R2-1			540
3			9.3	4.5	06/16/2014 17:10:47	39 30'41.95N	75 17'32.08W	6	W2-1			540
4	23.7	14	5.5	3.5	06/16/2014 17:12:24	39 30'43.15N	75 17'23.30W	7	R1-1			540
5	491	192	75.6	27.2	06/16/2014 17:13:04	39 30'42.38N	75 17'23.48W	8	R1-1			540
6			20	10.9	06/16/2014 17:14:40	39 30'44.17N	75 17'16.84W	10	W2-1			540
7			7.7	4.1	06/16/2014 17:17:47	39 30'52.43N	75 16'39.14W	10	W11-5			540
8			1.7	0.9	06/16/2014 17:18:06	39 30'52.22N	75 16'39.11W	8	W2-1			540
9	299	174	82.6	45.1	06/16/2014 17:19:44	39 30'53.17N	75 16'33.01W	11				540
10	226	77.8	20.5	8.1	06/16/2014 17:20:37	39 30'53.75N	75 16'33.50W	7	R1-1			540
11			62.4	27.2	06/16/2014 17:23:40	39 30'54.74N	75 16'27.86W	6	W2-1			540
12			58.3	27.5	06/16/2014 17:25:50	39 31' 7.34N	75 15'29.52W	6	W2-1			540
13			15.9	6.5	06/16/2014 17:27:12	39 31' 8.38N	75 15'25.85W	5	R2-1			540
14	449	191	12.4	6.8	06/16/2014 17:28:48	39 31' 9.65N	75 15'18.57W	6	R1-1			540
15	513	265	123	70.7	06/16/2014 17:29:31	39 31' 9.44N	75 15'19.22W	6	R1-1			540
16	274	221	41.8	25.4	06/16/2014 17:30:10	39 31'10.16N	75 15'19.54W	7	R1-1			540
17	533	225	72.8	36.7	06/16/2014 17:30:58	39 31'10.44N	75 15'19.24W	6	R1-1			540
18			65.1	30.8	06/16/2014 17:32:13	39 31'10.72N	75 15'16.33W	9	R2-1			540
19			14.4	5.7	06/16/2014 17:33:35	39 31'11.99N	75 15'10.94W	6	W2-1			540
20			22.3	11.3	06/16/2014 17:35:21	39 31'13.33N	75 15' 3.82W	9	W11-3			540
21			18.5	8.9	06/16/2014 17:37:13	39 31'18.37N	75 14'41.77W	7	W11-3			540
22			54.5	21.1	06/16/2014 17:38:05	39 31'21.58N	75 14'28.00W	8	S3-1			540
23	61.3	34.5	181	65.7	06/16/2014 17:39:08	39 31'24.38N	75 14'18.82W	9	W3-1			540
24			40	16.4	06/16/2014 17:40:16	39 31'25.41N	75 14'11.02W	10	S3-1			540
25	40.3	15.4	179	64.3	06/16/2014 17:41:49	39 31'29.02N	75 14' 0.52W	7	W3-1			540
26			89.7	38.7	06/16/2014 17:46:15	39 31'32.47N	75 13'49.39W	5	R2-1			540
27			92.7	40	06/16/2014 17:47:02	39 31'36.74N	75 13'36.01W	8	R2-1			540
28			94.4	39.9	06/16/2014 17:49:05	39 31'48.51N	75 13' 1.04W	6	R2-1			540
29			91.1	36.5	06/16/2014 17:50:55	39 31'48.32N	75 12'59.93W	6	W1-2 R			540
30			62.4	28.4	06/16/2014 17:51:08	39 31'48.39N	75 13' 0.10W	6	w13-1p			540
31			56.8	25	06/16/2014 17:52:34	39 31'50.83N	75 12'44.80W	7	W1-2 L			540
32			388	176	06/16/2014 17:52:51	39 31'50.88N	75 12'44.84W	7	w13-1p			540

33			38.2	19.9	06/16/2014 17:57:50	39 31'49.76N 75 12'28.70W	7	W2-1	540
34	678	193	84	30.7	06/16/2014 17:59:56	39 31'50.54N 75 12'23.02W	6	R1-1	540
35	172	122	111	76.4	06/16/2014 18:00:38	39 31'50.26N 75 12'23.38W	6	R1-1	540
36	548	238	124	61	06/16/2014 18:01:32	39 31'49.19N 75 12'23.54W	7	R1-1	540
37	506	155	46.5	21.9	06/16/2014 18:02:11	39 31'49.52N 75 12'22.97W	6	R1-1	540
38			2.2	1.2	06/16/2014 18:03:51	39 31'49.63N 75 12'21.67W	9	W1-2 R	540
39			69.4	32	06/16/2014 18:04:07	39 31'49.65N 75 12'21.67W	8	w13-1p	540
40			40.7	18	06/16/2014 18:05:36	39 31'49.33N 75 12'16.37W	7	W2-1	540
41			25.8	11.6	06/16/2014 18:06:51	39 31'46.90N 75 12'11.39W	13	W2-3	540
42			3.7	2.3	06/16/2014 18:09:09	39 31'43.56N 75 12' 2.94W	10	W1-2 L	540
43	257	145	22.1	17.1	06/16/2014 18:10:19	39 31'43.97N 75 12' 4.42W	6	R1-1	540
44			106	43.9	06/16/2014 18:11:46	39 31'42.40N 75 12' 0.26W	10	R2-1	540
45			16.6	8.2	06/16/2014 18:12:30	39 31'42.25N 75 11'59.27W	8	W2-3	540
46			59.5	25.6	06/16/2014 18:14:26	39 31'35.98N 75 11'44.85W	8	R2-1	540
47			29.7	13.5	06/16/2014 18:14:56	39 31'35.35N 75 11'43.15W	7	W1-2 L	540
48			63.9	28.6	06/16/2014 18:15:04	39 31'35.34N 75 11'43.10W	7	W13-1P	540
49			50.4	24.7	06/16/2014 18:16:22	39 31'32.20N 75 11'28.42W	8	W2-1	540
50			54.7	21.9	06/16/2014 18:16:56	39 31'32.59N 75 11'28.27W	7	W1-2 R	540
51			60.9	27.9	06/16/2014 18:17:09	39 31'32.50N 75 11'28.32W	7	W13-1P	540
52	177	161	118	64.9	06/16/2014 18:18:37	39 31'31.23N 75 11'22.75W	7	R1-1	540
53	333	148	123	56.1	06/16/2014 18:20:21	39 31'31.61N 75 11'20.87W	5	R1-1	540
54	435	201	96.2	47.2	06/16/2014 18:21:31	39 31'31.31N 75 11'19.19W	9	R1-1	540
55	382	203	78.1	40.7	06/16/2014 18:22:12	39 31'31.13N 75 11'19.81W	7	R1-1	540
56	259	83	19.8	7.5	06/16/2014 18:23:16	39 31'32.39N 75 11'19.58W	7	R1-1	540
57	213	73.7	7.3	3.1	06/16/2014 18:24:04	39 31'31.89N 75 11'19.29W	9	R1-1	540
58			64	29	06/16/2014 18:38:19	39 29'43.40N 75 04'35.18W	20	R2-1	540
59			52.6	28.9	06/16/2014 18:38:58	39 29'43.84N 75 04'33.77W	14	R2-1	540
60			36.4	18.5	06/16/2014 18:40:06	39 29'44.84N 75 04'31.03W	9	W2-1	540
61	15.5	5.6	11	3.6	06/16/2014 18:41:53	39 29'44.14N 75 04'23.00W	8	R1-1	540
62	405	216	35.6	26.1	06/16/2014 18:42:54	39 29'44.90N 75 04'23.83W	7	R1-1	540
63			52.7	23.9	06/16/2014 18:44:07	39 29'44.36N 75 04'23.05W	6	w11-2	540
64			12.2	6.3	06/16/2014 18:45:00	39 29'44.20N 75 04'21.44W	7	R2-1	540
65			51.5	23	06/16/2014 18:46:15	39 29'44.57N 75 04'16.84W	9	W2-1	540
66	528	230	37.7	25.3	06/16/2014 18:47:04	39 29'44.51N 75 04'15.28W	6	R1-1	540
67	23.8	10.2	33.1	17.2	06/16/2014 18:50:19	39 29'42.82N 75 03'45.31W	11	W3-1	540

68	21.4	9.6	33.7	18.4	06/16/2014 18:51:03	39 29'42.48N 75 03'46.02W	8	W3-1	540
69	554	259	98.4	55.3	06/16/2014 19:00:49	39 29'42.19N 75 03'40.09W	5	R1-1	540
70			417	188	06/16/2014 19:00:57	39 29'42.23N 75 03'40.15W	5	R1-3P	540
71	1.5	1.2	0.2	0.2	06/16/2014 19:01:51	39 29'41.95N 75 03'39.67W	7	R1-1	540
72			381	173	06/16/2014 19:01:59	39 29'41.86N 75 03'39.61W	7	R1-3P	540
73	172	75.7	61.5	34.9	06/16/2014 19:02:40	39 29'41.95N 75 03'39.13W	8	R1-1	540
74			368	180	06/16/2014 19:02:47	39 29'41.99N 75 03'39.13W	8	R1-3P	540
75	424	263	57.5	36	06/16/2014 19:03:54	39 29'42.10N 75 03'38.60W	6	R1-1	540
76			360	165	06/16/2014 19:04:08	39 29'42.14N 75 03'38.43W	6	R1-3P	540
77	509	260	126	65.8	06/16/2014 19:04:46	39 29'42.68N 75 03'38.49W	6	R1-1	540
78			251	118	06/16/2014 19:04:55	39 29'42.62N 75 03'38.45W	6	R1-3P	540
79	320	243	54.3	32.3	06/16/2014 19:05:49	39 29'43.15N 75 03'39.07W	6	R1-1	540
80			356	181	06/16/2014 19:05:56	39 29'43.15N 75 03'39.10W	6	R1-3P	540
81	476	256	119	63.6	06/16/2014 19:06:29	39 29'42.98N 75 03'39.65W	6	R1-1	540
82			376	180	06/16/2014 19:06:40	39 29'42.99N 75 03'39.63W	6	R1-3P	540
83	430	223	32.2	20.4	06/16/2014 19:07:23	39 29'42.67N 75 03'40.28W	7	R1-1	540
84			412	195	06/16/2014 19:07:33	39 29'42.69N 75 03'40.29W	6	R1-3P	540
85			35.1	16.6	06/16/2014 19:08:21	39 29'42.71N 75 03'39.98W	6	w12-2	540
86	22.8	10.2	42.4	22.3	06/16/2014 19:10:47	39 29'41.65N 75 03'31.43W	8	W3-1	540
87	23	10.3	44.5	22.8	06/16/2014 19:11:22	39 29'42.00N 75 03'31.60W	9	W3-1	540
88			479	196	06/17/2014 16:22:56	39 29'42.20N 75 03'23.39W	33	R2-1	540
89	323	262	61.6	36	06/17/2014 16:24:27	39 29'42.03N 75 03'21.52W	25	R1-1	540
90			431	178	06/17/2014 16:27:46	39 29'41.27N 75 03'12.40W	7	r2-1	540
91			76.9	36.7	06/17/2014 16:31:00	39 29'40.58N 75 03' 2.27W	13	r2-1	540
92			19.7	9.5	06/17/2014 16:34:04	39 29'40.81N 75 03' 1.10W	4		540
93	210	71.5	23.6	9.2	06/17/2014 16:40:57	39 29'39.22N 75 02'41.39W	8	R1-1	540
94			244	120	06/17/2014 16:41:30	39 29'39.77N 75 02'41.48W	6	W1-7	540
95			14	5.7	06/17/2014 17:14:10	39 29' 5.53N 74 59'55.91W	11	R7-19	540
96			91.6	39.6	06/17/2014 17:15:05	39 29' 6.21N 74 59'56.36W	13	r3-8*	540
97			0.5	0.4	06/17/2014 17:15:16	39 29' 6.17N 74 59'56.32W	9	R7-19	540
98			83.2	37.6	06/17/2014 17:15:51	39 29' 6.11N 74 59'55.55W	8	r3-8*	540
99			3	1.4	06/17/2014 17:16:40	39 29' 5.83N 74 59'53.59W	6	R7-19	540
100			15.5	7	06/17/2014 17:18:28	39 29' 5.17N 74 59'54.89W	9	R7-19	540
101			15.7	5.9	06/17/2014 17:19:22	39 29' 5.48N 74 59'55.02W	8	w4-2r	540
102			590	229	06/17/2014 17:21:54	39 29' 4.95N 74 59'35.22W	9	R2-1	540

103			39.2	20.6	06/17/2014 17:23:23	39 29' 4.82N 74 59'33.22W	9	R2-1	540
104			523	257	06/17/2014 17:26:52	39 29' 4.34N 74 59'21.40W	10	R2-1	540
105			28.8	11.6	06/17/2014 17:28:22	39 29' 3.74N 74 59'16.81W	19	R2-1	540
106	473	223	70.7	33.1	06/17/2014 17:29:32	39 29' 3.94N 74 59'15.26W	9	R1-1	540
107	504	221	144	72.4	06/17/2014 17:31:35	39 29' 3.84N 74 59'10.39W	8	R1-1	540
108	496	210	464	216	06/17/2014 17:32:46	39 29' 4.07N 74 59' 9.31W	9	w3-5	540
109	232	204	116	69.1	06/17/2014 17:33:40	39 29' 3.79N 74 59' 7.10W	10	r1-1	540
110	409	198	83.9	42.7	06/17/2014 17:35:49	39 29' 2.48N 74 59' 0.20W	13	R1-1	540
111			447	229	06/17/2014 17:36:15	39 29' 2.90N 74 59' 0.37W	10	S1-1	540
112			447	228	06/17/2014 17:36:24	39 29' 2.92N 74 59' 0.25W	9	W16-9P	540
113			441	270	06/17/2014 17:39:11	39 29' 2.18N 74 58'44.46W	7	W3-3	540
114	432	202	91.7	46	06/17/2014 17:40:05	39 29' 2.54N 74 58'44.23W	7	R1-1	540
115			379	234	06/17/2014 17:41:02	39 29' 2.44N 74 58'43.57W	8	S1-1	540
116			419	233	06/17/2014 17:41:20	39 29' 2.45N 74 58'43.54W	7	W16-9P	540
117	60.2	25.9	7.3	3.2	06/17/2014 17:42:32	39 29' 1.88N 74 58'41.69W	7	R1-1	540
118			218	145	06/17/2014 17:43:04	39 29' 2.05N 74 58'40.15W	8	S1-1	540
119			419	187	06/17/2014 17:44:38	39 29' 2.00N 74 58'35.84W	9	R2-1	540
120			71.5	35.6	06/17/2014 17:45:02	39 29' 1.96N 74 58'35.43W	10	S1-1	540
121			49.3	20.9	06/17/2014 17:45:25	39 29' 1.90N 74 58'35.27W	11	W16-7P	540
122			146	87.2	06/17/2014 17:46:05	39 29' 2.18N 74 58'33.77W	7	S1-1	540
123			0	0	06/17/2014 17:46:31	39 29' 1.56N 74 58'33.20W	8	S3-1	540
124			388	169	06/17/2014 17:46:47	39 29' 1.63N 74 58'32.53W	8	R2-1	540
125	211	73.3	18.3	7.4	06/17/2014 17:47:53	39 29' 1.99N 74 58'29.11W	8	R1-1	540
126			176	114	06/17/2014 17:48:54	39 29' 1.73N 74 58'27.21W	8	S1-1	540
127			462	287	06/17/2014 17:51:05	39 29' 1.63N 74 58'21.37W	8	W3-3	540
128			447	189	06/17/2014 17:52:49	39 29' 1.13N 74 58'17.56W	9	r2-1	540
129			76.3	36	06/17/2014 17:53:03	39 29' 1.04N 74 58'17.70W	9	r2-1	540
130	577	238	17.8	12.7	06/17/2014 17:54:56	39 29' 1.39N 74 58'13.63W	9	R1-1	540
131	151	63.5	506	224	06/17/2014 17:57:00	39 29' 1.05N 74 58'10.32W	10	W3-5	540
132			79.8	37	06/17/2014 17:59:00	39 29' 0.28N 74 58' 4.51W	8	W16-1	540
133			0.3	0.2	06/17/2014 18:03:19	39 28'58.55N 74 57'31.10W	10	R3-8T	540
134			180	60.3	06/17/2014 18:04:25	39 28'59.10N 74 57'31.01W	8	w4-2r	540
135			0.7	0.5	06/17/2014 18:05:44	39 28'58.45N 74 57'28.51W	7	R3-8T	540
136	548	240	137	66.3	06/17/2014 18:06:49	39 28'58.19N 74 57'27.47W	6	R1-2	540
137	560	235	125	64.8	06/17/2014 18:07:17	39 28'58.33N 74 57'27.23W	6	R1-2	540

138			0.2	0.2	06/17/2014 18:09:40	39 28'58.78N 74 57'24.68W	7	R3-8T	540
139			0.1	0.1	06/17/2014 18:10:32	39 28'58.77N 74 57'23.02W	6	R3-8T	540
140			61.8	30.1	06/17/2014 18:13:21	39 28'57.23N 74 56'45.94W	12	W2-2	540
141	512	260	95.9	53.9	06/17/2014 18:14:27	39 28'56.21N 74 56'40.09W	10	R1-1	540
142			0.9	0.6	06/17/2014 18:17:26	39 28'56.38N 74 56'34.22W	8	W2-2	540
143			54.6	26	06/17/2014 18:18:01	39 28'55.97N 74 56'33.31W	8	R2-1	540
144			211	144	06/17/2014 18:44:13	39 29' 4.42N 74 58'33.67W	9	S1-1	672
145			72.9	34.4	06/17/2014 18:44:26	39 29' 4.36N 74 58'33.80W	9	R7-19	672
146			51.8	26.5	06/17/2014 18:44:43	39 29' 4.35N 74 58'34.22W	8	R7-19	672
147	427	235	60.4	35.5	06/17/2014 18:46:04	39 29' 5.31N 74 58'33.32W	7	R1-1	672
148	505	273	136	70.3	06/17/2014 18:46:18	39 29' 5.32N 74 58'33.34W	7	R1-1	672
149			559	258	06/17/2014 18:47:03	39 29' 5.71N 74 58'33.74W	6	R2-1	672
150	369	241	37.3	28.3	06/17/2014 18:48:38	39 29' 8.18N 74 58'34.19W	8	R1-1	672
151			488	287	06/17/2014 18:50:42	39 29'13.63N 74 58'33.36W	7	W3-3	672
152			0.4	0.4	06/17/2014 18:51:11	39 29'14.65N 74 58'33.53W	9	S3-1	672
153	753	289	186	80.1	06/17/2014 18:52:46	39 29'20.14N 74 58'32.47W	8	R1-1	672
154			309	135	06/17/2014 18:53:23	39 29'20.19N 74 58'33.15W	8		672
155			79	38	06/17/2014 18:55:18	39 29'23.27N 74 58'32.14W	8	w2-1	672
156	89.9	70.6	41.7	32.3	06/17/2014 18:56:02	39 29'23.92N 74 58'32.01W	8	R1-1	672
157			40.9	22.7	06/17/2014 18:58:32	39 29'26.85N 74 58'32.75W	7	R2-1	672
158	222	65.3	8.1	3	06/17/2014 18:59:25	39 29'27.88N 74 58'32.76W	8	R1-1	672
159	239	82.8	17.1	6.8	06/17/2014 18:59:49	39 29'28.23N 74 58'33.11W	9	R1-1	672
160	239	70.3	8	2.8	06/17/2014 19:01:05	39 29'28.22N 74 58'31.58W	10	R1-1	672
161	238	83	14.7	6.3	06/17/2014 19:01:48	39 29'27.59N 74 58'31.78W	8	R1-1	672
162			64.7	29	06/17/2014 19:04:22	39 29'35.24N 74 58'31.75W	11	W2-1	672
163			41.7	23.9	06/17/2014 19:04:44	39 29'36.80N 74 58'31.48W	13	R2-1	672
164	517	206	134	61.5	06/17/2014 19:07:01	39 29'49.70N 74 58'30.38W	10	R1-1	672
165	0.2	0.1	0.3	0.2	06/17/2014 19:07:22	39 29'49.94N 74 58'30.37W	8	W3-1	672
166	469	220	117	56.7	06/17/2014 19:08:18	39 29'49.44N 74 58'31.35W	9	R1-1	672
167	115	60.9	400	189	06/17/2014 19:09:18	39 29'50.02N 74 58'31.03W	10	W3-1	672
168			23.6	10.9	06/17/2014 19:10:12	39 29'50.50N 74 58'30.86W	12	R2-1	672
169	230	76.6	22	8.9	06/17/2014 19:12:10	39 29'53.71N 74 58'29.84W	7	R1-1	672
170			8.9	4.3	06/17/2014 19:12:17	39 29'53.72N 74 58'29.86W	7	R1-3P	672
171	119	43.1	1.1	0.6	06/17/2014 19:12:51	39 29'54.01N 74 58'29.62W	7	R1-1	672
172			31.3	14.2	06/17/2014 19:13:03	39 29'54.01N 74 58'29.62W	7	R1-3P	672

173	588	238	113	58	06/17/2014 19:13:47	39 29'54.42N 74 58'29.59W	6	R1-1	672
174			313	187	06/17/2014 19:14:02	39 29'54.65N 74 58'29.57W	6	R1-3P	672
175	355	227	80.5	54.8	06/17/2014 19:14:34	39 29'54.83N 74 58'30.34W	7	R1-1	672
176			50.9	21.6	06/17/2014 19:14:42	39 29'54.80N 74 58'30.29W	6	R1-3P	672
177	236	78.3	27.1	10.4	06/17/2014 19:15:21	39 29'54.77N 74 58'31.28W	5	R1-1	672
178			10.7	4.2	06/17/2014 19:15:28	39 29'54.77N 74 58'31.27W	4	R1-3P	672
179	574	242	105	57.3	06/17/2014 19:15:58	39 29'54.20N 74 58'30.87W	5	R1-1	672
180			304	182	06/17/2014 19:16:07	39 29'54.20N 74 58'30.85W	5	R1-3P	672
181	3.7	1.2	169	60.8	06/17/2014 19:21:11	39 30' 0.79N 74 58'29.00W	10	W3-1	672
182	18	8.9	12.9	5.7	06/17/2014 19:22:00	39 30' 0.90N 74 58'29.74W	11	w3-1	672
183	634	228	162	69.2	06/17/2014 19:24:56	39 30'20.11N 74 58'25.58W	7	R1-1	672
184	658	242	169	70.4	06/17/2014 19:25:52	39 30'20.50N 74 58'27.52W	8	R1-1	672
185	337	221	84.8	57.8	06/17/2014 19:26:41	39 30'20.38N 74 58'28.85W	7	R1-1	672
186			473	219	06/17/2014 19:27:38	39 30'19.25N 74 58'28.55W	7	R2-1	672
187			55.7	25.1	06/17/2014 19:32:19	39 30'24.29N 74 58'27.46W	10	W2-1	672
188			52.3	24.5	06/17/2014 20:26:54	39 25'51.85N 75 06'58.44W	12	R2-1	714
189	9.8	3	45.1	14.5	06/17/2014 20:28:07	39 25'47.98N 75 06'55.18W	7	W3-1	714
190			453	207	06/17/2014 20:28:41	39 25'47.80N 75 06'55.42W	7	w14-3	714
191			481	234	06/17/2014 20:29:41	39 25'46.09N 75 06'53.45W	16	R2-1	714
192	45.2	23.4	47.7	24.1	06/17/2014 20:30:49	39 25'27.58N 75 06'44.08W	10	W3-5	714
193	321	250	40	28.1	06/17/2014 20:32:31	39 25'21.89N 75 06'39.50W	6	R1-1	714
194	48.9	16.6	12.8	3.6	06/17/2014 20:33:26	39 25'21.76N 75 06'39.44W	6	R5-1	714
195	593	249	123	60.6	06/17/2014 20:33:51	39 25'22.15N 75 06'39.34W	6	R1-1	714
196	52.1	17.6	14.4	3.8	06/17/2014 20:34:16	39 25'21.78N 75 06'39.41W	6	R5-1	714
197			61.9	31.6	06/17/2014 20:34:55	39 25'21.06N 75 06'39.06W	7	R6-1 R	714
198			22.8	12.2	06/17/2014 20:35:36	39 25'20.72N 75 06'39.43W	9	R6-1 L	714
199			3.9	1.8	06/17/2014 20:36:48	39 25'17.76N 75 06'37.45W	9	R2-1	714
200			53	23.2	06/17/2014 20:37:07	39 25'17.34N 75 06'37.61W	8	R2-1	714
201			14.5	8.5	06/17/2014 20:37:48	39 25'15.93N 75 06'36.79W	7	W1-8 R	714
202			32.8	16.7	06/17/2014 20:37:56	39 25'15.91N 75 06'36.74W	7	W1-8 L	714
203			15.8	9.1	06/17/2014 20:38:36	39 25'15.08N 75 06'36.31W	9	W1-8 R	714
204			24.4	12.8	06/17/2014 20:38:45	39 25'15.03N 75 06'36.32W	9	W1-8 L	714
205			13.4	8.2	06/17/2014 20:39:17	39 25'14.27N 75 06'36.65W	10	W1-8 R	714
206			33.8	16.8	06/17/2014 20:39:26	39 25'14.23N 75 06'36.65W	10	W1-8 L	714
207	37.8	15.6	5.1	1.7	06/17/2014 20:40:52	39 25' 7.85N 75 06'37.56W	11	R1-1	714

208			69.6	34.3	06/17/2014 20:41:38	39 25' 6.40N 75 06'38.15W	7	W1-2 L	714
209			50.6	22.9	06/17/2014 20:41:51	39 25' 6.41N 75 06'38.27W	7	W13-1P	714
210			45.1	20	06/17/2014 20:42:43	39 25' 2.24N 75 06'40.43W	10	R2-1	714
211			479	205	06/17/2014 20:43:21	39 25' 1.01N 75 06'40.36W	10	w14-3	714
212			26.4	11.8	06/17/2014 20:44:16	39 24'57.65N 75 06'40.90W	9	R2-1	714
213			109	50	06/17/2014 20:45:21	39 24'49.47N 75 06'43.41W	14	w3-14	714
214	7	2.1	37.2	12.8	06/17/2014 20:46:39	39 24'36.14N 75 06'47.35W	10	W3-1	714
215			468	207	06/17/2014 20:47:34	39 24'31.82N 75 06'48.30W	16	w14-3	714
216			444	208	06/17/2014 20:48:22	39 24'31.45N 75 06'48.43W	10	r2-1	714

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Msrmt Number	0.2 Alpha Legend	0.5 Alpha Legend	0.2 Alpha Bkgrnd	0.5 Alpha Bkgrnd	Date/Time	Latitude	Longitude	Position Accuracy (m)	Barcode	Standard Comments	User Comment	Route
1	526	265	94.9	51.9	05/21/2014 16:44:58	39 27.2584°N	10.4842°W	8	R1-1			553
2	326	198	86	55.5	05/21/2014 16:46:18	39 27.2585°N	10.4711°W	11	R5-1			553
3			436	199	05/21/2014 16:47:41	39 27.2711°N	10.4652°W	9	W12-1			553
4	377	180	85.8	41.8	05/21/2014 16:49:15	39 27.2671°N	10.4737°W	9	R1-1			553
5	144	72.6	485	217	05/21/2014 16:51:50	39 27.1941°N	10.4889°W	7	W3-1			553
6			449	207	05/21/2014 16:54:29	39 26.8859°N	10.5693°W	10	W11-3			553
7			489	225	05/21/2014 16:56:50	39 26.7409°N	10.6110°W	7	W11-3			553
8			53.9	22.3	05/21/2014 16:58:12	39 26.6722°N	10.6223°W	12	W2-1			553
9	376	246	60.8	41.2	05/21/2014 17:01:20	39 26.5835°N	10.6593°W	7	R1-1			553
10	327	200	98.2	62.6	05/21/2014 17:03:34	39 26.5762°N	10.6370°W	4	R1-1			553
11	67.8	52.3	34	22.6	05/21/2014 17:04:45	39 26.5754°N	10.6353°W	5	R1-1			553
12	372	165	96.5	46	05/21/2014 17:06:02	39 26.5826°N	10.6350°W	4	R1-1			553
13			237	151	05/21/2014 17:15:23	39 26.8648°N	12.7799°W	5	W1-7			638
14	489	251	99.9	54.9	05/21/2014 17:17:41	39 26.8252°N	12.7653°W	5	R1-1			638
15			538	244	05/21/2014 17:18:46	39 26.8257°N	12.7656°W	5	R2-1			638
16			50	24	05/21/2014 17:20:46	39 26.7316°N	12.7136°W	12	W1-2 R			638
17			51.7	25	05/21/2014 17:24:35	39 26.7094°N	12.6933°W	5	S3-1			638
18			531	225	05/21/2014 17:25:05	39 26.7069°N	12.6868°W	6	W1-8 L			638
19			530	218	05/21/2014 17:26:07	39 26.6993°N	12.6843°W	5	W1-8 L			638
20			376	175	05/21/2014 17:28:17	39 26.7249°N	12.7084°W	5	W1-8 L			638
21	28.4	15.3	17.3	9.4	05/21/2014 17:30:56	39 26.6617°N	12.6746°W	6	R1-1			638
22			22	10.7	05/21/2014 17:33:53	39 26.6117°N	12.6682°W	5	W1-2 L			638
23	37.2	19.3	13.1	7.1	05/21/2014 17:34:55	39 26.6147°N	12.6708°W	6	R1-1			638
24	559	257	101	50.3	05/21/2014 17:38:43	39 26.5568°N	12.6776°W	6	R1-1			638
25			522	251	05/21/2014 17:42:16	39 26.4820°N	12.6680°W	7	R2-1			638
26			527	244	05/21/2014 17:43:18	39 26.4794°N	12.6698°W	8	R2-1			638
27			49.6	19.7	05/21/2014 17:45:29	39 26.4355°N	12.6550°W	5	W2-2			638
28	26.8	14.7	11.2	6.3	05/21/2014 17:46:35	39 26.4352°N	12.6595°W	6	R1-1			638
29	680	214	18	10.6	05/21/2014 17:49:50	39 26.4015°N	12.6688°W	5	R1-1			638
30			659	290	05/21/2014 17:52:00	39 26.2722°N	12.6618°W	6	S3-1			638
31	9	4.9	3.1	1.7	05/21/2014 17:53:14	39 26.2752°N	12.6563°W	8	R1-1			638
32			550	249	05/21/2014 17:57:45	39 26.1857°N	12.6432°W	4	R2-1			638

33			313	141	05/21/2014 18:01:34 39 26.0950'15 12.6284'\	6	R2-1	638
34	40.6	22.4	10	5.8	05/21/2014 18:03:42 39 26.0879'15 12.6271'\	4	R1-1	638
35	19.6	11.3	5.6	3.4	05/21/2014 18:06:08 39 26.0469'15 12.6173'\	6	R1-1	638
36			117	47.6	05/21/2014 18:08:38 39 25.9390'15 12.6044'\	4	R2-1	638
37			110	44.6	05/21/2014 18:09:09 39 25.9365'15 12.6052'\	5	R2-1	638
38	34	17.6	1	0.5	05/21/2014 18:11:06 39 25.9116'15 12.6046'\	8	R1-1	638
39	168	55.9	10	3.7	05/21/2014 18:13:49 39 25.9115'15 12.6028'\	7	R1-1	638
40	566	314	87.2	48.6	05/21/2014 18:17:50 39 25.7157'15 12.5902'\	7	R1-1	638
41			6.1	3.4	05/21/2014 18:18:36 39 25.7139'15 12.5910'\	8	W1-2 R	638
42			111	44.4	05/21/2014 18:19:32 39 25.7162'15 12.5889'\	8	R2-1	638
43			529	248	05/21/2014 18:20:34 39 25.6876'15 12.5842'\	10	W1-7	638
44	440	226	84.7	46.5	05/21/2014 18:21:58 39 25.6893'15 12.5863'\	7	R1-1	638
45			458	218	05/21/2014 18:24:26 39 25.5214'15 12.5915'\	5	R2-1	638

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Msrmt Number	0.2 Alpha Legend	0.5 Alpha Legend	0.2 Alpha Bkgnd	0.5 Alpha Bkgnd	Date/Time	Latitude	Longitude	Position Accuracy (m)	Barcode	Standard Comments	User Comment	Route
1	562	218	131	63.3	06/09/2014 16:56:07	39 24'54.55N	75 01'47.21W	6	R1-1			555
2			337	162	06/09/2014 16:59:06	39 25' 6.24N	75 01'40.84W	6	W2-2			555
3	530	245	120	60.9	06/09/2014 17:02:39	39 25' 9.47N	75 01'39.08W	7	R1-1			555
4			56.9	24	06/09/2014 17:04:40	39 25'15.95N	75 01'35.27W	8	W14-2			555
5	405	269	28.4	18.9	06/09/2014 17:05:58	39 25'15.87N	75 01'35.59W	6	R1-1			555
6	364	226	95.3	60.9	06/09/2014 17:10:15	39 25'35.84N	75 01'24.82W	7	R1-1			555
7			576	269	06/09/2014 17:10:57	39 25'36.50N	75 01'24.63W	7	R2-1			555
8			9	5.7	06/09/2014 17:11:29	39 25'36.59N	75 01'24.54W	7	W2-2			555
9			546	249	06/09/2014 17:14:58	39 25'39.72N	75 01'23.01W	5	r3-7I			555
10	577	226	132	58.3	06/09/2014 17:20:58	39 26' 0.85N	75 01'13.09W	10	R1-1			555
11			44.3	22.4	06/09/2014 17:23:51	39 26'13.52N	75 01' 7.61W	13	W3-3			555
12			517	228	06/09/2014 17:26:13	39 26'19.30N	75 01' 4.85W	10	r3-7I			555
13			469	238	06/09/2014 17:27:13	39 26'19.83N	75 01' 4.44W	7	r3-7I			555
14			2.8	1.8	06/09/2014 17:29:45	39 26'41.92N	75 00'55.66W	8	r3-8*			555
15			72.7	33.4	06/09/2014 17:31:45	39 26'54.97N	75 00'49.55W	11	R2-1			555
16			433	215	06/09/2014 17:33:03	39 26'59.28N	75 00'47.08W	14	W3-3			555
17	605	245	96.2	53.7	06/09/2014 17:35:07	39 27' 1.59N	75 00'46.25W	9	R1-1			555
18			495	290	06/09/2014 17:37:20	39 27' 4.74N	75 00'44.78W	8	r3-7I			555
19			547	317	06/09/2014 17:37:54	39 27' 5.30N	75 00'44.62W	10	r3-7I			555
20			46.1	20.2	06/09/2014 17:38:51	39 27' 7.40N	75 00'43.66W	8	R2-1			555
21	688	247	185	74.8	06/09/2014 17:41:09	39 27'15.01N	75 00'40.45W	9	R1-1			555
22	9.7	5.7	3.7	2	06/09/2014 17:42:55	39 27'19.93N	75 00'37.91W	12	R1-1			555
23			118	44.8	06/09/2014 17:53:16	39 27'21.79N	75 00'37.21W	9	R2-1			555
24	72.9	25.1	2.3	1.2	06/09/2014 17:55:55	39 27'29.08N	75 00'33.96W	8	R1-1			555
25			73.3	31.6	06/09/2014 17:56:36	39 27'31.27N	75 00'33.00W	8	R2-1			555
26			21.4	10.7	06/09/2014 17:57:35	39 27'32.69N	75 00'32.78W	9	W2-2			555
27			498	230	06/09/2014 17:59:10	39 27'39.11N	75 00'29.80W	9	W1-7			555
28	636	197	3.8	3	06/09/2014 18:02:08	39 27'38.71N	75 00'29.71W	13	R1-1			555
29	57	19.7	5.8	2.2	06/09/2014 18:06:00	39 27'49.45N	75 00'24.98W	12	R1-1			555
30			487	250	06/09/2014 18:06:35	39 27'49.71N	75 00'24.75W	10	S1-1			555
31			73.4	31.7	06/09/2014 18:07:45	39 27'51.51N	75 00'23.89W	10	r3-8*			555
32			76.2	31.7	06/09/2014 18:09:02	39 27'52.67N	75 00'23.37W	8	r3-8*			555

33			58.1	26.8	06/09/2014 18:12:13	39 28' 4.87N	75 00'17.96W	10	-w14-3	555
34	58.9	29.4	0.4	0.2	06/09/2014 18:14:00	39 28' 6.82N	75 00'17.11W	9	R1-1	555
35			69.2	31.7	06/09/2014 18:14:19	39 28' 7.09N	75 00'17.27W	9	R2-1	555
36			27.5	15.1	06/09/2014 18:16:23	39 28' 8.05N	75 00'16.69W	9	W2-2	555
37			494	228	06/09/2014 18:18:02	39 28'14.12N	75 00'13.87W	7	W1-7	555
38			288	184	06/09/2014 18:18:32	39 28'14.42N	75 00'13.84W	8	S3-1	555
39	531	250	112	56.4	06/09/2014 18:21:27	39 28'15.52N	75 00'13.17W	8	R1-1	555
40	253	241	47	37.1	06/09/2014 18:24:08	39 28'19.19N	75 00'11.88W	9	R1-1	555
41	252	172	82.8	41.7	06/09/2014 18:26:38	39 28'31.54N	75 00' 7.00W	7	R1-1	555
42	426	191	87.4	45	06/09/2014 18:27:29	39 28'31.87N	75 00' 6.98W	7	R1-1	555
43			132	84.3	06/09/2014 18:33:06	39 28'39.75N	75 00' 5.43W	29	S1-1	555
44			538	281	06/09/2014 18:34:10	39 28'38.26N	75 00' 5.30W	8	R3-8T	555
45			540	282	06/09/2014 18:36:32	39 28'39.73N	75 00' 5.02W	7	R3-8T	555
46			117	73.2	06/09/2014 18:36:55	39 28'39.60N	75 00' 4.76W	6	S1-1	555
47			231	78.9	06/09/2014 18:40:56	39 28'43.71N	75 00' 3.70W	6	r3-7I	555
48			233	78.9	06/09/2014 18:41:56	39 28'44.54N	75 00' 3.29W	6	r3-7I	555
49			534	223	06/09/2014 18:44:08	39 28'52.12N	75 00' 0.98W	7	R2-1	555
50			433	207	06/09/2014 19:04:35	39 29' 2.35N	74 59'58.22W	7	w4-2I	555
51			561	279	06/09/2014 19:05:44	39 29' 3.32N	74 59'57.69W	7	R3-8T	555
52			25.2	10.8	06/09/2014 19:06:04	39 29' 3.31N	74 59'57.78W	8	R7-19	555
53			573	277	06/09/2014 19:08:40	39 29' 4.78N	74 59'57.10W	7	R3-8T	555
54			4.1	2.3	06/09/2014 19:09:10	39 29' 4.58N	74 59'57.17W	8	R7-19	555
55			23.8	10.1	06/09/2014 19:12:06	39 29' 6.58N	74 59'56.87W	7	R7-19	555
56			457	204	06/09/2014 19:12:31	39 29' 7.00N	74 59'56.78W	7	w4-2I	555
57			16.3	7.3	06/09/2014 19:12:54	39 29' 7.52N	74 59'56.45W	6	R7-19	555
58			63.2	23.3	06/09/2014 19:13:24	39 29' 8.53N	74 59'56.32W	6	R7-19	555
59			533	231	06/09/2014 19:14:31	39 29'15.38N	74 59'54.10W	11	R2-1	555
60			511	249	06/09/2014 19:15:24	39 29'22.57N	74 59'52.23W	14	r3-7I	555
61			73.7	32	06/09/2014 19:16:01	39 29'24.25N	74 59'51.58W	10	r3-7I	555
62			64.8	30	06/09/2014 19:19:38	39 29'28.60N	74 59'50.65W	10	r3-8*	555
63			62.5	29.7	06/09/2014 19:22:59	39 29'31.45N	74 59'49.29W	7	r3-8*	555
64	793	223	97.7	34.6	06/09/2014 19:23:59	39 29'32.06N	74 59'48.62W	7	R1-1	555
65			1.3	0.8	06/09/2014 19:24:57	39 29'32.50N	74 59'49.17W	8	W1-8 L	555
66			0.7	0.6	06/09/2014 19:25:53	39 29'32.42N	74 59'49.16W	7	W1-8 L	555

67			59.8	27.2	06/09/2014 19:28:50	39 29'33.81N 74 59'49.04W	8	r3-9b	555
68	15.2	8.9	3.9	2.2	06/09/2014 19:30:45	39 29'37.24N 74 59'47.84W	9	R1-1	555
69	361	218	121	62.9	06/09/2014 19:32:22	39 29'41.06N 74 59'46.31W	7	R1-1	555
70			544	224	06/09/2014 19:32:56	39 29'41.30N 74 59'46.48W	6	R2-1	555
71			545	202	06/09/2014 19:34:39	39 29'44.78N 74 59'45.46W	8	r3-7l	555
72			556	189	06/09/2014 19:35:28	39 29'46.91N 74 59'45.05W	11	r3-7l	555
73			63.1	28.1	06/09/2014 19:36:20	39 29'49.21N 74 59'44.29W	8	r3-9b	555
74	344	218	105	61.2	06/09/2014 19:38:23	39 29'52.63N 74 59'43.13W	6	R1-1	555
75			39.4	24.1	06/09/2014 19:39:17	39 29'55.08N 74 59'42.58W	8	S1-1	555
76			69.6	30.7	06/09/2014 19:39:48	39 29'55.26N 74 59'42.50W	7	r3-8*	555
77			66.3	29.4	06/09/2014 19:41:16	39 29'56.84N 74 59'41.99W	7	r3-8*	555
78			76.4	34	06/09/2014 19:43:11	39 30' 4.70N 74 59'39.80W	10	r3-8*	555
79			75.9	32.2	06/09/2014 19:43:44	39 30' 6.16N 74 59'39.49W	10	r3-8*	555
80			645	216	06/09/2014 19:45:05	39 30' 9.37N 74 59'38.95W	8	r3-9b	555
81			24.8	11.2	06/09/2014 19:45:41	39 30'10.29N 74 59'38.48W	8	w10-1	555
82			85	38.3	06/09/2014 19:46:40	39 30'19.84N 74 59'35.95W	9	R2-1	555
83	660	243	192	78.3	06/09/2014 19:48:28	39 30'23.99N 74 59'34.87W	8	R1-1	555
84			61.9	27.7	06/09/2014 19:49:10	39 30'25.12N 74 59'34.74W	8	r3-9b	555
85	126	44.1	14.9	6.3	06/09/2014 19:51:13	39 30'36.84N 74 59'31.28W	7	R1-1	555
86			58.8	26.9	06/09/2014 19:51:54	39 30'37.15N 74 59'31.31W	6	r3-9b	555
87			387	222	06/09/2014 19:53:00	39 30'43.58N 74 59'29.48W	9	W3-3	555
88	323	175	144	85.9	06/09/2014 19:54:35	39 30'44.82N 74 59'28.93W	7	R1-1	555
89			524	259	06/09/2014 19:55:18	39 30'45.62N 74 59'28.77W	8	R7-19	555
90			513	254	06/09/2014 19:55:50	39 30'46.27N 74 59'28.52W	8	R7-19	555
91			494	243	06/09/2014 19:56:23	39 30'46.93N 74 59'28.55W	8	R7-19	555
92			245	74	06/09/2014 19:58:58	39 30'47.54N 74 59'27.97W	11	r3-7l	555
93			61.8	30.6	06/09/2014 20:01:15	39 30'54.32N 74 59'26.30W	8	R2-1	555
94	100	76.6	43.3	33	06/09/2014 20:22:44	39 27'43.09N 75 06' 0.52W	7	R1-1	754
95	108	56.9	471	231	06/09/2014 20:23:59	39 27'47.32N 75 06' 2.62W	9	W3-1	754
96			353	172	06/09/2014 20:25:31	39 27'52.07N 75 06' 4.91W	12	W1-1 R	754
97			458	227	06/09/2014 20:26:00	39 27'52.10N 75 06' 4.91W	6	W13-1P	754
98			441	229	06/09/2014 20:27:38	39 27'55.34N 75 06' 6.63W	9	W1-8 R	754
99			443	226	06/09/2014 20:28:08	39 27'55.31N 75 06' 6.79W	7	W1-8 R	754
100			448	214	06/09/2014 20:28:46	39 27'55.55N 75 06' 6.43W	8	W1-8 L	754

101	443	230	06/09/2014 20:29:19	39 27'55.22N	75 06' 5.81W	10	W1-8 L	754
102	331	178	06/09/2014 20:31:45	39 27'56.26N	75 06' 2.11W	5	W1-1 L	754
103	488	215	06/09/2014 20:32:03	39 27'56.17N	75 06' 2.10W	6	W13-1P	754

PS Datum
100

Msrmt Number	0.2 Alpha Legend	0.5 Alpha Legend	0.2 Alpha Bkgrnd	0.5 Alpha Bkgrnd	Date/Time	Latitude	Longitude	Position Accuracy (m)	Barcode	Standard Comments	User Comment	Route
1			445	232	06/10/2014 16:51:06	39 30'57.39N	74 59'26.08W	7	W3-3			555
2			246	74.3	06/10/2014 16:52:53	39 30'50.14N	74 59'28.16W	9	r3-7l			555
3			265	84.9	06/10/2014 16:54:01	39 30'50.02N	74 59'28.26W	9	r3-7l			555
4			74.8	31.2	06/10/2014 16:55:10	39 30'47.50N	74 59'29.23W	10	r3-9b			555
5			58	23	06/10/2014 16:55:38	39 30'47.47N	74 59'29.05W	7	r7-19			555
6			95.2	39.7	06/10/2014 16:56:24	39 30'46.01N	74 59'29.35W	8	R7-19			555
7			576	209	06/10/2014 16:56:55	39 30'45.53N	74 59'29.50W	8	r2-1			555
8			84.7	36.6	06/10/2014 16:57:47	39 30'43.00N	74 59'30.12W	10	R2-1			555
9			71.5	28	06/10/2014 16:58:37	39 30'38.13N	74 59'31.47W	8	r3-9b			555
10			73.7	27.5	06/10/2014 17:00:10	39 30'13.98N	74 59'37.85W	10	r3-9b			555
11			76.6	35.5	06/10/2014 17:01:15	39 30' 8.87N	74 59'39.61W	10	r3-8*			555
12			77.1	37.1	06/10/2014 17:03:03	39 30' 7.54N	74 59'39.71W	10	r3-8*			555
13			578	198	06/10/2014 17:04:08	39 30' 3.80N	74 59'40.87W	7	r3-9b			555
14			144	101	06/10/2014 17:05:10	39 30' 1.61N	74 59'41.45W	5	S1-1			555
15			72.9	27.8	06/10/2014 17:06:02	39 30' 0.32N	74 59'41.72W	10	r3-8*			555
16			69	29.3	06/10/2014 17:07:08	39 29'58.55N	74 59'42.07W	5	r3-8*			555
17			127	50.5	06/10/2014 17:09:39	39 29'55.54N	74 59'43.03W	7	R2-1			555
18			509	223	06/10/2014 17:10:39	39 29'54.62N	74 59'43.33W	6	r3-9b			555
19			82.5	35	06/10/2014 17:12:14	39 29'50.65N	74 59'44.51W	6	r3-9b			555
20	284	168	88.6	45.3	06/10/2014 17:14:40	39 29'43.49N	74 59'46.51W	6	r1-1			555
21	569	249	115	54.4	06/10/2014 17:17:02	39 29'40.40N	74 59'47.54W	7	R1-1			555
22	569	240	128	63.9	06/10/2014 17:18:51	39 29'36.06N	74 59'48.71W	5	R1-1			555
23	101	75.8	31.9	22.2	06/10/2014 17:20:17	39 29'31.97N	74 59'49.95W	5	R1-1			555
24			247	165	06/10/2014 17:20:43	39 29'31.91N	74 59'50.03W	6	W1-7			555
25			78.2	24.9	06/10/2014 17:21:59	39 29'31.57N	74 59'50.18W	6	R2-1			555
26			7.6	3.5	06/10/2014 17:23:15	39 29'29.21N	74 59'50.78W	7	r10-7			555
27	360	234	36.5	22.8	06/10/2014 17:24:41	39 29'27.70N	74 59'51.41W	7	R1-1			555
28			99.2	76.8	06/10/2014 17:25:17	39 29'27.61N	74 59'51.36W	7	R7-19			555
29			0.3	0.3	06/10/2014 17:26:10	39 29'26.06N	74 59'51.68W	7	R7-19			555
30			91.9	36.7	06/10/2014 17:27:07	39 29'25.82N	74 59'51.94W	7	r3-8*			555
31			54	21.4	06/10/2014 17:28:25	39 29'24.07N	74 59'52.41W	8	R7-19			555
32			74.3	27.3	06/10/2014 17:28:57	39 29'24.04N	74 59'52.19W	5	r1-7			555

33	16.1	6.9	20.5	9	06/10/2014 17:30:32	39 29'20.41N 74 59'53.54W	7	R1-1	555
34	336	220	97.1	65.2	06/10/2014 17:31:52	39 29'17.69N 74 59'54.20W	6	R1-1	555
35			80.2	36.7	06/10/2014 17:32:31	39 29'17.74N 74 59'54.30W	6	R2-1	555
36	722	212	55.7	20.9	06/10/2014 17:36:45	39 29'12.17N 74 59'56.03W	7	R1-1	555
37	223	69.4	38.2	13.1	06/10/2014 17:38:37	39 29' 8.99N 74 59'57.28W	5	R1-1	555
38			463	221	06/10/2014 17:39:07	39 29' 8.99N 74 59'57.07W	6	R3-8T	555
39			12.8	5.9	06/10/2014 17:39:42	39 29' 8.93N 74 59'57.00W	7	R7-19	555
40			77.6	34.8	06/10/2014 17:41:07	39 29' 8.74N 74 59'57.06W	4	r10-7	555
41			500	226	06/10/2014 17:41:52	39 29' 8.24N 74 59'57.23W	5	R3-8T	555
42			8.9	4.4	06/10/2014 17:42:12	39 29' 8.25N 74 59'57.28W	6	R7-19	555
43			599	245	06/10/2014 17:45:11	39 29' 1.17N 74 59'59.44W	8	R2-1	555
44	512	255	91.1	50.9	06/10/2014 17:47:20	39 28'51.85N 75 00' 2.02W	5		555
45			265	174	06/10/2014 17:48:03	39 28'51.64N 75 00' 2.13W	6	S1-1	555
46			249	84.9	06/10/2014 17:48:22	39 28'51.61N 75 00' 2.05W	6	r3-7I	555
47			251	85.4	06/10/2014 17:49:27	39 28'49.60N 75 00' 2.52W	6	r3-7I	555
48			81.4	64.9	06/10/2014 17:50:39	39 28'47.35N 75 00' 3.23W	6	R7-19	555
49			229	77.9	06/10/2014 17:51:29	39 28'46.48N 75 00' 3.48W	6	r3-7I	555
50			81.3	67	06/10/2014 17:52:34	39 28'45.44N 75 00' 3.74W	3	R7-19	555
51			0	0	06/10/2014 17:54:27	39 28'43.96N 75 00' 4.33W	4	R7-19	555
52			244	83.8	06/10/2014 17:55:03	39 28'43.98N 75 00' 4.45W	5	r3-8*	555
53			536	281	06/10/2014 17:55:52	39 28'42.71N 75 00' 4.79W	6	r3-8*	555
54			244	167	06/10/2014 17:56:58	39 28'40.78N 75 00' 5.39W	6	S1-1	555
55			581	286	06/10/2014 17:57:28	39 28'40.70N 75 00' 5.27W	6	r3-8*	555
56			29.9	15	06/10/2014 17:59:06	39 28'39.04N 75 00' 5.83W	7	R2-1	555
57			231	148	06/10/2014 18:00:42	39 28'27.17N 75 00' 9.36W	9	S3-1	555
58	503	275	130	71.7	06/10/2014 18:04:48	39 28'23.90N 75 00'10.31W	5	R1-1	555
59			62.8	27.1	06/10/2014 18:07:40	39 28'23.05N 75 00'10.76W	8	W2-2	555
60	426	264	81.3	46.3	06/10/2014 18:15:16	39 28'14.12N 75 00'15.05W	6	R1-1	555
61	454	245	109	62.1	06/10/2014 18:16:03	39 28'13.84N 75 00'15.41W	6	R1-1	555
62			98.7	36.5	06/10/2014 18:18:18	39 27'59.63N 75 00'21.27W	7	W3-3	555
63			266	173	06/10/2014 18:19:26	39 27'59.61N 75 00'21.47W	7	S1-1	555
64			64.7	27.7	06/10/2014 18:22:18	39 27'57.02N 75 00'22.30W	6	r3-8*	555
65			76.6	32.7	06/10/2014 18:23:36	39 27'54.97N 75 00'23.11W	6	r3-8*	555
66			14.3	8.2	06/10/2014 18:41:28	39 27'45.40N 75 00'27.23W	6	W2-2	555

67			9.4	5.2	06/10/2014 18:44:23	39 27'39.95N 75 00'29.80W	5	R2-1	555
68			48.1	22.5	06/10/2014 18:44:46	39 27'39.77N 75 00'29.94W	5	W1-7	555
69	553	261	117	62.1	06/10/2014 18:46:00	39 27'38.81N 75 00'30.99W	5	R1-1	555
70			380	161	06/10/2014 18:48:01	39 27'28.55N 75 00'34.98W	8	W1-7	555
71	790	325	197	81.7	06/10/2014 18:50:05	39 27'13.97N 75 00'40.97W	6	R1-1	555
72			506	220	06/10/2014 18:51:40	39 27'11.15N 75 00'42.29W	7	W3-3	555
73			534	308	06/10/2014 18:54:38	39 27' 7.10N 75 00'44.05W	6	r3-7I	555
74			581	338	06/10/2014 18:55:46	39 27' 6.55N 75 00'44.65W	6	r3-7I	555
75			23.7	10	06/10/2014 18:57:13	39 27' 4.03N 75 00'45.35W	7	R2-1	555
76			374	226	06/10/2014 18:58:36	39 26'59.73N 75 00'47.39W	6	R2-1	555
77			4.2	2.2	06/10/2014 19:00:44	39 26'45.74N 75 00'53.95W	6	r3-8*	555
78			63.5	27.7	06/10/2014 19:00:58	39 26'45.70N 75 00'53.86W	6	R7-19	555
79			1.6	1.1	06/10/2014 19:02:23	39 26'45.11N 75 00'54.19W	6	r3-8*	555
80	380	186	109	53.2	06/10/2014 19:05:48	39 26'31.90N 75 01' 0.08W	6	R1-1	555
81			75.8	32.3	06/10/2014 19:06:23	39 26'31.79N 75 01' 0.04W	7	R2-1	555
82			50.5	24.9	06/10/2014 19:07:15	39 26'29.14N 75 01' 1.72W	7	W3-3	555
83			599	240	06/10/2014 19:08:18	39 26'23.07N 75 01' 3.82W	7	r3-7I	555
84			668	248	06/10/2014 19:09:27	39 26'21.71N 75 01' 4.64W	7	r3-7I	555
85			77.8	33.5	06/10/2014 19:10:25	39 26'12.68N 75 01' 8.15W	12	R2-1	555
86	820	223	85.1	30	06/10/2014 19:12:13	39 26' 8.03N 75 01'10.50W	7	R1-1	555
87	295	148	91.9	44.9	06/10/2014 19:13:55	39 25'58.52N 75 01'14.65W	7	R1-1	555
88	520	256	98.4	50.1	06/10/2014 19:15:57	39 25'49.54N 75 01'18.41W	7	R1-1	555
89			4.6	3.2	06/10/2014 19:17:22	39 25'44.89N 75 01'21.15W	7	W2-2	555
90			572	229	06/10/2014 19:18:32	39 25'41.11N 75 01'22.96W	7	r3-7I	555
91			523	199	06/10/2014 19:19:43	39 25'37.46N 75 01'24.99W	8	W1-2 L	555
92			255	174	06/10/2014 19:21:10	39 25'33.35N 75 01'26.95W	7	W1-8 L	555
93			260	178	06/10/2014 19:21:54	39 25'32.85N 75 01'27.14W	6	W1-8 L	555
94			275	183	06/10/2014 19:22:08	39 25'32.83N 75 01'27.06W	6	W1-8 L	555
95			237	165	06/10/2014 19:22:28	39 25'32.56N 75 01'27.14W	6	W1-8 L	555
96			260	179	06/10/2014 19:22:45	39 25'32.41N 75 01'27.20W	6	W1-8 L	555
97	69.2	33.6	26.8	13.2	06/10/2014 19:24:03	39 25'31.55N 75 01'27.03W	7	R1-1	555
98			520	259	06/10/2014 19:25:17	39 25'29.40N 75 01'26.77W	8	W1-7	555
99			382	187	06/10/2014 19:31:18	39 25'17.84N 75 01'35.17W	15	W2-2	555
100	200	67.2	23.5	9.4	06/10/2014 19:32:51	39 25'16.01N 75 01'36.07W	9	R1-1	555

101			533	241	06/10/2014 19:33:22	39 25'15.81N 75 01'36.02W	6	r3-8*	555
102			69.4	27.7	06/10/2014 19:34:41	39 25'13.74N 75 01'36.95W	9	R2-1	555
103			274	183	06/10/2014 19:36:02	39 25'12.41N 75 01'37.86W	9	W1-7	555
104			278	184	06/10/2014 19:36:18	39 25'12.42N 75 01'37.77W	9	W1-7	555
105	396	247	76.1	49.7	06/10/2014 19:38:54	39 25' 0.97N 75 01'44.63W	9	R1-1	555
106	354	226	85.5	59	06/10/2014 19:40:22	39 24'55.86N 75 01'47.08W	7	R1-1	555
107	446	210	85.9	46.3	06/10/2014 19:42:47	39 24'53.15N 75 01'49.02W	7	r1-1	555
108			19.6	8.7	06/10/2014 19:44:03	39 24'52.19N 75 01'49.11W	10	W2-2	555

PS Datum
100

Msrmt Number	0.2 Alpha Legend	0.5 Alpha Legend	0.2 Alpha Bkgrnd	0.5 Alpha Bkgrnd	Date/Time	Latitude	Longitude	Position Accuracy (m)	Barcode	Standard Comments	User Comment	Route #
1	447	223	55.2	34.1	05/19/2014 16:21:12	27.9356°N	20.7842°W	10	R1-1			602
2	379	179	124	61.8	05/19/2014 16:22:56	27.9398°N	20.7919°W	9	R1-1			602
3			0.4	0.3	05/19/2014 16:27:46	27.9648°N	20.7432°W	10	W1-2 R			602
4	11.2	3.4	37	14.6	05/19/2014 16:31:03	27.9840°N	20.6974°W	7	W3-1			602
5			15.1	7.3	05/19/2014 16:33:17	28.0064°N	20.5422°W	6	W1-2 L			602
6			33.7	15.9	05/19/2014 16:37:22	28.0064°N	20.5422°W	4	W13-1P			602
7	561	255	112	56.1	05/19/2014 16:38:59	27.9975°N	19.4615°W	4	R1-1			602
8			89.7	37.3	05/19/2014 16:40:08	27.9969°N	19.4727°W	5	W1-7			602
9			389	185	05/19/2014 17:03:51	23.3845°N	20.3245°W	6	W1-7			607
10	658	228	75.4	30	05/19/2014 17:05:38	23.3877°N	20.3310°W	4	R1-1			607
11			4.1	3.3	05/19/2014 17:07:46	23.3044°N	20.2813°W	7	R2-1			607
12			45.4	17.6	05/19/2014 17:08:58	23.3058°N	20.2761°W	8	W14-2			607
13			68.4	33.3	05/19/2014 17:10:33	23.2809°N	20.2619°W	6	R2-1			607
14			0.3	0.2	05/19/2014 17:12:04	23.2176°N	20.2074°W	6	W14-1			607
15	10.4	5.6	8.4	5.2	05/19/2014 17:15:55	23.2984°N	20.2889°W	5	R1-1			641
16			37.5	19.9	05/19/2014 17:19:48	23.2251°N	20.4534°W	7	R2-1			641
17			69.3	34.2	05/19/2014 17:21:45	23.1904°N	20.5173°W	8	R2-1			641
18			16.4	8.6	05/19/2014 17:24:00	23.1259°N	20.9079°W	4	W1-2 R			641
19	132	65.6	480	214	05/19/2014 17:26:34	23.1225°N	20.9637°W	5	W3-1			641
20	305	183	65.2	37.1	05/19/2014 17:28:06	23.1244°N	20.9848°W	4	R1-1			641
21			38.1	17.7	05/19/2014 17:28:39	23.1212°N	20.9864°W	5	W14-1			641
22	705	262	164	78	05/19/2014 17:31:47	23.4328°N	20.9726°W	12	R1-1			641
23			72.7	34.2	05/19/2014 17:33:15	23.4180°N	20.9687°W	6	R2-1			741
24	21.7	12.6	5.6	3.4	05/19/2014 17:34:52	23.4402°N	20.9709°W	7	R1-1			741
25			57.3	27.8	05/19/2014 17:45:45	23.4402°N	20.9709°W	9	W1-7			741
26	5.6	3.1	5.2	2.7	05/19/2014 17:53:51	24.4023°N	23.8001°W	5	R1-1			642
27			20.1	8.4	05/19/2014 17:56:09	24.5645°N	23.8300°W	8	W3-1			642
28			300	146	05/19/2014 17:57:21	24.6424°N	23.7765°W	12	W1-1 R			642
29			445	198	05/19/2014 17:58:32	24.6432°N	23.7513°W	10	W13-1P			642
30			454	207	05/19/2014 18:00:48	24.6432°N	23.7513°W	5	W1-1 L			642
31			278	190	05/19/2014 18:02:41	24.6524°N	23.6765°W	8	W1-1 L			642
32			506	207	05/19/2014 18:04:32	24.7440°N	23.5667°W	12	W1-3 L			642

33			454	207	05/19/2014 18:09:05	24.7440'N 23.5667'W	7	W13-1P	642
34	461	233	104	45.6	05/19/2014 18:26:36	25.0022'N 22.4949'W	10	R1-1	642
35	463	191	22.1	12.2	05/19/2014 18:29:12	28.6533'N 17.1940'W	7	R1-1	661
36	218	191	81.1	57.1	05/19/2014 18:32:30	29.3155'N 17.2764'W	7	R1-1	661

iPS Datum

100

Msrmt Number	0.2 Alpha Legend	0.5 Alpha Legend	0.2 Alpha Bkgnd	0.5 Alpha Bkgnd	Date/Time	Latitude	Longitude	Position Accuracy (m)	Barcode	Standard Comments	User Comment	Route
1			251	171	06/14/2014 08:00:39	39 18'34.09N	75 12'58.23W	14	W1-1 L			610
2			63.4	28.2	06/14/2014 08:00:49	39 18'34.04N	75 12'58.25W	14	W13-1P			610
3	110	38.7	4.2	1.7	06/14/2014 08:01:48	39 18'33.97N	75 12'53.06W	12	R1-1			610
4			257	176	06/14/2014 08:02:55	39 18'34.09N	75 12'52.25W	13	W1-8 R			610
5			280	189	06/14/2014 08:03:19	39 18'34.47N	75 12'51.82W	12	W1-7			610
6			1.3	1.1	06/14/2014 08:04:18	39 18'35.49N	75 12'51.61W	10	R2-1			610
7			285	189	06/14/2014 08:05:05	39 18'38.45N	75 12'50.77W	11	W1-1 R			610
8			62.2	28.7	06/14/2014 08:05:19	39 18'38.45N	75 12'50.77W	12	W13-1P			610
9			2.9	2.7	06/14/2014 08:06:42	39 18'43.93N	75 12'48.22W	14	R2-1			610
10			0.8	0.5	06/14/2014 08:08:37	39 19' 9.59N	75 12'40.46W	11	W1-2 R			610
11	37.5	20.2	3.2	1.9	06/14/2014 08:10:41	39 19'18.73N	75 12'38.51W	6	R1-1			610
12			50	26.8	06/14/2014 08:12:00	39 19'38.86N	75 12'38.01W	7	W1-2 R			610
13			225	146	06/14/2014 08:12:51	39 19'47.05N	75 12'36.32W	7	W1-1 R			610
14			16.2	9.5	06/14/2014 08:13:13	39 19'46.99N	75 12'36.37W	6	W13-1P			610
15			380	234	06/14/2014 08:14:05	39 19'49.02N	75 12'35.41W	5	W1-2 L			610
16			0.1	0	06/14/2014 08:14:17	39 19'49.06N	75 12'35.37W	5	W13-1P			610
17			7.6	3.8	06/14/2014 08:15:04	39 19'50.44N	75 12'34.43W	6	W1-8 L			610
18			39.2	18.6	06/14/2014 08:15:19	39 19'50.68N	75 12'34.43W	6	W1-8 R			610
19			14.6	7.4	06/14/2014 08:15:29	39 19'50.64N	75 12'34.39W	6	W1-8 L			610
20			11.8	6.2	06/14/2014 08:15:41	39 19'50.69N	75 12'34.32W	6	W1-8 R			610
21			33.3	16.1	06/14/2014 08:16:12	39 19'50.68N	75 12'34.01W	6	W1-8 R			610
22			34.9	16.6	06/14/2014 08:16:33	39 19'50.72N	75 12'33.73W	7	W1-8 R			610
23	262	217	10.1	9.2	06/14/2014 08:18:03	39 19'51.01N	75 12'32.45W	6	R1-1			610
24			155	99.2	06/14/2014 08:19:13	39 19'52.40N	75 12'26.15W	5	W1-1 L			610
25			0.4	0.3	06/14/2014 08:19:30	39 19'52.38N	75 12'26.17W	5	W13-1P			610
26			1.9	1.6	06/14/2014 08:20:22	39 19'52.63N	75 12'24.49W	6	R2-1			610
27			0.2	0.2	06/14/2014 08:21:42	39 19'54.97N	75 12'13.48W	8	R2-1			610
28	433	205	134	62.6	06/14/2014 08:22:30	39 19'55.32N	75 12'12.70W	8	R1-1			610
29			414	194	06/14/2014 08:29:59	39 19'55.07N	75 12'12.20W	4	R2-1			610
30			134	44.4	06/14/2014 08:32:38	39 19'56.77N	75 12' 4.52W	6	R8-3			610
31			58.8	31.2	06/14/2014 08:32:59	39 19'56.78N	75 12' 4.34W	6	R2-1			610
32			87.8	33.4	06/14/2014 08:33:45	39 19'56.69N	75 12' 3.19W	6	R8-3			610

33			210	66	06/14/2014 08:34:26	39 19'56.87N 75 12' 2.44W	7	R10-6	610
34			650	251	06/14/2014 08:35:32	39 19'57.57N 75 12' 0.83W	7	r10-6a	610
35			84.1	32.1	06/14/2014 08:37:14	39 19'57.85N 75 11'59.50W	8	r7-1	610
36			62.3	27.4	06/14/2014 08:37:58	39 19'57.85N 75 11'59.60W	8	r7-19	610
37	50.5	23.2	24.8	12.5	06/14/2014 08:41:46	39 19'58.28N 75 11'54.71W	7	R1-1	610
38	240	82.8	26.9	10.5	06/14/2014 08:42:34	39 19'58.69N 75 11'55.12W	7	R1-1	610
39			44.5	24	06/14/2014 08:54:03	39 19'59.71N 75 11'49.32W	6	R2-1	610
40			19.2	10.1	06/14/2014 08:55:41	39 20' 0.61N 75 11'42.73W	6	W11-8	610
41			19.9	9.9	06/14/2014 08:57:14	39 20' 1.60N 75 11'37.58W	7	w42-7	610
42			79.3	34.7	06/14/2014 08:58:36	39 20' 2.60N 75 11'34.88W	5	W3-5	610
43			22.3	9.7	06/14/2014 08:59:36	39 20' 3.35N 75 11'29.19W	7	w10-1	610
44			14.9	8.2	06/14/2014 09:00:52	39 20' 4.39N 75 11'25.86W	5	R2-1	610
45			61.9	31.2	06/14/2014 09:01:57	39 20' 4.70N 75 11'24.61W	4	w11-8	610
46	510	237	92.1	48.2	06/14/2014 09:03:44	39 20' 4.70N 75 11'22.12W	5	r1-1	610
47			79.4	38.6	06/14/2014 09:04:37	39 20' 5.08N 75 11'20.24W	7	R2-1	610
48	82.9	36	2.3	1.1	06/14/2014 09:06:02	39 20' 5.74N 75 11'19.57W	5	R1-1	610
49			10.5	4.8	06/14/2014 09:07:14	39 20' 6.27N 75 11'17.08W	5	w10-1	610
50			42.5	21.4	06/14/2014 09:09:08	39 20' 9.48N 75 10'59.14W	6	W2-1	610
51	351	221	77.1	50.7	06/14/2014 09:10:27	39 20'10.87N 75 10'50.77W	7	R1-1	610
52	518	214	85	35.4	06/14/2014 09:11:18	39 20'11.81N 75 10'51.60W	5	R1-1	610
53			49.9	23.7	06/14/2014 09:13:14	39 20'12.93N 75 10'43.79W	7	W2-1	610
54	9.9	6.5	7	4	06/14/2014 09:15:13	39 20'15.27N 75 10'35.52W	5	R1-1	610
55			75	40.3	06/14/2014 09:16:56	39 20'15.99N 75 10'30.15W	5	W2-2	610
56	329	197	66.2	40.2	06/14/2014 09:18:31	39 20'17.69N 75 10'23.50W	5	R1-1	610
57			485	222	06/14/2014 09:21:28	39 20'33.43N 75 09' 4.77W	12	W1-2 L	610
58	402	205	83	42.8	06/14/2014 09:22:54	39 20'35.24N 75 08'56.98W	9	R1-1	610
59	774	302	171	71.7	06/14/2014 09:23:29	39 20'35.32N 75 08'56.81W	8	R1-1	610
60			474	219	06/14/2014 09:25:33	39 20'38.41N 75 08'47.63W	12	W1-2 R	610
61			3.5	1.7	06/14/2014 09:26:27	39 20'44.46N 75 08'39.56W	12	S3-1	610
62	67.8	38.6	4	1.8	06/14/2014 09:28:36	39 20'54.31N 75 08'13.79W	9	R1-1	610
63			90.5	39.1	06/14/2014 09:29:20	39 20'57.25N 75 08' 9.32W	16	W2-3	610
64			312	207	06/14/2014 09:30:15	39 21' 1.78N 75 08' 1.39W	12	W1-8 R	610
65			299	196	06/14/2014 09:30:32	39 21' 1.90N 75 08' 1.43W	9	W1-8 L	610
66			390	170	06/14/2014 09:30:41	39 21' 1.91N 75 08' 1.44W	8	W1-7	610
67	395	257	95.1	58.7	06/14/2014 09:31:55	39 21' 1.40N 75 08' 3.92W	8	R1-1	610

68			52.4	22.1	06/14/2014 09:33:33	39 21' 2.54N	75 07'59.67W	14	W2-3	610
69			84.2	38.3	06/14/2014 09:35:48	39 21' 7.14N	75 07'50.93W	7	W2-3	610
70			342	181	06/14/2014 09:36:01	39 21' 7.31N	75 07'50.98W	7	W1-7	610
71			401	195	06/14/2014 09:36:34	39 21' 7.43N	75 07'50.90W	8	W1-8 L	610
72			480	242	06/14/2014 09:36:44	39 21' 7.27N	75 07'51.04W	8	W1-8 R	610
73			73.7	33.5	06/14/2014 09:39:14	39 21'10.45N	75 07'44.36W	9	W2-3	610
74			367	170	06/14/2014 09:40:55	39 21'23.70N	75 07'26.90W	17	W2-3	610
75	455	223	84.5	42.9	06/14/2014 09:42:17	39 21'23.35N	75 07'18.86W	11	R1-1	610
76			55.7	28.4	06/14/2014 09:44:17	39 21'25.59N	75 07'11.56W	8	W2-3	610
77			59.2	26.3	06/14/2014 09:45:58	39 21'45.80N	75 06'29.18W	11	W2-3	610
78			39.5	21.8	06/14/2014 09:47:29	39 21'48.45N	75 06'24.31W	9	R2-1	610
79			114	47.5	06/14/2014 09:48:36	39 21'48.77N	75 06'23.01W	7	S1-1	610
80			88.8	53	06/14/2014 09:50:00	39 21'51.04N	75 06'18.71W	8	W2-3	610
81			4.8	2.1	06/14/2014 09:50:38	39 21'52.76N	75 06'14.02W	11	R2-1	610
82			110	46.6	06/14/2014 09:52:57	39 21'56.33N	75 06' 7.30W	8	S1-1	610
83	103	54.1	310	154	06/14/2014 09:54:21	39 22' 5.84N	75 05'46.69W	9	W3-1	610
84	560	243	86.3	43	06/14/2014 09:55:47	39 22' 8.98N	75 05'40.03W	7	R1-1	610
85			21	15	06/14/2014 09:55:54	39 22' 9.03N	75 05'40.02W	7	R1-3P	610
86	511	233	81.8	41.5	06/14/2014 09:56:50	39 22' 9.95N	75 05'39.59W	6	R1-1	610
87			19.6	14.2	06/14/2014 09:57:02	39 22' 9.85N	75 05'39.54W	5	R1-3P	610
88	451	222	101	57.8	06/14/2014 09:59:18	39 22'11.87N	75 05'35.73W	8	R1-1	610
89	111	54.9	294	133	06/14/2014 10:00:51	39 22'13.06N	75 05'32.30W	9	W3-1	610
90			39.4	13.7	06/14/2014 10:02:28	39 22'19.20N	75 05'19.99W	7	R2-1	610
91	95.1	74.2	37.7	27	06/14/2014 10:03:19	39 22'19.69N	75 05'19.07W	7	r1-1	610
92			1.9	1.5	06/14/2014 10:04:53	39 22'21.49N	75 05'13.97W	11	R2-1	610
93			7.2	4.4	06/14/2014 10:07:54	39 22'40.63N	75 04'34.97W	16	W2-2	610
94	457	205	86.9	42	06/14/2014 10:09:21	39 22'43.11N	75 04'28.14W	7	R1-1	610
95	494	220	444	213	06/14/2014 10:10:53	39 22'47.71N	75 04'20.12W	9	W3-5	610
96	133	94.6	45.9	31.5	06/14/2014 10:12:01	39 22'48.82N	75 04'18.97W	10	R1-1	610
97			8	5.4	06/14/2014 10:12:54	39 22'48.89N	75 04'17.23W	9	w2-2	610
98			265	177	06/14/2014 10:14:14	39 22'51.83N	75 04'11.15W	7	W1-7	610
99			16.2	8.5	06/14/2014 10:15:09	39 22'51.62N	75 04'12.41W	7	R2-1	610
100	540	236	115	53.1	06/14/2014 10:16:12	39 22'52.22N	75 04'11.96W	7	R1-1	610
101			630	247	06/14/2014 10:17:31	39 22'52.13N	75 04'10.57W	8	R2-1	610
102			5.2	2	06/14/2014 10:19:44	39 22'54.26N	75 04' 6.59W	9	W2-2	610

103	314	189	82	52.8	06/14/2014 10:20:43	39 22'55.64N	75 04' 2.39W	8	R1-1	610
104	528	266	107	59.2	06/14/2014 10:22:35	39 22'56.80N	75 04' 2.24W	8	R1-1	610
105	67.9	29.1	20.8	7.5	06/14/2014 10:24:32	39 22'57.35N	75 03'58.54W	13	R1-1	610
106	35.6	16.9	12.3	5.1	06/14/2014 10:26:17	39 22'59.97N	75 03'53.86W	18	R1-1	610
107	99.7	73.5	34.3	24	06/14/2014 10:27:59	39 23' 1.47N	75 03'52.61W	8	R1-1	610
108	200	63.3	29.8	10.5	06/14/2014 10:29:38	39 23' 2.36N	75 03'48.00W	14	R1-1	610
109	441	188	103	49.2	06/14/2014 10:31:25	39 23' 4.32N	75 03'46.29W	11	R1-1	610
110			30.1	11.8	06/14/2014 10:33:15	39 23'10.56N	75 03'32.23W	10	R2-1	610
111	76.8	61.6	35.9	27.1	06/14/2014 10:33:44	39 23'10.79N	75 03'32.23W	12	R1-1	610
112			20.1	10.6	06/14/2014 10:35:47	39 23'13.10N	75 03'27.75W	19	S1-1	610
113	16.9	9.7	18.1	9.7	06/14/2014 10:37:02	39 23'15.94N	75 03'20.29W	13	R1-1	610
114			11.8	5.8	06/14/2014 10:38:08	39 23'15.75N	75 03'20.60W	12	S1-1	610
115			509	239	06/14/2014 10:38:27	39 23'15.85N	75 03'20.20W	13	W1-7	610
116	551	247	115	55.7	06/14/2014 10:39:05	39 23'16.43N	75 03'20.73W	13	R1-1	610
117			11.4	5.6	06/14/2014 10:39:34	39 23'16.43N	75 03'20.06W	10	S1-1	610
118	361	230	87	58.7	06/14/2014 10:40:22	39 23'16.64N	75 03'17.78W	7	R1-1	610
119			44.2	19.2	06/14/2014 10:41:07	39 23'18.15N	75 03'16.66W	6	S1-1	610
120	426	183	112	53.1	06/14/2014 10:42:12	39 23'18.35N	75 03'14.17W	7	R1-1	610
121	325	201	39.1	25.5	06/14/2014 10:43:30	39 23'20.59N	75 03'10.15W	9	R1-1	610
122			529	177	06/14/2014 10:44:30	39 23'21.05N	75 03' 9.58W	10	W11-8	610
123	508	231	433	219	06/14/2014 10:46:01	39 23'22.27N	75 03' 6.89W	7	w3-5	610
124	24.8	15.1	9.6	6.1	06/14/2014 10:49:37	39 23'23.65N	75 03' 4.12W	7	R1-1	610
125			599	251	06/14/2014 10:50:47	39 23'24.91N	75 03' 1.00W	7	R2-1	610
126			601	219	06/14/2014 10:51:17	39 23'25.31N	75 03' 0.90W	6	W11-8	610
127			643	256	06/14/2014 10:52:01	39 23'26.26N	75 02'59.74W	6	R2-1	610
128	489	219	109	51.2	06/14/2014 10:53:33	39 23'27.43N	75 02'55.70W	6	R1-1	610
129	463	213	104	50	06/14/2014 10:54:08	39 23'28.38N	75 02'55.57W	6	R1-1	610
130			20.6	12	06/14/2014 10:54:46	39 23'27.92N	75 02'55.22W	6	W1-7	610
131	459	213	456	241	06/14/2014 10:56:04	39 23'30.70N	75 02'49.55W	6	W3-5	610
132	201	63.1	34.4	12.2	06/14/2014 10:56:59	39 23'30.90N	75 02'50.11W	6	R1-1	610
133	259	254	14.9	11.8	06/14/2014 10:59:12	39 23'32.55N	75 02'44.35W	8	R1-1	610
134			9.6	4.6	06/14/2014 10:59:30	39 23'32.95N	75 02'44.06W	8	R2-1	610
135			13.7	6	06/14/2014 11:00:17	39 23'32.96N	75 02'44.95W	6	R2-1	610
136			36	21	06/14/2014 11:01:59	39 23'35.52N	75 02'42.01W	7	R2-1	610
137	123	86.7	45.4	29.9	06/14/2014 11:02:58	39 23'37.32N	75 02'41.25W	7	R1-1	610

138			0.2	0.1	06/14/2014 11:03:52	39 23'37.00N 75 02'42.34W	7	W3-3	610
139	529	222	61.5	26.9	06/14/2014 11:04:20	39 23'37.61N 75 02'42.25W	8	R1-1	610
140			158	103	06/14/2014 11:05:10	39 23'38.24N 75 02'41.07W	8	S1-1	610
141			223	79.3	06/14/2014 11:05:48	39 23'39.02N 75 02'40.59W	7	r3-8*	610
142			184	116	06/14/2014 11:06:48	39 23'39.86N 75 02'39.95W	8	S1-1	610
143	496	229	92	49.3	06/14/2014 11:07:16	39 23'40.44N 75 02'39.71W	8	R1-1	610
144	108	82.3	41.6	28.9	06/14/2014 11:07:57	39 23'40.58N 75 02'40.85W	6	R1-1	610
145			269	184	06/14/2014 11:08:49	39 23'41.11N 75 02'39.99W	7	S1-1	610
146			77.9	33.4	06/14/2014 11:09:38	39 23'42.57N 75 02'39.65W	7	R2-1	610
147			310	200	06/14/2014 11:10:10	39 23'43.03N 75 02'39.62W	8	S1-1	610
148			176	58.2	06/14/2014 11:10:51	39 23'43.55N 75 02'39.33W	9	S1-1	610
149			245	79.2	06/14/2014 11:11:08	39 23'43.50N 75 02'39.52W	9	r3-8*	610
150			219	78.9	06/14/2014 11:12:21	39 23'42.61N 75 02'39.55W	9	r3-8*	610
151			146	47.7	06/14/2014 11:13:11	39 23'41.40N 75 02'39.52W	11	S1-1	610
152			50.7	24.8	06/14/2014 12:14:38	39 23'57.03N 75 03'40.37W	9	W1-7	608
153			24.8	11.9	06/14/2014 12:14:53	39 23'57.03N 75 03'40.32W	6	w1-7	608
154	193	64.3	28.9	10.8	06/14/2014 12:15:59	39 23'59.88N 75 03'43.54W	10	R1-1	608
155			65.3	29.8	06/14/2014 12:16:20	39 23'59.54N 75 03'43.53W	11	w2-1	608
156			169	61.7	06/14/2014 12:16:59	39 23'59.58N 75 03'43.96W	11	W3-3	608
157			14.6	8.5	06/14/2014 12:17:50	39 24' 0.52N 75 03'45.26W	10	W1-2 R	608
158			324	214	06/14/2014 12:19:12	39 24' 3.16N 75 03'46.13W	28	S1-1	608
159			93.9	43.8	06/14/2014 12:20:19	39 24' 6.31N 75 03'53.57W	14	R2-1	608
160			302	130	06/14/2014 12:21:26	39 24' 9.41N 75 03'58.46W	7	R2-1	608
161			60.5	24.9	06/14/2014 12:22:50	39 24'16.05N 75 04' 7.66W	11	W1-2 L	608
162			74.1	41.1	06/14/2014 12:24:04	39 24'17.44N 75 04' 9.81W	9	R2-1	608
163	495	216	81.1	38.9	06/14/2014 12:24:48	39 24'20.18N 75 04'14.13W	13	R1-1	608
164			114	47.3	06/14/2014 12:25:41	39 24'22.03N 75 04'17.65W	9	R2-1	608
165			24.5	11.3	06/14/2014 12:26:28	39 24'22.87N 75 04'19.43W	11	W1-2 R	608
166	514	223	435	212	06/14/2014 12:27:52	39 24'27.29N 75 04'28.38W	12	W3-5	608
167			53.4	21.2	06/14/2014 12:29:27	39 24'36.65N 75 04'46.75W	11	S3-1	608
168			536	245	06/14/2014 12:30:41	39 24'39.49N 75 04'51.85W	19	R2-1	608
169	10.5	6.3	4.1	2.5	06/14/2014 12:31:11	39 24'39.41N 75 04'52.95W	11	R1-1	608
170			47.9	22.9	06/14/2014 12:32:21	39 24'43.84N 75 05' 1.70W	16	S3-1	608
171			35.7	15.9	06/14/2014 12:33:34	39 24'45.53N 75 05' 3.92W	13	W11-10	608
172			45.9	18.7	06/14/2014 12:34:29	39 24'46.67N 75 05' 6.34W	11	S3-1	608

173	19.3	12	5.4	3.5	06/14/2014 12:36:23	39 24'50.60N 75 05'15.31W	7	R1-1	608
174			309	204	06/14/2014 12:38:16	39 24'53.44N 75 05'20.10W	12	W11-2	608
175			336	220	06/14/2014 12:38:29	39 24'53.33N 75 05'20.26W	10	W13-1P	608
176			47	19.2	06/14/2014 12:39:46	39 24'57.28N 75 05'26.77W	12	S3-1	608
177	384	233	85.9	56.1	06/14/2014 12:41:11	39 25' 3.16N 75 05'37.73W	9	R1-1	608
178			62.6	31.7	06/14/2014 12:42:42	39 25'10.64N 75 05'48.05W	13	R2-1	608
179			84.4	40	06/14/2014 12:45:47	39 25'26.71N 75 06'13.76W	8	R2-1	608
180			72	32.3	06/14/2014 12:46:40	39 25'27.89N 75 06'16.76W	7	R2-1	608
181	55.4	20.6	12.8	3.8	06/14/2014 12:48:33	39 25'32.98N 75 06'25.29W	6	R5-1	608
182	235	126	111	58.8	06/14/2014 12:48:50	39 25'32.86N 75 06'25.53W	5	R1-1	608
183			45.8	25.3	06/14/2014 12:49:58	39 25'33.28N 75 06'25.81W	6	R6-1 L	608
184			89.9	37.2	06/14/2014 12:50:16	39 25'33.23N 75 06'25.90W	6	R6-1 R	608
185			90.4	40.5	06/14/2014 12:52:46	39 25'54.97N 75 07' 0.68W	10	W12-1	608
186			130	48.3	06/14/2014 12:53:13	39 25'54.71N 75 07' 0.56W	9	R6-1 L	608
187	304	197	87.1	59	06/14/2014 12:53:59	39 25'53.70N 75 06'59.27W	8	R5-1	608
188	543	287	111	66.6	06/14/2014 12:54:27	39 25'53.35N 75 06'58.92W	7	R5-1	608
189			85.6	36.3	06/14/2014 12:54:46	39 25'53.35N 75 06'58.78W	7	R4-7	608
190			95.8	42.2	06/14/2014 12:54:53	39 25'53.32N 75 06'58.87W	7	R4-7A	608
191			335	220	06/14/2014 12:55:02	39 25'53.39N 75 06'59.03W	7	W1-8 R	608
192	517	242	123	62.7	06/14/2014 12:55:21	39 25'53.35N 75 06'59.09W	7	R1-2	608
193			285	196	06/14/2014 12:55:30	39 25'53.46N 75 06'59.03W	7	W1-8 R	608
194			318	204	06/14/2014 12:55:40	39 25'53.63N 75 06'59.02W	7	W1-8 R	608
195	617	227	185	77.1	06/14/2014 12:56:02	39 25'53.86N 75 06'58.72W	6	R1-1	608
196	416	174	111	55.9	06/14/2014 12:56:40	39 25'53.61N 75 06'58.43W	7	R1-1	608
197			273	190	06/14/2014 12:57:02	39 25'54.19N 75 06'58.37W	6	W1-7	608
198			0.2	0.1	06/14/2014 12:59:26	39 25'58.31N 75 07' 4.64W	7	W8-5	608
199			66.9	31.8	06/14/2014 12:59:33	39 25'58.25N 75 07' 4.75W	7	W13-1P	608
200	61.2	21.4	60.6	29	06/14/2014 12:59:53	39 25'58.16N 75 07' 4.66W	7	W3-1	608
201			61	27.1	06/14/2014 13:00:14	39 25'57.79N 75 07' 4.77W	8	R2-1	608
202			56.9	23	06/14/2014 13:01:18	39 25'59.11N 75 07' 6.45W	9	W2-3	608
203			509	230	06/14/2014 13:03:05	39 26' 1.52N 75 07'10.48W	7	W1-8 R	608
204			505	233	06/14/2014 13:03:15	39 26' 1.68N 75 07'10.46W	7	W1-8 R	608
205			457	203	06/14/2014 13:03:25	39 26' 1.78N 75 07'10.44W	6	W1-8 R	608
206	602	283	146	74.6	06/14/2014 13:04:09	39 26' 2.80N 75 07'10.54W	6	R1-2	608
207	506	296	95.1	53.4	06/14/2014 13:04:56	39 26' 3.12N 75 07' 9.70W	5	R1-1	608

208	90.8	40	16.1	5.9	06/14/2014 13:05:26	39 26' 2.98N	75 07' 9.26W	6	R1-2	608
209	35	26	11.4	6.4	06/14/2014 13:05:44	39 26' 2.94N	75 07' 9.28W	6	R5-1	608

PS Datum
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Msrmt Number	0.2 Alpha Legend	0.5 Alpha Legend	0.2 Alpha Bkgrnd	0.5 Alpha Bkgrnd	Date/Time	Latitude	Longitude	Position Accuracy (m)	Barcode	Standard Comments	User Comment	Route
1			35.4	18.8	05/24/2014 07:04:33	39 13.1050'N	74 57.6238'W	69	R2-1			616
2			53.2	19.4	05/24/2014 07:05:09	39 13.0995'N	74 57.6820'W	124	W11-3			616
3	519	228	10.2	6.1	05/24/2014 07:06:52	39 13.1304'N	74 57.8271'W	12	R1-1			616
4	330	196	15.6	10.8	05/24/2014 07:07:41	39 13.1259'N	74 57.8256'W	12	R1-1			616
5			72.7	33.6	05/24/2014 07:10:17	39 13.1464'N	74 57.9390'W	6	R2-1			616
6			328	217	05/24/2014 07:10:58	39 13.1517'N	74 57.9486'W	7	W11-2			616
7			329	220	05/24/2014 07:12:03	39 13.1513'N	74 57.9465'W	10	w11-2p			616
8			55.2	27.4	05/24/2014 07:13:03	39 13.1506'N	74 57.9787'W	14	S3-1			616
9			0.9	0.6	05/24/2014 07:13:50	39 13.1609'N	74 58.0090'W	15	W1-2 L			616
10			60.2	24.6	05/24/2014 07:14:26	39 13.1623'N	74 58.0056'W	17	W13-1P			616
11			348	230	05/24/2014 07:16:00	39 13.1729'N	74 58.1717'W	9	W11-2			616
12			352	237	05/24/2014 07:16:40	39 13.1783'N	74 58.1721'W	7	w11-2p			616
13			81.7	28.1	05/24/2014 07:17:26	39 13.1696'N	74 58.2369'W	11	R2-1			616
14			50.9	21.5	05/24/2014 07:18:37	39 13.1605'N	74 58.2634'W	14	W1-2 R			616
15			362	170	05/24/2014 07:21:30	39 13.1533'N	74 58.3451'W	14	w8-18			616
16			62	49.1	05/24/2014 07:24:01	39 13.0571'N	74 59.1072'W	7	w8-18			616
17			63.4	28.8	05/24/2014 07:25:01	39 13.0556'N	74 59.2135'W	9	S3-1			616
18			0.5	0.3	05/24/2014 07:26:11	39 13.0516'N	74 59.2854'W	9	W2-2			616
19	681	295	139	64.6	05/24/2014 07:29:11	39 13.0485'N	74 59.3324'W	10	R1-1			616
20	69.3	26.7	19.4	5.2	05/24/2014 07:30:11	39 13.0420'N	74 59.3453'W	7	R1-1			616
21			1.3	0.7	05/24/2014 07:30:57	39 13.0494'N	74 59.3474'W	7	W1-7			616
22			1	0.6	05/24/2014 07:33:07	39 13.0516'N	74 59.3768'W	9	W2-2			616
23			68.2	30.6	05/24/2014 07:35:29	39 13.0512'N	74 59.4172'W	9	S3-1			616
24			0.2	0.1	05/24/2014 07:36:02	39 13.0530'N	74 59.4250'W	10	W2-2			616
25			69.8	30.5	05/24/2014 07:37:10	39 13.0511'N	74 59.4785'W	8	R2-1			616
26			361	175	05/24/2014 07:38:21	39 13.0536'N	74 59.5021'W	8	W1-7			616
27	436	224	35.3	18.1	05/24/2014 07:39:25	39 13.0505'N	74 59.4977'W	8	R1-1			616
28	353	216	98.2	61.9	05/24/2014 07:43:48	39 13.6596'N	74 59.5507'W	7	R1-1			736
29	195	198	0.6	0.5	05/24/2014 08:03:49	39 17.2792'N	75 0.5567'W	8	R1-1			676
30	88.9	36.8	19.1	8.5	05/24/2014 08:04:37	39 17.2782'N	75 0.5575'W	8	R5-1			676
31	394	163	11.2	6.5	05/24/2014 08:05:35	39 17.2765'N	75 0.5594'W	8	R1-1			676
32			0.2	0.2	05/24/2014 08:07:10	39 17.2999'N	75 0.5426'W	6	R2-1			676

33			15.9	6.8	05/24/2014 08:09:12	39 17.3138'N	75 0.6523'W	9	W3-1	676
34			0.4	0.3	05/24/2014 08:10:15	39 17.3245'N	75 0.7120'W	8	R2-1	676
35	350	185	73.8	39.6	05/24/2014 08:12:50	39 17.3349'N	75 0.7722'W	8	R1-1	676
36	112	58.6	465	234	05/24/2014 08:15:29	39 17.3833'N	75 1.0793'W	6	W3-1	676
37	113	58.2	492	228	05/24/2014 08:17:41	39 17.3949'N	75 1.1626'W	9		676
38			4.2	2.4	05/24/2014 08:18:39	39 17.3993'N	75 1.1762'W	10	R2-1	676
39	602	243	115	57.1	05/24/2014 08:20:02	39 17.4006'N	75 1.1768'W	10	R1-1	676
40	517	236	106	51.6	05/24/2014 08:22:10	39 17.3992'N	75 1.1755'W	8	R1-1	676
41	437	194	134	63.7	05/24/2014 08:32:38	39 14.8089'N	75 2.7337'W	7	R1-1	553
42	398	172	90.1	40.9	05/24/2014 08:33:27	39 14.8114'N	75 2.7342'W	6	R1-1	553
43			623	246	05/24/2014 08:36:38	39 14.8103'N	75 2.8404'W	6	R2-1	553
44			39.7	18.6	05/24/2014 08:37:12	39 14.8119'N	75 2.8390'W	6	R2-1	553
45	443	218	118	59.9	05/24/2014 08:38:50	39 14.8125'N	75 2.9170'W	6	R1-1	553
46	498	211	442	226	05/24/2014 08:40:04	39 14.8163'N	75 2.9313'W	7	W3-5	553
47			31.3	17	05/24/2014 08:42:33	39 14.8430'N	75 3.1975'W	3	R2-1	553
48			57.8	27.3	05/24/2014 08:44:18	39 14.8729'N	75 3.4637'W	5	W1-2 R	553
49			36.1	16.2	05/24/2014 08:44:40	39 14.8733'N	75 3.4644'W	4	W13-1P	553
50	392	176	87.6	44.4	05/24/2014 08:47:48	39 14.9180'N	75 3.6140'W	6	R1-1	553
51			478	229	05/24/2014 08:49:09	39 14.9504'N	75 3.6705'W	4	W1-2 L	553
52			513	216	05/24/2014 08:49:43	39 14.9570'N	75 3.6702'W	5	W13-1P	553
53			623	254	05/24/2014 08:51:09	39 14.9897'N	75 3.7105'W	5	R2-1	553
54	462	252	144	76.3	05/24/2014 08:53:45	39 15.0516'N	75 3.8012'W	4	R1-1	553
55			58.8	27	05/24/2014 08:54:53	39 15.0804'N	75 3.8368'W	4	W1-2 L	553
56			26.1	11.9	05/24/2014 08:55:44	39 15.0818'N	75 3.8387'W	4	W13-1P	553
57			645	261	05/24/2014 08:57:26	39 15.1279'N	75 3.9051'W	5	R2-1	553
58			87	41.1	05/24/2014 08:57:53	39 15.1265'N	75 3.9059'W	6	R6-1 R	553
59			112	45.7	05/24/2014 08:58:46	39 15.1325'N	75 3.9120'W	6	R6-1 L	553
60	1	0.7	0.8	0.5	05/24/2014 09:00:05	39 15.1447'N	75 3.9091'W	7	R1-2	553
61	12.7	7.9	6	3.5	05/24/2014 09:00:59	39 15.1452'N	75 3.9098'W	7	R5-1	553
62	34.2	18.3	7.1	3.7	05/24/2014 09:02:26	39 15.1420'N	75 3.9203'W	4	R1-1	553
63			62.4	27.3	05/24/2014 09:03:37	39 15.1525'N	75 3.9439'W	6	R2-1	553
64			477	221	05/24/2014 09:05:46	39 15.1836'N	75 4.0110'W	5	W1-2 R	553
65	521	214	401	197	05/24/2014 09:07:40	39 15.1957'N	75 4.0407'W	10	W3-5	553
66	246	81.1	24.7	9.5	05/24/2014 09:13:08	39 15.7210'N	75 5.0662'W	5	R1-1	553

67	491	250	70.8	36.2	05/24/2014 09:14:13	39 15.7242'N	75 5.0646'W	5		553
68			54.4	20.9	05/24/2014 09:15:49	39 15.8285'N	75 5.2695'W	7	W2-3	553
69	635	330	123	71.3	05/24/2014 09:18:14	39 15.8940'N	75 5.3996'W	4		553
70			57.5	26	05/24/2014 09:20:49	39 15.9225'N	75 5.4523'W	6		553
71			54.7	21.7	05/24/2014 09:21:53	39 15.9412'N	75 5.4987'W	4	W2-3	553
72			34.3	18.2	05/24/2014 09:22:53	39 15.9503'N	75 5.5113'W	4	R2-1	553
73	48.4	24.3	14.7	7.6	05/24/2014 09:29:30	39 15.9702'N	75 5.5262'W	3	R1-1	553
74			7.5	4.1	05/24/2014 09:36:21	39 15.9997'N	75 5.6297'W	7	R2-1	553
75			37.5	20.6	05/24/2014 09:37:25	39 15.9981'N	75 5.6320'W	5	W1-2 R	553
76			18.9	10.4	05/24/2014 09:38:50	39 16.0148'N	75 5.6970'W	4	R2-1	553
77			33.1	17.7	05/24/2014 09:39:26	39 16.0163'N	75 5.6948'W	4	R2-1	553
78			46.5	24.3	05/24/2014 09:41:21	39 16.1069'N	75 5.8941'W	6	R2-1	553
79			88.8	36.9	05/24/2014 09:42:02	39 16.1165'N	75 5.9064'W	6	W1-7	553
80	310	189	92.3	59.3	05/24/2014 09:43:01	39 16.1211'N	75 5.9058'W	5	R1-1	553
81					05/24/2014 09:43:01	39 16.1211'N	75 5.9058'W	5		553
82			37.2	19.9	05/24/2014 09:43:28	39 16.1228'N	75 5.9104'W	5		553
83	21.5	11.9	7	4	05/24/2014 09:47:25	39 16.1623'N	75 5.9714'W	6	R1-1	553
84	80.1	30.8	14.8	6.4	05/24/2014 09:49:01	39 16.1624'N	75 5.9682'W	5		553
85	27.7	14.9	7.2	4.2	05/24/2014 09:55:12	39 16.2079'N	75 6.0522'W	8	R1-1	553
86			96.8	38.4	05/24/2014 09:56:28	39 16.2268'N	75 6.0753'W	9	R2-1	553
87			44.8	23.2	05/24/2014 09:57:03	39 16.2198'N	75 6.0962'W	11	R2-1	553
88	21.5	12.3	5.8	3.4	05/24/2014 09:58:55	39 16.2321'N	75 6.0906'W	7		553
89	419	225	40.5	24	05/24/2014 10:01:41	39 16.2945'N	75 6.1707'W	7	R1-1	553
90	382	156	117	52.6	05/24/2014 10:03:21	39 16.3131'N	75 6.1780'W	6	R1-1	553
91			45.2	23.7	05/24/2014 10:08:26	39 16.3421'N	75 6.2278'W	7	R2-1	553
92			45.9	24.1	05/24/2014 10:09:45	39 16.4129'N	75 6.3245'W	8	R2-1	553
93			0.7	0.5	05/24/2014 10:10:38	39 16.4491'N	75 6.3723'W	5	W1-2 L	553
94			21.7	10	05/24/2014 10:11:02	39 16.4479'N	75 6.3715'W	5	W13-1P	553
95			264	170	05/24/2014 10:12:35	39 16.4613'N	75 6.3892'W	8	S3-1	553
96			54.3	27.1	05/24/2014 10:14:08	39 16.4926'N	75 6.4723'W	9	R2-1	553
97	233	77.6	23.8	9.6	05/24/2014 10:14:55	39 16.4970'N	75 6.4815'W	8		553
98			56	24.4	05/24/2014 10:15:33	39 16.5012'N	75 6.4812'W	6	W1-2 R	553
99			37.5	19.9	05/24/2014 10:16:48	39 16.5050'N	75 6.5166'W	7	R2-1	553
100			314	195	05/24/2014 10:18:19	39 16.5465'N	75 6.6010'W	6	S3-1	553

101	559	231	481	233	05/24/2014 10:19:25	39 16.5591'N	75 6.6264'W	7		553
102			6.9	3	05/24/2014 10:21:13	39 16.5920'N	75 6.6731'W	11	W1-4 L	553
103			61.4	25.8	05/24/2014 10:21:38	39 16.5929'N	75 6.6694'W	7	W13-1P	553
104			40.3	20.6	05/24/2014 10:23:37	39 16.7353'N	75 6.8663'W	12	W1-2 L	553
105			515	202	05/24/2014 10:24:19	39 16.7481'N	75 6.8904'W	7	W1-2 L	553
106			61	29.6	05/24/2014 10:25:20	39 16.7713'N	75 6.9386'W	8	W1-2 R	553
107	499	240	116	57.6	05/24/2014 10:27:17	39 16.8065'N	75 7.0260'W	7	R1-1	553
108	318	216	111	60.5	05/24/2014 10:28:30	39 16.8185'N	75 7.0385'W	8	R1-1	553
109			57.4	24.2	05/24/2014 10:30:08	39 16.8242'N	75 7.1321'W	7	W1-2 R	553
110	83	32.6	13.7	3.9	05/24/2014 10:33:59	39 16.8506'N	75 7.2414'W	5	R1-1	553
111	707	219	56.4	22.6	05/24/2014 10:36:59	39 16.9763'N	75 7.9316'W	6	R1-1	553
112	325	200	80.3	50.8	05/24/2014 10:38:46	39 16.9657'N	75 7.9533'W	8	R1-1	553
113	779	228	80.2	29.3	05/24/2014 10:40:11	39 16.9747'N	75 7.9758'W	8	R1-1	553
114	15.8	9	1	0.6	05/24/2014 10:46:40	39 17.1239'N	75 8.5302'W	5	R1-1	553
115			54	15	05/24/2014 10:48:25	39 17.2640'N	75 8.8643'W	14	R2-1	553
116	423	196	128	63.2	05/24/2014 10:53:10	39 17.5417'N	75 9.5632'W	5	R1-1	553
117			43.7	22.1	05/24/2014 10:54:35	39 17.6009'N	75 9.7090'W	9	W1-2 R	553
118			21.9	9.9	05/24/2014 10:54:56	39 17.5991'N	75 9.7095'W	9	W13-1P	553
119			10.3	4.8	05/24/2014 10:57:02	39 17.6115'N	75 9.7441'W	6	W11-3	553
120			519	256	05/24/2014 10:58:30	39 17.6611'N	75 9.8530'W	6	S3-1	553
121			493	242	05/24/2014 10:59:53	39 17.6627'N	75 9.8750'W	7	W16-9P	553
122	533	207	37.1	17.1	05/24/2014 11:00:54	39 17.6674'N	75 9.8772'W	9	R1-1	553
123			26.3	11.1	05/24/2014 11:01:52	39 17.6621'N	75 9.8805'W	8	W1-8 L	553
124			24.6	10.3	05/24/2014 11:02:38	39 17.6607'N	75 9.8800'W	7	W1-8 L	553
125	151	49.7	29.1	10.7	05/24/2014 11:11:05	39 20.0034'N	75 12.0853'W	11	R1-1	553
126	220	70.7	37.3	13.4	05/24/2014 11:13:03	39 20.0349'N	75 12.1308'W	5	R1-1	553
127			76	25.6	05/24/2014 11:14:12	39 20.0711'N	75 12.1535'W	4	W1-2 R	553
128	139	46.4	11.5	4.2	05/24/2014 11:15:46	39 20.1001'N	75 12.1785'W	4	R1-1	553
129			158	98.5	05/24/2014 11:17:26	39 20.1888'N	75 12.2155'W	5		553
130	366	228	0.9	0.7	05/24/2014 11:20:11	39 20.2814'N	75 12.2190'W	7	R1-1	553
131	211	69.8	26.4	9.6	05/24/2014 11:20:43	39 20.2813'N	75 12.2239'W	5	R1-1	553
132			4.1	3.3	05/24/2014 11:21:49	39 20.2819'N	75 12.2249'W	5		553
133			297	190	05/24/2014 11:22:47	39 20.2836'N	75 12.2249'W	5		553
134			285	184	05/24/2014 11:23:58	39 20.3106'N	75 12.2273'W	6		553

135			88.1	37.9	05/24/2014 11:25:57	39 20.4286'N	75 12.2350'W	5	R2-1	553
136			535	283	05/24/2014 11:26:48	39 20.4518'N	75 12.2384'W	5		553
137			149	47.6	05/24/2014 11:27:41	39 20.4501'N	75 12.2307'W	4	W1-1 L	553
138			138	45.9	05/24/2014 11:28:11	39 20.4491'N	75 12.2288'W	5	W13-1P	553
139			35.5	11.6	05/24/2014 11:30:41	39 20.4848'N	75 12.2332'W	6	S3-1	553
140			9.4	3.7	05/24/2014 11:31:49	39 20.5042'N	75 12.2363'W	4	W1-8 L	553
141			45.2	17.9	05/24/2014 11:32:17	39 20.5063'N	75 12.2384'W	4	W1-8 R	553
142			37	14.9	05/24/2014 11:33:02	39 20.5155'N	75 12.2412'W	4	W1-8 L	553
143			291	195	05/24/2014 11:33:28	39 20.5171'N	75 12.2406'W	5	W1-8 R	553
144	370	240	21.5	13.2	05/24/2014 11:34:15	39 20.5207'N	75 12.2455'W	4	R1-1	553
145	214	70.8	33.9	12.4	05/24/2014 11:35:21	39 20.5233'N	75 12.2423'W	4	R1-1	553
146			13.9	5.6	05/24/2014 11:36:12	39 20.5227'N	75 12.2515'W	5	W1-8 L	553
147			176	53.9	05/24/2014 11:36:51	39 20.5258'N	75 12.2564'W	5	W1-8 R	553
148			21.8	12.6	05/24/2014 11:37:17	39 20.5218'N	75 12.2531'W	5	R2-1	553
149	223	77.5	35.4	13.5	05/24/2014 11:40:45	39 20.5520'N	75 12.3077'W	4	R1-1	553
150			147	42.3	05/24/2014 11:41:23	39 20.5468'N	75 12.3117'W	4	S3-1	553
151			134	44.9	05/24/2014 11:43:05	39 20.5677'N	75 12.3475'W	5	W1-1 R	553
152			459	198	05/24/2014 11:45:19	39 20.5982'N	75 12.4059'W	5	R2-1	553
153			596	270	05/24/2014 11:47:11	39 20.6430'N	75 12.5028'W	5	R2-1	553
154	182	61.2	15.2	5.6	05/24/2014 11:47:49	39 20.6402'N	75 12.5037'W	5		553
155	501	217	456	221	05/24/2014 11:49:49	39 20.6930'N	75 12.5988'W	5	W3-5	553
156			1.8	0.9	05/24/2014 11:51:21	39 20.7415'N	75 12.6919'W	5	W1-2 R	553
157			68.1	31.6	05/24/2014 11:53:29	39 20.7470'N	75 12.7095'W	4	S3-1	553
158	207	69.9	13.8	5.1	05/24/2014 11:55:54	39 20.7728'N	75 12.7640'W	5	R1-1	553
159			88.6	38.9	05/24/2014 11:56:11	39 20.7716'N	75 12.7666'W	5	W12-1	553
160			479	220	05/24/2014 11:57:25	39 20.7657'N	75 12.7689'W	4	W1-8 L	553
161	210	73.7	45.2	17.5	05/24/2014 11:58:04	39 20.7672'N	75 12.7742'W	4	R1-2	553
162	213	73.9	42.7	15.7	05/24/2014 11:59:05	39 20.7677'N	75 12.7745'W	4	R5-1	553
163			250	78.7	05/24/2014 11:59:58	39 20.7706'N	75 12.7751'W	5	R6-1 L	553
164			239	71.3	05/24/2014 12:01:15	39 20.7850'N	75 12.7822'W	5		553
165			495	283	05/24/2014 12:01:56	39 20.7869'N	75 12.7844'W	5	W1-8 L	553
166			224	67.3	05/24/2014 12:04:13	39 20.8503'N	75 12.8244'W	5		553
167			154	48.8	05/24/2014 12:05:52	39 20.8721'N	75 12.8524'W	5	W1-2 L	553
168			71	31.5	05/24/2014 12:08:22	39 20.9342'N	75 12.8907'W	6	S3-1	553

169			52.3	25	05/24/2014 12:10:36	39 21.4760'N	75 13.3232'W	5	R2-1	553
170	524	258	102	53.3	05/24/2014 12:13:04	39 21.5733'N	75 13.4039'W	5	R1-1	553
171			27.1	10	05/24/2014 12:13:57	39 21.6112'N	75 13.4362'W	6	W1-2 L	553
172			28.4	10.6	05/24/2014 12:14:27	39 21.6107'N	75 13.4347'W	5	W13-1P	553
173			343	156	05/24/2014 12:16:13	39 21.6886'N	75 13.5050'W	5	W1-8 R	553
174			277	188	05/24/2014 12:16:32	39 21.6887'N	75 13.5042'W	5	W1-8 L	553
175			463	213	05/24/2014 12:17:59	39 21.6921'N	75 13.5046'W	5	W1-8 R	553
176			447	220	05/24/2014 12:18:32	39 21.6895'N	75 13.5033'W	5	W1-8 L	553
177	485	180	5.9	4.1	05/24/2014 12:19:26	39 21.6791'N	75 13.5036'W	5	R1-1	553
178	223	76.5	36.1	13.5	05/24/2014 12:20:10	39 21.6770'N	75 13.5031'W	6	R5-1	553
179			89.5	42.9	05/24/2014 12:20:41	39 21.6791'N	75 13.5020'W	5	R6-1 L	553
180	169	164	95	53.3	05/24/2014 12:22:02	39 21.6996'N	75 13.5088'W	5	R1-1	553
181			63.2	28.2	05/24/2014 12:23:24	39 21.7280'N	75 13.5030'W	5	R2-1	553
182			148	46.7	05/24/2014 12:25:24	39 21.8302'N	75 13.4970'W	5	W1-2 L	553
183			146	48.2	05/24/2014 12:26:25	39 21.8491'N	75 13.4930'W	5	W13-1P	553
184	182	60.8	12.5	4.6	05/24/2014 12:29:16	39 21.8932'N	75 13.4813'W	5	R1-1	553
185			42.3	18.5	05/24/2014 12:31:24	39 22.1906'N	75 13.4320'W	6	R2-1	553
186	543	225	464	228	05/24/2014 12:32:50	39 22.3017'N	75 13.4158'W	6	W3-5	553
187			518	262	05/24/2014 12:35:06	39 22.4383'N	75 13.3952'W	7	R2-1	553
188			42.2	22	05/24/2014 12:36:23	39 22.5304'N	75 13.3791'W	7	W1-2 L	553
189			68.3	30.6	05/24/2014 12:36:51	39 22.5315'N	75 13.3795'W	6	W13-1P	553
190	370	153	120	54.1	05/24/2014 12:39:59	39 22.6020'N	75 13.3750'W	6	R1-1	553
191			56	21.6	05/24/2014 12:40:19	39 22.6016'N	75 13.3742'W	6	W15-1	553
192			57.1	24	05/24/2014 12:40:53	39 22.6007'N	75 13.3737'W	5	w15-1p	553
193	277	169	89.8	43.4	05/24/2014 12:42:10	39 22.5929'N	75 13.3693'W	4	R1-1	553

PS Datum
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Msrmt Number	0.2 Alpha Legend	0.5 Alpha Legend	0.2 Alpha Bkgrnd	0.5 Alpha Bkgrnd	Date/Time	Latitude	Longitude	Position Accuracy (m)	Barcode	Standard Comments	User Comment	Route
1			45.7	22.9	06/23/2014 16:59:54	39 28'28.19N	75 18'13.93W	6	S3-1			617
2	17.8	8.5	41.7	21.7	06/23/2014 17:00:39	39 28'28.47N	75 18' 8.88W	6	W3-1			617
3	416	230	122	68.6	06/23/2014 17:01:53	39 28'28.83N	75 18' 3.70W	7	R1-1			617
4	444	211	104	57.7	06/23/2014 17:02:50	39 28'29.32N	75 18' 2.53W	8	r1-1			617
5			340	169	06/23/2014 17:04:30	39 28'29.17N	75 17'58.79W	9	w8-18			617
6	8.6	2.8	46.6	15	06/23/2014 17:06:07	39 28'29.54N	75 17'55.78W	7	W3-1			617
7			95.5	37.5	06/23/2014 17:08:00	39 28'36.61N	75 17'18.92W	10	W2-1			617
8			393	171	06/23/2014 17:09:10	39 28'37.72N	75 17'14.57W	10	w8-18			617
9	393	196	23.8	12.9	06/23/2014 17:10:07	39 28'38.32N	75 17'11.44W	8	R1-1			617
10			74	37.8	06/23/2014 17:12:06	39 28'39.97N	75 17' 3.85W	7	W2-1			617
11			6.6	3.8	06/23/2014 17:13:10	39 28'44.91N	75 16'50.00W	12	W1-4 L			617
12			13.4	6.2	06/23/2014 17:14:44	39 28'51.19N	75 16'39.97W	7	S3-1			617
13			30.1	23	06/23/2014 17:15:21	39 28'53.20N	75 16'36.90W	7	W2-2			617
14			44.4	20.7	06/23/2014 17:16:04	39 28'53.21N	75 16'37.43W	6	W1-4 L			617
15			49.8	23.7	06/23/2014 17:17:31	39 28'57.41N	75 16'30.67W	8	W1-7			617
16			30.8	16.7	06/23/2014 17:17:38	39 28'57.44N	75 16'30.68W	7	W1-8 R			617
17			31.5	17.3	06/23/2014 17:17:47	39 28'57.46N	75 16'30.66W	6	W1-8 L			617
18	137	142	23.7	23.7	06/23/2014 17:18:30	39 28'56.87N	75 16'30.02W	5	R1-1			617
19			0.7	0.4	06/23/2014 17:22:48	39 29' 8.53N	75 16'15.74W	9	W1-4 R			617
20			43.5	20.9	06/23/2014 17:23:17	39 29' 8.56N	75 16'15.89W	7	W13-1P			617
21			601	228	06/23/2014 17:24:32	39 29'12.59N	75 16'12.01W	7	W1-8 R			617
22			517	216	06/23/2014 17:24:42	39 29'12.74N	75 16'12.02W	7	W1-8 L			617
23			122	41.6	06/23/2014 17:26:21	39 29'13.57N	75 16' 9.87W	9	W1-8 R			617
24			151	49.9	06/23/2014 17:26:32	39 29'13.58N	75 16' 9.89W	9	W1-8 L			617
25			150	51.2	06/23/2014 17:27:36	39 29'14.68N	75 16' 7.30W	7	W1-8 R			617
26			149	49.2	06/23/2014 17:27:46	39 29'14.66N	75 16' 7.19W	7	W1-8 L			617
27			355	157	06/23/2014 17:28:54	39 29'14.98N	75 16' 5.72W	7	W1-8 L			617
28			363	167	06/23/2014 17:29:22	39 29'15.23N	75 16' 5.51W	7	W1-8 L			617
29	342	212	93.7	60.8	06/23/2014 17:31:45	39 29'15.45N	75 16' 4.93W	5	r1-1			617

30	512	203	19.8	9	06/23/2014 17:32:53	39 29'15.77N	75 16' 3.93W	5	r1-1	617
31	508	245	95.5	52	06/23/2014 17:34:14	39 29'15.17N	75 16' 3.32W	5	r1-1	617
32			35.9	18.1	06/23/2014 17:36:56	39 29'14.30N	75 16' 1.49W	10	W1-7	617
33			144	39.7	06/23/2014 17:37:54	39 29'13.77N	75 16' 0.31W	13	W1-8 R	617
34			154	52.4	06/23/2014 17:38:06	39 29'14.00N	75 16' 0.28W	10	W1-8 L	617
35			166	44.8	06/23/2014 17:39:09	39 29'13.72N	75 15'59.59W	9	W1-8 L	617
36			158	43.7	06/23/2014 17:39:17	39 29'13.66N	75 15'59.53W	7	W1-8 R	617
37			92.8	41	06/23/2014 17:39:49	39 29'13.77N	75 15'59.04W	7	W1-8 L	617
38			67.5	32.5	06/23/2014 17:41:47	39 29'14.05N	75 15'54.90W	9	W1-4 R	617
39	247	163	77.6	42.1	06/23/2014 17:44:33	39 29'14.63N	75 15'33.42W	13	R1-1	617
40	13.8	5.3	1.4	0.7	06/23/2014 17:47:08	39 29'15.74N	75 15'23.52W	8	R1-1	617
41			186	87.8	06/23/2014 17:48:24	39 29'15.05N	75 15'23.77W	6	W1-7	617
42			312	206	06/23/2014 18:06:03	39 29'15.13N	75 15'19.55W	11	W1-4 R	617
43			478	204	06/23/2014 18:06:14	39 29'15.14N	75 15'19.55W	8	W13-1P	617
44			54.4	23.9	06/23/2014 18:07:15	39 29'15.67N	75 15'16.41W	15	w5-2a	617
45			376	176	06/23/2014 18:08:47	39 29'14.19N	75 15' 9.95W	10	W1-7	617
46			433	250	06/23/2014 18:10:23	39 29'14.69N	75 15'13.34W	7	W1-8 R	617
47			439	261	06/23/2014 18:10:49	39 29'14.74N	75 15'13.77W	8	W1-8 R	617
48			112	41.1	06/23/2014 18:12:29	39 29'14.19N	75 15'11.52W	7	W1-8 R	617
49			146	40	06/23/2014 18:12:39	39 29'14.14N	75 15'11.65W	7	W1-8 R	617
50			88.3	31.3	06/23/2014 18:13:07	39 29'14.17N	75 15'11.47W	6	W1-8 R	617
51			163	44.2	06/23/2014 18:14:36	39 29'14.29N	75 15' 8.60W	9	W1-8 L	617
52	563	228	103	48.1	06/23/2014 18:15:22	39 29'13.70N	75 15' 8.62W	6	r1-1	617
53			41.2	18	06/23/2014 18:17:57	39 29'14.66N	75 15' 4.78W	8	W5-2	617
54			42.6	19.6	06/23/2014 18:18:38	39 29'14.94N	75 15' 4.81W	7	w5-2a	617
55			290	199	06/23/2014 18:20:12	39 29'13.96N	75 14'57.83W	8	W1-4 L	617
56			40.7	20.3	06/23/2014 18:20:40	39 29'13.69N	75 14'57.58W	6	W13-1P	617
57	7.5	2.9	46.2	15.6	06/23/2014 18:23:49	39 29' 5.45N	75 14' 3.11W	11	W3-1	617
58	16.1	7.3	18.5	10.1	06/23/2014 18:26:07	39 29' 5.07N	75 13'43.61W	8	W3-1	617
59			234	108	06/23/2014 18:27:42	39 29' 6.08N	75 13'23.66W	8	W1-7	617
60	374	226	51.5	29.3	06/23/2014 18:28:26	39 29' 6.70N	75 13'24.38W	7	R1-1	617

61	506	224	53.4	27.1	06/23/2014 18:29:17	39 29' 7.39N	75 13'24.14W	7	R1-1	617
62			59.5	26.6	06/23/2014 18:30:36	39 29' 6.46N	75 13'20.72W	8	W1-2 R	617
63			0.4	0.2	06/23/2014 18:30:46	39 29' 6.40N	75 13'20.66W	7	W13-1P	617
64			296	197	06/23/2014 18:31:59	39 29' 7.33N	75 13'11.14W	7	W1-8 R	617
65			259	185	06/23/2014 18:32:07	39 29' 7.31N	75 13'11.05W	6	W1-8 L	617
66			298	200	06/23/2014 18:32:29	39 29' 7.26N	75 13'10.57W	6	W1-8 R	617
67			293	195	06/23/2014 18:32:41	39 29' 7.33N	75 13'10.65W	7	W1-8 L	617
68			458	270	06/23/2014 18:33:41	39 29' 6.19N	75 13' 8.99W	7	w10-1	617
69			69.7	34.9	06/23/2014 18:34:48	39 29' 4.16N	75 13' 4.42W	11	W1-2 L	617
70			26.9	13.3	06/23/2014 18:35:30	39 29' 4.12N	75 13' 4.51W	8	W13-1P	617
71			477	203	06/23/2014 18:36:31	39 29' 1.84N	75 12'59.74W	11	w10-1	617
72	52.2	19.2	512	240	06/23/2014 18:37:49	39 28'49.73N	75 12'35.06W	8	W3-1	617
73	8	2.3	39.7	12.9	06/23/2014 19:44:38	39 28'44.47N	75 12'23.24W	7	W3-1	617
74	264	163	78.9	43.7	06/23/2014 19:45:49	39 28'44.03N	75 12'22.42W	5	R1-1	617
75			331	211	06/23/2014 19:46:13	39 28'43.90N	75 12'23.10W	5	S3-1	617
76			311	198	06/23/2014 19:47:53	39 28'38.21N	75 12'10.88W	5	S3-1	617
77	514	273	133	69.7	06/23/2014 19:48:24	39 28'37.94N	75 12'11.32W	6	R1-2	617
78			52	23.5	06/23/2014 19:49:41	39 28'36.74N	75 12' 4.75W	7	W2-3	617
79	5.6	1.7	509	290	06/23/2014 19:51:58	39 28'35.09N	75 12' 0.10W	8	W3-1	617
80			312	160	06/23/2014 19:53:10	39 28'34.06N	75 11'53.89W	9	R1-3P	617
81	494	258	33.3	20	06/23/2014 19:53:33	39 28'34.02N	75 11'53.90W	6	R1-1	617
82			297	138	06/23/2014 19:53:50	39 28'34.31N	75 11'53.75W	5	R1-3P	617
83	485	254	34.1	20.7	06/23/2014 19:54:12	39 28'34.25N	75 11'53.73W	5	R1-1	617
84			115	60.7	06/23/2014 19:54:39	39 28'34.28N	75 11'53.44W	5	R1-3P	617
85	499	258	125	69.7	06/23/2014 19:54:56	39 28'34.31N	75 11'53.42W	5	R1-1	617
86			311	153	06/23/2014 19:55:27	39 28'34.43N	75 11'52.78W	5	R1-3P	617
87	550	253	125	61.3	06/23/2014 19:55:40	39 28'34.43N	75 11'52.70W	5	R1-1	617
88	519	265	36.3	22.2	06/23/2014 19:56:20	39 28'33.96N	75 11'52.43W	5	R1-1	617
89			158	91.8	06/23/2014 19:56:28	39 28'33.96N	75 11'52.42W	5	R1-3P	617
90	482	256	31.2	19.1	06/23/2014 19:57:22	39 28'33.52N	75 11'51.85W	4	R1-1	617
91			289	130	06/23/2014 19:57:28	39 28'33.49N	75 11'51.77W	4	R1-3P	617

92			389	189	06/23/2014 19:58:04	39 28'33.53N 75 11'53.13W	4	R1-3P	617
93	569	262	121	63.9	06/23/2014 19:58:19	39 28'33.52N 75 11'53.12W	4	R1-1	617
94			374	173	06/23/2014 19:58:45	39 28'33.50N 75 11'53.72W	4	R1-3P	617
95	568	269	126	66.3	06/23/2014 19:59:15	39 28'33.49N 75 11'53.76W	4	R1-1	617
96	5.6	2.3	472	276	06/23/2014 20:02:25	39 28'32.51N 75 11'47.03W	4	W3-1	617
97			60.4	27	06/23/2014 20:03:10	39 28'31.37N 75 11'42.38W	5	W1-2 R	617
98			57.7	22.1	06/23/2014 20:03:18	39 28'31.30N 75 11'42.40W	5	W13-1P	617
99			153	59.4	06/23/2014 20:04:30	39 28'30.04N 75 11'35.95W	6	W1-8 L	617
100			140	55.3	06/23/2014 20:04:51	39 28'30.14N 75 11'35.90W	7	W1-8 L	617
101			123	47.1	06/23/2014 20:05:14	39 28'29.96N 75 11'35.45W	6	W1-8 L	617
102			148	57.6	06/23/2014 20:05:41	39 28'29.87N 75 11'35.27W	6	W1-8 R	617
103			72.5	32.3	06/23/2014 20:05:58	39 28'29.55N 75 11'35.04W	6	W1-8 R	617
104			46.5	20	06/23/2014 20:07:59	39 28'26.59N 75 11'31.65W	13	W1-2 L	617
105			53.9	27.6	06/23/2014 20:08:13	39 28'26.42N 75 11'31.57W	9	W13-1P	617
106	22.4	13.2	6.9	4.3	06/23/2014 20:09:50	39 28'18.71N 75 11'23.77W	5	R1-1	617
107	563	221	63.1	29	06/23/2014 20:12:48	39 28'14.43N 75 11'19.01W	5	R1-1	617
108			207	68.7	06/23/2014 20:13:41	39 28'12.63N 75 11'18.23W	5	W3-3	617
109			14	6.2	06/23/2014 20:23:21	39 29'43.63N 75 08'25.64W	7	R1-3P	634
110	380	166	95.1	44.3	06/23/2014 20:23:36	39 29'43.66N 75 08'25.64W	4	R1-1	634
111			57	25.3	06/23/2014 20:24:23	39 29'43.64N 75 08'25.52W	5	R1-3P	634
112	413	192	89.2	45.3	06/23/2014 20:24:38	39 29'43.71N 75 08'25.49W	5	R1-1	634
113	386	170	136	63.7	06/23/2014 20:25:06	39 29'43.79N 75 08'25.27W	6	R1-1	634
114			22	9.7	06/23/2014 20:25:14	39 29'43.76N 75 08'25.28W	6	R1-3P	634
115	452	259	65.3	36.3	06/23/2014 20:25:45	39 29'43.98N 75 08'24.87W	5	R1-1	634
116			50.8	21.5	06/23/2014 20:25:53	39 29'43.99N 75 08'24.84W	5	R1-3P	634
117			31.7	16.8	06/23/2014 20:32:58	39 29'39.98N 75 08'20.89W	6	W3-1	634
118			409	211	06/23/2014 20:34:06	39 29'34.41N 75 08'15.98W	7	W1-2 R	634
119			52.2	21.4	06/23/2014 20:36:17	39 29'27.08N 75 08'10.27W	5	W1-2 L	634
120	5.8	2	30.1	12.6	06/23/2014 20:37:11	39 29'24.70N 75 08' 9.87W	7	W3-1	634
121			38.9	16.8	06/23/2014 20:38:00	39 29'22.50N 75 08' 8.73W	9	R2-1	634
122			39.5	19.3	06/23/2014 20:38:26	39 29'22.43N 75 08' 8.70W	8	S3-1	634

123	361	182	136	67	06/23/2014 20:39:29	39 29'19.34N	75 08' 8.23W	9	R1-1	634
124			59.3	23.9	06/23/2014 20:39:37	39 29'19.36N	75 08' 8.24W	8	R1-3P	634
125	391	203	94.7	49.4	06/23/2014 20:40:08	39 29'19.15N	75 08' 8.49W	10	R1-1	634
126			26.1	8.8	06/23/2014 20:40:20	39 29'19.10N	75 08' 8.39W	10	R1-3P	634
127	477	237	79.5	40.2	06/23/2014 20:40:46	39 29'18.82N	75 08' 8.35W	9	R1-1	634
128			25.3	10.2	06/23/2014 20:40:55	39 29'18.75N	75 08' 8.47W	9	R1-3P	634
129	224	75.2	29	11.1	06/23/2014 20:41:44	39 29'18.04N	75 08' 7.35W	7	R1-1	634
130			51	19.1	06/23/2014 20:41:51	39 29'18.05N	75 08' 7.35W	6	R1-3P	634
131	436	207	95.9	46.9	06/23/2014 20:42:28	39 29'18.32N	75 08' 7.08W	6	R1-1	634
132			59.1	23.2	06/23/2014 20:42:34	39 29'18.33N	75 08' 7.07W	6	R1-3P	634
133	491	250	85	44	06/23/2014 20:43:10	39 29'18.75N	75 08' 7.09W	7	R1-1	634
134			60.5	25.2	06/23/2014 20:43:17	39 29'18.75N	75 08' 7.07W	7	R1-3P	634
135			45.2	18.4	06/23/2014 20:44:09	39 29'19.37N	75 08' 7.97W	8	R7-19	634
136			209	94.4	06/23/2014 20:45:49	39 29'18.15N	75 08' 7.51W	7	r3-17	634
137			412	189	06/23/2014 20:46:53	39 29'17.23N	75 08' 6.90W	11	r3-17	634
138	4.1	2.2	23.4	11.8	06/23/2014 20:49:06	39 29'12.61N	75 08' 5.19W	14	W3-1	634
139			27.4	10.3	06/23/2014 20:50:08	39 29' 9.49N	75 08' 3.97W	8	R2-1	634
140			199	101	06/23/2014 20:51:10	39 29' 8.08N	75 08' 3.07W	7	r3-17	634
141			44.6	15.1	06/23/2014 20:52:42	39 29' 4.69N	75 08' 1.61W	9	R2-1	634
142			102	33.9	06/23/2014 20:53:37	39 29' 2.74N	75 08' 1.12W	9	W3-3	634
143			372	195	06/23/2014 20:54:28	39 28'58.11N	75 07'59.34W	9	r3-17	634
144			368	177	06/23/2014 20:54:56	39 28'58.34N	75 07'58.96W	8	r3-17	634

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Msrmt Number	0.2 Alpha Legend	0.5 Alpha Legend	0.2 Alpha Bkgrnd	0.5 Alpha Bkgrnd	Date/Time	Latitude	Longitude	Position Accuracy (m)	Barcode	Standard Comments	User Comment	Route
1	308	164	64.4	36.8	06/25/2014 17:04:09	39 25'46.62N	75 14'50.40W	6	R1-1			626
2	624	358	107	64.7	06/25/2014 17:04:58	39 25'46.01N	75 14'50.36W	6	R1-1			626
3			364	229	06/25/2014 17:06:02	39 25'46.56N	75 14'51.07W	5	S1-1			626
4			500	253	06/25/2014 17:06:14	39 25'46.49N	75 14'51.09W	5	W16-9P			626
5			605	266	06/25/2014 17:07:55	39 25'47.29N	75 14'55.15W	9	S4-3			626
6			558	252	06/25/2014 17:08:03	39 25'47.26N	75 14'55.16W	7	R2-1			626
7			584	247	06/25/2014 17:08:15	39 25'47.25N	75 14'55.15W	6	S4-2			626
8			593	317	06/25/2014 17:09:05	39 25'47.04N	75 14'55.84W	7	r7-2			626
9	124	61.3	487	231	06/25/2014 17:09:23	39 25'47.04N	75 14'55.91W	6	r3-1			626
10			602	327	06/25/2014 17:14:05	39 25'47.90N	75 15' 1.04W	12	r7-2			626
11			1.8	1.1	06/25/2014 17:14:58	39 25'47.89N	75 15' 0.92W	5	s5-2			626
12			566	262	06/25/2014 17:16:08	39 25'47.68N	75 15' 2.52W	8	S4-3			626
13			557	254	06/25/2014 17:16:20	39 25'47.78N	75 15' 2.73W	8	R2-1			626
14			590	251	06/25/2014 17:16:33	39 25'47.84N	75 15' 2.68W	8	S4-2			626
15	704	272	152	72.9	06/25/2014 17:17:50	39 25'48.86N	75 15' 4.93W	10	R1-1			626
16			346	225	06/25/2014 17:19:04	39 25'49.16N	75 15' 9.19W	9	S1-1			626
17			446	244	06/25/2014 17:19:15	39 25'49.12N	75 15' 9.19W	8	W16-9P			626
18			474	239	06/25/2014 17:20:36	39 25'50.06N	75 15'14.20W	10	S3-1			626
19			514	286	06/25/2014 17:22:17	39 25'52.21N	75 15'28.31W	7	S1-1			626
20			443	225	06/25/2014 17:22:45	39 25'52.16N	75 15'28.81W	6	S3-1			626
21			397	180	06/25/2014 17:23:33	39 25'52.62N	75 15'30.54W	6	R2-1			626
22			84.7	39.4	06/25/2014 17:23:42	39 25'52.61N	75 15'30.52W	6	S4-2			626
23			95.8	42.9	06/25/2014 17:24:12	39 25'52.72N	75 15'30.51W	6	S4-3			626
24			74.1	32.1	06/25/2014 17:25:48	39 25'54.45N	75 15'42.94W	6	S4-3			626
25			415	175	06/25/2014 17:26:00	39 25'54.44N	75 15'43.00W	7	R2-1			626
26			105	44.4	06/25/2014 17:26:10	39 25'54.41N	75 15'43.01W	7	S4-2			626
27			422	240	06/25/2014 17:30:19	39 25'55.00N	75 15'46.17W	6	S1-1			626
28	63.1	24.4	15	6.1	06/25/2014 17:32:09	39 25'55.44N	75 15'52.91W	6	R1-1			626
29	58.7	23.4	11.5	5.3	06/25/2014 18:13:39	39 25'56.13N	75 15'57.53W	8	R1-1			626
30			0.2	0.2	06/25/2014 18:39:18	39 25'57.95N	75 16' 5.50W	6	W2-2			626
31			26.6	14.6	06/25/2014 18:41:09	39 25'59.66N	75 16'14.60W	6	W1-7			626
32	230	199	22.3	15	06/25/2014 18:41:25	39 25'59.67N	75 16'14.60W	5	R1-1			626

33			3.5	1.8	06/25/2014 18:43:22	39 26' 0.40N 75 16'20.90W	6	W2-2	626
34			103	43.1	06/25/2014 18:43:43	39 26' 0.67N 75 16'21.85W	6	W2-1	626
35	79.9	35.2	5.6	2.8	06/25/2014 18:45:16	39 26' 1.99N 75 16'29.37W	7	R1-1	626
36	304	194	36.6	26.9	06/25/2014 18:45:47	39 26' 1.89N 75 16'29.04W	5	R1-1	626
37	455	203	79	41.3	06/25/2014 18:46:46	39 26' 0.97N 75 16'29.09W	5	R1-1	626
38	536	225	128	62.4	06/25/2014 18:47:55	39 26' 1.03N 75 16'29.68W	5	R1-1	626
39			90.1	38.3	06/25/2014 18:50:10	39 26' 2.50N 75 16'36.56W	7	W2-1	626
40			7.9	4.3	06/25/2014 18:52:24	39 26' 6.99N 75 17' 6.56W	23	W2-2	626
41			46.8	21.8	06/25/2014 18:52:38	39 26' 7.25N 75 17' 6.34W	9	W2-2	626
42	291	189	93	63.2	06/25/2014 18:53:42	39 26' 8.56N 75 17'12.78W	6	R1-1	626
43			454	229	06/25/2014 18:54:19	39 26' 7.53N 75 17'12.75W	6	W1-7	626
44			58.4	30.7	06/25/2014 18:56:00	39 26' 8.84N 75 17'19.46W	8	W2-2	626
45			45.4	19.7	06/25/2014 18:56:42	39 26'10.30N 75 17'26.11W	8	R2-1	626
46	535	226	127	64.5	06/25/2014 18:59:39	39 26'13.51N 75 17'47.18W	4	R1-1	626
47			365	162	06/25/2014 19:00:19	39 26'12.80N 75 17'46.87W	6	w1-7	626
48			524	214	06/25/2014 19:00:33	39 26'12.82N 75 17'46.93W	5	w1-8l	626
49			487	222	06/25/2014 19:00:48	39 26'12.78N 75 17'46.94W	5	w1-8r	626
50	492	205	273	137	06/25/2014 19:05:05	39 26'20.04N 75 18'32.16W	5	W3-5	626
51			59.3	47.1	06/25/2014 19:07:06	39 26'20.69N 75 18'35.36W	6	w2-2	626
52			108	43.5	06/25/2014 19:09:15	39 26'20.96N 75 18'40.06W	4	R2-1	626
53			82.7	33.9	06/25/2014 19:17:43	39 26'22.09N 75 18'43.30W	4	R2-1	626
54			3	1.6	06/25/2014 19:19:00	39 26'22.96N 75 18'47.98W	6	W2-2	626
55	518	225	450	212	06/25/2014 19:19:57	39 26'23.87N 75 18'52.21W	6	W3-5	626
56			32.2	18	06/25/2014 19:20:58	39 26'24.57N 75 18'55.38W	10	R2-1	626
57			67.4	30.3	06/25/2014 19:21:25	39 26'24.33N 75 18'55.26W	6	R2-1	626
58			56	25.1	06/25/2014 19:23:05	39 26'25.51N 75 18'58.97W	6	W11-8	626
59	12	4.1	38.2	15.4	06/25/2014 19:24:24	39 26'25.70N 75 19' 1.19W	6	W3-1	626
60	27.4	18.6	410	175	06/25/2014 19:25:00	39 26'25.92N 75 19' 1.00W	5	W3-1	626
61	516	240	130	66.4	06/25/2014 19:26:44	39 26'27.63N 75 19' 6.01W	8	R1-1	626
62			167	81.5	06/25/2014 19:26:51	39 26'27.63N 75 19' 5.99W	8	R1-3P	626
63	461	212	33.4	17.8	06/25/2014 19:27:53	39 26'27.75N 75 19' 6.34W	7	R1-1	626
64			407	194	06/25/2014 19:28:00	39 26'27.82N 75 19' 6.44W	7	R1-3P	626
65	397	188	85.8	44.5	06/25/2014 19:28:42	39 26'27.77N 75 19' 6.71W	6	R1-1	626
66			425	210	06/25/2014 19:28:57	39 26'27.77N 75 19' 6.76W	7	R1-3P	626
67	369	217	85.4	53.6	06/25/2014 19:29:34	39 26'27.87N 75 19' 7.27W	8	R1-1	626

68			452	195	06/25/2014 19:29:41 39 26'27.88N 75 19' 7.26W	8	R1-3P	626
69	533	237	146	67.1	06/25/2014 19:32:37 39 26'27.55N 75 19' 7.54W	7	R1-1	626
70			392	188	06/25/2014 19:32:50 39 26'27.88N 75 19' 7.67W	8	R1-3P	626
71			45.8	19.9	06/25/2014 19:33:34 39 26'28.12N 75 19' 7.90W	9	W1-8 L	626
72			54.5	25.3	06/25/2014 19:33:42 39 26'28.23N 75 19' 7.69W	9	W1-8 R	626
73			53.5	24.6	06/25/2014 19:33:56 39 26'27.82N 75 19' 7.51W	10	W1-8 L	626
74			50.7	23	06/25/2014 19:34:04 39 26'27.99N 75 19' 7.64W	10	W1-8 R	626
75			448	222	06/25/2014 19:34:26 39 26'27.50N 75 19' 6.85W	10	W1-8 L	626
76			430	246	06/25/2014 19:34:35 39 26'27.35N 75 19' 6.74W	9	W1-8 R	626
77	46.5	24.4	2.7	1.5	06/25/2014 19:35:39 39 26'26.96N 75 19' 6.64W	9	R1-1	626
78			171	88	06/25/2014 19:35:48 39 26'26.99N 75 19' 6.62W	10	R1-3P	626
79	432	210	75.7	37.8	06/25/2014 19:36:58 39 26'26.90N 75 19' 6.63W	7	R1-1	626
80			331	172	06/25/2014 19:37:07 39 26'26.90N 75 19' 6.65W	6	R1-3P	626
81			302	201	06/25/2014 19:37:31 39 26'26.88N 75 19' 6.68W	7	W1-8 L	626
82	464	250	101	57.6	06/25/2014 19:37:57 39 26'27.12N 75 19' 6.65W	10	R1-1	626
83			204	102	06/25/2014 19:38:11 39 26'27.34N 75 19' 6.59W	10	R1-3P	626

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Msrmt Number	0.2 Alpha Legend	0.5 Alpha Legend	0.2 Alpha Bkgrnd	0.5 Alpha Bkgrnd	Date/Time	Latitude	Longitude	Position Accuracy (m)	Barcode	Standard Comments	User Comment	Route
1			56.2	24.6	05/23/2014 16:30:00	39 22.6425'N	75 2.5077'W	27	W2-3			627
2			659	268	05/23/2014 16:33:52	39 22.5460'N	75 2.5048'W	8	R4-7			627
3			614	345	05/23/2014 16:34:22	39 22.5464'N	75 2.5032'W	7	R4-7A			627
4	530	264	121	58.7	05/23/2014 16:35:19	39 22.5479'N	75 2.5038'W	9	R1-2			627
5			520	220	05/23/2014 16:35:35	39 22.5493'N	75 2.5045'W	9	W1-8 R			627
6			521	230	05/23/2014 16:35:53	39 22.5486'N	75 2.5034'W	9	W1-8 R			627
7			512	223	05/23/2014 16:36:13	39 22.5467'N	75 2.4997'W	9				627
8	352	215	110	69.7	05/23/2014 16:37:20	39 22.5547'N	75 2.4942'W	8	R1-1			627
9			93.4	40	05/23/2014 16:38:25	39 22.5503'N	75 2.4972'W	7	W12-1			627
10	534	225	105	54.3	05/23/2014 16:39:40	39 22.5435'N	75 2.4919'W	6	R1-1			627
11			59.5	25.7	05/23/2014 16:43:22	39 22.4519'N	75 2.4891'W	10	W2-3			627
12			61.5	24.3	05/23/2014 16:47:57	39 21.0399'N	75 2.2377'W	4	W1-2 L			627
13			18.6	10.1	05/23/2014 16:50:05	39 20.9754'N	75 2.2193'W	6	W1-8 L			627
14			0.7	0.4	05/23/2014 16:50:42	39 20.9667'N	75 2.2147'W	6	W1-8 R			627
15			20.7	10	05/23/2014 16:51:04	39 20.9671'N	75 2.2148'W	6	W1-8 L			627
16			1.1	0.7	05/23/2014 16:51:39	39 20.9573'N	75 2.2075'W	7	W1-8 R			627
17			27.8	14.3	05/23/2014 16:51:56	39 20.9559'N	75 2.2079'W	6	W1-8 L			627
18			3.7	1.9	05/23/2014 16:52:26	39 20.9560'N	75 2.2109'W	7	W1-8 R			627
19			31.3	15.7	05/23/2014 16:54:47	39 20.8546'N	75 2.1479'W	6	W1-2 R			627
20	245	81.2	24.6	9.5	05/23/2014 16:57:00	39 20.7538'N	75 2.0771'W	5	R1-1			627
21			22.2	9.4	05/23/2014 16:58:31	39 20.7126'N	75 2.0469'W	7	S3-1			627
22	427	263	85.5	55	05/23/2014 17:00:26	39 20.6946'N	75 2.0185'W	6	R1-1			627
23	201	62.3	31.5	10.9	05/23/2014 17:05:03	39 20.6298'N	75 1.9698'W	9	R1-1			627
24	219	73.5	22.4	8.6	05/23/2014 17:06:37	39 20.5832'N	75 1.9553'W	6	R1-1			627
25	51.4	19.8	11.4	3.8	05/23/2014 17:09:17	39 20.5356'N	75 1.9123'W	5	R1-1			627
26	493	232	90.9	46.5	05/23/2014 17:10:33	39 20.5344'N	75 1.9180'W	5	R1-1			627
27	461	212	88.1	47.8	05/23/2014 17:12:20	39 20.5072'N	75 1.9016'W	5	R1-1			627
28	94.9	49.1	304	148	05/23/2014 17:13:31	39 20.5000'N	75 1.8989'W	6	W3-1			627
29			7.1	3.3	05/23/2014 17:15:52	39 20.5000'N	75 1.9005'W	4	S3-1			627
30			60.4	25.8	05/23/2014 17:23:36	39 20.3932'N	75 1.8258'W	5	W2-2			627
31	498	240	74.1	39.3	05/23/2014 17:24:48	39 20.3894'N	75 1.8186'W	6	R1-1			627
32	519	238	81.4	41	05/23/2014 17:25:32	39 20.3876'N	75 1.8179'W	7	R1-1			627

33	519	262	22	15.5	05/23/2014 17:26:06	39 20.3866'N	75 1.8215'W	7	R1-2	627
34			506	267	05/23/2014 17:26:34	39 20.3882'N	75 1.8201'W	8	R4-7	627
35			499	268	05/23/2014 17:26:52	39 20.3888'N	75 1.8196'W	8	R4-7A	627
36			501	228	05/23/2014 17:27:33	39 20.3895'N	75 1.8140'W	7	W1-8 L	627
37	332	202	87.3	56.9	05/23/2014 17:28:58	39 20.3900'N	75 1.8131'W	7	R5-1	627
38			460	215	05/23/2014 17:30:44	39 20.3845'N	75 1.8111'W	5	W12-1	627
39	568	249	129	62.5	05/23/2014 17:33:46	39 20.4054'N	75 1.8283'W	4	R1-1	627
40	590	230	139	63.5	05/23/2014 17:46:41	39 21.8146'N	75 6.4046'W	8	R1-1	692
41	586	258	98.1	53.1	05/23/2014 17:47:41	39 21.8179'N	75 6.4062'W	7	R1-1	692
42	155	78.7	413	191	05/23/2014 17:49:34	39 21.8350'N	75 6.5376'W	6	W3-1	692
43	12.7	4.1	35.4	14.3	05/23/2014 17:52:22	39 21.8819'N	75 6.8772'W	4	W3-1	692
44	696	198	69.9	27.9	05/23/2014 17:54:04	39 21.8959'N	75 6.9881'W	4	R1-1	692
45	459	245	119	65.7	05/23/2014 17:55:24	39 21.8939'N	75 6.9864'W	4	R1-1	692
46	373	235	39.7	27.2	05/23/2014 17:56:47	39 21.9030'N	75 7.0046'W	5	R1-1	692
47	382	239	51.9	35.6	05/23/2014 17:58:29	39 21.9004'N	75 7.0112'W	6	R1-1	692
48	9.5	3.9	179	65.3	05/23/2014 18:00:34	39 21.9156'N	75 7.1258'W	5	W3-1	692
49	12.7	4.1	39.8	16	05/23/2014 18:01:34	39 21.9179'N	75 7.1151'W	6	W3-1	692
50	337	175	67.9	38	05/23/2014 18:05:35	39 22.0662'N	75 8.0160'W	7	R1-1	692
51	1.7	0.8	0.4	0.2	05/23/2014 18:08:20	39 22.0998'N	75 8.2443'W	7	R1-1	692
52	406	202	66.2	35.6	05/23/2014 18:12:42	39 22.0936'N	75 8.2710'W	7	R1-1	692
53	43.3	18.3	5.8	2.5	05/23/2014 18:17:45	39 22.1922'N	75 8.8776'W	8	R1-1	692
54	19.6	11.4	6.1	3.7	05/23/2014 18:18:23	39 22.1929'N	75 8.8736'W	6	R1-1	692
55	5.1	2.4	4.9	2.4	05/23/2014 18:19:38	39 22.1804'N	75 8.8725'W	7	R1-1	692
56	45.3	19.4	20.1	7.9	05/23/2014 18:29:18	39 22.1969'N	75 8.9407'W	6	R1-1	692
57	13.9	8.7	7	4.1	05/23/2014 18:30:56	39 22.2148'N	75 9.0348'W	9	R1-1	692
58	17.3	7	2.9	1.1	05/23/2014 18:33:20	39 22.2472'N	75 9.2065'W	7	R1-1	692
59	524	248	95.4	50.9	05/23/2014 19:01:17	39 23.6556'N	75 6.0432'W	8	R1-1	698
60			592	301	05/23/2014 19:01:59	39 23.6600'N	75 6.0373'W	8	R2-1	698
61	623	256	104	49.3	05/23/2014 19:02:46	39 23.6630'N	75 6.0358'W	9	R1-1	698
62			31.4	12.1	05/23/2014 19:06:58	39 23.6927'N	75 5.6004'W	7	W2-2	698
63	436	239	60.3	32	05/23/2014 19:09:21	39 23.7040'N	75 5.4957'W	7	R1-1	698
64			24.7	9.7	05/23/2014 19:12:20	39 23.7071'N	75 5.4084'W	7	W2-2	698
65			33	13	05/23/2014 19:12:50	39 23.7075'N	75 5.4033'W	7	W2-2	698
66	524	163	37.5	15	05/23/2014 19:13:43	39 23.7094'N	75 5.3945'W	8	R1-1	698
67			34	17.5	05/23/2014 19:15:25	39 23.7103'N	75 5.2970'W	8	W2-2	698

68			358	220	05/23/2014 19:16:58	39 23.7163'N	75 5.2350'W	7	R2-1	698
69			49.7	23.9	05/23/2014 19:18:35	39 23.7409'N	75 4.9543'W	7	W2-2	698
70	404	229	51.6	29.9	05/23/2014 19:20:45	39 23.7404'N	75 4.8768'W	6	R1-1	698
71			11.6	4.8	05/23/2014 19:37:12	39 23.7522'N	75 4.7976'W	5	W2-2	698
72			570	277	05/23/2014 19:38:20	39 23.7650'N	75 4.6560'W	6	R2-1	698
73			483	241	05/23/2014 19:40:26	39 23.7688'N	75 4.6431'W	6		698
74	121	63.6	414	195	05/23/2014 19:41:53	39 23.7656'N	75 4.6306'W	4	W3-1	698
75	20.3	15.4	313	209	05/23/2014 19:43:31	39 23.7608'N	75 4.6322'W	6	W3-1	698
76			7.7	4	05/23/2014 19:46:40	39 23.7771'N	75 4.5430'W	6		698
77	473	242	86.3	48.4	05/23/2014 19:47:30	39 23.7787'N	75 4.5454'W	5	R1-1	698
78	521	249	194	94.6	05/23/2014 19:48:42	39 23.7730'N	75 4.5465'W	5	R1-3P	698
79	516	247	135	69.5	05/23/2014 19:49:23	39 23.7748'N	75 4.5491'W	5	R1-1	698
80	338	177	164	84	05/23/2014 19:50:02	39 23.7752'N	75 4.5493'W	4	R1-3P	698

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Msrmt Number	0.2 Alpha Legend	0.5 Alpha Legend	0.2 Alpha Bkgrnd	0.5 Alpha Bkgrnd	Date/Time	Latitude	Longitude	Position Accuracy (m)	Barcode	Standard Comments	User Comment	Route
1			101	44.2	06/24/2014 16:30:34	39 28'54.13N	75 07'58.09W	9	R2-1			634
2			53.9	25.7	06/24/2014 16:31:26	39 28'53.94N	75 07'58.07W	6	W11-8			634
3			507	229	06/24/2014 16:33:04	39 28'51.33N	75 07'57.03W	8	r3-17			634
4			374	195	06/24/2014 16:34:04	39 28'51.13N	75 07'56.39W	6	r3-17			634
5	619	244	133	61.2	06/24/2014 16:35:10	39 28'49.52N	75 07'55.42W	6	r1-1			634
6			194	60.9	06/24/2014 16:35:45	39 28'49.03N	75 07'55.34W	7	w3-1			634
7	69.5	34.7	14.3	6.7	06/24/2014 16:36:26	39 28'48.69N	75 07'56.14W	6	r1-1			634
8			427	191	06/24/2014 16:37:01	39 28'48.23N	75 07'55.96W	6	r3-17			634
9			457	200	06/24/2014 16:38:40	39 28'44.63N	75 07'54.35W	14	w10-1			634
10			378	166	06/24/2014 16:40:08	39 28'42.70N	75 07'53.58W	5	r3-17			634
11	290	177	70.8	42.2	06/24/2014 16:40:43	39 28'41.95N	75 07'53.29W	4	R1-1			634
12	151	98.5	47	30.4	06/24/2014 16:41:38	39 28'41.71N	75 07'52.23W	5	R1-1			634
13	262	202	32	21.4	06/24/2014 16:42:33	39 28'42.65N	75 07'52.54W	5	R1-1			634
14			350	178	06/24/2014 16:43:06	39 28'42.97N	75 07'52.59W	7	r3-17			634
15			63.4	28.1	06/24/2014 16:45:25	39 28'40.51N	75 07'52.78W	7	W11-8			634
16			408	188	06/24/2014 16:45:58	39 28'40.70N	75 07'52.84W	7	r3-17			634
17	139	97.1	39.7	26.5	06/24/2014 16:46:56	39 28'39.59N	75 07'52.57W	6	R1-1			634
18			397	167	06/24/2014 16:47:27	39 28'39.53N	75 07'52.13W	6	r3-17			634
19			7	3.4	06/24/2014 16:47:57	39 28'39.62N	75 07'51.55W	6	w10-1			634
20			434	187	06/24/2014 16:51:07	39 28'34.18N	75 07'50.07W	3	r3-17			634
21	128	88.3	51.8	31.3	06/24/2014 16:51:58	39 28'34.77N	75 07'50.45W	4	R1-1			634
22			382	169	06/24/2014 16:53:02	39 28'35.54N	75 07'49.90W	5	r3-17			634
23	138	95	36.8	25	06/24/2014 16:53:47	39 28'35.38N	75 07'49.75W	5	R1-1			634
24			358	159	06/24/2014 16:56:19	39 28'30.63N	75 07'48.64W	11	r3-17			634
25			93.8	40.3	06/24/2014 16:58:10	39 28'26.30N	75 07'46.68W	8	R2-1			634
26			415	174	06/24/2014 16:59:01	39 28'27.18N	75 07'47.18W	6	r3-17			634
27			79.2	34.5	06/24/2014 16:59:32	39 28'27.47N	75 07'47.22W	6	w2-1			634
28	140	96.8	37.7	26.6	06/24/2014 17:00:05	39 28'27.46N	75 07'47.45W	5	R1-1			634
29			504	232	06/24/2014 17:01:07	39 28'28.42N	75 07'47.03W	6	R2-1			634
30			349	161	06/24/2014 17:01:27	39 28'28.39N	75 07'47.03W	6	r3-17			634
31	148	99.2	43.6	28	06/24/2014 17:02:16	39 28'28.13N	75 07'46.52W	7	R1-1			634
32			379	170	06/24/2014 17:04:51	39 28'24.03N	75 07'45.27W	9	r3-17			634

33	492	259	112	61.9	06/24/2014 17:05:48	39 28'23.38N 75 07'44.56W	8	R1-1	634
34	136	92.9	45.6	29.6	06/24/2014 17:06:37	39 28'23.23N 75 07'44.35W	10	R1-1	634
35			482	205	06/24/2014 17:07:29	39 28'22.40N 75 07'45.07W	8	r3-17	634
36	481	258	108	61.3	06/24/2014 17:08:09	39 28'22.61N 75 07'45.42W	6	R1-1	634
37			42	21.7	06/24/2014 17:13:47	39 28'18.65N 75 07'42.87W	8	W2-1	634
38			359	161	06/24/2014 17:14:16	39 28'18.14N 75 07'42.76W	9	r3-17	634
39			425	188	06/24/2014 17:14:57	39 28'18.16N 75 07'43.55W	8	r3-17	634
40			497	223	06/24/2014 17:17:38	39 28'11.52N 75 07'39.71W	5	R2-1	634
41			394	175	06/24/2014 17:17:59	39 28'11.42N 75 07'39.55W	5	r3-17	634
42	30.7	17.4	6.1	3.8	06/24/2014 17:18:12	39 28'11.32N 75 07'39.56W	6	R1-1	634
43			404	182	06/24/2014 17:18:56	39 28'10.60N 75 07'40.23W	6	r3-17	634
44			43.8	22.7	06/24/2014 17:19:56	39 28' 8.80N 75 07'39.56W	6	W2-1	634
45			551	258	06/24/2014 17:22:11	39 28' 5.68N 75 07'37.83W	8	R2-1	634
46			494	220	06/24/2014 17:23:05	39 28' 4.60N 75 07'37.25W	10	r3-17	634
47	516	220	104	50.1	06/24/2014 17:23:43	39 28' 4.24N 75 07'36.70W	6	R1-1	634
48	509	236	91.3	50.1	06/24/2014 17:24:20	39 28' 4.06N 75 07'36.49W	7	R1-1	634
49	68.6	32.8	15.2	8	06/24/2014 17:25:12	39 28' 3.65N 75 07'37.77W	6	R1-1	634
50	24.2	13.9	10.7	6.3	06/24/2014 17:25:47	39 28' 4.06N 75 07'37.93W	6	R1-1	634
51			99.5	48.7	06/24/2014 17:35:53	39 28' 2.15N 75 07'36.62W	6	R2-1	634
52	529	258	470	234	06/24/2014 17:37:40	39 27'59.46N 75 07'35.00W	7	W3-5	634
53			32	17.1	06/24/2014 17:38:34	39 27'57.93N 75 07'34.28W	6	W2-1	634
54			417	172	06/24/2014 17:39:46	39 27'58.91N 75 07'35.49W	7	r3-17	634
55			408	209	06/24/2014 17:40:50	39 27'56.06N 75 07'34.03W	8	w8-18	634
56			400	171	06/24/2014 17:42:54	39 27'54.22N 75 07'32.84W	6	r3-17	634
57			371	164	06/24/2014 17:45:19	39 27'49.63N 75 07'31.79W	7	S4-3	634
58			554	249	06/24/2014 17:45:27	39 27'49.71N 75 07'31.78W	7	R2-1	634
59			599	252	06/24/2014 17:45:38	39 27'49.88N 75 07'31.72W	7	S4-2	634
60			385	173	06/24/2014 17:47:26	39 27'46.24N 75 07'29.63W	5	r3-17	634
61			403	186	06/24/2014 17:49:15	39 27'43.41N 75 07'28.95W	7	r3-17	634
62			457	208	06/24/2014 17:50:28	39 27'41.49N 75 07'27.78W	8	w8-18	634
63			320	145	06/24/2014 17:51:36	39 27'39.64N 75 07'26.99W	8	r3-17	634
64			464	224	06/24/2014 17:52:40	39 27'38.72N 75 07'27.22W	7	r3-17	634
65			597	256	06/24/2014 17:53:37	39 27'37.54N 75 07'26.01W	8	S4-3	634
66			514	235	06/24/2014 17:53:49	39 27'37.57N 75 07'26.06W	8	R2-1	634
67			604	259	06/24/2014 17:53:58	39 27'37.58N 75 07'26.02W	8	S4-2	634

68			353	228	06/24/2014 17:55:31	39 27'35.85N 75 07'25.19W	10	S1-1	634
69			399	222	06/24/2014 17:55:46	39 27'35.90N 75 07'25.22W	10	W16-9P	634
70			82.8	36	06/24/2014 17:56:45	39 27'34.13N 75 07'25.09W	5	R2-1	634
71			26.4	10.7	06/24/2014 17:58:14	39 27'26.57N 75 07'21.88W	9	W2-1	634
72			73	31.4	06/24/2014 17:58:37	39 27'26.53N 75 07'21.50W	7	R2-1	634
73	451	241	95.8	53.9	06/24/2014 18:01:27	39 27'21.95N 75 07'20.38W	5	R1-1	634
74	458	240	84.2	48.1	06/24/2014 18:02:13	39 27'22.42N 75 07'20.59W	6	R1-1	634
75	511	222	104	52.1	06/24/2014 18:03:29	39 27'22.79N 75 07'19.46W	6	R1-1	634
76	347	156	110	50	06/24/2014 18:04:34	39 27'22.48N 75 07'19.38W	6	R1-1	634
77			2.7	1.5	06/24/2014 18:06:54	39 27'17.48N 75 07'17.96W	8	W2-1	634
78			483	226	06/24/2014 18:07:47	39 27'13.89N 75 07'16.83W	7	R2-1	634
79			31.5	14.7	06/24/2014 18:09:05	39 27' 1.03N 75 07'11.56W	14	W1-2 R	634
80			39	20	06/24/2014 18:09:26	39 27' 1.22N 75 07'11.39W	8	W13-1P	634
81			67.3	29.2	06/24/2014 18:11:46	39 26'49.08N 75 07' 8.92W	8	W1-2 L	634
82			15.6	7.2	06/24/2014 18:12:09	39 26'48.77N 75 07' 9.38W	7	W13-1P	634
83			69.7	31.6	06/24/2014 18:13:12	39 26'41.17N 75 07' 9.62W	10	W1-4 L	634
84			29.6	16.5	06/24/2014 18:13:20	39 26'41.17N 75 07' 9.61W	9	W13-1P	634
85			13.8	8	06/24/2014 18:14:29	39 26'39.01N 75 07' 9.98W	6	w8-18	634
86			13.7	8.4	06/24/2014 18:16:17	39 26'36.67N 75 07'10.20W	11		634
87			44.8	17.9	06/24/2014 18:27:23	39 26'25.89N 75 07'10.31W	13	S3-1	634
88			6	3	06/24/2014 18:29:00	39 26'20.78N 75 07'11.10W	7	W1-4 L	634
89			32.2	16.9	06/24/2014 18:29:18	39 26'20.54N 75 07'11.26W	7	W13-1P	634
90			23.7	9.7	06/24/2014 18:30:58	39 26'13.54N 75 07'13.81W	9	W2-2	634
91			79.8	63.6	06/24/2014 18:32:06	39 26'11.99N 75 07'13.57W	7	R7-19	634
92	69.3	32.1	4	2.2	06/24/2014 18:34:00	39 26' 8.81N 75 07'14.89W	9	R1-1	634
93			72.7	31	06/24/2014 18:34:35	39 26' 8.24N 75 07'14.52W	5	R2-1	634
94			52.7	24	06/24/2014 18:36:09	39 26' 5.77N 75 07'15.38W	5	R7-19	634
95			52.8	34.4	06/24/2014 18:36:37	39 26' 5.45N 75 07'15.26W	5	S1-1	634
96			44.2	21.2	06/24/2014 19:21:10	39 24'41.78N 75 07'40.48W	6	R2-1	634
97	11.5	3.8	36.9	15.2	06/24/2014 19:22:49	39 24'44.71N 75 07'40.20W	9	W3-1	634
98			53.9	26.1	06/24/2014 19:24:09	39 24'56.03N 75 07'35.81W	6	R2-1	634
99			76.2	33.1	06/24/2014 19:25:30	39 25'10.49N 75 07'31.61W	7	R2-1	634
100			42	20.3	06/24/2014 19:29:47	39 25'58.16N 75 07'17.72W	12	W3-3	634
101			61	28.1	06/24/2014 19:31:29	39 26' 0.32N 75 07'16.45W	5	r3-8*	634
102			57.4	25	06/24/2014 19:31:54	39 25'59.99N 75 07'17.03W	5	R2-1	634

103			29.1	13.9	06/24/2014 19:33:19	39 26' 2.21N	75 07'15.95W	5	R7-19	634
104			46.1	29.4	06/24/2014 19:38:09	39 26' 4.64N	75 07'41.18W	6	R1-1	682
105	108	57.9	488	238	06/24/2014 19:40:11	39 25'58.11N	75 07'42.56W	6	W3-1	682
106	218	71.1	35.5	12.7	06/24/2014 19:44:02	39 25'21.25N	75 07'53.96W	6	R1-1	682
107	105	70	3.2	2.2	06/24/2014 19:46:07	39 25'13.33N	75 07'56.23W	7	R1-1	682
108			12.6	7.1	06/24/2014 19:51:08	39 24'51.13N	75 08' 3.28W	6	W3-1	682
109	8.7	2.7	40	13.9	06/24/2014 19:51:45	39 24'50.75N	75 08' 2.93W	4	W3-1	682

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Msrmt Number	0.2 Alpha Legend	0.5 Alpha Legend	0.2 Alpha Bkgrnd	0.5 Alpha Bkgrnd	Date/Time	Latitude	Longitude	Position Accuracy (m)	Barcode	Standard Comments	User Comment	Route
1	452	203	96.3	46.3	05/20/2014 16:28:06	39 25.6217°N	15 17.5131°W	7	R1-1			618
2	428	194	103	50.7	05/20/2014 16:29:24	39 25.6251°N	15 17.5078°W	6	R1-1			618
3	108	48.3	17.2	8.7	05/20/2014 16:31:04	39 25.6253°N	15 17.5118°W	6	R1-2			618
4			644	277	05/20/2014 16:32:03	39 25.6253°N	15 17.5116°W	4	r4-7			618
5			607	346	05/20/2014 16:33:16	39 25.6256°N	15 17.5103°W	4	r4-7P			618
6	110	44.7	25.1	11	05/20/2014 16:34:12	39 25.6248°N	15 17.5113°W	5	R5-1			618
7			374	167	05/20/2014 16:34:45	39 25.6242°N	15 17.5084°W	5	W1-8 R			618
8			524	213	05/20/2014 16:35:27	39 25.6225°N	15 17.4988°W	5	W1-8 R			618
9			529	219	05/20/2014 16:36:12	39 25.6232°N	15 17.4988°W	5	W1-8 L			618
10			72.5	32	05/20/2014 16:38:37	39 25.6293°N	15 17.5138°W	4	w12-1			618
11	9.4	2.8	45.4	14.3	05/20/2014 16:41:07	39 25.6446°N	15 17.6339°W	5	W3-1			618
12			0.4	0.3	05/20/2014 16:42:01	39 25.6633°N	15 17.7913°W	5	W1-2 R			618
13			6.7	3.1	05/20/2014 16:47:59	39 26.2966°N	15 18.6368°W	8	W1-2 L			618
14	48.7	30.8	523	220	05/20/2014 16:50:15	39 26.2952°N	15 18.6358°W	3	W3-1			618
15			471	270	05/20/2014 16:52:32	39 26.3479°N	15 18.6998°W	4	W1-8 R			618
16			493	287	05/20/2014 16:53:07	39 26.3497°N	15 18.6912°W	4	W1-8 R			618
17	282	186	96.6	64.1	05/20/2014 16:54:11	39 26.3502°N	15 18.6913°W	4	R1-1			618
18			42.8	17.4	05/20/2014 17:07:00	39 24.4856°N	15 23.1498°W	6	W1-2 R			642
19	411	154	14.1	8.5	05/20/2014 17:11:00	39 24.4896°N	15 22.9640°W	7	R1-1			642
20			58.2	24.3	05/20/2014 17:12:46	39 24.4702°N	15 22.9260°W	5	W1-2 L			642
21			89.7	38.9	05/20/2014 17:15:58	39 24.2450°N	15 22.5912°W	8	W1-2 R			642
22			27	12.5	05/20/2014 17:16:37	39 24.2457°N	15 22.5945°W	7	W1-2 L			642
23	394	232	57.4	36.2	05/20/2014 17:19:00	39 24.1026°N	15 22.4967°W	5	R1-1			642
24	589	251	103	47.5	05/20/2014 17:21:45	39 24.1036°N	15 22.5209°W	10	R1-1			642
25	407	244	57.9	37.3	05/20/2014 17:46:39	39 30.6538°N	15 14.2227°W	6	R1-1			612
26	499	259	95.4	49.7	05/20/2014 17:48:08	39 30.6547°N	15 14.2286°W	5	R1-1			612
27			516	246	05/20/2014 17:55:36	39 28.3373°N	15 14.9258°W	9	W1-7			704
28	497	242	113	62.1	05/20/2014 17:57:28	39 28.3284°N	15 14.9319°W	9	R1-1			704
29			519	237	05/20/2014 17:58:10	39 28.3101°N	15 14.9438°W	10	W1-8 R			704
30			510	229	05/20/2014 17:58:33	39 28.3103°N	15 14.9474°W	11	W1-8 L			704
31			474	203	05/20/2014 17:58:55	39 28.3173°N	15 14.9603°W	12	w1-2 R			704
32			519	219	05/20/2014 17:59:32	39 28.3191°N	15 14.9779°W	9	W1-8 L			704

33			537	237	05/20/2014 18:00:10	39 28.3168'	15 14.9797'	7	w8-5	704
34			499	230	05/20/2014 18:01:03	39 28.3202'	15 14.9816'	8	w8-5P	704
35			512	234	05/20/2014 18:04:57	39 28.3156'	15 14.9789'	6	W1-8 R	704
36			519	228	05/20/2014 18:05:26	39 28.3143'	15 14.9835'	7	W1-8 L	704
37			519	231	05/20/2014 18:06:13	39 28.3143'	15 14.9967'	7	W1-8 R	704
38			503	230	05/20/2014 18:06:54	39 28.3192'	15 15.0084'	8	W1-8 L	704
39			499	229	05/20/2014 18:07:29	39 28.3190'	15 15.0089'	9	W1-8 R	704
40			527	234	05/20/2014 18:07:53	39 28.3182'	15 15.0087'	9	W1-8 L	704
41			6.6	2.5	05/20/2014 18:09:58	39 28.3453'	15 15.0608'	7	W2-2	704
42			331	177	05/20/2014 18:10:48	39 28.3454'	15 15.0557'	8	W1-3 L	704
43			38	18.4	05/20/2014 18:11:40	39 28.3570'	15 15.0798'	8	W13-1P	704
44			456	266	05/20/2014 18:13:15	39 28.3593'	15 15.0925'	7	W1-8 R	704
45			475	243	05/20/2014 18:14:06	39 28.3630'	15 15.0954'	7	W1-8 L	704
46			485	282	05/20/2014 18:14:39	39 28.3630'	15 15.0953'	6	W1-8 R	704
47			504	234	05/20/2014 18:16:07	39 28.3594'	15 15.1143'	9	W1-8 L	704
48			504	228	05/20/2014 18:16:34	39 28.3609'	15 15.1168'	10	W1-8 R	704
49			503	242	05/20/2014 18:17:39	39 28.3713'	15 15.1292'	8	W1-8 L	704
50			506	240	05/20/2014 18:18:14	39 28.3709'	15 15.1297'	9	W1-8 R	704
51			470	221	05/20/2014 18:23:11	39 28.3577'	15 15.2329'	7	W1-8 L	704
52			384	195	05/20/2014 18:23:48	39 28.3566'	15 15.2345'	7	W1-3 R	704
53			27.8	14.8	05/20/2014 18:25:18	39 28.3576'	15 15.2617'	9	W13-1P	704
54			515	232	05/20/2014 18:26:10	39 28.3552'	15 15.2823'	8	W1-8 L	704
55			476	223	05/20/2014 18:26:33	39 28.3542'	15 15.2845'	8	W1-8 R	704
56			492	240	05/20/2014 18:27:34	39 28.3591'	15 15.2997'	9	W1-8 L	704
57			498	231	05/20/2014 18:29:32	39 28.3560'	15 15.3060'	4	W1-8 R	704
58			515	235	05/20/2014 18:32:03	39 28.3735'	15 15.3879'	8	W1-8 R	704
59			493	231	05/20/2014 18:33:08	39 28.3771'	15 15.4167'	9	W1-8 R	704
60			432	203	05/20/2014 18:35:14	39 28.3727'	15 15.4543'	3	W1-8 R	704
61	589	306	108	59.5	05/20/2014 18:38:02	39 28.3732'	15 15.4511'	6	R1-1	704
62			378	196	05/20/2014 18:41:03	39 28.3458'	15 15.5038'	6	W1-5 L	704
63			469	217	05/20/2014 18:43:09	39 28.3314'	15 15.5468'	6	W13-1P	704
64			519	245	05/20/2014 18:44:11	39 28.3273'	15 15.5712'	6	R2-1	704
65	10	2.7	38.6	15.2	05/20/2014 18:46:07	39 28.2989'	15 15.6609'	6	W3-1	704
66	491	165	0.4	0.3	05/20/2014 18:48:35	39 28.3009'	15 15.6608'	4	R1-1	704

67	517	254	101	54.2	05/20/2014 19:01:58	39 26.7511'	5 13.6450'	5-	R1-1	659
68			46	21.1	05/20/2014 19:02:37	39 26.7502'	5 13.6456'	5	W11-1	659
69			509	192	05/20/2014 19:06:39	39 26.7501'	5 13.5611'	6	w10-1	659
70	588	202	19.6	11.4	05/20/2014 19:07:40	39 26.7437'	5 13.5587'	6	R1-1	659
71	533	244	86.6	46	05/20/2014 19:08:32	39 26.7442'	5 13.5585'	5	R1-1	659
72			66.6	19.7	05/20/2014 19:10:48	39 26.7334'	5 13.4671'	6	R2-1	659
73			48.1	22.1	05/20/2014 19:11:20	39 26.7364'	5 13.4692'	5	W11-1	659
74			41.5	19.1	05/20/2014 19:14:25	39 26.7369'	5 13.4702'	5	W11-1	659
75	236	79.1	29.4	11.3	05/20/2014 19:18:41	39 26.7269'	5 13.3596'	6	R1-1	659
76			42.1	19.5	05/20/2014 19:21:47	39 26.7185'	5 13.2649'	5	W11-1	659
77			55.3	24.7	05/20/2014 19:22:18	39 26.7222'	5 13.2670'	5	R2-1	659
78	13.8	5.9	84.5	35.3	05/20/2014 19:23:25	39 26.7250'	5 13.2682'	5	R5-1	659
79	27.7	9.9	212	64.9	05/20/2014 19:24:26	39 26.7219'	5 13.2592'	6	R5-1	659
80			139	51.9	05/20/2014 19:34:13	39 26.7149'	5 13.2690'	5	r6-1 L	659
81			530	261	05/20/2014 19:42:19	39 27.3444'	5 10.3526'	7	R2-1	659
82			54	22.8	05/20/2014 19:43:14	39 27.3492'	5 10.3595'	6	W2-1	659
83			77.8	31.9	05/20/2014 19:44:44	39 27.4214'	5 10.2578'	7	R2-1	659
84			56.3	25.4	05/20/2014 19:46:21	39 27.4314'	5 10.2419'	8	R2-1	659
85			50.5	26.1	05/20/2014 19:47:37	39 27.4441'	5 10.2299'	7	W2-2	659
86	522	229	447	228	05/20/2014 19:50:48	39 27.5053'	5 10.1352'	8	w3-5	659
87			44	21.2	05/20/2014 19:51:17	39 27.5038'	5 10.1357'	8	W1-7	659
88	246	80.1	18.2	7.1	05/20/2014 19:52:54	39 27.5257'	5 10.1317'	6	R1-1	659
89	671	225	62	26.8	05/20/2014 19:54:15	39 27.5271'	5 10.1332'	4	R1-1	659
90			64	27.2	05/20/2014 19:59:36	39 27.5769'	5 10.0321'	5	W2-2	659
91	40	19.6	19.1	9.8	05/20/2014 20:02:32	39 27.6513'	5 9.9332'	5	R1-1	659
92			41.5	17.9	05/20/2014 20:04:16	39 27.7000'	5 9.8640'	7	W1-7	659
93			63	26.8	05/20/2014 20:07:07	39 27.6962'	5 9.8633'	8	W2-2	659
94			0.5	0.4	05/20/2014 20:09:18	39 27.8945'	5 9.5817'	7	W1-2 R	659
95			35	16.5	05/20/2014 20:09:42	39 27.8947'	5 9.5821'	7	W13-1P	659
96	586	204	75.1	30.6	05/20/2014 20:13:10	39 27.9192'	5 9.5400'	5	R1-1	659
97			134	36.3	05/20/2014 20:14:31	39 27.9506'	5 9.5049'	5	W1-8 L	659
98			170	45.4	05/20/2014 20:15:18	39 27.9528'	5 9.4924'	5	W1-8 L	659
99			76.3	21.7	05/20/2014 20:16:24	39 27.9577'	5 9.4854'	5	W1-8 R	659
100			80.1	22.2	05/20/2014 20:17:13	39 27.9525'	5 9.4861'	5	W1-8 R	659

IPS Datum

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Msrmt Number	0.2 Alpha Legend	0.5 Alpha Legend	0.2 Alpha Bkgrnd	0.5 Alpha Bkgrnd	Date/Time	Latitude	Longitude	Position Accuracy (m)	Barcode	Standard Comments	User Comment	Route
1	606	287	123	64.8	05/31/2014 07:07:50	39 16'48.01N	75 10'26.66W	6	R1-2			643
2	106	55.7	268	130	05/31/2014 07:09:57	39 16'41.11N	75 10'29.11W	5	W3-2			643
3			43.1	20	05/31/2014 07:11:27	39 16'37.54N	75 10'30.65W	7	W1-2 R			643
4			12.6	6.8	05/31/2014 07:11:48	39 16'37.48N	75 10'30.70W	7	W13-1P			643
5			11.3	5	05/31/2014 07:13:04	39 16'29.93N	75 10'34.84W	7	W1-2 L			643
6			14	5.9	05/31/2014 07:13:25	39 16'30.13N	75 10'34.97W	7	W13-1P			643
7			462	203	05/31/2014 07:13:52	39 16'30.17N	75 10'34.97W	6	R2-1			643
8			18.2	8.6	05/31/2014 07:15:18	39 16'22.94N	75 10'40.23W	8	W1-2 R			643
9			2.4	1.5	05/31/2014 07:15:37	39 16'22.93N	75 10'40.19W	7	W13-1P			643
10			53.7	23.6	05/31/2014 07:17:39	39 16'15.44N	75 10'52.50W	6	W1-2 L			643
11			4.7	2.5	05/31/2014 07:18:05	39 16'15.44N	75 10'52.52W	6	W13-1P			643
12			61.9	25.9	05/31/2014 07:21:34	39 16'17.25N	75 11'18.37W	5	W1-2 R			643
13			1.5	0.9	05/31/2014 07:21:50	39 16'17.27N	75 11'18.32W	5	W13-1P			643
14			6.2	2.9	05/31/2014 07:23:24	39 16'21.11N	75 11'29.59W	6	W1-2 L			643
15			7.2	3.4	05/31/2014 07:23:49	39 16'21.19N	75 11'29.54W	6	W13-1P			643
16			321	163	05/31/2014 07:25:35	39 16'29.22N	75 11'41.60W	8	W1-1 L			643
17			515	235	05/31/2014 07:25:55	39 16'29.11N	75 11'41.62W	8	W13-1P			643
18			54.2	23.4	05/31/2014 07:27:28	39 16'31.78N	75 11'45.33W	6	w8-18			643
19			302	209	05/31/2014 07:30:37	39 16'32.74N	75 11'46.85W	7	W1-6 L			643
20			318	221	05/31/2014 07:31:02	39 16'32.68N	75 11'46.72W	7	W1-6 R			643
21			371	169	05/31/2014 07:33:57	39 16'30.64N	75 11'51.35W	6	W1-1 R			643
22			512	212	05/31/2014 07:34:10	39 16'30.59N	75 11'51.37W	7	W13-1P			643
23			373	173	05/31/2014 07:34:51	39 16'30.40N	75 11'51.29W	7	W1-1 R			643
24			536	221	05/31/2014 07:35:11	39 16'30.46N	75 11'51.36W	7	W13-1P			643
25			361	170	05/31/2014 07:37:04	39 16'28.67N	75 12' 2.66W	6	W1-1 L			643
26			528	222	05/31/2014 07:37:19	39 16'28.69N	75 12' 2.71W	6	W13-1P			643
27			352	163	05/31/2014 07:44:17	39 16'25.27N	75 12'16.73W	6	W1-1 R			643
28			507	205	05/31/2014 07:44:39	39 16'25.44N	75 12'16.59W	6	W13-1P			643
29			341	170	05/31/2014 07:46:19	39 16'22.01N	75 12'29.93W	6	W1-1 L			643
30			491	219	05/31/2014 07:47:29	39 16'22.12N	75 12'29.95W	4	W13-1P			643
31	529	270	137	76.7	05/31/2014 07:48:51	39 16'22.12N	75 12'34.25W	4	R1-1			643
32			361	197	05/31/2014 07:50:48	39 16'20.24N	75 12'55.25W	5	W1-3 L			643

33			494	216	05/31/2014 07:51:08	39 16'20.36N 75 12'55.21W	4	W13-1P	643
34			318	164	05/31/2014 07:52:30	39 16'19.53N 75 13'15.67W	5	W1-1 R	643
35			483	219	05/31/2014 07:52:45	39 16'19.52N 75 13'15.58W	5	W13-1P	643
36			310	149	05/31/2014 07:54:08	39 16'21.23N 75 13'31.13W	5	W1-1 L	643
37			502	207	05/31/2014 07:54:36	39 16'21.25N 75 13'31.25W	4	W13-1P	643
38	610	295	131	67.5	05/31/2014 07:59:29	39 16'25.33N 75 13'44.88W	4	R1-2	643
39			461	200	05/31/2014 07:59:51	39 16'25.52N 75 13'45.04W	4	W1-8 L	643
40			286	194	05/31/2014 08:00:10	39 16'25.65N 75 13'44.96W	5	W1-8 R	643
41			49.3	21.9	05/31/2014 08:02:52	39 16'30.31N 75 13'49.85W	5	W1-2 L	643
42	114	61.3	406	187	05/31/2014 08:04:53	39 16'58.10N 75 14' 8.75W	5	W3-1	643
43	375	177	77.6	41.2	05/31/2014 08:06:57	39 17' 3.47N 75 14'12.49W	5	R1-1	643
44			364	182	05/31/2014 08:08:17	39 16'59.64N 75 14'10.20W	5	R2-1	643
45	590	280	150	77.3	05/31/2014 08:11:20	39 16'17.96N 75 13'51.44W	4	R1-1	643
46			32.8	14.9	05/31/2014 08:12:29	39 16'19.74N 75 13'50.34W	5	W1-2 R	643
47			0.5	0.3	05/31/2014 08:12:47	39 16'19.74N 75 13'50.37W	5	W13-1P	643
48	90.6	46.3	190	94.3	05/31/2014 08:13:58	39 16'22.94N 75 13'49.00W	5	W3-2	643
49	367	242	28.3	27.1	05/31/2014 08:22:23	39 16'17.89N 75 10'41.92W	5	R1-1	734
50	697	229	71.3	27.3	05/31/2014 08:25:35	39 16' 5.20N 75 09'58.54W	7	R1-1	734
51	534	223	136	64.6	05/31/2014 08:33:14	39 14'17.67N 75 10'17.89W	4	R1-1	637
52	439	201	106	54.6	05/31/2014 08:34:17	39 14'18.05N 75 10'16.78W	5	R1-1	637
53	268	166	80.1	42.9	05/31/2014 08:36:26	39 14'18.40N 75 10'14.67W	5	R1-1	637
54	18.6	7.4	5.8	1.9	05/31/2014 08:37:21	39 14'19.21N 75 10'14.18W	5	R1-1	637
55			316	215	05/31/2014 08:41:16	39 14'19.58N 75 10'10.97W	4	W1-1 L	637
56			50.3	26.7	05/31/2014 08:41:35	39 14'19.59N 75 10'10.93W	4	W13-1P	637
57			21	10.1	05/31/2014 08:42:38	39 14'20.83N 75 10' 7.55W	6	W11-8	637
58	481	212	162	76.4	05/31/2014 08:44:05	39 14'23.78N 75 10' 6.64W	5	R1-1	637
59			34.6	14.8	05/31/2014 08:45:24	39 14'26.03N 75 10' 7.68W	5	W11-8	637
60	561	220	167	88.6	05/31/2014 08:46:26	39 14'26.30N 75 10' 7.46W	5	R1-1	637
61			299	202	05/31/2014 08:48:03	39 14'27.79N 75 10' 8.29W	5	W1-1 R	637
62			35.9	15.1	05/31/2014 08:48:21	39 14'27.86N 75 10' 8.38W	5	W13-1P	637
63	43	19.9	6.3	2.1	05/31/2014 08:49:24	39 14'28.66N 75 10' 8.47W	4	R1-1	637
64	45.6	21.3	6.4	2.2	05/31/2014 08:51:29	39 14'30.76N 75 10' 9.62W	5	R1-1	637
65	375	192	24.7	15.8	05/31/2014 08:52:56	39 14'31.88N 75 10'10.42W	5	R1-1	637
66	525	217	134	61.9	05/31/2014 08:56:59	39 14'33.40N 75 10'11.16W	5	R1-1	637
67			23.9	12.9	05/31/2014 09:04:06	39 14'41.08N 75 10'13.58W	5	W1-2 R	637

68		0.8	0.6	05/31/2014 09:04:33	39 14'41.11N	75 10'13.56W	5	W13-1P	637	
69		376	207	05/31/2014 09:06:19	39 15' 3.62N	75 10'11.83W	6	W1-2 R	637	
70		23.7	12.4	05/31/2014 09:07:51	39 15'14.86N	75 10' 2.87W	6	W1-2 L	637	
71		58.1	26.6	05/31/2014 09:09:19	39 15'15.73N	75 10' 1.30W	6	W1-2 L	637	
72		63.3	30.3	05/31/2014 09:11:13	39 15'20.24N	75 09'55.48W	5	w8-18	637	
73		40	18.2	05/31/2014 09:13:01	39 15'31.85N	75 09'53.18W	7	R2-1	637	
74		395	176	05/31/2014 09:14:39	39 15'34.90N	75 09'53.98W	7	W1-2 R	637	
75		394	210	05/31/2014 09:15:47	39 15'43.97N	75 09'56.14W	9	W1-2 R	637	
76		16.8	8.2	05/31/2014 09:17:10	39 15'47.33N	75 09'57.25W	8	R2-1	637	
77		182	74.4	05/31/2014 09:19:06	39 15'58.31N	75 09'58.33W	7	W1-2 L	637	
78		50.3	34.3	05/31/2014 09:20:30	39 16'11.95N	75 09'58.25W	8	W1-2 L	637	
79		3.1	1.7	05/31/2014 09:20:56	39 16'11.95N	75 09'58.21W	6	W13-1P	637	
80		50.9	20.6	05/31/2014 09:22:06	39 16'16.27N	75 09'57.51W	13	S3-1	637	
81		0.5	0.4	05/31/2014 09:23:08	39 16'21.95N	75 09'59.75W	5	W1-2 R	637	
82		21.4	11.7	05/31/2014 09:23:29	39 16'21.92N	75 09'59.68W	5	W13-1P	637	
83		47.2	19.7	05/31/2014 09:25:41	39 16'29.32N	75 10' 3.88W	8	S3-1	637	
84		479	183	05/31/2014 09:26:31	39 16'30.45N	75 10' 5.57W	11	W1-2 R	637	
85		18.8	10.4	05/31/2014 09:26:50	39 16'30.48N	75 10' 5.56W	12	W13-1P	637	
86		59	26.4	05/31/2014 09:28:34	39 16'38.93N	75 10'17.02W	8	R2-1	637	
87		52	25.7	05/31/2014 09:30:05	39 16'40.78N	75 10'19.60W	10	W1-2 R	637	
88		25	15.3	05/31/2014 09:30:22	39 16'40.92N	75 10'19.70W	10		637	
89		333	158	05/31/2014 09:31:38	39 16'44.67N	75 10'24.59W	5	W1-8 R	637	
90		528	220	05/31/2014 09:32:06	39 16'44.74N	75 10'24.56W	5	*-)*%	637	
91		555	213	05/31/2014 09:32:56	39 16'45.65N	75 10'25.28W	5	W1-8 R	637	
92		546	216	05/31/2014 09:33:17	39 16'45.73N	75 10'25.42W	5	W1-8 L	637	
93		558	208	05/31/2014 09:34:12	39 16'46.90N	75 10'25.96W	5	W1-8 R	637	
94		387	169	05/31/2014 09:35:16	39 16'46.90N	75 10'25.88W	3	W1-8 L	637	
95		46.9	15.4	05/31/2014 09:37:28	39 16'53.90N	75 10'26.91W	6	W2-5	637	
96		321	205	05/31/2014 09:38:57	39 16'57.05N	75 10'28.42W	5	W1-4 R	637	
97	705	204	0.3	0.3	05/31/2014 09:40:55	39 17' 2.44N	75 10'29.90W	7	R1-1	637
98		84.2	35.6	05/31/2014 09:43:08	39 17'27.04N	75 10'32.07W	8		637	
99		6.4	3.3	05/31/2014 09:43:54	39 17'28.07N	75 10'32.42W	8	W1-2 L	637	
100		51.3	20.4	05/31/2014 09:44:23	39 17'29.17N	75 10'32.47W	9	S3-1	637	
101		17.6	9.5	05/31/2014 09:45:12	39 17'30.23N	75 10'32.77W	9	R2-1	637	
102		2.7	1.6	05/31/2014 09:46:38	39 17'36.79N	75 10'35.44W	6	W1-2 R	637	

103	93.9	160	10.2	11.7	05/31/2014 09:47:24	39 17'36.85N 75 10'35.20W	6	R1-1	637
104	10	3.2	42	17.1	05/31/2014 09:48:59	39 17'40.43N 75 10'37.79W	7	W3-1	637
105	543	248	127	66.2	05/31/2014 09:50:14	39 17'46.78N 75 10'41.09W	7	R1-1	637
106			40.5	16.3	05/31/2014 09:50:55	39 17'47.47N 75 10'41.36W	6	W14-2	656
107			426	223	05/31/2014 09:51:13	39 17'47.44N 75 10'41.30W	7	W1-7	656
108			12.1	7	05/31/2014 09:52:23	39 17'46.46N 75 10'41.35W	6	R2-1	656
109			0.6	0.4	05/31/2014 09:55:54	39 17'29.63N 75 11'46.48W	7	W14-1	656
110	535	272	100	54.8	05/31/2014 10:06:31	39 17'40.09N 75 11' 7.67W	8	R1-1	656
111			644	260	05/31/2014 10:07:43	39 17'42.32N 75 11' 0.47W	8	R2-1	656
112			448	218	05/31/2014 10:09:25	39 17'43.54N 75 10'55.57W	6	R2-1	656
113			5.1	2.5	05/31/2014 10:17:44	39 17'49.47N 75 10'35.43W	7	W2-2	656
114			460	223	05/31/2014 10:19:04	39 17'49.93N 75 10'34.02W	6	R2-1	656
115			0.2	0.2	05/31/2014 10:20:18	39 17'54.60N 75 10'24.03W	6	S3-1	656
116	9	2.6	32.8	13.5	05/31/2014 10:23:10	39 18' 8.08N 75 09'57.32W	10	W3-1	656
117	245	85	19	7.6	05/31/2014 10:24:57	39 18'10.99N 75 09'51.67W	6	R1-1	656
118	506	246	96.2	52.2	05/31/2014 10:25:43	39 18'11.24N 75 09'51.89W	6	R1-1	656
119	3.1	1.7	39.5	19.2	05/31/2014 10:28:42	39 17'41.47N 75 09'58.86W	7	W3-1	732
120	198	200	27	23.7	05/31/2014 10:31:13	39 17'48.05N 75 10'35.08W	7	R1-1	732
121	125	170	10.2	8.9	05/31/2014 10:32:17	39 17'48.38N 75 10'35.62W	7	R1-1	732
122	493	191	24.3	9.1	05/31/2014 10:36:41	39 18'12.31N 75 09'49.94W	6	R1-1	656
123	7.3	3.1	121	46.1	05/31/2014 10:38:21	39 18'15.02N 75 09'43.66W	6	W3-1	656
124	13.5	8.5	3.3	2.2	05/31/2014 10:40:31	39 18'23.21N 75 09'28.30W	6	R1-2	656
125			77.4	37.3	05/31/2014 10:44:19	39 18'27.61N 75 09'26.35W	8	w10-1	656
126			4.1	2.1	05/31/2014 10:45:36	39 18'37.84N 75 09'21.85W	11	w10-1	656
127			532	295	05/31/2014 10:46:32	39 18'38.05N 75 09'21.14W	11	W1-2 L	656
128			521	295	05/31/2014 10:48:02	39 18'44.65N 75 09'23.09W	8	W1-2 R	656
129	191	65.9	10.8	4.3	05/31/2014 10:50:22	39 18'51.10N 75 09'40.34W	6	R1-1	656
130	545	236	100	54.7	05/31/2014 10:56:02	39 17'56.36N 75 10'22.99W	6	R1-1	629
131			9	4.7	05/31/2014 10:57:20	39 18' 6.38N 75 10'23.92W	10	W1-1 R	629
132			22.4	11.8	05/31/2014 10:57:41	39 18' 6.31N 75 10'23.91W	8	W13-1P	629
133			303	201	05/31/2014 10:59:05	39 18' 9.76N 75 10'24.56W	7	W1-8 L	629
134			440	217	05/31/2014 10:59:32	39 18' 9.73N 75 10'24.66W	5	W1-8 L	629
135			477	222	05/31/2014 11:00:10	39 18' 9.92N 75 10'24.62W	5	W1-8 L	629
136			370	173	05/31/2014 11:00:32	39 18'10.18N 75 10'24.47W	6	W1-8 R	629
137			386	173	05/31/2014 11:00:52	39 18'10.15N 75 10'24.27W	6	W1-8 R	629

138	1.5	0.8	146	56.5	05/31/2014 11:03:39	39 18'22.85N	75 10' 7.71W	6	W3-1	629
139	374	244	123	82.8	05/31/2014 11:04:58	39 18'27.06N	75 10' 2.12W	8	R1-1	629
140	501	265	114	60.6	05/31/2014 11:06:53	39 18'27.98N	75 10' 1.13W	6	R1-1	629
141	146	75.9	449	226	05/31/2014 11:08:05	39 18'31.86N	75 09'56.47W	5	W3-1	629
142			4.1	2	05/31/2014 11:09:13	39 18'36.06N	75 09'52.50W	7	w10-1	629
143			23.1	11.6	05/31/2014 11:10:48	39 18'44.61N	75 09'45.93W	5	w10-1	629
144			101	41.3	05/31/2014 11:11:39	39 18'45.13N	75 09'45.39W	8	W2-1	629
145	39.4	15.6	14.5	5	05/31/2014 11:13:47	39 18'51.25N	75 09'41.18W	6	r1-1	629
146			477	273	05/31/2014 11:15:37	39 18'56.86N	75 09'36.32W	10	W2-1	629
147			71.7	31.5	05/31/2014 11:17:46	39 19'27.68N	75 09'11.52W	8	W2-2	629
148	588	237	127	59.7	05/31/2014 11:20:34	39 19'34.10N	75 09' 6.80W	5	R1-1	629
149			21.6	9.9	05/31/2014 11:21:56	39 19'37.75N	75 09' 4.49W	7	W2-1	629
150	434	181	93.5	43.6	05/31/2014 11:25:15	39 20'16.85N	75 08'32.81W	6	R1-1	629
151	50.5	20.7	4.6	2	05/31/2014 11:30:22	39 20'47.36N	75 08' 7.06W	5	R1-1	629
152	53.2	21.7	6.9	2.8	05/31/2014 11:31:49	39 20'47.44N	75 08' 7.69W	5	r1-1	629
153	136	71.3	389	200	05/31/2014 11:35:08	39 21' 6.10N	75 07'52.19W	8	R1-1	629
154	45.1	17.2	10.7	3.3	05/31/2014 11:35:32	39 21' 6.05N	75 07'52.15W	6		629
155			461	198	05/31/2014 11:36:14	39 21' 6.15N	75 07'52.00W	6	W12-1	629
156			12.4	6.7	05/31/2014 13:06:14	39 23'54.25N	75 03'41.05W	24	W1-1 R	698
157			12.5	6.5	05/31/2014 13:07:05	39 23'53.57N	75 03'40.84W	11	W13-1P	698
158	309	235	32.1	35.9	05/31/2014 13:09:15	39 23'51.07N	75 03'40.97W	5	R1-1	698
159			541	233	05/31/2014 13:09:46	39 23'50.51N	75 03'41.11W	5	W1-8 L	698
160			539	235	05/31/2014 13:10:06	39 23'50.50N	75 03'41.21W	5	W1-8 L	698
161			519	225	05/31/2014 13:10:34	39 23'50.24N	75 03'41.31W	6	W1-8 L	698
162			522	226	05/31/2014 13:10:54	39 23'50.41N	75 03'41.57W	6	W1-8 L	698
163			161	61.3	05/31/2014 13:13:48	39 23'50.24N	75 03'44.53W	6	W3-3	698
164			296	202	05/31/2014 13:15:27	39 23'49.88N	75 03'48.15W	7	W1-1 L	698
165			25	12.9	05/31/2014 13:15:43	39 23'49.93N	75 03'48.23W	7	W13-1P	698
166			584	295	05/31/2014 13:17:12	39 23'49.71N	75 03'50.96W	7	R2-1	698
167			5.3	2.4	05/31/2014 13:18:14	39 23'49.45N	75 03'53.63W	9	W2-2	698
168	339	226	100	66.9	05/31/2014 13:20:53	39 23'49.03N	75 03'57.99W	7	R1-1	698
169			8.6	3.8	05/31/2014 13:22:07	39 23'48.74N	75 04' 2.98W	8	W2-2	698
170			633	242	05/31/2014 13:23:26	39 23'48.34N	75 04' 8.25W	7	R2-1	698
171	793	300	173	74.3	05/31/2014 13:24:47	39 23'48.02N	75 04'14.59W	8	R1-1	698
172			627	291	05/31/2014 13:25:21	39 23'48.00N	75 04'15.24W	8	R2-1	698

173			3.1	1.7	05/31/2014 13:26:22	39 23'47.74N 75 04'18.22W	9	W2-2	698
174	38.9	22.1	14.2	8.2	05/31/2014 13:27:20	39 23'47.71N 75 04'18.95W	6	R1-1	698
175			0.8	0.5	05/31/2014 13:27:52	39 23'47.40N 75 04'18.81W	6	W2-2	698
176	36.5	20	8.1	4.4	05/31/2014 13:29:16	39 23'47.37N 75 04'23.72W	6	R1-1	698
177	131	66.8	412	201	05/31/2014 13:30:20	39 23'46.94N 75 04'24.74W	6	W3-1	698
178	21.6	16.9	340	223	05/31/2014 13:31:01	39 23'47.24N 75 04'25.16W	5	W3-1	698
179			430	195	05/31/2014 13:32:07	39 23'47.10N 75 04'26.28W	6	W2-1	698
180	476	253	110	62.5	05/31/2014 13:33:50	39 23'46.28N 75 04'31.41W	6	R1-1	698
181	513	245	190	93.6	05/31/2014 13:34:41	39 23'46.28N 75 04'31.43W	6	R1-3P	698
182	570	263	157	73.7	05/31/2014 13:35:55	39 23'46.61N 75 04'31.20W	6	R1-1	698
183	505	233	202	93.4	05/31/2014 13:36:28	39 23'46.58N 75 04'31.20W	6	R1-3P	698
184			372	254	05/31/2014 13:37:32	39 23'46.69N 75 04'31.09W	4		698
185			416	260	05/31/2014 13:38:04	39 23'46.76N 75 04'31.23W	5	W16-7P	698

PS Datum
100

Msrmt Number	0.2 Alpha Legend	0.5 Alpha Legend	0.2 Alpha Bkgrnd	0.5 Alpha Bkgrnd	Date/Time	Latitude	Longitude	Position Accuracy (m)	Barcode	Standard Comments	User Comment	Route
1			39.4	14.8	06/04/2014 17:19:09	39 27'52.98N	74 58'40.60W	99	W2-1			655
2	592	242	140	64.8	06/04/2014 17:23:04	39 27'48.84N	74 58'46.06W	99	R1-1			655
3			556	269	06/04/2014 17:24:54	39 27'41.33N	74 58'53.78W	99	R8-3			655
4			526	214	06/04/2014 17:26:01	39 27'40.73N	74 58'54.63W	14	R8-3			655
5			529	212	06/04/2014 17:26:46	39 27'40.07N	74 58'55.41W	10	R8-3			655
6			538	252	06/04/2014 17:27:17	39 27'39.30N	74 58'56.32W	9	R8-3			655
7			501	243	06/04/2014 17:28:24	39 27'37.63N	74 58'58.01W	8	R8-3			655
8			512	239	06/04/2014 17:28:53	39 27'37.57N	74 58'57.92W	8	R8-3			655
9			574	267	06/04/2014 17:29:26	39 27'36.87N	74 58'58.69W	9	R8-3			655
10			516	240	06/04/2014 17:30:06	39 27'36.08N	74 58'59.67W	9	R8-3			655
11			140	55.5	06/04/2014 17:31:11	39 27'35.70N	74 58'59.89W	7	R2-1			655
12			545	218	06/04/2014 17:32:02	39 27'35.62N	74 59' 0.08W	8	R8-3			655
13			586	233	06/04/2014 17:32:49	39 27'34.72N	74 59' 1.09W	8	R8-3			655
14			537	220	06/04/2014 17:33:26	39 27'33.93N	74 59' 1.82W	7	R8-3			655
15			14.1	8.8	06/04/2014 17:34:27	39 27'32.27N	74 59' 4.10W	6	R2-1			655
16			627	258	06/04/2014 17:37:28	39 27'29.83N	74 59' 6.60W	5	r3-8*			655
17			1.4	1.4	06/04/2014 17:37:51	39 27'29.81N	74 59' 6.65W	5	R7-19			655
18			562	250	06/04/2014 17:38:50	39 27'29.36N	74 59' 7.30W	5	r3-8*			655
19			518	267	06/04/2014 17:41:31	39 27'29.97N	74 59' 6.50W	7	r3-71			655
20			96.8	41.6	06/04/2014 17:44:23	39 27'21.25N	74 59'15.67W	9	R2-1			655
21			3.6	2.1	06/04/2014 17:45:30	39 27'16.13N	74 59'21.82W	6	R2-1			655
22			45.7	18	06/04/2014 17:46:25	39 27'14.30N	74 59'23.46W	8	W2-2			655
23			79.1	36.6	06/04/2014 17:48:11	39 27'13.18N	74 59'24.98W	6	W1-7			655
24	435	202	110	54.2	06/04/2014 17:50:04	39 27'11.17N	74 59'27.50W	6	R1-1			655
25			396	188	06/04/2014 17:52:27	39 27' 2.11N	74 59'37.25W	8	W2-2			655
26	204	69.9	21.7	8.7	06/04/2014 17:55:11	39 26'56.23N	74 59'44.20W	6	R1-1			655
27			2.7	1.5	06/04/2014 17:56:25	39 26'47.39N	74 59'53.69W	7	W3-3			655
28			19.6	8.9	06/04/2014 17:58:07	39 26'36.12N	75 00' 6.42W	6	R2-1			655
29	681	200	59.5	24.3	06/04/2014 18:01:20	39 26'24.82N	75 00'19.22W	6	R1-1			655
30			49.4	20.6	06/04/2014 18:02:20	39 26'23.46N	75 00'20.83W	8	W2-2			655
31	518	253	113	59.4	06/04/2014 18:05:36	39 26'18.34N	75 00'26.42W	7	R1-1			655
32			37.3	15.7	06/04/2014 18:06:42	39 26'15.78N	75 00'29.11W	7	W2-2			655

33			386	178	06/04/2014 18:08:25	39 26'10.86N 75 00'34.43W	8	W1-7	655
34			1.8	0.9	06/04/2014 18:09:41	39 26' 3.02N 75 00'43.50W	6	R2-1	655
35	329	148	28.9	15.1	06/04/2014 18:12:00	39 25'55.11N 75 00'51.97W	6	r1-1	655
36			48	19.3	06/04/2014 18:13:15	39 25'54.28N 75 00'52.88W	7	W2-2	655
37	319	209	86.5	59.1	06/04/2014 18:16:41	39 25'53.02N 75 00'54.51W	5	R1-1	655
38	255	90.5	29.7	12.3	06/04/2014 18:18:54	39 25'50.87N 75 00'56.84W	5	R1-1	655
39			288	195	06/04/2014 18:20:28	39 25'35.47N 75 01'14.05W	8	W1-1 R	655
40			50	25	06/04/2014 18:20:47	39 25'35.48N 75 01'13.89W	8	W13-1P	655
41	378	233	86.6	55.4	06/04/2014 18:23:38	39 25'32.86N 75 01'17.39W	5	R1-1	655
42			95.2	41.7	06/04/2014 18:26:04	39 25'29.85N 75 01'23.72W	5	r3-8b	655
43			80.7	35.7	06/04/2014 18:27:20	39 25'29.68N 75 01'25.67W	6	r3-8b	655
44	356	236	111	74.3	06/04/2014 18:27:51	39 25'29.62N 75 01'25.61W	6		655
45	87.5	37.7	19.4	9.9	06/04/2014 18:28:38	39 25'29.73N 75 01'26.02W	5	R5-1	655
46			59	24.9	06/04/2014 18:30:14	39 25'29.38N 75 01'26.14W	6	R4-7	655
47			628	284	06/04/2014 18:31:04	39 25'29.32N 75 01'25.27W	6	R4-7	655
48			570	337	06/04/2014 18:31:18	39 25'29.33N 75 01'25.13W	7	R4-7A	655
49	672	249	188	77.3	06/04/2014 18:40:52	39 25'11.45N 75 01'36.89W	5	R1-1	678
50	253	84.1	17.9	7.2	06/04/2014 18:42:03	39 25'12.33N 75 01'37.08W	6	R1-1	678
51			74.3	35	06/04/2014 18:43:05	39 25'12.33N 75 01'37.22W	5	r3-8b	678
52	6.2	2.1	40.9	13.3	06/04/2014 18:46:43	39 25' 8.78N 75 01'29.96W	7	W3-1	678
53	123	64.1	382	206	06/04/2014 18:48:27	39 25' 9.18N 75 01'30.22W	6	W3-1	678
54			454	211	06/04/2014 18:51:06	39 25' 6.37N 75 01'25.31W	4	W1-2 R	678
55	156	54.9	10.5	4.1	06/04/2014 18:53:30	39 24'55.10N 75 01'11.59W	7	R1-1	678
56			526	258	06/04/2014 18:54:33	39 24'54.85N 75 01'11.01W	5	W1-7	678
57			469	221	06/04/2014 18:57:14	39 24'53.32N 75 01'10.79W	6	W1-2 L	678
58			2.5	1.2	06/04/2014 18:59:36	39 24'51.13N 75 01' 9.95W	6	W2-3	678
59			463	229	06/04/2014 19:01:13	39 24'32.26N 75 01' 2.28W	6	W1-2 R	678
60			491	236	06/04/2014 19:01:29	39 24'32.35N 75 01' 2.31W	6	W13-1P	678
61	441	181	18.7	8.4	06/04/2014 19:03:29	39 24'29.39N 75 01' 1.35W	6	R1-1	678
62			486	235	06/04/2014 19:04:38	39 24'29.90N 75 01' 1.21W	7	W1-7	678
63			444	262	06/04/2014 19:07:54	39 24'25.34N 75 01' 0.70W	5	W3-3	678
64			495	236	06/04/2014 19:09:22	39 24'26.34N 75 01' 0.11W	7	W1-8 R	678
65			479	241	06/04/2014 19:09:57	39 24'25.97N 75 01' 0.22W	5	W1-8 R	678
66			518	236	06/04/2014 19:10:28	39 24'25.34N 75 01' 0.09W	6	W1-8 R	678

67			486	245	06/04/2014 19:11:22	39 24'24.95N	75 01' 0.60W	7	W1-8 L	678
68			467	235	06/04/2014 19:11:55	39 24'24.38N	75 01' 0.77W	7	W1-8 L	678
69			477	230	06/04/2014 19:12:40	39 24'23.86N	75 01' 1.52W	6	W1-8 L	678
70			385	177	06/04/2014 19:14:25	39 24'22.79N	75 01' 2.77W	6	W1-2 L	678
71			512	217	06/04/2014 19:14:38	39 24'22.82N	75 01' 2.78W	6	W13-1P	678
72			480	223	06/04/2014 19:17:27	39 24'20.63N	75 01' 4.81W	5	W1-2 L	678
73			352	176	06/04/2014 19:18:22	39 24'20.86N	75 01' 5.20W	6	W13-1P	678
74			75	31.8	06/04/2014 19:20:18	39 24'19.54N	75 01' 6.49W	5	R3-8T	678
75			444	232	06/04/2014 19:21:02	39 24'19.37N	75 01' 6.71W	5	W1-8 L	678
76			497	226	06/04/2014 19:21:28	39 24'19.03N	75 01' 6.99W	6	W1-8 L	678
77			74.1	34.1	06/04/2014 19:22:07	39 24'18.67N	75 01' 7.17W	5	R3-8T	678
78			505	228	06/04/2014 19:22:42	39 24'18.65N	75 01' 7.34W	5	W1-8 L	678
79			69.2	33.2	06/04/2014 19:24:07	39 24'17.11N	75 01' 7.62W	5	R3-8T	678
80			440	223	06/04/2014 19:26:27	39 24'17.27N	75 01' 6.71W	4	W1-2 R	678
81			534	223	06/04/2014 19:26:53	39 24'17.28N	75 01' 6.71W	4	W13-1P	678
82			19.5	10.2	06/04/2014 19:28:49	39 24'16.17N	75 01' 6.45W	4	R3-8T	678
83			97.2	42.6	06/04/2014 19:29:12	39 24'16.10N	75 01' 6.92W	4	R4-7	678
84			94.7	37.8	06/04/2014 19:29:20	39 24'16.11N	75 01' 6.94W	4	R4-7A	678
85	56.5	30.9	13.4	7.4	06/04/2014 19:33:51	39 24'15.59N	75 01' 7.72W	3	R1-2	678
86			709	305	06/04/2014 19:34:43	39 24'14.63N	75 01' 7.25W	4	S1-1	678
87			437	231	06/04/2014 19:35:12	39 24'14.50N	75 01' 7.31W	4	W16-9P	678
88			71.3	30.8	06/04/2014 19:36:40	39 24'13.79N	75 01' 7.09W	4	R7-19	678
89			91.6	40.5	06/04/2014 19:39:24	39 24'12.88N	75 01' 7.01W	3	R2-1	678
90			97.9	42.3	06/04/2014 19:40:07	39 24'13.26N	75 01' 7.10W	4	R2-1	678
91			82.5	36.4	06/04/2014 19:42:49	39 24' 8.12N	75 01' 6.22W	4	R7-19	678
92			630	283	06/04/2014 19:44:54	39 24' 1.48N	75 01' 6.41W	4	S4-3	678
93			591	262	06/04/2014 19:45:08	39 24' 1.50N	75 01' 6.35W	4	R2-1	678
94			562	266	06/04/2014 19:45:34	39 24' 1.63N	75 01' 6.23W	4	S4-2	678
95			74.2	62.7	06/04/2014 19:47:03	39 23'58.78N	75 01' 6.28W	5	R7-19	678
96			592	277	06/04/2014 19:48:17	39 23'57.49N	75 01' 6.39W	5	S1-1	678
97			503	245	06/04/2014 19:48:41	39 23'57.58N	75 01' 6.25W	4	W16-7P	678
98			45.4	35.9	06/04/2014 19:51:15	39 23'56.47N	75 01' 6.13W	4	R7-19	678
99			88.4	72.6	06/04/2014 19:56:15	39 23'54.17N	75 01' 6.44W	3	R7-19	678
100			86.3	69	06/04/2014 19:58:15	39 23'51.88N	75 01' 6.01W	4	R7-19	678

101	128	50	06/04/2014 19:58:58	39 23'51.94N	75 01' 6.06W	5	R6-1 L	678
102	85.1	37.8	06/04/2014 19:59:40	39 23'52.10N	75 01' 6.22W	5	R6-1 R	678
103	69	29.8	06/04/2014 20:01:02	39 23'49.78N	75 01' 6.37W	7	W16-1	678
104	85.4	68	06/04/2014 20:02:18	39 23'49.06N	75 01' 6.17W	8	R7-19	678
105	89.2	38.6	06/04/2014 20:04:07	39 23'46.10N	75 01' 6.19W	5	R7-19	678
106	65.4	24.7	06/04/2014 20:05:25	39 23'44.59N	75 01' 6.03W	5	S5-2	678
107	605	265	06/04/2014 20:06:51	39 23'44.23N	75 01' 6.18W	4	r10-7	678

GPS Datum

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Msrmt Number	0.2 Alpha Legend	0.5 Alpha Legend	0.2 Alpha Bkgrnd	0.5 Alpha Bkgrnd	Date/Time	Latitude	Longitude	Position Accuracy (m)	Barcode	Standard Comments	User Comment	Route
1			351	175	06/03/2014 16:58:29	39 25'29.09N	75 01'24.16W	8	W1-1 L			655
2			450	198	06/03/2014 16:58:46	39 25'29.09N	75 01'24.17W	7	W13-1P			655
3			497	233	06/03/2014 17:01:30	39 25'29.36N	75 01'21.71W	6	W1-8 R			655
4			527	229	06/03/2014 17:01:39	39 25'29.40N	75 01'21.70W	6				655
5			500	241	06/03/2014 17:01:54	39 25'29.33N	75 01'21.63W	6	W1-8 R			655
6	116	46.6	24.5	11.5	06/03/2014 17:03:13	39 25'28.54N	75 01'21.60W	7	R5-1			655
7			78.4	37.2	06/03/2014 17:03:51	39 25'28.74N	75 01'21.08W	8	R4-7			655
8			576	336	06/03/2014 17:04:23	39 25'28.74N	75 01'21.01W	9	R4-7A			655
9	48.9	26.6	13.1	7.6	06/03/2014 17:05:26	39 25'28.64N	75 01'20.80W	9	R1-2			655
10			585	262	06/03/2014 17:06:11	39 25'29.15N	75 01'20.74W	6	R4-7			655
11			590	343	06/03/2014 17:06:25	39 25'29.17N	75 01'20.80W	5	R4-7A			655
12			628	278	06/03/2014 17:07:55	39 25'29.54N	75 01'20.44W	6	R4-7			655
13			587	341	06/03/2014 17:08:12	39 25'29.54N	75 01'20.41W	6	R4-7A			655
14			538	244	06/03/2014 17:08:41	39 25'29.79N	75 01'20.22W	7	W1-8 R			655
15			528	239	06/03/2014 17:09:03	39 25'29.84N	75 01'20.16W	7	W1-8 R			655
16			526	235	06/03/2014 17:09:26	39 25'29.89N	75 01'19.75W	7	W1-8 R			655
17			83	33.7	06/03/2014 17:10:05	39 25'30.13N	75 01'19.22W	8	R4-7			655
18			100	40.4	06/03/2014 17:10:21	39 25'30.11N	75 01'19.18W	7	R4-7A			655
19	52.4	17.3	10.1	3.4	06/03/2014 17:11:39	39 25'30.25N	75 01'18.91W	9	R5-1			655
20			337	216	06/03/2014 17:12:22	39 25'29.75N	75 01'19.61W	9	W1-8 L			655
21			276	187	06/03/2014 17:12:34	39 25'29.74N	75 01'19.59W	9	W1-8 L			655
22			37.8	20.1	06/03/2014 17:16:07	39 25'33.83N	75 01'14.92W	5	R2-1			655
23			47.4	23.3	06/03/2014 17:17:27	39 25'41.71N	75 01' 6.44W	6	R2-1			655
24	502	238	110	56.8	06/03/2014 17:19:22	39 25'48.65N	75 00'58.61W	6	R1-1			655
25			48.8	22.1	06/03/2014 17:22:07	39 26' 7.06N	75 00'37.93W	5	W2-2			655
26	342	176	111	56.7	06/03/2014 17:24:32	39 26'11.05N	75 00'33.44W	5	r1-1			655
27			61.2	25.6	06/03/2014 17:25:59	39 26'14.51N	75 00'29.51W	4	W2-2			655
28	210	68.3	33.6	12	06/03/2014 17:27:22	39 26'15.77N	75 00'28.31W	5	R1-1			655
29	206	65.2	31.5	11.2	06/03/2014 17:29:45	39 26'19.31N	75 00'24.35W	6	r1-1			655
30			51.2	27.7	06/03/2014 17:30:45	39 26'23.12N	75 00'20.55W	7	R2-1			655
31			0.9	0.5	06/03/2014 17:31:57	39 26'34.06N	75 00' 8.05W	8	W3-3			655
32			0.3	0.2	06/03/2014 17:33:29	39 26'44.29N	74 59'56.59W	5	R2-1			655

33			1.4	0.8	06/03/2014 17:35:13	39 26'51.61N 74 59'48.44W	5	W2-2	655
34			87.5	38.6	06/03/2014 17:36:36	39 26'59.03N 74 59'39.99W	5	R2-1	655
35	726	213	80.9	30	06/03/2014 17:39:39	39 27' 7.37N 74 59'30.94W	7	R1-1	655
36			17	9.1	06/03/2014 17:40:18	39 27' 7.52N 74 59'30.64W	5	W2-2	655
37	364	175	95	48.9	06/03/2014 17:42:06	39 27'14.06N 74 59'23.63W	7	R1-1	655
38	515	223	501	230	06/03/2014 17:43:27	39 27'17.54N 74 59'19.87W	6	W3-5	655
39			46.3	22.7	06/03/2014 17:44:29	39 27'21.97N 74 59'14.87W	10	R2-1	655
40			456	220	06/03/2014 17:46:02	39 27'26.62N 74 59' 9.40W	6	r3-8t	655
41			519	223	06/03/2014 17:48:54	39 27'27.05N 74 59' 8.67W	6	r3-8t	655
42			218	80.1	06/03/2014 17:49:26	39 27'26.84N 74 59' 8.96W	6	r7-19	655
43			598	253	06/03/2014 17:51:08	39 27'30.14N 74 59' 5.46W	6	R2-1	655
44			522	207	06/03/2014 17:52:41	39 27'33.80N 74 59' 1.63W	5	r8-3	655
45			530	217	06/03/2014 17:54:06	39 27'34.41N 74 59' 0.98W	10	r3-8	655
46			507	243	06/03/2014 17:55:03	39 27'35.89N 74 58'59.28W	6	r3-8	655
47			517	214	06/03/2014 17:55:42	39 27'36.55N 74 58'58.33W	7	r3-8	655
48	87.8	58.8	98.9	67	06/03/2014 17:57:10	39 27'37.72N 74 58'56.86W	5	R1-1	655
49			523	250	06/03/2014 17:57:52	39 27'37.67N 74 58'56.91W	6	r3-8	655
50			63	30.2	06/03/2014 17:58:36	39 27'38.86N 74 58'55.51W	6	R2-1	655
51			517	208	06/03/2014 17:58:58	39 27'38.86N 74 58'55.51W	5	r3-8	655
52			509	241	06/03/2014 17:59:59	39 27'39.50N 74 58'55.00W	7	r3-8	655
53			526	213	06/03/2014 18:00:41	39 27'40.33N 74 58'54.08W	7	r3-8	655
54			521	201	06/03/2014 18:01:30	39 27'41.04N 74 58'53.28W	4	r3-8	655
55			18.1	8.2	06/03/2014 18:02:43	39 27'43.43N 74 58'50.83W	6	W2-1	655
56			42	21.7	06/03/2014 18:03:40	39 27'44.56N 74 58'49.38W	6	R2-1	655
57	0.9	0.7	0.7	0.5	06/03/2014 18:05:41	39 27'49.51N 74 58'43.84W	7	R1-1	655
58			0.3	0.2	06/03/2014 18:06:24	39 27'49.41N 74 58'43.95W	7	W2-2	655
59			239	156	06/03/2014 18:07:36	39 27'53.62N 74 58'39.07W	10	s1-1	655
60			395	255	06/03/2014 18:07:50	39 27'53.48N 74 58'39.26W	8	W16-9P	655
61			83.8	34.5	06/03/2014 18:11:49	39 27'54.32N 74 58'36.91W	9	r3-8	655
62			85.7	39.3	06/03/2014 18:13:14	39 27'56.48N 74 58'35.81W	9	s4-3	655
63			489	227	06/03/2014 18:13:34	39 27'56.44N 74 58'35.80W	6	r2-1	655
64			42.8	22.6	06/03/2014 18:14:05	39 27'56.44N 74 58'35.78W	5	s4-2	655
65			89.6	37.2	06/03/2014 18:14:46	39 27'56.38N 74 58'35.86W	5	r3-8	655
66			83.8	34.2	06/03/2014 18:22:50	39 27'59.48N 74 58'32.65W	6	r3-8	655

67			92.3	37.4	06/03/2014 18:24:26	39 28' 0.47N 74 58'31.61W	6	r3-8	655
68			86.1	36.3	06/03/2014 18:25:45	39 28' 2.54N 74 58'29.35W	7	r3-8	655
69			89.1	36.1	06/03/2014 18:27:04	39 28' 5.38N 74 58'25.98W	5	r3-8	655
70			81.5	34.1	06/03/2014 18:28:22	39 28' 6.92N 74 58'23.92W	7	r3-8	655
71			88.6	36.2	06/03/2014 18:29:52	39 28' 8.46N 74 58'22.29W	5	r3-8	655
72			63.8	22	06/03/2014 18:30:37	39 28' 8.73N 74 58'21.85W	6	r3-8	655
73	442	203	105	50.6	06/03/2014 18:31:19	39 28' 8.84N 74 58'21.84W	5	r1-1	655
74	459	203	105	51.4	06/03/2014 18:32:17	39 28' 9.10N 74 58'21.73W	5	r1-1	655
75			74.2	27.3	06/03/2014 18:32:35	39 28' 9.05N 74 58'21.77W	5	r3-8	655
76			65.9	30.5	06/03/2014 18:42:07	39 28'11.24N 74 58'19.46W	8	s5-2	655
77			87.9	36.1	06/03/2014 18:42:40	39 28'11.25N 74 58'19.46W	5	r3-8	655
78			88.2	35.9	06/03/2014 18:43:53	39 28'12.75N 74 58'18.30W	7	r3-8	655
79			429	262	06/03/2014 18:49:30	39 28'27.70N 74 58' 1.11W	7	W3-3	655
80	530	244	472	231	06/03/2014 18:51:01	39 28'28.86N 74 58' 0.11W	6	W3-5	655
81			0.4	0.2	06/03/2014 18:51:58	39 28'30.85N 74 57'58.06W	5	W1-2 R	655
82			81.5	38.6	06/03/2014 18:53:00	39 28'32.37N 74 57'56.12W	5	r7-19	655
83			658	263	06/03/2014 18:54:46	39 28'34.30N 74 57'53.61W	5	R2-1	655
84			74.7	33.8	06/03/2014 18:55:16	39 28'34.40N 74 57'53.48W	6	w16-1	655
85			68.5	31.1	06/03/2014 18:57:41	39 28'39.07N 74 57'41.68W	5	W1-8 L	655
86			51.4	21.8	06/03/2014 18:58:15	39 28'39.07N 74 57'41.15W	5	W1-8 L	655
87	292	180	85.9	43.9	06/03/2014 18:59:20	39 28'39.38N 74 57'40.33W	5	R1-1	655
88			1.3	0.7	06/03/2014 18:59:41	39 28'39.45N 74 57'40.32W	5	W1-8 L	655
89			12.7	5.6	06/03/2014 19:00:18	39 28'39.70N 74 57'39.61W	5	W1-8 R	655
90			297	194	06/03/2014 19:00:47	39 28'40.15N 74 57'39.30W	6	W1-8 R	655
91			8.5	4.1	06/03/2014 19:01:13	39 28'40.50N 74 57'38.84W	5	W1-8 R	655
92			326	172	06/03/2014 19:05:51	39 28'43.34N 74 57'36.65W	5	R2-1	655
93			46.7	22	06/03/2014 19:09:21	39 28'53.65N 74 57'29.26W	6	W3-3	655
94			0.1	0.1	06/03/2014 19:10:41	39 28'54.58N 74 57'28.93W	7	r8-8t	655
95			526	262	06/03/2014 19:12:06	39 28'57.95N 74 57'26.17W	8	r8-8t	655
96			35	14.6	06/03/2014 19:14:29	39 29' 5.17N 74 57'21.29W	12	w4-2r	655
97			51.3	12.6	06/03/2014 19:15:42	39 29'14.08N 74 57'15.19W	17	R2-1	655
98			2.5	1.3	06/03/2014 19:16:45	39 29'19.54N 74 57'10.84W	7	W2-1	655
99	346	221	97.2	62.4	06/03/2014 19:18:54	39 29'23.87N 74 57' 6.62W	5	R1-1	655
100	319	202	85.6	56.1	06/03/2014 19:19:31	39 29'24.17N 74 57' 6.58W	5	R1-1	655

101			397	179	06/03/2014 19:23:42	39 29'27.92N 74 57' 4.55W	5	W1-2 R	655
102	527	232	75.8	34.8	06/03/2014 19:27:36	39 29'24.23N 74 57' 9.12W	6	R1-1	655
103	363	227	95.1	61.9	06/03/2014 19:28:34	39 29'23.84N 74 57' 8.73W	5	R1-1	655
104			15	7.1	06/03/2014 19:58:26	39 29' 2.70N 74 57'23.58W	6	r3-8t	655
105			32.6	14	06/03/2014 19:59:34	39 28'59.18N 74 57'25.86W	7	r3-8t	655
106			61.1	25.5	06/03/2014 20:02:22	39 28'57.01N 74 57'27.54W	7	w4-2r	655
107	528	228	435	214	06/03/2014 20:05:18	39 28'49.25N 74 57'33.29W	5	W3-5	655
108			92.5	36.7	06/03/2014 20:06:20	39 28'47.65N 74 57'34.49W	5	W1-2 R	655
109			57	25.3	06/03/2014 20:06:34	39 28'47.58N 74 57'34.36W	4	W13-1P	655
110			38.2	20.6	06/03/2014 20:08:19	39 28'43.73N 74 57'37.16W	4	R2-1	655
111			0.9	0.6	06/03/2014 20:09:48	39 28'38.62N 74 57'44.87W	6	W1-2 L	655
112			442	265	06/03/2014 20:12:46	39 28'37.90N 74 57'48.23W	6	W3-3	655
113			546	293	06/03/2014 20:16:50	39 28'15.43N 74 58'16.45W	6	s1-1	655
114			405	260	06/03/2014 20:17:11	39 28'15.46N 74 58'16.40W	6	W16-9P	655
115			38.6	17.2	06/03/2014 20:19:22	39 28'14.41N 74 58'17.27W	10	W2-1	655
116			75.7	30.6	06/03/2014 20:21:08	39 28'12.49N 74 58'18.18W	6	w3-8	655
117			93.3	37.9	06/03/2014 20:21:50	39 28'11.95N 74 58'19.41W	10	w3-8	655
118			89.8	42.4	06/03/2014 20:22:29	39 28'11.88N 74 58'19.16W	8	s4-3	655
119			433	187	06/03/2014 20:22:46	39 28'11.92N 74 58'19.24W	7	r2-1	655
120			34.1	18.2	06/03/2014 20:23:04	39 28'11.96N 74 58'19.19W	7	s4-2	655
121			44.6	18.2	06/03/2014 20:24:14	39 28' 9.28N 74 58'22.30W	7	w3-8	655
122			66.8	24.5	06/03/2014 20:25:20	39 28' 9.19N 74 58'23.79W	7	w3-8	655
123	479	209	107	51.8	06/03/2014 20:25:56	39 28' 9.16N 74 58'23.80W	5	r1-1	655
124	530	279	23.4	16.3	06/03/2014 20:26:58	39 28' 8.80N 74 58'23.70W	4	r1-1	655
125			94.8	39.1	06/03/2014 20:27:26	39 28' 8.53N 74 58'23.62W	4	w3-8	655
126			92.3	37.5	06/03/2014 20:29:43	39 28' 7.27N 74 58'24.59W	4	w3-8	655
127			79.3	32.1	06/03/2014 20:31:33	39 28' 2.54N 74 58'29.63W	5	w3-8	655
128			72.9	29.8	06/03/2014 20:32:23	39 28' 1.22N 74 58'31.48W	7	w3-8	655
129			88.6	35.9	06/03/2014 20:33:26	39 27'59.92N 74 58'33.05W	4		655
130			28.5	11.2	06/03/2014 20:34:48	39 27'59.10N 74 58'33.79W	5	W2-2	655
131			92.2	38.2	06/03/2014 20:36:12	39 27'58.25N 74 58'34.66W	5	w3-8	655
132			62.8	28.9	06/03/2014 20:37:11	39 27'57.26N 74 58'36.28W	6	s5-2	655
133			82.3	34.4	06/03/2014 20:37:31	39 27'57.25N 74 58'36.26W	6	w3-8	655
134			72.3	30.3	06/03/2014 20:38:54	39 27'54.82N 74 58'38.61W	6	r3-8	655

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Msrmt Number	0.2 Alpha Legend	0.5 Alpha Legend	0.2 Alpha Bkgrnd	0.5 Alpha Bkgrnd	Date/Time	Latitude	Longitude	Position Accuracy (m)	Barcode	Standard Comments	User Comment	Route
1			60.8	27.2	05/29/2014 16:48:07	39 24'38.30N	74 55'57.46W	9	W1-2 R			671
2			42.4	22.2	05/29/2014 16:52:01	39 25' 7.96N	74 55'28.21W	11	W1-2 R			671
3			7.9	4.3	05/29/2014 16:53:53	39 25'10.22N	74 55'27.02W	7	W1-2 L			671
4			2.5	1.4	05/29/2014 16:55:29	39 25'21.60N	74 55'25.25W	7	W1-2 R			671
5	8.5	3.2	26.6	11.1	05/29/2014 16:57:34	39 25'44.27N	74 55'28.64W	7	W3-1			671
6	85.5	59.5	315	213	05/29/2014 16:58:43	39 25'44.36N	74 55'28.07W	8	W3-1			671
7	137	77.7	44.3	24.3	05/29/2014 17:00:17	39 25'48.56N	74 55'28.88W	7	R1-1			671
8	643	234	75.6	42.4	05/29/2014 17:01:34	39 25'49.41N	74 55'28.91W	5	R1-1			671
9	429	229	70.4	42.3	05/29/2014 17:03:01	39 25'50.79N	74 55'29.56W	6	R1-1			671
10	115	58.1	91.1	41	05/29/2014 17:04:14	39 25'51.70N	74 55'29.48W	6	R1-1			671
11	182	64.4	21	7.9	05/29/2014 17:05:35	39 25'53.36N	74 55'29.76W	6	R1-1			671
12	56.2	38.8	185	121	05/29/2014 17:07:22	39 25'55.33N	74 55'29.06W	7	W3-1			671
13	97.6	66.3	340	218	05/29/2014 17:08:45	39 25'55.44N	74 55'29.03W	7	W3-1			671
14			85.6	36.4	05/29/2014 17:10:27	39 26' 1.03N	74 55'28.76W	15				671
15			94	42.5	05/29/2014 17:12:45	39 26' 6.91N	74 55'28.18W	8	R2-1			671
16			68.7	32	05/29/2014 17:13:42	39 26' 8.36N	74 55'28.29W	5	W11-3			671
17			458	210	05/29/2014 17:15:15	39 26'17.36N	74 55'27.23W	7	R2-1			671
18			33.6	15.3	05/29/2014 17:15:43	39 26'17.33N	74 55'27.52W	6	R2-1			671
19	378	213	16.2	10	05/29/2014 17:16:43	39 26'17.30N	74 55'27.41W	4	R1-1			671
20	379	225	38.6	23.6	05/29/2014 17:18:04	39 26'17.68N	74 55'27.10W	5	R1-1			671
21			61.5	30.5	05/29/2014 17:19:49	39 26'25.37N	74 55'26.62W	5	S3-1			671
22			451	203	05/29/2014 17:20:29	39 26'25.79N	74 55'26.71W	5	R2-1			671
23	405	233	17.2	11.2	05/29/2014 17:21:42	39 26'25.82N	74 55'27.05W	5	R1-1			671
24	353	189	22.1	10.9	05/29/2014 17:23:12	39 26'25.93N	74 55'26.40W	5	R1-1			671
25			86.4	37.5	05/29/2014 17:24:34	39 26'31.25N	74 55'26.34W	4				671
26			52	23.2	05/29/2014 17:25:54	39 26'40.28N	74 55'25.27W	7	R2-1			671
27			0.3	0.2	05/29/2014 17:27:10	39 26'42.22N	74 55'25.34W	7	W2-4			671
28	493	204	21.8	12.9	05/29/2014 17:28:00	39 26'41.79N	74 55'25.84W	7	R1-1			671
29	286	196	27.6	21.2	05/29/2014 17:30:06	39 26'56.24N	74 55'24.87W	8	R1-1			671
30			261	172	05/29/2014 17:32:25	39 27' 8.05N	74 55'23.15W	6	W1-7			671
31	600	317	20.6	15.2	05/29/2014 17:33:59	39 27' 7.77N	74 55'24.12W	6	R1-1			671
32	590	314	20.5	15	05/29/2014 17:34:45	39 27' 8.09N	74 55'23.99W	6	R1-1			671

33			109	70.8	05/29/2014 17:37:25	39 27'33.48N 74 55'21.29W	10	W1-7	671
34	337	172	27.9	16.8	05/29/2014 17:38:24	39 27'33.77N 74 55'21.32W	10	R1-1	671
35			107	43.7	05/29/2014 17:40:27	39 27'53.71N 74 55'19.16W	6	W2-1	671
36			409	211	05/29/2014 17:42:10	39 28' 0.22N 74 55'18.44W	5	W14-1	671
37	591	261	136	67	05/29/2014 17:42:50	39 28' 0.06N 74 55'18.36W	5	R1-1	671
38	689	212	42	15.1	05/29/2014 17:44:00	39 27'59.82N 74 55'19.23W	5	R1-1	671

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Msrmt	0.2 Alpha	0.5 Alpha	0.2 Alpha	0.5 Alpha				Position				
Number	Legend	Legend	Bkgrnd	Bkgrnd	Date/Time	Latitude	Longitude	Accuracy	Barcode	Standard	User	Route
								(m)		Comments	Comment	
1			89.3	37	06/07/2014 07:22:18	39 23'44.38N	75 01' 5.52W	10	R2-1			678
2			15.4	7.1	06/07/2014 07:23:21	39 23'44.57N	75 01' 6.05W	7	R4-7			678
3			67.2	30.1	06/07/2014 07:23:38	39 23'44.55N	75 01' 5.89W	6	R4-7A			678
4			644	277	06/07/2014 07:25:12	39 23'45.80N	75 01' 5.17W	7	5.2E+07			678
5			444	234	06/07/2014 07:25:36	39 23'45.72N	75 01' 5.21W	7	W16-9P			678
6			77.8	63.5	06/07/2014 07:27:06	39 23'46.97N	75 01' 5.16W	7	R7-19			678
7			438	202	06/07/2014 07:28:13	39 23'47.83N	75 01' 5.18W	6	S4-3			678
8			564	250	06/07/2014 07:28:37	39 23'47.72N	75 01' 5.09W	6	R2-1			678
9			579	285	06/07/2014 07:28:51	39 23'47.75N	75 01' 5.08W	6	S4-2			678
10			593	260	06/07/2014 07:30:43	39 23'50.96N	75 01' 5.25W	5	S1-1			678
11			469	229	06/07/2014 07:31:02	39 23'50.96N	75 01' 5.35W	5	W16-7P			678
12			68.9	56.6	06/07/2014 07:32:42	39 23'53.38N	75 01' 5.13W	5	R7-19			678
13			481	249	06/07/2014 07:34:16	39 23'57.20N	75 01' 5.24W	7	S1-1			678
14			440	218	06/07/2014 07:34:32	39 23'57.16N	75 01' 5.31W	7	W16-7P			678
15			87.7	36.8	06/07/2014 07:35:44	39 23'57.67N	75 01' 5.17W	7	R7-19			678
16			87	36.3	06/07/2014 07:37:35	39 24' 1.96N	75 01' 5.50W	8	R7-19			678
17			84.4	37.3	06/07/2014 07:39:22	39 24' 8.66N	75 01' 5.68W	6	R7-19			678
18			65	30.3	06/07/2014 07:41:12	39 24'14.14N	75 01' 6.17W	6	R3-8T			678
19			77.4	32.6	06/07/2014 07:41:24	39 24'14.05N	75 01' 6.29W	6	R7-19			678
20			10	4.9	06/07/2014 08:03:29	39 16'21.04N	75 06' 7.99W	5	W11-8			555
21	311	207	89	60.1	06/07/2014 08:05:19	39 16'21.23N	75 06' 8.08W	5	r1-1			555
22	5.3	2.6	21.8	12.2	06/07/2014 08:06:51	39 16'23.12N	75 06' 4.57W	5	W3-1			555
23			281	188	06/07/2014 08:07:44	39 16'24.63N	75 06' 0.95W	7	W1-1 L			555
24			23.8	12.4	06/07/2014 08:08:23	39 16'24.61N	75 06' 1.04W	6	W13-1P			555
25			281	186	06/07/2014 08:10:00	39 16'33.94N	75 05'51.29W	7	W1-1 R			555
26			28.1	14.7	06/07/2014 08:10:36	39 16'34.02N	75 05'50.72W	8	W13-1P			555
27			10	4.2	06/07/2014 08:17:45	39 16'46.14N	75 05'45.22W	6	W2-2			555
28			55.4	26.2	06/07/2014 08:19:39	39 16'46.03N	75 05'45.37W	7	w42-7			555
29			64	27.2	06/07/2014 08:24:04	39 16'53.40N	75 05'41.78W	9	W1-2 L			555
30			55.5	22.1	06/07/2014 08:27:55	39 16'58.09N	75 05'40.37W	5	W2-2			555
31			28.8	14.1	06/07/2014 08:28:10	39 16'58.03N	75 05'40.33W	5				555
32			55.4	27.3	06/07/2014 08:29:50	39 17' 3.59N	75 05'41.86W	6	W1-2 R			555

33			493	185	06/07/2014 08:31:24	39 17'23.38N 75 05'50.34W	6	W1-2 R	555
34			4.6	2.5	06/07/2014 08:34:42	39 18' 2.86N 75 05'54.29W	7	W1-2 L	555
35			479	283	06/07/2014 08:35:30	39 18' 8.85N 75 05'53.17W	8	w10-1	555
36			0.4	0.3	06/07/2014 08:36:20	39 18'10.21N 75 05'53.25W	11	W1-1 R	555
37			19.4	10.6	06/07/2014 08:36:35	39 18'10.18N 75 05'53.17W	11	W13-1P	555
38	529	227	45.3	17.6	06/07/2014 08:40:24	39 18'14.83N 75 05'55.54W	4	R1-1	555
39			499	292	06/07/2014 08:40:45	39 18'14.74N 75 05'55.33W	4	W1-8 L	555
40			512	297	06/07/2014 08:40:57	39 18'14.71N 75 05'55.17W	4		555
41			474	278	06/07/2014 08:41:07	39 18'14.67N 75 05'55.15W	4		555
42			470	272	06/07/2014 08:41:24	39 18'14.57N 75 05'55.14W	4		555
43			309	193	06/07/2014 08:43:15	39 18'19.61N 75 05'50.14W	9	R2-1	555
44			95	84.2	06/07/2014 08:44:21	39 18'19.64N 75 05'50.53W	7	w10-1	555
45			300	205	06/07/2014 08:44:40	39 18'19.56N 75 05'50.56W	6	W1-1 L	555
46			36.4	20	06/07/2014 08:44:58	39 18'19.48N 75 05'50.57W	7	W13-1P	555
47	90.8	36.5	11.1	3.6	06/07/2014 08:50:58	39 19'10.79N 75 04'59.43W	6	R1-1	555
48	134	47	14	5.4	06/07/2014 08:52:31	39 19'11.06N 75 04'59.75W	7	R1-1	555
49			289	182	06/07/2014 09:07:58	39 19'23.38N 75 04'49.79W	7	R2-1	555
50			39.3	21.4	06/07/2014 09:09:47	39 19'34.87N 75 04'41.16W	9	W2-1	555
51	68.8	24	9.7	3.4	06/07/2014 09:11:28	39 19'39.88N 75 04'36.49W	10	R1-1	555
52			75.4	33.7	06/07/2014 09:13:04	39 19'47.16N 75 04'32.95W	9	W2-1	555
53			46.8	25.6	06/07/2014 09:15:24	39 20'13.76N 75 04'13.07W	9	W2-2	555
54			466	225	06/07/2014 09:25:05	39 20'18.99N 75 04' 8.38W	7	W1-7	555
55	586	233	121	57.7	06/07/2014 09:26:05	39 20'18.82N 75 04' 8.39W	7	R1-1	555
56			395	177	06/07/2014 09:27:50	39 20'24.95N 75 04' 4.60W	7	W2-2	555
57			352	220	06/07/2014 09:28:33	39 20'25.26N 75 04' 3.83W	7	R2-1	555
58			58.6	26.4	06/07/2014 09:31:08	39 20'46.24N 75 03'48.73W	8	R2-1	555
59	18	13.5	427	208	06/07/2014 09:33:15	39 21' 3.72N 75 03'35.80W	7	W3-1	555
60	99	48.1	312	139	06/07/2014 09:34:28	39 21' 3.85N 75 03'35.96W	6	W3-1	555
61			50.2	25.1	06/07/2014 09:36:24	39 21' 8.07N 75 03'33.13W	5	R2-1	555
62	600	286	22.7	16	06/07/2014 09:38:17	39 21' 9.51N 75 03'31.43W	7	R1-1	555
63	425	249	19.9	14.8	06/07/2014 09:39:25	39 21' 9.46N 75 03'31.67W	5	R1-1	555
64	563	285	21.4	15.5	06/07/2014 09:41:55	39 21'10.83N 75 03'31.16W	4	R1-1	555
65	446	249	20.3	14.5	06/07/2014 09:42:39	39 21'10.35N 75 03'30.66W	5	R1-1	555
66			39	16	06/07/2014 09:44:35	39 21'14.50N 75 03'27.85W	8	R7-19	555

67	21.2	14.8	268	124	06/07/2014 09:46:39	39 21'15.68N 75 03'27.13W	6	W3-1	555
68	90.6	47.6	315	137	06/07/2014 09:47:13	39 21'15.55N 75 03'27.18W	6	W3-1	555
69			53.4	21.6	06/07/2014 09:51:56	39 21'23.56N 75 03'21.52W	6	R7-19	555
70			55.2	25	06/07/2014 09:53:00	39 21'24.11N 75 03'20.58W	8	R7-19	555
71			53.1	21.3	06/07/2014 09:56:51	39 21'31.88N 75 03'15.26W	6	R7-19	555
72			58.6	23.2	06/07/2014 09:57:16	39 21'31.64N 75 03'15.14W	7	R7-19	555
73			54.8	28.2	06/07/2014 09:59:36	39 21'56.46N 75 02'56.89W	7	R7-19	555
74			86.2	41.2	06/07/2014 10:00:20	39 21'56.91N 75 02'57.04W	5	R7-19	555
75			41.4	15.9	06/07/2014 10:07:57	39 22' 5.38N 75 02'50.36W	6	R7-19	555
76			62.2	27.4	06/07/2014 10:08:36	39 22' 5.06N 75 02'50.42W	6	R7-19	555
77			418	246	06/07/2014 10:09:48	39 22' 6.70N 75 02'49.00W	8	W2-2	555
78			545	325	06/07/2014 10:12:04	39 22' 7.70N 75 02'48.06W	12	r3-8b	555
79			430	230	06/07/2014 10:13:19	39 22'10.91N 75 02'46.82W	7	W1-7	555
80	602	267	127	60.2	06/07/2014 10:15:33	39 22'10.79N 75 02'47.59W	5	R1-1	555
81			56.6	25.4	06/07/2014 10:17:10	39 22'11.53N 75 02'46.34W	4	R7-19	555
82			544	324	06/07/2014 10:18:57	39 22'13.67N 75 02'44.90W	6	r3-8b	555
83			502	282	06/07/2014 10:20:05	39 22'14.40N 75 02'44.19W	5		555
84			422	253	06/07/2014 10:22:35	39 22'16.92N 75 02'41.83W	6	r4-1	555
85	114	58.5	502	247	06/07/2014 10:24:42	39 22'28.60N 75 02'32.88W	9	W3-1	555
86	6	2.8	168	63.1	06/07/2014 10:25:53	39 22'28.34N 75 02'33.82W	6	W3-1	555
87			53.7	24.7	06/07/2014 10:29:59	39 22'45.27N 75 02'28.81W	6	W11-3	555
88			41.8	21.5	06/07/2014 10:30:49	39 22'45.95N 75 02'28.92W	6	W1-2 L	555
89			6.4	3.1	06/07/2014 10:31:10	39 22'46.00N 75 02'28.91W	7	W13-1P	555
90			119	50.4	06/07/2014 10:33:04	39 22'49.07N 75 02'29.21W	6	R2-1	555
91	508	218	455	229	06/07/2014 10:34:32	39 22'50.33N 75 02'28.53W	7	W3-5	555
92			76.1	26.5	06/07/2014 10:36:29	39 22'55.76N 75 02'29.80W	7	R2-1	555
93			539	249	06/07/2014 10:37:06	39 22'56.16N 75 02'29.78W	5	R2-1	555
94			32.5	18.5	06/07/2014 10:40:06	39 22'57.75N 75 02'30.56W	7	W1-2 R	555
95			73.6	34.7	06/07/2014 10:40:26	39 22'57.66N 75 02'30.67W	5	W13-1P	555
96	487	207	143	66	06/07/2014 10:41:43	39 22'58.06N 75 02'30.19W	5	R1-1	555
97			478	252	06/07/2014 10:43:52	39 23' 0.19N 75 02'31.08W	5	S1-1	555
98			452	235	06/07/2014 10:44:16	39 23' 0.15N 75 02'31.17W	5	W16-9P	555
99	94.3	42.5	15.1	7.6	06/07/2014 10:55:31	39 23' 2.30N 75 02'31.49W	4	R1-1	555
100			67	30.5	06/07/2014 11:00:39	39 23' 6.43N 75 02'33.72W	5	S5-2	555

101			583	270	06/07/2014 11:02:17	39 23' 6.74N 75 02'33.28W	4	S4-3	555
102			570	247	06/07/2014 11:02:31	39 23' 6.75N 75 02'33.22W	4	R2-1	555
103			606	259	06/07/2014 11:03:03	39 23' 6.73N 75 02'33.24W	3	S4-2	555
104			541	264	06/07/2014 11:05:48	39 23'14.33N 75 02'35.40W	4	S1-1	555
105			512	253	06/07/2014 11:06:08	39 23'14.32N 75 02'35.44W	4	W16-7P	555
106			482	250	06/07/2014 11:08:01	39 23'13.97N 75 02'36.31W	5	S1-1	555
107			483	236	06/07/2014 11:08:16	39 23'14.00N 75 02'36.38W	6	W16-7P	555
108	62.7	26.5	5.8	2.5	06/07/2014 11:10:48	39 23'20.85N 75 02'37.52W	5	R1-1	555
109			629	284	06/07/2014 11:12:16	39 23'20.20N 75 02'37.97W	5	S4-3	555
110			486	207	06/07/2014 11:12:32	39 23'20.17N 75 02'37.93W	5	R2-1	555
111			556	253	06/07/2014 11:14:29	39 23'20.96N 75 02'37.72W	4	R2-1	555
112			527	266	06/07/2014 11:17:56	39 23'24.12N 75 02'39.13W	4	S1-1	555
113			376	202	06/07/2014 11:18:10	39 23'24.07N 75 02'39.11W	5	W16-9P	555
114	237	74	39	14.1	06/07/2014 11:21:59	39 23'28.75N 75 02'39.74W	5	R1-1	555
115			482	240	06/07/2014 11:22:52	39 23'29.71N 75 02'40.69W	6	R2-1	555
116			540	261	06/07/2014 11:23:31	39 23'29.93N 75 02'40.90W	6	R2-1	555
117			598	264	06/07/2014 11:25:49	39 23'35.24N 75 02'41.03W	5	R2-1	555
118	410	206	109	52.2	06/07/2014 11:27:18	39 23'36.72N 75 02'39.79W	6	R1-1	555
119	452	182	127	58.4	06/07/2014 11:28:12	39 23'36.12N 75 02'39.27W	5	R1-1	555
120			13.3	5.4	06/07/2014 11:29:38	39 23'38.55N 75 02'37.76W	6	R2-1	555
121	101	77.2	36.8	26.9	06/07/2014 11:31:05	39 23'38.92N 75 02'36.64W	5	R1-1	555
122	389	250	67.4	45.6	06/07/2014 12:26:28	39 24'10.91N 75 02' 9.57W	3	r1-1	555
123	341	172	121	61.8	06/07/2014 12:27:23	39 24'11.27N 75 02' 9.50W	3	r1-1	555
124	487	228	100	53.2	06/07/2014 12:28:27	39 24'11.64N 75 02' 8.74W	4	r1-1	555
125			485	232	06/07/2014 12:29:15	39 24'12.12N 75 02' 8.64W	4	r2-1	555
126	400	186	99	47.6	06/07/2014 12:32:19	39 24'15.97N 75 02' 6.70W	4	R1-1	555
127	356	184	113	56.6	06/07/2014 12:34:00	39 24'15.53N 75 02' 7.78W	4	r1-1	555
128	227	73.9	42.9	15.4	06/07/2014 12:36:27	39 24'19.93N 75 02' 4.70W	5	r1-1	555
129	228	71.2	38.2	13.4	06/07/2014 12:37:34	39 24'19.84N 75 02' 5.75W	6	r1-1	555
130	453	301	114	77.6	06/07/2014 12:39:15	39 24'22.42N 75 02' 3.77W	9	r1-1	555
131			460	224	06/07/2014 12:41:11	39 24'22.97N 75 02' 3.70W	6	r2-1	555
132			607	247	06/07/2014 12:43:12	39 24'26.24N 75 02' 1.81W	6	r2-1	555
133			103	38.5	06/07/2014 12:45:20	39 24'29.41N 75 02' 0.99W	10	w3-5	555
134			415	201	06/07/2014 12:46:38	39 24'33.38N 75 01'58.34W	6	w10-1	555

135			130	39.4	06/07/2014 12:48:07	39 24'37.16N 75 01'56.96W	5	w8-18	555
136	233	80.3	28	10.9	06/07/2014 12:50:46	39 24'40.82N 75 01'55.07W	5	R1-1	555
137			1.4	0.9	06/07/2014 12:51:27	39 24'41.35N 75 01'54.47W	6	W2-2	555
138			367	154	06/07/2014 12:52:31	39 24'42.25N 75 01'54.40W	6	w10-1	555
139	51.5	19.8	10.4	3.6	06/07/2014 12:53:52	39 24'44.28N 75 01'53.88W	7	R1-1	555
140	580	243	159	79.8	06/07/2014 12:59:01	39 24'47.26N 75 01'51.45W	7	R1-1	555
141	378	255	44.6	28.4	06/07/2014 13:00:50	39 24'50.84N 75 01'50.15W	6	R1-1	555
142	399	189	103	49.9	06/07/2014 13:02:21	39 24'50.65N 75 01'49.62W	6	R1-1	555

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Msrmt Number	0.2 Alpha Legend	0.5 Alpha Legend	0.2 Alpha Bkgrnd	0.5 Alpha Bkgrnd	Date/Time	Latitude	Longitude	Position Accuracy (m)	Barcode	Standard Comments	User Comment	Route
1			57.1	30.1	06/11/2014 16:50:45	39 33' 0.79N	75 04' 8.70W	18	S3-1			690
2			62.3	27.9	06/11/2014 16:51:44	39 32'59.78N	75 04' 5.49W	15	W1-2 L			690
3			259	169	06/11/2014 16:52:58	39 32'59.10N	75 04' 2.87W	13	S3-1			690
4	598	249	126	63.1	06/11/2014 16:54:23	39 32'58.24N	75 03'58.37W	13	R1-1			690
5	518	261	118	65.7	06/11/2014 16:56:03	39 32'57.51N	75 03'54.79W	16	R1-1			690
6	584	256	132	64.2	06/11/2014 16:58:12	39 32'56.42N	75 03'50.54W	11	R1-1			690
7			421	193	06/11/2014 17:03:52	39 32'50.02N	75 03'33.09W	23	W2-2			690
8			50.6	25.7	06/11/2014 17:05:04	39 32'49.69N	75 03'25.70W	10	S3-1			690
9			416	232	06/11/2014 17:05:54	39 32'49.04N	75 03'23.75W	10	w1-7			690
10	318	198	41.3	31.4	06/11/2014 17:06:56	39 32'48.09N	75 03'23.81W	7	r1-1			690
11			114	46.7	06/11/2014 17:10:14	39 32'48.86N	75 03'23.66W	7	r12-5			690
12			64.6	28.3	06/11/2014 17:10:33	39 32'48.86N	75 03'23.65W	7	r3-2			690
13			66.9	26.9	06/11/2014 17:10:51	39 32'48.88N	75 03'23.74W	8	r3-2p			690
14			472	218	06/11/2014 17:11:49	39 32'48.76N	75 03'23.08W	9	r12-5			690
15	501	239	123	63.6	06/11/2014 17:15:12	39 32'46.45N	75 03'16.51W	6	R1-1			690
16			371	174	06/11/2014 17:16:07	39 32'46.73N	75 03'15.53W	7	W2-2			690
17			8.4	3.8	06/11/2014 17:26:15	39 32'42.08N	75 02'57.47W	7	w12-2			690
18			307	202	06/11/2014 17:28:26	39 32'34.38N	75 02'29.14W	6	W1-4 R			690
19			234	166	06/11/2014 17:29:11	39 32'33.02N	75 02'24.98W	10	w5-2a			690
20			47.2	23.3	06/11/2014 17:29:48	39 32'30.45N	75 02'20.28W	10	W2-2			690
21			251	170	06/11/2014 17:31:10	39 32'27.94N	75 02'12.19W	7	w5-2a			690
22	528	267	109	57.8	06/11/2014 17:31:45	39 32'27.60N	75 02'11.37W	8	r1-1			690
23			309	207	06/11/2014 17:34:00	39 32'26.35N	75 02' 7.58W	7	W1-4 R			690
24	96	118	32	26.1	06/11/2014 17:35:55	39 32'21.98N	75 01'52.70W	6	R1-1			690
25			61.4	30.4	06/11/2014 17:36:20	39 32'22.67N	75 01'52.70W	5	W1-7			690
26			324	157	06/11/2014 17:38:02	39 32'20.91N	75 01'42.19W	7	W1-2 R			690
27	25.5	17.5	407	184	06/11/2014 17:39:35	39 32'20.00N	75 01'29.99W	7	W3-1			690
28			505	285	06/11/2014 17:41:19	39 32'19.45N	75 01'23.51W	6	w10-1			690
29	242	86.6	26.8	10.8	06/11/2014 17:42:01	39 32'19.43N	75 01'22.42W	5	R1-1			690
30			342	191	06/11/2014 17:42:15	39 32'19.35N	75 01'22.50W	5	R1-3P			690
31	502	256	126	67	06/11/2014 17:42:57	39 32'19.66N	75 01'21.97W	5	R1-1			690
32			274	148	06/11/2014 17:43:07	39 32'19.66N	75 01'21.98W	4	R1-3P			690

33	541	266	81.9	53.7	06/11/2014 17:43:59	39 32'19.62N 75 01'20.75W	6	R1-1	690
34			270	143	06/11/2014 17:44:07	39 32'19.64N 75 01'20.81W	6	R1-3P	690
35	220	147	121	63.5	06/11/2014 17:44:41	39 32'19.31N 75 01'20.91W	6	R1-1	690
36			331	179	06/11/2014 17:44:54	39 32'19.34N 75 01'20.93W	6	R1-3P	690
37	521	266	90.6	50.3	06/11/2014 17:45:37	39 32'18.88N 75 01'19.70W	5	R1-1	690
38			335	157	06/11/2014 17:46:08	39 32'19.34N 75 01'19.88W	5	w1-7	690
39			465	275	06/11/2014 17:47:15	39 32'19.22N 75 01'16.60W	7	w10-1	690
40	24.9	16.8	422	191	06/11/2014 17:48:32	39 32'18.82N 75 01'12.83W	7	W3-1	690
41			74.1	34.4	06/11/2014 18:18:33	39 31'17.59N 75 00' 2.50W	7	R2-1	674
42			27	15	06/11/2014 18:20:56	39 31'14.51N 75 00'22.77W	6	R2-1	674
43			330	178	06/11/2014 18:22:01	39 31'14.08N 75 00'25.25W	6	W1-2 R	674
44			55.1	23.8	06/11/2014 18:25:04	39 31'13.20N 75 00'37.06W	6	W11-3	674
45			44.8	23.9	06/11/2014 18:26:20	39 31'12.90N 75 00'39.48W	5	W1-2 L	674
46			53.1	27	06/11/2014 18:27:17	39 31'13.19N 75 00'41.50W	6	W2-1	674
47	221	151	18.7	11.5	06/11/2014 18:29:37	39 31'13.11N 75 00'50.04W	5	R1-1	674
48	650	240	82	31.2	06/11/2014 18:29:55	39 31'13.13N 75 00'50.03W	5	R1-1	674
49	475	245	115	64.3	06/11/2014 18:31:09	39 31'12.17N 75 00'49.84W	6	R1-1	674
50	648	211	76.7	27.2	06/11/2014 18:31:43	39 31'11.93N 75 00'50.21W	6	R1-1	674
51			47.6	22.7	06/11/2014 18:34:10	39 31'12.32N 75 00'56.96W	7	W2-1	674
52	9.3	3.2	42.5	14.1	06/11/2014 18:38:40	39 31'11.65N 75 01'18.44W	6	W3-1	674
53	360	245	121	83.3	06/11/2014 18:40:04	39 31'11.63N 75 01'22.69W	6	R1-1	674
54			47.4	19.9	06/11/2014 18:40:18	39 31'11.61N 75 01'22.77W	5	R1-3P	674
55	236	228	43.5	34.8	06/11/2014 18:40:42	39 31'11.74N 75 01'22.87W	5	R1-1	674
56			58.1	23.8	06/11/2014 18:40:50	39 31'11.72N 75 01'22.85W	5	R1-3P	674
57	752	269	242	90.2	06/11/2014 18:41:52	39 31'11.56N 75 01'23.69W	5	R1-1	674
58			25.8	13.3	06/11/2014 18:42:02	39 31'11.53N 75 01'23.74W	5	R1-3P	674
59	322	206	85.7	56.5	06/11/2014 18:43:00	39 31'11.62N 75 01'24.53W	4	R1-1	674
60			32.7	17.1	06/11/2014 18:43:08	39 31'11.61N 75 01'24.53W	4	R1-3P	674
61	304	193	29.9	21.1	06/11/2014 18:43:35	39 31'11.81N 75 01'24.64W	4	R1-1	674
62			48.9	24.8	06/11/2014 18:43:46	39 31'11.65N 75 01'24.62W	4		674
63	478	224	86.5	45.3	06/11/2014 18:44:16	39 31'11.79N 75 01'25.24W	5	R1-1	674
64			31	16.3	06/11/2014 18:44:25	39 31'11.81N 75 01'25.29W	5	R1-3P	674
65	209	158	22.9	17.5	06/11/2014 18:45:12	39 31'11.27N 75 01'25.84W	5	R1-1	674
66			50.4	24.7	06/11/2014 18:45:21	39 31'11.27N 75 01'25.84W	4	R1-3P	674
67	307	201	57	38.3	06/11/2014 18:45:56	39 31'10.94N 75 01'25.49W	4	R1-1	674

68			27.5	12.1	06/11/2014 18:46:10	39 31'10.97N 75 01'25.45W	5	R1-3P	674
69	305	202	91.5	61.2	06/11/2014 18:46:35	39 31'11.02N 75 01'24.94W	5	R1-1	674
70			37.1	19.7	06/11/2014 18:46:47	39 31'10.90N 75 01'24.75W	5	R1-3P	674
71	236	140	100	57.6	06/11/2014 18:47:33	39 31'11.03N 75 01'24.27W	5	R1-1	674
72			7.3	3.4	06/11/2014 18:47:45	39 31'11.02N 75 01'24.11W	5	R1-3P	674
73	391	203	68.4	39.5	06/11/2014 18:48:10	39 31'10.91N 75 01'23.95W	6	R1-1	674
74			21.3	9.8	06/11/2014 18:48:19	39 31'10.97N 75 01'23.96W	5	R1-3P	674
75	146	96	53.9	32.9	06/11/2014 18:48:54	39 31'10.88N 75 01'23.53W	5	R1-1	674
76			30.1	13.9	06/11/2014 18:49:02	39 31'10.86N 75 01'23.46W	5	R1-3P	674
77			68.9	31.8	06/11/2014 18:51:30	39 31'11.89N 75 01'31.04W	6	R2-1	674
78			65.8	28	06/11/2014 18:51:58	39 31'11.60N 75 01'31.36W	6	w10-1	674
79	3.2	1.7	2.3	1.4	06/11/2014 18:52:58	39 31'11.57N 75 01'33.15W	6	W3-1	674
80			60.8	28.1	06/11/2014 18:54:38	39 31'12.69N 75 01'50.09W	8	W2-1	674
81	299	227	25.9	18.2	06/11/2014 18:56:34	39 31'13.50N 75 01'58.54W	4	R1-1	674
82	515	264	106	56.9	06/11/2014 18:57:23	39 31'13.28N 75 01'57.94W	5	R1-1	674
83	184	175	28.9	20.5	06/11/2014 18:58:24	39 31'12.44N 75 01'57.97W	5	R1-1	674
84	208	189	23.7	17.4	06/11/2014 18:59:08	39 31'11.93N 75 01'58.40W	6	R1-1	674
85			69.3	30	06/11/2014 19:01:48	39 31'13.43N 75 02' 6.34W	6	W2-1	674
86			27.7	13.8	06/11/2014 19:03:53	39 31'13.81N 75 02'10.00W	9	R2-1	674
87			36.7	18.8	06/11/2014 19:08:54	39 31'16.84N 75 03'24.37W	7	W2-1	674
88	604	261	144	68.5	06/11/2014 19:11:19	39 31'17.61N 75 03'32.14W	5	R1-1	674
89	199	225	50.2	33.7	06/11/2014 19:11:57	39 31'17.69N 75 03'31.85W	5	R1-1	674
90	389	214	12.2	9.9	06/11/2014 19:13:04	39 31'16.63N 75 03'31.84W	6	R1-1	674
91	241	211	0.4	0.3	06/11/2014 19:13:31	39 31'16.57N 75 03'32.11W	5	R1-1	674
92			46.7	20.6	06/11/2014 19:18:22	39 31'17.29N 75 03'39.83W	7	W2-1	674
93			567	272	06/11/2014 19:20:03	39 31'17.75N 75 03'48.02W	7	R2-1	674
94	11.6	6.6	9.1	5.2	06/11/2014 19:23:07	39 31'18.28N 75 04'18.67W	6	R1-1	674

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Msrmt Number	0.2 Alpha Legend	0.5 Alpha Legend	0.2 Alpha Bkgrnd	0.5 Alpha Bkgrnd	Date/Time	Latitude	Longitude	Position Accuracy (m)	Barcode	Standard Comments	User Comment	Route
1	1.9	1.1	24.8	12.5	06/18/2014 18:07:10	39 23'58.61N	75 04'30.47W	8	w3-1			712
2			46.4	24.6	06/18/2014 18:08:48	39 23'55.07N	75 04'31.45W	10	r2-1			712
3	135	69.5	409	194	06/18/2014 18:09:36	39 23'53.15N	75 04'31.26W	7	w3-1			712
4	540	269	137	68.6	06/18/2014 18:11:07	39 23'46.61N	75 04'31.92W	8	r1-3			712
5			254	114	06/18/2014 18:11:38	39 23'46.52N	75 04'31.96W	7	r1-4			712
6	553	243	115	58.7	06/18/2014 18:12:23	39 23'46.82N	75 04'31.68W	5	r1-1			712
7			415	193	06/18/2014 18:12:38	39 23'46.87N	75 04'31.65W	4	r1-4			712
8	566	281	163	80.9	06/18/2014 18:14:07	39 23'46.01N	75 04'31.57W	6	r1-1			712
9			431	202	06/18/2014 18:14:31	39 23'45.90N	75 04'31.56W	6	r1-4			712
10	505	228	97.4	50.6	06/18/2014 18:15:33	39 23'45.89N	75 04'32.15W	4	r1-1			712
11			204	95.3	06/18/2014 18:15:49	39 23'45.90N	75 04'32.16W	4	r1-4			712
12			42.8	22.8	06/18/2014 18:18:07	39 23'45.29N	75 04'32.11W	10	r2-1			712
13	44.6	21.1	9.7	3.9	06/18/2014 18:19:25	39 23'39.13N	75 04'32.11W	7	r1-1			712
14	6.6	2.4	33.6	13.5	06/18/2014 18:20:48	39 23'40.11N	75 04'31.37W	7	W3-1			712
15	539	208	114	51	06/18/2014 18:29:24	39 23'34.19N	75 04'30.48W	8	R1-1			712
16			70.7	35.6	06/18/2014 18:30:57	39 23'31.34N	75 04'31.67W	11	R7-19			712
17			42.7	21.6	06/18/2014 18:32:41	39 23'31.28N	75 04'31.01W	15	R7-19			712
18			672	299	06/18/2014 18:33:25	39 23'29.01N	75 04'30.65W	13	S1-1			712
19			422	227	06/18/2014 18:33:40	39 23'28.96N	75 04'30.68W	12	W16-9P			712
20			54	27.2	06/18/2014 18:36:19	39 23'27.73N	75 04'31.14W	12	R7-19			712
21			73.3	35.2	06/18/2014 18:37:05	39 23'25.39N	75 04'30.87W	10	R7-19			712
22			99.3	40.9	06/18/2014 18:38:14	39 23'23.99N	75 04'29.92W	8	R2-1			712
23			65	32.7	06/18/2014 18:38:47	39 23'23.60N	75 04'30.29W	7	R7-19			712
24			76	37.7	06/18/2014 18:40:49	39 23'19.48N	75 04'29.14W	11	R7-19			712
25	510	246	52.2	27.3	06/18/2014 18:42:33	39 23'18.59N	75 04'30.34W	12	R1-1			712
26			661	284	06/18/2014 18:43:23	39 23'17.87N	75 04'29.95W	11	S1-1			712
27			441	221	06/18/2014 18:43:40	39 23'17.84N	75 04'29.83W	12	W16-7P			712
28			442	205	06/18/2014 18:44:20	39 23'17.27N	75 04'29.89W	10	W1-2 L			712
29			440	207	06/18/2014 18:44:50	39 23'17.34N	75 04'29.55W	10	W13-1P			712
30			323	205	06/18/2014 18:45:20	39 23'16.92N	75 04'29.36W	8				712
31			599	270	06/18/2014 18:46:07	39 23'17.87N	75 04'29.57W	8	S1-1			712
32			454	231	06/18/2014 18:46:23	39 23'17.83N	75 04'29.56W	8	W16-7P			712

33			5.4	3	06/18/2014 18:49:31	39 23'15.26N 75 04'29.50W	7	W1-8 R	712
34			35.2	15	06/18/2014 18:49:53	39 23'15.20N 75 04'29.47W	8	W1-8 R	712
35			304	200	06/18/2014 18:50:17	39 23'15.11N 75 04'29.71W	8	W1-8 R	712
36			14.6	6.2	06/18/2014 18:50:40	39 23'14.72N 75 04'29.42W	9	W1-8 L	712
37			25.9	12.3	06/18/2014 18:50:51	39 23'14.61N 75 04'29.50W	10	W1-8 R	712
38			288	193	06/18/2014 18:51:12	39 23'14.26N 75 04'29.49W	10	W1-8 L	712
39			13.4	6.1	06/18/2014 18:51:22	39 23'14.06N 75 04'29.35W	10	W1-8 R	712
40			8.5	5.4	06/18/2014 18:51:48	39 23'14.02N 75 04'29.58W	10	W1-8 L	712
41			66.3	31.5	06/18/2014 18:52:03	39 23'14.01N 75 04'29.36W	10	W1-8 R	712
42			630	285	06/18/2014 18:53:46	39 23'12.23N 75 04'27.68W	11	S1-1	712
43			400	219	06/18/2014 18:54:13	39 23'12.28N 75 04'27.70W	11	W16-9P	712
44	441	196	97.6	44.6	06/18/2014 18:55:12	39 23'11.59N 75 04'28.22W	9	R1-1	712
45			35.1	15.7	06/18/2014 18:56:20	39 23'10.81N 75 04'26.90W	10	R2-1	712
46			421	194	06/18/2014 19:00:35	39 23' 9.53N 75 04'25.26W	10	w1-2r	712
47			441	202	06/18/2014 19:00:49	39 23' 9.64N 75 04'25.22W	11	w13-1p	712
48	87.4	66.7	36.6	27.6	06/18/2014 19:04:25	39 23' 6.83N 75 04'24.25W	14	R1-1	712
49	33.8	19.3	7.2	4.6	06/18/2014 19:05:49	39 23' 4.03N 75 04'21.72W	14	R1-1	712
50	661	377	80.9	50.4	06/18/2014 19:07:14	39 23' 1.67N 75 04'19.70W	11	R1-1	712
51	428	198	14	9	06/18/2014 19:08:13	39 23' 1.94N 75 04'18.52W	9	R1-1	712
52	10.1	3.6	47.8	16.5	06/18/2014 19:10:54	39 22'55.79N 75 04'14.82W	9	W3-1	712
53	344	224	0.5	0.4	06/18/2014 19:12:58	39 22'55.41N 75 04'13.25W	4	R2-1	712

Msrmt Number	0.2 Alpha Legend	0.5 Alpha Legend	0.2 Alpha Bkgrnd	0.5 Alpha Bkgrnd	Date/Time	Latitude	Longitude	Position Accuracy (m)	Barcode	Standard Comments	User Comment	Route
1			477	213	05/27/2014 16:51:08	39 26.3464'N	75 6.3228'W	8	W1-7			717
2	542	235	96.3	48	05/27/2014 16:52:16	39 26.3507'N	75 6.3205'W	7	R1-1			717
3	135	68.7	478	204	05/27/2014 16:54:56	39 26.4575'N	75 6.3553'W	8	W3-1			717
4			559	233	05/27/2014 16:55:32	39 26.4650'N	75 6.3587'W	8	R2-1			717
5	232	157	63.1	37.8	05/27/2014 16:58:53	39 26.7775'N	75 6.4797'W	8	R1-1			717
6	138	59	302	160	05/27/2014 17:02:12	39 27.4169'N	75 6.7391'W	5	W3-1			717
7	124	64.6	509	234	05/27/2014 17:03:27	39 27.4154'N	75 6.7382'W	6	W3-1			717
8			397	176	05/27/2014 17:05:43	39 27.4783'N	75 6.7637'W	5	R2-1			717
9	445	200	104	50.4	05/27/2014 17:08:19	39 27.5055'N	75 6.7801'W	4	R1-1			717
10	520	215	137	64.7	05/27/2014 17:09:39	39 27.5261'N	75 6.7829'W	6	R1-1			717
11	449	234	126	65.9	05/27/2014 17:10:24	39 27.5235'N	75 6.7844'W	6	R1-1			717
12	483	250	102	56.7	05/27/2014 17:11:41	39 27.5199'N	75 6.7877'W	6	R1-1			717
13	101	49.5	330	161	05/27/2014 17:16:32	39 27.6102'N	75 6.8162'W	6	W3-1			717
14	121	59.3	499	231	05/27/2014 17:17:58	39 27.6093'N	75 6.8201'W	7	W3-1			717
15			71.3	34.3	05/27/2014 17:20:16	39 27.9084'N	75 6.9336'W	7	W2-2			717
16	80.8	63.6	33.6	25.7	05/27/2014 17:23:48	39 27.9894'N	75 6.9699'W	6	R1-1			717
17			33	17.6	05/27/2014 17:25:37	39 28.0706'N	75 6.9987'W	5	W2-2			717
18			40.3	20	05/27/2014 17:26:40	39 28.1398'N	75 7.0258'W	6	W2-1			717
19			74.4	23	05/27/2014 17:28:23	39 28.1780'N	75 7.0446'W	7	R2-1			717
20	148	100	47.4	30.1	05/27/2014 17:29:46	39 28.2065'N	75 7.0535'W	6	R1-1			717
21	648	272	166	74.3	05/27/2014 17:31:24	39 28.1998'N	75 7.0664'W	4	R1-1			717
22			22.7	9.7	05/27/2014 17:35:10	39 28.2841'N	75 7.0843'W	7	W2-1			717
23			392	183	05/27/2014 17:36:27	39 28.4223'N	75 7.1436'W	10	W2-1			717
24	146	97.9	41.2	26.7	05/27/2014 17:40:02	39 28.5235'N	75 7.1784'W	6	R1-1			717
25	349	223	89.3	58.7	05/27/2014 17:40:53	39 28.5278'N	75 7.1855'W	7	R1-1			717
26	489	252	80.8	46.9	05/27/2014 17:42:11	39 28.5219'N	75 7.2047'W	7	R1-1			717
27	230	212	33.7	24.2	05/27/2014 17:43:37	39 28.5185'N	75 7.1954'W	8	R1-1			717
28			54.7	24.3	05/27/2014 17:46:47	39 28.5972'N	75 7.2200'W	7	W2-1			717
29	120	85.1	49.6	33	05/27/2014 17:47:40	39 28.6034'N	75 7.2309'W	8	R1-1			717
30	93.4	72.2	36.5	28.1	05/27/2014 17:51:21	39 28.7215'N	75 7.2782'W	5	R1-1			717
31			475	276	05/27/2014 17:52:57	39 28.7347'N	75 7.2767'W	5	w10-1			717
32	152	98.2	45.9	29.2	05/27/2014 17:56:53	39 28.8296'N	75 7.3265'W	11	R1-1			717

33			435	252	05/27/2014 17:59:28	39 28.8858'N 75 7.3478'W	8	w10-1	717
34	80.9	31.3	17.1	8	05/27/2014 18:25:26	39 28.9540'N 74 58.5835'W	8	R1-1	672
35			62.4	27.5	05/27/2014 18:26:09	39 28.9566'N 74 58.5786'W	7		672
36	547	229	589	315	05/27/2014 18:26:58	39 28.9587'N 74 58.5799'W	7		672
37			454	269	05/27/2014 18:30:57	39 28.9225'N 74 58.5795'W	8		672
38			69.1	45.8	05/27/2014 18:32:22	39 28.9018'N 74 58.5818'W	9		672
39	181	62	26.5	10.4	05/27/2014 18:33:52	39 28.8847'N 74 58.5914'W	5	R1-1	672
40	544	222	545	297	05/27/2014 18:36:33	39 28.7767'N 74 58.5953'W	7		672
41			104	63.6	05/27/2014 18:38:38	39 28.6893'N 74 58.5970'W	8		672
42			77.9	36.1	05/27/2014 18:42:14	39 28.6196'N 74 58.5991'W	5	R2-1	672
43			367	232	05/27/2014 18:43:13	39 28.6053'N 74 58.6100'W	5		672
44			393	243	05/27/2014 18:44:02	39 28.6038'N 74 58.6121'W	6	w16-7p	672
45			325	208	05/27/2014 18:46:27	39 28.5927'N 74 58.6170'W	7		672
46			372	234	05/27/2014 18:47:04	39 28.5898'N 74 58.6170'W	6	w16-7p	672
47			353	222	05/27/2014 18:47:50	39 28.5833'N 74 58.6019'W	7		672
48			385	237	05/27/2014 18:48:17	39 28.5848'N 74 58.6032'W	6	w16-7p	672
49			357	227	05/27/2014 18:49:26	39 28.5986'N 74 58.5976'W	6		672
50			386	240	05/27/2014 18:49:55	39 28.5983'N 74 58.5966'W	5	w16-7p	672
51			54.3	21.3	05/27/2014 18:51:23	39 28.5771'N 74 58.6126'W	6	r2-1	672
52	62.5	23.4	7.7	3.2	05/27/2014 19:00:38	39 28.3742'N 74 58.6288'W	6	R1-1	672
53	339	212	88.8	56.2	05/27/2014 19:03:38	39 28.1498'N 74 58.6451'W	6	R1-1	672
54	401	190	117	59.3	05/27/2014 19:04:51	39 28.0626'N 74 58.6527'W	7	R1-1	672
55	6.3	2	40.3	13.4	05/27/2014 19:06:06	39 27.9943'N 74 58.6584'W	5	W3-1	672
56			158	71.1	05/27/2014 19:07:22	39 27.9206'N 74 58.6650'W	7	R2-1	672
57	396	210	108	61.1	05/27/2014 19:08:39	39 27.9042'N 74 58.6661'W	6	r1-1	672

ard Comments
Good
Replacement
ole Bent

PS Datum

Msrmt	0.2							Position				
Number	Alpha	0.5 Alpha	0.2 Alpha	0.5 Alpha	Date/Time	Latitude	Longitude	Accuracy	Barcode	Standard	User	Route
	Legend	Legend	Bkgrnd	Bkgrnd				(m)		Comments	Comment	
1			25.8	13.6	06/02/2014 17:18:22	39 17'36.79N	75 10'34.57W	6	W11-8			732
2			44.4	21.4	06/02/2014 17:20:54	39 17'41.22N	75 10'33.75W	7	s1-1			732
3			65	32.4	06/02/2014 17:22:31	39 17'47.99N	75 10'34.88W	7	W11-8			732
4			611	275	06/02/2014 17:27:05	39 17'42.29N	75 09'52.42W	4	s4-3			553
5			519	232	06/02/2014 17:27:25	39 17'42.25N	75 09'52.47W	4	R2-1			553
6			636	268	06/02/2014 17:27:49	39 17'42.23N	75 09'52.46W	4	s4-2			553
7			396	203	06/02/2014 17:29:08	39 17'46.03N	75 09'52.87W	5	W1-2 L			553
8			32.4	17.5	06/02/2014 17:29:34	39 17'46.12N	75 09'52.81W	5	W13-1P			553
9			604	266	06/02/2014 17:31:38	39 17'58.20N	75 09'51.92W	9	s4-3			553
10			523	231	06/02/2014 17:31:50	39 17'58.24N	75 09'51.95W	9	R2-1			553
11			602	258	06/02/2014 17:32:14	39 17'58.34N	75 09'51.94W	7	s4-2			553
12			528	256	06/02/2014 17:34:15	39 18' 2.33N	75 09'51.87W	8	s1-1a			553
13			439	232	06/02/2014 17:34:31	39 18' 2.54N	75 09'51.88W	7	W16-9P			553
14			63.7	23.1	06/02/2014 17:35:47	39 18' 5.78N	75 09'51.21W	7	W2-1			553
15			58.3	25.4	06/02/2014 17:36:51	39 18'14.35N	75 09'50.83W	6	W1-2 L			553
16			56.8	29.9	06/02/2014 17:37:15	39 18'14.29N	75 09'50.96W	6	W13-1P			553
17			10.8	4.7	06/02/2014 17:39:01	39 18'17.35N	75 09'51.37W	5	W2-1			553
18			408	192	06/02/2014 17:40:11	39 18'22.69N	75 09'54.81W	6	W2-1			553
19			86.1	39.6	06/02/2014 17:41:25	39 18'25.37N	75 09'59.12W	5	W1-2 R			553
20			28.2	15.3	06/02/2014 17:41:41	39 18'25.41N	75 09'59.11W	4	W13-1P			553
21			382	202	06/02/2014 17:43:32	39 18'32.12N	75 10' 8.14W	6	W2-1			553
22			52.3	25.2	06/02/2014 17:45:01	39 18'38.26N	75 10'15.63W	5	R2-1			553
23	701	274	133	56.6	06/02/2014 17:48:34	39 19'11.76N	75 11' 0.05W	5	R1-1			553
24			10.9	6.7	06/02/2014 17:50:50	39 19'27.18N	75 11'21.38W	6	R2-1			553
25			49.5	24.1	06/02/2014 17:52:19	39 19'33.83N	75 11'29.88W	6	W3-5			553
26			50.8	23.4	06/02/2014 17:53:40	39 19'37.65N	75 11'34.98W	7	R2-1			553
27			79.5	37	06/02/2014 17:54:37	39 19'37.30N	75 11'35.23W	5	R2-1			553
28	314	194	92.1	58.9	06/02/2014 18:00:16	39 19'39.17N	75 11'39.46W	4	R1-1			553
29	18.4	10.4	6.5	3.8	06/02/2014 18:08:43	39 19'41.13N	75 11'39.55W	7	R1-1			553
30	544	256	458	229	06/02/2014 18:09:42	39 19'42.34N	75 11'41.21W	5	W3-5			553
31			15.2	6.9	06/02/2014 18:10:56	39 19'44.31N	75 11'44.44W	7	R2-1			553
32			500	202	06/02/2014 18:11:50	39 19'45.12N	75 11'44.95W	5	R2-1			553

33			606	241	06/02/2014 18:13:18	39 19'49.66N	75 11'50.89W	10	R2-1	553
34	23.3	13.1	6.2	3.9	06/02/2014 18:15:01	39 19'53.43N	75 11'55.97W	8	R1-1	553
35	483	238	79.7	43.6	06/02/2014 18:29:58	39 22'15.44N	75 09'21.10W	7	R1-1	692
36	224	197	78.5	43.3	06/02/2014 18:34:13	39 22'28.03N	75 10'41.57W	6	r1-1	692
37			47.6	19.3	06/02/2014 18:35:43	39 22'28.76N	75 10'47.03W	8	W2-2	692
38			39.3	19	06/02/2014 18:38:49	39 22'39.81N	75 11'57.70W	7	W2-1	692
39	517	264	121	63.3	06/02/2014 18:41:08	39 22'41.16N	75 12' 5.84W	6	R1-1	692
40	333	185	81	44.6	06/02/2014 18:42:47	39 22'40.30N	75 12' 5.63W	6		692
41			49.1	23	06/02/2014 18:45:15	39 22'42.53N	75 12'13.82W	9	W2-1	692
42			47.8	22.8	06/02/2014 18:47:13	39 22'48.48N	75 12'51.85W	6	w10-1	692
43	110	80.5	48.2	32.1	06/02/2014 18:49:06	39 22'49.37N	75 12'59.27W	4	R1-1	692
44			39.7	18.7	06/02/2014 18:50:19	39 22'49.60N	75 12'59.74W	5	s4-3	692
45			78	35.1	06/02/2014 18:50:34	39 22'49.66N	75 12'59.62W	6	R2-1	692
46			66	31.2	06/02/2014 18:51:02	39 22'49.53N	75 12'59.48W	6	s4-2	692
47			49.6	25.7	06/02/2014 18:52:20	39 22'49.84N	75 13' 1.80W	7	w10-1	692
48	18.3	8.4	6.1	2.9	06/02/2014 18:53:19	39 22'49.96N	75 13' 2.38W	7	R1-1	692
49			92.3	55.7	06/02/2014 18:55:42	39 22'50.93N	75 13' 9.45W	5	s2-1	692
50	403	240	108	62.4	06/02/2014 18:56:26	39 22'51.13N	75 13' 9.35W	5	R1-1	692
51			59.5	28.3	06/02/2014 18:58:22	39 22'52.57N	75 13'11.45W	8	s4-3	692
52			3.7	1.8	06/02/2014 18:58:34	39 22'52.69N	75 13'11.43W	8	R2-1	692
53			42.9	21.4	06/02/2014 18:58:58	39 22'52.70N	75 13'11.41W	7	s4-2	692
54	306	211	109	64.8	06/02/2014 19:01:16	39 22'53.25N	75 13'11.48W	8	R1-1	692
55			483	222	06/02/2014 19:05:10	39 22'56.41N	75 13' 6.86W	8	R2-1	698
56			62.1	49.6	06/02/2014 19:07:10	39 22'57.43N	75 13' 5.47W	6	W2-2	698
57			435	262	06/02/2014 19:08:19	39 23' 0.72N	75 12'58.87W	8	w10-1	698
58			474	221	06/02/2014 19:09:32	39 23' 2.27N	75 12'55.90W	6	R2-1	698
59			532	222	06/02/2014 19:10:28	39 23' 2.83N	75 12'54.31W	5	r2-1	698
60			14.5	5.9	06/02/2014 19:11:59	39 23' 7.71N	75 12'40.36W	7	W2-2	698
61	286	161	17.1	11.9	06/02/2014 19:13:38	39 23' 8.57N	75 12'36.62W	7	R1-1	698
62			337	222	06/02/2014 19:14:27	39 23' 8.37N	75 12'36.16W	6	s1-1	698
63			390	247	06/02/2014 19:15:07	39 23' 8.32N	75 12'36.22W	5	W16-9P	698
64			474	213	06/02/2014 19:16:32	39 23' 9.14N	75 12'34.24W	6	R2-1	698
65	616	184	7.3	5.2	06/02/2014 19:17:11	39 23' 9.07N	75 12'34.07W	5	R1-1	698
66			56.1	30.6	06/02/2014 19:18:40	39 23'10.16N	75 12'25.77W	6	W1-2 R	698
67			335	222	06/02/2014 19:21:07	39 23'11.73N	75 12'20.73W	9	s1-1	698

68			382	246	06/02/2014 19:21:26	39 23'11.68N	75 12'20.77W	7	W16-9P	698
69			523	241	06/02/2014 19:22:41	39 23'11.71N	75 12'19.45W	4	w1-8l	698
70			504	289	06/02/2014 19:23:37	39 23'11.92N	75 12'18.57W	6	R2-1	698
71	459	278	111	72.1	06/02/2014 19:24:33	39 23'11.99N	75 12'18.49W	6	R1-1	698
72			469	229	06/02/2014 19:25:21	39 23'11.92N	75 12'17.71W	5	w1-8 l	698
73	118	69.5	4.8	2.9	06/02/2014 19:26:41	39 23'11.55N	75 12'18.68W	5	R1-1	698
74	524	230	473	246	06/02/2014 19:30:42	39 23'12.28N	75 12'11.35W	6	W3-5	698
75			488	238	06/02/2014 19:31:59	39 23'12.80N	75 12' 8.96W	6	W1-2 L	698
76			58.2	25.9	06/02/2014 19:33:23	39 23'12.83N	75 12' 3.02W	7	W2-1	698
77	82.3	29.5	4.7	1.9	06/02/2014 19:35:10	39 23'13.42N	75 11'54.50W	7	R1-1	698
78	229	155	81.6	44.5	06/02/2014 19:36:43	39 23'14.05N	75 11'54.98W	4	R1-1	698
79			33.3	17.9	06/02/2014 19:40:52	39 23'13.62N	75 11'53.78W	5	R2-1	698
80			69.4	27.2	06/02/2014 19:45:40	39 23'14.15N	75 11'46.42W	6	W2-1	698
81			114	46.6	06/02/2014 19:47:20	39 23'15.37N	75 11'24.50W	7	R2-1	698
82			87	41	06/02/2014 19:51:11	39 23'21.53N	75 09'50.50W	11	r7-19	698
83			15.9	8.4	06/02/2014 19:52:10	39 23'22.37N	75 09'46.01W	14	w7-19	698
84			95.9	43.9	06/02/2014 19:52:44	39 23'22.41N	75 09'46.00W	8	w7-19	698
85			94	43.2	06/02/2014 19:54:07	39 23'22.49N	75 09'42.41W	11	w7-19	698
86			93.1	41.6	06/02/2014 19:54:46	39 23'22.75N	75 09'42.71W	8	w7-19	698
87			95.3	44.6	06/02/2014 19:55:55	39 23'22.89N	75 09'38.24W	5	w7-19	698
88			65.6	29	06/02/2014 19:56:25	39 23'22.75N	75 09'38.16W	6	r7-19	698
89			90.7	41.3	06/02/2014 19:57:58	39 23'23.39N	75 09'33.90W	8	w7-19	698
90			71.8	34.6	06/02/2014 19:58:50	39 23'23.72N	75 09'30.84W	10	w7-19	698
91			76	35	06/02/2014 19:59:59	39 23'23.72N	75 09'30.86W	8	w7-19	698
92			87.9	37.3	06/02/2014 20:01:21	39 23'23.71N	75 09'26.52W	9	w7-19	698
93			84.7	38.7	06/02/2014 20:01:54	39 23'23.75N	75 09'26.41W	9	w7-19	698
94			80.8	37.9	06/02/2014 20:03:24	39 23'24.10N	75 09'22.48W	9	w7-19	698
95			89.1	39.2	06/02/2014 20:04:41	39 23'24.24N	75 09'18.71W	8	w7-19	698
96			67.9	30.5	06/02/2014 20:06:52	39 23'26.41N	75 08'56.60W	6	R2-1	698
97	9.6	3.4	40.9	13.8	06/02/2014 20:09:45	39 23'27.19N	75 08'38.36W	4	W3-1	698
98	3.8	1.5	40	13.7	06/02/2014 20:10:55	39 23'27.40N	75 08'38.65W	5	W3-1	698
99	313	206	94.2	61.8	06/02/2014 20:12:50	39 23'28.16N	75 08'32.02W	5	R1-1	698
100	434	216	87.4	49.4	06/02/2014 20:14:01	39 23'27.93N	75 08'31.25W	7	R1-1	698
101	372	229	85	55.6	06/02/2014 20:15:19	39 23'27.86N	75 08'29.05W	7	R1-1	698
102	450	236	101	58	06/02/2014 20:16:29	39 23'28.07N	75 08'29.03W	6	R1-1	698

103	5.7	2.3	37.7	12.3	06/02/2014 20:18:32	39 23'28.67N	75 08'21.40W	6	W3-1	698
104	3.3	1.4	36.5	12.9	06/02/2014 20:19:16	39 23'28.69N	75 08'21.28W	6	W3-1	698
105			41.5	16.2	06/02/2014 20:21:46	39 23'29.73N	75 08' 7.34W	10	w8-18	698
106	10.5	3.4	47	18.8	06/02/2014 20:25:31	39 23'38.35N	75 06'11.38W	8	W3-1	698
107			83.8	38.6	06/02/2014 20:26:49	39 23'38.83N	75 06' 8.62W	7	R2-1	698
108	419	231	100	57.2	06/02/2014 20:28:43	39 23'38.91N	75 06' 4.42W	5	R1-1	698
109	391	259	93.7	64	06/02/2014 20:29:32	39 23'39.31N	75 06' 4.69W	6	R1-1	698

iPS Datum

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Msrmt Number	0.2 Alpha Legend	0.5 Alpha Legend	0.2 Alpha Bkgrnd	0.5 Alpha Bkgrnd	Date/Time	Latitude	Longitude	Position Accuracy (m)	Barcode	Standard Comments	User Comment	Route
1			61	27.9	06/28/2014 07:41:56	39 14'48.62N	75 01'31.18W	29	R2-1			553
2	517	248	59	32.2	06/28/2014 07:42:31	39 14'38.92N	75 01'28.97W	27	R1-1			553
3			36.9	16.5	06/28/2014 07:42:49	39 14'39.17N	75 01'29.23W	15	W14-2			553
4	374	235	62.6	34.7	06/28/2014 07:43:16	39 14'39.29N	75 01'28.48W	16	R1-1			553
5			41.5	19.3	06/28/2014 07:44:18	39 14'40.13N	75 01'31.38W	21	R2-1			553
6	559	271	173	88.3	06/28/2014 07:45:41	39 14'41.32N	75 01'33.68W	17	R1-1			553
7	216	74.2	13.1	5.2	06/28/2014 07:47:21	39 14'41.43N	75 01'33.68W	9	R1-1			553
8	394	171	38.5	22.7	06/28/2014 07:48:23	39 14'42.04N	75 01'38.80W	8	R1-1			553
9			7.7	3.8	06/28/2014 07:48:57	39 14'41.45N	75 01'38.37W	8	W14-2			553
10	527	240	144	74.1	06/28/2014 07:49:13	39 14'41.47N	75 01'38.33W	8	R1-1			553
11	600	284	102	53.8	06/28/2014 07:50:55	39 14'42.58N	75 01'43.00W	7	R1-1			553
12			457	226	06/28/2014 07:51:12	39 14'42.47N	75 01'42.82W	8	W1-7			553
13			415	202	06/28/2014 07:51:20	39 14'42.24N	75 01'42.84W	8	W1-7			553
14			604	249	06/28/2014 07:52:19	39 14'42.49N	75 01'44.33W	8	R2-1			553
15	502	208	104	52.1	06/28/2014 07:53:28	39 14'42.79N	75 01'46.95W	6	R1-1			553
16	438	228	116	64.3	06/28/2014 07:54:34	39 14'42.11N	75 01'46.60W	7	R1-1			553
17			76.7	33.5	06/28/2014 07:55:29	39 14'42.47N	75 01'49.24W	6	R2-1			553
18	425	195	97.5	49.6	06/28/2014 07:56:37	39 14'42.54N	75 01'51.38W	8	R1-1			553
19	496	200	87.5	42.7	06/28/2014 07:58:37	39 14'43.55N	75 01'58.25W	8	R1-1			553
20	459	270	65.6	33.9	06/28/2014 07:59:03	39 14'44.01N	75 01'58.36W	7	R1-1			553
21			636	246	06/28/2014 08:00:09	39 14'44.05N	75 02' 3.71W	6	R2-1			553
22	565	269	115	59.2	06/28/2014 08:00:52	39 14'44.45N	75 02' 3.47W	5	R1-1			553
23	309	232	37.1	26.7	06/28/2014 08:02:00	39 14'44.72N	75 02' 6.79W	7	R1-1			553
24	303	240	31.8	20.8	06/28/2014 08:02:39	39 14'44.09N	75 02' 6.62W	7	R1-1			553
25	565	265	124	62.6	06/28/2014 08:03:47	39 14'44.82N	75 02'10.60W	11	R1-1			553
26	584	272	122	64.9	06/28/2014 08:04:24	39 14'44.69N	75 02'10.51W	9	R1-1			553
27			642	255	06/28/2014 08:05:29	39 14'44.83N	75 02'12.77W	7	R2-1			553
28			65.8	30.6	06/28/2014 08:06:16	39 14'45.11N	75 02'13.62W	7	R2-1			553
29	659	197	30.3	12.9	06/28/2014 08:07:13	39 14'44.85N	75 02'14.85W	8	R1-1			553
30	224	75.4	28	10.8	06/28/2014 08:08:00	39 14'45.58N	75 02'15.07W	7	R1-1			553
31	671	224	87	31.6	06/28/2014 08:09:37	39 14'46.22N	75 02'19.23W	7	R1-1			553
32	473	218	115	55.7	06/28/2014 08:10:23	39 14'45.35N	75 02'20.45W	7	R1-1			553

33			467	211	06/28/2014 08:11:28	39 14'46.30N	75 02'24.78W	8	R2-1	553
34	40.7	17.2	17.9	6.2	06/28/2014 08:11:52	39 14'46.32N	75 02'24.81W	8	R1-1	553
35			626	247	06/28/2014 08:12:20	39 14'45.70N	75 02'24.58W	6	R2-1	553
36	402	193	27	15.7	06/28/2014 08:13:46	39 14'46.97N	75 02'30.54W	9	R1-1	553
37	522	221	514	220	06/28/2014 08:14:29	39 14'46.84N	75 02'31.01W	7		553
38	409	197	88.9	44.2	06/28/2014 08:15:52	39 14'47.18N	75 02'35.51W	7	R1-1	553
39			4.6	2.3	06/28/2014 08:16:28	39 14'47.26N	75 02'35.71W	8	R2-1	553
40			643	256	06/28/2014 08:35:51	39 22'37.12N	75 13'22.40W	7	R2-1	553
41			59.3	26	06/28/2014 08:36:40	39 22'39.56N	75 13'23.32W	8	W1-2 R	553
42			65.7	29.7	06/28/2014 08:36:49	39 22'39.55N	75 13'23.30W	7	W13-1P	553
43			293	198	06/28/2014 08:38:03	39 22'42.26N	75 13'24.96W	7	W1-8 L	553
44			303	202	06/28/2014 08:38:22	39 22'42.28N	75 13'24.98W	7	W1-8 L	553
45			292	201	06/28/2014 08:38:35	39 22'42.63N	75 13'24.97W	7	W1-8 L	553
46			298	202	06/28/2014 08:38:51	39 22'42.94N	75 13'25.03W	6	W1-8 L	553
47	104	79.7	41.5	31.4	06/28/2014 08:39:26	39 22'43.03N	75 13'25.34W	6	R1-1	553
48			59.2	23.4	06/28/2014 08:41:23	39 22'45.62N	75 13'23.01W	7	W15-1	553
49			69.9	29.5	06/28/2014 08:41:49	39 22'46.07N	75 13'22.75W	6	S3-1	553
50			51	23	06/28/2014 08:42:13	39 22'46.43N	75 13'22.19W	6	W1-2 L	553
51			36	18.9	06/28/2014 08:42:23	39 22'46.46N	75 13'22.18W	6	W13-1P	553
52			589	254	06/28/2014 08:42:45	39 22'46.73N	75 13'21.82W	6	R2-1	553
53			441	258	06/28/2014 08:43:54	39 22'45.56N	75 13'22.80W	6	W11-8	553
54			519	246	06/28/2014 08:45:22	39 22'50.51N	75 13'17.46W	8	S1-1	553
55			343	177	06/28/2014 08:45:40	39 22'50.65N	75 13'17.60W	6	W16-9P	553
56			466	210	06/28/2014 08:46:08	39 22'50.92N	75 13'17.01W	6	R2-1	553
57	579	231	127	57.6	06/28/2014 08:46:43	39 22'51.01N	75 13'16.47W	6	R1-1	553
58			302	204	06/28/2014 08:47:15	39 22'51.78N	75 13'15.70W	7	W1-1 L	553
59	522	229	123	58.1	06/28/2014 08:47:51	39 22'52.39N	75 13'15.44W	7	R1-1	553
60			366	215	06/28/2014 08:49:00	39 22'53.35N	75 13'13.41W	5	W11-8	553
61			42.6	26.4	06/28/2014 08:49:22	39 22'53.13N	75 13'13.19W	6	S1-1	553
62			156	107	06/28/2014 08:50:30	39 22'54.16N	75 13'12.01W	5	S1-1	553
63			358	167	06/28/2014 08:51:06	39 22'54.50N	75 13'10.88W	6	W1-7	553
64	517	252	138	70.6	06/28/2014 08:52:33	39 22'54.98N	75 13'12.01W	6	R1-2	553
65			417	181	06/28/2014 08:52:58	39 22'55.61N	75 13'12.15W	6	R2-1	553
66			2.2	1.3	06/28/2014 08:54:31	39 22'57.16N	75 13'14.12W	9	R7-19	553

67			3.6	2.4	06/28/2014 08:56:19	39 22'59.03N	75 13'15.67W	10	S1-1	553
68			51.4	24.9	06/28/2014 08:56:30	39 22'59.10N	75 13'15.65W	8	W1-2 R	553
69			29	15.8	06/28/2014 08:56:50	39 22'59.12N	75 13'15.61W	6	W13-1P	553
70	421	247	400	236	06/28/2014 08:57:42	39 22'59.80N	75 13'16.55W	7	W3-2	553
71			521	215	06/28/2014 08:58:43	39 23' 0.77N	75 13'17.81W	6	W1-8 L	553
72			367	166	06/28/2014 08:59:07	39 23' 1.41N	75 13'18.26W	6	W1-8 R	553
73			541	217	06/28/2014 08:59:21	39 23' 1.42N	75 13'18.23W	6	W1-8 L	553
74			56.4	22.3	06/28/2014 08:59:36	39 23' 1.56N	75 13'18.34W	6	R7-19	553
75			3.9	2.1	06/28/2014 09:00:08	39 23' 2.07N	75 13'18.74W	6	W1-8 R	553
76			7.1	3	06/28/2014 09:00:19	39 23' 2.11N	75 13'18.76W	6	W1-8 L	553
77			44.2	23.9	06/28/2014 09:00:42	39 23' 2.05N	75 13'18.63W	5	R7-19	553
78			47.5	19.3	06/28/2014 09:00:52	39 23' 2.18N	75 13'18.34W	5	R7-19	553
79			49.8	20.1	06/28/2014 09:01:31	39 23' 3.11N	75 13'18.61W	5	R7-19	553
80			122	33	06/28/2014 09:01:45	39 23' 2.87N	75 13'18.92W	5	W1-8 R	553
81			481	223	06/28/2014 09:02:01	39 23' 2.89N	75 13'18.89W	6	W1-8 L	553
82			83.6	38.3	06/28/2014 09:04:04	39 23' 6.58N	75 13'19.12W	8	R2-1	553
83			60.4	28.7	06/28/2014 09:04:46	39 23' 7.48N	75 13'19.05W	7	W1-2 L	553
84			29.4	12.2	06/28/2014 09:05:24	39 23' 7.91N	75 13'19.93W	6	W13-1P	553
85	624	260	117	61.7	06/28/2014 09:05:45	39 23' 7.91N	75 13'19.95W	6	R1-1	553
86			35.2	18.9	06/28/2014 09:07:59	39 23'11.41N	75 13'19.06W	5	W1-7	553
87	322	133	108	51.6	06/28/2014 09:11:04	39 23'15.35N	75 13'13.16W	6	W3-1	553
88	36.4	17.1	34.6	14.1	06/28/2014 09:12:10	39 23'16.99N	75 13'10.70W	9	S3-1	553
89			128	48.4	06/28/2014 09:13:12	39 23'27.22N	75 12'58.16W	13	w10-1	553
90			67.9	32.7	06/28/2014 09:14:21	39 23'30.25N	75 12'53.38W	8	S3-1	553
91			61.6	24.5	06/28/2014 09:16:11	39 23'39.24N	75 12'38.97W	26	w10-1	553
92			33.8	17.7	06/28/2014 09:16:28	39 23'44.02N	75 12'32.56W	36	W2-1	553
93	595	230	107	48.1	06/28/2014 09:18:16	39 23'47.92N	75 12'28.99W	7	R1-1	553
94	137	48.8	13.1	5.2	06/28/2014 09:18:46	39 23'48.41N	75 12'29.56W	7	R1-1	553
95			11.1	6.5	06/28/2014 09:20:11	39 23'51.20N	75 12'25.21W	7	W2-1	553
96			79.4	36.8	06/28/2014 09:21:07	39 23'55.18N	75 12'18.11W	10	W2-1	553
97	83.3	131	0.2	0.1	06/28/2014 09:23:20	39 24' 0.70N	75 12'13.09W	6	R1-1	553
98	195	184	2.8	2.5	06/28/2014 09:24:15	39 24' 0.97N	75 12'13.18W	6	R1-1	553
99			85.5	39.8	06/28/2014 09:25:55	39 24' 5.93N	75 12' 6.31W	7	W2-1	553
100	112	138	10.5	10	06/28/2014 09:27:27	39 24'15.47N	75 11'54.28W	10	R1-1	553

101	216	210	33.2	25.1	06/28/2014 09:30:31	39 24'37.73N	75 11'25.89W	9	R1-1	553
102	4	1.6	72.2	30	06/28/2014 09:31:28	39 24'38.13N	75 11'22.87W	12	W3-3	553
103			20.3	9.8	06/28/2014 09:33:25	39 24'56.24N	75 11'14.16W	12	W1-2 L	553
104			45.8	35.2	06/28/2014 09:33:53	39 24'56.85N	75 11'13.75W	12	W13-1P	553
105			583	277	06/28/2014 09:36:10	39 25'15.67N	75 11' 4.06W	8	S1-1	553
106			454	233	06/28/2014 09:36:21	39 25'15.66N	75 11' 4.08W	7	W16-9P	553
107			445	199	06/28/2014 09:37:47	39 25'18.20N	75 11' 2.51W	7	S4-3	553
108			537	232	06/28/2014 09:37:56	39 25'18.19N	75 11' 2.47W	7	R2-1	553
109			524	235	06/28/2014 09:38:08	39 25'17.99N	75 11' 2.38W	7	S4-2	553
110	95.2	147	22.1	19.8	06/28/2014 09:40:58	39 25'22.88N	75 11' 1.39W	6	R1-1	553
111			599	280	06/28/2014 09:41:36	39 25'23.69N	75 11' 1.15W	6	S1-1	553
112			438	233	06/28/2014 09:41:47	39 25'23.68N	75 11' 1.16W	6	W16-7P	553
113			638	283	06/28/2014 09:42:28	39 25'23.32N	75 11' 0.53W	6	S1-1	553
114			449	227	06/28/2014 09:42:36	39 25'23.26N	75 11' 0.55W	6	W16-7P	553
115	152	187	0.2	0.2	06/28/2014 09:44:26	39 25'28.09N	75 10'59.45W	5	R1-1	553
116			577	263	06/28/2014 09:45:41	39 25'29.57N	75 10'58.31W	8	S4-3	553
117			627	248	06/28/2014 09:45:50	39 25'29.63N	75 10'58.36W	8	R2-1	553
118			630	250	06/28/2014 09:45:58	39 25'29.81N	75 10'58.35W	8	S4-2	553
119			653	290	06/28/2014 09:47:21	39 25'32.29N	75 10'57.30W	7	S1-1	553
120			435	235	06/28/2014 09:47:48	39 25'32.38N	75 10'56.96W	6	W16-9P	553
121			456	193	06/28/2014 09:48:52	39 25'32.80N	75 10'56.80W	7	w14-3	553
122			79.7	35.3	06/28/2014 09:51:11	39 25'49.28N	75 10'52.95W	22	W2-1	553
123			42.3	19.3	06/28/2014 09:52:06	39 25'50.78N	75 10'49.45W	10	w14-3	553
124	422	248	97.9	58.2	06/28/2014 09:56:29	39 25'52.33N	75 10'48.86W	6	R1-1	553
125	427	189	100	47.9	06/28/2014 09:57:24	39 25'51.93N	75 10'50.09W	5	R1-1	553
126	381	161	74.3	36.7	06/28/2014 09:58:10	39 25'52.24N	75 10'50.76W	5	R1-1	553
127			53	28.1	06/28/2014 10:01:40	39 25'59.02N	75 10'47.77W	14	W2-1	553
128			45.9	22.1	06/28/2014 10:03:28	39 26'11.18N	75 10'44.28W	9	W3-3	553
129			22.1	10.2	06/28/2014 10:05:02	39 26'26.43N	75 10'37.40W	22	W2-1	553
130	583	227	70.3	26.6	06/28/2014 10:07:51	39 27'17.26N	75 10'28.28W	6	R1-1	553
131	607	222	143	61.7	06/28/2014 10:09:02	39 27'18.68N	75 10'28.06W	6	R1-1	553
132	8.2	2.5	43.9	14.1	06/28/2014 10:11:59	39 27'22.28N	75 10'34.09W	6	w3-1	553
133			67.6	27.7	06/28/2014 10:12:15	39 27'22.34N	75 10'34.07W	6	w1-2r	553
134			1.8	1	06/28/2014 10:13:46	39 27'26.58N	75 10'42.89W	17	W1-2 R	553

135	55.5	25.7	06/28/2014 10:13:58	39 27'26.95N	75 10'43.12W	14	W13-1P	553
136	57.3	26.6	06/28/2014 10:15:19	39 27'35.30N	75 10'52.80W	8	W1-2 L	553
137	59.8	31.6	06/28/2014 10:15:48	39 27'35.46N	75 10'52.72W	8	W13-1P	553
138	482	284	06/28/2014 10:16:35	39 27'45.29N	75 10'58.57W	9	w10-1	553
139	479	284	06/28/2014 12:24:40	39 25'18.58N	75 12'24.01W	15	w10-1	553

iPS Datum

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Msrmt	0.2 Alpha	0.5 Alpha	0.2 Alpha	0.5 Alpha				Position		Standard	User	
Number	Legend	Legend	Bkgrnd	Bkgrnd	Date/Time	Latitude	Longitude	Accuracy (m)	Barcode	Comments	Comment	Route
1			53.6	26.9	06/27/2014 17:24:25	39 26'28.58N	75 19' 9.04W	12	S3-1			626
2	11	3.6	50.4	20.5	06/27/2014 17:25:32	39 26'30.64N	75 19'10.81W	7	W3-1			626
3	23.9	15.8	407	200	06/27/2014 17:26:18	39 26'30.73N	75 19'10.88W	8	W3-1			626
4			25.5	10.9	06/27/2014 17:27:23	39 26'33.94N	75 19'14.18W	12	R2-1			626
5			60.5	26.9	06/27/2014 17:28:14	39 26'35.00N	75 19'15.98W	9	R2-1			626
6			38.1	20	06/27/2014 17:28:58	39 26'37.87N	75 19'18.88W	10	W2-1			626
7	534	223	501	227	06/27/2014 17:29:50	39 26'37.83N	75 19'19.40W	9	W3-5			626
8	515	285	99.1	56.9	06/27/2014 17:31:21	39 26'43.61N	75 19'25.24W	9	R1-1			626
9	578	266	107	54.2	06/27/2014 17:32:15	39 26'42.24N	75 19'24.82W	7	R1-1			626
10			37.8	17.2	06/27/2014 17:35:01	39 26'41.11N	75 19'23.20W	3	R2-1			626
11			50.9	25.7	06/27/2014 17:40:51	39 26'50.08N	75 19'32.60W	6	W2-1			626
12	515	217	480	223	06/27/2014 17:42:28	39 27' 4.14N	75 19'48.88W	12	W3-5			626
13			0.8	0.5	06/27/2014 17:42:50	39 27' 8.59N	75 19'53.92W	10	W2-1			626
14	71.6	26.2	0.1	0.1	06/27/2014 17:44:20	39 27'13.63N	75 19'59.69W	6	R1-1			626
15	430	199	106	52.1	06/27/2014 17:47:28	39 27'12.98N	75 20' 0.32W	3	R1-1			626
16			63.2	29.7	06/27/2014 17:49:04	39 27'18.10N	75 20' 4.96W	6	W2-1			626
17			363	184	06/27/2014 17:50:37	39 27'50.72N	75 20'41.98W	7	W2-1			626
18			77.6	33.9	06/27/2014 17:52:21	39 27'54.26N	75 20'46.13W	7	R2-1			626
19	165	144	30.3	20.9	06/27/2014 17:54:07	39 27'55.83N	75 20'48.35W	6	R1-1			626
20	260	114	101	54.4	06/27/2014 17:54:46	39 27'56.16N	75 20'48.19W	6	R1-1			626
21			169	113	06/27/2014 17:55:46	39 28' 0.25N	75 20'52.33W	8	S1-1			626
22			321	205	06/27/2014 17:55:55	39 28' 0.26N	75 20'52.34W	7	W16-9P			626
23			363	183	06/27/2014 17:56:47	39 28' 0.62N	75 20'53.53W	6	w2-1			626
24	520	220	542	309	06/27/2014 18:07:18	39 28' 1.27N	75 20'53.46W	7	W3-5			626
25	535	219	496	296	06/27/2014 18:17:44	39 28'11.32N	75 21' 4.91W	11	W3-5			626
26			345	230	06/27/2014 18:18:03	39 28'11.29N	75 21' 5.37W	8	S1-1			626
27			385	249	06/27/2014 18:18:12	39 28'11.33N	75 21' 5.37W	8	W16-9P			626
28			341	160	06/27/2014 18:19:02	39 28'12.46N	75 21' 6.37W	9	w1-7			626
29	322	170	102	53.2	06/27/2014 18:19:35	39 28'12.96N	75 21' 6.14W	6	R1-1			626
30	364	193	18.5	14.6	06/27/2014 18:30:11	39 27'14.06N	75 23'43.35W	5	R1-1			623
31			494	231	06/27/2014 18:31:15	39 27'13.57N	75 23'43.78W	6	w1-7			623
32			45.2	25.1	06/27/2014 18:31:58	39 27'11.37N	75 23'42.52W	7	W11-22			623

33			37	20	06/27/2014 18:33:29	39 27' 0.46N 75 23'34.96W	9	W11-22	623
34			71.6	31.2	06/27/2014 18:34:16	39 26'47.96N 75 23'27.91W	15	W2-1	623
35	93	73.1	37.7	29.3	06/27/2014 18:36:06	39 26'44.71N 75 23'25.40W	5	R1-1	623
36			376	168	06/27/2014 18:36:58	39 26'44.71N 75 23'25.54W	5	W14-1	623
37	548	252	105	57	06/27/2014 18:37:33	39 26'45.02N 75 23'24.80W	5	R1-1	623
38			44.2	20.5	06/27/2014 18:40:30	39 26'19.29N 75 23' 9.47W	11	W2-1	623
39			56.1	24	06/27/2014 18:40:44	39 26'19.38N 75 23' 9.17W	11	W1-2 L	623
40			21.6	9.3	06/27/2014 18:40:52	39 26'19.39N 75 23' 9.14W	10	W13-1P	623
41			6.9	4.6	06/27/2014 18:41:54	39 26'16.75N 75 23' 7.15W	14	W1-8 L	623
42			0.8	0.5	06/27/2014 18:42:01	39 26'16.94N 75 23' 6.93W	14	W1-8 R	623
43			4.9	3.1	06/27/2014 18:42:14	39 26'16.82N 75 23' 6.90W	14	W1-8 L	623
44			4.3	2.6	06/27/2014 18:42:23	39 26'16.89N 75 23' 6.83W	12	W1-8 R	623
45	569	232	125	58.1	06/27/2014 18:43:34	39 26'16.47N 75 23' 6.19W	7	r1-1	623
46			16	9.1	06/27/2014 18:43:46	39 26'16.03N 75 23' 6.00W	8	W1-8 L	623
47			22.5	12.1	06/27/2014 18:44:01	39 26'15.86N 75 23' 6.18W	8	W1-8 L	623
48	141	122	21.4	13.1	06/27/2014 18:46:59	39 26'15.55N 75 23' 6.08W	8	R1-1	623
49	369	173	109	60.1	06/27/2014 18:49:41	39 26' 6.16N 75 22'32.72W	8	R1-1	623
50	342	205	46.4	28.5	06/27/2014 18:51:50	39 25'57.61N 75 22' 4.87W	7	R1-1	623
51	213	72.5	7.4	3.5	06/27/2014 18:52:36	39 25'56.29N 75 22' 4.44W	6	R1-1	623
52			55.8	24.9	06/27/2014 18:54:05	39 25'52.31N 75 21'55.86W	11	W1-2 L	623
53			53.3	24.6	06/27/2014 18:55:00	39 25'50.12N 75 21'53.53W	25	w5-2a	623
54			5	2.6	06/27/2014 18:56:04	39 25'41.80N 75 21'38.12W	9	w5-2a	623
55			56.9	26.3	06/27/2014 18:57:41	39 25'31.03N 75 21'29.11W	12	W1-2 L	623
56			50.3	22.3	06/27/2014 18:58:09	39 25'31.00N 75 21'29.22W	12	W1-3 L	623
57			4.8	2.2	06/27/2014 18:58:27	39 25'30.98N 75 21'29.49W	12	W13-1P	623
58			302	206	06/27/2014 18:59:15	39 25'26.87N 75 21'28.34W	10	W1-8 L	623
59			42.6	20.2	06/27/2014 19:00:38	39 25'21.05N 75 21'17.36W	11	W1-3 L	623
60			6.8	2.9	06/27/2014 19:01:10	39 25'20.93N 75 21'17.36W	10	W13-1P	623
61			53.2	25.9	06/27/2014 19:01:54	39 25'15.94N 75 21'13.52W	16	W2-1	623
62	709	211	84	31.5	06/27/2014 19:03:40	39 25'12.41N 75 21'10.47W	8	R1-1	623
63	456	232	119	63	06/27/2014 19:05:47	39 25'12.62N 75 21' 9.37W	4	R1-1	623
64			143	71.6	06/27/2014 19:08:29	39 24'53.56N 75 20'55.54W	9	W1-4 L	623
65			43.9	23.6	06/27/2014 19:08:38	39 24'53.58N 75 20'55.57W	8	W13-1P	623
66	404	199	21.6	13.6	06/27/2014 19:09:20	39 24'53.96N 75 20'54.82W	6	r1-1	623

67			386	183	06/27/2014 19:09:56	39 24'52.79N 75 20'55.10W	7	w1-7	623
68			386	178	06/27/2014 19:10:58	39 24'49.88N 75 20'53.04W	11	W1-7	623
69	499	217	102	49.4	06/27/2014 19:11:28	39 24'49.59N 75 20'53.76W	6	R1-1	623
70	550	265	104	55.5	06/27/2014 19:12:10	39 24'49.51N 75 20'52.99W	7	R1-1	623
71			464	231	06/27/2014 19:13:02	39 24'46.82N 75 20'50.32W	14	W1-7	623
72	134	47.9	10.6	4.2	06/27/2014 19:13:40	39 24'46.69N 75 20'49.37W	7	R1-1	623
73			305	204	06/27/2014 19:15:05	39 24'38.04N 75 20'47.96W	5	W1-4 L	623
74			10.5	5.8	06/27/2014 19:15:14	39 24'38.00N 75 20'47.99W	5	W13-1P	623
75			60.1	30.5	06/27/2014 19:15:51	39 24'36.94N 75 20'48.36W	5	W1-2 L	623
76			9.6	5.2	06/27/2014 19:16:00	39 24'36.94N 75 20'48.33W	5	W13-1P	623
77			55.9	25.1	06/27/2014 19:17:03	39 24'26.29N 75 20'44.68W	7	W1-2 R	623
78			64.3	27.3	06/27/2014 19:17:27	39 24'26.12N 75 20'44.67W	6	W13-1P	623
79			51.4	28.2	06/27/2014 19:18:02	39 24'25.29N 75 20'44.32W	6	R2-1	623
80			20.7	12.7	06/27/2014 19:19:14	39 24'19.35N 75 20'39.64W	6	R2-1	623
81	35.5	18.7	9.1	4.9	06/27/2014 19:20:40	39 24'15.56N 75 20'36.50W	5	R1-1	623
82	329	212	87.6	59.4	06/27/2014 19:21:51	39 24'15.70N 75 20'35.53W	6	r1-1	623
83			81.5	50.6	06/27/2014 19:23:24	39 24'11.82N 75 20'34.30W	5	R2-1	623
84					06/27/2014 19:23:24	39 24'11.82N 75 20'34.30W	5		623
85			291	196	06/27/2014 19:23:38	39 24'11.48N 75 20'34.30W	5	W1-1 R	623
86			511	206	06/27/2014 19:23:50	39 24'11.45N 75 20'34.32W	5	W13-1P	623
87			365	238	06/27/2014 19:33:37	39 24' 5.18N 75 20'33.12W	3	S1-1	623
88			326	170	06/27/2014 19:34:40	39 24' 3.02N 75 20'35.42W	4	W1-1 L	623
89			495	210	06/27/2014 19:34:54	39 24' 3.00N 75 20'35.42W	4	W13-1P	623
90			453	211	06/27/2014 19:35:44	39 24' 2.71N 75 20'36.28W	5	S4-3	623
91			595	263	06/27/2014 19:35:51	39 24' 2.73N 75 20'36.31W	4	R2-1	623
92			557	248	06/27/2014 19:40:23	39 24' 5.18N 75 20'33.17W	5	S4-2	623
93			328	166	06/27/2014 19:41:01	39 24' 1.74N 75 20'37.47W	6	W1-1 L	623
94			376	179	06/27/2014 19:41:10	39 24' 1.73N 75 20'37.49W	5	W13-1P	623
95			170	115	06/27/2014 19:42:38	39 23'56.64N 75 20'43.42W	6	W1-6 L	623
96			58.7	30	06/27/2014 19:43:21	39 23'53.84N 75 20'42.58W	5	R2-1	623
97			596	265	06/27/2014 19:43:47	39 23'54.44N 75 20'42.36W	5	S4-3	623
98			615	270	06/27/2014 19:43:54	39 23'54.43N 75 20'42.38W	5	R2-1	623
99			589	266	06/27/2014 19:44:10	39 23'54.36N 75 20'42.68W	4	S4-2	623
100			263	173	06/27/2014 19:45:21	39 23'51.74N 75 20'40.42W	5	W1-1 R	623

101			391	190	06/27/2014 19:45:33	39 23'51.75N 75 20'40.40W	5	W13-1P	623
102			523	295	06/27/2014 19:45:45	39 23'51.76N 75 20'40.39W	5	S1-1	623
103			422	219	06/27/2014 19:46:23	39 23'51.48N 75 20'40.57W	3	W16-9P	623
104			69.6	32.4	06/27/2014 19:49:43	39 23'40.56N 75 20'32.97W	5	W2-2	623
105	319	190	76.7	41.2	06/27/2014 19:51:29	39 23'37.71N 75 20'31.50W	7	R1-1	623

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