IMPACT ENVIRONMENTAL
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DAILY STATUS REPORT

Prepared By:

Luis Maldonado

WEATHER	Snow		Rain		Overcast		Partly Cloudy	X	Bright Sun	X	Wind
TEMP.	< 32		32-50		50-70	X	70-85		>85		S-3 MPH

IEC Project No:	13928	**NYSDEC BCP Site No**:	C224367	**Date**: 11/3/23	
Project:	251 Douglass Street, Brooklyn, NY				

Consultant:	**Personnel On Site:**
Impact Environmental Engineering and Geology, PLLC (IEEG) Time On: 06:40 Time Out: 15:50	IEEG (Environmental) – Luis Maldonado Cascade Remediation Services – Jon Simpson Broadway Construction Group - Tom Caporale **Equipment On Site:** Minirae 3000 PID, DustTrak II

Scope of Work: Cascade completed two ISS Pilot Test treatment columns on the Site. Refer to Figures for ISS Pilot Test column locations.

Site Activities:

- Deploy CAMP at the start of the workday;
- Atmos foam was sprayed throughout the day to limit nuisance odors from the ISS pilot test;
- Two (2) ISS treatment columns were completed at the Site;
- ISS pilot test column 23 was drilled to 55'using mixture C (7% slag, 3% Portland cement, and 10% water). Column 23 QA/QC sample collected at 25';
- ISS treatment column locations had to be reassigned due to ramp location. ISS pilot test Column 304 was drilled to 40' using mixture B (6.5% slag, 2.5% Portland cement with 10% water). Column 304 QA/QC sample collected at 18';

Cell #	Grid Northing	Grid Easting	Longitude	Latitude
23	187335.5799	988284.556	-73.59076	40.40511
304	187404.3856	988268.6807	-73.59078	40.40518

- Sampler was decontaminated in between collection of QA/QC samples; and
- The pocket penetrometer data is being collected by Cascade and their summary table is attached.

Community Air Monitoring Program (CAMP) - _CAMP action level for dust (0.1 mg/m3) and VOCs (5 ppm)

- PID remained at nominal levels throughout the day;
- No sustained dust exceedances were observed over a 1-min period during monitoring;
- Prestart Upwind Conditions – PID = _0.5_ ppm, Dust = _0.068_ mg/m^3 @ 07:38.
- High Conditions (Upwind) – PID = _1.7_ ppm @ 11:36, Dust = _0.068_mg/m^3 @ 7:38.
- High Conditions (Downwind 1) – PID = _4.1_ ppm @11:060, Dust = _0.298_ mg/m^3 @ 13:26.

- High Conditions (Downwind 2) – PID = _0.0 ppm, Dust = _0.297_ mg/m^3 @ 8:21

*PINE Environmental to troubleshoot issues with Telemetry 11/6 or 11/7 on-Site

Notable Site Conditions:

- Proposed 241, 242 and 271 Mix B locations were located and situated on a ramp that slopes down approximately 4 feet to the former building foundation slab on the west portion of the Site. The ramp is also needed to move the rig to the concrete slab to store once pilot test work is complete. Therefore, the ISS contractor relocated on the flat adjacent area at columns 303, 304 and 337. See attached site plan with locations.
- Shallow concrete slab/blocks obstructions at 2 – 4 feet below grade were located at columns 303 and 337. The ISS contractor will remove obstructions using an excavator.

Planned for the Next Day/Week:

- On Monday 11/6 the ISS contractor will remove the shallow obstruction encountered at ISS treatment columns 303 and 337. QA/QC samples will be collected from columns 303 and 337 at 35 and 27 feet, respectively.
- Once the ISS pilot test is complete, BCG will begin the excavation of the site

PHOTO LOG

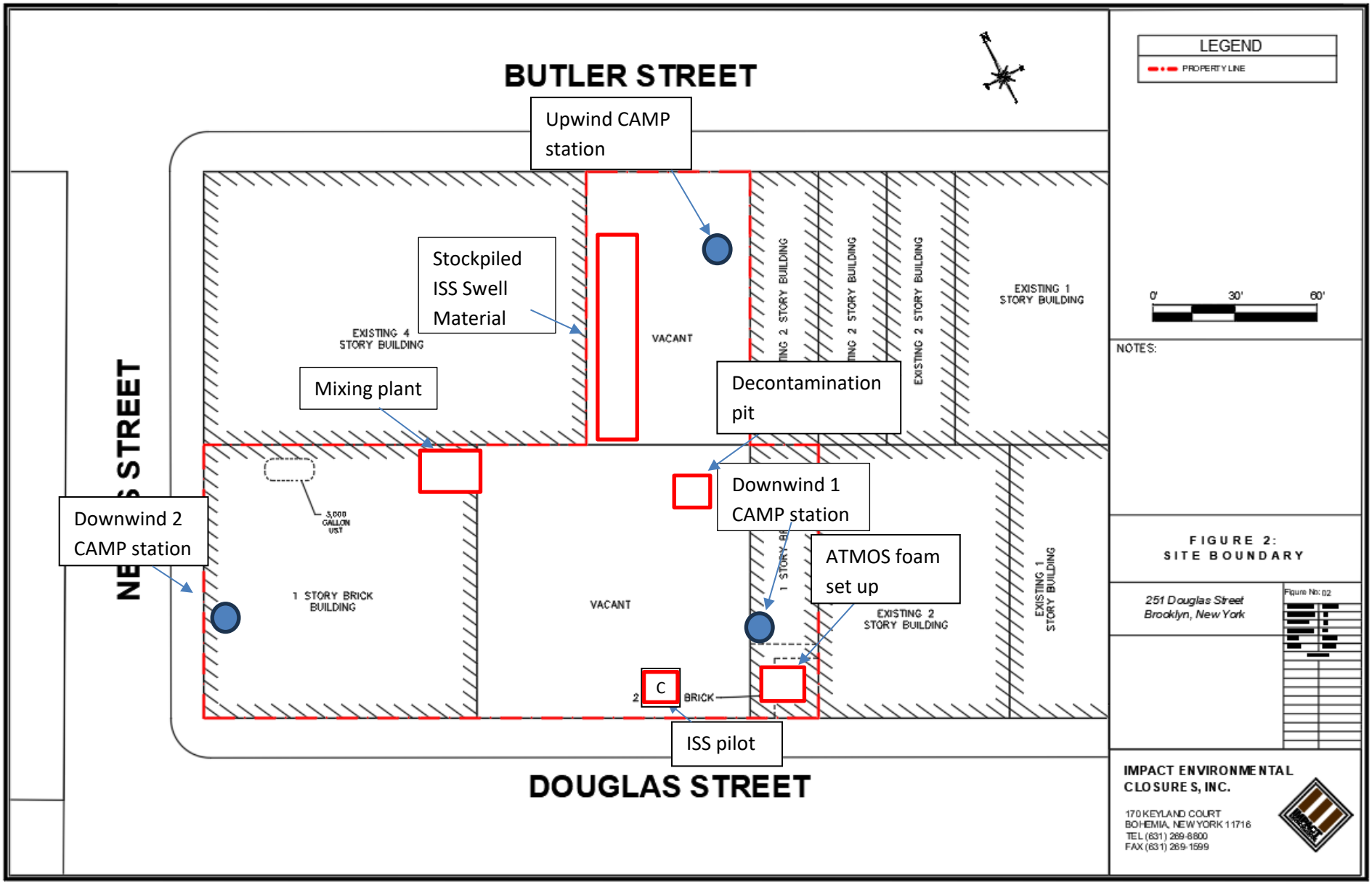
251 DOUGLASS STREET, BROOKLYN, NY

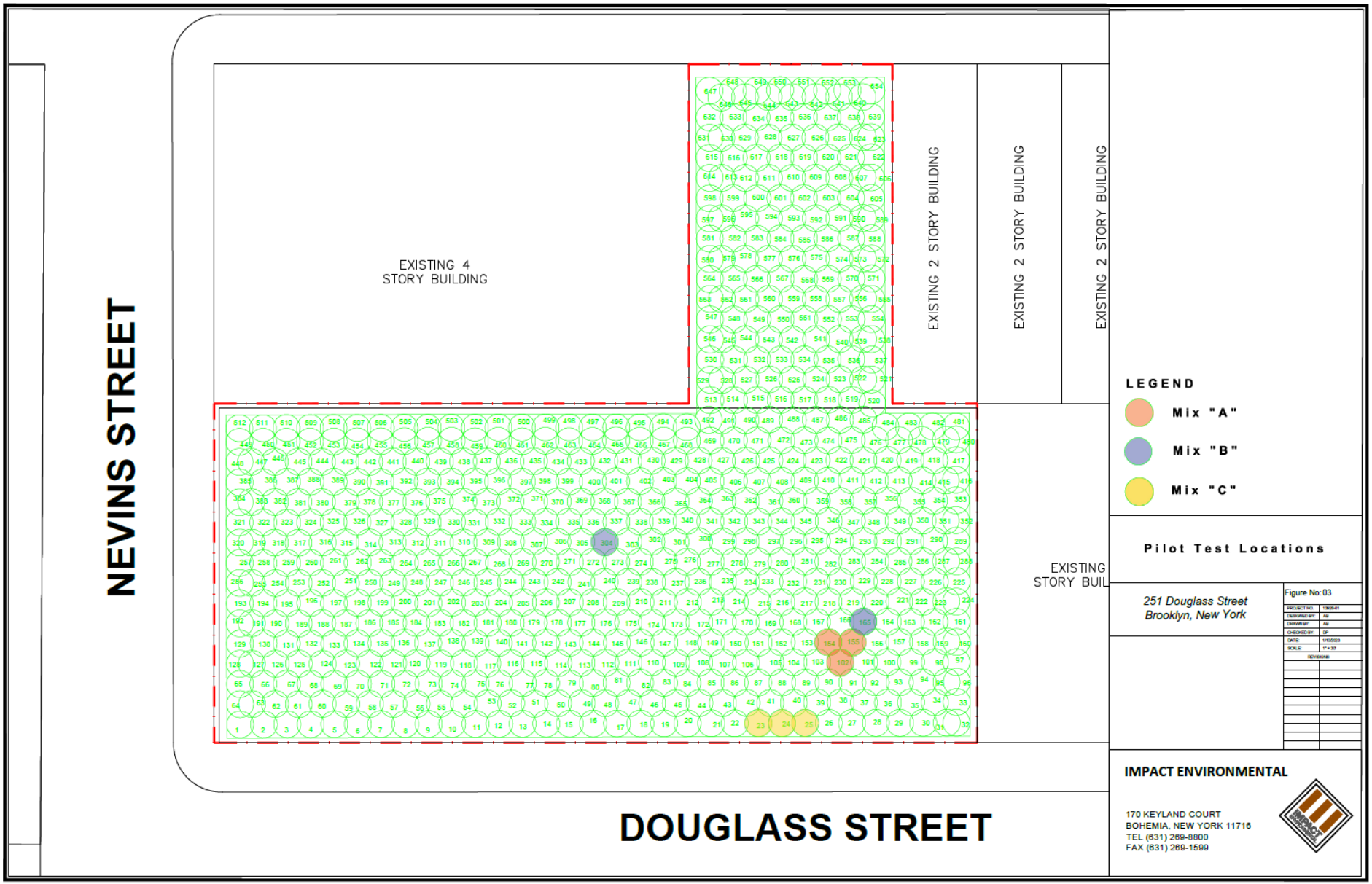
Photo 1- Photo of ramp sideview where treatment columns were proposed.	
Photo 2 – Cascade rig at top of ramp where treatment columns were relocated to column 304.	

Photo 3- Photo of auger treatment column 304.	
Photo 4- Photo of the stockpiled slurry swell covered securely with poly.	

SITE PLANS

251 DOUGLASS STREET, BROOKLYN, NY


BUTLER STREET
Upwind CAMP station
Stockpiled ISS Swell Material
Mixing plant
Decontamination pit
Downwind 1 CAMP station
Downwind 2 CAMP station
ATMOS foam set up
ISS pilot
DOUGLAS STREET
EXISTING 4 STORY BUILDING
VACANT
EXISTING 2 STORY BUILDING
EXISTING 1 STORY BUILDING
1 STORY BRICK BUILDING
3,000 GALLON UST
EXISTING 2 STORY BUILDING
EXISTING 1 STORY BUILDING
BRICK
LEGEND
PROPERTY LINE
0'
30'
60'
NOTES:
FIGURE 2:
SITE BOUNDARY
251 Douglas Street
Brooklyn, New York
Figure No: 02
IMPACT ENVIRONMENTAL CLOSURES, INC.
170 KEYLAND COURT
BOHEMIA, NEW YORK 11716
TEL (631) 269-8800
FAX (631) 269-1599


NEVINS STREET
EXISTING 4
STORY BUILDING
EXISTING 2 STORY BUILDING
EXISTING 2 STORY BUILDING
EXISTING 2 STORY BUILDING
EXISTING
STORY BUIL
DOUGLASS STREET
LEGEND
Mix "A"
Mix "B"
Mix "C"
Pilot Test Locations
251 Douglass Street
Brooklyn, New York
Figure No: 03
IMPACT ENVIRONMENTAL
170 KEYLAND COURT
BOHEMIA, NEW YORK 11716
TEL (631) 269-8800
FAX (631) 269-1599

QA/QC SAMPLE POCKET PENETROMETER MEASUREMENT SUMMARY TABLE

251 DOUGLASS STREET, BROOKLYN, NY

TABLE 1
IN-SITU STABILIZATION TREATABILITY STUDY MATRIX

Mix ID		Total Reagent Addition (%)	Water to Reagent Ratio (by Wt)	Penetrometer (TSF)						Sample Log				
				1-Day	2-Day	3-Day	5-Day	7-Day						
Cascade Evaluations														
Col ID	Date Install													
P1A-155	10/30/2023	8.0	1.25:1	<1.0	<1.0	2.25	2.5	2.75						
P1B-166	10/30/2023	9.0	1.25:1	<1.0	<1.0	2.5	3.25	4.5						
P1A-154	10/30/2023	8.0	1.25:1	<1.0	<1.0	3.5	4.0	>4.5						
P1A-102	11/1/2023	8.0	1.25:1	0.5	1.25	1.5	3.5	4.25						
P2C-25	11/3/2023	10.0	1:1	0.5	1.75	3.0	3.0	4.0						
P2C-24	11/2/2023	10.0	1:1	1.0	1.75	3.25								
P2C-23	11/3/2023	10.0	1:1	1.0	1.5									
P3C-304	11/3/2023	9.0	1:1	1.25	1.5									

UPWIND CAMP READINGS

251 DOUGLASS STREET, BROOKLYN, NY

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530113005
Firmware Version	3.1
Calibration Date	2/11/2023
Test Name	MANUAL_007
Test Start Time	7:38:14 AM
Test Start Date	11/3/2023
Test Length [D:H:M]	0:07:57
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.021
Mass Minimum [mg/m3]	0.012
Mass Maximum [mg/m3]	0.068
Mass TWA [mg/m3]	0.021
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	477

Elapsed Time [s]	Mass [mg/m3]	PID (ppmv)	Alarms	Errors
7:38	0.068	0.5		
7:39	0.037	0.5		
7:40	0.034	0.6		
7:41	0.032	0.6		
7:42	0.031	0.5		
7:43	0.03	0.5		
7:44	0.031	0.5		
7:45	0.027	0.5		
7:46	0.027	0.4		
7:47	0.032	0.4		
7:48	0.032	0.4		
7:49	0.032	0.4		
7:50	0.035	0.4		
7:51	0.035	0.5		
7:52	0.035	0.5		
7:53	0.033	0.5		
7:54	0.034	0.5		
7:55	0.036	0.5		
7:56	0.034	0.5		
7:57	0.035	0.6		
7:58	0.032	0.4		
7:59	0.034	0.5		
8:00	0.033	0.5		
8:01	0.035	0.4		
8:02	0.036	0.5		
8:03	0.033	0.5		
8:04	0.032	0.5		

8:05	0.032	0.5
8:06	0.033	0.4
8:07	0.035	0.5
8:08	0.035	0.5
8:09	0.034	0.6
8:10	0.036	0.5
8:11	0.037	0.5
8:12	0.032	0.4
8:13	0.03	0.5
8:14	0.03	0.5
8:15	0.031	0.5
8:16	0.032	0.5
8:17	0.038	0.5
8:18	0.038	0.5
8:19	0.041	0.5
8:20	0.043	0.4
8:21	0.042	0.5
8:22	0.037	0.5
8:23	0.041	0.4
8:24	0.044	0.4
8:25	0.041	0.4
8:26	0.035	0.5
8:27	0.034	0.4
8:28	0.033	0.4
8:29	0.036	0.4
8:30	0.035	0.5
8:31	0.029	0.5
8:32	0.03	0.5
8:33	0.027	0.4
8:34	0.031	0.4
8:35	0.028	0.5
8:36	0.026	0.5
8:37	0.022	0.5
8:38	0.025	0.5
8:39	0.026	0.5
8:40	0.025	0.6
8:41	0.018	0.5
8:42	0.018	0.5
8:43	0.023	0.5
8:44	0.03	0.5
8:45	0.031	0.4
8:46	0.029	0.5
8:47	0.027	0.5
8:48	0.025	0.5
8:49	0.025	0.5
8:50	0.029	0.5
8:51	0.026	0.5

8:52	0.025	0.6
8:53	0.025	0.5
8:54	0.024	0.5
8:55	0.024	0.5
8:56	0.024	0.5
8:57	0.025	0.5
8:58	0.021	0.5
8:59	0.019	0.5
9:00	0.02	0.5
9:01	0.022	0.5
9:02	0.02	0.5
9:03	0.023	0.5
9:04	0.023	0.5
9:05	0.033	0.5
9:06	0.027	0.6
9:07	0.028	0.5
9:08	0.028	0.5
9:09	0.023	0.5
9:10	0.026	0.5
9:11	0.023	0.5
9:12	0.023	0.5
9:13	0.026	0.5
9:14	0.029	0.5
9:15	0.026	0.5
9:16	0.025	0.5
9:17	0.026	0.5
9:18	0.026	0.5
9:19	0.022	0.5
9:20	0.024	0.5
9:21	0.027	0.5
9:22	0.023	0.5
9:23	0.024	0.6
9:24	0.026	0.5
9:25	0.031	0.5
9:26	0.026	0.5
9:27	0.026	0.6
9:28	0.027	0.6
9:29	0.022	0.6
9:30	0.018	0.6
9:31	0.019	0.5
9:32	0.02	0.5
9:33	0.02	0.6
9:34	0.02	0.5
9:35	0.019	0.6
9:36	0.019	0.6
9:37	0.021	0.6
9:38	0.018	0.5

9:39	0.021	0.5
9:40	0.025	0.5
9:41	0.016	0.5
9:42	0.016	0.6
9:43	0.029	0.5
9:44	0.019	0.6
9:45	0.02	0.5
9:46	0.026	0.5
9:47	0.024	0.6
9:48	0.018	0.5
9:49	0.019	0.5
9:50	0.021	0.7
9:51	0.021	0.5
9:52	0.02	0.5
9:53	0.021	0.5
9:54	0.019	0.6
9:55	0.018	0.5
9:56	0.021	0.5
9:57	0.02	0.5
9:58	0.023	0.5
9:59	0.02	0.5
10:00	0.017	0.6
10:01	0.02	0.6
10:02	0.023	0.6
10:03	0.021	0.5
10:04	0.021	0.5
10:05	0.016	0.5
10:06	0.019	0.5
10:07	0.018	0.6
10:08	0.021	0.5
10:09	0.031	0.5
10:10	0.019	0.6
10:11	0.021	0.7
10:12	0.017	0.5
10:13	0.017	0.6
10:14	0.018	0.5
10:15	0.019	0.6
10:16	0.021	0.6
10:17	0.018	0.5
10:18	0.015	0.5
10:19	0.015	0.6
10:20	0.013	0.6
10:21	0.018	0.5
10:22	0.016	0.6
10:23	0.027	0.6
10:24	0.018	0.6
10:25	0.015	0.7

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10:37	0.015	0.7
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10:39	0.014	0.7
10:40	0.016	0.6
10:41	0.013	0.6
10:42	0.015	0.6
10:43	0.019	0.7
10:44	0.014	0.6
10:45	0.016	0.7
10:46	0.015	0.7
10:47	0.013	0.8
10:48	0.013	0.7
10:49	0.013	0.6
10:50	0.015	0.7
10:51	0.014	0.6
10:52	0.015	0.6
10:53	0.02	0.6
10:54	0.013	0.6
10:55	0.015	0.6
10:56	0.016	0.7
10:57	0.018	0.6
10:58	0.013	0.6
10:59	0.013	0.6
11:00	0.016	0.6
11:01	0.013	0.8
11:02	0.013	0.7
11:03	0.022	0.7
11:04	0.024	0.7
11:05	0.021	0.7
11:06	0.02	0.6
11:07	0.012	0.6
11:08	0.014	0.6
11:09	0.019	0.6
11:10	0.019	0.7
11:11	0.018	0.7
11:12	0.016	0.6

11:13	0.013	0.6
11:14	0.014	0.7
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11:16	0.014	0.7
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11:18	0.021	0.7
11:19	0.021	0.6
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11:25	0.019	0.6
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11:42	0.017	0.7
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11:44	0.019	0.6
11:45	0.021	0.6
11:46	0.018	0.6
11:47	0.018	0.6
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11:55	0.016	0.6
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11:58	0.014	0.6
11:59	0.014	0.6

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12:03	0.015	0.6
12:04	0.015	0.6
12:05	0.015	0.6
12:06	0.013	0.6
12:07	0.016	0.7
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12:10	0.015	0.6
12:11	0.013	0.6
12:12	0.013	0.6
12:13	0.015	0.6
12:14	0.013	0.6
12:15	0.016	0.6
12:16	0.016	0.6
12:17	0.013	0.6
12:18	0.013	0.6
12:19	0.012	0.6
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12:26	0.018	0.6
12:27	0.015	0.6
12:28	0.019	0.6
12:29	0.018	0.7
12:30	0.017	0.6
12:31	0.017	0.6
12:32	0.024	0.6
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12:34	0.013	0.6
12:35	0.015	0.6
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12:38	0.013	0.6
12:39	0.015	0.6
12:40	0.016	0.6
12:41	0.017	0.6
12:42	0.015	0.6
12:43	0.02	0.6
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12:45	0.013	0.6
12:46	0.012	0.7

12:47	0.013	0.7
12:48	0.013	0.6
12:49	0.012	0.8
12:50	0.015	0.6
12:51	0.012	0.6
12:52	0.017	0.6
12:53	0.012	0.6
12:54	0.012	0.7
12:55	0.015	0.6
12:56	0.016	0.6
12:57	0.016	0.6
12:58	0.014	0.6
12:59	0.016	0.6
13:00	0.018	0.7
13:01	0.026	0.6
13:02	0.013	0.6
13:03	0.019	0.6
13:04	0.017	0.5
13:05	0.015	0.5
13:06	0.014	0.7
13:07	0.019	0.6
13:08	0.025	0.6
13:09	0.014	0.6
13:10	0.013	0.6
13:11	0.013	0.5
13:12	0.02	0.5
13:13	0.014	0.6
13:14	0.013	0.7
13:15	0.015	0.6
13:16	0.015	0.6
13:17	0.013	0.6
13:18	0.014	0.5
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13:48	0.018	0.7
13:49	0.018	0.5
13:50	0.016	0.9
13:51	0.02	0.6
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13:53	0.019	0.8
13:54	0.017	0.8
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13:56	0.017	0.7
13:57	0.017	1
13:58	0.018	0.5
13:59	0.017	0.5
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14:01	0.02	0.6
14:02	0.017	0.5
14:03	0.017	0.5
14:04	0.017	0.6
14:05	0.018	0.6
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14:07	0.021	0.6
14:08	0.021	0.5
14:09	0.019	0.5
14:10	0.018	0.5
14:11	0.018	0.5
14:12	0.019	0.5
14:13	0.019	0.5
14:14	0.02	0.5
14:15	0.019	0.5
14:16	0.018	0.5
14:17	0.019	0.5
14:18	0.022	0.5
14:19	0.025	0.5
14:20	0.022	0.5

14:21	0.022	0.5
14:22	0.022	0.5
14:23	0.02	0.5
14:24	0.02	0.5
14:25	0.021	0.5
14:26	0.021	0.5
14:27	0.018	0.5
14:28	0.019	0.5
14:29	0.02	0.5
14:30	0.018	0.4
14:31	0.022	0.4
14:32	0.023	0.4
14:33	0.021	0.4
14:34	0.02	0.4
14:35	0.019	0.4
14:36	0.021	0.5
14:37	0.021	0.6
14:38	0.019	0.6
14:39	0.019	0.4
14:40	0.02	0.4
14:41	0.022	0.4
14:42	0.022	0.5
14:43	0.023	0.4
14:44	0.018	0.4
14:45	0.025	0.4
14:46	0.024	0.4
14:47	0.018	0.4
14:48	0.018	0.4
14:49	0.02	0.4
14:50	0.019	0.4
14:51	0.023	0.5
14:52	0.021	0.4
14:53	0.02	0.4
14:54	0.02	0.4
14:55	0.022	0.4
14:56	0.021	0.4
14:57	0.024	0.3
14:58	0.023	0.3
14:59	0.023	0.3
15:00	0.027	0.3
15:01	0.026	0.3
15:02	0.024	0.3
15:03	0.022	0.3
15:04	0.023	0.3
15:05	0.021	0.3
15:06	0.019	0.3
15:07	0.021	0.3

15:08	0.02	0.3
15:09	0.019	0.3
15:10	0.02	0.2
15:11	0.021	0.4
15:12	0.021	0.4
15:13	0.021	0.3
15:14	0.021	0.3
15:15	0.02	0.3
15:16	0.023	0.2
15:17	0.022	0.2
15:18	0.024	0.2
15:19	0.028	0.3
15:20	0.025	0.2
15:21	0.02	0.4
15:22	0.021	0.2
15:23	0.02	0.1
15:24	0.019	0.1
15:25	0.021	0.1
15:26	0.022	0.2
15:27	0.02	0.1
15:28	0.019	0.2
15:29	0.021	0.1
15:30	0.019	0.1
15:31	0.018	0
15:32	0.017	0
15:33	0.018	0
15:34	0.019	0.1

DOWNWIND CAMP READINGS

251 DOUGLASS STREET, BROOKLYN, NY

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530100909
Firmware Version	3.1
Calibration Date	7/24/2023
Test Name	MANUAL_016
Test Start Time	7:35:24 AM
Test Start Date	11/3/2023
Test Length [D:H:M]	0:08:00
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.011
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.298
Mass TWA [mg/m3]	0.011
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	480

Elapsed Time [s]	Mass [mg/m3]	PID (ppmv)	Alarms	Errors
60	0.018	0.0		
120	0.013	0.0		
180	0.012	0.0		
240	0.012	0.0		
300	0.013	0.0		
360	0.015	0.0		
420	0.016	0.0		
480	0.016	0.0		
540	0.015	0.0		
600	0.013	0.0		
660	0.011	0.0		
720	0.01	0.0		
780	0.008	0.0		
840	0.007	0.0		
900	0.009	0.0		
960	0.012	0.0		
1020	0.013	0.0		
1080	0.012	0.0		
1140	0.012	0.0		
1200	0.012	0.0		
1260	0.013	0.0		
1320	0.012	0.0		
1380	0.011	0.0		
1440	0.012	0.0		
1500	0.012	0.0		
1560	0.012	0.0		
1620	0.011	0.0		

1680	0.012	0.0
1740	0.012	0.0
1800	0.012	0.0
1860	0.011	0.0
1920	0.011	0.0
1980	0.011	0.0
2040	0.012	0.0
2100	0.012	0.0
2160	0.013	0.0
2220	0.011	0.0
2280	0.013	0.0
2340	0.014	0.0
2400	0.014	0.0
2460	0.012	0.0
2520	0.012	0.0
2580	0.011	0.0
2640	0.013	0.0
2700	0.016	0.0
2760	0.016	0.0
2820	0.018	0.0
2880	0.021	0.0
2940	0.021	0.0
3000	0.019	0.0
3060	0.02	0.0
3120	0.022	0.0
3180	0.022	0.0
3240	0.014	0.0
3300	0.011	0.0
3360	0.012	0.0
3420	0.013	0.0
3480	0.015	0.0
3540	0.012	0.0
3600	0.01	0.0
3660	0.01	0.0
3720	0.008	0.0
3780	0.01	0.0
3840	0.007	0.0
3900	0.006	0.0
3960	0.006	0.0
4020	0.006	0.0
4080	0.007	0.0
4140	0.007	0.0
4200	0.025	0.0
4260	0.005	0.0
4320	0.006	0.0
4380	0.008	0.0
4440	0.006	0.0

4500	0.008	0.0
4560	0.011	0.0
4620	0.01	0.0
4680	0.01	0.0
4740	0.007	0.0
4800	0.007	0.0
4860	0.008	0.0
4920	0.009	0.0
4980	0.006	0.0
5040	0.008	0.0
5100	0.006	0.0
5160	0.005	0.0
5220	0.005	0.0
5280	0.003	0.0
5340	0.007	0.0
5400	0.006	0.0
5460	0.02	0.0
5520	0.008	0.0
5580	0.004	0.0
5640	0.004	0.0
5700	0.005	0.0
5760	0.005	0.0
5820	0.005	0.0
5880	0.004	0.0
5940	0.004	0.0
6000	0.004	0.0
6060	0.006	0.0
6120	0.005	0.0
6180	0.006	0.0
6240	0.009	0.0
6300	0.003	0.0
6360	0.003	0.0
6420	0.004	0.0
6480	0.003	0.0
6540	0.003	0.0
6600	0.002	0.0
6660	0.01	0.0
6720	0.008	0.0
6780	0.004	0.0
6840	0.01	0.0
6900	0.009	0.0
6960	0.004	0.0
7020	0.007	0.0
7080	0.003	0.0
7140	0	0.0
7200	0.002	0.0
7260	0.001	0.0

7320	0	0.0
7380	0.001	0.0
7440	0.004	0.0
7500	0.005	0.0
7560	0.002	0.0
7620	0.002	0.0
7680	0.008	0.0
7740	0.002	0.0
7800	0.002	0.0
7860	0.043	0.0
7920	0.01	0.0
7980	0.003	0.0
8040	0.009	0.0
8100	0.025	0.1
8160	0.004	0.0
8220	0.003	0.0
8280	0.004	0.0
8340	0.004	0.0
8400	0.01	0.0
8460	0.003	0.0
8520	0.006	0.0
8580	0.003	0.0
8640	0.014	0.0
8700	0.014	0.0
8760	0.008	0.0
8820	0.006	0.0
8880	0.005	0.0
8940	0.027	0.0
9000	0.004	0.4
9060	0.006	0.0
9120	0.006	0.0
9180	0.002	0.0
9240	0	0.0
9300	0.001	0.0
9360	0.003	0.0
9420	0.015	0.0
9480	0.008	0.0
9540	0.008	0.0
9600	0.001	0.0
9660	0	0.0
9720	0.006	0.0
9780	0.002	0.0
9840	0.002	0.0
9900	0.001	0.0
9960	0.002	0.0
10020	0	0.0
10080	0	0.0

10140	0.001	0.0
10200	0.001	0.0
10260	0	0.0
10320	0.002	0.0
10380	0.003	0.0
10440	0.002	0.0
10500	0.01	0.0
10560	0.002	0.0
10620	0	0.0
10680	0.001	0.0
10740	0	0.0
10800	0	0.0
10860	0	0.0
10920	0	0.0
10980	0	0.0
11040	0	0.0
11100	0	0.0
11160	0	0.0
11220	0	0.0
11280	0.003	0.0
11340	0	0.0
11400	0	0.0
11460	0	0.0
11520	0	0.0
11580	0	0.0
11640	0	0.0
11700	0	0.0
11760	0.003	0.0
11820	0.001	0.0
11880	0	0.0
11940	0.002	0.0
12000	0.003	0.0
12060	0.006	0.0
12120	0.002	0.0
12180	0	0.0
12240	0.008	0.0
12300	0.001	0.0
12360	0.001	0.0
12420	0	0.0
12480	0.001	0.0
12540	0	0.0
12600	0	0.0
12660	0	0.0
12720	0.009	0.0
12780	0.001	0.0
12840	0.002	0.0
12900	0.001	0.0

12960	0	0.0
13020	0.007	0.0
13080	0.017	0.0
13140	0.01	0.0
13200	0	0.0
13260	0	0.0
13320	0.001	0.0
13380	0.002	0.0
13440	0.015	0.0
13500	0.005	0.1
13560	0.001	0.1
13620	0.001	0.0
13680	0.001	0.0
13740	0	0.1
13800	0	4.1
13860	0.002	0.0
13920	0.001	0.0
13980	0.007	0.0
14040	0.006	0.0
14100	0.009	0.0
14160	0	0.0
14220	0.002	0.0
14280	0.007	0.0
14340	0.004	0.0
14400	0.005	0.0
14460	0.016	0.0
14520	0.001	0.0
14580	0	0.0
14640	0.001	0.0
14700	0.003	0.0
14760	0.003	0.0
14820	0.003	0.0
14880	0.001	0.0
14940	0.003	0.0
15000	0.004	0.0
15060	0.006	0.0
15120	0.011	0.0
15180	0.012	0.0
15240	0.008	0.0
15300	0.005	0.0
15360	0	0.0
15420	0	0.0
15480	0	0.0
15540	0	0.0
15600	0.002	0.0
15660	0	0.0
15720	0	0.0

15780	0.001	0.0
15840	0	0.0
15900	0	0.0
15960	0	0.0
16020	0	0.0
16080	0	0.0
16140	0	0.0
16200	0	0.0
16260	0	0.0
16320	0	0.0
16380	0	0.0
16440	0	0.0
16500	0	0.0
16560	0	0.0
16620	0.003	0.0
16680	0.001	0.0
16740	0	0.0
16800	0	0.0
16860	0	0.0
16920	0.032	0.0
16980	0.055	0.0
17040	0.004	0.0
17100	0	0.0
17160	0	0.0
17220	0	0.0
17280	0.002	0.0
17340	0.003	0.0
17400	0	0.0
17460	0	0.0
17520	0	0.0
17580	0	0.0
17640	0	0.0
17700	0.001	0.0
17760	0.001	0.0
17820	0.005	0.0
17880	0.011	0.0
17940	0.002	0.0
18000	0.003	0.0
18060	0.002	0.0
18120	0.021	0.0
18180	0	0.0
18240	0.002	0.0
18300	0.004	0.0
18360	0	0.0
18420	0	0.0
18480	0.001	0.0
18540	0.01	0.0

18600	0.001	0.0
18660	0	0.0
18720	0.005	0.0
18780	0.001	0.0
18840	0	0.0
18900	0	0.0
18960	0.001	0.0
19020	0.006	0.0
19080	0	0.0
19140	0	0.0
19200	0.001	0.0
19260	0.031	0.0
19320	0.01	0.0
19380	0.001	0.0
19440	0.005	0.0
19500	0.027	0.0
19560	0.019	0.0
19620	0.008	0.0
19680	0.06	0.0
19740	0.006	0.0
19800	0	0.0
19860	0.272	0.0
19920	0.016	0.0
19980	0	0.0
20040	0.001	0.0
20100	0.002	0.0
20160	0.002	0.0
20220	0.001	0.0
20280	0.002	0.0
20340	0	0.0
20400	0.002	0.0
20460	0.042	0.0
20520	0.023	0.0
20580	0	0.0
20640	0.032	0.0
20700	0.002	0.0
20760	0	0.0
20820	0.015	0.0
20880	0	0.0
20940	0	0.0
21000	0	0.0
21060	0.001	0.0
21120	0.005	0.0
21180	0.005	0.0
21240	0	0.0
21300	0.015	0.0
21360	0.001	0.0

21420	0.006	0.0
21480	0	1.1
21540	0.008	0.0
21600	0	0.0
21660	0	0.0
21720	0	0.0
21780	0	0.0
21840	0.001	0.0
21900	0	0.0
21960	0	0.0
22020	0	0.0
22080	0.002	0.0
22140	0.006	0.0
22200	0.003	0.2
22260	0.003	0.0
22320	0.007	0.0
22380	0.001	0.0
22440	0	0.0
22500	0	0.0
22560	0	0.0
22620	0	0.0
22680	0	0.0
22740	0.006	0.0
22800	0.012	0.0
22860	0.009	0.0
22920	0.005	0.0
22980	0.001	0.0
23040	0.001	0.0
23100	0.001	0.0
23160	0.002	0.0
23220	0.045	0.0
23280	0.001	0.0
23340	0	0.0
23400	0.003	0.0
23460	0.009	0.0
23520	0.002	0.0
23580	0.002	0.0
23640	0.003	0.0
23700	0.023	0.0
23760	0.006	0.0
23820	0.013	0.0
23880	0.003	0.0
23940	0.002	0.0
24000	0.003	0.0
24060	0.035	0.0
24120	0.003	0.0
24180	0.005	0.0

24240	0.004	0.0
24300	0.005	0.0
24360	0.007	0.0
24420	0.298	0.0
24480	0.009	0.0
24540	0.064	0.0
24600	0.026	0.0
24660	0.008	0.0
24720	0.003	0.0
24780	0.004	0.0
24840	0.003	0.0
24900	0.005	0.0
24960	0.004	0.0
25020	0.005	0.0
25080	0.004	0.0
25140	0.025	0.0
25200	0.016	0.0
25260	0.008	0.0
25320	0.008	0.0
25380	0.034	0.0
25440	0.006	0.0
25500	0.005	0.0
25560	0.006	0.0
25620	0.005	0.0
25680	0.005	0.0
25740	0.004	0.0
25800	0.14	0.0
25860	0.127	0.0
25920	0.01	0.0
25980	0.12	0.0
26040	0.004	0.0
26100	0.004	0.0
26160	0.01	0.0
26220	0.002	0.0
26280	0.003	0.0
26340	0.005	0.0
26400	0.003	0.0
26460	0.005	0.0
26520	0.006	0.0
26580	0.003	0.0
26640	0.003	0.0
26700	0.003	0.0
26760	0.034	0.0
26820	0.004	0.0
26880	0.005	0.0
26940	0.009	0.0
27000	0.013	0.0

27060	0.008	0.0
27120	0.013	0.0
27180	0.005	0.0
27240	0.004	0.0
27300	0.006	0.0
27360	0.002	0.0
27420	0.003	0.0
27480	0.002	0.0
27540	0.007	0.0
27600	0.009	0.0
27660	0.028	0.0
27720	0.004	0.0
27780	0.005	0.0
27840	0.003	0.0
27900	0.005	0.0
27960	0.007	0.0
28020	0.006	0.0
28080	0.028	0.0
28140	0.008	0.0
28200	0.005	0.0
28260	0.003	0.0
28320	0.004	0.0
28380	0.004	0.0
28440	0.005	0.0
28500	0.005	0.0
28560	0.003	0.0
28620	0.004	0.4
28680	0.006	0.0
28740	0.004	0.0
28800	0.004	0.0

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530173225
Firmware Version	3.1
Calibration Date	11/30/2022
Test Name	MANUAL_018
Test Start Time	7:29:57 AM
Test Start Date	11/3/2023
Test Length [D:H:M]	0:07:44
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.018
Mass Minimum [mg/m3]	0.002
Mass Maximum [mg/m3]	0.297
Mass TWA [mg/m3]	0.009
Photometric User Cal	1
Flow User Cal	0
Errors	Flow Error
Number of Samples	466

Elapsed Time [s]	Mass [mg/m3]	PID (ppmv)	Alarms	Errors
60	0.034	0.0		
120	0.034	0.0		
180	0.037	0.0		
240	0.035	0.0		
300	0.037	0.0		
360	0.036	0.0		
420	0.035	0.0		
480	0.04	0.0		
540	0.034	0.0		
600	0.032	0.0		
660	0.032	0.0		
720	0.034	0.0		
780	0.035	0.0		
840	0.036	0.0		
900	0.034	0.0		
960	0.032	0.0		
1020	0.035	0.0		
1080	0.03	0.0		
1140	0.027	0.0		
1200	0.026	0.0		
1260	0.031	0.0		
1320	0.033	0.0		
1380	0.04	0.0		
1440	0.026	0.0		
1500	0.087	0.0		
1560	0.219	0.0		
1620	0.082	0.0		

1680	0.024	0.0
1740	0.026	0.0
1800	0.025	0.0
1860	0.03	0.0
1920	0.028	0.0
1980	0.016	0.0
2040	0.012	0.0
2100	0.031	0.0
2160	0.006	0.0
2220	0.101	0.0
2280	0.017	0.0
2340	0.004	0.0
2400	0.011	0.0
2460	0.002	0.0
2520	0.002	0.0
2580	0.003	0.0
2640	0.035	0.0
2700	0.035	0.0
2760	0.031	0.0
2820	0.032	0.0
2880	0.033	0.0
2940	0.033	0.0
3000	0.034	0.0
3060	0.037	0.0
3120	0.297	0.0
3180	0.05	0.0
3240	0.021	0.0
3300	0.009	0.0
3360	0.205	0.0
3420	0.042	0.0
3480	0.005	0.0
3540	0.004	0.0
3600	0.002	0.0
3660	0.002	0.0
3720	0.003	0.0
3780	0.003	0.0
3840	0.003	0.0
3900	0.003	0.0
3960	0.059	0.0
4020	0.089	0.0
4080	0.16	0.0
4140	0.063	0.0
4200	0.068	0.0
4260	0.013	0.0
4320	0.008	0.0
4380	0.057	0.0
4440	0.033	0.0

4500	0.008	0.0
4560	0.005	0.0
4620	0.007	0.0
4680	0.004	0.0
4740	0.003	0.0
4800	0.003	0.0
4860	0.004	0.0
4920	0.003	0.0
4980	0.004	0.0
5040	0.045	0.0
5100	0.041	0.0
5160	0.489	0.0
5220	0.016	0.0
5280	0.017	0.0
5340	0.017	0.0
5400	0.017	0.0
5460	0.016	0.0
5520	0.016	0.0
5580	0.008	0.0
5640	0.012	0.0
5700	0.006	0.0
5760	0.006	0.0
5820	0.024	0.0
5880	0.017	0.0
5940	0.012	0.0
6000	0.006	0.0
6060	0.198	0.0
6120	0.004	0.0
6180	0.098	0.0
6240	0.004	0.0
6300	0.007	0.0
6360	0.006	0.0
6420	0.015	0.0
6480	0.004	0.0
6540	0.003	0.0
6600	0.002	0.0
6660	0.003	0.0
6720	0.002	0.0
6780	0.009	0.0
6840	0.004	0.0
6900	0.005	0.0
6960	0.114	0.0
7020	0.019	0.0
7080	0.013	0.0
7140	0.005	0.0
7200	0.004	0.0
7260	0.009	0.0

7320	0.005	0.0
7380	0.003	0.0
7440	0.003	0.0
7500	0.003	0.0
7560	0.002	0.0
7620	0.002	0.0
7680	0.003	0.0
7740	0.002	0.0
7800	0.003	0.0
7860	0.019	0.0
7920	0.016	0.0
7980	0.015	0.0
8040	0.016	0.0
8100	0.021	0.0
8160	0.015	0.0
8220	0.021	0.0
8280	0.016	0.0
8340	0.019	0.0
8400	0.02	0.0
8460	0.017	0.0
8520	0.015	0.0
8580	0.016	0.0
8640	0.014	0.0
8700	0.015	0.0
8760	0.016	0.0
8820	0.023	0.0
8880	0.02	0.0
8940	0.02	0.0
9000	0.018	0.0
9060	0.015	0.0
9120	0.018	0.0
9180	0.021	0.0
9240	0.025	0.0
9300	0.014	0.0
9360	0.012	0.0
9420	0.013	0.0
9480	0.04	0.0
9540	0.011	0.0
9600	0.01	0.0
9660	0.02	0.0
9720	0.009	0.0
9780	0.014	0.0
9840	0.033	0.0
9900	0.013	0.0
9960	0.075	0.0
10020	0.009	0.0
10080	0.124	0.0

10140	0.115	0.0
10200	0.032	0.0
10260	0.05	0.0
10320	0.005	0.0
10380	0.03	0.0
10440	0.026	0.0
10500	0.022	0.0
10560	0.018	0.0
10620	0.024	0.0
10680	0.026	0.0
10740	0.019	0.0
10800	0.02	0.0
10860	0.02	0.0
10920	0.024	0.0
10980	0.03	0.0
11040	0.028	0.0
11100	0.023	0.0
11160	0.022	0.0
11220	0.019	0.0
11280	0.02	0.0
11340	0.019	0.0
11400	0.018	0.0
11460	0.018	0.0
11520	0.021	0.0
11580	0.026	0.0
11640	0.018	0.0
11700	0.019	0.0
11760	0.022	0.0
11820	0.02	0.0
11880	0.021	0.0
11940	0.018	0.0
12000	0.019	0.0
12060	0.019	0.0
12120	0.02	0.0
12180	0.021	0.0
12240	0.021	0.0
12300	0.026	0.0
12360	0.021	0.0
12420	0.019	0.0
12480	0.028	0.0
12540	0.021	0.0
12600	0.039	0.0
12660	0.025	0.0
12720	0.026	0.0
12780	0.024	0.0
12840	0.026	0.0
12900	0.037	0.0

12960	0.039	0.0
13020	0.039	0.0
13080	0.033	0.0
13140	0.019	0.0
13200	0.04	0.0
13260	0.036	0.0
13320	0.037	0.0
13380	0.019	0.0
13440	0.019	0.0
13500	0.042	0.0
13560	0.042	0.0
13620	0.052	0.0
13680	0.02	0.0
13740	0.028	0.0
13800	0.02	0.0
13860	0.025	0.0
13920	0.024	0.0
13980	0.019	0.0
14040	0.02	0.0
14100	0.019	0.0
14160	0.021	0.0
14220	0.023	0.0
14280	0.021	0.0
14340	0.022	0.0
14400	0.022	0.0
14460	0.021	0.0
14520	0.023	0.0
14580	0.019	0.0
14640	0.027	0.0
14700	0.029	0.0
14760	0.028	0.0
14820	0.02	0.0
14880	0.027	0.0
14940	0.021	0.0
15000	0.023	0.0
15060	0.019	0.0
15120	0.022	0.0
15180	0.021	0.0
15240	0.025	0.0
15300	0.023	0.0
15360	0.025	0.0
15420	0.023	0.0
15480	0.02	0.0
15540	0.021	0.0
15600	0.019	0.0
15660	0.02	0.0
15720	0.02	0.0

15780	0.02	0.0
15840	0.044	0.0
15900	0.029	0.0
15960	0.029	0.0
16020	0.029	0.0
16080	0.022	0.0
16140	0.021	0.0
16200	0.023	0.0
16260	0.023	0.0
16320	0.024	0.0
16380	0.022	0.0
16440	0.023	0.0
16500	0.023	0.0
16560	0.022	0.0
16620	0.022	0.0
16680	0.023	0.0
16740	0.025	0.0
16800	0.025	0.0
16860	0.025	0.0
16920	0.03	0.0
16980	0.022	0.0
17040	0.022	0.0
17100	0.023	0.0
17160	0.031	0.0
17220	0.027	0.0
17280	0.025	0.0
17340	0.023	0.0
17400	0.023	0.0
17460	0.027	0.0
17520	0.058	0.0
17580	0.037	0.0
17640	0.047	0.0
17700	0.031	0.0
17760	0.024	0.0
17820	0.024	0.0
17880	0.029	0.0
17940	0.025	0.0
18000	0.027	0.0
18060	0.024	0.0
18120	0.023	0.0
18180	0.024	0.0
18240	0.028	0.0
18300	0.034	0.0
18360	0.03	0.0
18420	0.027	0.0
18480	0.03	0.0
18540	0.033	0.0

18600	0.024	0.0
18660	0.026	0.0
18720	0.025	0.0
18780	0.027	0.0
18840	0.025	0.0
18900	0.029	0.0
18960	0.055	0.0
19020	0.025	0.0
19080	0.026	0.0
19140	0.026	0.0
19200	0.025	0.0
19260	0.024	0.0
19320	0.024	0.0
19380	0.025	0.0
19440	0.032	0.0
19500	0.039	0.0
19560	0.028	0.0
19620	0.024	0.0
19680	0.025	0.0
19740	0.025	0.0
19800	0.026	0.0
19860	0.03	0.0
19920	0.037	0.0
19980	0.028	0.0
20040	0.067	0.0
20100	0.03	0.0
20160	0.026	0.0
20220	0.027	0.0
20280	0.027	0.0
20340	0.026	0.0
20400	0.025	0.0
20460	0.024	0.0
20520	0.025	0.0
20580	0.025	0.0
20640	0.028	0.0
20700	0.029	0.0
20760	0.024	0.0
20820	0.025	0.0
20880	0.025	0.0
20940	0.027	0.0
21000	0.027	0.0
21060	0.032	0.0
21120	0.029	0.0
21180	0.05	0.0
21240	0.031	0.0
21300	0.027	0.0
21360	0.031	0.0

21420	0.03	0.0
21480	0.027	0.0
21540	0.026	0.0
21600	0.026	0.0
21660	0.025	0.0
21720	0.029	0.0
21780	0.029	0.0
21840	0.022	0.0
21900	0.021	0.0
21960	0.023	0.0
22020	0.023	0.0
22080	0.024	0.0
22140	0.022	0.0
22200	0.023	0.0
22260	0.023	0.0
22320	0.022	0.0
22380	0.022	0.0
22440	0.023	0.0
22500	0.025	0.0
22560	0.025	0.0
22620	0.025	0.0
22680	0.03	0.0
22740	0.03	0.0
22800	0.03	0.0
22860	0.03	0.0
22920	0.03	0.0
22980	0.03	0.0
23040	0.012	0.0
23100	0.006	0.0
23160	0.006	0.0
23220	0.024	0.0
23280	0.017	0.0
23340	0.012	0.0
23400	0.006	0.0
23460	0.198	0.0
23520	0.004	0.0
23580	0.098	0.0
23640	0.004	0.0
23700	0.007	0.0
23760	0.006	0.0
23820	0.015	0.0
23880	0.004	0.0
23940	0.003	0.0
24000	0.002	0.0
24060	0.003	0.0
24120	0.002	0.0
24180	0.009	0.0

24240	0.004	0.0
24300	0.005	0.0
24360	0.007	0.0
24420	0.006	0.0
24480	0.015	0.0
24540	0.004	0.0
24600	0.003	0.0
24660	0.002	0.0
24720	0.003	0.0
24780	0.002	0.0
24840	0.009	0.0
24900	0.004	0.0
24960	0.005	0.0
25020	0.012	0.0
25080	0.006	0.0
25140	0.006	0.0
25200	0.024	0.0
25260	0.017	0.0
25320	0.012	0.0
25380	0.006	0.0
25440	0.198	0.0
25500	0.004	0.0
25560	0.098	0.0
25620	0.004	0.0
25680	0.007	0.0
25740	0.006	0.0
25800	0.015	0.0
25860	0.004	0.0
25920	0.003	0.0
25980	0.002	0.0
26040	0.003	0.0
26100	0.002	0.0
26160	0.009	0.0
26220	0.012	0.0
26280	0.006	0.0
26340	0.006	0.0
26400	0.024	0.0
26460	0.017	0.0
26520	0.012	0.0
26580	0.006	0.0
26640	0.198	0.0
26700	0.004	0.0
26760	0.098	0.0
26820	0.004	0.0
26880	0.007	0.0
26940	0.006	0.0
27000	0.015	0.0

27060	0.004	0.0
27120	0.003	0.0
27180	0.002	0.0
27240	0.003	0.0
27300	0.002	0.0
27360	0.009	0.0
27420	0.004	0.0
27480	0.005	0.0
27540	0.007	0.0
27600	0.006	0.0
27660	0.015	0.0
27720	0.004	0.0
27780	0.003	0.0
27840	0.002	0.0
27900	0.003	0.0