

**APPENDIX D. BRAKE STOP STATISTICS  
WITH PEDAL EFFORT BREAKDOWN**

GRANDAM STATISTICS

ALL STOPS

No Payload Dry			Payload Dry			No Payload Wet			Payload Wet		
Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class
1	146.9	A	1	153.5	A	1	197.0	A	1	164.5	A
2	147.5	A	2	148.0	A	2	190.9	A	2	171.5	A
3	147.5	A	3	152.6	A	3	184.0	C	3	163.3	A
4	148.4	A	4	153.3	A	4	193.2	A	4	170.3	A
5	149.4	A	5	152.2	A	5	176.5	A	5	167.0	A
6	149.3	A	6	152.3	A	6	183.4	A	6	167.5	A
7	148.4	A	7	151.0	A	7	194.5	A	7	180.3	A
8	145.6	A	8	153.0	A	8	188.6	A	8	180.1	A
9	145.5	A	9	152.8	A	9	189.6	A	9	158.4	A
10	150.3	A	10	151.3	A	10	201.6	B	10	177.3	A
									11	186.2	A
x bar	147.9			152.0			190.1			171.5	
STD n-1	1.6			1.6			6.9			8.5	
95%	148.8			152.9			193.9			175.9	

A,B

No Payload Dry			Payload Dry			No Payload Wet			Payload Wet		
Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class
1	146.9	A	1	153.5	A	1	197.0	A	1	164.5	A
2	147.5	A	2	148.0	A	2	190.9	A	2	171.5	A
3	147.5	A	3	152.6	A	3			3	163.3	A
4	148.4	A	4	153.3	A	4	193.2	A	4	170.3	A
5	149.4	A	5	152.2	A	5	176.5	A	5	167.0	A
6	149.3	A	6	152.3	A	6	183.4	A	6	167.5	A
7	148.4	A	7	151.0	A	7	194.5	A	7	180.3	A
8	145.6	A	8	153.0	A	8	188.6	A	8	180.1	A
9	145.5	A	9	152.8	A	9	189.6	A	9	158.4	A
10	150.3	A	10	151.3	A	10	201.6	B	10	177.3	A
									11	186.2	A
x bar	147.9			152.0			190.6			171.5	
STD n-1	1.5			1.6			7.0			8.5	
95%	148.8			152.9			194.0			175.9	

A

No Payload Dry			Payload Dry			No Payload Wet			Payload Wet		
Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class
1	146.9	A	1	153.5	A	1	197.0	A	1	164.5	A
2	147.5	A	2	148.0	A	2	190.9	A	2	171.5	A
3	147.5	A	3	152.6	A	3			3	163.3	A
4	148.4	A	4	153.3	A	4	193.2	A	4	170.3	A
5	149.4	A	5	152.2	A	5	176.5	A	5	167.0	A
6	149.3	A	6	152.3	A	6	183.4	A	6	167.5	A
7	148.4	A	7	151.0	A	7	194.5	A	7	180.3	A
8	145.6	A	8	153.0	A	8	188.6	A	8	180.1	A
9	145.5	A	9	152.8	A	9	189.6	A	9	158.4	A
10	150.3	A	10	151.3	A	10			10	177.3	A
									11	186.2	A
x bar	147.9			152.0			189.5			171.5	
STD n-1	1.6			1.6			6.0			8.5	
95%	148.8			152.9			193.3			175.9	

EXPEDITION STATISTICS

ALL STOPS

No Payload Dry			Payload Dry			No Payload Wet			Payload Wet		
Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class
1	152.8	C	1	165.5	B	1	199.7	A	1	212.5	A
2	168.9	A	2	160.5	A	2	208	D	2	211.3	A
3	165.2	A	3	170.5	D	3	218.4	B	3	230.6	D
4	164.9	A	4	165.1	A	4	195.7	A	4	223.7	B
5	166.6	A	5	173.3	D	5	198.2	B	5	235.9	D
6	167.8	A	6	171.8	D	6	192.9	A	6	226.2	B
7	175.8	A	7	176.4	D	7	193.4	A	7	212.6	A
8	186.5	A	8	166.7	B	8	191.8	B	8	236.2	B
9	172.8	A	9	168.1	A	9	194.4	A			
10	190.7	A									
$\bar{x}$ bar	170.4			168.8			188.8			219.9	
STD s-1	8.1			4.8			8.8			10.8	
95%	174.8			171.6			204.1			226.6	

A,B,C

No Payload Dry			Payload Dry			No Payload Wet			Payload Wet		
Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class
1	162.8	C	1	165.5	B	1	199.7	A	1	212.5	A
2	168.9	A	2	160.5	A	2			2	211.3	A
3	165.2	A	3			3	208.4	B	3		
4	164.9	A	4	160.1	A	4	196.7	A	4	223.7	B
5	166.6	A	5			5	198.2	B	5		
6	167.8	A	6			6	192.9	A	6	226.2	B
7	175.8	A	7			7	193.4	A	7	212.6	A
8	186.5	A	8	166.7	B	8	191.8	B	8	236.2	B
9	172.8	A	9	168.1	A	9	194.4	A			
10	190.7	A									
$\bar{x}$ bar	170.4			165.4			197.8			220.4	
STD s-1	8.1			3.1			8.7			10.8	
95%	174.8			168.0			203.2			227.9	

A,B

No Payload Dry			Payload Dry			No Payload Wet			Payload Wet		
Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class
1	162.8	C	1	165.5	B	1	199.7	A	1	212.5	A
2	168.9	A	2	160.5	A	2			2	211.3	A
3	165.2	A	3			3	218.4	B	3		
4	164.9	A	4	165.1	A	4	195.7	A	4	223.7	B
5	166.6	A	5			5	198.2	B	5		
6	167.8	A	6			6	192.9	A	6	226.2	B
7	175.8	A	7			7	193.4	A	7	212.6	A
8	186.5	A	8	166.7	B	8	191.8	B	8	236.2	B
9	172.8	A	9	168.1	A	9	194.4	A			
10	190.7	A									
$\bar{x}$ bar	171.2			163.4			197.8			220.4	
STD s-1	8.1			3.1			8.7			10.8	
95%	175.0			168.0			203.2			227.9	

A

No Payload Dry			Payload Dry			No Payload Wet			Payload Wet		
Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class
1	162.8	C	1	165.5	B	1	199.7	A	1	212.5	A
2	168.9	A	2	160.5	A	2			2	211.3	A
3	165.2	A	3			3			3		
4	164.9	A	4	165.1	A	4	196.7	A	4		
5	166.6	A	5			5			5		
6	167.8	A	6			6	192.9	A	6		
7	175.8	A	7			7	193.4	A	7	212.6	A
8	186.5	A	8			8			8		
9	172.8	A	9	168.1	A	9	194.4	A			
10	190.7	A									
$\bar{x}$ bar	170.4			164.9			195.2			212.1	
STD s-1	8.1			4.3			2.7			8.7	
95%	174.8			170.8			197.8			213.1	

**CAMRY STATISTICS**

**ALL STOPS**

No Payload Dry			Payload Dry			No Payload Wet			Payload Wet		
Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class
1	158.2	A	1	163.2	A	1	167.3	A	1	174.00	A
2	163.0	A	2	168.9	A	2	173.5	A	2	168.30	B
3	161.7	A	3	158.6	A	3	169.7	A	3	175.20	A
4	158.2	A	4	160.5	A	4	174.0	A	4	174.60	A
5	162.4	A	5	160.7	A	5	175.3	A	5	174.40	B
6	160.1	A	6	163.5	A	6	172.8	A	6	175.60	A
7	159.1	A	7	159.6	A	7	181.7	A	7	175.80	A
8	159.1	A	8	162.9	A	8	177.4	A	8	174.90	A
9	158.3	A	9	158.9	A	9	183.4	A	9	174.90	B
10	158.5	A	10	160.0	A	10	181.6	A	10	174.30	C
x bar	159.7			161.5			175.7			174.3	
STD n-1	2.1			2.6			5.3			2.2	
95%	160.8			162.9			178.6			175.5	

**A,B**

No Payload Dry			Payload Dry			No Payload Wet			Payload Wet		
Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class
1	158.2	A	1	163.2	A	1	167.3	A	1	174.00	A
2	163.0	A	2	168.9	A	2	173.5	A	2	168.30	B
3	161.7	A	3	158.6	A	3	169.7	A	3	175.20	A
4	158.2	A	4	160.5	A	4	174.0	A	4	174.60	A
5	162.4	A	5	160.7	A	5	175.3	A	5	174.40	B
6	160.1	A	6	163.5	A	6	172.8	A	6	175.60	A
7	159.1	A	7	159.6	A	7	181.7	A	7	175.80	A
8	159.1	A	8	162.9	A	8	177.4	A	8	174.90	A
9	158.3	A	9	158.9	A	9	183.4	A	9	174.90	B
10	158.5	A	10	160.0	A	10	181.6	A	10		
x bar	159.7			161.5			175.7			174.3	
STD n-1	2.1			2.6			5.3			2.4	
95%	160.8			162.9			178.6			175.7	

**A**

No Payload Dry			Payload Dry			No Payload Wet			Payload Wet		
Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class
1	158.2	A	1	163.2	A	1	167.3	A	1	174.00	A
2	163.0	A	2	168.9	A	2	173.5	A	2		
3	161.7	A	3	158.6	A	3	169.7	A	3	175.20	A
4	158.2	A	4	160.5	A	4	174.0	A	4	174.60	A
5	162.4	A	5	160.7	A	5	175.3	A	5		
6	160.1	A	6	163.5	A	6	172.8	A	6	176.60	A
7	159.1	A	7	159.6	A	7	181.7	A	7	175.80	A
8	159.1	A	8	162.9	A	8	177.4	A	8	174.90	A
9	158.3	A	9	158.9	A	9	183.4	A	9		
10	158.5	A	10	160.0	A	10	181.6	A	10		
x bar	159.7			161.5			175.7			175.2	
STD n-1	2.1			2.6			5.3			0.9	
95%	160.8			162.9			178.6			175.9	

MALIBU STATISTICS

ALL STOPS

No Payload Dry			Payload Dry			No Payload Wet			Payload Wet		
Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class
1	140.0	A	1	154.5	A	1	147.9	A	1	153.4	D
2	142.0	A	2	155.7	A	2	150.9	B	2	152.4	A
3	140.9	A	3	156.6	A	3	151.5	B	3	153.7	A
4	142.8	A	4	156.8	A	4	147.4	A	4	160.5	A
5	139.0	A	5	154.7	A	5	153.9	A	5	164.2	B
6	142.4	A	6	151.5	A	6	146.3	A	6	158.9	B
7	140.1	A	7	150.2	A	7	148.8	A	7	169.5	A
8	143.0	A	8	152.8	A	8	151.0	A	8	181.3	A
9	142.0	A	9	156.0	A	9	149.4	A	9	176.4	B
10	140.3	A	10	151.4	A	10	155.5	A	10	158.4	A
									11	170.2	B
x bar	141.3			154.0			150.3			164.1	
STD n-1	1.4			2.4			2.9			10.3	
95%	142.0			155.3			151.9			169.2	

A,B

No Payload Dry			Payload Dry			No Payload Wet			Payload Wet		
Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class
1	140.0	A	1	154.5	A	1	147.9	A	1	152.4	A
2	142.0	A	2	155.7	A	2	150.9	B	2	153.7	A
3	140.9	A	3	156.6	A	3	151.5	B	3	160.5	A
4	142.8	A	4	156.8	A	4	147.4	A	4	164.2	B
5	139.0	A	5	154.7	A	5	153.9	A	5	158.9	B
6	142.4	A	6	151.5	A	6	146.3	A	6	169.5	A
7	140.1	A	7	150.2	A	7	148.8	A	7	181.3	A
8	143.0	A	8	152.8	A	8	151.0	A	8	176.4	B
9	142.0	A	9	156.0	A	9	149.4	A	9	158.4	A
10	140.3	A	10	151.4	A	10	155.5	A	10	176.2	B
x bar	141.3			154.0			150.3			165.2	
STD n-1	1.4			2.4			2.9			10.2	
95%	142.0			155.3			151.9			170.6	

A

No Payload Dry			Payload Dry			No Payload Wet			Payload Wet		
Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class
1	140.0	A	1	154.5	A	1	147.9	A	1	152.4	A
2	142.0	A	2	155.7	A	2			2	153.7	A
3	140.9	A	3	156.6	A	3			3	160.5	A
4	142.8	A	4	156.8	A	4	147.4	A	4		
5	139.0	A	5	154.7	A	5	153.9	A	5		
6	142.4	A	6	151.5	A	6	146.3	A	6		
7	140.1	A	7	150.2	A	7	148.8	A	7	169.5	A
8	143.0	A	8	152.8	A	8	151.0	A	8	181.3	A
9	142.0	A	9	156.0	A	9	149.4	A	9		
10	140.3	A	10	151.4	A	10	155.5	A	10	158.4	A
									11		
x bar	141.3			154.0			150.0			162.6	
STD n-1	1.4			2.4			3.2			11.0	
95%	142.0			155.3			152.1			168.1	

## CARAVAN STATISTICS

### ALL STOPS

No Payload Dry			Payload Dry			No Payload Wet			Payload Wet		
Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class
1	153.7	A	1	175.2	A	1	164.9	B	1	185.9	A
2	161.5	B	2	164.9	A	2	162.9	D	2	188.5	A
3	158.1	A	3	174.5	A	3	168.5	D	3	192.2	A
4	160.8	A	4	172.3	A	4	152.8	A	4	194.6	A
5	157.1	A	5	169.0	A	5	153.0	A	5	197.2	A
6	159.4	A	6	171.9	A	6	159.1	B	6	192.1	A
7	159.4	A	7	168.8	A	7	174.0	D	7	186.2	A
8	166.8	D	8	177.0	A	8	164.6	A	8	186.3	A
9	158.1	A	9	181.1	A	9	164.1	A	9	187.9	A
10	163.8	A	10	176.7	A	10	163.8	A	10	195.4	B
11	159.2	A				11	171.6	A			
x bar	158.2			173.1			166.3			180.6	
STD n-1	3.5			4.8			3.9			4.2	
95%	161.6			175.6			186.4			192.9	

### A,B

No Payload Dry			Payload Dry			No Payload Wet			Payload Wet		
Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class
1	153.7	A	1	175.2	A	1	164.9	B	1	185.9	A
2	161.5	B	2	164.9	A	2			2	188.5	A
3	158.1	A	3	174.5	A	3			3	192.2	A
4	160.8	A	4	172.3	A	4	162.8	A	4	194.6	A
5	157.1	A	5	169.0	A	5	163.0	A	5	197.2	A
6	159.4	A	6	171.9	A	6	168.1	B	6	192.1	A
7	159.4	A	7	168.8	A	7			7	186.2	A
8			8	177.0	A	8	164.6	A	8	186.3	A
9	158.1	A	9	181.1	A	9	164.1	A	9	187.9	A
10	163.8	A	10	176.7	A	10	163.8	A	10	195.4	B
11	159.2	A				11	171.6	A			
x bar	159.1			173.1			165.5			180.6	
STD n-1	2.7			4.6			3.7			4.2	
95%	160.6			175.8			167.5			192.9	

### A

No Payload Dry			Payload Dry			No Payload Wet			Payload Wet		
Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class
1	153.7	A	1	175.2	A	1			1	185.9	A
2			2	164.9	A	2			2	188.5	A
3	158.1	A	3	174.5	A	3			3	192.2	A
4	160.8	A	4	172.3	A	4	162.8	A	4	194.6	A
5	157.1	A	5	169.0	A	5	163.0	A	5	197.2	A
6	159.4	A	6	171.9	A	6			6	192.1	A
7	159.4	A	7	168.8	A	7			7	186.2	A
8			8	177.0	A	8	164.6	A	8	186.3	A
9	158.1	A	9	181.1	A	9	164.1	A	9	187.9	A
10	163.8	A	10	176.7	A	10	163.8	A	10		
11	159.2	A				11	171.6	A			
x bar	158.8			173.1			165.0			180.1	
STD n-1	2.7			4.6			3.3			4.1	
95%	160.3			176.2			167.0			192.3	

CADILLAC STATISTICS

ALL STOPS

No Payload Dry			Payload Dry			No Payload Wet			Payload Wet		
Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class
1	157.8	A	1	153.1	B	1	154.8	C	1	153.8	B
2	150.9	B	2	150.3	A	2	155.8	A	2	153.8	A
3	149.0	A	3	150.2	A	3	155.3	A	3	152.3	A
4	154.4	A	4	150.1	B	4	150.7	A	4	151.9	B
5	156.0	C	5	158.8	A	5	154.7	B	5	151.0	A
6	157.5	A	6	171.3	A	6	153.4	A	6	157.0	A
7	154.1	A	7	159.3	A	7	151.2	B	7	153.2	A
8	157.2	A	8	170.0	A	8	154.8	D	8	155.4	A
9	158.8	A	9	158.9	A	9	153.2	A	9	154.0	A
10	158.8	C	10	154.7	A	10	152.5	A	10	155.4	A
11	156.3	B	11	151.7	B						
12	157.1	B	12	159.5	A						
x bar	158.4			155.2			153.8			153.9	
STD n-1	2.8			4.1			1.8			1.8	
95%	157.0			157.2			154.8			154.8	

A,B,C

No Payload Dry			Payload Dry			No Payload Wet			Payload Wet		
Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class
1	157.8	A	1	153.1	B	1	154.8	C	1	153.8	B
2	150.9	B	2	150.3	A	2	155.8	A	2	153.8	A
3	149.0	A	3	150.2	A	3	155.3	A	3	152.3	A
4	154.4	A	4	150.1	B	4	150.7	A	4	151.9	D
5	156.0	C	5	158.8	A	5	154.7	B	5	151.0	A
6	157.5	A	6	171.3	A	6	153.4	A	6	157.0	A
7	154.1	A	7	159.3	A	7	151.2	B	7	153.2	A
8	157.2	A	8	170.0	A	8	154.8	D	8	155.4	A
9	158.8	A	9	158.9	A	9	153.2	A	9	154.0	A
10	158.8	C	10	154.7	A	10	152.5	A	10	155.4	A
11	156.3	B	11	151.7	B						
12	157.1	B	12	159.5	A						
x bar	158.4			155.2			153.8			153.9	
STD n-1	2.9			4.1			1.8			1.8	
95%	159.0			157.2			154.7			154.8	

A,B

No Payload Dry			Payload Dry			No Payload Wet			Payload Wet		
Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class
1	157.8	A	1	153.1	B	1	154.8	C	1	153.8	B
2	150.9	B	2	150.3	A	2	155.8	A	2	153.8	A
3	149.0	A	3	150.2	A	3	155.3	A	3	152.3	A
4	154.4	A	4	150.1	B	4	150.7	A	4	151.9	B
5	156.0	C	5	158.8	A	5	154.7	B	5	151.0	A
6	157.5	A	6	171.3	A	6	153.4	A	6	157.0	A
7	154.1	A	7	159.3	A	7	151.2	B	7	153.2	A
8	157.2	A	8	170.0	A	8	154.8	D	8	155.4	A
9	158.8	A	9	158.9	A	9	153.2	A	9	154.0	A
10	158.8	C	10	154.7	A	10	152.5	A	10	155.4	A
11	156.3	B	11	151.7	B						
12	157.1	B	12	159.5	A						
x bar	158.4			155.2			153.8			153.9	
STD n-1	3.1			4.1			2.0			1.8	
95%	158.7			157.2			154.7			154.8	

A

No Payload Dry			Payload Dry			No Payload Wet			Payload Wet		
Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class
1	157.8	A	1	153.1	B	1	154.8	C	1	153.8	B
2	150.9	B	2	150.3	A	2	155.8	A	2	153.8	A
3	149.0	A	3	150.2	A	3	155.3	A	3	152.3	A
4	154.4	A	4	150.1	B	4	150.7	A	4	151.9	B
5	156.0	C	5	158.8	A	5	154.7	B	5	151.0	A
6	157.5	A	6	171.3	A	6	153.4	A	6	157.0	A
7	154.1	A	7	159.3	A	7	151.2	B	7	153.2	A
8	157.2	A	8	170.0	A	8	154.8	D	8	155.4	A
9	158.8	A	9	158.9	A	9	153.2	A	9	154.0	A
10	158.8	C	10	154.7	A	10	152.5	A	10	155.4	A
11	156.3	B	11	151.7	B						
12	157.1	B	12	159.5	A						
x bar	158.5			155.4			153.7			154.2	
STD n-1	3.2			4.1			2.0			1.8	
95%	157.8			158.7			154.2			155.2	

EXPRESS STATISTICS

ALL STOPS

No Payload Dry			Payload Dry			No Payload Wet			Payload Wet		
Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class
1	180.8	A	1	182.6	D	1	180.7	D	1	181.1	A
2	168.3	C	2	188.4	D	2	188.7	D	2	188.7	A
3	164.9	B	3	181.0	C	3	176.8	B	3	188.7	A
4	165.5	D	4	179.0	A	4	178.5	A	4	184.9	A
5	164.5	D	5	184.6	A	5	177.9	A	5	178.9	A
6	187.0	D	6	182.0	A	6	175.6	A	6	184.1	A
7	173.2	D	7	182.5	A	7	180.3	A	7	188.5	D
8	196.1	A	8	183.1	A	8	180.5	A	8	182.5	B
9	188.1	A	9	178.8	A	9	178.0	A	9	188.1	A
10	188.3	A	10	188.9	A	10	178.6	A			
						11	180.5	A			
1 bar	185.4		180.1			179.3			184.7		
STD n-1	3.2		5.9			3.1			3.6		
95%	188.2		183.7			180.9			188.3		

A,B,C

No Payload Dry			Payload Dry			No Payload Wet			Payload Wet		
Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class
1	180.8	A	1	181.0	C	1	175.6	B	1	181.1	A
2	184.3	C	2	178.0	A	2	178.5	A	2	188.7	A
3	184.9	B	3	184.5	A	3	177.5	A	3	188.7	A
4			4	182.0	A	4	175.8	A	4	184.9	A
5			5	182.5	A	5	180.5	A	5	178.9	A
6			6	183.1	A	6	178.0	A	6	184.1	A
7			7	178.8	A	7	178.6	A	7	188.5	D
8	186.1	A	8	188.9	A	8	180.5	A	8	182.5	B
9	188.1	A	9	188.9	A	9	178.0	A	9	188.1	A
10	188.3	A	10			10	178.6	A			
						11	180.5	A			
1 bar	186.6		179.1			178.5			184.1		
STD n-1	2.7		5.6			1.9			3.2		
95%	187.6		182.7			178.4			185.7		

A,B

No Payload Dry			Payload Dry			No Payload Wet			Payload Wet			
Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class	
1	180.8	A	1	178.0	A	1	178.5	A	1	181.1	A	
2			2	184.5	A	2	178.5	A	2	188.7	A	
3	164.9	B	3	182.0	A	3	178.8	B	3	188.7	A	
4			4	182.5	A	4	178.5	A	4	184.9	A	
5			5	183.1	A	5	177.5	A	5	178.9	A	
6			6	178.8	A	6	175.8	A	6	184.1	A	
7			7	182.5	A	7	180.3	A	7			
8	186.1	A	8	183.1	A	8	180.5	A	8	182.5	B	
9	188.1	A	9	178.8	A	9	178.0	A	9	188.1	A	
10	188.3	A	10	188.9	A	10	178.6	A				
						11	180.5	A				
1 bar	185.0		178.8			178.3			184.1			
STD n-1	2.7		8.2			1.8			3.2			
95%	187.3		183.0			179.4			188.1			

A

No Payload Dry			Payload Dry			No Payload Wet			Payload Wet			
Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class	
1	180.8	A	1	178.0	A	1	178.5	A	1	181.1	A	
2			2	184.5	A	2	178.5	A	2	188.7	A	
3			3	182.0	A	3	178.8	A	3	188.7	A	
4			4	182.5	A	4	178.5	A	4	184.9	A	
5			5	183.1	A	5	177.9	A	5	178.9	A	
6			6	178.8	A	6	175.6	A	6	184.1	A	
7			7	182.5	A	7	180.3	A	7			
8	186.1	A	8	183.1	A	8	180.5	A	8	182.5	B	
9	188.1	A	9	178.8	A	9	178.0	A	9	188.1	A	
10	188.3	A	10	188.9	A	10	178.6	A				
						11	180.5	A				
1 bar	185.1		178.6			178.5			184.4			
STD n-1	3.1		6.2			1.9			3.4			
95%	188.2		183.0			179.7			188.8			



### ASTRO STATISTICS

#### ALL STOPS

No Payload Dry			Payload Dry			No Payload Wet			Payload Wet		
Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class
1	170.5	C	1	184.6	A	1	173.9	D	1	200	D
2	172.5	A	2	181.6	A	2	176	B	2	197.8	D
3	170.7	C	3	179.5	A	3	175.1	A	3	191.6	D
4	167.9	D	4	174.4	A	4	177.3	D	4	167.7	D
5	169	B	5	183	A	5	173.1	B	5	184.9	A
6	171.4	A	6	185.7	C	6	175.4	A	6	184.9	A
7	170.9	A	7	183.8	A	7	172.5	B	7	184.7	B
8	170.1	A	8	184	C	8	173.8	A	8	186.6	A
9	169.1	A	9	187.4	D	9	175.2	B	9	183.8	B
			10	186.1	B	10	172	C	10	185.6	B
$\bar{x}$ wet	170.2			183.4			174.9			186.1	
STD n-1	1.4			2.9			2.2			3.5	
95%	171.0			183.0			176.1			182.6	

#### A,B,C

No Payload Dry			Payload Dry			No Payload Wet			Payload Wet		
Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class
1	170.5	C	1	184.6	A	1	176	B			
2	172.5	A	2	181.6	A	2	175.1	A	5	184.9	A
3	170.7	C	3	179.5	A	3	175.1	A	6	184.9	A
4			4	174.4	A	4					
5	169	B	5	183	A	5	173.1	B			
6	171.4	A	6	185.7	C	6	175.4	A	7	184.7	B
7	170.9	A	7	183.8	A	7	172.5	B	8	186.6	A
8	170.1	A	8	184	C	8	173.8	A	9	183.8	B
9	169.1	A	9			9	175.2	B	10	185.6	B
			10	186.1	B	10	172	C			
$\bar{x}$ wet	170.5			183.0			174.1			185.1	
STD n-1	1.2			2.7			1.5			0.9	
92%	171.3			184.8			175.1			185.8	

#### A,B

No Payload Dry			Payload Dry			No Payload Wet			Payload Wet		
Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class
1			1	184.6	A	1					
2	172.5	A	2	181.6	A	2	176	B			
3			3	179.5	A	3	175.1	A	5	184.9	A
4			4	174.4	A	4			6	184.9	A
5	169	B	5	183	A	5	173.1	B			
6	171.4	A	6	185.7	C	6	175.4	A	7	184.7	B
7	170.9	A	7	183.8	A	7	172.5	B	8	186.6	A
8	170.1	A	8	184	C	8	173.8	A	9	183.8	B
9	169.1	A	9			9	175.2	B	10	185.6	B
			10	186.1	B	10					
$\bar{x}$ wet	170.5			182.5			174.4			185.1	
STD n-1	1.9			2.8			1.3			0.9	
95%	171.5			184.4			175.3			185.8	

#### A

No Payload Dry			Payload Dry			No Payload Wet			Payload Wet		
Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class
1			1	184.6	A	1					
2	172.5	A	2	181.6	A	2					
3			3	179.5	A	3	175.1	A	5	184.9	A
4			4	174.4	A	4			6	184.9	A
5			5	183	A	5					
6	171.4	A	6	185.7	C	6	175.4	A			
7	170.9	A	7	183.8	A	7			9	185.6	A
8	170.1	A	8			8	173.8	A			
9	169.1	A	9			9					
			10			10					
$\bar{x}$ wet	170.8			181.9			174.8			185.5	
STD n-1	1.3			2.5			0.9			1.0	
95%	171.9			183.7			175.9			185.8	

BONNEVILLE STATISTICS

ALL STOPS

No Payload Dry			Payload Dry			No Payload Wet			Payload Wet		
Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class
1	157.4	A	1	172.2	B	1	162.7	A	1	166.4	C
2	156.4	A	2	166.7	C	2	158.7	A	2	163.9	D
3	157.4	A	3	164.7	B	3	162.9	B	3	166.5	D
4	155.2	A	4	161	B	4	161.2	B	4	157.2	C
5	158.7	A	5	160.4	A	5	162.6	A	5	166.4	D
6	158.9	A	6	162.7	D	6	162.7	B	6	162.1	B
7	154.4	R	7	158.5	C	7	163.1	A	7	163.1	B
8	159.3	A	8	158.9	D	8	159.3	A	8	164.4	D
9	159.2	A	9	164.8	C	9	158.9	B	9	169.5	A
10	153.6	A	10	161.4	D	10	161.1	A	10	165.1	A
11			11	159.3	D						
x bar	156.7			162.9			161.3			165.5	
STD n-1	1.9			4.0			1.7			2.2	
95%	157.7			163.0			162.3			164.7	

A,B,C

No Payload Dry			Payload Dry			No Payload Wet			Payload Wet		
Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class
1	157.4	A	1	172.2	B	1	162.7	A	1	166.4	C
2	156.4	A	2	166.7	C	2	158.7	A	2		
3	157.4	A	3	164.7	B	3	162.9	R	3		
4	155.2	A	4	161	B	4	161.2	B	4		
5	158.7	A	5	160.4	A	5	162.6	A	5		
6	158.9	A	6			6	162.7	B	6	162.1	B
7	154.4	B	7	158.5	C	7	163.1	A	7	163.1	B
8	159.3	A	8			8	159.3	A	8		
9	159.2	A	9	164.8	C	9	158.9	B	9	169.5	A
10	153.6	A	10			10	161.1	A	10	165.1	A
11			11								
x bar	156.7			164.2			161.3			165.3	
STD n-1	1.9			4.4			1.7			3.0	
95%	157.7			167.2			162.3			167.8	

A,B

No Payload Dry			Payload Dry			No Payload Wet			Payload Wet		
Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class
1	157.4	A	1	172.2	B	1	162.7	A	1		
2	156.4	A	2			2	158.7	A	2		
3	157.4	A	3	164.7	B	3	162.9	B	3		
4	155.2	A	4	161	B	4	161.2	B	4		
5	158.7	A	5	160.4	A	5	162.6	A	5		
6	158.9	A	6			6	162.7	B	6	162.1	B
7	154.4	B	7			7	163.1	A	7	163.1	B
8	159.3	A	8			8	159.3	A	8		
9	159.2	A	9			9	158.9	B	9	169.5	A
10	153.6	A	10			10	161.1	A	10	165.1	A
11			11								
x bar	156.7			164.3			161.3			165.0	
STD n-1	1.9			5.4			1.7			3.3	
95%	157.7			170.1			162.3			168.4	

A

No Payload Dry			Payload Dry			No Payload Wet			Payload Wet		
Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class	Stop #	Distance	Class
1	157.4	A	1			1	162.7	A	1		
2	156.4	A	2			2	158.7	A	2		
3	157.4	A	3			3			3		
4	155.2	A	4			4			4		
5	158.7	A	5	160.4	A	5	162.6	A	5		
6	158.9	A	6			6			6		
7	154.4	B	7			7	163.1	A	7		
8	159.3	A	8			8	159.3	A	8		
9	159.2	A	9			9			9	169.5	A
10	153.6	A	10			10	161.1	A	10	165.1	A
11			11								
x bar	156.9			160.4			161.3			167.4	
STD n-1	1.6						1.8			3.2	
95%	157.9						162.7			177.4	