

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Exhibit 2 SpeedOf.Me Mbps				t Tests:	6.92	7.19	5.58	5.34		Exhibit 2		
2					Std Dev	92.9	94.6	135.1	144.7	3.6			
3	49	After Upgrade			Mean	133.3	152.4	168.5	179.6	16.9			
4		Member				DownAv	DownMax	UpAv	UpMax	latency	date	time	
5		1	s	apl		160	161	187	201	15	9/9/19	9:09	
6		2	s	win		314	315	88	91	16	9/1/19	16:32	
7		3	b	win		187	187	75	78	20	8/29/19	14:10	
8		4	s	win		221	221	414	425	16	9/1/19	9:50	
9		5	b	win		165	262	362	363	17	9/4/19	9:37	
10		6	s	win		68	97	139	173	15	9/3/19	13:37	
11		7	b	win		314	315	88	91	16	9/1/19	16:32	
12		8	b	apl		86	105	143	173	18	9/28/19	11:14	
13		9	b	win		244	267	91	94	16	9/6/19	12:02	
14		10	s	apl		116	162	389	389	16	9/17/19	17:04	
15		11	s	win		127	141	265	361	17	9/19/19	12:31	
16		12	s	win		62	62	57	62	16	10/2/19	8:00	
17		13	b	win		58	61	38	43	19	8/29/19	15:37	
18		14	s	win		133	133	153	175	22	9/25/19	17:53	
19		15	b	apl		103	148	278	284	17	9/4/19	16:49	
20		16	s	win		104	114	96	102	15	9/6/19	15:02	
21		17	s	win		36	39	39	48	18	9/27/19	14:41	
22		18	b	apl		109	165	220	234	15	9/6/19	15:44	
23		21	b	win		232	262	93	96	19	9/29/19	13:33	
24		22	s	win		43	47	27	40	16	9/30/19	13:39	
25		23	b	win		89	95	100	101	14	9/12/19	15:51	
26		24	s	apl		161	202	450	478	17	9/3/19	11:33	
27		25	b	apl		192	210	87	90	18	9/25/19	9:33	
28		26	b	win		29	29	57	60	23	8/31/19	12:30	
29		27	s	win		178	192	12	16	29	10/1/19	11:41	
30		28	b	win		17	21	60	60	17	10/14/19	21:38	
31		29	b	apl		66	105	181	191	14	9/3/19	16:22	
32		30	s	win		55	57	55	55	13	10/30/19	15:02	
33		31	b	win		61	71	11	12	15	10/10/19	14:09	
34		33	b	apl		239	244	205	226	14	9/7/19	15:15	
35		34	b	win		172	195	292	293	14	10/19/19	16:47	
36		35	b	apl		83	145	322	368	11	10/28/19	15:27	
37		36	s	win		25	28	27	27	24	9/7/19	11:38	
38		37	b	apl		137	145	80	80	18	10/10/19	16:06	
39		38	b	win		68	175	169	170	16	10/5/19	10:26	
40		39	b	win		180	180	286	287	13	9/9/19	9:13	
41		40	b	win		313	313	89	92	16	9/8/19	10:26	
42		41	b	win		27	34	26	28	27	10/13/19	13:20	
43		42	s	win		3	3	4	5	19	10/17/19	14:06	
44		43	s	win		71	81	104	105	16	10/17/19	13:57	
45		44	b	win		48	14	49	16	24	9/7/19	23:11	
46		45	b	win		142	169	340	367	15	10/19/19	22:25	
47		46	s	apl		78	83	57	60	14	10/1/19	18:15	
48		47	s	apl		161	202	450	478	17	9/3/19	11:33	
49		48	s	apl		84	193	146	146	15	10/5/19	15:12	
50		49	s	win		316	324	414	431	15	9/30/19	11:38	
51		52	s	win		412	413	414	439	14	9/7/19	14:12	
52		53	s	win		175	185	327	384	13	9/7/19	10:05	
53		58	b	apl		68	94	200	210	15	10/15/19	9:34	
54													
55						412	413	450	478	29	= Maximum		
56						3	3	4	5	11	= Minimum		

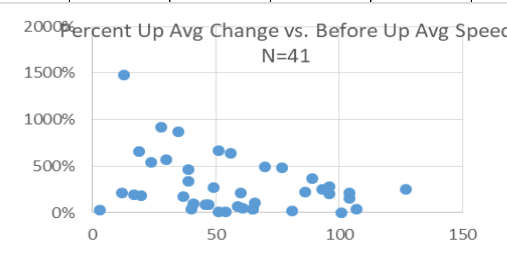
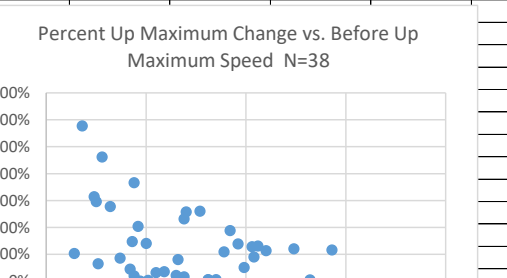
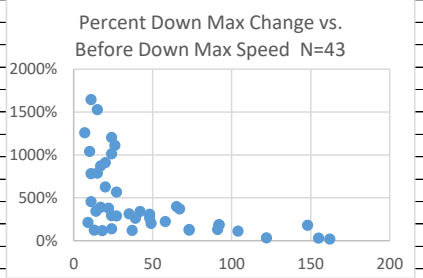
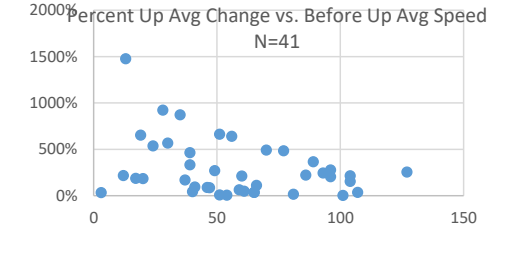
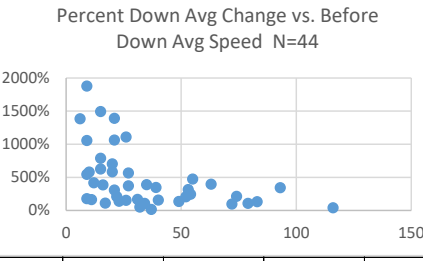
	A	B	C	D	E	F	G	H	I	J	K	L	M	
1			Exhibit 3		Delta: After Speed Values Minus Before Speed Values							Exhibit 3		
2						t=	7.66	8.69	6.15	5.96	0.04			
3				Absolute Changes		Std Dev	87.8	85.0	125.7	133.2	7.2			
4			49			Mean	96.0	105.6	110.5	113.4	0.0			
5			Member	S/B	Sys	Link	DownAv	DownMax	UpAv	UpMax	latency			
6			1	s	apl	cbl	108	39	127	102	10			
7			2	s	win	cbl	251	248	23	10	3			
8			3	b	win	cbl	133	129	-18	-19	6			
9			4	s	win	cbl	168	117	358	301	2			
10			5	b	win	cbl	86	170	266	267	5			
11			6	s	win	wls	58	86	73	107	-1			
12			7	b	win	wls	288	289	41	36	-3			
13			8	b	apl	wls	65	83	124	148	2			
14			9	b	win	cbl	223	243	30	29	1			
15			10	s	apl	cbl	67	89	338	320	-4			
16			11	s	win	wls	100	102	161	251	4			
17			12	s	win	wls	50	48	17	18	0			
18			13	b	win	wls	49	50	26	29	3			
19			14	s	win	wls	118	118	129	151	8			
20			15	b	apl	wls	63	99	192	195	1			
21			16	s	win	wls	95	104	37	43	2			
22			17	s	win	wls	19	21	-5	1	1			
23			18	b	apl	wls	94	148	181	188	-3			
24			21	b	win	wls	158	170	12	11	-2			
25			22	s	win	wls	6	-4	-33	-61	2			
26			23	b	win	wls	83	88	63	64	-35			
27			24	s	apl	wls	141	182	373	401	2			
28			25	b	apl	wls	109	119	41	9	1			
29			26	b	win	wls	18	16	37	34	6			
30			27	s	win	cbl	169	181	0	-2	-2			
31			28	b	win	cbl	-54	-51	-44	-49	4			
32			29	b	apl	wls	40	78	132	141	-1			
33			30	s	win	cbl	32	33	4	4	0			
34			31	b	win	cbl	-14	-15	-70	-71	0			
35			33	b	apl	cbl	224	229	192	208	-1			
36			34	b	win	cbl	137	147	196	189	-2			
37			35	b	apl	cbl	52	110	229	265	-4			
38			36	s	win	wls	16	19	-3	-3	8			
39			37	b	apl	wls	117	125	39	38	1			
40			38	b	win	wls	34	127	130	127	2			
41			39	b	win	wls	153	153	258	259	-2			
42			40	b	win	wls	292	289	24	23	-25			
43			41	b	win	cbl	-5	-4	-35	-33	12			
44			42	s	win	wls	0	-1	1	0	2			
45			43	s	win	cbl	37	44	3	-3	3			
46			44	b	win	cbl	16	-22	32	-4	10			
47			45	b	win	wls	70	96	305	323	1			
48			46	s	apl	cbl	62	66	3	-1	-1			
49			47	s	apl	wls	45	47	323	335	2			
50			48	s	apl	wls	-31	31	39	14	0			
51			49	s	win	wls	261	259	344	361	1			
52			52	s	win	cbl	319	265	325	347	-1			
53			53	s	win	cbl	136	143	223	278	-1			
54			58	b	apl	wls	46	70	170	178	-5			
55														
56							319	289	373	401	12	= Maximum		
57							-54	-51	-70	-71	-35	= Minimum		
58														
59											Mbit Speed			
60											Change	N	Percent	
61	Less than	1	5	6	8	11	5	6	8	11	-71 - 0	30	15.3%	
62		50	18	16	25	25	13	10	17	14	1 - 50	54	27.6%	
63		100	30	25	27	26	12	9	2	1	51 - 100	24	12.2%	
64		150	38	37	32	31	8	12	5	5	101 - 150	30	15.3%	
65		200	42	42	38	36	4	5	6	5	151 - 200	20	10.2%	
66		300	48	49	42	42	6	7	4	6	201 - 300	23	11.7%	
67		401	49	49	49	49	1	0	7	7	301 - 401	15	7.7%	
68												196	100.0%	

	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	Exhibit 4		(After Speed Values Minus Before Speed Values)/Before Speed Values -1														Exhibit 4
2				t=	6.46	6.59	5.46	5.41	1.76								
3	Percent Change			Std D	444.9%	429.0%	306.3%	270.2%	27.6%								
4	49			Mea	410.6%	404.1%	239.0%	208.8%	6.9%	%<=0							
5	Member	S/B	Sys		DownAv	DownMax	UpAv	UpMax	Latency		s	apl		Down Avg	s	intercept	
6	1	s	apl		208%	32%	212%	103%	0%		1	1		Coefficient	-0.388	4.288	
7	2	s	win		398%	370%	35%	12%	23%		1	0		Std. Error Coeff.	1.286	0.881	
8	3	b	win		246%	222%	-19%	-20%	43%	2	0	0		R^2, Est. Error.	0.002	4.491	
9	4	s	win		317%	113%	639%	243%	14%		1	0		F, df	0.09	47	
10	5	b	win		109%	185%	277%	278%	42%		0	0		Ssreg, Ssresid	1.83	948.06	
11	6	s	win		580%	782%	111%	162%	-6%		1	0		t-stat =	-0.301504		
12	7	b	win		1108%	1112%	87%	65%	-16%		0	0					
13	8	b	apl		310%	377%	653%	592%	13%		0	1					
14	9	b	win		1062%	1013%	49%	45%	7%		0	0					
15	10	s	apl		137%	122%	663%	464%	-20%		1	1		Down Avg	apl	intercept	
16	11	s	win		370%	262%	155%	228%	31%		1	0		Coefficient	-0.223	4.081	
17	12	s	win		417%	343%	43%	41%	0%		1	0		Std. Error Coeff.	1.643	0.911	
18	13	b	win		544%	455%	217%	207%	19%		0	0		R^2, Est. Error.	0.000	4.736	
19	14	s	win		787%	787%	538%	629%	57%		1	0		F, df	0.02	37	
20	15	b	apl		158%	202%	223%	219%	6%		0	1		Ssreg, Ssresid	0.41	829.92	
21	16	s	win		1056%	1040%	63%	73%	15%		1	0		t-stat =	-0.135807		
22	17	s	win		112%	117%	-11%	2%	6%	2	1	0					
23	18	b	apl		627%	871%	464%	409%	-17%		0	1					
24	21	b	win		214%	185%	15%	13%	-10%		0	0		Down Avg	s	apl	intercept
25	22	s	win		16%	-8%	-55%	-60%	14%	3	1	0		Coefficient	-0.888	-0.463395	4.5956814
26	23	b	win		1383%	1257%	170%	173%	-71%		0	0		Std. Error Coeff.	1.4071415	1.299488	1.0115012
27	24	s	apl		705%	910%	484%	521%	13%		1	1		R^2, Est. Error.	0.0105059	4.5202759	#N/A
28	25	b	apl		131%	131%	89%	11%	6%		0	1		F, df	0.2442008	46	#N/A
29	26	b	win		164%	123%	185%	131%	35%		0	0		Ssreg, Ssresid	9.9794571	939.91314	#N/A
30	27	s	win		1878%	1645%	0%	-11%	-6%		1	0		t-stat =	-0.631395	-0.356598	
31	28	b	win		-76%	-71%	-42%	-45%	31%	4	0	0					
32	29	b	apl		154%	289%	269%	282%	-7%		0	1					
33	30	s	win		139%	138%	8%	8%	0%		1	0					
34	31	b	win		-19%	-17%	-86%	-86%	0%	4	0	0					
35	33	b	apl		1493%	1527%	1477%	1156%	-7%		0	1					
36	34	b	win		391%	306%	204%	182%	-13%		0	0					
37	35	b	apl		168%	314%	246%	257%	-27%		0	1					
38	36	s	win		178%	211%	-10%	-10%	50%		1	0					
39	37	b	apl		585%	625%	95%	90%	6%		0	1					
40	38	b	win		100%	265%	333%	295%	14%		0	0					
41	39	b	win		567%	567%	921%	925%	-13%		0	0					
42	40	b	win		1390%	1204%	37%	33%	-61%		0	0					
43	41	b	win		-16%	-11%	-57%	-54%	80%	4	0	0					
44	42	s	win		0%	-25%	33%	0%	12%	3	1	0					
45	43	s	win		109%	119%	3%	-3%	23%	1	1	0					
46	44	b	win		50%	-61%	188%	-20%	71%		0	0					
47	45	b	win		97%	132%	871%	734%	7%		0	0					
48	46	s	apl		388%	388%	6%	-2%	-7%		1	1					
49	47	s	apl		39%	30%	254%	234%	13%		1	1					
50	48	s	apl		-27%	19%	36%	11%	0%		1	1					
51	49	s	win		475%	398%	491%	516%	7%		1	0					
52	52	s	win		343%	179%	365%	377%	-7%		1	0					
53	53	s	win		349%	340%	214%	262%	-7%		1	0					
54	58	b	apl		209%	292%	567%	556%	-25%		0	1					
55																	
56					1878%	1645%	1477%	1156%		8							
57					-76%	-71%	-86%	-86%		23							

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	Excel CMD: =LINEST(D2:D46,E2:E46,TRUE,TRUE)							Calculate: Cntl+Shift+Enter							Exhibit 5, Page 1					
2	Download Average							Download Maximum							Percent Speed Changes					
3	B4Speed		% Delta	Intercept			B4Speed		% Delta	Intercept			Download		Download					
4	Coefficient		-0.079	7.368			Coefficient		-0.091	8.272			Average		Maximum					
5	Std. Error Coeff.		0.024	1.019			Std. Error Coeff.		0.026	1.066			761%		817%					
6	R^2, Est. Error.		0.212	3.977			R^2, Est. Error.		0.255	3.730			237%		223%					
7	F, df		11.27	42			F, df		11.97	35			3.2		3.7					
8	Ssreg, Ssresid		178.27	664.43			Ssreg, Ssresid		166.57	486.97										
9	n		t-stat =	-3.35691	7.233374			n		t-stat =	-3.46	7.757431								
10	1	52	208%	1383%	6	23	1	32%	122	1257%	7	23	1							
11	2	63	398%	544%	9	13	2	370%	67	211%	9	36	2							
12	3	54	246%	1056%	9	16	3	222%	58	1040%	10	16	3							
13	4	53	317%	1878%	9	27	4	113%	104	782%	11	6	4							
14	5	79	109%	178%	9	36	5	185%	92	455%	11	13	5							
15	6	10	580%	580%	10	6	6	782%	11	1645%	11	27	6							
16	7	26	1108%	164%	11	26	7	1112%	26	123%	13	26	7							
17	8	21	310%	417%	12	12	8	377%	22	343%	14	12	8							
18	9	21	1062%	787%	15	14	9	1013%	24	787%	15	14	9							
19	10	49	137%	627%	15	18	10	122%	73	1527%	15	33	10							
20	11	27	370%	1493%	15	33		262%	39	871%	17	18								
21	12	12	417%	388%	16	46		343%	14	388%	17	46								
22	13	9	544%	112%	17	17		455%	11	117%	18	17								
23	14	15	787%	705%	20	24		787%	15	910%	20	24								
24	15	40	158%	585%	20	37		202%	49	625%	20	37								
25	16	9	1056%	310%	21	8		1040%	10	377%	22	8								
26	17	17	112%	1062%	21	9		117%	18	1013%	24	9								
27	18	15	627%	1390%	21	40		871%	17	138%	24	30								
28	21	74	214%	209%	22	58		185%	92	1204%	24	40								
29	22	37	16%	139%	23	30		-8%	51	292%	24	58								
30	23	6	1383%	1108%	26	7		1257%	7	1112%	26	7								
31	24	20	705%	154%	26	29		910%	20	289%	27	29								
32	25	83	131%	370%	27	11		131%	91	567%	27	39								
33	26	11	164%	567%	27	39		123%	13	314%	35	35								
34	27	9	1878%	168%	31	35		1645%	11	119%	37	43								
35	28	71	-76%	50%	32	44		-71%	72	262%	39	11								
36	29	26	154%	100%	34	38		289%	27	340%	42	53								
37	30	23	139%	109%	34	43		138%	24	306%	48	34								
38	31	75	-19%	391%	35	34		-17%	86	265%	48	38								
39	33	15	1493%	16%	37	22		1527%	15	202%	49	15								
40	34	35	391%	349%	39	53		306%	48	222%	58	3								
41	35	31	168%	158%	40	15		314%	35	398%	65	49								
42	36	9	178%	137%	49	10		211%	9	370%	67	2								
43	37	20	585%	208%	52	1		625%	20	122%	73	10	1							
44	38	34	100%	317%	53	4	1	265%	48	132%	73	45	2							
45	39	27	567%	246%	54	3	2	567%	27	131%	91	25	3							
46	40	21	1390%	475%	55	49	3	1204%	24	185%	92	5	4							
47	41	32	-16%	398%	63	2	4	-11%	38	185%	92	21	5							
48	42	3	0%	97%	72	45	5	-25%	4	113%	104	4	6							
49	43	34	109%	214%	74	21	6	119%	37	32%	122	1	7							
50	44	32	50%	109%	79	5	7	-61%	36	179%	148	52	8							
51	45	72	97%	131%	83	25	8	132%	73	30%	155	47	9							
52	46	16	388%	343%	93	52	9	388%	17	19%	162	48	10							
53	47	116	39%	39%	116	47	10	30%	155											
54	48	115	-27.0%					19%	162											
55	49	55	474.5%					398%	65											
56	52	93	343.0%					179%	148											
57	53	39	348.7%					340%	42											
58	58	22	209.1%					292%	24											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q		
1	Excel CMD:		=LINEST(D2:D46,E2:E46,TRUE,TRUE)					Calculate: Cntl+Shift+Enter					Exhibit 5, Page 2						
2	Upload Average							Upload Maximum					Percent Speed Changes						
3	B4Speed		% Delta	Intercept			B4Speed					% Delta	Intercept			Upload	Upload		
4	Coefficient		-0.034	4.870			Coefficient					-0.031	4.822			Average	Maximum		
5	Std. Error Coeff.		0.015	0.981			Std. Error Coeff.					0.013	0.934			529%	459%		10 Slowest Before Up Speeds
6	R^2, Est. Error.		0.114	2.930			R^2, Est. Error.					0.142	2.536			198%	218%		10 Fastest Before Up Speeds
7	F, df		5.03	39			F, df					5.97	36			2.7	2.1		Ratios Slowest/Fastest
8	Ssreg, Ssresid		43.17	334.71			Ssreg, Ssresid					38.43	231.54						
9	n	t-stat =	-2.242695	4.966094			t-stat =					-2.44436	5.165001						
10	1	60	212%	33%			3	1	103	103%	207%	14	1						
11	2	65	35%	217%			12	2	30	12%	1156%	18	2						
12	3	93	-19%	1477%			13	3	42	-20%	629%	24	3						
13	4	56	639%	188%			17	4	43	243%	592%	25	4						
14	5	96	277%	653%			19	5	28	278%	131%	26	5						
15	6	66	111%	185%			20	6	69	162%	925%	28	6						
16	7	47	87%	538%			24	7	61	65%	556%	32	7						
17	8	19	653%	921%			28	8	5	592%	173%	37	8						
18	9	61	49%	567%			30	9	108	45%	90%	42	9						
19	10	51	663%	871%			35	10	20	464%	295%	43	10						
20	11	104	155%	170%			37		110	228%	41%	44							
21	12	40	43%	464%			39		44	41%	734%	44							
22	13	12	217%	333%			39		14	207%	409%	46							
23	14	24	538%	43%			40		24	629%	2%	47							
24	15	86	223%	95%			41		89	219%	282%	50							
25	16	59	63%	89%			46		59	73%	8%	51							
26	17	44	-11%	87%			47		47	2%	65%	55							
27	18	39	464%	269%			49		46	409%	73%	59							
28	21	81	15%	663%			51		85	13%	45%	65							
29	22	60	-55%	8%			51		101	-60%	162%	66							
30	23	37	170%	6%			54		37	173%	464%	69							
31	24	77	484%	639%			56		77	521%	33%	69							
32	25	46	89%	63%			59		81	11%	516%	70							
33	26	20	185%	212%			60		26	131%	521%	77							
34	27	12	0%	49%			61		18	-11%	12%	81							
35	28	104	-42%	35%			65		109	-45%	11%	81							
36	29	49	269%	37%			65		50	282%	13%	85							
37	30	51	8%	111%			66		51	8%	219%	89							
38	31	81	-86%	491%			70		83	-86%	377%	92	1						
39	33	13	1477%	484%			77		18	1156%	278%	96	2						
40	34	96	204%	15%			81		104	182%	103%	99	3						
41	35	93	246%	223%			86	1	103	257%	257%	103	4						
42	36	30	-10%	365%			89	2	30	-10%	182%	104	5						
43	37	41	95%	246%			93	3	42	90%	262%	106	6						
44	38	39	333%	277%			96	4	43	295%	228%	110	7						
45	39	28	921%	204%			96	5	28	925%	243%	124	8						
46	40	65	37%	3%			101	6	69	33%	11%	132	9						
47	41	61	-57%	155%			104	7	61	-54%	234%	143	10						
48	42	3	33%	214%			104	8	5	0%									
49	43	101	3%	36%			107	9	108	-3%									
50	44	17	188%	254%			127	10	20	-20%									
51	45	35	871%						44	734%									
52	46	54	6%						61	-2%									
53	47	127	254%						143	234%									
54	48	107	36%						132	11%									
55	49	70	491%						70	516%									
56	52	89	365%						92	377%									
57	53	104	214%						106	262%									
58	58	30	567%						32	556%									

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	6	1383%						7	1257%							3	33%	14	207%	
2	9	544%						9	211%							12	217%	18	1156%	
3	9	1056%						10	1040%							13	1477%	24	629%	
4	9	1878%						11	1645%							17	188%	25	592%	
5	9	178%						11	782%							19	653%	26	131%	
6	10	580%						11	455%							20	185%	28	925%	
7	11	164%						13	123%							24	538%	32	556%	
8	12	417%						14	343%							28	921%	37	173%	
9	15	787%						15	1527%							30	567%	42	90%	
10	15	627%						15	787%							35	871%	43	295%	
11	15	1493%						17	871%							37	170%	44	41%	
12	16	388%						17	388%							39	464%	44	734%	
13	17	112%						18	117%							39	333%	46	409%	
14	20	705%						20	910%							40	43%	47	2%	
15	20	585%						20	625%							41	95%	50	282%	
16	21	310%						22	377%							46	89%	51	8%	
17	21	1062%						24	1204%							47	87%	55	65%	
18	21	1390%						24	1013%							49	269%	59	73%	
19	22	209%						24	292%							51	663%	65	45%	
20	23	139%						24	138%							51	8%	66	162%	
21	26	1108%						26	1112%							54	6%	69	464%	
22	26	154%						27	567%							56	639%	69	33%	
23	27	370%						27	289%							59	63%	70	516%	
24	27	567%						35	314%							60	212%	77	521%	
25	31	168%						37	119%							61	49%	81	12%	
26	32	50%						39	262%							65	35%	81	11%	
27	34	100%						42	340%							65	37%	85	13%	
28	34	109%						48	306%							66	111%	89	219%	
29	35	391%						48	265%							70	491%	92	377%	
30	37	16%						49	202%							77	484%	96	278%	
31	39	349%						58	222%							81	15%	99	103%	
32	40	158%						65	398%							86	223%	103	257%	
33	49	137%						67	370%							89	365%	104	182%	
34	52	208%						73	132%							93	246%	106	262%	
35	53	317%						73	122%							96	277%	110	228%	
36	54	246%						91	131%							96	204%	124	243%	
37	55	475%						92	185%							101	3%	132	11%	
38	63	398%						92	185%							104	155%	143	234%	
39	72	97%						104	113%							104	214%			
40	74	214%						122	32%							107	36%			
41	79	109%						148	179%							127	254%			
42	83	131%						155	30%								3%	Min		2%
43	93	343%						162	19%								1477%	max		1156%
44	116	39%																		
45																				
46	33	8	=countif(30	11											
47	11		=countifs(11												
48	7																			



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	28	71	-76%								Aft	1	52	160		52	93	412	Exhibit 6
2	48	115	-27%	<200%		b<50						2	63	314		49	55	316	
3	31	75	-19%									3	54	187		2	63	314	
4	41	32	-16%									4	53	221		7	26	314	
5	42	3	0%						12	=# <200 & <50		5	79	165		40	21	313	
6	22	37	16%		1	1	2	1	22			6	10	68		9	21	244	
7	47	116	39%		1	0	1					7	26	314		33	15	239	
8	44	32	50%		1	1	2	1	44			8	21	86		21	74	232	
9	45	72	97%		1	0	1					9	21	244		4	53	221	
10	38	34	100%		1	1	2	1	38			10	49	116		25	83	192	
11	43	34	109%		1	1	2	1	43			11	27	127		3	54	187	
12	5	79	109%		1	0	1					12	12	62		39	27	180	
13	17	17	112%		1	1	2	1	17			13	9	58		27	9	178	
14	25	83	131%		1	0	1					14	15	133		53	39	175	
15	10	49	137%		1	1	2	1	10			15	40	103		34	35	172	
16	30	23	139%		1	1	2	1	30			16	9	104		5	79	165	
17	29	26	154%		1	1	2	1	29			17	17	36		24	20	161	
18	15	40	158%		1	1	2	1	15			18	15	109		47	116	161	
19	26	11	164%		1	1	2	1	26			21	74	232		1	52	160	
20	35	31	168%		1	1	2	1	35			22	37	43		45	72	142	
21	36	9	178%		1	1	2	1	36			23	6	89		37	20	137	
22	1	52	208%		0	0	0					24	20	161		14	15	133	
23	58	22	209%		0	1	1					25	83	192		11	27	127	
24	21	74	214%		0	0	0					26	11	29		10	49	116	
25	3	54	246%		0	0	0					27	9	178		18	15	109	
26	8	21	310%		0	1	1					28	71	17		16	9	104	
27	4	53	317%		0	0	0					29	26	66		15	40	103	
28	52	93	343%		0	0	0					30	23	55		23	6	89	
29	53	39	349%		0	1	1					31	75	61		8	21	86	
30	11	27	370%		0	1	1					33	15	239		48	115	84	
31	46	16	388%		0	1	1					34	35	172		35	31	83	
32	34	35	391%		0	1	1					35	31	83		46	16	78	
33	2	63	398%		0	0	0					36	9	25		43	34	71	
34	12	12	417%		0	1	1					37	20	137		6	10	68	
35	49	55	475%		0	0	0		#S>500& <50			38	34	68		38	34	68	
36	13	9	544%		0	1	1		13			39	27	180		58	22	68	
37	39	27	567%		0	1	1		39			40	21	313		29	26	66	
38	6	10	580%		0	1	1		6			41	32	27		12	12	62	
39	37	20	585%		0	1	1		37			42	3	3		31	75	61	
40	18	15	627%		0	1	1		18			43	34	71		13	9	58	
41	24	20	705%		0	1	1		24			44	32	48		30	23	55	
42	14	15	787%		0	1	1		14			45	72	142		44	32	48	
43	16	9	1056%		0	1	1		16			46	16	78		22	37	43	
44	9	21	1062%		0	1	1		9			47	116	161		17	17	36	
45	7	26	1108%		0	1	1		7			48	115	84		26	11	29	
46	23	6	1383%		0	1	1		23			49	55	316		41	32	27	
47	40	21	1390%		0	1	1		40			52	93	412		36	9	25	
48	33	15	1493%		0	1	1		33			53	39	175		28	71	17	
49	27	9	1878%		0	1	1		27			58	22	68		42	3	3	
50	Download Average									14		n	B/4	Aft					

93	412	52
55	316	49
63	314	2
26	314	7
21	313	40
21	244	9
15	239	33
74	232	21
53	221	4

Fastest Nine:	#1	#2	#3	#4	#5	#6	#7	#8	#9	Means	Std. Devs.
Before Mbps	93	55	63	26	21	21	15	74	53	46.8	27.43
After Mbps	412	316	314	314	313	244	239	232	221	289.4	61.32
Participant	52	49	2	7	40	9	33	21	4		
Mbps Increase	319	261	251	288	292	223	224	158	168	242.7	33.9
Ratios										6.2	2.2

All 49

Announced changes in OH Internet access include a major increase in the maximum speed available to OH members for browsing, e-mail, and other Web applications. The following is a simple way to measure actual before and after speeds experienced by some OH members using Windows or Apple computers.

The site chosen for this reports upload and download speeds plus other related data. It also has a simple-to-use procedure to report results so it will be possible, eventually, to compare OH members' results before and after the announced change. You can participate in this by doing these steps:

1. Turn on your computer, stop any internet activities. Enter "speedof.me" (no quotes) from the browser's URL field.
2. Some seconds later, the test software will open. Most of the window will look like this. →
3. Place your mouse on the "Start Test" field near the bottom left & LEFT click the mouse.
4. Download and upload tests will be run and shown (one result is on Page 2).
5. When completed, the results of the tests will be shown near the upper-left corner of the speedof.me window.



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Exhibit 7, 2

9. Your e-mail software on your computer should be started by the Email App choice. If it does, type `dicke@ufl.edu` in the "To" field of your e-mail address section. If your e-mail software does not open the speedof.me site does not support it or your implementation of it – for whatever reason. You may have to copy and paste your results into an e-mail you start yourself. If you have more than 1 e-mail system on your computer they will be listed: you will have to click on the one you want to use. And, if you are running e-mail at your server's site, e.g., an AOL mode, speedof.me will not return the desired data.

10. Scroll down in the addressed e-mail to AFTER the one test/message line starting "https://" and with `png`, an Internet link to your results. Type in windows OR apple for your micro device and the or `Wifi` for your communication mode.

IF the e-mail created has a 4-line address line, the result could be due to clicking on the plus "+" before Step 7 above. This is how speedof.me made the software. Run the test again starting with that field. That field will likely have "Test Again" in it. Continue again through the steps.

11. Click on your e-mail Send/Deliver/etc., button or icon to have your results sent to `dicke@ufl.edu`

After the GRU rollout of the upgraded speed is completed, you will be asked again to run the test on speedof.me. These and your before test results will be added to an Excel spreadsheet. You will be able to review the entries in it by logging into a secured site and opening the file "b4&aft.xls". The following is from my Dell 3010 running Windows 10 with a cable connection.



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Almost all upgrades to the OH Internet access system have been completed. Some equipment in atrium end units are still to be completed. The results of speed tests by 60 members from A through July 21, 2018 can be accessed at <http://plaza.ufl.edu/dicke/ohbe4sample.xlsx>. It now shows the alphabetic day of the week and time of day of the test results you sent in Columns 2 and 3. It also shows a member participation number, Column 1, in a prior email. That number is in the upper-right corner under your OH unit number.

The testing site has a new view, so the site name has "/old" added as shown in 1. below. Please do a second test on the week day and hour also shown in the upper-right corner of this page. Read [before starting](#).

1. Open your computer's browser & stop any Internet activities. In the Web site field, type speedof.me/old and press Enter or Return.
2. Some seconds later, the test software will open. Most of the window will look like this: -->
3. Place your mouse on the "Start Test" field near the bottom left & LEFT click the mouse.
4. Download & upload tests will be displayed.
5. When completed, the results of the tests will be shown near the upper-left corner of the speedof.me window.
6. Place the mouse on the white field with



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pril 26, 2018

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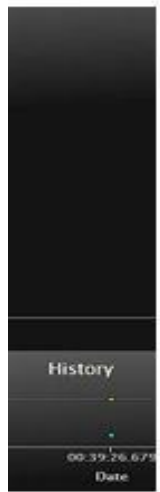


Exhibit 8 Page

Below your test location line, type in your system type, Windows or Apple, your connectivity Cable, and whether you have made hardware changes since the first test, Yes or No. If you the latter, you will be contacted to get information on your changes.

If your e-mail software does not open, the speedof.me site does not support it or your of it – for whatever reason. You may be able to copy and paste your results into an e-mail yourself. If you have more than one e-mail system on your computer they will be listed: you click on the one you want to use. If you are running email at your server's site, e.g., an AOL speedof.me will not return the desired information.

And, since you participated in the "Before" speed tests, the UF has added a new email application (Proofpoint). This may result in your email being rejected when opening is attempted cases, the application will give the option of rejecting any email from your mail server. If you intercepted by the application in any way, you will be contacted directly.

10. Click on your e-mail Send/Deliver/etc., button or icon to have your results sent to dicke

When all "After" tests are completed, a second spreadsheet will be created and placed so all participants can see all results. Then, a detail statistical analysis of the Before and After undertaken and the implications for better service will be placed on the Web site.

SanDisk 32GB\b4&aft\both\ohaftsurvey.docx
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Last Update (

2 of 2

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