

## Your performance WILL vary

Worker count = 1

8/26/2013

Note: High IO rates/transfers at 100% seq, 100% read may be locality of reference of drive level cache

STX Momentus XT HHDD 2.5" 7.2K 500GB (External Raw LSI SAS HBAOffset: 64KB)

Test / Step information section					Reads			Writes			Totals (R+W)		Overall Averages (R+W)		
IO Size	Test Step	Pattern	Total Run Time Sec (with pauses)	Test Time Sec	Total Reads	Total Read KB	Avg Read Resp	Total Writes	Total Write KB	Avg Write Resp	Total IO (R+W)	Total KB (R+W)	Momentus XT 2.5" 7.2K HHDD Avg Resp (R+W)	Momentus XT 2.5" 7.2K HHDD IOP Sec (R+W)	Momentus XT 2.5" 7.2K HHDD Bandwidth KB Sec (R+W)
4KB	1	100% Seq 100% Read	480	300	6234466	24937864	0.05	0	0	0	6234466	24937864	0.05	20781	83,126
4KB	2	60% Seq 100% Read	480	300	42,842	171,368.0	7.0	-	-	-	42,842	171,368.0	7.0	142	571
4KB	3	30% Seq 100% Read	480	300	24,765	99,060.0	12.1	-	-	-	24,765	99,060.0	12.1	82	330
4KB	4	0% Seq 100% Read	480	300	17,446	69,784.0	17.2	-	-	-	17,446	69,784.0	17.2	58	232
4KB	5	100% Seq 60% Read	480	300	50,078	200,312.0	0.0	33,556	134,224.0	8.9	83,634	334,536.0	3.6	278	1,115
4KB	6	60% Seq 60% Read	480	300	15,597	62,388.0	6.7	10,418	41,672.0	18.7	26,015	104,060.0	11.5	86	346
4KB	7	30% Seq 60% Read	480	300	10,924	43,696.0	12.4	7,139	28,556.0	23.0	18,063	72,252.0	16.6	60	240
4KB	8	0% Seq 60% Read	480	300	9,331	37,324.0	17.0	6,306	25,224.0	22.4	15,637	62,548.0	19.2	52	208
4KB	9	100% Seq 30% Read	480	300	14,735	58,940.0	0.0	34,004	136,016.0	8.8	48,739	194,956.0	6.2	162	649
4KB	10	60% Seq 30% Read	480	300	6,446	25,784.0	6.7	14,958	59,832.0	17.2	21,404	85,616.0	14.0	71	285
4KB	11	30% Seq 30% Read	480	300	5,139	20,556.0	11.9	11,385	45,540.0	21.0	16,524	66,096.0	18.2	55	220
4KB	12	0% Seq 30% Read	480	300	4,421	17,684.0	16.9	10,314	41,256.0	21.8	14,735	58,940.0	20.4	49	196
4KB	13	100% Seq 0% Read	480	300	-	-	-	34,867	139,468.0	8.6	34,867	139,468.0	8.6	116	464
4KB	14	60% Seq 0% Read	480	300	-	-	-	19,038	76,152.0	15.8	19,038	76,152.0	15.8	63	253
4KB	15	30% Seq 0% Read	480	300	-	-	-	14,351	57,404.0	20.9	14,351	57,404.0	20.9	47	191
4KB	16	0% Seq 0% Read	480	300	-	-	-	14,559	58,236.0	20.6	14,559	58,236.0	20.6	48	194

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STX Momentus XT HHDD 2.5" 7.2K 500GB (External Raw LSI SAS HBA)

Test / Step information section					Reads			Writes			Totals (R+W)		Overall Averages (R+W)		
IO Size	Test Step	Pattern	Total Run Time Sec (with pauses)	Test Time Sec	Total Reads	Total Read KB	Avg Read Resp	Total Writes	Total Write KB	Avg Write Resp	Total IO (R+W)	Total KB (R+W)	Momentus XT 2.5" 7.2K HHDD Avg Resp (R+W)	Momentus XT 2.5" 7.2K HHDD IOP Sec (R+W)	Momentus XT 2.5" 7.2K HHDD Bandwidth KB Sec (R+W)
8KB	18	100% Seq 100% Read	480	300	3283472	26267776	0.09	0	0	0	3283472	26267776	0.09	10944	87,559
8KB	19	60% Seq 100% Read	480	300	41,834	334,672.0	7.2	-	-	-	41,834	334,672.0	7.2	139	1,115
8KB	20	30% Seq 100% Read	480	300	24,795	198,360.0	12.1	-	-	-	24,795	198,360.0	12.1	82	661
8KB	21	0% Seq 100% Read	480	300	17,357	138,856.0	17.3	-	-	-	17,357	138,856.0	17.3	57	462
8KB	22	100% Seq 60% Read	480	300	47,699	381,592.0	0.0	31,566	252,528.0	9.5	79,265	634,120.0	3.8	264	2,113
8KB	23	60% Seq 60% Read	480	300	15,562	124,496.0	6.7	10,483	83,864.0	18.7	26,045	208,360.0	11.5	86	694
8KB	24	30% Seq 60% Read	480	300	11,196	89,568.0	12.0	7,505	60,040.0	22.0	18,701	149,608.0	16.0	62	498
8KB	25	0% Seq 60% Read	480	300	9,301	74,408.0	17.1	6,117	48,936.0	23.1	15,418	123,344.0	19.5	51	411
8KB	26	100% Seq 30% Read	480	300	14,762	118,096.0	0.0	34,281	274,248.0	8.7	49,043	392,344.0	6.1	163	1,307
8KB	27	60% Seq 30% Read	480	300	6,430	51,440.0	6.7	15,151	121,208.0	17.0	21,581	172,648.0	13.9	71	575
8KB	28	30% Seq 30% Read	480	300	5,010	40,080.0	11.9	11,656	93,248.0	20.6	16,666	133,328.0	18.0	55	444
8KB	29	0% Seq 30% Read	480	300	4,439	35,512.0	17.1	10,149	81,192.0	22.1	14,588	116,704.0	20.6	48	389
8KB	30	100% Seq 0% Read	480	300	-	-	-	35,273	282,184.0	8.5	35,273	282,184.0	8.5	117	940
8KB	31	60% Seq 0% Read	480	300	-	-	-	18,056	144,448.0	16.6	18,056	144,448.0	16.6	60	481
8KB	32	30% Seq 0% Read	480	300	-	-	-	15,063	120,504.0	19.9	15,063	120,504.0	19.9	50	401
8KB	33	0% Seq 0% Read	480	300	-	-	-	14,463	115,704.0	20.7	14,463	115,704.0	20.7	48	385
8KB															

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STX Momentus XT HHDD 2.5" 7.2K 500GB (External Raw LSI SAS HBA)

Test / Step information section					Reads			Writes			Totals (R+W)		Overall Averages (R+W)		
IO Size	Test Step	Pattern	Total Run Time Sec (with pauses)	Test Time Sec	Total Reads	Total Read KB	Avg Read Resp	Total Writes	Total Write KB	Avg Write Resp	Total IO (R+W)	Total KB (R+W)	Momentus XT 2.5" 7.2K HHDD Avg Resp (R+W)	Momentus XT 2.5" 7.2K HHDD IOP Sec (R+W)	Momentus XT 2.5" 7.2K HHDD Bandwidth KB Sec (R+W)
16KB	35	100% Seq 100% Read	480	300	1645208	26323328	0.18	0	0	0	1645208	26323328	0.18	5484	87,744
16KB	36	60% Seq 100% Read	480	300	40,624	649,984.0	7.4	-	-	-	40,624	649,984.0	7.4	135	2,166
16KB	37	30% Seq 100% Read	480	300	24,168	386,688.0	12.4	-	-	-	24,168	386,688.0	12.4	80	1,288
16KB	38	0% Seq 100% Read	480	300	17,183	274,928.0	17.5	-	-	-	17,183	274,928.0	17.5	57	916
16KB	39	100% Seq 60% Read	480	300	45,699	731,184.0	0.0	30,405	486,480.0	9.8	76,104	1,217,664.0	3.9	253	4,058
16KB	40	60% Seq 60% Read	480	300	14,668	234,688.0	7.1	9,714	155,424.0	20.2	24,382	390,112.0	12.3	81	1,300
16KB	41	30% Seq 60% Read	480	300	11,357	181,712.0	12.2	7,438	119,008.0	21.8	18,795	300,720.0	16.0	62	1,002
16KB	42	0% Seq 60% Read	480	300	9,196	147,136.0	17.4	6,180	98,880.0	22.7	15,376	246,016.0	19.5	51	820
16KB	43	100% Seq 30% Read	480	300	13,899	222,384.0	0.0	32,985	527,760.0	9.1	46,884	750,144.0	6.4	156	2,500
16KB	44	60% Seq 30% Read	480	300	6,027	96,432.0	7.2	13,781	220,496.0	18.6	19,808	316,928.0	15.1	66	1,056
16KB	45	30% Seq 30% Read	480	300	4,879	78,064.0	12.0	11,595	185,520.0	20.8	16,474	263,584.0	18.2	54	878
16KB	46	0% Seq 30% Read	480	300	4,378	70,048.0	17.1	10,102	161,632.0	22.3	14,480	231,680.0	20.7	48	772
16KB	47	100% Seq 0% Read	480	300	-	-	-	34,989	559,824.0	8.6	34,989	559,824.0	8.6	116	1,866
16KB	48	60% Seq 0% Read	480	300	-	-	-	18,434	294,944.0	16.3	18,434	294,944.0	16.3	61	983
16KB	49	30% Seq 0% Read	480	300	-	-	-	14,866	237,856.0	20.2	14,866	237,856.0	20.2	49	792
16KB	50	0% Seq 0% Read	480	300	-	-	-	14,284	228,544.0	21.0	14,284	228,544.0	21.0	47	761

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STX Momentus XT HHDD 2.5" 7.2K 500GB (External Raw LSI SAS HBA)

Test / Step information section					Reads			Writes			Totals (R+W)		Overall Averages (R+W)		
IO Size	Test Step	Pattern	Total Run Time Sec (with pauses)	Test Time Sec	Total Reads	Total Read KB	Avg Read Resp	Total Writes	Total Write KB	Avg Write Resp	Total IO (R+W)	Total KB (R+W)	Momentus XT 2.5" 7.2K HHDD Avg Resp (R+W)	Momentus XT 2.5" 7.2K HHDD IOP Sec (R+W)	Momentus XT 2.5" 7.2K HHDD Bandwidth KB Sec (R+W)
32KB	52	100% Seq 100% Read	480	300	833908	26685056	0.36	0	0	0	833908	26685056	0.36	2779	88,950
32KB	53	60% Seq 100% Read	480	300	38,228	1,223,296.0	7.8	-	-	-	38,228	1,223,296.0	7.8	127	4,077
32KB	54	30% Seq 100% Read	480	300	23,492	751,744.0	12.8	-	-	-	23,492	751,744.0	12.8	78	2,505
32KB	55	0% Seq 100% Read	480	300	16,910	541,120.0	17.7	-	-	-	16,910	541,120.0	17.7	56	1,803
32KB	56	100% Seq 60% Read	480	300	38,000	1,216,000.0	0.2	25,259	808,288.0	11.6	63,259	2,024,288.0	4.7	210	6,747
32KB	57	60% Seq 60% Read	480	300	14,990	479,680.0	6.9	10,011	320,352.0	19.6	25,001	800,032.0	12.0	83	2,666
32KB	58	30% Seq 60% Read	480	300	10,429	333,728.0	12.8	7,061	225,952.0	23.6	17,490	559,680.0	17.2	58	1,865
32KB	59	0% Seq 60% Read	480	300	9,067	290,144.0	17.6	6,039	193,248.0	23.2	15,106	483,392.0	19.9	50	1,611
32KB	60	100% Seq 30% Read	480	300	12,998	415,936.0	0.0	30,615	979,680.0	9.8	43,613	1,395,616.0	6.9	145	4,652
32KB	61	60% Seq 30% Read	480	300	5,933	189,856.0	7.3	13,706	438,592.0	18.7	19,639	628,448.0	15.3	65	2,094
32KB	62	30% Seq 30% Read	480	300	4,495	143,840.0	12.9	10,631	340,192.0	22.8	15,126	484,032.0	19.8	50	1,613
32KB	63	0% Seq 30% Read	480	300	4,354	139,328.0	17.5	10,046	321,472.0	22.3	14,400	460,800.0	20.8	48	1,536
32KB	64	100% Seq 0% Read	480	300	-	-	-	34,412	1,101,184.0	8.7	34,412	1,101,184.0	8.7	114	3,670
32KB	65	60% Seq 0% Read	480	300	-	-	-	17,020	544,640.0	17.6	17,020	544,640.0	17.6	56	1,815
32KB	66	30% Seq 0% Read	480	300	-	-	-	15,322	490,304.0	19.6	15,322	490,304.0	19.6	51	1,634
32KB	67	0% Seq 0% Read	480	300	-	-	-	14,064	450,048.0	21.3	14,064	450,048.0	21.3	46	1,500

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STX Momentus XT HHDD 2.5" 7.2K 500GB (External Raw LSI SAS HBA)

Test / Step information section					Reads			Writes			Totals (R+W)		Overall Averages (R+W)		
IO Size	Test Step	Pattern	Total Run Time Sec (with pauses)	Test Time Sec	Total Reads	Total Read KB	Avg Read Resp	Total Writes	Total Write KB	Avg Write Resp	Total IO (R+W)	Total KB (R+W)	Momentus XT 2.5" 7.2K HHDD Avg Resp (R+W)	Momentus XT 2.5" 7.2K HHDD IOP Sec (R+W)	Momentus XT 2.5" 7.2K HHDD Bandwidth KB Sec (R+W)
64KB	69	100% Seq 100% Read	480	300	388248	24847872	0.77	0	0	0	388248	24847872	0.77	1294	82,826
64KB	70	60% Seq 100% Read	480	300	32,897	2,105,408.0	9.1	-	-	-	32,897	2,105,408.0	9.1	109	7,018
64KB	71	30% Seq 100% Read	480	300	22,250	1,424,000.0	13.5	-	-	-	22,250	1,424,000.0	13.5	74	4,746
64KB	72	0% Seq 100% Read	480	300	16,499	1,055,936.0	18.2	-	-	-	16,499	1,055,936.0	18.2	54	3,519
64KB	73	100% Seq 60% Read	480	300	30,460	1,949,440.0	0.9	20,440	1,308,160.0	13.3	50,900	3,257,600.0	5.9	169	10,858
64KB	74	60% Seq 60% Read	480	300	13,904	889,856.0	7.6	9,138	584,832.0	21.2	23,042	1,474,688.0	13.0	76	4,915
64KB	75	30% Seq 60% Read	480	300	10,697	684,608.0	12.7	7,057	451,648.0	23.2	17,754	1,136,256.0	16.9	59	3,787
64KB	76	0% Seq 60% Read	480	300	8,857	566,848.0	18.1	5,876	376,064.0	23.7	14,733	942,912.0	20.4	49	3,143
64KB	77	100% Seq 30% Read	480	300	11,406	729,984.0	0.4	26,617	1,703,488.0	11.1	38,023	2,433,472.0	7.9	126	8,111
64KB	78	60% Seq 30% Read	480	300	5,640	360,960.0	7.8	13,061	835,904.0	19.6	18,701	1,196,864.0	16.0	62	3,989
64KB	79	30% Seq 30% Read	480	300	4,664	298,496.0	12.6	10,865	695,360.0	22.2	15,529	993,856.0	19.3	51	3,312
64KB	80	0% Seq 30% Read	480	300	4,148	265,472.0	17.8	9,913	634,432.0	22.8	14,061	899,904.0	21.3	46	2,999
64KB	81	100% Seq 0% Read	480	300	-	-	-	32,430	2,075,520.0	9.2	32,430	2,075,520.0	9.2	108	6,918
64KB	82	60% Seq 0% Read	480	300	-	-	-	16,206	1,037,184.0	18.5	16,206	1,037,184.0	18.5	54	3,457
64KB	83	30% Seq 0% Read	480	300	-	-	-	14,518	929,152.0	20.7	14,518	929,152.0	20.7	48	3,097
64KB	84	0% Seq 0% Read	480	300	-	-	-	13,571	868,544.0	22.1	13,571	868,544.0	22.1	45	2,895

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Test / Step information section					Reads			Writes			Totals (R+W)		Overall Averages (R+W)		
IO Size	Test Step	Pattern	Total Run Time Sec (with pauses)	Test Time Sec	Total Reads	Total Read KB	Avg Read Resp	Total Writes	Total Write KB	Avg Write Resp	Total IO (R+W)	Total KB (R+W)	Momentus XT 2.5" 7.2K HHDD Avg Resp (R+W)	Momentus XT 2.5" 7.2K HHDD IOP Sec (R+W)	Momentus XT 2.5" 7.2K HHDD Bandwidth KB Sec (R+W)
128KB	86	100% Seq 100% Read	480	300	193801	24806528	1.54	0	0	0	193801	24806528	1.54	646	82,688
128KB	87	60% Seq 100% Read	480	300	29,264	3,745,792.0	10.3	-	-	-	29,264	3,745,792.0	10.3	97	12,485
128KB	88	30% Seq 100% Read	480	300	20,447	2,617,216.0	14.7	-	-	-	20,447	2,617,216.0	14.7	68	8,724
128KB	89	0% Seq 100% Read	480	300	15,777	2,019,456.0	19.0	-	-	-	15,777	2,019,456.0	19.0	52	6,731
128KB	90	100% Seq 60% Read	480	300	19,265	2,465,920.0	3.2	12,875	1,648,000.0	18.5	32,140	4,113,920.0	9.3	107	13,713
128KB	91	60% Seq 60% Read	480	300	11,784	1,508,352.0	9.6	7,732	989,696.0	24.2	19,516	2,498,048.0	15.4	65	8,326
128KB	92	30% Seq 60% Read	480	300	9,499	1,215,872.0	14.3	6,317	808,576.0	26.0	15,816	2,024,448.0	19.0	52	6,748
128KB	93	0% Seq 60% Read	480	300	8,480	1,085,440.0	18.7	5,612	718,336.0	25.2	14,092	1,803,776.0	21.3	46	6,012
128KB	94	100% Seq 30% Read	480	300	9,004	1,152,512.0	2.0	20,902	2,675,456.0	13.5	29,906	3,827,968.0	10.0	99	12,759
128KB	95	60% Seq 30% Read	480	300	5,604	717,312.0	8.0	12,620	1,615,360.0	20.2	18,224	2,332,672.0	16.5	60	7,775
128KB	96	30% Seq 30% Read	480	300	4,479	573,312.0	13.5	10,354	1,325,312.0	23.1	14,833	1,898,624.0	20.2	49	6,328
128KB	97	0% Seq 30% Read	480	300	4,059	519,552.0	18.4	9,281	1,187,968.0	24.3	13,340	1,707,520.0	22.5	44	5,691
128KB	98	100% Seq 0% Read	480	300	-	-	-	30,282	3,876,096.0	9.9	30,282	3,876,096.0	9.9	100	12,920
128KB	99	60% Seq 0% Read	480	300	-	-	-	16,867	2,158,976.0	17.8	16,867	2,158,976.0	17.8	56	7,196
128KB	100	30% Seq 0% Read	480	300	-	-	-	13,688	1,752,064.0	21.9	13,688	1,752,064.0	21.9	45	5,840
128KB	101	0% Seq 0% Read	480	300	-	-	-	12,697	1,625,216.0	23.6	12,697	1,625,216.0	23.6	42	5,417

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Test / Step information section					Reads			Writes			Totals (R+W)		Overall Averages (R+W)		
IO Size	Test Step	Pattern	Total Run Time Sec (with pauses)	Test Time Sec	Total Reads	Total Read KB	Avg Read Resp	Total Writes	Total Write KB	Avg Write Resp	Total IO (R+W)	Total KB (R+W)	Momentus XT 2.5" 7.2K HHDD Avg Resp (R+W)	Momentus XT 2.5" 7.2K HHDD IOP Sec (R+W)	Momentus XT 2.5" 7.2K HHDD Bandwidth KB Sec (R+W)
256KB	103	100% Seq 100% Read	480	300	97011	24834816	3.09	0	0	0	97011	24834816	3.09	323	82,782
256KB	104	60% Seq 100% Read	480	300	23,085	5,909,760.0	13.0	-	-	-	23,085	5,909,760.0	13.0	76	19,699
256KB	105	30% Seq 100% Read	480	300	16,601	4,249,856.0	18.1	-	-	-	16,601	4,249,856.0	18.1	55	14,166
256KB	106	0% Seq 100% Read	480	300	13,268	3,396,608.0	22.6	-	-	-	13,268	3,396,608.0	22.6	44	11,322
256KB	107	100% Seq 60% Read	480	300	14,936	3,823,616.0	6.0	9,811	2,511,616.0	21.5	24,747	6,335,232.0	12.1	82	21,117
256KB	108	60% Seq 60% Read	480	300	9,850	2,521,600.0	13.4	6,467	1,655,552.0	26.0	16,317	4,177,152.0	18.4	54	13,923
256KB	109	30% Seq 60% Read	480	300	8,529	2,183,424.0	17.0	5,722	1,464,832.0	27.0	14,251	3,648,256.0	21.1	47	12,160
256KB	110	0% Seq 60% Read	480	300	7,549	1,932,544.0	21.7	4,842	1,239,552.0	28.1	12,391	3,172,096.0	24.2	41	10,573
256KB	111	100% Seq 30% Read	480	300	7,021	1,797,376.0	6.2	16,535	4,232,960.0	15.5	23,556	6,030,336.0	12.7	78	20,101
256KB	112	60% Seq 30% Read	480	300	4,553	1,165,568.0	12.0	10,557	2,702,592.0	23.3	15,110	3,868,160.0	19.9	50	12,893
256KB	113	30% Seq 30% Read	480	300	3,900	998,400.0	16.4	8,813	2,256,128.0	26.8	12,713	3,254,528.0	23.6	42	10,848
256KB	114	0% Seq 30% Read	480	300	3,455	884,480.0	20.8	8,317	2,129,152.0	27.4	11,772	3,013,632.0	25.5	39	10,045
256KB	115	100% Seq 0% Read	480	300	-	-	-	25,185	6,447,360.0	11.9	25,185	6,447,360.0	11.9	83	21,491
256KB	116	60% Seq 0% Read	480	300	-	-	-	13,447	3,442,432.0	22.3	13,447	3,442,432.0	22.3	44	11,474
256KB	117	30% Seq 0% Read	480	300	-	-	-	11,833	3,029,248.0	25.4	11,833	3,029,248.0	25.4	39	10,097
256KB	118	0% Seq 0% Read	480	300	-	-	-	11,328	2,899,968.0	26.5	11,328	2,899,968.0	26.5	37	9,666

## Your performance WILL vary

Worker count = 1

8/26/2013

Note: High IO rates/transfers at 100% seq, 100% read may be locality of reference of drive level cache

STX Momentus XT HHDD 2.5" 7.2K 500GB (External Raw LSI SAS HBA)

Test / Step information section					Reads			Writes			Totals (R+W)		Overall Averages (R+W)		
IO Size	Test Step	Pattern	Total Run Time Sec (with pauses)	Test Time Sec	Total Reads	Total Read KB	Avg Read Resp	Total Writes	Total Write KB	Avg Write Resp	Total IO (R+W)	Total KB (R+W)	Momentus XT 2.5" 7.2K HHDD Avg Resp (R+W)	Momentus XT 2.5" 7.2K HHDD IOP Sec (R+W)	Momentus XT 2.5" 7.2K HHDD Bandwidth KB Sec (R+W)
512KB	120	100% Seq 100% Read	480	300	55985	28664320	5.35	0	0	0	55985	28664320	5.35	186	95,547
512KB	121	60% Seq 100% Read	480	300	18,445	9,443,840.0	16.3	-	-	-	18,445	9,443,840.0	16.3	61	31,479
512KB	122	30% Seq 100% Read	480	300	13,906	7,119,872.0	21.6	-	-	-	13,906	7,119,872.0	21.6	46	23,732
512KB	123	0% Seq 100% Read	480	300	12,506	6,403,072.0	24.0	-	-	-	12,506	6,403,072.0	24.0	41	21,343
512KB	124	100% Seq 60% Read	480	300	9,410	4,817,920.0	10.7	6,335	3,243,520.0	31.5	15,745	8,061,440.0	19.1	52	26,871
512KB	125	60% Seq 60% Read	480	300	8,317	4,258,304.0	16.0	5,608	2,871,296.0	29.7	13,925	7,129,600.0	21.5	46	23,765
512KB	126	30% Seq 60% Read	480	300	7,099	3,634,688.0	20.6	4,802	2,458,624.0	32.0	11,901	6,093,312.0	25.2	39	20,311
512KB	127	0% Seq 60% Read	480	300	6,601	3,379,712.0	23.5	4,439	2,272,768.0	32.7	11,040	5,652,480.0	27.2	36	18,841
512KB	128	100% Seq 30% Read	480	300	4,933	2,525,696.0	8.5	11,469	5,872,128.0	22.5	16,402	8,397,824.0	18.3	54	27,992
512KB	129	60% Seq 30% Read	480	300	3,564	1,824,768.0	15.7	8,601	4,403,712.0	28.4	12,165	6,228,480.0	24.7	40	20,761
512KB	130	30% Seq 30% Read	480	300	3,236	1,656,832.0	20.5	7,456	3,817,472.0	31.3	10,692	5,474,304.0	28.1	35	18,247
512KB	131	0% Seq 30% Read	480	300	3,124	1,599,488.0	23.3	7,064	3,616,768.0	32.2	10,188	5,216,256.0	29.4	33	17,387
512KB	132	100% Seq 0% Read	480	300	-	-	-	13,651	6,989,312.0	22.0	13,651	6,989,312.0	22.0	45	23,297
512KB	133	60% Seq 0% Read	480	300	-	-	-	9,931	5,084,672.0	30.2	9,931	5,084,672.0	30.2	33	16,948
512KB	134	30% Seq 0% Read	480	300	-	-	-	9,746	4,989,952.0	30.8	9,746	4,989,952.0	30.8	32	16,633
512KB	135	0% Seq 0% Read	480	300	-	-	-	9,341	4,782,592.0	32.1	9,341	4,782,592.0	32.1	31	15,941



Your performance WILL vary

Worker count = 1

8/26/2013

Note: High IO rates/transfers at 100% seq, 100% read may be locality of reference of drive level cache

STX Momentus XT HHDD 2.5" 7.2K 500GB (External Raw LSI SAS HBA)

Test / Step information section					Reads			Writes			Totals (R+W)		Overall Averages (R+W)		
IO Size	Test Step	Pattern	Total Run Time Sec (with pauses)	Test Time Sec	Total Reads	Total Read KB	Avg Read Resp	Total Writes	Total Write KB	Avg Write Resp	Total IO (R+W)	Total KB (R+W)	Momentus XT 2.5" 7.2K HHDD Avg Resp (R+W)	Momentus XT 2.5" 7.2K HHDD IOP Sec (R+W)	Momentus XT 2.5" 7.2K HHDD Bandwidth KB Sec (R+W)
1024KB	137	100% Seq 100% Read	480	300	24911	25508864	12.04	0	0	0	24911	25508864	12.04	83	85,029
1024KB	138	60% Seq 100% Read	480	300	13,747	14,076,928.0	21.8	-	-	-	13,747	14,076,928.0	21.8	45	46,923
1024KB	139	30% Seq 100% Read	480	300	11,152	11,419,648.0	26.9	-	-	-	11,152	11,419,648.0	26.9	37	38,065
1024KB	140	0% Seq 100% Read	480	300	10,026	10,266,624.0	29.9	-	-	-	10,026	10,266,624.0	29.9	33	34,222
1024KB	141	100% Seq 60% Read	480	300	7,600	7,782,400.0	15.7	4,971	5,090,304.0	36.3	12,571	12,872,704.0	23.9	41	42,909
1024KB	142	60% Seq 60% Read	480	300	6,181	6,329,344.0	22.0	4,111	4,209,664.0	39.9	10,292	10,539,008.0	29.1	34	35,130
1024KB	143	30% Seq 60% Read	480	300	5,349	5,477,376.0	26.9	3,558	3,643,392.0	43.9	8,907	9,120,768.0	33.7	29	30,402
1024KB	144	0% Seq 60% Read	480	300	5,032	5,152,768.0	29.5	3,391	3,472,384.0	44.7	8,423	8,625,152.0	35.6	28	28,750
1024KB	145	100% Seq 30% Read	480	300	3,129	3,204,096.0	20.2	7,263	7,437,312.0	32.6	10,392	10,641,408.0	28.9	34	35,471
1024KB	146	60% Seq 30% Read	480	300	2,760	2,826,240.0	22.6	6,279	6,429,696.0	37.9	9,039	9,255,936.0	33.2	30	30,853
1024KB	147	30% Seq 30% Read	480	300	2,369	2,425,856.0	27.2	5,452	5,582,848.0	43.2	7,821	8,008,704.0	38.4	26	26,695
1024KB	148	0% Seq 30% Read	480	300	2,318	2,373,632.0	29.0	5,308	5,435,392.0	43.9	7,626	7,809,024.0	39.3	25	26,030
1024KB	149	100% Seq 0% Read	480	300	-	-	-	10,812	11,071,488.0	27.7	10,812	11,071,488.0	27.7	36	36,904
1024KB	150	60% Seq 0% Read	480	300	-	-	-	6,983	7,150,592.0	43.0	6,983	7,150,592.0	43.0	23	23,835
1024KB	151	30% Seq 0% Read	480	300	-	-	-	6,939	7,105,536.0	43.2	6,939	7,105,536.0	43.2	23	23,685
1024KB	152	0% Seq 0% Read	480	300	-	-	-	6,940	7,106,560.0	43.2	6,940	7,106,560.0	43.2	23	23,688

## Your performance WILL vary

Worker count = 1

8/26/2013

Note: High IO rates/transfers at 100% seq, 100% read may be locality of reference of drive level cache

STX Momentus XT HHDD 2.5" 7.2K 500GB (External Raw LSI SAS HBA)

Test / Step information section					Reads			Writes			Totals (R+W)		Overall Averages (R+W)		
IO Size	Test Step	Pattern	Total Run Time Sec (with pauses)	Test Time Sec	Total Reads	Total Read KB	Avg Read Resp	Total Writes	Total Write KB	Avg Write Resp	Total IO (R+W)	Total KB (R+W)	Momentus XT 2.5" 7.2K HHDD Avg Resp (R+W)	Momentus XT 2.5" 7.2K HHDD IOP Sec (R+W)	Momentus XT 2.5" 7.2K HHDD Bandwidth KB Sec (R+W)
2048KB	154	100% Seq 100% Read	480	300	11327	23197696	26.48	0	0	0	11327	23197696	26.48	37	77,325
2048KB	155	60% Seq 100% Read	480	300	8,988	18,407,424.0	33.4	-	-	-	8,988	18,407,424.0	33.4	29	61,358
2048KB	156	30% Seq 100% Read	480	300	7,325	15,001,600.0	41.0	-	-	-	7,325	15,001,600.0	41.0	24	50,005
2048KB	157	0% Seq 100% Read	480	300	7,219	14,784,512.0	41.5	-	-	-	7,219	14,784,512.0	41.5	24	49,281
2048KB	158	100% Seq 60% Read	480	300	3,790	7,761,920.0	34.2	2,455	5,027,840.0	69.4	6,245	12,789,760.0	48.0	20	42,632
2048KB	159	60% Seq 60% Read	480	300	3,946	8,081,408.0	34.3	2,601	5,326,848.0	63.3	6,547	13,408,256.0	45.8	21	44,694
2048KB	160	30% Seq 60% Read	480	300	3,728	7,634,944.0	38.9	2,410	4,935,680.0	64.3	6,138	12,570,624.0	48.9	20	41,902
2048KB	161	0% Seq 60% Read	480	300	3,557	7,284,736.0	40.8	2,362	4,837,376.0	65.6	5,919	12,122,112.0	50.7	19	40,407
2048KB	162	100% Seq 30% Read	480	300	1,924	3,940,352.0	31.0	4,396	9,003,008.0	54.7	6,320	12,943,360.0	47.5	21	43,144
2048KB	163	60% Seq 30% Read	480	300	1,729	3,540,992.0	34.9	3,993	8,177,664.0	60.0	5,722	11,718,656.0	52.4	19	39,062
2048KB	164	30% Seq 30% Read	480	300	1,510	3,092,480.0	39.4	3,560	7,290,880.0	67.5	5,070	10,383,360.0	59.2	16	34,611
2048KB	165	0% Seq 30% Read	480	300	1,529	3,131,392.0	40.4	3,640	7,454,720.0	65.4	5,169	10,586,112.0	58.0	17	35,287
2048KB	166	100% Seq 0% Read	480	300	-	-	-	5,664	11,599,872.0	53.0	5,664	11,599,872.0	53.0	18	38,666
2048KB	167	60% Seq 0% Read	480	300	-	-	-	5,167	10,582,016.0	58.1	5,167	10,582,016.0	58.1	17	35,273
2048KB	168	30% Seq 0% Read	480	300	-	-	-	4,771	9,771,008.0	62.9	4,771	9,771,008.0	62.9	15	32,570
2048KB	169	0% Seq 0% Read	480	300	-	-	-	4,616	9,453,568.0	65.0	4,616	9,453,568.0	65.0	15	31,511