

Your performance WILL vary, results provided as is with NO warranties or responsibility for or how used or their impact!

Worker count = 1

1/11/2015

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

Seagate Pro 600 480GB ST480HM000 2.5" SATA SSD (External Raw LSI Offset: 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)	Seagate ST480HM Pro SSD 480GB Avg Resp (R+W)	Seagate ST480HM Pro SSD 480GB IOP Sec (R+W)	Seagate ST480HM Pro SSD 480GB 2.5" SSD KB Sec (R+W)
4KB	1	100% Seq 100% Read	480	300	36,349,011	145,396,043	0.01	-	-	-	36,349,011	145,396,043	0.01	121,163	484,653
4KB	2	60% Seq 100% Read	480	300	5,315,496	21,261,985.3	0.1	-	-	-	5,315,496	21,261,985.3	0.1	17,718	70,873
4KB	3	30% Seq 100% Read	480	300	3,442,693	13,770,773.3	0.1	-	-	-	3,442,693	13,770,773.3	0.1	11,475	45,902
4KB	4	0% Seq 100% Read	480	300	2,528,901	10,115,605.3	0.1	-	-	-	2,528,901	10,115,605.3	0.1	8,429	33,718
4KB	5	100% Seq 60% Read	480	300	38,516	154,065.3	-	25,489	101,954.7	11.8	64,005	256,020.0	4.7	213	853
4KB	6	60% Seq 60% Read	480	300	38,077	152,308.0	0.1	25,554	102,214.7	11.6	63,631	254,522.7	4.7	212	848
4KB	7	30% Seq 60% Read	480	300	37,976	151,902.7	0.1	25,504	102,017.3	11.6	63,480	253,920.0	4.7	211	846
4KB	8	0% Seq 60% Read	480	300	38,283	153,130.7	0.2	25,440	101,760.0	11.5	63,723	254,890.7	4.7	212	849
4KB	9	100% Seq 30% Read	480	300	10,976	43,902.7	-	25,673	102,690.7	11.7	36,648	146,593.3	8.2	122	488
4KB	10	60% Seq 30% Read	480	300	11,140	44,561.3	0.1	25,777	103,106.7	11.6	36,917	147,668.0	8.1	123	492
4KB	11	30% Seq 30% Read	480	300	10,944	43,776.0	0.1	25,645	102,580.0	11.6	36,589	146,356.0	8.2	121	487
4KB	12	0% Seq 30% Read	480	300	10,996	43,982.7	0.2	25,709	102,837.3	11.6	36,705	146,820.0	8.2	122	489
4KB	13	100% Seq 0% Read	480	300	-	-	-	25,714	102,854.7	11.7	25,714	102,854.7	11.7	85	342
4KB	14	60% Seq 0% Read	480	300	-	-	-	25,645	102,580.0	11.7	25,645	102,580.0	11.7	85	342
4KB	15	30% Seq 0% Read	480	300	-	-	-	25,704	102,816.0	11.7	25,704	102,816.0	11.7	85	342
4KB	16	0% Seq 0% Read	480	300	-	-	-	25,820	103,278.7	11.6	25,820	103,278.7	11.6	86	344

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Worker count = 1

1/11/15

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

Pro 600 480GB ST480HM000 2.5" SATA SSD (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)	Seagate ST480HM Pro SSD 480GB Avg Resp (R+W)	Seagate ST480HM Pro SSD 480GB IOP Sec (R+W)	Seagate ST480HM Pro SSD 480GB 2.5" SSD KB Sec (R+W)
8KB	17	100% Seq 100% Read	480	300	18,528,605	148,228,840	0.02	-	-	-	18,528,605	148,228,840	0.02	61,762	494,096
8KB	18	60% Seq 100% Read	480	300	4,133,939	33,071,509.3	0.1	-	-	-	4,133,939	33,071,509.3	0.1	13,779	110,238
8KB	19	30% Seq 100% Read	480	300	2,837,818	22,702,544.0	0.1	-	-	-	2,837,818	22,702,544.0	0.1	9,459	75,674
8KB	20	0% Seq 100% Read	480	300	2,172,540	17,380,317.3	0.2	-	-	-	2,172,540	17,380,317.3	0.2	7,241	57,934
8KB	21	100% Seq 60% Read	480	300	38,447	307,576.0	0.0	25,672	205,373.3	11.7	64,119	512,949.3	4.7	213	1,709
8KB	22	60% Seq 60% Read	480	300	37,734	301,874.7	0.1	25,381	203,048.0	11.7	63,115	504,922.7	4.8	210	1,683
8KB	23	30% Seq 60% Read	480	300	38,112	304,896.0	0.2	25,346	202,770.7	11.6	63,458	507,666.7	4.7	211	1,692
8KB	24	0% Seq 60% Read	480	300	37,861	302,885.3	0.2	25,214	201,712.0	11.6	63,075	504,597.3	4.8	210	1,682
8KB	25	100% Seq 30% Read	480	300	10,740	85,920.0	0.0	25,559	204,472.0	11.7	36,299	290,392.0	8.3	120	967
8KB	26	60% Seq 30% Read	480	300	10,789	86,309.3	0.1	25,512	204,098.7	11.7	36,301	290,408.0	8.3	120	968
8KB	27	30% Seq 30% Read	480	300	10,907	87,253.3	0.2	25,571	204,570.7	11.7	36,478	291,824.0	8.2	121	973
8KB	28	0% Seq 30% Read	480	300	10,882	87,058.7	0.2	25,472	203,778.7	11.7	36,355	290,837.3	8.3	121	969
8KB	29	100% Seq 0% Read	480	300	-	-	-	25,605	204,837.3	11.7	25,605	204,837.3	11.7	85	682
8KB	30	60% Seq 0% Read	480	300	-	-	-	25,604	204,832.0	11.7	25,604	204,832.0	11.7	85	682
8KB	31	30% Seq 0% Read	480	300	-	-	-	25,610	204,882.7	11.7	25,610	204,882.7	11.7	85	683
8KB	32	0% Seq 0% Read	480	300	-	-	-	25,587	204,698.7	11.7	25,587	204,698.7	11.7	85	682

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Worker count = 1

1/11/15

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

Pro 600 480GB ST480HM000 2.5" SATA SSD (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)	Seagate ST480HM Pro SSD 480GB Avg Resp (R+W)	Seagate ST480HM Pro SSD 480GB IOP Sec (R+W)	Seagate ST480HM Pro SSD 480GB 2.5" SSD KB Sec (R+W)
16KB	33	100% Seq 100% Read	480	300	9,371,851	149,949,611	0.0	-	-	-	9,371,851	149,949,611	0.0	31,239	499,831
16KB	34	60% Seq 100% Read	480	300	2,925,451	46,807,221.3	0.1	-	-	-	2,925,451	46,807,221.3	0.1	9,751	156,023
16KB	35	30% Seq 100% Read	480	300	2,116,703	33,867,253.3	0.2	-	-	-	2,116,703	33,867,253.3	0.2	7,055	112,891
16KB	36	0% Seq 100% Read	480	300	1,669,579	26,713,269.3	0.2	-	-	-	1,669,579	26,713,269.3	0.2	5,565	89,044
16KB	37	100% Seq 60% Read	480	300	38,246	611,941.3	0.0	25,461	407,381.3	11.8	63,708	1,019,322.7	4.7	212	3,397
16KB	38	60% Seq 60% Read	480	300	38,379	614,064.0	0.1	25,240	403,840.0	11.7	63,619	1,017,904.0	4.7	212	3,393
16KB	39	30% Seq 60% Read	480	300	37,656	602,501.3	0.2	25,134	402,144.0	11.7	62,790	1,004,645.3	4.8	209	3,349
16KB	40	0% Seq 60% Read	480	300	37,528	600,448.0	0.2	24,986	399,770.7	11.7	62,514	1,000,218.7	4.8	208	3,334
16KB	41	100% Seq 30% Read	480	300	11,011	176,176.0	0.0	25,567	409,072.0	11.7	36,578	585,248.0	8.2	121	1,950
16KB	42	60% Seq 30% Read	480	300	10,883	174,122.7	0.1	25,509	408,144.0	11.7	36,392	582,266.7	8.2	121	1,940
16KB	43	30% Seq 30% Read	480	300	10,874	173,978.7	0.2	25,467	407,466.7	11.7	36,340	581,445.3	8.3	121	1,938
16KB	44	0% Seq 30% Read	480	300	10,819	173,109.3	0.3	25,413	406,613.3	11.7	36,233	579,722.7	8.3	121	1,932
16KB	45	100% Seq 0% Read	480	300	-	-	-	25,551	408,816.0	11.7	25,551	408,816.0	11.7	85	1,362
16KB	46	60% Seq 0% Read	480	300	-	-	-	25,578	409,253.3	11.7	25,578	409,253.3	11.7	85	1,364
16KB	47	30% Seq 0% Read	480	300	-	-	-	25,575	409,194.7	11.7	25,575	409,194.7	11.7	85	1,363
16KB	48	0% Seq 0% Read	480	300	-	-	-	25,610	409,765.3	11.7	25,610	409,765.3	11.7	85	1,365

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Worker count = 1

1/11/15

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

Pro 600 480GB ST480HM000 2.5" SATA SSD (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)	Seagate ST480HM Pro SSD 480GB Avg Resp (R+W)	Seagate ST480HM Pro SSD 480GB IOP Sec (R+W)	Seagate ST480HM Pro SSD 480GB 2.5" SSD KB Sec (R+W)
32KB	49	100% Seq 100% Read	480	300	4,693,664	150,197,248	0.1	-	-	-	4,693,664	150,197,248	0.1	15,645	500,657
32KB	50	60% Seq 100% Read	480	300	1,907,311	61,033,941.3	0.2	-	-	-	1,907,311	61,033,941.3	0.2	6,357	203,446
32KB	51	30% Seq 100% Read	480	300	1,479,992	47,359,754.7	0.2	-	-	-	1,479,992	47,359,754.7	0.2	4,933	157,865
32KB	52	0% Seq 100% Read	480	300	1,212,420	38,797,440.0	0.3	-	-	-	1,212,420	38,797,440.0	0.3	4,041	129,324
32KB	53	100% Seq 60% Read	480	300	36,625	1,172,000.0	0.0	24,420	781,429.3	12.2	61,045	1,953,429.3	4.9	203	6,511
32KB	54	60% Seq 60% Read	480	300	36,069	1,154,197.3	0.2	24,114	771,648.0	12.2	60,183	1,925,845.3	5.0	200	6,419
32KB	55	30% Seq 60% Read	480	300	35,520	1,136,640.0	0.2	23,854	763,338.7	12.2	59,374	1,899,978.7	5.1	197	6,333
32KB	56	0% Seq 60% Read	480	300	35,717	1,142,944.0	0.3	23,768	760,586.7	12.1	59,485	1,903,530.7	5.0	198	6,345
32KB	57	100% Seq 30% Read	480	300	10,559	337,877.3	0.0	24,600	787,200.0	12.2	35,159	1,125,077.3	8.5	117	3,750
32KB	58	60% Seq 30% Read	480	300	10,530	336,960.0	0.2	24,478	783,285.3	12.2	35,008	1,120,245.3	8.6	116	3,734
32KB	59	30% Seq 30% Read	480	300	10,482	335,413.3	0.2	24,454	782,528.0	12.2	34,936	1,117,941.3	8.6	116	3,726
32KB	60	0% Seq 30% Read	480	300	10,357	331,424.0	0.3	24,382	780,234.7	12.2	34,739	1,111,658.7	8.6	115	3,705
32KB	61	100% Seq 0% Read	480	300	-	-	-	24,662	789,184.0	12.2	24,662	789,184.0	12.2	82	2,630
32KB	62	60% Seq 0% Read	480	300	-	-	-	24,625	788,010.7	12.2	24,625	788,010.7	12.2	81	2,626
32KB	63	30% Seq 0% Read	480	300	-	-	-	24,637	788,373.3	12.2	24,637	788,373.3	12.2	82	2,627
32KB	64	0% Seq 0% Read	480	300	-	-	-	24,644	788,618.7	12.2	24,644	788,618.7	12.2	82	2,628

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1/11/15

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Pro 600 480GB ST480HM000 2.5" SATA SSD (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)	Seagate ST480HM Pro SSD 480GB Avg Resp (R+W)	Seagate ST480HM Pro SSD 480GB IOP Sec (R+W)	Seagate ST480HM Pro SSD 480GB 2.5" SSD KB Sec (R+W)
64KB	65	100% Seq 100% Read	480	300	2,341,668	149,866,773	0.1	-	-	-	2,341,668	149,866,773	0.1	7,805	499,555
64KB	66	60% Seq 100% Read	480	300	1,139,278	72,913,792.0	0.3	-	-	-	1,139,278	72,913,792.0	0.3	3,797	243,046
64KB	67	30% Seq 100% Read	480	300	955,453	61,149,013.3	0.3	-	-	-	955,453	61,149,013.3	0.3	3,184	203,829
64KB	68	0% Seq 100% Read	480	300	809,107	51,782,869.3	0.4	-	-	-	809,107	51,782,869.3	0.4	2,697	172,609
64KB	69	100% Seq 60% Read	480	300	36,037	2,306,346.7	0.1	23,878	1,528,170.7	12.4	59,914	3,834,517.3	5.0	199	12,781
64KB	70	60% Seq 60% Read	480	300	34,942	2,236,309.3	0.2	23,331	1,493,184.0	12.5	58,273	3,729,493.3	5.2	194	12,431
64KB	71	30% Seq 60% Read	480	300	34,844	2,229,994.7	0.3	22,969	1,470,016.0	12.6	57,813	3,700,010.7	5.2	192	12,333
64KB	72	0% Seq 60% Read	480	300	34,113	2,183,253.3	0.5	22,766	1,457,002.7	12.5	56,879	3,640,256.0	5.3	189	12,134
64KB	73	100% Seq 30% Read	480	300	10,266	657,002.7	0.1	24,044	1,538,837.3	12.5	34,310	2,195,840.0	8.8	114	7,319
64KB	74	60% Seq 30% Read	480	300	10,252	656,128.0	0.2	23,790	1,522,538.7	12.5	34,042	2,178,666.7	8.8	113	7,262
64KB	75	30% Seq 30% Read	480	300	10,135	648,661.3	0.3	23,731	1,518,805.3	12.5	33,867	2,167,466.7	8.9	113	7,224
64KB	76	0% Seq 30% Read	480	300	10,095	646,058.7	0.5	23,705	1,517,141.3	12.5	33,800	2,163,200.0	8.9	112	7,210
64KB	77	100% Seq 0% Read	480	300	-	-	-	24,052	1,539,306.7	12.5	24,052	1,539,306.7	12.5	80	5,131
64KB	78	60% Seq 0% Read	480	300	-	-	-	24,091	1,541,845.3	12.5	24,091	1,541,845.3	12.5	80	5,139
64KB	79	30% Seq 0% Read	480	300	-	-	-	23,994	1,535,616.0	12.5	23,994	1,535,616.0	12.5	79	5,118
64KB	80	0% Seq 0% Read	480	300	-	-	-	23,984	1,534,954.7	12.5	23,984	1,534,954.7	12.5	79	5,116

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1/11/15

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

Pro 600 480GB ST480HM000 2.5" SATA SSD (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)	Seagate ST480HM Pro SSD 480GB Avg Resp (R+W)	Seagate ST480HM Pro SSD 480GB IOP Sec (R+W)	Seagate ST480HM Pro SSD 480GB 2.5" SSD KB Sec (R+W)
128KB	81	100% Seq 100% Read	480	300	1,161,800	148,710,443	0.3	-	-	-	1,161,800	148,710,443	0.3	3,872	495,701
128KB	82	60% Seq 100% Read	480	300	613,603	78,541,141.3	0.5	-	-	-	613,603	78,541,141.3	0.5	2,045	261,803
128KB	83	30% Seq 100% Read	480	300	572,852	73,325,056.0	0.5	-	-	-	572,852	73,325,056.0	0.5	1,909	244,416
128KB	84	0% Seq 100% Read	480	300	501,392	64,178,133.3	0.6	-	-	-	501,392	64,178,133.3	0.6	1,671	213,927
128KB	85	100% Seq 60% Read	480	300	34,176	4,374,570.7	0.3	22,839	2,923,392.0	12.6	57,015	7,297,962.7	5.3	190	24,326
128KB	86	60% Seq 60% Read	480	300	33,237	4,254,378.7	0.4	22,198	2,841,386.7	12.9	55,436	7,095,765.3	5.4	184	23,652
128KB	87	30% Seq 60% Read	480	300	32,655	4,179,840.0	0.5	21,856	2,797,568.0	13.0	54,511	6,977,408.0	5.5	181	23,258
128KB	88	0% Seq 60% Read	480	300	32,569	4,168,789.3	0.7	21,629	2,768,512.0	12.9	54,198	6,937,301.3	5.6	180	23,124
128KB	89	100% Seq 30% Read	480	300	10,006	1,280,768.0	0.2	23,275	2,979,157.3	12.8	33,281	4,259,925.3	9.0	111	14,199
128KB	90	60% Seq 30% Read	480	300	9,826	1,257,728.0	0.4	23,024	2,947,114.7	12.9	32,850	4,204,842.7	9.2	109	14,016
128KB	91	30% Seq 30% Read	480	300	9,770	1,250,602.7	0.5	22,925	2,934,357.3	12.9	32,695	4,184,960.0	9.2	109	13,950
128KB	92	0% Seq 30% Read	480	300	9,771	1,250,688.0	0.7	22,753	2,912,341.3	12.9	32,524	4,163,029.3	9.2	108	13,877
128KB	93	100% Seq 0% Read	480	300	-	-	-	23,493	3,007,146.7	12.8	23,493	3,007,146.7	12.8	78	10,024
128KB	94	60% Seq 0% Read	480	300	-	-	-	23,429	2,998,954.7	12.8	23,429	2,998,954.7	12.8	78	9,996
128KB	95	30% Seq 0% Read	480	300	-	-	-	23,321	2,985,045.3	12.9	23,321	2,985,045.3	12.9	77	9,950
128KB	96	0% Seq 0% Read	480	300	-	-	-	23,292	2,981,376.0	12.9	23,292	2,981,376.0	12.9	77	9,937

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1/11/15

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Pro 600 480GB ST480HM000 2.5" SATA SSD (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)	Seagate ST480HM Pro SSD 480GB Avg Resp (R+W)	Seagate ST480HM Pro SSD 480GB IOP Sec (R+W)	Seagate ST480HM Pro SSD 480GB 2.5" SSD KB Sec (R+W)
256KB	97	100% Seq 100% Read	480	300	579,705	148,404,395	0.5	-	-	-	579,705	148,404,395	0.5	1,932	494,681
256KB	98	60% Seq 100% Read	480	300	296,310	75,855,360.0	1.0	-	-	-	296,310	75,855,360.0	1.0	987	252,851
256KB	99	30% Seq 100% Read	480	300	269,960	69,109,845.3	1.1	-	-	-	269,960	69,109,845.3	1.1	899	230,365
256KB	100	0% Seq 100% Read	480	300	246,301	63,053,141.3	1.2	-	-	-	246,301	63,053,141.3	1.2	820	210,177
256KB	101	100% Seq 60% Read	480	300	29,879	7,649,024.0	0.7	20,025	5,126,485.3	13.9	49,904	12,775,509.3	6.0	166	42,585
256KB	102	60% Seq 60% Read	480	300	28,984	7,419,904.0	1.0	19,233	4,923,562.7	14.2	48,217	12,343,466.7	6.3	160	41,144
256KB	103	30% Seq 60% Read	480	300	28,408	7,272,362.7	1.1	18,949	4,850,858.7	14.3	47,356	12,123,221.3	6.4	157	40,410
256KB	104	0% Seq 60% Read	480	300	28,224	7,225,429.3	1.2	18,748	4,799,402.7	14.3	46,972	12,024,832.0	6.4	156	40,082
256KB	105	100% Seq 30% Read	480	300	8,984	2,299,989.3	0.8	21,016	5,380,096.0	14.0	30,000	7,680,085.3	10.1	99	25,600
256KB	106	60% Seq 30% Read	480	300	8,791	2,250,410.7	0.9	20,768	5,316,608.0	14.2	29,559	7,567,018.7	10.2	98	25,223
256KB	107	30% Seq 30% Read	480	300	8,880	2,273,365.3	1.0	20,644	5,284,778.7	14.2	29,524	7,558,144.0	10.2	98	25,193
256KB	108	0% Seq 30% Read	480	300	8,801	2,253,056.0	1.2	20,584	5,269,589.3	14.2	29,385	7,522,645.3	10.3	97	25,075
256KB	109	100% Seq 0% Read	480	300	-	-	-	21,921	5,611,776.0	13.8	21,921	5,611,776.0	13.8	73	18,706
256KB	110	60% Seq 0% Read	480	300	-	-	-	21,522	5,509,717.3	14.0	21,522	5,509,717.3	14.0	71	18,365
256KB	111	30% Seq 0% Read	480	300	-	-	-	21,446	5,490,176.0	14.1	21,446	5,490,176.0	14.1	71	18,300
256KB	112	0% Seq 0% Read	480	300	-	-	-	21,320	5,457,920.0	14.2	21,320	5,457,920.0	14.2	70	18,193

Your performance WILL vary, results provided as is with NO warranties or responsibility for or how used or their impact!

Worker count = 1

1/11/15

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

Pro 600 480GB ST480HM000 2.5" SATA SSD (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)	Seagate ST480HM Pro SSD 480GB Avg Resp (R+W)	Seagate ST480HM Pro SSD 480GB IOP Sec (R+W)	Seagate ST480HM Pro SSD 480GB 2.5" SSD KB Sec (R+W)
512KB	113	100% Seq 100% Read	480	300	289,799	148,376,917	1.0	-	-	-	289,799	148,376,917	1.0	965	494,589
512KB	114	60% Seq 100% Read	480	300	164,856	84,406,272.0	1.8	-	-	-	164,856	84,406,272.0	1.8	549	281,354
512KB	115	30% Seq 100% Read	480	300	145,997	74,750,464.0	2.1	-	-	-	145,997	74,750,464.0	2.1	486	249,168
512KB	116	0% Seq 100% Read	480	300	137,477	70,388,224.0	2.2	-	-	-	137,477	70,388,224.0	2.2	458	234,627
512KB	117	100% Seq 60% Read	480	300	23,956	12,265,301.3	1.5	15,961	8,172,032.0	17.0	39,917	20,437,333.3	7.7	133	68,124
512KB	118	60% Seq 60% Read	480	300	23,078	11,816,106.7	1.9	15,444	7,907,157.3	16.9	38,522	19,723,264.0	7.9	128	65,744
512KB	119	30% Seq 60% Read	480	300	22,397	11,467,093.3	2.0	14,996	7,677,952.0	17.3	37,393	19,145,045.3	8.2	124	63,816
512KB	120	0% Seq 60% Read	480	300	22,241	11,387,392.0	2.2	14,850	7,603,029.3	17.3	37,091	18,990,421.3	8.2	123	63,301
512KB	121	100% Seq 30% Read	480	300	7,431	3,804,501.3	1.4	17,470	8,944,640.0	16.8	24,901	12,749,141.3	12.2	82	42,497
512KB	122	60% Seq 30% Read	480	300	7,322	3,748,864.0	1.9	16,951	8,679,082.7	17.2	24,273	12,427,946.7	12.6	80	41,426
512KB	123	30% Seq 30% Read	480	300	7,194	3,683,498.7	2.0	16,805	8,603,989.3	17.3	23,999	12,287,488.0	12.8	80	40,958
512KB	124	0% Seq 30% Read	480	300	7,086	3,628,032.0	2.2	16,657	8,528,554.7	17.5	23,743	12,156,586.7	12.9	78	40,521
512KB	125	100% Seq 0% Read	480	300	-	-	-	18,092	9,262,933.3	16.8	18,092	9,262,933.3	16.8	60	30,876
512KB	126	60% Seq 0% Read	480	300	-	-	-	17,790	9,108,650.7	17.2	17,790	9,108,650.7	17.2	59	30,362
512KB	127	30% Seq 0% Read	480	300	-	-	-	17,697	9,060,864.0	17.3	17,697	9,060,864.0	17.3	59	30,202
512KB	128	0% Seq 0% Read	480	300	-	-	-	17,501	8,960,512.0	17.6	17,501	8,960,512.0	17.6	58	29,868



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Worker count = 1

1/11/15

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

Pro 600 480GB ST480HM000 2.5" SATA SSD (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)	Seagate ST480HM Pro SSD 480GB Avg Resp (R+W)	Seagate ST480HM Pro SSD 480GB IOP Sec (R+W)	Seagate ST480HM Pro SSD 480GB 2.5" SSD KB Sec (R+W)
1024KB	129	100% Seq 100% Read	480	300	144,279	147,741,355	2.1	-	-	-	144,279	147,741,355	2.1	480	492,471
1024KB	130	60% Seq 100% Read	480	300	88,322	90,441,386.7	3.4	-	-	-	88,322	90,441,386.7	3.4	294	301,471
1024KB	131	30% Seq 100% Read	480	300	74,611	76,401,322.7	4.0	-	-	-	74,611	76,401,322.7	4.0	248	254,670
1024KB	132	0% Seq 100% Read	480	300	68,570	70,215,338.7	4.4	-	-	-	68,570	70,215,338.7	4.4	228	234,051
1024KB	133	100% Seq 60% Read	480	300	16,923	17,328,810.7	2.6	11,341	11,613,525.3	23.9	28,264	28,942,336.0	11.2	94	96,474
1024KB	134	60% Seq 60% Read	480	300	15,288	15,655,253.3	3.5	10,198	10,442,410.7	25.0	25,486	26,097,664.0	12.1	84	86,992
1024KB	135	30% Seq 60% Read	480	300	15,058	15,419,050.7	4.0	10,108	10,350,933.3	24.6	25,166	25,769,984.0	12.3	83	85,899
1024KB	136	0% Seq 60% Read	480	300	14,880	15,237,461.3	4.3	9,782	10,016,426.7	24.9	24,662	25,253,888.0	12.5	82	84,179
1024KB	137	100% Seq 30% Read	480	300	5,087	5,209,429.3	3.0	11,971	12,258,645.3	24.7	17,059	17,468,074.7	18.2	56	58,226
1024KB	138	60% Seq 30% Read	480	300	5,008	5,128,192.0	3.6	11,567	11,844,266.7	25.0	16,575	16,972,458.7	18.6	55	56,574
1024KB	139	30% Seq 30% Read	480	300	4,848	4,964,010.7	4.0	11,240	11,509,418.7	25.7	16,087	16,473,429.3	19.2	53	54,911
1024KB	140	0% Seq 30% Read	480	300	4,770	4,884,138.7	4.2	11,080	11,345,578.7	26.0	15,849	16,229,717.3	19.5	52	54,098
1024KB	141	100% Seq 0% Read	480	300	-	-	-	12,482	12,781,226.7	24.7	12,482	12,781,226.7	24.7	41	42,604
1024KB	142	60% Seq 0% Read	480	300	-	-	-	12,202	12,494,848.0	25.5	12,202	12,494,848.0	25.5	40	41,649
1024KB	143	30% Seq 0% Read	480	300	-	-	-	12,037	12,325,546.7	25.8	12,037	12,325,546.7	25.8	40	41,085
1024KB	144	0% Seq 0% Read	480	300	-	-	-	11,865	12,149,418.7	26.1	11,865	12,149,418.7	26.1	39	40,497

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Worker count = 1

1/11/15

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

Pro 600 480GB ST480HM000 2.5" SATA SSD (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)	Seagate ST480HM Pro SSD 480GB Avg Resp (R+W)	Seagate ST480HM Pro SSD 480GB IOP Sec (R+W)	Seagate ST480HM Pro SSD 480GB 2.5" SSD KB Sec (R+W)
2048KB	145	100% Seq 100% Read	480	300	71,406	146,239,488	4.2	-	-	-	71,406	146,239,488	4.2	237	487,464
2048KB	146	60% Seq 100% Read	480	300	54,808	112,246,101.3	5.5	-	-	-	54,808	112,246,101.3	5.5	182	374,153
2048KB	147	30% Seq 100% Read	480	300	48,998	100,348,586.7	6.1	-	-	-	48,998	100,348,586.7	6.1	163	334,495
2048KB	148	0% Seq 100% Read	480	300	46,317	94,857,898.7	6.5	-	-	-	46,317	94,857,898.7	6.5	154	316,193
2048KB	149	100% Seq 60% Read	480	300	9,574	19,606,869.3	5.0	6,306	12,914,005.3	40.8	15,879	32,520,874.7	19.2	53	108,402
2048KB	150	60% Seq 60% Read	480	300	8,636	17,685,845.3	6.0	5,801	11,881,130.7	44.0	14,437	29,566,976.0	21.3	48	98,556
2048KB	151	30% Seq 60% Read	480	300	8,604	17,620,309.3	6.4	5,741	11,758,250.7	43.8	14,345	29,378,560.0	21.4	47	97,928
2048KB	152	0% Seq 60% Read	480	300	8,347	17,093,973.3	6.7	5,582	11,431,253.3	45.0	13,928	28,525,226.7	22.0	46	95,083
2048KB	153	100% Seq 30% Read	480	300	2,822	5,780,138.7	5.2	6,678	13,677,226.7	44.2	9,501	19,457,365.3	32.6	31	64,857
2048KB	154	60% Seq 30% Read	480	300	2,870	5,878,442.7	6.1	6,707	13,736,618.7	43.7	9,578	19,615,061.3	32.4	31	65,383
2048KB	155	30% Seq 30% Read	480	300	2,771	5,674,325.3	6.3	6,471	13,251,925.3	44.9	9,241	18,926,250.7	33.4	30	63,087
2048KB	156	0% Seq 30% Read	480	300	2,727	5,584,213.3	6.6	6,339	12,982,272.0	45.6	9,066	18,566,485.3	33.9	30	61,888
2048KB	157	100% Seq 0% Read	480	300	-	-	-	6,930	14,191,957.3	44.6	6,930	14,191,957.3	44.6	23	47,306
2048KB	158	60% Seq 0% Read	480	300	-	-	-	6,830	13,988,522.7	44.6	6,830	13,988,522.7	44.6	22	46,628
2048KB	159	30% Seq 0% Read	480	300	-	-	-	6,531	13,374,805.3	47.0	6,531	13,374,805.3	47.0	21	44,582
2048KB	160	0% Seq 0% Read	480	300	-	-	-	6,418	13,144,064.0	47.8	6,418	13,144,064.0	47.8	21	43,813