

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

STX ST6000NM0034 3.5" 7.2K 6TB 6Gb SATA (Exten Raw LSI SAS HBA' 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)	STX ST6000NM 7.2K 6Gb SATA 6TB Avg Resp (R+W)	STX ST6000NM 7.2K 6Gb SATA 6TB IOP Sec (R+W)	STX ST6000NM0034 7.2K 6Gb SATA 6TB KB Sec (R+W)
4KB	1	100% Seq 100% Read	480	300	15,079,168	60,316,672	0.02	-	-	-	15,079,168	60,316,672	0.02	50,263	201,055
4KB	2	60% Seq 100% Read	480	300	83,895	335,580.0	3.6	-	-	-	83,895	335,580.0	3.6	279	1,118
4KB	3	30% Seq 100% Read	480	300	49,098	196,392.0	6.1	-	-	-	49,098	196,392.0	6.1	163	654
4KB	4	0% Seq 100% Read	480	300	34,168	136,672.0	8.8	-	-	-	34,168	136,672.0	8.8	113	455
4KB	5	100% Seq 60% Read	480	300	50,953	203,812.0	-	34,103	136,412.0	8.8	85,056	340,224.0	3.5	283	1,134
4KB	6	60% Seq 60% Read	480	300	30,367	121,468.0	3.6	20,516	82,064.0	9.4	50,883	203,532.0	5.9	169	678
4KB	7	30% Seq 60% Read	480	300	24,010	96,040.0	6.1	16,087	64,348.0	9.5	40,097	160,388.0	7.5	133	534
4KB	8	0% Seq 60% Read	480	300	19,644	78,576.0	8.9	13,101	52,404.0	9.6	32,745	130,980.0	9.2	109	436
4KB	9	100% Seq 30% Read	480	300	15,270	61,080.0	-	35,024	140,096.0	8.6	50,294	201,176.0	6.0	167	670
4KB	10	60% Seq 30% Read	480	300	11,976	47,904.0	3.5	28,018	112,072.0	9.2	39,994	159,976.0	7.5	133	533
4KB	11	30% Seq 30% Read	480	300	9,842	39,368.0	6.7	23,637	94,548.0	9.9	33,479	133,916.0	9.0	111	446
4KB	12	0% Seq 30% Read	480	300	9,620	38,480.0	8.9	22,457	89,828.0	9.5	32,077	128,308.0	9.4	106	427
4KB	13	100% Seq 0% Read	480	300	-	-	-	35,239	140,956.0	8.5	35,239	140,956.0	8.5	117	469
4KB	14	60% Seq 0% Read	480	300	-	-	-	33,114	132,456.0	9.1	33,114	132,456.0	9.1	110	441
4KB	15	30% Seq 0% Read	480	300	-	-	-	31,490	125,960.0	9.5	31,490	125,960.0	9.5	104	419
4KB	16	0% Seq 0% Read	480	300	-	-	-	31,235	124,940.0	9.6	31,235	124,940.0	9.6	104	416

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STX ST6000NM0034 3.5" 7.2K 6TB 6Gb SATA (Exten 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)	STX ST6000NM 7.2K 6Gb SATA 6TB Avg Resp (R+W)	STX ST6000NM 7.2K 6Gb SATA 6TB IOP Sec (R+W)	STX ST6000NM0034 7.2K 6Gb SATA 6TB KB Sec (R+W)
8KB	17	100% Seq 100% Read	480	300	7,863,952	62,911,616	0.04	-	-	-	7,863,952	62,911,616	0.04	26,213	209,705
8KB	18	60% Seq 100% Read	480	300	83,821	670,568.0	3.6	-	-	-	83,821	670,568.0	3.6	279	2,235
8KB	19	30% Seq 100% Read	480	300	48,041	384,328.0	6.2	-	-	-	48,041	384,328.0	6.2	160	1,281
8KB	20	0% Seq 100% Read	480	300	33,894	271,152.0	8.9	-	-	-	33,894	271,152.0	8.9	112	903
8KB	21	100% Seq 60% Read	480	300	49,374	394,992.0	0.0	33,148	265,184.0	9.0	82,522	660,176.0	3.6	275	2,200
8KB	22	60% Seq 60% Read	480	300	29,805	238,440.0	3.7	19,923	159,384.0	9.5	49,728	397,824.0	6.0	165	1,326
8KB	23	30% Seq 60% Read	480	300	24,036	192,288.0	6.2	16,063	128,504.0	9.4	40,099	320,792.0	7.5	133	1,069
8KB	24	0% Seq 60% Read	480	300	19,584	156,672.0	8.9	13,016	104,128.0	9.6	32,600	260,800.0	9.2	108	869
8KB	25	100% Seq 30% Read	480	300	14,709	117,672.0	0.0	34,793	278,344.0	8.6	49,502	396,016.0	6.1	165	1,320
8KB	26	60% Seq 30% Read	480	300	11,932	95,456.0	3.7	27,641	221,128.0	9.3	39,573	316,584.0	7.6	131	1,055
8KB	27	30% Seq 30% Read	480	300	10,626	85,008.0	6.1	24,974	199,792.0	9.4	35,600	284,800.0	8.4	118	949
8KB	28	0% Seq 30% Read	480	300	9,622	76,976.0	8.9	22,384	179,072.0	9.6	32,006	256,048.0	9.4	106	853
8KB	29	100% Seq 0% Read	480	300	-	-	-	35,216	281,728.0	8.5	35,216	281,728.0	8.5	117	939
8KB	30	60% Seq 0% Read	480	300	-	-	-	33,258	266,064.0	9.0	33,258	266,064.0	9.0	110	886
8KB	31	30% Seq 0% Read	480	300	-	-	-	31,757	254,056.0	9.4	31,757	254,056.0	9.4	105	846
8KB	32	0% Seq 0% Read	480	300	-	-	-	31,279	250,232.0	9.6	31,279	250,232.0	9.6	104	834

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STX ST6000NM0034 3.5" 7.2K 6TB 6Gb SATA (Exten 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)	STX ST6000NM 7.2K 6Gb SATA 6TB Avg Resp (R+W)	STX ST6000NM 7.2K 6Gb SATA 6TB IOP Sec (R+W)	STX ST6000NM0034 7.2K 6Gb SATA 6TB KB Sec (R+W)
16KB	33	100% Seq 100% Read	480	300	4,018,416	64,294,656	0.07	-	-	-	4,018,416	64,294,656	0.07	13,394	214,315
16KB	34	60% Seq 100% Read	480	300	82,103	1,313,648.0	3.7	-	-	-	82,103	1,313,648.0	3.7	273	4,378
16KB	35	30% Seq 100% Read	480	300	47,761	764,176.0	6.3	-	-	-	47,761	764,176.0	6.3	159	2,547
16KB	36	0% Seq 100% Read	480	300	33,929	542,864.0	8.8	-	-	-	33,929	542,864.0	8.8	113	1,809
16KB	37	100% Seq 60% Read	480	300	48,471	775,536.0	0.0	32,082	513,312.0	9.3	80,553	1,288,848.0	3.7	268	4,296
16KB	38	60% Seq 60% Read	480	300	29,466	471,456.0	3.7	19,753	316,048.0	9.6	49,219	787,504.0	6.1	164	2,625
16KB	39	30% Seq 60% Read	480	300	23,925	382,800.0	6.2	16,072	257,152.0	9.5	39,997	639,952.0	7.5	133	2,133
16KB	40	0% Seq 60% Read	480	300	19,501	312,016.0	8.9	13,090	209,440.0	9.7	32,591	521,456.0	9.2	108	1,738
16KB	41	100% Seq 30% Read	480	300	14,700	235,200.0	0.0	34,094	545,504.0	8.8	48,794	780,704.0	6.2	162	2,602
16KB	42	60% Seq 30% Read	480	300	11,705	187,280.0	3.6	27,572	441,152.0	9.4	39,277	628,432.0	7.6	130	2,094
16KB	43	30% Seq 30% Read	480	300	10,281	164,496.0	6.6	23,875	382,000.0	9.7	34,156	546,496.0	8.8	113	1,821
16KB	44	0% Seq 30% Read	480	300	9,449	151,184.0	9.0	22,420	358,720.0	9.6	31,869	509,904.0	9.4	106	1,699
16KB	45	100% Seq 0% Read	480	300	-	-	-	35,264	564,224.0	8.5	35,264	564,224.0	8.5	117	1,880
16KB	46	60% Seq 0% Read	480	300	-	-	-	32,841	525,456.0	9.1	32,841	525,456.0	9.1	109	1,751
16KB	47	30% Seq 0% Read	480	300	-	-	-	32,174	514,784.0	9.3	32,174	514,784.0	9.3	107	1,715
16KB	48	0% Seq 0% Read	480	300	-	-	-	31,317	501,072.0	9.6	31,317	501,072.0	9.6	104	1,670

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STX ST6000NM0034 3.5" 7.2K 6TB 6Gb SATA (Exten 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)	STX ST6000NM 7.2K 6Gb SATA 6TB Avg Resp (R+W)	STX ST6000NM 7.2K 6Gb SATA 6TB IOP Sec (R+W)	STX ST6000NM0034 7.2K 6Gb SATA 6TB KB Sec (R+W)
32KB	49	100% Seq 100% Read	480	300	2,048,492	65,551,744	0.14	-	-	-	2,048,492	65,551,744	0.14	6,828	218,505
32KB	50	60% Seq 100% Read	480	300	78,752	2,520,064.0	3.8	-	-	-	78,752	2,520,064.0	3.8	262	8,400
32KB	51	30% Seq 100% Read	480	300	46,978	1,503,296.0	6.4	-	-	-	46,978	1,503,296.0	6.4	156	5,010
32KB	52	0% Seq 100% Read	480	300	33,713	1,078,816.0	8.9	-	-	-	33,713	1,078,816.0	8.9	112	3,596
32KB	53	100% Seq 60% Read	480	300	46,320	1,482,240.0	0.1	31,031	992,992.0	9.5	77,351	2,475,232.0	3.9	257	8,250
32KB	54	60% Seq 60% Read	480	300	29,927	957,664.0	3.6	20,000	640,000.0	9.6	49,927	1,597,664.0	6.0	166	5,325
32KB	55	30% Seq 60% Read	480	300	23,157	741,024.0	6.5	15,312	489,984.0	9.8	38,469	1,231,008.0	7.8	128	4,103
32KB	56	0% Seq 60% Read	480	300	19,691	630,112.0	8.9	12,867	411,744.0	9.7	32,558	1,041,856.0	9.2	108	3,472
32KB	57	100% Seq 30% Read	480	300	14,626	468,032.0	0.0	33,731	1,079,392.0	8.9	48,357	1,547,424.0	6.2	161	5,158
32KB	58	60% Seq 30% Read	480	300	11,425	365,600.0	3.7	27,265	872,480.0	9.4	38,690	1,238,080.0	7.8	128	4,126
32KB	59	30% Seq 30% Read	480	300	9,941	318,112.0	6.6	23,465	750,880.0	10.0	33,406	1,068,992.0	9.0	111	3,563
32KB	60	0% Seq 30% Read	480	300	9,502	304,064.0	9.1	21,986	703,552.0	9.7	31,488	1,007,616.0	9.5	104	3,358
32KB	61	100% Seq 0% Read	480	300	-	-	-	35,209	1,126,688.0	8.5	35,209	1,126,688.0	8.5	117	3,755
32KB	62	60% Seq 0% Read	480	300	-	-	-	32,874	1,051,968.0	9.1	32,874	1,051,968.0	9.1	109	3,506
32KB	63	30% Seq 0% Read	480	300	-	-	-	31,453	1,006,496.0	9.5	31,453	1,006,496.0	9.5	104	3,354
32KB	64	0% Seq 0% Read	480	300	-	-	-	31,008	992,256.0	9.7	31,008	992,256.0	9.7	103	3,307

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STX ST6000NM0034 3.5" 7.2K 6TB 6Gb SATA (Exten 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)	STX ST6000NM 7.2K 6Gb SATA 6TB Avg Resp (R+W)	STX ST6000NM 7.2K 6Gb SATA 6TB IOP Sec (R+W)	STX ST6000NM0034 7.2K 6Gb SATA 6TB KB Sec (R+W)
64KB	65	100% Seq 100% Read	480	300	1,030,930	65,979,520	0.29	-	-	-	1,030,930	65,979,520	0.29	3,436	219,931
64KB	66	60% Seq 100% Read	480	300	74,109	4,742,976.0	4.0	-	-	-	74,109	4,742,976.0	4.0	247	15,809
64KB	67	30% Seq 100% Read	480	300	45,918	2,938,752.0	6.5	-	-	-	45,918	2,938,752.0	6.5	153	9,795
64KB	68	0% Seq 100% Read	480	300	33,387	2,136,768.0	9.0	-	-	-	33,387	2,136,768.0	9.0	111	7,122
64KB	69	100% Seq 60% Read	480	300	39,493	2,527,552.0	0.6	26,231	1,678,784.0	10.5	65,724	4,206,336.0	4.6	219	14,021
64KB	70	60% Seq 60% Read	480	300	28,481	1,822,784.0	3.8	19,171	1,226,944.0	10.0	47,652	3,049,728.0	6.3	158	10,165
64KB	71	30% Seq 60% Read	480	300	23,258	1,488,512.0	6.4	15,263	976,832.0	9.9	38,521	2,465,344.0	7.8	128	8,217
64KB	72	0% Seq 60% Read	480	300	19,265	1,232,960.0	9.1	12,698	812,672.0	9.9	31,963	2,045,632.0	9.4	106	6,818
64KB	73	100% Seq 30% Read	480	300	13,551	867,264.0	0.2	31,508	2,016,512.0	9.4	45,059	2,883,776.0	6.7	150	9,612
64KB	74	60% Seq 30% Read	480	300	11,147	713,408.0	3.8	26,150	1,673,600.0	9.9	37,297	2,387,008.0	8.0	124	7,956
64KB	75	30% Seq 30% Read	480	300	10,430	667,520.0	6.2	24,214	1,549,696.0	9.7	34,644	2,217,216.0	8.7	115	7,390
64KB	76	0% Seq 30% Read	480	300	9,282	594,048.0	9.0	21,990	1,407,360.0	9.8	31,272	2,001,408.0	9.6	104	6,671
64KB	77	100% Seq 0% Read	480	300	-	-	-	34,609	2,214,976.0	8.7	34,609	2,214,976.0	8.7	115	7,383
64KB	78	60% Seq 0% Read	480	300	-	-	-	32,893	2,105,152.0	9.1	32,893	2,105,152.0	9.1	109	7,017
64KB	79	30% Seq 0% Read	480	300	-	-	-	31,192	1,996,288.0	9.6	31,192	1,996,288.0	9.6	103	6,654
64KB	80	0% Seq 0% Read	480	300	-	-	-	30,494	1,951,616.0	9.8	30,494	1,951,616.0	9.8	101	6,505

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STX ST6000NM0034 3.5" 7.2K 6TB 6Gb SATA (Exten 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)	STX ST6000NM 7.2K 6Gb SATA 6TB Avg Resp (R+W)	STX ST6000NM 7.2K 6Gb SATA 6TB IOP Sec (R+W)	STX ST6000NM0034 7.2K 6Gb SATA 6TB KB Sec (R+W)
128KB	81	100% Seq 100% Read	480	300	511,413	65,460,864	0.58	-	-	-	511,413	65,460,864	0.58	1,704	218,202
128KB	82	60% Seq 100% Read	480	300	65,814	8,424,192.0	4.6	-	-	-	65,814	8,424,192.0	4.6	219	28,080
128KB	83	30% Seq 100% Read	480	300	43,174	5,526,272.0	6.9	-	-	-	43,174	5,526,272.0	6.9	143	18,420
128KB	84	0% Seq 100% Read	480	300	32,646	4,178,688.0	9.2	-	-	-	32,646	4,178,688.0	9.2	108	13,928
128KB	85	100% Seq 60% Read	480	300	38,370	4,911,360.0	0.9	26,035	3,332,480.0	10.2	64,405	8,243,840.0	4.7	214	27,479
128KB	86	60% Seq 60% Read	480	300	26,668	3,413,504.0	4.2	17,733	2,269,824.0	10.5	44,401	5,683,328.0	6.8	148	18,944
128KB	87	30% Seq 60% Read	480	300	21,886	2,801,408.0	6.7	14,649	1,875,072.0	10.4	36,535	4,676,480.0	8.2	121	15,588
128KB	88	0% Seq 60% Read	480	300	18,677	2,390,656.0	9.2	12,524	1,603,072.0	10.2	31,201	3,993,728.0	9.6	104	13,312
128KB	89	100% Seq 30% Read	480	300	11,220	1,436,160.0	1.3	26,962	3,451,136.0	10.6	38,182	4,887,296.0	7.9	127	16,290
128KB	90	60% Seq 30% Read	480	300	10,960	1,402,880.0	4.1	25,098	3,212,544.0	10.2	36,058	4,615,424.0	8.3	120	15,384
128KB	91	30% Seq 30% Read	480	300	9,654	1,235,712.0	6.7	22,857	2,925,696.0	10.3	32,511	4,161,408.0	9.2	108	13,871
128KB	92	0% Seq 30% Read	480	300	9,043	1,157,504.0	9.3	21,160	2,708,480.0	10.2	30,203	3,865,984.0	9.9	100	12,886
128KB	93	100% Seq 0% Read	480	300	-	-	-	33,450	4,281,600.0	9.0	33,450	4,281,600.0	9.0	111	14,272
128KB	94	60% Seq 0% Read	480	300	-	-	-	31,444	4,024,832.0	9.5	31,444	4,024,832.0	9.5	104	13,416
128KB	95	30% Seq 0% Read	480	300	-	-	-	29,870	3,823,360.0	10.0	29,870	3,823,360.0	10.0	99	12,744
128KB	96	0% Seq 0% Read	480	300	-	-	-	29,596	3,788,288.0	10.1	29,596	3,788,288.0	10.1	98	12,627

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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)	STX ST6000NM 7.2K 6Gb SATA 6TB Avg Resp (R+W)	STX ST6000NM 7.2K 6Gb SATA 6TB IOP Sec (R+W)	STX ST6000NM0034 7.2K 6Gb SATA 6TB KB Sec (R+W)
256KB	97	100% Seq 100% Read	480	300	257,495	65,918,720	1.16	-	-	-	257,495	65,918,720	1.16	858	219,729
256KB	98	60% Seq 100% Read	480	300	45,508	11,650,048.0	6.6	-	-	-	45,508	11,650,048.0	6.6	151	38,833
256KB	99	30% Seq 100% Read	480	300	38,554	9,869,824.0	7.8	-	-	-	38,554	9,869,824.0	7.8	128	32,899
256KB	100	0% Seq 100% Read	480	300	30,579	7,828,224.0	9.8	-	-	-	30,579	7,828,224.0	9.8	101	26,094
256KB	101	100% Seq 60% Read	480	300	32,136	8,226,816.0	2.0	21,164	5,417,984.0	11.2	53,300	13,644,800.0	5.6	177	45,482
256KB	102	60% Seq 60% Read	480	300	22,931	5,870,336.0	5.4	15,376	3,936,256.0	11.4	38,307	9,806,592.0	7.8	127	32,688
256KB	103	30% Seq 60% Read	480	300	19,539	5,001,984.0	7.7	13,152	3,366,912.0	11.4	32,691	8,368,896.0	9.2	108	27,896
256KB	104	0% Seq 60% Read	480	300	17,438	4,464,128.0	9.8	11,648	2,981,888.0	11.1	29,086	7,446,016.0	10.3	96	24,820
256KB	105	100% Seq 30% Read	480	300	11,718	2,999,808.0	2.1	27,078	6,931,968.0	10.2	38,796	9,931,776.0	7.7	129	33,105
256KB	106	60% Seq 30% Read	480	300	10,031	2,567,936.0	4.9	23,441	6,000,896.0	10.7	33,472	8,568,832.0	9.0	111	28,562
256KB	107	30% Seq 30% Read	480	300	9,030	2,311,680.0	7.5	21,068	5,393,408.0	11.0	30,098	7,705,088.0	10.0	100	25,683
256KB	108	0% Seq 30% Read	480	300	8,392	2,148,352.0	9.8	19,797	5,068,032.0	11.0	28,189	7,216,384.0	10.6	93	24,054
256KB	109	100% Seq 0% Read	480	300	-	-	-	31,412	8,041,472.0	9.6	31,412	8,041,472.0	9.6	104	26,804
256KB	110	60% Seq 0% Read	480	300	-	-	-	29,665	7,594,240.0	10.1	29,665	7,594,240.0	10.1	98	25,314
256KB	111	30% Seq 0% Read	480	300	-	-	-	27,968	7,159,808.0	10.7	27,968	7,159,808.0	10.7	93	23,866
256KB	112	0% Seq 0% Read	480	300	-	-	-	27,361	7,004,416.0	11.0	27,361	7,004,416.0	11.0	91	23,348

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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

STX ST6000NM0034 3.5" 7.2K 6TB 6Gb SATA (Exten 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)	STX ST6000NM 7.2K 6Gb SATA 6TB Avg Resp (R+W)	STX ST6000NM 7.2K 6Gb SATA 6TB IOP Sec (R+W)	STX ST6000NM0034 7.2K 6Gb SATA 6TB KB Sec (R+W)
512KB	113	100% Seq 100% Read	480	300	128,343	65,711,616	2.33	-	-	-	128,343	65,711,616	2.33	427	219,038
512KB	114	60% Seq 100% Read	480	300	38,751	19,840,512.0	7.7	-	-	-	38,751	19,840,512.0	7.7	129	66,135
512KB	115	30% Seq 100% Read	480	300	32,207	16,489,984.0	9.3	-	-	-	32,207	16,489,984.0	9.3	107	54,966
512KB	116	0% Seq 100% Read	480	300	27,346	14,001,152.0	11.0	-	-	-	27,346	14,001,152.0	11.0	91	46,670
512KB	117	100% Seq 60% Read	480	300	24,831	12,713,472.0	3.6	16,476	8,435,712.0	12.8	41,307	21,149,184.0	7.3	137	70,497
512KB	118	60% Seq 60% Read	480	300	19,047	9,752,064.0	7.0	12,710	6,507,520.0	13.1	31,757	16,259,584.0	9.4	105	54,198
512KB	119	30% Seq 60% Read	480	300	16,648	8,523,776.0	9.1	11,359	5,815,808.0	13.1	28,007	14,339,584.0	10.7	93	47,798
512KB	120	0% Seq 60% Read	480	300	15,264	7,815,168.0	11.2	10,178	5,211,136.0	12.6	25,442	13,026,304.0	11.8	84	43,421
512KB	121	100% Seq 30% Read	480	300	10,261	5,253,632.0	3.1	23,848	12,210,176.0	11.3	34,109	17,463,808.0	8.8	113	58,212
512KB	122	60% Seq 30% Read	480	300	8,310	4,254,720.0	7.1	19,528	9,998,336.0	12.3	27,838	14,253,056.0	10.8	92	47,510
512KB	123	30% Seq 30% Read	480	300	8,101	4,147,712.0	8.7	18,300	9,369,600.0	12.6	26,401	13,517,312.0	11.4	88	45,057
512KB	124	0% Seq 30% Read	480	300	7,373	3,774,976.0	11.3	17,103	8,756,736.0	12.7	24,476	12,531,712.0	12.3	81	41,772
512KB	125	100% Seq 0% Read	480	300	-	-	-	27,978	14,324,736.0	10.7	27,978	14,324,736.0	10.7	93	47,749
512KB	126	60% Seq 0% Read	480	300	-	-	-	25,704	13,160,448.0	11.7	25,704	13,160,448.0	11.7	85	43,868
512KB	127	30% Seq 0% Read	480	300	-	-	-	24,384	12,484,608.0	12.3	24,384	12,484,608.0	12.3	81	41,615
512KB	128	0% Seq 0% Read	480	300	-	-	-	23,876	12,224,512.0	12.6	23,876	12,224,512.0	12.6	79	40,748

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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

STX ST6000NM0034 3.5" 7.2K 6TB 6Gb SATA (Exten 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)	STX ST6000NM 7.2K 6Gb SATA 6TB Avg Resp (R+W)	STX ST6000NM 7.2K 6Gb SATA 6TB IOP Sec (R+W)	STX ST6000NM0034 7.2K 6Gb SATA 6TB KB Sec (R+W)
1024KB	129	100% Seq 100% Read	480	300	63,902	65,435,648	4.69	-	-	-	63,902	65,435,648	4.69	213	218,118
1024KB	130	60% Seq 100% Read	480	300	22,104	22,634,496.0	13.6	-	-	-	22,104	22,634,496.0	13.6	73	75,448
1024KB	131	30% Seq 100% Read	480	300	16,724	17,125,376.0	17.9	-	-	-	16,724	17,125,376.0	17.9	55	57,084
1024KB	132	0% Seq 100% Read	480	300	13,735	14,064,640.0	21.8	-	-	-	13,735	14,064,640.0	21.8	45	46,882
1024KB	133	100% Seq 60% Read	480	300	15,079	15,440,896.0	6.3	10,124	10,366,976.0	20.2	25,203	25,807,872.0	11.9	84	86,026
1024KB	134	60% Seq 60% Read	480	300	12,611	12,913,664.0	10.9	8,300	8,499,200.0	19.6	20,911	21,412,864.0	14.3	69	71,376
1024KB	135	30% Seq 60% Read	480	300	10,295	10,542,080.0	15.5	7,005	7,173,120.0	20.0	17,300	17,715,200.0	17.3	57	59,050
1024KB	136	0% Seq 60% Read	480	300	9,557	9,786,368.0	18.4	6,378	6,531,072.0	19.4	15,935	16,317,440.0	18.8	53	54,391
1024KB	137	100% Seq 30% Read	480	300	5,778	5,916,672.0	5.8	13,375	13,696,000.0	19.9	19,153	19,612,672.0	15.7	63	65,375
1024KB	138	60% Seq 30% Read	480	300	5,154	5,277,696.0	10.7	11,814	12,097,536.0	20.7	16,968	17,375,232.0	17.7	56	57,917
1024KB	139	30% Seq 30% Read	480	300	4,691	4,803,584.0	13.7	11,002	11,266,048.0	21.4	15,693	16,069,632.0	19.1	52	53,565
1024KB	140	0% Seq 30% Read	480	300	4,449	4,555,776.0	15.9	10,685	10,941,440.0	21.5	15,134	15,497,216.0	19.8	50	51,657
1024KB	141	100% Seq 0% Read	480	300	-	-	-	15,268	15,634,432.0	19.6	15,268	15,634,432.0	19.6	50	52,114
1024KB	142	60% Seq 0% Read	480	300	-	-	-	13,498	13,821,952.0	22.2	13,498	13,821,952.0	22.2	44	46,073
1024KB	143	30% Seq 0% Read	480	300	-	-	-	12,790	13,096,960.0	23.5	12,790	13,096,960.0	23.5	42	43,656
1024KB	144	0% Seq 0% Read	480	300	-	-	-	12,762	13,068,288.0	23.5	12,762	13,068,288.0	23.5	42	43,560

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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

STX ST6000NM0034 3.5" 7.2K 6TB 6Gb SATA (Exten 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)	STX ST6000NM 7.2K 6Gb SATA 6TB Avg Resp (R+W)	STX ST6000NM 7.2K 6Gb SATA 6TB IOP Sec (R+W)	STX ST6000NM0034 7.2K 6Gb SATA 6TB KB Sec (R+W)
2048KB	145	100% Seq 100% Read	480	300	32,194	65,933,312	9.31	-	-	-	32,194	65,933,312	9.31	107	219,777
2048KB	146	60% Seq 100% Read	480	300	16,522	33,837,056.0	18.2	-	-	-	16,522	33,837,056.0	18.2	55	112,790
2048KB	147	30% Seq 100% Read	480	300	13,146	26,923,008.0	22.8	-	-	-	13,146	26,923,008.0	22.8	43	89,743
2048KB	148	0% Seq 100% Read	480	300	11,241	23,021,568.0	26.7	-	-	-	11,241	23,021,568.0	26.7	37	76,738
2048KB	149	100% Seq 60% Read	480	300	10,735	21,985,280.0	10.5	7,001	14,338,048.0	26.8	17,736	36,323,328.0	16.9	59	121,077
2048KB	150	60% Seq 60% Read	480	300	8,396	17,195,008.0	16.8	5,543	11,352,064.0	28.7	13,939	28,547,072.0	21.5	46	95,156
2048KB	151	30% Seq 60% Read	480	300	7,474	15,306,752.0	20.8	4,998	10,235,904.0	28.9	12,472	25,542,656.0	24.1	41	85,142
2048KB	152	0% Seq 60% Read	480	300	7,123	14,587,904.0	23.1	4,720	9,666,560.0	28.7	11,843	24,254,464.0	25.3	39	80,848
2048KB	153	100% Seq 30% Read	480	300	4,047	8,288,256.0	11.5	9,224	18,890,752.0	27.5	13,271	27,179,008.0	22.6	44	90,596
2048KB	154	60% Seq 30% Read	480	300	3,257	6,670,336.0	16.8	7,652	15,671,296.0	32.0	10,909	22,341,632.0	27.5	36	74,472
2048KB	155	30% Seq 30% Read	480	300	3,240	6,635,520.0	19.0	7,353	15,058,944.0	32.4	10,593	21,694,464.0	28.3	35	72,314
2048KB	156	0% Seq 30% Read	480	300	3,000	6,144,000.0	20.7	7,244	14,835,712.0	32.8	10,244	20,979,712.0	29.3	34	69,932
2048KB	157	100% Seq 0% Read	480	300	-	-	-	10,630	21,770,240.0	28.2	10,630	21,770,240.0	28.2	35	72,567
2048KB	158	60% Seq 0% Read	480	300	-	-	-	8,884	18,194,432.0	33.8	8,884	18,194,432.0	33.8	29	60,648
2048KB	159	30% Seq 0% Read	480	300	-	-	-	8,310	17,018,880.0	36.1	8,310	17,018,880.0	36.1	27	56,729
2048KB	160	0% Seq 0% Read	480	300	-	-	-	8,094	16,576,512.0	37.1	8,094	16,576,512.0	37.1	26	55,255