

Large Database Query - 1024KiB with 4 I/Os per stream

Test Run Sequence - Ramp-Up Interval

TR1				TR2				TR3				TR4				TR5			
Test Run Sequence Time	8 Streams			Test Run Sequence Time	4 Streams			Test Run Sequence Time	3 Streams			Test Run Sequence Time	2 Streams			Test Run Sequence Time	1 Stream		
	Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms		Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms		Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms		Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms		Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms
0:00:00	1,896.66	948.33	3.25	0:07:00	1,786.98	1,786.98	2.32	0:14:00	2,213.12	1,106.56	2.68	0:21:00	1,795.16	1,795.16	2.31	0:28:00	1,830.81	1,830.81	2.26
0:00:05	3,205.92	1,068.64	3.45	0:07:05	1,815.92	1,815.92	2.31	0:14:05	3,160.41	1,580.20	2.65	0:21:05	1,823.26	1,823.26	2.30	0:28:05	1,862.06	1,862.06	2.25
0:00:10	3,570.19	1,190.06	3.52	0:07:10	1,818.44	1,818.44	2.31	0:14:10	3,394.03	1,697.02	2.47	0:21:10	2,618.50	1,309.25	2.30	0:28:10	1,848.64	1,848.64	2.27
0:00:15	4,099.30	1,024.83	3.92	0:07:15	1,799.36	1,799.36	2.33	0:14:15	3,434.72	1,717.36	2.44	0:21:15	3,604.58	1,802.29	2.33	0:28:15	1,845.91	1,845.91	2.27
0:00:20	4,155.93	1,038.98	4.04	0:07:20	1,816.55	1,816.55	2.31	0:14:20	2,987.18	1,493.59	2.81	0:21:20	3,598.08	1,799.04	2.33	0:28:20	1,846.33	1,846.33	2.27
0:00:25	4,158.65	1,039.66	4.03	0:07:25	1,809.63	1,809.63	2.32	0:14:25	3,149.08	1,574.54	2.66	0:21:25	3,612.34	1,806.17	2.32	0:28:25	1,851.58	1,851.58	2.26
0:00:30	4,157.39	1,039.35	4.03	0:07:30	1,916.80	958.40	2.33	0:14:30	3,298.82	1,649.41	2.54	0:21:30	3,607.31	1,803.66	2.32	0:28:30	1,848.01	1,848.01	2.27
0:00:35	4,158.65	1,039.66	4.03	0:07:35	4,069.52	1,356.51	2.41	0:14:35	4,432.54	1,477.51	2.79	0:21:35	3,612.76	1,806.38	2.32	0:28:35	1,844.65	1,844.65	2.27
0:00:40	5,601.28	1,120.26	3.74	0:07:40	5,056.65	1,685.55	2.49	0:14:40	4,790.31	1,596.77	2.63	0:21:40	3,619.89	1,809.95	2.32	0:28:40	1,845.49	1,845.49	2.27
0:00:45	5,593.73	1,118.75	3.75	0:07:45	5,069.66	1,689.89	2.48	0:14:45	4,711.46	1,570.49	2.67	0:21:45	3,613.39	1,806.70	2.32	0:28:45	1,857.87	1,857.87	2.26
0:00:50	5,751.23	958.54	4.19	0:07:50	5,046.17	1,682.06	2.49	0:14:50	4,915.72	1,638.57	2.56	0:21:50	3,625.98	1,812.99	2.31	0:28:50	1,857.87	1,857.87	2.26
0:00:55	6,068.53	866.93	4.61	0:07:55	5,080.56	1,693.52	2.48	0:14:55	4,722.16	1,574.05	2.66	0:21:55	3,618.85	1,809.42	2.32	0:28:55	1,855.77	1,855.77	2.26
0:01:00	6,205.26	886.47	4.73	0:08:00	5,067.77	1,689.26	2.48	0:15:00	4,696.78	1,565.59	2.68	0:22:00	3,612.97	1,806.49	2.32	0:29:00	1,865.42	1,865.42	2.25
0:01:05	6,200.86	775.11	4.74	0:08:05	5,069.66	1,689.89	2.48	0:15:05	4,648.55	1,549.52	2.71	0:22:05	3,598.50	1,799.25	2.33	0:29:05	1,859.33	1,859.33	2.26
0:01:10	6,229.38	778.67	5.39	0:08:10	5,379.82	1,344.96	2.64	0:15:10	4,943.83	1,647.94	2.55	0:22:10	3,615.91	1,807.95	2.32	0:29:10	1,846.75	1,846.75	2.27
0:01:15	6,220.99	777.62	5.40	0:08:15	5,885.45	1,471.36	2.85	0:15:15	4,602.41	1,534.14	2.73	0:22:15	3,577.32	1,788.66	2.34	0:29:15	1,855.56	1,855.56	2.26
0:01:20	6,207.78	775.97	5.40	0:08:20	5,893.42	1,473.35	2.85	0:15:20	4,482.24	1,494.08	2.81	0:22:20	3,598.29	1,799.15	2.33	0:29:20	1,861.85	1,861.85	2.25
0:01:25	6,225.82	778.23	5.39	0:08:25	5,880.20	1,470.05	2.85	0:15:25	4,629.67	1,543.22	2.72	0:22:25	3,580.26	1,790.13	2.34	0:29:25	1,857.87	1,857.87	2.26
0:01:30	6,201.07	775.13	5.41	0:08:30	5,883.77	1,470.94	2.85	0:15:30	4,755.08	1,585.03	2.64	0:22:30	3,570.61	1,785.31	2.35	0:29:30	1,848.43	1,848.43	2.27
0:01:35	6,211.76	776.47	5.40	0:08:35	5,884.82	1,471.20	2.85	0:15:35	4,604.30	1,534.77	2.73	0:22:35	3,549.22	1,774.61	2.36	0:29:35	1,863.32	1,863.32	2.25
0:01:40	6,210.72	776.34	5.40	0:08:40	5,879.58	1,469.89	2.85	0:15:40	4,385.77	1,461.92	2.87	0:22:40	3,596.83	1,798.41	2.33	0:29:40	1,858.92	1,858.92	2.26
0:01:45	6,218.27	777.28	5.40	0:08:45	5,879.99	1,470.00	2.85	0:15:45	4,433.38	1,477.79	2.84	0:22:45	3,605.21	1,802.61	2.33	0:29:45	1,846.33	1,846.33	2.27
0:01:50	6,212.81	776.60	5.40	0:08:50	5,884.40	1,471.10	2.85	0:15:50	4,909.85	1,636.62	2.56	0:22:50	3,582.36	1,791.18	2.34	0:29:50	1,845.28	1,845.28	2.27
0:01:55	6,201.70	775.21	5.42	0:08:55	5,873.28	1,468.32	2.86	0:15:55	4,595.91	1,531.97	2.74	0:22:55	3,574.39	1,787.19	2.35	0:29:55	1,842.98	1,842.98	2.27
0:02:00	6,205.05	775.63	5.40	0:09:00	5,873.28	1,468.32	2.85	0:16:00	4,750.68	1,583.56	2.65	0:23:00	3,599.34	1,799.67	2.33	0:30:00	1,845.28	1,845.28	2.27
0:02:05	6,217.43	777.18	5.40	0:09:05	5,889.85	1,472.46	2.85	0:16:05	4,546.42	1,515.47	2.77	0:23:05	3,585.50	1,792.75	2.34	0:30:05	1,848.43	1,848.43	2.27
0:02:10	6,223.09	777.89	5.39	0:09:10	5,891.74	1,472.93	2.85	0:16:10	4,620.65	1,540.22	2.72	0:23:10	3,559.71	1,779.85	2.35	0:30:10	1,836.90	1,836.90	2.28
0:02:15	6,218.68	777.34	5.40	0:09:15	5,885.24	1,471.31	2.85	0:16:15	4,635.34	1,545.11	2.72	0:23:15	3,588.44	1,794.22	2.34	0:30:15	1,849.69	1,849.69	2.27
0:02:20	6,207.99	776.00	5.40	0:09:20	5,885.45	1,471.36	2.85	0:16:20	4,668.89	1,556.30	2.69	0:23:20	3,593.68	1,796.84	2.33	0:30:20	1,846.54	1,846.54	2.27
0:02:25	6,222.67	777.83	5.39	0:09:25	5,884.82	1,471.20	2.85	0:16:25	4,498.60	1,499.53	2.80	0:23:25	3,590.32	1,795.16	2.34	0:30:25	1,855.98	1,855.98	2.26
0:02:30	6,219.94	777.49	5.40	0:09:30	5,866.36	1,466.59	2.86	0:16:30	4,694.06	1,564.69	2.68	0:23:30	3,569.77	1,784.89	2.35	0:30:30	1,841.09	1,841.09	2.28
0:02:35	6,200.23	775.03	5.41	0:09:35	5,887.75	1,471.94	2.85	0:16:35	4,717.33	1,572.44	2.67	0:23:35	3,570.40	1,785.20	2.35	0:30:35	1,831.23	1,831.23	2.29
0:02:40	6,215.96	776.99	5.40	0:09:40	5,893.42	1,473.35	2.85	0:16:40	4,808.35	1,602.78	2.62	0:23:40	3,559.50	1,779.75	2.36	0:30:40	1,818.86	1,818.86	2.31
0:02:45	6,217.43	777.18	5.40	0:09:45	5,863.43	1,465.86	2.86	0:16:45	4,738.51	1,579.50	2.65	0:23:45	3,561.38	1,780.69	2.35	0:30:45	1,819.91	1,819.91	2.31
0:02:50	6,216.59	777.07	5.40	0:09:50	5,882.30	1,470.58	2.85	0:16:50	4,774.38	1,591.46	2.63	0:23:50	3,558.24	1,779.12	2.36	0:30:50	1,827.04	1,827.04	2.29
0:02:55	6,223.51	777.94	5.39	0:09:55	5,879.79	1,469.95	2.85	0:16:55	4,645.61	1,548.54	2.71	0:23:55	3,552.16	1,776.08	2.36	0:30:55	1,819.91	1,819.91	2.30

Large Database Query - 1024KiB with 4 I/Os per stream

Test Run Sequence = Measurement Interval

TR1				TR2				TR3				TR4				TR5			
Test Run Sequence Time	8 Streams			Test Run Sequence Time	4 Streams			Test Run Sequence Time	3 Streams			Test Run Sequence Time	2 Streams			Test Run Sequence Time	1 Stream		
	Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms		Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms		Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms		Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms		Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms
0:03:00	6,202.96	775.37	5.40	0:10:00	5,877.27	1,469.32	2.85	0:17:00	4,671.20	1,557.07	2.69	0:24:00	3,543.35	1,771.67	2.37	0:31:00	1,810.05	1,810.05	2.32
0:03:05	6,218.27	777.28	5.40	0:10:05	5,878.11	1,469.53	2.85	0:17:05	5,018.28	1,672.76	2.51	0:24:05	3,550.69	1,775.34	2.36	0:31:05	1,818.86	1,818.86	2.31
0:03:10	6,215.33	776.92	5.40	0:10:10	5,888.17	1,472.04	2.85	0:17:10	4,486.65	1,495.55	2.81	0:24:10	3,578.16	1,789.08	2.34	0:31:10	1,814.88	1,814.88	2.31
0:03:15	6,220.57	777.57	5.40	0:10:15	5,876.43	1,469.11	2.85	0:17:15	4,813.38	1,604.46	2.61	0:24:15	3,547.96	1,773.98	2.36	0:31:15	1,817.39	1,817.39	2.31
0:03:20	5,778.70	722.34	5.80	0:10:20	5,888.38	1,472.10	2.85	0:17:20	4,492.31	1,497.44	2.80	0:24:20	3,583.19	1,791.60	2.34	0:31:20	1,817.81	1,817.81	2.31
0:03:25	6,215.12	776.89	5.40	0:10:25	5,887.13	1,471.78	2.85	0:17:25	4,856.37	1,618.79	2.59	0:24:25	3,567.05	1,783.52	2.35	0:31:25	1,814.88	1,814.88	2.31
0:03:30	6,221.83	777.73	5.40	0:10:30	5,871.82	1,467.95	2.85	0:17:30	4,776.26	1,592.09	2.63	0:24:30	3,564.74	1,782.37	2.35	0:31:30	1,820.96	1,820.96	2.30
0:03:35	6,214.91	776.86	5.39	0:10:35	5,878.11	1,469.53	2.85	0:17:35	4,794.93	1,598.31	2.62	0:24:35	3,558.03	1,779.01	2.36	0:31:35	1,821.59	1,821.59	2.30
0:03:40	6,212.60	776.58	5.40	0:10:40	5,886.29	1,471.57	2.85	0:17:40	4,866.65	1,622.22	2.58	0:24:40	3,566.63	1,783.31	2.35	0:31:40	1,809.42	1,809.42	2.32
0:03:45	6,214.91	776.86	5.40	0:10:45	5,894.26	1,473.56	2.85	0:17:45	4,466.51	1,488.84	2.82	0:24:45	3,562.01	1,781.01	2.35	0:31:45	1,811.10	1,811.10	2.32
0:03:50	6,219.73	777.47	5.39	0:10:50	5,888.38	1,472.10	2.85	0:17:50	4,709.99	1,570.00	2.67	0:24:50	3,545.86	1,772.93	2.37	0:31:50	1,814.25	1,814.25	2.31
0:03:55	6,222.67	777.83	5.40	0:10:55	5,891.53	1,472.88	2.85	0:17:55	4,612.69	1,537.56	2.73	0:24:55	3,547.75	1,773.88	2.36	0:31:55	1,827.88	1,827.88	2.29
0:04:00	6,203.80	775.47	5.40	0:11:00	5,866.57	1,466.64	2.86	0:18:00	4,680.00	1,560.00	2.69	0:25:00	3,564.11	1,782.05	2.35	0:32:00	1,807.95	1,807.95	2.32
0:04:05	6,217.01	777.13	5.40	0:11:05	5,891.32	1,472.83	2.85	0:18:05	4,400.03	1,466.68	2.86	0:25:05	3,588.02	1,794.01	2.34	0:32:05	1,821.59	1,821.59	2.30
0:04:10	6,220.15	777.52	5.40	0:11:10	5,876.85	1,469.21	2.85	0:18:10	4,578.08	1,526.03	2.75	0:25:10	3,585.50	1,792.75	2.34	0:32:10	1,815.92	1,815.92	2.31
0:04:15	6,218.27	777.28	5.40	0:11:15	5,884.82	1,471.20	2.85	0:18:15	4,553.76	1,517.92	2.76	0:25:15	3,564.32	1,782.16	2.35	0:32:15	1,816.34	1,816.34	2.31
0:04:20	6,202.96	775.37	5.40	0:11:20	5,901.60	1,475.40	2.84	0:18:20	4,716.29	1,572.10	2.67	0:25:20	3,531.18	1,765.59	2.38	0:32:20	1,811.73	1,811.73	2.31
0:04:25	6,219.52	777.44	5.40	0:11:25	5,890.90	1,472.72	2.85	0:18:25	4,453.51	1,484.50	2.82	0:25:25	3,560.96	1,780.48	2.35	0:32:25	1,827.25	1,827.25	2.30
0:04:30	6,218.89	777.36	5.40	0:11:30	5,884.40	1,471.10	2.85	0:18:30	4,518.10	1,506.03	2.78	0:25:30	3,541.25	1,770.63	2.37	0:32:30	1,813.62	1,813.62	2.31
0:04:35	6,209.88	776.23	5.40	0:11:35	5,884.82	1,471.20	2.85	0:18:35	4,719.43	1,573.14	2.67	0:25:35	3,558.24	1,779.12	2.36	0:32:35	1,810.89	1,810.89	2.32
0:04:40	6,216.38	777.05	5.40	0:11:40	5,886.71	1,471.68	2.85	0:18:40	4,661.13	1,553.71	2.70	0:25:40	3,577.95	1,788.98	2.34	0:32:40	1,825.78	1,825.78	2.30
0:04:45	6,223.30	777.91	5.39	0:11:45	5,888.59	1,472.15	2.85	0:18:45	4,543.69	1,514.56	2.77	0:25:45	3,567.05	1,783.52	2.35	0:32:45	1,818.44	1,818.44	2.31
0:04:50	6,187.23	773.40	5.42	0:11:50	5,879.37	1,469.84	2.85	0:18:50	4,376.97	1,458.99	2.87	0:25:50	3,553.41	1,776.71	2.36	0:32:50	1,816.13	1,816.13	2.31
0:04:55	6,227.70	778.46	5.40	0:11:55	5,881.25	1,470.31	2.85	0:18:55	4,724.04	1,574.68	2.66	0:25:55	3,560.54	1,780.27	2.35	0:32:55	1,822.63	1,822.63	2.30
0:05:00	6,213.02	776.63	5.39	0:12:00	5,885.66	1,471.41	2.85	0:19:00	4,648.55	1,549.52	2.71	0:26:00	3,566.84	1,783.42	2.35	0:33:00	1,828.09	1,828.09	2.29
0:05:05	6,219.73	777.47	5.40	0:12:05	5,875.38	1,468.85	2.86	0:19:05	4,811.50	1,603.83	2.61	0:26:05	3,553.62	1,776.81	2.36	0:33:05	1,829.35	1,829.35	2.29
0:05:10	6,221.20	777.65	5.40	0:12:10	5,875.17	1,468.79	2.85	0:19:10	4,546.84	1,515.61	2.77	0:26:10	3,559.29	1,779.64	2.36	0:33:10	1,811.94	1,811.94	2.32
0:05:15	6,220.78	777.60	5.40	0:12:15	5,890.27	1,472.57	2.85	0:19:15	4,780.25	1,593.42	2.63	0:26:15	3,540.20	1,770.10	2.37	0:33:15	1,832.28	1,832.28	2.29
0:05:20	6,208.62	776.08	5.40	0:12:20	5,884.19	1,471.05	2.85	0:19:20	4,778.15	1,592.72	2.63	0:26:20	3,563.27	1,781.64	2.35	0:33:20	1,812.15	1,812.15	2.31
0:05:25	6,220.99	777.62	5.39	0:12:25	5,897.82	1,474.46	2.85	0:19:25	4,686.92	1,562.31	2.68	0:26:25	3,574.81	1,787.40	2.35	0:33:25	1,821.80	1,821.80	2.30
0:05:30	6,223.51	777.94	5.39	0:12:30	5,888.17	1,472.04	2.85	0:19:30	4,773.12	1,591.04	2.63	0:26:30	3,549.22	1,774.61	2.36	0:33:30	1,817.60	1,817.60	2.31
0:05:35	6,210.09	776.26	5.40	0:12:35	5,861.96	1,465.49	2.86	0:19:35	4,570.95	1,523.65	2.75	0:26:35	3,558.45	1,779.22	2.36	0:33:35	1,823.26	1,823.26	2.30
0:05:40	6,213.23	776.65	5.40	0:12:40	5,882.51	1,470.63	2.85	0:19:40	4,516.01	1,505.34	2.79	0:26:40	3,576.69	1,788.35	2.34	0:33:40	1,816.76	1,816.76	2.31
0:05:45	6,223.30	777.91	5.39	0:12:45	5,876.22	1,469.05	2.86	0:19:45	4,637.43	1,545.81	2.71	0:26:45	3,584.03	1,792.02	2.34	0:33:45	1,816.97	1,816.97	2.31
0:05:50	6,214.49	776.81	5.40	0:12:50	5,873.28	1,468.32	2.85	0:19:50	4,380.32	1,460.11	2.87	0:26:50	3,552.16	1,776.08	2.36	0:33:50	1,820.12	1,820.12	2.30
0:05:55	6,224.56	778.07	5.40	0:12:55	5,889.85	1,472.46	2.85	0:19:55	4,668.89	1,556.30	2.69	0:26:55	3,552.37	1,776.18	2.36	0:33:55	1,826.62	1,826.62	2.30
0:06:00	6,207.99	776.00	5.40	0:13:00	5,886.08	1,471.52	2.85	0:20:00	4,672.45	1,557.48	2.69	0:27:00	3,566.84	1,783.42	2.35	0:34:00	1,822.22	1,822.22	2.30

Large Database Query - 1024KiB with 4 I/Os per stream

Test Run Sequence = Run-Out & Ramp-Down Intervals

TR1				TR2				TR3				TR4				TR5			
8 Streams				4 Streams				3 Streams				2 Streams				1 Stream			
Test Run Sequence Time	Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms	Test Run Sequence Time	Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms	Test Run Sequence Time	Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms	Test Run Sequence Time	Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms	Test Run Sequence Time	Data Rate, MB/sec	Data Rate / Stream, MB/sec	Response Time, ms
0:06:05	6,222.88	777.86	5.39	0:13:05	5,891.53	1,472.88	2.85	0:20:05	4,653.79	1,551.26	2.70	0:27:05	3,553.62	1,776.81	2.36	0:34:05	1,824.52	1,824.52	2.30
0:06:10	6,219.52	777.44	5.40	0:13:10	5,873.49	1,468.37	2.85	0:20:10	4,575.36	1,525.12	2.75	0:27:10	3,564.74	1,782.37	2.35	0:34:10	1,828.51	1,828.51	2.29
0:06:15	6,220.78	777.60	5.39	0:13:15	5,877.90	1,469.47	2.85	0:20:15	4,678.33	1,559.44	2.69	0:27:15	3,571.66	1,785.83	2.35	0:34:15	1,819.91	1,819.91	2.31
0:06:20	6,210.51	776.31	5.40	0:13:20	5,887.96	1,471.99	2.85	0:20:20	4,762.21	1,587.40	2.64	0:27:20	3,562.43	1,781.22	2.35	0:34:20	1,831.23	1,831.23	2.29
0:06:25	6,224.77	778.10	5.39	0:13:25	5,884.82	1,471.20	2.85	0:20:25	4,626.95	1,542.32	2.72	0:27:25	3,565.58	1,782.79	2.35	0:34:25	1,818.44	1,818.44	2.31
0:06:30	6,219.94	777.49	5.40	0:13:30	5,886.71	1,471.68	2.85	0:20:30	4,529.01	1,509.67	2.78	0:27:30	3,569.77	1,784.89	2.35	0:34:30	1,820.75	1,820.75	2.31
0:06:35	6,211.76	776.47	5.40	0:13:35	5,880.41	1,470.10	2.85	0:20:35	4,581.44	1,527.15	2.75	0:27:35	3,550.90	1,775.45	2.36	0:34:35	1,820.33	1,820.33	2.30
0:06:40	6,219.52	777.44	5.39	0:13:40	5,885.87	1,471.47	2.85	0:20:40	4,775.01	1,591.67	2.63	0:27:40	3,567.88	1,783.94	2.35	0:34:40	1,823.05	1,823.05	2.30
0:06:45	76.13	0.00	5.39	0:13:45	67.11	0.00	2.83	0:20:45	44.25	0.00	3.20	0:27:45	40.27	0.00	2.40	0:34:45	19.29	0.00	2.41
0:06:50	0.00	0.00	0.00	0:13:50	0.00	0.00	0.00	0:20:50	0.00	0.00	0.00	0:27:50	0.00	0.00	0.00	0:34:50	0.00	0.00	0.00
0:06:55	0.00	0.00	0.00	0:13:55	0.00	0.00	0.00	0:20:55	0.00	0.00	0.00	0:27:55	0.00	0.00	0.00	0:34:55	0.00	0.00	0.00