

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

Test Run Sequence - Ramp-Up Interval

TR1				TR2				TR3				TR4				TR5			
32 Streams				16 Streams				8 Streams				4 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
0:00:00	12,732.23	2,546.45	0.90	0:06:55	0.00	0.00	0.00	0:13:55	0.00	0.00	0.00	0:21:00	8,421.32	8,421.32	0.49	0:28:00	8,435.58	8,435.58	0.49
0:00:05	24,758.56	3,536.94	1.03	0:07:00	12,134.33	3,033.58	0.90	0:14:00	8,446.70	8,446.70	0.49	0:21:05	8,245.79	8,245.79	0.51	0:28:05	8,390.08	8,390.08	0.50
0:00:10	26,621.67	2,662.17	1.40	0:07:05	13,329.08	3,332.27	1.26	0:14:05	8,512.13	8,512.13	0.49	0:21:10	8,261.73	8,261.73	0.51	0:28:10	8,492.21	8,492.21	0.49
0:00:15	26,643.90	2,422.17	1.64	0:07:10	23,546.82	3,924.47	0.99	0:14:10	8,452.57	8,452.57	0.50	0:21:15	8,417.76	8,417.76	0.50	0:28:15	8,297.80	8,297.80	0.50
0:00:20	26,617.05	1,901.22	1.93	0:07:15	26,186.09	3,740.87	1.02	0:14:15	12,166.63	4,055.54	0.75	0:21:20	12,715.45	3,178.86	0.90	0:28:20	8,268.23	8,268.23	0.51
0:00:25	27,426.55	1,613.33	2.41	0:07:20	26,559.59	3,794.23	1.10	0:14:20	13,291.75	4,430.58	0.95	0:21:25	13,328.24	3,332.06	1.26	0:28:25	8,446.91	8,446.91	0.50
0:00:30	37,805.36	1,989.76	2.05	0:07:25	26,574.48	3,321.81	1.25	0:14:25	13,269.31	3,317.33	0.97	0:21:30	13,341.24	3,335.31	1.26	0:28:30	8,216.01	8,216.01	0.51
0:00:35	48,090.84	2,185.95	1.89	0:07:30	26,617.89	2,957.54	1.35	0:14:30	13,336.84	3,334.21	1.26	0:21:35	13,336.00	3,334.00	1.26	0:28:35	8,514.02	8,514.02	0.49
0:00:40	49,524.66	2,251.12	1.86	0:07:35	26,619.57	2,419.96	1.47	0:14:35	13,346.90	3,336.73	1.26	0:21:40	13,337.05	3,334.26	1.26	0:28:40	8,539.39	8,539.39	0.49
0:00:45	49,333.40	2,242.43	1.87	0:07:40	26,644.53	2,422.23	1.73	0:14:40	14,719.91	2,943.98	1.19	0:21:45	13,343.97	3,335.99	1.26	0:28:45	8,455.09	8,455.09	0.50
0:00:50	49,896.49	1,995.86	1.95	0:07:45	26,645.99	1,903.29	1.88	0:14:45	23,197.23	3,866.20	0.99	0:21:50	13,333.69	3,333.42	1.26	0:28:50	8,508.98	8,508.98	0.49
0:00:55	50,342.13	2,013.69	2.08	0:07:50	26,630.47	1,902.18	2.20	0:14:50	26,247.33	3,749.62	1.01	0:21:55	13,332.43	3,333.11	1.26	0:28:55	8,514.23	8,514.23	0.49
0:01:00	50,331.44	1,935.82	2.08	0:07:55	26,636.98	1,902.64	2.20	0:14:55	26,615.17	3,326.90	1.25	0:22:00	13,351.52	3,337.88	1.26	0:29:00	8,490.11	8,490.11	0.49
0:01:05	50,343.39	1,797.98	2.22	0:08:00	26,631.10	1,775.41	2.36	0:15:00	26,596.50	3,324.56	1.26	0:22:05	13,334.32	3,333.58	1.26	0:29:05	8,478.58	8,478.58	0.49
0:01:10	50,381.35	1,737.29	2.36	0:08:05	26,644.11	1,665.26	2.48	0:15:05	26,588.74	3,323.59	1.26	0:22:10	13,348.58	3,337.15	1.26	0:29:10	8,503.53	8,503.53	0.49
0:01:15	50,418.68	1,680.62	2.44	0:08:10	26,622.93	1,663.93	2.52	0:15:10	26,574.06	3,321.76	1.26	0:22:15	13,335.79	3,333.95	1.26	0:29:15	8,545.06	8,545.06	0.49
0:01:20	50,402.11	1,575.07	2.51	0:08:15	26,632.36	1,664.52	2.52	0:15:15	26,583.71	3,322.96	1.26	0:22:20	13,342.71	3,335.68	1.26	0:29:20	8,496.61	8,496.61	0.49
0:01:25	50,441.75	1,576.30	2.66	0:08:20	26,627.54	1,664.22	2.52	0:15:20	26,576.58	3,322.07	1.26	0:22:25	13,337.89	3,334.47	1.26	0:29:25	8,431.18	8,431.18	0.50
0:01:30	50,422.87	1,575.71	2.66	0:08:25	26,633.62	1,664.60	2.52	0:15:25	26,592.52	3,324.06	1.26	0:22:30	13,338.94	3,334.73	1.26	0:29:30	8,460.75	8,460.75	0.49
0:01:35	50,422.45	1,575.70	2.66	0:08:30	26,635.30	1,664.71	2.52	0:15:30	26,532.75	3,316.59	1.26	0:22:35	13,333.69	3,333.42	1.26	0:29:35	8,488.64	8,488.64	0.49
0:01:40	50,433.57	1,576.05	2.66	0:08:35	26,632.78	1,664.55	2.52	0:15:35	26,595.66	3,324.46	1.26	0:22:40	13,330.34	3,332.58	1.26	0:29:40	8,493.05	8,493.05	0.49
0:01:45	50,454.33	1,576.70	2.66	0:08:40	26,640.54	1,665.03	2.52	0:15:40	26,570.71	3,321.34	1.26	0:22:45	13,334.95	3,333.74	1.26	0:29:45	8,503.95	8,503.95	0.49
0:01:50	50,384.29	1,574.51	2.66	0:08:45	26,633.83	1,664.61	2.52	0:15:45	26,598.60	3,324.82	1.26	0:22:50	13,333.48	3,333.37	1.26	0:29:50	8,372.46	8,372.46	0.50
0:01:55	50,407.56	1,575.24	2.66	0:08:50	26,649.56	1,665.60	2.52	0:15:50	26,588.32	3,323.54	1.26	0:22:55	13,337.89	3,334.47	1.26	0:29:55	8,459.07	8,459.07	0.49
0:02:00	50,399.18	1,574.97	2.66	0:08:55	26,609.71	1,663.11	2.52	0:15:55	26,571.54	3,321.44	1.26	0:23:00	13,335.16	3,333.79	1.26	0:30:00	8,418.39	8,418.39	0.50
0:02:05	50,436.09	1,576.13	2.66	0:09:00	26,634.46	1,664.65	2.52	0:16:00	26,543.02	3,317.88	1.26	0:23:05	13,340.61	3,335.15	1.26	0:30:05	8,395.95	8,395.95	0.50
0:02:10	50,430.21	1,575.94	2.66	0:09:05	26,634.04	1,664.63	2.52	0:16:05	26,583.92	3,322.99	1.26	0:23:10	13,347.95	3,336.99	1.26	0:30:10	8,411.26	8,411.26	0.50
0:02:15	50,425.39	1,575.79	2.66	0:09:10	26,633.62	1,664.60	2.52	0:16:10	26,545.12	3,318.14	1.26	0:23:15	13,319.64	3,329.91	1.26	0:30:15	8,345.20	8,345.20	0.50
0:02:20	50,429.58	1,575.92	2.66	0:09:15	26,630.68	1,664.42	2.52	0:16:15	26,575.74	3,321.97	1.26	0:23:20	13,342.50	3,335.63	1.26	0:30:20	8,401.61	8,401.61	0.50
0:02:25	50,431.68	1,575.99	2.66	0:09:20	26,638.44	1,664.90	2.52	0:16:20	26,569.03	3,321.13	1.26	0:23:25	13,337.47	3,334.37	1.26	0:30:25	8,305.56	8,305.56	0.50
0:02:30	50,409.66	1,575.30	2.66	0:09:25	26,617.47	1,663.59	2.52	0:16:25	26,585.60	3,323.20	1.26	0:23:30	13,328.24	3,332.06	1.26	0:30:30	8,423.84	8,423.84	0.50
0:02:35	50,438.60	1,576.21	2.66	0:09:30	26,633.62	1,664.60	2.52	0:16:30	26,595.03	3,324.38	1.26	0:23:35	13,328.03	3,332.01	1.26	0:30:35	8,360.93	8,360.93	0.50
0:02:40	50,431.05	1,575.97	2.66	0:09:35	26,632.78	1,664.55	2.52	0:16:35	26,585.18	3,323.15	1.26	0:23:40	13,335.58	3,333.89	1.26	0:30:40	8,433.49	8,433.49	0.50
0:02:45	50,430.84	1,575.96	2.66	0:09:40	26,641.59	1,665.10	2.52	0:16:40	26,585.60	3,323.20	1.26	0:23:45	13,345.02	3,336.25	1.26	0:30:45	8,454.88	8,454.88	0.50
0:02:50	50,428.75	1,575.90	2.66	0:09:45	26,633.62	1,664.60	2.52	0:16:45	26,564.00	3,320.50	1.26	0:23:50	13,328.45	3,332.11	1.26	0:30:50	8,315.42	8,315.42	0.50
0:02:55	50,381.56	1,574.42	2.66	0:09:50	26,631.94	1,664.50	2.52	0:16:50	26,608.45	3,326.06	1.26	0:23:55	13,330.97	3,332.74	1.26	0:30:55	8,158.76	8,158.76	0.52
				0:09:55	26,630.06	1,664.38	2.52	0:16:55	26,564.00	3,320.50	1.26								

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

Test Run Sequence = Measurement Interval

TR1				TR2				TR3				TR4				TR5			
32 Streams				16 Streams				8 Streams				4 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
0:03:00	50,440.28	1,576.26	2.66	0:10:00	26,652.29	1,665.77	2.52	0:17:00	26,604.47	3,325.56	1.26	0:24:00	13,339.14	3,334.79	1.26	0:31:00	8,437.05	8,437.05	0.50
0:03:05	50,413.02	1,575.41	2.66	0:10:05	26,634.46	1,664.65	2.52	0:17:05	26,594.82	3,324.35	1.26	0:24:05	13,330.76	3,332.69	1.26	0:31:05	8,515.70	8,515.70	0.49
0:03:10	50,398.13	1,574.94	2.66	0:10:10	26,634.46	1,664.65	2.52	0:17:10	26,594.19	3,324.27	1.26	0:24:10	13,336.21	3,334.05	1.26	0:31:10	8,264.88	8,264.88	0.51
0:03:15	50,431.68	1,575.99	2.66	0:10:15	26,633.83	1,664.61	2.52	0:17:15	26,571.13	3,321.39	1.26	0:24:15	13,341.66	3,335.42	1.26	0:31:15	8,453.41	8,453.41	0.50
0:03:20	50,441.96	1,576.31	2.66	0:10:20	26,647.04	1,665.44	2.52	0:17:20	26,518.91	3,314.86	1.26	0:24:20	13,343.76	3,335.94	1.26	0:31:20	8,454.67	8,454.67	0.50
0:03:25	50,423.71	1,575.74	2.66	0:10:25	26,625.23	1,664.08	2.52	0:17:25	26,572.17	3,321.52	1.26	0:24:25	13,332.85	3,333.21	1.26	0:31:25	8,403.50	8,403.50	0.50
0:03:30	50,421.20	1,575.66	2.66	0:10:30	26,636.35	1,664.77	2.52	0:17:30	26,579.72	3,322.47	1.26	0:24:30	13,334.74	3,333.69	1.26	0:31:30	8,508.77	8,508.77	0.49
0:03:35	50,444.89	1,576.40	2.66	0:10:35	26,633.41	1,664.59	2.52	0:17:35	26,586.22	3,323.28	1.26	0:24:35	13,337.89	3,334.47	1.26	0:31:35	8,343.94	8,343.94	0.50
0:03:40	50,410.50	1,575.33	2.66	0:10:40	26,641.59	1,665.10	2.52	0:17:40	26,570.92	3,321.36	1.26	0:24:40	13,339.35	3,334.84	1.26	0:31:40	8,335.97	8,335.97	0.50
0:03:45	50,426.86	1,575.84	2.66	0:10:45	26,630.68	1,664.42	2.52	0:17:45	26,557.49	3,319.69	1.26	0:24:45	13,344.39	3,336.10	1.26	0:31:45	8,361.76	8,361.76	0.50
0:03:50	50,468.38	1,577.14	2.66	0:10:50	26,627.75	1,664.23	2.52	0:17:50	26,570.29	3,321.29	1.26	0:24:50	13,324.26	3,331.06	1.26	0:31:50	8,465.36	8,465.36	0.49
0:03:55	50,385.33	1,574.54	2.66	0:10:55	26,639.28	1,664.96	2.52	0:17:55	26,551.83	3,318.98	1.26	0:24:55	13,331.18	3,332.79	1.26	0:31:55	8,450.89	8,450.89	0.50
0:04:00	50,444.89	1,576.40	2.66	0:11:00	26,641.17	1,665.07	2.52	0:18:00	26,561.48	3,320.18	1.26	0:25:00	13,336.21	3,334.05	1.26	0:32:00	8,444.60	8,444.60	0.50
0:04:05	50,401.27	1,575.04	2.66	0:11:05	26,648.72	1,665.55	2.52	0:18:05	26,594.82	3,324.35	1.26	0:25:05	13,338.52	3,334.63	1.26	0:32:05	8,472.07	8,472.07	0.49
0:04:10	50,418.89	1,575.59	2.66	0:11:10	26,632.78	1,664.55	2.52	0:18:10	26,583.71	3,322.96	1.26	0:25:10	13,330.34	3,332.58	1.26	0:32:10	8,198.82	8,198.82	0.51
0:04:15	50,438.39	1,576.20	2.66	0:11:15	26,648.51	1,665.53	2.52	0:18:15	26,569.24	3,321.15	1.26	0:25:15	13,339.77	3,334.94	1.26	0:32:15	8,383.78	8,383.78	0.50
0:04:20	50,440.07	1,576.25	2.66	0:11:20	26,629.22	1,664.33	2.52	0:18:20	26,578.05	3,322.26	1.26	0:25:20	13,332.64	3,333.16	1.26	0:32:20	8,206.78	8,206.78	0.50
0:04:25	50,412.81	1,575.40	2.66	0:11:25	26,626.91	1,664.18	2.52	0:18:25	26,562.11	3,320.26	1.26	0:25:25	13,332.43	3,333.11	1.26	0:32:25	8,263.41	8,263.41	0.51
0:04:30	50,437.55	1,576.17	2.66	0:11:30	26,641.38	1,665.09	2.52	0:18:30	26,577.42	3,322.18	1.26	0:25:30	13,342.50	3,335.63	1.26	0:32:30	8,164.00	8,164.00	0.51
0:04:35	50,417.63	1,575.55	2.66	0:11:35	26,636.77	1,664.80	2.52	0:18:35	26,580.14	3,322.52	1.26	0:25:35	13,345.65	3,336.41	1.26	0:32:35	8,460.33	8,460.33	0.49
0:04:40	50,414.70	1,575.46	2.66	0:11:40	26,616.84	1,663.55	2.52	0:18:40	26,579.51	3,322.44	1.26	0:25:40	13,331.18	3,332.79	1.26	0:32:40	8,415.66	8,415.66	0.50
0:04:45	50,430.84	1,575.96	2.66	0:11:45	26,641.59	1,665.10	2.52	0:18:45	26,584.55	3,323.07	1.26	0:25:45	13,345.02	3,336.25	1.26	0:32:45	8,401.82	8,401.82	0.50
0:04:50	50,433.78	1,576.06	2.66	0:11:50	26,652.49	1,665.78	2.52	0:18:50	26,586.22	3,323.28	1.26	0:25:50	13,337.26	3,334.31	1.26	0:32:50	8,469.35	8,469.35	0.49
0:04:55	50,418.47	1,575.58	2.66	0:11:55	26,622.09	1,663.88	2.52	0:18:55	26,572.17	3,321.52	1.26	0:25:55	13,332.64	3,333.16	1.26	0:32:55	8,399.51	8,399.51	0.50
0:05:00	50,461.25	1,576.91	2.66	0:12:00	26,636.14	1,664.76	2.52	0:19:00	26,583.08	3,322.88	1.26	0:26:00	13,330.76	3,332.69	1.25	0:33:00	8,266.13	8,266.13	0.51
0:05:05	50,421.41	1,575.67	2.66	0:12:05	26,640.54	1,665.03	2.52	0:19:05	26,585.81	3,323.23	1.26	0:26:05	13,329.08	3,332.27	1.26	0:33:05	8,399.93	8,399.93	0.50
0:05:10	50,398.34	1,574.95	2.66	0:12:10	26,622.72	1,663.92	2.52	0:19:10	26,592.73	3,324.09	1.26	0:26:10	13,337.89	3,334.47	1.26	0:33:10	8,540.23	8,540.23	0.49
0:05:15	50,408.82	1,575.28	2.66	0:12:15	26,638.44	1,664.90	2.52	0:19:15	26,562.74	3,320.34	1.26	0:26:15	13,336.63	3,334.16	1.26	0:33:15	8,282.28	8,282.28	0.51
0:05:20	50,420.15	1,575.63	2.66	0:12:20	26,640.33	1,665.02	2.52	0:19:20	26,607.83	3,325.98	1.26	0:26:20	13,338.73	3,334.68	1.26	0:33:20	8,291.30	8,291.30	0.50
0:05:25	50,456.43	1,576.76	2.66	0:12:25	26,632.78	1,664.55	2.52	0:19:25	26,584.76	3,323.09	1.26	0:26:25	13,331.18	3,332.79	1.26	0:33:25	8,317.72	8,317.72	0.50
0:05:30	50,408.19	1,575.26	2.66	0:12:30	26,631.73	1,664.48	2.52	0:19:30	26,552.67	3,319.08	1.26	0:26:30	13,328.45	3,332.11	1.26	0:33:30	8,334.92	8,334.92	0.50
0:05:35	50,420.36	1,575.64	2.66	0:12:35	26,632.57	1,664.54	2.52	0:19:35	26,582.45	3,322.81	1.26	0:26:35	13,330.76	3,332.69	1.26	0:33:35	8,462.64	8,462.64	0.49
0:05:40	50,432.10	1,576.00	2.66	0:12:40	26,619.57	1,663.72	2.52	0:19:40	26,553.72	3,319.21	1.26	0:26:40	13,341.03	3,335.26	1.26	0:33:40	8,485.08	8,485.08	0.49
0:05:45	50,438.81	1,576.21	2.66	0:12:45	26,631.10	1,664.44	2.52	0:19:45	26,558.54	3,319.82	1.26	0:26:45	13,337.05	3,334.26	1.26	0:33:45	8,273.05	8,273.05	0.51
0:05:50	50,427.07	1,575.85	2.66	0:12:50	26,636.35	1,664.77	2.52	0:19:50	26,560.64	3,320.08	1.26	0:26:50	13,334.53	3,333.63	1.26	0:33:50	8,280.60	8,280.60	0.51
0:05:55	50,409.24	1,575.29	2.66	0:12:55	26,586.43	1,661.65	2.52	0:19:55	26,534.43	3,316.80	1.26	0:26:55	13,338.10	3,334.52	1.26	0:33:55	8,284.17	8,284.17	0.51
0:06:00	50,470.48	1,577.20	2.66	0:13:00	26,650.82	1,665.68	2.52	0:20:00	26,597.34	3,324.67	1.26	0:27:00	13,341.45	3,335.36	1.26	0:34:00	8,438.10	8,438.10	0.50

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

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

TR1	32 Streams			TR2	16 Streams			TR3	8 Streams			TR4	4 Streams			TR5	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	50,409.03	1,575.28	2.66	0:13:05	26,625.02	1,664.06	2.52	0:20:05	26,585.81	3,323.23	1.26	0:27:05	13,333.90	3,333.48	1.26	0:34:05	8,502.90	8,502.90	0.49
0:06:10	50,417.42	1,575.54	2.66	0:13:10	26,627.54	1,664.22	2.52	0:20:10	26,588.11	3,323.51	1.26	0:27:10	13,326.14	3,331.54	1.26	0:34:10	8,468.09	8,468.09	0.49
0:06:15	50,424.76	1,575.77	2.66	0:13:15	26,633.41	1,664.59	2.52	0:20:15	26,593.57	3,324.20	1.26	0:27:15	13,329.50	3,332.37	1.26	0:34:15	8,443.55	8,443.55	0.50
0:06:20	50,440.70	1,576.27	2.66	0:13:20	26,630.27	1,664.39	2.52	0:20:20	26,582.87	3,322.86	1.26	0:27:20	13,342.50	3,335.63	1.26	0:34:20	8,344.57	8,344.57	0.50
0:06:25	50,420.15	1,575.63	2.66	0:13:25	26,631.73	1,664.48	2.52	0:20:25	26,564.00	3,320.50	1.26	0:27:25	13,343.76	3,335.94	1.26	0:34:25	8,383.99	8,383.99	0.50
0:06:30	50,422.24	1,575.70	2.66	0:13:30	26,649.14	1,665.57	2.52	0:20:30	26,573.22	3,321.65	1.26	0:27:30	13,331.18	3,332.79	1.26	0:34:30	8,427.20	8,427.20	0.50
0:06:35	50,424.34	1,575.76	2.66	0:13:35	26,624.18	1,664.01	2.52	0:20:35	26,584.55	3,323.07	1.26	0:27:35	13,345.44	3,336.36	1.26	0:34:35	8,196.72	8,196.72	0.51
0:06:40	50,423.08	1,575.72	2.66	0:13:40	26,625.86	3,328.23	2.52	0:20:40	26,555.40	4,425.90	1.26	0:27:40	13,334.74	3,333.69	1.26	0:34:40	8,464.11	8,464.11	0.49
0:06:45	190.21	0.00	1.19	0:13:45	91.65	0.00	1.36	0:20:45	85.56	0.00	1.17	0:27:45	85.77	0.00	1.18	0:34:45	36.91	0.00	0.50
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
								0:20:55	0.00	0.00	0.00	0:27:55	0.00	0.00	0.00				