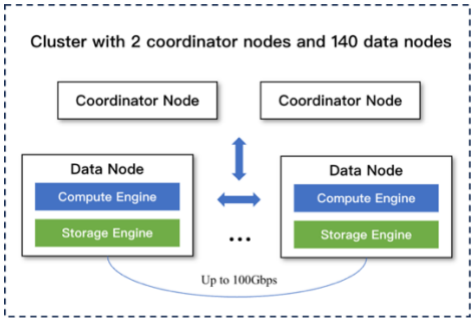
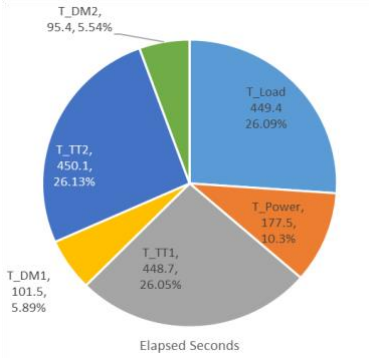
Tencent Cloud	Tencent Cloud Data Lake Compute		TPC-DS: 4.0.0 TPC-Pricing: 2.9.0 Report Date: 2026-04-19	
Total System Cost	TPC-DS Throughput	Price / Performance	System Availability Date	
¥ 7,215,288 CNY	**653,611,141** QphDS@100000GB	**¥ 11.04** CNY/kQphDS@100000GB	**2026-09-30**	
Dataset Size[1]	Database Manager	Operation System	Other Software	Cluster
100,000 GB	Tencent Data Computing Platform SuperSQL v1.0	TencentOS Server 4.4	N/A	Yes



Benchmarked Configuration



Elapsed Seconds

Load includes backup = No	RAID = RAID-10

System Configuration:	**Tencent Data Computing Platform SuperSQL Cluster**
Servers:	142 x DLC-C32
Total Processors/Cores/Threads:	4,544 vCPU
Total Memory:	54,528 GB
Total Storage[2]:	4,115,551.72 GB
Storage Ratio[3]:	41.16
Server Configuration:	**Per node**
Processors:	Intel Xeon 6983P-C
Memory:	384 GB
Network:	Up to 100Gbps
Storage Device:	4 x 7.68 TB NVME SSD Local Disk (data disk) 1 x 200 GB SSD Cloud Disk (system disk) 2 x 100 GB SSD Cloud Disk

1. Dataset Size includes only raw data (i.e., no temp, index, redundant storage space, etc.).
2. Total Storage = 4,115,551.72 GB (1x 200 GB and 2 x 100 GB and 4x 7.68TB per node should be converted to base-2)
3. Storage Ratio = Total Storage / SF = 41.16

Tencent Cloud	Tencent Cloud Data Lake Compute	TPC-DS: 4.0.0 TPC-Pricing: 2.9.0 Report Date: 2026-04-19

Description	Part Number	Src	Unit Price (CNY)	Qty	Ext. Price (CNY)	1-Year Maint. (CNY)
Tencent Cloud Data Lake Compute Cluster (1-Year Pre-Pay)		1	7,156,800	1	7,156,800	included
- DLC-C32 Node			included	142		
- SSD Cloud Disk (1 x 200GB)			included	142		
- SSD Cloud Disk (2 x 100GB)			included	142		
- NVME Local Disk (4 x 7.68TB)			included	142		
- Silver Fir Intelligent NIC			included	142		
	Licensed Software Services Sub-Total				**7,156,800**	**0**
Other Components						
MacBook Pro 14 inch Apple M4Pro (includes 1 spares)		2	19,496	3	58,488	
	Other Components Sub-Total				**58,488**	**0**

Source: 1 = Tencent Cloud, 2 = jd.com All prices are based on 1-year pre-paid subscriptions. **Audited by Doug Johnson, InfoSizing**	**1-Year Cost of Ownership:**	**7,215,288**
	QphDS@100000GB:	**653,611,141**
	¥/kQphDS@100000GB:	**11.04**

Prices used in TPC benchmarks reflect the actual prices a customer would pay for a one-time purchase of the stated components. Individually negotiated discounts are not permitted. Special prices based on assumptions about past or future purchases are not permitted. All discounts reflect standard pricing policies for the listed components. For complete details, see the pricing sections of the TPC benchmark specifications. If you find that the stated prices are not available according to these terms, please inform at pricing@tpc.org. Thank you.

Tencent Cloud	**Tencent Cloud Data Lake Compute**	TPC-DS: 4.0.0 TPC-Pricing: 2.9.0 Report Date: 2026-04-19

Metric Details

Name	Value	Description / Unit
SF	100,000	Scale Factor 100TB
S	8	Total Throughput Streams
Sq	4	Streams / Throughput Test
Q	396	Queries / Throughput Test
T_LD	0.0050	hours@100000
T_PT	0.1973	hours@100000
T_TT	0.2497	hours@100000
T_DM	0.0547	hours@100000

Secondary Metrics

Name	Value	Unit
T_Load	449.4	seconds@100000
T_Power	177.5	seconds@100000
T_TT1	448.7	seconds@100000
T_TT2	450.1	seconds@100000
T_DM1	101.5	seconds@100000
T_DM2	95.4	seconds@100000

Test Timeline

Test	Start Time	End Time	Seconds	hh:mm:ss
Load	2026-04-18 20:49:25.908	2026-04-18 20:56:55.269	449.361	00:07:29
Audit/Admin	2026-04-18 20:56:55.276	2026-04-18 21:45:34.475	2919.2	00:48:39
Power	2026-04-18 21:45:34.498	2026-04-18 21:48:31.956	177.458	00:02:57
TT-1	2026-04-18 21:48:31.999	2026-04-18 21:56:00.616	448.617	00:07:29
DM-1	2026-04-18 21:56:00.653	2026-04-18 21:57:42.151	101.498	00:01:41
TT-2	2026-04-18 21:57:42.187	2026-04-18 22:05:12.234	450.047	00:07:30
DM-2	2026-04-18 22:05:12.271	2026-04-18 22:06:47.585	95.314	00:01:35

Stream	Start Time	End Time	Seconds	hh:mm:ss
Power - 0	2026-04-18 21:45:34.498	2026-04-18 21:48:31.956	177.458	00:02:57
TT-1 - 1	2026-04-18 21:48:31.999	2026-04-18 21:55:54.787	442.788	00:07:23
TT-1 - 2	2026-04-18 21:48:31.999	2026-04-18 21:55:50.779	438.780	00:07:19
TT-1 - 3	2026-04-18 21:48:32.000	2026-04-18 21:56:00.616	448.616	00:07:29
TT-1 - 4	2026-04-18 21:48:32.000	2026-04-18 21:55:51.403	439.403	00:07:19
DM-1 - 1	2026-04-18 21:56:00.653	2026-04-18 21:56:53.392	52.739	00:00:53
DM-1 - 2	2026-04-18 21:56:53.409	2026-04-18 21:57:42.151	48.742	00:00:49
TT-2 - 5	2026-04-18 21:57:42.187	2026-04-18 22:05:01.036	438.849	00:07:19
TT-2 - 6	2026-04-18 21:57:42.187	2026-04-18 22:05:12.234	450.047	00:07:30
TT-2 - 7	2026-04-18 21:57:42.187	2026-04-18 22:04:56.804	434.617	00:07:15
TT-2 - 8	2026-04-18 21:57:42.187	2026-04-18 22:05:03.668	441.481	00:07:21
DM-2 - 3	2026-04-18 22:05:12.271	2026-04-18 22:05:59.555	47.284	00:00:47
DM-2 - 4	2026-04-18 22:05:59.573	2026-04-18 22:06:47.585	48.012	00:00:48

Timing Intervals for Each Query (In Seconds)

Query	Power	Throughput Test 1									Throughput Test 2								
ID	Stream 0	Stream 1	Stream 2	Stream 3	Stream 4	*Min*	*25th*	*Median*	*75th*	*Max*	Stream 5	Stream 6	Stream 7	Stream 8	*Min*	*25th*	*Median*	*75th*	*Max*
1	0.4	0.4	0.7	0.7	0.6	0.40	0.55	0.65	0.70	0.70	1.2	0.5	0.7	3.5	0.50	0.65	0.95	1.78	3.50
2	1.2	2.3	3.0	2.8	2.9	2.30	2.68	2.85	2.93	3.00	3.1	2.4	2.2	1.9	1.90	2.13	2.30	2.58	3.10
3	0.8	3.4	2.2	1.6	1.4	1.40	1.55	1.90	2.50	3.40	1.9	1.8	2.7	1.9	1.80	1.88	1.90	2.10	2.70
4	9.1	14.7	16.2	24.1	14.6	14.60	14.68	15.45	18.18	24.10	20.0	20.3	16.9	21.1	16.90	19.23	20.15	20.50	21.10
5	1.0	4.6	3.3	1.7	4.4	1.70	2.90	3.85	4.45	4.60	2.7	4.8	11.8	2.6	2.60	2.68	3.75	6.55	11.80
6	0.3	1.3	0.5	1.0	0.3	0.30	0.45	0.75	1.08	1.30	0.4	2.3	0.5	0.3	0.30	0.38	0.45	0.95	2.30
7	1.5	2.7	2.9	3.6	9.7	2.70	2.85	3.25	5.13	9.70	5.2	3.7	3.6	4.1	3.60	3.68	3.90	4.38	5.20
8	0.3	2.0	0.5	0.5	0.5	0.50	0.50	0.50	0.88	2.00	0.4	1.2	3.0	0.8	0.40	0.70	1.00	1.65	3.00
9	4.5	12.0	10.2	14.3	11.9	10.20	11.48	11.95	12.58	14.30	15.4	11.8	13.5	15.1	11.80	13.08	14.30	15.18	15.40
10	0.6	0.6	1.6	1.6	1.2	0.60	1.05	1.40	1.60	1.60	1.0	1.1	0.7	1.8	0.70	0.93	1.05	1.28	1.80
11	5.4	19.0	18.8	10.6	11.6	10.60	11.35	15.20	18.85	19.00	15.6	12.4	13.1	10.7	10.70	11.98	12.75	13.73	15.60
12	0.2	0.9	0.6	0.2	0.5	0.20	0.43	0.55	0.68	0.90	0.2	1.1	0.6	0.7	0.20	0.50	0.65	0.80	1.10
13	1.1	1.3	1.5	2.3	1.5	1.30	1.45	1.50	1.70	2.30	1.7	1.4	2.5	1.5	1.40	1.48	1.60	1.90	2.50
14	6.3	11.7	13.6	18.4	12.6	11.70	12.38	13.10	14.80	18.40	7.6	10.4	10.3	12.0	7.60	9.63	10.35	10.80	12.00
15	0.4	0.6	1.6	1.1	1.1	0.60	0.98	1.10	1.23	1.60	0.8	1.2	0.8	0.5	0.50	0.73	0.80	0.90	1.20
16	2.0	2.3	1.5	1.2	0.4	0.40	1.00	1.35	1.70	2.30	1.1	1.9	1.5	2.6	1.10	1.40	1.70	2.08	2.60
17	1.0	3.7	5.4	5.2	2.3	2.30	3.35	4.45	5.25	5.40	2.4	1.0	2.0	2.3	1.00	1.75	2.15	2.33	2.40
18	2.0	2.3	4.0	2.5	3.2	2.30	2.45	2.85	3.40	4.00	3.8	3.3	2.4	2.5	2.40	2.48	2.90	3.43	3.80
19	0.4	0.5	0.3	1.1	0.6	0.30	0.45	0.55	0.73	1.10	0.4	0.8	0.6	1.7	0.40	0.55	0.70	1.03	1.70
20	0.2	0.8	1.1	2.8	0.6	0.60	0.75	0.95	1.53	2.80	0.6	0.2	2.1	0.3	0.20	0.28	0.45	0.98	2.10
21	0.2	0.3	0.5	0.4	0.4	0.30	0.38	0.40	0.43	0.50	0.4	1.1	0.4	0.3	0.30	0.38	0.40	0.58	1.10
22	0.3	2.5	0.8	0.7	0.6	0.60	0.68	0.75	1.23	2.50	0.4	0.8	0.3	0.8	0.30	0.38	0.60	0.80	0.80
23	12.7	46.2	39.1	54.1	36.9	36.90	38.55	42.65	48.18	54.10	32.4	47.6	38.0	41.7	32.40	36.60	39.85	43.18	47.60
24	4.5	22.8	18.1	14.5	13.9	13.90	14.35	16.30	19.28	22.80	15.7	14.3	19.9	14.9	14.30	14.75	15.30	16.75	19.90
25	0.7	1.7	1.0	1.6	1.8	1.00	1.45	1.65	1.73	1.80	1.4	0.6	1.2	1.6	0.60	1.05	1.30	1.45	1.60
26	1.0	2.5	2.4	2.1	3.6	2.10	2.33	2.45	2.78	3.60	2.9	3.0	2.3	4.2	2.30	2.75	2.95	3.30	4.20
27	1.3	2.5	3.0	3.5	2.7	2.50	2.65	2.85	3.13	3.50	2.7	4.2	2.4	2.5	2.40	2.48	2.60	3.08	4.20
28	3.5	4.7	4.1	4.1	8.1	4.10	4.10	4.40	5.55	8.10	6.2	5.1	5.6	4.6	4.60	4.98	5.35	5.75	6.20
29	1.2	2.9	4.3	5.1	3.1	2.90	3.05	3.70	4.50	5.10	3.2	4.0	3.0	7.0	3.00	3.15	3.60	4.75	7.00
30	0.4	0.7	1.1	0.8	1.2	0.70	0.78	0.95	1.13	1.20	1.2	0.8	0.6	0.9	0.60	0.75	0.85	0.98	1.20
31	1.6	4.2	6.8	3.5	5.2	3.50	4.03	4.70	5.60	6.80	3.2	5.6	5.9	1.7	1.70	2.83	4.40	5.68	5.90
32	0.2	0.3	0.3	0.2	0.3	0.20	0.28	0.30	0.30	0.30	0.3	0.5	0.3	0.9	0.30	0.30	0.40	0.60	0.90
33	1.2	1.0	0.9	1.5	0.9	0.90	0.90	0.95	1.13	1.50	1.7	2.5	1.2	1.5	1.20	1.43	1.60	1.90	2.50
34	1.1	2.9	2.9	2.1	3.4	2.10	2.70	2.90	3.03	3.40	1.8	2.8	2.6	4.1	1.80	2.40	2.70	3.13	4.10
35	1.2	3.8	2.1	1.2	1.8	1.20	1.65	1.95	2.53	3.80	3.2	2.3	1.7	2.3	1.70	2.15	2.30	2.53	3.20
36	1.0	2.3	2.8	4.2	2.9	2.30	2.68	2.85	3.23	4.20	4.8	3.1	1.8	5.6	1.80	2.78	3.95	5.00	5.60
37	0.4	1.1	0.8	1.1	0.8	0.80	0.80	0.95	1.10	1.10	0.9	1.0	2.7	0.7	0.70	0.85	0.95	1.43	2.70
38	2.4	2.9	5.3	7.6	4.6	2.90	4.18	4.95	5.88	7.60	3.3	4.6	4.4	3.6	3.30	3.53	4.00	4.45	4.60
39	3.4	0.8	7.0	1.4	1.5	0.80	1.25	1.45	2.88	7.00	2.4	0.9	0.8	1.9	0.80	0.88	1.40	2.03	2.40
40	0.5	0.9	0.8	0.5	0.9	0.50	0.73	0.85	0.90	0.90	0.7	0.4	1.2	0.8	0.40	0.63	0.75	0.90	1.20
41	0.1	0.1	0.2	0.8	0.4	0.10	0.18	0.30	0.50	0.80	1.2	0.2	0.8	0.3	0.20	0.28	0.55	0.90	1.20
42	0.2	0.7	0.7	0.6	0.4	0.40	0.55	0.65	0.70	0.70	1.0	0.6	0.3	0.4	0.30	0.38	0.50	0.70	1.00
43	0.7	2.2	2.9	1.1	0.8	0.80	1.03	1.65	2.38	2.90	2.1	1.4	2.1	1.8	1.40	1.70	1.95	2.10	2.10
44	1.3	2.1	3.8	1.9	4.9	1.90	2.05	2.95	4.08	4.90	4.2	3.2	2.1	4.9	2.10	2.93	3.70	4.38	4.90
45	0.4	0.9	1.0	0.7	1.1	0.70	0.85	0.95	1.03	1.10	0.8	0.9	0.8	0.8	0.80	0.80	0.80	0.83	0.90
46	1.3	2.7	3.1	2.5	2.6	2.50	2.58	2.65	2.80	3.10	1.8	2.2	2.0	2.9	1.80	1.95	2.10	2.38	2.90
47	4.2	9.5	8.8	9.5	10.5	8.80	9.33	9.50	9.75	10.50	10.2	8.7	10.8	9.0	8.70	8.93	9.60	10.35	10.80
48	0.9	1.1	1.3	1.7	1.2	1.10	1.18	1.25	1.40	1.70	1.1	1.4	1.9	1.2	1.10	1.18	1.30	1.53	1.90
49	1.0	1.8	2.0	1.1	2.4	1.10	1.63	1.90	2.10	2.40	2.8	2.2	2.8	2.5	2.20	2.43	2.65	2.80	2.80
50	2.2	7.7	6.6	9.0	9.3	6.60	7.43	8.35	9.08	9.30	7.1	7.7	8.0	9.1	7.10	7.55	7.85	8.28	9.10
51	0.9	2.8	2.4	1.8	4.8	1.80	2.25	2.60	3.30	4.80	2.4	4.0	1.8	2.4	1.80	2.25	2.40	2.80	4.00
52	0.2	1.3	0.7	0.8	0.6	0.60	0.68	0.75	0.93	1.30	0.9	0.7	1.2	0.4	0.40	0.63	0.80	0.98	1.20
53	0.7	1.6	1.6	2.1	1.4	1.40	1.55	1.60	1.73	2.10	2.1	1.9	1.8	2.8	1.80	1.88	2.00	2.28	2.80
54	0.8	7.4	3.7	1.2	1.9	1.20	1.73	2.80	4.63	7.40	1.1	1.7	1.2	1.9	1.10	1.18	1.45	1.75	1.90
55	0.2	0.3	1.9	0.5	0.9	0.30	0.45	0.70	1.15	1.90	1.3	0.2	0.3	1.6	0.20	0.28	0.80	1.38	1.60
56	0.7	1.4	3.3	0.7	1.9	0.70	1.23	1.65	2.25	3.30	1.8	2.3	2.2	1.3	1.30	1.68	2.00	2.23	2.30
57	2.4	4.8	4.9	4.5	6.1	4.50	4.73	4.85	5.20	6.10	5.9	5.6	6.2	9.6	5.60	5.83	6.05	7.05	9.60
58	0.4	0.9	0.6	0.9	0.7	0.60	0.68	0.80	0.90	0.90	1.3	1.0	0.5	0.7	0.50	0.65	0.85	1.08	1.30
59	7.7	24.1	20.8	21.6	34.9	20.80	21.40	22.85	26.80	34.90	27.7	22.5	25.0	29.4	22.50	24.38	26.35	28.13	29.40
60	1.3	2.1	3.4	0.8	0.6	0.60	0.75	1.45	2.43	3.40	1.2	0.6	1.0	1.0	0.60	0.90	1.00	1.05	1.20
61	1.1	0.8	1.6	0.6	1.4	0.60	0.75	1.10	1.45	1.60	1.9	0.6	0.7	0.6	0.60	0.60	0.65	1.00	1.90
62	1.1	4.4	2.4	2.0	2.3	2.00	2.23	2.35	2.90	4.40	1.8	2.7	2.1	1.8	1.80	1.80	1.95	2.25	2.70
63	0.6	1.1	3.5	2.0	2.0	1.10	1.78	2.00	2.38	3.50	2.0	1.8	1.8	0.9	0.90	1.58	1.80	1.85	2.00
64	7.1	17.8	15.6	13.0	11.3	11.30	12.58	14.30	16.15	17.80	20.5	15.9	16.4	16.6	15.90	16.28	16.50	17.58	20.50
65	2.0	6.2	5.9	5.4	5.4	5.40	5.40	5.65	5.98	6.20	5.9	5.6	5.9	5.3	5.30	5.53	5.75	5.90	5.90
66	1.0	1.1	1.5	2.2	2.1	1.10	1.40	1.80	2.13	2.20	1.0	1.3	1.5	1.2	1.00	1.15	1.25	1.35	1.50
67	5.5	14.1	13.3	15.5	13.5	13.30	13.45	13.80	14.45	15.50	13.7	12.7	11.9	15.0	11.90	12.50	13.20	14.03	15.00
68	1.0	1.2	1.3	1.7	1.4	1.20	1.28	1.35	1.48	1.70	1.8	1.3	1.4	2.1	1.30	1.38	1.60	1.88	2.10
69	0.4	0.7	1.4	1.9	0.8	0.70	0.78	1.10	1.53	1.90	1.8	0.4	1.1	1.7	0.40	0.93	1.40	1.73	1.80
70	3.9	12.4	12.3	11.9	11.9	11.90	11.90	12.10	12.33	12.40	14.8	4.9	19.4	13.5	4.90	11.35	14.15	15.95	19.40
71	0.7	1.1	3.8	1.2	0.9	0.90	1.05	1.15	1.85	3.80	1.6	1.2	1.5	4.8	1.20	1.43	1.55	2.40	4.80
72	1.7	3.5	3.5	4.1	3.4	3.40	3.48	3.50	3.65	4.10	6.6	6.7	6.5	4.2	4.20	5.93	6.55	6.63	6.70
73	0.5	1.1	0.6	1.1	6.7	0.60	0.98	1.10	2.50	6.70	1.7	1.4	0.8	0.7	0.70	0.78	1.10	1.48	1.70
74	4.0	10.7	16.4	8.7	24.2	8.70	10.20	13.55	18.35	24.20	17.5	13.3	17.7	14.8	13.30	14.43	16.15	17.55	17.70
75	6.0	16.3	12.1	17.0	15.4	12.10	14.58	15.85	16.48	17.00	11.0	13.2	14.3	11.1	11.00	11.08	12.15	13.48	14.30
76	1.8	4.9	4.2	2.5	3.9	2.50	3.55	4.05	4.38	4.90	5.5	3.4	3.7	3.4	3.40	3.40	3.55	4.15	5.50
77	0.5	0.9	1.1	0.7	1.7	0.70	0.85	1.00	1.25	1.70	3.3	1.0	0.6	0.8	0.60	0.75	0.90	1.58	3.30
78	8.0	17.1	6.8	14.6	6.8	6.80	6.80	10.70	15.23	17.10	8.6	19.8	7.4	5.3	5.30	6.88	8.00	11.40	19.80
79	1.5	4.5	6.1	2.3	4.4	2.30	3.88	4.45	4.90	6.10	8.0	8.1	3.3	4.9	3.30	4.50	6.45	8.03	8.10
80	1.5	2.5	2.4	2.2	3.4	2.20	2.35	2.45	2.73	3.40	2.7	6.7	4.7	3.0	2.70	2.93	3.85	5.20	6.70
81	0.4	1.3	0.9	0.8	0.8	0.80	0.80	0.85	1.00	1.30	1.3	0.6	0.7	0.8	0.60	0.68	0.75	0.93	1.30
82	0.5	0.8	0.7	12.5	6.4	0.70	0.78	3.60	7.93	12.50	0.6	9.8	0.8	0.9	0.60	0.75	0.85	3.13	9.80
83	0.4	3.2	1.0	0.8	0.7	0.70	0.78	0.90	1.55	3.20	0.6	0.5	1.1	1.3	0.50	0.58	0.85	1.15	1.30
84	0.4	1.0	0.7	0.8	1.0	0.70	0.78	0.90	1.00	1.00	1.1	0.6	0.7	1.4	0.60	0.68	0.90	1.18	1.40
85	0.8	1.9	1.6	1.5	1.5	1.50	1.50	1.55	1.68	1.90	1.4	1.7	1.3	1.5	1.30	1.38	1.45	1.55	1.70
86	1.5	2.8	3.0	6.2	3.4	2.80	2.95	3.20	4.10	6.20	3.1	4.4	2.7	3.1	2.70	3.00	3.10	3.43	4.40
87	2.3	3.2	6.1	7.4	3.3	3.20	3.28	4.70	6.43	7.40	3.7	3.6	3.8	3.6	3.60	3.60	3.65	3.73	3.80
88	6.0	7.4	7.4	4.8	6.8	4.80	6.30	7.10	7.40	7.40	4.4	10.3	6.3	5.8	4.40	5.45	6.05	7.30	10.30
89	0.8	1.8	1.5	2.6	1.2	1.20	1.43	1.65	2.00	2.60	1.7	2.8	3.1	2.7	1.70	2.45	2.75	2.88	3.10
90	0.6	0.7	0.7	0.7	0.9	0.70	0.70	0.70	0.75	0.90	1.4	0.9	1.3	1.0	0.90	0.98	1.15	1.33	1.40
91	0.3	0.4	0.4	2.6	0.4	0.40	0.40	0.40	0.95	2.60	2.8	0.3	0.4	0.3	0.30	0.30	0.35	1.00	2.80
92	0.2	0.2	0.3	0.2	0.4	0.20	0.20	0.25	0.33	0.40	0.2	0.3	0.3	0.5	0.20	0.28	0.30	0.35	0.50
93	3.3	10.0	16.3	9.8	9.0	9.00	9.60	9.90	11.58	16.30	11.6	19.6	12.9	16.8	11.60	12.58	14.85	17.50	19.60
94	1.5	6.2	2.8	3.2	2.8	2.80	2.80	3.00	3.95	6.20	3.3	2.3	4.8	3.3	2.30	3.05	3.30	3.68	4.80
95	2.7	4.8	5.4	4.8	7.5	4.80	4.80	5.10	5.93	7.50	5.2	6.5	4.9	6.6	4.90	5.13	5.85	6.53	6.60
96	1.0	1.2	1.8	1.4	1.8	1.20	1.35	1.60	1.80	1.80	1.3	1.2	1.4	1.8	1.20	1.28	1.35	1.50	1.80
97	1.7	4.2	4.0	5.8	3.8	3.80	3.95	4.10	4.60	5.80	3.4	4.1	4.6	4.4	3.40	3.93	4.25	4.45	4.60
98	0.3	0.6	0.8	0.5	1.3	0.50	0.58	0.70	0.93	1.30	1.1	0.8	0.5	0.8	0.50	0.73	0.80	0.88	1.10
99	2.1	3.5	4.5	4.3	4.0	3.50	3.88	4.15	4.35	4.50	11.4	4.3	4.1	4.0	4.00	4.08	4.20	6.08	11.40

Timing Intervals for Each Refresh Function (In Seconds)

Function	DM-1		DM-2						
ID	Run 1	Run 2	Run 3	Run 4	*Min*	*25th*	*Median*	*75th*	*Max*
DF_CS	3.6	3.5	3.7	3.6	3.50	3.58	3.60	3.63	3.70
DF_I	4.7	4.8	4.9	4.8	4.70	4.78	4.80	4.83	4.90
DF_SS	19.1	15.4	14.2	15.0	14.20	14.80	15.20	16.33	19.10
DF_WS	20.4	19.8	19.4	19.7	19.40	19.63	19.75	19.95	20.40
LF_CR	1.7	1.3	1.6	1.6	1.30	1.53	1.60	1.63	1.70
LF_CS	3.6	4.3	3.2	3.6	3.20	3.50	3.60	3.78	4.30
LF_I	0.9	1.7	0.8	0.9	0.80	0.88	0.90	1.10	1.70
LF_SR	1.7	1.6	1.7	1.7	1.60	1.68	1.70	1.70	1.70
LF_SS	3.2	3.5	3.7	3.1	3.10	3.18	3.35	3.55	3.70
LF_WR	1.2	1.5	1.2	1.3	1.20	1.20	1.25	1.35	1.50
LF_WS	3.1	2.7	3.1	2.9	2.70	2.85	3.00	3.10	3.10