



SPARC T4-4 Server with Oracle Database 11g Release 2

TPC-H Rev. 2.14.2
TPC-Pricing 1.6.0

Report Date:
November 30, 2011

Total System Cost

Composite Query per Hour Metric

Price / Performance

\$843,656 USD

205,792 QphH@3000GB

\$4.10/QphH@3000GB

Database Size

Database Manager

Operating System

Other Software

Availability Date

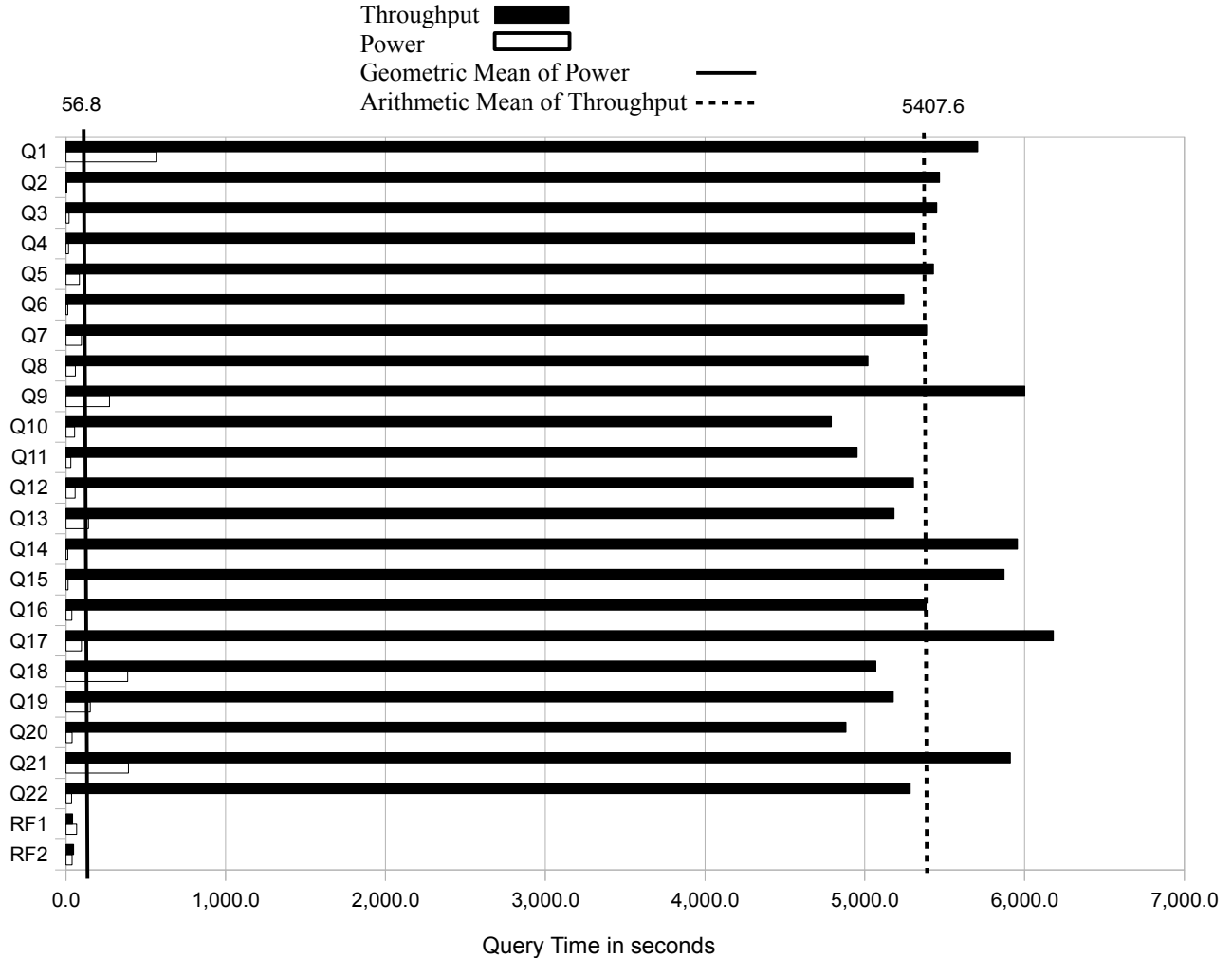
3000GB

Oracle Database 11g Release 2
Enterprise Edition with
Partitioning

Oracle Solaris 11
11/11

None

May 31, 2012



Database Load Time = 4:08:29
Load Includes Backup: N
Total Data Storage / Database Size = 15.2
Memory to Database Size Percentage = 33.3

Storage Redundancy Levels:
Base Tables: Level Three
Auxiliary Data Structures: Level Three
DBMS Temporary Space: Level Zero
OS and DBMS Software: Level One

System Configuration:

Processors:
Memory:
Disks:

SPARC T4-4 Server
4 SPARC T4 3GHz Processors, 32 cores, 256 threads
1TB
12 Sun Storage 2540 M2 w/ 12 300GB 3.5" 15K RPM SAS disks
8 300GB 10K SAS Internal
45,600GB (GB = 1024*1024*1024 bytes)

Total Storage:



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Description	Part Number	Source	Unit Price	Qty	Ext. Price	3 Yr. Maint.
Server Hardware						
SPARC T4-4 Server, base chassis	7100674	1	19,000	1	19,000	
300GB 10K RPM 2.5" SAS-2 HDD	SE6Y3G12Z	1	689	8	5,512	
2 x SPARC T4 3GHz	7100641	1	22,000	2	44,000	
32GB (2 x 16GB) DDR3 Memory	7100655	1	3,000	32	96,000	
8Gb/s FC dual port	SG-PCIEFCGBE-E8-N	1	2,089	12	25,068	
Power Cord, C13 plug	SR-JUMP-1MC13	1	29	4	116	
Sun Fire X4170 M2 Server	X4170M2-H1-AA	1	2,375	1	2,375	
Oracle Solaris 10 Pre-Install	5894A-N	1	0	1	0	
US PC Peripheral Kit (Keyboard/Mouse)	X3701A-PC	1	50	1	50	
4GB (1x4GB) DDR3-1333	4910A	1	151	2	302	
6 Gb/s SAS HBA, Internal ATO	SG-SAS6-INT-Z	1	419	1	419	
300GB 10K RPM 2.5" SAS-2 Disk	RB-SS2CF-300G10K2	1	689	1	689	
DVD+/-RW SATA-based drive ATO	8325A-N	1	134	1	134	
1 x Intel Xeon E5620 ATO	5924A	1	683	1	683	
Power Cord, C13 plug	SR-JUMP-1MC13	1	29	1	29	
19" TFT Monitor	X7205A-N	1	249	1	249	
Server Hardware Subtotal					194,626	0
Storage						
Sun Storage 2540 M2 Array	7100183	1	14,420	12	173,040	
3.5" 300GB 15K RPM SAS-2 HDD	7100019	1	500	144	72,000	
1 AC Power Supply	7100021	1	365	24	8,760	
Power cord: Sun Rack Jumper, straight	333V-20-15-C14	1	25	24	600	
15M LC to LC FC cable	X9734A-Z-N	1	105	24	2,520	
Sun Rack II 42U	SR-1242E	1	2,849	1	2,849	
PDU 15kVA, Single Phase, LV	SR-15K-L630-N	1	1,200	2	2,400	
Jumper Cable Kit SunRack II - 20 C13 cables	SR-JUMPKIT-N	1	198		198	
Storage Subtotal					262,367	0
Server Software						
Oracle Solaris 11 11/11, Oracle Solaris Studio 12		1	0	1	0	
Software Support for Solaris Development Tools		1	1,200	3		3,600
Oracle Database 11g Release 2 Enterprise Edition, Per Processor for 3 years (for 16 processors)		1	23,750	16	380,000	
Partitioning, Per Processor for 3 years (for 16 processors)		1	5,750	16	92,000	
Incident Server Support for 3 years		1	2,300	3		6,900
Server Software Subtotal					472,000	10,500
Oracle Premier Hardware Support	Q-PREM-SPRT-SYS	1	54,839	3		164,517
Total					928,993	175,017
Total Oracle Software, Hardware and Maintenance Discount		1			(260,355)	
Notes (Source):					3 Yr. Cost	\$843,656
1. Oracle Corp.					QpH @3000GB	205,792
					\$/QpH @3000GB	\$4.10

Audited by Francois Raab of InfoSizing, Inc.

Oracle's discounts are based upon US list prices and for similar quantities and configurations. A total discount of 23.6% has been applied to all Oracle hardware, software and services based on the total value and quantities of the components of the configuration, including full payment of all components and maintenance.

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 section of the TPC benchmark specifications. If you find that stated prices are not available according to these terms, please inform the TPC at pricing@tpc.org. Thank you.



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Report Date:
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Numerical Quantities

Measurement Results:

Database Scale Factor	= 3000GB
Total Data Storage / Database Size	= 15.2
Start of database load time	= 10-27-2011 16:35:59
End of database load time	= 10-27-2011 20:44:28
Database Load Time	= 4:08:29
Query Streams for Throughput Test	= 128
TPC-H Power	= 190,325.1
TPC-H Throughput	= 222,515.9
TPC-H Composite Query-per-Hour Rating (QpH@3000GB)	= 205,792
Total System Price Over 3 Years	= \$843,656
TPC-H Price/Performance Metric (\$/QpH@3000GB)	= \$4.10

Measurement Intervals:

Measurement Interval in Throughput Test (Ts)	= 136,677 seconds
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Duration of Stream Execution:

Power Run	Seed	RF1 Start RF1 End	Query Start Query End	RF2 Start RF2 End	Duration
	1027204428	10/27/2011 20:44:28 10/27/2011 20:45:36	10/27/2011 20:45:36 10/27/2011 21:28:47	10/27/2011 21:28:47 10/27/2011 21:29:26	00:44:58

Throughput Stream	Seed	Query Start Query End	Duration	RF1 Start RF1 End	RF2 Start RF2 End
1	1027204429	10/27/2011 21:29:38	08:01:22	10/29/2011 08:17:08	10/29/2011 08:17:42
		10/29/2011 05:30:59		10/29/2011 08:17:42	10/29/2011 08:18:34
2	1027204430	10/27/2011 21:29:38	08:01:22	10/29/2011 08:18:34	10/29/2011 08:19:13
		10/29/2011 05:30:59		10/29/2011 08:19:13	10/29/2011 08:20:01
3	1027204431	10/27/2011 21:29:38	07:32:35	10/29/2011 08:20:01	10/29/2011 08:20:42
		10/29/2011 05:02:13		10/29/2011 08:20:42	10/29/2011 08:21:28
4	1027204432	10/27/2011 21:29:38	07:45:33	10/29/2011 08:21:28	10/29/2011 08:22:05
		10/29/2011 05:15:11		10/29/2011 08:22:05	10/29/2011 08:22:55
5	1027204433	10/27/2011 21:29:38	07:49:51	10/29/2011 08:22:55	10/29/2011 08:23:33
		10/29/2011 05:19:28		10/29/2011 08:23:33	10/29/2011 08:24:19
6	1027204434	10/27/2011 21:29:38	07:46:06	10/29/2011 08:24:19	10/29/2011 08:24:56
		10/29/2011 05:15:44		10/29/2011 08:24:56	10/29/2011 08:25:44
7	1027204435	10/27/2011 21:29:38	08:00:23	10/29/2011 08:25:44	10/29/2011 08:26:22
		10/29/2011 05:30:01		10/29/2011 08:26:22	10/29/2011 08:27:08
8	1027204436	10/27/2011 21:29:38	07:52:06	10/29/2011 08:27:08	10/29/2011 08:27:46
		10/29/2011 05:21:44		10/29/2011 08:27:46	10/29/2011 08:28:35
9	1027204437	10/27/2011 21:29:38	07:47:11	10/29/2011 08:28:35	10/29/2011 08:29:17
		10/29/2011 05:16:49		10/29/2011 08:29:17	10/29/2011 08:30:01
10	1027204438	10/27/2011 21:29:38	08:00:23	10/29/2011 08:30:01	10/29/2011 08:30:44
		10/29/2011 05:30:01		10/29/2011 08:30:44	10/29/2011 08:31:29
11	1027204439	10/27/2011 21:29:38	07:43:58	10/29/2011 08:31:29	10/29/2011 08:32:10

Throughput Stream	Seed	Query Start Query End	Duration	RF1 Start RF1 End	RF2 Start RF2 End
12	1027204440	10/27/2011 21:29:38	07:53:36	10/29/2011 08:32:55	10/29/2011 08:33:33
		10/29/2011 05:23:14		10/29/2011 08:33:33	10/29/2011 08:34:20
13	1027204441	10/27/2011 21:29:38	08:01:55	10/29/2011 08:34:20	10/29/2011 08:34:58
		10/29/2011 05:31:33		10/29/2011 08:34:58	10/29/2011 08:35:50
14	1027204442	10/27/2011 21:29:38	07:55:40	10/29/2011 08:35:50	10/29/2011 08:36:31
		10/29/2011 05:25:18		10/29/2011 08:36:31	10/29/2011 08:37:18
15	1027204443	10/27/2011 21:29:38	07:49:50	10/29/2011 08:37:18	10/29/2011 08:37:58
		10/29/2011 05:19:28		10/29/2011 08:37:58	10/29/2011 08:38:46
16	1027204444	10/27/2011 21:29:38	08:54:26	10/29/2011 08:38:46	10/29/2011 08:39:24
		10/29/2011 06:24:05		10/29/2011 08:39:24	10/29/2011 08:40:17
17	1027204445	10/27/2011 21:29:38	07:49:50	10/29/2011 08:40:17	10/29/2011 08:41:00
		10/29/2011 05:19:28		10/29/2011 08:41:00	10/29/2011 08:41:48
18	1027204446	10/27/2011 21:29:38	08:03:03	10/29/2011 08:41:48	10/29/2011 08:42:35
		10/29/2011 05:32:41		10/29/2011 08:42:35	10/29/2011 08:43:22
19	1027204447	10/27/2011 21:29:38	07:39:15	10/29/2011 08:43:22	10/29/2011 08:44:00
		10/29/2011 05:08:54		10/29/2011 08:44:00	10/29/2011 08:44:48
20	1027204448	10/27/2011 21:29:38	08:01:21	10/29/2011 08:44:48	10/29/2011 08:45:30
		10/29/2011 05:30:59		10/29/2011 08:45:30	10/29/2011 08:46:18
21	1027204449	10/27/2011 21:29:38	08:11:42	10/29/2011 08:46:18	10/29/2011 08:47:04
		10/29/2011 05:41:21		10/29/2011 08:47:04	10/29/2011 08:47:50
22	1027204450	10/27/2011 21:29:38	08:01:32	10/29/2011 08:47:50	10/29/2011 08:48:34
		10/29/2011 05:31:11		10/29/2011 08:48:33	10/29/2011 08:49:19
23	1027204451	10/27/2011 21:29:38	08:01:54	10/29/2011 08:49:19	10/29/2011 08:50:02
		10/29/2011 05:31:33		10/29/2011 08:50:02	10/29/2011 08:50:50
24	1027204452	10/27/2011 21:29:39	08:06:32	10/29/2011 08:50:50	10/29/2011 08:51:34
		10/29/2011 05:36:10		10/29/2011 08:51:34	10/29/2011 08:52:22
25	1027204453	10/27/2011 21:29:39	08:03:03	10/29/2011 08:52:22	10/29/2011 08:53:01
		10/29/2011 05:32:42		10/29/2011 08:53:01	10/29/2011 08:53:49
26	1027204454	10/27/2011 21:29:39	08:09:02	10/29/2011 08:53:49	10/29/2011 08:54:29
		10/29/2011 05:38:41		10/29/2011 08:54:29	10/29/2011 08:55:16
27	1027204455	10/27/2011 21:29:39	08:14:26	10/29/2011 08:55:16	10/29/2011 08:55:59
		10/29/2011 05:44:05		10/29/2011 08:55:59	10/29/2011 08:56:47
28	1027204456	10/27/2011 21:29:39	07:49:50	10/29/2011 08:56:47	10/29/2011 08:57:27
		10/29/2011 05:19:28		10/29/2011 08:57:27	10/29/2011 08:58:14
29	1027204457	10/27/2011 21:29:39	08:17:08	10/29/2011 08:58:14	10/29/2011 08:58:55
		10/29/2011 05:46:47		10/29/2011 08:58:55	10/29/2011 08:59:42
30	1027204458	10/27/2011 21:29:39	09:02:31	10/29/2011 08:59:42	10/29/2011 09:00:23
		10/29/2011 06:32:10		10/29/2011 09:00:23	10/29/2011 09:01:10
31	1027204459	10/27/2011 21:29:39	08:11:24	10/29/2011 09:01:10	10/29/2011 09:01:50
		10/29/2011 05:41:03		10/29/2011 09:01:49	10/29/2011 09:02:39
32	1027204460	10/27/2011 21:29:39	07:51:02	10/29/2011 09:02:39	10/29/2011 09:03:21
		10/29/2011 05:20:41		10/29/2011 09:03:21	10/29/2011 09:04:13
33	1027204461	10/27/2011 21:29:39	08:45:13	10/29/2011 09:04:13	10/29/2011 09:04:58
		10/29/2011 06:14:52		10/29/2011 09:04:58	10/29/2011 09:05:46
34	1027204462	10/27/2011 21:29:39	09:16:54	10/29/2011 09:05:46	10/29/2011 09:06:29
		10/29/2011 06:46:34		10/29/2011 09:06:29	10/29/2011 09:07:14
35	1027204463	10/27/2011 21:29:40	08:04:05	10/29/2011 09:07:14	10/29/2011 09:08:04
		10/29/2011 05:33:44		10/29/2011 09:08:03	10/29/2011 09:08:50
36	1027204464	10/27/2011 21:29:40	08:19:25	10/29/2011 09:08:50	10/29/2011 09:09:37
		10/29/2011 05:49:05		10/29/2011 09:09:37	10/29/2011 09:10:22

Throughput Stream	Seed	Query Start Query End	Duration	RF1 Start RF1 End	RF2 Start RF2 End
37	1027204465	10/27/2011 21:29:40	07:51:00	10/29/2011 09:10:22	10/29/2011 09:11:03
		10/29/2011 05:20:40		10/29/2011 09:11:03	10/29/2011 09:11:50
38	1027204466	10/27/2011 21:29:41	08:55:05	10/29/2011 09:11:50	10/29/2011 09:12:31
		10/29/2011 06:24:46		10/29/2011 09:12:31	10/29/2011 09:13:20
39	1027204467	10/27/2011 21:29:41	08:12:18	10/29/2011 09:13:20	10/29/2011 09:14:00
		10/29/2011 05:41:59		10/29/2011 09:14:00	10/29/2011 09:14:48
40	1027204468	10/27/2011 21:29:41	08:27:50	10/29/2011 09:14:48	10/29/2011 09:15:30
		10/29/2011 05:57:31		10/29/2011 09:15:30	10/29/2011 09:16:16
41	1027204469	10/27/2011 21:29:42	08:28:32	10/29/2011 09:16:16	10/29/2011 09:16:59
		10/29/2011 05:58:13		10/29/2011 09:16:59	10/29/2011 09:17:45
42	1027204470	10/27/2011 21:29:42	08:03:00	10/29/2011 09:17:45	10/29/2011 09:18:25
		10/29/2011 05:32:42		10/29/2011 09:18:25	10/29/2011 09:19:15
43	1027204471	10/27/2011 21:29:42	08:36:07	10/29/2011 09:19:15	10/29/2011 09:19:54
		10/29/2011 06:05:49		10/29/2011 09:19:54	10/29/2011 09:20:44
44	1027204472	10/27/2011 21:29:43	07:52:01	10/29/2011 09:20:44	10/29/2011 09:21:27
		10/29/2011 05:21:44		10/29/2011 09:21:27	10/29/2011 09:22:13
45	1027204473	10/27/2011 21:29:43	08:14:42	10/29/2011 09:22:13	10/29/2011 09:22:54
		10/29/2011 05:44:25		10/29/2011 09:22:54	10/29/2011 09:23:41
46	1027204474	10/27/2011 21:29:43	08:12:16	10/29/2011 09:23:41	10/29/2011 09:24:28
		10/29/2011 05:41:59		10/29/2011 09:24:28	10/29/2011 09:25:13
47	1027204475	10/27/2011 21:29:44	09:02:30	10/29/2011 09:25:13	10/29/2011 09:25:52
		10/29/2011 06:32:14		10/29/2011 09:25:51	10/29/2011 09:26:39
48	1027204476	10/27/2011 21:29:44	08:08:35	10/29/2011 09:26:39	10/29/2011 09:27:19
		10/29/2011 05:38:19		10/29/2011 09:27:19	10/29/2011 09:28:06
49	1027204477	10/27/2011 21:29:44	08:35:13	10/29/2011 09:28:06	10/29/2011 09:28:48
		10/29/2011 06:04:57		10/29/2011 09:28:48	10/29/2011 09:29:35
50	1027204478	10/27/2011 21:29:45	08:37:10	10/29/2011 09:29:35	10/29/2011 09:30:16
		10/29/2011 06:06:55		10/29/2011 09:30:16	10/29/2011 09:31:05
51	1027204479	10/27/2011 21:29:45	08:34:19	10/29/2011 09:31:05	10/29/2011 09:31:46
		10/29/2011 06:04:04		10/29/2011 09:31:46	10/29/2011 09:32:34
52	1027204480	10/27/2011 21:29:45	08:11:36	10/29/2011 09:32:34	10/29/2011 09:33:12
		10/29/2011 05:41:21		10/29/2011 09:33:12	10/29/2011 09:34:00
53	1027204481	10/27/2011 21:29:45	08:28:00	10/29/2011 09:34:00	10/29/2011 09:34:38
		10/29/2011 05:57:45		10/29/2011 09:34:38	10/29/2011 09:35:24
54	1027204482	10/27/2011 21:29:45	08:13:08	10/29/2011 09:35:24	10/29/2011 09:36:03
		10/29/2011 05:42:53		10/29/2011 09:36:03	10/29/2011 09:36:54
55	1027204483	10/27/2011 21:29:46	09:21:14	10/29/2011 09:36:54	10/29/2011 09:37:39
		10/29/2011 06:51:00		10/29/2011 09:37:39	10/29/2011 09:38:25
56	1027204484	10/27/2011 21:29:46	09:10:22	10/29/2011 09:38:25	10/29/2011 09:39:05
		10/29/2011 06:40:08		10/29/2011 09:39:05	10/29/2011 09:39:55
57	1027204485	10/27/2011 21:29:46	09:41:11	10/29/2011 09:39:55	10/29/2011 09:40:33
		10/29/2011 07:10:57		10/29/2011 09:40:33	10/29/2011 09:41:19
58	1027204486	10/27/2011 21:29:47	08:34:17	10/29/2011 09:41:19	10/29/2011 09:41:59
		10/29/2011 06:04:04		10/29/2011 09:41:59	10/29/2011 09:42:44
59	1027204487	10/27/2011 21:29:47	08:19:21	10/29/2011 09:42:44	10/29/2011 09:43:24
		10/29/2011 05:49:08		10/29/2011 09:43:24	10/29/2011 09:44:13
60	1027204488	10/27/2011 21:29:47	08:16:13	10/29/2011 09:44:13	10/29/2011 09:44:52
		10/29/2011 05:46:00		10/29/2011 09:44:52	10/29/2011 09:45:45
61	1027204489	10/27/2011 21:29:47	09:22:37	10/29/2011 09:45:45	10/29/2011 09:46:25
		10/29/2011 06:52:25		10/29/2011 09:46:25	10/29/2011 09:47:14
62	1027204490	10/27/2011 21:29:48	08:28:09	10/29/2011 09:47:14	10/29/2011 09:47:52

Throughput Stream	Seed	Query Start Query End	Duration	RF1 Start RF1 End	RF2 Start RF2 End
63	1027204491	10/27/2011 21:29:48	08:26:13	10/29/2011 09:48:36	10/29/2011 09:49:14
		10/29/2011 05:56:01		10/29/2011 09:49:14	10/29/2011 09:50:01
64	1027204492	10/27/2011 21:29:49	08:41:42	10/29/2011 09:50:01	10/29/2011 09:50:41
		10/29/2011 06:11:31		10/29/2011 09:50:41	10/29/2011 09:51:25
65	1027204493	10/27/2011 21:29:49	09:20:13	10/29/2011 09:51:25	10/29/2011 09:52:09
		10/29/2011 06:50:02		10/29/2011 09:52:09	10/29/2011 09:52:57
66	1027204494	10/27/2011 21:29:50	09:31:09	10/29/2011 09:52:57	10/29/2011 09:53:43
		10/29/2011 07:00:58		10/29/2011 09:53:43	10/29/2011 09:54:31
67	1027204495	10/27/2011 21:29:50	08:43:45	10/29/2011 09:54:31	10/29/2011 09:55:10
		10/29/2011 06:13:35		10/29/2011 09:55:10	10/29/2011 09:56:02
68	1027204496	10/27/2011 21:29:50	08:25:52	10/29/2011 09:56:02	10/29/2011 09:56:42
		10/29/2011 05:55:43		10/29/2011 09:56:41	10/29/2011 09:57:26
69	1027204497	10/27/2011 21:29:51	08:16:09	10/29/2011 09:57:27	10/29/2011 09:58:04
		10/29/2011 05:46:00		10/29/2011 09:58:04	10/29/2011 09:58:51
70	1027204498	10/27/2011 21:29:51	09:45:29	10/29/2011 09:58:51	10/29/2011 09:59:29
		10/29/2011 07:15:20		10/29/2011 09:59:29	10/29/2011 10:00:16
71	1027204499	10/27/2011 21:29:52	10:33:57	10/29/2011 10:00:16	10/29/2011 10:01:00
		10/29/2011 08:03:49		10/29/2011 10:01:00	10/29/2011 10:01:46
72	1027204500	10/27/2011 21:29:52	08:56:48	10/29/2011 10:01:46	10/29/2011 10:02:36
		10/29/2011 06:26:40		10/29/2011 10:02:36	10/29/2011 10:03:26
73	1027204501	10/27/2011 21:29:52	08:28:21	10/29/2011 10:03:26	10/29/2011 10:04:06
		10/29/2011 05:58:13		10/29/2011 10:04:06	10/29/2011 10:04:52
74	1027204502	10/27/2011 21:29:53	09:28:27	10/29/2011 10:04:52	10/29/2011 10:05:32
		10/29/2011 06:58:20		10/29/2011 10:05:32	10/29/2011 10:06:19
75	1027204503	10/27/2011 21:29:53	09:34:57	10/29/2011 10:06:19	10/29/2011 10:07:02
		10/29/2011 07:04:50		10/29/2011 10:07:02	10/29/2011 10:07:46
76	1027204504	10/27/2011 21:29:54	08:12:17	10/29/2011 10:07:46	10/29/2011 10:08:29
		10/29/2011 05:42:10		10/29/2011 10:08:29	10/29/2011 10:09:16
77	1027204505	10/27/2011 21:29:54	09:08:42	10/29/2011 10:09:16	10/29/2011 10:09:57
		10/29/2011 06:38:36		10/29/2011 10:09:57	10/29/2011 10:10:51
78	1027204506	10/27/2011 21:29:55	09:12:21	10/29/2011 10:10:51	10/29/2011 10:11:30
		10/29/2011 06:42:15		10/29/2011 10:11:30	10/29/2011 10:12:15
79	1027204507	10/27/2011 21:29:55	09:16:21	10/29/2011 10:12:15	10/29/2011 10:12:58
		10/29/2011 06:46:16		10/29/2011 10:12:58	10/29/2011 10:13:51
80	1027204508	10/27/2011 21:29:55	09:12:36	10/29/2011 10:13:51	10/29/2011 10:14:33
		10/29/2011 06:42:32		10/29/2011 10:14:33	10/29/2011 10:15:24
81	1027204509	10/27/2011 21:29:56	10:44:12	10/29/2011 10:15:24	10/29/2011 10:16:11
		10/29/2011 08:14:08		10/29/2011 10:16:11	10/29/2011 10:16:56
82	1027204510	10/27/2011 21:29:56	08:49:28	10/29/2011 10:16:56	10/29/2011 10:17:42
		10/29/2011 06:19:24		10/29/2011 10:17:42	10/29/2011 10:18:31

Throughput Stream	Seed	Query Start Query End	Duration	RF1 Start RF1 End	RF2 Start RF2 End
83	1027204511	10/27/2011 21:29:57	09:16:37	10/29/2011 10:18:31	10/29/2011 10:19:10
		10/29/2011 06:46:34		10/29/2011 10:19:10	10/29/2011 10:19:57
84	1027204512	10/27/2011 21:29:57	09:20:23	10/29/2011 10:19:57	10/29/2011 10:20:39
		10/29/2011 06:50:20		10/29/2011 10:20:39	10/29/2011 10:21:26
85	1027204513	10/27/2011 21:29:58	10:18:05	10/29/2011 10:21:26	10/29/2011 10:22:09
		10/29/2011 07:48:03		10/29/2011 10:22:09	10/29/2011 10:23:01
86	1027204514	10/27/2011 21:29:58	09:04:06	10/29/2011 10:23:01	10/29/2011 10:23:52
		10/29/2011 06:34:03		10/29/2011 10:23:52	10/29/2011 10:24:45
87	1027204515	10/27/2011 21:29:58	09:28:22	10/29/2011 10:24:45	10/29/2011 10:25:30
		10/29/2011 06:58:20		10/29/2011 10:25:30	10/29/2011 10:26:17
88	1027204516	10/27/2011 21:29:59	10:22:51	10/29/2011 10:26:17	10/29/2011 10:26:56
		10/29/2011 07:52:50		10/29/2011 10:26:56	10/29/2011 10:27:42
89	1027204517	10/27/2011 21:30:00	09:00:18	10/29/2011 10:27:42	10/29/2011 10:28:21
		10/29/2011 06:30:17		10/29/2011 10:28:21	10/29/2011 10:29:08
90	1027204518	10/27/2011 21:29:59	09:03:17	10/29/2011 10:29:08	10/29/2011 10:29:48
		10/29/2011 06:33:16		10/29/2011 10:29:48	10/29/2011 10:30:36
91	1027204519	10/27/2011 21:30:00	09:01:57	10/29/2011 10:30:36	10/29/2011 10:31:17
		10/29/2011 06:31:57		10/29/2011 10:31:17	10/29/2011 10:32:03
92	1027204520	10/27/2011 21:30:00	09:44:42	10/29/2011 10:32:03	10/29/2011 10:32:47
		10/29/2011 07:14:42		10/29/2011 10:32:47	10/29/2011 10:33:36
93	1027204521	10/27/2011 21:30:01	09:16:47	10/29/2011 10:33:36	10/29/2011 10:34:21
		10/29/2011 06:46:48		10/29/2011 10:34:21	10/29/2011 10:35:13
94	1027204522	10/27/2011 21:30:01	10:00:42	10/29/2011 10:35:13	10/29/2011 10:35:55
		10/29/2011 07:30:43		10/29/2011 10:35:55	10/29/2011 10:36:45
95	1027204523	10/27/2011 21:30:02	08:45:05	10/29/2011 10:36:45	10/29/2011 10:37:23
		10/29/2011 06:15:06		10/29/2011 10:37:23	10/29/2011 10:38:09
96	1027204524	10/27/2011 21:30:02	09:45:20	10/29/2011 10:38:09	10/29/2011 10:38:50
		10/29/2011 07:15:22		10/29/2011 10:38:50	10/29/2011 10:39:37
97	1027204525	10/27/2011 21:30:02	10:00:41	10/29/2011 10:39:37	10/29/2011 10:40:26
		10/29/2011 07:30:43		10/29/2011 10:40:26	10/29/2011 10:41:15
98	1027204526	10/27/2011 21:30:03	10:43:53	10/29/2011 10:41:15	10/29/2011 10:41:56
		10/29/2011 08:13:56		10/29/2011 10:41:56	10/29/2011 10:42:44
99	1027204527	10/27/2011 21:30:03	09:34:29	10/29/2011 10:42:44	10/29/2011 10:43:29
		10/29/2011 07:04:32		10/29/2011 10:43:29	10/29/2011 10:44:17
100	1027204528	10/27/2011 21:30:03	09:18:14	10/29/2011 10:44:17	10/29/2011 10:44:56
		10/29/2011 06:48:17		10/29/2011 10:44:56	10/29/2011 10:45:43
101	1027204529	10/27/2011 21:30:03	10:04:11	10/29/2011 10:45:43	10/29/2011 10:46:23
		10/29/2011 07:34:14		10/29/2011 10:46:23	10/29/2011 10:47:09
102	1027204530	10/27/2011 21:30:03	10:30:34	10/29/2011 10:47:09	10/29/2011 10:47:48
		10/29/2011 08:00:38		10/29/2011 10:47:48	10/29/2011 10:48:38
103	1027204531	10/27/2011 21:30:04	10:27:36	10/29/2011 10:48:38	10/29/2011 10:49:17

Throughput Stream	Seed	Query Start Query End	Duration	RF1 Start RF1 End	RF2 Start RF2 End
104	1027204532	10/27/2011 21:30:04	10:19:18	10/29/2011 10:50:01	10/29/2011 10:50:43
		10/29/2011 07:49:22		10/29/2011 10:50:43	10/29/2011 10:51:32
105	1027204533	10/27/2011 21:30:04	09:35:24	10/29/2011 10:51:32	10/29/2011 10:52:10
		10/29/2011 07:05:28		10/29/2011 10:52:10	10/29/2011 10:52:57
106	1027204534	10/27/2011 21:30:04	10:33:31	10/29/2011 10:52:57	10/29/2011 10:53:38
		10/29/2011 08:03:35		10/29/2011 10:53:38	10/29/2011 10:54:31
107	1027204535	10/27/2011 21:30:04	10:38:46	10/29/2011 10:54:31	10/29/2011 10:55:10
		10/29/2011 08:08:50		10/29/2011 10:55:10	10/29/2011 10:56:07
108	1027204536	10/27/2011 21:30:04	10:07:51	10/29/2011 10:56:07	10/29/2011 10:56:48
		10/29/2011 07:37:55		10/29/2011 10:56:48	10/29/2011 10:57:39
109	1027204537	10/27/2011 21:30:04	09:45:18	10/29/2011 10:57:39	10/29/2011 10:58:18
		10/29/2011 07:15:22		10/29/2011 10:58:18	10/29/2011 10:59:09
110	1027204538	10/27/2011 21:30:04	10:39:48	10/29/2011 10:59:09	10/29/2011 10:59:48
		10/29/2011 08:09:52		10/29/2011 10:59:48	10/29/2011 11:00:35
111	1027204539	10/27/2011 21:30:04	10:31:17	10/29/2011 11:00:35	10/29/2011 11:01:16
		10/29/2011 08:01:21		10/29/2011 11:01:16	10/29/2011 11:02:01
112	1027204540	10/27/2011 21:30:04	10:43:53	10/29/2011 11:02:01	10/29/2011 11:02:39
		10/29/2011 08:13:57		10/29/2011 11:02:39	10/29/2011 11:03:25
113	1027204541	10/27/2011 21:30:04	10:42:26	10/29/2011 11:03:25	10/29/2011 11:04:06
		10/29/2011 08:12:30		10/29/2011 11:04:06	10/29/2011 11:04:55
114	1027204542	10/27/2011 21:30:04	10:42:44	10/29/2011 11:04:55	10/29/2011 11:05:37
		10/29/2011 08:12:48		10/29/2011 11:05:37	10/29/2011 11:06:24
115	1027204543	10/27/2011 21:30:04	10:04:21	10/29/2011 11:06:24	10/29/2011 11:07:05
		10/29/2011 07:34:25		10/29/2011 11:07:05	10/29/2011 11:07:51
116	1027204544	10/27/2011 21:30:04	10:16:42	10/29/2011 11:07:51	10/29/2011 11:08:39
		10/29/2011 07:46:46		10/29/2011 11:08:39	10/29/2011 11:09:25
117	1027204545	10/27/2011 21:30:04	09:24:10	10/29/2011 11:09:25	10/29/2011 11:10:06
		10/29/2011 06:54:14		10/29/2011 11:10:06	10/29/2011 11:10:56
118	1027204546	10/27/2011 21:30:04	10:33:29	10/29/2011 11:10:56	10/29/2011 11:11:41
		10/29/2011 08:03:33		10/29/2011 11:11:41	10/29/2011 11:12:29
119	1027204547	10/27/2011 21:30:04	10:05:36	10/29/2011 11:12:29	10/29/2011 11:13:13
		10/29/2011 07:35:41		10/29/2011 11:13:13	10/29/2011 11:14:00
120	1027204548	10/27/2011 21:30:04	10:47:04	10/29/2011 11:14:00	10/29/2011 11:14:43
		10/29/2011 08:17:08		10/29/2011 11:14:43	10/29/2011 11:15:32
121	1027204549	10/27/2011 21:30:04	10:18:18	10/29/2011 11:15:32	10/29/2011 11:16:13
		10/29/2011 07:48:22		10/29/2011 11:16:13	10/29/2011 11:17:01
122	1027204550	10/27/2011 21:30:04	10:16:22	10/29/2011 11:17:01	10/29/2011 11:17:46
		10/29/2011 07:46:26		10/29/2011 11:17:46	10/29/2011 11:18:36
123	1027204551	10/27/2011 21:30:04	10:25:11	10/29/2011 11:18:36	10/29/2011 11:19:17
		10/29/2011 07:55:16		10/29/2011 11:19:17	10/29/2011 11:20:04

Throughput Stream	Seed	Query Start Query End	Duration	RF1 Start RF1 End	RF2 Start RF2 End
124	1027204552	10/27/2011 21:30:05	10:34:32	10/29/2011 11:20:04	10/29/2011 11:20:41
		10/29/2011 08:04:37		10/29/2011 11:20:41	10/29/2011 11:21:31
125	1027204553	10/27/2011 21:30:05	10:27:18	10/29/2011 11:21:31	10/29/2011 11:22:10
		10/29/2011 07:57:22		10/29/2011 11:22:10	10/29/2011 11:23:00
126	1027204554	10/27/2011 21:30:05	10:43:42	10/29/2011 11:23:00	10/29/2011 11:23:41
		10/29/2011 08:13:47		10/29/2011 11:23:41	10/29/2011 11:24:32
127	1027204555	10/27/2011 21:30:05	10:37:14	10/29/2011 11:24:32	10/29/2011 11:25:17
		10/29/2011 08:07:18		10/29/2011 11:25:17	10/29/2011 11:26:08
128	1027204556	10/27/2011 21:30:05	10:12:49	10/29/2011 11:26:08	10/29/2011 11:26:44
		10/29/2011 07:42:54		10/29/2011 11:26:44	10/29/2011 11:27:34

TPC-H Timing Intervals (in seconds):

Stream ID	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12
0	569.2	6.2	20.2	16.2	84.6	12.1	97.8	58.8	273.8	55.6	31.4	57.7
1	4,317.9	4,380.5	13,260.1	3,458.0	6,884.0	8,135.2	4,716.0	2,129.5	3,624.1	3,518.2	5,691.6	4,735.6
2	3,325.0	8,193.4	3,555.8	3,308.9	5,735.3	30.7	3,893.6	4,522.7	8,696.7	4,646.5	4,354.2	7,829.6
3	8,038.2	3,111.5	3,632.9	9,328.5	14,208.0	6,380.5	4,652.8	150.5	5,069.5	4,173.0	4,572.0	4,125.1
4	3,343.9	3,355.3	4,357.4	3,129.6	214.9	8,008.0	4,240.8	5,711.1	4,445.5	4,261.7	7,317.2	8,376.0
5	3,327.6	4,319.5	7,484.2	9,309.0	2,653.8	6,734.0	5,767.5	3,522.9	3,322.6	4,396.7	5,054.2	4,566.6
6	3,306.3	3,306.6	13,991.1	3,080.5	4,303.1	5,849.6	8,518.5	4,563.7	8,670.1	343.8	4,475.0	7,674.0
7	4,835.4	5,807.8	6,716.0	4,820.3	4,127.2	3,836.7	2,352.0	13,035.5	5,666.0	3,325.0	3,229.7	3,749.0
8	14,835.6	3,998.3	3,867.1	5,773.4	5,635.4	4,239.4	3,857.6	5,256.6	8,414.9	3,462.4	3,278.7	7,868.9
9	2,302.7	9,154.7	5,397.7	3,345.7	4,365.2	7,569.8	3,526.4	1,336.3	4,424.8	3,882.2	4,279.3	3,195.3
10	6,096.9	7,662.4	4,350.7	3,558.9	3,514.3	1,171.6	8,117.9	4,465.9	3,424.8	3,575.8	4,138.2	5,835.5
11	3,755.0	3,007.8	4,364.5	4,944.2	7,267.4	3,614.5	3,521.3	4,339.4	2,441.0	5,597.8	8,198.6	3,788.7
12	3,040.6	7,405.8	3,548.5	3,664.9	3,546.2	7,996.1	12,995.8	3,194.2	4,297.1	2,881.4	5,784.3	7,863.2
13	7,427.5	7,129.1	6,574.0	3,704.7	4,166.1	5,701.0	9,082.6	3,557.7	4,388.1	4,975.7	3,888.1	8,649.3
14	4,521.5	1,618.9	3,506.6	6,577.3	8,776.2	3,286.2	5,790.9	2,069.6	13,821.2	3,983.7	3,591.5	4,501.5
15	3,418.9	3,407.3	3,929.6	4,345.9	3,381.8	3,110.1	5,677.6	6,357.8	13,820.7	8,393.4	4,675.5	8,376.6
16	3,444.1	5,513.1	12,641.7	5,939.1	6,544.2	8,624.8	3,914.9	2,503.7	4,384.1	6,852.2	3,655.9	3,432.6
17	3,324.1	7,571.9	2,311.9	3,521.5	8,973.4	4,229.3	4,167.6	7,486.9	5,567.1	3,201.7	6,393.4	3,322.6
18	7,018.4	5,892.9	3,085.8	13,175.6	6,585.3	7,807.0	3,558.9	7,934.1	2,065.7	4,127.2	4,899.7	3,770.0
19	3,251.7	8,213.6	4,381.1	2,343.3	5,477.0	2,411.9	3,282.0	3,273.1	4,095.9	4,289.8	3,851.5	13,474.5
20	4,254.2	3,542.6	2,435.3	5,578.8	7,295.4	4,398.1	3,427.5	3,627.7	4,056.6	3,282.0	3,996.5	5,106.5
21	5,989.3	3,829.9	3,859.6	7,882.9	3,577.3	4,007.8	2,574.1	3,199.3	3,379.4	3,244.3	5,697.0	6,198.1
22	3,185.1	6,276.0	3,584.3	8,213.4	3,615.6	3,299.5	4,245.0	2,170.2	4,399.5	4,739.9	8,369.9	3,873.2
23	3,657.5	4,831.8	4,467.8	3,438.5	4,637.9	7,372.6	3,489.0	7,814.4	9,573.3	2,020.4	8,033.2	5,801.5
24	2,018.5	4,476.7	12,771.0	4,432.3	3,365.8	8,105.8	3,264.2	3,780.6	5,764.9	8,814.1	4,168.1	3,505.9
25	14,373.6	6,718.6	3,517.8	3,770.2	3,257.2	4,239.3	5,624.6	4,536.3	3,515.4	5,102.7	3,759.7	3,916.0
26	3,365.8	12,512.2	2,041.8	5,067.4	6,315.2	4,496.1	3,157.4	3,678.6	4,162.0	4,279.3	5,497.2	3,712.6
27	4,260.9	6,138.5	3,610.2	6,779.0	4,385.4	8,257.8	3,831.7	5,427.9	5,533.5	3,943.7	3,523.0	3,856.3
28	8,781.0	3,039.2	3,381.8	4,198.8	3,461.0	3,943.4	3,835.0	3,546.5	4,355.5	3,573.2	3,322.6	6,681.9
29	9,577.1	2,491.7	3,696.9	3,778.4	6,726.8	4,674.4	3,893.9	12,763.4	10,000.3	3,705.0	3,456.7	6,275.2
30	5,062.6	5,888.5	6,230.7	3,917.3	5,391.4	3,865.5	3,822.1	3,506.9	3,806.2	5,067.7	3,797.6	2,963.7
31	8,022.1	3,596.4	5,780.5	5,780.4	4,272.0	4,007.8	5,078.3	3,711.3	12,504.1	3,290.2	7,658.6	4,161.0
32	3,464.7	3,280.3	4,316.6	5,358.5	3,751.0	7,178.9	5,928.0	9,698.7	4,481.6	2,881.4	1,979.9	12,974.0
33	5,707.8	9,475.3	3,544.2	4,276.3	7,875.8	3,544.2	4,887.4	2,541.5	4,410.4	7,417.7	5,934.9	3,962.6
34	5,346.3	6,512.5	5,500.0	5,991.0	3,692.0	7,679.1	6,156.2	4,255.1	5,047.6	3,962.6	9,356.6	3,407.4

Stream ID	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12
35	4,808.6	5,483.2	3,290.2	3,977.1	8,334.7	3,712.4	3,489.7	6,345.7	3,565.8	6,980.3	3,418.5	7,101.9
36	5,338.4	3,597.2	4,304.6	5,265.5	6,130.4	6,215.9	9,541.1	3,809.8	4,554.3	3,638.3	3,053.7	4,429.6
37	2,881.4	3,468.8	3,365.8	3,546.1	9,658.2	6,906.1	7,351.2	5,949.3	8,636.1	3,490.2	4,787.7	4,846.0
38	6,242.8	6,896.1	4,303.8	9,599.4	12,683.1	7,728.3	5,523.4	4,454.0	5,446.7	3,742.9	6,188.1	3,899.1
39	3,581.0	3,803.8	4,118.9	5,886.8	4,863.9	5,747.3	12,793.7	3,466.0	2,241.9	3,552.1	3,815.7	3,979.5
40	7,001.6	3,666.0	7,206.9	6,219.3	3,615.6	3,891.0	4,274.7	3,685.2	5,809.8	3,379.4	6,850.2	4,559.1
41	3,285.4	12,656.8	5,594.5	3,609.8	4,002.6	5,425.1	3,748.0	6,874.8	10,379.3	3,570.5	3,992.6	4,311.4
42	4,223.0	4,276.2	11,779.7	3,401.6	5,170.8	8,048.3	4,951.6	2,277.0	3,786.0	3,594.6	6,182.2	4,407.8
43	3,237.1	6,285.0	4,189.8	4,036.8	5,291.9	4,580.7	3,584.5	4,139.1	7,598.7	6,947.8	3,754.4	5,991.1
44	7,835.3	2,222.6	3,251.5	9,346.1	12,426.5	5,245.4	4,767.0	4,735.9	5,784.3	3,664.9	3,409.8	4,730.5
45	3,136.5	3,496.0	3,742.4	4,303.7	4,582.4	6,515.1	3,830.1	5,860.8	3,938.7	3,838.0	5,809.8	8,575.9
46	3,502.2	4,091.3	6,903.4	9,263.7	2,309.6	5,299.4	6,296.7	3,463.9	3,734.0	3,658.2	5,707.6	4,118.6
47	3,692.0	3,308.9	11,790.6	4,380.5	3,962.6	6,166.7	6,979.6	4,778.3	8,888.5	5,504.9	3,108.1	7,118.5
48	4,054.1	5,246.8	6,299.4	6,108.3	4,007.1	3,632.0	2,517.1	10,880.9	5,436.1	3,290.2	3,459.4	4,011.6
49	12,963.2	3,694.6	5,979.0	4,921.3	5,024.1	3,390.0	4,245.0	7,087.4	7,540.9	3,464.5	4,714.8	6,622.4
50	2,600.2	9,040.6	6,934.0	3,635.6	3,738.5	6,863.5	3,299.0	5,812.2	3,586.7	5,000.9	3,489.9	4,387.4
51	6,880.9	6,636.5	3,977.1	4,382.3	4,661.1	5,608.3	7,067.9	3,827.0	3,565.8	4,851.5	3,426.5	6,387.8
52	4,303.7	3,390.7	4,222.3	5,610.3	6,656.9	3,558.9	3,812.3	3,379.2	2,220.8	6,044.2	6,632.5	3,619.6
53	7,562.7	5,680.6	4,001.7	5,019.6	3,681.0	6,773.0	11,344.2	4,225.3	4,056.5	3,636.9	5,387.6	7,635.7
54	5,587.6	5,717.3	5,831.2	3,597.3	3,938.6	5,375.4	9,103.9	3,313.7	4,138.6	6,088.4	4,936.3	7,856.9
55	7,605.6	6,769.8	3,725.4	5,853.7	8,655.2	6,638.2	4,961.9	2,658.9	11,669.3	3,882.3	3,896.0	4,239.0
56	3,237.1	3,740.5	4,915.2	4,158.7	3,565.8	4,052.2	5,986.1	5,879.0	11,665.2	7,497.6	6,271.6	6,925.1
57	8,373.2	5,312.9	11,374.4	4,980.3	6,042.4	7,973.1	3,632.9	2,711.1	6,631.8	4,548.8	3,793.8	3,837.5
58	3,238.5	7,789.2	6,917.0	3,954.0	8,524.3	3,757.0	4,871.4	6,318.1	5,849.8	4,429.4	5,420.8	4,661.9
59	6,706.4	5,601.1	4,391.4	11,569.5	5,364.6	6,742.8	4,382.2	8,392.5	2,489.3	3,952.6	5,157.7	3,540.2
60	3,766.3	6,494.7	3,996.0	6,948.8	5,587.5	2,346.6	3,546.9	4,542.8	4,691.9	3,490.0	3,773.5	11,890.9
61	5,366.5	4,178.4	2,724.4	5,997.9	4,123.9	3,668.4	4,138.9	6,803.3	3,144.6	3,835.6	3,940.7	4,848.6
62	6,491.1	4,295.2	3,799.3	7,607.3	3,557.1	4,189.8	2,591.7	3,380.7	3,471.1	4,056.9	5,359.6	5,776.8
63	4,349.3	5,433.1	3,708.3	6,702.3	3,628.6	3,136.5	3,851.5	2,639.6	3,709.8	5,791.2	7,670.5	4,221.2
64	5,462.7	6,706.7	4,039.7	3,885.5	3,426.4	5,549.6	4,778.3	7,353.8	9,177.1	2,573.3	6,421.6	5,273.5
65	2,600.2	3,650.9	11,454.5	3,417.9	3,172.8	6,726.8	7,448.9	5,422.3	6,227.9	8,535.7	4,059.6	4,337.6
66	13,098.5	5,966.9	3,859.9	3,851.6	4,871.3	3,596.4	6,246.3	3,404.4	7,317.1	7,121.5	6,434.1	4,287.8
67	3,091.3	11,226.9	2,574.1	5,384.6	5,995.9	3,649.2	4,021.1	3,931.2	5,730.6	3,456.7	5,136.1	4,599.2
68	3,945.8	5,130.5	3,720.3	6,843.1	4,024.4	6,832.7	4,845.5	6,016.9	6,959.6	3,812.3	3,650.4	4,354.5
69	8,322.5	4,411.9	3,585.8	4,007.2	3,229.1	3,470.1	4,231.1	4,472.3	3,568.2	7,693.2	3,936.5	5,727.8
70	8,645.3	3,266.8	4,289.9	7,586.5	4,199.6	8,006.1	3,462.3	11,386.9	8,998.7	7,801.8	4,921.1	5,260.6
71	6,005.7	9,788.7	5,103.6	3,214.8	5,897.3	4,019.6	8,041.3	3,680.8	4,731.2	6,811.2	3,506.6	3,616.0
72	6,827.8	7,813.5	5,897.3	5,033.9	3,387.4	3,670.3	6,880.9	3,790.1	12,051.5	3,498.2	6,863.9	4,093.7
73	3,496.0	4,311.4	3,952.6	5,899.9	5,038.3	5,809.8	5,169.5	8,249.9	3,838.0	3,636.9	2,574.3	11,470.2
74	6,967.3	8,131.5	5,078.9	3,984.8	7,174.2	3,874.9	6,651.9	2,704.0	4,405.0	5,833.8	5,986.5	3,699.4
75	9,711.3	7,298.8	6,124.5	5,112.8	3,477.8	7,269.3	5,809.8	3,852.9	5,038.3	3,855.5	7,793.6	3,587.5
76	3,972.4	5,575.5	3,091.3	3,649.2	6,971.0	3,718.1	3,636.9	5,237.1	3,660.1	6,623.8	3,815.5	6,575.2
77	6,534.2	3,936.6	4,040.6	5,930.9	5,251.9	4,765.1	7,656.8	3,744.2	9,151.8	3,854.2	4,089.4	4,197.6
78	3,923.3	3,692.8	3,366.1	3,570.3	7,939.2	5,773.1	4,789.6	5,142.6	7,877.2	6,262.3	6,820.4	3,982.5
79	8,259.0	4,672.8	6,209.9	7,947.5	11,323.6	6,865.5	4,318.3	4,212.0	6,677.6	3,748.3	5,350.1	4,238.2
80	3,480.8	6,402.7	8,433.2	5,328.3	6,626.1	5,296.7	11,559.4	3,326.9	2,574.1	3,988.7	3,528.9	4,466.0
81	7,943.0	2,076.7	8,182.2	3,887.6	3,410.3	3,958.0	4,717.8	4,549.9	4,163.1	3,558.9	8,149.3	4,231.2
82	3,237.1	11,300.7	4,985.6	3,562.3	3,739.2	5,318.4	4,039.7	6,358.0	7,930.7	4,036.8	3,559.1	5,251.0
83	4,010.7	3,669.1	10,643.3	6,502.4	5,945.0	7,114.4	6,694.3	2,738.5	3,750.9	3,472.8	5,327.5	4,189.9
84	3,366.2	4,831.1	3,725.0	3,973.2	4,267.1	8,604.5	3,678.6	5,026.4	7,823.5	8,066.5	4,104.2	4,408.6
85	8,797.4	3,280.4	9,172.1	7,814.7	10,672.5	5,895.0	7,161.5	9,317.9	4,892.6	7,570.1	4,303.0	3,421.5

Stream ID	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12
86	3,498.2	3,843.4	4,047.6	3,969.4	9,518.1	5,424.0	3,599.2	4,497.8	4,963.2	3,363.9	4,695.9	7,532.1
87	3,570.3	3,458.3	4,789.6	7,369.0	2,573.3	5,919.3	5,549.5	3,707.4	7,158.7	3,829.1	4,927.1	3,956.7
88	3,834.6	3,262.8	10,598.8	4,064.2	3,348.1	5,331.9	6,102.6	6,865.4	7,827.3	9,517.1	4,290.7	5,165.7
89	3,905.1	4,360.8	4,216.2	7,905.3	3,311.2	3,716.6	2,677.6	10,451.9	4,421.9	3,467.2	4,716.1	5,777.9
90	11,744.5	3,750.9	6,724.0	4,647.7	4,407.6	2,472.7	5,054.3	7,490.5	7,761.5	2,906.7	5,897.8	5,366.5
91	2,470.3	7,672.7	7,349.1	3,793.8	3,913.0	7,222.4	3,701.5	9,913.2	3,751.1	6,209.3	4,245.0	4,154.6
92	7,728.4	5,209.8	3,213.6	4,257.4	7,548.7	9,955.7	7,362.5	3,619.9	4,465.2	6,126.4	3,690.6	5,389.7
93	4,175.8	3,870.4	3,424.3	4,972.8	5,447.3	4,001.7	6,597.5	4,240.7	2,578.6	5,055.5	5,988.7	3,877.4
94	11,730.0	4,382.1	4,484.7	6,645.9	3,664.7	4,510.8	10,435.4	4,060.1	5,007.1	3,454.2	4,292.2	8,036.2
95	4,966.1	4,724.3	6,364.5	3,621.2	3,370.9	4,818.2	6,785.1	3,576.4	4,078.3	7,063.5	6,291.0	7,508.0
96	8,537.9	10,467.1	4,491.1	6,052.1	6,664.0	7,588.5	4,329.0	3,399.2	10,886.1	3,669.9	3,928.4	3,349.7
97	3,136.1	4,396.8	6,727.0	3,444.0	3,514.6	3,942.3	4,685.3	6,720.2	11,138.0	7,223.0	7,860.0	5,698.3
98	12,469.4	4,206.3	10,464.3	4,299.3	6,207.7	6,382.3	3,322.6	3,337.7	7,420.2	3,451.4	4,451.3	3,413.1
99	3,144.6	7,197.2	11,414.9	3,854.9	6,777.0	3,656.4	6,258.8	4,416.8	8,180.1	3,987.5	6,452.5	7,338.8
100	4,724.8	4,854.6	4,324.4	9,994.0	5,996.3	6,016.2	3,692.7	7,324.1	3,405.0	3,242.2	6,936.1	3,401.6
101	8,955.2	5,678.7	3,356.7	11,445.9	4,810.8	2,675.6	4,042.8	4,274.9	7,054.5	4,235.0	3,856.8	10,376.4
102	6,335.8	4,183.0	3,376.1	4,931.3	3,413.0	3,309.5	4,142.5	9,669.4	3,829.0	4,239.8	3,452.7	4,135.5
103	8,206.1	9,490.7	3,322.6	7,212.9	4,251.3	4,162.8	3,503.8	3,126.7	4,308.1	5,024.4	4,291.3	6,899.9
104	4,079.7	6,317.9	3,882.0	5,680.4	3,744.3	2,944.0	3,655.3	2,976.6	4,579.3	7,303.3	7,156.7	5,933.7
105	6,489.5	7,823.6	3,691.9	3,454.2	3,101.4	4,512.3	7,394.8	8,179.6	7,218.4	2,675.5	4,501.5	4,617.2
106	3,320.1	2,389.9	10,017.6	4,877.1	3,103.4	5,424.0	11,943.3	6,538.0	5,176.0	6,453.7	3,306.8	4,030.6
107	11,947.1	4,432.0	4,196.0	3,557.2	4,859.6	3,163.5	5,808.1	2,569.3	10,320.8	7,910.6	7,366.0	4,829.1
108	2,943.1	10,007.3	2,978.5	4,318.3	6,630.1	2,574.5	4,047.4	4,093.8	7,064.6	4,738.4	4,445.1	4,683.4
109	3,295.4	4,224.9	3,658.3	4,464.4	4,034.9	7,841.0	6,415.4	6,757.5	8,584.5	3,828.9	3,915.4	4,361.9
110	7,747.3	4,164.4	4,512.7	2,393.1	3,015.4	3,344.9	7,332.0	4,578.2	3,989.7	12,076.8	9,699.5	5,962.5
111	8,972.9	3,364.0	4,354.0	9,670.2	3,868.4	7,841.7	3,435.4	10,125.3	7,069.9	12,200.4	4,873.0	4,452.3
112	6,625.2	6,551.4	4,450.1	5,446.7	6,089.4	3,516.2	12,351.5	4,095.5	4,712.6	7,707.4	3,947.3	3,600.9
113	9,723.0	12,126.8	5,520.2	4,372.4	5,809.1	4,196.9	8,172.9	4,179.6	10,748.9	3,636.9	3,037.1	3,718.1
114	5,423.9	9,065.1	5,009.7	6,157.9	6,392.9	4,599.6	4,434.5	6,660.9	2,671.6	3,770.2	3,429.9	10,315.4
115	8,964.8	6,538.2	6,559.4	5,033.0	8,026.9	3,826.9	7,768.1	3,150.4	4,392.5	4,532.2	6,242.7	2,574.5
116	14,057.0	9,101.3	5,605.1	4,534.6	4,299.7	7,990.7	3,794.2	4,163.7	7,203.6	2,574.5	6,813.1	3,270.3
117	3,931.2	4,291.2	2,809.2	2,436.5	8,088.1	3,750.9	3,826.9	4,594.8	4,469.8	4,409.9	6,721.6	4,629.6
118	8,066.2	4,454.5	5,037.1	5,854.0	4,416.0	3,297.1	6,341.9	3,859.5	13,197.5	3,892.4	3,931.2	3,804.4
119	4,194.0	4,373.6	2,964.7	4,299.7	6,404.2	3,757.5	3,451.4	4,581.2	8,495.6	7,423.9	7,921.4	3,494.3
120	9,450.6	3,424.8	7,385.3	6,675.6	10,387.3	8,168.9	3,701.2	4,456.0	10,026.8	3,497.8	4,471.0	4,630.3
121	3,534.1	9,158.6	12,740.1	4,267.1	7,967.5	4,322.5	10,442.1	3,288.9	3,350.8	5,024.4	3,687.5	4,684.9
122	5,788.4	2,241.2	8,189.6	4,441.9	3,515.7	4,101.0	4,189.2	4,439.4	5,247.9	3,512.7	7,779.2	4,328.4
123	3,047.5	10,328.8	4,213.3	4,330.0	4,507.8	4,636.8	3,241.1	3,198.9	7,393.6	3,892.4	2,441.0	9,572.4
124	3,349.5	2,369.6	9,408.3	9,614.2	5,808.1	7,896.3	7,964.5	3,507.4	4,058.6	4,303.1	4,413.8	5,173.4
125	2,894.5	3,213.5	4,328.5	4,125.0	3,889.9	13,224.0	4,504.3	5,619.4	8,771.9	8,069.3	3,523.8	3,722.4
126	8,264.9	3,341.6	8,866.5	6,341.9	10,185.5	5,775.1	8,082.1	13,357.7	5,126.4	7,519.0	4,500.1	3,802.3
127	3,373.3	4,090.8	3,297.1	4,368.7	13,197.0	3,091.2	3,558.9	4,312.3	6,419.6	2,241.9	3,561.3	8,208.4
128	4,401.6	2,499.9	3,451.4	6,723.5	3,170.8	5,553.2	4,677.4	3,337.1	9,240.6	3,417.7	4,267.7	4,034.0
Min	569.2	6.2	20.2	16.2	84.6	12.1	97.8	58.8	273.8	55.6	31.4	57.7
Avg	5,667.7	5,426.3	5,408.5	5,271.3	5,388.7	5,203.5	5,346.1	4,981.8	5,956.9	4,753.4	4,913.7	5,265.1
Max	14,835.6	12,656.8	13,991.1	13,175.6	14,208.0	13,224.0	12,995.8	13,357.7	13,821.2	12,200.4	9,699.5	13,474.5

Stream ID	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20	Q21	Q22	RF1	RF2
0	141.8	11.4	13.4	37.2	97.6	387.0	153.5	38.7	391.7	35.3	67.1	39.5
1	7,014.1	3,290.1	3,830.9	5,982.9	3,358.4	9,274.8	4,273.6	8,566.7	1,194.2	3,645.2	34.2	51.4
2	3,968.2	9,809.5	3,129.6	6,425.6	13,764.4	2,309.6	6,342.5	4,068.4	3,569.1	3,802.2	39.0	48.0

Stream ID	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20	Q21	Q22	RF1	RF2
3	3,525.4	4,097.9	6,392.9	3,887.3	6,075.6	7,990.7	3,526.7	3,795.8	2,963.3	3,856.9	40.6	46.4
4	2,917.9	9,454.6	5,565.0	3,802.6	5,069.0	2,322.5	7,158.2	3,610.2	14,063.7	3,608.1	36.9	49.9
5	4,117.6	2,989.9	13,119.6	4,545.5	3,505.3	8,306.9	8,567.9	3,021.8	1,372.1	4,585.4	38.4	45.2
6	6,343.3	3,074.5	9,351.9	2,463.6	4,760.7	4,227.3	4,180.3	3,642.2	3,353.3	4,886.4	37.8	47.4
7	3,621.6	3,530.3	4,231.2	3,451.3	8,273.7	1,606.1	4,365.2	9,272.7	7,680.2	7,690.7	37.7	46.0
8	3,385.7	3,621.6	8,780.3	3,631.7	6,617.8	4,218.5	1,137.2	7,161.4	3,568.7	2,114.9	38.8	48.6
9	13,434.3	3,180.3	7,383.8	3,520.0	5,909.6	3,185.1	5,726.3	6,786.9	8,186.3	4,338.7	41.5	44.8
10	4,263.3	7,372.6	13,264.4	2,265.9	6,765.6	9,250.7	3,628.1	3,493.6	5,809.1	3,197.4	42.4	45.1
11	3,950.5	13,109.8	1,367.2	8,149.3	6,724.8	9,251.8	4,715.0	4,529.3	3,266.8	4,333.6	40.5	45.0
12	3,365.8	4,231.2	3,341.9	8,788.3	6,721.1	5,460.3	4,895.3	4,562.0	2,027.7	5,204.6	38.6	47.2
13	3,839.7	2,074.9	4,231.2	3,147.2	12,843.7	3,530.3	3,840.3	3,526.6	2,260.5	6,776.3	37.2	52.4
14	7,279.0	3,413.5	7,927.3	3,904.0	4,687.1	5,578.8	4,873.5	8,081.4	3,632.7	3,517.3	40.9	47.3
15	2,817.4	5,515.1	7,291.3	1,711.0	9,047.8	3,322.6	4,951.4	2,443.0	4,289.8	4,305.9	40.1	47.3
16	4,382.2	7,501.0	4,302.9	5,354.7	3,391.9	3,366.9	4,290.2	4,377.5	5,774.2	8,274.9	38.2	52.8
17	2,020.4	4,222.4	8,214.8	13,240.3	5,452.0	4,289.8	3,973.9	3,408.7	5,533.1	4,163.4	42.7	48.9
18	9,155.8	2,296.5	3,712.4	3,560.2	4,655.0	3,503.1	4,082.7	3,815.9	6,215.9	4,465.3	46.6	46.5
19	3,280.4	6,264.6	4,622.0	8,446.8	5,455.0	3,074.8	4,683.2	3,739.8	7,150.7	8,892.7	38.2	48.4
20	6,267.8	8,886.3	13,207.0	2,432.2	4,396.4	7,956.4	8,543.9	4,502.9	3,440.3	4,646.5	42.1	47.7
21	4,433.6	13,045.5	5,703.8	5,758.9	5,217.6	3,649.2	8,220.9	2,610.8	9,843.6	3,979.6	45.7	46.3
22	9,098.5	13,058.3	3,991.0	2,521.7	3,650.0	5,491.2	7,891.3	3,597.8	5,497.7	4,523.4	43.1	45.3
23	3,558.9	5,834.5	12,578.3	5,833.4	3,579.4	3,602.5	3,883.4	3,856.3	4,364.8	3,084.8	43.1	48.2
24	5,239.0	6,363.7	3,520.1	3,564.6	3,920.6	7,572.0	4,515.2	3,284.0	5,673.1	7,471.7	43.4	48.8
25	9,239.0	8,266.6	3,518.2	6,045.4	2,332.9	3,040.2	4,357.4	3,393.3	5,773.4	7,085.3	38.3	48.1
26	3,588.6	8,105.8	4,048.8	3,670.4	4,714.2	3,476.4	8,068.5	7,678.0	5,267.3	8,838.5	40.1	46.6
27	3,047.9	3,298.9	7,113.5	3,520.9	12,978.9	1,973.7	4,084.9	4,465.6	10,177.6	5,856.7	43.1	47.8
28	5,780.4	4,429.1	7,291.3	5,585.8	2,680.2	4,820.3	3,504.6	8,300.3	7,493.2	12,585.0	40.1	47.5
29	3,762.6	3,718.1	3,270.9	6,192.0	5,699.9	5,248.5	4,463.3	4,285.9	3,636.9	4,910.5	40.5	47.2
30	8,355.8	5,506.6	4,678.7	3,644.5	13,036.8	6,704.4	4,150.4	3,800.6	6,001.3	9,752.3	41.4	46.4
31	2,394.2	3,859.6	3,447.3	3,128.3	4,557.1	7,017.7	4,191.8	5,873.3	9,739.9	3,812.1	39.7	49.7
32	4,760.9	4,082.3	3,685.8	7,799.2	8,233.7	3,000.4	4,836.5	3,664.6	3,454.8	5,850.3	42.0	51.3
33	3,285.4	7,678.1	3,704.3	12,589.2	6,034.6	3,812.3	4,199.0	3,210.9	5,907.0	3,914.4	45.0	48.5
34	12,138.0	6,627.1	4,427.4	4,032.5	3,759.8	5,468.6	4,408.1	2,530.3	6,090.3	3,425.8	42.6	45.6
35	3,412.4	3,722.3	4,074.6	4,877.1	12,937.2	2,346.5	4,154.3	5,366.4	4,249.4	9,796.7	49.1	46.5
36	4,858.4	2,240.8	3,447.0	3,666.2	12,695.4	6,980.3	4,294.4	3,999.8	8,334.7	5,969.4	46.6	44.9
37	4,079.1	12,431.0	4,263.3	2,064.0	4,525.7	3,074.6	6,267.2	3,381.0	4,166.9	5,520.6	41.6	46.6
38	3,907.3	5,250.2	3,725.0	6,783.9	3,780.8	4,045.2	2,898.0	4,224.7	3,851.5	3,331.1	41.0	49.1
39	4,007.2	9,588.2	5,214.2	3,625.8	3,780.0	3,773.0	7,968.7	7,388.9	8,677.2	4,064.1	40.4	47.6
40	4,584.2	5,050.0	12,336.8	3,260.0	9,886.6	2,585.1	4,492.7	4,072.1	5,038.3	5,405.2	42.3	45.4
41	3,456.7	4,263.6	2,475.7	6,184.9	6,294.0	7,512.5	4,545.9	5,776.0	4,071.4	4,880.2	42.9	46.6
42	7,089.4	3,285.0	3,836.0	5,851.8	3,370.6	9,302.0	4,031.3	7,281.5	5,567.8	3,665.6	39.6	50.3
43	3,426.4	9,399.1	4,025.8	5,300.1	12,669.5	2,573.3	6,648.9	3,586.2	4,812.5	5,288.8	39.0	49.1
44	4,231.9	4,277.0	7,372.6	3,378.0	6,141.8	7,645.2	3,388.2	4,254.8	3,475.5	3,136.6	43.5	45.4
45	3,636.9	9,589.3	5,930.1	5,107.2	5,304.1	2,529.2	5,880.0	3,879.9	12,336.8	4,259.1	40.9	47.7
46	4,241.8	4,303.7	11,669.6	5,130.9	4,343.3	6,490.5	8,801.9	3,522.9	5,760.7	3,321.7	46.5	45.2
47	5,170.8	3,489.7	9,352.1	2,378.1	4,134.7	4,168.4	4,356.9	4,412.2	5,965.6	5,842.7	38.4	47.3
48	3,571.1	3,497.8	4,351.1	3,631.2	6,805.6	6,761.2	4,846.0	9,203.4	6,426.2	7,678.3	40.1	47.1
49	3,917.1	3,965.2	8,406.7	3,636.8	6,128.3	3,738.5	6,074.0	5,122.9	3,918.1	2,758.7	41.8	47.2
50	11,990.4	3,918.1	5,664.6	4,832.6	6,212.9	3,972.4	6,099.5	5,600.3	6,828.2	3,922.8	41.0	49.2
51	3,839.3	5,828.5	11,799.9	2,449.3	5,675.2	9,238.3	4,232.0	3,327.3	5,442.4	4,154.1	40.2	48.7
52	3,950.5	11,624.9	5,840.6	7,790.5	5,720.3	9,226.6	4,847.1	5,831.9	3,352.1	4,259.9	37.4	47.9
53	3,270.9	3,748.1	4,283.2	8,437.3	6,096.2	5,076.6	4,478.9	3,858.7	2,395.6	6,229.6	38.7	45.7

Stream ID	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20	Q21	Q22	RF1	RF2
54	3,718.2	2,447.4	4,196.9	3,941.6	11,175.8	3,535.6	4,169.4	3,651.9	6,798.6	6,867.5	38.6	50.9
55	5,809.8	3,539.3	6,142.1	4,269.3	4,165.5	5,548.7	4,414.9	7,241.6	5,038.3	3,349.1	45.3	46.5
56	4,036.8	5,259.2	5,764.9	6,862.8	8,867.7	6,368.8	4,133.6	2,681.7	3,463.1	4,089.8	39.5	50.1
57	4,033.3	7,156.4	3,255.5	6,709.0	4,319.3	3,677.1	4,410.1	4,271.2	7,724.7	6,502.6	38.2	45.1
58	2,622.3	3,551.3	6,615.9	11,635.7	5,826.4	3,253.5	4,144.5	4,505.7	5,957.2	3,413.3	40.8	44.5
59	8,607.6	6,899.7	3,366.9	3,882.6	3,312.2	4,036.8	4,166.3	4,206.0	5,882.9	3,709.8	39.5	49.2
60	3,290.2	5,677.5	5,919.4	7,800.0	5,881.2	3,489.7	4,788.6	3,767.3	6,093.1	8,390.7	39.2	52.7
61	5,420.8	8,440.0	11,594.8	7,041.4	6,595.1	7,778.1	7,113.5	3,606.5	3,874.9	5,920.9	40.2	49.2
62	4,141.2	11,447.0	5,641.9	4,802.8	6,132.8	3,439.8	7,070.1	7,136.2	8,492.7	4,008.2	38.0	44.1
63	8,462.4	11,384.6	3,758.6	7,228.6	4,295.5	5,672.9	7,343.0	4,572.3	5,985.6	3,227.4	37.7	47.0
64	3,809.2	5,894.7	11,408.9	5,394.1	3,793.0	7,227.8	3,791.7	3,654.3	3,921.2	4,159.4	39.7	44.1
65	5,206.7	5,867.6	3,490.4	6,660.9	4,038.8	6,839.6	4,079.5	4,136.9	7,025.8	5,612.0	44.1	47.9
66	7,362.0	7,089.8	3,835.6	5,265.3	2,794.1	7,448.1	4,759.7	3,343.7	4,429.8	4,284.9	46.0	47.4
67	7,801.6	6,811.0	3,535.7	4,902.0	4,130.5	3,472.8	6,122.1	7,611.6	6,229.5	8,411.4	39.1	52.4
68	3,456.7	7,483.4	6,144.8	3,520.7	11,702.4	2,199.9	4,519.0	3,797.9	8,251.7	5,539.9	39.3	45.0
69	5,425.1	3,357.4	6,881.3	5,562.2	2,578.1	5,791.1	4,138.2	6,786.7	7,670.5	11,323.1	37.3	47.2
70	2,385.8	3,640.5	3,000.0	3,386.0	4,563.5	6,371.6	4,841.0	4,513.5	3,582.4	7,419.2	37.8	47.3
71	6,827.8	4,235.5	7,360.1	2,397.9	11,753.3	6,811.0	4,911.2	4,295.3	3,451.4	7,976.5	43.4	46.8
72	2,496.3	4,045.2	3,790.1	4,075.0	4,251.2	5,634.1	5,335.2	5,705.7	7,906.3	5,561.0	49.6	49.9
73	6,880.4	3,771.4	7,852.5	6,932.0	7,079.0	4,160.3	4,390.8	4,066.4	3,091.4	5,229.9	40.5	45.6
74	3,207.1	6,433.3	7,873.4	11,581.9	5,453.8	3,877.6	4,350.8	4,158.0	5,328.3	3,750.7	39.7	47.0
75	10,521.0	5,976.2	4,140.6	3,991.0	3,955.0	5,225.0	4,552.4	2,603.1	6,969.8	4,031.2	42.9	43.9
76	3,490.0	7,901.3	3,696.9	6,774.6	11,787.4	2,574.1	4,346.7	5,987.5	4,861.9	7,990.5	42.9	47.5
77	6,689.9	2,474.1	3,470.9	3,741.0	11,095.6	6,372.2	6,274.5	3,455.2	7,260.2	5,335.0	41.2	53.2
78	8,389.5	11,349.7	4,186.9	2,645.8	3,838.2	4,102.3	5,609.2	6,436.9	3,948.5	5,894.3	39.2	45.6
79	3,573.7	5,893.3	3,692.8	5,776.4	3,170.6	3,948.5	3,154.7	8,538.2	3,390.3	4,819.9	42.6	52.6
80	3,649.2	7,860.4	5,901.0	5,040.7	4,182.0	4,034.1	6,129.6	6,553.3	7,174.2	4,020.2	41.9	51.4
81	8,537.4	3,807.0	11,323.6	3,533.0	8,229.5	3,404.4	10,185.0	5,611.5	7,150.7	4,441.7	46.7	45.0
82	4,186.9	8,575.1	2,591.7	5,629.1	6,971.2	7,183.1	4,127.6	5,977.2	4,138.9	5,468.5	46.5	48.5
83	5,417.3	3,499.7	5,549.3	5,026.2	4,342.9	7,744.3	4,397.1	6,518.0	9,420.1	3,823.6	39.5	46.0
84	3,348.1	7,654.0	3,967.4	5,979.1	11,624.2	2,417.5	5,808.2	3,744.6	6,921.9	6,683.6	42.2	47.1
85	3,492.3	5,059.6	3,379.7	4,365.2	5,583.5	5,076.5	4,624.6	2,489.9	3,074.8	4,040.8	42.6	52.2
86	3,886.8	6,981.5	4,929.7	6,249.5	7,437.1	2,496.3	6,600.3	6,001.7	11,442.0	4,068.1	51.6	52.0
87	6,238.4	4,000.9	10,114.0	7,123.2	4,080.9	5,658.8	7,640.8	4,034.6	10,458.4	4,343.8	45.0	47.7
88	5,876.3	3,962.6	7,758.3	2,533.0	4,109.5	6,184.6	4,340.4	4,115.0	9,679.1	5,003.3	38.4	46.1
89	3,830.0	3,637.8	4,158.7	4,001.9	5,489.7	10,661.2	6,723.4	6,916.4	7,196.3	7,274.4	39.4	46.8
90	3,826.9	3,752.1	6,379.0	4,401.6	6,893.8	3,948.5	10,151.9	4,625.0	3,692.7	3,100.5	39.4	48.1
91	10,312.5	3,671.7	4,548.8	5,875.6	5,560.7	4,079.7	5,382.3	6,117.2	5,568.8	3,404.3	41.6	45.9
92	4,749.6	4,760.7	10,304.6	2,792.5	6,290.2	7,637.8	4,486.5	3,228.0	4,469.0	4,195.4	43.9	49.0
93	3,652.6	10,205.8	10,035.2	7,355.7	6,241.6	7,656.8	4,376.4	7,030.9	3,499.7	5,521.9	44.9	51.5
94	3,136.2	3,349.7	8,509.1	6,482.2	6,866.8	4,201.0	4,390.4	3,484.0	3,214.9	8,104.1	41.8	50.2
95	3,599.2	2,573.3	3,738.5	4,393.1	10,096.1	3,918.1	5,323.7	4,017.8	11,362.8	5,714.8	38.5	45.4
96	4,282.8	3,793.8	5,370.2	3,998.5	5,010.1	5,124.2	3,940.1	7,207.8	6,249.8	3,179.8	40.6	47.3
97	3,454.2	4,235.5	4,512.3	10,747.3	6,743.1	8,509.1	4,384.0	3,228.9	4,670.7	3,470.1	49.0	49.2
98	4,355.5	8,052.2	2,450.1	8,104.7	4,248.9	3,400.2	4,840.2	5,085.8	10,467.1	4,602.4	40.8	47.8
99	2,675.5	3,163.8	5,368.8	10,076.8	4,659.3	4,670.7	4,379.5	4,338.4	4,852.0	4,004.2	44.8	48.1
100	6,624.7	11,397.3	3,748.3	6,605.5	4,452.0	3,456.6	4,059.4	6,316.5	5,179.9	4,141.5	39.4	46.9
101	3,144.6	6,491.1	7,158.5	7,252.5	5,123.0	3,854.9	4,516.8	3,792.0	4,105.9	6,448.6	39.7	46.4
102	6,463.6	6,260.7	10,286.5	11,535.7	7,546.4	7,134.3	6,438.9	2,353.8	4,038.9	7,158.3	39.1	49.9
103	3,891.0	10,179.9	4,406.7	3,380.1	8,037.0	2,393.1	5,638.2	11,714.1	6,374.2	4,240.9	38.8	43.7
104	6,380.0	10,236.6	3,795.8	11,625.4	9,330.8	4,843.0	5,563.0	4,194.7	5,012.7	4,323.2	42.2	49.1

Stream ID	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20	Q21	Q22	RF1	RF2
105	4,210.6	6,273.0	10,268.6	4,437.4	3,852.3	11,625.3	3,720.4	3,921.5	4,910.1	4,044.8	37.9	46.4
106	4,371.8	6,788.2	4,438.3	9,778.3	4,772.3	7,131.8	4,186.6	4,084.3	7,728.4	4,550.8	41.0	53.2
107	6,343.3	7,821.1	4,325.7	4,542.9	3,616.3	11,713.9	4,598.6	2,975.7	4,298.0	3,531.7	39.6	56.7
108	12,112.6	5,339.2	3,742.8	8,729.8	3,831.3	4,303.0	4,631.2	7,364.0	7,874.8	6,417.8	41.0	50.7
109	4,910.1	11,765.2	4,512.3	3,259.4	10,500.3	2,675.6	7,864.9	3,757.2	6,379.2	4,511.6	39.5	50.6
110	4,343.5	5,069.5	3,578.3	4,260.6	3,575.4	7,707.7	4,684.9	4,536.6	8,189.0	10,025.7	38.7	46.8
111	2,322.5	3,505.4	2,937.5	3,430.3	4,680.1	6,127.0	5,082.5	4,446.2	4,053.3	7,464.8	41.2	45.0
112	8,189.4	3,840.2	7,017.3	2,662.8	10,776.8	4,410.0	4,717.1	4,166.0	3,671.8	6,487.9	38.6	45.4
113	3,101.0	3,488.9	3,535.6	4,440.8	2,675.1	3,578.0	8,065.9	3,703.9	7,457.7	9,657.5	40.7	49.0
114	8,017.0	3,530.3	12,289.7	7,181.4	5,602.2	4,038.8	4,156.3	4,525.6	3,403.0	4,288.5	42.1	47.8
115	2,856.8	4,550.7	12,300.7	10,440.9	4,535.2	3,750.9	4,471.8	4,025.5	4,347.5	3,771.6	40.4	46.0
116	9,858.2	3,790.4	4,094.5	3,482.6	4,114.0	4,343.6	4,203.9	3,198.0	7,939.9	4,968.8	48.1	46.2
117	4,984.1	12,327.4	3,691.9	7,738.7	10,649.9	3,170.8	4,383.7	6,145.6	6,690.5	6,507.8	40.6	50.0
118	7,707.7	3,273.5	3,055.1	4,465.9	10,346.1	4,410.0	9,907.9	2,523.2	8,189.1	4,378.7	45.5	47.6
119	12,701.4	10,173.9	4,985.6	3,429.1	2,850.0	4,033.0	4,817.7	8,807.2	3,330.4	6,246.7	43.7	47.4
120	3,719.6	5,745.1	4,351.1	3,291.4	3,797.5	3,514.3	3,999.8	12,822.5	1,905.0	5,802.0	43.0	49.0
121	3,348.1	6,329.5	6,014.4	6,571.0	3,979.5	3,908.0	4,665.7	5,209.3	7,419.5	3,584.4	40.6	47.7
122	13,194.9	4,257.9	10,001.6	3,003.1	6,645.5	3,434.3	9,169.6	5,054.6	6,392.9	4,452.8	45.2	50.0
123	4,917.3	12,867.6	3,306.4	3,392.4	8,391.6	8,275.7	4,207.8	5,802.0	4,279.7	7,667.8	41.6	46.8
124	3,379.7	2,975.8	7,432.2	4,162.0	4,513.6	6,343.3	4,732.9	4,507.7	14,251.9	4,306.5	37.2	49.3
125	1,918.3	6,374.8	4,378.6	5,926.3	10,327.8	3,376.0	5,026.5	3,597.3	9,817.9	7,407.9	39.1	49.8
126	4,556.9	5,064.6	3,518.6	3,615.6	4,753.5	3,827.8	4,610.9	2,072.6	3,634.1	4,204.6	41.5	50.2
127	3,967.9	6,541.9	5,197.7	6,844.3	7,770.5	3,311.5	6,124.1	9,720.6	11,035.4	4,399.5	45.0	50.9
128	7,360.1	4,134.3	9,337.4	8,105.1	4,492.2	3,314.4	8,535.4	3,582.7	14,410.7	5,122.6	36.7	49.6
Min	141.8	11.4	13.4	37.2	97.6	387.0	153.5	38.7	391.7	35.3	34.2	39.5
Avg	5,143.3	5,909.4	5,825.9	5,341.9	6,133.5	5,032.6	5,139.0	4,845.5	5,868.1	5,242.8	41.5	47.9
Max	13,434.3	13,109.8	13,264.4	13,240.3	13,764.4	11,713.9	10,185.0	12,822.5	14,410.7	12,585.0	67.1	56.7