



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

TPC-H Rev. 2.14.2
TPC-Pricing 1.6.0

Report Date:
September 26, 2011

Total System Cost

Composite Query per Hour Metric

Price / Performance

\$925,525 USD

201,487 QphH@1000GB

\$4.60/QphH@1000GB

Database Size

Database Manager

Operating System

Other Software

Availability Date

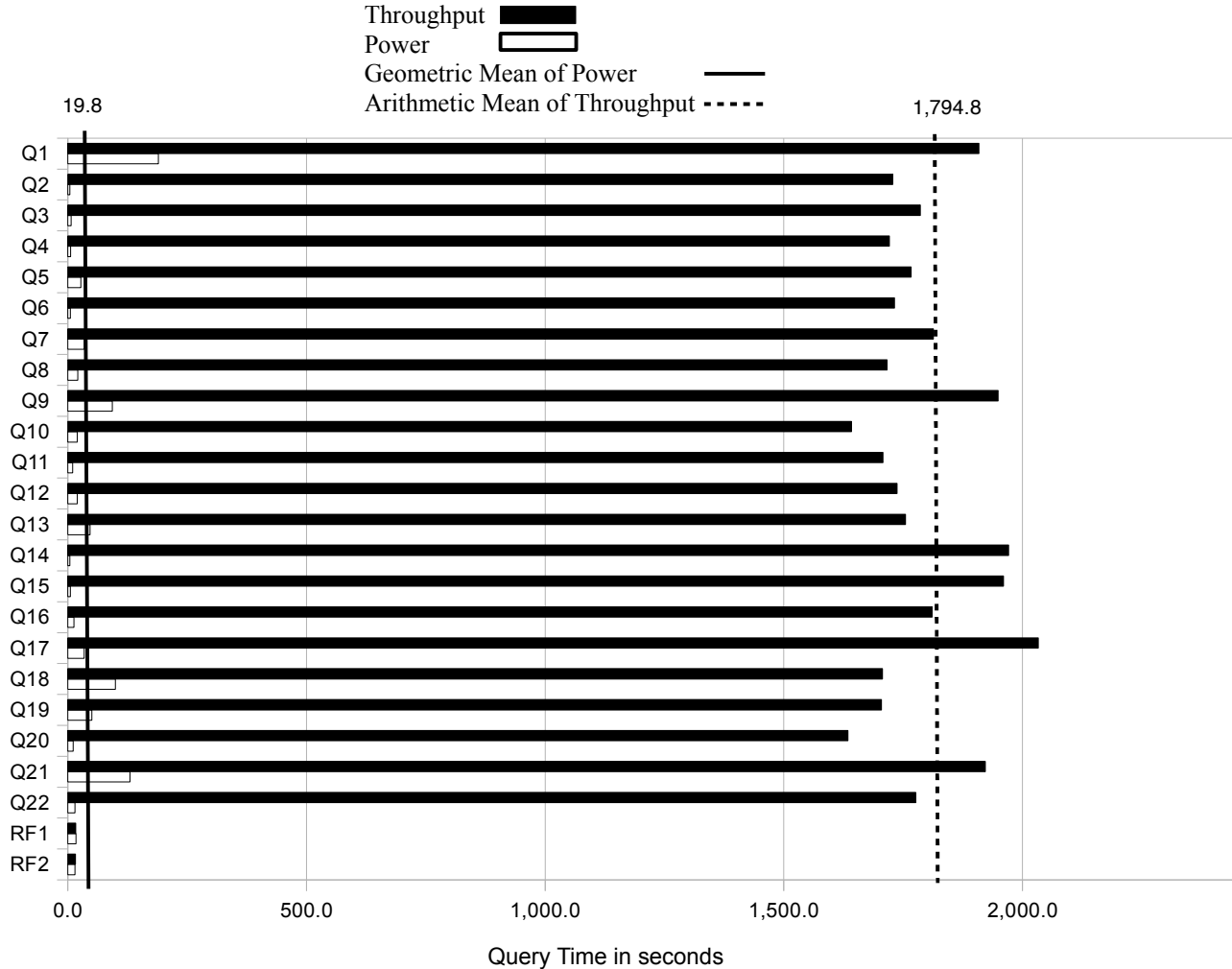
1000GB

Oracle Database 11g Release 2
Enterprise Edition with
Partitioning

Oracle Solaris 10
8/11

None

October 30, 2011



Database Load Time = 1:22:39
 Load Includes Backup: N
 Total Data Storage / Database Size = 10.8
 Memory to Database Size Percentage = 51.2

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
 512GB
 4 Sun Storage F5100 Flash Arrays w/ 80 24GB FMODs each
 8 300GB 10K SAS Internal
 10,080GB (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	
Power Jumper Cables, 2.5m x 1	SR-JUMP-1MC13	1	29	4	116	
300GB 10K RPM 2.5" SAS-2 HDD	SE6Y3G12Z	1	689	8	5,512	
2 x SPARC T4 3GHz	7100641	1	22000	2	44,000	
16GB (2 x 8GB) DDR3 Memory	7100653	1	1,360	32	43,520	
Sun Storage 6Gb SAS EM HBA: 6 port	SGX-SAS6-EM-Z	1	649	16	10,384	
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)	3701A-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	
X4170 CPU Heatsink, XATO	5879A-N	1	0	1	0	
17" TFT Monitor	X7204A-N	1	219	1	219	
Server Hardware Subtotal					127,403	0
Storage						
Sun Storage F5100 Flash Array (w/ 2 SAS cables)	TA-F5100-M2SA	1	19,995	4	79,980	
20 24GB SATA SLC flash modules	TA-24GBSTSF-20FM	1	33,750	16	540,000	
0.5M, mini, shielded, SAS cable	XTA-0.5M-SAS	1	95	8	760	
Sun Rack II 42U	XSR-1242E	1	2,849	1	2,849	
PDU 15kVA, Single Phase, LV	XSR-15K-L630-N	1	1,200	2	2,400	
Storage Subtotal					625,989	0
Server Software						
Oracle Solaris 10 8/11, Oracle Solaris Studio 12	SESY9SG1Z	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	90,460	3		271,224
Total					1,225,392	281,724
Total Oracle Software, Hardware and Maintenance Discount		1			(581,591)	
Notes (Source):					3 Yr. Cost	\$925,525
1. Oracle Corp.					QpH @1000GB	201,487
S. Substituted Component					\$/QpH @1000GB	\$4.60

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 38.59% 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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Numerical Quantities

Measurement Results:

Database Scale Factor	= 1000GB
Total Data Storage / Database Size	= 10.8
Start of database load time	= 07-28-2011 11:47:27
End of database load time	= 07-28-2011 13:10:06
Database Load Time	= 1:22:39
Query Streams for Throughput Test	= 128
TPC-H Power	= 181,760.6
TPC-H Throughput	= 223,354.2
TPC-H Composite Query-per-Hour Rating (QphH@1000GB)	= 201,487
Total System Price Over 3 Years	= \$925,525
TPC-H Price/Performance Metric (\$/QphH@1000GB)	= \$4.60

Measurement Intervals:

Measurement Interval in Throughput Test (Ts)	= 45,388 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
	0728131006	07/29/2011 02:01:57	07/29/2011 02:02:14	07/29/2011 02:16:19	00:14:37
		07/29/2011 02:02:14	07/29/2011 02:16:19	07/29/2011 02:16:34	

Throughput Stream	Seed	Query Start Query End	Duration	RF1 Start RF1 End	RF2 Start RF2 End
1	0728131007	07/29/2011 02:16:40	10:48:38	07/29/2011 13:43:27	07/29/2011 13:43:44
		07/29/2011 13:05:18		07/29/2011 13:43:44	07/29/2011 13:44:01
2	0728131008	07/29/2011 02:16:40	10:28:27	07/29/2011 13:44:01	07/29/2011 13:44:18
		07/29/2011 12:45:07		07/29/2011 13:44:18	07/29/2011 13:44:34
3	0728131009	07/29/2011 02:16:40	10:44:07	07/29/2011 13:44:34	07/29/2011 13:44:50
		07/29/2011 13:00:47		07/29/2011 13:44:50	07/29/2011 13:45:06
4	0728131010	07/29/2011 02:16:40	10:45:14	07/29/2011 13:45:06	07/29/2011 13:45:22
		07/29/2011 13:01:54		07/29/2011 13:45:22	07/29/2011 13:45:37
5	0728131011	07/29/2011 02:16:40	10:48:31	07/29/2011 13:45:37	07/29/2011 13:45:54
		07/29/2011 13:05:10		07/29/2011 13:45:54	07/29/2011 13:46:09
6	0728131012	07/29/2011 02:16:40	10:38:37	07/29/2011 13:46:09	07/29/2011 13:46:26
		07/29/2011 12:55:17		07/29/2011 13:46:26	07/29/2011 13:46:44
7	0728131013	07/29/2011 02:16:40	10:50:47	07/29/2011 13:46:44	07/29/2011 13:47:00
		07/29/2011 13:07:27		07/29/2011 13:47:00	07/29/2011 13:47:15
8	0728131014	07/29/2011 02:16:40	10:44:24	07/29/2011 13:47:15	07/29/2011 13:47:32
		07/29/2011 13:01:04		07/29/2011 13:47:32	07/29/2011 13:47:50
9	0728131015	07/29/2011 02:16:40	10:43:49	07/29/2011 13:47:50	07/29/2011 13:48:07
		07/29/2011 13:00:29		07/29/2011 13:48:07	07/29/2011 13:48:24
10	0728131016	07/29/2011 02:16:40	10:48:38	07/29/2011 13:48:24	07/29/2011 13:48:42
		07/29/2011 13:05:18		07/29/2011 13:48:42	07/29/2011 13:48:57
11	0728131017	07/29/2011 02:16:40	10:43:08	07/29/2011 13:48:57	07/29/2011 13:49:14

Throughput Stream	Seed	Query Start Query End	Duration	RF1 Start RF1 End	RF2 Start RF2 End
		07/29/2011 12:59:48		07/29/2011 13:49:14	07/29/2011 13:49:29
12	0728131018	07/29/2011 02:16:40	10:42:50	07/29/2011 13:49:29	07/29/2011 13:49:46
		07/29/2011 12:59:30		07/29/2011 13:49:46	07/29/2011 13:50:02
13	0728131019	07/29/2011 02:16:40	10:48:27	07/29/2011 13:50:02	07/29/2011 13:50:19
		07/29/2011 13:05:07		07/29/2011 13:50:19	07/29/2011 13:50:35
14	0728131020	07/29/2011 02:16:40	10:50:18	07/29/2011 13:50:35	07/29/2011 13:50:52
		07/29/2011 13:06:58		07/29/2011 13:50:52	07/29/2011 13:51:07
15	0728131021	07/29/2011 02:16:40	10:41:23	07/29/2011 13:51:07	07/29/2011 13:51:24
		07/29/2011 12:58:03		07/29/2011 13:51:24	07/29/2011 13:51:39
16	0728131022	07/29/2011 02:16:40	10:53:38	07/29/2011 13:51:39	07/29/2011 13:51:56
		07/29/2011 13:10:18		07/29/2011 13:51:56	07/29/2011 13:52:11
17	0728131023	07/29/2011 02:16:40	10:43:07	07/29/2011 13:52:11	07/29/2011 13:52:27
		07/29/2011 12:59:47		07/29/2011 13:52:27	07/29/2011 13:52:43
18	0728131024	07/29/2011 02:16:41	10:55:12	07/29/2011 13:52:43	07/29/2011 13:52:59
		07/29/2011 13:11:53		07/29/2011 13:52:59	07/29/2011 13:53:16
19	0728131025	07/29/2011 02:16:41	10:44:23	07/29/2011 13:53:16	07/29/2011 13:53:32
		07/29/2011 13:01:04		07/29/2011 13:53:32	07/29/2011 13:53:48
20	0728131026	07/29/2011 02:16:41	10:38:08	07/29/2011 13:53:48	07/29/2011 13:54:04
		07/29/2011 12:54:49		07/29/2011 13:54:04	07/29/2011 13:54:19
21	0728131027	07/29/2011 02:16:41	10:44:28	07/29/2011 13:54:19	07/29/2011 13:54:36
		07/29/2011 13:01:08		07/29/2011 13:54:36	07/29/2011 13:54:53
22	0728131028	07/29/2011 02:16:41	10:47:39	07/29/2011 13:54:53	07/29/2011 13:55:10
		07/29/2011 13:04:19		07/29/2011 13:55:10	07/29/2011 13:55:28
23	0728131029	07/29/2011 02:16:41	10:53:38	07/29/2011 13:55:28	07/29/2011 13:55:45
		07/29/2011 13:10:19		07/29/2011 13:55:45	07/29/2011 13:56:00
24	0728131030	07/29/2011 02:16:41	10:59:44	07/29/2011 13:56:00	07/29/2011 13:56:17
		07/29/2011 13:16:25		07/29/2011 13:56:17	07/29/2011 13:56:33
25	0728131031	07/29/2011 02:16:41	10:48:38	07/29/2011 13:56:33	07/29/2011 13:56:49
		07/29/2011 13:05:19		07/29/2011 13:56:49	07/29/2011 13:57:05
26	0728131032	07/29/2011 02:16:41	10:51:43	07/29/2011 13:57:05	07/29/2011 13:57:21
		07/29/2011 13:08:24		07/29/2011 13:57:21	07/29/2011 13:57:39
27	0728131033	07/29/2011 02:16:41	11:05:24	07/29/2011 13:57:39	07/29/2011 13:57:56
		07/29/2011 13:22:05		07/29/2011 13:57:56	07/29/2011 13:58:11
28	0728131034	07/29/2011 02:16:41	10:48:40	07/29/2011 13:58:11	07/29/2011 13:58:28
		07/29/2011 13:05:21		07/29/2011 13:58:28	07/29/2011 13:58:43
29	0728131035	07/29/2011 02:16:41	10:48:37	07/29/2011 13:58:43	07/29/2011 13:59:00
		07/29/2011 13:05:18		07/29/2011 13:59:00	07/29/2011 13:59:17
30	0728131036	07/29/2011 02:16:41	10:50:28	07/29/2011 13:59:17	07/29/2011 13:59:34
		07/29/2011 13:07:09		07/29/2011 13:59:34	07/29/2011 13:59:51
31	0728131037	07/29/2011 02:16:41	10:56:13	07/29/2011 13:59:51	07/29/2011 14:00:08
		07/29/2011 13:12:54		07/29/2011 14:00:08	07/29/2011 14:00:23
32	0728131038	07/29/2011 02:16:41	10:50:59	07/29/2011 14:00:23	07/29/2011 14:00:40
		07/29/2011 13:07:41		07/29/2011 14:00:40	07/29/2011 14:00:56
33	0728131039	07/29/2011 02:16:42	10:44:14	07/29/2011 14:00:56	07/29/2011 14:01:13
		07/29/2011 13:00:55		07/29/2011 14:01:13	07/29/2011 14:01:28
34	0728131040	07/29/2011 02:16:42	10:47:44	07/29/2011 14:01:28	07/29/2011 14:01:45
		07/29/2011 13:04:26		07/29/2011 14:01:45	07/29/2011 14:02:00
35	0728131041	07/29/2011 02:16:42	10:48:09	07/29/2011 14:02:00	07/29/2011 14:02:17
		07/29/2011 13:04:51		07/29/2011 14:02:17	07/29/2011 14:02:38
36	0728131042	07/29/2011 02:16:42	10:45:21	07/29/2011 14:02:38	07/29/2011 14:02:55
		07/29/2011 13:02:03		07/29/2011 14:02:55	07/29/2011 14:03:10

Throughput Stream	Seed	Query Start Query End	Duration	RF1 Start RF1 End	RF2 Start RF2 End
37	0728131043	07/29/2011 02:16:42	10:44:15	07/29/2011 14:03:10	07/29/2011 14:03:26
		07/29/2011 13:00:57		07/29/2011 14:03:26	07/29/2011 14:03:42
38	0728131044	07/29/2011 02:16:42	10:50:50	07/29/2011 14:03:42	07/29/2011 14:03:59
		07/29/2011 13:07:32		07/29/2011 14:03:59	07/29/2011 14:04:14
39	0728131045	07/29/2011 02:16:42	10:44:05	07/29/2011 14:04:14	07/29/2011 14:04:30
		07/29/2011 13:00:47		07/29/2011 14:04:30	07/29/2011 14:04:48
40	0728131046	07/29/2011 02:16:42	10:44:05	07/29/2011 14:04:48	07/29/2011 14:05:05
		07/29/2011 13:00:47		07/29/2011 14:05:05	07/29/2011 14:05:20
41	0728131047	07/29/2011 02:16:42	10:50:17	07/29/2011 14:05:20	07/29/2011 14:05:36
		07/29/2011 13:06:59		07/29/2011 14:05:36	07/29/2011 14:05:52
42	0728131048	07/29/2011 02:16:42	10:48:09	07/29/2011 14:05:52	07/29/2011 14:06:08
		07/29/2011 13:04:51		07/29/2011 14:06:08	07/29/2011 14:06:23
43	0728131049	07/29/2011 02:16:42	10:51:41	07/29/2011 14:06:23	07/29/2011 14:06:40
		07/29/2011 13:08:23		07/29/2011 14:06:40	07/29/2011 14:06:55
44	0728131050	07/29/2011 02:16:42	10:47:37	07/29/2011 14:06:55	07/29/2011 14:07:12
		07/29/2011 13:04:19		07/29/2011 14:07:12	07/29/2011 14:07:28
45	0728131051	07/29/2011 02:16:42	10:48:37	07/29/2011 14:07:28	07/29/2011 14:07:45
		07/29/2011 13:05:19		07/29/2011 14:07:45	07/29/2011 14:08:00
46	0728131052	07/29/2011 02:16:42	10:48:36	07/29/2011 14:08:00	07/29/2011 14:08:16
		07/29/2011 13:05:18		07/29/2011 14:08:16	07/29/2011 14:08:33
47	0728131053	07/29/2011 02:16:42	10:50:21	07/29/2011 14:08:33	07/29/2011 14:08:49
		07/29/2011 13:07:03		07/29/2011 14:08:49	07/29/2011 14:09:04
48	0728131054	07/29/2011 02:16:43	10:53:03	07/29/2011 14:09:04	07/29/2011 14:09:21
		07/29/2011 13:09:46		07/29/2011 14:09:21	07/29/2011 14:09:36
49	0728131055	07/29/2011 02:16:43	10:51:40	07/29/2011 14:09:36	07/29/2011 14:09:52
		07/29/2011 13:08:23		07/29/2011 14:09:52	07/29/2011 14:10:07
50	0728131056	07/29/2011 02:16:43	10:45:42	07/29/2011 14:10:08	07/29/2011 14:10:24
		07/29/2011 13:02:25		07/29/2011 14:10:24	07/29/2011 14:10:39
51	0728131057	07/29/2011 02:16:43	10:45:41	07/29/2011 14:10:39	07/29/2011 14:10:56
		07/29/2011 13:02:24		07/29/2011 14:10:56	07/29/2011 14:11:11
52	0728131058	07/29/2011 02:16:43	10:51:13	07/29/2011 14:11:11	07/29/2011 14:11:28
		07/29/2011 13:07:56		07/29/2011 14:11:28	07/29/2011 14:11:43
53	0728131059	07/29/2011 02:16:43	10:51:40	07/29/2011 14:11:43	07/29/2011 14:12:00
		07/29/2011 13:08:23		07/29/2011 14:12:00	07/29/2011 14:12:17
54	0728131060	07/29/2011 02:16:43	10:51:18	07/29/2011 14:12:17	07/29/2011 14:12:34
		07/29/2011 13:08:01		07/29/2011 14:12:34	07/29/2011 14:12:49
55	0728131061	07/29/2011 02:16:43	10:50:50	07/29/2011 14:12:49	07/29/2011 14:13:06
		07/29/2011 13:07:33		07/29/2011 14:13:06	07/29/2011 14:13:21
56	0728131062	07/29/2011 02:16:43	10:44:20	07/29/2011 14:13:21	07/29/2011 14:13:38
		07/29/2011 13:01:03		07/29/2011 14:13:38	07/29/2011 14:13:55
57	0728131063	07/29/2011 02:16:43	11:00:14	07/29/2011 14:13:55	07/29/2011 14:14:12
		07/29/2011 13:16:57		07/29/2011 14:14:12	07/29/2011 14:14:27
58	0728131064	07/29/2011 02:16:43	10:50:11	07/29/2011 14:14:27	07/29/2011 14:14:44
		07/29/2011 13:06:54		07/29/2011 14:14:44	07/29/2011 14:14:59
59	0728131065	07/29/2011 02:16:43	10:53:51	07/29/2011 14:14:59	07/29/2011 14:15:16
		07/29/2011 13:10:34		07/29/2011 14:15:16	07/29/2011 14:15:31
60	0728131066	07/29/2011 02:16:43	10:50:11	07/29/2011 14:15:31	07/29/2011 14:15:48
		07/29/2011 13:06:54		07/29/2011 14:15:48	07/29/2011 14:16:03
61	0728131067	07/29/2011 02:16:43	11:01:28	07/29/2011 14:16:03	07/29/2011 14:16:20
		07/29/2011 13:18:11		07/29/2011 14:16:20	07/29/2011 14:16:38
62	0728131068	07/29/2011 02:16:43	10:58:36	07/29/2011 14:16:38	07/29/2011 14:16:55

Throughput Stream	Seed	Query Start Query End	Duration	RF1 Start RF1 End	RF2 Start RF2 End
		07/29/2011 13:15:20		07/29/2011 14:16:54	07/29/2011 14:17:11
63	0728131069	07/29/2011 02:16:44	10:58:03	07/29/2011 14:17:11	07/29/2011 14:17:28
		07/29/2011 13:14:47		07/29/2011 14:17:28	07/29/2011 14:17:43
64	0728131070	07/29/2011 02:16:44	10:55:54	07/29/2011 14:17:43	07/29/2011 14:18:00
		07/29/2011 13:12:38		07/29/2011 14:18:00	07/29/2011 14:18:15
65	0728131071	07/29/2011 02:16:44	11:03:10	07/29/2011 14:18:15	07/29/2011 14:18:32
		07/29/2011 13:19:54		07/29/2011 14:18:32	07/29/2011 14:18:47
66	0728131072	07/29/2011 02:16:44	11:00:10	07/29/2011 14:18:47	07/29/2011 14:19:04
		07/29/2011 13:16:53		07/29/2011 14:19:04	07/29/2011 14:19:19
67	0728131073	07/29/2011 02:16:44	10:51:13	07/29/2011 14:19:19	07/29/2011 14:19:36
		07/29/2011 13:07:57		07/29/2011 14:19:36	07/29/2011 14:19:51
68	0728131074	07/29/2011 02:16:44	10:58:32	07/29/2011 14:19:51	07/29/2011 14:20:08
		07/29/2011 13:15:16		07/29/2011 14:20:08	07/29/2011 14:20:28
69	0728131075	07/29/2011 02:16:44	11:04:11	07/29/2011 14:20:28	07/29/2011 14:20:45
		07/29/2011 13:20:55		07/29/2011 14:20:45	07/29/2011 14:21:00
70	0728131076	07/29/2011 02:16:45	11:00:13	07/29/2011 14:21:00	07/29/2011 14:21:17
		07/29/2011 13:16:58		07/29/2011 14:21:17	07/29/2011 14:21:32
71	0728131077	07/29/2011 02:16:45	11:04:28	07/29/2011 14:21:32	07/29/2011 14:21:49
		07/29/2011 13:21:13		07/29/2011 14:21:49	07/29/2011 14:22:04
72	0728131078	07/29/2011 02:16:45	10:50:50	07/29/2011 14:22:04	07/29/2011 14:22:21
		07/29/2011 13:07:35		07/29/2011 14:22:21	07/29/2011 14:22:36
73	0728131079	07/29/2011 02:16:45	10:50:47	07/29/2011 14:22:36	07/29/2011 14:22:53
		07/29/2011 13:07:32		07/29/2011 14:22:53	07/29/2011 14:23:08
74	0728131080	07/29/2011 02:16:45	11:05:17	07/29/2011 14:23:08	07/29/2011 14:23:25
		07/29/2011 13:22:03		07/29/2011 14:23:25	07/29/2011 14:23:42
75	0728131081	07/29/2011 02:16:46	11:06:09	07/29/2011 14:23:42	07/29/2011 14:23:59
		07/29/2011 13:22:55		07/29/2011 14:23:59	07/29/2011 14:24:14
76	0728131082	07/29/2011 02:16:46	10:50:48	07/29/2011 14:24:14	07/29/2011 14:24:31
		07/29/2011 13:07:33		07/29/2011 14:24:31	07/29/2011 14:24:50
77	0728131083	07/29/2011 02:16:46	11:09:03	07/29/2011 14:24:50	07/29/2011 14:25:07
		07/29/2011 13:25:49		07/29/2011 14:25:07	07/29/2011 14:25:22
78	0728131084	07/29/2011 02:16:46	10:54:18	07/29/2011 14:25:23	07/29/2011 14:25:39
		07/29/2011 13:11:04		07/29/2011 14:25:39	07/29/2011 14:25:55
79	0728131085	07/29/2011 02:16:46	11:05:50	07/29/2011 14:25:55	07/29/2011 14:26:12
		07/29/2011 13:22:36		07/29/2011 14:26:12	07/29/2011 14:26:27
80	0728131086	07/29/2011 02:16:46	10:59:46	07/29/2011 14:26:27	07/29/2011 14:26:44
		07/29/2011 13:16:32		07/29/2011 14:26:44	07/29/2011 14:26:59
81	0728131087	07/29/2011 02:16:46	11:02:18	07/29/2011 14:26:59	07/29/2011 14:27:16
		07/29/2011 13:19:05		07/29/2011 14:27:15	07/29/2011 14:27:31
82	0728131088	07/29/2011 02:16:46	10:59:56	07/29/2011 14:27:31	07/29/2011 14:27:48
		07/29/2011 13:16:42		07/29/2011 14:27:48	07/29/2011 14:28:03
83	0728131089	07/29/2011 02:16:46	11:06:54	07/29/2011 14:28:03	07/29/2011 14:28:19
		07/29/2011 13:23:41		07/29/2011 14:28:19	07/29/2011 14:28:35
84	0728131090	07/29/2011 02:16:46	11:05:16	07/29/2011 14:28:35	07/29/2011 14:28:51
		07/29/2011 13:22:03		07/29/2011 14:28:51	07/29/2011 14:29:09
85	0728131091	07/29/2011 02:16:47	11:15:17	07/29/2011 14:29:09	07/29/2011 14:29:25
		07/29/2011 13:32:03		07/29/2011 14:29:25	07/29/2011 14:29:40
86	0728131092	07/29/2011 02:16:47	10:54:07	07/29/2011 14:29:40	07/29/2011 14:29:57
		07/29/2011 13:10:54		07/29/2011 14:29:57	07/29/2011 14:30:13
87	0728131093	07/29/2011 02:16:47	10:58:55	07/29/2011 14:30:13	07/29/2011 14:30:30
		07/29/2011 13:15:42		07/29/2011 14:30:30	07/29/2011 14:30:45

Throughput Stream	Seed	Query Start Query End	Duration	RF1 Start RF1 End	RF2 Start RF2 End
88	0728131094	07/29/2011 02:16:47	11:15:08	07/29/2011 14:30:46	07/29/2011 14:31:02
		07/29/2011 13:31:55		07/29/2011 14:31:02	07/29/2011 14:31:19
89	0728131095	07/29/2011 02:16:47	10:58:27	07/29/2011 14:31:19	07/29/2011 14:31:36
		07/29/2011 13:15:14		07/29/2011 14:31:36	07/29/2011 14:31:56
90	0728131096	07/29/2011 02:16:47	11:01:49	07/29/2011 14:31:56	07/29/2011 14:32:13
		07/29/2011 13:18:36		07/29/2011 14:32:13	07/29/2011 14:32:28
91	0728131097	07/29/2011 02:16:47	10:59:04	07/29/2011 14:32:28	07/29/2011 14:32:45
		07/29/2011 13:15:51		07/29/2011 14:32:45	07/29/2011 14:33:00
92	0728131098	07/29/2011 02:16:47	11:19:12	07/29/2011 14:33:00	07/29/2011 14:33:17
		07/29/2011 13:35:59		07/29/2011 14:33:17	07/29/2011 14:33:32
93	0728131099	07/29/2011 02:16:47	10:59:06	07/29/2011 14:33:32	07/29/2011 14:33:49
		07/29/2011 13:15:54		07/29/2011 14:33:49	07/29/2011 14:34:05
94	0728131100	07/29/2011 02:16:47	11:06:06	07/29/2011 14:34:05	07/29/2011 14:34:22
		07/29/2011 13:22:53		07/29/2011 14:34:22	07/29/2011 14:34:39
95	0728131101	07/29/2011 02:16:48	10:54:02	07/29/2011 14:34:39	07/29/2011 14:34:55
		07/29/2011 13:10:50		07/29/2011 14:34:55	07/29/2011 14:35:13
96	0728131102	07/29/2011 02:16:48	11:15:06	07/29/2011 14:35:13	07/29/2011 14:35:30
		07/29/2011 13:31:53		07/29/2011 14:35:30	07/29/2011 14:35:49
97	0728131103	07/29/2011 02:16:48	11:06:35	07/29/2011 14:35:49	07/29/2011 14:36:06
		07/29/2011 13:23:23		07/29/2011 14:36:06	07/29/2011 14:36:24
98	0728131104	07/29/2011 02:16:48	11:26:39	07/29/2011 14:36:24	07/29/2011 14:36:40
		07/29/2011 13:43:27		07/29/2011 14:36:40	07/29/2011 14:36:55
99	0728131105	07/29/2011 02:16:48	11:19:12	07/29/2011 14:36:56	07/29/2011 14:37:12
		07/29/2011 13:36:00		07/29/2011 14:37:12	07/29/2011 14:37:28
100	0728131106	07/29/2011 02:16:48	11:13:31	07/29/2011 14:37:28	07/29/2011 14:37:44
		07/29/2011 13:30:19		07/29/2011 14:37:44	07/29/2011 14:38:02
101	0728131107	07/29/2011 02:16:48	11:16:23	07/29/2011 14:38:02	07/29/2011 14:38:19
		07/29/2011 13:33:11		07/29/2011 14:38:19	07/29/2011 14:38:34
102	0728131108	07/29/2011 02:16:49	11:08:19	07/29/2011 14:38:34	07/29/2011 14:38:50
		07/29/2011 13:25:08		07/29/2011 14:38:50	07/29/2011 14:39:05
103	0728131109	07/29/2011 02:16:49	11:07:14	07/29/2011 14:39:05	07/29/2011 14:39:22
		07/29/2011 13:24:03		07/29/2011 14:39:22	07/29/2011 14:39:37
104	0728131110	07/29/2011 02:16:49	11:16:40	07/29/2011 14:39:37	07/29/2011 14:39:54
		07/29/2011 13:33:30		07/29/2011 14:39:54	07/29/2011 14:40:09
105	0728131111	07/29/2011 02:16:50	11:14:57	07/29/2011 14:40:09	07/29/2011 14:40:25
		07/29/2011 13:31:46		07/29/2011 14:40:25	07/29/2011 14:40:41
106	0728131112	07/29/2011 02:16:51	11:19:49	07/29/2011 14:40:41	07/29/2011 14:40:57
		07/29/2011 13:36:40		07/29/2011 14:40:57	07/29/2011 14:41:12
107	0728131113	07/29/2011 02:16:51	11:24:25	07/29/2011 14:41:12	07/29/2011 14:41:29
		07/29/2011 13:41:16		07/29/2011 14:41:29	07/29/2011 14:41:45
108	0728131114	07/29/2011 02:16:52	11:09:36	07/29/2011 14:41:45	07/29/2011 14:42:01
		07/29/2011 13:26:28		07/29/2011 14:42:01	07/29/2011 14:42:19
109	0728131115	07/29/2011 02:16:52	10:59:01	07/29/2011 14:42:19	07/29/2011 14:42:35
		07/29/2011 13:15:54		07/29/2011 14:42:35	07/29/2011 14:42:51
110	0728131116	07/29/2011 02:16:52	11:05:29	07/29/2011 14:42:51	07/29/2011 14:43:07
		07/29/2011 13:22:22		07/29/2011 14:43:07	07/29/2011 14:43:23
111	0728131117	07/29/2011 02:16:53	11:08:35	07/29/2011 14:43:23	07/29/2011 14:43:40
		07/29/2011 13:25:28		07/29/2011 14:43:40	07/29/2011 14:43:55
112	0728131118	07/29/2011 02:16:54	11:08:19	07/29/2011 14:43:55	07/29/2011 14:44:12
		07/29/2011 13:25:13		07/29/2011 14:44:12	07/29/2011 14:44:27
113	0728131119	07/29/2011 02:16:55	11:04:19	07/29/2011 14:44:27	07/29/2011 14:44:44

Throughput Stream	Seed	Query Start Query End	Duration	RF1 Start RF1 End	RF2 Start RF2 End
		07/29/2011 13:21:14		07/29/2011 14:44:44	07/29/2011 14:44:58
114	0728131120	07/29/2011 02:16:55	11:06:05	07/29/2011 14:44:59	07/29/2011 14:45:15
		07/29/2011 13:23:00		07/29/2011 14:45:15	07/29/2011 14:45:30
115	0728131121	07/29/2011 02:16:55	11:25:13	07/29/2011 14:45:30	07/29/2011 14:45:47
		07/29/2011 13:42:08		07/29/2011 14:45:47	07/29/2011 14:46:02
116	0728131122	07/29/2011 02:16:55	11:15:38	07/29/2011 14:46:02	07/29/2011 14:46:19
		07/29/2011 13:32:33		07/29/2011 14:46:18	07/29/2011 14:46:34
117	0728131123	07/29/2011 02:16:55	11:00:34	07/29/2011 14:46:34	07/29/2011 14:46:51
		07/29/2011 13:17:29		07/29/2011 14:46:51	07/29/2011 14:47:06
118	0728131124	07/29/2011 02:16:56	11:19:13	07/29/2011 14:47:06	07/29/2011 14:47:23
		07/29/2011 13:36:09		07/29/2011 14:47:23	07/29/2011 14:47:39
119	0728131125	07/29/2011 02:16:57	11:05:42	07/29/2011 14:47:39	07/29/2011 14:47:56
		07/29/2011 13:22:40		07/29/2011 14:47:56	07/29/2011 14:48:11
120	0728131126	07/29/2011 02:16:58	11:23:34	07/29/2011 14:48:11	07/29/2011 14:48:27
		07/29/2011 13:40:31		07/29/2011 14:48:27	07/29/2011 14:48:44
121	0728131127	07/29/2011 02:16:59	11:05:08	07/29/2011 14:48:44	07/29/2011 14:49:00
		07/29/2011 13:22:07		07/29/2011 14:49:00	07/29/2011 14:49:15
122	0728131128	07/29/2011 02:16:59	11:10:32	07/29/2011 14:49:15	07/29/2011 14:49:32
		07/29/2011 13:27:32		07/29/2011 14:49:32	07/29/2011 14:49:47
123	0728131129	07/29/2011 02:17:00	11:06:57	07/29/2011 14:49:47	07/29/2011 14:50:04
		07/29/2011 13:23:57		07/29/2011 14:50:04	07/29/2011 14:50:19
124	0728131130	07/29/2011 02:17:01	11:08:28	07/29/2011 14:50:19	07/29/2011 14:50:35
		07/29/2011 13:25:29		07/29/2011 14:50:35	07/29/2011 14:50:50
125	0728131131	07/29/2011 02:17:02	11:20:31	07/29/2011 14:50:50	07/29/2011 14:51:07
		07/29/2011 13:37:33		07/29/2011 14:51:07	07/29/2011 14:51:26
126	0728131132	07/29/2011 02:17:03	11:15:53	07/29/2011 14:51:26	07/29/2011 14:51:43
		07/29/2011 13:32:55		07/29/2011 14:51:43	07/29/2011 14:52:02
127	0728131133	07/29/2011 02:17:04	11:07:17	07/29/2011 14:52:02	07/29/2011 14:52:19
		07/29/2011 13:24:21		07/29/2011 14:52:19	07/29/2011 14:52:36
128	0728131134	07/29/2011 02:17:05	11:12:39	07/29/2011 14:52:36	07/29/2011 14:52:52
		07/29/2011 13:29:44		07/29/2011 14:52:52	07/29/2011 14:53:07

TPC-H Timing Intervals (in seconds):

Stream ID	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12
0	189.5	4.4	6.8	5.7	27.1	5.1	34.3	20.7	93.4	19.8	10.1	19.7
1	1,475.0	1,228.2	4,069.5	1,245.3	1,991.5	2,641.7	1,629.5	1,184.6	1,534.9	930.7	1,865.7	1,936.2
2	980.4	2,391.4	1,329.8	1,391.3	1,805.9	5.9	1,954.6	1,590.5	2,387.6	1,957.0	1,173.4	1,687.9
3	2,686.6	1,066.2	1,302.9	2,872.6	4,337.6	1,905.4	1,707.2	113.4	2,046.2	1,255.9	1,174.7	1,373.9
4	1,241.6	1,070.4	1,330.7	976.9	60.0	2,746.3	1,430.8	2,084.6	2,071.9	1,270.2	2,161.1	2,458.4
5	922.1	1,195.4	2,400.2	2,801.7	1,177.3	1,988.7	1,921.8	1,284.8	1,516.0	1,370.3	2,202.7	1,313.9
6	1,329.5	1,151.0	4,294.4	1,139.8	1,162.7	1,878.9	2,649.2	1,703.3	2,816.3	171.9	1,872.2	2,340.2
7	1,350.3	1,660.8	1,974.4	2,014.2	1,213.5	1,297.6	980.4	4,069.6	2,235.1	1,391.3	1,813.6	1,368.3
8	4,561.2	1,315.4	1,592.9	1,937.6	1,958.1	1,233.6	1,794.3	1,749.6	2,673.9	1,335.8	1,283.9	2,610.7
9	1,063.5	2,829.0	1,625.5	1,134.8	1,307.6	2,635.0	1,324.7	469.7	1,517.4	1,343.9	1,826.7	1,340.3
10	2,103.6	2,716.2	1,274.8	1,021.4	1,260.3	423.6	2,467.4	1,576.8	1,143.3	1,424.9	1,385.4	1,926.1
11	954.8	1,196.7	1,200.8	2,007.5	2,352.9	1,231.7	1,382.2	1,871.7	1,283.8	1,819.3	2,878.8	1,144.2
12	943.3	2,165.6	1,227.1	1,593.0	1,067.7	2,812.3	4,035.8	1,023.0	2,109.3	1,149.1	1,995.7	2,442.4
13	2,392.1	2,229.1	2,072.4	1,034.2	1,206.4	1,896.5	2,710.3	1,384.5	1,453.7	1,658.5	1,439.7	2,699.6
14	1,668.7	561.0	1,180.7	2,077.0	2,613.3	1,200.1	2,155.3	1,158.3	4,279.8	1,324.4	1,244.3	1,502.6
15	1,162.0	1,252.4	1,301.0	1,442.5	1,144.2	969.3	2,106.0	2,122.3	4,279.8	2,421.5	2,050.5	2,760.5

Stream ID	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12
16	1,157.4	1,778.1	3,854.5	1,986.1	2,198.1	2,487.9	1,626.3	1,170.9	1,708.3	2,249.2	1,041.1	1,439.1
17	1,279.0	2,328.8	818.8	1,209.0	2,578.3	1,305.9	1,345.3	2,338.2	1,987.9	995.7	2,117.5	1,352.2
18	2,275.0	2,076.0	977.2	4,041.9	2,023.4	2,773.4	1,266.7	2,427.2	1,384.9	1,212.2	1,787.9	1,405.8
19	1,260.7	2,808.7	1,168.8	831.4	1,657.2	1,122.7	1,051.9	1,011.1	1,544.5	1,806.3	1,264.2	4,149.1
20	1,808.1	1,228.5	1,035.3	1,800.0	2,310.6	1,181.8	1,044.5	1,391.0	1,370.8	1,139.2	1,382.9	2,007.5
21	1,767.6	1,265.3	1,329.3	2,519.7	1,073.7	1,081.8	1,164.9	1,336.8	1,573.8	1,806.4	2,149.2	2,055.1
22	1,203.5	1,962.2	1,209.0	2,601.6	1,041.4	1,278.7	1,320.7	1,191.1	1,688.2	1,603.9	2,657.6	1,391.9
23	1,939.7	1,656.9	1,593.6	1,137.0	1,255.1	2,116.7	1,252.5	2,470.8	2,848.3	1,016.6	2,725.6	2,012.3
24	1,559.9	1,220.2	3,970.8	1,828.3	1,383.1	2,627.6	1,026.0	1,394.2	2,106.1	2,487.8	1,524.2	1,313.8
25	4,542.5	2,501.1	1,179.9	1,297.8	1,811.7	1,370.3	1,771.7	1,264.8	1,524.6	1,619.4	1,589.1	1,187.5
26	1,738.3	3,841.5	1,143.9	2,030.7	2,182.8	1,195.3	945.6	1,253.8	1,557.0	1,826.7	1,679.9	1,220.8
27	1,750.2	2,029.2	1,059.7	2,509.1	1,298.7	2,450.3	1,563.4	1,941.3	1,919.4	1,530.3	1,092.7	1,190.4
28	2,432.9	973.6	1,139.2	1,297.9	1,252.6	1,294.0	1,285.0	1,248.4	1,618.5	1,189.2	1,288.6	2,211.3
29	2,917.3	1,113.1	1,029.8	1,245.3	2,526.7	1,887.4	1,428.1	3,930.2	2,536.6	1,202.9	1,748.2	1,774.1
30	2,265.5	1,131.0	2,042.9	1,552.2	1,824.1	1,149.1	1,568.0	1,410.1	1,168.7	1,673.2	1,339.9	1,134.7
31	2,603.1	1,162.1	1,783.1	2,042.1	1,750.3	1,058.0	1,677.1	1,214.4	4,102.4	1,434.2	2,505.6	1,235.7
32	1,071.2	1,137.2	1,772.3	1,841.7	1,592.5	2,144.3	1,937.6	2,629.0	1,534.7	1,185.8	1,044.6	4,081.8
33	1,270.9	2,426.3	1,510.0	1,938.5	2,440.8	1,149.1	1,814.4	1,197.2	930.7	2,306.3	2,207.4	1,293.2
34	1,729.2	1,271.7	1,797.7	2,048.3	1,053.1	2,545.5	2,277.5	1,223.5	1,476.8	1,165.9	2,583.1	1,356.8
35	949.3	2,163.3	1,251.5	1,270.5	2,397.0	1,359.8	1,202.8	1,940.7	1,037.8	2,810.7	1,258.9	2,384.7
36	1,572.3	1,213.3	1,945.4	1,753.0	2,017.4	2,167.8	2,586.5	1,330.2	1,426.4	1,178.2	978.1	1,329.7
37	1,178.2	1,175.9	1,270.1	1,071.0	2,466.8	2,499.1	2,277.5	2,120.2	2,646.6	1,476.6	1,671.8	1,404.2
38	2,125.1	2,235.5	1,567.6	2,621.2	3,994.0	2,212.6	2,009.9	1,286.4	1,131.9	1,333.4	2,046.1	1,171.1
39	930.7	1,339.1	1,335.0	2,143.0	1,872.2	1,773.0	4,009.4	1,265.2	1,177.3	1,849.9	1,270.1	1,286.1
40	1,783.4	1,157.1	2,452.8	2,718.7	1,331.3	1,179.1	950.2	1,071.2	2,277.5	1,209.6	1,637.2	1,357.5
41	1,312.1	3,968.6	1,981.0	1,025.6	1,155.4	2,043.4	1,403.1	2,497.8	2,769.1	1,244.6	1,223.9	1,325.8
42	1,498.0	1,152.2	3,777.2	1,258.8	1,769.9	2,613.6	1,679.9	1,226.5	1,384.1	1,040.9	2,042.8	1,847.6
43	1,301.4	2,281.4	1,164.4	1,242.1	1,865.0	1,499.0	1,160.4	1,852.0	2,372.3	2,191.3	1,577.4	2,241.2
44	2,613.4	1,162.3	1,266.9	2,561.8	3,739.9	1,840.3	1,708.6	1,624.9	2,059.2	1,537.5	978.1	1,515.7
45	1,407.8	1,117.7	1,487.5	1,255.7	1,566.5	2,296.0	1,365.5	1,924.4	1,952.4	1,226.0	2,204.9	2,332.7
46	1,038.0	1,270.6	2,164.8	2,529.2	1,116.1	1,781.1	2,124.6	1,303.4	1,260.4	1,503.4	2,036.9	1,432.0
47	1,041.0	1,347.5	3,735.9	1,224.9	1,206.4	2,046.7	2,357.0	2,049.1	2,447.7	1,786.4	1,748.8	2,261.2
48	1,500.5	1,916.8	2,027.9	2,105.2	1,177.3	1,373.6	1,140.7	3,495.5	1,655.8	1,384.5	1,831.5	1,266.1
49	4,117.7	1,333.4	1,917.7	1,565.5	1,980.5	1,195.2	1,862.5	2,163.6	2,517.9	1,429.2	1,160.8	2,239.7
50	1,158.3	2,543.7	2,049.4	1,023.0	1,394.5	2,205.2	1,312.1	1,865.7	1,362.7	1,475.1	1,816.6	1,312.1
51	2,011.1	2,464.2	1,148.5	1,062.4	1,272.7	1,882.4	2,241.6	1,395.3	1,067.8	1,620.3	1,398.7	2,040.5
52	1,553.5	1,286.4	1,239.2	1,859.9	2,103.7	1,150.5	1,135.8	1,684.7	980.2	2,083.6	2,284.1	1,236.6
53	2,482.2	2,147.1	1,095.8	1,527.7	1,114.0	2,210.7	3,556.6	1,400.6	1,813.1	1,205.6	1,916.4	2,387.4
54	2,040.1	2,121.3	1,793.2	1,047.3	1,250.6	1,840.4	2,436.8	1,436.4	1,579.0	2,067.7	1,541.3	2,332.3
55	2,155.8	2,114.5	1,193.2	1,791.1	2,309.2	1,133.3	2,047.4	1,047.4	3,692.6	1,317.9	1,217.7	1,592.4
56	1,305.9	1,209.7	1,620.3	1,375.0	1,040.9	1,224.8	1,941.5	1,763.7	3,706.8	2,191.5	2,130.1	2,496.8
57	2,710.5	1,892.9	3,474.2	1,632.1	1,649.3	2,325.4	1,339.2	1,190.6	1,899.2	1,819.5	1,166.6	1,512.4
58	1,407.8	2,198.9	2,304.1	1,205.7	2,261.7	1,405.3	1,555.2	2,231.0	2,009.8	1,259.4	1,808.9	1,321.4
59	2,126.0	1,766.9	1,560.9	3,524.9	1,790.5	2,191.2	1,154.0	2,350.8	1,070.3	1,217.1	2,086.1	1,500.4
60	1,307.3	2,459.2	1,227.6	2,316.5	2,030.3	1,133.6	1,117.4	1,267.6	1,490.8	1,749.8	1,337.5	3,628.0
61	2,135.4	1,193.7	1,113.0	2,031.0	1,713.9	1,339.0	1,371.2	1,585.5	1,650.7	1,153.8	1,436.5	1,744.6
62	2,105.3	1,458.8	1,500.1	2,317.8	1,231.0	1,039.2	1,132.0	1,515.3	1,495.0	1,809.3	1,678.7	1,871.0
63	1,718.2	1,738.4	1,087.0	2,399.9	1,219.5	1,446.5	1,116.8	1,155.8	1,503.0	2,200.2	2,210.0	1,747.4
64	1,562.9	2,143.5	1,646.7	1,138.5	1,221.4	2,133.1	1,338.5	2,362.7	2,533.5	980.4	2,246.2	2,045.0
65	1,128.4	1,197.6	3,465.6	1,673.9	1,394.6	2,272.1	2,478.1	1,638.4	1,802.0	2,277.7	1,303.8	1,262.9
66	4,032.0	1,945.1	1,114.2	1,477.1	1,801.4	1,335.8	1,959.9	1,246.5	1,507.8	2,323.9	1,951.3	1,239.3

Stream ID	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12
67	1,381.2	3,485.2	1,169.6	1,963.7	1,726.6	1,223.9	1,224.9	1,246.8	1,598.2	1,725.4	1,959.2	1,190.6
68	1,199.8	1,867.2	1,146.6	2,120.5	1,565.4	2,231.8	1,614.3	1,821.5	2,307.1	1,325.7	1,293.4	1,280.4
69	2,223.4	1,591.6	1,166.6	1,177.3	1,468.4	1,401.6	1,897.0	1,260.5	1,295.2	2,527.6	1,726.7	1,861.5
70	2,803.5	1,233.9	1,268.2	1,512.2	1,601.4	2,230.5	1,340.8	3,533.9	2,505.8	2,589.1	1,859.1	1,972.9
71	2,137.8	1,744.6	2,007.2	1,259.3	1,613.7	1,175.3	2,671.2	1,388.3	1,607.7	2,150.1	1,429.2	1,292.8
72	2,209.1	2,601.1	1,747.2	1,965.2	1,707.7	1,171.0	2,184.3	1,147.0	3,479.6	1,384.9	2,417.2	1,147.2
73	1,028.3	1,153.9	1,672.1	1,672.7	1,539.1	2,121.3	1,802.8	2,305.1	1,269.7	1,205.7	1,119.1	3,480.1
74	1,731.2	2,283.6	1,559.0	1,816.3	2,350.5	1,186.6	2,082.6	1,279.0	1,452.4	2,150.0	1,727.0	1,163.9
75	3,207.3	1,746.8	1,973.2	1,883.9	1,158.8	2,380.4	1,763.6	1,044.4	1,974.4	1,165.9	2,323.3	1,501.8
76	1,521.1	1,795.6	1,410.6	1,213.5	2,197.5	1,294.0	1,270.6	1,897.1	1,199.3	2,125.7	1,155.4	2,198.3
77	2,453.3	1,244.2	1,852.9	1,951.9	1,943.5	1,442.1	2,305.5	1,533.7	2,941.7	1,102.9	1,641.2	1,395.9
78	1,100.2	1,025.2	1,460.9	1,158.8	2,319.4	1,952.4	1,764.1	1,646.8	2,410.3	1,925.0	2,278.4	1,537.7
79	2,647.5	1,663.8	2,034.7	2,285.0	3,405.1	2,373.5	1,523.9	1,823.0	1,730.1	1,237.8	2,026.2	1,334.0
80	1,158.8	1,501.6	2,816.2	1,859.2	2,133.5	2,022.2	3,454.8	1,459.8	1,128.5	1,632.0	1,550.7	1,058.0
81	2,230.6	1,169.6	2,568.2	1,570.8	1,473.0	1,099.4	1,936.8	1,232.8	1,652.6	1,504.4	2,413.9	1,134.7
82	1,471.8	3,430.2	1,538.7	1,231.5	1,052.7	1,936.8	1,500.1	2,271.4	2,284.2	1,083.0	1,165.0	1,541.7
83	1,356.8	1,099.0	3,127.7	1,732.2	1,670.0	2,298.0	2,082.8	1,226.5	1,446.9	1,237.9	2,010.1	1,937.8
84	1,462.4	1,658.3	1,068.5	1,100.2	1,510.5	2,858.9	1,245.1	1,741.4	2,589.6	2,339.7	1,520.4	1,705.8
85	2,852.5	1,152.0	2,094.1	2,243.8	3,165.2	1,858.2	2,349.4	3,217.6	1,791.2	2,338.5	1,162.7	1,440.2
86	1,440.9	1,159.4	1,569.6	1,566.1	3,005.0	2,119.3	1,376.5	1,666.9	1,888.4	1,227.3	1,784.2	2,372.0
87	1,158.8	1,213.1	1,764.1	2,248.1	1,099.6	1,955.2	1,911.8	1,443.7	1,524.0	1,513.5	1,523.0	1,496.3
88	1,213.9	1,454.6	3,104.9	1,768.1	1,096.7	1,848.4	2,020.6	2,175.5	2,601.7	3,205.5	1,740.9	1,711.4
89	1,828.3	1,630.4	1,587.1	2,420.3	1,010.7	1,492.8	1,233.7	2,884.3	1,465.5	1,370.5	1,646.8	1,453.3
90	3,510.2	1,417.4	2,256.6	1,413.5	1,607.4	1,055.7	1,817.9	2,448.9	2,781.1	1,367.4	1,602.5	1,627.6
91	1,232.1	2,255.3	2,461.3	1,244.0	1,473.3	2,574.2	1,342.5	3,297.6	1,477.8	2,215.0	1,605.1	1,102.9
92	2,326.5	1,860.3	1,092.3	1,336.7	2,109.6	3,313.6	2,359.6	1,414.5	1,438.1	1,917.7	1,309.6	1,916.0
93	1,491.8	1,141.8	1,234.2	1,616.3	2,035.7	1,139.4	1,491.7	1,883.9	1,078.1	1,781.8	2,163.6	1,257.9
94	3,967.8	1,292.9	1,178.2	2,271.5	1,273.0	1,514.1	2,919.4	1,917.5	1,858.8	1,186.6	1,573.3	2,623.7
95	1,863.7	1,808.1	1,918.7	1,158.2	1,177.3	1,534.2	2,176.5	1,343.4	1,561.2	2,318.9	1,917.7	2,367.6
96	2,636.6	3,559.2	1,437.0	1,949.8	1,986.7	2,078.5	1,583.9	1,240.8	3,122.5	1,251.9	1,357.2	1,240.5
97	1,468.7	1,168.7	2,015.8	1,407.0	1,173.5	1,868.7	1,554.5	1,889.3	3,091.4	2,369.6	2,330.6	1,963.2
98	4,083.7	1,669.1	3,030.1	1,329.4	1,926.6	2,069.6	1,267.2	1,381.6	2,770.4	1,017.0	1,246.2	1,307.7
99	1,149.1	2,428.3	3,677.3	1,221.5	2,102.5	1,364.3	2,513.4	1,207.9	2,870.5	1,871.3	2,070.8	2,157.1
100	1,652.6	1,517.1	1,616.4	3,023.0	2,012.1	1,603.3	1,350.9	2,618.7	1,144.7	1,055.9	2,361.2	1,495.6
101	2,307.2	1,567.6	1,077.3	3,690.7	1,681.9	1,198.1	1,279.8	1,876.3	2,008.7	1,630.4	1,549.9	3,102.6
102	2,317.4	1,347.7	1,310.6	1,694.0	892.9	1,230.2	1,947.8	1,790.7	1,240.0	1,226.1	1,234.4	1,433.1
103	2,638.3	1,735.9	1,385.8	2,518.8	1,209.3	1,196.0	1,242.7	1,377.2	1,224.0	1,528.2	1,597.8	2,003.6
104	2,133.1	2,012.6	1,228.5	1,564.9	1,191.4	1,249.4	1,182.2	1,316.2	1,234.7	2,422.8	2,595.1	2,300.8
105	2,645.0	2,477.2	1,176.4	1,298.6	1,009.0	1,172.6	2,135.8	2,576.0	2,335.4	1,172.4	1,556.4	1,749.8
106	1,677.9	1,079.9	2,926.4	1,878.1	1,209.0	1,855.5	3,863.9	2,057.3	1,772.9	2,080.9	1,282.9	1,209.6
107	3,507.9	1,211.4	1,393.1	1,043.5	2,181.6	1,320.8	1,915.0	1,178.1	2,062.0	2,661.2	2,424.5	1,612.6
108	1,342.5	2,902.2	1,196.1	1,519.9	1,975.1	1,075.7	1,768.4	1,187.4	2,150.1	1,740.5	1,641.2	1,327.9
109	1,116.8	1,605.7	1,192.6	1,533.4	1,813.7	2,397.0	2,033.6	1,894.7	2,647.8	1,436.4	1,126.8	1,149.2
110	1,947.0	1,893.9	1,227.5	1,063.1	1,376.0	1,429.5	2,169.4	1,209.0	1,253.8	3,999.4	1,804.2	2,123.0
111	3,033.5	1,331.2	1,231.1	1,811.2	1,288.2	2,469.7	1,156.8	2,901.7	2,200.0	4,048.7	2,011.1	1,692.6
112	2,080.9	1,796.3	1,604.7	1,152.4	1,807.4	1,334.9	4,076.2	1,262.0	1,889.8	2,402.1	1,236.1	1,347.8
113	2,518.6	4,051.5	1,817.9	1,613.7	1,604.2	1,158.3	2,499.9	1,298.5	3,144.4	1,361.2	1,599.3	1,231.9
114	1,227.5	1,696.9	1,549.8	1,843.3	2,164.6	1,425.9	1,635.4	2,076.3	1,065.2	1,065.4	1,145.1	2,983.8
115	2,552.1	2,055.1	2,075.2	1,594.5	2,431.2	1,335.4	2,624.1	1,371.8	1,484.3	1,584.4	1,895.9	1,082.4
116	4,579.3	2,069.8	1,870.2	1,665.0	1,227.5	2,357.2	1,501.3	1,240.8	2,144.7	1,063.1	1,942.5	1,535.5
117	1,866.2	1,597.4	1,342.5	1,076.6	2,622.8	1,468.8	1,102.9	1,715.1	1,164.4	1,203.6	1,543.8	1,573.8

Stream ID	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12
118	2,865.7	1,408.1	1,835.0	1,835.4	1,656.0	937.7	1,979.0	1,287.2	4,303.4	1,306.1	1,886.0	1,370.0
119	1,352.9	1,200.4	1,378.5	1,281.2	2,064.1	1,232.2	1,398.0	1,648.5	2,658.0	2,208.9	2,660.0	1,314.6
120	2,953.2	1,053.2	2,277.5	2,016.7	3,079.6	2,840.9	1,502.3	1,878.5	2,363.4	1,062.4	1,639.0	1,276.0
121	1,196.0	1,723.2	4,120.8	1,597.8	2,617.0	1,683.2	3,150.6	1,402.4	1,144.7	1,528.2	1,314.6	1,194.0
122	1,859.4	1,143.4	2,652.1	1,232.9	1,156.8	1,244.3	1,862.8	1,302.2	1,552.2	1,248.2	2,661.6	1,403.0
123	1,376.0	3,067.0	1,465.5	1,235.7	1,196.8	1,568.2	1,246.0	1,616.3	1,970.2	1,035.6	1,081.0	1,899.9
124	1,161.2	1,059.3	2,889.5	1,811.9	1,866.8	2,483.9	2,489.2	1,206.4	1,236.1	1,176.2	1,616.5	2,019.5
125	1,248.8	979.9	1,424.6	1,257.0	1,319.5	4,140.2	1,194.4	2,178.7	2,923.6	2,641.9	1,249.1	1,236.8
126	2,428.0	1,174.4	2,061.3	1,900.9	2,908.1	1,851.6	2,629.7	4,358.4	1,830.2	2,481.1	1,200.8	1,318.3
127	1,195.3	1,269.6	1,333.4	1,812.9	4,295.5	1,135.3	1,237.8	1,424.8	1,887.7	1,053.2	1,158.1	2,712.8
128	1,281.2	1,019.7	1,398.6	1,907.6	1,224.6	1,876.6	1,709.0	1,421.8	2,066.7	1,141.3	1,621.9	1,523.1
Min	189.5	4.4	6.8	5.7	27.1	5.1	34.3	20.7	93.4	19.8	10.1	19.7
Avg	1,895.5	1,714.8	1,772.5	1,708.1	1,753.2	1,718.6	1,799.9	1,703.0	1,934.9	1,629.3	1,694.5	1,724.0
Max	4,579.3	4,051.5	4,294.4	4,041.9	4,337.6	4,140.2	4,076.2	4,358.4	4,303.4	4,048.7	2,878.8	4,149.1

Stream ID	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20	Q21	Q22	RF1	RF2
0	46.7	4.1	5.2	12.5	34.4	99.4	50.3	11.1	130.2	14.6	16.8	15.0
1	2,402.8	1,261.1	1,447.1	2,166.5	1,607.2	2,859.0	1,507.2	2,397.4	413.2	1,124.2	17.2	17.1
2	1,197.0	3,450.5	1,948.5	2,322.1	2,723.5	1,221.4	1,864.8	1,293.9	1,399.0	1,631.2	16.6	15.6
3	1,359.8	1,828.2	2,492.0	1,205.8	1,992.2	2,570.3	1,490.2	1,281.0	1,331.1	1,254.3	16.5	15.4
4	1,203.0	2,924.0	1,906.4	1,625.2	2,051.8	1,116.3	2,115.1	1,310.7	4,321.6	1,237.1	16.5	14.9
5	1,435.9	945.8	4,139.5	1,653.2	1,399.9	2,784.9	2,822.8	1,310.9	416.1	1,906.6	16.7	15.2
6	1,876.0	1,394.6	2,875.3	1,107.1	1,414.5	1,334.2	1,435.7	1,281.7	1,173.9	1,915.1	16.7	17.8
7	1,177.3	1,066.8	1,516.8	1,286.2	2,871.3	551.3	1,748.4	2,754.7	2,297.2	2,407.7	16.5	15.1
8	1,178.3	1,246.5	2,544.0	1,123.8	2,242.5	1,360.6	398.3	2,176.8	1,205.0	1,141.2	16.5	18.4
9	4,047.7	1,162.2	2,230.1	1,393.6	1,944.3	959.2	2,228.6	2,002.5	2,959.3	1,283.6	16.7	16.9
10	1,933.4	2,400.2	4,151.1	1,113.8	2,042.5	2,771.3	1,408.4	1,314.2	2,060.0	999.1	17.5	15.3
11	1,328.7	4,077.2	505.1	2,716.3	2,055.3	2,763.7	1,469.6	1,701.2	1,263.8	1,382.9	16.8	15.3
12	1,308.9	1,307.3	1,334.7	2,507.1	2,167.8	1,672.4	1,395.2	1,208.5	1,114.6	1,989.0	17.1	15.5
13	1,368.5	1,134.6	1,394.5	1,855.6	3,932.2	1,039.1	1,437.2	1,269.9	801.5	2,497.0	16.9	16.6
14	2,171.9	1,075.0	2,848.5	1,034.9	1,970.8	1,795.0	1,436.1	2,685.8	1,588.0	1,446.2	16.6	15.1
15	1,351.3	1,719.0	2,336.3	592.0	2,624.4	1,279.1	1,480.2	1,031.8	1,804.0	1,253.1	16.6	15.3
16	1,145.8	2,384.2	1,206.4	1,907.4	1,190.5	1,369.2	1,360.8	1,866.1	1,227.2	2,863.0	16.6	15.2
17	1,154.7	1,169.3	2,869.0	4,064.1	2,182.6	1,835.7	1,284.0	1,374.9	1,747.4	1,248.8	16.7	15.4
18	2,526.4	813.2	1,318.8	1,273.6	1,974.0	1,168.1	1,238.5	1,542.7	2,189.3	1,616.1	16.4	16.5
19	1,261.2	2,167.6	2,011.7	2,379.4	2,216.0	1,231.6	1,523.4	1,352.6	2,322.7	2,520.6	16.6	15.2
20	2,083.1	2,536.4	4,040.6	865.6	1,435.1	2,632.1	2,853.9	1,260.0	1,202.5	1,678.5	16.6	14.9
21	1,002.7	4,007.3	1,828.0	2,190.4	1,790.9	1,158.2	2,897.4	897.5	2,537.7	1,233.7	16.5	17.5
22	2,538.3	3,976.8	1,203.7	927.4	1,371.0	2,023.5	2,543.7	1,290.8	1,909.1	1,924.4	16.5	18.4
23	1,128.3	1,892.1	3,857.9	2,072.7	1,168.6	1,157.5	1,596.9	1,406.9	1,927.6	984.6	16.7	15.3
24	1,800.8	2,040.1	1,104.7	1,524.2	1,083.6	2,368.4	1,681.5	1,195.9	1,942.2	2,400.7	16.7	15.5
25	2,515.0	2,614.3	1,036.8	2,048.3	1,194.7	1,025.0	1,312.8	1,373.9	1,926.4	2,210.2	16.8	15.2
26	1,146.8	2,795.2	1,332.8	1,161.7	1,626.7	1,002.5	2,542.0	2,384.1	1,970.5	2,524.3	16.6	17.9
27	1,771.8	1,036.9	2,155.2	1,492.7	4,057.4	1,073.2	1,808.2	1,424.8	2,763.8	2,005.5	16.6	15.0
28	1,926.4	1,812.4	2,307.9	2,147.8	1,212.6	1,753.4	1,472.9	2,812.8	2,374.8	3,868.1	16.6	15.3
29	1,268.3	1,342.6	1,385.1	2,227.5	2,140.9	2,025.6	1,208.1	1,254.4	1,234.3	1,490.5	16.8	17.6
30	2,559.9	1,897.2	1,419.7	1,260.4	3,940.0	2,474.6	1,230.9	1,189.3	2,242.1	2,554.2	16.6	17.1
31	1,042.4	1,491.2	1,531.6	1,397.0	1,331.9	2,131.0	1,773.7	2,027.9	2,754.7	1,323.1	16.9	15.3
32	1,671.3	1,378.5	1,217.2	2,642.1	2,597.8	1,243.9	1,728.0	1,123.0	1,404.3	2,080.5	16.7	15.6
33	1,308.8	2,711.1	1,190.6	3,893.8	1,910.4	1,221.5	1,452.8	999.7	2,076.0	1,404.3	16.8	15.2
34	3,792.0	2,490.9	1,181.8	1,206.6	1,445.9	1,999.6	1,561.6	1,152.8	1,651.5	1,852.7	17.1	15.1

Stream ID	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20	Q21	Q22	RF1	RF2
35	1,887.0	1,240.4	1,504.2	1,752.3	4,012.6	1,106.6	1,363.5	2,014.4	1,530.6	2,450.8	16.6	21.4
36	1,679.9	1,093.6	1,271.6	1,097.5	4,058.0	2,495.0	1,487.6	1,292.9	2,613.7	2,133.1	16.5	15.3
37	1,316.2	3,947.7	1,939.3	1,142.0	1,272.6	983.1	2,074.6	1,417.2	1,297.8	2,006.9	16.4	16.0
38	1,106.8	1,790.7	1,145.8	2,512.5	1,506.0	1,555.2	1,263.2	1,372.0	1,231.6	1,831.5	16.5	14.9
39	1,179.6	2,523.8	1,848.1	1,347.4	1,362.7	973.2	2,526.3	2,856.9	2,366.6	1,409.2	16.6	17.4
40	1,486.9	2,164.5	3,861.6	1,308.9	2,635.1	1,161.1	1,442.8	1,889.6	1,526.8	2,041.9	16.6	15.1
41	1,725.4	1,380.1	1,153.2	2,265.2	2,126.5	2,215.3	1,528.3	1,826.8	1,223.8	1,621.9	16.6	15.4
42	2,142.9	1,280.6	1,618.5	1,953.2	1,263.9	2,520.4	1,422.4	2,521.0	1,730.7	1,143.6	16.5	15.0
43	1,177.3	2,511.3	1,408.6	1,808.5	3,989.1	1,113.0	2,208.2	1,400.2	1,160.2	1,576.5	16.6	14.9
44	1,383.1	1,907.1	2,276.1	1,143.5	2,045.5	2,495.1	1,453.7	1,250.5	1,279.0	1,015.3	16.6	16.5
45	1,205.6	2,603.0	2,056.0	1,488.1	2,214.6	1,071.0	1,970.9	1,287.1	3,798.2	1,085.0	16.5	14.9
46	1,529.9	1,224.9	3,568.3	2,150.9	1,220.5	2,315.6	2,364.5	1,238.4	1,992.1	1,750.0	16.6	16.3
47	1,797.3	1,244.5	2,606.0	1,135.3	1,582.7	1,502.6	1,528.0	1,158.2	1,147.9	2,065.4	16.6	15.0
48	1,165.3	1,139.4	1,561.7	1,175.8	2,325.6	2,112.0	1,748.3	2,559.1	2,170.8	2,349.8	16.5	15.0
49	1,091.3	1,572.3	2,235.5	1,209.7	1,863.8	1,569.3	1,961.3	1,832.6	1,154.0	1,127.0	16.5	15.1
50	3,653.5	1,039.1	2,225.8	1,274.8	2,099.1	1,254.3	2,126.6	1,794.5	2,494.3	1,262.0	16.7	15.1
51	1,763.4	2,116.1	3,669.9	1,175.0	1,874.5	2,526.6	1,418.6	1,347.9	1,941.5	1,302.1	16.5	15.0
52	1,333.8	3,581.2	1,945.6	2,338.6	1,873.7	2,552.0	1,655.1	2,223.4	1,394.8	1,576.8	16.6	15.2
53	1,407.8	1,578.9	1,151.1	2,237.6	1,805.7	1,941.6	1,583.2	1,234.5	1,068.4	2,234.1	16.7	17.2
54	1,332.6	1,113.1	1,408.0	1,720.9	3,437.9	1,150.5	1,387.9	1,291.0	2,285.7	2,464.0	16.7	15.3
55	2,222.1	1,046.6	2,506.5	1,290.9	1,790.8	2,048.7	1,464.8	2,219.3	1,439.5	1,408.7	16.9	15.0
56	1,178.2	1,984.2	2,142.9	2,149.2	2,403.5	1,268.4	1,447.7	1,138.1	1,725.4	1,215.3	16.8	17.4
57	1,193.6	2,313.2	1,177.4	2,210.9	1,709.8	1,402.6	1,323.1	1,809.6	1,511.4	2,350.6	16.7	15.5
58	1,071.0	1,222.3	2,535.1	3,550.3	2,053.3	1,799.5	1,185.9	1,154.7	2,031.0	1,439.1	16.6	15.3
59	2,294.2	2,296.9	1,333.4	1,248.9	1,748.0	1,094.2	1,292.0	1,582.4	2,389.6	1,612.6	16.6	15.4
60	1,330.9	1,690.1	2,086.2	2,219.5	2,100.6	1,154.4	1,629.5	1,241.0	2,164.8	2,328.5	16.7	15.3
61	1,799.1	2,270.3	3,508.1	2,347.3	2,018.4	2,185.4	2,673.2	1,209.1	1,185.3	2,023.3	16.8	17.8
62	1,509.8	3,486.9	1,976.4	1,748.5	2,267.3	1,147.0	2,432.7	2,377.5	2,295.2	1,121.4	16.5	16.8
63	2,421.9	3,470.4	1,519.4	2,405.7	1,435.8	1,633.5	2,115.6	1,058.7	1,970.6	1,909.2	16.6	15.3
64	1,151.6	1,705.0	3,450.6	1,891.8	1,206.3	2,404.6	1,579.8	1,383.6	1,648.1	1,581.0	16.7	15.3
65	2,040.6	1,731.1	1,189.6	1,665.6	1,277.0	2,287.8	1,617.6	1,599.8	2,370.8	2,115.6	16.6	15.2
66	2,195.7	2,361.3	1,167.7	1,831.0	1,219.4	2,404.6	1,750.3	1,432.1	1,503.2	1,810.2	16.5	15.5
67	2,596.7	2,291.8	1,378.4	1,211.8	1,602.3	1,012.2	2,319.6	2,317.0	2,175.8	2,272.6	16.7	15.4
68	1,672.1	2,489.0	2,070.5	1,435.0	3,579.4	1,022.5	1,468.1	1,632.6	2,542.5	1,826.5	16.6	20.0
69	2,068.5	1,799.5	1,820.6	1,635.7	1,234.4	2,105.4	1,324.3	2,088.9	2,630.4	3,546.3	16.7	15.5
70	1,038.5	1,468.8	1,384.2	1,682.5	1,673.9	1,872.5	1,243.3	1,649.9	1,102.9	2,045.2	16.8	14.7
71	2,310.0	1,554.3	1,952.6	1,133.8	3,579.6	2,236.8	1,355.4	1,268.8	1,688.1	2,311.6	16.9	15.4
72	1,106.2	1,490.0	1,339.9	1,259.0	1,319.9	2,133.1	1,691.0	2,082.8	2,229.2	1,237.2	17.2	15.0
73	2,177.6	1,342.6	2,655.3	2,307.1	2,396.3	1,565.1	1,750.6	1,110.9	1,407.8	1,963.7	16.8	14.8
74	1,342.2	2,206.7	2,665.4	3,494.9	2,126.3	1,394.1	1,341.7	1,588.3	1,655.9	1,319.3	16.6	17.6
75	3,103.8	1,926.9	1,583.8	1,133.9	1,520.1	1,600.0	1,735.1	1,148.5	2,252.8	1,840.6	16.8	15.2
76	1,672.1	2,681.5	1,569.2	2,307.7	3,584.1	980.4	1,234.2	1,860.3	1,532.2	2,347.6	16.6	19.5
77	2,390.4	1,212.7	1,342.4	1,292.8	3,433.6	1,561.8	1,922.4	1,062.3	2,580.3	1,535.5	16.6	15.4
78	2,800.2	3,387.8	1,828.7	1,125.2	1,284.2	1,587.1	2,214.2	1,245.7	1,506.3	1,699.4	16.8	15.6
79	1,377.9	1,625.3	1,175.2	1,896.0	1,493.6	1,325.7	1,302.3	2,851.0	1,096.5	1,722.4	16.8	15.2
80	1,165.9	2,320.7	1,583.3	1,526.5	1,218.5	1,563.1	2,310.1	2,280.9	2,311.2	1,530.8	16.7	15.0
81	2,815.1	1,478.8	3,365.9	1,474.2	2,425.1	1,094.2	1,683.9	1,639.9	2,035.7	1,739.1	16.6	15.5
82	1,740.1	2,825.8	1,099.3	1,716.8	2,232.0	2,300.8	1,578.0	1,719.9	1,875.9	2,000.5	16.5	15.2
83	1,760.4	1,393.5	2,032.2	1,577.3	1,726.1	2,302.0	1,292.0	2,285.6	3,162.7	1,257.0	16.6	15.1
84	1,096.0	2,243.4	1,819.1	1,882.9	3,515.4	1,073.2	2,024.5	1,542.8	1,842.5	2,075.7	16.7	17.4
85	1,226.6	1,644.1	1,329.8	1,263.9	1,950.3	1,558.4	1,487.2	1,106.6	1,394.2	1,890.4	16.6	14.7

Stream ID	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20	Q21	Q22	RF1	RF2
86	1,110.6	2,322.2	1,840.1	1,957.9	2,168.1	1,078.8	1,863.8	1,258.1	3,264.9	1,207.0	16.7	16.4
87	1,927.0	1,570.1	3,040.8	2,308.1	1,119.1	1,804.4	2,486.2	1,154.4	3,352.6	1,921.3	16.8	15.3
88	1,854.8	1,086.8	2,296.6	1,115.0	1,429.2	2,074.2	1,704.9	1,239.3	2,171.4	1,593.8	16.8	16.4
89	1,280.9	1,039.2	1,500.1	1,092.8	1,645.4	3,556.5	2,262.7	2,231.4	2,236.8	2,637.7	16.9	20.3
90	1,162.7	1,812.5	1,945.7	1,209.6	2,102.5	1,283.6	3,424.3	1,444.2	1,238.9	1,179.4	16.9	15.3
91	3,076.1	1,057.1	1,426.0	1,490.5	1,973.5	1,870.6	1,725.9	1,988.8	1,546.8	1,107.9	16.7	15.1
92	1,858.2	1,812.6	3,074.5	1,266.8	1,970.3	2,237.9	1,558.3	1,420.2	1,528.9	1,630.0	16.7	15.0
93	1,376.4	3,021.1	3,359.9	2,228.7	1,960.6	2,244.9	1,703.6	2,278.3	1,409.8	1,646.9	16.8	16.3
94	1,342.3	1,325.7	1,746.9	1,993.6	2,100.8	1,592.4	1,585.9	1,099.7	1,186.8	2,414.8	16.9	16.7
95	1,377.6	1,113.0	1,558.8	1,877.3	2,894.8	1,145.8	1,326.3	1,240.7	3,658.0	1,904.5	16.7	17.4
96	1,284.7	1,281.2	1,594.6	1,861.3	1,737.8	1,889.1	1,212.4	2,525.6	2,300.5	1,373.9	16.6	19.9
97	1,083.0	1,812.1	1,629.4	3,596.4	2,122.3	1,897.1	1,600.4	1,117.6	1,579.0	1,257.0	16.8	17.5
98	1,578.9	2,400.1	1,147.0	2,640.0	2,036.0	1,073.4	1,544.5	2,175.4	1,987.8	1,517.5	16.6	15.0
99	1,308.9	1,119.1	1,558.5	3,035.0	1,663.4	1,650.0	1,433.8	1,364.4	1,638.0	1,347.1	16.7	15.3
100	2,130.0	3,669.6	1,240.6	2,055.7	1,942.6	1,382.6	1,430.3	2,135.4	1,688.4	1,284.8	16.8	17.4
101	1,409.2	1,966.9	2,371.9	2,649.8	1,685.9	1,035.6	1,660.1	1,102.5	1,649.2	2,081.3	16.7	15.1
102	2,003.2	2,066.0	3,024.1	3,723.3	2,406.2	2,574.9	1,848.5	1,086.6	1,335.4	2,366.2	16.7	14.7
103	1,886.6	2,942.3	1,710.8	1,220.2	2,580.3	1,040.1	1,725.3	3,787.8	2,082.7	1,400.0	16.7	15.1
104	2,118.1	2,954.6	1,247.9	3,755.3	2,174.9	1,612.1	1,586.3	1,442.6	1,681.8	1,595.1	16.6	14.9
105	1,433.4	1,850.2	2,947.2	1,613.7	1,295.4	3,785.9	1,533.6	1,256.1	1,592.9	1,884.3	16.5	15.3
106	1,676.5	1,973.0	1,283.7	2,137.1	1,445.3	2,361.1	1,419.3	1,623.6	2,326.8	1,648.3	16.6	15.2
107	2,019.1	2,579.2	1,247.5	1,637.0	1,408.7	3,863.4	2,008.0	1,267.8	1,424.6	1,098.3	16.6	15.5
108	3,985.8	1,562.2	1,435.7	1,846.6	1,440.4	1,158.1	1,884.0	2,585.8	2,410.9	2,039.3	16.6	17.2
109	1,646.8	3,873.8	1,679.8	1,446.8	3,045.9	1,094.4	1,501.0	1,518.4	2,253.7	1,533.2	16.8	15.2
110	1,606.0	1,658.9	1,500.7	1,616.0	1,246.3	2,443.3	1,309.4	1,564.4	2,560.2	2,928.5	16.7	15.7
111	1,050.6	1,220.3	1,255.1	1,177.4	1,399.5	1,825.2	1,435.2	1,866.9	1,335.4	2,373.4	16.7	15.2
112	2,556.8	1,413.5	2,256.5	1,051.6	2,987.3	1,561.9	1,337.7	1,423.9	1,415.8	2,104.1	16.6	15.5
113	1,168.9	1,295.5	1,431.4	1,897.6	1,159.7	1,476.0	2,244.2	1,566.4	1,974.7	1,745.4	16.6	14.7
114	2,553.8	1,519.4	4,067.1	2,566.7	1,613.2	1,866.2	1,720.9	1,072.6	1,443.6	1,662.3	16.6	15.0
115	1,219.5	1,478.9	4,076.2	3,008.4	1,724.1	1,231.7	1,495.9	1,862.2	1,586.3	1,343.4	16.6	15.0
116	2,751.5	1,460.6	1,844.9	1,210.4	1,535.5	1,595.8	1,531.7	1,115.9	2,645.9	1,648.8	16.6	15.5
117	1,537.0	4,081.8	1,345.8	2,682.1	3,127.3	1,195.3	1,238.3	1,912.8	2,215.4	2,020.4	16.6	15.4
118	2,646.1	1,246.6	1,199.7	1,224.2	3,033.5	1,203.1	2,199.2	1,170.8	2,708.4	1,451.8	16.5	16.3
119	4,074.0	2,986.3	1,537.0	1,175.2	1,155.4	1,869.2	1,837.5	1,733.7	1,328.2	1,848.8	16.6	15.1
120	1,384.4	1,875.5	1,327.6	1,012.2	1,284.3	1,264.9	1,469.4	4,106.2	1,117.7	2,229.3	16.5	16.2
121	1,057.4	1,922.8	1,885.7	2,130.0	1,371.3	1,893.5	1,707.8	1,527.0	2,428.2	1,312.3	16.5	15.0
122	4,119.6	1,558.1	3,063.5	1,265.7	2,092.2	1,246.1	1,934.4	1,680.3	2,256.6	1,696.7	16.5	15.1
123	1,646.8	4,127.9	1,228.4	1,691.6	2,526.3	2,492.8	1,723.3	1,862.7	1,826.3	2,133.0	16.6	15.1
124	1,158.2	1,354.2	2,502.3	1,257.4	1,982.4	1,886.0	1,477.7	1,626.4	4,432.4	1,415.0	16.6	15.1
125	1,143.7	1,891.8	1,832.4	1,904.8	3,179.1	1,229.4	1,857.4	1,266.5	2,407.7	2,323.7	16.5	19.3
126	1,248.2	1,602.7	1,144.2	1,438.4	1,727.5	1,460.6	1,479.9	1,071.8	1,351.2	1,885.4	16.6	19.1
127	1,377.9	1,960.8	1,670.2	2,522.6	2,752.1	1,331.2	1,998.6	1,772.2	2,905.4	1,230.0	16.5	17.2
128	2,186.5	1,869.2	2,931.0	2,665.3	1,439.2	1,352.2	2,555.2	1,226.4	4,356.7	1,585.4	16.6	14.9
Min	46.7	4.1	5.2	12.5	34.4	99.4	50.3	11.1	130.2	14.6	16.4	14.7
Avg	1,741.7	1,955.8	1,945.2	1,797.0	2,018.0	1,694.1	1,691.8	1,622.0	1,908.5	1,762.8	16.7	15.9
Max	4,119.6	4,127.9	4,151.1	4,064.1	4,058.0	3,863.4	3,424.3	4,106.2	4,432.4	3,868.1	17.5	21.4