



SPARC Enterprise M8000 Server with Oracle Database 11g Release 2

TPC-H Rev. 2.14.1
TPC-Pricing 1.6.0

Report Date: June 3, 2011
Revised: September 14, 2011

Total System Cost

Composite Query per Hour Metric

Price / Performance

\$1,995,715 USD

209,533.6 QphH@1000GB

\$9.53/QphH@1000GB

Database Size

Database Manager

Operating System

Other Software

Availability Date

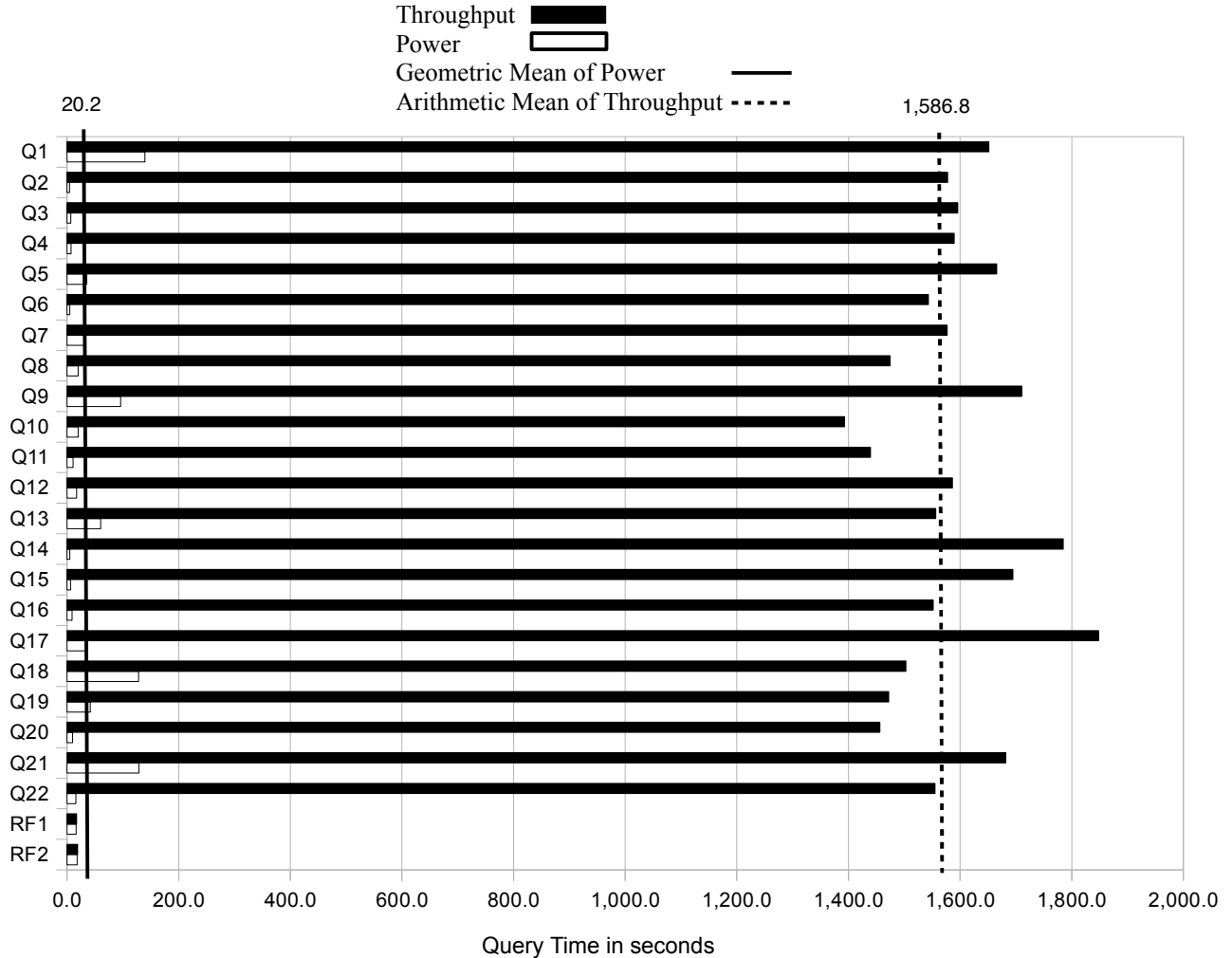
1000GB

Oracle Database 11g Release 2
Enterprise Edition with
Partitioning

Solaris 10 8/11

None

September 22, 2011



Database Load Time = 1:27:12
Load Includes Backup: N
Total Data Storage / Database Size = 11.2
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:

Total Storage:

SPARC Enterprise M8000 Server

16 SPARC64 VII+ 3000 MHz Processors, 64 cores, 128 threads

512GB

4 Sun Storage F5100 Flash Arrays w/ 80 24GB FMODs each

12 300GB 10K SAS Internal

11,280GB (GB = 1024*1024*1024 bytes)



SPARC Enterprise M8000 Server with Oracle Database 11g Release 2

TPC-H Rev. 2.14.1
TPC-Pricing 1.6.0

Report Date: June 3, 2011
Revised: September 14, 2011

Description	Part Number	Source	Unit Price	Qty	Ext. Price	3 Yr. Maint.
Server Hardware						
Sun SE M8000-16 Base 1ph	SEGASY12Z	1	448,479	1	448,479	
SE_CMU:4*SPARCVII+ 3.0w/128GB	SEMY4KG1Z	1	252,327	4	1,009,308	
SE_PCI_E IO Unit: 8*slots	7101643	1	59,520	4	238,080	
PWR Cord 1PHs M8000-9000 USA	SEMX9P31Z-N	1	3,039	9	25,351	
PCI-E Base IO Card	SEMY7BS1Z-N	1	3,840	6	23,040	
300GB 10K RPM 2.5" SAS	SEMX3C11Z-N	1S	1,481	12	17,772	
Sun Storage 6Gb SAS PCIe HBA: 8port	SG-SAS6-EXT-Z	1	599	16	9,584	
Sun Fire X4170 M2 Server	X4170M2-H1-AA	1	2,699	1	2,699	
Solaris 10 Pre-Install	5894A-N	1	0	1	0	
US PC Peripheral Kit (Keyboard/Mouse)	3701A-PC	1	50	1	50	
Express Slide Rail Kit	6326A-N	1	150	1	150	
4GB (1x4GB) DDR3-1333	4910A	1	255	2	510	
6 Gb/s SAS HBA, Internal ATO	SG-SAS6-INT-Z	1	419	1	419	
300GB 10K RPM 2.5" SAS Disk	RB-SS2CF-300G10K-N	1	689	1	689	
DVD+/-RW SATA-based drive ATO	8325A-N	1	145	1	145	
1 x Intel Xeon E5620 ATO	5924A	1	599	1	599	
X4170 CPU Heatsink, XATO	5879A-N	1	0	1	0	
17" TFT Monitor	X7204A-N	1	219	1	219	
Server Hardware Subtotal					1,779,094	0
Storage						
Sun Storage F5100 Flash Array	TA-F5100-M2SA	1	19,995	4	79,980	
20 24GB SATA SLC flash modules	TA-24GBSTSF-20FM	1	33,750	16	540,000	
Express Slide Rail Kit	6326A-N	1	150	4	600	
Jumper Cable Kit: 1 x 1m C13	XSR-JUMP-1MC13	1	29	8	232	
Sun Storage 3M, mini, shielded, SAS cable	XTA-3.0M-SAS-N	1	175	16	2,800	
Storage Subtotal					623,612	0
Server Software						
Solaris 10 8/11 Pre-install	SOLZS-10M9A9S-FI-N	1	0	1	0	
Oracle Solaris Studio 12		1	0	1	0	
Oracle Solaris Studio 12 Support, Named User	B59320	1	1,200	3		3,600
Oracle Database 11g Release 2 Enterprise Edition, Named User Plus for 3 years (for 32 processors)		1	11,875	32	380,000	
Partitioning, Named User Plus for 3 years (for 32 processors)		1	2,875	32	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	288,325	3		864,974
			Total		2,874,706	875,474
Total Oracle Software, Hardware and Maintenance Discount		1			(1,754,465)	
Notes (Source):				3 Yr. Cost	\$1,995,715	
1. Oracle Corp.				QpH @1000GB	209,533.6	
S. Substituted Component				\$/QpH @1000GB	\$9.53	

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 46.71% 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.



**SPARC Enterprise M8000
Server with Oracle Database
11g Release 2**

TPC-H Rev. 2.14.1
TPC-Pricing 1.6.0

Report Date: June 3, 2011
Revised: September 14, 2011

Numerical Quantities

Measurement Results:

Database Scale Factor	= 1000GB
Total Data Storage / Database Size	= 11.2
Start of database load time	= 05-13-2011 14:55:04
End of database load time	= 05-13-2011 16:22:16
Database Load Time	= 1:27:12
Query Streams for Throughput Test	= 128
TPC-H Power	= 177,845.9
TPC-H Throughput	= 246,867.2
TPC-H Composite Query-per-Hour Rating (QpH@1000GB)	= 209,533.6
Total System Price Over 3 Years	= \$1,995,715
TPC-H Price/Performance Metric (\$/QpH@1000GB)	= \$9.53

Measurement Intervals:

Measurement Interval in Throughput Test (Ts)	= 41,065 seconds
--	------------------

Duration of Stream Execution:

Power Run	Seed	RF1 Start RF1 End	Query Start Query End	RF2 Start RF2 End	Duration
	513162216	05/14/2011 03:48:30	05/14/2011 03:48:48	05/14/2011 04:02:40	00:14:29
		05/14/2011 03:48:47	05/14/2011 04:02:40	05/14/2011 04:02:59	

Throughput Stream	Seed	Query Start Query End	Duration	RF1 Start RF1 End	RF2 Start
					RF2 End
1	513162217	05/14/2011 04:03:06	09:26:33	05/14/2011 14:10:44	05/14/2011 14:11:45
		05/14/2011 13:29:39			05/14/2011 14:12:05
2	513162218	05/14/2011 04:03:06	09:19:18	05/14/2011 14:12:05	05/14/2011 14:12:28
		05/14/2011 13:22:24			05/14/2011 14:12:47
3	513162219	05/14/2011 04:03:06	09:24:59	05/14/2011 14:12:47	05/14/2011 14:13:06
		05/14/2011 13:28:05			05/14/2011 14:13:25
4	513162220	05/14/2011 04:03:06	09:28:43	05/14/2011 14:13:25	05/14/2011 14:13:43
		05/14/2011 13:31:49			05/14/2011 14:14:02
5	513162221	05/14/2011 04:03:06	09:42:20	05/14/2011 14:14:02	05/14/2011 14:14:19
		05/14/2011 13:45:26			05/14/2011 14:14:37
6	513162222	05/14/2011 04:03:06	09:38:33	05/14/2011 14:14:37	05/14/2011 14:14:54
		05/14/2011 13:41:39			05/14/2011 14:15:13
7	513162223	05/14/2011 04:03:06	09:37:05	05/14/2011 14:15:13	05/14/2011 14:15:29
		05/14/2011 13:40:11			05/14/2011 14:15:48
8	513162224	05/14/2011 04:03:06	09:26:44	05/14/2011 14:15:48	05/14/2011 14:16:04
		05/14/2011 13:29:50			05/14/2011 14:16:22
9	513162225	05/14/2011 04:03:06	09:23:36	05/14/2011 14:16:22	05/14/2011 14:16:39
		05/14/2011 13:26:42			05/14/2011 14:16:57
10	513162226	05/14/2011 04:03:06	09:28:41	05/14/2011 14:16:57	05/14/2011 14:17:15
		05/14/2011 13:31:47			05/14/2011 14:17:36

Throughput Stream	Seed	Query Start Query End	Duration	RF1 Start RF1 End	RF2 Start
					RF2 End
11	513162227	05/14/2011 04:03:06	09:26:20	05/14/2011 14:17:36	05/14/2011 14:17:53
		05/14/2011 13:29:26		05/14/2011 14:17:53	05/14/2011 14:18:12
12	513162228	05/14/2011 04:03:06	09:28:50	05/14/2011 14:18:12	05/14/2011 14:18:28
		05/14/2011 13:31:56		05/14/2011 14:18:28	05/14/2011 14:18:46
13	513162229	05/14/2011 04:03:06	09:28:20	05/14/2011 14:18:46	05/14/2011 14:19:04
		05/14/2011 13:31:26		05/14/2011 14:19:04	05/14/2011 14:19:23
14	513162230	05/14/2011 04:03:06	09:28:50	05/14/2011 14:19:23	05/14/2011 14:19:40
		05/14/2011 13:31:56		05/14/2011 14:19:40	05/14/2011 14:20:01
15	513162231	05/14/2011 04:03:06	09:26:20	05/14/2011 14:20:01	05/14/2011 14:20:18
		05/14/2011 13:29:26		05/14/2011 14:20:18	05/14/2011 14:20:39
16	513162232	05/14/2011 04:03:06	09:31:31	05/14/2011 14:20:39	05/14/2011 14:20:56
		05/14/2011 13:34:38		05/14/2011 14:20:56	05/14/2011 14:21:17
17	513162233	05/14/2011 04:03:06	09:30:56	05/14/2011 14:21:17	05/14/2011 14:21:34
		05/14/2011 13:34:02		05/14/2011 14:21:34	05/14/2011 14:21:53
18	513162234	05/14/2011 04:03:06	09:26:17	05/14/2011 14:21:53	05/14/2011 14:22:10
		05/14/2011 13:29:24		05/14/2011 14:22:09	05/14/2011 14:22:29
19	513162235	05/14/2011 04:03:06	09:26:24	05/14/2011 14:22:29	05/14/2011 14:22:46
		05/14/2011 13:29:30		05/14/2011 14:22:46	05/14/2011 14:23:07
20	513162236	05/14/2011 04:03:07	09:27:41	05/14/2011 14:23:07	05/14/2011 14:23:23
		05/14/2011 13:30:48		05/14/2011 14:23:23	05/14/2011 14:23:42
21	513162237	05/14/2011 04:03:07	09:28:49	05/14/2011 14:23:42	05/14/2011 14:23:59
		05/14/2011 13:31:56		05/14/2011 14:23:59	05/14/2011 14:24:17
22	513162238	05/14/2011 04:03:07	09:26:19	05/14/2011 14:24:17	05/14/2011 14:24:34
		05/14/2011 13:29:26		05/14/2011 14:24:34	05/14/2011 14:24:53
23	513162239	05/14/2011 04:03:07	09:29:35	05/14/2011 14:24:53	05/14/2011 14:25:09
		05/14/2011 13:32:42		05/14/2011 14:25:09	05/14/2011 14:25:28
24	513162240	05/14/2011 04:03:07	09:34:23	05/14/2011 14:25:28	05/14/2011 14:25:45
		05/14/2011 13:37:30		05/14/2011 14:25:45	05/14/2011 14:26:03
25	513162241	05/14/2011 04:03:07	09:37:03	05/14/2011 14:26:03	05/14/2011 14:26:20
		05/14/2011 13:40:09		05/14/2011 14:26:20	05/14/2011 14:26:41
26	513162242	05/14/2011 04:03:07	09:26:45	05/14/2011 14:26:41	05/14/2011 14:26:58
		05/14/2011 13:29:51		05/14/2011 14:26:58	05/14/2011 14:27:16
27	513162243	05/14/2011 04:03:07	09:31:32	05/14/2011 14:27:16	05/14/2011 14:27:33
		05/14/2011 13:34:39		05/14/2011 14:27:33	05/14/2011 14:27:51
28	513162244	05/14/2011 04:03:07	09:29:35	05/14/2011 14:27:51	05/14/2011 14:28:08
		05/14/2011 13:32:42		05/14/2011 14:28:08	05/14/2011 14:28:27
29	513162245	05/14/2011 04:03:07	09:34:23	05/14/2011 14:28:27	05/14/2011 14:28:43
		05/14/2011 13:37:30		05/14/2011 14:28:43	05/14/2011 14:29:02
30	513162246	05/14/2011 04:03:07	09:37:57	05/14/2011 14:29:02	05/14/2011 14:29:18
		05/14/2011 13:41:04		05/14/2011 14:29:18	05/14/2011 14:29:36
31	513162247	05/14/2011 04:03:07	09:27:17	05/14/2011 14:29:36	05/14/2011 14:29:53
		05/14/2011 13:30:24		05/14/2011 14:29:53	05/14/2011 14:30:13
32	513162248	05/14/2011 04:03:07	09:29:13	05/14/2011 14:30:13	05/14/2011 14:30:30
		05/14/2011 13:32:20		05/14/2011 14:30:30	05/14/2011 14:30:48
33	513162249	05/14/2011 04:03:07	09:31:26	05/14/2011 14:30:48	05/14/2011 14:31:04
		05/14/2011 13:34:34		05/14/2011 14:31:04	05/14/2011 14:31:23
34	513162250	05/14/2011 04:03:07	09:32:58	05/14/2011 14:31:23	05/14/2011 14:31:39
		05/14/2011 13:36:05		05/14/2011 14:31:39	05/14/2011 14:31:58
35	513162251	05/14/2011 04:03:07	09:26:24	05/14/2011 14:31:58	05/14/2011 14:32:14
		05/14/2011 13:29:31		05/14/2011 14:32:14	05/14/2011 14:32:35
36	513162252	05/14/2011 04:03:07	09:28:37	05/14/2011 14:32:35	05/14/2011 14:32:52

Throughput Stream	Seed	Query Start Query End	Duration	RF1 Start RF1 End	RF2 Start
					RF2 End
		05/14/2011 13:31:45		05/14/2011 14:32:52	05/14/2011 14:33:10
37	513162253	05/14/2011 04:03:07	09:29:27	05/14/2011 14:33:10	05/14/2011 14:33:27
		05/14/2011 13:32:35		05/14/2011 14:33:27	05/14/2011 14:33:45
38	513162254	05/14/2011 04:03:07	09:35:04	05/14/2011 14:33:45	05/14/2011 14:34:02
		05/14/2011 13:38:12		05/14/2011 14:34:02	05/14/2011 14:34:20
39	513162255	05/14/2011 04:03:07	09:31:26	05/14/2011 14:34:20	05/14/2011 14:34:37
		05/14/2011 13:34:34		05/14/2011 14:34:37	05/14/2011 14:34:55
40	513162256	05/14/2011 04:03:08	09:31:26	05/14/2011 14:34:55	05/14/2011 14:35:12
		05/14/2011 13:34:33		05/14/2011 14:35:12	05/14/2011 14:35:30
41	513162257	05/14/2011 04:03:08	09:33:12	05/14/2011 14:35:30	05/14/2011 14:35:47
		05/14/2011 13:36:19		05/14/2011 14:35:47	05/14/2011 14:36:05
42	513162258	05/14/2011 04:03:08	09:31:26	05/14/2011 14:36:05	05/14/2011 14:36:22
		05/14/2011 13:34:33		05/14/2011 14:36:22	05/14/2011 14:36:41
43	513162259	05/14/2011 04:03:08	09:30:55	05/14/2011 14:36:41	05/14/2011 14:36:57
		05/14/2011 13:34:02		05/14/2011 14:36:57	05/14/2011 14:37:15
44	513162260	05/14/2011 04:03:09	09:40:11	05/14/2011 14:37:15	05/14/2011 14:37:32
		05/14/2011 13:43:20		05/14/2011 14:37:32	05/14/2011 14:37:51
45	513162261	05/14/2011 04:03:09	09:33:35	05/14/2011 14:37:51	05/14/2011 14:38:08
		05/14/2011 13:36:44		05/14/2011 14:38:08	05/14/2011 14:38:26
46	513162262	05/14/2011 04:03:09	09:52:47	05/14/2011 14:38:26	05/14/2011 14:38:44
		05/14/2011 13:55:56		05/14/2011 14:38:44	05/14/2011 14:39:02
47	513162263	05/14/2011 04:03:10	09:37:56	05/14/2011 14:39:02	05/14/2011 14:39:19
		05/14/2011 13:41:06		05/14/2011 14:39:19	05/14/2011 14:39:40
48	513162264	05/14/2011 04:03:10	09:32:41	05/14/2011 14:39:40	05/14/2011 14:39:57
		05/14/2011 13:35:51		05/14/2011 14:39:57	05/14/2011 14:40:15
49	513162265	05/14/2011 04:03:10	09:31:27	05/14/2011 14:40:15	05/14/2011 14:40:32
		05/14/2011 13:34:38		05/14/2011 14:40:32	05/14/2011 14:40:50
50	513162266	05/14/2011 04:03:10	09:31:40	05/14/2011 14:40:50	05/14/2011 14:41:07
		05/14/2011 13:34:50		05/14/2011 14:41:07	05/14/2011 14:41:25
51	513162267	05/14/2011 04:03:10	09:32:40	05/14/2011 14:41:25	05/14/2011 14:41:42
		05/14/2011 13:35:50		05/14/2011 14:41:42	05/14/2011 14:42:00
52	513162268	05/14/2011 04:03:10	09:35:59	05/14/2011 14:42:00	05/14/2011 14:42:17
		05/14/2011 13:39:10		05/14/2011 14:42:17	05/14/2011 14:42:35
53	513162269	05/14/2011 04:03:10	09:37:18	05/14/2011 14:42:35	05/14/2011 14:42:51
		05/14/2011 13:40:29		05/14/2011 14:42:51	05/14/2011 14:43:10
54	513162270	05/14/2011 04:03:10	09:31:15	05/14/2011 14:43:10	05/14/2011 14:43:26
		05/14/2011 13:34:25		05/14/2011 14:43:26	05/14/2011 14:43:45
55	513162271	05/14/2011 04:03:10	09:37:09	05/14/2011 14:43:45	05/14/2011 14:44:02
		05/14/2011 13:40:19		05/14/2011 14:44:02	05/14/2011 14:44:20
56	513162272	05/14/2011 04:03:11	09:31:23	05/14/2011 14:44:20	05/14/2011 14:44:37
		05/14/2011 13:34:33		05/14/2011 14:44:37	05/14/2011 14:44:58
57	513162273	05/14/2011 04:03:11	09:48:00	05/14/2011 14:44:58	05/14/2011 14:45:14
		05/14/2011 13:51:11		05/14/2011 14:45:14	05/14/2011 14:45:32
58	513162274	05/14/2011 04:03:11	09:30:52	05/14/2011 14:45:32	05/14/2011 14:45:49
		05/14/2011 13:34:03		05/14/2011 14:45:49	05/14/2011 14:46:07
59	513162275	05/14/2011 04:03:11	09:32:55	05/14/2011 14:46:07	05/14/2011 14:46:24
		05/14/2011 13:36:06		05/14/2011 14:46:24	05/14/2011 14:46:42
60	513162276	05/14/2011 04:03:11	09:28:45	05/14/2011 14:46:42	05/14/2011 14:46:59
		05/14/2011 13:31:56		05/14/2011 14:46:59	05/14/2011 14:47:17
61	513162277	05/14/2011 04:03:12	09:35:00	05/14/2011 14:47:17	05/14/2011 14:47:34
		05/14/2011 13:38:12		05/14/2011 14:47:34	05/14/2011 14:47:52

Throughput Stream	Seed	Query Start Query End	Duration	RF1 Start RF1 End	RF2 Start
					RF2 End
62	513162278	05/14/2011 04:03:12	09:38:43	05/14/2011 14:47:52	05/14/2011 14:48:09
		05/14/2011 13:41:55		05/14/2011 14:48:09	05/14/2011 14:48:27
63	513162279	05/14/2011 04:03:12	09:39:28	05/14/2011 14:48:27	05/14/2011 14:48:44
		05/14/2011 13:42:41		05/14/2011 14:48:44	05/14/2011 14:49:04
64	513162280	05/14/2011 04:03:12	09:40:35	05/14/2011 14:49:04	05/14/2011 14:49:20
		05/14/2011 13:43:47		05/14/2011 14:49:20	05/14/2011 14:49:38
65	513162281	05/14/2011 04:03:12	09:51:48	05/14/2011 14:49:38	05/14/2011 14:49:55
		05/14/2011 13:55:01		05/14/2011 14:49:55	05/14/2011 14:50:14
66	513162282	05/14/2011 04:03:13	09:58:49	05/14/2011 14:50:14	05/14/2011 14:50:31
		05/14/2011 14:02:02		05/14/2011 14:50:31	05/14/2011 14:50:49
67	513162283	05/14/2011 04:03:13	09:38:27	05/14/2011 14:50:49	05/14/2011 14:51:06
		05/14/2011 13:41:40		05/14/2011 14:51:06	05/14/2011 14:51:25
68	513162284	05/14/2011 04:03:13	09:34:46	05/14/2011 14:51:25	05/14/2011 14:51:42
		05/14/2011 13:37:59		05/14/2011 14:51:42	05/14/2011 14:52:00
69	513162285	05/14/2011 04:03:13	09:37:13	05/14/2011 14:52:00	05/14/2011 14:52:17
		05/14/2011 13:40:25		05/14/2011 14:52:17	05/14/2011 14:52:36
70	513162286	05/14/2011 04:03:13	09:46:22	05/14/2011 14:52:36	05/14/2011 14:52:53
		05/14/2011 13:49:35		05/14/2011 14:52:53	05/14/2011 14:53:11
71	513162287	05/14/2011 04:03:13	09:50:52	05/14/2011 14:53:11	05/14/2011 14:53:28
		05/14/2011 13:54:05		05/14/2011 14:53:28	05/14/2011 14:53:47
72	513162288	05/14/2011 04:03:13	09:51:11	05/14/2011 14:53:47	05/14/2011 14:54:04
		05/14/2011 13:54:24		05/14/2011 14:54:03	05/14/2011 14:54:25
73	513162289	05/14/2011 04:03:13	09:38:01	05/14/2011 14:54:25	05/14/2011 14:54:42
		05/14/2011 13:41:14		05/14/2011 14:54:42	05/14/2011 14:55:00
74	513162290	05/14/2011 04:03:13	09:47:57	05/14/2011 14:55:00	05/14/2011 14:55:17
		05/14/2011 13:51:11		05/14/2011 14:55:17	05/14/2011 14:55:36
75	513162291	05/14/2011 04:03:13	09:46:07	05/14/2011 14:55:36	05/14/2011 14:55:53
		05/14/2011 13:49:21		05/14/2011 14:55:53	05/14/2011 14:56:12
76	513162292	05/14/2011 04:03:13	09:31:27	05/14/2011 14:56:12	05/14/2011 14:56:28
		05/14/2011 13:34:41		05/14/2011 14:56:28	05/14/2011 14:56:48
77	513162293	05/14/2011 04:03:14	09:50:33	05/14/2011 14:56:48	05/14/2011 14:57:04
		05/14/2011 13:53:46		05/14/2011 14:57:04	05/14/2011 14:57:23
78	513162294	05/14/2011 04:03:14	09:48:27	05/14/2011 14:57:23	05/14/2011 14:57:39
		05/14/2011 13:51:40		05/14/2011 14:57:39	05/14/2011 14:57:57
79	513162295	05/14/2011 04:03:14	09:47:56	05/14/2011 14:57:57	05/14/2011 14:58:14
		05/14/2011 13:51:09		05/14/2011 14:58:14	05/14/2011 14:58:32
80	513162296	05/14/2011 04:03:14	09:42:24	05/14/2011 14:58:32	05/14/2011 14:58:49
		05/14/2011 13:45:38		05/14/2011 14:58:49	05/14/2011 14:59:09
81	513162297	05/14/2011 04:03:14	10:05:28	05/14/2011 14:59:09	05/14/2011 14:59:26
		05/14/2011 14:08:42		05/14/2011 14:59:26	05/14/2011 14:59:46
82	513162298	05/14/2011 04:03:14	09:43:33	05/14/2011 14:59:46	05/14/2011 15:00:03
		05/14/2011 13:46:47		05/14/2011 15:00:03	05/14/2011 15:00:22
83	513162299	05/14/2011 04:03:14	09:42:19	05/14/2011 15:00:22	05/14/2011 15:00:38
		05/14/2011 13:45:33		05/14/2011 15:00:38	05/14/2011 15:00:56
84	513162300	05/14/2011 04:03:14	09:42:09	05/14/2011 15:00:56	05/14/2011 15:01:13
		05/14/2011 13:45:23		05/14/2011 15:01:13	05/14/2011 15:01:31
85	513162301	05/14/2011 04:03:14	09:49:07	05/14/2011 15:01:31	05/14/2011 15:01:47
		05/14/2011 13:52:21		05/14/2011 15:01:47	05/14/2011 15:02:06
86	513162302	05/14/2011 04:03:14	09:59:21	05/14/2011 15:02:06	05/14/2011 15:02:22
		05/14/2011 14:02:35		05/14/2011 15:02:22	05/14/2011 15:02:41
87	513162303	05/14/2011 04:03:14	10:05:14	05/14/2011 15:02:41	05/14/2011 15:02:57

Throughput Stream	Seed	Query Start Query End	Duration	RF1 Start RF1 End	RF2 Start
					RF2 End
		05/14/2011 14:08:28		05/14/2011 15:02:57	05/14/2011 15:03:17
88	513162304	05/14/2011 04:03:14	09:46:08	05/14/2011 15:03:17	05/14/2011 15:03:34
		05/14/2011 13:49:22		05/14/2011 15:03:34	05/14/2011 15:03:52
89	513162305	05/14/2011 04:03:14	09:47:57	05/14/2011 15:03:52	05/14/2011 15:04:09
		05/14/2011 13:51:11		05/14/2011 15:04:09	05/14/2011 15:04:27
90	513162306	05/14/2011 04:03:15	09:42:11	05/14/2011 15:04:27	05/14/2011 15:04:44
		05/14/2011 13:45:26		05/14/2011 15:04:44	05/14/2011 15:05:02
91	513162307	05/14/2011 04:03:15	09:39:48	05/14/2011 15:05:02	05/14/2011 15:05:19
		05/14/2011 13:43:03		05/14/2011 15:05:19	05/14/2011 15:05:39
92	513162308	05/14/2011 04:03:15	09:52:41	05/14/2011 15:05:39	05/14/2011 15:05:56
		05/14/2011 13:55:56		05/14/2011 15:05:56	05/14/2011 15:06:18
93	513162309	05/14/2011 04:03:15	09:38:01	05/14/2011 15:06:18	05/14/2011 15:06:34
		05/14/2011 13:41:16		05/14/2011 15:06:34	05/14/2011 15:06:53
94	513162310	05/14/2011 04:03:15	09:38:00	05/14/2011 15:06:53	05/14/2011 15:07:09
		05/14/2011 13:41:15		05/14/2011 15:07:09	05/14/2011 15:07:28
95	513162311	05/14/2011 04:03:15	09:41:39	05/14/2011 15:07:28	05/14/2011 15:07:45
		05/14/2011 13:44:54		05/14/2011 15:07:45	05/14/2011 15:08:05
96	513162312	05/14/2011 04:03:15	09:48:44	05/14/2011 15:08:05	05/14/2011 15:08:22
		05/14/2011 13:51:59		05/14/2011 15:08:22	05/14/2011 15:08:41
97	513162313	05/14/2011 04:03:15	09:42:18	05/14/2011 15:08:41	05/14/2011 15:08:57
		05/14/2011 13:45:33		05/14/2011 15:08:57	05/14/2011 15:09:16
98	513162314	05/14/2011 04:03:16	09:58:46	05/14/2011 15:09:16	05/14/2011 15:09:32
		05/14/2011 14:02:02		05/14/2011 15:09:32	05/14/2011 15:09:50
99	513162315	05/14/2011 04:03:16	09:45:52	05/14/2011 15:09:50	05/14/2011 15:10:07
		05/14/2011 13:49:08		05/14/2011 15:10:07	05/14/2011 15:10:25
100	513162316	05/14/2011 04:03:16	09:48:43	05/14/2011 15:10:25	05/14/2011 15:10:42
		05/14/2011 13:51:59		05/14/2011 15:10:42	05/14/2011 15:11:02
101	513162317	05/14/2011 04:03:16	09:58:44	05/14/2011 15:11:02	05/14/2011 15:11:18
		05/14/2011 14:02:00		05/14/2011 15:11:18	05/14/2011 15:11:37
102	513162318	05/14/2011 04:03:16	10:00:18	05/14/2011 15:11:37	05/14/2011 15:11:54
		05/14/2011 14:03:35		05/14/2011 15:11:54	05/14/2011 15:12:12
103	513162319	05/14/2011 04:03:16	10:00:32	05/14/2011 15:12:12	05/14/2011 15:12:29
		05/14/2011 14:03:48		05/14/2011 15:12:29	05/14/2011 15:12:49
104	513162320	05/14/2011 04:03:16	09:51:09	05/14/2011 15:12:49	05/14/2011 15:13:06
		05/14/2011 13:54:25		05/14/2011 15:13:06	05/14/2011 15:13:24
105	513162321	05/14/2011 04:03:16	09:53:56	05/14/2011 15:13:24	05/14/2011 15:13:41
		05/14/2011 13:57:12		05/14/2011 15:13:41	05/14/2011 15:13:59
106	513162322	05/14/2011 04:03:17	09:43:47	05/14/2011 15:14:00	05/14/2011 15:14:16
		05/14/2011 13:47:03		05/14/2011 15:14:16	05/14/2011 15:14:34
107	513162323	05/14/2011 04:03:17	10:03:05	05/14/2011 15:14:34	05/14/2011 15:14:51
		05/14/2011 14:06:22		05/14/2011 15:14:51	05/14/2011 15:15:09
108	513162324	05/14/2011 04:03:17	09:49:36	05/14/2011 15:15:09	05/14/2011 15:15:26
		05/14/2011 13:52:52		05/14/2011 15:15:26	05/14/2011 15:15:44
109	513162325	05/14/2011 04:03:17	09:40:30	05/14/2011 15:15:44	05/14/2011 15:16:01
		05/14/2011 13:43:47		05/14/2011 15:16:01	05/14/2011 15:16:19
110	513162326	05/14/2011 04:03:17	09:59:32	05/14/2011 15:16:19	05/14/2011 15:16:35
		05/14/2011 14:02:49		05/14/2011 15:16:35	05/14/2011 15:16:54
111	513162327	05/14/2011 04:03:18	09:59:33	05/14/2011 15:16:54	05/14/2011 15:17:10
		05/14/2011 14:02:51		05/14/2011 15:17:10	05/14/2011 15:17:28
112	513162328	05/14/2011 04:03:18	10:06:05	05/14/2011 15:17:28	05/14/2011 15:17:45
		05/14/2011 14:09:23		05/14/2011 15:17:45	05/14/2011 15:18:03

Throughput Stream	Seed	Query Start Query End	Duration	RF1 Start RF1 End		RF2 Start RF2 End	
113	513162329	05/14/2011 04:03:19	09:59:18	05/14/2011 15:18:03	05/14/2011 15:18:20		
		05/14/2011 14:02:37		05/14/2011 15:18:20	05/14/2011 15:18:38		
114	513162330	05/14/2011 04:03:19	09:52:48	05/14/2011 15:18:38	05/14/2011 15:18:55		
		05/14/2011 13:56:07		05/14/2011 15:18:55	05/14/2011 15:19:13		
115	513162331	05/14/2011 04:03:19	09:58:20	05/14/2011 15:19:13	05/14/2011 15:19:29		
		05/14/2011 14:01:39		05/14/2011 15:19:29	05/14/2011 15:19:49		
116	513162332	05/14/2011 04:03:19	09:54:05	05/14/2011 15:19:49	05/14/2011 15:20:06		
		05/14/2011 13:57:24		05/14/2011 15:20:06	05/14/2011 15:20:24		
117	513162333	05/14/2011 04:03:20	09:52:07	05/14/2011 15:20:24	05/14/2011 15:20:41		
		05/14/2011 13:55:27		05/14/2011 15:20:41	05/14/2011 15:20:59		
118	513162334	05/14/2011 04:03:20	10:05:42	05/14/2011 15:20:59	05/14/2011 15:21:16		
		05/14/2011 14:09:02		05/14/2011 15:21:16	05/14/2011 15:21:34		
119	513162335	05/14/2011 04:03:20	10:00:02	05/14/2011 15:21:34	05/14/2011 15:21:51		
		05/14/2011 14:03:22		05/14/2011 15:21:50	05/14/2011 15:22:10		
120	513162336	05/14/2011 04:03:21	10:07:22	05/14/2011 15:22:10	05/14/2011 15:22:26		
		05/14/2011 14:10:43		05/14/2011 15:22:26	05/14/2011 15:22:46		
121	513162337	05/14/2011 04:03:21	10:05:35	05/14/2011 15:22:46	05/14/2011 15:23:03		
		05/14/2011 14:08:56		05/14/2011 15:23:03	05/14/2011 15:23:21		
122	513162338	05/14/2011 04:03:21	10:02:36	05/14/2011 15:23:21	05/14/2011 15:23:38		
		05/14/2011 14:05:57		05/14/2011 15:23:38	05/14/2011 15:23:57		
123	513162339	05/14/2011 04:03:21	09:50:19	05/14/2011 15:23:57	05/14/2011 15:24:13		
		05/14/2011 13:53:41		05/14/2011 15:24:13	05/14/2011 15:24:32		
124	513162340	05/14/2011 04:03:23	10:01:11	05/14/2011 15:24:32	05/14/2011 15:24:48		
		05/14/2011 14:04:33		05/14/2011 15:24:48	05/14/2011 15:25:07		
125	513162341	05/14/2011 04:03:24	09:51:32	05/14/2011 15:25:07	05/14/2011 15:25:24		
		05/14/2011 13:54:56		05/14/2011 15:25:24	05/14/2011 15:25:42		
126	513162342	05/14/2011 04:03:25	10:00:48	05/14/2011 15:25:42	05/14/2011 15:25:59		
		05/14/2011 14:04:13		05/14/2011 15:25:59	05/14/2011 15:26:19		
127	513162343	05/14/2011 04:03:25	10:05:32	05/14/2011 15:26:19	05/14/2011 15:26:35		
		05/14/2011 14:08:58		05/14/2011 15:26:35	05/14/2011 15:26:53		
128	513162344	05/14/2011 04:03:26	10:05:47	05/14/2011 15:26:53	05/14/2011 15:27:10		
		05/14/2011 14:09:13		05/14/2011 15:27:10	05/14/2011 15:27:30		

TPC-H Timing Intervals (in seconds):

Stream ID	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12
0	139.7	4.4	6.5	7.0	35.2	5.1	31.7	20.0	97.2	19.9	10.9	17.2
1	1,332.8	1,734.2	3,923.4	1,042.4	2,271.6	2,303.9	1,520.5	992.2	1,123.2	856.8	1,683.6	1,206.7
2	737.6	2,282.5	987.4	884.5	1,063.7	10.9	1,047.9	1,137.1	2,377.8	1,539.5	1,240.8	1,442.7
3	2,239.3	1,056.2	1,196.9	2,740.6	4,224.6	2,156.3	1,606.0	52.0	1,407.5	1,031.1	1,060.4	1,223.4
4	1,195.9	1,118.5	1,329.1	958.5	100.6	2,550.4	1,139.4	1,413.3	1,186.2	1,575.0	1,489.0	2,295.8
5	1,641.8	1,283.2	1,354.9	2,749.9	772.5	2,249.1	1,752.9	963.8	1,246.7	1,222.5	1,642.2	1,114.9
6	1,385.1	916.4	4,136.8	956.3	1,461.7	1,673.3	2,351.9	1,637.9	2,491.4	156.9	1,207.5	1,958.5
7	1,343.4	1,895.8	1,271.4	1,446.8	1,466.6	1,088.6	741.3	3,732.1	1,570.0	906.7	961.2	1,394.1
8	4,310.2	1,165.5	1,120.2	1,413.1	1,821.2	1,705.1	1,192.0	1,512.0	2,456.6	928.2	1,054.0	2,345.6
9	1,026.4	2,703.2	1,592.2	1,196.2	1,246.0	2,219.6	822.4	428.0	1,252.7	1,060.3	1,167.6	1,066.8
10	2,013.2	2,354.3	1,702.8	1,039.9	1,095.5	396.2	2,277.2	1,364.8	1,049.3	1,082.4	1,141.9	1,672.8
11	1,158.5	1,044.1	1,712.1	1,405.5	1,527.5	1,024.4	1,180.4	1,234.3	864.5	1,673.4	2,375.1	1,154.0
12	811.7	1,629.7	1,069.3	1,095.6	1,021.0	2,313.3	3,939.4	1,028.3	1,150.0	912.2	1,437.0	2,369.7
13	2,209.4	1,432.9	2,280.5	1,011.4	1,692.3	1,518.1	2,592.1	938.5	968.0	1,475.8	1,209.7	2,390.8
14	1,501.3	659.3	1,069.2	2,223.4	2,581.6	977.8	1,403.0	890.7	3,940.5	1,130.0	991.7	1,444.3

Stream ID	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12
15	836.7	1,053.9	1,051.6	1,300.6	1,183.4	958.5	1,438.6	2,205.9	3,950.7	2,216.0	1,453.2	2,550.5
16	1,079.5	1,790.6	3,639.5	1,484.1	2,312.9	2,524.3	1,279.8	897.2	1,232.8	1,441.1	1,024.6	1,024.6
17	935.3	2,119.4	719.8	953.8	2,723.7	1,331.8	1,244.0	1,470.9	1,616.9	1,033.1	2,247.7	1,035.1
18	1,558.4	1,416.8	997.9	3,896.0	2,249.1	2,346.4	1,027.4	2,324.9	864.5	1,650.0	1,520.8	883.7
19	1,056.0	2,527.6	1,705.3	732.1	1,782.5	827.9	1,008.5	1,048.4	1,048.2	1,201.2	1,120.6	3,937.3
20	1,096.8	1,031.8	743.4	1,780.4	1,380.8	1,305.0	1,025.6	1,106.5	919.3	1,096.4	1,139.4	1,527.6
21	1,415.7	1,074.4	1,347.9	2,194.0	1,063.7	1,069.2	753.5	1,005.7	1,094.5	1,192.6	1,446.5	2,248.2
22	970.5	2,183.1	1,016.2	2,489.5	900.4	856.7	1,665.1	1,039.9	1,230.5	1,501.5	2,239.5	1,113.3
23	1,232.3	1,448.2	1,323.3	993.3	1,673.6	1,436.0	981.6	2,315.1	2,825.3	814.7	2,340.1	1,914.8
24	707.2	1,778.4	3,809.1	1,096.2	955.8	2,326.8	882.0	1,238.4	1,527.4	2,551.8	1,297.5	1,045.5
25	4,239.9	2,273.4	977.1	1,106.7	1,032.9	1,290.5	1,885.3	1,736.5	1,065.6	1,619.6	1,225.8	1,556.4
26	821.9	3,687.7	924.2	1,440.0	2,284.2	1,726.7	962.0	1,041.3	1,036.6	1,165.3	1,781.7	1,147.4
27	1,701.1	1,903.5	1,021.2	2,328.2	960.1	2,082.8	1,045.1	2,078.2	1,668.3	1,136.3	952.2	1,401.3
28	2,549.1	1,004.0	1,054.4	1,700.3	928.5	1,096.5	1,119.0	1,181.6	1,315.4	1,055.5	1,006.4	2,358.7
29	2,598.3	776.8	1,447.9	1,027.0	2,034.6	1,556.8	1,296.7	3,723.1	3,052.8	1,096.2	1,209.9	2,084.0
30	1,354.7	1,108.9	1,981.5	1,263.7	2,117.3	1,176.3	1,152.7	985.9	1,225.4	1,617.4	1,051.5	815.3
31	2,286.1	1,121.9	2,066.3	1,725.5	1,166.7	1,049.8	1,534.4	947.5	3,628.3	883.5	2,313.8	1,105.0
32	1,134.1	988.9	913.8	2,044.6	1,158.3	1,370.1	1,731.8	2,804.9	1,634.1	949.7	718.9	3,713.9
33	1,001.1	2,778.5	1,119.4	1,148.3	2,280.4	998.5	1,381.8	781.6	1,238.9	1,549.9	2,056.3	1,837.0
34	1,501.7	999.4	1,919.6	1,944.3	1,134.1	1,955.5	1,378.8	1,117.3	1,425.8	1,634.1	2,759.9	936.8
35	961.4	1,448.6	880.0	1,705.3	2,280.0	1,109.0	967.4	1,924.9	1,008.4	2,326.8	1,138.7	1,622.5
36	1,225.1	1,043.6	1,134.0	1,907.3	1,944.4	1,391.8	2,794.2	1,152.6	1,467.1	965.9	975.0	1,326.3
37	969.7	1,143.9	936.4	1,058.2	2,883.7	2,110.5	1,377.4	1,571.1	2,347.9	1,225.7	1,610.7	1,159.7
38	1,797.4	1,469.2	1,210.5	2,779.2	3,633.0	2,247.8	1,600.8	1,065.3	1,069.1	972.9	1,895.8	1,056.9
39	1,007.1	1,027.7	1,351.3	1,505.5	1,432.4	1,862.6	3,629.6	999.8	707.2	1,042.4	1,149.4	1,049.5
40	1,949.7	1,767.2	2,131.0	2,327.3	1,317.3	953.3	1,039.9	1,056.5	1,415.5	1,119.6	1,605.1	1,186.9
41	907.6	3,621.4	1,653.8	1,336.8	1,106.4	1,774.6	1,262.6	1,928.7	3,084.9	976.0	1,466.6	1,103.7
42	1,294.0	1,701.6	3,437.3	1,052.9	1,887.8	2,059.2	1,595.1	819.9	1,132.0	1,067.4	1,937.9	1,108.8
43	938.1	1,839.8	1,159.3	950.9	1,537.2	1,373.5	1,330.6	979.1	2,279.9	1,990.8	1,344.3	1,330.2
44	1,963.2	727.4	1,159.4	2,736.6	3,637.8	1,901.4	1,845.0	1,510.2	1,571.0	1,225.8	1,080.8	1,670.0
45	880.4	1,433.9	1,322.8	1,041.1	1,499.7	1,717.3	974.1	1,448.6	1,229.2	1,298.2	1,151.7	2,452.6
46	1,336.3	1,475.2	1,342.8	2,706.5	859.8	1,936.2	2,061.7	977.6	1,592.3	1,207.8	1,520.3	1,389.3
47	1,405.2	939.7	3,579.5	1,128.0	1,473.2	1,927.7	2,194.8	1,605.1	2,310.2	1,555.8	922.7	1,415.5
48	1,048.2	1,711.2	1,306.5	1,995.3	1,294.9	984.3	775.1	3,180.5	1,295.1	841.1	1,153.4	1,075.0
49	3,792.9	1,036.5	1,212.2	1,613.1	1,905.2	1,426.9	1,010.8	1,878.6	2,208.7	860.1	1,002.0	1,992.4
50	721.4	2,744.2	1,867.8	1,346.2	1,263.1	2,041.5	908.9	1,774.4	1,037.4	1,191.5	910.2	1,220.2
51	1,878.4	2,052.4	1,586.8	1,092.0	1,074.9	1,741.7	2,014.5	1,279.9	1,213.6	1,151.7	1,092.9	1,987.4
52	1,129.1	1,229.7	1,298.7	1,660.4	1,369.4	1,114.0	1,106.7	976.5	718.2	1,985.2	1,907.9	1,577.6
53	2,167.5	1,389.3	1,213.6	1,157.6	1,330.5	1,891.1	3,381.9	1,117.0	984.6	986.8	1,601.1	2,159.1
54	1,857.5	1,451.0	2,027.8	984.0	1,733.6	1,643.0	2,714.2	971.9	1,084.4	1,880.5	1,117.1	2,130.3
55	1,903.2	2,023.2	1,205.7	1,938.2	2,473.3	1,075.2	1,578.4	781.2	3,421.7	976.4	1,243.8	1,366.9
56	960.0	1,024.4	1,108.8	1,332.7	1,020.1	1,083.9	1,680.5	2,043.0	3,403.7	2,152.2	1,878.3	1,953.6
57	2,434.8	1,706.6	3,200.3	1,379.8	2,124.3	2,438.1	1,183.5	810.7	1,586.6	1,030.1	1,448.3	1,006.7
58	961.3	2,038.8	2,143.2	953.8	2,444.1	1,321.6	1,134.1	1,458.3	1,787.6	1,089.8	1,917.3	1,045.4
59	1,381.6	1,643.1	1,031.6	3,315.0	2,081.3	2,063.3	1,106.4	1,999.2	717.6	1,586.8	1,863.1	1,004.5
60	995.8	2,105.0	1,756.0	2,154.7	1,874.8	707.2	1,002.0	1,130.2	1,169.2	918.1	1,124.7	3,366.5
61	1,346.3	1,206.2	771.0	1,874.8	1,159.7	1,288.5	1,023.1	1,069.1	884.5	1,434.4	972.9	1,395.5
62	1,522.3	1,135.7	1,285.8	2,105.8	1,433.9	1,173.8	776.6	957.3	1,064.2	979.1	1,546.6	2,056.6
63	1,140.4	1,997.8	1,195.8	1,919.5	1,411.4	951.3	1,272.5	785.2	1,264.3	1,867.0	2,139.3	1,508.5
64	1,427.0	2,248.5	1,305.8	1,276.6	1,021.3	1,183.4	1,148.4	2,360.6	2,797.0	770.0	1,278.7	2,208.0
65	745.0	1,469.2	3,309.4	915.2	908.9	2,042.9	2,253.8	1,144.9	1,680.2	2,498.1	1,206.2	1,624.1

Stream ID	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12
66	3,714.1	1,499.4	1,433.0	1,046.5	1,072.3	1,137.5	1,977.0	1,345.2	1,951.3	2,035.2	1,423.9	1,368.6
67	884.5	3,266.3	754.6	1,553.1	2,008.6	1,262.6	1,112.1	1,271.8	1,201.4	980.7	1,729.7	1,235.2
68	1,306.7	1,783.4	1,488.8	1,480.3	1,075.3	2,405.9	1,337.8	2,042.2	2,339.7	974.1	1,240.4	1,213.8
69	2,475.9	1,104.8	1,332.0	1,473.5	886.8	969.5	1,202.4	1,221.4	1,320.1	2,298.9	1,140.3	2,078.0
70	2,579.2	780.7	1,419.4	1,479.3	1,375.2	2,042.7	1,328.6	3,276.4	2,771.3	2,344.5	1,155.1	1,797.1
71	1,598.2	1,601.9	1,706.6	1,181.8	1,975.1	1,121.9	2,414.6	1,097.6	1,380.0	1,984.2	1,027.4	909.4
72	2,274.5	2,380.4	1,949.7	1,548.7	1,279.8	1,229.3	2,391.2	1,577.7	3,551.6	1,041.2	1,295.1	1,178.4
73	1,473.7	1,116.2	1,153.4	2,016.1	1,416.6	1,195.0	1,298.5	2,496.5	1,272.1	1,220.1	750.2	3,247.0
74	1,520.4	2,490.5	1,416.4	1,151.9	2,258.9	1,220.9	2,127.2	843.5	1,504.0	1,195.0	2,020.1	1,352.9
75	2,890.5	1,468.0	1,980.7	1,791.6	1,324.3	2,391.3	1,271.4	1,242.2	1,271.7	1,466.6	2,340.3	972.5
76	1,095.0	1,301.2	914.2	1,415.4	2,433.9	1,089.5	1,136.9	1,800.4	1,326.3	1,460.7	1,005.4	1,329.6
77	1,675.2	1,204.9	1,217.9	1,915.9	1,845.1	1,174.8	2,454.9	1,043.2	2,639.3	1,327.4	1,070.1	1,286.3
78	1,288.3	1,203.0	940.3	1,488.7	2,503.2	1,460.6	1,195.0	1,392.0	2,454.8	1,322.9	2,105.1	1,146.8
79	2,316.3	1,061.5	1,480.6	2,503.2	3,158.3	2,410.5	1,409.8	1,121.1	1,578.0	1,057.5	1,723.9	1,482.7
80	1,441.8	1,248.9	2,596.8	1,546.6	1,962.2	1,743.4	3,229.3	953.5	757.2	979.1	1,119.0	1,172.8
81	2,326.8	844.9	2,337.8	1,294.1	1,034.5	1,136.4	1,173.7	1,689.2	1,467.1	1,042.6	2,388.9	1,750.5
82	841.1	3,233.6	1,310.4	1,488.3	1,173.8	1,713.5	1,267.0	1,906.8	2,434.6	1,229.6	1,294.9	1,446.5
83	1,218.2	1,288.8	3,046.4	1,254.4	1,886.3	2,135.9	2,037.4	833.3	976.5	1,395.2	1,735.0	1,434.4
84	951.7	1,342.5	1,189.1	1,195.8	1,423.0	2,615.4	1,376.6	1,159.6	2,624.9	2,089.7	1,267.0	1,139.0
85	2,482.0	809.1	1,536.1	2,378.7	3,235.8	1,925.1	2,056.0	2,683.9	1,655.4	1,405.5	1,387.1	1,315.8
86	1,083.9	1,578.4	1,208.8	1,114.3	2,763.0	1,298.2	1,036.8	1,355.8	1,285.1	1,069.8	1,194.1	2,616.8
87	1,973.9	852.2	1,207.4	2,290.9	942.7	1,989.2	1,863.3	975.5	2,200.8	1,084.8	1,330.7	1,077.6
88	1,420.0	934.0	3,024.2	1,062.4	1,272.5	1,703.5	1,751.4	2,005.0	2,425.1	2,940.7	1,151.0	1,235.5
89	1,166.2	1,511.7	1,081.4	2,375.0	1,032.4	936.5	842.9	2,862.4	1,186.0	850.0	1,297.1	1,568.2
90	3,388.5	1,034.5	1,421.4	1,240.4	1,754.6	1,162.2	1,308.6	2,027.5	2,629.4	809.4	1,246.7	1,432.5
91	797.7	2,299.3	2,123.3	1,429.8	1,273.3	2,516.1	883.0	3,006.9	1,074.0	1,424.7	1,117.6	1,267.8
92	2,100.7	1,304.8	1,143.3	1,244.0	1,681.9	3,019.2	2,541.2	1,319.6	1,676.2	1,412.4	924.9	1,837.2
93	1,061.8	1,272.7	1,304.0	1,429.8	1,115.2	1,162.8	1,120.4	1,166.4	737.5	1,829.0	1,498.5	1,468.8
94	3,461.0	1,210.3	1,190.3	1,299.8	1,468.1	1,326.9	3,065.5	1,106.2	1,117.6	1,227.0	1,385.8	2,519.2
95	1,542.2	1,069.4	2,057.8	1,429.6	1,241.1	1,300.3	2,118.6	985.5	1,143.9	2,100.7	1,425.1	2,542.7
96	2,386.3	3,352.2	1,270.7	1,995.4	1,974.9	1,514.5	1,275.0	857.6	3,084.8	906.6	1,394.2	1,228.9
97	951.1	1,174.8	1,361.8	1,310.3	1,434.4	1,111.9	1,415.1	1,987.8	3,095.3	2,402.9	2,024.8	1,516.5
98	3,786.1	1,500.7	3,089.3	1,195.3	1,888.5	2,024.7	1,137.7	878.6	1,415.1	1,201.2	1,402.4	895.8
99	883.0	2,348.5	3,409.6	1,267.8	2,073.5	1,222.3	1,411.7	1,106.6	2,303.0	1,118.0	1,990.5	1,468.8
100	1,064.0	1,434.8	1,117.3	3,062.4	1,980.8	1,296.7	1,246.0	2,541.4	843.1	1,215.2	2,100.7	1,064.5
101	1,982.8	1,294.1	1,032.7	3,422.4	1,500.7	842.5	1,560.2	1,137.1	1,561.1	1,233.6	970.5	3,422.2
102	1,630.9	1,314.1	893.9	1,687.2	1,018.9	1,091.5	1,141.1	1,967.0	1,012.7	1,698.4	1,037.6	1,434.3
103	1,891.7	1,898.8	991.6	2,264.0	1,698.6	1,422.4	934.8	1,024.7	1,065.7	1,393.1	1,036.8	2,103.4
104	1,109.2	1,955.1	1,158.3	1,287.4	1,571.4	1,028.4	1,094.3	858.4	1,213.0	2,322.0	2,313.3	1,490.4
105	1,558.5	2,315.8	1,133.4	1,146.0	998.5	1,057.8	1,666.4	2,323.1	2,350.7	809.9	1,329.9	1,597.0
106	767.0	1,261.4	2,996.4	1,079.9	951.3	1,299.4	3,564.0	1,412.5	1,420.9	2,228.6	1,227.1	1,195.8
107	3,408.9	1,294.6	1,133.3	1,053.0	1,357.8	1,132.4	1,915.5	1,097.8	2,211.8	2,307.7	1,426.2	1,366.0
108	920.5	2,929.0	807.2	1,423.1	1,969.7	1,236.6	1,116.8	1,267.8	1,467.9	1,078.2	1,506.7	1,325.2
109	1,282.7	1,499.0	1,440.7	1,313.3	1,115.2	2,255.2	1,458.4	2,012.6	2,356.0	974.0	1,242.5	1,322.2
110	2,156.8	1,122.1	1,389.8	1,147.2	891.8	1,043.2	1,483.7	1,384.1	1,054.6	3,609.6	1,978.2	2,054.7
111	2,676.4	946.9	1,662.2	1,923.2	1,096.0	2,214.0	1,102.3	2,980.7	2,497.2	3,651.3	1,459.2	1,664.1
112	1,817.9	1,753.7	1,460.7	1,123.3	1,999.6	964.4	3,714.9	1,299.9	1,446.5	2,335.5	1,211.1	985.0
113	2,267.3	3,661.0	1,733.0	1,540.7	1,331.1	1,357.7	2,270.2	1,726.8	3,142.0	986.0	1,293.0	1,193.4
114	1,724.2	1,601.5	1,466.1	1,854.5	1,595.4	866.2	1,120.6	2,103.2	923.0	1,158.3	825.0	3,160.5
115	2,007.3	2,042.8	1,417.0	1,309.9	2,268.9	1,255.5	2,343.2	869.2	1,389.3	1,207.2	1,936.4	1,204.7
116	4,169.2	1,675.2	1,765.8	1,565.0	1,423.0	2,267.0	1,173.6	1,250.2	1,421.3	1,111.0	2,192.7	881.8

Stream ID	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12
117	1,077.0	1,327.7	886.9	1,050.0	2,266.5	965.9	1,359.8	1,554.1	1,628.1	1,286.9	1,609.1	1,184.0
118	1,793.4	1,233.0	1,296.3	1,787.4	1,535.0	864.8	2,155.4	1,056.8	3,923.4	1,114.6	1,098.4	1,647.4
119	1,232.8	1,338.9	1,008.6	1,535.8	2,020.4	1,184.3	1,120.8	1,223.9	2,518.5	1,475.3	2,250.6	1,204.2
120	2,679.9	1,049.4	1,559.3	2,210.0	3,061.0	2,353.4	1,093.7	1,208.4	1,744.7	1,159.9	1,566.6	2,115.4
121	1,776.0	1,744.3	3,937.9	1,417.5	2,317.6	1,460.8	3,032.0	994.6	1,076.2	1,113.4	1,068.8	1,747.2
122	2,215.9	748.8	2,480.0	1,000.4	1,072.6	1,117.2	1,245.4	1,739.7	1,235.8	1,037.6	2,207.8	1,396.4
123	986.8	2,948.0	1,031.1	1,553.6	1,176.5	1,600.0	1,249.9	1,353.3	2,418.0	1,255.1	1,069.8	1,616.3
124	971.7	829.7	2,729.0	1,911.5	1,733.1	2,248.3	2,308.3	909.9	1,187.9	1,669.8	1,550.6	1,478.8
125	869.8	981.2	1,189.4	1,281.5	1,037.4	3,953.0	1,578.3	1,443.5	2,550.6	2,250.8	1,212.3	1,067.5
126	2,630.2	876.4	1,922.6	2,155.4	2,974.1	1,777.9	2,360.2	3,993.0	1,237.5	1,550.8	1,700.3	1,175.7
127	1,311.2	1,473.4	1,018.8	1,133.8	3,992.0	961.2	1,107.7	1,181.7	1,770.3	742.2	1,335.0	2,404.2
128	2,051.6	754.5	874.0	2,275.2	919.1	1,739.4	1,630.0	1,044.0	2,191.6	969.3	1,128.6	1,134.6
Min	139.7	4.4	6.5	7	35.2	5.1	31.7	20	97.2	19.9	10.9	17.2
Avg	1,640.0	1,565.7	1,583.6	1,577.3	1,653.0	1,531.3	1,564.7	1,463.2	1,697.9	1,382.4	1,428.4	1,574.1
Max	4,310.2	3,687.7	4,136.8	3,896	4,224.6	3,953	3,939.4	3,993	3,950.7	3,651.3	2,759.9	3,937.3

Stream ID	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20	Q21	Q22	RF1	RF2
0	60.3	4.9	6.1	9.2	32.9	128.3	41.6	10.1	128.8	16.0	17.4	18.4
1	1,577.8	880.6	1,128.0	1,476.4	1,400.5	2,712.7	1,113.0	2,270.5	387.8	1,054.6	61.2	19.2
2	1,440.5	2,965.0	1,309.1	2,061.3	3,559.9	1,279.7	2,107.0	1,265.0	1,331.6	1,486.9	23.4	18.8
3	1,116.8	1,199.1	1,566.4	1,047.1	1,836.0	2,239.1	1,144.5	1,584.6	809.8	1,361.6	18.7	19.4
4	1,012.7	2,723.3	1,694.5	1,078.6	1,605.0	997.4	2,308.6	1,097.6	4,175.8	1,078.1	18.0	18.3
5	1,209.9	956.3	3,929.8	1,587.2	1,267.4	2,442.1	2,370.2	1,237.4	409.5	1,535.9	16.9	18.5
6	2,266.2	1,159.4	2,776.2	748.1	1,251.4	1,075.9	1,278.2	1,265.9	1,119.5	1,438.6	17.3	18.4
7	1,324.2	1,017.3	1,325.9	1,170.3	2,389.0	646.7	1,308.0	2,680.0	2,635.3	2,310.1	16.6	18.5
8	984.9	946.5	2,530.4	1,071.0	2,311.3	1,326.3	355.1	1,567.3	1,011.6	876.6	16.4	17.9
9	3,908.2	906.5	1,426.2	1,250.9	1,725.0	1,148.5	1,457.0	2,288.0	2,363.7	1,560.5	16.6	18.3
10	1,149.0	1,559.3	3,951.5	854.8	2,297.0	2,691.7	1,071.2	920.4	1,450.0	985.9	17.2	21.7
11	1,142.7	3,890.1	446.0	2,232.9	2,300.6	2,699.1	1,362.9	1,636.6	827.6	1,087.8	17.0	18.1
12	942.8	1,349.5	1,072.6	2,554.4	2,351.3	1,706.9	1,273.8	1,702.1	835.6	1,563.6	16.5	18.4
13	1,149.7	836.3	1,380.7	1,106.4	3,763.3	1,043.2	1,160.1	918.8	702.1	2,320.4	17.2	19.7
14	1,577.1	878.7	2,554.4	1,000.4	1,249.8	1,829.2	1,877.4	2,229.7	1,113.1	1,006.9	16.6	21.2
15	803.4	1,848.5	1,411.5	685.2	2,543.7	1,193.5	1,535.9	1,124.0	1,186.2	1,448.6	16.5	21.0
16	1,100.0	2,301.8	1,692.3	1,544.3	1,032.6	1,085.0	1,229.8	1,160.0	1,002.0	2,412.6	16.7	21.1
17	717.6	1,514.8	2,344.7	3,913.8	1,608.9	1,009.5	1,285.6	1,158.0	2,086.1	1,186.0	17.4	18.6
18	2,476.0	716.6	1,114.6	1,215.1	1,241.0	1,016.2	1,020.3	1,118.1	2,000.8	1,323.0	16.5	19.3
19	870.3	2,223.2	1,509.6	2,259.8	1,492.4	967.6	1,424.5	1,060.2	1,622.4	2,558.6	16.7	20.9
20	2,365.5	2,516.6	3,920.8	754.9	1,285.1	2,302.2	2,492.7	1,710.0	1,016.8	1,543.8	16.8	18.6
21	929.7	3,864.3	1,804.5	1,382.9	1,582.6	1,666.9	2,647.7	779.5	2,537.2	1,028.5	16.6	18.1
22	2,527.8	3,851.8	1,114.6	801.3	1,299.8	1,406.0	1,650.7	1,037.4	1,869.6	1,214.5	17.4	18.4
23	1,151.9	2,032.4	3,625.8	1,486.0	1,116.4	1,188.4	1,055.2	1,114.7	1,096.3	1,009.9	16.7	18.2
24	1,821.1	2,263.2	1,077.0	1,027.4	1,210.1	2,302.4	1,324.7	1,026.2	1,720.1	1,475.0	17.2	18.4
25	2,745.3	2,098.4	1,020.7	1,972.1	821.7	881.8	1,107.7	967.0	1,571.0	1,427.6	16.6	21.3
26	1,020.8	2,441.4	1,178.3	1,059.7	1,386.0	1,046.6	1,584.7	2,203.4	1,501.9	2,563.0	16.7	18.2
27	1,150.0	893.3	1,629.7	895.6	3,868.0	812.4	1,080.9	1,341.2	2,855.4	1,487.5	16.7	18.4
28	1,861.4	1,140.2	1,549.9	1,513.5	915.8	1,390.7	1,113.8	2,352.0	2,268.4	3,699.7	16.6	18.6
29	1,293.0	951.7	899.3	1,208.1	1,409.1	1,902.1	1,219.2	1,077.3	1,235.8	1,362.8	16.6	18.3
30	2,267.7	1,311.9	1,203.1	1,439.6	3,678.7	2,093.9	1,419.4	1,241.2	1,341.7	2,829.4	16.3	18.2
31	864.5	1,362.1	1,130.0	1,015.7	1,722.8	1,566.2	1,176.4	1,439.8	2,820.9	1,110.0	16.3	20.4
32	1,590.4	1,130.1	1,188.7	2,268.1	2,194.3	1,124.3	1,440.9	1,085.6	933.0	2,034.4	16.4	18.2
33	907.6	2,319.8	1,230.9	3,630.3	1,991.1	1,246.6	1,136.4	962.3	1,413.1	1,276.7	16.5	18.2

Stream ID	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20	Q21	Q22	RF1	RF2
34	3,633.9	2,080.3	1,052.4	995.1	1,319.8	1,483.7	1,352.8	751.1	1,956.6	1,045.0	16.1	18.8
35	1,150.0	1,224.0	1,288.2	1,399.7	3,678.9	818.4	1,126.4	1,981.9	1,083.9	2,859.7	16.4	21.0
36	1,588.5	770.4	934.8	1,079.0	3,605.2	2,276.6	1,168.5	1,687.6	2,106.0	1,573.8	16.5	18.3
37	1,313.7	3,564.4	1,042.4	784.8	1,725.3	1,010.3	1,992.9	999.3	1,360.1	1,979.2	16.4	17.9
38	1,235.8	1,953.1	1,206.3	2,094.4	986.3	1,288.5	839.9	1,338.1	1,712.2	1,051.8	17.0	18.4
39	1,756.1	2,806.5	1,964.1	1,236.5	1,135.2	1,016.9	1,533.5	2,125.0	2,624.8	1,323.0	16.8	18.3
40	1,351.1	1,614.5	3,551.1	961.8	2,899.6	723.7	1,118.1	1,045.1	1,193.6	1,958.4	17.0	18.3
41	942.1	1,363.4	740.4	1,392.2	1,995.1	2,088.5	1,316.4	2,050.1	1,090.6	1,189.9	16.4	18.4
42	1,363.7	938.4	1,208.8	1,601.9	1,031.9	2,735.3	1,196.5	2,349.2	1,712.9	1,053.3	16.9	18.3
43	1,450.7	2,713.4	1,083.1	1,991.4	3,696.1	717.6	2,124.2	1,166.0	1,041.3	1,217.4	16.4	18.3
44	1,099.0	1,012.2	1,377.6	1,075.1	2,088.3	2,089.4	1,252.0	1,763.5	955.6	1,070.2	16.9	18.7
45	1,232.6	2,779.5	2,010.4	1,385.2	2,029.9	763.1	2,106.7	998.4	3,483.5	1,176.3	16.4	18.5
46	1,203.1	1,033.6	3,348.6	2,017.4	1,333.0	1,802.5	2,349.2	1,221.2	1,840.8	1,011.8	17.4	18.4
47	1,902.2	975.9	2,733.8	726.9	1,382.6	1,111.0	1,314.4	1,110.8	1,268.2	1,693.2	16.6	21.3
48	1,477.9	1,106.4	1,262.6	1,275.2	1,937.4	2,011.4	1,319.3	2,729.2	2,297.3	2,283.7	16.5	18.4
49	1,220.1	1,040.6	2,428.0	1,353.2	2,019.9	1,279.8	1,728.5	1,386.3	1,092.0	799.7	17.0	18.2
50	3,372.5	1,107.8	1,341.7	1,014.9	2,072.6	1,148.7	1,770.1	1,928.1	2,009.1	1,508.2	16.3	18.6
51	1,007.8	1,376.8	3,417.6	719.0	2,003.9	2,723.8	1,203.7	963.2	1,600.4	1,178.1	16.6	18.3
52	1,029.8	3,367.5	1,790.1	2,163.0	2,006.1	2,725.4	1,422.3	1,886.0	908.9	1,186.7	16.4	18.2
53	942.3	1,290.6	1,085.0	2,462.3	2,089.5	1,777.0	1,464.4	1,474.8	697.0	1,975.4	16.6	18.4
54	1,124.8	742.3	1,360.2	951.4	3,151.5	1,136.9	1,109.7	988.6	2,127.0	1,987.0	16.5	18.4
55	1,376.8	1,134.2	2,087.1	1,115.5	1,032.5	1,998.1	1,766.2	2,034.6	1,151.7	944.9	16.9	18.2
56	953.8	1,817.8	1,415.5	2,048.4	2,579.3	1,057.1	1,327.7	746.0	913.8	1,782.6	16.8	20.8
57	1,215.1	2,217.0	1,260.6	2,004.7	1,171.1	963.3	1,461.3	1,167.8	1,567.9	1,901.7	16.6	18.0
58	710.3	1,647.5	2,119.1	3,330.7	1,676.6	962.8	1,146.8	1,154.0	2,019.0	1,189.9	16.4	18.2
59	2,461.5	2,141.2	984.6	1,049.3	1,100.4	1,274.8	1,213.6	1,177.8	1,874.7	1,303.2	16.7	18.3
60	955.8	1,999.5	1,860.4	1,966.6	1,712.5	946.9	1,434.9	1,068.8	1,397.0	2,478.1	16.6	18.3
61	2,028.1	2,429.6	3,368.1	2,172.3	1,415.2	2,087.0	2,048.6	1,327.5	1,235.8	1,961.7	16.6	18.3
62	1,057.7	3,352.0	1,870.8	1,188.1	1,991.4	1,293.1	2,056.4	2,183.8	2,413.3	1,278.6	16.5	18.3
63	2,582.3	3,326.4	1,017.9	2,221.3	1,181.6	1,650.4	1,362.8	1,264.5	1,762.6	945.7	16.8	19.9
64	1,152.3	1,862.2	3,404.6	1,208.3	1,527.8	2,182.7	964.9	990.7	1,291.5	1,224.7	16.4	18.0
65	1,838.7	1,976.1	1,361.9	1,615.7	1,313.0	2,009.3	1,094.5	1,149.3	1,879.6	1,472.3	16.6	19.2
66	2,450.3	2,395.8	1,415.1	1,804.4	929.7	2,220.3	1,238.0	892.4	1,420.8	1,158.3	16.6	18.4
67	2,367.0	1,830.2	980.4	1,125.2	1,368.1	1,440.5	1,556.2	2,244.4	1,981.2	2,553.7	16.5	18.9
68	1,153.4	2,233.3	1,195.1	886.1	3,380.1	763.2	1,061.3	1,297.4	2,451.1	1,377.2	16.9	18.2
69	1,705.4	979.1	1,333.8	1,559.3	800.2	1,984.4	1,327.1	1,868.0	2,208.3	3,363.7	16.6	19.2
70	1,251.6	1,007.1	951.7	1,066.4	1,523.9	1,969.1	1,327.5	1,063.4	1,195.8	1,476.1	16.6	18.3
71	2,208.8	1,107.1	1,415.2	1,050.5	3,304.6	1,854.2	1,555.4	1,235.9	1,201.0	2,520.8	16.6	19.1
72	816.4	1,188.5	1,027.4	1,156.5	1,113.7	1,120.9	1,597.1	1,308.2	2,824.2	1,621.0	16.7	21.1
73	1,973.3	1,050.3	2,453.2	2,260.8	1,932.0	1,091.8	1,423.0	1,217.0	903.7	1,720.2	17.1	18.3
74	904.8	1,662.7	2,486.0	3,238.2	1,810.5	1,046.2	1,350.7	1,098.1	1,298.4	1,280.0	16.5	19.0
75	3,180.0	1,483.7	1,040.8	1,249.2	1,081.8	1,296.0	1,413.4	767.2	2,017.6	1,226.7	16.8	18.8
76	1,147.2	2,501.2	1,263.1	2,118.1	3,311.8	757.3	1,139.2	1,982.0	1,271.7	2,487.5	16.5	19.6
77	2,055.7	786.5	914.2	1,400.4	3,289.6	1,493.3	1,661.4	1,168.3	2,381.6	1,426.5	16.4	18.4
78	2,553.2	3,185.6	1,153.5	791.5	1,384.7	1,095.0	1,828.9	1,597.3	1,212.1	2,004.2	16.6	18.0
79	1,281.5	1,972.6	1,190.6	1,499.4	886.1	1,212.9	941.7	2,580.4	1,235.1	1,171.9	16.8	18.1
80	1,260.6	2,448.7	1,940.6	1,199.8	1,302.3	1,068.5	1,554.7	1,854.4	2,242.4	1,321.9	16.6	19.8
81	2,596.5	1,204.9	3,142.0	996.7	2,621.1	894.1	2,048.5	1,348.2	1,417.1	1,572.8	16.7	20.7
82	1,187.2	2,606.4	775.1	1,309.1	2,041.2	2,175.6	1,242.9	1,963.2	1,066.0	1,306.3	16.8	18.4
83	1,064.9	902.7	1,444.2	1,297.7	1,137.2	2,435.2	1,375.2	1,882.3	2,901.6	1,256.5	16.3	17.9
84	1,241.1	2,378.7	1,117.1	1,971.5	3,304.2	768.4	1,840.3	1,071.8	1,362.3	1,499.0	16.6	18.1

Stream ID	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20	Q21	Q22	RF1	RF2
85	1,057.5	1,154.2	1,106.6	1,201.2	1,820.1	1,493.2	1,377.6	1,270.8	884.3	1,110.7	16.5	18.4
86	1,158.0	2,186.1	1,693.9	1,486.0	2,108.2	827.6	2,116.9	1,985.1	3,468.3	1,326.5	16.7	18.2
87	1,423.0	1,107.4	3,005.8	2,375.3	1,394.6	1,275.6	2,363.2	1,136.3	3,116.0	1,327.4	16.8	19.0
88	1,886.3	1,205.5	2,418.0	757.5	1,335.9	1,379.4	1,171.8	1,184.8	1,472.8	1,431.0	17.1	18.4
89	1,560.2	1,186.2	1,212.3	1,383.6	1,389.9	3,340.6	1,617.0	2,231.2	2,330.6	2,315.6	16.8	18.5
90	1,288.3	1,135.5	1,974.9	1,383.3	2,041.0	1,305.8	3,068.7	1,237.1	1,168.9	871.8	16.4	18.1
91	3,098.4	1,172.8	1,069.3	1,142.7	1,840.4	1,093.4	1,579.8	1,985.2	1,296.9	1,296.3	16.9	20.1
92	1,073.9	1,105.3	3,069.8	822.7	2,000.3	2,301.1	1,502.9	902.6	1,420.9	1,156.4	16.5	22.1
93	979.4	3,002.3	3,081.4	2,432.4	1,983.0	2,306.3	1,421.1	2,021.3	884.5	1,402.1	16.6	18.2
94	885.9	1,267.0	1,114.9	2,090.1	2,013.9	1,596.9	1,170.7	1,321.5	762.0	2,079.9	16.4	18.8
95	1,033.2	768.3	1,283.2	1,291.3	3,112.1	1,164.5	1,241.8	1,300.7	3,396.6	1,350.1	16.5	20.6
96	1,083.8	1,374.3	1,294.2	1,152.3	1,360.5	1,820.0	1,401.2	2,305.5	1,421.3	869.7	16.6	19.1
97	1,195.8	1,696.5	1,152.5	3,377.7	2,069.9	1,254.2	1,161.5	785.1	1,093.8	1,364.4	16.3	18.2
98	1,325.7	2,266.9	1,134.6	2,375.1	1,221.3	1,051.3	1,481.0	1,326.7	1,951.3	1,376.7	16.5	18.3
99	769.3	1,163.7	1,367.9	3,065.5	1,357.3	1,265.9	1,535.4	1,235.6	1,687.2	1,100.7	16.6	18.0
100	2,107.2	3,388.9	906.5	1,537.4	1,177.8	1,255.0	1,587.8	1,477.5	1,687.2	1,231.1	16.8	19.7
101	850.0	1,838.4	2,404.5	2,311.6	1,413.8	1,350.1	1,385.5	1,247.1	1,057.8	2,105.4	16.7	18.5
102	1,953.4	2,052.2	3,089.9	3,443.5	1,556.8	2,515.9	1,440.4	771.9	1,139.4	2,127.4	16.8	18.2
103	1,180.1	3,086.0	1,542.9	1,099.6	2,496.1	738.8	1,446.0	3,463.7	2,076.3	1,177.1	16.6	20.3
104	2,209.8	3,069.0	1,024.4	3,484.5	1,633.0	1,401.5	1,362.7	1,196.8	1,532.7	1,153.7	16.5	18.4
105	1,324.8	1,887.3	3,075.6	1,084.7	1,649.2	3,462.4	1,153.2	1,052.2	1,412.8	1,246.6	17.0	18.2
106	1,521.1	1,952.9	1,464.4	1,332.3	1,272.9	2,274.2	1,158.6	1,137.2	2,349.0	1,160.0	16.5	18.2
107	2,106.4	2,245.8	1,560.0	1,562.8	904.5	3,483.6	1,262.5	1,024.3	1,104.9	1,225.7	16.7	18.2
108	3,652.4	1,322.2	1,073.9	1,540.0	1,312.9	1,381.9	1,177.6	2,291.6	2,363.4	2,211.2	16.4	18.1
109	1,081.2	3,574.6	1,047.9	920.2	3,058.0	734.4	1,218.2	1,315.7	2,137.0	1,471.4	16.6	18.2
110	1,463.9	1,289.1	1,201.1	1,320.7	892.1	2,353.6	1,524.8	1,333.5	2,274.5	3,002.9	16.5	18.2
111	824.9	1,043.2	971.5	1,046.9	1,139.6	1,783.8	1,399.7	1,214.1	1,088.6	1,587.3	16.5	18.2
112	2,274.3	1,181.0	1,440.2	721.7	2,977.2	1,288.3	1,859.6	1,347.2	1,003.3	2,159.5	16.4	18.3
113	861.4	1,056.0	1,054.1	1,162.4	1,029.1	1,052.4	1,604.3	1,254.4	2,395.1	1,986.7	16.4	18.3
114	2,468.6	1,024.4	3,720.1	2,258.1	1,397.3	1,189.5	1,356.3	1,186.7	1,052.8	1,516.0	16.6	18.1
115	886.7	1,266.8	3,773.5	3,099.2	1,594.9	1,057.5	1,367.3	1,172.2	1,193.5	1,237.1	16.5	20.0
116	2,803.4	1,265.8	1,125.4	1,288.6	1,163.1	1,202.1	1,414.1	845.8	2,293.7	1,347.0	16.4	18.3
117	1,285.8	3,767.7	1,252.9	2,292.0	3,113.7	831.0	1,364.4	1,858.6	1,409.0	2,155.5	16.8	18.1
118	2,246.0	881.4	1,016.2	1,686.9	3,048.2	1,272.9	2,006.2	993.4	2,305.3	1,379.1	16.5	18.1
119	3,923.0	2,948.0	1,320.9	841.0	1,109.3	1,131.6	1,625.8	1,954.3	1,106.2	1,927.5	16.5	19.4
120	1,099.9	1,710.6	1,228.2	1,028.3	1,294.3	1,119.6	990.9	3,947.6	774.8	1,446.8	16.4	19.8
121	922.9	2,057.5	1,838.9	1,504.7	1,213.6	1,116.0	1,267.9	1,323.8	2,274.3	1,128.7	16.7	18.3
122	3,937.6	1,111.8	2,940.9	990.6	2,124.7	928.0	2,041.3	1,437.6	1,577.2	1,568.6	16.2	18.9
123	1,407.5	3,946.7	827.6	1,079.1	2,209.9	2,239.1	979.7	1,716.4	1,207.5	1,547.4	16.8	18.3
124	1,051.9	988.0	1,676.8	1,062.5	1,278.9	2,187.5	1,299.4	1,317.4	4,277.9	1,402.0	16.5	18.2
125	997.4	2,171.9	1,176.9	1,781.7	3,036.1	822.4	1,692.0	1,071.1	1,793.2	1,534.4	16.9	18.7
126	1,026.2	1,420.8	1,053.3	1,326.9	1,575.3	962.0	1,292.4	843.2	985.8	1,208.3	16.6	19.6
127	981.1	2,281.5	1,460.9	1,429.5	2,315.6	907.6	1,946.4	1,972.5	3,273.6	1,332.1	16.5	18.2
128	1,577.1	1,109.0	2,749.6	2,212.3	1,406.8	961.3	2,677.3	1,159.1	4,306.8	1,476.6	16.3	20.3
Min	60.3	4.9	6.1	9.2	32.9	128.3	41.6	10.1	128.8	16	16.1	17.9
Avg	1,574.1	1,545.0	1,771.1	1,681.9	1,540.2	1,834.1	1,460.9	1,445.2	1,670.2	1,543.1	17.1	18.8
Max	3,937.6	3,946.7	3,951.5	3,913.8	3,868	3,483.6	3,068.7	3,947.6	4,306.8	3,699.7	61.2	22.1