

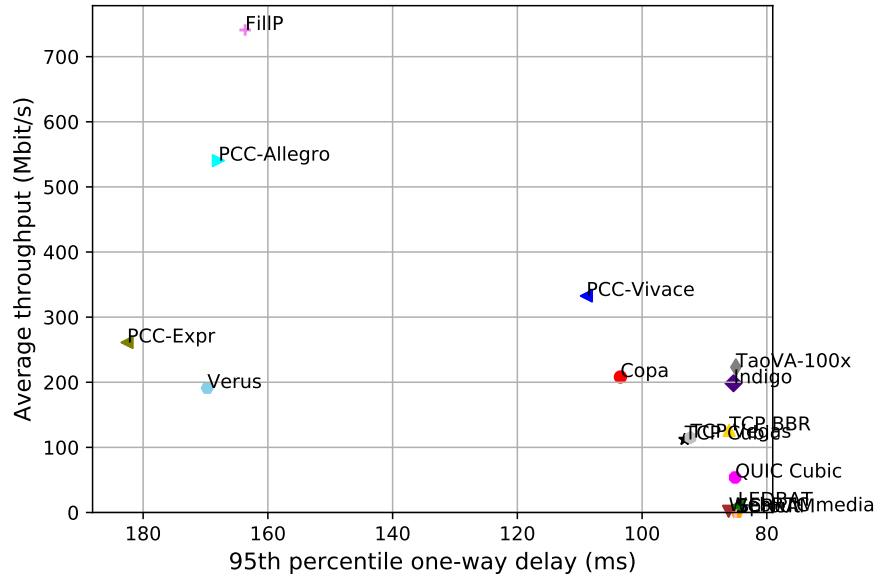
## Pantheon Report

Generated at 2018-06-05 08:08:22 (UTC).  
Data path: GCE Sydney Ethernet (*local*) → GCE Iowa Ethernet (*remote*).  
Repeated the test of 16 congestion control schemes 10 times.  
Each test lasted for 30 seconds running 1 flow.  
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).  
NTP offsets were measured against `time.google.com` and have been applied  
to correct the timestamps in logs.

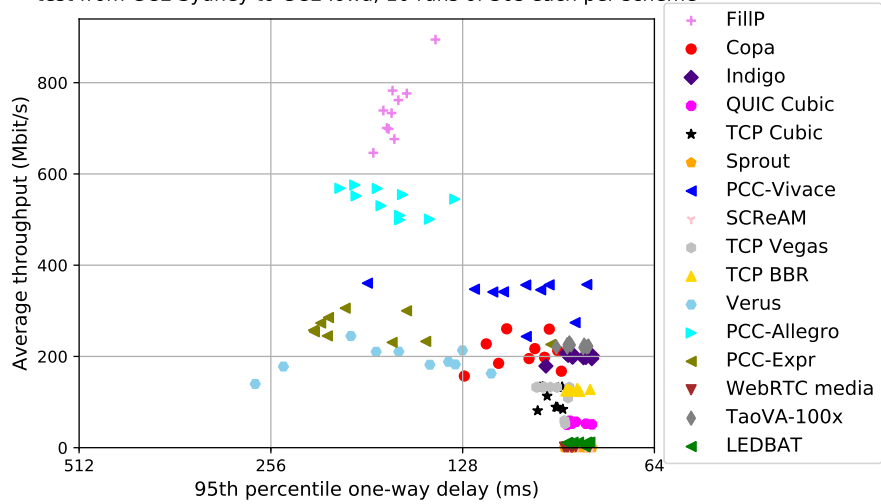
Git summary:

```
branch: master @ 227fdf9a3757f17b88537cceed5743a33037a3d2
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from GCE Sydney to GCE Iowa, 10 runs of 30s each per scheme  
(mean of all runs by scheme)



test from GCE Sydney to GCE Iowa, 10 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	126.11	86.05	0.00
Copa	10	208.06	103.48	0.03
TCP Cubic	10	112.15	93.18	0.04
FillP	10	740.95	163.64	5.47
Indigo	10	198.39	85.34	0.01
LEDBAT	10	10.29	84.67	0.00
PCC-Allegro	10	540.33	167.94	1.29
PCC-Expr	10	261.10	182.58	1.03
QUIC Cubic	8	53.78	85.08	0.00
SCReAM	10	0.22	85.01	0.00
Sprout	10	0.27	84.78	0.00
TaoVA-100x	10	223.14	84.97	0.01
TCP Vegas	10	114.96	92.25	0.02
Verus	10	191.15	169.71	1.69
PCC-Vivace	10	332.56	108.94	0.11
WebRTC media	10	1.86	86.13	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-06-05 03:23:42

End at: 2018-06-05 03:24:12

Local clock offset: 46.442 ms

Remote clock offset: -0.086 ms

# Below is generated by plot.py at 2018-06-05 06:50:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 127.94 Mbit/s

95th percentile per-packet one-way delay: 87.448 ms

Loss rate: 0.00%

-- Flow 1:

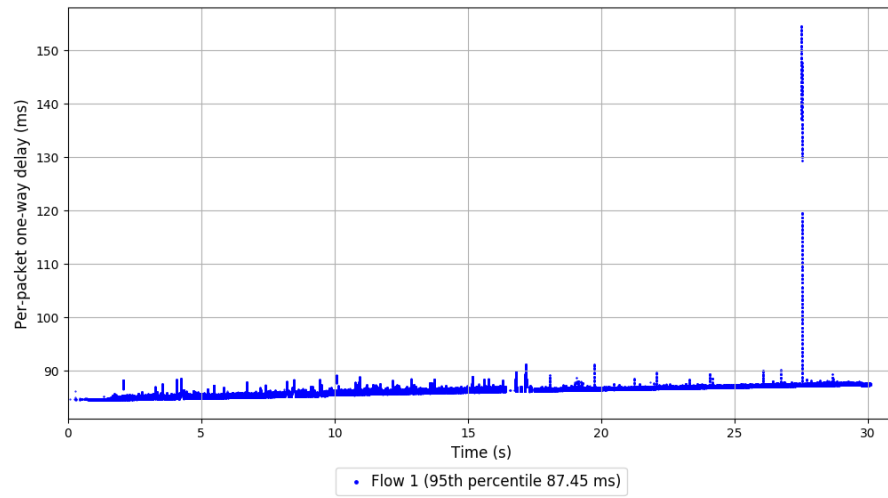
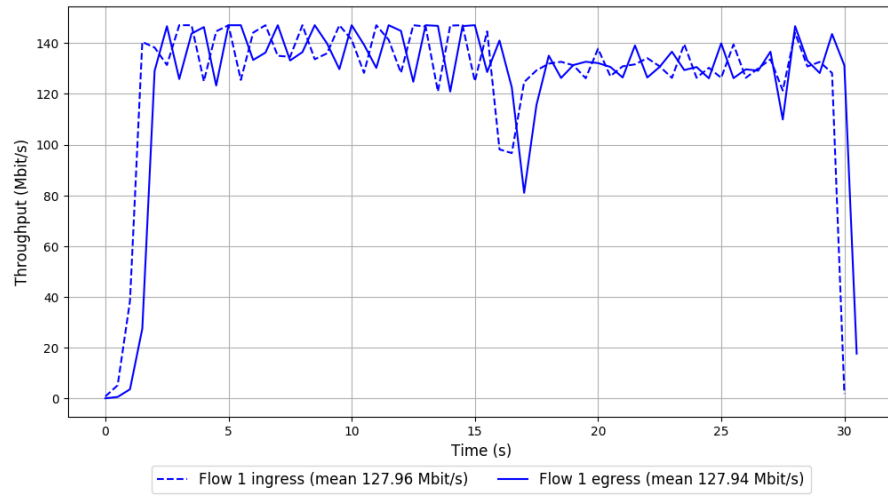
Average throughput: 127.94 Mbit/s

95th percentile per-packet one-way delay: 87.448 ms

Loss rate: 0.00%



# Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-06-05 03:44:17

End at: 2018-06-05 03:44:47

Local clock offset: 29.941 ms

Remote clock offset: 0.176 ms

# Below is generated by plot.py at 2018-06-05 06:50:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 130.00 Mbit/s

95th percentile per-packet one-way delay: 84.579 ms

Loss rate: 0.00%

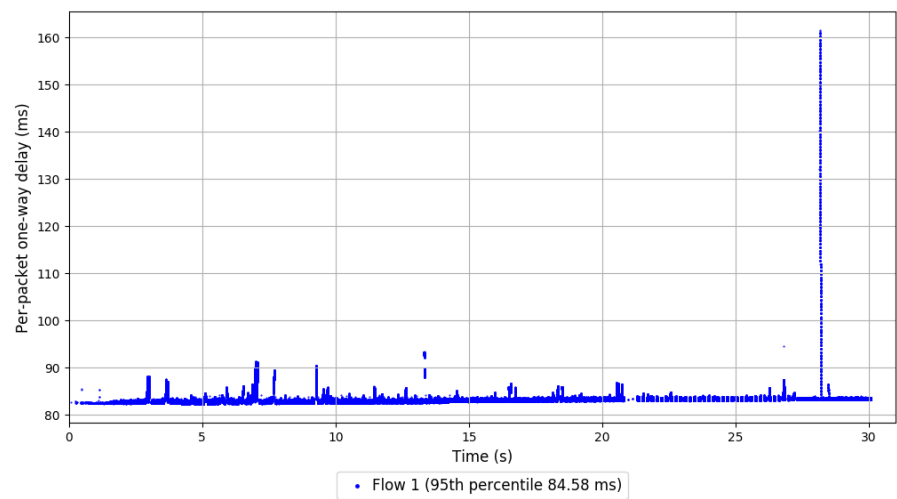
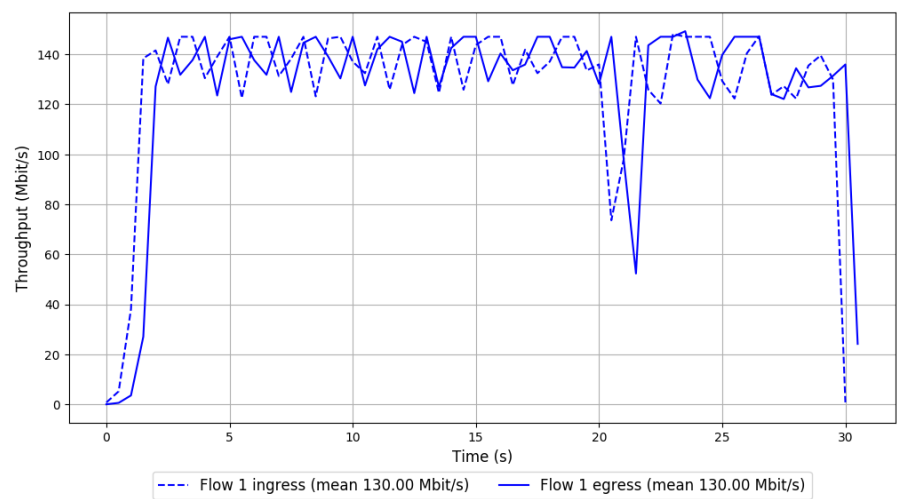
-- Flow 1:

Average throughput: 130.00 Mbit/s

95th percentile per-packet one-way delay: 84.579 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

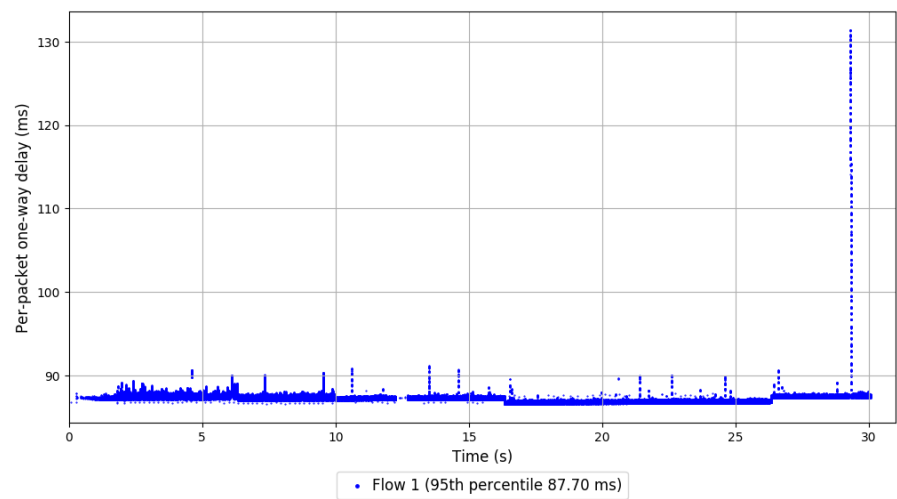
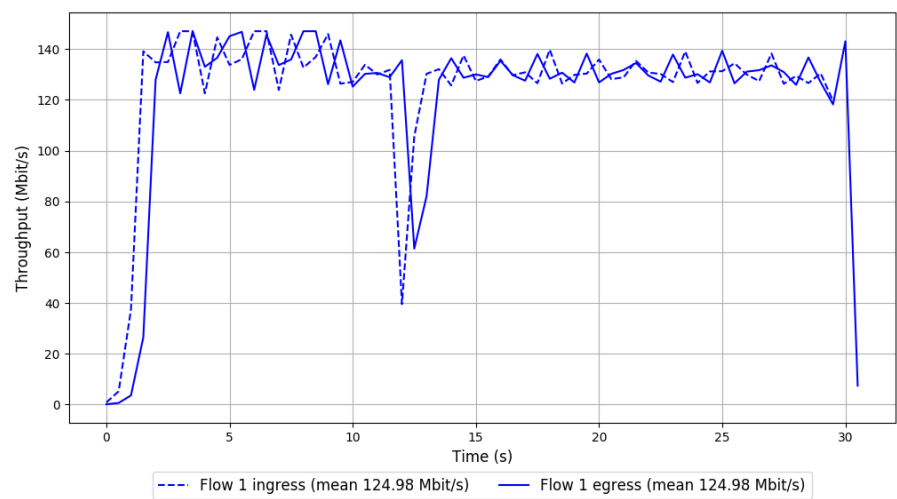


Run 3: Statistics of TCP BBR

Start at: 2018-06-05 04:05:05  
End at: 2018-06-05 04:05:35  
Local clock offset: 31.209 ms  
Remote clock offset: -0.167 ms

# Below is generated by plot.py at 2018-06-05 06:50:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 124.98 Mbit/s  
95th percentile per-packet one-way delay: 87.704 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 124.98 Mbit/s  
95th percentile per-packet one-way delay: 87.704 ms  
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-06-05 04:25:54

End at: 2018-06-05 04:26:24

Local clock offset: 56.744 ms

Remote clock offset: -0.151 ms

# Below is generated by plot.py at 2018-06-05 06:50:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 123.38 Mbit/s

95th percentile per-packet one-way delay: 83.837 ms

Loss rate: 0.00%

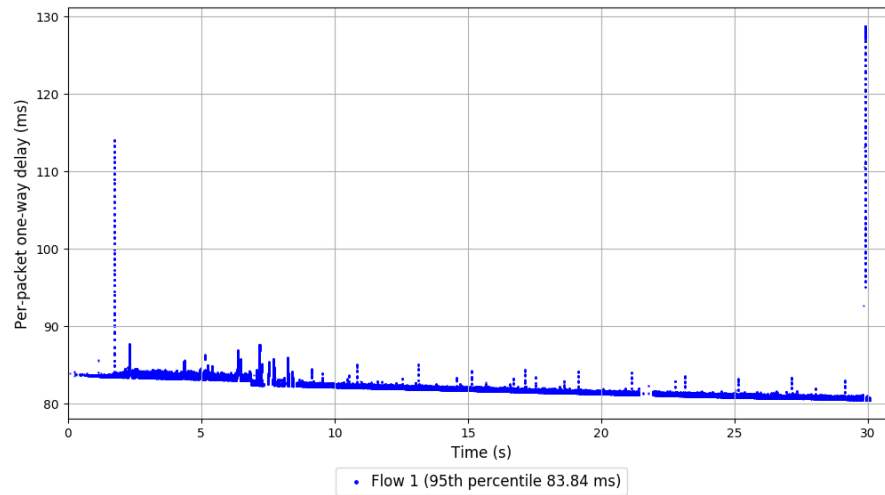
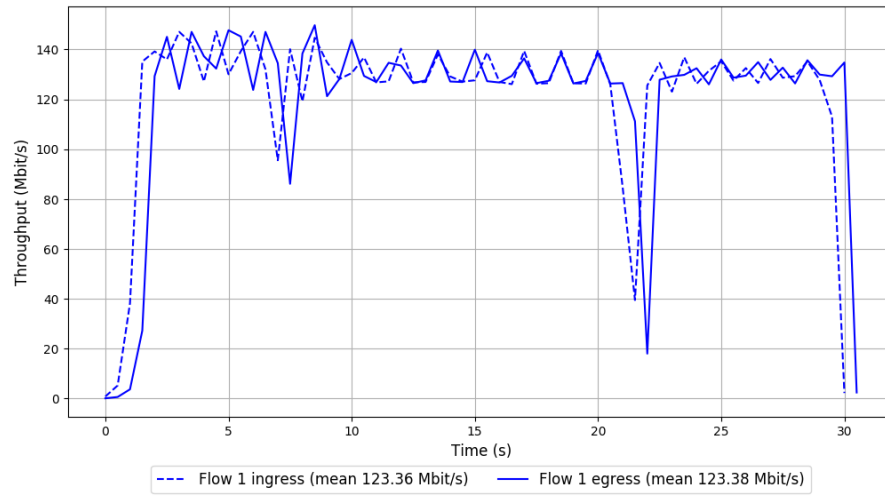
-- Flow 1:

Average throughput: 123.38 Mbit/s

95th percentile per-packet one-way delay: 83.837 ms

Loss rate: 0.00%

#### Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-06-05 04:46:47

End at: 2018-06-05 04:47:17

Local clock offset: 22.775 ms

Remote clock offset: -0.11 ms

# Below is generated by plot.py at 2018-06-05 06:50:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 125.71 Mbit/s

95th percentile per-packet one-way delay: 86.918 ms

Loss rate: 0.01%

-- Flow 1:

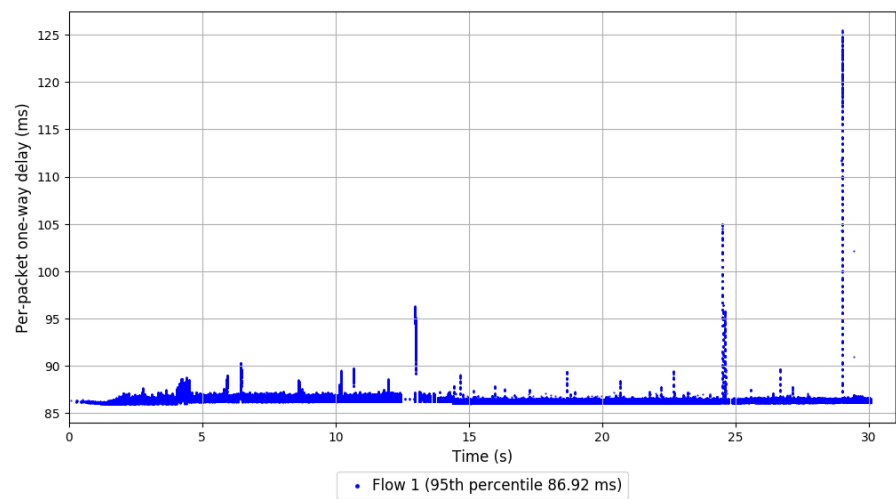
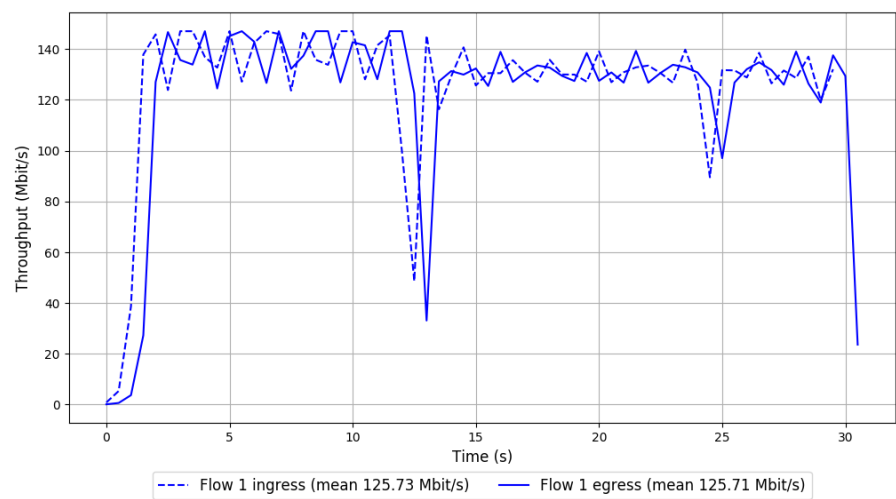
Average throughput: 125.71 Mbit/s

95th percentile per-packet one-way delay: 86.918 ms

Loss rate: 0.01%



Run 5: Report of TCP BBR — Data Link

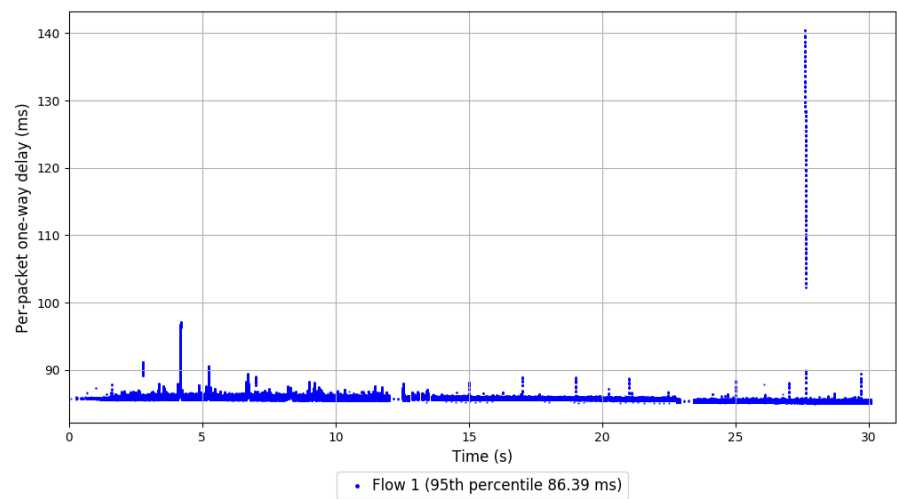
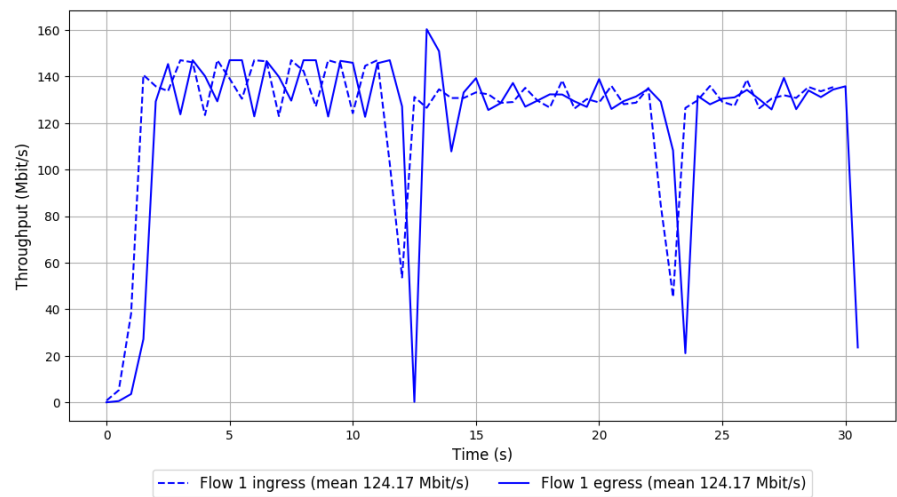


Run 6: Statistics of TCP BBR

Start at: 2018-06-05 05:07:39  
End at: 2018-06-05 05:08:09  
Local clock offset: 13.101 ms  
Remote clock offset: -0.088 ms

# Below is generated by plot.py at 2018-06-05 06:50:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 124.17 Mbit/s  
95th percentile per-packet one-way delay: 86.391 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 124.17 Mbit/s  
95th percentile per-packet one-way delay: 86.391 ms  
Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

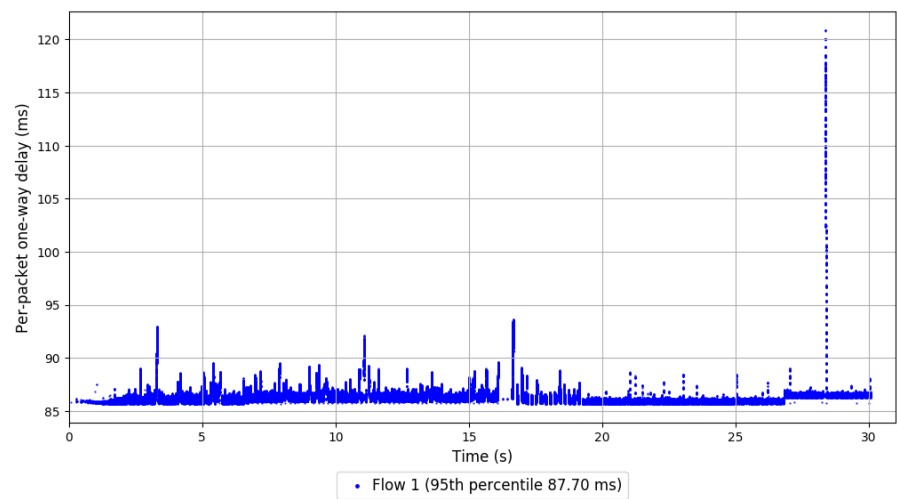
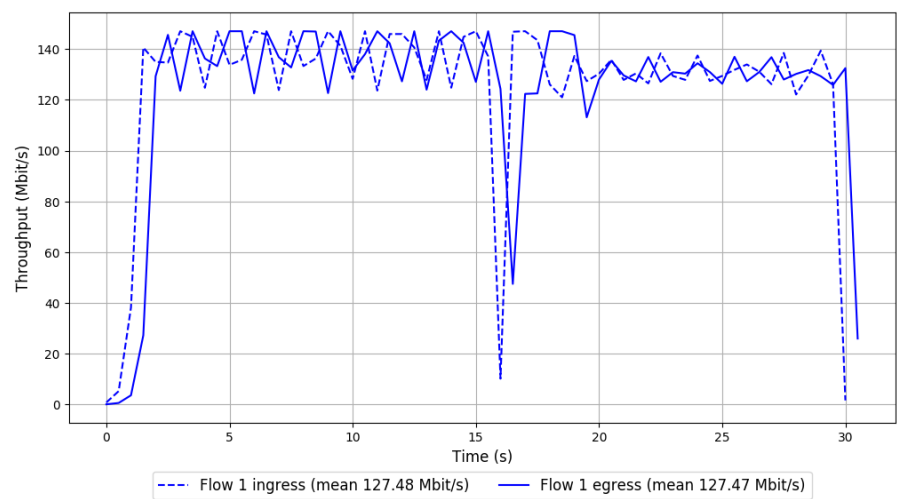


Run 7: Statistics of TCP BBR

Start at: 2018-06-05 05:28:35  
End at: 2018-06-05 05:29:05  
Local clock offset: 6.642 ms  
Remote clock offset: -0.099 ms

# Below is generated by plot.py at 2018-06-05 06:50:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 127.47 Mbit/s  
95th percentile per-packet one-way delay: 87.699 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 127.47 Mbit/s  
95th percentile per-packet one-way delay: 87.699 ms  
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-06-05 05:49:35

End at: 2018-06-05 05:50:05

Local clock offset: 2.544 ms

Remote clock offset: -0.075 ms

# Below is generated by plot.py at 2018-06-05 06:50:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 125.48 Mbit/s

95th percentile per-packet one-way delay: 87.001 ms

Loss rate: 0.00%

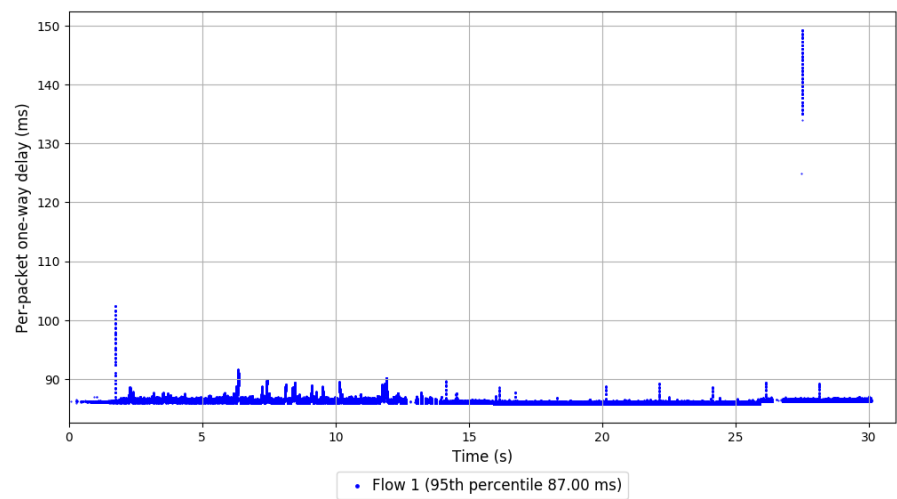
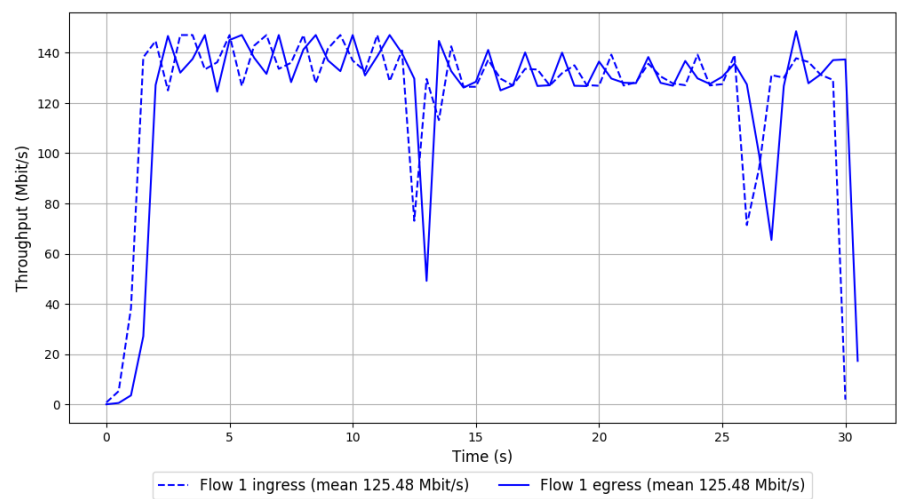
-- Flow 1:

Average throughput: 125.48 Mbit/s

95th percentile per-packet one-way delay: 87.001 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-06-05 06:10:43

End at: 2018-06-05 06:11:13

Local clock offset: 8.105 ms

Remote clock offset: -0.062 ms

# Below is generated by plot.py at 2018-06-05 06:51:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 127.71 Mbit/s

95th percentile per-packet one-way delay: 80.736 ms

Loss rate: 0.00%

-- Flow 1:

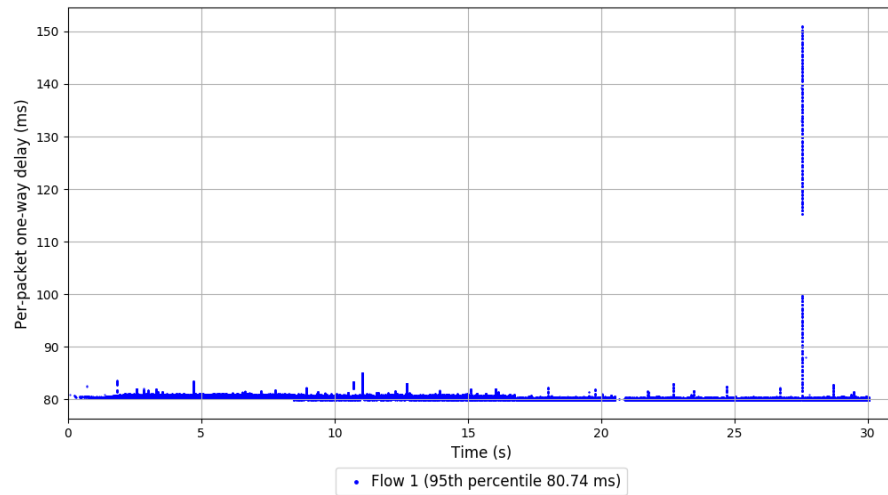
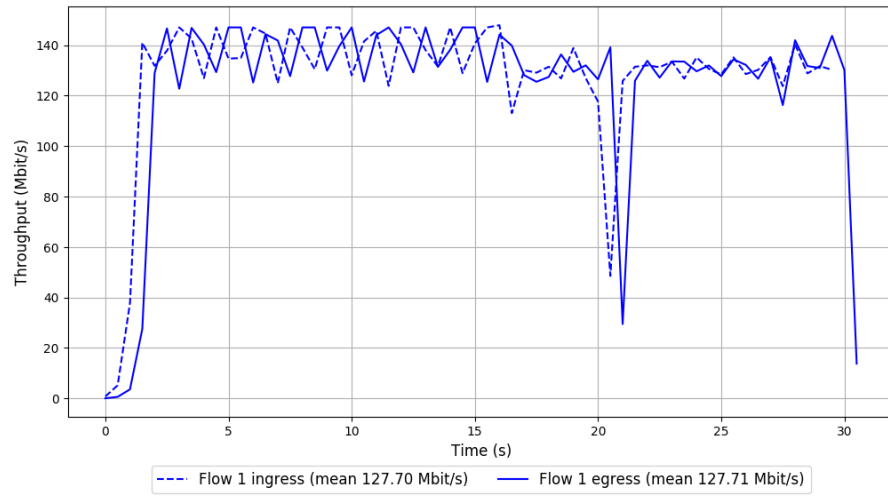
Average throughput: 127.71 Mbit/s

95th percentile per-packet one-way delay: 80.736 ms

Loss rate: 0.00%



### Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-06-05 06:31:29

End at: 2018-06-05 06:31:59

Local clock offset: 1.397 ms

Remote clock offset: 0.041 ms

# Below is generated by plot.py at 2018-06-05 06:51:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 124.30 Mbit/s

95th percentile per-packet one-way delay: 88.138 ms

Loss rate: 0.00%

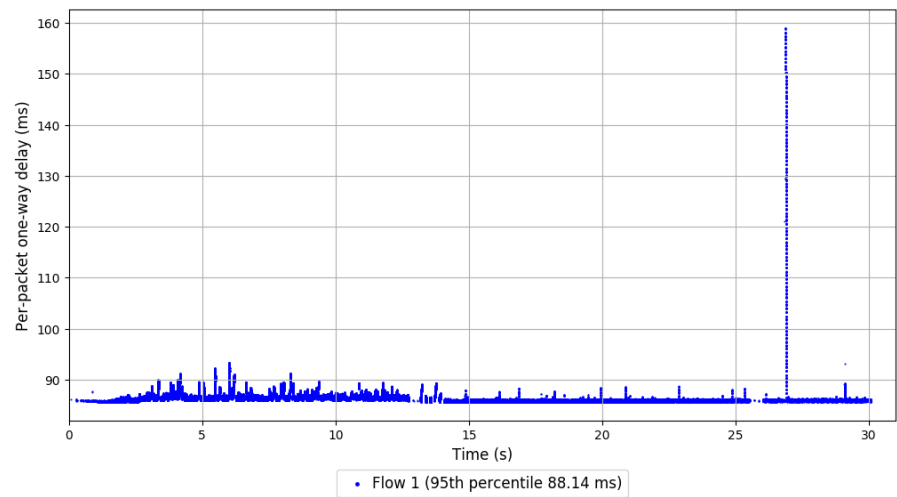
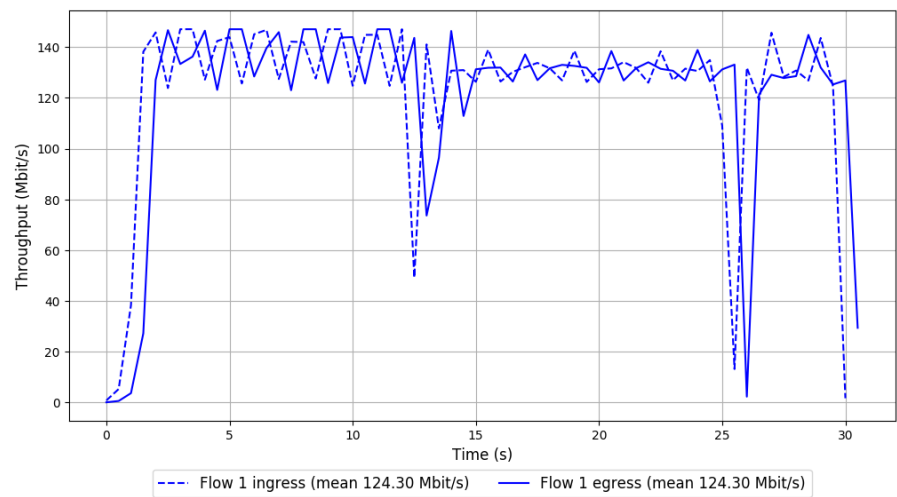
-- Flow 1:

Average throughput: 124.30 Mbit/s

95th percentile per-packet one-way delay: 88.138 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-06-05 03:29:04

End at: 2018-06-05 03:29:34

Local clock offset: 21.381 ms

Remote clock offset: 0.092 ms

# Below is generated by plot.py at 2018-06-05 06:54:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 157.00 Mbit/s

95th percentile per-packet one-way delay: 127.231 ms

Loss rate: 0.17%

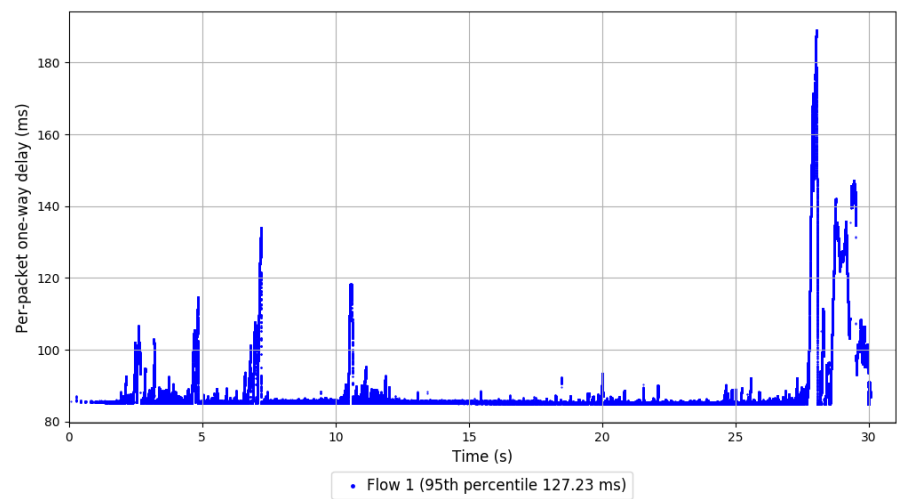
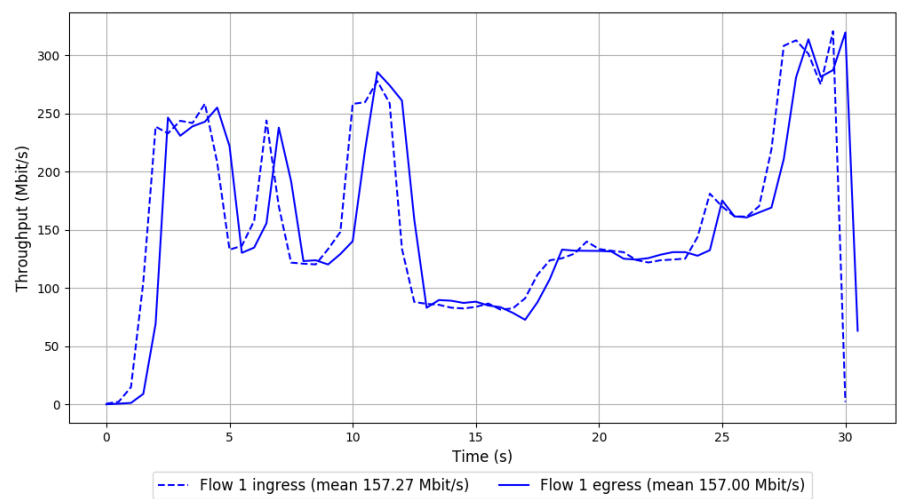
-- Flow 1:

Average throughput: 157.00 Mbit/s

95th percentile per-packet one-way delay: 127.231 ms

Loss rate: 0.17%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-06-05 03:49:48

End at: 2018-06-05 03:50:18

Local clock offset: 42.175 ms

Remote clock offset: 0.053 ms

# Below is generated by plot.py at 2018-06-05 06:55:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 167.60 Mbit/s

95th percentile per-packet one-way delay: 89.591 ms

Loss rate: 0.04%

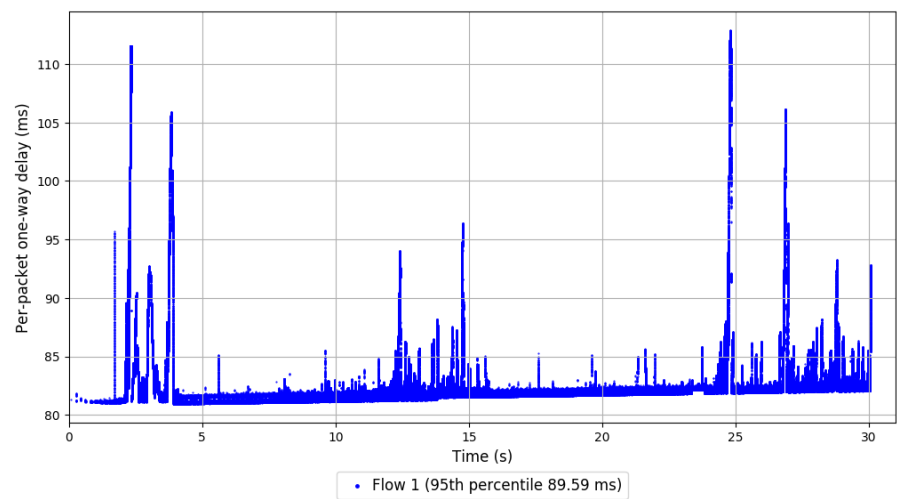
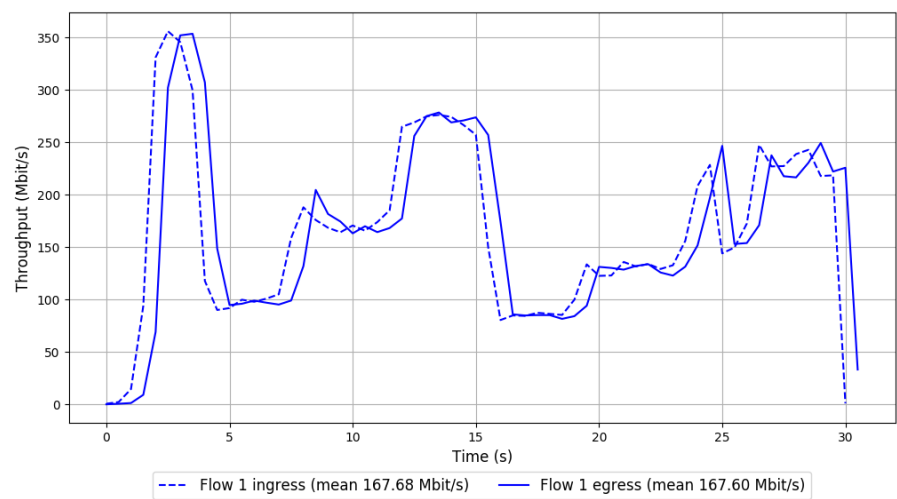
-- Flow 1:

Average throughput: 167.60 Mbit/s

95th percentile per-packet one-way delay: 89.591 ms

Loss rate: 0.04%

Run 2: Report of Copa — Data Link



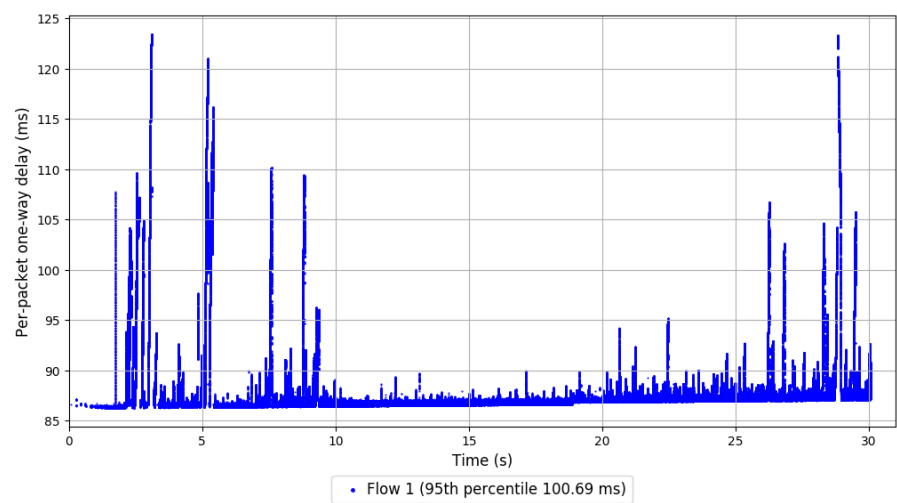
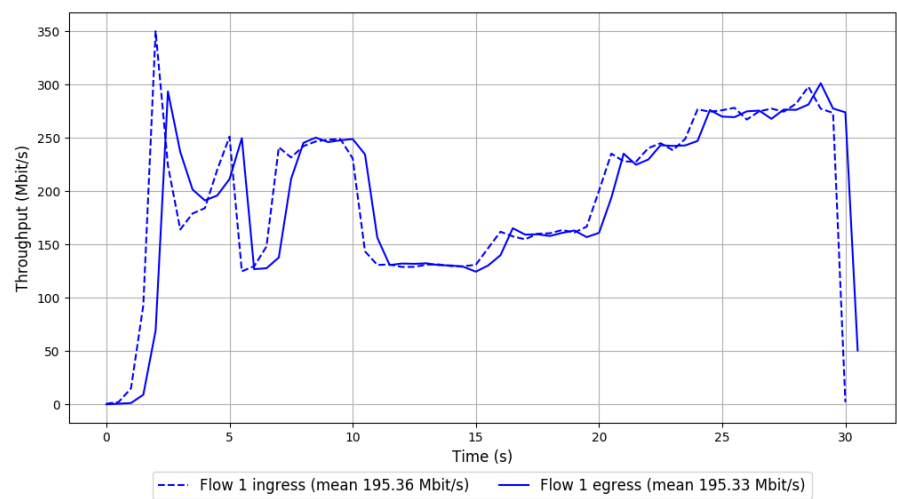
Run 3: Statistics of Copa

Start at: 2018-06-05 04:10:32  
End at: 2018-06-05 04:11:02  
Local clock offset: 37.051 ms  
Remote clock offset: -0.165 ms

# Below is generated by plot.py at 2018-06-05 06:55:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 195.33 Mbit/s  
95th percentile per-packet one-way delay: 100.689 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 195.33 Mbit/s  
95th percentile per-packet one-way delay: 100.689 ms  
Loss rate: 0.02%



Run 3: Report of Copa — Data Link

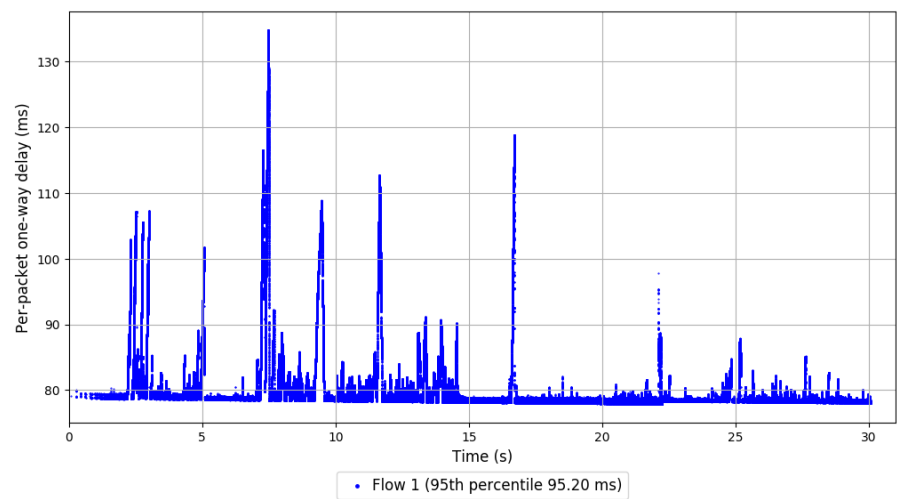
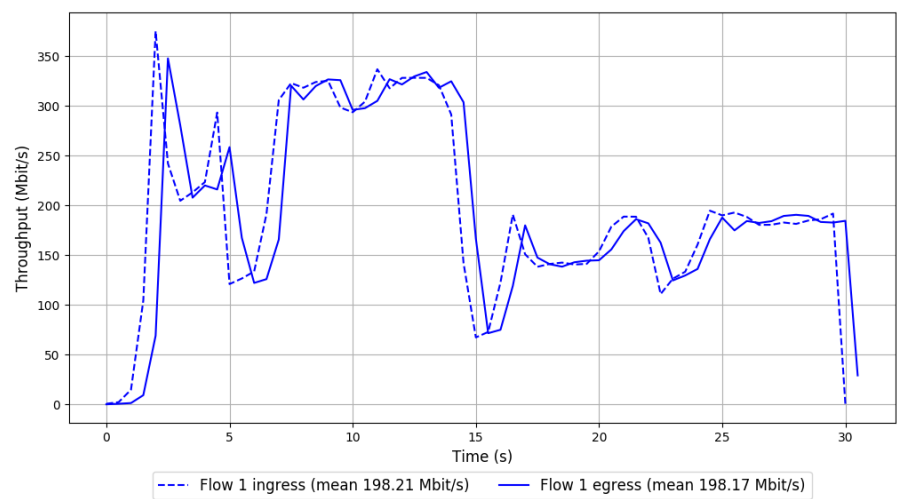


Run 4: Statistics of Copa

Start at: 2018-06-05 04:31:29  
End at: 2018-06-05 04:31:59  
Local clock offset: 40.23 ms  
Remote clock offset: -0.063 ms

# Below is generated by plot.py at 2018-06-05 06:55:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 198.17 Mbit/s  
95th percentile per-packet one-way delay: 95.204 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 198.17 Mbit/s  
95th percentile per-packet one-way delay: 95.204 ms  
Loss rate: 0.02%

Run 4: Report of Copa — Data Link

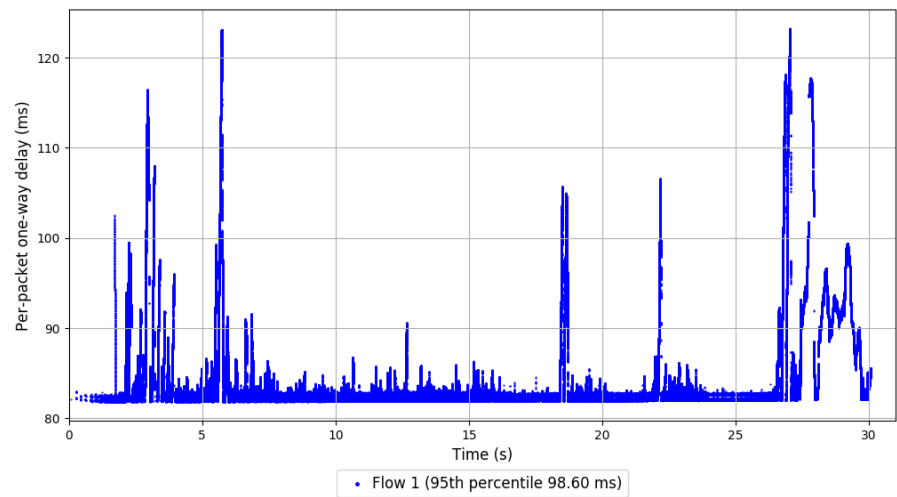
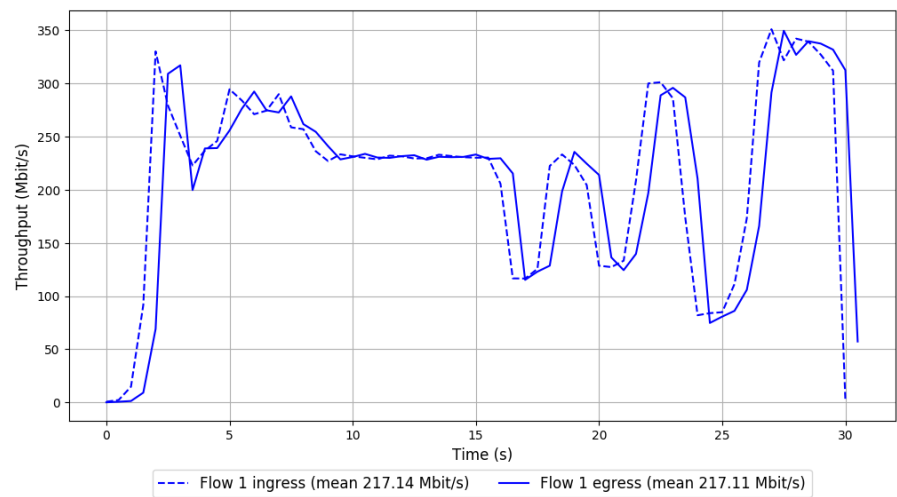


Run 5: Statistics of Copa

Start at: 2018-06-05 04:52:24  
End at: 2018-06-05 04:52:54  
Local clock offset: 29.564 ms  
Remote clock offset: -0.073 ms

# Below is generated by plot.py at 2018-06-05 06:56:02  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 217.11 Mbit/s  
95th percentile per-packet one-way delay: 98.604 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 217.11 Mbit/s  
95th percentile per-packet one-way delay: 98.604 ms  
Loss rate: 0.01%

Run 5: Report of Copa — Data Link

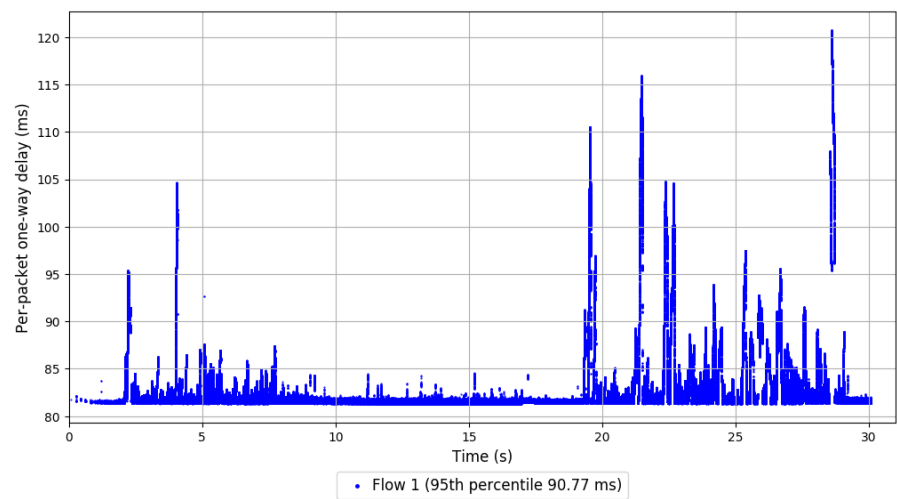
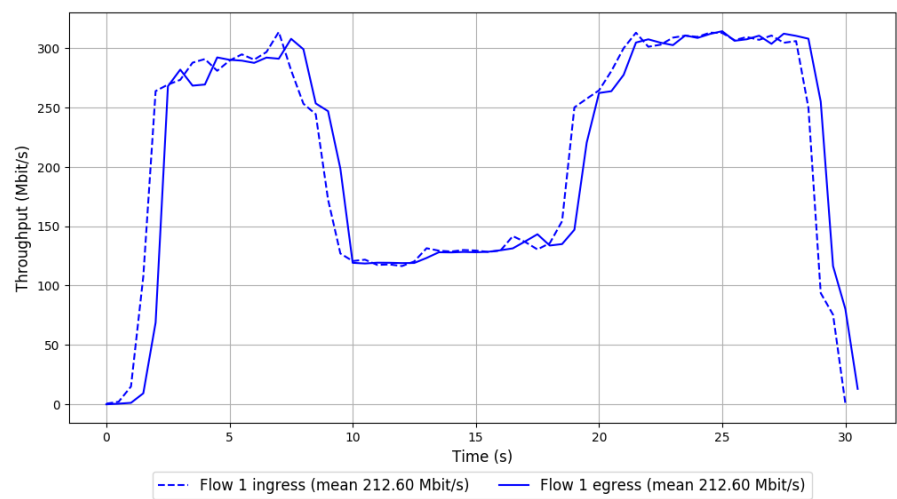


Run 6: Statistics of Copa

Start at: 2018-06-05 05:13:14  
End at: 2018-06-05 05:13:44  
Local clock offset: 12.779 ms  
Remote clock offset: -0.118 ms

# Below is generated by plot.py at 2018-06-05 06:56:02  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 212.60 Mbit/s  
95th percentile per-packet one-way delay: 90.767 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 212.60 Mbit/s  
95th percentile per-packet one-way delay: 90.767 ms  
Loss rate: 0.00%

Run 6: Report of Copa — Data Link



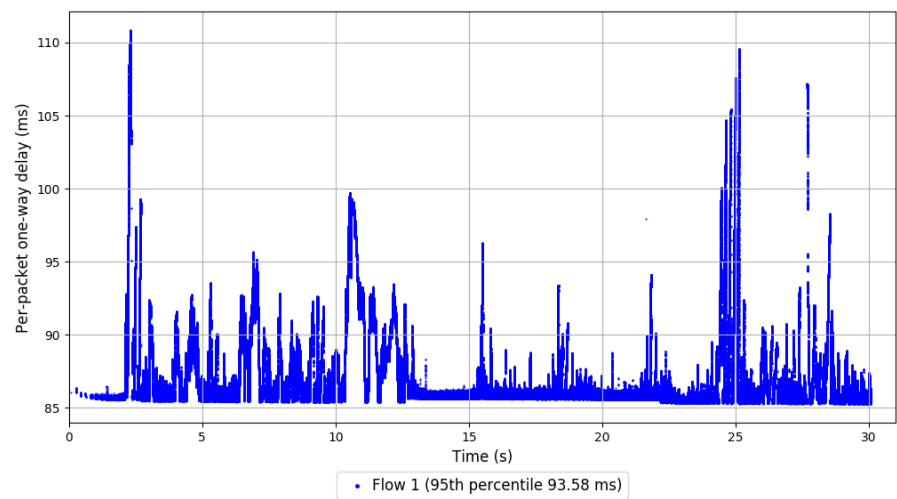
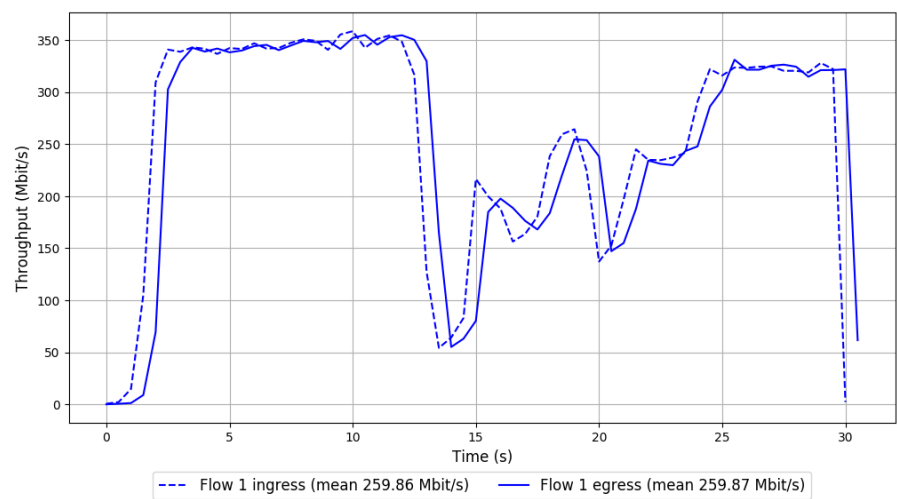
Run 7: Statistics of Copa

Start at: 2018-06-05 05:34:09  
End at: 2018-06-05 05:34:39  
Local clock offset: 6.602 ms  
Remote clock offset: -0.114 ms

# Below is generated by plot.py at 2018-06-05 06:59:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 259.87 Mbit/s  
95th percentile per-packet one-way delay: 93.584 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 259.87 Mbit/s  
95th percentile per-packet one-way delay: 93.584 ms  
Loss rate: 0.00%



Run 7: Report of Copa — Data Link

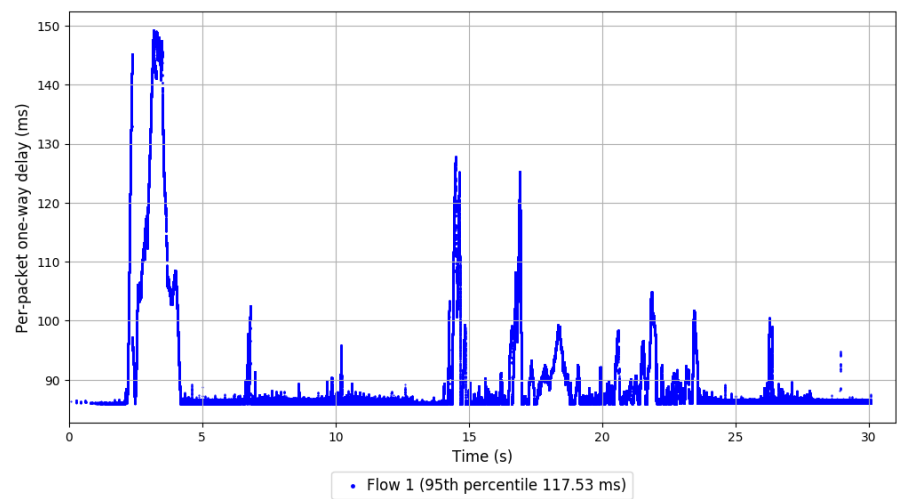
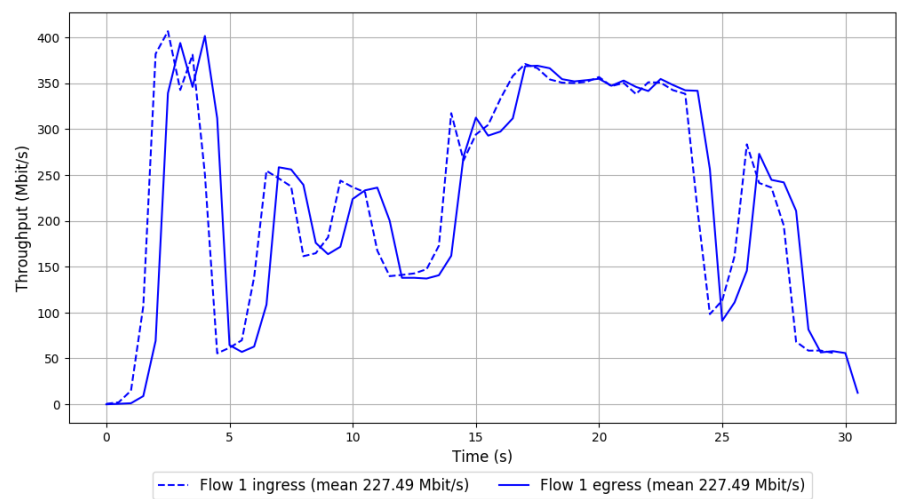


Run 8: Statistics of Copa

Start at: 2018-06-05 05:55:19  
End at: 2018-06-05 05:55:49  
Local clock offset: 2.325 ms  
Remote clock offset: -0.096 ms

# Below is generated by plot.py at 2018-06-05 06:59:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 227.49 Mbit/s  
95th percentile per-packet one-way delay: 117.535 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 227.49 Mbit/s  
95th percentile per-packet one-way delay: 117.535 ms  
Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-06-05 06:16:13

End at: 2018-06-05 06:16:43

Local clock offset: 1.097 ms

Remote clock offset: -0.04 ms

# Below is generated by plot.py at 2018-06-05 07:00:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 184.87 Mbit/s

95th percentile per-packet one-way delay: 112.408 ms

Loss rate: 0.00%

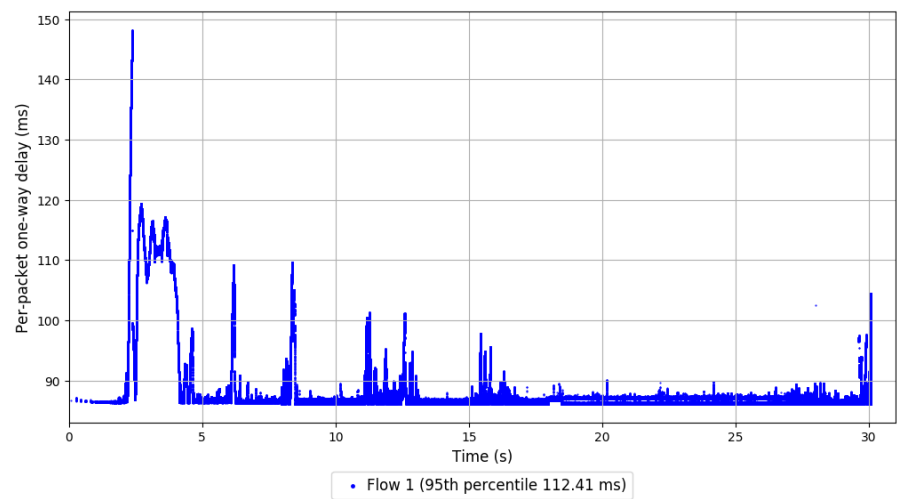
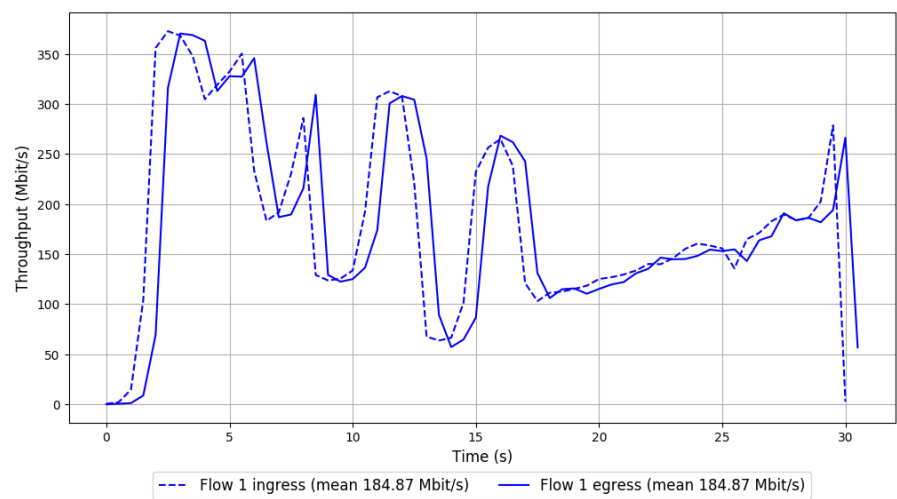
-- Flow 1:

Average throughput: 184.87 Mbit/s

95th percentile per-packet one-way delay: 112.408 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-06-05 06:37:04

End at: 2018-06-05 06:37:34

Local clock offset: 1.247 ms

Remote clock offset: -0.006 ms

# Below is generated by plot.py at 2018-06-05 07:02:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 260.60 Mbit/s

95th percentile per-packet one-way delay: 109.171 ms

Loss rate: 0.05%

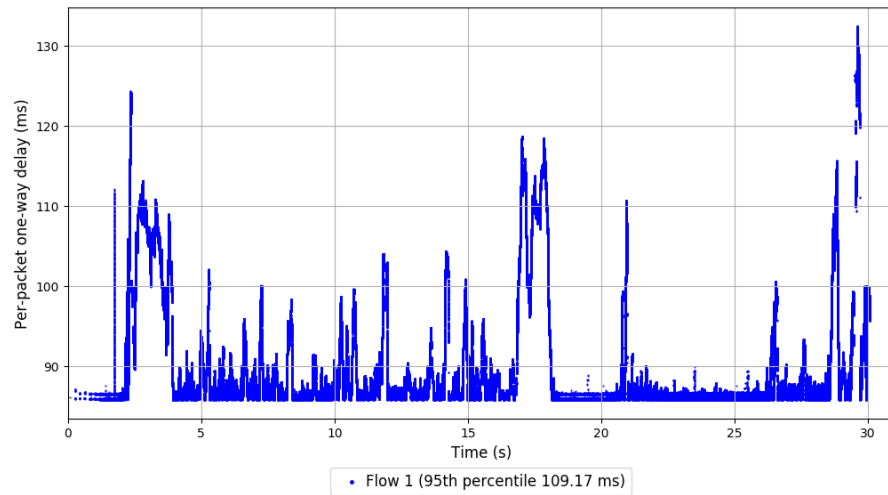
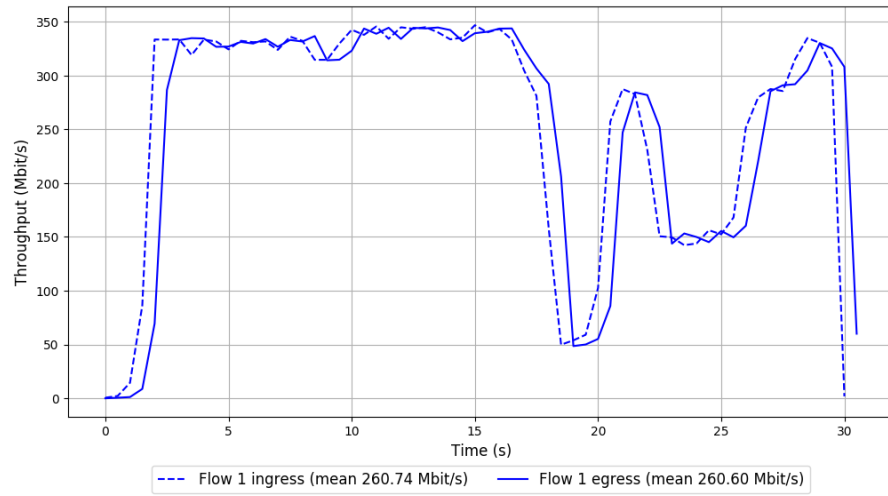
-- Flow 1:

Average throughput: 260.60 Mbit/s

95th percentile per-packet one-way delay: 109.171 ms

Loss rate: 0.05%

# Run 10: Report of Copa — Data Link



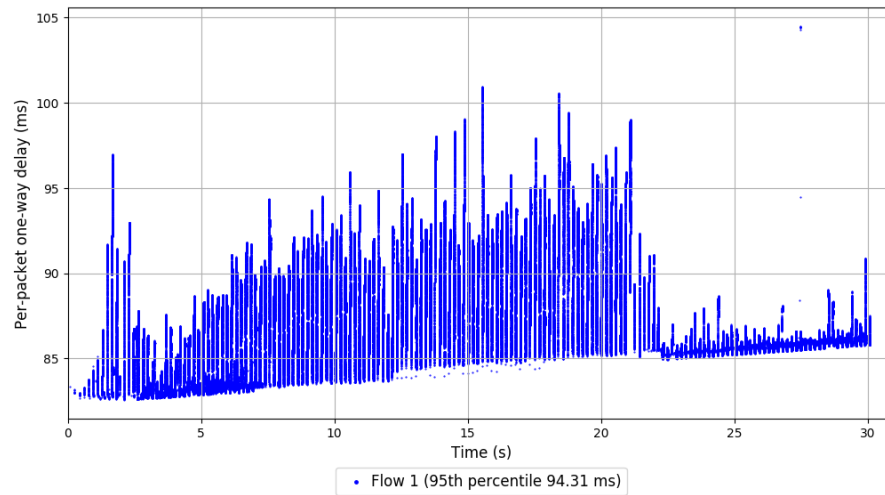
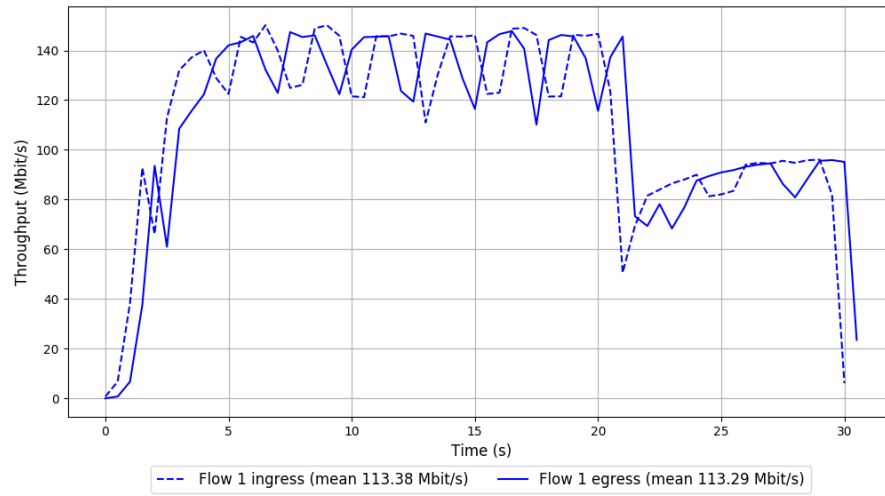
Run 1: Statistics of TCP Cubic

Start at: 2018-06-05 03:14:49  
End at: 2018-06-05 03:15:19  
Local clock offset: 25.82 ms  
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2018-06-05 07:02:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 113.29 Mbit/s  
95th percentile per-packet one-way delay: 94.308 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 113.29 Mbit/s  
95th percentile per-packet one-way delay: 94.308 ms  
Loss rate: 0.06%



### Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-06-05 03:35:20

End at: 2018-06-05 03:35:50

Local clock offset: 27.835 ms

Remote clock offset: 0.17 ms

# Below is generated by plot.py at 2018-06-05 07:02:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 133.21 Mbit/s

95th percentile per-packet one-way delay: 89.329 ms

Loss rate: 0.01%

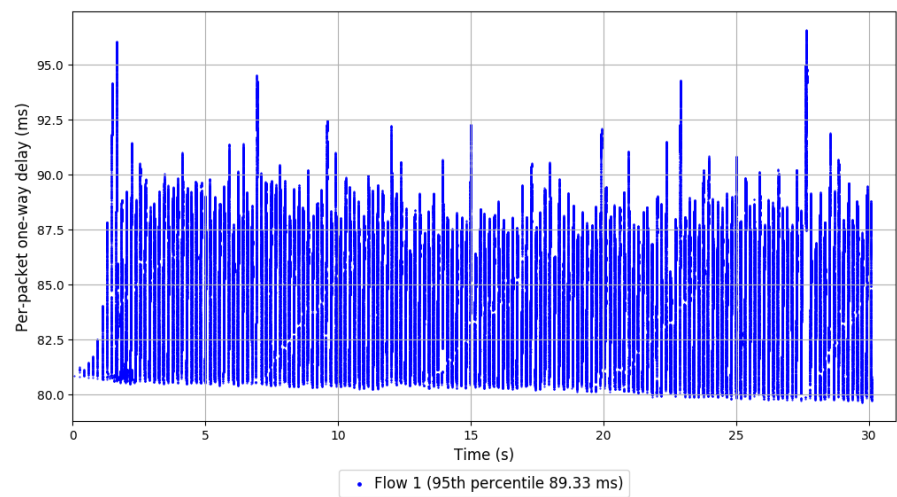
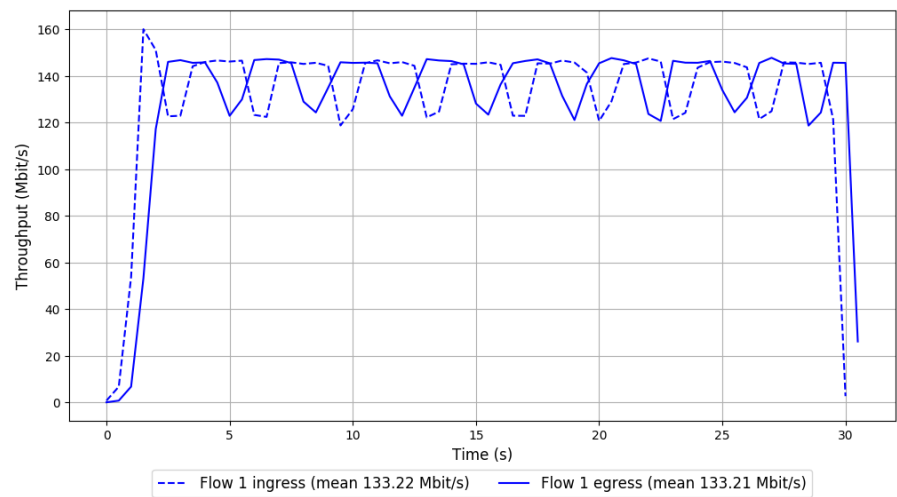
-- Flow 1:

Average throughput: 133.21 Mbit/s

95th percentile per-packet one-way delay: 89.329 ms

Loss rate: 0.01%

Run 2: Report of TCP Cubic — Data Link

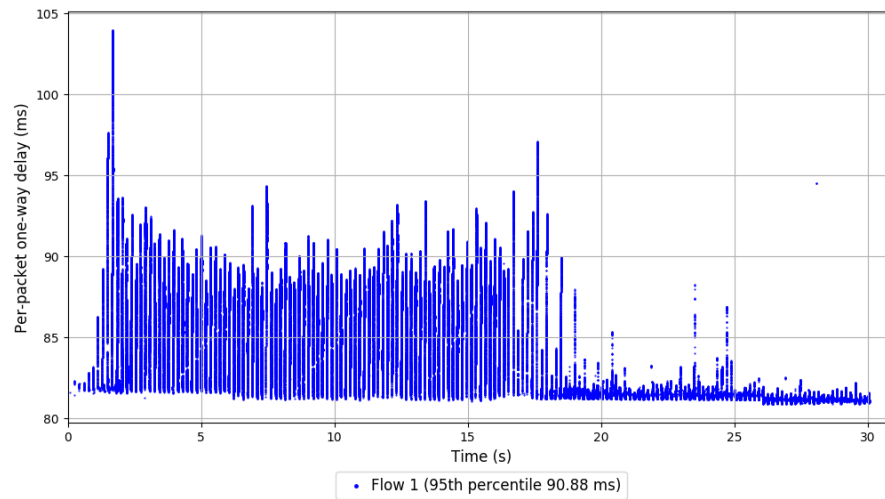
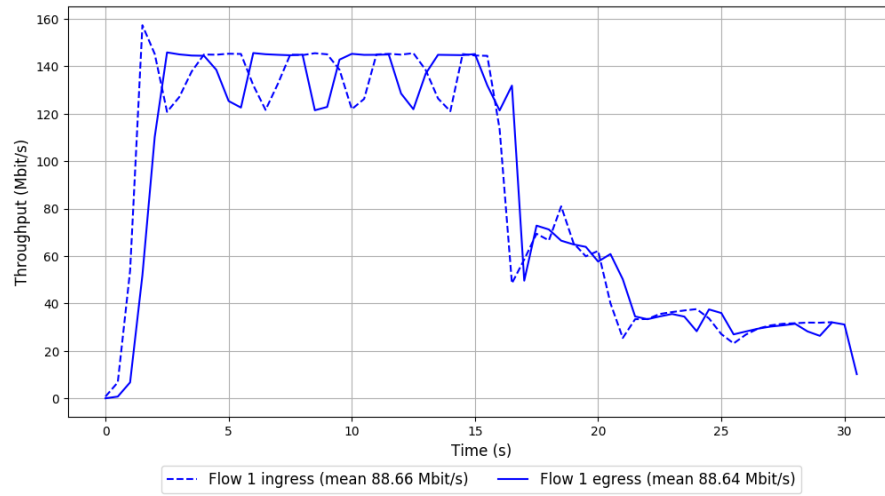


Run 3: Statistics of TCP Cubic

Start at: 2018-06-05 03:56:05  
End at: 2018-06-05 03:56:35  
Local clock offset: 35.179 ms  
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2018-06-05 07:02:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.64 Mbit/s  
95th percentile per-packet one-way delay: 90.881 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 88.64 Mbit/s  
95th percentile per-packet one-way delay: 90.881 ms  
Loss rate: 0.02%

### Run 3: Report of TCP Cubic — Data Link

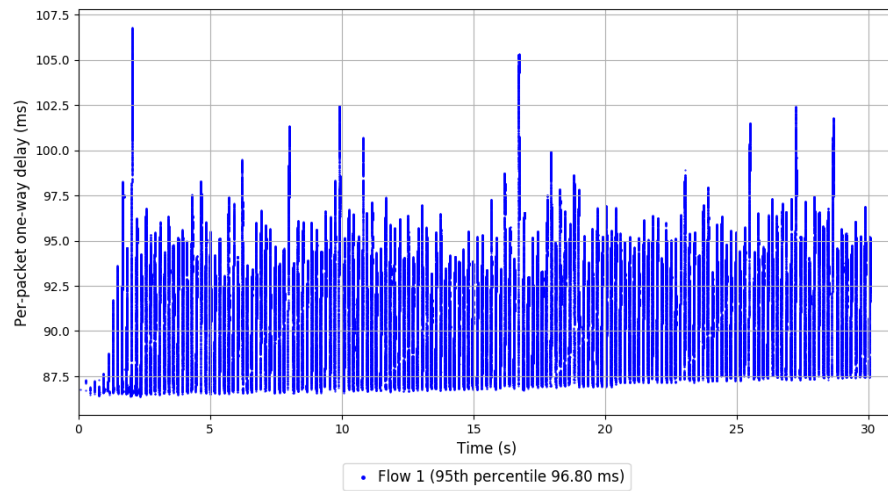
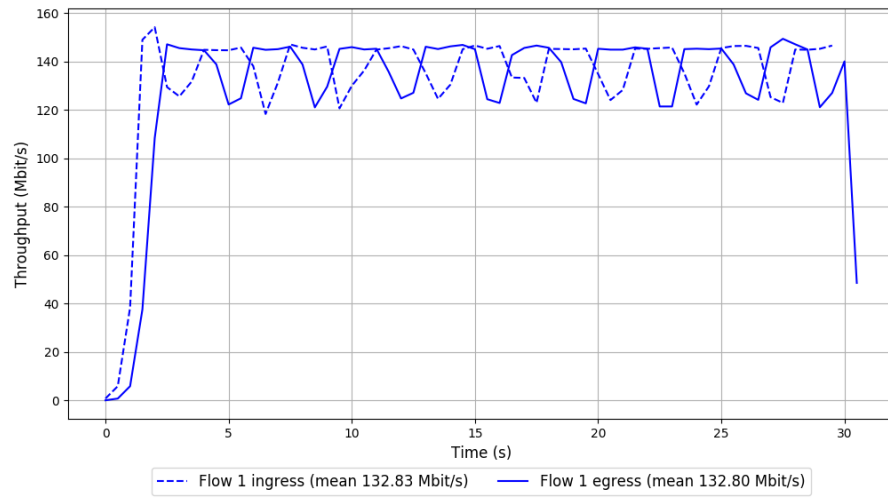


Run 4: Statistics of TCP Cubic

Start at: 2018-06-05 04:16:51  
End at: 2018-06-05 04:17:21  
Local clock offset: 45.753 ms  
Remote clock offset: -0.172 ms

# Below is generated by plot.py at 2018-06-05 07:02:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 132.80 Mbit/s  
95th percentile per-packet one-way delay: 96.802 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 132.80 Mbit/s  
95th percentile per-packet one-way delay: 96.802 ms  
Loss rate: 0.00%

#### Run 4: Report of TCP Cubic — Data Link



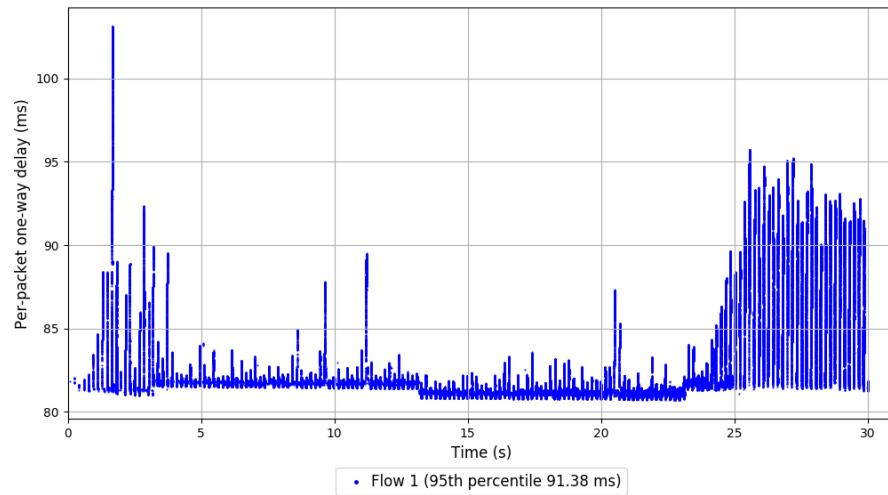
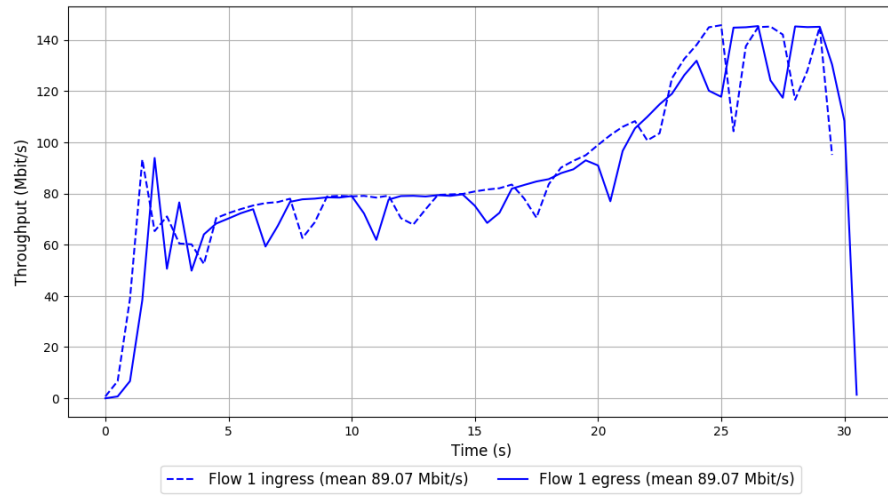
Run 5: Statistics of TCP Cubic

Start at: 2018-06-05 04:37:48  
End at: 2018-06-05 04:38:18  
Local clock offset: 28.788 ms  
Remote clock offset: -0.103 ms

# Below is generated by plot.py at 2018-06-05 07:02:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.07 Mbit/s  
95th percentile per-packet one-way delay: 91.378 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 89.07 Mbit/s  
95th percentile per-packet one-way delay: 91.378 ms  
Loss rate: 0.00%



### Run 5: Report of TCP Cubic — Data Link

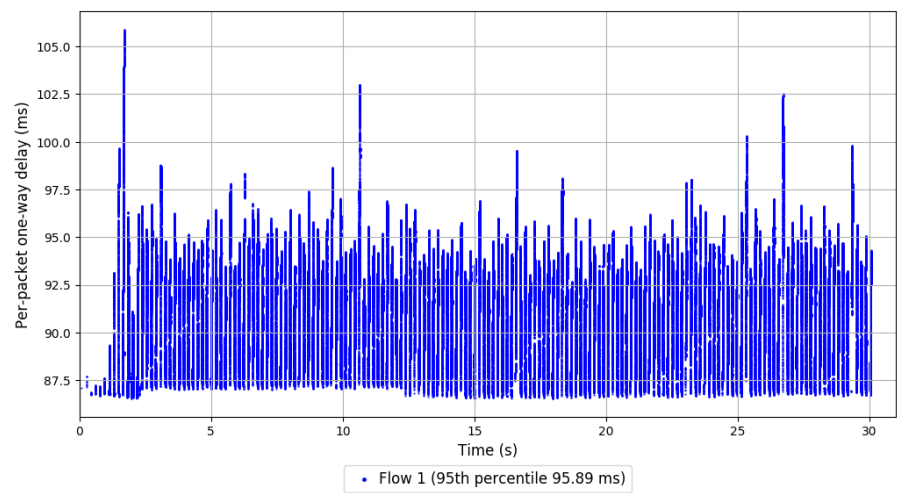
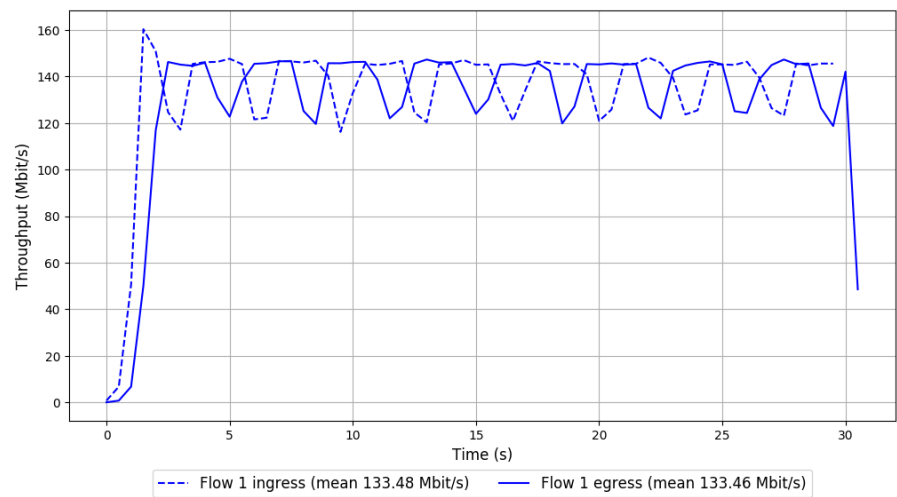


Run 6: Statistics of TCP Cubic

Start at: 2018-06-05 04:58:39  
End at: 2018-06-05 04:59:09  
Local clock offset: 29.005 ms  
Remote clock offset: -0.128 ms

# Below is generated by plot.py at 2018-06-05 07:02:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 133.46 Mbit/s  
95th percentile per-packet one-way delay: 95.892 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 133.46 Mbit/s  
95th percentile per-packet one-way delay: 95.892 ms  
Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

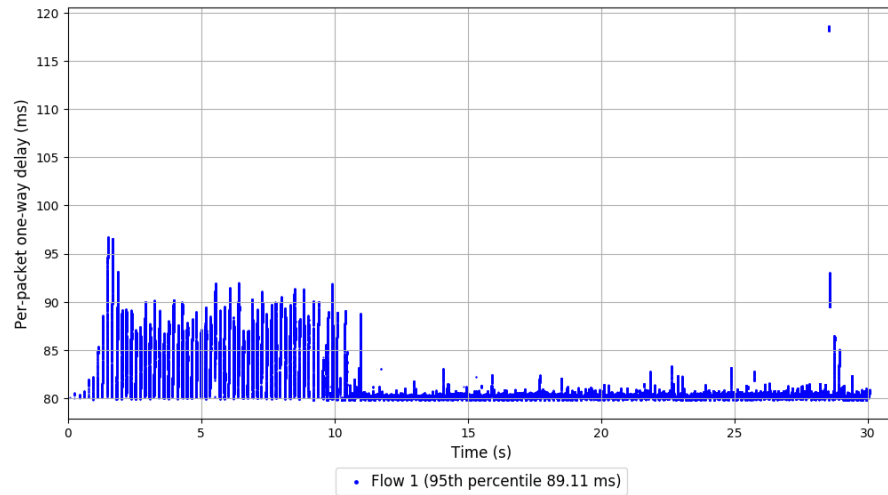
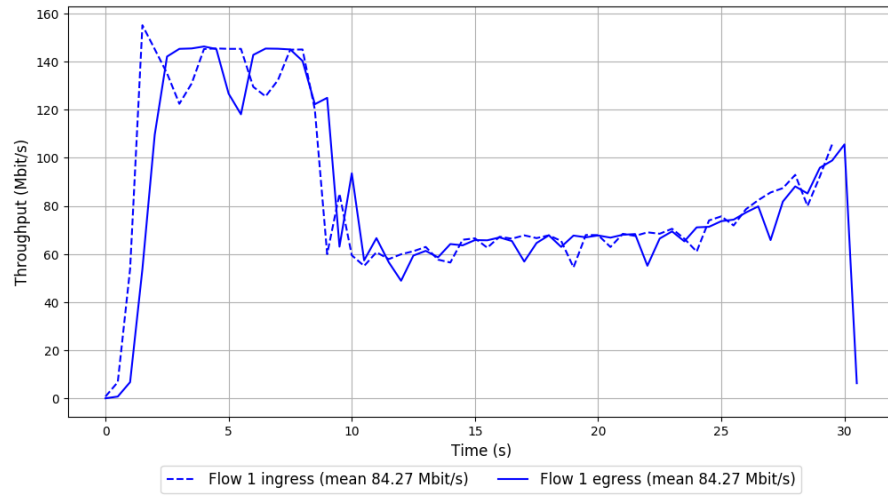


Run 7: Statistics of TCP Cubic

Start at: 2018-06-05 05:19:30  
End at: 2018-06-05 05:20:00  
Local clock offset: 12.55 ms  
Remote clock offset: -0.134 ms

# Below is generated by plot.py at 2018-06-05 07:02:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.27 Mbit/s  
95th percentile per-packet one-way delay: 89.108 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 84.27 Mbit/s  
95th percentile per-packet one-way delay: 89.108 ms  
Loss rate: 0.00%

### Run 7: Report of TCP Cubic — Data Link

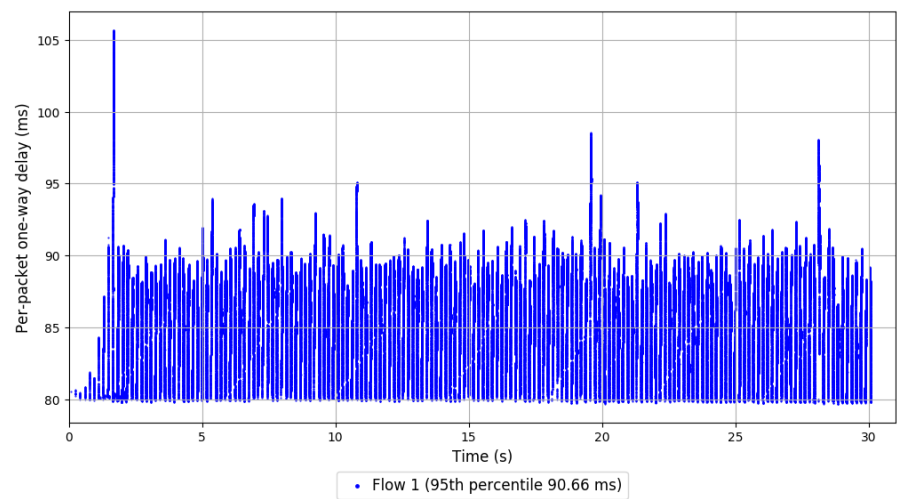
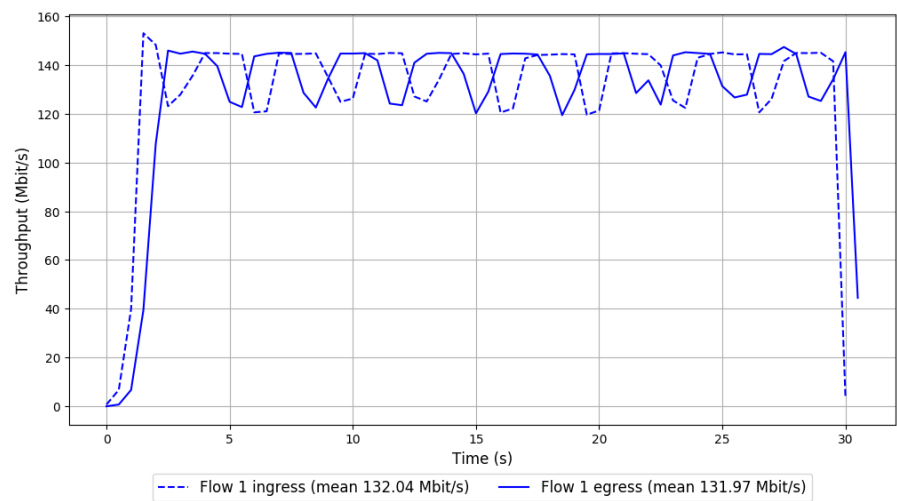


Run 8: Statistics of TCP Cubic

Start at: 2018-06-05 05:40:34  
End at: 2018-06-05 05:41:04  
Local clock offset: 9.68 ms  
Remote clock offset: -0.092 ms

# Below is generated by plot.py at 2018-06-05 07:02:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 131.97 Mbit/s  
95th percentile per-packet one-way delay: 90.657 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 131.97 Mbit/s  
95th percentile per-packet one-way delay: 90.657 ms  
Loss rate: 0.04%

Run 8: Report of TCP Cubic — Data Link



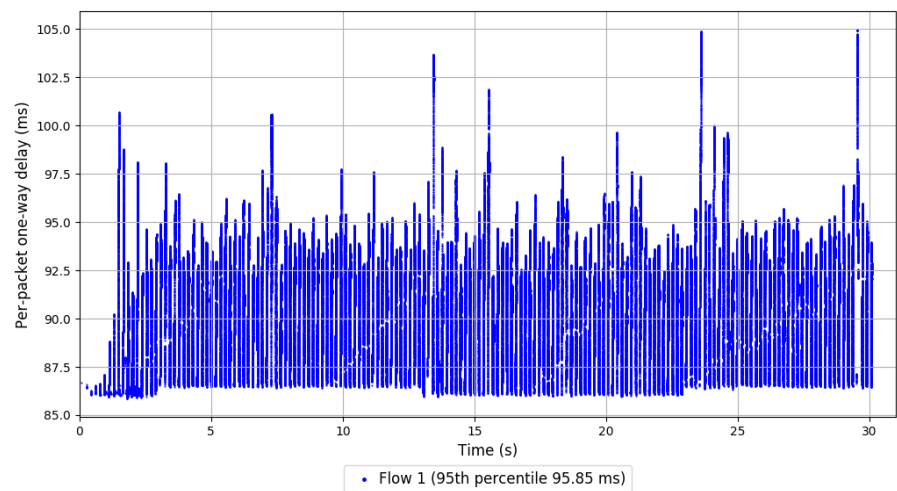
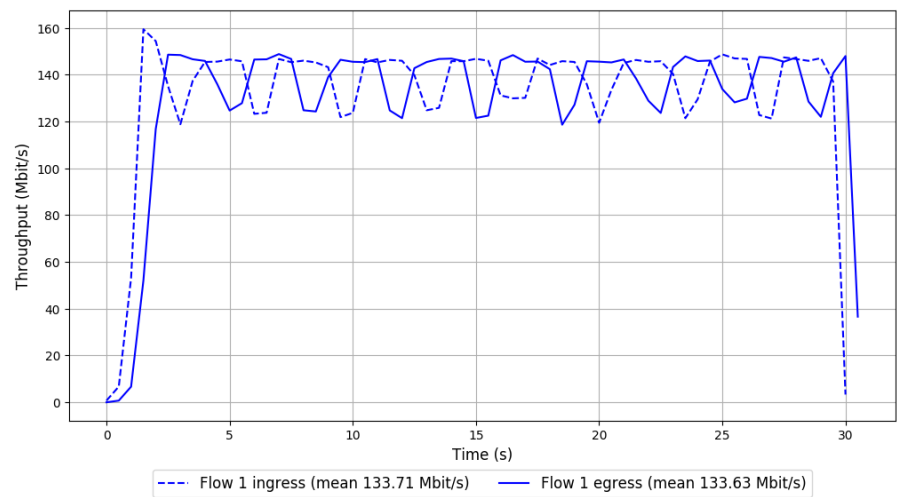
Run 9: Statistics of TCP Cubic

Start at: 2018-06-05 06:01:38  
End at: 2018-06-05 06:02:08  
Local clock offset: 2.621 ms  
Remote clock offset: -0.119 ms

# Below is generated by plot.py at 2018-06-05 07:02:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 133.63 Mbit/s  
95th percentile per-packet one-way delay: 95.850 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 133.63 Mbit/s  
95th percentile per-packet one-way delay: 95.850 ms  
Loss rate: 0.05%



Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-06-05 06:22:31

End at: 2018-06-05 06:23:01

Local clock offset: 1.22 ms

Remote clock offset: -0.024 ms

# Below is generated by plot.py at 2018-06-05 07:02:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 81.16 Mbit/s

95th percentile per-packet one-way delay: 97.606 ms

Loss rate: 0.22%

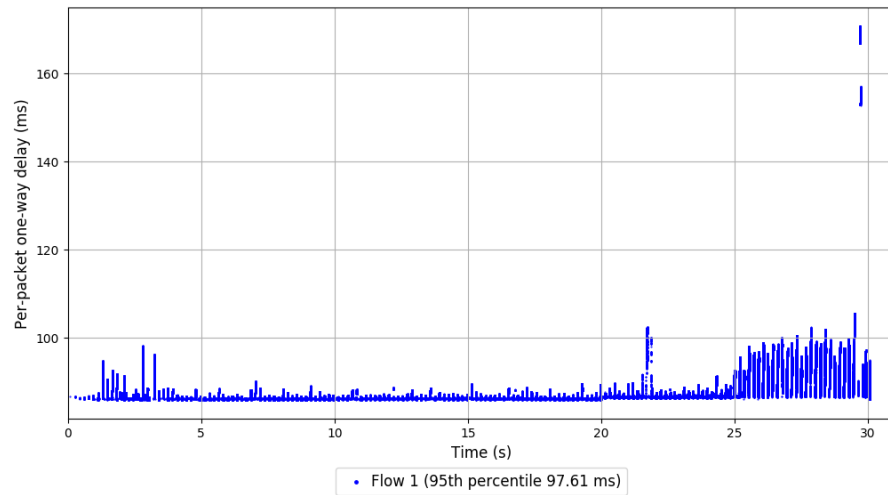
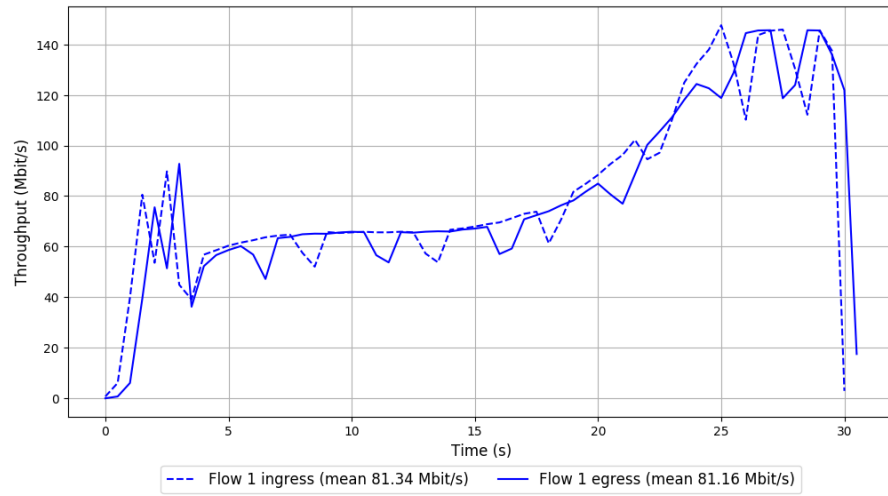
-- Flow 1:

Average throughput: 81.16 Mbit/s

95th percentile per-packet one-way delay: 97.606 ms

Loss rate: 0.22%

# Run 10: Report of TCP Cubic — Data Link

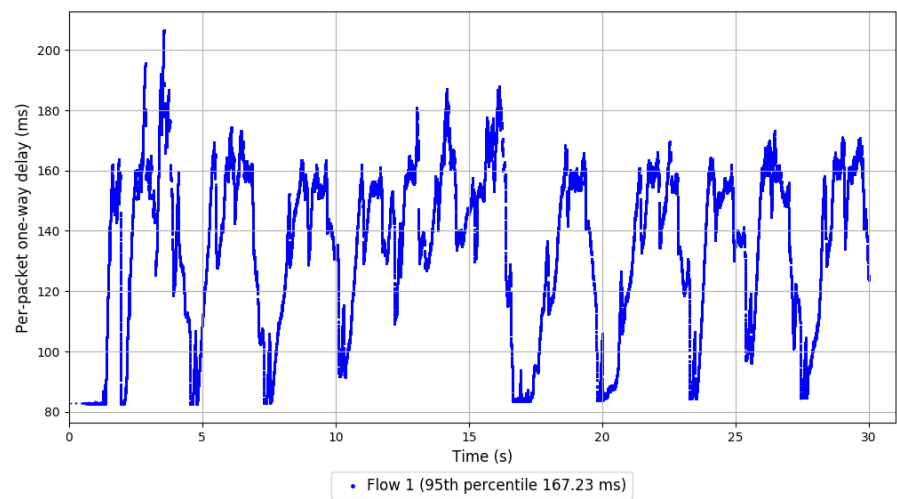
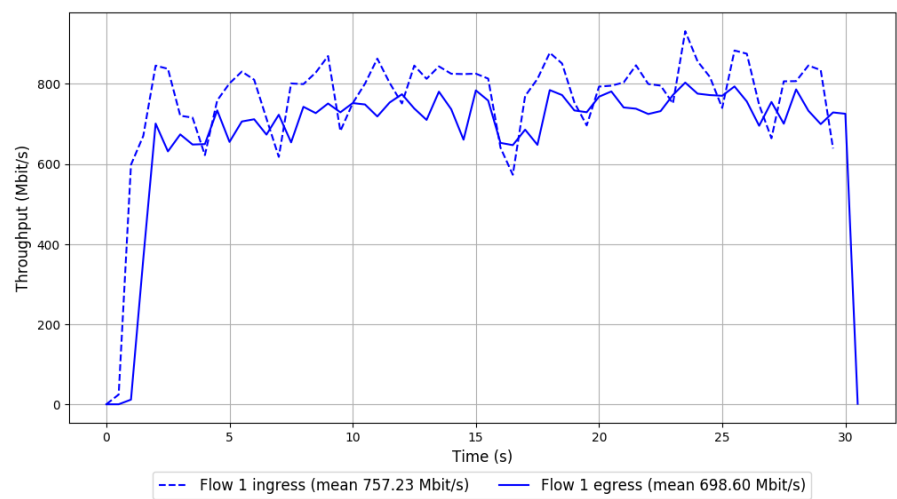


Run 1: Statistics of FillP

Start at: 2018-06-05 03:20:40  
End at: 2018-06-05 03:21:10  
Local clock offset: 33.862 ms  
Remote clock offset: -0.042 ms

# Below is generated by plot.py at 2018-06-05 07:12:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 698.60 Mbit/s  
95th percentile per-packet one-way delay: 167.234 ms  
Loss rate: 7.74%  
-- Flow 1:  
Average throughput: 698.60 Mbit/s  
95th percentile per-packet one-way delay: 167.234 ms  
Loss rate: 7.74%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-06-05 03:41:17

End at: 2018-06-05 03:41:47

Local clock offset: 21.247 ms

Remote clock offset: 0.274 ms

# Below is generated by plot.py at 2018-06-05 07:12:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 646.29 Mbit/s

95th percentile per-packet one-way delay: 176.769 ms

Loss rate: 7.51%

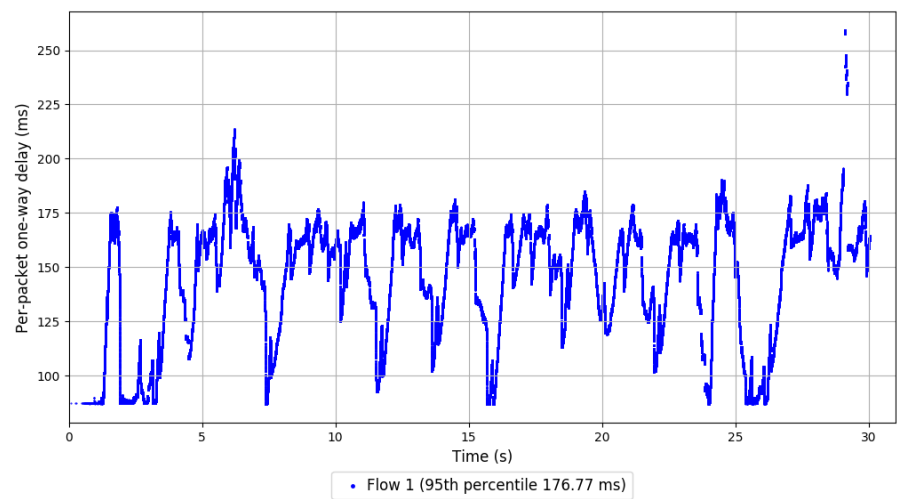
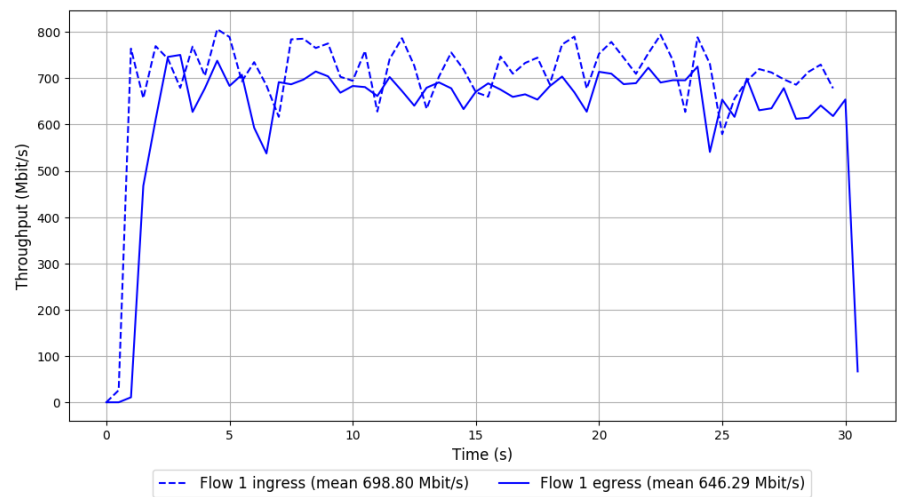
-- Flow 1:

Average throughput: 646.29 Mbit/s

95th percentile per-packet one-way delay: 176.769 ms

Loss rate: 7.51%

Run 2: Report of FillP — Data Link



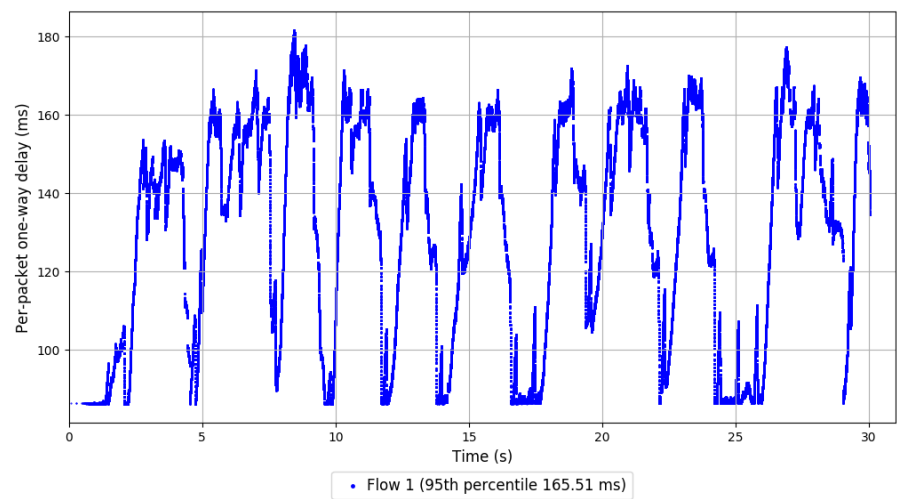
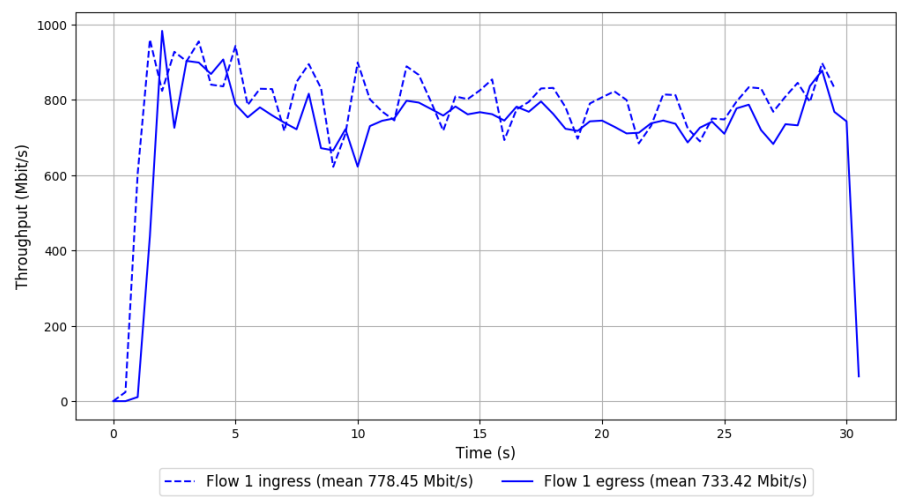
Run 3: Statistics of FillP

Start at: 2018-06-05 04:02:01  
End at: 2018-06-05 04:02:31  
Local clock offset: 29.408 ms  
Remote clock offset: -0.123 ms

# Below is generated by plot.py at 2018-06-05 07:14:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 733.42 Mbit/s  
95th percentile per-packet one-way delay: 165.510 ms  
Loss rate: 5.78%  
-- Flow 1:  
Average throughput: 733.42 Mbit/s  
95th percentile per-packet one-way delay: 165.510 ms  
Loss rate: 5.78%



Run 3: Report of FillP — Data Link

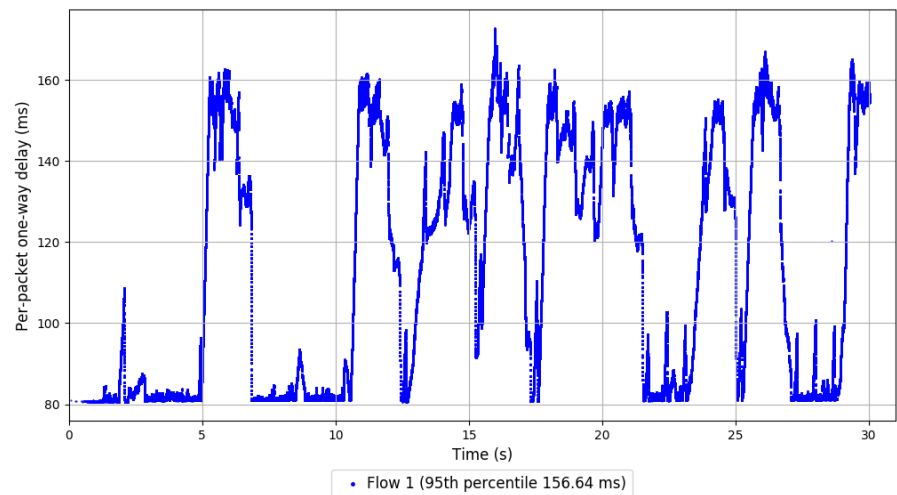
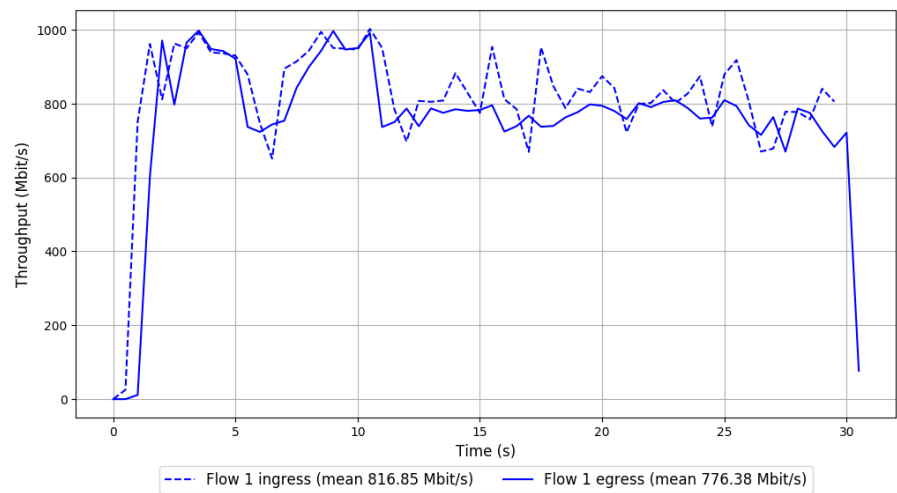


Run 4: Statistics of FillP

Start at: 2018-06-05 04:22:49  
End at: 2018-06-05 04:23:19  
Local clock offset: 60.943 ms  
Remote clock offset: -0.152 ms

# Below is generated by plot.py at 2018-06-05 07:15:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 776.38 Mbit/s  
95th percentile per-packet one-way delay: 156.636 ms  
Loss rate: 4.95%  
-- Flow 1:  
Average throughput: 776.38 Mbit/s  
95th percentile per-packet one-way delay: 156.636 ms  
Loss rate: 4.95%

Run 4: Report of FillP — Data Link

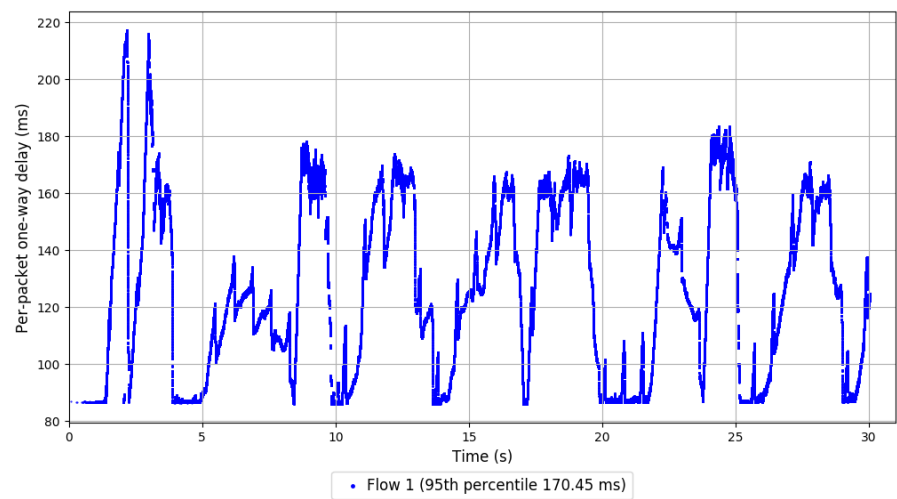
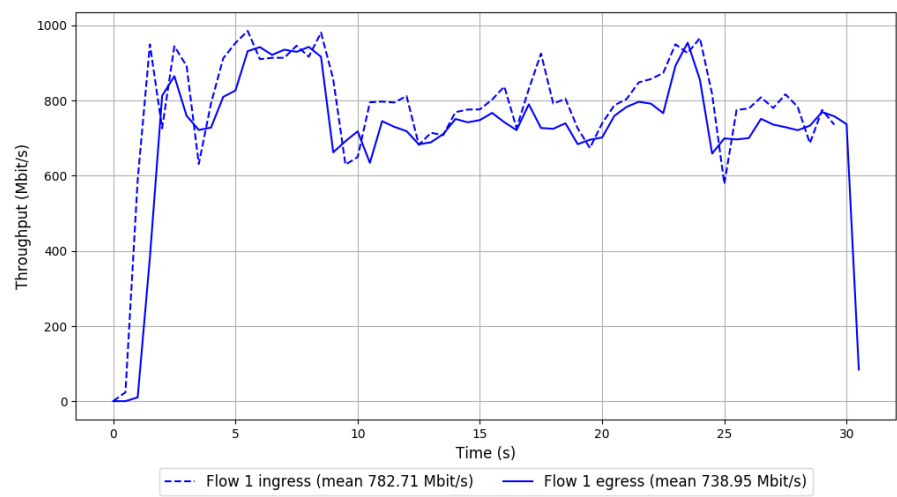


Run 5: Statistics of FillP

Start at: 2018-06-05 04:43:43  
End at: 2018-06-05 04:44:14  
Local clock offset: 22.405 ms  
Remote clock offset: -0.074 ms

# Below is generated by plot.py at 2018-06-05 07:15:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 738.95 Mbit/s  
95th percentile per-packet one-way delay: 170.454 ms  
Loss rate: 5.58%  
-- Flow 1:  
Average throughput: 738.95 Mbit/s  
95th percentile per-packet one-way delay: 170.454 ms  
Loss rate: 5.58%

Run 5: Report of FillP — Data Link

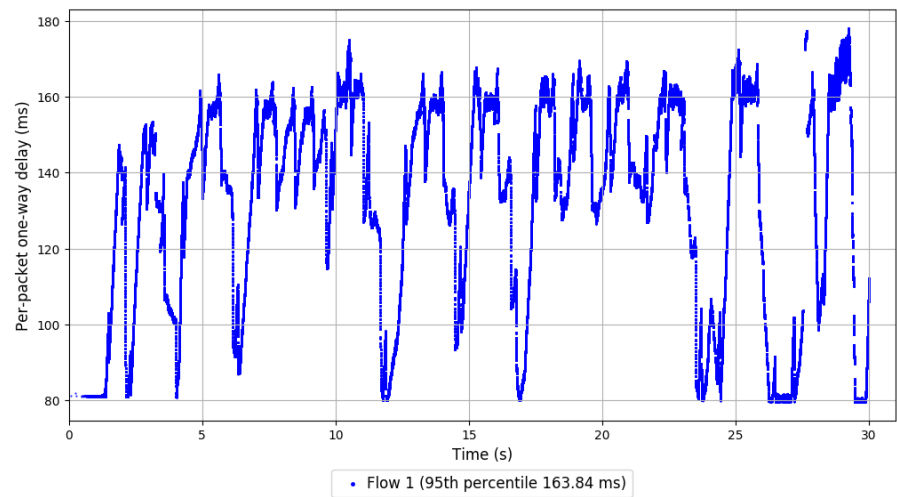
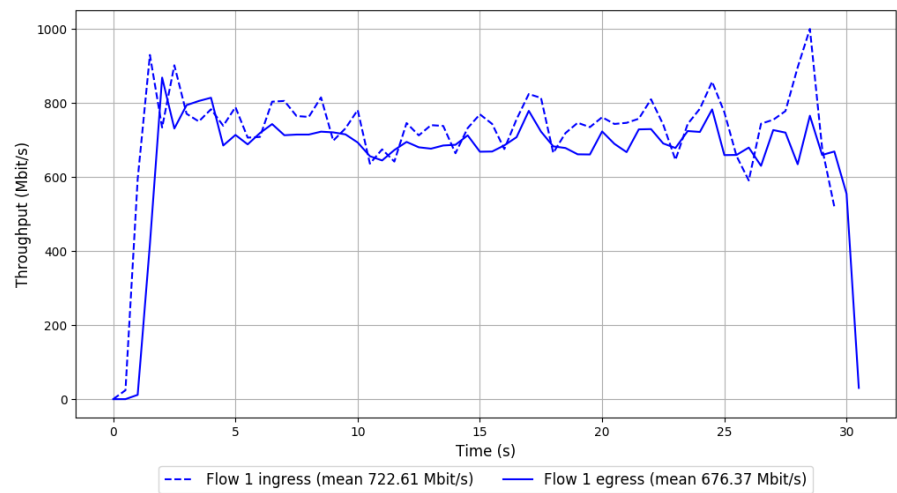


Run 6: Statistics of FillP

Start at: 2018-06-05 05:04:37  
End at: 2018-06-05 05:05:07  
Local clock offset: 22.238 ms  
Remote clock offset: -0.103 ms

# Below is generated by plot.py at 2018-06-05 07:15:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 676.37 Mbit/s  
95th percentile per-packet one-way delay: 163.840 ms  
Loss rate: 6.40%  
-- Flow 1:  
Average throughput: 676.37 Mbit/s  
95th percentile per-packet one-way delay: 163.840 ms  
Loss rate: 6.40%

Run 6: Report of FillP — Data Link



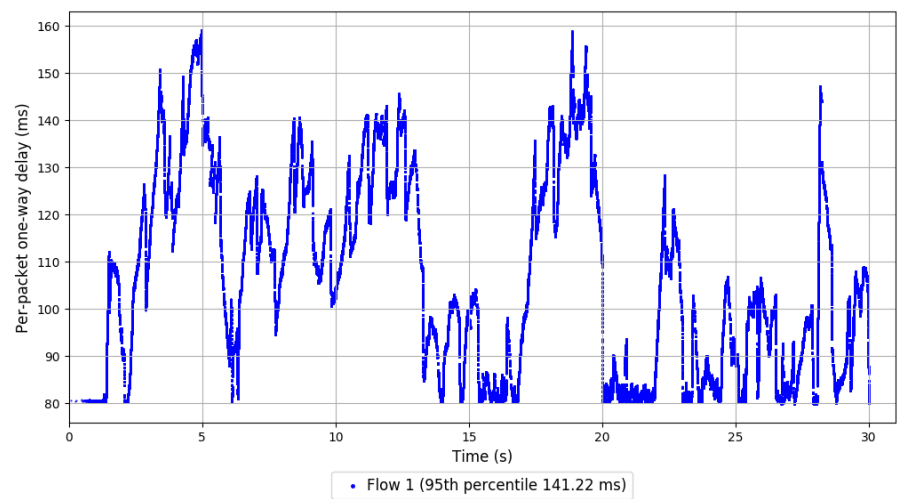
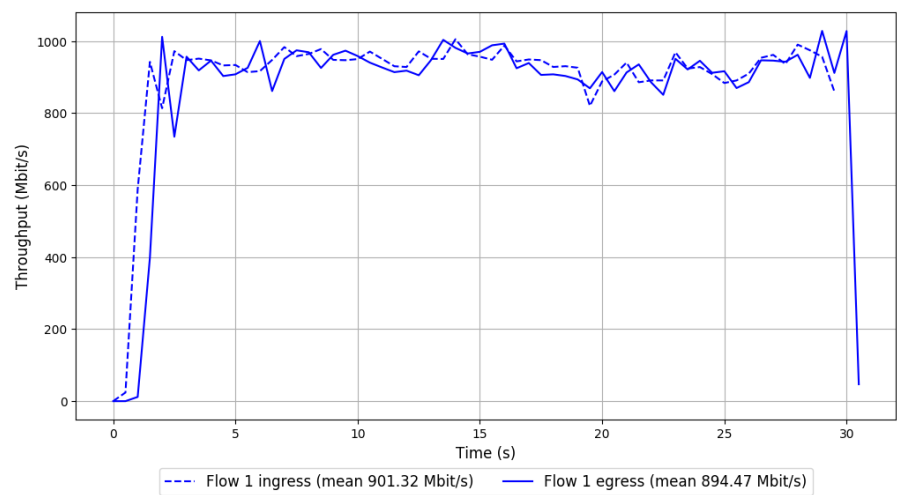
Run 7: Statistics of FillP

Start at: 2018-06-05 05:25:25  
End at: 2018-06-05 05:25:55  
Local clock offset: 12.342 ms  
Remote clock offset: -0.132 ms

# Below is generated by plot.py at 2018-06-05 07:18:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 894.47 Mbit/s  
95th percentile per-packet one-way delay: 141.218 ms  
Loss rate: 0.76%  
-- Flow 1:  
Average throughput: 894.47 Mbit/s  
95th percentile per-packet one-way delay: 141.218 ms  
Loss rate: 0.76%



Run 7: Report of FillP — Data Link

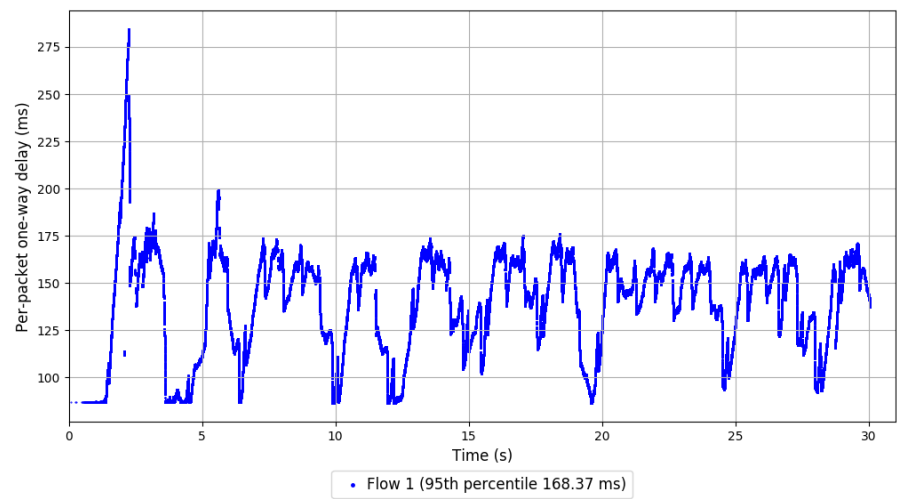
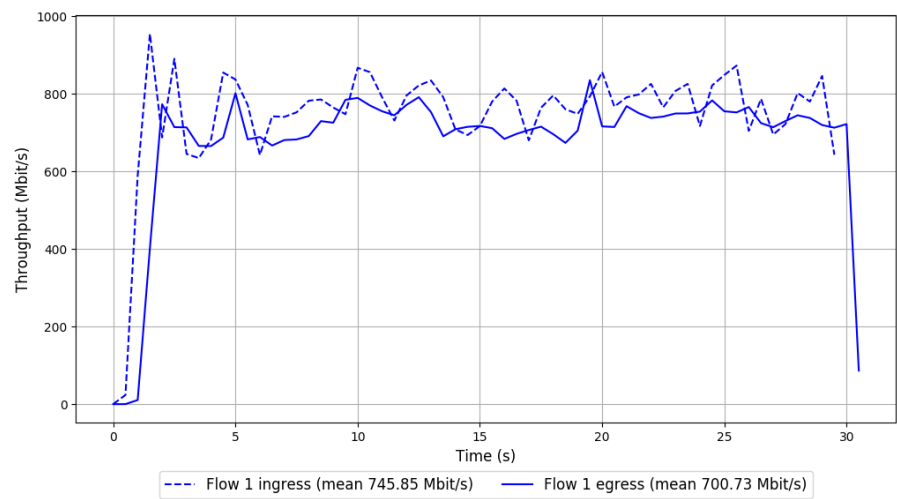


Run 8: Statistics of FillP

Start at: 2018-06-05 05:46:32  
End at: 2018-06-05 05:47:02  
Local clock offset: 2.512 ms  
Remote clock offset: -0.054 ms

# Below is generated by plot.py at 2018-06-05 07:18:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 700.73 Mbit/s  
95th percentile per-packet one-way delay: 168.372 ms  
Loss rate: 6.05%  
-- Flow 1:  
Average throughput: 700.73 Mbit/s  
95th percentile per-packet one-way delay: 168.372 ms  
Loss rate: 6.05%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-06-05 06:07:37

End at: 2018-06-05 06:08:07

Local clock offset: 3.308 ms

Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2018-06-05 07:29:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 782.61 Mbit/s

95th percentile per-packet one-way delay: 164.908 ms

Loss rate: 5.30%

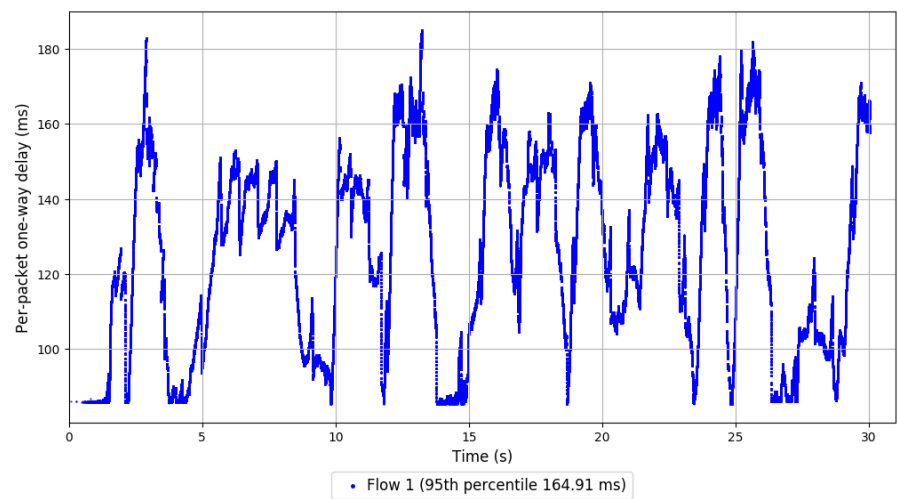
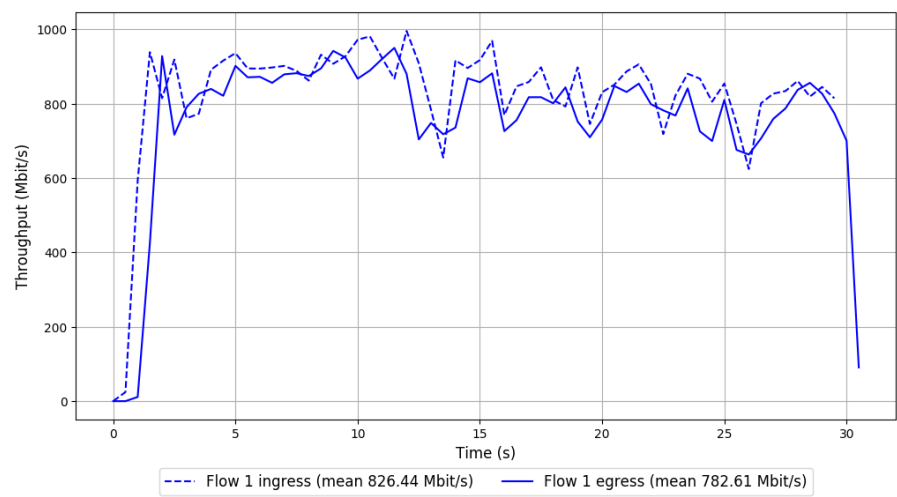
-- Flow 1:

Average throughput: 782.61 Mbit/s

95th percentile per-packet one-way delay: 164.908 ms

Loss rate: 5.30%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-06-05 06:28:23

End at: 2018-06-05 06:28:53

Local clock offset: 1.127 ms

Remote clock offset: -0.026 ms

# Below is generated by plot.py at 2018-06-05 07:29:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 761.67 Mbit/s

95th percentile per-packet one-way delay: 161.488 ms

Loss rate: 4.59%

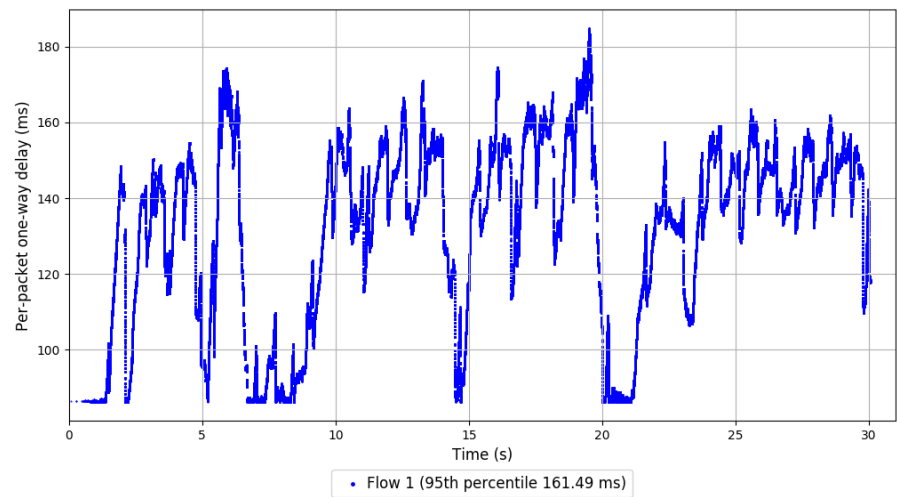
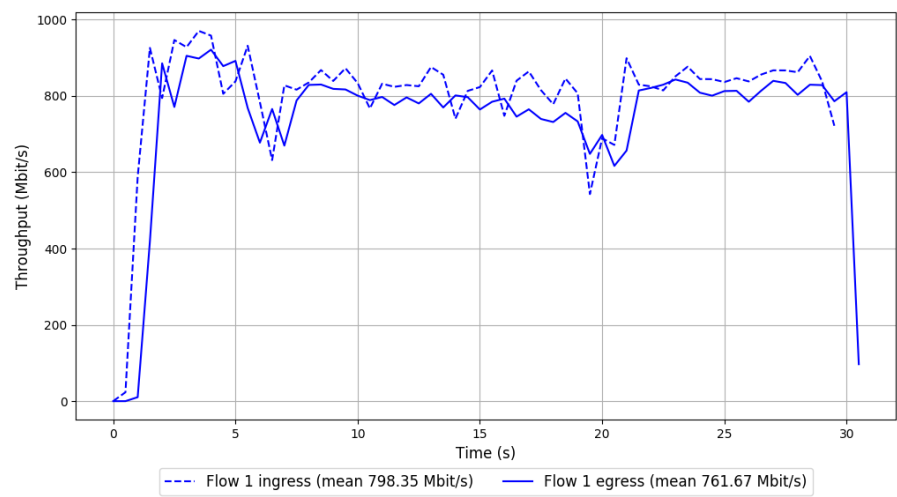
-- Flow 1:

Average throughput: 761.67 Mbit/s

95th percentile per-packet one-way delay: 161.488 ms

Loss rate: 4.59%

Run 10: Report of FillP — Data Link



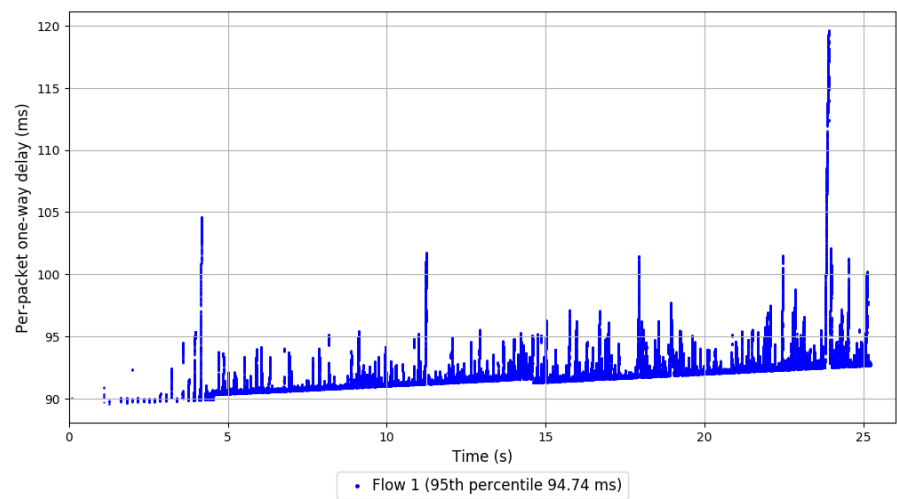
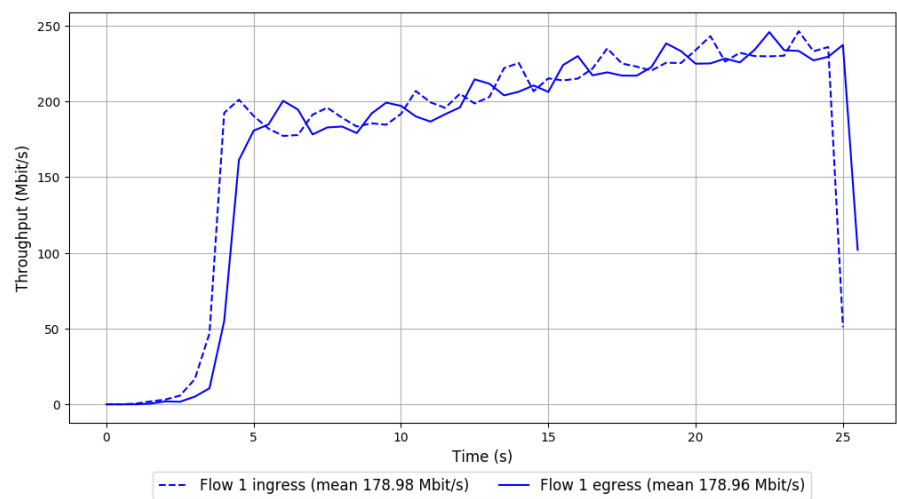
```
Run 1: Statistics of Indigo

Start at: 2018-06-05 03:16:02
End at: 2018-06-05 03:16:32
Local clock offset: 27.976 ms
Remote clock offset: -0.067 ms

# Below is generated by plot.py at 2018-06-05 07:29:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 178.96 Mbit/s
95th percentile per-packet one-way delay: 94.738 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 178.96 Mbit/s
95th percentile per-packet one-way delay: 94.738 ms
Loss rate: 0.00%
```



Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-06-05 03:36:33

End at: 2018-06-05 03:37:03

Local clock offset: 21.042 ms

Remote clock offset: 0.213 ms

# Below is generated by plot.py at 2018-06-05 07:29:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 199.32 Mbit/s

95th percentile per-packet one-way delay: 85.956 ms

Loss rate: 0.04%

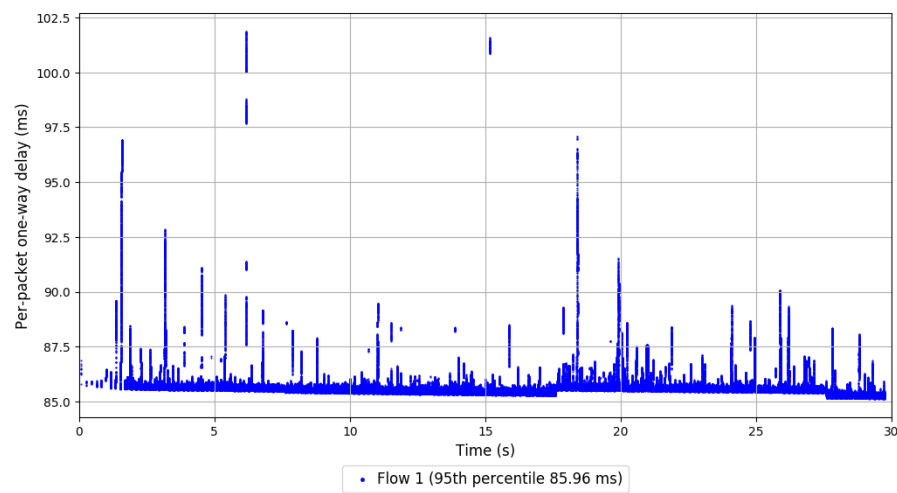
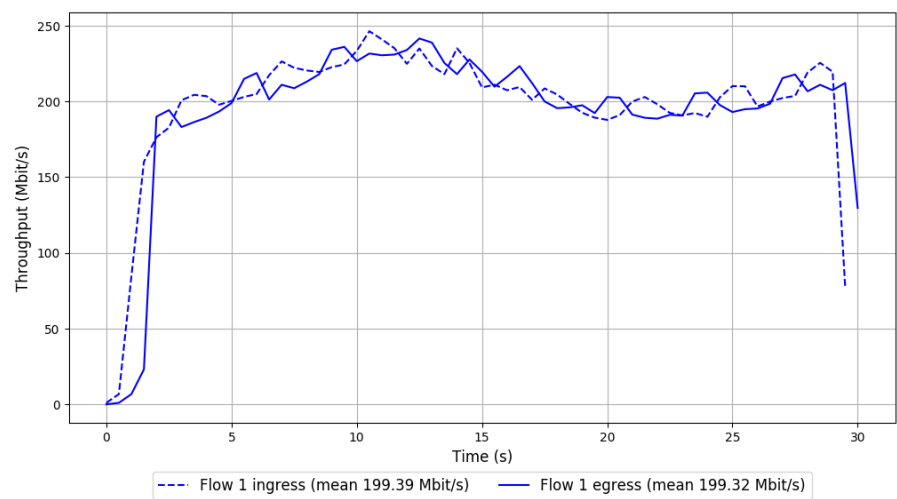
-- Flow 1:

Average throughput: 199.32 Mbit/s

95th percentile per-packet one-way delay: 85.956 ms

Loss rate: 0.04%

Run 2: Report of Indigo — Data Link

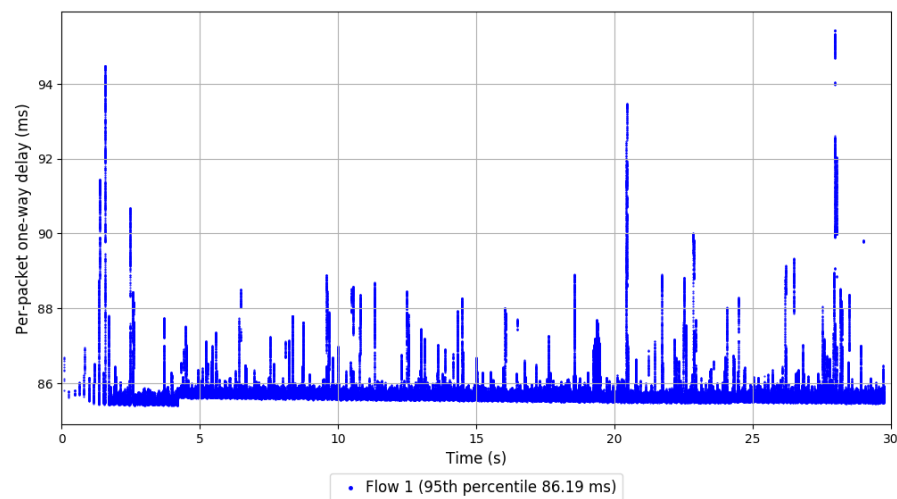
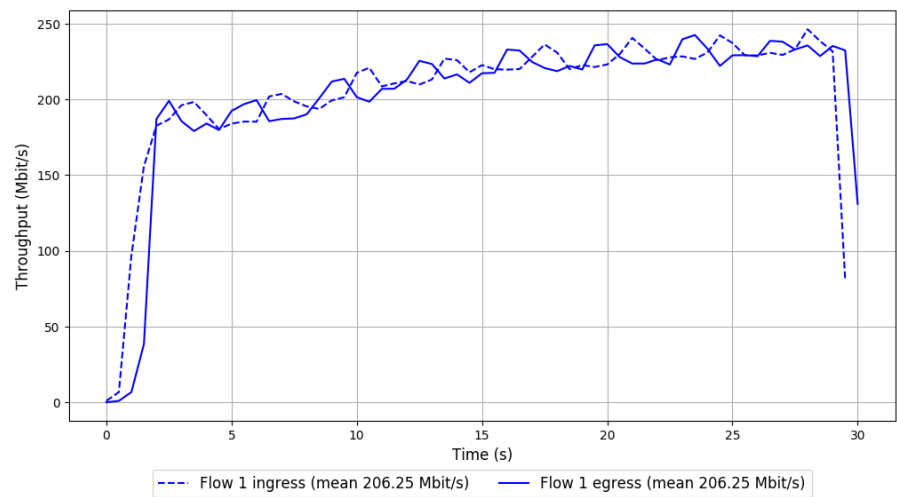


Run 3: Statistics of Indigo

Start at: 2018-06-05 03:57:17  
End at: 2018-06-05 03:57:47  
Local clock offset: 29.937 ms  
Remote clock offset: -0.087 ms

# Below is generated by plot.py at 2018-06-05 07:29:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 206.25 Mbit/s  
95th percentile per-packet one-way delay: 86.191 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 206.25 Mbit/s  
95th percentile per-packet one-way delay: 86.191 ms  
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

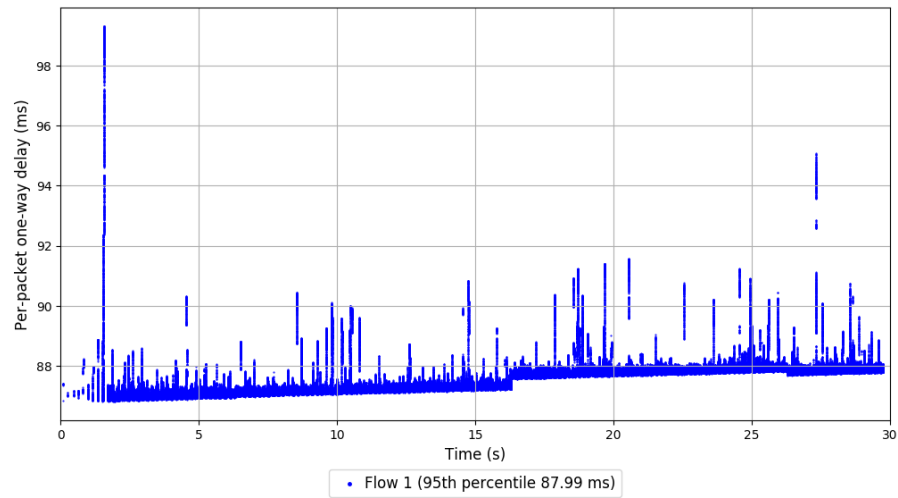
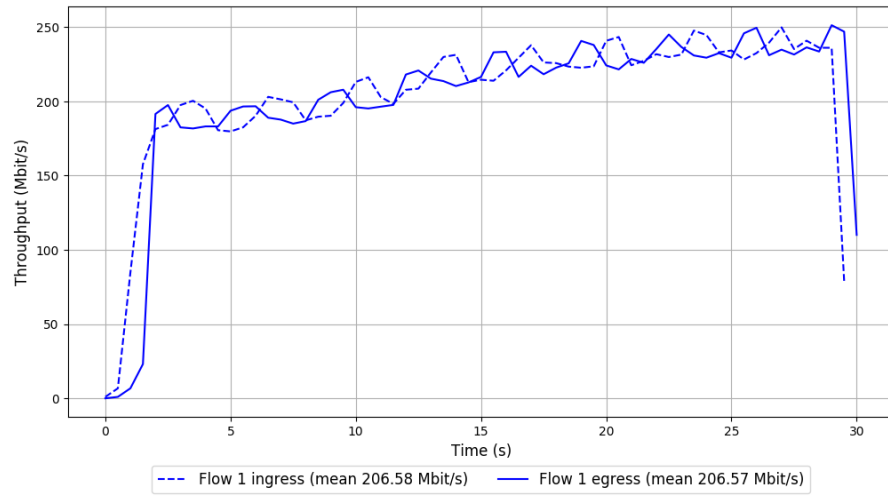


Run 4: Statistics of Indigo

Start at: 2018-06-05 04:18:05  
End at: 2018-06-05 04:18:35  
Local clock offset: 47.281 ms  
Remote clock offset: -0.179 ms

# Below is generated by plot.py at 2018-06-05 07:29:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 206.57 Mbit/s  
95th percentile per-packet one-way delay: 87.988 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 206.57 Mbit/s  
95th percentile per-packet one-way delay: 87.988 ms  
Loss rate: 0.00%

#### Run 4: Report of Indigo — Data Link



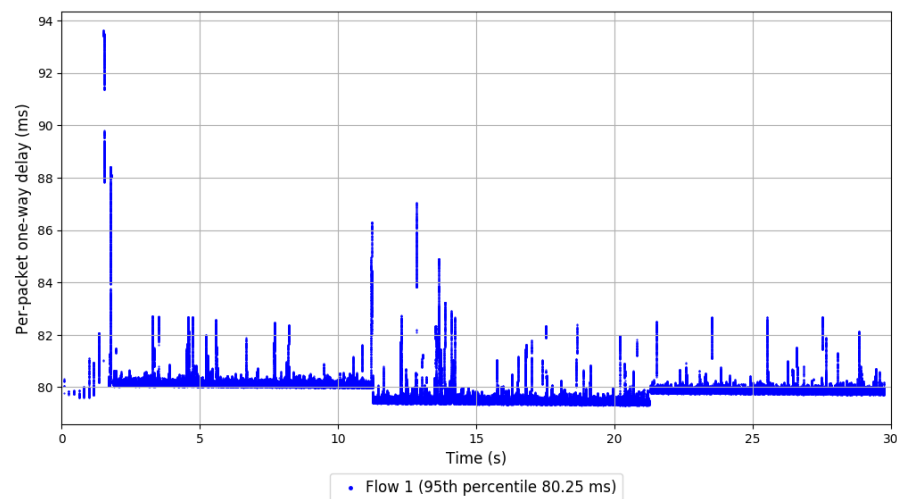
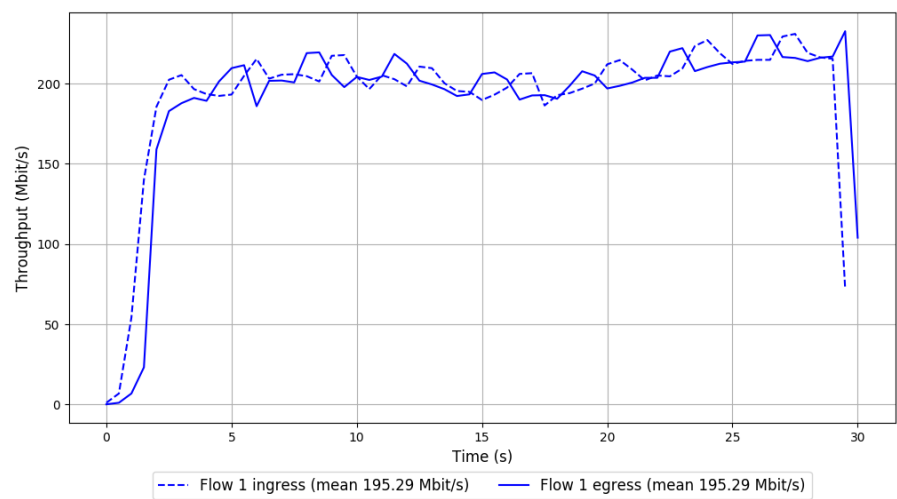
Run 5: Statistics of Indigo

Start at: 2018-06-05 04:39:00  
End at: 2018-06-05 04:39:30  
Local clock offset: 29.586 ms  
Remote clock offset: -0.082 ms

# Below is generated by plot.py at 2018-06-05 07:29:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 195.29 Mbit/s  
95th percentile per-packet one-way delay: 80.254 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 195.29 Mbit/s  
95th percentile per-packet one-way delay: 80.254 ms  
Loss rate: 0.00%



Run 5: Report of Indigo — Data Link

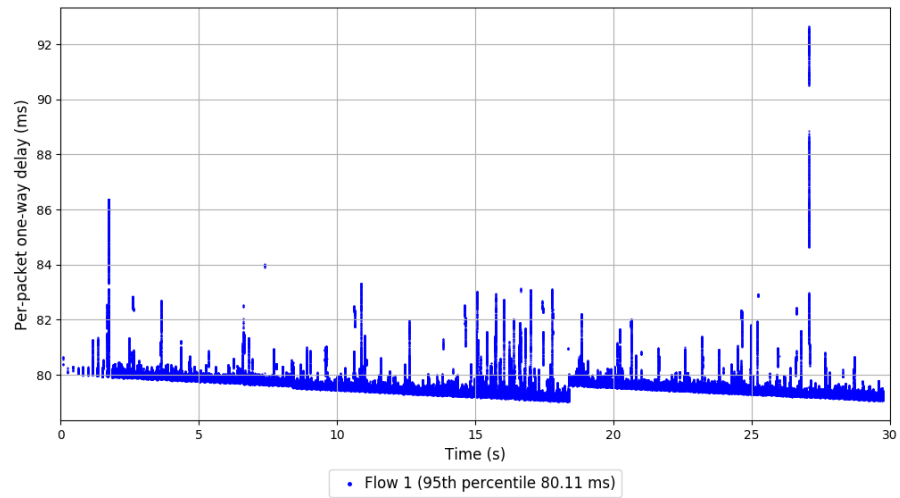
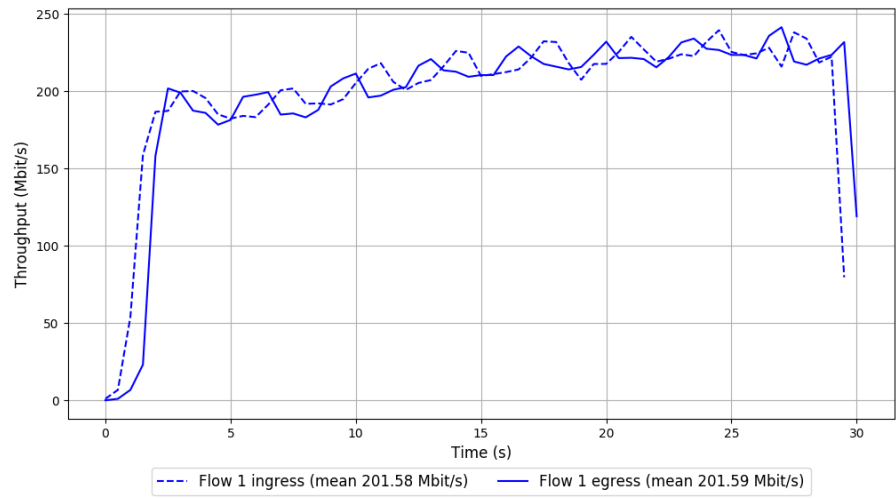


Run 6: Statistics of Indigo

Start at: 2018-06-05 04:59:53  
End at: 2018-06-05 05:00:23  
Local clock offset: 33.488 ms  
Remote clock offset: -0.099 ms

# Below is generated by plot.py at 2018-06-05 07:29:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 201.59 Mbit/s  
95th percentile per-packet one-way delay: 80.111 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 201.59 Mbit/s  
95th percentile per-packet one-way delay: 80.111 ms  
Loss rate: 0.00%

## Run 6: Report of Indigo — Data Link

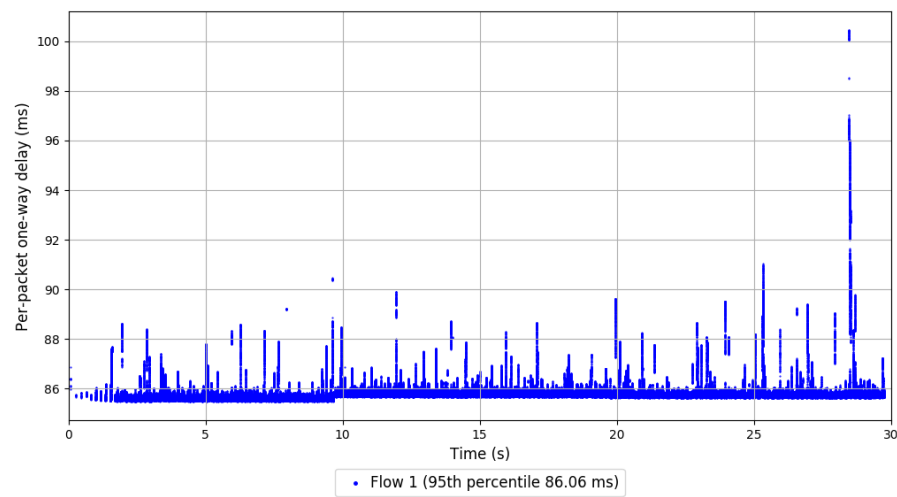
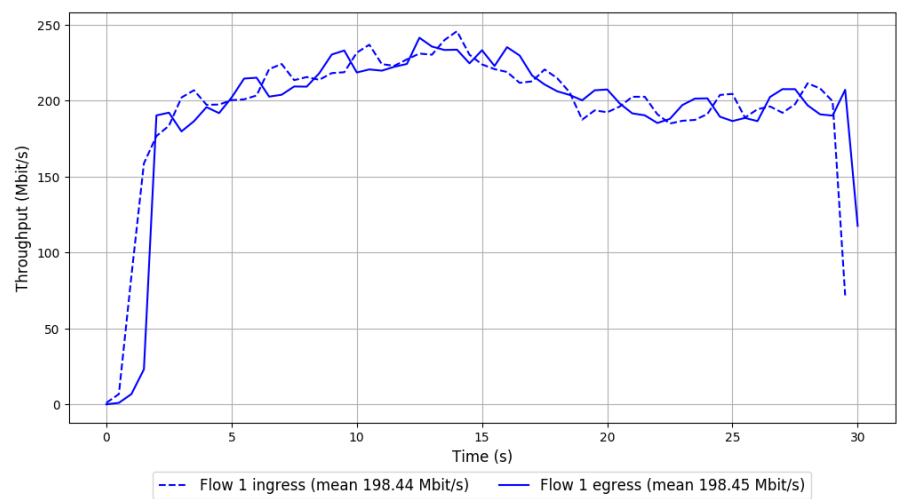


Run 7: Statistics of Indigo

Start at: 2018-06-05 05:20:41  
End at: 2018-06-05 05:21:11  
Local clock offset: 6.794 ms  
Remote clock offset: -0.119 ms

# Below is generated by plot.py at 2018-06-05 07:29:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 198.45 Mbit/s  
95th percentile per-packet one-way delay: 86.057 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 198.45 Mbit/s  
95th percentile per-packet one-way delay: 86.057 ms  
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

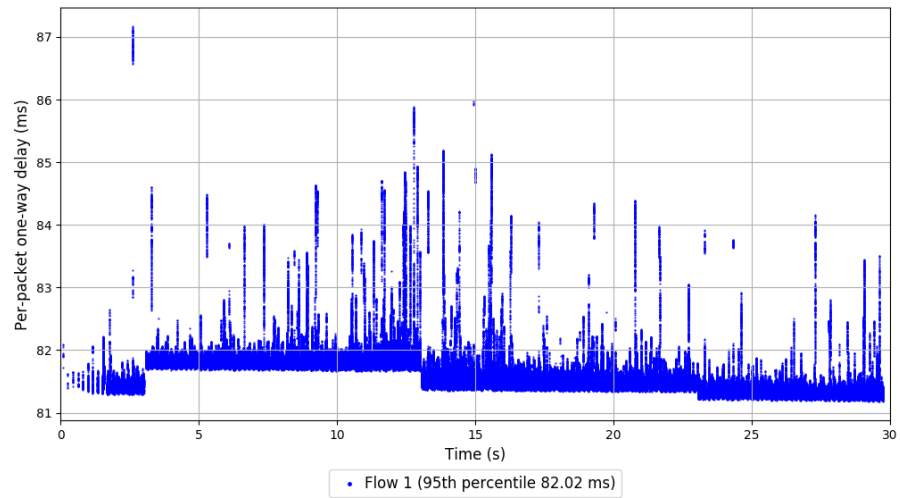
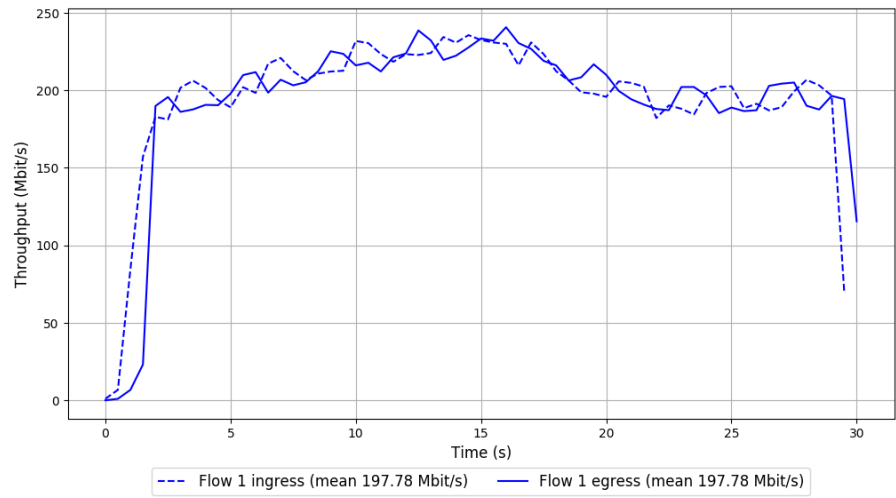


Run 8: Statistics of Indigo

Start at: 2018-06-05 05:41:48  
End at: 2018-06-05 05:42:18  
Local clock offset: 7.807 ms  
Remote clock offset: -0.112 ms

# Below is generated by plot.py at 2018-06-05 07:29:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 197.78 Mbit/s  
95th percentile per-packet one-way delay: 82.015 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 197.78 Mbit/s  
95th percentile per-packet one-way delay: 82.015 ms  
Loss rate: 0.00%

## Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-06-05 06:02:52

End at: 2018-06-05 06:03:22

Local clock offset: 2.4 ms

Remote clock offset: -0.069 ms

# Below is generated by plot.py at 2018-06-05 07:29:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 202.43 Mbit/s

95th percentile per-packet one-way delay: 87.421 ms

Loss rate: 0.00%

-- Flow 1:

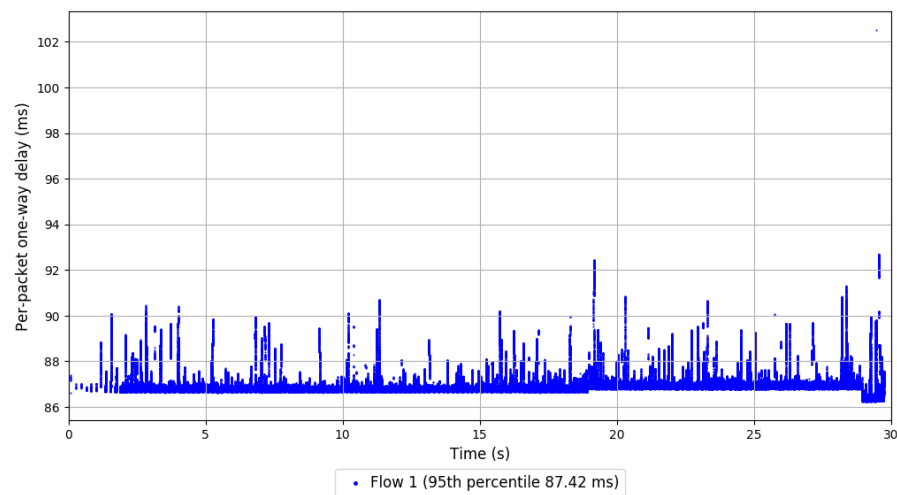
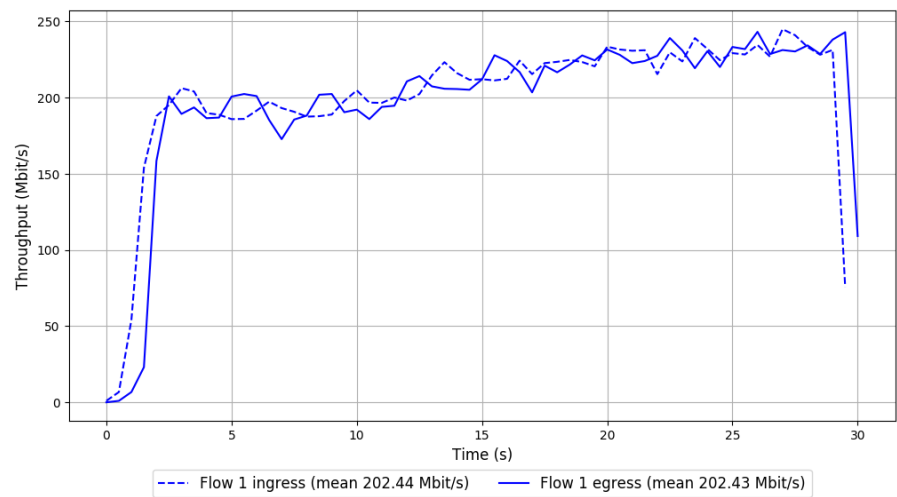
Average throughput: 202.43 Mbit/s

95th percentile per-packet one-way delay: 87.421 ms

Loss rate: 0.00%



Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-06-05 06:23:43

End at: 2018-06-05 06:24:13

Local clock offset: 5.524 ms

Remote clock offset: -0.044 ms

# Below is generated by plot.py at 2018-06-05 07:29:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 197.29 Mbit/s

95th percentile per-packet one-way delay: 82.706 ms

Loss rate: 0.02%

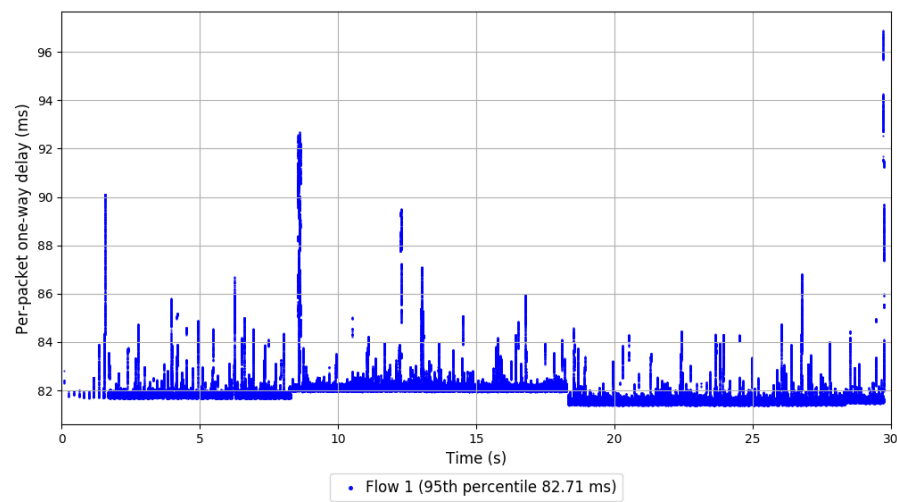
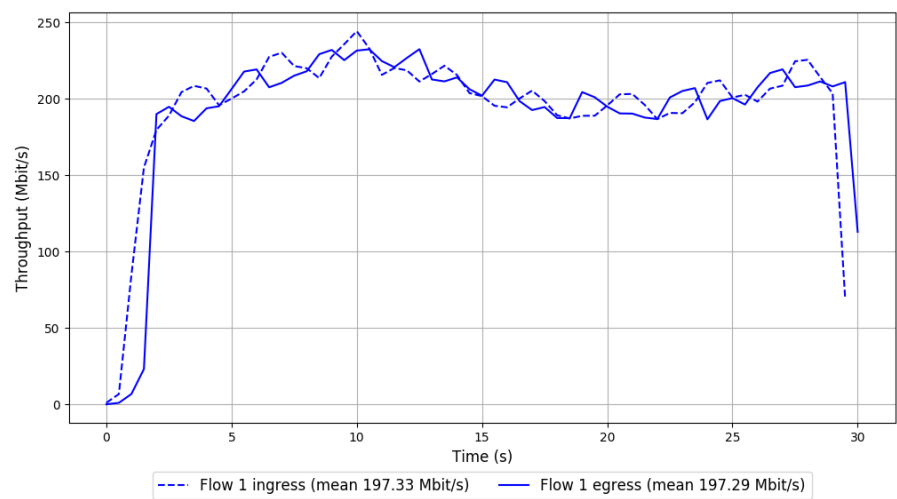
-- Flow 1:

Average throughput: 197.29 Mbit/s

95th percentile per-packet one-way delay: 82.706 ms

Loss rate: 0.02%

Run 10: Report of Indigo — Data Link

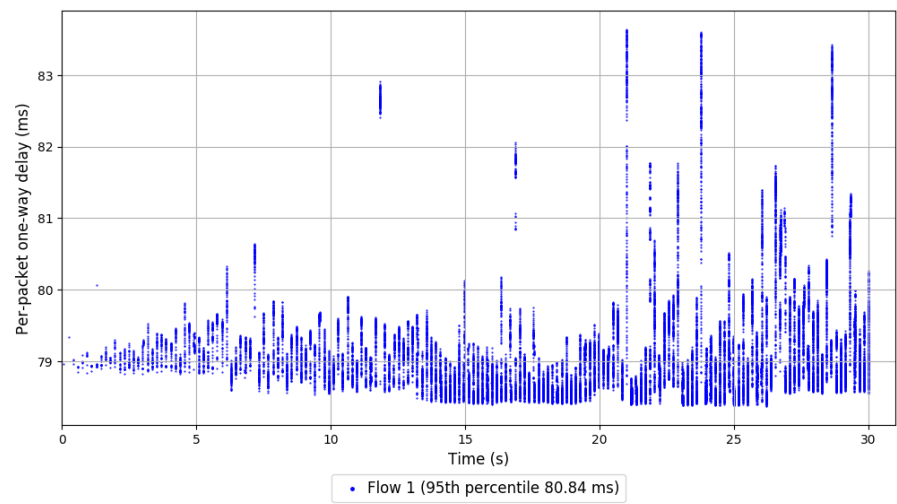
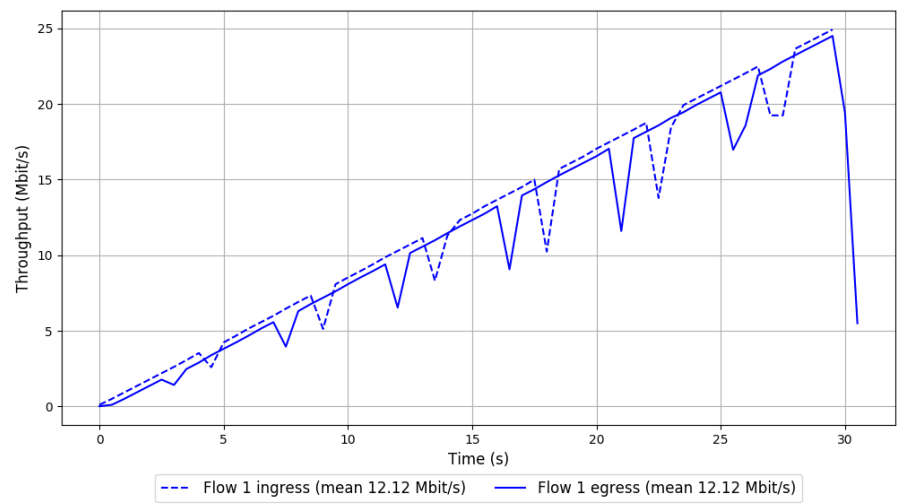


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-05 03:18:25
End at: 2018-06-05 03:18:55
Local clock offset: 34.146 ms
Remote clock offset: -0.024 ms

# Below is generated by plot.py at 2018-06-05 07:29:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 80.839 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 80.839 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

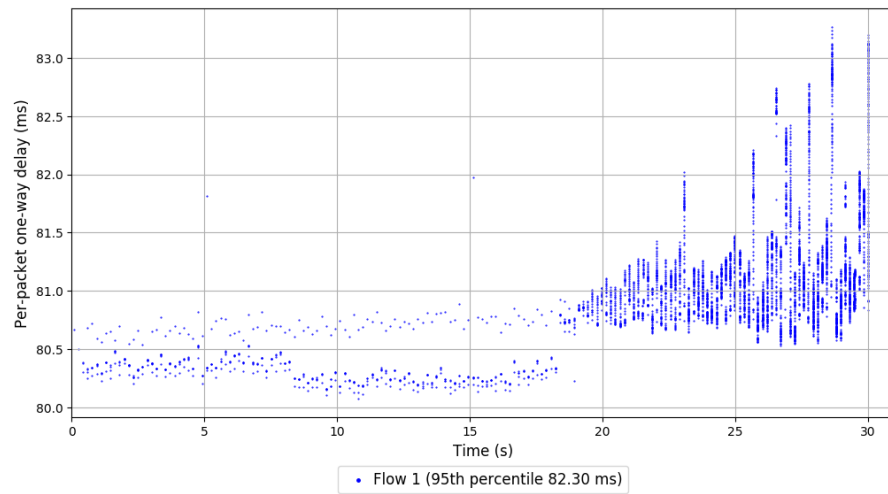
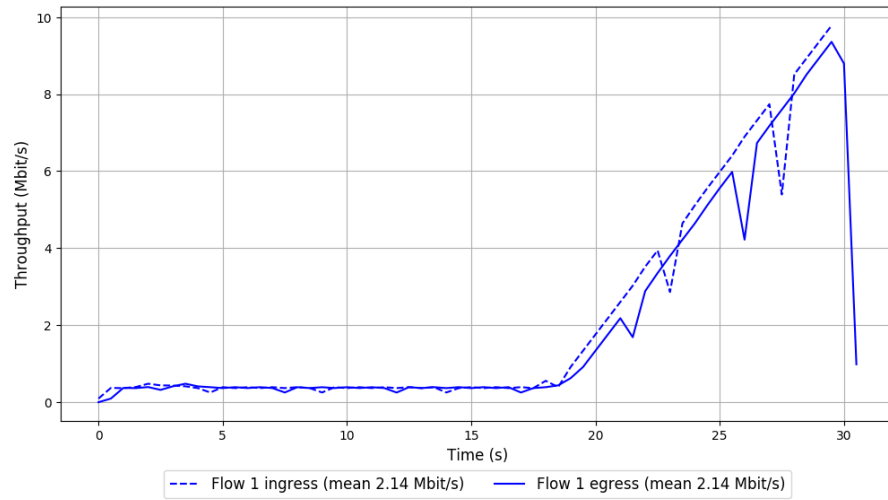


```
Run 2: Statistics of LEDBAT

Start at: 2018-06-05 03:39:03
End at: 2018-06-05 03:39:33
Local clock offset: 25.917 ms
Remote clock offset: 0.261 ms

# Below is generated by plot.py at 2018-06-05 07:29:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 82.297 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 82.297 ms
Loss rate: 0.00%
```

## Run 2: Report of LEDBAT — Data Link



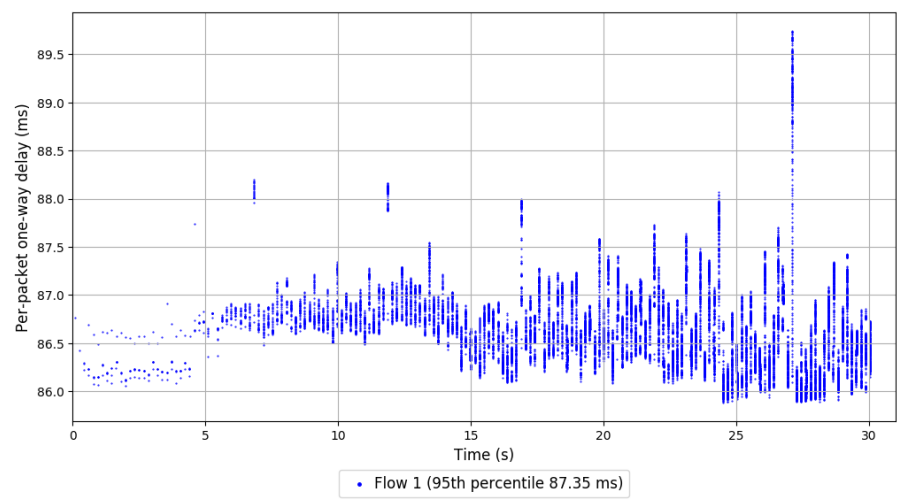
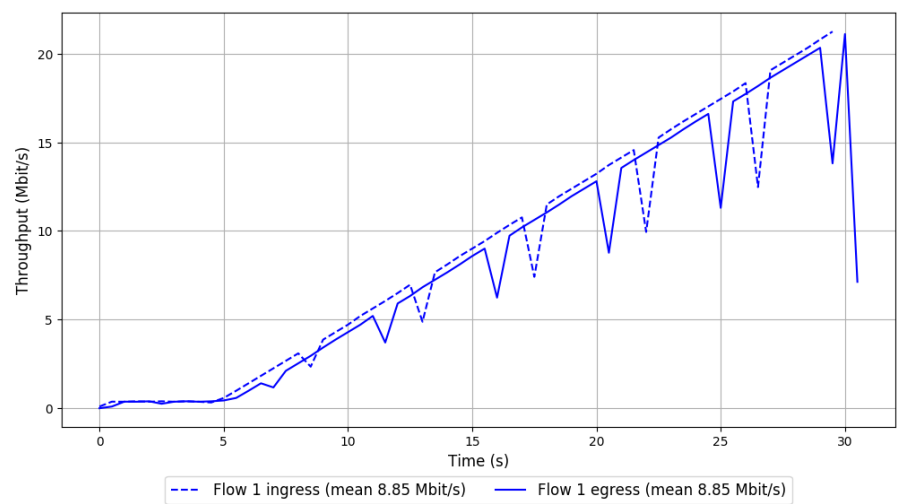
Run 3: Statistics of LEDBAT

Start at: 2018-06-05 03:59:47  
End at: 2018-06-05 04:00:17  
Local clock offset: 29.053 ms  
Remote clock offset: -0.115 ms

# Below is generated by plot.py at 2018-06-05 07:29:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 8.85 Mbit/s  
95th percentile per-packet one-way delay: 87.346 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 8.85 Mbit/s  
95th percentile per-packet one-way delay: 87.346 ms  
Loss rate: 0.00%



Run 3: Report of LEDBAT — Data Link

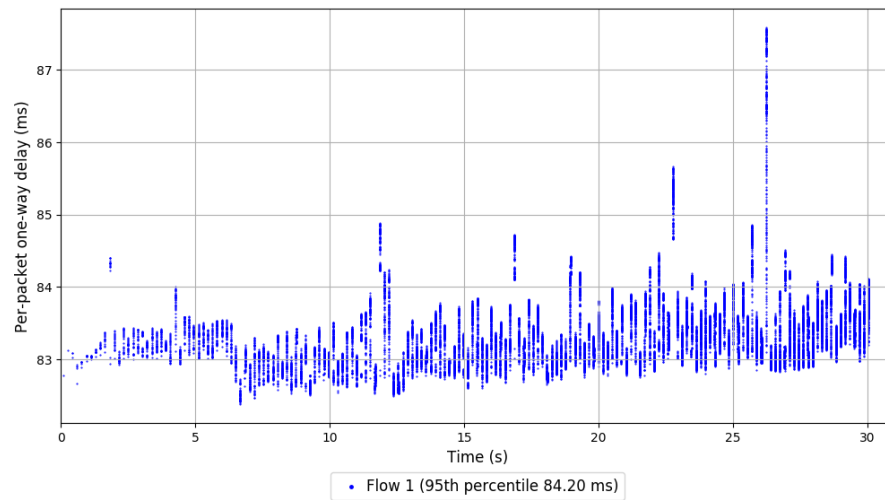
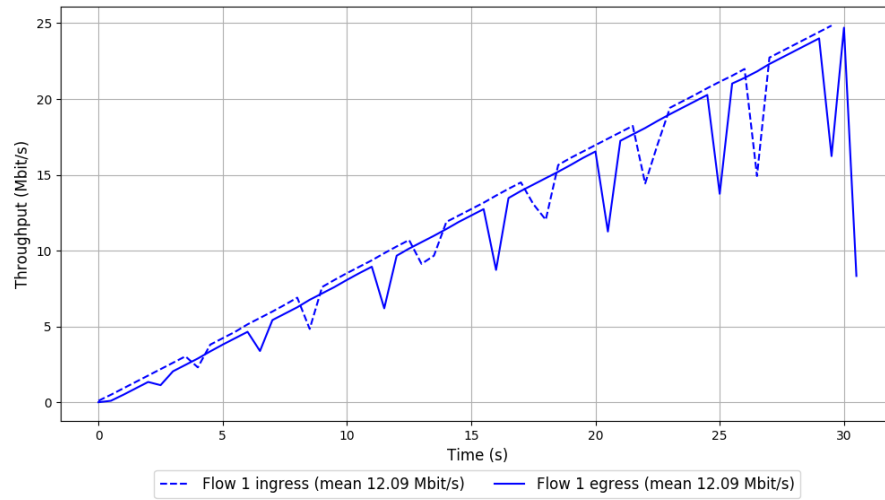


Run 4: Statistics of LEDBAT

Start at: 2018-06-05 04:20:35  
End at: 2018-06-05 04:21:05  
Local clock offset: 55.574 ms  
Remote clock offset: -0.155 ms

# Below is generated by plot.py at 2018-06-05 07:29:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.09 Mbit/s  
95th percentile per-packet one-way delay: 84.200 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 12.09 Mbit/s  
95th percentile per-packet one-way delay: 84.200 ms  
Loss rate: 0.00%

#### Run 4: Report of LEDBAT — Data Link

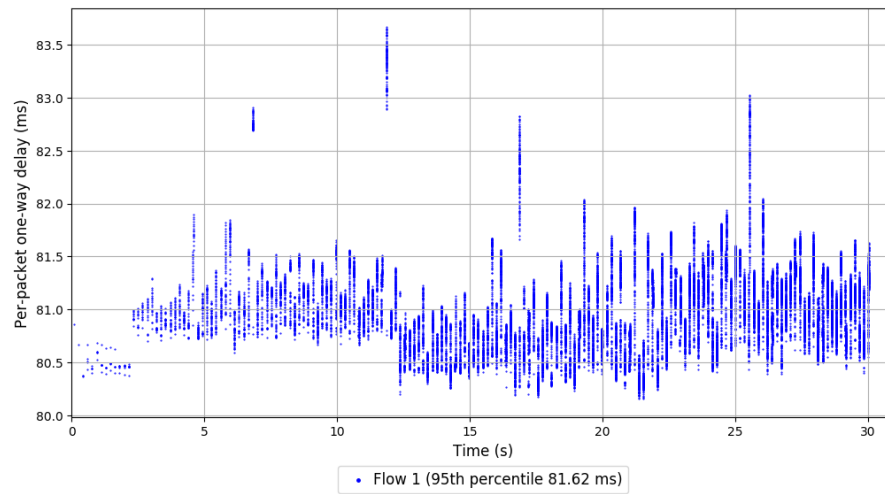
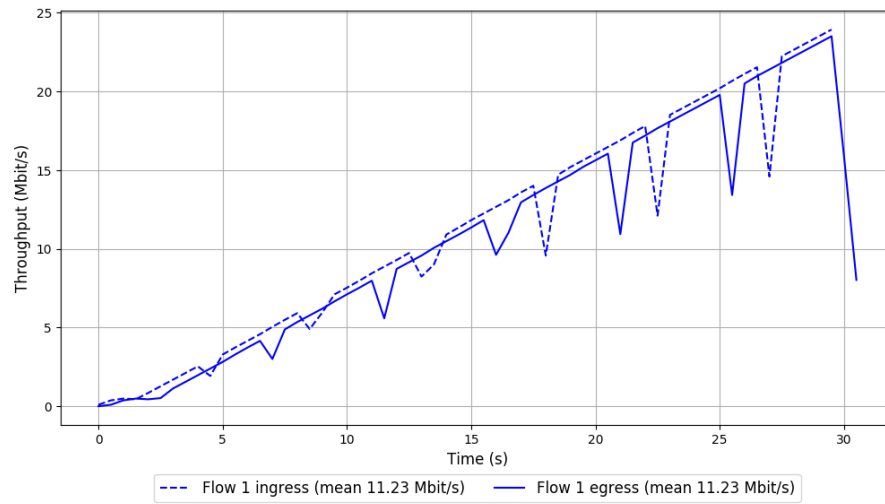


Run 5: Statistics of LEDBAT

Start at: 2018-06-05 04:41:29  
End at: 2018-06-05 04:41:59  
Local clock offset: 28.274 ms  
Remote clock offset: -0.082 ms

# Below is generated by plot.py at 2018-06-05 07:29:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.23 Mbit/s  
95th percentile per-packet one-way delay: 81.616 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 11.23 Mbit/s  
95th percentile per-packet one-way delay: 81.616 ms  
Loss rate: 0.00%

### Run 5: Report of LEDBAT — Data Link

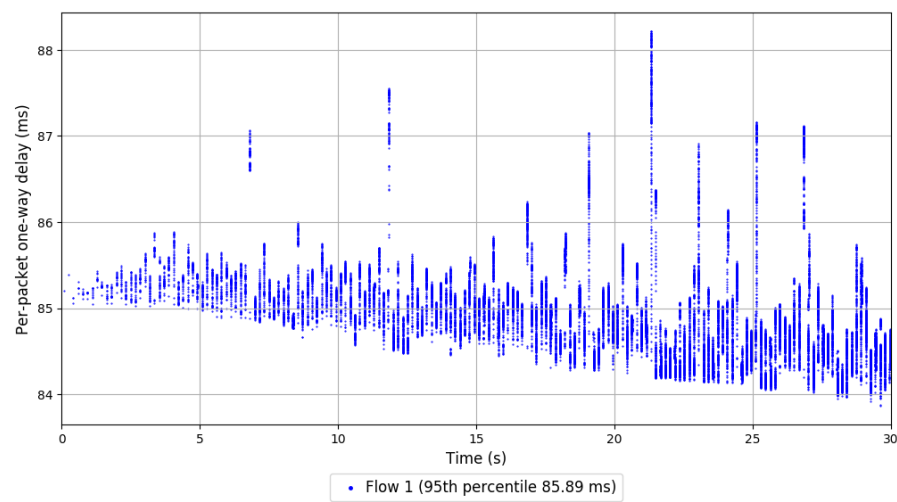
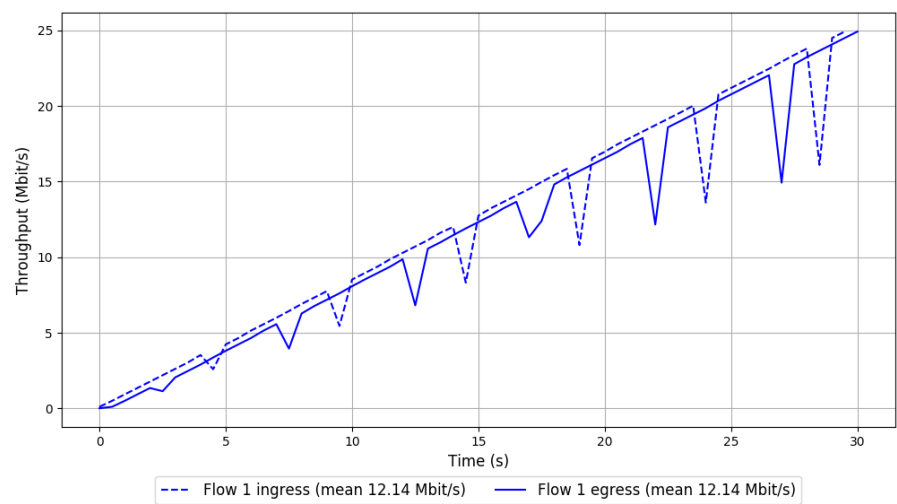


Run 6: Statistics of LEDBAT

Start at: 2018-06-05 05:02:23  
End at: 2018-06-05 05:02:53  
Local clock offset: 21.987 ms  
Remote clock offset: -0.122 ms

# Below is generated by plot.py at 2018-06-05 07:29:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.14 Mbit/s  
95th percentile per-packet one-way delay: 85.895 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 12.14 Mbit/s  
95th percentile per-packet one-way delay: 85.895 ms  
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



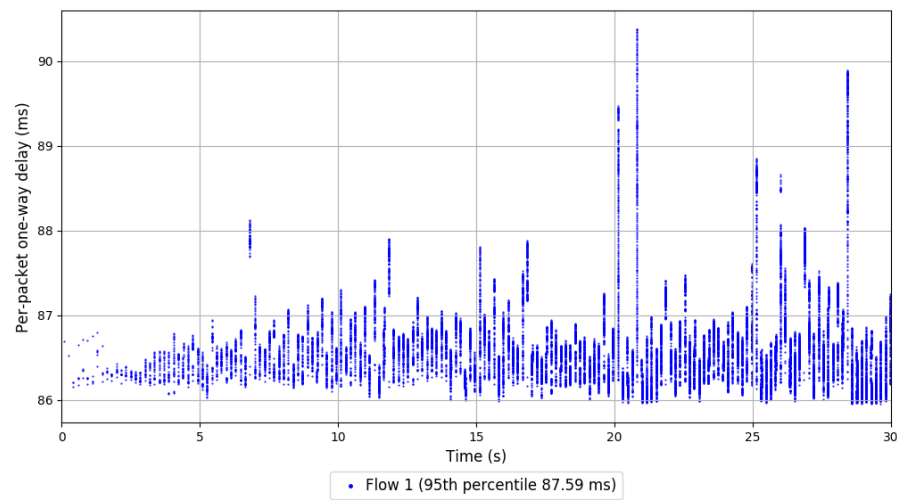
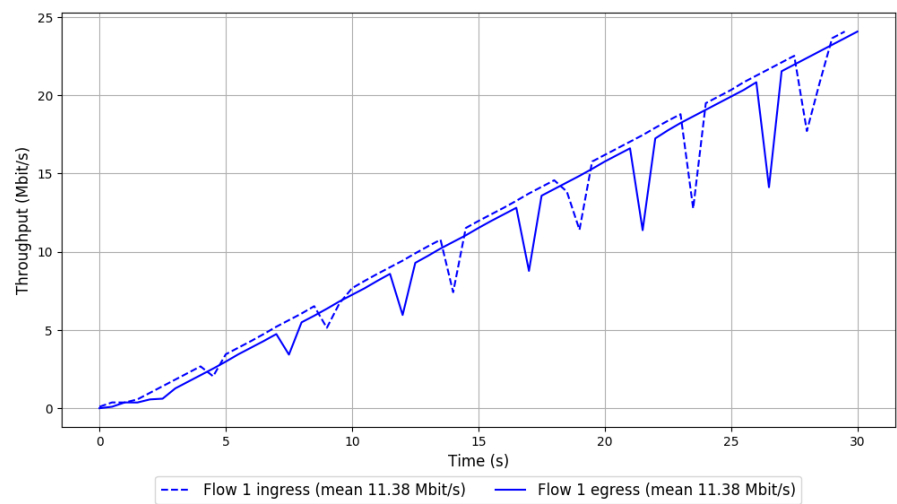
Run 7: Statistics of LEDBAT

Start at: 2018-06-05 05:23:11  
End at: 2018-06-05 05:23:41  
Local clock offset: 6.111 ms  
Remote clock offset: -0.156 ms

# Below is generated by plot.py at 2018-06-05 07:29:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.38 Mbit/s  
95th percentile per-packet one-way delay: 87.593 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 11.38 Mbit/s  
95th percentile per-packet one-way delay: 87.593 ms  
Loss rate: 0.00%



Run 7: Report of LEDBAT — Data Link

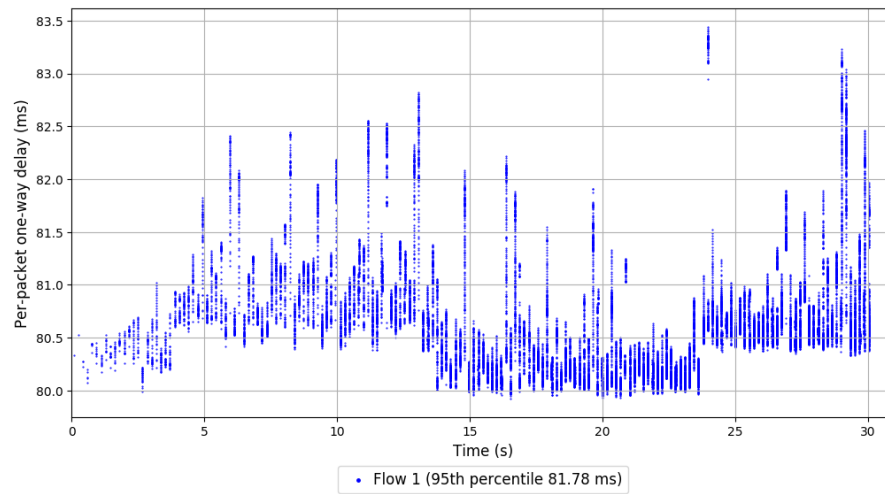
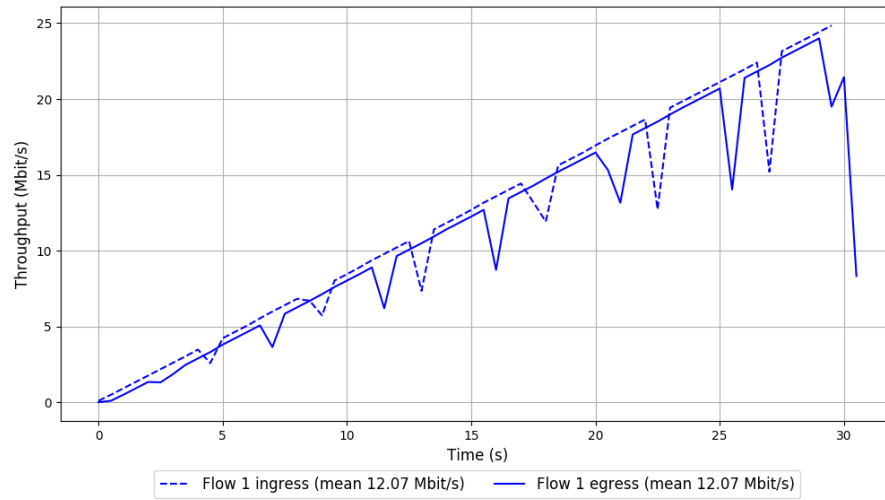


Run 8: Statistics of LEDBAT

Start at: 2018-06-05 05:44:18  
End at: 2018-06-05 05:44:48  
Local clock offset: 8.732 ms  
Remote clock offset: -0.087 ms

# Below is generated by plot.py at 2018-06-05 07:29:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.07 Mbit/s  
95th percentile per-packet one-way delay: 81.784 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 12.07 Mbit/s  
95th percentile per-packet one-way delay: 81.784 ms  
Loss rate: 0.00%

# Run 8: Report of LEDBAT — Data Link

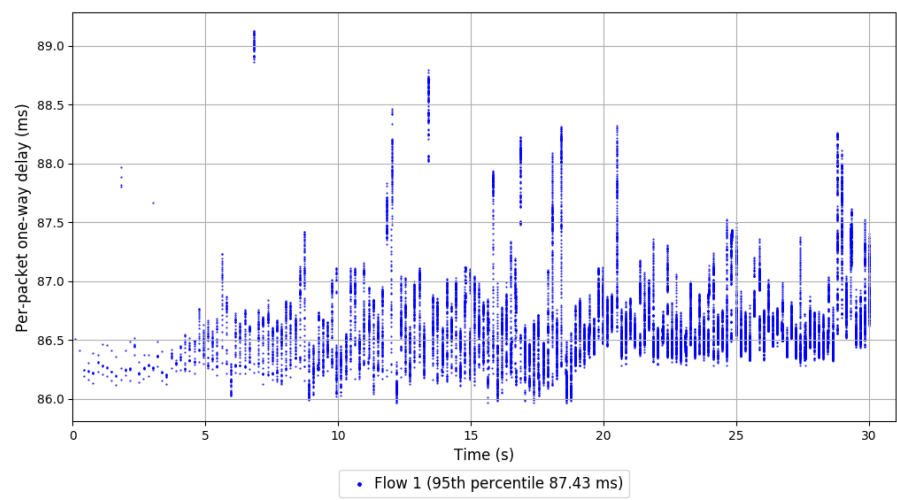
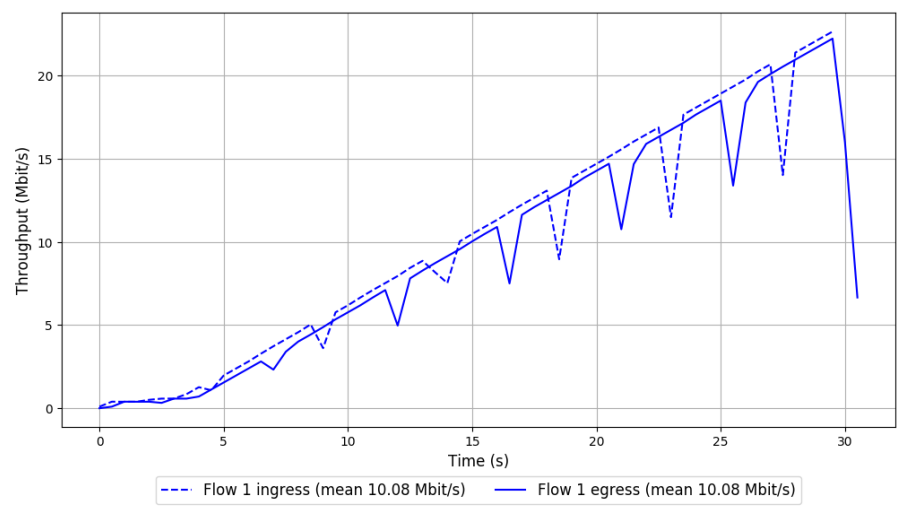


Run 9: Statistics of LEDBAT

Start at: 2018-06-05 06:05:22  
End at: 2018-06-05 06:05:52  
Local clock offset: 2.789 ms  
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2018-06-05 07:29:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 10.08 Mbit/s  
95th percentile per-packet one-way delay: 87.432 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 10.08 Mbit/s  
95th percentile per-packet one-way delay: 87.432 ms  
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-06-05 06:26:09

End at: 2018-06-05 06:26:39

Local clock offset: 0.894 ms

Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2018-06-05 07:29:09

# Datalink statistics

-- Total of 1 flow:

Average throughput: 10.82 Mbit/s

95th percentile per-packet one-way delay: 87.673 ms

Loss rate: 0.00%

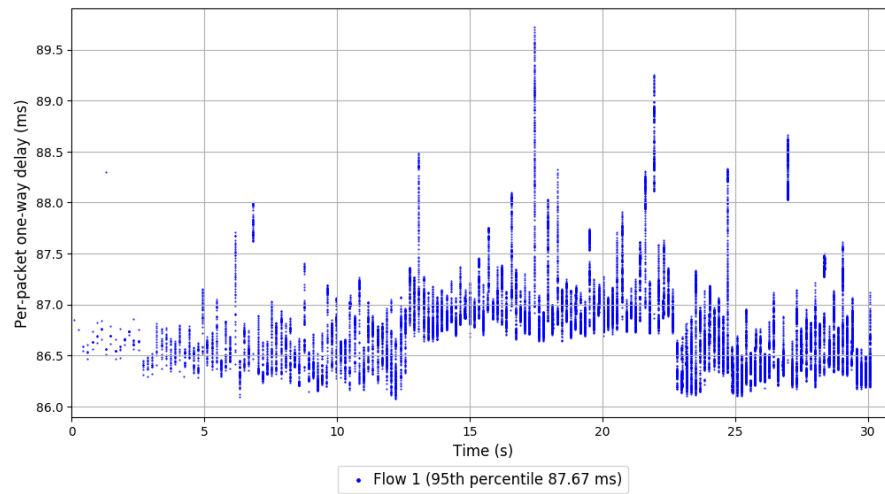
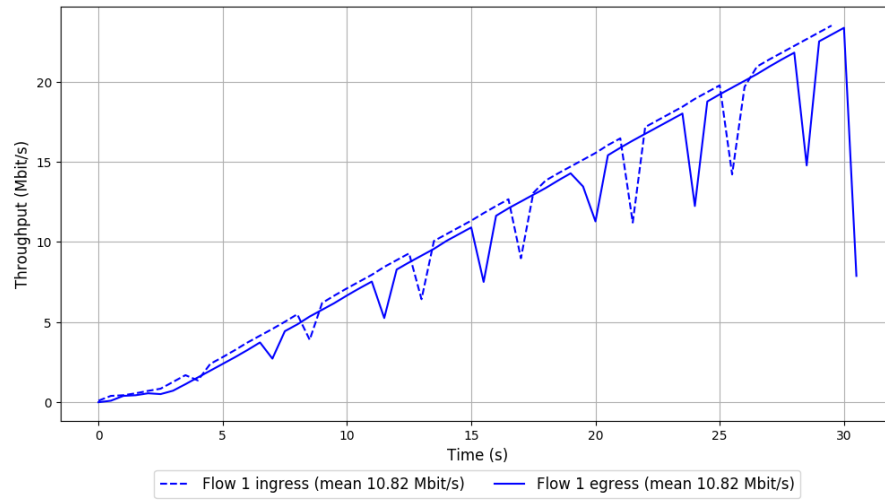
-- Flow 1:

Average throughput: 10.82 Mbit/s

95th percentile per-packet one-way delay: 87.673 ms

Loss rate: 0.00%

# Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-06-05 03:09:56

End at: 2018-06-05 03:10:26

Local clock offset: 11.325 ms

Remote clock offset: -0.054 ms

# Below is generated by plot.py at 2018-06-05 07:29:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 530.32 Mbit/s

95th percentile per-packet one-way delay: 171.915 ms

Loss rate: 1.19%

-- Flow 1:

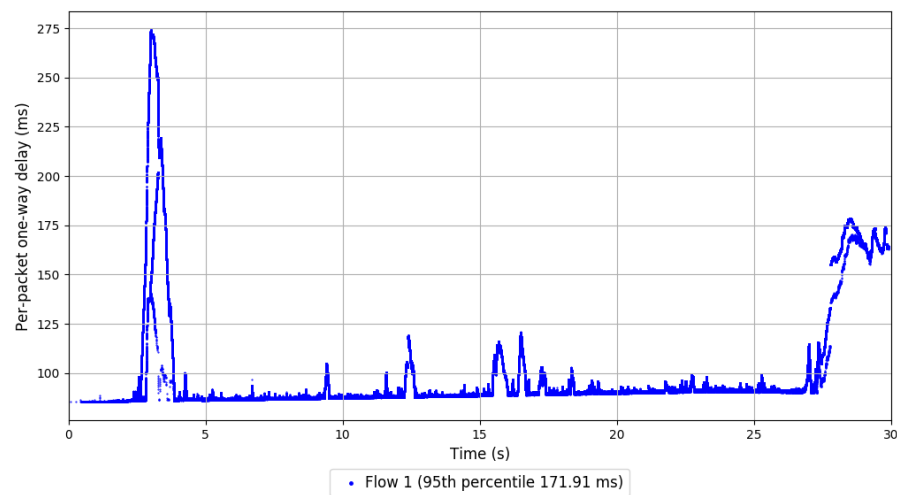
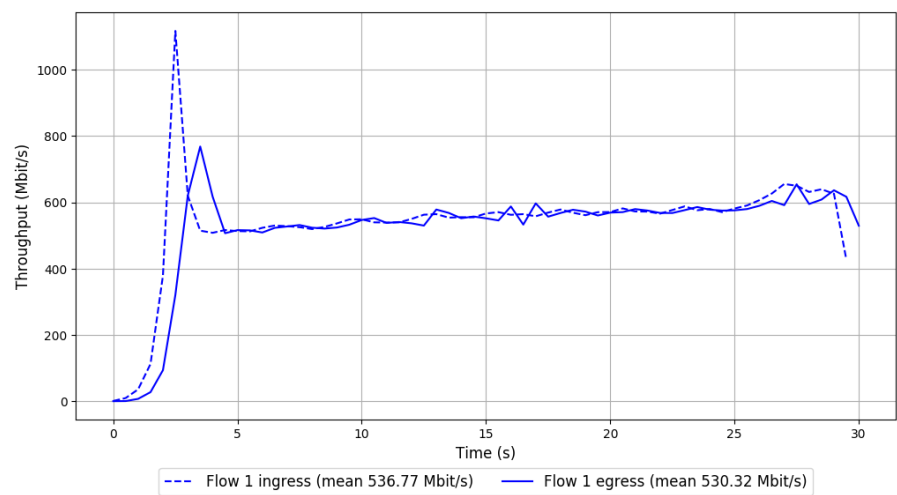
Average throughput: 530.32 Mbit/s

95th percentile per-packet one-way delay: 171.915 ms

Loss rate: 1.19%



Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-06-05 03:30:25

End at: 2018-06-05 03:30:55

Local clock offset: 24.79 ms

Remote clock offset: 0.161 ms

# Below is generated by plot.py at 2018-06-05 07:30:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 568.47 Mbit/s

95th percentile per-packet one-way delay: 199.470 ms

Loss rate: 1.28%

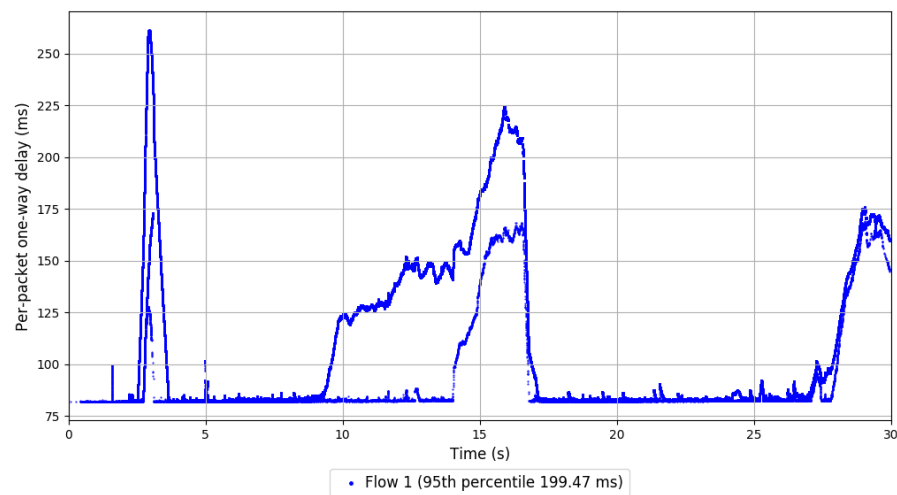
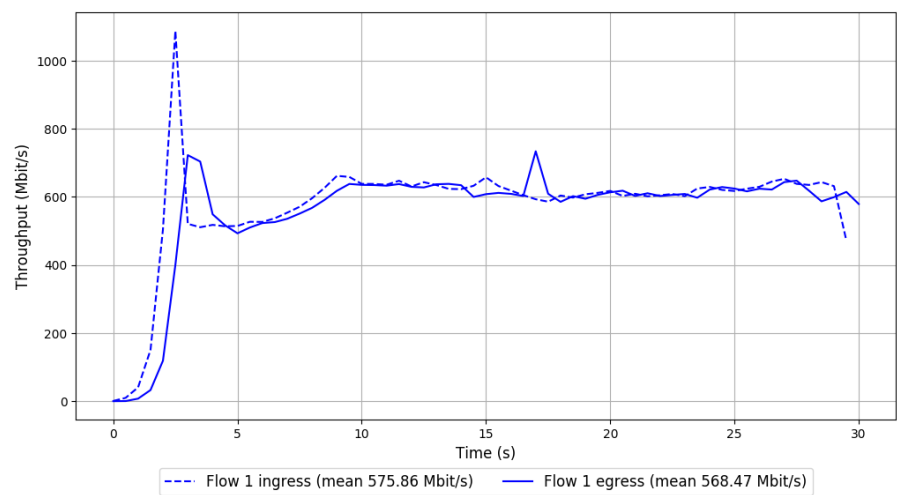
-- Flow 1:

Average throughput: 568.47 Mbit/s

95th percentile per-packet one-way delay: 199.470 ms

Loss rate: 1.28%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-06-05 03:51:10

End at: 2018-06-05 03:51:40

Local clock offset: 39.349 ms

Remote clock offset: 0.002 ms

# Below is generated by plot.py at 2018-06-05 07:30:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 575.64 Mbit/s

95th percentile per-packet one-way delay: 189.031 ms

Loss rate: 1.10%

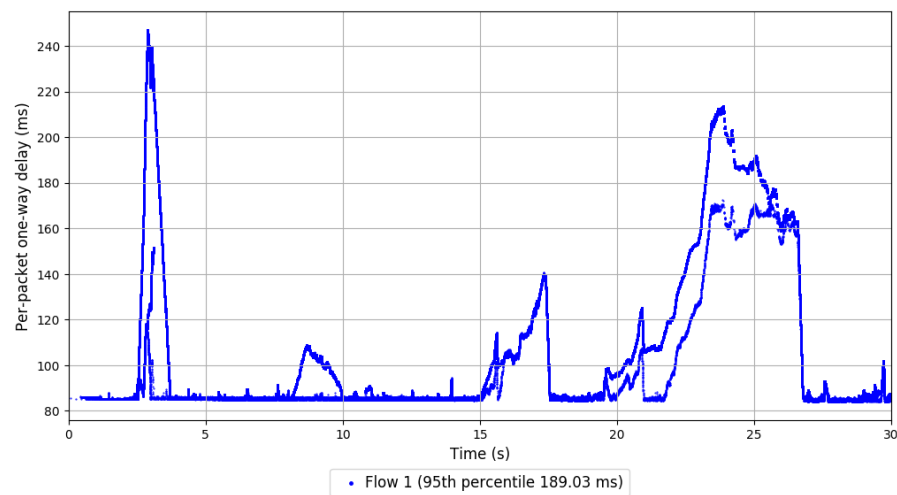
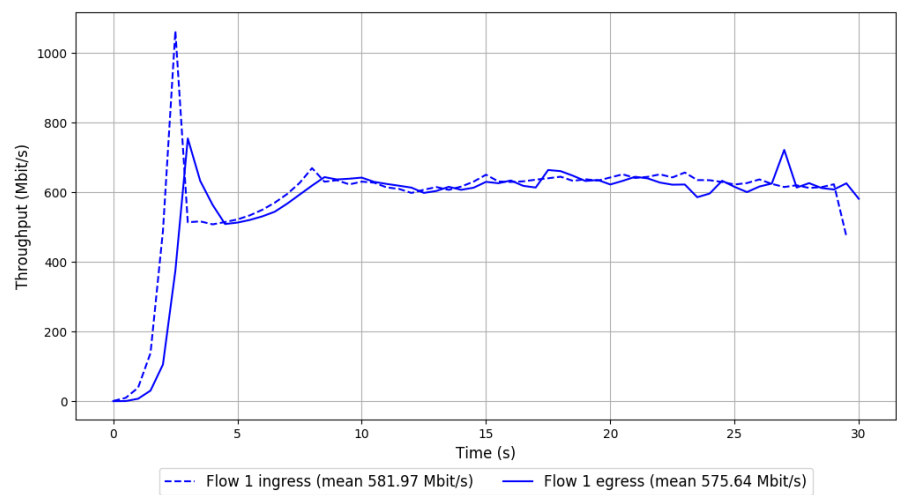
-- Flow 1:

Average throughput: 575.64 Mbit/s

95th percentile per-packet one-way delay: 189.031 ms

Loss rate: 1.10%

Run 3: Report of PCC-Allegro — Data Link

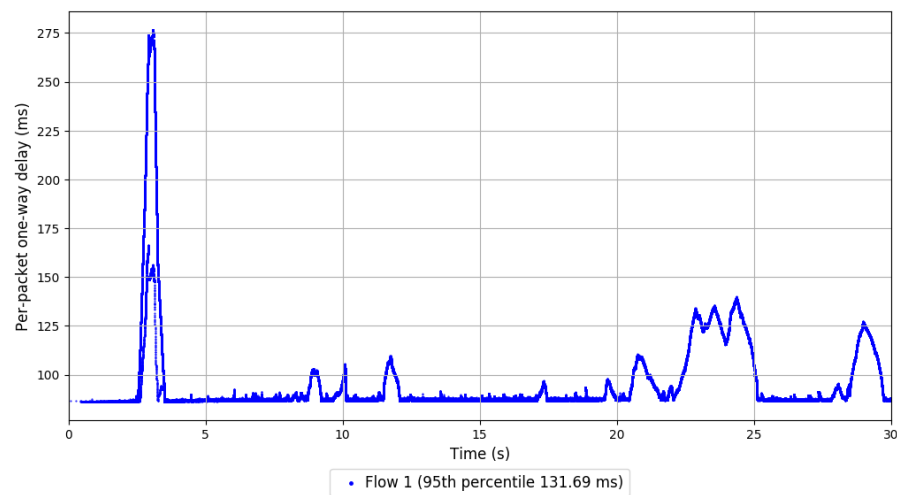
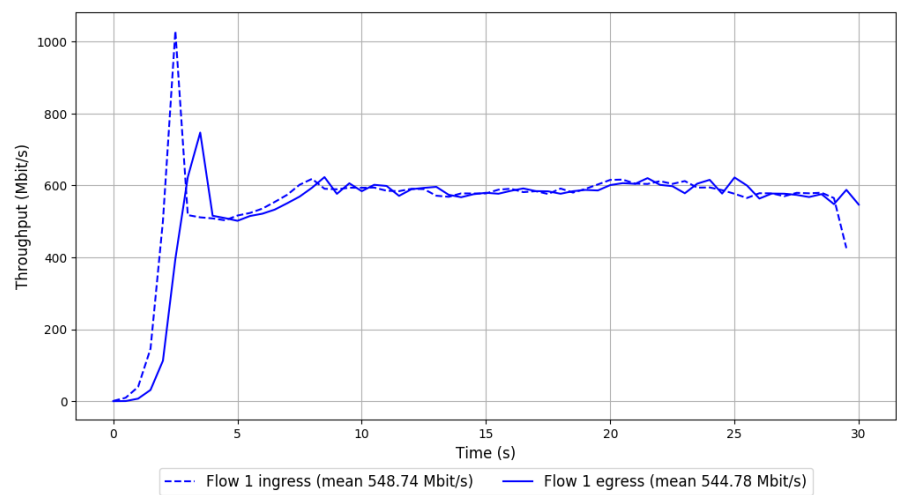


Run 4: Statistics of PCC-Allegro

Start at: 2018-06-05 04:11:57  
End at: 2018-06-05 04:12:27  
Local clock offset: 39.033 ms  
Remote clock offset: -0.161 ms

# Below is generated by plot.py at 2018-06-05 07:30:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 544.78 Mbit/s  
95th percentile per-packet one-way delay: 131.692 ms  
Loss rate: 0.72%  
-- Flow 1:  
Average throughput: 544.78 Mbit/s  
95th percentile per-packet one-way delay: 131.692 ms  
Loss rate: 0.72%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-06-05 04:32:54

End at: 2018-06-05 04:33:24

Local clock offset: 35.782 ms

Remote clock offset: -0.071 ms

# Below is generated by plot.py at 2018-06-05 07:31:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 554.68 Mbit/s

95th percentile per-packet one-way delay: 159.071 ms

Loss rate: 0.78%

-- Flow 1:

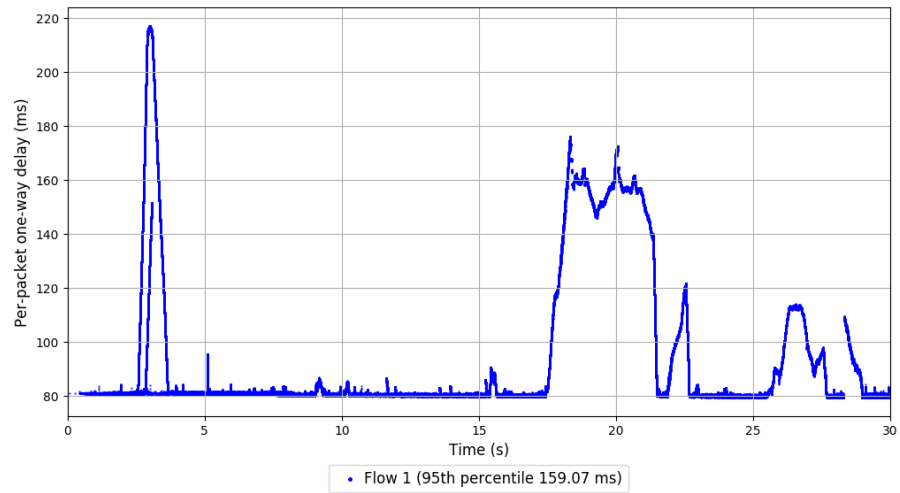
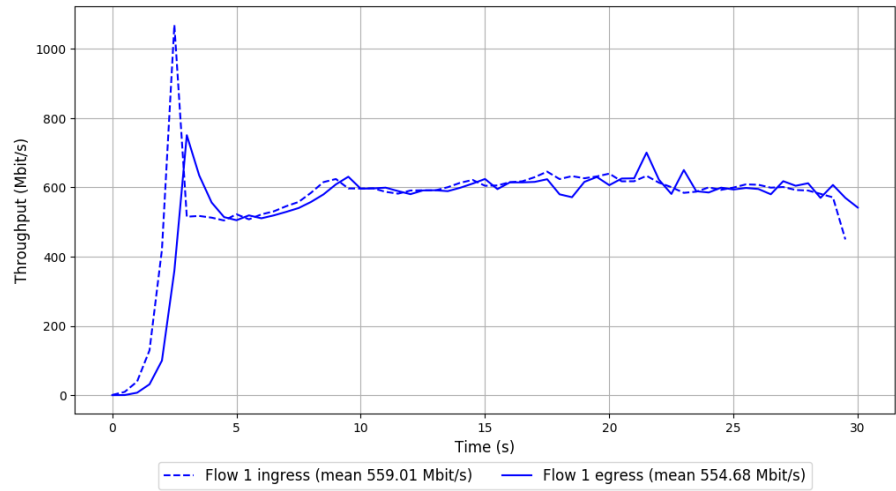
Average throughput: 554.68 Mbit/s

95th percentile per-packet one-way delay: 159.071 ms

Loss rate: 0.78%



## Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-05 04:53:50

End at: 2018-06-05 04:54:20

Local clock offset: 31.933 ms

Remote clock offset: -0.093 ms

# Below is generated by plot.py at 2018-06-05 07:31:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 499.48 Mbit/s

95th percentile per-packet one-way delay: 160.770 ms

Loss rate: 1.33%

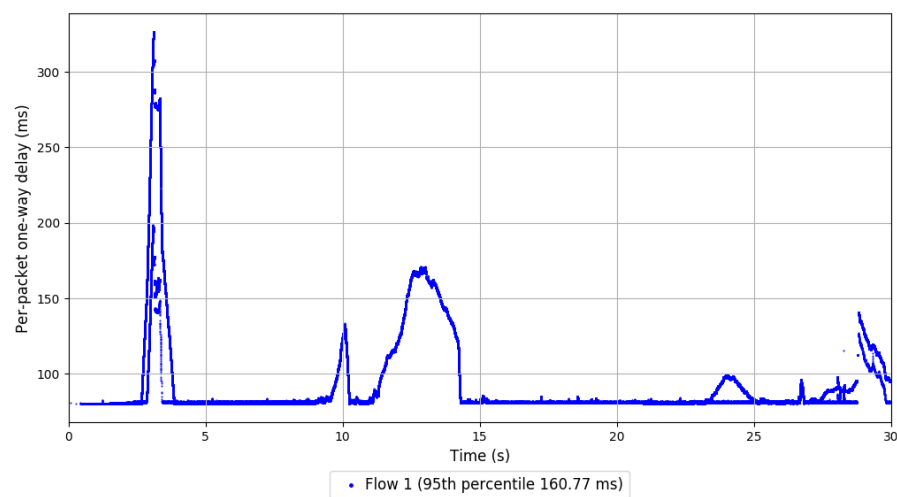
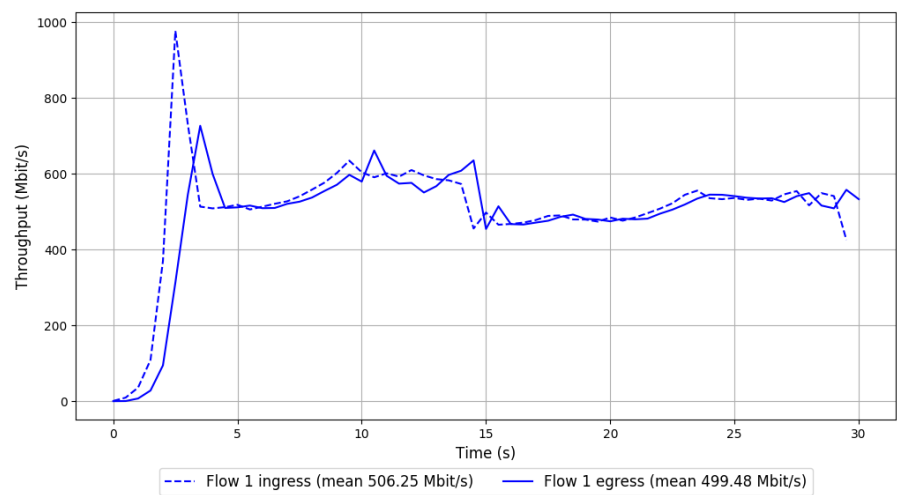
-- Flow 1:

Average throughput: 499.48 Mbit/s

95th percentile per-packet one-way delay: 160.770 ms

Loss rate: 1.33%

Run 6: Report of PCC-Allegro — Data Link

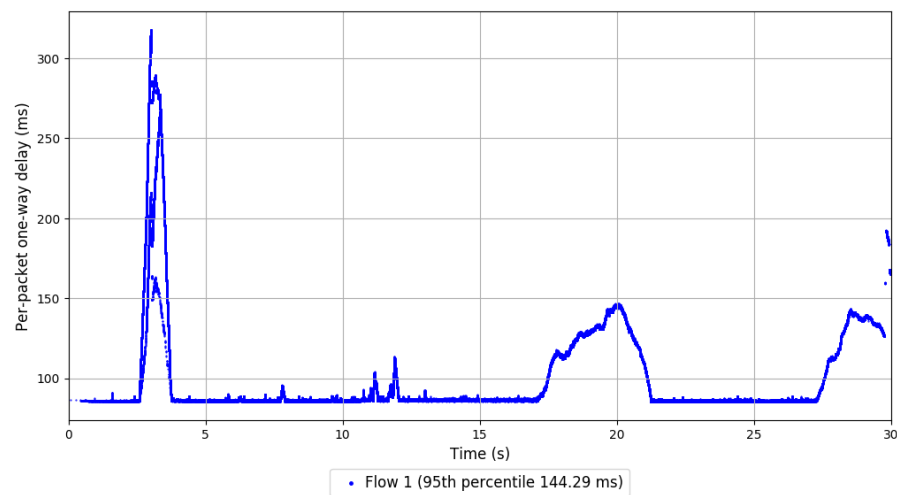
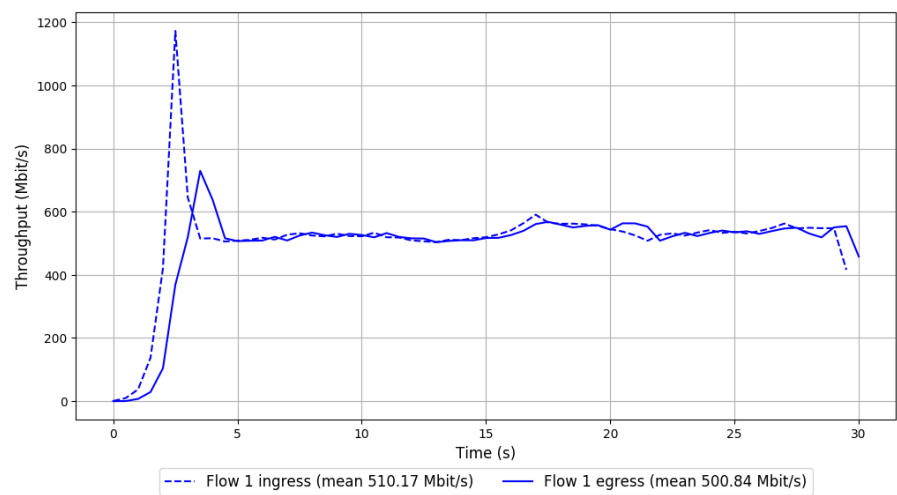


Run 7: Statistics of PCC-Allegro

Start at: 2018-06-05 05:14:41  
End at: 2018-06-05 05:15:11  
Local clock offset: 8.091 ms  
Remote clock offset: -0.136 ms

# Below is generated by plot.py at 2018-06-05 07:37:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 500.84 Mbit/s  
95th percentile per-packet one-way delay: 144.287 ms  
Loss rate: 1.83%  
-- Flow 1:  
Average throughput: 500.84 Mbit/s  
95th percentile per-packet one-way delay: 144.287 ms  
Loss rate: 1.83%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-05 05:35:40

End at: 2018-06-05 05:36:10

Local clock offset: 5.549 ms

Remote clock offset: -0.075 ms

# Below is generated by plot.py at 2018-06-05 07:37:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 551.96 Mbit/s

95th percentile per-packet one-way delay: 188.132 ms

Loss rate: 2.91%

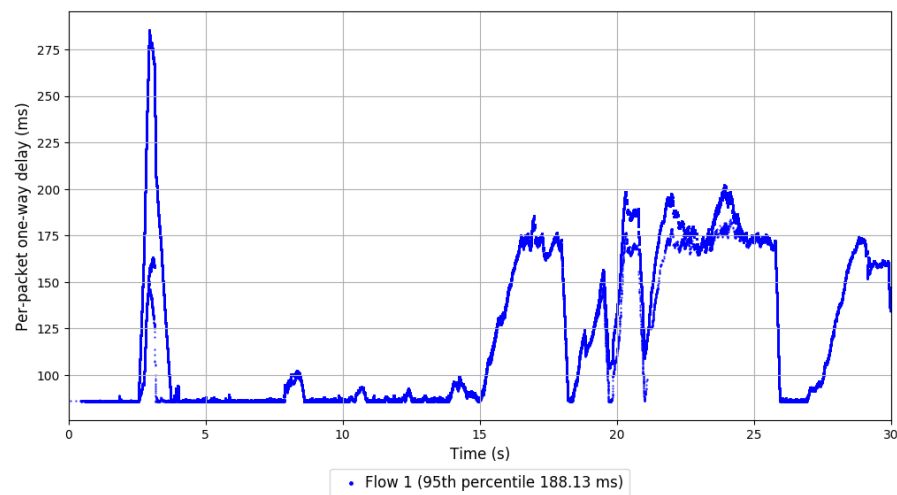
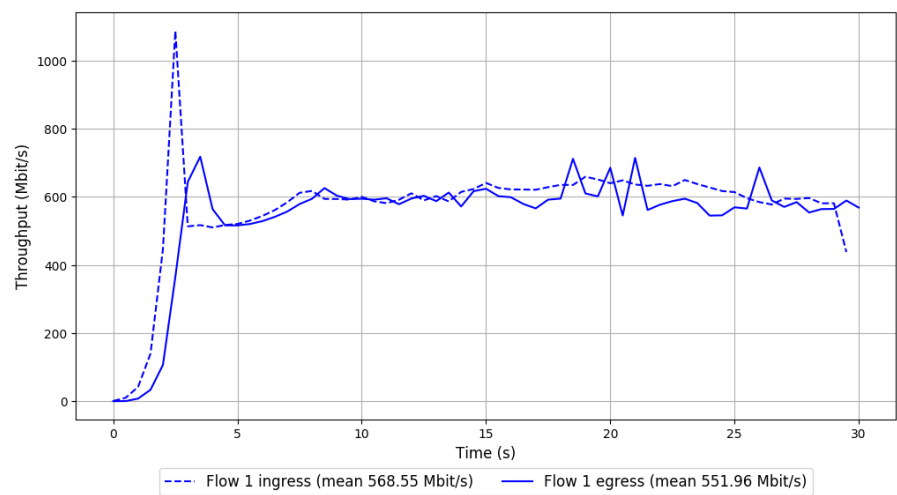
-- Flow 1:

Average throughput: 551.96 Mbit/s

95th percentile per-packet one-way delay: 188.132 ms

Loss rate: 2.91%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-06-05 05:56:47

End at: 2018-06-05 05:57:17

Local clock offset: 2.523 ms

Remote clock offset: -0.103 ms

# Below is generated by plot.py at 2018-06-05 07:37:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 509.07 Mbit/s

95th percentile per-packet one-way delay: 160.737 ms

Loss rate: 0.73%

-- Flow 1:

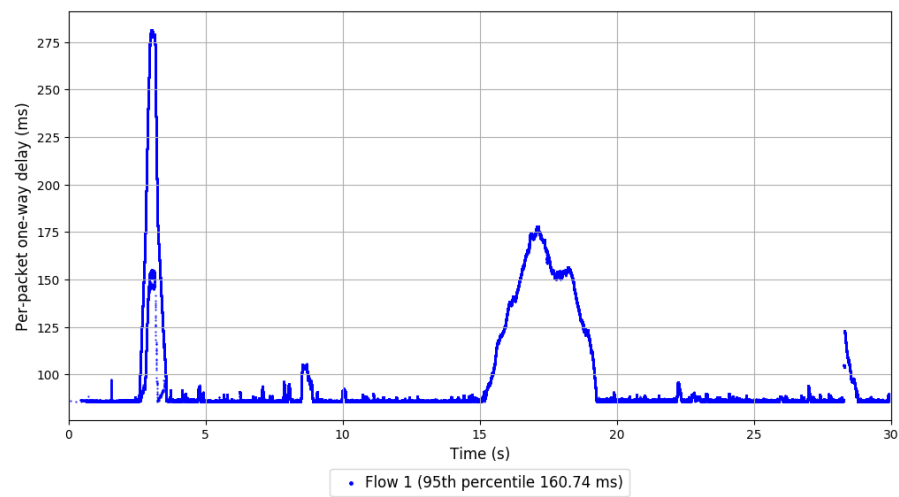
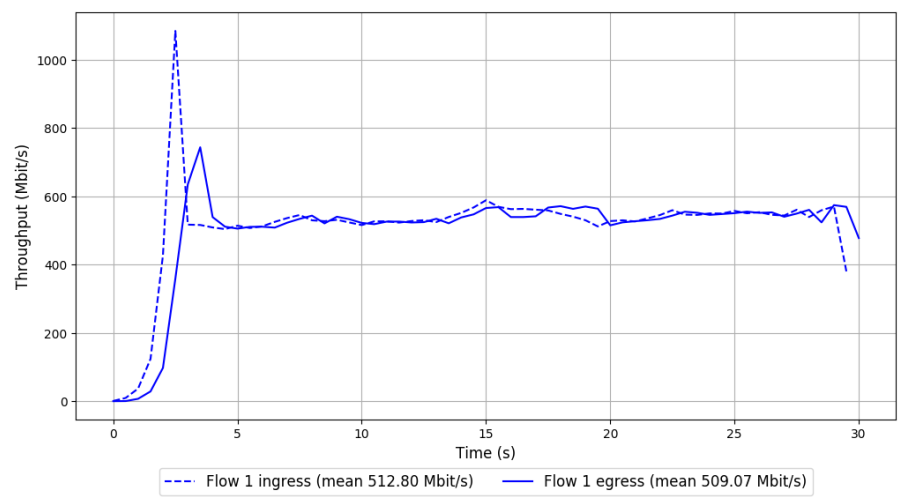
Average throughput: 509.07 Mbit/s

95th percentile per-packet one-way delay: 160.737 ms

Loss rate: 0.73%



Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-06-05 06:17:37

End at: 2018-06-05 06:18:07

Local clock offset: 1.344 ms

Remote clock offset: -0.069 ms

# Below is generated by plot.py at 2018-06-05 07:39:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 568.10 Mbit/s

95th percentile per-packet one-way delay: 174.257 ms

Loss rate: 1.03%

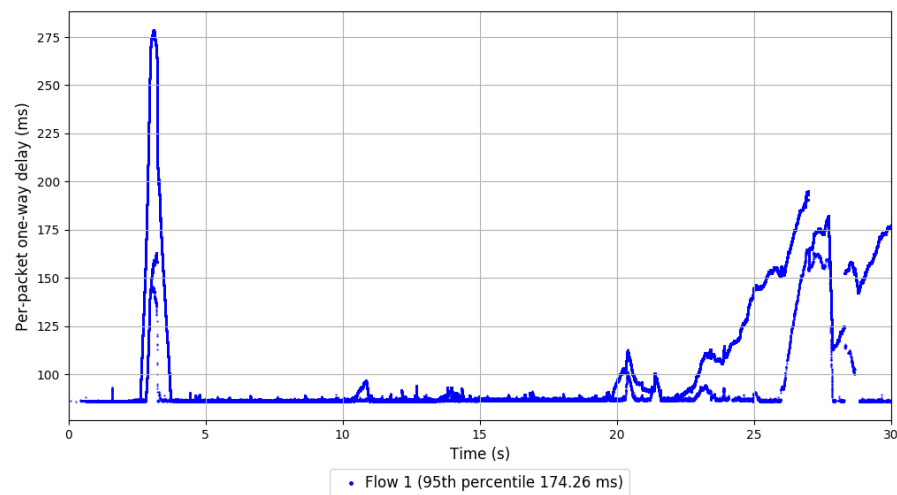
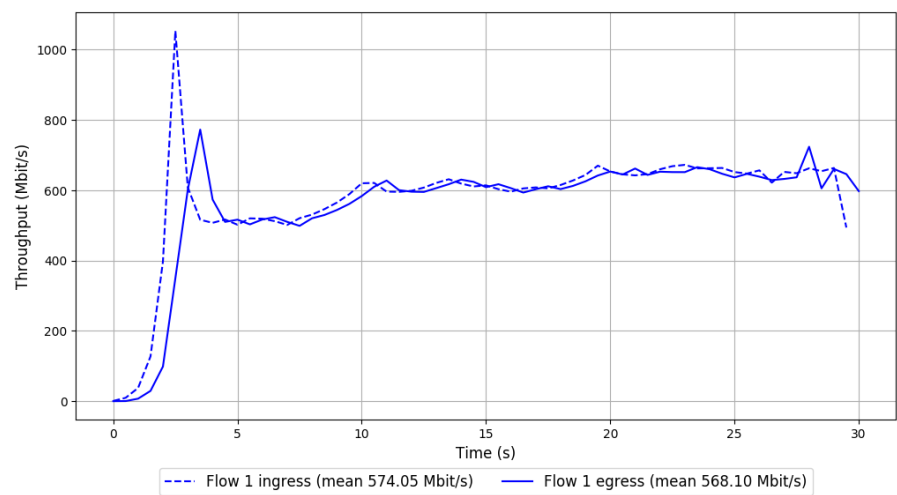
-- Flow 1:

Average throughput: 568.10 Mbit/s

95th percentile per-packet one-way delay: 174.257 ms

Loss rate: 1.03%

Run 10: Report of PCC-Allegro — Data Link

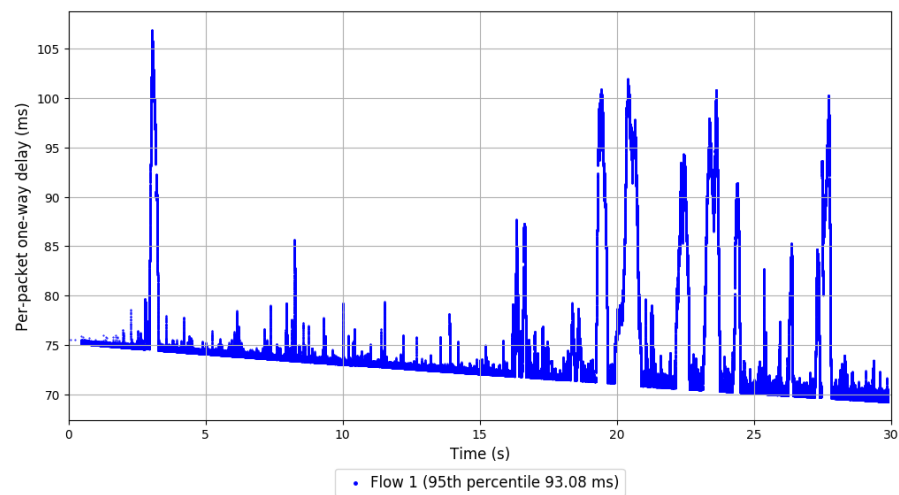
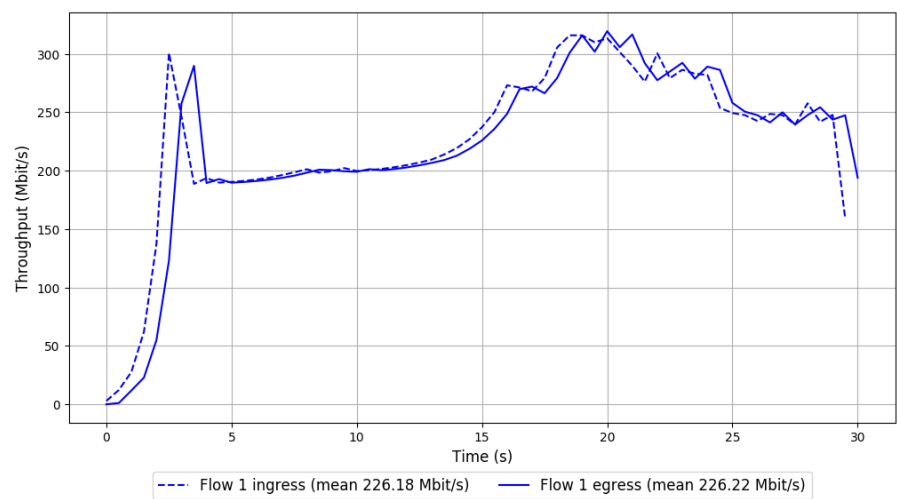


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-05 03:26:11
End at: 2018-06-05 03:26:41
Local clock offset: 48.99 ms
Remote clock offset: 0.114 ms

# Below is generated by plot.py at 2018-06-05 07:39:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 226.22 Mbit/s
95th percentile per-packet one-way delay: 93.081 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 226.22 Mbit/s
95th percentile per-packet one-way delay: 93.081 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-06-05 03:46:49

End at: 2018-06-05 03:47:19

Local clock offset: 34.653 ms

Remote clock offset: 0.11 ms

# Below is generated by plot.py at 2018-06-05 07:39:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 232.96 Mbit/s

95th percentile per-packet one-way delay: 146.300 ms

Loss rate: 0.00%

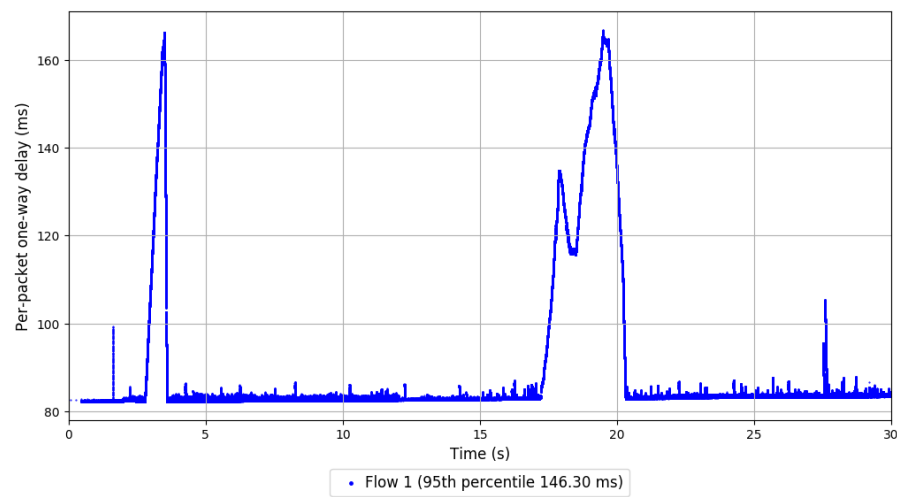
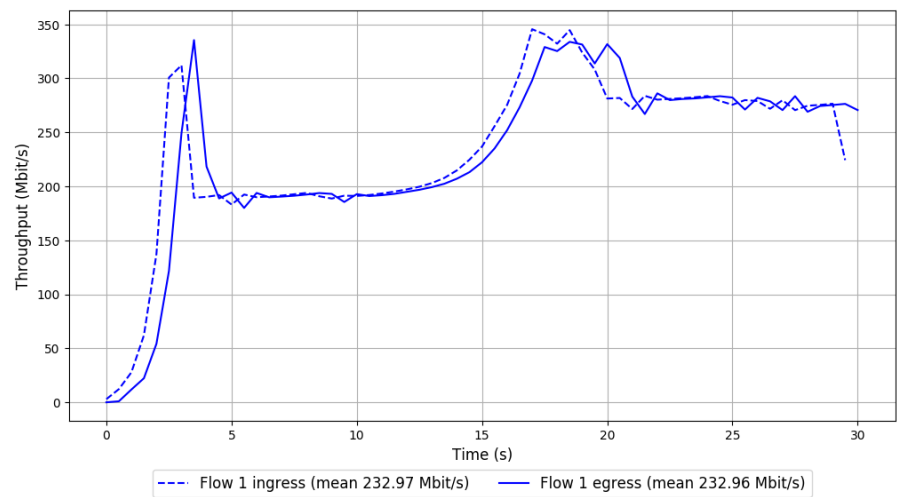
-- Flow 1:

Average throughput: 232.96 Mbit/s

95th percentile per-packet one-way delay: 146.300 ms

Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link



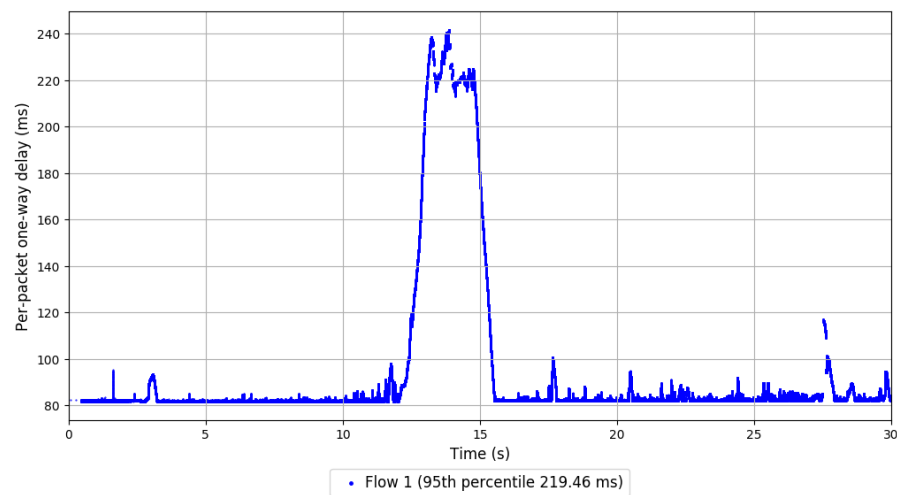
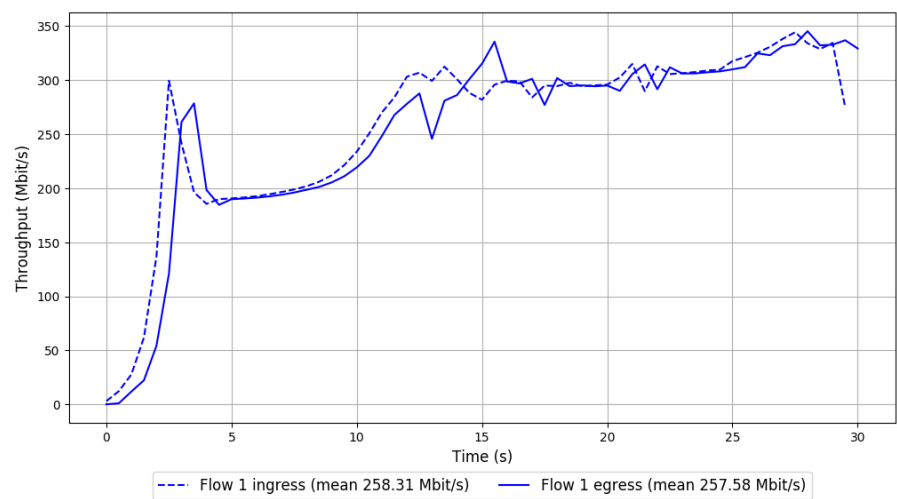
Run 3: Statistics of PCC-Expr

Start at: 2018-06-05 04:07:39  
End at: 2018-06-05 04:08:09  
Local clock offset: 38.363 ms  
Remote clock offset: -0.137 ms

# Below is generated by plot.py at 2018-06-05 07:39:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 257.58 Mbit/s  
95th percentile per-packet one-way delay: 219.459 ms  
Loss rate: 0.28%  
-- Flow 1:  
Average throughput: 257.58 Mbit/s  
95th percentile per-packet one-way delay: 219.459 ms  
Loss rate: 0.28%



Run 3: Report of PCC-Expr — Data Link

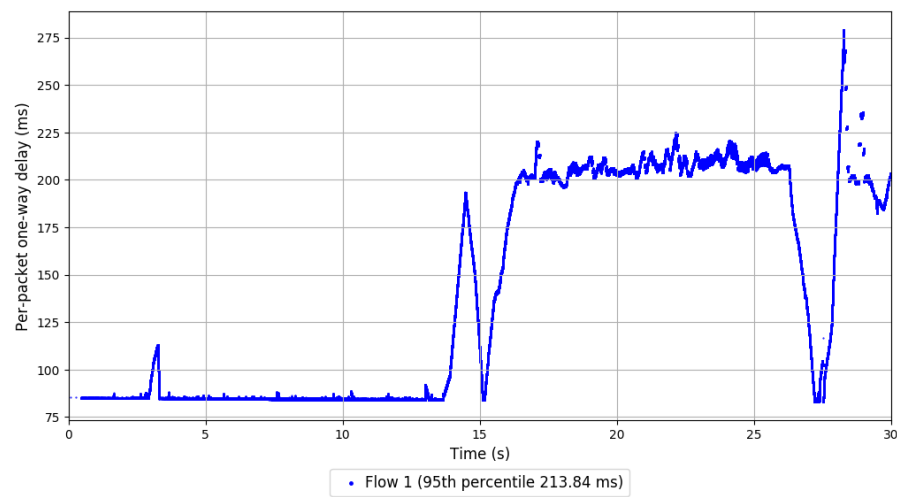
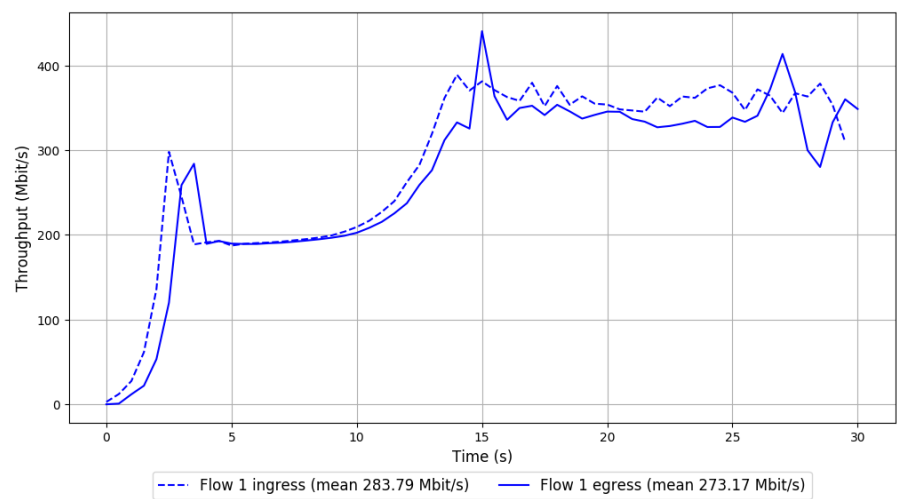


Run 4: Statistics of PCC-Expr

Start at: 2018-06-05 04:28:26  
End at: 2018-06-05 04:28:56  
Local clock offset: 43.809 ms  
Remote clock offset: -0.092 ms

# Below is generated by plot.py at 2018-06-05 07:40:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 273.17 Mbit/s  
95th percentile per-packet one-way delay: 213.841 ms  
Loss rate: 3.75%  
-- Flow 1:  
Average throughput: 273.17 Mbit/s  
95th percentile per-packet one-way delay: 213.841 ms  
Loss rate: 3.75%

Run 4: Report of PCC-Expr — Data Link

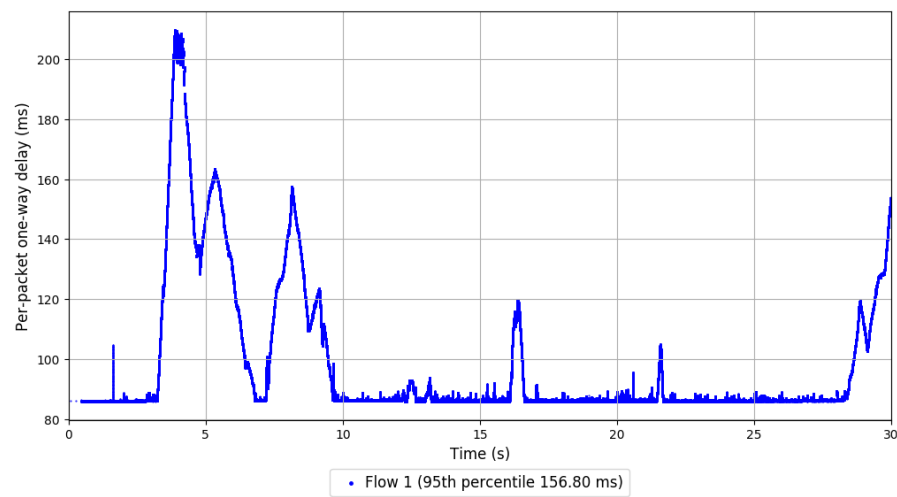
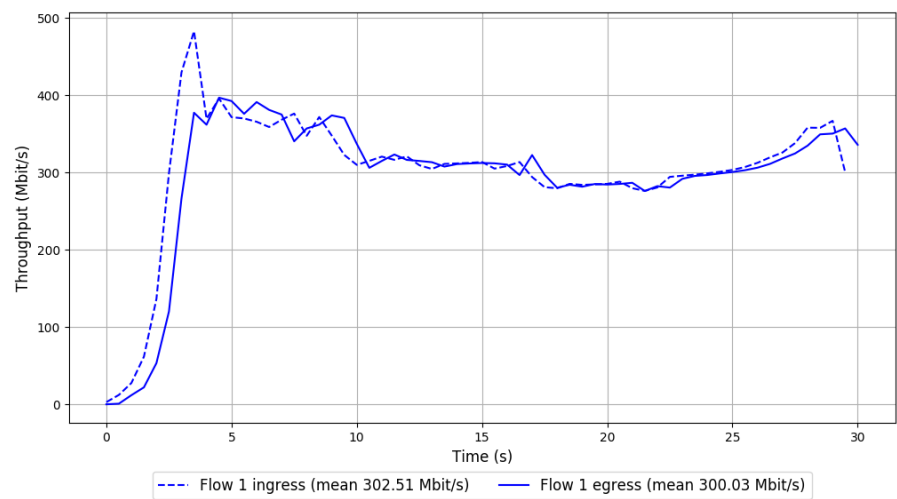


Run 5: Statistics of PCC-Expr

Start at: 2018-06-05 04:49:19  
End at: 2018-06-05 04:49:50  
Local clock offset: 23.889 ms  
Remote clock offset: -0.132 ms

# Below is generated by plot.py at 2018-06-05 07:46:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 300.03 Mbit/s  
95th percentile per-packet one-way delay: 156.796 ms  
Loss rate: 0.82%  
-- Flow 1:  
Average throughput: 300.03 Mbit/s  
95th percentile per-packet one-way delay: 156.796 ms  
Loss rate: 0.82%

Run 5: Report of PCC-Expr — Data Link

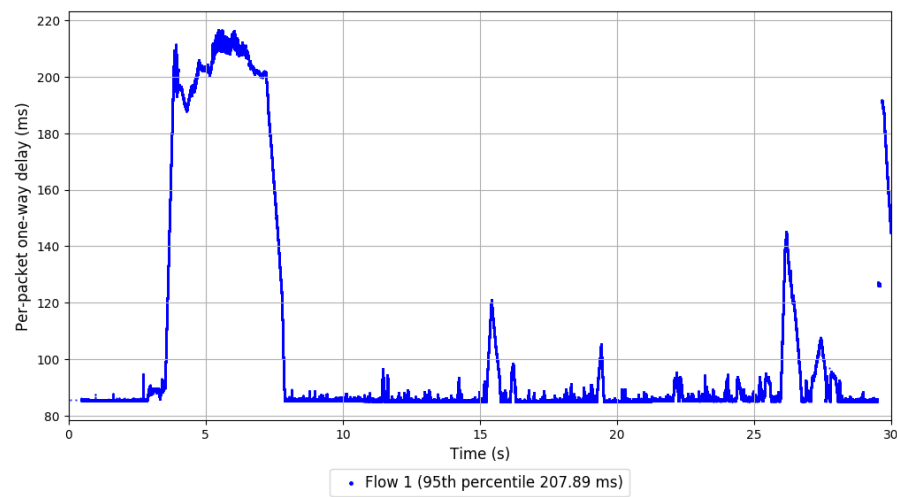
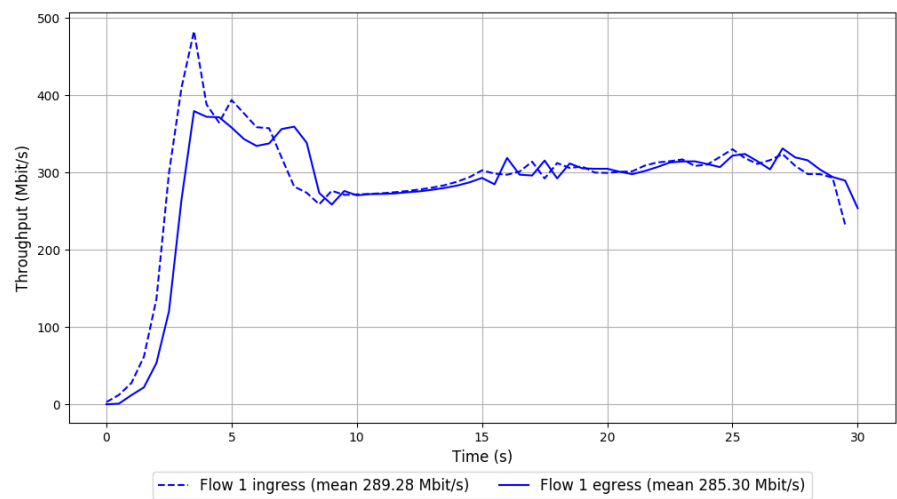


Run 6: Statistics of PCC-Expr

Start at: 2018-06-05 05:10:11  
End at: 2018-06-05 05:10:41  
Local clock offset: 10.895 ms  
Remote clock offset: -0.105 ms

# Below is generated by plot.py at 2018-06-05 07:46:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 285.30 Mbit/s  
95th percentile per-packet one-way delay: 207.894 ms  
Loss rate: 1.38%  
-- Flow 1:  
Average throughput: 285.30 Mbit/s  
95th percentile per-packet one-way delay: 207.894 ms  
Loss rate: 1.38%

Run 6: Report of PCC-Expr — Data Link



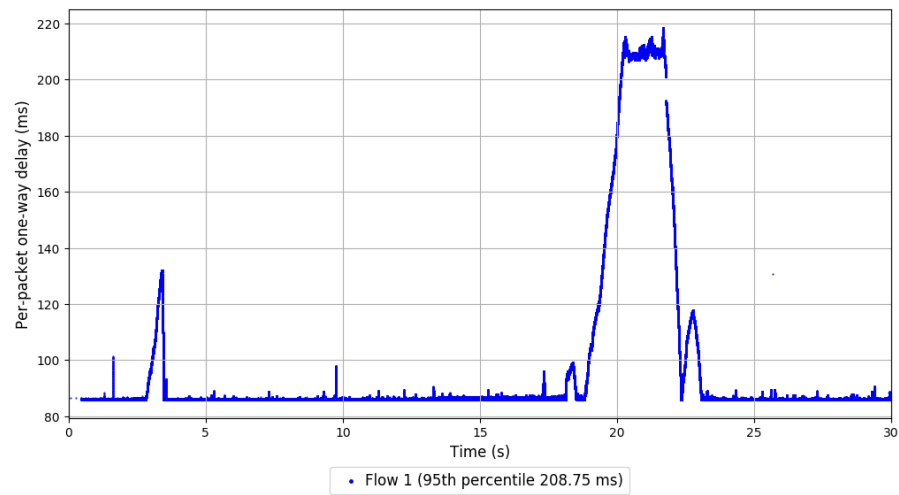
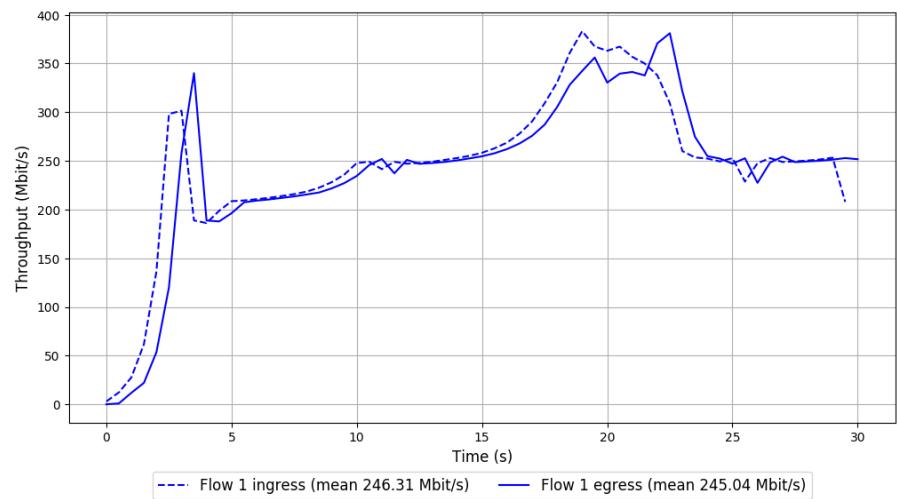
Run 7: Statistics of PCC-Expr

Start at: 2018-06-05 05:31:08  
End at: 2018-06-05 05:31:38  
Local clock offset: 6.572 ms  
Remote clock offset: -0.085 ms

# Below is generated by plot.py at 2018-06-05 07:46:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 245.04 Mbit/s  
95th percentile per-packet one-way delay: 208.750 ms  
Loss rate: 0.52%  
-- Flow 1:  
Average throughput: 245.04 Mbit/s  
95th percentile per-packet one-way delay: 208.750 ms  
Loss rate: 0.52%



Run 7: Report of PCC-Expr — Data Link

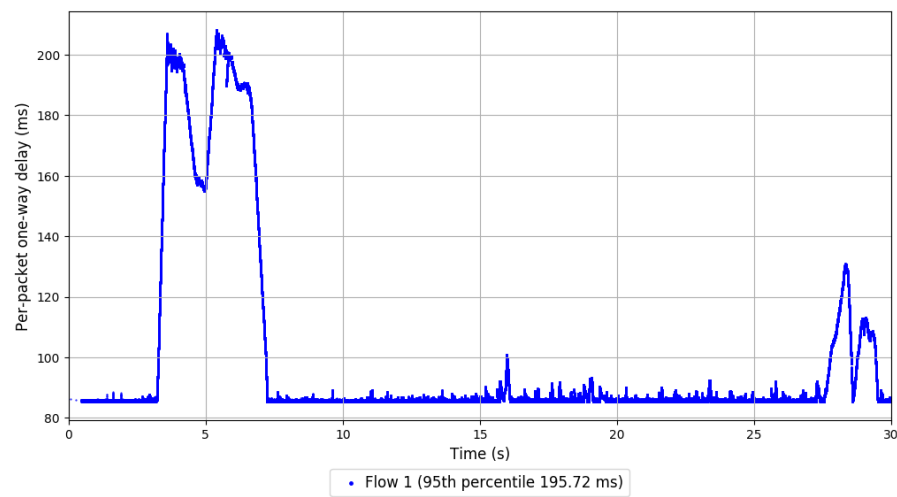
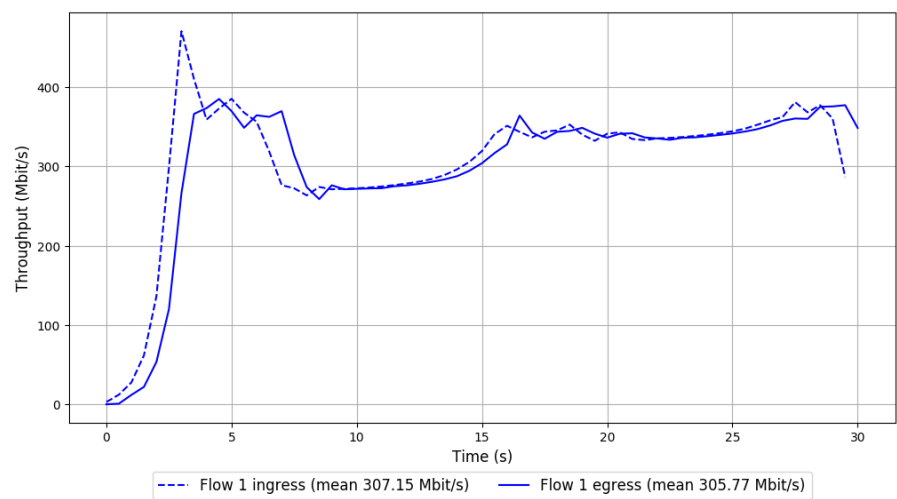


Run 8: Statistics of PCC-Expr

Start at: 2018-06-05 05:52:12  
End at: 2018-06-05 05:52:42  
Local clock offset: 2.808 ms  
Remote clock offset: -0.126 ms

# Below is generated by plot.py at 2018-06-05 07:47:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 305.77 Mbit/s  
95th percentile per-packet one-way delay: 195.716 ms  
Loss rate: 0.45%  
-- Flow 1:  
Average throughput: 305.77 Mbit/s  
95th percentile per-packet one-way delay: 195.716 ms  
Loss rate: 0.45%

Run 8: Report of PCC-Expr — Data Link

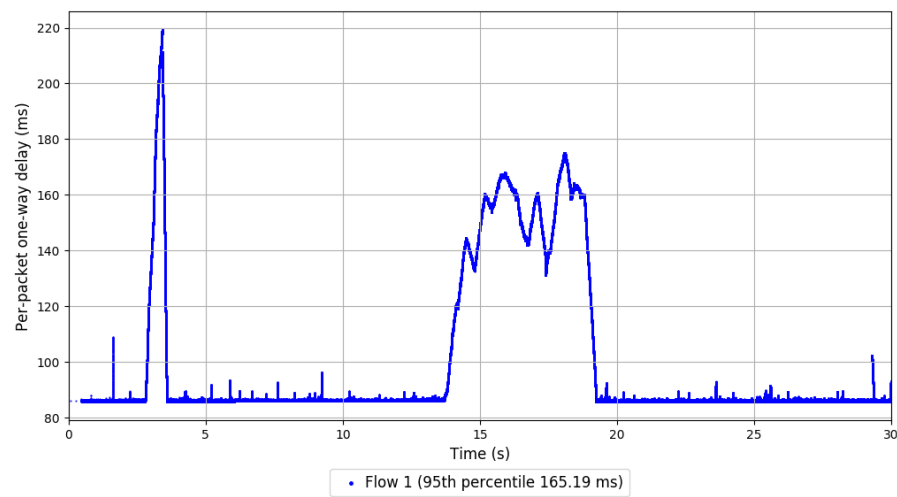
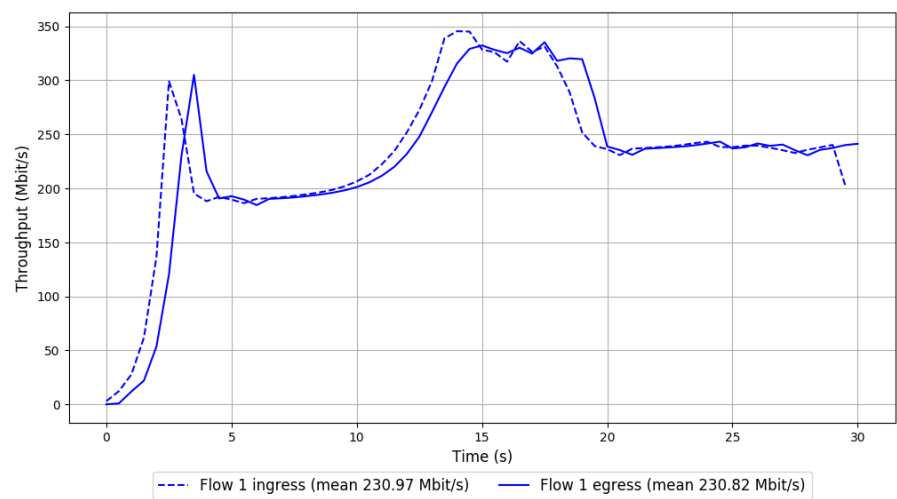


Run 9: Statistics of PCC-Expr

Start at: 2018-06-05 06:13:15  
End at: 2018-06-05 06:13:45  
Local clock offset: 1.939 ms  
Remote clock offset: -0.031 ms

# Below is generated by plot.py at 2018-06-05 07:47:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 230.82 Mbit/s  
95th percentile per-packet one-way delay: 165.187 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 230.82 Mbit/s  
95th percentile per-packet one-way delay: 165.187 ms  
Loss rate: 0.07%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-06-05 06:34:03

End at: 2018-06-05 06:34:33

Local clock offset: 1.306 ms

Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2018-06-05 07:47:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 254.11 Mbit/s

95th percentile per-packet one-way delay: 218.761 ms

Loss rate: 3.01%

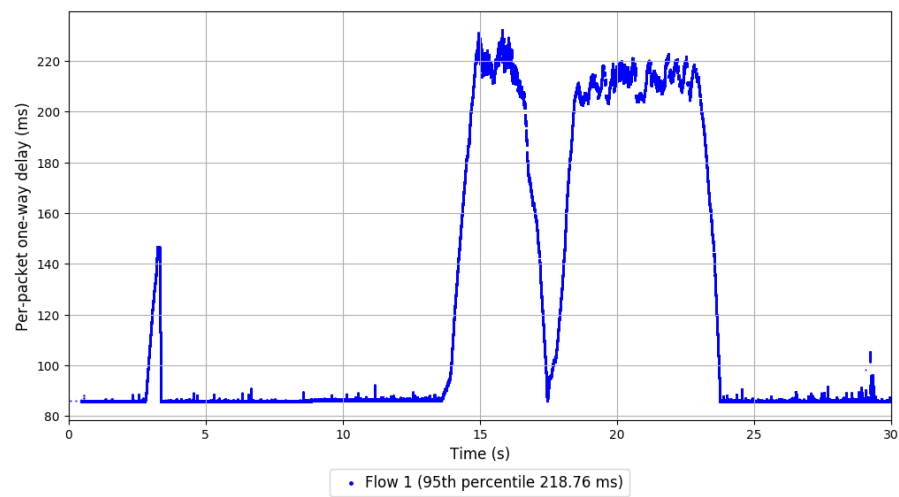
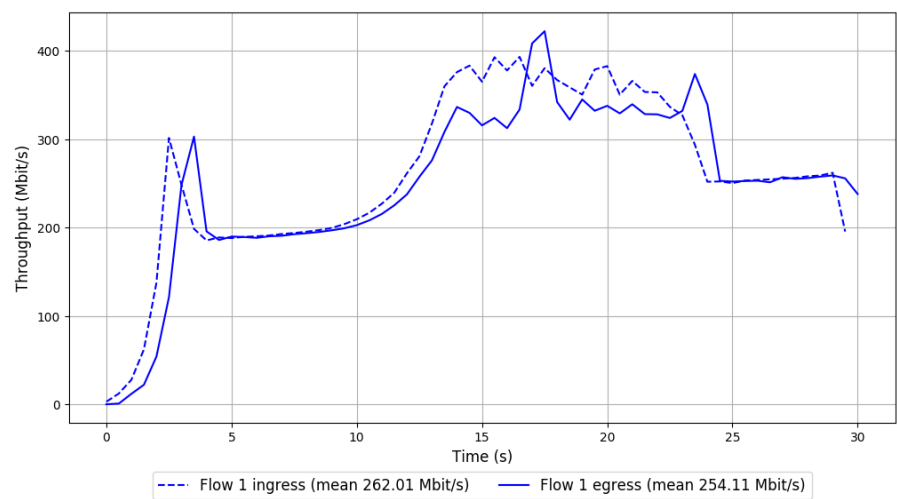
-- Flow 1:

Average throughput: 254.11 Mbit/s

95th percentile per-packet one-way delay: 218.761 ms

Loss rate: 3.01%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-06-05 03:17:19

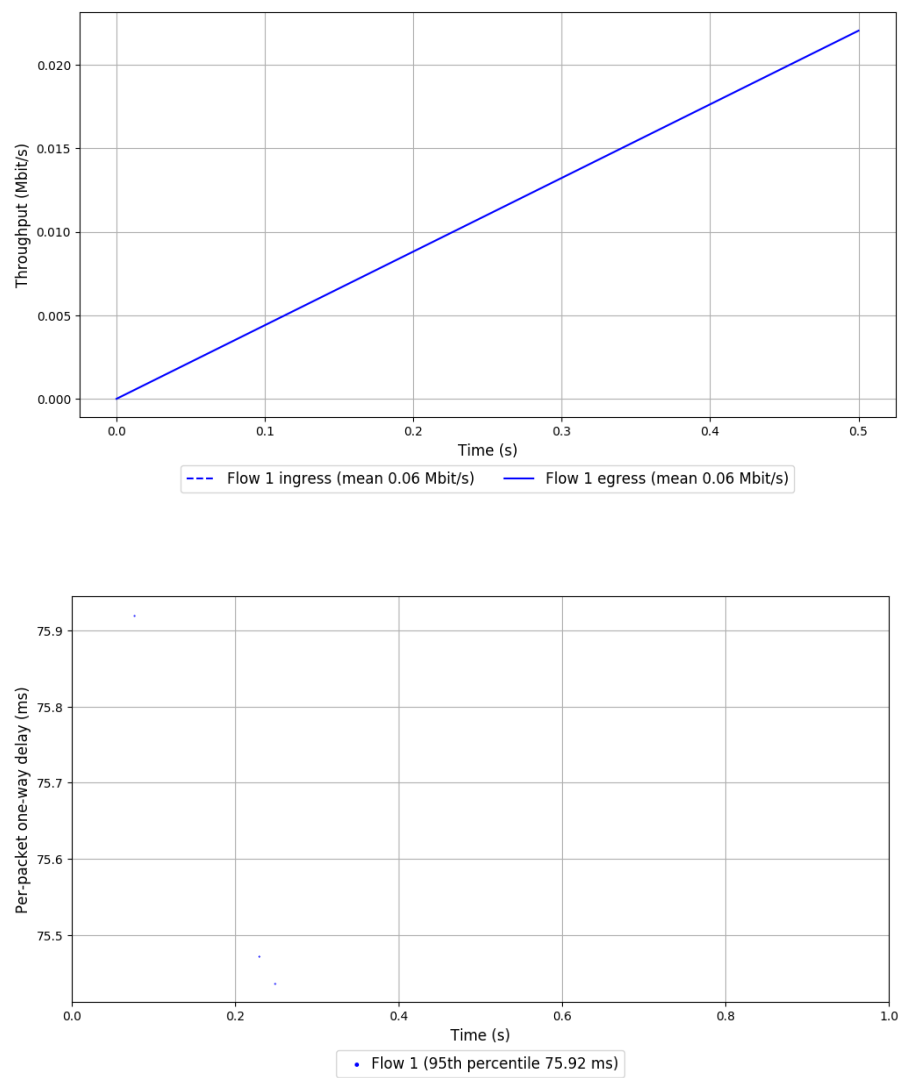
End at: 2018-06-05 03:17:49

Local clock offset: 41.566 ms

Remote clock offset: -0.089 ms



Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-06-05 03:37:53

End at: 2018-06-05 03:38:23

Local clock offset: 25.921 ms

Remote clock offset: 0.209 ms

# Below is generated by plot.py at 2018-06-05 07:47:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 51.07 Mbit/s

95th percentile per-packet one-way delay: 80.243 ms

Loss rate: 0.00%

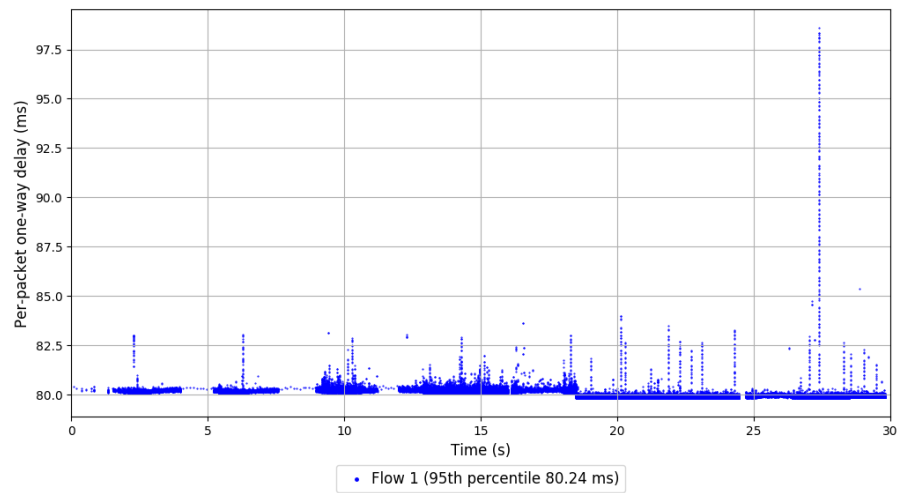
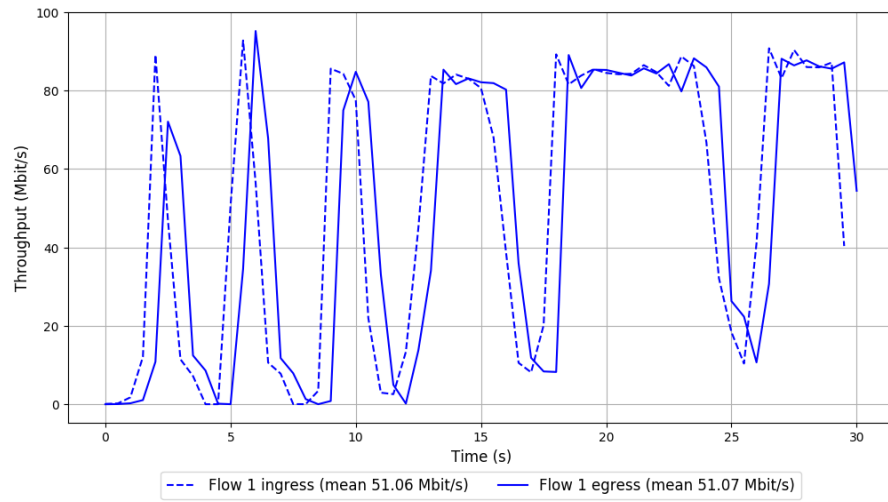
-- Flow 1:

Average throughput: 51.07 Mbit/s

95th percentile per-packet one-way delay: 80.243 ms

Loss rate: 0.00%

## Run 2: Report of QUIC Cubic — Data Link

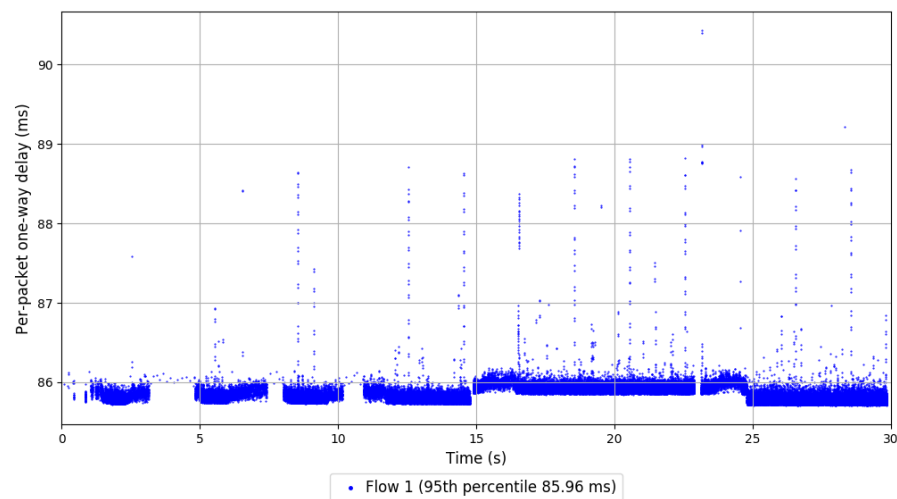
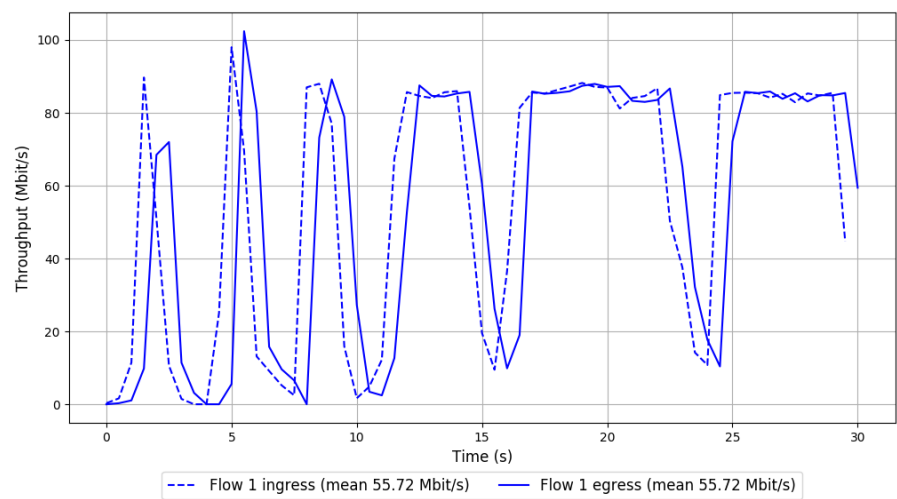


Run 3: Statistics of QUIC Cubic

Start at: 2018-06-05 03:58:37  
End at: 2018-06-05 03:59:07  
Local clock offset: 29.236 ms  
Remote clock offset: -0.092 ms

# Below is generated by plot.py at 2018-06-05 07:47:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 55.72 Mbit/s  
95th percentile per-packet one-way delay: 85.964 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 55.72 Mbit/s  
95th percentile per-packet one-way delay: 85.964 ms  
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

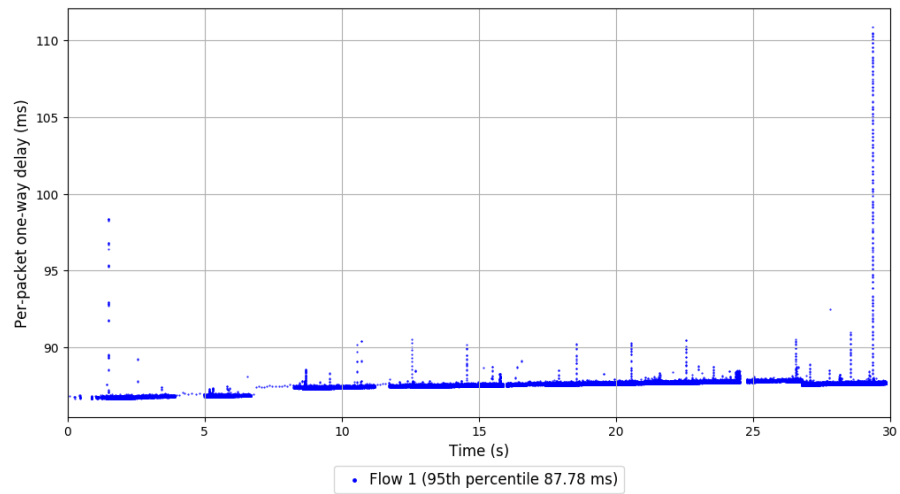
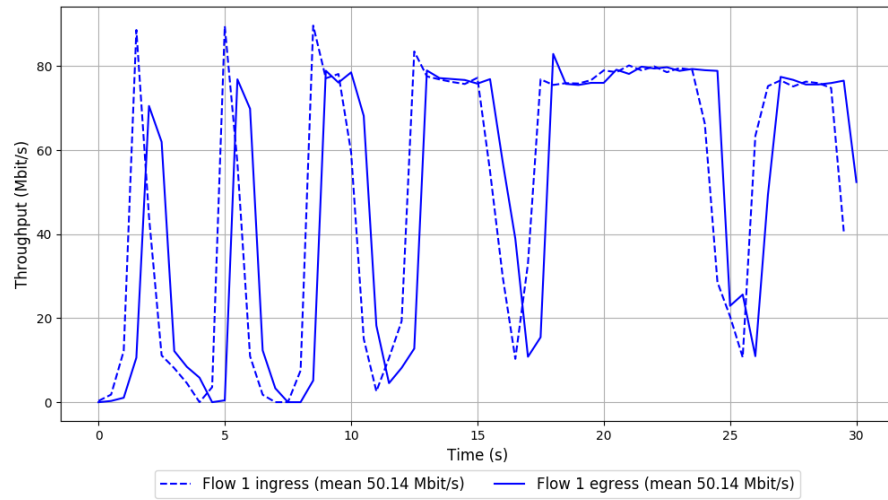


Run 4: Statistics of QUIC Cubic

Start at: 2018-06-05 04:19:25  
End at: 2018-06-05 04:19:55  
Local clock offset: 49.263 ms  
Remote clock offset: -0.197 ms

# Below is generated by plot.py at 2018-06-05 07:47:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 50.14 Mbit/s  
95th percentile per-packet one-way delay: 87.777 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 50.14 Mbit/s  
95th percentile per-packet one-way delay: 87.777 ms  
Loss rate: 0.00%

#### Run 4: Report of QUIC Cubic — Data Link



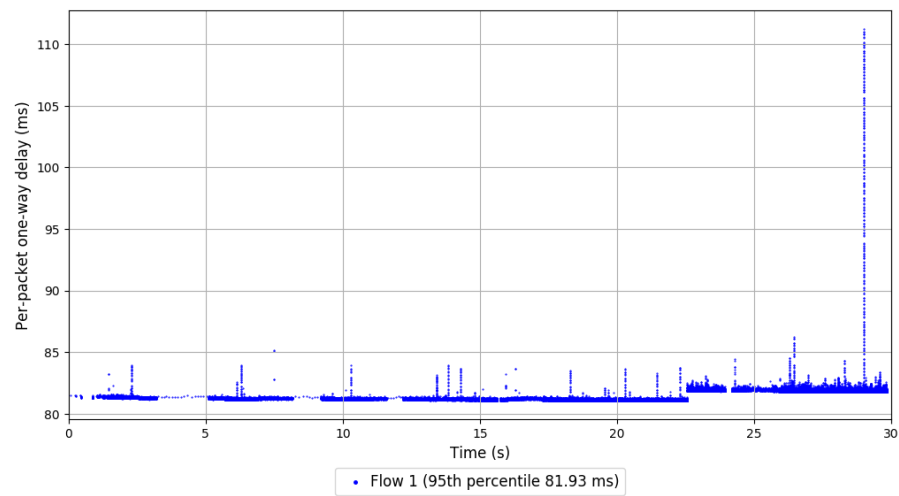
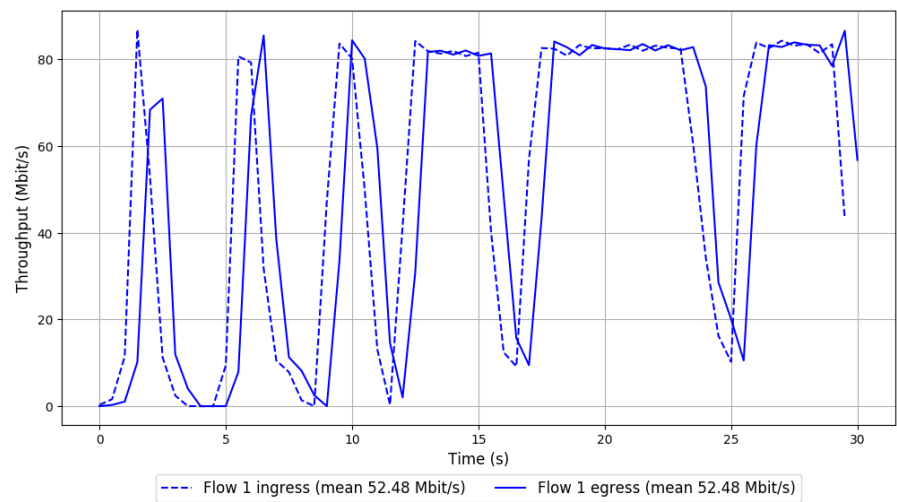
Run 5: Statistics of QUIC Cubic

Start at: 2018-06-05 04:40:19  
End at: 2018-06-05 04:40:49  
Local clock offset: 27.317 ms  
Remote clock offset: -0.118 ms

# Below is generated by plot.py at 2018-06-05 07:47:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 52.48 Mbit/s  
95th percentile per-packet one-way delay: 81.934 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 52.48 Mbit/s  
95th percentile per-packet one-way delay: 81.934 ms  
Loss rate: 0.00%



Run 5: Report of QUIC Cubic — Data Link

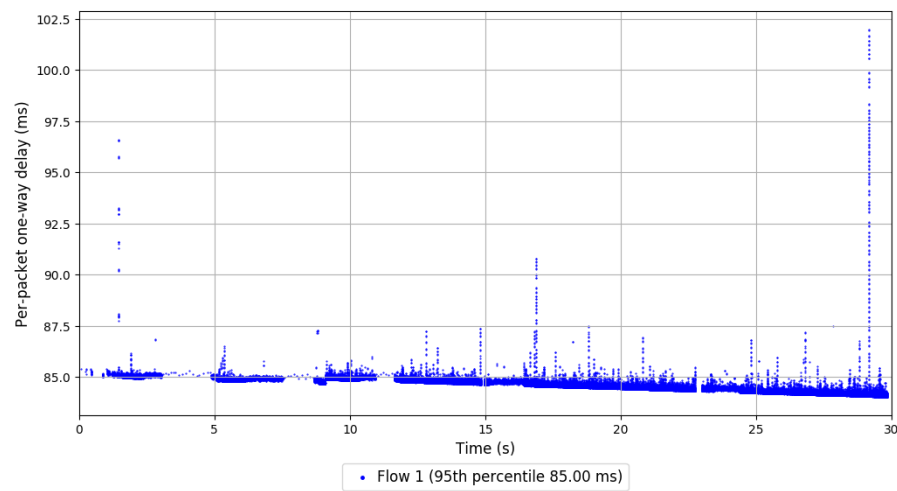
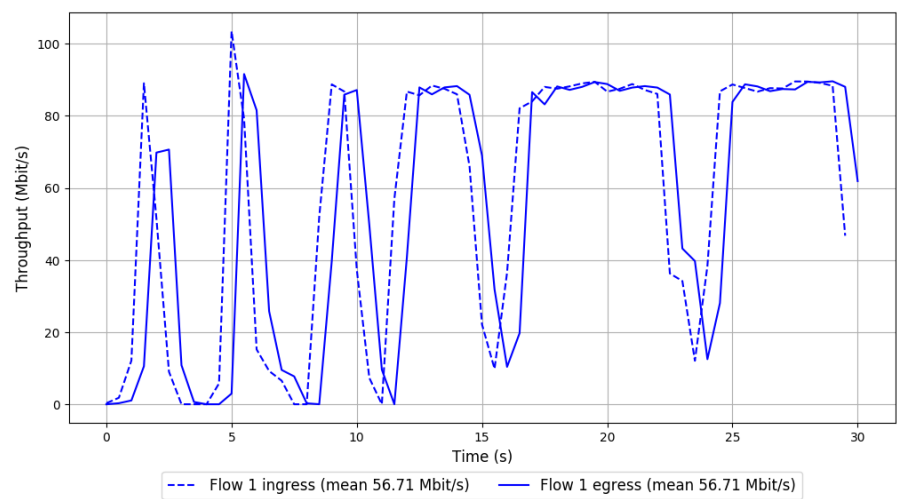


Run 6: Statistics of QUIC Cubic

Start at: 2018-06-05 05:01:13  
End at: 2018-06-05 05:01:43  
Local clock offset: 25.197 ms  
Remote clock offset: -0.095 ms

# Below is generated by plot.py at 2018-06-05 07:47:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 56.71 Mbit/s  
95th percentile per-packet one-way delay: 85.004 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 56.71 Mbit/s  
95th percentile per-packet one-way delay: 85.004 ms  
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

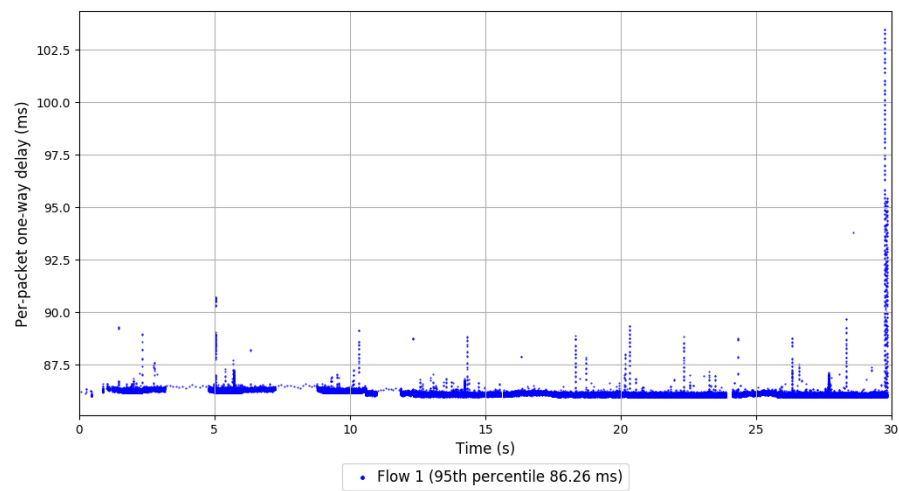
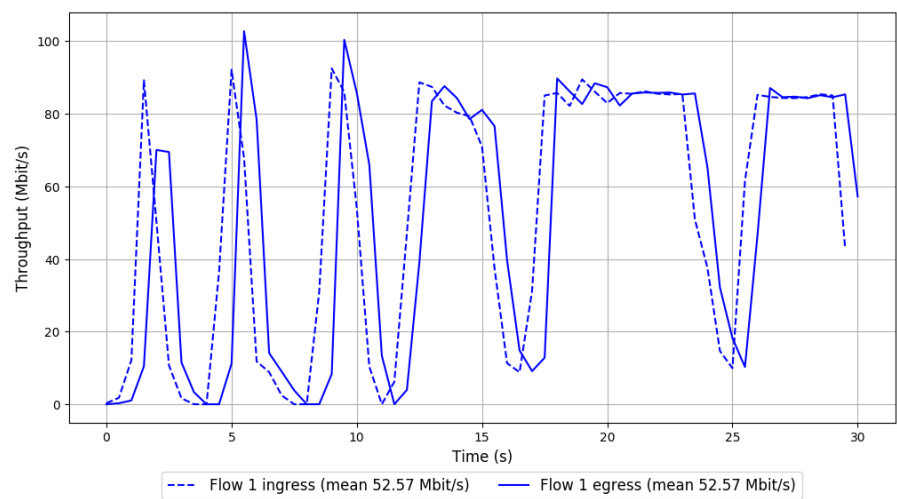


Run 7: Statistics of QUIC Cubic

Start at: 2018-06-05 05:22:01  
End at: 2018-06-05 05:22:31  
Local clock offset: 6.223 ms  
Remote clock offset: -0.091 ms

# Below is generated by plot.py at 2018-06-05 07:47:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 52.57 Mbit/s  
95th percentile per-packet one-way delay: 86.262 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 52.57 Mbit/s  
95th percentile per-packet one-way delay: 86.262 ms  
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-06-05 05:43:08

End at: 2018-06-05 05:43:38

Local clock offset: 3.007 ms

Remote clock offset: -0.086 ms

# Below is generated by plot.py at 2018-06-05 07:47:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 52.52 Mbit/s

95th percentile per-packet one-way delay: 86.560 ms

Loss rate: 0.00%

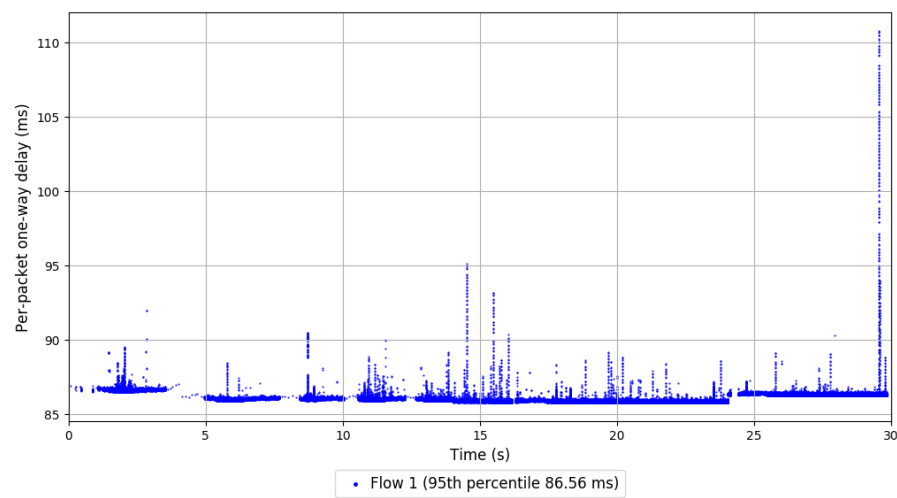
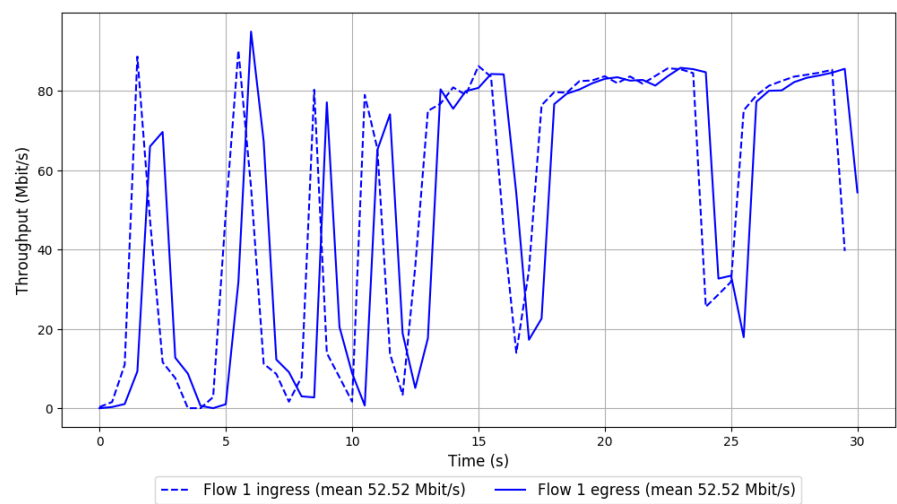
-- Flow 1:

Average throughput: 52.52 Mbit/s

95th percentile per-packet one-way delay: 86.560 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-06-05 06:04:12

End at: 2018-06-05 06:04:42

Local clock offset: 2.438 ms

Remote clock offset: -0.064 ms

# Below is generated by plot.py at 2018-06-05 07:47:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 59.04 Mbit/s

95th percentile per-packet one-way delay: 86.920 ms

Loss rate: 0.00%

-- Flow 1:

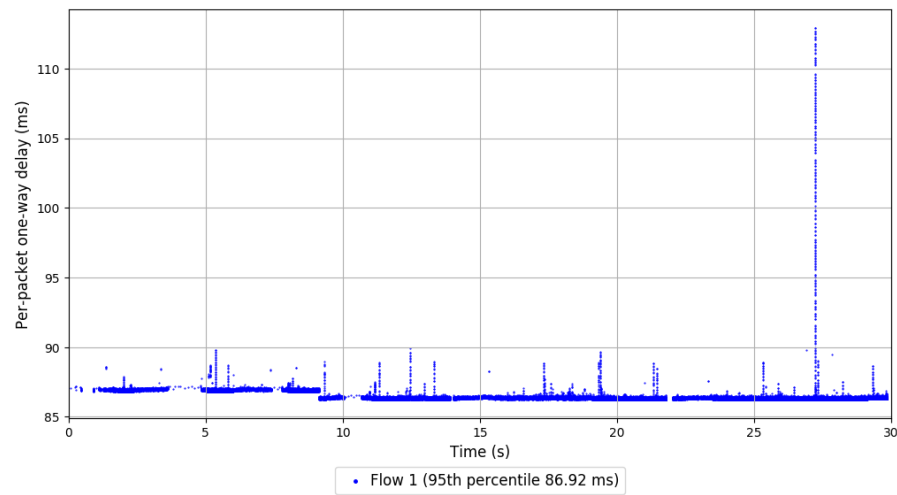
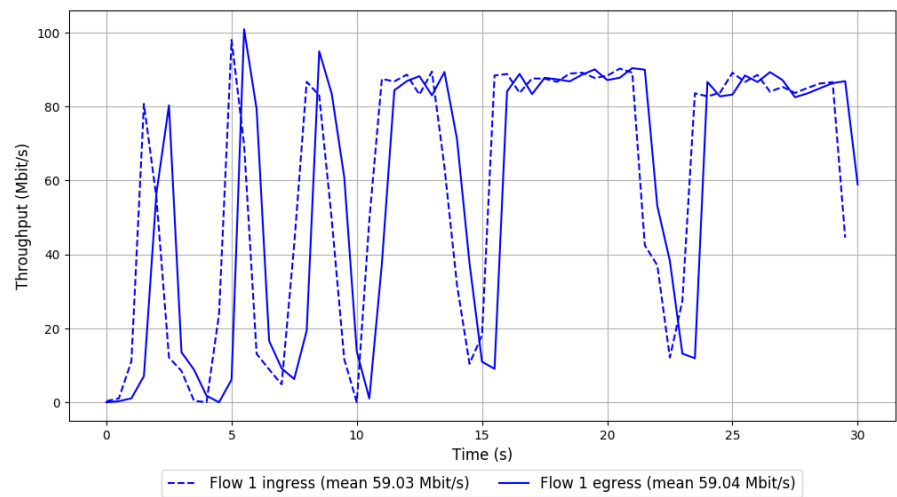
Average throughput: 59.04 Mbit/s

95th percentile per-packet one-way delay: 86.920 ms

Loss rate: 0.00%



Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

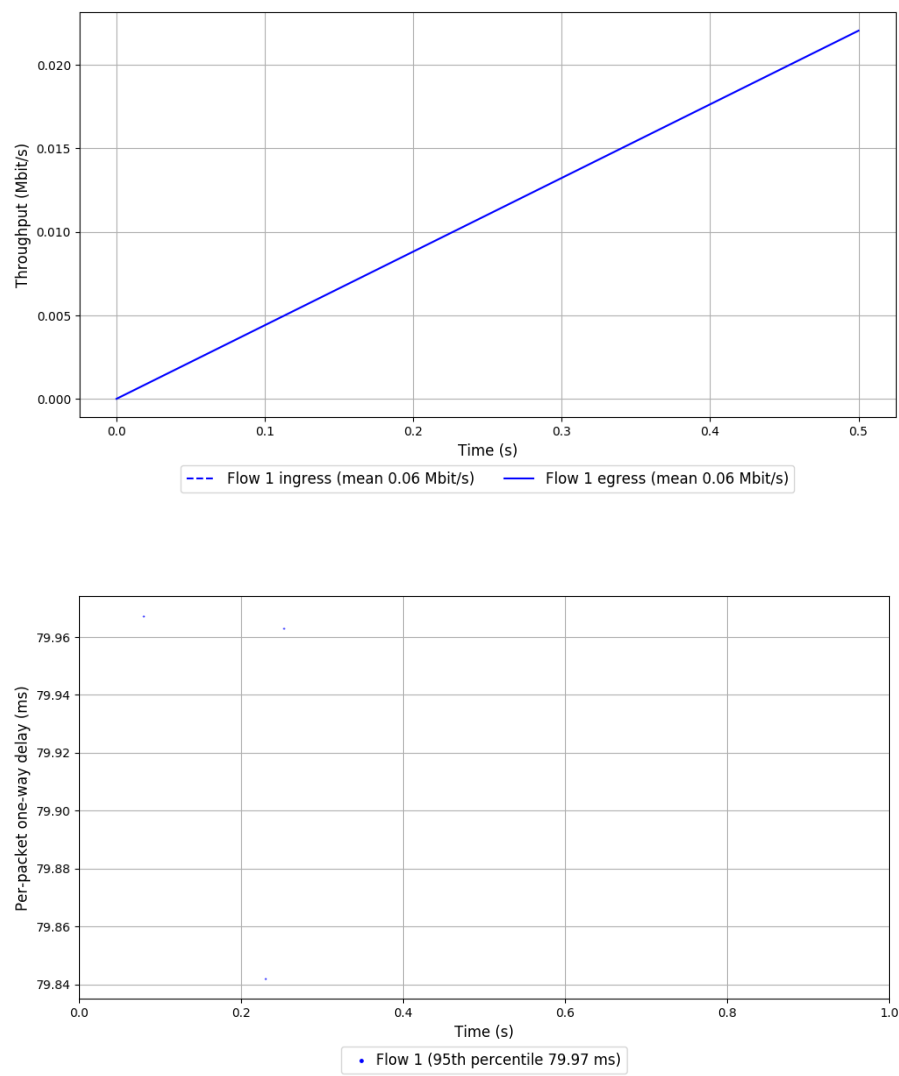
Start at: 2018-06-05 06:25:02

End at: 2018-06-05 06:25:32

Local clock offset: 7.304 ms

Remote clock offset: -0.024 ms

Run 10: Report of QUIC Cubic — Data Link

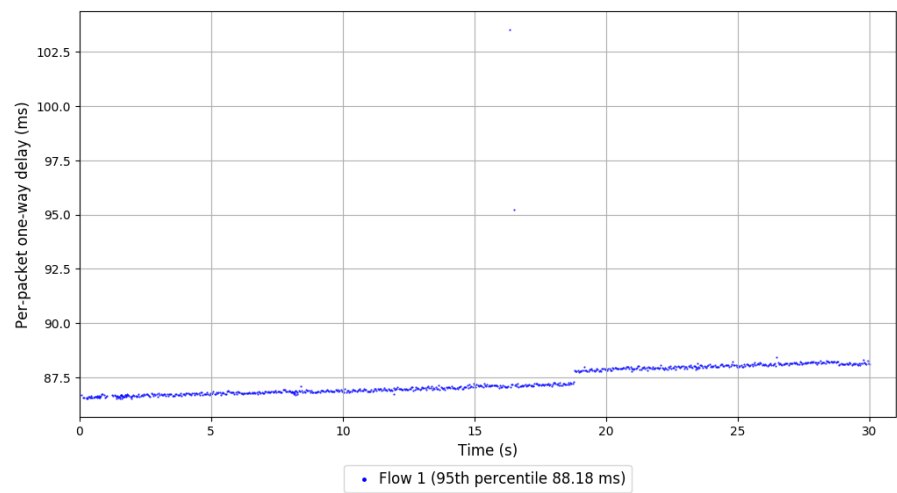
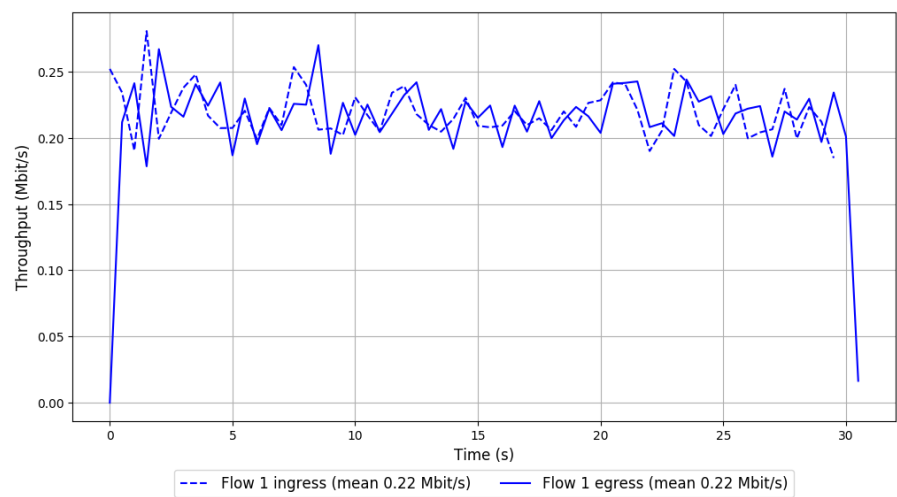


Run 1: Statistics of SCReAM

Start at: 2018-06-05 03:19:33  
End at: 2018-06-05 03:20:03  
Local clock offset: 26.725 ms  
Remote clock offset: -0.071 ms

# Below is generated by plot.py at 2018-06-05 07:47:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 88.184 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 88.184 ms  
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

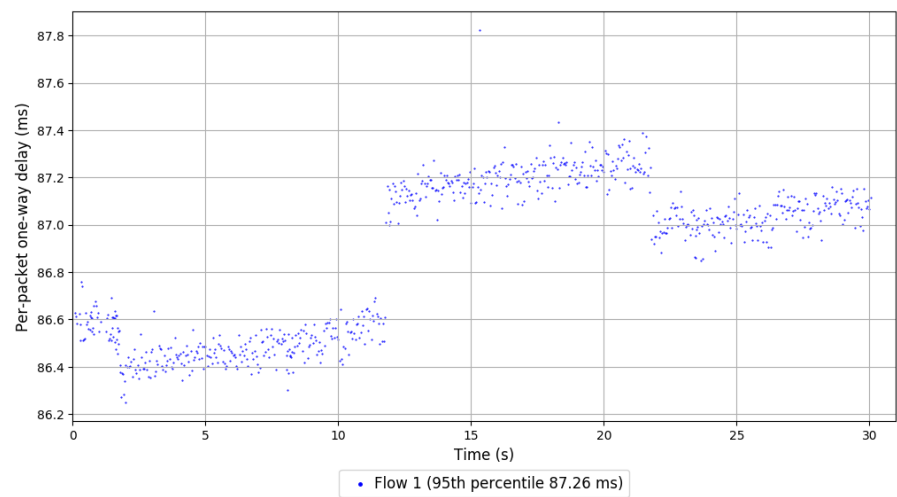
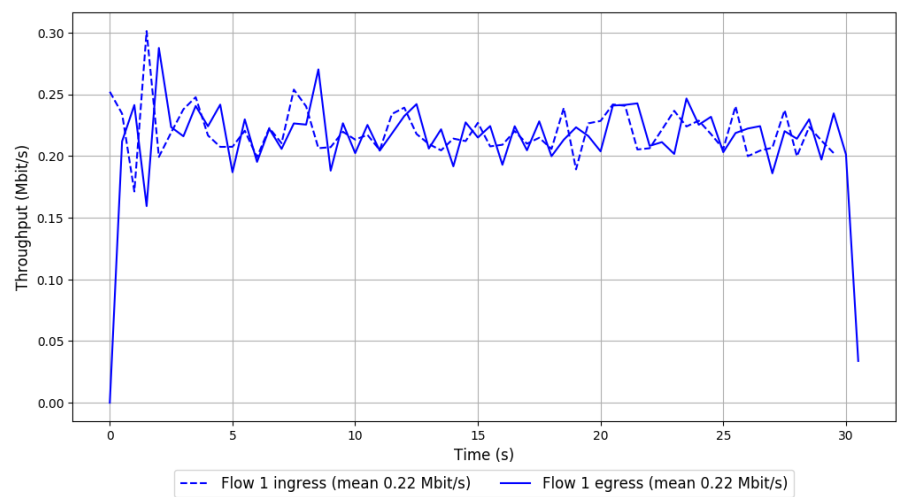


```
Run 2: Statistics of SCReAM

Start at: 2018-06-05 03:40:10
End at: 2018-06-05 03:40:40
Local clock offset: 20.333 ms
Remote clock offset: 0.219 ms

# Below is generated by plot.py at 2018-06-05 07:47:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.261 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.261 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



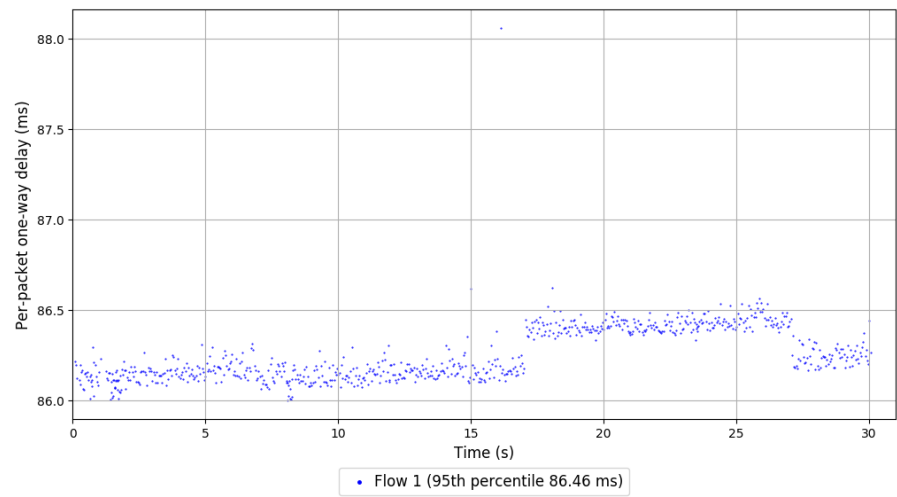
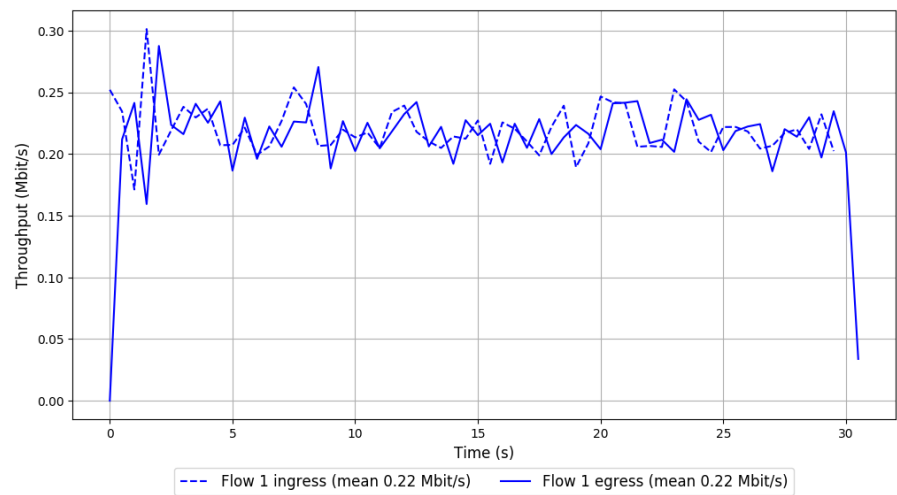
Run 3: Statistics of SCReAM

Start at: 2018-06-05 04:00:55  
End at: 2018-06-05 04:01:25  
Local clock offset: 29.291 ms  
Remote clock offset: -0.084 ms

# Below is generated by plot.py at 2018-06-05 07:47:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 86.464 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 86.464 ms  
Loss rate: 0.00%



Run 3: Report of SReAM — Data Link

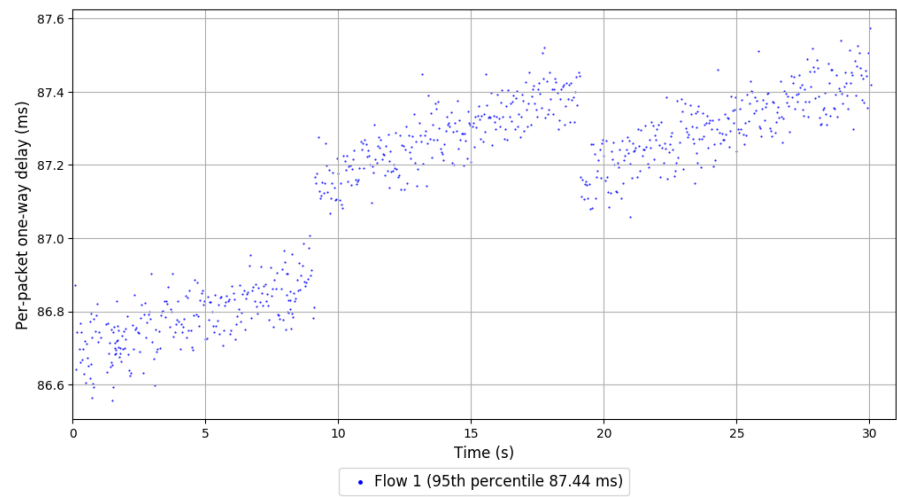
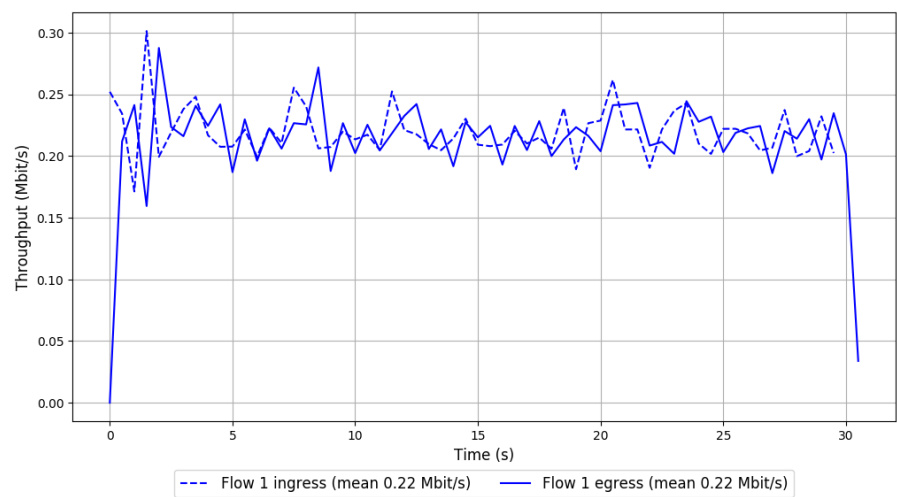


Run 4: Statistics of SCReAM

Start at: 2018-06-05 04:21:43  
End at: 2018-06-05 04:22:13  
Local clock offset: 53.076 ms  
Remote clock offset: -0.145 ms

# Below is generated by plot.py at 2018-06-05 07:47:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 87.440 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 87.440 ms  
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

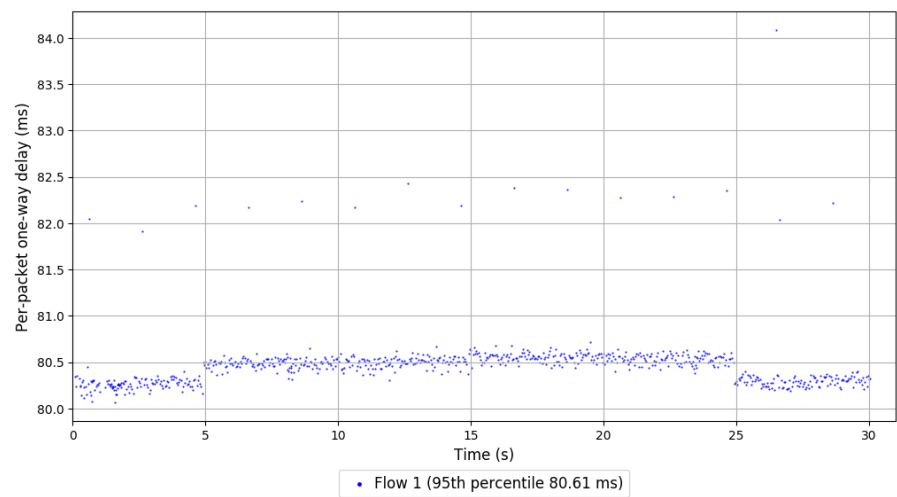
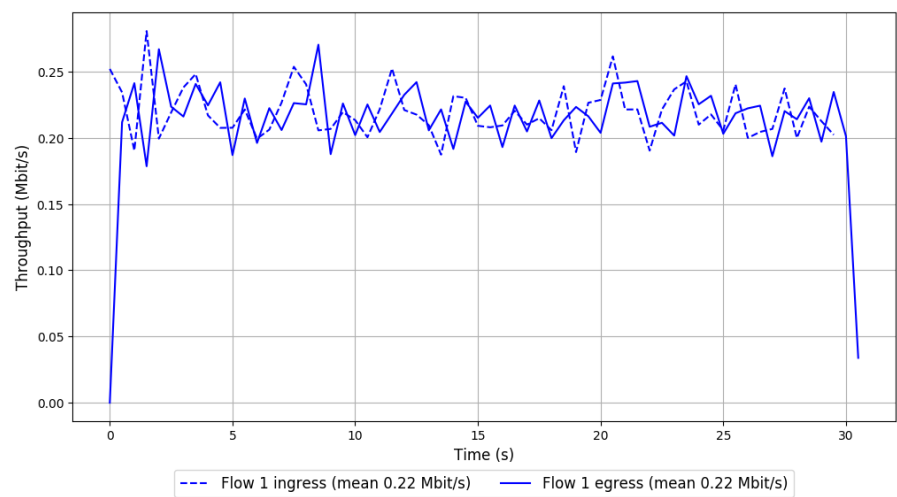


Run 5: Statistics of SCReAM

Start at: 2018-06-05 04:42:37  
End at: 2018-06-05 04:43:07  
Local clock offset: 28.129 ms  
Remote clock offset: -0.091 ms

# Below is generated by plot.py at 2018-06-05 07:47:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 80.615 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 80.615 ms  
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

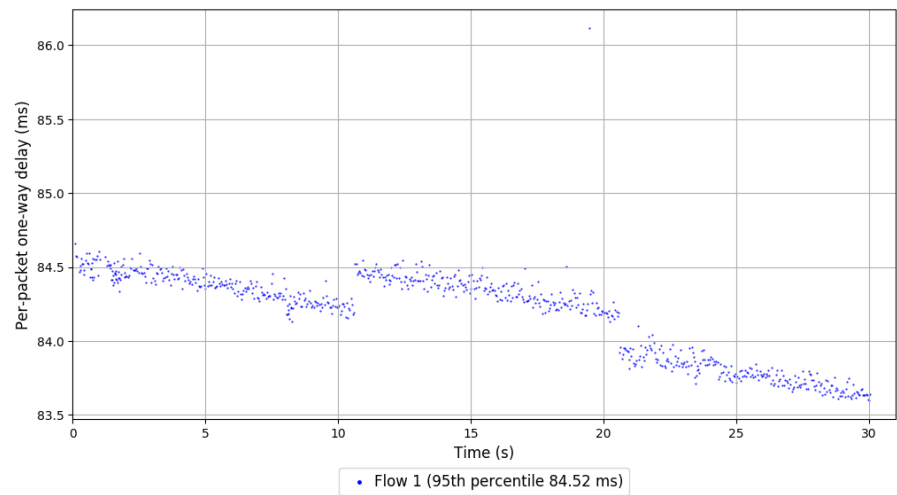
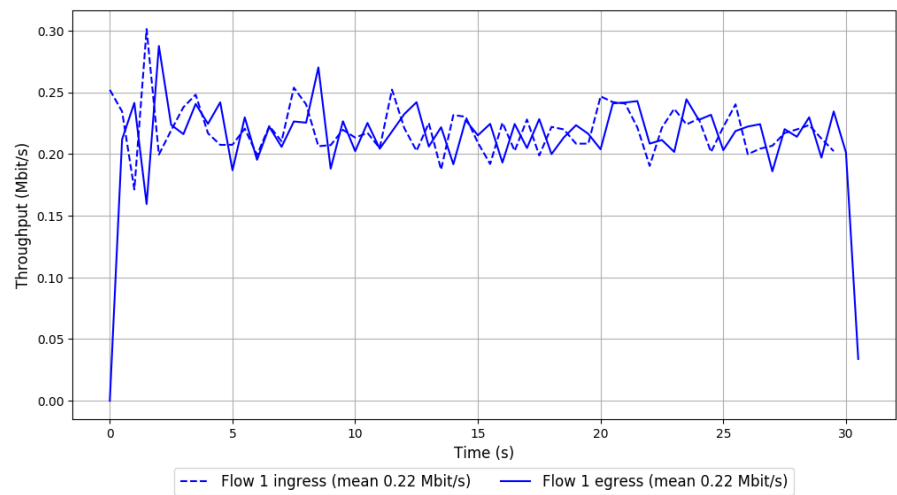


Run 6: Statistics of SCReAM

Start at: 2018-06-05 05:03:31  
End at: 2018-06-05 05:04:01  
Local clock offset: 20.203 ms  
Remote clock offset: -0.124 ms

# Below is generated by plot.py at 2018-06-05 07:47:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 84.518 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 84.518 ms  
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-06-05 05:24:19

End at: 2018-06-05 05:24:49

Local clock offset: 6.369 ms

Remote clock offset: -0.1 ms

# Below is generated by plot.py at 2018-06-05 07:47:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.808 ms

Loss rate: 0.00%

-- Flow 1:

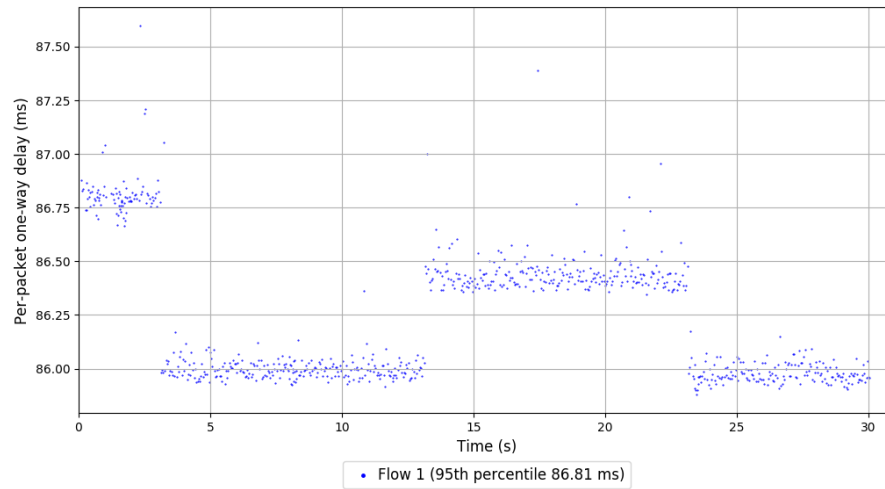
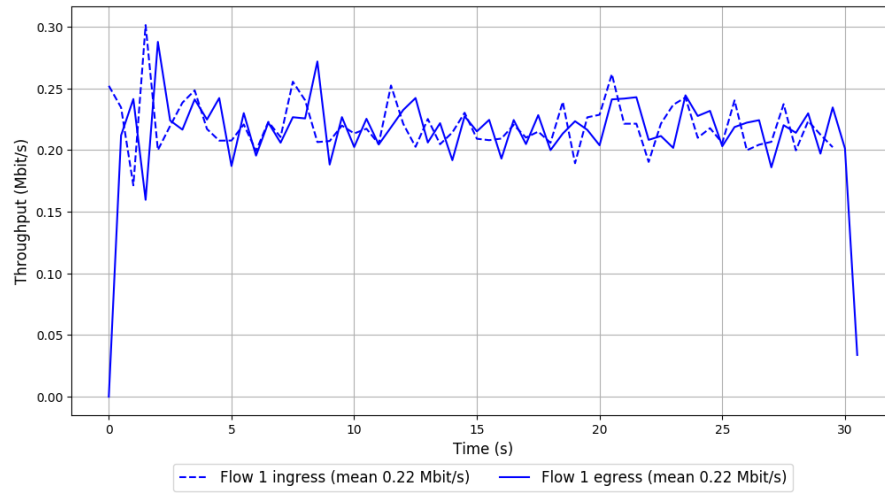
Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.808 ms

Loss rate: 0.00%



## Run 7: Report of SReAM — Data Link

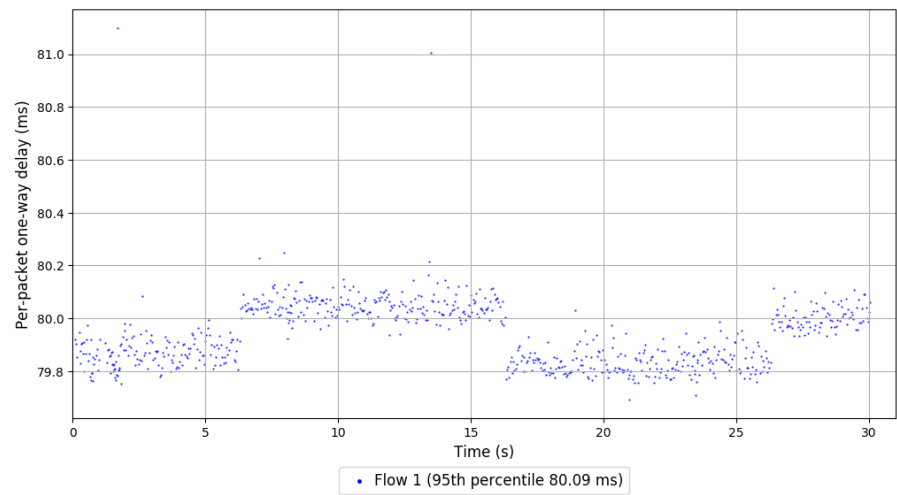
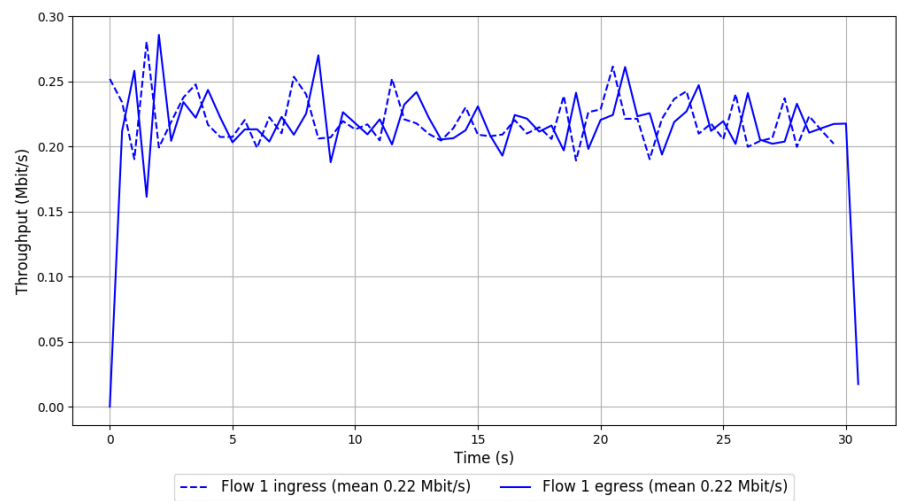


Run 8: Statistics of SCReAM

Start at: 2018-06-05 05:45:26  
End at: 2018-06-05 05:45:56  
Local clock offset: 8.831 ms  
Remote clock offset: -0.095 ms

# Below is generated by plot.py at 2018-06-05 07:47:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 80.095 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 80.095 ms  
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

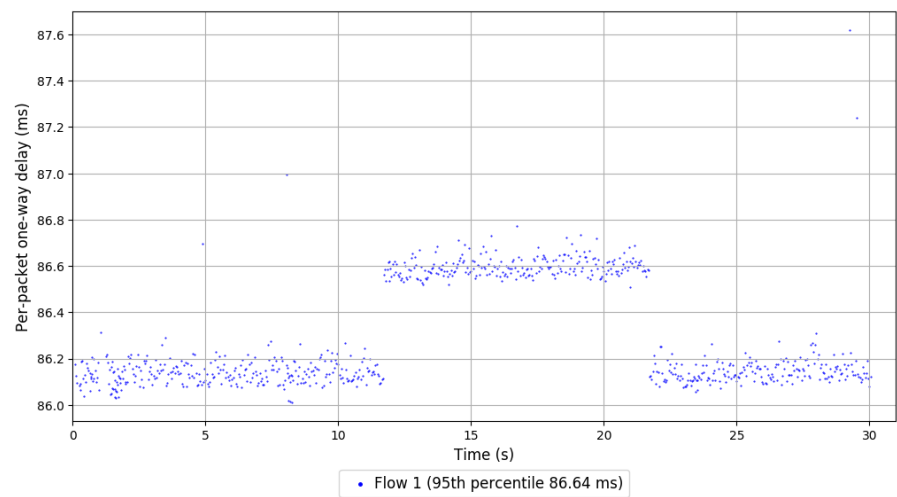
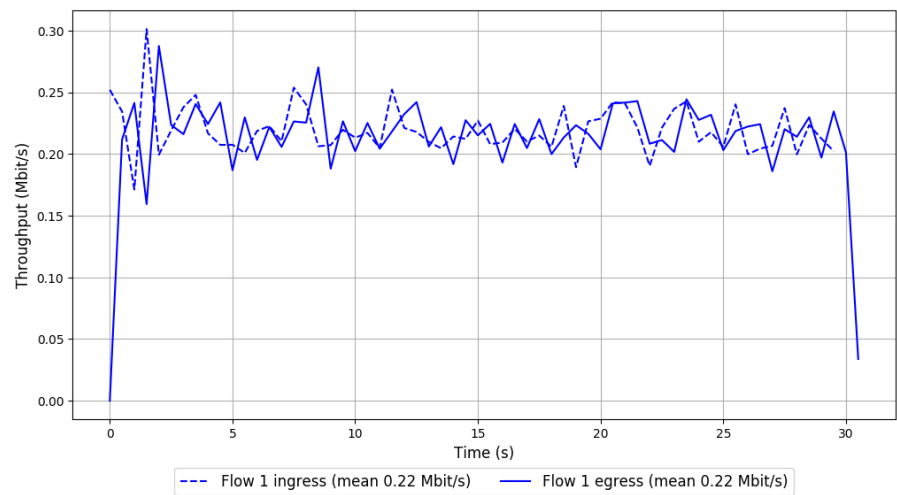


Run 9: Statistics of SCReAM

Start at: 2018-06-05 06:06:30  
End at: 2018-06-05 06:07:00  
Local clock offset: 2.934 ms  
Remote clock offset: -0.055 ms

# Below is generated by plot.py at 2018-06-05 07:47:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 86.638 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 86.638 ms  
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-06-05 06:27:17

End at: 2018-06-05 06:27:47

Local clock offset: 5.31 ms

Remote clock offset: -0.041 ms

# Below is generated by plot.py at 2018-06-05 07:47:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.079 ms

Loss rate: 0.00%

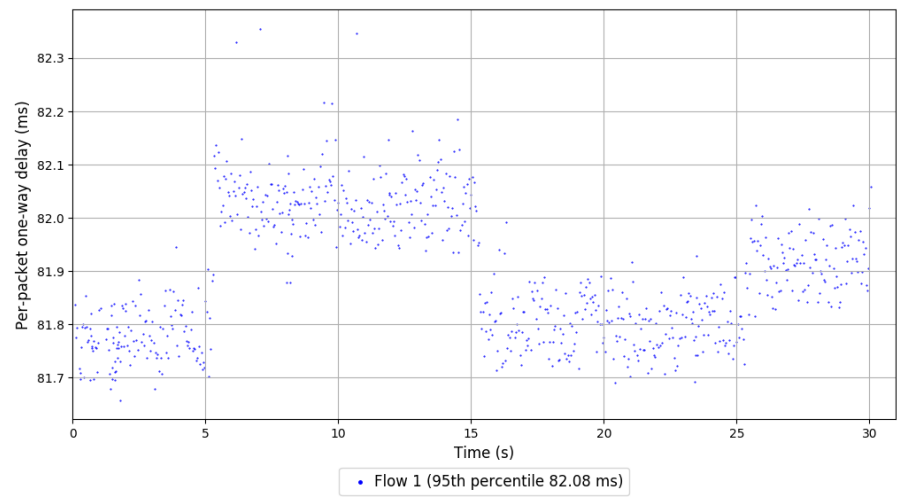
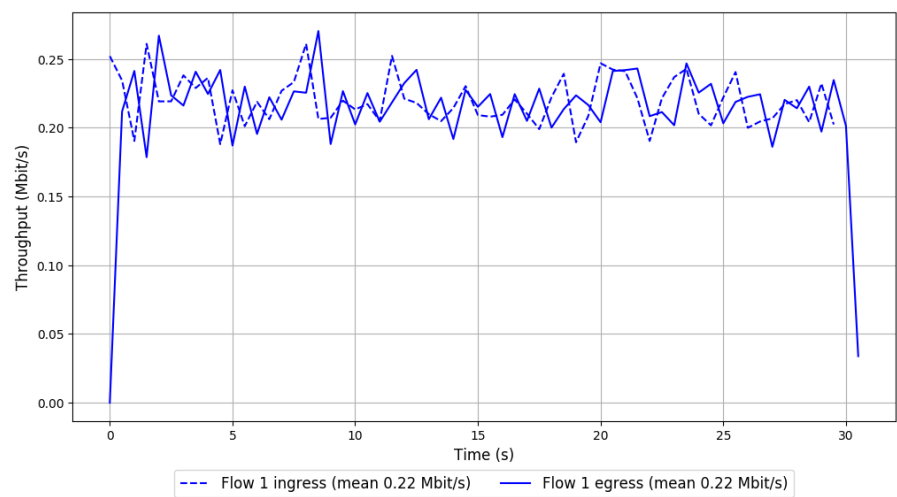
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.079 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



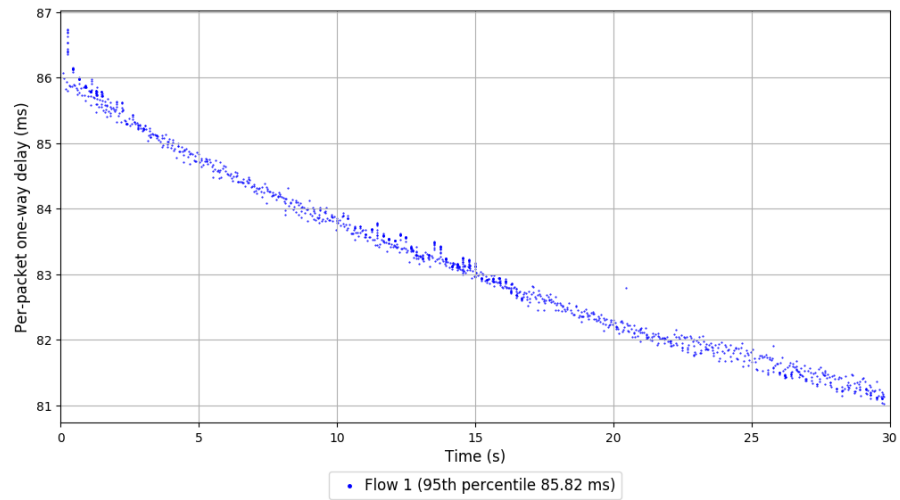
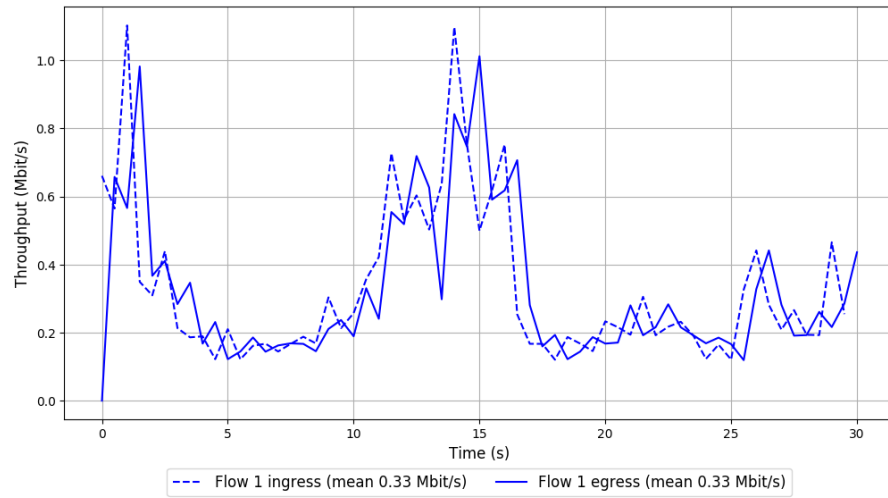
Run 1: Statistics of Sprout

Start at: 2018-06-05 03:12:29  
End at: 2018-06-05 03:12:59  
Local clock offset: 24.393 ms  
Remote clock offset: -0.058 ms

# Below is generated by plot.py at 2018-06-05 07:47:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.33 Mbit/s  
95th percentile per-packet one-way delay: 85.817 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.33 Mbit/s  
95th percentile per-packet one-way delay: 85.817 ms  
Loss rate: 0.00%



# Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-06-05 03:32:59

End at: 2018-06-05 03:33:29

Local clock offset: 23.92 ms

Remote clock offset: 0.168 ms

# Below is generated by plot.py at 2018-06-05 07:47:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 88.588 ms

Loss rate: 0.00%

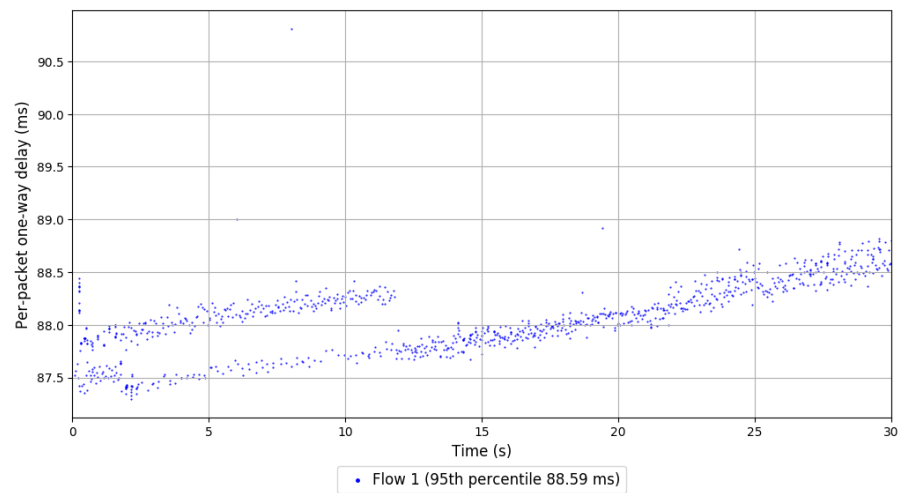
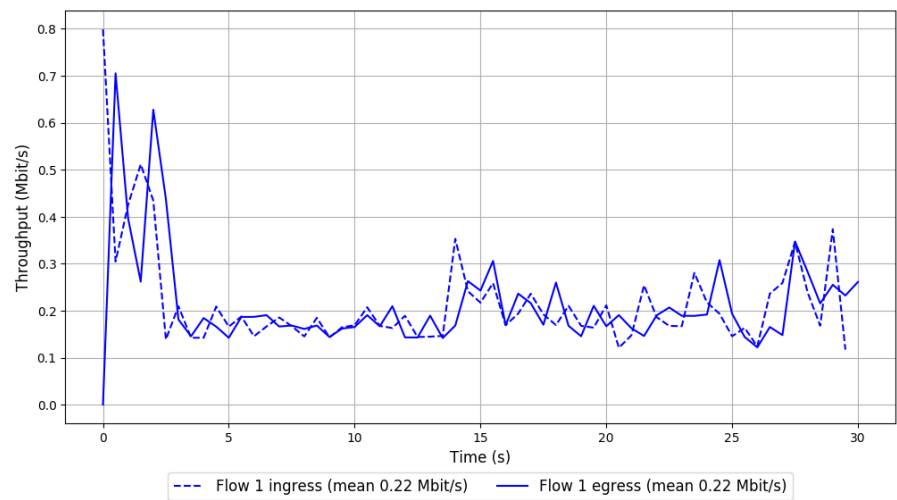
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 88.588 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

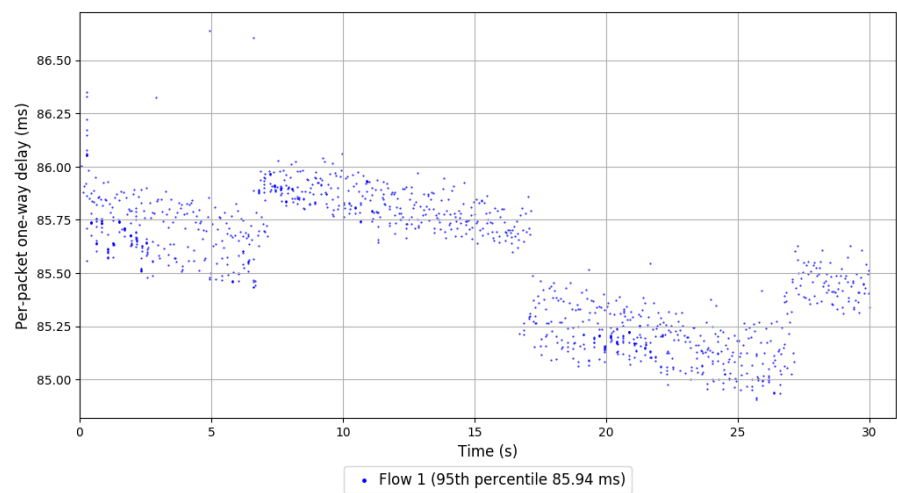
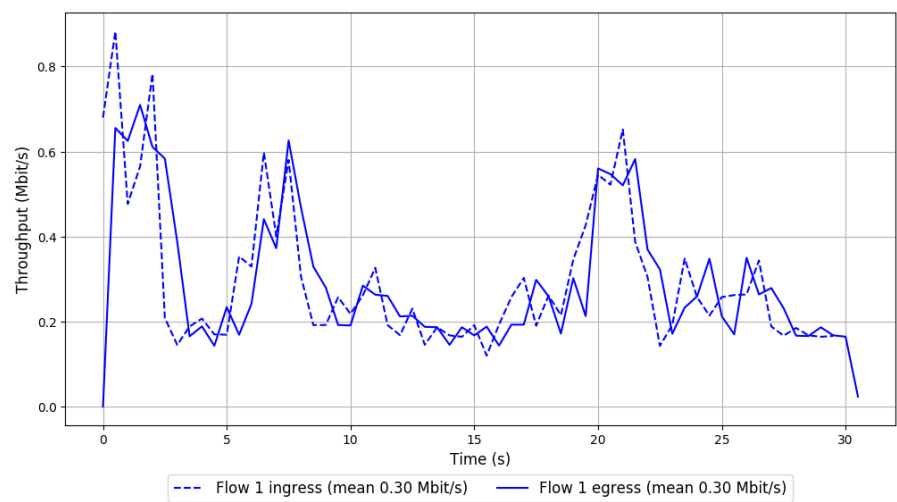


Run 3: Statistics of Sprout

Start at: 2018-06-05 03:53:45  
End at: 2018-06-05 03:54:15  
Local clock offset: 33.568 ms  
Remote clock offset: -0.037 ms

# Below is generated by plot.py at 2018-06-05 07:47:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.30 Mbit/s  
95th percentile per-packet one-way delay: 85.939 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.30 Mbit/s  
95th percentile per-packet one-way delay: 85.939 ms  
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

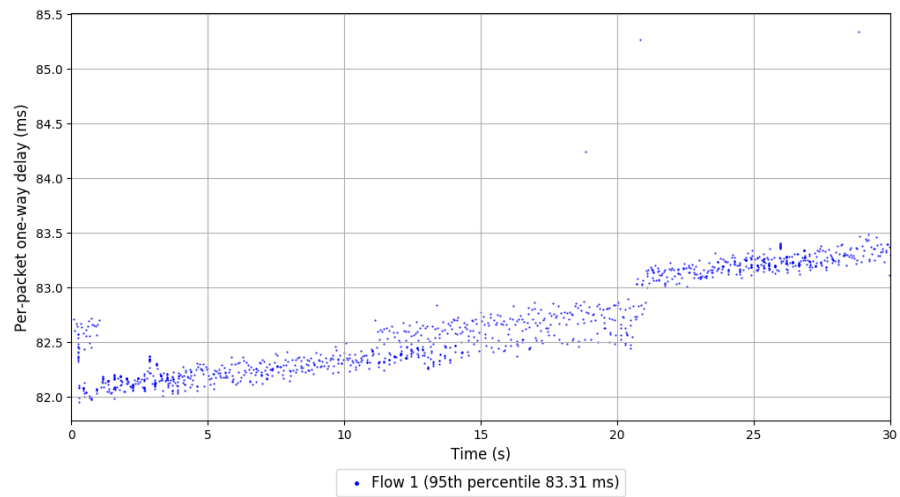
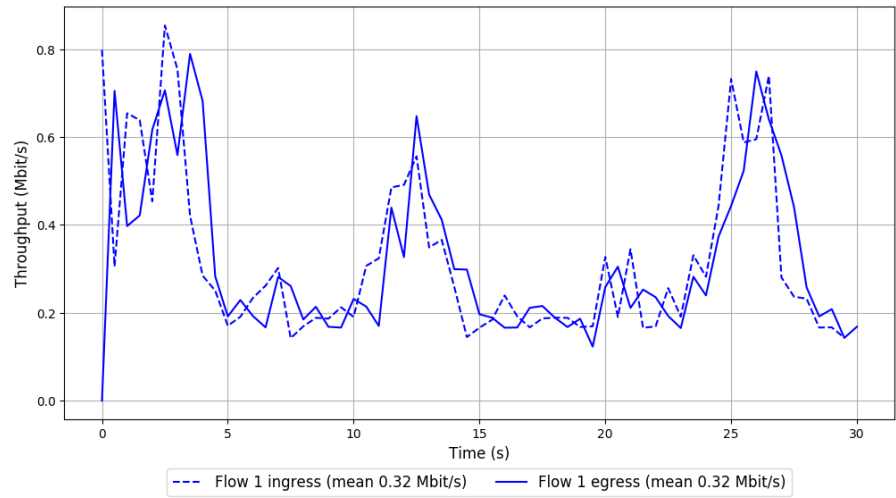


Run 4: Statistics of Sprout

Start at: 2018-06-05 04:14:31  
End at: 2018-06-05 04:15:01  
Local clock offset: 46.807 ms  
Remote clock offset: -0.212 ms

# Below is generated by plot.py at 2018-06-05 07:47:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.32 Mbit/s  
95th percentile per-packet one-way delay: 83.311 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.32 Mbit/s  
95th percentile per-packet one-way delay: 83.311 ms  
Loss rate: 0.00%

#### Run 4: Report of Sprout — Data Link



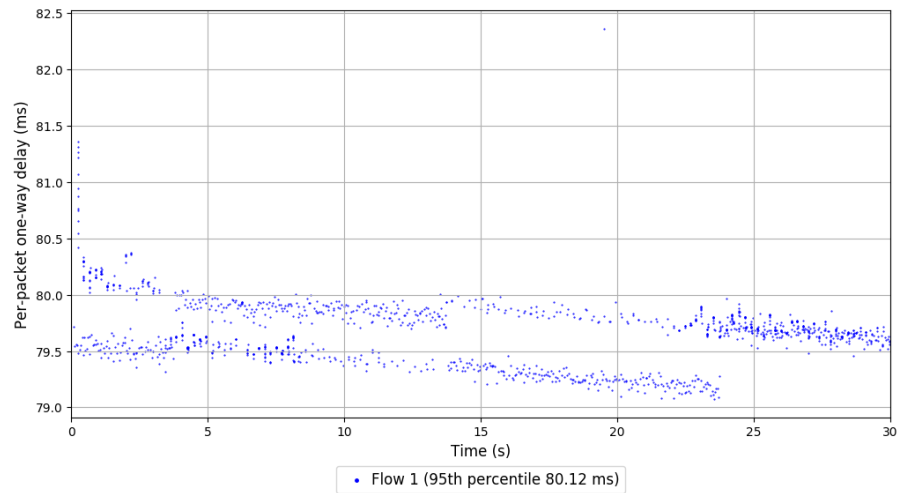
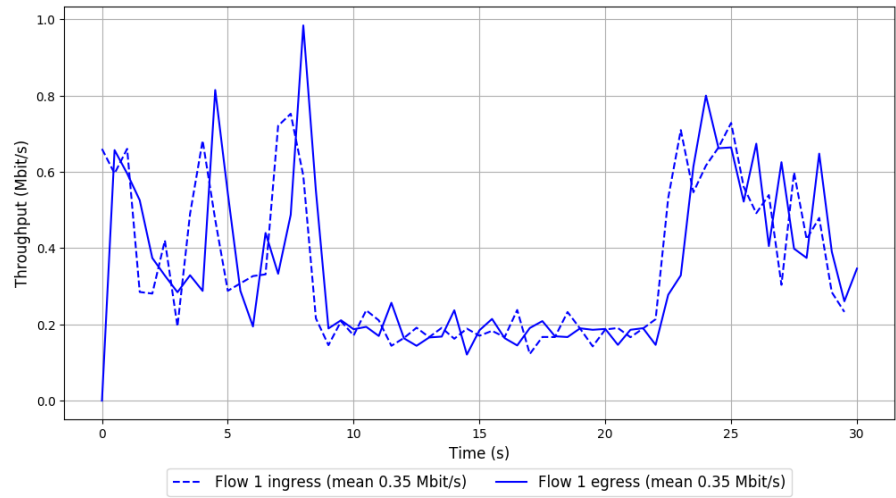
Run 5: Statistics of Sprout

Start at: 2018-06-05 04:35:28  
End at: 2018-06-05 04:35:58  
Local clock offset: 32.582 ms  
Remote clock offset: -0.085 ms

# Below is generated by plot.py at 2018-06-05 07:47:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.35 Mbit/s  
95th percentile per-packet one-way delay: 80.124 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.35 Mbit/s  
95th percentile per-packet one-way delay: 80.124 ms  
Loss rate: 0.00%



## Run 5: Report of Sprout — Data Link

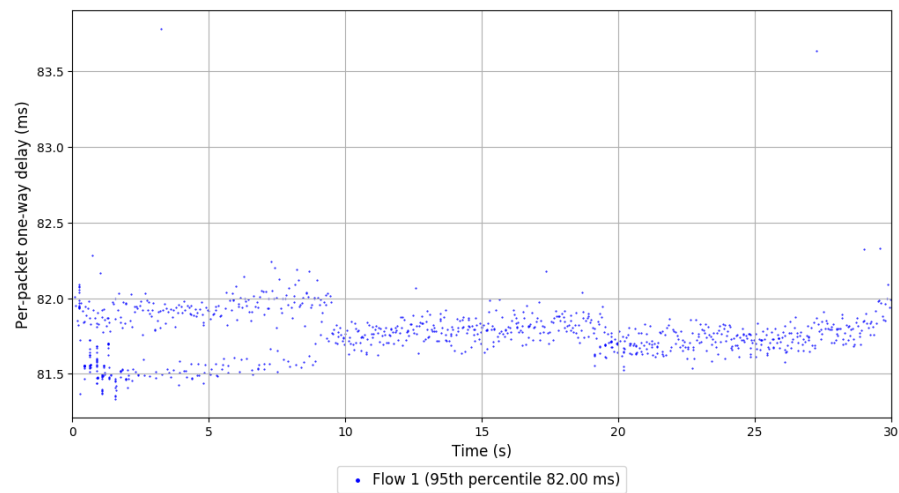
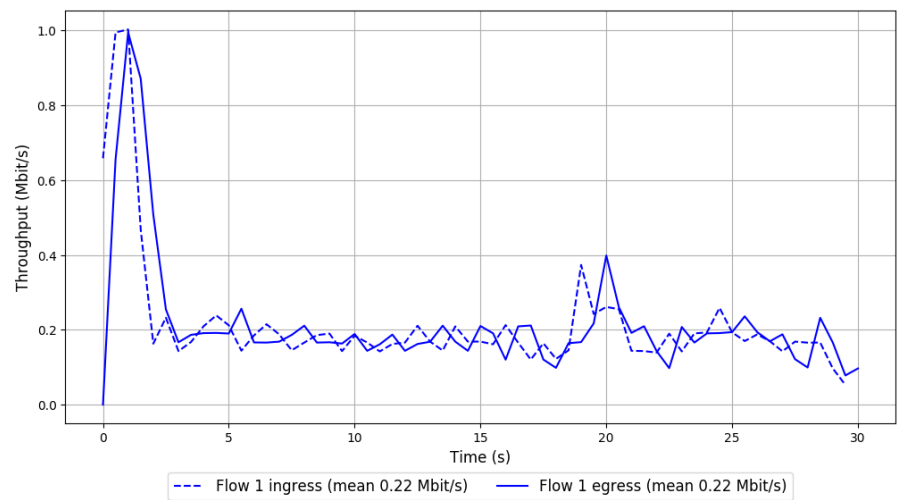


Run 6: Statistics of Sprout

Start at: 2018-06-05 04:56:22  
End at: 2018-06-05 04:56:52  
Local clock offset: 32.529 ms  
Remote clock offset: -0.119 ms

# Below is generated by plot.py at 2018-06-05 07:47:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 82.002 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 82.002 ms  
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

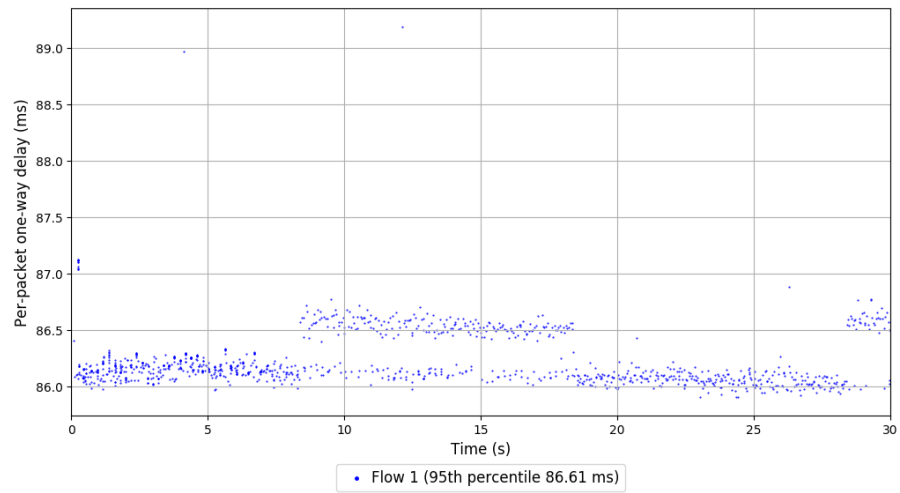
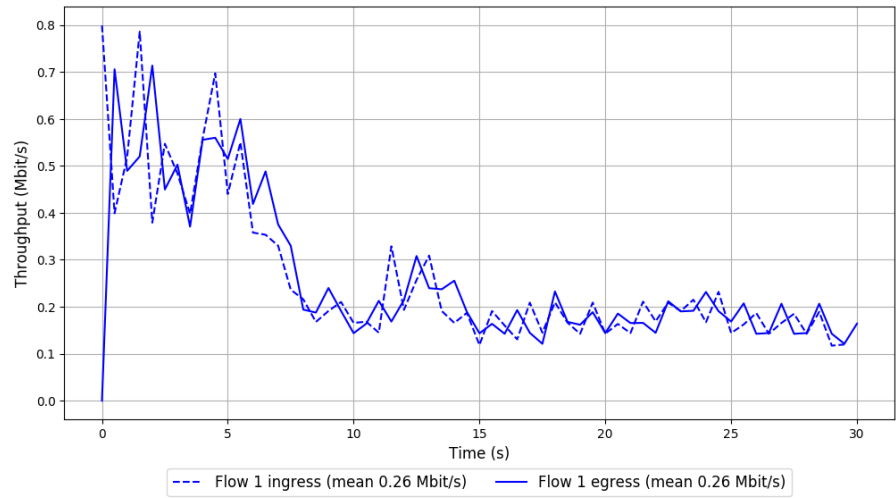


Run 7: Statistics of Sprout

Start at: 2018-06-05 05:17:13  
End at: 2018-06-05 05:17:43  
Local clock offset: 6.879 ms  
Remote clock offset: -0.121 ms

# Below is generated by plot.py at 2018-06-05 07:47:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.26 Mbit/s  
95th percentile per-packet one-way delay: 86.615 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.26 Mbit/s  
95th percentile per-packet one-way delay: 86.615 ms  
Loss rate: 0.00%

## Run 7: Report of Sprout — Data Link

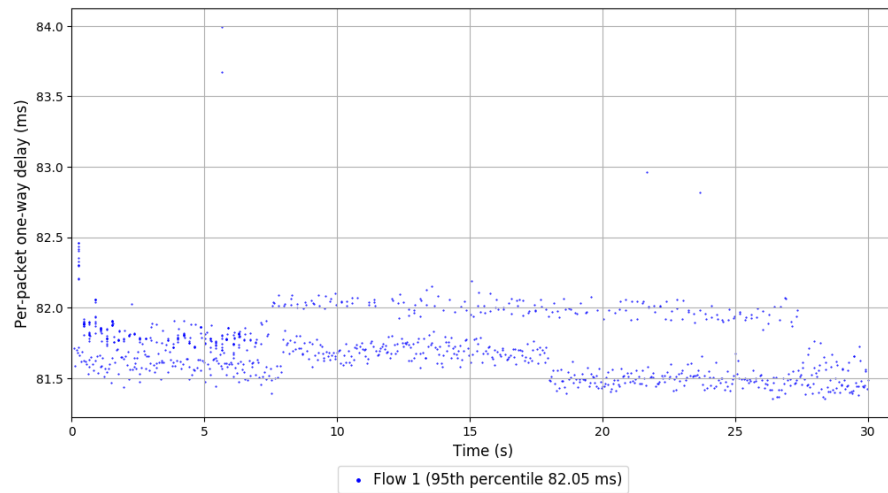
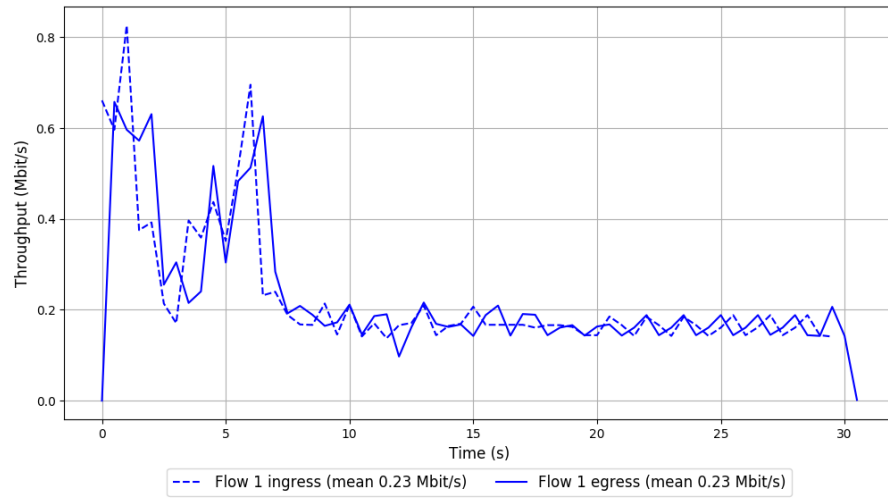


Run 8: Statistics of Sprout

Start at: 2018-06-05 05:38:14  
End at: 2018-06-05 05:38:44  
Local clock offset: 8.714 ms  
Remote clock offset: -0.107 ms

# Below is generated by plot.py at 2018-06-05 07:47:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.23 Mbit/s  
95th percentile per-packet one-way delay: 82.052 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.23 Mbit/s  
95th percentile per-packet one-way delay: 82.052 ms  
Loss rate: 0.00%

## Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-06-05 05:59:19

End at: 2018-06-05 05:59:49

Local clock offset: 2.756 ms

Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2018-06-05 07:47:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 86.543 ms

Loss rate: 0.00%

-- Flow 1:

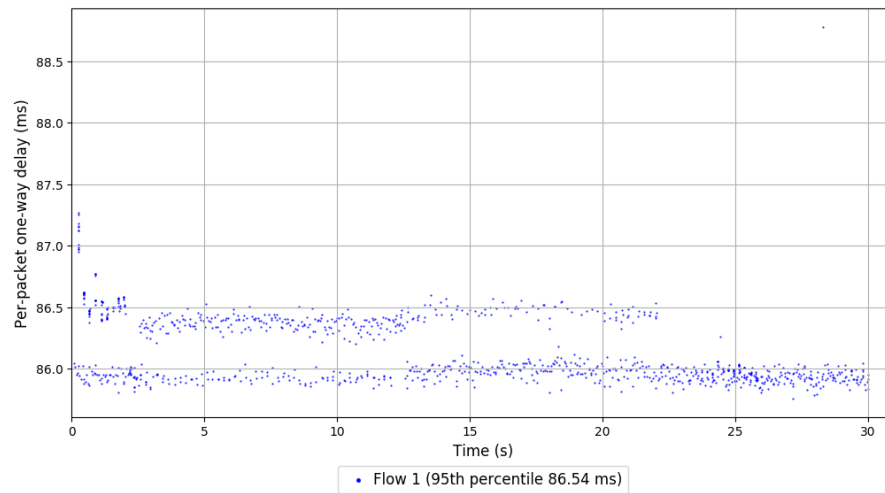
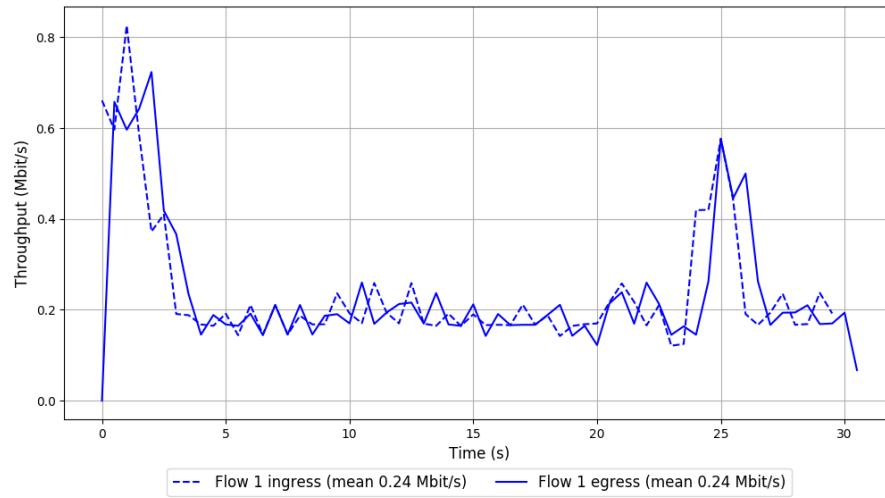
Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 86.543 ms

Loss rate: 0.00%



### Run 9: Report of Sprout — Data Link

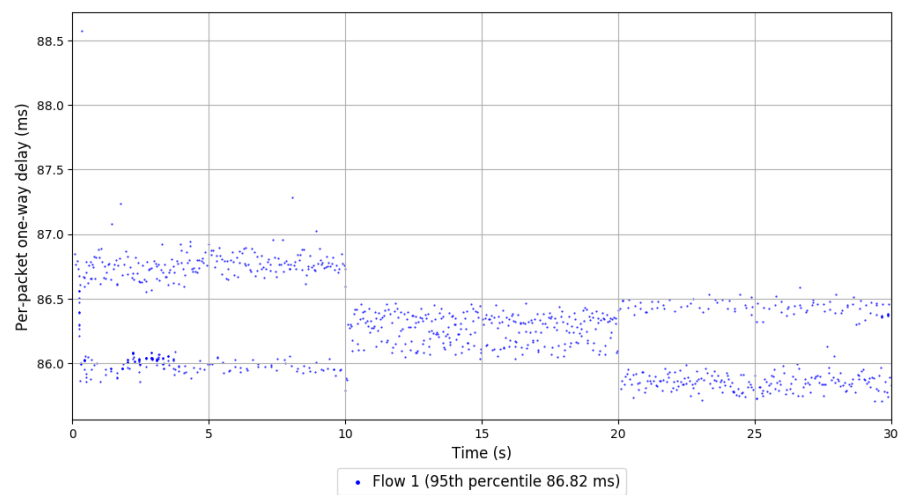
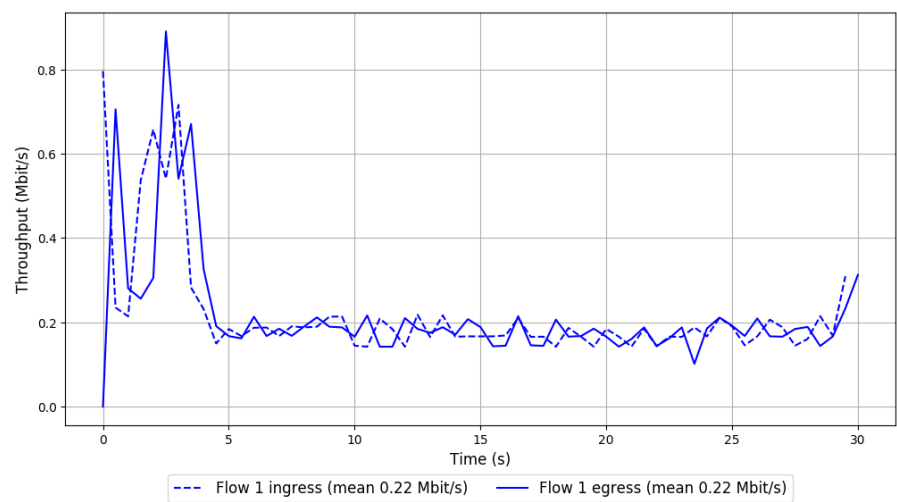


Run 10: Statistics of Sprout

Start at: 2018-06-05 06:20:11  
End at: 2018-06-05 06:20:41  
Local clock offset: 1.357 ms  
Remote clock offset: -0.055 ms

# Below is generated by plot.py at 2018-06-05 07:47:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 86.816 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 86.816 ms  
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-06-05 03:22:15

End at: 2018-06-05 03:22:45

Local clock offset: 40.091 ms

Remote clock offset: -0.073 ms

# Below is generated by plot.py at 2018-06-05 07:50:39

# Datalink statistics

-- Total of 1 flow:

Average throughput: 220.57 Mbit/s

95th percentile per-packet one-way delay: 87.722 ms

Loss rate: 0.00%

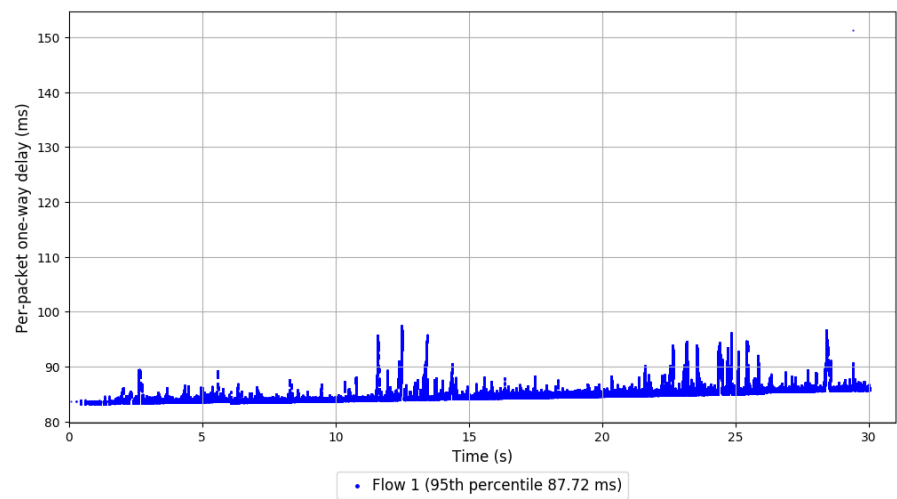
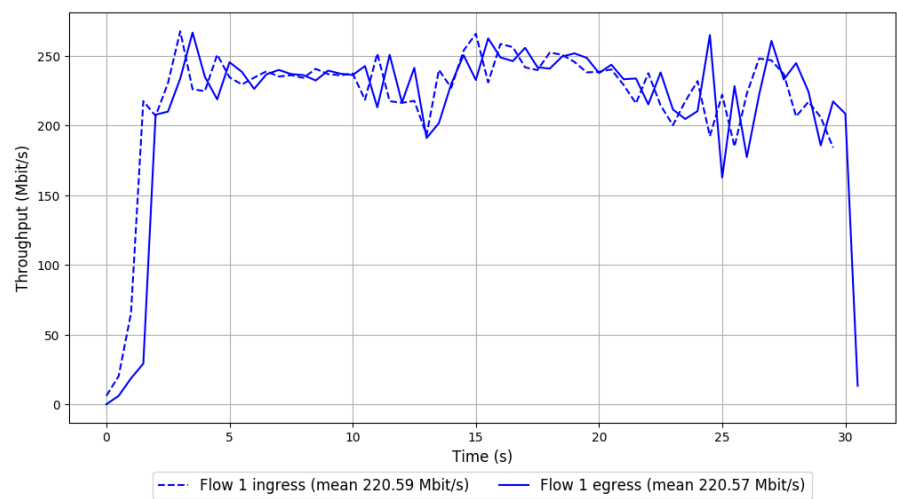
-- Flow 1:

Average throughput: 220.57 Mbit/s

95th percentile per-packet one-way delay: 87.722 ms

Loss rate: 0.00%

Run 1: Report of TaoVA-100x — Data Link



Run 2: Statistics of TaoVA-100x

Start at: 2018-06-05 03:42:51

End at: 2018-06-05 03:43:21

Local clock offset: 23.201 ms

Remote clock offset: 0.246 ms

# Below is generated by plot.py at 2018-06-05 07:51:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 220.64 Mbit/s

95th percentile per-packet one-way delay: 91.216 ms

Loss rate: 0.00%

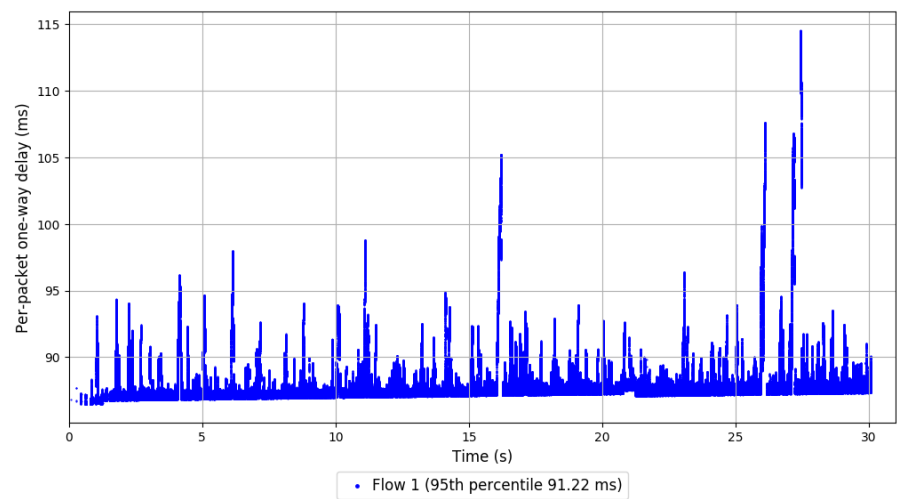
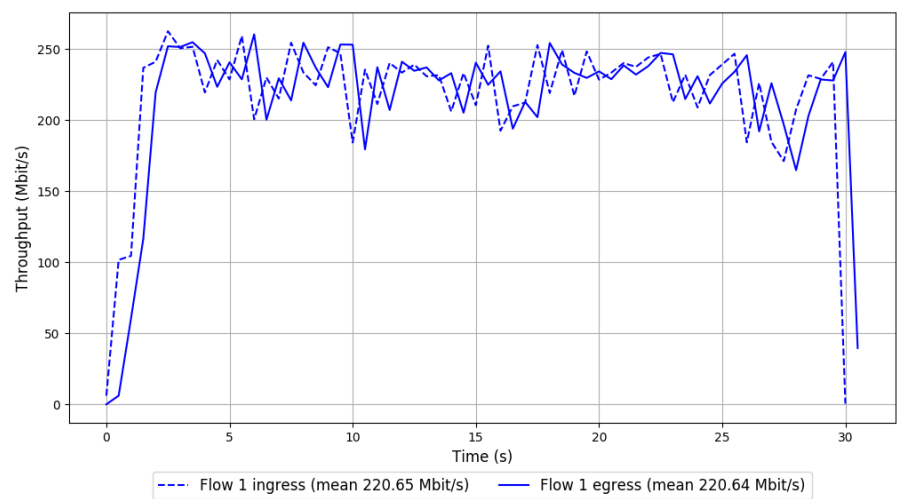
-- Flow 1:

Average throughput: 220.64 Mbit/s

95th percentile per-packet one-way delay: 91.216 ms

Loss rate: 0.00%

Run 2: Report of TaoVA-100x — Data Link



Run 3: Statistics of TaoVA-100x

Start at: 2018-06-05 04:03:38

End at: 2018-06-05 04:04:08

Local clock offset: 36.432 ms

Remote clock offset: -0.105 ms

# Below is generated by plot.py at 2018-06-05 07:52:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 222.76 Mbit/s

95th percentile per-packet one-way delay: 81.266 ms

Loss rate: 0.00%

-- Flow 1:

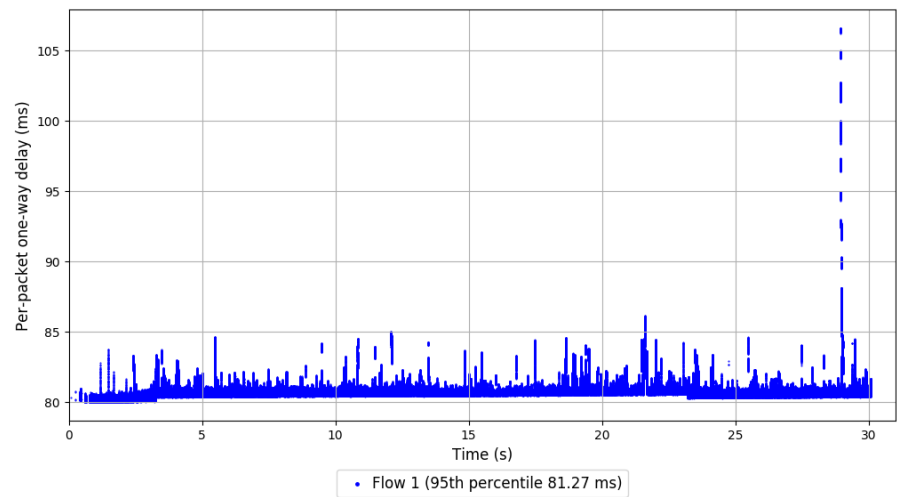
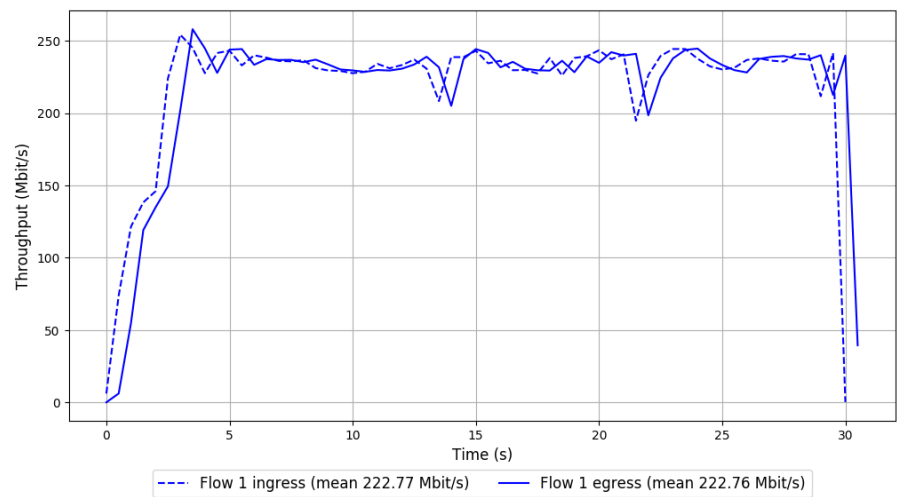
Average throughput: 222.76 Mbit/s

95th percentile per-packet one-way delay: 81.266 ms

Loss rate: 0.00%



Run 3: Report of TaoVA-100x — Data Link



Run 4: Statistics of TaoVA-100x

Start at: 2018-06-05 04:24:28

End at: 2018-06-05 04:24:58

Local clock offset: 57.421 ms

Remote clock offset: -0.131 ms

# Below is generated by plot.py at 2018-06-05 07:52:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 225.83 Mbit/s

95th percentile per-packet one-way delay: 87.684 ms

Loss rate: 0.00%

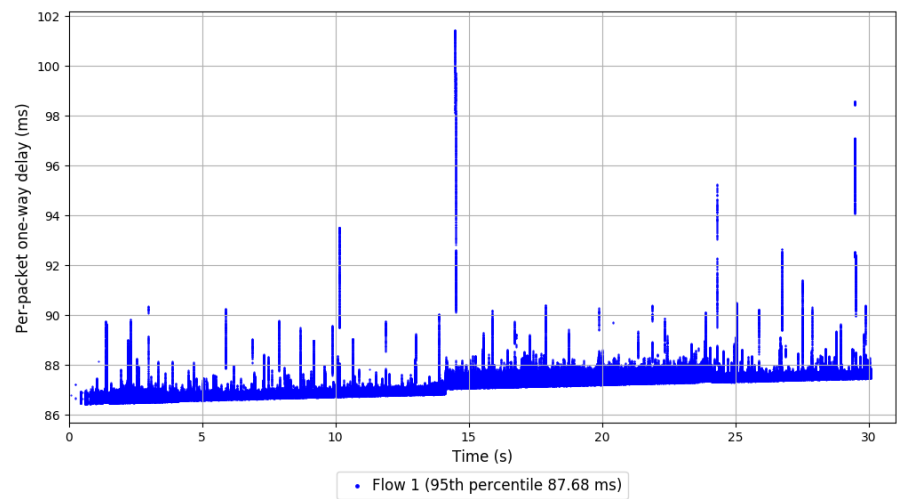
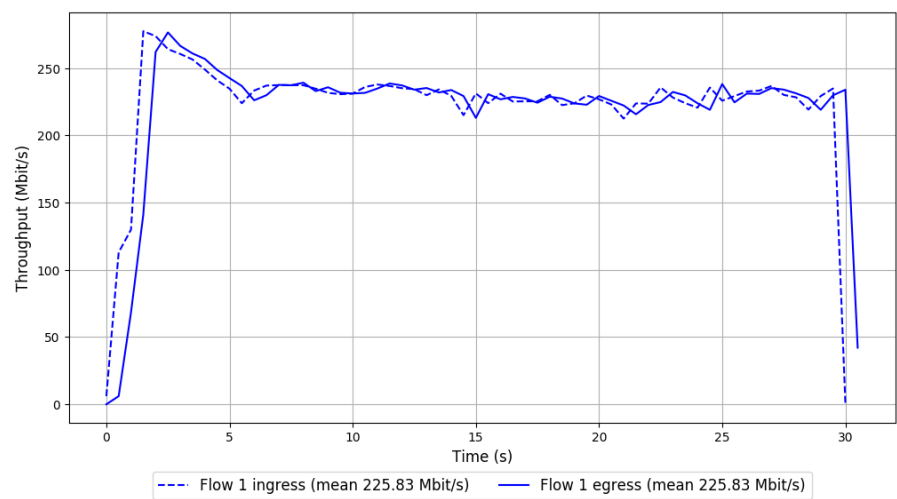
-- Flow 1:

Average throughput: 225.83 Mbit/s

95th percentile per-packet one-way delay: 87.684 ms

Loss rate: 0.00%

Run 4: Report of TaoVA-100x — Data Link

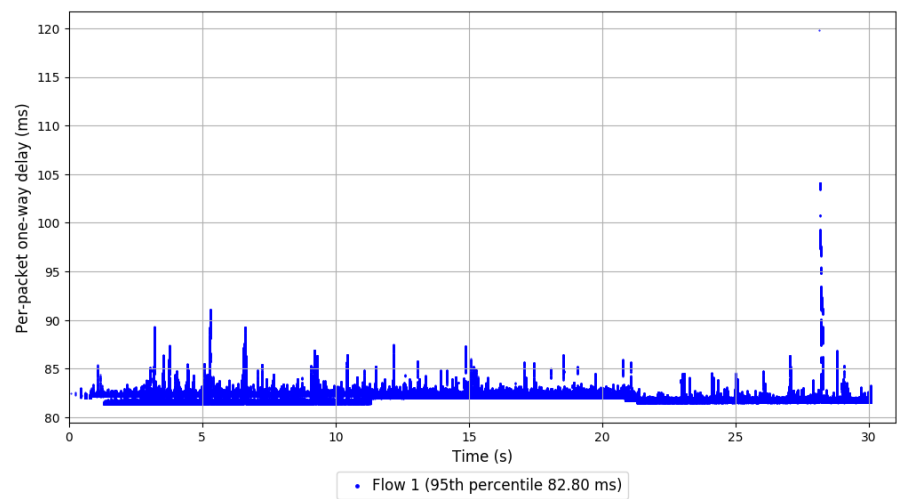
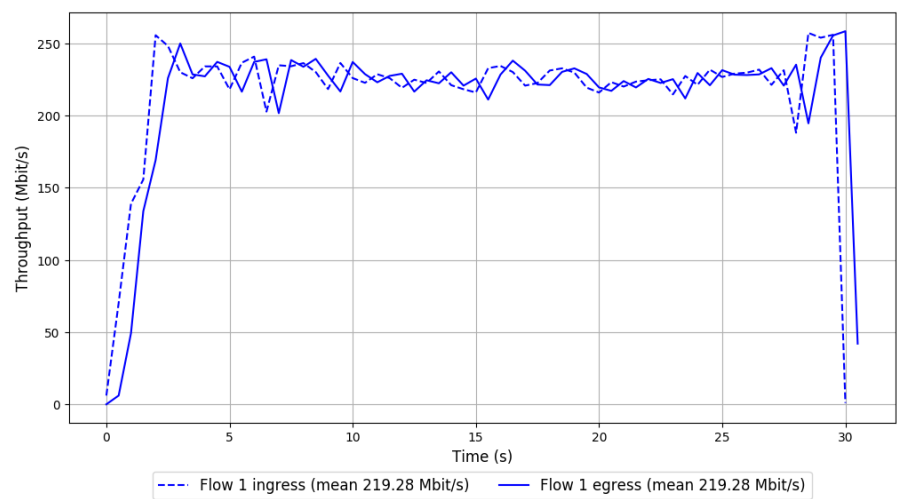


Run 5: Statistics of TaoVA-100x

Start at: 2018-06-05 04:45:21  
End at: 2018-06-05 04:45:51  
Local clock offset: 26.962 ms  
Remote clock offset: -0.098 ms

# Below is generated by plot.py at 2018-06-05 07:53:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 219.28 Mbit/s  
95th percentile per-packet one-way delay: 82.804 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 219.28 Mbit/s  
95th percentile per-packet one-way delay: 82.804 ms  
Loss rate: 0.00%

Run 5: Report of TaoVA-100x — Data Link



Run 6: Statistics of TaoVA-100x

Start at: 2018-06-05 05:06:12

End at: 2018-06-05 05:06:42

Local clock offset: 19.392 ms

Remote clock offset: -0.106 ms

# Below is generated by plot.py at 2018-06-05 07:53:16

# Datalink statistics

-- Total of 1 flow:

Average throughput: 220.57 Mbit/s

95th percentile per-packet one-way delay: 81.767 ms

Loss rate: 0.02%

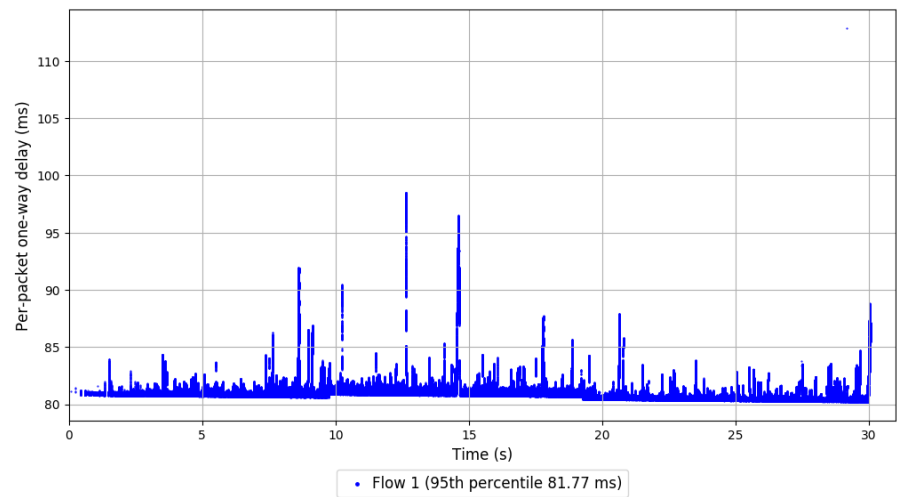
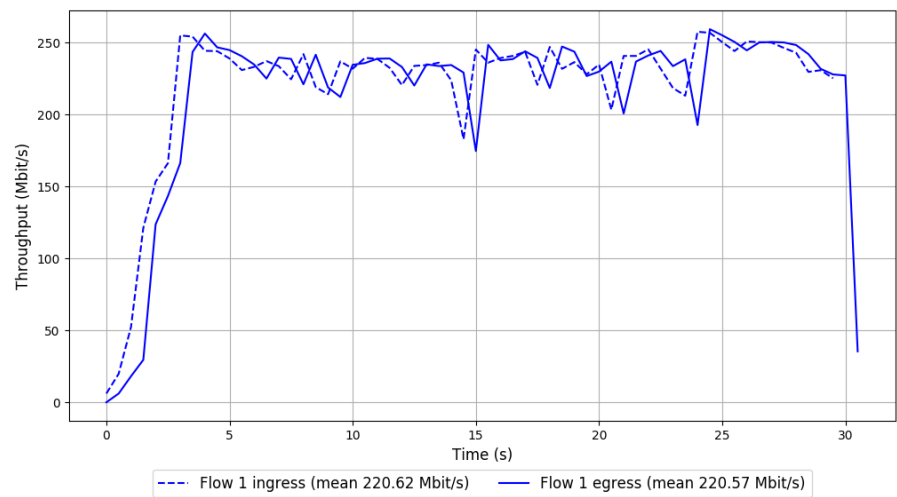
-- Flow 1:

Average throughput: 220.57 Mbit/s

95th percentile per-packet one-way delay: 81.767 ms

Loss rate: 0.02%

Run 6: Report of TaoVA-100x — Data Link



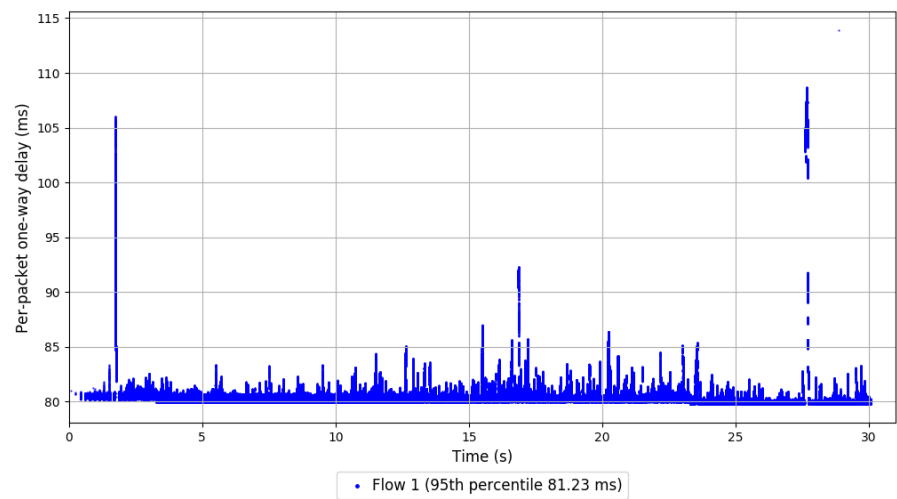
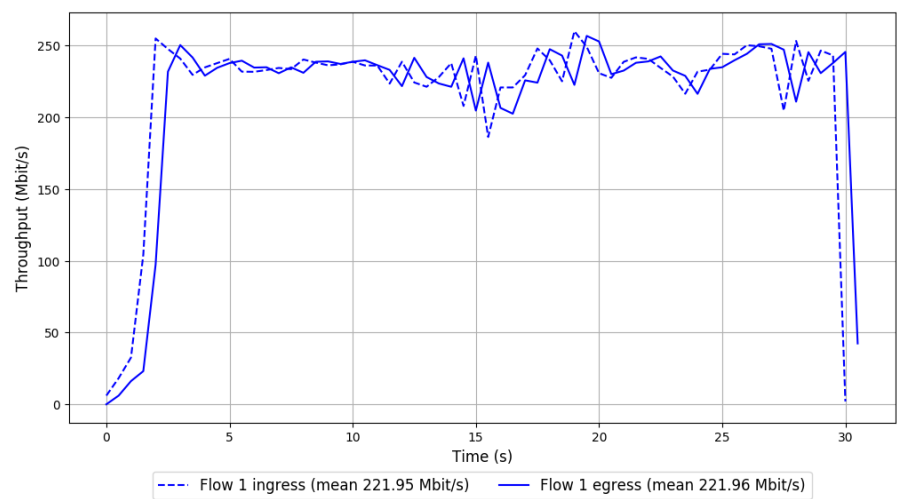
Run 7: Statistics of TaoVA-100x

Start at: 2018-06-05 05:27:08  
End at: 2018-06-05 05:27:38  
Local clock offset: 12.387 ms  
Remote clock offset: -0.182 ms

# Below is generated by plot.py at 2018-06-05 07:53:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 221.96 Mbit/s  
95th percentile per-packet one-way delay: 81.226 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 221.96 Mbit/s  
95th percentile per-packet one-way delay: 81.226 ms  
Loss rate: 0.00%



Run 7: Report of TaoVA-100x — Data Link



Run 8: Statistics of TaoVA-100x

Start at: 2018-06-05 05:48:08

End at: 2018-06-05 05:48:38

Local clock offset: 2.688 ms

Remote clock offset: -0.099 ms

# Below is generated by plot.py at 2018-06-05 07:54:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 229.88 Mbit/s

95th percentile per-packet one-way delay: 87.030 ms

Loss rate: 0.11%

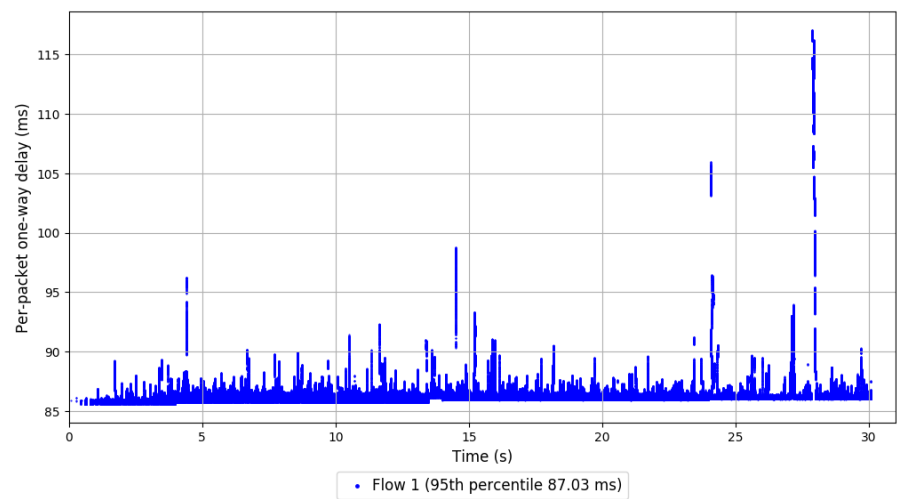
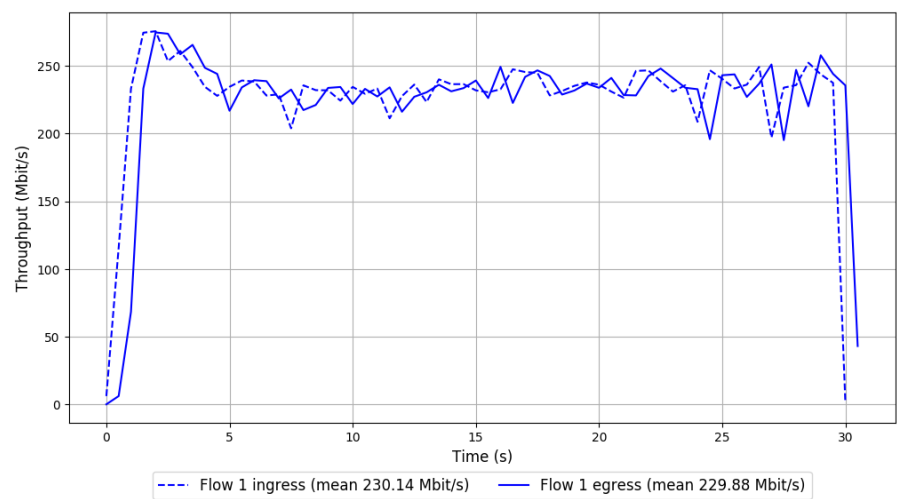
-- Flow 1:

Average throughput: 229.88 Mbit/s

95th percentile per-packet one-way delay: 87.030 ms

Loss rate: 0.11%

Run 8: Report of TaoVA-100x — Data Link



Run 9: Statistics of TaoVA-100x

Start at: 2018-06-05 06:09:16

End at: 2018-06-05 06:09:46

Local clock offset: 3.056 ms

Remote clock offset: -0.084 ms

# Below is generated by plot.py at 2018-06-05 07:58:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 225.13 Mbit/s

95th percentile per-packet one-way delay: 86.486 ms

Loss rate: 0.00%

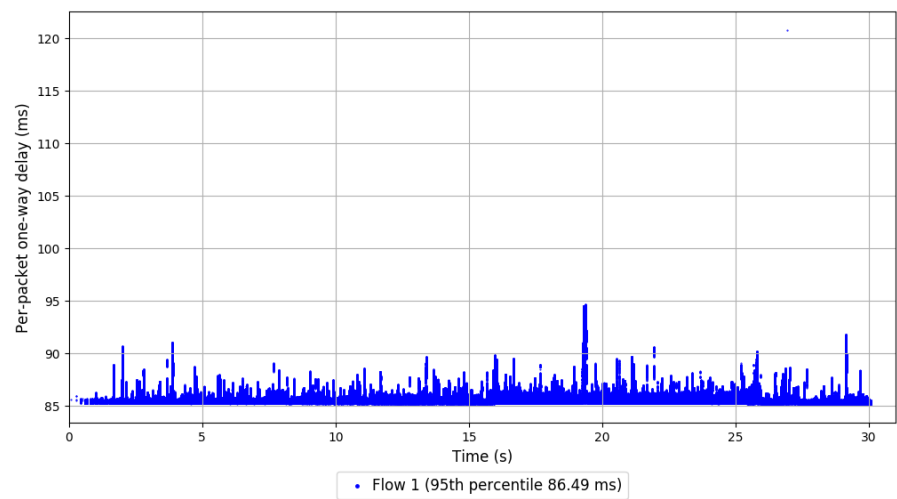
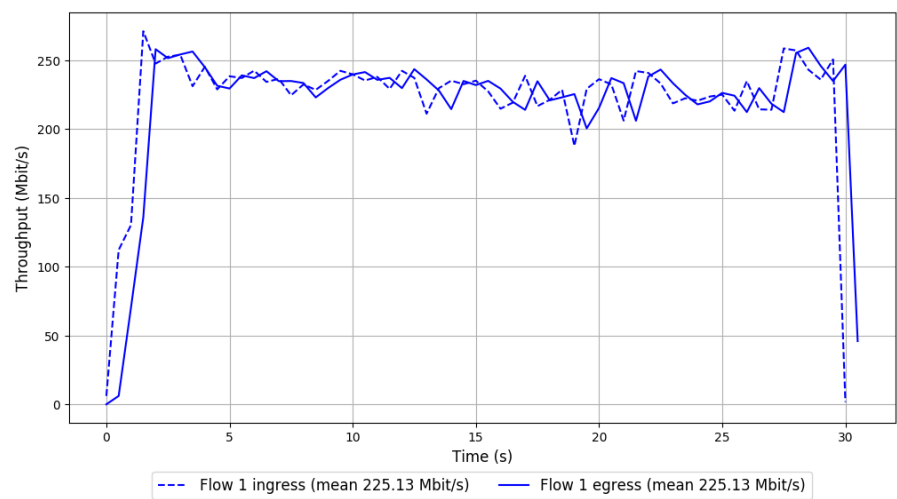
-- Flow 1:

Average throughput: 225.13 Mbit/s

95th percentile per-packet one-way delay: 86.486 ms

Loss rate: 0.00%

Run 9: Report of TaoVA-100x — Data Link



Run 10: Statistics of TaoVA-100x

Start at: 2018-06-05 06:30:02

End at: 2018-06-05 06:30:32

Local clock offset: 5.688 ms

Remote clock offset: -0.003 ms

# Below is generated by plot.py at 2018-06-05 07:58:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 224.81 Mbit/s

95th percentile per-packet one-way delay: 82.491 ms

Loss rate: 0.00%

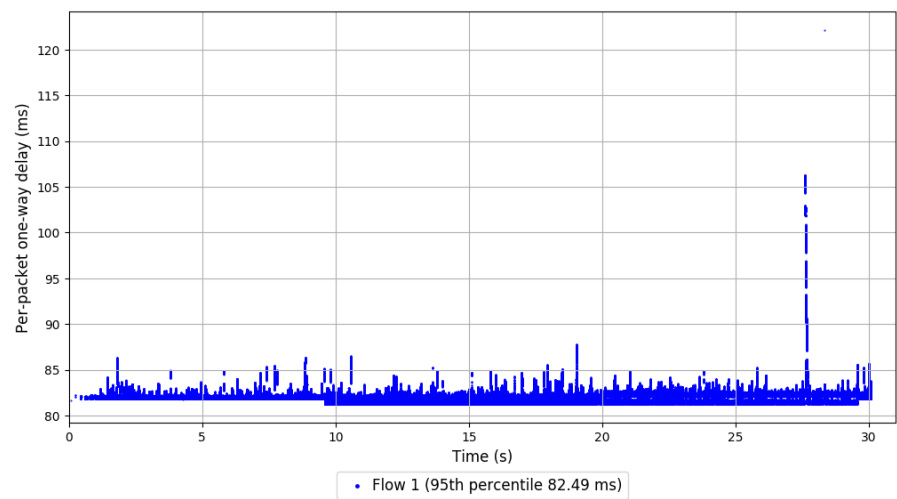
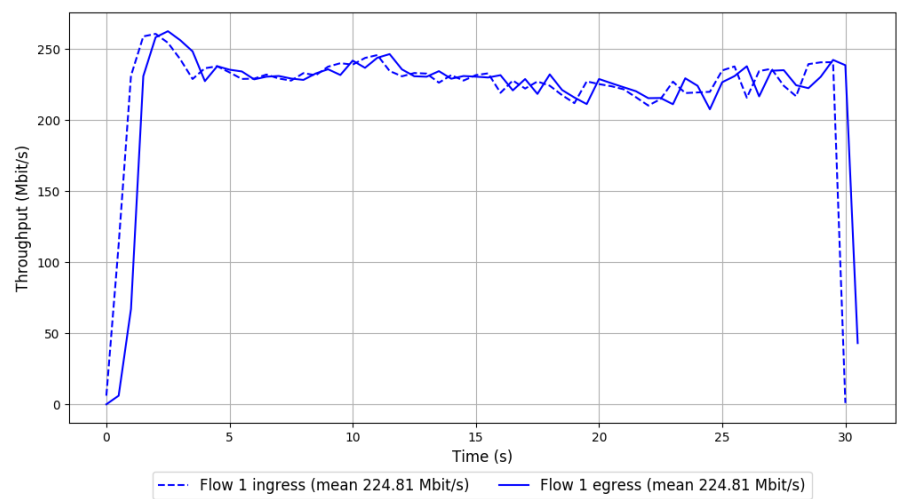
-- Flow 1:

Average throughput: 224.81 Mbit/s

95th percentile per-packet one-way delay: 82.491 ms

Loss rate: 0.00%

Run 10: Report of TaoVA-100x — Data Link



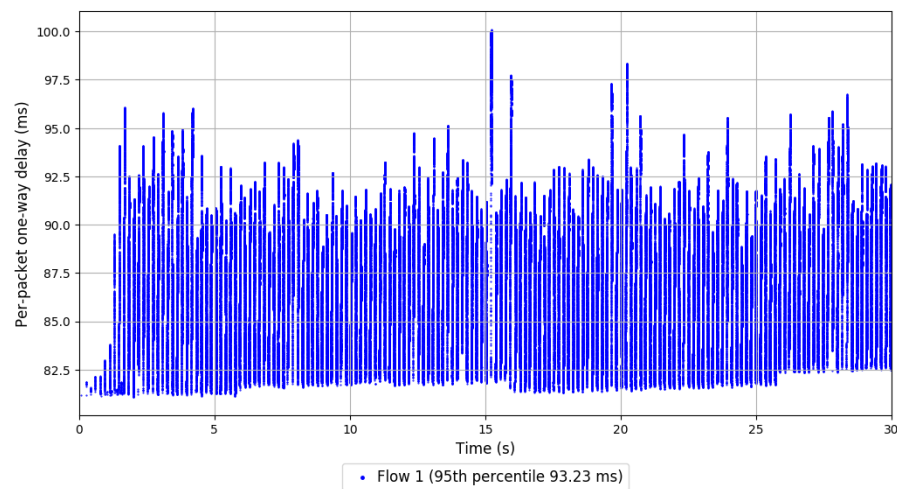
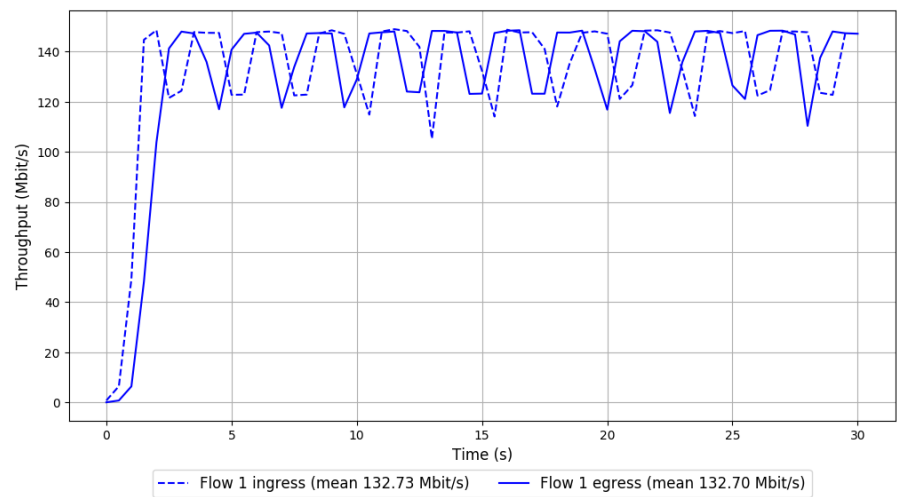
Run 1: Statistics of TCP Vegas

Start at: 2018-06-05 03:13:35  
End at: 2018-06-05 03:14:05  
Local clock offset: 22.911 ms  
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2018-06-05 07:58:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 132.70 Mbit/s  
95th percentile per-packet one-way delay: 93.229 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 132.70 Mbit/s  
95th percentile per-packet one-way delay: 93.229 ms  
Loss rate: 0.00%



Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-06-05 03:34:06

End at: 2018-06-05 03:34:36

Local clock offset: 33.413 ms

Remote clock offset: 0.188 ms

# Below is generated by plot.py at 2018-06-05 07:58:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 132.68 Mbit/s

95th percentile per-packet one-way delay: 87.045 ms

Loss rate: 0.00%

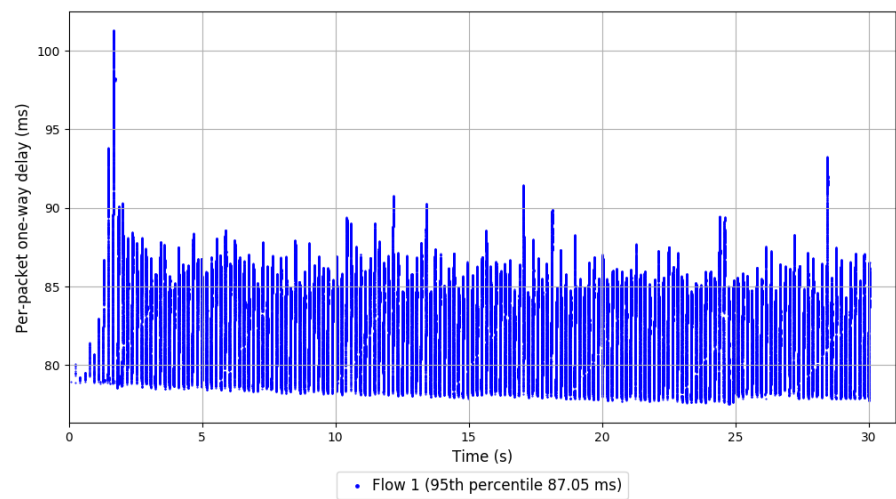
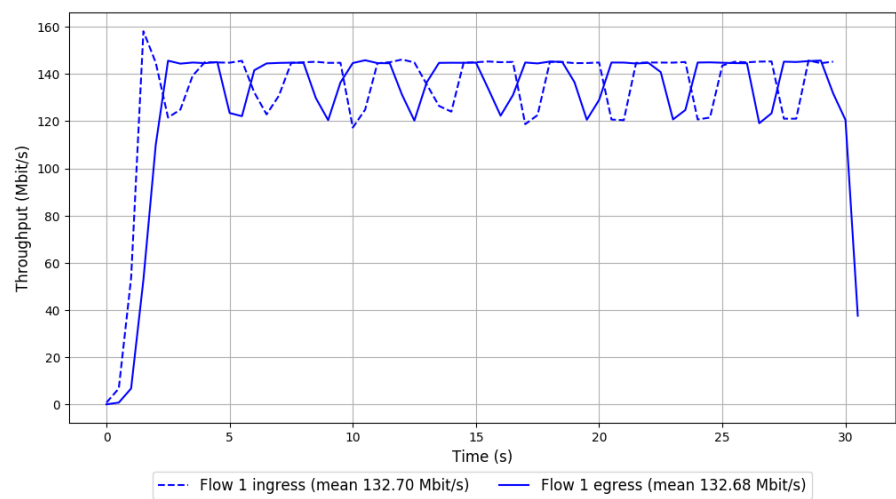
-- Flow 1:

Average throughput: 132.68 Mbit/s

95th percentile per-packet one-way delay: 87.045 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

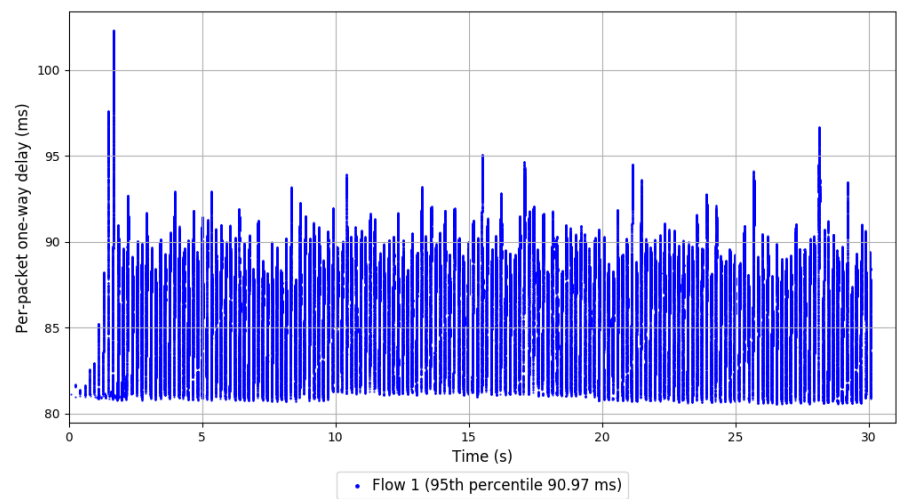
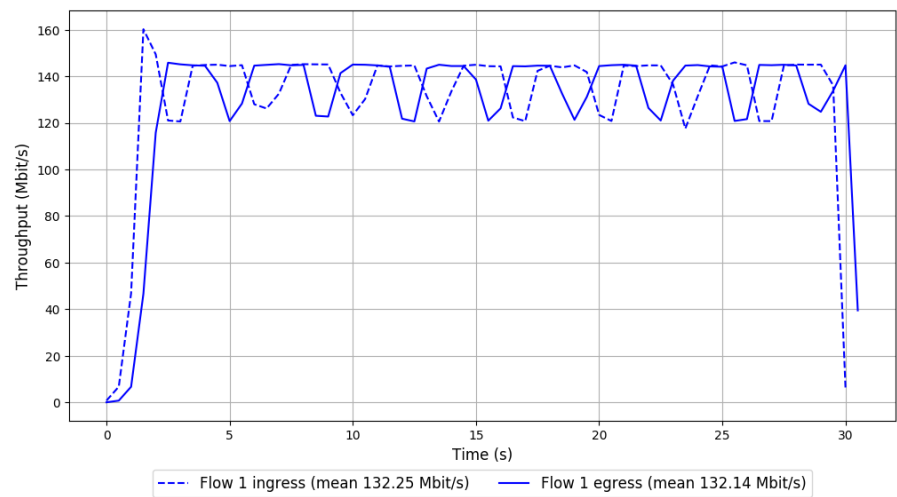


Run 3: Statistics of TCP Vegas

Start at: 2018-06-05 03:54:52  
End at: 2018-06-05 03:55:22  
Local clock offset: 36.628 ms  
Remote clock offset: -0.059 ms

# Below is generated by plot.py at 2018-06-05 07:58:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 132.14 Mbit/s  
95th percentile per-packet one-way delay: 90.973 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 132.14 Mbit/s  
95th percentile per-packet one-way delay: 90.973 ms  
Loss rate: 0.08%

Run 3: Report of TCP Vegas — Data Link

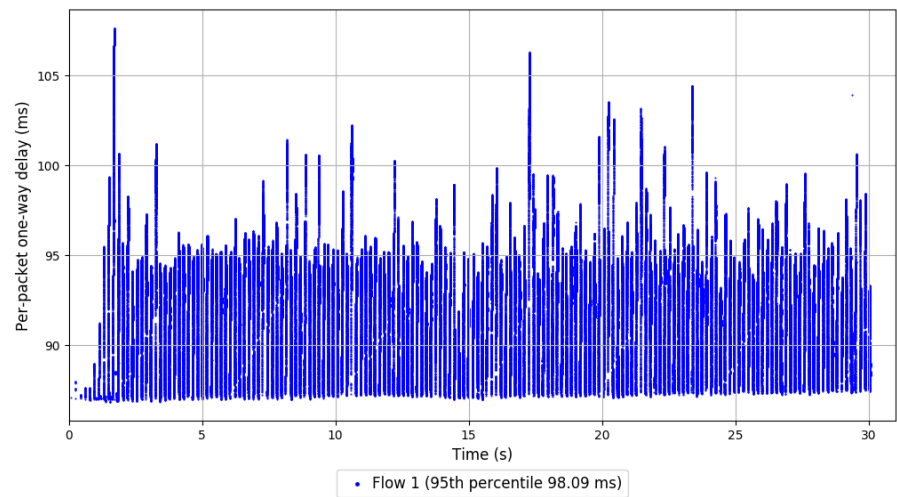
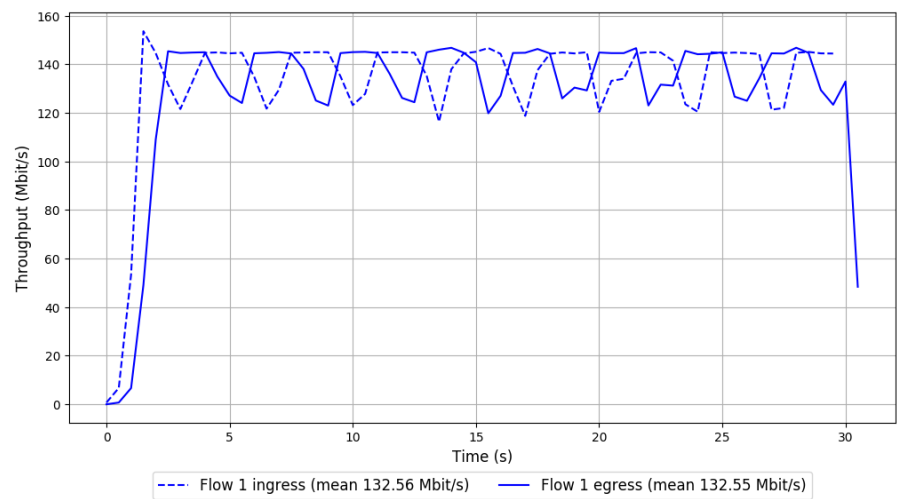


Run 4: Statistics of TCP Vegas

Start at: 2018-06-05 04:15:37  
End at: 2018-06-05 04:16:07  
Local clock offset: 43.658 ms  
Remote clock offset: -0.219 ms

# Below is generated by plot.py at 2018-06-05 07:58:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 132.55 Mbit/s  
95th percentile per-packet one-way delay: 98.091 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 132.55 Mbit/s  
95th percentile per-packet one-way delay: 98.091 ms  
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



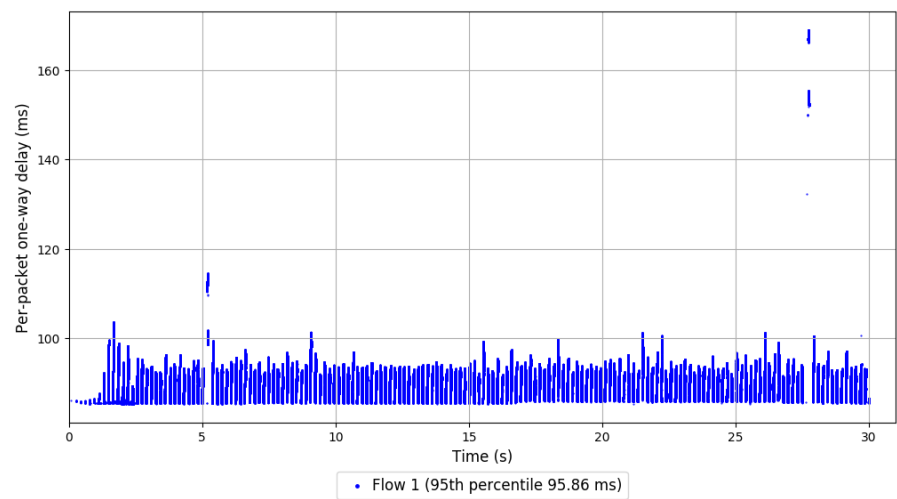
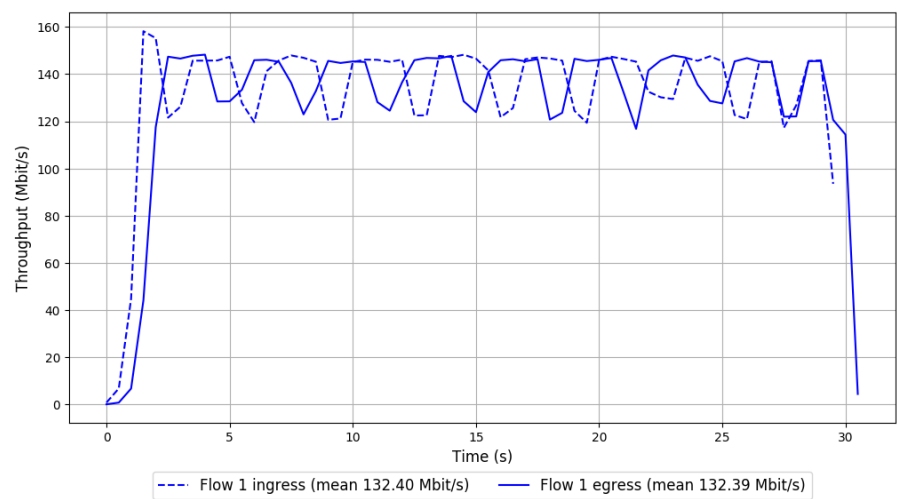
Run 5: Statistics of TCP Vegas

Start at: 2018-06-05 04:36:35  
End at: 2018-06-05 04:37:05  
Local clock offset: 25.438 ms  
Remote clock offset: -0.086 ms

# Below is generated by plot.py at 2018-06-05 07:58:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 132.39 Mbit/s  
95th percentile per-packet one-way delay: 95.864 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 132.39 Mbit/s  
95th percentile per-packet one-way delay: 95.864 ms  
Loss rate: 0.00%



Run 5: Report of TCP Vegas — Data Link

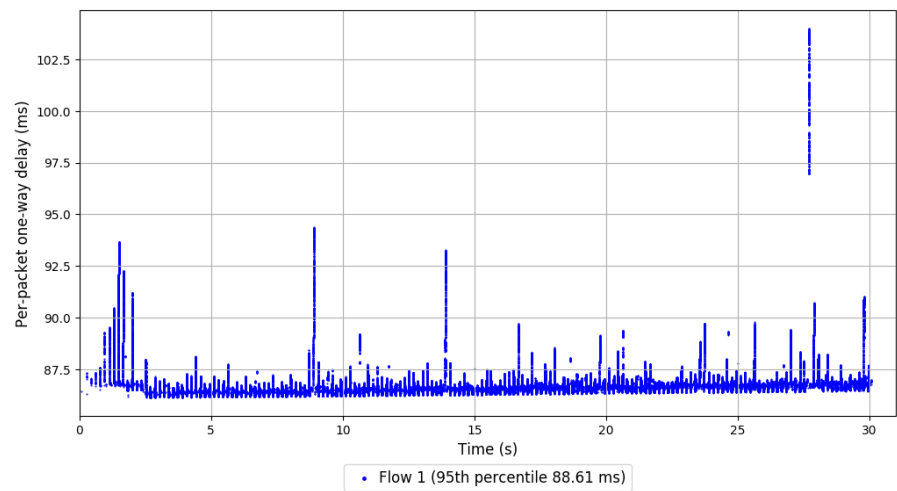
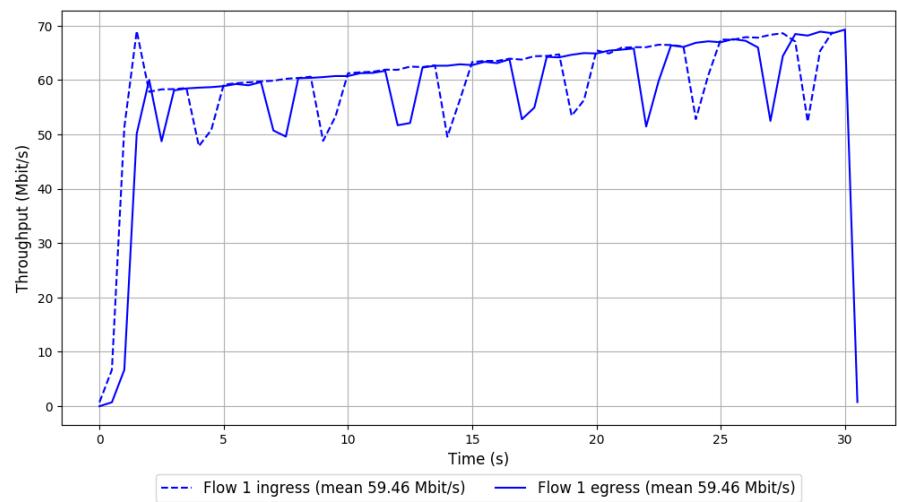


Run 6: Statistics of TCP Vegas

Start at: 2018-06-05 04:57:29  
End at: 2018-06-05 04:57:59  
Local clock offset: 28.573 ms  
Remote clock offset: -0.124 ms

# Below is generated by plot.py at 2018-06-05 07:58:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 59.46 Mbit/s  
95th percentile per-packet one-way delay: 88.606 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 59.46 Mbit/s  
95th percentile per-packet one-way delay: 88.606 ms  
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

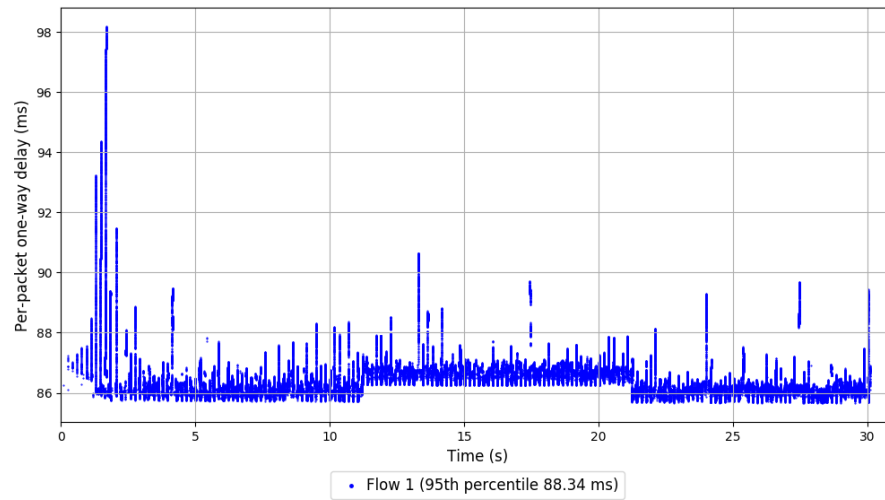
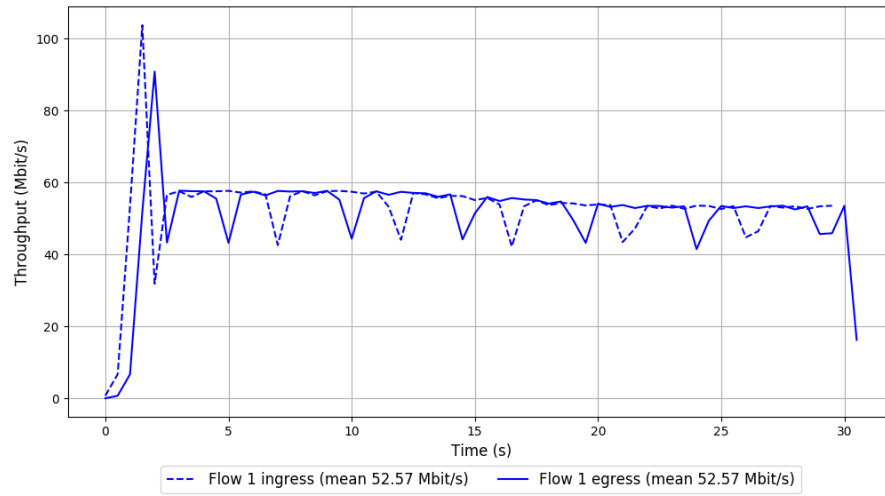


Run 7: Statistics of TCP Vegas

Start at: 2018-06-05 05:18:20  
End at: 2018-06-05 05:18:50  
Local clock offset: 6.845 ms  
Remote clock offset: -0.116 ms

# Below is generated by plot.py at 2018-06-05 07:58:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 52.57 Mbit/s  
95th percentile per-packet one-way delay: 88.340 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 52.57 Mbit/s  
95th percentile per-packet one-way delay: 88.340 ms  
Loss rate: 0.00%

### Run 7: Report of TCP Vegas — Data Link

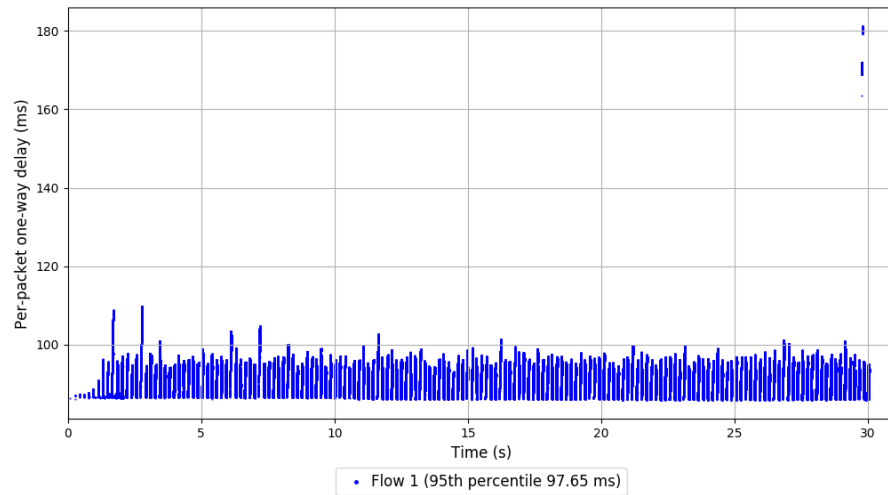
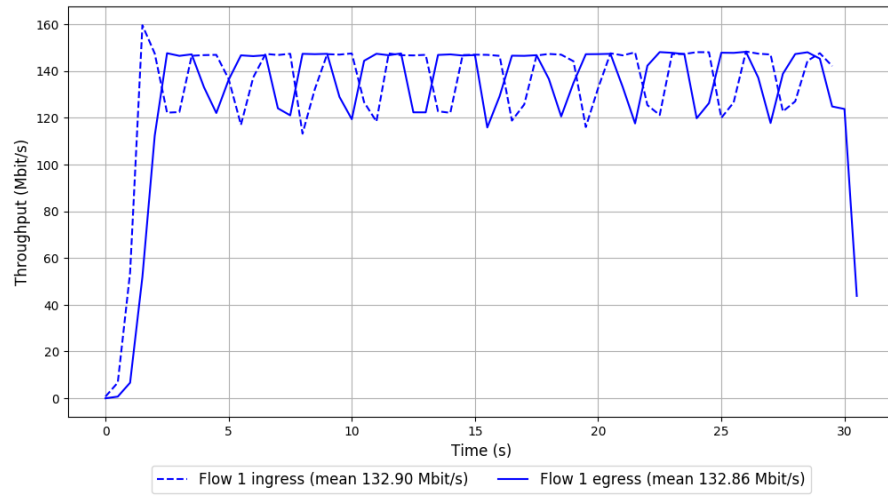


Run 8: Statistics of TCP Vegas

Start at: 2018-06-05 05:39:21  
End at: 2018-06-05 05:39:51  
Local clock offset: 3.924 ms  
Remote clock offset: -0.073 ms

# Below is generated by plot.py at 2018-06-05 07:58:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 132.86 Mbit/s  
95th percentile per-packet one-way delay: 97.649 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 132.86 Mbit/s  
95th percentile per-packet one-way delay: 97.649 ms  
Loss rate: 0.00%

### Run 8: Report of TCP Vegas — Data Link



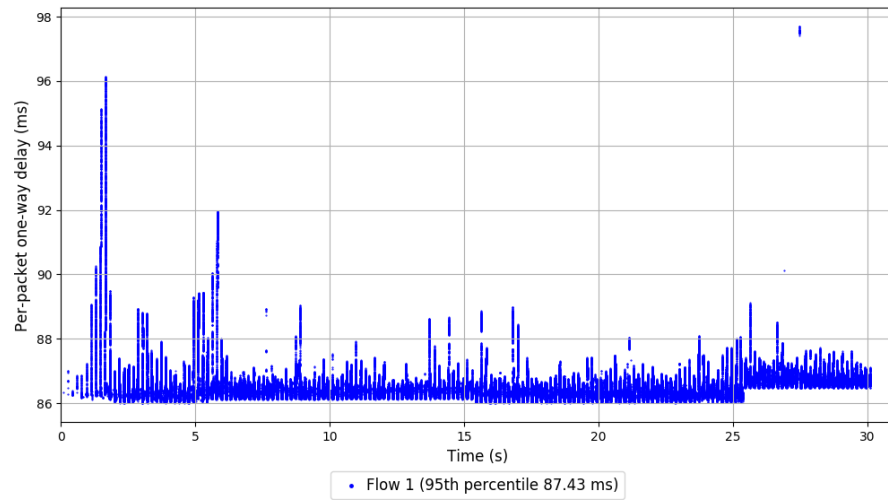
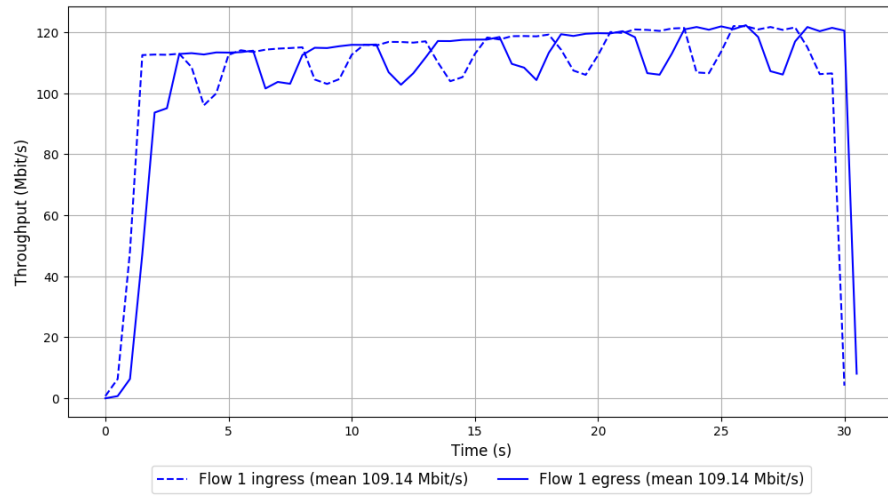
Run 9: Statistics of TCP Vegas

Start at: 2018-06-05 06:00:26  
End at: 2018-06-05 06:00:56  
Local clock offset: 2.445 ms  
Remote clock offset: -0.073 ms

# Below is generated by plot.py at 2018-06-05 07:58:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 109.14 Mbit/s  
95th percentile per-packet one-way delay: 87.433 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 109.14 Mbit/s  
95th percentile per-packet one-way delay: 87.433 ms  
Loss rate: 0.00%



### Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-06-05 06:21:18

End at: 2018-06-05 06:21:48

Local clock offset: 1.122 ms

Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2018-06-05 07:58:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 133.13 Mbit/s

95th percentile per-packet one-way delay: 95.284 ms

Loss rate: 0.09%

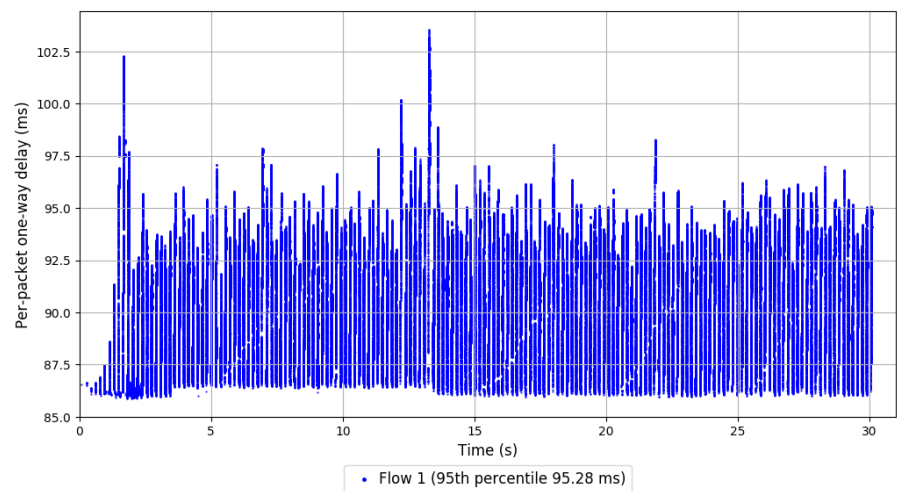
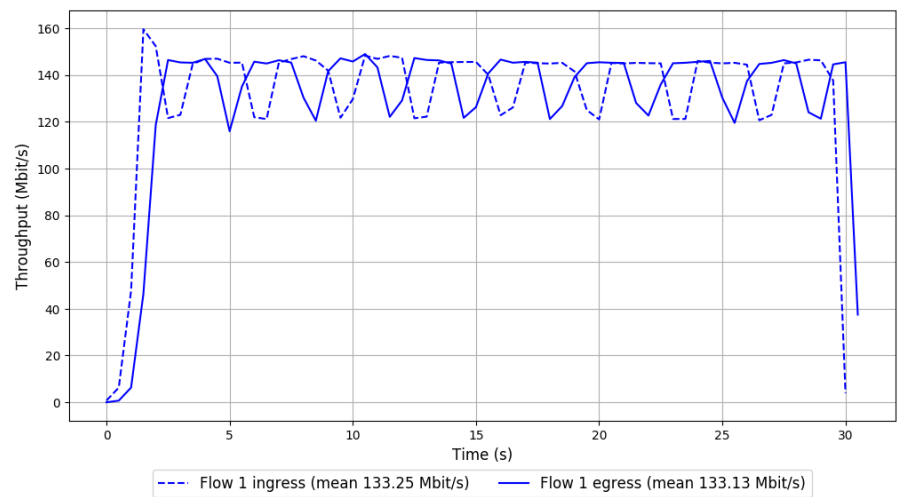
-- Flow 1:

Average throughput: 133.13 Mbit/s

95th percentile per-packet one-way delay: 95.284 ms

Loss rate: 0.09%

Run 10: Report of TCP Vegas — Data Link

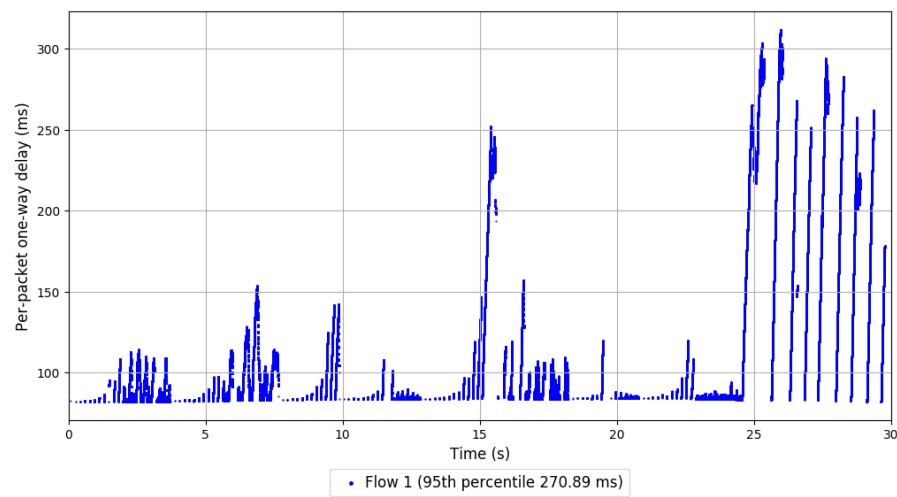
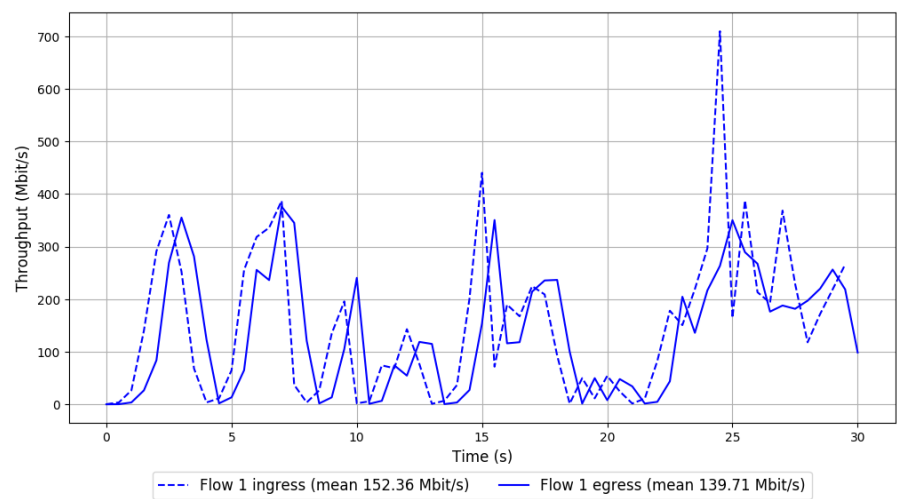


Run 1: Statistics of Verus

Start at: 2018-06-05 03:24:55  
End at: 2018-06-05 03:25:25  
Local clock offset: 56.057 ms  
Remote clock offset: -0.091 ms

# Below is generated by plot.py at 2018-06-05 07:58:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 139.71 Mbit/s  
95th percentile per-packet one-way delay: 270.889 ms  
Loss rate: 8.30%  
-- Flow 1:  
Average throughput: 139.71 Mbit/s  
95th percentile per-packet one-way delay: 270.889 ms  
Loss rate: 8.30%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-06-05 03:45:30

End at: 2018-06-05 03:46:00

Local clock offset: 33.83 ms

Remote clock offset: 0.136 ms

# Below is generated by plot.py at 2018-06-05 07:58:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 181.88 Mbit/s

95th percentile per-packet one-way delay: 144.067 ms

Loss rate: 0.97%

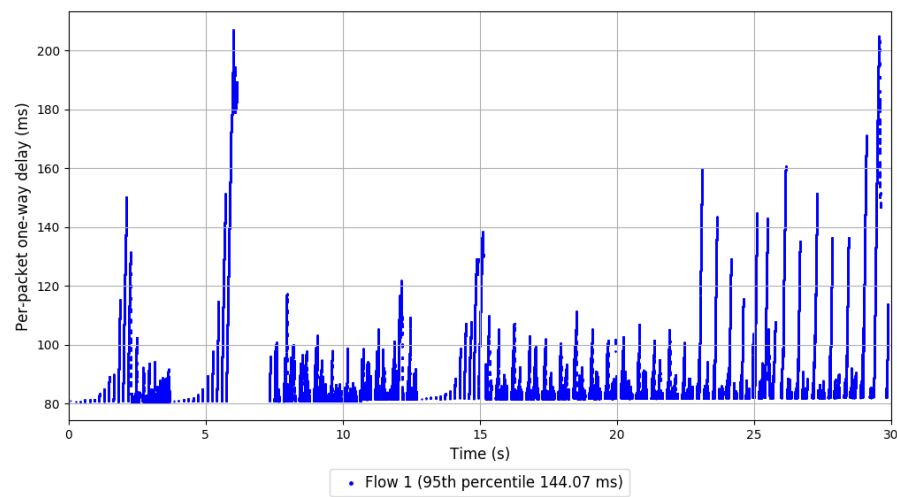
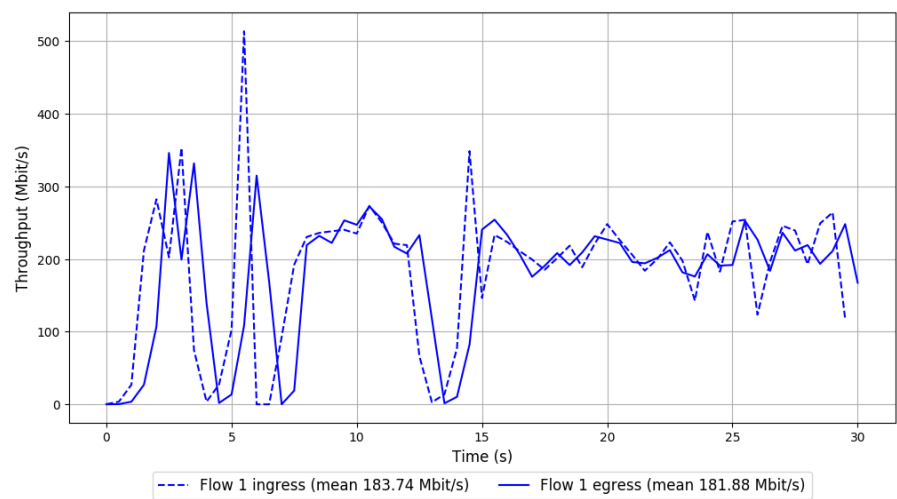
-- Flow 1:

Average throughput: 181.88 Mbit/s

95th percentile per-packet one-way delay: 144.067 ms

Loss rate: 0.97%

Run 2: Report of Verus — Data Link



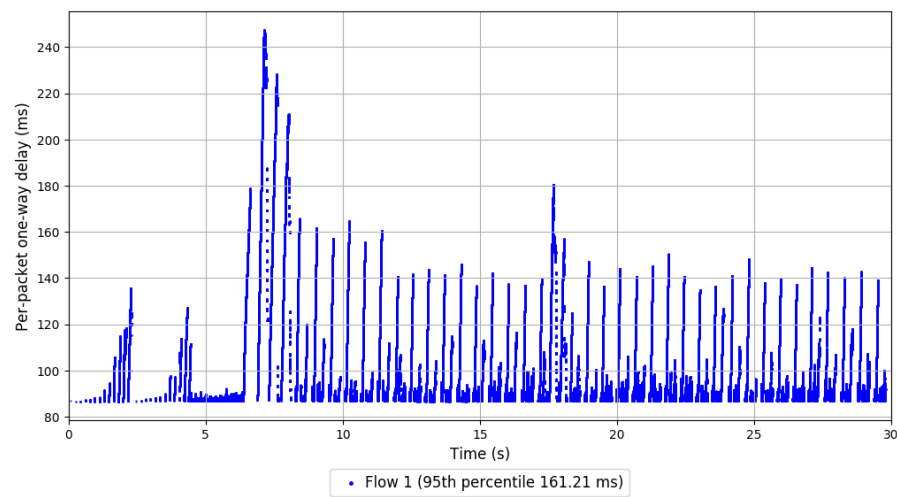
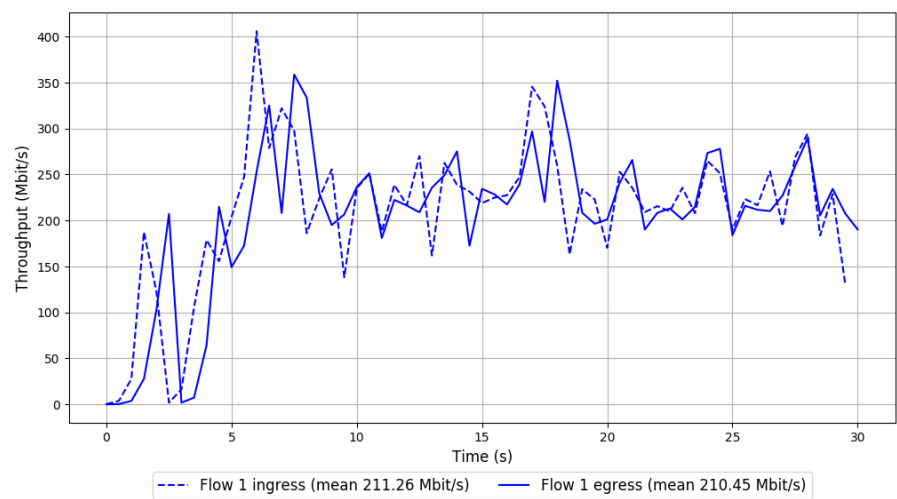
Run 3: Statistics of Verus

Start at: 2018-06-05 04:06:18  
End at: 2018-06-05 04:06:48  
Local clock offset: 32.416 ms  
Remote clock offset: -0.143 ms

# Below is generated by plot.py at 2018-06-05 07:59:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 210.45 Mbit/s  
95th percentile per-packet one-way delay: 161.206 ms  
Loss rate: 0.36%  
-- Flow 1:  
Average throughput: 210.45 Mbit/s  
95th percentile per-packet one-way delay: 161.206 ms  
Loss rate: 0.36%



Run 3: Report of Verus — Data Link

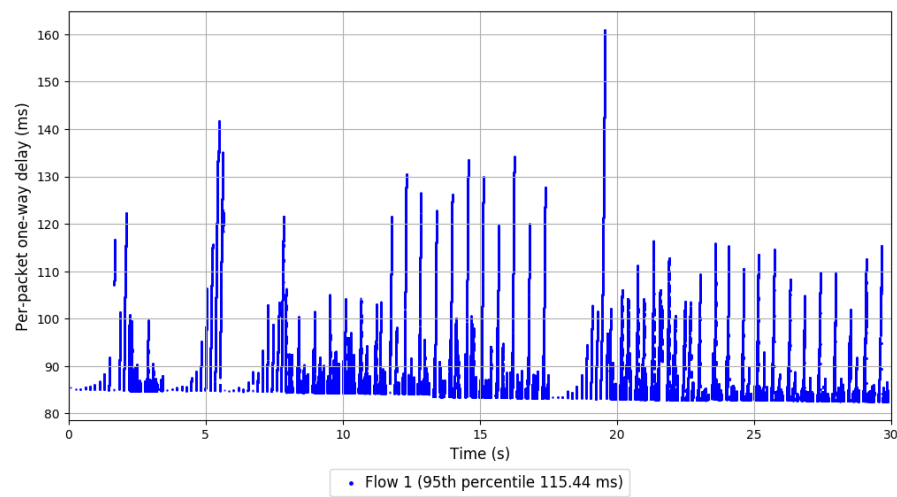
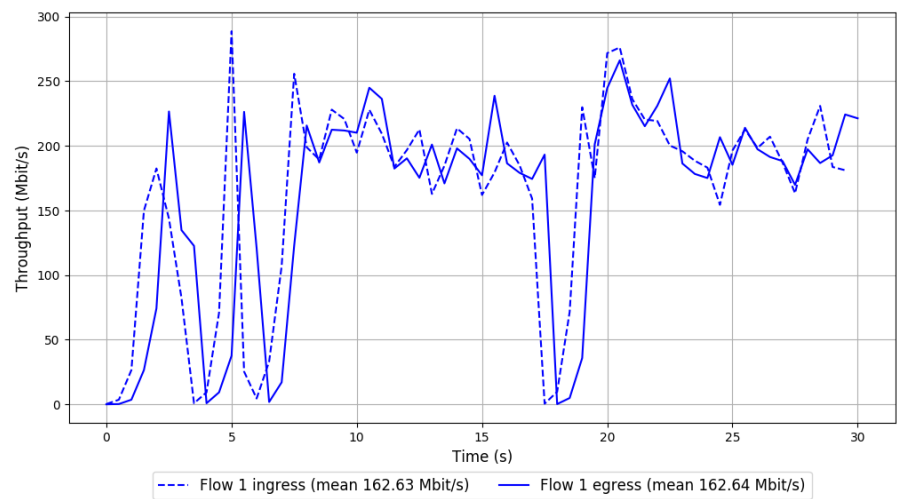


Run 4: Statistics of Verus

Start at: 2018-06-05 04:27:08  
End at: 2018-06-05 04:27:38  
Local clock offset: 49.225 ms  
Remote clock offset: -0.084 ms

# Below is generated by plot.py at 2018-06-05 07:59:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 162.64 Mbit/s  
95th percentile per-packet one-way delay: 115.443 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 162.64 Mbit/s  
95th percentile per-packet one-way delay: 115.443 ms  
Loss rate: 0.00%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-06-05 04:48:00

End at: 2018-06-05 04:48:30

Local clock offset: 27.275 ms

Remote clock offset: -0.09 ms

# Below is generated by plot.py at 2018-06-05 08:00:20

# Datalink statistics

-- Total of 1 flow:

Average throughput: 188.23 Mbit/s

95th percentile per-packet one-way delay: 134.735 ms

Loss rate: 0.50%

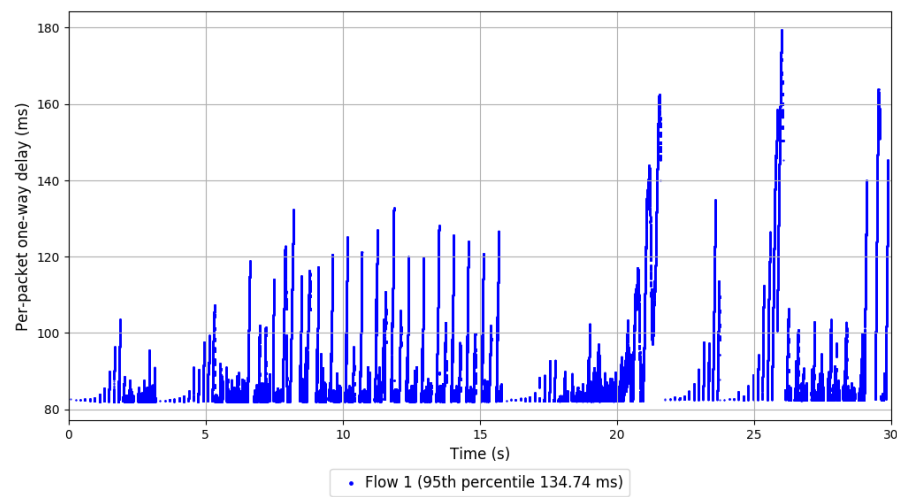
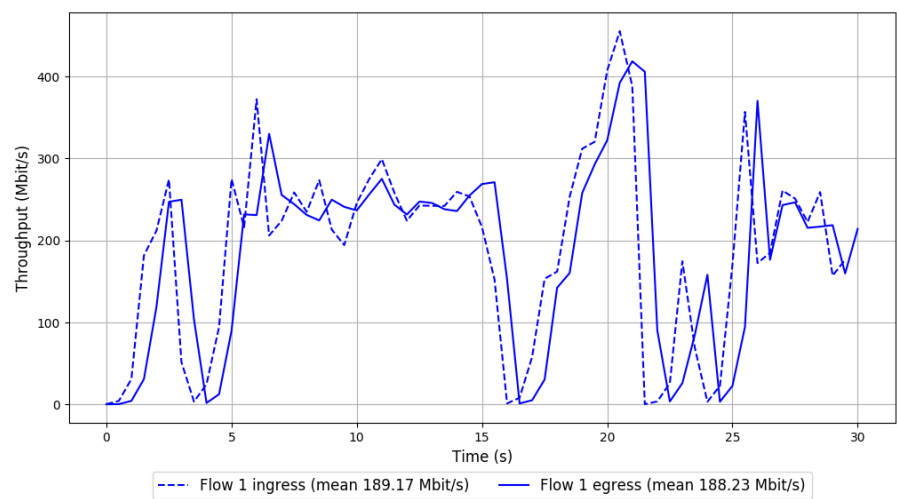
-- Flow 1:

Average throughput: 188.23 Mbit/s

95th percentile per-packet one-way delay: 134.735 ms

Loss rate: 0.50%

Run 5: Report of Verus — Data Link

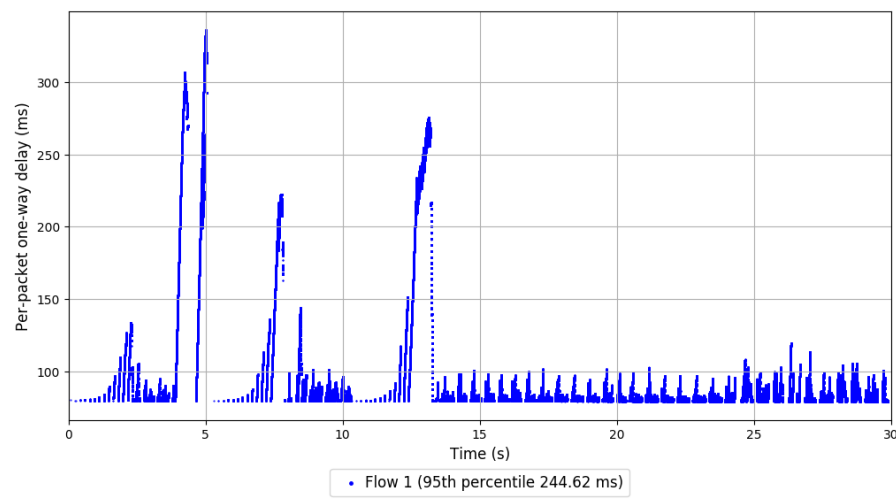
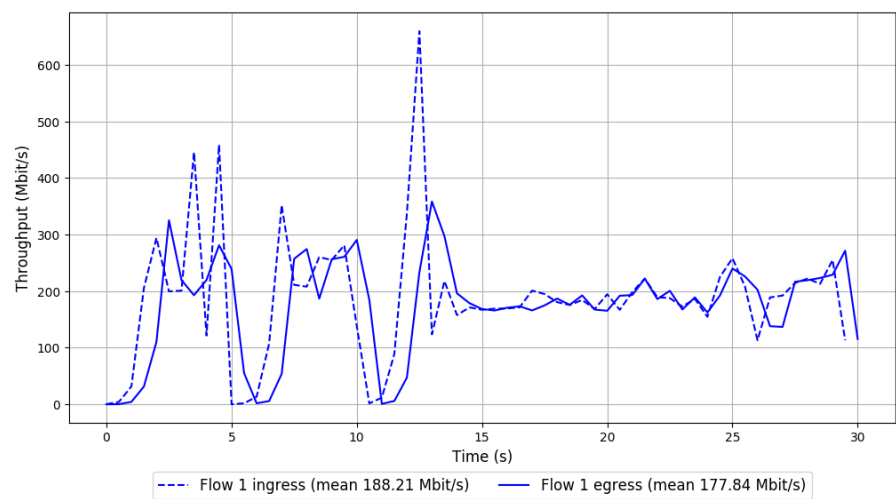


Run 6: Statistics of Verus

Start at: 2018-06-05 05:08:52  
End at: 2018-06-05 05:09:22  
Local clock offset: 17.95 ms  
Remote clock offset: -0.096 ms

# Below is generated by plot.py at 2018-06-05 08:00:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 177.84 Mbit/s  
95th percentile per-packet one-way delay: 244.623 ms  
Loss rate: 5.51%  
-- Flow 1:  
Average throughput: 177.84 Mbit/s  
95th percentile per-packet one-way delay: 244.623 ms  
Loss rate: 5.51%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-06-05 05:29:48

End at: 2018-06-05 05:30:18

Local clock offset: 6.141 ms

Remote clock offset: -0.1 ms

# Below is generated by plot.py at 2018-06-05 08:01:24

# Datalink statistics

-- Total of 1 flow:

Average throughput: 210.16 Mbit/s

95th percentile per-packet one-way delay: 174.966 ms

Loss rate: 0.59%

-- Flow 1:

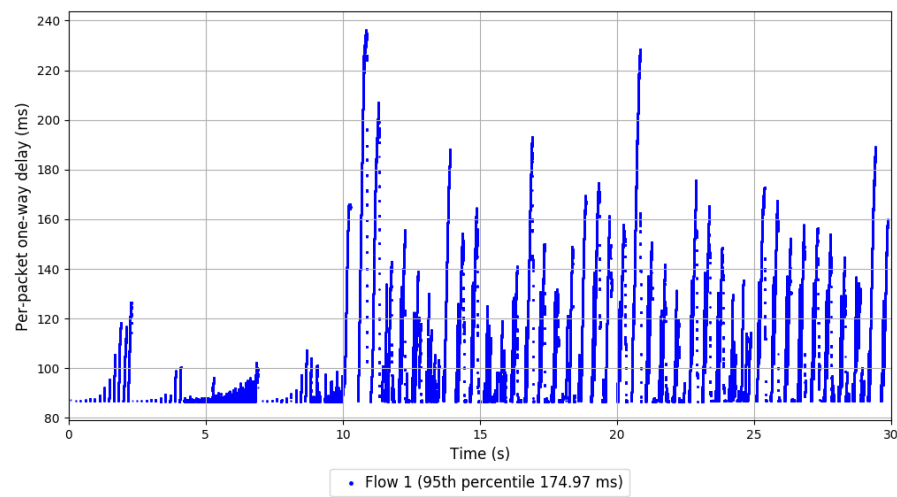
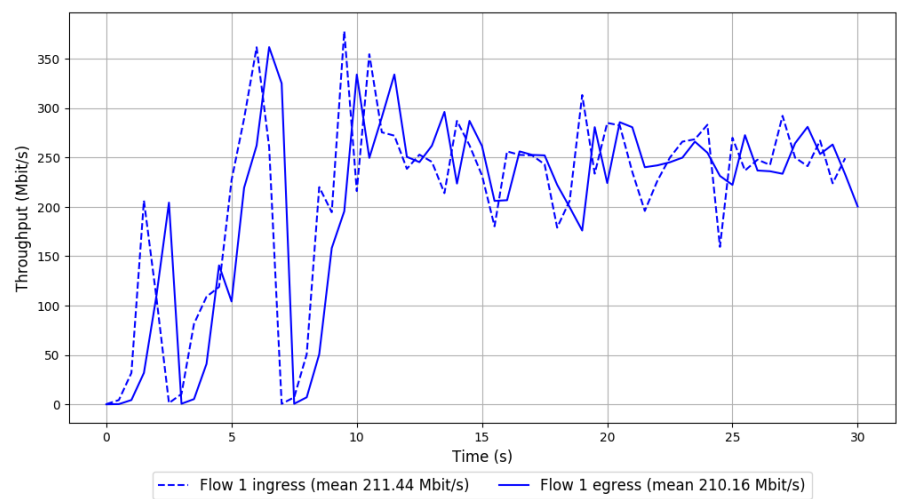
Average throughput: 210.16 Mbit/s

95th percentile per-packet one-way delay: 174.966 ms

Loss rate: 0.59%



Run 7: Report of Verus — Data Link

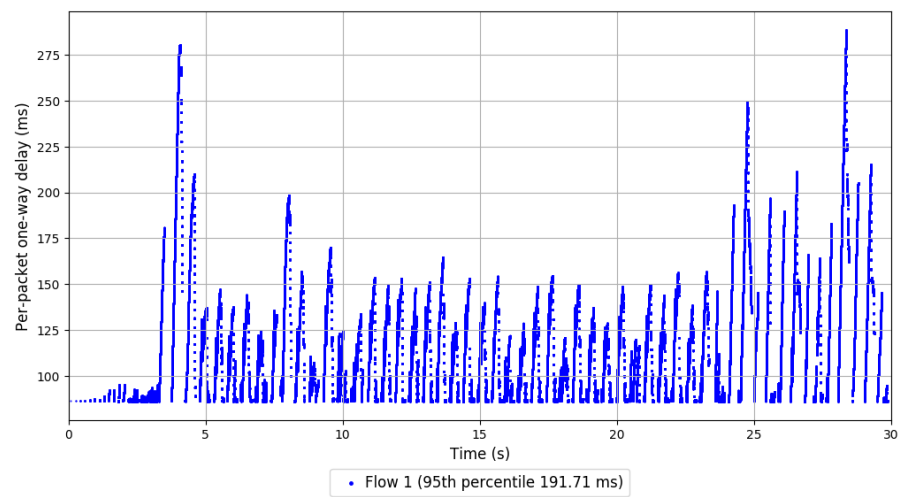
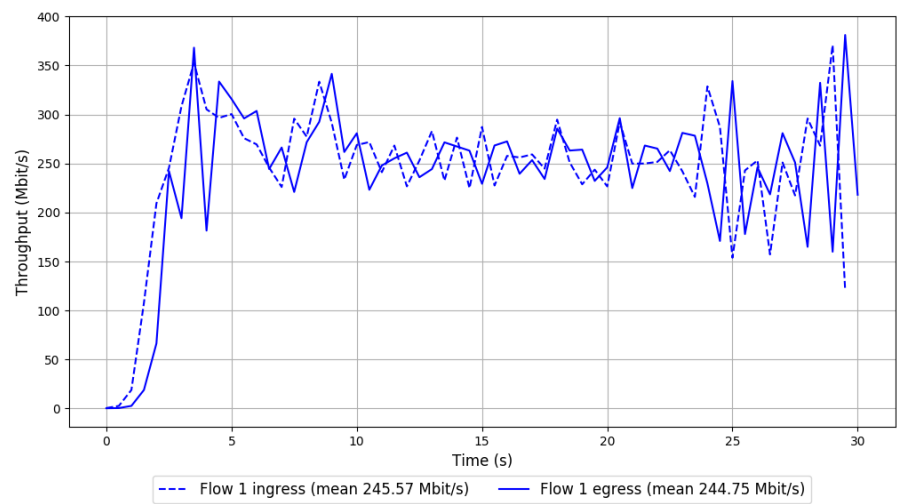


Run 8: Statistics of Verus

Start at: 2018-06-05 05:50:49  
End at: 2018-06-05 05:51:19  
Local clock offset: 2.353 ms  
Remote clock offset: -0.065 ms

# Below is generated by plot.py at 2018-06-05 08:01:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 244.75 Mbit/s  
95th percentile per-packet one-way delay: 191.707 ms  
Loss rate: 0.33%  
-- Flow 1:  
Average throughput: 244.75 Mbit/s  
95th percentile per-packet one-way delay: 191.707 ms  
Loss rate: 0.33%

Run 8: Report of Verus — Data Link

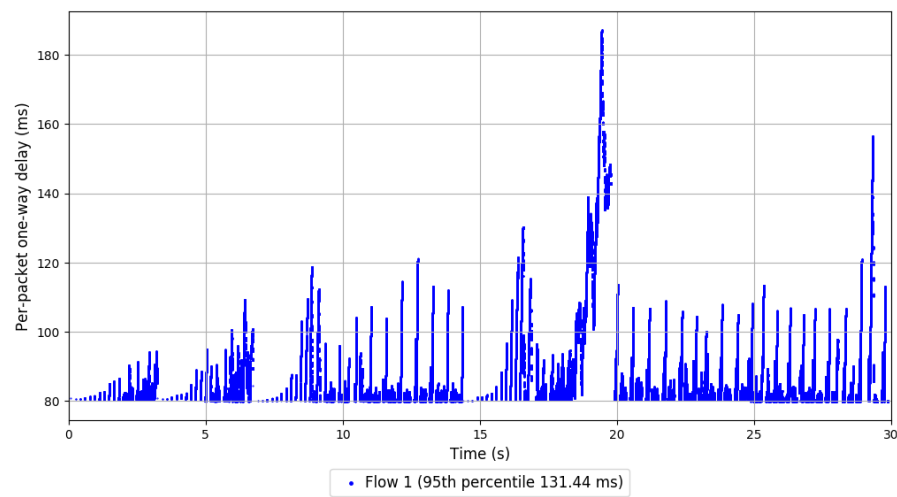
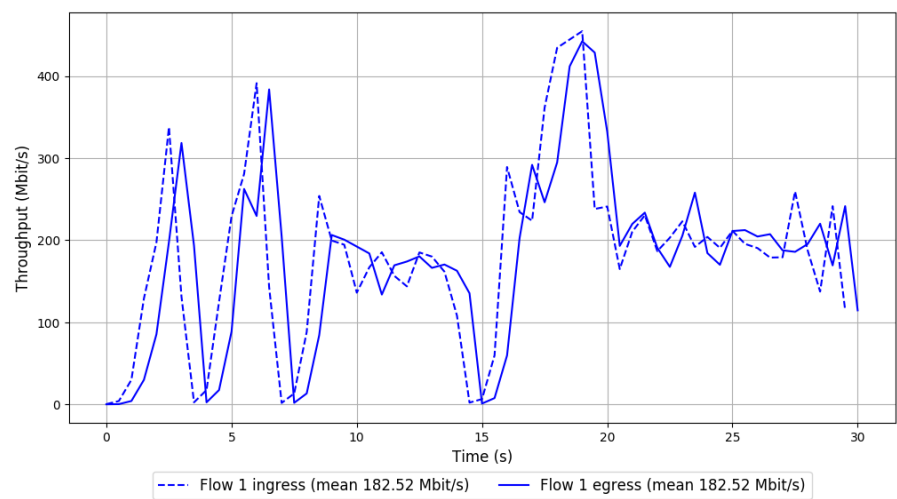


Run 9: Statistics of Verus

Start at: 2018-06-05 06:11:56  
End at: 2018-06-05 06:12:26  
Local clock offset: 8.031 ms  
Remote clock offset: -0.042 ms

# Below is generated by plot.py at 2018-06-05 08:01:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 182.52 Mbit/s  
95th percentile per-packet one-way delay: 131.435 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 182.52 Mbit/s  
95th percentile per-packet one-way delay: 131.435 ms  
Loss rate: 0.00%

Run 9: Report of Verus — Data Link

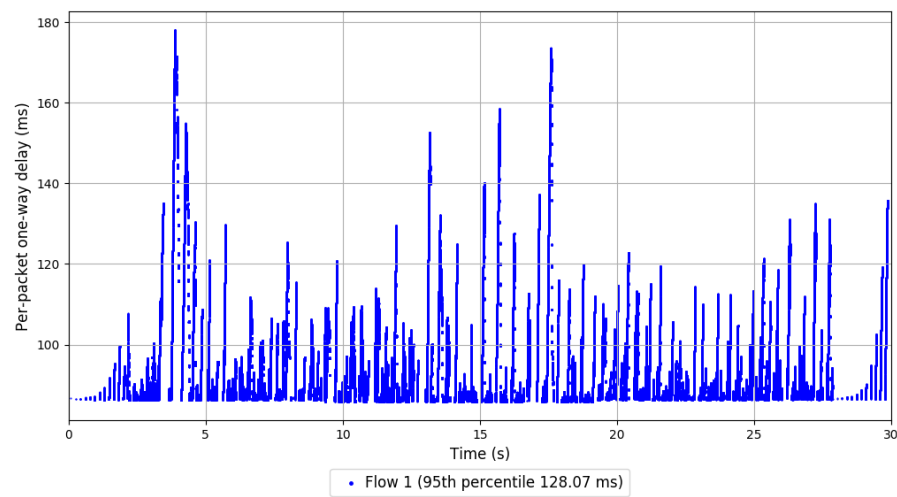
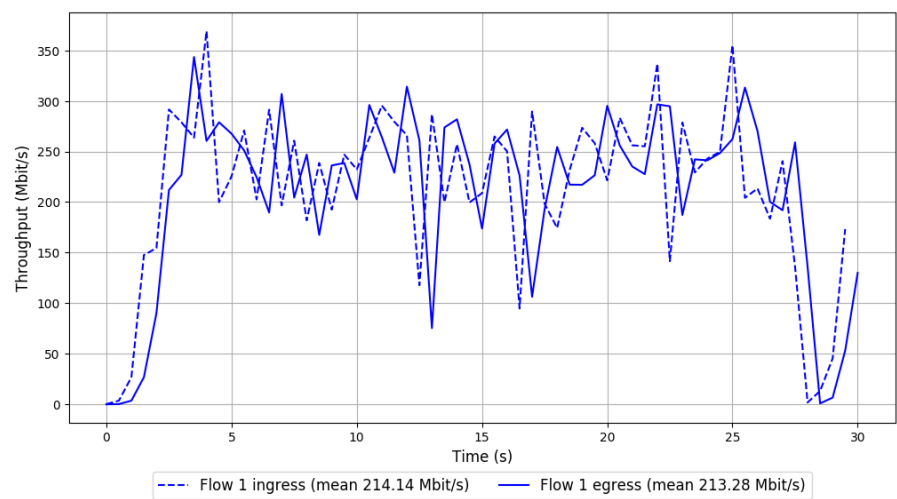


Run 10: Statistics of Verus

Start at: 2018-06-05 06:32:42  
End at: 2018-06-05 06:33:12  
Local clock offset: 1.213 ms  
Remote clock offset: -0.042 ms

# Below is generated by plot.py at 2018-06-05 08:02:01  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 213.28 Mbit/s  
95th percentile per-packet one-way delay: 128.075 ms  
Loss rate: 0.34%  
-- Flow 1:  
Average throughput: 213.28 Mbit/s  
95th percentile per-packet one-way delay: 128.075 ms  
Loss rate: 0.34%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-06-05 03:27:39

End at: 2018-06-05 03:28:09

Local clock offset: 26.998 ms

Remote clock offset: 0.034 ms

# Below is generated by plot.py at 2018-06-05 08:04:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 274.08 Mbit/s

95th percentile per-packet one-way delay: 85.266 ms

Loss rate: 0.00%

-- Flow 1:

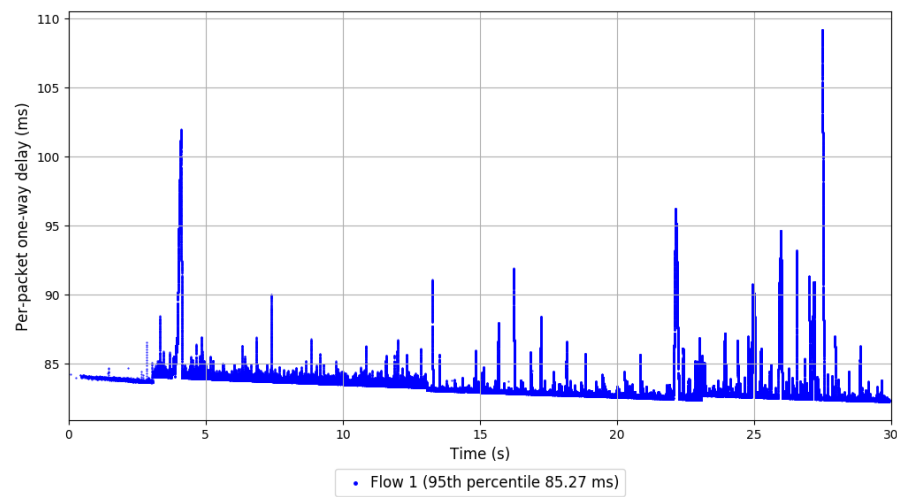
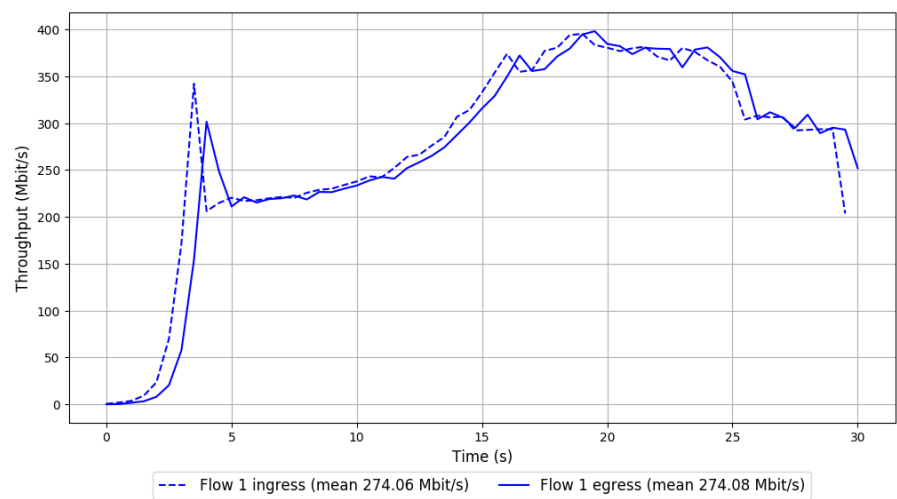
Average throughput: 274.08 Mbit/s

95th percentile per-packet one-way delay: 85.266 ms

Loss rate: 0.00%



Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-06-05 03:48:17

End at: 2018-06-05 03:48:47

Local clock offset: 33.022 ms

Remote clock offset: 0.089 ms

# Below is generated by plot.py at 2018-06-05 08:05:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 345.99 Mbit/s

95th percentile per-packet one-way delay: 96.551 ms

Loss rate: 0.00%

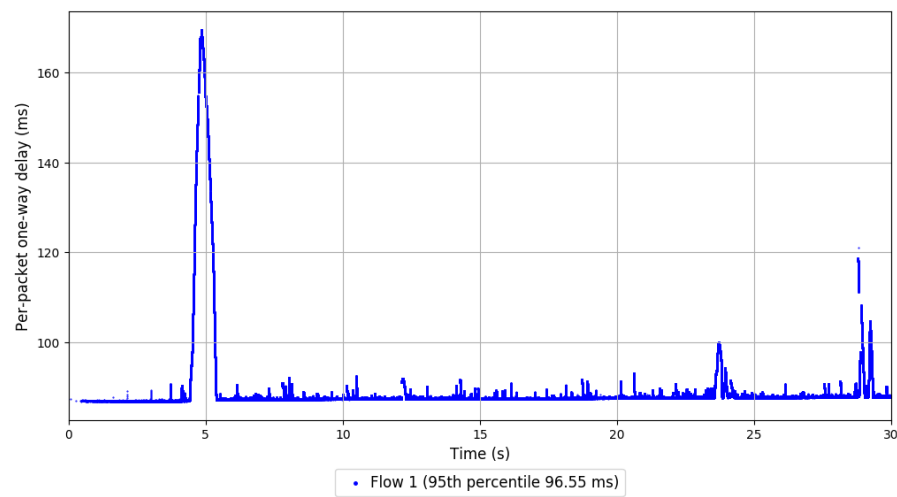
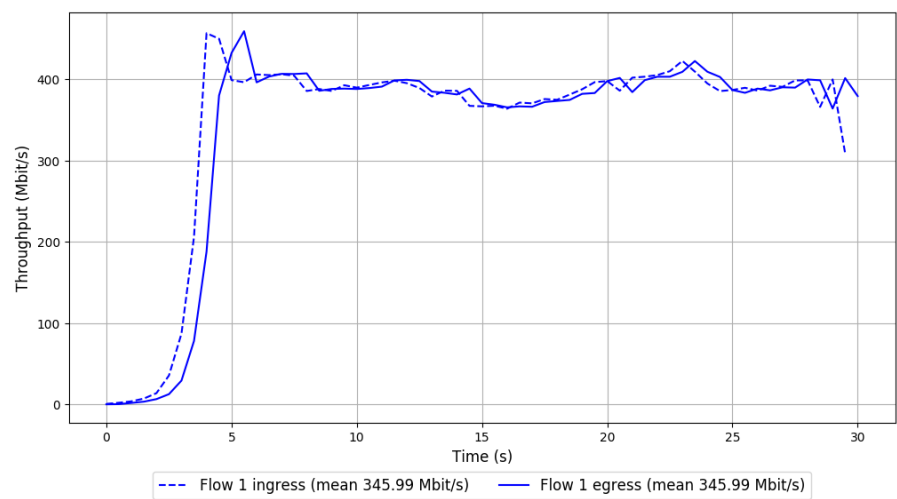
-- Flow 1:

Average throughput: 345.99 Mbit/s

95th percentile per-packet one-way delay: 96.551 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-06-05 04:09:09

End at: 2018-06-05 04:09:39

Local clock offset: 39.704 ms

Remote clock offset: -0.18 ms

# Below is generated by plot.py at 2018-06-05 08:05:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 243.71 Mbit/s

95th percentile per-packet one-way delay: 101.723 ms

Loss rate: 0.36%

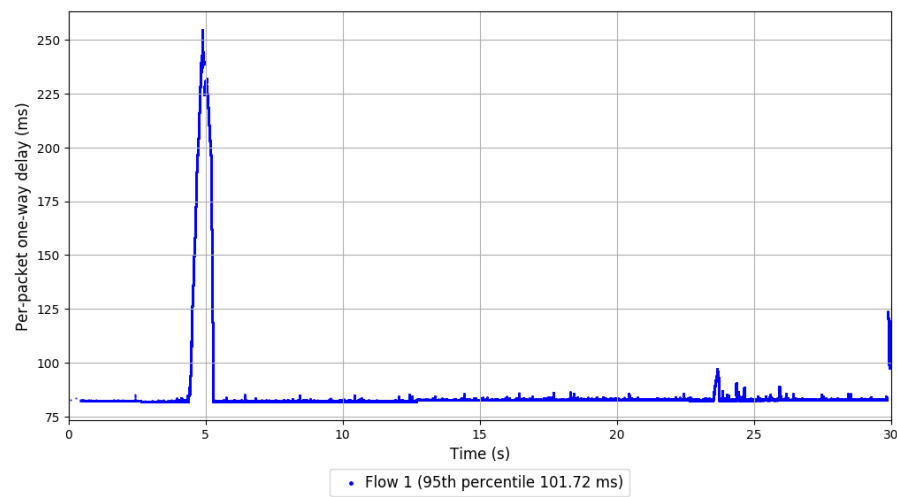
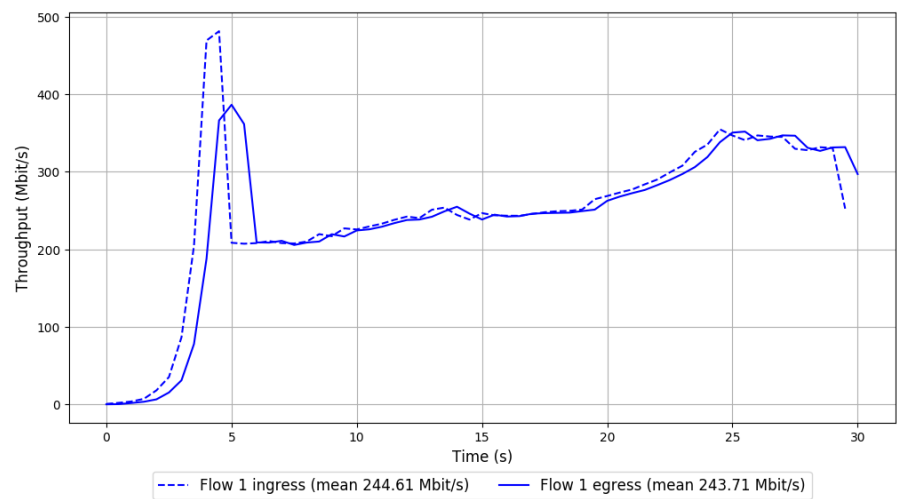
-- Flow 1:

Average throughput: 243.71 Mbit/s

95th percentile per-packet one-way delay: 101.723 ms

Loss rate: 0.36%

Run 3: Report of PCC-Vivace — Data Link

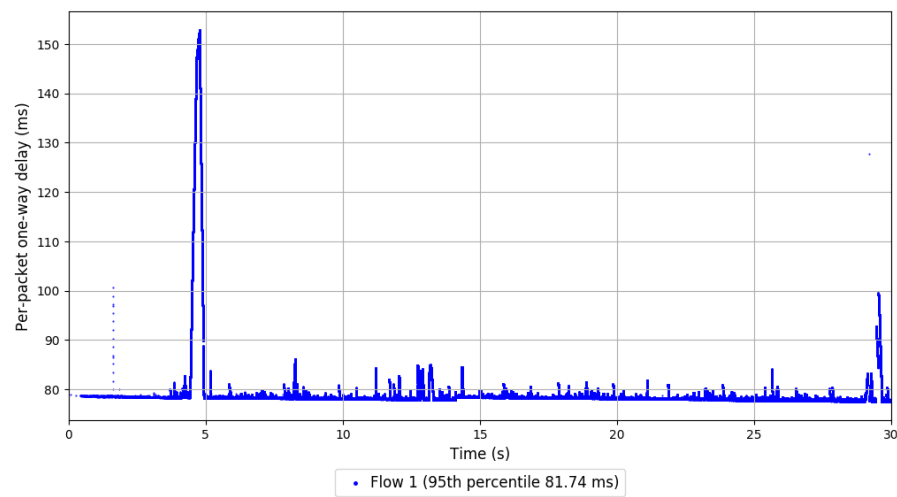
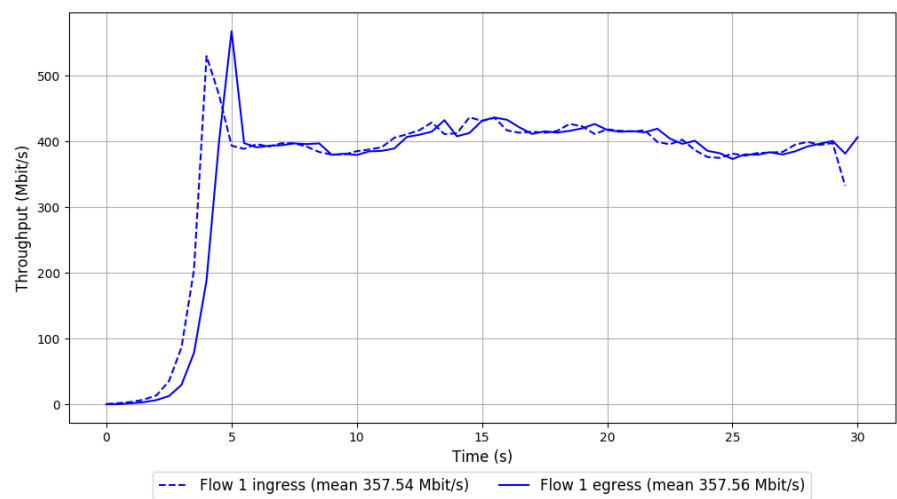


Run 4: Statistics of PCC-Vivace

Start at: 2018-06-05 04:29:58  
End at: 2018-06-05 04:30:28  
Local clock offset: 44.497 ms  
Remote clock offset: -0.114 ms

# Below is generated by plot.py at 2018-06-05 08:07:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 357.56 Mbit/s  
95th percentile per-packet one-way delay: 81.737 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 357.56 Mbit/s  
95th percentile per-packet one-way delay: 81.737 ms  
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-06-05 04:50:54

End at: 2018-06-05 04:51:24

Local clock offset: 24.158 ms

Remote clock offset: -0.106 ms

# Below is generated by plot.py at 2018-06-05 08:07:20

# Datalink statistics

-- Total of 1 flow:

Average throughput: 341.63 Mbit/s

95th percentile per-packet one-way delay: 110.458 ms

Loss rate: 0.07%

-- Flow 1:

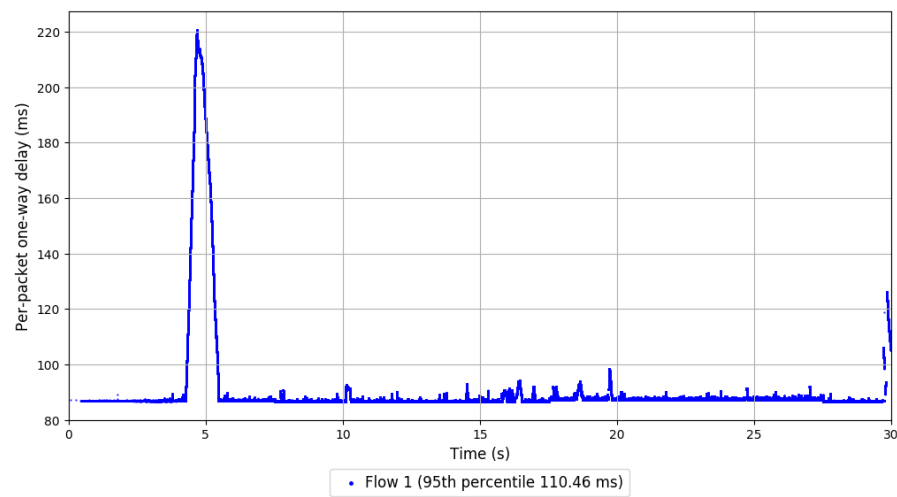
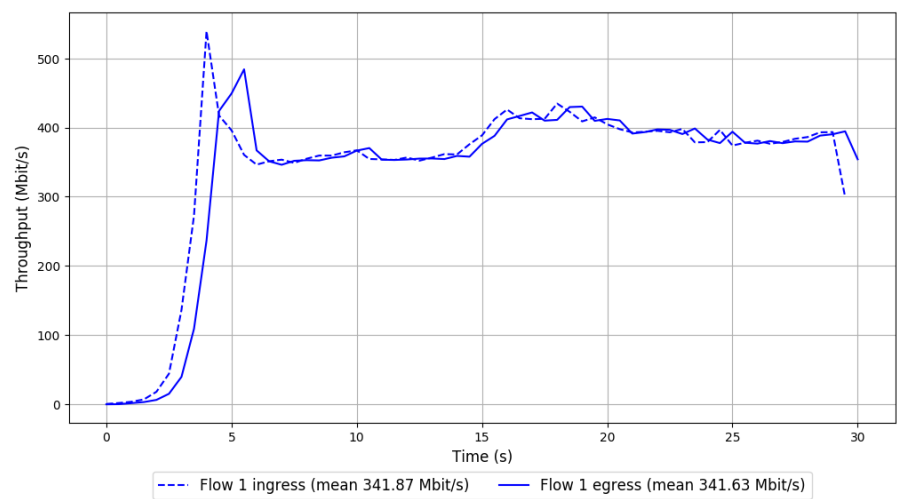
Average throughput: 341.63 Mbit/s

95th percentile per-packet one-way delay: 110.458 ms

Loss rate: 0.07%



Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-06-05 05:11:43

End at: 2018-06-05 05:12:13

Local clock offset: 9.282 ms

Remote clock offset: -0.091 ms

# Below is generated by plot.py at 2018-06-05 08:07:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 360.54 Mbit/s

95th percentile per-packet one-way delay: 180.614 ms

Loss rate: 0.17%

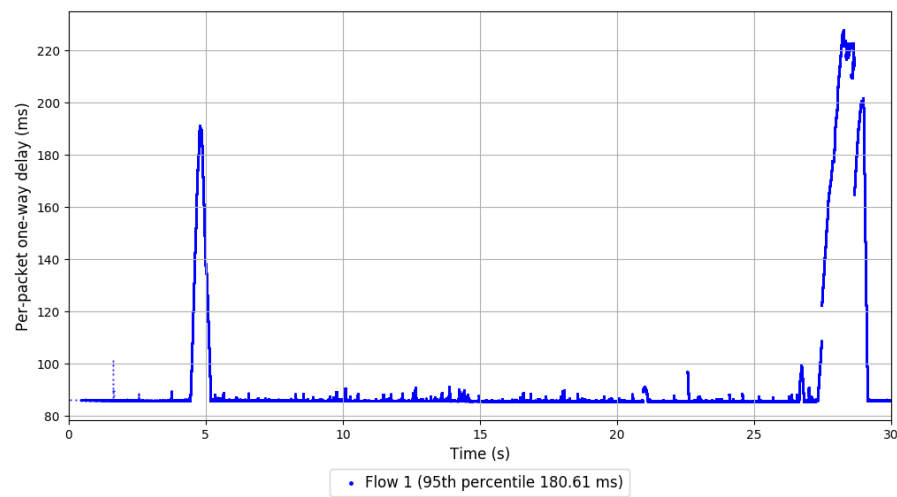
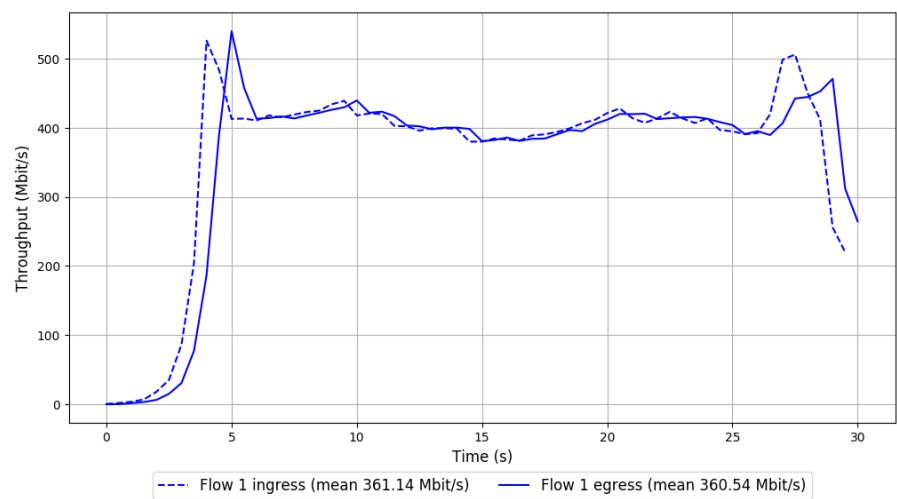
-- Flow 1:

Average throughput: 360.54 Mbit/s

95th percentile per-packet one-way delay: 180.614 ms

Loss rate: 0.17%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-06-05 05:32:38

End at: 2018-06-05 05:33:08

Local clock offset: 7.02 ms

Remote clock offset: -0.106 ms

# Below is generated by plot.py at 2018-06-05 08:07:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 356.91 Mbit/s

95th percentile per-packet one-way delay: 93.647 ms

Loss rate: 0.00%

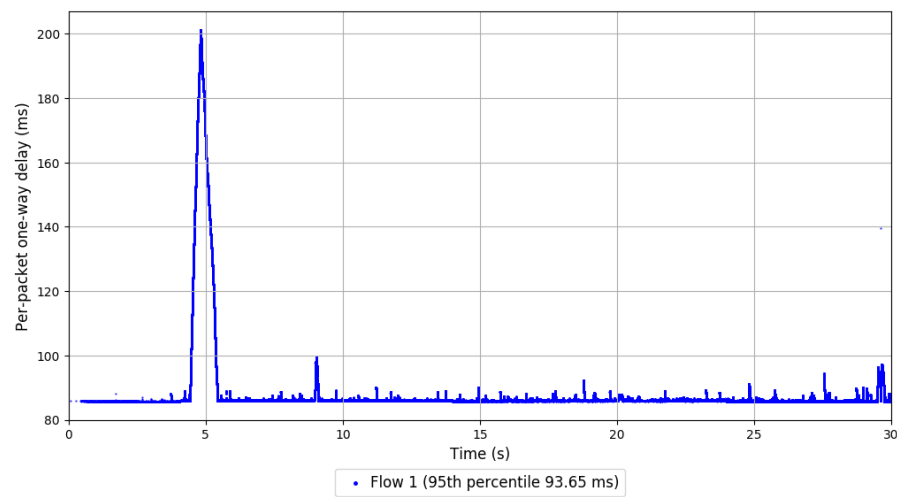
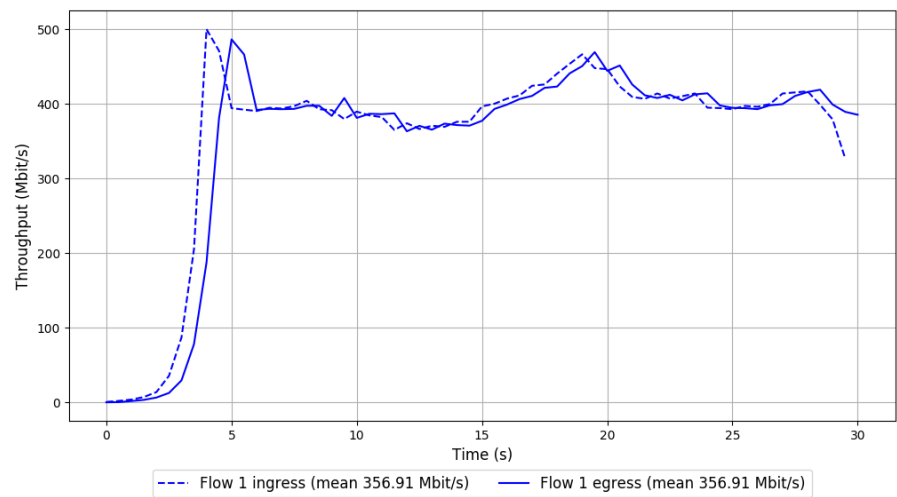
-- Flow 1:

Average throughput: 356.91 Mbit/s

95th percentile per-packet one-way delay: 93.647 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-06-05 05:53:47

End at: 2018-06-05 05:54:17

Local clock offset: 2.066 ms

Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2018-06-05 08:07:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 356.58 Mbit/s

95th percentile per-packet one-way delay: 101.909 ms

Loss rate: 0.00%

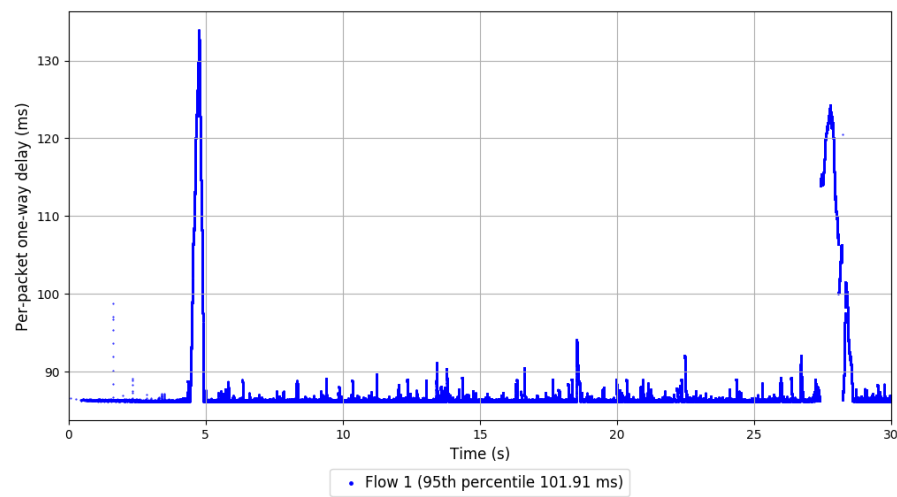
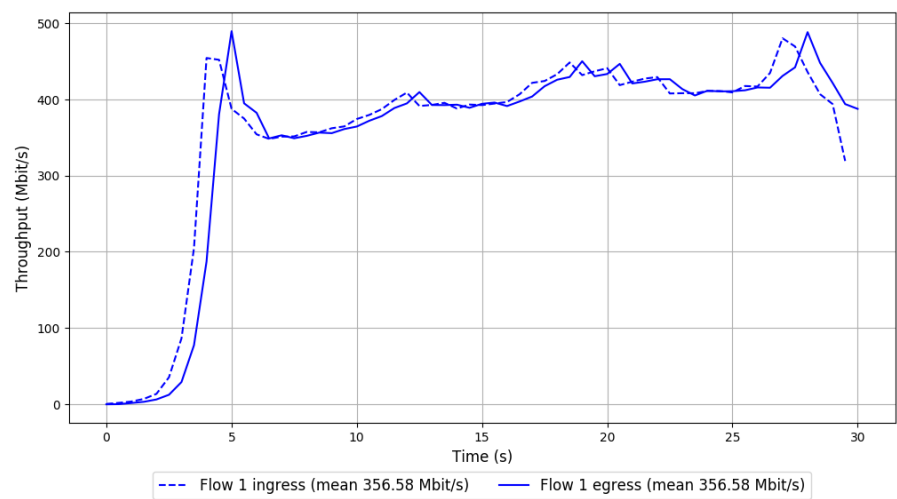
-- Flow 1:

Average throughput: 356.58 Mbit/s

95th percentile per-packet one-way delay: 101.909 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-06-05 06:14:43

End at: 2018-06-05 06:15:13

Local clock offset: 1.708 ms

Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2018-06-05 08:08:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 341.22 Mbit/s

95th percentile per-packet one-way delay: 114.798 ms

Loss rate: 0.50%

-- Flow 1:

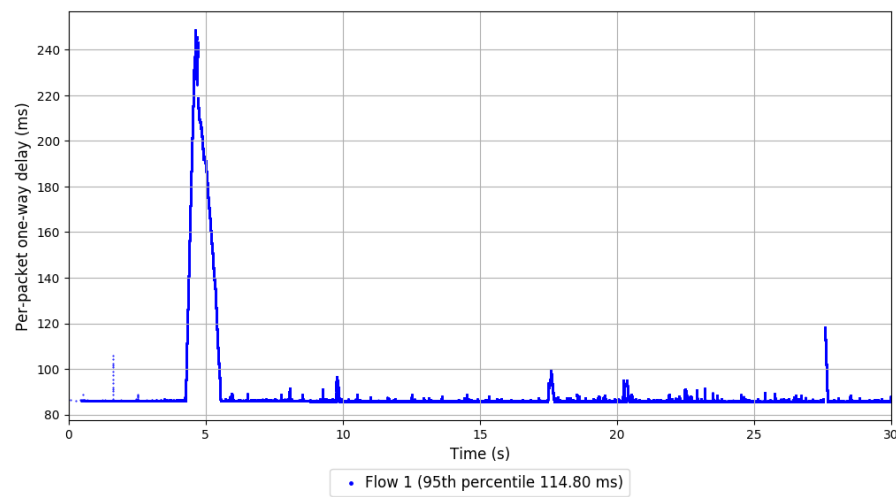
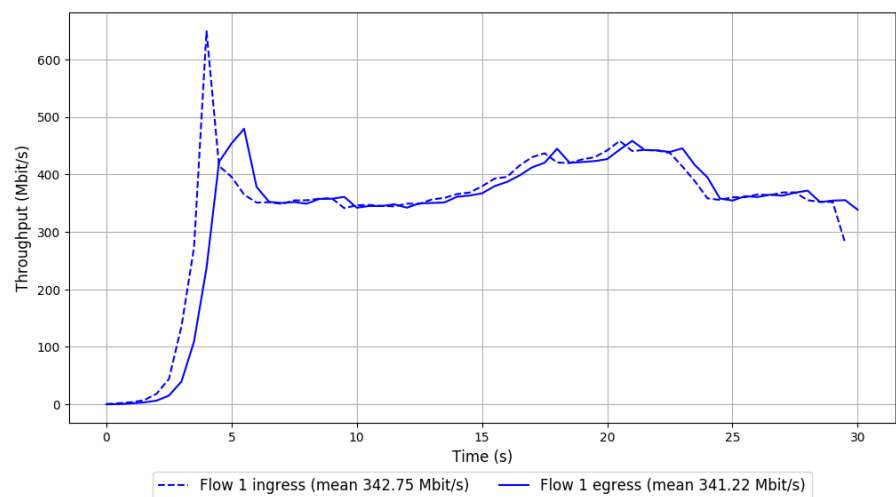
Average throughput: 341.22 Mbit/s

95th percentile per-packet one-way delay: 114.798 ms

Loss rate: 0.50%



Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-06-05 06:35:34

End at: 2018-06-05 06:36:04

Local clock offset: 7.145 ms

Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2018-06-05 08:08:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 347.37 Mbit/s

95th percentile per-packet one-way delay: 122.673 ms

Loss rate: 0.04%

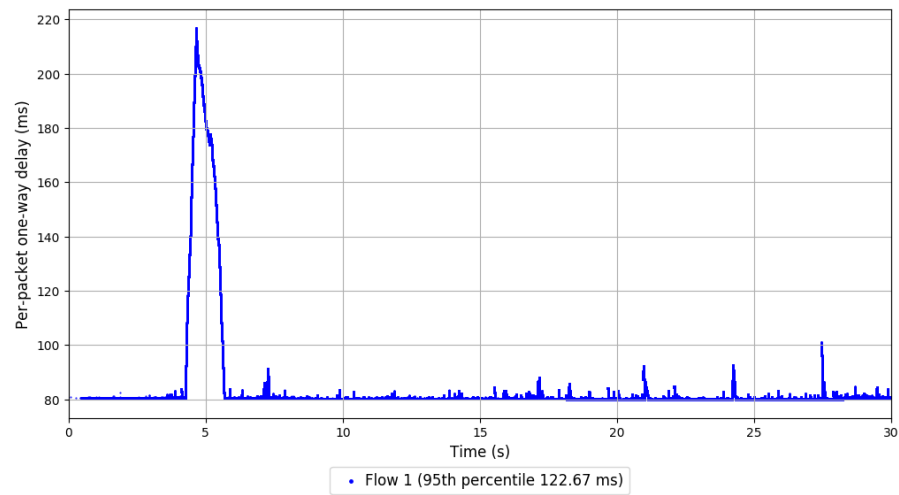
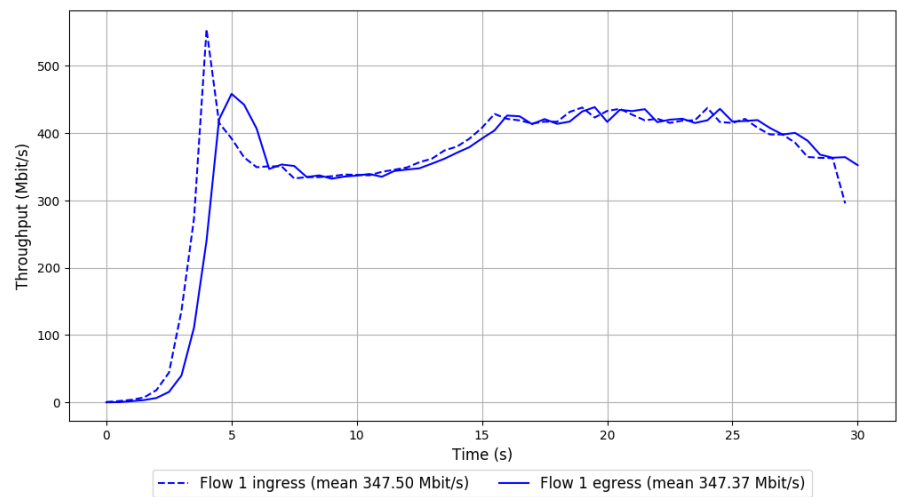
-- Flow 1:

Average throughput: 347.37 Mbit/s

95th percentile per-packet one-way delay: 122.673 ms

Loss rate: 0.04%

Run 10: Report of PCC-Vivace — Data Link

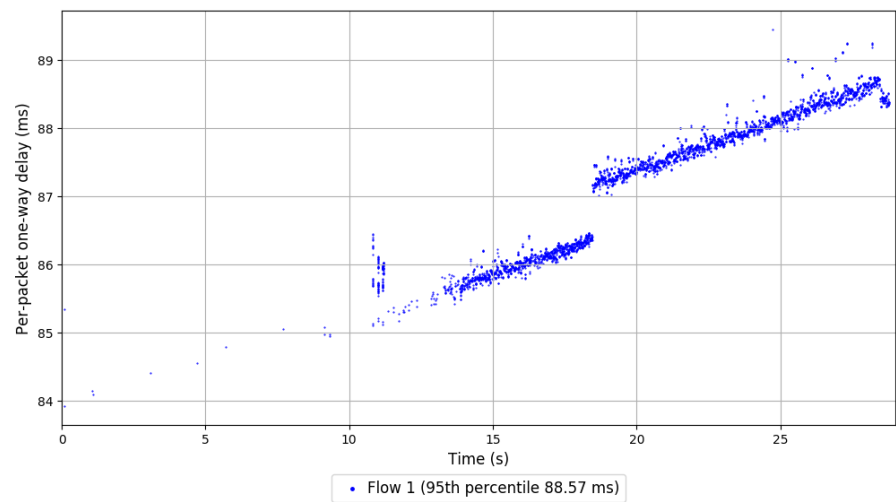
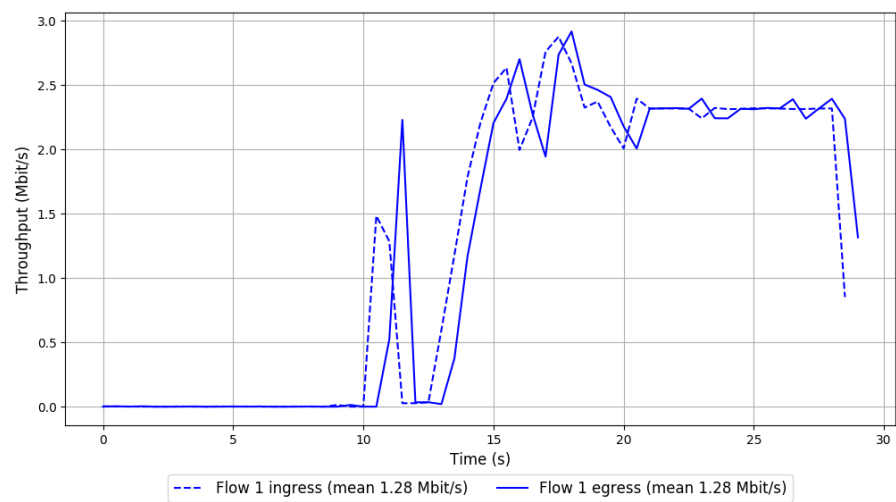


```
Run 1: Statistics of WebRTC media

Start at: 2018-06-05 03:11:22
End at: 2018-06-05 03:11:52
Local clock offset: 16.27 ms
Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2018-06-05 08:08:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 88.572 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 88.572 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-06-05 03:31:52

End at: 2018-06-05 03:32:22

Local clock offset: 21.95 ms

Remote clock offset: 0.127 ms

# Below is generated by plot.py at 2018-06-05 08:08:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 87.907 ms

Loss rate: 0.00%

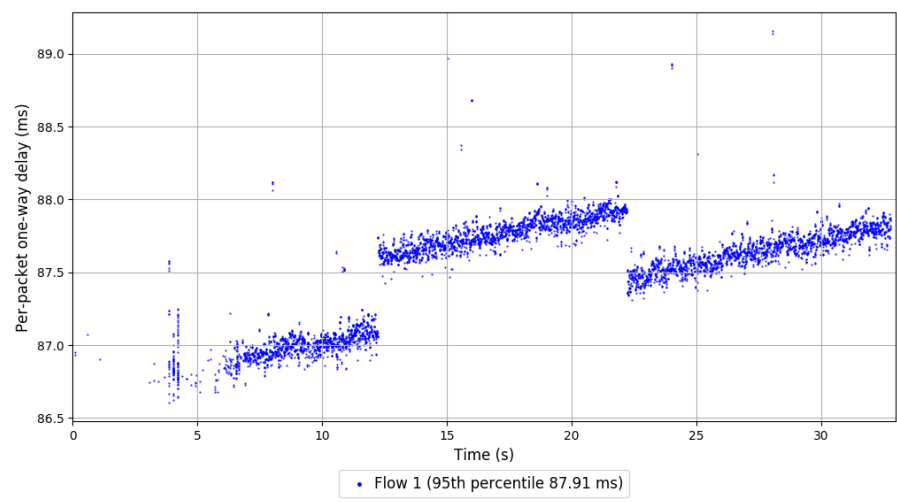
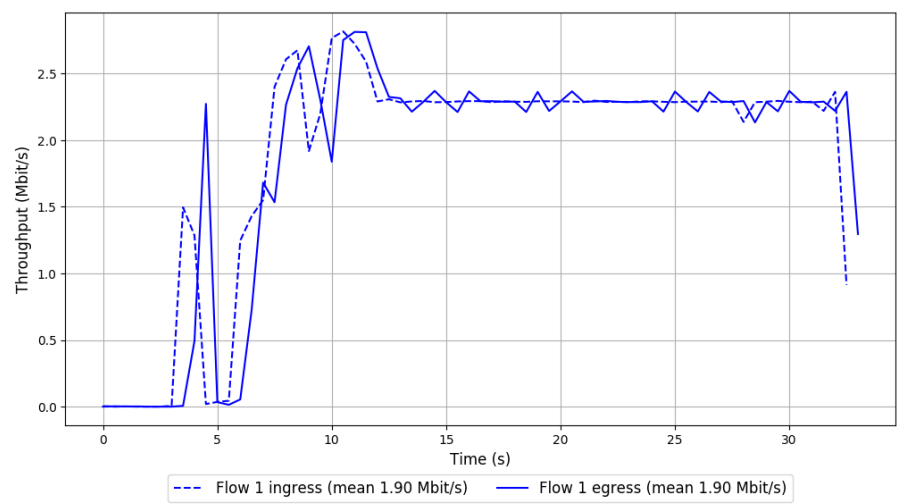
-- Flow 1:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 87.907 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



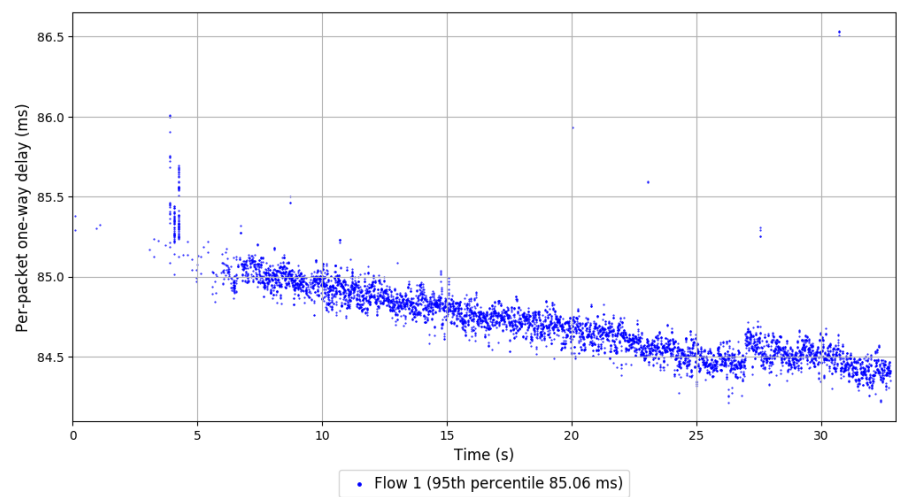
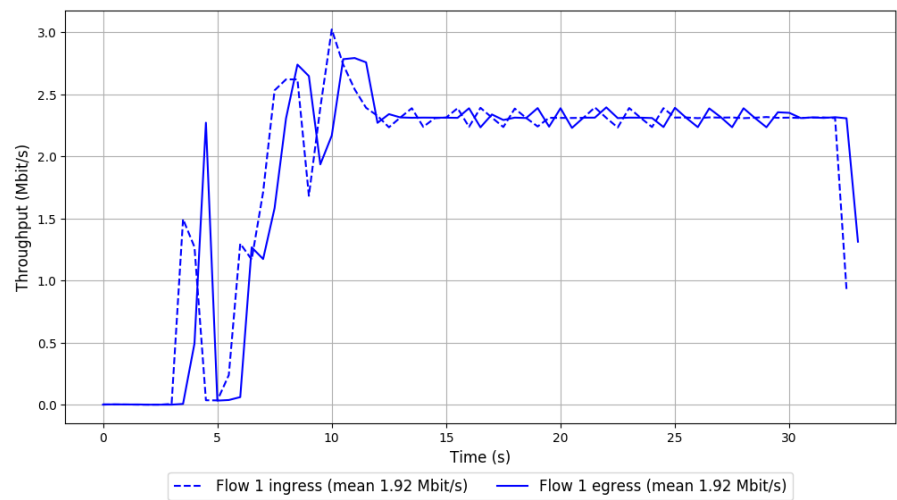
Run 3: Statistics of WebRTC media

Start at: 2018-06-05 03:52:38  
End at: 2018-06-05 03:53:08  
Local clock offset: 36.1 ms  
Remote clock offset: -0.005 ms

# Below is generated by plot.py at 2018-06-05 08:08:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.92 Mbit/s  
95th percentile per-packet one-way delay: 85.057 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.92 Mbit/s  
95th percentile per-packet one-way delay: 85.057 ms  
Loss rate: 0.00%



Run 3: Report of WebRTC media — Data Link

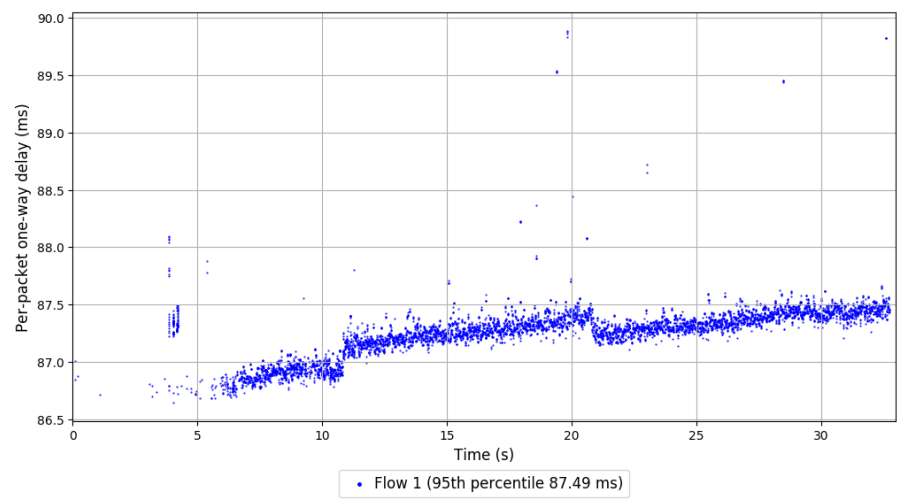
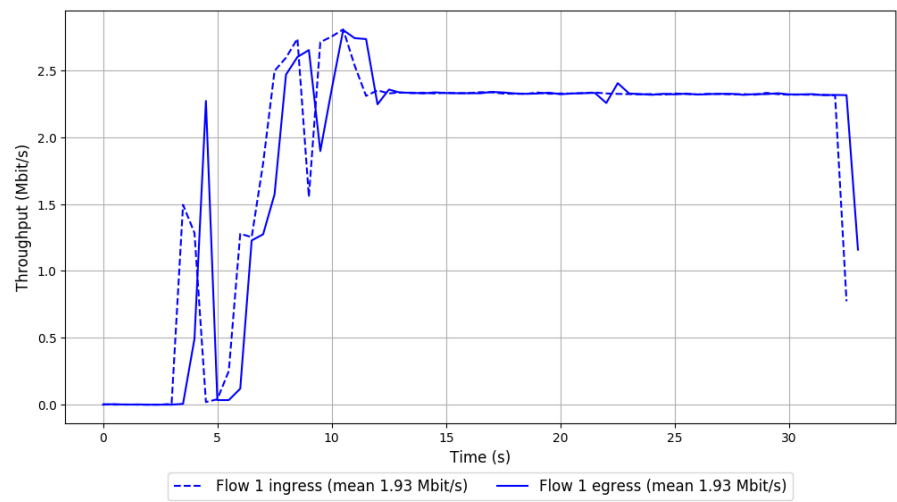


Run 4: Statistics of WebRTC media

Start at: 2018-06-05 04:13:24  
End at: 2018-06-05 04:13:54  
Local clock offset: 40.511 ms  
Remote clock offset: -0.195 ms

# Below is generated by plot.py at 2018-06-05 08:08:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.93 Mbit/s  
95th percentile per-packet one-way delay: 87.491 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.93 Mbit/s  
95th percentile per-packet one-way delay: 87.491 ms  
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

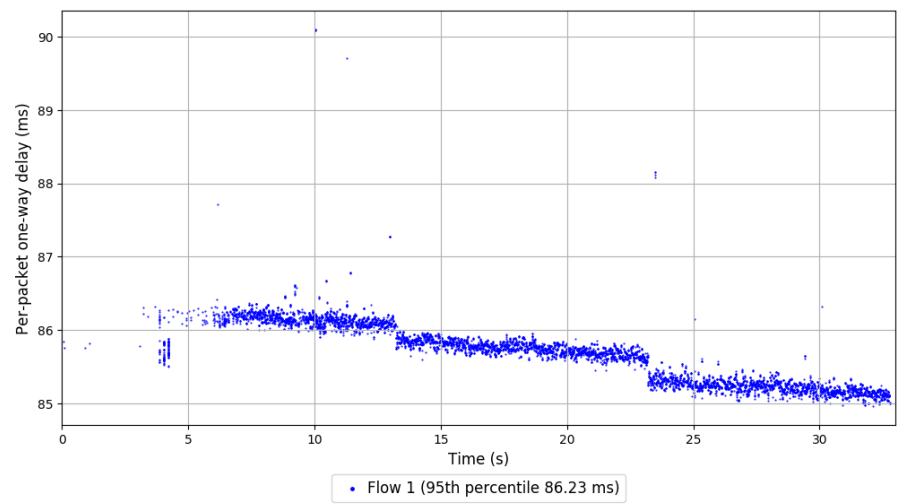
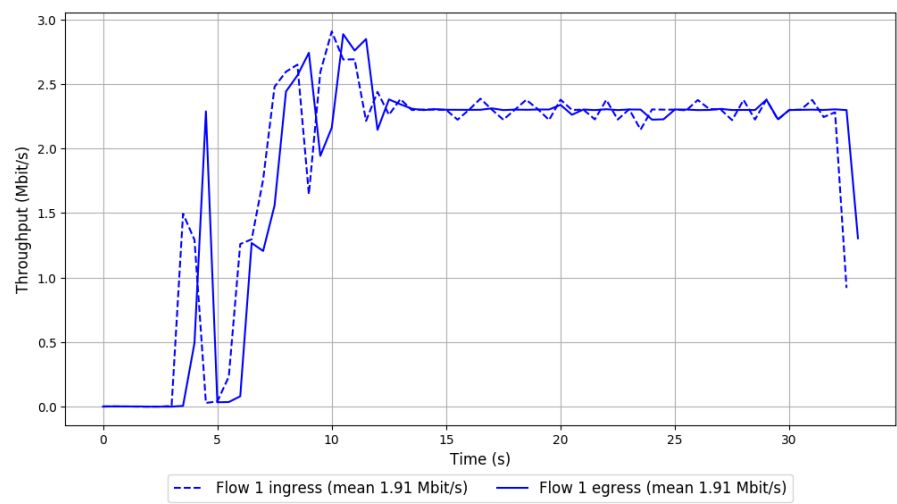


Run 5: Statistics of WebRTC media

Start at: 2018-06-05 04:34:21  
End at: 2018-06-05 04:34:51  
Local clock offset: 28.173 ms  
Remote clock offset: -0.119 ms

# Below is generated by plot.py at 2018-06-05 08:08:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.91 Mbit/s  
95th percentile per-packet one-way delay: 86.226 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.91 Mbit/s  
95th percentile per-packet one-way delay: 86.226 ms  
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

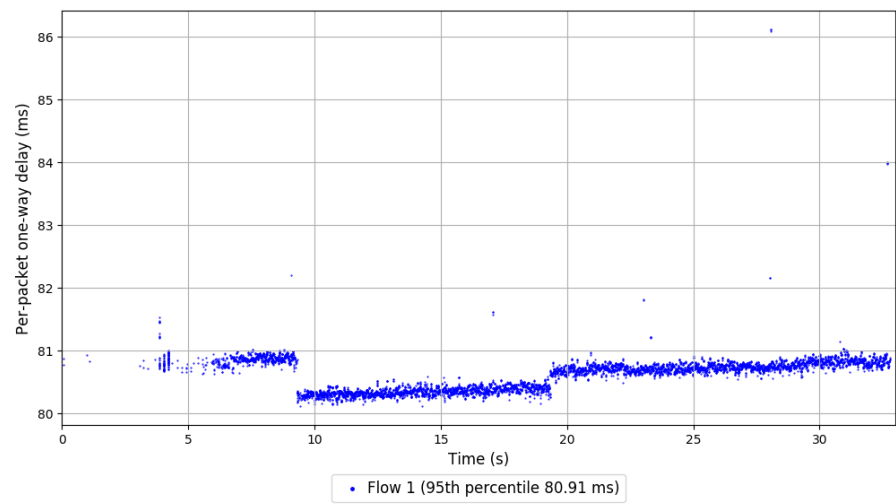
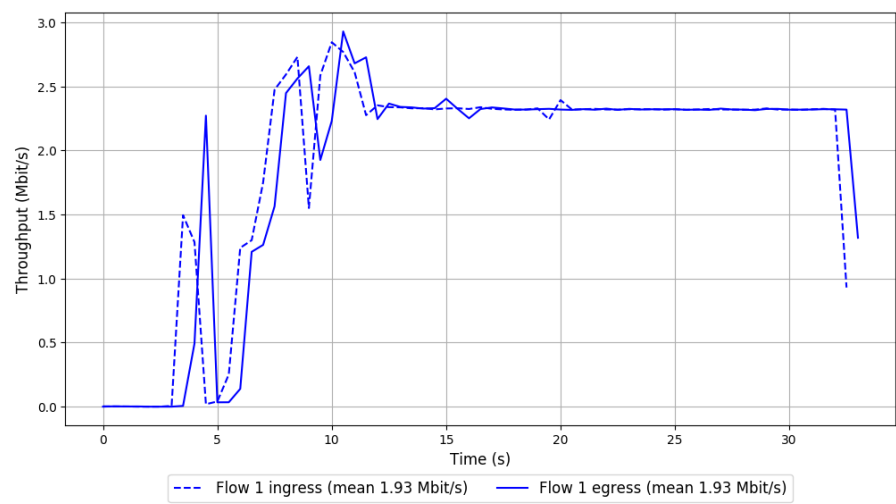


Run 6: Statistics of WebRTC media

Start at: 2018-06-05 04:55:15  
End at: 2018-06-05 04:55:45  
Local clock offset: 32.969 ms  
Remote clock offset: -0.123 ms

# Below is generated by plot.py at 2018-06-05 08:08:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.93 Mbit/s  
95th percentile per-packet one-way delay: 80.913 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.93 Mbit/s  
95th percentile per-packet one-way delay: 80.913 ms  
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



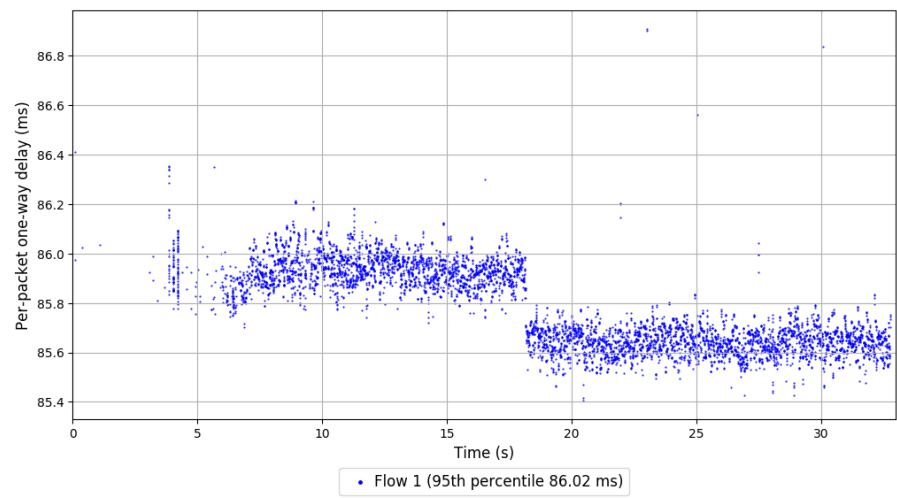
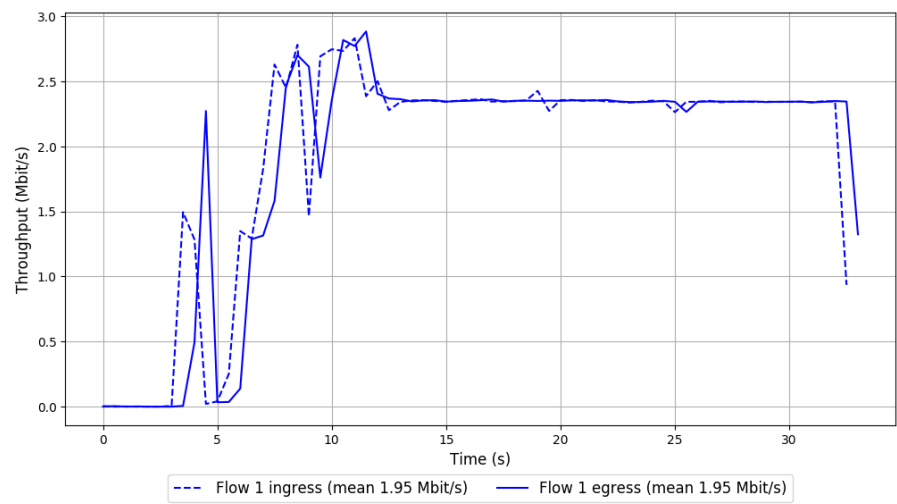
Run 7: Statistics of WebRTC media

Start at: 2018-06-05 05:16:06  
End at: 2018-06-05 05:16:36  
Local clock offset: 7.588 ms  
Remote clock offset: -0.113 ms

# Below is generated by plot.py at 2018-06-05 08:08:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.95 Mbit/s  
95th percentile per-packet one-way delay: 86.023 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.95 Mbit/s  
95th percentile per-packet one-way delay: 86.023 ms  
Loss rate: 0.00%



Run 7: Report of WebRTC media — Data Link

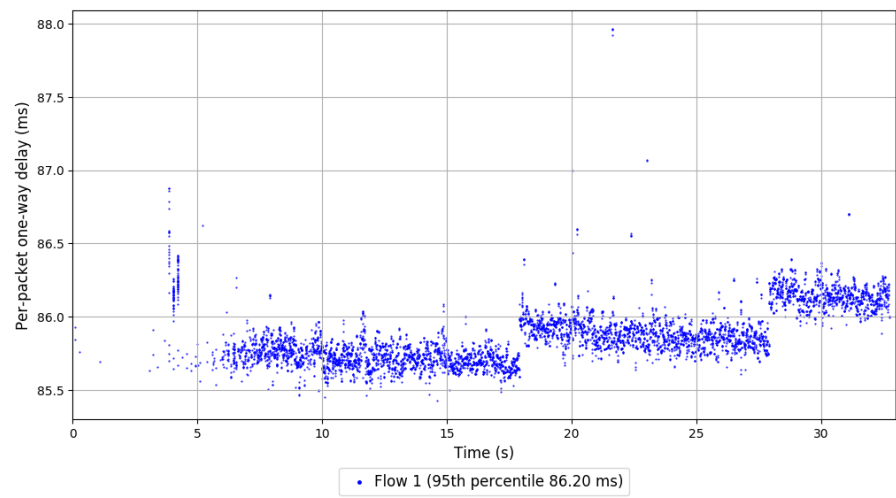
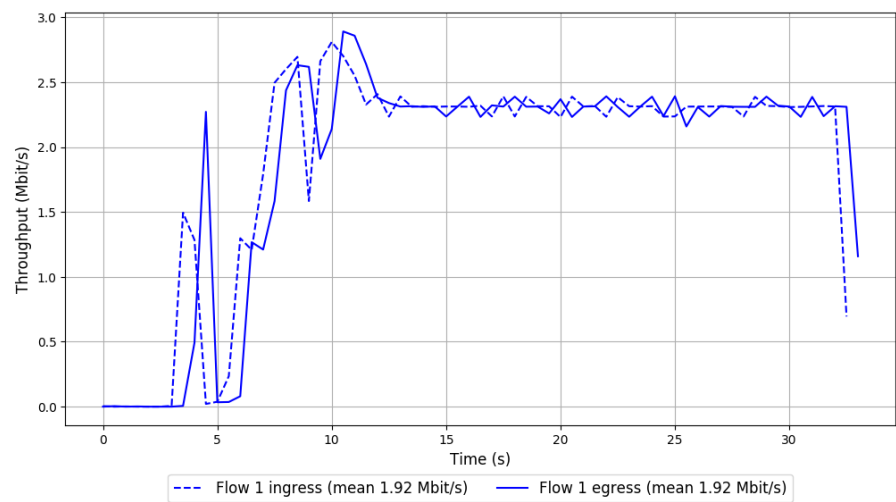


Run 8: Statistics of WebRTC media

Start at: 2018-06-05 05:37:07  
End at: 2018-06-05 05:37:37  
Local clock offset: 5.047 ms  
Remote clock offset: -0.125 ms

# Below is generated by plot.py at 2018-06-05 08:08:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.92 Mbit/s  
95th percentile per-packet one-way delay: 86.205 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.92 Mbit/s  
95th percentile per-packet one-way delay: 86.205 ms  
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

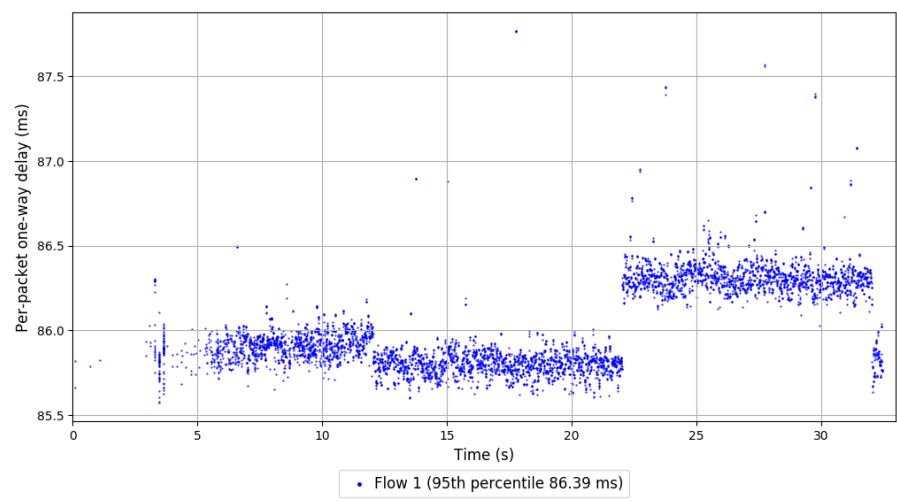
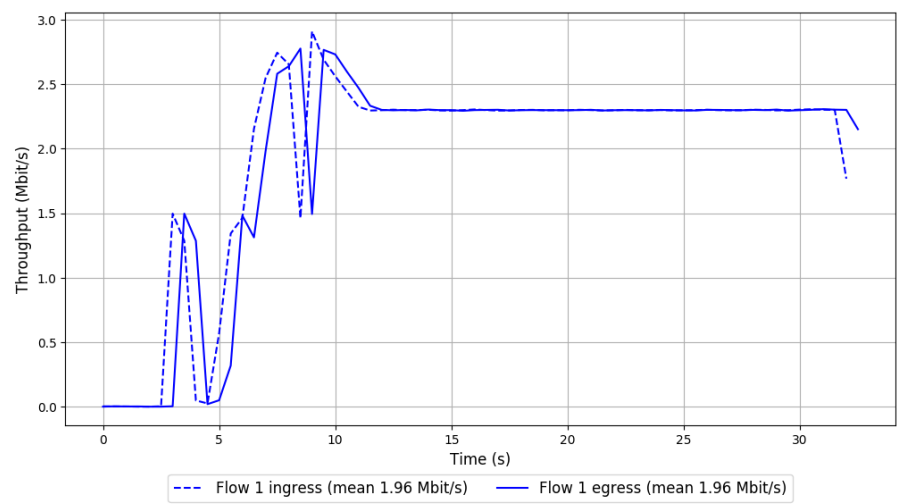


Run 9: Statistics of WebRTC media

Start at: 2018-06-05 05:58:12  
End at: 2018-06-05 05:58:42  
Local clock offset: 2.777 ms  
Remote clock offset: -0.108 ms

# Below is generated by plot.py at 2018-06-05 08:08:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.96 Mbit/s  
95th percentile per-packet one-way delay: 86.386 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.96 Mbit/s  
95th percentile per-packet one-way delay: 86.386 ms  
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-05 06:19:04

End at: 2018-06-05 06:19:34

Local clock offset: 1.428 ms

Remote clock offset: -0.046 ms

# Below is generated by plot.py at 2018-06-05 08:08:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 86.518 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 86.518 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

