

Pantheon Report

Generated at 2018-05-23 20:42:20 (UTC).

Data path: GCE London 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.

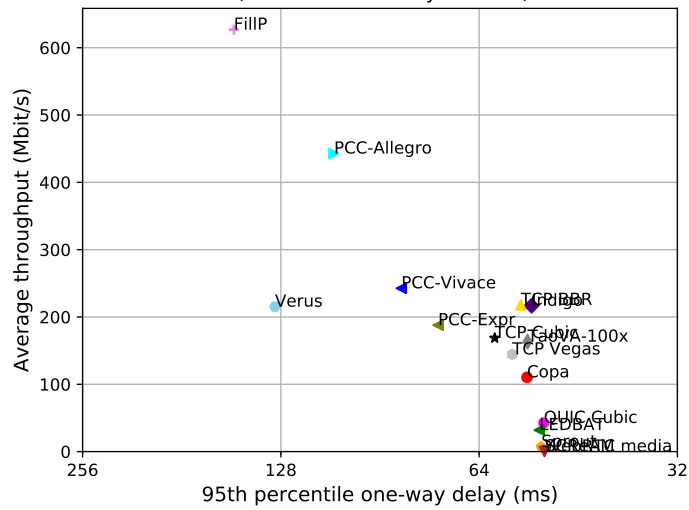
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `time.google.com` and have been applied to correct the timestamps in logs.

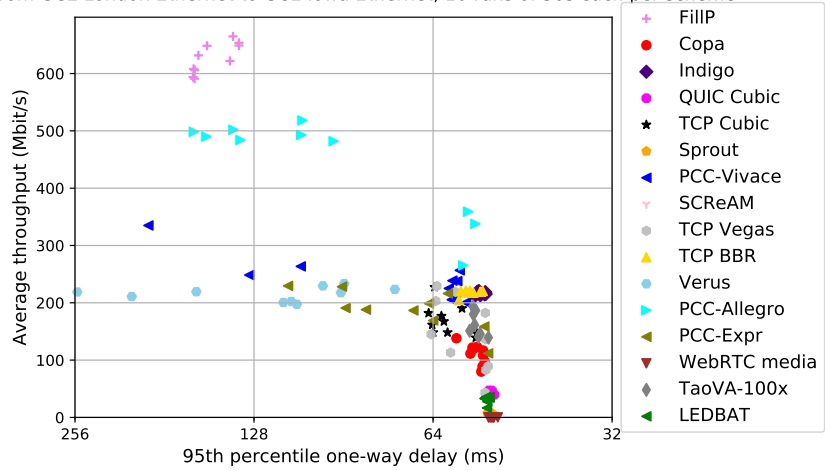
Git summary:

```
branch: master @ 2d1d4407e851ba626e5ca4626a306105793df686
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
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



test from GCE London Ethernet to GCE Iowa Ethernet, 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	217.95	55.32	0.01
Copa	10	110.32	54.14	0.03
TCP Cubic	10	168.71	60.61	0.04
FillP	10	626.83	150.90	5.52
Indigo	10	216.64	53.28	0.01
LEDBAT	10	31.93	51.89	0.01
PCC-Allegro	10	442.81	106.28	0.86
PCC-Expr	10	187.77	73.87	0.04
QUIC Cubic	7	42.60	51.05	0.00
SCReAM	10	0.22	50.86	0.00
Sprout	10	6.90	51.50	0.00
TaoVA-100x	10	163.28	54.04	0.00
TCP Vegas	10	144.35	57.01	0.01
Verus	10	215.34	130.67	1.29
PCC-Vivace	10	242.58	84.01	0.26
WebRTC media	10	0.05	50.93	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-05-23 16:20:29

End at: 2018-05-23 16:20:59

Local clock offset: -0.001 ms

Remote clock offset: 0.175 ms

Below is generated by plot.py at 2018-05-23 19:33:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.00 Mbit/s

95th percentile per-packet one-way delay: 55.470 ms

Loss rate: 0.00%

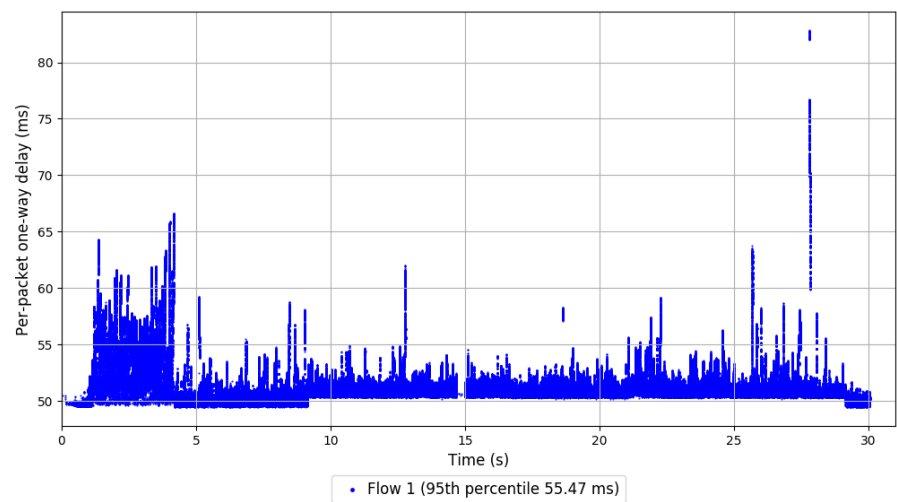
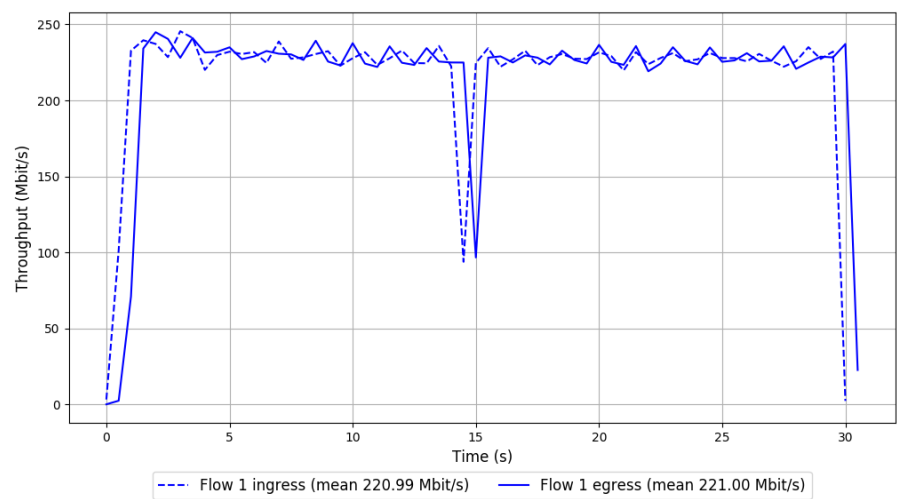
-- Flow 1:

Average throughput: 221.00 Mbit/s

95th percentile per-packet one-way delay: 55.470 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-05-23 16:40:23

End at: 2018-05-23 16:40:53

Local clock offset: 0.016 ms

Remote clock offset: 0.66 ms

Below is generated by plot.py at 2018-05-23 19:33:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.39 Mbit/s

95th percentile per-packet one-way delay: 53.313 ms

Loss rate: 0.00%

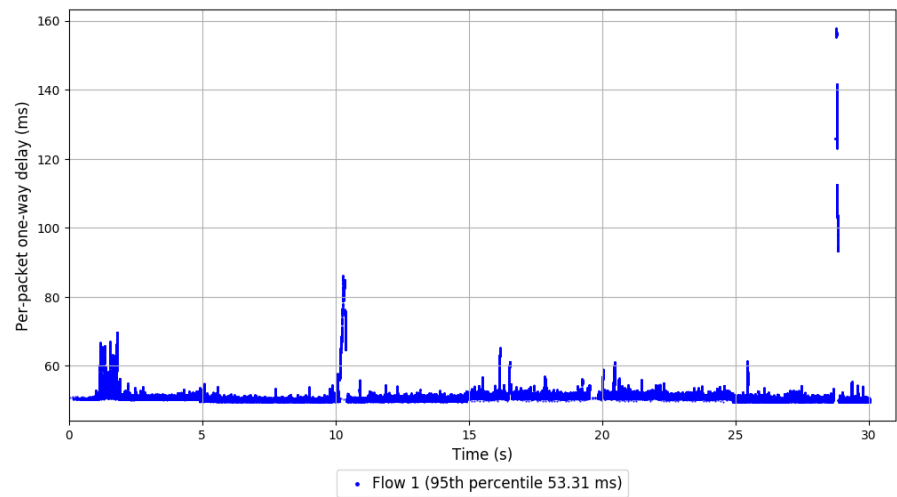
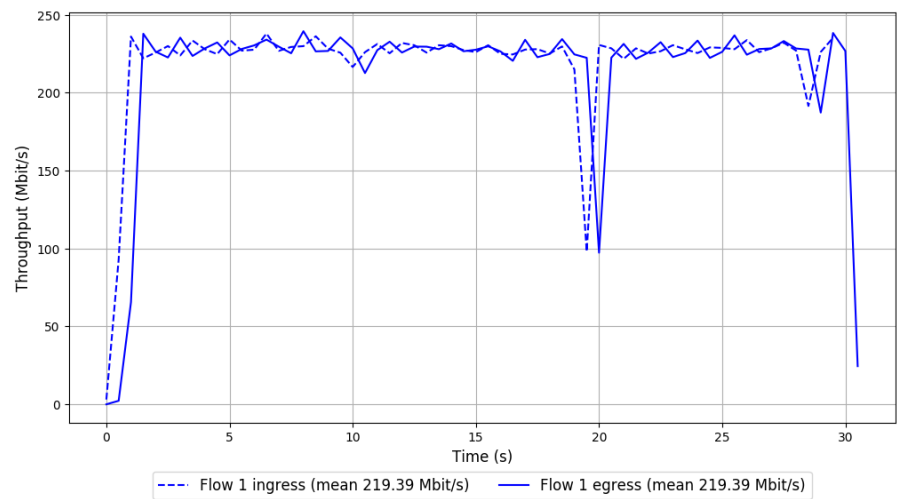
-- Flow 1:

Average throughput: 219.39 Mbit/s

95th percentile per-packet one-way delay: 53.313 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-05-23 17:00:12

End at: 2018-05-23 17:00:42

Local clock offset: 0.002 ms

Remote clock offset: 0.278 ms

Below is generated by plot.py at 2018-05-23 19:33:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.98 Mbit/s

95th percentile per-packet one-way delay: 56.331 ms

Loss rate: 0.02%

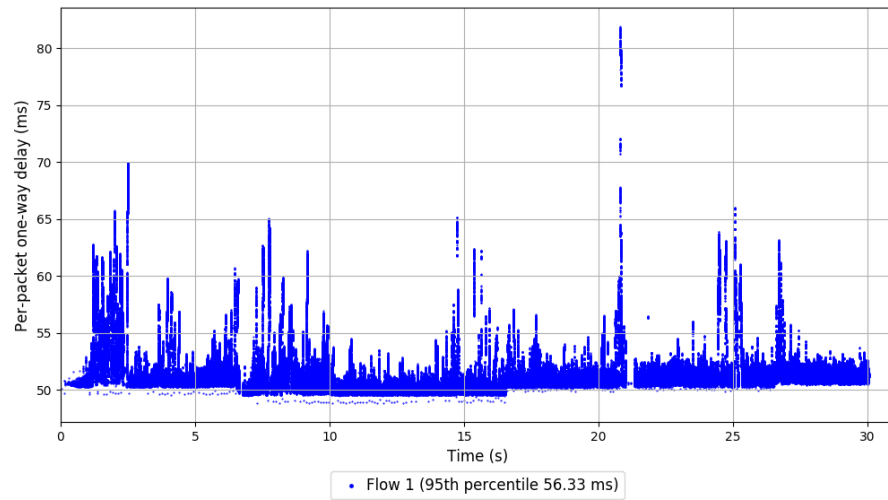
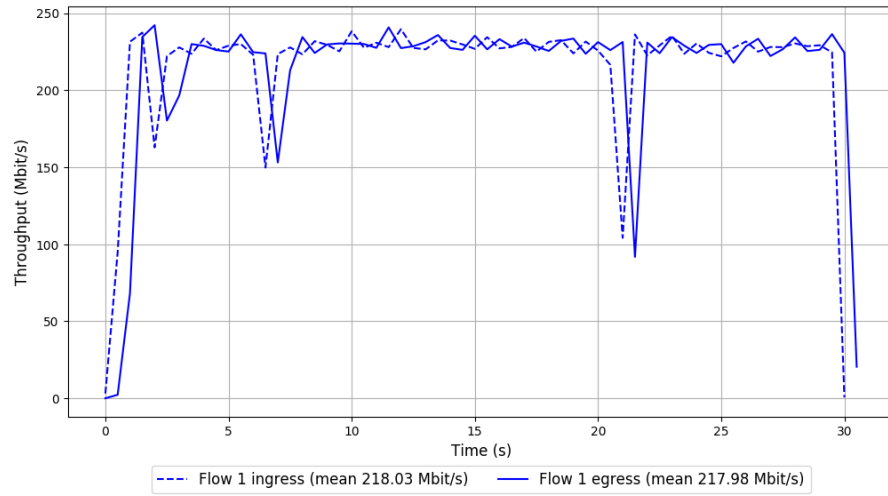
-- Flow 1:

Average throughput: 217.98 Mbit/s

95th percentile per-packet one-way delay: 56.331 ms

Loss rate: 0.02%

Run 3: Report of TCP BBR — Data Link

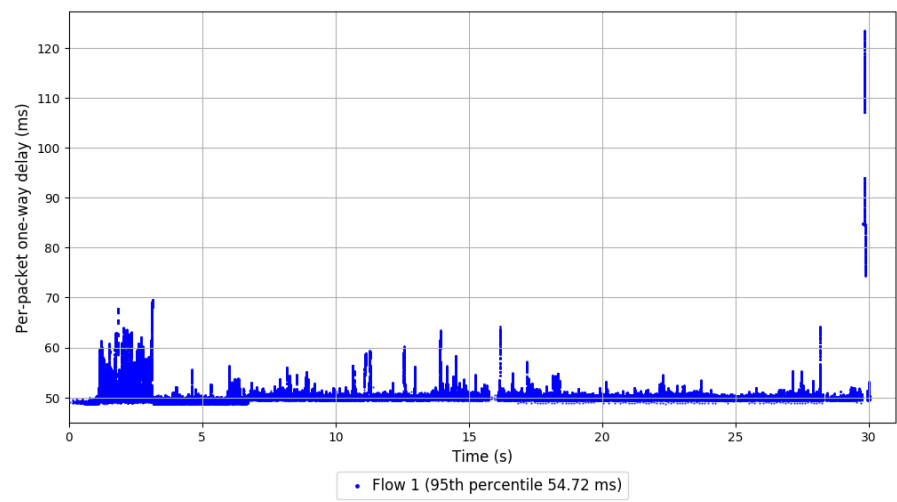
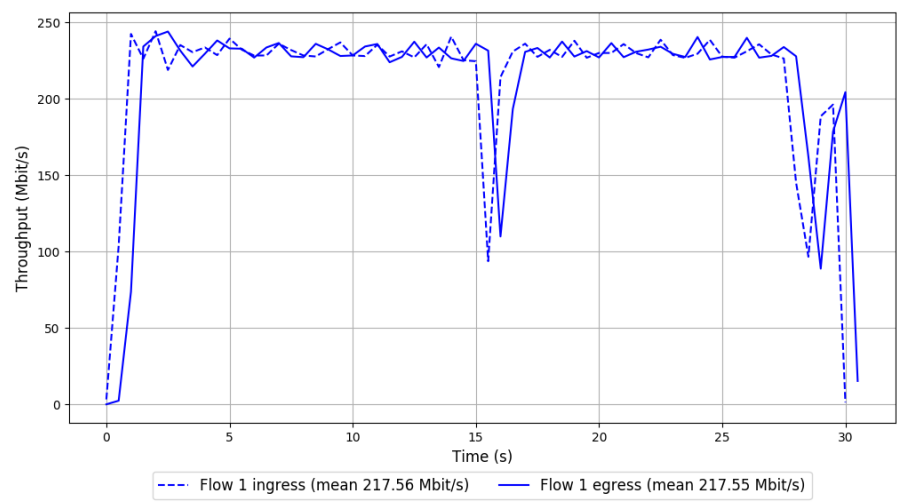


Run 4: Statistics of TCP BBR

Start at: 2018-05-23 17:20:02
End at: 2018-05-23 17:20:32
Local clock offset: -0.007 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2018-05-23 19:33:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.55 Mbit/s
95th percentile per-packet one-way delay: 54.724 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 217.55 Mbit/s
95th percentile per-packet one-way delay: 54.724 ms
Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-05-23 17:39:52

End at: 2018-05-23 17:40:22

Local clock offset: 0.006 ms

Remote clock offset: -0.345 ms

Below is generated by plot.py at 2018-05-23 19:33:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.70 Mbit/s

95th percentile per-packet one-way delay: 57.909 ms

Loss rate: 0.06%

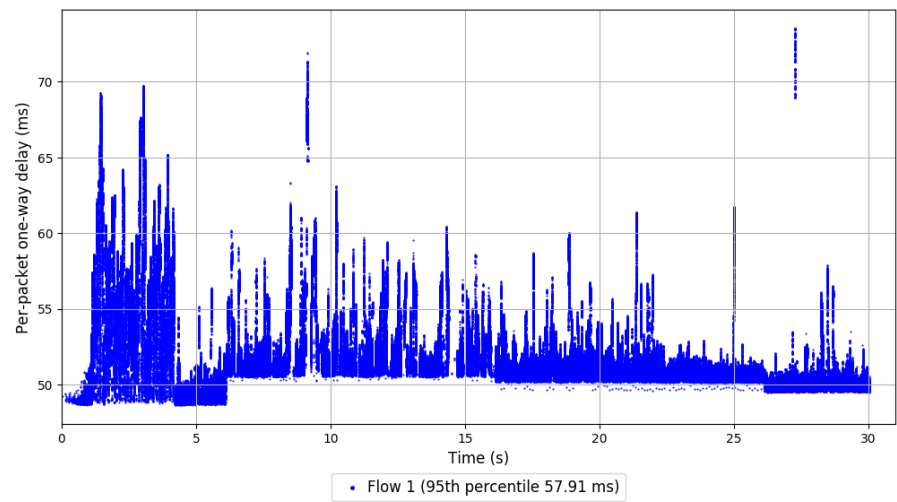
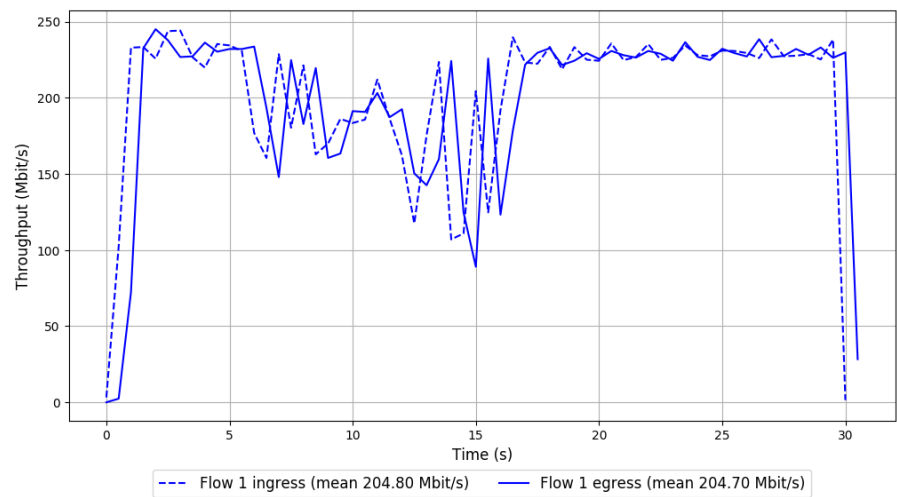
-- Flow 1:

Average throughput: 204.70 Mbit/s

95th percentile per-packet one-way delay: 57.909 ms

Loss rate: 0.06%

Run 5: Report of TCP BBR — Data Link

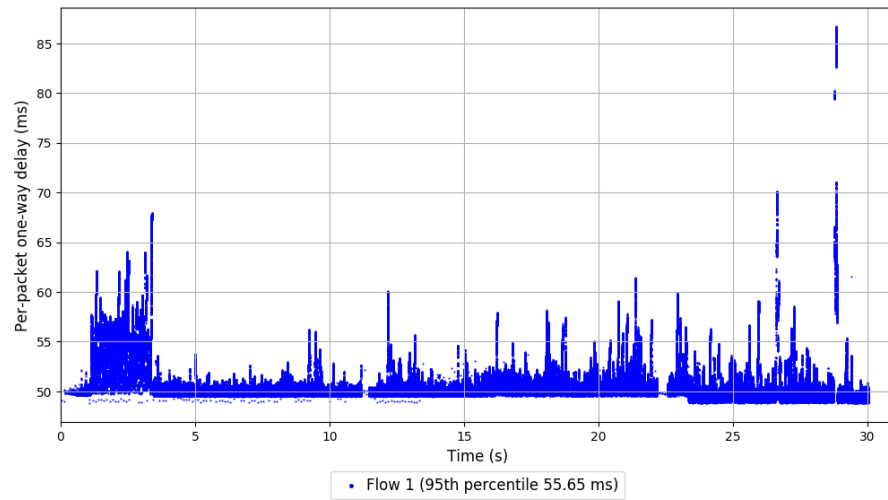
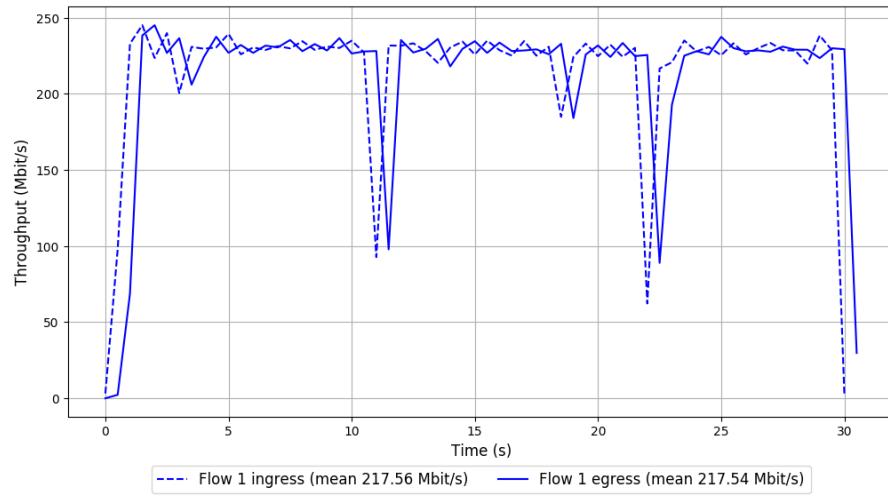


Run 6: Statistics of TCP BBR

Start at: 2018-05-23 17:59:45
End at: 2018-05-23 18:00:15
Local clock offset: -0.079 ms
Remote clock offset: -0.477 ms

Below is generated by plot.py at 2018-05-23 19:33:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.54 Mbit/s
95th percentile per-packet one-way delay: 55.647 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 217.54 Mbit/s
95th percentile per-packet one-way delay: 55.647 ms
Loss rate: 0.01%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-05-23 18:19:36

End at: 2018-05-23 18:20:06

Local clock offset: -0.06 ms

Remote clock offset: -0.633 ms

Below is generated by plot.py at 2018-05-23 19:33:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.37 Mbit/s

95th percentile per-packet one-way delay: 57.463 ms

Loss rate: 0.00%

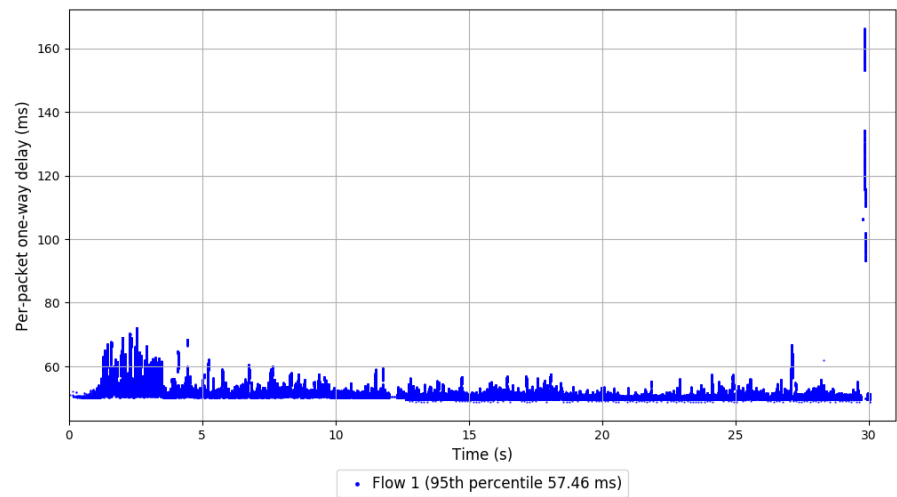
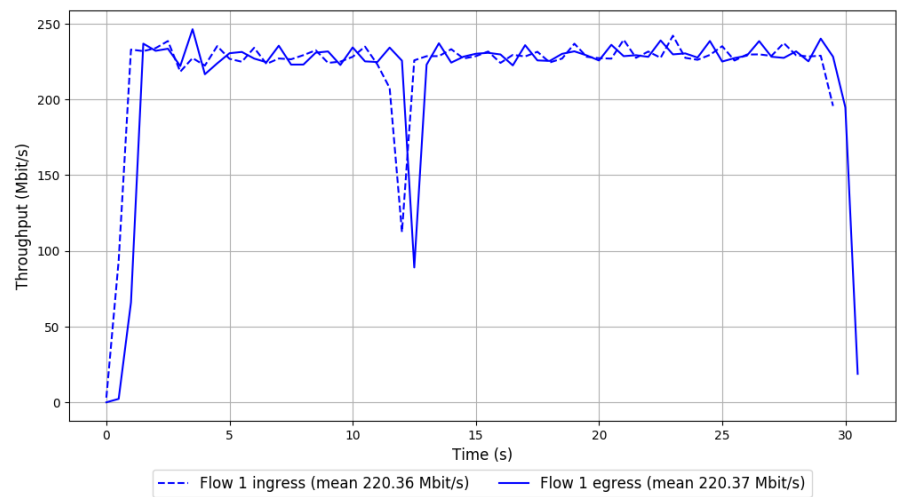
-- Flow 1:

Average throughput: 220.37 Mbit/s

95th percentile per-packet one-way delay: 57.463 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link

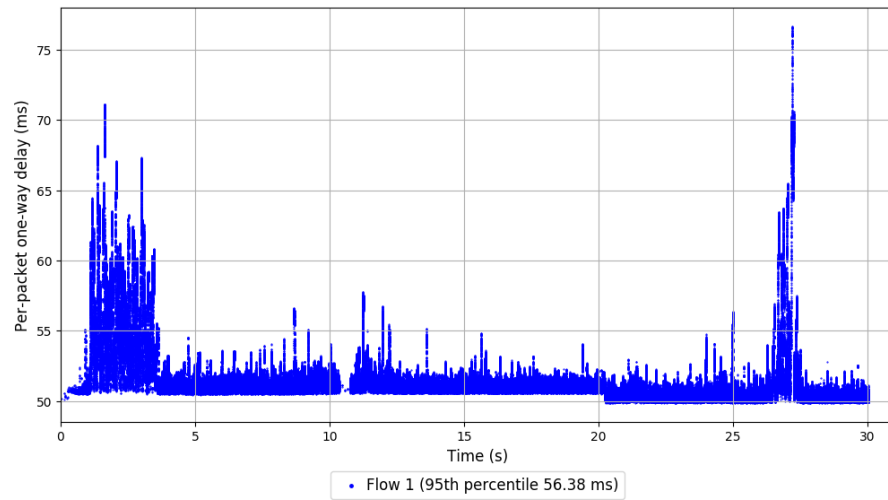
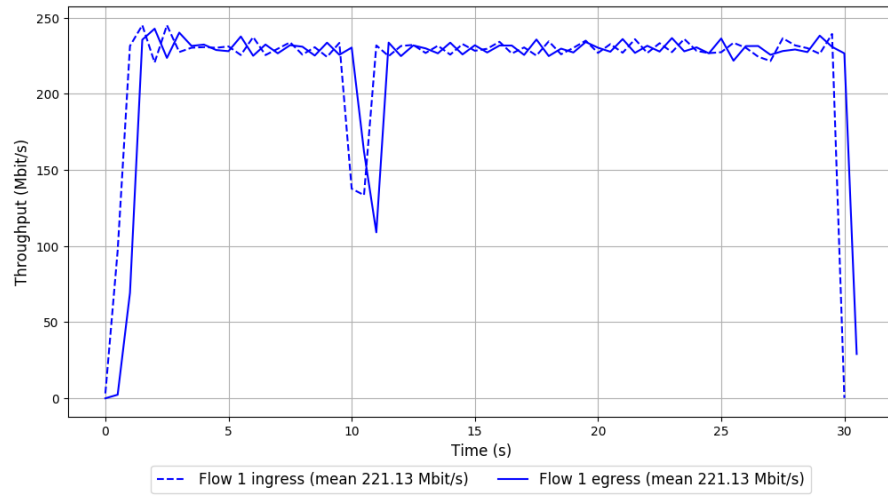


Run 8: Statistics of TCP BBR

Start at: 2018-05-23 18:39:28
End at: 2018-05-23 18:39:58
Local clock offset: -0.428 ms
Remote clock offset: -0.794 ms

Below is generated by plot.py at 2018-05-23 19:33:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.13 Mbit/s
95th percentile per-packet one-way delay: 56.375 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 221.13 Mbit/s
95th percentile per-packet one-way delay: 56.375 ms
Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link

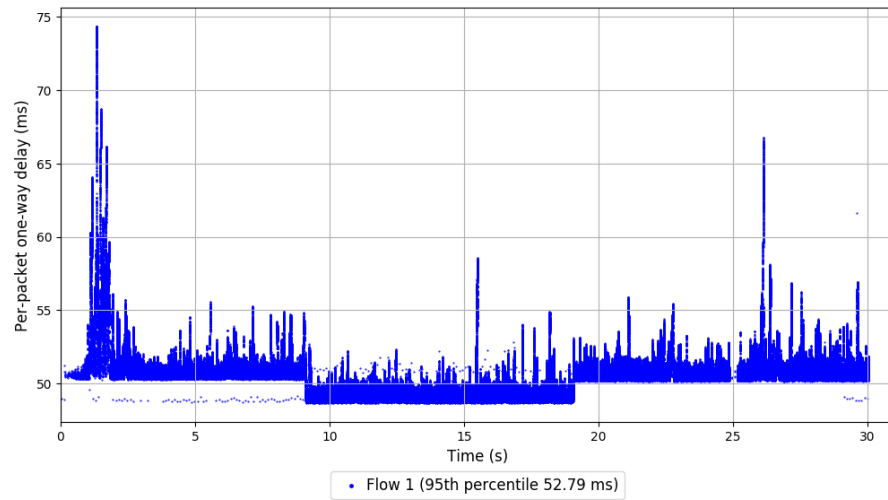
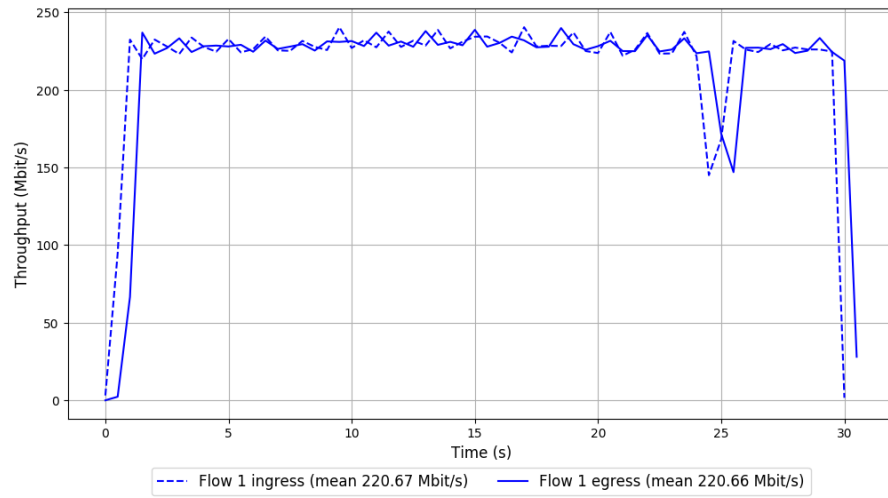


Run 9: Statistics of TCP BBR

Start at: 2018-05-23 18:59:19
End at: 2018-05-23 18:59:49
Local clock offset: -0.031 ms
Remote clock offset: -0.921 ms

Below is generated by plot.py at 2018-05-23 19:36:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 220.66 Mbit/s
95th percentile per-packet one-way delay: 52.788 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 220.66 Mbit/s
95th percentile per-packet one-way delay: 52.788 ms
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-05-23 19:19:23

End at: 2018-05-23 19:19:53

Local clock offset: -0.023 ms

Remote clock offset: -1.02 ms

Below is generated by plot.py at 2018-05-23 19:36:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.16 Mbit/s

95th percentile per-packet one-way delay: 53.170 ms

Loss rate: 0.00%

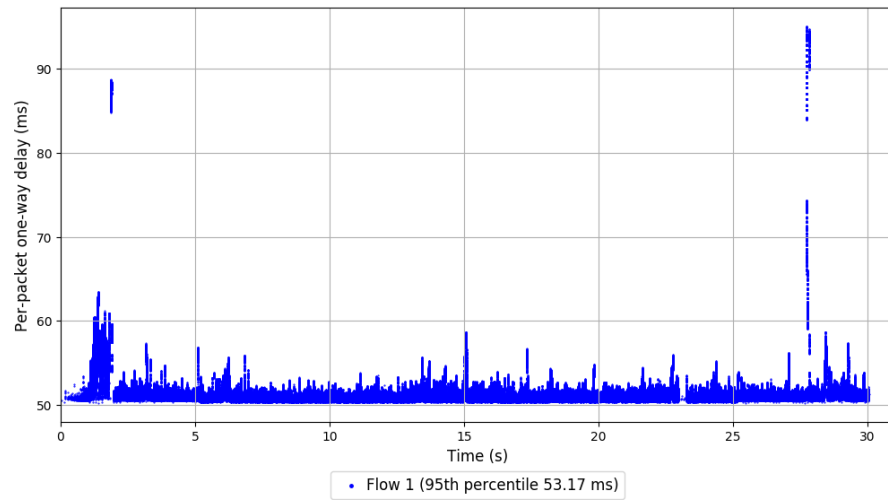
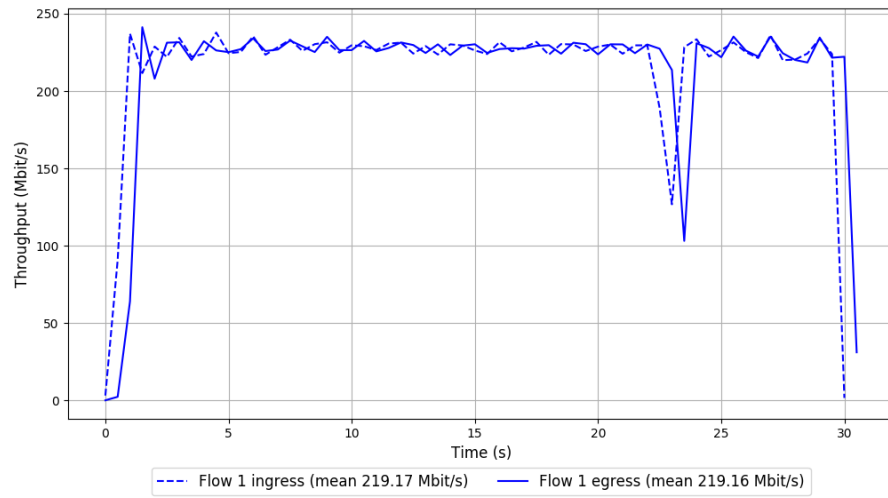
-- Flow 1:

Average throughput: 219.16 Mbit/s

95th percentile per-packet one-way delay: 53.170 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

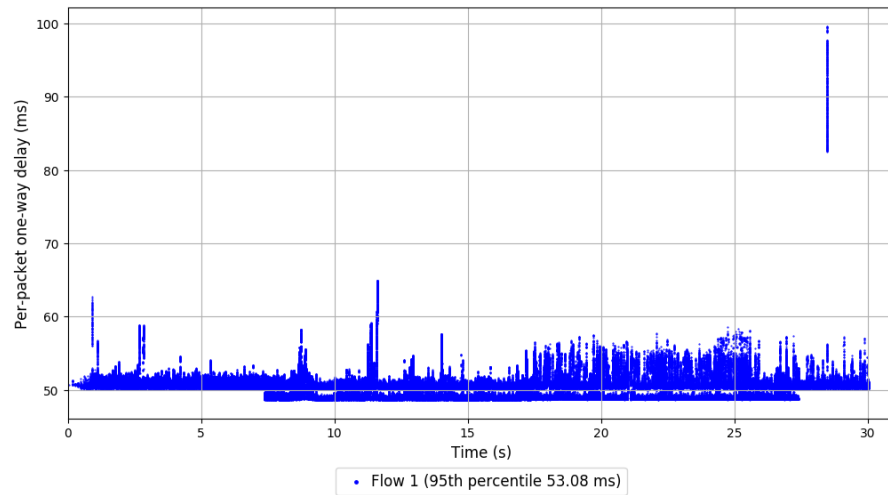
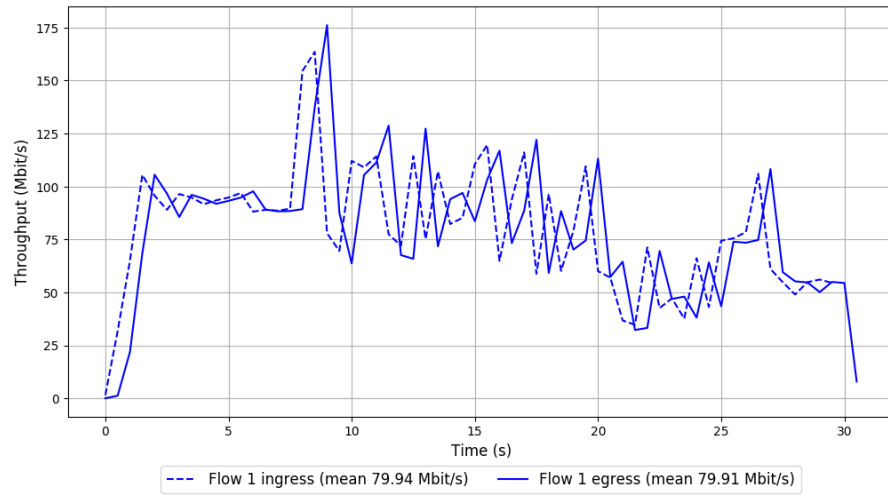


Run 1: Statistics of Copa

Start at: 2018-05-23 16:11:01
End at: 2018-05-23 16:11:31
Local clock offset: 0.008 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-05-23 19:36:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.91 Mbit/s
95th percentile per-packet one-way delay: 53.084 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 79.91 Mbit/s
95th percentile per-packet one-way delay: 53.084 ms
Loss rate: 0.04%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-05-23 16:30:50

End at: 2018-05-23 16:31:20

Local clock offset: -0.387 ms

Remote clock offset: 0.466 ms

Below is generated by plot.py at 2018-05-23 19:36:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 118.17 Mbit/s

95th percentile per-packet one-way delay: 54.913 ms

Loss rate: 0.22%

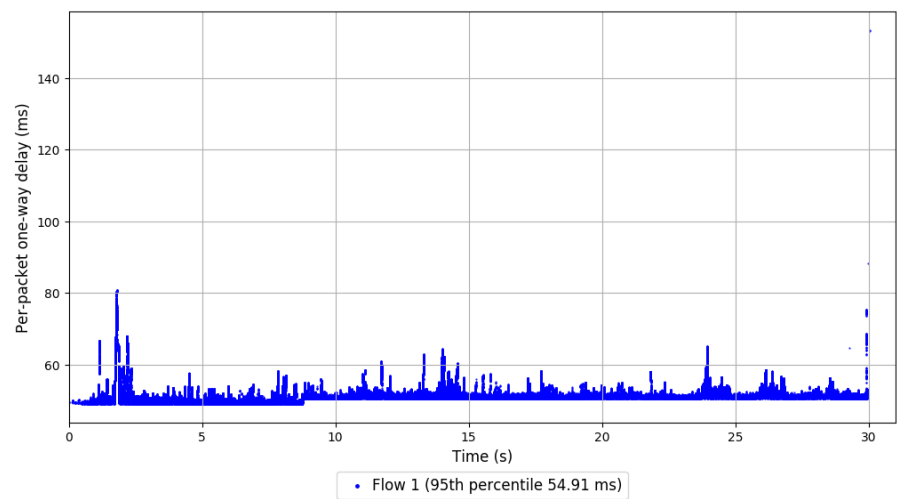
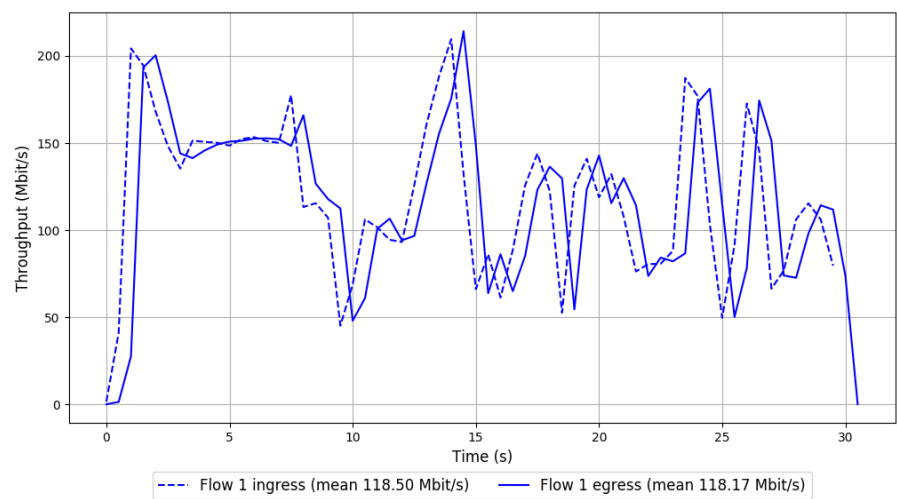
-- Flow 1:

Average throughput: 118.17 Mbit/s

95th percentile per-packet one-way delay: 54.913 ms

Loss rate: 0.22%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-05-23 16:50:42

End at: 2018-05-23 16:51:12

Local clock offset: 0.04 ms

Remote clock offset: 0.749 ms

Below is generated by plot.py at 2018-05-23 19:37:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 122.79 Mbit/s

95th percentile per-packet one-way delay: 53.951 ms

Loss rate: 0.00%

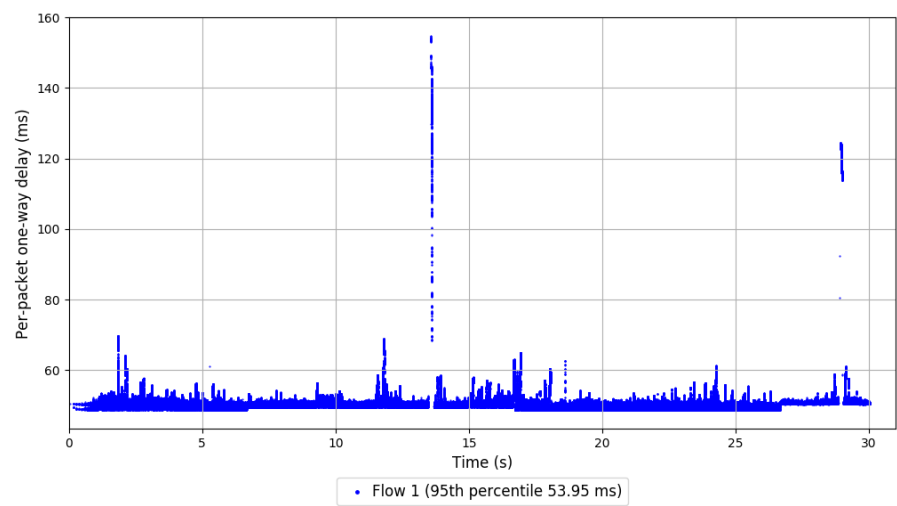
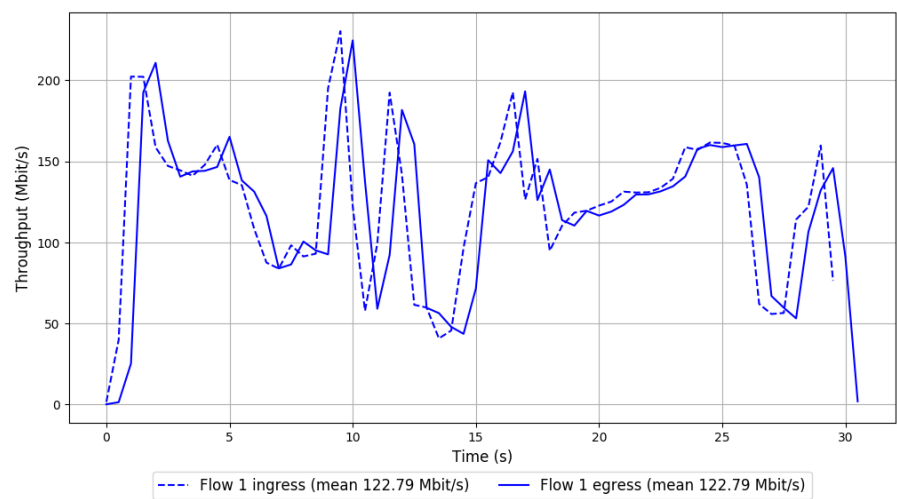
-- Flow 1:

Average throughput: 122.79 Mbit/s

95th percentile per-packet one-way delay: 53.951 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-05-23 17:10:34

End at: 2018-05-23 17:11:05

Local clock offset: -0.392 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-05-23 19:37:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 108.05 Mbit/s

95th percentile per-packet one-way delay: 52.733 ms

Loss rate: 0.00%

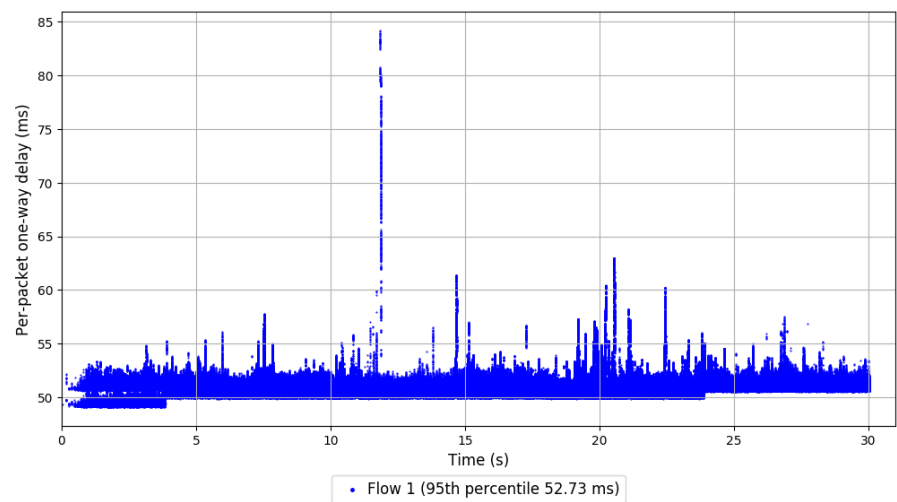
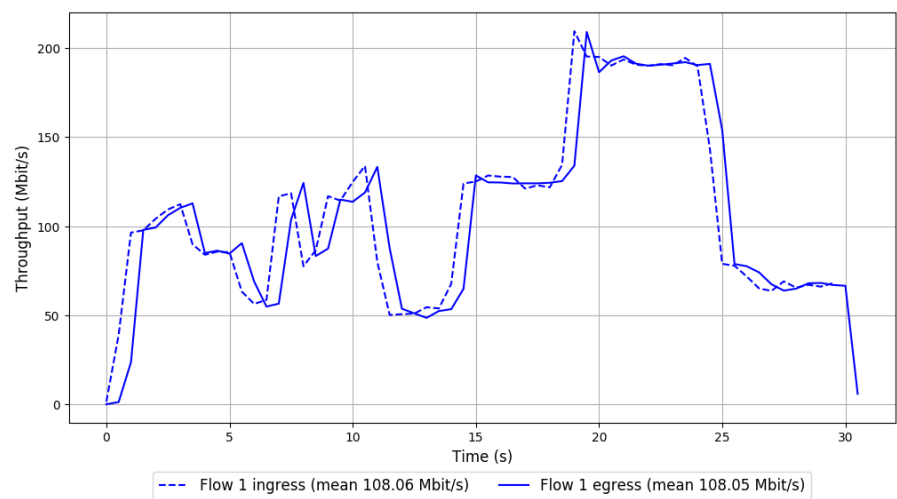
-- Flow 1:

Average throughput: 108.05 Mbit/s

95th percentile per-packet one-way delay: 52.733 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link

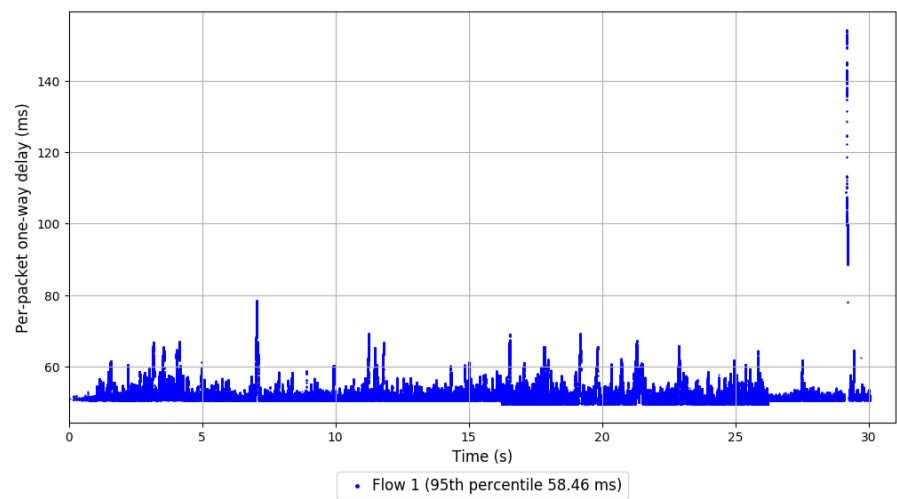
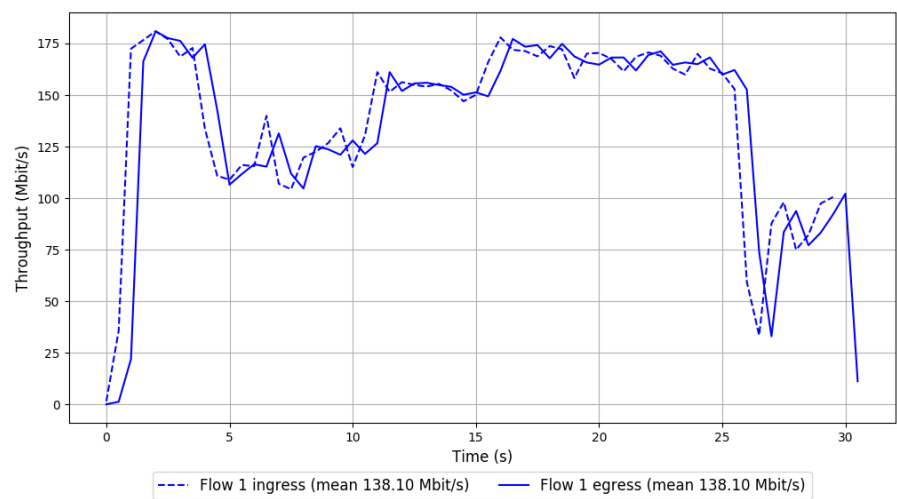


Run 5: Statistics of Copa

Start at: 2018-05-23 17:30:22
End at: 2018-05-23 17:30:52
Local clock offset: -0.01 ms
Remote clock offset: -0.187 ms

Below is generated by plot.py at 2018-05-23 19:37:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 138.10 Mbit/s
95th percentile per-packet one-way delay: 58.462 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 138.10 Mbit/s
95th percentile per-packet one-way delay: 58.462 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

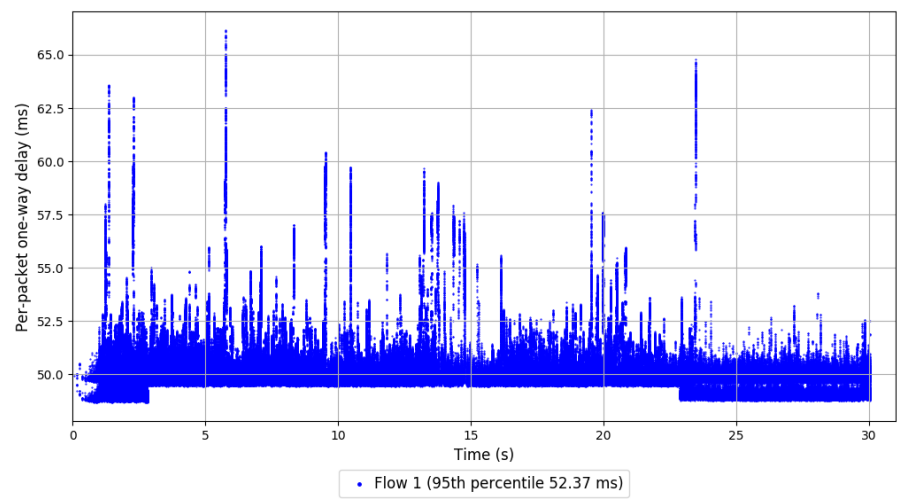
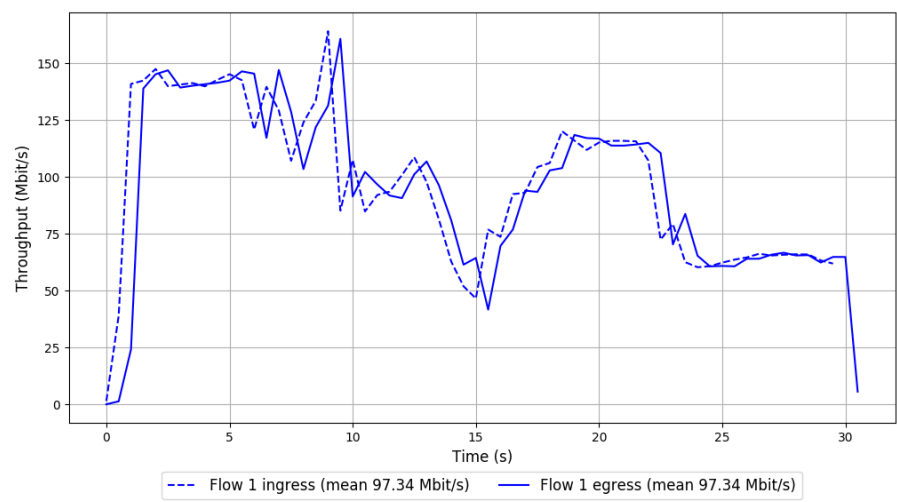


Run 6: Statistics of Copa

Start at: 2018-05-23 17:50:16
End at: 2018-05-23 17:50:46
Local clock offset: -0.03 ms
Remote clock offset: -0.408 ms

Below is generated by plot.py at 2018-05-23 19:37:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 52.371 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 52.371 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

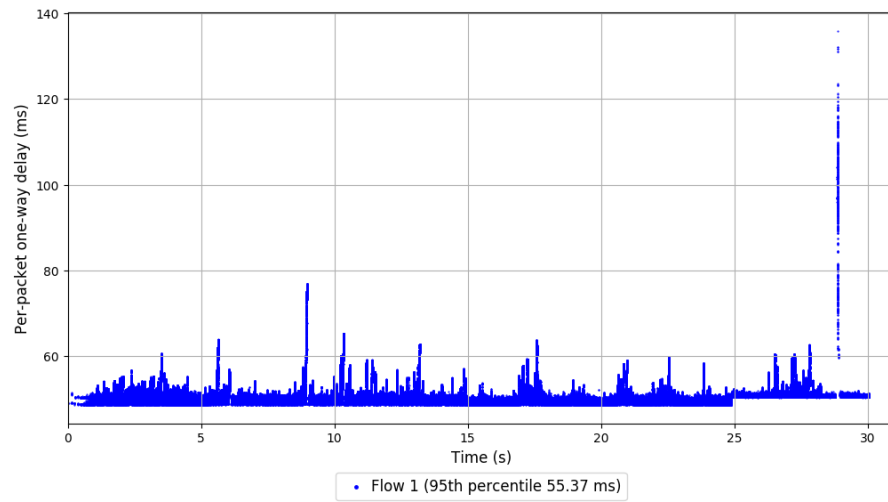
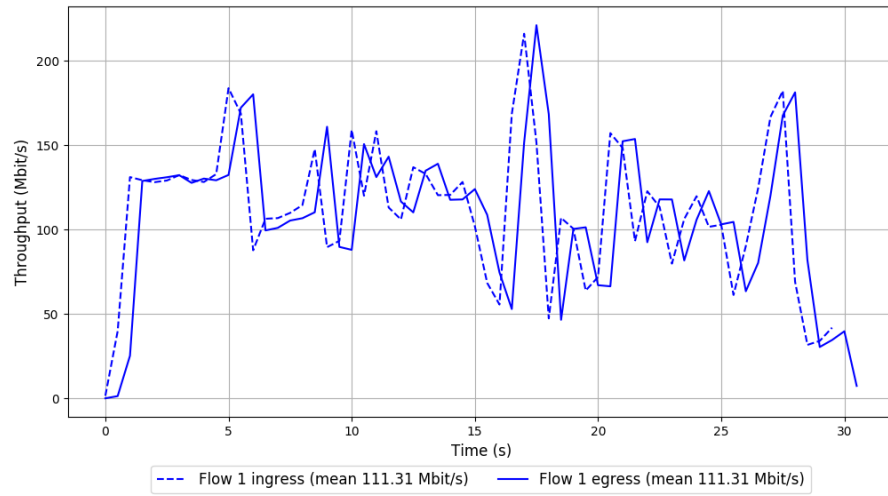


Run 7: Statistics of Copa

Start at: 2018-05-23 18:10:03
End at: 2018-05-23 18:10:34
Local clock offset: -0.034 ms
Remote clock offset: -0.581 ms

Below is generated by plot.py at 2018-05-23 19:39:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 111.31 Mbit/s
95th percentile per-packet one-way delay: 55.372 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 111.31 Mbit/s
95th percentile per-packet one-way delay: 55.372 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-05-23 18:29:57

End at: 2018-05-23 18:30:27

Local clock offset: -0.446 ms

Remote clock offset: -0.68 ms

Below is generated by plot.py at 2018-05-23 19:39:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.00 Mbit/s

95th percentile per-packet one-way delay: 52.836 ms

Loss rate: 0.00%

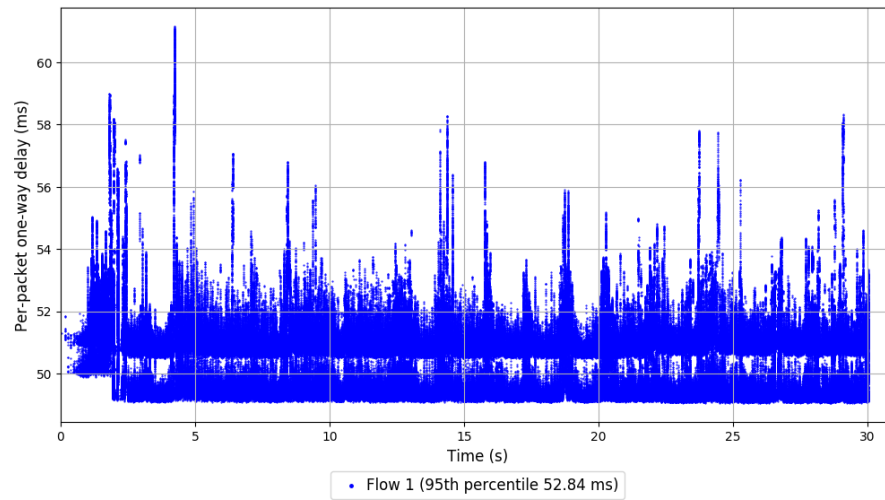
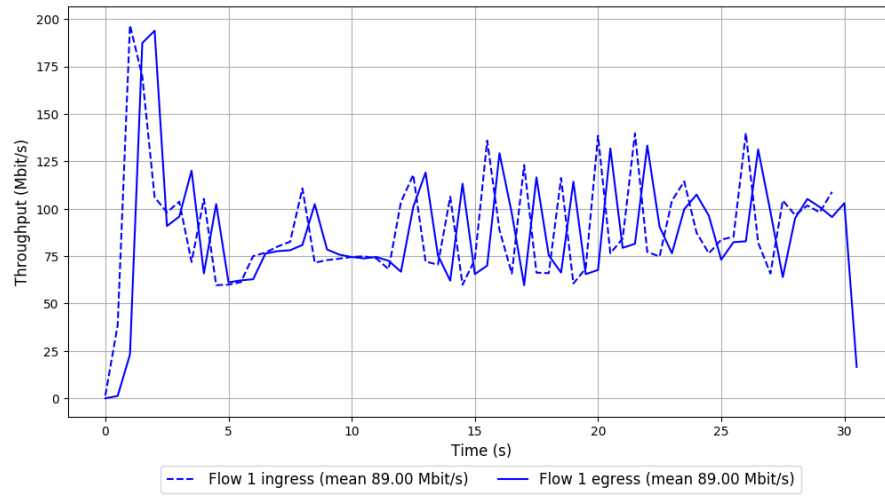
-- Flow 1:

Average throughput: 89.00 Mbit/s

95th percentile per-packet one-way delay: 52.836 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link

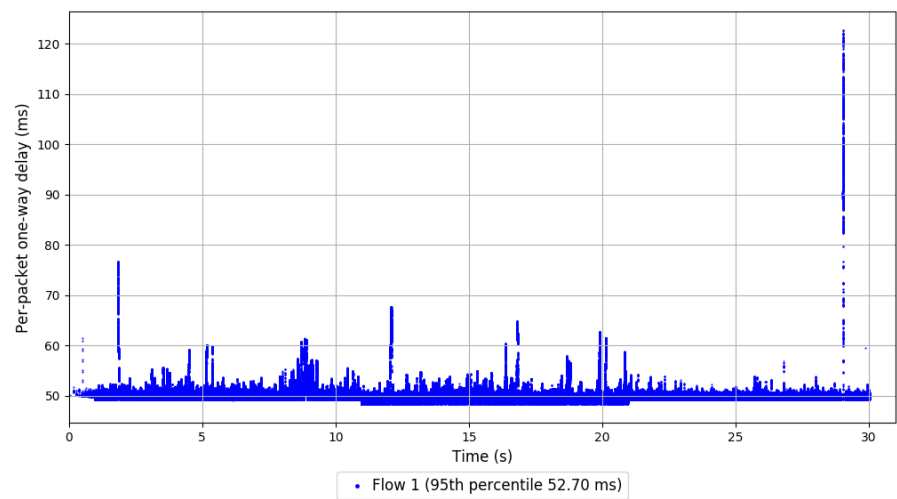
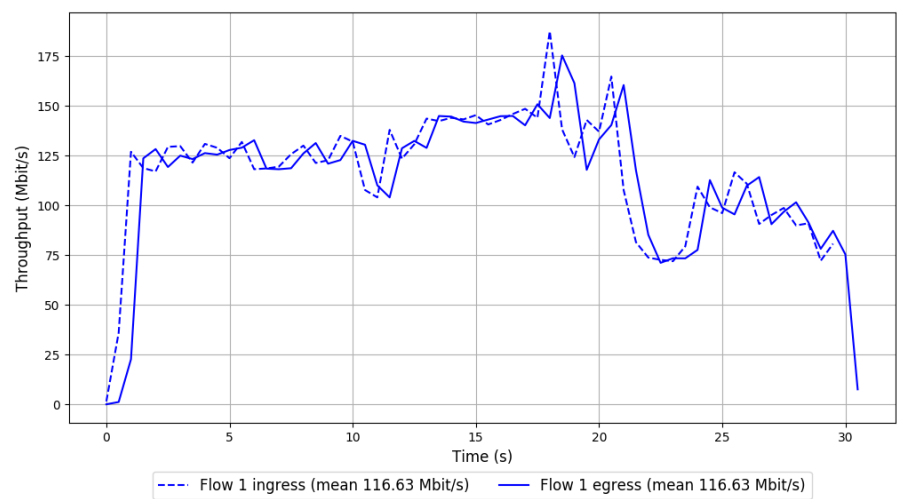


Run 9: Statistics of Copa

Start at: 2018-05-23 18:49:47
End at: 2018-05-23 18:50:17
Local clock offset: 0.362 ms
Remote clock offset: -0.826 ms

Below is generated by plot.py at 2018-05-23 19:40:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 116.63 Mbit/s
95th percentile per-packet one-way delay: 52.705 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 116.63 Mbit/s
95th percentile per-packet one-way delay: 52.705 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

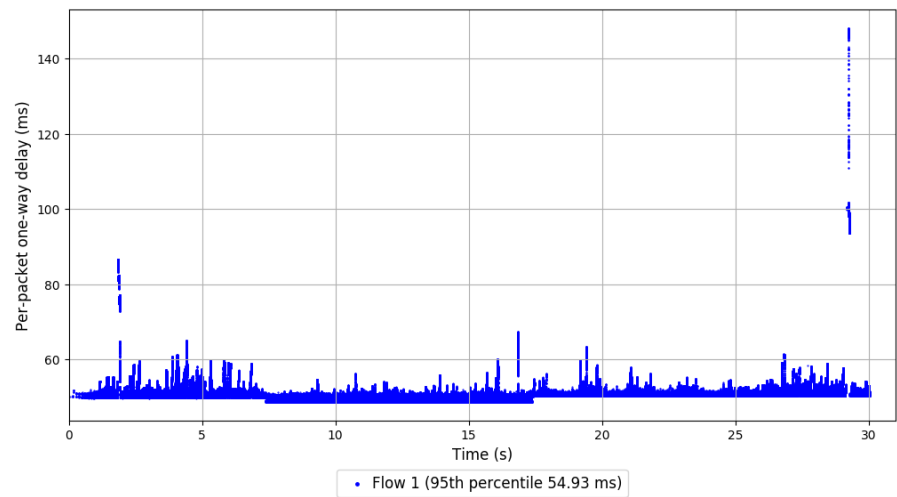
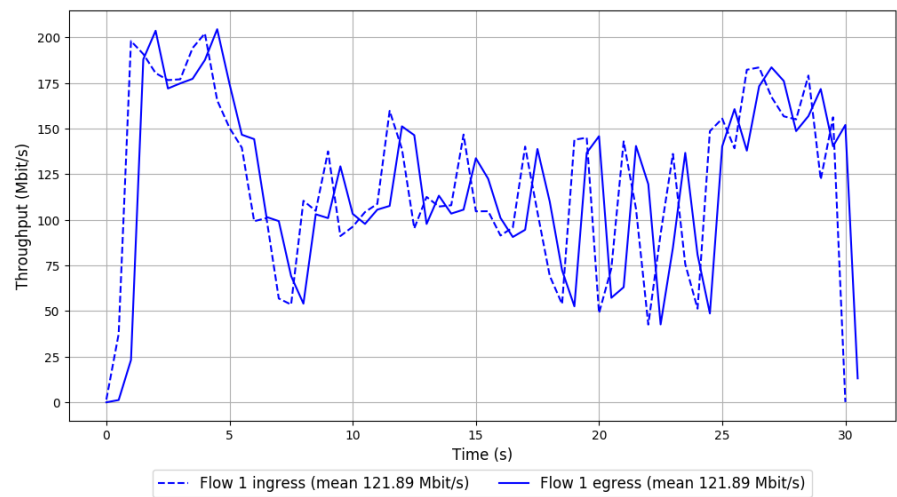


Run 10: Statistics of Copa

Start at: 2018-05-23 19:09:41
End at: 2018-05-23 19:10:11
Local clock offset: -0.027 ms
Remote clock offset: -1.009 ms

Below is generated by plot.py at 2018-05-23 19:40:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 121.89 Mbit/s
95th percentile per-packet one-way delay: 54.931 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 121.89 Mbit/s
95th percentile per-packet one-way delay: 54.931 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-05-23 16:07:22

End at: 2018-05-23 16:07:52

Local clock offset: -0.043 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-05-23 19:40:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.14 Mbit/s

95th percentile per-packet one-way delay: 63.953 ms

Loss rate: 0.05%

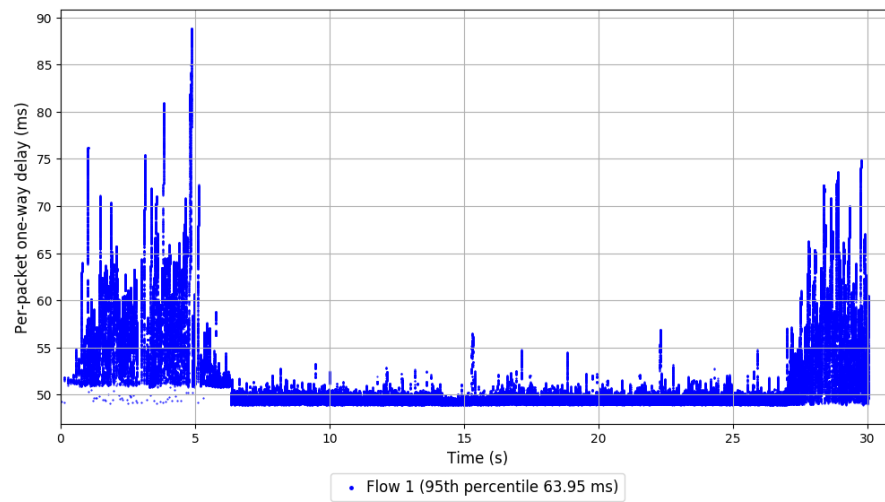
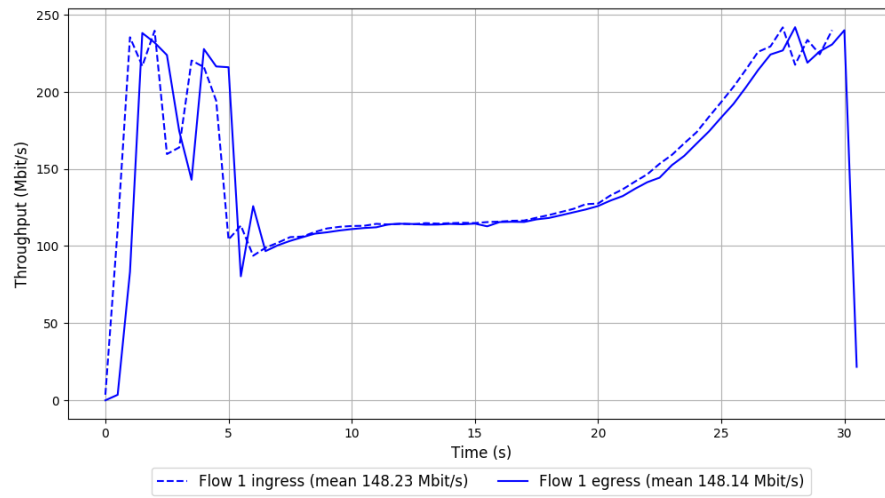
-- Flow 1:

Average throughput: 148.14 Mbit/s

95th percentile per-packet one-way delay: 63.953 ms

Loss rate: 0.05%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-05-23 16:27:06

End at: 2018-05-23 16:27:36

Local clock offset: -0.036 ms

Remote clock offset: 0.422 ms

Below is generated by plot.py at 2018-05-23 19:40:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.26 Mbit/s

95th percentile per-packet one-way delay: 63.618 ms

Loss rate: 0.06%

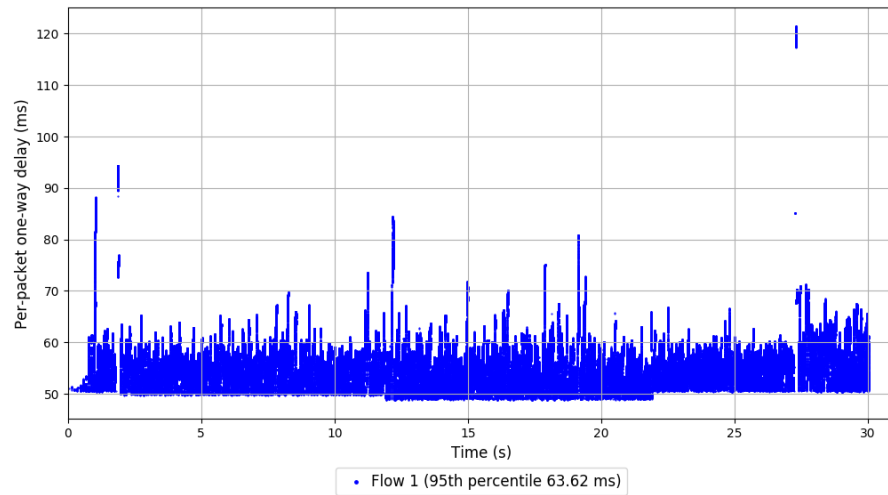
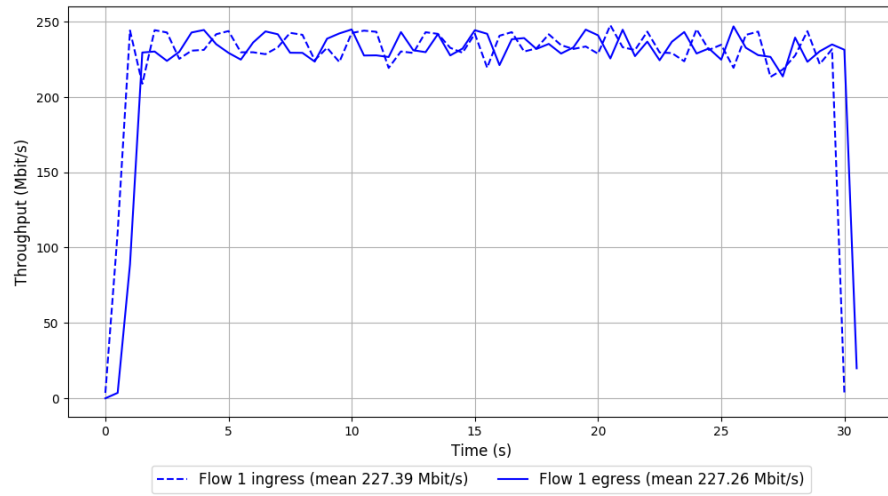
-- Flow 1:

Average throughput: 227.26 Mbit/s

95th percentile per-packet one-way delay: 63.618 ms

Loss rate: 0.06%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-05-23 16:47:06

End at: 2018-05-23 16:47:36

Local clock offset: -0.021 ms

Remote clock offset: 0.702 ms

Below is generated by plot.py at 2018-05-23 19:40:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.97 Mbit/s

95th percentile per-packet one-way delay: 61.961 ms

Loss rate: 0.00%

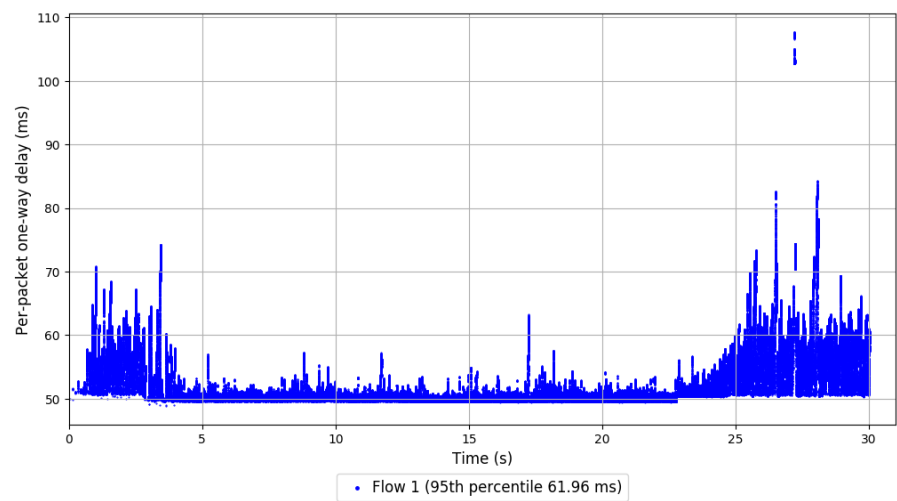
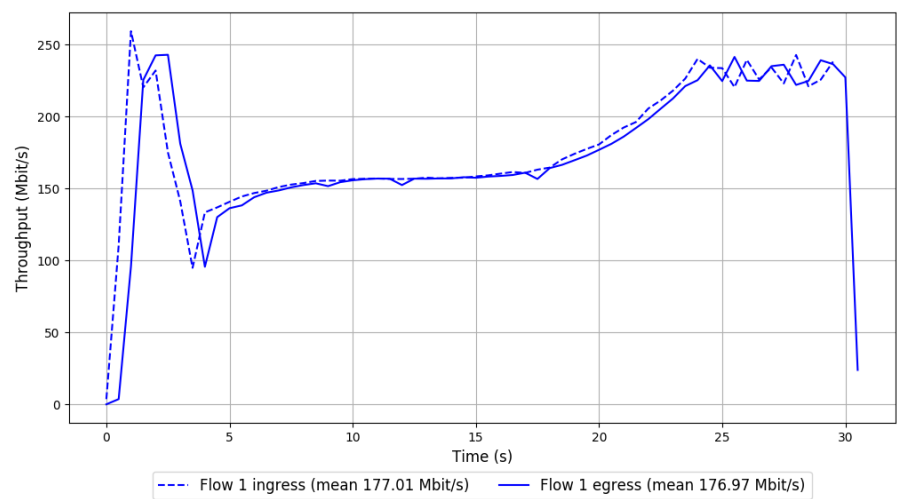
-- Flow 1:

Average throughput: 176.97 Mbit/s

95th percentile per-packet one-way delay: 61.961 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-05-23 17:06:56

End at: 2018-05-23 17:07:26

Local clock offset: 0.027 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-05-23 19:40:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 139.03 Mbit/s

95th percentile per-packet one-way delay: 54.228 ms

Loss rate: 0.00%

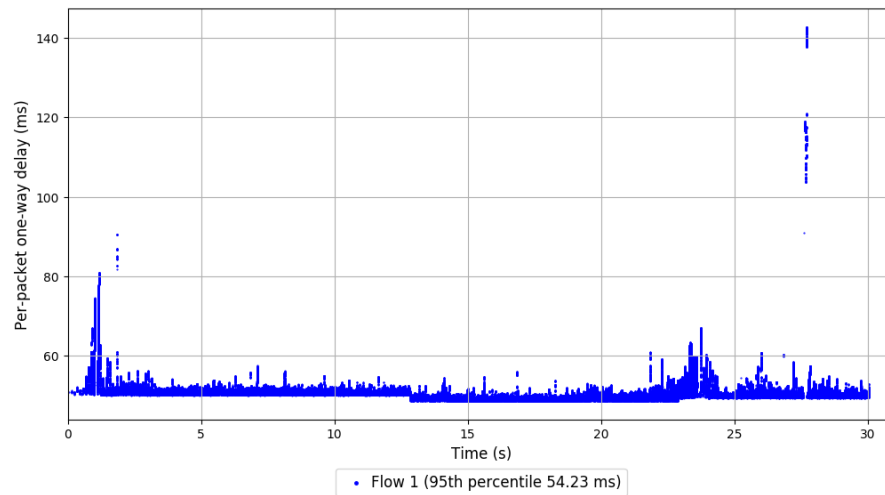
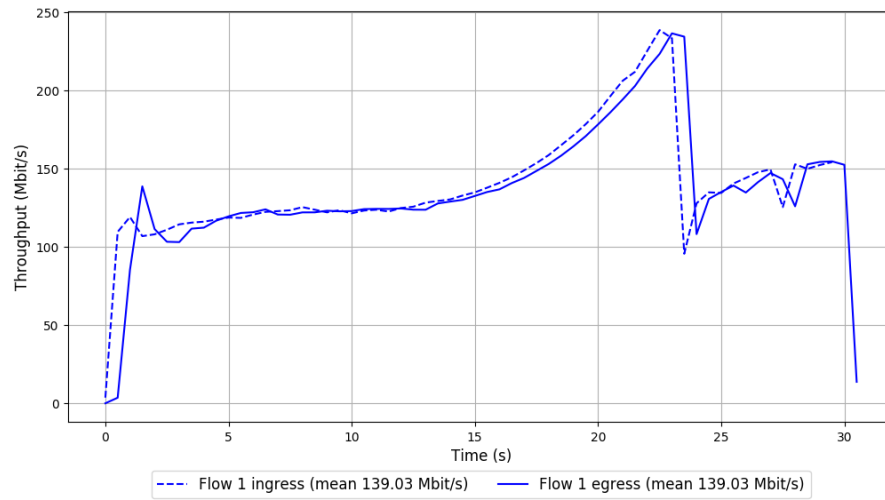
-- Flow 1:

Average throughput: 139.03 Mbit/s

95th percentile per-packet one-way delay: 54.228 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-05-23 17:26:49

End at: 2018-05-23 17:27:19

Local clock offset: 0.013 ms

Remote clock offset: -0.21 ms

Below is generated by plot.py at 2018-05-23 19:42:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 182.03 Mbit/s

95th percentile per-packet one-way delay: 65.110 ms

Loss rate: 0.00%

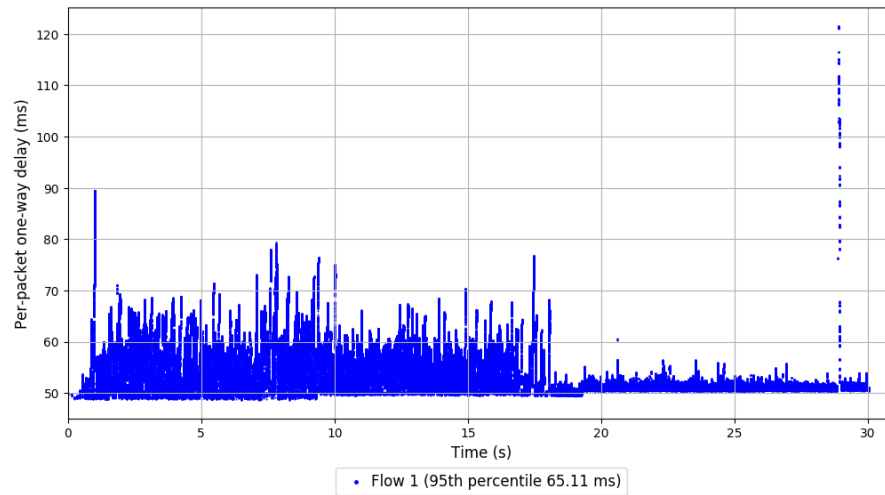
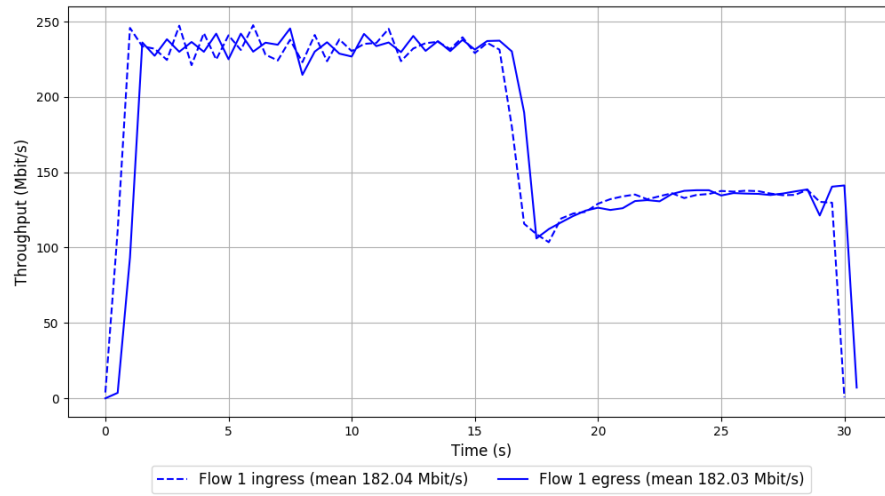
-- Flow 1:

Average throughput: 182.03 Mbit/s

95th percentile per-packet one-way delay: 65.110 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-05-23 17:46:36

End at: 2018-05-23 17:47:06

Local clock offset: -0.043 ms

Remote clock offset: -0.36 ms

Below is generated by plot.py at 2018-05-23 19:42:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 161.64 Mbit/s

95th percentile per-packet one-way delay: 64.219 ms

Loss rate: 0.07%

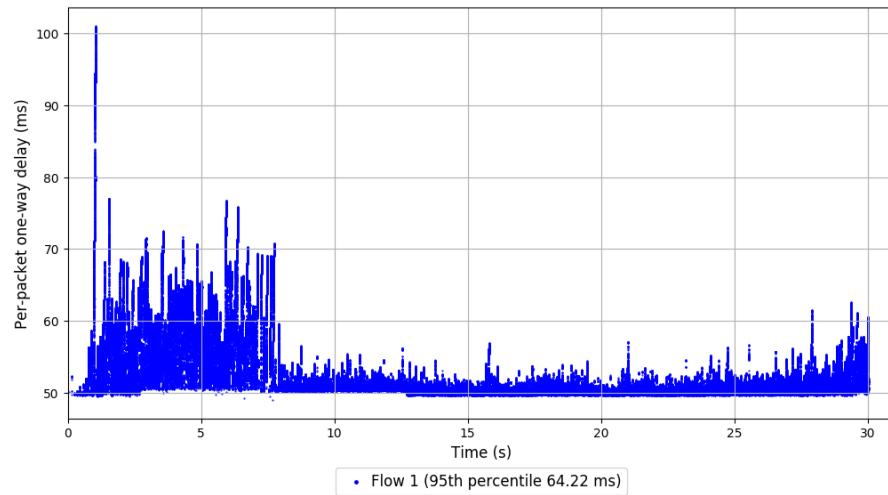
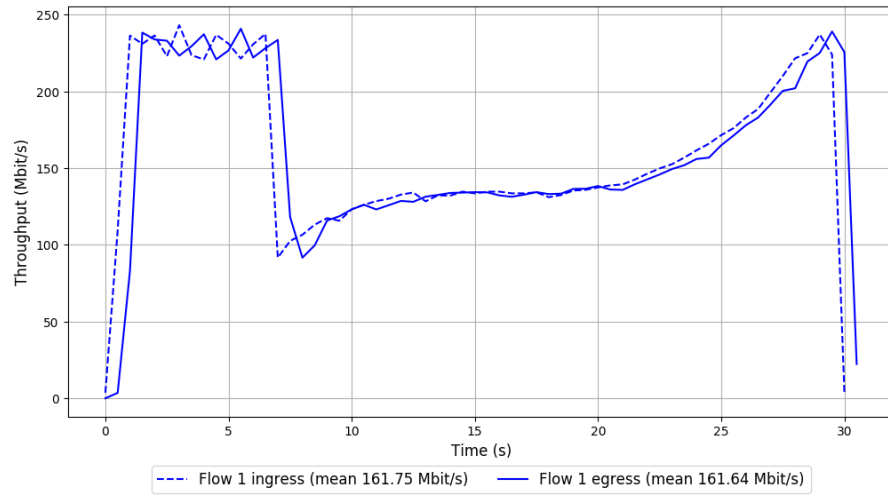
-- Flow 1:

Average throughput: 161.64 Mbit/s

95th percentile per-packet one-way delay: 64.219 ms

Loss rate: 0.07%

Run 6: Report of TCP Cubic — Data Link

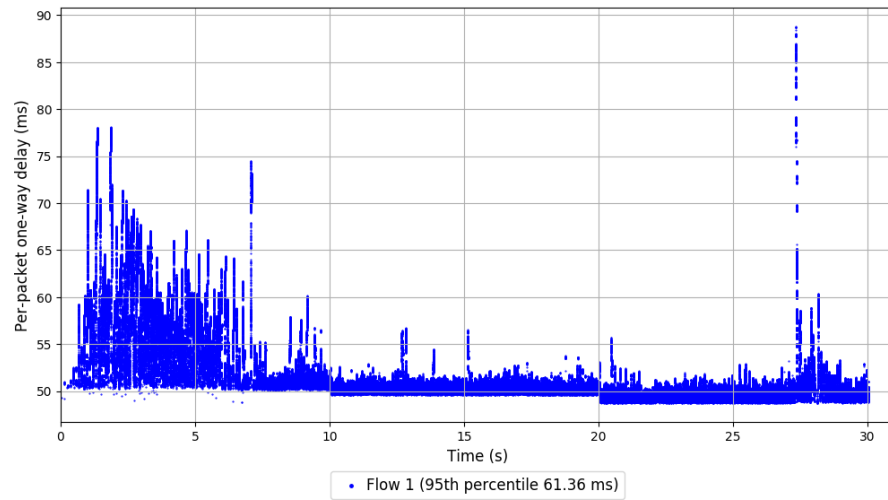
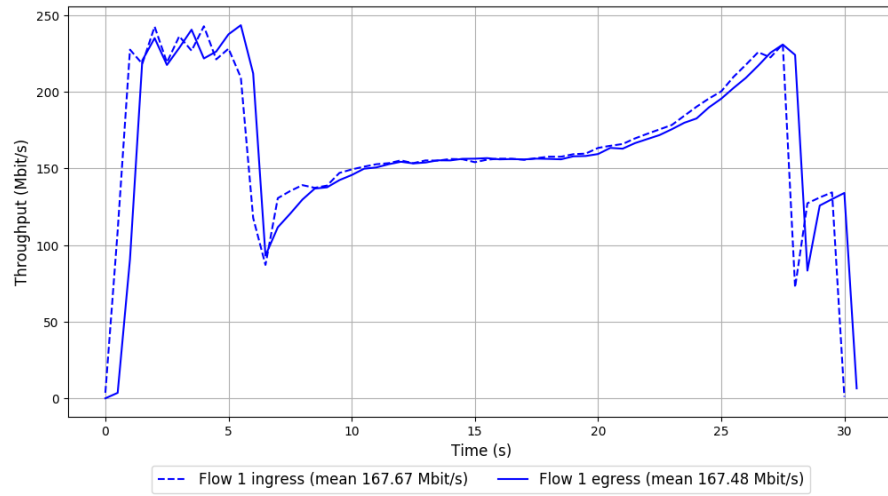


Run 7: Statistics of TCP Cubic

Start at: 2018-05-23 18:06:28
End at: 2018-05-23 18:06:58
Local clock offset: -0.063 ms
Remote clock offset: -0.538 ms

Below is generated by plot.py at 2018-05-23 19:42:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 167.48 Mbit/s
95th percentile per-packet one-way delay: 61.362 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 167.48 Mbit/s
95th percentile per-packet one-way delay: 61.362 ms
Loss rate: 0.11%

Run 7: Report of TCP Cubic — Data Link

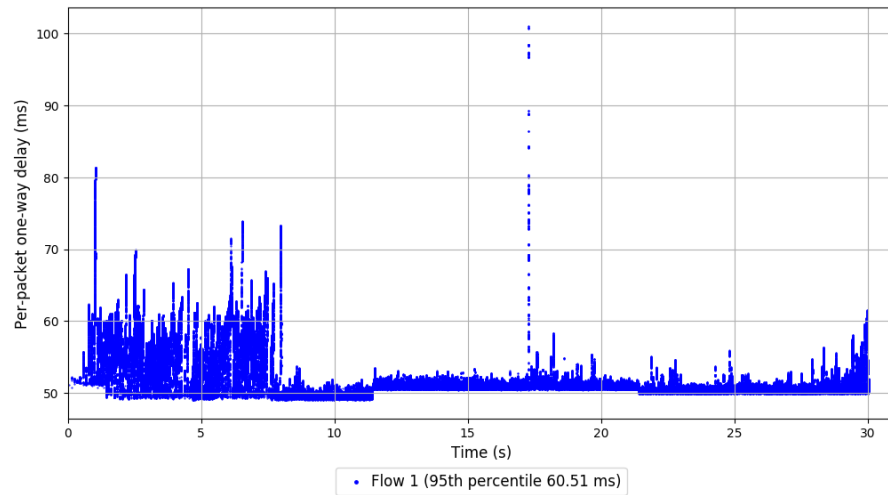
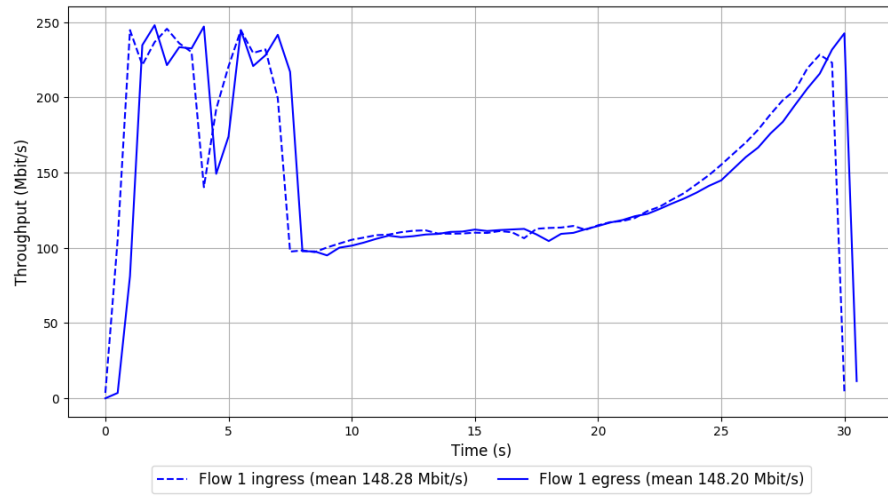


Run 8: Statistics of TCP Cubic

Start at: 2018-05-23 18:26:17
End at: 2018-05-23 18:26:47
Local clock offset: -0.445 ms
Remote clock offset: -0.719 ms

Below is generated by plot.py at 2018-05-23 19:42:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 148.20 Mbit/s
95th percentile per-packet one-way delay: 60.505 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 148.20 Mbit/s
95th percentile per-packet one-way delay: 60.505 ms
Loss rate: 0.06%

Run 8: Report of TCP Cubic — Data Link

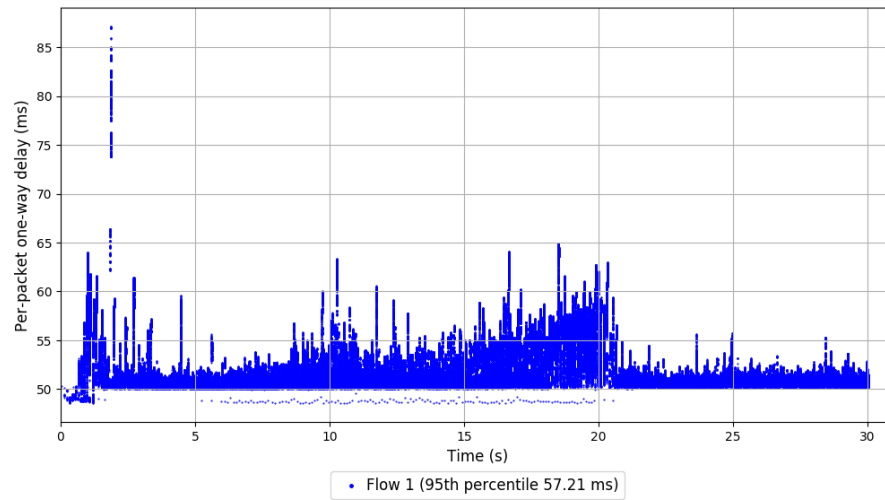
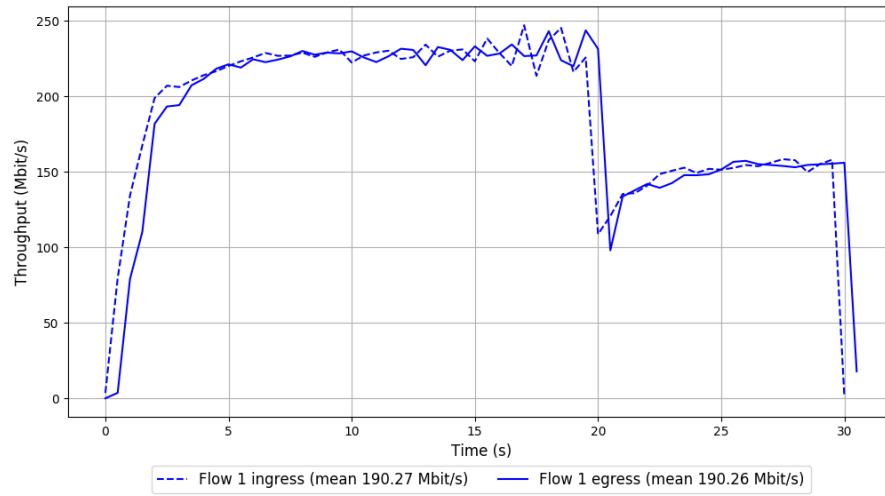


Run 9: Statistics of TCP Cubic

Start at: 2018-05-23 18:46:07
End at: 2018-05-23 18:46:37
Local clock offset: -0.001 ms
Remote clock offset: -0.956 ms

Below is generated by plot.py at 2018-05-23 19:43:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 190.26 Mbit/s
95th percentile per-packet one-way delay: 57.210 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 190.26 Mbit/s
95th percentile per-packet one-way delay: 57.210 ms
Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-05-23 19:06:02

End at: 2018-05-23 19:06:32

Local clock offset: -0.026 ms

Remote clock offset: -0.981 ms

Below is generated by plot.py at 2018-05-23 19:43:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 146.09 Mbit/s

95th percentile per-packet one-way delay: 53.947 ms

Loss rate: 0.06%

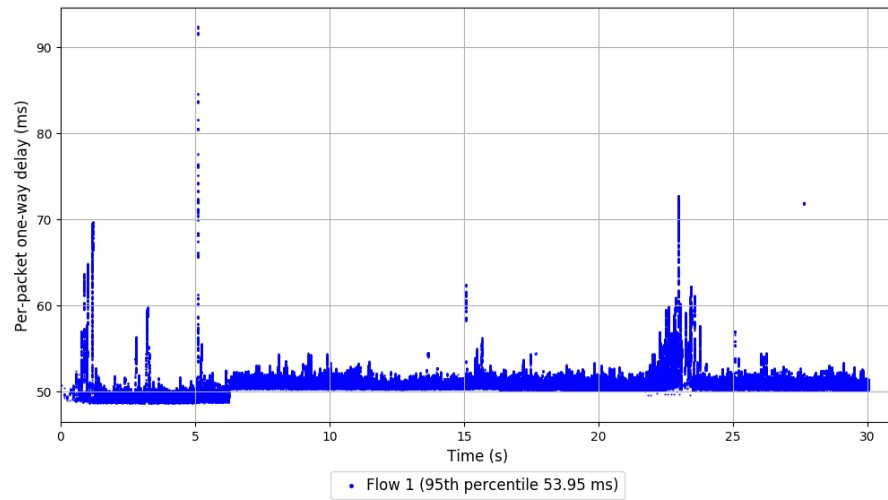
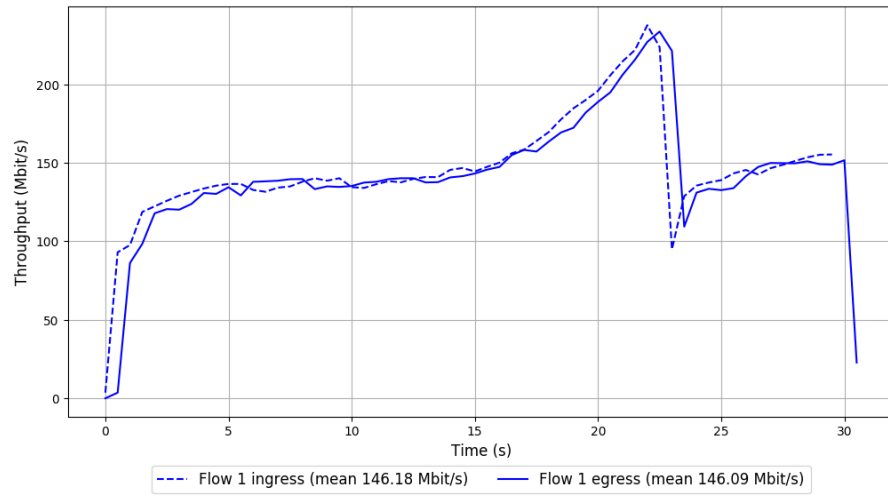
-- Flow 1:

Average throughput: 146.09 Mbit/s

95th percentile per-packet one-way delay: 53.947 ms

Loss rate: 0.06%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-05-23 16:22:59

End at: 2018-05-23 16:23:29

Local clock offset: -0.003 ms

Remote clock offset: 0.308 ms

Below is generated by plot.py at 2018-05-23 19:54:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 664.80 Mbit/s

95th percentile per-packet one-way delay: 138.845 ms

Loss rate: 6.06%

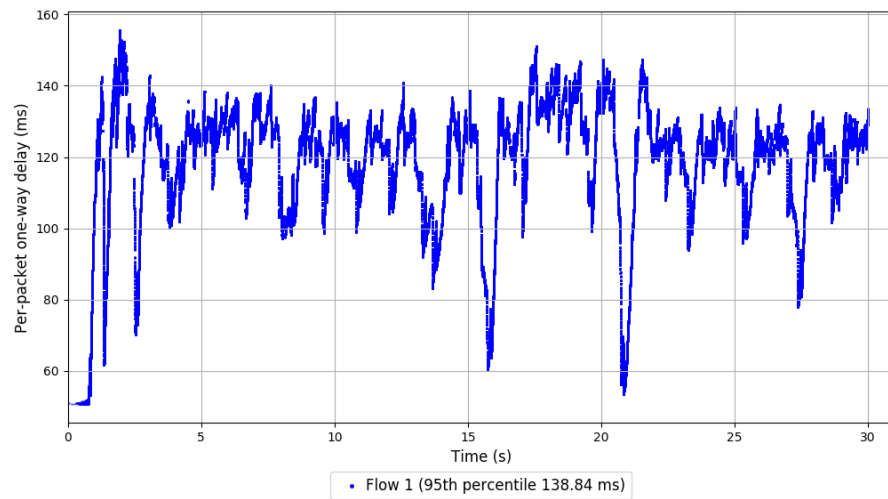
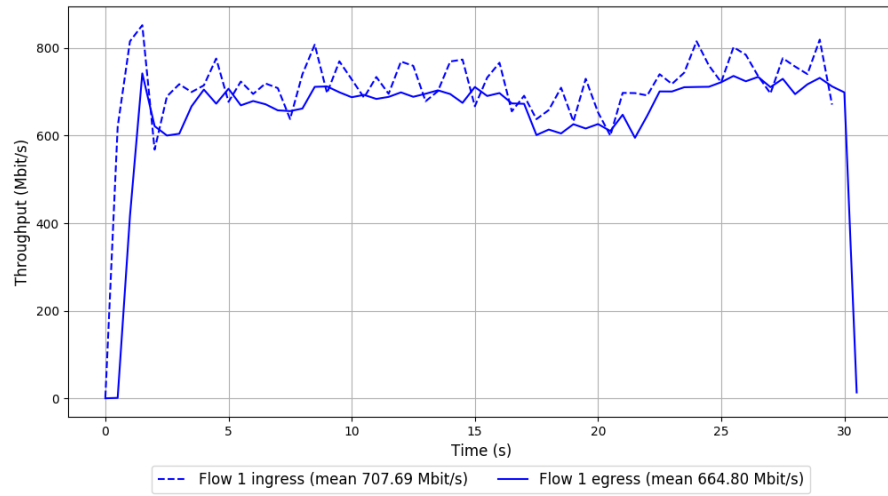
-- Flow 1:

Average throughput: 664.80 Mbit/s

95th percentile per-packet one-way delay: 138.845 ms

Loss rate: 6.06%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-05-23 16:43:02

End at: 2018-05-23 16:43:32

Local clock offset: 0.051 ms

Remote clock offset: 0.658 ms

Below is generated by plot.py at 2018-05-23 19:54:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 593.80 Mbit/s

95th percentile per-packet one-way delay: 162.104 ms

Loss rate: 5.17%

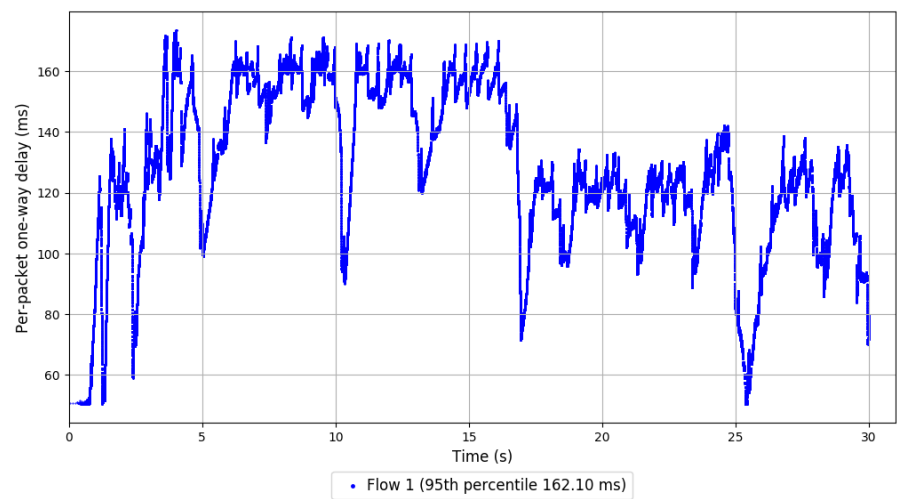
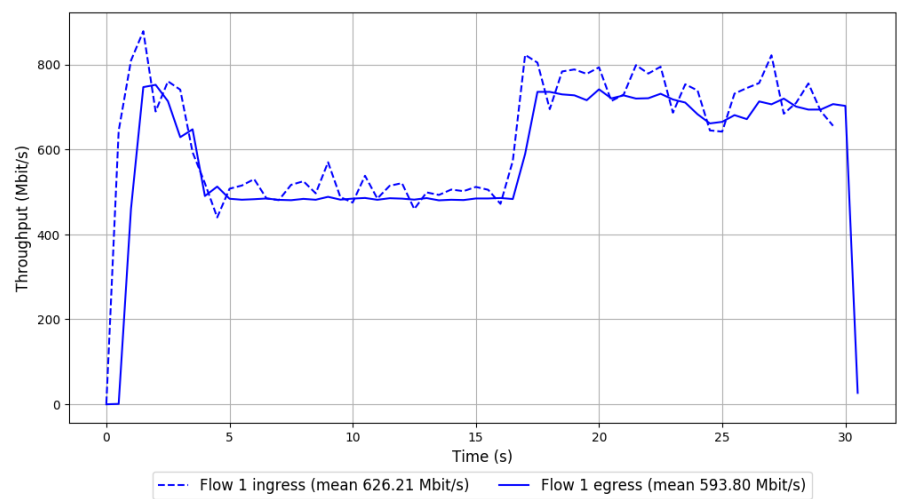
-- Flow 1:

Average throughput: 593.80 Mbit/s

95th percentile per-packet one-way delay: 162.104 ms

Loss rate: 5.17%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-05-23 17:02:48

End at: 2018-05-23 17:03:18

Local clock offset: 0.02 ms

Remote clock offset: 0.2 ms

Below is generated by plot.py at 2018-05-23 19:55:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 648.46 Mbit/s

95th percentile per-packet one-way delay: 153.558 ms

Loss rate: 5.38%

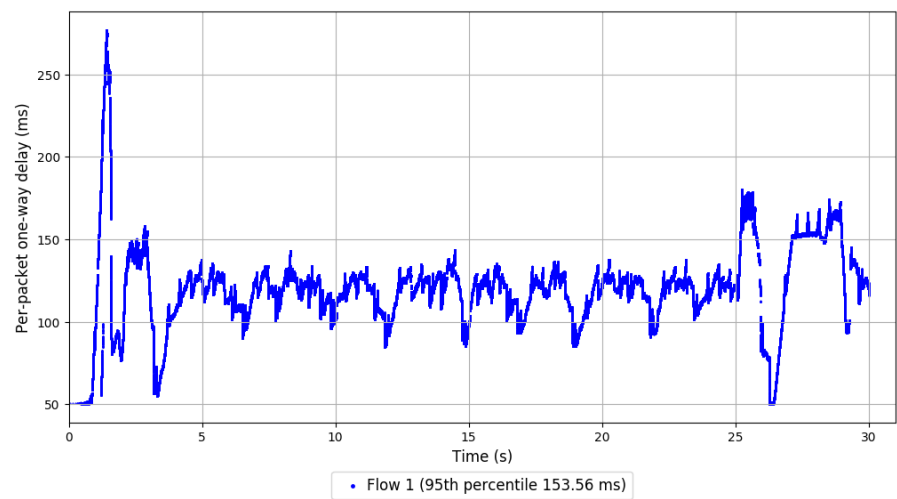
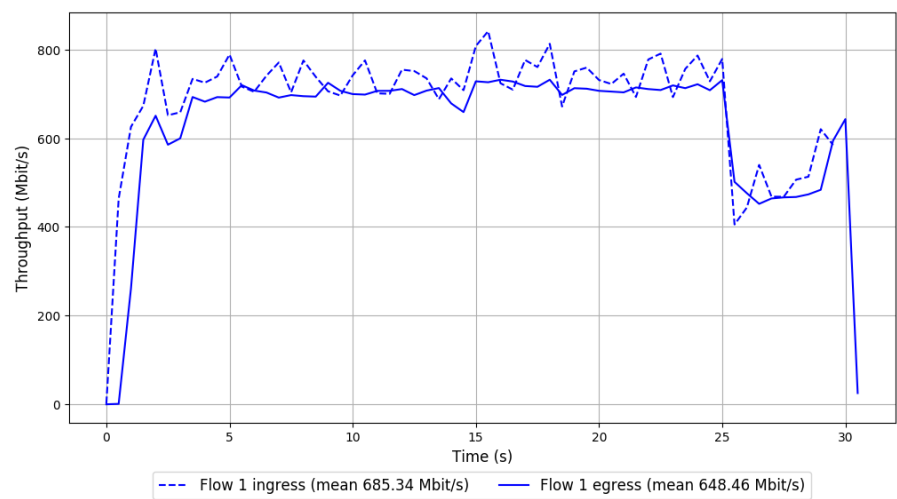
-- Flow 1:

Average throughput: 648.46 Mbit/s

95th percentile per-packet one-way delay: 153.558 ms

Loss rate: 5.38%

Run 3: Report of FillP — Data Link

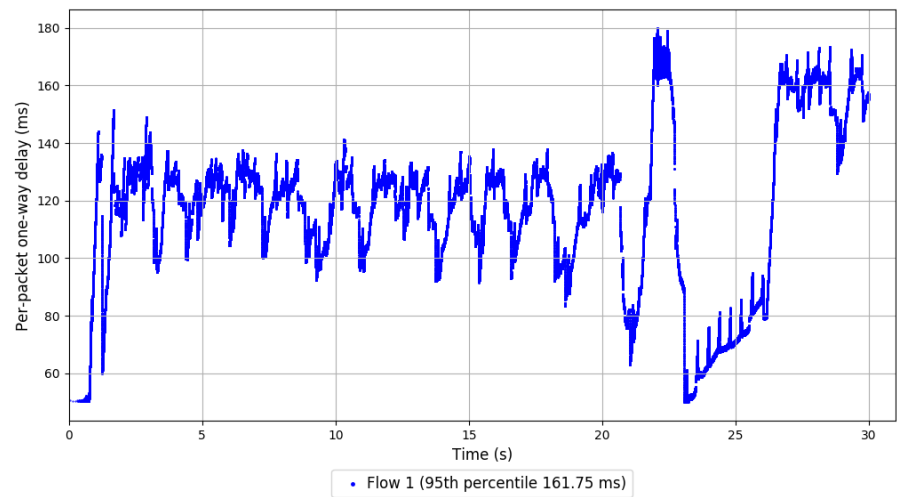
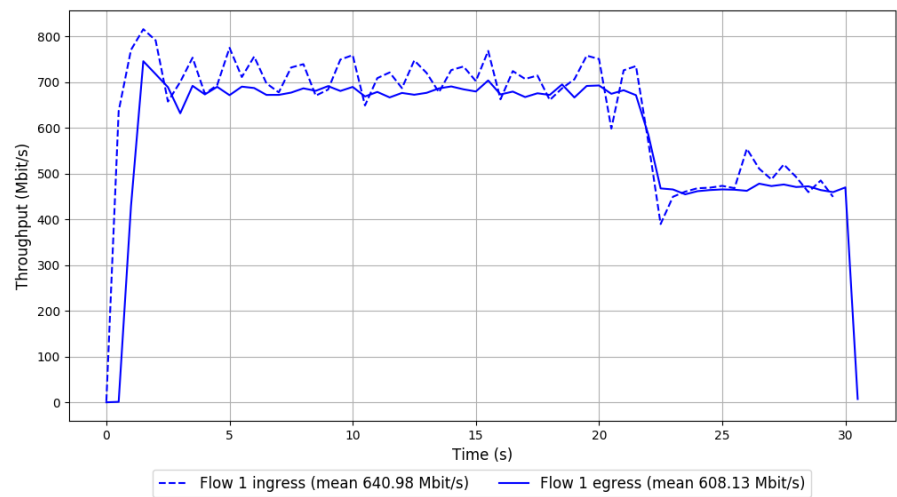


Run 4: Statistics of FillP

Start at: 2018-05-23 17:22:41
End at: 2018-05-23 17:23:11
Local clock offset: 0.372 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-05-23 19:55:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 608.13 Mbit/s
95th percentile per-packet one-way delay: 161.751 ms
Loss rate: 5.13%
-- Flow 1:
Average throughput: 608.13 Mbit/s
95th percentile per-packet one-way delay: 161.751 ms
Loss rate: 5.13%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-05-23 17:42:29

End at: 2018-05-23 17:42:59

Local clock offset: -0.019 ms

Remote clock offset: -0.36 ms

Below is generated by plot.py at 2018-05-23 19:55:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 648.98 Mbit/s

95th percentile per-packet one-way delay: 135.702 ms

Loss rate: 4.77%

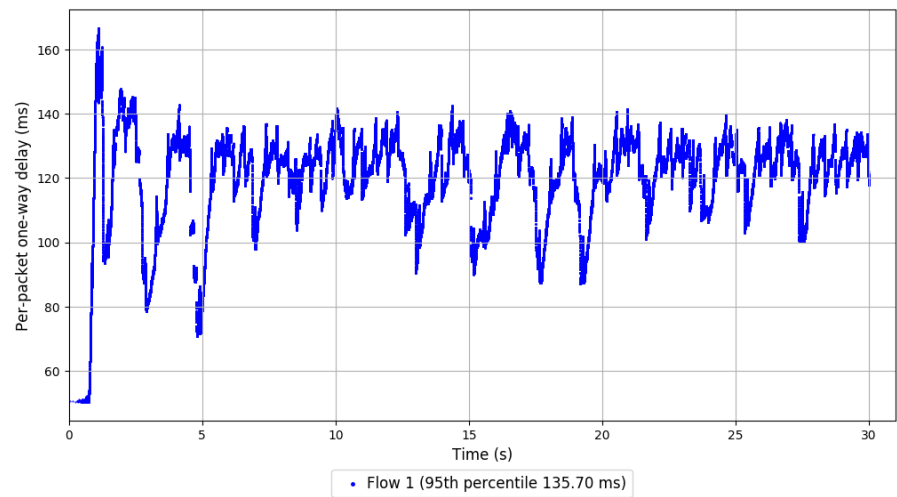
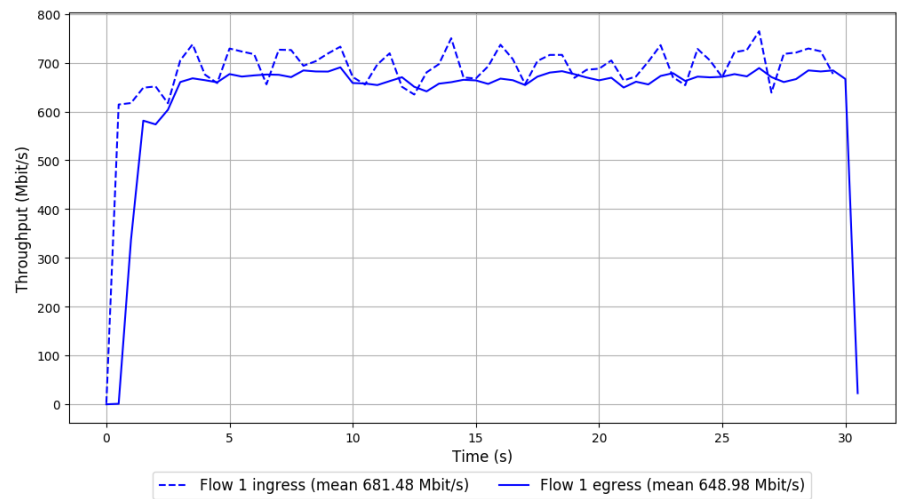
-- Flow 1:

Average throughput: 648.98 Mbit/s

95th percentile per-packet one-way delay: 135.702 ms

Loss rate: 4.77%

Run 5: Report of FillP — Data Link

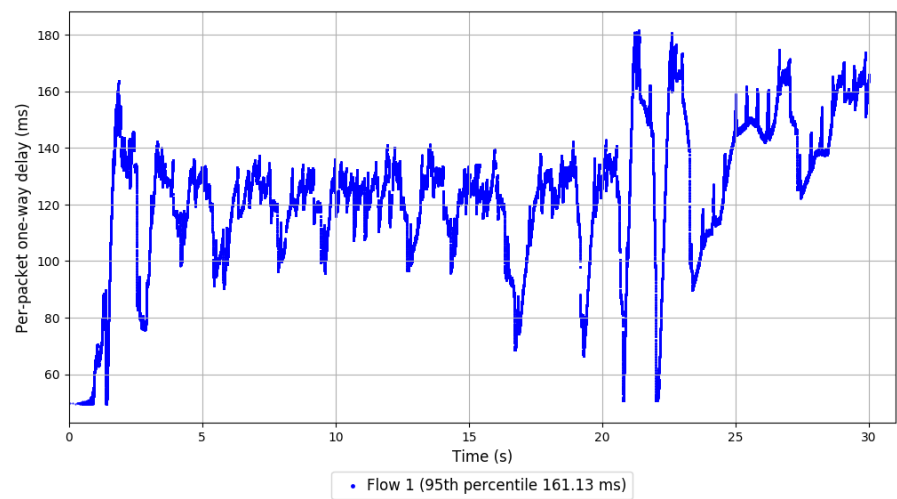
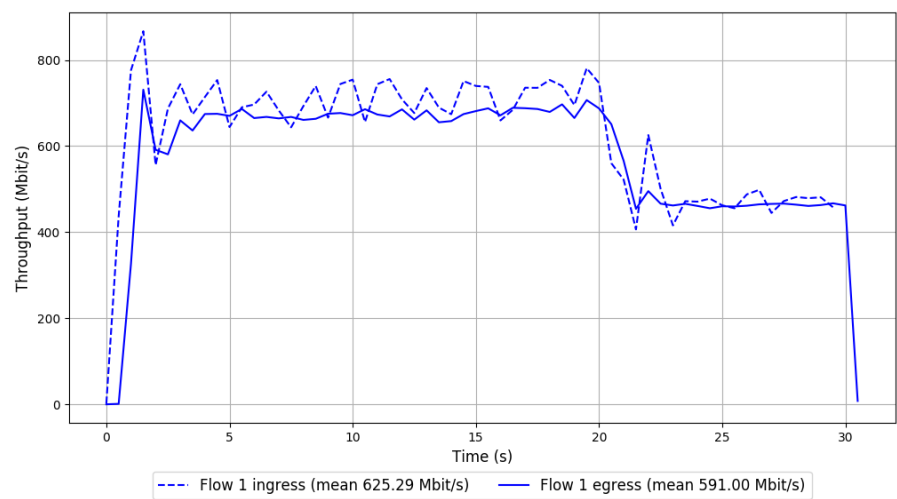


Run 6: Statistics of FillP

Start at: 2018-05-23 18:02:21
End at: 2018-05-23 18:02:52
Local clock offset: 0.003 ms
Remote clock offset: -0.445 ms

Below is generated by plot.py at 2018-05-23 19:55:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 591.00 Mbit/s
95th percentile per-packet one-way delay: 161.135 ms
Loss rate: 5.48%
-- Flow 1:
Average throughput: 591.00 Mbit/s
95th percentile per-packet one-way delay: 161.135 ms
Loss rate: 5.48%

Run 6: Report of FillP — Data Link

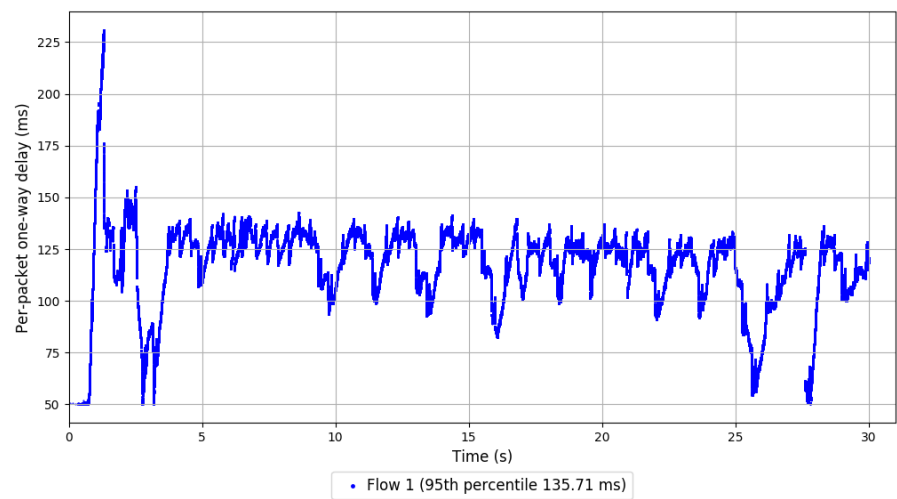
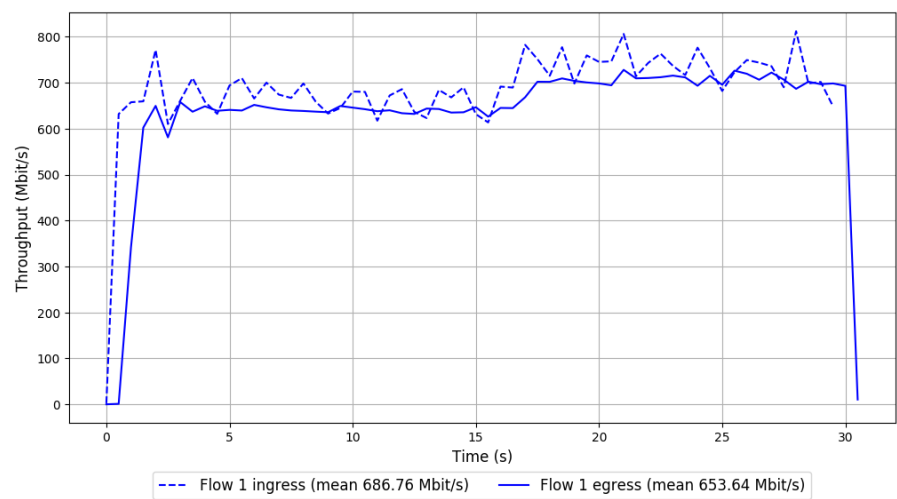


Run 7: Statistics of FillP

Start at: 2018-05-23 18:22:12
End at: 2018-05-23 18:22:42
Local clock offset: 0.33 ms
Remote clock offset: -0.604 ms

Below is generated by plot.py at 2018-05-23 19:56:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 653.64 Mbit/s
95th percentile per-packet one-way delay: 135.705 ms
Loss rate: 4.82%
-- Flow 1:
Average throughput: 653.64 Mbit/s
95th percentile per-packet one-way delay: 135.705 ms
Loss rate: 4.82%

Run 7: Report of FillP — Data Link

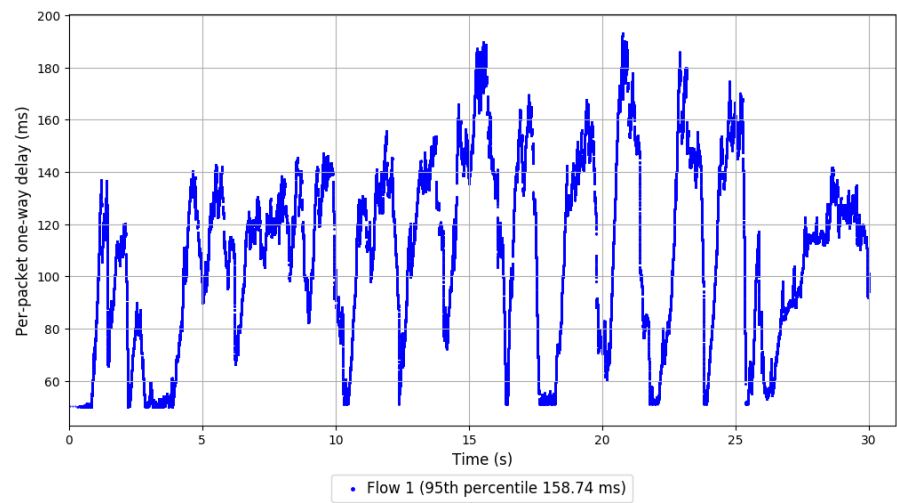
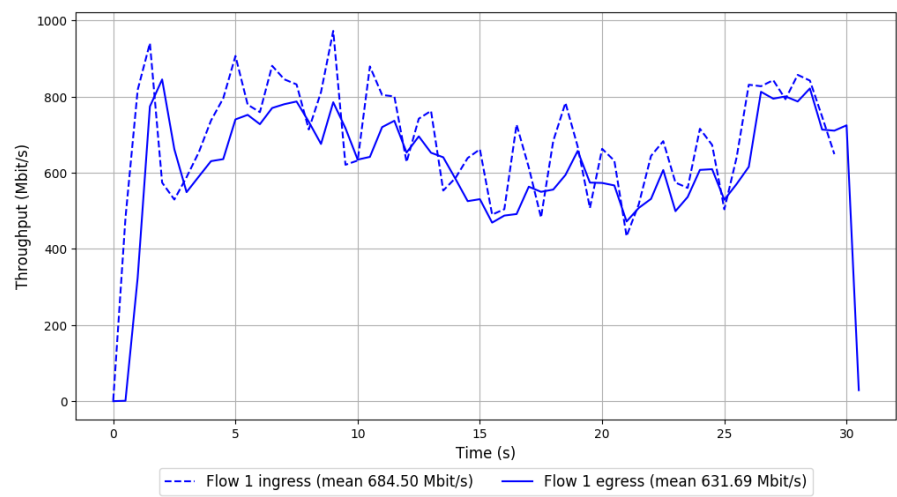


Run 8: Statistics of FillP

Start at: 2018-05-23 18:42:02
End at: 2018-05-23 18:42:32
Local clock offset: -0.421 ms
Remote clock offset: -0.766 ms

Below is generated by plot.py at 2018-05-23 19:56:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 631.69 Mbit/s
95th percentile per-packet one-way delay: 158.739 ms
Loss rate: 7.71%
-- Flow 1:
Average throughput: 631.69 Mbit/s
95th percentile per-packet one-way delay: 158.739 ms
Loss rate: 7.71%

Run 8: Report of FillP — Data Link

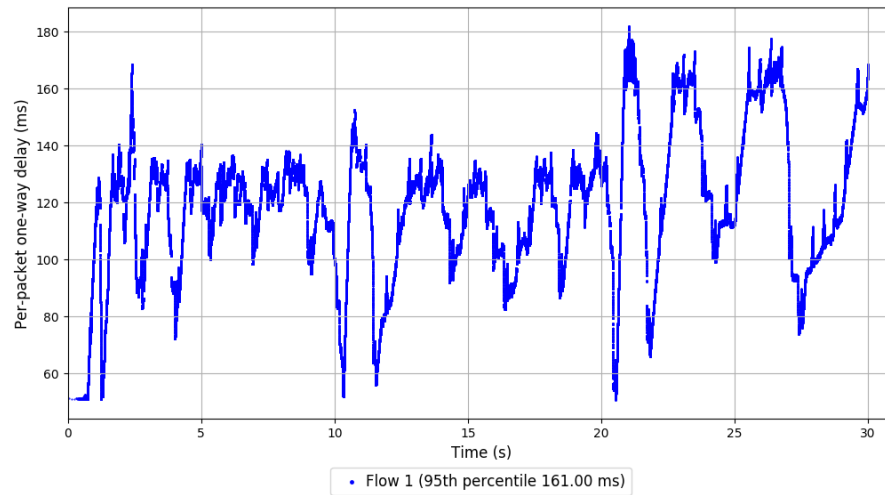
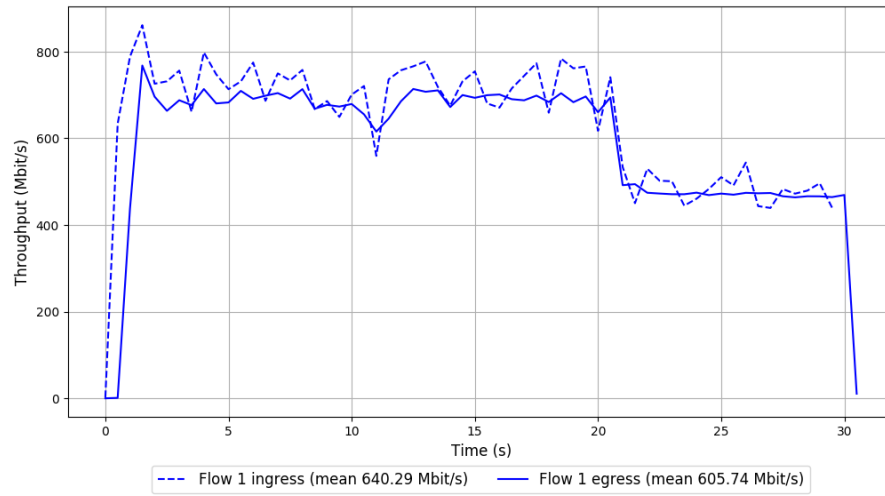


Run 9: Statistics of FillP

Start at: 2018-05-23 19:01:59
End at: 2018-05-23 19:02:29
Local clock offset: -0.39 ms
Remote clock offset: -0.885 ms

Below is generated by plot.py at 2018-05-23 20:06:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 605.74 Mbit/s
95th percentile per-packet one-way delay: 160.998 ms
Loss rate: 5.39%
-- Flow 1:
Average throughput: 605.74 Mbit/s
95th percentile per-packet one-way delay: 160.998 ms
Loss rate: 5.39%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-05-23 19:21:58

End at: 2018-05-23 19:22:28

Local clock offset: 0.008 ms

Remote clock offset: -0.971 ms

Below is generated by plot.py at 2018-05-23 20:07:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 622.01 Mbit/s

95th percentile per-packet one-way delay: 140.501 ms

Loss rate: 5.24%

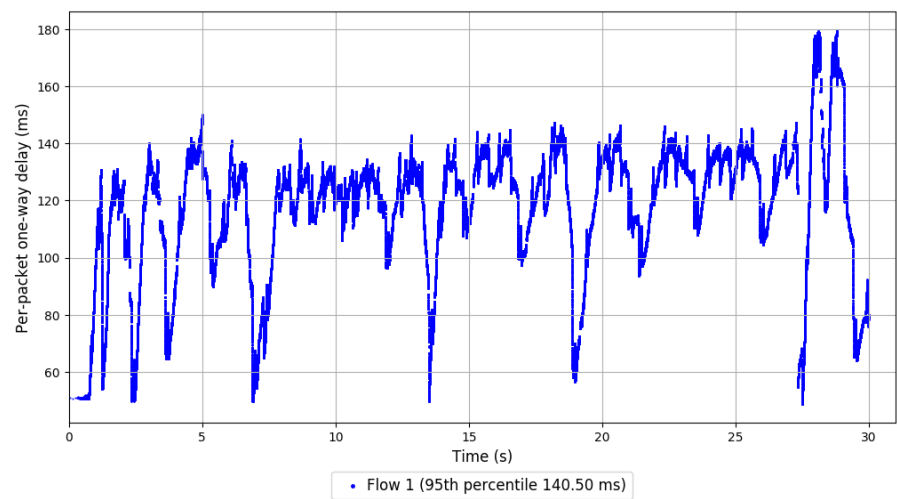
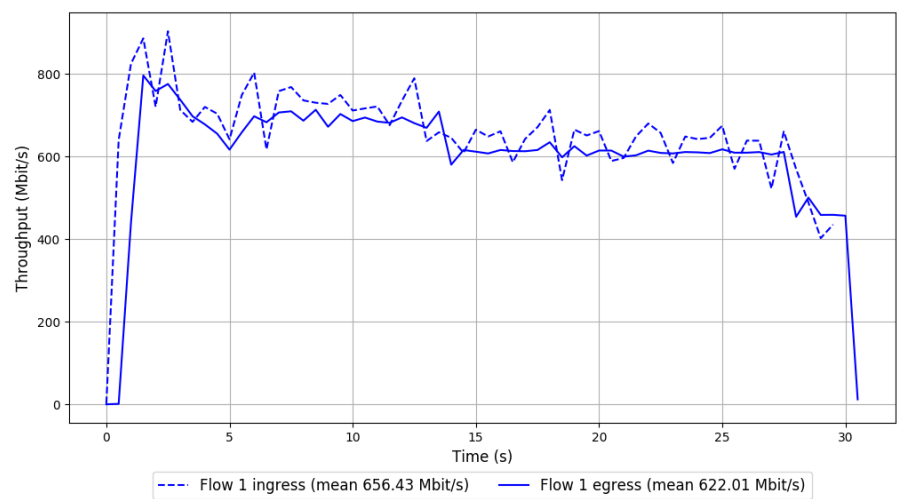
-- Flow 1:

Average throughput: 622.01 Mbit/s

95th percentile per-packet one-way delay: 140.501 ms

Loss rate: 5.24%

Run 10: Report of FillP — Data Link

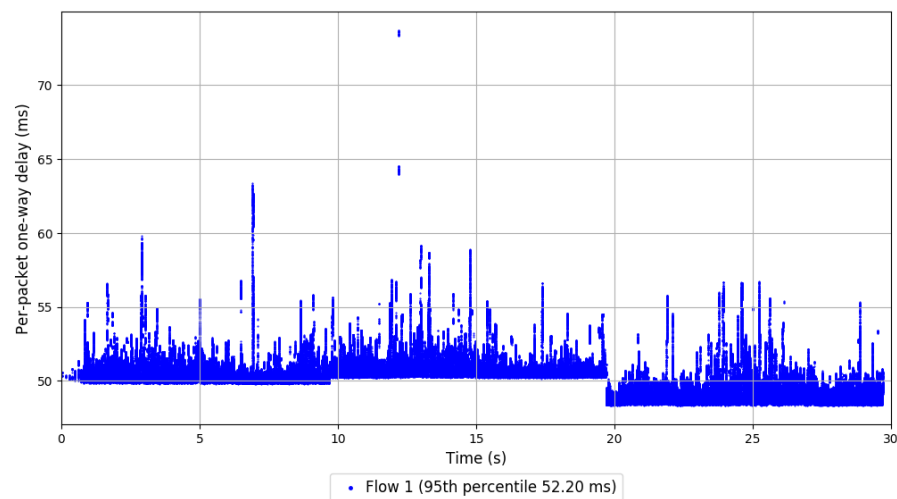
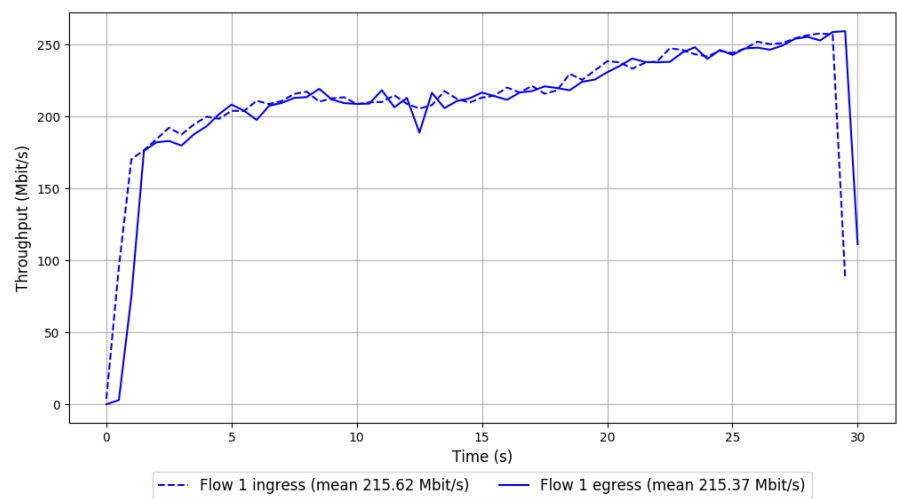


```
Run 1: Statistics of Indigo

Start at: 2018-05-23 16:25:48
End at: 2018-05-23 16:26:18
Local clock offset: 0.371 ms
Remote clock offset: 0.367 ms

# Below is generated by plot.py at 2018-05-23 20:07:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 215.37 Mbit/s
95th percentile per-packet one-way delay: 52.198 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 215.37 Mbit/s
95th percentile per-packet one-way delay: 52.198 ms
Loss rate: 0.12%
```


Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-05-23 16:45:47

End at: 2018-05-23 16:46:17

Local clock offset: 0.027 ms

Remote clock offset: 0.823 ms

Below is generated by plot.py at 2018-05-23 20:07:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.28 Mbit/s

95th percentile per-packet one-way delay: 53.124 ms

Loss rate: 0.00%

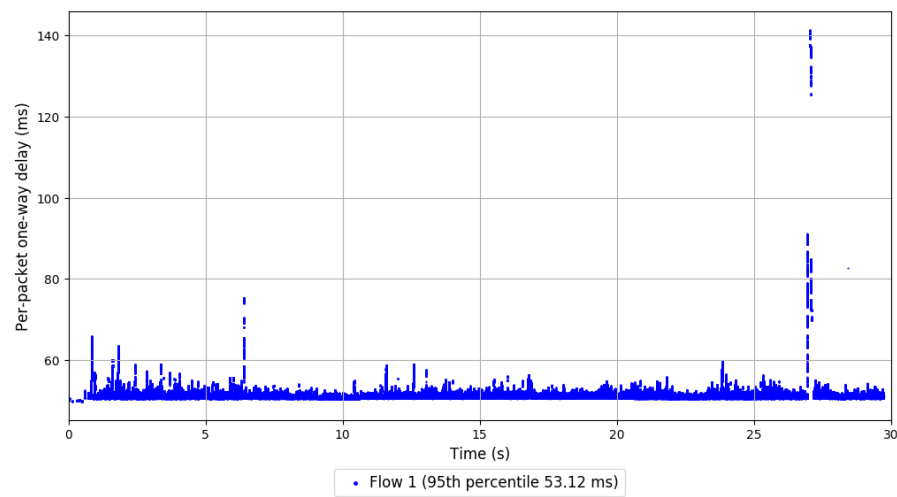
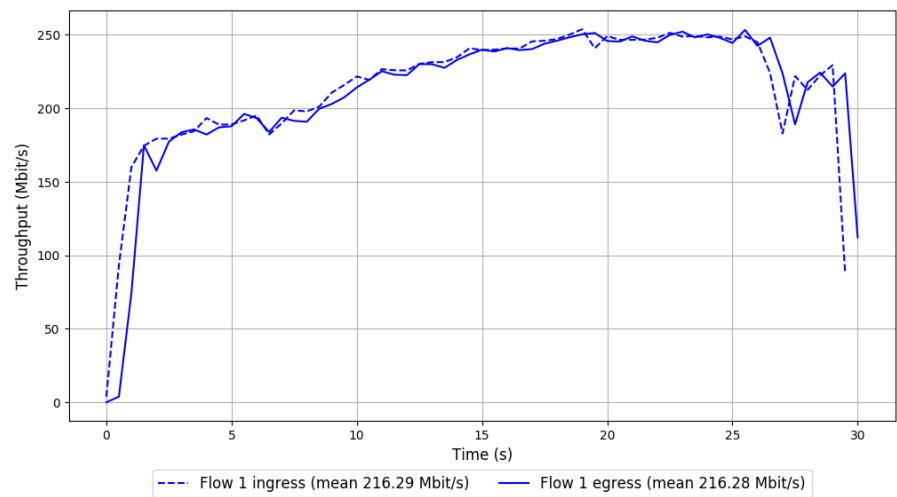
-- Flow 1:

Average throughput: 216.28 Mbit/s

95th percentile per-packet one-way delay: 53.124 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-05-23 17:05:38

End at: 2018-05-23 17:06:08

Local clock offset: 0.014 ms

Remote clock offset: 0.137 ms

Below is generated by plot.py at 2018-05-23 20:07:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.26 Mbit/s

95th percentile per-packet one-way delay: 54.402 ms

Loss rate: 0.00%

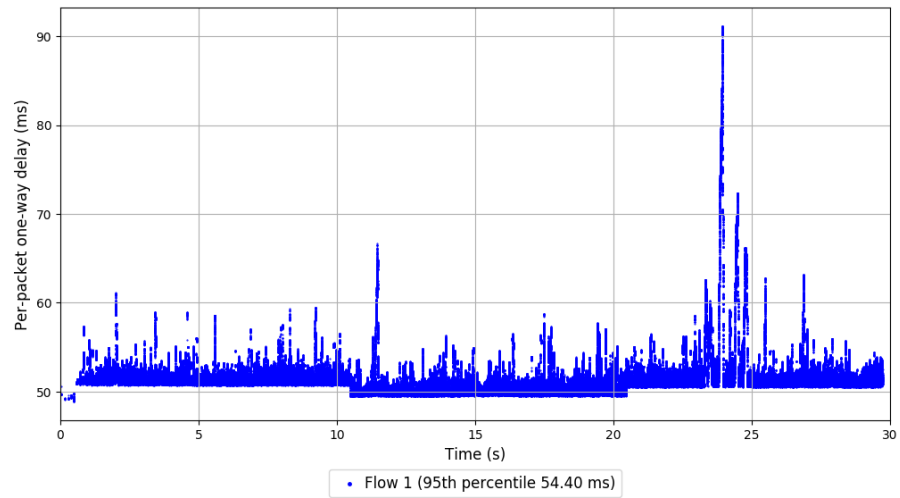
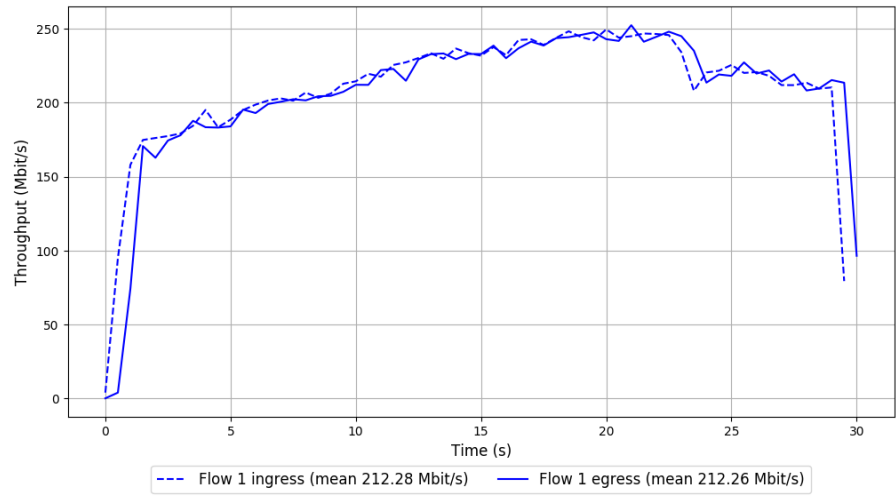
-- Flow 1:

Average throughput: 212.26 Mbit/s

95th percentile per-packet one-way delay: 54.402 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

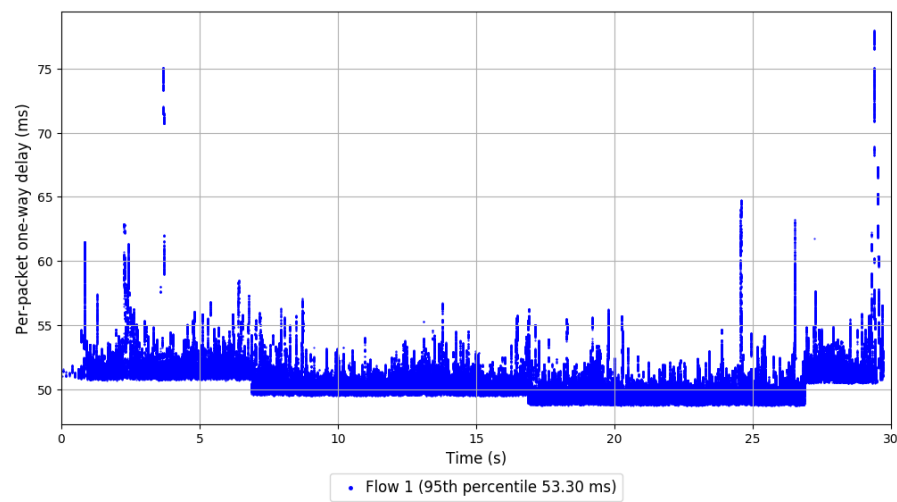
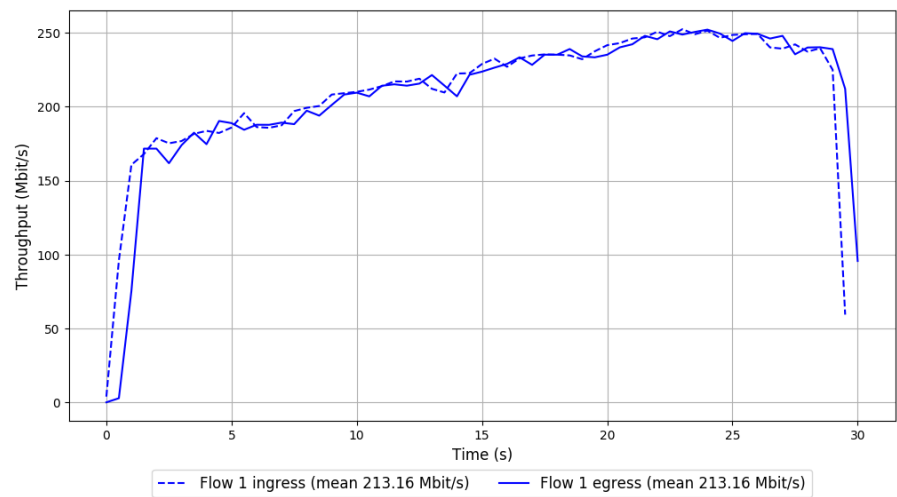


Run 4: Statistics of Indigo

Start at: 2018-05-23 17:25:31
End at: 2018-05-23 17:26:01
Local clock offset: 0.02 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-05-23 20:07:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.16 Mbit/s
95th percentile per-packet one-way delay: 53.303 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 213.16 Mbit/s
95th percentile per-packet one-way delay: 53.303 ms
Loss rate: 0.01%

Run 4: Report of Indigo — Data Link

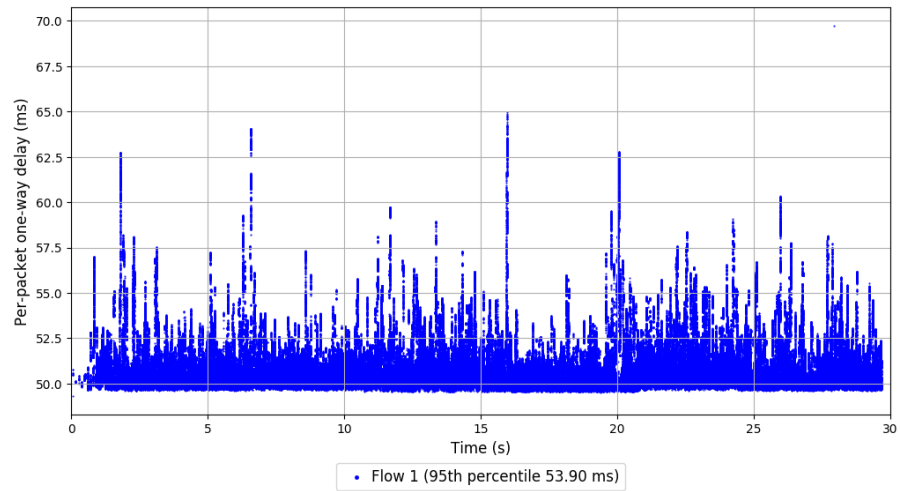
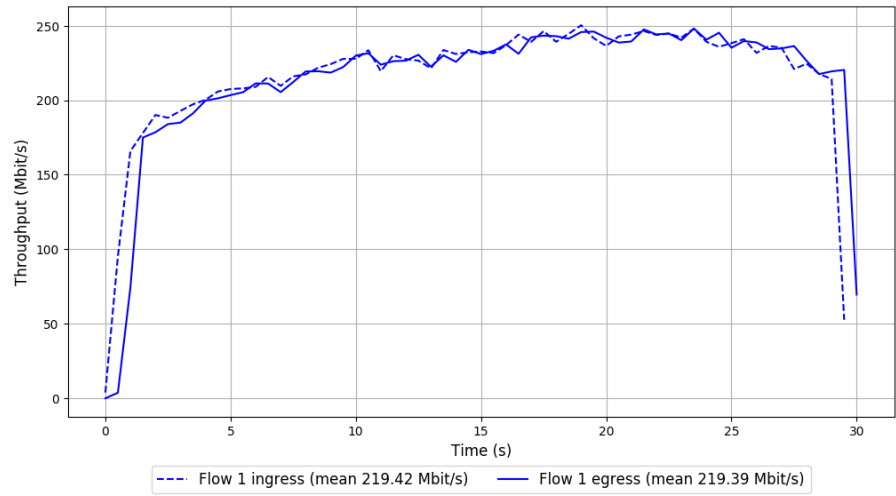


Run 5: Statistics of Indigo

Start at: 2018-05-23 17:45:17
End at: 2018-05-23 17:45:47
Local clock offset: -0.067 ms
Remote clock offset: -0.311 ms

Below is generated by plot.py at 2018-05-23 20:07:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.39 Mbit/s
95th percentile per-packet one-way delay: 53.901 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 219.39 Mbit/s
95th percentile per-packet one-way delay: 53.901 ms
Loss rate: 0.01%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-05-23 18:05:10

End at: 2018-05-23 18:05:40

Local clock offset: -0.059 ms

Remote clock offset: -0.46 ms

Below is generated by plot.py at 2018-05-23 20:07:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.78 Mbit/s

95th percentile per-packet one-way delay: 52.404 ms

Loss rate: 0.00%

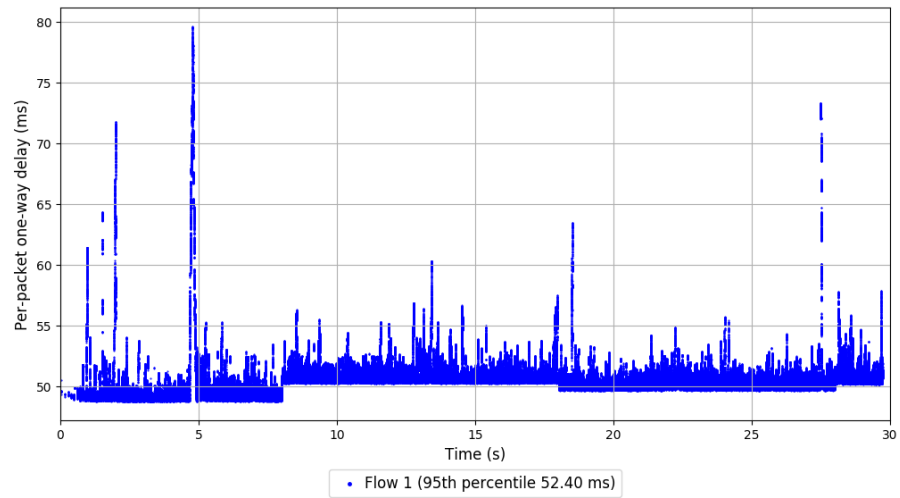
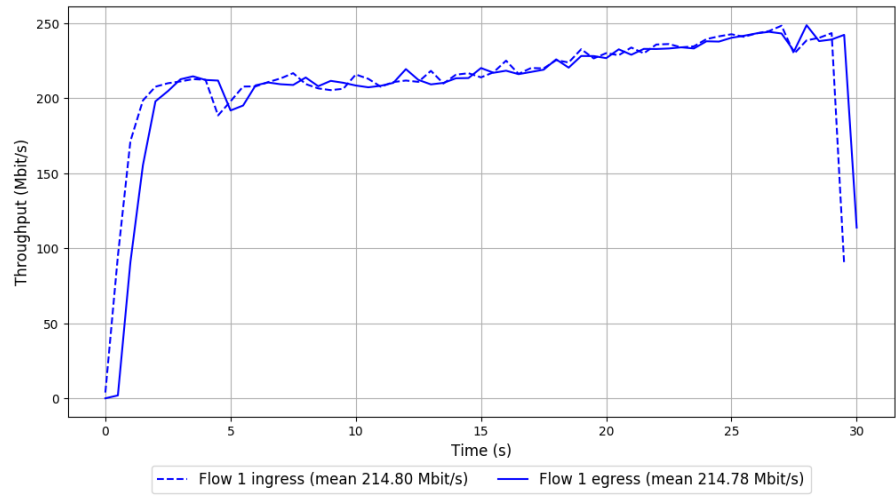
-- Flow 1:

Average throughput: 214.78 Mbit/s

95th percentile per-packet one-way delay: 52.404 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

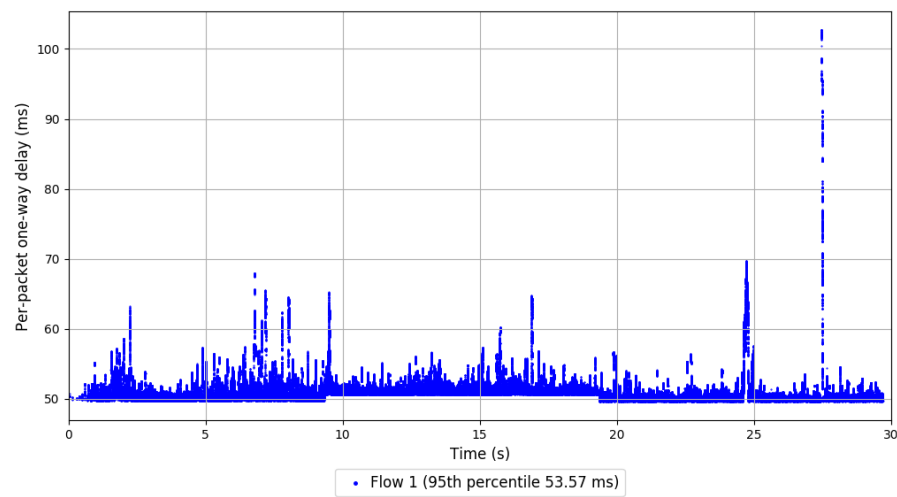
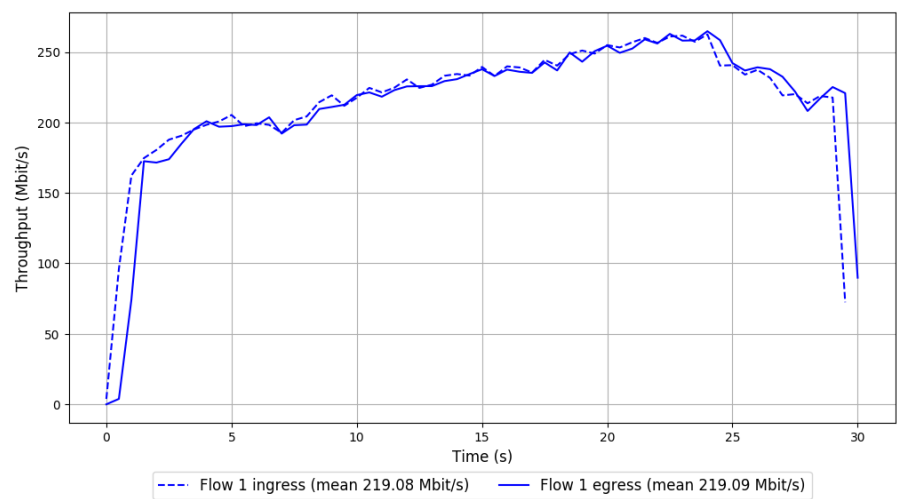


Run 7: Statistics of Indigo

Start at: 2018-05-23 18:24:59
End at: 2018-05-23 18:25:29
Local clock offset: -0.067 ms
Remote clock offset: -0.589 ms

Below is generated by plot.py at 2018-05-23 20:07:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.09 Mbit/s
95th percentile per-packet one-way delay: 53.574 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 219.09 Mbit/s
95th percentile per-packet one-way delay: 53.574 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

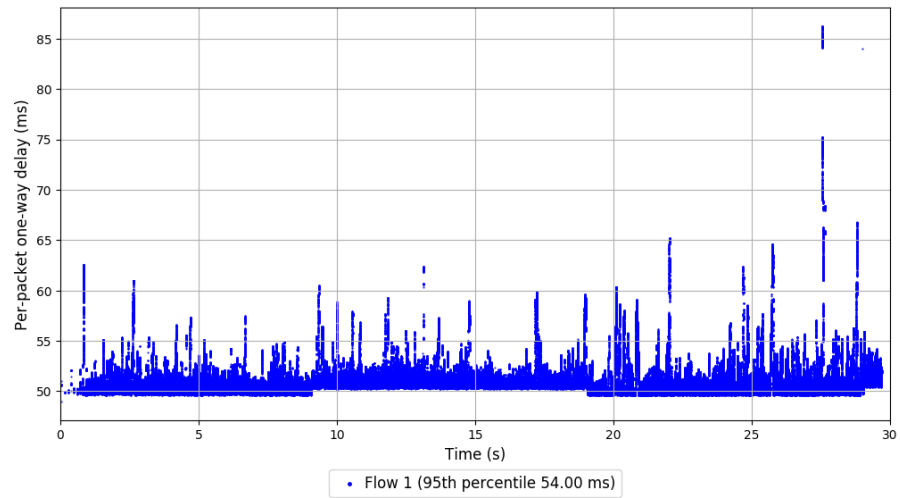
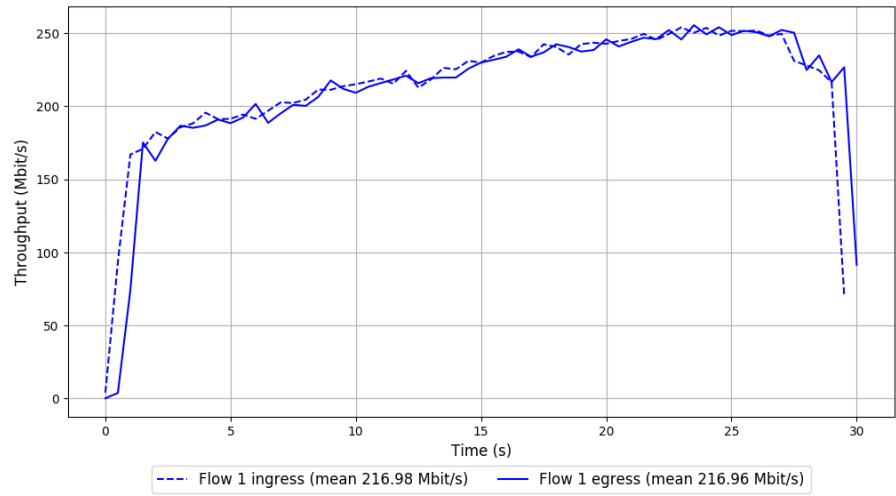


Run 8: Statistics of Indigo

Start at: 2018-05-23 18:44:49
End at: 2018-05-23 18:45:19
Local clock offset: -0.041 ms
Remote clock offset: -0.752 ms

Below is generated by plot.py at 2018-05-23 20:07:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.96 Mbit/s
95th percentile per-packet one-way delay: 54.004 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 216.96 Mbit/s
95th percentile per-packet one-way delay: 54.004 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

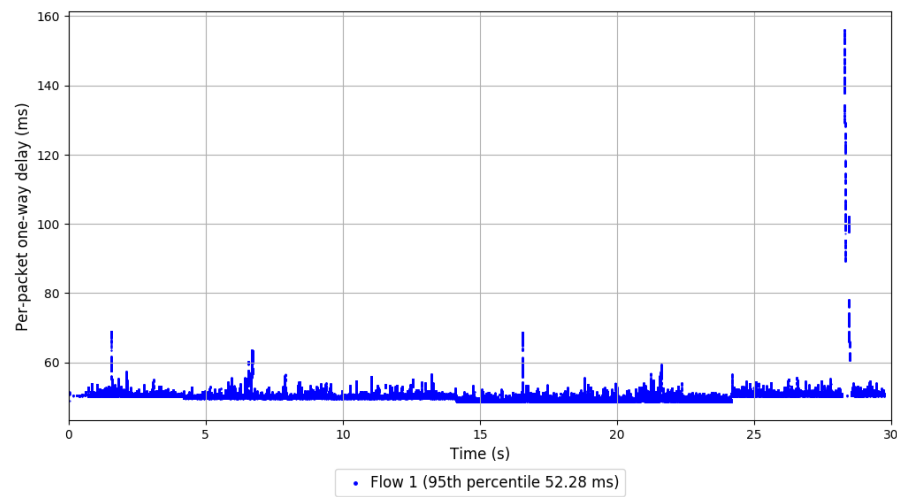
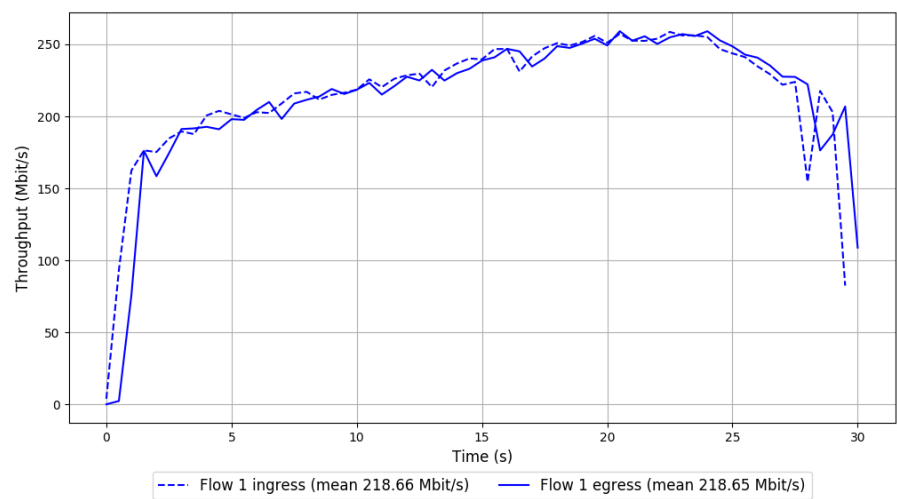


Run 9: Statistics of Indigo

Start at: 2018-05-23 19:04:44
End at: 2018-05-23 19:05:14
Local clock offset: 0.001 ms
Remote clock offset: -0.995 ms

Below is generated by plot.py at 2018-05-23 20:07:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 218.65 Mbit/s
95th percentile per-packet one-way delay: 52.277 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 218.65 Mbit/s
95th percentile per-packet one-way delay: 52.277 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-05-23 19:24:47

End at: 2018-05-23 19:25:17

Local clock offset: -0.41 ms

Remote clock offset: -1.096 ms

Below is generated by plot.py at 2018-05-23 20:07:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.49 Mbit/s

95th percentile per-packet one-way delay: 53.571 ms

Loss rate: 0.00%

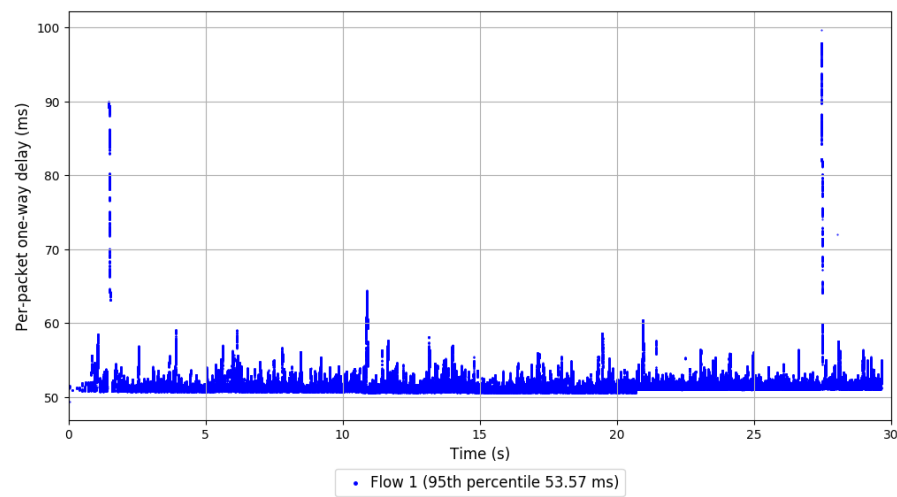
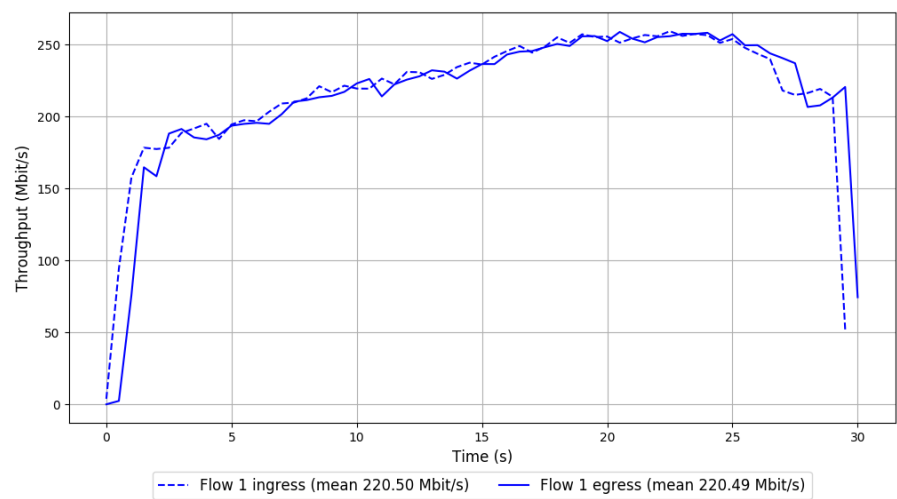
-- Flow 1:

Average throughput: 220.49 Mbit/s

95th percentile per-packet one-way delay: 53.571 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

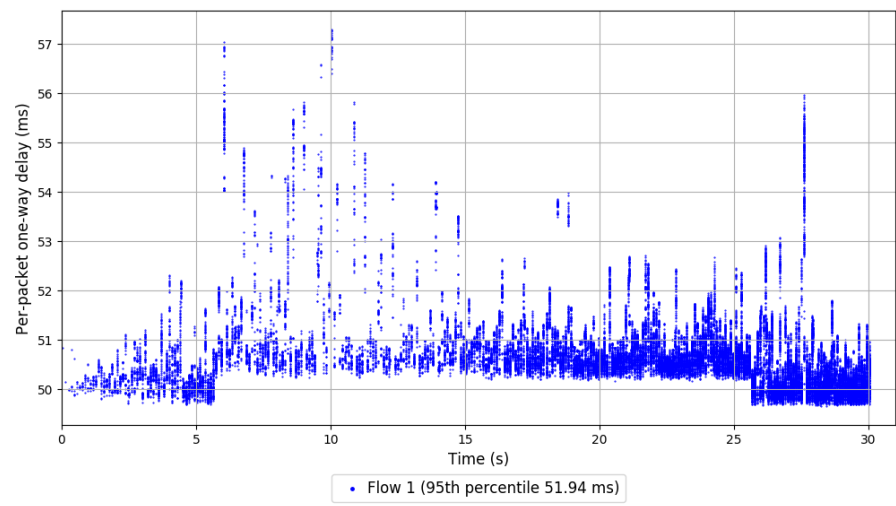
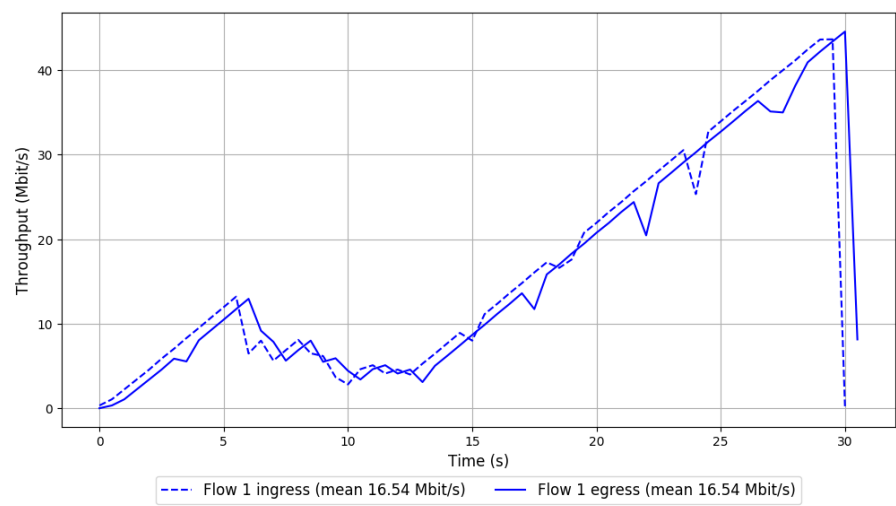


Run 1: Statistics of LEDBAT

Start at: 2018-05-23 16:12:13
End at: 2018-05-23 16:12:43
Local clock offset: 0.015 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-05-23 20:07:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 16.54 Mbit/s
95th percentile per-packet one-way delay: 51.943 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 16.54 Mbit/s
95th percentile per-packet one-way delay: 51.943 ms
Loss rate: 0.02%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-05-23 16:32:05

End at: 2018-05-23 16:32:35

Local clock offset: 0.39 ms

Remote clock offset: 0.555 ms

Below is generated by plot.py at 2018-05-23 20:07:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.97 Mbit/s

95th percentile per-packet one-way delay: 51.478 ms

Loss rate: 0.00%

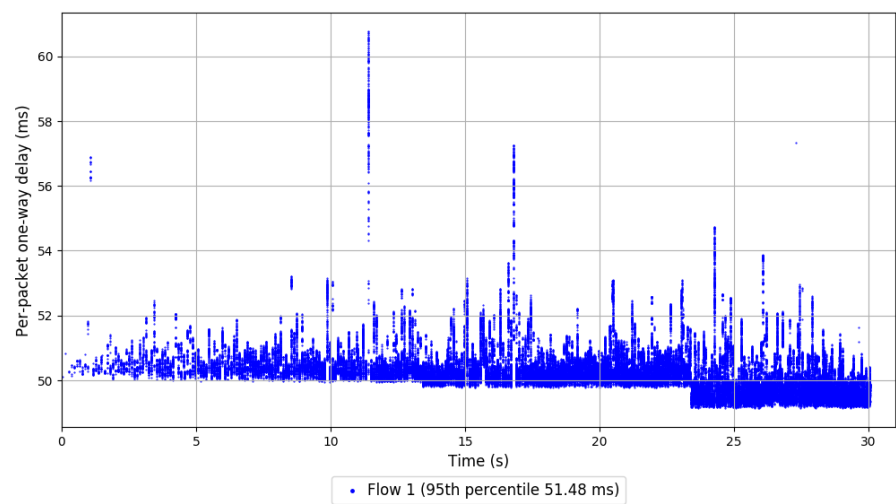
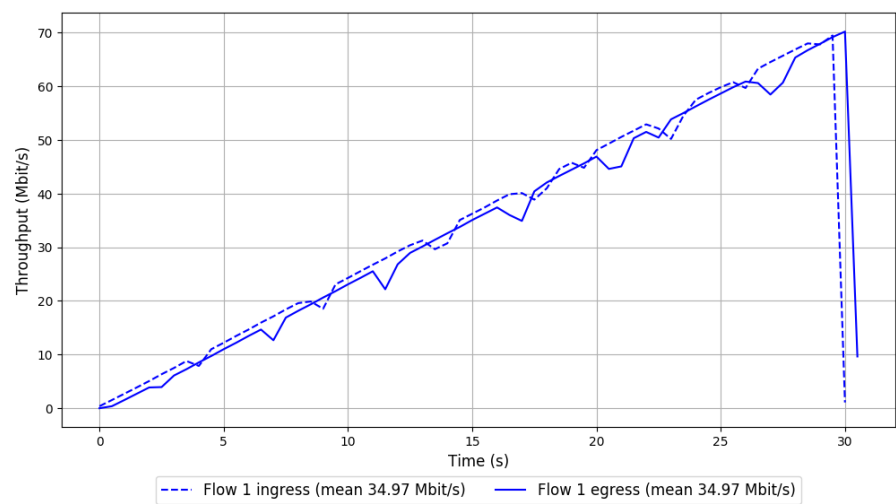
-- Flow 1:

Average throughput: 34.97 Mbit/s

95th percentile per-packet one-way delay: 51.478 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-05-23 16:51:57

End at: 2018-05-23 16:52:27

Local clock offset: 0.009 ms

Remote clock offset: 0.738 ms

Below is generated by plot.py at 2018-05-23 20:07:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.73 Mbit/s

95th percentile per-packet one-way delay: 52.441 ms

Loss rate: 0.00%

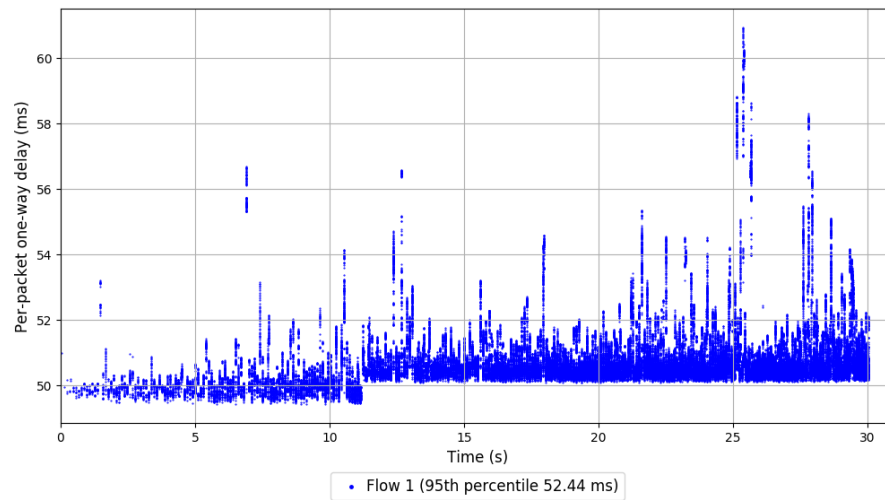
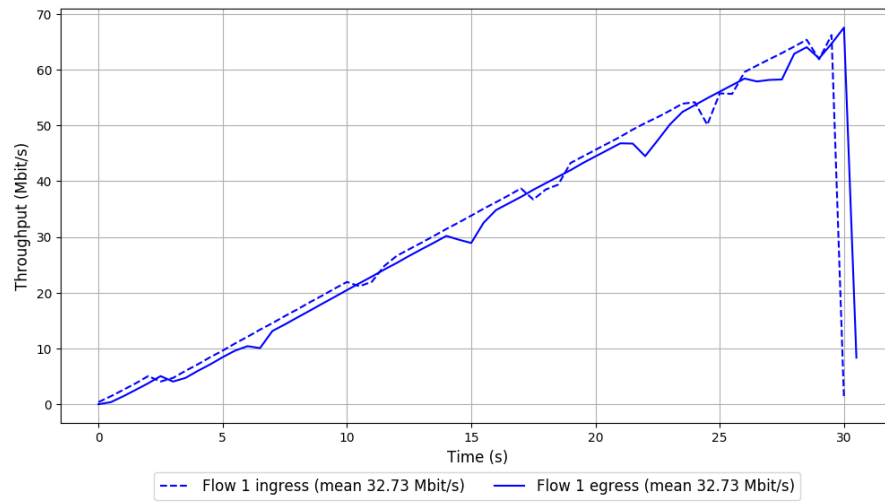
-- Flow 1:

Average throughput: 32.73 Mbit/s

95th percentile per-packet one-way delay: 52.441 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-05-23 17:11:49

End at: 2018-05-23 17:12:19

Local clock offset: 0.013 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-05-23 20:07:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.36 Mbit/s

95th percentile per-packet one-way delay: 52.406 ms

Loss rate: 0.00%

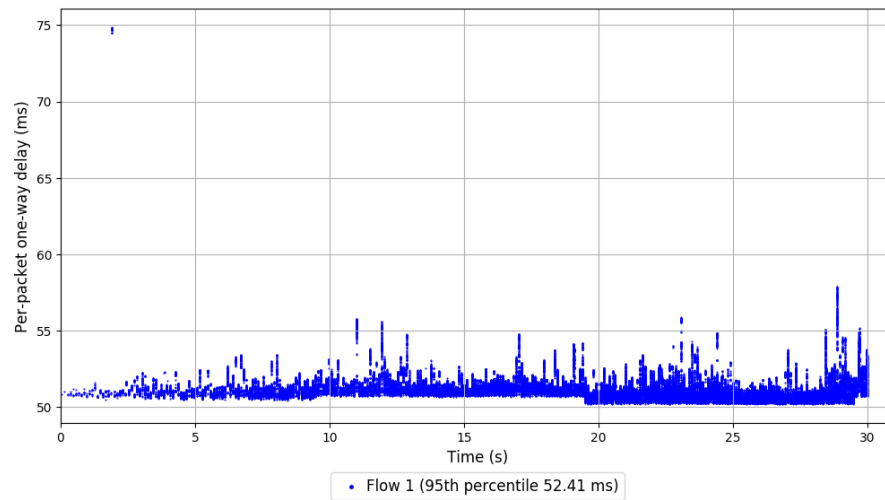
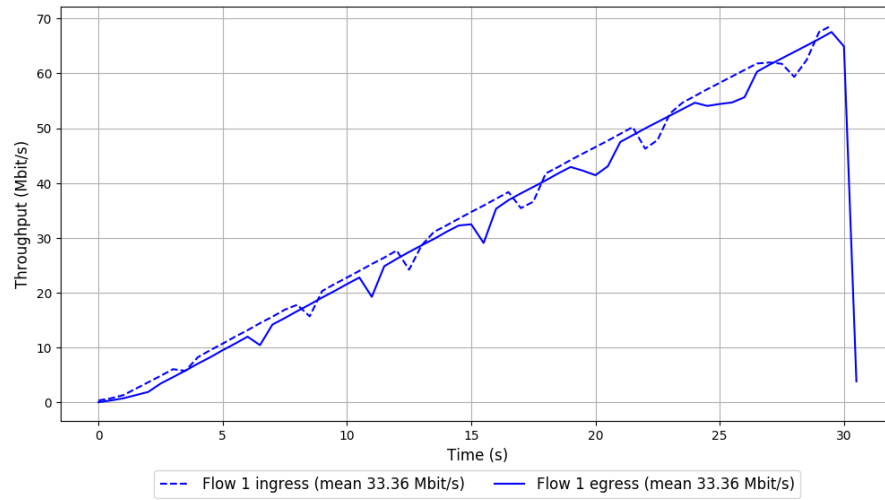
-- Flow 1:

Average throughput: 33.36 Mbit/s

95th percentile per-packet one-way delay: 52.406 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-05-23 17:31:39

End at: 2018-05-23 17:32:09

Local clock offset: -0.024 ms

Remote clock offset: -0.23 ms

Below is generated by plot.py at 2018-05-23 20:07:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.36 Mbit/s

95th percentile per-packet one-way delay: 52.155 ms

Loss rate: 0.00%

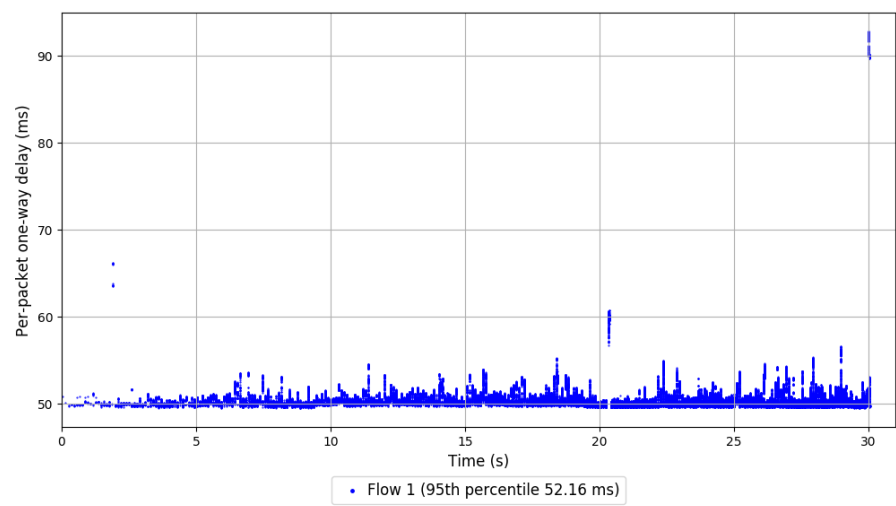
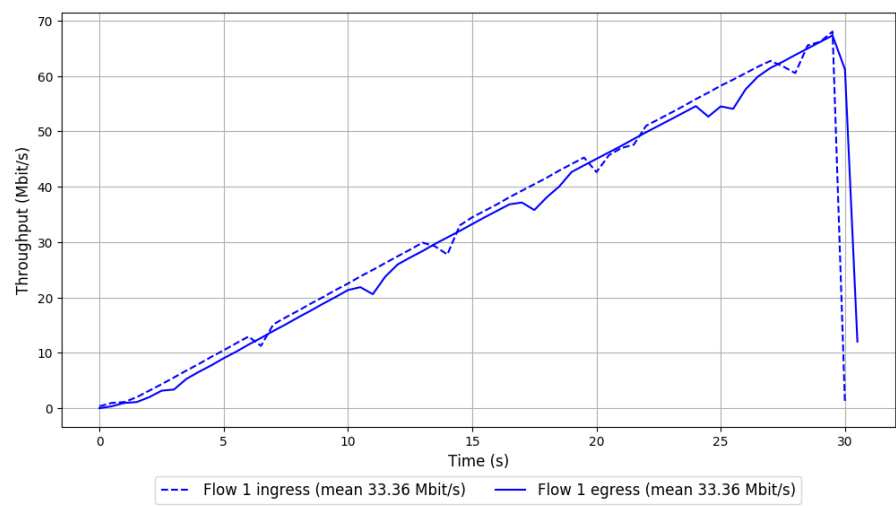
-- Flow 1:

Average throughput: 33.36 Mbit/s

95th percentile per-packet one-way delay: 52.155 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

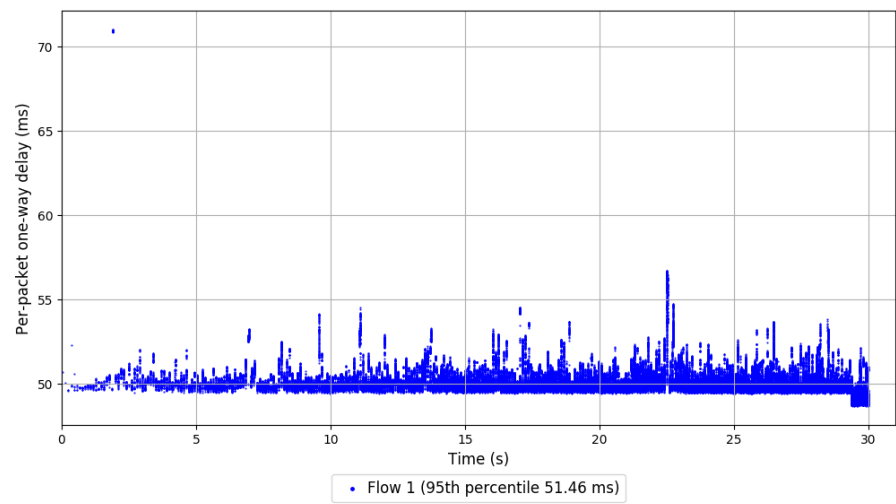
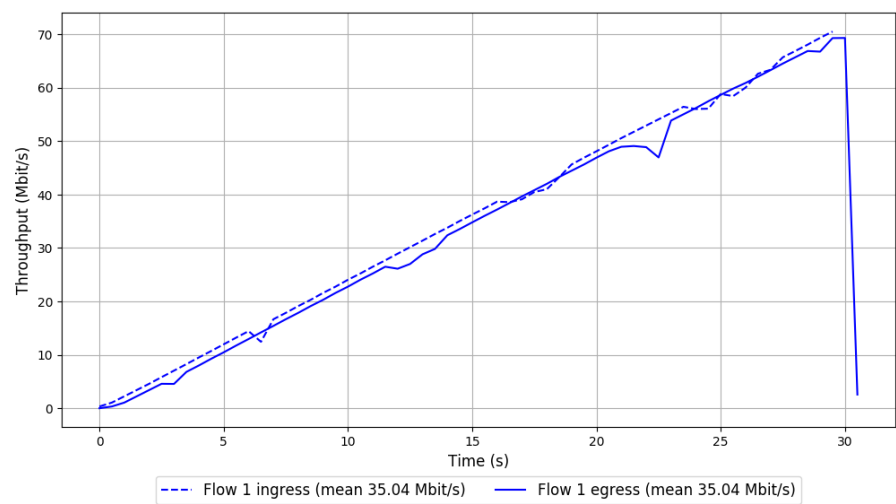


Run 6: Statistics of LEDBAT

Start at: 2018-05-23 17:51:29
End at: 2018-05-23 17:51:59
Local clock offset: -0.018 ms
Remote clock offset: -0.436 ms

Below is generated by plot.py at 2018-05-23 20:07:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.04 Mbit/s
95th percentile per-packet one-way delay: 51.462 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.04 Mbit/s
95th percentile per-packet one-way delay: 51.462 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

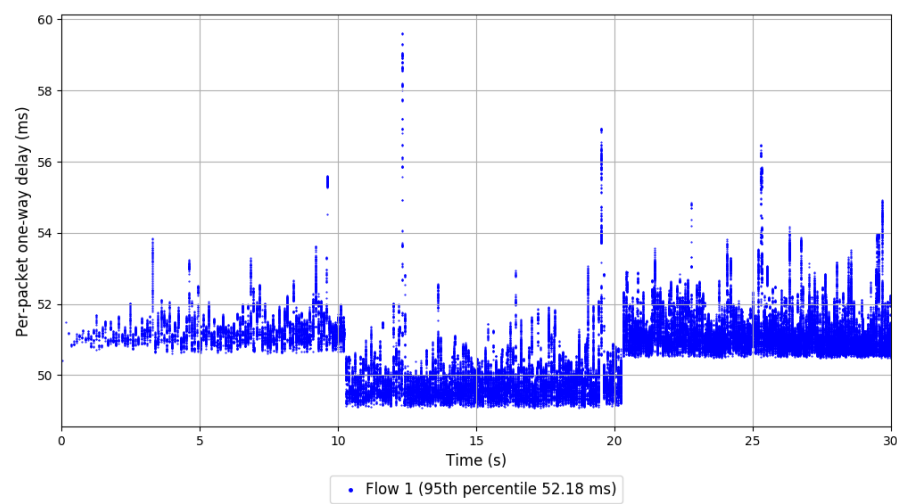
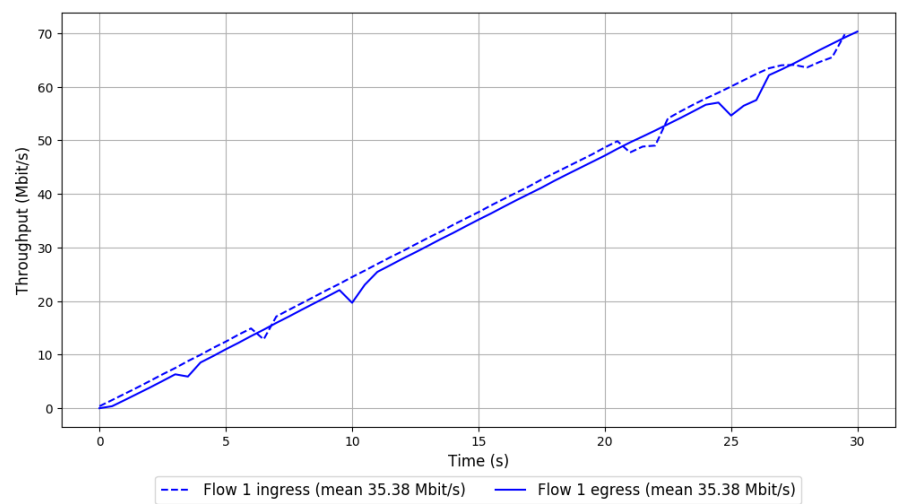


Run 7: Statistics of LEDBAT

Start at: 2018-05-23 18:11:18
End at: 2018-05-23 18:11:48
Local clock offset: -0.386 ms
Remote clock offset: -0.495 ms

Below is generated by plot.py at 2018-05-23 20:07:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.38 Mbit/s
95th percentile per-packet one-way delay: 52.179 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.38 Mbit/s
95th percentile per-packet one-way delay: 52.179 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

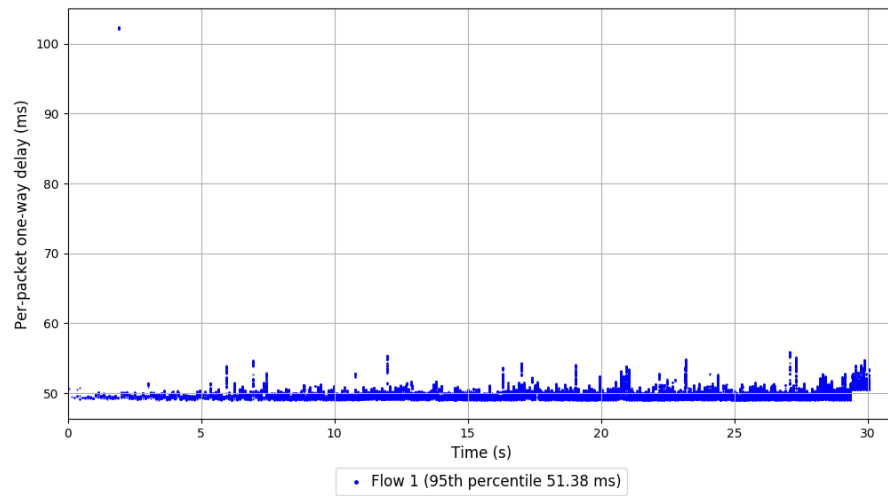
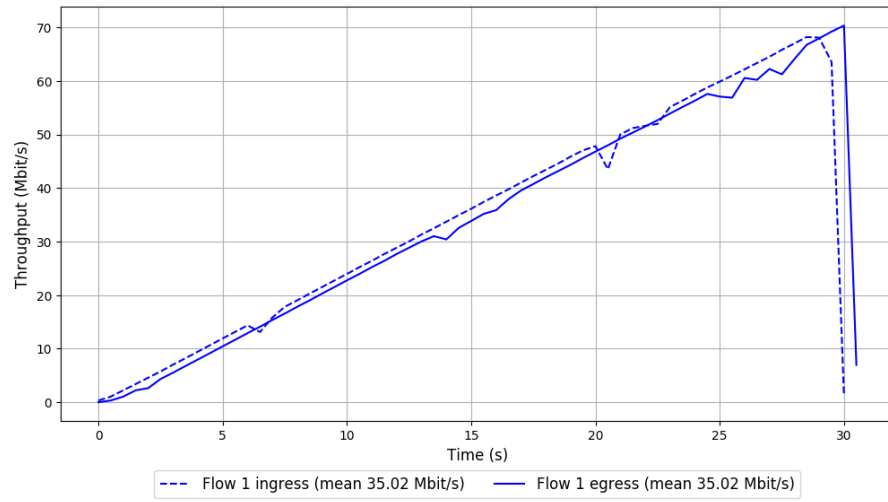


Run 8: Statistics of LEDBAT

Start at: 2018-05-23 18:31:09
End at: 2018-05-23 18:31:39
Local clock offset: -0.402 ms
Remote clock offset: -0.776 ms

Below is generated by plot.py at 2018-05-23 20:07:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.02 Mbit/s
95th percentile per-packet one-way delay: 51.385 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.02 Mbit/s
95th percentile per-packet one-way delay: 51.385 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-05-23 18:51:02

End at: 2018-05-23 18:51:33

Local clock offset: 0.337 ms

Remote clock offset: -0.82 ms

Below is generated by plot.py at 2018-05-23 20:07:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.31 Mbit/s

95th percentile per-packet one-way delay: 51.557 ms

Loss rate: 0.00%

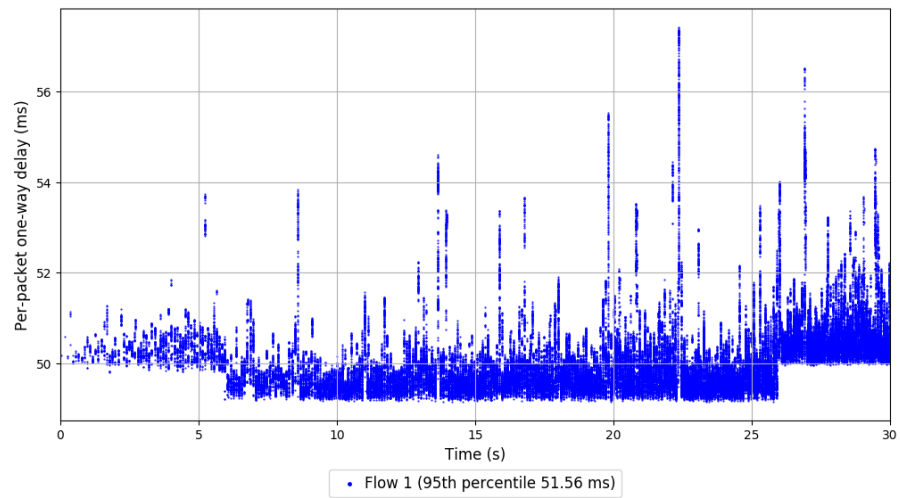
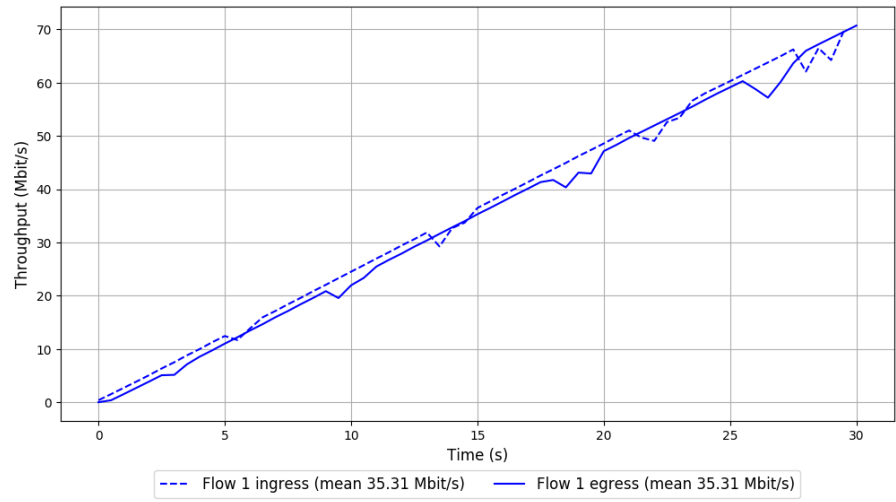
-- Flow 1:

Average throughput: 35.31 Mbit/s

95th percentile per-packet one-way delay: 51.557 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

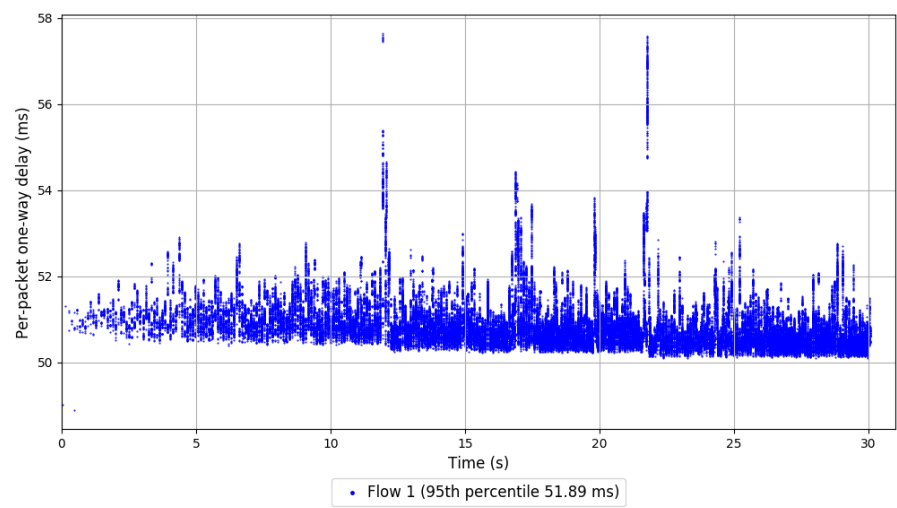
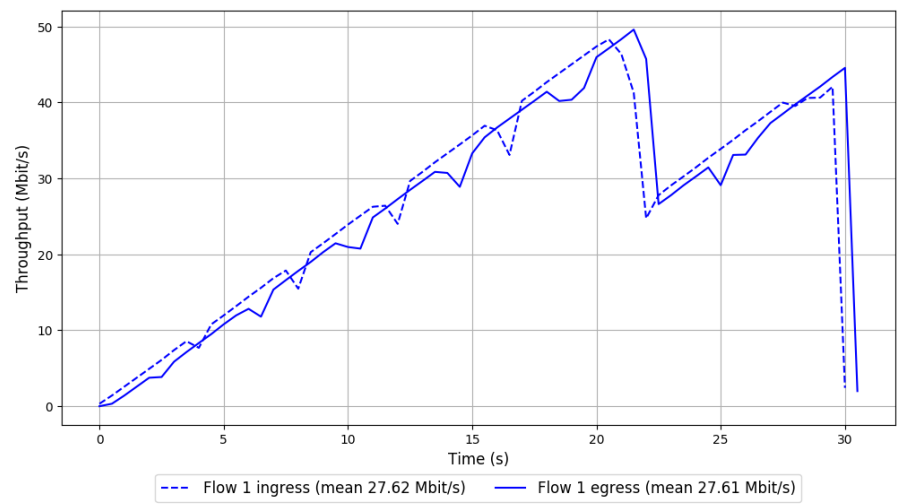


Run 10: Statistics of LEDBAT

Start at: 2018-05-23 19:10:57
End at: 2018-05-23 19:11:27
Local clock offset: -0.004 ms
Remote clock offset: -1.039 ms

Below is generated by plot.py at 2018-05-23 20:07:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 27.61 Mbit/s
95th percentile per-packet one-way delay: 51.888 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 27.61 Mbit/s
95th percentile per-packet one-way delay: 51.888 ms
Loss rate: 0.03%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-05-23 16:08:34

End at: 2018-05-23 16:09:04

Local clock offset: 0.35 ms

Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-05-23 20:10:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 481.81 Mbit/s

95th percentile per-packet one-way delay: 94.056 ms

Loss rate: 0.56%

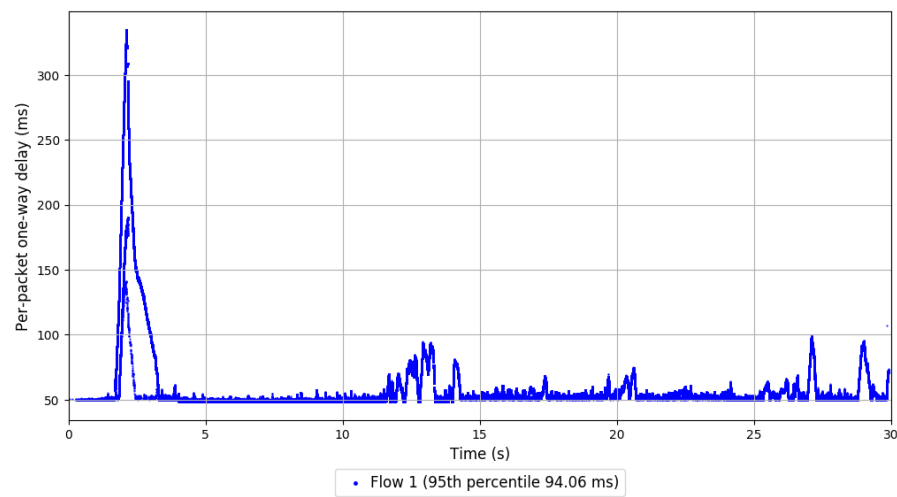
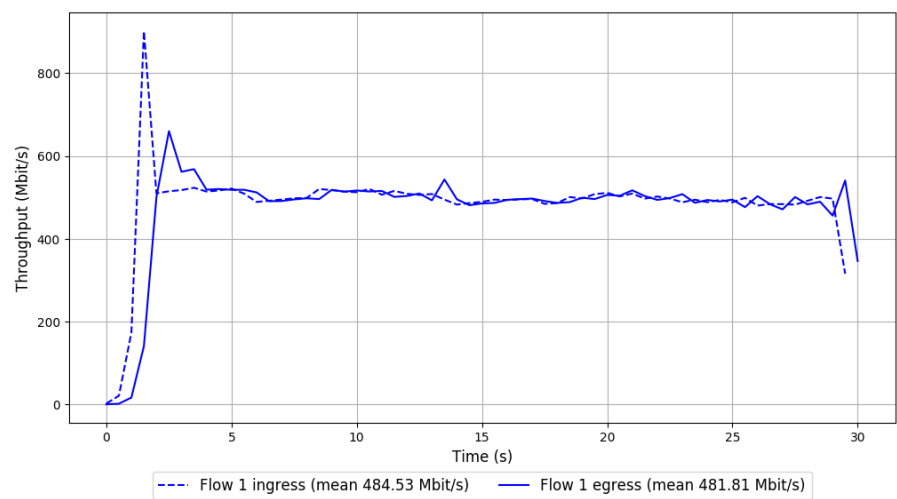
-- Flow 1:

Average throughput: 481.81 Mbit/s

95th percentile per-packet one-way delay: 94.056 ms

Loss rate: 0.56%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-05-23 16:28:22

End at: 2018-05-23 16:28:52

Local clock offset: -0.012 ms

Remote clock offset: 0.418 ms

Below is generated by plot.py at 2018-05-23 20:11:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 501.77 Mbit/s

95th percentile per-packet one-way delay: 138.599 ms

Loss rate: 0.87%

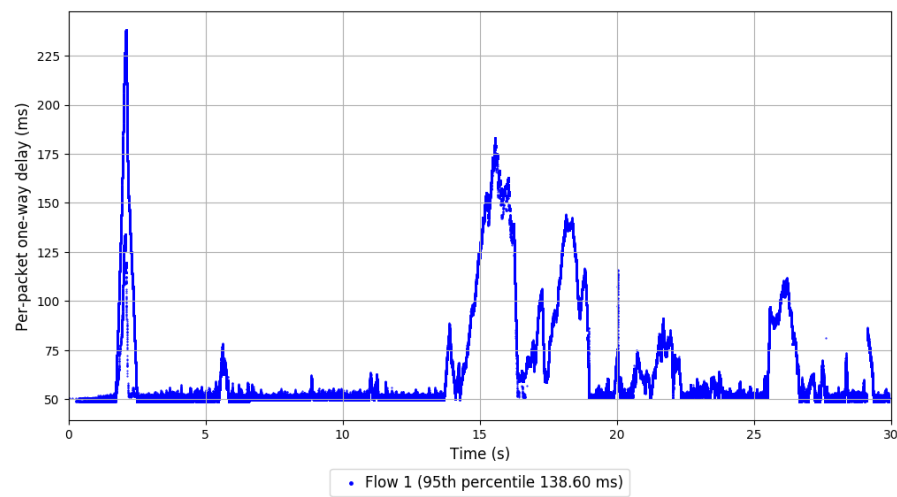
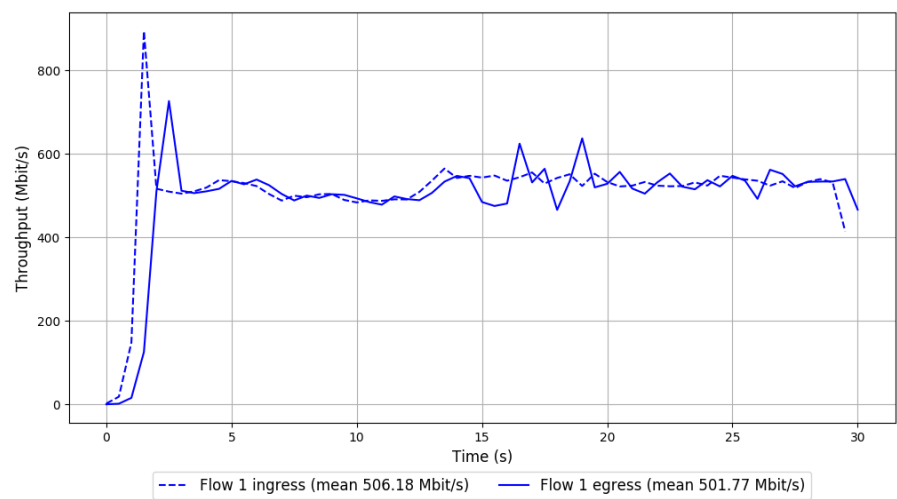
-- Flow 1:

Average throughput: 501.77 Mbit/s

95th percentile per-packet one-way delay: 138.599 ms

Loss rate: 0.87%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-05-23 16:48:19

End at: 2018-05-23 16:48:49

Local clock offset: 0.059 ms

Remote clock offset: 0.766 ms

Below is generated by plot.py at 2018-05-23 20:11:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 358.88 Mbit/s

95th percentile per-packet one-way delay: 55.845 ms

Loss rate: 0.00%

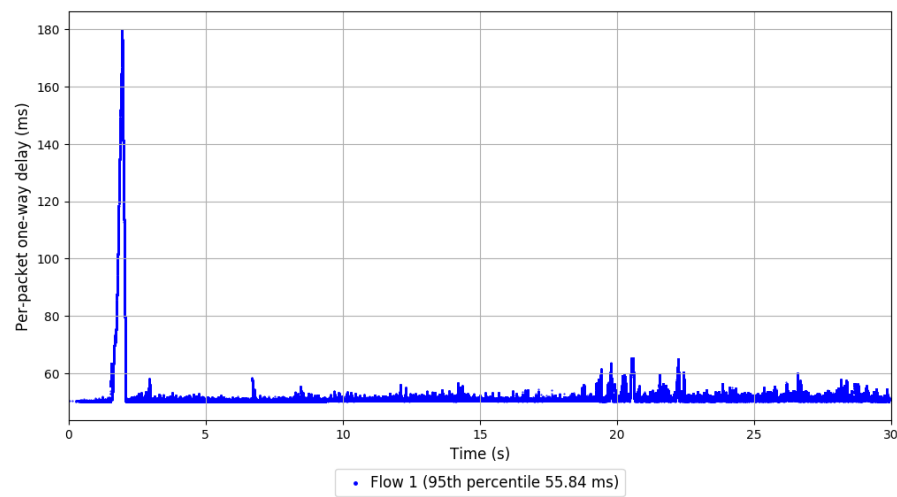
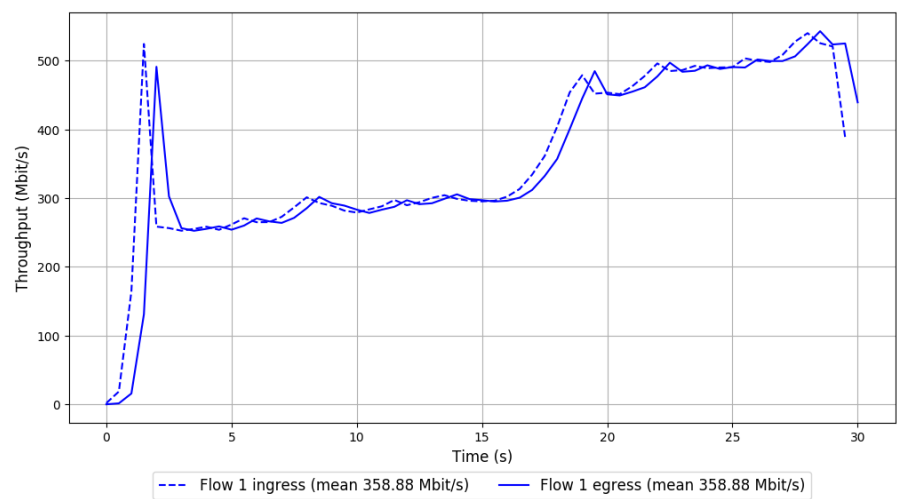
-- Flow 1:

Average throughput: 358.88 Mbit/s

95th percentile per-packet one-way delay: 55.845 ms

Loss rate: 0.00%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-05-23 17:08:07

End at: 2018-05-23 17:08:37

Local clock offset: 0.008 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-05-23 20:11:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 498.37 Mbit/s

95th percentile per-packet one-way delay: 161.578 ms

Loss rate: 2.22%

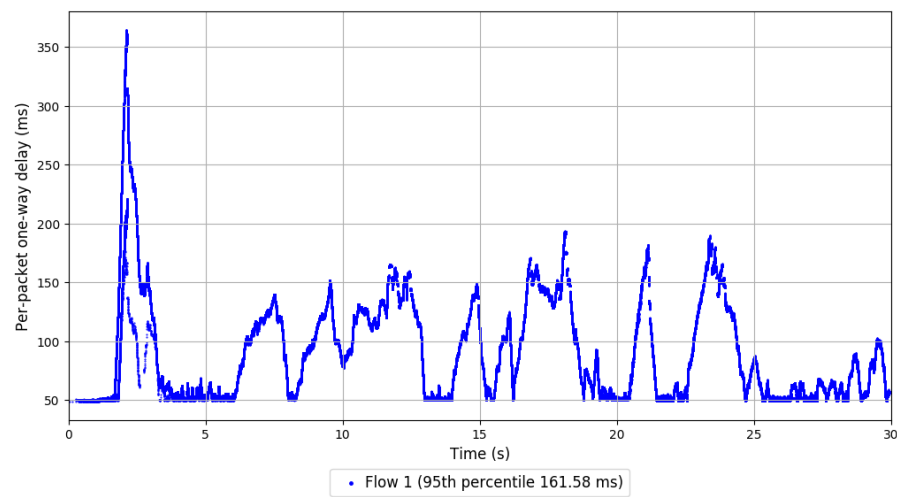
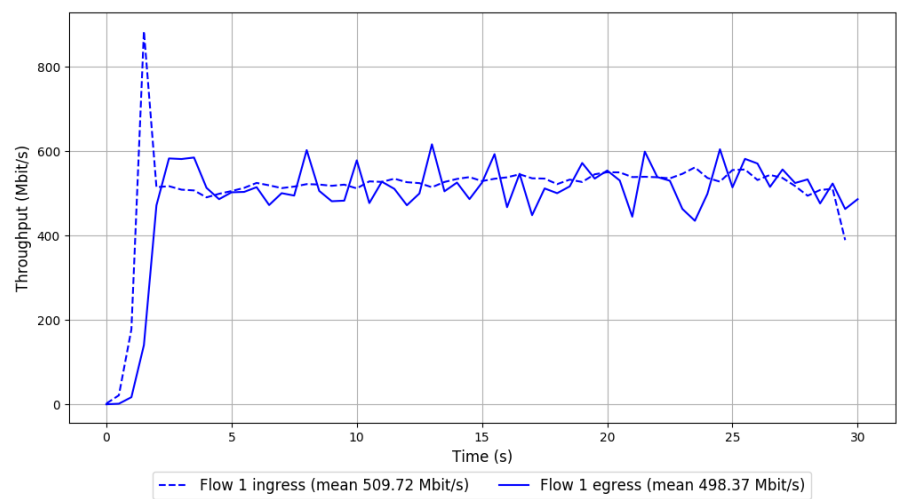
-- Flow 1:

Average throughput: 498.37 Mbit/s

95th percentile per-packet one-way delay: 161.578 ms

Loss rate: 2.22%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-05-23 17:28:03

End at: 2018-05-23 17:28:33

Local clock offset: -0.349 ms

Remote clock offset: -0.252 ms

Below is generated by plot.py at 2018-05-23 20:11:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 265.12 Mbit/s

95th percentile per-packet one-way delay: 56.929 ms

Loss rate: 0.05%

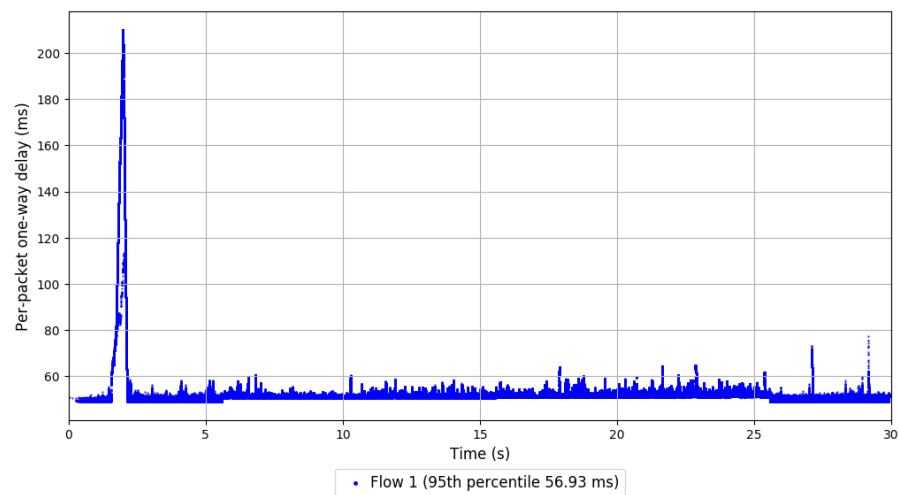
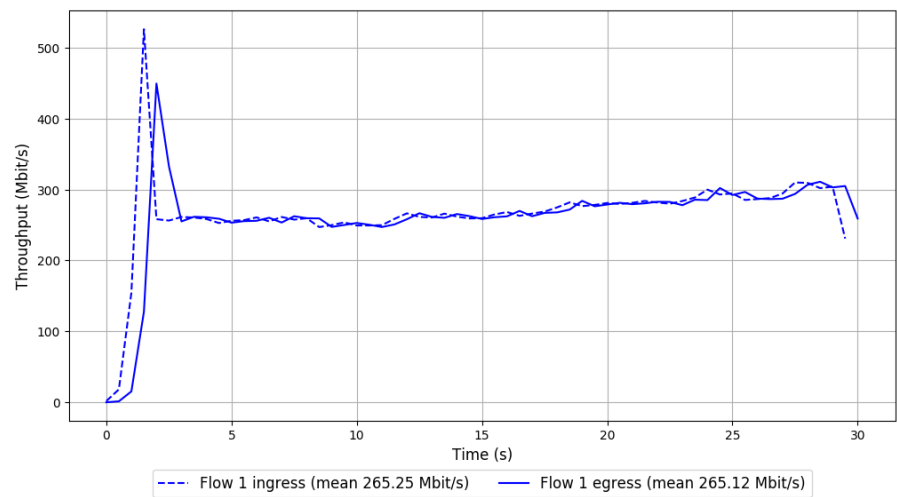
-- Flow 1:

Average throughput: 265.12 Mbit/s

95th percentile per-packet one-way delay: 56.929 ms

Loss rate: 0.05%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-05-23 17:47:48

End at: 2018-05-23 17:48:18

Local clock offset: -0.054 ms

Remote clock offset: -0.192 ms

Below is generated by plot.py at 2018-05-23 20:11:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 489.87 Mbit/s

95th percentile per-packet one-way delay: 153.891 ms

Loss rate: 1.79%

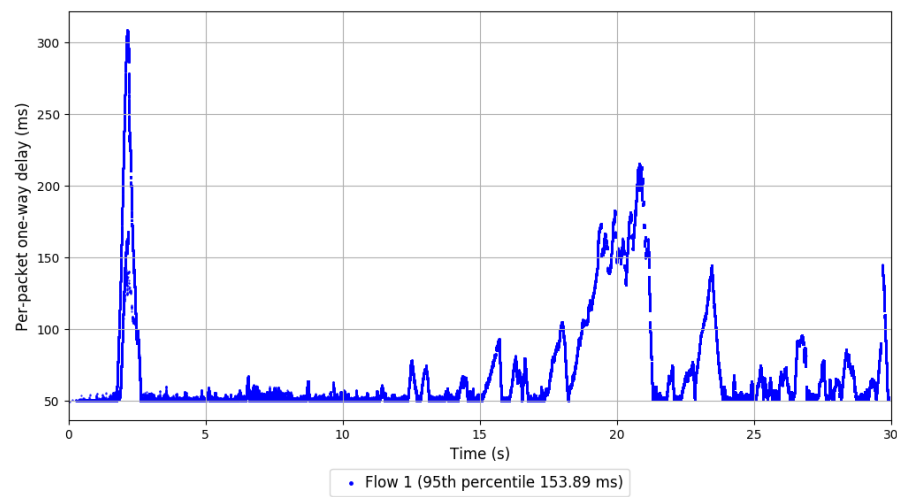
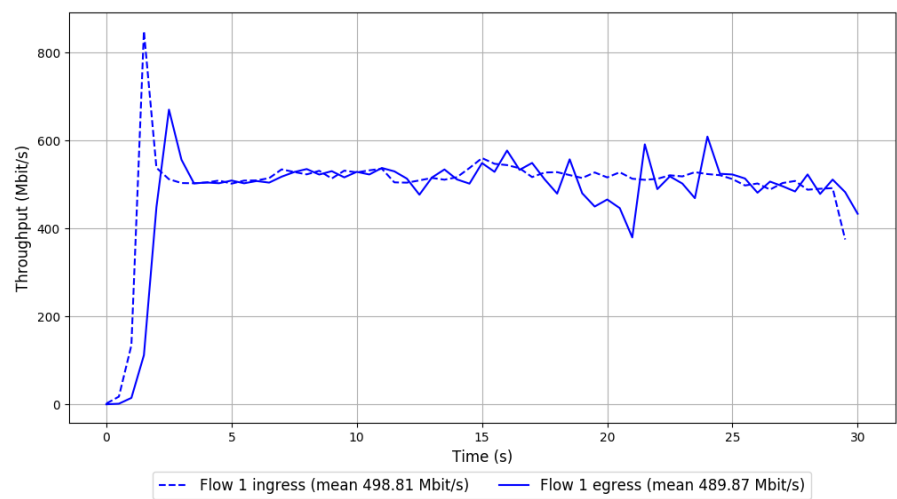
-- Flow 1:

Average throughput: 489.87 Mbit/s

95th percentile per-packet one-way delay: 153.891 ms

Loss rate: 1.79%

Run 6: Report of PCC-Allegro — Data Link

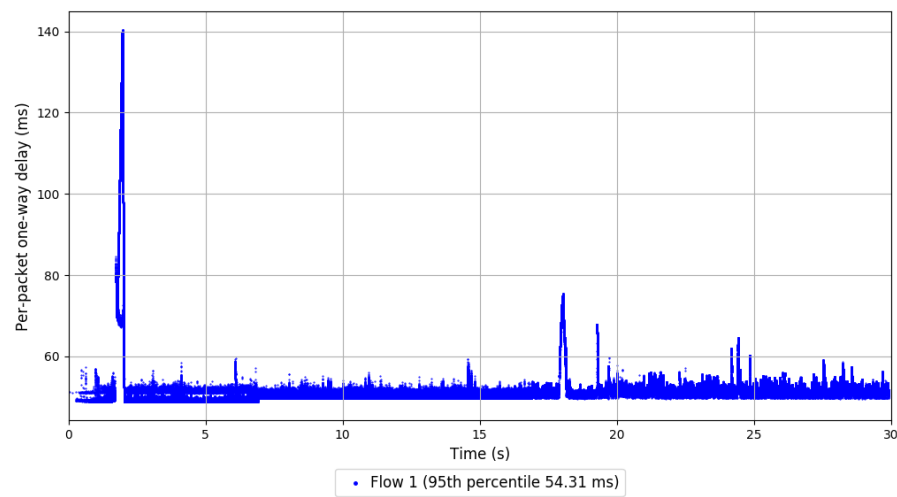
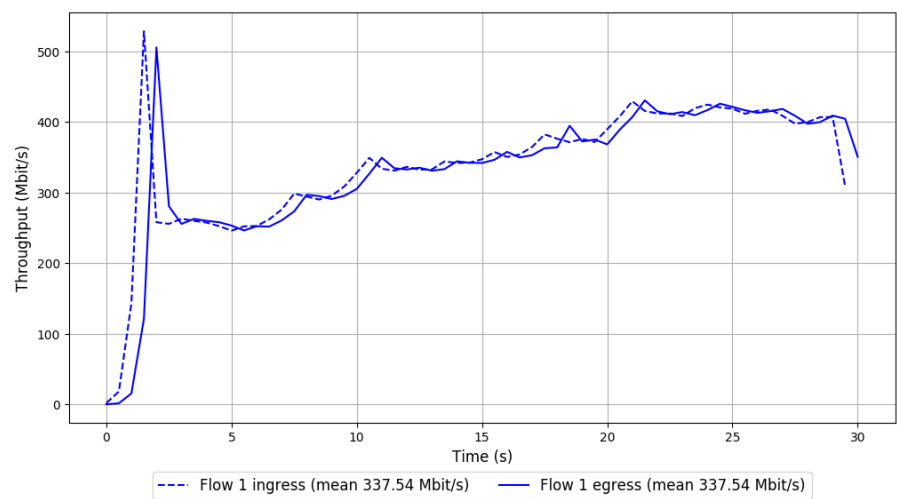


Run 7: Statistics of PCC-Allegro

Start at: 2018-05-23 18:07:41
End at: 2018-05-23 18:08:11
Local clock offset: -0.077 ms
Remote clock offset: -0.485 ms

Below is generated by plot.py at 2018-05-23 20:12:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 337.54 Mbit/s
95th percentile per-packet one-way delay: 54.307 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 337.54 Mbit/s
95th percentile per-packet one-way delay: 54.307 ms
Loss rate: 0.00%

Run 7: Report of PCC-Allegro — Data Link

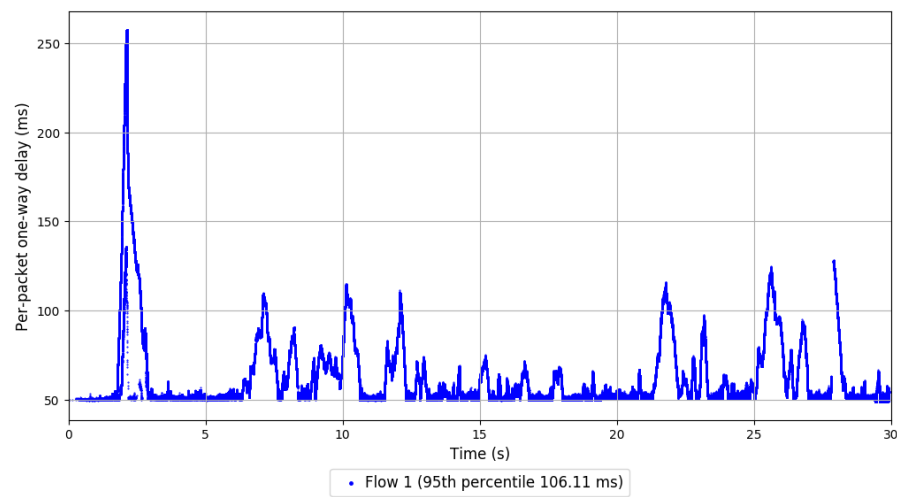
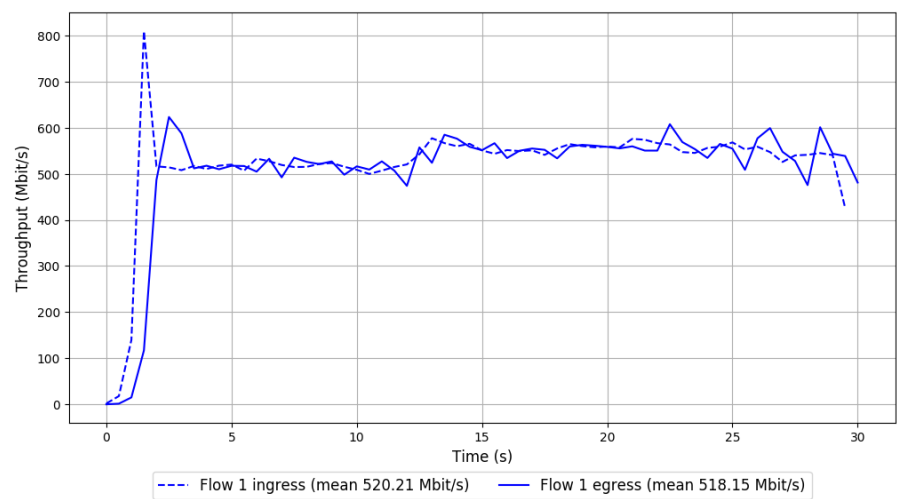


Run 8: Statistics of PCC-Allegro

Start at: 2018-05-23 18:27:29
End at: 2018-05-23 18:27:59
Local clock offset: -0.073 ms
Remote clock offset: -0.613 ms

Below is generated by plot.py at 2018-05-23 20:16:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 518.15 Mbit/s
95th percentile per-packet one-way delay: 106.110 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 518.15 Mbit/s
95th percentile per-packet one-way delay: 106.110 ms
Loss rate: 0.40%

Run 8: Report of PCC-Allegro — Data Link

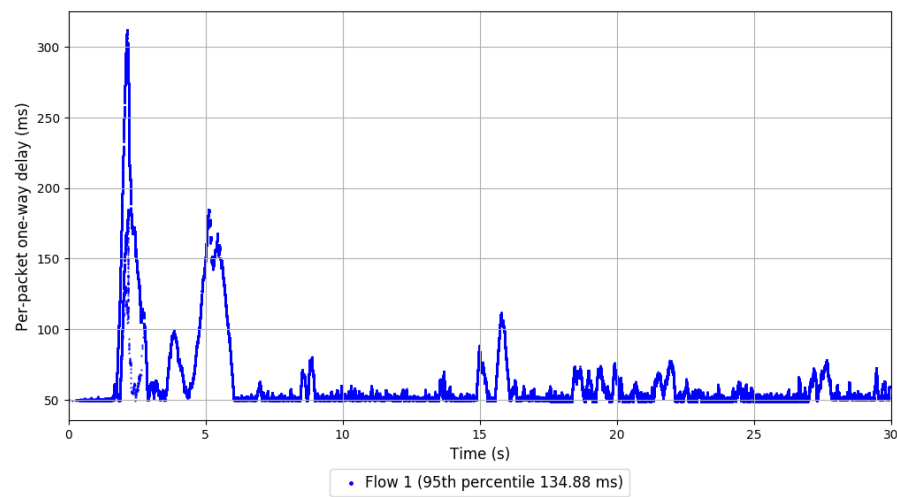
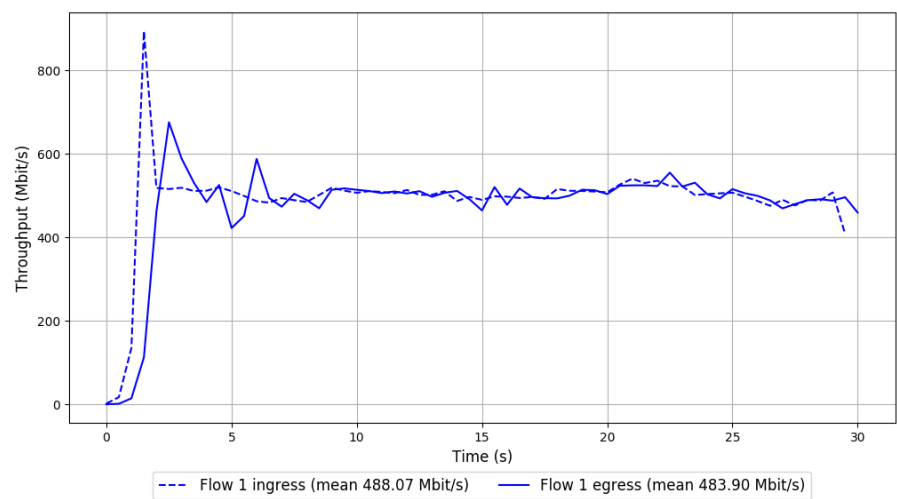


Run 9: Statistics of PCC-Allegro

Start at: 2018-05-23 18:47:21
End at: 2018-05-23 18:47:51
Local clock offset: -0.012 ms
Remote clock offset: -0.803 ms

Below is generated by plot.py at 2018-05-23 20:16:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 483.90 Mbit/s
95th percentile per-packet one-way delay: 134.881 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 483.90 Mbit/s
95th percentile per-packet one-way delay: 134.881 ms
Loss rate: 0.85%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-05-23 19:07:14

End at: 2018-05-23 19:07:44

Local clock offset: -0.035 ms

Remote clock offset: -0.893 ms

Below is generated by plot.py at 2018-05-23 20:17:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 492.70 Mbit/s

95th percentile per-packet one-way delay: 106.605 ms

Loss rate: 1.90%

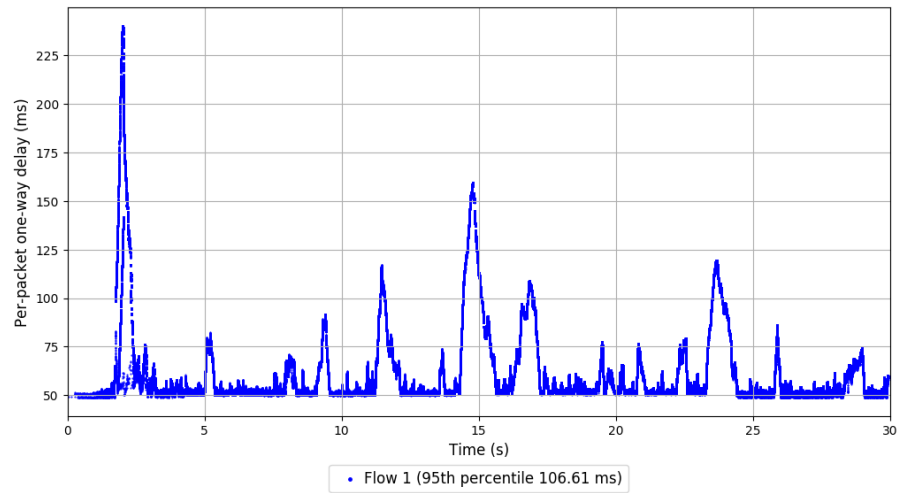
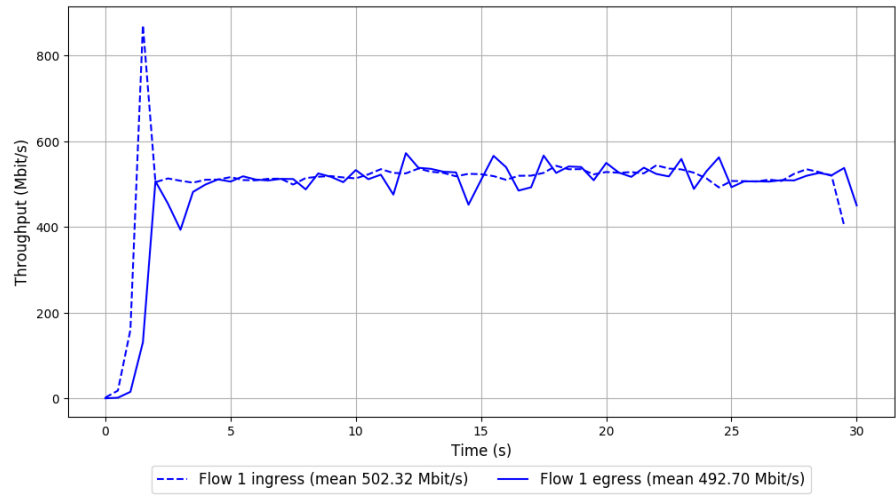
-- Flow 1:

Average throughput: 492.70 Mbit/s

95th percentile per-packet one-way delay: 106.605 ms

Loss rate: 1.90%

Run 10: Report of PCC-Allegro — Data Link

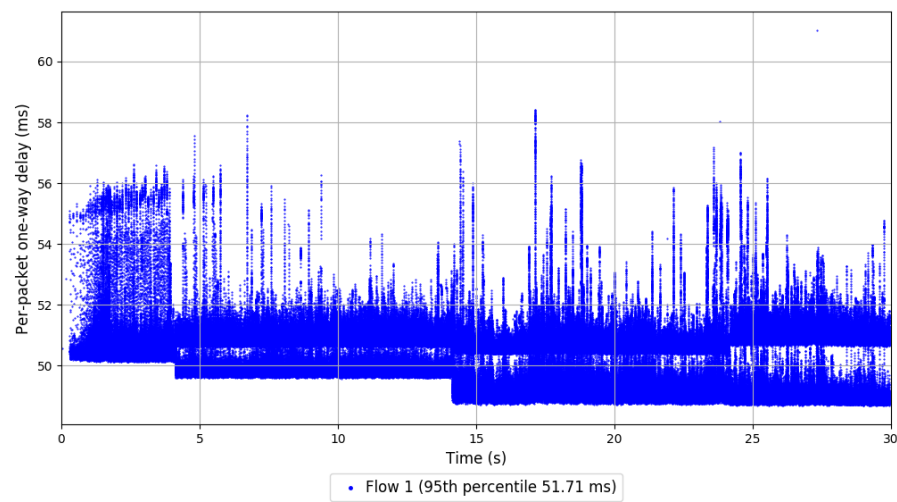
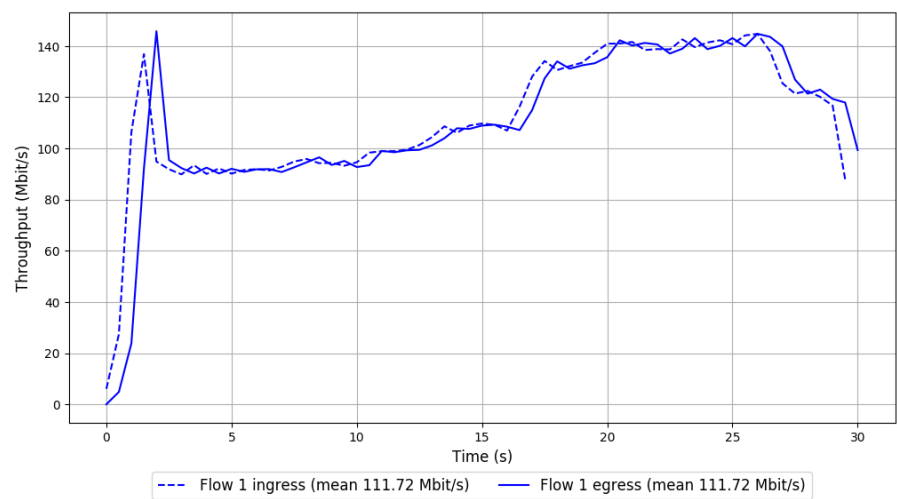


```
Run 1: Statistics of PCC-Expr

Start at: 2018-05-23 16:21:44
End at: 2018-05-23 16:22:14
Local clock offset: 0.027 ms
Remote clock offset: 0.281 ms

# Below is generated by plot.py at 2018-05-23 20:17:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 111.72 Mbit/s
95th percentile per-packet one-way delay: 51.709 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 111.72 Mbit/s
95th percentile per-packet one-way delay: 51.709 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-05-23 16:41:38

End at: 2018-05-23 16:42:08

Local clock offset: 0.026 ms

Remote clock offset: 0.634 ms

Below is generated by plot.py at 2018-05-23 20:18:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.22 Mbit/s

95th percentile per-packet one-way delay: 60.426 ms

Loss rate: 0.00%

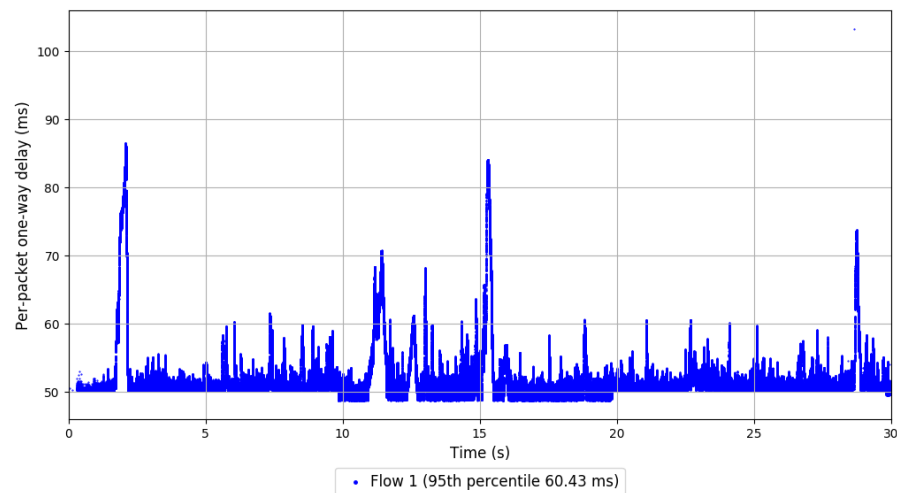
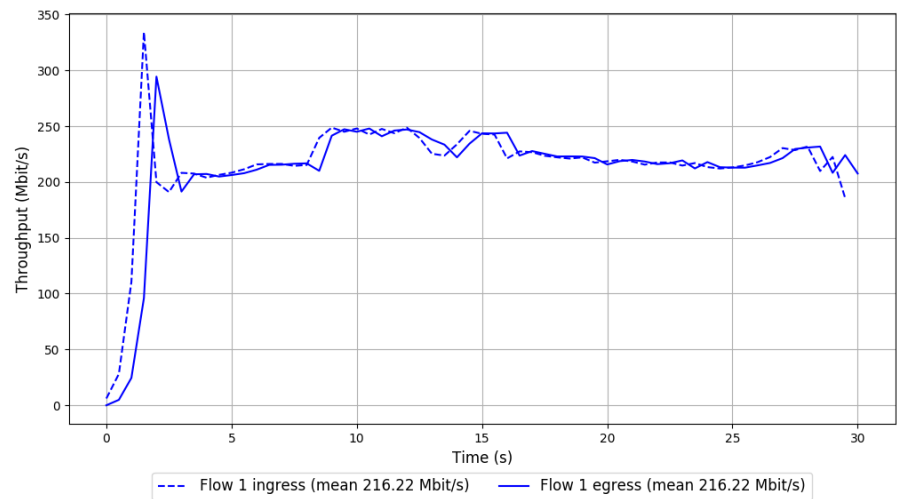
-- Flow 1:

Average throughput: 216.22 Mbit/s

95th percentile per-packet one-way delay: 60.426 ms

Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-05-23 17:01:26

End at: 2018-05-23 17:01:56

Local clock offset: 0.01 ms

Remote clock offset: 0.247 ms

Below is generated by plot.py at 2018-05-23 20:18:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.61 Mbit/s

95th percentile per-packet one-way delay: 69.059 ms

Loss rate: 0.00%

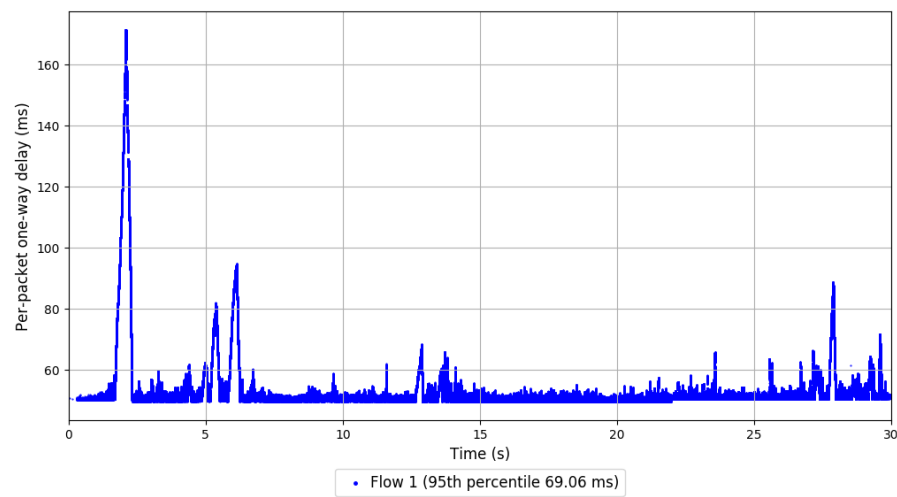
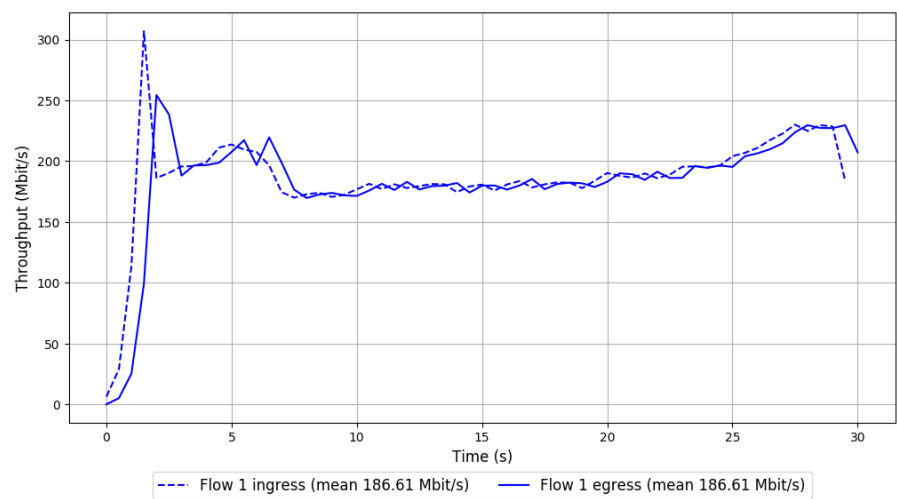
-- Flow 1:

Average throughput: 186.61 Mbit/s

95th percentile per-packet one-way delay: 69.059 ms

Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link

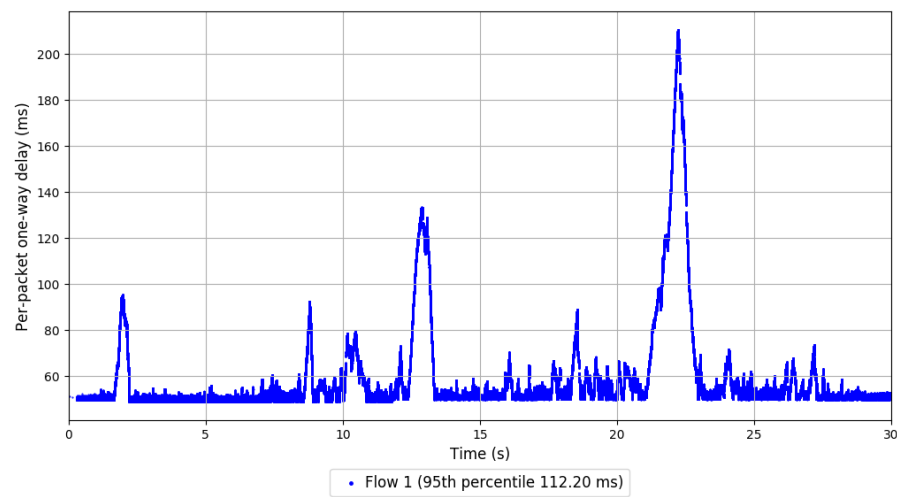
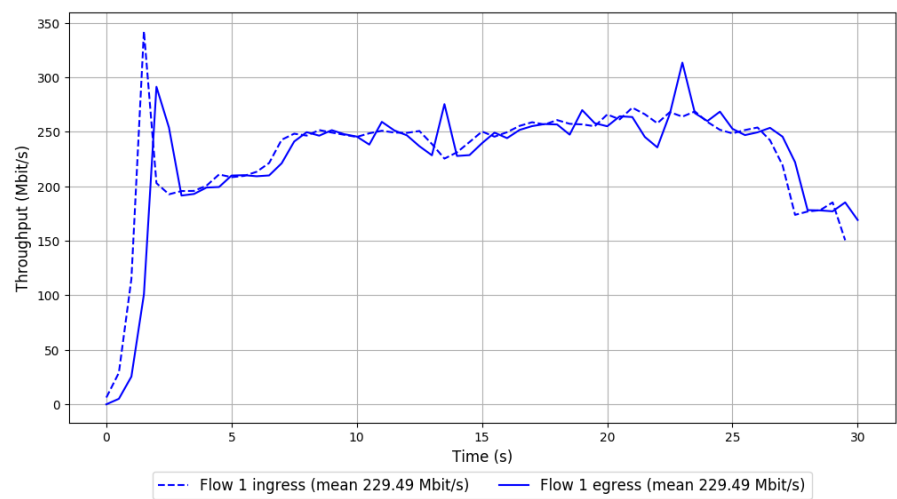


Run 4: Statistics of PCC-Expr

Start at: 2018-05-23 17:21:17
End at: 2018-05-23 17:21:47
Local clock offset: 0.006 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-05-23 20:18:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 229.49 Mbit/s
95th percentile per-packet one-way delay: 112.202 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 229.49 Mbit/s
95th percentile per-packet one-way delay: 112.202 ms
Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link

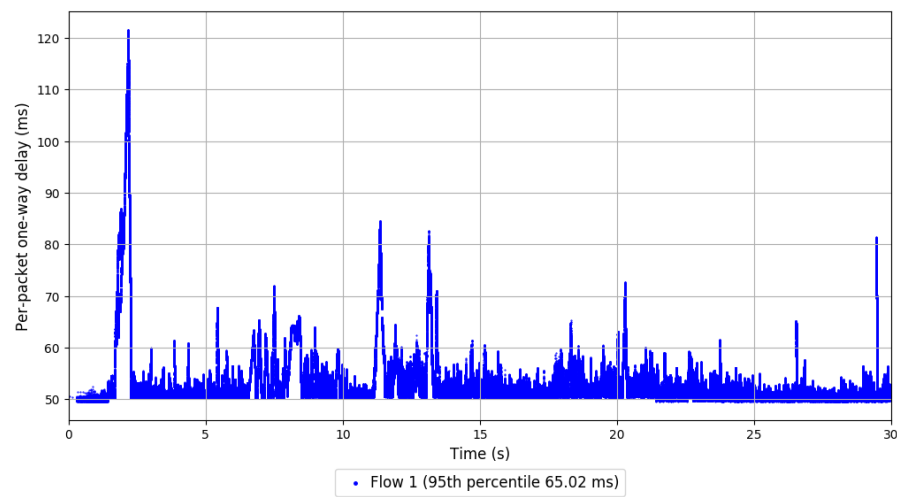
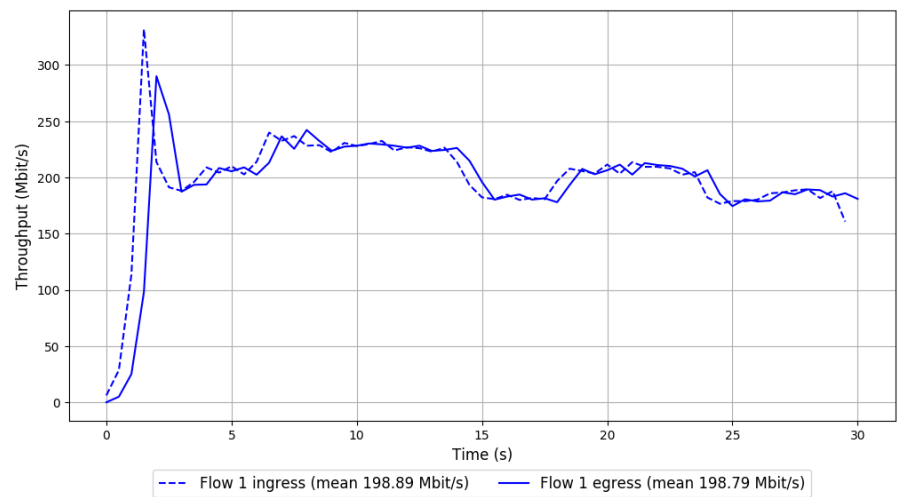


Run 5: Statistics of PCC-Expr

Start at: 2018-05-23 17:41:07
End at: 2018-05-23 17:41:37
Local clock offset: -0.033 ms
Remote clock offset: -0.309 ms

Below is generated by plot.py at 2018-05-23 20:19:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 198.79 Mbit/s
95th percentile per-packet one-way delay: 65.024 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 198.79 Mbit/s
95th percentile per-packet one-way delay: 65.024 ms
Loss rate: 0.05%

Run 5: Report of PCC-Expr — Data Link

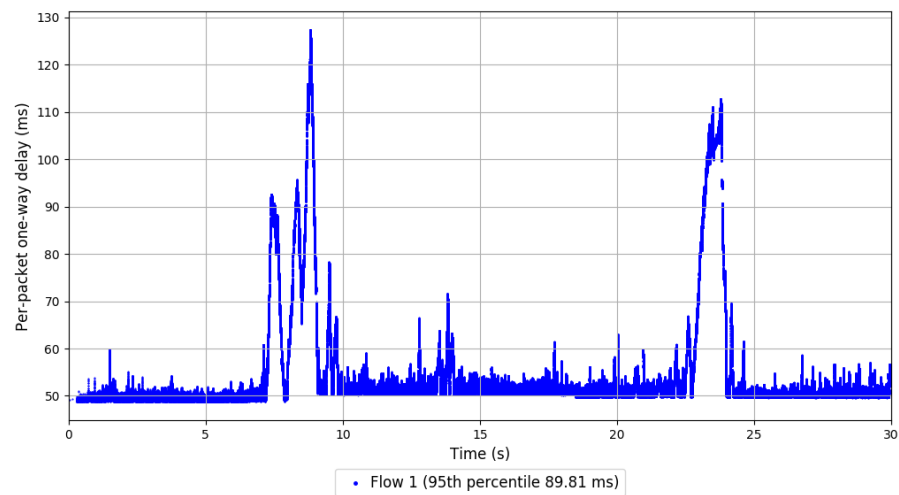
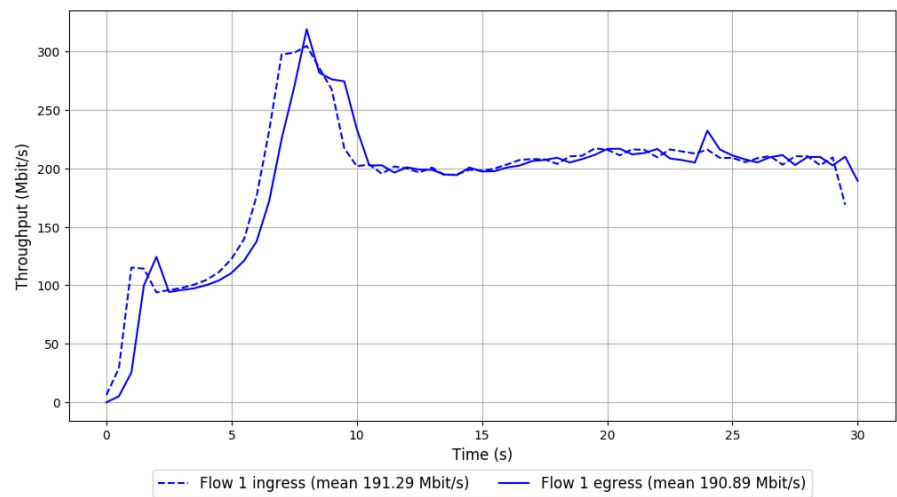


Run 6: Statistics of PCC-Expr

Start at: 2018-05-23 18:01:00
End at: 2018-05-23 18:01:30
Local clock offset: -0.024 ms
Remote clock offset: -0.398 ms

Below is generated by plot.py at 2018-05-23 20:21:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 190.89 Mbit/s
95th percentile per-packet one-way delay: 89.808 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 190.89 Mbit/s
95th percentile per-packet one-way delay: 89.808 ms
Loss rate: 0.21%

Run 6: Report of PCC-Expr — Data Link

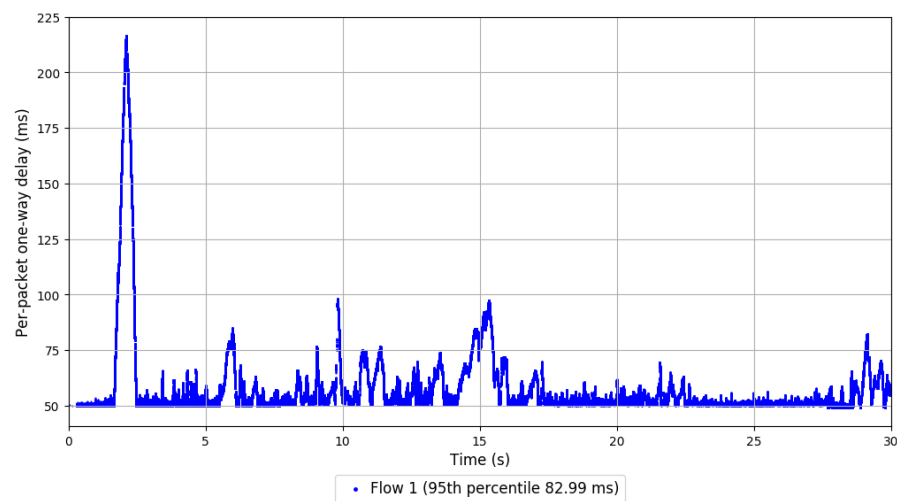
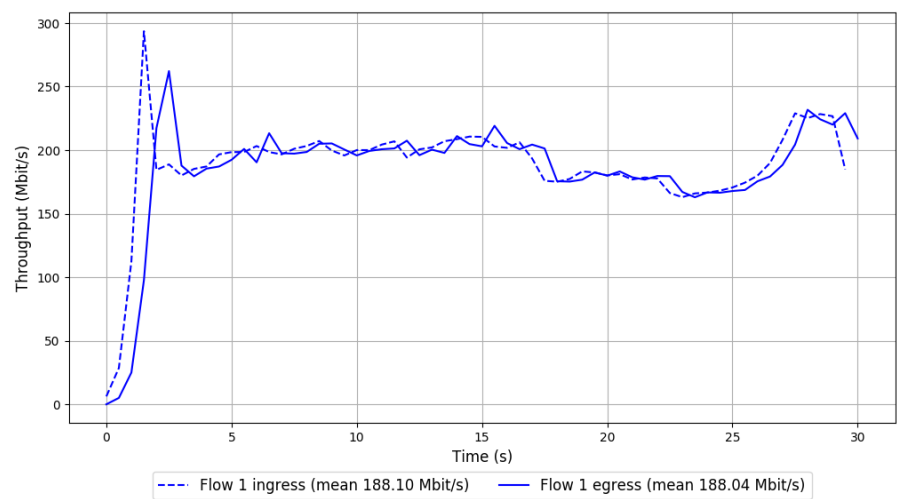


Run 7: Statistics of PCC-Expr

Start at: 2018-05-23 18:20:51
End at: 2018-05-23 18:21:21
Local clock offset: -0.414 ms
Remote clock offset: -0.647 ms

Below is generated by plot.py at 2018-05-23 20:22:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.04 Mbit/s
95th percentile per-packet one-way delay: 82.987 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 188.04 Mbit/s
95th percentile per-packet one-way delay: 82.987 ms
Loss rate: 0.03%

Run 7: Report of PCC-Expr — Data Link

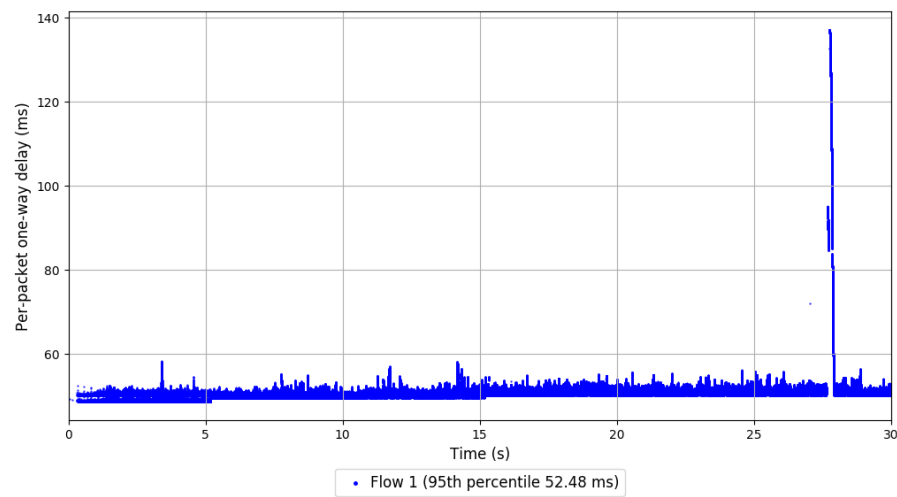
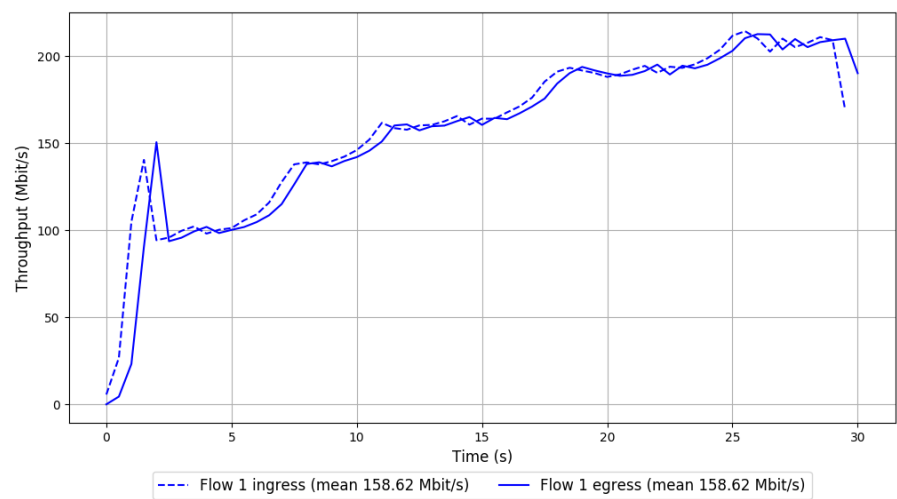


Run 8: Statistics of PCC-Expr

Start at: 2018-05-23 18:40:43
End at: 2018-05-23 18:41:13
Local clock offset: -0.007 ms
Remote clock offset: -0.792 ms

Below is generated by plot.py at 2018-05-23 20:22:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 158.62 Mbit/s
95th percentile per-packet one-way delay: 52.476 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 158.62 Mbit/s
95th percentile per-packet one-way delay: 52.476 ms
Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link

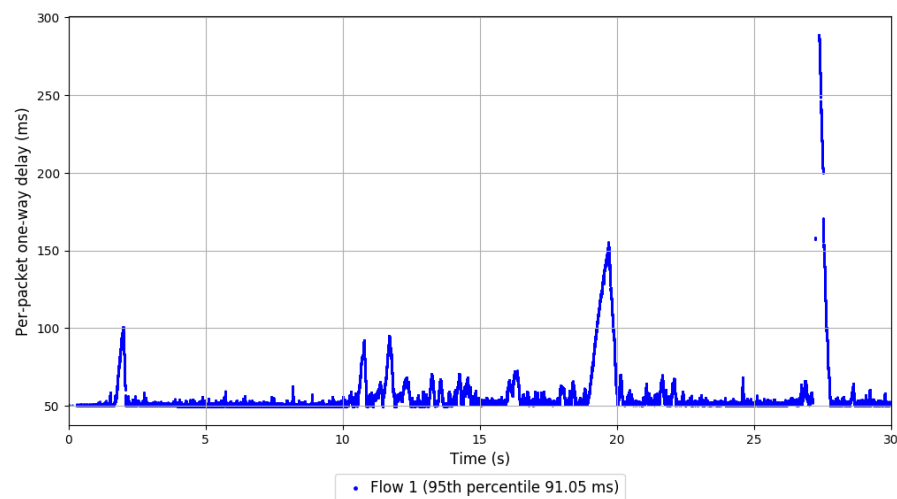
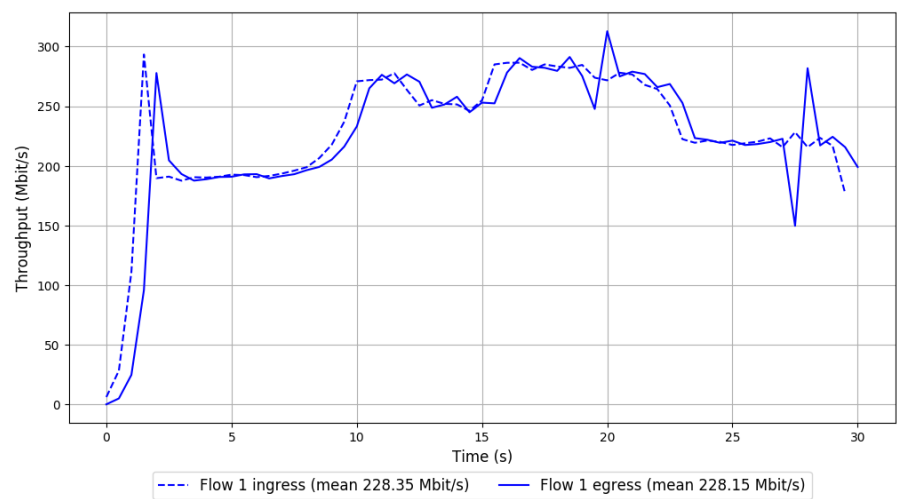


Run 9: Statistics of PCC-Expr

Start at: 2018-05-23 19:00:34
End at: 2018-05-23 19:01:04
Local clock offset: 0.004 ms
Remote clock offset: -0.856 ms

Below is generated by plot.py at 2018-05-23 20:25:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 228.15 Mbit/s
95th percentile per-packet one-way delay: 91.051 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 228.15 Mbit/s
95th percentile per-packet one-way delay: 91.051 ms
Loss rate: 0.09%

Run 9: Report of PCC-Expr — Data Link

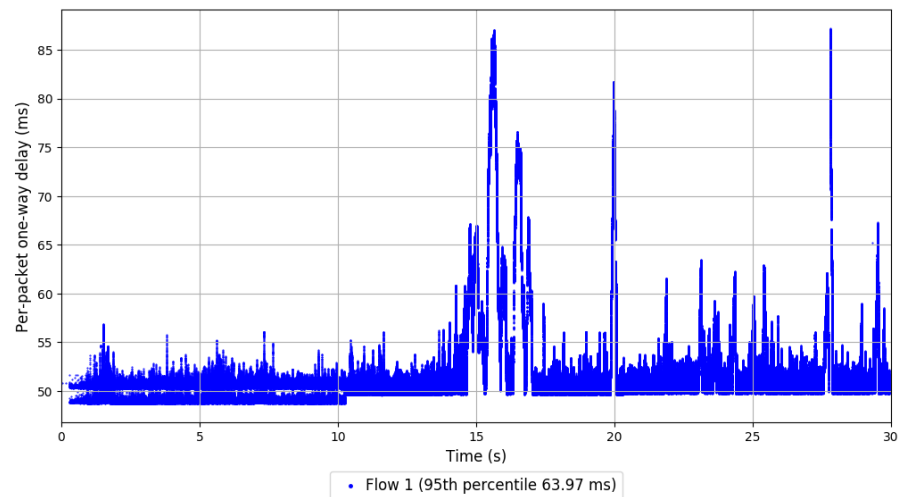
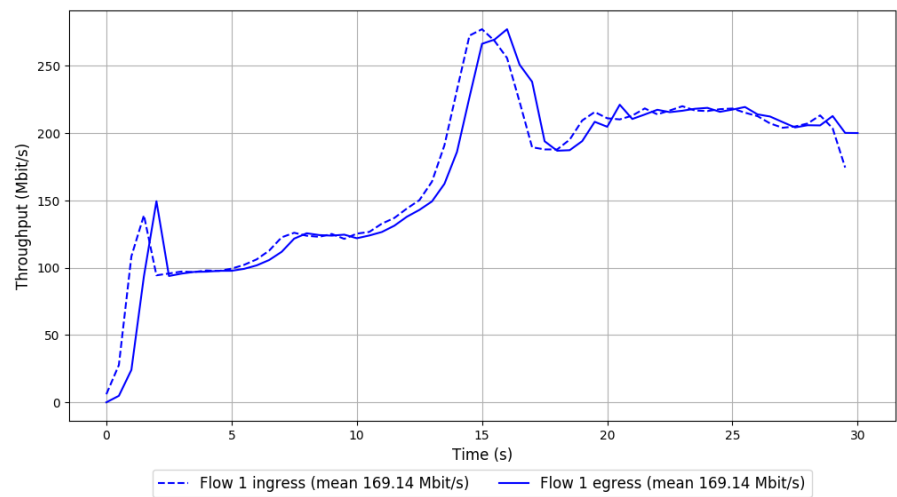


Run 10: Statistics of PCC-Expr

Start at: 2018-05-23 19:20:38
End at: 2018-05-23 19:21:08
Local clock offset: -0.026 ms
Remote clock offset: -1.002 ms

Below is generated by plot.py at 2018-05-23 20:25:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 169.14 Mbit/s
95th percentile per-packet one-way delay: 63.972 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 169.14 Mbit/s
95th percentile per-packet one-way delay: 63.972 ms
Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

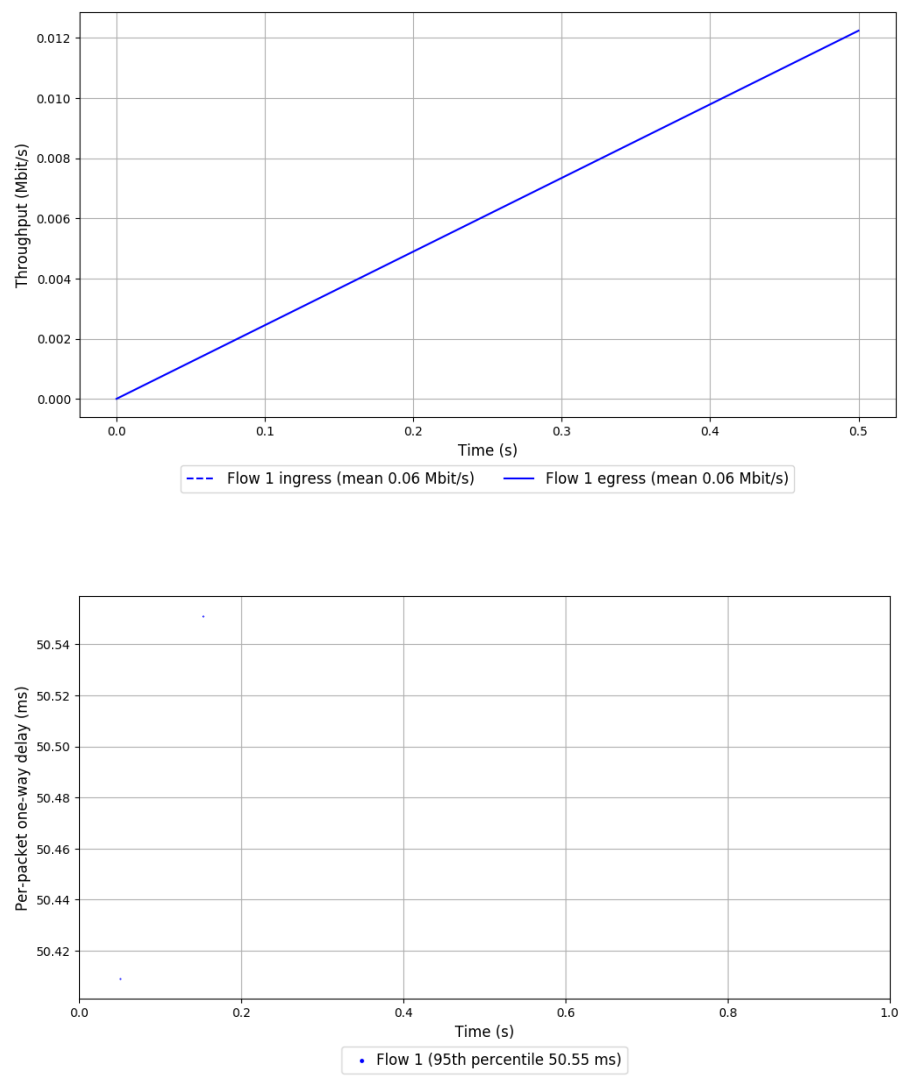
Start at: 2018-05-23 16:17:03

End at: 2018-05-23 16:17:33

Local clock offset: 0.01 ms

Remote clock offset: 0.112 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

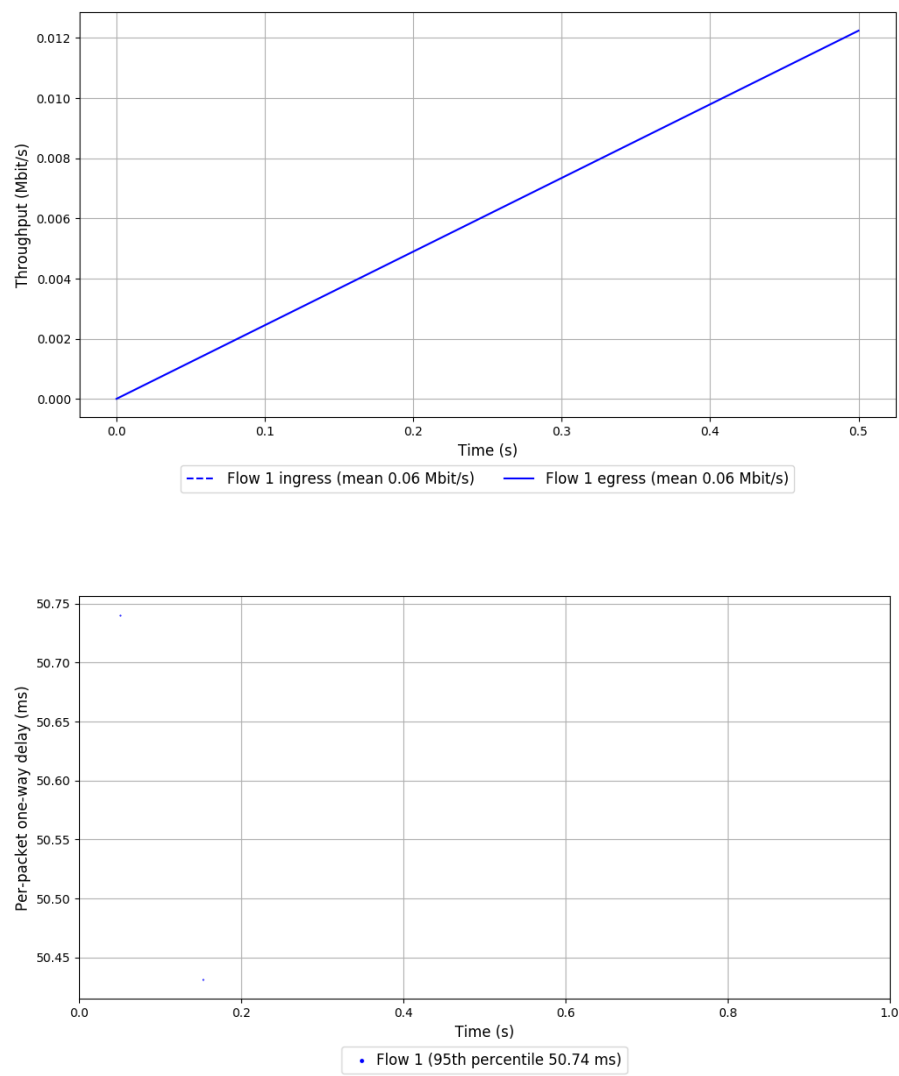
Start at: 2018-05-23 16:37:00

End at: 2018-05-23 16:37:30

Local clock offset: -0.028 ms

Remote clock offset: 0.579 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-05-23 16:56:50

End at: 2018-05-23 16:57:20

Local clock offset: 0.033 ms

Remote clock offset: 0.425 ms

Below is generated by plot.py at 2018-05-23 20:25:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.72 Mbit/s

95th percentile per-packet one-way delay: 50.953 ms

Loss rate: 0.00%

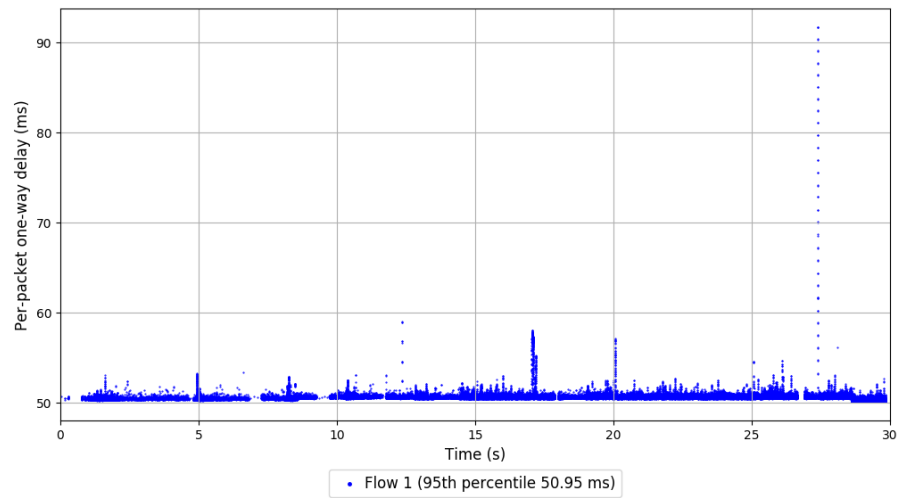
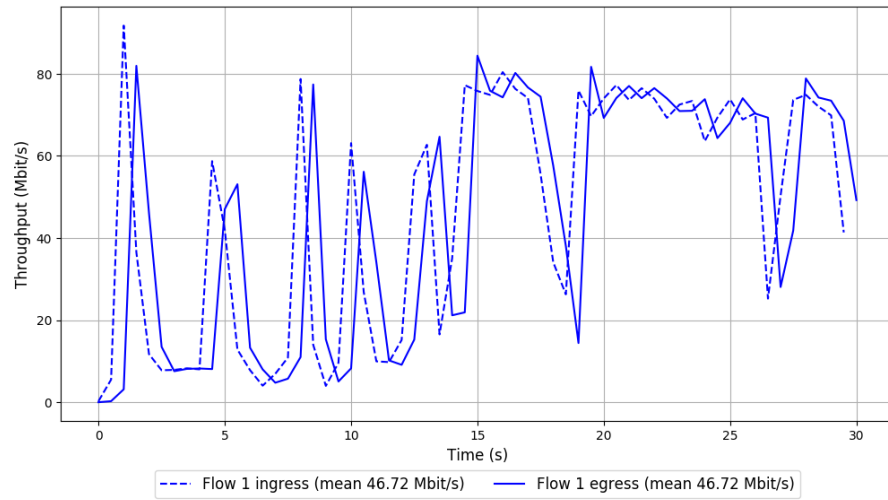
-- Flow 1:

Average throughput: 46.72 Mbit/s

95th percentile per-packet one-way delay: 50.953 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-05-23 17:16:39

End at: 2018-05-23 17:17:09

Local clock offset: 0.017 ms

Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-05-23 20:25:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.99 Mbit/s

95th percentile per-packet one-way delay: 50.970 ms

Loss rate: 0.00%

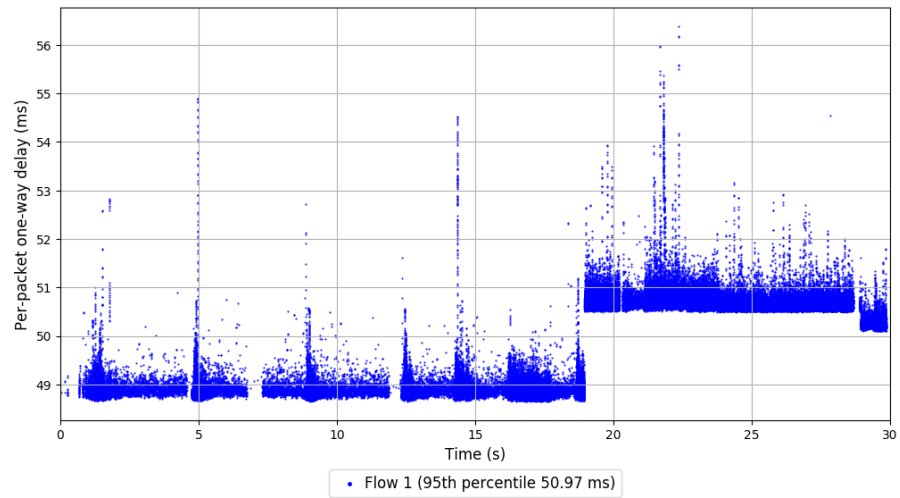
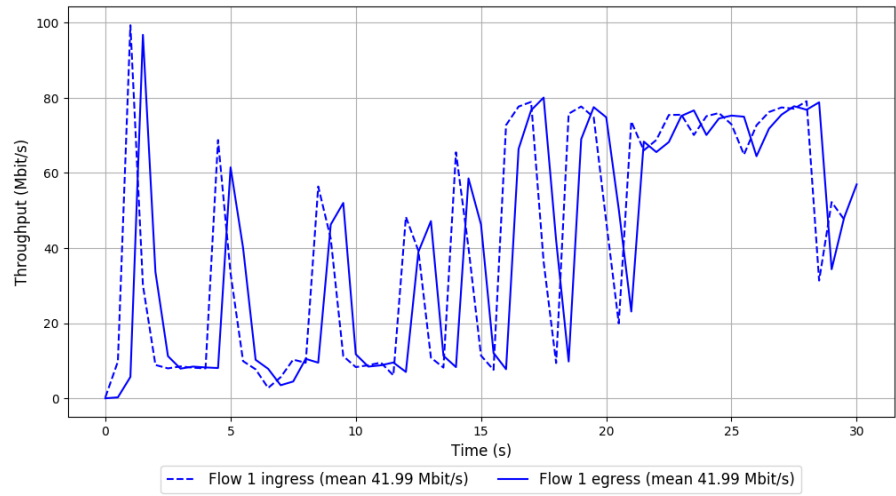
-- Flow 1:

Average throughput: 41.99 Mbit/s

95th percentile per-packet one-way delay: 50.970 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

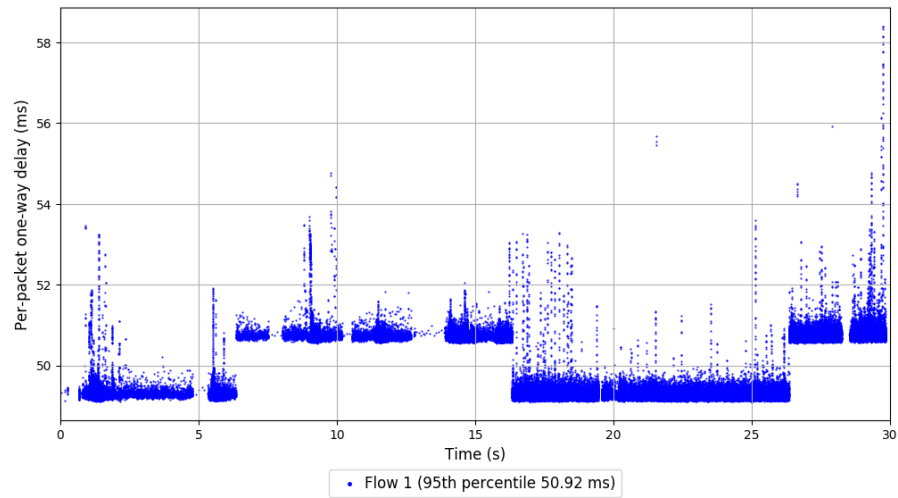
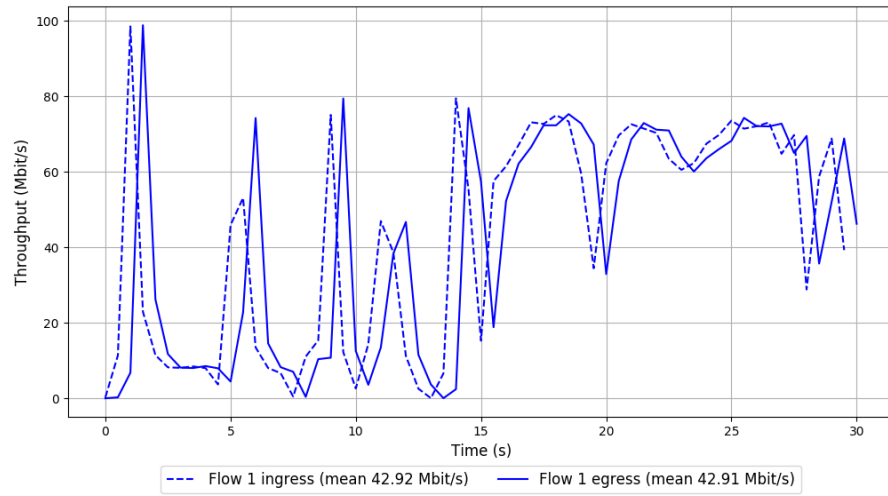


Run 5: Statistics of QUIC Cubic

Start at: 2018-05-23 17:36:32
End at: 2018-05-23 17:37:02
Local clock offset: -0.398 ms
Remote clock offset: -0.285 ms

Below is generated by plot.py at 2018-05-23 20:25:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 42.91 Mbit/s
95th percentile per-packet one-way delay: 50.921 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.91 Mbit/s
95th percentile per-packet one-way delay: 50.921 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

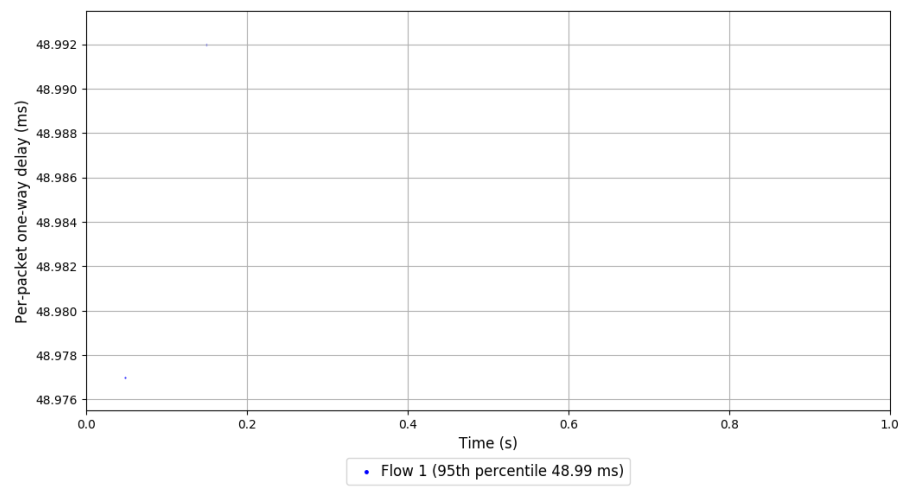
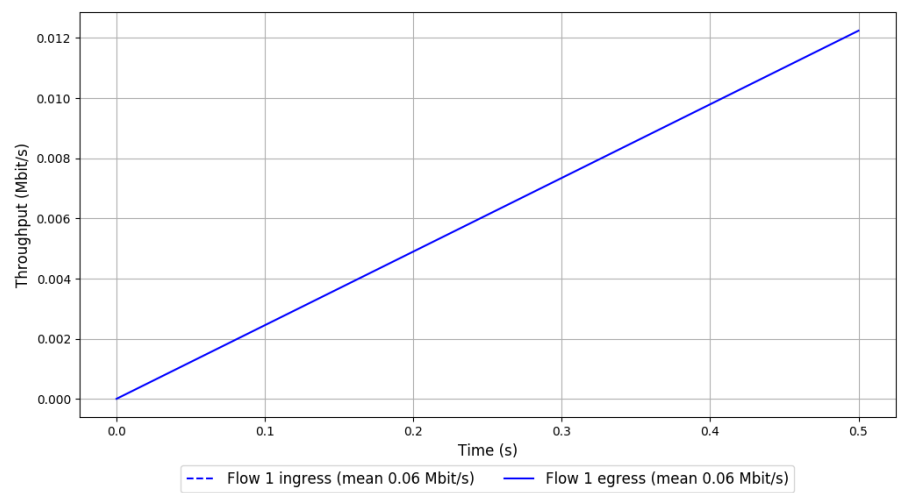
Start at: 2018-05-23 17:56:23

End at: 2018-05-23 17:56:53

Local clock offset: -0.047 ms

Remote clock offset: -0.461 ms

Run 6: Report of QUIC Cubic — Data Link

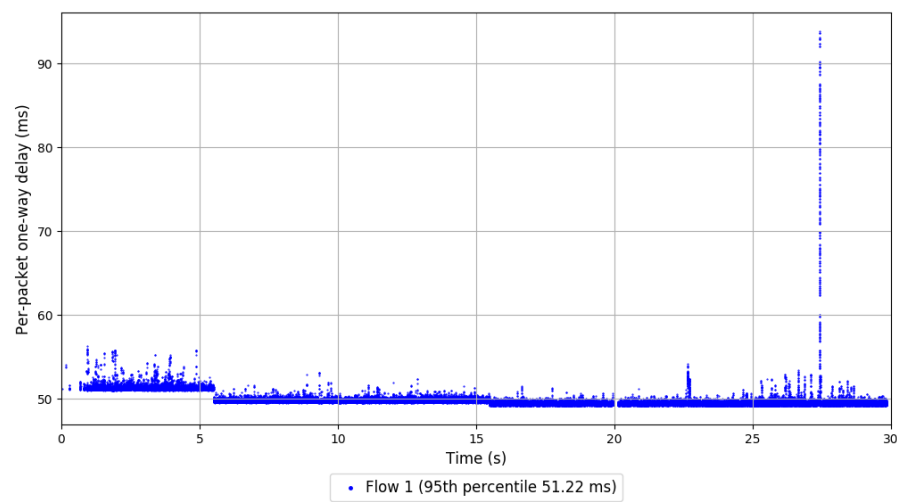
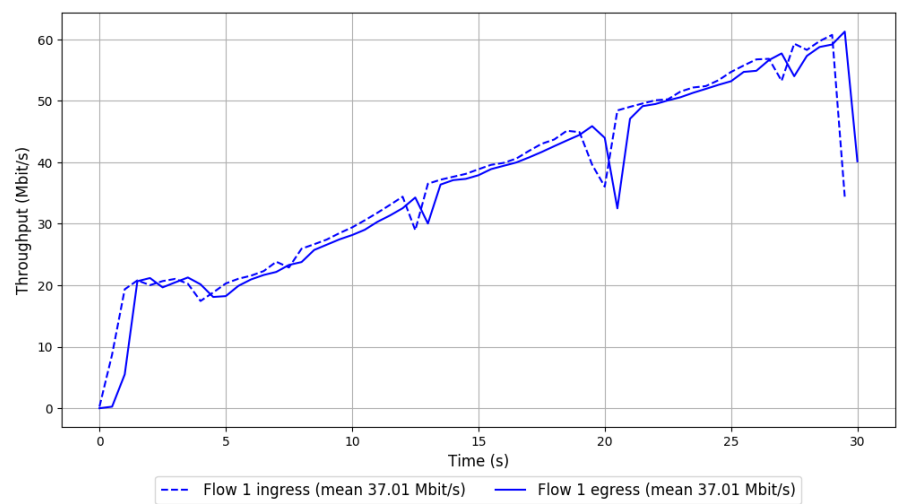


Run 7: Statistics of QUIC Cubic

Start at: 2018-05-23 18:16:13
End at: 2018-05-23 18:16:43
Local clock offset: -0.453 ms
Remote clock offset: -0.545 ms

Below is generated by plot.py at 2018-05-23 20:25:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.01 Mbit/s
95th percentile per-packet one-way delay: 51.222 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.01 Mbit/s
95th percentile per-packet one-way delay: 51.222 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

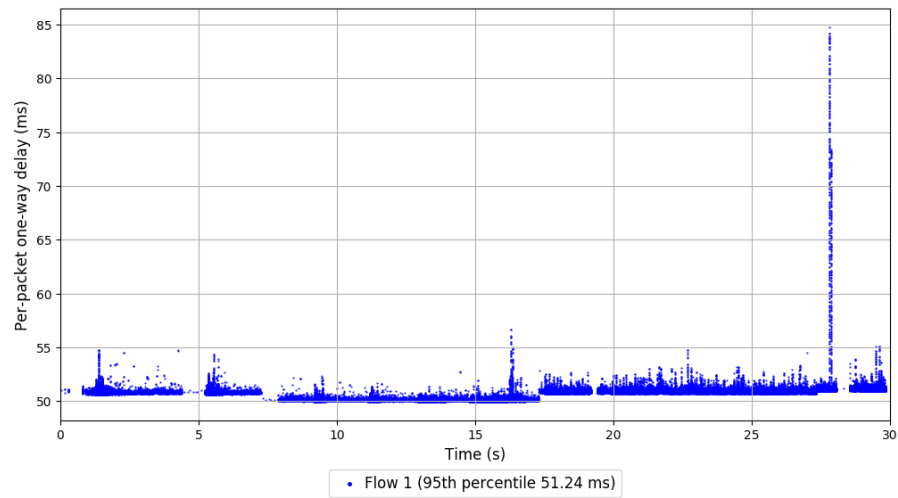
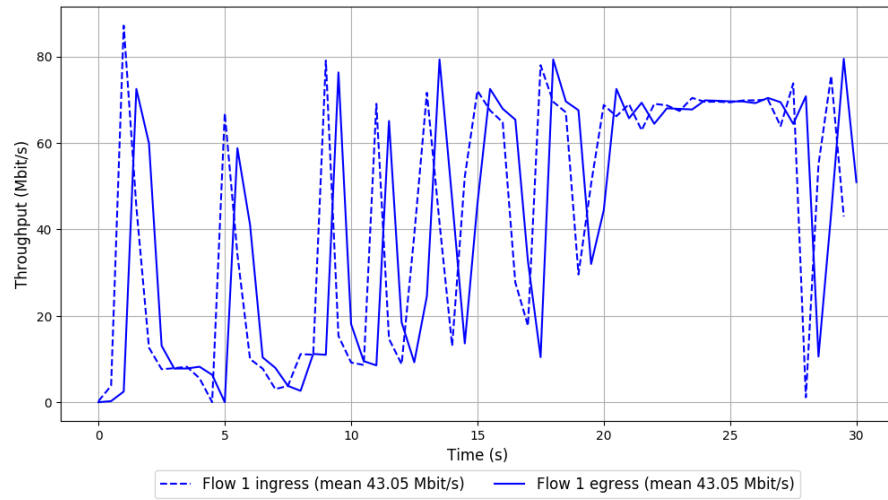


Run 8: Statistics of QUIC Cubic

Start at: 2018-05-23 18:36:01
End at: 2018-05-23 18:36:31
Local clock offset: -0.451 ms
Remote clock offset: -0.724 ms

Below is generated by plot.py at 2018-05-23 20:25:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 43.05 Mbit/s
95th percentile per-packet one-way delay: 51.236 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.05 Mbit/s
95th percentile per-packet one-way delay: 51.236 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-05-23 18:55:55

End at: 2018-05-23 18:56:25

Local clock offset: -0.04 ms

Remote clock offset: -0.875 ms

Below is generated by plot.py at 2018-05-23 20:25:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.62 Mbit/s

95th percentile per-packet one-way delay: 50.461 ms

Loss rate: 0.00%

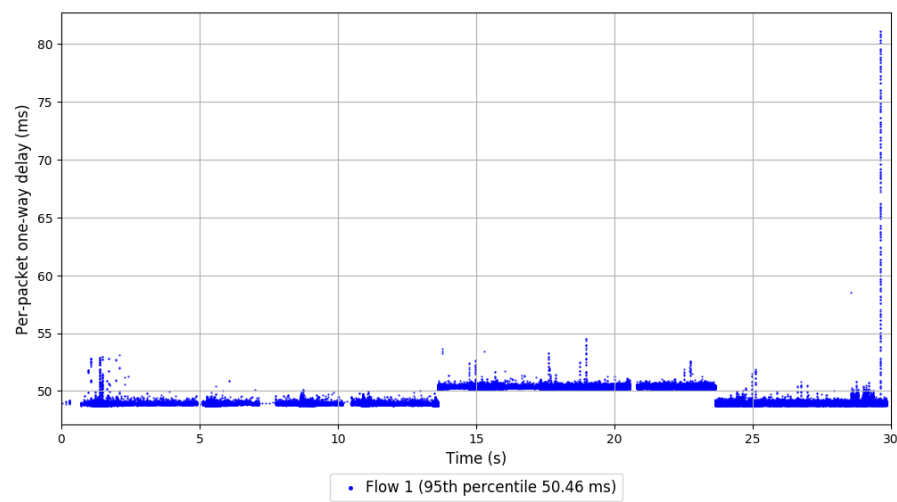
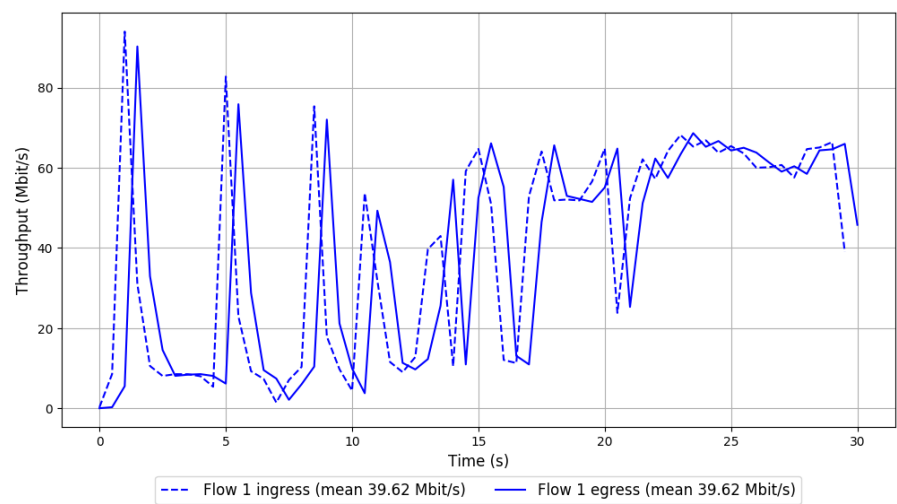
-- Flow 1:

Average throughput: 39.62 Mbit/s

95th percentile per-packet one-way delay: 50.461 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-05-23 19:15:56

End at: 2018-05-23 19:16:26

Local clock offset: -0.039 ms

Remote clock offset: -1.032 ms

Below is generated by plot.py at 2018-05-23 20:25:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.93 Mbit/s

95th percentile per-packet one-way delay: 51.578 ms

Loss rate: 0.00%

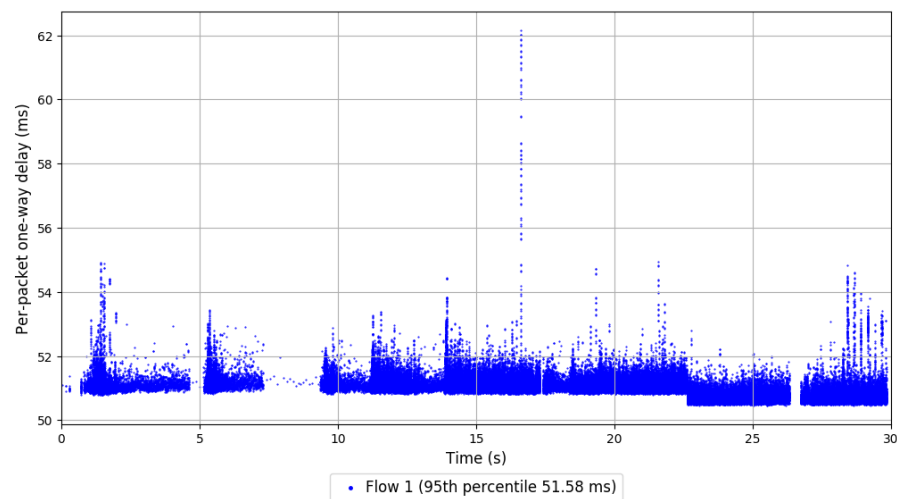
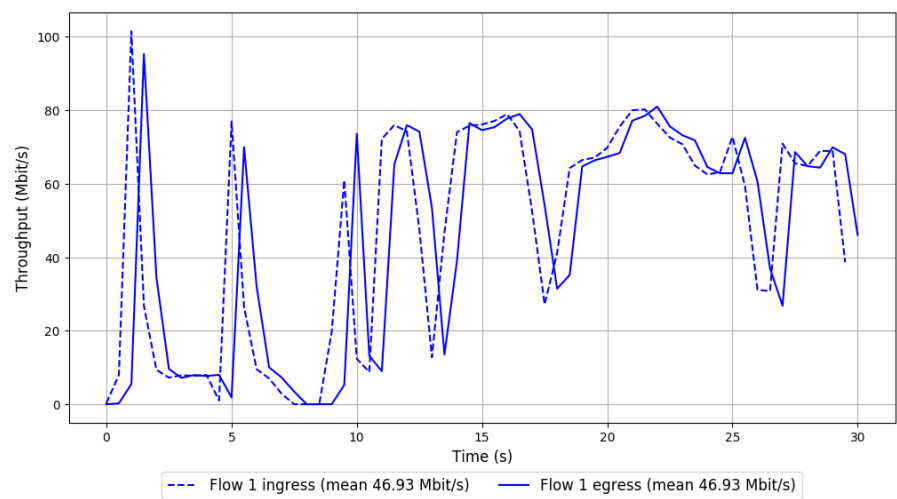
-- Flow 1:

Average throughput: 46.93 Mbit/s

95th percentile per-packet one-way delay: 51.578 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

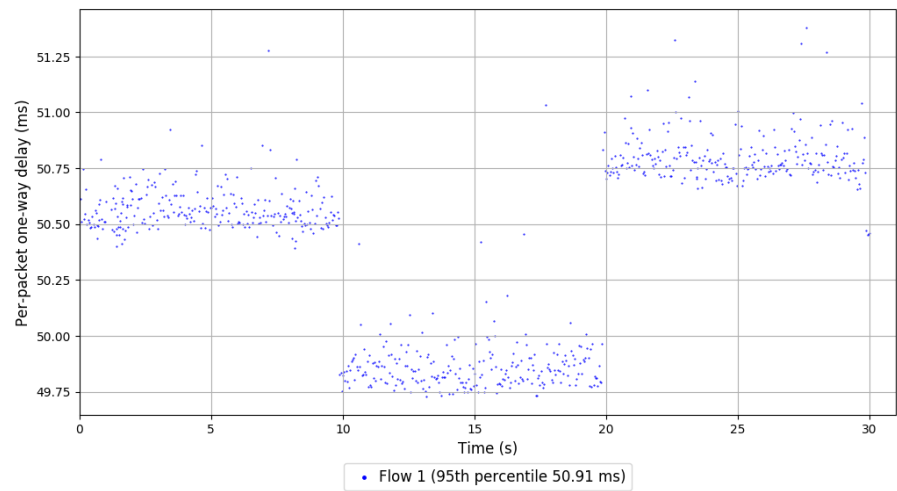
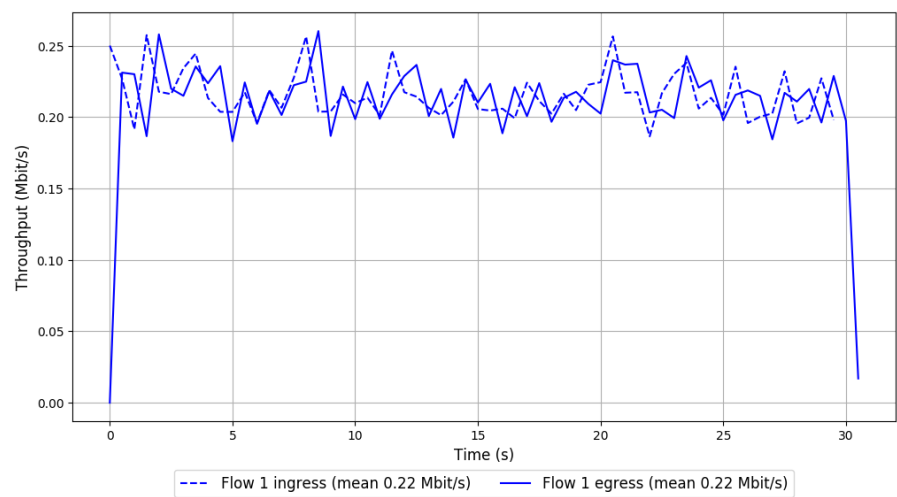


```
Run 1: Statistics of SCReAM

Start at: 2018-05-23 16:18:08
End at: 2018-05-23 16:18:38
Local clock offset: -0.026 ms
Remote clock offset: 0.14 ms

# Below is generated by plot.py at 2018-05-23 20:25:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.906 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.906 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-05-23 16:38:05

End at: 2018-05-23 16:38:35

Local clock offset: 0.022 ms

Remote clock offset: 0.589 ms

Below is generated by plot.py at 2018-05-23 20:25:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.631 ms

Loss rate: 0.00%

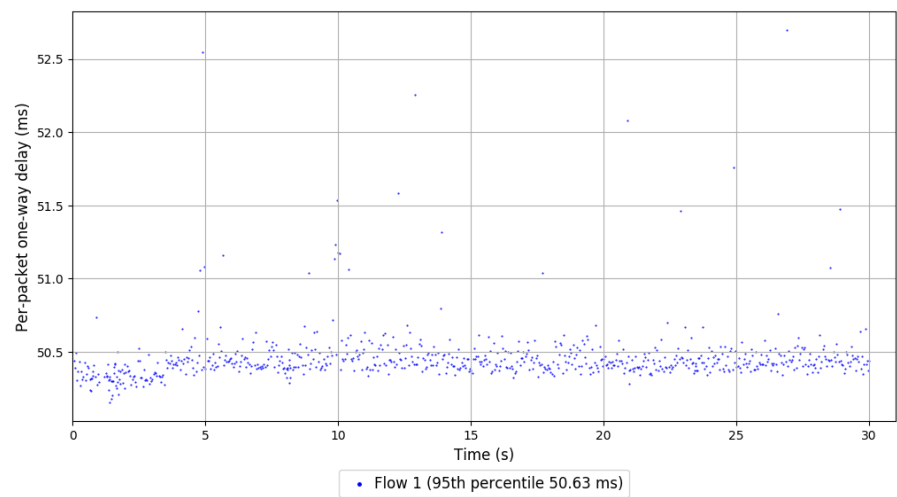
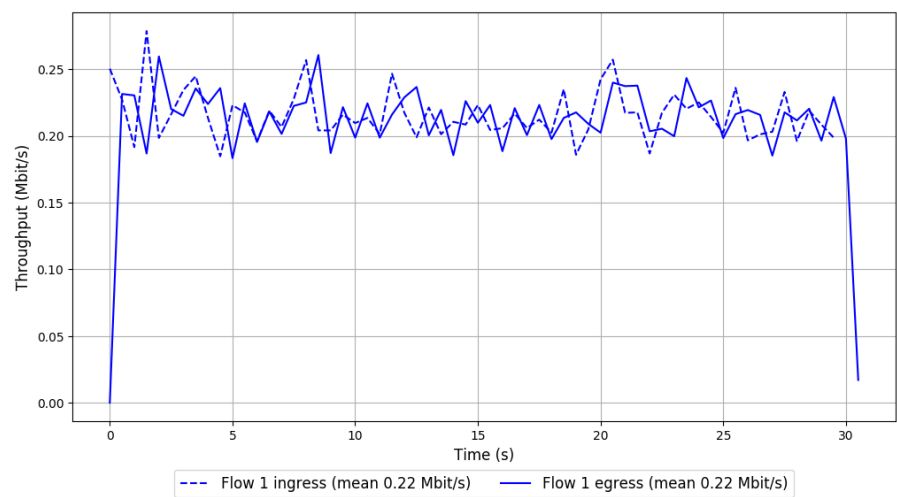
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.631 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-05-23 16:57:57

End at: 2018-05-23 16:58:27

Local clock offset: -0.031 ms

Remote clock offset: 0.343 ms

Below is generated by plot.py at 2018-05-23 20:25:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.862 ms

Loss rate: 0.00%

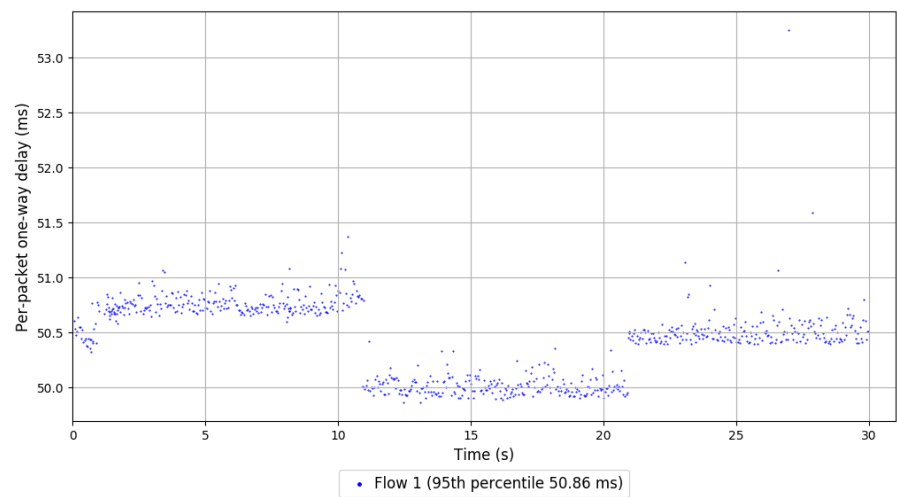
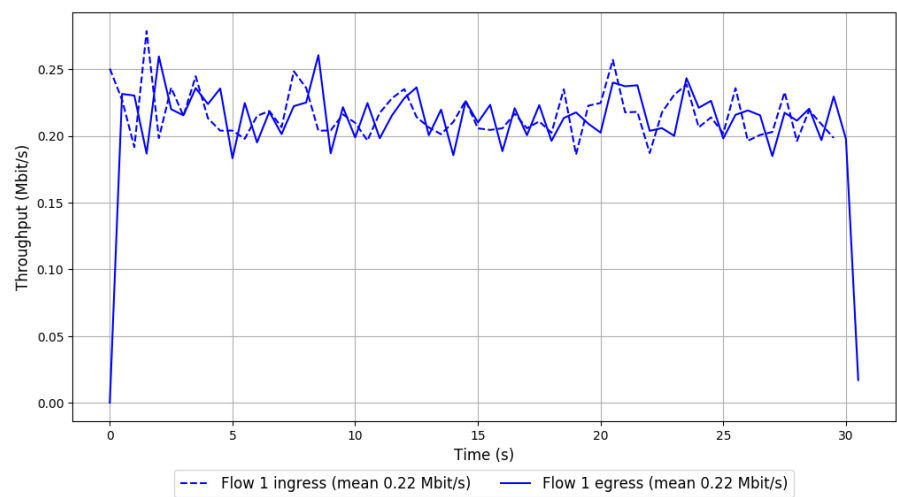
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.862 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

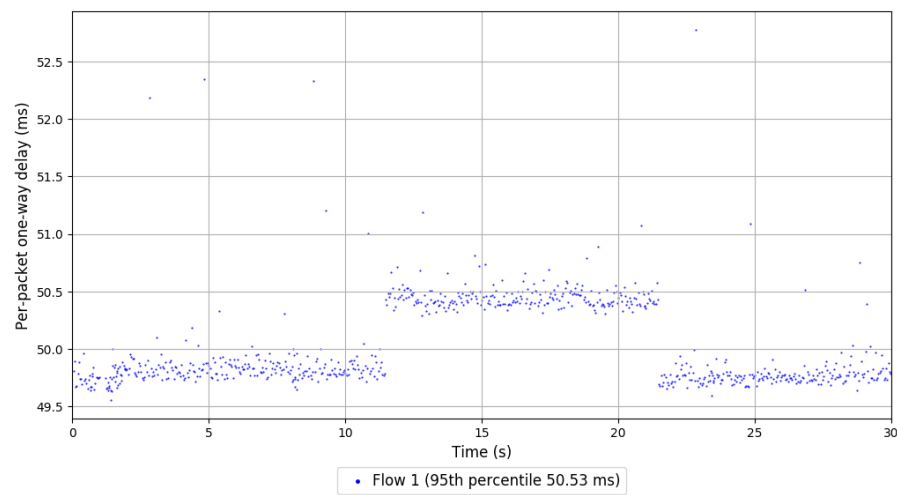
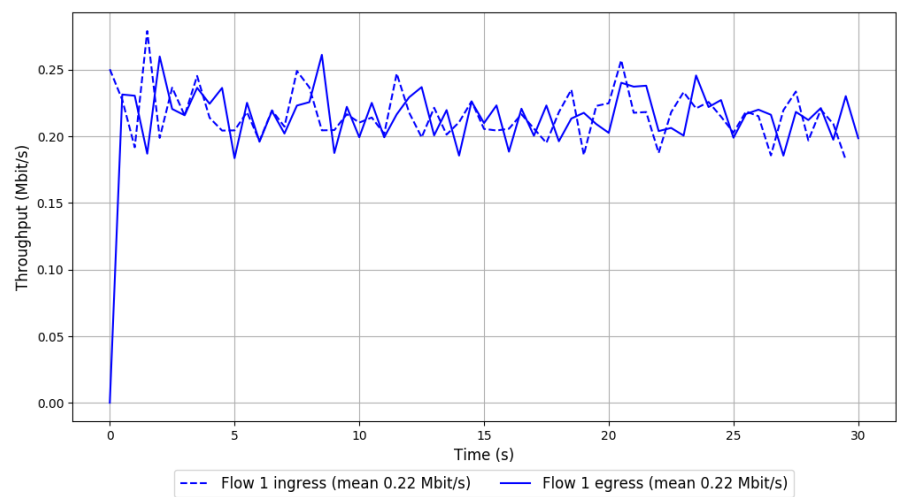


Run 4: Statistics of SCReAM

Start at: 2018-05-23 17:17:47
End at: 2018-05-23 17:18:17
Local clock offset: 0.006 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-05-23 20:25:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.531 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.531 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

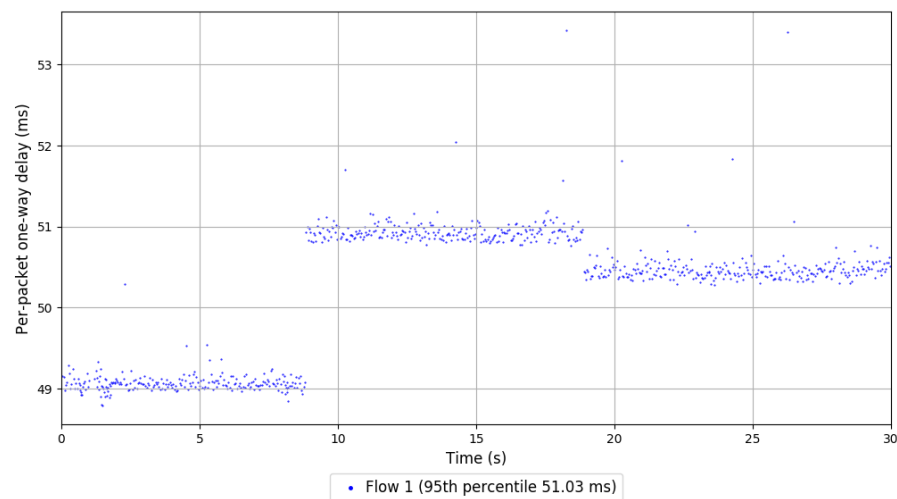
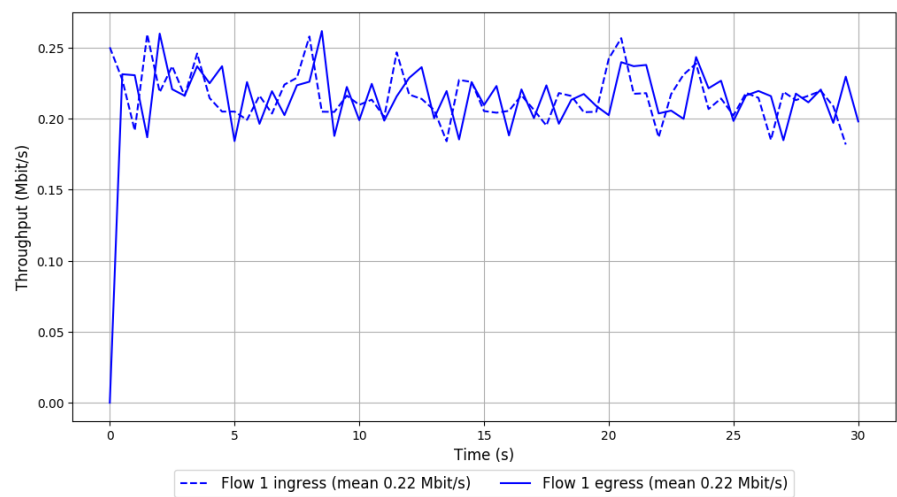


Run 5: Statistics of SCReAM

Start at: 2018-05-23 17:37:39
End at: 2018-05-23 17:38:10
Local clock offset: 0.018 ms
Remote clock offset: -0.285 ms

Below is generated by plot.py at 2018-05-23 20:25:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.033 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.033 ms
Loss rate: 0.00%

Run 5: Report of SCRaM — Data Link

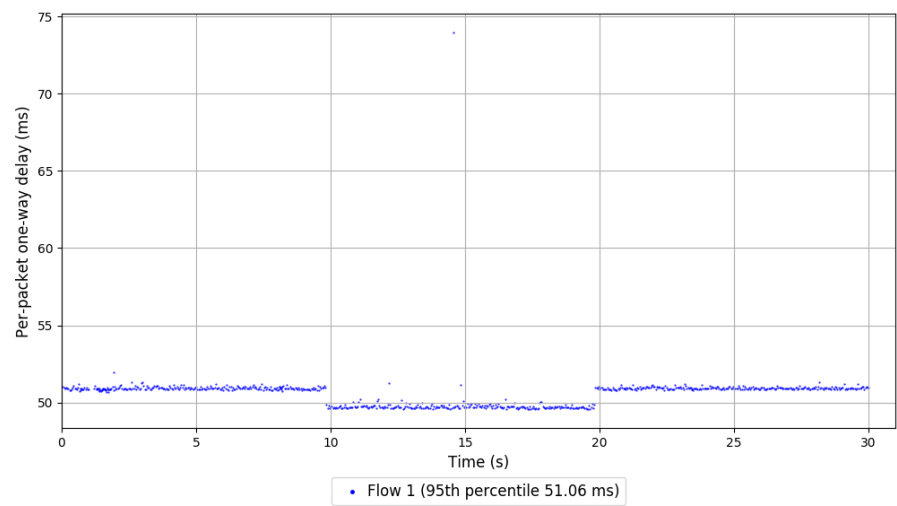
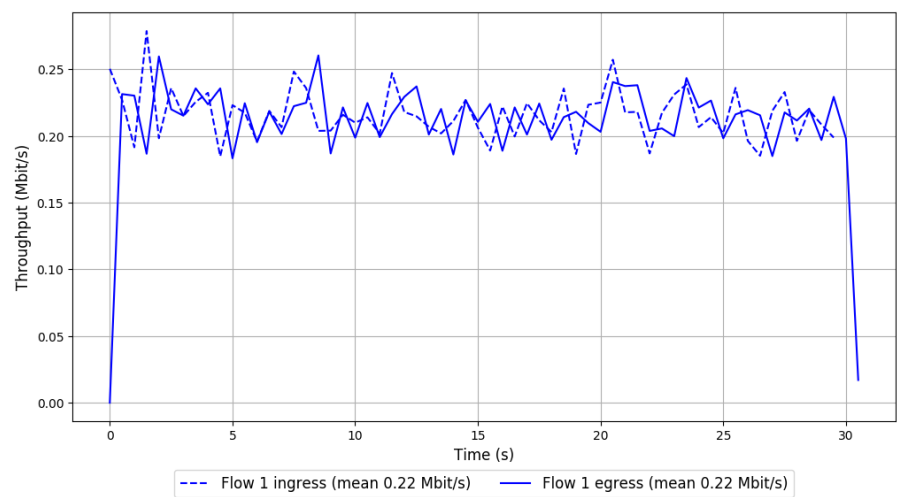


Run 6: Statistics of SCReAM

Start at: 2018-05-23 17:57:29
End at: 2018-05-23 17:57:59
Local clock offset: -0.433 ms
Remote clock offset: -0.439 ms

Below is generated by plot.py at 2018-05-23 20:25:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.059 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.059 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

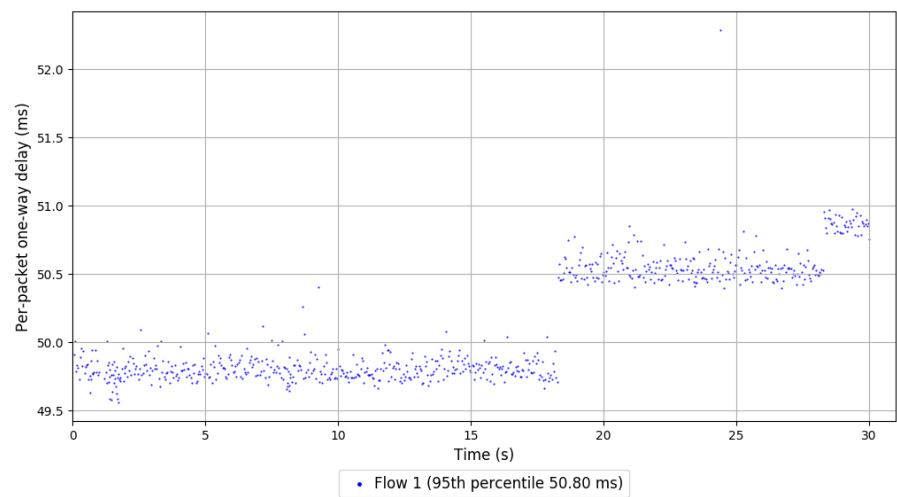
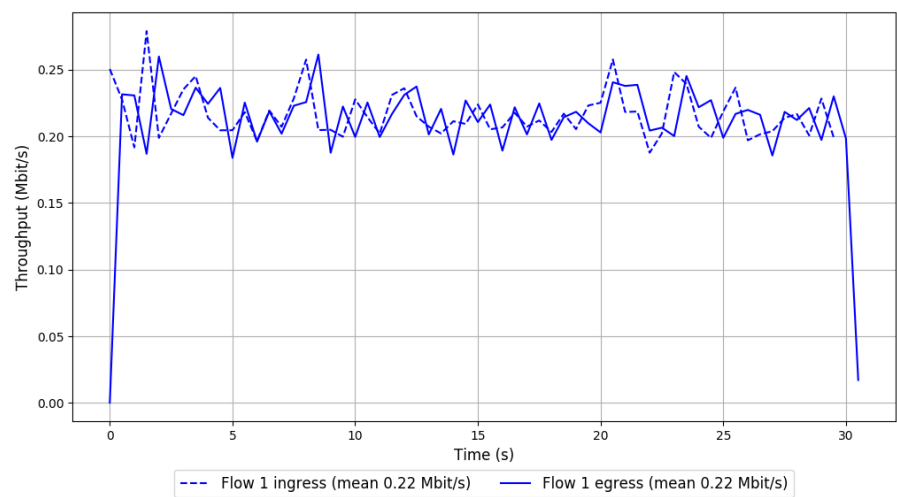


Run 7: Statistics of SCReAM

Start at: 2018-05-23 18:17:20
End at: 2018-05-23 18:17:50
Local clock offset: -0.086 ms
Remote clock offset: -0.582 ms

Below is generated by plot.py at 2018-05-23 20:25:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.800 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.800 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

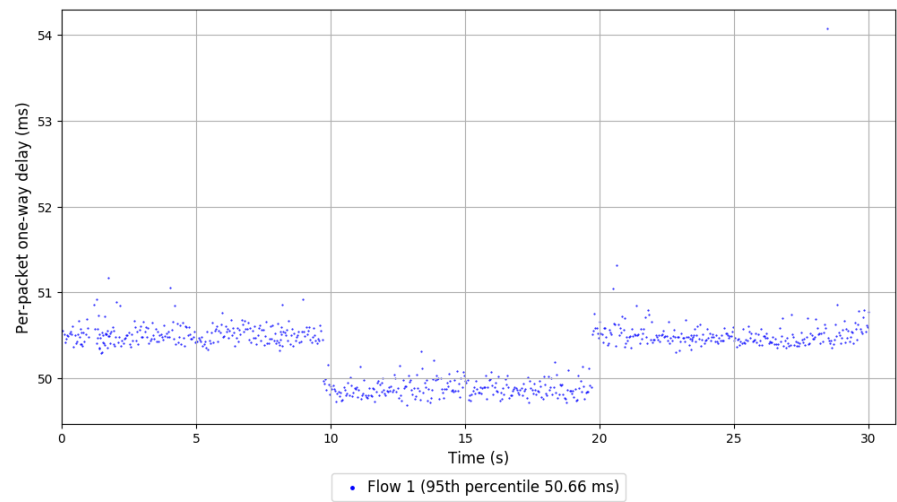
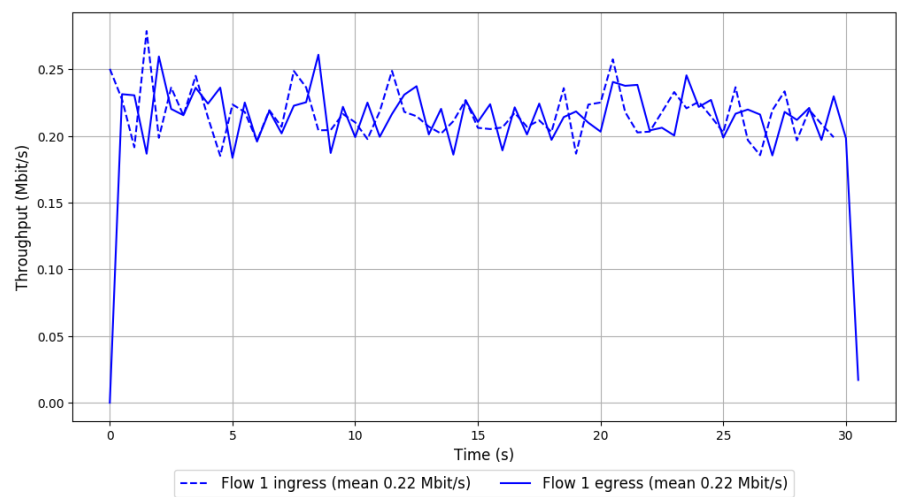


Run 8: Statistics of SCReAM

Start at: 2018-05-23 18:37:09
End at: 2018-05-23 18:37:39
Local clock offset: -0.052 ms
Remote clock offset: -0.729 ms

Below is generated by plot.py at 2018-05-23 20:25:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.665 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.665 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

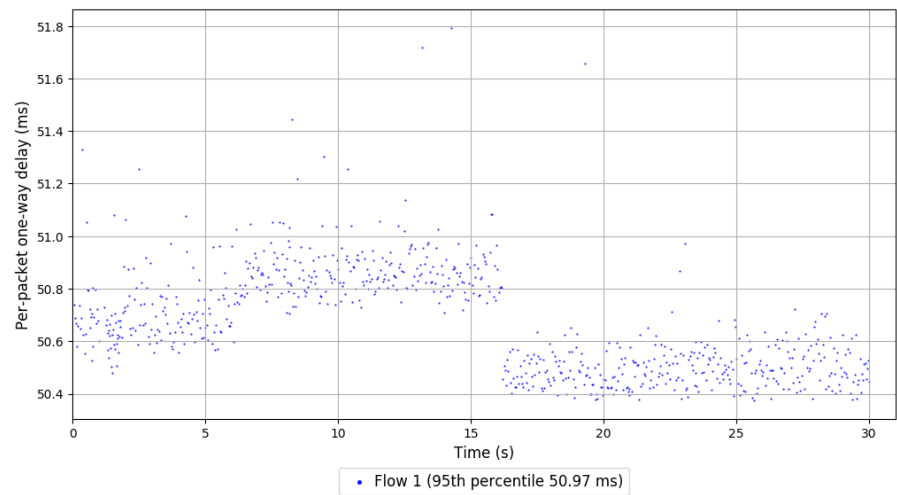
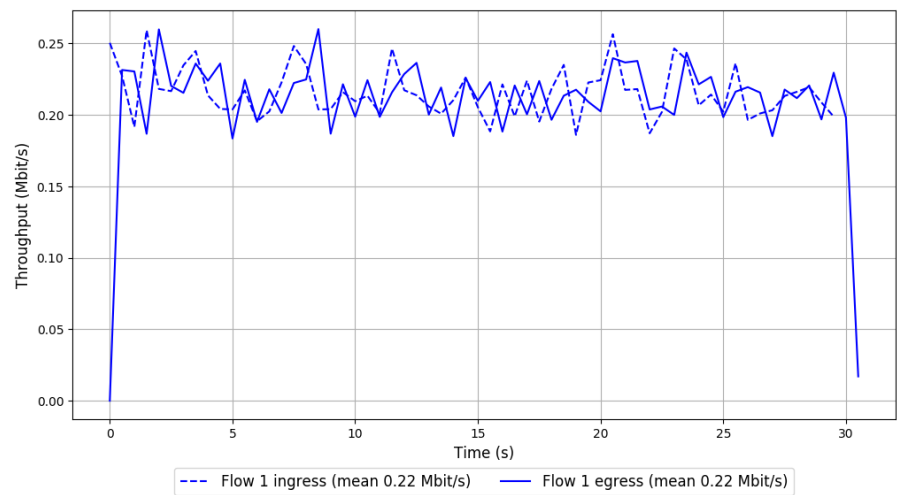


Run 9: Statistics of SCReAM

Start at: 2018-05-23 18:57:02
End at: 2018-05-23 18:57:32
Local clock offset: -0.02 ms
Remote clock offset: -0.907 ms

Below is generated by plot.py at 2018-05-23 20:25:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.965 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.965 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

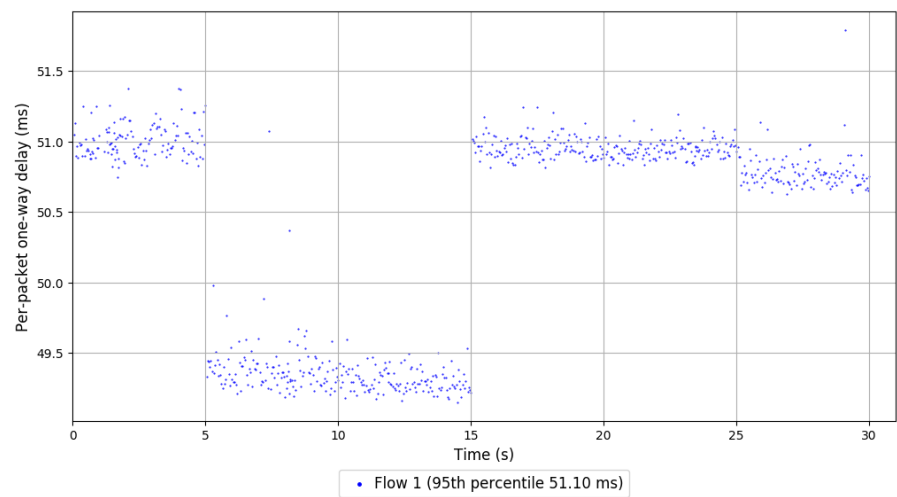
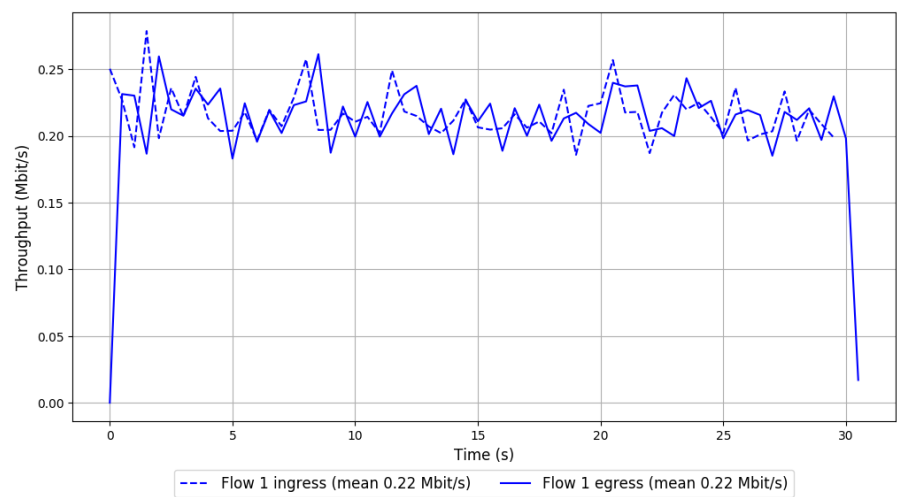


Run 10: Statistics of SReAM

Start at: 2018-05-23 19:17:03
End at: 2018-05-23 19:17:33
Local clock offset: -0.044 ms
Remote clock offset: -1.041 ms

Below is generated by plot.py at 2018-05-23 20:25:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.099 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.099 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

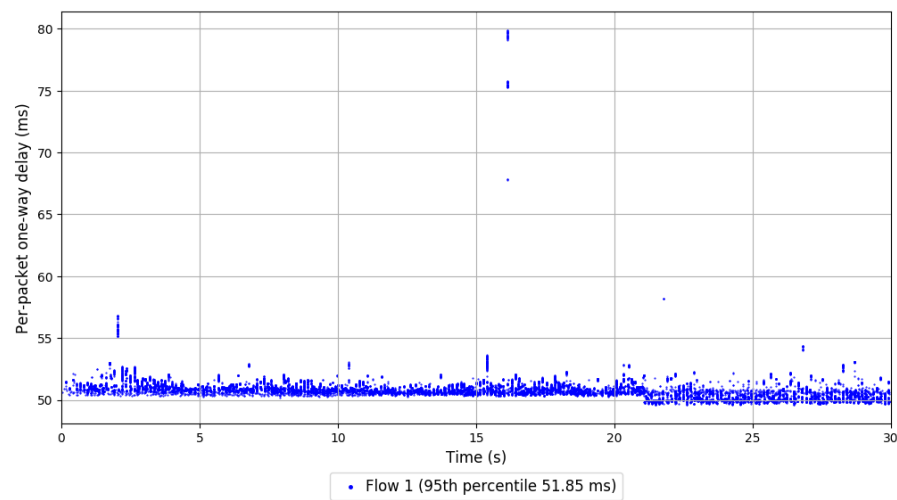
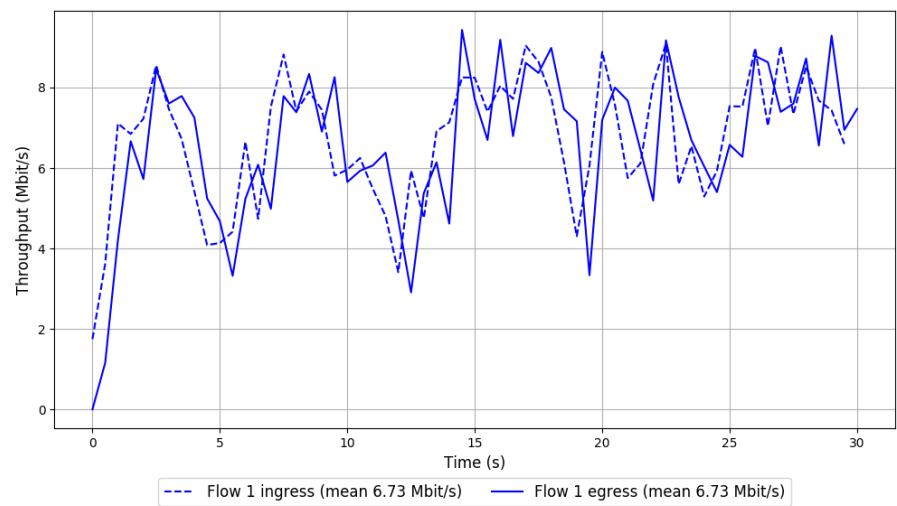


Run 1: Statistics of Sprout

Start at: 2018-05-23 16:15:57
End at: 2018-05-23 16:16:27
Local clock offset: -0.027 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-05-23 20:25:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.73 Mbit/s
95th percentile per-packet one-way delay: 51.847 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.73 Mbit/s
95th percentile per-packet one-way delay: 51.847 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-05-23 16:35:54

End at: 2018-05-23 16:36:24

Local clock offset: 0.014 ms

Remote clock offset: 0.561 ms

Below is generated by plot.py at 2018-05-23 20:25:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.76 Mbit/s

95th percentile per-packet one-way delay: 51.537 ms

Loss rate: 0.00%

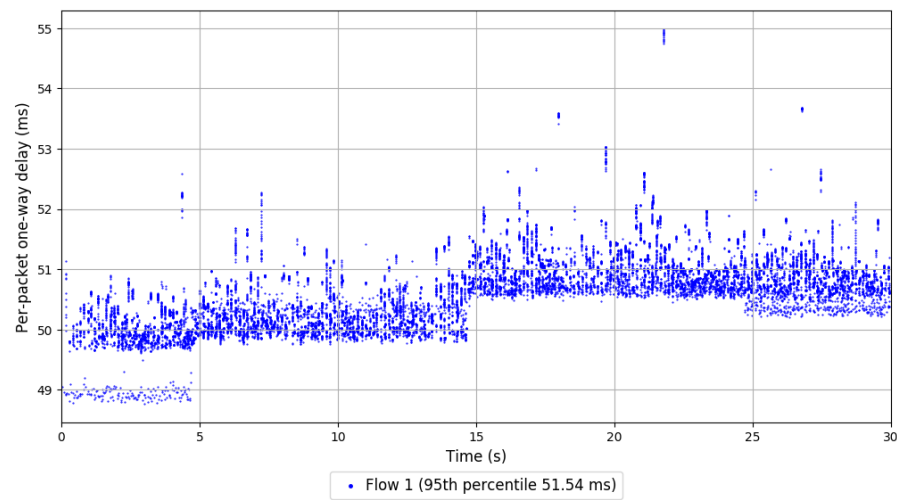
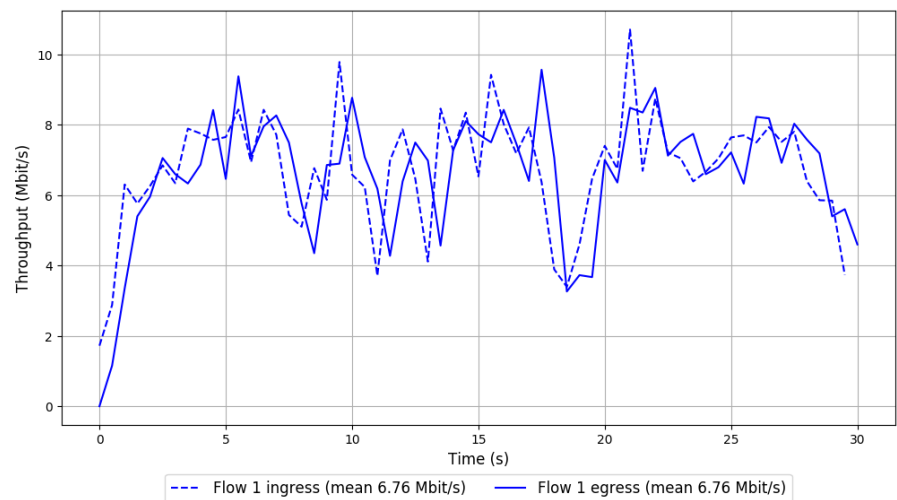
-- Flow 1:

Average throughput: 6.76 Mbit/s

95th percentile per-packet one-way delay: 51.537 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

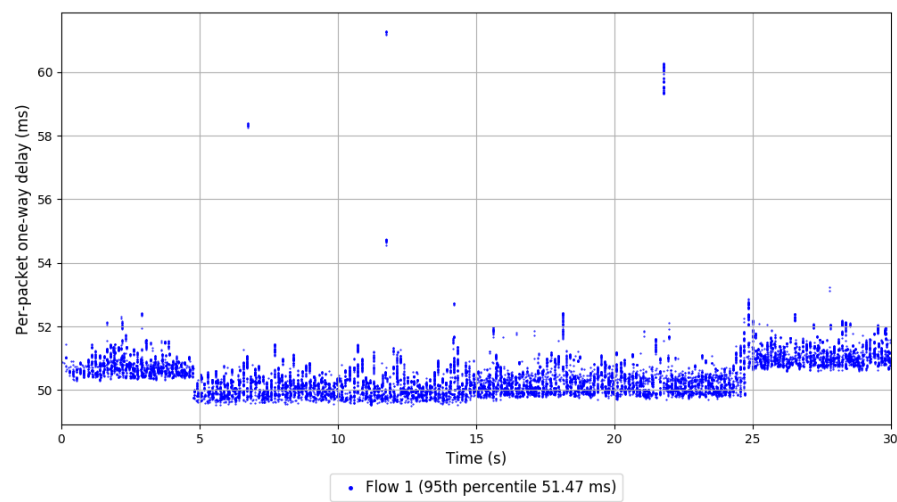
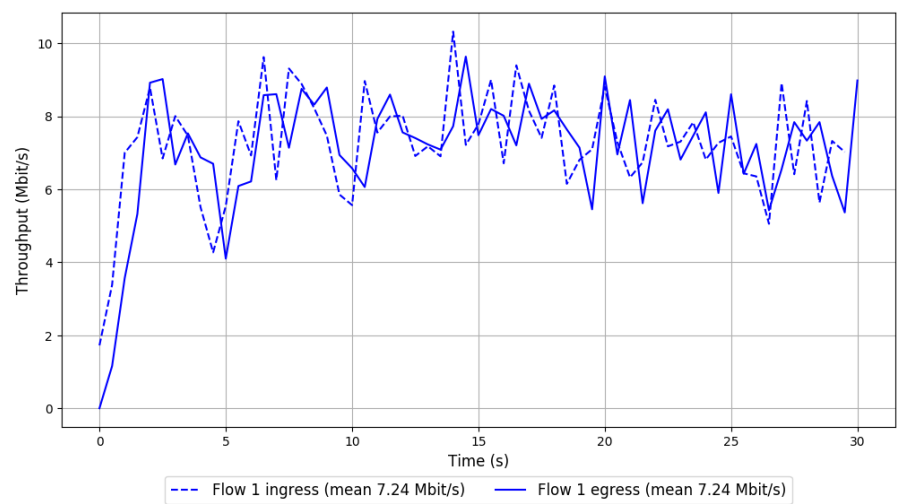


Run 3: Statistics of Sprout

Start at: 2018-05-23 16:55:44
End at: 2018-05-23 16:56:14
Local clock offset: 0.007 ms
Remote clock offset: 0.48 ms

Below is generated by plot.py at 2018-05-23 20:25:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.24 Mbit/s
95th percentile per-packet one-way delay: 51.472 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.24 Mbit/s
95th percentile per-packet one-way delay: 51.472 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

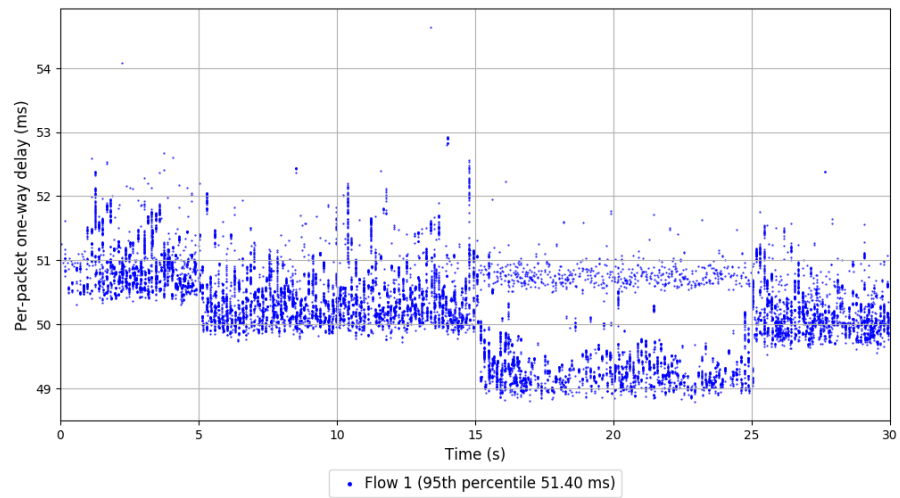
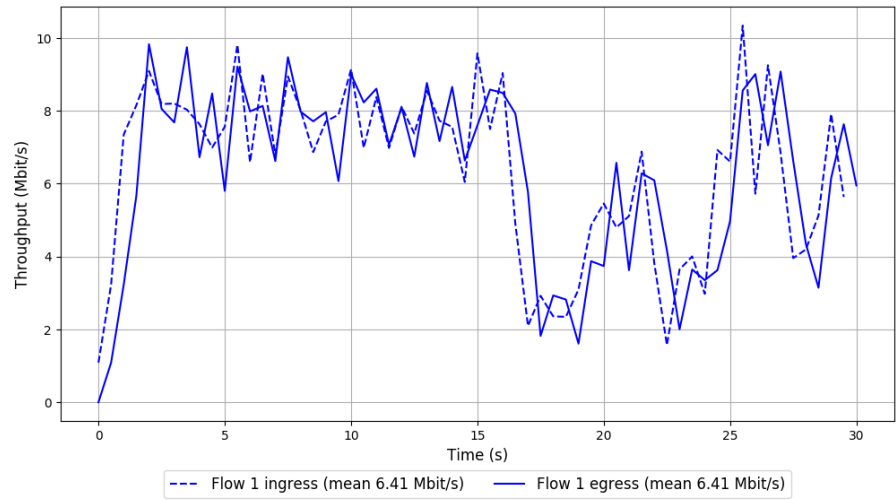


Run 4: Statistics of Sprout

Start at: 2018-05-23 17:15:33
End at: 2018-05-23 17:16:03
Local clock offset: 0.036 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-05-23 20:25:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.41 Mbit/s
95th percentile per-packet one-way delay: 51.403 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.41 Mbit/s
95th percentile per-packet one-way delay: 51.403 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

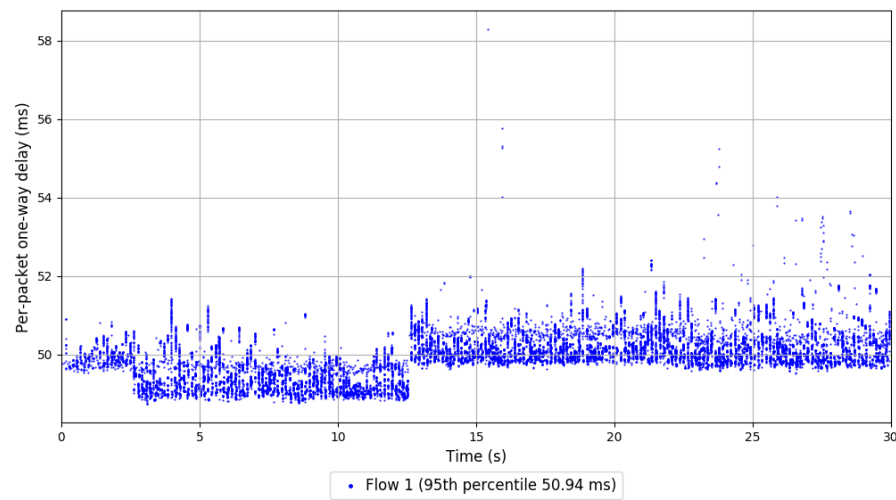
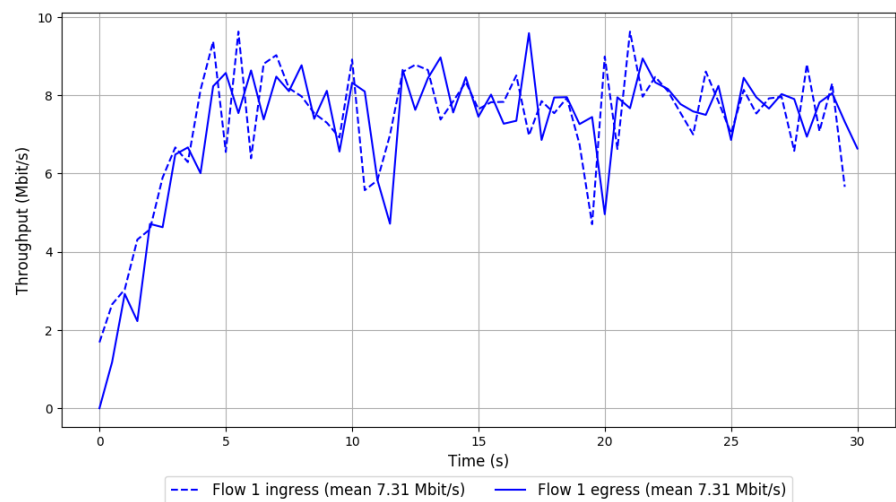


Run 5: Statistics of Sprout

Start at: 2018-05-23 17:35:26
End at: 2018-05-23 17:35:56
Local clock offset: -0.021 ms
Remote clock offset: -0.318 ms

Below is generated by plot.py at 2018-05-23 20:25:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 50.940 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 50.940 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

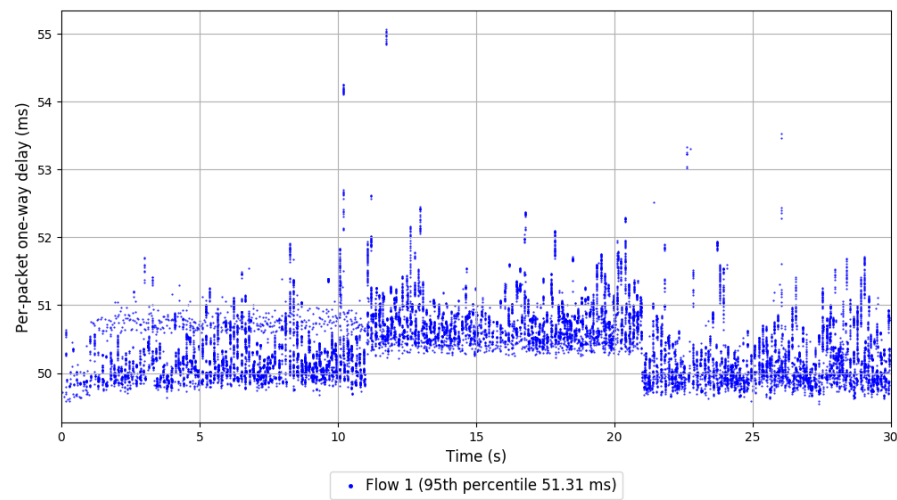
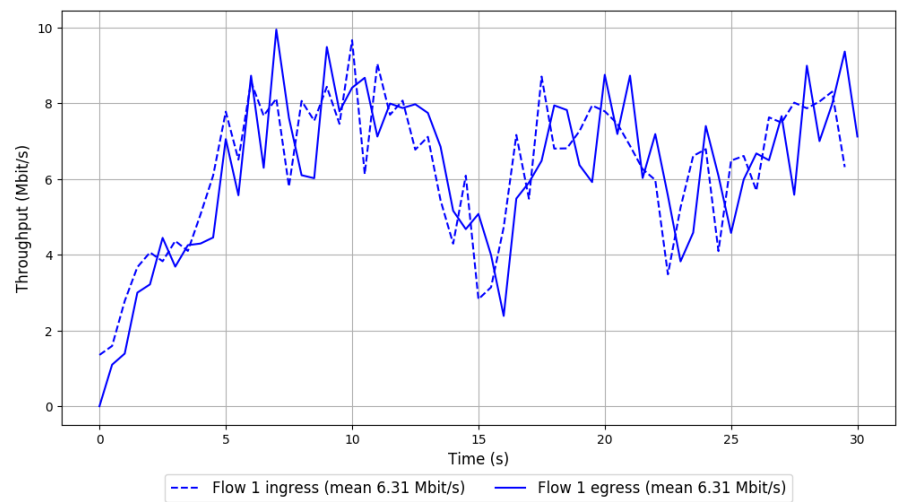


Run 6: Statistics of Sprout

Start at: 2018-05-23 17:55:17
End at: 2018-05-23 17:55:47
Local clock offset: -0.03 ms
Remote clock offset: -0.425 ms

Below is generated by plot.py at 2018-05-23 20:25:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.31 Mbit/s
95th percentile per-packet one-way delay: 51.310 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.31 Mbit/s
95th percentile per-packet one-way delay: 51.310 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-05-23 18:15:07

End at: 2018-05-23 18:15:37

Local clock offset: -0.423 ms

Remote clock offset: -0.59 ms

Below is generated by plot.py at 2018-05-23 20:25:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.52 Mbit/s

95th percentile per-packet one-way delay: 51.215 ms

Loss rate: 0.00%

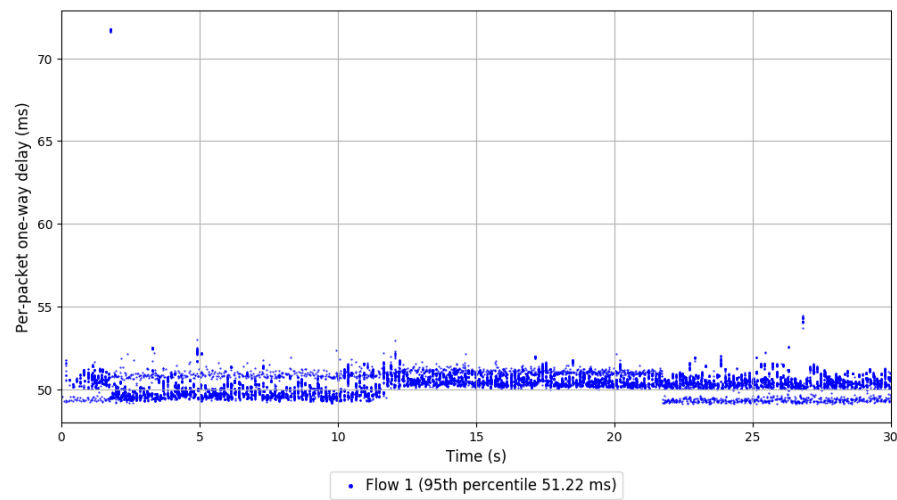
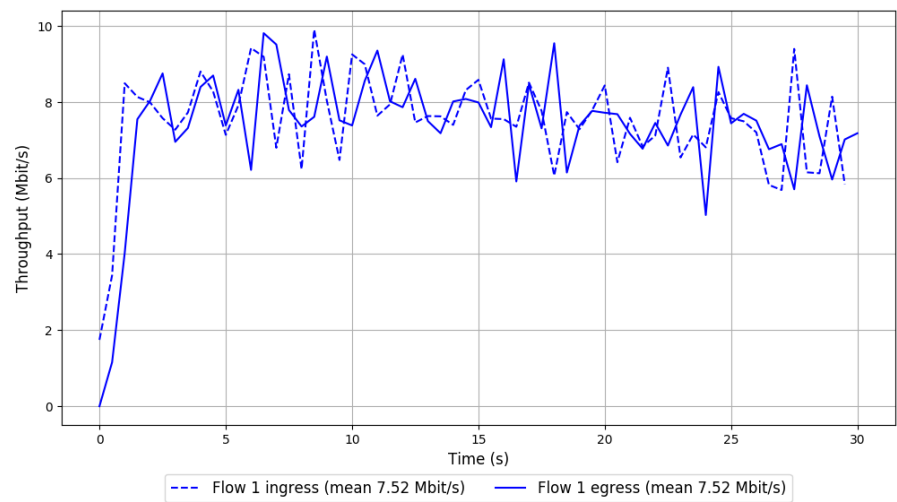
-- Flow 1:

Average throughput: 7.52 Mbit/s

95th percentile per-packet one-way delay: 51.215 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

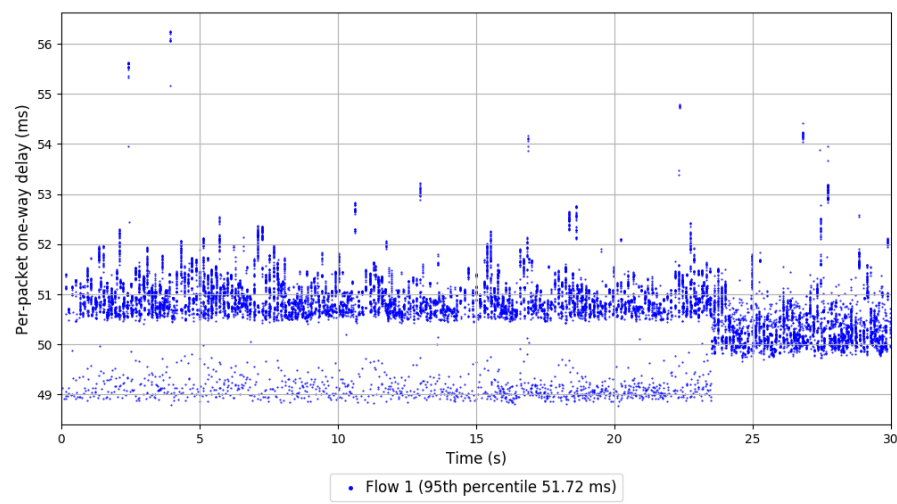
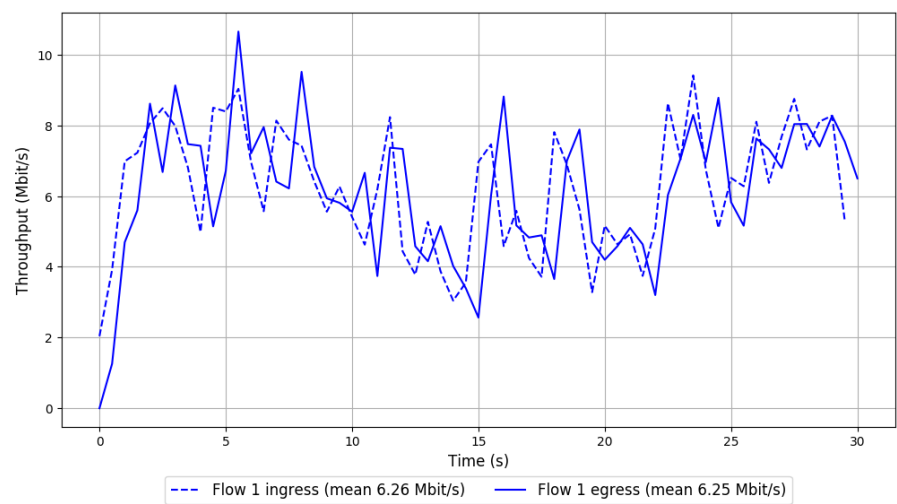


Run 8: Statistics of Sprout

Start at: 2018-05-23 18:34:55
End at: 2018-05-23 18:35:25
Local clock offset: -0.062 ms
Remote clock offset: -0.714 ms

Below is generated by plot.py at 2018-05-23 20:25:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.25 Mbit/s
95th percentile per-packet one-way delay: 51.721 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.25 Mbit/s
95th percentile per-packet one-way delay: 51.721 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

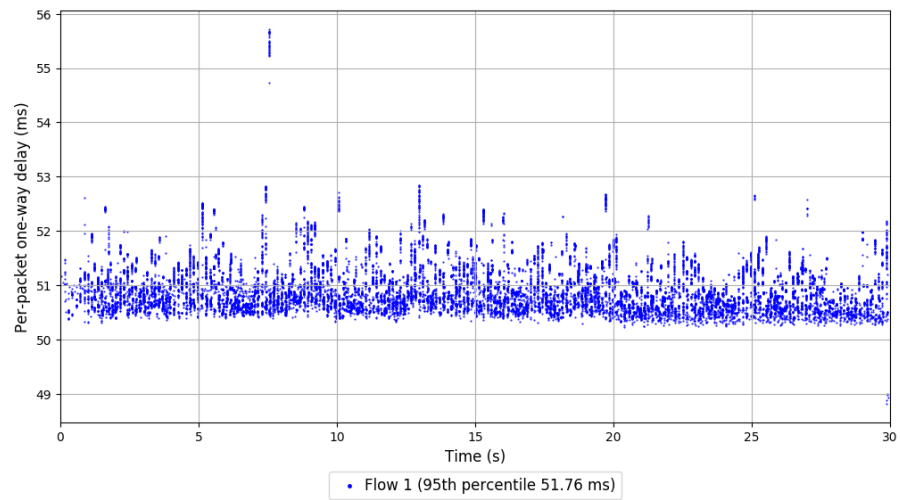
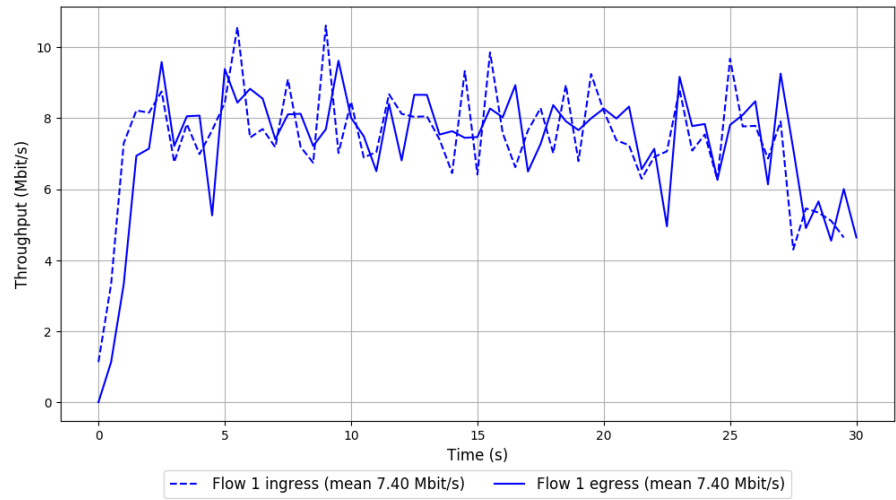


Run 9: Statistics of Sprout

Start at: 2018-05-23 18:54:48
End at: 2018-05-23 18:55:18
Local clock offset: -0.017 ms
Remote clock offset: -0.833 ms

Below is generated by plot.py at 2018-05-23 20:25:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.40 Mbit/s
95th percentile per-packet one-way delay: 51.759 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.40 Mbit/s
95th percentile per-packet one-way delay: 51.759 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-05-23 19:14:49

End at: 2018-05-23 19:15:19

Local clock offset: 0.299 ms

Remote clock offset: -0.98 ms

Below is generated by plot.py at 2018-05-23 20:25:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.04 Mbit/s

95th percentile per-packet one-way delay: 51.756 ms

Loss rate: 0.00%

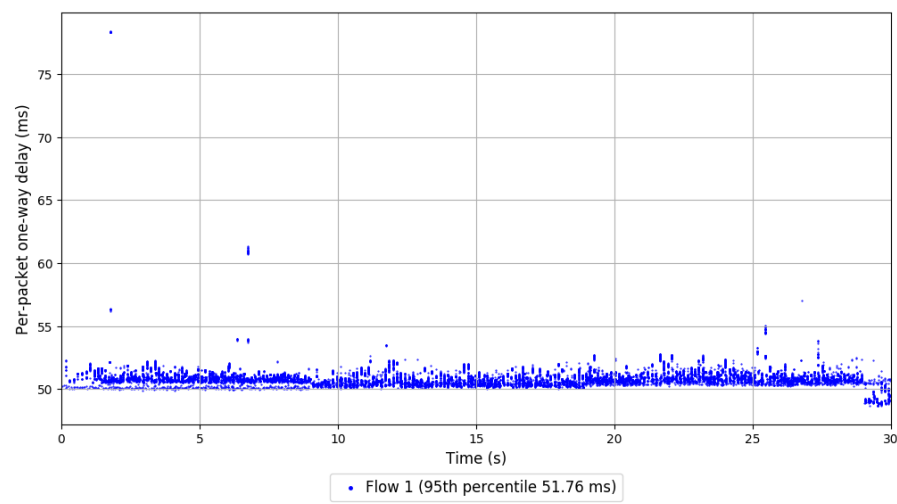
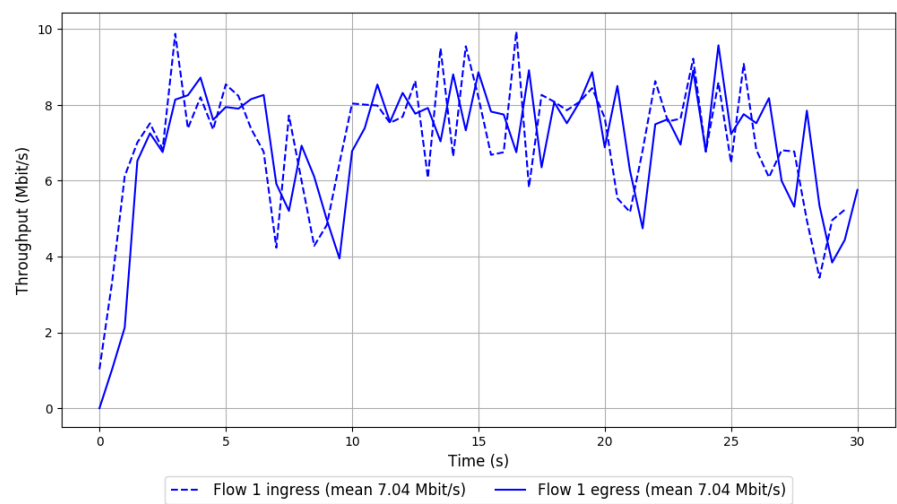
-- Flow 1:

Average throughput: 7.04 Mbit/s

95th percentile per-packet one-way delay: 51.756 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

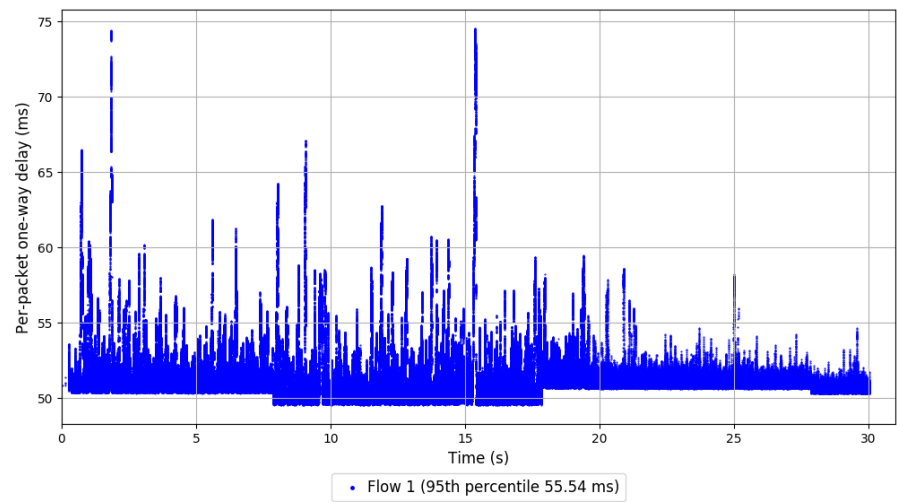
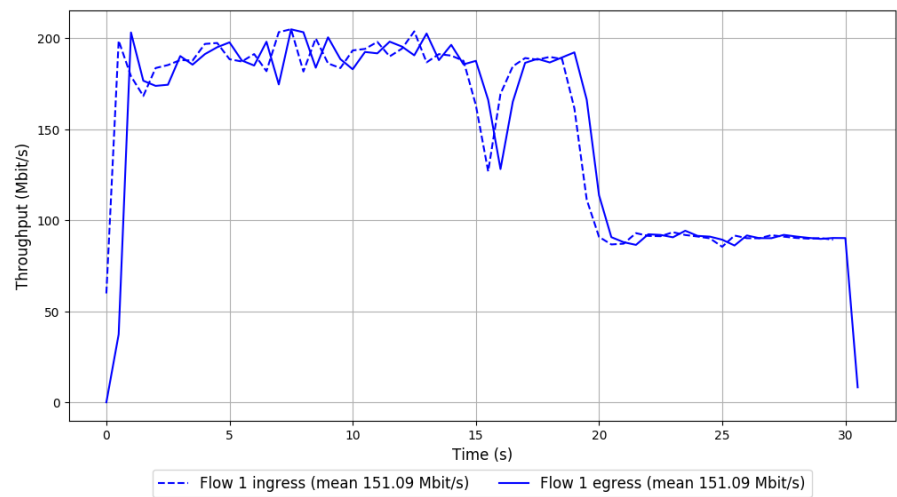


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-05-23 16:24:30
End at: 2018-05-23 16:25:01
Local clock offset: -0.007 ms
Remote clock offset: 0.354 ms

# Below is generated by plot.py at 2018-05-23 20:26:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 151.09 Mbit/s
95th percentile per-packet one-way delay: 55.536 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 151.09 Mbit/s
95th percentile per-packet one-way delay: 55.536 ms
Loss rate: 0.00%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-05-23 16:44:30

End at: 2018-05-23 16:45:00

Local clock offset: 0.381 ms

Remote clock offset: 0.637 ms

Below is generated by plot.py at 2018-05-23 20:26:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 145.62 Mbit/s

95th percentile per-packet one-way delay: 53.374 ms

Loss rate: 0.00%

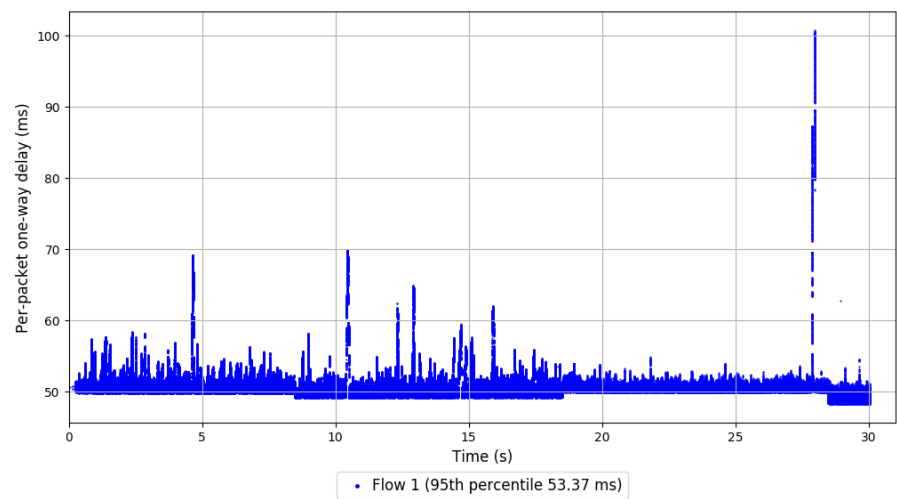
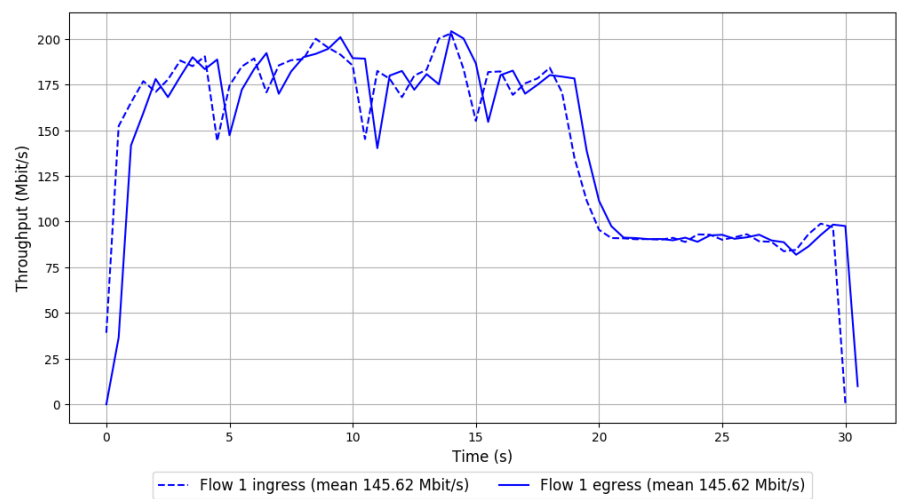
-- Flow 1:

Average throughput: 145.62 Mbit/s

95th percentile per-packet one-way delay: 53.374 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-05-23 17:04:17

End at: 2018-05-23 17:04:47

Local clock offset: 0.061 ms

Remote clock offset: 0.125 ms

Below is generated by plot.py at 2018-05-23 20:27:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.05 Mbit/s

95th percentile per-packet one-way delay: 54.761 ms

Loss rate: 0.00%

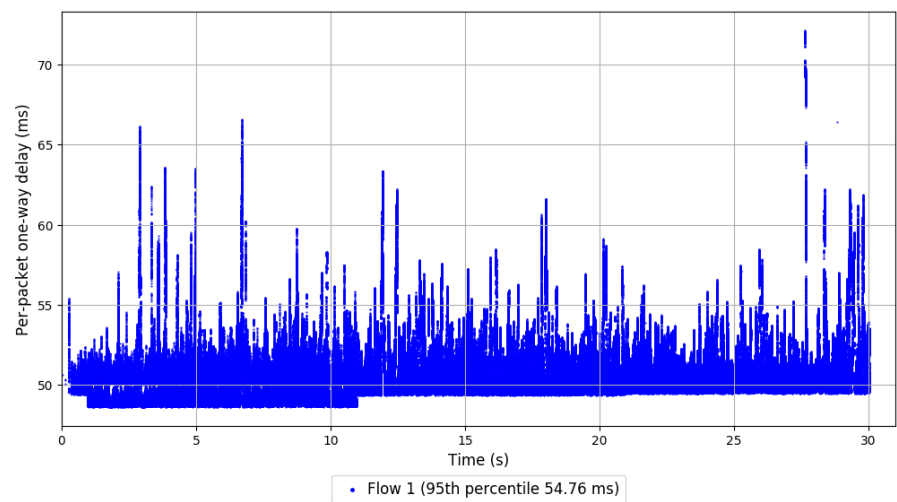
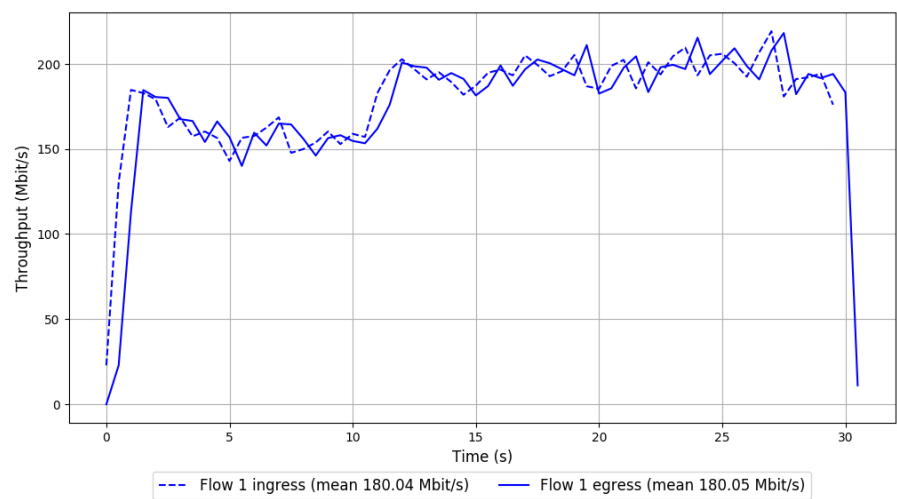
-- Flow 1:

Average throughput: 180.05 Mbit/s

95th percentile per-packet one-way delay: 54.761 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-05-23 17:24:10

End at: 2018-05-23 17:24:40

Local clock offset: 0.045 ms

Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-05-23 20:27:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 193.90 Mbit/s

95th percentile per-packet one-way delay: 54.861 ms

Loss rate: 0.00%

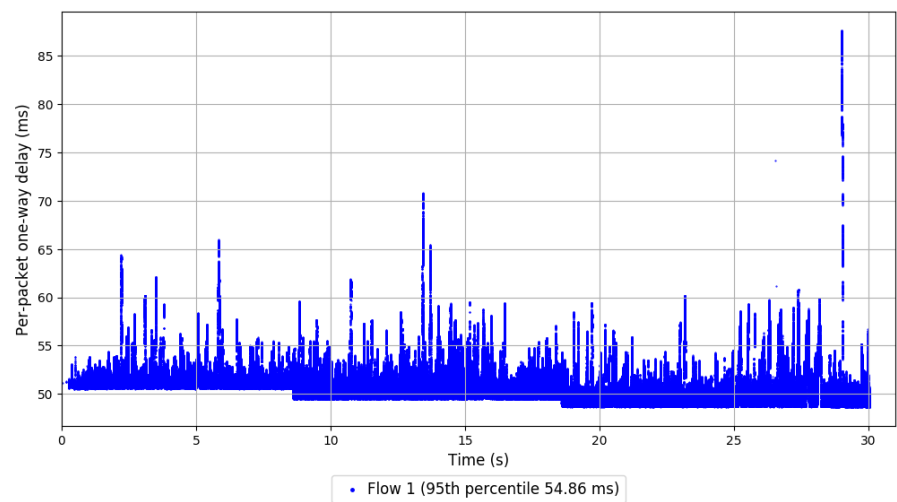
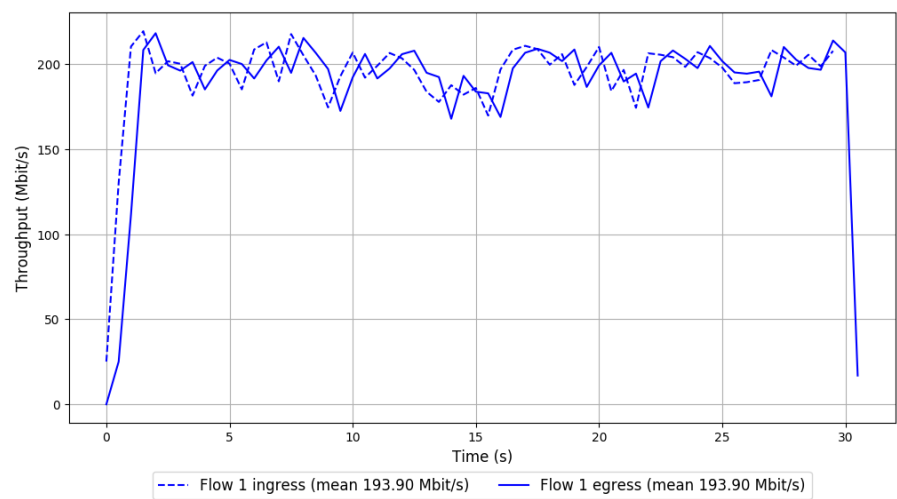
-- Flow 1:

Average throughput: 193.90 Mbit/s

95th percentile per-packet one-way delay: 54.861 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-05-23 17:43:59

End at: 2018-05-23 17:44:29

Local clock offset: 0.324 ms

Remote clock offset: -0.325 ms

Below is generated by plot.py at 2018-05-23 20:27:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 161.41 Mbit/s

95th percentile per-packet one-way delay: 54.473 ms

Loss rate: 0.00%

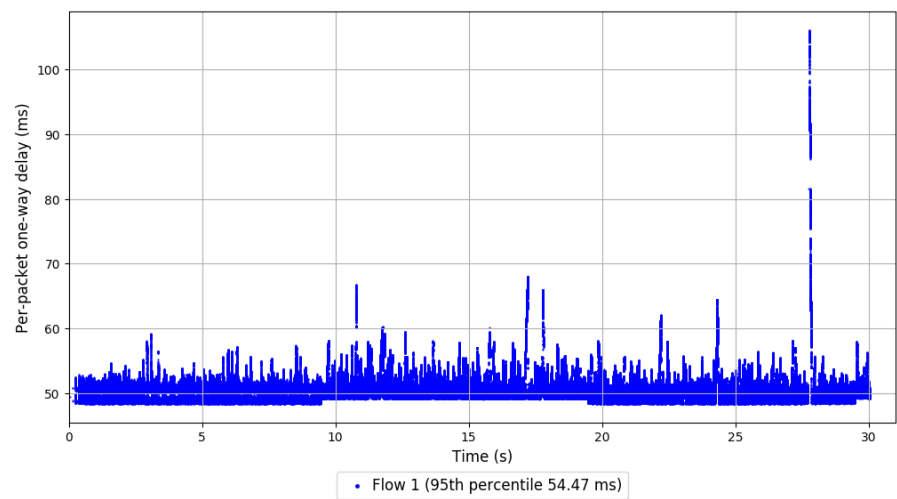
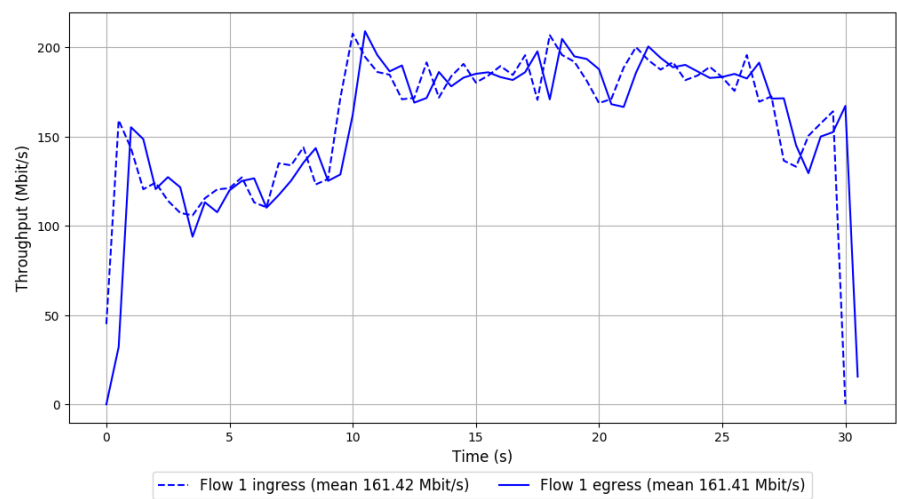
-- Flow 1:

Average throughput: 161.41 Mbit/s

95th percentile per-packet one-way delay: 54.473 ms

Loss rate: 0.00%

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

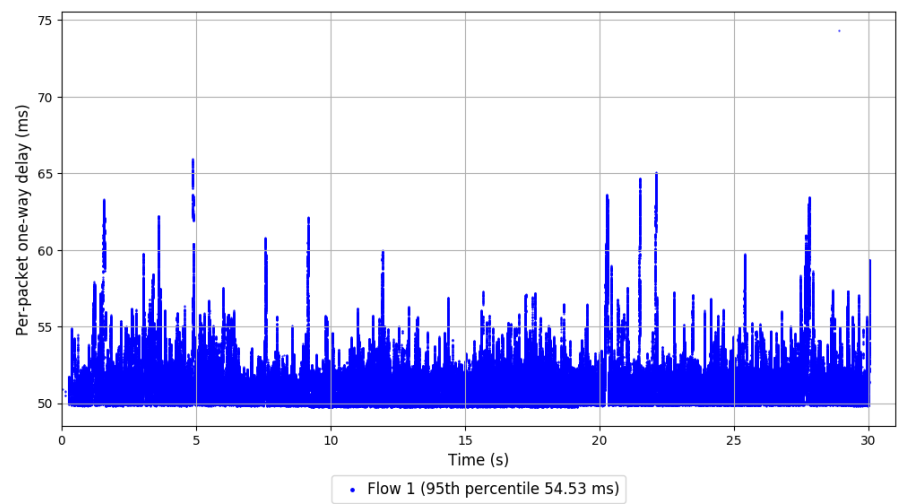
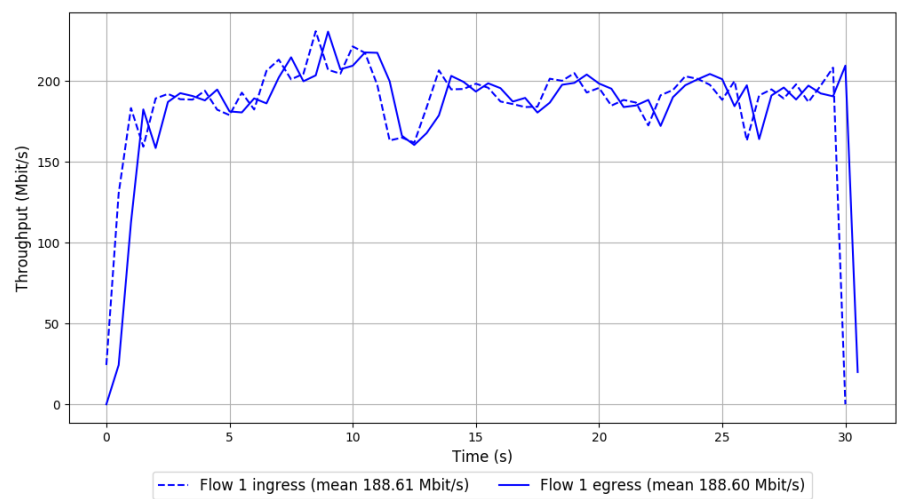


Run 6: Statistics of TaoVA-100x

Start at: 2018-05-23 18:03:49
End at: 2018-05-23 18:04:19
Local clock offset: -0.423 ms
Remote clock offset: -0.578 ms

Below is generated by plot.py at 2018-05-23 20:28:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.60 Mbit/s
95th percentile per-packet one-way delay: 54.531 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 188.60 Mbit/s
95th percentile per-packet one-way delay: 54.531 ms
Loss rate: 0.01%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-05-23 18:23:42

End at: 2018-05-23 18:24:12

Local clock offset: 0.289 ms

Remote clock offset: -0.628 ms

Below is generated by plot.py at 2018-05-23 20:28:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 140.57 Mbit/s

95th percentile per-packet one-way delay: 53.679 ms

Loss rate: 0.00%

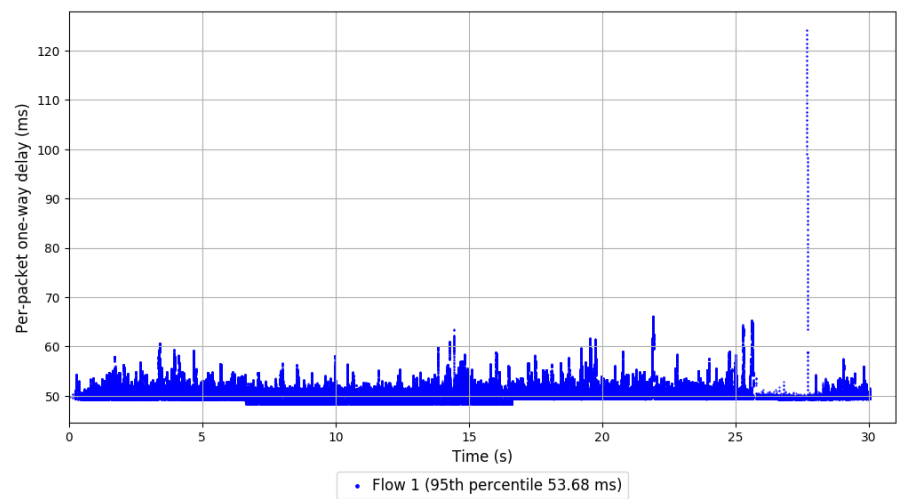
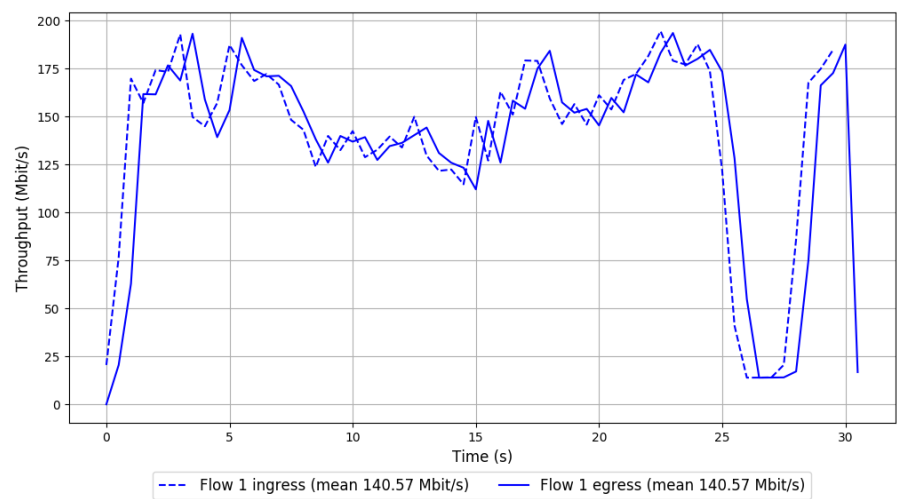
-- Flow 1:

Average throughput: 140.57 Mbit/s

95th percentile per-packet one-way delay: 53.679 ms

Loss rate: 0.00%

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

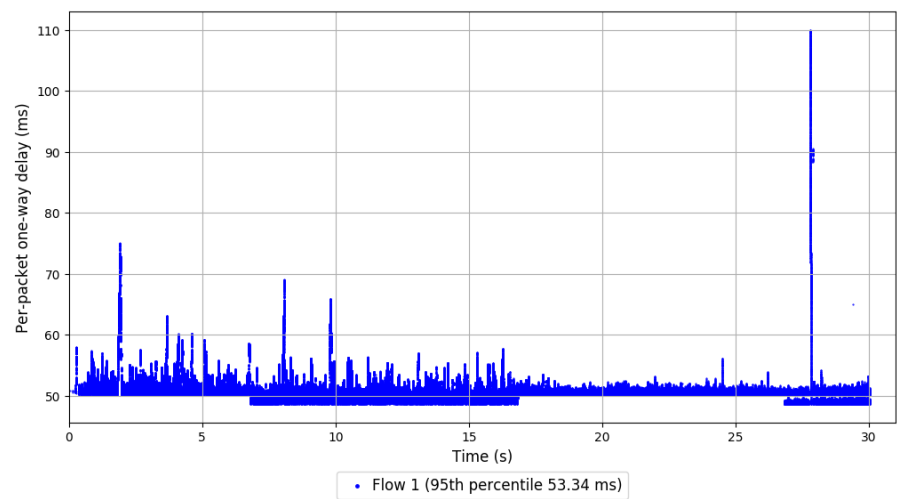
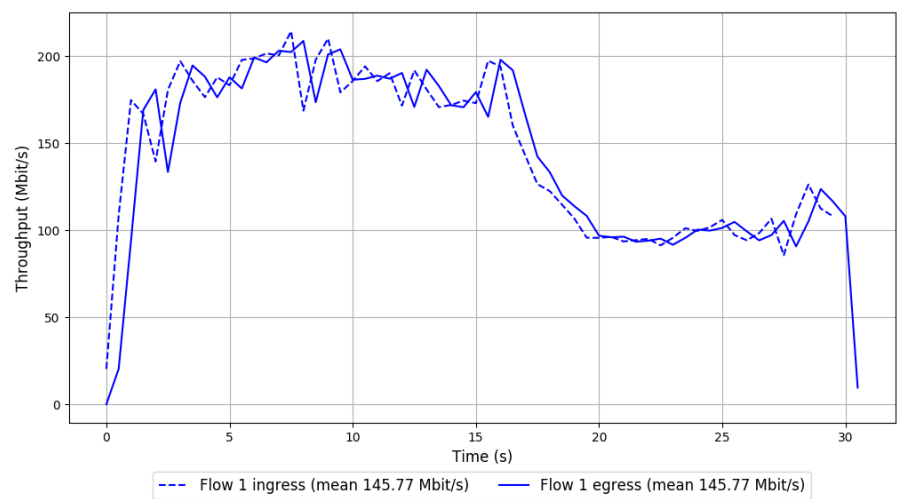


Run 8: Statistics of TaoVA-100x

Start at: 2018-05-23 18:43:32
End at: 2018-05-23 18:44:02
Local clock offset: -0.033 ms
Remote clock offset: -0.805 ms

Below is generated by plot.py at 2018-05-23 20:30:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 145.77 Mbit/s
95th percentile per-packet one-way delay: 53.338 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 145.77 Mbit/s
95th percentile per-packet one-way delay: 53.338 ms
Loss rate: 0.00%

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

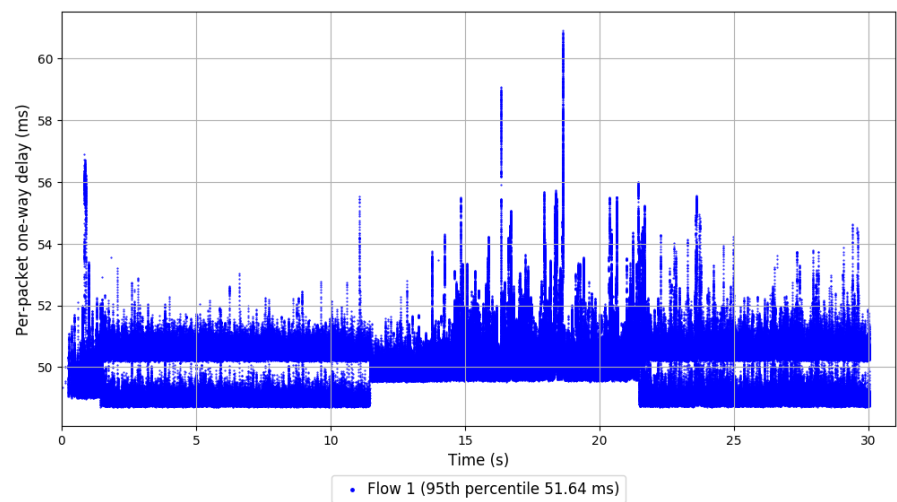
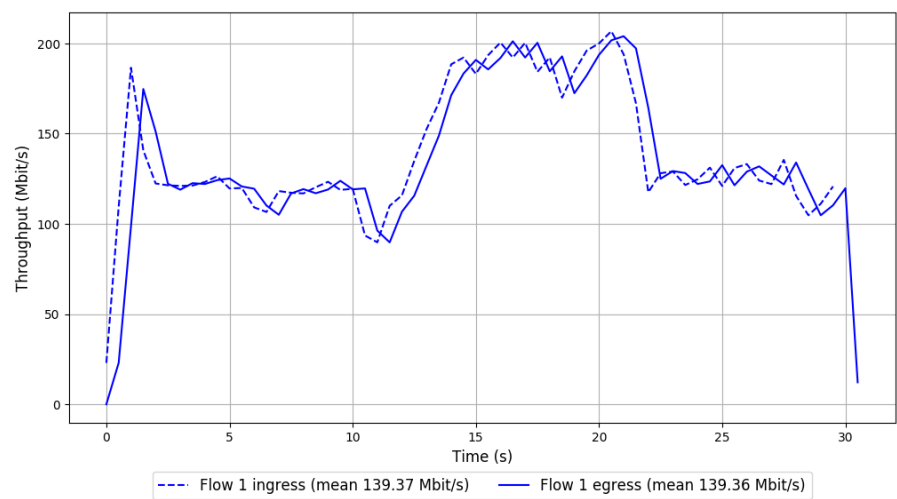


Run 9: Statistics of TaoVA-100x

Start at: 2018-05-23 19:03:27
End at: 2018-05-23 19:03:57
Local clock offset: -0.024 ms
Remote clock offset: -0.905 ms

Below is generated by plot.py at 2018-05-23 20:30:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 139.36 Mbit/s
95th percentile per-packet one-way delay: 51.638 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 139.36 Mbit/s
95th percentile per-packet one-way delay: 51.638 ms
Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-05-23 19:23:27

End at: 2018-05-23 19:23:57

Local clock offset: 0.011 ms

Remote clock offset: -1.052 ms

Below is generated by plot.py at 2018-05-23 20:32:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.44 Mbit/s

95th percentile per-packet one-way delay: 54.248 ms

Loss rate: 0.00%

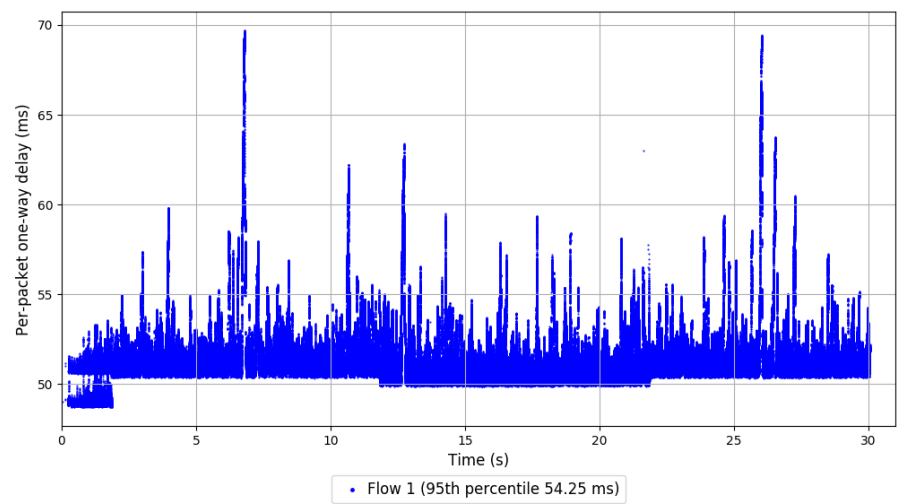
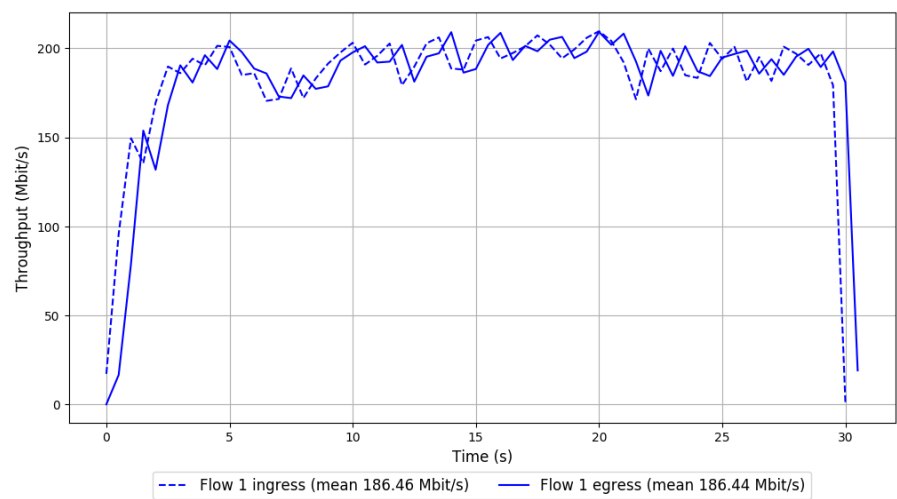
-- Flow 1:

Average throughput: 186.44 Mbit/s

95th percentile per-packet one-way delay: 54.248 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-05-23 16:19:14

End at: 2018-05-23 16:19:44

Local clock offset: -0.01 ms

Remote clock offset: 0.159 ms

Below is generated by plot.py at 2018-05-23 20:32:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 229.04 Mbit/s

95th percentile per-packet one-way delay: 63.060 ms

Loss rate: 0.02%

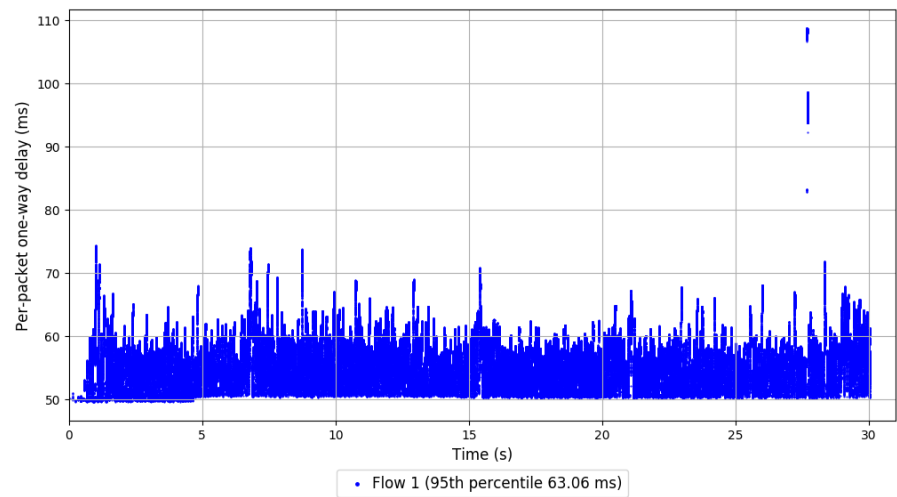
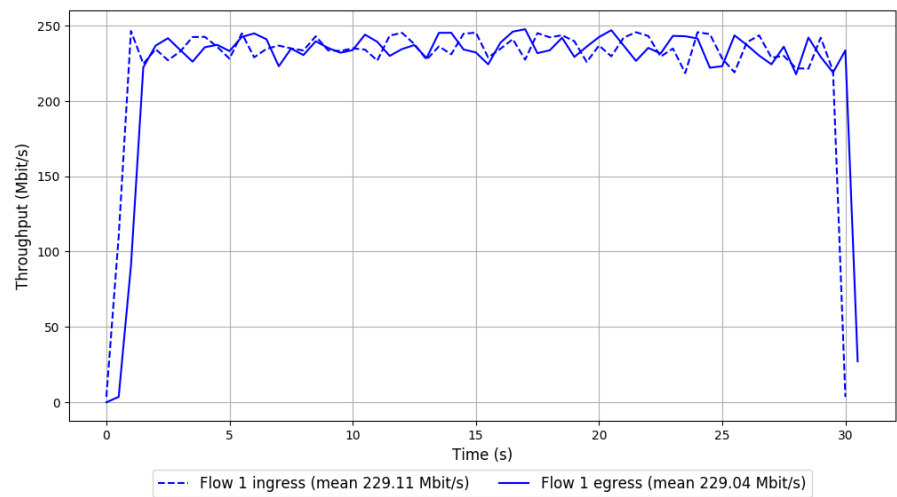
-- Flow 1:

Average throughput: 229.04 Mbit/s

95th percentile per-packet one-way delay: 63.060 ms

Loss rate: 0.02%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-05-23 16:39:10

End at: 2018-05-23 16:39:40

Local clock offset: -0.362 ms

Remote clock offset: 0.641 ms

Below is generated by plot.py at 2018-05-23 20:32:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 182.41 Mbit/s

95th percentile per-packet one-way delay: 52.271 ms

Loss rate: 0.00%

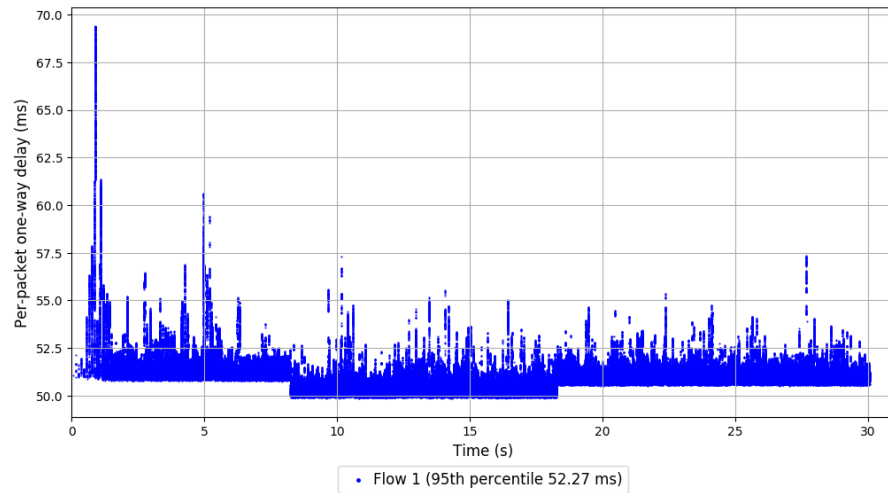
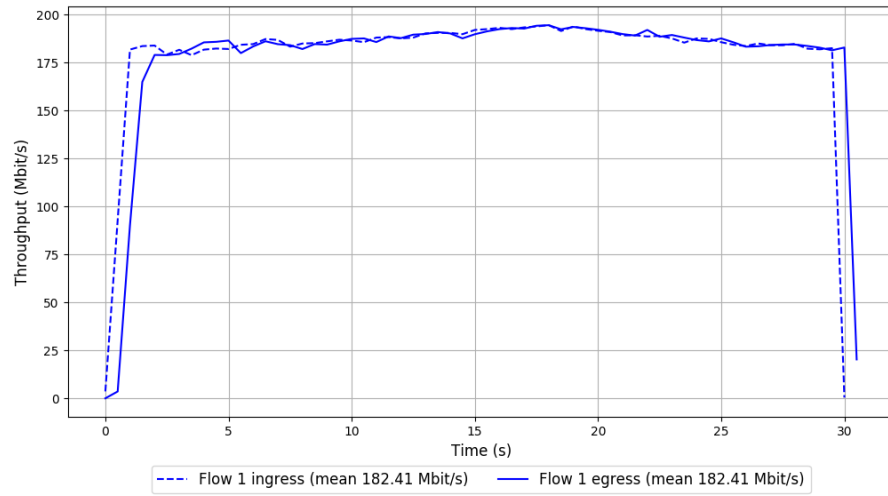
-- Flow 1:

Average throughput: 182.41 Mbit/s

95th percentile per-packet one-way delay: 52.271 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-05-23 16:59:03

End at: 2018-05-23 16:59:33

Local clock offset: 0.009 ms

Remote clock offset: 0.321 ms

Below is generated by plot.py at 2018-05-23 20:32:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.81 Mbit/s

95th percentile per-packet one-way delay: 52.173 ms

Loss rate: 0.00%

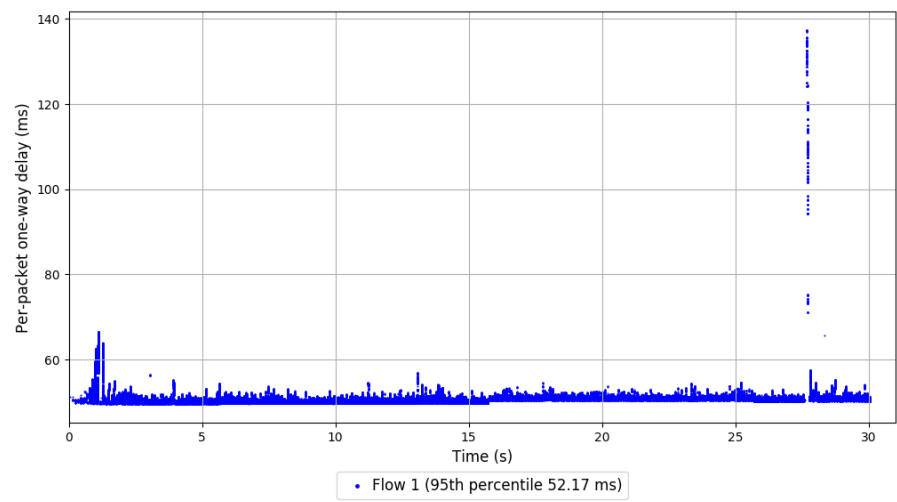
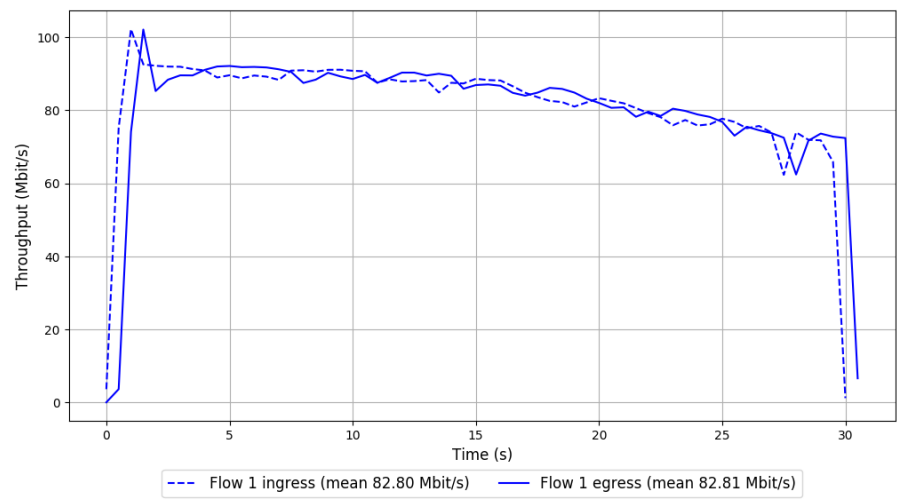
-- Flow 1:

Average throughput: 82.81 Mbit/s

95th percentile per-packet one-way delay: 52.173 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

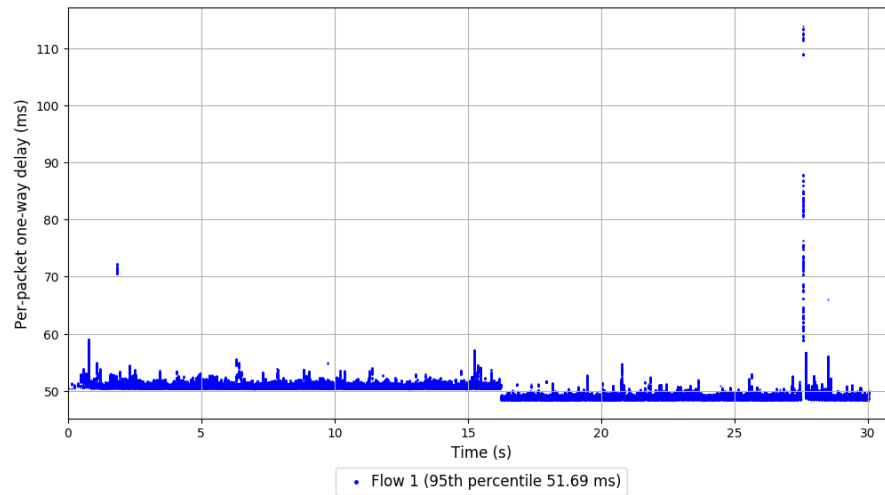
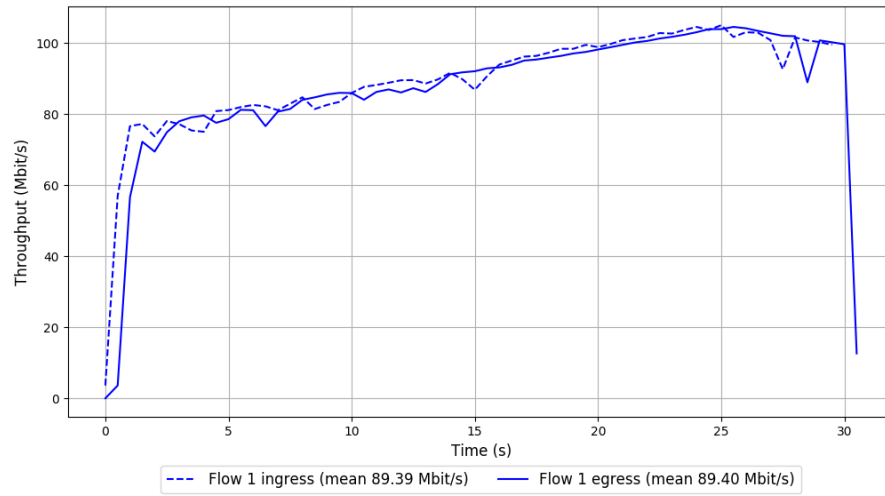


Run 4: Statistics of TCP Vegas

Start at: 2018-05-23 17:18:52
End at: 2018-05-23 17:19:22
Local clock offset: 0.388 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-05-23 20:32:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.40 Mbit/s
95th percentile per-packet one-way delay: 51.693 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.40 Mbit/s
95th percentile per-packet one-way delay: 51.693 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

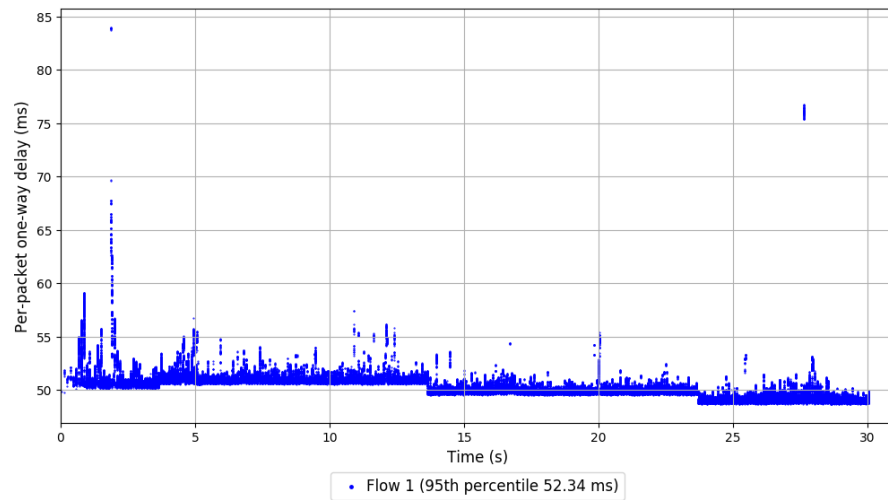
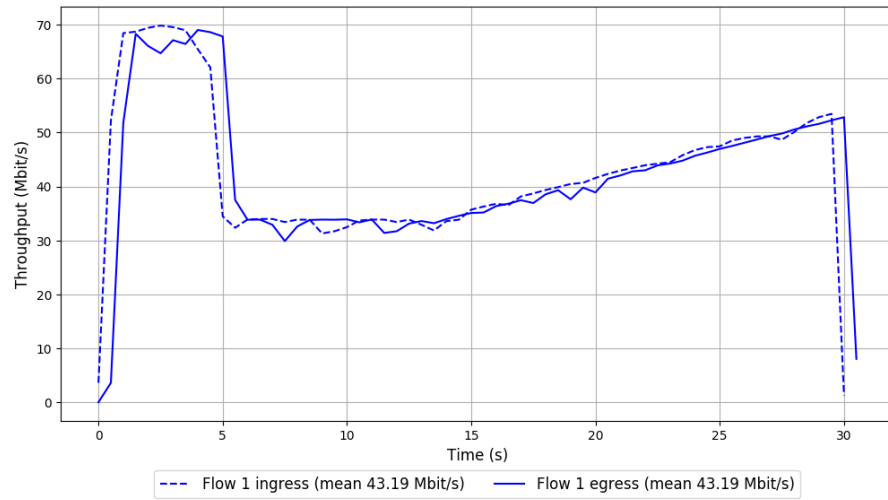


Run 5: Statistics of TCP Vegas

Start at: 2018-05-23 17:38:45
End at: 2018-05-23 17:39:15
Local clock offset: -0.022 ms
Remote clock offset: -0.305 ms

Below is generated by plot.py at 2018-05-23 20:32:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 43.19 Mbit/s
95th percentile per-packet one-way delay: 52.338 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.19 Mbit/s
95th percentile per-packet one-way delay: 52.338 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

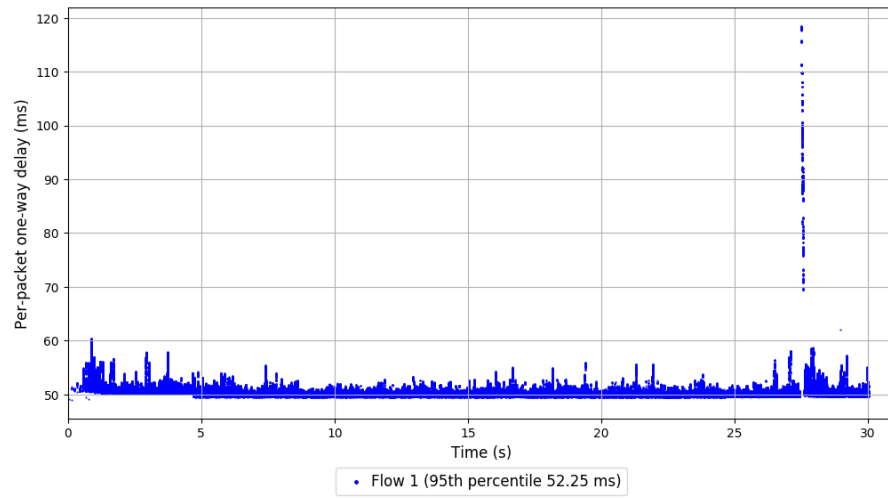
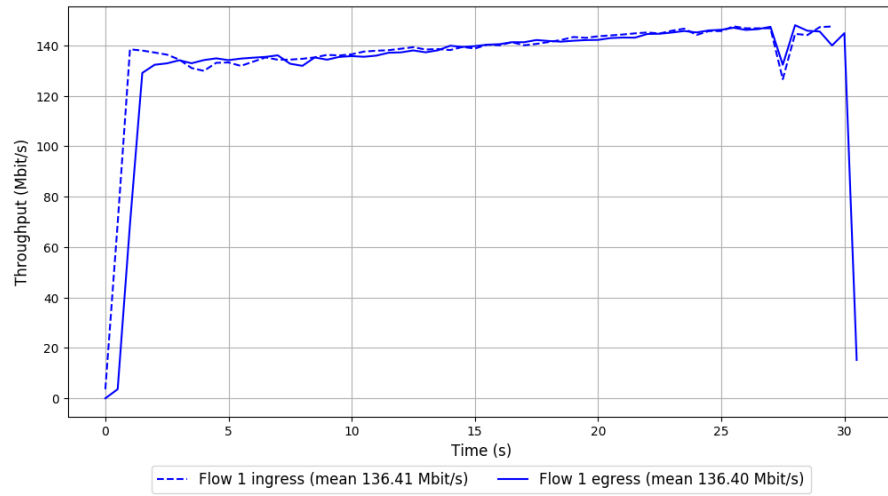


Run 6: Statistics of TCP Vegas

Start at: 2018-05-23 17:58:34
End at: 2018-05-23 17:59:04
Local clock offset: -0.028 ms
Remote clock offset: -0.443 ms

Below is generated by plot.py at 2018-05-23 20:32:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 136.40 Mbit/s
95th percentile per-packet one-way delay: 52.248 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 136.40 Mbit/s
95th percentile per-packet one-way delay: 52.248 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

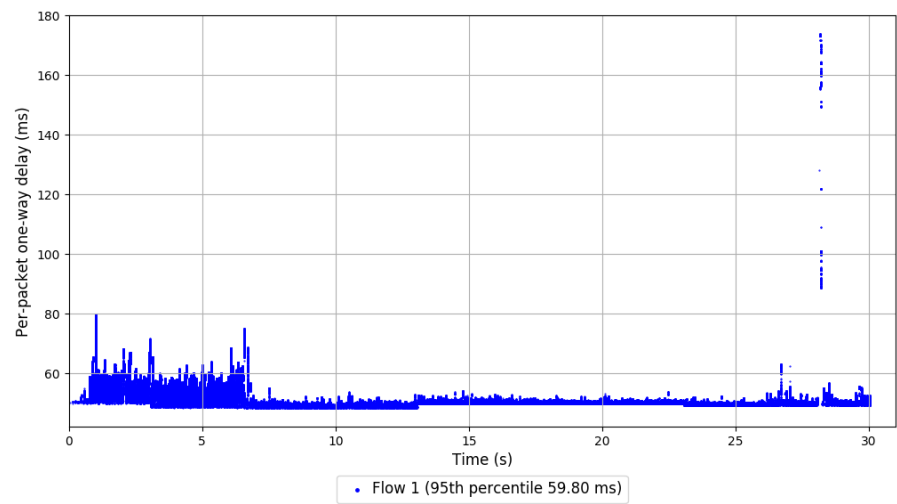
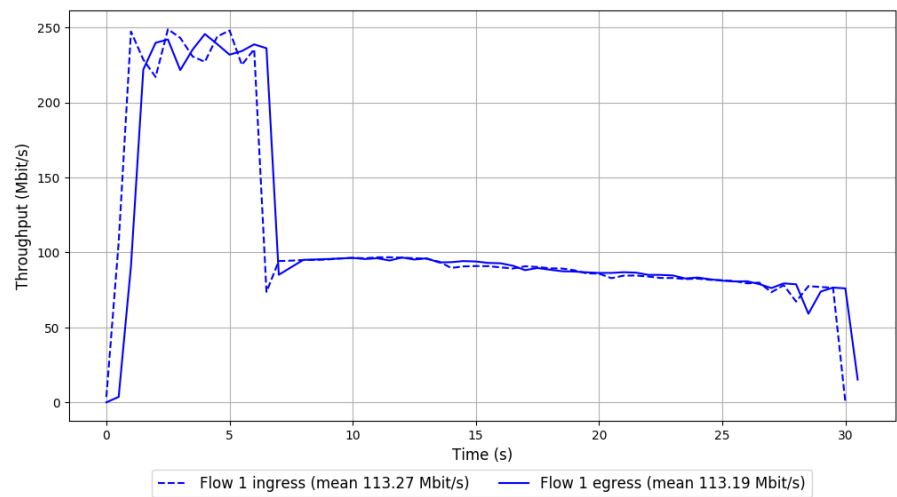


Run 7: Statistics of TCP Vegas

Start at: 2018-05-23 18:18:25
End at: 2018-05-23 18:18:55
Local clock offset: 0.291 ms
Remote clock offset: -0.628 ms

Below is generated by plot.py at 2018-05-23 20:32:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 113.19 Mbit/s
95th percentile per-packet one-way delay: 59.804 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 113.19 Mbit/s
95th percentile per-packet one-way delay: 59.804 ms
Loss rate: 0.07%

Run 7: Report of TCP Vegas — Data Link

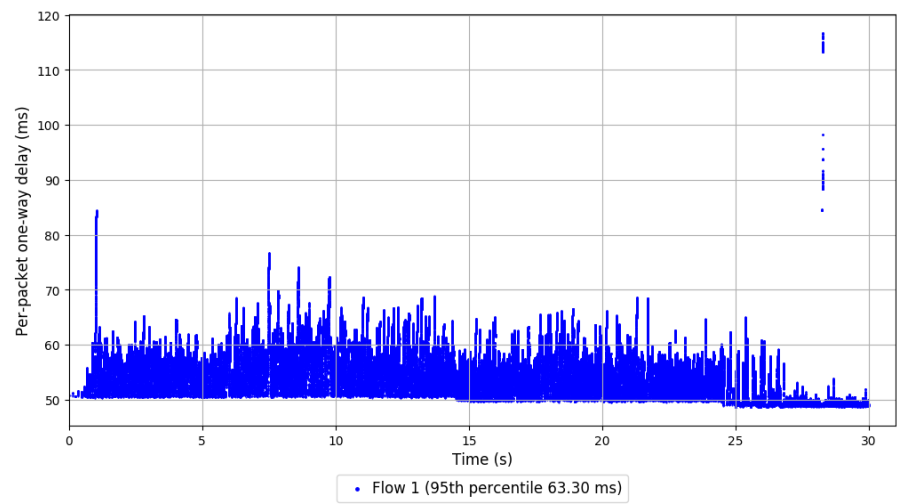
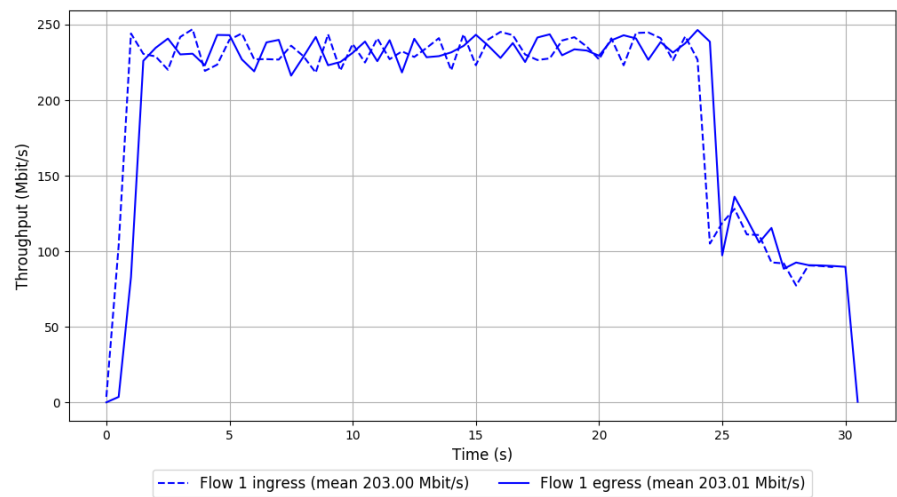


Run 8: Statistics of TCP Vegas

Start at: 2018-05-23 18:38:14
End at: 2018-05-23 18:38:44
Local clock offset: -0.034 ms
Remote clock offset: -0.767 ms

Below is generated by plot.py at 2018-05-23 20:33:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 203.01 Mbit/s
95th percentile per-packet one-way delay: 63.304 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 203.01 Mbit/s
95th percentile per-packet one-way delay: 63.304 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

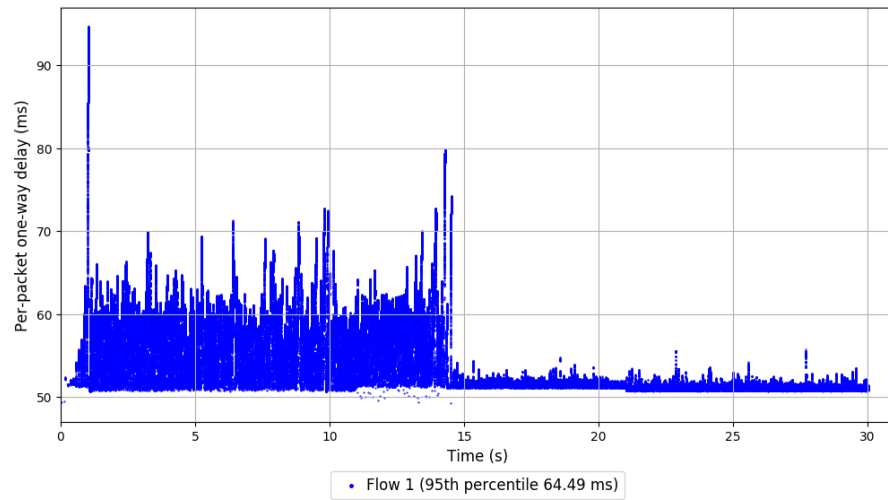
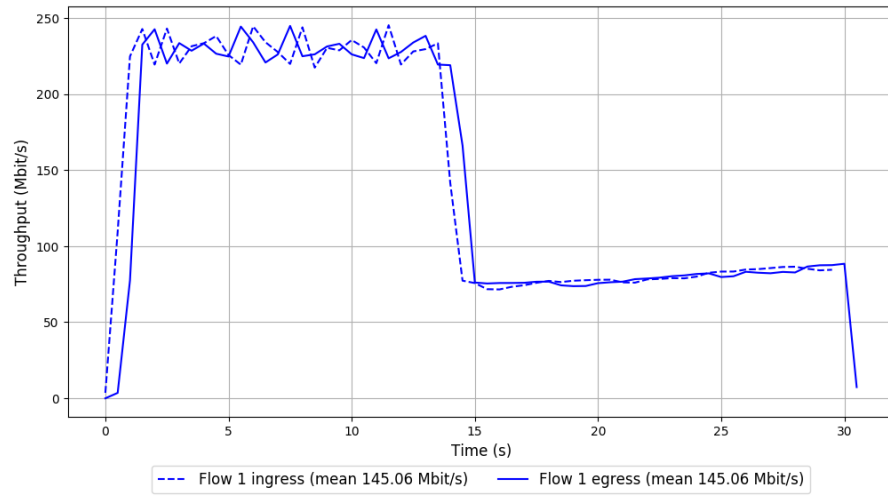


Run 9: Statistics of TCP Vegas

Start at: 2018-05-23 18:58:07
End at: 2018-05-23 18:58:37
Local clock offset: -0.405 ms
Remote clock offset: -0.856 ms

Below is generated by plot.py at 2018-05-23 20:33:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 145.06 Mbit/s
95th percentile per-packet one-way delay: 64.489 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 145.06 Mbit/s
95th percentile per-packet one-way delay: 64.489 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

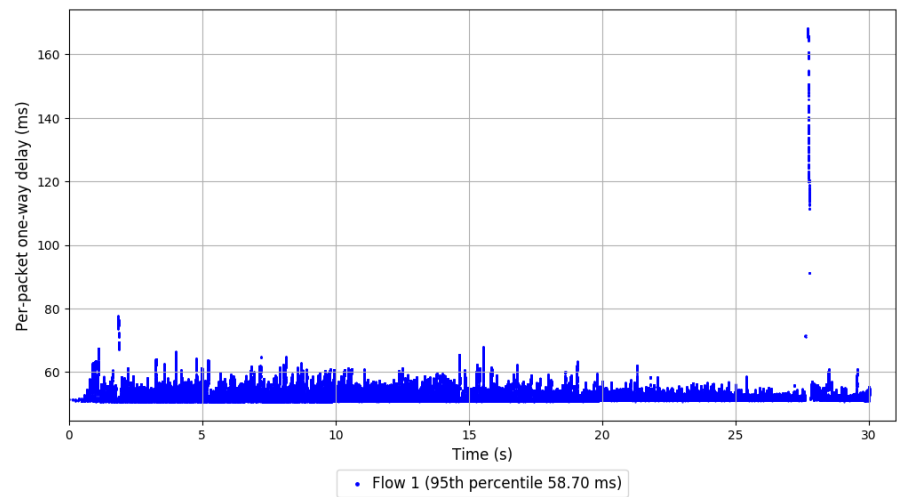
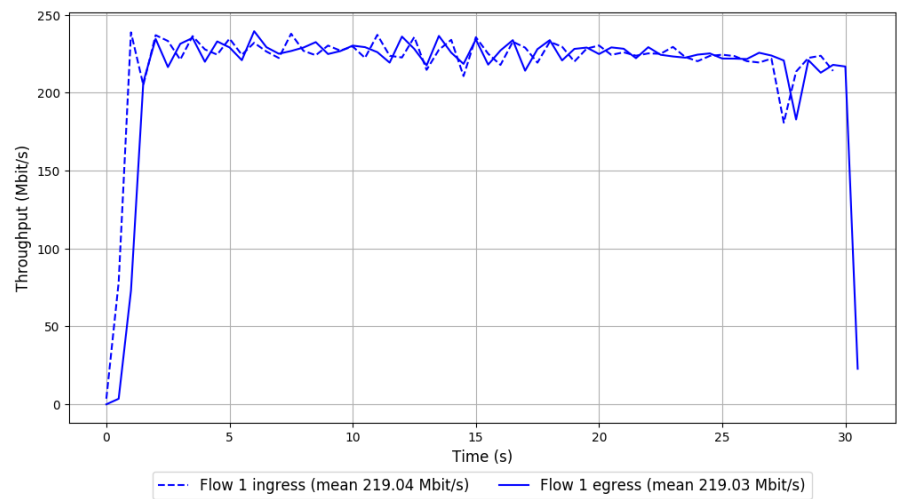


Run 10: Statistics of TCP Vegas

Start at: 2018-05-23 19:18:09
End at: 2018-05-23 19:18:39
Local clock offset: -0.403 ms
Remote clock offset: -1.021 ms

Below is generated by plot.py at 2018-05-23 20:34:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.03 Mbit/s
95th percentile per-packet one-way delay: 58.703 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 219.03 Mbit/s
95th percentile per-packet one-way delay: 58.703 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

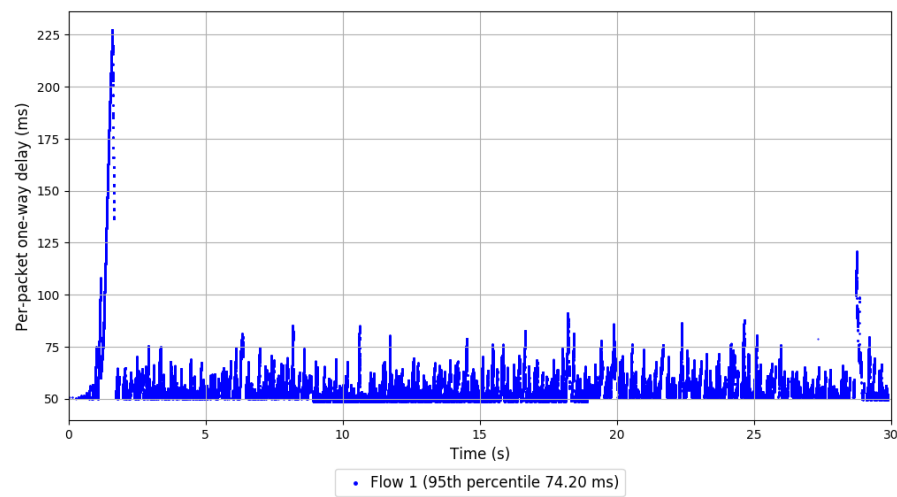
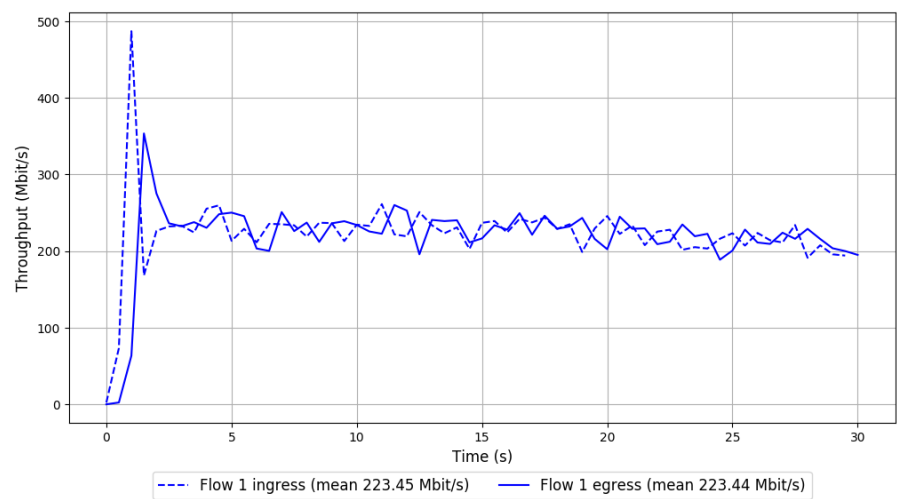


Run 1: Statistics of Verus

Start at: 2018-05-23 16:13:19
End at: 2018-05-23 16:13:49
Local clock offset: 0.343 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-05-23 20:34:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 223.44 Mbit/s
95th percentile per-packet one-way delay: 74.198 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 223.44 Mbit/s
95th percentile per-packet one-way delay: 74.198 ms
Loss rate: 0.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-05-23 16:33:12

End at: 2018-05-23 16:33:42

Local clock offset: -0.002 ms

Remote clock offset: 0.423 ms

Below is generated by plot.py at 2018-05-23 20:34:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.56 Mbit/s

95th percentile per-packet one-way delay: 114.231 ms

Loss rate: 0.06%

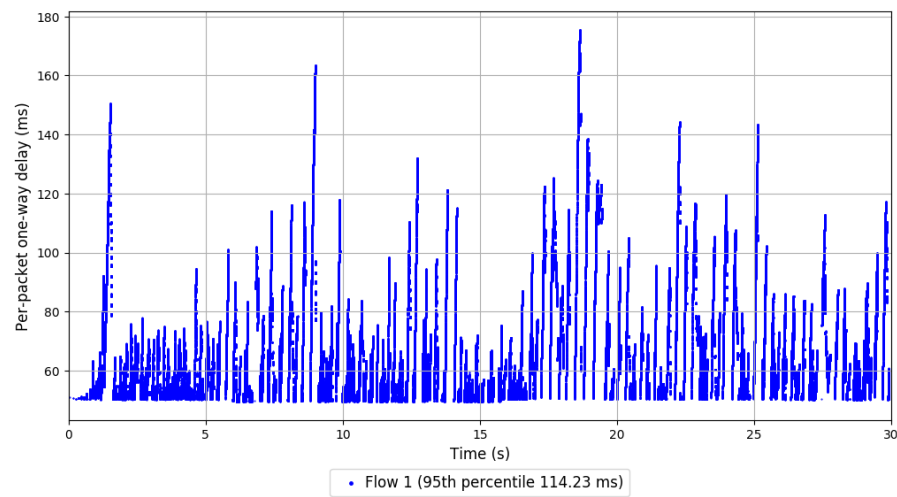
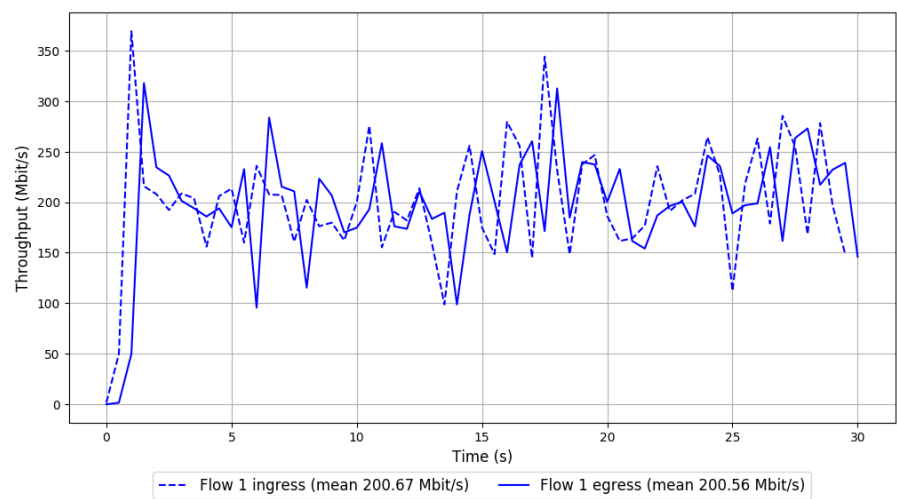
-- Flow 1:

Average throughput: 200.56 Mbit/s

95th percentile per-packet one-way delay: 114.231 ms

Loss rate: 0.06%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-05-23 16:53:05

End at: 2018-05-23 16:53:35

Local clock offset: -0.368 ms

Remote clock offset: 0.64 ms

Below is generated by plot.py at 2018-05-23 20:35:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.97 Mbit/s

95th percentile per-packet one-way delay: 205.507 ms

Loss rate: 0.76%

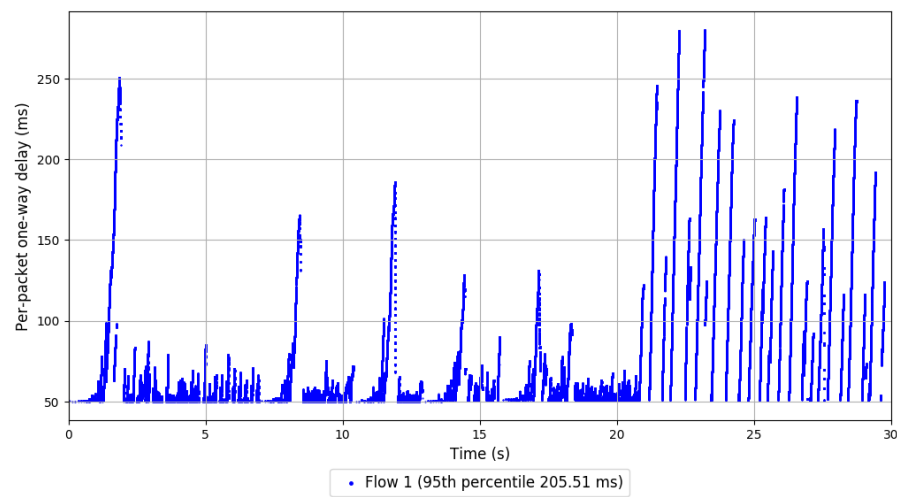
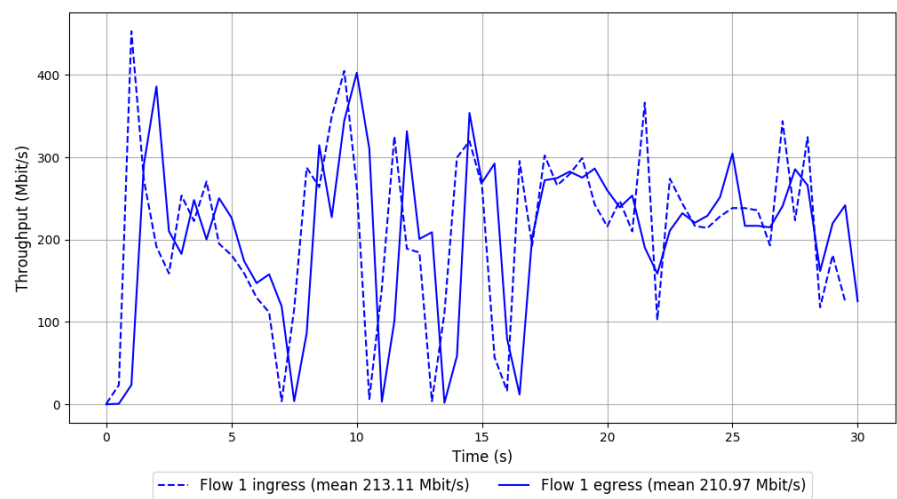
-- Flow 1:

Average throughput: 210.97 Mbit/s

95th percentile per-packet one-way delay: 205.507 ms

Loss rate: 0.76%

Run 3: Report of Verus — Data Link

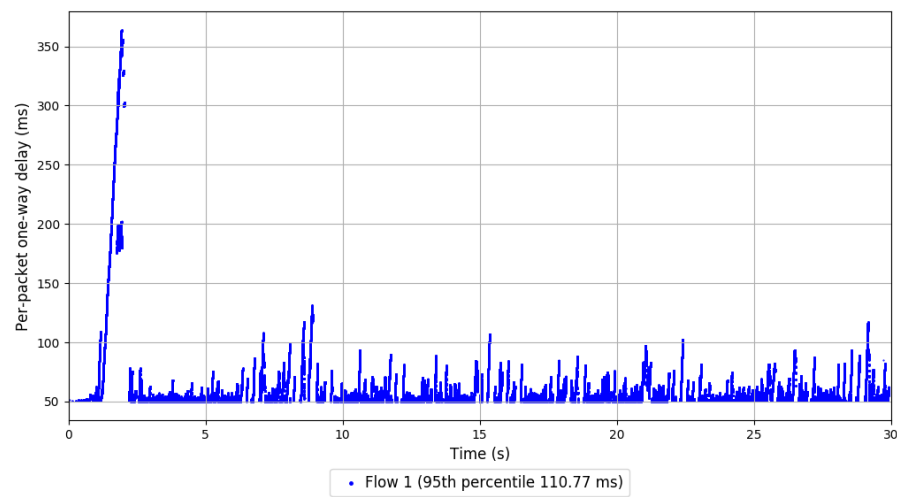
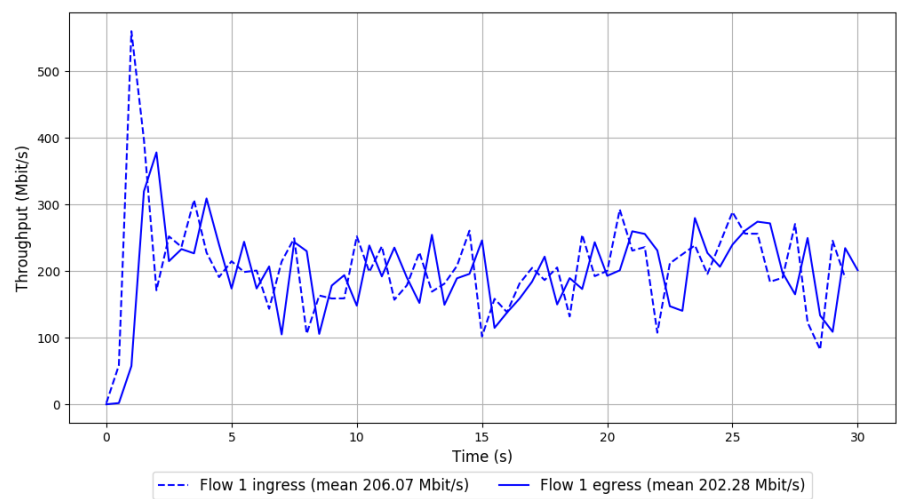


Run 4: Statistics of Verus

Start at: 2018-05-23 17:12:56
End at: 2018-05-23 17:13:26
Local clock offset: -0.013 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-05-23 20:35:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 202.28 Mbit/s
95th percentile per-packet one-way delay: 110.773 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 202.28 Mbit/s
95th percentile per-packet one-way delay: 110.773 ms
Loss rate: 1.83%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-05-23 17:32:46

End at: 2018-05-23 17:33:16

Local clock offset: -0.374 ms

Remote clock offset: -0.35 ms

Below is generated by plot.py at 2018-05-23 20:36:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 229.56 Mbit/s

95th percentile per-packet one-way delay: 98.038 ms

Loss rate: 1.74%

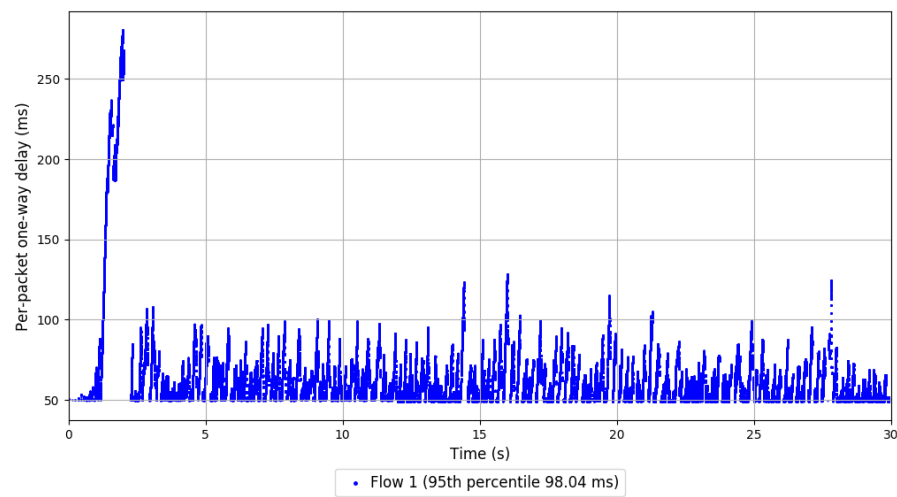
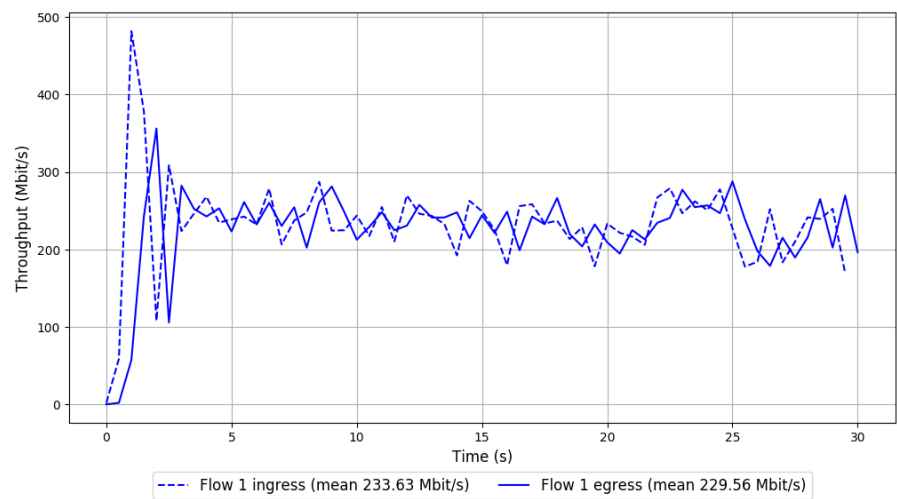
-- Flow 1:

Average throughput: 229.56 Mbit/s

95th percentile per-packet one-way delay: 98.038 ms

Loss rate: 1.74%

Run 5: Report of Verus — Data Link

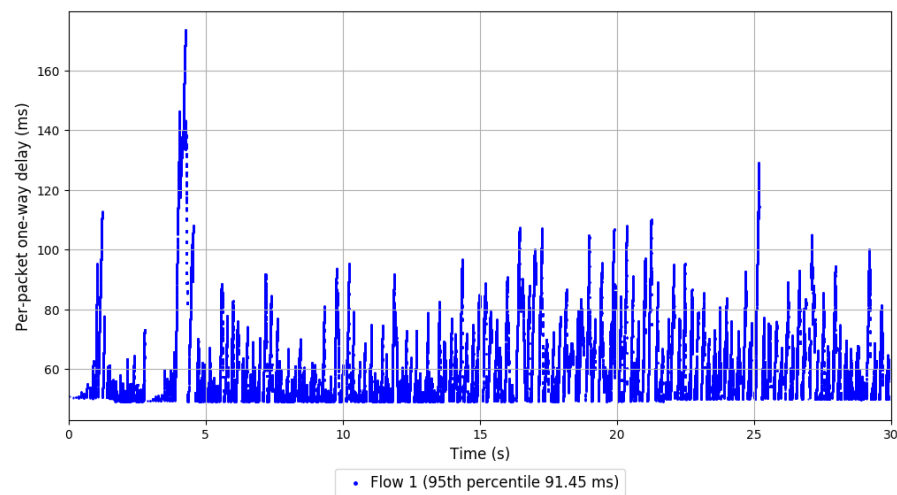
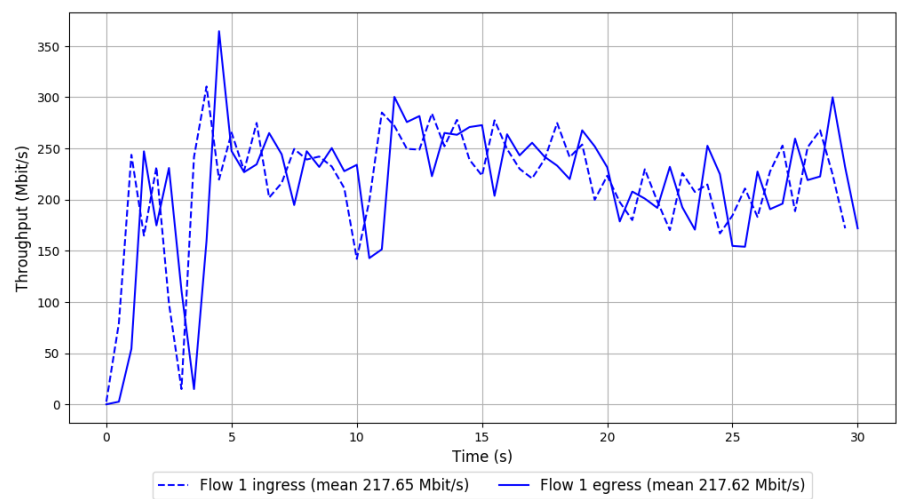


Run 6: Statistics of Verus

Start at: 2018-05-23 17:52:37
End at: 2018-05-23 17:53:07
Local clock offset: 0.29 ms
Remote clock offset: -0.452 ms

Below is generated by plot.py at 2018-05-23 20:36:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.62 Mbit/s
95th percentile per-packet one-way delay: 91.446 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 217.62 Mbit/s
95th percentile per-packet one-way delay: 91.446 ms
Loss rate: 0.01%

Run 6: Report of Verus — Data Link

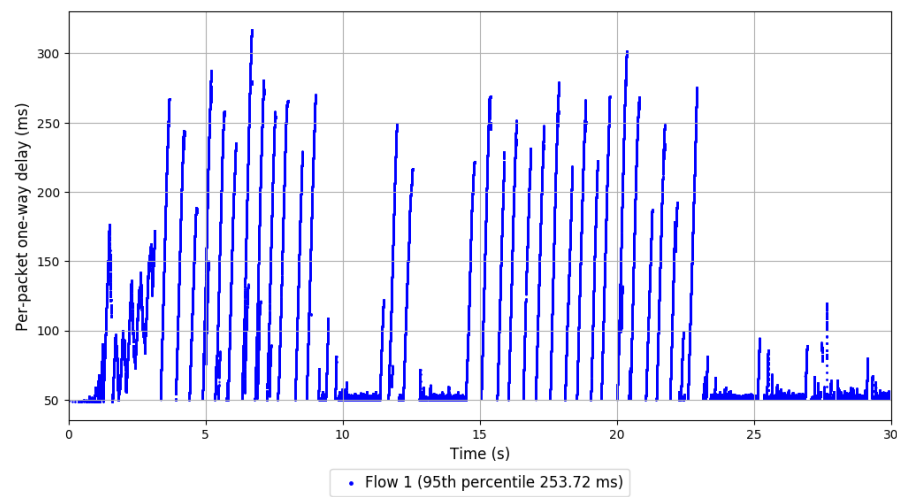
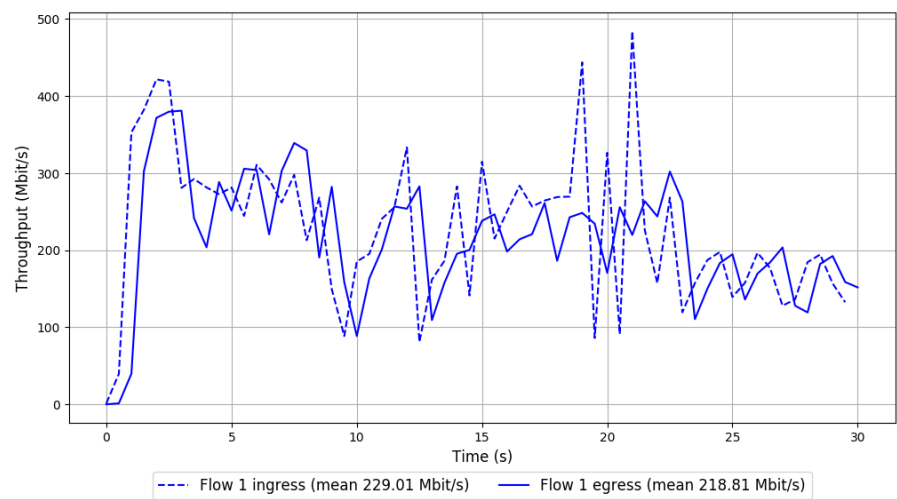


Run 7: Statistics of Verus

Start at: 2018-05-23 18:12:26
End at: 2018-05-23 18:12:56
Local clock offset: 0.358 ms
Remote clock offset: -0.551 ms

Below is generated by plot.py at 2018-05-23 20:37:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 218.81 Mbit/s
95th percentile per-packet one-way delay: 253.715 ms
Loss rate: 4.44%
-- Flow 1:
Average throughput: 218.81 Mbit/s
95th percentile per-packet one-way delay: 253.715 ms
Loss rate: 4.44%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-05-23 18:32:16

End at: 2018-05-23 18:32:47

Local clock offset: -0.015 ms

Remote clock offset: -0.7 ms

Below is generated by plot.py at 2018-05-23 20:38:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 233.42 Mbit/s

95th percentile per-packet one-way delay: 90.275 ms

Loss rate: 0.69%

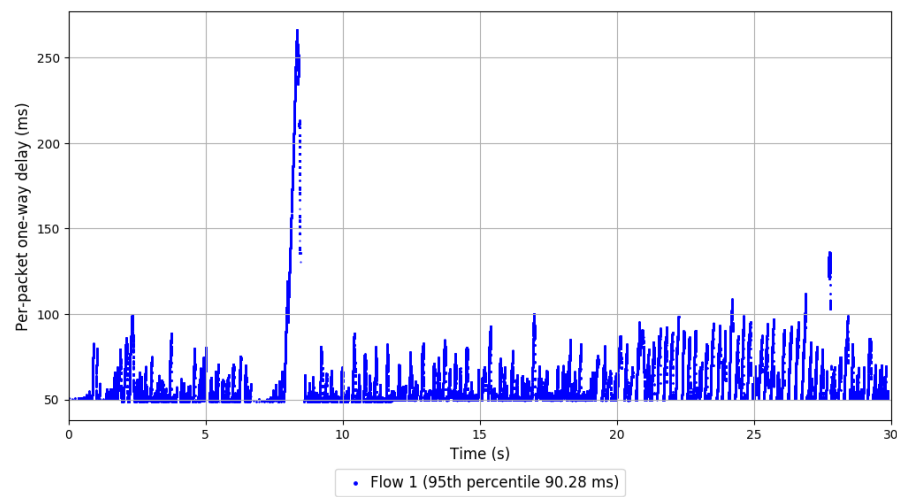
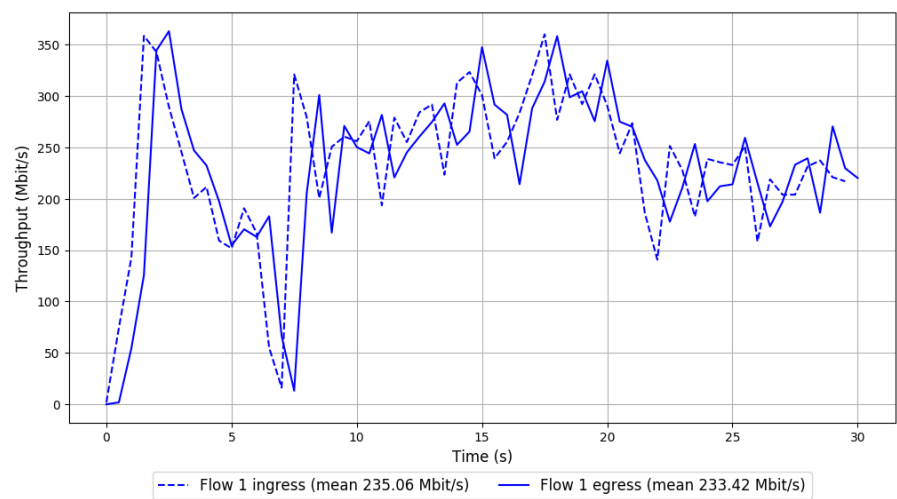
-- Flow 1:

Average throughput: 233.42 Mbit/s

95th percentile per-packet one-way delay: 90.275 ms

Loss rate: 0.69%

Run 8: Report of Verus — Data Link

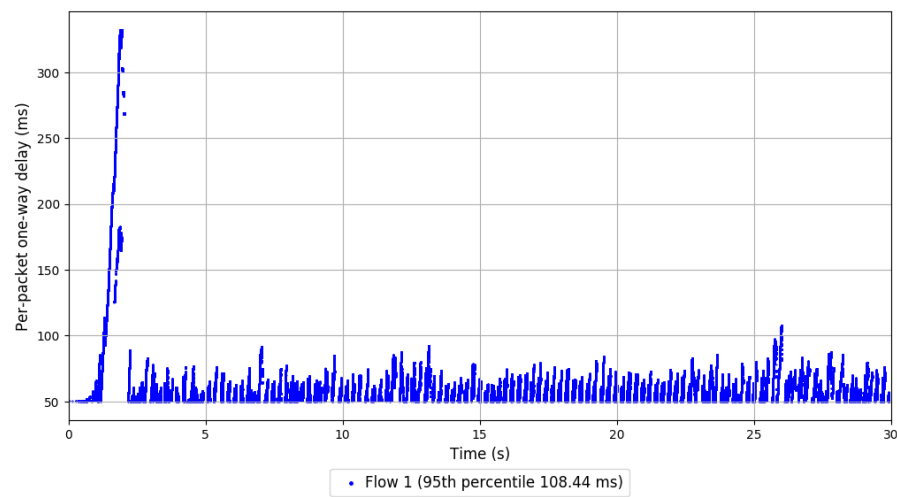
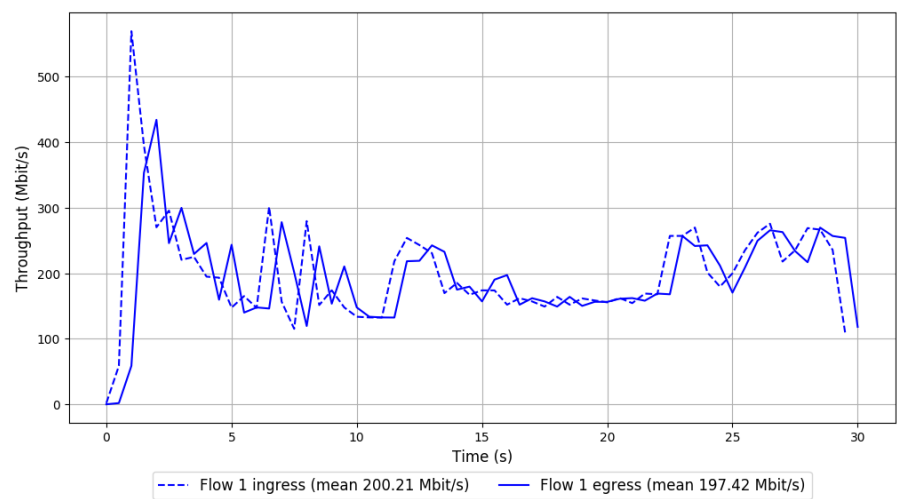


Run 9: Statistics of Verus

Start at: 2018-05-23 18:52:10
End at: 2018-05-23 18:52:40
Local clock offset: 0.371 ms
Remote clock offset: -0.802 ms

Below is generated by plot.py at 2018-05-23 20:38:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 197.42 Mbit/s
95th percentile per-packet one-way delay: 108.444 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 197.42 Mbit/s
95th percentile per-packet one-way delay: 108.444 ms
Loss rate: 1.39%

Run 9: Report of Verus — Data Link

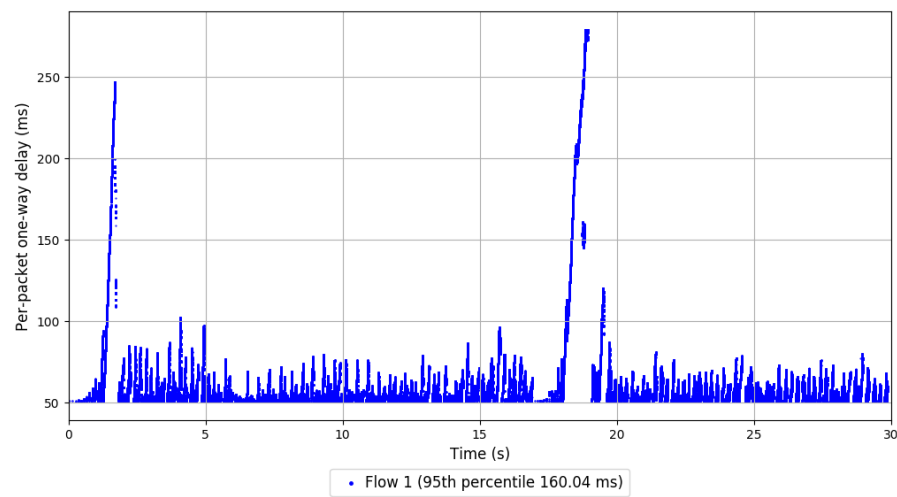
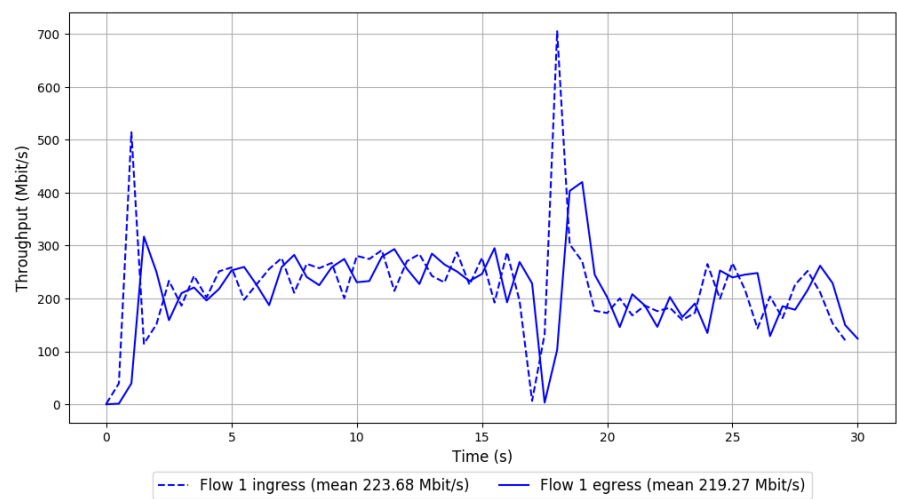


Run 10: Statistics of Verus

Start at: 2018-05-23 19:12:04
End at: 2018-05-23 19:12:34
Local clock offset: -0.432 ms
Remote clock offset: -0.945 ms

Below is generated by plot.py at 2018-05-23 20:38:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.27 Mbit/s
95th percentile per-packet one-way delay: 160.038 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 219.27 Mbit/s
95th percentile per-packet one-way delay: 160.038 ms
Loss rate: 1.94%

Run 10: Report of Verus — Data Link

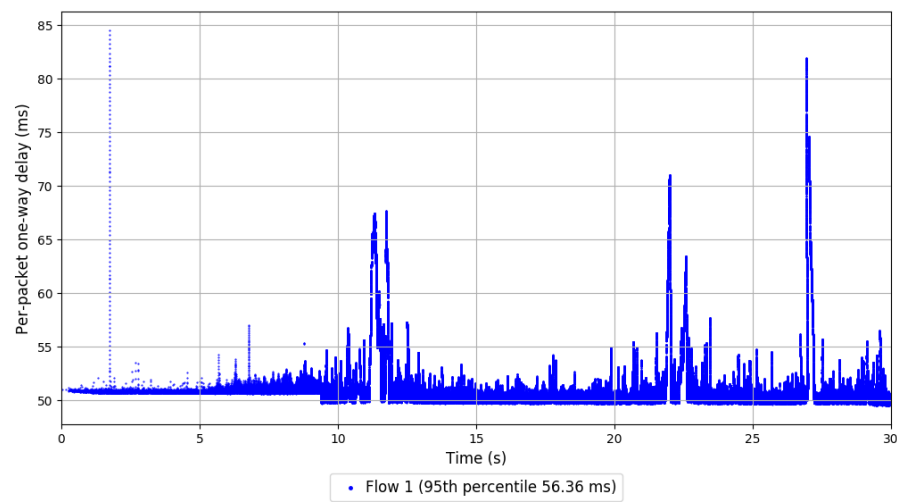
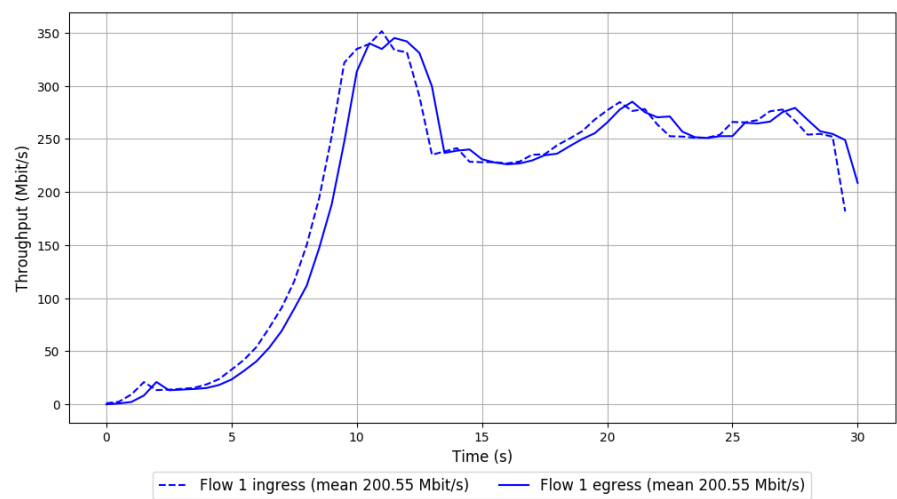


Run 1: Statistics of PCC-Vivace

Start at: 2018-05-23 16:14:39
End at: 2018-05-23 16:15:09
Local clock offset: -0.002 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-05-23 20:38:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 200.55 Mbit/s
95th percentile per-packet one-way delay: 56.362 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 200.55 Mbit/s
95th percentile per-packet one-way delay: 56.362 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-05-23 16:34:31

End at: 2018-05-23 16:35:01

Local clock offset: 0.011 ms

Remote clock offset: 0.575 ms

Below is generated by plot.py at 2018-05-23 20:39:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 263.55 Mbit/s

95th percentile per-packet one-way delay: 106.818 ms

Loss rate: 0.62%

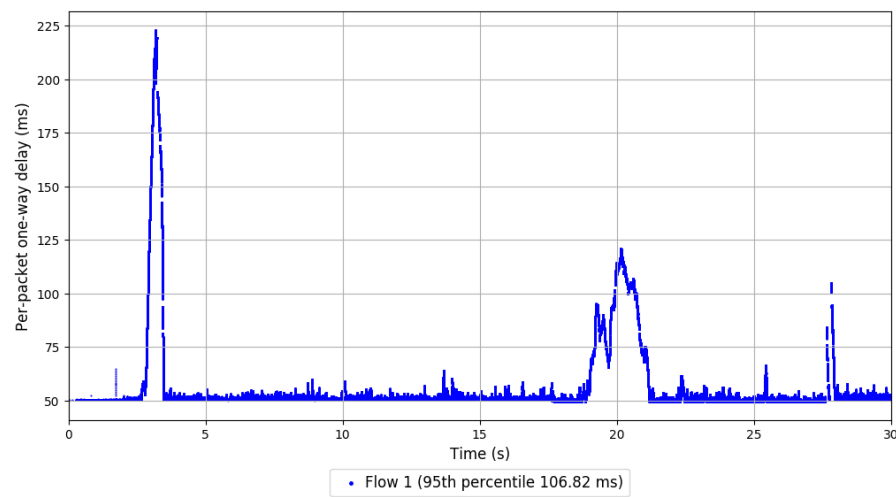
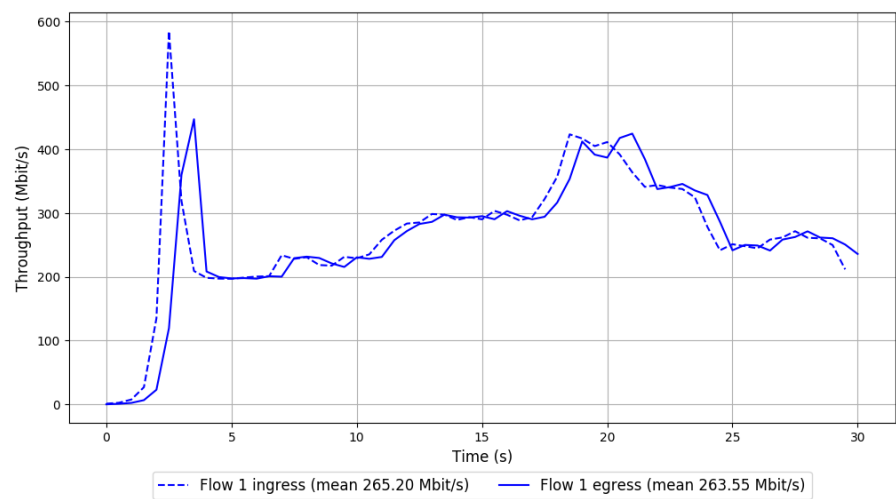
-- Flow 1:

Average throughput: 263.55 Mbit/s

95th percentile per-packet one-way delay: 106.818 ms

Loss rate: 0.62%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-05-23 16:54:23

End at: 2018-05-23 16:54:53

Local clock offset: 0.04 ms

Remote clock offset: 0.62 ms

Below is generated by plot.py at 2018-05-23 20:40:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 237.80 Mbit/s

95th percentile per-packet one-way delay: 58.270 ms

Loss rate: 0.01%

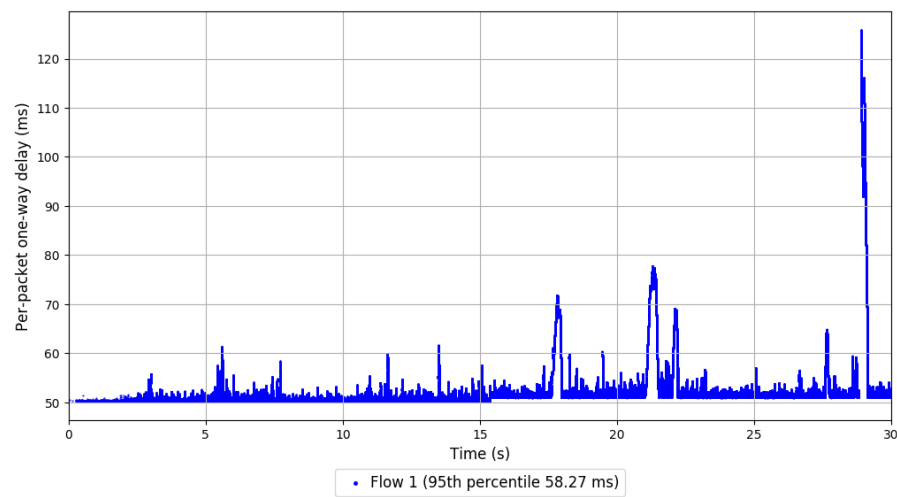
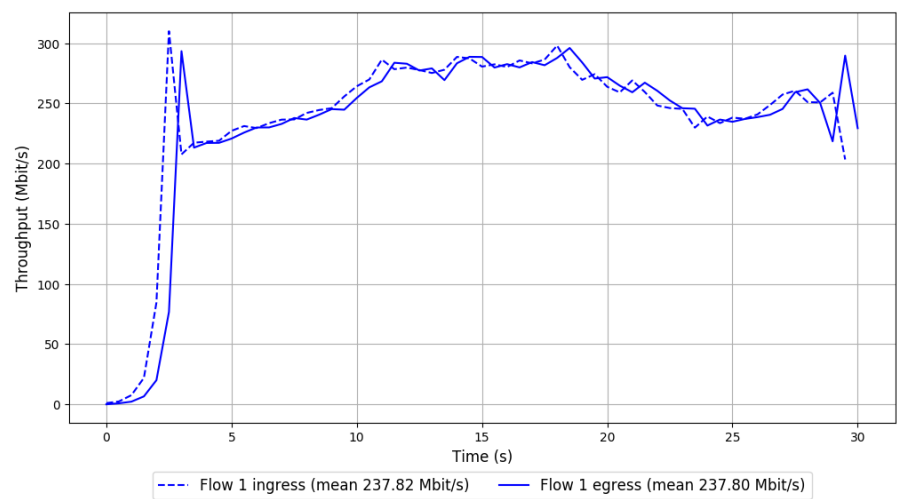
-- Flow 1:

Average throughput: 237.80 Mbit/s

95th percentile per-packet one-way delay: 58.270 ms

Loss rate: 0.01%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-05-23 17:14:15

End at: 2018-05-23 17:14:45

Local clock offset: 0.042 ms

Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-05-23 20:40:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.38 Mbit/s

95th percentile per-packet one-way delay: 59.551 ms

Loss rate: 0.00%

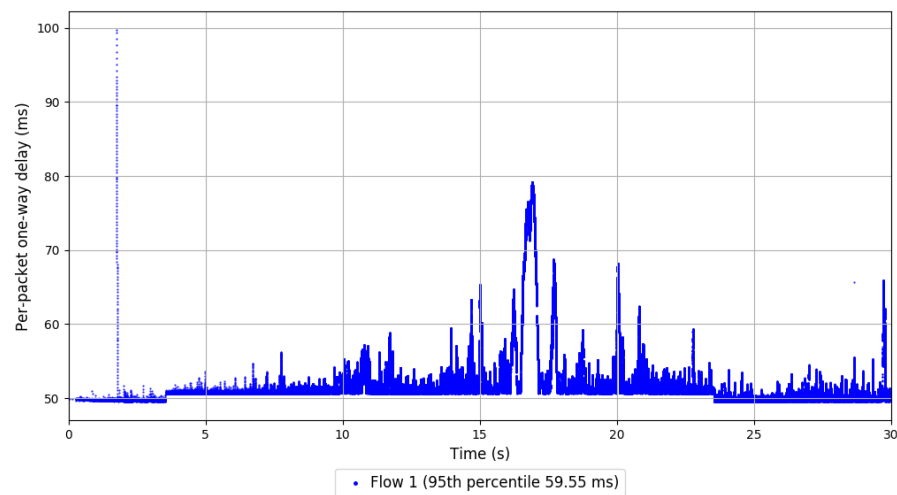
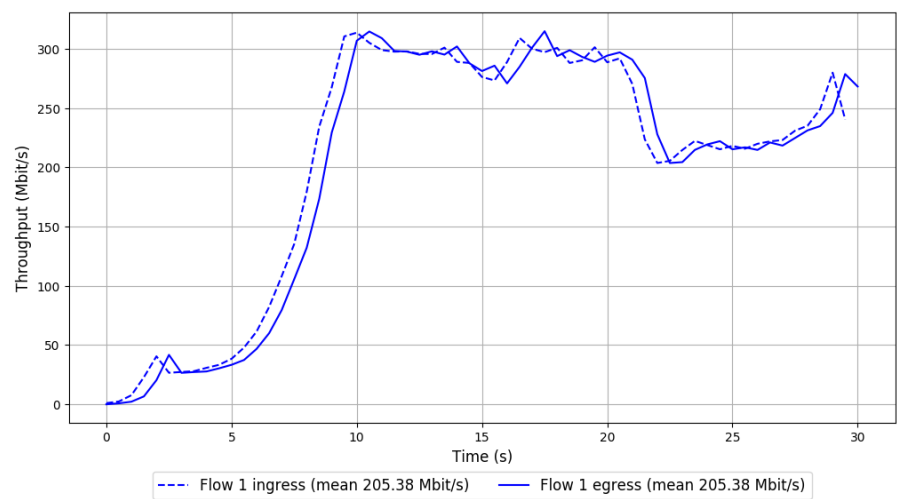
-- Flow 1:

Average throughput: 205.38 Mbit/s

95th percentile per-packet one-way delay: 59.551 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-05-23 17:34:06

End at: 2018-05-23 17:34:36

Local clock offset: 0.369 ms

Remote clock offset: -0.216 ms

Below is generated by plot.py at 2018-05-23 20:41:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.09 Mbit/s

95th percentile per-packet one-way delay: 60.223 ms

Loss rate: 0.00%

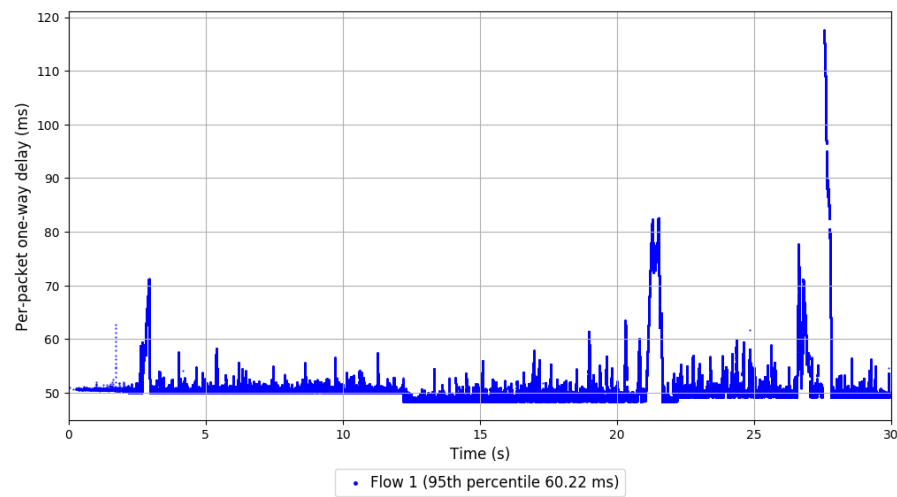
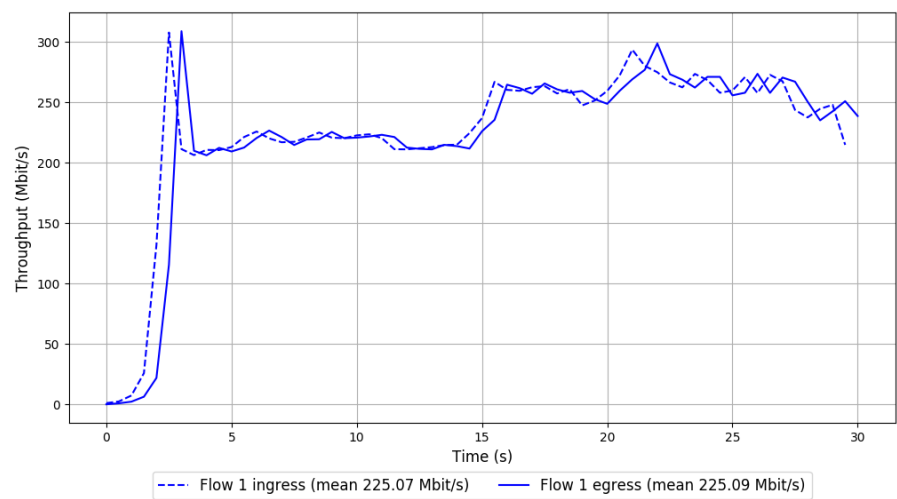
-- Flow 1:

Average throughput: 225.09 Mbit/s

95th percentile per-packet one-way delay: 60.223 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

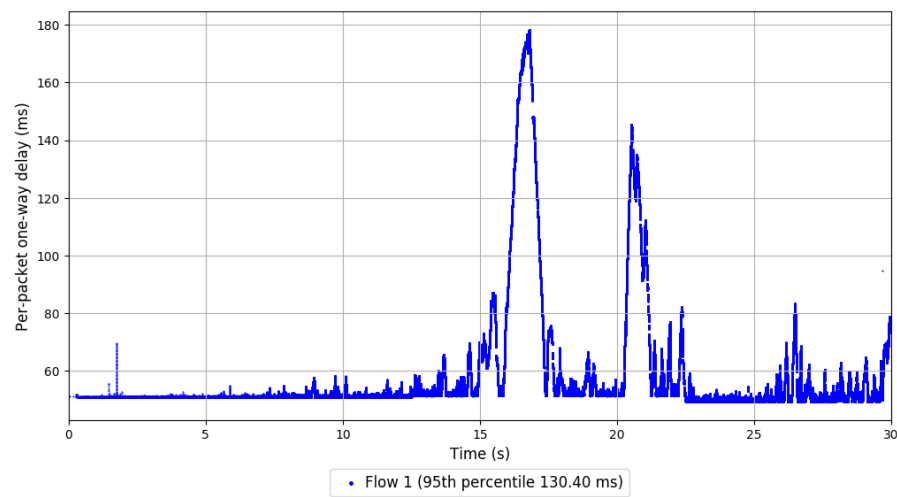
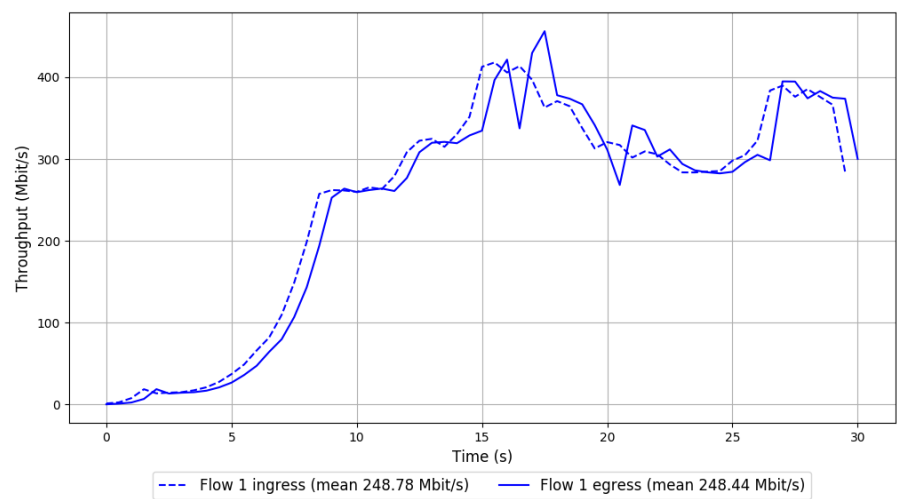


Run 6: Statistics of PCC-Vivace

Start at: 2018-05-23 17:53:56
End at: 2018-05-23 17:54:26
Local clock offset: -0.418 ms
Remote clock offset: -0.386 ms

Below is generated by plot.py at 2018-05-23 20:41:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 248.44 Mbit/s
95th percentile per-packet one-way delay: 130.402 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 248.44 Mbit/s
95th percentile per-packet one-way delay: 130.402 ms
Loss rate: 0.14%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-05-23 18:13:45

End at: 2018-05-23 18:14:15

Local clock offset: -0.042 ms

Remote clock offset: -0.57 ms

Below is generated by plot.py at 2018-05-23 20:42:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 256.58 Mbit/s

95th percentile per-packet one-way delay: 57.720 ms

Loss rate: 0.00%

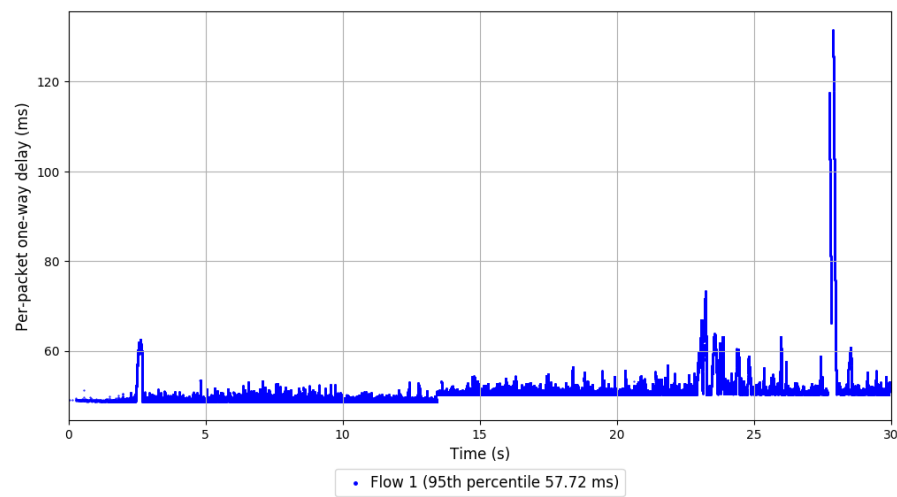
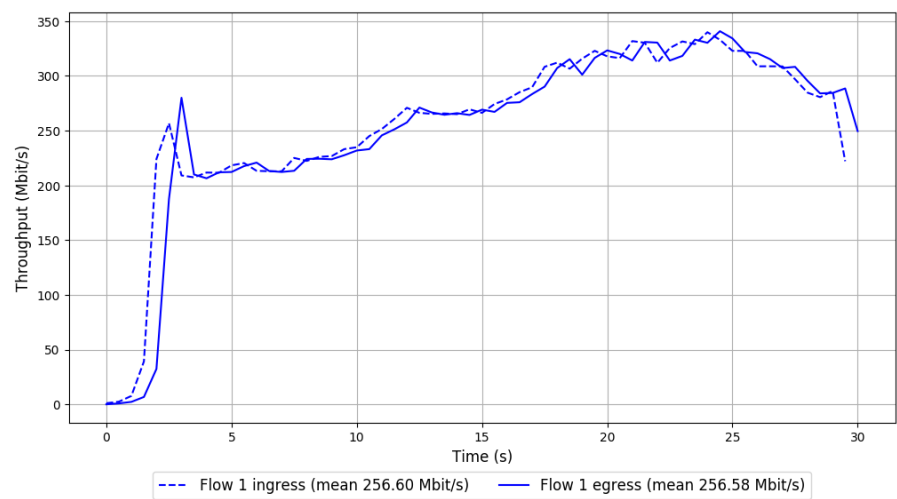
-- Flow 1:

Average throughput: 256.58 Mbit/s

95th percentile per-packet one-way delay: 57.720 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link

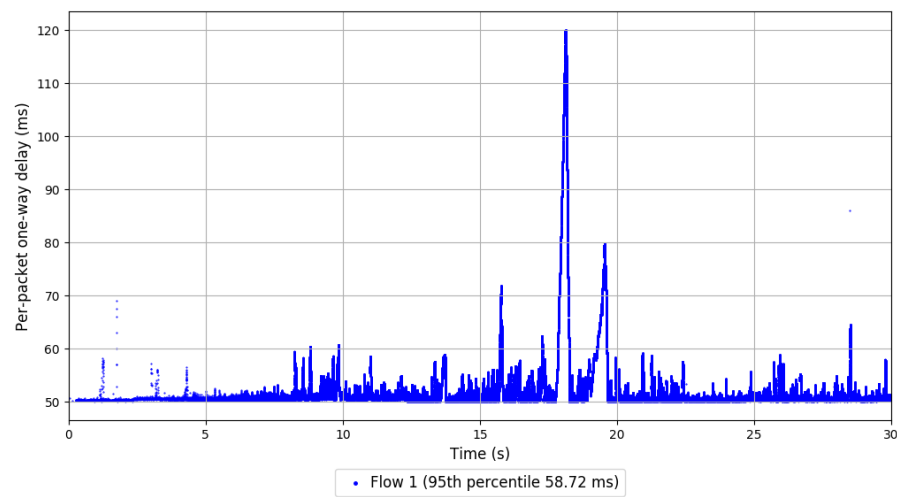
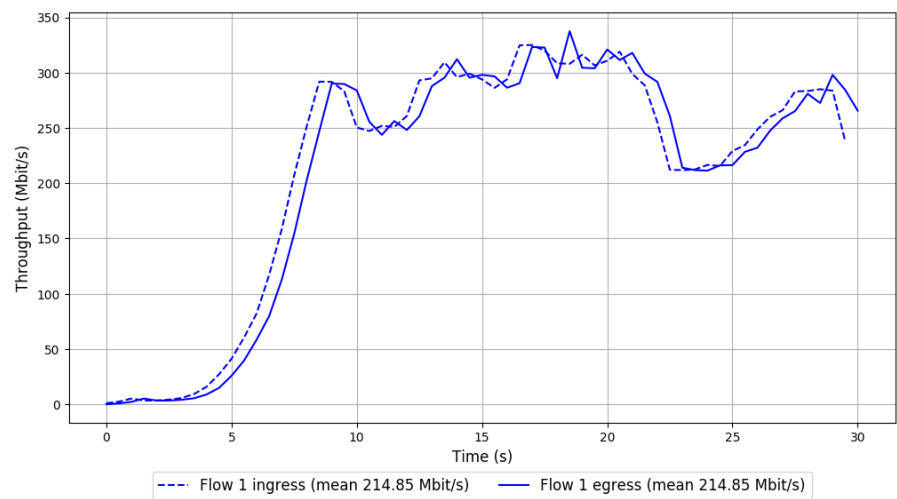


Run 8: Statistics of PCC-Vivace

Start at: 2018-05-23 18:33:36
End at: 2018-05-23 18:34:06
Local clock offset: -0.022 ms
Remote clock offset: -0.716 ms

Below is generated by plot.py at 2018-05-23 20:42:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 214.85 Mbit/s
95th percentile per-packet one-way delay: 58.724 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 214.85 Mbit/s
95th percentile per-packet one-way delay: 58.724 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

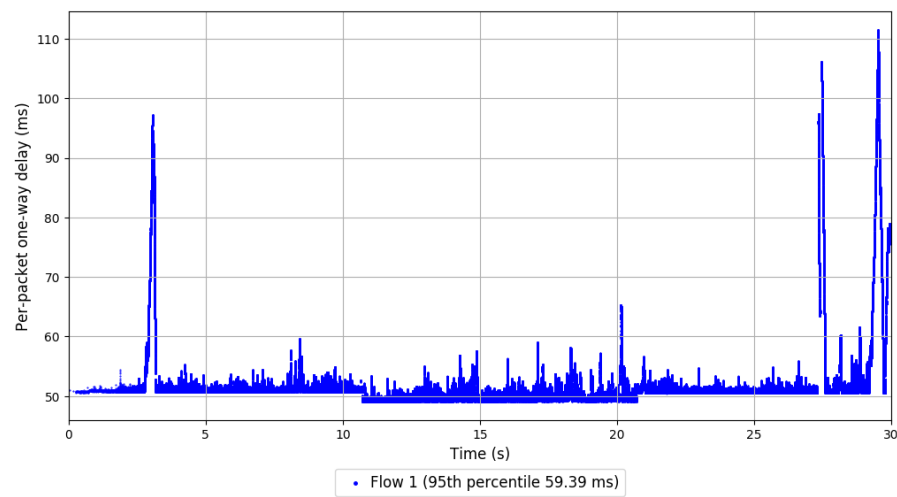
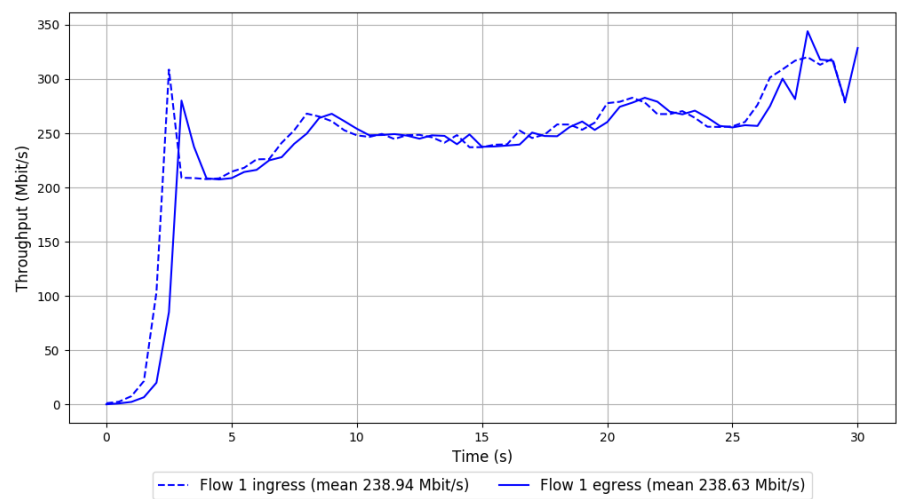


Run 9: Statistics of PCC-Vivace

Start at: 2018-05-23 18:53:28
End at: 2018-05-23 18:53:58
Local clock offset: -0.412 ms
Remote clock offset: -0.869 ms

Below is generated by plot.py at 2018-05-23 20:42:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 238.63 Mbit/s
95th percentile per-packet one-way delay: 59.387 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 238.63 Mbit/s
95th percentile per-packet one-way delay: 59.387 ms
Loss rate: 0.13%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-05-23 19:13:23

End at: 2018-05-23 19:13:53

Local clock offset: 0.386 ms

Remote clock offset: -0.988 ms

Below is generated by plot.py at 2018-05-23 20:42:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 334.92 Mbit/s

95th percentile per-packet one-way delay: 192.674 ms

Loss rate: 1.67%

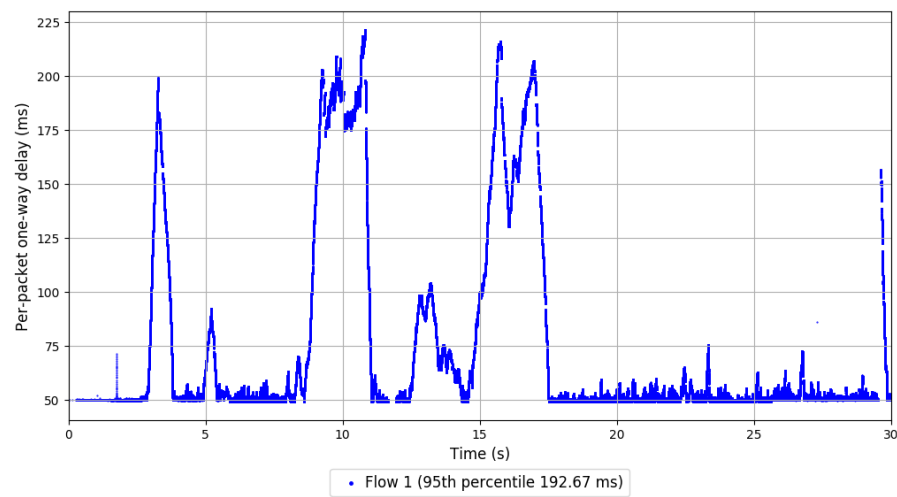
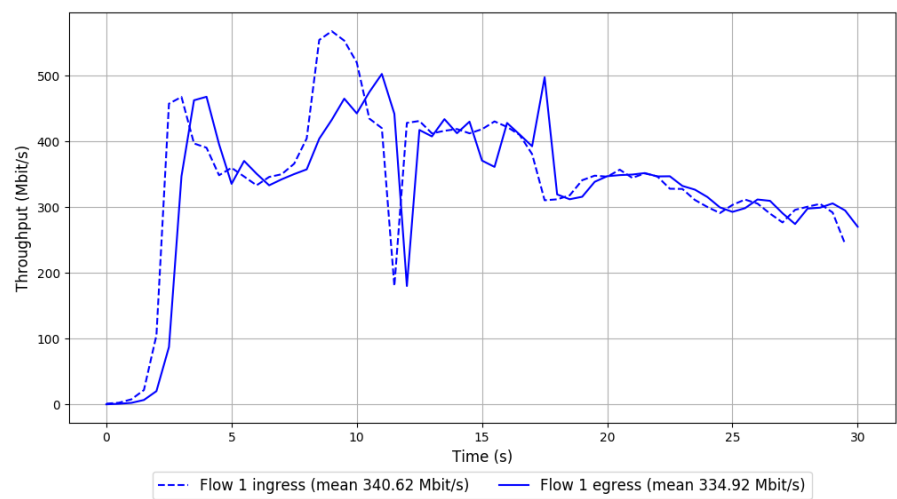
-- Flow 1:

Average throughput: 334.92 Mbit/s

95th percentile per-packet one-way delay: 192.674 ms

Loss rate: 1.67%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-05-23 16:09:56

End at: 2018-05-23 16:10:26

Local clock offset: -0.052 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-05-23 20:42:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 50.878 ms

Loss rate: 0.00%

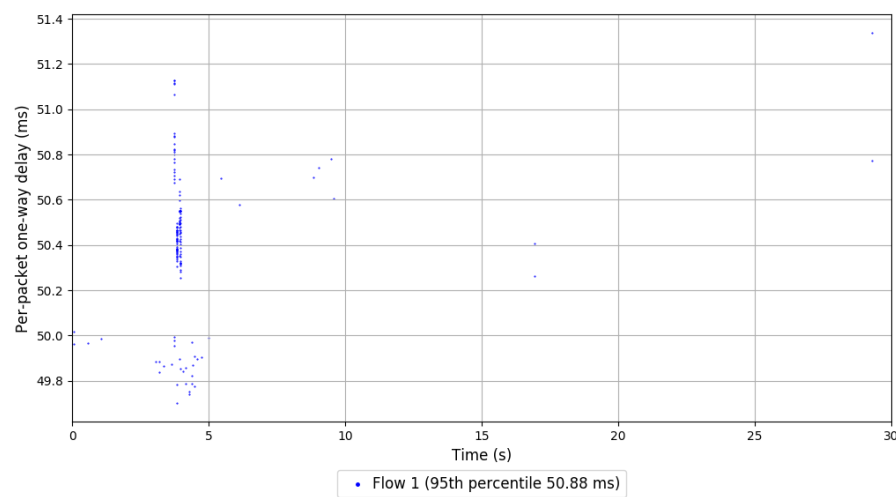
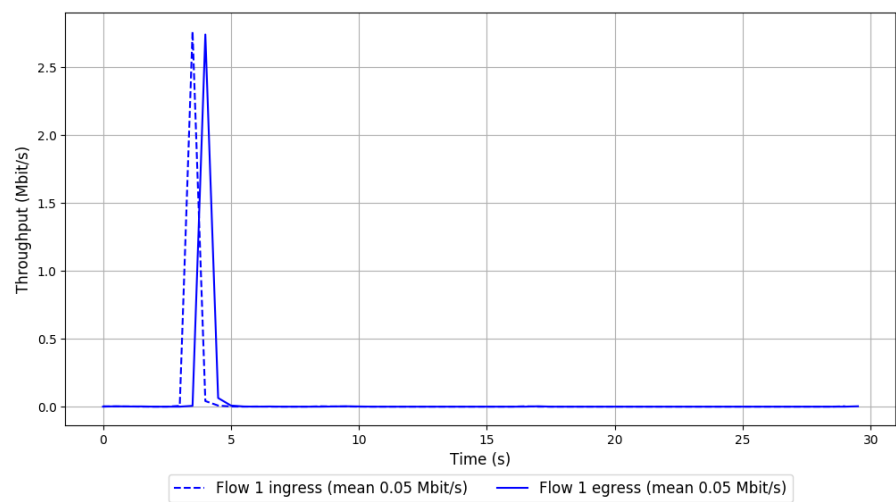
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 50.878 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-05-23 16:29:44

End at: 2018-05-23 16:30:14

Local clock offset: -0.01 ms

Remote clock offset: 0.395 ms

Below is generated by plot.py at 2018-05-23 20:42:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 51.586 ms

Loss rate: 0.00%

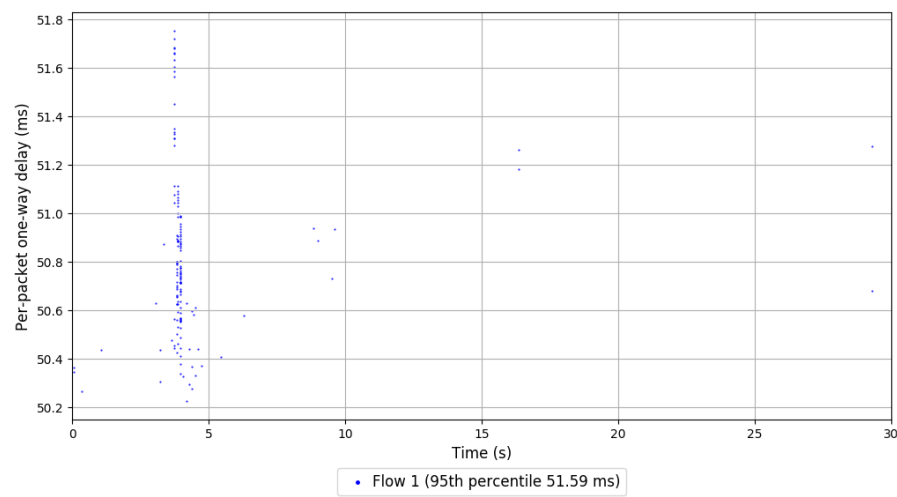
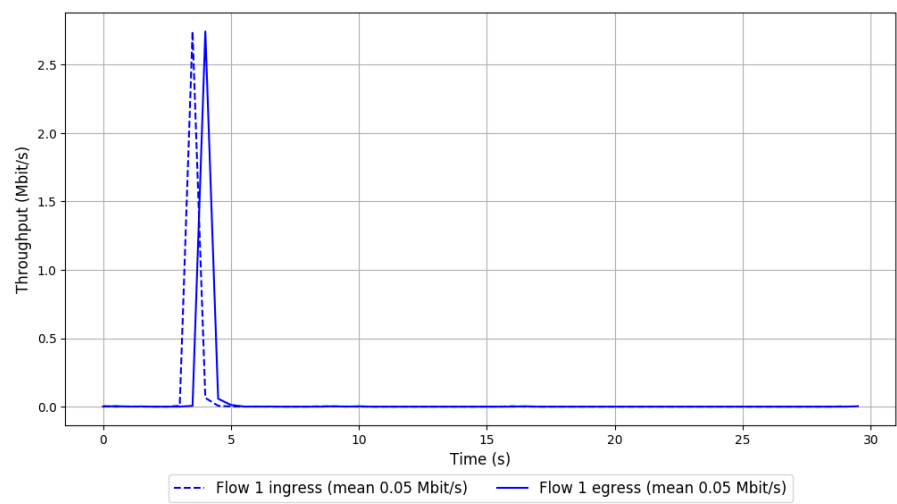
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 51.586 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-05-23 16:49:37

End at: 2018-05-23 16:50:07

Local clock offset: 0.007 ms

Remote clock offset: 0.717 ms

Below is generated by plot.py at 2018-05-23 20:42:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 51.589 ms

Loss rate: 0.00%

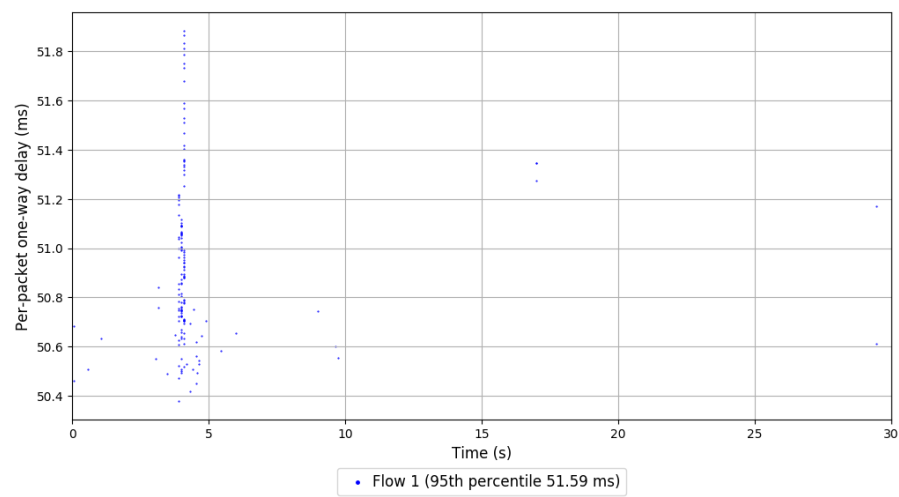
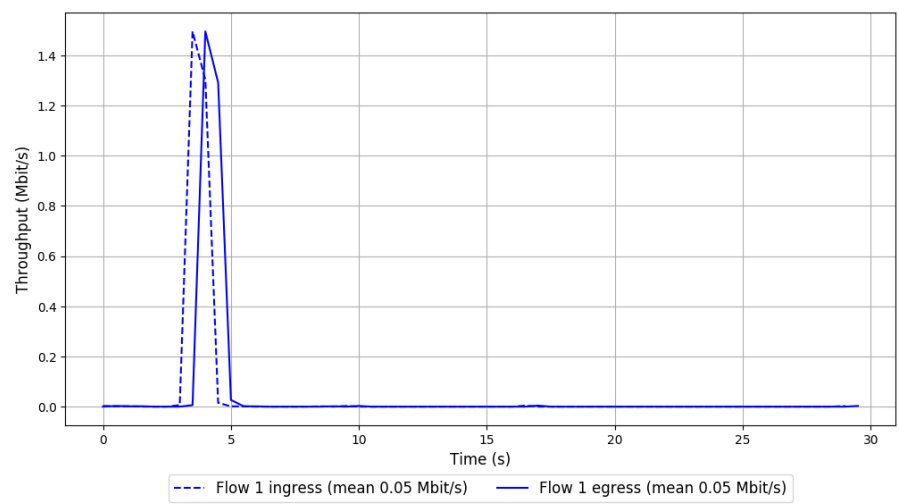
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 51.589 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-05-23 17:09:29

End at: 2018-05-23 17:09:59

Local clock offset: 0.036 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-05-23 20:42:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 51.337 ms

Loss rate: 0.00%

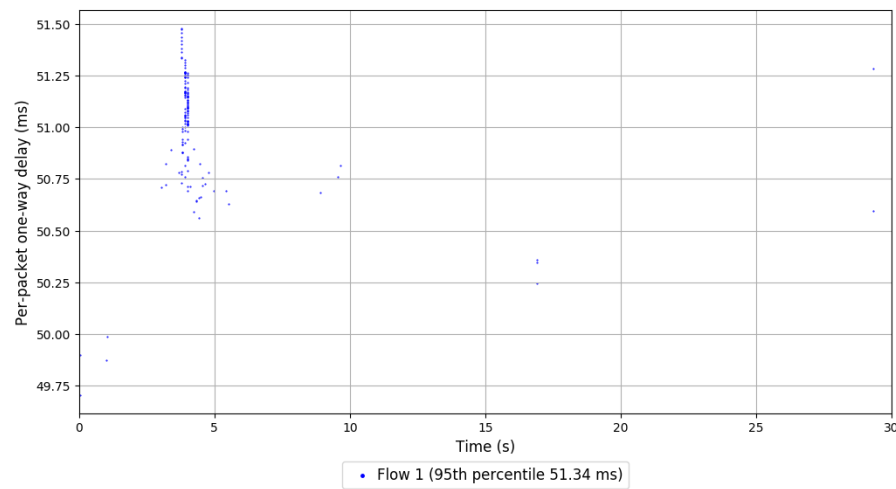
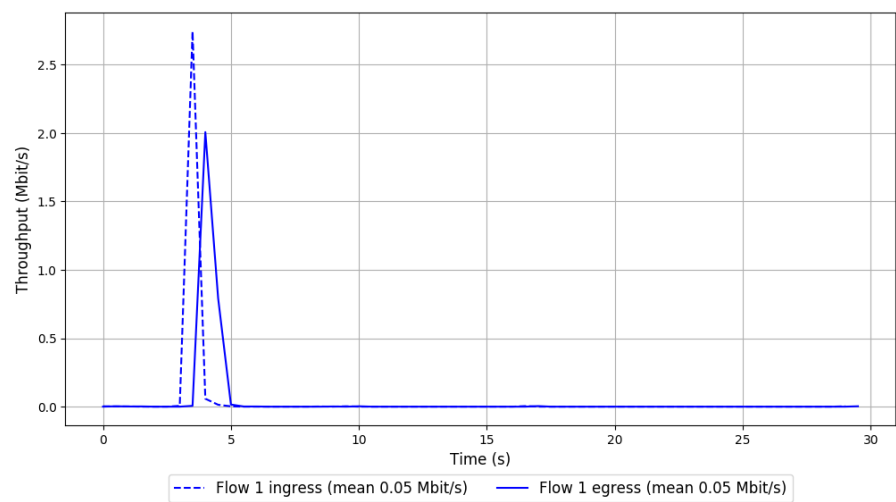
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 51.337 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

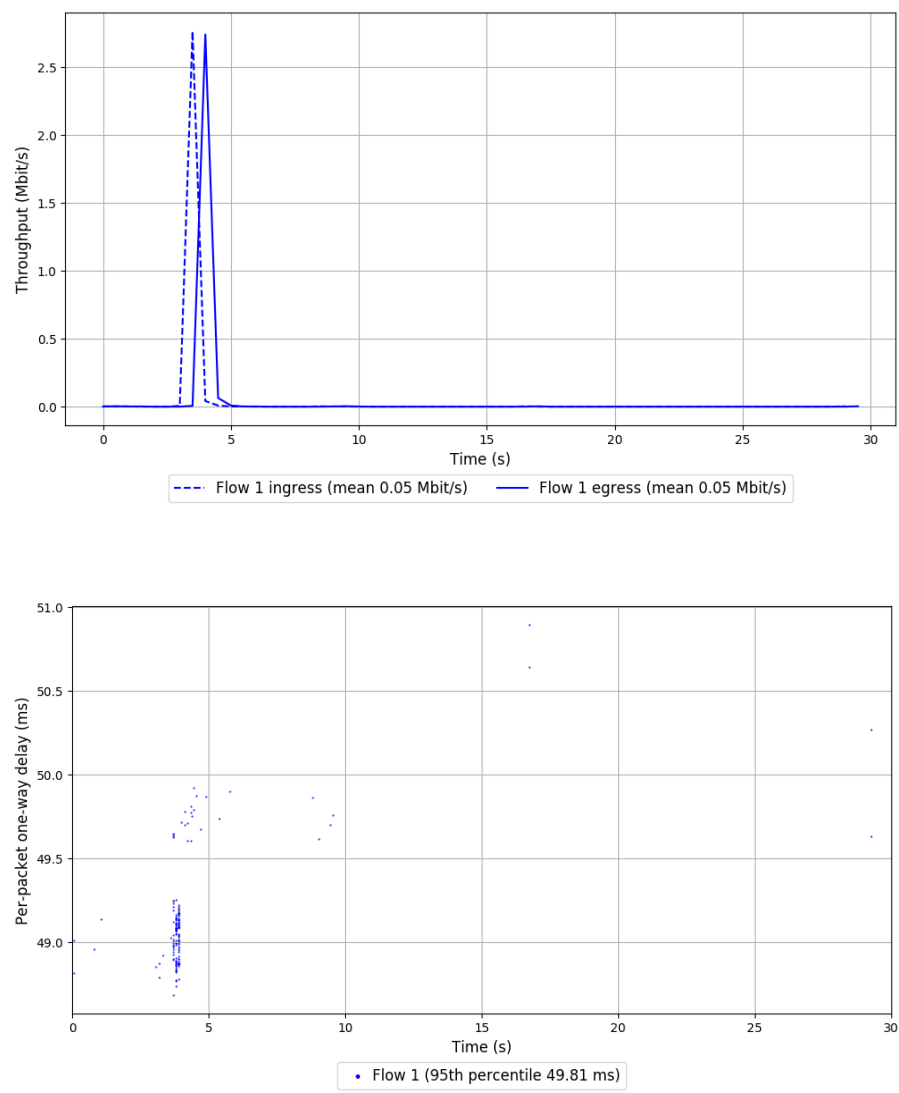


Run 5: Statistics of WebRTC media

Start at: 2018-05-23 17:29:17
End at: 2018-05-23 17:29:47
Local clock offset: 0.038 ms
Remote clock offset: -0.205 ms

Below is generated by plot.py at 2018-05-23 20:42:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 49.812 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 49.812 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

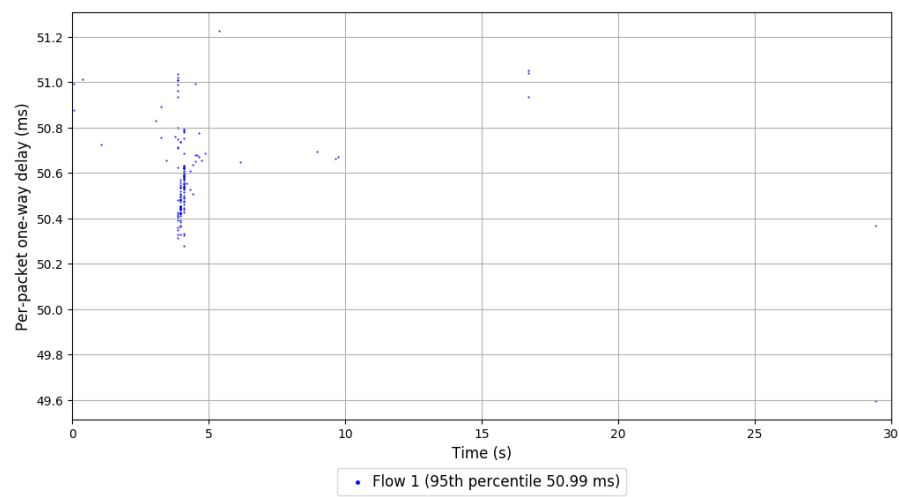
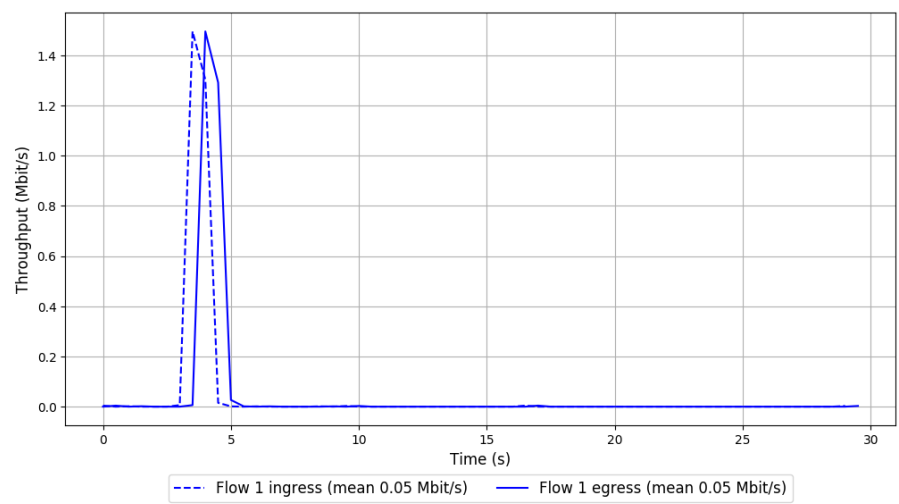


Run 6: Statistics of WebRTC media

Start at: 2018-05-23 17:49:10
End at: 2018-05-23 17:49:40
Local clock offset: -0.017 ms
Remote clock offset: -0.406 ms

Below is generated by plot.py at 2018-05-23 20:42:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 50.995 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 50.995 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

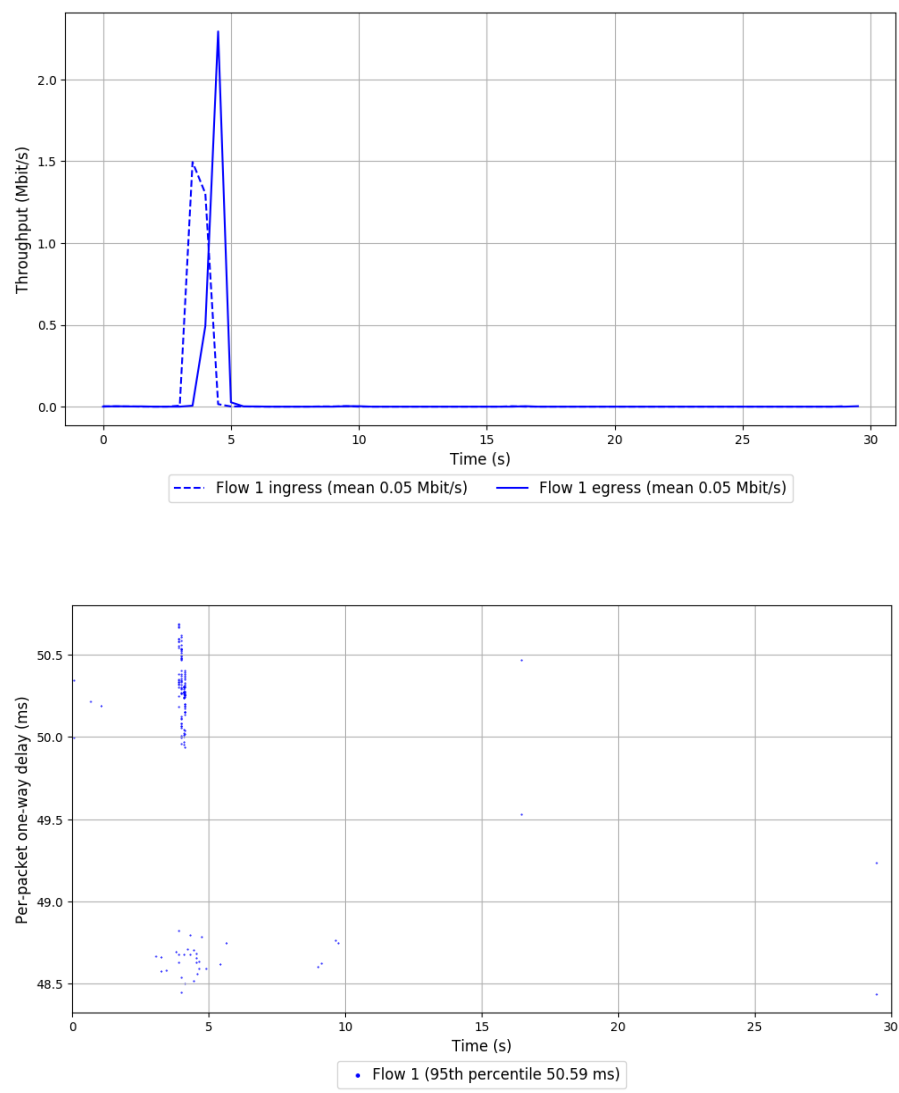


Run 7: Statistics of WebRTC media

Start at: 2018-05-23 18:08:58
End at: 2018-05-23 18:09:28
Local clock offset: 0.307 ms
Remote clock offset: -0.532 ms

Below is generated by plot.py at 2018-05-23 20:42:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 50.588 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 50.588 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

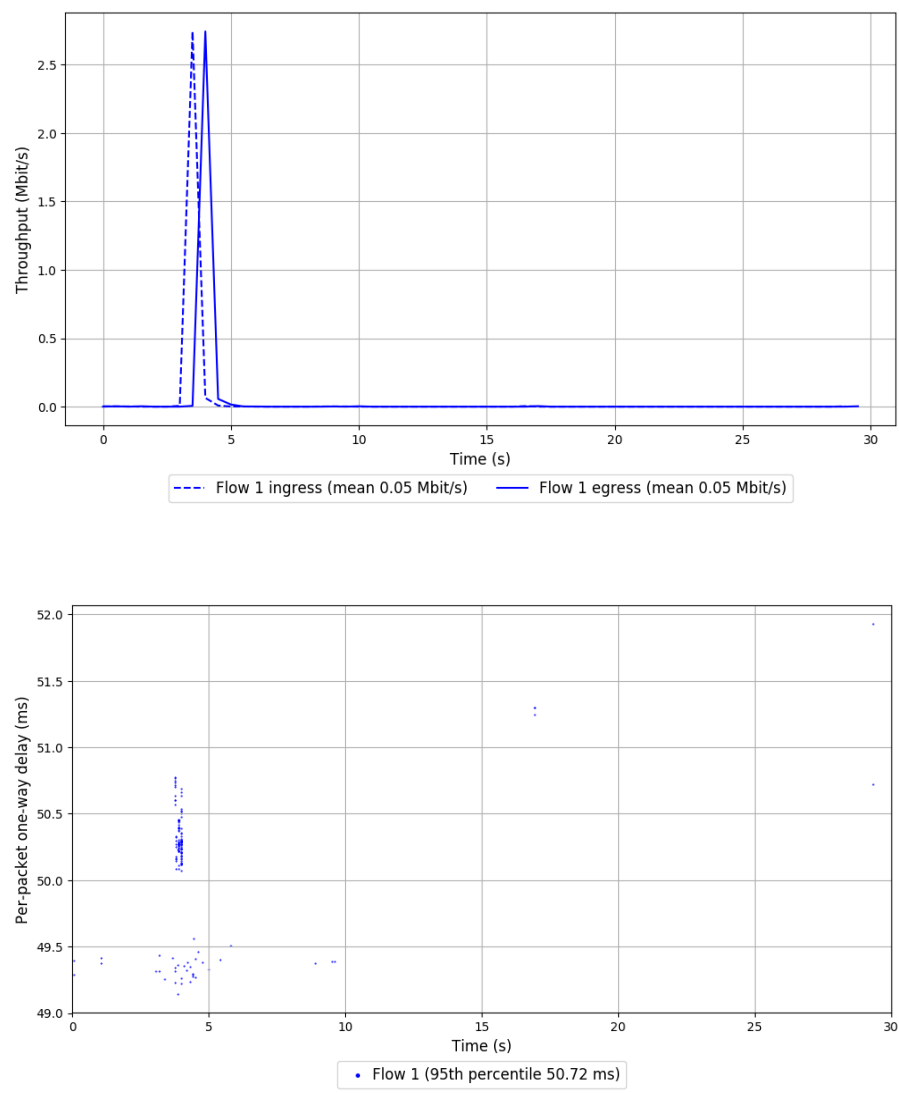


Run 8: Statistics of WebRTC media

Start at: 2018-05-23 18:28:51
End at: 2018-05-23 18:29:21
Local clock offset: -0.459 ms
Remote clock offset: -0.663 ms

Below is generated by plot.py at 2018-05-23 20:42:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 50.719 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 50.719 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

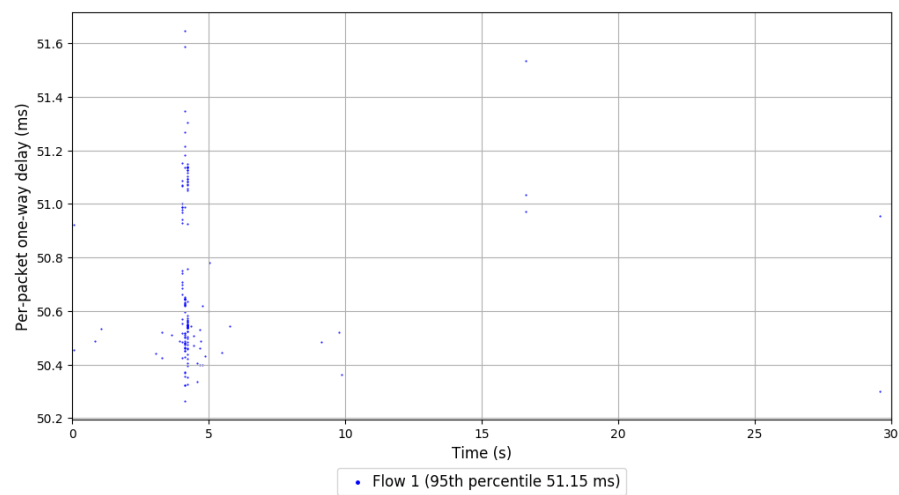
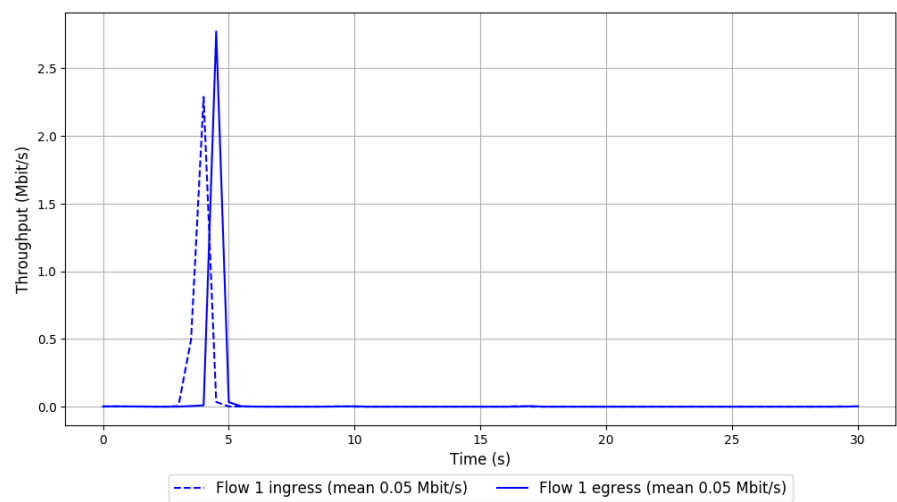


Run 9: Statistics of WebRTC media

Start at: 2018-05-23 18:48:42
End at: 2018-05-23 18:49:12
Local clock offset: -0.043 ms
Remote clock offset: -0.801 ms

Below is generated by plot.py at 2018-05-23 20:42:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 51.153 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 51.153 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-23 19:08:36

End at: 2018-05-23 19:09:06

Local clock offset: 0.326 ms

Remote clock offset: -0.961 ms

Below is generated by plot.py at 2018-05-23 20:42:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 50.630 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 50.630 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

