

Pantheon Report

Generated at 2018-07-25 14:55:59 (UTC).

Data path: GCE Sydney Ethernet (*local*) → GCE London Ethernet (*remote*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

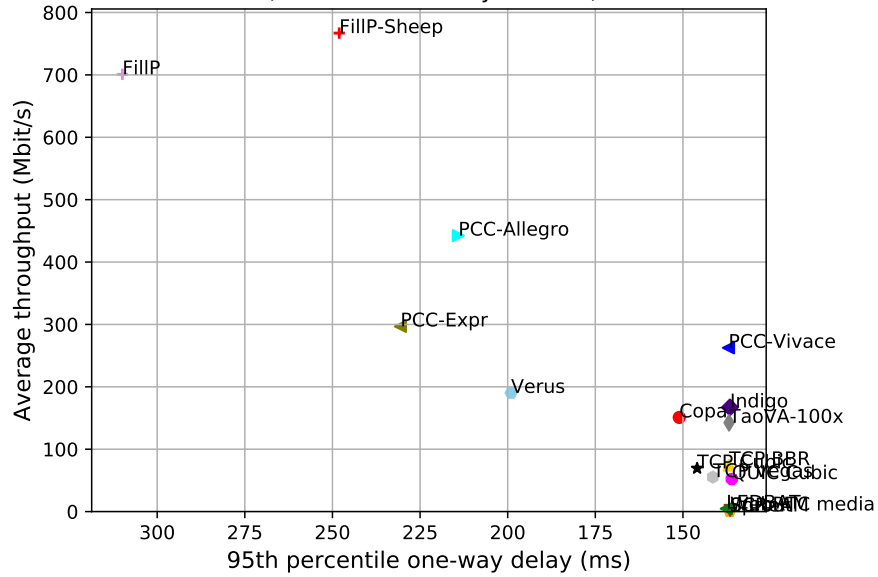
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

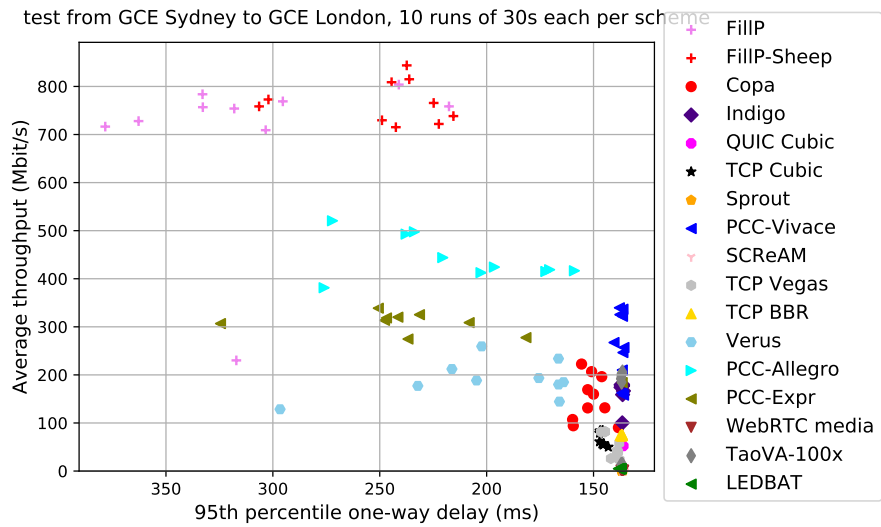
Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



test from GCE Sydney to GCE London, 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	74.39	136.82	0.00
Copa	10	150.95	151.05	0.00
TCP Cubic	10	69.33	145.95	0.00
FillP	10	700.95	309.94	3.38
FillP-Sheep	10	766.97	248.07	2.60
Indigo	10	167.03	136.60	0.00
LEDBAT	10	4.69	137.65	0.00
PCC-Allegro	10	442.38	214.08	0.80
PCC-Expr	10	296.78	230.61	0.66
QUIC Cubic	1	52.20	136.07	0.00
SCReAM	10	0.22	136.62	0.01
Sprout	10	0.16	136.64	0.00
TaoVA-100x	10	142.34	136.84	0.00
TCP Vegas	10	55.26	141.46	0.03
Verus	10	190.23	199.04	0.07
PCC-Vivace	10	262.47	137.01	0.00
WebRTC media	10	1.85	136.55	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-25 09:05:37

End at: 2018-07-25 09:06:07

Local clock offset: -0.405 ms

Remote clock offset: 0.399 ms

Below is generated by plot.py at 2018-07-25 12:59:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.67 Mbit/s

95th percentile per-packet one-way delay: 137.513 ms

Loss rate: 0.00%

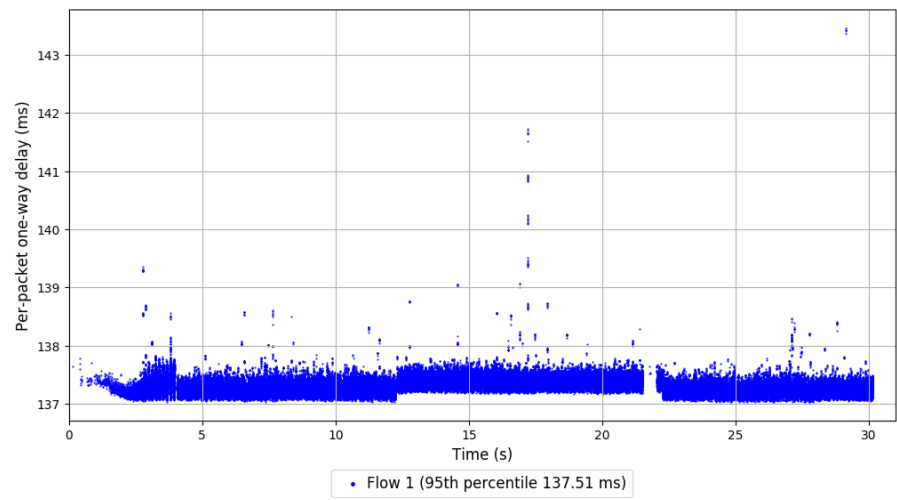
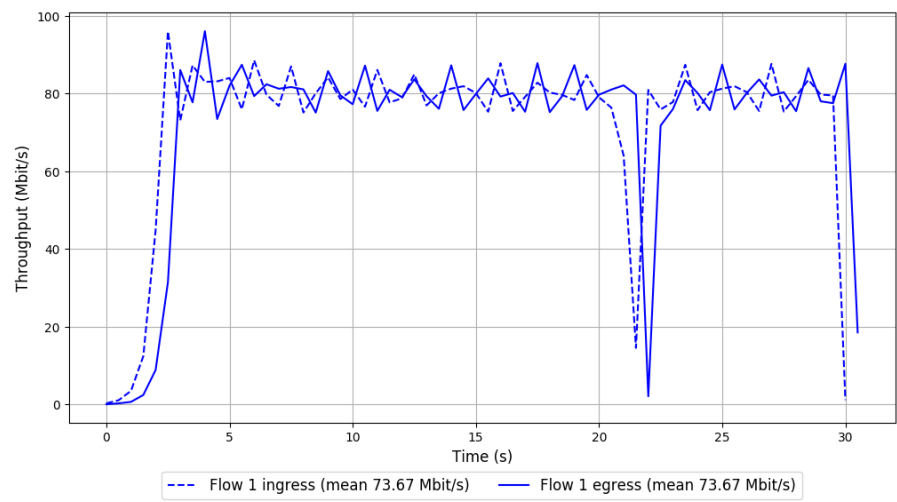
-- Flow 1:

Average throughput: 73.67 Mbit/s

95th percentile per-packet one-way delay: 137.513 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-25 09:28:18

End at: 2018-07-25 09:28:48

Local clock offset: -0.045 ms

Remote clock offset: 0.061 ms

Below is generated by plot.py at 2018-07-25 12:59:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.50 Mbit/s

95th percentile per-packet one-way delay: 136.709 ms

Loss rate: 0.00%

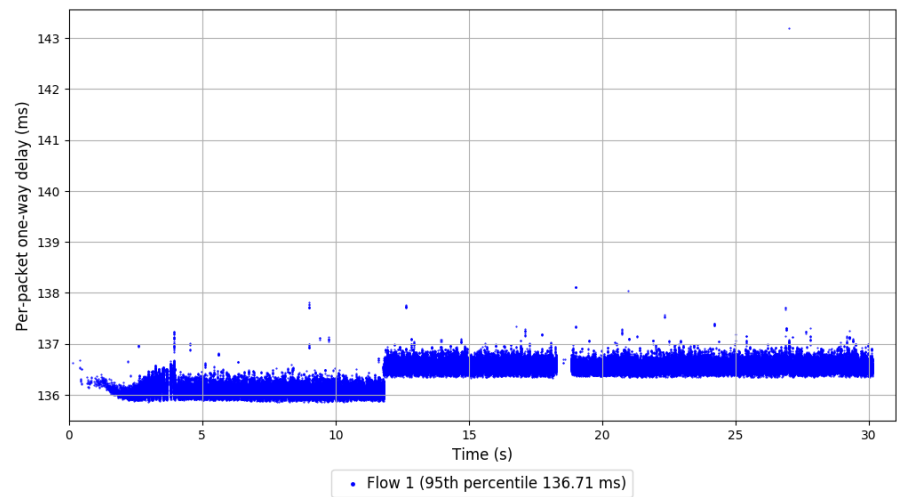
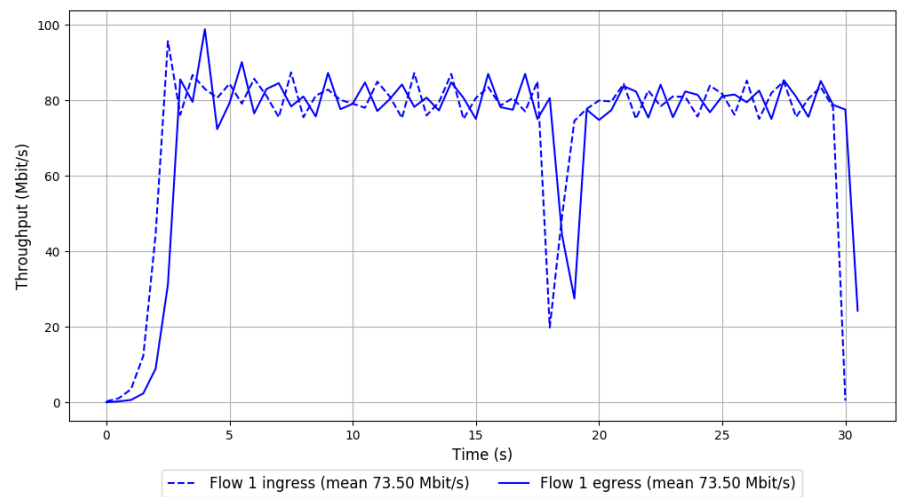
-- Flow 1:

Average throughput: 73.50 Mbit/s

95th percentile per-packet one-way delay: 136.709 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-25 09:51:17

End at: 2018-07-25 09:51:47

Local clock offset: -0.037 ms

Remote clock offset: 0.459 ms

Below is generated by plot.py at 2018-07-25 12:59:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.59 Mbit/s

95th percentile per-packet one-way delay: 136.639 ms

Loss rate: 0.00%

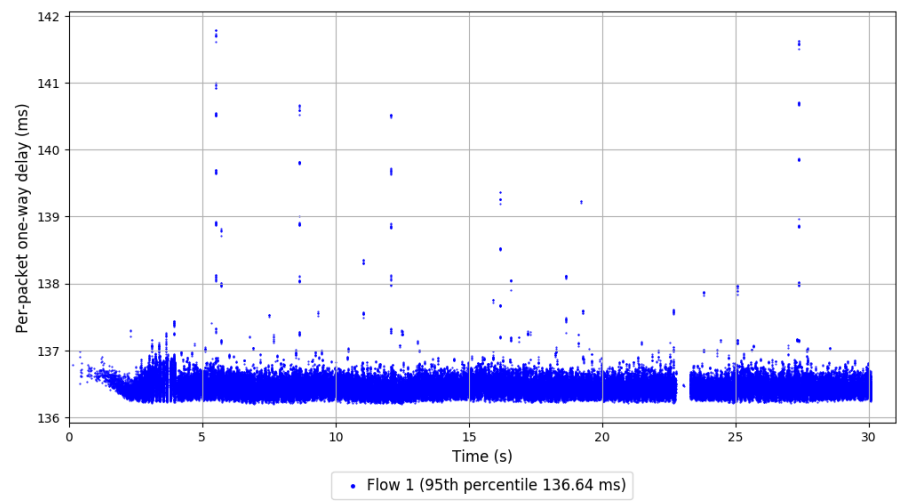
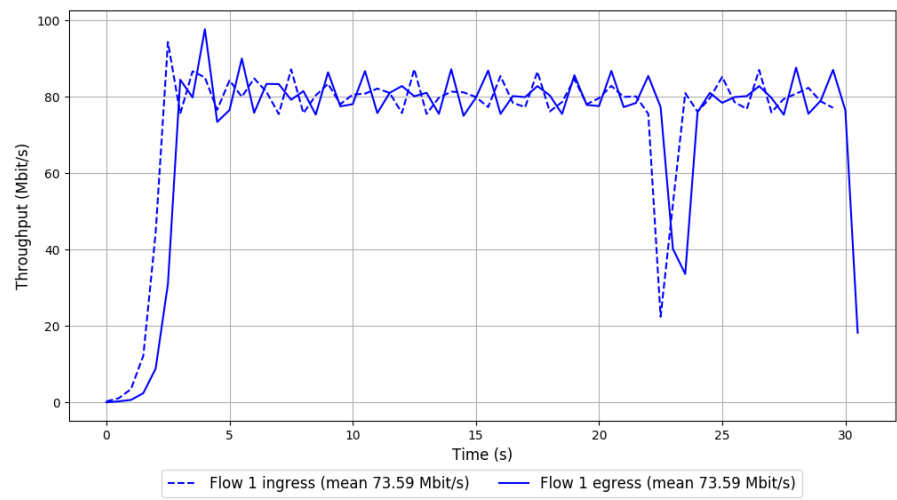
-- Flow 1:

Average throughput: 73.59 Mbit/s

95th percentile per-packet one-way delay: 136.639 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link

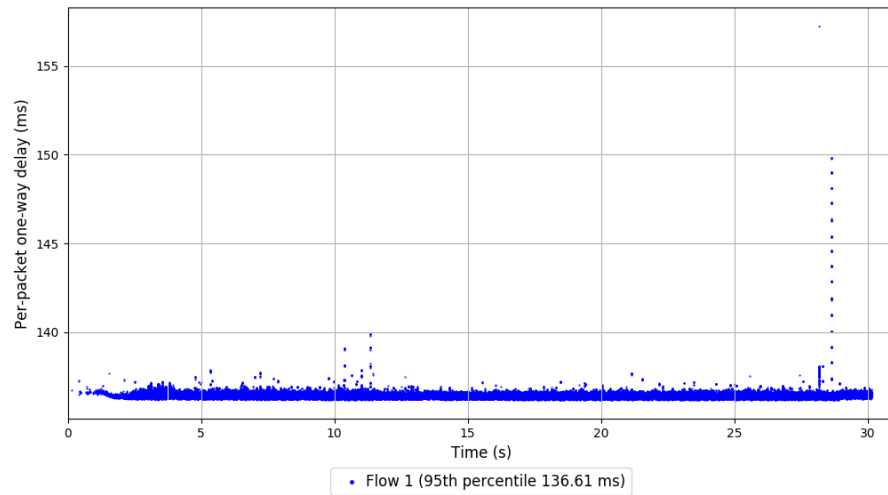
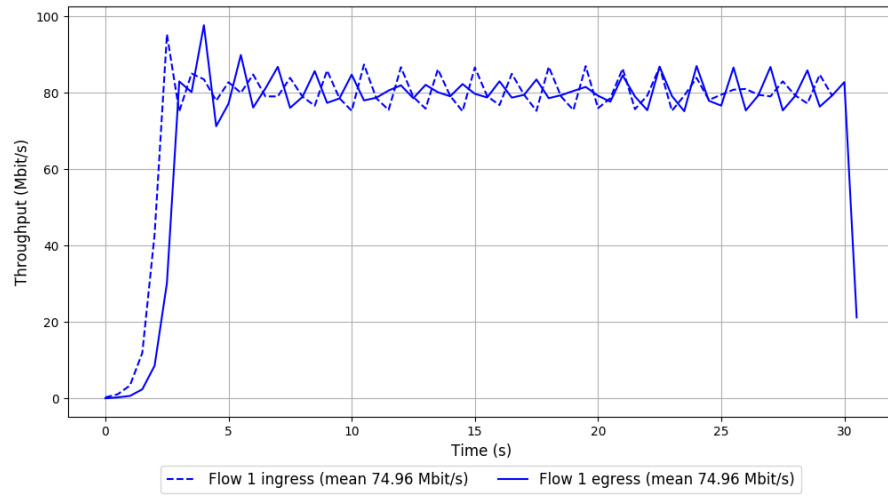


Run 4: Statistics of TCP BBR

Start at: 2018-07-25 10:14:01
End at: 2018-07-25 10:14:31
Local clock offset: -0.299 ms
Remote clock offset: -0.284 ms

Below is generated by plot.py at 2018-07-25 12:59:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.96 Mbit/s
95th percentile per-packet one-way delay: 136.609 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 74.96 Mbit/s
95th percentile per-packet one-way delay: 136.609 ms
Loss rate: 0.01%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-25 10:36:37

End at: 2018-07-25 10:37:07

Local clock offset: -0.137 ms

Remote clock offset: 0.092 ms

Below is generated by plot.py at 2018-07-25 12:59:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.64 Mbit/s

95th percentile per-packet one-way delay: 136.680 ms

Loss rate: 0.00%

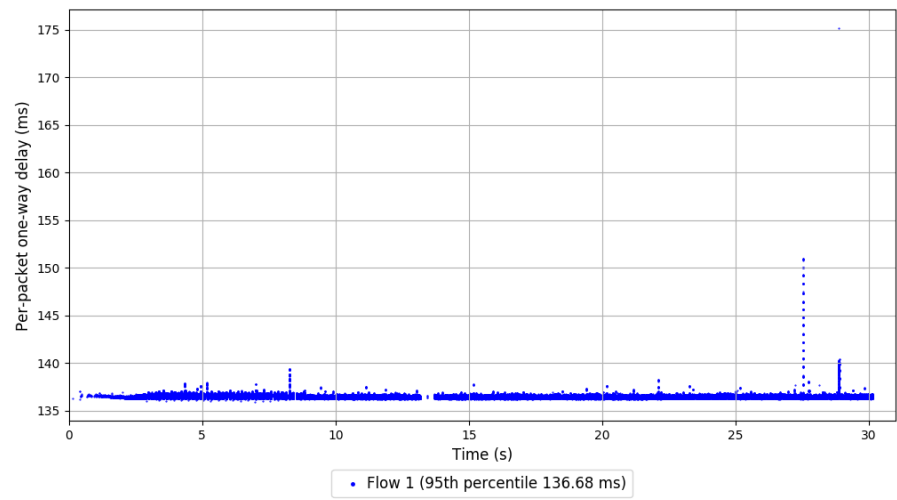
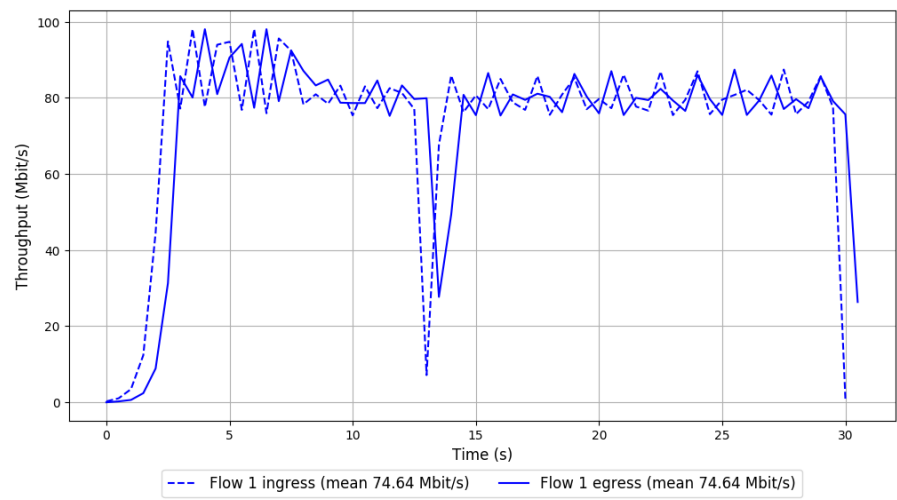
-- Flow 1:

Average throughput: 74.64 Mbit/s

95th percentile per-packet one-way delay: 136.680 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-25 10:59:47

End at: 2018-07-25 11:00:17

Local clock offset: -0.16 ms

Remote clock offset: 0.353 ms

Below is generated by plot.py at 2018-07-25 12:59:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.46 Mbit/s

95th percentile per-packet one-way delay: 137.084 ms

Loss rate: 0.00%

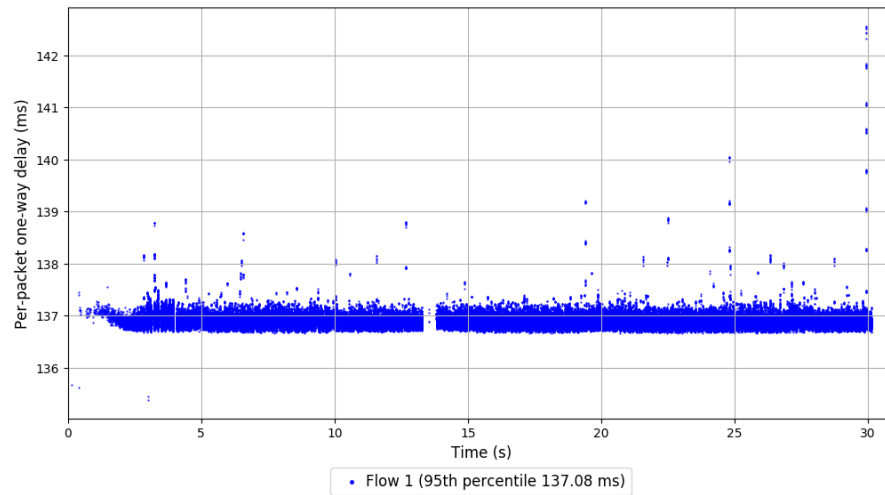
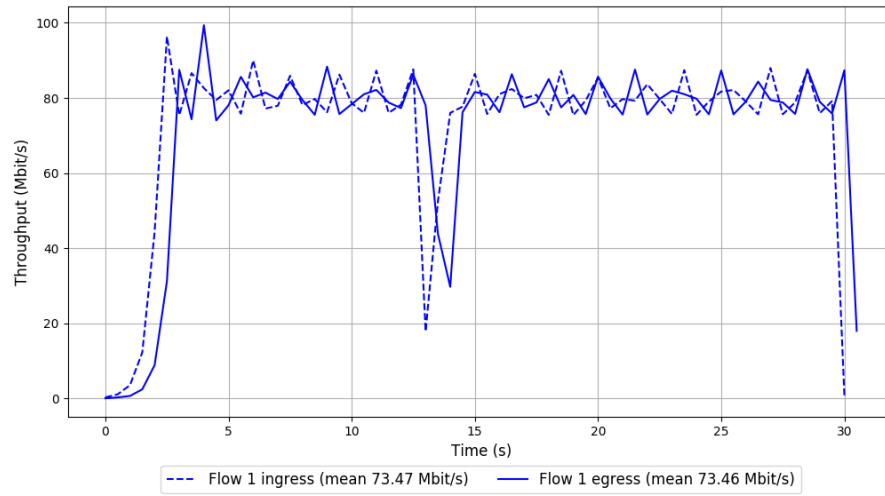
-- Flow 1:

Average throughput: 73.46 Mbit/s

95th percentile per-packet one-way delay: 137.084 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

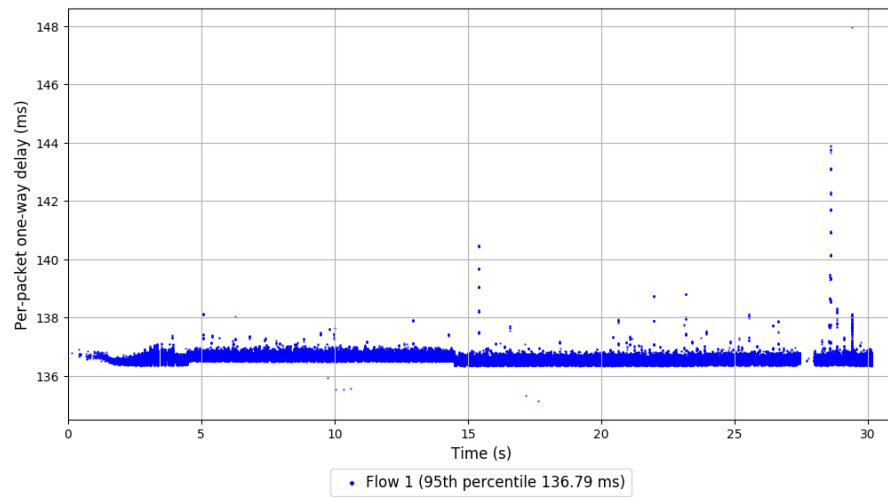
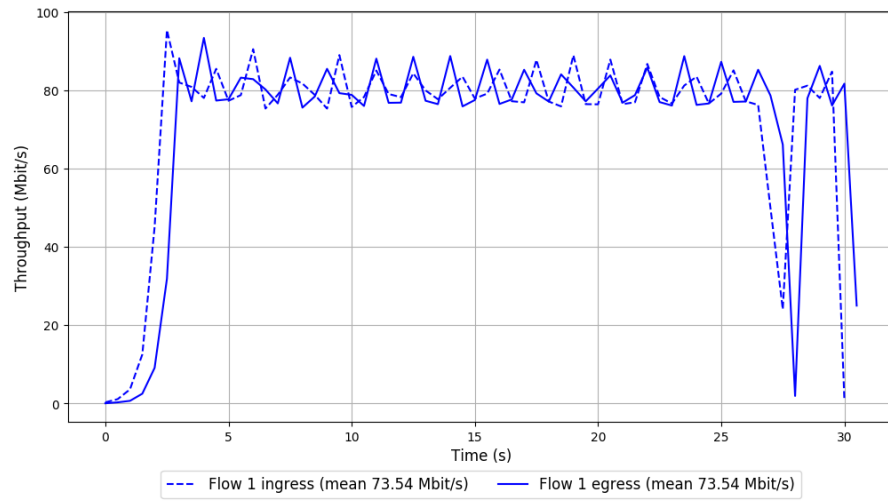


Run 7: Statistics of TCP BBR

Start at: 2018-07-25 11:22:35
End at: 2018-07-25 11:23:05
Local clock offset: -0.126 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-25 12:59:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.54 Mbit/s
95th percentile per-packet one-way delay: 136.786 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.54 Mbit/s
95th percentile per-packet one-way delay: 136.786 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link

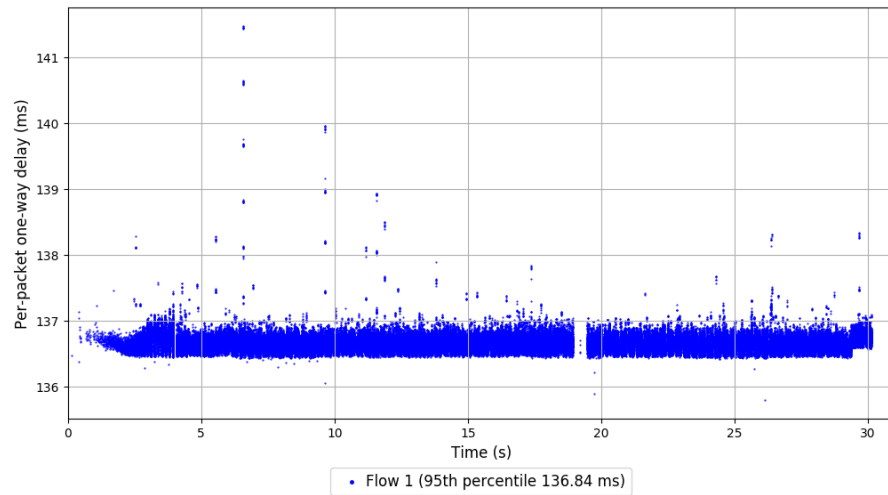
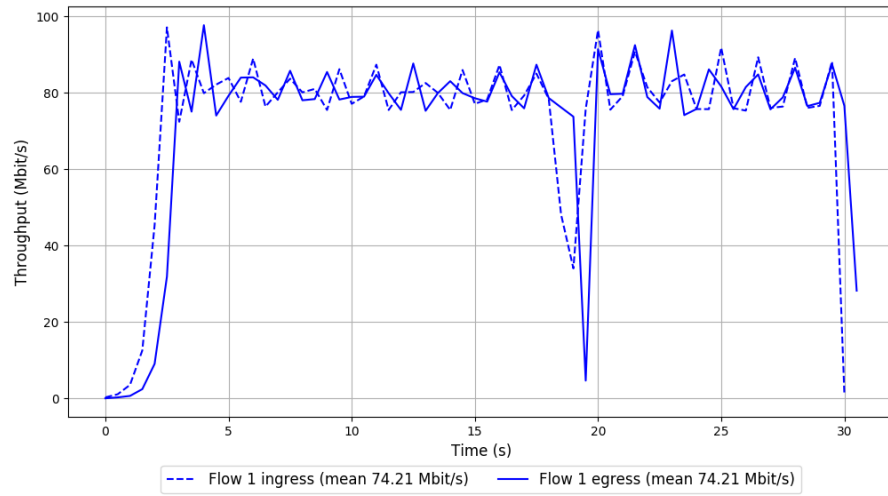


Run 8: Statistics of TCP BBR

Start at: 2018-07-25 11:45:10
End at: 2018-07-25 11:45:40
Local clock offset: -0.196 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-25 12:59:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.21 Mbit/s
95th percentile per-packet one-way delay: 136.835 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 74.21 Mbit/s
95th percentile per-packet one-way delay: 136.835 ms
Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-25 12:08:18

End at: 2018-07-25 12:08:48

Local clock offset: 0.023 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-25 13:01:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.94 Mbit/s

95th percentile per-packet one-way delay: 136.584 ms

Loss rate: 0.00%

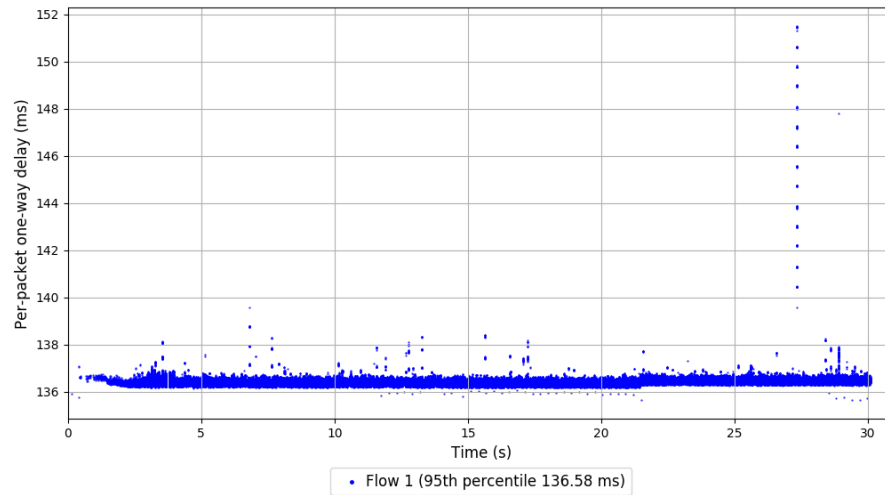
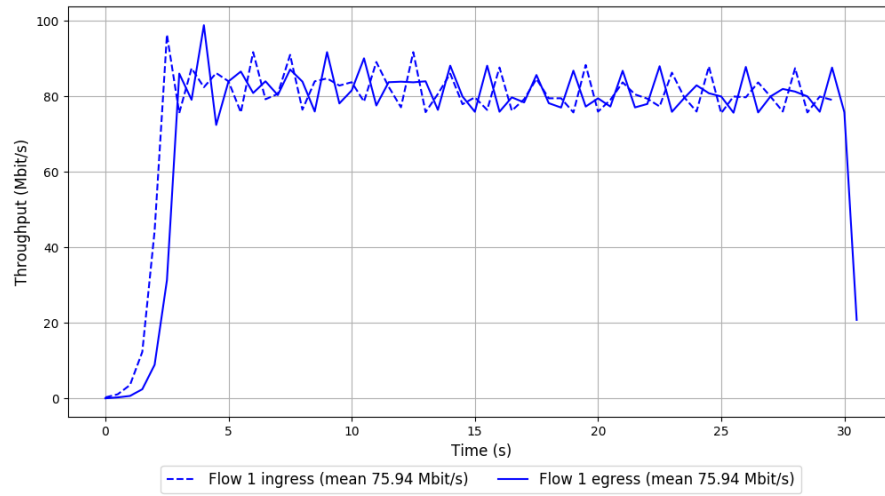
-- Flow 1:

Average throughput: 75.94 Mbit/s

95th percentile per-packet one-way delay: 136.584 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-25 12:31:28

End at: 2018-07-25 12:31:58

Local clock offset: -0.01 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-07-25 13:01:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.36 Mbit/s

95th percentile per-packet one-way delay: 136.806 ms

Loss rate: 0.00%

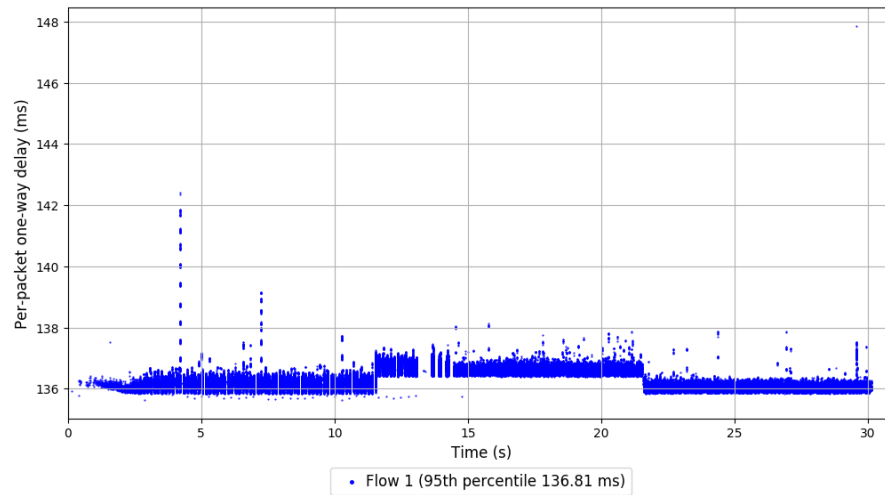
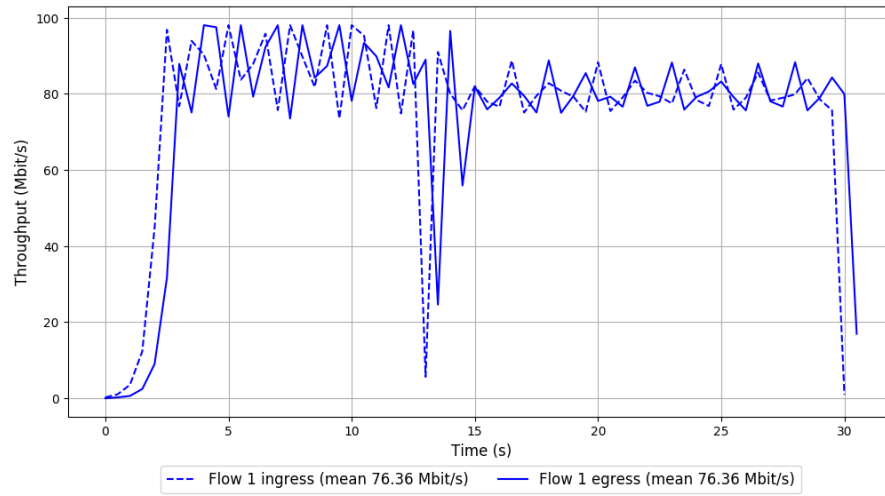
-- Flow 1:

Average throughput: 76.36 Mbit/s

95th percentile per-packet one-way delay: 136.806 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-25 09:04:06

End at: 2018-07-25 09:04:37

Local clock offset: -0.078 ms

Remote clock offset: 0.381 ms

Below is generated by plot.py at 2018-07-25 13:08:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.56 Mbit/s

95th percentile per-packet one-way delay: 155.606 ms

Loss rate: 0.00%

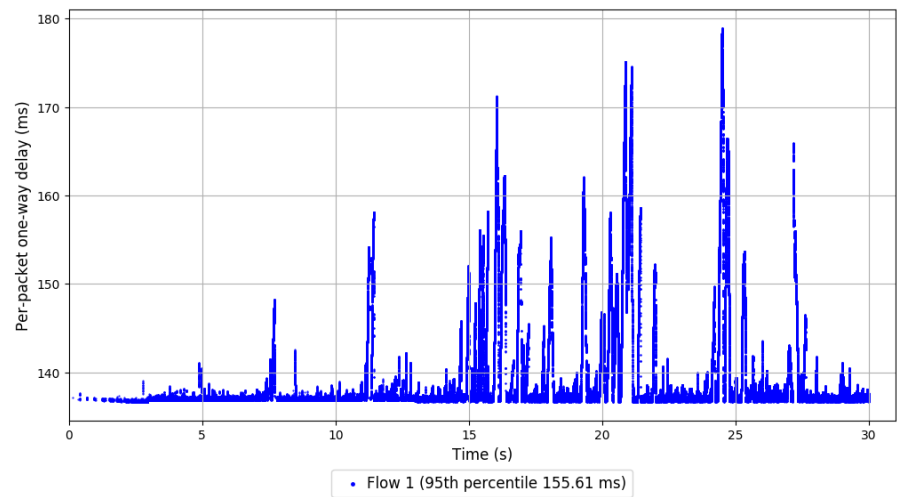
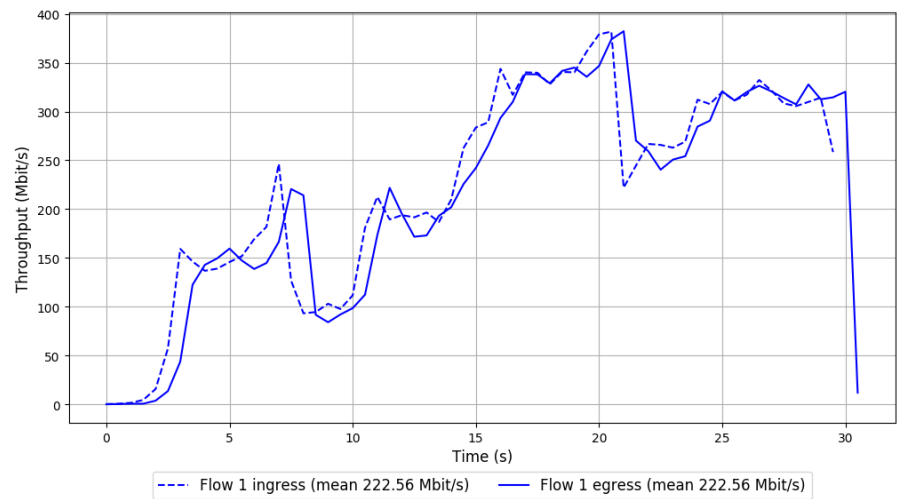
-- Flow 1:

Average throughput: 222.56 Mbit/s

95th percentile per-packet one-way delay: 155.606 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-25 09:26:53

End at: 2018-07-25 09:27:23

Local clock offset: 0.12 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2018-07-25 13:08:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 160.01 Mbit/s

95th percentile per-packet one-way delay: 150.029 ms

Loss rate: 0.00%

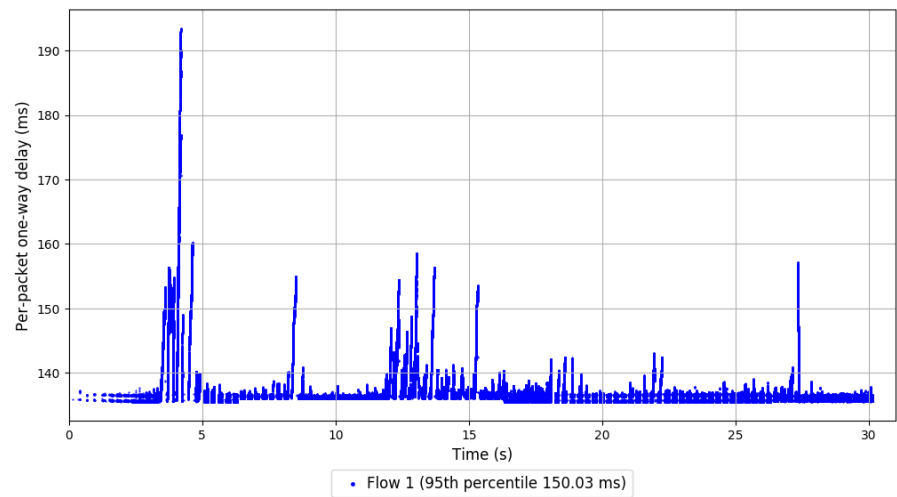
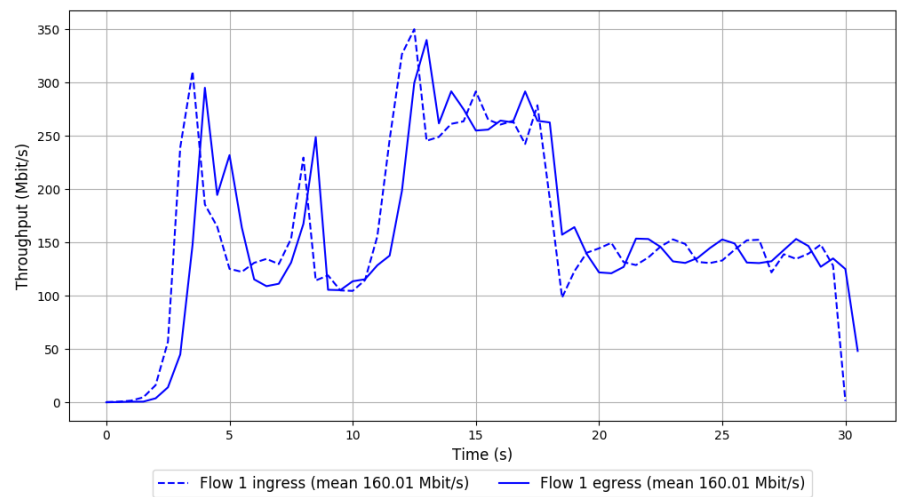
-- Flow 1:

Average throughput: 160.01 Mbit/s

95th percentile per-packet one-way delay: 150.029 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-25 09:49:47

End at: 2018-07-25 09:50:17

Local clock offset: 0.165 ms

Remote clock offset: 0.144 ms

Below is generated by plot.py at 2018-07-25 13:08:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.77 Mbit/s

95th percentile per-packet one-way delay: 150.898 ms

Loss rate: 0.00%

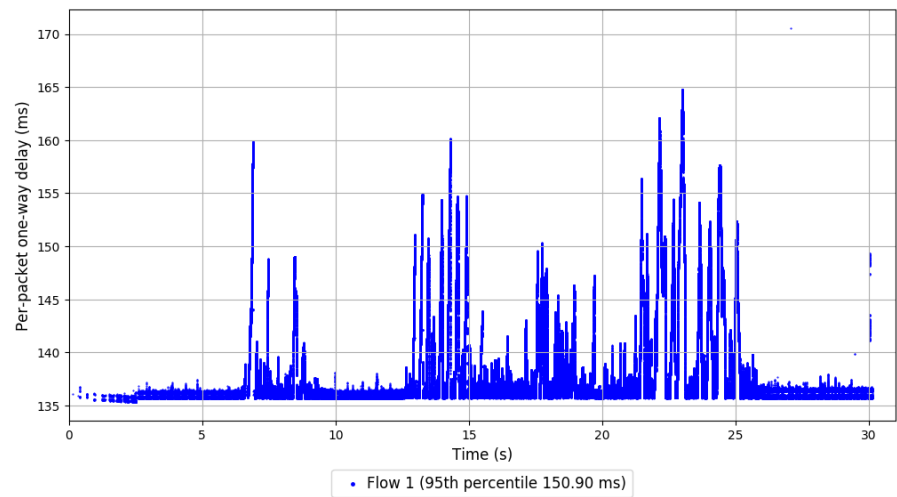
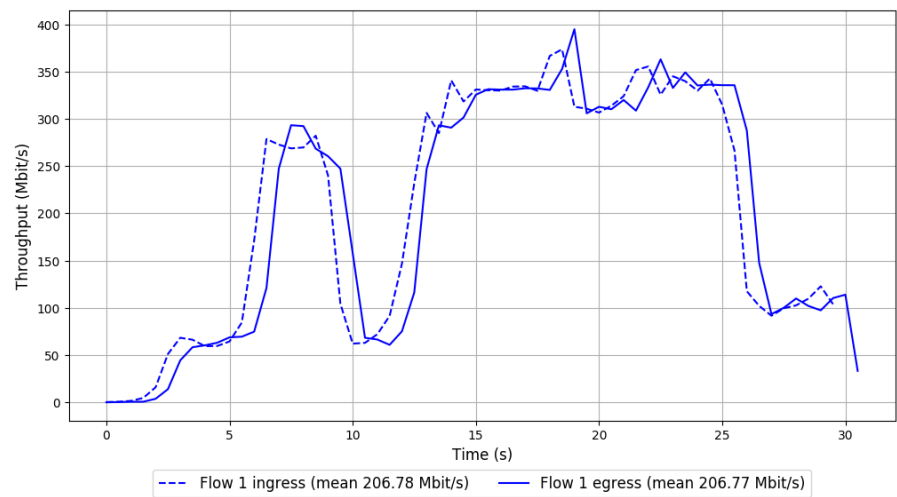
-- Flow 1:

Average throughput: 206.77 Mbit/s

95th percentile per-packet one-way delay: 150.898 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link

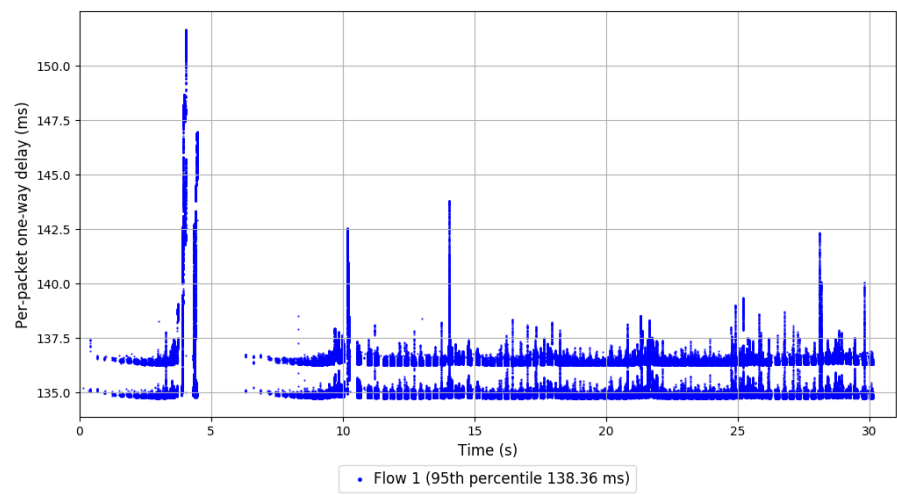
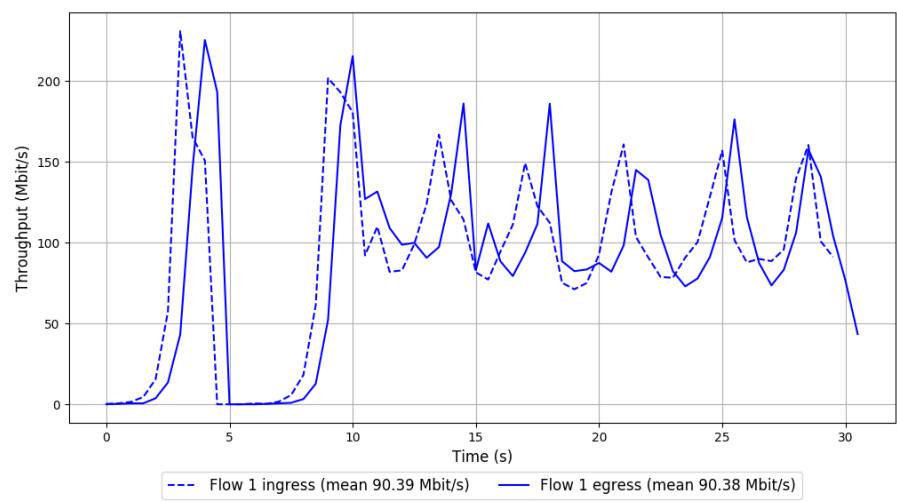


Run 4: Statistics of Copa

Start at: 2018-07-25 10:12:43
End at: 2018-07-25 10:13:13
Local clock offset: -0.013 ms
Remote clock offset: 0.093 ms

Below is generated by plot.py at 2018-07-25 13:08:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.38 Mbit/s
95th percentile per-packet one-way delay: 138.359 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.38 Mbit/s
95th percentile per-packet one-way delay: 138.359 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-25 10:35:19

End at: 2018-07-25 10:35:49

Local clock offset: -0.117 ms

Remote clock offset: 0.085 ms

Below is generated by plot.py at 2018-07-25 13:08:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.22 Mbit/s

95th percentile per-packet one-way delay: 159.476 ms

Loss rate: 0.00%

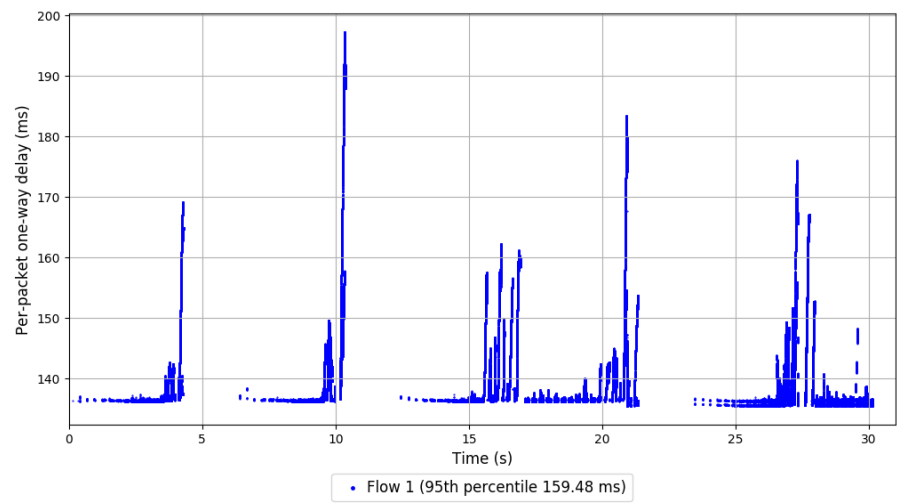
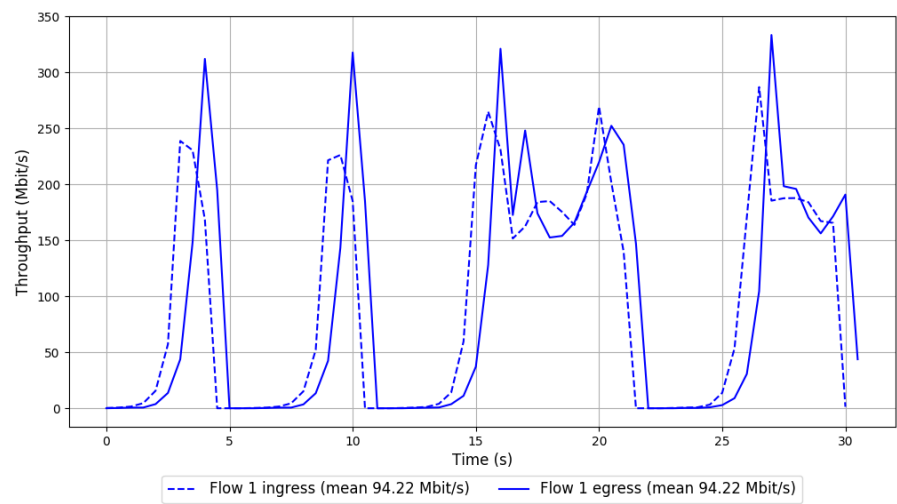
-- Flow 1:

Average throughput: 94.22 Mbit/s

95th percentile per-packet one-way delay: 159.476 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-25 10:58:26

End at: 2018-07-25 10:58:56

Local clock offset: -0.104 ms

Remote clock offset: 0.339 ms

Below is generated by plot.py at 2018-07-25 13:08:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.53 Mbit/s

95th percentile per-packet one-way delay: 144.723 ms

Loss rate: 0.00%

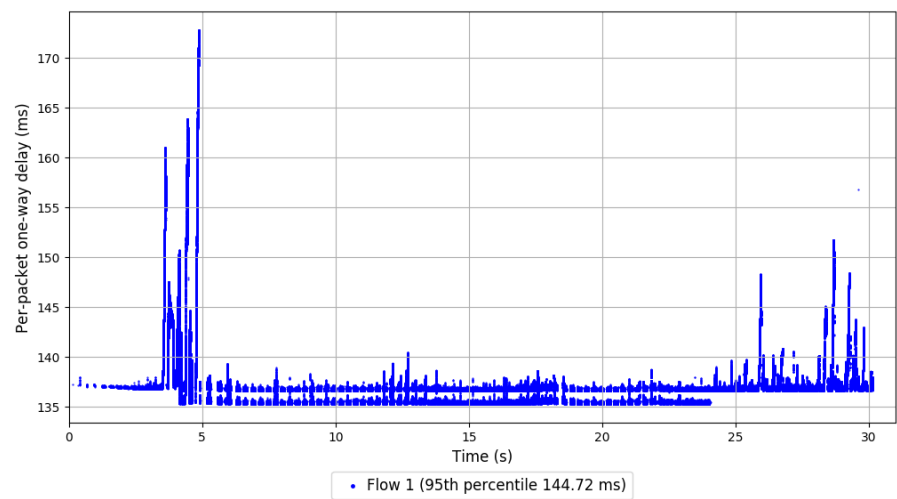
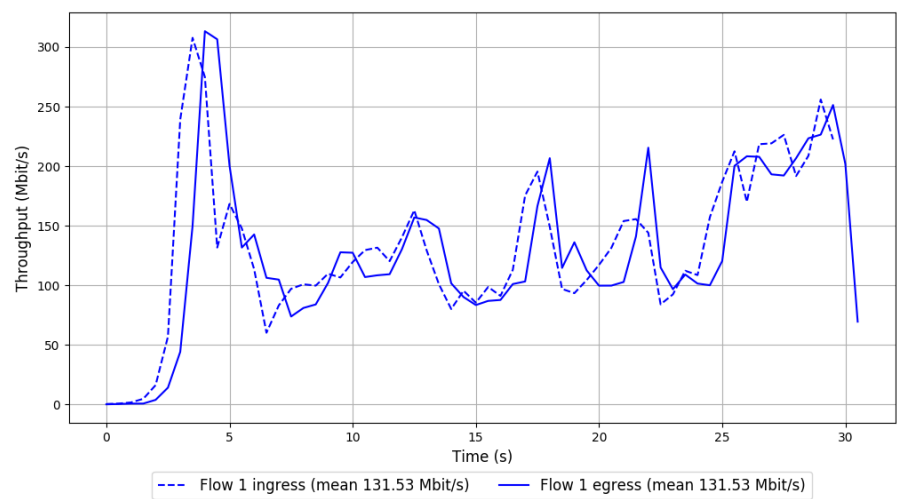
-- Flow 1:

Average throughput: 131.53 Mbit/s

95th percentile per-packet one-way delay: 144.723 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-07-25 11:21:10

End at: 2018-07-25 11:21:40

Local clock offset: -0.03 ms

Remote clock offset: 0.312 ms

Below is generated by plot.py at 2018-07-25 13:08:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 169.22 Mbit/s

95th percentile per-packet one-way delay: 152.718 ms

Loss rate: 0.00%

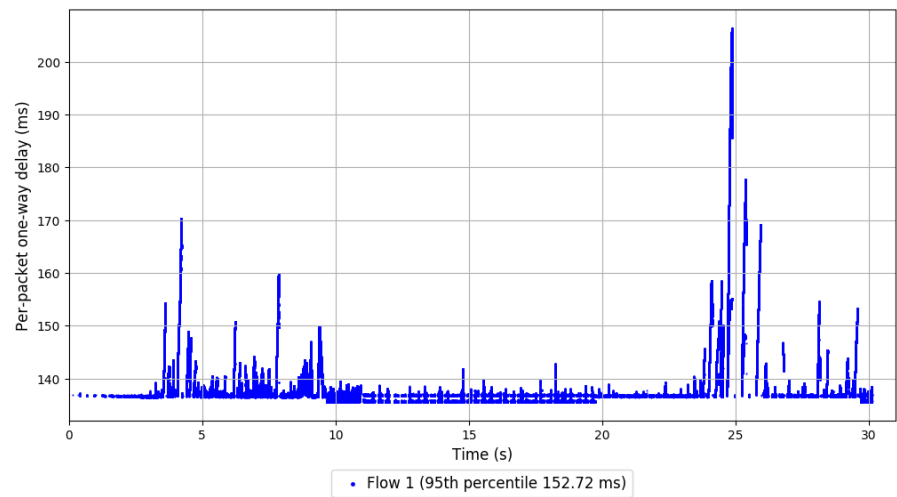
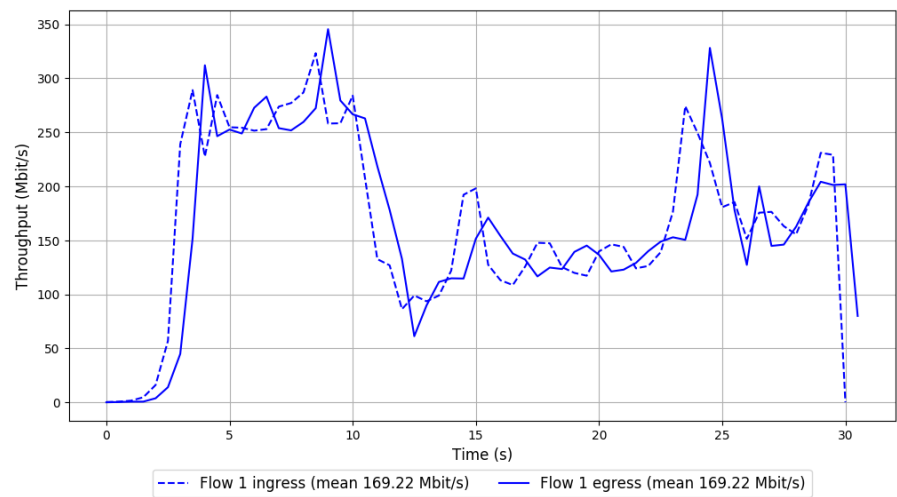
-- Flow 1:

Average throughput: 169.22 Mbit/s

95th percentile per-packet one-way delay: 152.718 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link

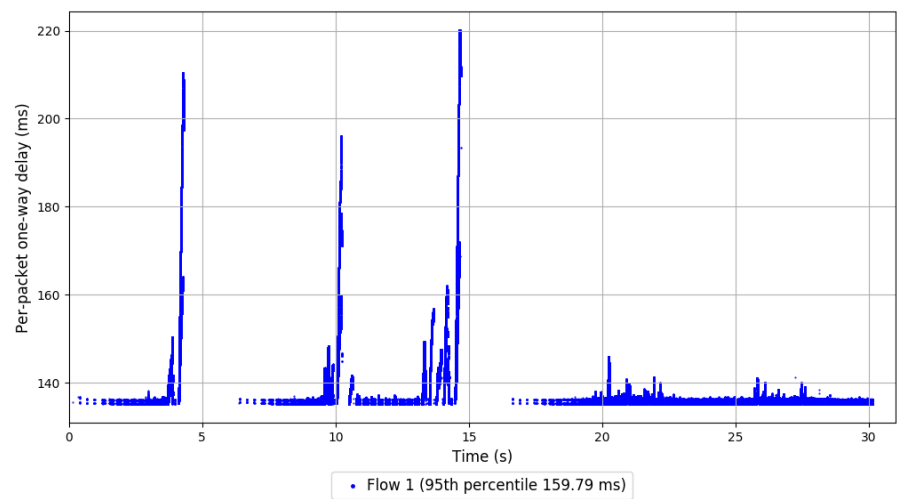
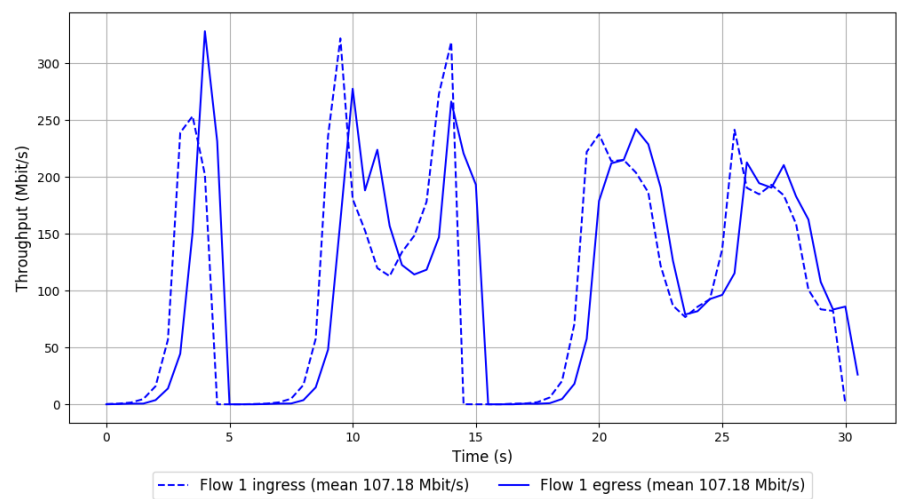


Run 8: Statistics of Copa

Start at: 2018-07-25 11:43:51
End at: 2018-07-25 11:44:21
Local clock offset: 0.028 ms
Remote clock offset: -0.343 ms

Below is generated by plot.py at 2018-07-25 13:08:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 107.18 Mbit/s
95th percentile per-packet one-way delay: 159.791 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 107.18 Mbit/s
95th percentile per-packet one-way delay: 159.791 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-25 12:06:50

End at: 2018-07-25 12:07:20

Local clock offset: 0.064 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-07-25 13:10:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 196.32 Mbit/s

95th percentile per-packet one-way delay: 146.172 ms

Loss rate: 0.00%

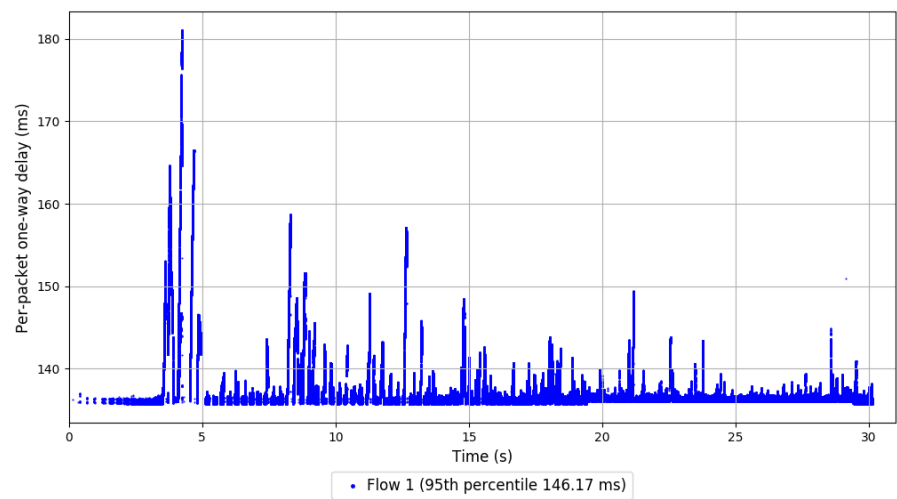
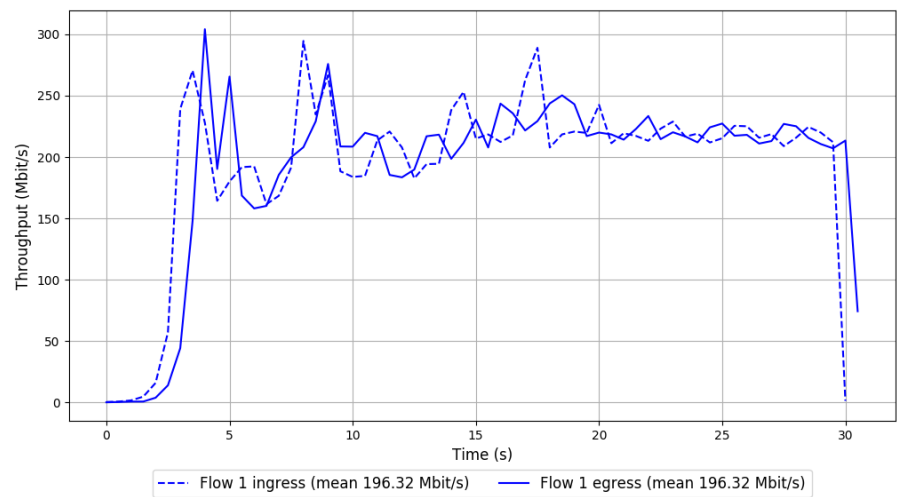
-- Flow 1:

Average throughput: 196.32 Mbit/s

95th percentile per-packet one-way delay: 146.172 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-25 12:30:05

End at: 2018-07-25 12:30:35

Local clock offset: -0.069 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-25 13:10:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.35 Mbit/s

95th percentile per-packet one-way delay: 152.733 ms

Loss rate: 0.01%

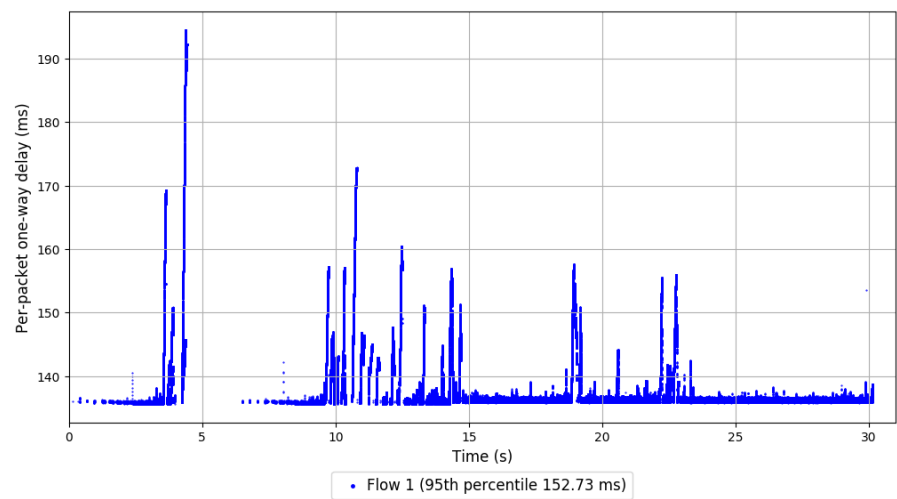
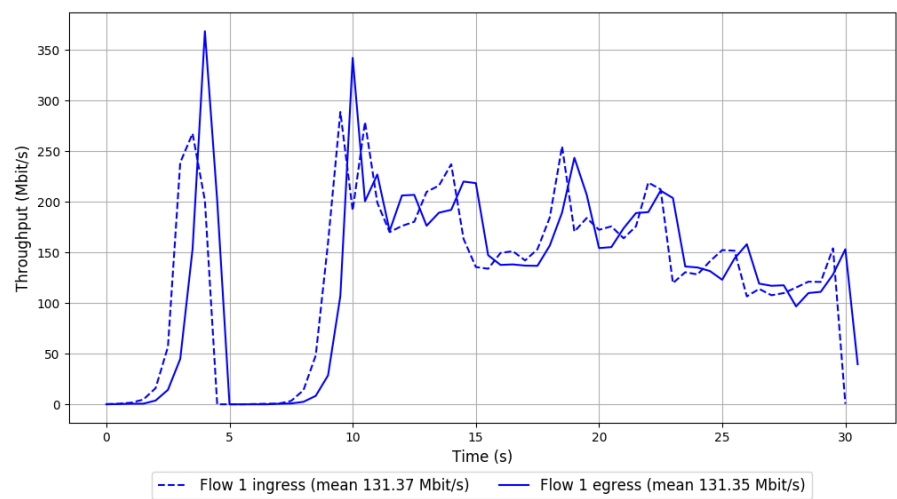
-- Flow 1:

Average throughput: 131.35 Mbit/s

95th percentile per-packet one-way delay: 152.733 ms

Loss rate: 0.01%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-25 09:11:30

End at: 2018-07-25 09:12:00

Local clock offset: -0.004 ms

Remote clock offset: 0.457 ms

Below is generated by plot.py at 2018-07-25 13:10:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.53 Mbit/s

95th percentile per-packet one-way delay: 146.090 ms

Loss rate: 0.00%

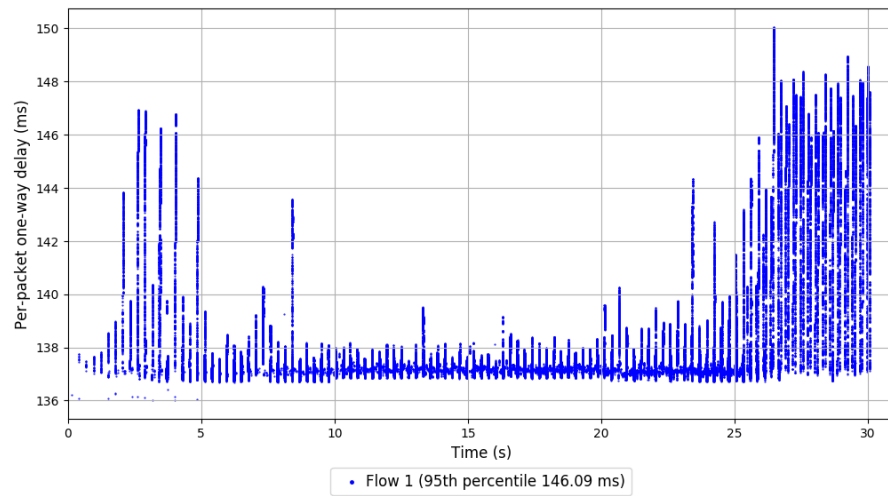
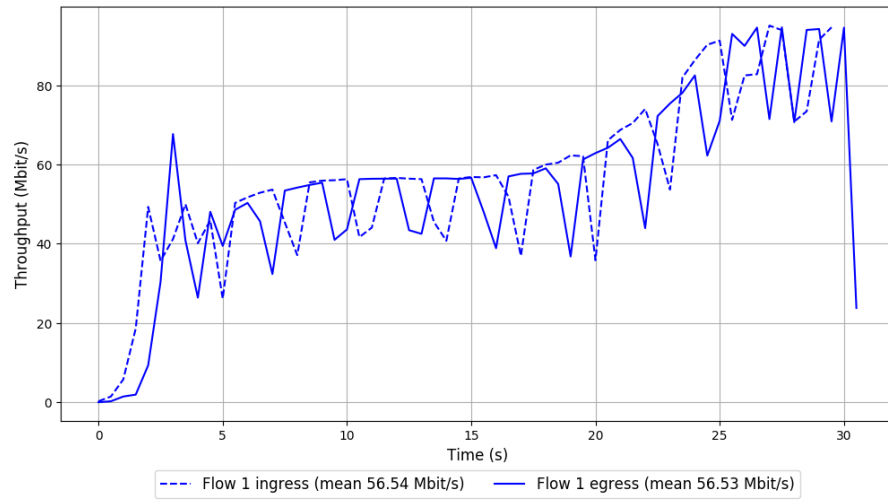
-- Flow 1:

Average throughput: 56.53 Mbit/s

95th percentile per-packet one-way delay: 146.090 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-25 09:34:25

End at: 2018-07-25 09:34:55

Local clock offset: -0.352 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-07-25 13:10:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.03 Mbit/s

95th percentile per-packet one-way delay: 147.213 ms

Loss rate: 0.00%

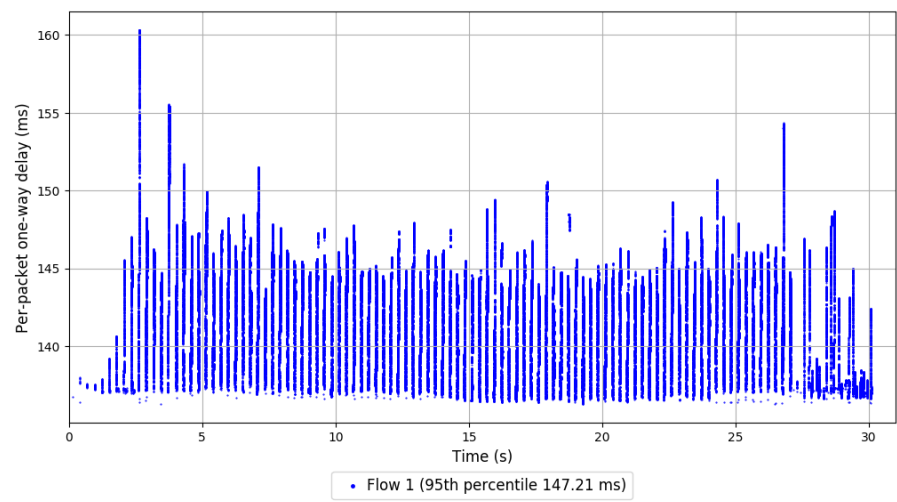
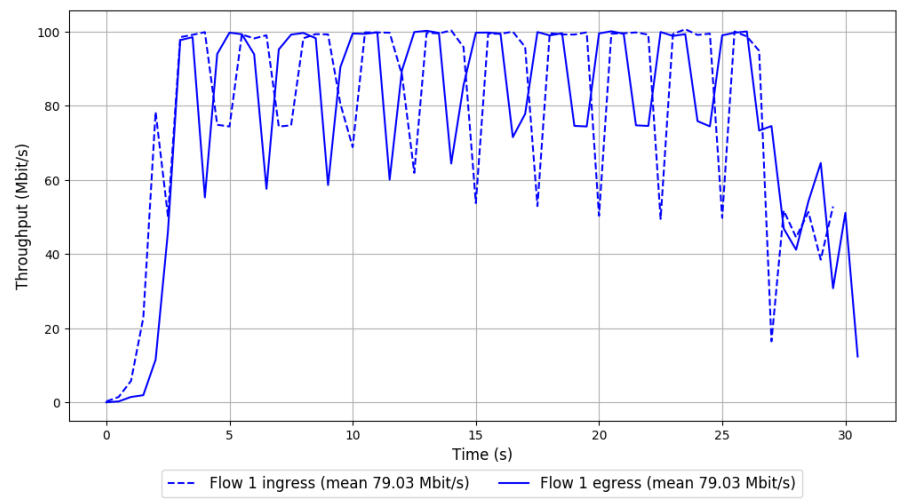
-- Flow 1:

Average throughput: 79.03 Mbit/s

95th percentile per-packet one-way delay: 147.213 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-25 09:57:26

End at: 2018-07-25 09:57:56

Local clock offset: 0.132 ms

Remote clock offset: 0.102 ms

Below is generated by plot.py at 2018-07-25 13:10:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.16 Mbit/s

95th percentile per-packet one-way delay: 145.229 ms

Loss rate: 0.00%

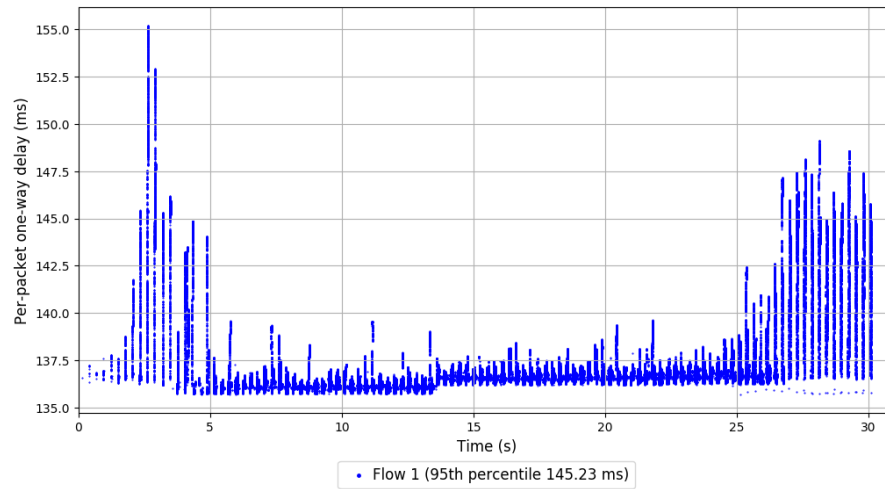
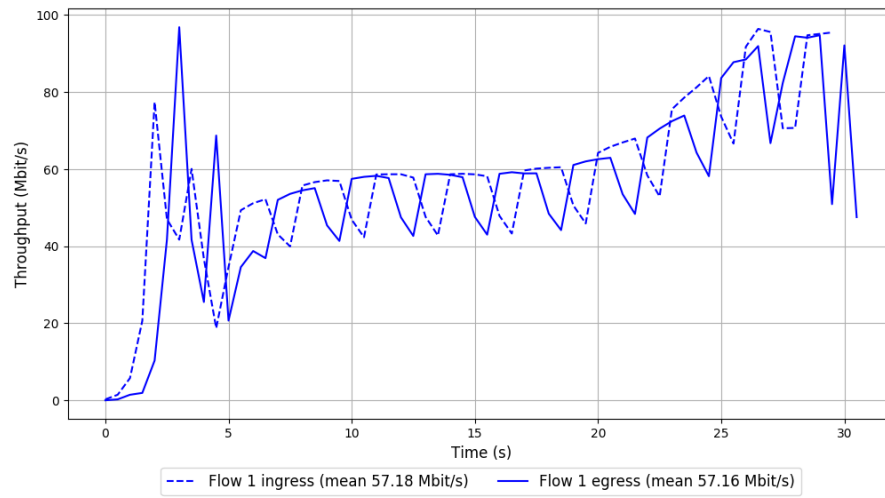
-- Flow 1:

Average throughput: 57.16 Mbit/s

95th percentile per-packet one-way delay: 145.229 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-25 10:19:53

End at: 2018-07-25 10:20:23

Local clock offset: -0.002 ms

Remote clock offset: 0.408 ms

Below is generated by plot.py at 2018-07-25 13:10:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.10 Mbit/s

95th percentile per-packet one-way delay: 143.091 ms

Loss rate: 0.00%

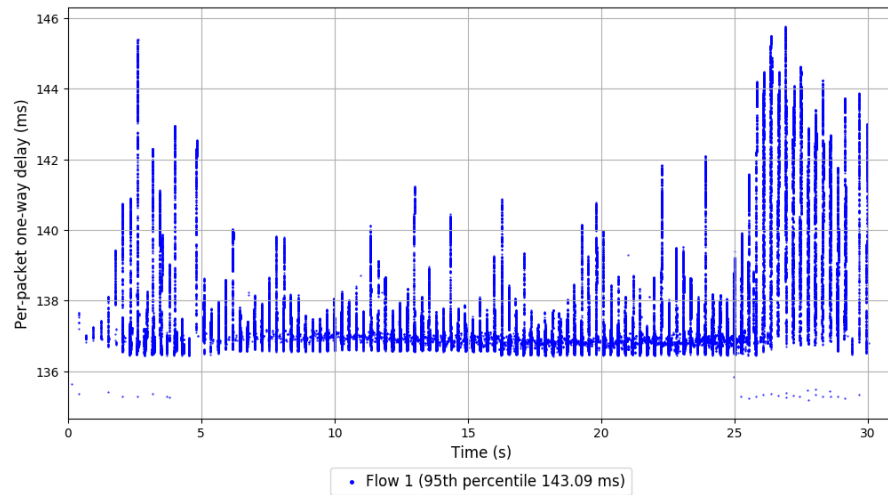
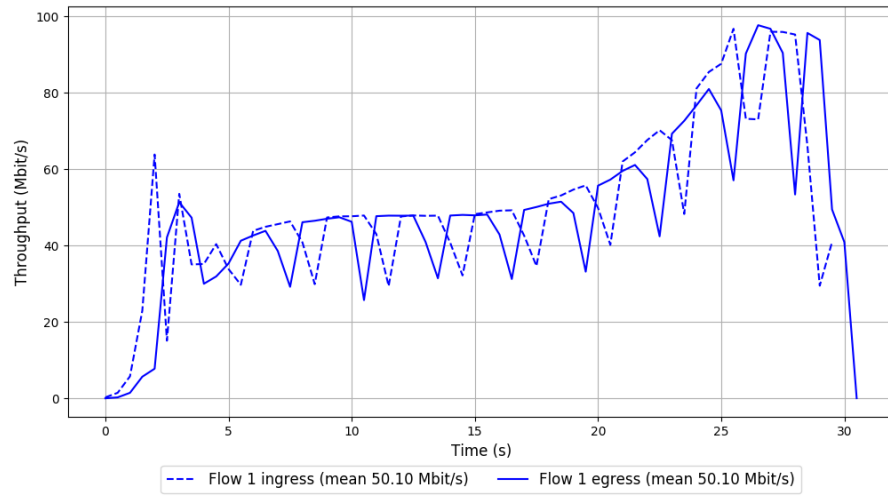
-- Flow 1:

Average throughput: 50.10 Mbit/s

95th percentile per-packet one-way delay: 143.091 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-25 10:42:48

End at: 2018-07-25 10:43:18

Local clock offset: -0.076 ms

Remote clock offset: 0.371 ms

Below is generated by plot.py at 2018-07-25 13:10:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.03 Mbit/s

95th percentile per-packet one-way delay: 145.672 ms

Loss rate: 0.00%

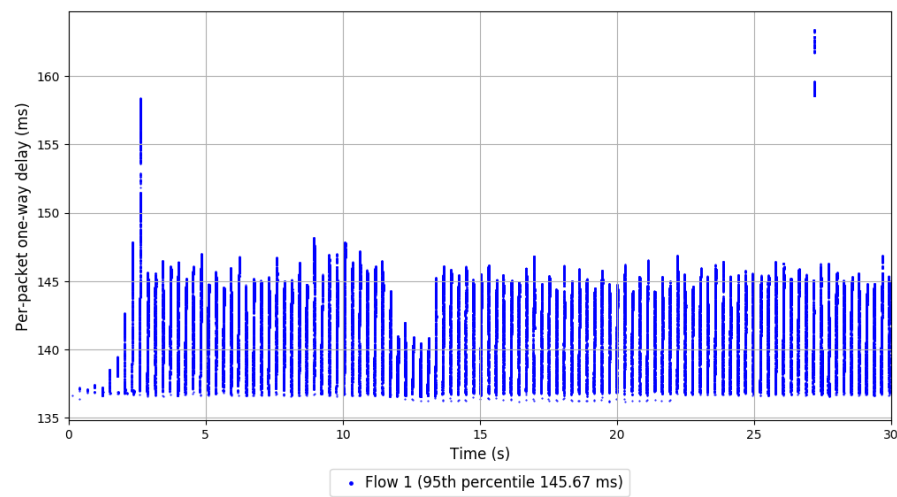
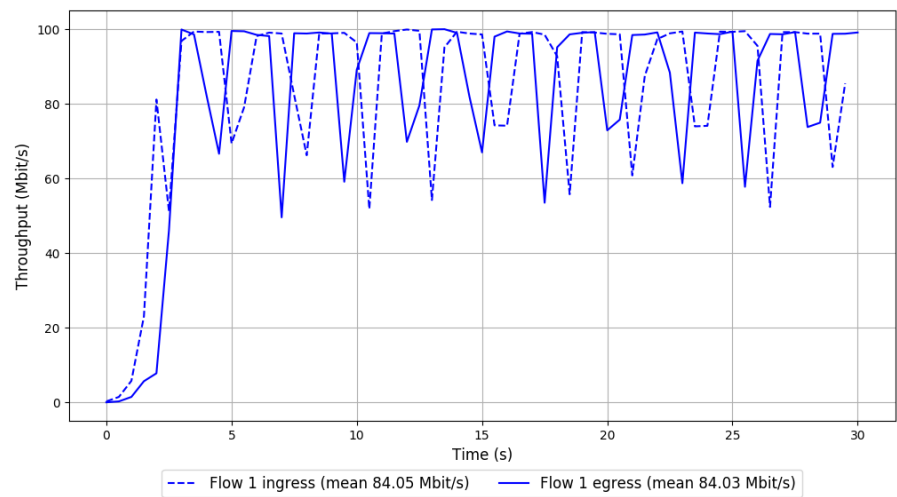
-- Flow 1:

Average throughput: 84.03 Mbit/s

95th percentile per-packet one-way delay: 145.672 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link

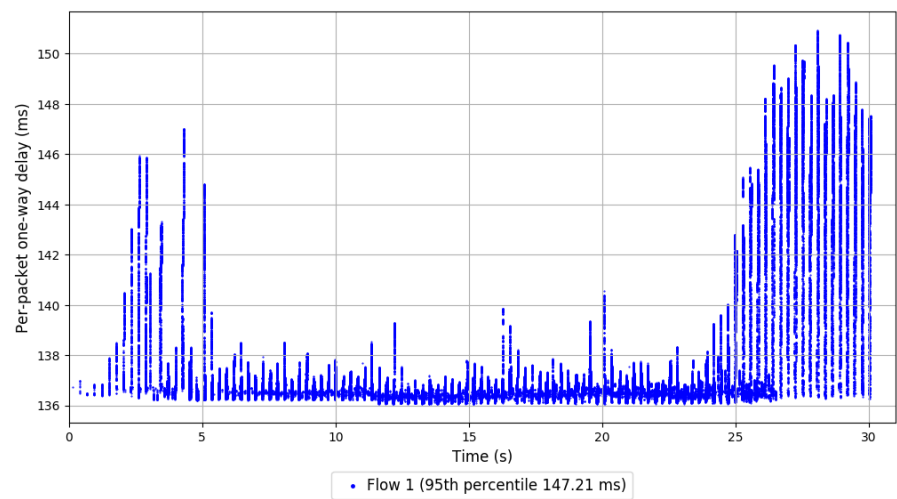
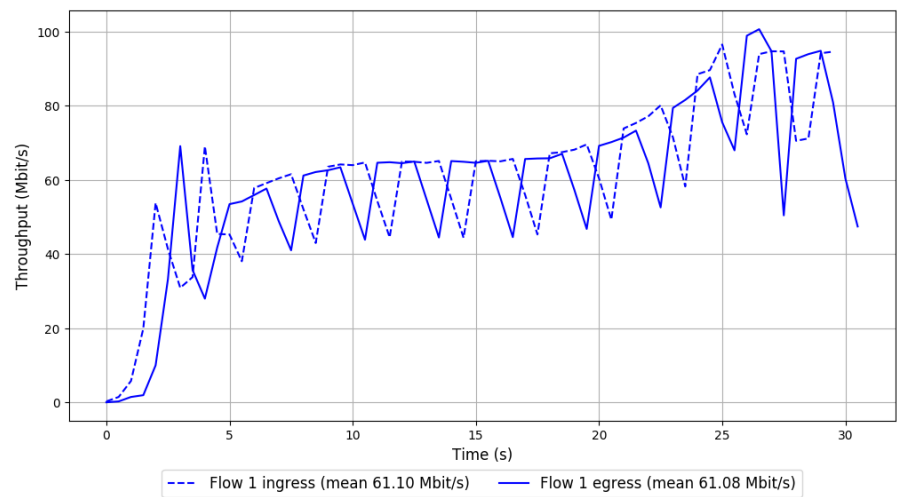


Run 6: Statistics of TCP Cubic

Start at: 2018-07-25 11:05:58
End at: 2018-07-25 11:06:28
Local clock offset: 0.069 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-25 13:10:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.08 Mbit/s
95th percentile per-packet one-way delay: 147.210 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.08 Mbit/s
95th percentile per-packet one-way delay: 147.210 ms
Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

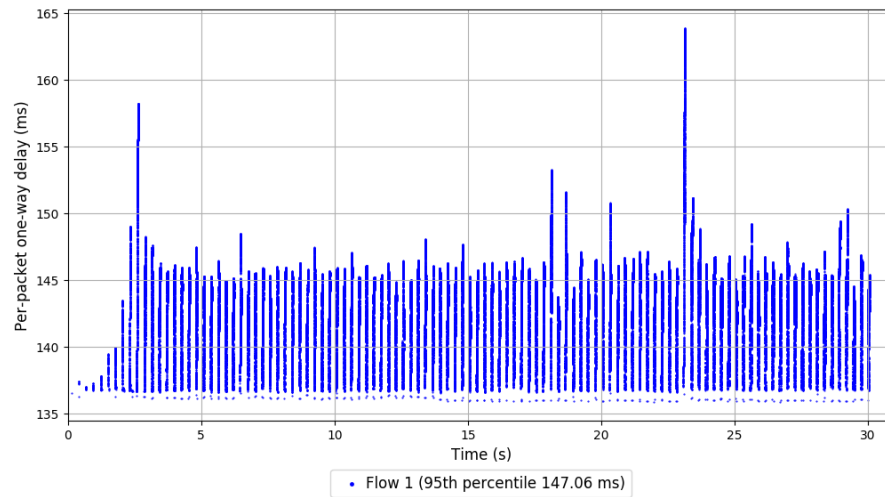
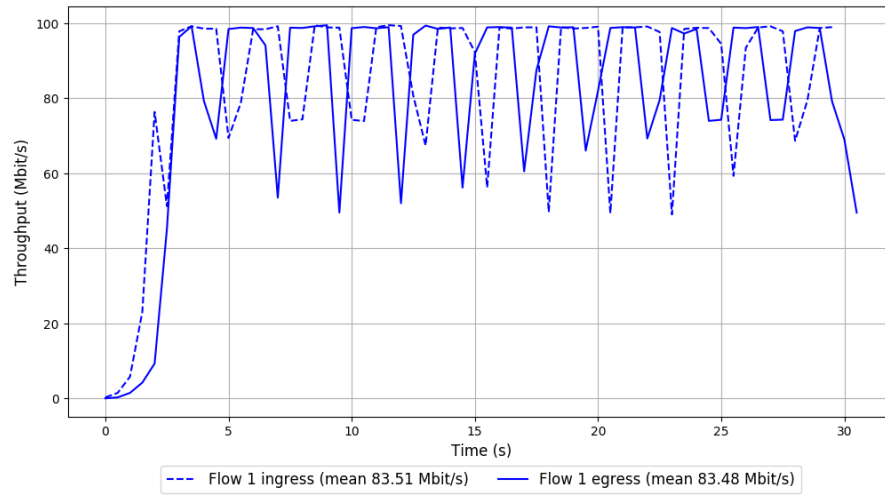


Run 7: Statistics of TCP Cubic

Start at: 2018-07-25 11:28:26
End at: 2018-07-25 11:28:56
Local clock offset: -0.278 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-25 13:10:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.48 Mbit/s
95th percentile per-packet one-way delay: 147.056 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.48 Mbit/s
95th percentile per-packet one-way delay: 147.056 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-25 11:51:24

End at: 2018-07-25 11:51:54

Local clock offset: 0.535 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-07-25 13:10:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.37 Mbit/s

95th percentile per-packet one-way delay: 145.546 ms

Loss rate: 0.00%

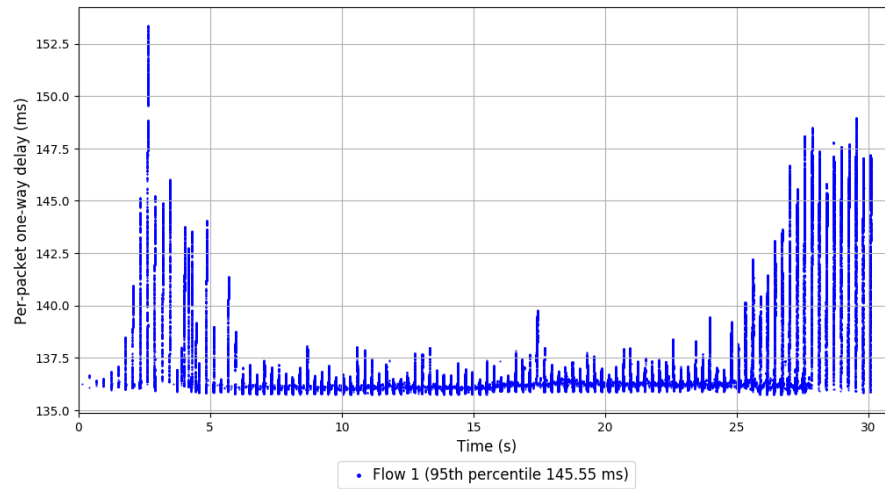
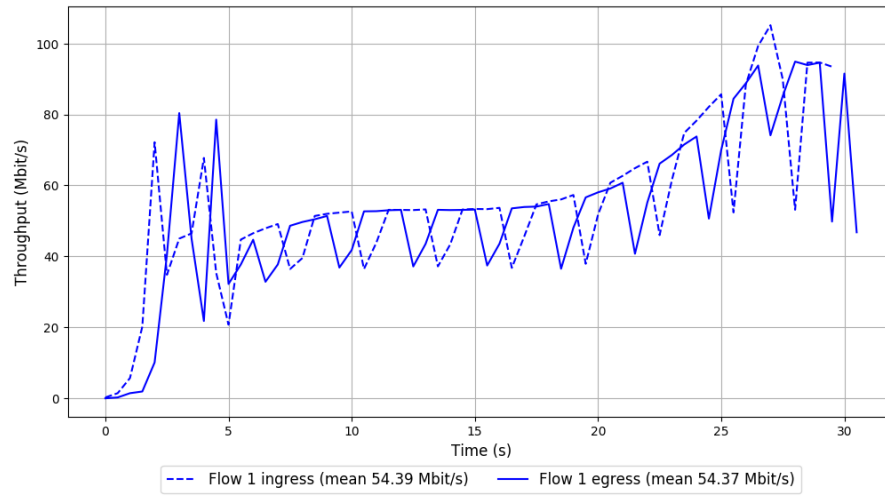
-- Flow 1:

Average throughput: 54.37 Mbit/s

95th percentile per-packet one-way delay: 145.546 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-25 12:14:25

End at: 2018-07-25 12:14:55

Local clock offset: 0.098 ms

Remote clock offset: 0.344 ms

Below is generated by plot.py at 2018-07-25 13:10:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.77 Mbit/s

95th percentile per-packet one-way delay: 146.692 ms

Loss rate: 0.00%

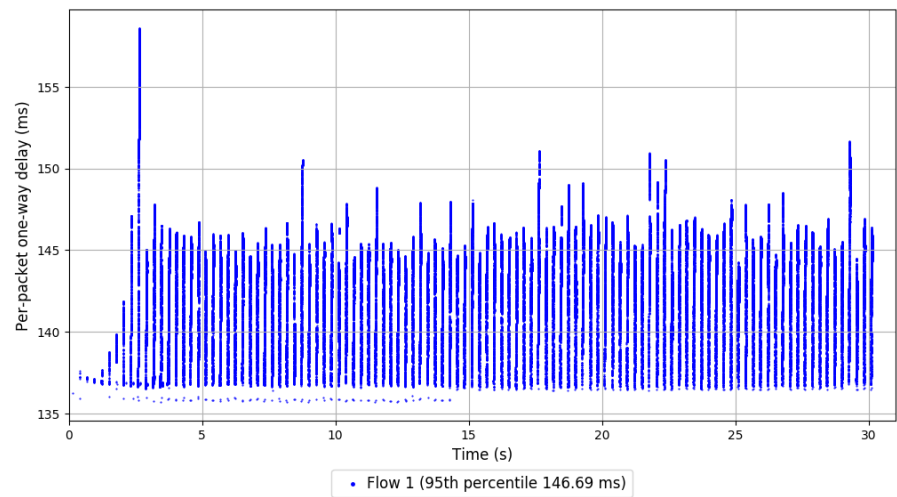
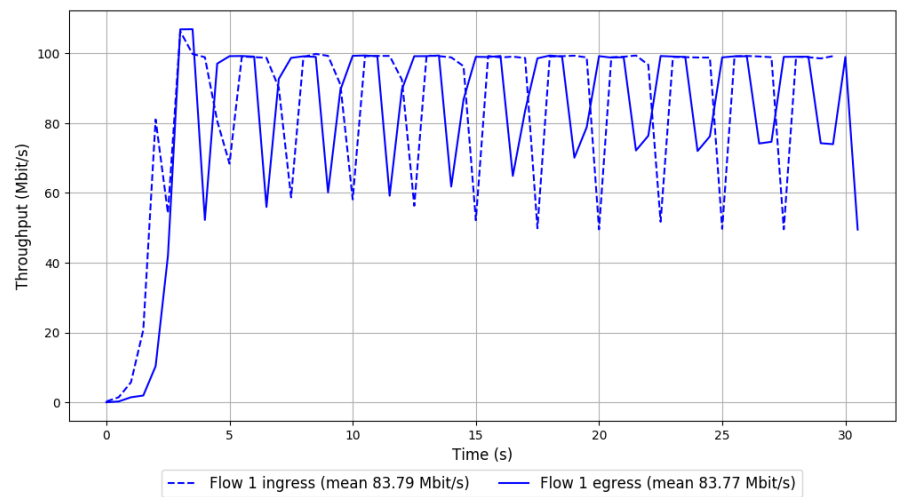
-- Flow 1:

Average throughput: 83.77 Mbit/s

95th percentile per-packet one-way delay: 146.692 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-25 12:37:17

End at: 2018-07-25 12:37:47

Local clock offset: 0.12 ms

Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-25 13:10:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.76 Mbit/s

95th percentile per-packet one-way delay: 145.749 ms

Loss rate: 0.00%

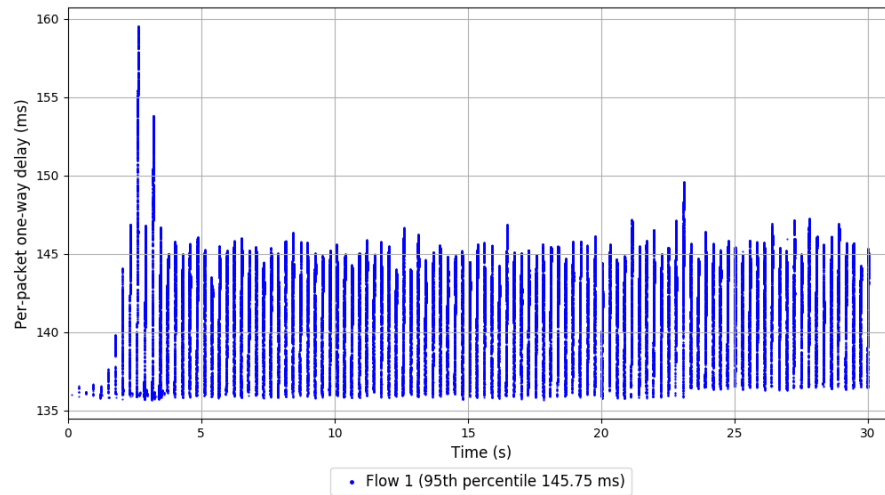
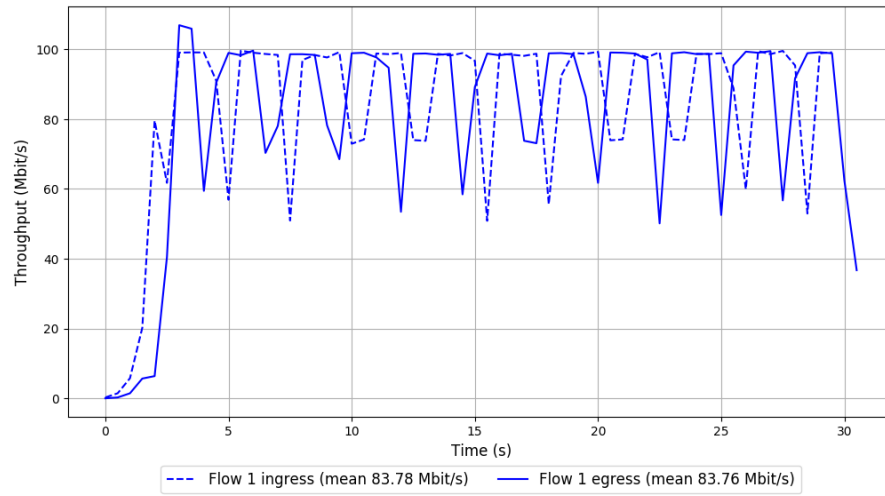
-- Flow 1:

Average throughput: 83.76 Mbit/s

95th percentile per-packet one-way delay: 145.749 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-25 09:09:46

End at: 2018-07-25 09:10:16

Local clock offset: 0.046 ms

Remote clock offset: 0.442 ms

Below is generated by plot.py at 2018-07-25 13:28:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 754.00 Mbit/s

95th percentile per-packet one-way delay: 318.061 ms

Loss rate: 5.12%

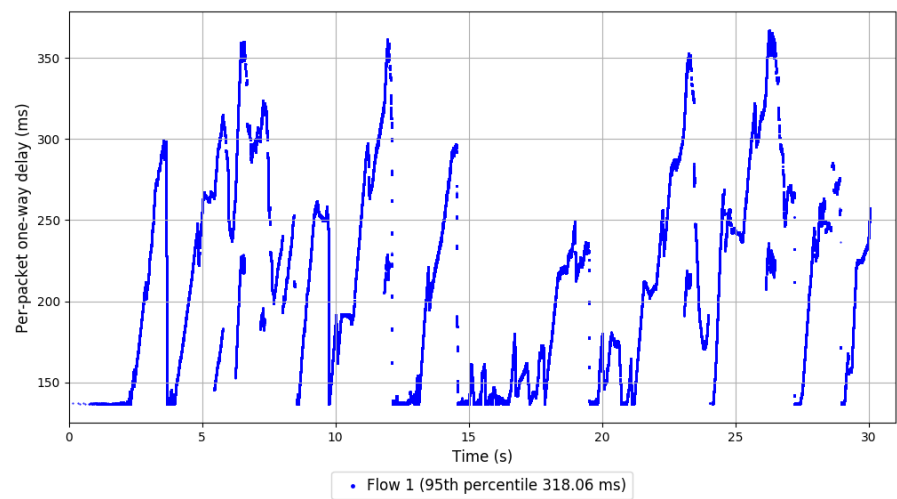
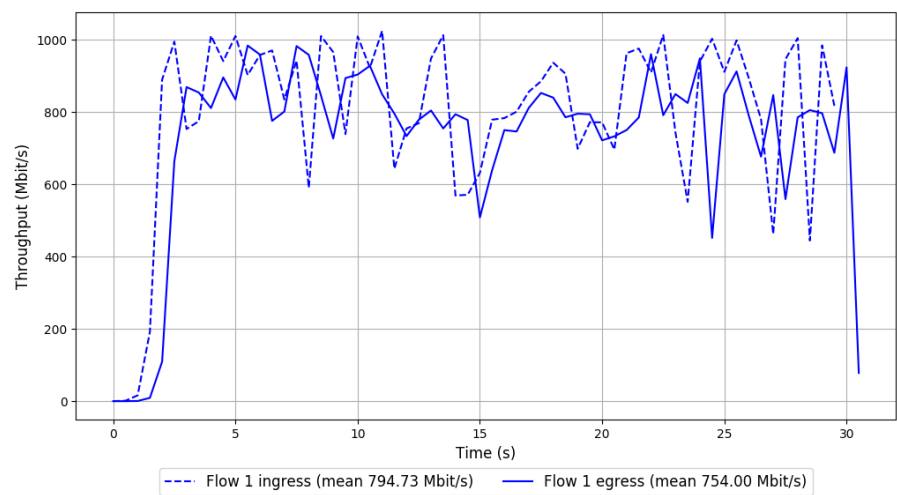
-- Flow 1:

Average throughput: 754.00 Mbit/s

95th percentile per-packet one-way delay: 318.061 ms

Loss rate: 5.12%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-25 09:32:44

End at: 2018-07-25 09:33:14

Local clock offset: -0.069 ms

Remote clock offset: 0.448 ms

Below is generated by plot.py at 2018-07-25 13:28:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 709.01 Mbit/s

95th percentile per-packet one-way delay: 303.349 ms

Loss rate: 6.16%

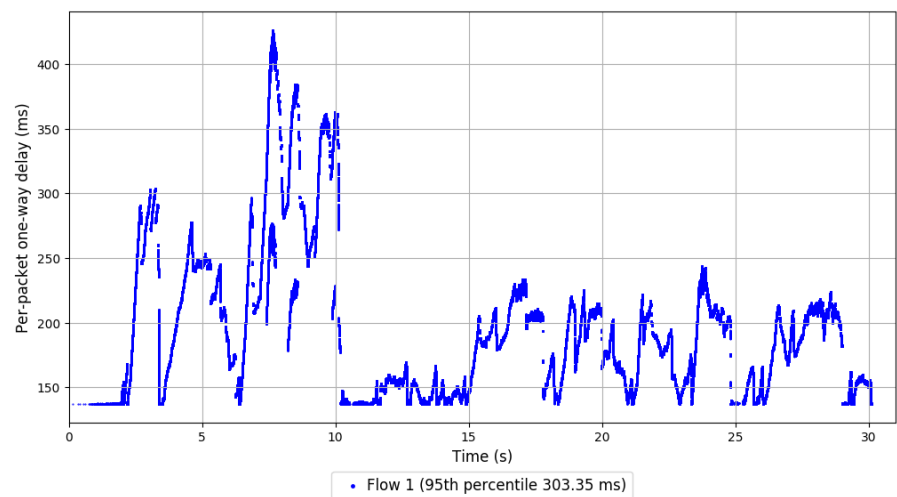
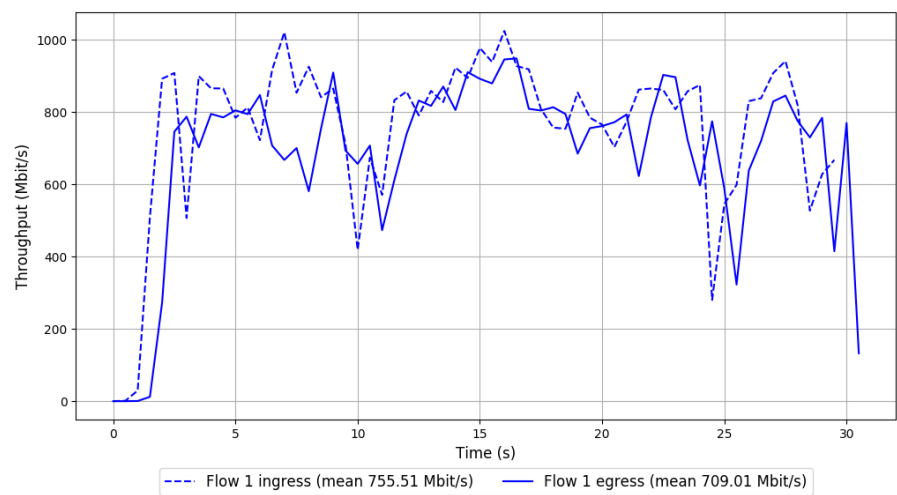
-- Flow 1:

Average throughput: 709.01 Mbit/s

95th percentile per-packet one-way delay: 303.349 ms

Loss rate: 6.16%

Run 2: Report of FillP — Data Link

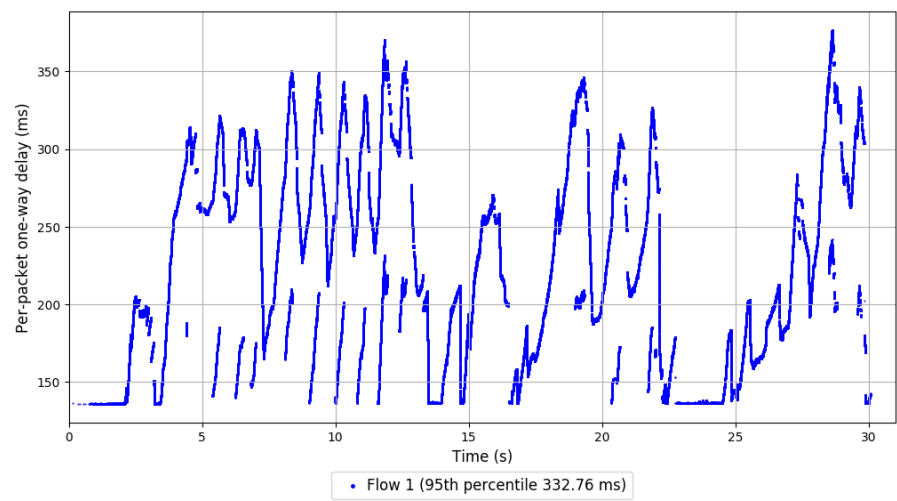
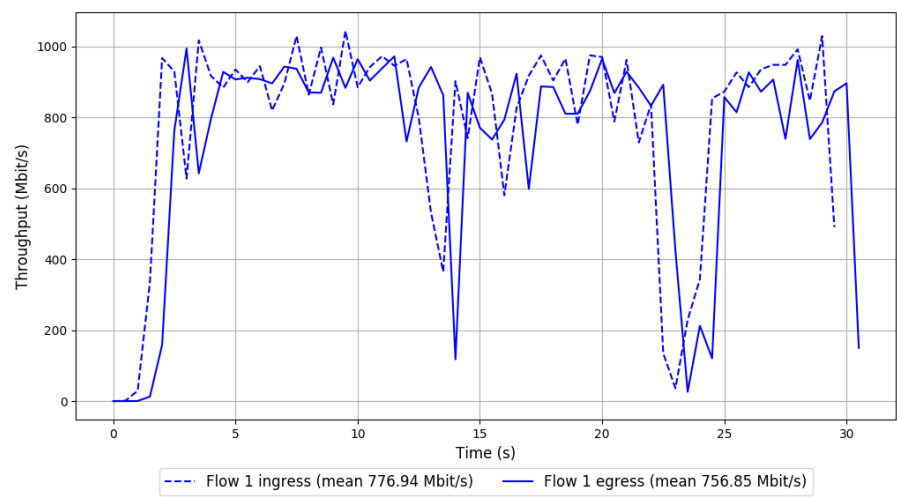


Run 3: Statistics of FillP

Start at: 2018-07-25 09:55:42
End at: 2018-07-25 09:56:12
Local clock offset: 0.0 ms
Remote clock offset: -0.241 ms

Below is generated by plot.py at 2018-07-25 13:28:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 756.85 Mbit/s
95th percentile per-packet one-way delay: 332.759 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 756.85 Mbit/s
95th percentile per-packet one-way delay: 332.759 ms
Loss rate: 2.57%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-25 10:18:09

End at: 2018-07-25 10:18:39

Local clock offset: -0.21 ms

Remote clock offset: 0.103 ms

Below is generated by plot.py at 2018-07-25 13:28:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 758.52 Mbit/s

95th percentile per-packet one-way delay: 217.615 ms

Loss rate: 1.76%

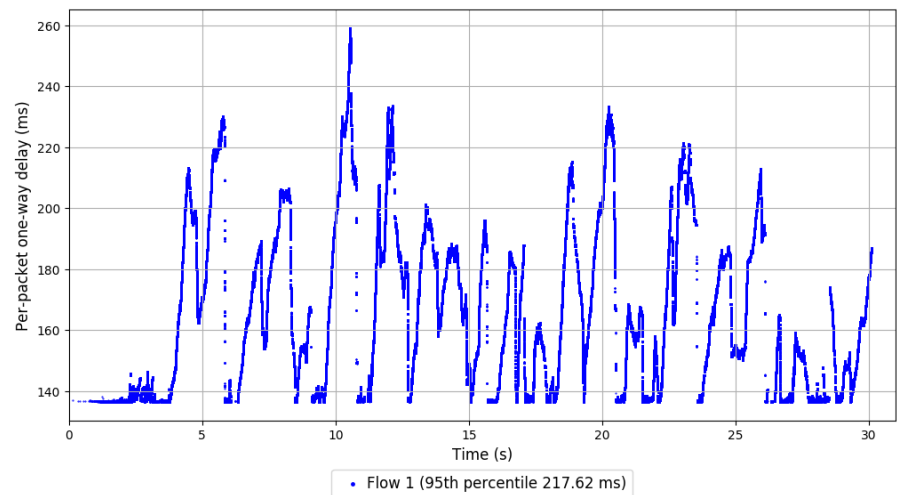
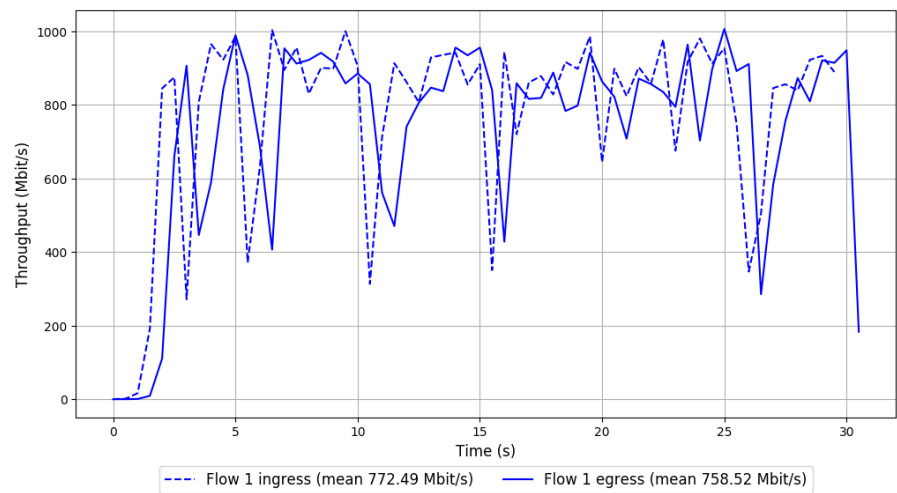
-- Flow 1:

Average throughput: 758.52 Mbit/s

95th percentile per-packet one-way delay: 217.615 ms

Loss rate: 1.76%

Run 4: Report of FillP — Data Link

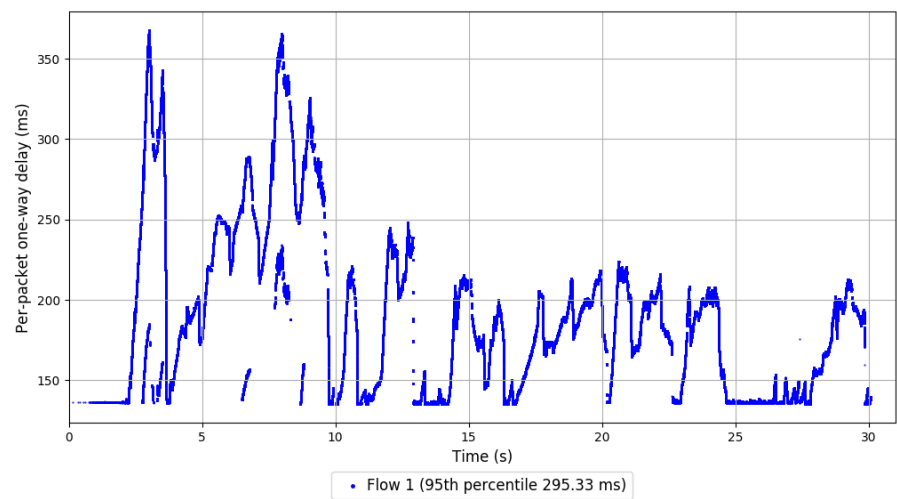
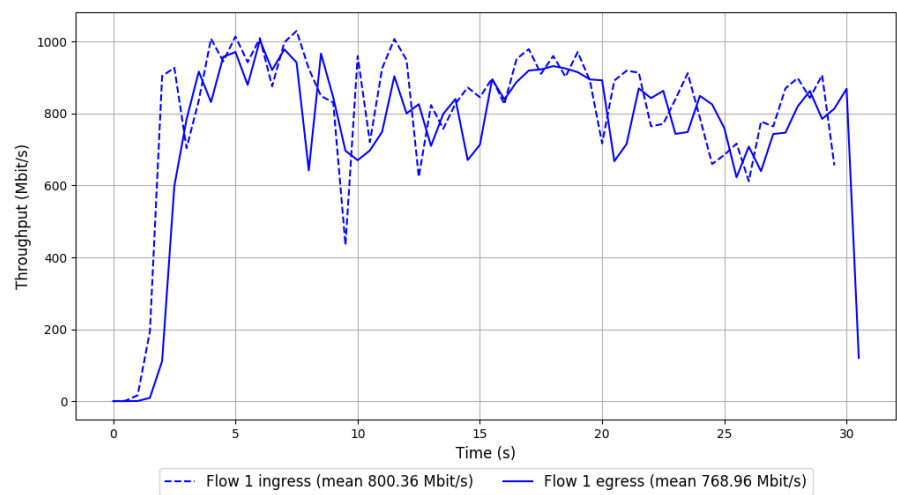


Run 5: Statistics of FillP

Start at: 2018-07-25 10:41:02
End at: 2018-07-25 10:41:32
Local clock offset: -0.133 ms
Remote clock offset: -0.327 ms

Below is generated by plot.py at 2018-07-25 13:29:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 768.96 Mbit/s
95th percentile per-packet one-way delay: 295.333 ms
Loss rate: 3.92%
-- Flow 1:
Average throughput: 768.96 Mbit/s
95th percentile per-packet one-way delay: 295.333 ms
Loss rate: 3.92%

Run 5: Report of FillP — Data Link

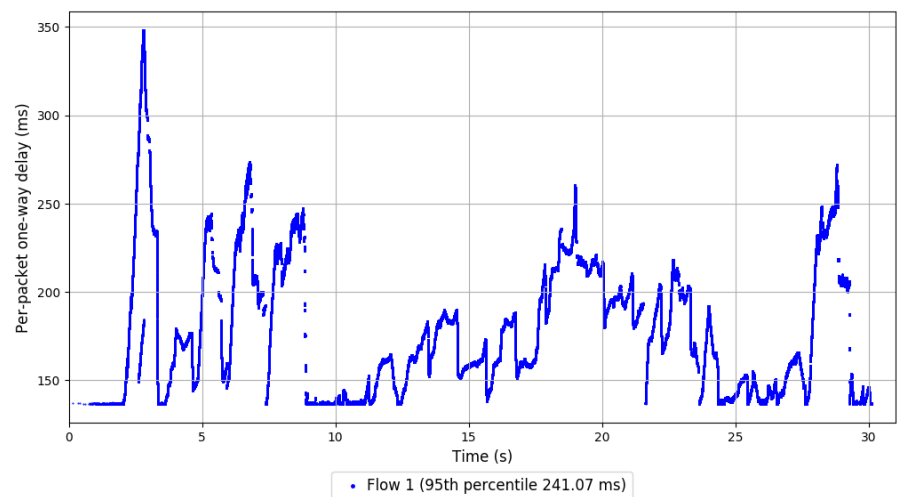
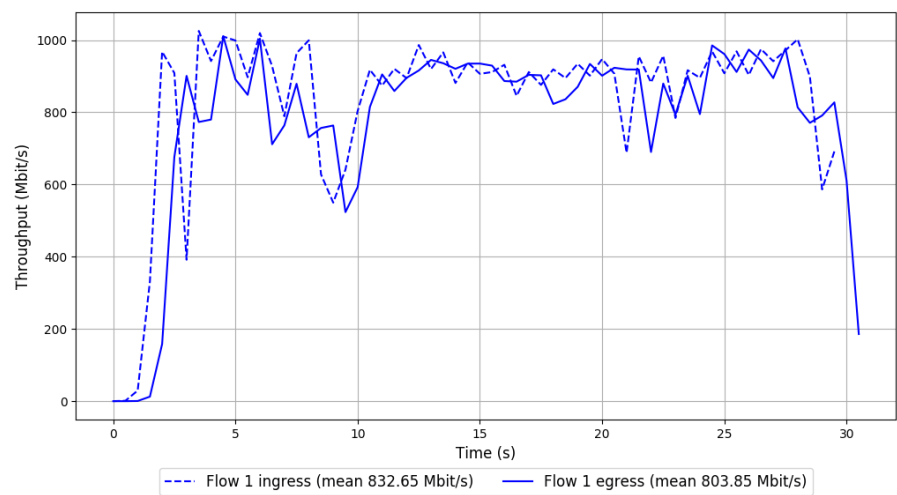


Run 6: Statistics of FillP

Start at: 2018-07-25 11:04:12
End at: 2018-07-25 11:04:42
Local clock offset: -0.27 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-25 13:30:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 803.85 Mbit/s
95th percentile per-packet one-way delay: 241.071 ms
Loss rate: 3.46%
-- Flow 1:
Average throughput: 803.85 Mbit/s
95th percentile per-packet one-way delay: 241.071 ms
Loss rate: 3.46%

Run 6: Report of FillP — Data Link

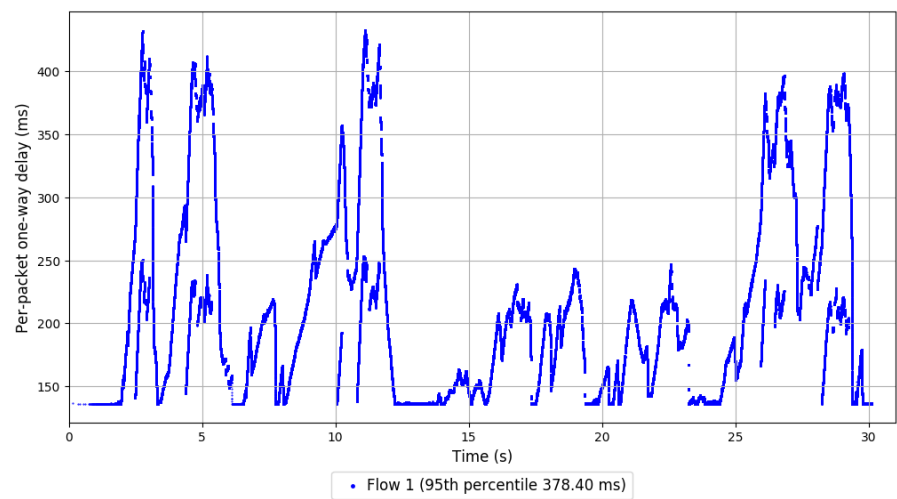
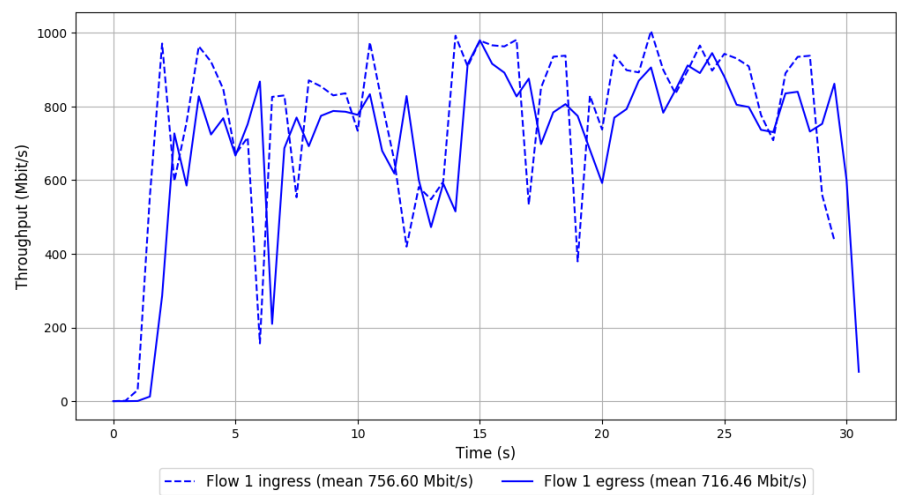


Run 7: Statistics of FillP

Start at: 2018-07-25 11:26:43
End at: 2018-07-25 11:27:13
Local clock offset: 0.227 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-25 13:30:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 716.46 Mbit/s
95th percentile per-packet one-way delay: 378.396 ms
Loss rate: 5.31%
-- Flow 1:
Average throughput: 716.46 Mbit/s
95th percentile per-packet one-way delay: 378.396 ms
Loss rate: 5.31%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-25 11:49:37

End at: 2018-07-25 11:50:07

Local clock offset: 0.131 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-25 13:31:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 783.75 Mbit/s

95th percentile per-packet one-way delay: 332.897 ms

Loss rate: 1.40%

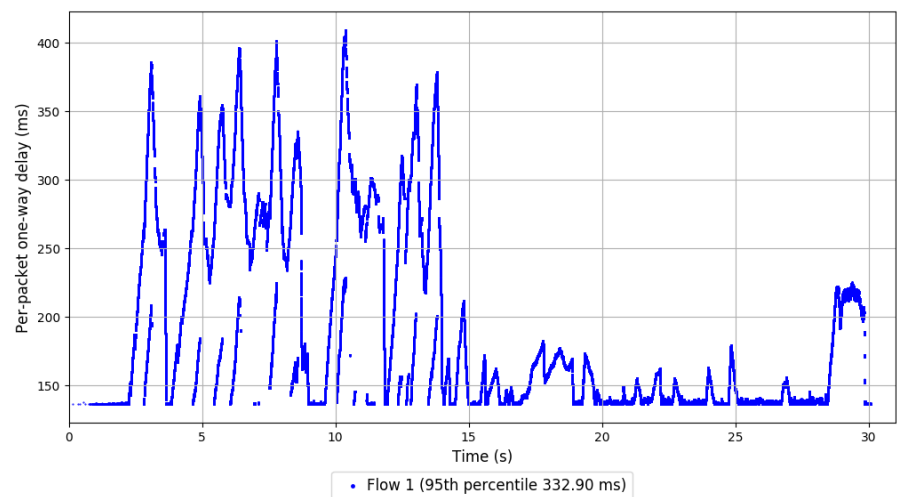
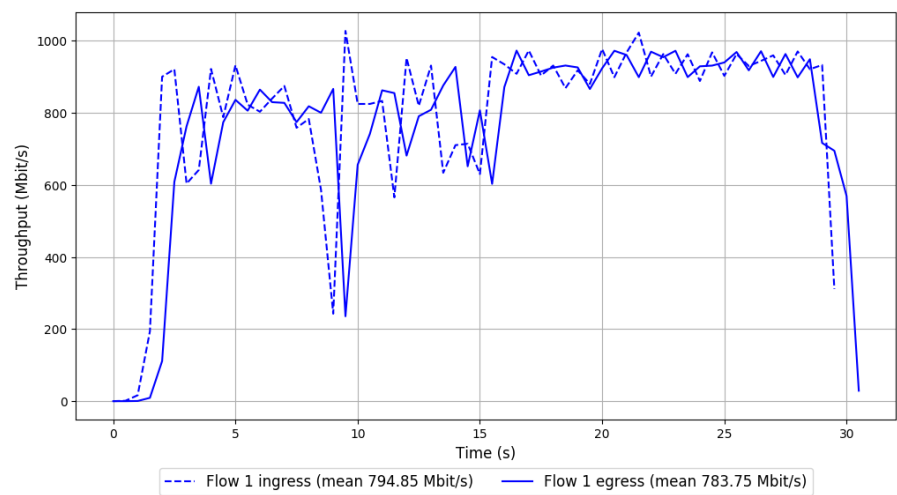
-- Flow 1:

Average throughput: 783.75 Mbit/s

95th percentile per-packet one-way delay: 332.897 ms

Loss rate: 1.40%

Run 8: Report of FillP — Data Link

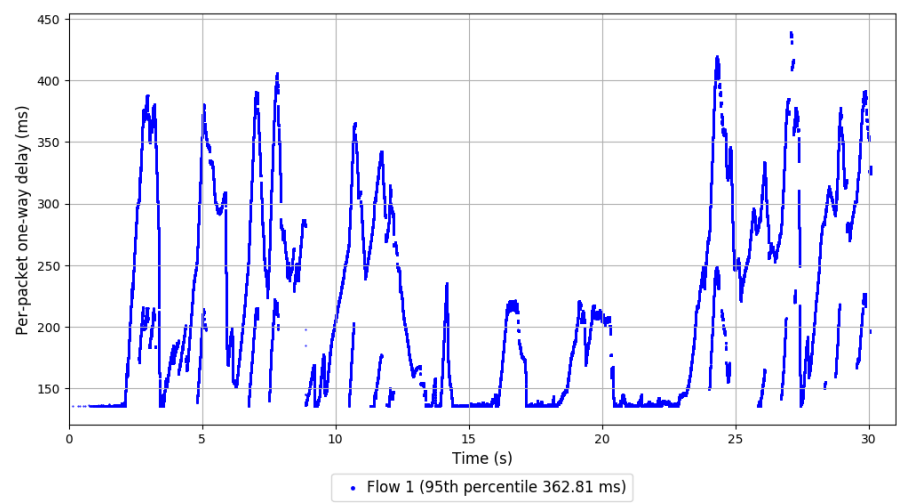
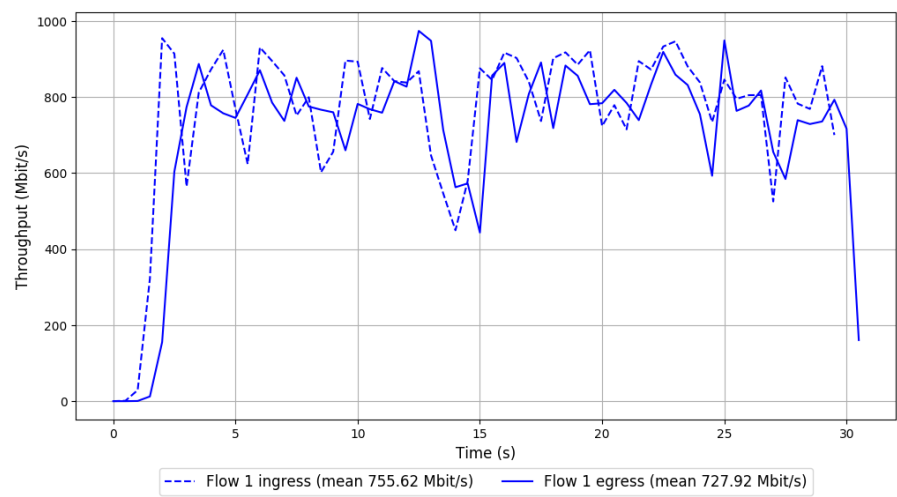


Run 9: Statistics of FillP

Start at: 2018-07-25 12:12:42
End at: 2018-07-25 12:13:12
Local clock offset: 0.2 ms
Remote clock offset: -0.327 ms

Below is generated by plot.py at 2018-07-25 13:46:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 727.92 Mbit/s
95th percentile per-packet one-way delay: 362.815 ms
Loss rate: 3.67%
-- Flow 1:
Average throughput: 727.92 Mbit/s
95th percentile per-packet one-way delay: 362.815 ms
Loss rate: 3.67%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-25 12:35:57

End at: 2018-07-25 12:36:27

Local clock offset: -0.047 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-07-25 13:46:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 230.18 Mbit/s

95th percentile per-packet one-way delay: 317.082 ms

Loss rate: 0.38%

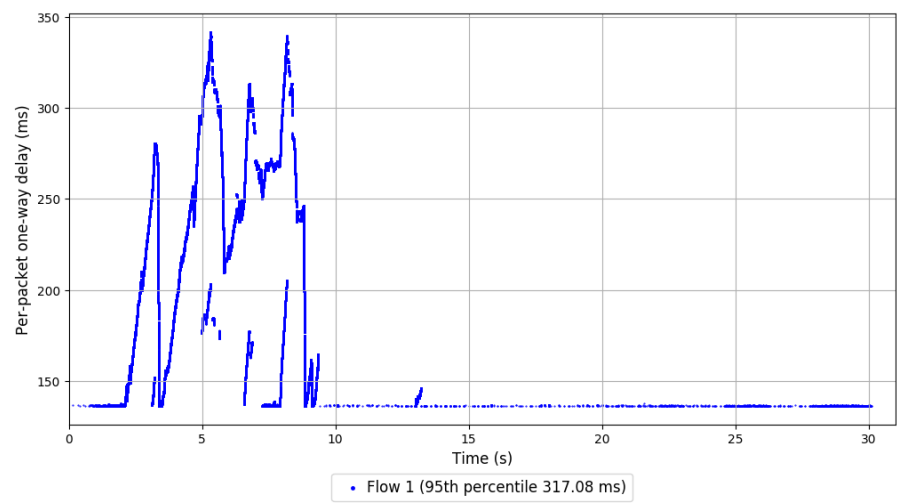
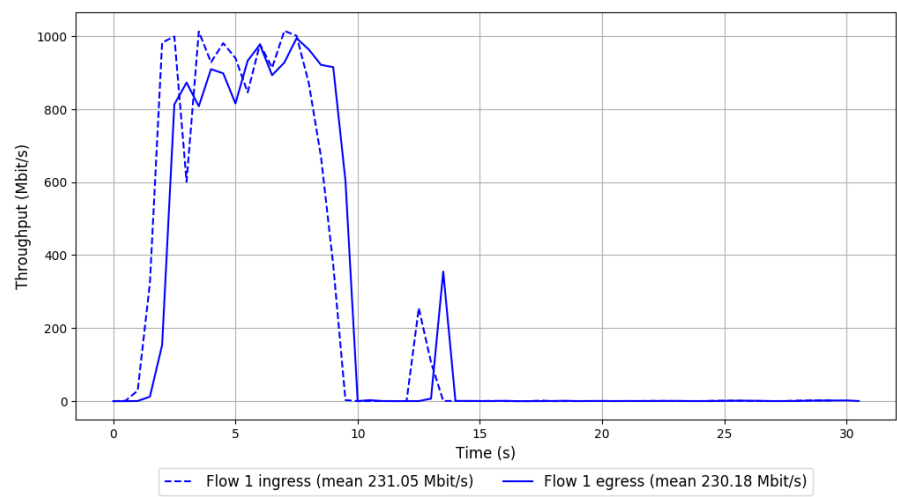
-- Flow 1:

Average throughput: 230.18 Mbit/s

95th percentile per-packet one-way delay: 317.082 ms

Loss rate: 0.38%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-25 09:06:50

End at: 2018-07-25 09:07:20

Local clock offset: 0.043 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-07-25 13:48:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 765.64 Mbit/s

95th percentile per-packet one-way delay: 224.777 ms

Loss rate: 1.60%

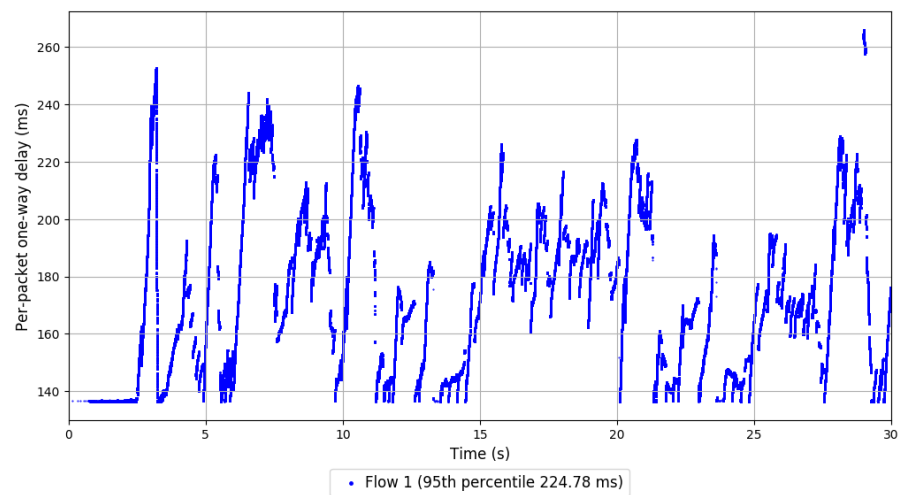
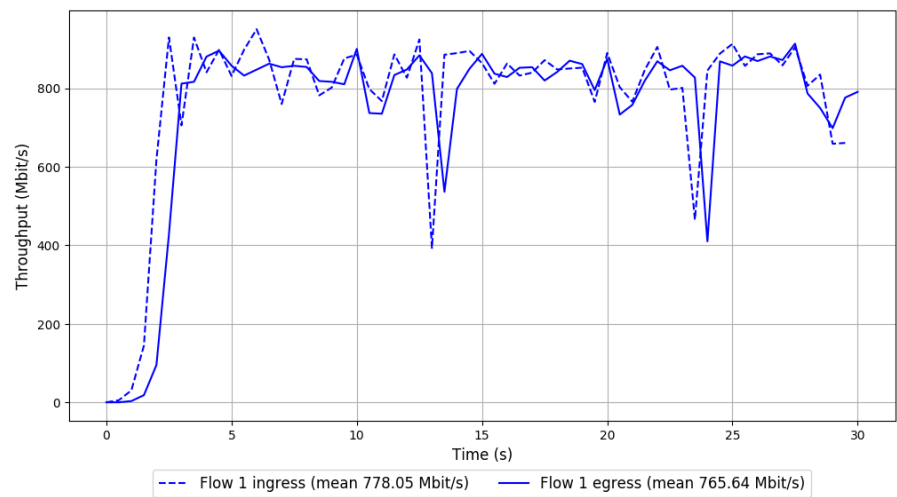
-- Flow 1:

Average throughput: 765.64 Mbit/s

95th percentile per-packet one-way delay: 224.777 ms

Loss rate: 1.60%

Run 1: Report of FillP-Sheep — Data Link

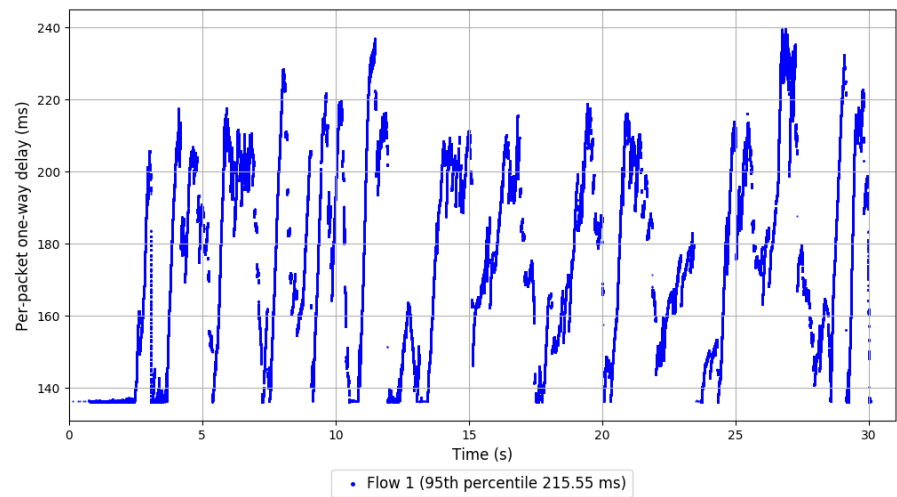
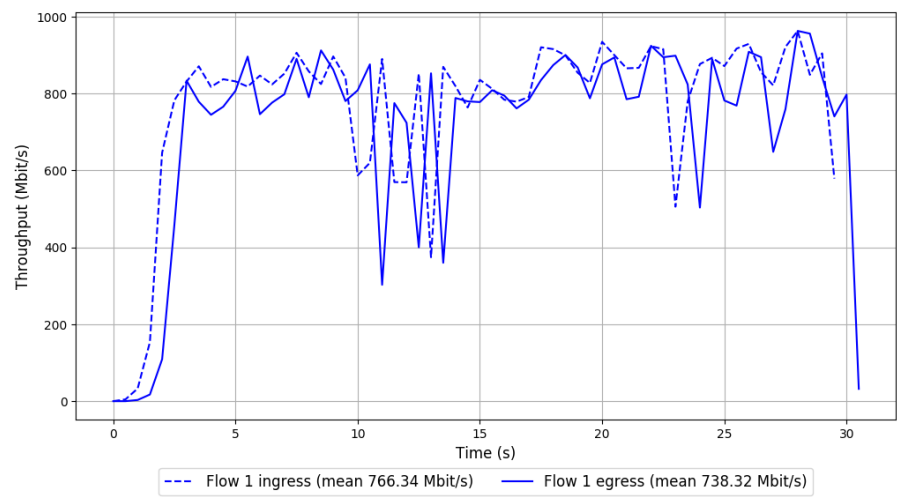


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-25 09:29:31
End at: 2018-07-25 09:30:01
Local clock offset: -0.181 ms
Remote clock offset: -0.249 ms

Below is generated by plot.py at 2018-07-25 13:48:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 738.32 Mbit/s
95th percentile per-packet one-way delay: 215.546 ms
Loss rate: 3.66%
-- Flow 1:
Average throughput: 738.32 Mbit/s
95th percentile per-packet one-way delay: 215.546 ms
Loss rate: 3.66%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-25 09:52:30

End at: 2018-07-25 09:53:00

Local clock offset: -0.098 ms

Remote clock offset: 0.126 ms

Below is generated by plot.py at 2018-07-25 13:48:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 729.66 Mbit/s

95th percentile per-packet one-way delay: 248.958 ms

Loss rate: 3.43%

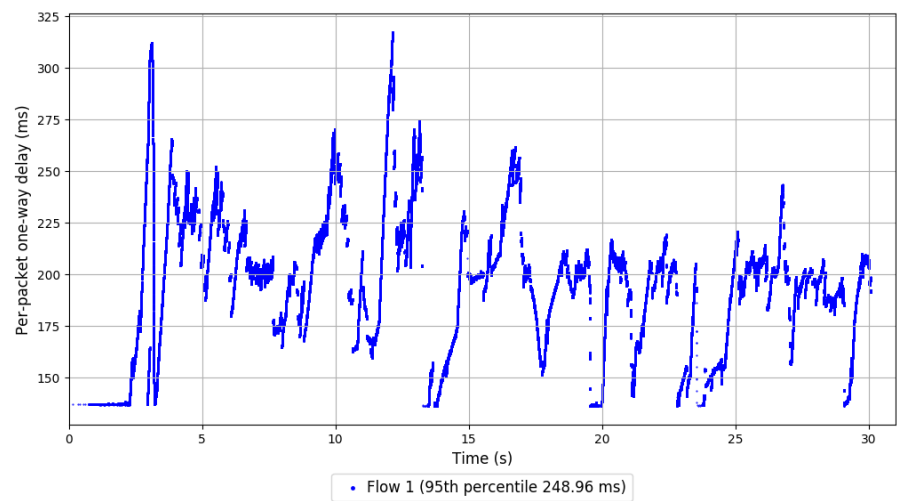
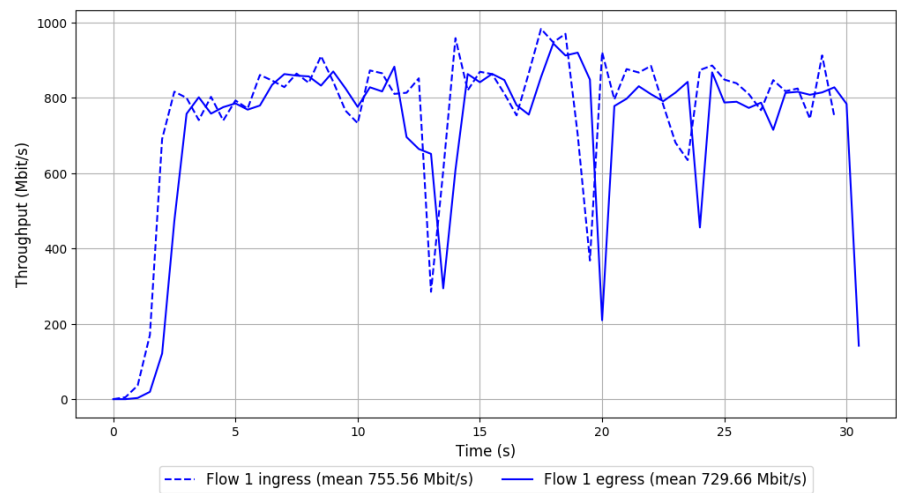
-- Flow 1:

Average throughput: 729.66 Mbit/s

95th percentile per-packet one-way delay: 248.958 ms

Loss rate: 3.43%

Run 3: Report of FillP-Sheep — Data Link

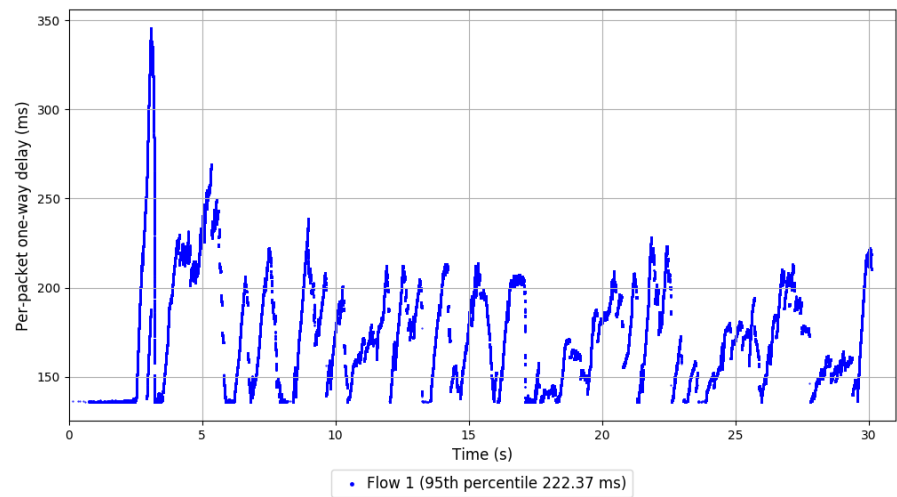
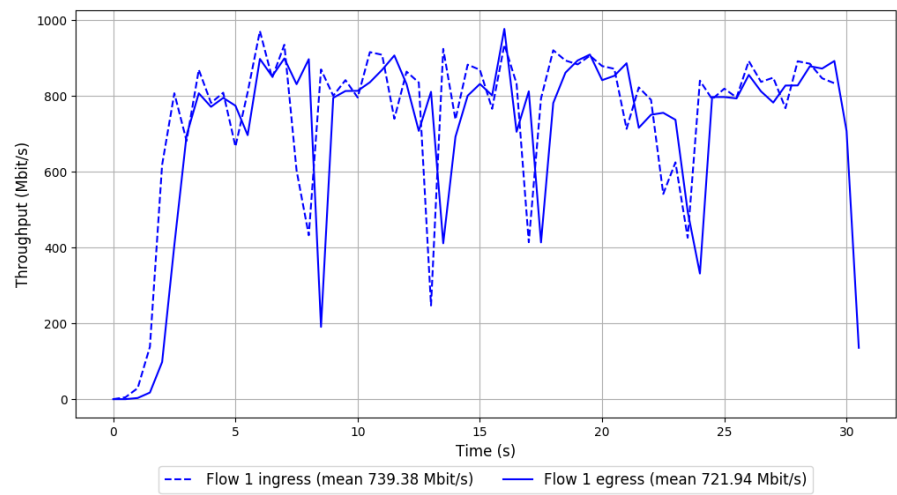


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-25 10:15:14
End at: 2018-07-25 10:15:44
Local clock offset: 0.128 ms
Remote clock offset: -0.311 ms

Below is generated by plot.py at 2018-07-25 13:49:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 721.94 Mbit/s
95th percentile per-packet one-way delay: 222.368 ms
Loss rate: 2.36%
-- Flow 1:
Average throughput: 721.94 Mbit/s
95th percentile per-packet one-way delay: 222.368 ms
Loss rate: 2.36%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-25 10:37:50

End at: 2018-07-25 10:38:20

Local clock offset: -0.306 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-07-25 13:52:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 808.78 Mbit/s

95th percentile per-packet one-way delay: 244.466 ms

Loss rate: 1.73%

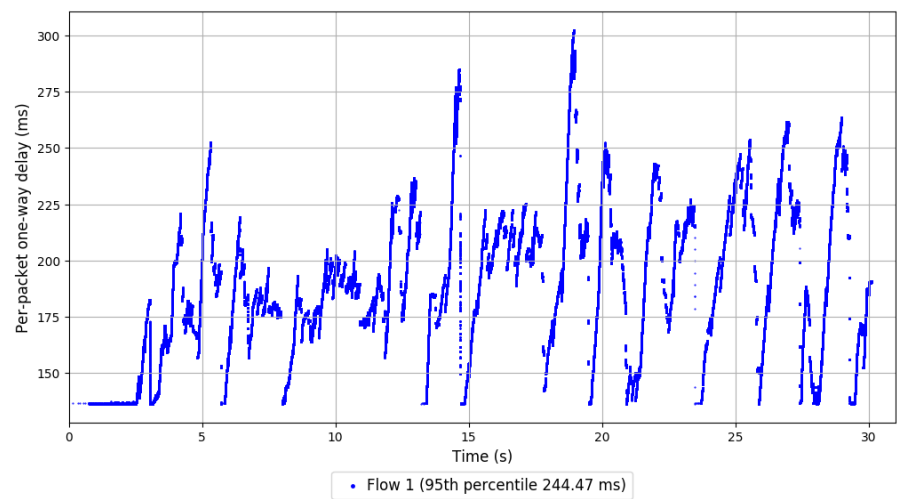
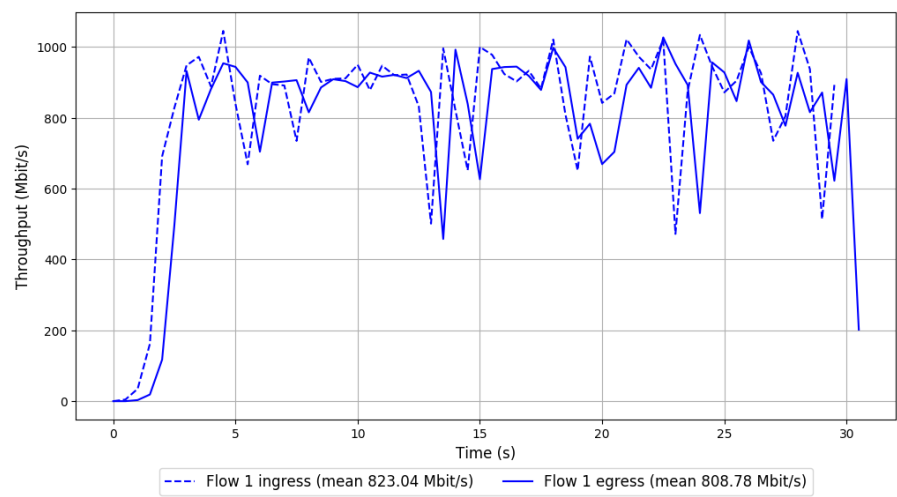
-- Flow 1:

Average throughput: 808.78 Mbit/s

95th percentile per-packet one-way delay: 244.466 ms

Loss rate: 1.73%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-25 11:01:00

End at: 2018-07-25 11:01:30

Local clock offset: -0.075 ms

Remote clock offset: 0.334 ms

Below is generated by plot.py at 2018-07-25 13:53:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 758.49 Mbit/s

95th percentile per-packet one-way delay: 306.434 ms

Loss rate: 3.48%

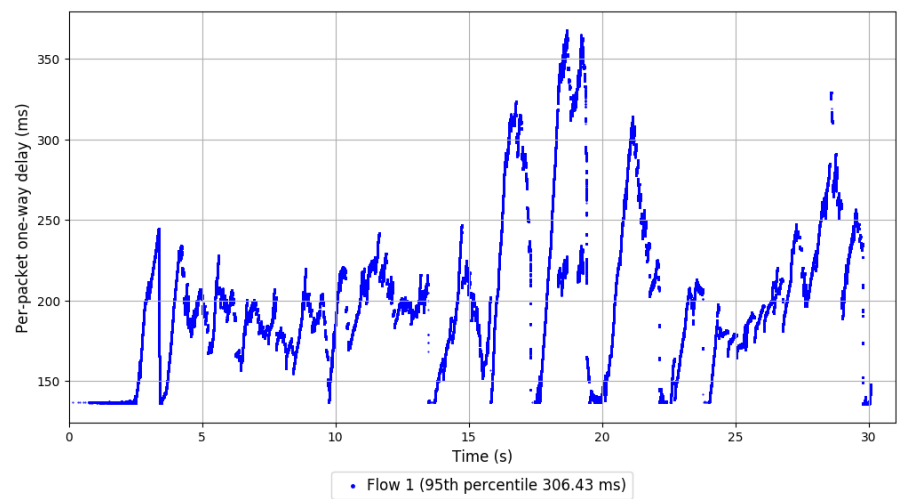
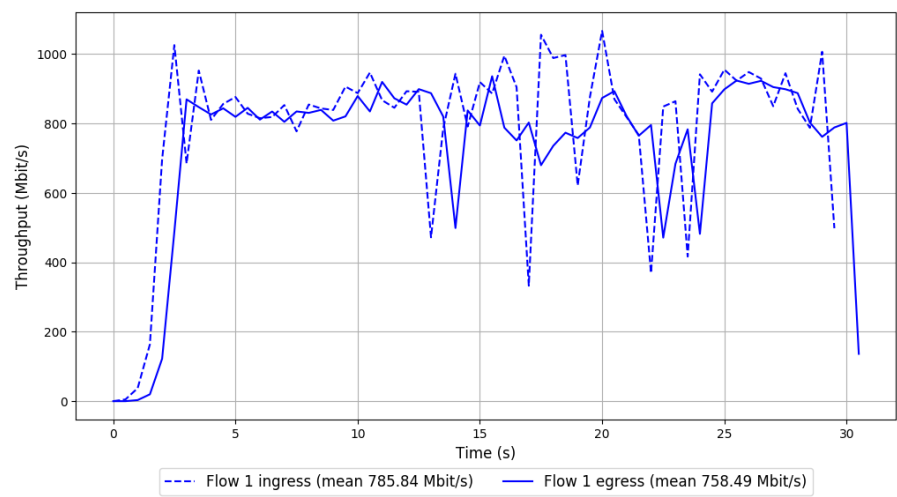
-- Flow 1:

Average throughput: 758.49 Mbit/s

95th percentile per-packet one-way delay: 306.434 ms

Loss rate: 3.48%

Run 6: Report of FillP-Sheep — Data Link

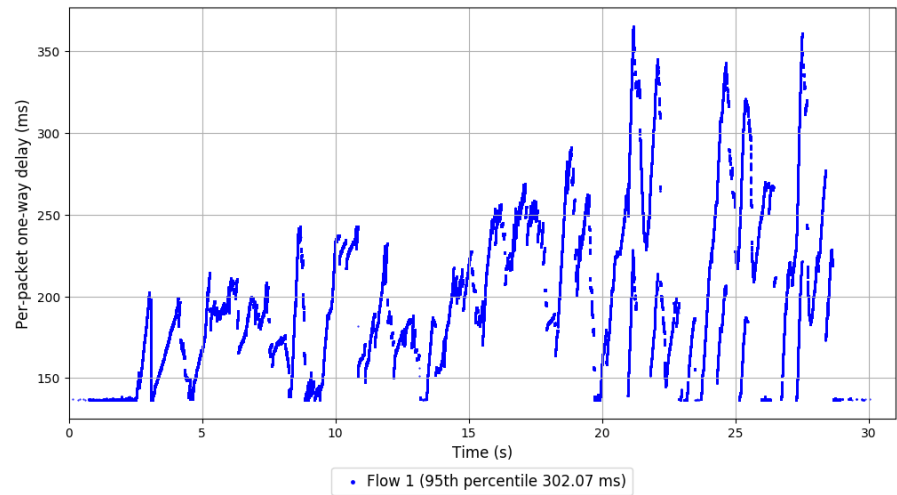
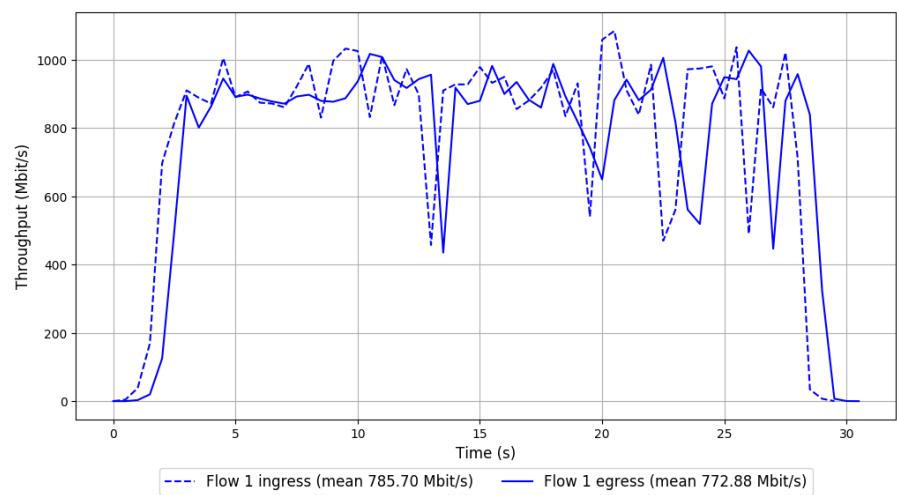


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-25 11:23:48
End at: 2018-07-25 11:24:18
Local clock offset: -0.413 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-25 13:55:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 772.88 Mbit/s
95th percentile per-packet one-way delay: 302.073 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 772.88 Mbit/s
95th percentile per-packet one-way delay: 302.073 ms
Loss rate: 1.63%

Run 7: Report of FillP-Sheep — Data Link

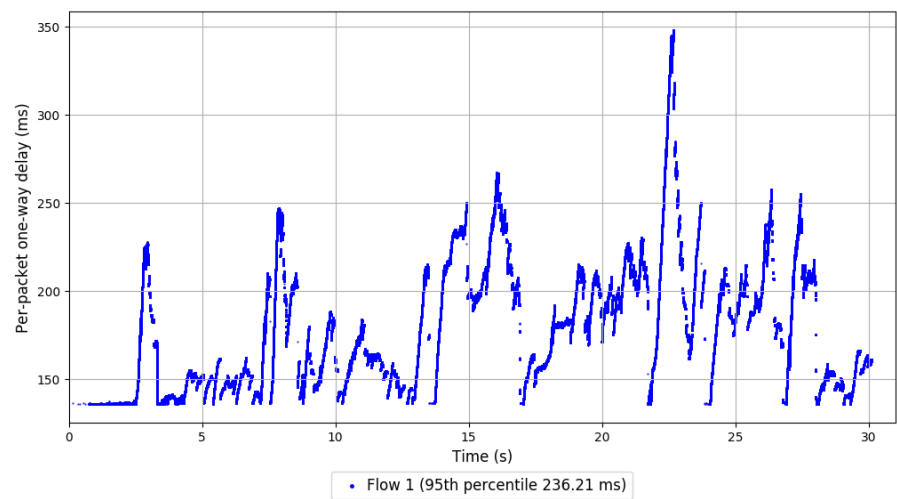
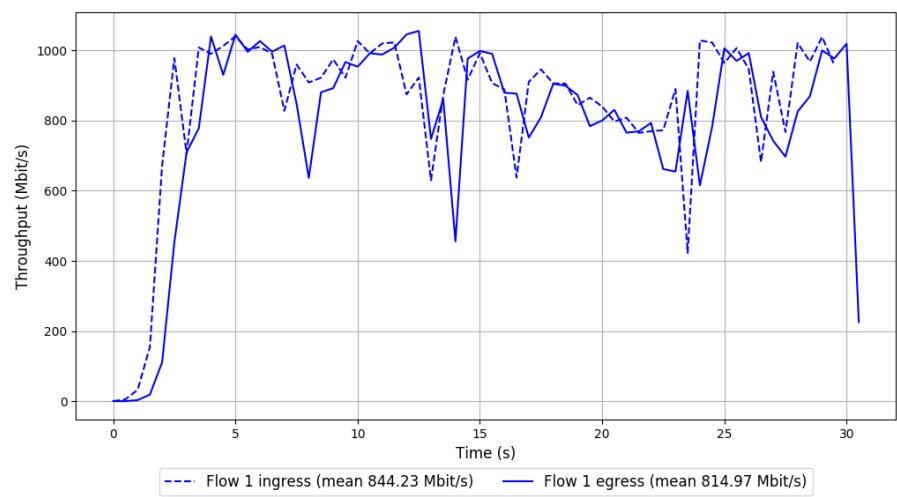


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-25 11:46:23
End at: 2018-07-25 11:46:53
Local clock offset: 0.054 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-25 14:11:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 814.97 Mbit/s
95th percentile per-packet one-way delay: 236.205 ms
Loss rate: 3.46%
-- Flow 1:
Average throughput: 814.97 Mbit/s
95th percentile per-packet one-way delay: 236.205 ms
Loss rate: 3.46%

Run 8: Report of FillP-Sheep — Data Link

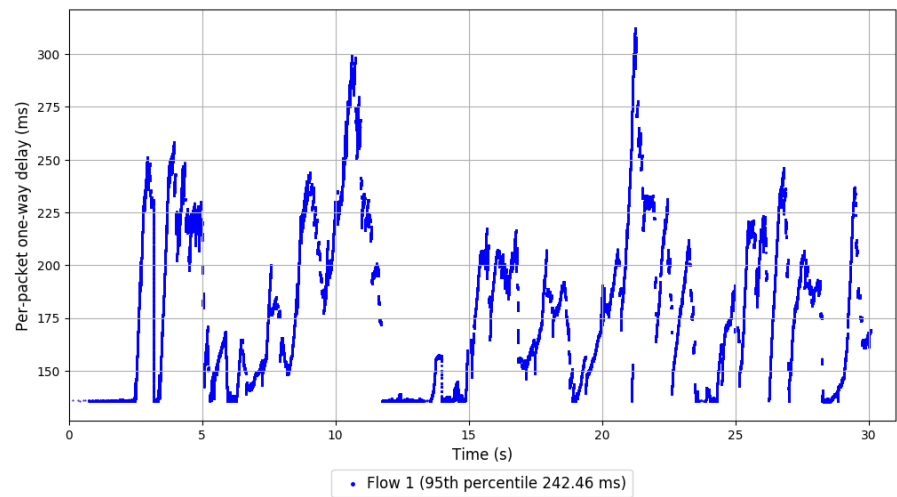
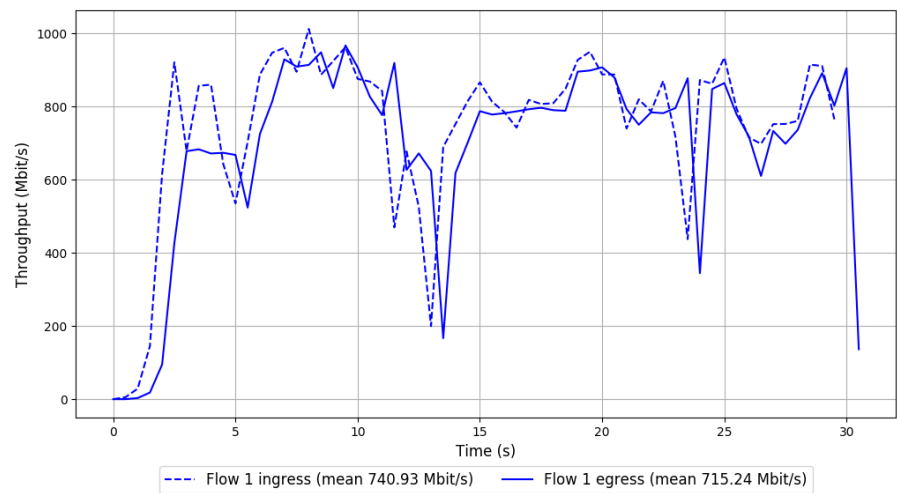


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-25 12:09:31
End at: 2018-07-25 12:10:01
Local clock offset: -0.043 ms
Remote clock offset: -0.369 ms

Below is generated by plot.py at 2018-07-25 14:11:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 715.24 Mbit/s
95th percentile per-packet one-way delay: 242.462 ms
Loss rate: 3.47%
-- Flow 1:
Average throughput: 715.24 Mbit/s
95th percentile per-packet one-way delay: 242.462 ms
Loss rate: 3.47%

Run 9: Report of FillP-Sheep — Data Link

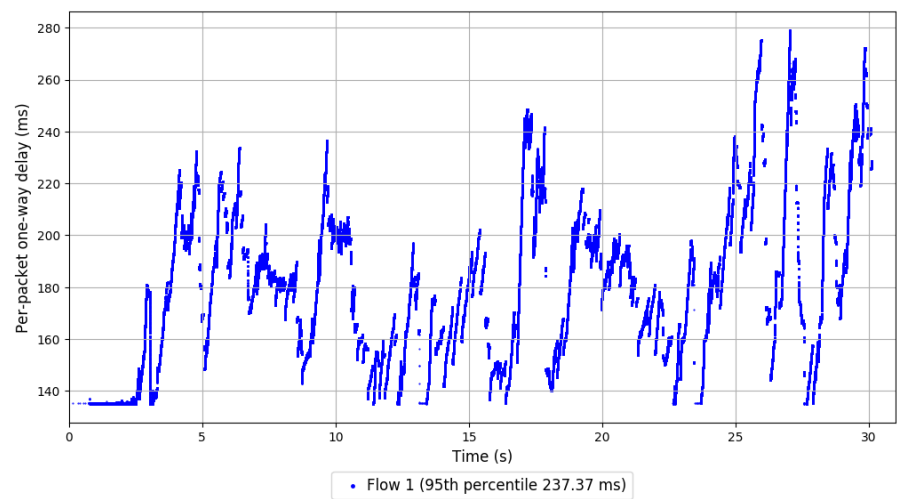
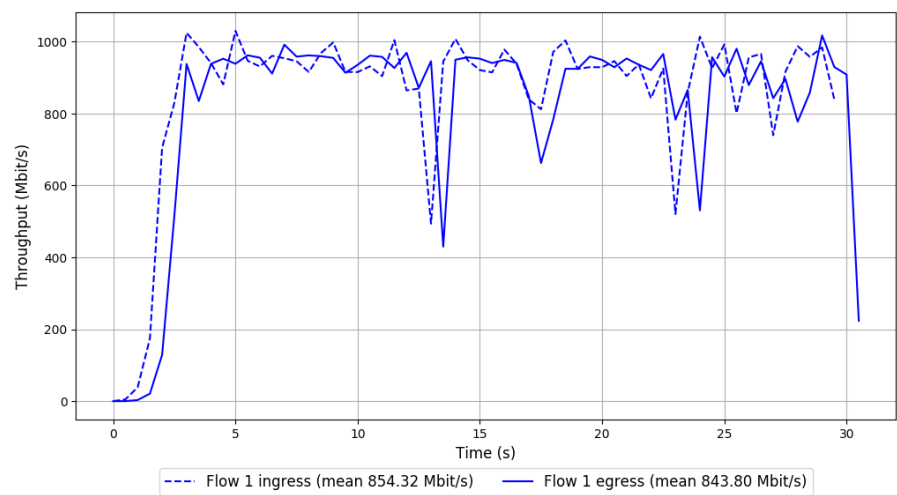


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-25 12:32:41
End at: 2018-07-25 12:33:11
Local clock offset: 0.125 ms
Remote clock offset: -0.326 ms

Below is generated by plot.py at 2018-07-25 14:13:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 843.80 Mbit/s
95th percentile per-packet one-way delay: 237.372 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 843.80 Mbit/s
95th percentile per-packet one-way delay: 237.372 ms
Loss rate: 1.23%

Run 10: Report of FillP-Sheep — Data Link

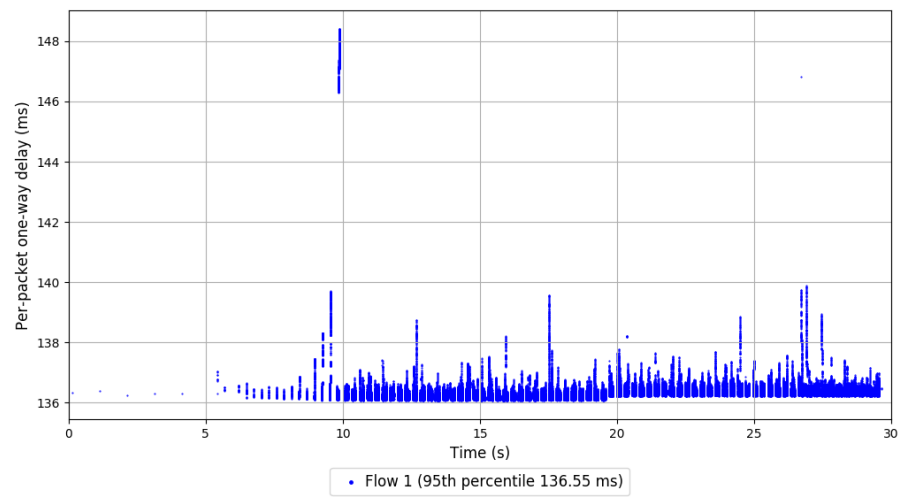
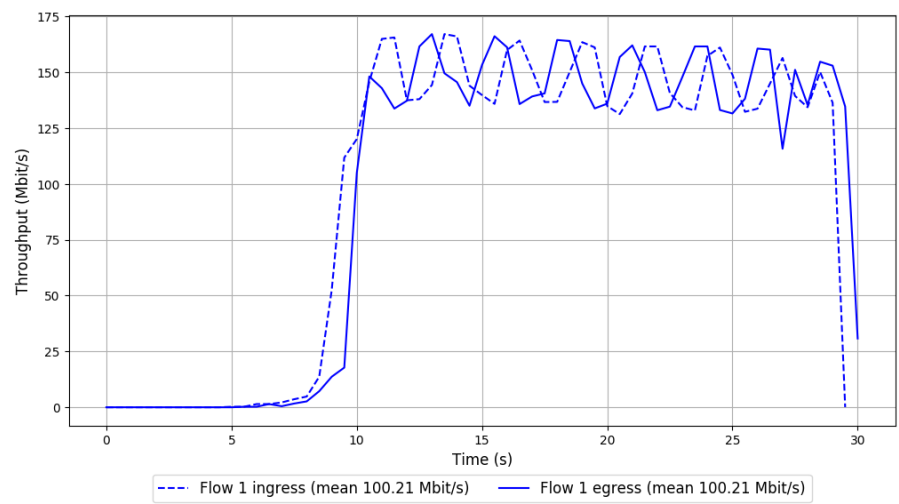


Run 1: Statistics of Indigo

Start at: 2018-07-25 09:14:59
End at: 2018-07-25 09:15:29
Local clock offset: -0.152 ms
Remote clock offset: -0.317 ms

Below is generated by plot.py at 2018-07-25 14:13:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 100.21 Mbit/s
95th percentile per-packet one-way delay: 136.551 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 100.21 Mbit/s
95th percentile per-packet one-way delay: 136.551 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-25 09:37:57

End at: 2018-07-25 09:38:27

Local clock offset: -0.033 ms

Remote clock offset: 0.479 ms

Below is generated by plot.py at 2018-07-25 14:13:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 174.06 Mbit/s

95th percentile per-packet one-way delay: 137.134 ms

Loss rate: 0.00%

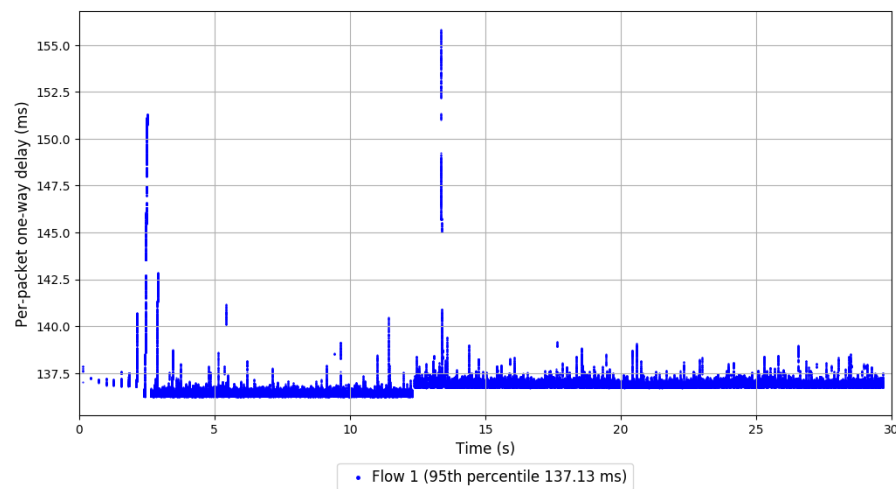
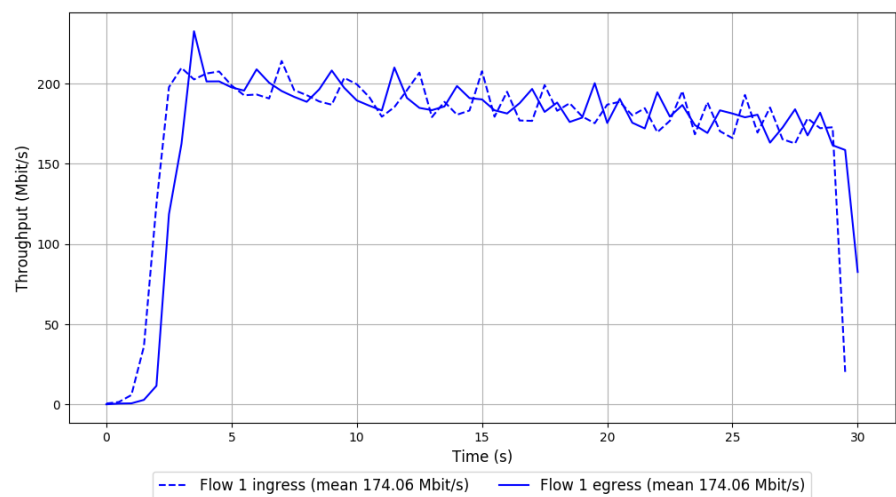
-- Flow 1:

Average throughput: 174.06 Mbit/s

95th percentile per-packet one-way delay: 137.134 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

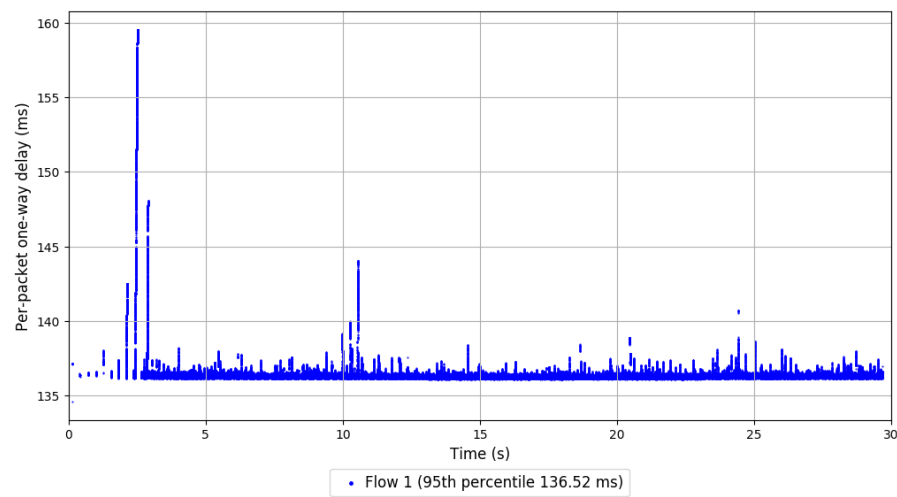
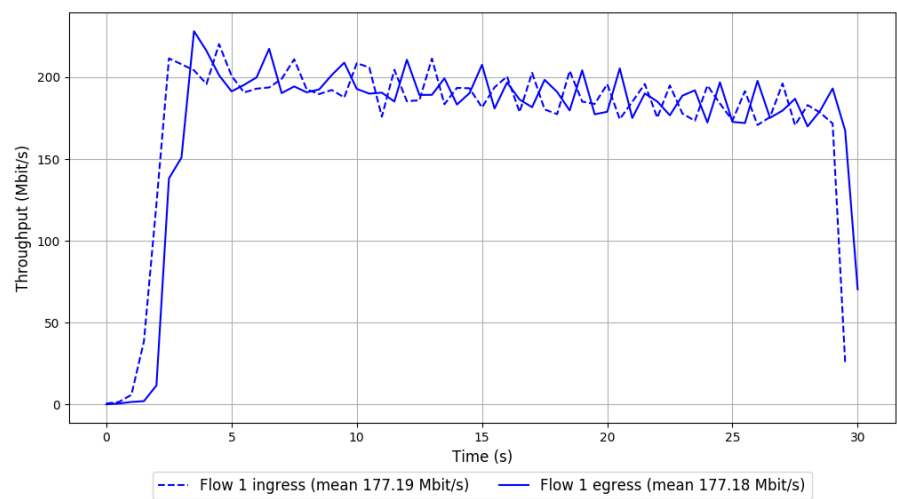


Run 3: Statistics of Indigo

Start at: 2018-07-25 10:00:56
End at: 2018-07-25 10:01:26
Local clock offset: -0.157 ms
Remote clock offset: -0.234 ms

Below is generated by plot.py at 2018-07-25 14:13:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 177.18 Mbit/s
95th percentile per-packet one-way delay: 136.517 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 177.18 Mbit/s
95th percentile per-packet one-way delay: 136.517 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

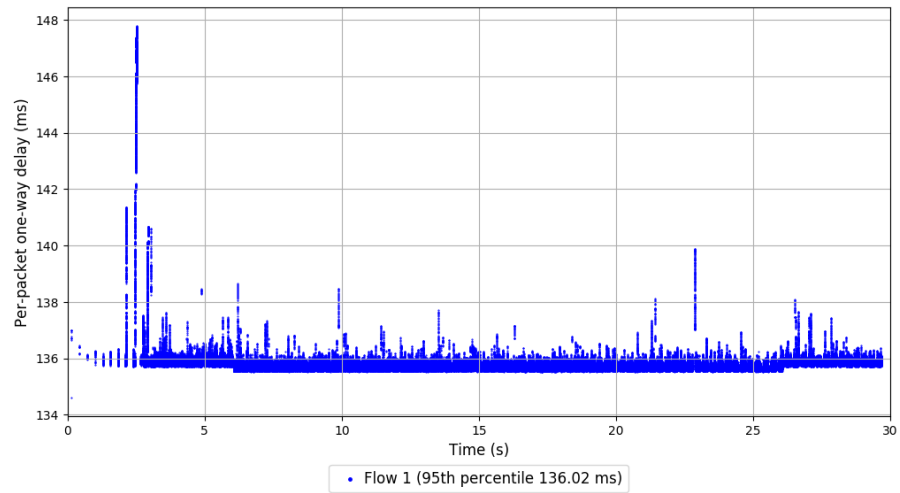
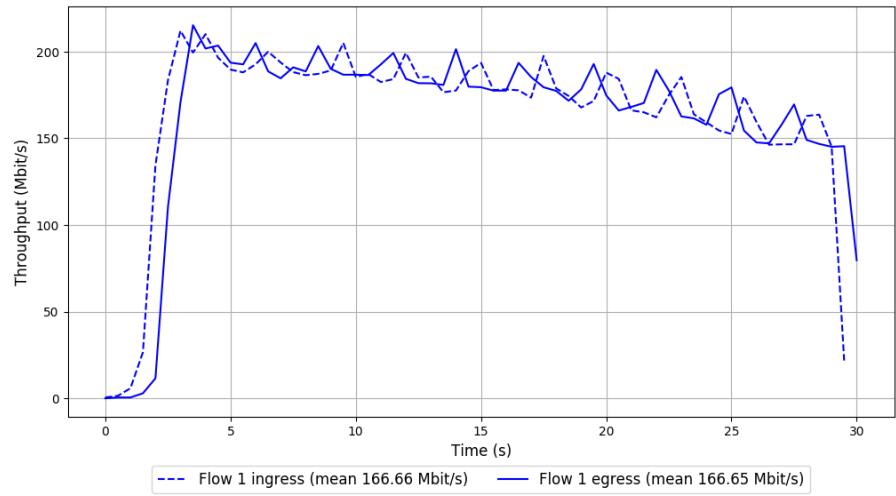


Run 4: Statistics of Indigo

Start at: 2018-07-25 10:23:23
End at: 2018-07-25 10:23:53
Local clock offset: 0.172 ms
Remote clock offset: -0.289 ms

Below is generated by plot.py at 2018-07-25 14:13:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 166.65 Mbit/s
95th percentile per-packet one-way delay: 136.023 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 166.65 Mbit/s
95th percentile per-packet one-way delay: 136.023 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-25 10:46:19

End at: 2018-07-25 10:46:49

Local clock offset: -0.071 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-07-25 14:13:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 178.95 Mbit/s

95th percentile per-packet one-way delay: 136.489 ms

Loss rate: 0.00%

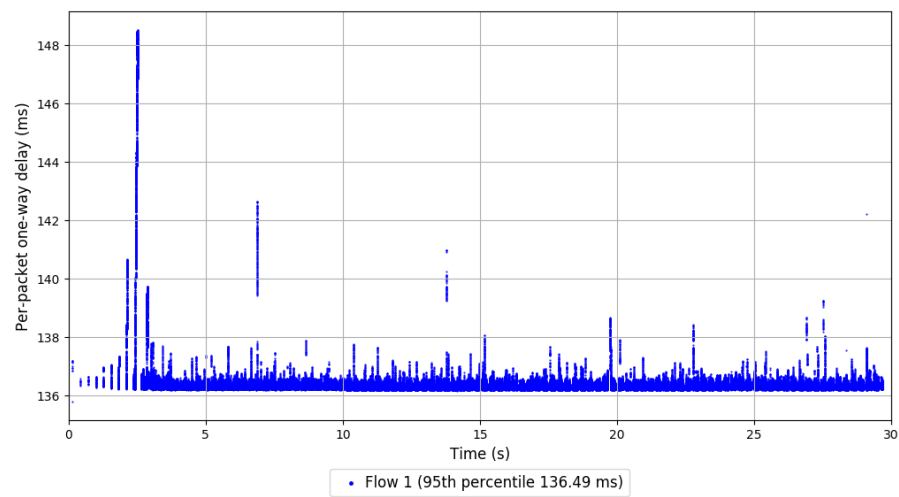
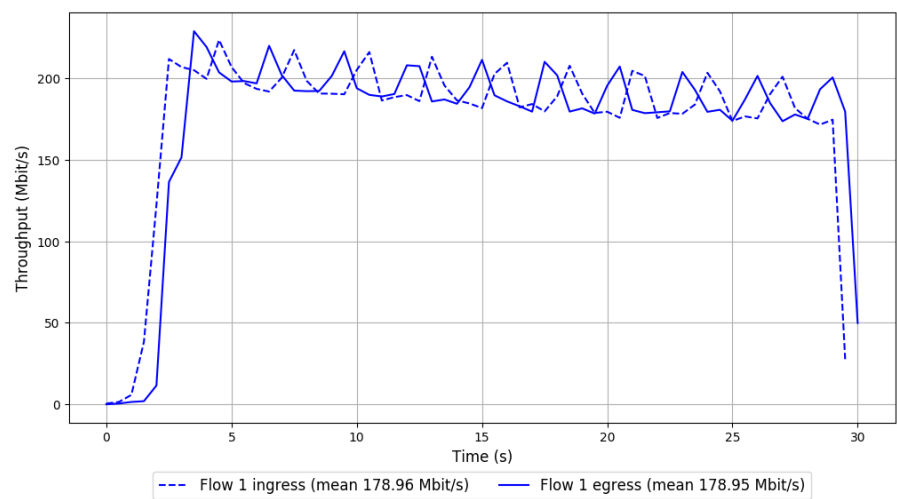
-- Flow 1:

Average throughput: 178.95 Mbit/s

95th percentile per-packet one-way delay: 136.489 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-25 11:09:28

End at: 2018-07-25 11:09:58

Local clock offset: 0.207 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-07-25 14:13:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 159.01 Mbit/s

95th percentile per-packet one-way delay: 136.410 ms

Loss rate: 0.00%

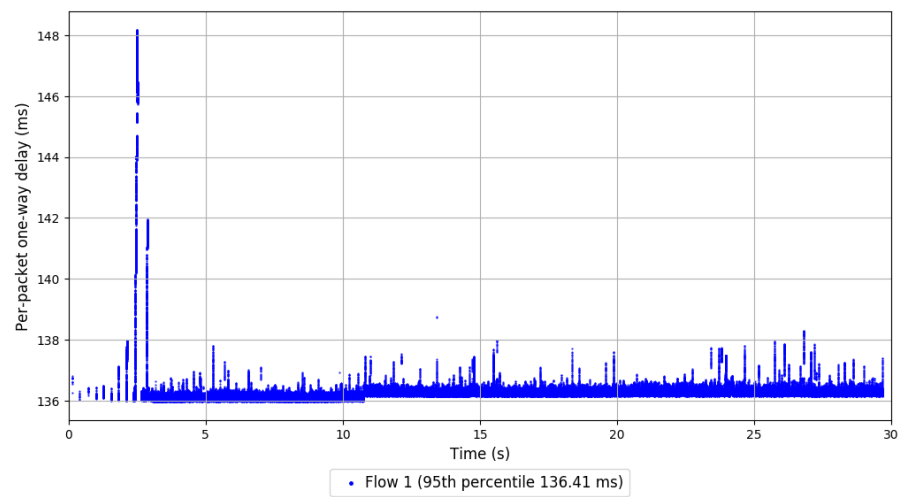
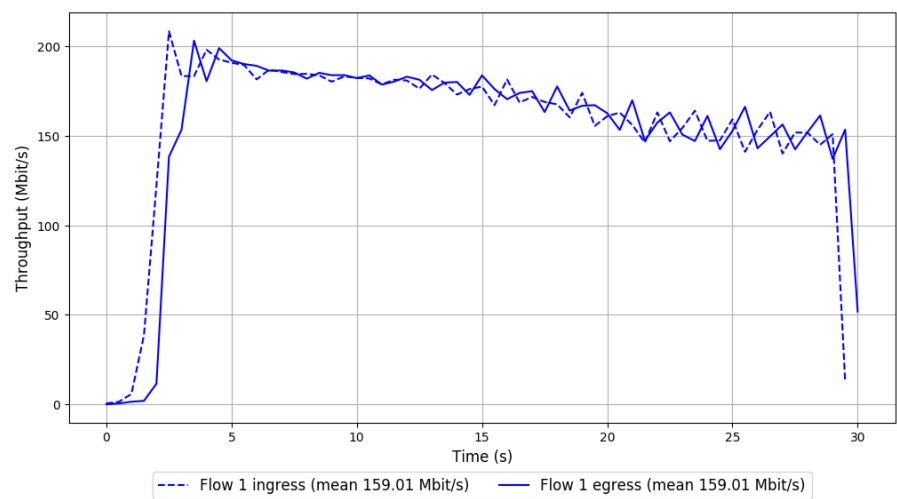
-- Flow 1:

Average throughput: 159.01 Mbit/s

95th percentile per-packet one-way delay: 136.410 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-25 11:31:57

End at: 2018-07-25 11:32:27

Local clock offset: 0.204 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-07-25 14:13:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 177.04 Mbit/s

95th percentile per-packet one-way delay: 136.420 ms

Loss rate: 0.00%

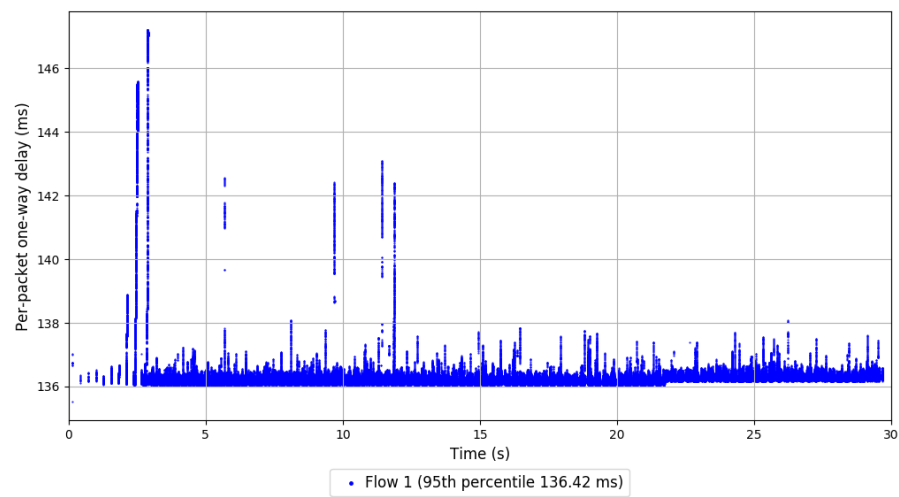
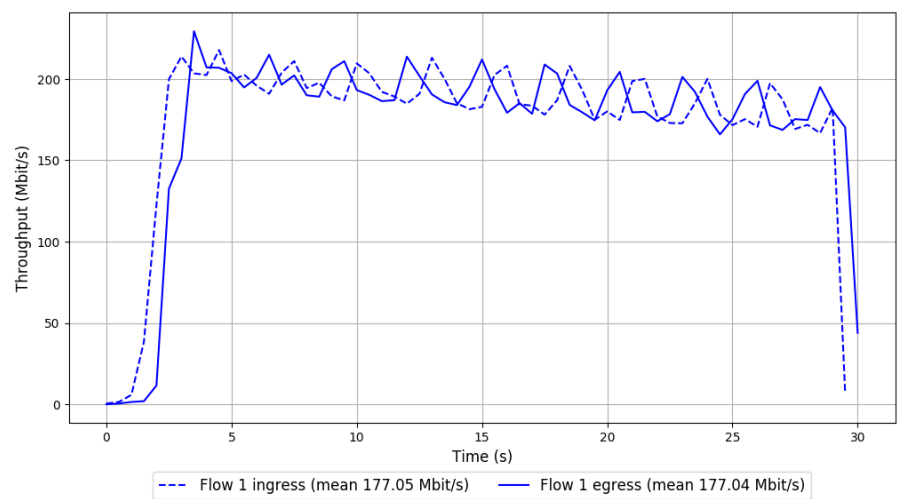
-- Flow 1:

Average throughput: 177.04 Mbit/s

95th percentile per-packet one-way delay: 136.420 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-25 11:54:54

End at: 2018-07-25 11:55:24

Local clock offset: -0.115 ms

Remote clock offset: 0.362 ms

Below is generated by plot.py at 2018-07-25 14:13:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.56 Mbit/s

95th percentile per-packet one-way delay: 137.101 ms

Loss rate: 0.00%

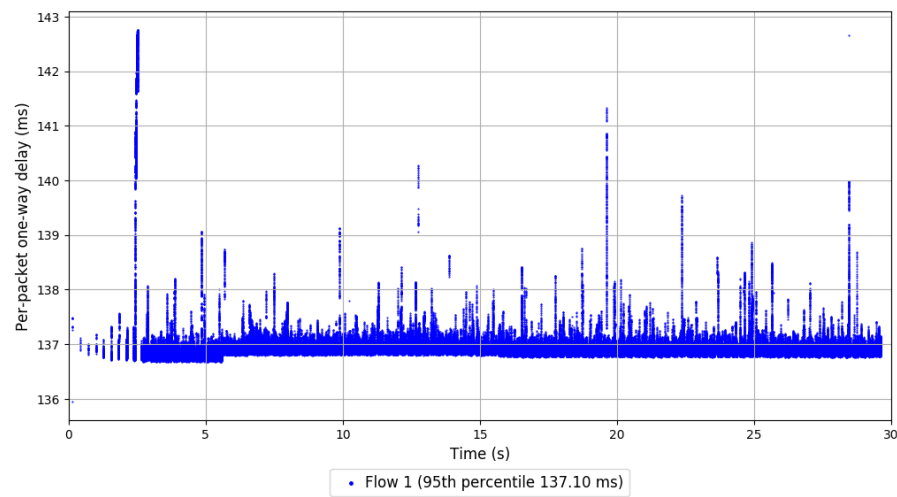
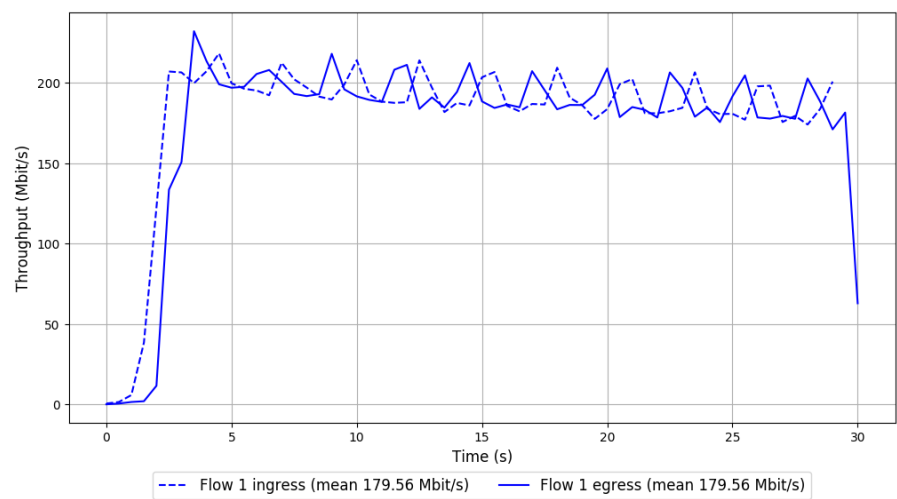
-- Flow 1:

Average throughput: 179.56 Mbit/s

95th percentile per-packet one-way delay: 137.101 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-25 12:17:57

End at: 2018-07-25 12:18:27

Local clock offset: -0.308 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-07-25 14:13:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 177.57 Mbit/s

95th percentile per-packet one-way delay: 136.917 ms

Loss rate: 0.00%

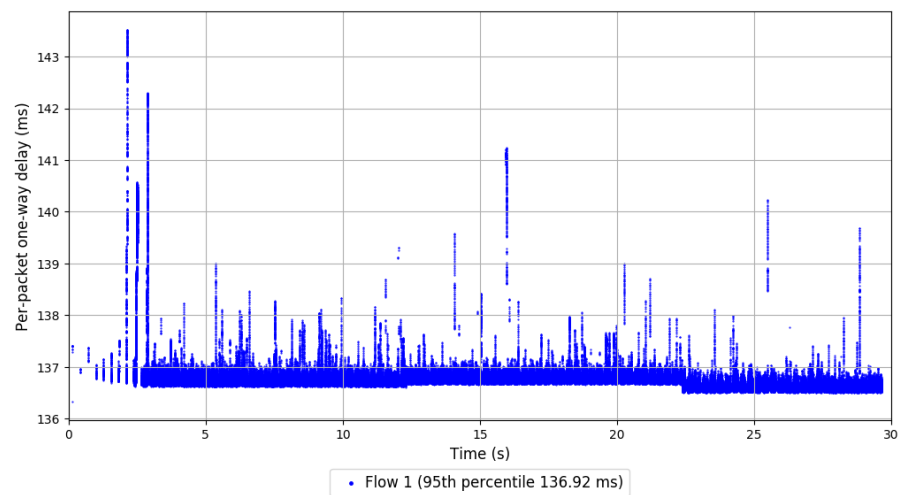
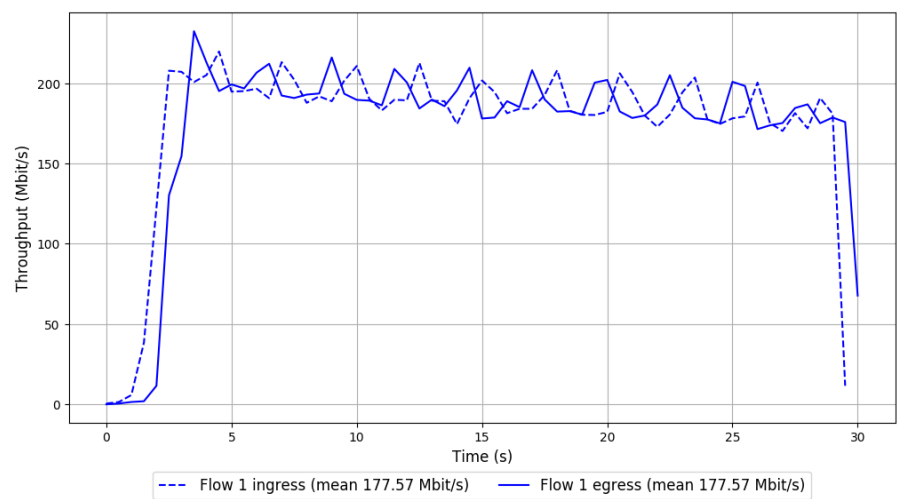
-- Flow 1:

Average throughput: 177.57 Mbit/s

95th percentile per-packet one-way delay: 136.917 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-25 12:40:48

End at: 2018-07-25 12:41:18

Local clock offset: 0.447 ms

Remote clock offset: 0.37 ms

Below is generated by plot.py at 2018-07-25 14:13:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.07 Mbit/s

95th percentile per-packet one-way delay: 136.443 ms

Loss rate: 0.00%

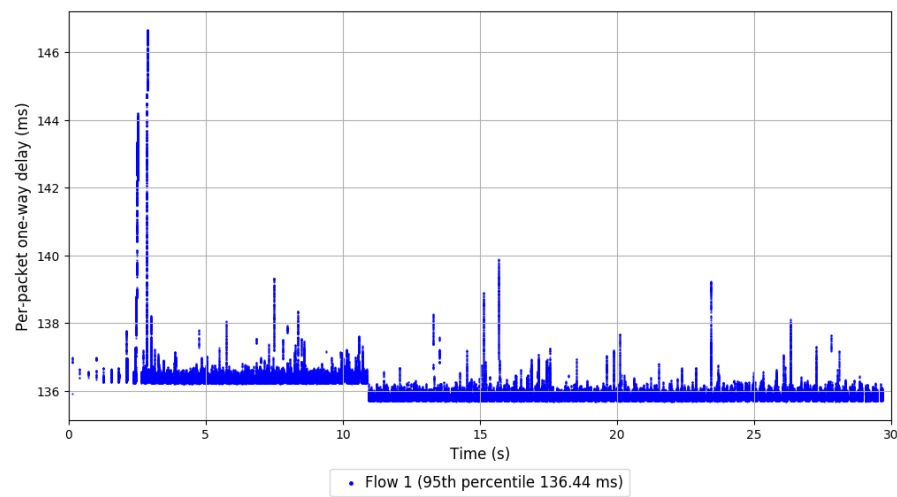
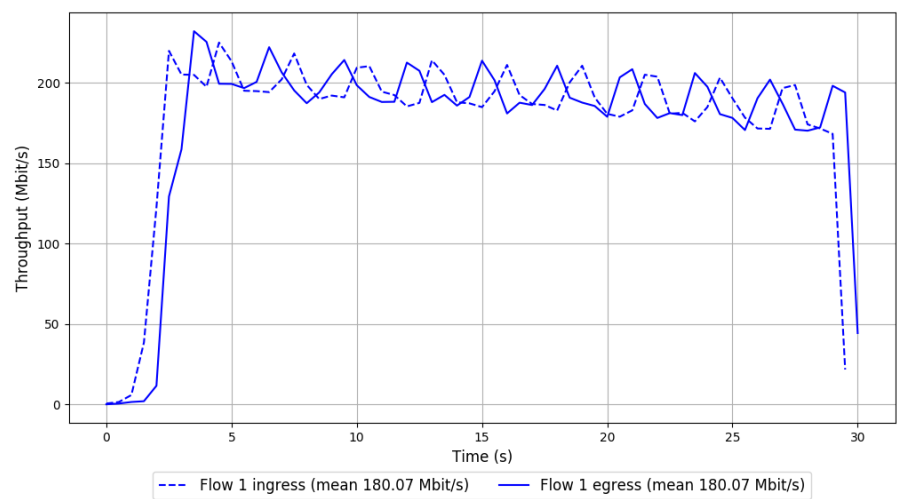
-- Flow 1:

Average throughput: 180.07 Mbit/s

95th percentile per-packet one-way delay: 136.443 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

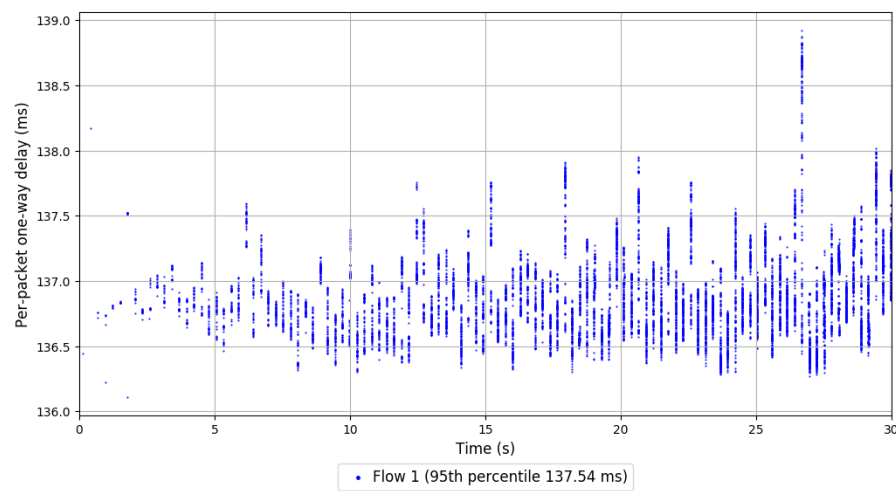
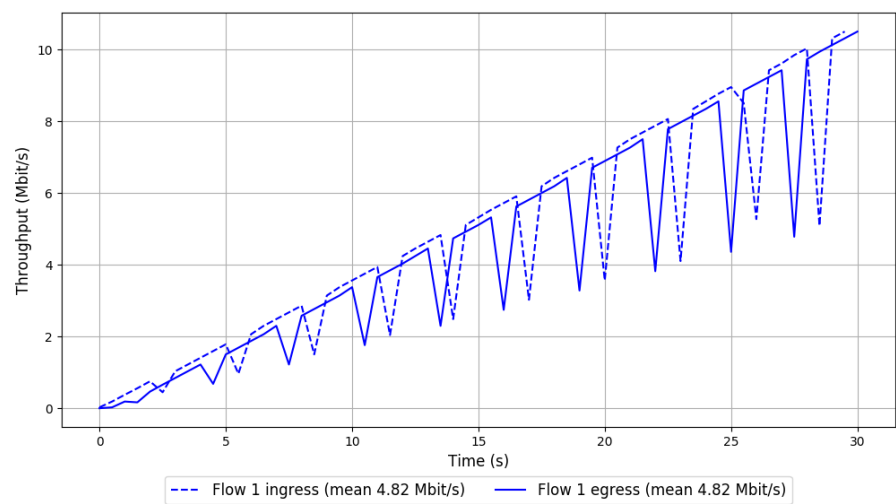


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-25 09:12:42
End at: 2018-07-25 09:13:12
Local clock offset: 0.028 ms
Remote clock offset: 0.068 ms

# Below is generated by plot.py at 2018-07-25 14:13:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.82 Mbit/s
95th percentile per-packet one-way delay: 137.542 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.82 Mbit/s
95th percentile per-packet one-way delay: 137.542 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-25 09:35:39

End at: 2018-07-25 09:36:09

Local clock offset: -0.156 ms

Remote clock offset: 0.115 ms

Below is generated by plot.py at 2018-07-25 14:13:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.83 Mbit/s

95th percentile per-packet one-way delay: 137.884 ms

Loss rate: 0.00%

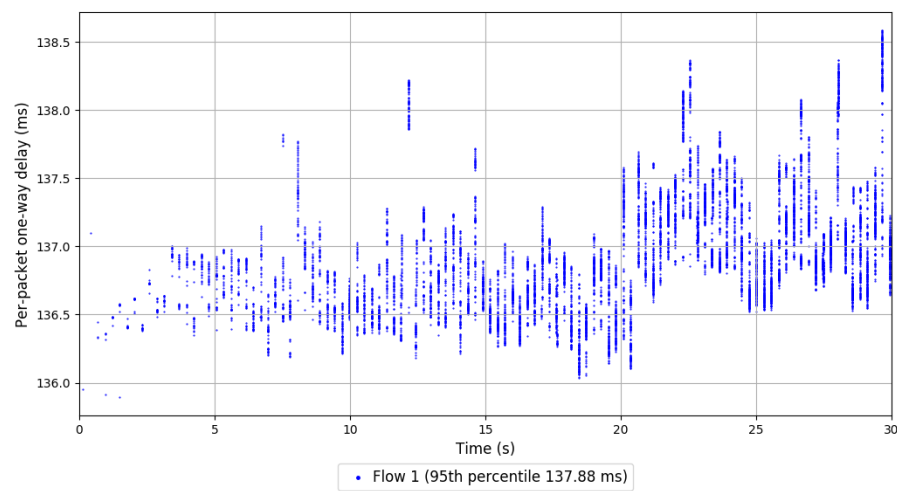
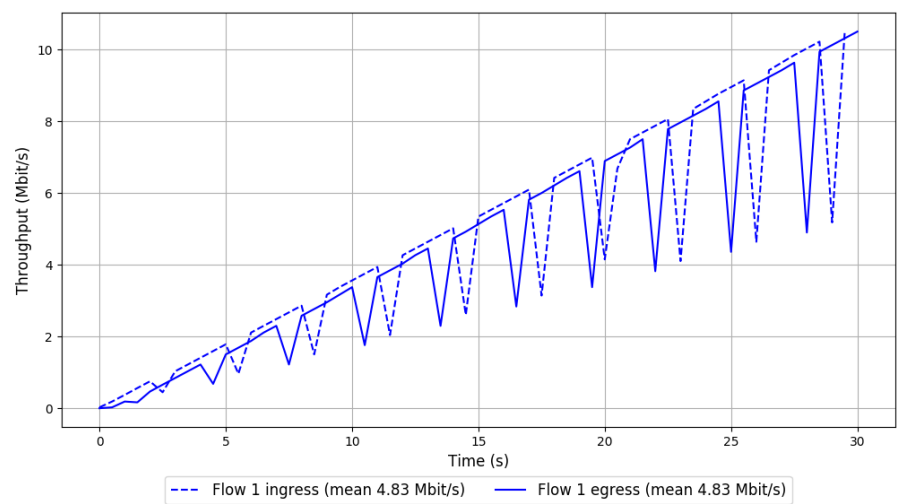
-- Flow 1:

Average throughput: 4.83 Mbit/s

95th percentile per-packet one-way delay: 137.884 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-25 09:58:38

End at: 2018-07-25 09:59:08

Local clock offset: 0.284 ms

Remote clock offset: 0.473 ms

Below is generated by plot.py at 2018-07-25 14:13:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.90 Mbit/s

95th percentile per-packet one-way delay: 137.429 ms

Loss rate: 0.00%

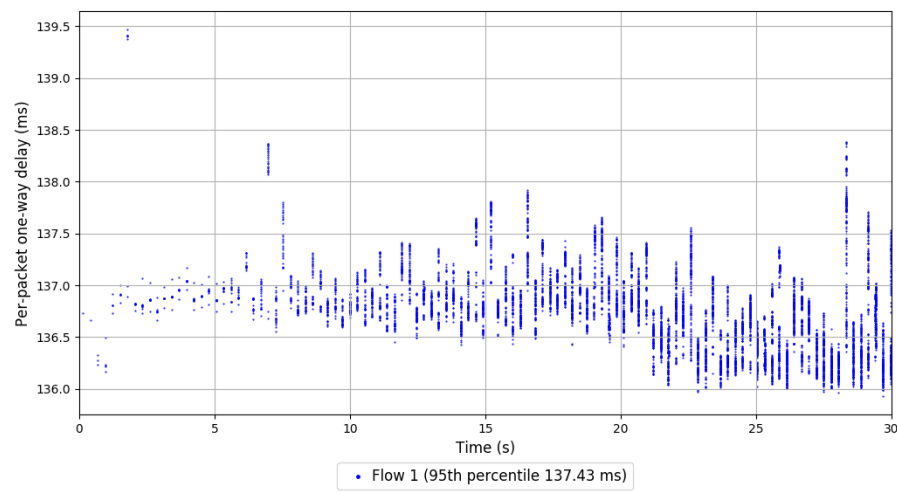
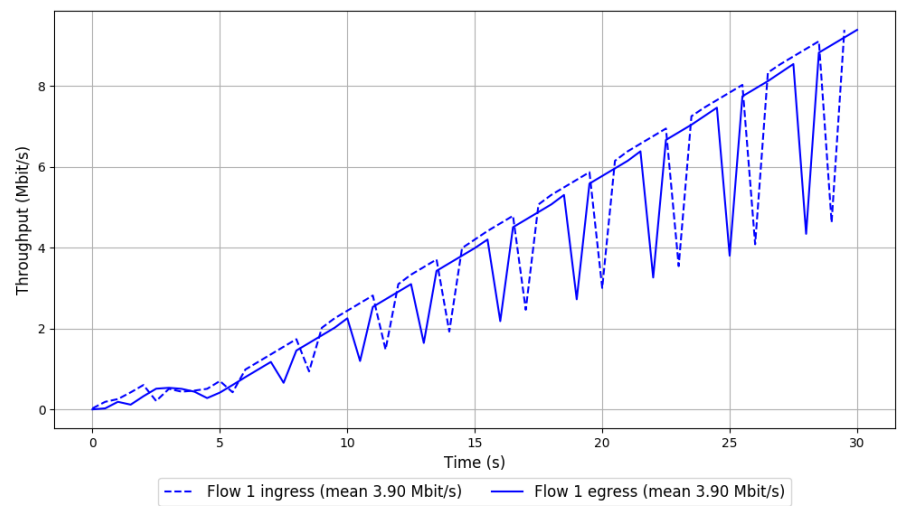
-- Flow 1:

Average throughput: 3.90 Mbit/s

95th percentile per-packet one-way delay: 137.429 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-25 10:21:05

End at: 2018-07-25 10:21:35

Local clock offset: -0.452 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-07-25 14:13:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.78 Mbit/s

95th percentile per-packet one-way delay: 137.869 ms

Loss rate: 0.00%

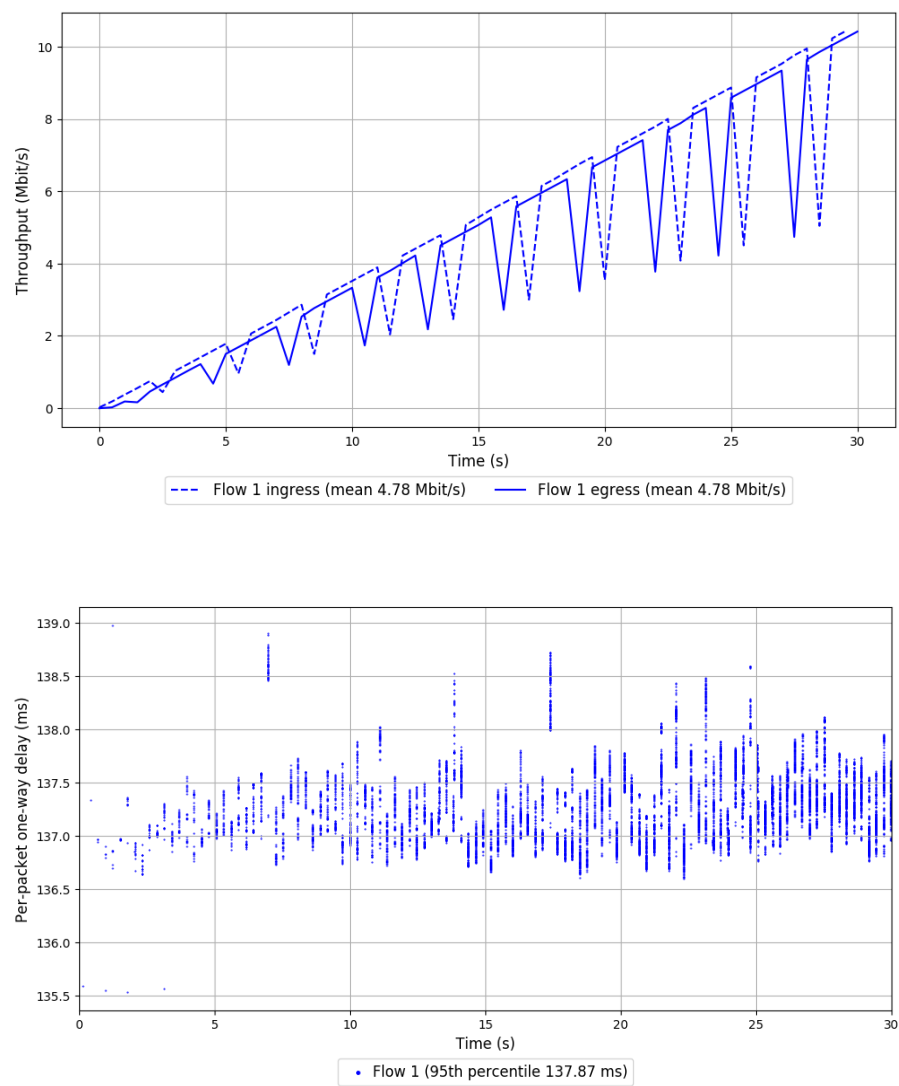
-- Flow 1:

Average throughput: 4.78 Mbit/s

95th percentile per-packet one-way delay: 137.869 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-25 10:44:01

End at: 2018-07-25 10:44:31

Local clock offset: -0.29 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2018-07-25 14:13:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.38 Mbit/s

95th percentile per-packet one-way delay: 137.654 ms

Loss rate: 0.00%

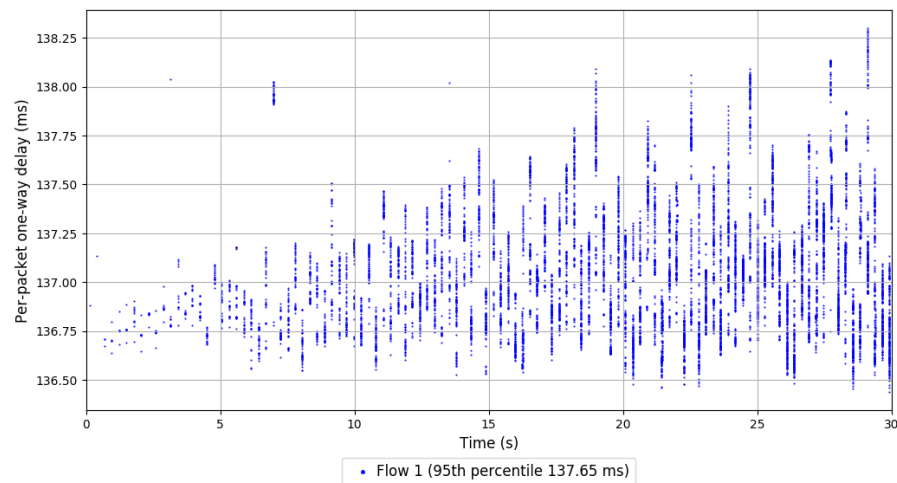
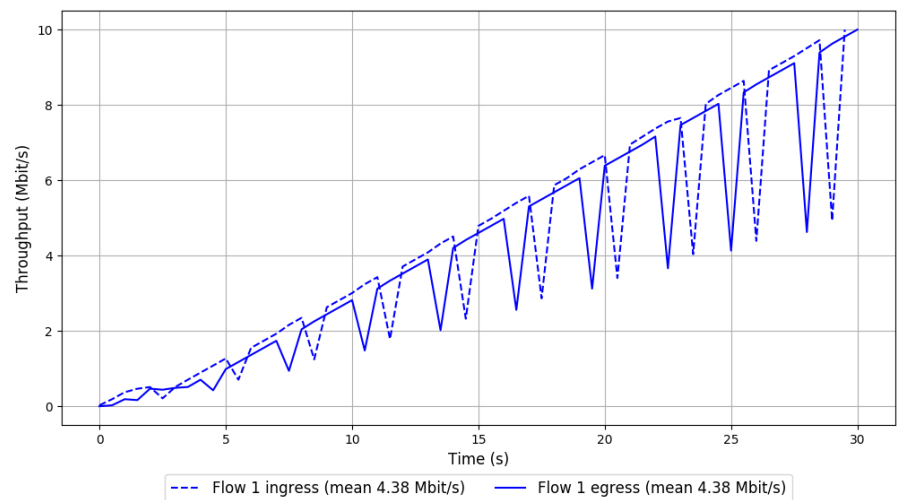
-- Flow 1:

Average throughput: 4.38 Mbit/s

95th percentile per-packet one-way delay: 137.654 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

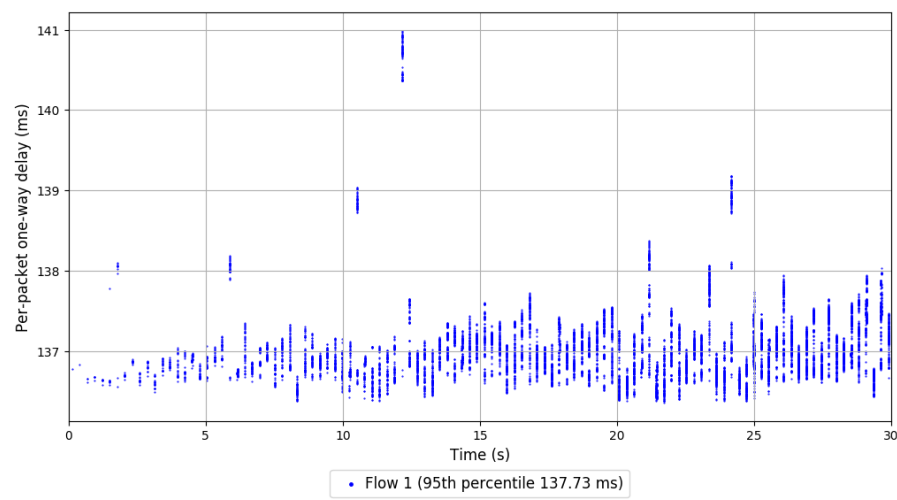
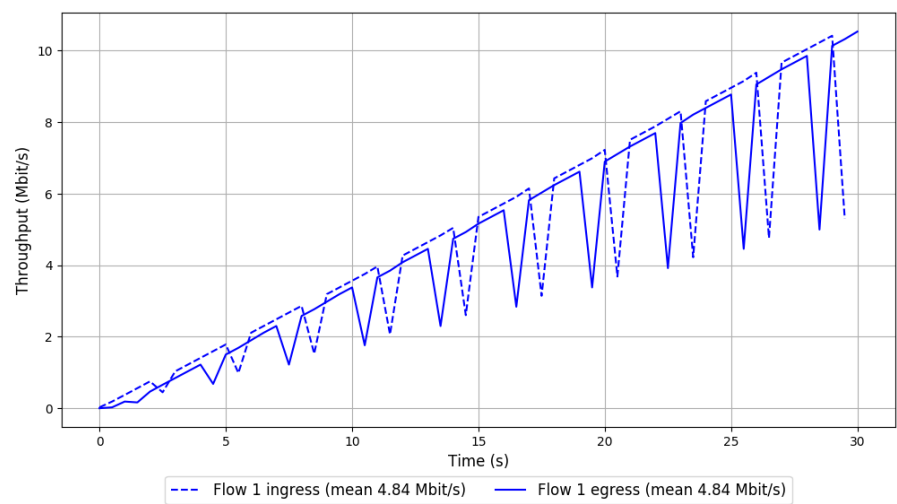


Run 6: Statistics of LEDBAT

Start at: 2018-07-25 11:07:11
End at: 2018-07-25 11:07:41
Local clock offset: -0.211 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-25 14:13:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 137.728 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 137.728 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

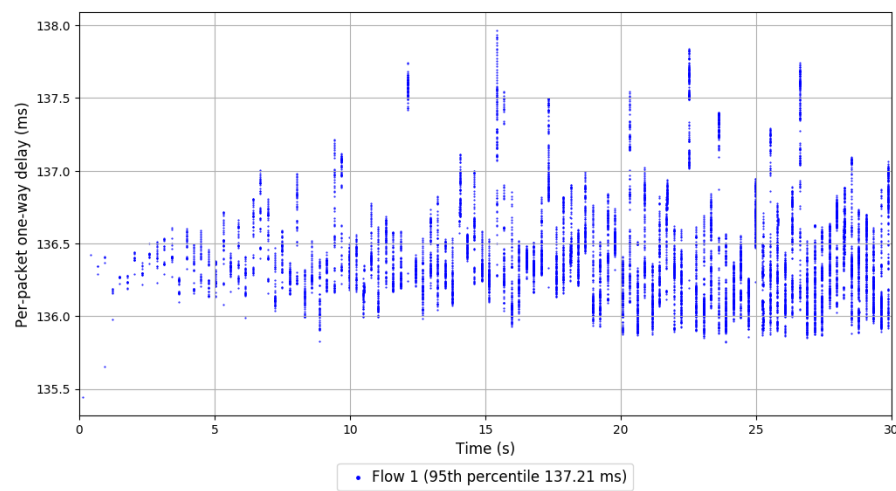
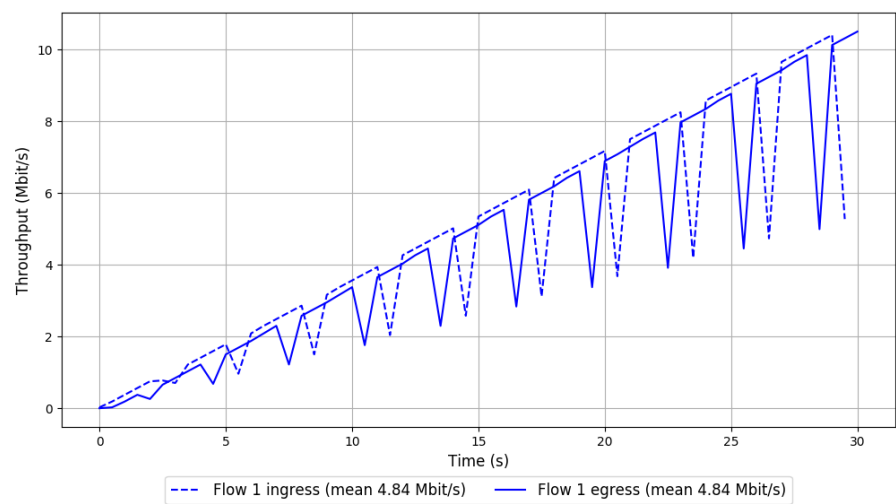


Run 7: Statistics of LEDBAT

Start at: 2018-07-25 11:29:40
End at: 2018-07-25 11:30:10
Local clock offset: 0.095 ms
Remote clock offset: -0.338 ms

Below is generated by plot.py at 2018-07-25 14:13:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 137.205 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 137.205 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

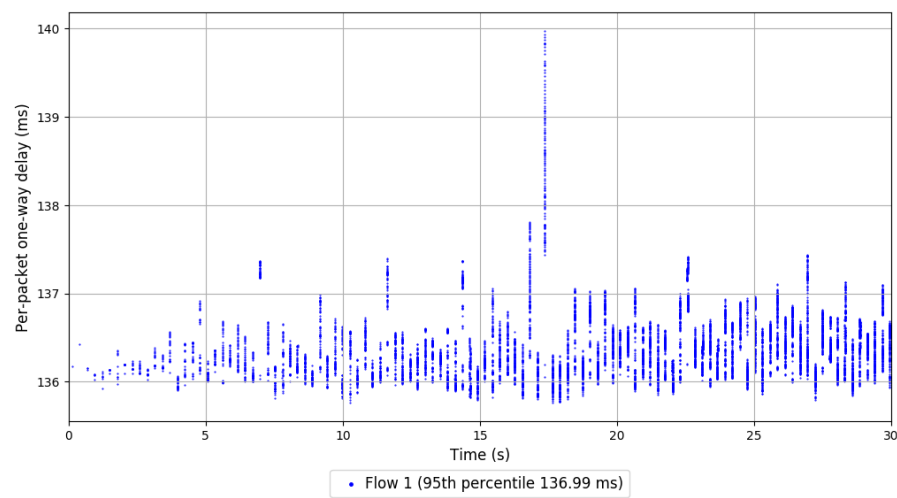
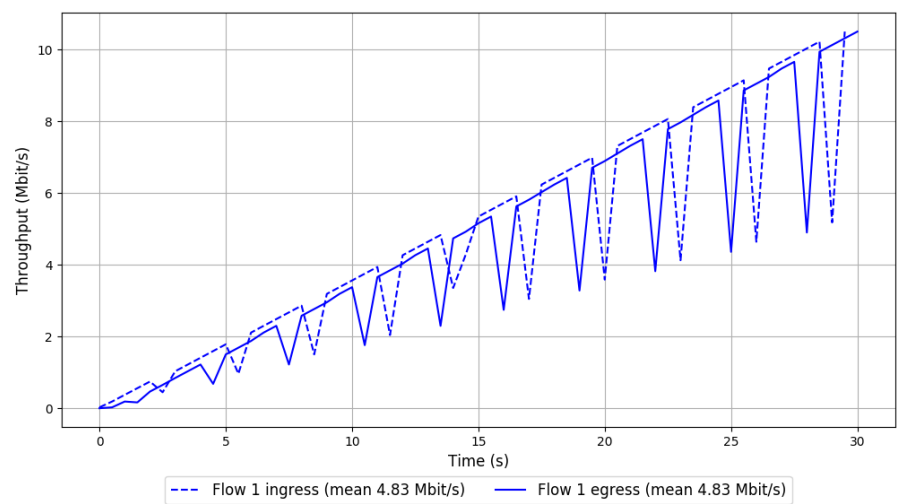


Run 8: Statistics of LEDBAT

Start at: 2018-07-25 11:52:36
End at: 2018-07-25 11:53:06
Local clock offset: 0.221 ms
Remote clock offset: -0.349 ms

Below is generated by plot.py at 2018-07-25 14:13:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.83 Mbit/s
95th percentile per-packet one-way delay: 136.987 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.83 Mbit/s
95th percentile per-packet one-way delay: 136.987 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-25 12:15:39

End at: 2018-07-25 12:16:09

Local clock offset: -0.0 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-07-25 14:13:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.80 Mbit/s

95th percentile per-packet one-way delay: 137.831 ms

Loss rate: 0.00%

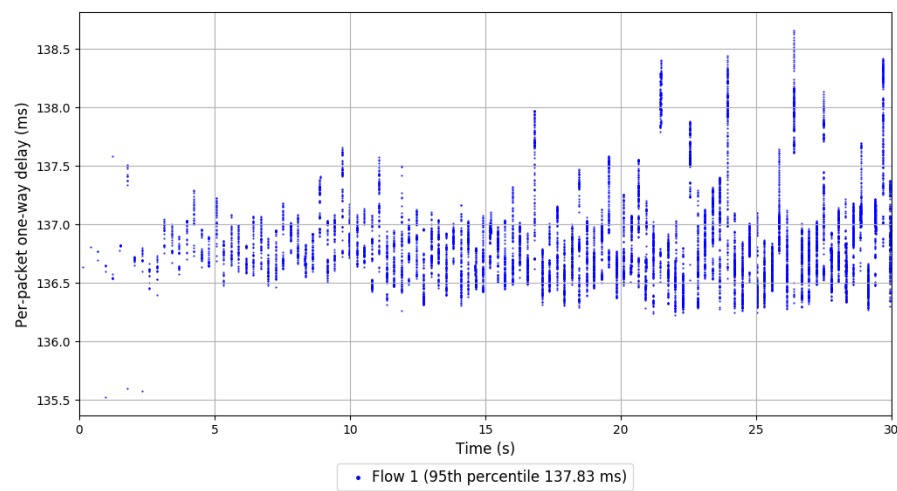
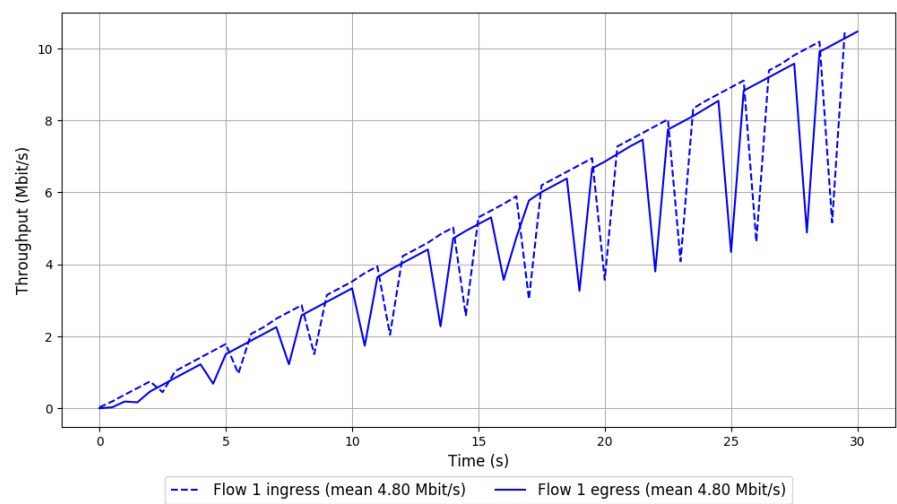
-- Flow 1:

Average throughput: 4.80 Mbit/s

95th percentile per-packet one-way delay: 137.831 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-25 12:38:31

End at: 2018-07-25 12:39:01

Local clock offset: -0.404 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-07-25 14:13:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.89 Mbit/s

95th percentile per-packet one-way delay: 138.395 ms

Loss rate: 0.00%

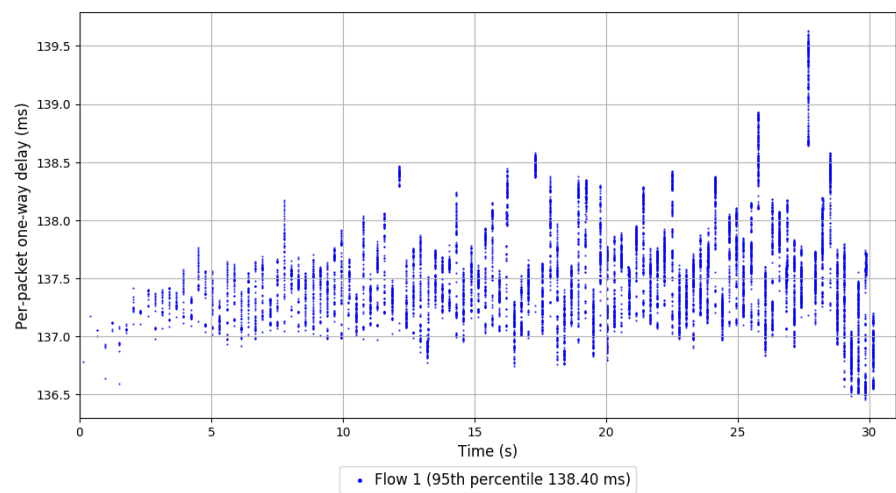
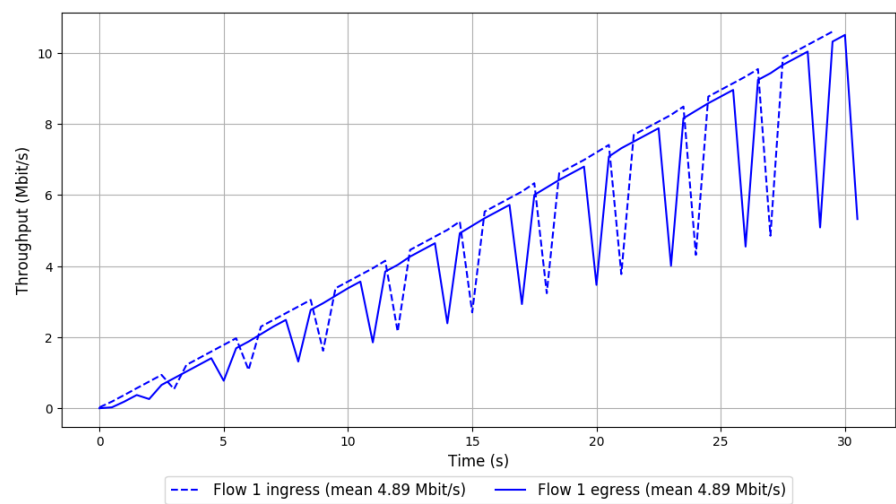
-- Flow 1:

Average throughput: 4.89 Mbit/s

95th percentile per-packet one-way delay: 138.395 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-25 09:17:24

End at: 2018-07-25 09:17:54

Local clock offset: 0.06 ms

Remote clock offset: -0.291 ms

Below is generated by plot.py at 2018-07-25 14:13:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 415.10 Mbit/s

95th percentile per-packet one-way delay: 172.299 ms

Loss rate: 0.15%

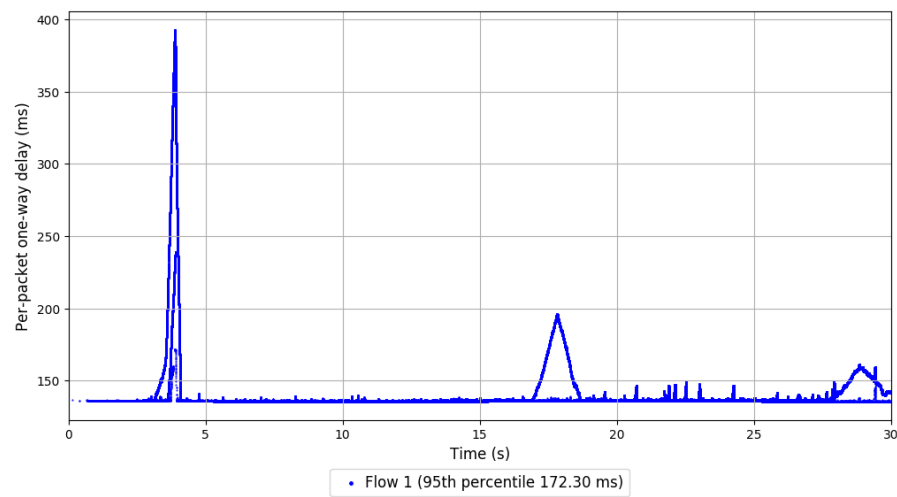
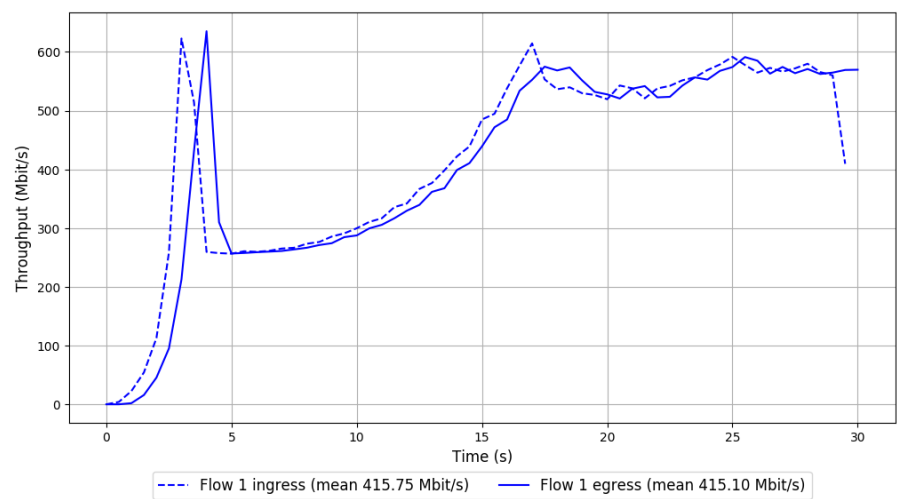
-- Flow 1:

Average throughput: 415.10 Mbit/s

95th percentile per-packet one-way delay: 172.299 ms

Loss rate: 0.15%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-25 09:40:27

End at: 2018-07-25 09:40:57

Local clock offset: -0.253 ms

Remote clock offset: 0.127 ms

Below is generated by plot.py at 2018-07-25 14:13:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 424.27 Mbit/s

95th percentile per-packet one-way delay: 196.363 ms

Loss rate: 0.21%

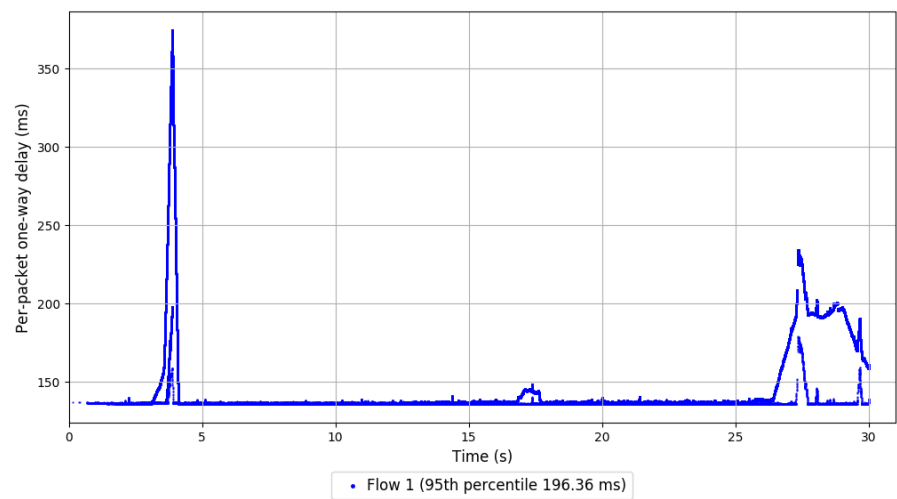
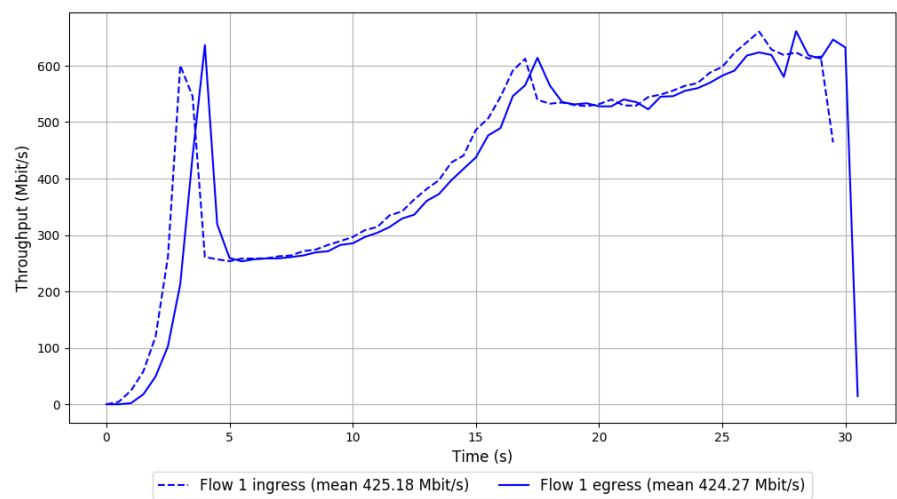
-- Flow 1:

Average throughput: 424.27 Mbit/s

95th percentile per-packet one-way delay: 196.363 ms

Loss rate: 0.21%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-25 10:03:26

End at: 2018-07-25 10:03:56

Local clock offset: 0.096 ms

Remote clock offset: 0.132 ms

Below is generated by plot.py at 2018-07-25 14:13:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 418.81 Mbit/s

95th percentile per-packet one-way delay: 170.523 ms

Loss rate: 0.09%

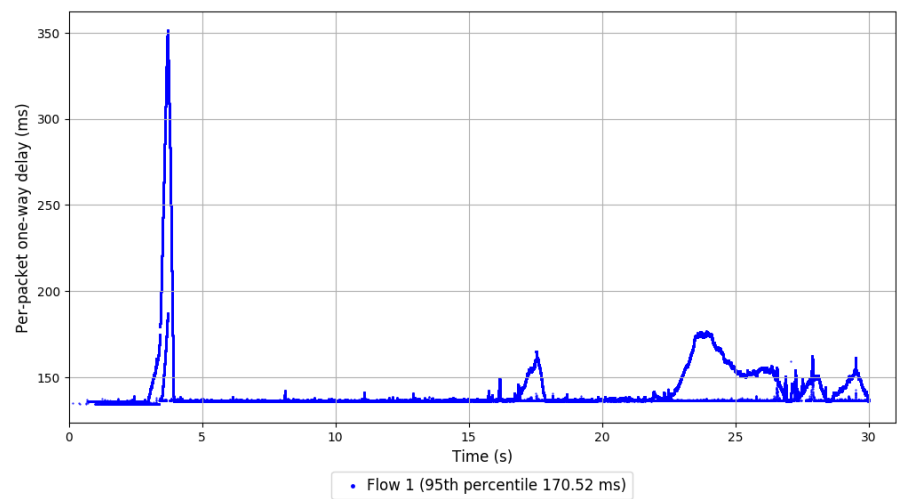
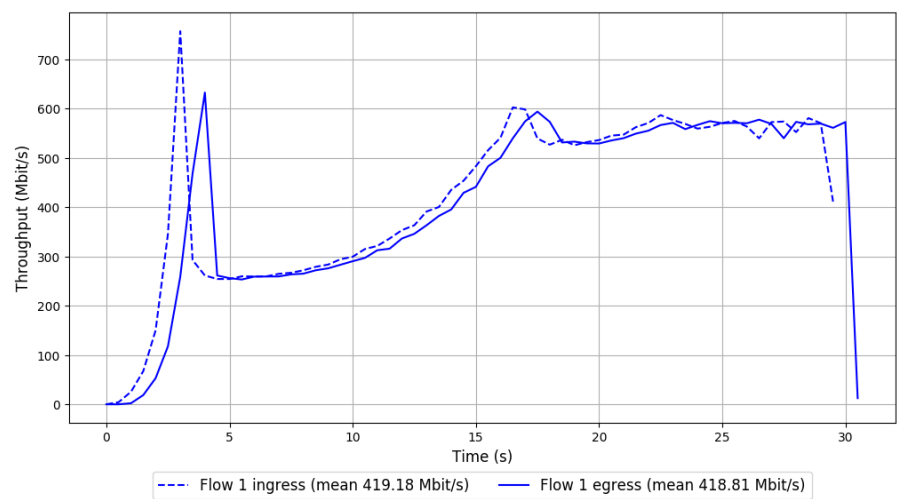
-- Flow 1:

Average throughput: 418.81 Mbit/s

95th percentile per-packet one-way delay: 170.523 ms

Loss rate: 0.09%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-25 10:25:53

End at: 2018-07-25 10:26:23

Local clock offset: 0.132 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2018-07-25 14:13:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 416.65 Mbit/s

95th percentile per-packet one-way delay: 158.943 ms

Loss rate: 0.33%

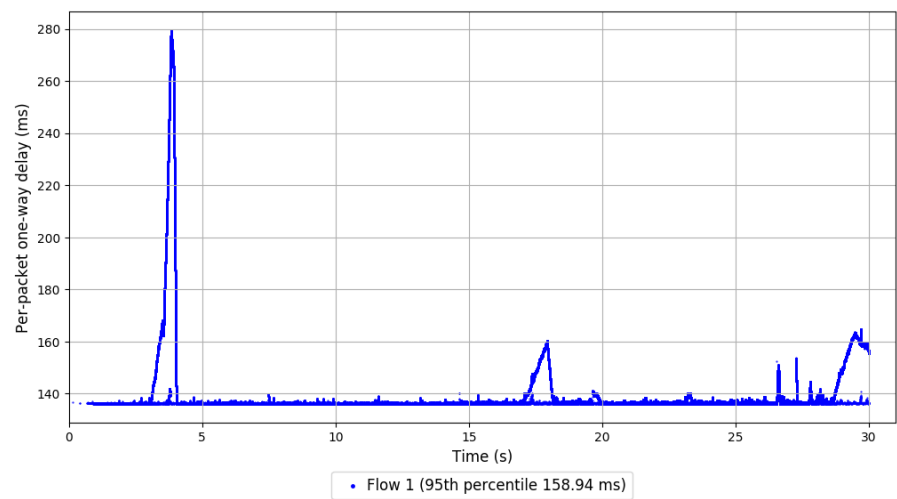
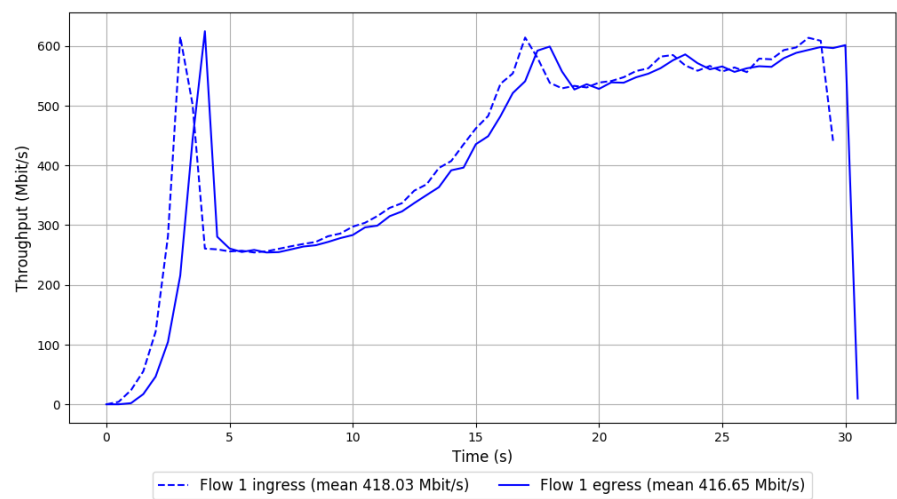
-- Flow 1:

Average throughput: 416.65 Mbit/s

95th percentile per-packet one-way delay: 158.943 ms

Loss rate: 0.33%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-25 10:48:49

End at: 2018-07-25 10:49:19

Local clock offset: -0.229 ms

Remote clock offset: 0.382 ms

Below is generated by plot.py at 2018-07-25 14:13:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 412.63 Mbit/s

95th percentile per-packet one-way delay: 202.624 ms

Loss rate: 0.41%

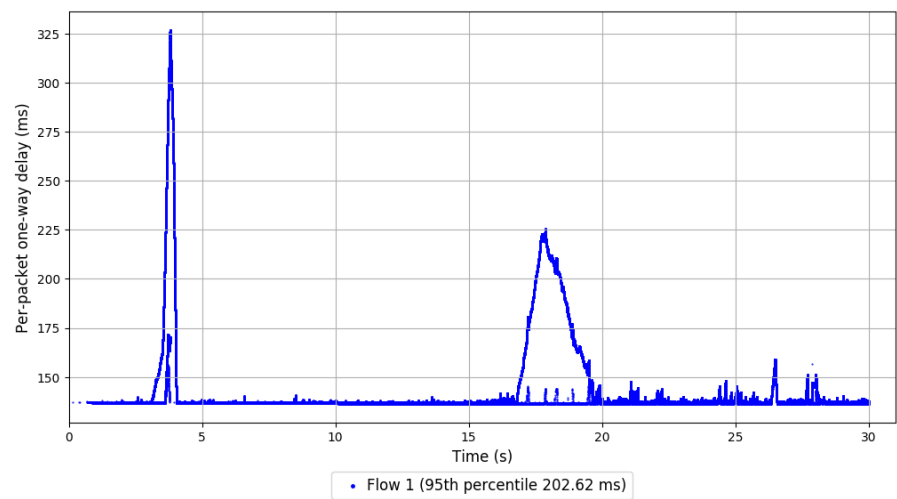
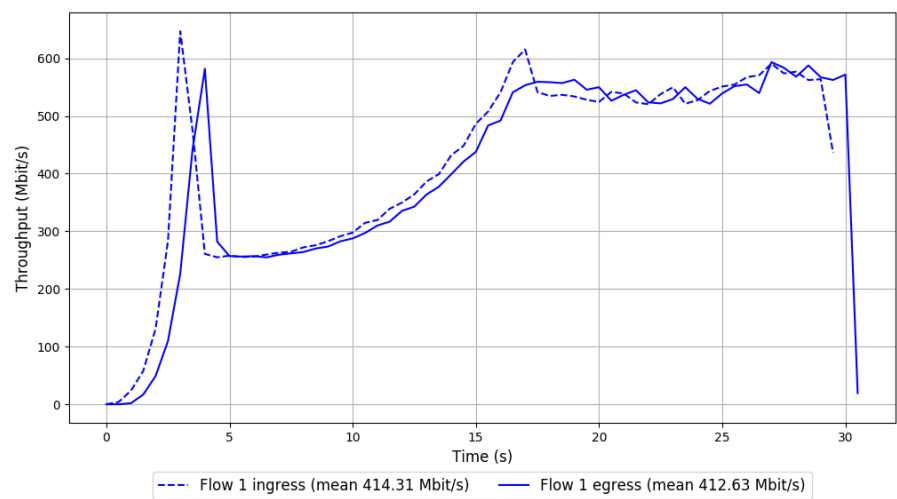
-- Flow 1:

Average throughput: 412.63 Mbit/s

95th percentile per-packet one-way delay: 202.624 ms

Loss rate: 0.41%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-25 11:11:57

End at: 2018-07-25 11:12:27

Local clock offset: 0.051 ms

Remote clock offset: -0.38 ms

Below is generated by plot.py at 2018-07-25 14:17:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 381.32 Mbit/s

95th percentile per-packet one-way delay: 276.010 ms

Loss rate: 0.61%

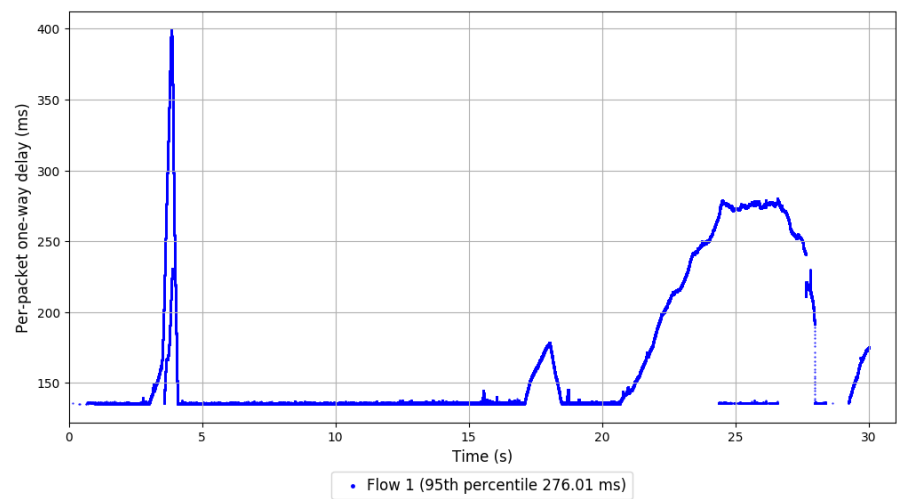
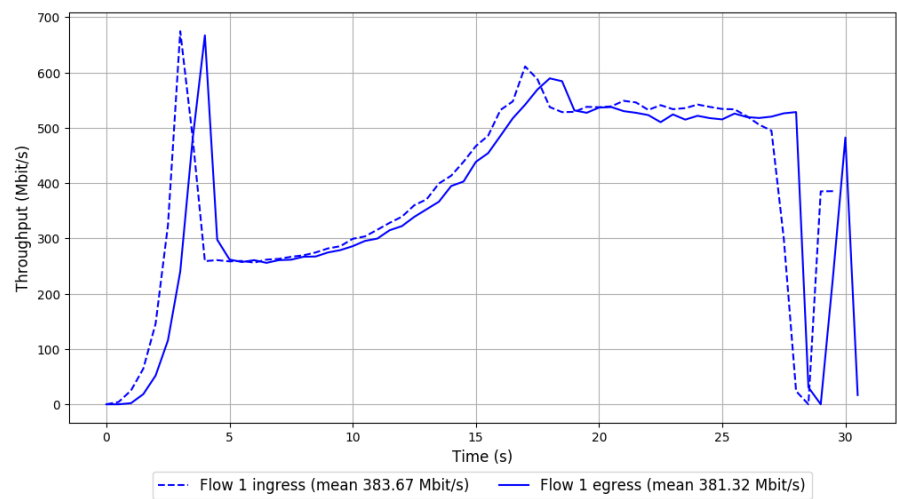
-- Flow 1:

Average throughput: 381.32 Mbit/s

95th percentile per-packet one-way delay: 276.010 ms

Loss rate: 0.61%

Run 6: Report of PCC-Allegro — Data Link

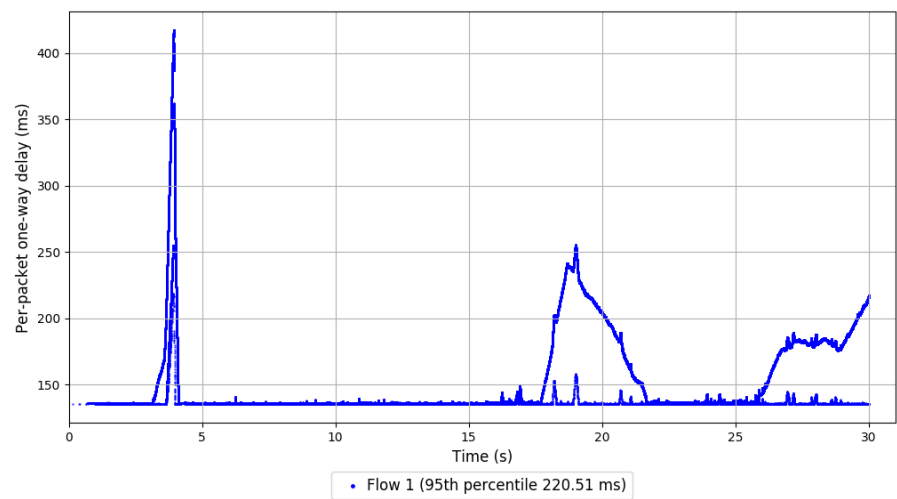
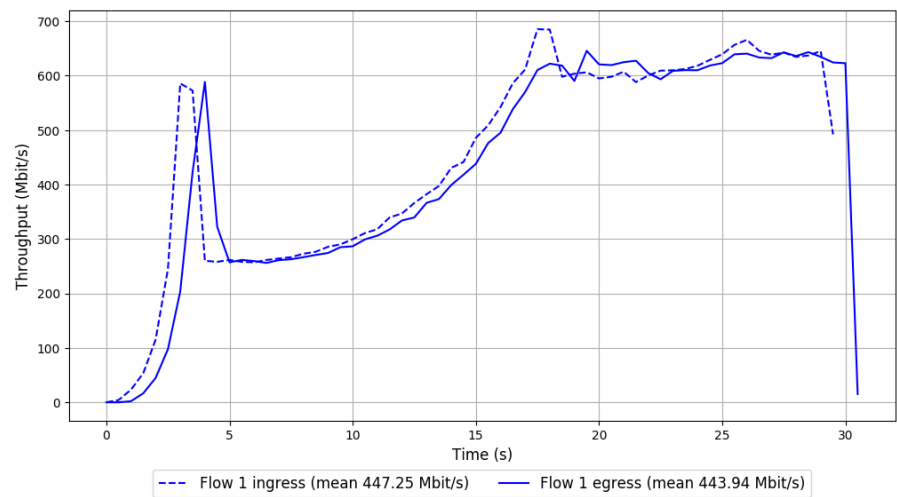


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-25 11:34:27
End at: 2018-07-25 11:34:57
Local clock offset: 0.28 ms
Remote clock offset: -0.356 ms

Below is generated by plot.py at 2018-07-25 14:19:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 443.94 Mbit/s
95th percentile per-packet one-way delay: 220.507 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 443.94 Mbit/s
95th percentile per-packet one-way delay: 220.507 ms
Loss rate: 0.74%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-25 11:57:24

End at: 2018-07-25 11:57:54

Local clock offset: 0.051 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-07-25 14:21:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 497.68 Mbit/s

95th percentile per-packet one-way delay: 233.796 ms

Loss rate: 1.43%

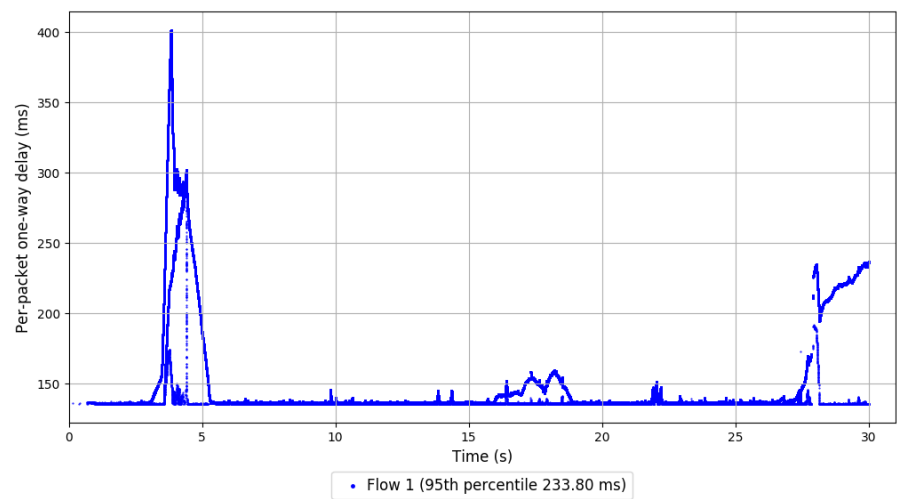
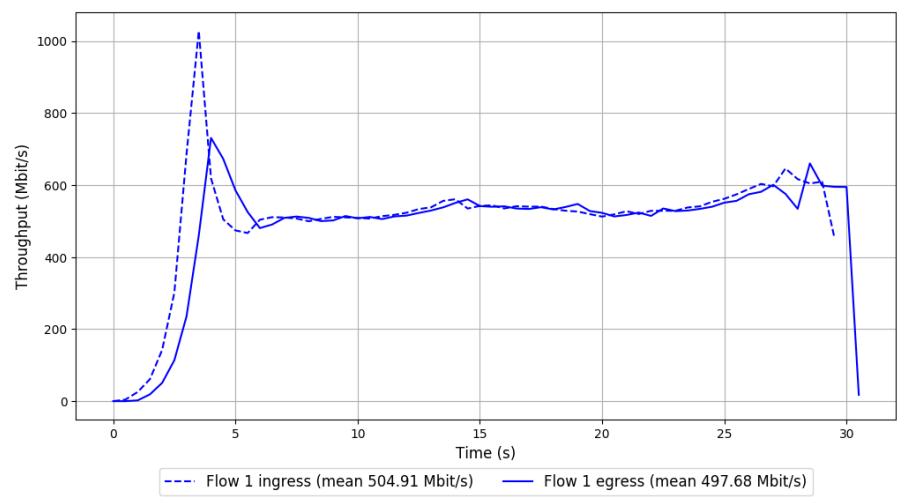
-- Flow 1:

Average throughput: 497.68 Mbit/s

95th percentile per-packet one-way delay: 233.796 ms

Loss rate: 1.43%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-25 12:20:27

End at: 2018-07-25 12:20:57

Local clock offset: 0.064 ms

Remote clock offset: 0.367 ms

Below is generated by plot.py at 2018-07-25 14:21:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 492.83 Mbit/s

95th percentile per-packet one-way delay: 237.670 ms

Loss rate: 1.69%

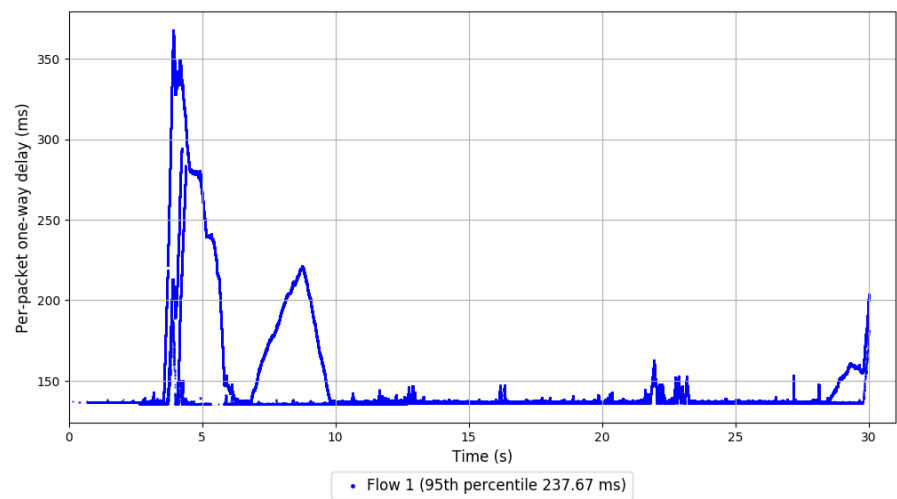
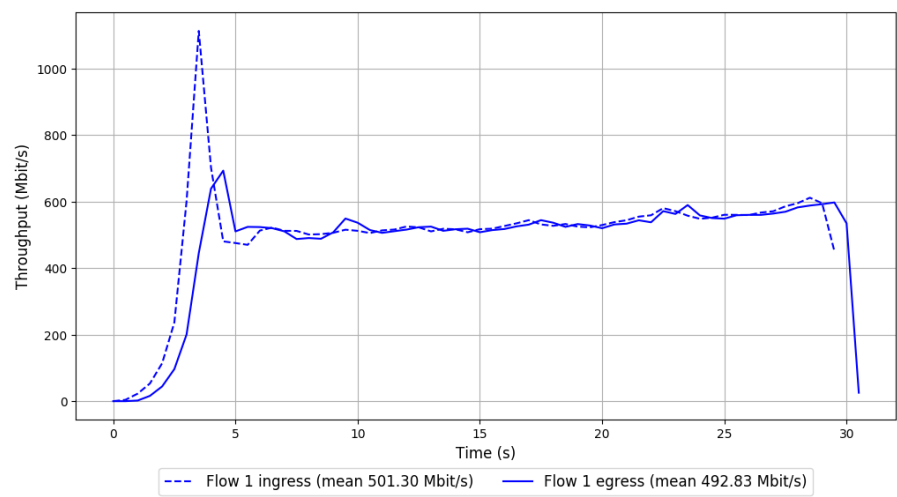
-- Flow 1:

Average throughput: 492.83 Mbit/s

95th percentile per-packet one-way delay: 237.670 ms

Loss rate: 1.69%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-25 12:43:19

End at: 2018-07-25 12:43:49

Local clock offset: -0.179 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-07-25 14:22:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 520.55 Mbit/s

95th percentile per-packet one-way delay: 272.108 ms

Loss rate: 2.33%

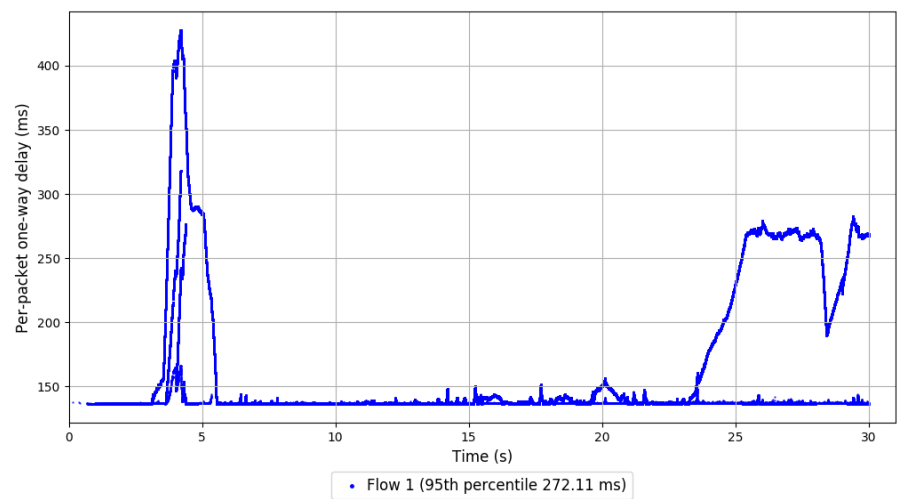
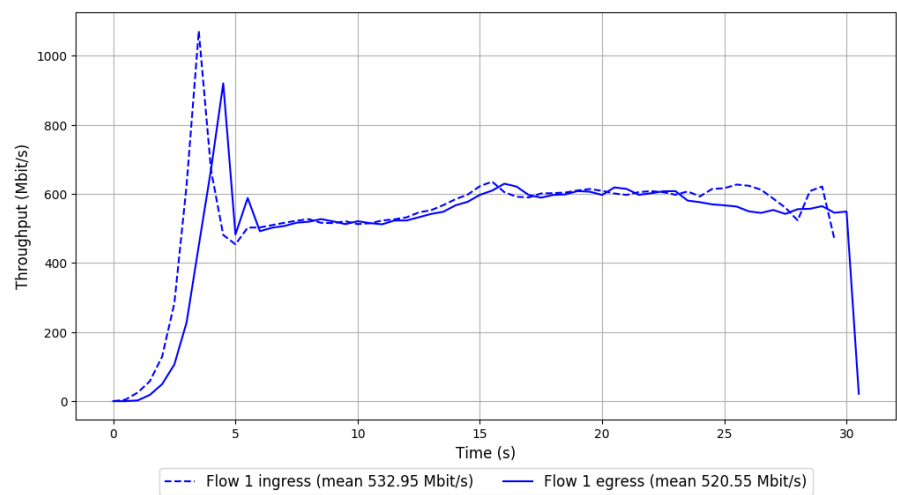
-- Flow 1:

Average throughput: 520.55 Mbit/s

95th percentile per-packet one-way delay: 272.108 ms

Loss rate: 2.33%

Run 10: Report of PCC-Allegro — Data Link

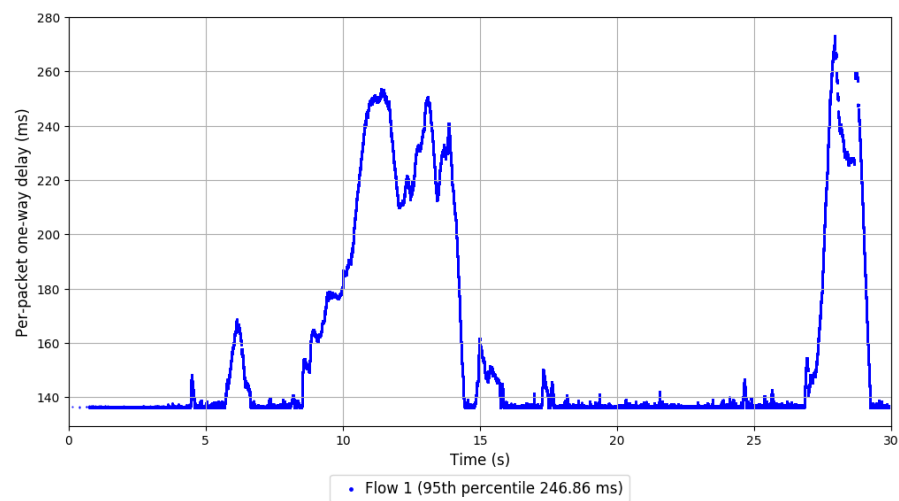
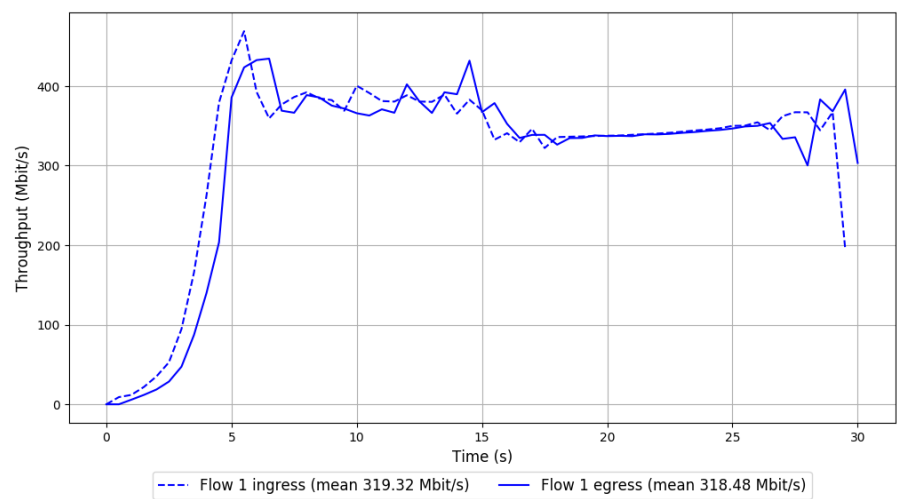


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-25 09:02:26
End at: 2018-07-25 09:02:56
Local clock offset: 0.014 ms
Remote clock offset: 0.023 ms

# Below is generated by plot.py at 2018-07-25 14:24:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 318.48 Mbit/s
95th percentile per-packet one-way delay: 246.862 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 318.48 Mbit/s
95th percentile per-packet one-way delay: 246.862 ms
Loss rate: 0.27%
```


Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-07-25 09:25:17

End at: 2018-07-25 09:25:47

Local clock offset: -0.199 ms

Remote clock offset: 0.087 ms

Below is generated by plot.py at 2018-07-25 14:24:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 274.60 Mbit/s

95th percentile per-packet one-way delay: 236.815 ms

Loss rate: 0.73%

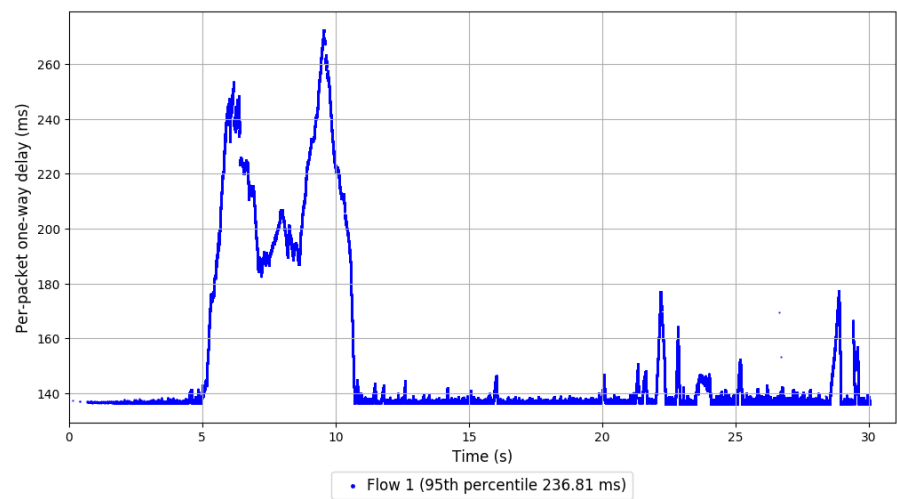
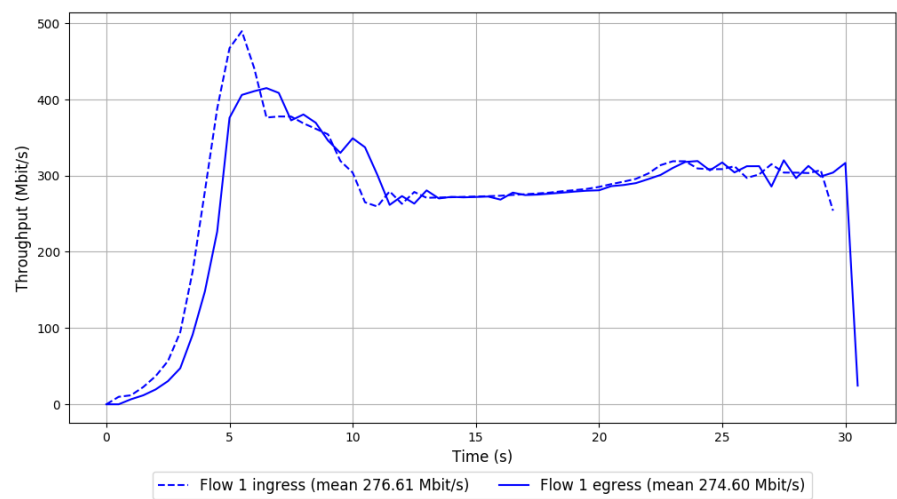
-- Flow 1:

Average throughput: 274.60 Mbit/s

95th percentile per-packet one-way delay: 236.815 ms

Loss rate: 0.73%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-25 09:48:08

End at: 2018-07-25 09:48:38

Local clock offset: -0.047 ms

Remote clock offset: 0.108 ms

Below is generated by plot.py at 2018-07-25 14:26:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 308.75 Mbit/s

95th percentile per-packet one-way delay: 208.197 ms

Loss rate: 0.13%

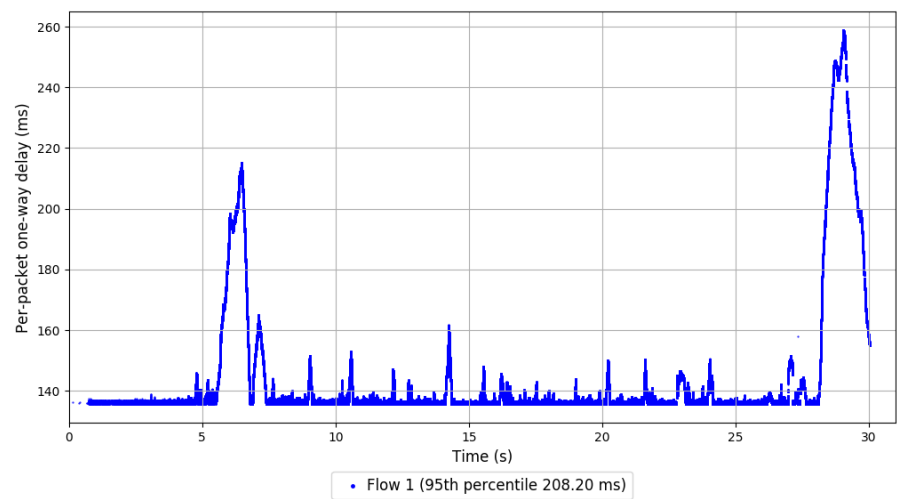
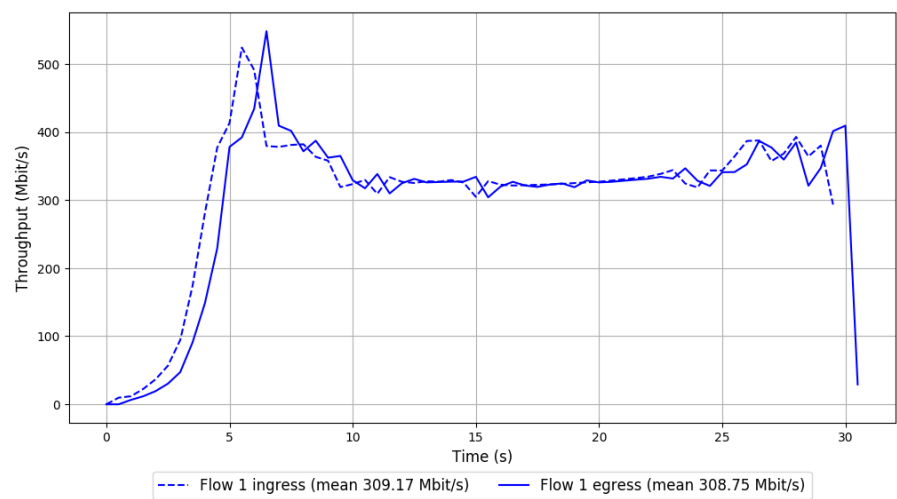
-- Flow 1:

Average throughput: 308.75 Mbit/s

95th percentile per-packet one-way delay: 208.197 ms

Loss rate: 0.13%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-25 10:11:16

End at: 2018-07-25 10:11:46

Local clock offset: -0.124 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2018-07-25 14:26:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 184.08 Mbit/s

95th percentile per-packet one-way delay: 136.616 ms

Loss rate: 0.00%

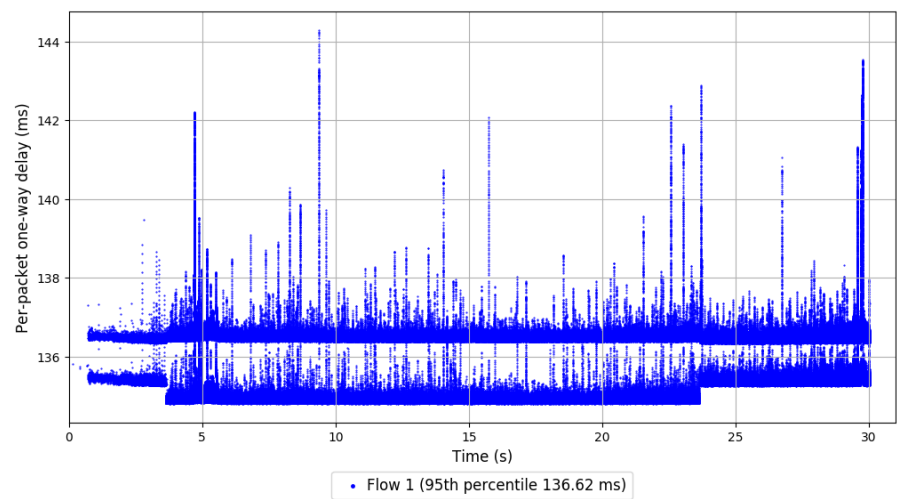
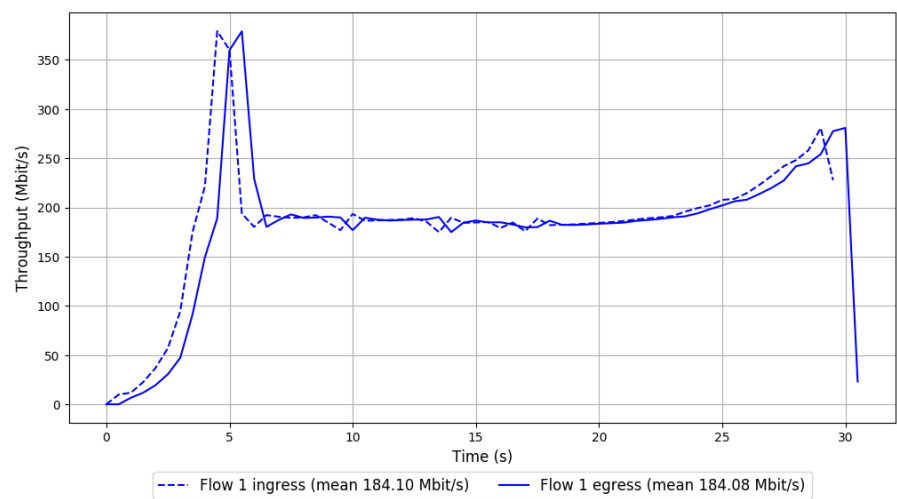
-- Flow 1:

Average throughput: 184.08 Mbit/s

95th percentile per-packet one-way delay: 136.616 ms

Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-25 10:33:36

End at: 2018-07-25 10:34:06

Local clock offset: 0.23 ms

Remote clock offset: 0.428 ms

Below is generated by plot.py at 2018-07-25 14:34:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 338.72 Mbit/s

95th percentile per-packet one-way delay: 250.699 ms

Loss rate: 2.00%

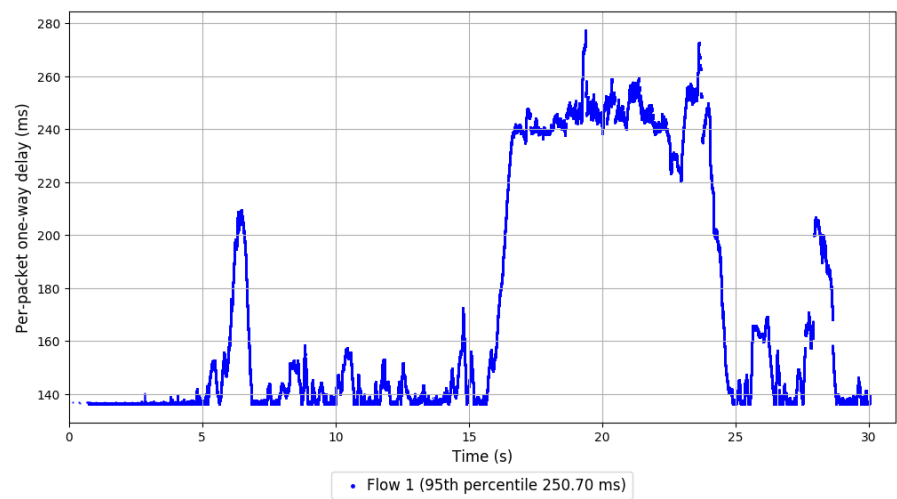
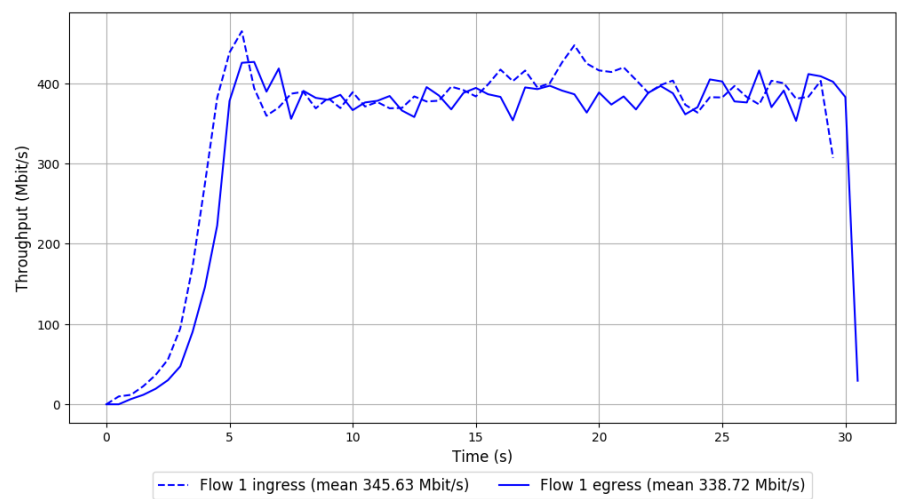
-- Flow 1:

Average throughput: 338.72 Mbit/s

95th percentile per-packet one-way delay: 250.699 ms

Loss rate: 2.00%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-25 10:56:45

End at: 2018-07-25 10:57:15

Local clock offset: 0.099 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-25 14:35:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 325.26 Mbit/s

95th percentile per-packet one-way delay: 231.437 ms

Loss rate: 0.73%

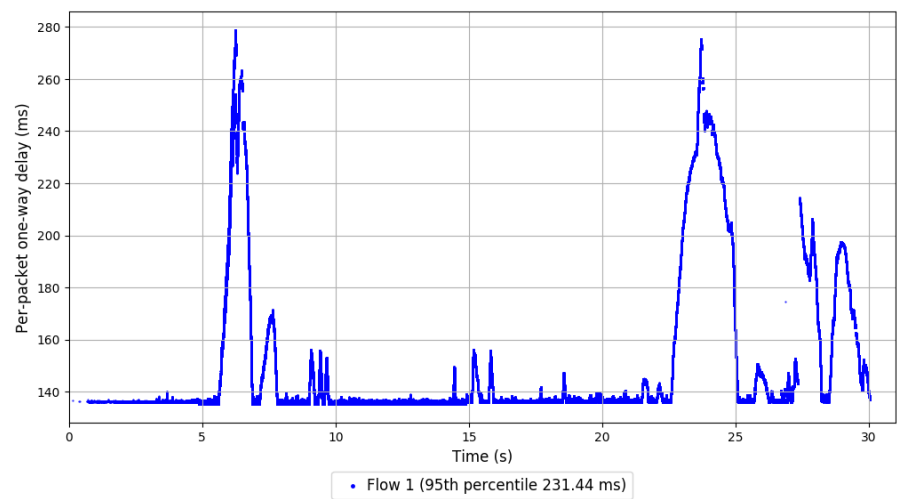
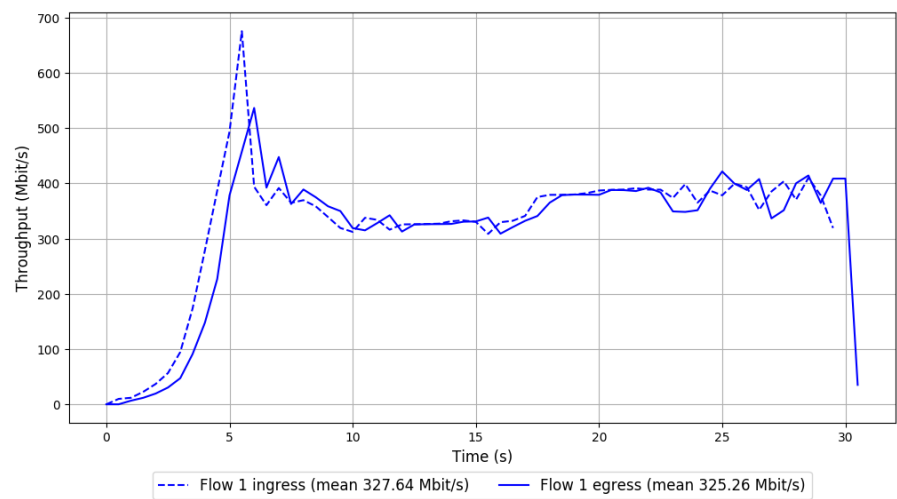
-- Flow 1:

Average throughput: 325.26 Mbit/s

95th percentile per-packet one-way delay: 231.437 ms

Loss rate: 0.73%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-25 11:19:35

End at: 2018-07-25 11:20:05

Local clock offset: 0.062 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-25 14:35:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 306.75 Mbit/s

95th percentile per-packet one-way delay: 324.508 ms

Loss rate: 0.56%

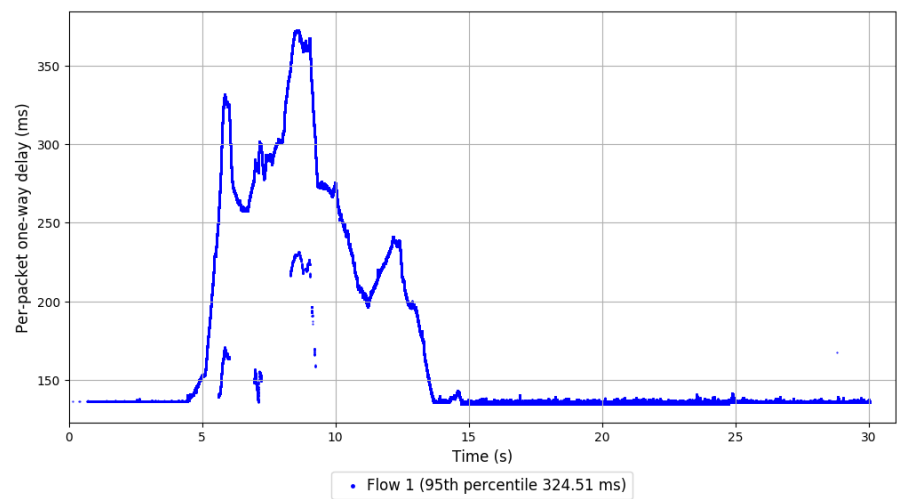
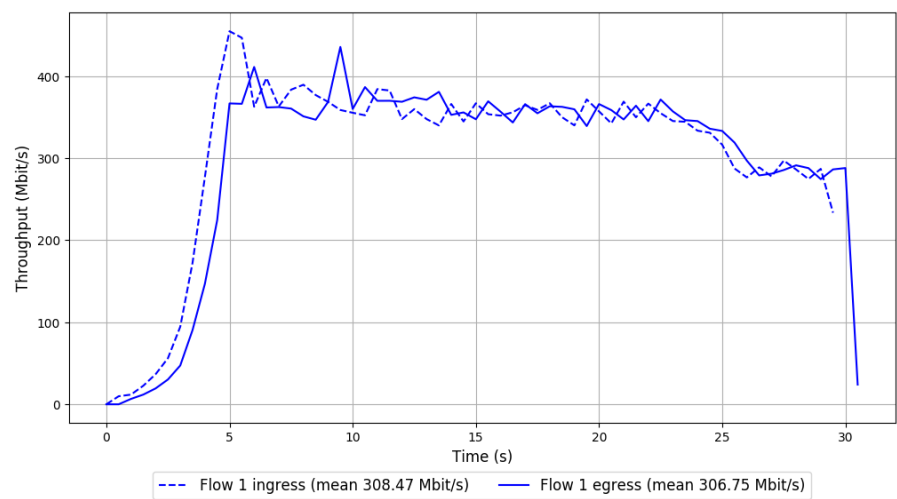
-- Flow 1:

Average throughput: 306.75 Mbit/s

95th percentile per-packet one-way delay: 324.508 ms

Loss rate: 0.56%

Run 7: Report of PCC-Expr — Data Link

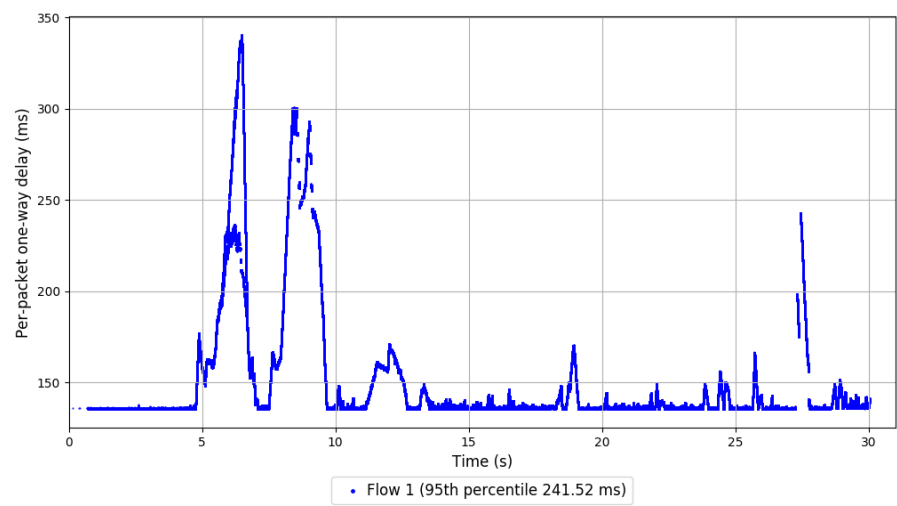
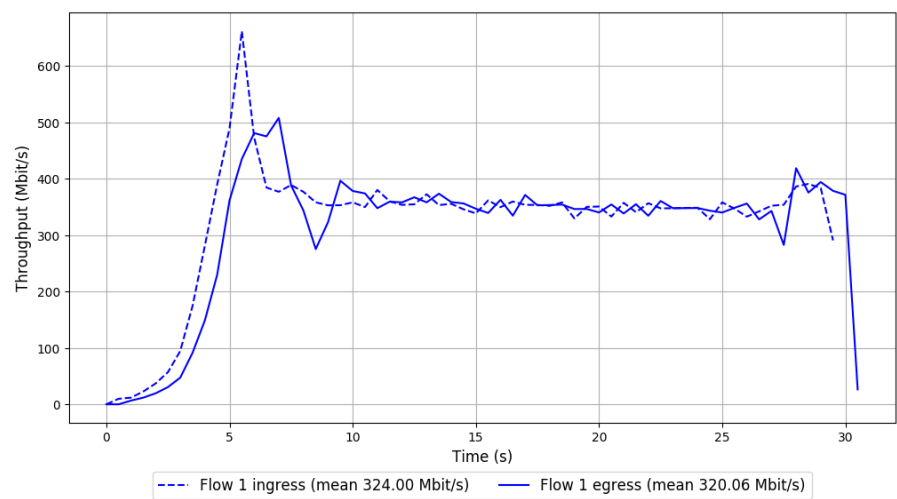


Run 8: Statistics of PCC-Expr

Start at: 2018-07-25 11:42:11
End at: 2018-07-25 11:42:41
Local clock offset: 0.146 ms
Remote clock offset: -0.426 ms

Below is generated by plot.py at 2018-07-25 14:35:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 320.06 Mbit/s
95th percentile per-packet one-way delay: 241.524 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 320.06 Mbit/s
95th percentile per-packet one-way delay: 241.524 ms
Loss rate: 1.21%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-25 12:05:14

End at: 2018-07-25 12:05:44

Local clock offset: -0.285 ms

Remote clock offset: 0.42 ms

Below is generated by plot.py at 2018-07-25 14:35:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 277.56 Mbit/s

95th percentile per-packet one-way delay: 181.633 ms

Loss rate: 0.00%

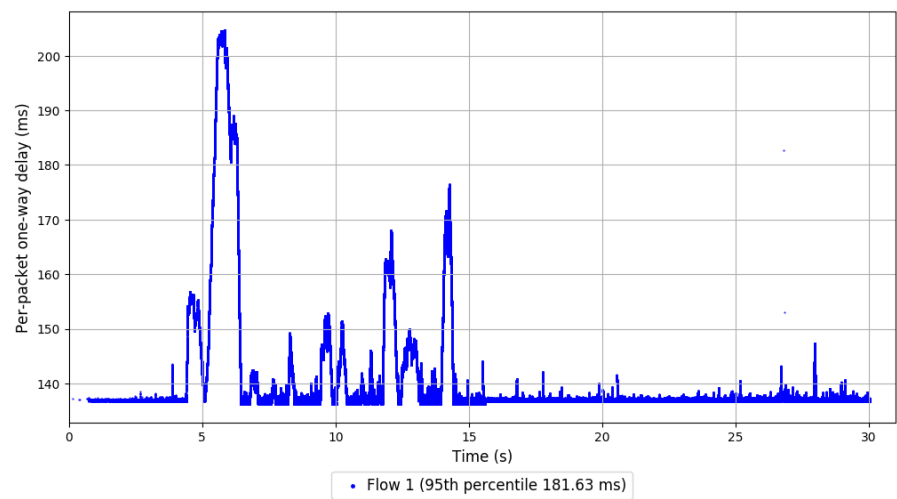
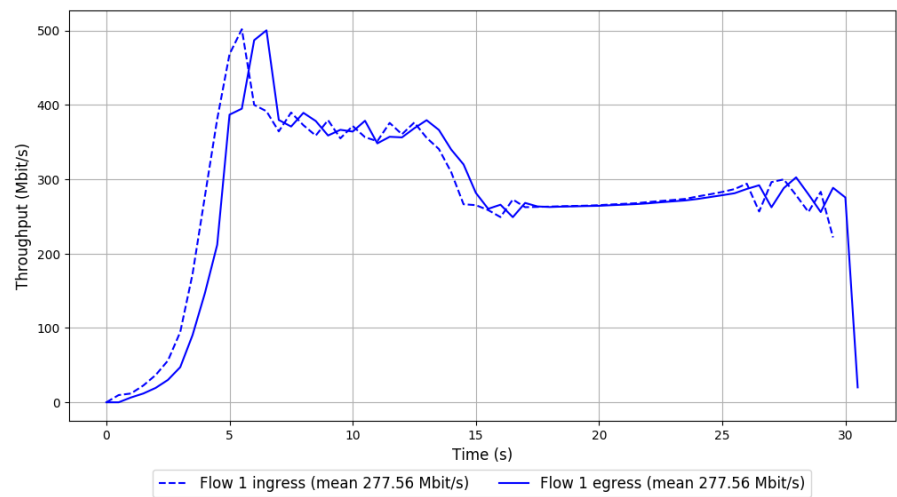
-- Flow 1:

Average throughput: 277.56 Mbit/s

95th percentile per-packet one-way delay: 181.633 ms

Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-25 12:28:25

End at: 2018-07-25 12:28:56

Local clock offset: 0.27 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-25 14:37:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 313.50 Mbit/s

95th percentile per-packet one-way delay: 247.779 ms

Loss rate: 1.01%

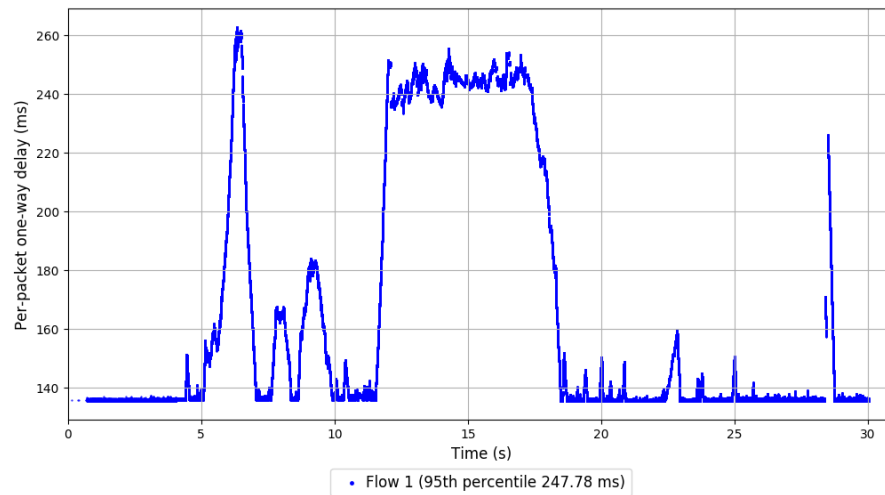
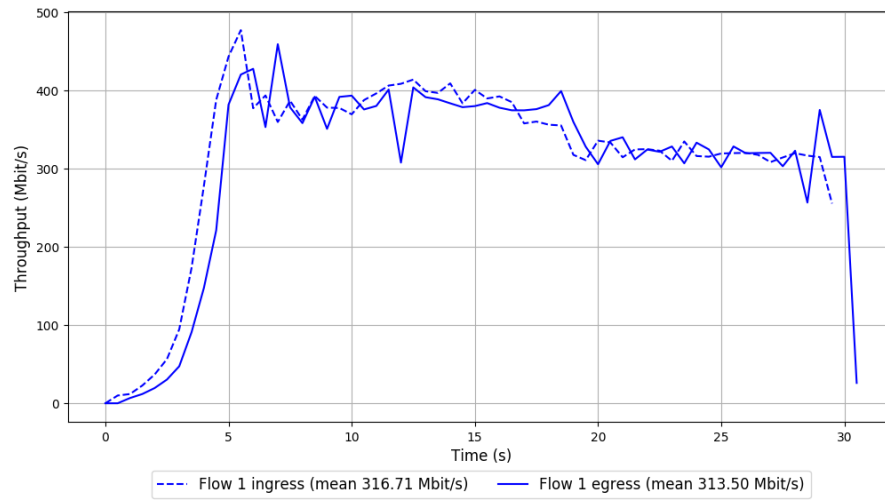
-- Flow 1:

Average throughput: 313.50 Mbit/s

95th percentile per-packet one-way delay: 247.779 ms

Loss rate: 1.01%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

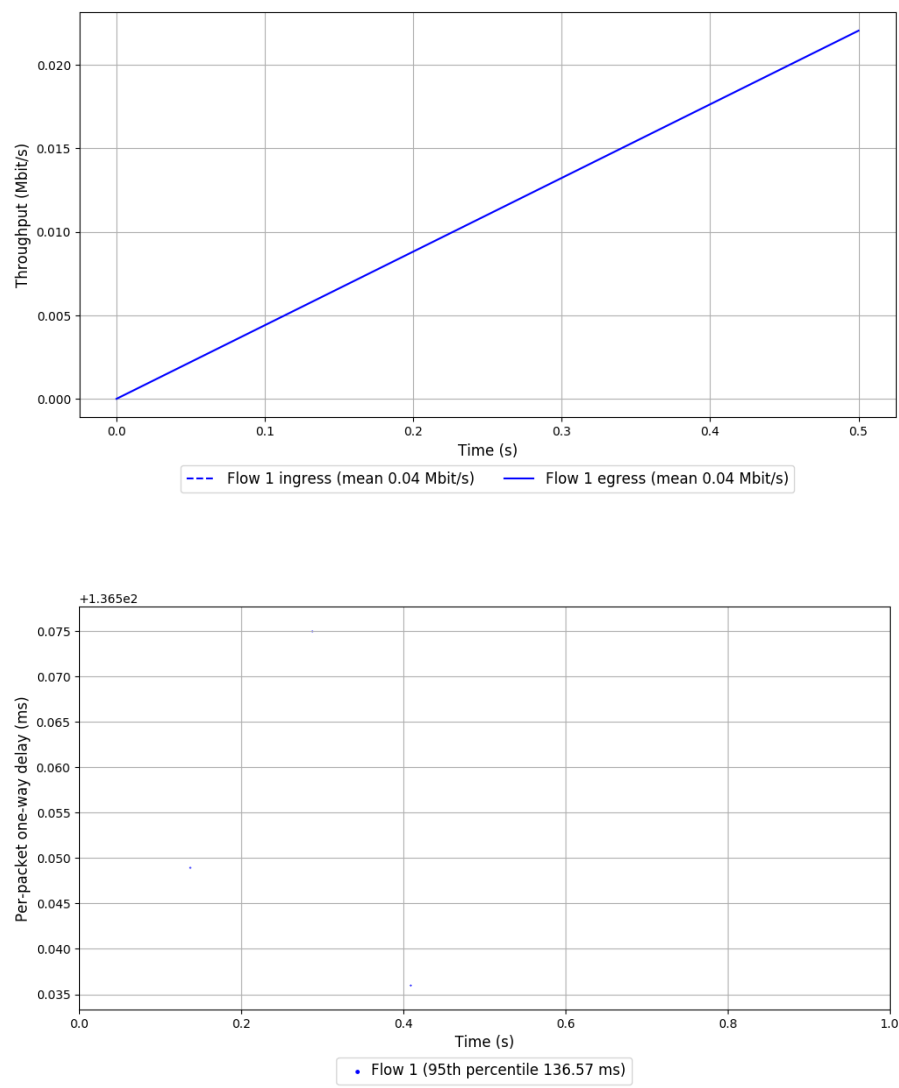
Start at: 2018-07-25 09:01:18

End at: 2018-07-25 09:01:48

Local clock offset: -0.09 ms

Remote clock offset: 0.034 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

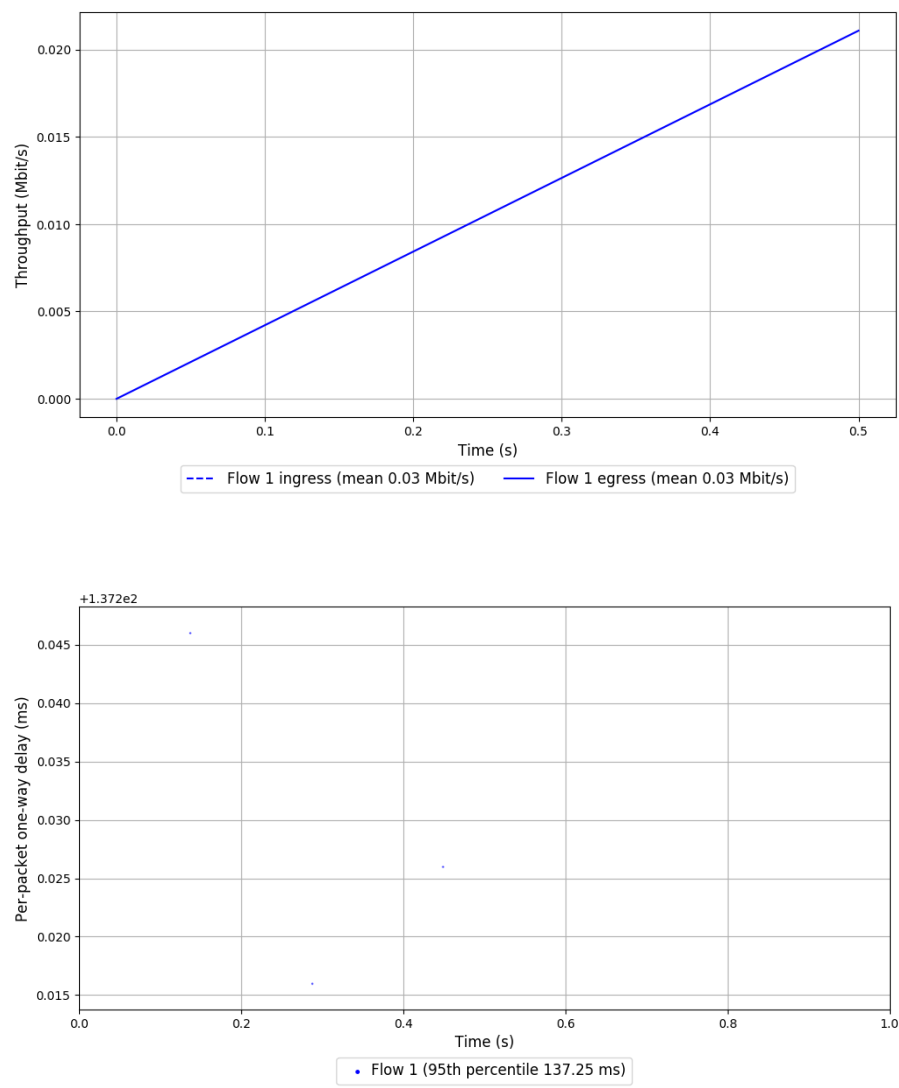
Start at: 2018-07-25 09:24:09

End at: 2018-07-25 09:24:39

Local clock offset: -0.173 ms

Remote clock offset: 0.476 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

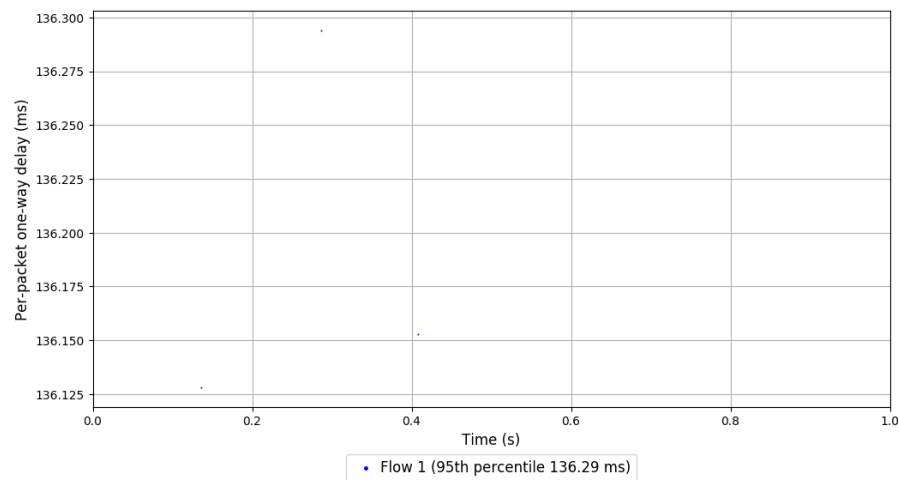
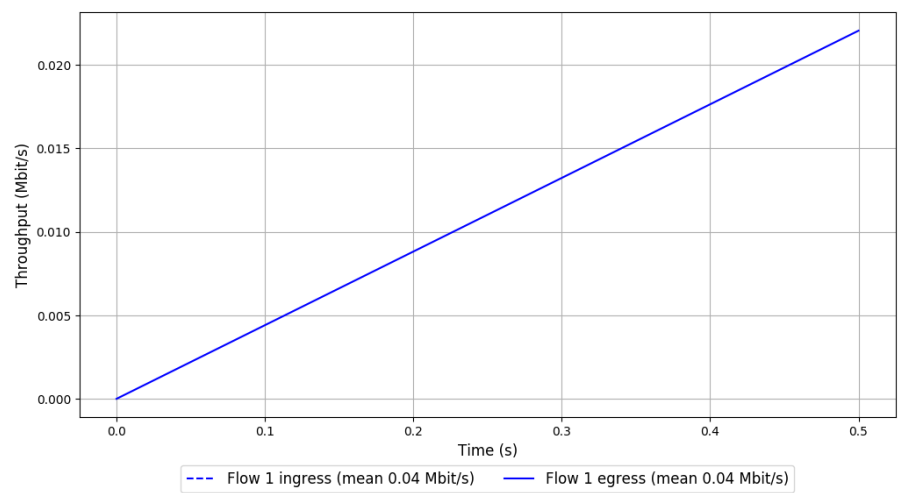
Start at: 2018-07-25 09:47:00

End at: 2018-07-25 09:47:30

Local clock offset: -0.112 ms

Remote clock offset: 0.102 ms

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

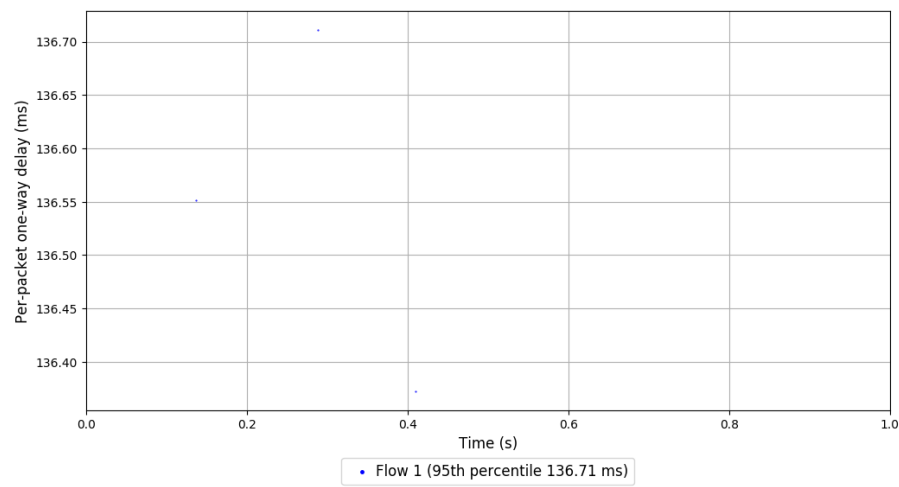
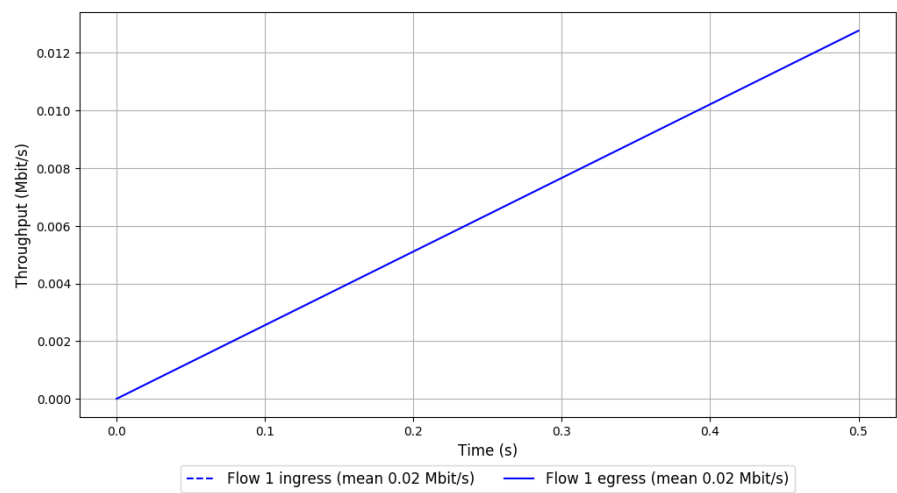
Start at: 2018-07-25 10:10:08

End at: 2018-07-25 10:10:38

Local clock offset: 0.036 ms

Remote clock offset: 0.09 ms

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

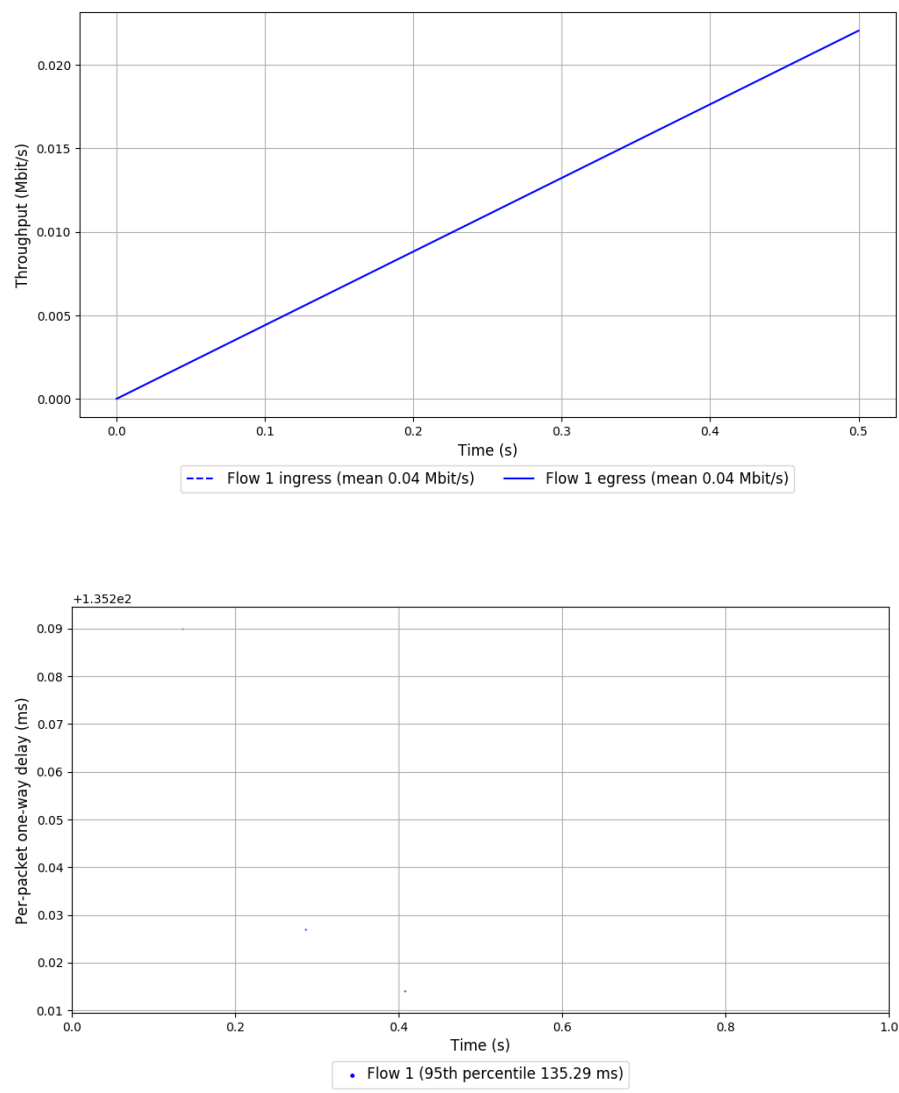
Start at: 2018-07-25 10:32:28

End at: 2018-07-25 10:32:58

Local clock offset: -0.013 ms

Remote clock offset: -0.315 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

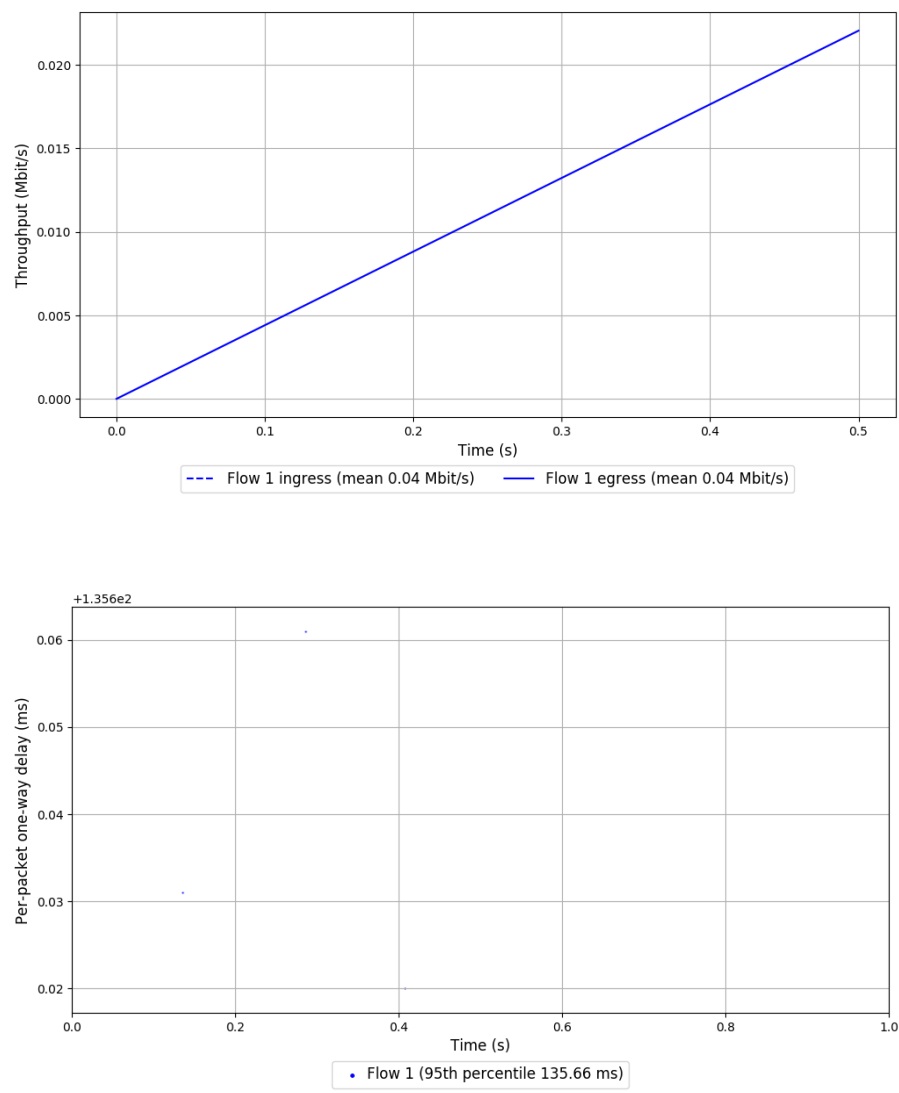
Start at: 2018-07-25 10:55:37

End at: 2018-07-25 10:56:07

Local clock offset: 0.04 ms

Remote clock offset: -0.004 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

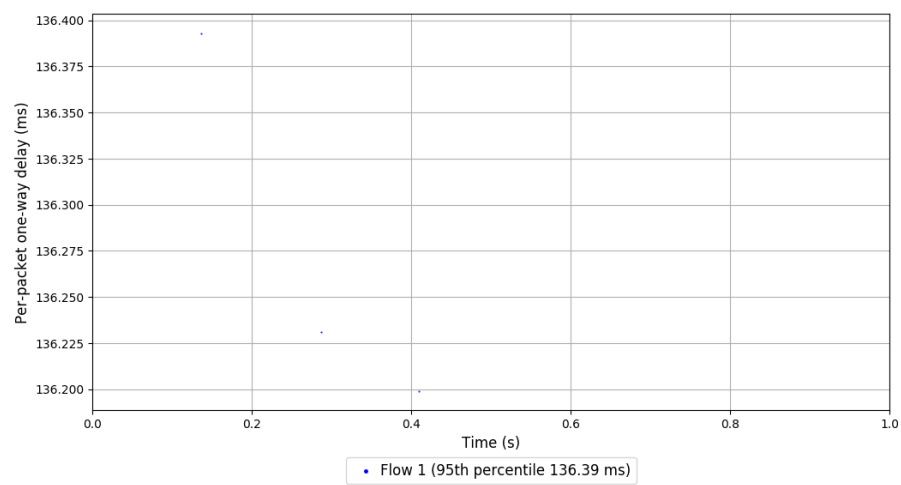
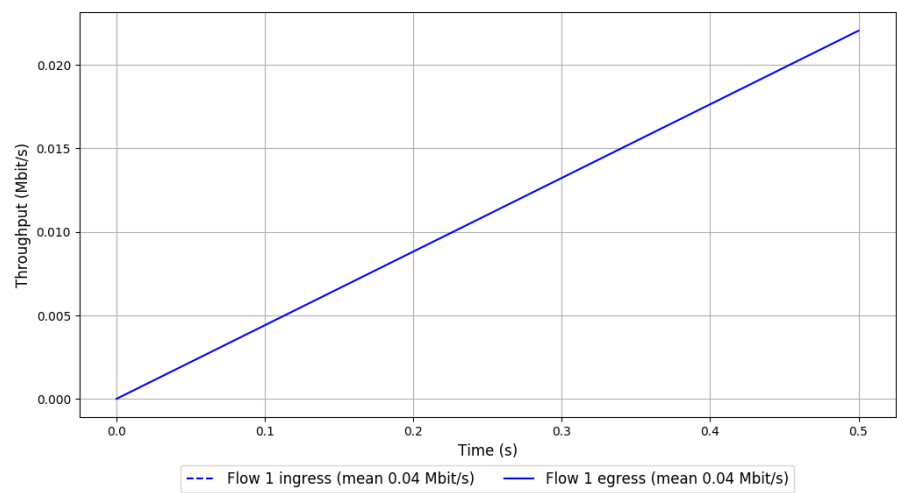
Start at: 2018-07-25 11:18:27

End at: 2018-07-25 11:18:57

Local clock offset: -0.054 ms

Remote clock offset: -0.379 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

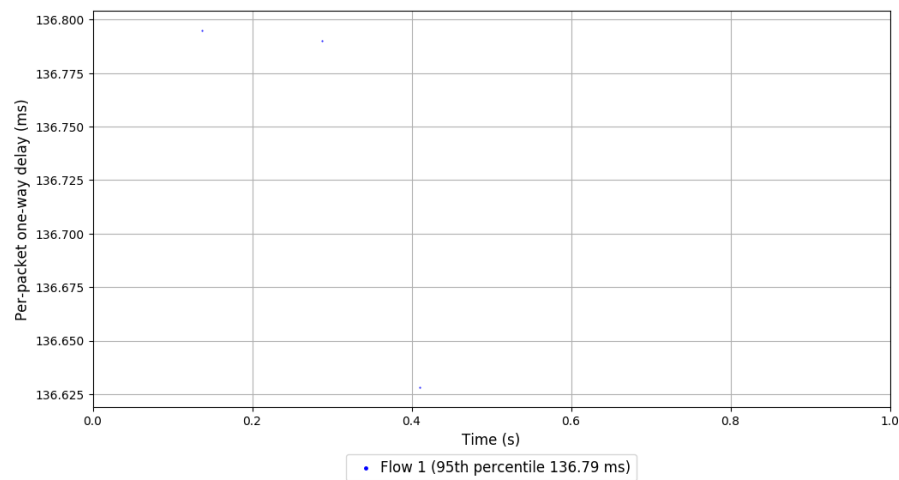
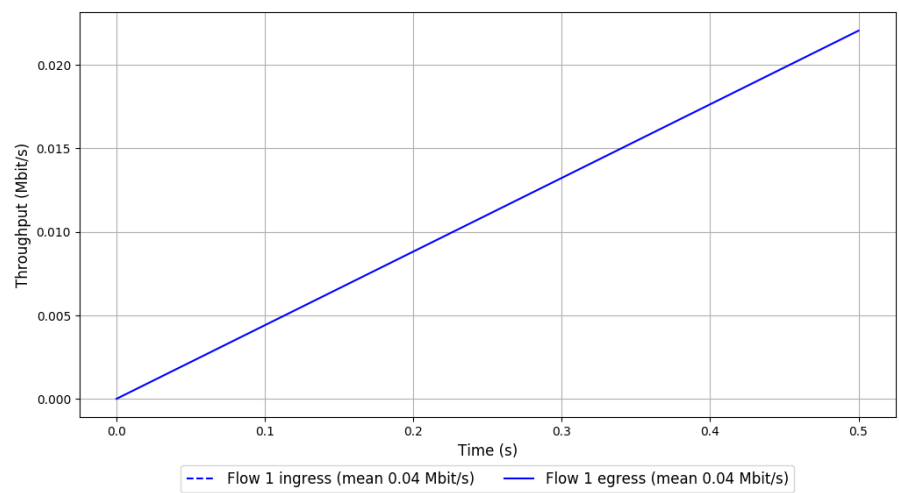
Start at: 2018-07-25 11:41:03

End at: 2018-07-25 11:41:33

Local clock offset: -0.094 ms

Remote clock offset: -0.015 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

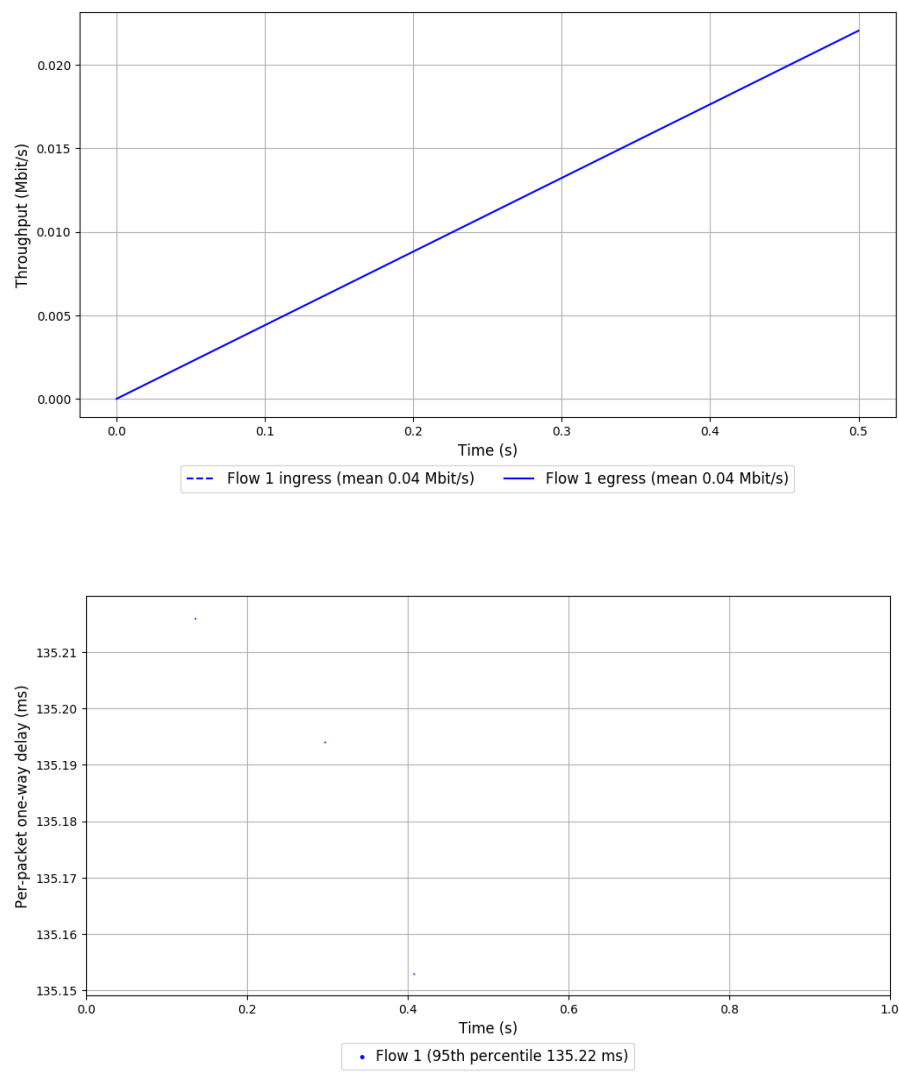
Start at: 2018-07-25 12:04:06

End at: 2018-07-25 12:04:36

Local clock offset: 0.113 ms

Remote clock offset: -0.314 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-25 12:27:13

End at: 2018-07-25 12:27:43

Local clock offset: -0.117 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-07-25 14:37:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.20 Mbit/s

95th percentile per-packet one-way delay: 136.073 ms

Loss rate: 0.00%

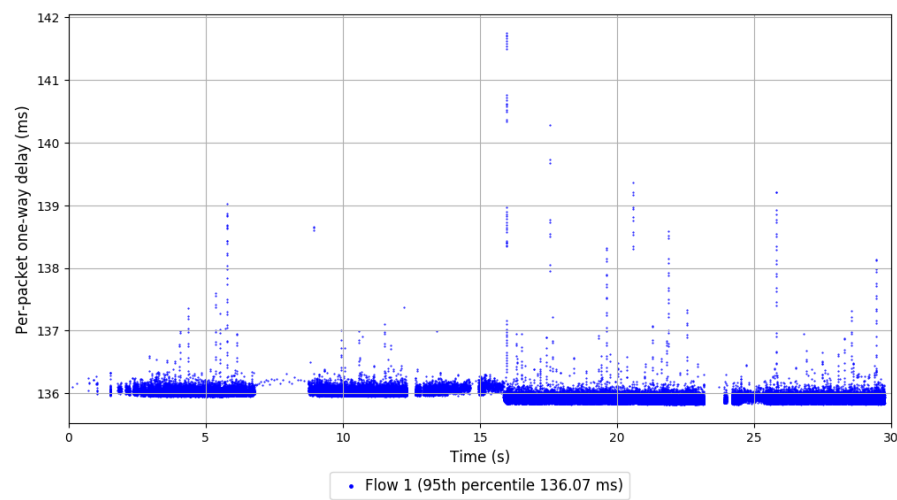
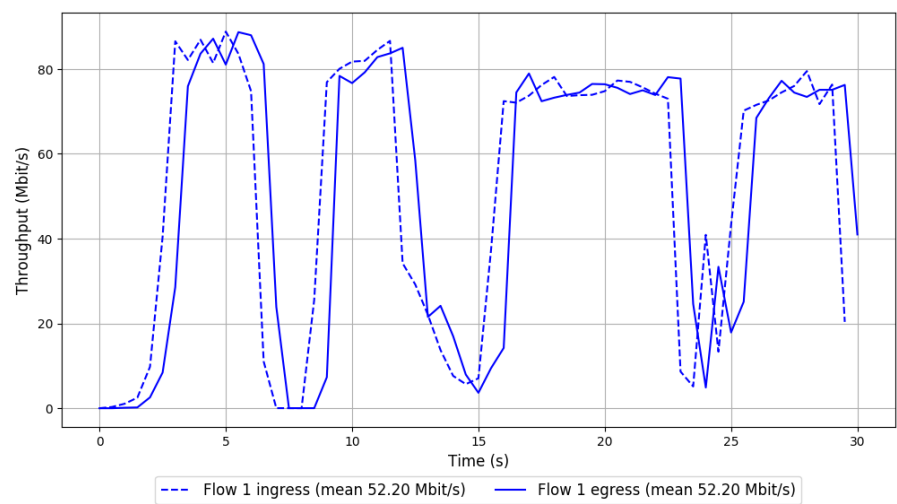
-- Flow 1:

Average throughput: 52.20 Mbit/s

95th percentile per-packet one-way delay: 136.073 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

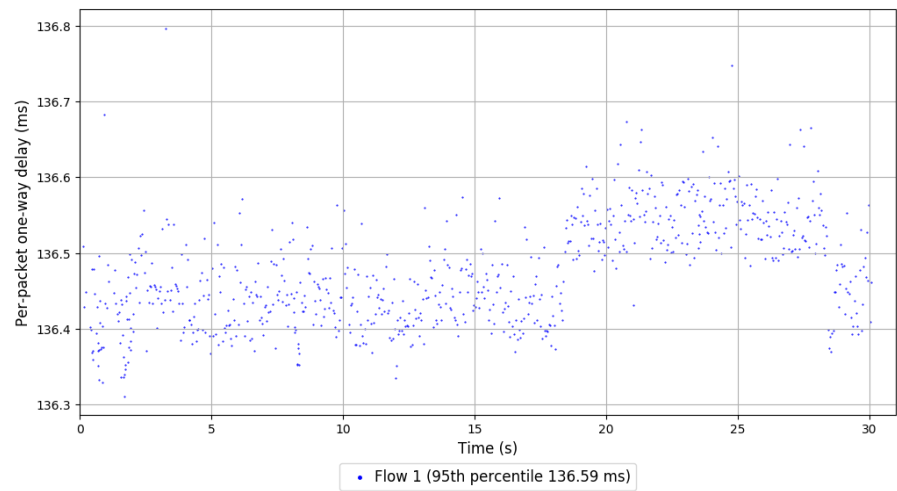
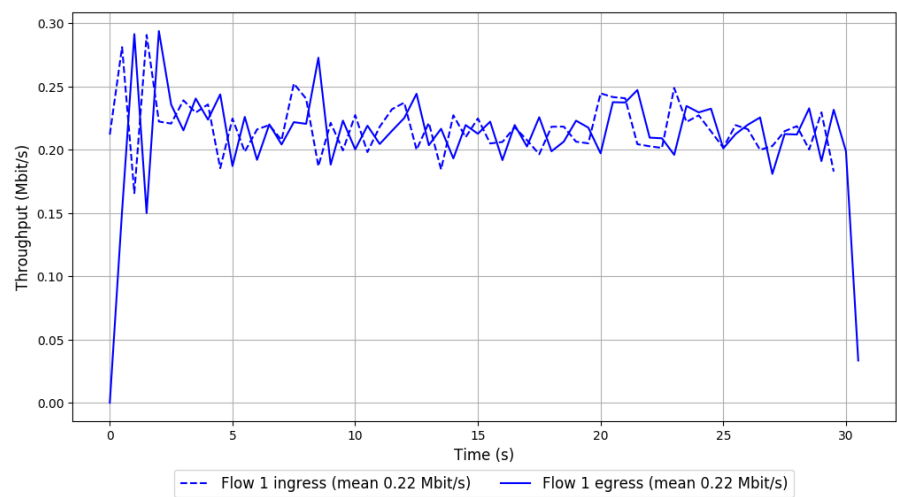


```
Run 1: Statistics of SCReAM

Start at: 2018-07-25 09:13:51
End at: 2018-07-25 09:14:21
Local clock offset: 0.022 ms
Remote clock offset: 0.067 ms

# Below is generated by plot.py at 2018-07-25 14:37:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.590 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.590 ms
Loss rate: 0.00%
```


Run 1: Report of SReAM — Data Link

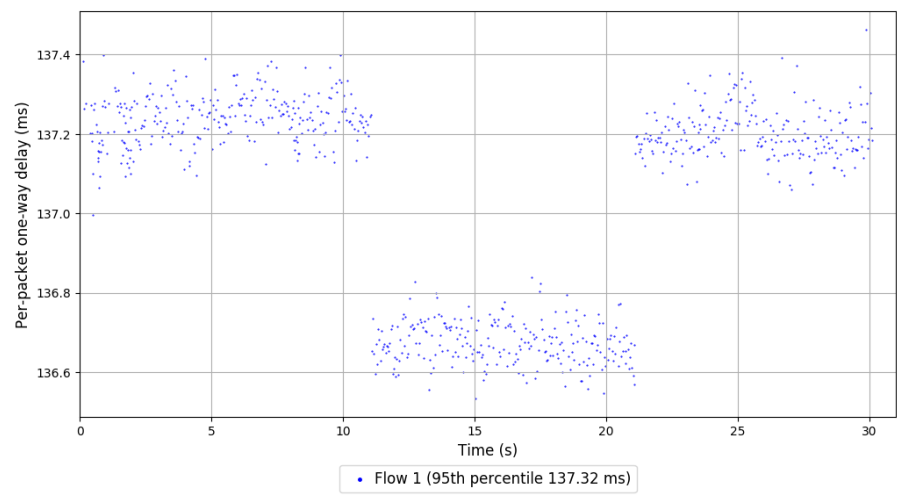
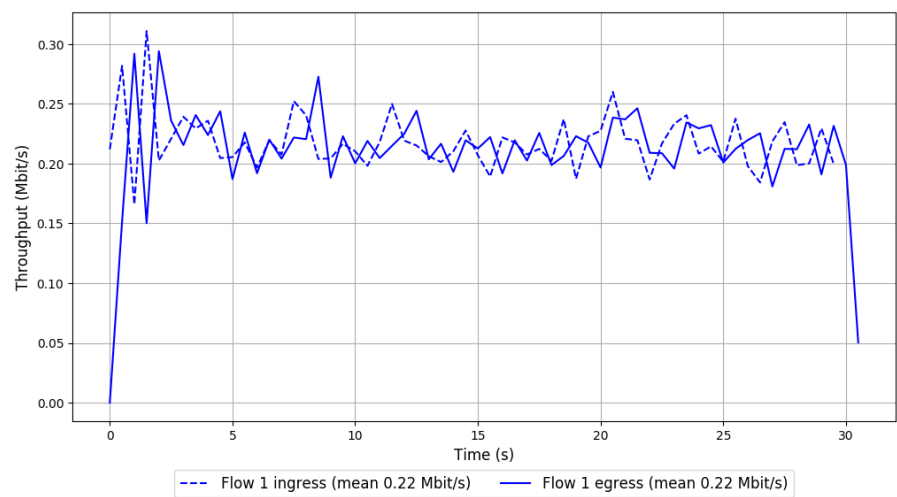


```
Run 2: Statistics of SCReAM

Start at: 2018-07-25 09:36:48
End at: 2018-07-25 09:37:18
Local clock offset: -0.146 ms
Remote clock offset: 0.488 ms

# Below is generated by plot.py at 2018-07-25 14:37:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.318 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.318 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-07-25 09:59:48

End at: 2018-07-25 10:00:18

Local clock offset: 0.183 ms

Remote clock offset: 0.451 ms

Below is generated by plot.py at 2018-07-25 14:37:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.127 ms

Loss rate: 0.13%

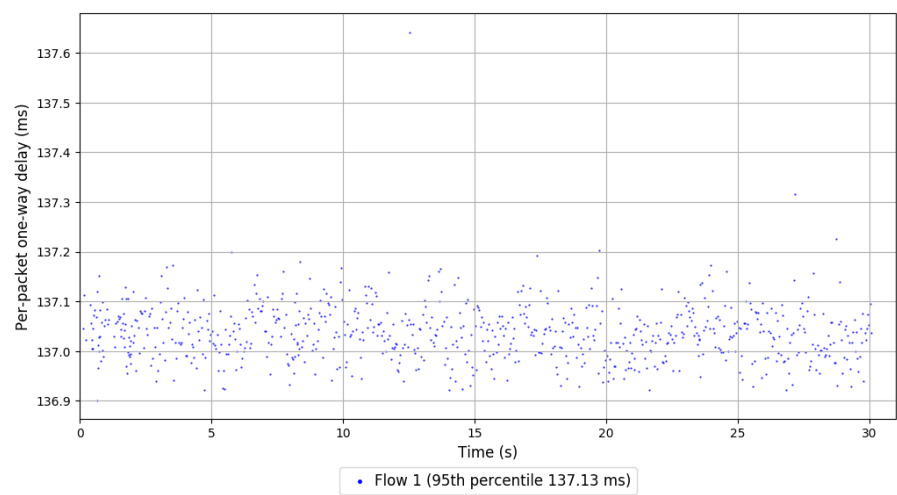
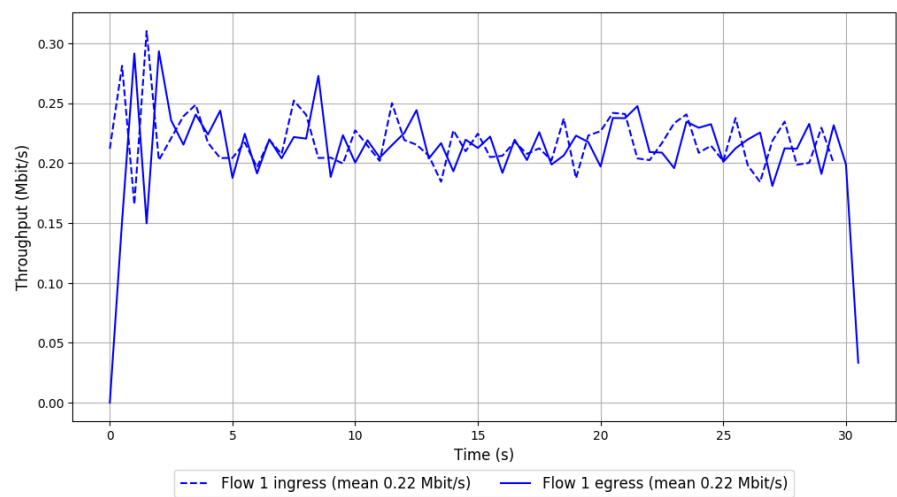
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.127 ms

Loss rate: 0.13%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-07-25 10:22:15

End at: 2018-07-25 10:22:45

Local clock offset: 0.23 ms

Remote clock offset: 0.074 ms

Below is generated by plot.py at 2018-07-25 14:37:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.350 ms

Loss rate: 0.00%

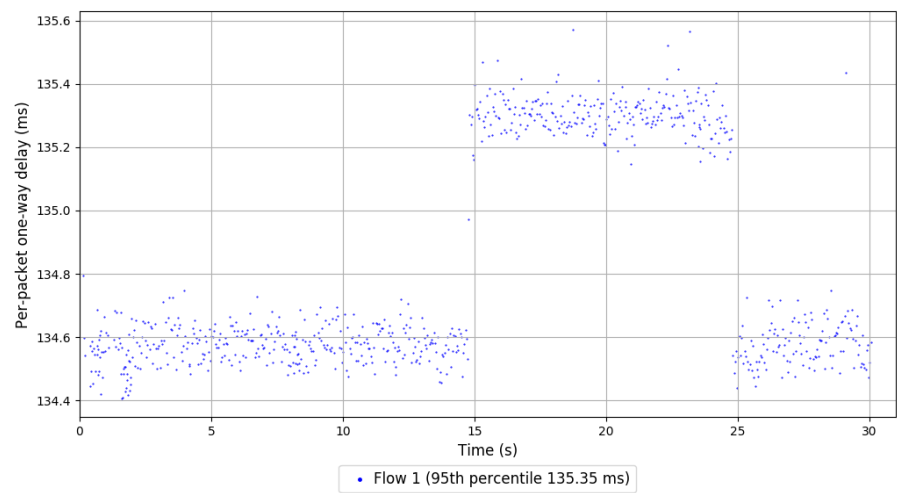
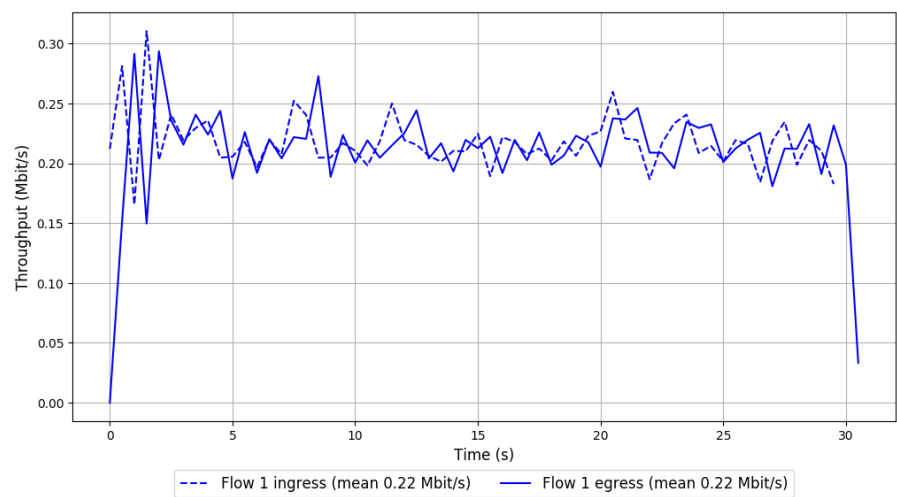
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.350 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-07-25 10:45:11

End at: 2018-07-25 10:45:41

Local clock offset: 0.096 ms

Remote clock offset: 0.361 ms

Below is generated by plot.py at 2018-07-25 14:37:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.727 ms

Loss rate: 0.00%

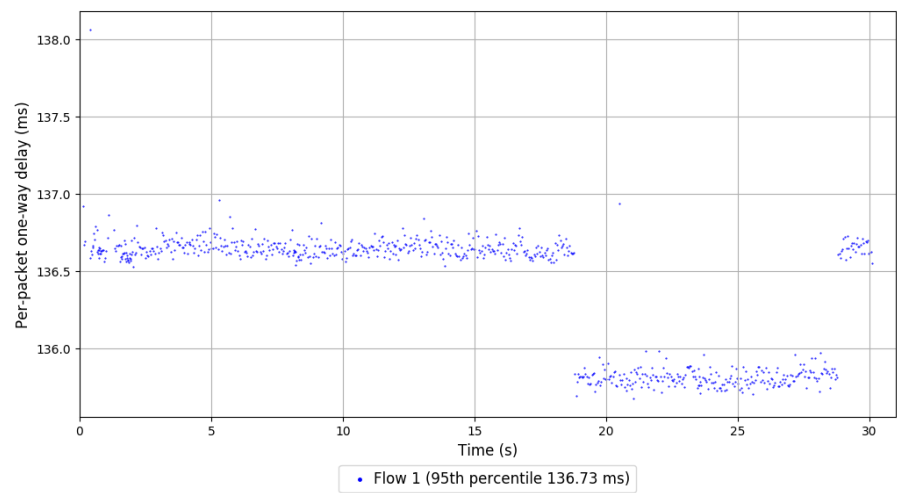
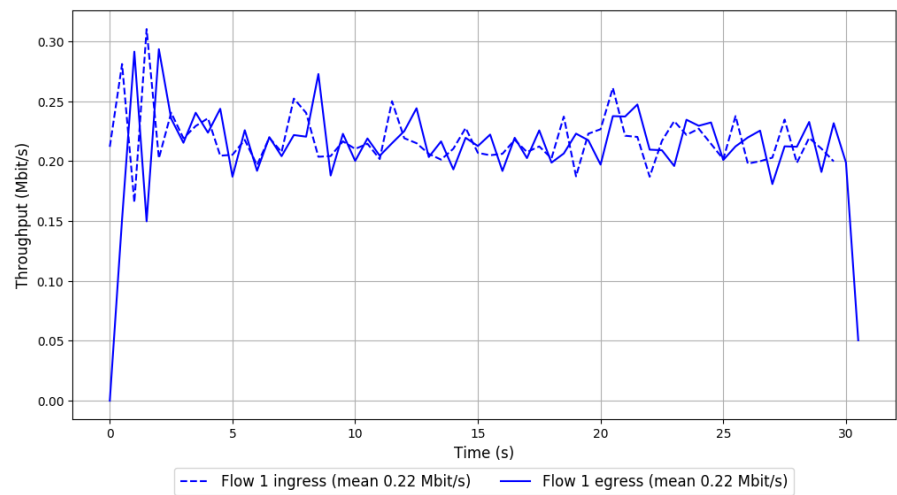
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.727 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

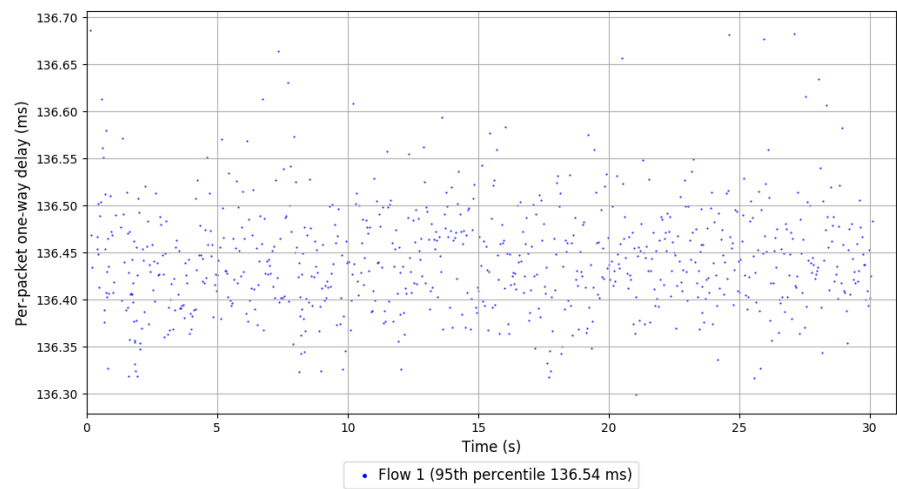
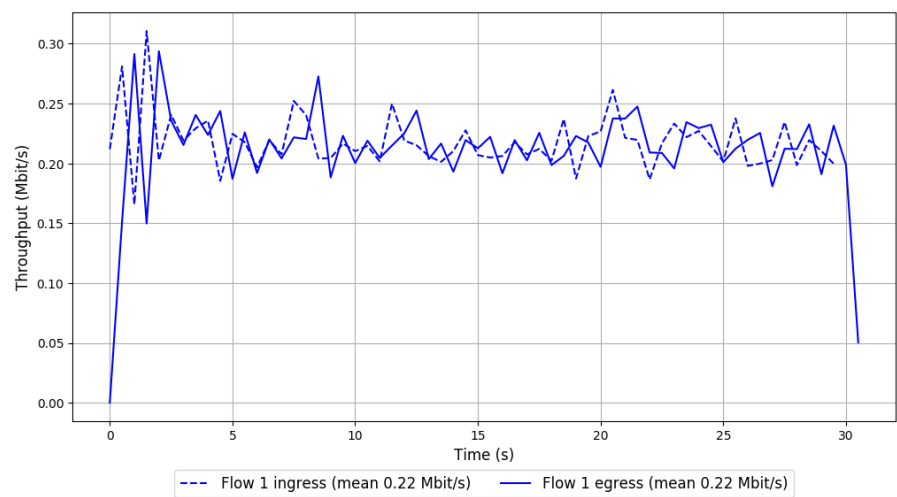


Run 6: Statistics of SCReAM

Start at: 2018-07-25 11:08:20
End at: 2018-07-25 11:08:50
Local clock offset: 0.131 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-25 14:37:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.536 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.536 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

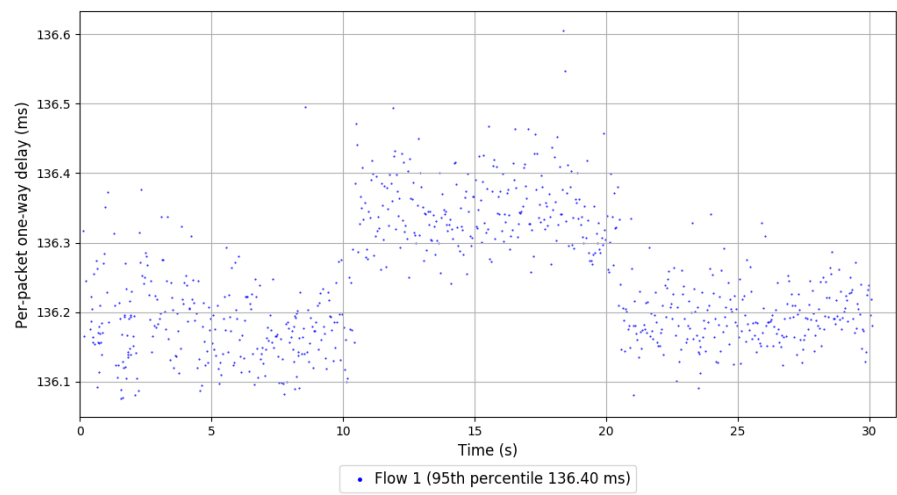
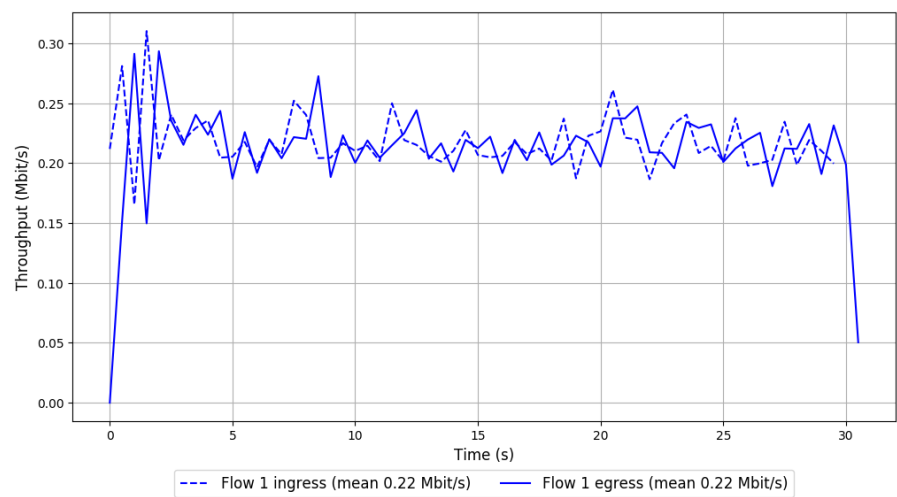


Run 7: Statistics of SCReAM

Start at: 2018-07-25 11:30:49
End at: 2018-07-25 11:31:19
Local clock offset: 0.272 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-25 14:37:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.401 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.401 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

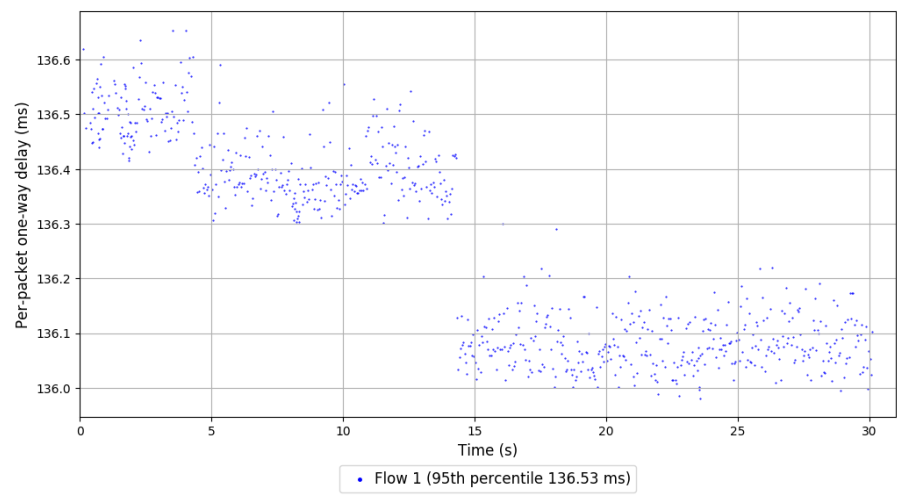
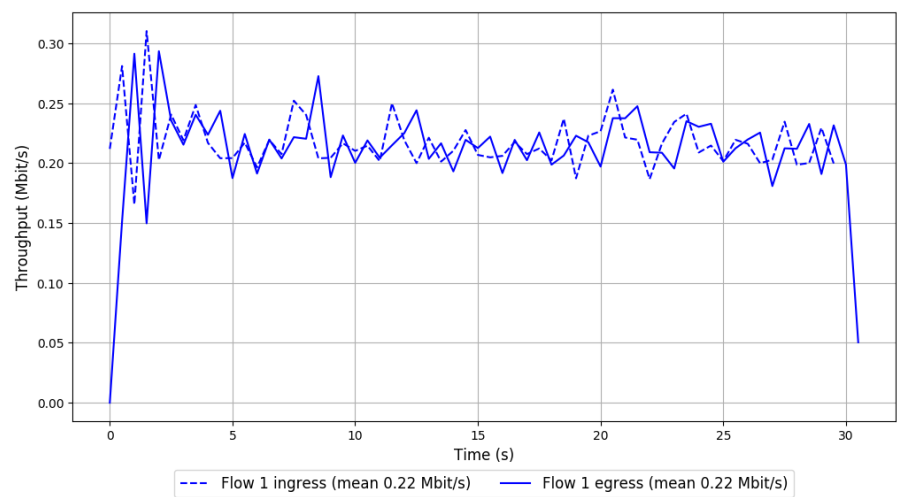


Run 8: Statistics of SCReAM

Start at: 2018-07-25 11:53:45
End at: 2018-07-25 11:54:15
Local clock offset: 0.13 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-25 14:37:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.532 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.532 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-07-25 12:16:49

End at: 2018-07-25 12:17:19

Local clock offset: -0.394 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-07-25 14:37:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.976 ms

Loss rate: 0.00%

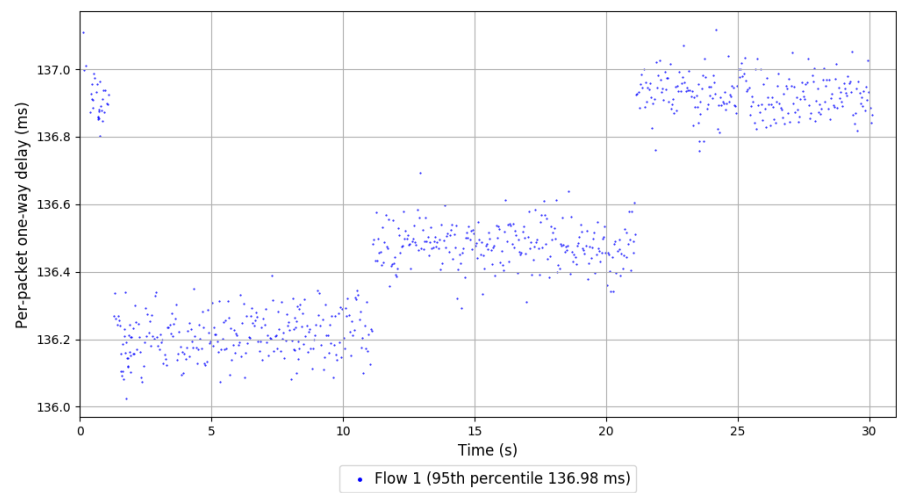
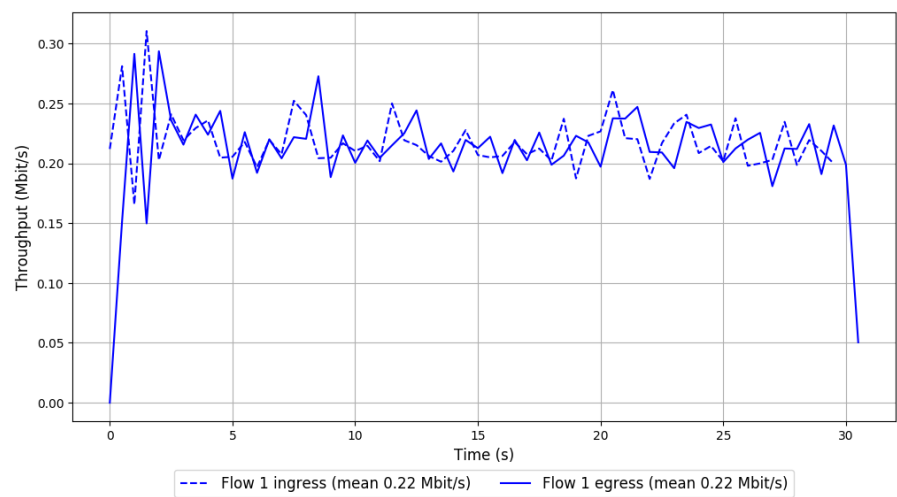
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.976 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

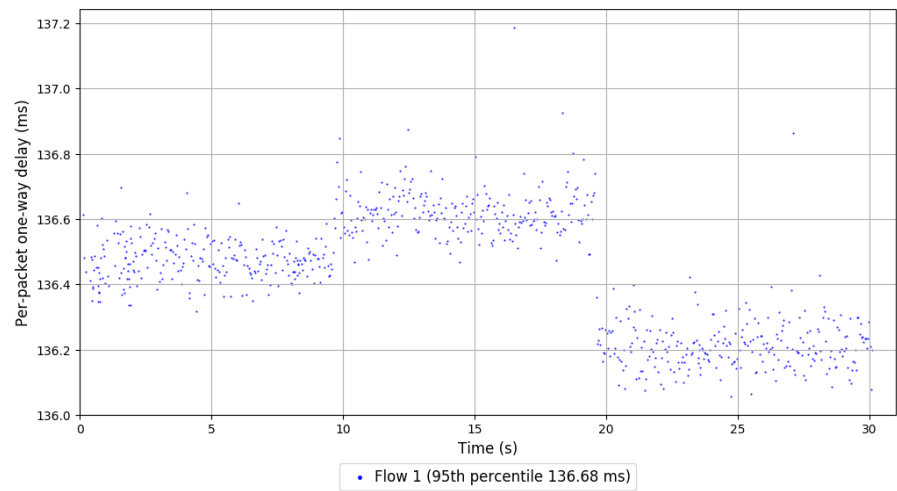
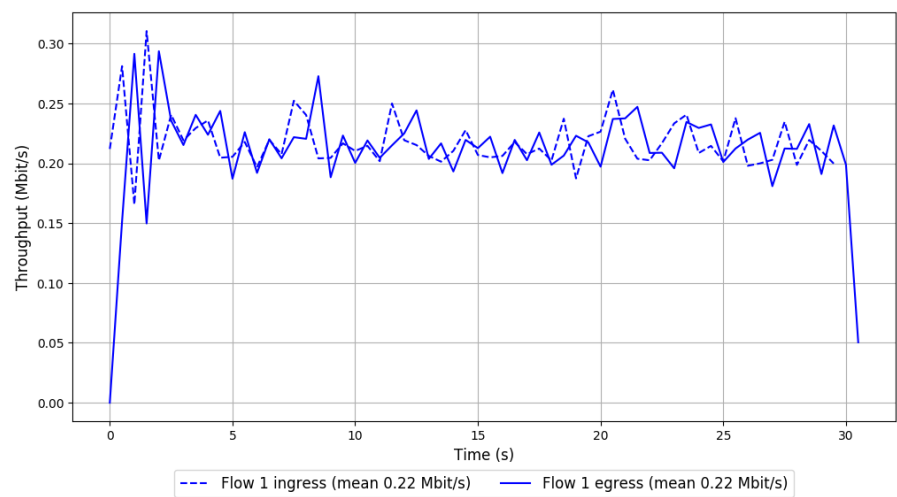


```
Run 10: Statistics of SCReAM

Start at: 2018-07-25 12:39:40
End at: 2018-07-25 12:40:10
Local clock offset: 0.076 ms
Remote clock offset: 0.036 ms

# Below is generated by plot.py at 2018-07-25 14:37:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.681 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.681 ms
Loss rate: 0.00%
```

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-25 09:16:16

End at: 2018-07-25 09:16:46

Local clock offset: 0.514 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-07-25 14:37:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 136.202 ms

Loss rate: 0.00%

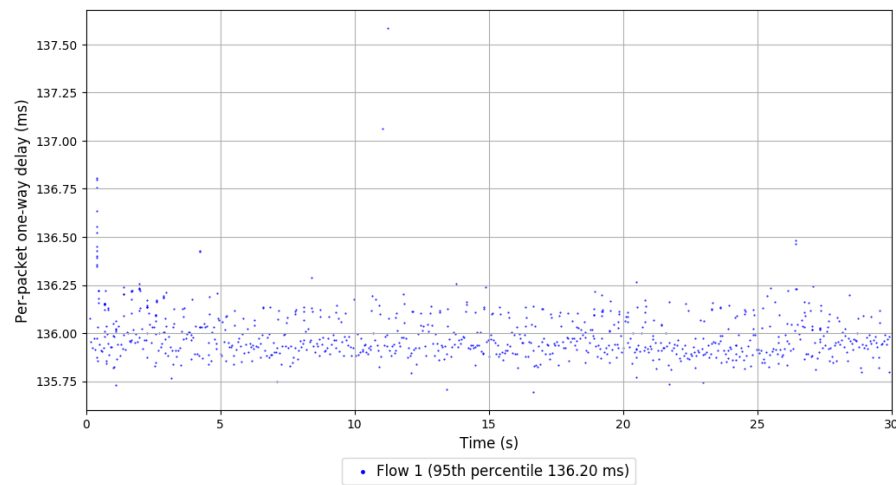
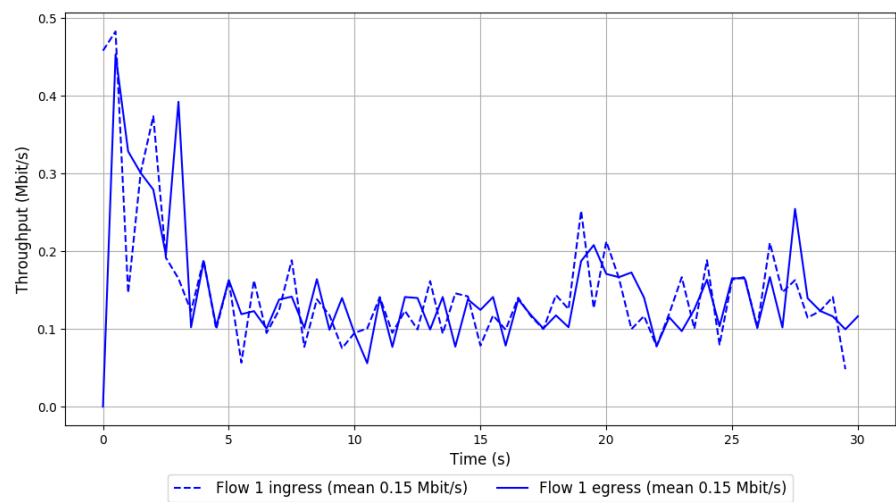
-- Flow 1:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 136.202 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

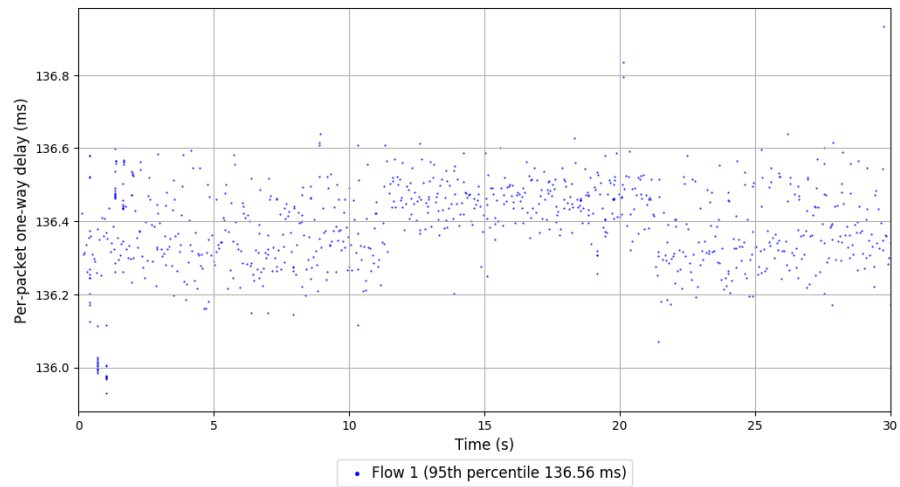
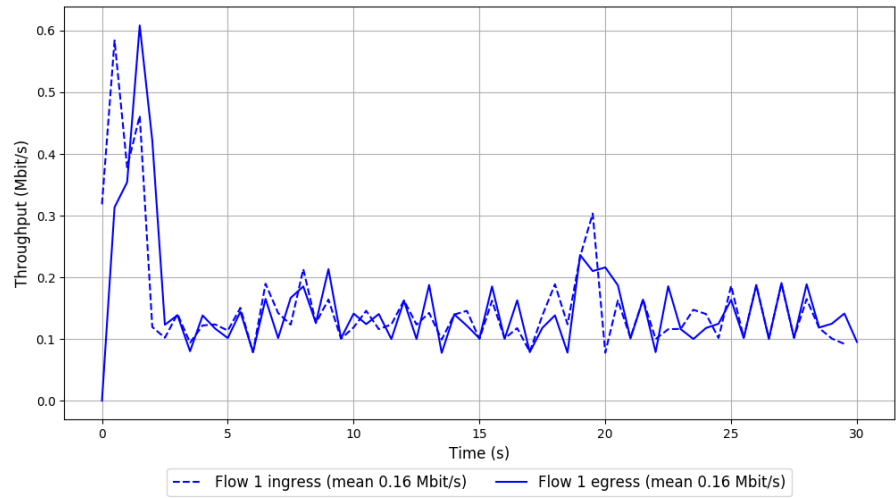


Run 2: Statistics of Sprout

Start at: 2018-07-25 09:39:18
End at: 2018-07-25 09:39:48
Local clock offset: -0.148 ms
Remote clock offset: -0.275 ms

Below is generated by plot.py at 2018-07-25 14:37:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.560 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.560 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

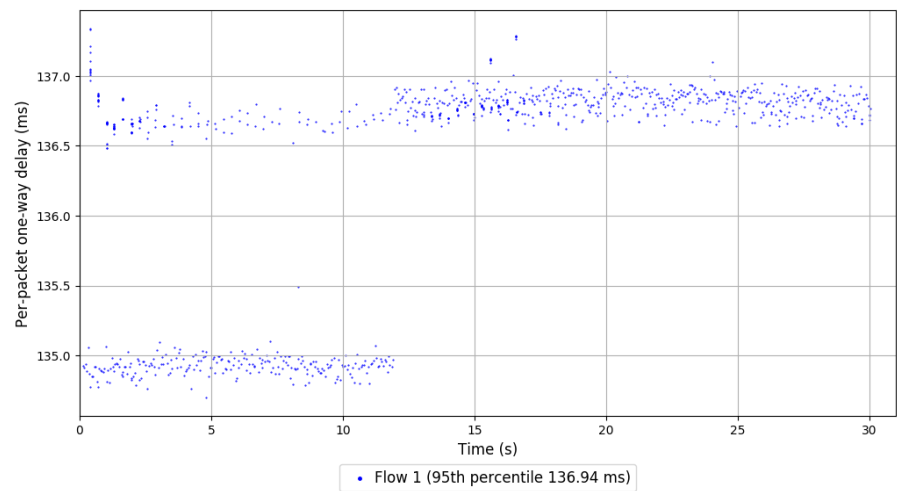
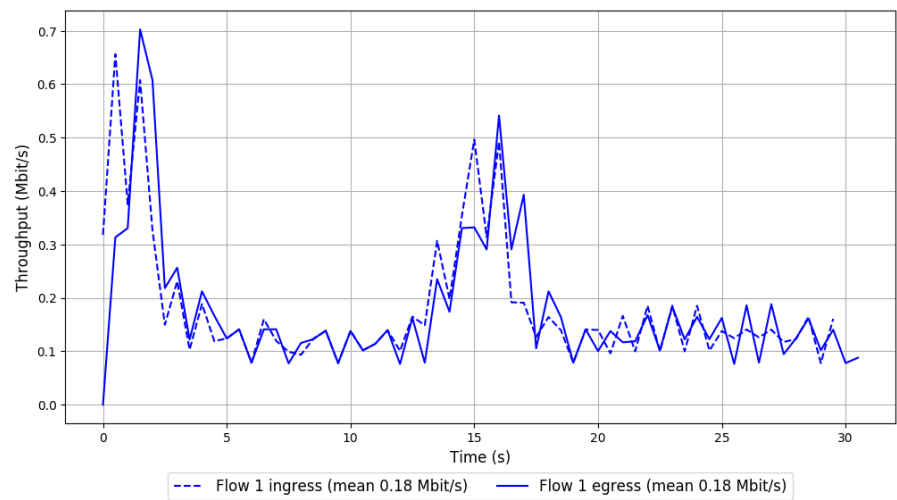


Run 3: Statistics of Sprout

Start at: 2018-07-25 10:02:18
End at: 2018-07-25 10:02:48
Local clock offset: -0.028 ms
Remote clock offset: 0.128 ms

Below is generated by plot.py at 2018-07-25 14:37:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.937 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.937 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-07-25 10:24:44

End at: 2018-07-25 10:25:14

Local clock offset: 0.053 ms

Remote clock offset: 0.075 ms

Below is generated by plot.py at 2018-07-25 14:37:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 136.658 ms

Loss rate: 0.00%

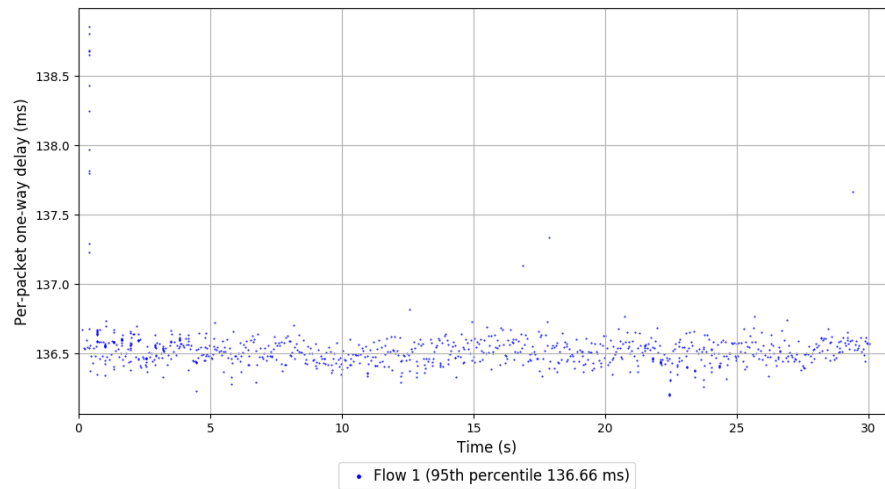
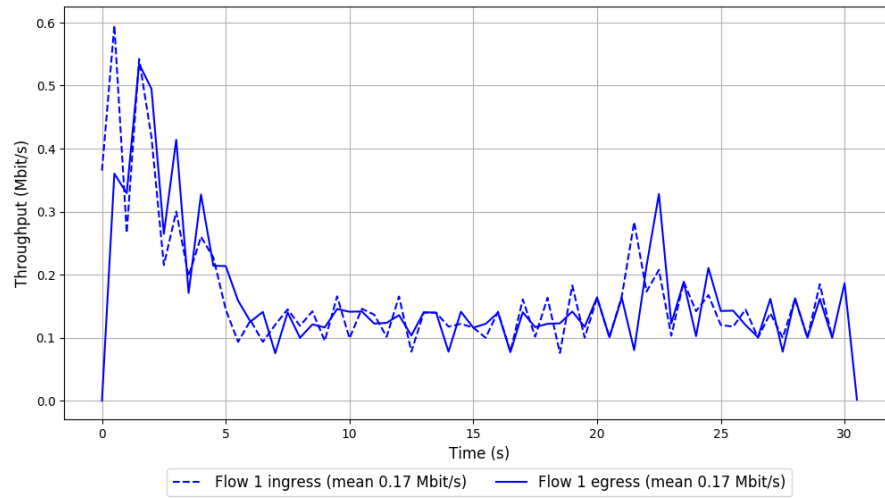
-- Flow 1:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 136.658 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

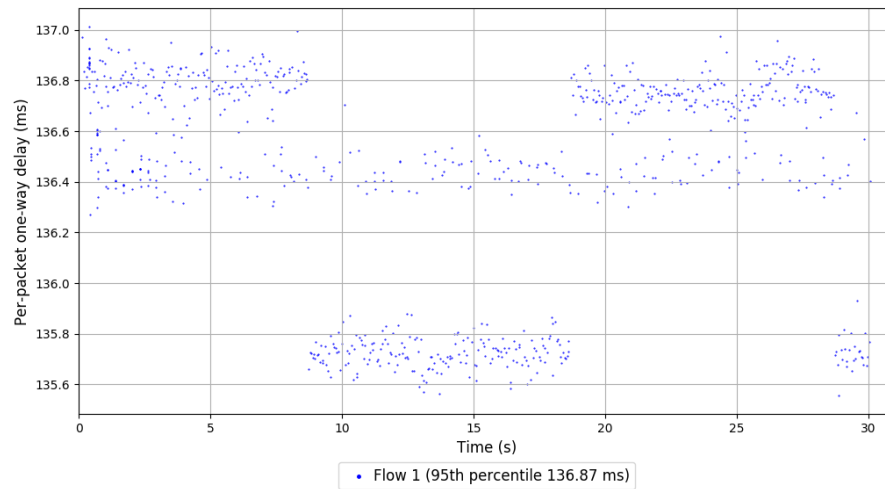
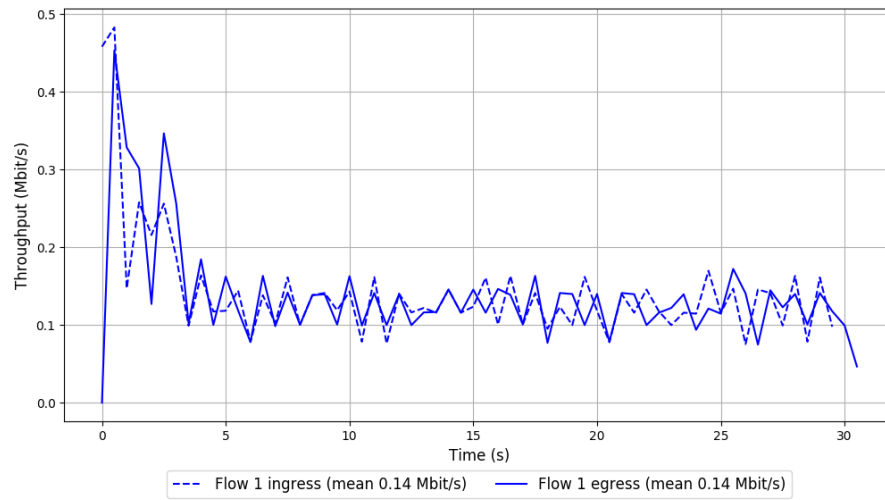


Run 5: Statistics of Sprout

Start at: 2018-07-25 10:47:41
End at: 2018-07-25 10:48:11
Local clock offset: 0.015 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-25 14:37:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 136.868 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 136.868 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

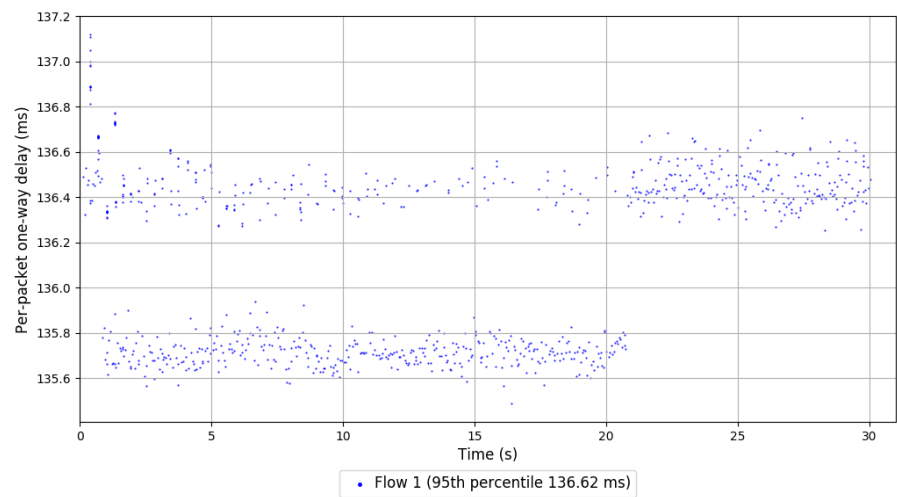
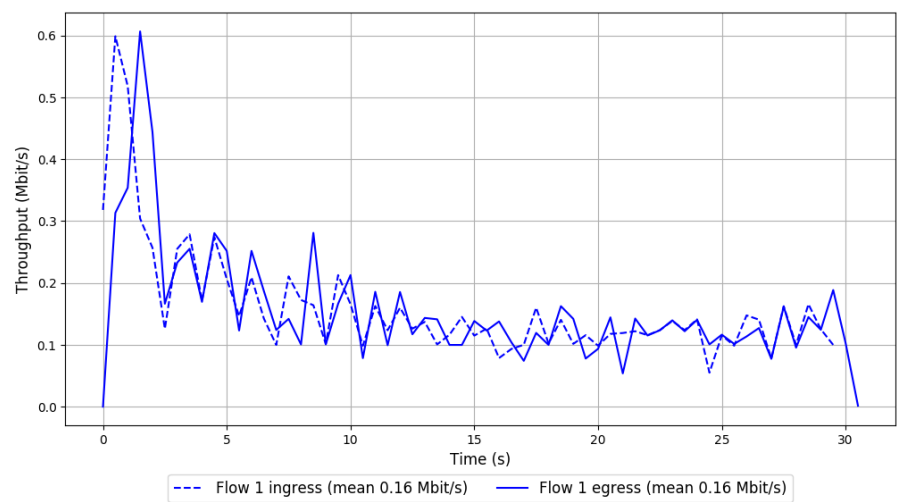


Run 6: Statistics of Sprout

Start at: 2018-07-25 11:10:49
End at: 2018-07-25 11:11:19
Local clock offset: -0.018 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-07-25 14:37:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.620 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.620 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

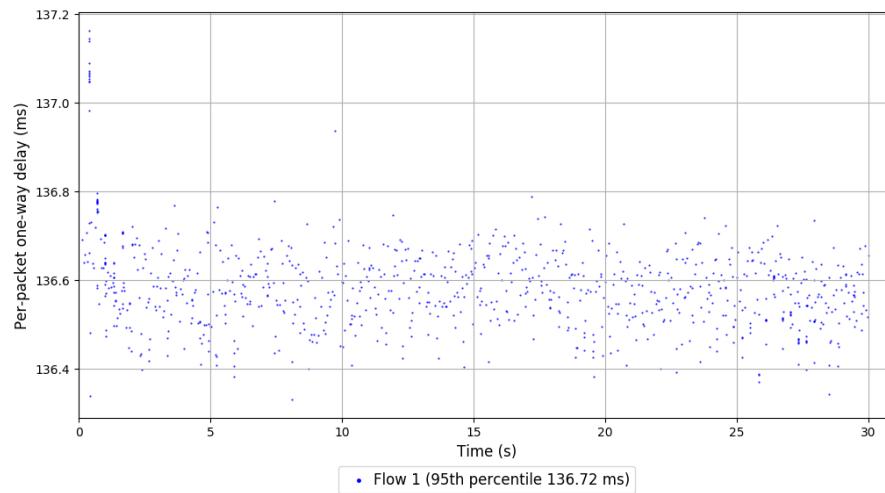
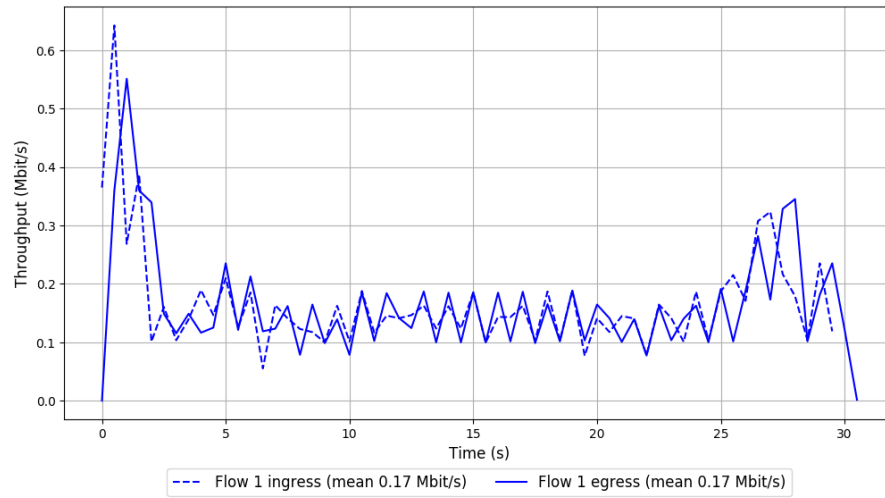


Run 7: Statistics of Sprout

Start at: 2018-07-25 11:33:19
End at: 2018-07-25 11:33:49
Local clock offset: 0.031 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-25 14:37:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.719 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.719 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

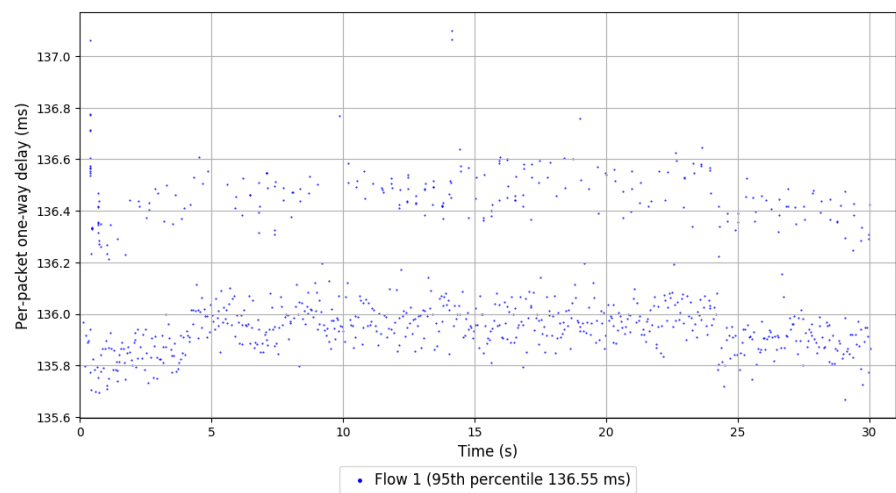
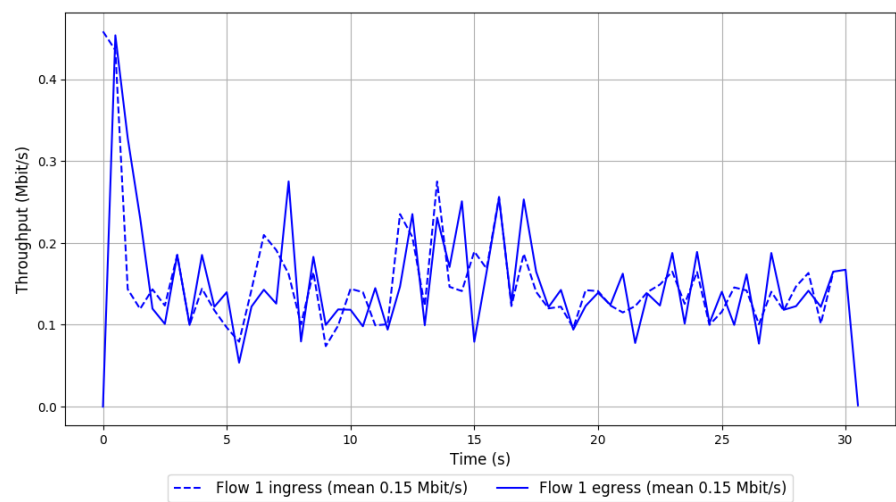


Run 8: Statistics of Sprout

Start at: 2018-07-25 11:56:15
End at: 2018-07-25 11:56:45
Local clock offset: -0.187 ms
Remote clock offset: -0.296 ms

Below is generated by plot.py at 2018-07-25 14:37:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.553 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.553 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-07-25 12:19:18

End at: 2018-07-25 12:19:48

Local clock offset: -0.076 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-07-25 14:37:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 136.737 ms

Loss rate: 0.00%

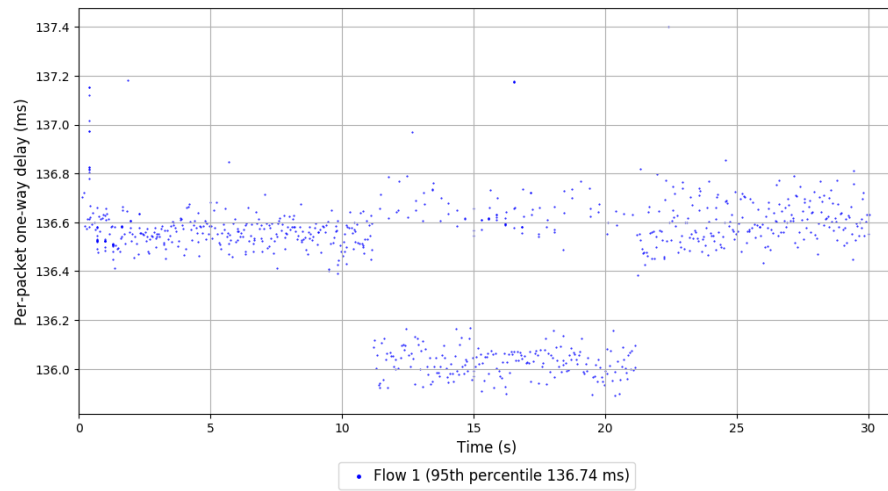
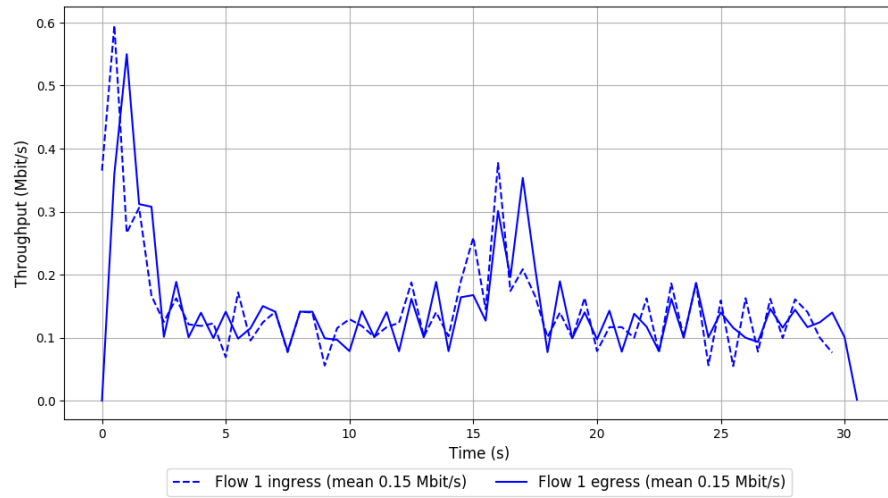
-- Flow 1:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 136.737 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-25 12:42:10

End at: 2018-07-25 12:42:40

Local clock offset: 0.078 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-25 14:37:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 136.595 ms

Loss rate: 0.00%

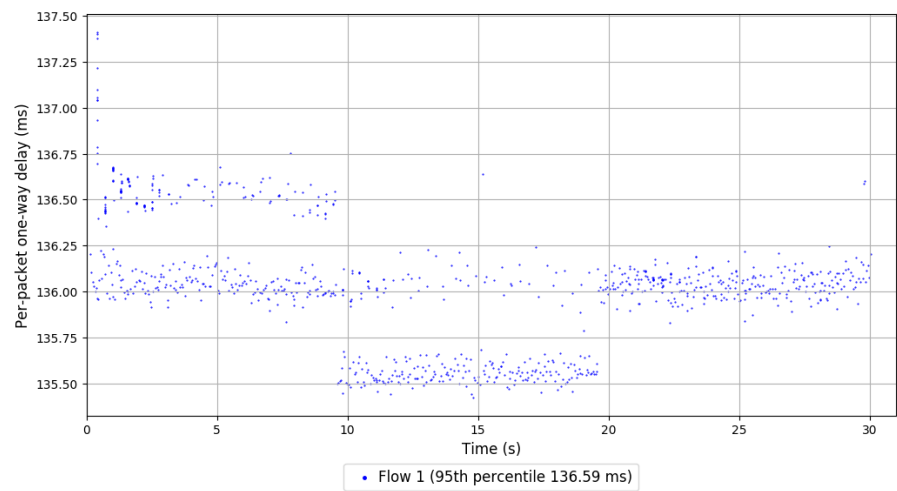
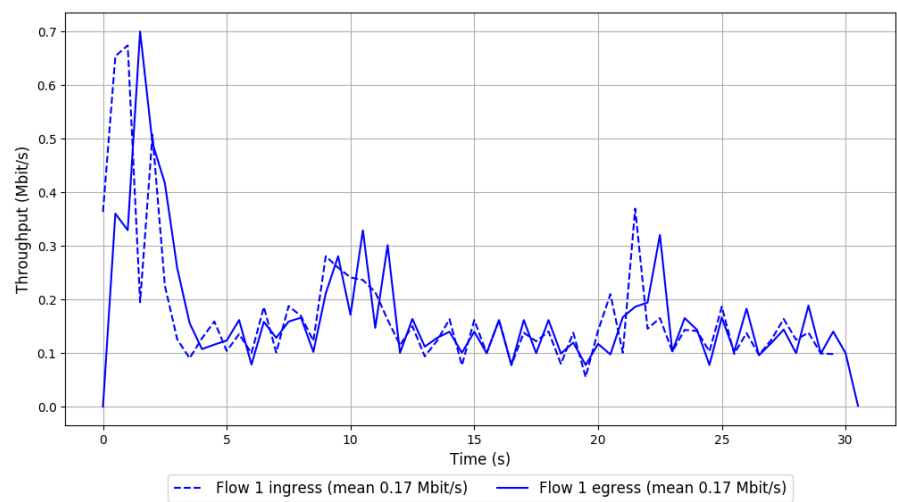
-- Flow 1:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 136.595 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

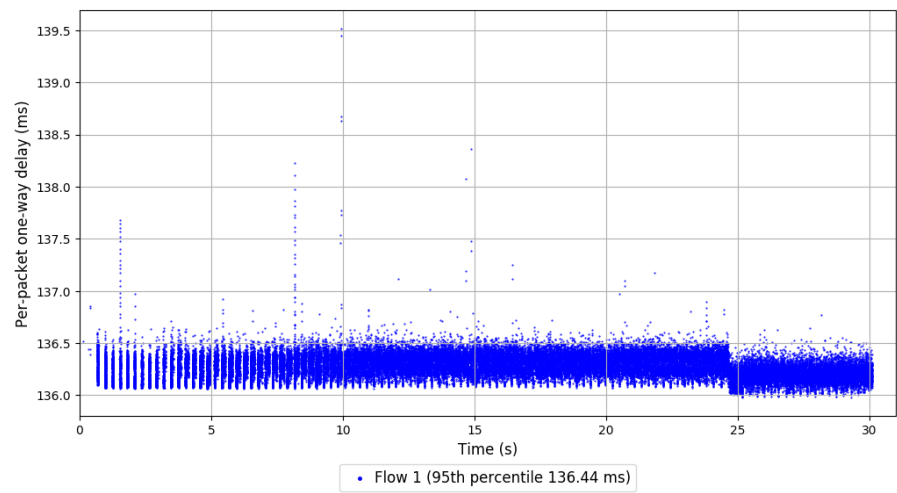
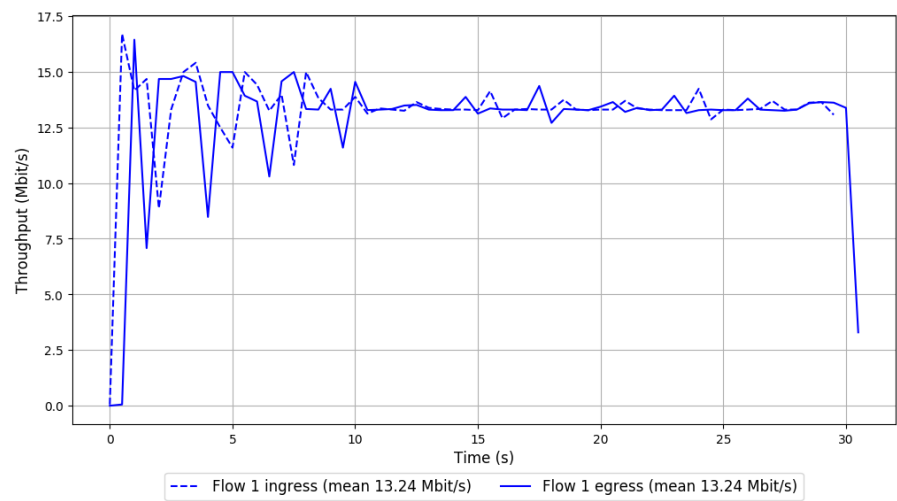


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-25 09:08:35
End at: 2018-07-25 09:09:05
Local clock offset: 0.224 ms
Remote clock offset: 0.107 ms

# Below is generated by plot.py at 2018-07-25 14:37:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.24 Mbit/s
95th percentile per-packet one-way delay: 136.438 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.24 Mbit/s
95th percentile per-packet one-way delay: 136.438 ms
Loss rate: 0.00%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-25 09:31:15

End at: 2018-07-25 09:31:45

Local clock offset: 0.019 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-07-25 14:37:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 195.75 Mbit/s

95th percentile per-packet one-way delay: 136.997 ms

Loss rate: 0.00%

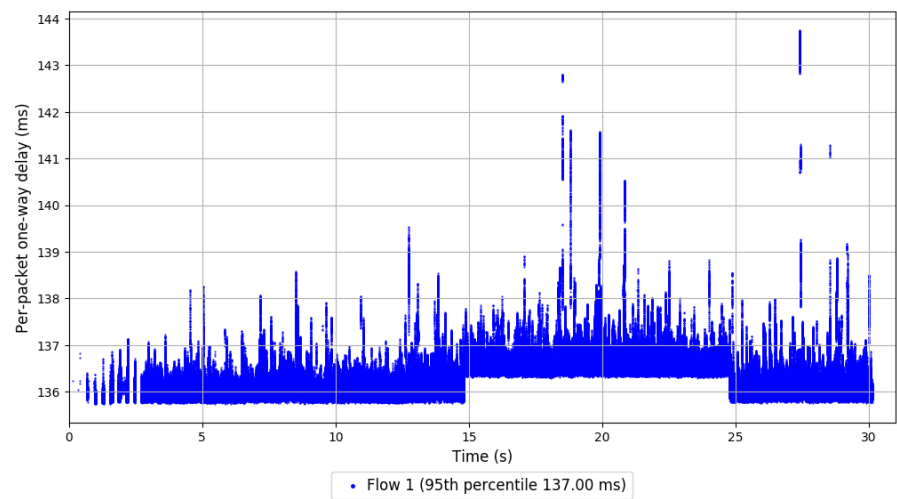
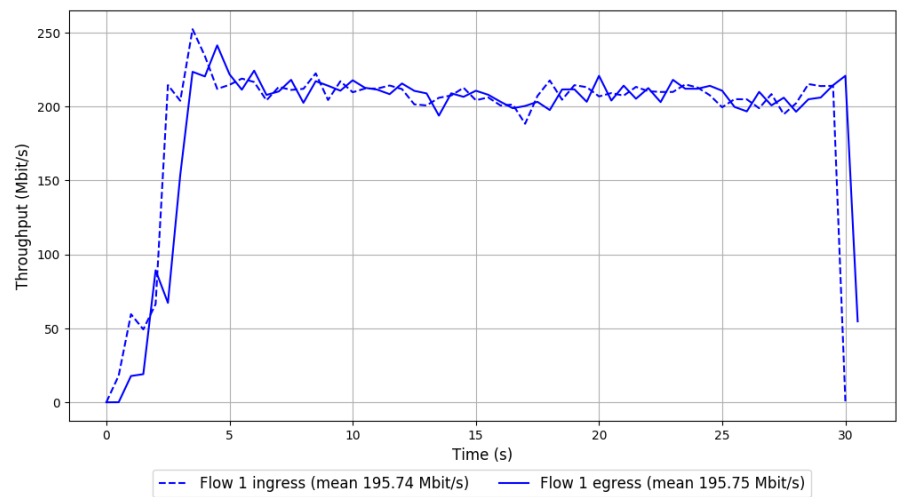
-- Flow 1:

Average throughput: 195.75 Mbit/s

95th percentile per-packet one-way delay: 136.997 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-25 09:54:12

End at: 2018-07-25 09:54:42

Local clock offset: 0.096 ms

Remote clock offset: 0.125 ms

Below is generated by plot.py at 2018-07-25 14:37:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.96 Mbit/s

95th percentile per-packet one-way delay: 136.457 ms

Loss rate: 0.00%

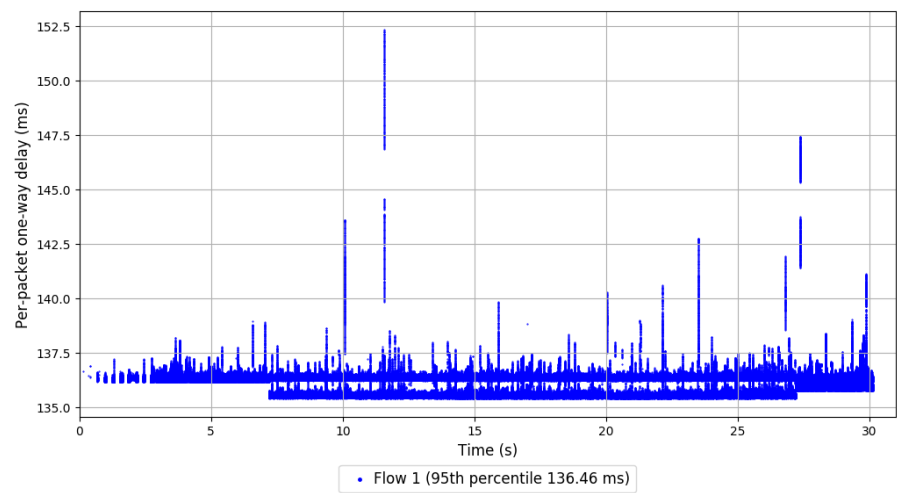
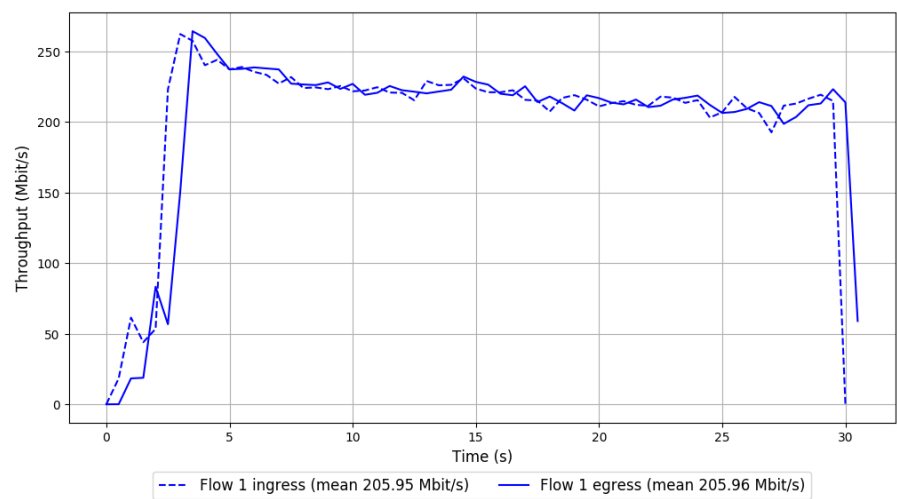
-- Flow 1:

Average throughput: 205.96 Mbit/s

95th percentile per-packet one-way delay: 136.457 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-25 10:16:58

End at: 2018-07-25 10:17:28

Local clock offset: -0.288 ms

Remote clock offset: 0.066 ms

Below is generated by plot.py at 2018-07-25 14:37:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.27 Mbit/s

95th percentile per-packet one-way delay: 136.756 ms

Loss rate: 0.00%

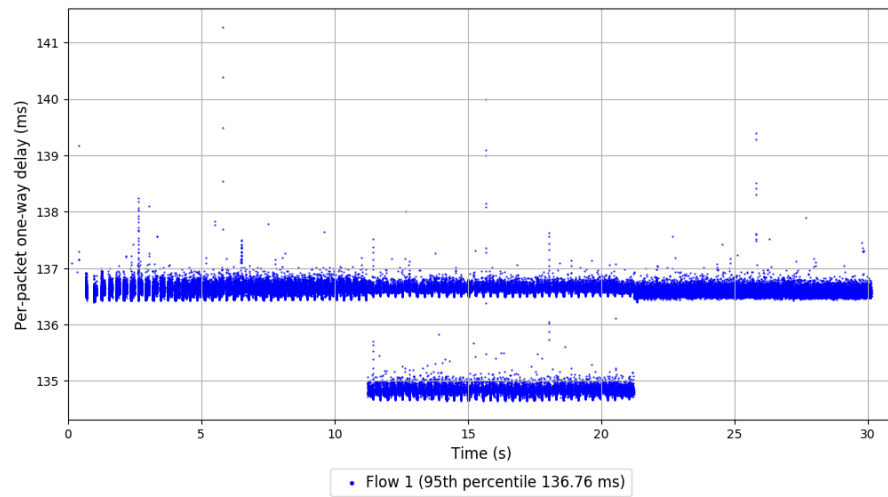
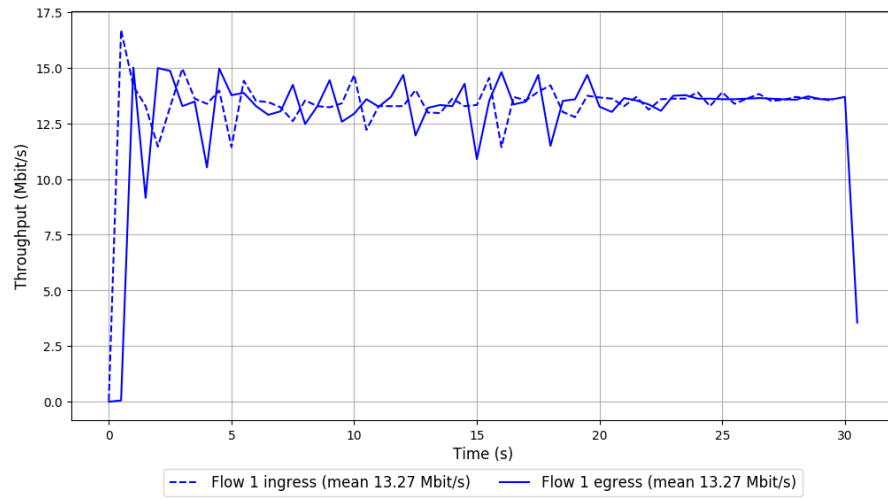
-- Flow 1:

Average throughput: 13.27 Mbit/s

95th percentile per-packet one-way delay: 136.756 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-25 10:39:35

End at: 2018-07-25 10:40:05

Local clock offset: -0.064 ms

Remote clock offset: 0.381 ms

Below is generated by plot.py at 2018-07-25 14:41:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 185.03 Mbit/s

95th percentile per-packet one-way delay: 136.862 ms

Loss rate: 0.00%

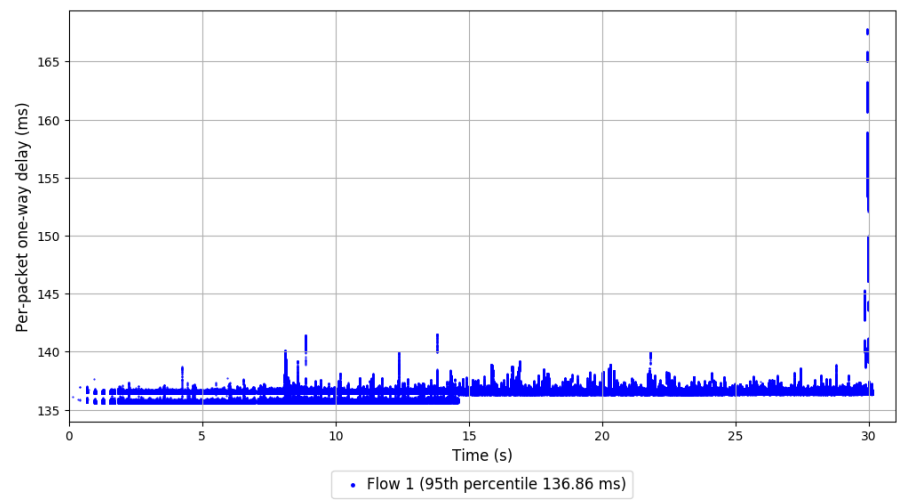
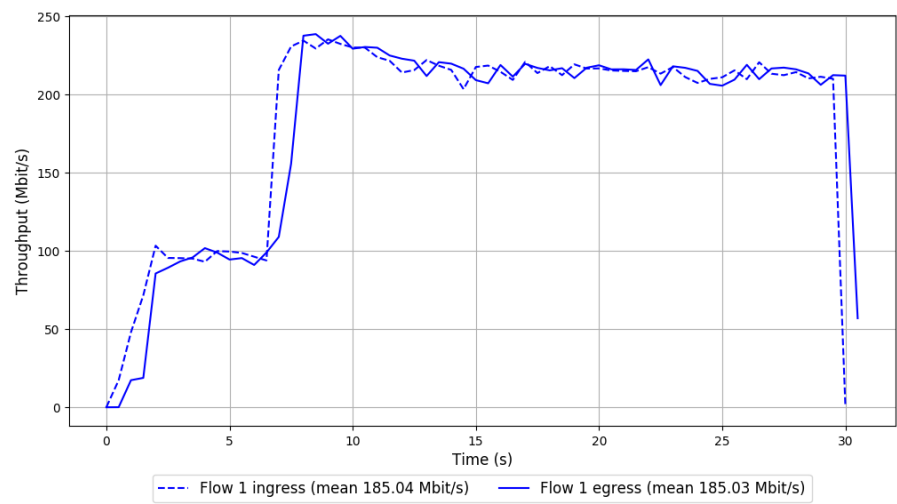
-- Flow 1:

Average throughput: 185.03 Mbit/s

95th percentile per-packet one-way delay: 136.862 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-25 11:02:44

End at: 2018-07-25 11:03:14

Local clock offset: -0.237 ms

Remote clock offset: 0.335 ms

Below is generated by plot.py at 2018-07-25 14:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 191.85 Mbit/s

95th percentile per-packet one-way delay: 137.269 ms

Loss rate: 0.00%

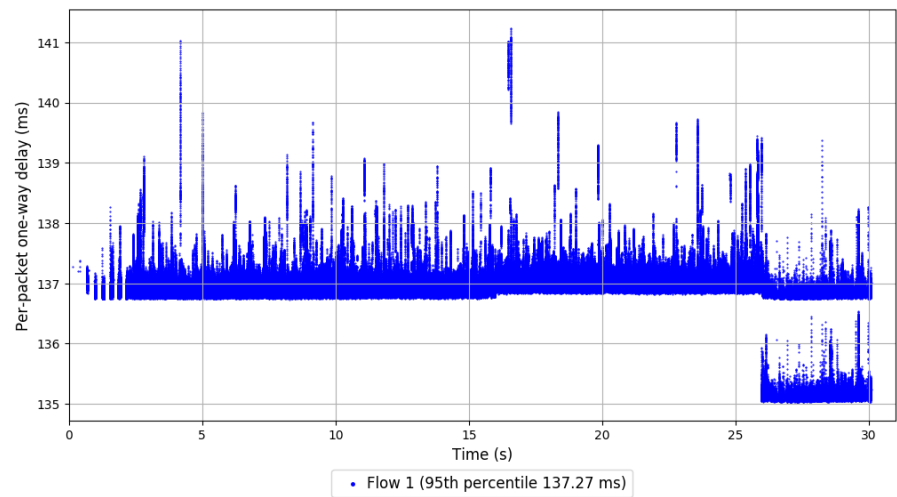
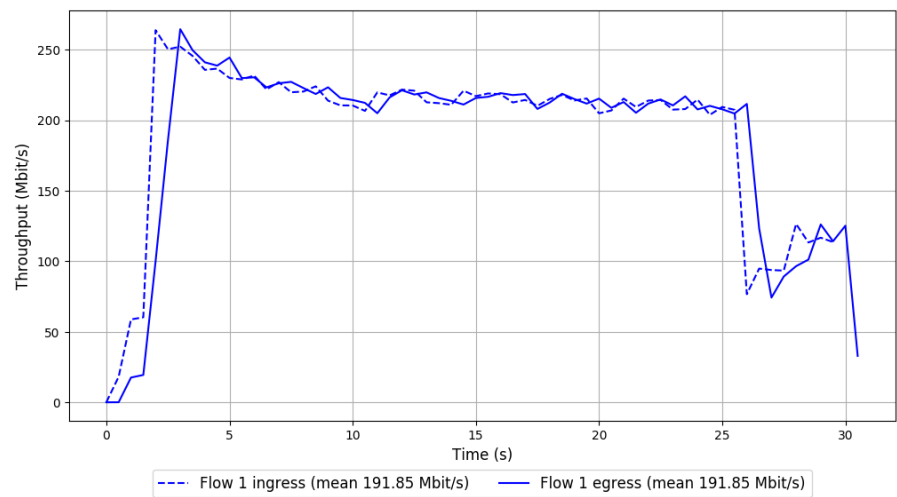
-- Flow 1:

Average throughput: 191.85 Mbit/s

95th percentile per-packet one-way delay: 137.269 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-25 11:25:32

End at: 2018-07-25 11:26:02

Local clock offset: -0.251 ms

Remote clock offset: 0.31 ms

Below is generated by plot.py at 2018-07-25 14:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.39 Mbit/s

95th percentile per-packet one-way delay: 137.098 ms

Loss rate: 0.00%

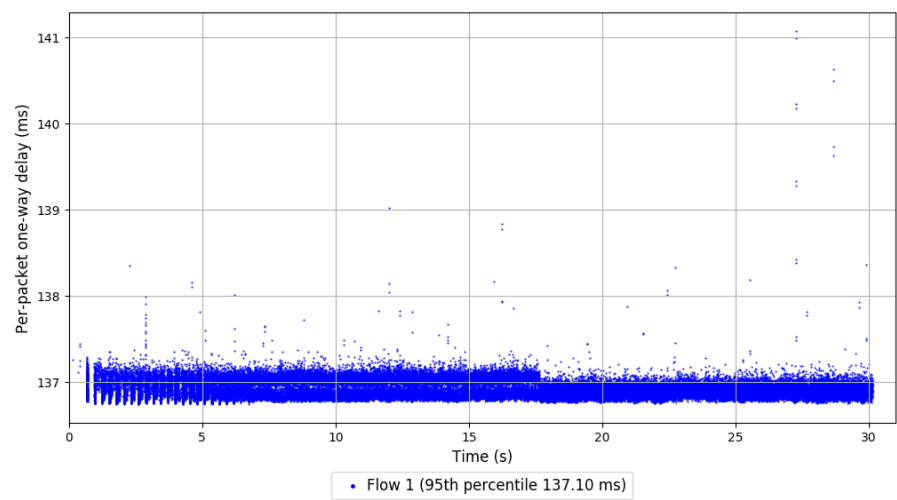
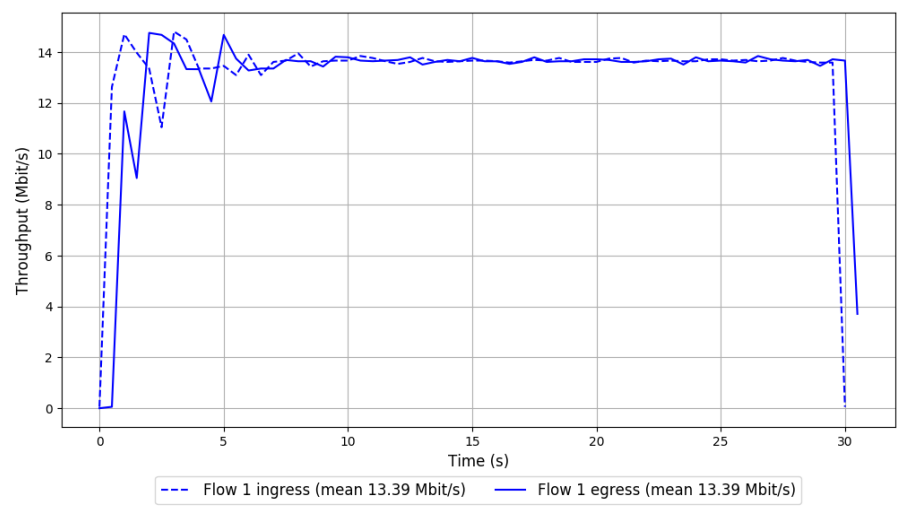
-- Flow 1:

Average throughput: 13.39 Mbit/s

95th percentile per-packet one-way delay: 137.098 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-25 11:48:09

End at: 2018-07-25 11:48:39

Local clock offset: -0.032 ms

Remote clock offset: 0.35 ms

Below is generated by plot.py at 2018-07-25 14:42:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 199.77 Mbit/s

95th percentile per-packet one-way delay: 137.050 ms

Loss rate: 0.01%

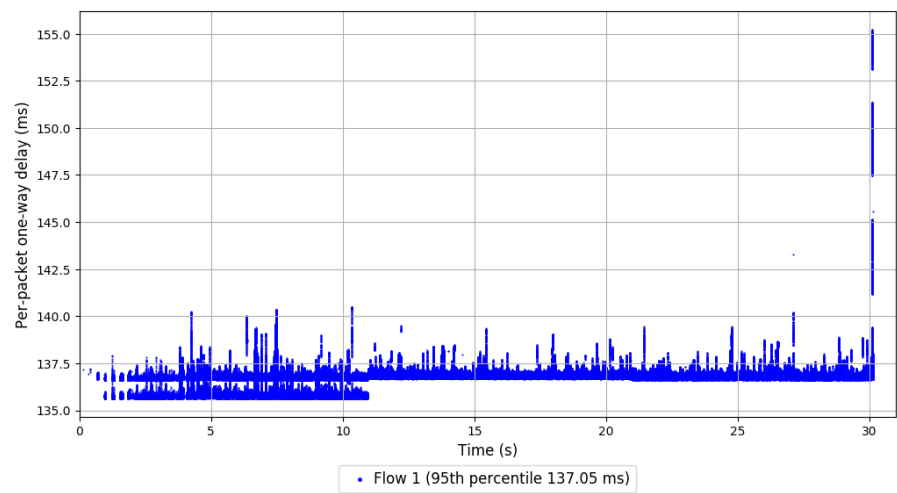
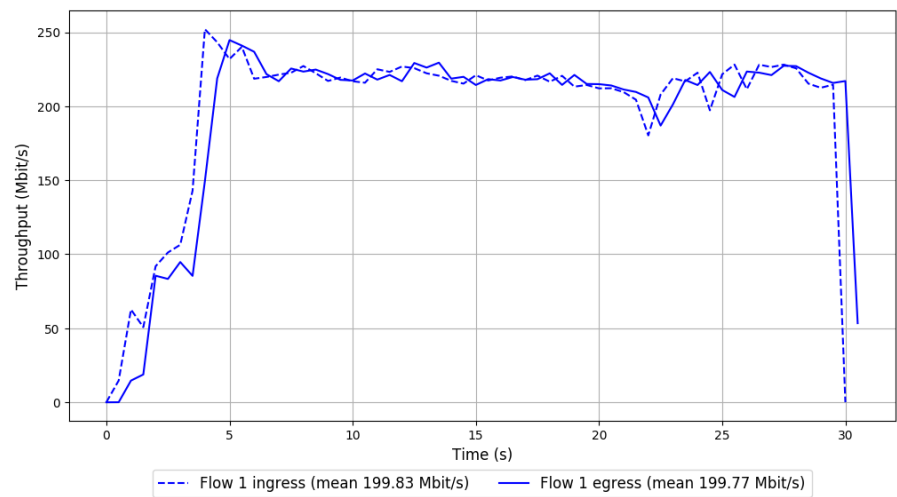
-- Flow 1:

Average throughput: 199.77 Mbit/s

95th percentile per-packet one-way delay: 137.050 ms

Loss rate: 0.01%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-25 12:11:13

End at: 2018-07-25 12:11:43

Local clock offset: 0.099 ms

Remote clock offset: 0.392 ms

Below is generated by plot.py at 2018-07-25 14:43:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.90 Mbit/s

95th percentile per-packet one-way delay: 136.908 ms

Loss rate: 0.00%

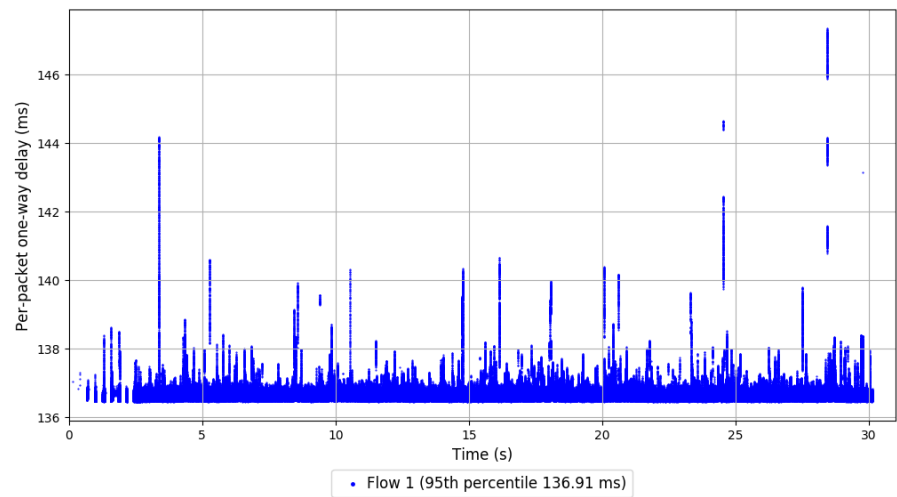
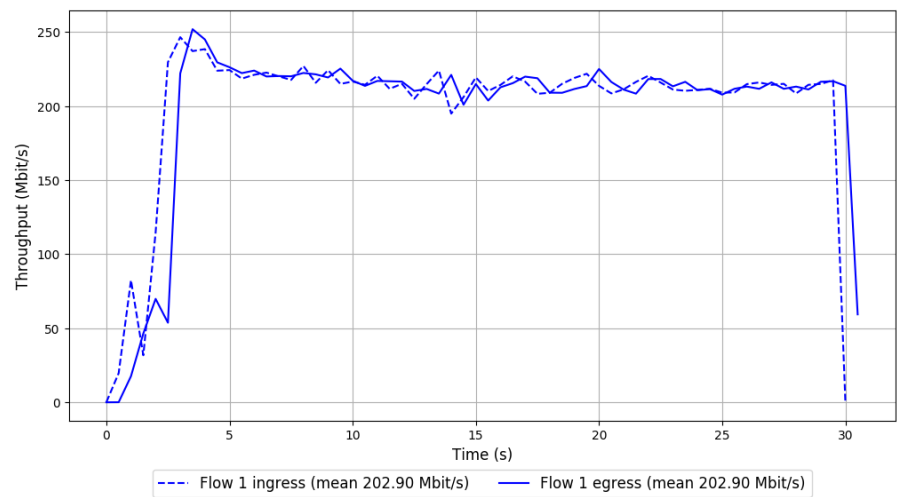
-- Flow 1:

Average throughput: 202.90 Mbit/s

95th percentile per-packet one-way delay: 136.908 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-25 12:34:28

End at: 2018-07-25 12:34:58

Local clock offset: -0.038 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-25 14:43:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.25 Mbit/s

95th percentile per-packet one-way delay: 136.612 ms

Loss rate: 0.00%

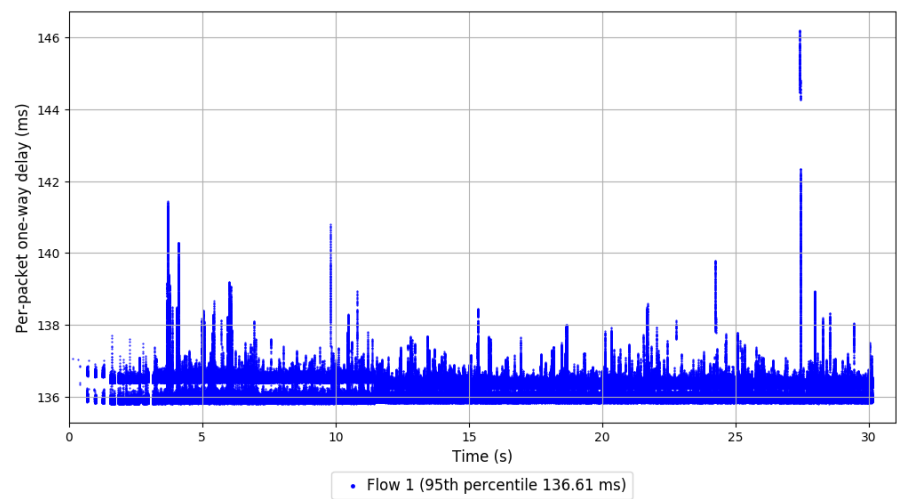
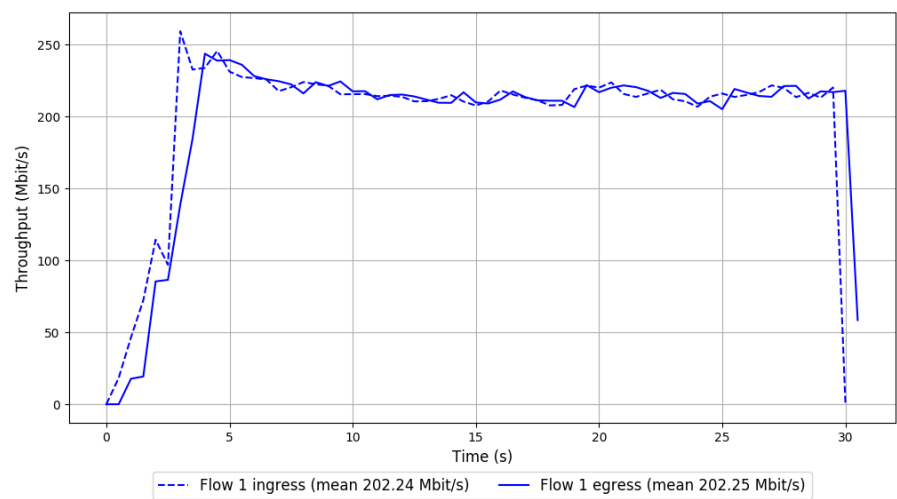
-- Flow 1:

Average throughput: 202.25 Mbit/s

95th percentile per-packet one-way delay: 136.612 ms

Loss rate: 0.00%

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

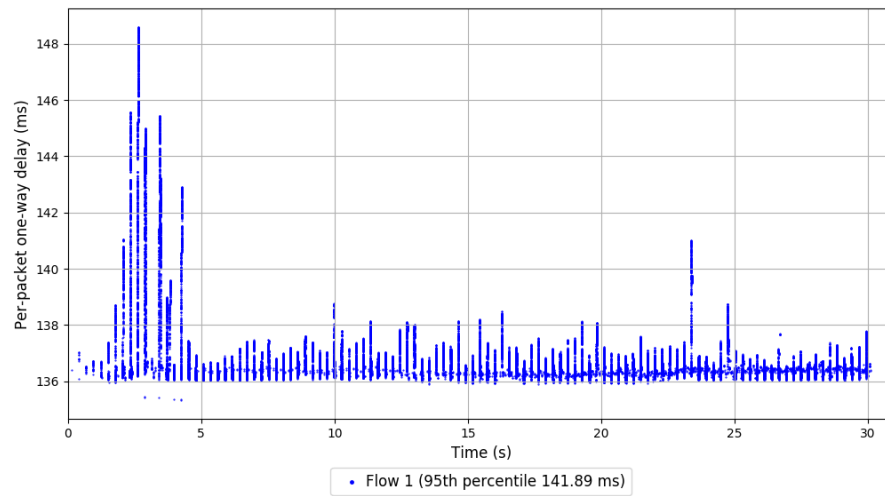
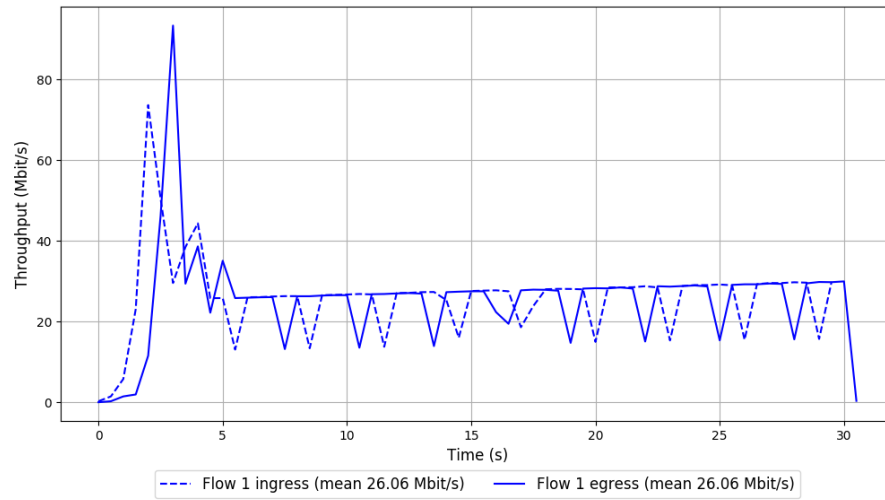


Run 1: Statistics of TCP Vegas

Start at: 2018-07-25 09:00:07
End at: 2018-07-25 09:00:37
Local clock offset: 0.01 ms
Remote clock offset: -0.339 ms

Below is generated by plot.py at 2018-07-25 14:43:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 26.06 Mbit/s
95th percentile per-packet one-way delay: 141.888 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 26.06 Mbit/s
95th percentile per-packet one-way delay: 141.888 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

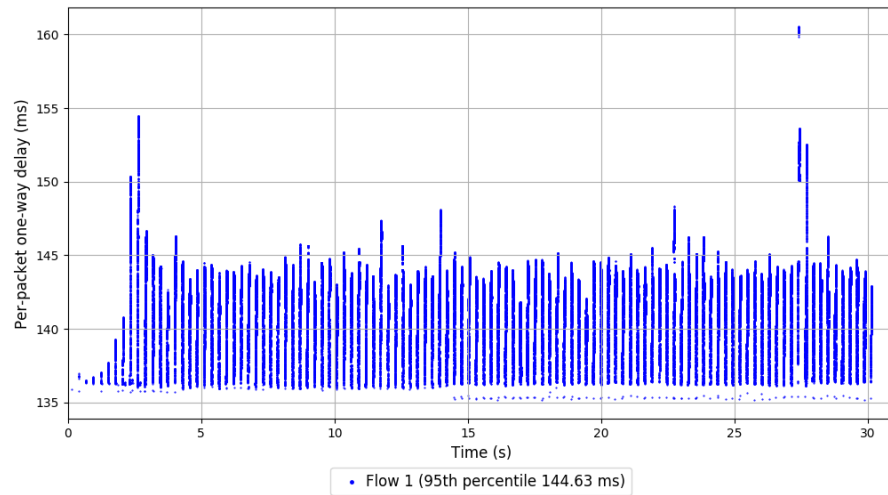
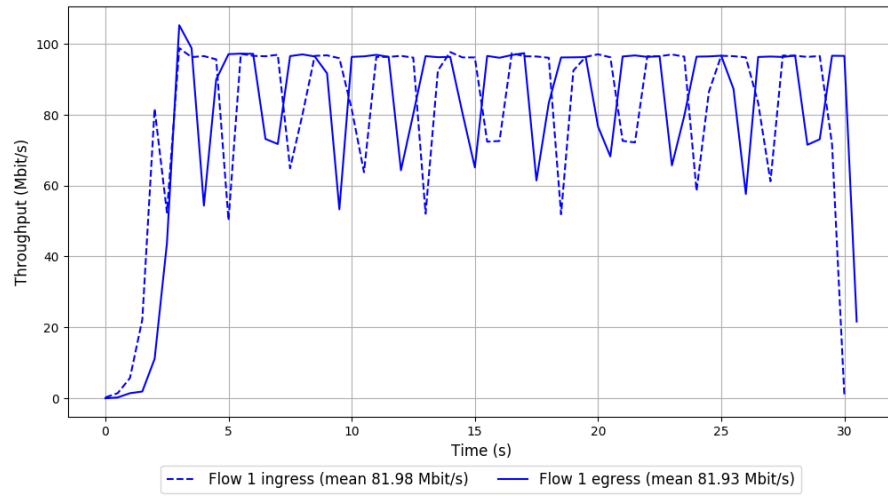


Run 2: Statistics of TCP Vegas

Start at: 2018-07-25 09:22:55
End at: 2018-07-25 09:23:25
Local clock offset: 0.113 ms
Remote clock offset: -0.295 ms

Below is generated by plot.py at 2018-07-25 14:43:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.93 Mbit/s
95th percentile per-packet one-way delay: 144.635 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 81.93 Mbit/s
95th percentile per-packet one-way delay: 144.635 ms
Loss rate: 0.05%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-25 09:45:49

End at: 2018-07-25 09:46:19

Local clock offset: 0.063 ms

Remote clock offset: 0.459 ms

Below is generated by plot.py at 2018-07-25 14:43:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.13 Mbit/s

95th percentile per-packet one-way delay: 138.941 ms

Loss rate: 0.00%

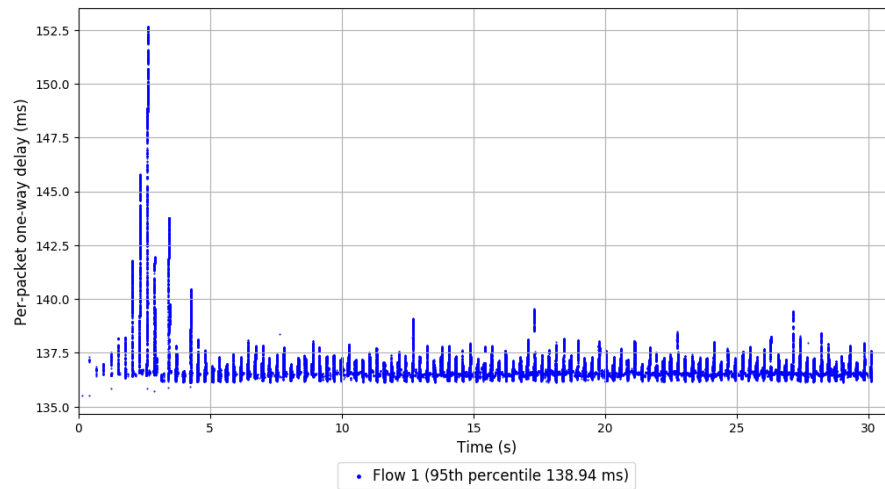
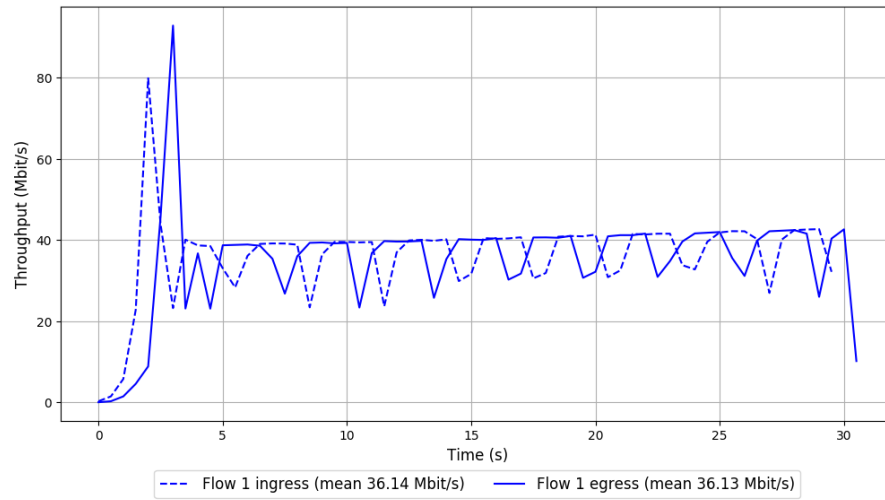
-- Flow 1:

Average throughput: 36.13 Mbit/s

95th percentile per-packet one-way delay: 138.941 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

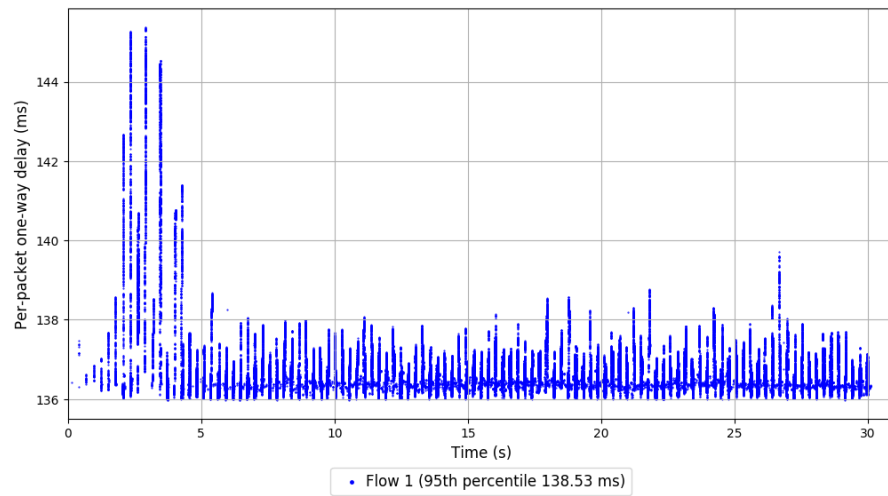
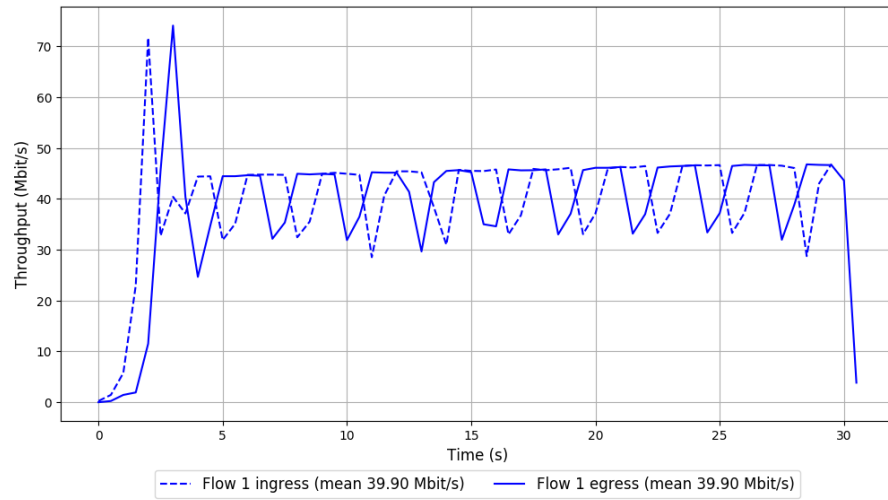


Run 4: Statistics of TCP Vegas

Start at: 2018-07-25 10:08:56
End at: 2018-07-25 10:09:26
Local clock offset: -0.056 ms
Remote clock offset: -0.258 ms

Below is generated by plot.py at 2018-07-25 14:43:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 39.90 Mbit/s
95th percentile per-packet one-way delay: 138.526 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 39.90 Mbit/s
95th percentile per-packet one-way delay: 138.526 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-25 10:31:17

End at: 2018-07-25 10:31:47

Local clock offset: -0.089 ms

Remote clock offset: 0.066 ms

Below is generated by plot.py at 2018-07-25 14:43:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.44 Mbit/s

95th percentile per-packet one-way delay: 137.802 ms

Loss rate: 0.00%

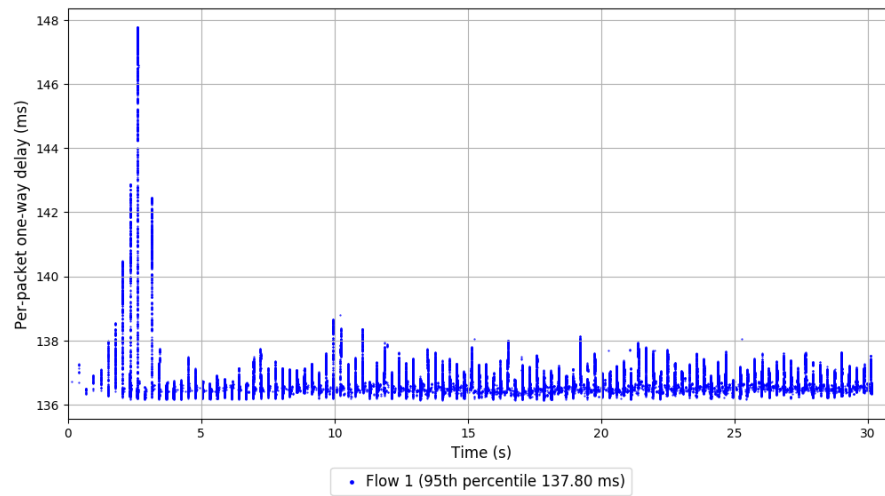
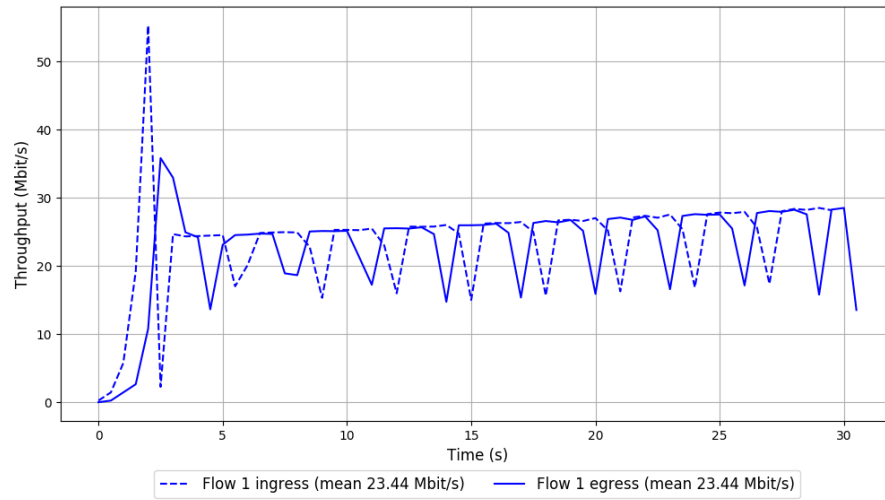
-- Flow 1:

Average throughput: 23.44 Mbit/s

95th percentile per-packet one-way delay: 137.802 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

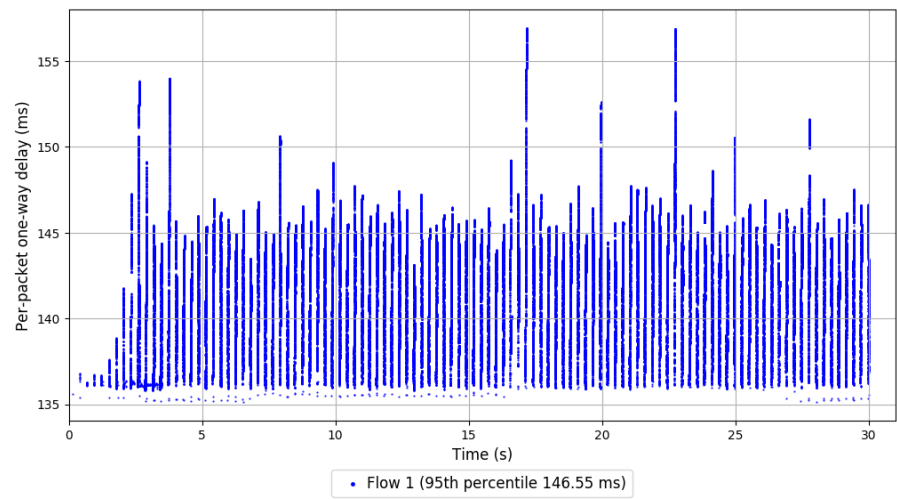
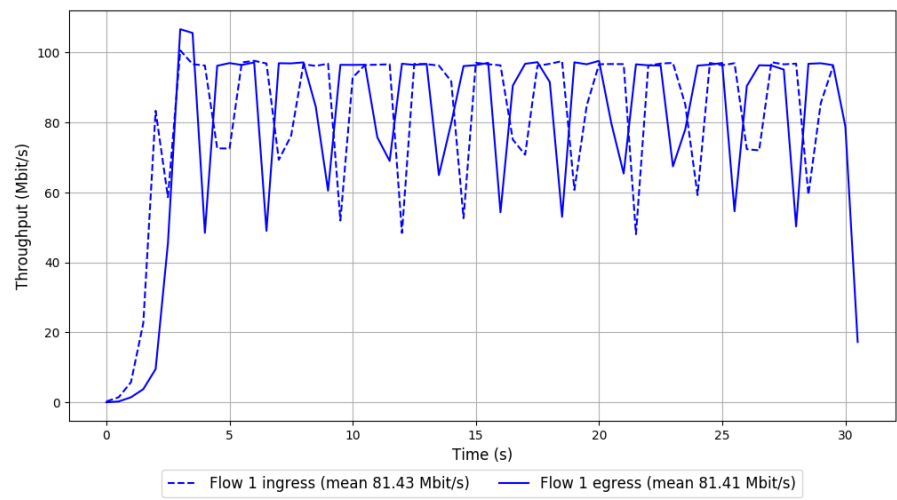


Run 6: Statistics of TCP Vegas

Start at: 2018-07-25 10:54:23
End at: 2018-07-25 10:54:53
Local clock offset: -0.008 ms
Remote clock offset: -0.385 ms

Below is generated by plot.py at 2018-07-25 14:43:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.41 Mbit/s
95th percentile per-packet one-way delay: 146.547 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 81.41 Mbit/s
95th percentile per-packet one-way delay: 146.547 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

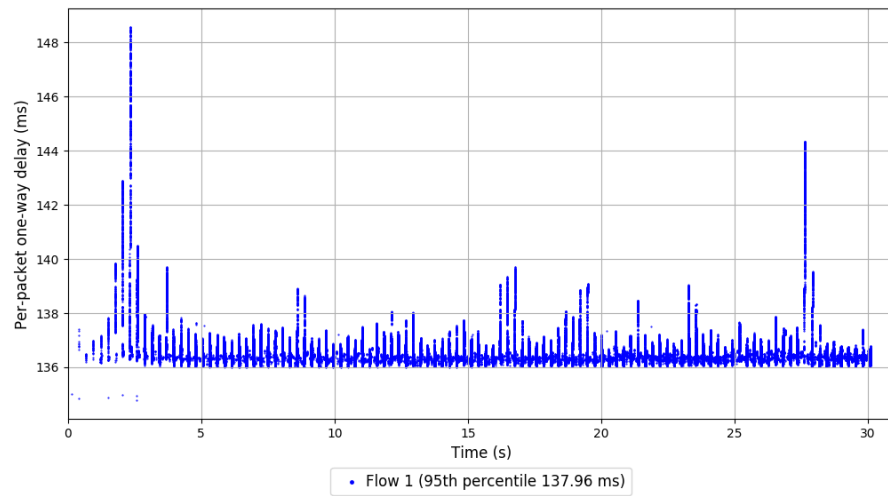
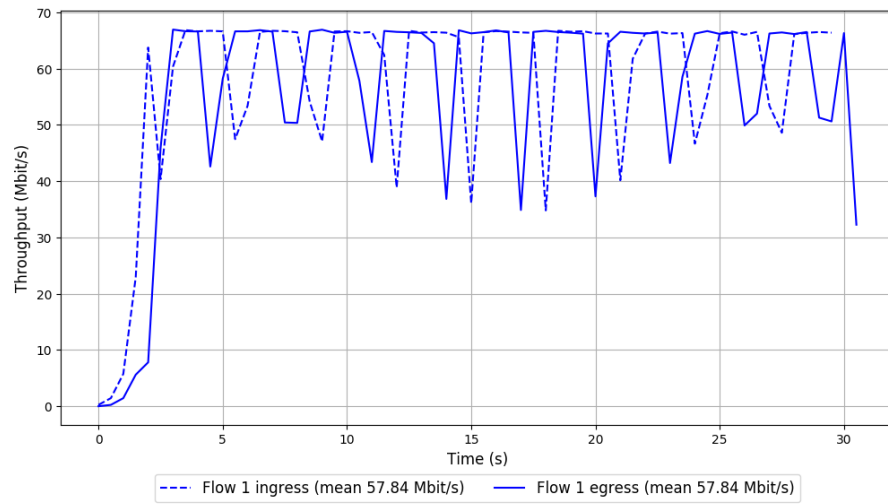


Run 7: Statistics of TCP Vegas

Start at: 2018-07-25 11:17:14
End at: 2018-07-25 11:17:44
Local clock offset: 0.159 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-25 14:43:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.84 Mbit/s
95th percentile per-packet one-way delay: 137.961 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.84 Mbit/s
95th percentile per-packet one-way delay: 137.961 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

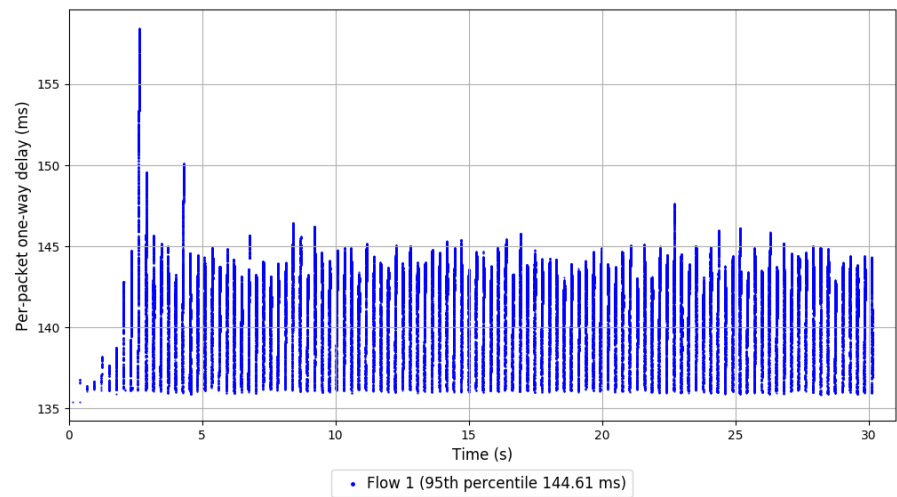
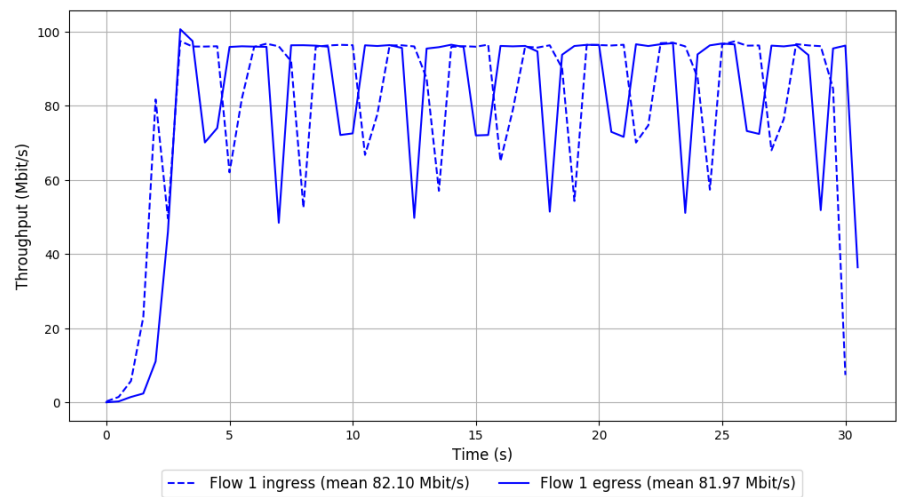


Run 8: Statistics of TCP Vegas

Start at: 2018-07-25 11:39:49
End at: 2018-07-25 11:40:19
Local clock offset: 0.158 ms
Remote clock offset: -0.354 ms

Below is generated by plot.py at 2018-07-25 14:43:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.97 Mbit/s
95th percentile per-packet one-way delay: 144.612 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 81.97 Mbit/s
95th percentile per-packet one-way delay: 144.612 ms
Loss rate: 0.15%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-25 12:02:54

End at: 2018-07-25 12:03:24

Local clock offset: 0.079 ms

Remote clock offset: -0.3 ms

Below is generated by plot.py at 2018-07-25 14:43:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.10 Mbit/s

95th percentile per-packet one-way delay: 139.026 ms

Loss rate: 0.00%

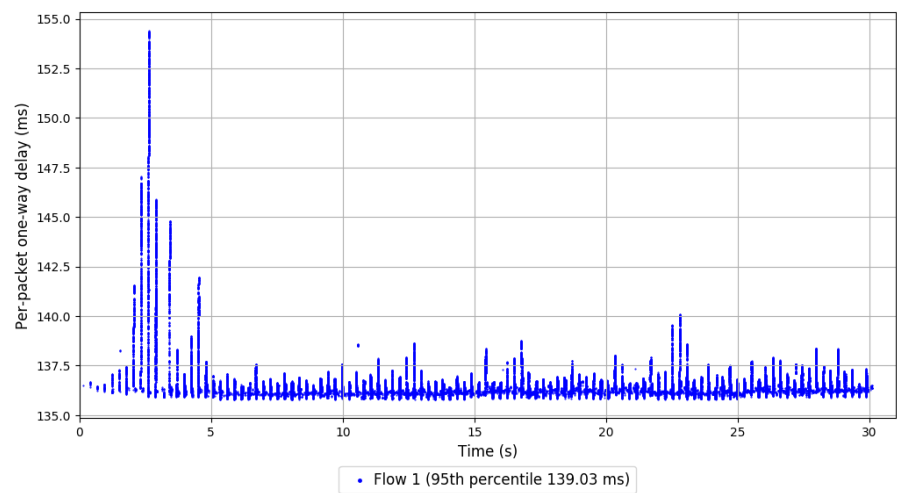
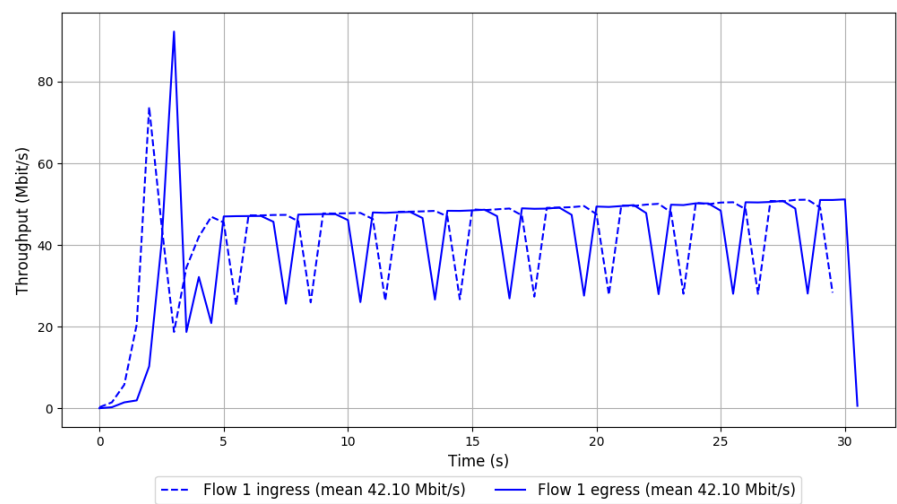
-- Flow 1:

Average throughput: 42.10 Mbit/s

95th percentile per-packet one-way delay: 139.026 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-25 12:26:00

End at: 2018-07-25 12:26:30

Local clock offset: 0.125 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-07-25 14:43:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.81 Mbit/s

95th percentile per-packet one-way delay: 144.690 ms

Loss rate: 0.13%

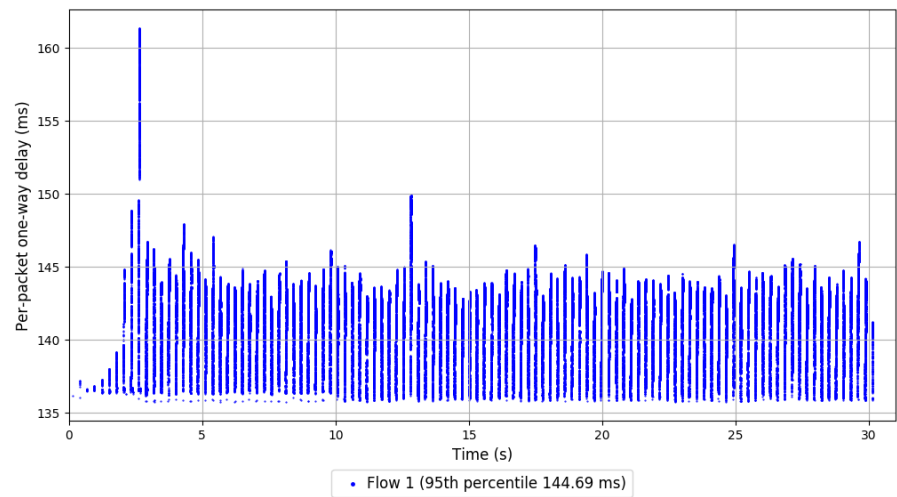
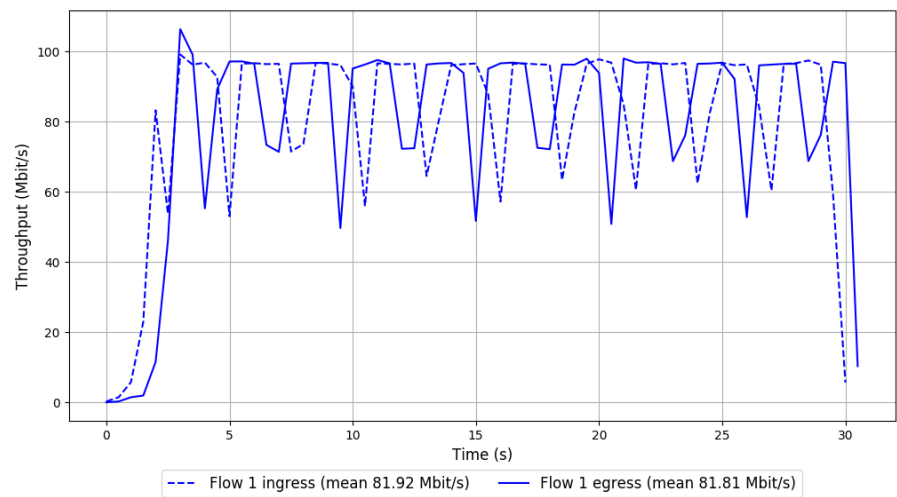
-- Flow 1:

Average throughput: 81.81 Mbit/s

95th percentile per-packet one-way delay: 144.690 ms

Loss rate: 0.13%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-25 09:21:34

End at: 2018-07-25 09:22:04

Local clock offset: 0.218 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2018-07-25 14:43:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 177.16 Mbit/s

95th percentile per-packet one-way delay: 232.189 ms

Loss rate: 0.18%

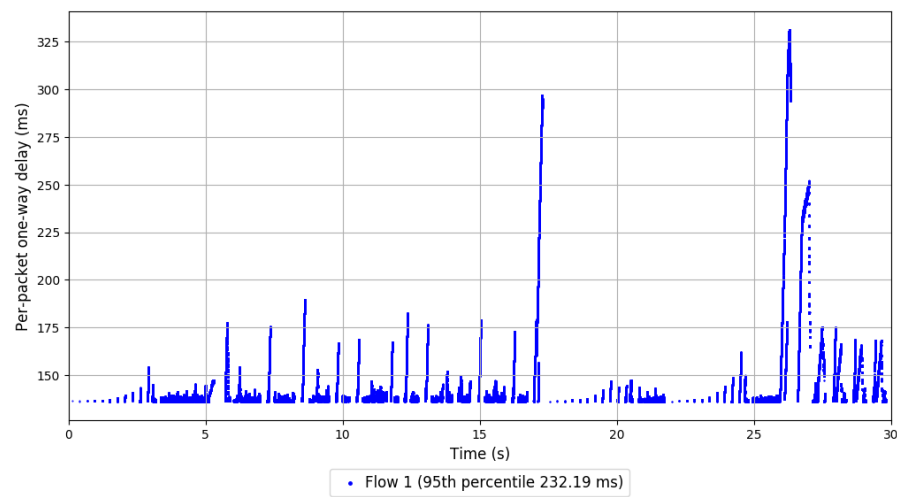
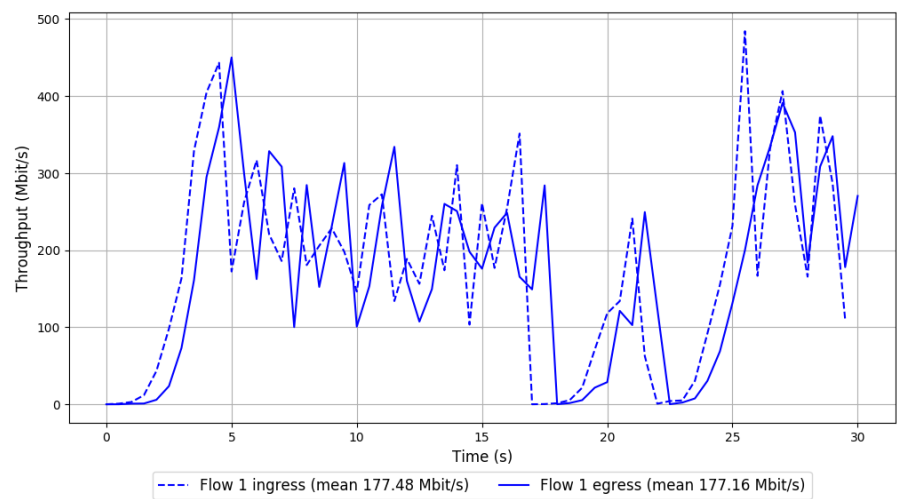
-- Flow 1:

Average throughput: 177.16 Mbit/s

95th percentile per-packet one-way delay: 232.189 ms

Loss rate: 0.18%

Run 1: Report of Verus — Data Link

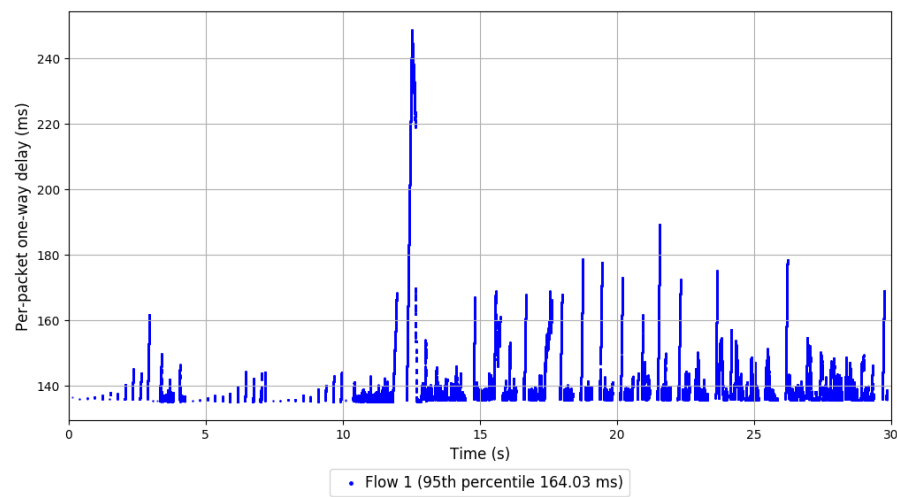
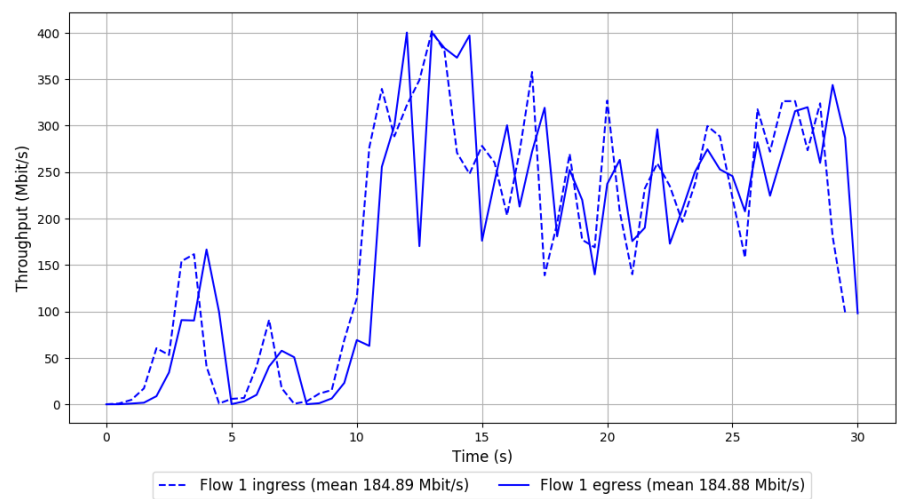


Run 2: Statistics of Verus

Start at: 2018-07-25 09:44:26
End at: 2018-07-25 09:44:56
Local clock offset: 0.38 ms
Remote clock offset: -0.251 ms

Below is generated by plot.py at 2018-07-25 14:44:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 184.88 Mbit/s
95th percentile per-packet one-way delay: 164.030 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 184.88 Mbit/s
95th percentile per-packet one-way delay: 164.030 ms
Loss rate: 0.01%

Run 2: Report of Verus — Data Link

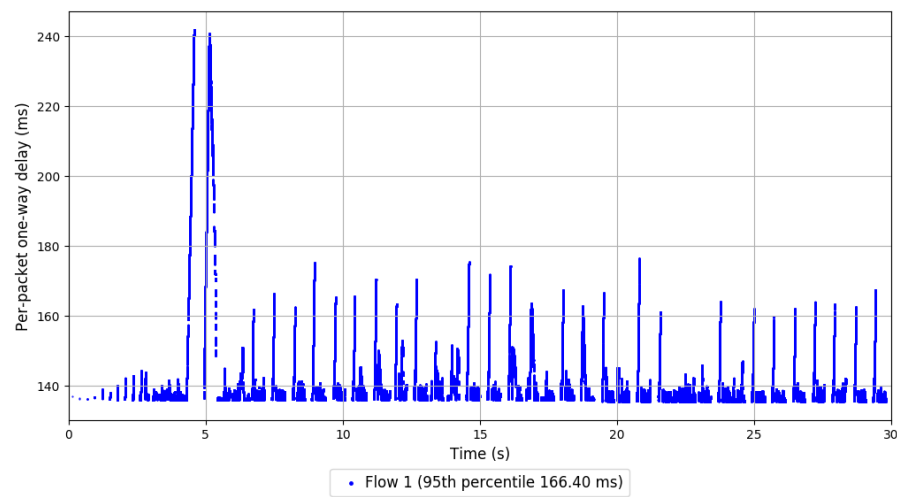
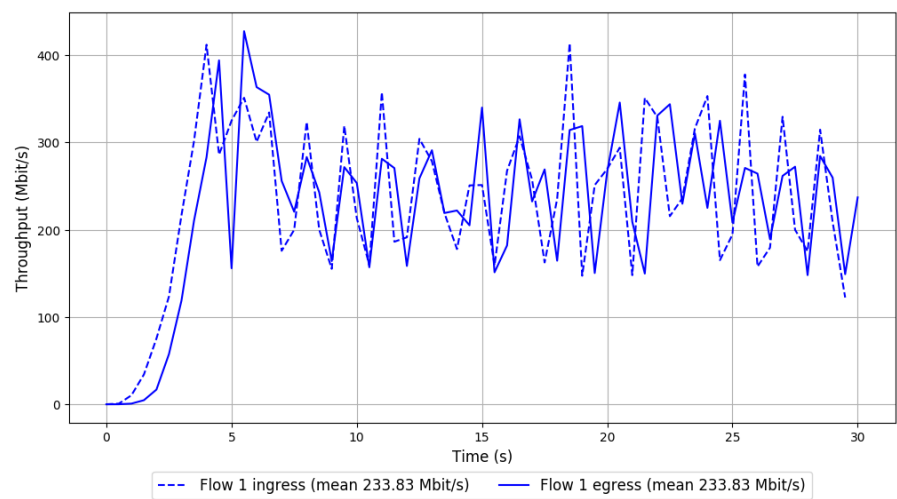


Run 3: Statistics of Verus

Start at: 2018-07-25 10:07:30
End at: 2018-07-25 10:08:00
Local clock offset: -0.009 ms
Remote clock offset: -0.257 ms

Below is generated by plot.py at 2018-07-25 14:46:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 233.83 Mbit/s
95th percentile per-packet one-way delay: 166.400 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 233.83 Mbit/s
95th percentile per-packet one-way delay: 166.400 ms
Loss rate: 0.00%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-25 10:29:49

End at: 2018-07-25 10:30:19

Local clock offset: 0.001 ms

Remote clock offset: 0.386 ms

Below is generated by plot.py at 2018-07-25 14:47:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 259.35 Mbit/s

95th percentile per-packet one-way delay: 202.306 ms

Loss rate: 0.07%

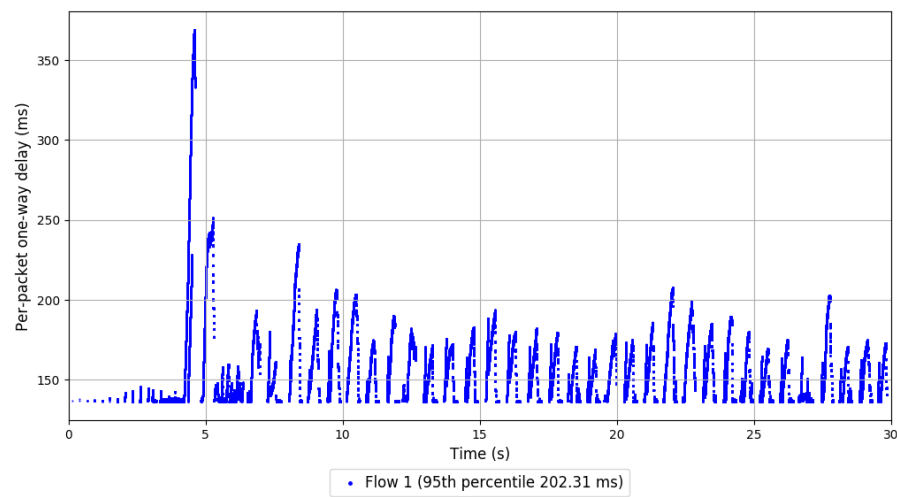
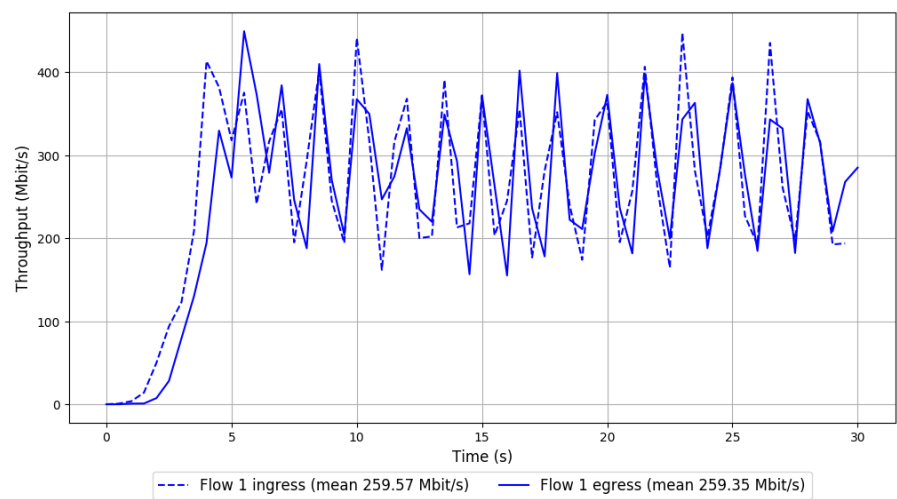
-- Flow 1:

Average throughput: 259.35 Mbit/s

95th percentile per-packet one-way delay: 202.306 ms

Loss rate: 0.07%

Run 4: Report of Verus — Data Link

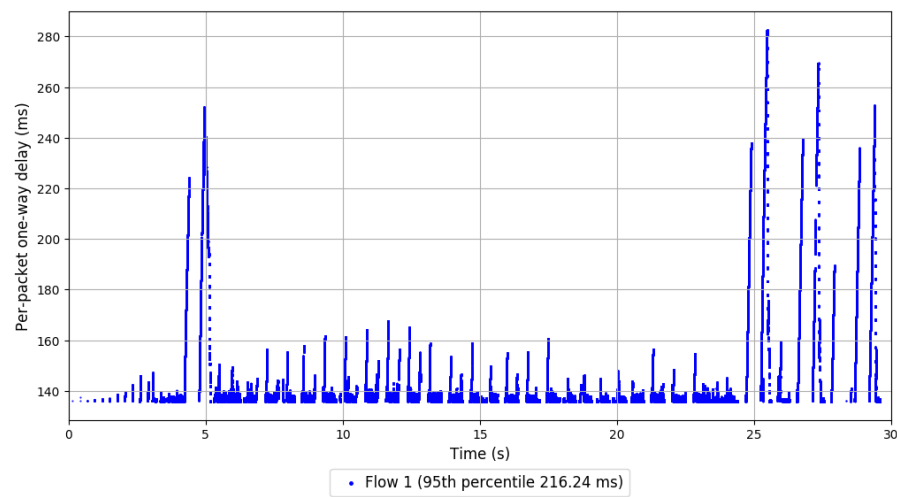
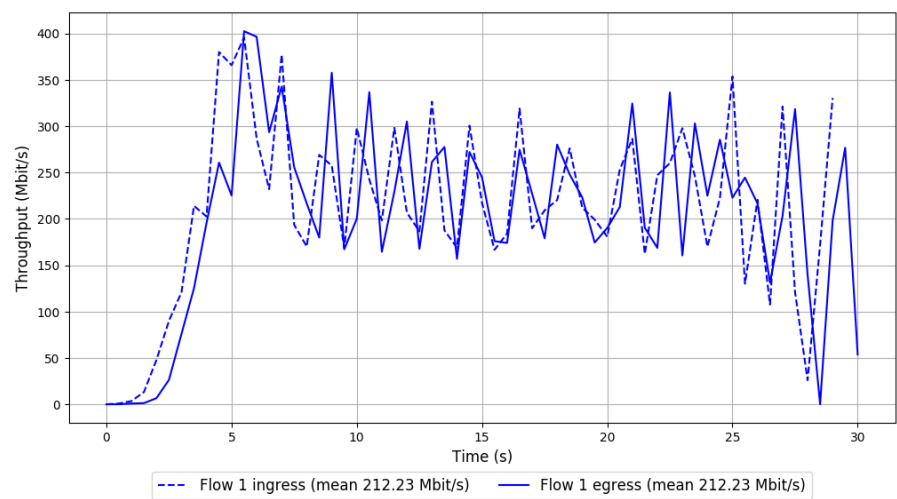


Run 5: Statistics of Verus

Start at: 2018-07-25 10:52:59
End at: 2018-07-25 10:53:29
Local clock offset: 0.041 ms
Remote clock offset: -0.362 ms

Below is generated by plot.py at 2018-07-25 14:47:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 212.23 Mbit/s
95th percentile per-packet one-way delay: 216.243 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 212.23 Mbit/s
95th percentile per-packet one-way delay: 216.243 ms
Loss rate: 0.00%

Run 5: Report of Verus — Data Link

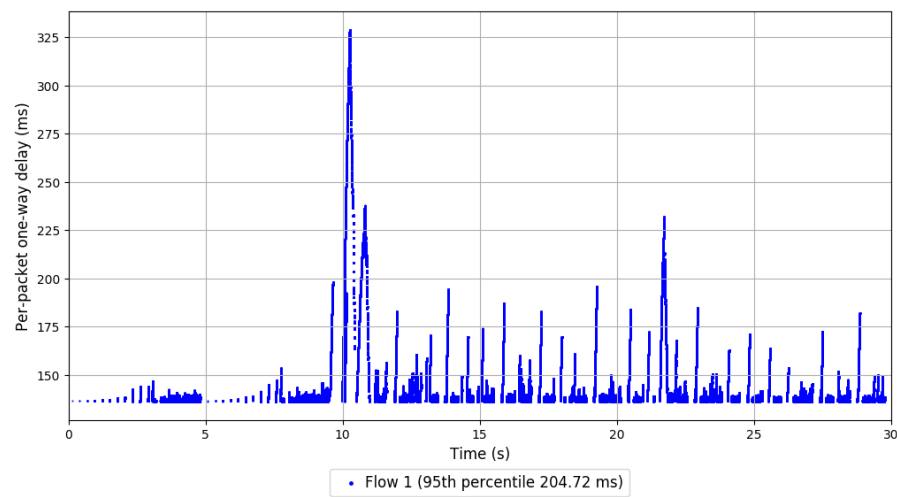
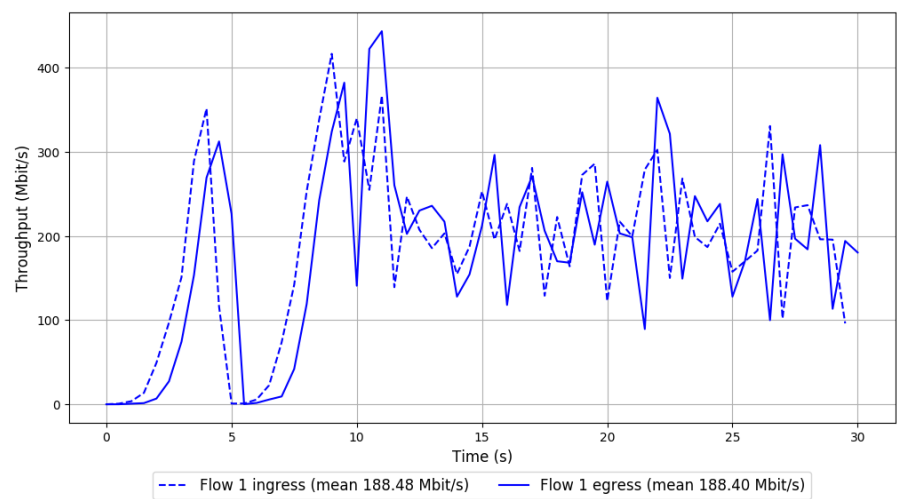


Run 6: Statistics of Verus

Start at: 2018-07-25 11:15:52
End at: 2018-07-25 11:16:22
Local clock offset: 0.035 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-25 14:47:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.40 Mbit/s
95th percentile per-packet one-way delay: 204.720 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 188.40 Mbit/s
95th percentile per-packet one-way delay: 204.720 ms
Loss rate: 0.04%

Run 6: Report of Verus — Data Link

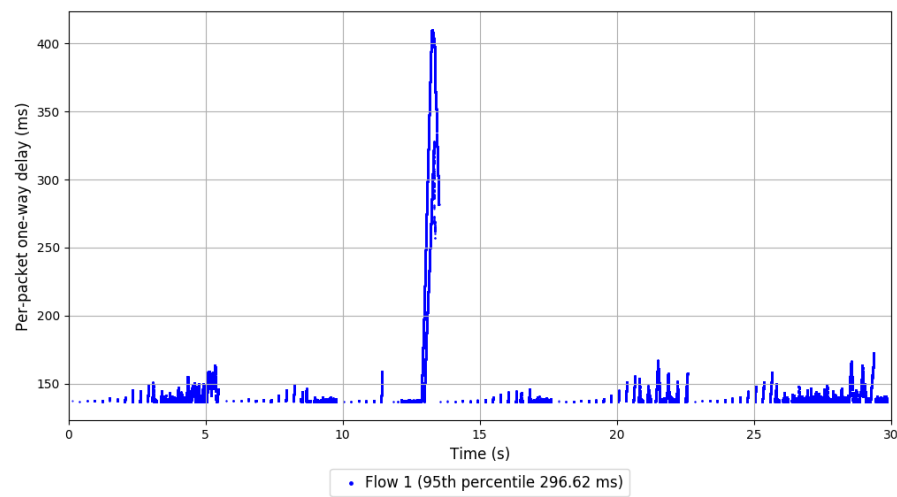
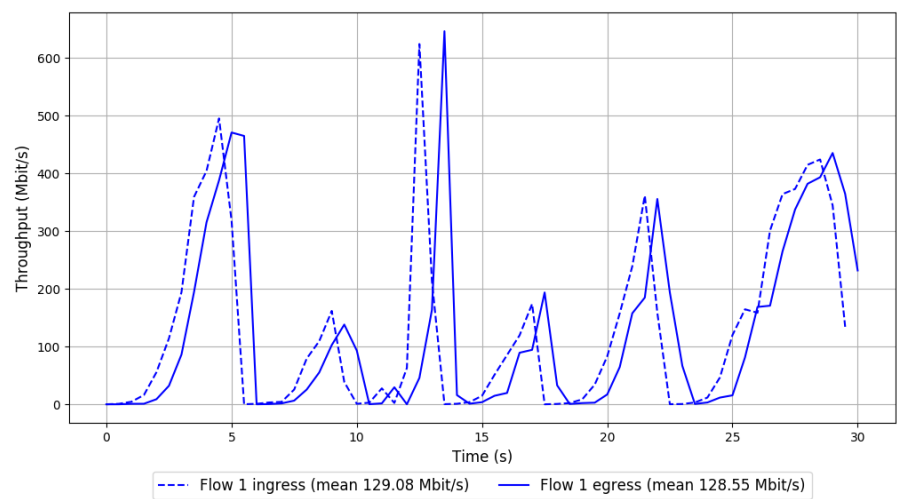


Run 7: Statistics of Verus

Start at: 2018-07-25 11:38:31
End at: 2018-07-25 11:39:01
Local clock offset: -0.045 ms
Remote clock offset: 0.387 ms

Below is generated by plot.py at 2018-07-25 14:47:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 128.55 Mbit/s
95th percentile per-packet one-way delay: 296.623 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 128.55 Mbit/s
95th percentile per-packet one-way delay: 296.623 ms
Loss rate: 0.41%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-25 12:01:35

End at: 2018-07-25 12:02:05

Local clock offset: 0.17 ms

Remote clock offset: 0.065 ms

Below is generated by plot.py at 2018-07-25 14:47:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 144.45 Mbit/s

95th percentile per-packet one-way delay: 165.952 ms

Loss rate: 0.00%

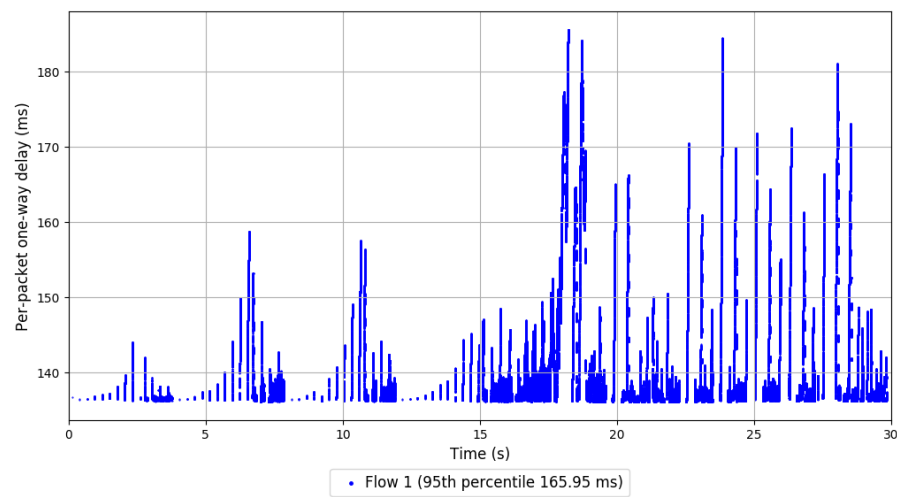
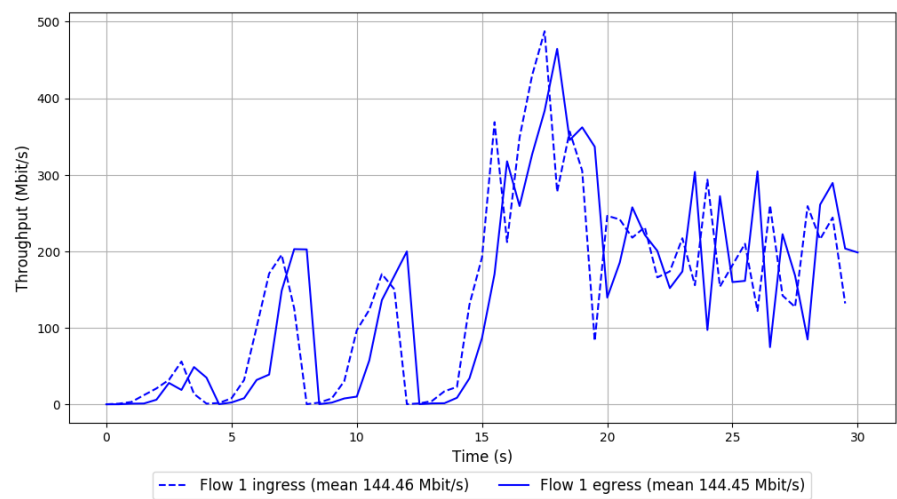
-- Flow 1:

Average throughput: 144.45 Mbit/s

95th percentile per-packet one-way delay: 165.952 ms

Loss rate: 0.00%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-25 12:24:38

End at: 2018-07-25 12:25:08

Local clock offset: 0.059 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-25 14:48:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.03 Mbit/s

95th percentile per-packet one-way delay: 166.351 ms

Loss rate: 0.00%

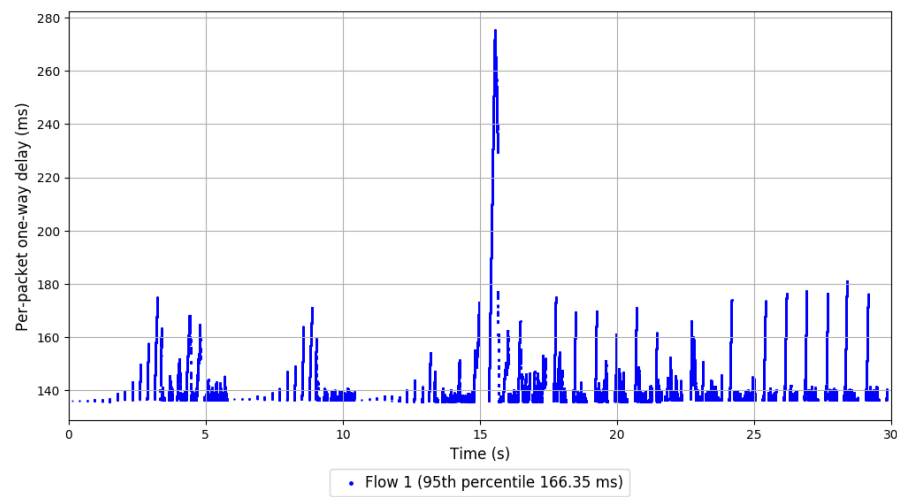
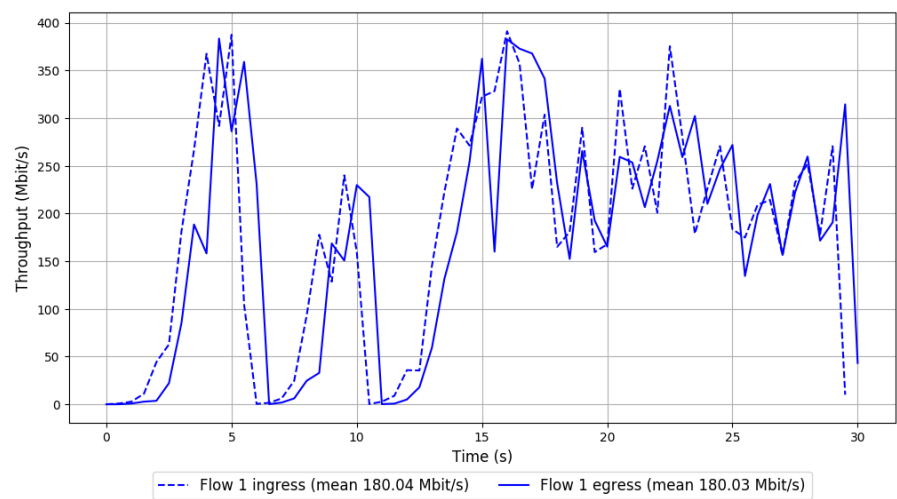
-- Flow 1:

Average throughput: 180.03 Mbit/s

95th percentile per-packet one-way delay: 166.351 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-25 12:47:27

End at: 2018-07-25 12:47:57

Local clock offset: 0.067 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-07-25 14:48:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 193.44 Mbit/s

95th percentile per-packet one-way delay: 175.594 ms

Loss rate: 0.00%

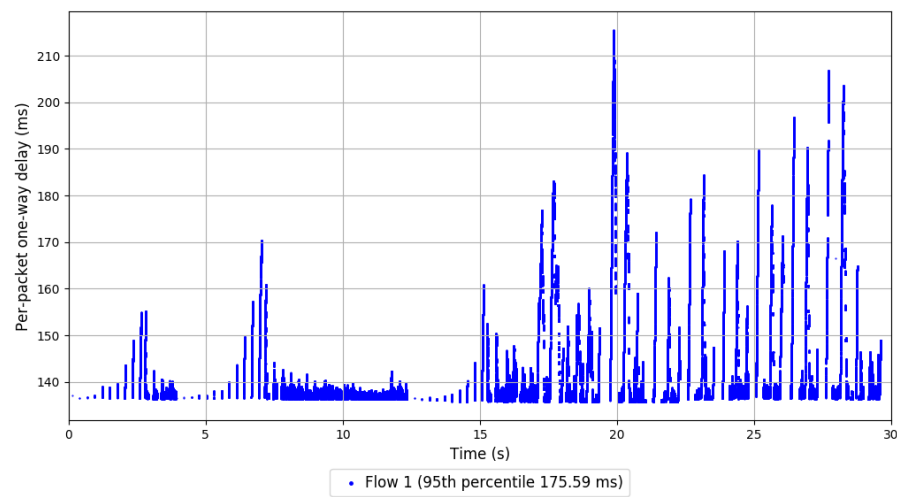
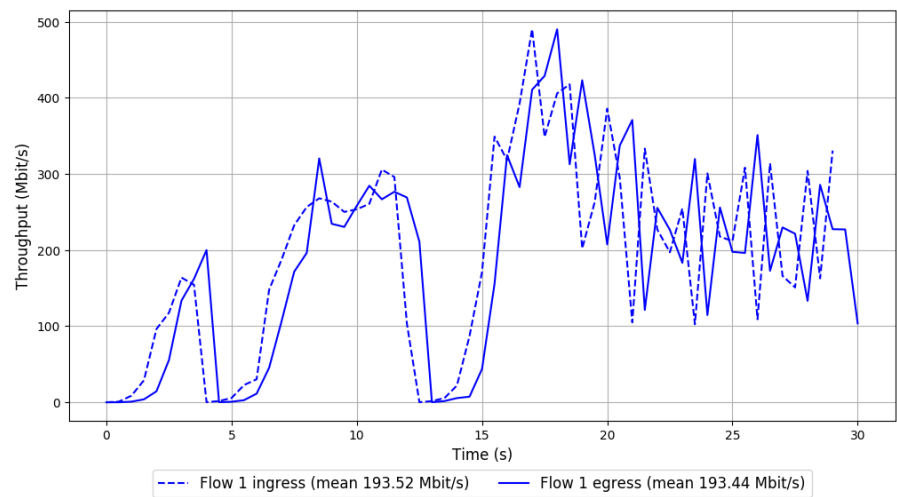
-- Flow 1:

Average throughput: 193.44 Mbit/s

95th percentile per-packet one-way delay: 175.594 ms

Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-25 09:18:50

End at: 2018-07-25 09:19:20

Local clock offset: 0.104 ms

Remote clock offset: 0.463 ms

Below is generated by plot.py at 2018-07-25 14:54:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 339.59 Mbit/s

95th percentile per-packet one-way delay: 137.923 ms

Loss rate: 0.00%

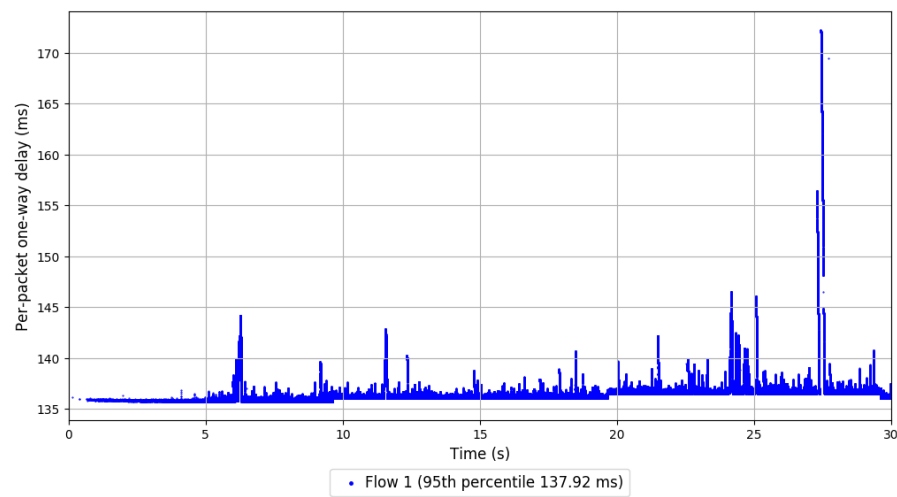
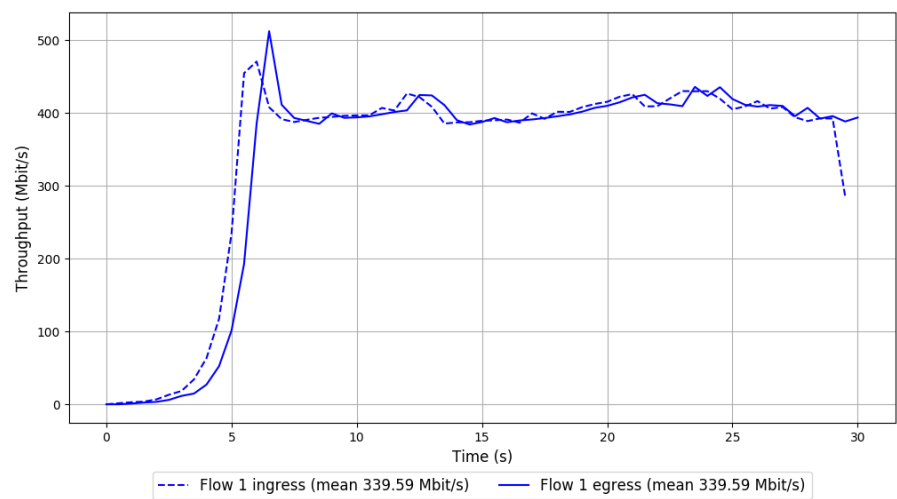
-- Flow 1:

Average throughput: 339.59 Mbit/s

95th percentile per-packet one-way delay: 137.923 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-25 09:41:52

End at: 2018-07-25 09:42:22

Local clock offset: -0.07 ms

Remote clock offset: 0.078 ms

Below is generated by plot.py at 2018-07-25 14:54:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.10 Mbit/s

95th percentile per-packet one-way delay: 136.573 ms

Loss rate: 0.00%

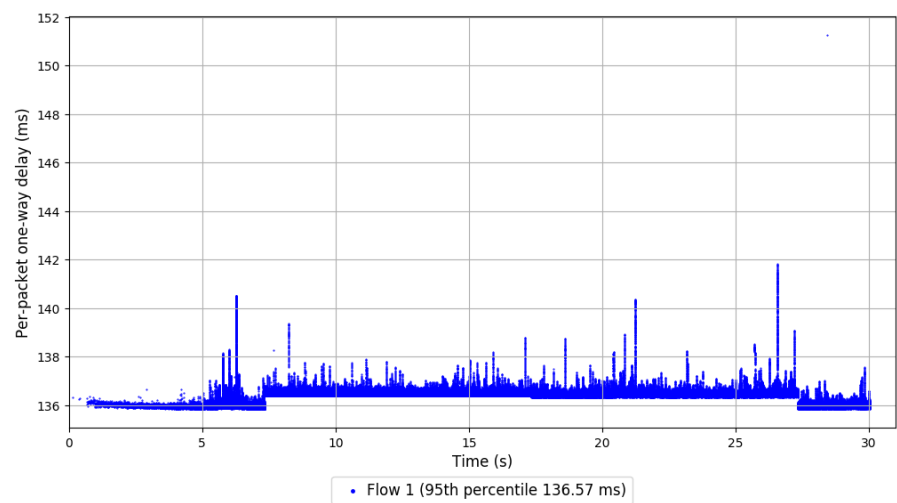
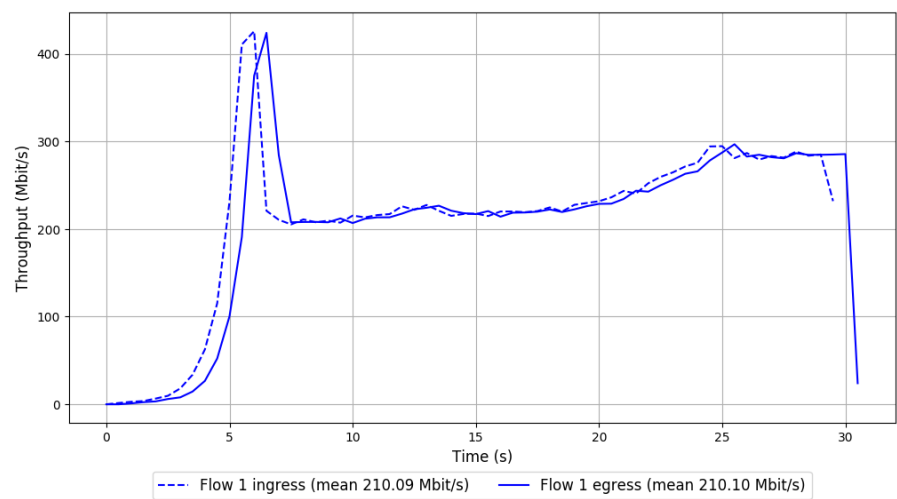
-- Flow 1:

Average throughput: 210.10 Mbit/s

95th percentile per-packet one-way delay: 136.573 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-25 10:04:52

End at: 2018-07-25 10:05:22

Local clock offset: -0.025 ms

Remote clock offset: -0.23 ms

Below is generated by plot.py at 2018-07-25 14:54:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 256.99 Mbit/s

95th percentile per-packet one-way delay: 135.787 ms

Loss rate: 0.00%

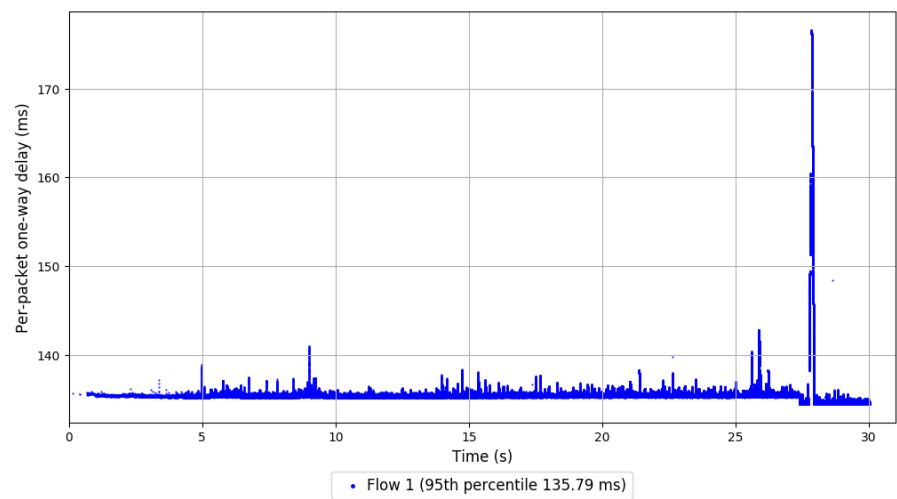
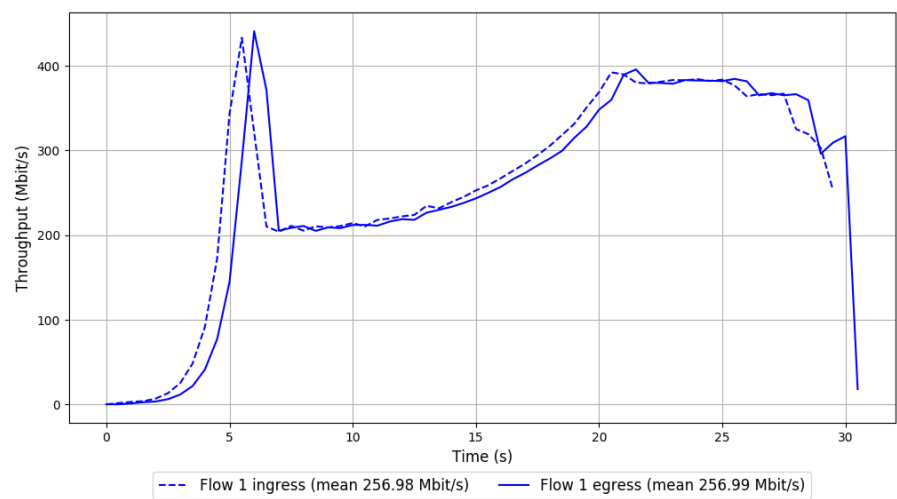
-- Flow 1:

Average throughput: 256.99 Mbit/s

95th percentile per-packet one-way delay: 135.787 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

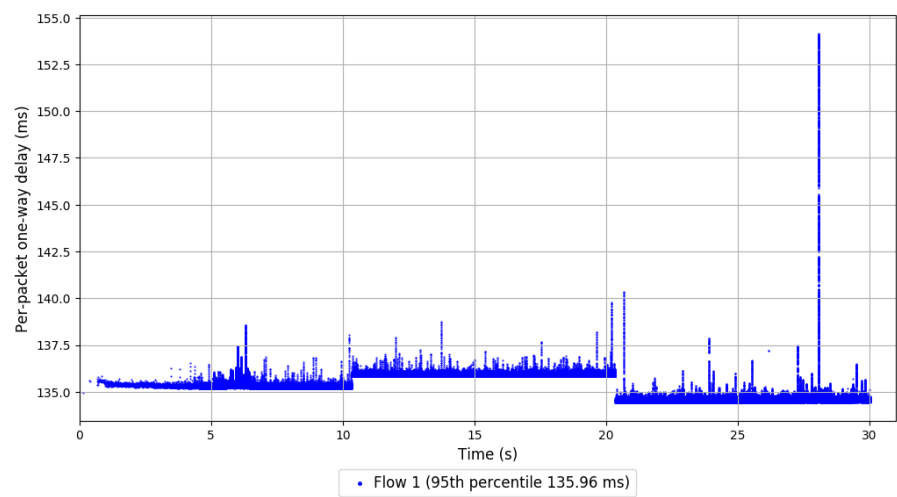
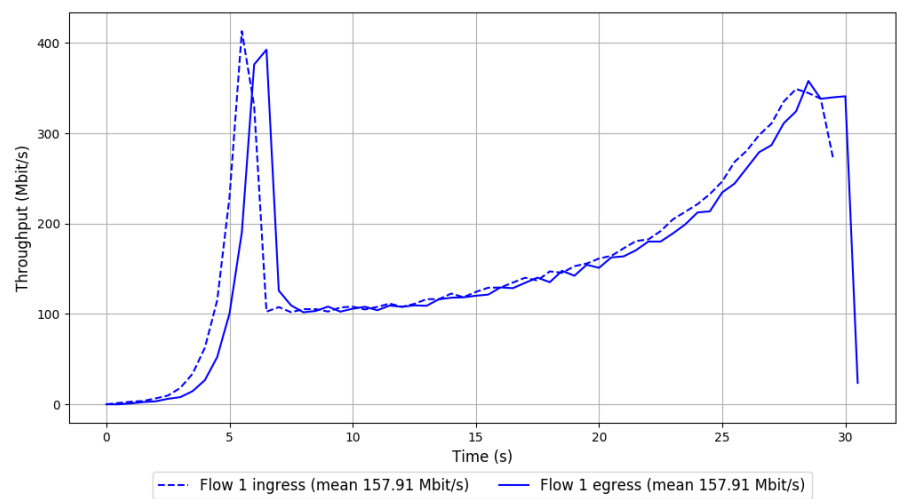


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-25 10:27:19
End at: 2018-07-25 10:27:49
Local clock offset: -0.152 ms
Remote clock offset: -0.322 ms

Below is generated by plot.py at 2018-07-25 14:54:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 157.91 Mbit/s
95th percentile per-packet one-way delay: 135.958 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 157.91 Mbit/s
95th percentile per-packet one-way delay: 135.958 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

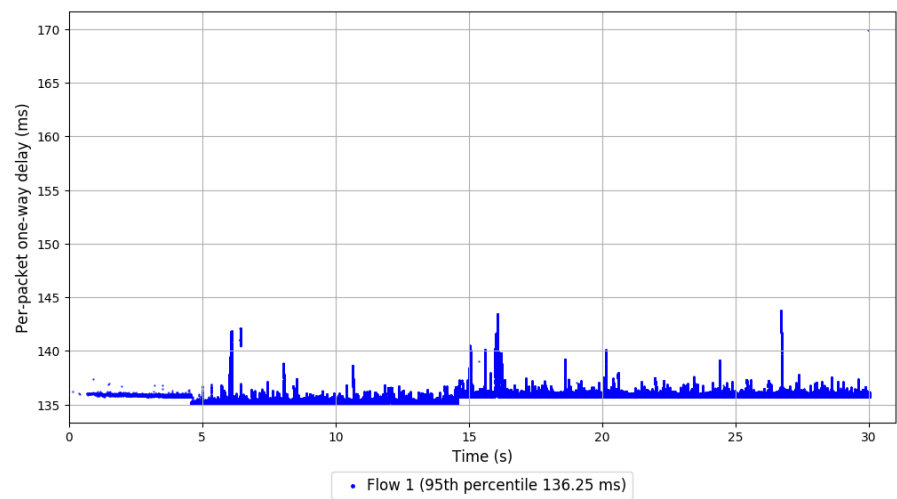
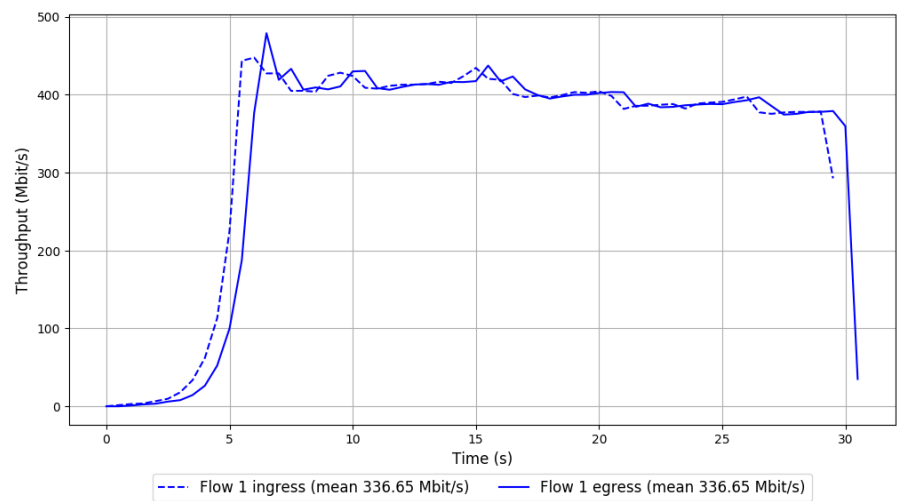


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-25 10:50:15
End at: 2018-07-25 10:50:45
Local clock offset: -0.041 ms
Remote clock offset: -0.402 ms

Below is generated by plot.py at 2018-07-25 14:54:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 336.65 Mbit/s
95th percentile per-packet one-way delay: 136.250 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 336.65 Mbit/s
95th percentile per-packet one-way delay: 136.250 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-25 11:13:22

End at: 2018-07-25 11:13:52

Local clock offset: 0.042 ms

Remote clock offset: 0.306 ms

Below is generated by plot.py at 2018-07-25 14:54:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 162.36 Mbit/s

95th percentile per-packet one-way delay: 136.748 ms

Loss rate: 0.01%

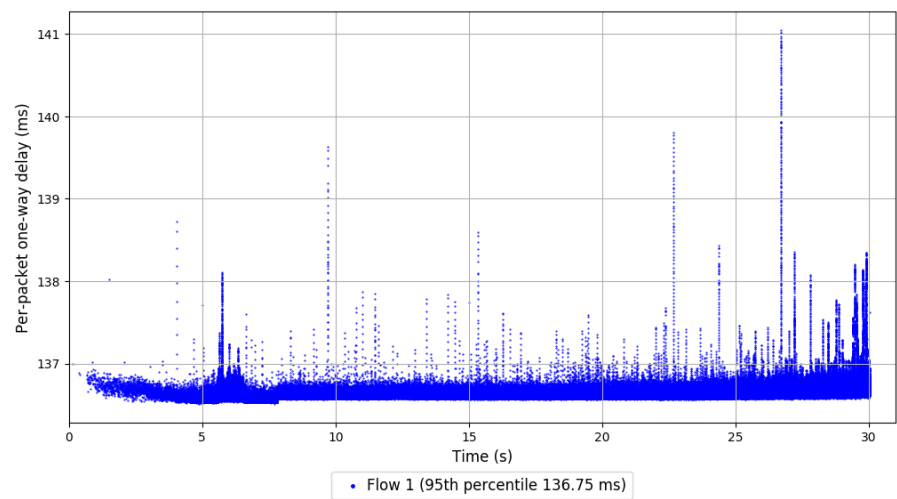
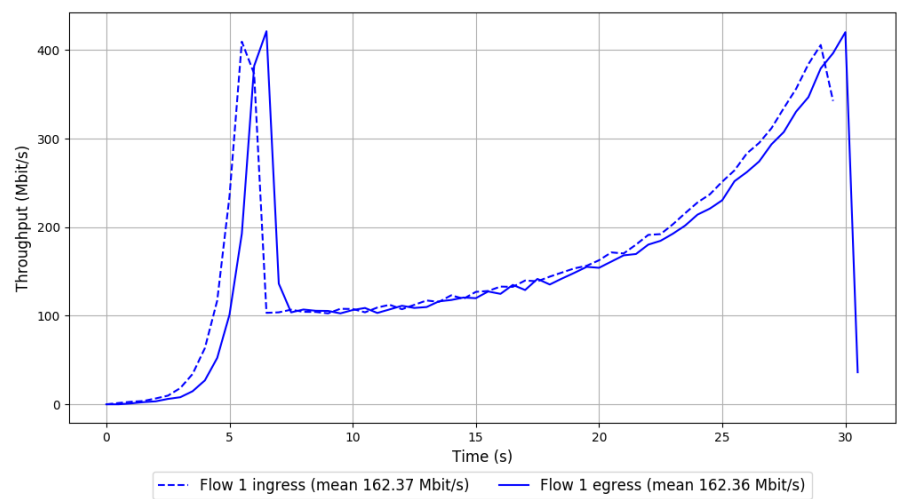
-- Flow 1:

Average throughput: 162.36 Mbit/s

95th percentile per-packet one-way delay: 136.748 ms

Loss rate: 0.01%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-25 11:35:54

End at: 2018-07-25 11:36:24

Local clock offset: 0.099 ms

Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-25 14:54:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 246.49 Mbit/s

95th percentile per-packet one-way delay: 136.275 ms

Loss rate: 0.00%

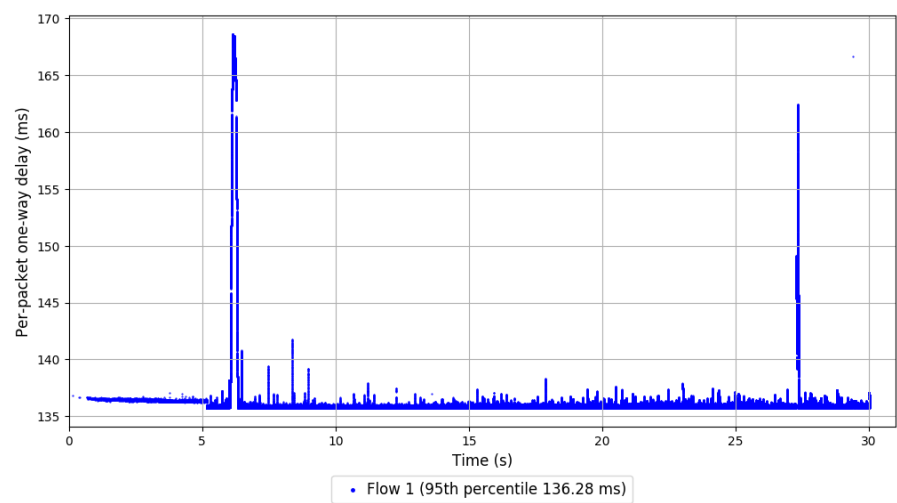
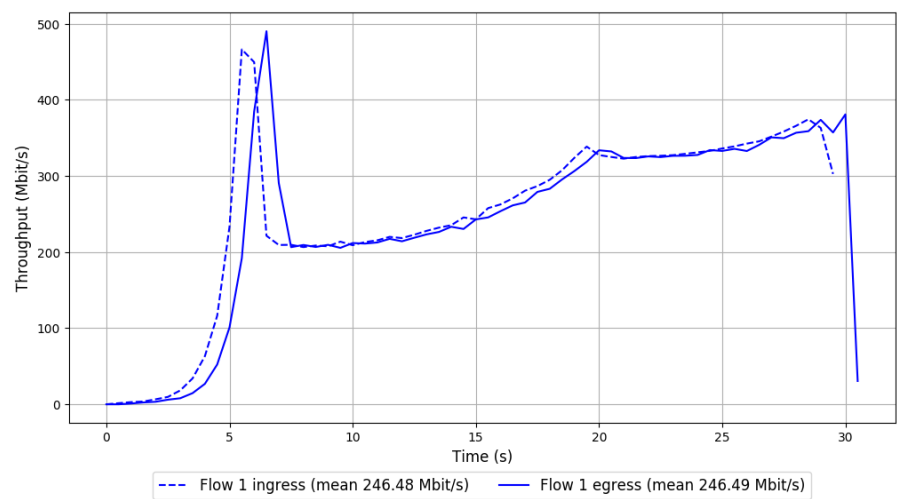
-- Flow 1:

Average throughput: 246.49 Mbit/s

95th percentile per-packet one-way delay: 136.275 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-25 11:58:53

End at: 2018-07-25 11:59:23

Local clock offset: -0.072 ms

Remote clock offset: 0.332 ms

Below is generated by plot.py at 2018-07-25 14:55:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 321.89 Mbit/s

95th percentile per-packet one-way delay: 136.458 ms

Loss rate: 0.00%

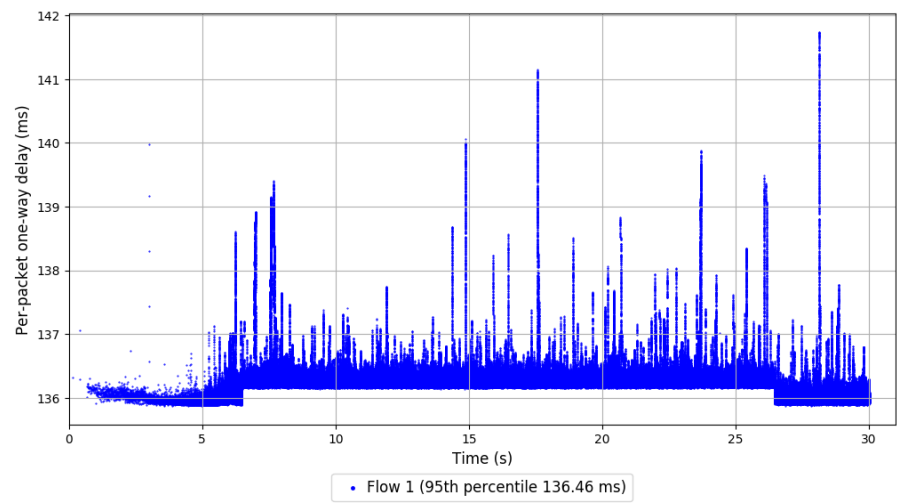
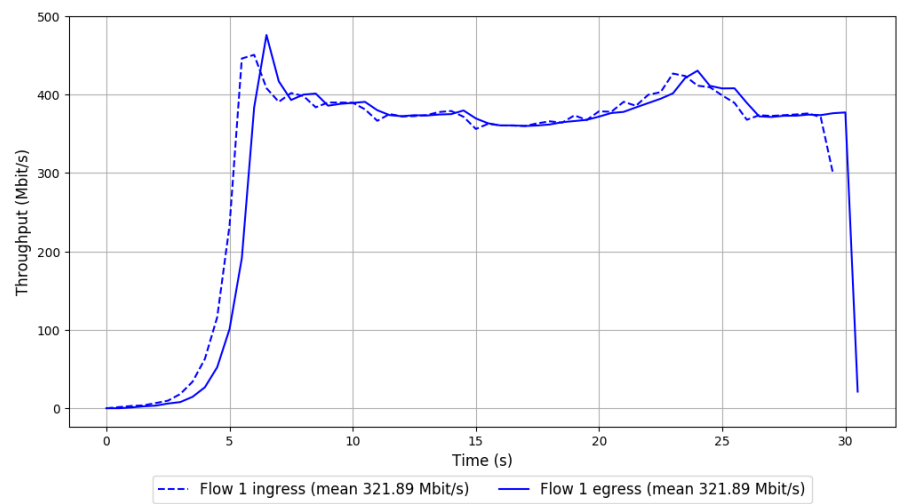
-- Flow 1:

Average throughput: 321.89 Mbit/s

95th percentile per-packet one-way delay: 136.458 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-25 12:21:55

End at: 2018-07-25 12:22:25

Local clock offset: -0.056 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-07-25 14:55:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 325.37 Mbit/s

95th percentile per-packet one-way delay: 137.709 ms

Loss rate: 0.00%

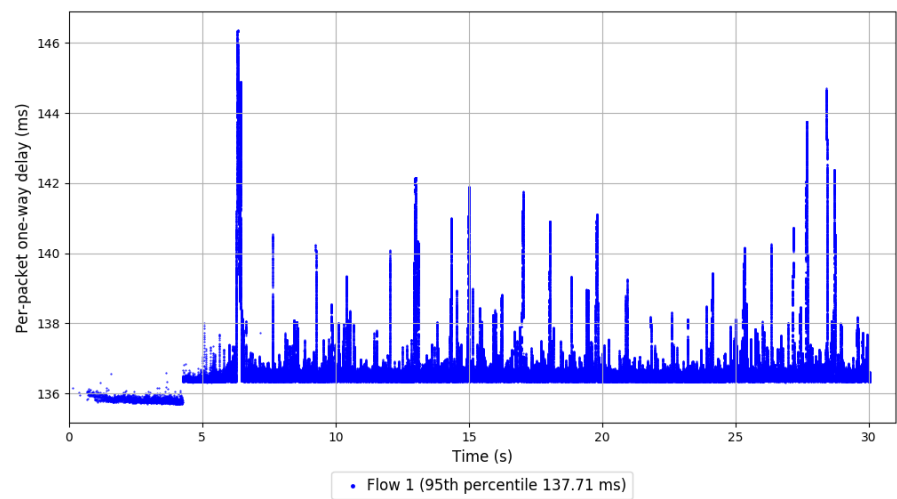
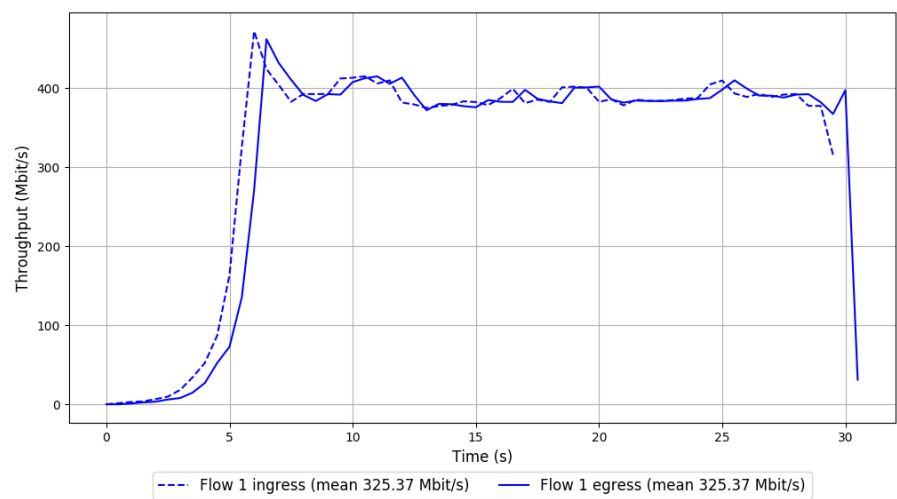
-- Flow 1:

Average throughput: 325.37 Mbit/s

95th percentile per-packet one-way delay: 137.709 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-25 12:44:48

End at: 2018-07-25 12:45:18

Local clock offset: 0.077 ms

Remote clock offset: -0.383 ms

Below is generated by plot.py at 2018-07-25 14:55:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 267.34 Mbit/s

95th percentile per-packet one-way delay: 140.444 ms

Loss rate: 0.00%

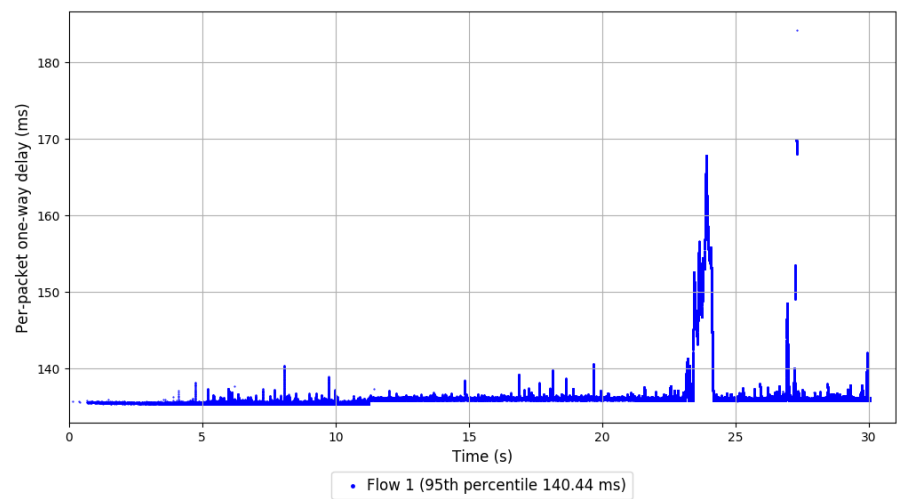
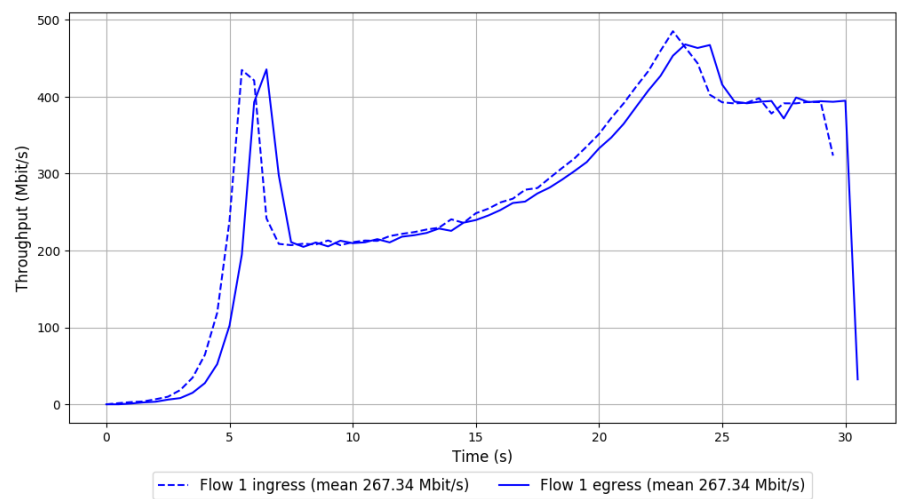
-- Flow 1:

Average throughput: 267.34 Mbit/s

95th percentile per-packet one-way delay: 140.444 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-25 09:20:25

End at: 2018-07-25 09:20:55

Local clock offset: -0.139 ms

Remote clock offset: 0.093 ms

Below is generated by plot.py at 2018-07-25 14:55:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 137.160 ms

Loss rate: 0.00%

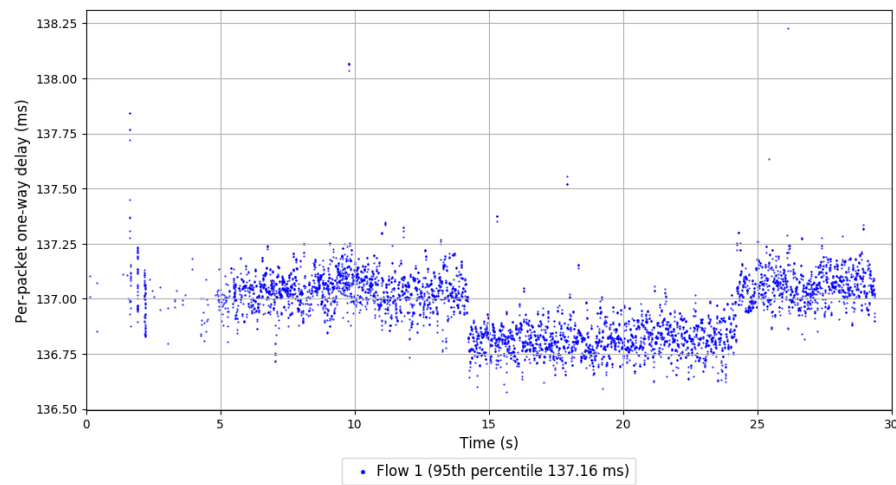
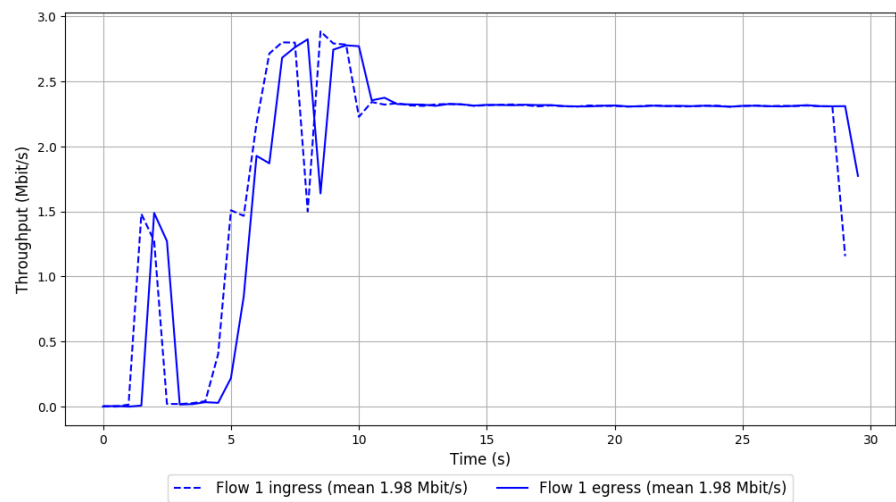
-- Flow 1:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 137.160 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-25 09:43:17

End at: 2018-07-25 09:43:47

Local clock offset: -0.105 ms

Remote clock offset: 0.469 ms

Below is generated by plot.py at 2018-07-25 14:55:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 136.824 ms

Loss rate: 0.00%

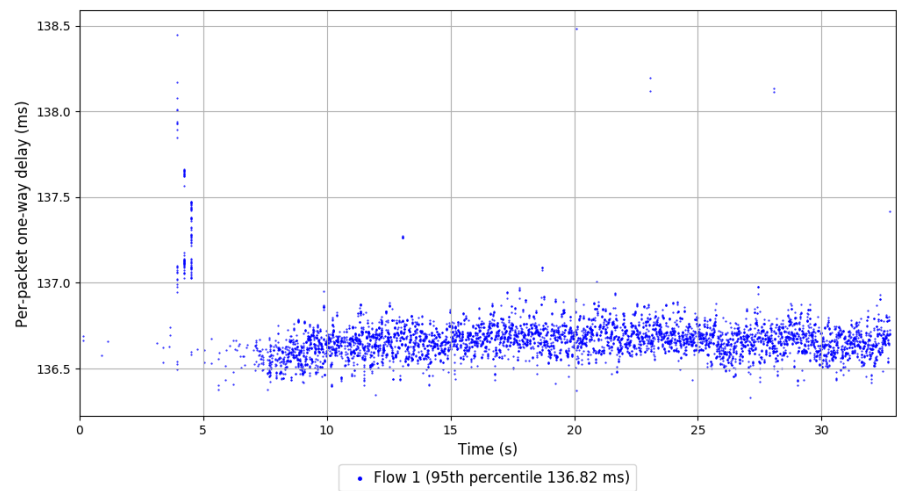
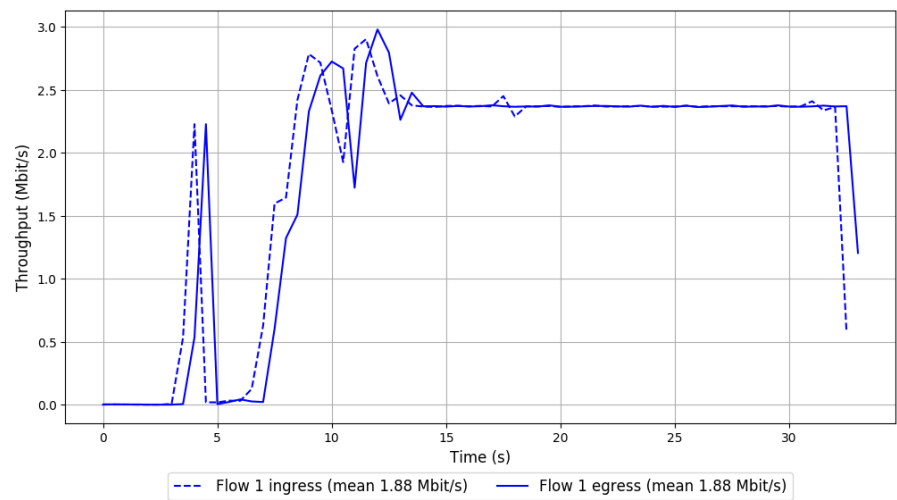
-- Flow 1:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 136.824 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-25 10:06:21

End at: 2018-07-25 10:06:51

Local clock offset: -0.111 ms

Remote clock offset: 0.453 ms

Below is generated by plot.py at 2018-07-25 14:55:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 136.192 ms

Loss rate: 0.00%

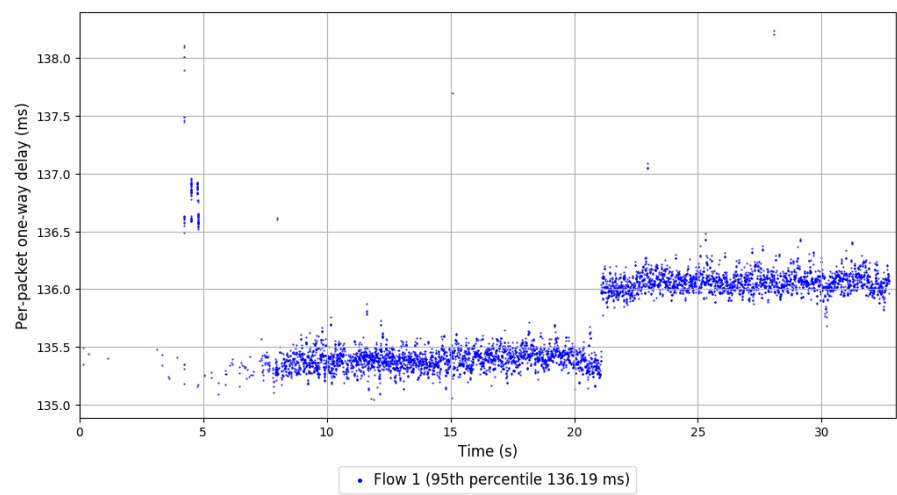
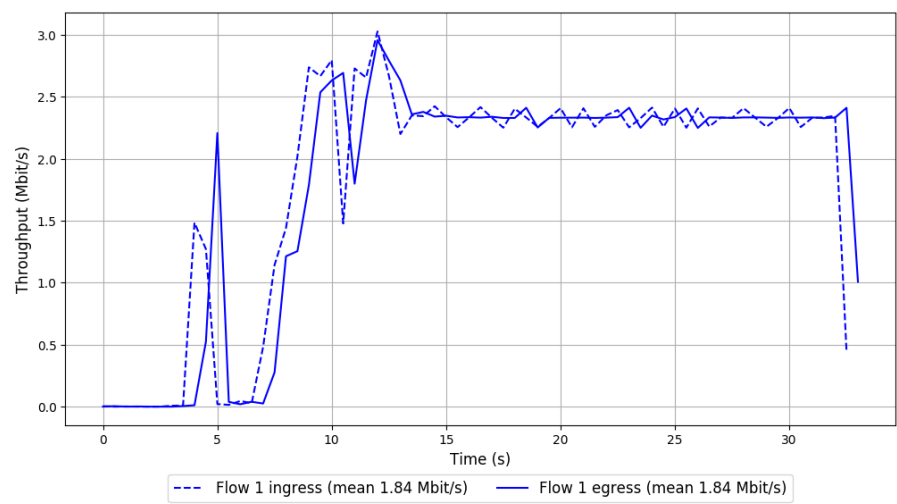
-- Flow 1:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 136.192 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-25 10:28:40

End at: 2018-07-25 10:29:10

Local clock offset: -0.271 ms

Remote clock offset: 0.418 ms

Below is generated by plot.py at 2018-07-25 14:55:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 136.684 ms

Loss rate: 0.00%

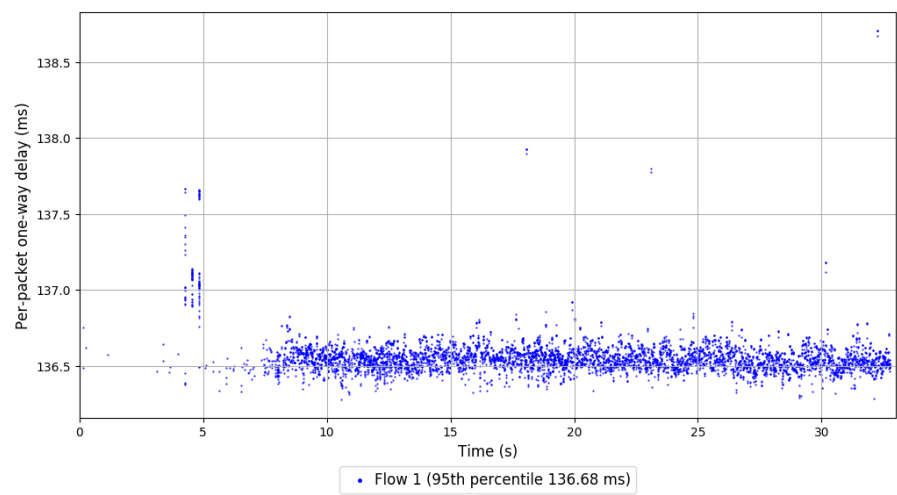
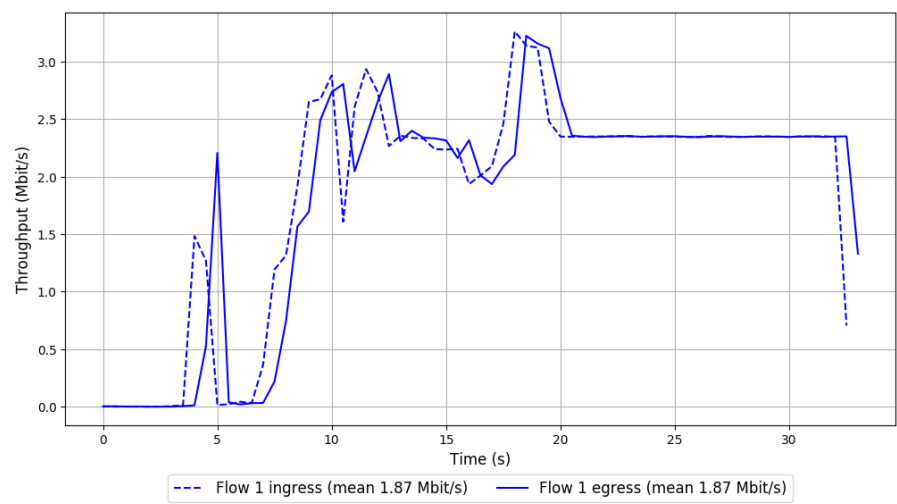
-- Flow 1:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 136.684 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-25 10:51:50

End at: 2018-07-25 10:52:20

Local clock offset: 0.026 ms

Remote clock offset: 0.336 ms

Below is generated by plot.py at 2018-07-25 14:55:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.83 Mbit/s

95th percentile per-packet one-way delay: 136.271 ms

Loss rate: 0.00%

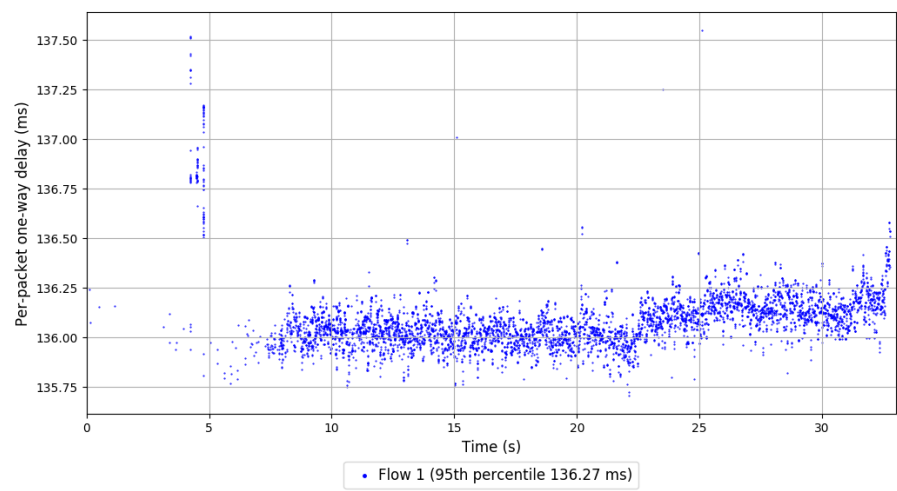
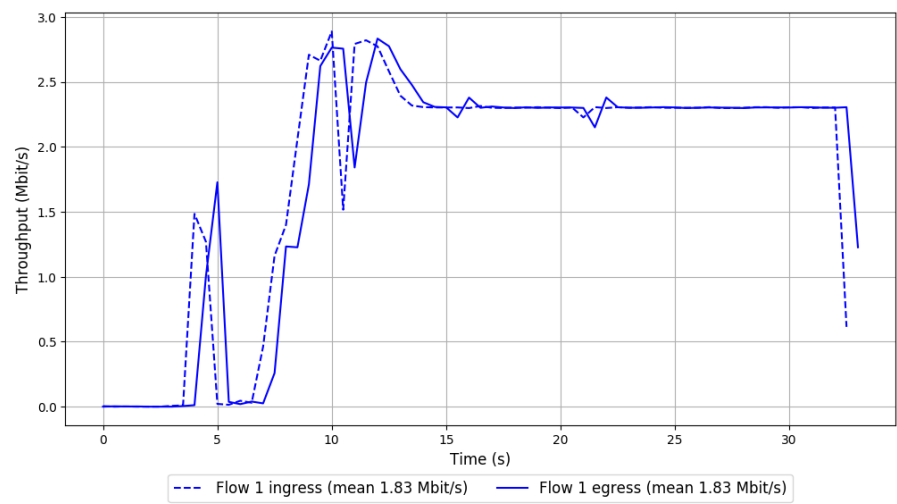
-- Flow 1:

Average throughput: 1.83 Mbit/s

95th percentile per-packet one-way delay: 136.271 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

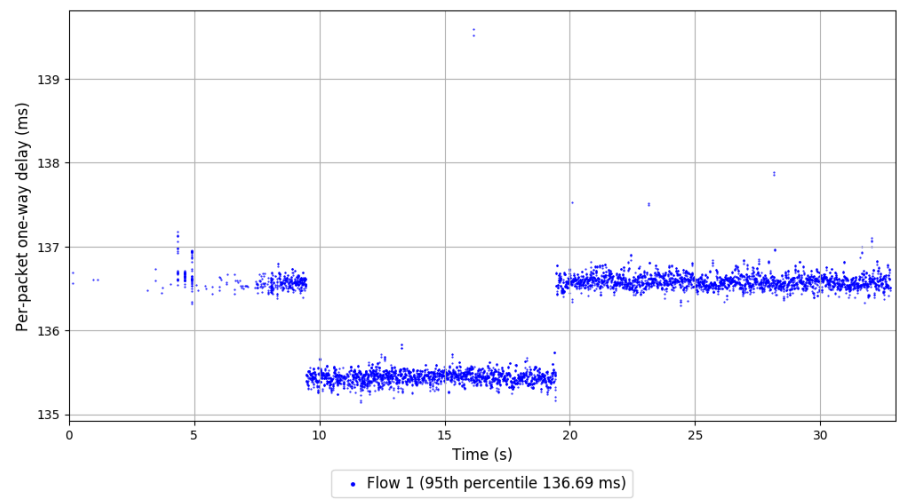
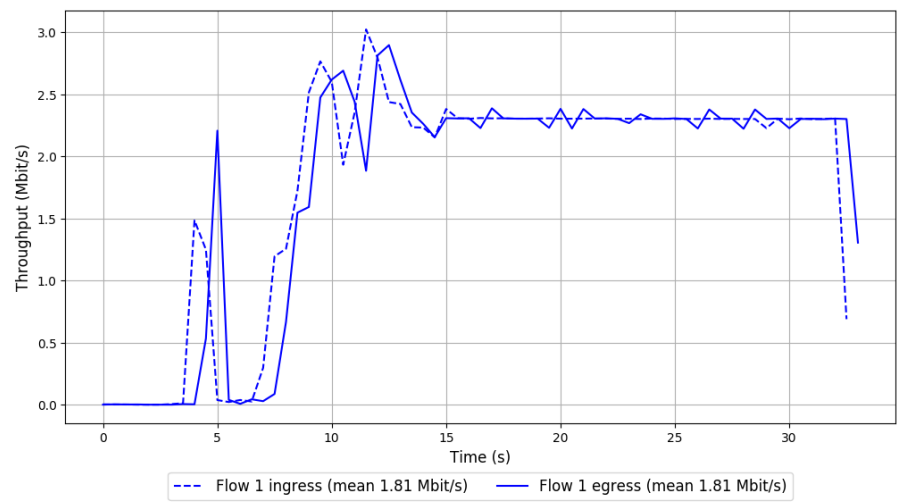


Run 6: Statistics of WebRTC media

Start at: 2018-07-25 11:14:43
End at: 2018-07-25 11:15:13
Local clock offset: 0.065 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-25 14:55:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 136.694 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 136.694 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-25 11:37:22

End at: 2018-07-25 11:37:52

Local clock offset: 0.187 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-25 14:55:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.80 Mbit/s

95th percentile per-packet one-way delay: 136.550 ms

Loss rate: 0.03%

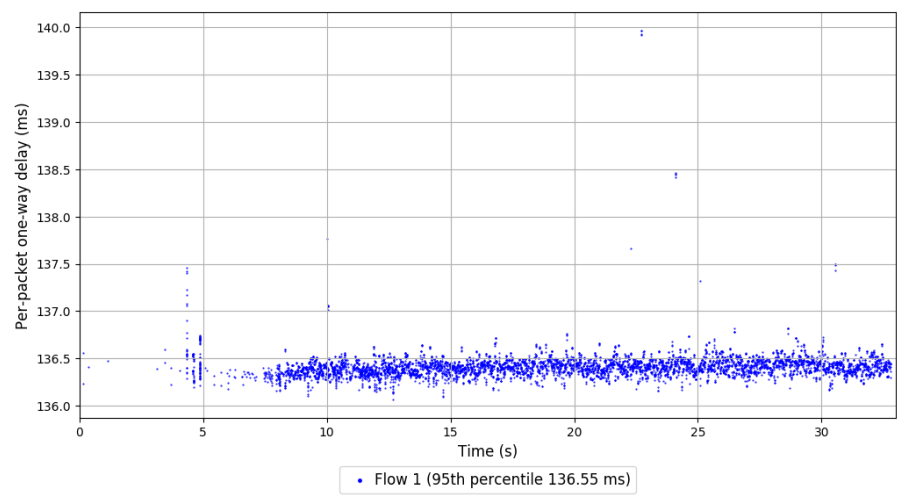
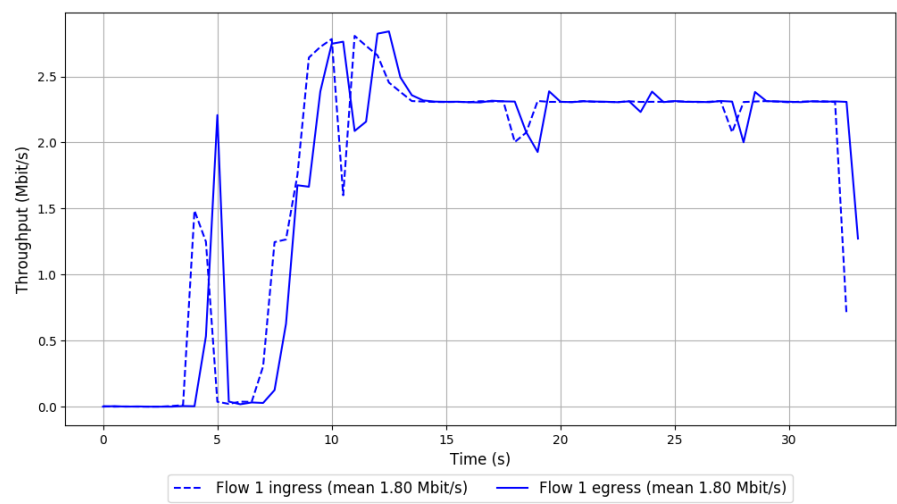
-- Flow 1:

Average throughput: 1.80 Mbit/s

95th percentile per-packet one-way delay: 136.550 ms

Loss rate: 0.03%

Run 7: Report of WebRTC media — Data Link

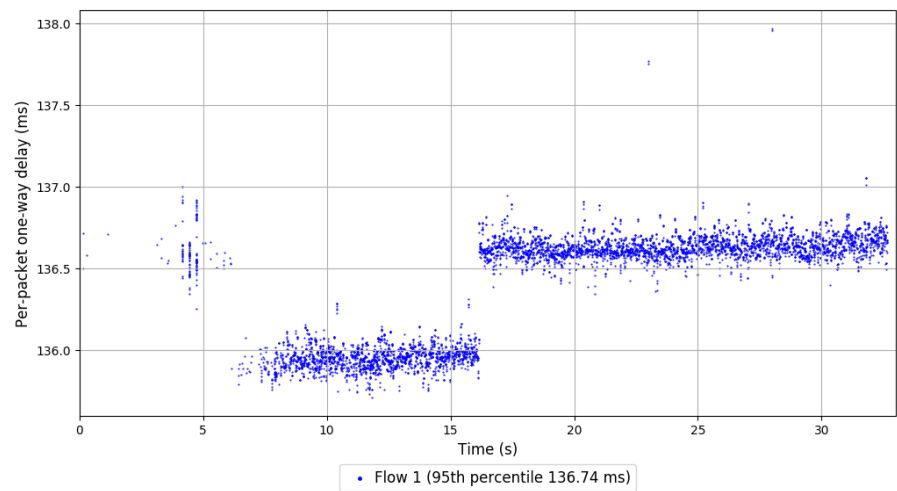
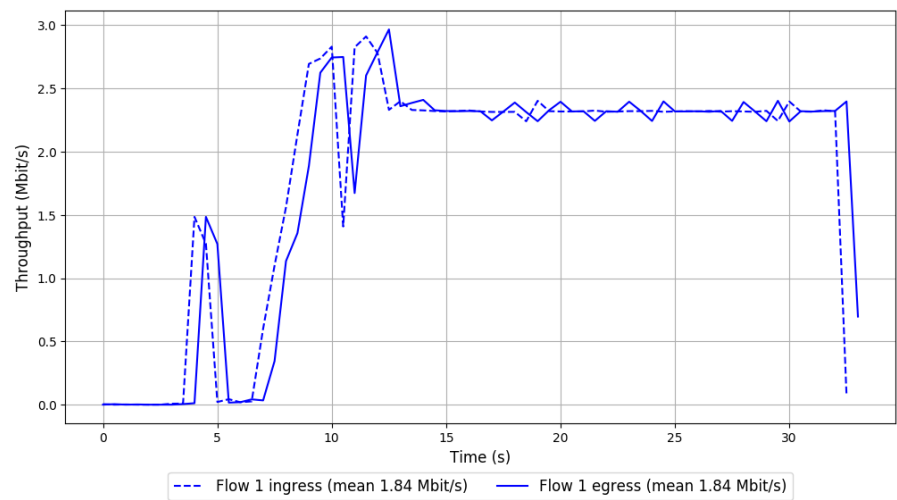


Run 8: Statistics of WebRTC media

Start at: 2018-07-25 12:00:26
End at: 2018-07-25 12:00:56
Local clock offset: -0.288 ms
Remote clock offset: -0.356 ms

Below is generated by plot.py at 2018-07-25 14:55:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 136.736 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 136.736 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

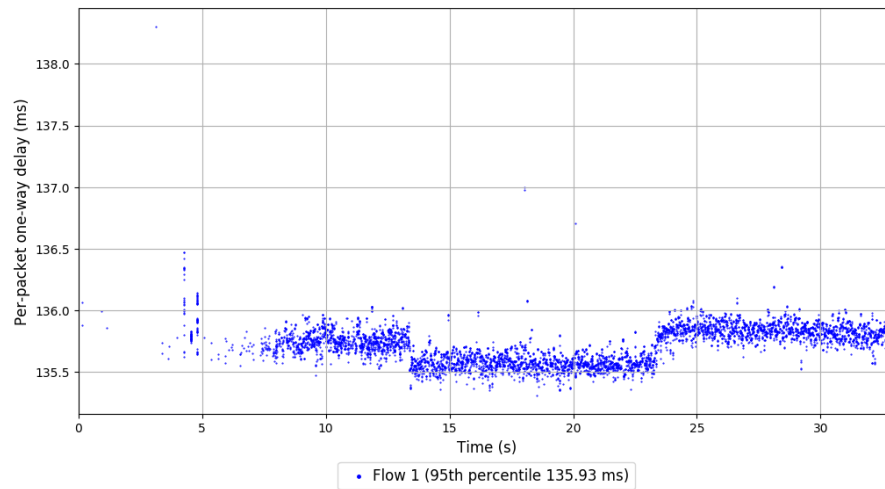
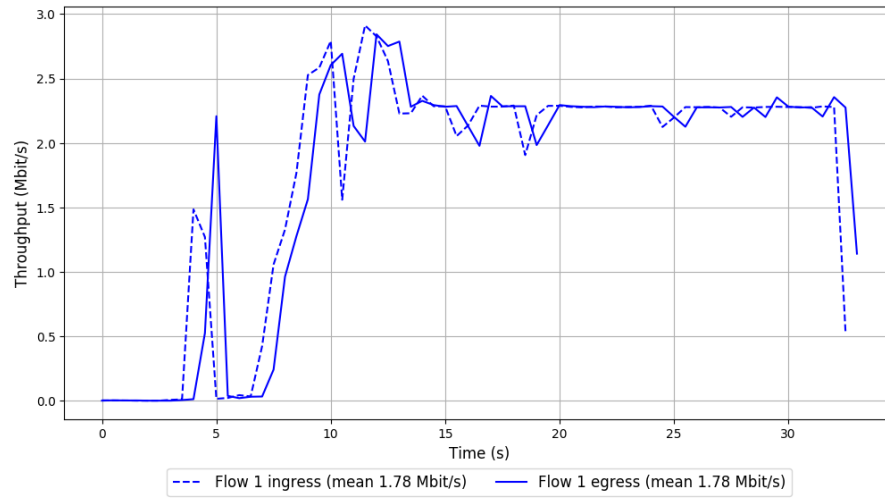


Run 9: Statistics of WebRTC media

Start at: 2018-07-25 12:23:29
End at: 2018-07-25 12:23:59
Local clock offset: -0.176 ms
Remote clock offset: -0.398 ms

Below is generated by plot.py at 2018-07-25 14:55:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 135.925 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 135.925 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-25 12:46:18

End at: 2018-07-25 12:46:48

Local clock offset: -0.038 ms

Remote clock offset: -0.372 ms

Below is generated by plot.py at 2018-07-25 14:55:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 136.434 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 136.434 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

