

Pantheon Report

Generated at 2018-07-01 16:21:22 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

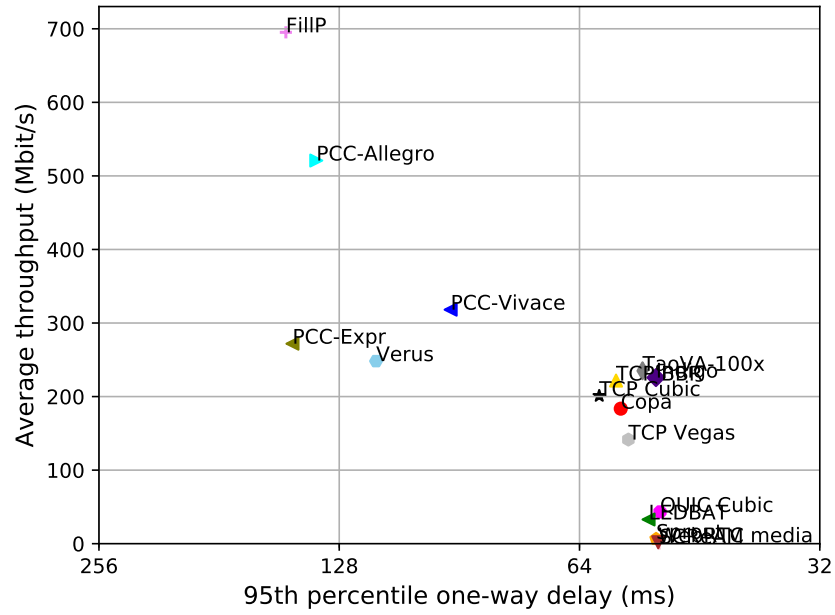
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

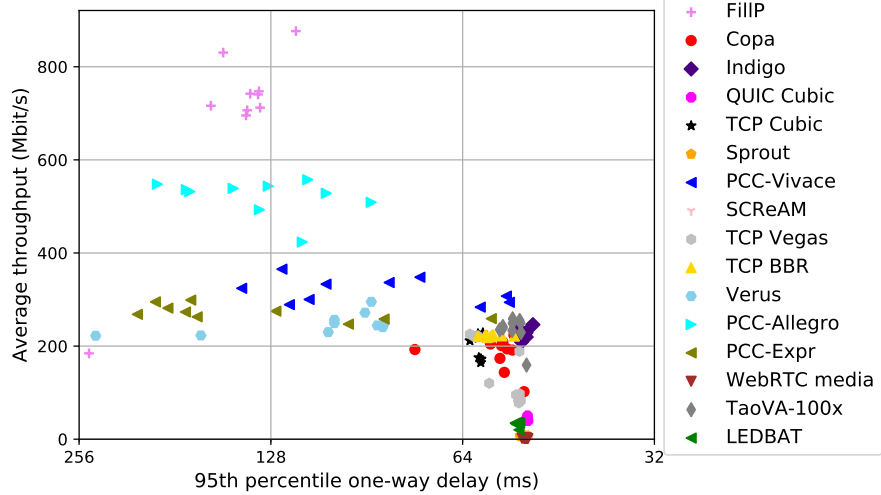
Git summary:

```
branch: master @ 715dc5f09d172e419699f6f17f1cb4c45064f212
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 30060ab034deb3424347f5cc3db86198eac35d2a
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
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-quick @ 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 London to GCE Iowa, 10 runs of 30s each per scheme
(mean of all runs by scheme)



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	221.78	57.60	0.01
Copa	10	183.54	56.82	0.00
TCP Cubic	10	200.88	60.46	0.00
FillP	10	695.18	149.30	4.84
FillP-Sheep	0	N/A	N/A	N/A
Indigo	10	225.80	51.34	0.01
LEDBAT	10	32.91	52.45	0.00
PCC-Allegro	10	520.89	136.76	0.82
PCC-Expr	10	271.89	146.50	2.74
QUIC Cubic	6	43.20	50.74	0.00
SCReAM	10	0.22	50.87	0.00
Sprout	10	6.59	51.31	0.00
TaoVA-100x	10	235.06	53.36	0.01
TCP Vegas	10	141.54	55.59	0.01
Verus	10	248.20	115.10	1.35
PCC-Vivace	10	318.12	92.83	0.06
WebRTC media	10	1.93	51.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-01 11:20:22

End at: 2018-07-01 11:20:53

Local clock offset: 0.394 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-01 15:00:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.44 Mbit/s

95th percentile per-packet one-way delay: 57.740 ms

Loss rate: 0.00%

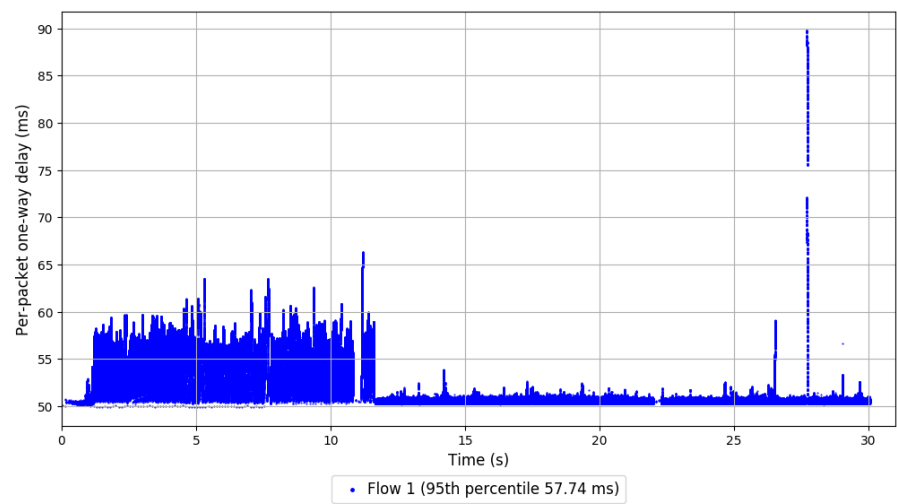
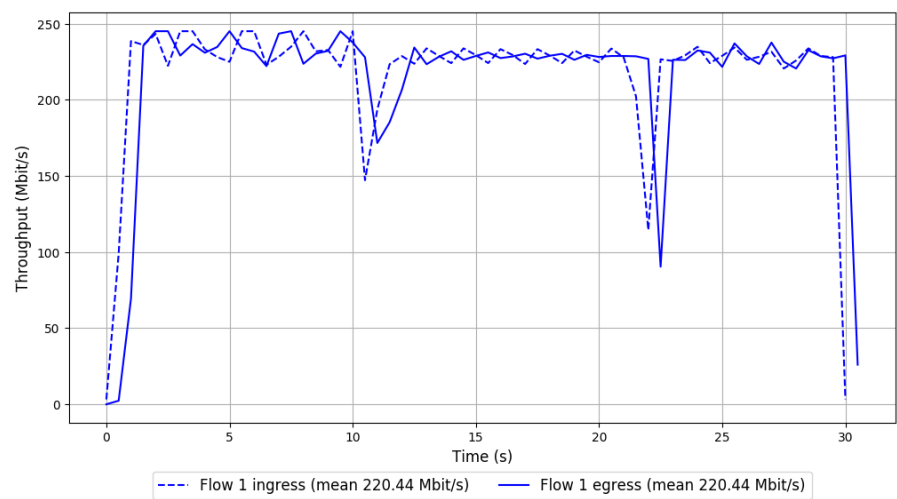
-- Flow 1:

Average throughput: 220.44 Mbit/s

95th percentile per-packet one-way delay: 57.740 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-01 11:42:03

End at: 2018-07-01 11:42:33

Local clock offset: 0.425 ms

Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-01 15:00:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.99 Mbit/s

95th percentile per-packet one-way delay: 55.529 ms

Loss rate: 0.00%

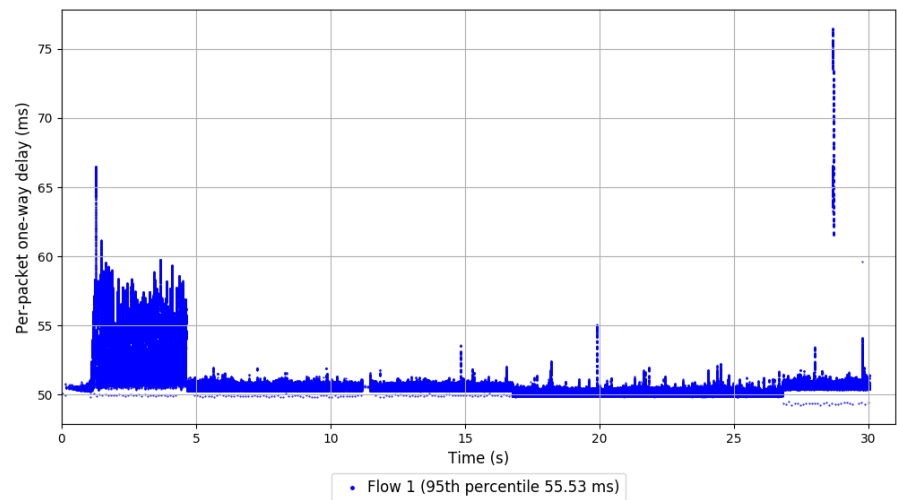
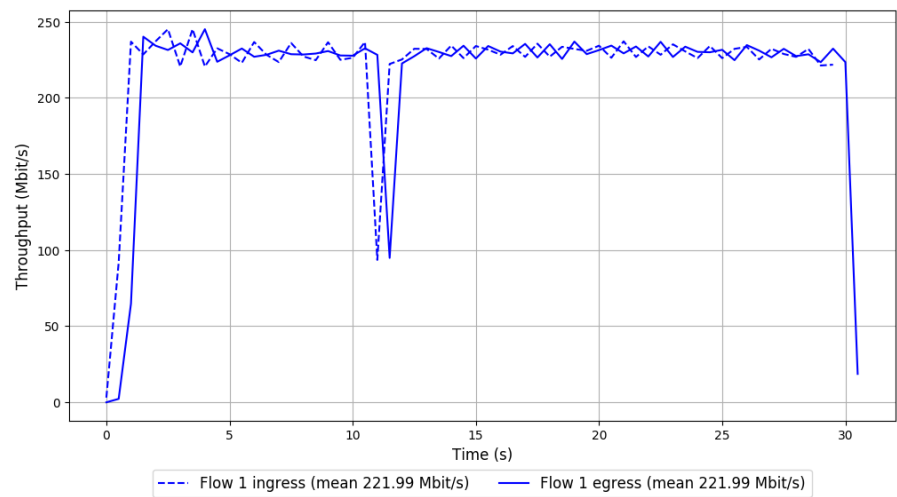
-- Flow 1:

Average throughput: 221.99 Mbit/s

95th percentile per-packet one-way delay: 55.529 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-01 12:03:40

End at: 2018-07-01 12:04:10

Local clock offset: -0.308 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-07-01 15:00:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.39 Mbit/s

95th percentile per-packet one-way delay: 57.496 ms

Loss rate: 0.00%

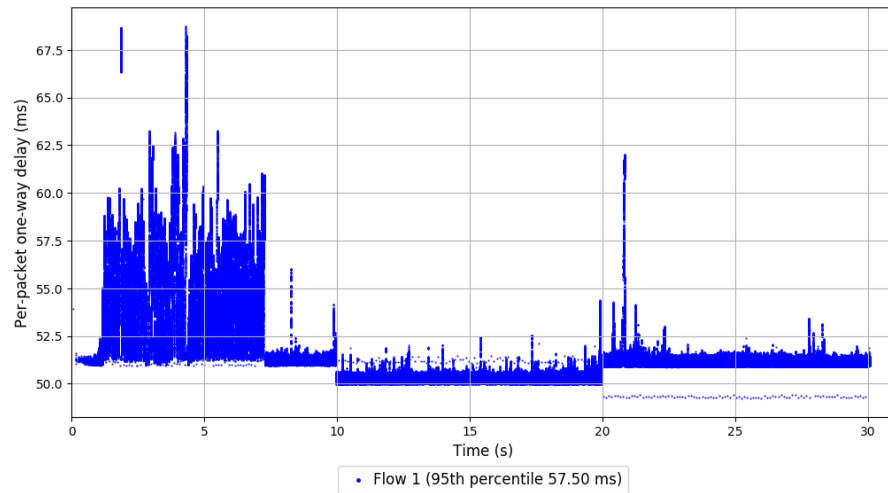
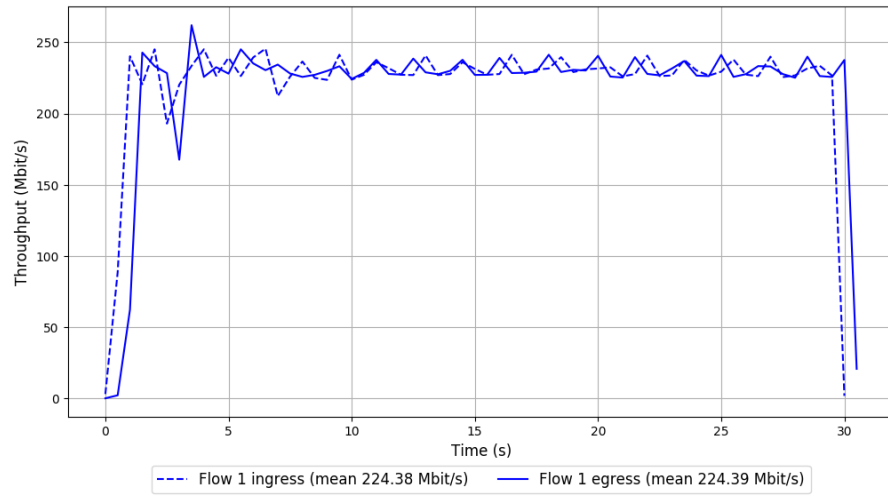
-- Flow 1:

Average throughput: 224.39 Mbit/s

95th percentile per-packet one-way delay: 57.496 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-01 12:25:13

End at: 2018-07-01 12:25:43

Local clock offset: 0.018 ms

Remote clock offset: 0.065 ms

Below is generated by plot.py at 2018-07-01 15:00:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.15 Mbit/s

95th percentile per-packet one-way delay: 57.978 ms

Loss rate: 0.09%

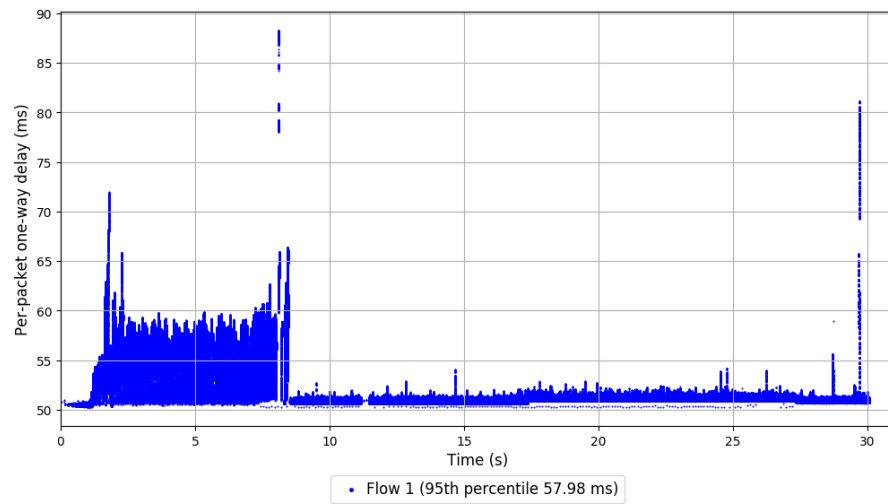
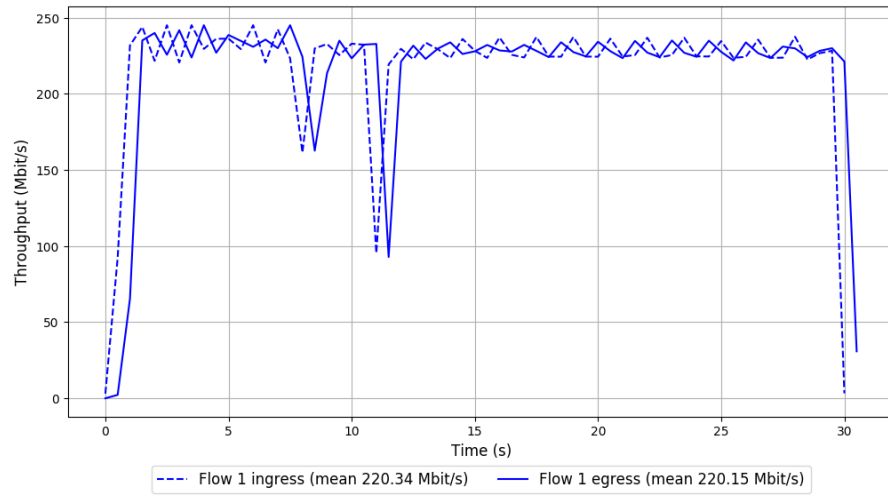
-- Flow 1:

Average throughput: 220.15 Mbit/s

95th percentile per-packet one-way delay: 57.978 ms

Loss rate: 0.09%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-01 12:46:55

End at: 2018-07-01 12:47:25

Local clock offset: 0.061 ms

Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-01 15:00:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.33 Mbit/s

95th percentile per-packet one-way delay: 58.592 ms

Loss rate: 0.00%

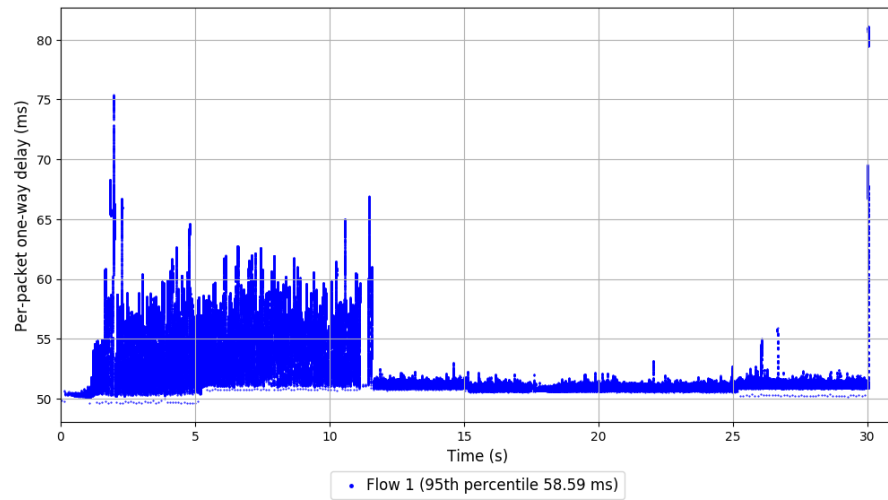
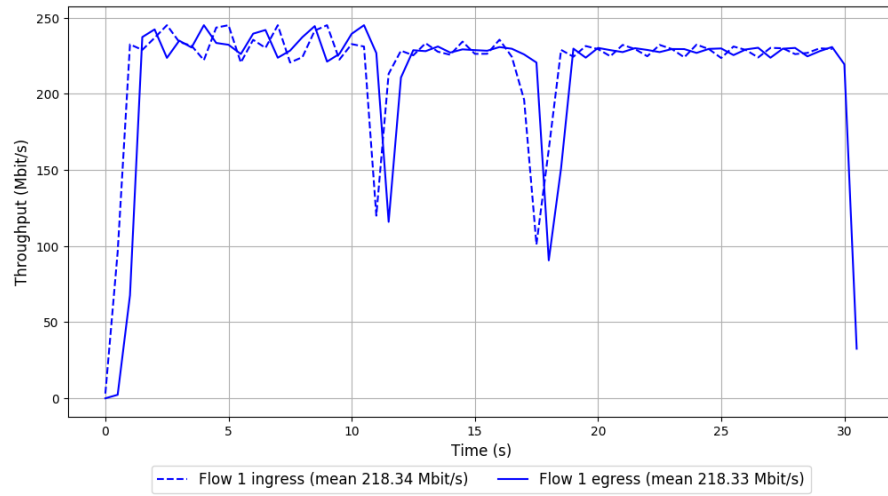
-- Flow 1:

Average throughput: 218.33 Mbit/s

95th percentile per-packet one-way delay: 58.592 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-01 13:08:28

End at: 2018-07-01 13:08:58

Local clock offset: 0.064 ms

Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-07-01 15:00:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.52 Mbit/s

95th percentile per-packet one-way delay: 53.081 ms

Loss rate: 0.00%

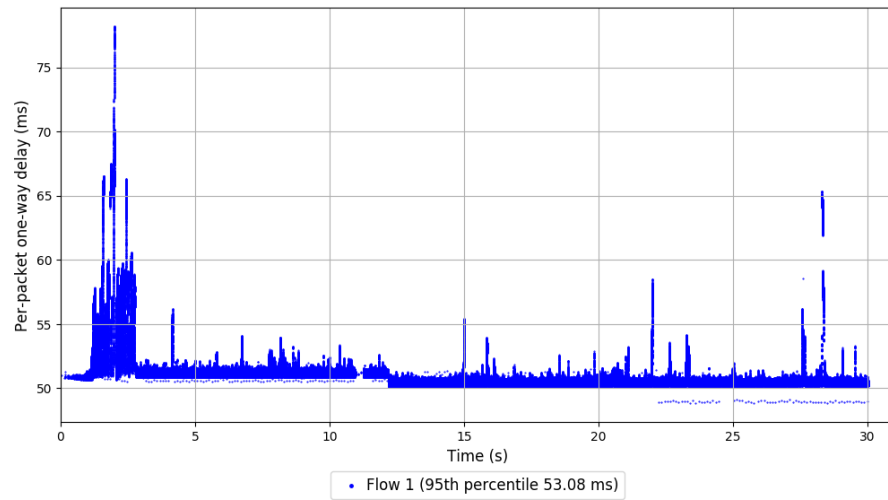
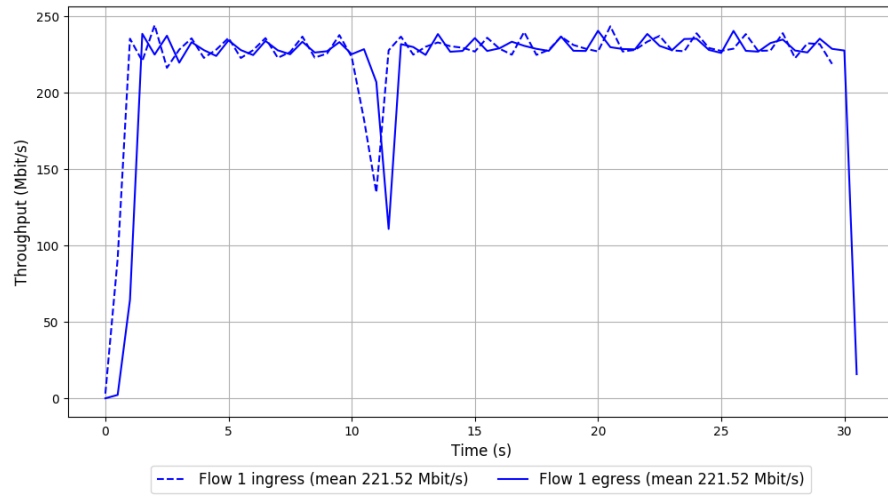
-- Flow 1:

Average throughput: 221.52 Mbit/s

95th percentile per-packet one-way delay: 53.081 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

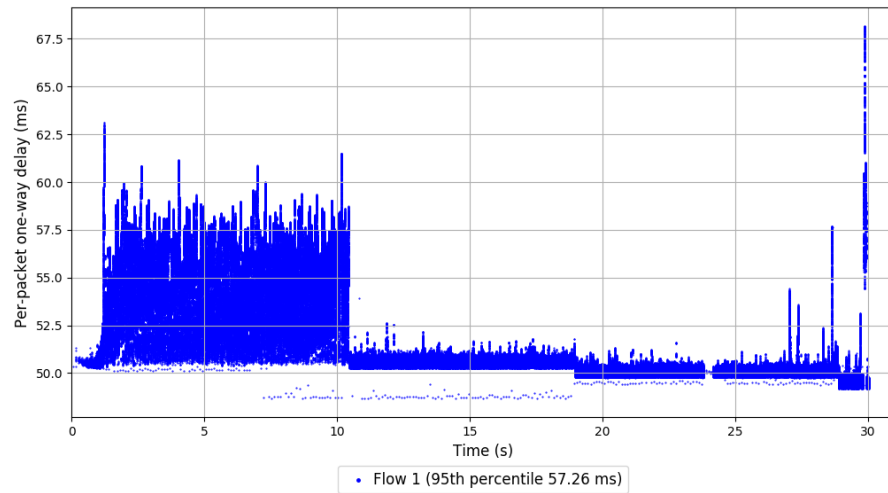
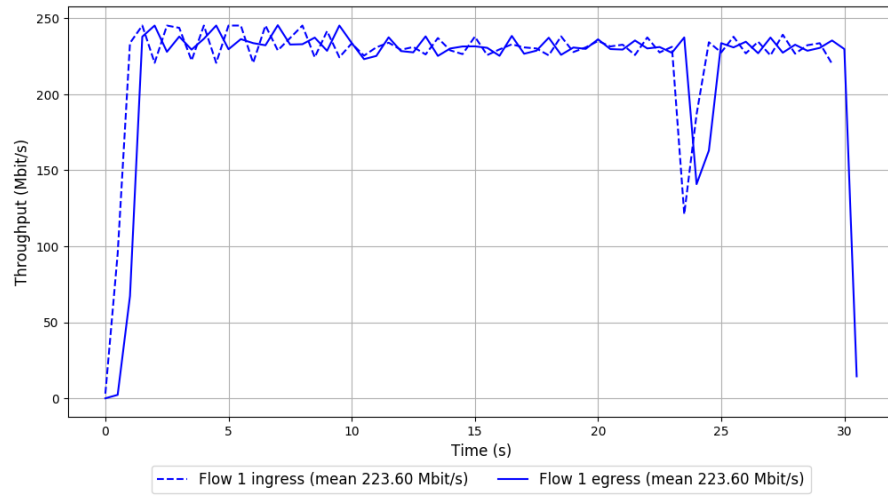


Run 7: Statistics of TCP BBR

Start at: 2018-07-01 13:30:01
End at: 2018-07-01 13:30:31
Local clock offset: 0.422 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-01 15:00:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 223.60 Mbit/s
95th percentile per-packet one-way delay: 57.255 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 223.60 Mbit/s
95th percentile per-packet one-way delay: 57.255 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link

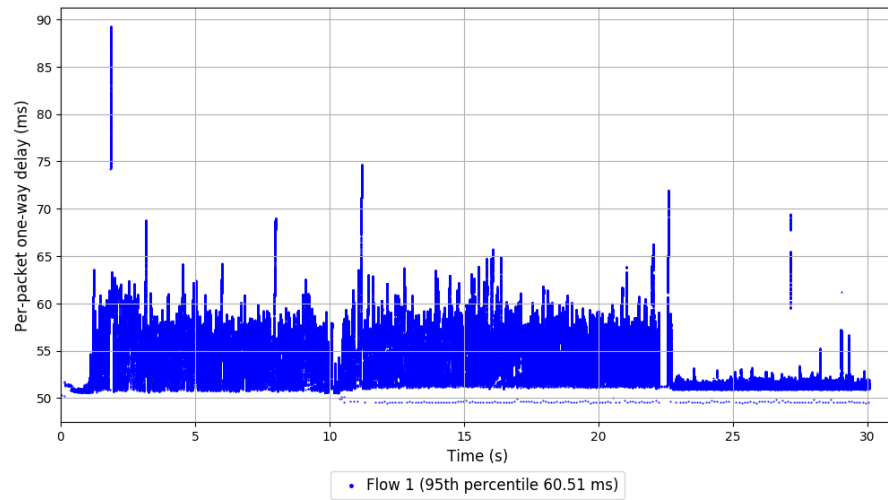
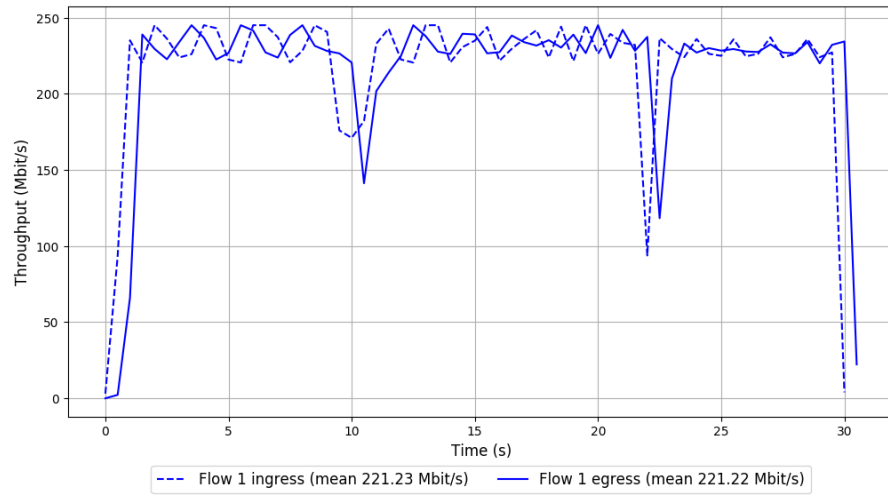


Run 8: Statistics of TCP BBR

Start at: 2018-07-01 13:51:30
End at: 2018-07-01 13:52:00
Local clock offset: -0.347 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-01 15:00:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.22 Mbit/s
95th percentile per-packet one-way delay: 60.513 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 221.22 Mbit/s
95th percentile per-packet one-way delay: 60.513 ms
Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-01 14:13:00

End at: 2018-07-01 14:13:30

Local clock offset: 0.085 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-07-01 15:03:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.47 Mbit/s

95th percentile per-packet one-way delay: 59.075 ms

Loss rate: 0.00%

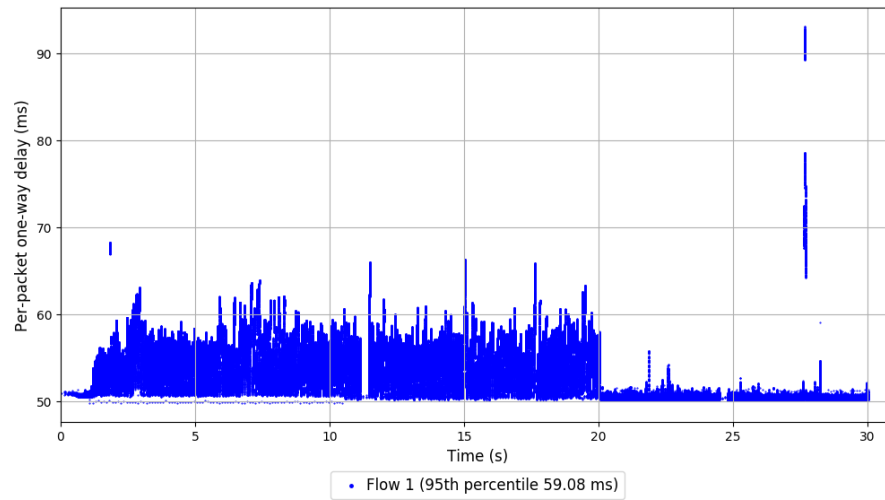
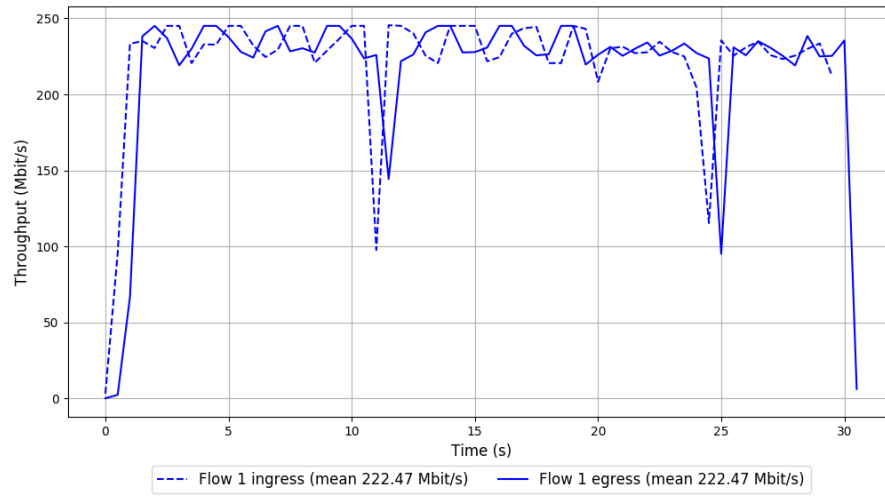
-- Flow 1:

Average throughput: 222.47 Mbit/s

95th percentile per-packet one-way delay: 59.075 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link

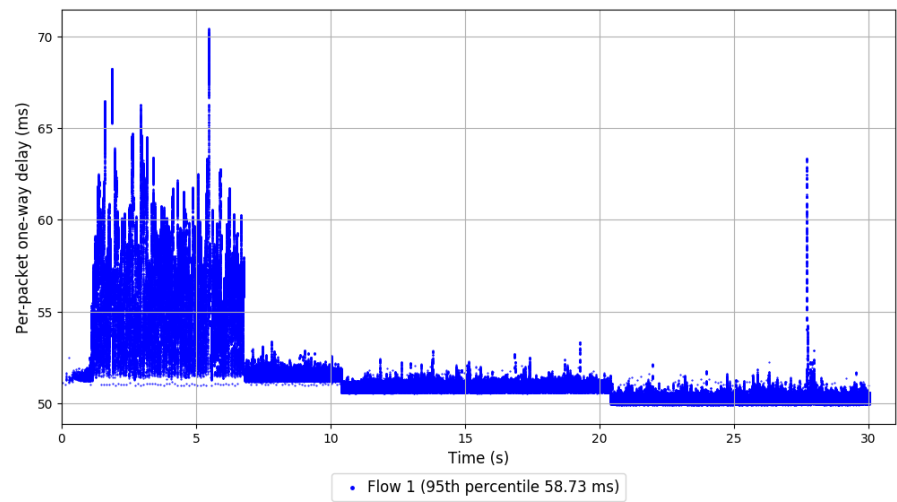
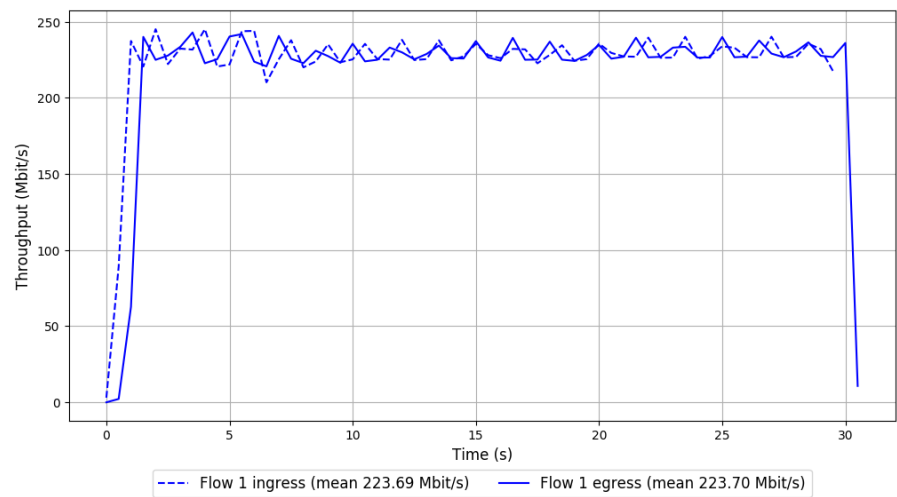


Run 10: Statistics of TCP BBR

Start at: 2018-07-01 14:34:30
End at: 2018-07-01 14:35:00
Local clock offset: -0.362 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-07-01 15:03:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 223.70 Mbit/s
95th percentile per-packet one-way delay: 58.735 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 223.70 Mbit/s
95th percentile per-packet one-way delay: 58.735 ms
Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-01 11:15:15

End at: 2018-07-01 11:15:45

Local clock offset: 0.381 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-07-01 15:06:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 194.02 Mbit/s

95th percentile per-packet one-way delay: 54.502 ms

Loss rate: 0.00%

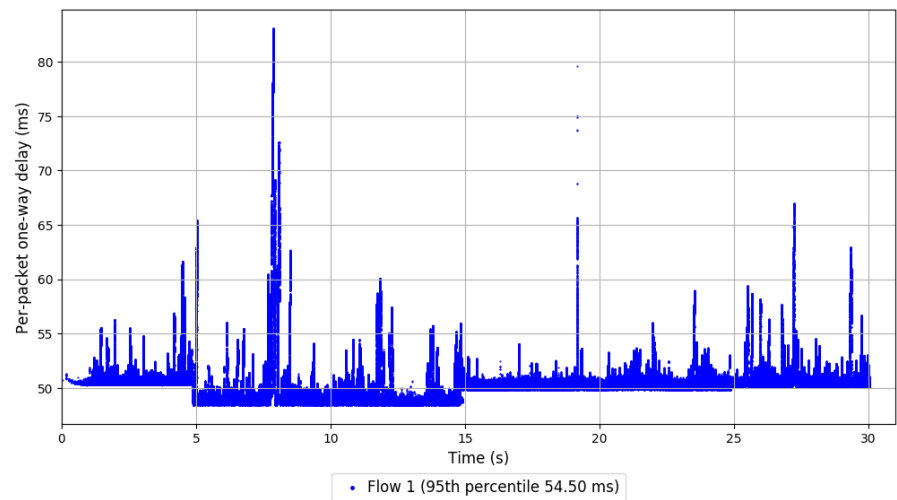
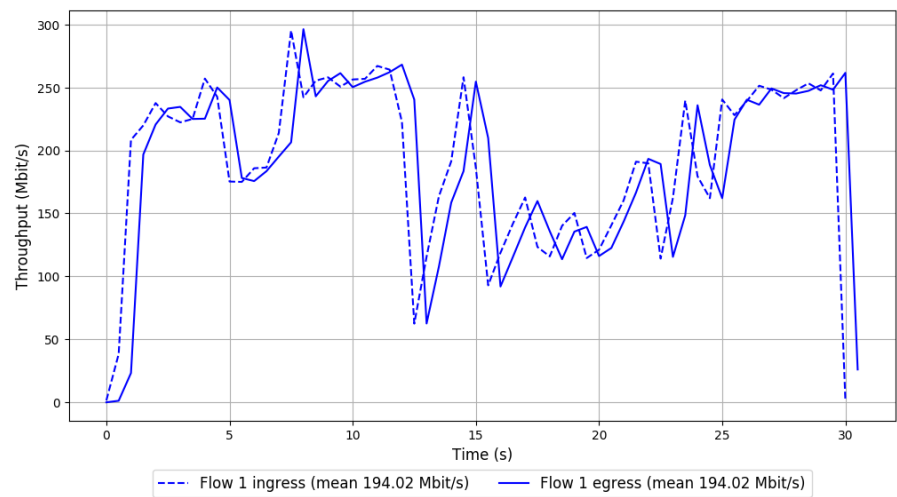
-- Flow 1:

Average throughput: 194.02 Mbit/s

95th percentile per-packet one-way delay: 54.502 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link

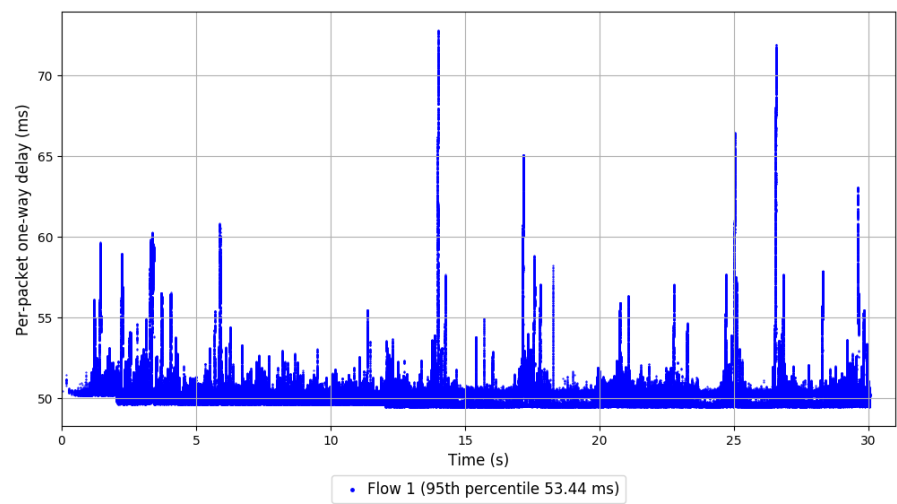
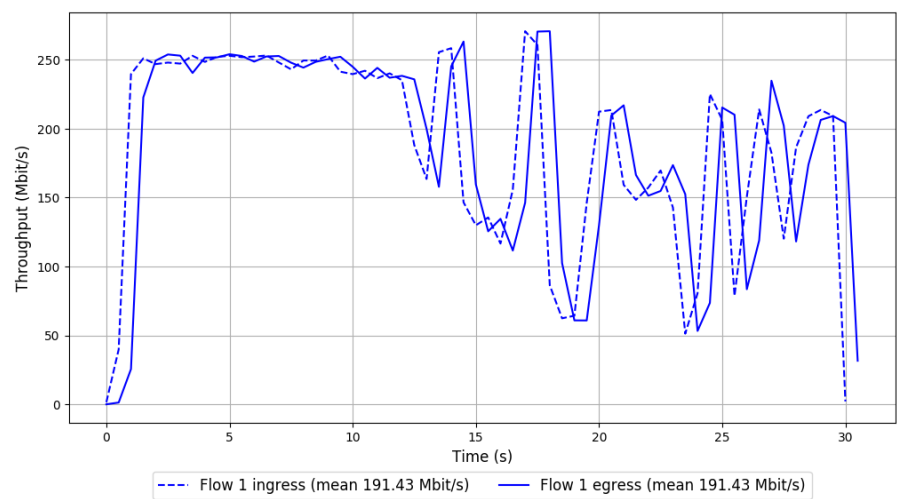


Run 2: Statistics of Copa

Start at: 2018-07-01 11:36:58
End at: 2018-07-01 11:37:28
Local clock offset: 0.036 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-01 15:06:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 191.43 Mbit/s
95th percentile per-packet one-way delay: 53.442 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 191.43 Mbit/s
95th percentile per-packet one-way delay: 53.442 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-01 11:58:41

End at: 2018-07-01 11:59:11

Local clock offset: 0.088 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-07-01 15:06:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.12 Mbit/s

95th percentile per-packet one-way delay: 51.264 ms

Loss rate: 0.00%

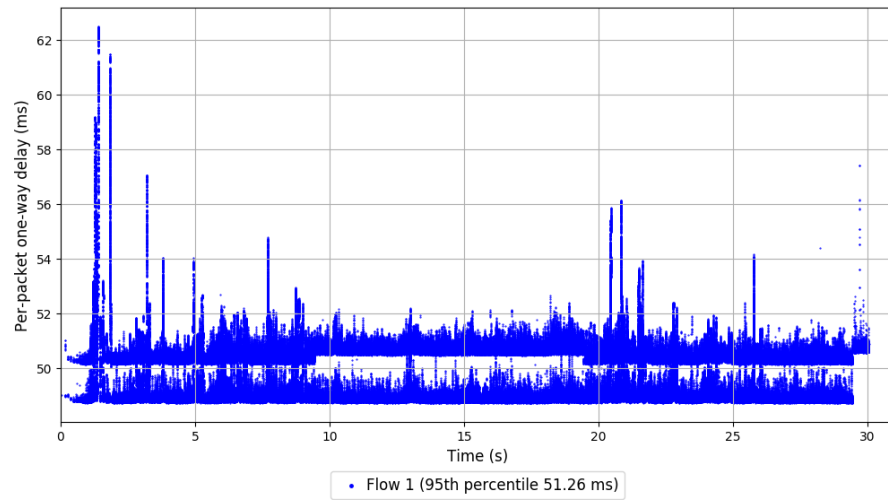
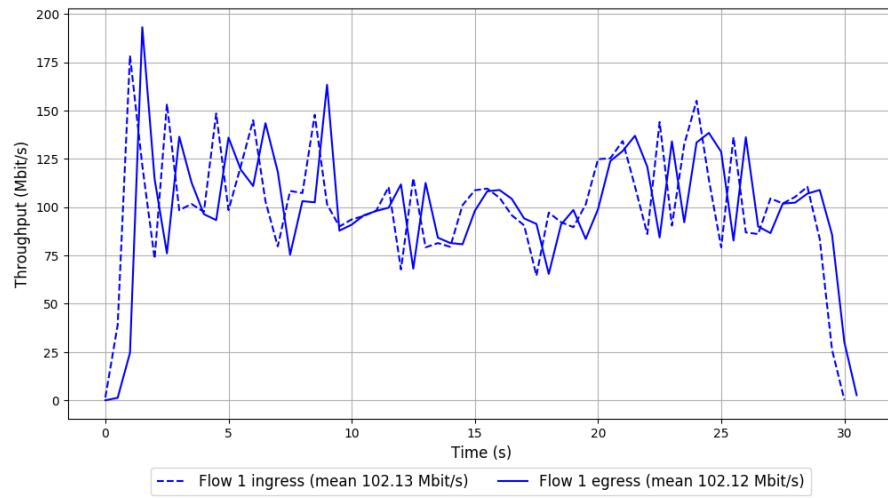
-- Flow 1:

Average throughput: 102.12 Mbit/s

95th percentile per-packet one-way delay: 51.264 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-01 12:20:06

End at: 2018-07-01 12:20:36

Local clock offset: 0.005 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2018-07-01 15:07:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.85 Mbit/s

95th percentile per-packet one-way delay: 53.171 ms

Loss rate: 0.00%

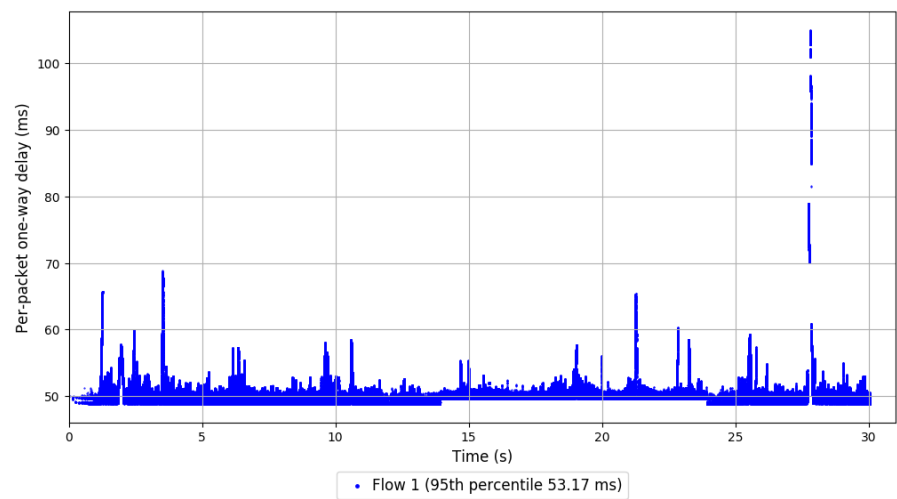
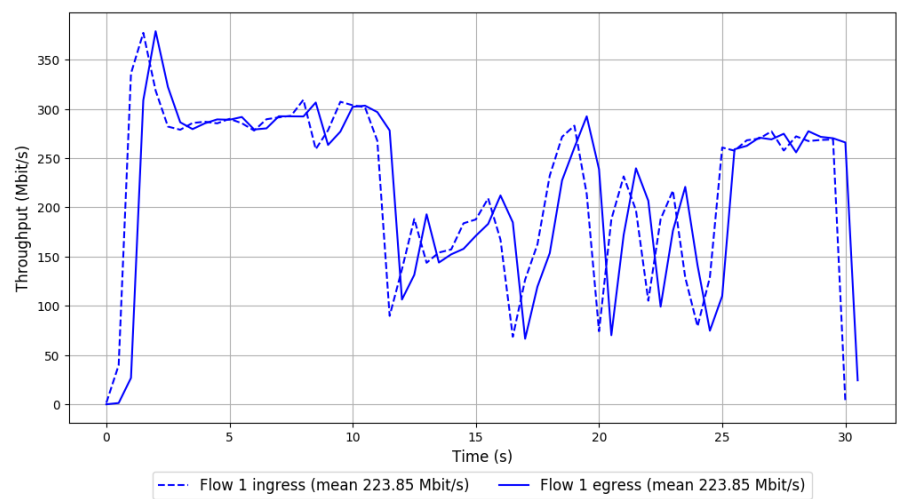
-- Flow 1:

Average throughput: 223.85 Mbit/s

95th percentile per-packet one-way delay: 53.171 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link

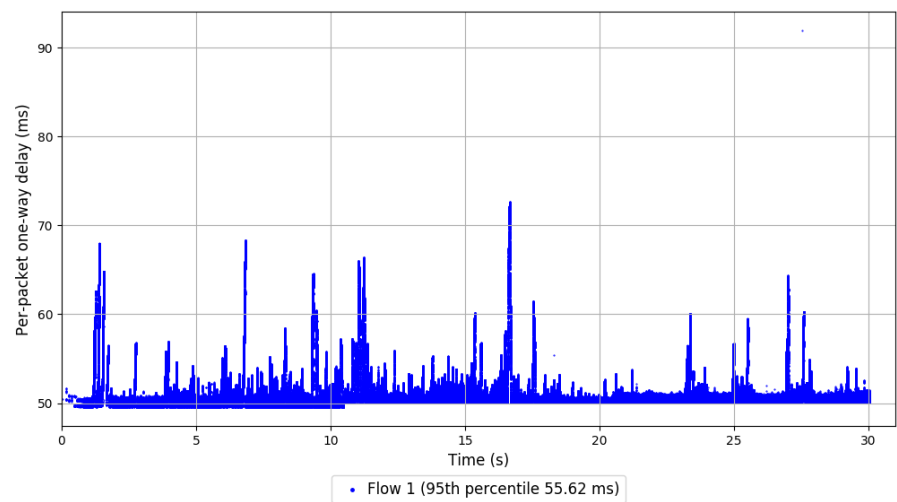
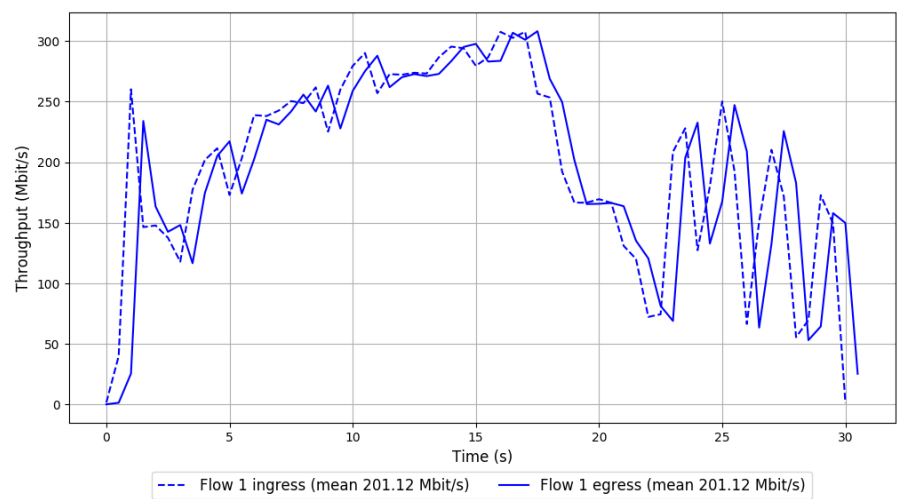


Run 5: Statistics of Copa

Start at: 2018-07-01 12:41:50
End at: 2018-07-01 12:42:20
Local clock offset: 0.022 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-01 15:07:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 201.12 Mbit/s
95th percentile per-packet one-way delay: 55.622 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 201.12 Mbit/s
95th percentile per-packet one-way delay: 55.622 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

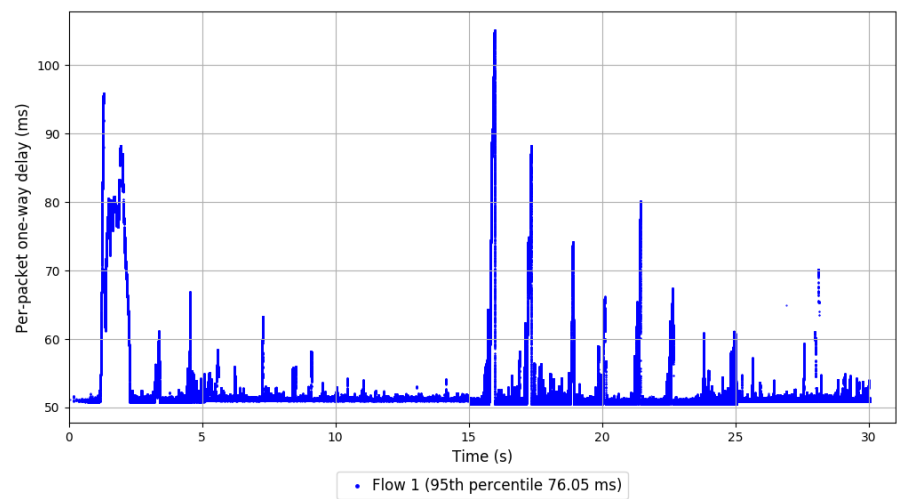
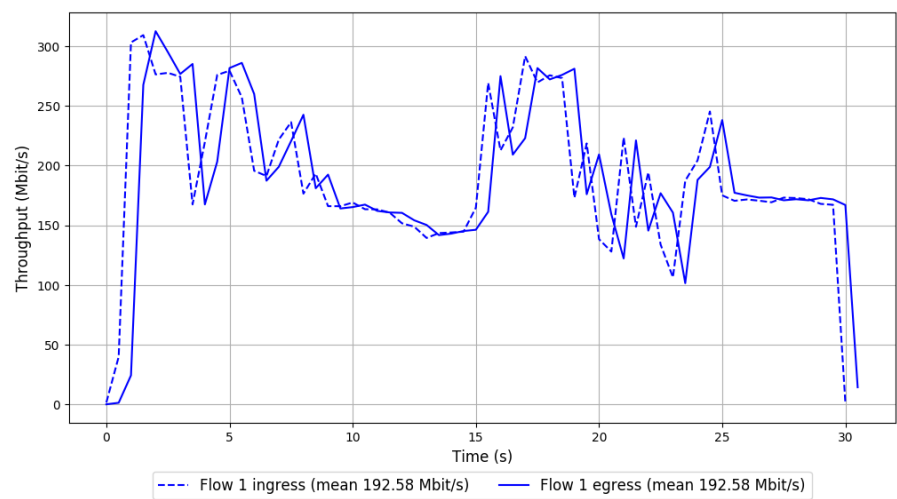


Run 6: Statistics of Copa

Start at: 2018-07-01 13:03:25
End at: 2018-07-01 13:03:55
Local clock offset: -0.271 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-01 15:07:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 192.58 Mbit/s
95th percentile per-packet one-way delay: 76.048 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 192.58 Mbit/s
95th percentile per-packet one-way delay: 76.048 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

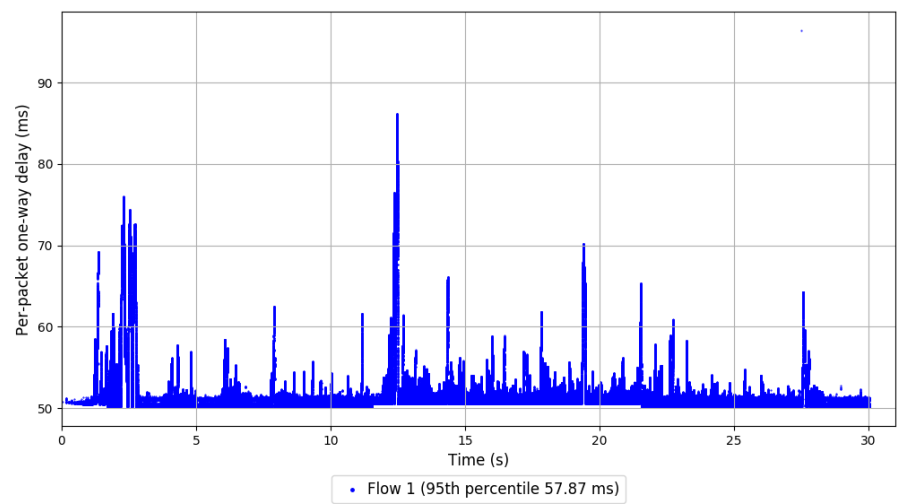
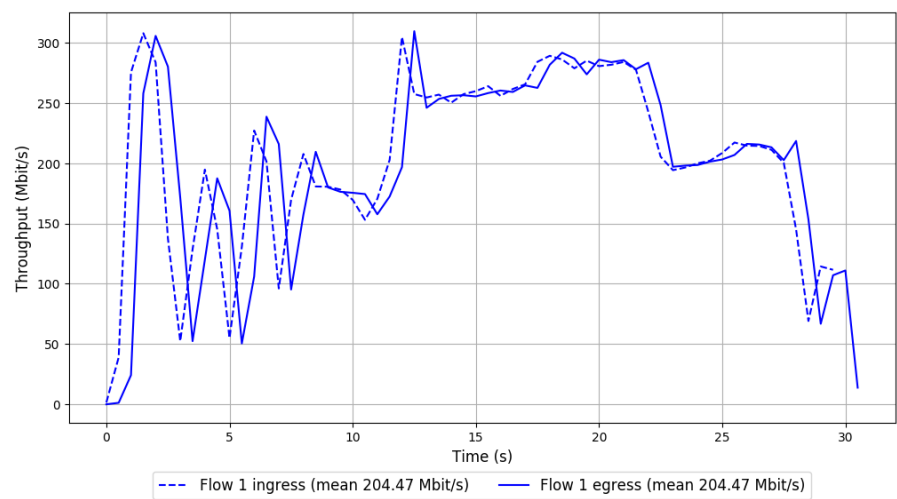


Run 7: Statistics of Copa

Start at: 2018-07-01 13:24:59
End at: 2018-07-01 13:25:29
Local clock offset: -0.327 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-01 15:09:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 204.47 Mbit/s
95th percentile per-packet one-way delay: 57.870 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 204.47 Mbit/s
95th percentile per-packet one-way delay: 57.870 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

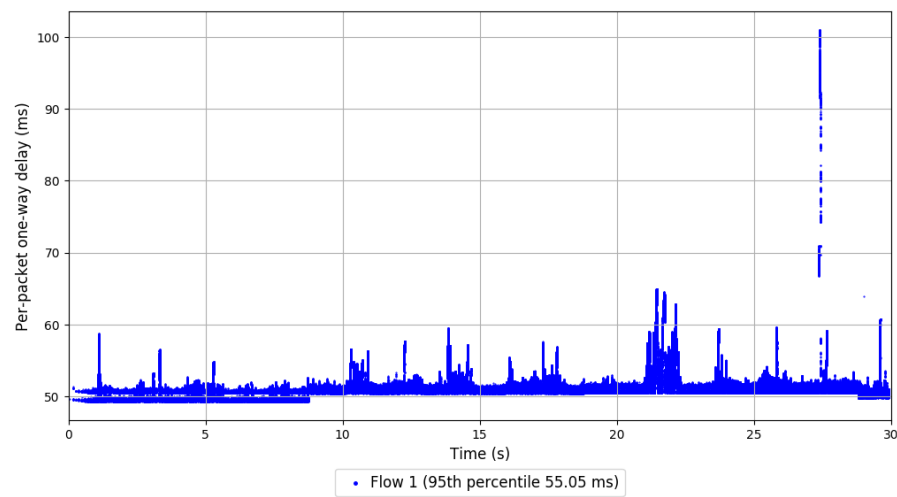
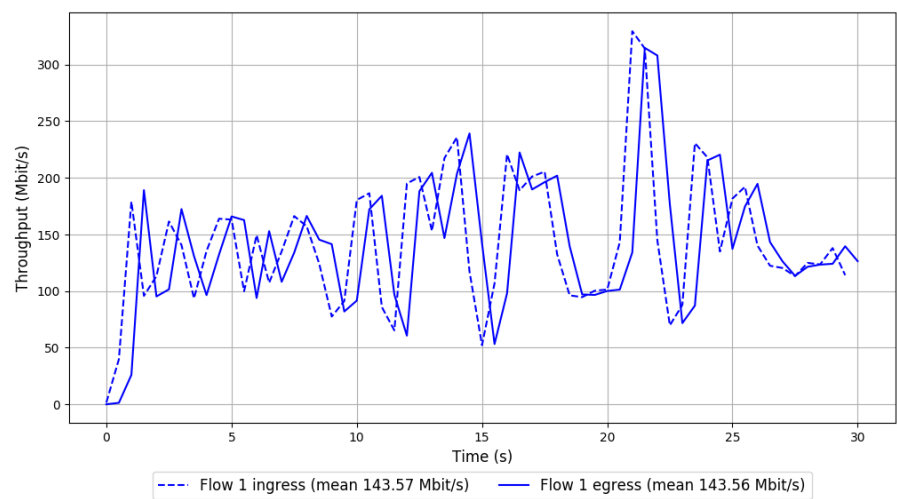


Run 8: Statistics of Copa

Start at: 2018-07-01 13:46:31
End at: 2018-07-01 13:47:01
Local clock offset: -0.286 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-01 15:09:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 143.56 Mbit/s
95th percentile per-packet one-way delay: 55.046 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 143.56 Mbit/s
95th percentile per-packet one-way delay: 55.046 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

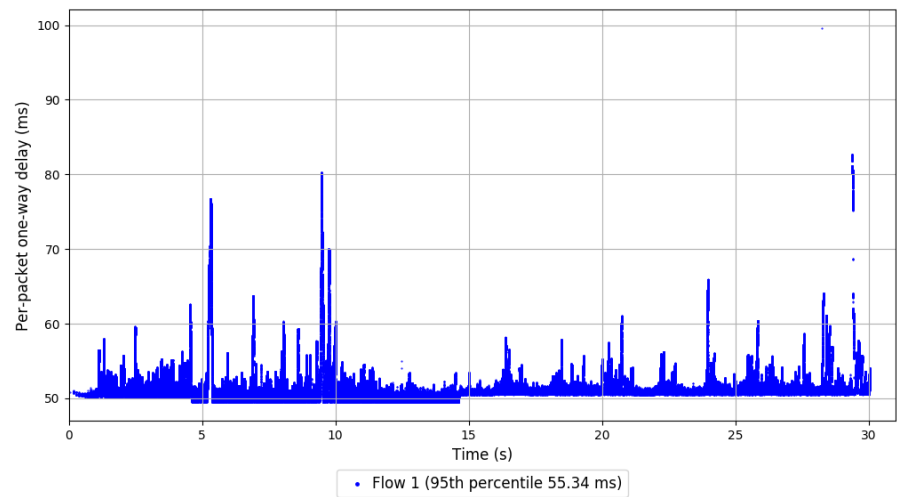
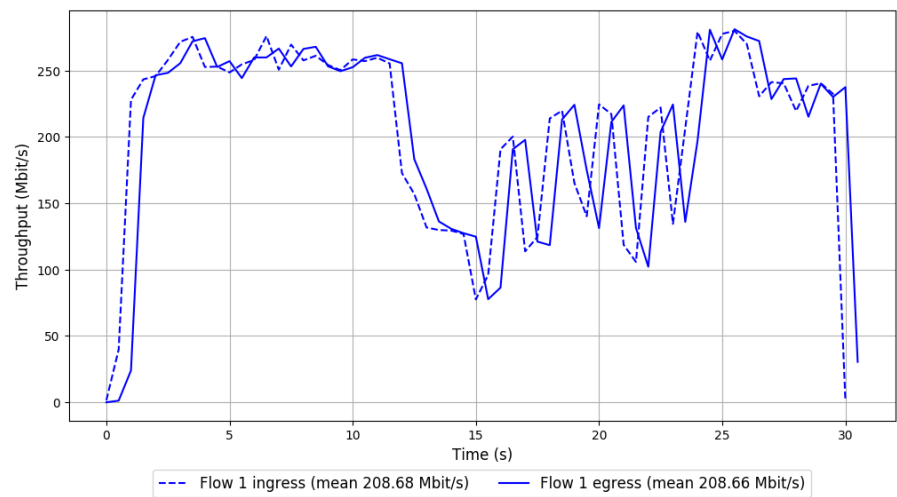


Run 9: Statistics of Copa

Start at: 2018-07-01 14:07:55
End at: 2018-07-01 14:08:26
Local clock offset: 0.042 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-07-01 15:10:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 208.66 Mbit/s
95th percentile per-packet one-way delay: 55.337 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 208.66 Mbit/s
95th percentile per-packet one-way delay: 55.337 ms
Loss rate: 0.01%

Run 9: Report of Copa — Data Link

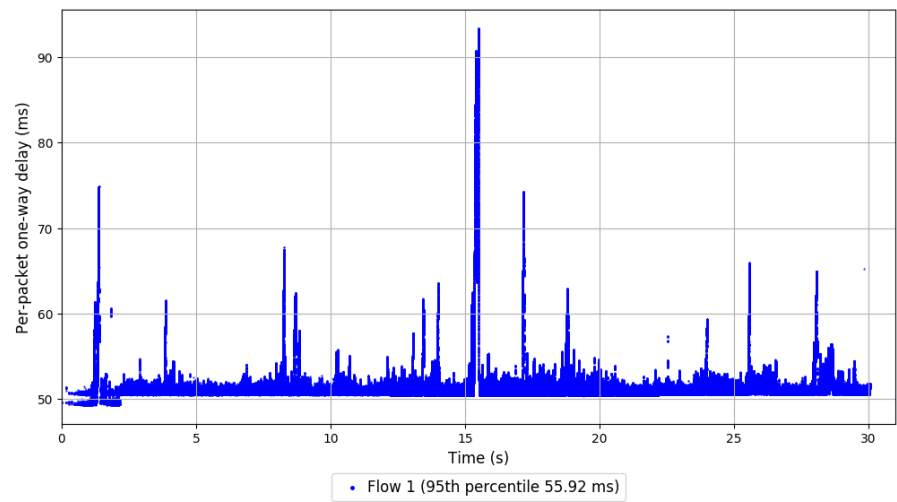
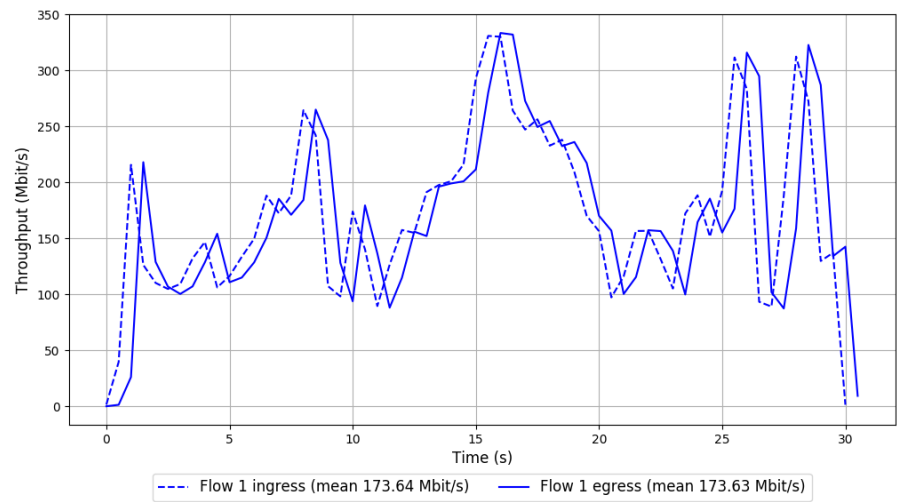


Run 10: Statistics of Copa

Start at: 2018-07-01 14:29:28
End at: 2018-07-01 14:29:58
Local clock offset: -0.321 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-07-01 15:11:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 173.63 Mbit/s
95th percentile per-packet one-way delay: 55.925 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 173.63 Mbit/s
95th percentile per-packet one-way delay: 55.925 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-01 11:16:37

End at: 2018-07-01 11:17:07

Local clock offset: 0.019 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-07-01 15:11:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.44 Mbit/s

95th percentile per-packet one-way delay: 59.496 ms

Loss rate: 0.00%

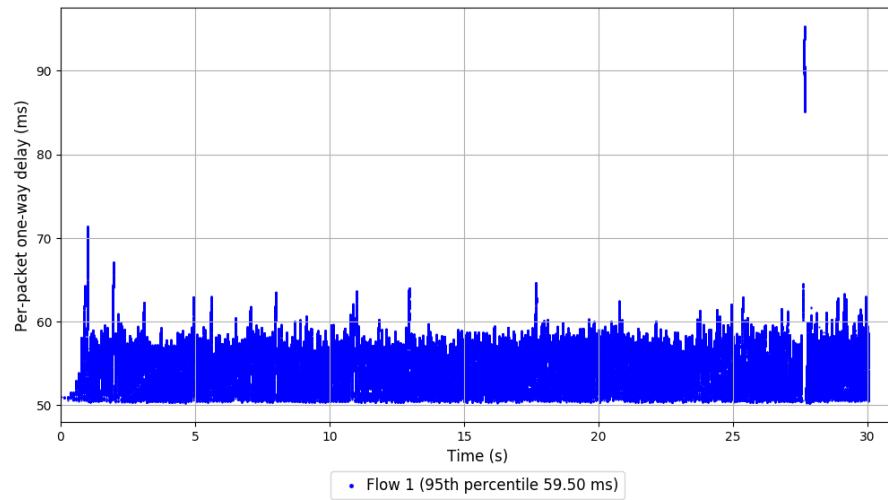
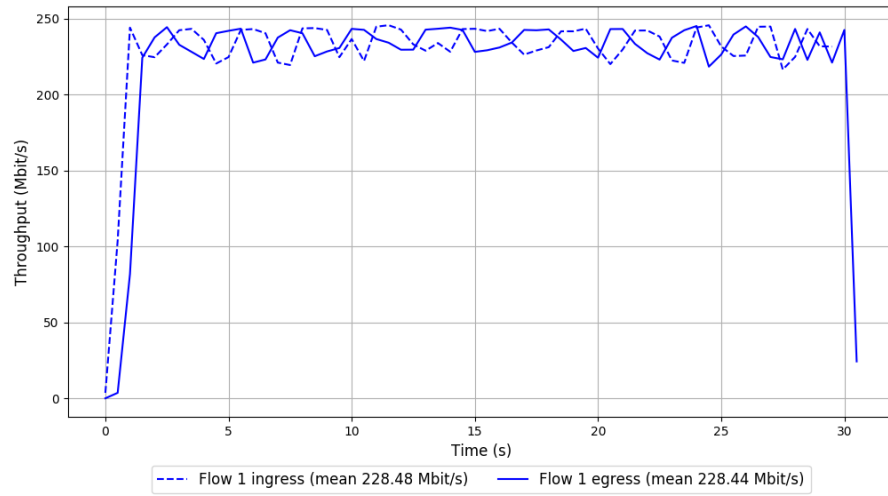
-- Flow 1:

Average throughput: 228.44 Mbit/s

95th percentile per-packet one-way delay: 59.496 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

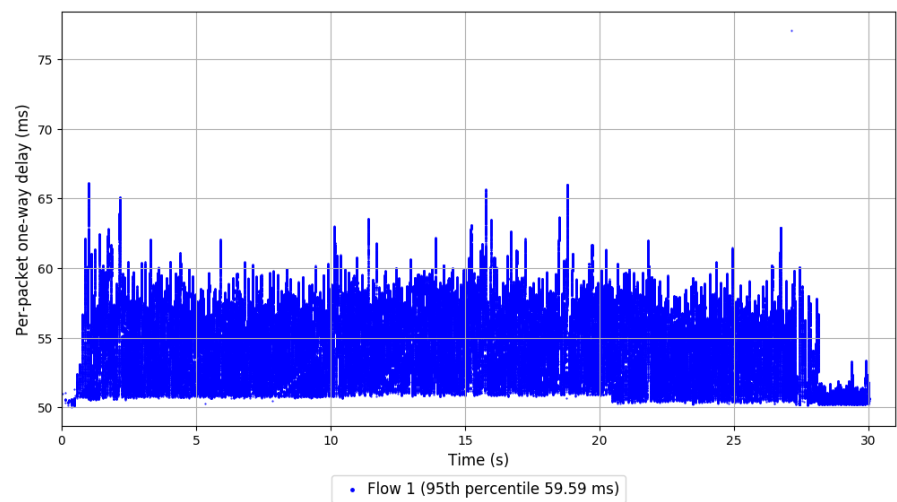
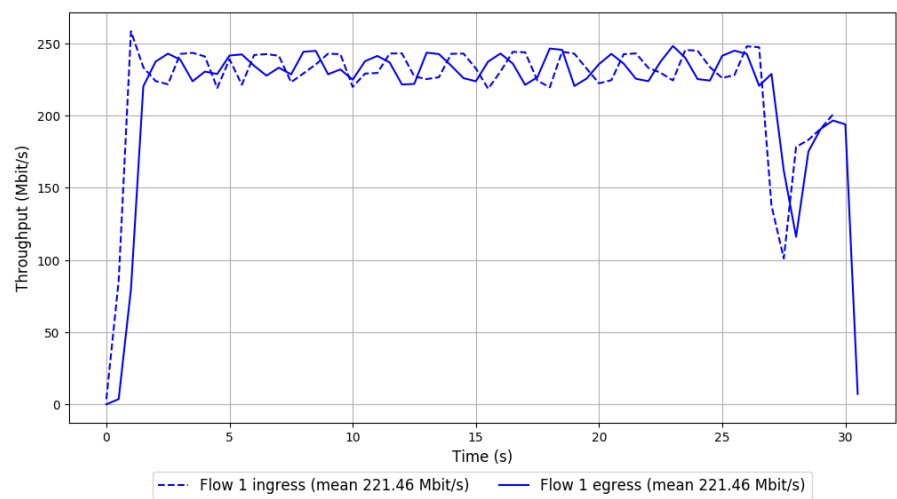


Run 2: Statistics of TCP Cubic

Start at: 2018-07-01 11:38:20
End at: 2018-07-01 11:38:50
Local clock offset: 0.044 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-01 15:11:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.46 Mbit/s
95th percentile per-packet one-way delay: 59.587 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 221.46 Mbit/s
95th percentile per-packet one-way delay: 59.587 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

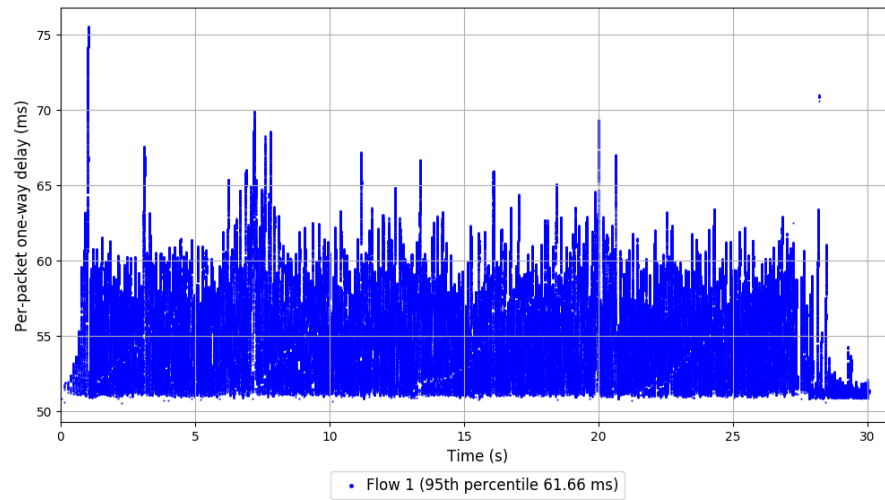
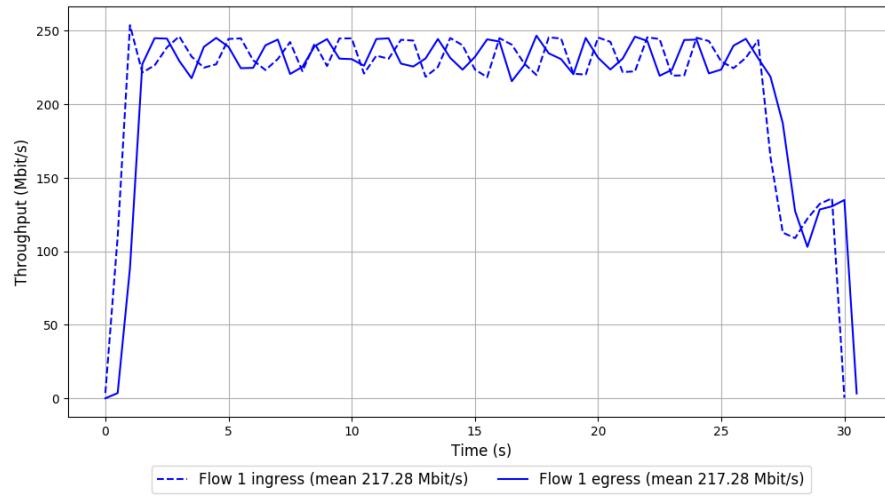


Run 3: Statistics of TCP Cubic

Start at: 2018-07-01 11:59:54
End at: 2018-07-01 12:00:24
Local clock offset: -0.268 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-01 15:11:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.28 Mbit/s
95th percentile per-packet one-way delay: 61.659 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 217.28 Mbit/s
95th percentile per-packet one-way delay: 61.659 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-01 12:21:30

End at: 2018-07-01 12:22:00

Local clock offset: -0.378 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-07-01 15:11:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.52 Mbit/s

95th percentile per-packet one-way delay: 60.547 ms

Loss rate: 0.01%

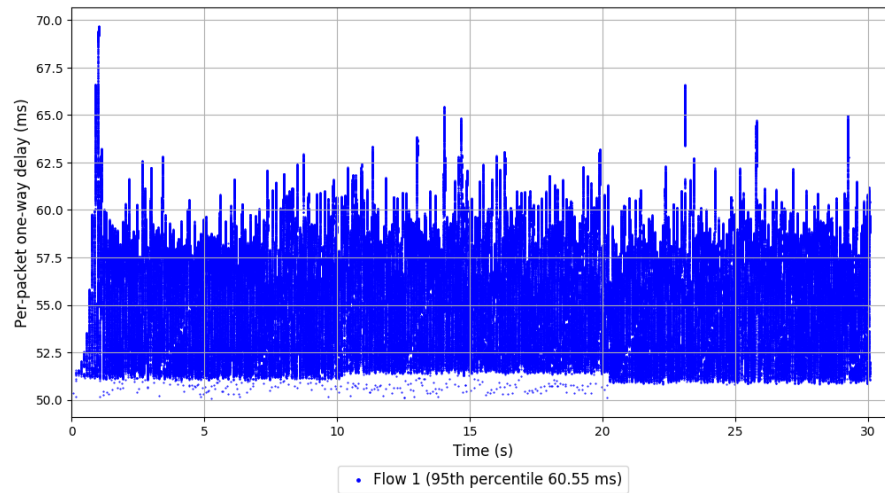
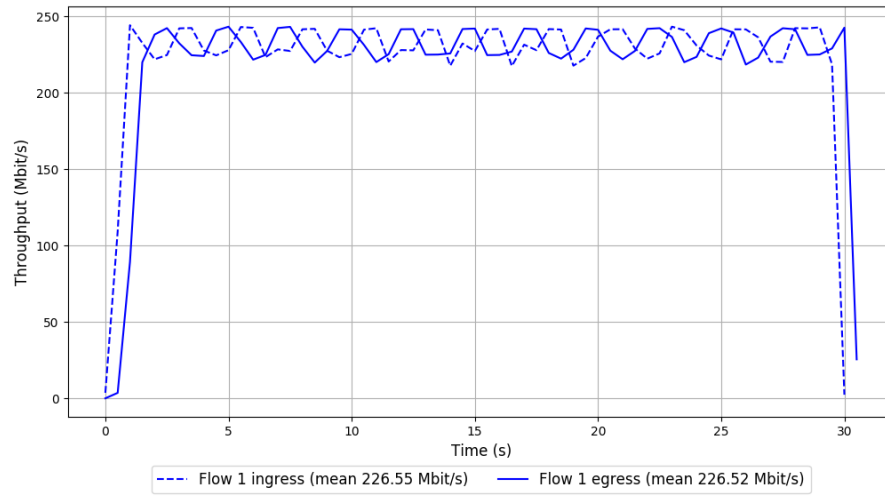
-- Flow 1:

Average throughput: 226.52 Mbit/s

95th percentile per-packet one-way delay: 60.547 ms

Loss rate: 0.01%

Run 4: Report of TCP Cubic — Data Link

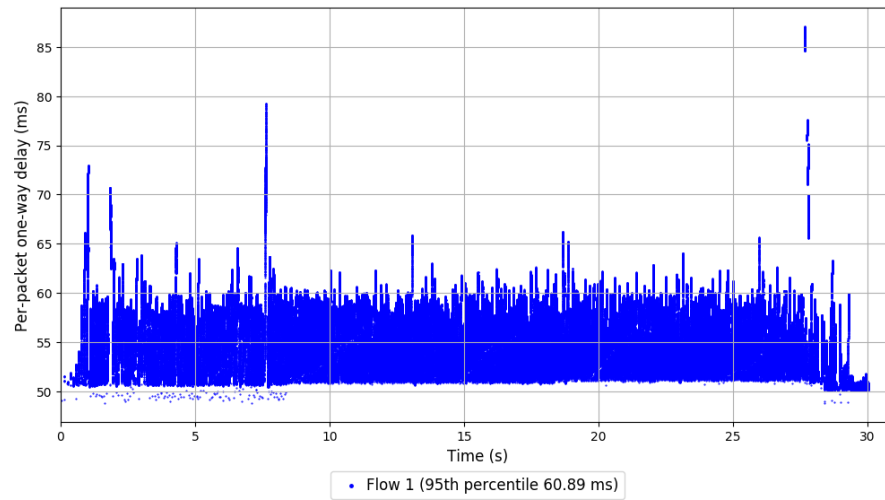
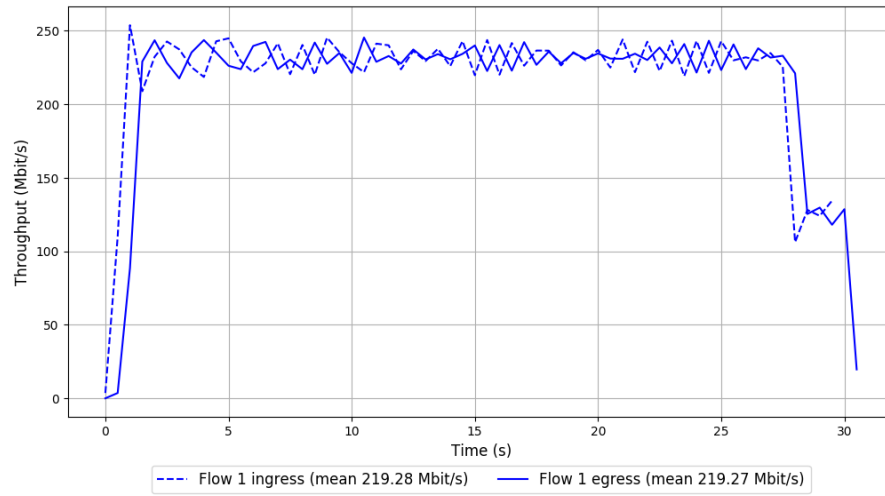


Run 5: Statistics of TCP Cubic

Start at: 2018-07-01 12:43:12
End at: 2018-07-01 12:43:42
Local clock offset: 0.054 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-01 15:12:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.27 Mbit/s
95th percentile per-packet one-way delay: 60.894 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 219.27 Mbit/s
95th percentile per-packet one-way delay: 60.894 ms
Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link

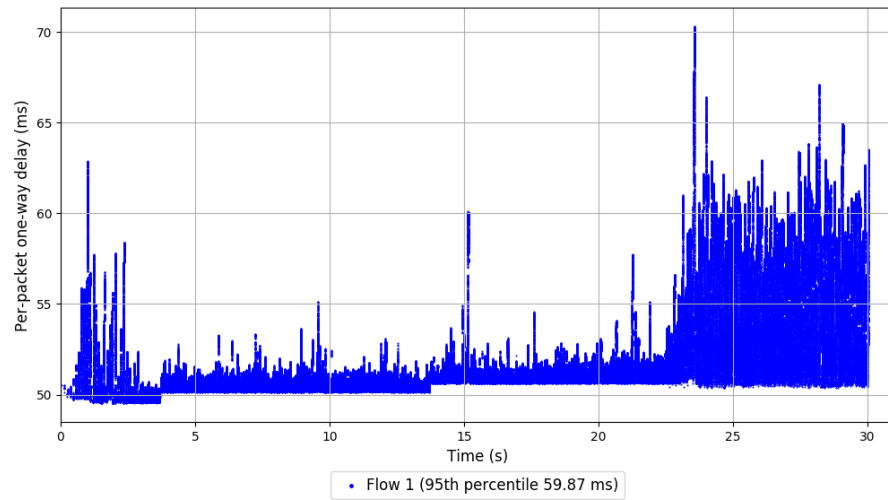
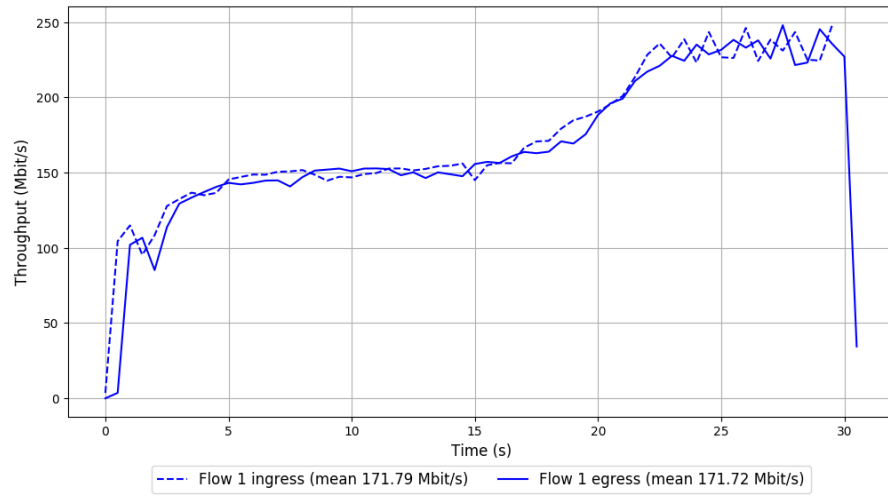


Run 6: Statistics of TCP Cubic

Start at: 2018-07-01 13:04:46
End at: 2018-07-01 13:05:16
Local clock offset: 0.069 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-01 15:12:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 171.72 Mbit/s
95th percentile per-packet one-way delay: 59.865 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 171.72 Mbit/s
95th percentile per-packet one-way delay: 59.865 ms
Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

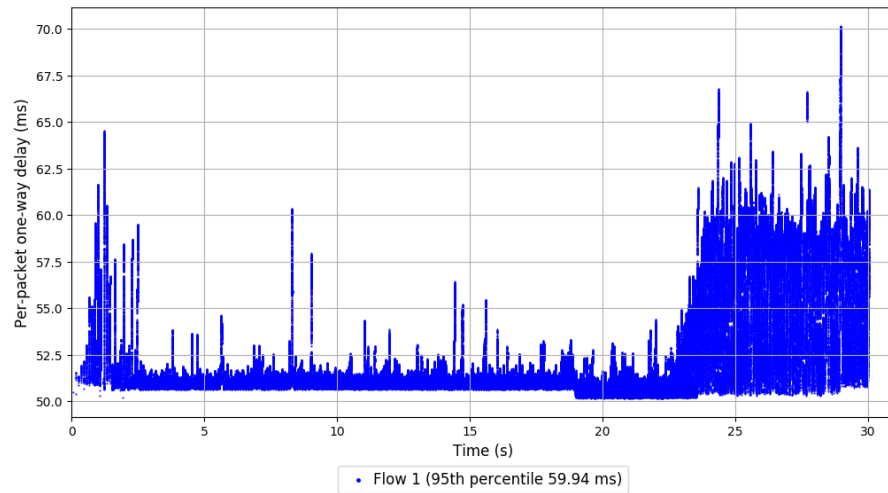
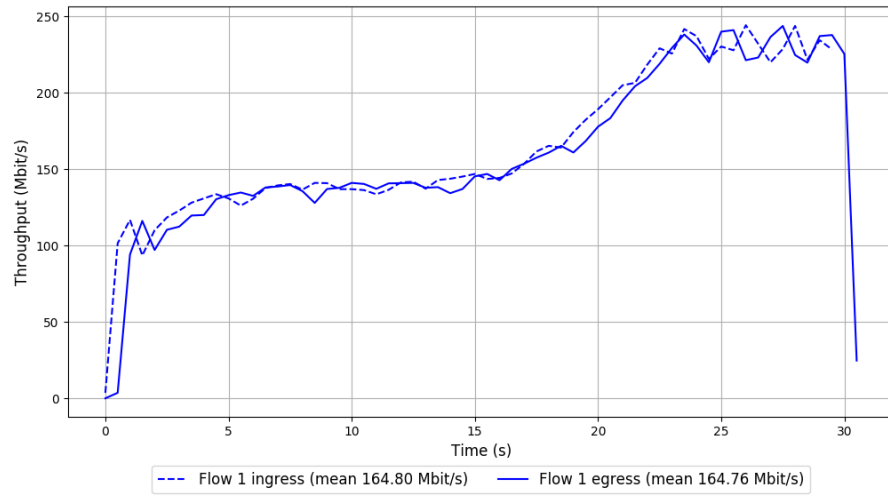


Run 7: Statistics of TCP Cubic

Start at: 2018-07-01 13:26:21
End at: 2018-07-01 13:26:51
Local clock offset: 0.053 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-01 15:12:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 164.76 Mbit/s
95th percentile per-packet one-way delay: 59.937 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 164.76 Mbit/s
95th percentile per-packet one-way delay: 59.937 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link

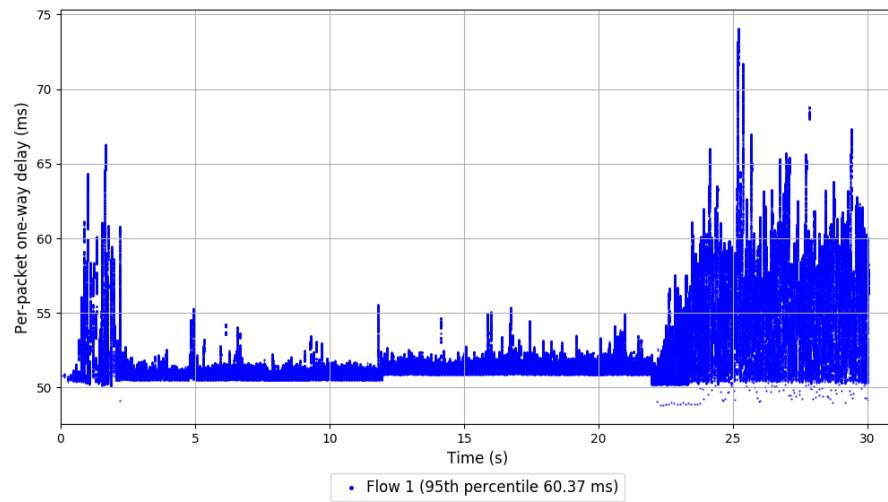
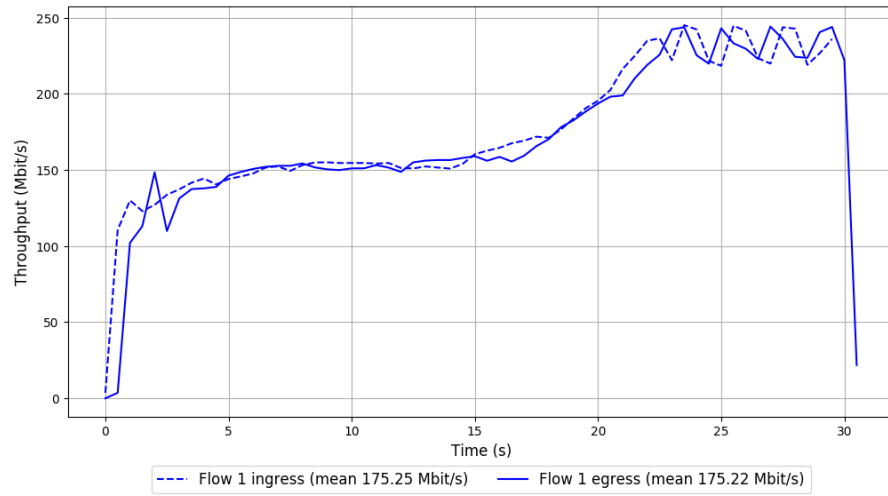


Run 8: Statistics of TCP Cubic

Start at: 2018-07-01 13:47:48
End at: 2018-07-01 13:48:18
Local clock offset: 0.066 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-01 15:12:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 175.22 Mbit/s
95th percentile per-packet one-way delay: 60.369 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 175.22 Mbit/s
95th percentile per-packet one-way delay: 60.369 ms
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link

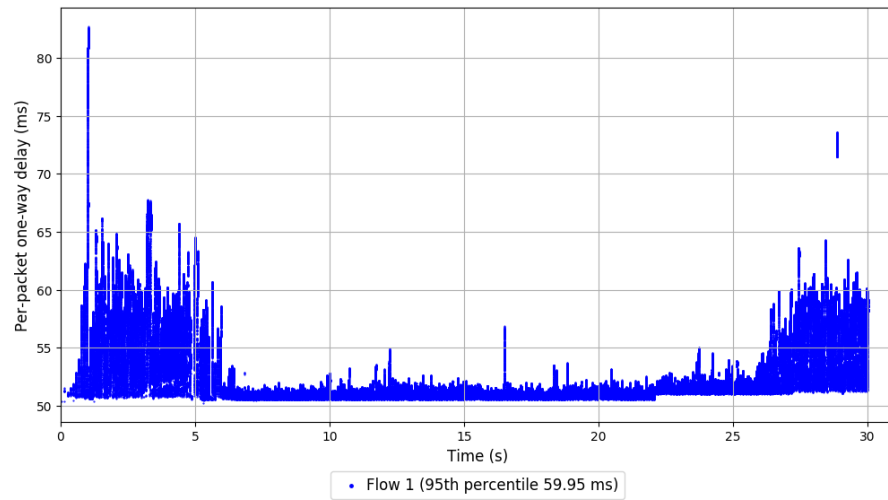
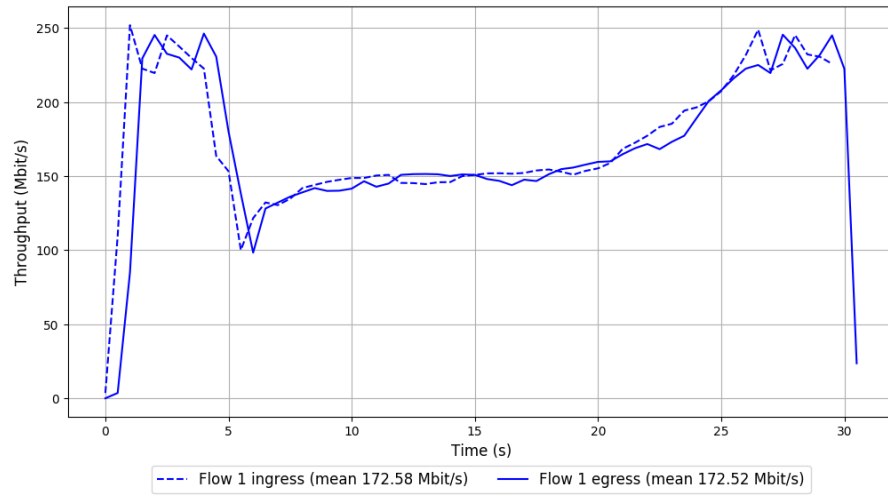


Run 9: Statistics of TCP Cubic

Start at: 2018-07-01 14:09:18
End at: 2018-07-01 14:09:48
Local clock offset: -0.333 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-07-01 15:12:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 172.52 Mbit/s
95th percentile per-packet one-way delay: 59.945 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 172.52 Mbit/s
95th percentile per-packet one-way delay: 59.945 ms
Loss rate: 0.01%

Run 9: Report of TCP Cubic — Data Link

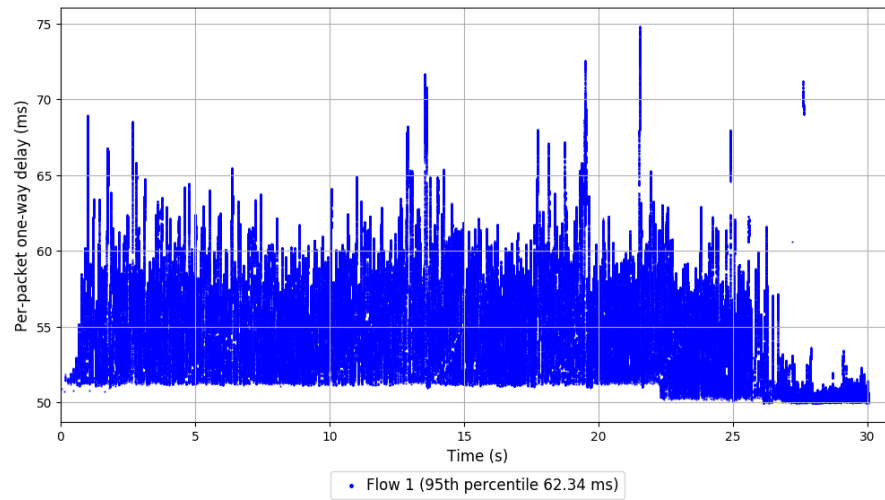
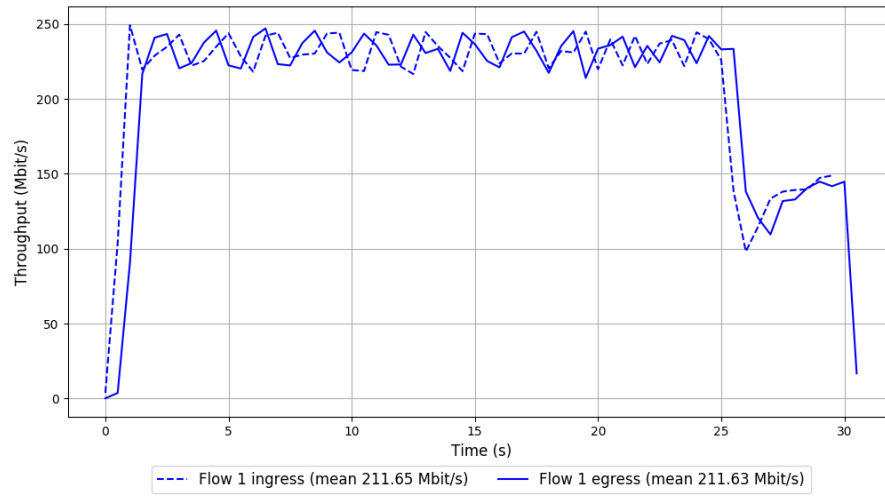


Run 10: Statistics of TCP Cubic

Start at: 2018-07-01 14:30:48
End at: 2018-07-01 14:31:18
Local clock offset: -0.342 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-07-01 15:13:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.63 Mbit/s
95th percentile per-packet one-way delay: 62.339 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 211.63 Mbit/s
95th percentile per-packet one-way delay: 62.339 ms
Loss rate: 0.01%

Run 10: Report of TCP Cubic — Data Link

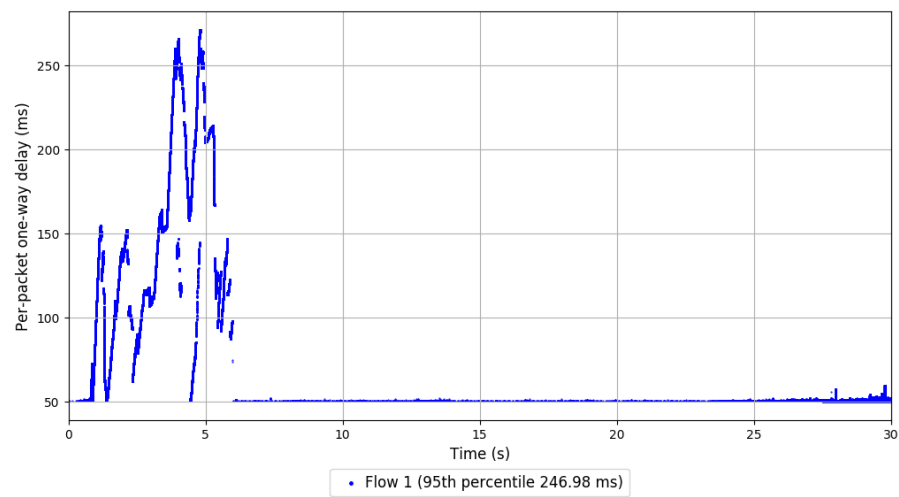
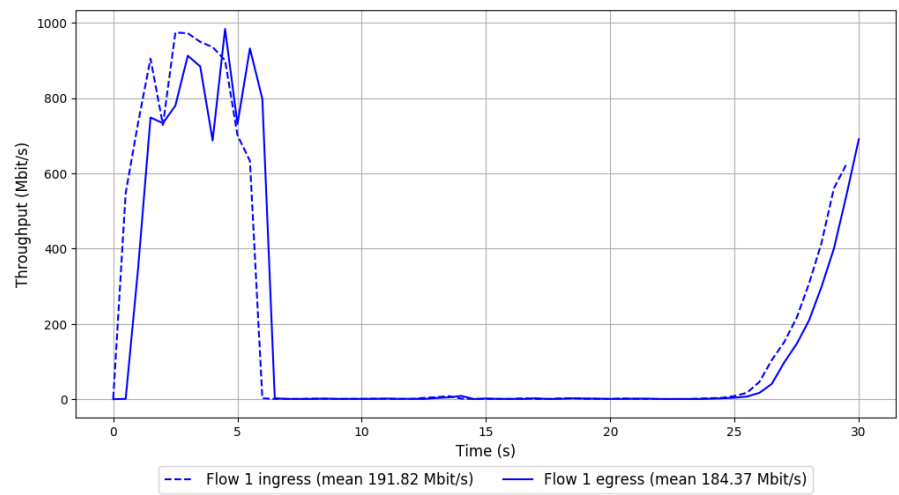


Run 1: Statistics of FillP

Start at: 2018-07-01 11:14:02
End at: 2018-07-01 11:14:33
Local clock offset: 0.053 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-07-01 15:14:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 184.37 Mbit/s
95th percentile per-packet one-way delay: 246.982 ms
Loss rate: 3.88%
-- Flow 1:
Average throughput: 184.37 Mbit/s
95th percentile per-packet one-way delay: 246.982 ms
Loss rate: 3.88%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-01 11:35:26

End at: 2018-07-01 11:35:56

Local clock offset: -0.261 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-07-01 15:25:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 712.16 Mbit/s

95th percentile per-packet one-way delay: 133.079 ms

Loss rate: 5.28%

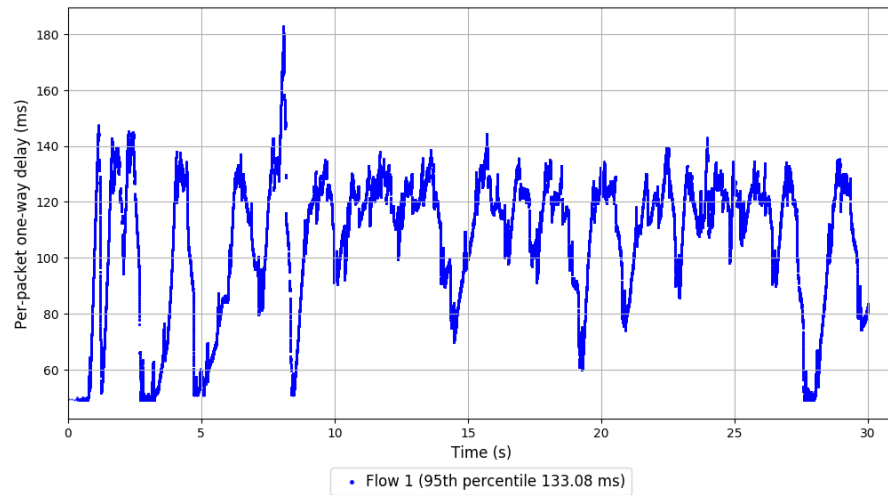
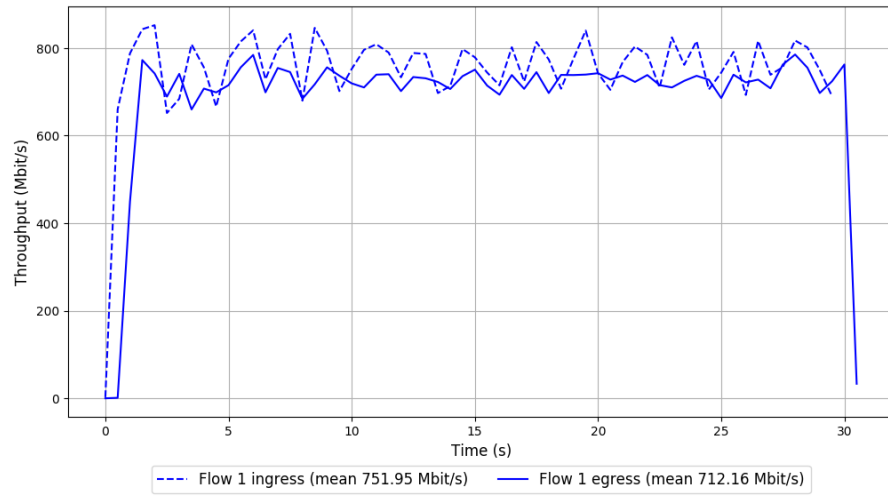
-- Flow 1:

Average throughput: 712.16 Mbit/s

95th percentile per-packet one-way delay: 133.079 ms

Loss rate: 5.28%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-01 11:57:02

End at: 2018-07-01 11:57:32

Local clock offset: 0.129 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-07-01 15:29:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 876.63 Mbit/s

95th percentile per-packet one-way delay: 116.915 ms

Loss rate: 2.66%

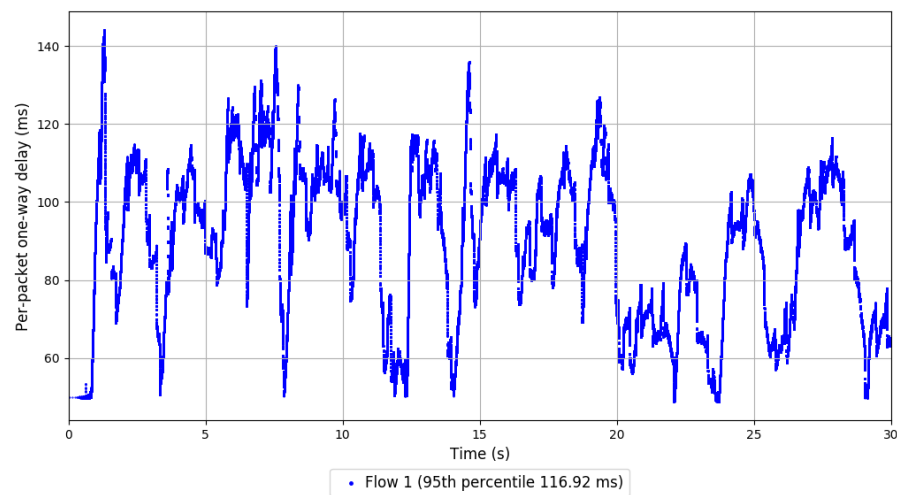
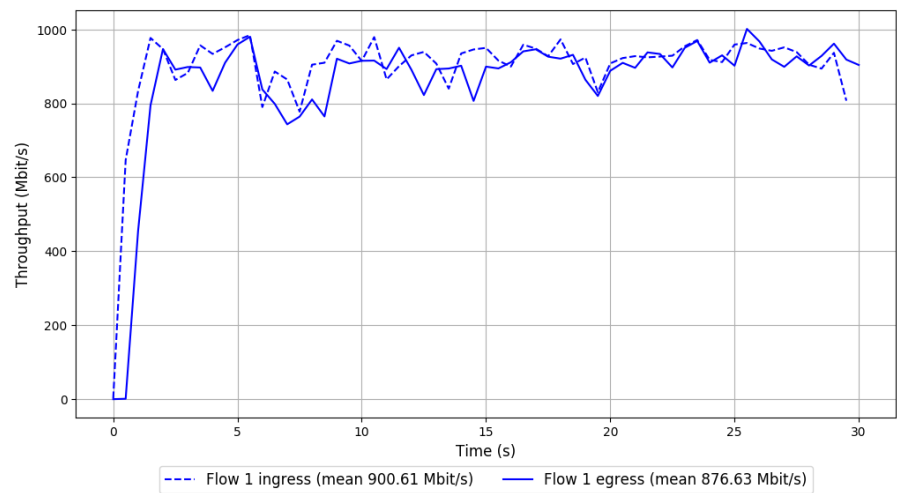
-- Flow 1:

Average throughput: 876.63 Mbit/s

95th percentile per-packet one-way delay: 116.915 ms

Loss rate: 2.66%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-01 12:18:32

End at: 2018-07-01 12:19:02

Local clock offset: 0.405 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-01 15:29:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 747.25 Mbit/s

95th percentile per-packet one-way delay: 133.633 ms

Loss rate: 3.96%

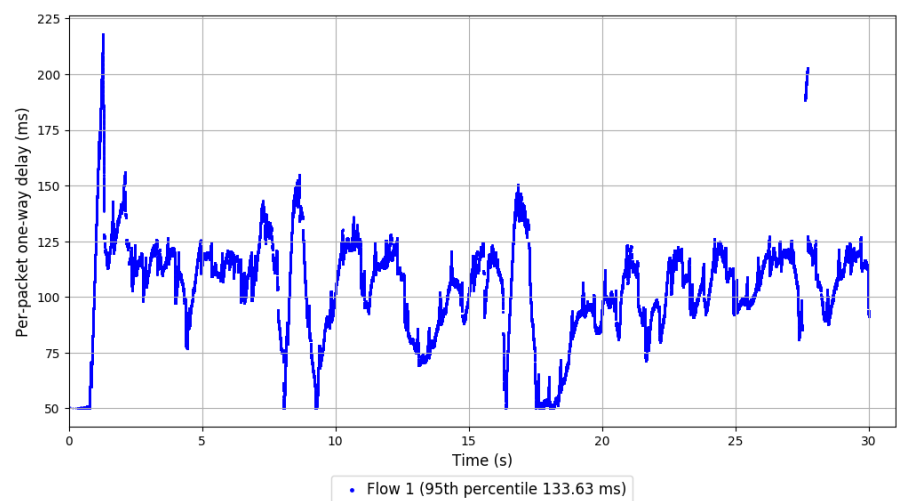
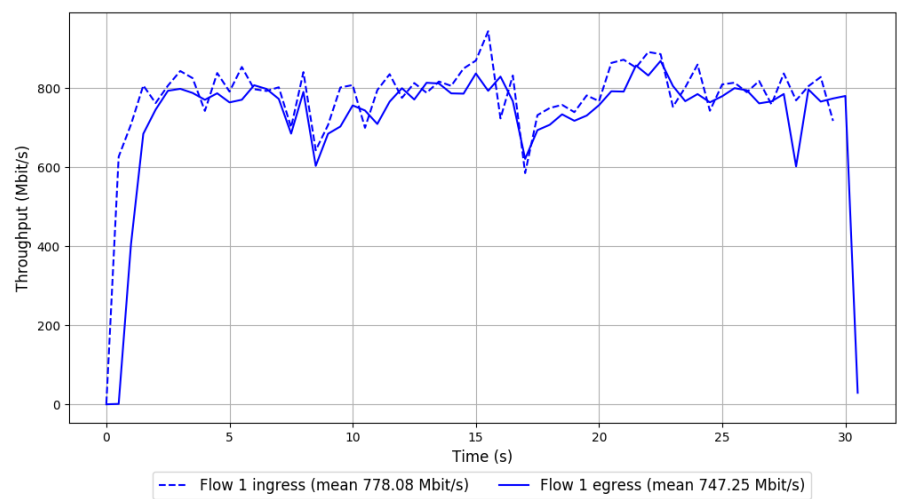
-- Flow 1:

Average throughput: 747.25 Mbit/s

95th percentile per-packet one-way delay: 133.633 ms

Loss rate: 3.96%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-01 12:40:17

End at: 2018-07-01 12:40:47

Local clock offset: 0.018 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-07-01 15:29:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 716.25 Mbit/s

95th percentile per-packet one-way delay: 158.988 ms

Loss rate: 4.61%

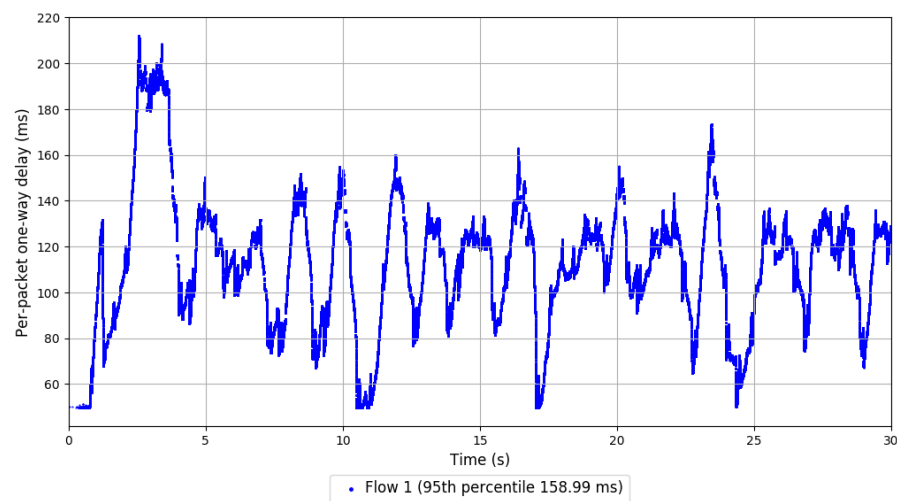
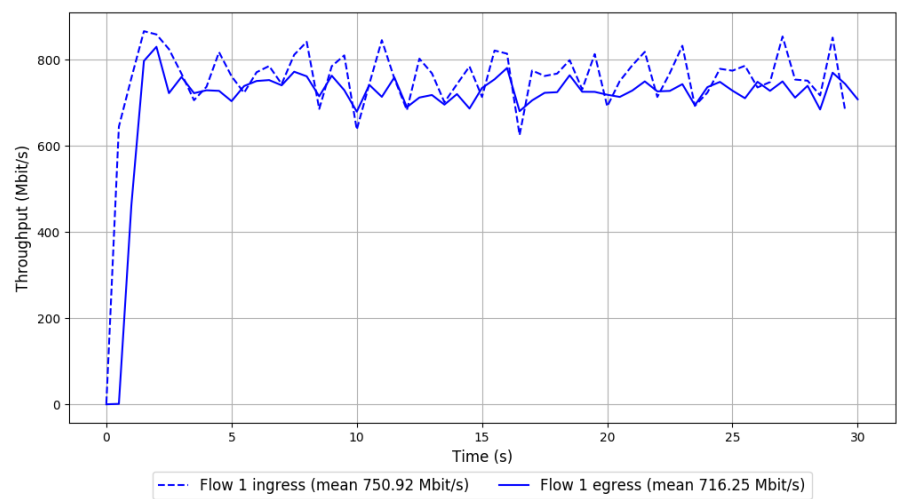
-- Flow 1:

Average throughput: 716.25 Mbit/s

95th percentile per-packet one-way delay: 158.988 ms

Loss rate: 4.61%

Run 5: Report of FillP — Data Link

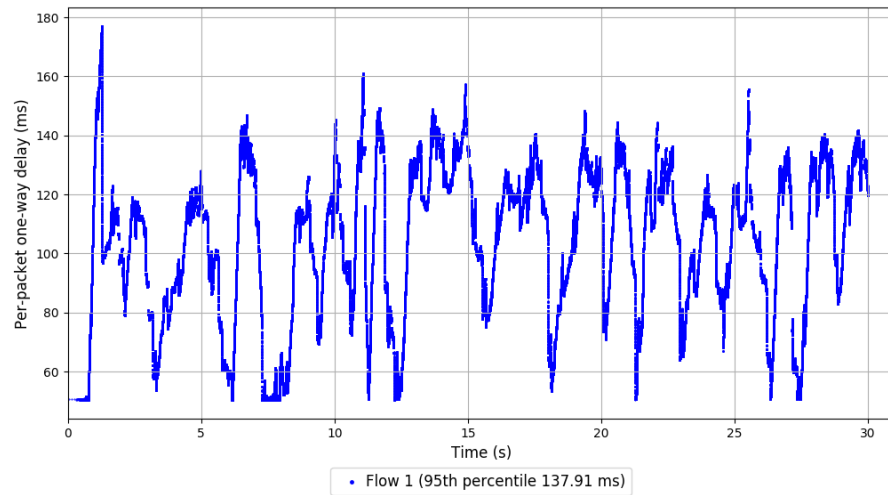
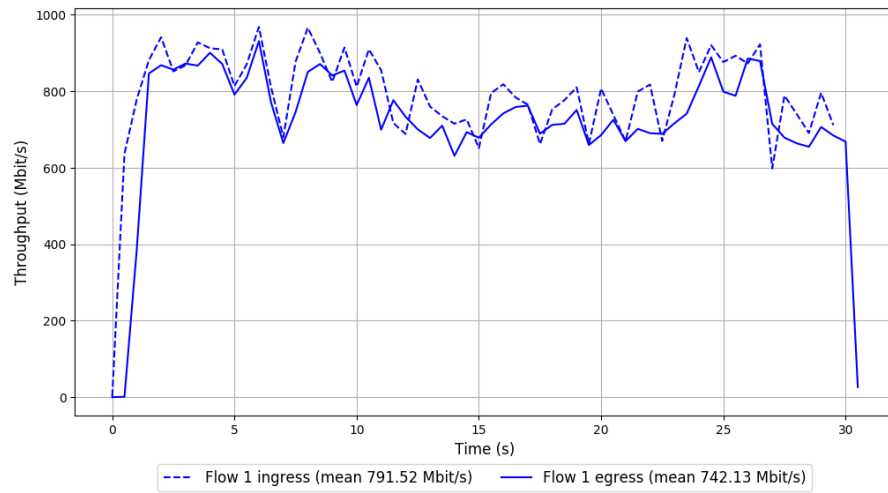


Run 6: Statistics of FillP

Start at: 2018-07-01 13:01:51
End at: 2018-07-01 13:02:21
Local clock offset: 0.066 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-07-01 15:29:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 742.13 Mbit/s
95th percentile per-packet one-way delay: 137.909 ms
Loss rate: 6.24%
-- Flow 1:
Average throughput: 742.13 Mbit/s
95th percentile per-packet one-way delay: 137.909 ms
Loss rate: 6.24%

Run 6: Report of FillP — Data Link

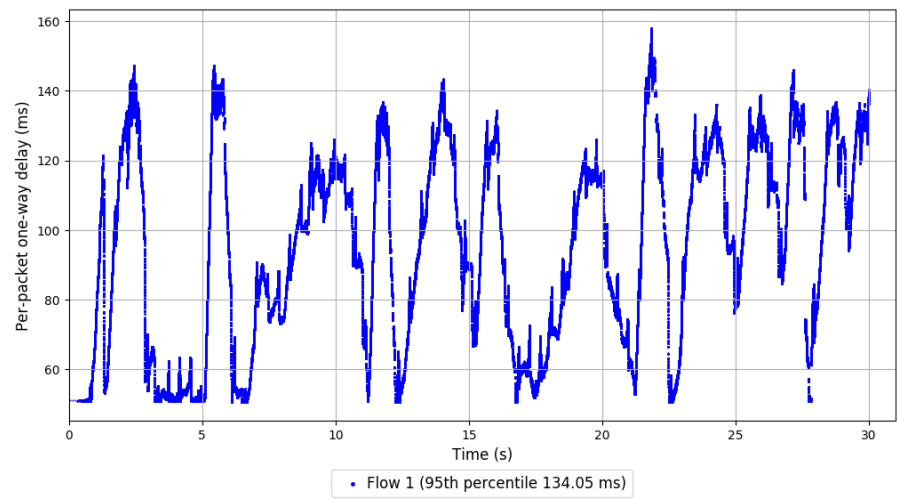
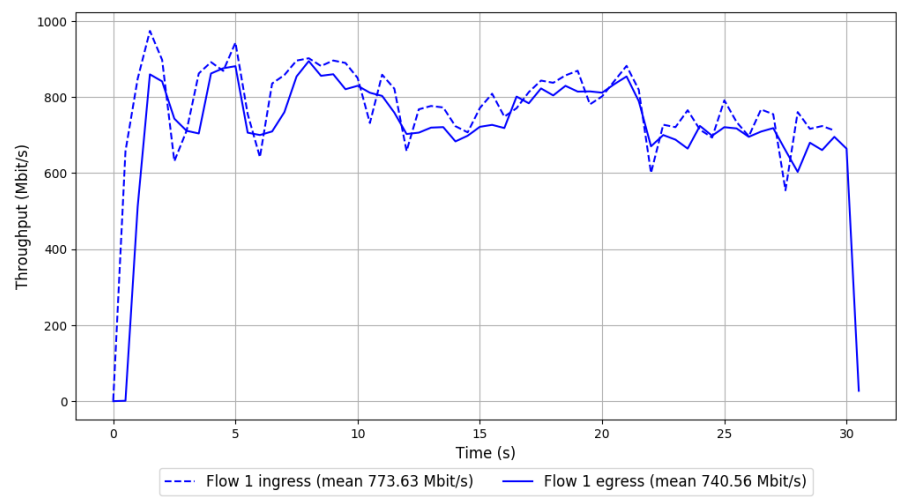


Run 7: Statistics of FillP

Start at: 2018-07-01 13:23:25
End at: 2018-07-01 13:23:55
Local clock offset: -0.328 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-01 15:29:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 740.56 Mbit/s
95th percentile per-packet one-way delay: 134.052 ms
Loss rate: 4.27%
-- Flow 1:
Average throughput: 740.56 Mbit/s
95th percentile per-packet one-way delay: 134.052 ms
Loss rate: 4.27%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-01 13:44:54

End at: 2018-07-01 13:45:24

Local clock offset: -0.326 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-01 15:30:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 830.42 Mbit/s

95th percentile per-packet one-way delay: 152.050 ms

Loss rate: 4.66%

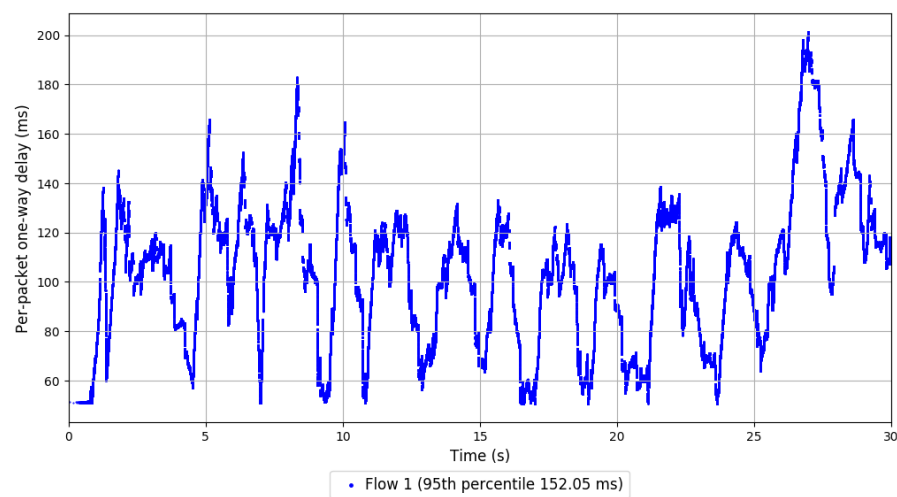
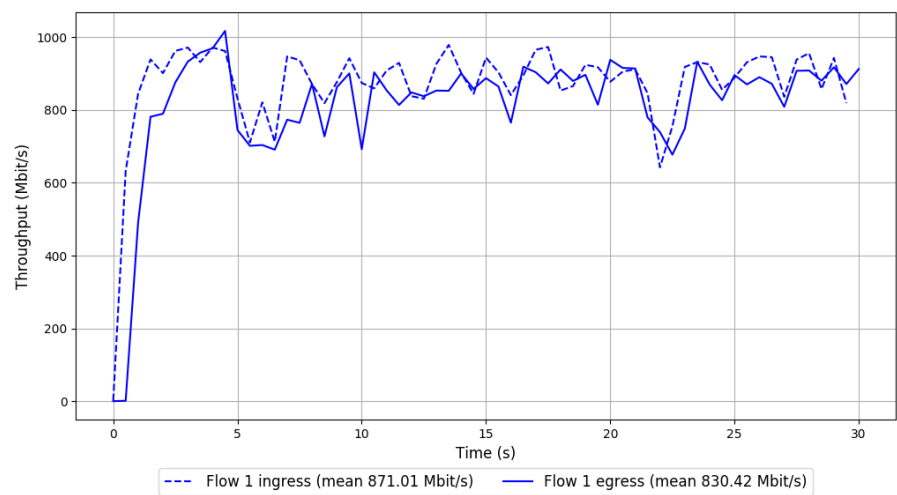
-- Flow 1:

Average throughput: 830.42 Mbit/s

95th percentile per-packet one-way delay: 152.050 ms

Loss rate: 4.66%

Run 8: Report of FillP — Data Link

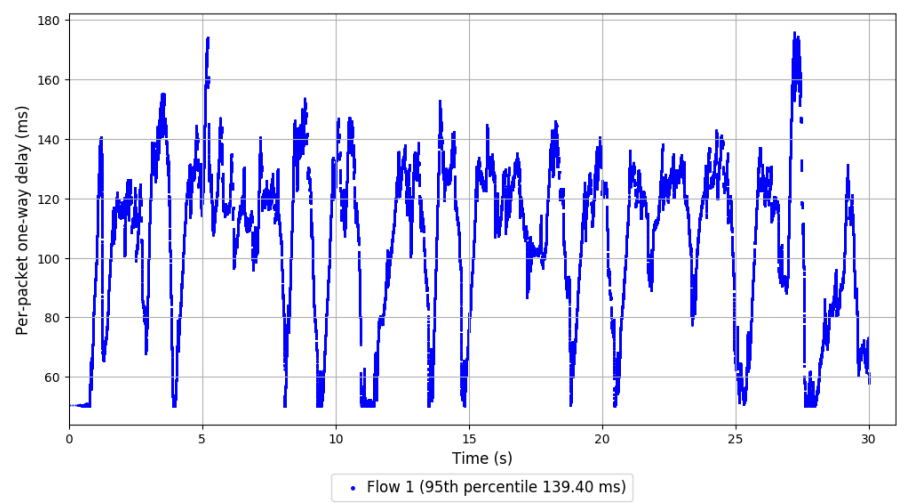
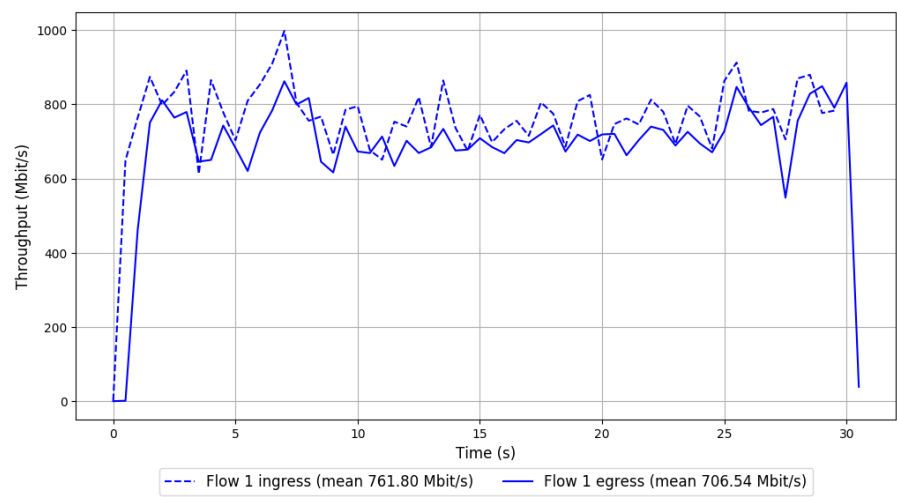


Run 9: Statistics of FillP

Start at: 2018-07-01 14:06:23
End at: 2018-07-01 14:06:53
Local clock offset: 0.061 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-07-01 15:30:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 706.54 Mbit/s
95th percentile per-packet one-way delay: 139.401 ms
Loss rate: 7.25%
-- Flow 1:
Average throughput: 706.54 Mbit/s
95th percentile per-packet one-way delay: 139.401 ms
Loss rate: 7.25%

Run 9: Report of FillP — Data Link

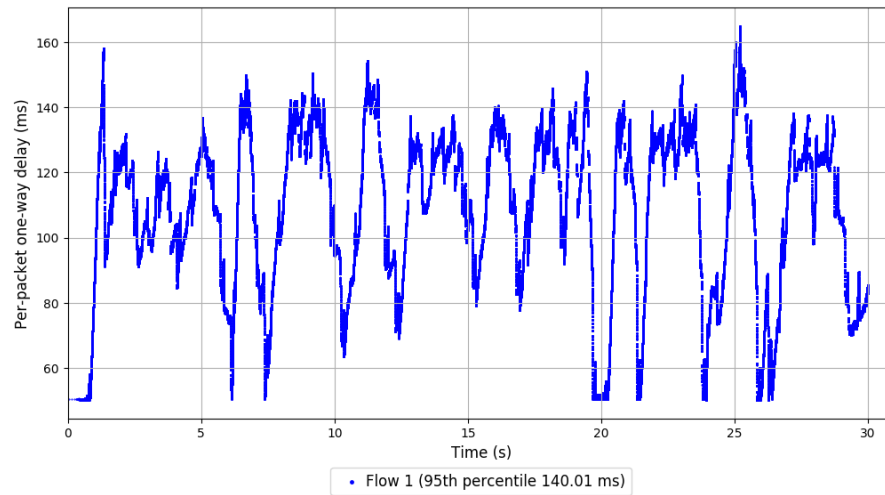
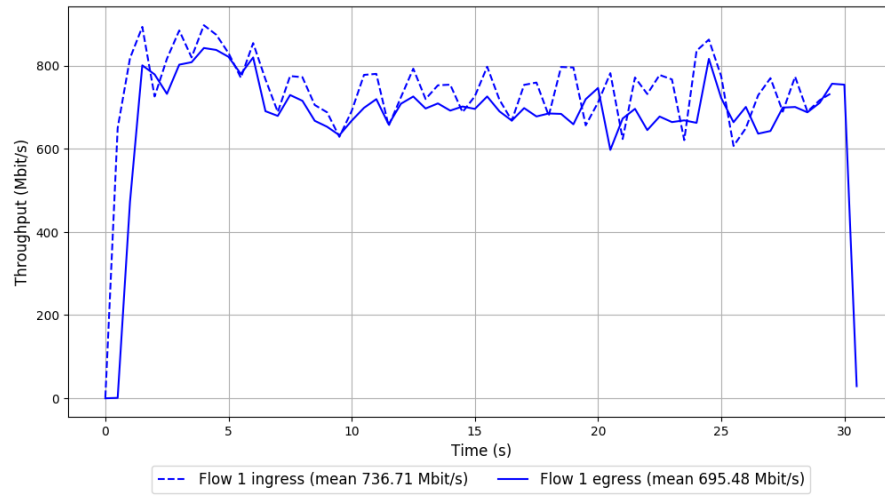


Run 10: Statistics of FillP

Start at: 2018-07-01 14:27:56
End at: 2018-07-01 14:28:26
Local clock offset: 0.023 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-07-01 15:41:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 695.48 Mbit/s
95th percentile per-packet one-way delay: 140.008 ms
Loss rate: 5.59%
-- Flow 1:
Average throughput: 695.48 Mbit/s
95th percentile per-packet one-way delay: 140.008 ms
Loss rate: 5.59%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

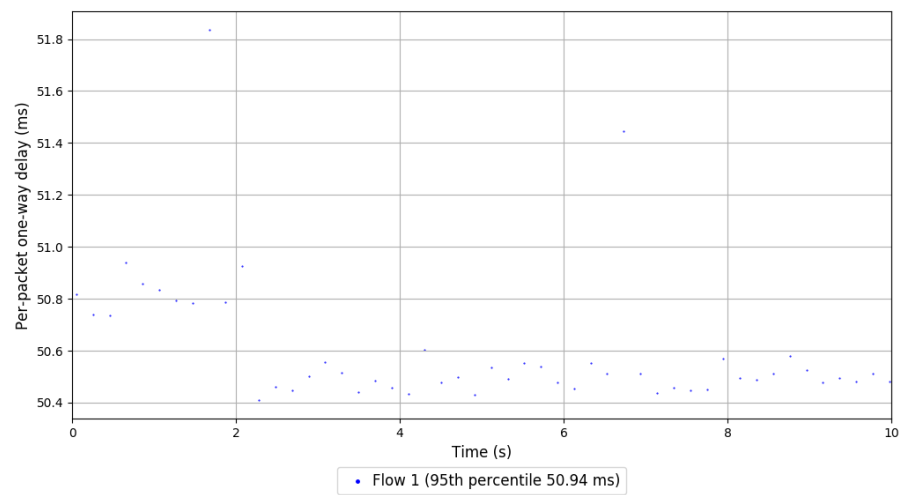
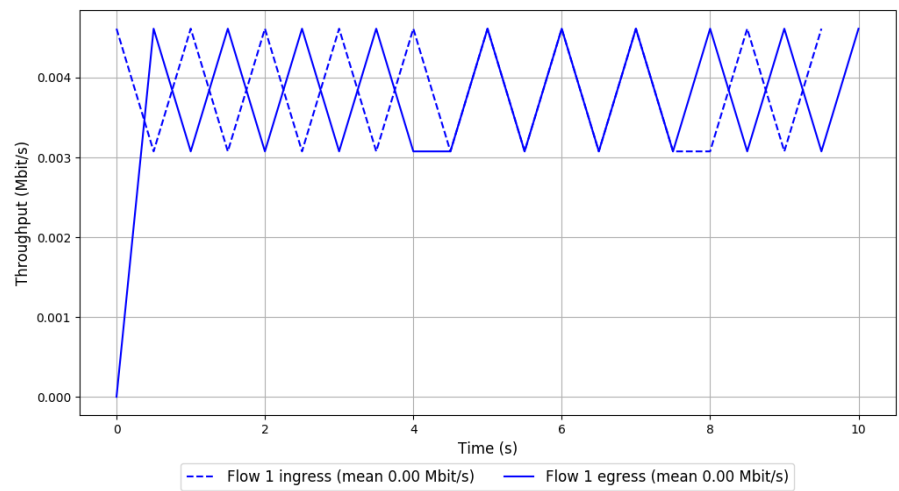
Start at: 2018-07-01 11:21:38

End at: 2018-07-01 11:22:08

Local clock offset: 0.034 ms

Remote clock offset: 0.033 ms

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

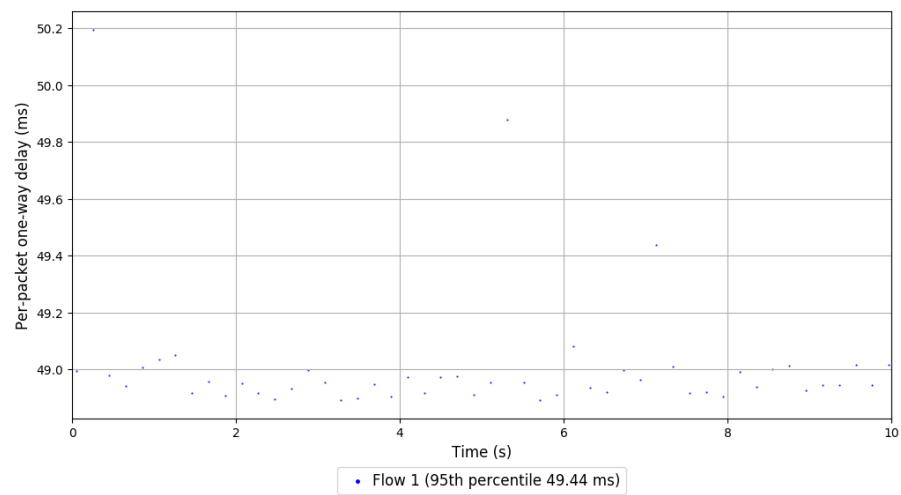
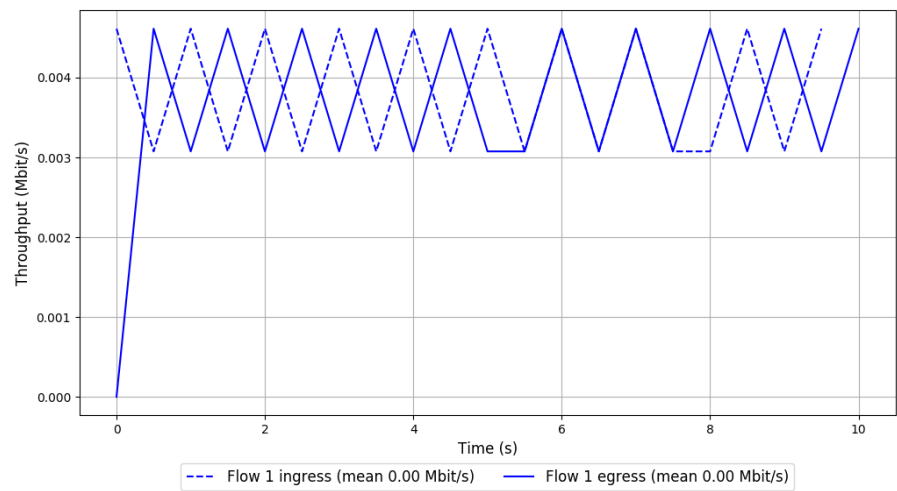
Start at: 2018-07-01 11:43:19

End at: 2018-07-01 11:43:49

Local clock offset: 0.095 ms

Remote clock offset: -0.01 ms

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

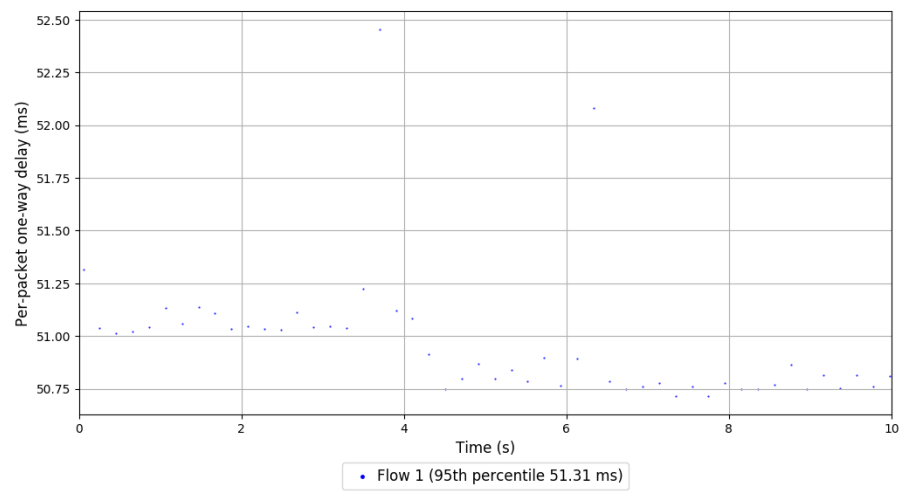
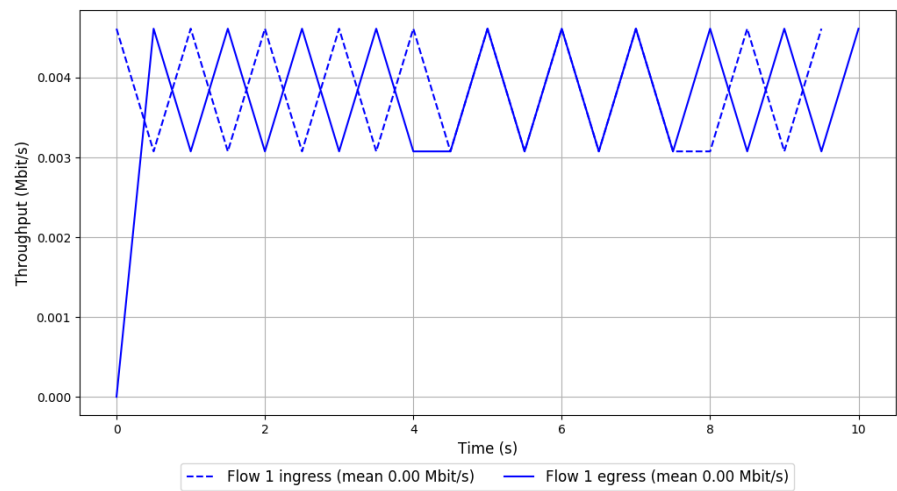
Start at: 2018-07-01 12:04:56

End at: 2018-07-01 12:05:26

Local clock offset: -0.295 ms

Remote clock offset: 0.016 ms

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

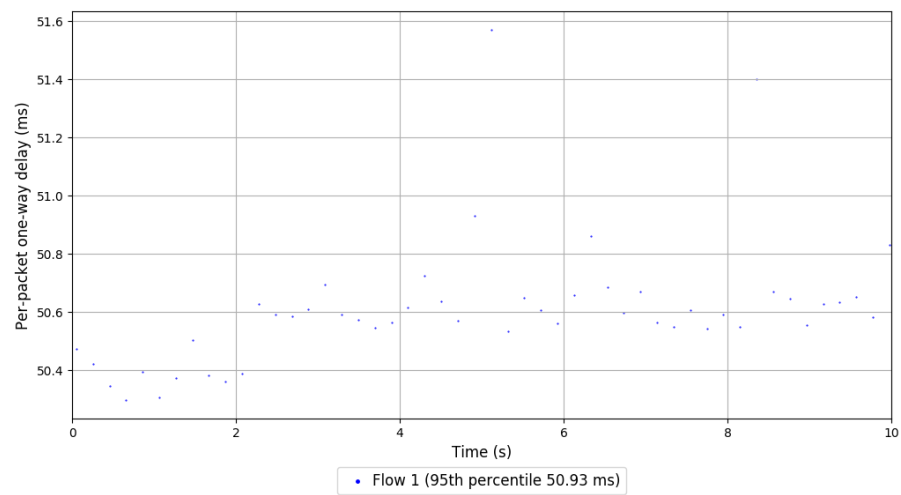
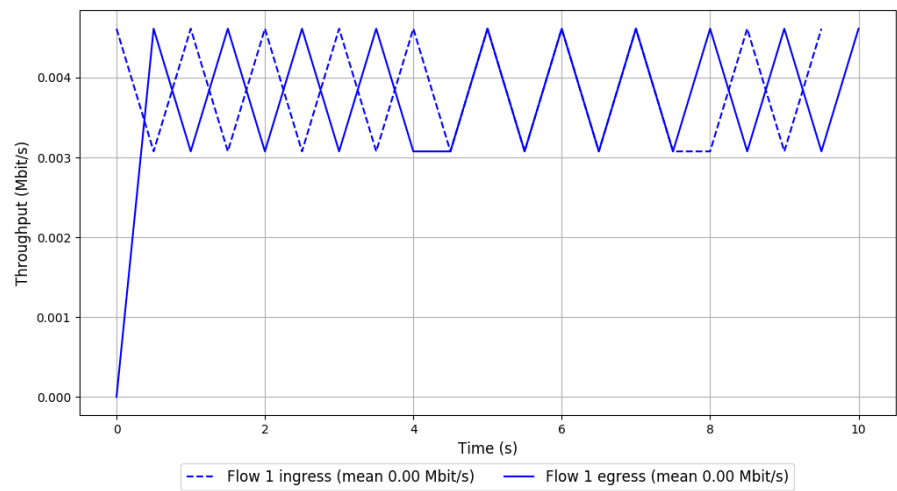
Start at: 2018-07-01 12:26:28

End at: 2018-07-01 12:26:58

Local clock offset: 0.047 ms

Remote clock offset: -0.002 ms

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

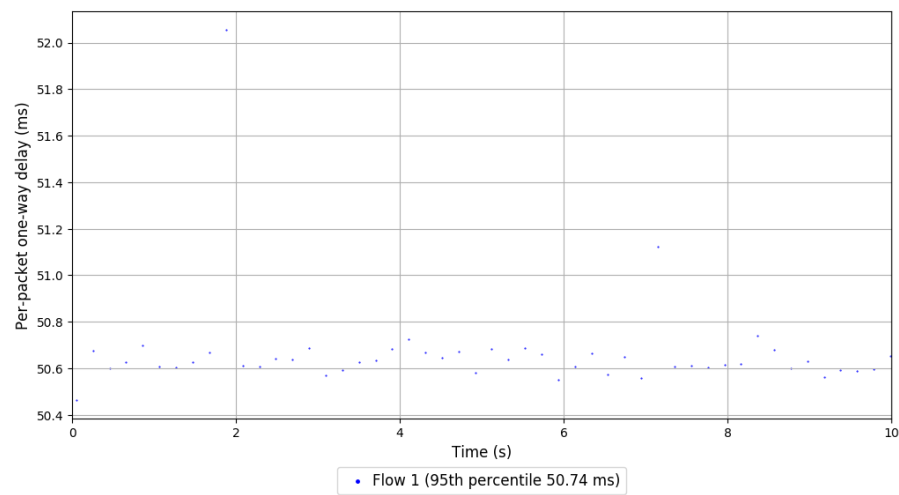
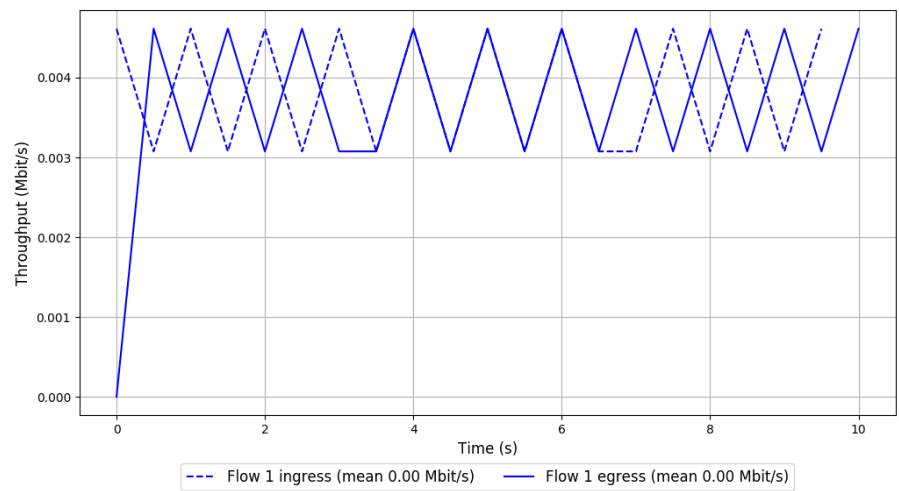
Start at: 2018-07-01 12:48:10

End at: 2018-07-01 12:48:40

Local clock offset: 0.093 ms

Remote clock offset: -0.101 ms

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

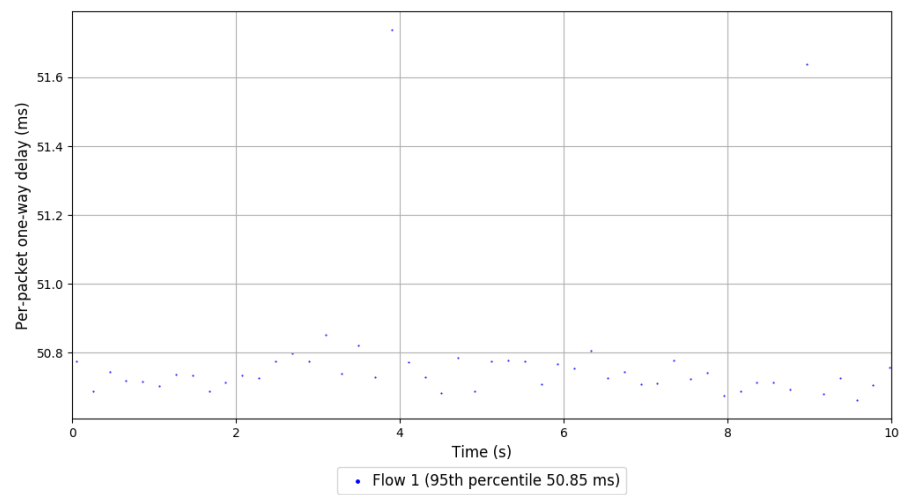
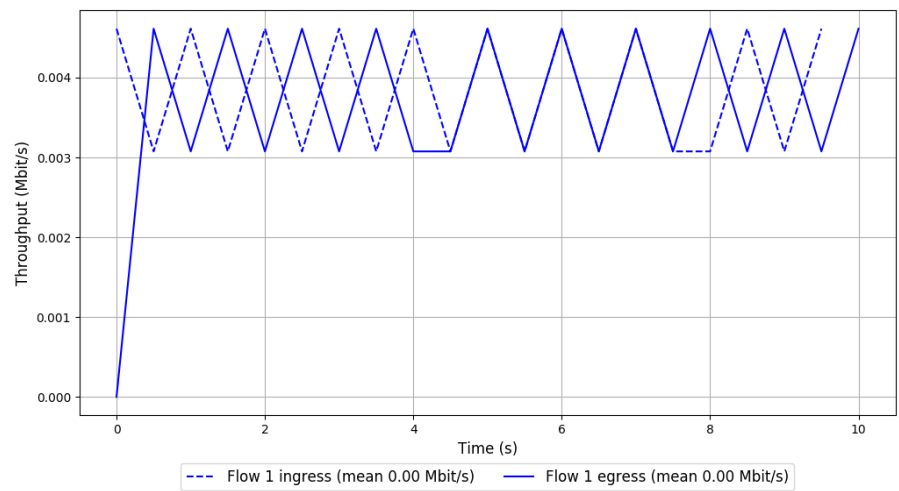
Start at: 2018-07-01 13:09:43

End at: 2018-07-01 13:10:13

Local clock offset: -0.318 ms

Remote clock offset: -0.063 ms

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

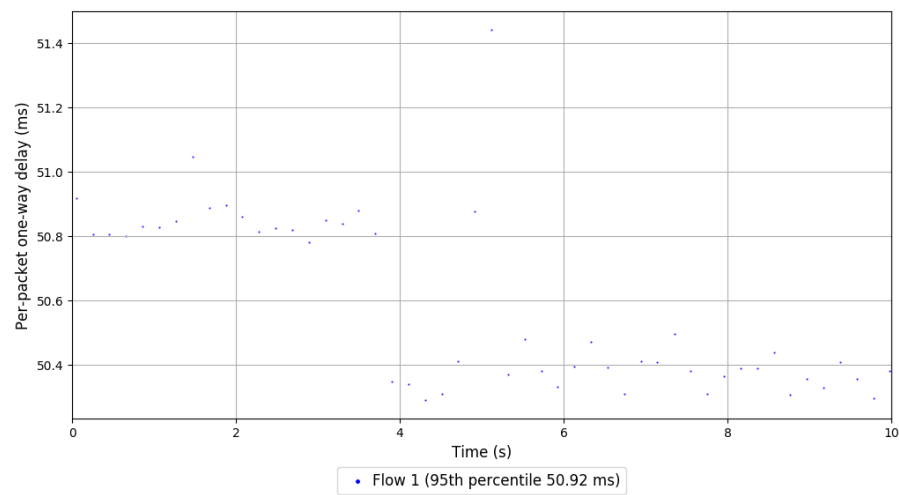
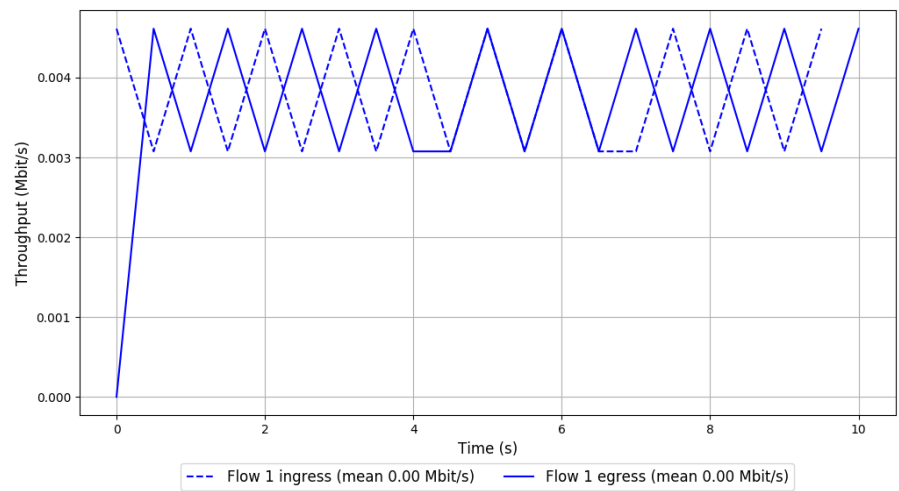
Start at: 2018-07-01 13:31:16

End at: 2018-07-01 13:31:46

Local clock offset: 0.065 ms

Remote clock offset: -0.003 ms

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

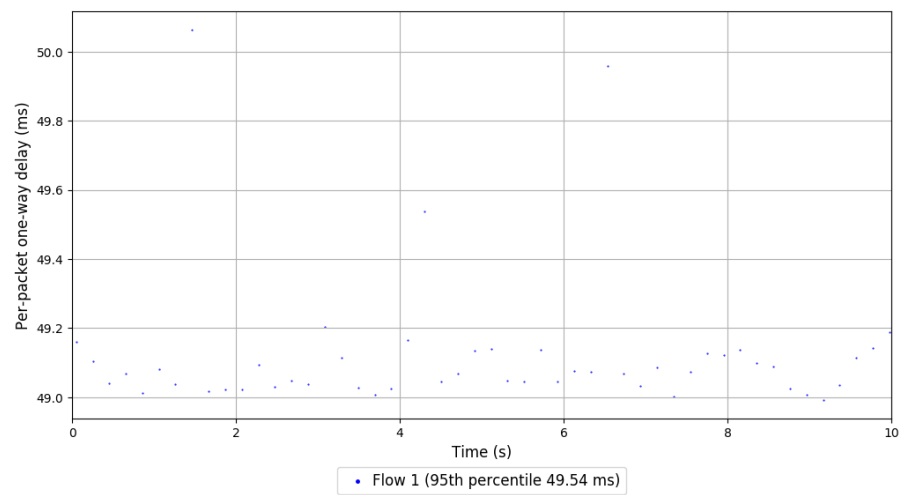
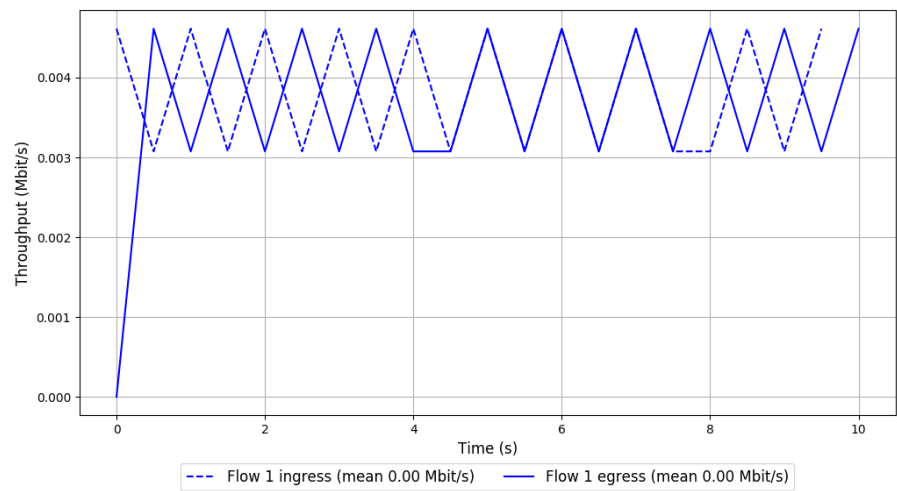
Start at: 2018-07-01 13:52:45

End at: 2018-07-01 13:53:15

Local clock offset: -0.0 ms

Remote clock offset: -0.043 ms

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

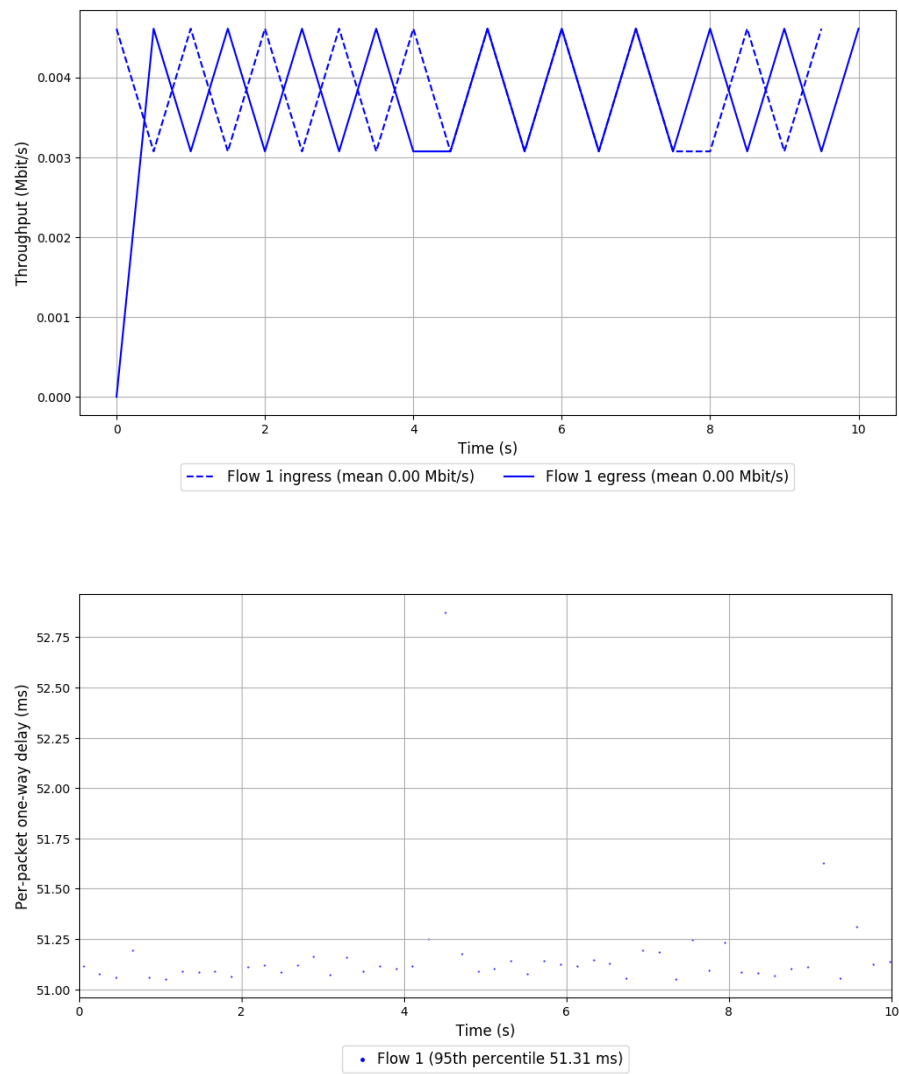
Start at: 2018-07-01 14:14:15

End at: 2018-07-01 14:14:45

Local clock offset: -0.292 ms

Remote clock offset: -0.08 ms

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

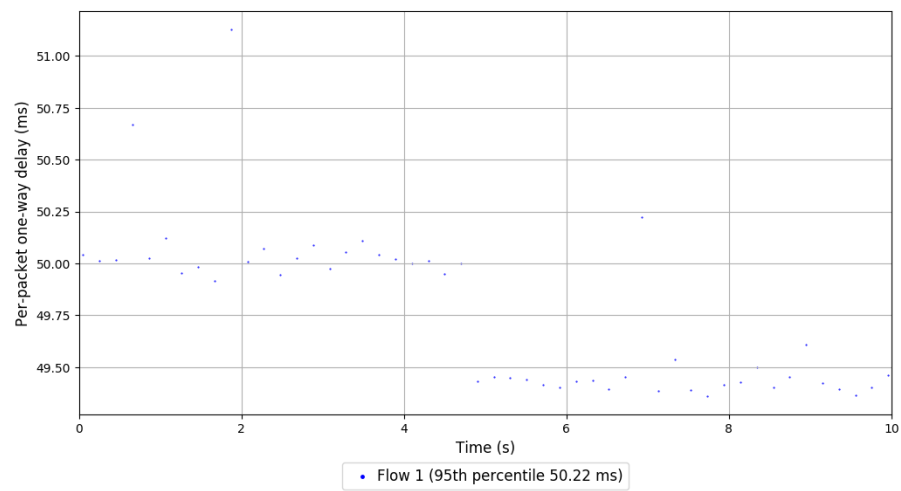
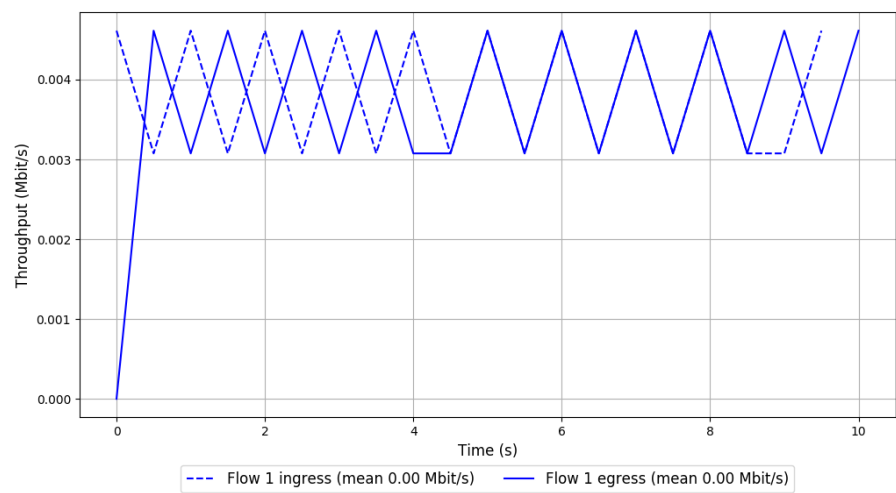
Start at: 2018-07-01 14:35:45

End at: 2018-07-01 14:36:15

Local clock offset: 0.424 ms

Remote clock offset: -0.099 ms

Run 10: Report of FillP-Sheep — Data Link

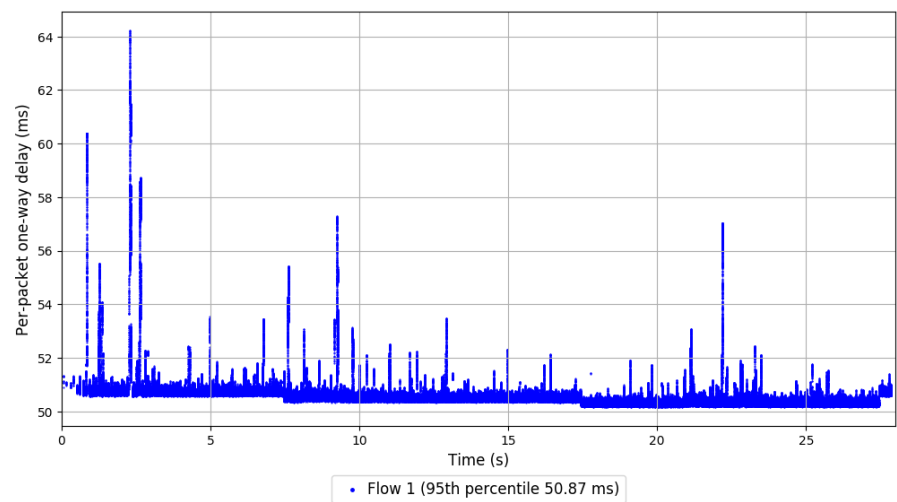
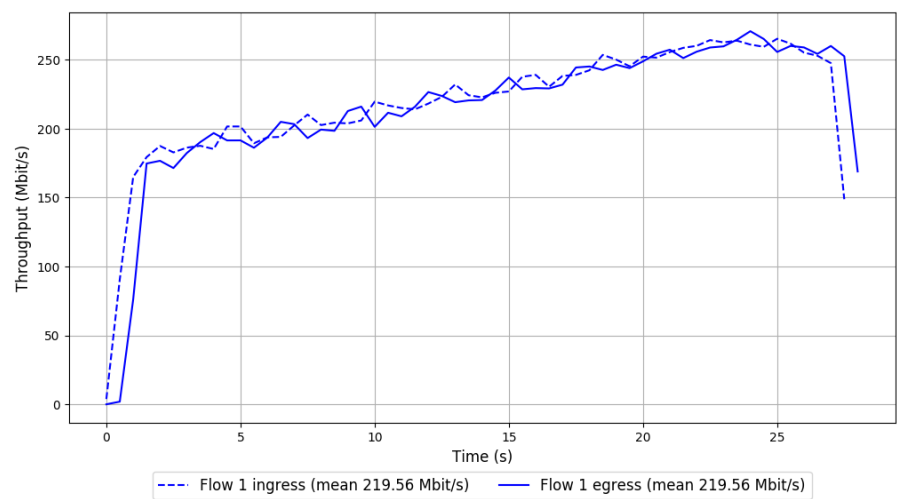


Run 1: Statistics of Indigo

Start at: 2018-07-01 11:11:30
End at: 2018-07-01 11:12:00
Local clock offset: 0.002 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-01 15:41:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.56 Mbit/s
95th percentile per-packet one-way delay: 50.872 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 219.56 Mbit/s
95th percentile per-packet one-way delay: 50.872 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

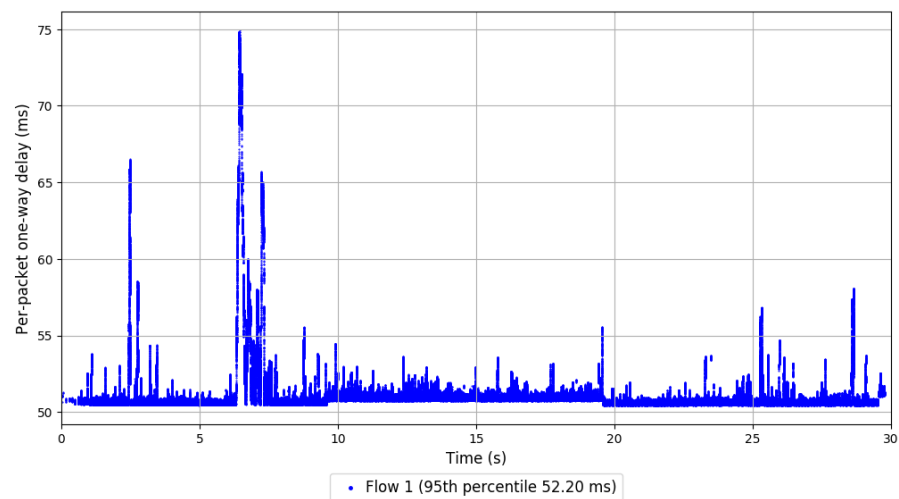
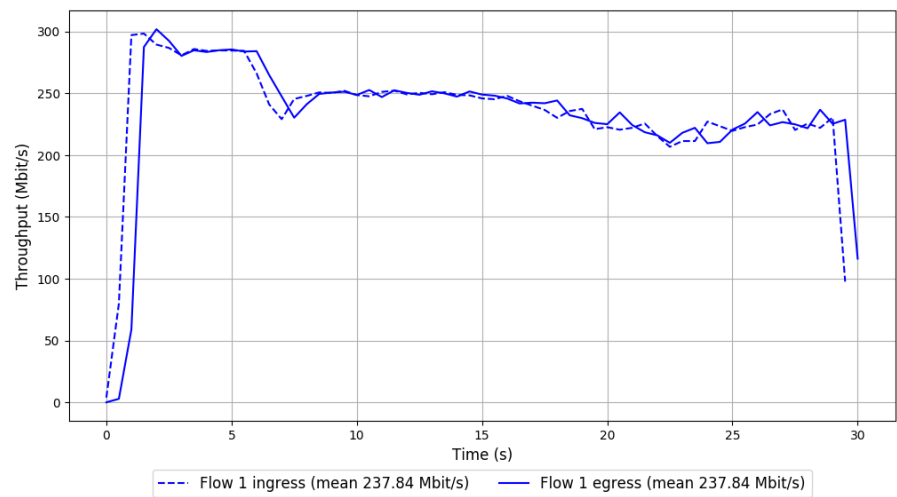


Run 2: Statistics of Indigo

Start at: 2018-07-01 11:32:50
End at: 2018-07-01 11:33:20
Local clock offset: -0.253 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-01 15:41:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 237.84 Mbit/s
95th percentile per-packet one-way delay: 52.196 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 237.84 Mbit/s
95th percentile per-packet one-way delay: 52.196 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-01 11:54:34

End at: 2018-07-01 11:55:04

Local clock offset: 0.071 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-07-01 15:41:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.83 Mbit/s

95th percentile per-packet one-way delay: 51.804 ms

Loss rate: 0.00%

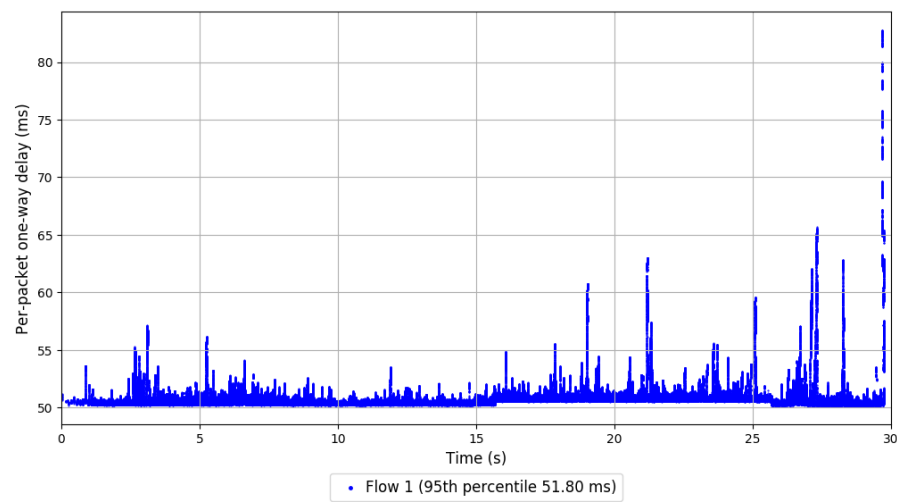
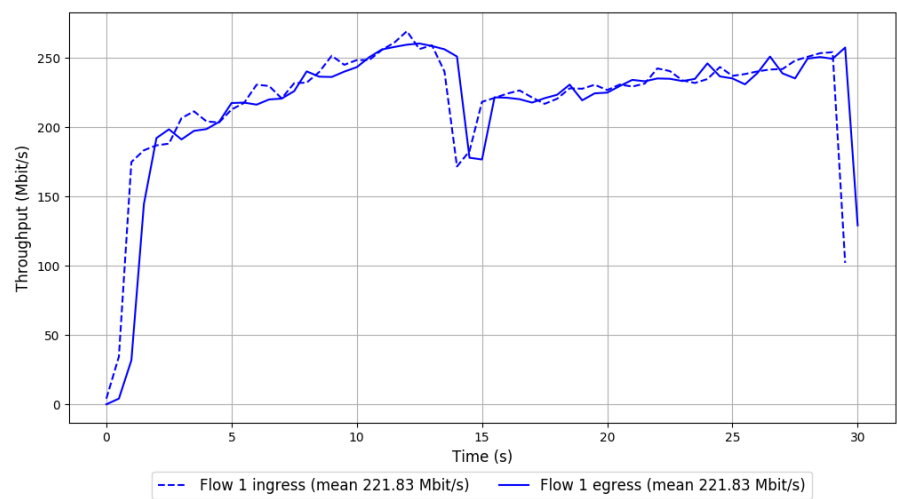
-- Flow 1:

Average throughput: 221.83 Mbit/s

95th percentile per-packet one-way delay: 51.804 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-01 12:16:01

End at: 2018-07-01 12:16:31

Local clock offset: -0.3 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-07-01 15:41:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 246.06 Mbit/s

95th percentile per-packet one-way delay: 49.647 ms

Loss rate: 0.00%

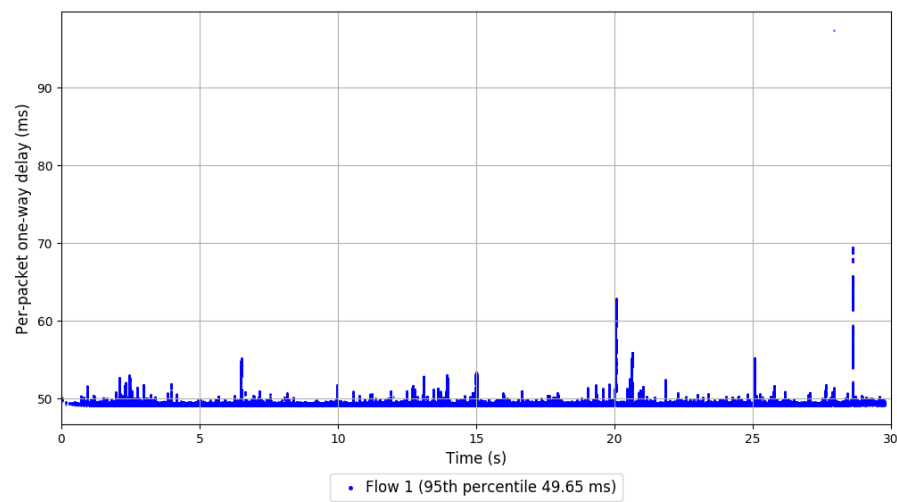
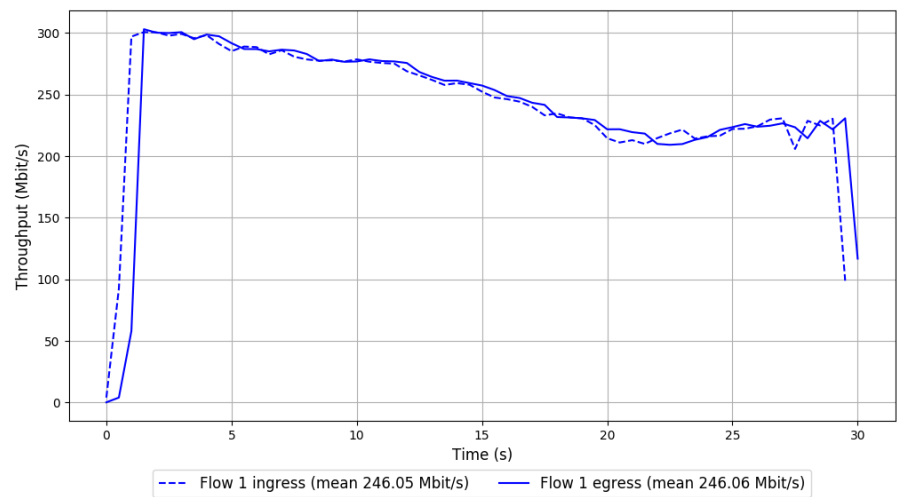
-- Flow 1:

Average throughput: 246.06 Mbit/s

95th percentile per-packet one-way delay: 49.647 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-01 12:37:42

End at: 2018-07-01 12:38:12

Local clock offset: 0.002 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-01 15:41:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.64 Mbit/s

95th percentile per-packet one-way delay: 50.909 ms

Loss rate: 0.00%

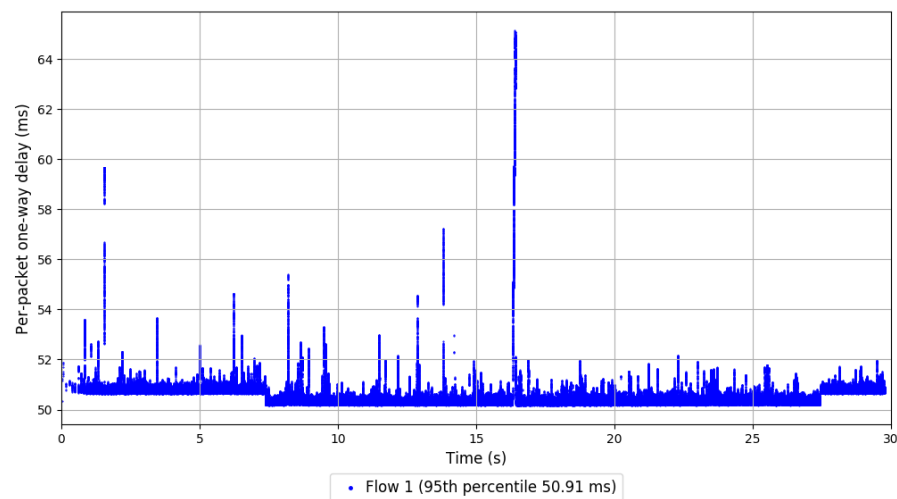
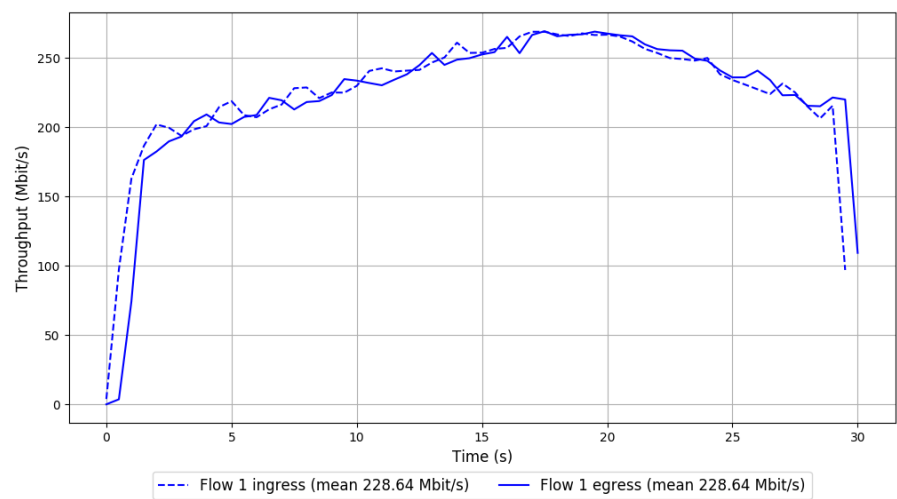
-- Flow 1:

Average throughput: 228.64 Mbit/s

95th percentile per-packet one-way delay: 50.909 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

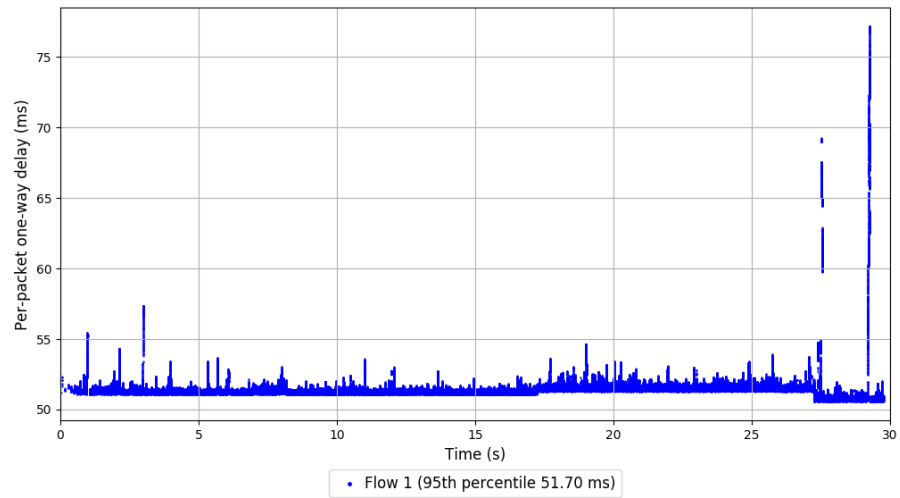
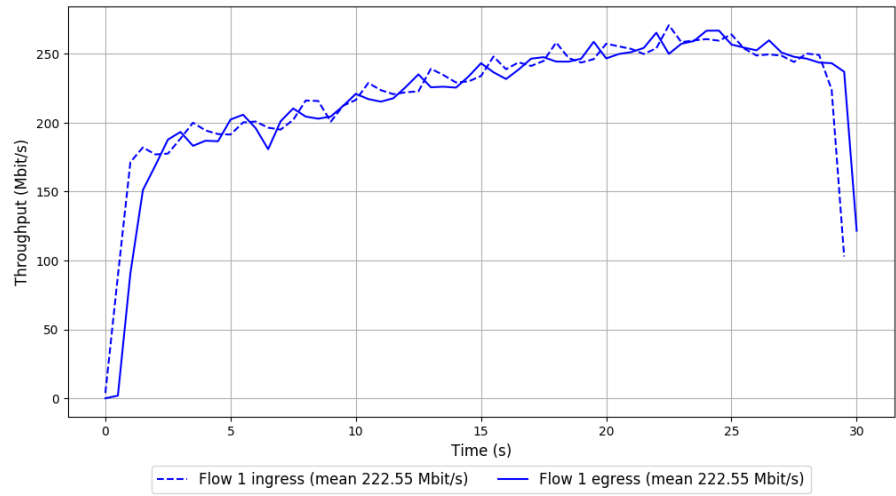


Run 6: Statistics of Indigo

Start at: 2018-07-01 12:59:23
End at: 2018-07-01 12:59:53
Local clock offset: -0.326 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-01 15:41:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.55 Mbit/s
95th percentile per-packet one-way delay: 51.698 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 222.55 Mbit/s
95th percentile per-packet one-way delay: 51.698 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

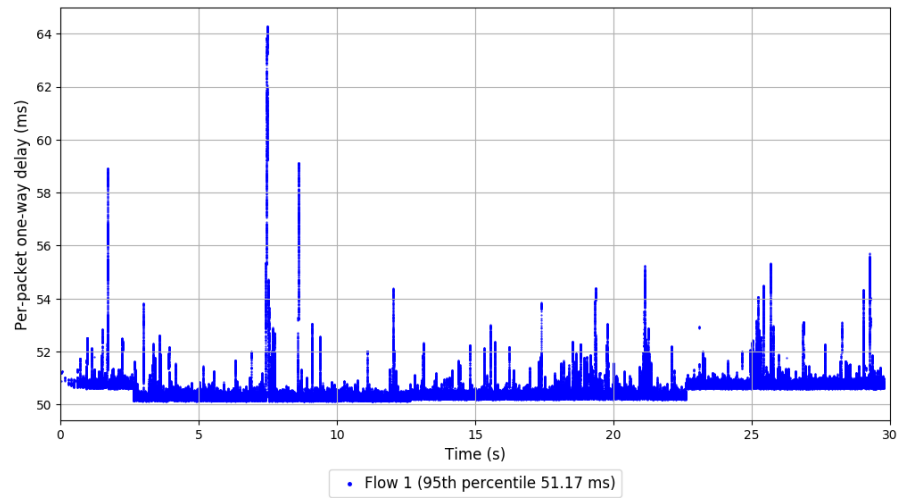
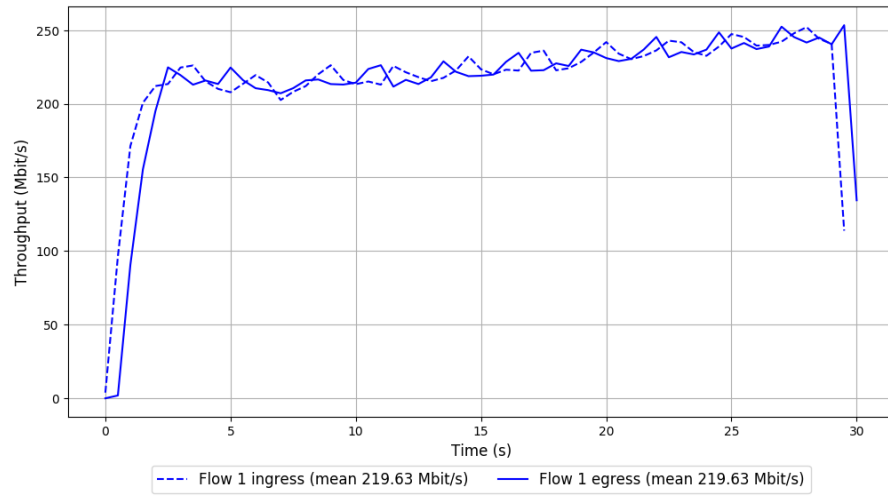


Run 7: Statistics of Indigo

Start at: 2018-07-01 13:20:57
End at: 2018-07-01 13:21:27
Local clock offset: 0.066 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-01 15:41:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.63 Mbit/s
95th percentile per-packet one-way delay: 51.174 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 219.63 Mbit/s
95th percentile per-packet one-way delay: 51.174 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-01 13:42:25

End at: 2018-07-01 13:42:56

Local clock offset: -0.337 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-07-01 15:41:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.07 Mbit/s

95th percentile per-packet one-way delay: 52.087 ms

Loss rate: 0.00%

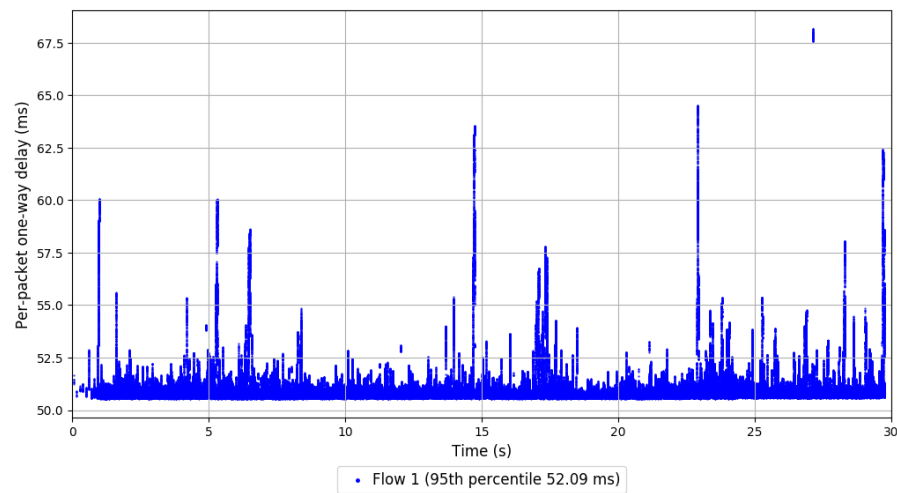
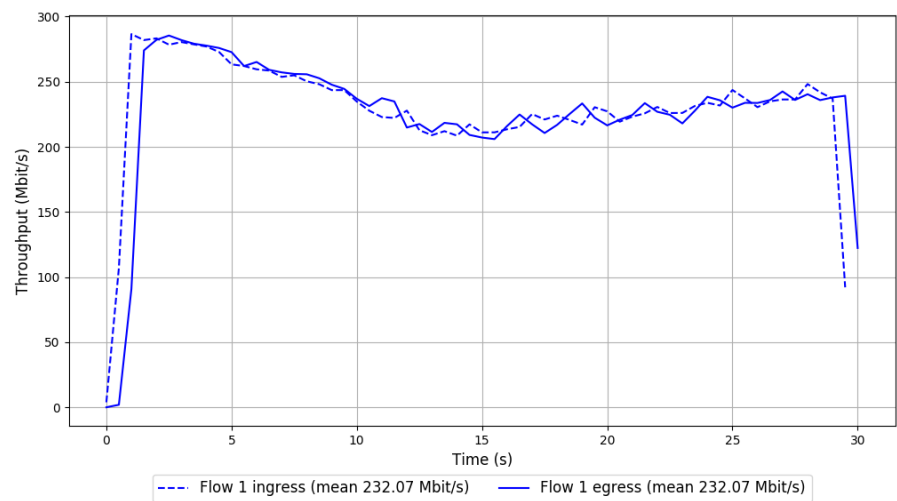
-- Flow 1:

Average throughput: 232.07 Mbit/s

95th percentile per-packet one-way delay: 52.087 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

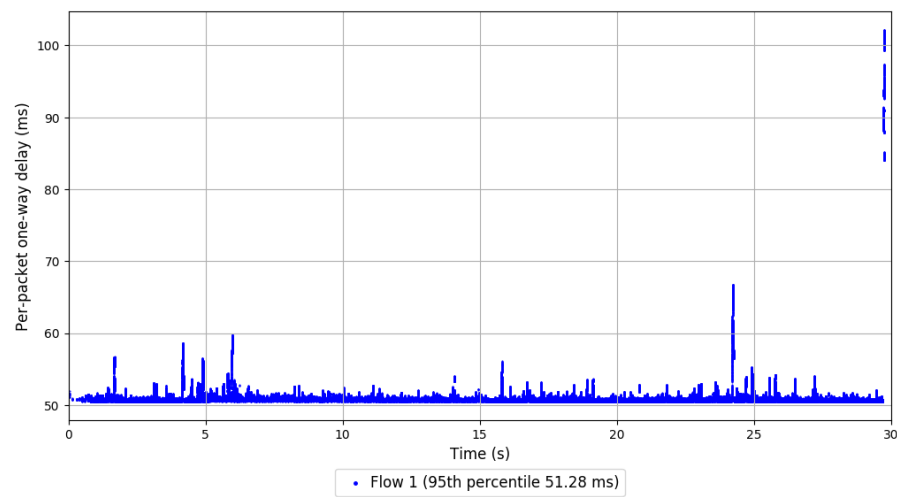
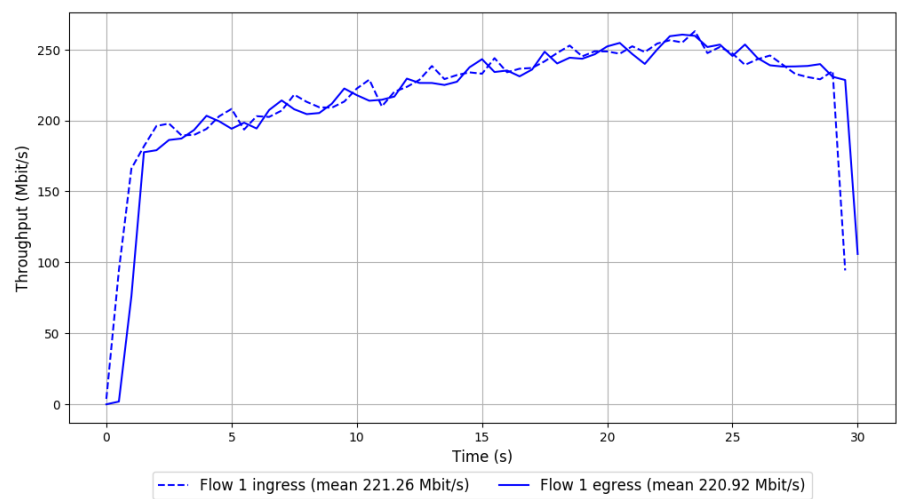


Run 9: Statistics of Indigo

Start at: 2018-07-01 14:03:55
End at: 2018-07-01 14:04:25
Local clock offset: 0.063 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-01 15:41:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 220.92 Mbit/s
95th percentile per-packet one-way delay: 51.277 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 220.92 Mbit/s
95th percentile per-packet one-way delay: 51.277 ms
Loss rate: 0.07%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-01 14:25:22

End at: 2018-07-01 14:25:52

Local clock offset: -0.338 ms

Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-07-01 15:41:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.93 Mbit/s

95th percentile per-packet one-way delay: 51.730 ms

Loss rate: 0.00%

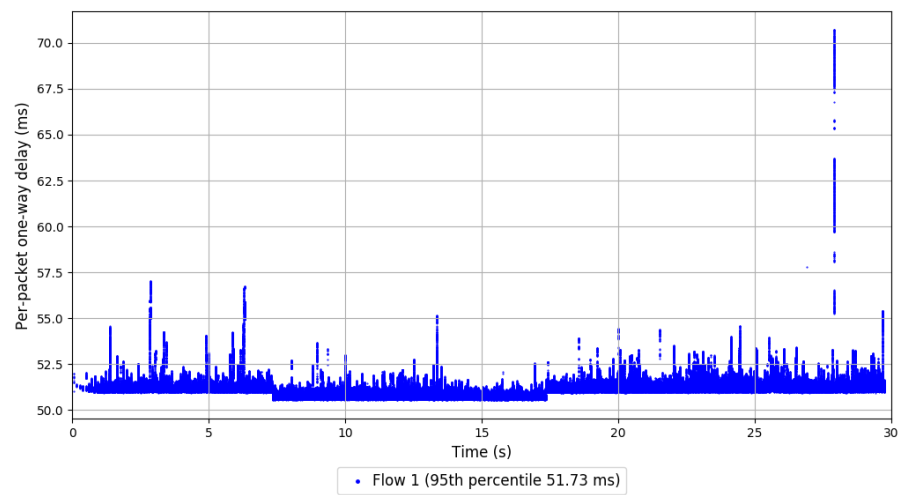
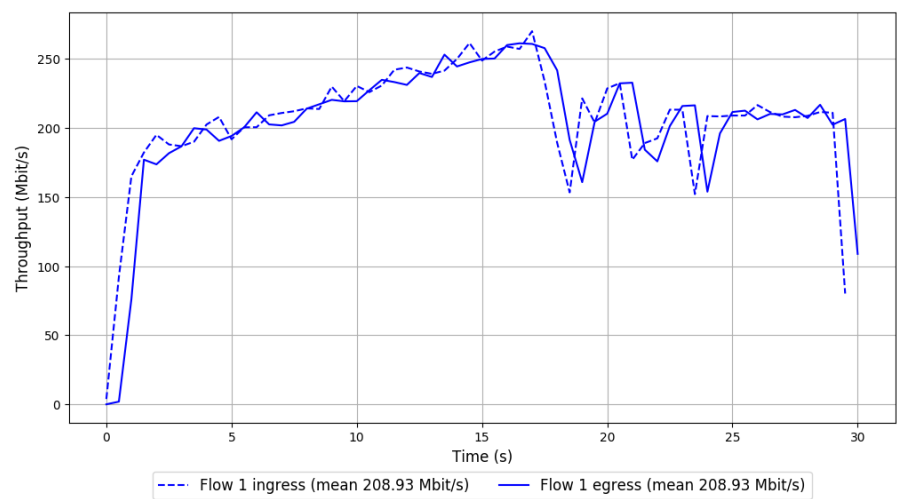
-- Flow 1:

Average throughput: 208.93 Mbit/s

95th percentile per-packet one-way delay: 51.730 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

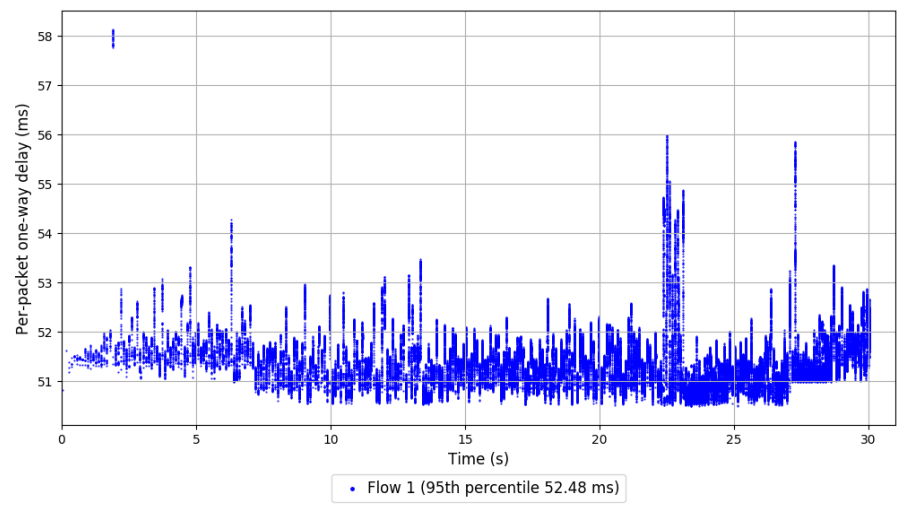
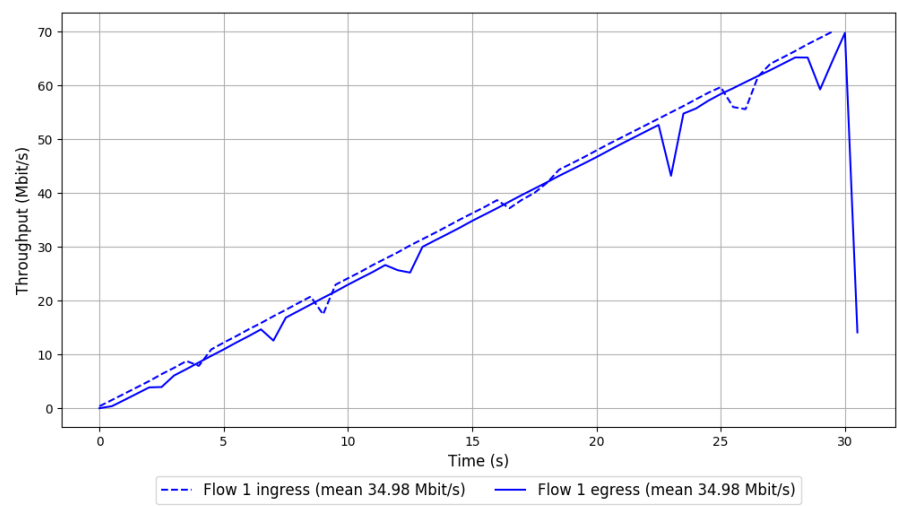


Run 1: Statistics of LEDBAT

Start at: 2018-07-01 11:17:53
End at: 2018-07-01 11:18:23
Local clock offset: -0.376 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-01 15:41:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.98 Mbit/s
95th percentile per-packet one-way delay: 52.481 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.98 Mbit/s
95th percentile per-packet one-way delay: 52.481 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-01 11:39:35

End at: 2018-07-01 11:40:05

Local clock offset: 0.084 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-07-01 15:41:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.78 Mbit/s

95th percentile per-packet one-way delay: 52.083 ms

Loss rate: 0.00%

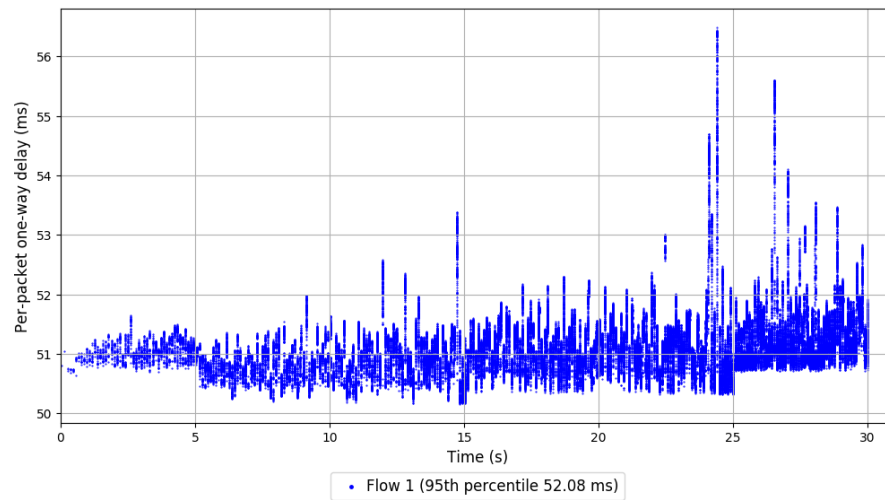
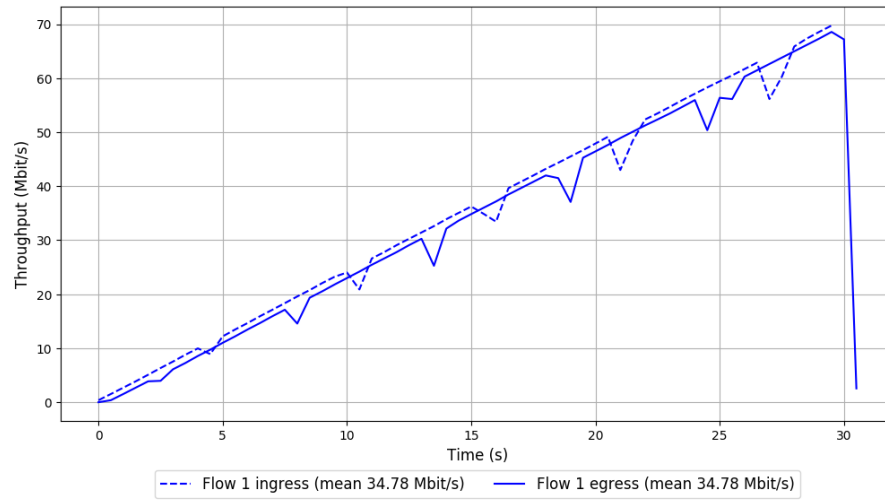
-- Flow 1:

Average throughput: 34.78 Mbit/s

95th percentile per-packet one-way delay: 52.083 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-01 12:01:09

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

Local clock offset: -0.257 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-01 15:41:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.76 Mbit/s

95th percentile per-packet one-way delay: 52.626 ms

Loss rate: 0.00%

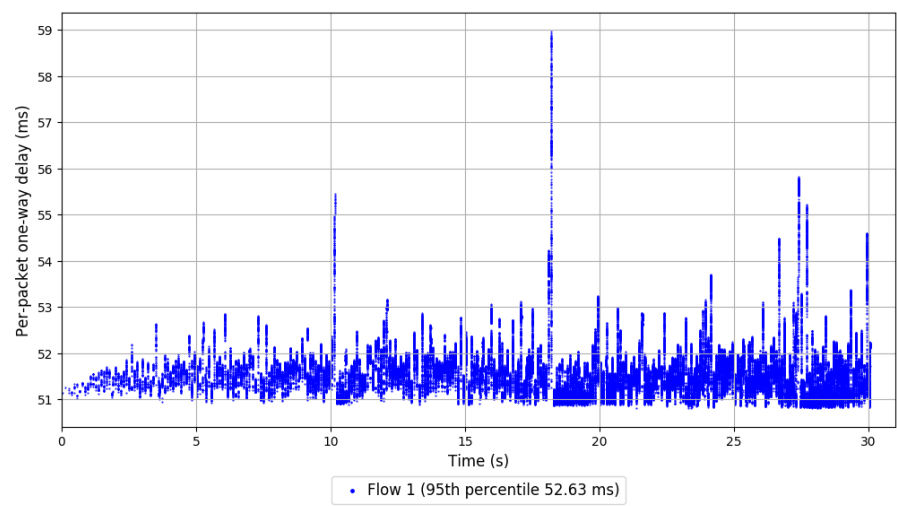
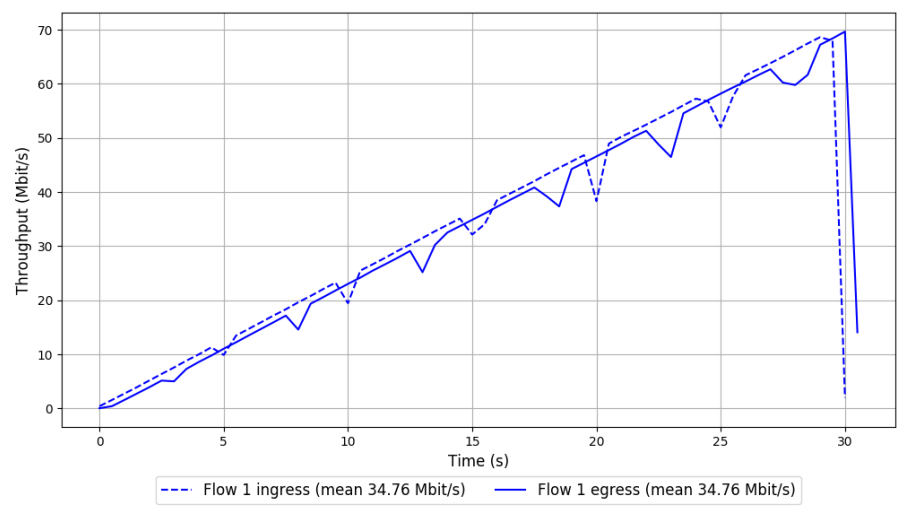
-- Flow 1:

Average throughput: 34.76 Mbit/s

95th percentile per-packet one-way delay: 52.626 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-01 12:22:46

End at: 2018-07-01 12:23:16

Local clock offset: -0.357 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-07-01 15:41:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.06 Mbit/s

95th percentile per-packet one-way delay: 52.222 ms

Loss rate: 0.00%

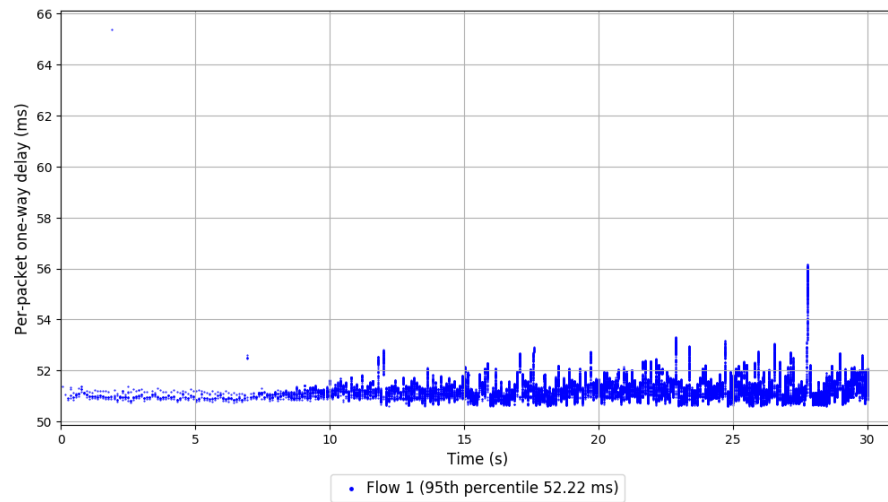
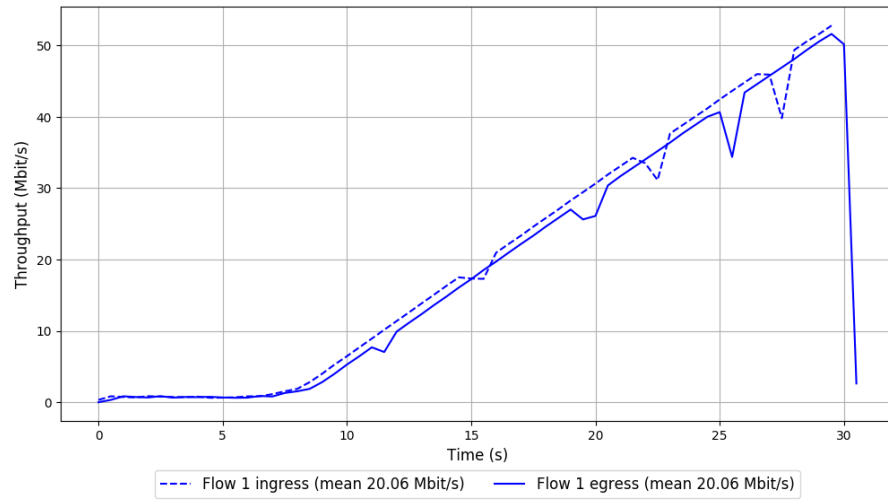
-- Flow 1:

Average throughput: 20.06 Mbit/s

95th percentile per-packet one-way delay: 52.222 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

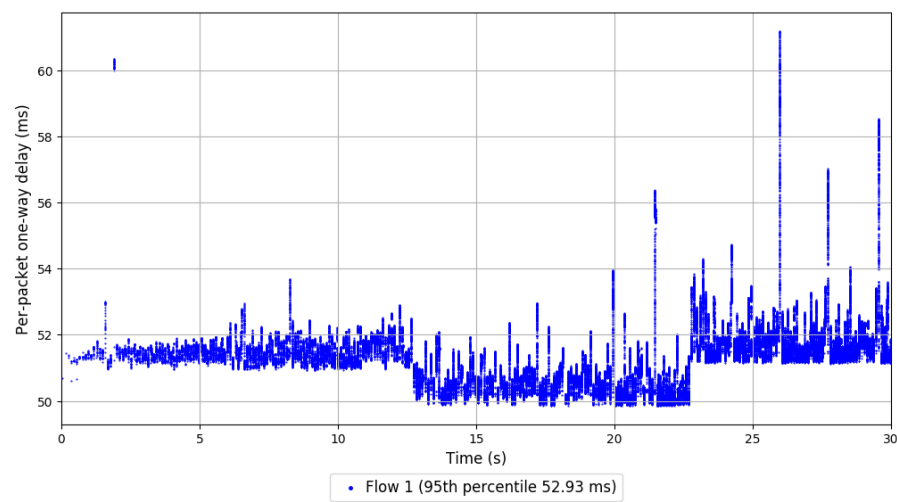
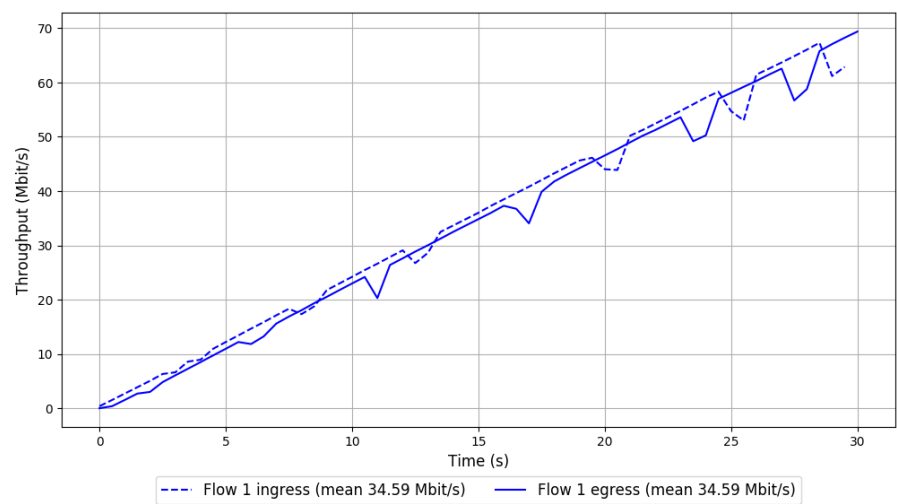


Run 5: Statistics of LEDBAT

Start at: 2018-07-01 12:44:27
End at: 2018-07-01 12:44:57
Local clock offset: -0.298 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-01 15:41:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.59 Mbit/s
95th percentile per-packet one-way delay: 52.928 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.59 Mbit/s
95th percentile per-packet one-way delay: 52.928 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-01 13:06:00

End at: 2018-07-01 13:06:30

Local clock offset: -0.358 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-07-01 15:41:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.17 Mbit/s

95th percentile per-packet one-way delay: 52.635 ms

Loss rate: 0.00%

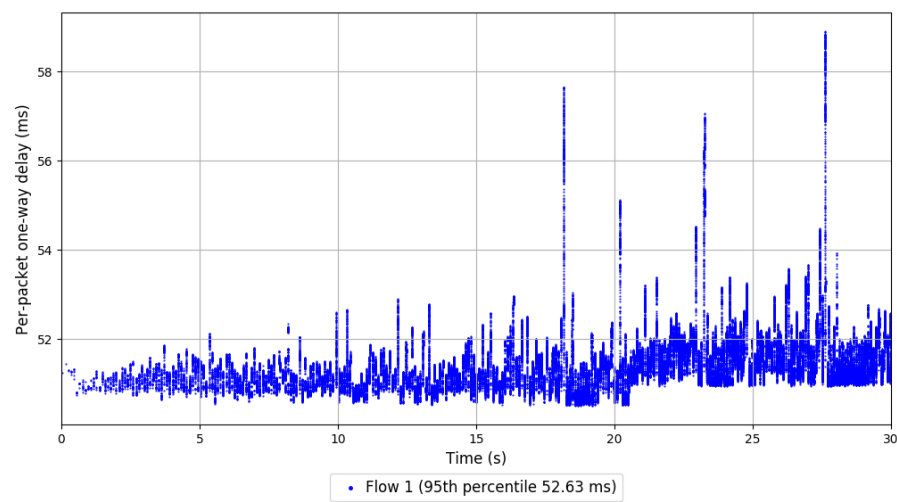
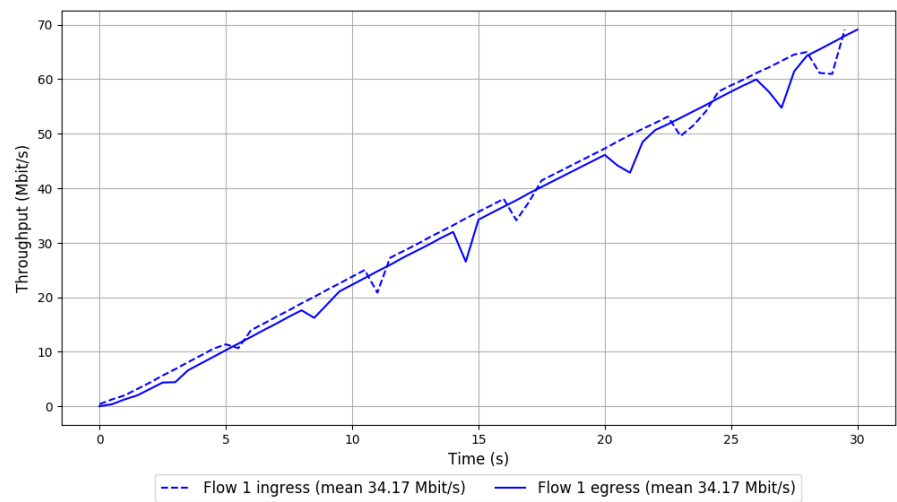
-- Flow 1:

Average throughput: 34.17 Mbit/s

95th percentile per-packet one-way delay: 52.635 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-01 13:27:34

End at: 2018-07-01 13:28:04

Local clock offset: 0.067 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-01 15:41:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.82 Mbit/s

95th percentile per-packet one-way delay: 52.285 ms

Loss rate: 0.00%

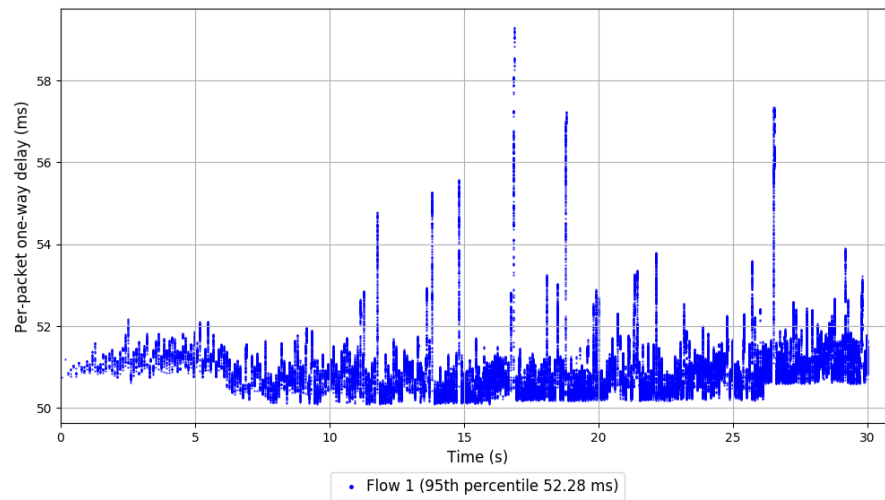
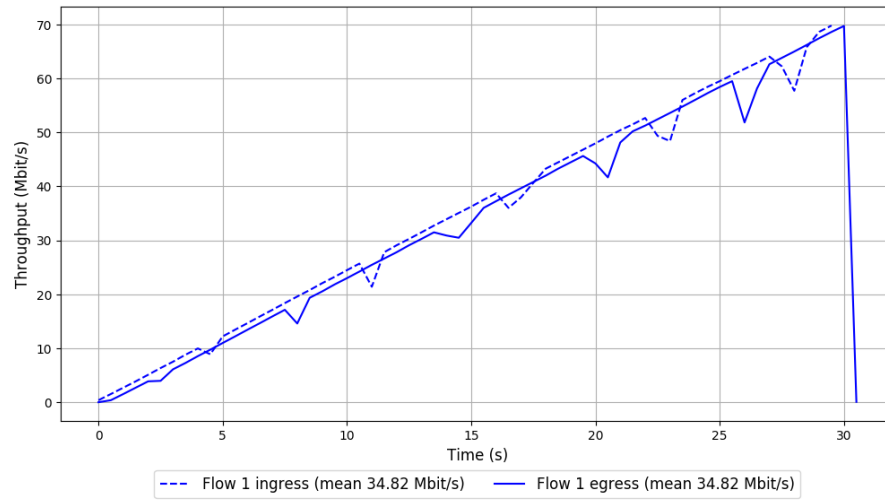
-- Flow 1:

Average throughput: 34.82 Mbit/s

95th percentile per-packet one-way delay: 52.285 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

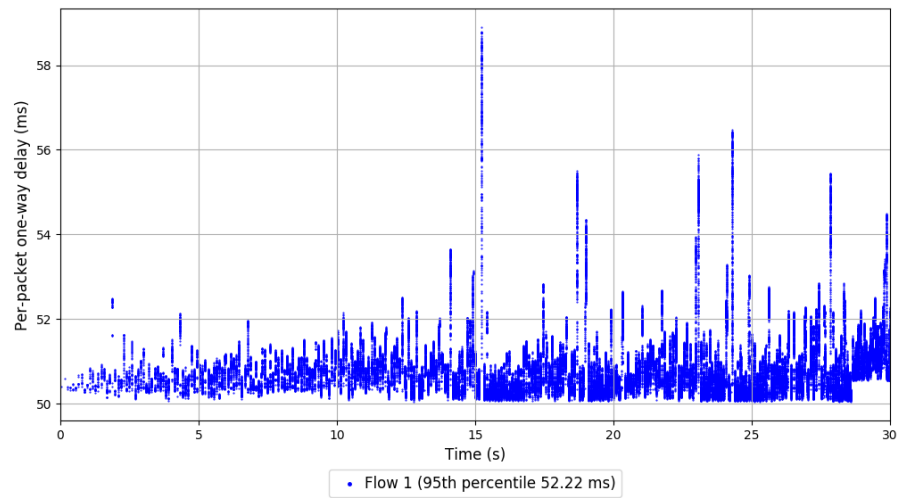
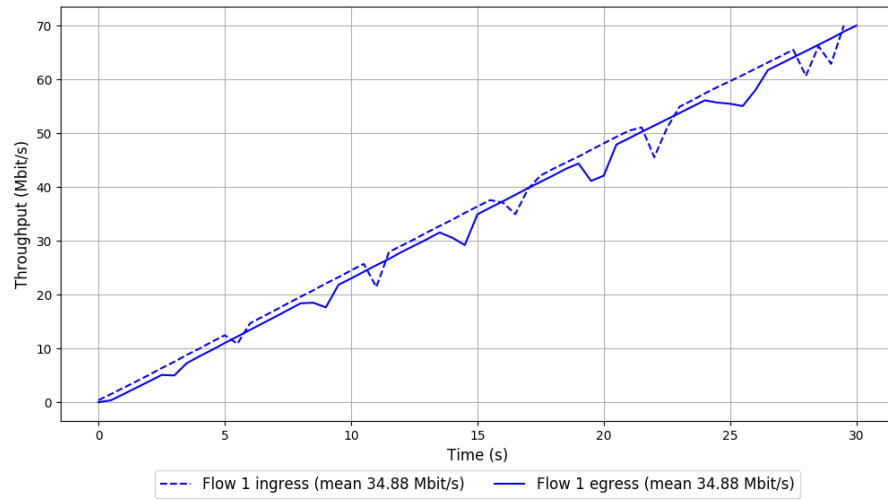


Run 8: Statistics of LEDBAT

Start at: 2018-07-01 13:49:02
End at: 2018-07-01 13:49:32
Local clock offset: 0.06 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-07-01 15:41:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.88 Mbit/s
95th percentile per-packet one-way delay: 52.217 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.88 Mbit/s
95th percentile per-packet one-way delay: 52.217 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

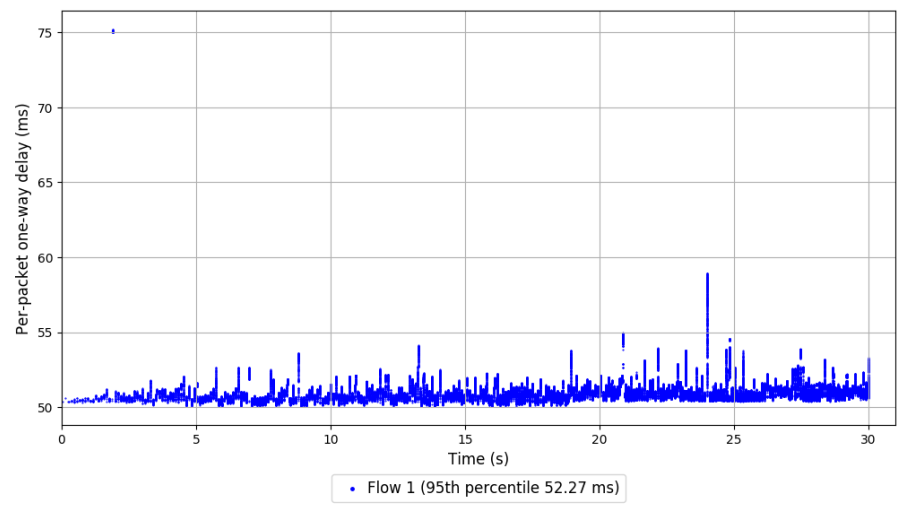
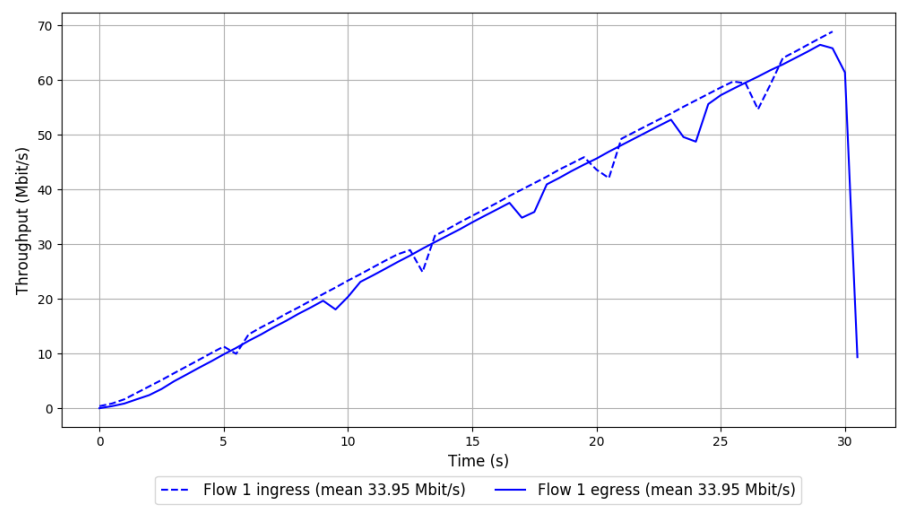


Run 9: Statistics of LEDBAT

Start at: 2018-07-01 14:10:31
End at: 2018-07-01 14:11:01
Local clock offset: 0.101 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-07-01 15:41:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.95 Mbit/s
95th percentile per-packet one-way delay: 52.267 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 33.95 Mbit/s
95th percentile per-packet one-way delay: 52.267 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

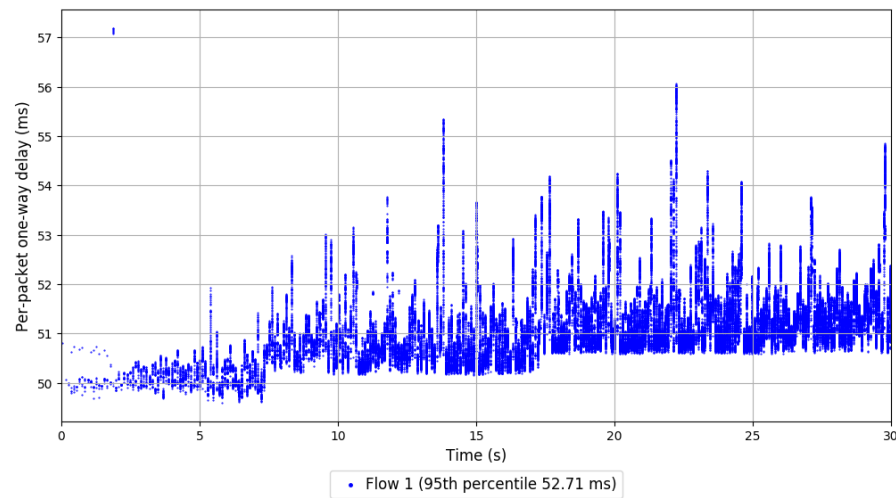
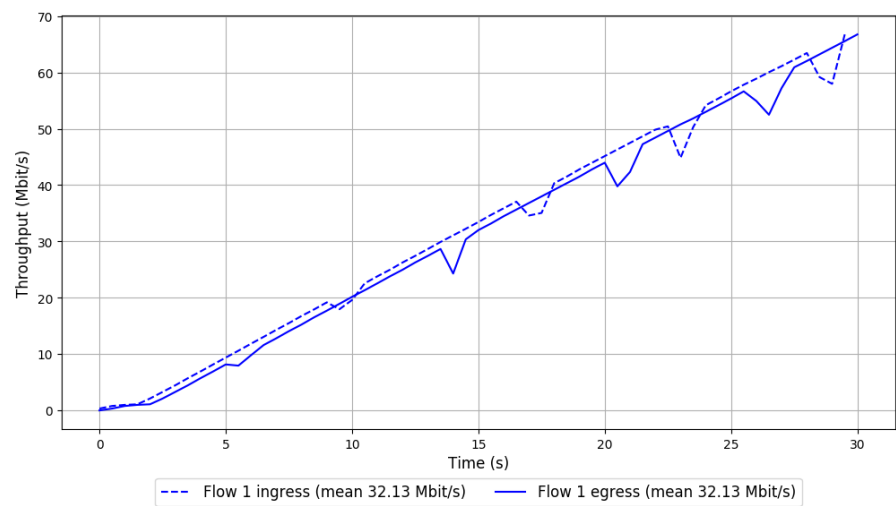


Run 10: Statistics of LEDBAT

Start at: 2018-07-01 14:32:03
End at: 2018-07-01 14:32:33
Local clock offset: 0.042 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-07-01 15:41:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.13 Mbit/s
95th percentile per-packet one-way delay: 52.714 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.13 Mbit/s
95th percentile per-packet one-way delay: 52.714 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-01 11:24:12

End at: 2018-07-01 11:24:42

Local clock offset: 0.033 ms

Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-01 15:42:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 536.13 Mbit/s

95th percentile per-packet one-way delay: 173.735 ms

Loss rate: 0.96%

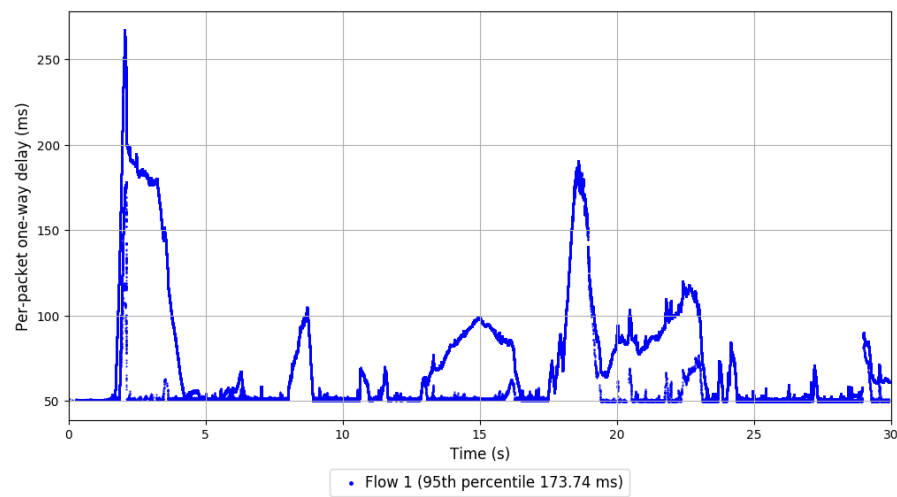
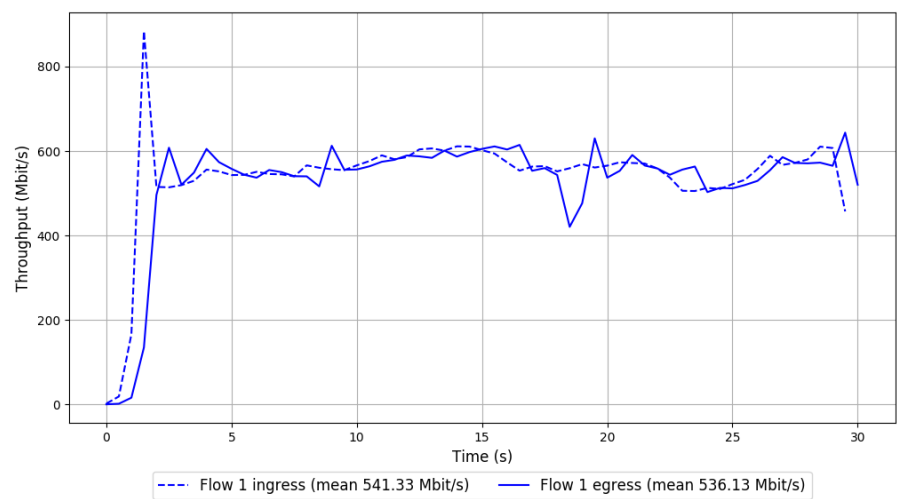
-- Flow 1:

Average throughput: 536.13 Mbit/s

95th percentile per-packet one-way delay: 173.735 ms

Loss rate: 0.96%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-01 11:45:53

End at: 2018-07-01 11:46:23

Local clock offset: 0.075 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-07-01 15:42:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 557.41 Mbit/s

95th percentile per-packet one-way delay: 112.027 ms

Loss rate: 0.36%

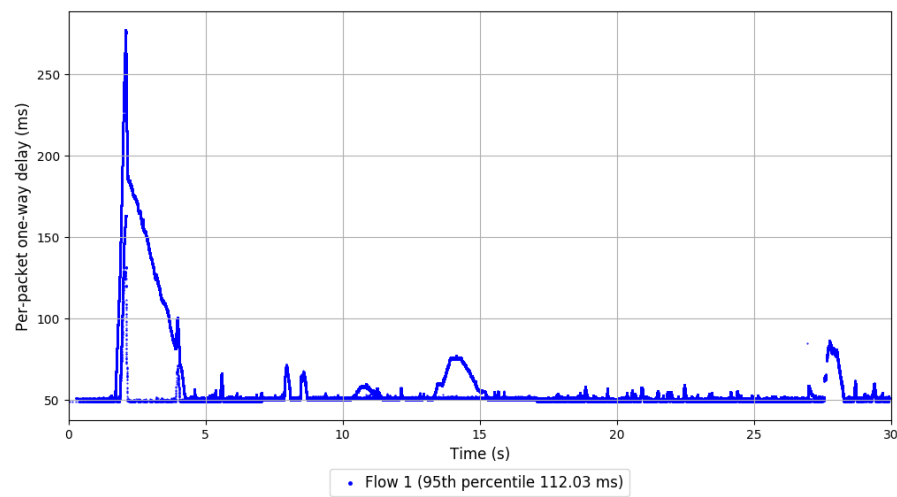
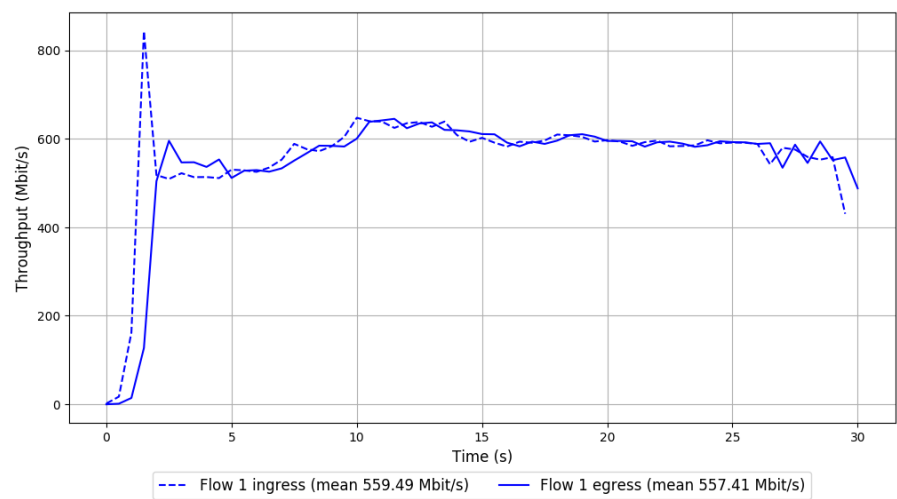
-- Flow 1:

Average throughput: 557.41 Mbit/s

95th percentile per-packet one-way delay: 112.027 ms

Loss rate: 0.36%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-01 12:07:32

End at: 2018-07-01 12:08:02

Local clock offset: 0.053 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-07-01 15:43:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 547.76 Mbit/s

95th percentile per-packet one-way delay: 192.864 ms

Loss rate: 1.04%

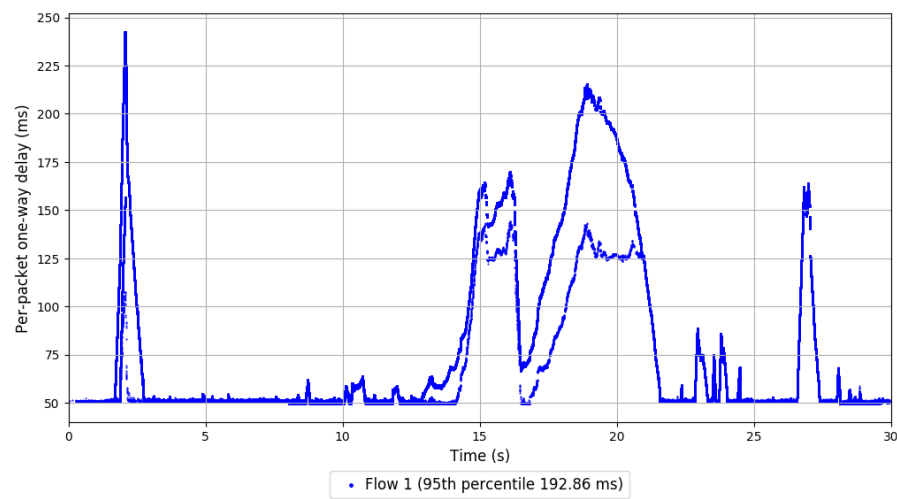
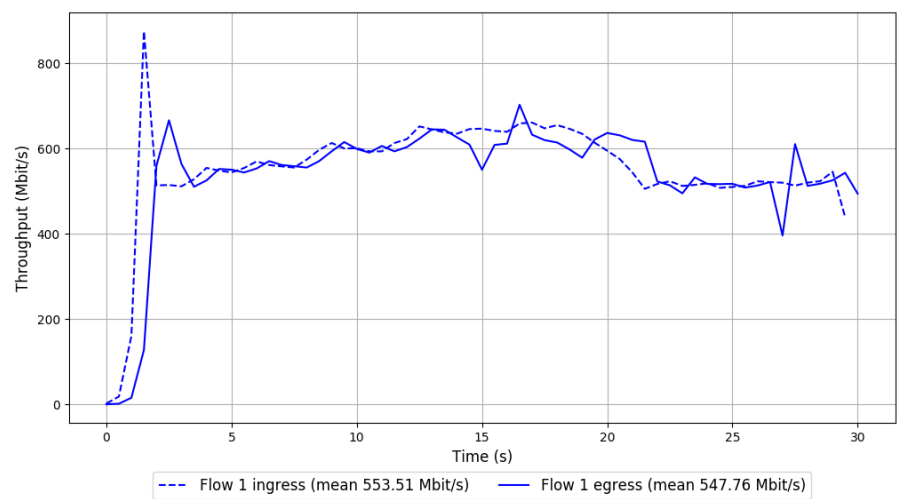
-- Flow 1:

Average throughput: 547.76 Mbit/s

95th percentile per-packet one-way delay: 192.864 ms

Loss rate: 1.04%

Run 3: Report of PCC-Allegro — Data Link

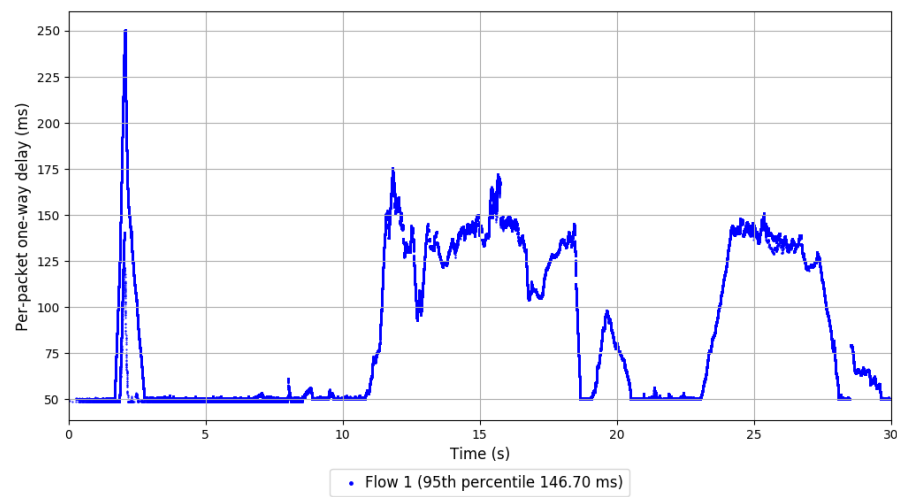
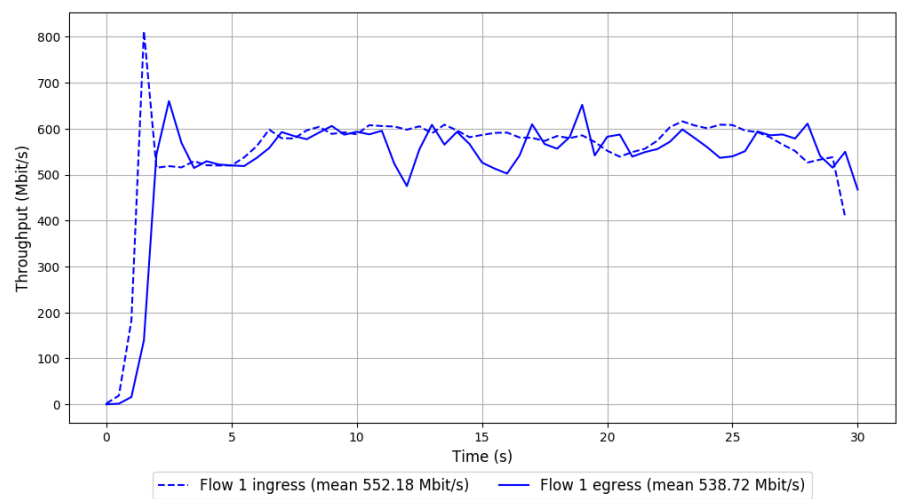


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-01 12:29:01
End at: 2018-07-01 12:29:31
Local clock offset: 0.056 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-01 15:43:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 538.72 Mbit/s
95th percentile per-packet one-way delay: 146.701 ms
Loss rate: 2.43%
-- Flow 1:
Average throughput: 538.72 Mbit/s
95th percentile per-packet one-way delay: 146.701 ms
Loss rate: 2.43%

Run 4: Report of PCC-Allegro — Data Link

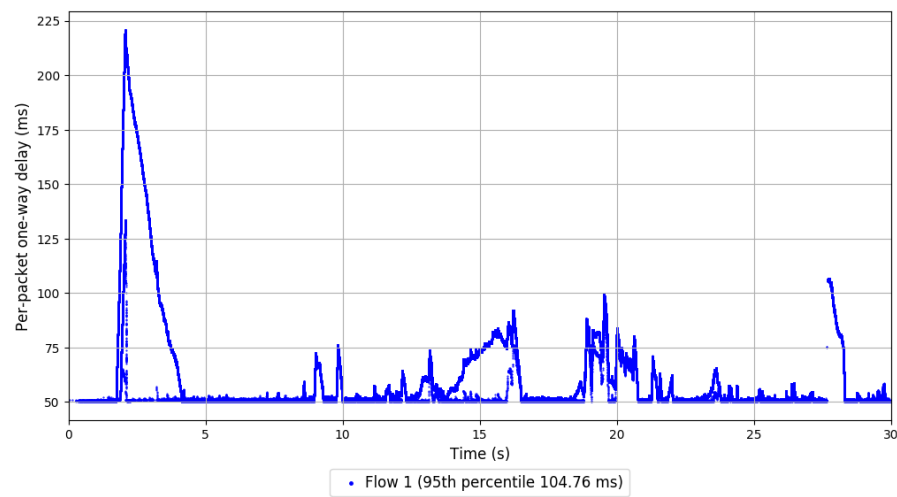
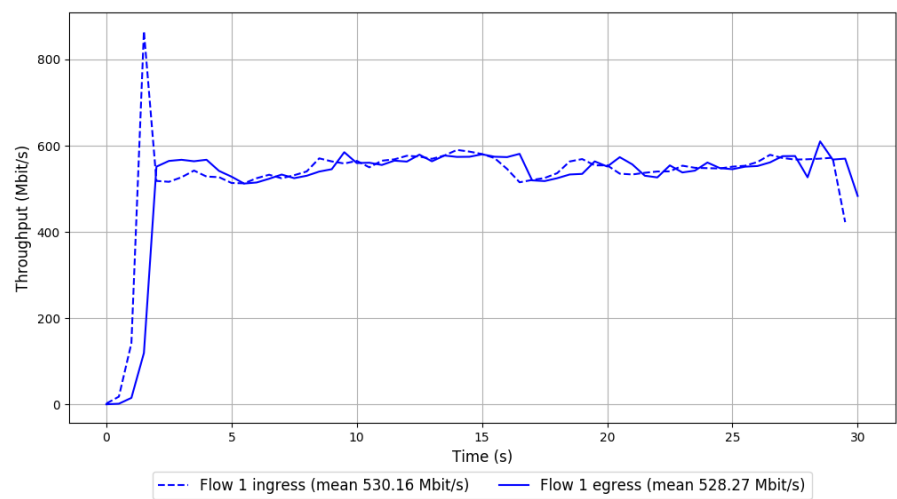


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-01 12:50:41
End at: 2018-07-01 12:51:11
Local clock offset: 0.061 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-01 15:43:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 528.27 Mbit/s
95th percentile per-packet one-way delay: 104.763 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 528.27 Mbit/s
95th percentile per-packet one-way delay: 104.763 ms
Loss rate: 0.36%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-01 13:12:16

End at: 2018-07-01 13:12:46

Local clock offset: 0.066 ms

Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-07-01 15:43:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 543.59 Mbit/s

95th percentile per-packet one-way delay: 129.205 ms

Loss rate: 0.39%

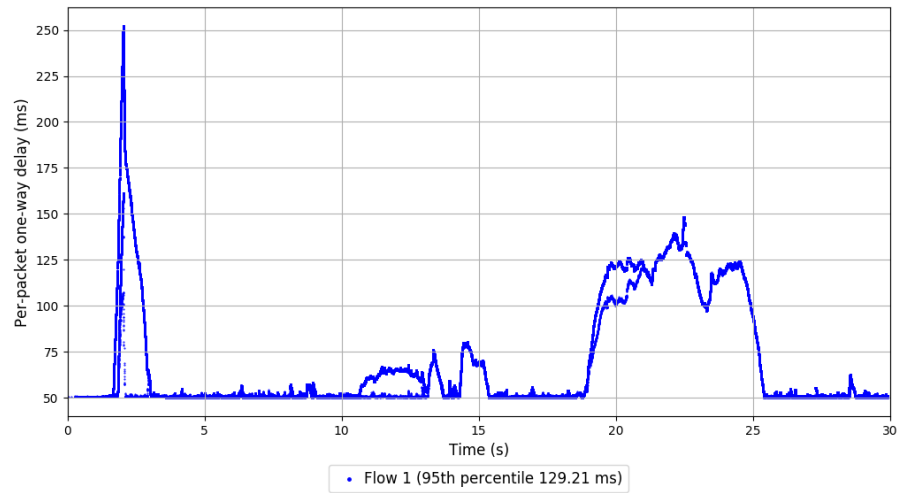
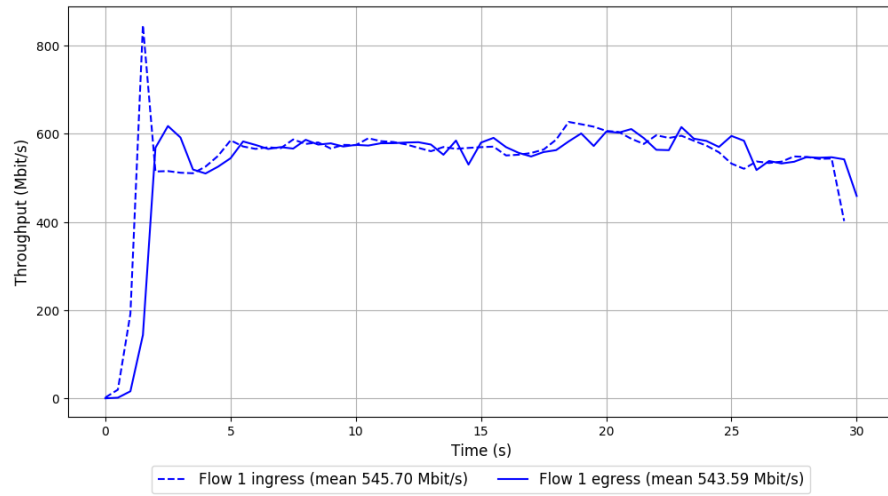
-- Flow 1:

Average throughput: 543.59 Mbit/s

95th percentile per-packet one-way delay: 129.205 ms

Loss rate: 0.39%

Run 6: Report of PCC-Allegro — Data Link

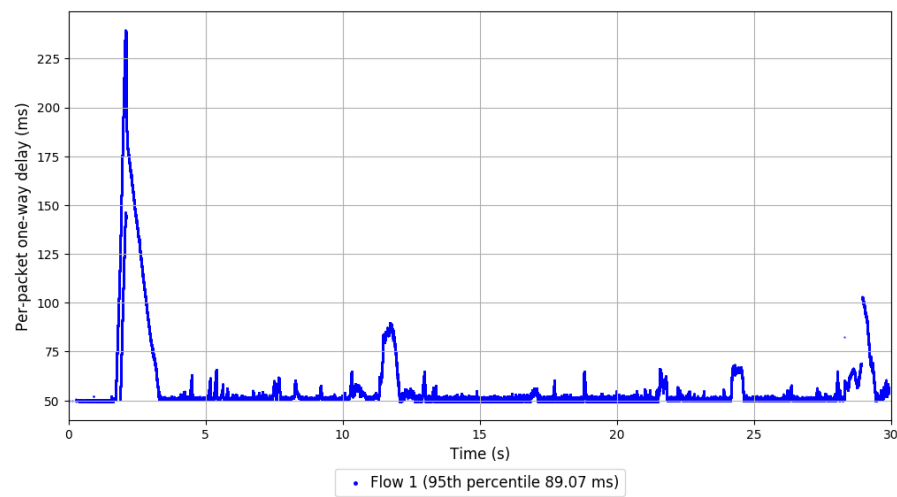
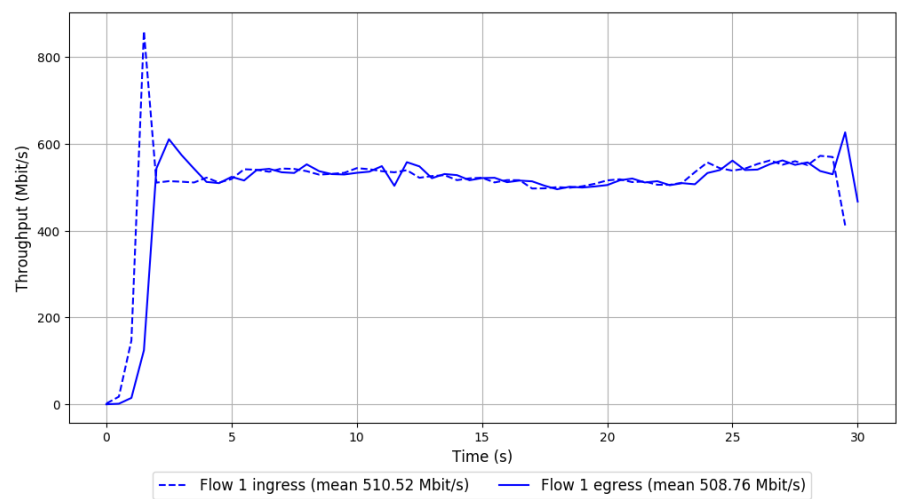


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-01 13:33:48
End at: 2018-07-01 13:34:18
Local clock offset: -0.321 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-01 15:43:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 508.76 Mbit/s
95th percentile per-packet one-way delay: 89.066 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 508.76 Mbit/s
95th percentile per-packet one-way delay: 89.066 ms
Loss rate: 0.34%

Run 7: Report of PCC-Allegro — Data Link

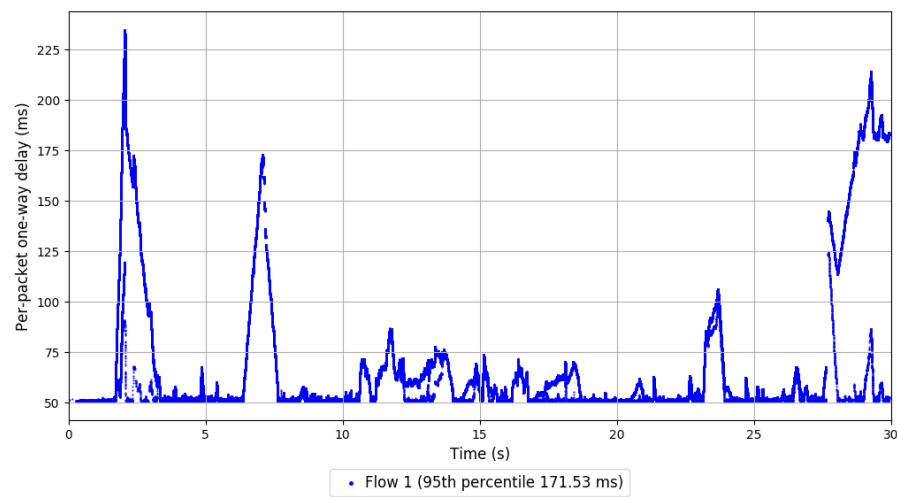
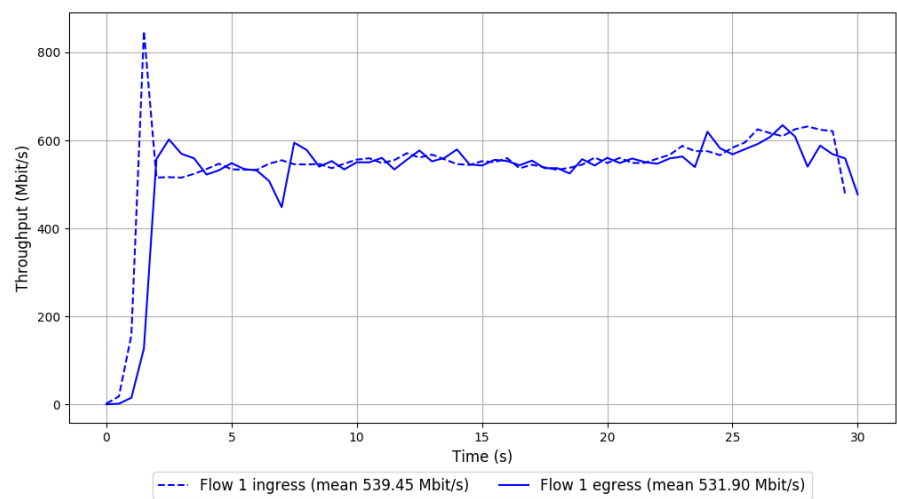


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-01 13:55:20
End at: 2018-07-01 13:55:50
Local clock offset: -0.339 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-01 15:50:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 531.90 Mbit/s
95th percentile per-packet one-way delay: 171.535 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 531.90 Mbit/s
95th percentile per-packet one-way delay: 171.535 ms
Loss rate: 1.40%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-01 14:16:48

End at: 2018-07-01 14:17:18

Local clock offset: 0.067 ms

Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-01 15:50:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 492.93 Mbit/s

95th percentile per-packet one-way delay: 133.439 ms

Loss rate: 0.66%

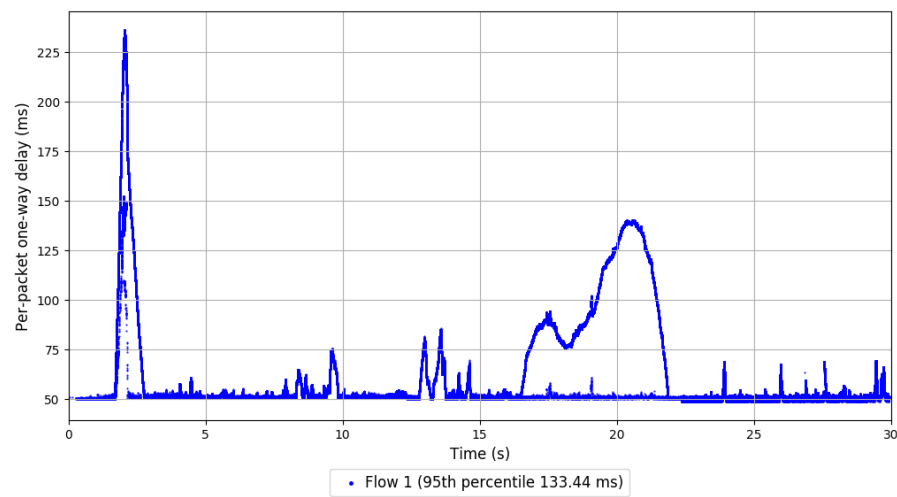
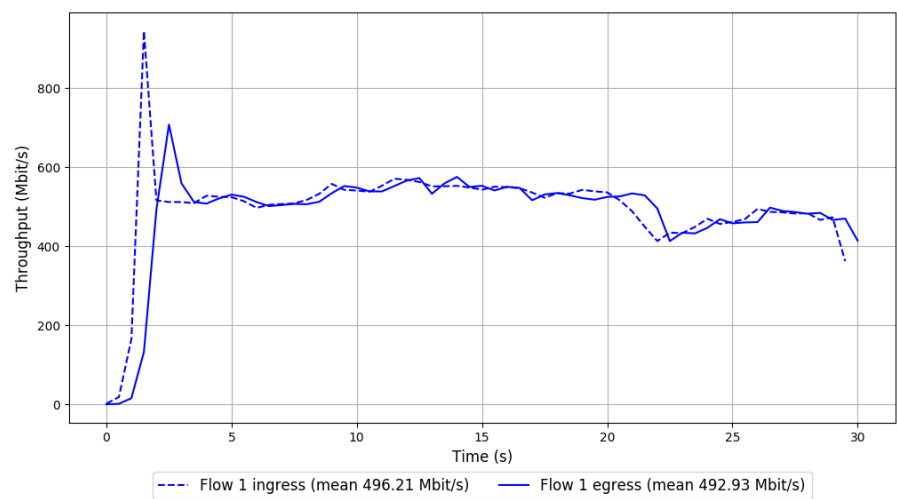
-- Flow 1:

Average throughput: 492.93 Mbit/s

95th percentile per-packet one-way delay: 133.439 ms

Loss rate: 0.66%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-01 14:38:25

End at: 2018-07-01 14:38:55

Local clock offset: -0.336 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-07-01 15:50:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 423.42 Mbit/s

95th percentile per-packet one-way delay: 114.256 ms

Loss rate: 0.23%

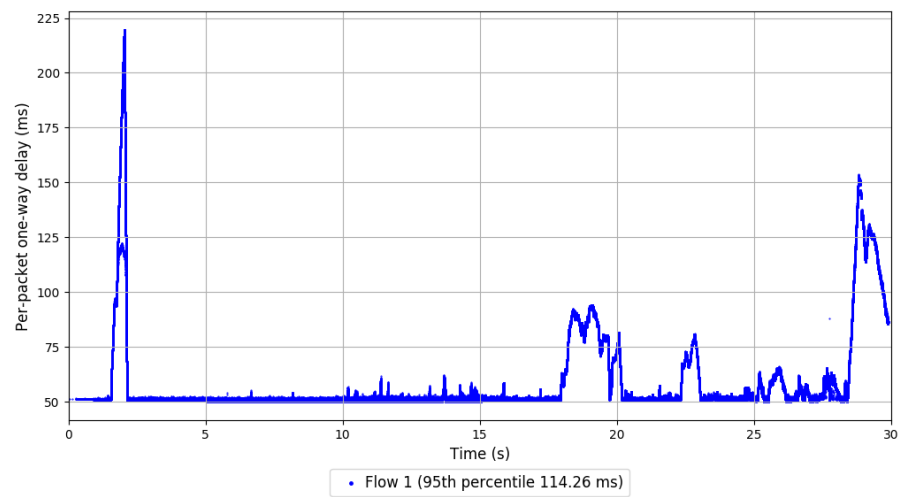
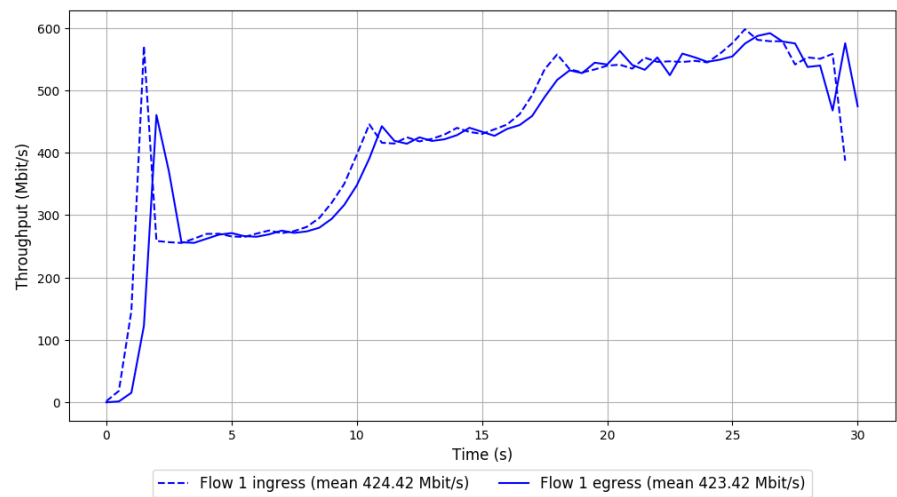
-- Flow 1:

Average throughput: 423.42 Mbit/s

95th percentile per-packet one-way delay: 114.256 ms

Loss rate: 0.23%

Run 10: Report of PCC-Allegro — Data Link

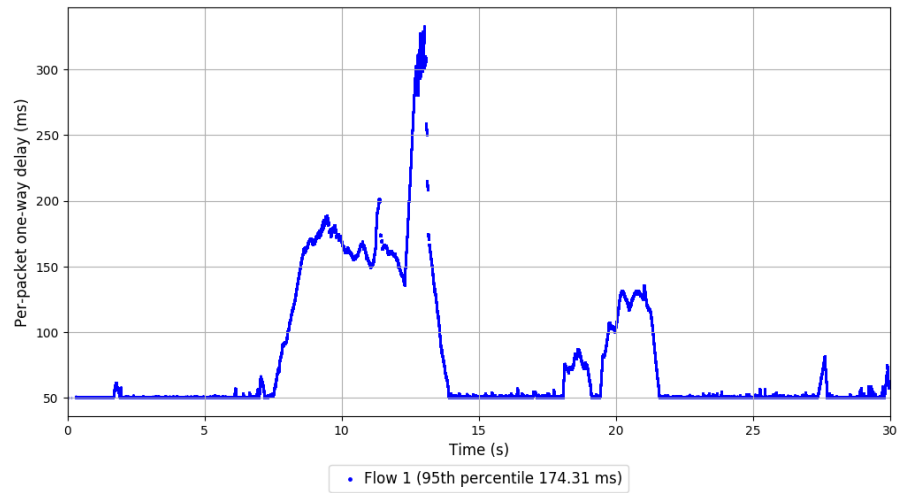
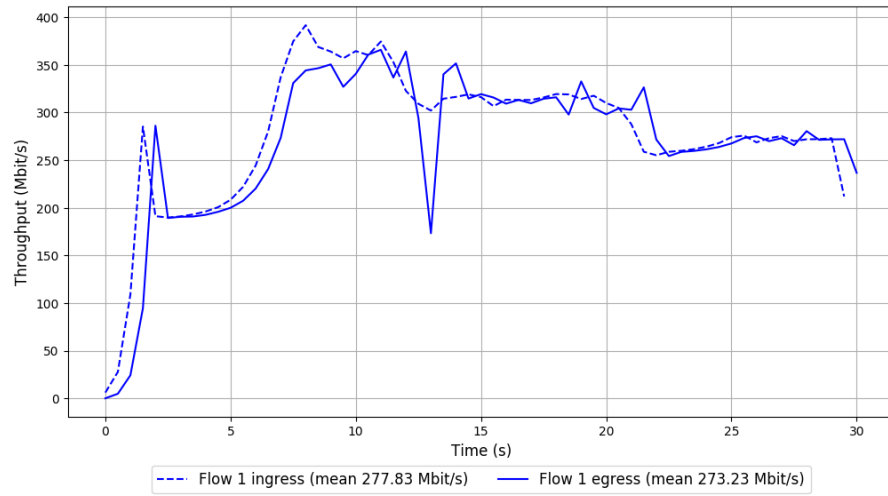


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-01 11:22:43
End at: 2018-07-01 11:23:13
Local clock offset: 0.019 ms
Remote clock offset: 0.058 ms

# Below is generated by plot.py at 2018-07-01 15:51:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 273.23 Mbit/s
95th percentile per-packet one-way delay: 174.305 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 273.23 Mbit/s
95th percentile per-packet one-way delay: 174.305 ms
Loss rate: 1.65%
```

Run 1: Report of PCC-Expr — Data Link

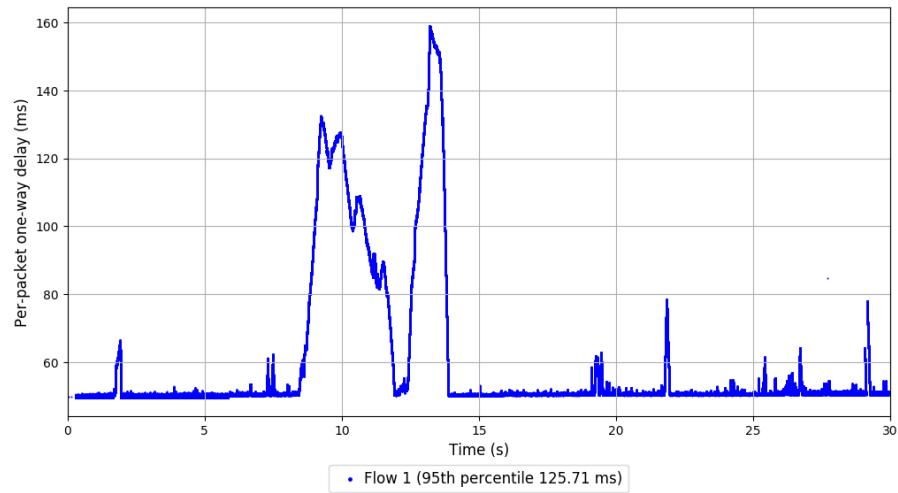
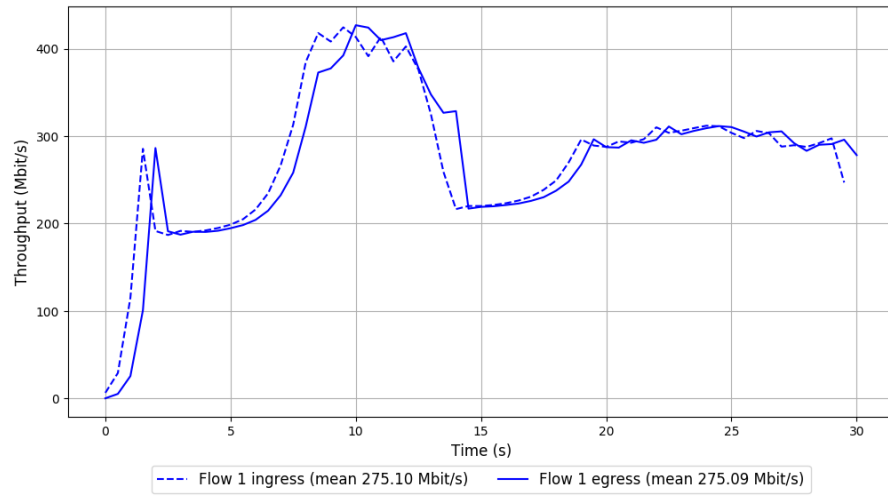


```
Run 2: Statistics of PCC-Expr

Start at: 2018-07-01 11:44:24
End at: 2018-07-01 11:44:54
Local clock offset: 0.091 ms
Remote clock offset: 0.0 ms

# Below is generated by plot.py at 2018-07-01 15:51:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 275.09 Mbit/s
95th percentile per-packet one-way delay: 125.706 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 275.09 Mbit/s
95th percentile per-packet one-way delay: 125.706 ms
Loss rate: 0.00%
```

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-01 12:06:01

End at: 2018-07-01 12:06:31

Local clock offset: -0.284 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-01 15:52:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 298.83 Mbit/s

95th percentile per-packet one-way delay: 171.005 ms

Loss rate: 1.93%

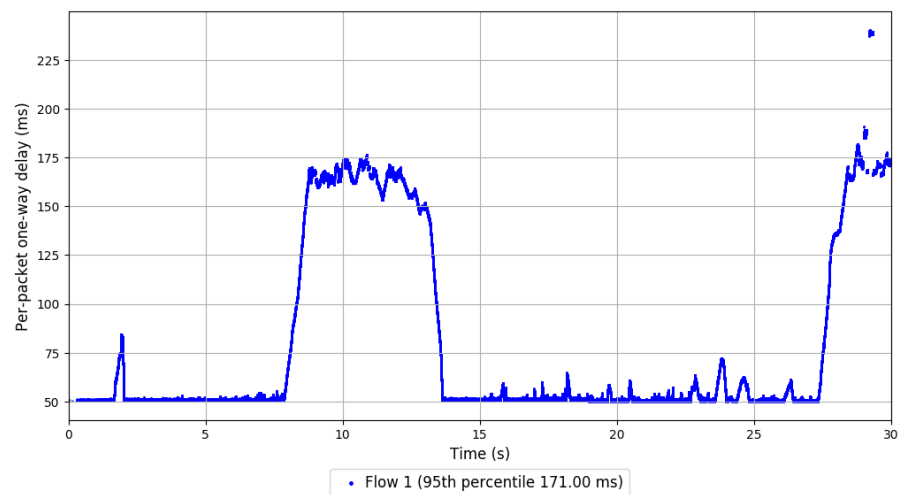
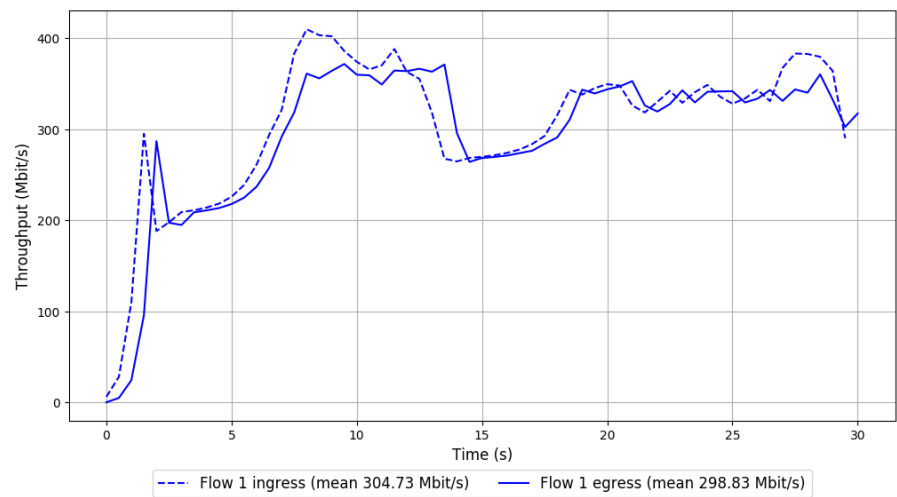
-- Flow 1:

Average throughput: 298.83 Mbit/s

95th percentile per-packet one-way delay: 171.005 ms

Loss rate: 1.93%

Run 3: Report of PCC-Expr — Data Link

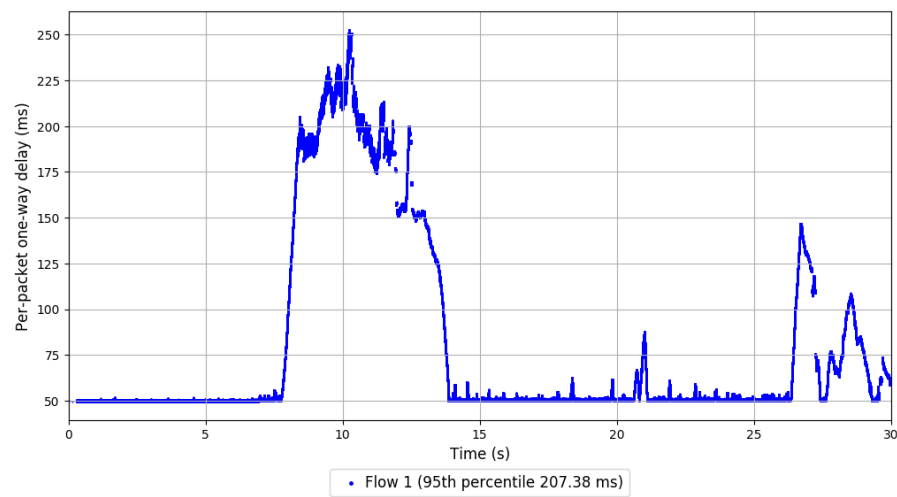
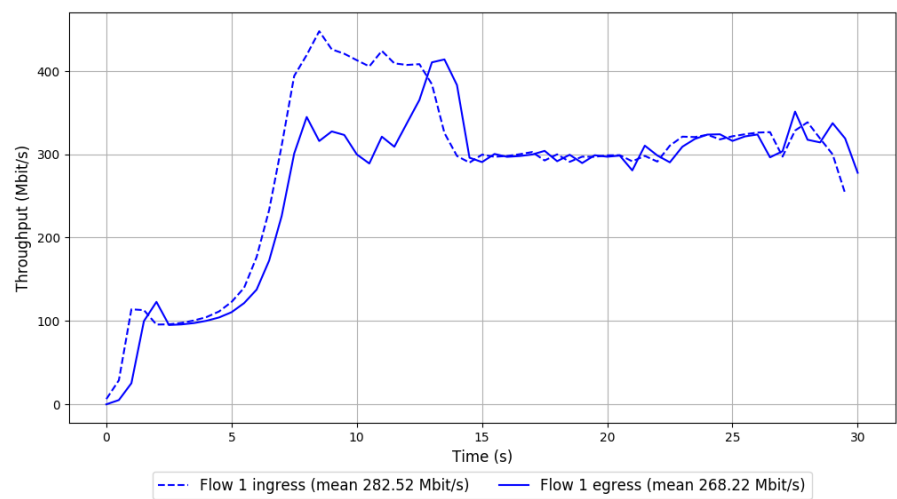


Run 4: Statistics of PCC-Expr

Start at: 2018-07-01 12:27:33
End at: 2018-07-01 12:28:03
Local clock offset: 0.022 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-01 15:52:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 268.22 Mbit/s
95th percentile per-packet one-way delay: 207.378 ms
Loss rate: 5.06%
-- Flow 1:
Average throughput: 268.22 Mbit/s
95th percentile per-packet one-way delay: 207.378 ms
Loss rate: 5.06%

Run 4: Report of PCC-Expr — Data Link

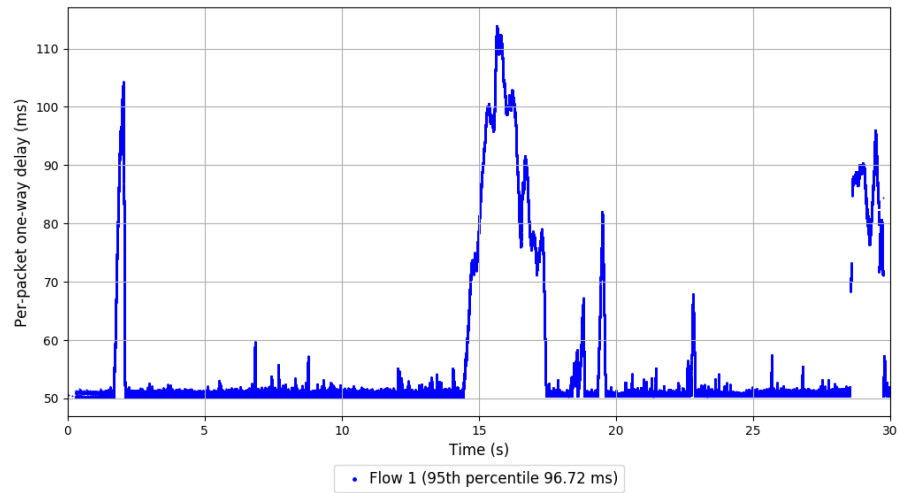
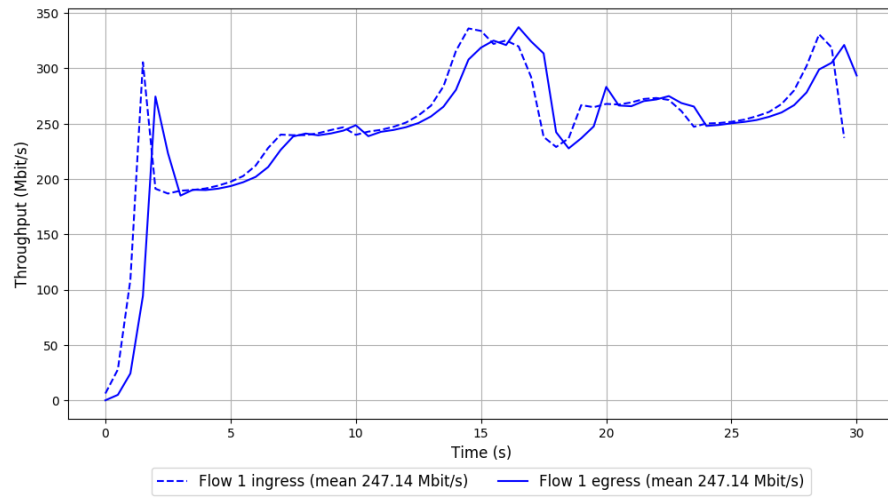


Run 5: Statistics of PCC-Expr

Start at: 2018-07-01 12:49:15
End at: 2018-07-01 12:49:45
Local clock offset: 0.072 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-01 15:52:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 247.14 Mbit/s
95th percentile per-packet one-way delay: 96.717 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 247.14 Mbit/s
95th percentile per-packet one-way delay: 96.717 ms
Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link

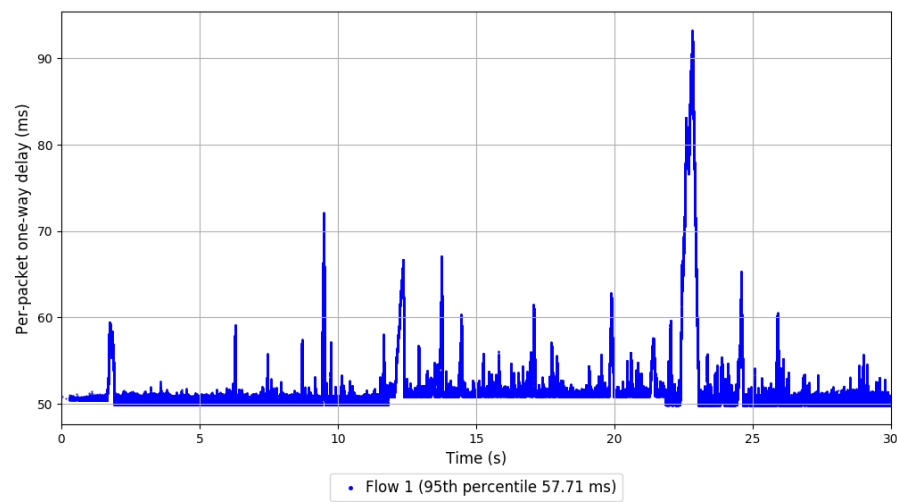
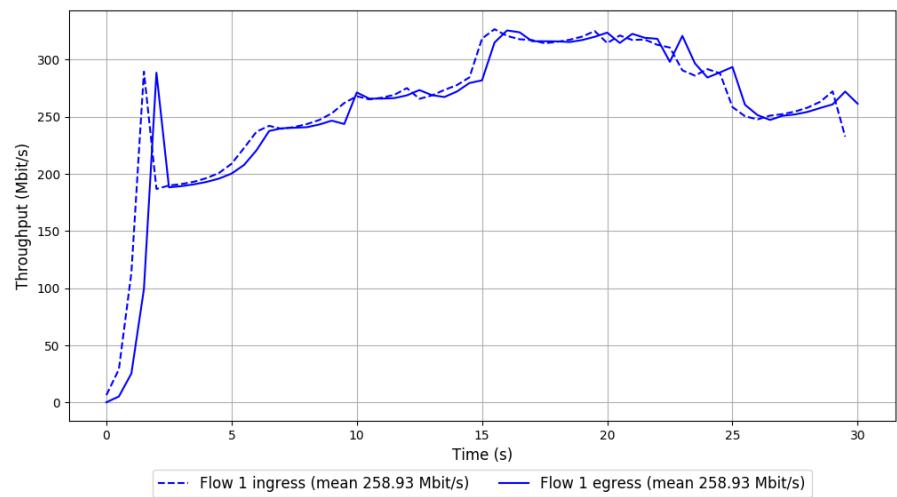


Run 6: Statistics of PCC-Expr

Start at: 2018-07-01 13:10:48
End at: 2018-07-01 13:11:18
Local clock offset: -0.298 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-07-01 15:57:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 258.93 Mbit/s
95th percentile per-packet one-way delay: 57.712 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 258.93 Mbit/s
95th percentile per-packet one-way delay: 57.712 ms
Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-01 13:32:22

End at: 2018-07-01 13:32:52

Local clock offset: 0.046 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-01 15:57:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 258.08 Mbit/s

95th percentile per-packet one-way delay: 85.024 ms

Loss rate: 0.00%

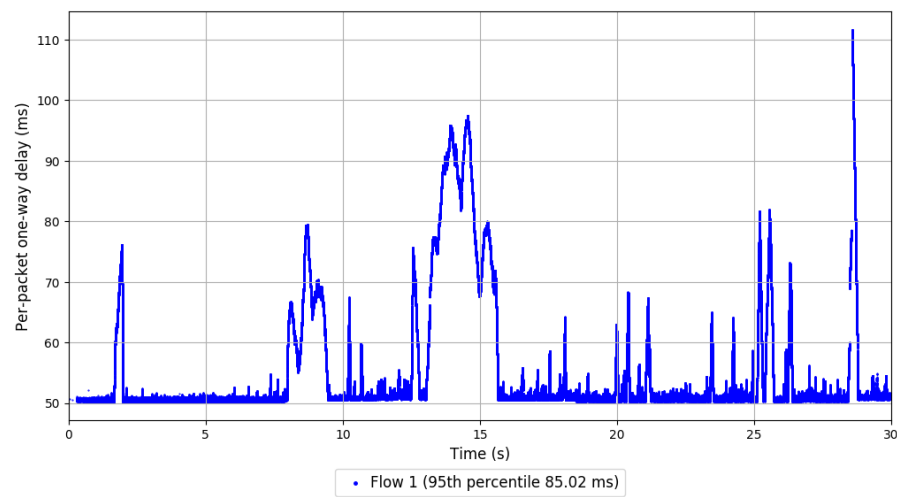
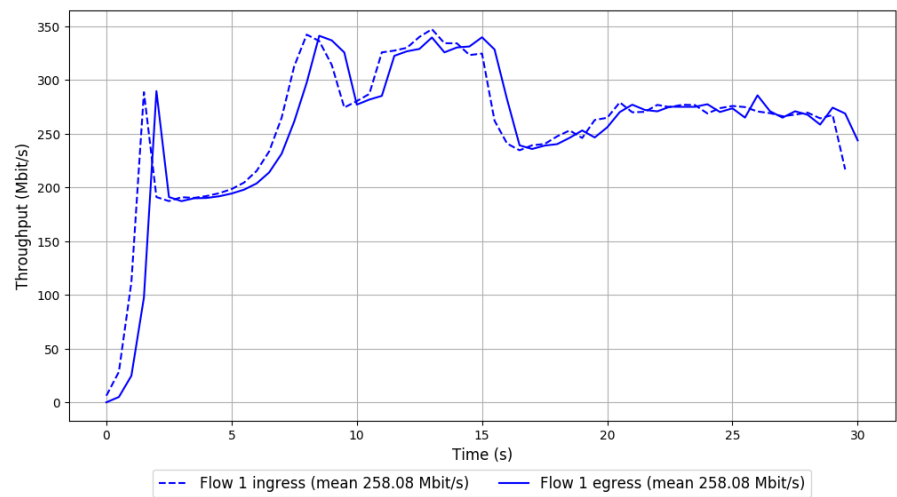
-- Flow 1:

Average throughput: 258.08 Mbit/s

95th percentile per-packet one-way delay: 85.024 ms

Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link

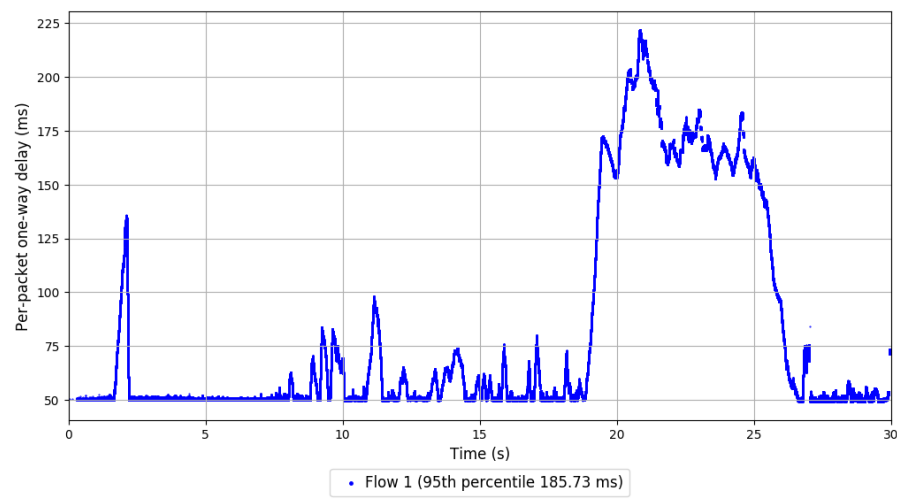
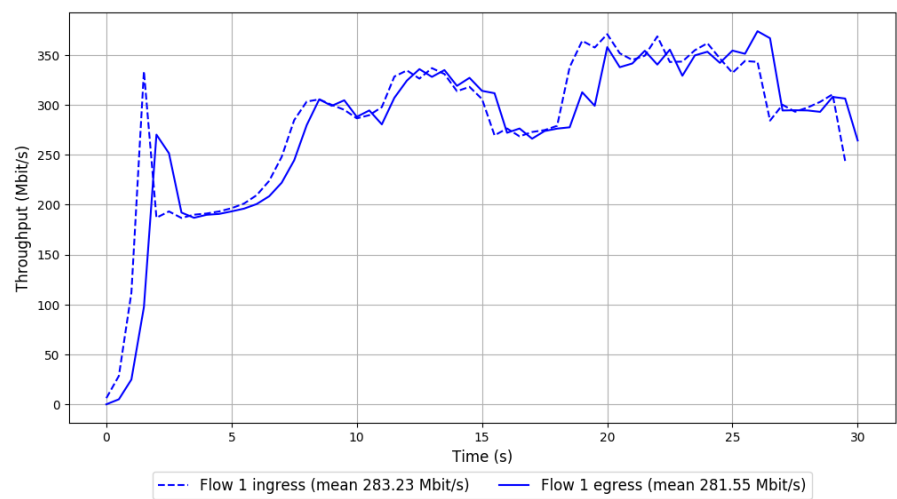


Run 8: Statistics of PCC-Expr

Start at: 2018-07-01 13:53:50
End at: 2018-07-01 13:54:20
Local clock offset: 0.423 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-01 15:59:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 281.55 Mbit/s
95th percentile per-packet one-way delay: 185.730 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 281.55 Mbit/s
95th percentile per-packet one-way delay: 185.730 ms
Loss rate: 0.59%

Run 8: Report of PCC-Expr — Data Link

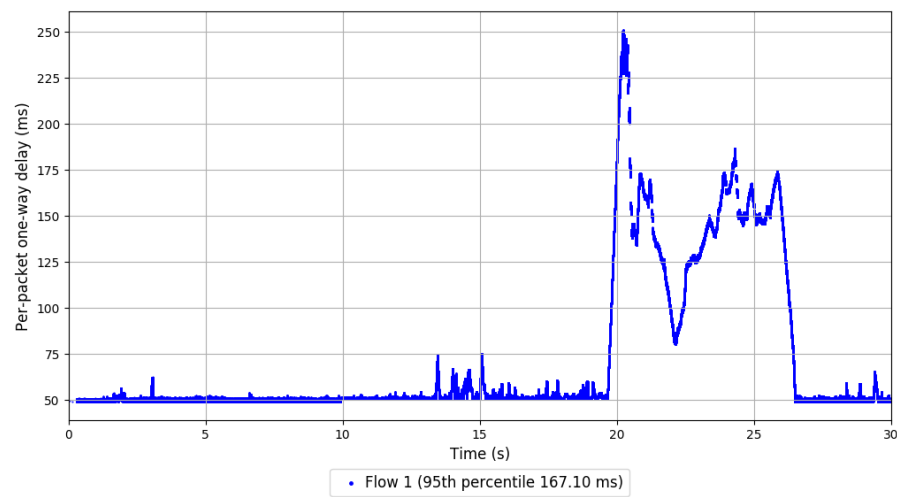
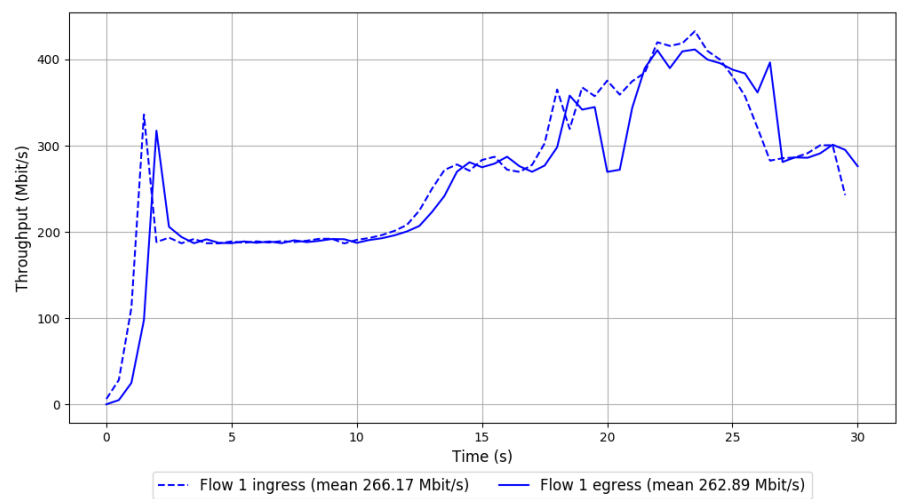


Run 9: Statistics of PCC-Expr

Start at: 2018-07-01 14:15:20
End at: 2018-07-01 14:15:50
Local clock offset: 0.095 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-01 15:59:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 262.89 Mbit/s
95th percentile per-packet one-way delay: 167.096 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 262.89 Mbit/s
95th percentile per-packet one-way delay: 167.096 ms
Loss rate: 1.23%

Run 9: Report of PCC-Expr — Data Link

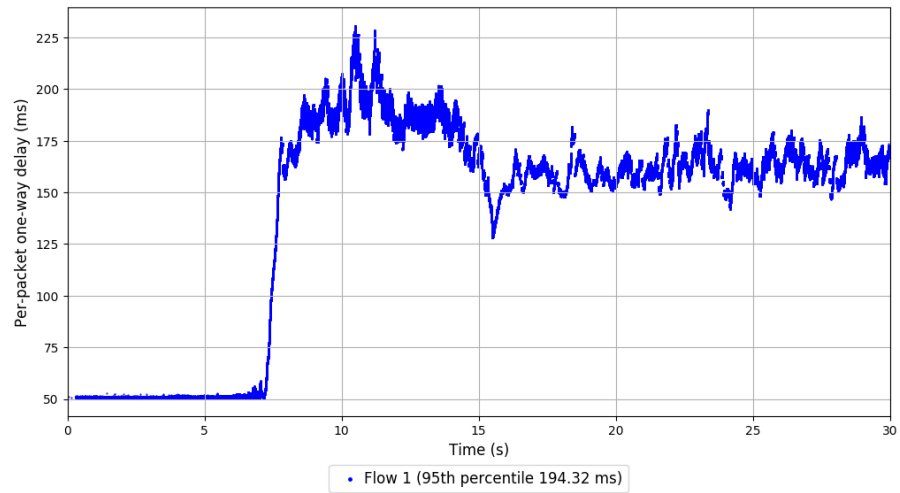
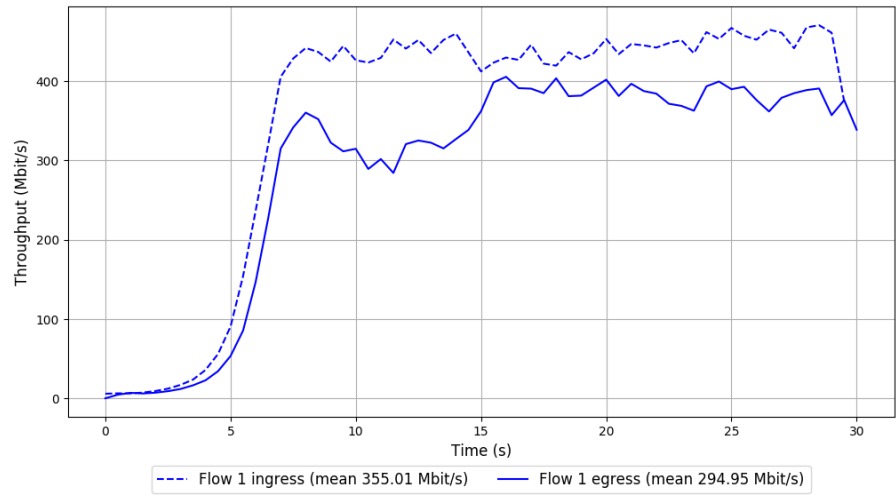


Run 10: Statistics of PCC-Expr

Start at: 2018-07-01 14:36:50
End at: 2018-07-01 14:37:20
Local clock offset: -0.328 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-07-01 16:00:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 294.95 Mbit/s
95th percentile per-packet one-way delay: 194.318 ms
Loss rate: 16.91%
-- Flow 1:
Average throughput: 294.95 Mbit/s
95th percentile per-packet one-way delay: 194.318 ms
Loss rate: 16.91%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-01 11:30:37

End at: 2018-07-01 11:31:07

Local clock offset: 0.05 ms

Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-01 16:00:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.67 Mbit/s

95th percentile per-packet one-way delay: 50.527 ms

Loss rate: 0.00%

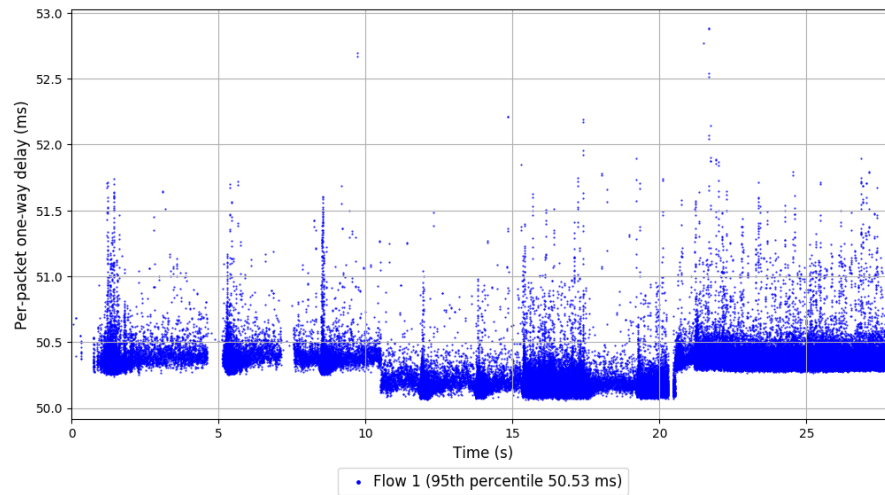
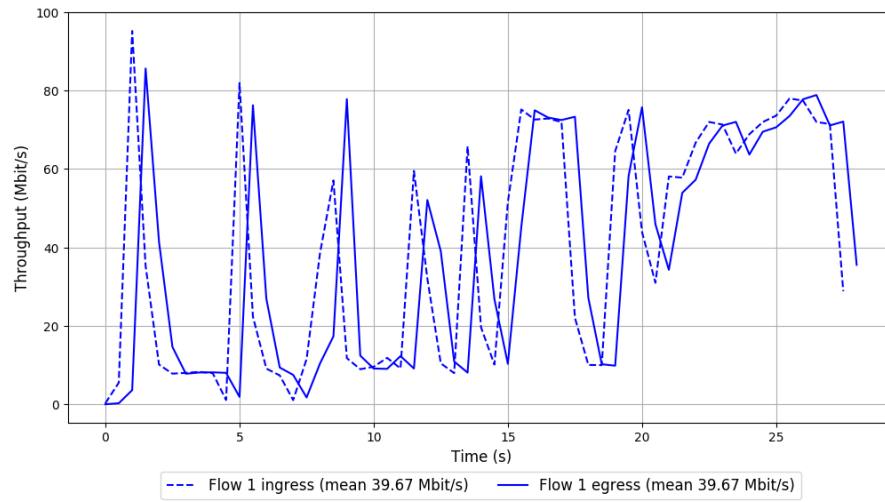
-- Flow 1:

Average throughput: 39.67 Mbit/s

95th percentile per-packet one-way delay: 50.527 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

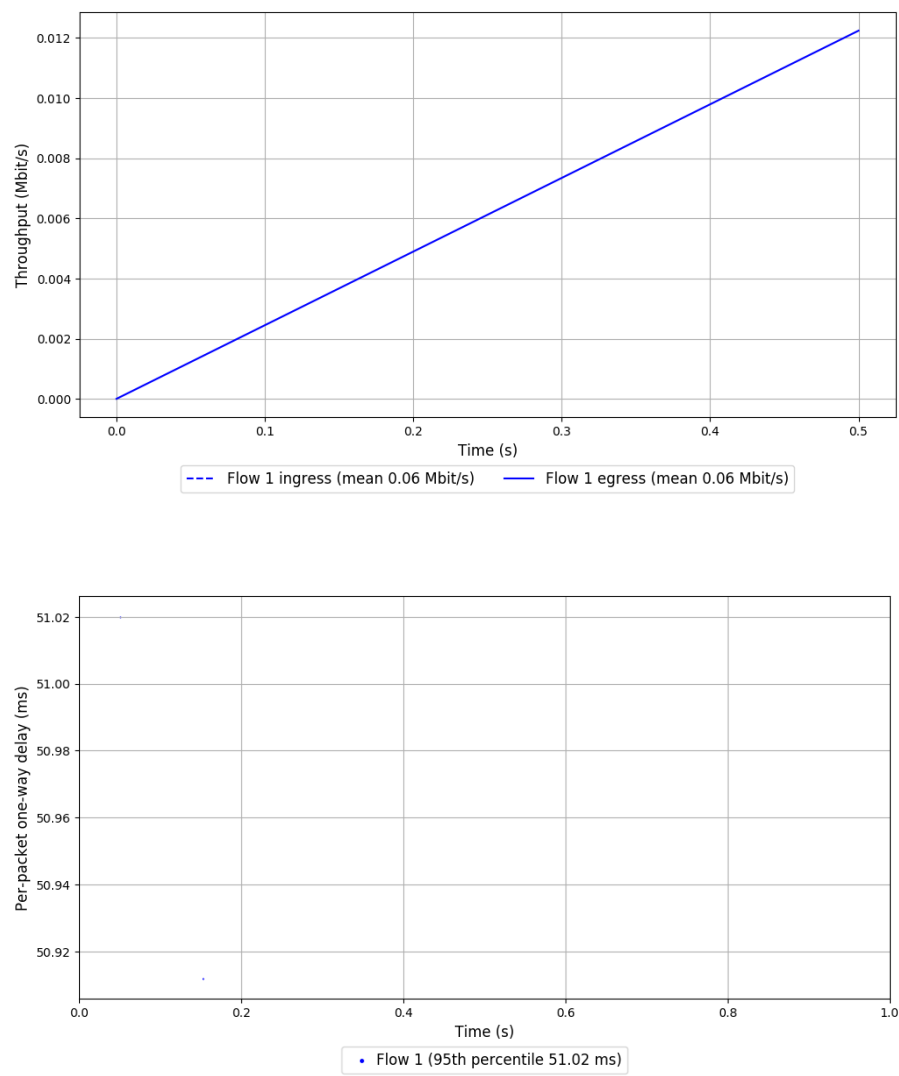
Start at: 2018-07-01 11:52:23

End at: 2018-07-01 11:52:53

Local clock offset: 0.068 ms

Remote clock offset: 0.024 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-01 12:13:48

End at: 2018-07-01 12:14:18

Local clock offset: 0.068 ms

Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-01 16:00:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.55 Mbit/s

95th percentile per-packet one-way delay: 50.674 ms

Loss rate: 0.00%

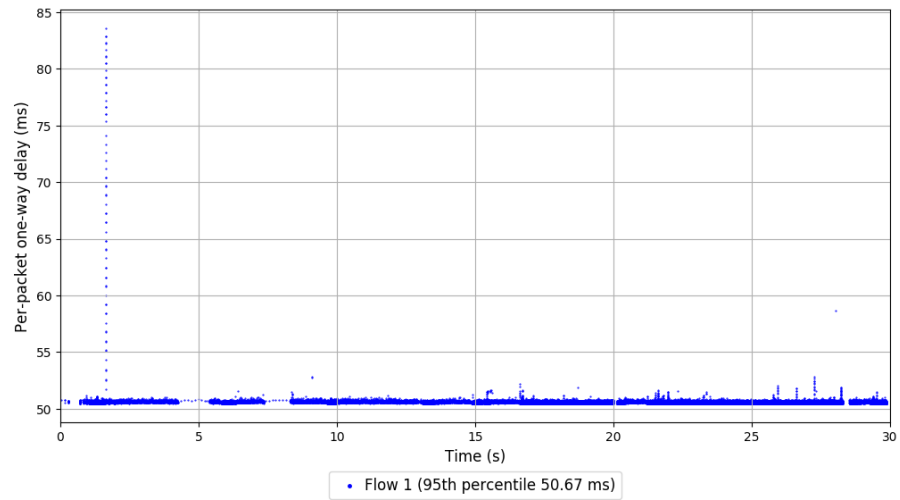
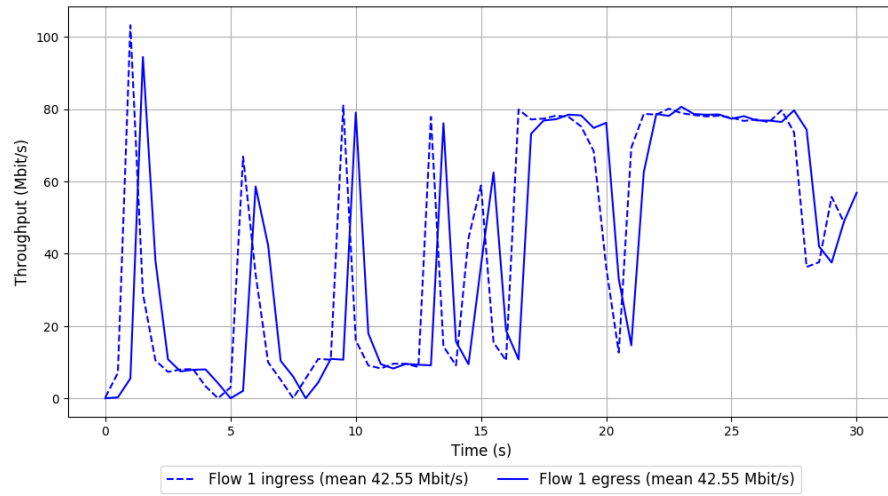
-- Flow 1:

Average throughput: 42.55 Mbit/s

95th percentile per-packet one-way delay: 50.674 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-01 12:35:29

End at: 2018-07-01 12:35:59

Local clock offset: 0.011 ms

Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-01 16:00:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.56 Mbit/s

95th percentile per-packet one-way delay: 50.644 ms

Loss rate: 0.00%

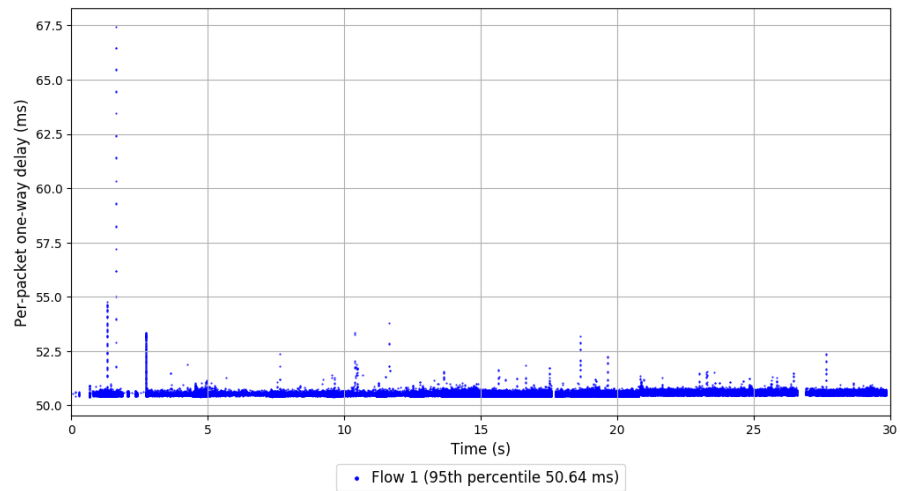
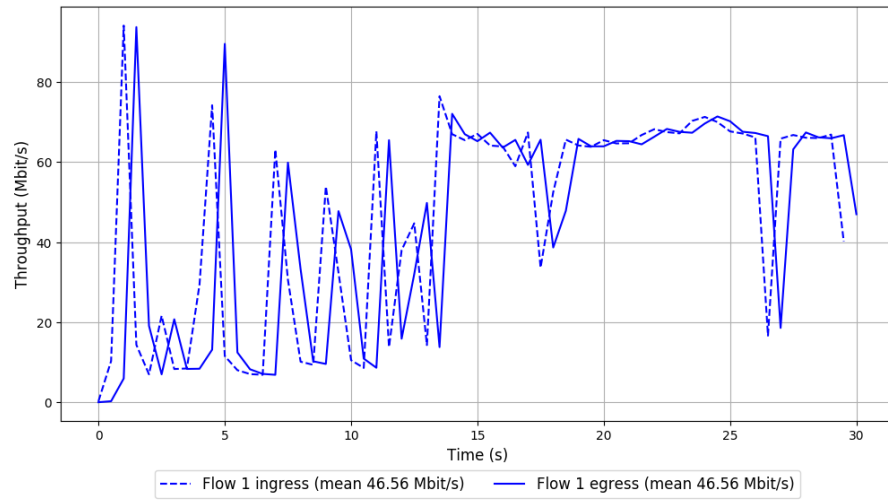
-- Flow 1:

Average throughput: 46.56 Mbit/s

95th percentile per-packet one-way delay: 50.644 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-01 12:57:09

End at: 2018-07-01 12:57:39

Local clock offset: 0.057 ms

Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-07-01 16:00:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.53 Mbit/s

95th percentile per-packet one-way delay: 50.625 ms

Loss rate: 0.00%

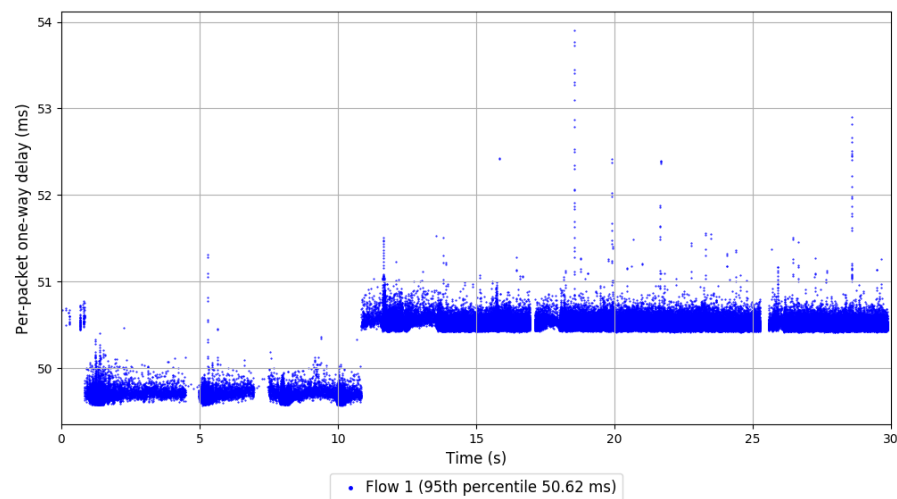
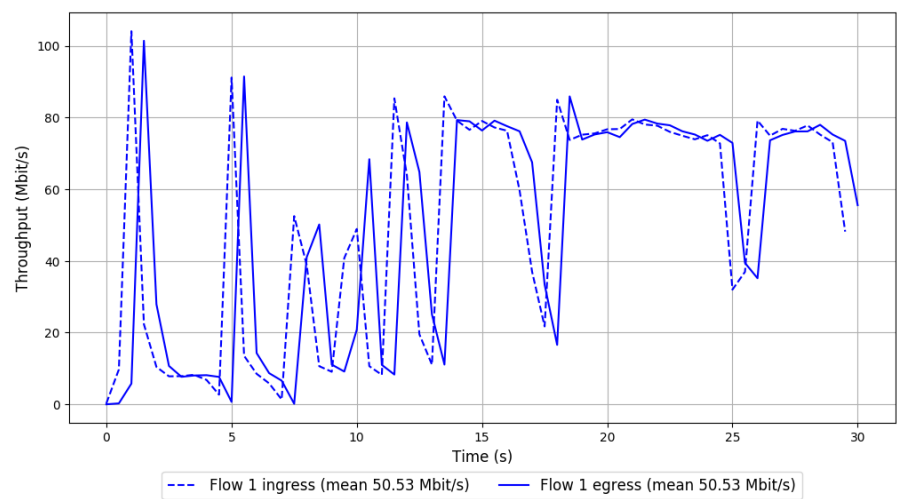
-- Flow 1:

Average throughput: 50.53 Mbit/s

95th percentile per-packet one-way delay: 50.625 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-01 13:18:44

End at: 2018-07-01 13:19:14

Local clock offset: -0.288 ms

Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-01 16:00:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.26 Mbit/s

95th percentile per-packet one-way delay: 50.823 ms

Loss rate: 0.00%

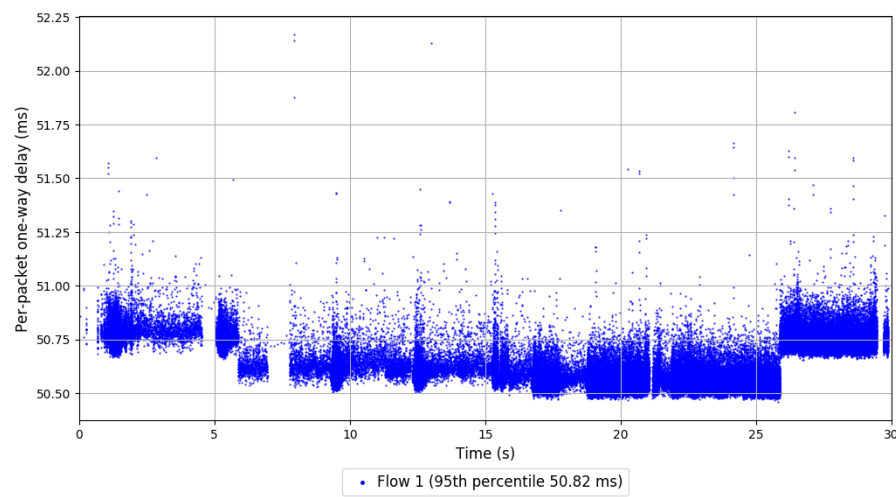
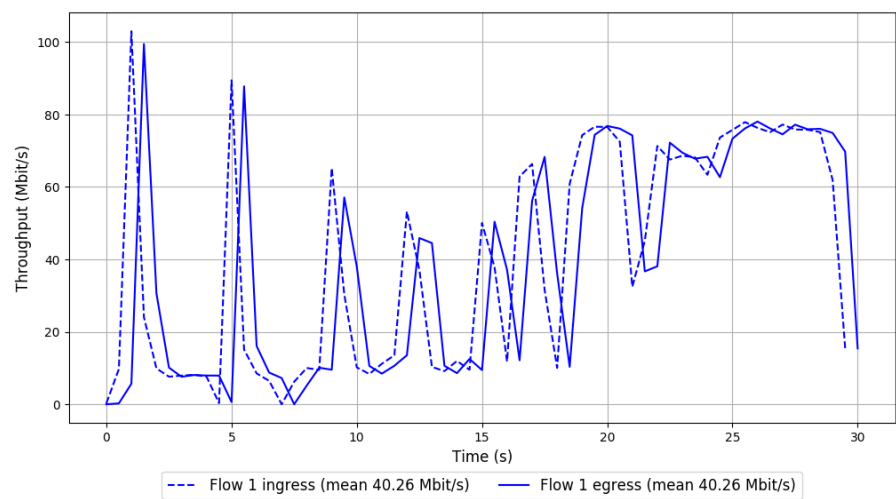
-- Flow 1:

Average throughput: 40.26 Mbit/s

95th percentile per-packet one-way delay: 50.823 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

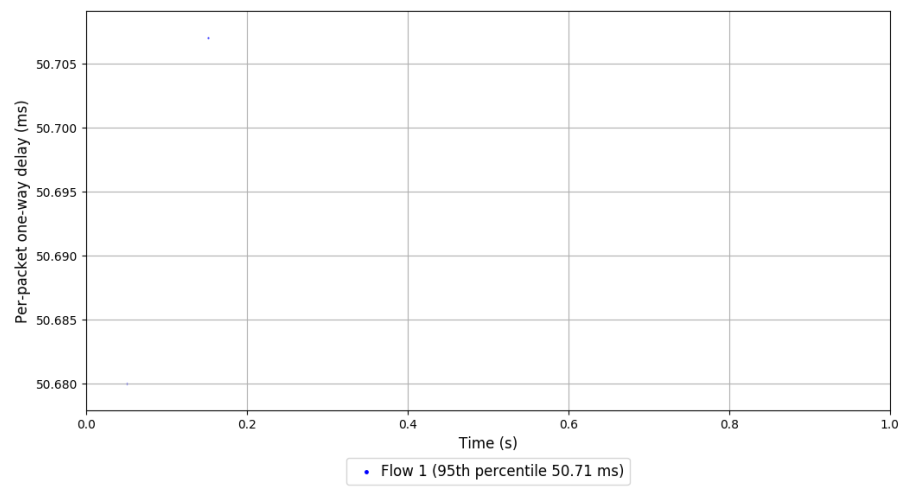
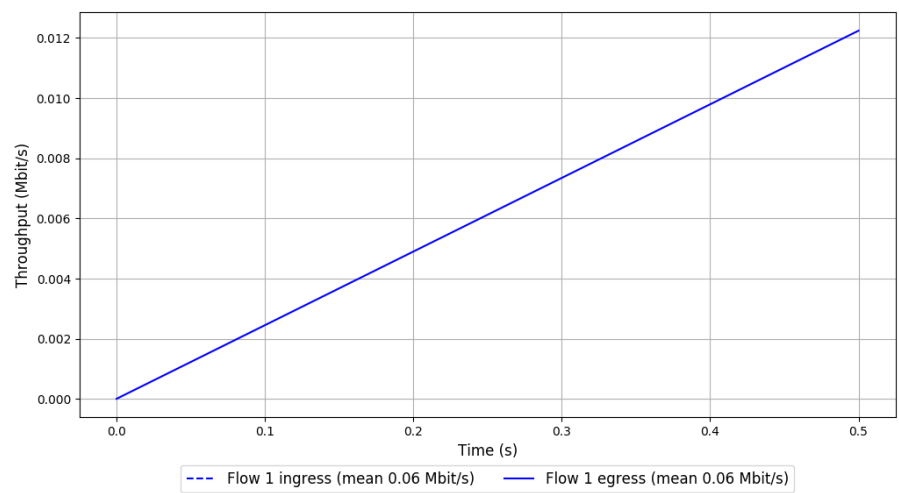
Start at: 2018-07-01 13:40:14

End at: 2018-07-01 13:40:44

Local clock offset: 0.048 ms

Remote clock offset: -0.052 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

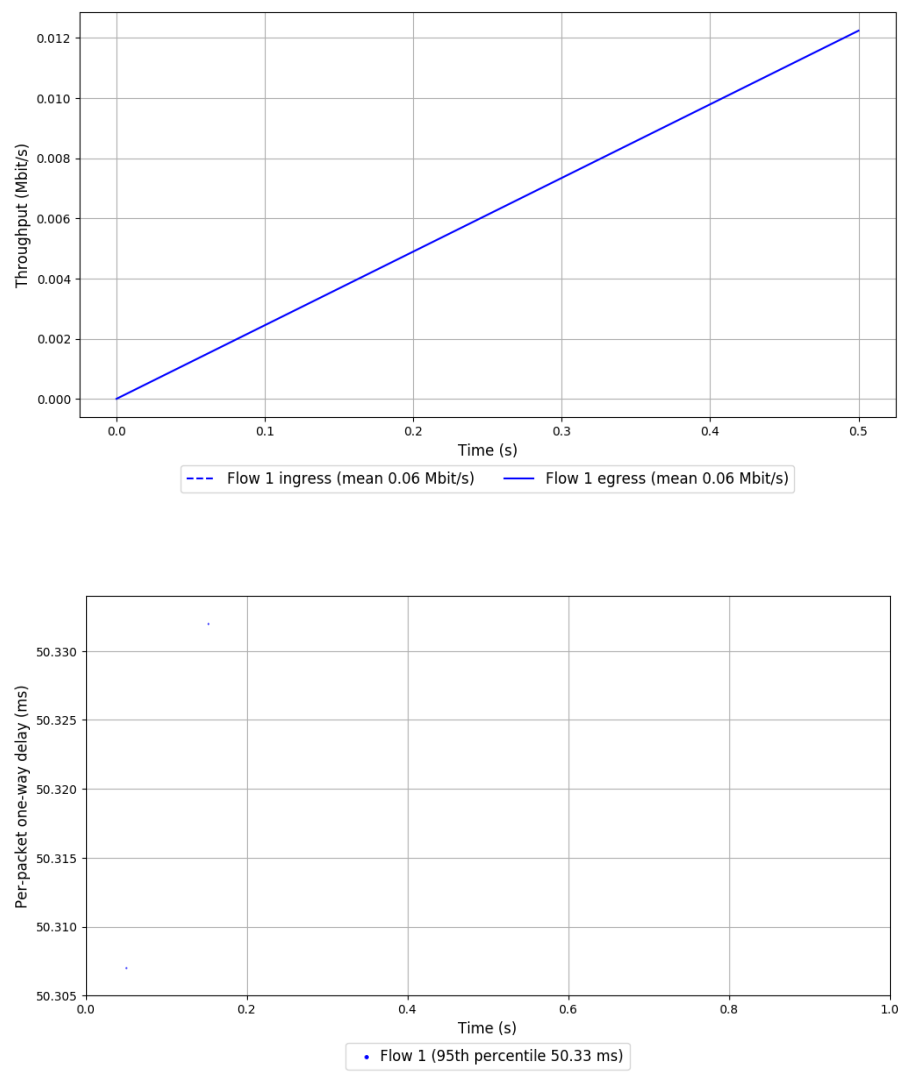
Start at: 2018-07-01 14:01:44

End at: 2018-07-01 14:02:14

Local clock offset: 0.047 ms

Remote clock offset: -0.115 ms

Run 8: Report of QUIC Cubic — Data Link

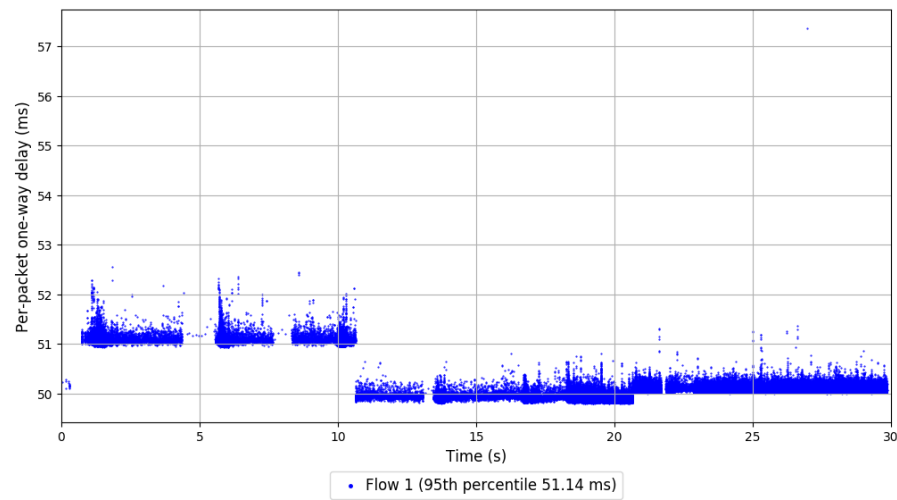
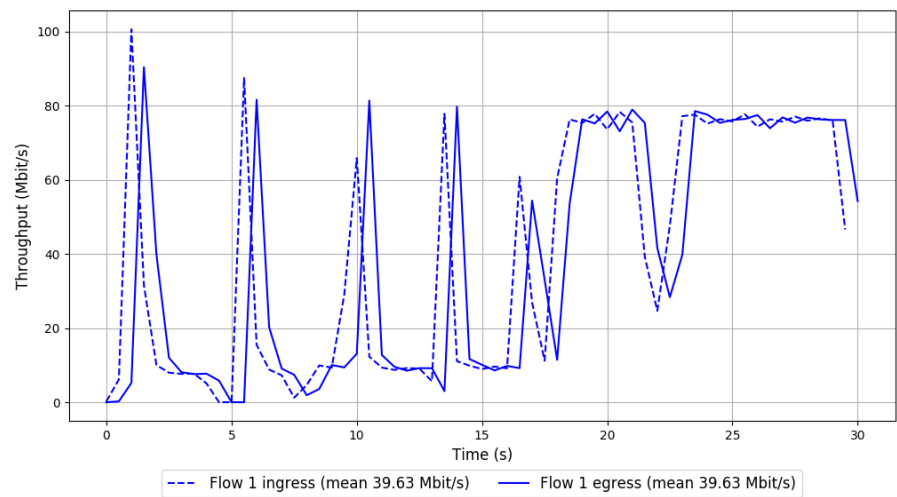


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-01 14:23:09
End at: 2018-07-01 14:23:39
Local clock offset: -0.313 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-07-01 16:00:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 39.63 Mbit/s
95th percentile per-packet one-way delay: 51.140 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 39.63 Mbit/s
95th percentile per-packet one-way delay: 51.140 ms
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

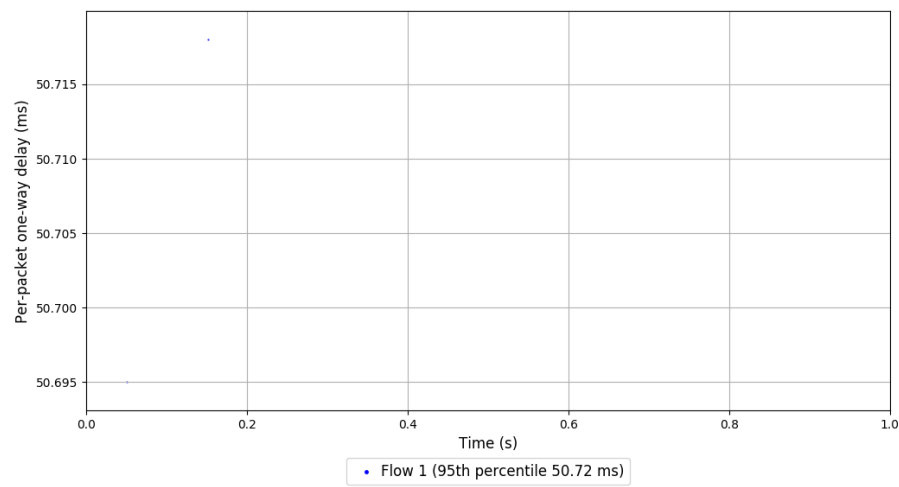
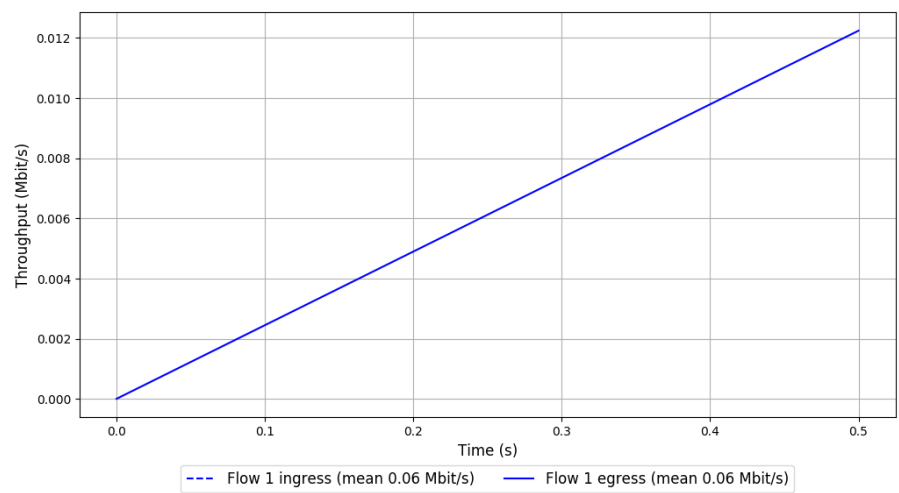
Start at: 2018-07-01 14:44:46

End at: 2018-07-01 14:45:16

Local clock offset: -0.365 ms

Remote clock offset: -0.097 ms

Run 10: Report of QUIC Cubic — Data Link

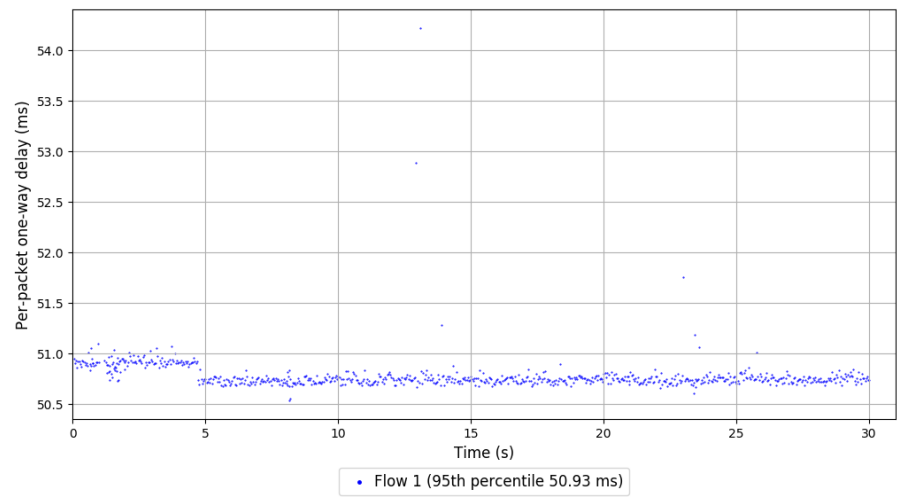
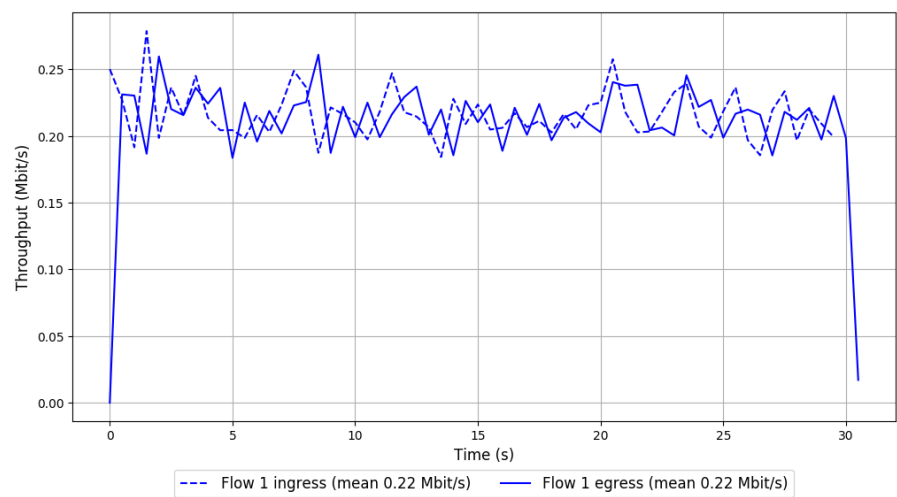


Run 1: Statistics of SCReAM

Start at: 2018-07-01 11:25:35
End at: 2018-07-01 11:26:05
Local clock offset: -0.339 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-01 16:00:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.930 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.930 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-07-01 11:47:17

End at: 2018-07-01 11:47:47

Local clock offset: 0.084 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-01 16:00:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.724 ms

Loss rate: 0.00%

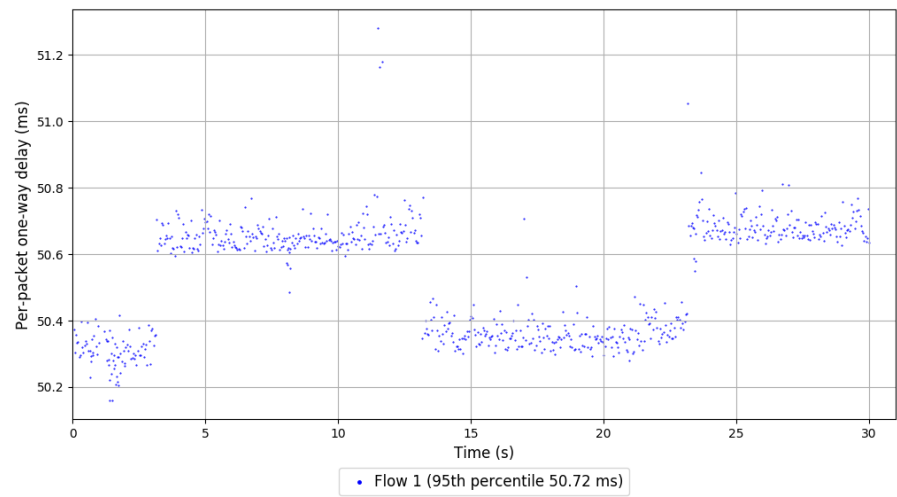
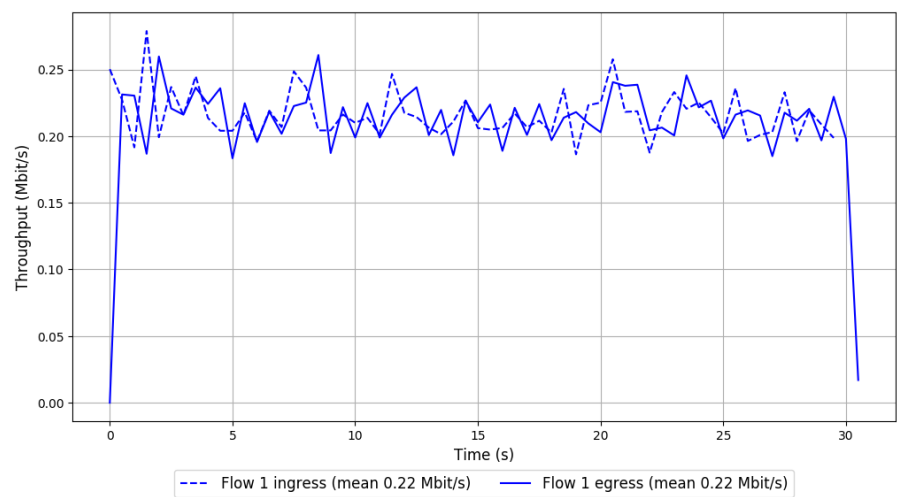
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.724 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-07-01 12:08:55

End at: 2018-07-01 12:09:26

Local clock offset: 0.035 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-01 16:00:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.616 ms

Loss rate: 0.00%

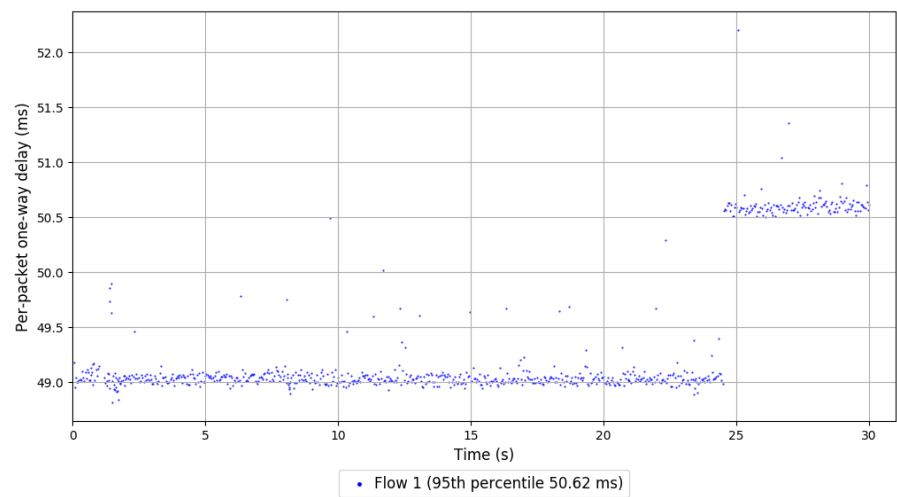
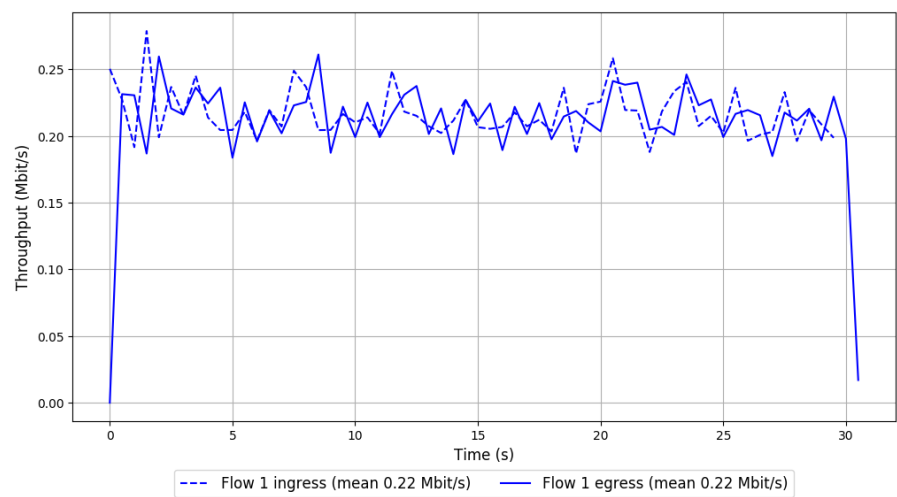
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.616 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-07-01 12:30:25

End at: 2018-07-01 12:30:55

Local clock offset: -0.003 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-07-01 16:00:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.153 ms

Loss rate: 0.00%

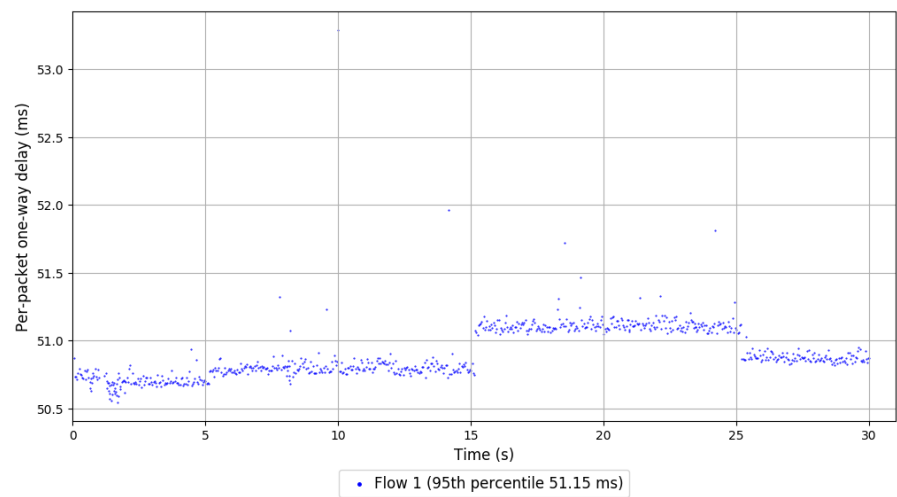
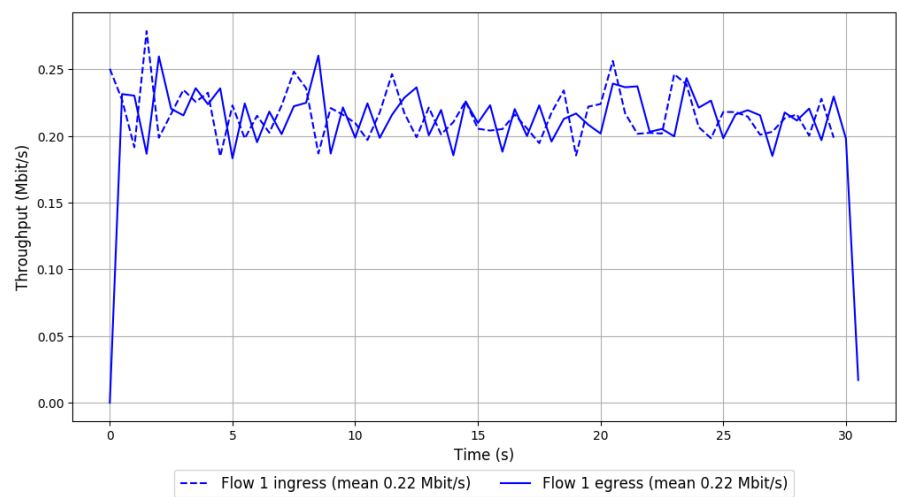
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.153 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

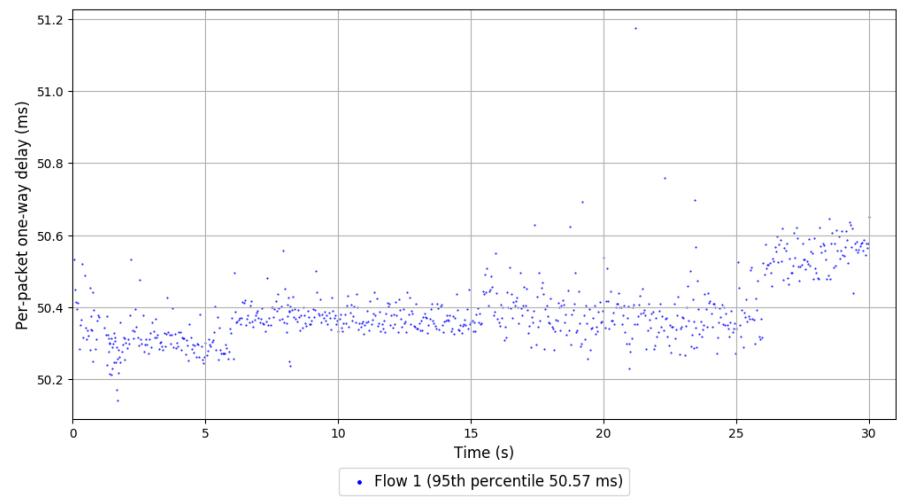
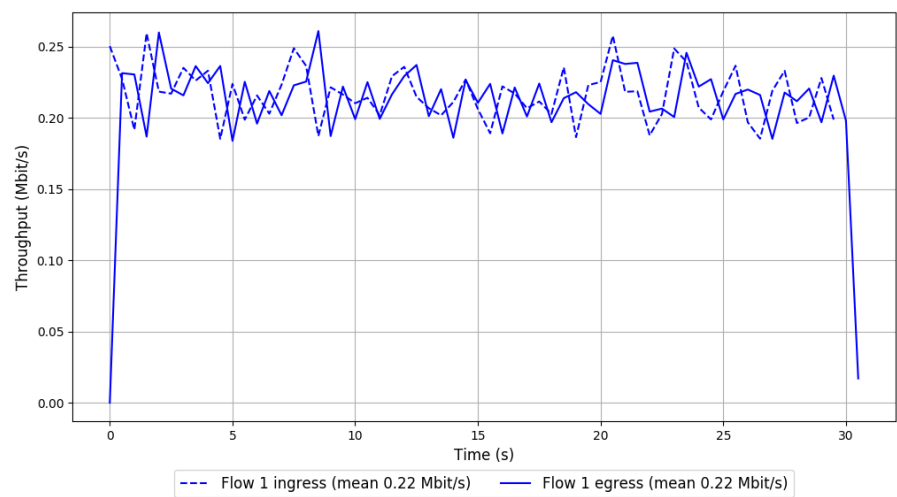


Run 5: Statistics of SCReAM

Start at: 2018-07-01 12:52:04
End at: 2018-07-01 12:52:34
Local clock offset: 0.436 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-07-01 16:00:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.574 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.574 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

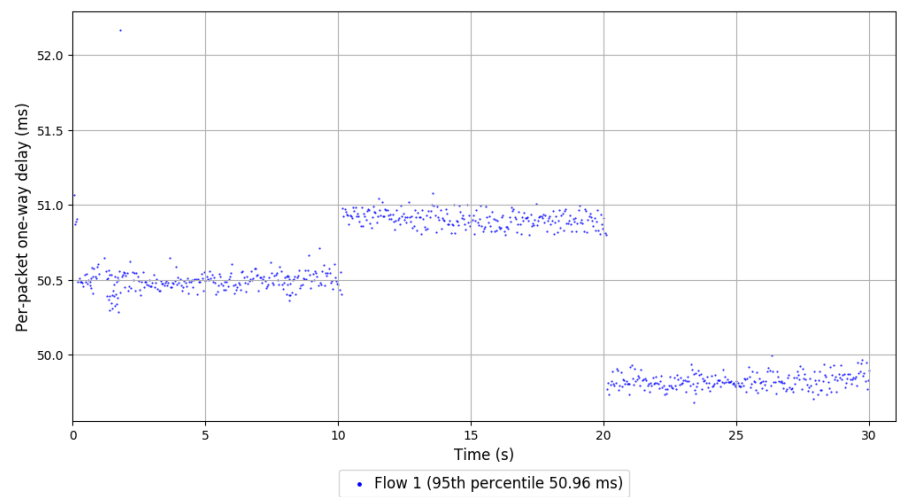
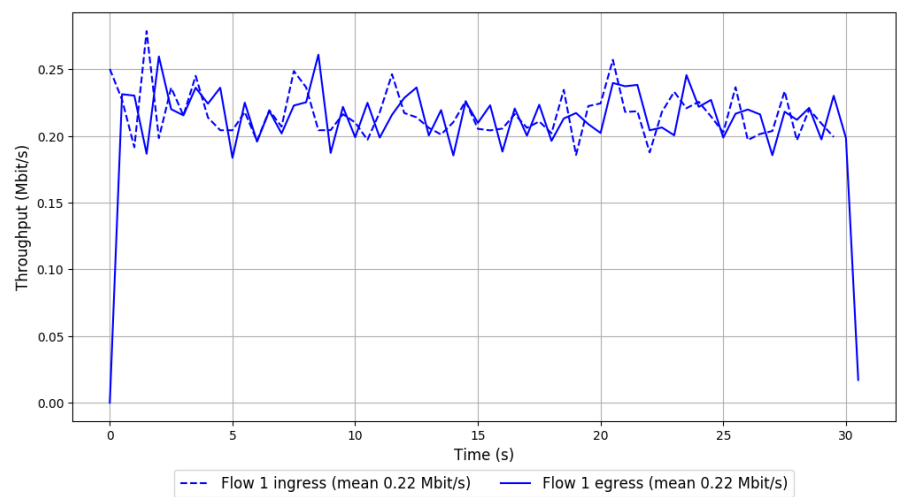


Run 6: Statistics of SCReAM

Start at: 2018-07-01 13:13:40
End at: 2018-07-01 13:14:10
Local clock offset: 0.032 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-01 16:00:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.963 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.963 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

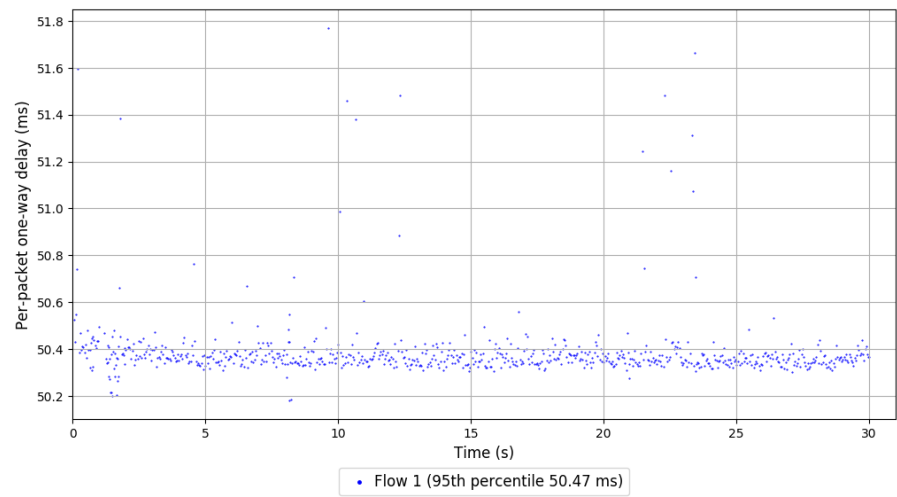
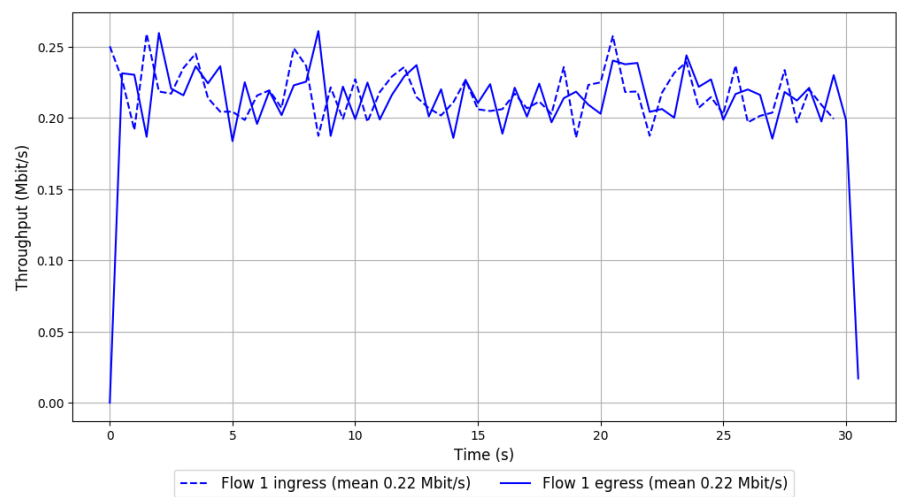


Run 7: Statistics of SCReAM

Start at: 2018-07-01 13:35:11
End at: 2018-07-01 13:35:41
Local clock offset: 0.06 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-01 16:00:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.469 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.469 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-07-01 13:56:43

End at: 2018-07-01 13:57:13

Local clock offset: -0.287 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-07-01 16:00:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.168 ms

Loss rate: 0.00%

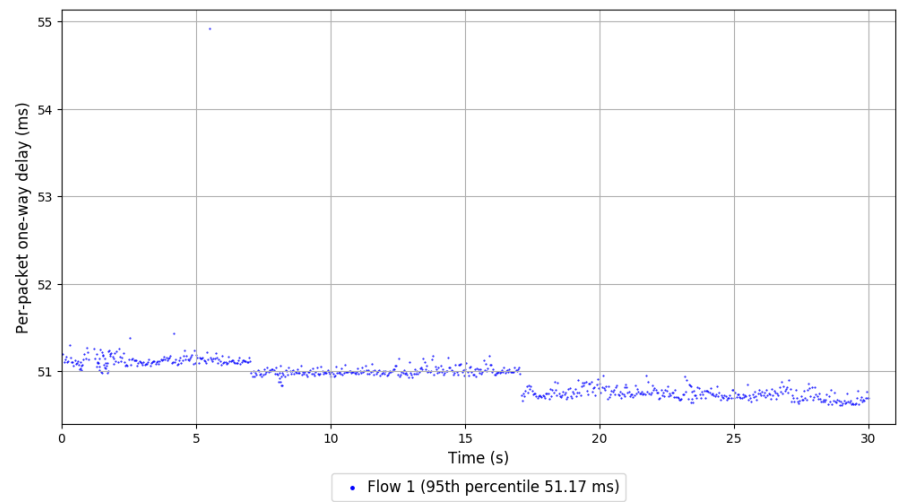
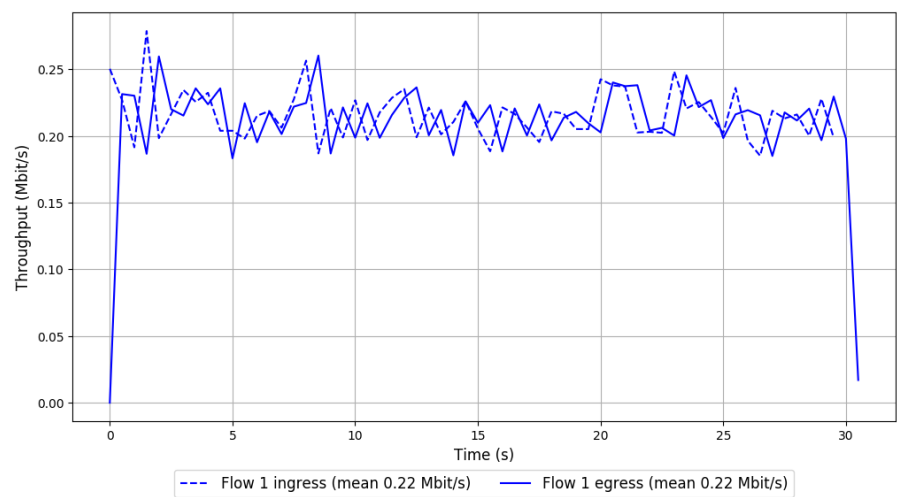
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.168 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

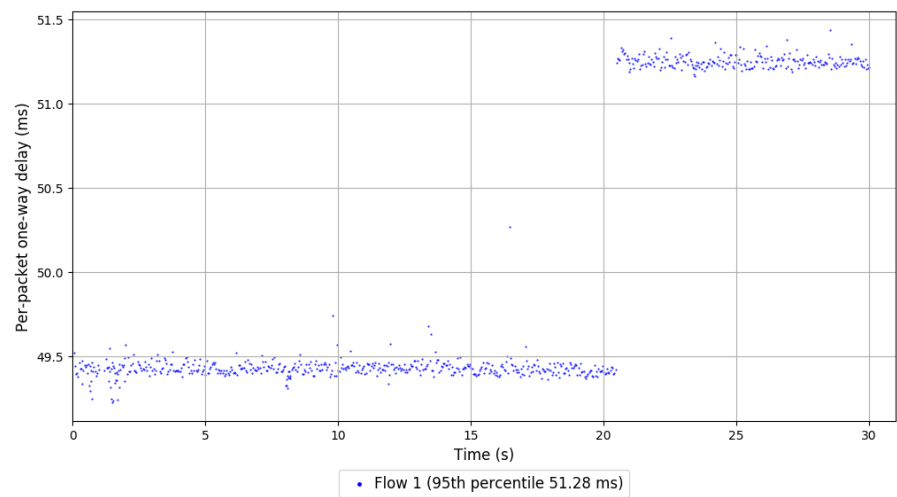
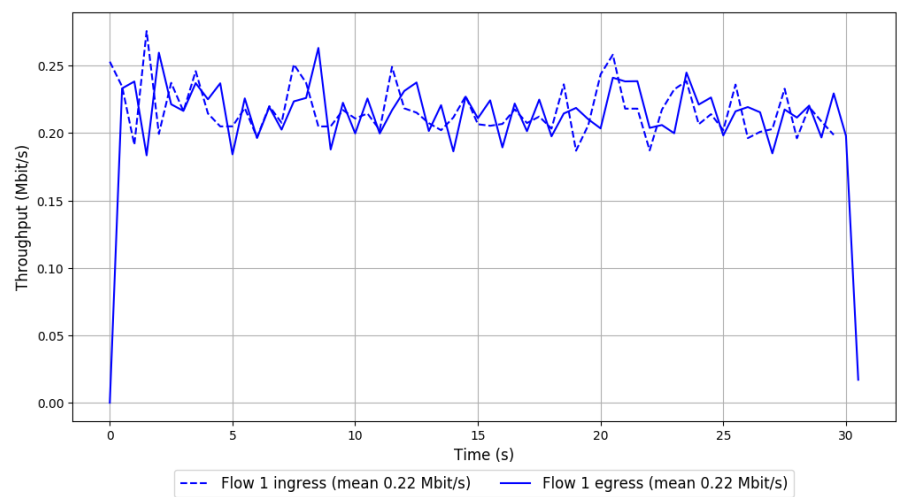


Run 9: Statistics of SCReAM

Start at: 2018-07-01 14:18:10
End at: 2018-07-01 14:18:40
Local clock offset: -0.376 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-07-01 16:00:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.283 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.283 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

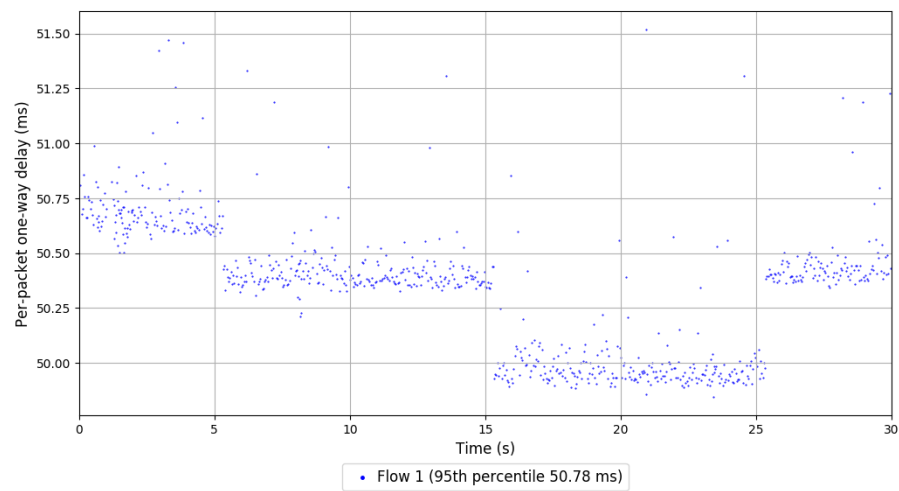
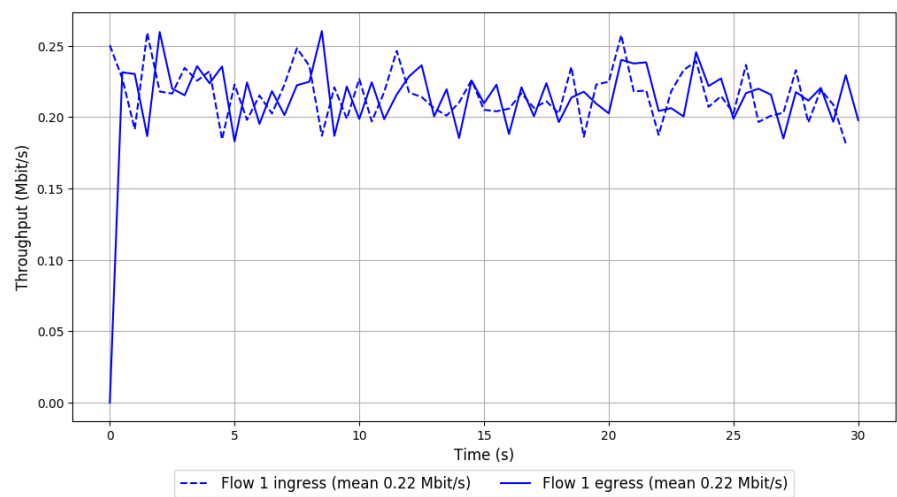


Run 10: Statistics of SCReAM

Start at: 2018-07-01 14:39:45
End at: 2018-07-01 14:40:15
Local clock offset: 0.024 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-07-01 16:00:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.783 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.783 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-01 11:26:41

End at: 2018-07-01 11:27:11

Local clock offset: 0.374 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-01 16:00:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.91 Mbit/s

95th percentile per-packet one-way delay: 51.033 ms

Loss rate: 0.00%

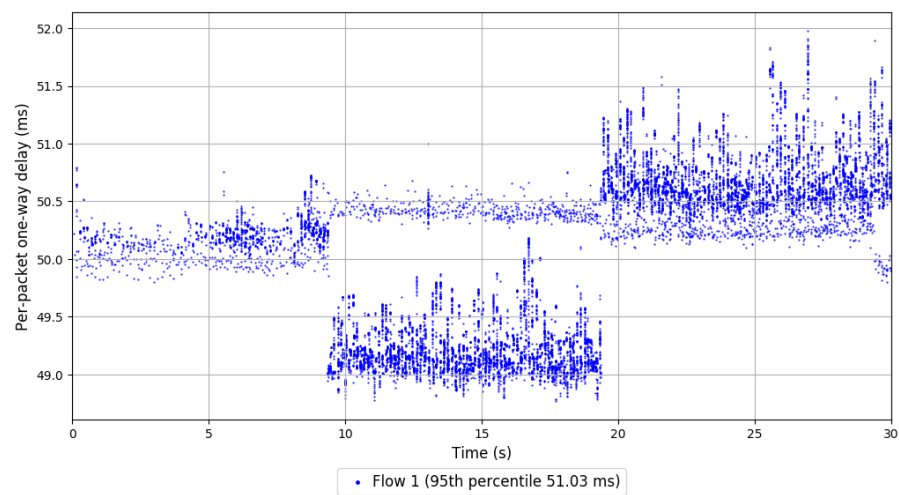
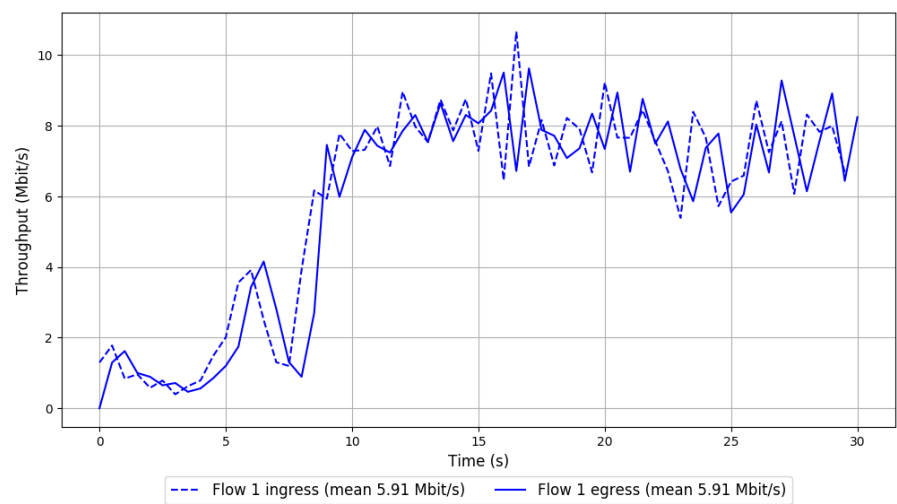
-- Flow 1:

Average throughput: 5.91 Mbit/s

95th percentile per-packet one-way delay: 51.033 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-01 11:48:22

End at: 2018-07-01 11:48:52

Local clock offset: -0.291 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-01 16:00:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.69 Mbit/s

95th percentile per-packet one-way delay: 51.471 ms

Loss rate: 0.00%

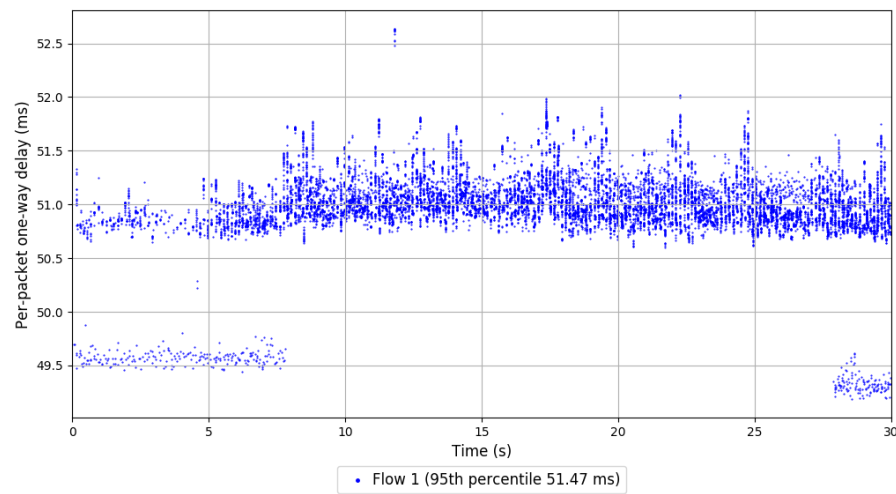
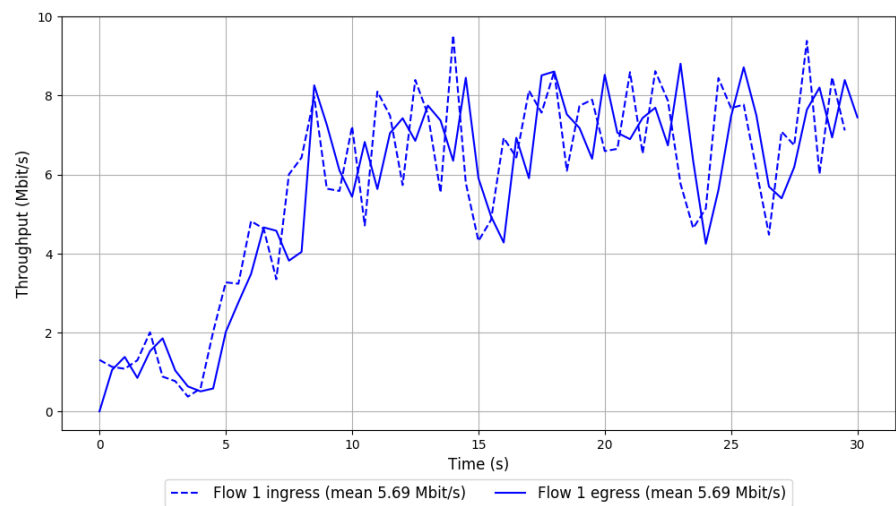
-- Flow 1:

Average throughput: 5.69 Mbit/s

95th percentile per-packet one-way delay: 51.471 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

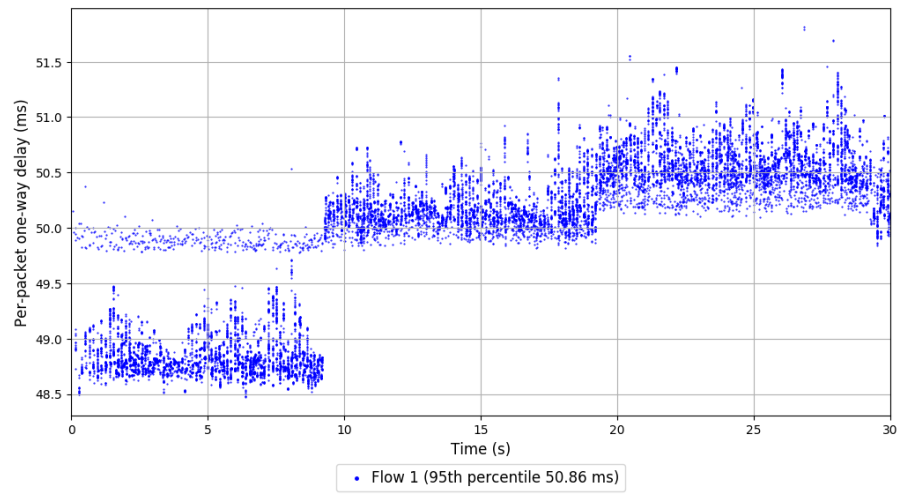
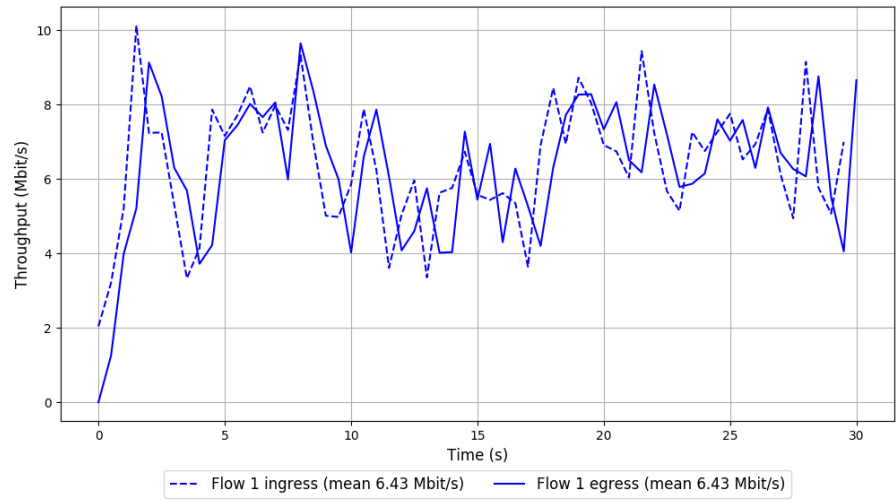


Run 3: Statistics of Sprout

Start at: 2018-07-01 12:10:01
End at: 2018-07-01 12:10:31
Local clock offset: 0.418 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-01 16:00:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.43 Mbit/s
95th percentile per-packet one-way delay: 50.860 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.43 Mbit/s
95th percentile per-packet one-way delay: 50.860 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-07-01 12:31:30

End at: 2018-07-01 12:32:00

Local clock offset: -0.323 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-01 16:00:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.91 Mbit/s

95th percentile per-packet one-way delay: 51.861 ms

Loss rate: 0.00%

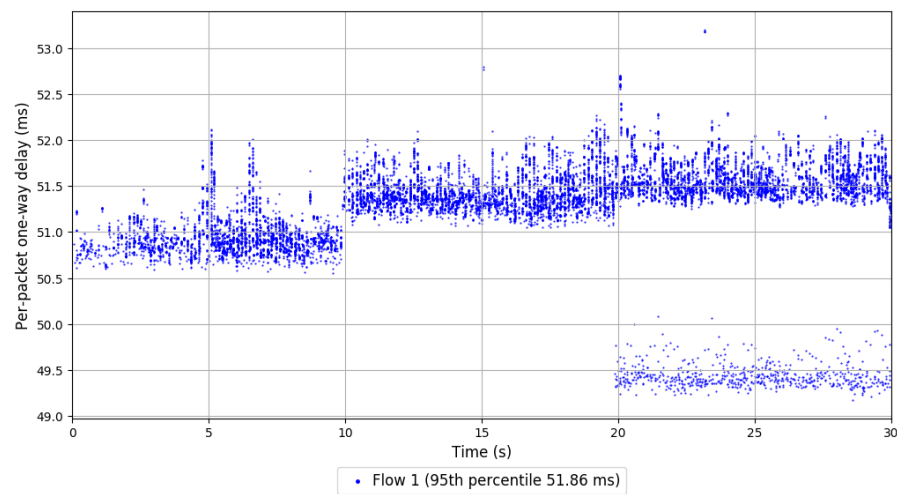
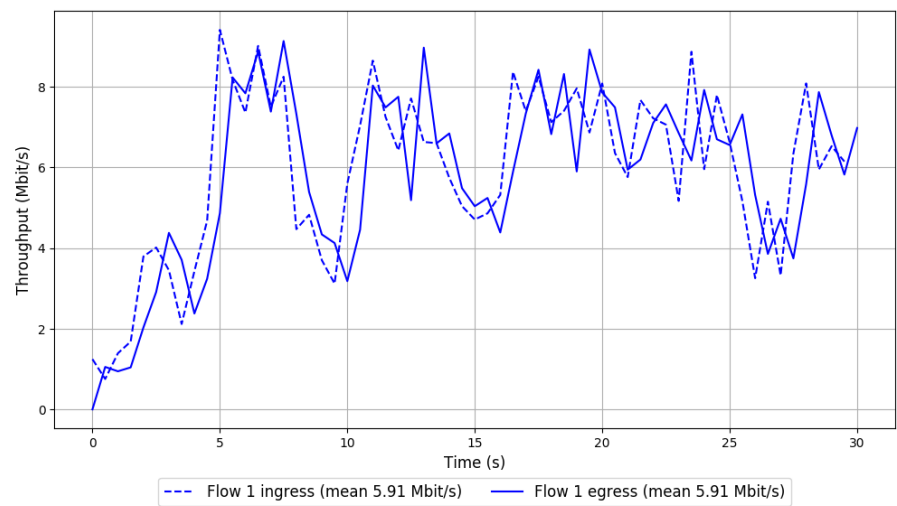
-- Flow 1:

Average throughput: 5.91 Mbit/s

95th percentile per-packet one-way delay: 51.861 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

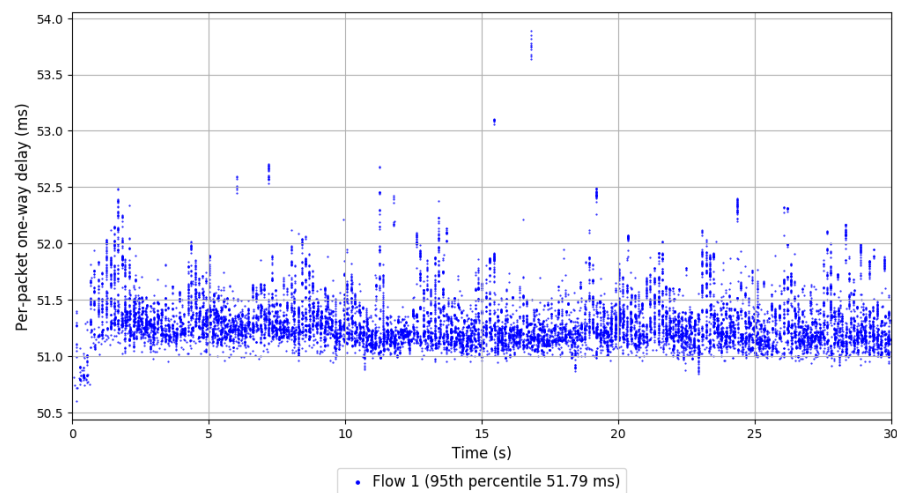
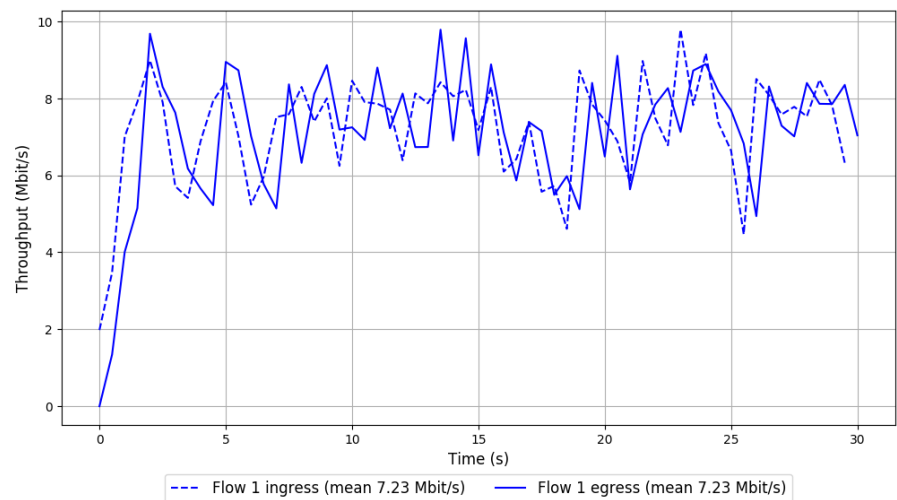


Run 5: Statistics of Sprout

Start at: 2018-07-01 12:53:09
End at: 2018-07-01 12:53:39
Local clock offset: -0.292 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-01 16:00:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 51.789 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 51.789 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

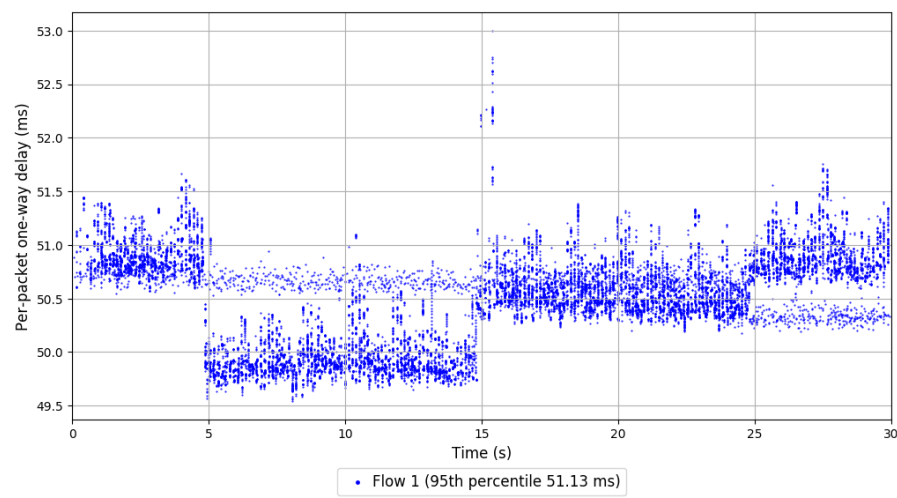
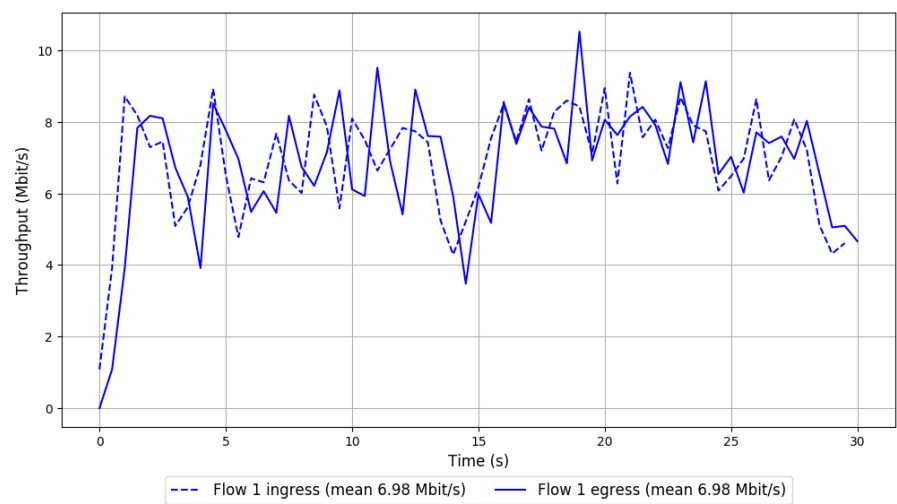


Run 6: Statistics of Sprout

Start at: 2018-07-01 13:14:45
End at: 2018-07-01 13:15:15
Local clock offset: 0.082 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-01 16:00:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.98 Mbit/s
95th percentile per-packet one-way delay: 51.131 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.98 Mbit/s
95th percentile per-packet one-way delay: 51.131 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

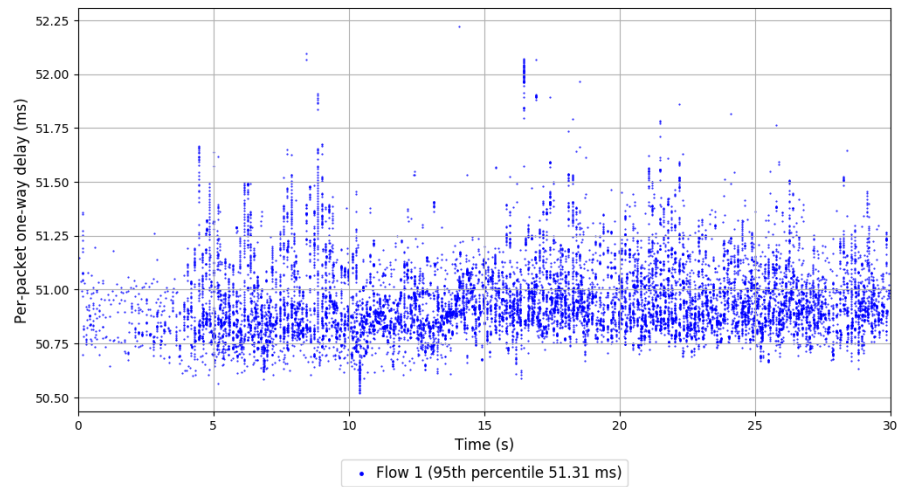
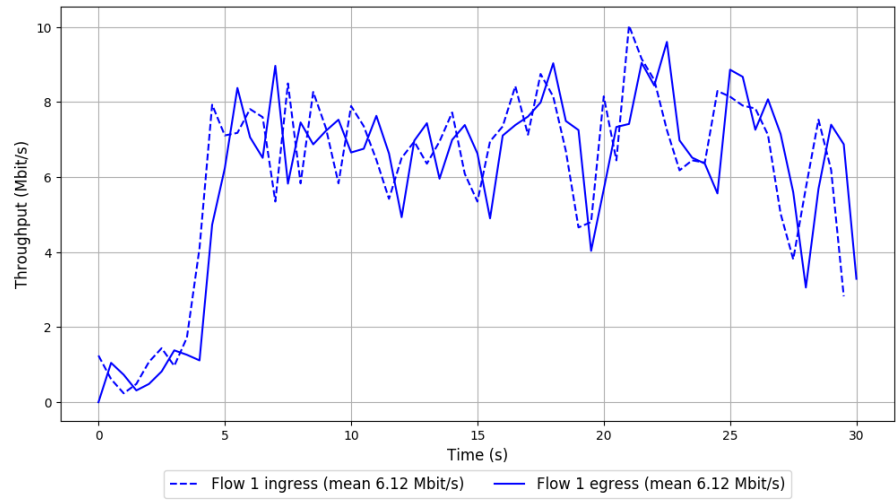


Run 7: Statistics of Sprout

Start at: 2018-07-01 13:36:16
End at: 2018-07-01 13:36:46
Local clock offset: -0.319 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-01 16:00:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.12 Mbit/s
95th percentile per-packet one-way delay: 51.310 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.12 Mbit/s
95th percentile per-packet one-way delay: 51.310 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-07-01 13:57:48

End at: 2018-07-01 13:58:18

Local clock offset: -0.29 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-07-01 16:00:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.04 Mbit/s

95th percentile per-packet one-way delay: 52.028 ms

Loss rate: 0.00%

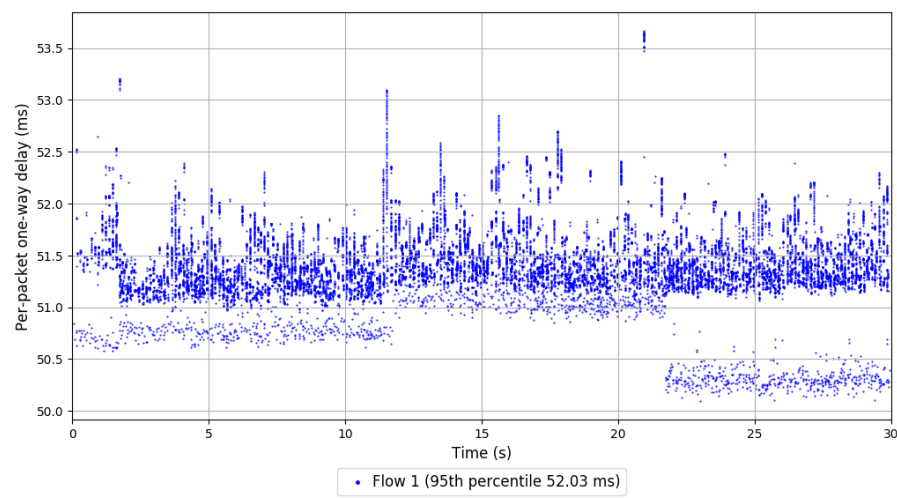
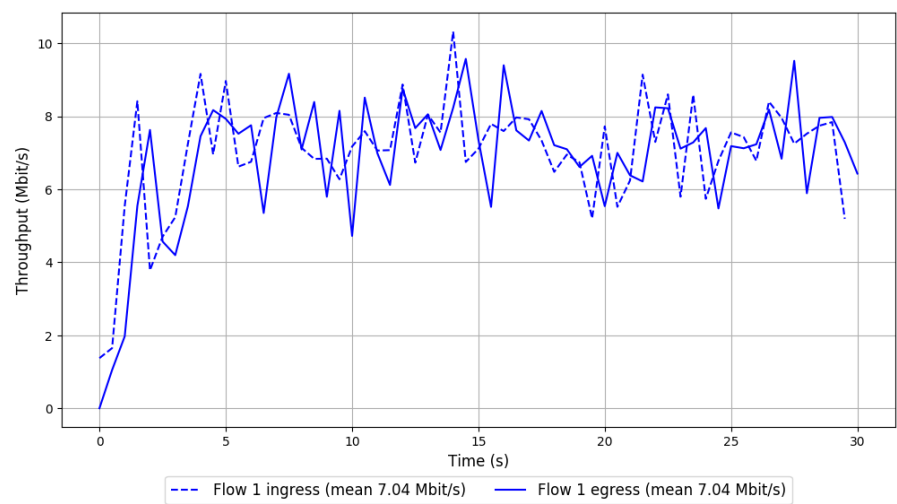
-- Flow 1:

Average throughput: 7.04 Mbit/s

95th percentile per-packet one-way delay: 52.028 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

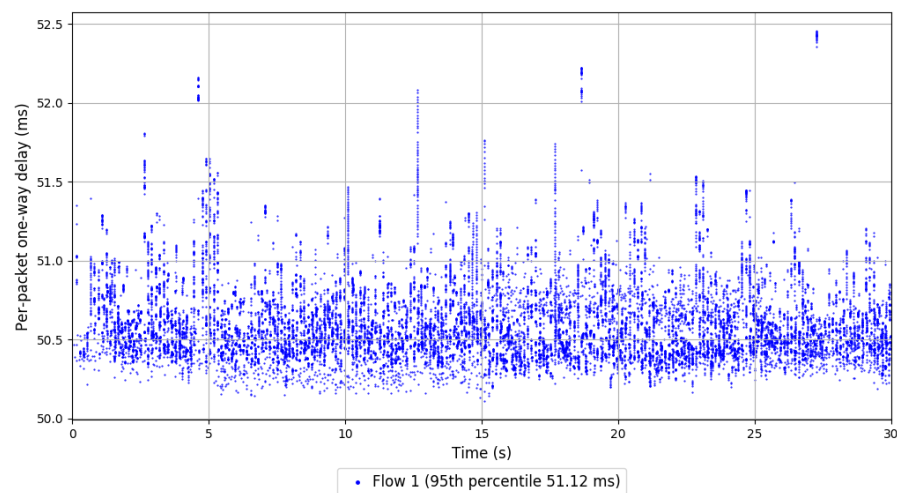
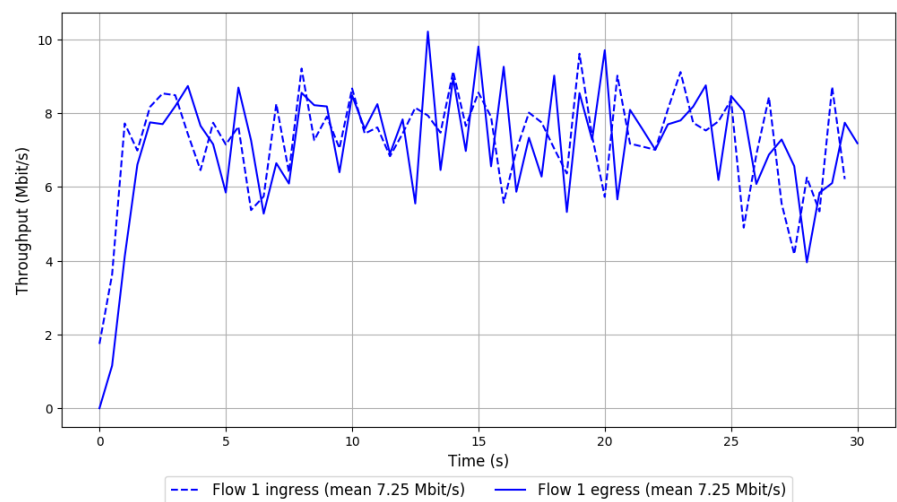


Run 9: Statistics of Sprout

Start at: 2018-07-01 14:19:15
End at: 2018-07-01 14:19:45
Local clock offset: 0.082 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-07-01 16:00:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.25 Mbit/s
95th percentile per-packet one-way delay: 51.124 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.25 Mbit/s
95th percentile per-packet one-way delay: 51.124 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-01 14:40:50

End at: 2018-07-01 14:41:20

Local clock offset: 0.012 ms

Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-07-01 16:00:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.35 Mbit/s

95th percentile per-packet one-way delay: 50.503 ms

Loss rate: 0.00%

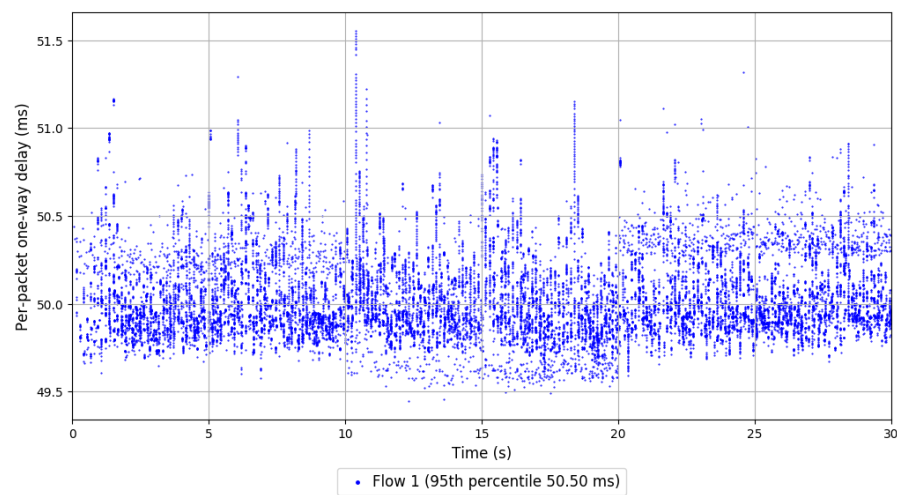
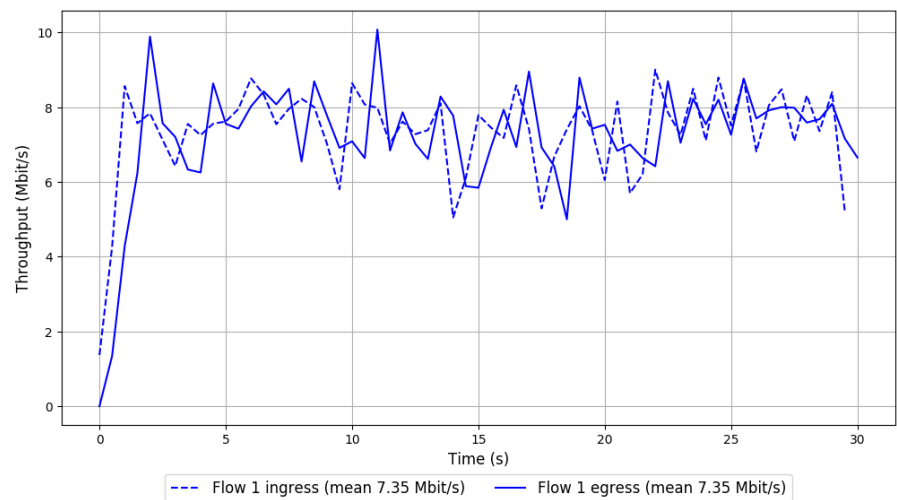
-- Flow 1:

Average throughput: 7.35 Mbit/s

95th percentile per-packet one-way delay: 50.503 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

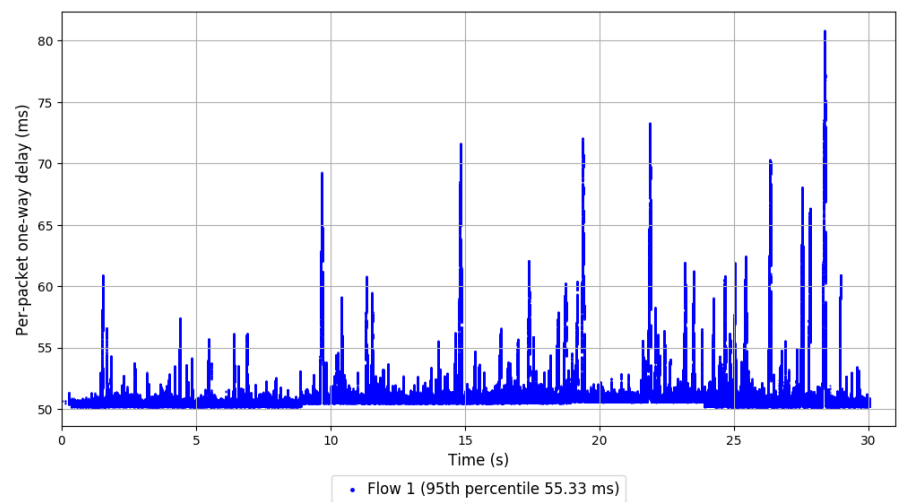
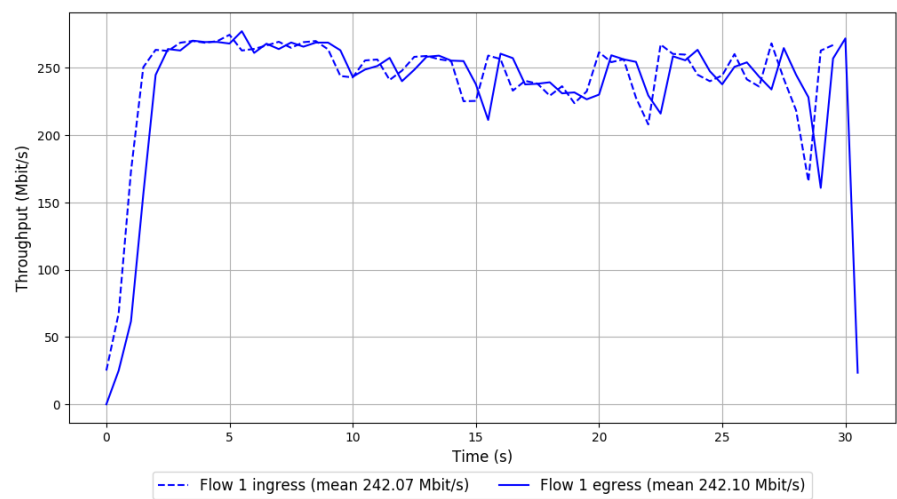


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-01 11:29:11
End at: 2018-07-01 11:29:41
Local clock offset: 0.047 ms
Remote clock offset: 0.026 ms

# Below is generated by plot.py at 2018-07-01 16:00:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 242.10 Mbit/s
95th percentile per-packet one-way delay: 55.334 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 242.10 Mbit/s
95th percentile per-packet one-way delay: 55.334 ms
Loss rate: 0.00%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-01 11:50:57

End at: 2018-07-01 11:51:27

Local clock offset: 0.443 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-01 16:01:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 249.52 Mbit/s

95th percentile per-packet one-way delay: 51.901 ms

Loss rate: 0.00%

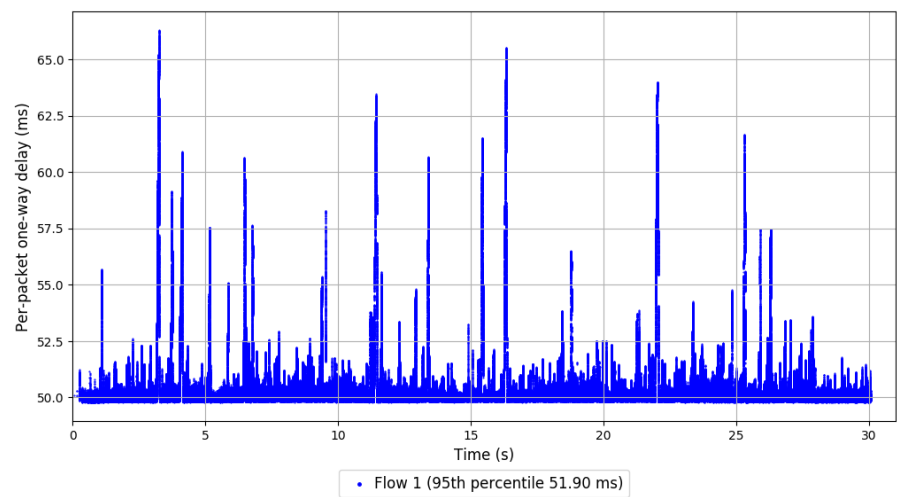
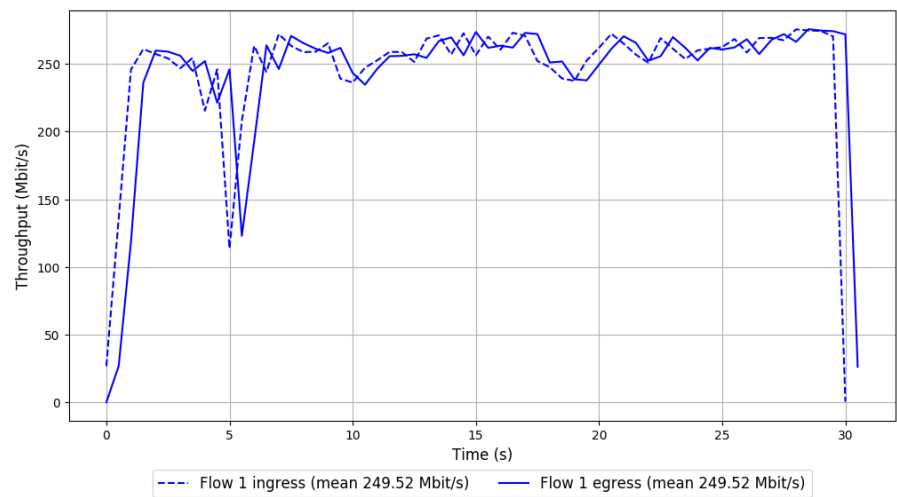
-- Flow 1:

Average throughput: 249.52 Mbit/s

95th percentile per-packet one-way delay: 51.901 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-01 12:12:30

End at: 2018-07-01 12:13:00

Local clock offset: 0.085 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-07-01 16:01:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 159.30 Mbit/s

95th percentile per-packet one-way delay: 50.801 ms

Loss rate: 0.00%

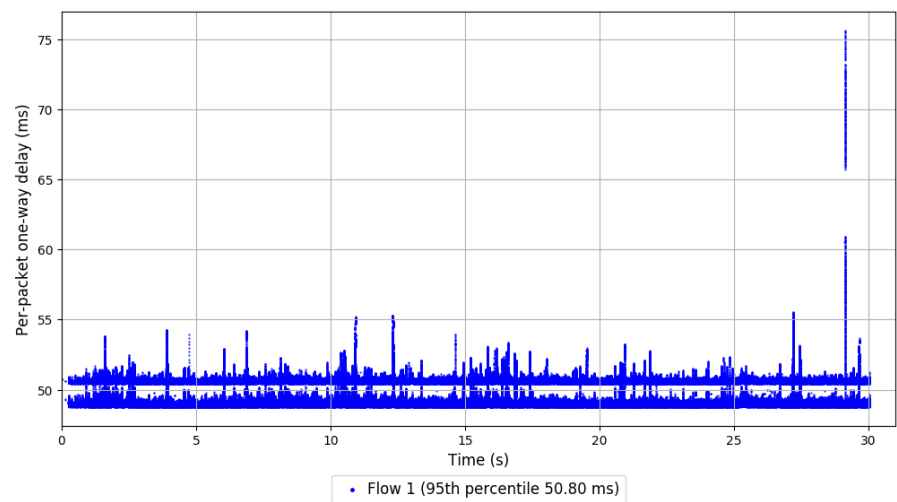
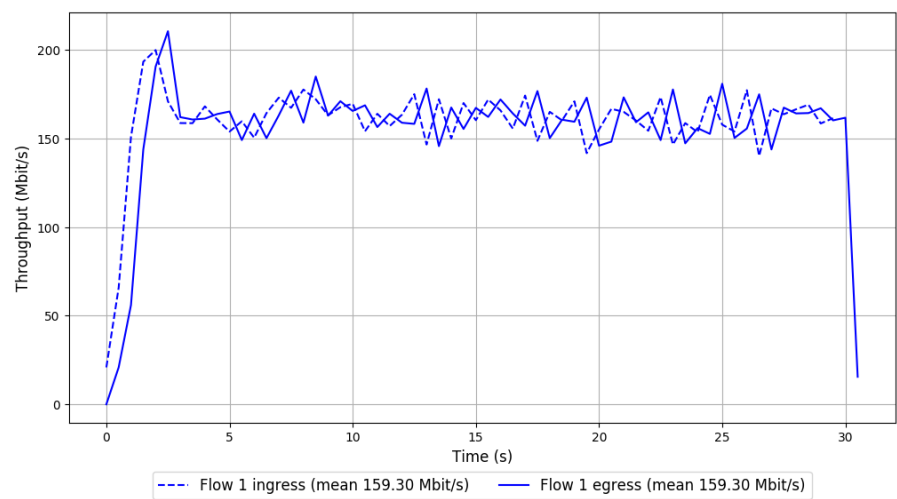
-- Flow 1:

Average throughput: 159.30 Mbit/s

95th percentile per-packet one-way delay: 50.801 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-01 12:34:03

End at: 2018-07-01 12:34:33

Local clock offset: 0.029 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-07-01 16:05:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 255.15 Mbit/s

95th percentile per-packet one-way delay: 52.075 ms

Loss rate: 0.00%

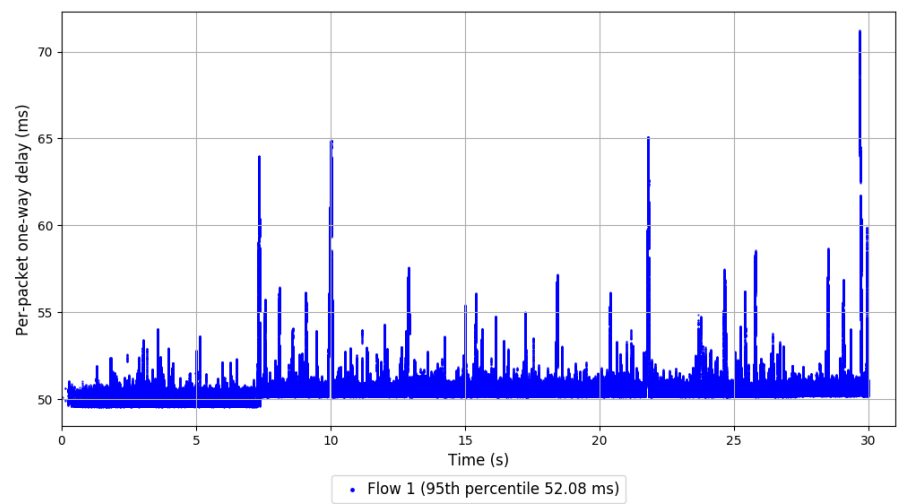
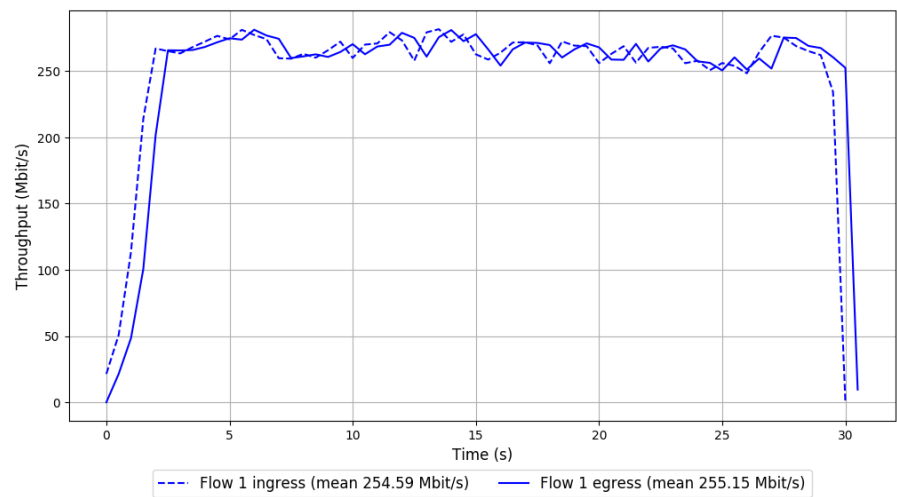
-- Flow 1:

Average throughput: 255.15 Mbit/s

95th percentile per-packet one-way delay: 52.075 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-01 12:55:43

End at: 2018-07-01 12:56:13

Local clock offset: 0.071 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-01 16:05:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 249.11 Mbit/s

95th percentile per-packet one-way delay: 53.459 ms

Loss rate: 0.00%

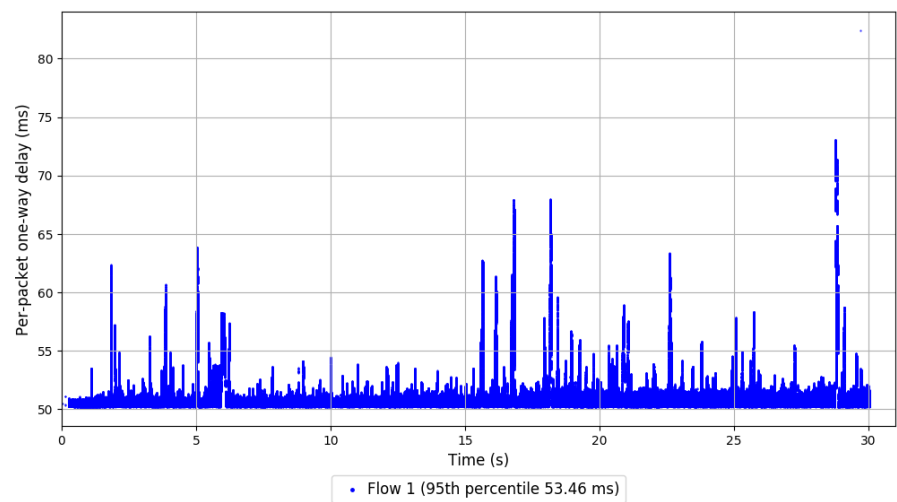
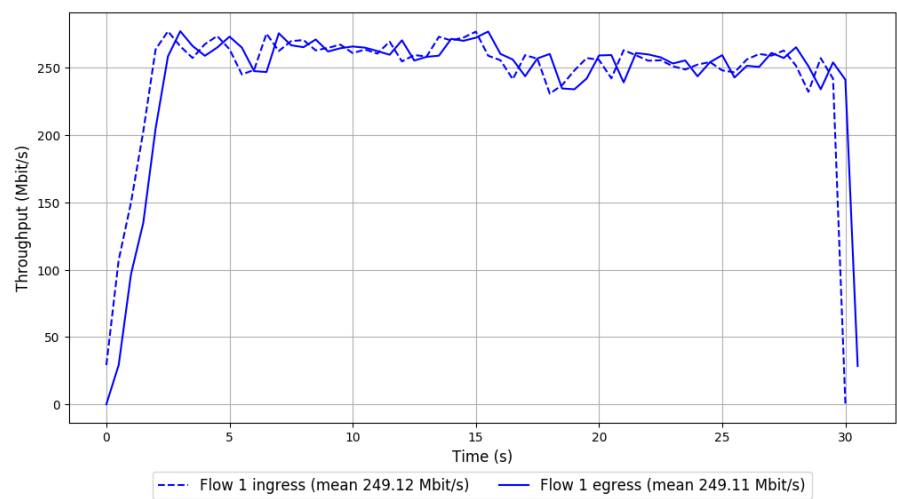
-- Flow 1:

Average throughput: 249.11 Mbit/s

95th percentile per-packet one-way delay: 53.459 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-01 13:17:17

End at: 2018-07-01 13:17:47

Local clock offset: 0.078 ms

Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-01 16:06:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 258.61 Mbit/s

95th percentile per-packet one-way delay: 53.421 ms

Loss rate: 0.00%

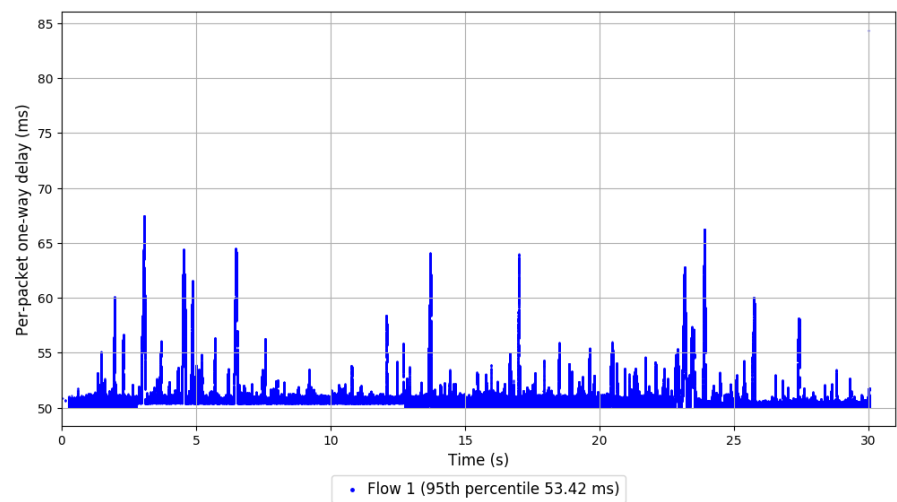
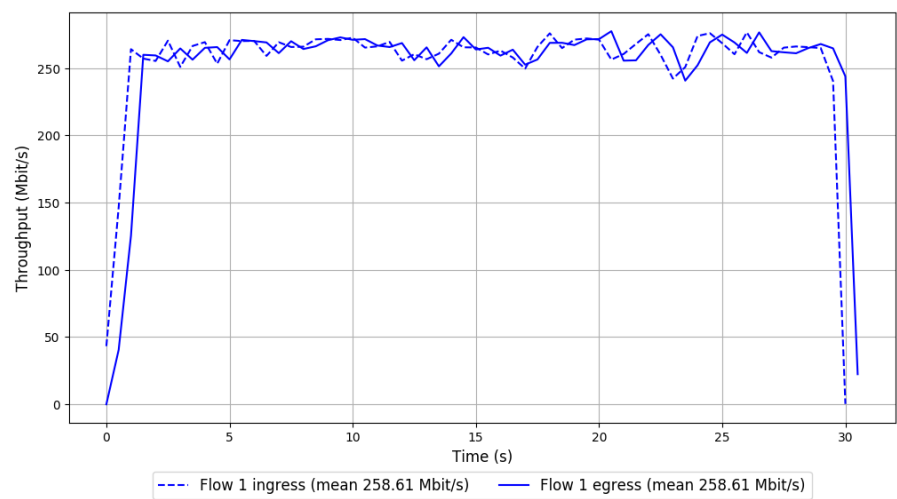
-- Flow 1:

Average throughput: 258.61 Mbit/s

95th percentile per-packet one-way delay: 53.421 ms

Loss rate: 0.00%

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

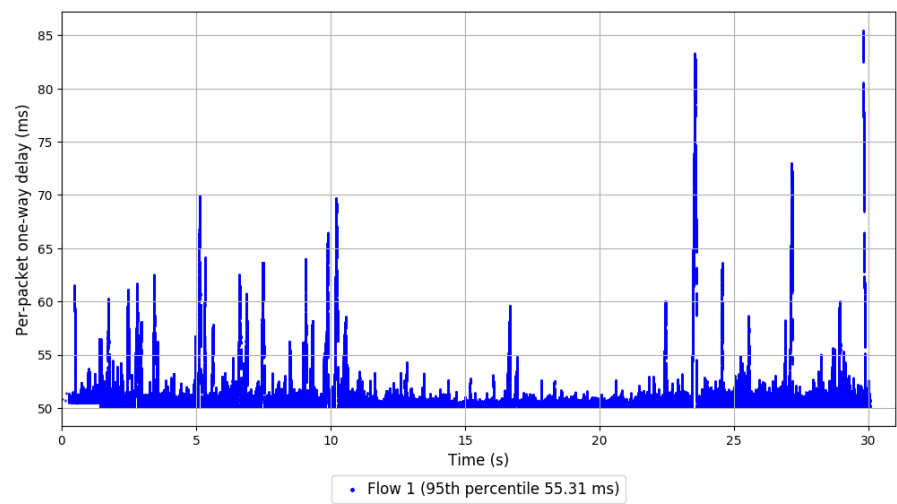
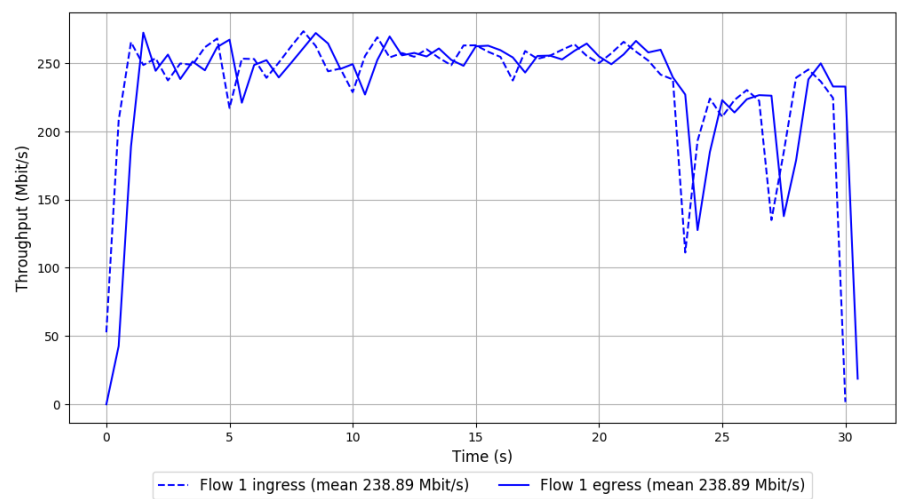


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-01 13:38:49
End at: 2018-07-01 13:39:19
Local clock offset: 0.045 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-01 16:06:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 238.89 Mbit/s
95th percentile per-packet one-way delay: 55.315 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 238.89 Mbit/s
95th percentile per-packet one-way delay: 55.315 ms
Loss rate: 0.00%

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

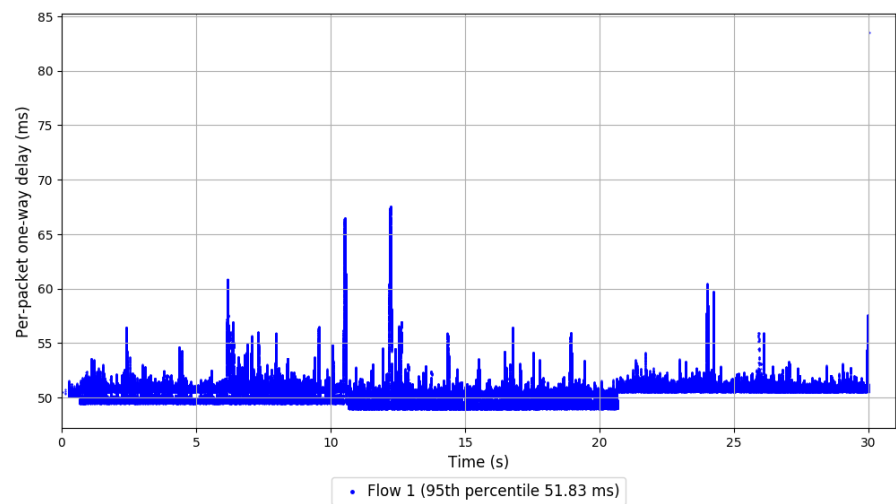
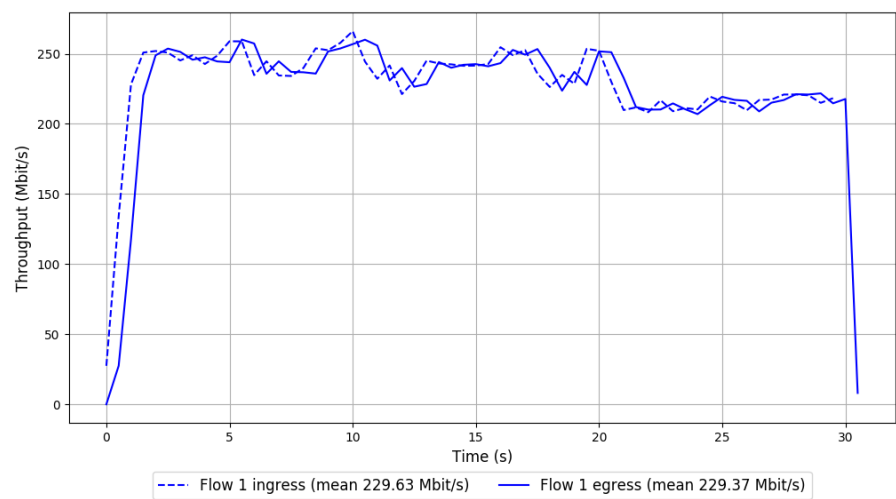


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-01 14:00:19
End at: 2018-07-01 14:00:49
Local clock offset: 0.065 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-01 16:06:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 229.37 Mbit/s
95th percentile per-packet one-way delay: 51.830 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 229.37 Mbit/s
95th percentile per-packet one-way delay: 51.830 ms
Loss rate: 0.11%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-01 14:21:44

End at: 2018-07-01 14:22:15

Local clock offset: 0.033 ms

Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-07-01 16:08:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 235.12 Mbit/s

95th percentile per-packet one-way delay: 55.985 ms

Loss rate: 0.00%

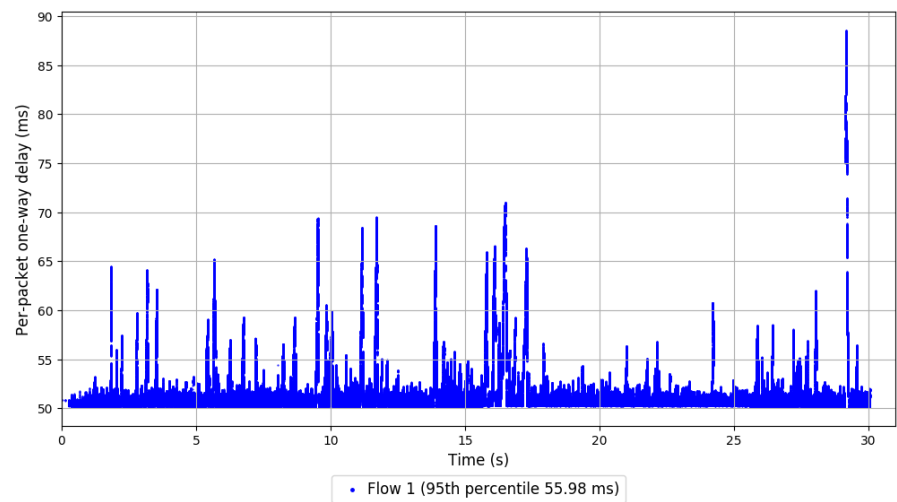
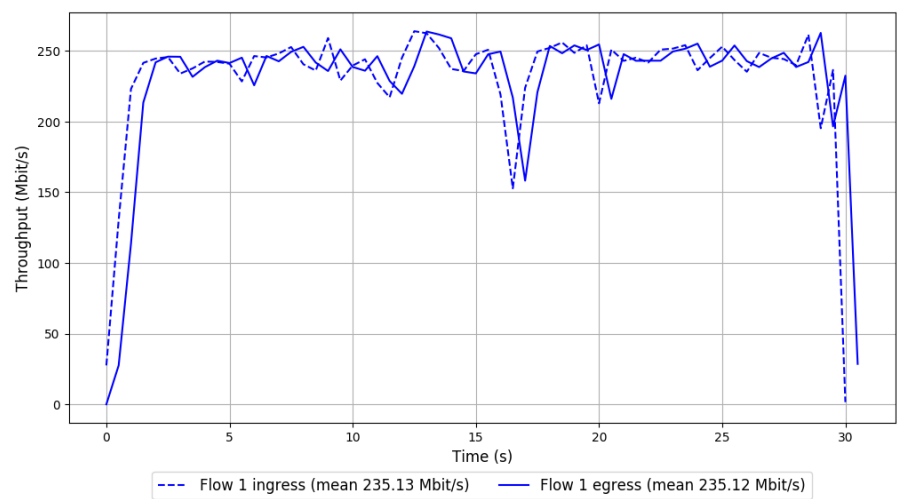
-- Flow 1:

Average throughput: 235.12 Mbit/s

95th percentile per-packet one-way delay: 55.985 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-01 14:43:20

End at: 2018-07-01 14:43:51

Local clock offset: 0.025 ms

Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-07-01 16:08:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 233.39 Mbit/s

95th percentile per-packet one-way delay: 53.515 ms

Loss rate: 0.00%

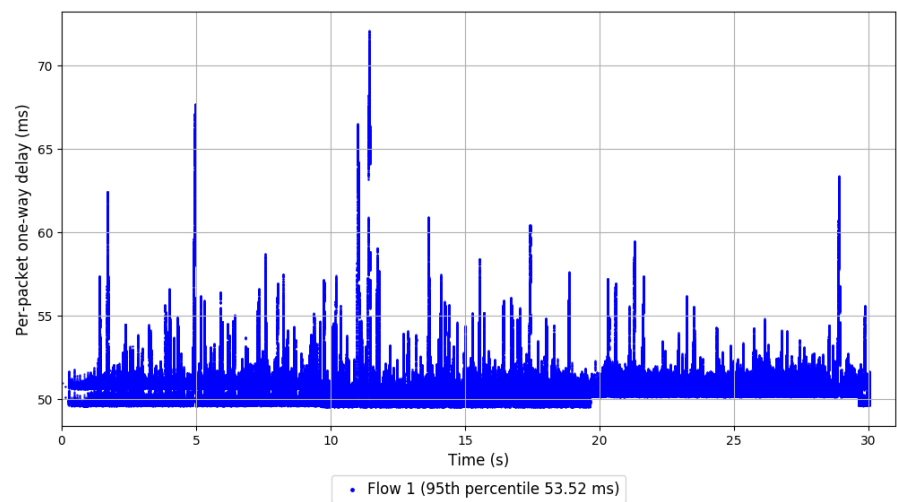
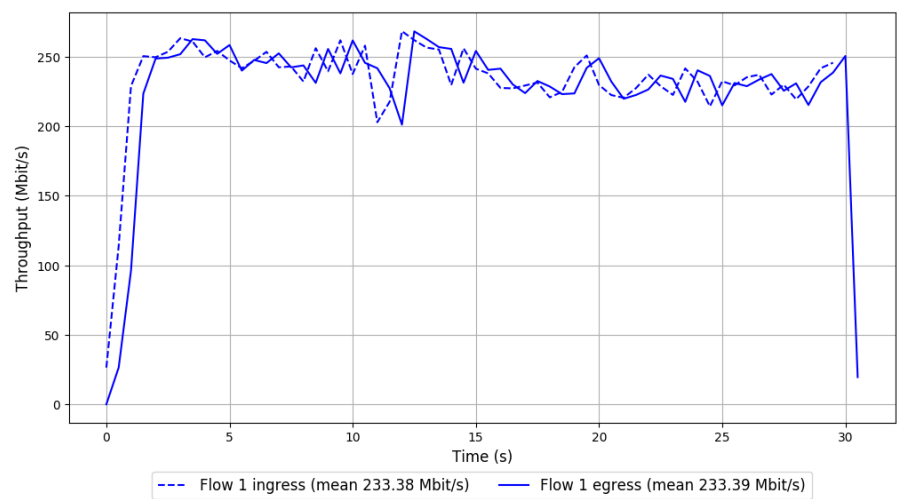
-- Flow 1:

Average throughput: 233.39 Mbit/s

95th percentile per-packet one-way delay: 53.515 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-01 11:12:49

End at: 2018-07-01 11:13:19

Local clock offset: -0.384 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-01 16:08:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.63 Mbit/s

95th percentile per-packet one-way delay: 52.126 ms

Loss rate: 0.00%

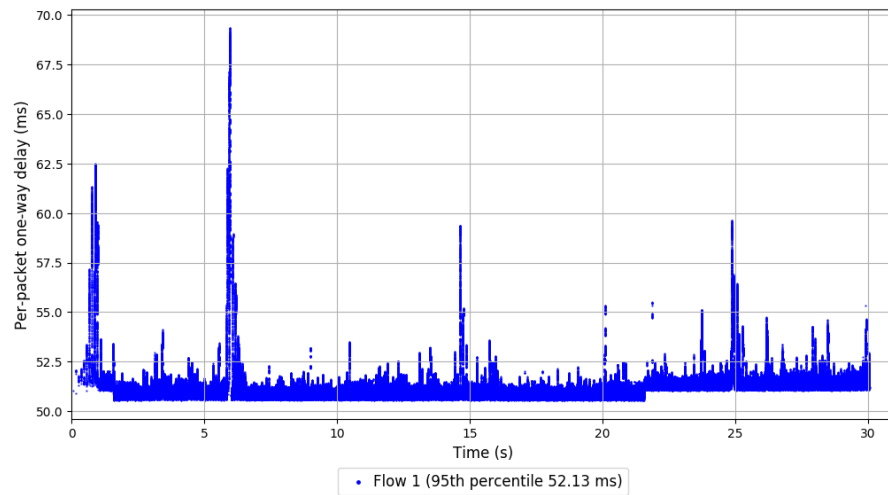
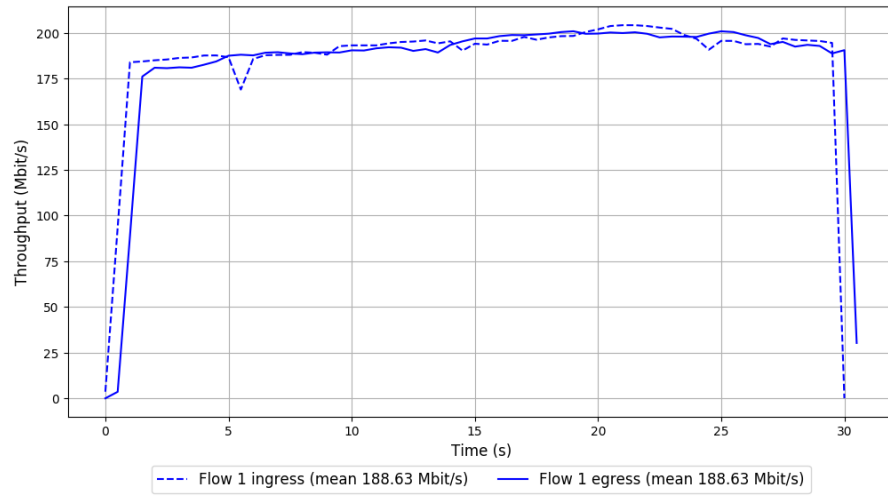
-- Flow 1:

Average throughput: 188.63 Mbit/s

95th percentile per-packet one-way delay: 52.126 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-01 11:34:10

End at: 2018-07-01 11:34:40

Local clock offset: 0.062 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-07-01 16:08:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.00 Mbit/s

95th percentile per-packet one-way delay: 60.633 ms

Loss rate: 0.00%

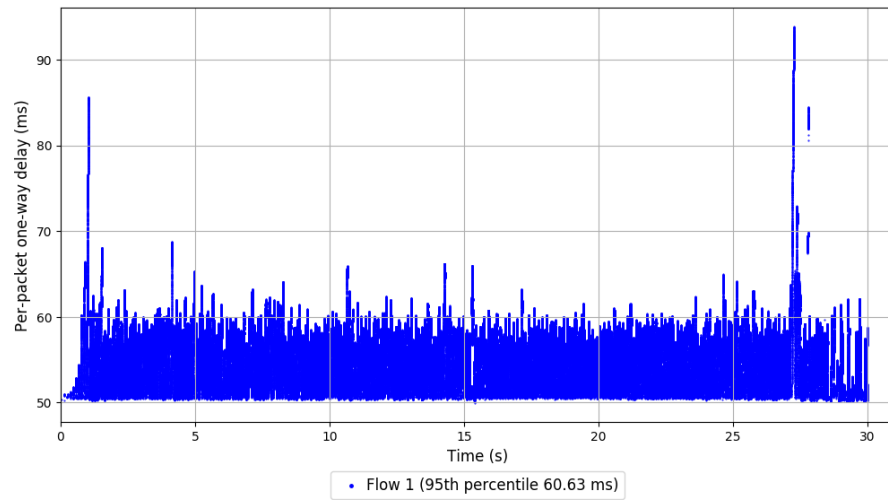
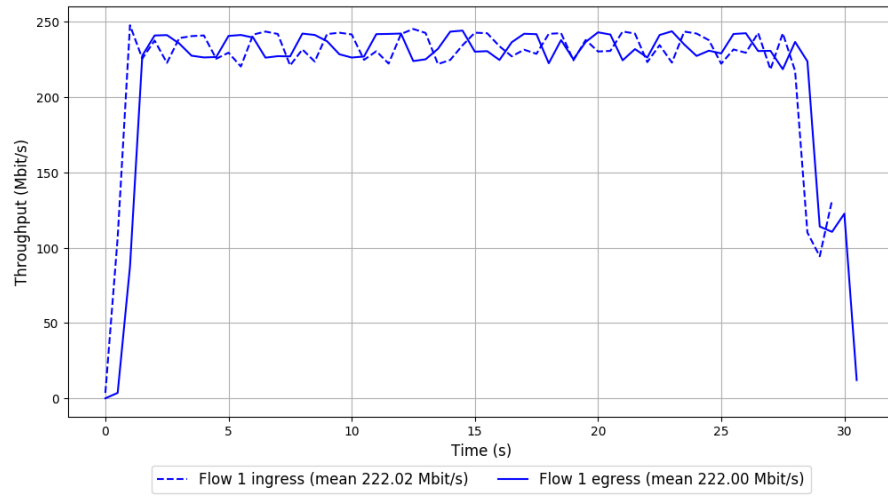
-- Flow 1:

Average throughput: 222.00 Mbit/s

95th percentile per-packet one-way delay: 60.633 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-01 11:55:53

End at: 2018-07-01 11:56:23

Local clock offset: 0.085 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-07-01 16:08:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.43 Mbit/s

95th percentile per-packet one-way delay: 52.358 ms

Loss rate: 0.00%

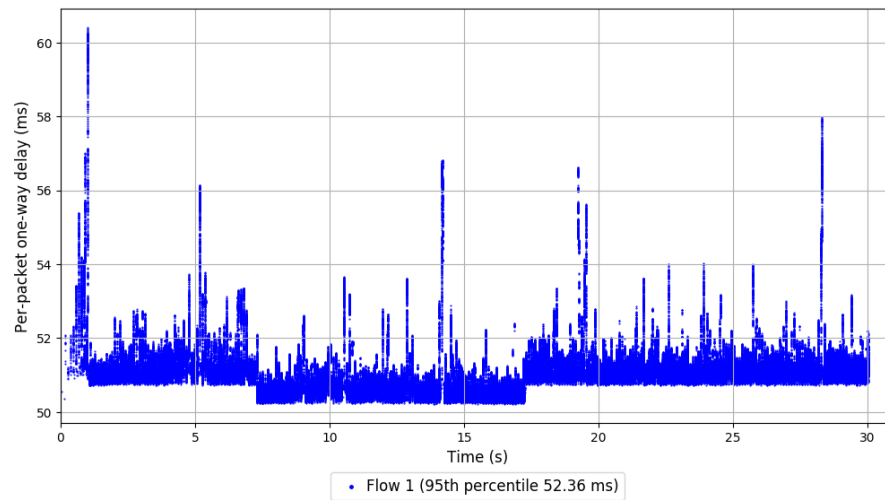
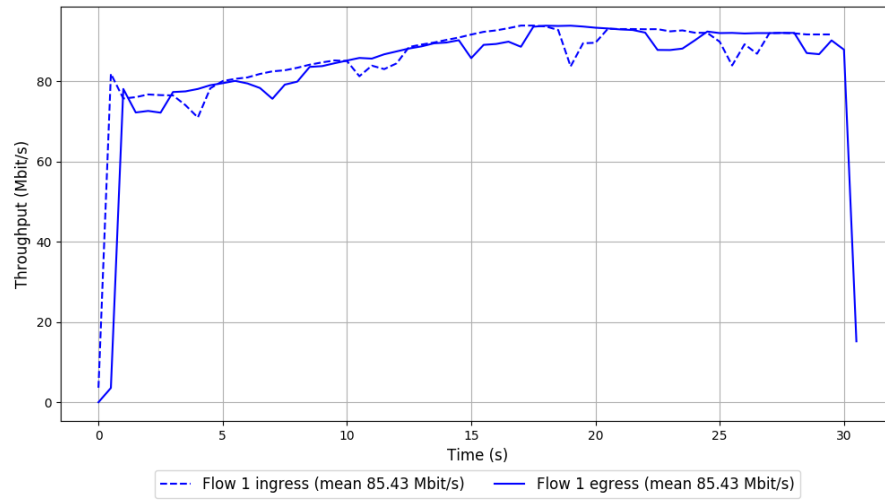
-- Flow 1:

Average throughput: 85.43 Mbit/s

95th percentile per-packet one-way delay: 52.358 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-01 12:17:21

End at: 2018-07-01 12:17:51

Local clock offset: 0.089 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-01 16:08:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 120.25 Mbit/s

95th percentile per-packet one-way delay: 58.149 ms

Loss rate: 0.00%

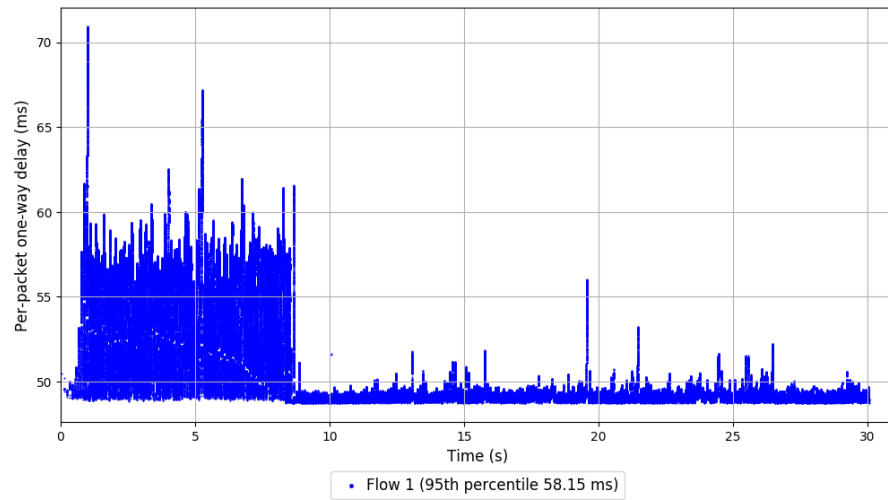
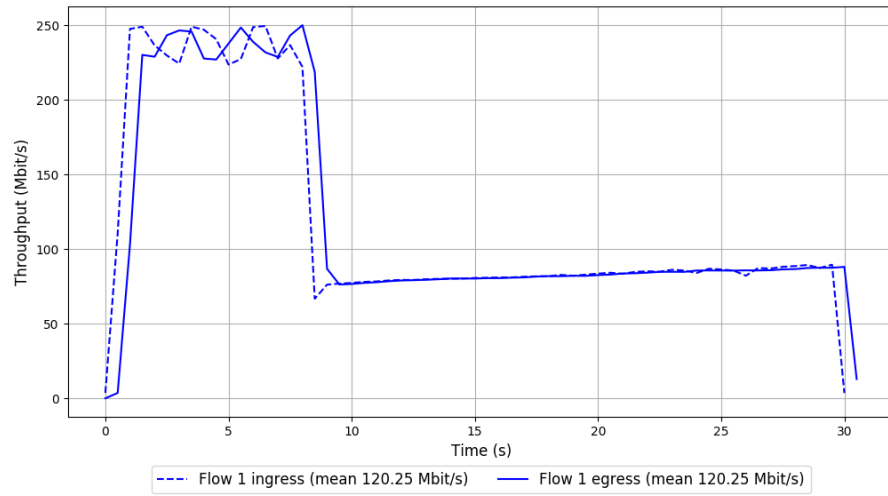
-- Flow 1:

Average throughput: 120.25 Mbit/s

95th percentile per-packet one-way delay: 58.149 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

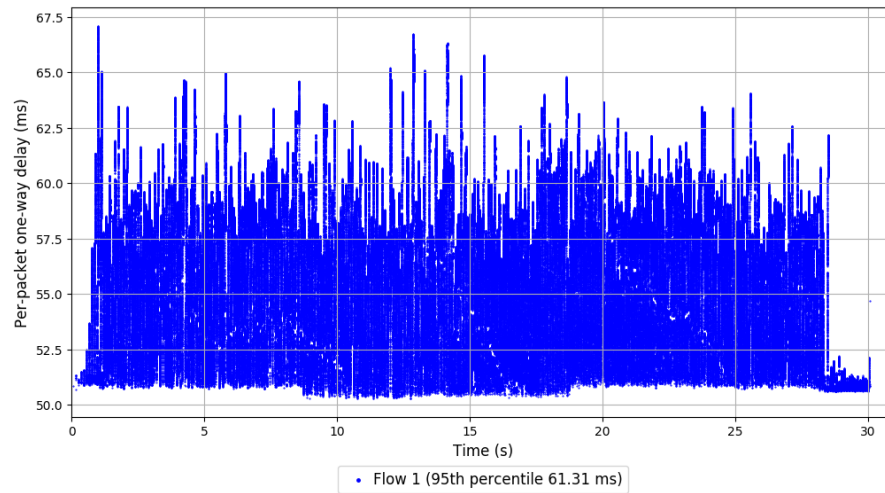
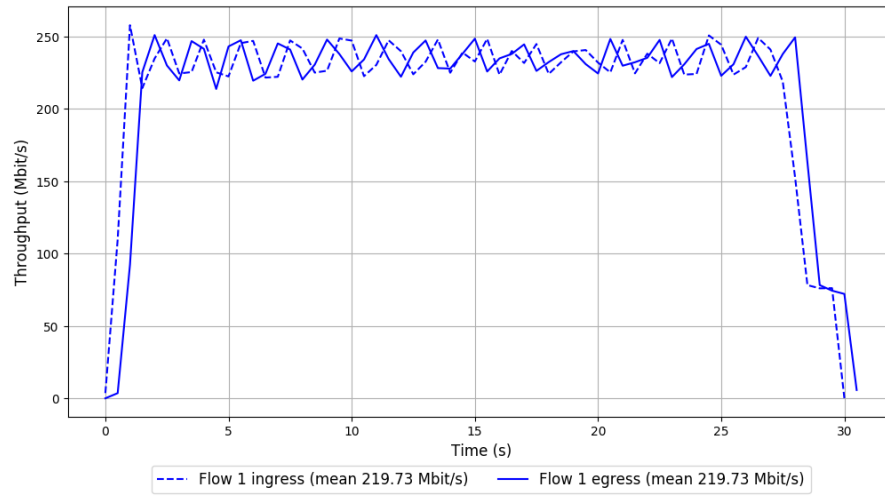


Run 5: Statistics of TCP Vegas

Start at: 2018-07-01 12:39:01
End at: 2018-07-01 12:39:31
Local clock offset: 0.01 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-01 16:09:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.73 Mbit/s
95th percentile per-packet one-way delay: 61.310 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 219.73 Mbit/s
95th percentile per-packet one-way delay: 61.310 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

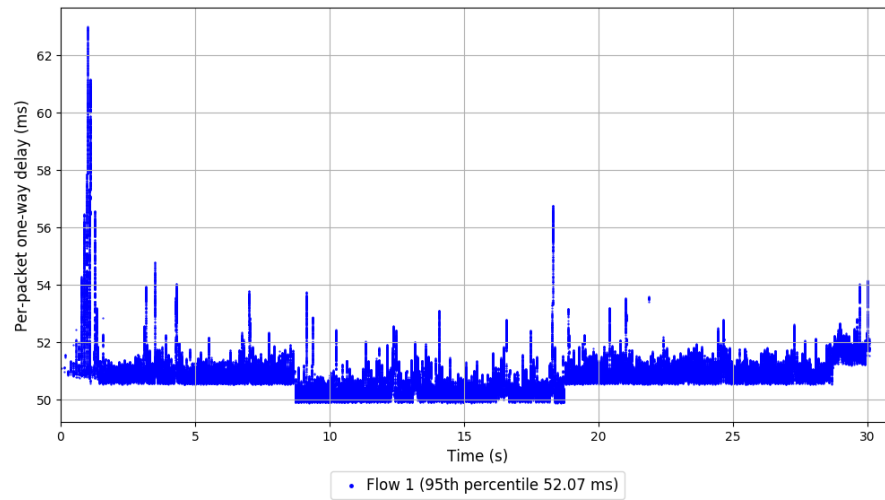
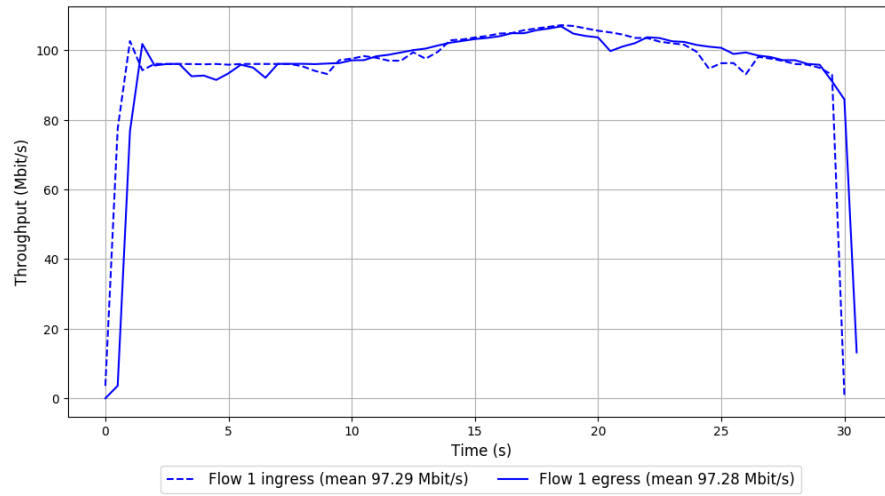


Run 6: Statistics of TCP Vegas

Start at: 2018-07-01 13:00:41
End at: 2018-07-01 13:01:11
Local clock offset: -0.318 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-01 16:09:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 52.070 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 52.070 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

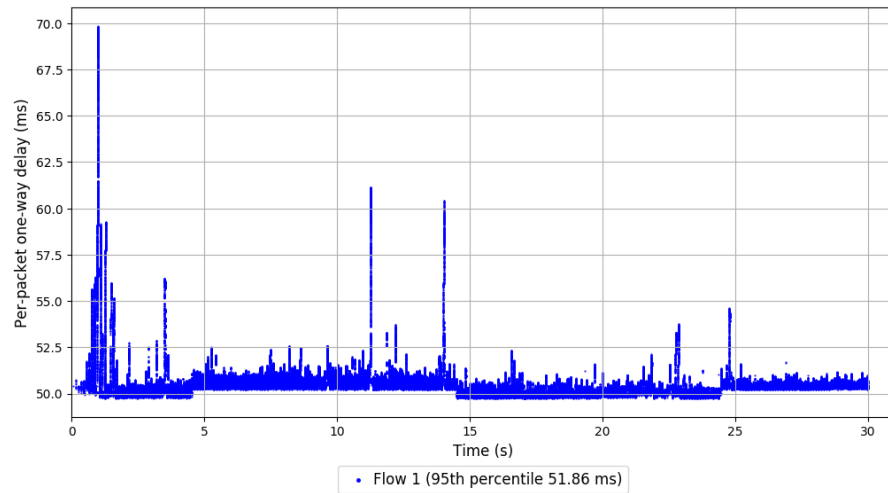
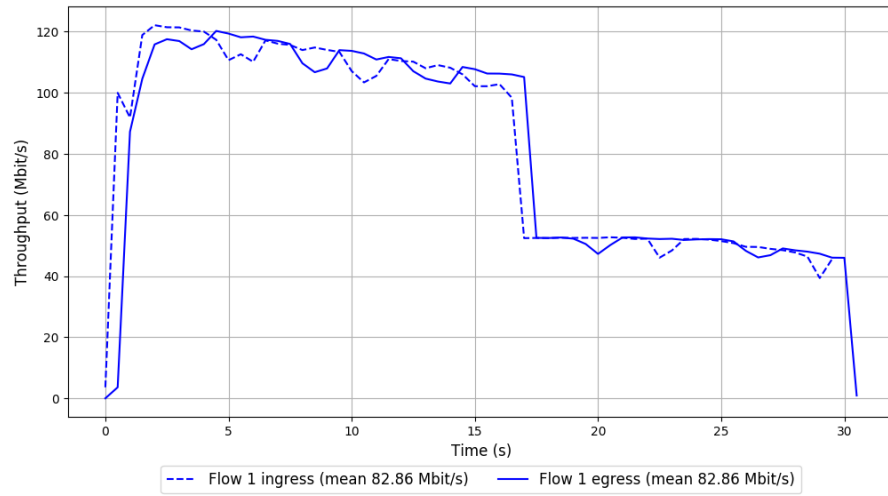


Run 7: Statistics of TCP Vegas

Start at: 2018-07-01 13:22:16
End at: 2018-07-01 13:22:46
Local clock offset: 0.455 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-01 16:09:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.86 Mbit/s
95th percentile per-packet one-way delay: 51.864 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.86 Mbit/s
95th percentile per-packet one-way delay: 51.864 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-01 13:43:45

End at: 2018-07-01 13:44:15

Local clock offset: 0.072 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-01 16:09:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.01 Mbit/s

95th percentile per-packet one-way delay: 52.239 ms

Loss rate: 0.00%

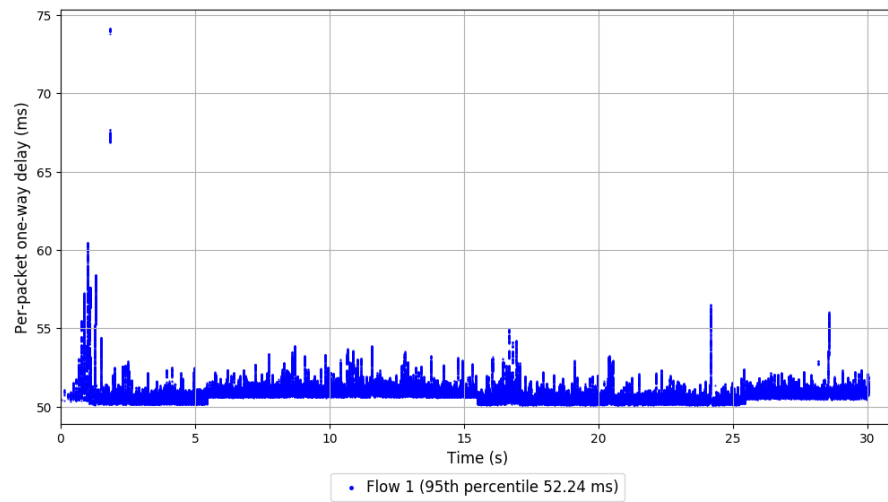
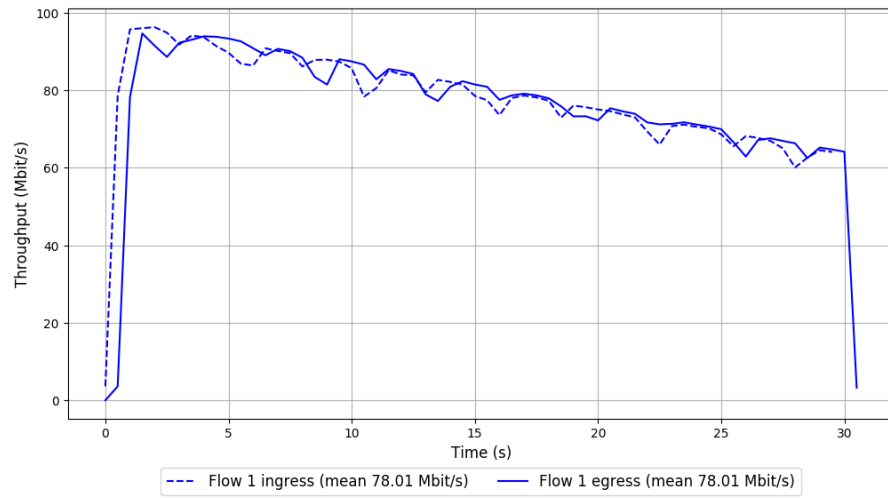
-- Flow 1:

Average throughput: 78.01 Mbit/s

95th percentile per-packet one-way delay: 52.239 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

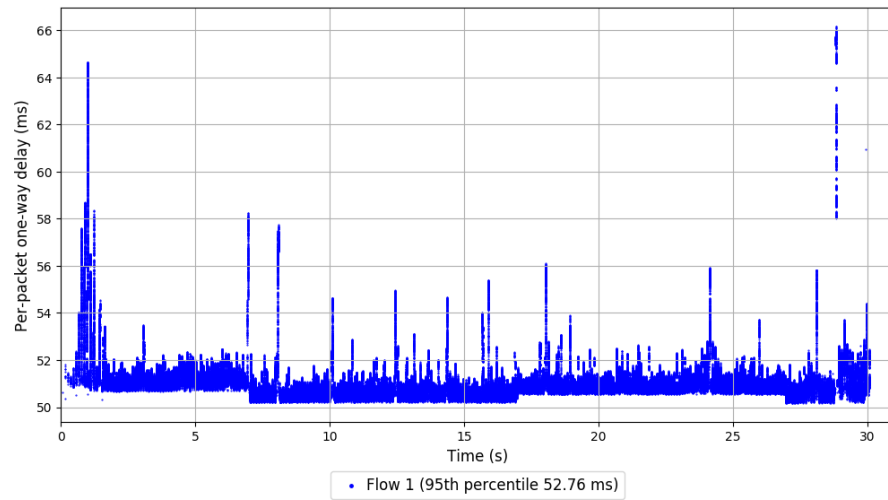
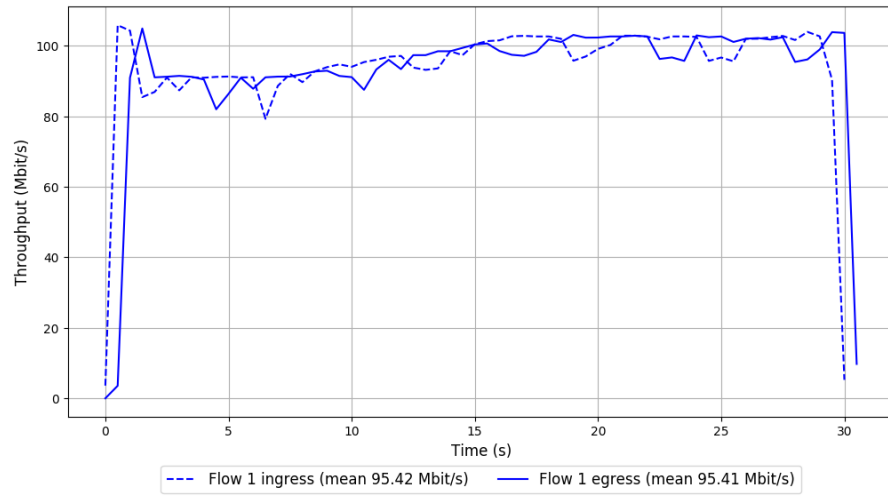


Run 9: Statistics of TCP Vegas

Start at: 2018-07-01 14:05:13
End at: 2018-07-01 14:05:43
Local clock offset: 0.04 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-07-01 16:09:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.41 Mbit/s
95th percentile per-packet one-way delay: 52.758 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 95.41 Mbit/s
95th percentile per-packet one-way delay: 52.758 ms
Loss rate: 0.01%

Run 9: Report of TCP Vegas — Data Link

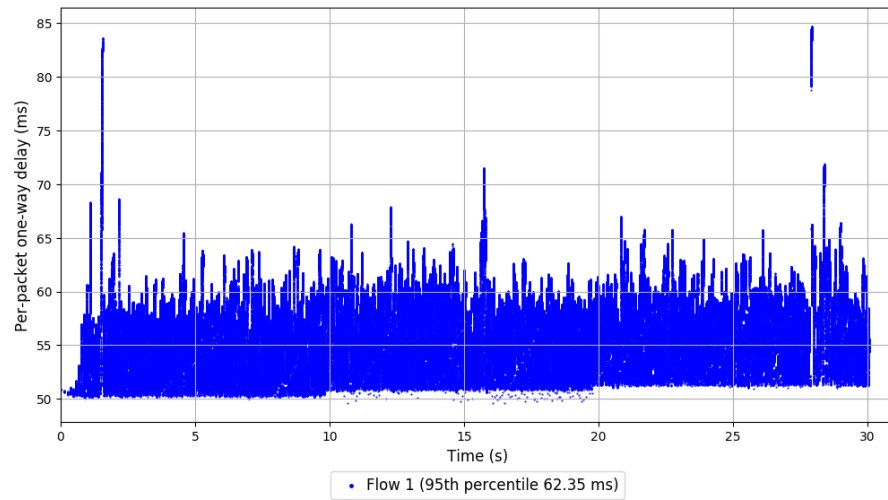
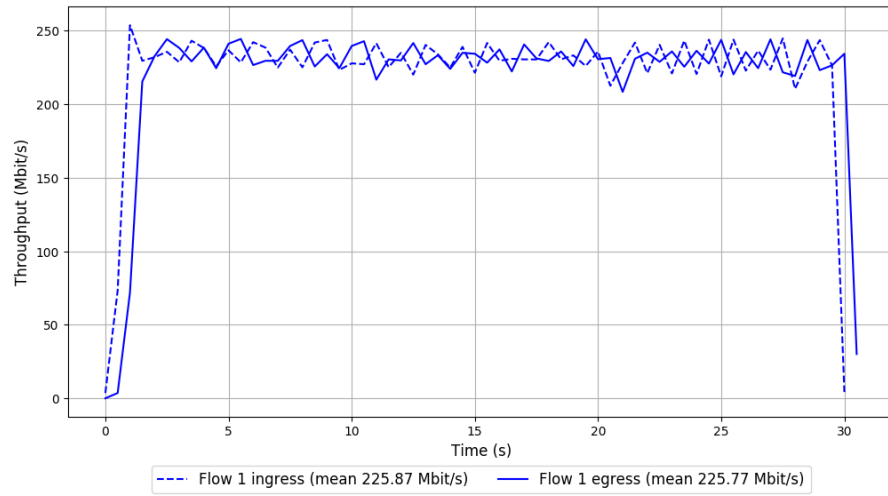


Run 10: Statistics of TCP Vegas

Start at: 2018-07-01 14:26:40
End at: 2018-07-01 14:27:10
Local clock offset: -0.341 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-01 16:11:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 225.77 Mbit/s
95th percentile per-packet one-way delay: 62.351 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 225.77 Mbit/s
95th percentile per-packet one-way delay: 62.351 ms
Loss rate: 0.04%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-01 11:19:01

End at: 2018-07-01 11:19:31

Local clock offset: 0.061 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-07-01 16:12:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 271.81 Mbit/s

95th percentile per-packet one-way delay: 91.099 ms

Loss rate: 1.85%

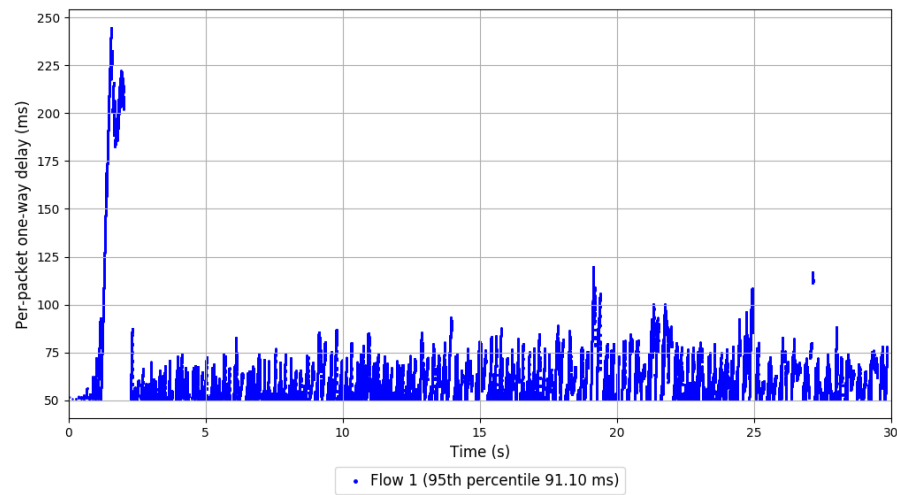
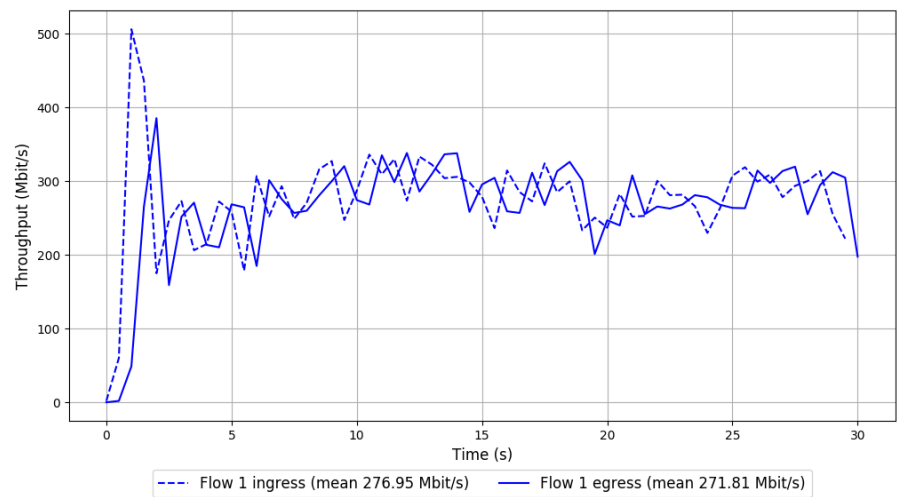
-- Flow 1:

Average throughput: 271.81 Mbit/s

95th percentile per-packet one-way delay: 91.099 ms

Loss rate: 1.85%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-07-01 11:40:43

End at: 2018-07-01 11:41:13

Local clock offset: -0.002 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-07-01 16:12:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 244.35 Mbit/s

95th percentile per-packet one-way delay: 87.135 ms

Loss rate: 0.14%

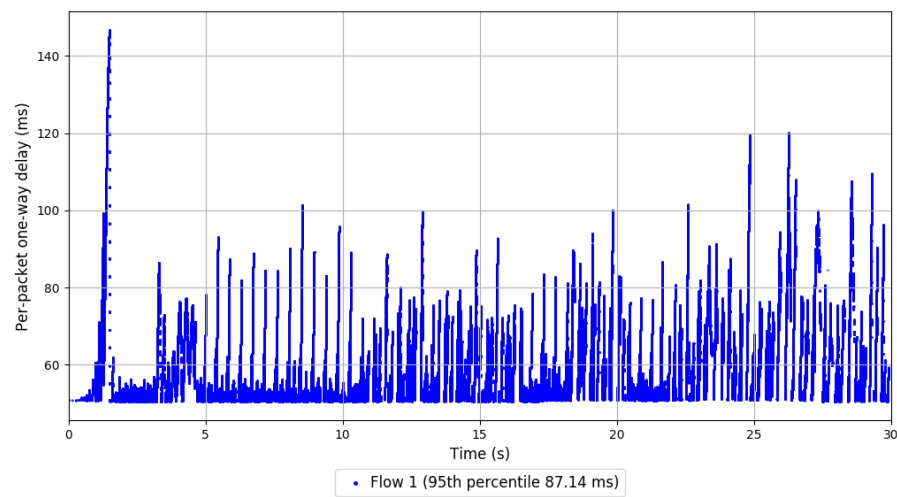
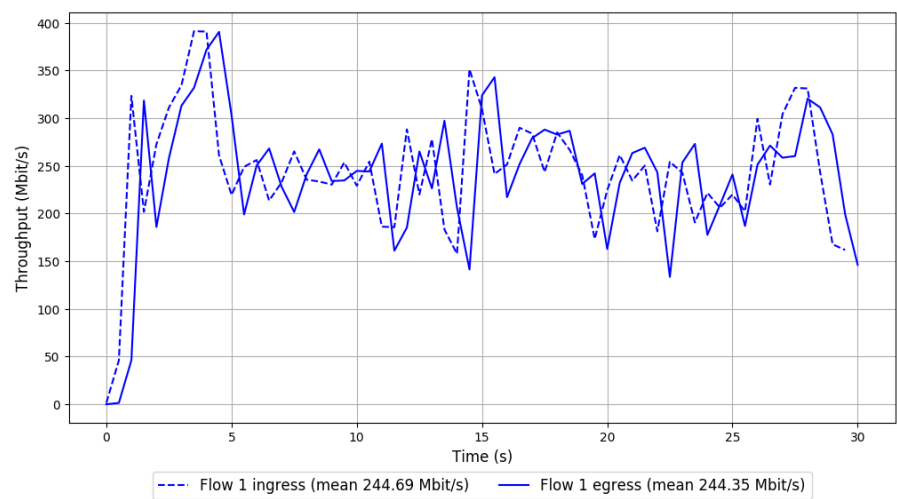
-- Flow 1:

Average throughput: 244.35 Mbit/s

95th percentile per-packet one-way delay: 87.135 ms

Loss rate: 0.14%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-01 12:02:17

End at: 2018-07-01 12:02:47

Local clock offset: -0.262 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-07-01 16:13:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 295.11 Mbit/s

95th percentile per-packet one-way delay: 89.024 ms

Loss rate: 1.68%

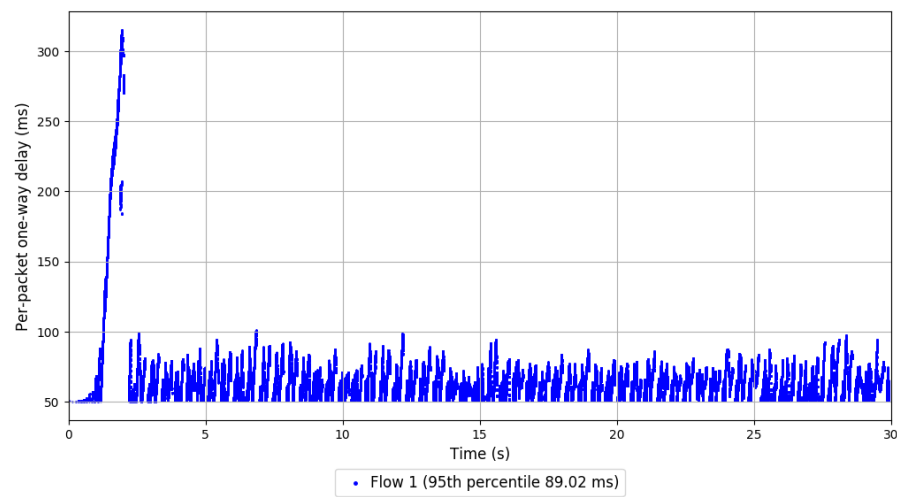
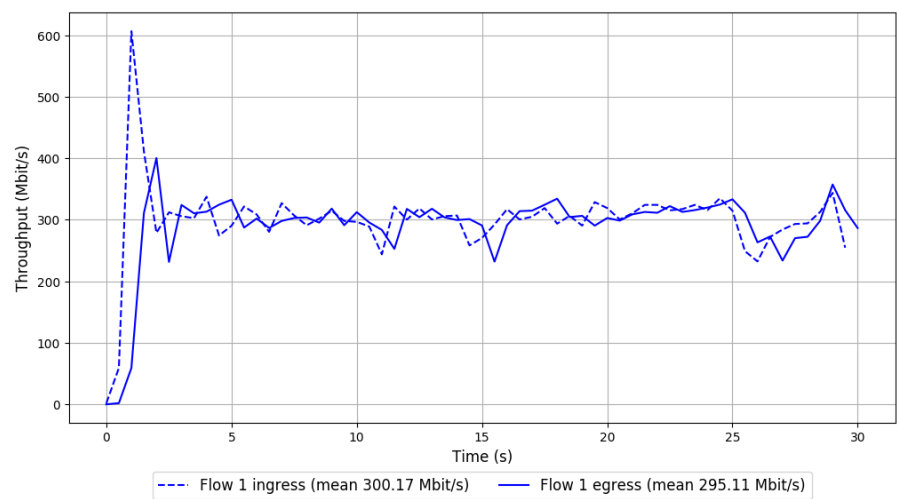
-- Flow 1:

Average throughput: 295.11 Mbit/s

95th percentile per-packet one-way delay: 89.024 ms

Loss rate: 1.68%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-01 12:23:52

End at: 2018-07-01 12:24:22

Local clock offset: -0.35 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-07-01 16:13:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 240.66 Mbit/s

95th percentile per-packet one-way delay: 85.431 ms

Loss rate: 1.00%

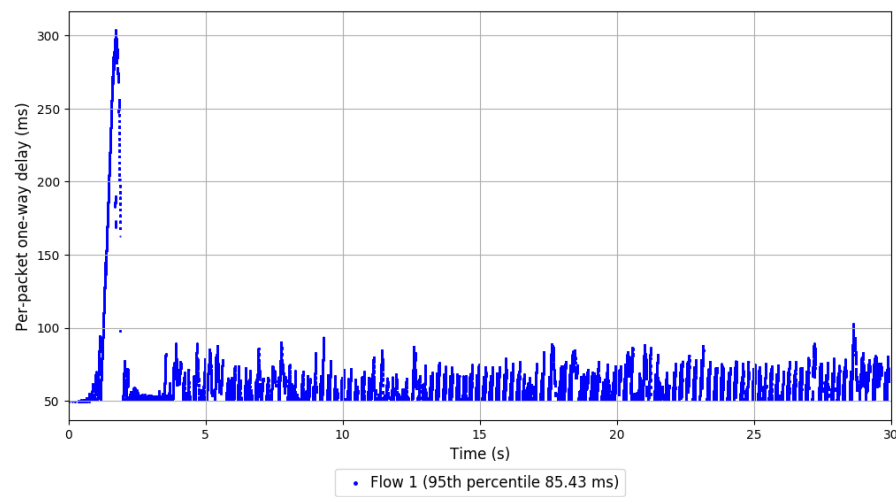
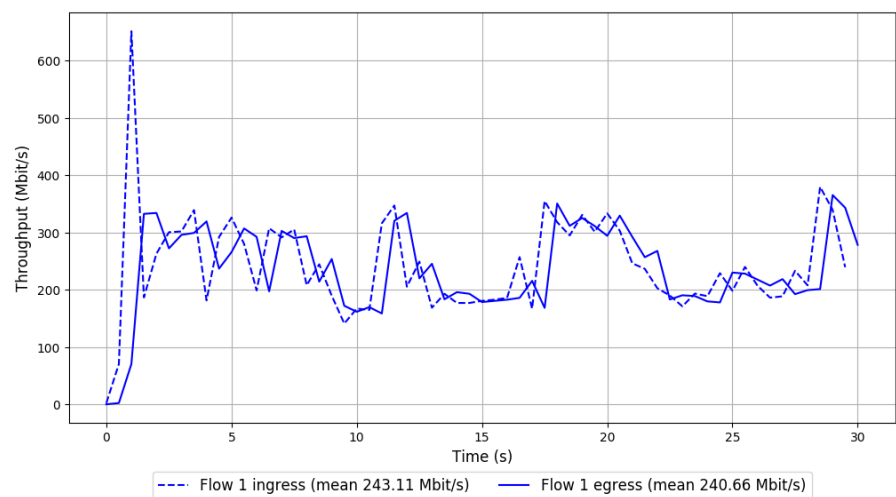
-- Flow 1:

Average throughput: 240.66 Mbit/s

95th percentile per-packet one-way delay: 85.431 ms

Loss rate: 1.00%

Run 4: Report of Verus — Data Link

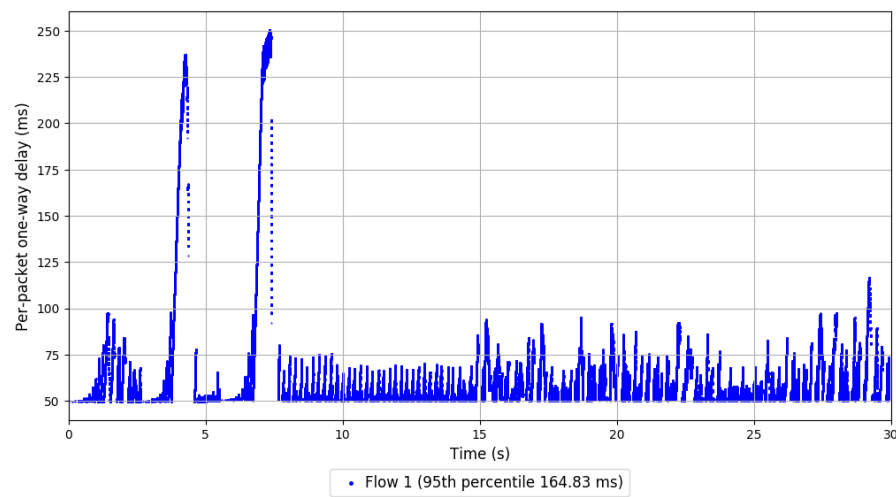
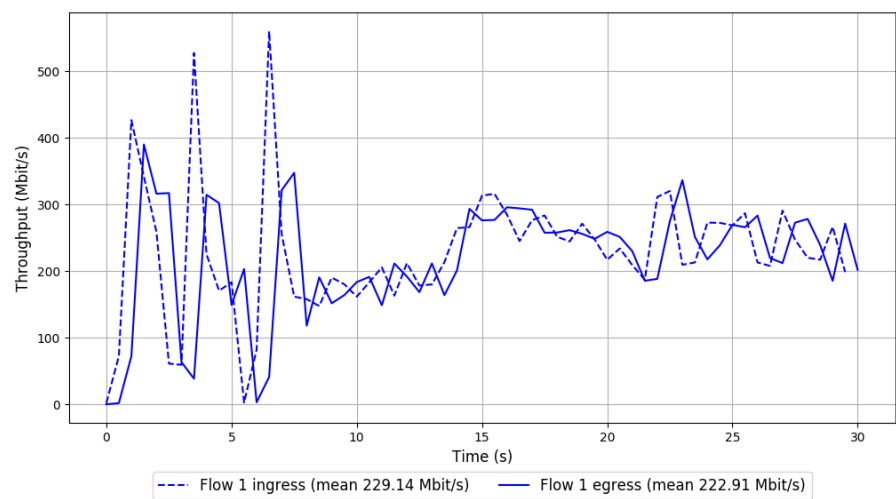


Run 5: Statistics of Verus

Start at: 2018-07-01 12:45:35
End at: 2018-07-01 12:46:05
Local clock offset: 0.05 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-01 16:13:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.91 Mbit/s
95th percentile per-packet one-way delay: 164.832 ms
Loss rate: 2.71%
-- Flow 1:
Average throughput: 222.91 Mbit/s
95th percentile per-packet one-way delay: 164.832 ms
Loss rate: 2.71%

Run 5: Report of Verus — Data Link

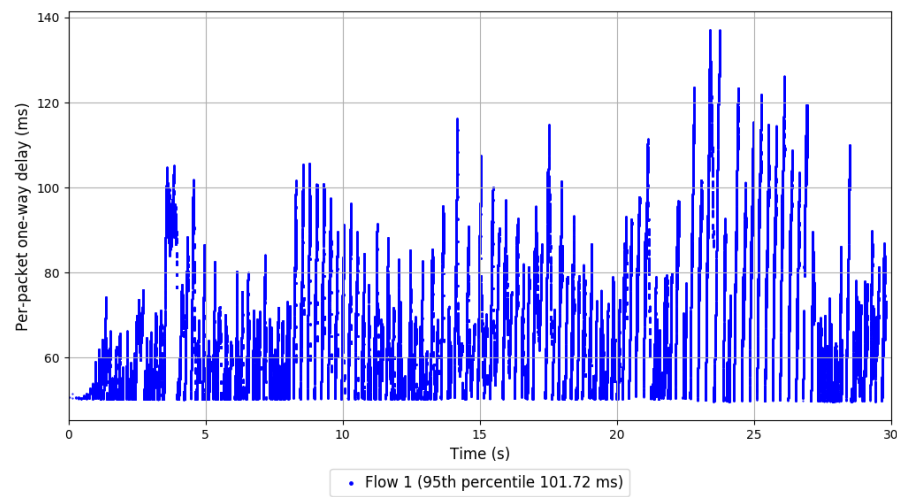
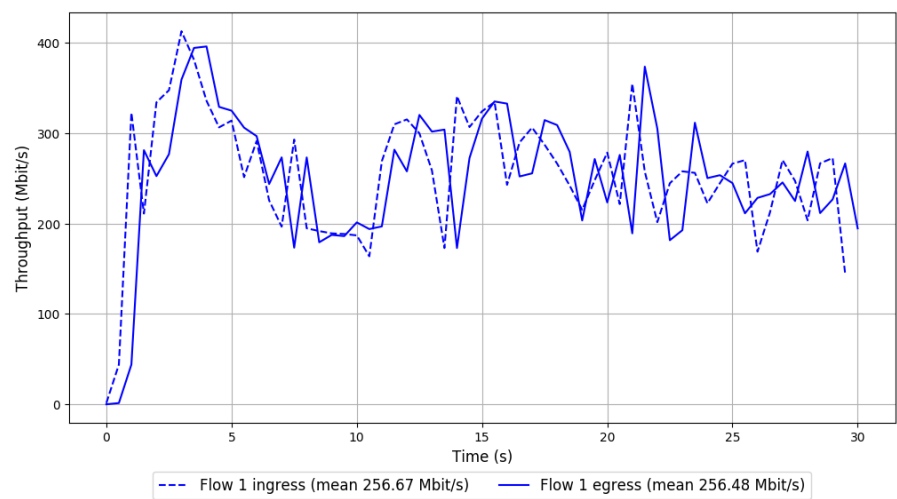


Run 6: Statistics of Verus

Start at: 2018-07-01 13:07:07
End at: 2018-07-01 13:07:37
Local clock offset: 0.091 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-07-01 16:13:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 256.48 Mbit/s
95th percentile per-packet one-way delay: 101.717 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 256.48 Mbit/s
95th percentile per-packet one-way delay: 101.717 ms
Loss rate: 0.00%

Run 6: Report of Verus — Data Link

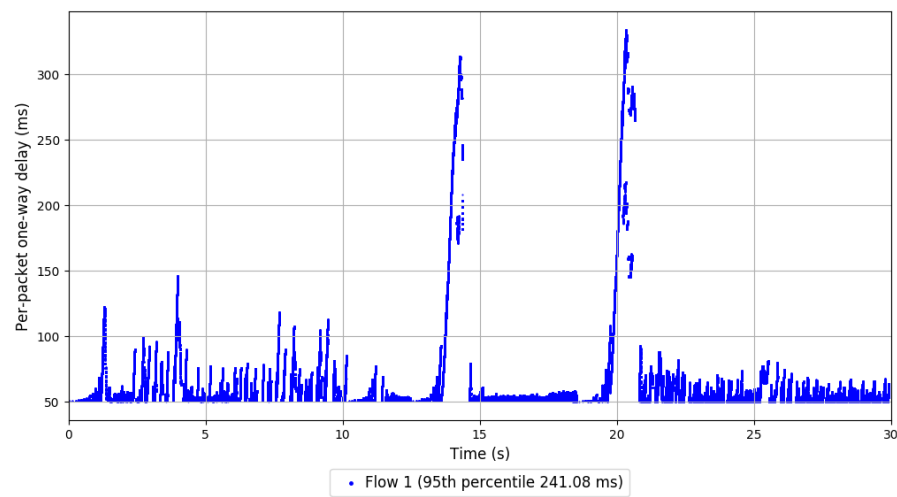
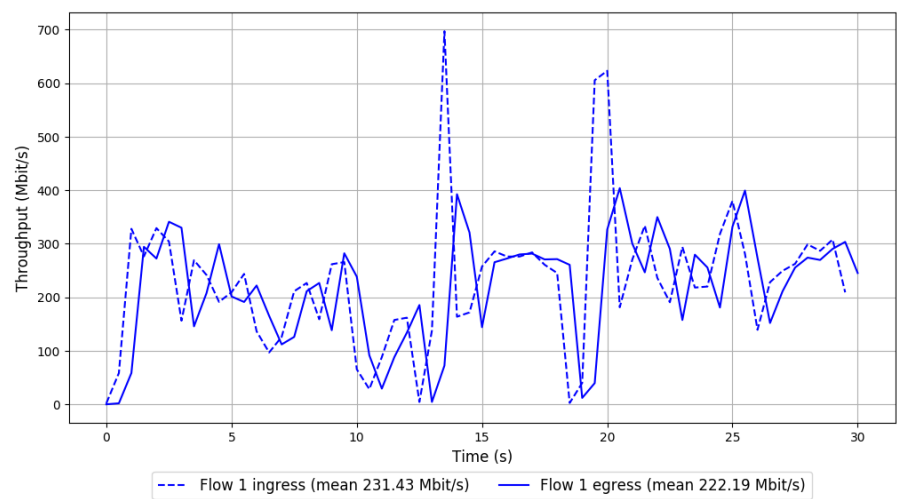


Run 7: Statistics of Verus

Start at: 2018-07-01 13:28:42
End at: 2018-07-01 13:29:12
Local clock offset: 0.425 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-01 16:13:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.19 Mbit/s
95th percentile per-packet one-way delay: 241.079 ms
Loss rate: 3.99%
-- Flow 1:
Average throughput: 222.19 Mbit/s
95th percentile per-packet one-way delay: 241.079 ms
Loss rate: 3.99%

Run 7: Report of Verus — Data Link

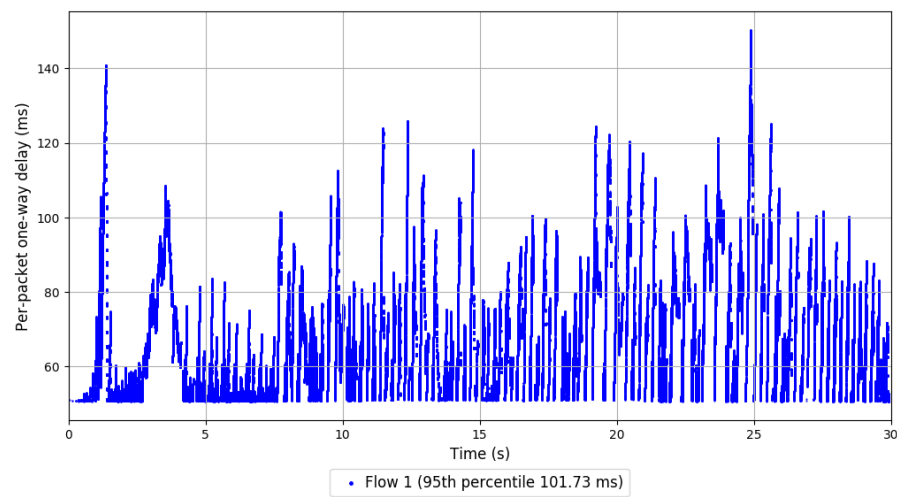
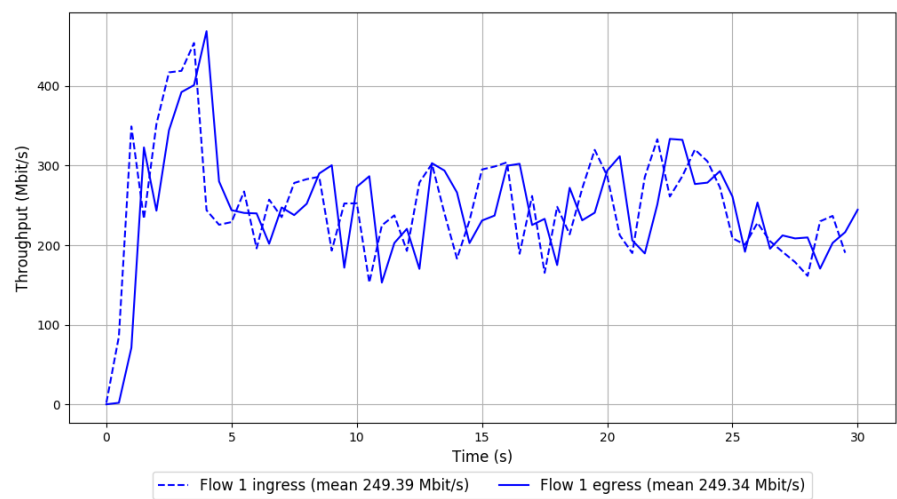


Run 8: Statistics of Verus

Start at: 2018-07-01 13:50:09
End at: 2018-07-01 13:50:39
Local clock offset: 0.055 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-01 16:15:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 249.34 Mbit/s
95th percentile per-packet one-way delay: 101.733 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 249.34 Mbit/s
95th percentile per-packet one-way delay: 101.733 ms
Loss rate: 0.02%

Run 8: Report of Verus — Data Link

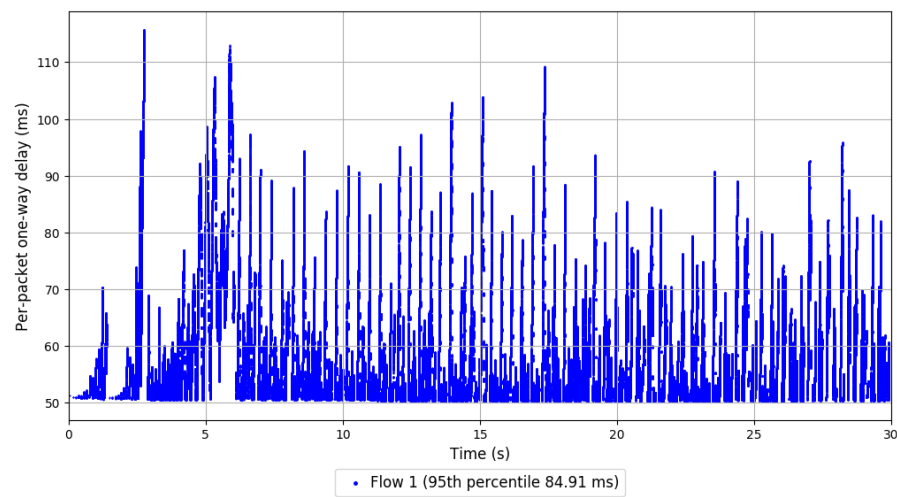
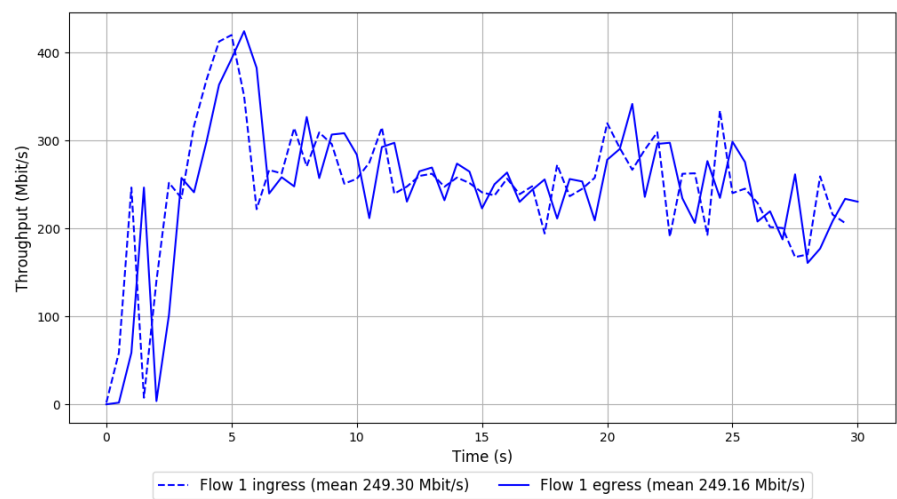


Run 9: Statistics of Verus

Start at: 2018-07-01 14:11:39
End at: 2018-07-01 14:12:09
Local clock offset: 0.044 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-07-01 16:16:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 249.16 Mbit/s
95th percentile per-packet one-way delay: 84.913 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 249.16 Mbit/s
95th percentile per-packet one-way delay: 84.913 ms
Loss rate: 0.06%

Run 9: Report of Verus — Data Link

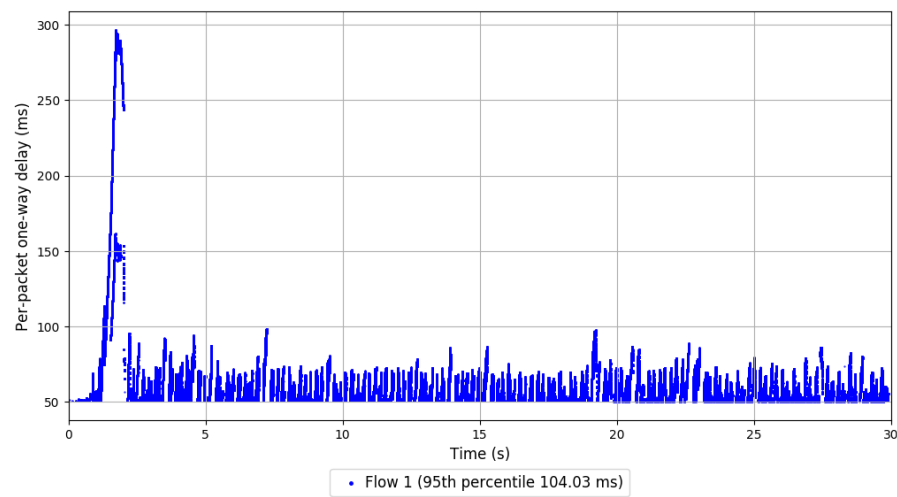
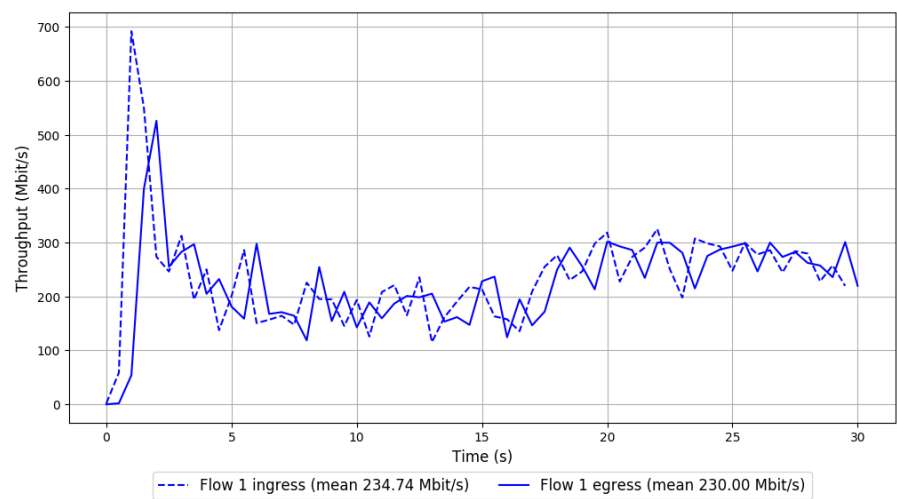


Run 10: Statistics of Verus

Start at: 2018-07-01 14:33:10
End at: 2018-07-01 14:33:40
Local clock offset: 0.055 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-07-01 16:16:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 230.00 Mbit/s
95th percentile per-packet one-way delay: 104.029 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 230.00 Mbit/s
95th percentile per-packet one-way delay: 104.029 ms
Loss rate: 2.01%

Run 10: Report of Verus — Data Link

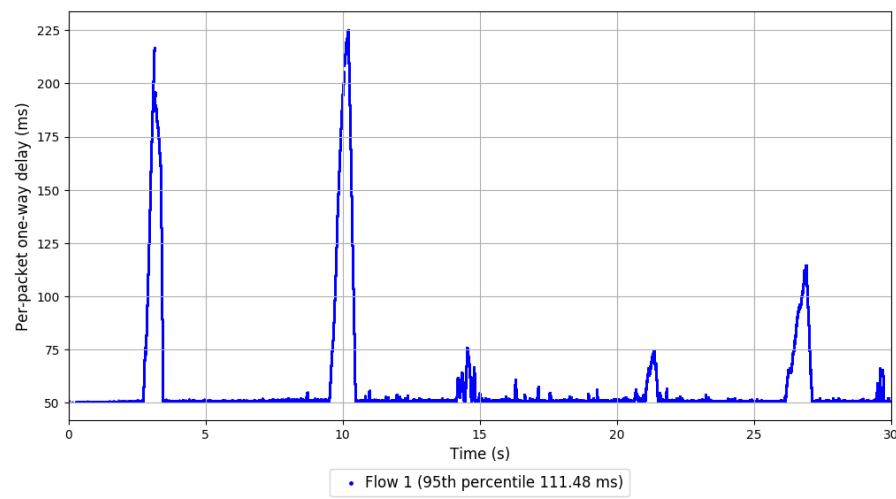
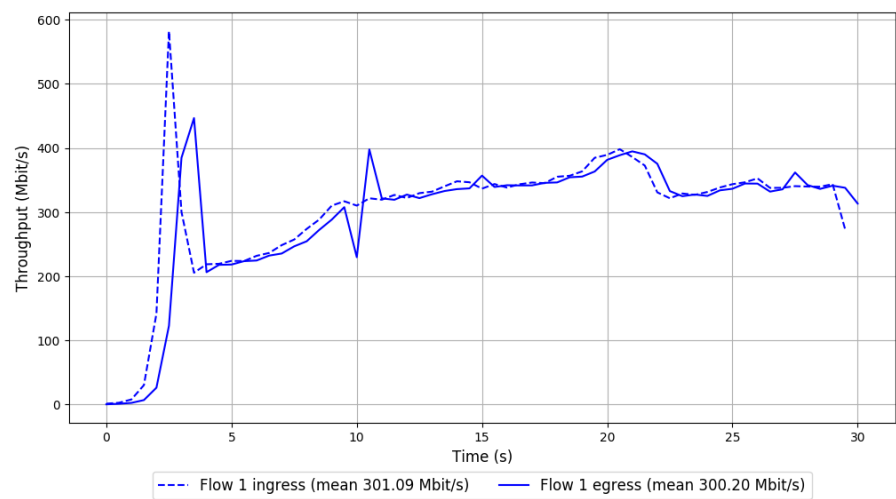


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-01 11:27:46
End at: 2018-07-01 11:28:17
Local clock offset: -0.339 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-01 16:17:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 300.20 Mbit/s
95th percentile per-packet one-way delay: 111.484 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 300.20 Mbit/s
95th percentile per-packet one-way delay: 111.484 ms
Loss rate: 0.30%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-01 11:49:28

End at: 2018-07-01 11:49:58

Local clock offset: 0.09 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-07-01 16:18:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 365.24 Mbit/s

95th percentile per-packet one-way delay: 122.993 ms

Loss rate: 0.00%

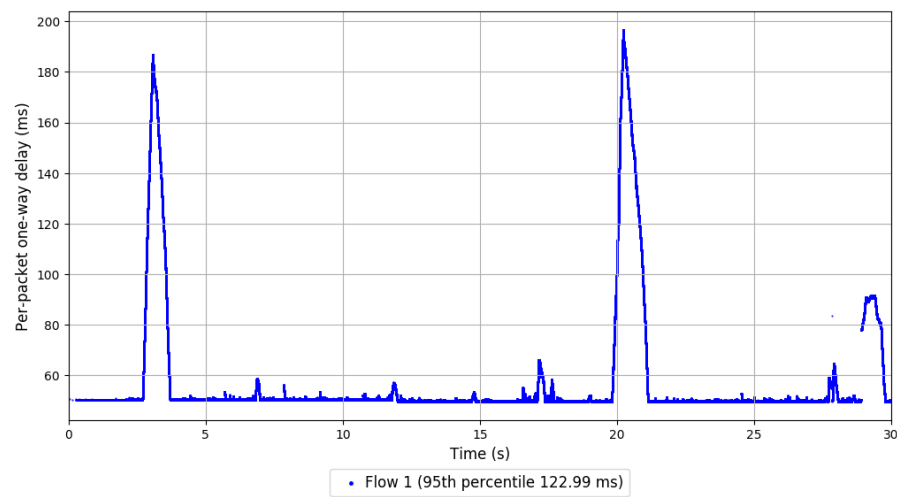
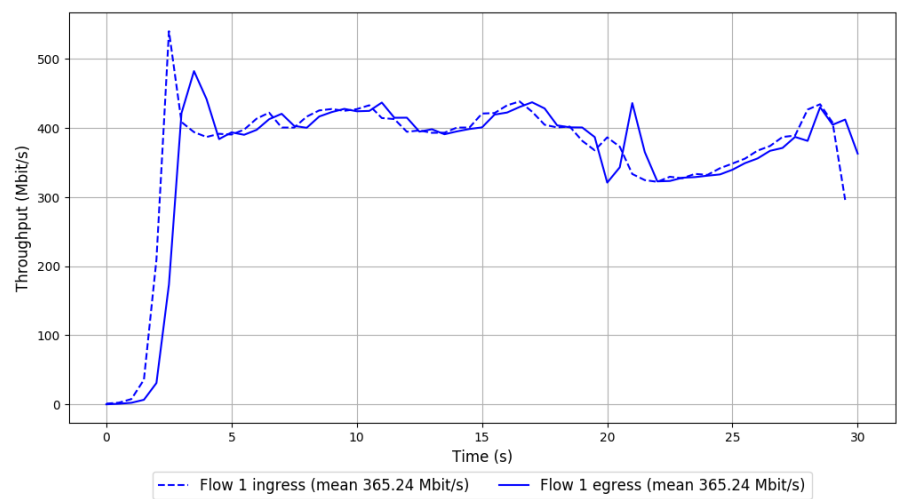
-- Flow 1:

Average throughput: 365.24 Mbit/s

95th percentile per-packet one-way delay: 122.993 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-01 12:11:07

End at: 2018-07-01 12:11:37

Local clock offset: 0.057 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-07-01 16:18:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 283.67 Mbit/s

95th percentile per-packet one-way delay: 60.063 ms

Loss rate: 0.01%

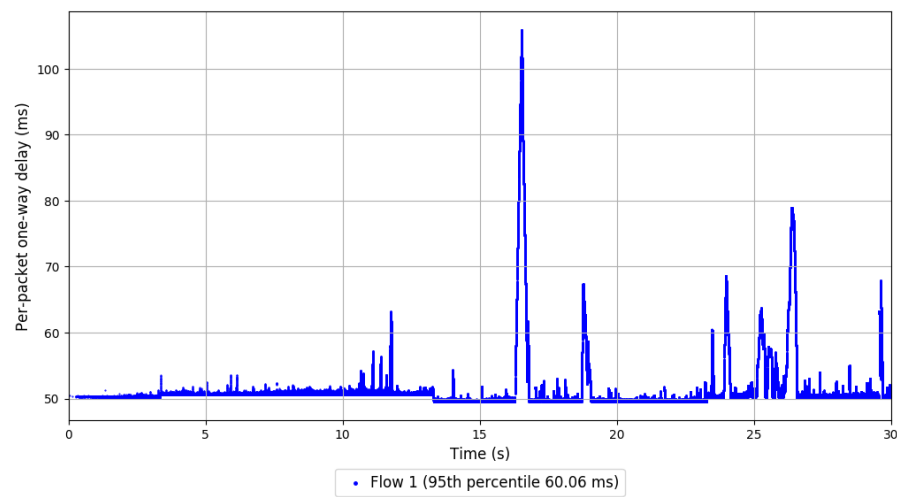
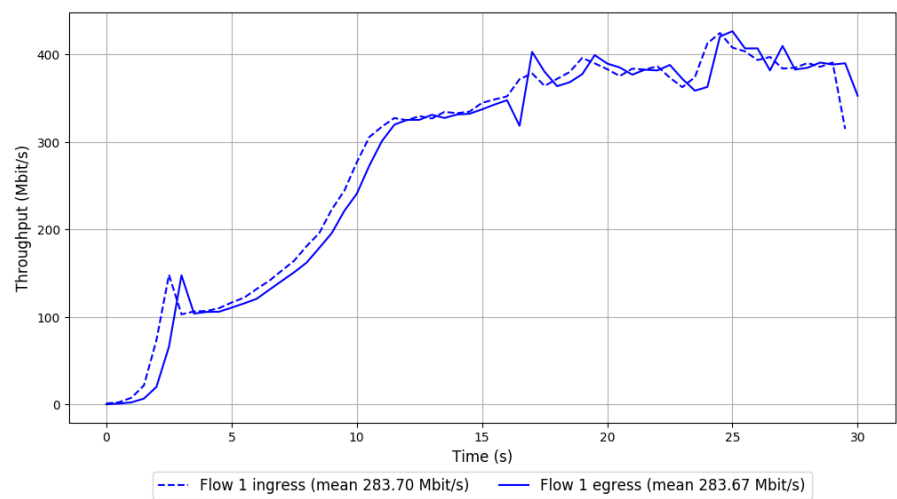
-- Flow 1:

Average throughput: 283.67 Mbit/s

95th percentile per-packet one-way delay: 60.063 ms

Loss rate: 0.01%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-01 12:32:36

End at: 2018-07-01 12:33:06

Local clock offset: 0.404 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-07-01 16:19:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 333.06 Mbit/s

95th percentile per-packet one-way delay: 104.875 ms

Loss rate: 0.00%

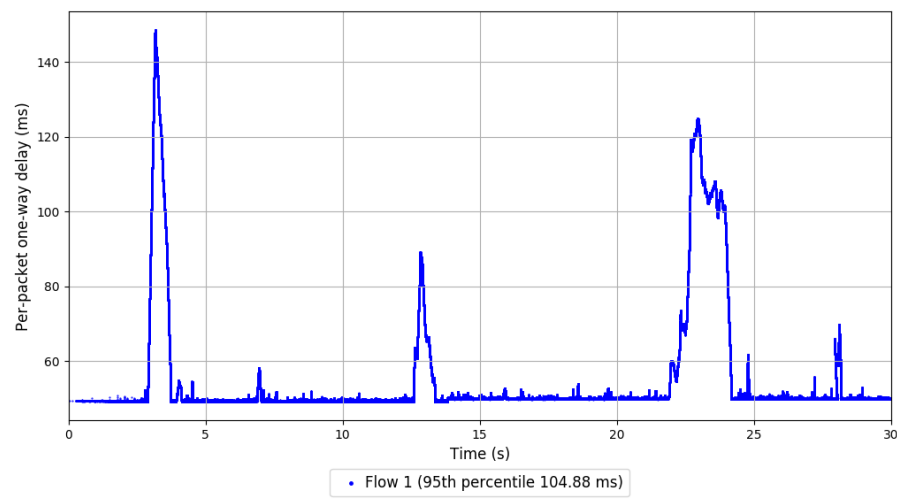
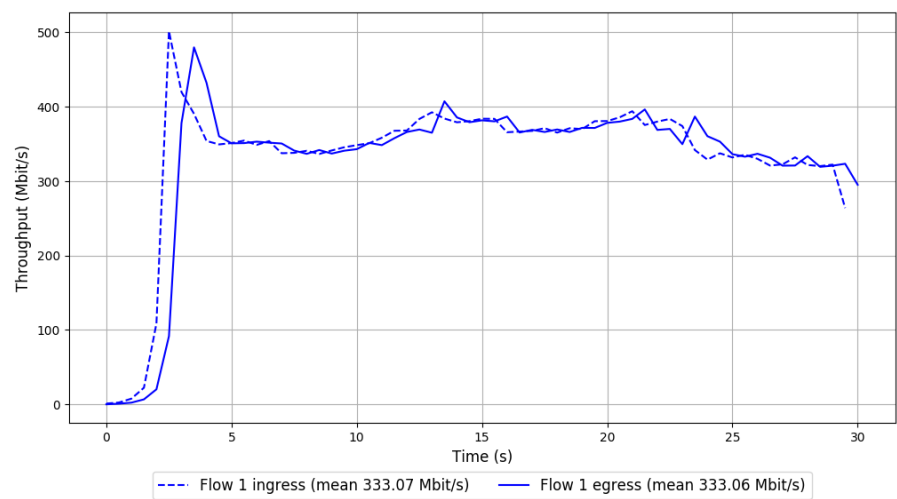
-- Flow 1:

Average throughput: 333.06 Mbit/s

95th percentile per-packet one-way delay: 104.875 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

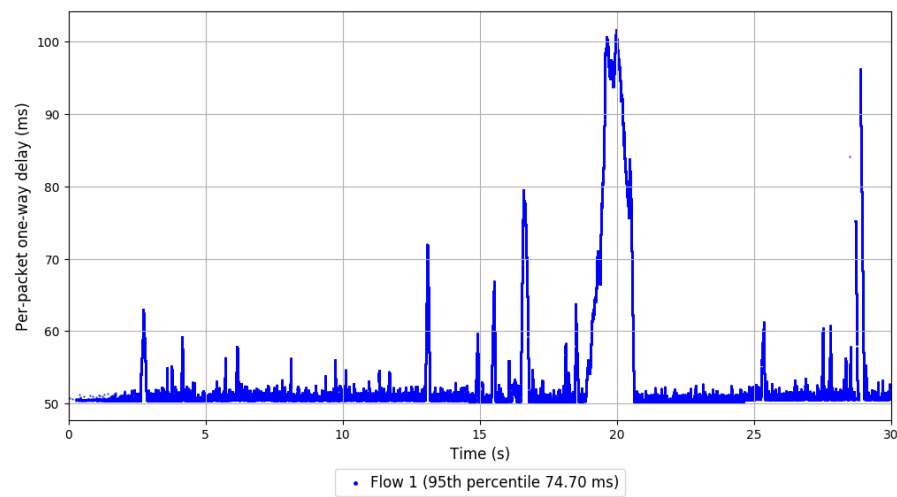
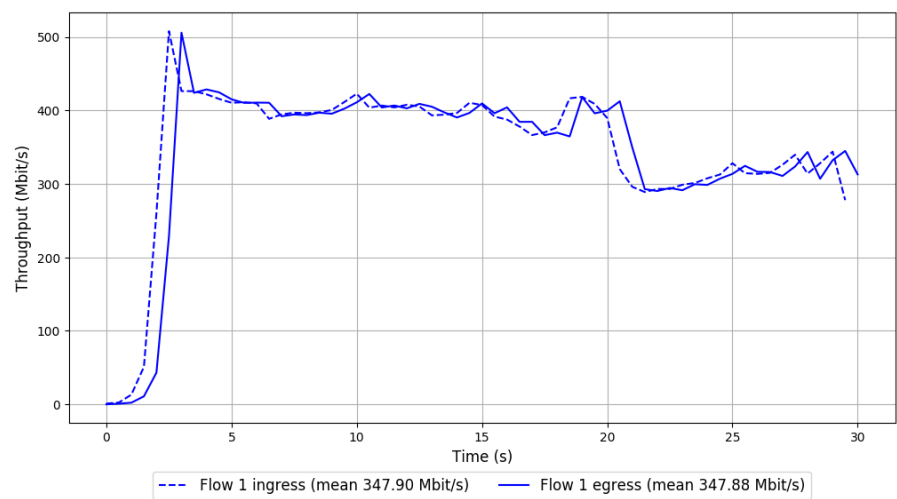


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-01 12:54:15
End at: 2018-07-01 12:54:45
Local clock offset: 0.079 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-01 16:19:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 347.88 Mbit/s
95th percentile per-packet one-way delay: 74.697 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 347.88 Mbit/s
95th percentile per-packet one-way delay: 74.697 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

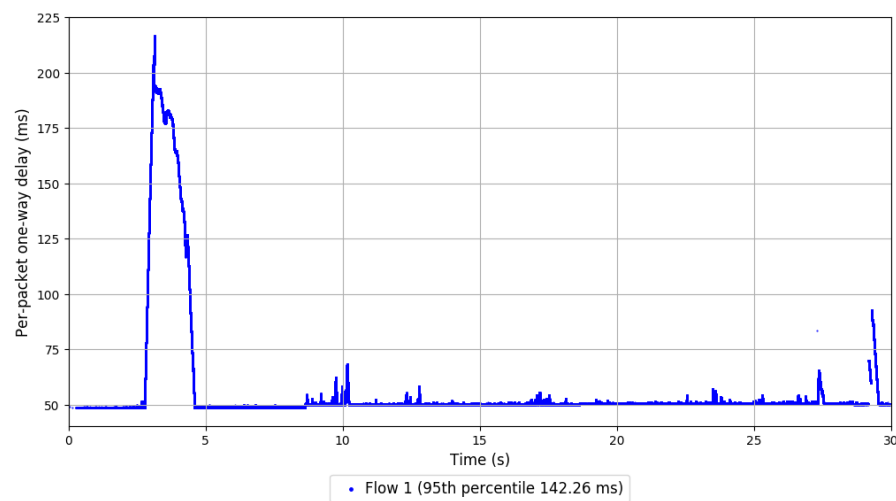
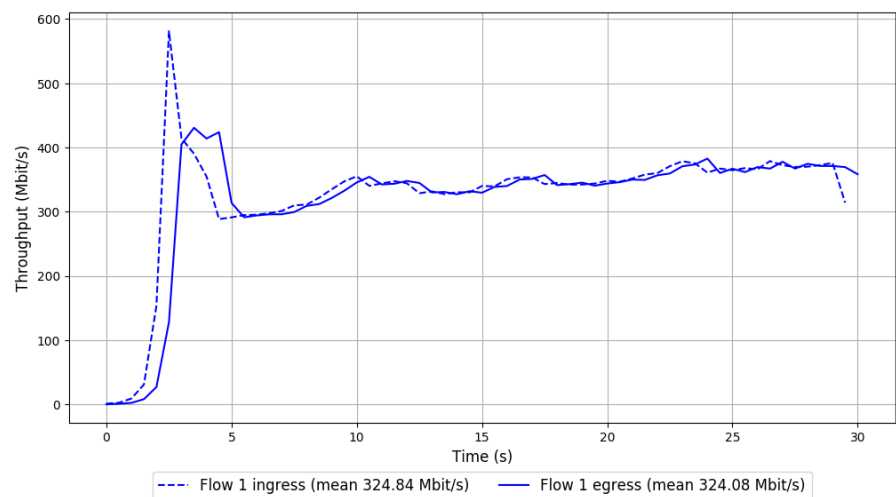


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-01 13:15:51
End at: 2018-07-01 13:16:21
Local clock offset: 0.05 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-01 16:20:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 324.08 Mbit/s
95th percentile per-packet one-way delay: 142.257 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 324.08 Mbit/s
95th percentile per-packet one-way delay: 142.257 ms
Loss rate: 0.23%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-01 13:37:22

End at: 2018-07-01 13:37:52

Local clock offset: 0.009 ms

Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-01 16:21:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 336.53 Mbit/s

95th percentile per-packet one-way delay: 83.484 ms

Loss rate: 0.10%

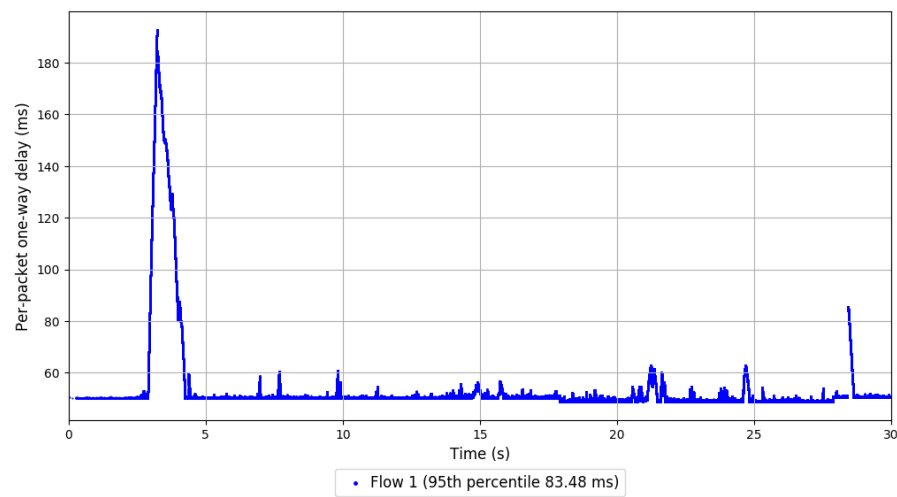
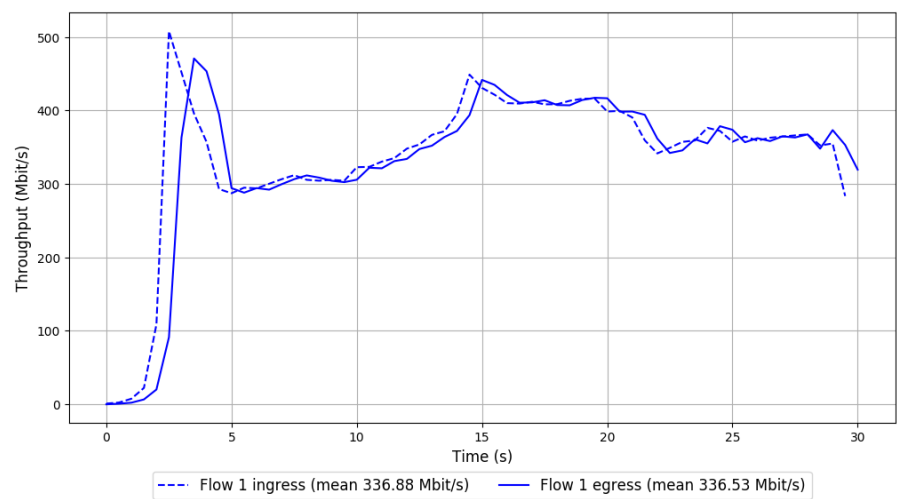
-- Flow 1:

Average throughput: 336.53 Mbit/s

95th percentile per-packet one-way delay: 83.484 ms

Loss rate: 0.10%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-01 13:58:54

End at: 2018-07-01 13:59:25

Local clock offset: 0.093 ms

Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-07-01 16:21:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 307.45 Mbit/s

95th percentile per-packet one-way delay: 54.647 ms

Loss rate: 0.00%

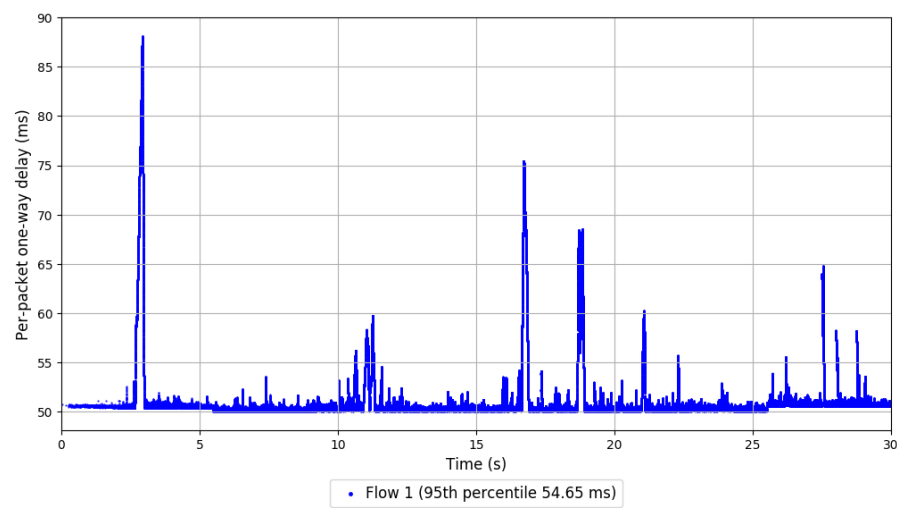
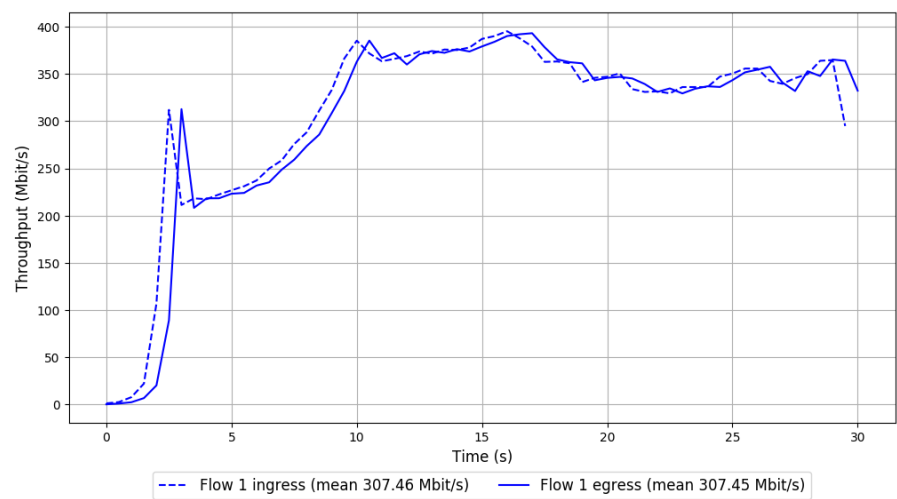
-- Flow 1:

Average throughput: 307.45 Mbit/s

95th percentile per-packet one-way delay: 54.647 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

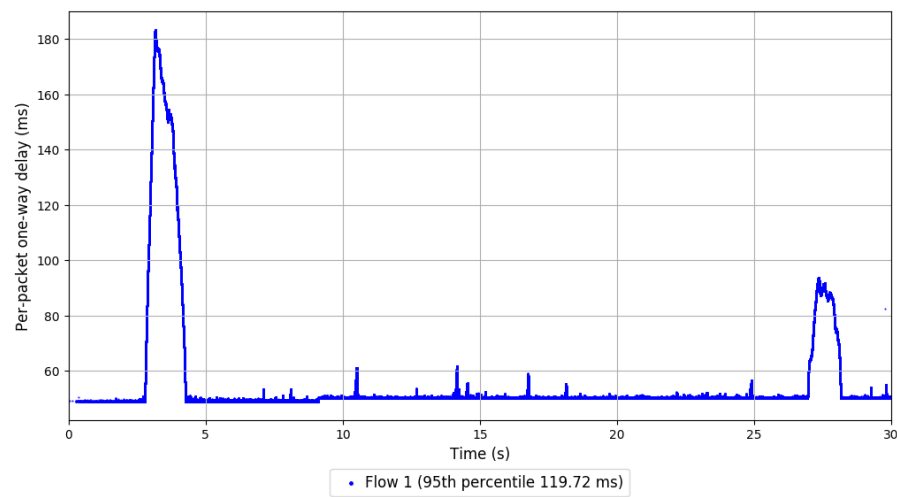
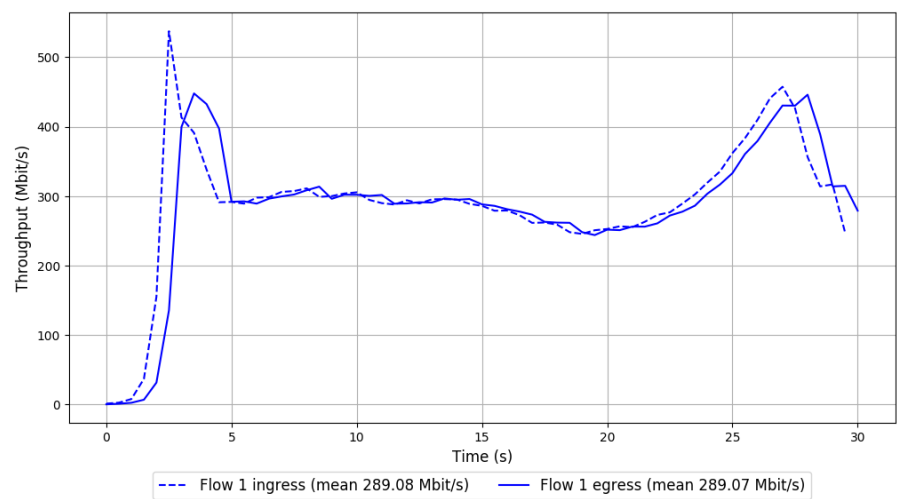


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-01 14:20:21
End at: 2018-07-01 14:20:51
Local clock offset: 0.092 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-01 16:21:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 289.07 Mbit/s
95th percentile per-packet one-way delay: 119.715 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 289.07 Mbit/s
95th percentile per-packet one-way delay: 119.715 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link

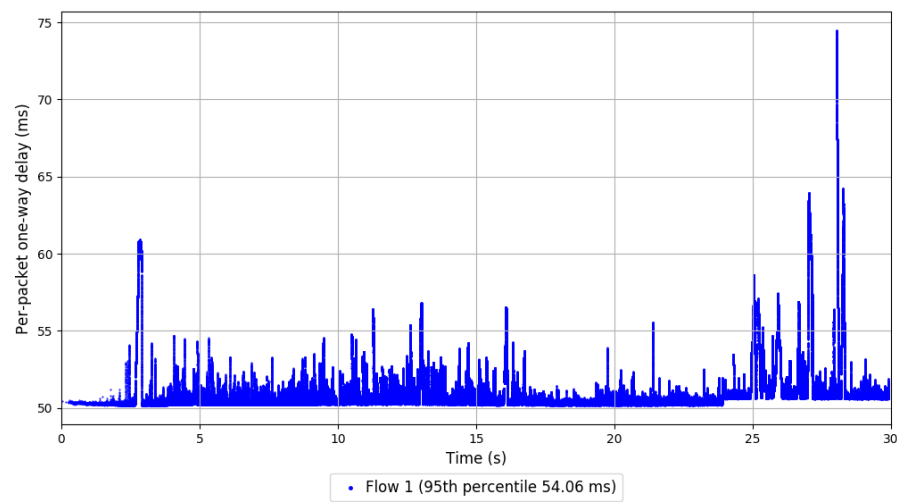
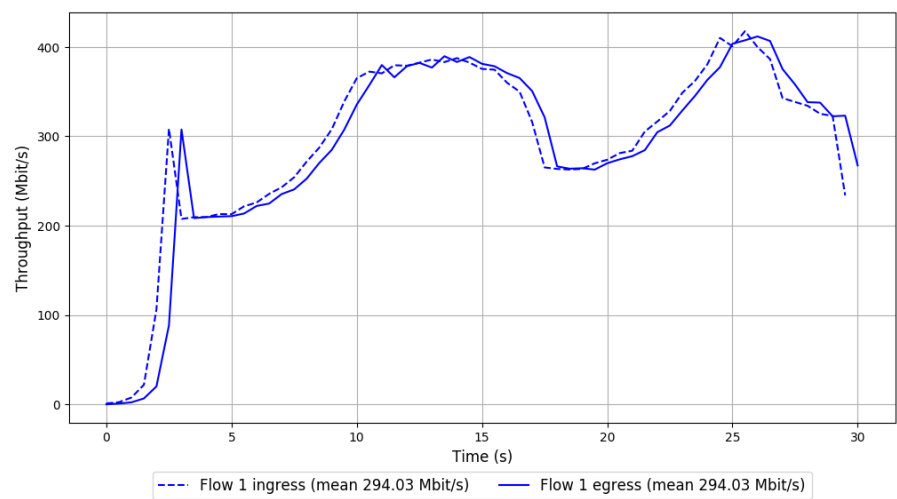


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-01 14:41:56
End at: 2018-07-01 14:42:26
Local clock offset: -0.032 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-07-01 16:21:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 294.03 Mbit/s
95th percentile per-packet one-way delay: 54.061 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 294.03 Mbit/s
95th percentile per-packet one-way delay: 54.061 ms
Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

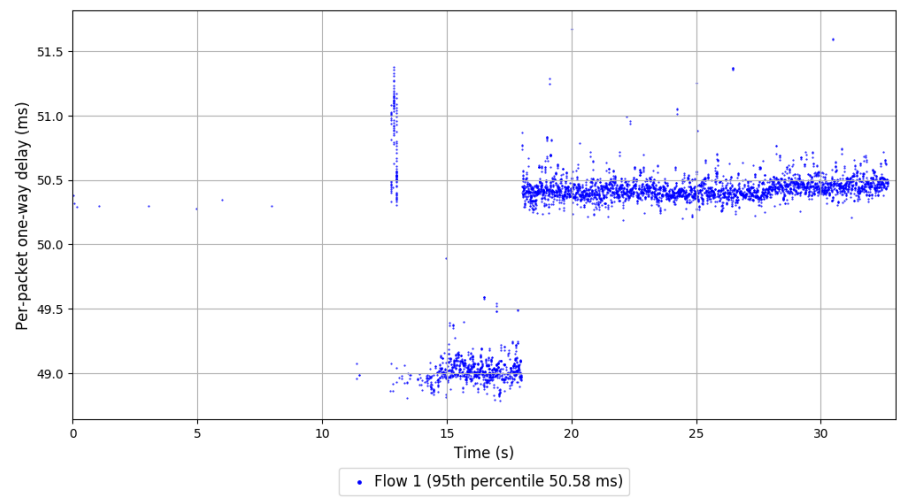
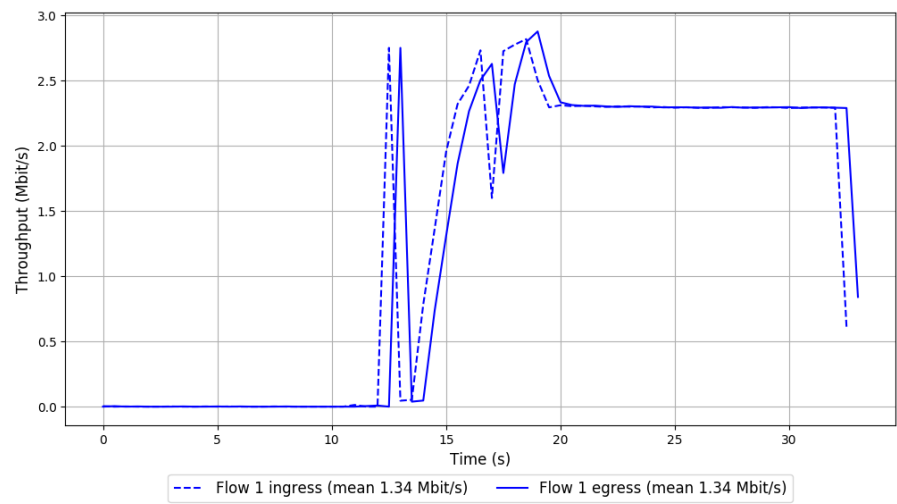


Run 1: Statistics of WebRTC media

Start at: 2018-07-01 11:31:45
End at: 2018-07-01 11:32:15
Local clock offset: 0.045 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-01 16:21:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 50.584 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 50.584 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-01 11:53:29

End at: 2018-07-01 11:53:59

Local clock offset: -0.288 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-07-01 16:21:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 50.946 ms

Loss rate: 0.00%

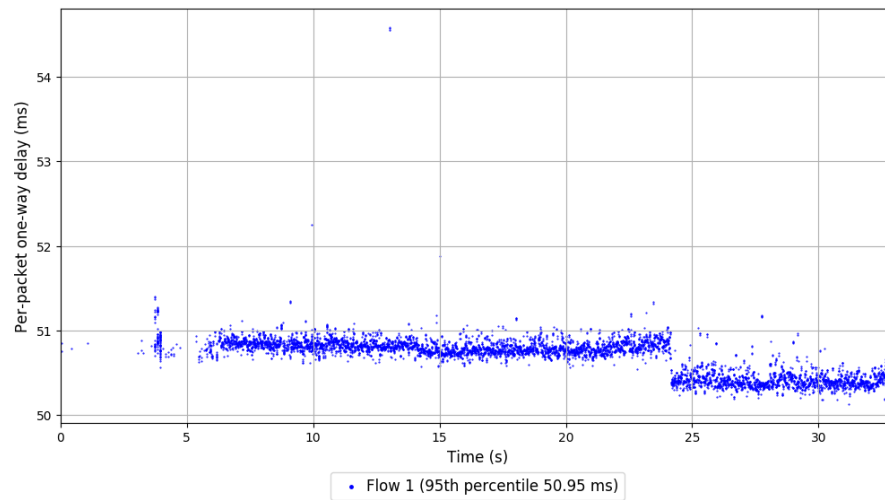
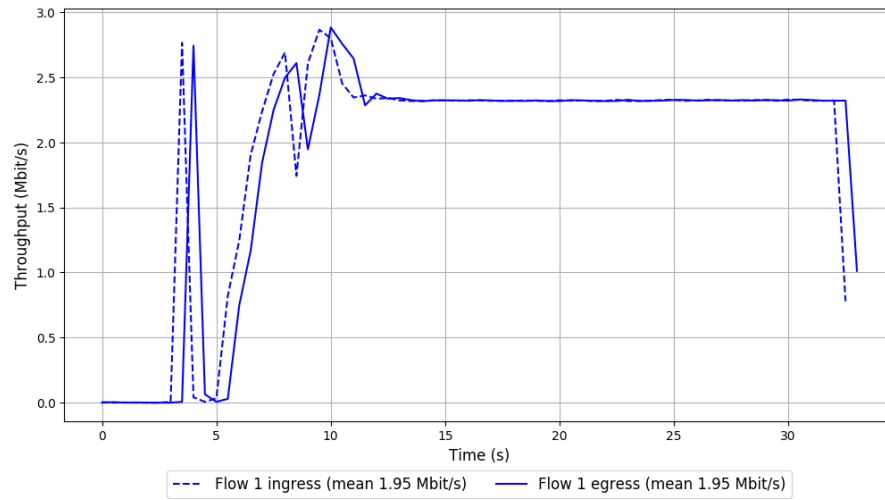
-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 50.946 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-01 12:14:56

End at: 2018-07-01 12:15:26

Local clock offset: 0.057 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-07-01 16:21:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 50.747 ms

Loss rate: 0.00%

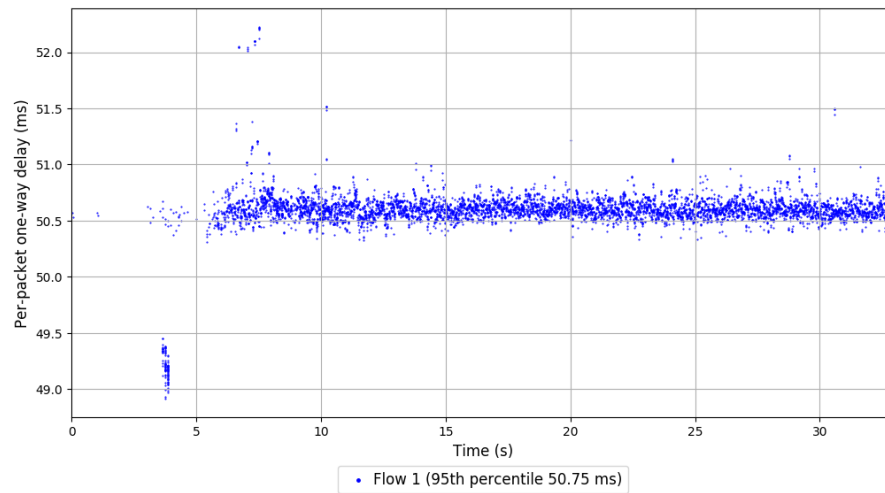
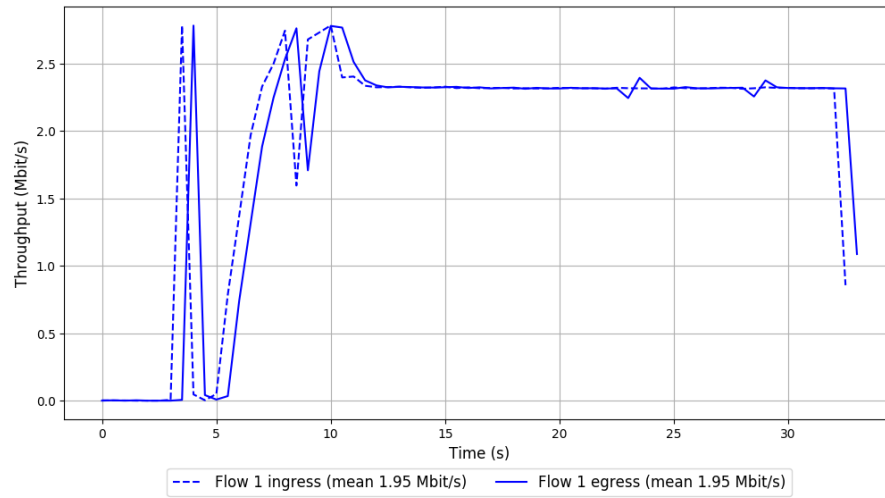
-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 50.747 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-01 12:36:37

End at: 2018-07-01 12:37:07

Local clock offset: 0.084 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-01 16:21:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 50.754 ms

Loss rate: 0.00%

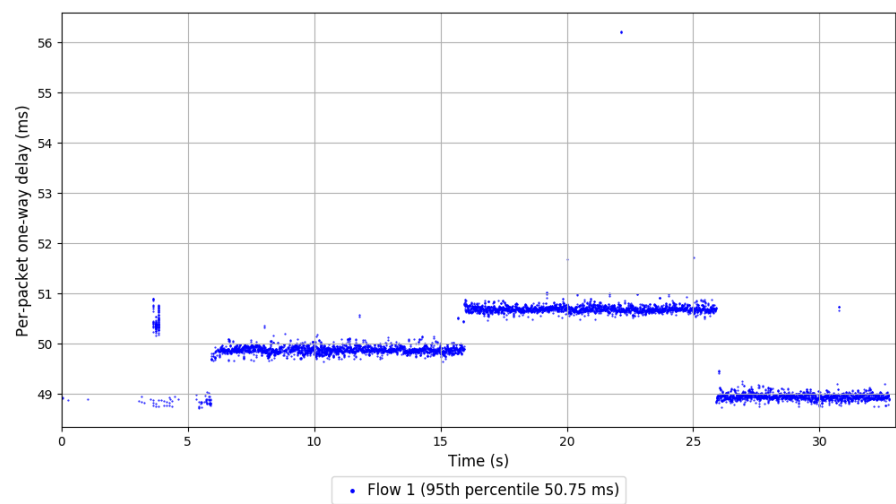
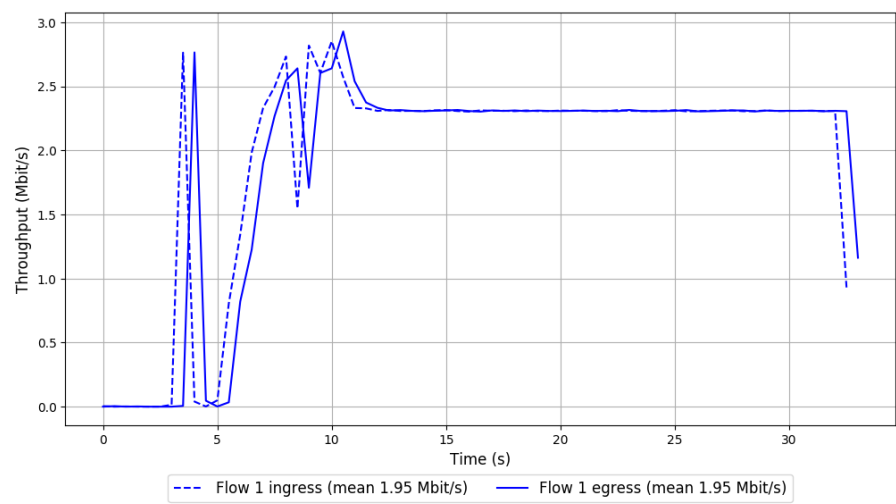
-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 50.754 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

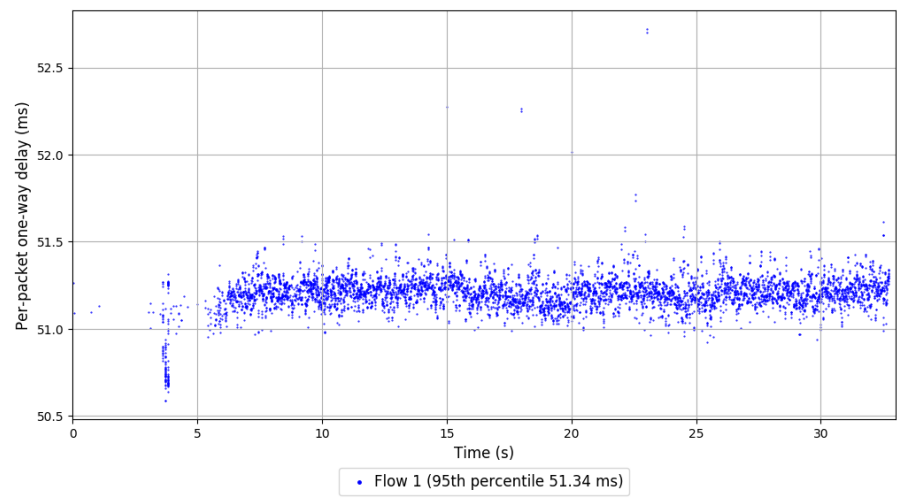
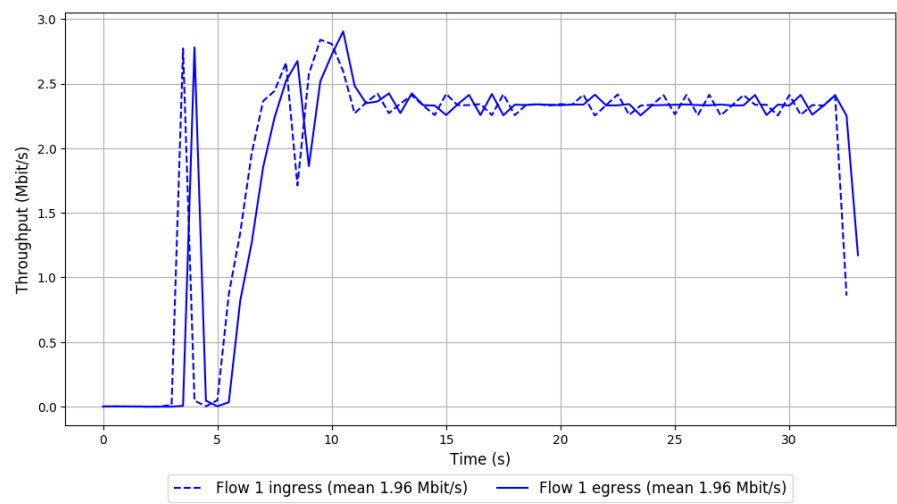


Run 5: Statistics of WebRTC media

Start at: 2018-07-01 12:58:17
End at: 2018-07-01 12:58:47
Local clock offset: -0.282 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-01 16:21:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 51.335 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 51.335 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

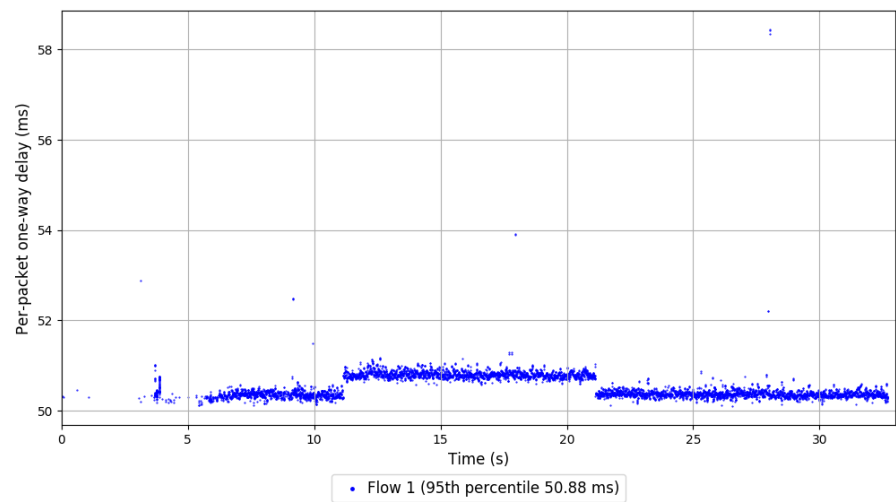
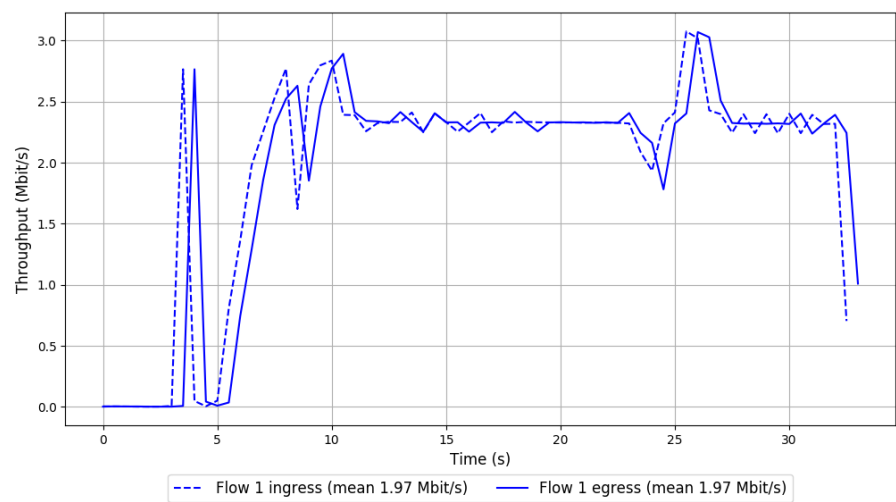


Run 6: Statistics of WebRTC media

Start at: 2018-07-01 13:19:52
End at: 2018-07-01 13:20:22
Local clock offset: 0.061 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-07-01 16:21:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 50.884 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 50.884 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

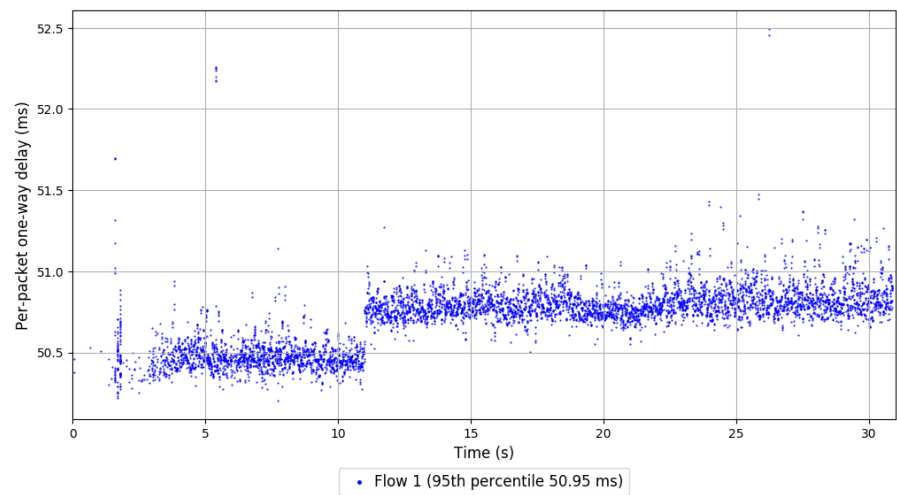
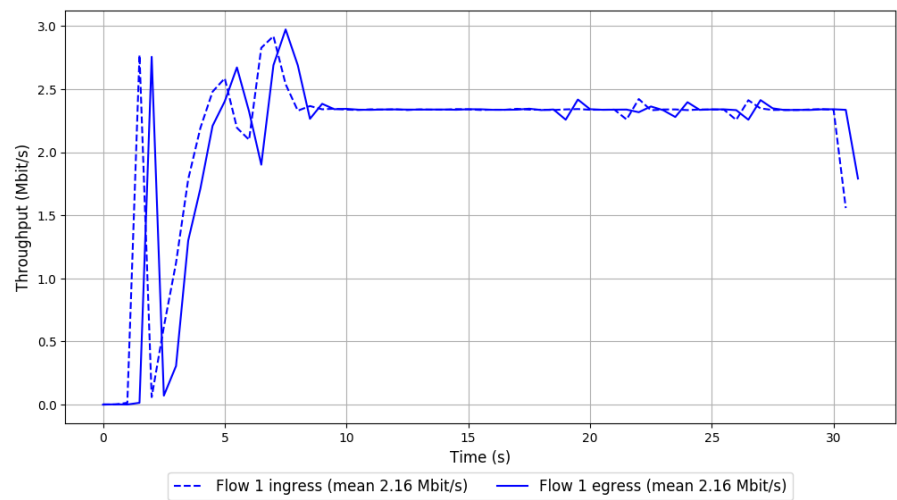


Run 7: Statistics of WebRTC media

Start at: 2018-07-01 13:41:20
End at: 2018-07-01 13:41:50
Local clock offset: 0.049 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-01 16:21:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 50.952 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 50.952 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

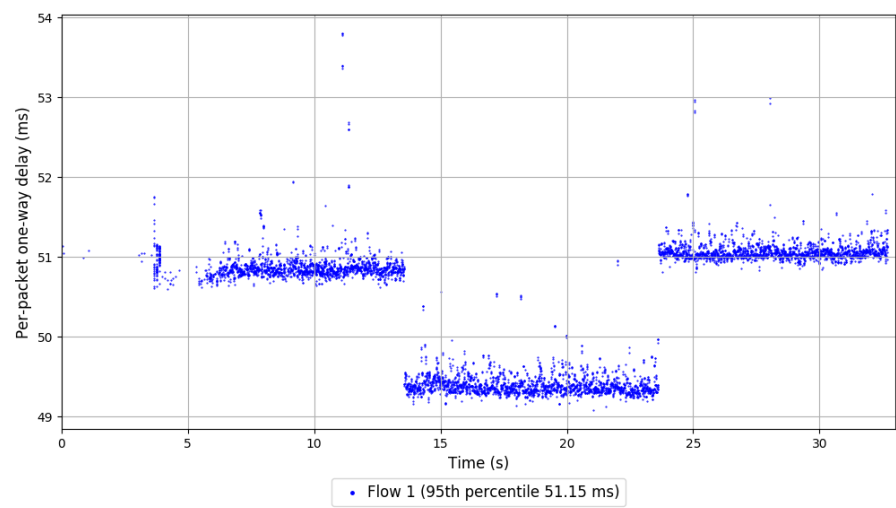
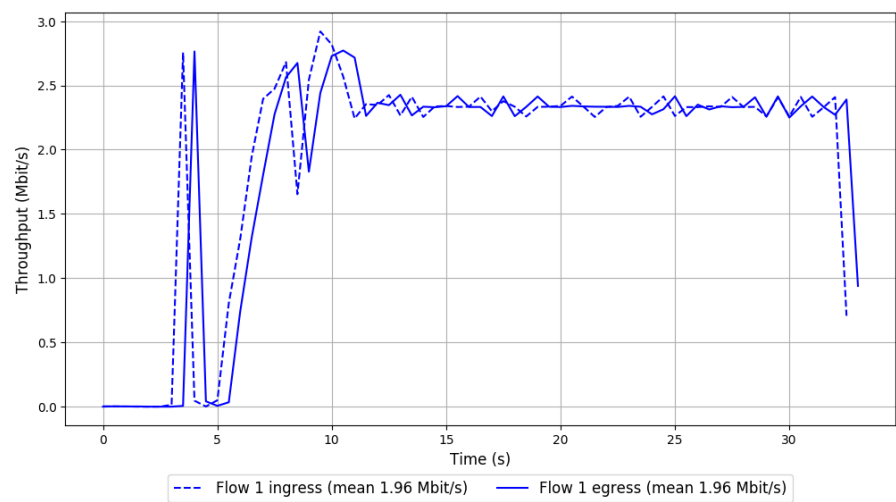


Run 8: Statistics of WebRTC media

Start at: 2018-07-01 14:02:49
End at: 2018-07-01 14:03:19
Local clock offset: 0.02 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-07-01 16:21:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 51.153 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 51.153 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

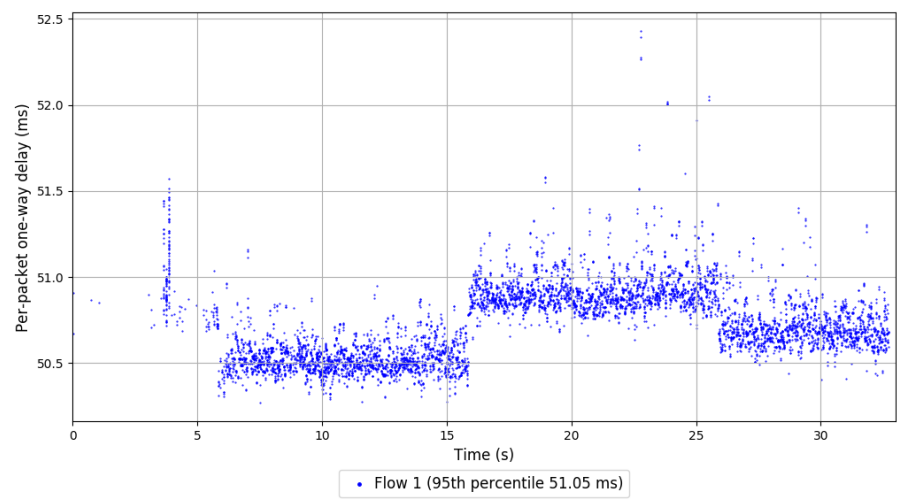
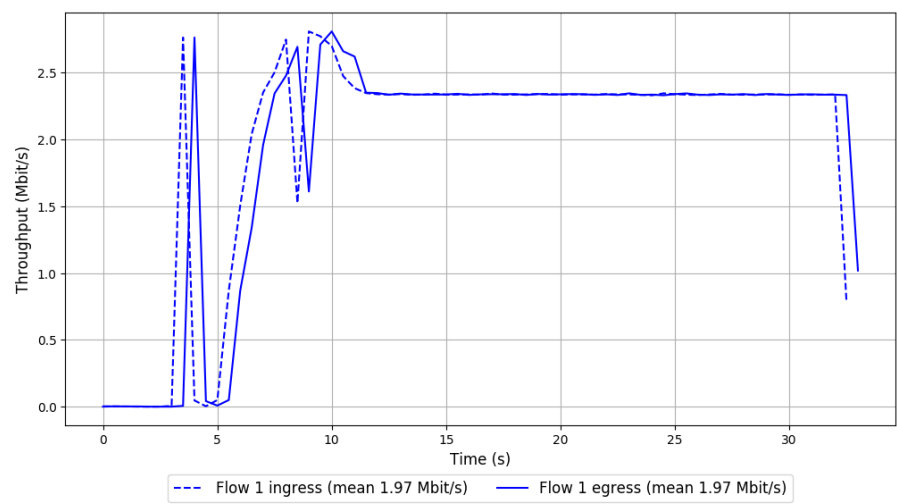


Run 9: Statistics of WebRTC media

Start at: 2018-07-01 14:24:17
End at: 2018-07-01 14:24:47
Local clock offset: 0.045 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-01 16:21:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 51.045 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 51.045 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-01 14:45:51
End at: 2018-07-01 14:46:21
Local clock offset: -0.373 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-07-01 16:21:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 51.633 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 51.633 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

