

Pantheon Report

Generated at 2018-07-11 01:26:25 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

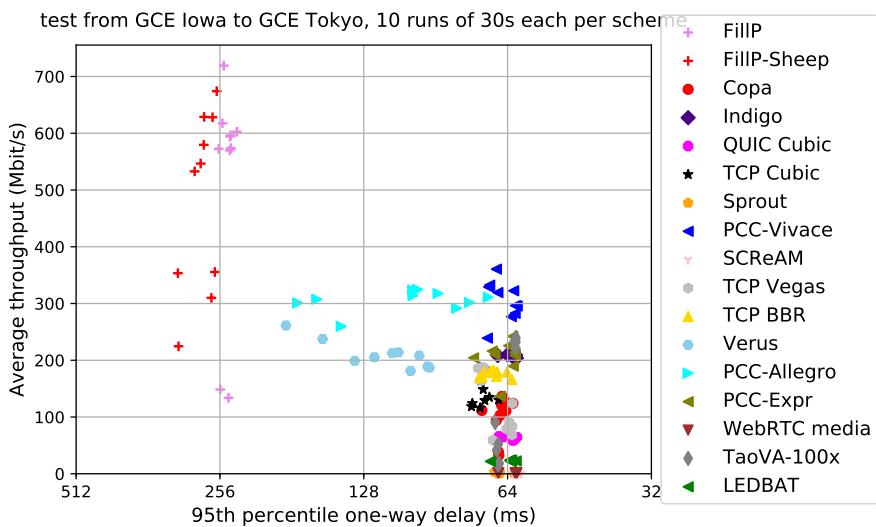
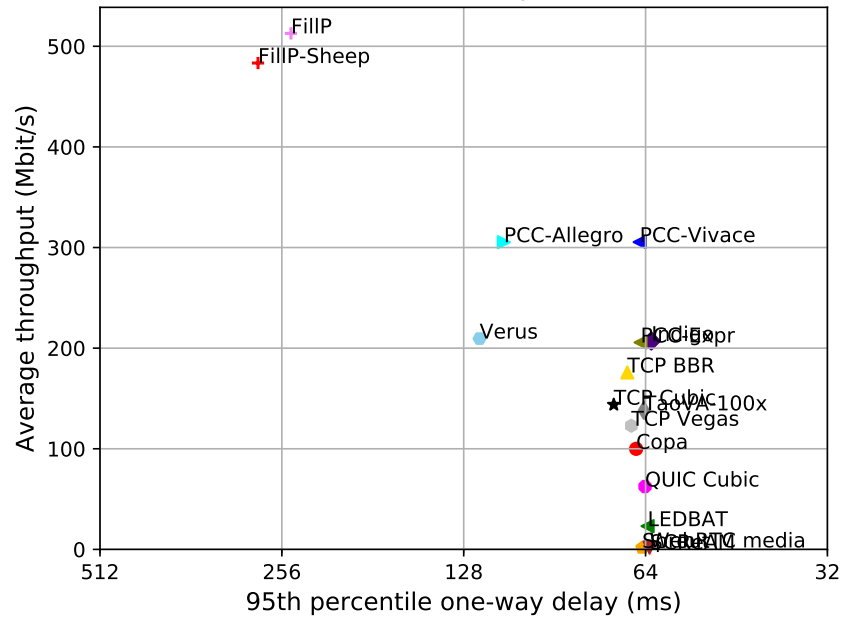
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quir @ 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 Iowa to GCE Tokyo, 10 runs of 30s each per scheme
(mean of all runs by 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	175.82	68.62	0.00
Copa	10	99.94	66.34	0.00
TCP Cubic	10	143.79	72.25	0.01
FillP	10	512.83	247.26	0.28
FillP-Sheep	10	483.36	280.33	0.92
Indigo	10	207.06	62.61	0.00
LEDBAT	10	23.10	63.51	0.00
PCC-Allegro	10	305.31	109.83	0.18
PCC-Expr	10	205.68	65.23	0.02
QUIC Cubic	6	62.48	64.14	0.01
SCReAM	10	0.22	62.94	0.00
Sprout	10	1.56	64.85	0.00
TaoVA-100x	10	138.17	64.41	0.00
TCP Vegas	10	122.88	67.57	0.00
Verus	10	209.53	120.49	0.09
PCC-Vivace	10	305.41	65.46	0.00
WebRTC media	10	1.98	63.04	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-10 20:31:06

End at: 2018-07-10 20:31:36

Local clock offset: 0.016 ms

Remote clock offset: -1.204 ms

Below is generated by plot.py at 2018-07-11 00:06:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 166.14 Mbit/s

95th percentile per-packet one-way delay: 62.711 ms

Loss rate: 0.00%

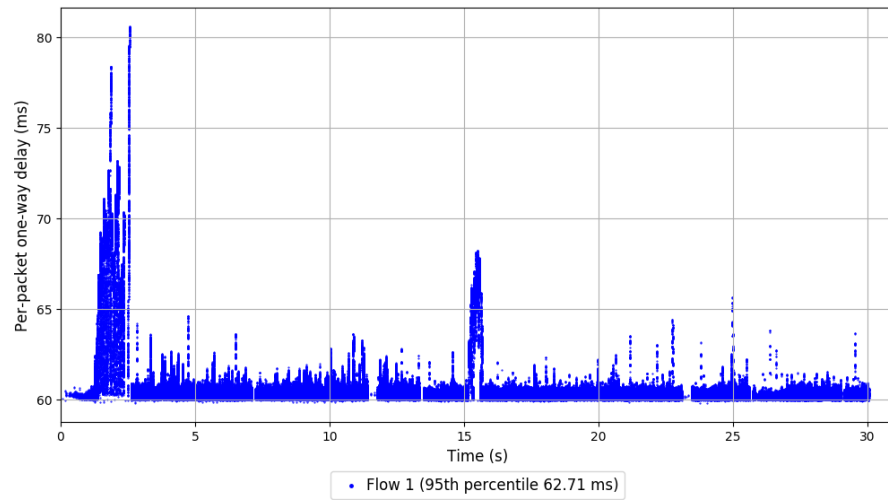
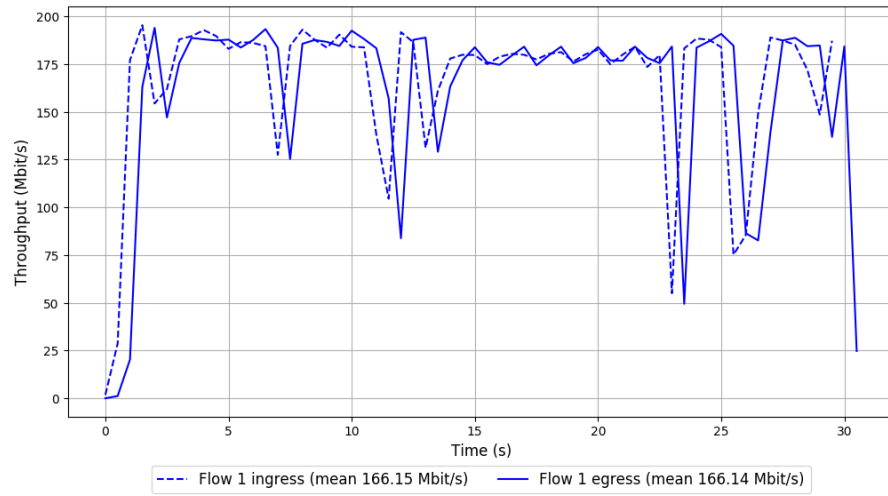
-- Flow 1:

Average throughput: 166.14 Mbit/s

95th percentile per-packet one-way delay: 62.711 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-10 20:52:11

End at: 2018-07-10 20:52:41

Local clock offset: 0.046 ms

Remote clock offset: 1.216 ms

Below is generated by plot.py at 2018-07-11 00:06:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.67 Mbit/s

95th percentile per-packet one-way delay: 67.321 ms

Loss rate: 0.00%

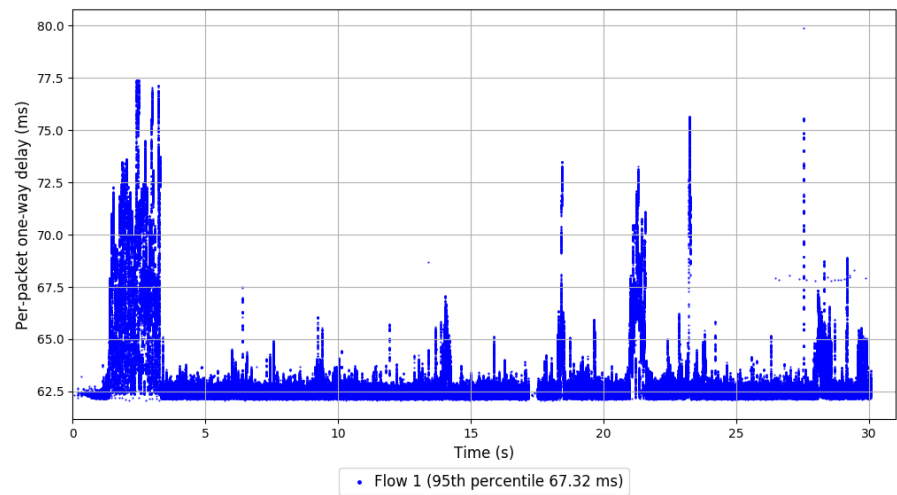
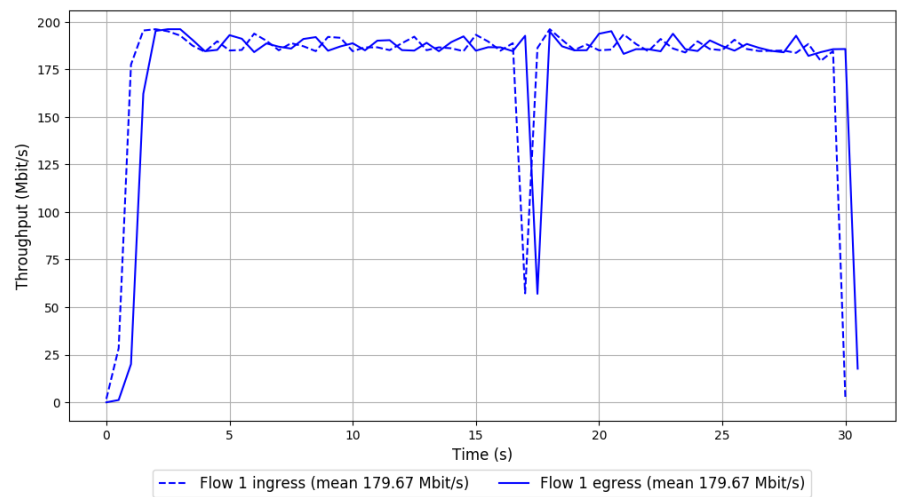
-- Flow 1:

Average throughput: 179.67 Mbit/s

95th percentile per-packet one-way delay: 67.321 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-10 21:14:52

End at: 2018-07-10 21:15:22

Local clock offset: 0.046 ms

Remote clock offset: 0.308 ms

Below is generated by plot.py at 2018-07-11 00:06:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 169.45 Mbit/s

95th percentile per-packet one-way delay: 73.319 ms

Loss rate: 0.00%

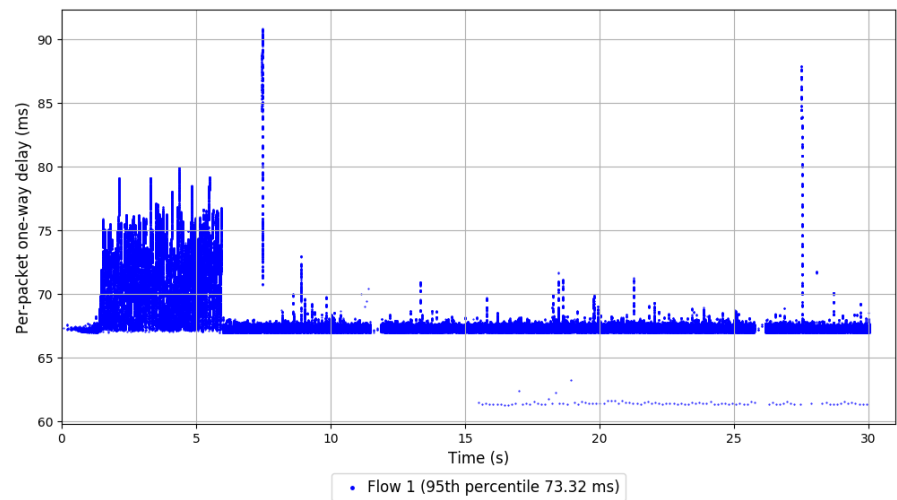
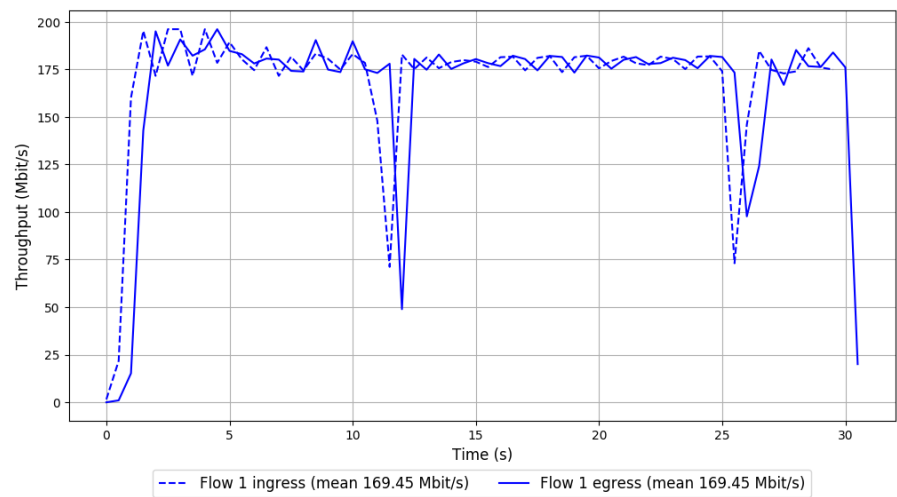
-- Flow 1:

Average throughput: 169.45 Mbit/s

95th percentile per-packet one-way delay: 73.319 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-10 21:36:07

End at: 2018-07-10 21:36:37

Local clock offset: 0.014 ms

Remote clock offset: 0.162 ms

Below is generated by plot.py at 2018-07-11 00:06:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.05 Mbit/s

95th percentile per-packet one-way delay: 72.478 ms

Loss rate: 0.00%

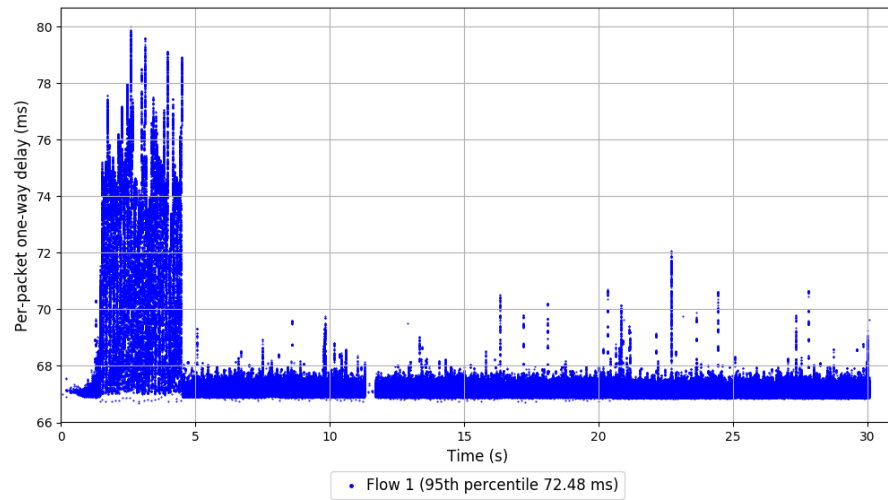
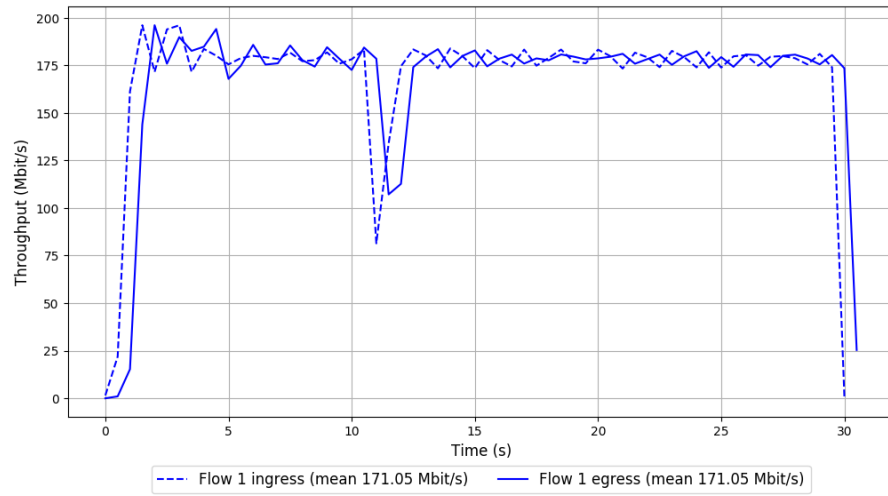
-- Flow 1:

Average throughput: 171.05 Mbit/s

95th percentile per-packet one-way delay: 72.478 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-10 21:57:41

End at: 2018-07-10 21:58:11

Local clock offset: -0.029 ms

Remote clock offset: 0.183 ms

Below is generated by plot.py at 2018-07-11 00:06:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 178.90 Mbit/s

95th percentile per-packet one-way delay: 71.727 ms

Loss rate: 0.00%

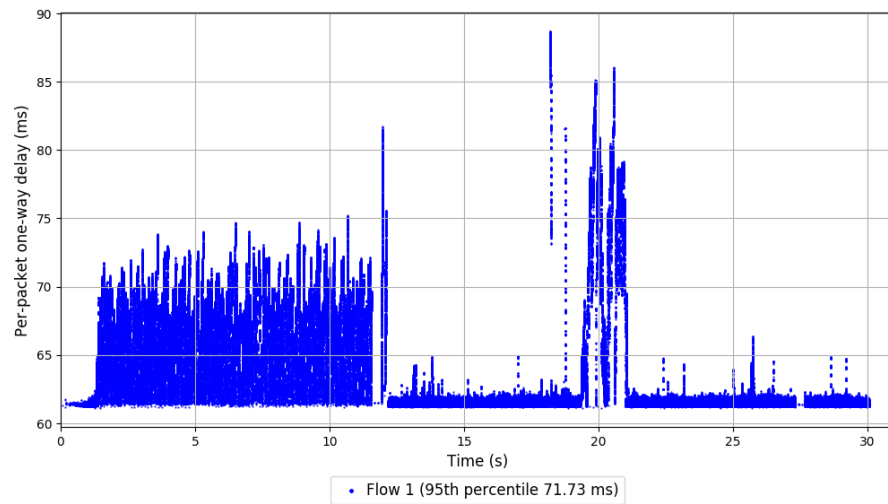
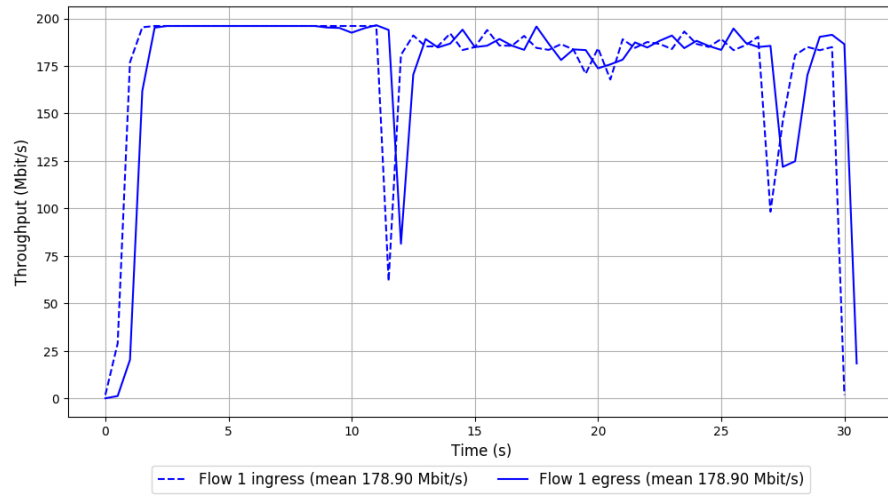
-- Flow 1:

Average throughput: 178.90 Mbit/s

95th percentile per-packet one-way delay: 71.727 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-10 22:19:20

End at: 2018-07-10 22:19:50

Local clock offset: -0.045 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-07-11 00:06:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 178.66 Mbit/s

95th percentile per-packet one-way delay: 68.944 ms

Loss rate: 0.00%

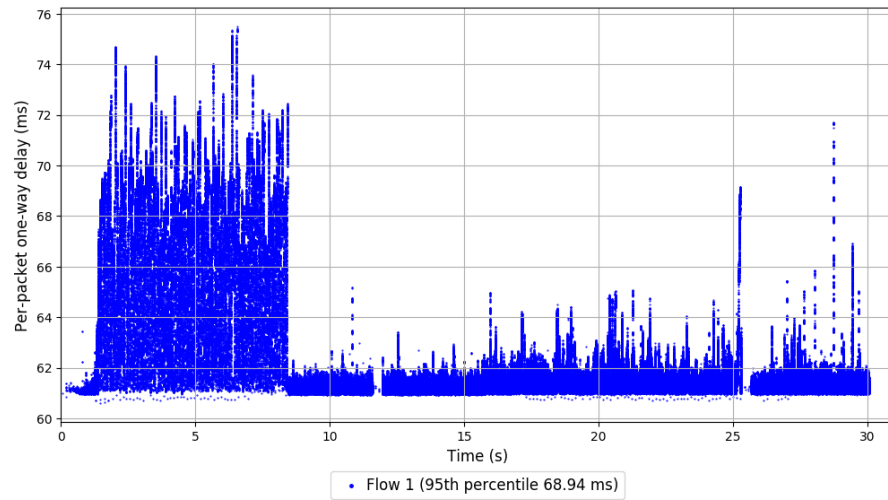
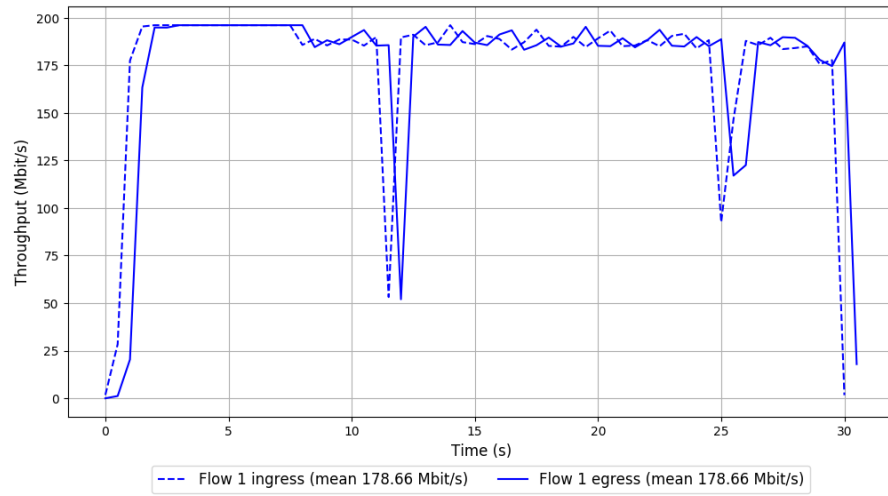
-- Flow 1:

Average throughput: 178.66 Mbit/s

95th percentile per-packet one-way delay: 68.944 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-10 22:41:05

End at: 2018-07-10 22:41:35

Local clock offset: -0.011 ms

Remote clock offset: 0.114 ms

Below is generated by plot.py at 2018-07-11 00:06:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.01 Mbit/s

95th percentile per-packet one-way delay: 64.185 ms

Loss rate: 0.00%

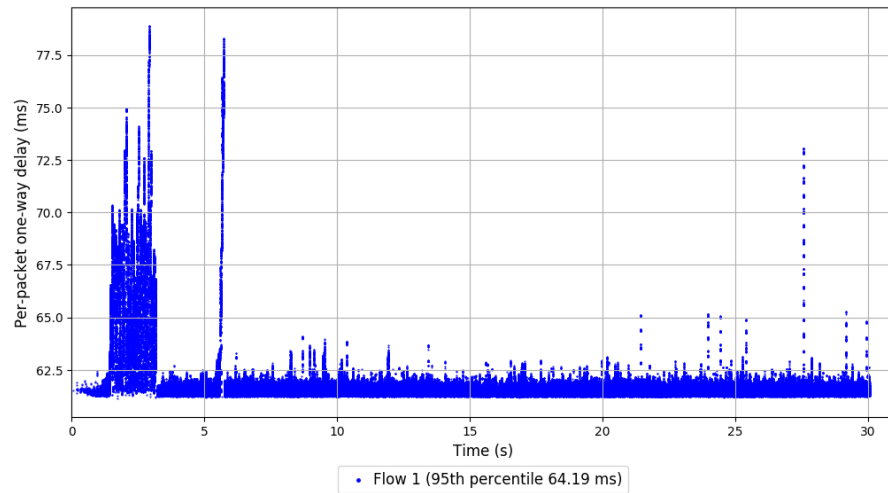
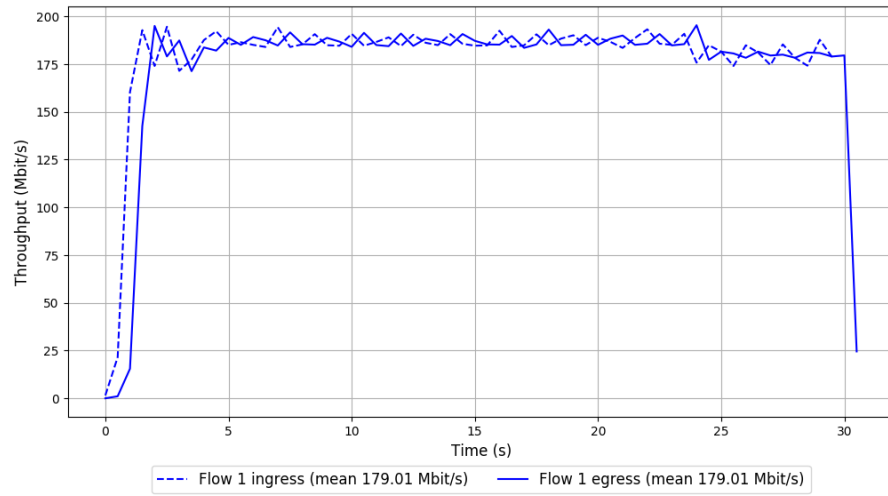
-- Flow 1:

Average throughput: 179.01 Mbit/s

95th percentile per-packet one-way delay: 64.185 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link

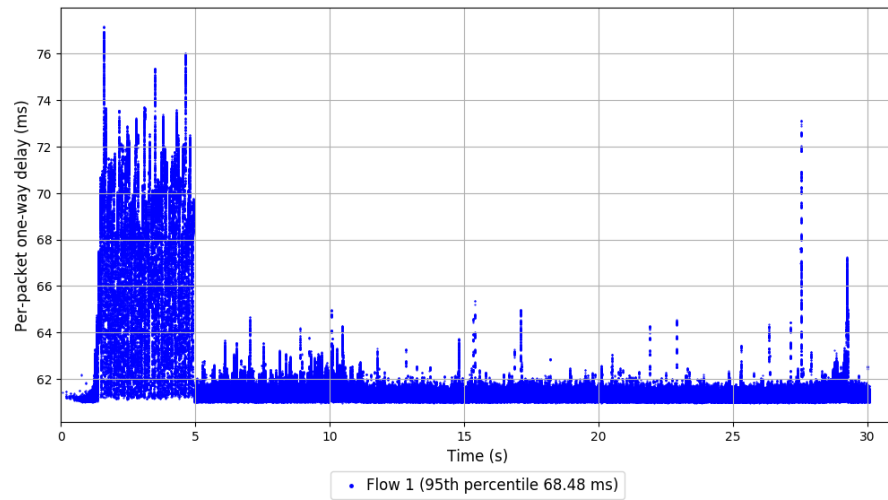
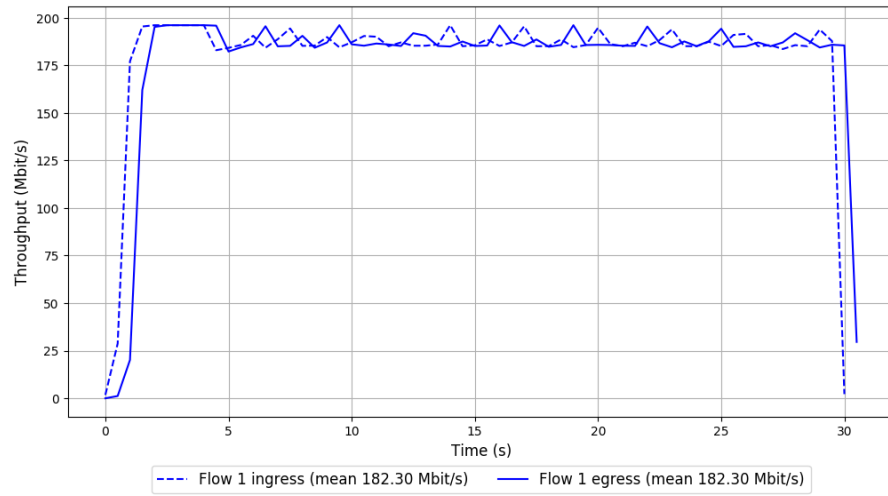


Run 8: Statistics of TCP BBR

Start at: 2018-07-10 23:02:58
End at: 2018-07-10 23:03:28
Local clock offset: -0.019 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-07-11 00:06:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 182.30 Mbit/s
95th percentile per-packet one-way delay: 68.477 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 182.30 Mbit/s
95th percentile per-packet one-way delay: 68.477 ms
Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-10 23:24:22

End at: 2018-07-10 23:24:52

Local clock offset: -0.0 ms

Remote clock offset: -1.634 ms

Below is generated by plot.py at 2018-07-11 00:09:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.57 Mbit/s

95th percentile per-packet one-way delay: 67.491 ms

Loss rate: 0.00%

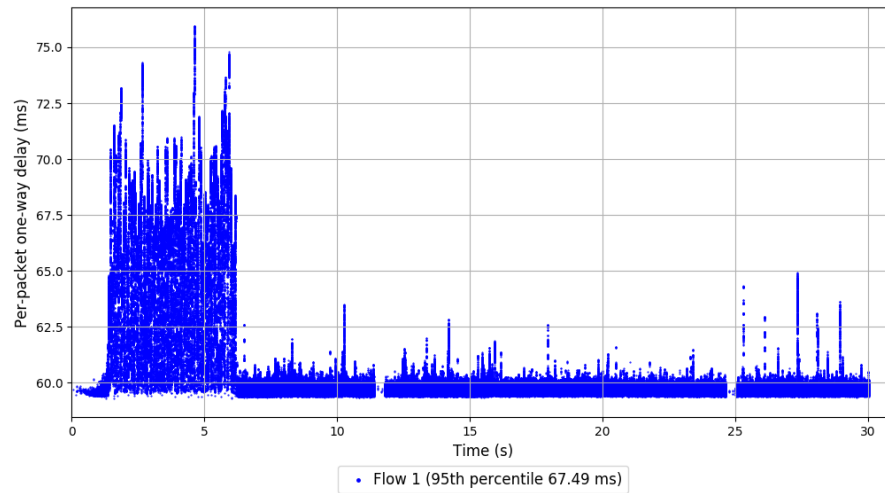
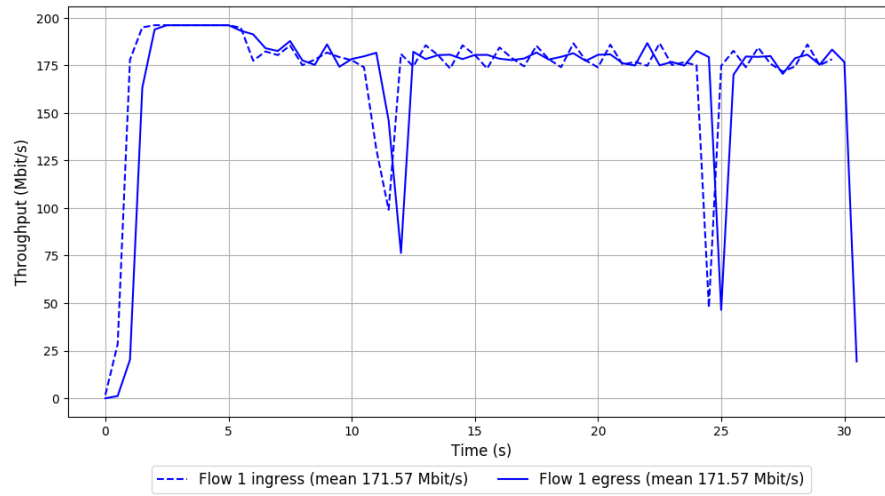
-- Flow 1:

Average throughput: 171.57 Mbit/s

95th percentile per-packet one-way delay: 67.491 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-10 23:46:04

End at: 2018-07-10 23:46:34

Local clock offset: -0.069 ms

Remote clock offset: -0.327 ms

Below is generated by plot.py at 2018-07-11 00:10:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.47 Mbit/s

95th percentile per-packet one-way delay: 69.501 ms

Loss rate: 0.00%

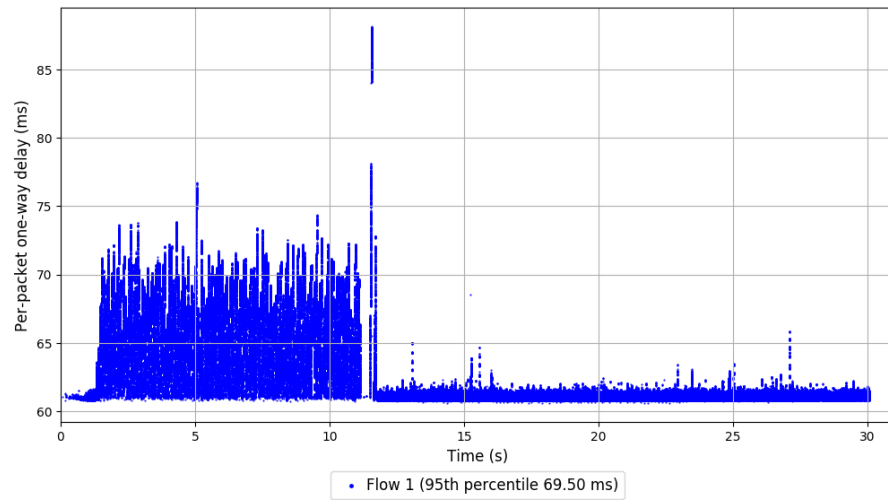
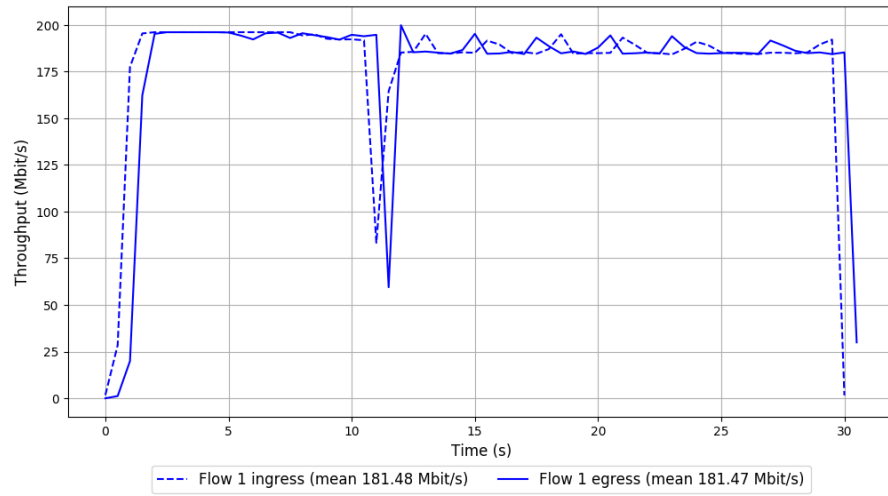
-- Flow 1:

Average throughput: 181.47 Mbit/s

95th percentile per-packet one-way delay: 69.501 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

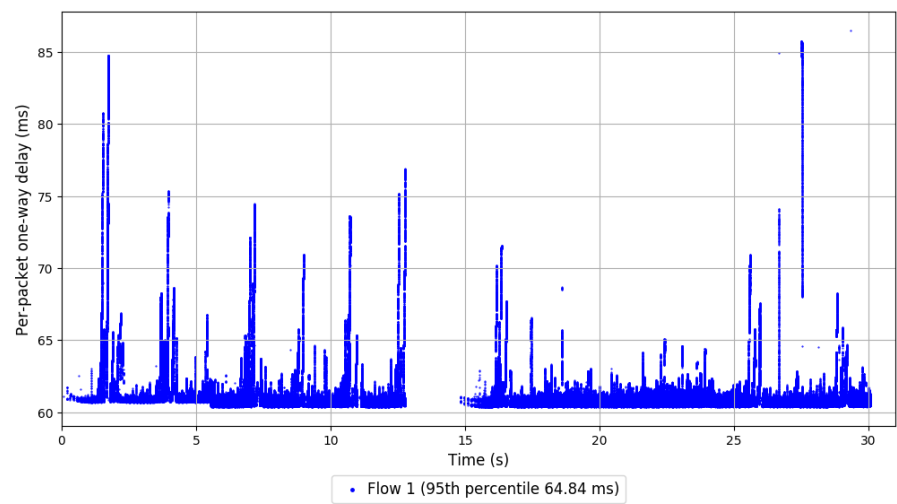
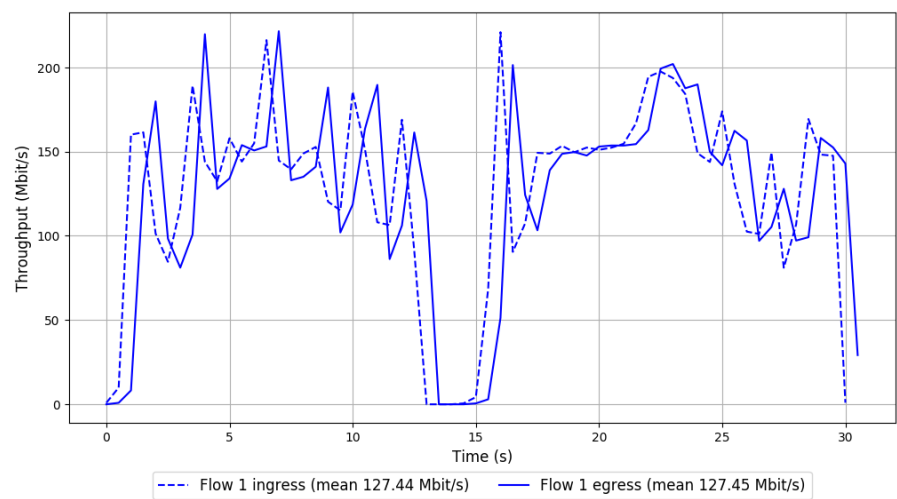


Run 1: Statistics of Copa

Start at: 2018-07-10 20:34:32
End at: 2018-07-10 20:35:02
Local clock offset: 0.037 ms
Remote clock offset: -0.381 ms

Below is generated by plot.py at 2018-07-11 00:11:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 127.45 Mbit/s
95th percentile per-packet one-way delay: 64.838 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 127.45 Mbit/s
95th percentile per-packet one-way delay: 64.838 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-10 20:55:38

End at: 2018-07-10 20:56:08

Local clock offset: 0.042 ms

Remote clock offset: 1.2 ms

Below is generated by plot.py at 2018-07-11 00:11:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 121.11 Mbit/s

95th percentile per-packet one-way delay: 65.875 ms

Loss rate: 0.00%

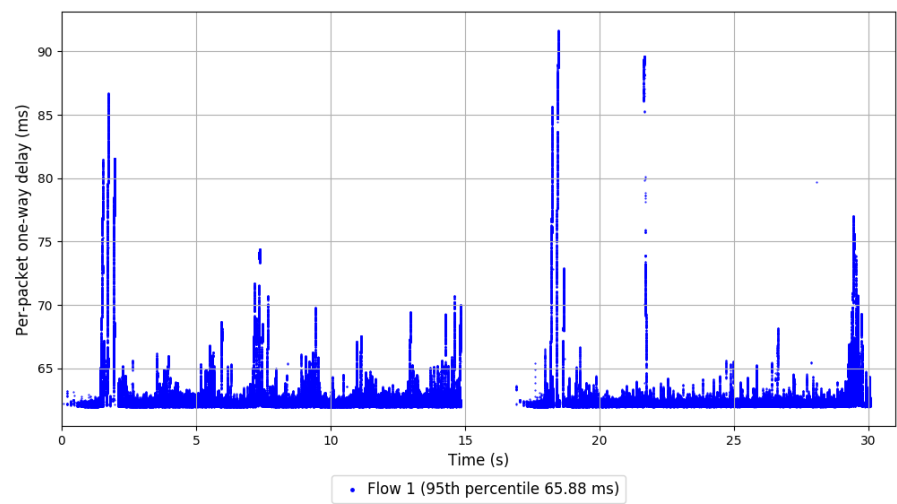
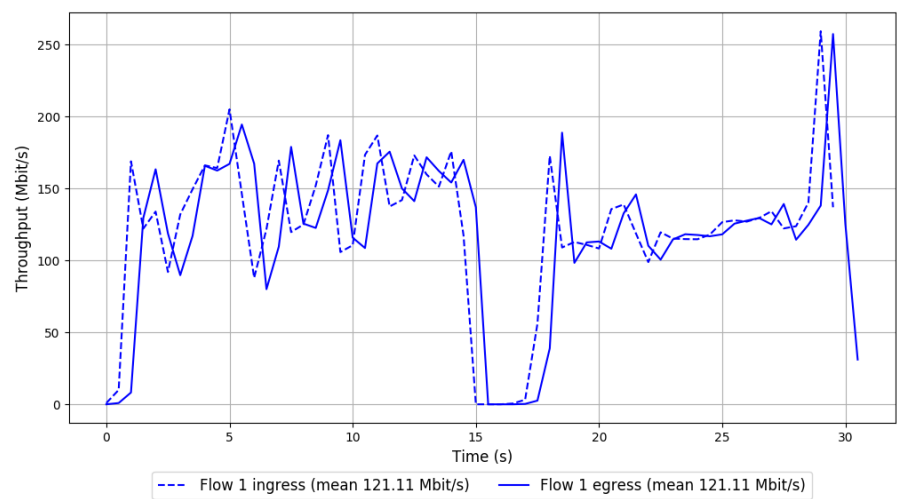
-- Flow 1:

Average throughput: 121.11 Mbit/s

95th percentile per-packet one-way delay: 65.875 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link

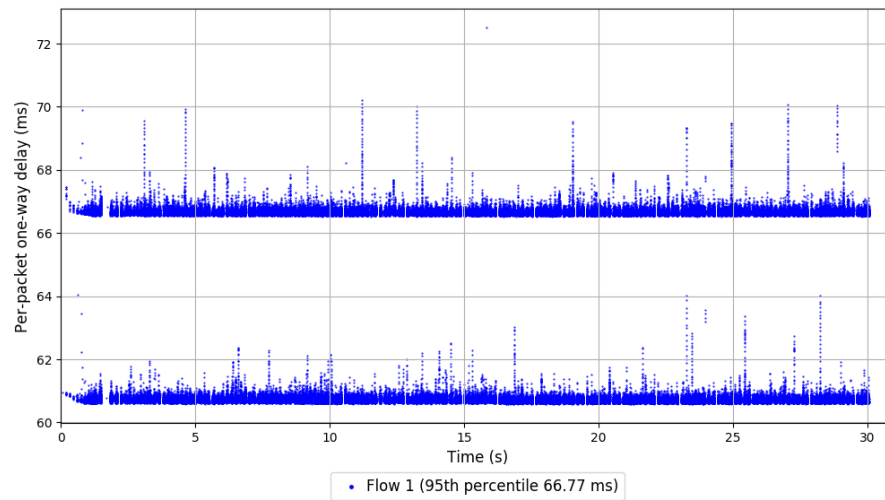
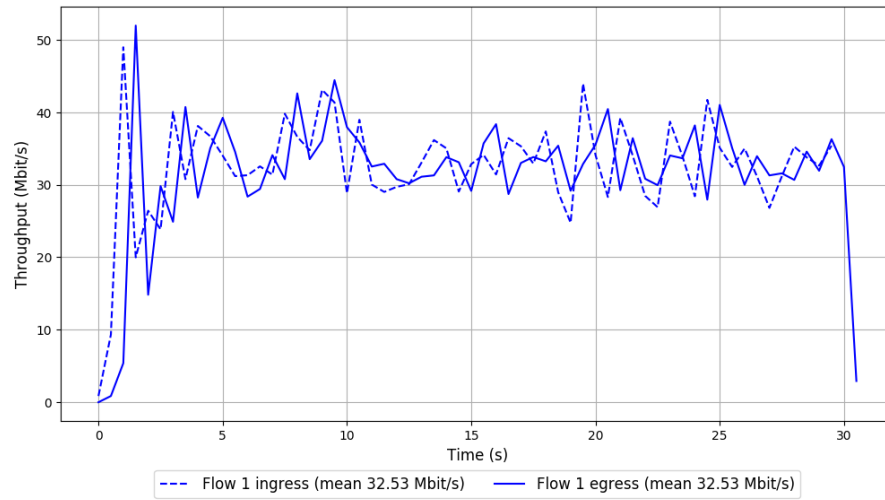


Run 3: Statistics of Copa

Start at: 2018-07-10 21:18:18
End at: 2018-07-10 21:18:48
Local clock offset: 0.033 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-07-11 00:11:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.53 Mbit/s
95th percentile per-packet one-way delay: 66.769 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.53 Mbit/s
95th percentile per-packet one-way delay: 66.769 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

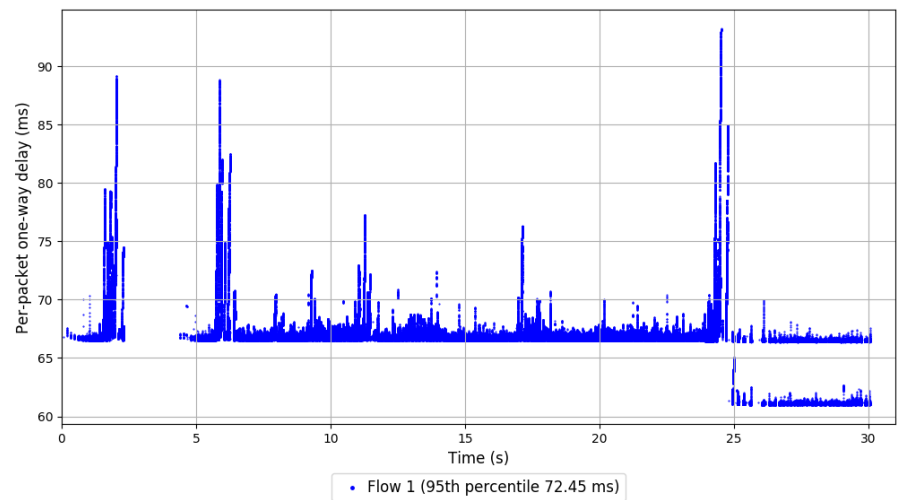
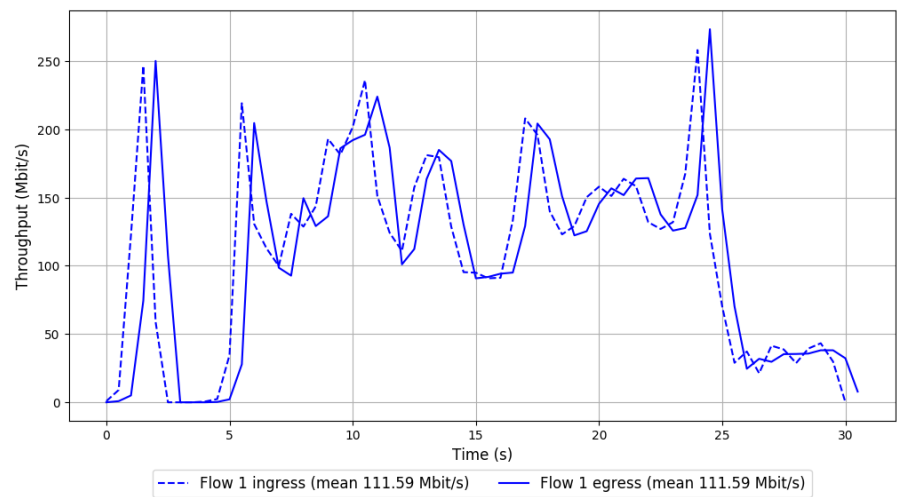


Run 4: Statistics of Copa

Start at: 2018-07-10 21:39:34
End at: 2018-07-10 21:40:04
Local clock offset: 0.014 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-11 00:11:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 111.59 Mbit/s
95th percentile per-packet one-way delay: 72.447 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 111.59 Mbit/s
95th percentile per-packet one-way delay: 72.447 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-10 22:01:08

End at: 2018-07-10 22:01:38

Local clock offset: 0.002 ms

Remote clock offset: 0.249 ms

Below is generated by plot.py at 2018-07-11 00:11:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.44 Mbit/s

95th percentile per-packet one-way delay: 66.889 ms

Loss rate: 0.00%

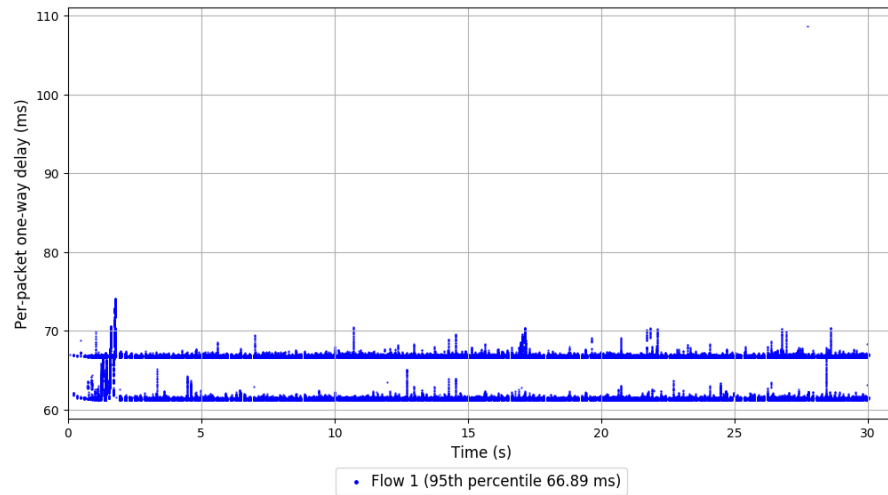
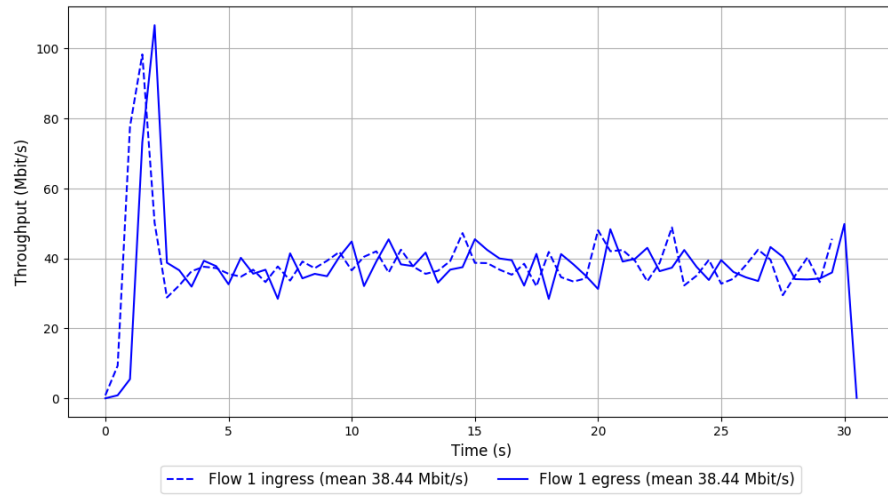
-- Flow 1:

Average throughput: 38.44 Mbit/s

95th percentile per-packet one-way delay: 66.889 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-10 22:22:47

End at: 2018-07-10 22:23:17

Local clock offset: -0.026 ms

Remote clock offset: 0.174 ms

Below is generated by plot.py at 2018-07-11 00:11:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.12 Mbit/s

95th percentile per-packet one-way delay: 67.545 ms

Loss rate: 0.00%

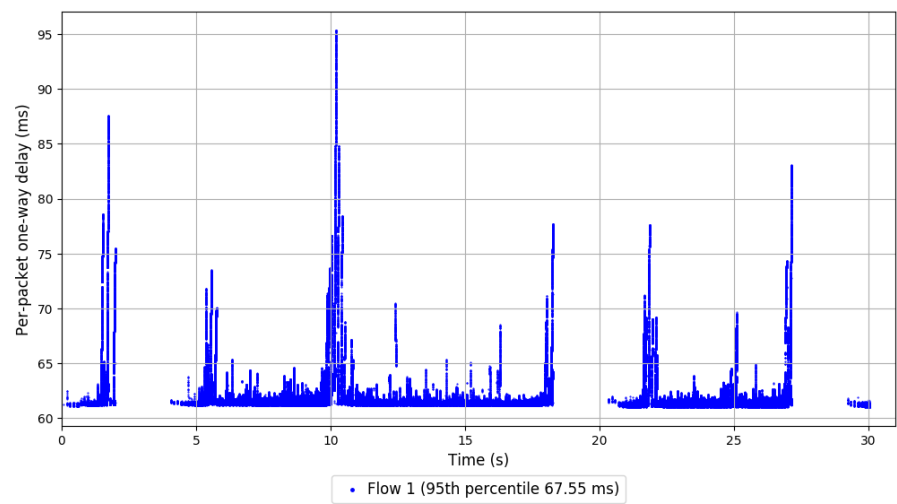
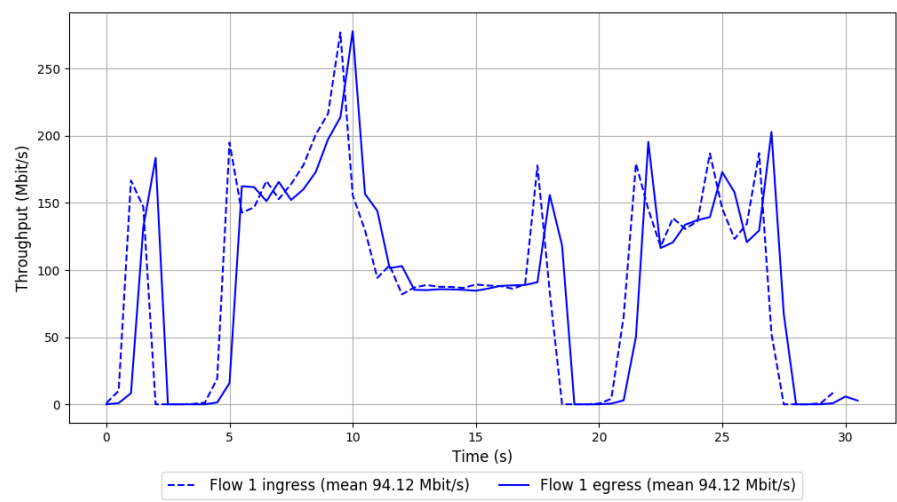
-- Flow 1:

Average throughput: 94.12 Mbit/s

95th percentile per-packet one-way delay: 67.545 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link

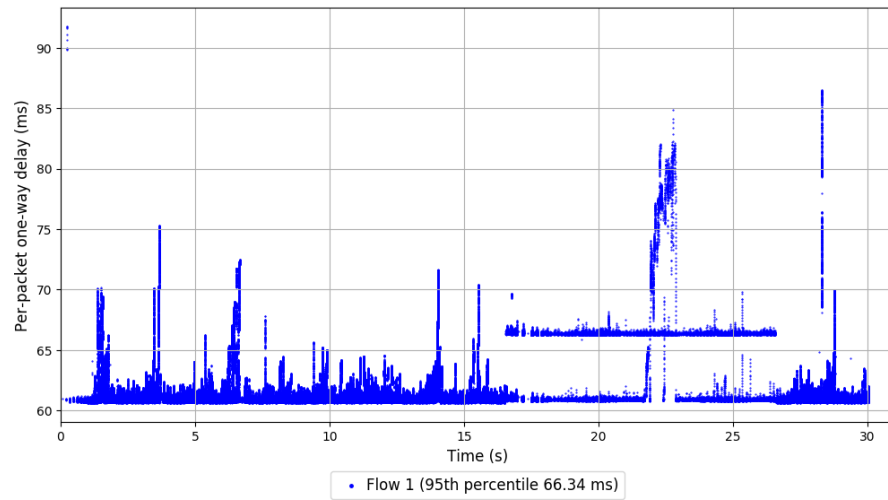
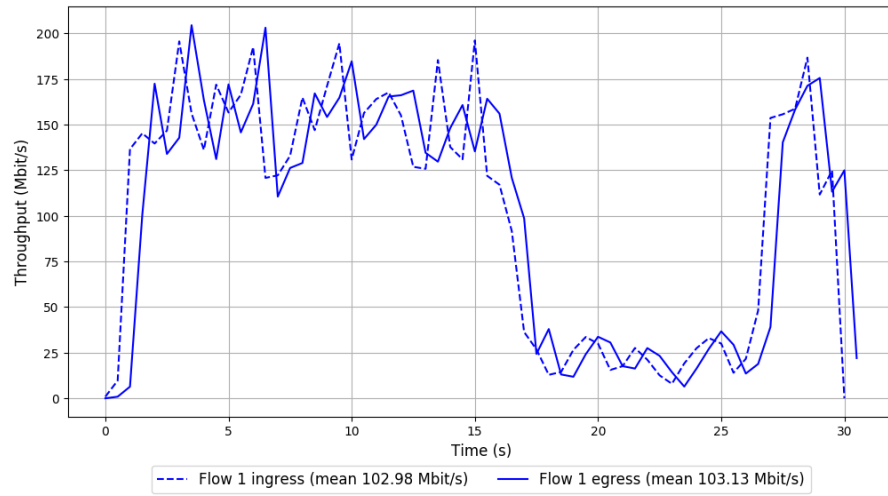


Run 7: Statistics of Copa

Start at: 2018-07-10 22:44:31
End at: 2018-07-10 22:45:01
Local clock offset: 0.016 ms
Remote clock offset: -0.291 ms

Below is generated by plot.py at 2018-07-11 00:11:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 103.13 Mbit/s
95th percentile per-packet one-way delay: 66.343 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 103.13 Mbit/s
95th percentile per-packet one-way delay: 66.343 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

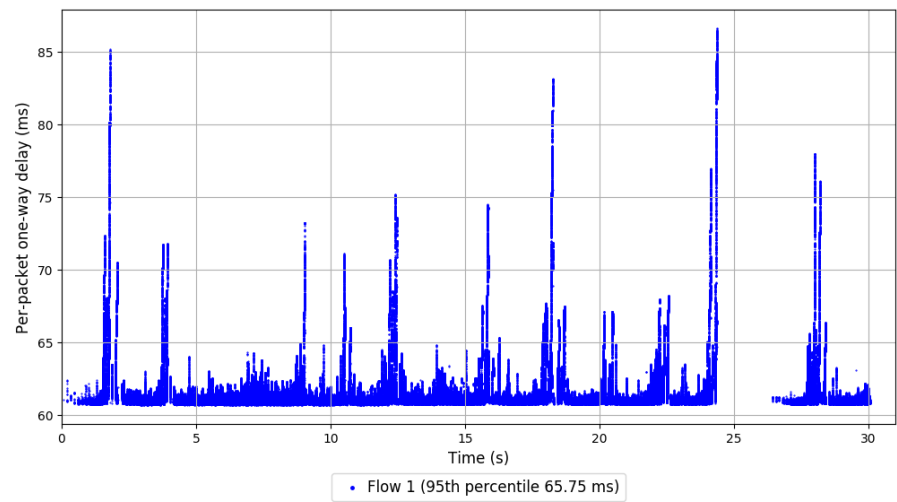
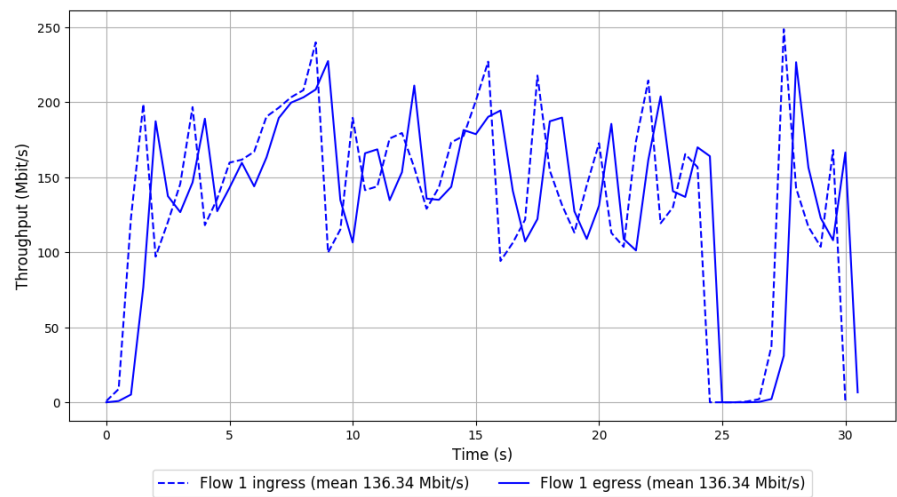


Run 8: Statistics of Copa

Start at: 2018-07-10 23:06:25
End at: 2018-07-10 23:06:55
Local clock offset: -0.002 ms
Remote clock offset: -0.265 ms

Below is generated by plot.py at 2018-07-11 00:13:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 136.34 Mbit/s
95th percentile per-packet one-way delay: 65.751 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 136.34 Mbit/s
95th percentile per-packet one-way delay: 65.751 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-10 23:27:48

End at: 2018-07-10 23:28:18

Local clock offset: -0.029 ms

Remote clock offset: 0.15 ms

Below is generated by plot.py at 2018-07-11 00:13:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.15 Mbit/s

95th percentile per-packet one-way delay: 62.399 ms

Loss rate: 0.04%

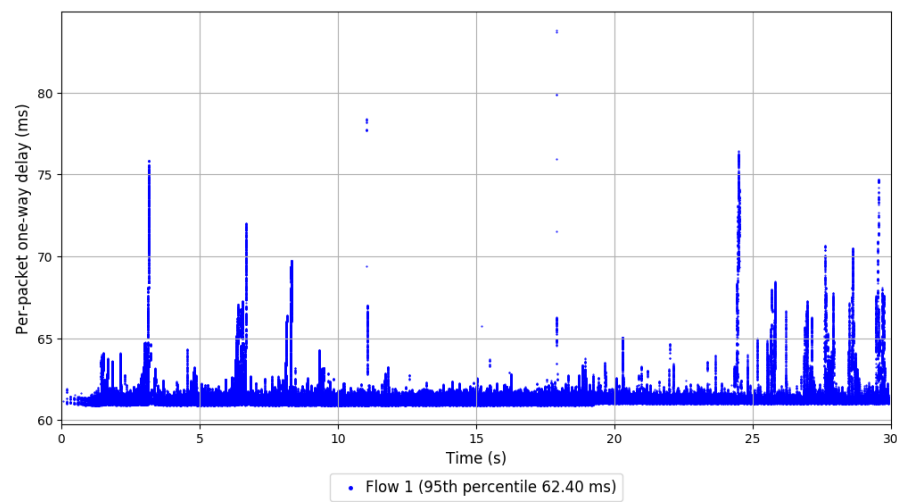
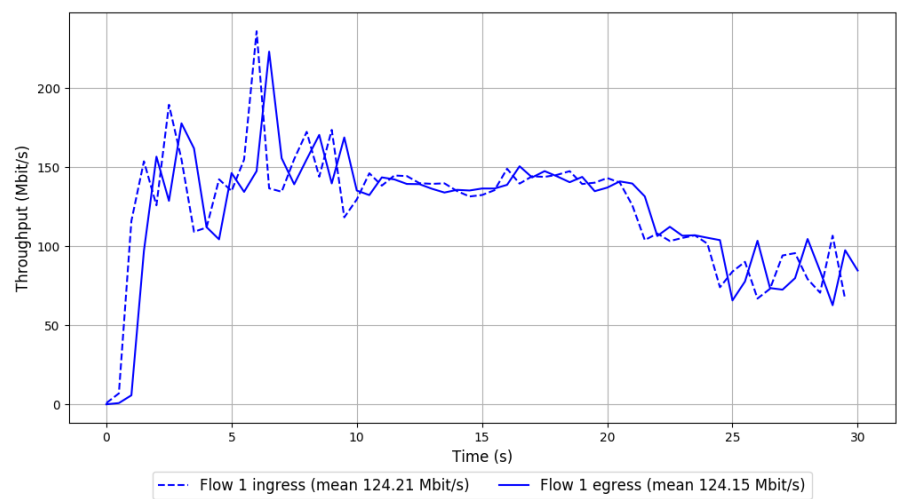
-- Flow 1:

Average throughput: 124.15 Mbit/s

95th percentile per-packet one-way delay: 62.399 ms

Loss rate: 0.04%

Run 9: Report of Copa — Data Link

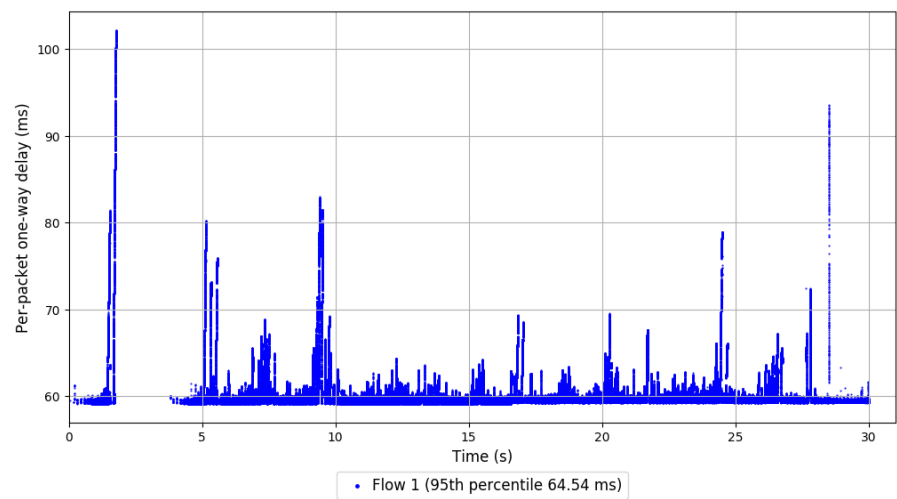
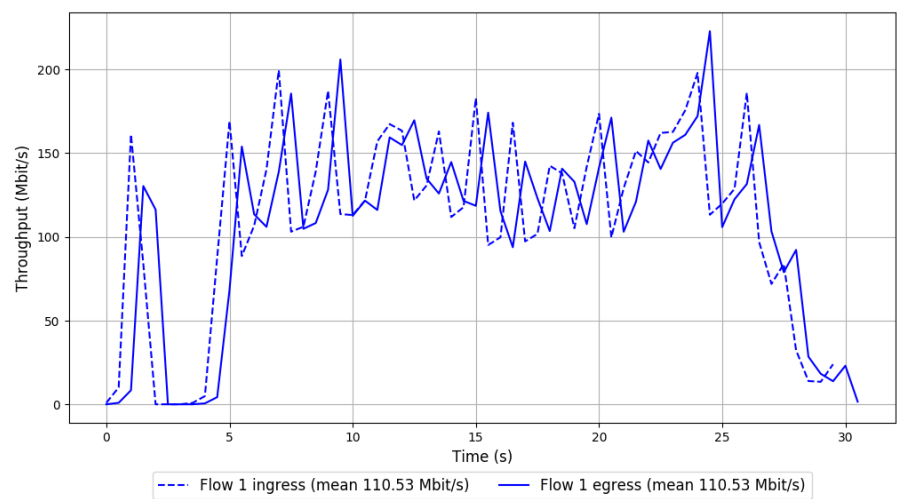


Run 10: Statistics of Copa

Start at: 2018-07-10 23:49:31
End at: 2018-07-10 23:50:01
Local clock offset: -0.034 ms
Remote clock offset: -1.626 ms

Below is generated by plot.py at 2018-07-11 00:13:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 110.53 Mbit/s
95th percentile per-packet one-way delay: 64.537 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 110.53 Mbit/s
95th percentile per-packet one-way delay: 64.537 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

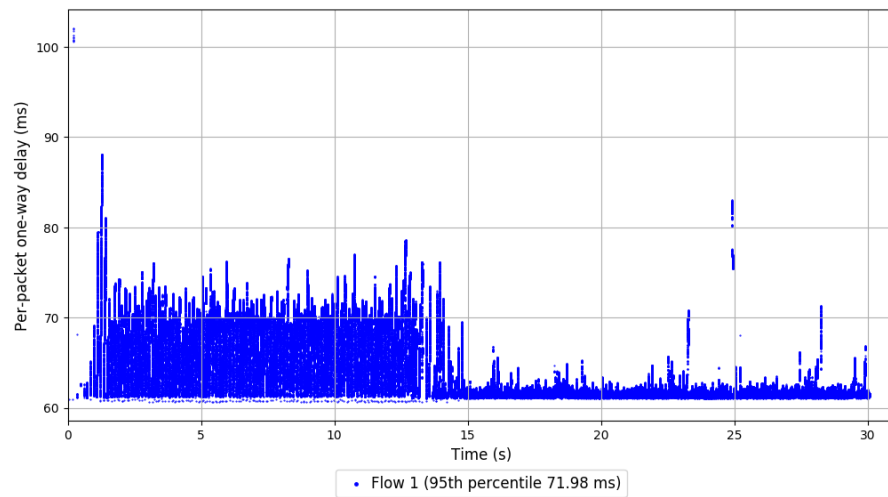
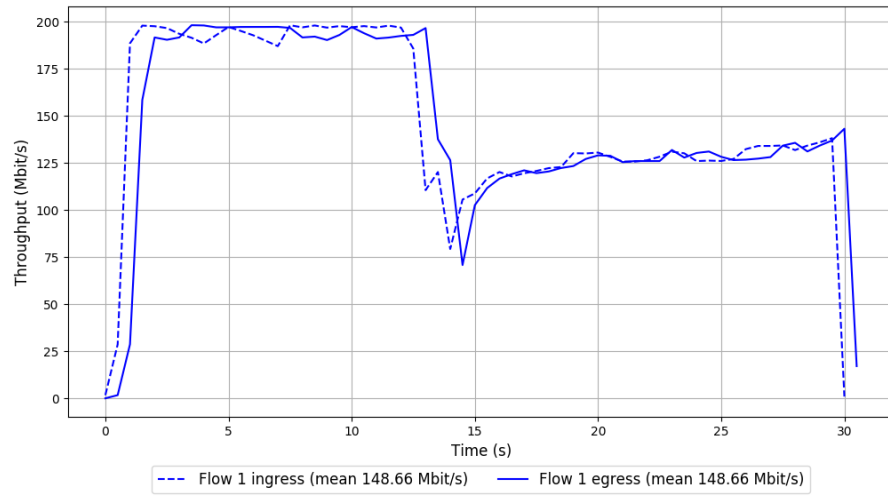


Run 1: Statistics of TCP Cubic

Start at: 2018-07-10 20:28:35
End at: 2018-07-10 20:29:05
Local clock offset: 0.038 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-11 00:13:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 148.66 Mbit/s
95th percentile per-packet one-way delay: 71.977 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 148.66 Mbit/s
95th percentile per-packet one-way delay: 71.977 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-10 20:49:43

End at: 2018-07-10 20:50:13

Local clock offset: 0.033 ms

Remote clock offset: 1.369 ms

Below is generated by plot.py at 2018-07-11 00:13:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 129.26 Mbit/s

95th percentile per-packet one-way delay: 71.426 ms

Loss rate: 0.00%

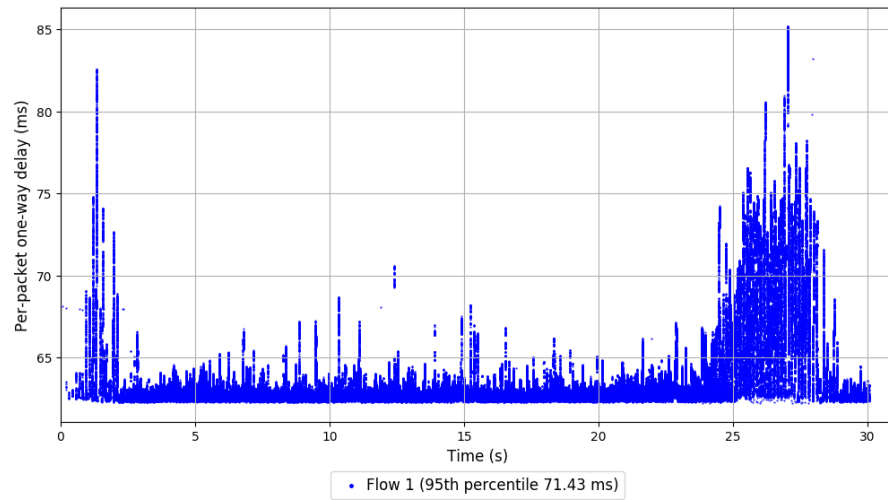
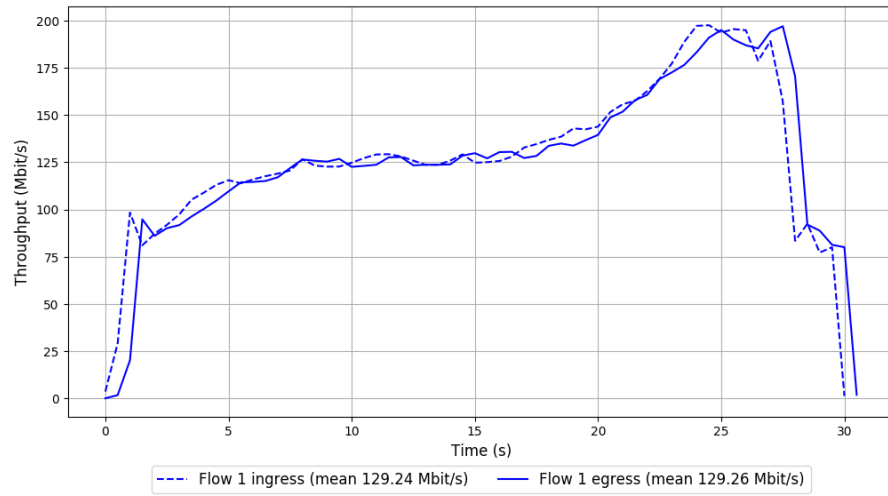
-- Flow 1:

Average throughput: 129.26 Mbit/s

95th percentile per-packet one-way delay: 71.426 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-10 21:12:23

End at: 2018-07-10 21:12:53

Local clock offset: 0.054 ms

Remote clock offset: 0.068 ms

Below is generated by plot.py at 2018-07-11 00:13:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.96 Mbit/s

95th percentile per-packet one-way delay: 75.836 ms

Loss rate: 0.00%

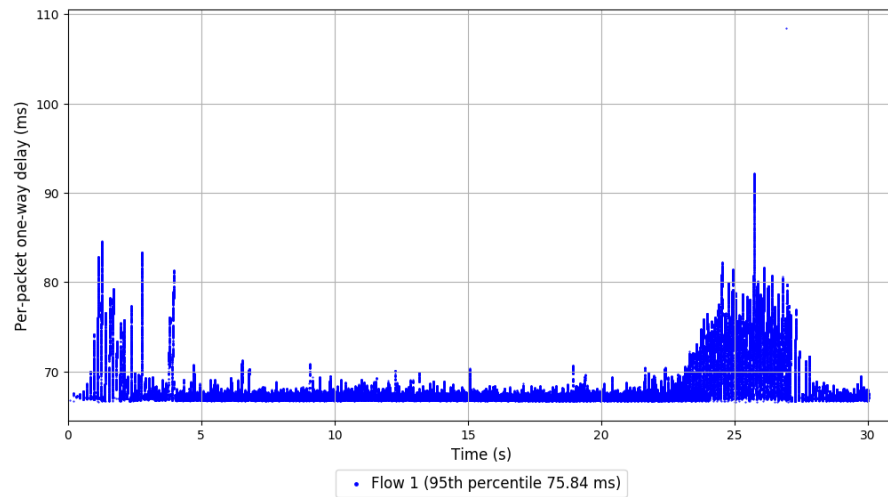
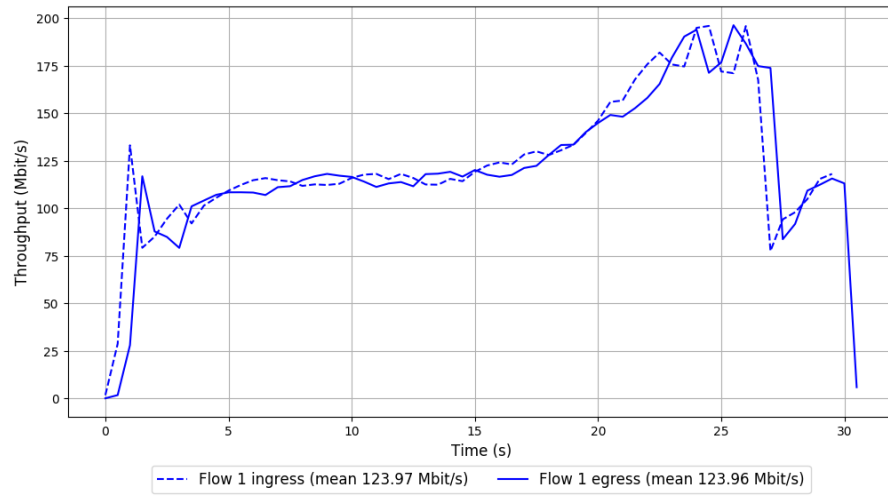
-- Flow 1:

Average throughput: 123.96 Mbit/s

95th percentile per-packet one-way delay: 75.836 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-10 21:33:38

End at: 2018-07-10 21:34:08

Local clock offset: 0.004 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-07-11 00:13:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 118.56 Mbit/s

95th percentile per-packet one-way delay: 76.165 ms

Loss rate: 0.00%

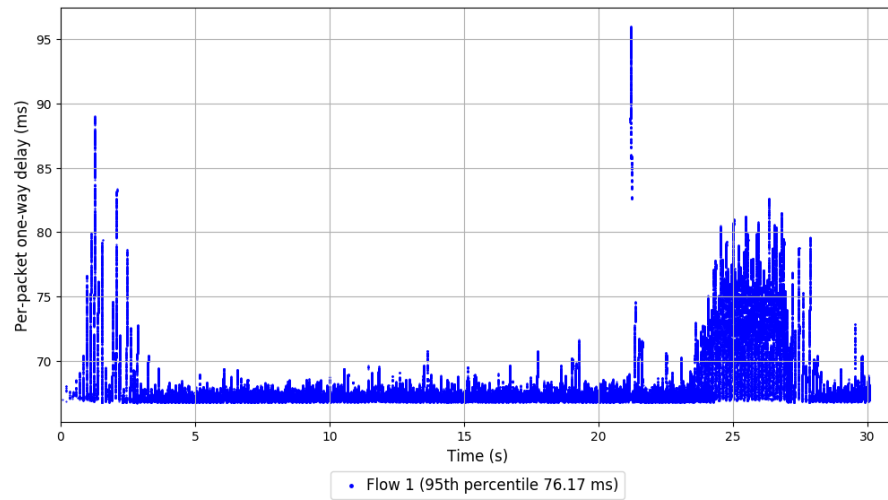
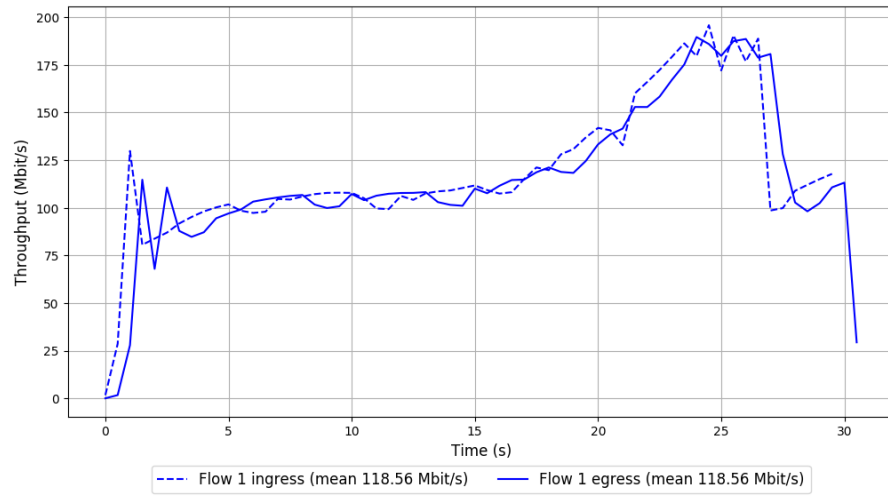
-- Flow 1:

Average throughput: 118.56 Mbit/s

95th percentile per-packet one-way delay: 76.165 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link

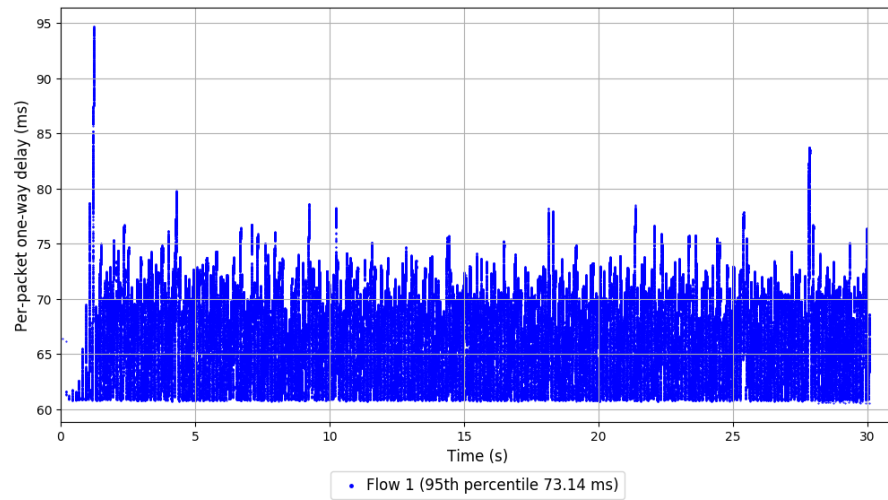
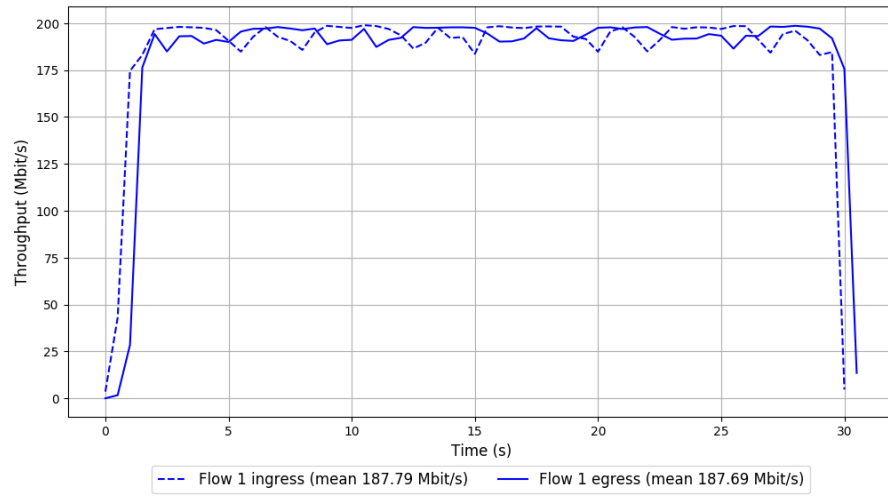


Run 5: Statistics of TCP Cubic

Start at: 2018-07-10 21:55:09
End at: 2018-07-10 21:55:39
Local clock offset: -0.034 ms
Remote clock offset: -0.348 ms

Below is generated by plot.py at 2018-07-11 00:15:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.69 Mbit/s
95th percentile per-packet one-way delay: 73.135 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 187.69 Mbit/s
95th percentile per-packet one-way delay: 73.135 ms
Loss rate: 0.07%

Run 5: Report of TCP Cubic — Data Link

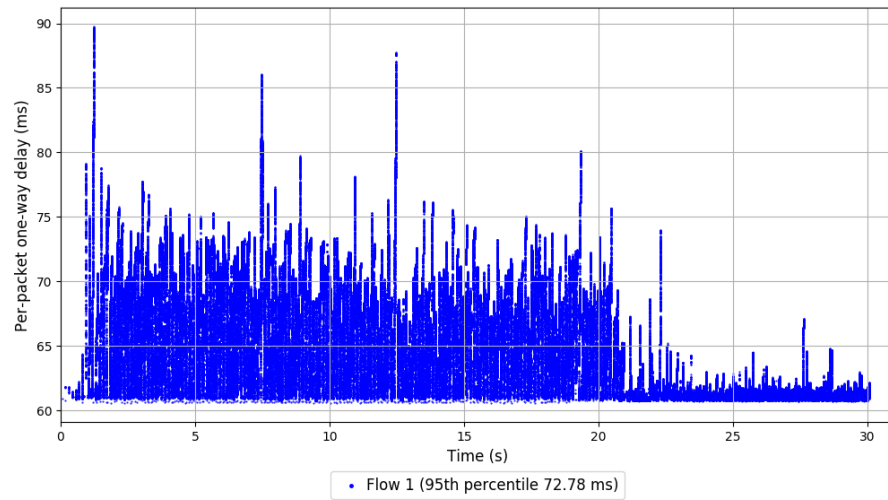
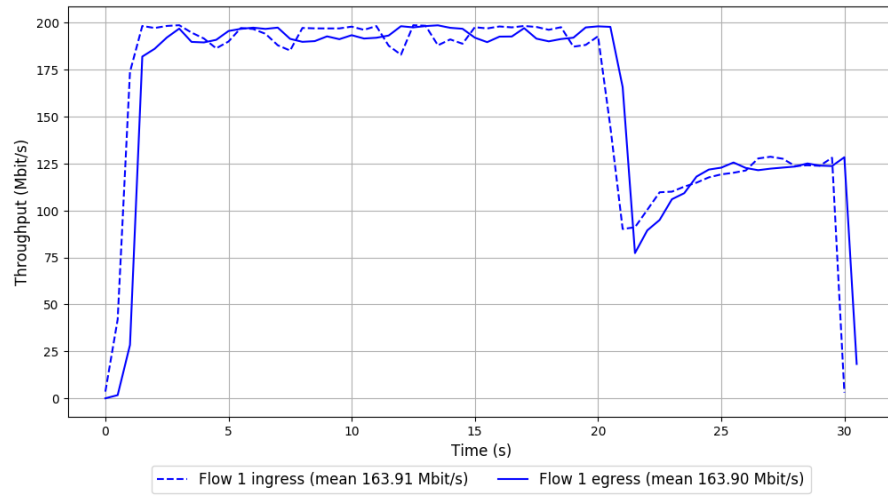


Run 6: Statistics of TCP Cubic

Start at: 2018-07-10 22:16:49
End at: 2018-07-10 22:17:19
Local clock offset: -0.012 ms
Remote clock offset: -0.283 ms

Below is generated by plot.py at 2018-07-11 00:15:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 163.90 Mbit/s
95th percentile per-packet one-way delay: 72.779 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 163.90 Mbit/s
95th percentile per-packet one-way delay: 72.779 ms
Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

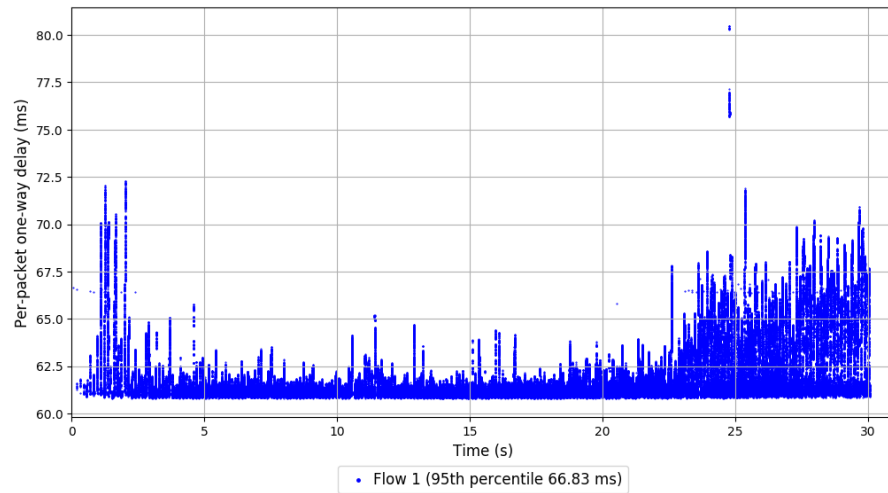
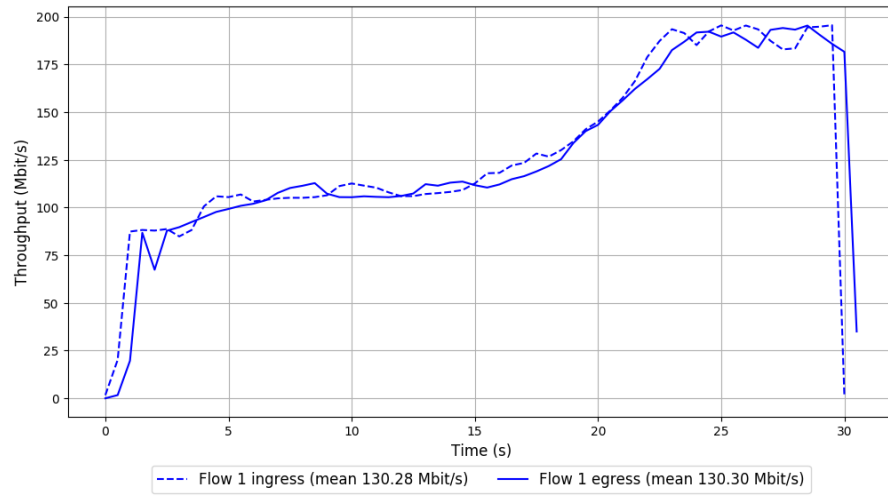


Run 7: Statistics of TCP Cubic

Start at: 2018-07-10 22:38:35
End at: 2018-07-10 22:39:05
Local clock offset: -0.056 ms
Remote clock offset: -0.326 ms

Below is generated by plot.py at 2018-07-11 00:15:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 130.30 Mbit/s
95th percentile per-packet one-way delay: 66.834 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 130.30 Mbit/s
95th percentile per-packet one-way delay: 66.834 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-10 23:00:25

End at: 2018-07-10 23:00:55

Local clock offset: 0.038 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-07-11 00:16:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 184.68 Mbit/s

95th percentile per-packet one-way delay: 71.438 ms

Loss rate: 0.00%

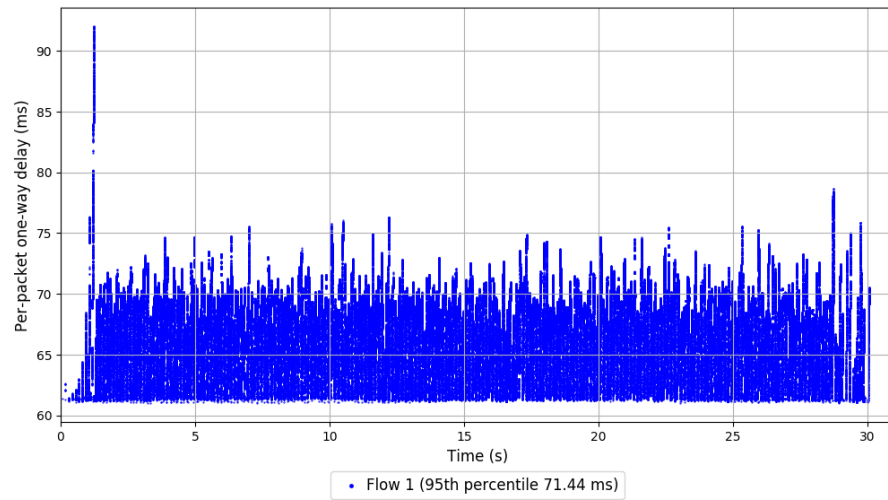
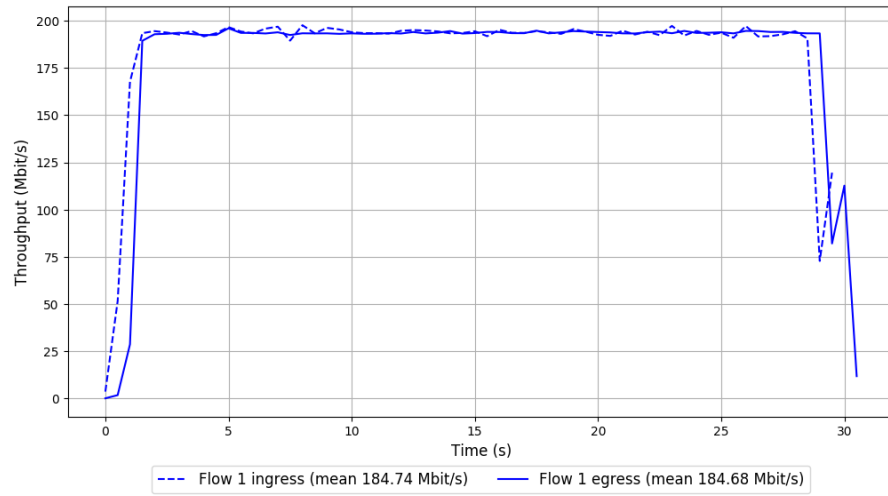
-- Flow 1:

Average throughput: 184.68 Mbit/s

95th percentile per-packet one-way delay: 71.438 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link

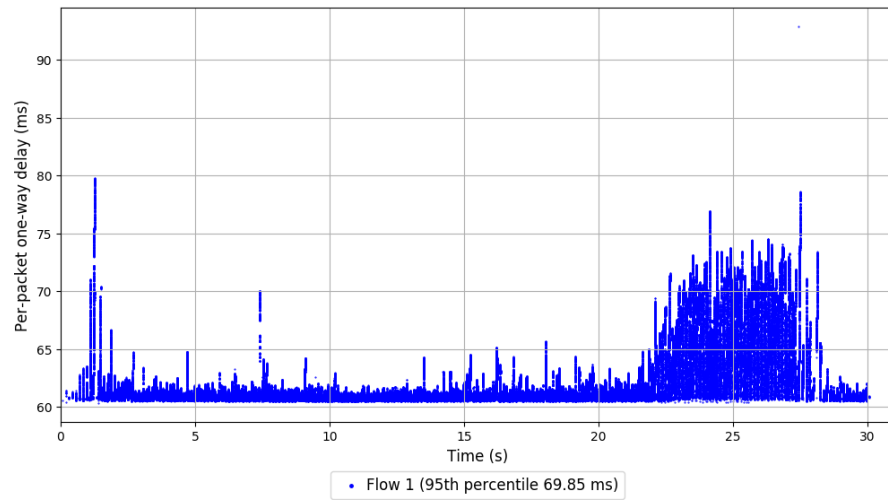
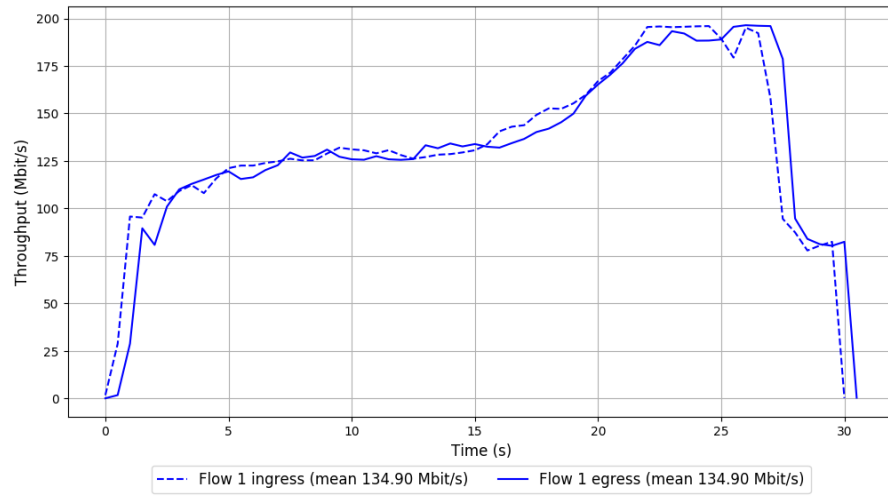


Run 9: Statistics of TCP Cubic

Start at: 2018-07-10 23:21:52
End at: 2018-07-10 23:22:22
Local clock offset: -0.02 ms
Remote clock offset: -0.499 ms

Below is generated by plot.py at 2018-07-11 00:16:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 134.90 Mbit/s
95th percentile per-packet one-way delay: 69.853 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 134.90 Mbit/s
95th percentile per-packet one-way delay: 69.853 ms
Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-10 23:43:34

End at: 2018-07-10 23:44:04

Local clock offset: -0.021 ms

Remote clock offset: -0.324 ms

Below is generated by plot.py at 2018-07-11 00:16:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 116.03 Mbit/s

95th percentile per-packet one-way delay: 73.038 ms

Loss rate: 0.00%

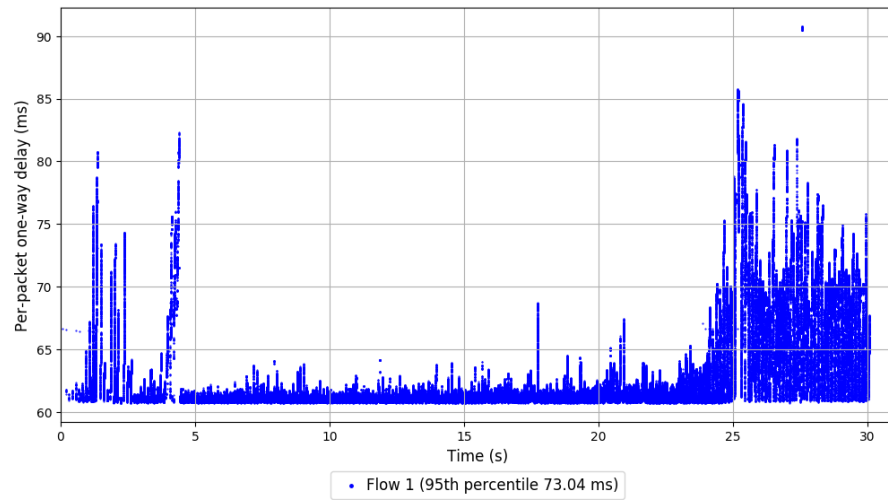
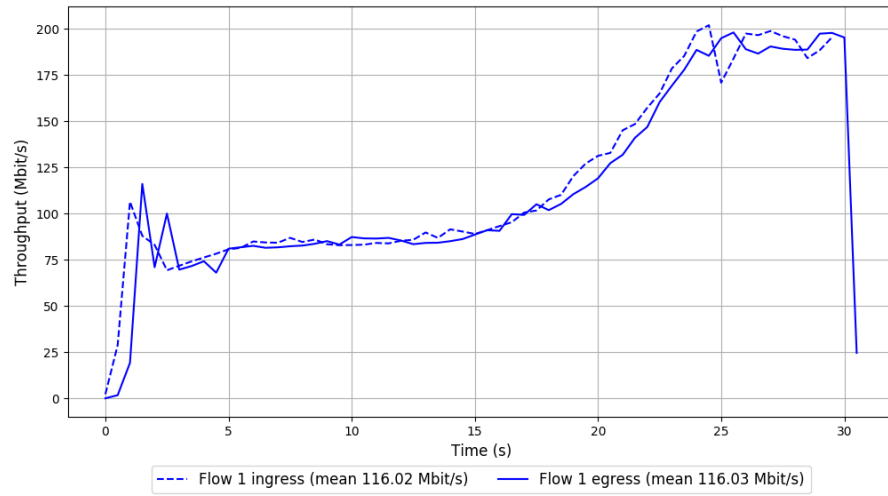
-- Flow 1:

Average throughput: 116.03 Mbit/s

95th percentile per-packet one-way delay: 73.038 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

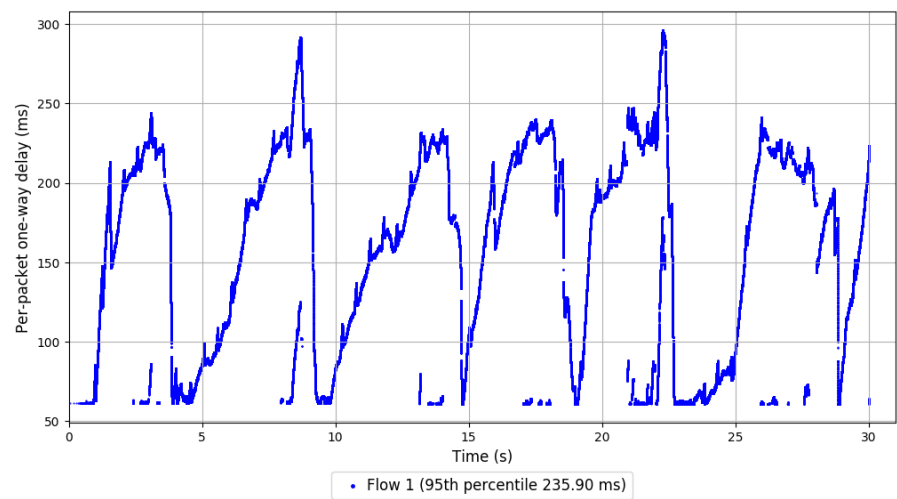
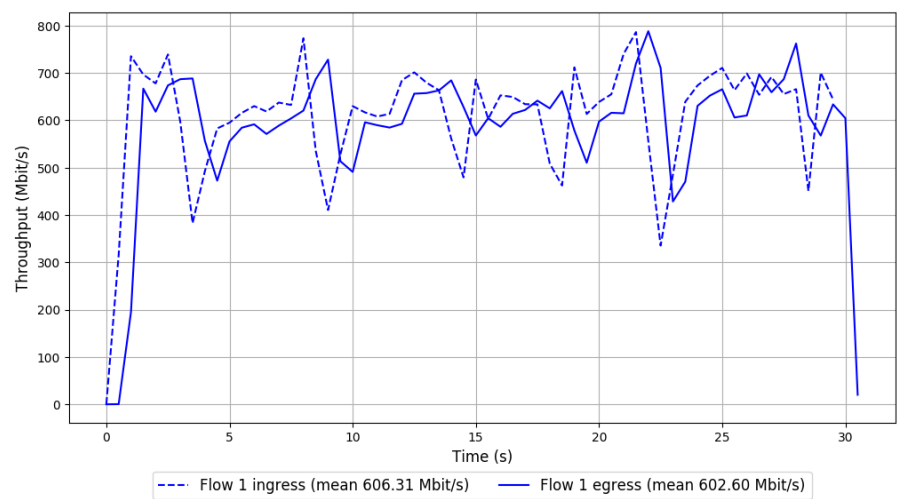


Run 1: Statistics of FillP

Start at: 2018-07-10 20:17:45
End at: 2018-07-10 20:18:15
Local clock offset: -0.037 ms
Remote clock offset: -0.196 ms

Below is generated by plot.py at 2018-07-11 00:27:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 602.60 Mbit/s
95th percentile per-packet one-way delay: 235.897 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 602.60 Mbit/s
95th percentile per-packet one-way delay: 235.897 ms
Loss rate: 0.61%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-10 20:39:16

End at: 2018-07-10 20:39:46

Local clock offset: 0.12 ms

Remote clock offset: 0.087 ms

Below is generated by plot.py at 2018-07-11 00:27:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 148.52 Mbit/s

95th percentile per-packet one-way delay: 255.499 ms

Loss rate: 0.02%

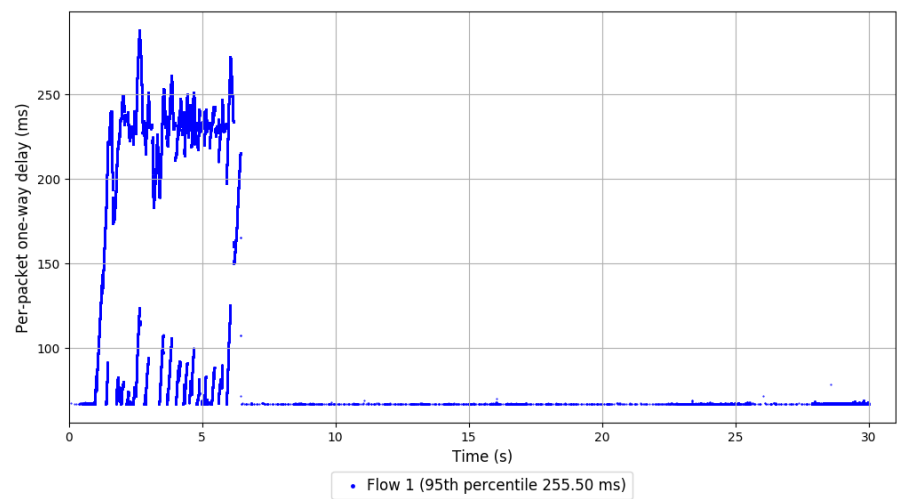
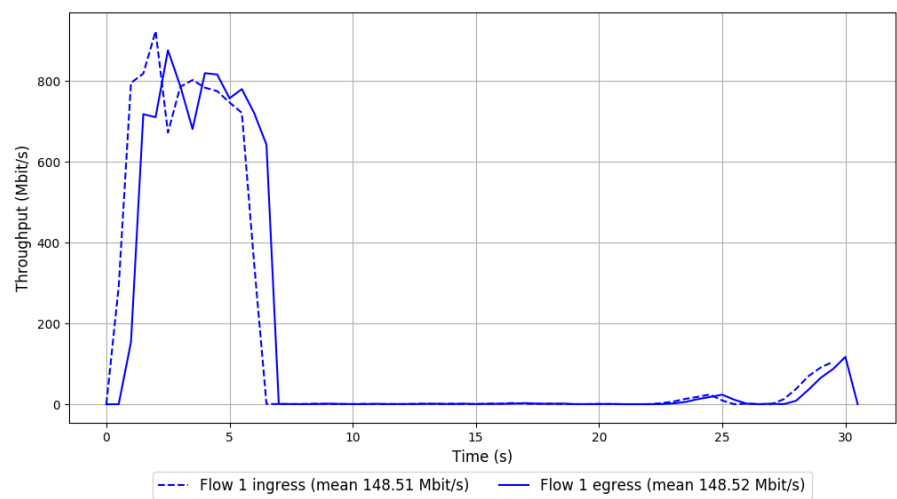
-- Flow 1:

Average throughput: 148.52 Mbit/s

95th percentile per-packet one-way delay: 255.499 ms

Loss rate: 0.02%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-10 21:00:16

End at: 2018-07-10 21:00:46

Local clock offset: 0.028 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-07-11 00:30:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 719.09 Mbit/s

95th percentile per-packet one-way delay: 251.286 ms

Loss rate: 0.22%

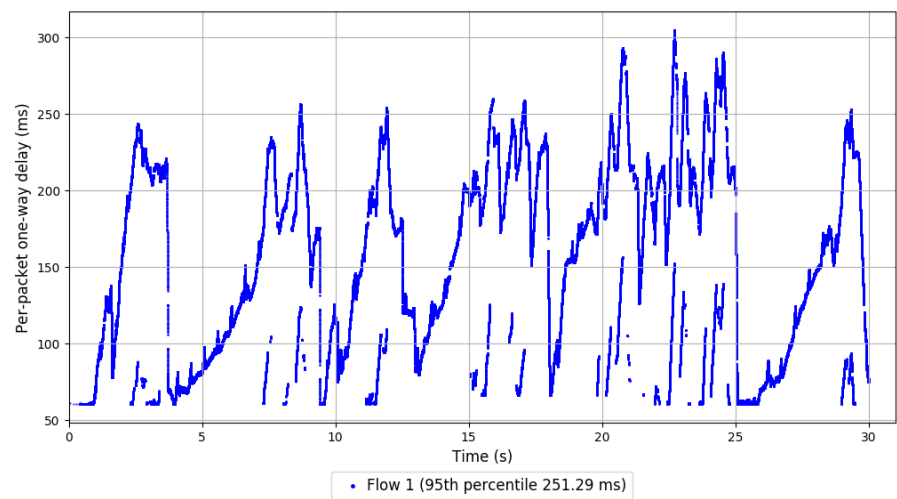
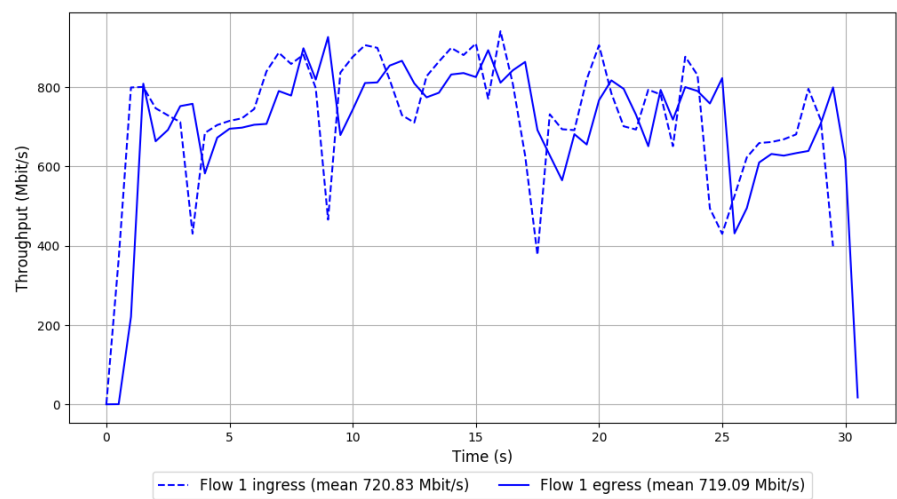
-- Flow 1:

Average throughput: 719.09 Mbit/s

95th percentile per-packet one-way delay: 251.286 ms

Loss rate: 0.22%

Run 3: Report of FillP — Data Link

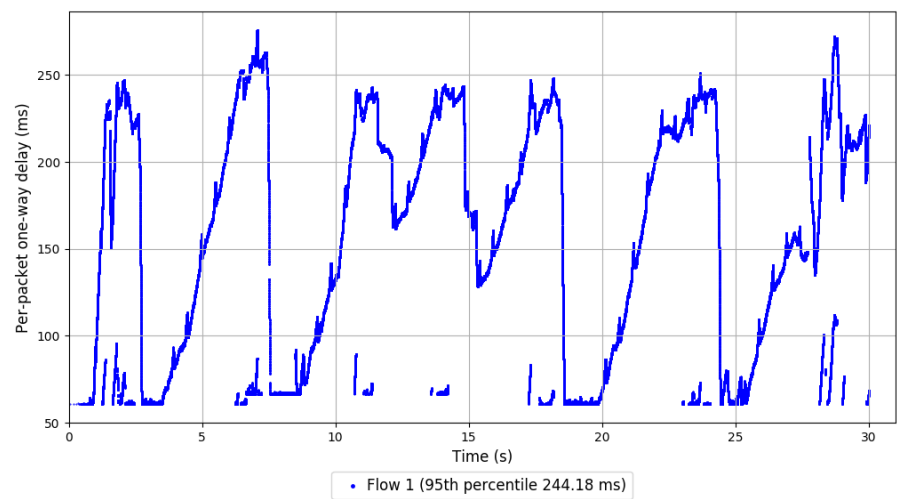
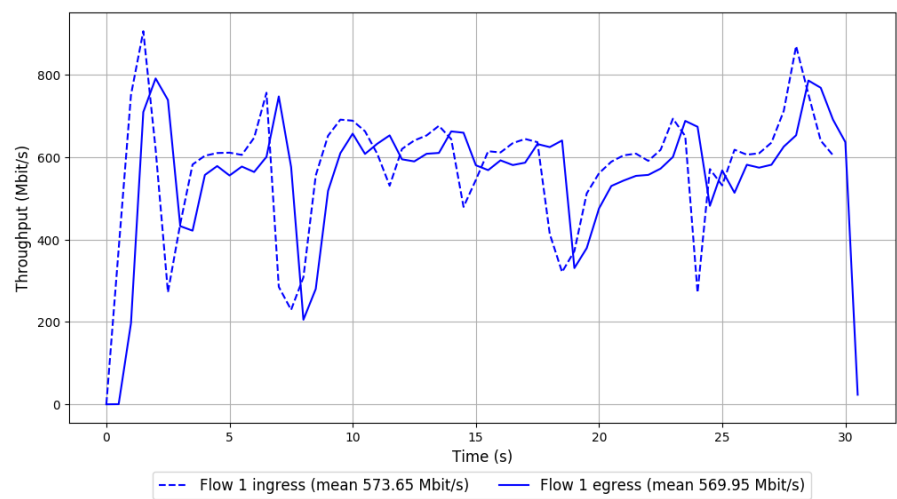


Run 4: Statistics of FillP

Start at: 2018-07-10 21:22:51
End at: 2018-07-10 21:23:21
Local clock offset: 0.034 ms
Remote clock offset: -0.178 ms

Below is generated by plot.py at 2018-07-11 00:30:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 569.95 Mbit/s
95th percentile per-packet one-way delay: 244.176 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 569.95 Mbit/s
95th percentile per-packet one-way delay: 244.176 ms
Loss rate: 0.62%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-10 21:44:14

End at: 2018-07-10 21:44:44

Local clock offset: -0.014 ms

Remote clock offset: 0.174 ms

Below is generated by plot.py at 2018-07-11 00:30:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 572.52 Mbit/s

95th percentile per-packet one-way delay: 257.535 ms

Loss rate: 0.01%

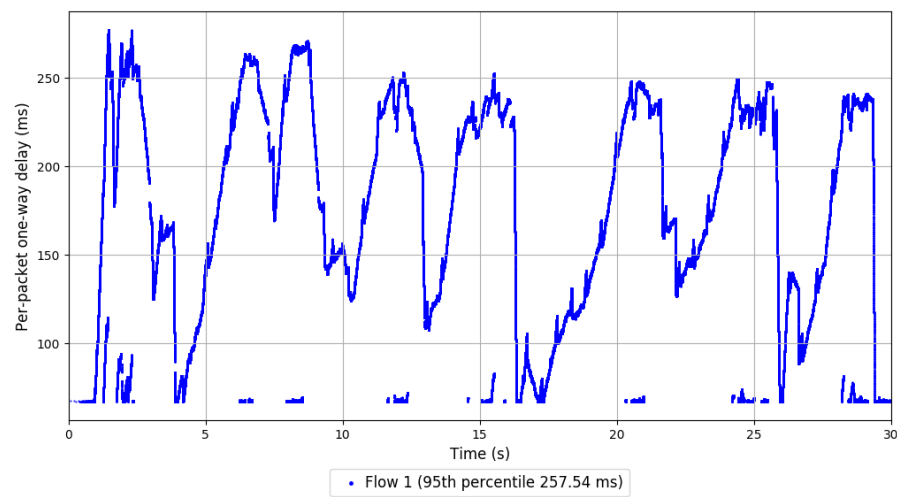
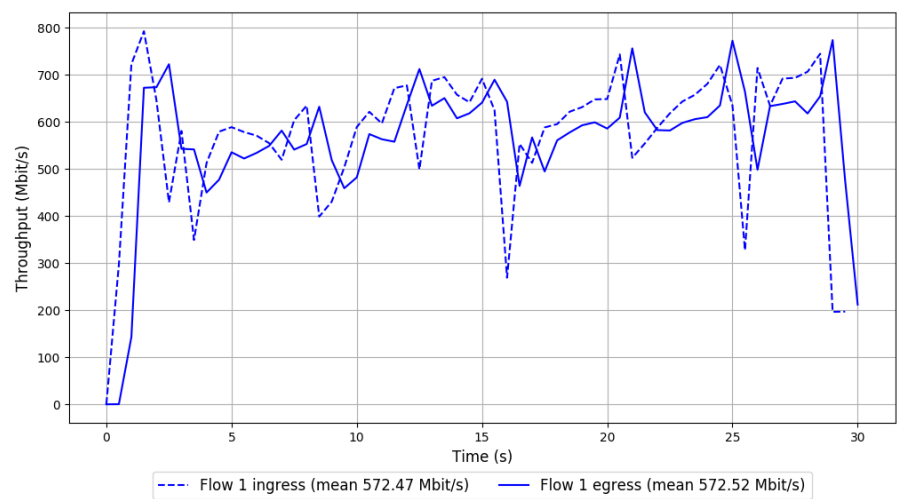
-- Flow 1:

Average throughput: 572.52 Mbit/s

95th percentile per-packet one-way delay: 257.535 ms

Loss rate: 0.01%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-10 22:05:57

End at: 2018-07-10 22:06:27

Local clock offset: -0.035 ms

Remote clock offset: 0.153 ms

Below is generated by plot.py at 2018-07-11 00:30:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 594.48 Mbit/s

95th percentile per-packet one-way delay: 243.580 ms

Loss rate: 0.33%

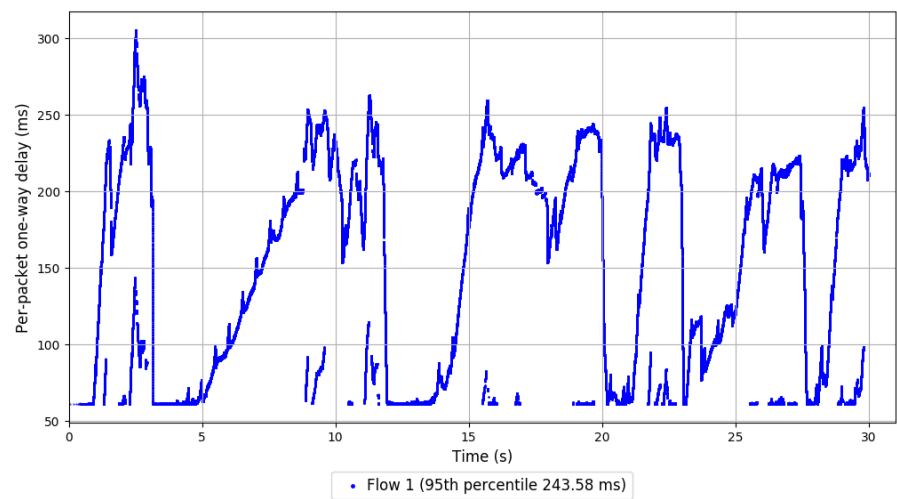
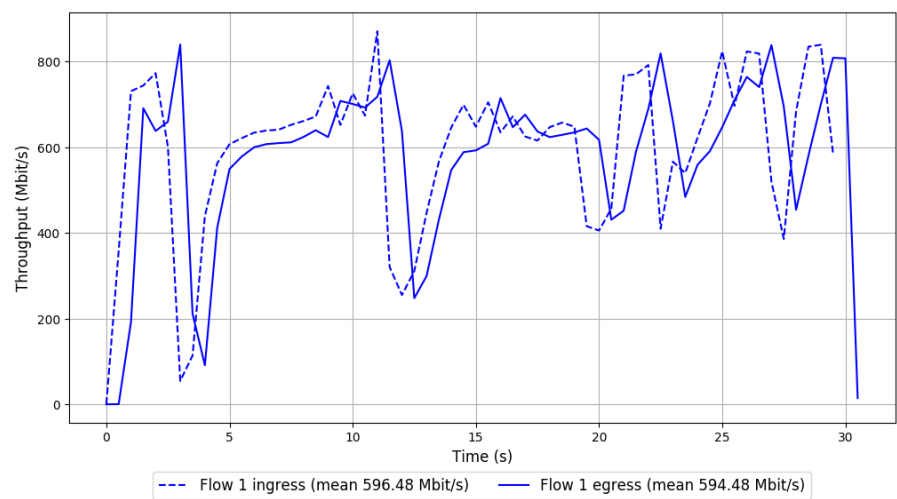
-- Flow 1:

Average throughput: 594.48 Mbit/s

95th percentile per-packet one-way delay: 243.580 ms

Loss rate: 0.33%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-10 22:27:40

End at: 2018-07-10 22:28:10

Local clock offset: -0.043 ms

Remote clock offset: 0.207 ms

Below is generated by plot.py at 2018-07-11 00:30:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 596.12 Mbit/s

95th percentile per-packet one-way delay: 243.373 ms

Loss rate: 0.29%

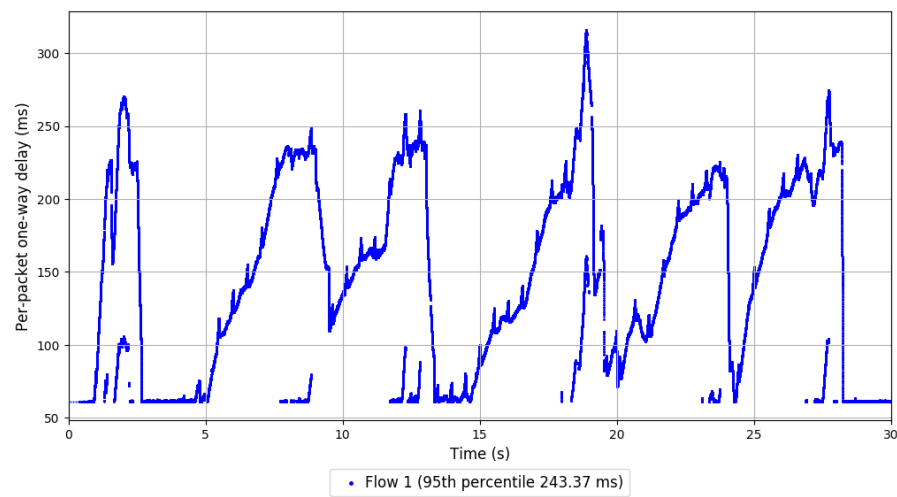
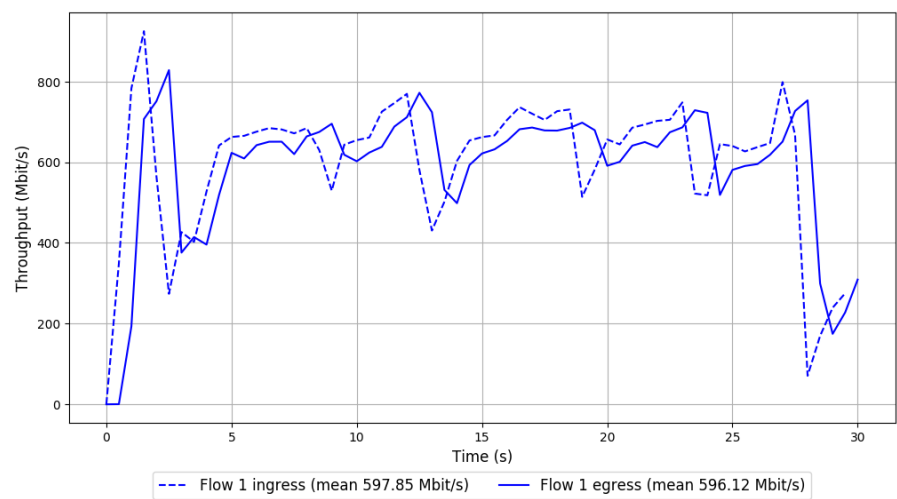
-- Flow 1:

Average throughput: 596.12 Mbit/s

95th percentile per-packet one-way delay: 243.373 ms

Loss rate: 0.29%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-10 22:49:26

End at: 2018-07-10 22:49:56

Local clock offset: -0.043 ms

Remote clock offset: 1.315 ms

Below is generated by plot.py at 2018-07-11 00:30:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 573.66 Mbit/s

95th percentile per-packet one-way delay: 242.731 ms

Loss rate: 0.63%

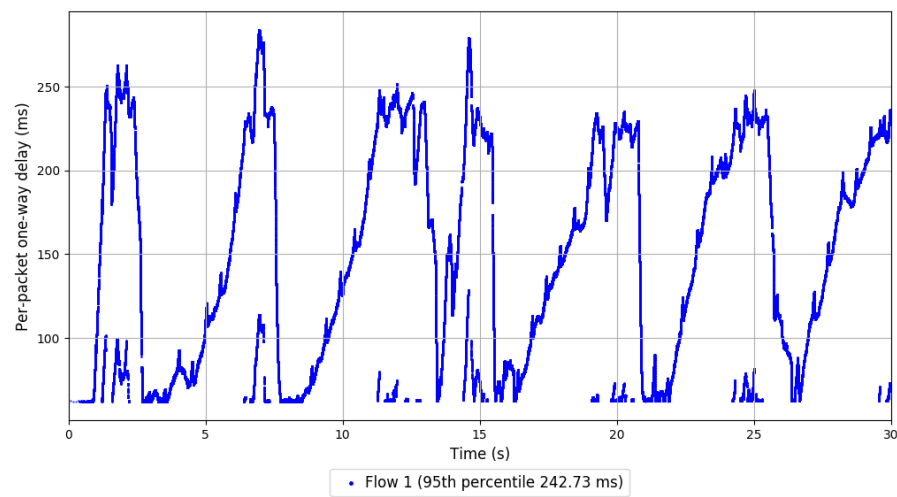
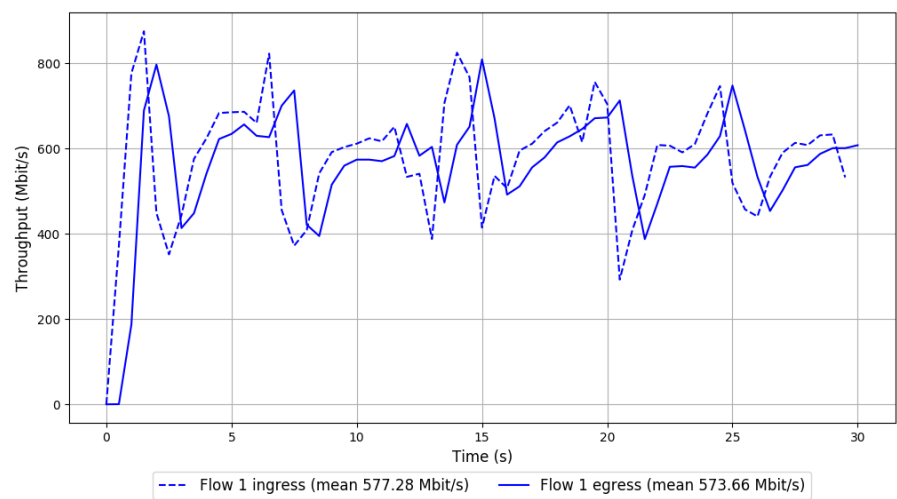
-- Flow 1:

Average throughput: 573.66 Mbit/s

95th percentile per-packet one-way delay: 242.731 ms

Loss rate: 0.63%

Run 8: Report of FillP — Data Link

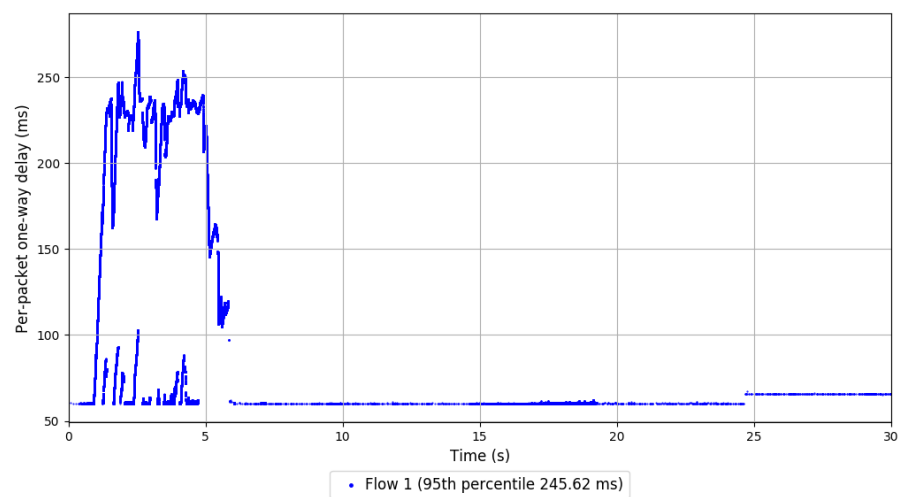
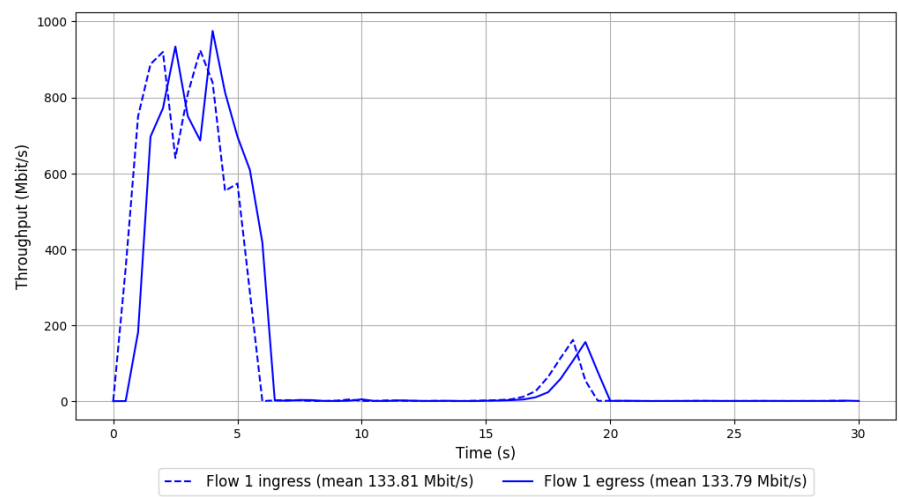


Run 9: Statistics of FillP

Start at: 2018-07-10 23:11:23
End at: 2018-07-10 23:11:53
Local clock offset: -0.033 ms
Remote clock offset: -1.264 ms

Below is generated by plot.py at 2018-07-11 00:30:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 133.79 Mbit/s
95th percentile per-packet one-way delay: 245.624 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 133.79 Mbit/s
95th percentile per-packet one-way delay: 245.624 ms
Loss rate: 0.00%

Run 9: Report of FillP — Data Link

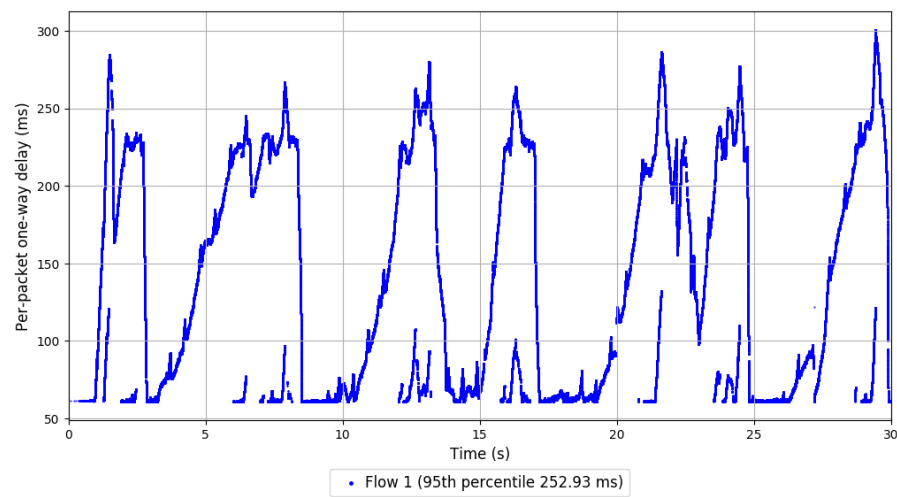
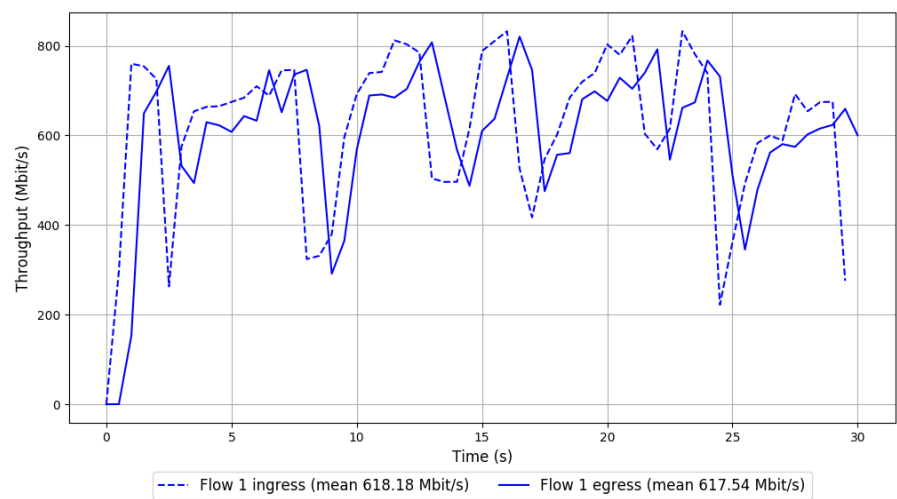


Run 10: Statistics of FillP

Start at: 2018-07-10 23:32:46
End at: 2018-07-10 23:33:16
Local clock offset: -0.067 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-07-11 00:33:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 617.54 Mbit/s
95th percentile per-packet one-way delay: 252.928 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 617.54 Mbit/s
95th percentile per-packet one-way delay: 252.928 ms
Loss rate: 0.10%

Run 10: Report of FillP — Data Link

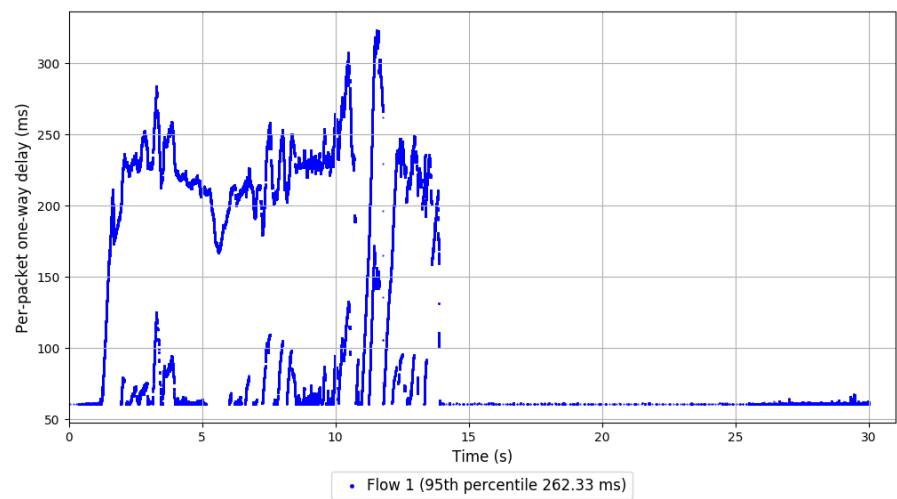
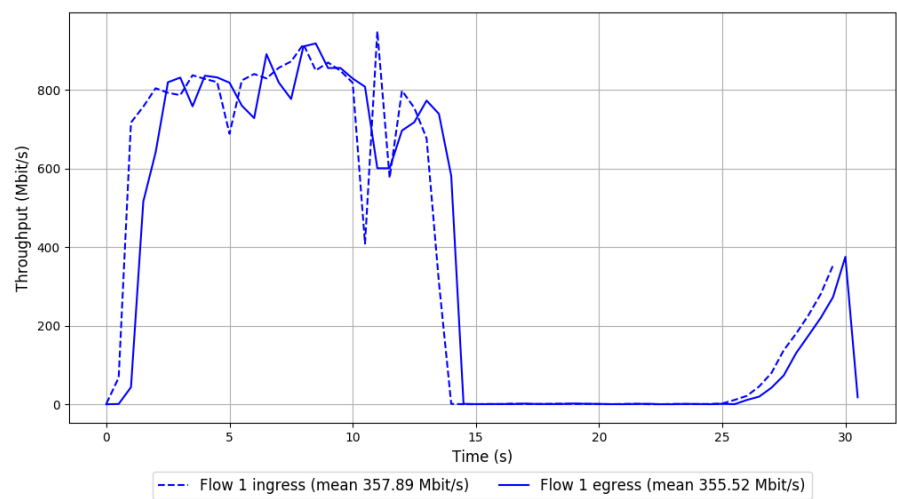


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-10 20:19:17
End at: 2018-07-10 20:19:47
Local clock offset: 0.028 ms
Remote clock offset: -0.399 ms

Below is generated by plot.py at 2018-07-11 00:34:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 355.52 Mbit/s
95th percentile per-packet one-way delay: 262.326 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 355.52 Mbit/s
95th percentile per-packet one-way delay: 262.326 ms
Loss rate: 0.66%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-10 20:40:28

End at: 2018-07-10 20:40:58

Local clock offset: 0.058 ms

Remote clock offset: 1.327 ms

Below is generated by plot.py at 2018-07-11 00:39:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 532.82 Mbit/s

95th percentile per-packet one-way delay: 289.163 ms

Loss rate: 1.32%

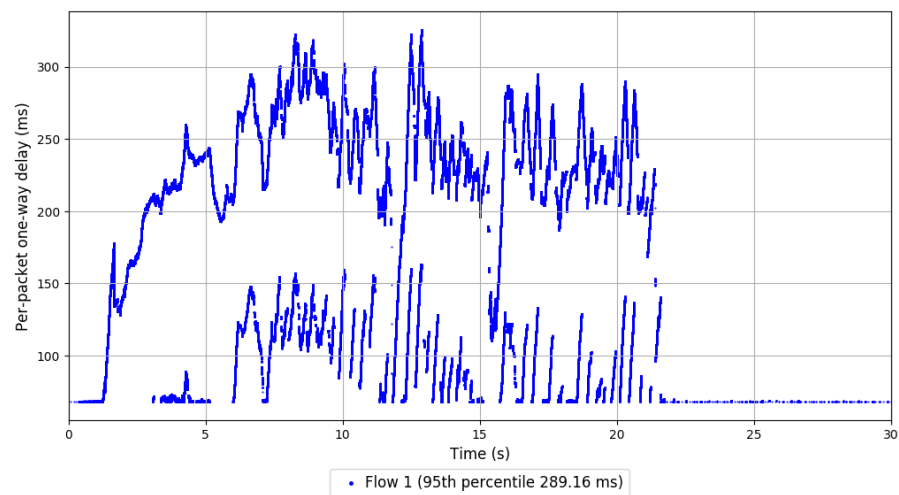
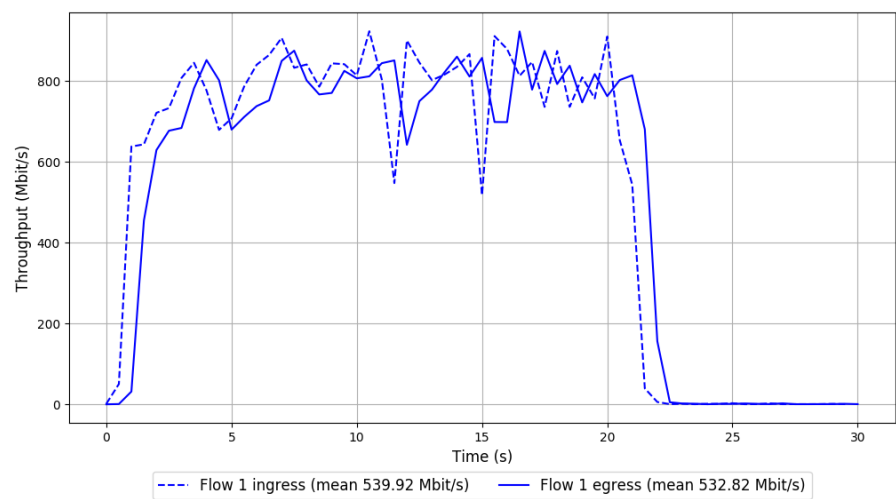
-- Flow 1:

Average throughput: 532.82 Mbit/s

95th percentile per-packet one-way delay: 289.163 ms

Loss rate: 1.32%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-10 21:01:52

End at: 2018-07-10 21:02:22

Local clock offset: 0.033 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-07-11 00:39:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 579.58 Mbit/s

95th percentile per-packet one-way delay: 276.741 ms

Loss rate: 0.76%

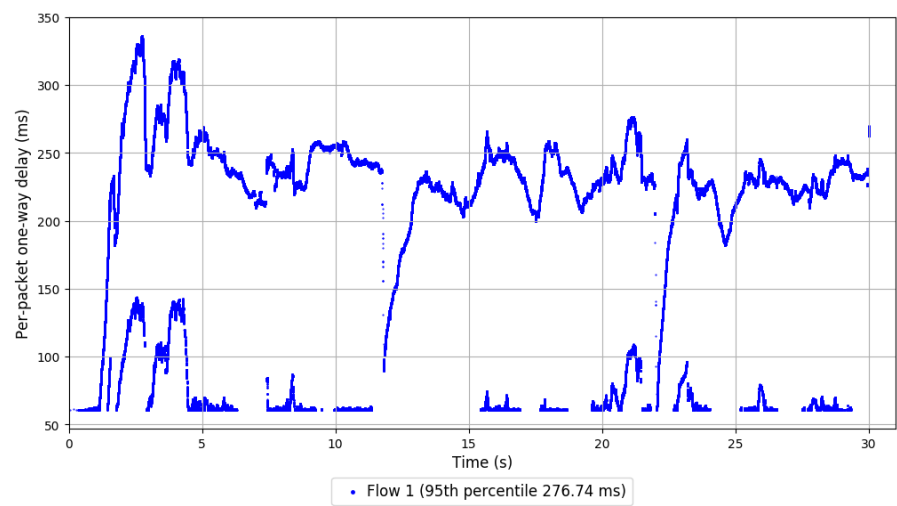
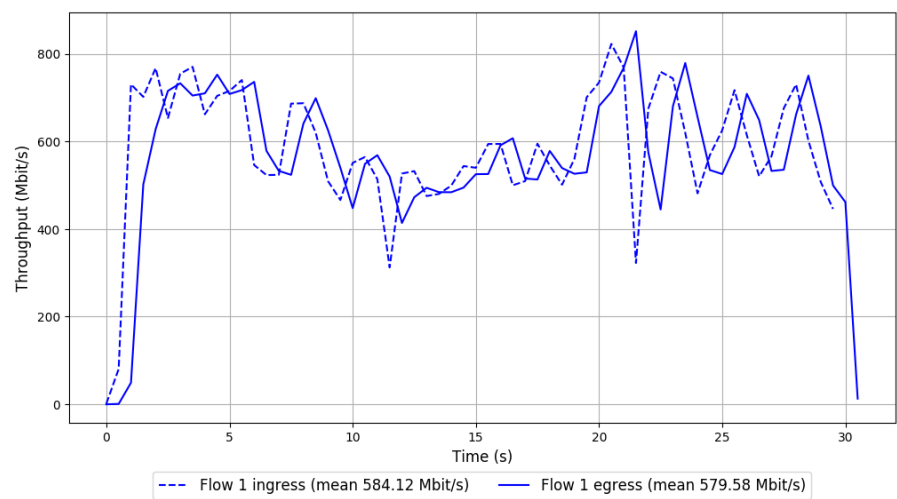
-- Flow 1:

Average throughput: 579.58 Mbit/s

95th percentile per-packet one-way delay: 276.741 ms

Loss rate: 0.76%

Run 3: Report of FillP-Sheep — Data Link

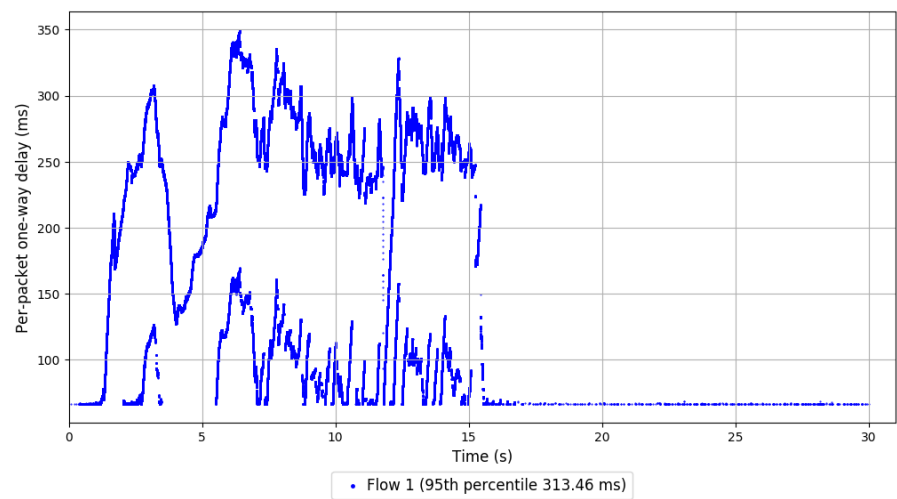
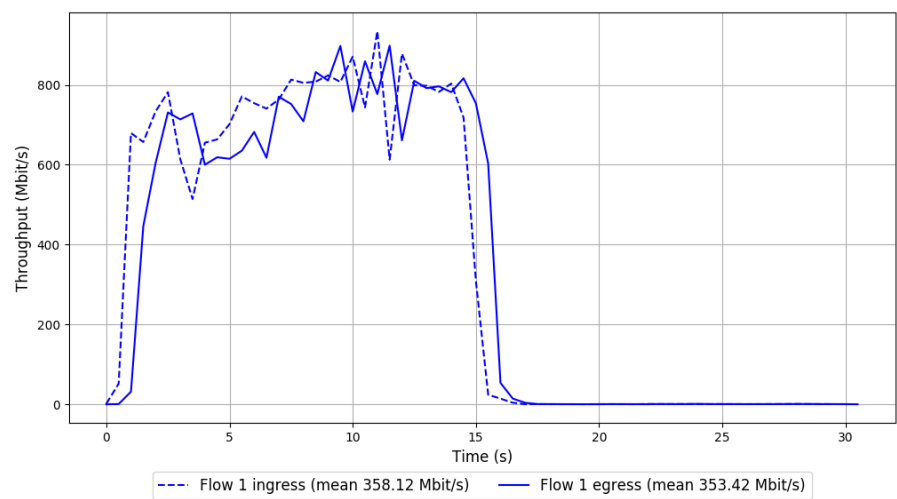


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-10 21:24:20
End at: 2018-07-10 21:24:50
Local clock offset: 0.03 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-07-11 00:39:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 353.42 Mbit/s
95th percentile per-packet one-way delay: 313.462 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 353.42 Mbit/s
95th percentile per-packet one-way delay: 313.462 ms
Loss rate: 1.31%

Run 4: Report of FillP-Sheep — Data Link

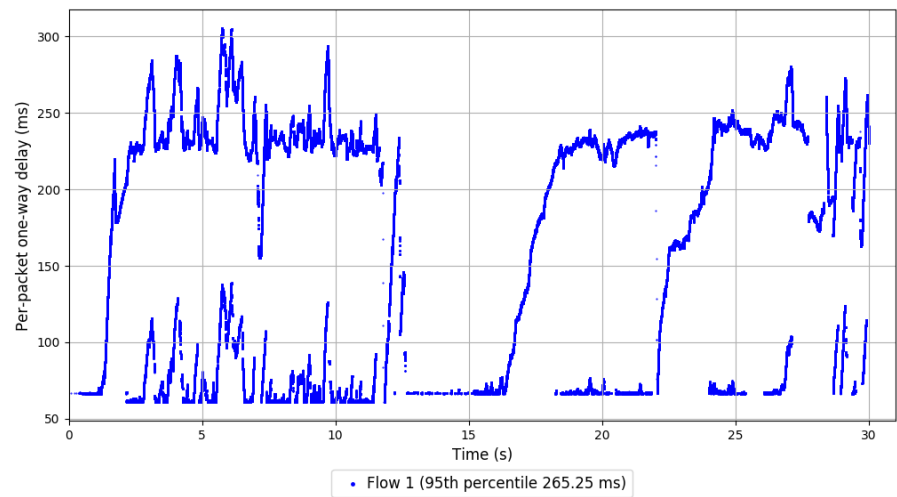
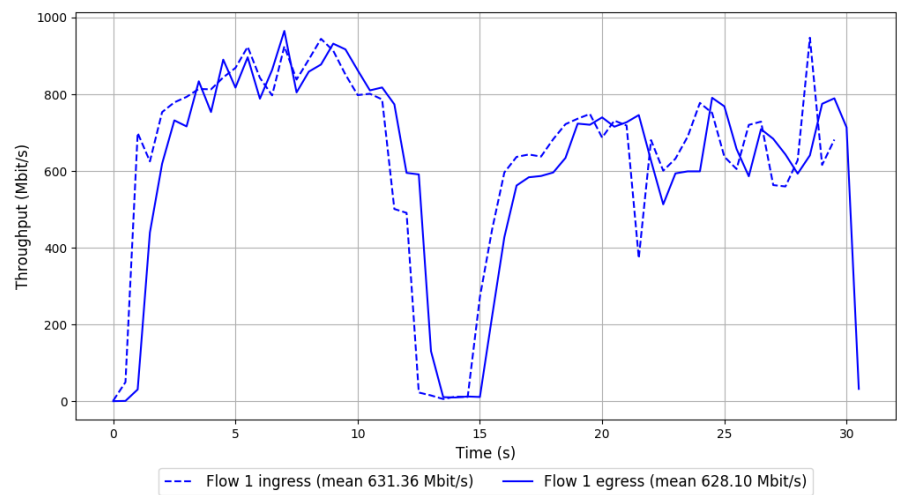


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-10 21:45:46
End at: 2018-07-10 21:46:16
Local clock offset: 0.041 ms
Remote clock offset: -0.161 ms

Below is generated by plot.py at 2018-07-11 00:42:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 628.10 Mbit/s
95th percentile per-packet one-way delay: 265.249 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 628.10 Mbit/s
95th percentile per-packet one-way delay: 265.249 ms
Loss rate: 0.53%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-10 22:07:28

End at: 2018-07-10 22:07:58

Local clock offset: -0.011 ms

Remote clock offset: 0.157 ms

Below is generated by plot.py at 2018-07-11 00:42:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 310.00 Mbit/s

95th percentile per-packet one-way delay: 266.753 ms

Loss rate: 0.43%

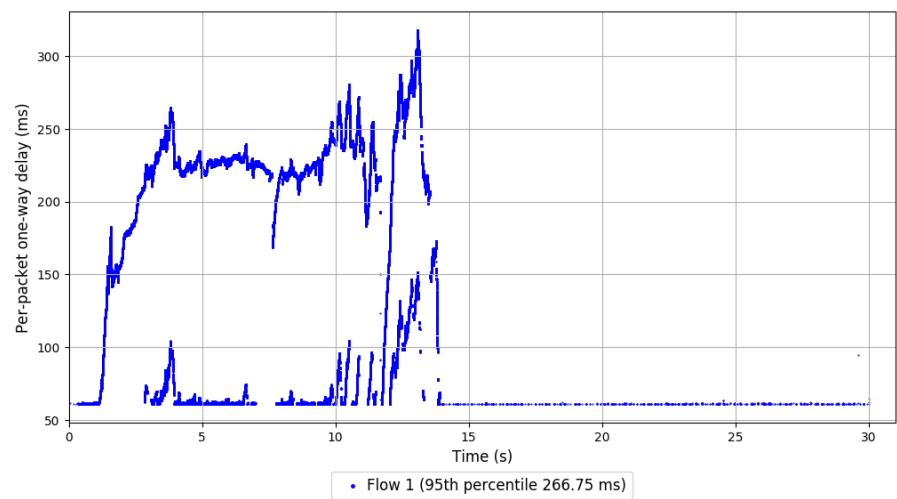
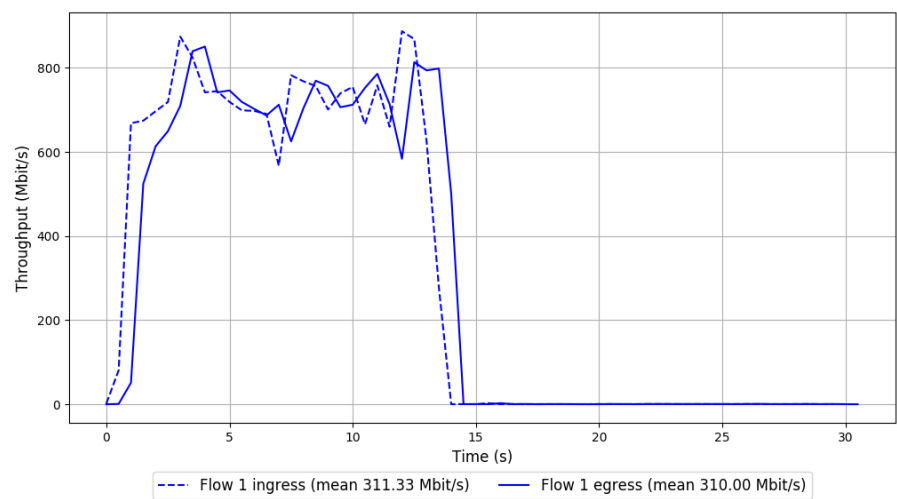
-- Flow 1:

Average throughput: 310.00 Mbit/s

95th percentile per-packet one-way delay: 266.753 ms

Loss rate: 0.43%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-10 22:29:11

End at: 2018-07-10 22:29:41

Local clock offset: -0.051 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-07-11 00:45:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 628.79 Mbit/s

95th percentile per-packet one-way delay: 276.261 ms

Loss rate: 0.55%

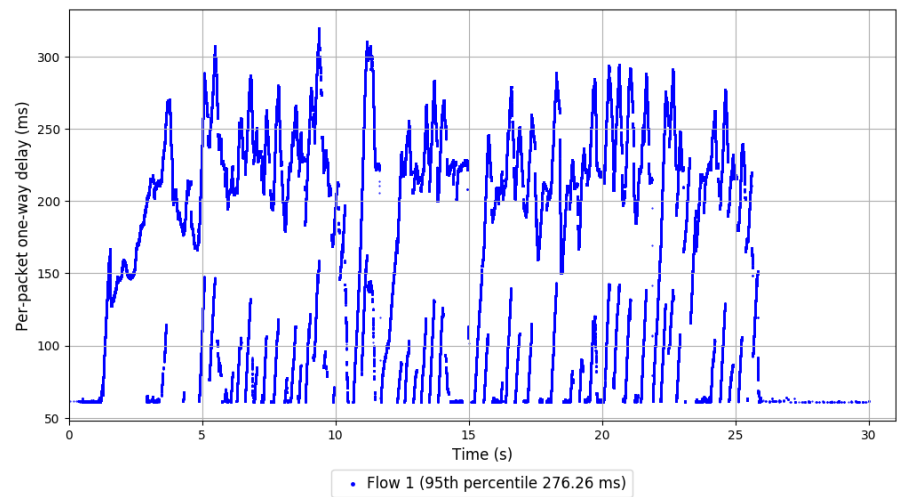
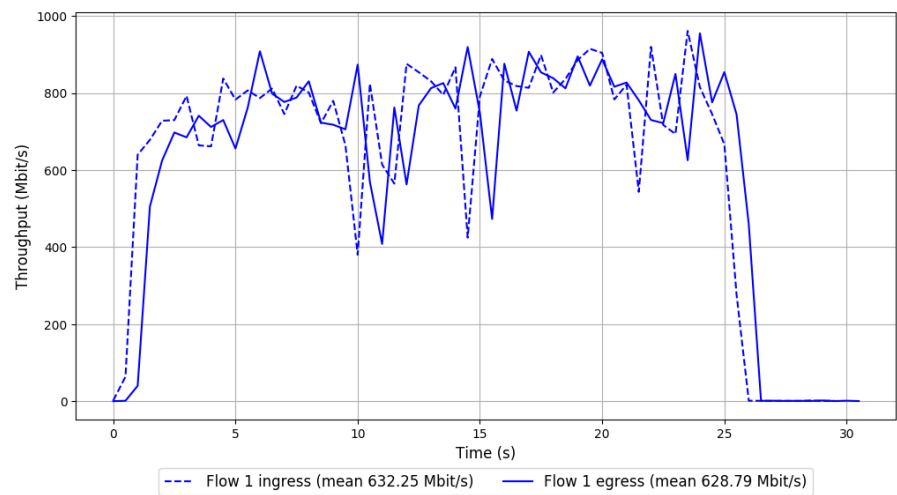
-- Flow 1:

Average throughput: 628.79 Mbit/s

95th percentile per-packet one-way delay: 276.261 ms

Loss rate: 0.55%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-10 22:50:57

End at: 2018-07-10 22:51:27

Local clock offset: -0.055 ms

Remote clock offset: -0.15 ms

Below is generated by plot.py at 2018-07-11 00:49:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 674.18 Mbit/s

95th percentile per-packet one-way delay: 259.991 ms

Loss rate: 1.54%

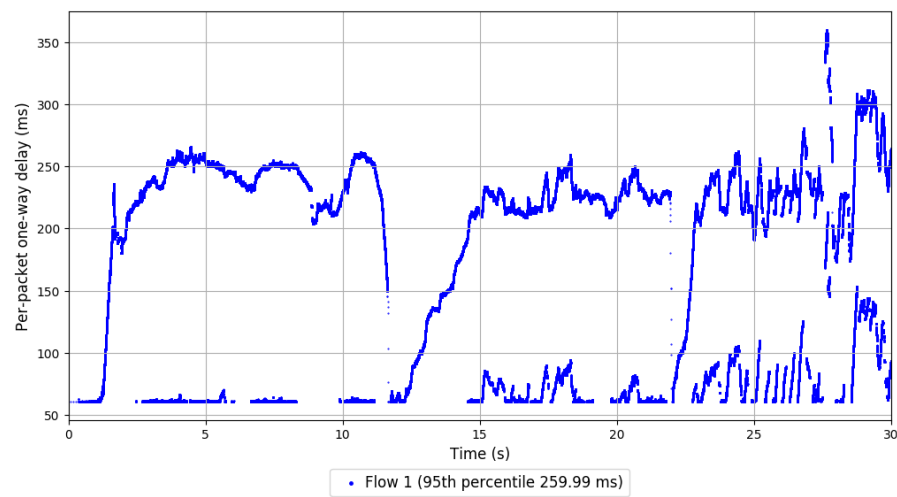
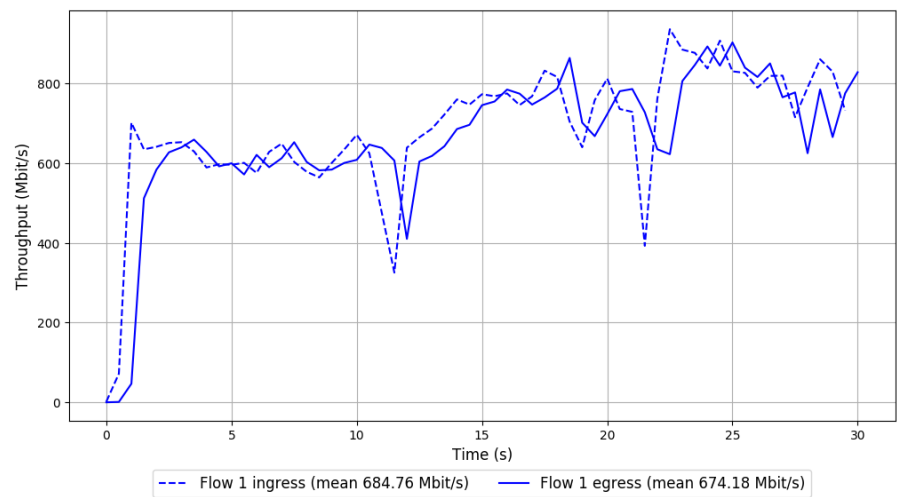
-- Flow 1:

Average throughput: 674.18 Mbit/s

95th percentile per-packet one-way delay: 259.991 ms

Loss rate: 1.54%

Run 8: Report of FillP-Sheep — Data Link

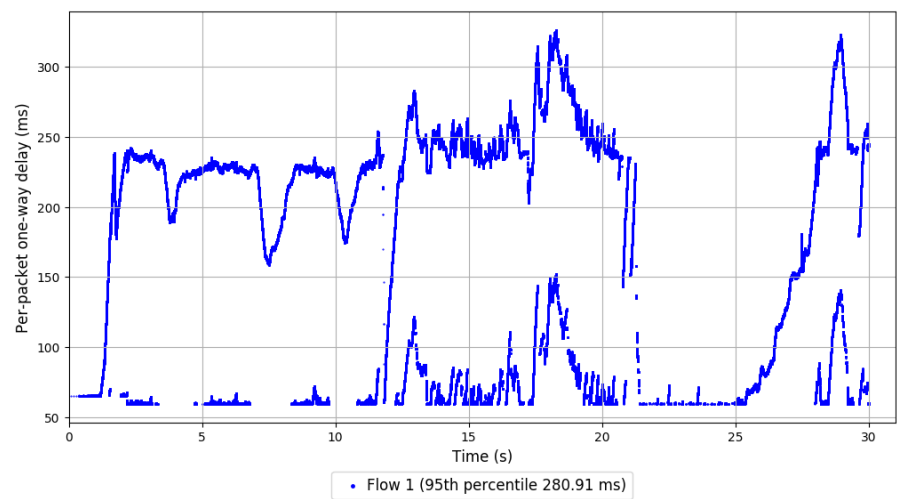
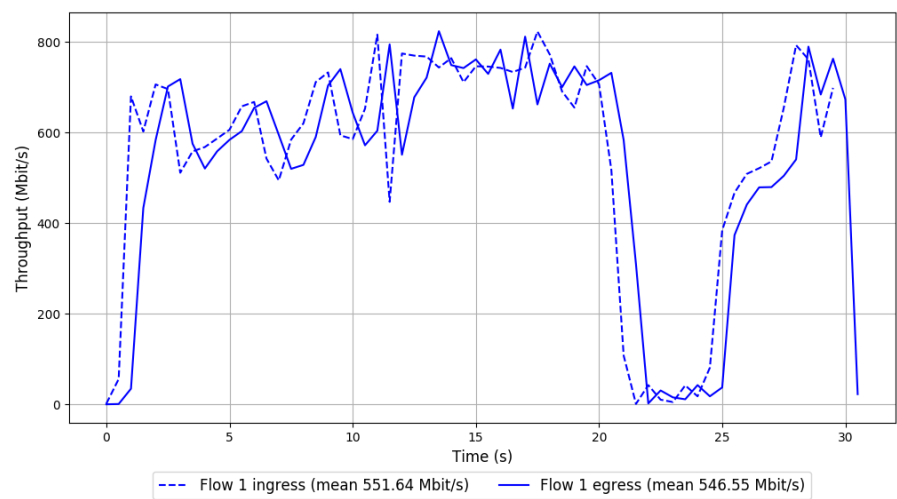


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-10 23:12:35
End at: 2018-07-10 23:13:05
Local clock offset: -0.059 ms
Remote clock offset: -1.505 ms

Below is generated by plot.py at 2018-07-11 00:49:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 546.55 Mbit/s
95th percentile per-packet one-way delay: 280.913 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 546.55 Mbit/s
95th percentile per-packet one-way delay: 280.913 ms
Loss rate: 0.94%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-10 23:34:19

End at: 2018-07-10 23:34:49

Local clock offset: -0.071 ms

Remote clock offset: 0.119 ms

Below is generated by plot.py at 2018-07-11 00:49:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.61 Mbit/s

95th percentile per-packet one-way delay: 312.482 ms

Loss rate: 1.11%

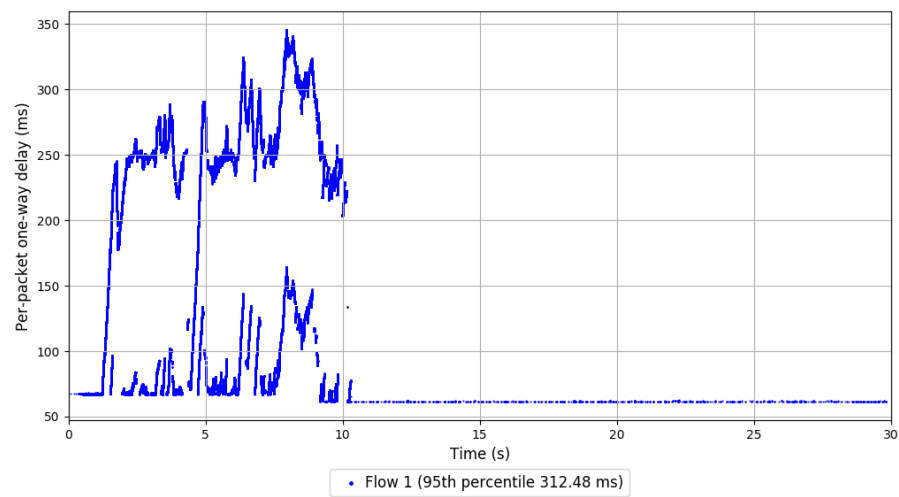
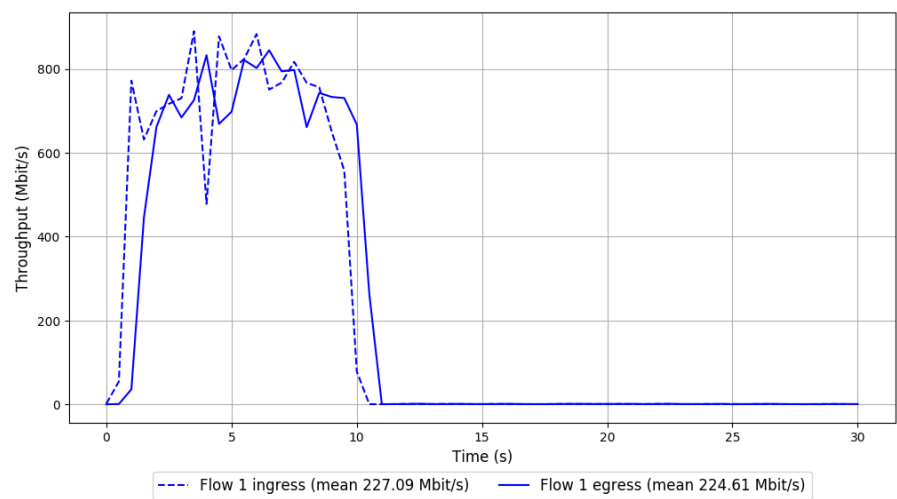
-- Flow 1:

Average throughput: 224.61 Mbit/s

95th percentile per-packet one-way delay: 312.482 ms

Loss rate: 1.11%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-07-10 20:23:29

End at: 2018-07-10 20:23:59

Local clock offset: 0.019 ms

Remote clock offset: -0.204 ms

Below is generated by plot.py at 2018-07-11 00:49:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 207.61 Mbit/s

95th percentile per-packet one-way delay: 62.696 ms

Loss rate: 0.00%

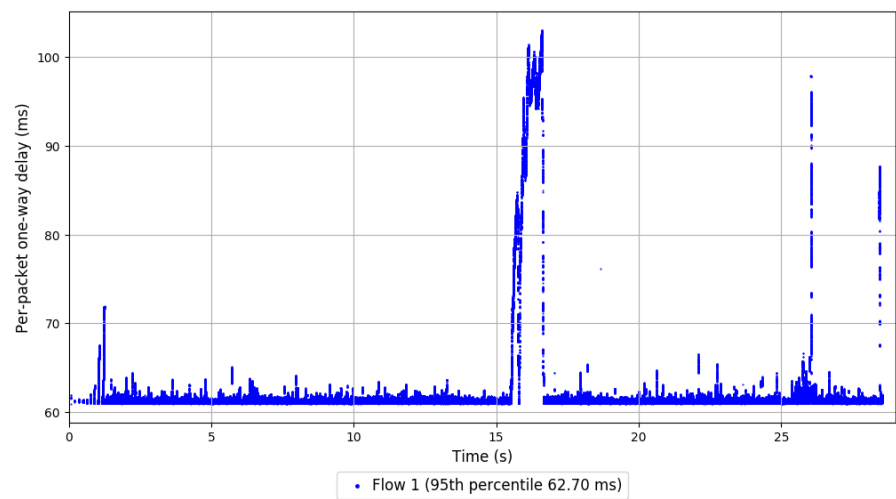
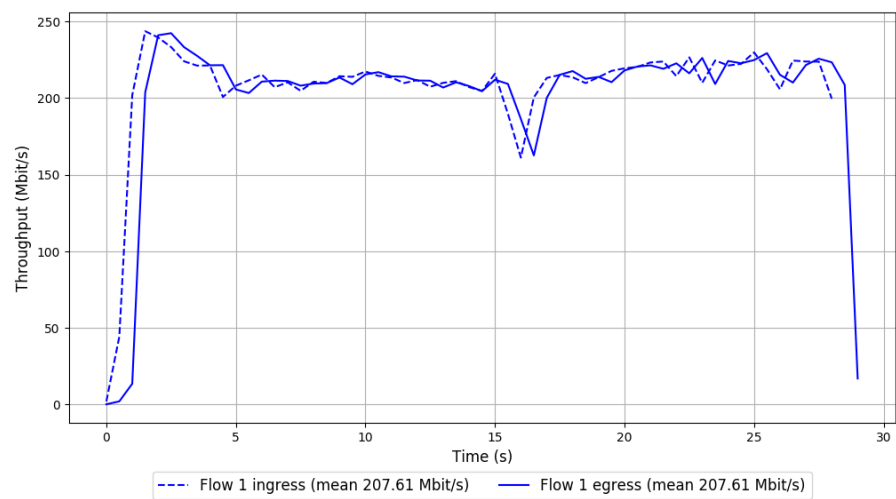
-- Flow 1:

Average throughput: 207.61 Mbit/s

95th percentile per-packet one-way delay: 62.696 ms

Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

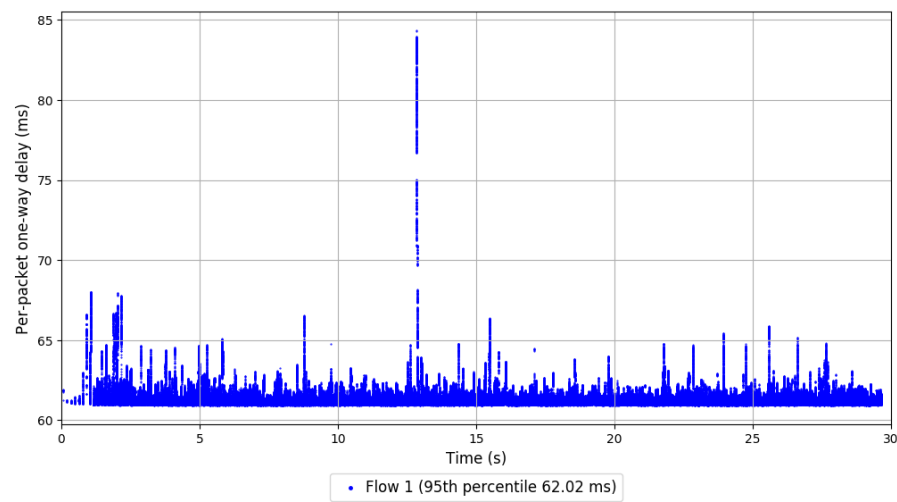
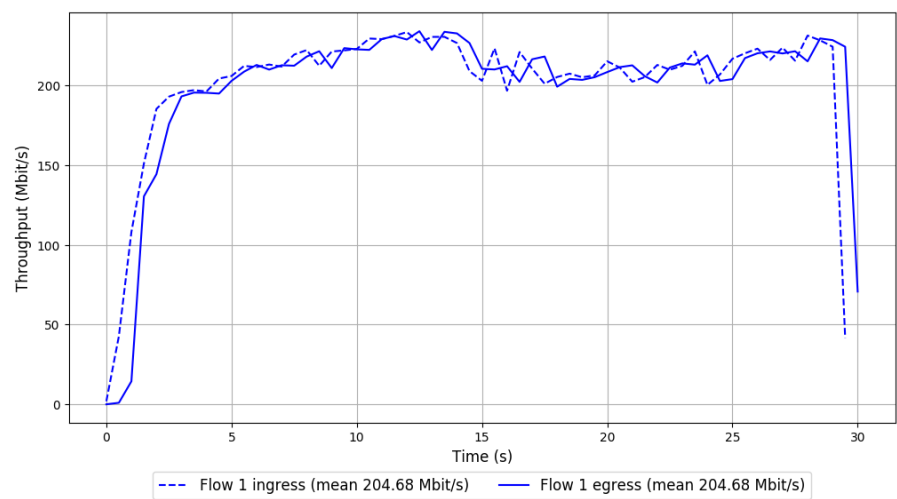


Run 2: Statistics of Indigo

Start at: 2018-07-10 20:44:46
End at: 2018-07-10 20:45:16
Local clock offset: -0.017 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-11 00:49:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 204.68 Mbit/s
95th percentile per-packet one-way delay: 62.018 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 204.68 Mbit/s
95th percentile per-packet one-way delay: 62.018 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-10 21:06:47

End at: 2018-07-10 21:07:17

Local clock offset: 0.003 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-07-11 00:49:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.60 Mbit/s

95th percentile per-packet one-way delay: 64.028 ms

Loss rate: 0.00%

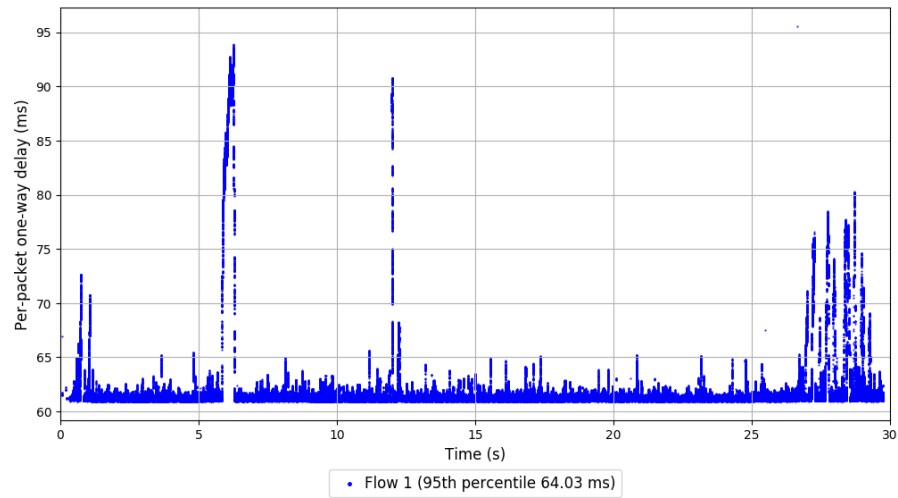
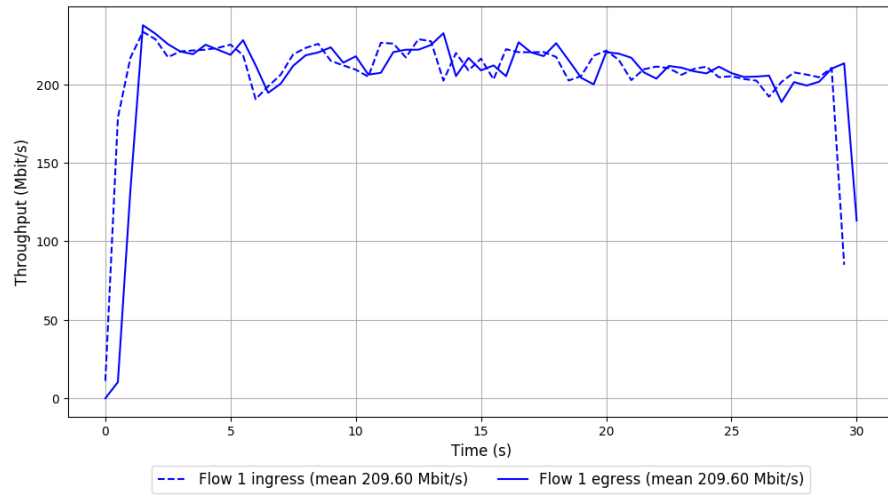
-- Flow 1:

Average throughput: 209.60 Mbit/s

95th percentile per-packet one-way delay: 64.028 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

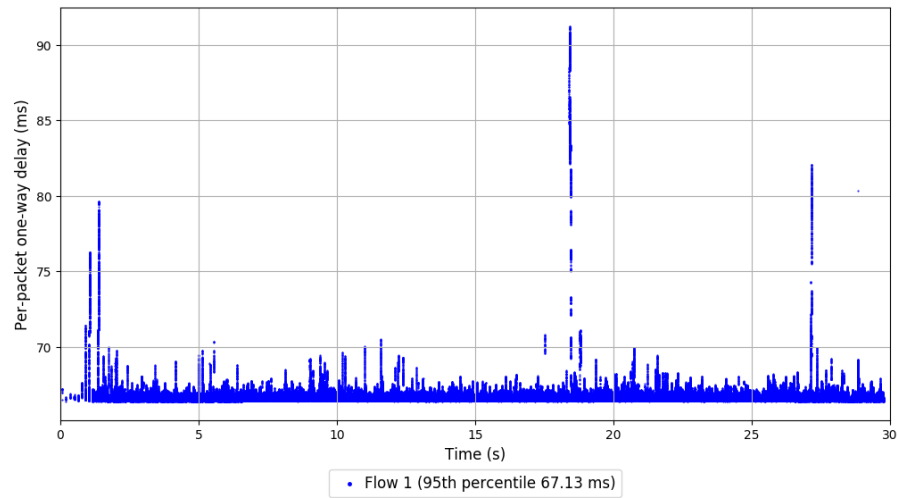
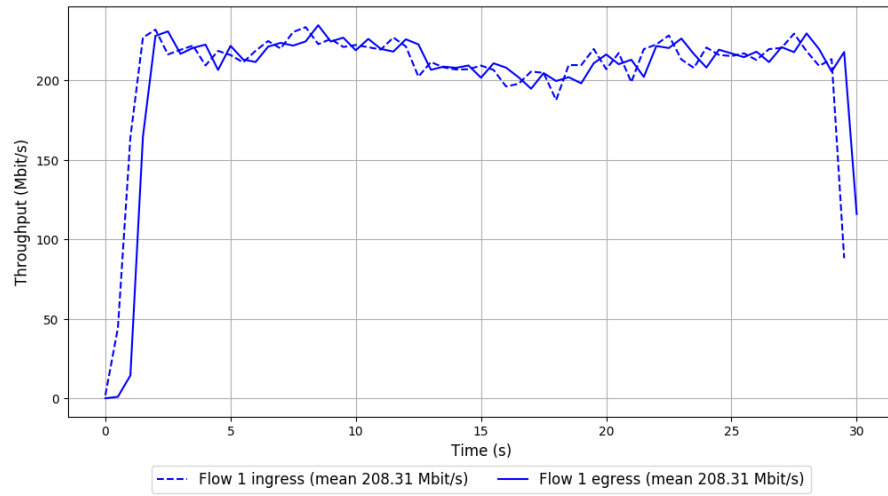


Run 4: Statistics of Indigo

Start at: 2018-07-10 21:28:41
End at: 2018-07-10 21:29:11
Local clock offset: 0.015 ms
Remote clock offset: -0.289 ms

Below is generated by plot.py at 2018-07-11 00:49:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 208.31 Mbit/s
95th percentile per-packet one-way delay: 67.126 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 208.31 Mbit/s
95th percentile per-packet one-way delay: 67.126 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-10 21:50:08

End at: 2018-07-10 21:50:39

Local clock offset: 0.005 ms

Remote clock offset: 0.111 ms

Below is generated by plot.py at 2018-07-11 00:49:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 207.96 Mbit/s

95th percentile per-packet one-way delay: 61.875 ms

Loss rate: 0.00%

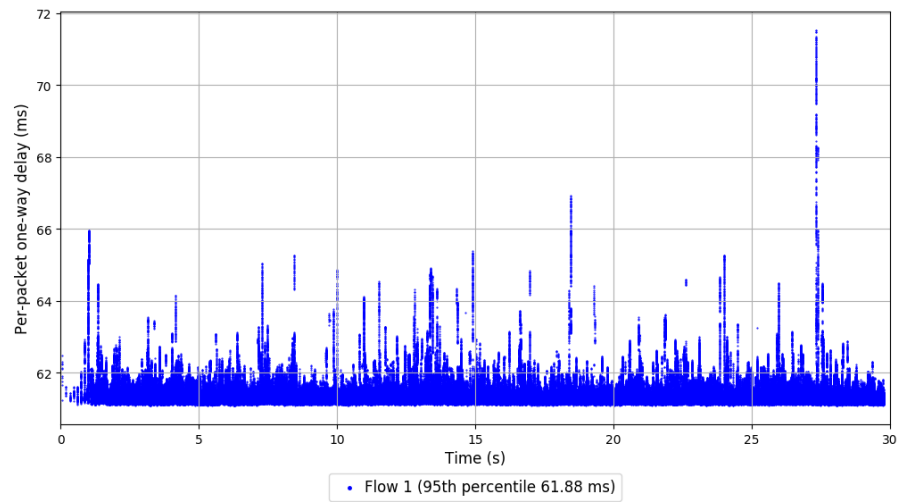
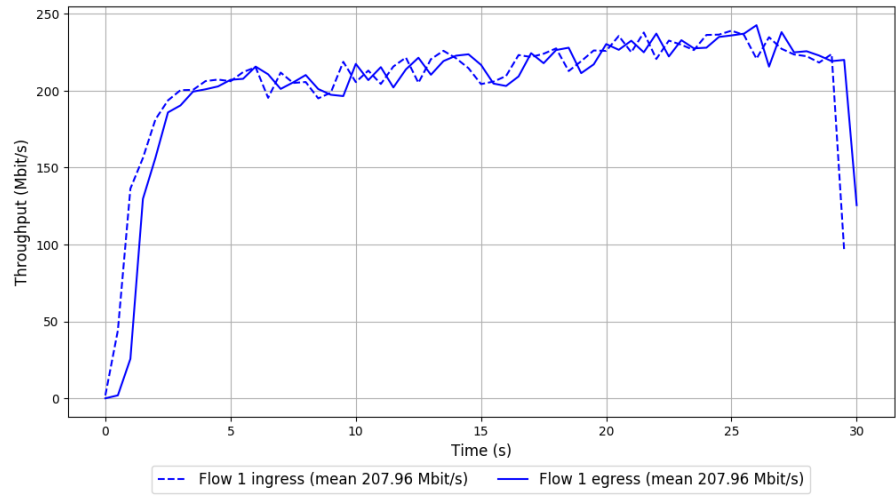
-- Flow 1:

Average throughput: 207.96 Mbit/s

95th percentile per-packet one-way delay: 61.875 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

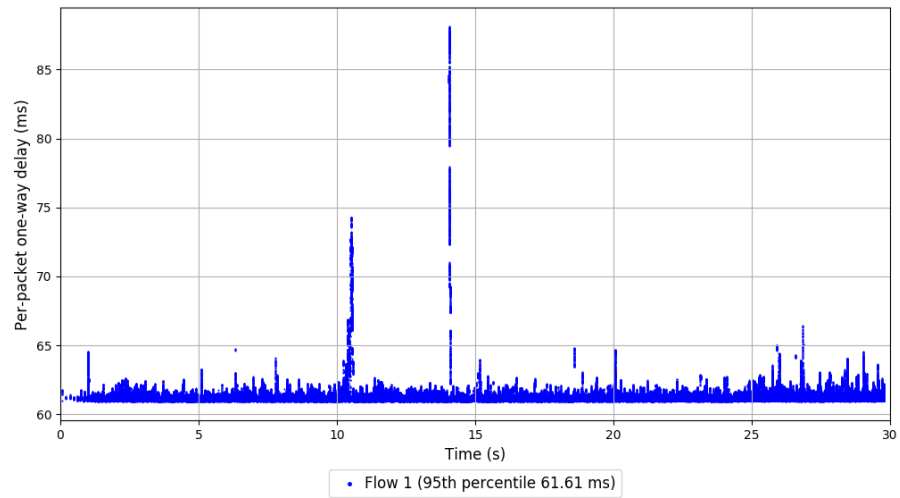
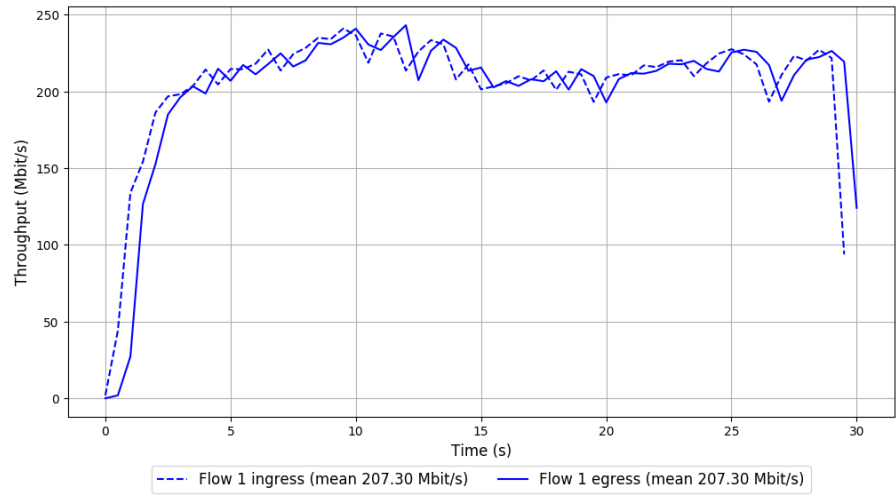


Run 6: Statistics of Indigo

Start at: 2018-07-10 22:11:45
End at: 2018-07-10 22:12:15
Local clock offset: -0.025 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-07-11 00:49:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.30 Mbit/s
95th percentile per-packet one-way delay: 61.613 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 207.30 Mbit/s
95th percentile per-packet one-way delay: 61.613 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

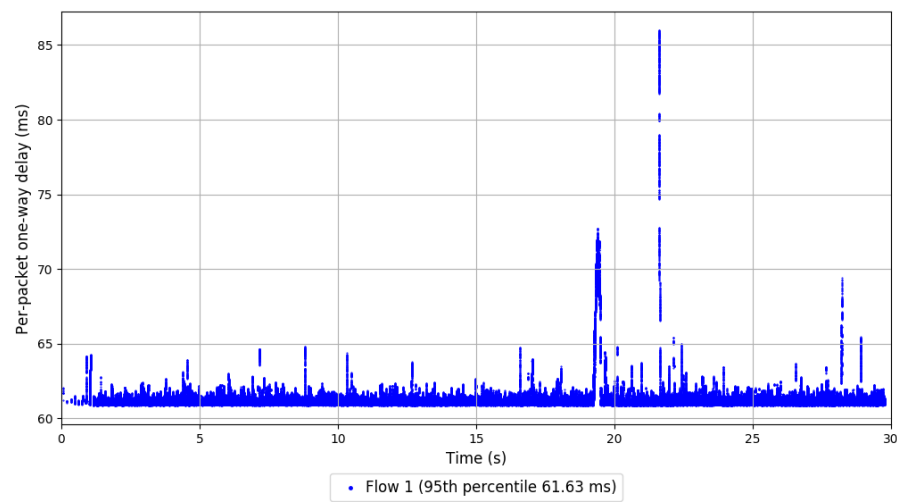
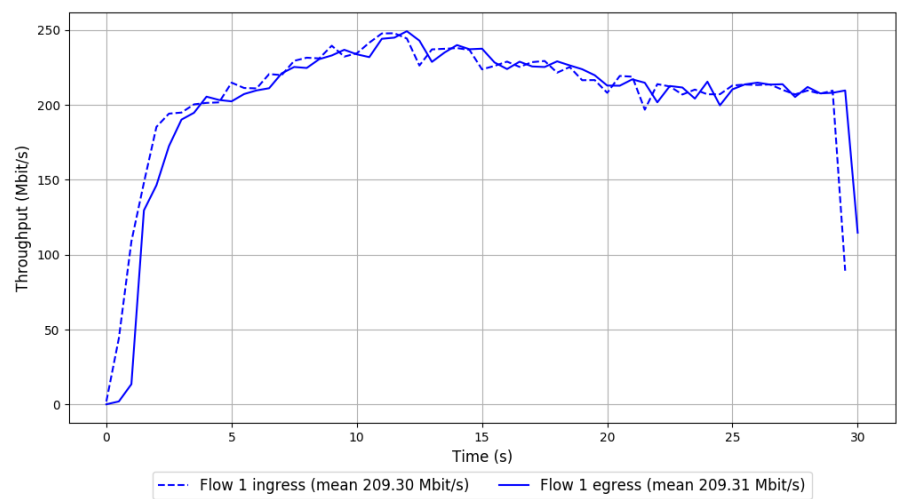


Run 7: Statistics of Indigo

Start at: 2018-07-10 22:33:38
End at: 2018-07-10 22:34:08
Local clock offset: -0.04 ms
Remote clock offset: -0.231 ms

Below is generated by plot.py at 2018-07-11 00:49:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 209.31 Mbit/s
95th percentile per-packet one-way delay: 61.627 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 209.31 Mbit/s
95th percentile per-packet one-way delay: 61.627 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-10 22:55:28

End at: 2018-07-10 22:55:58

Local clock offset: 0.018 ms

Remote clock offset: -0.164 ms

Below is generated by plot.py at 2018-07-11 00:49:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 207.38 Mbit/s

95th percentile per-packet one-way delay: 61.971 ms

Loss rate: 0.00%

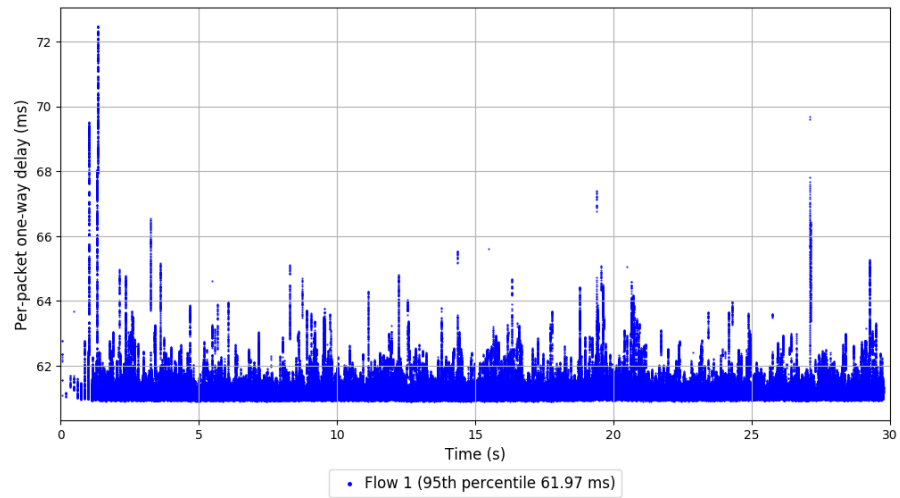
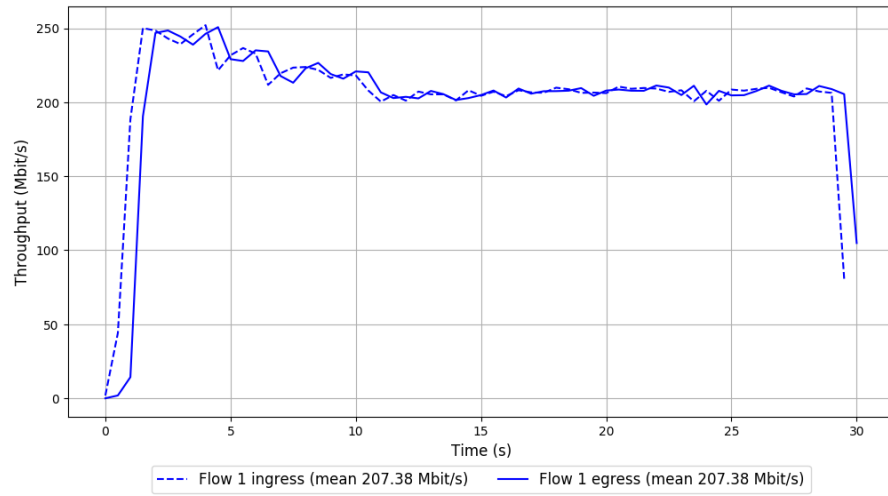
-- Flow 1:

Average throughput: 207.38 Mbit/s

95th percentile per-packet one-way delay: 61.971 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

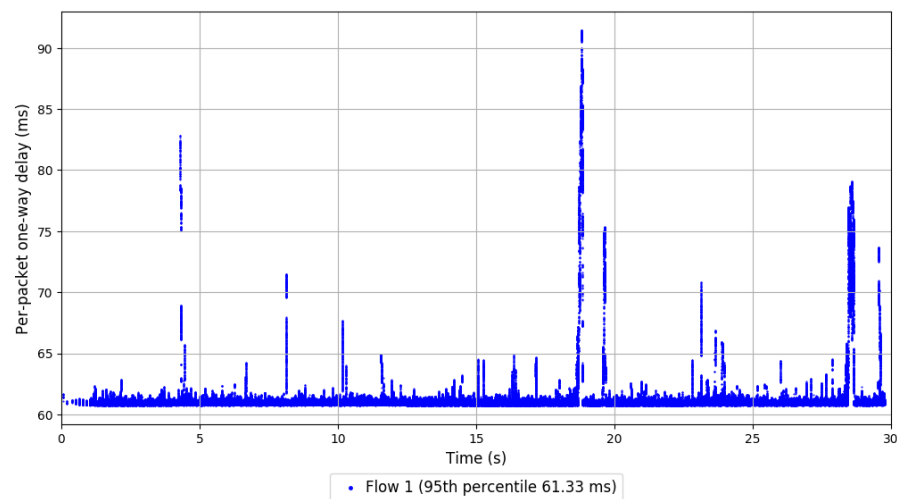
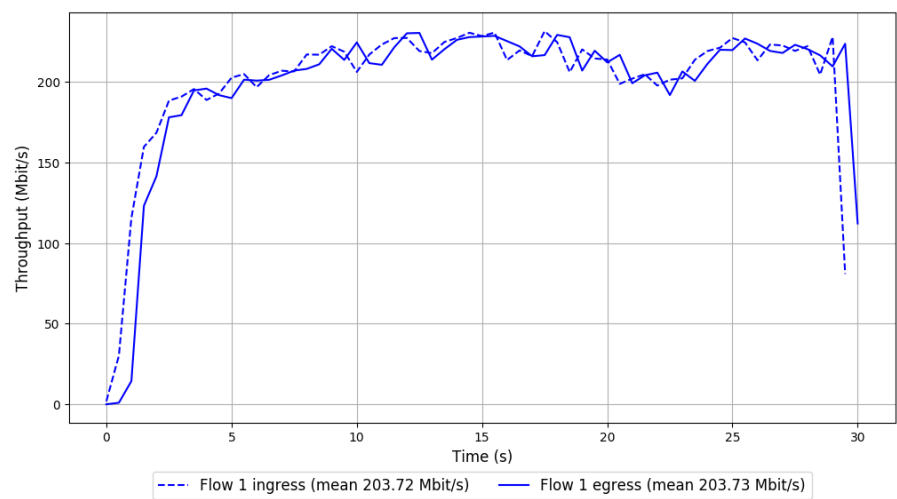


Run 9: Statistics of Indigo

Start at: 2018-07-10 23:16:55
End at: 2018-07-10 23:17:25
Local clock offset: -0.025 ms
Remote clock offset: -0.272 ms

Below is generated by plot.py at 2018-07-11 00:49:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 203.73 Mbit/s
95th percentile per-packet one-way delay: 61.328 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 203.73 Mbit/s
95th percentile per-packet one-way delay: 61.328 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-10 23:38:34

End at: 2018-07-10 23:39:04

Local clock offset: -0.018 ms

Remote clock offset: -0.291 ms

Below is generated by plot.py at 2018-07-11 00:49:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.72 Mbit/s

95th percentile per-packet one-way delay: 61.844 ms

Loss rate: 0.00%

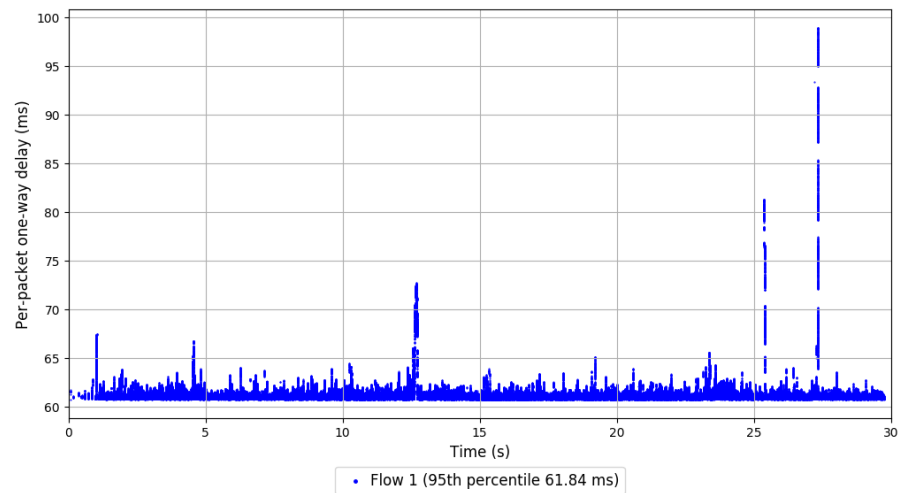
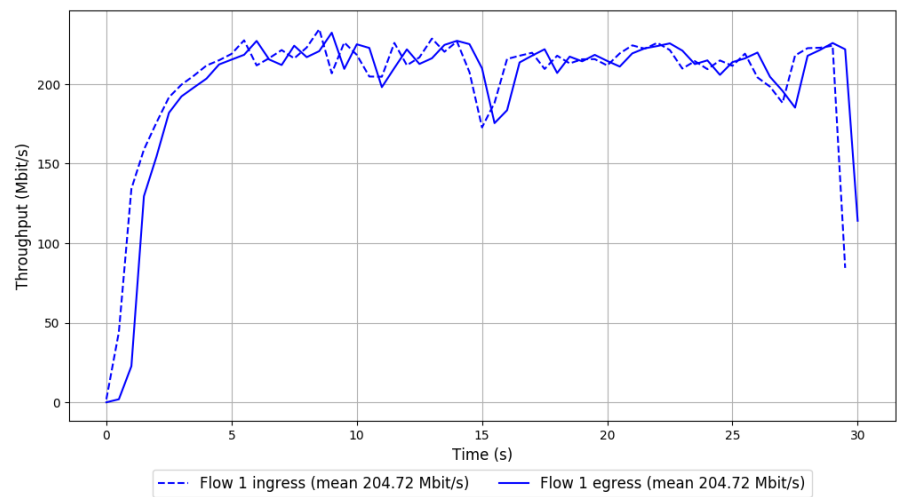
-- Flow 1:

Average throughput: 204.72 Mbit/s

95th percentile per-packet one-way delay: 61.844 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

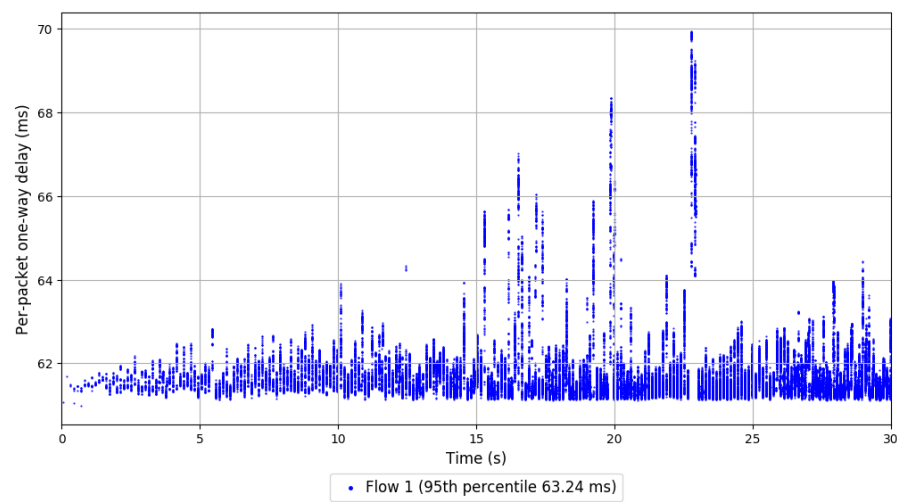
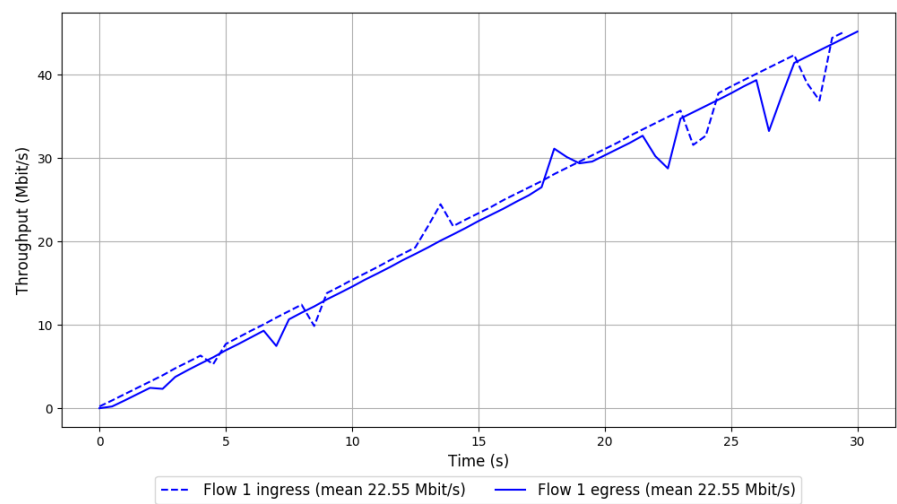


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-10 20:38:08
End at: 2018-07-10 20:38:38
Local clock offset: 0.043 ms
Remote clock offset: 0.009 ms

# Below is generated by plot.py at 2018-07-11 00:49:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.55 Mbit/s
95th percentile per-packet one-way delay: 63.236 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.55 Mbit/s
95th percentile per-packet one-way delay: 63.236 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

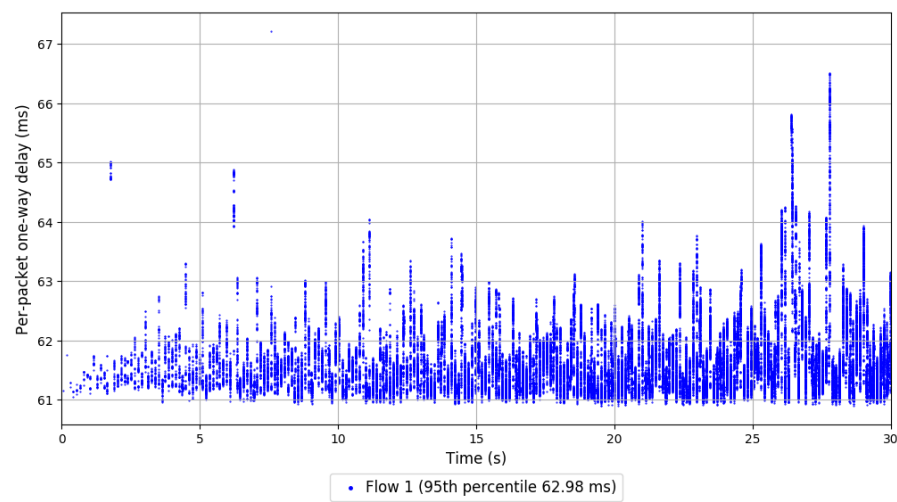
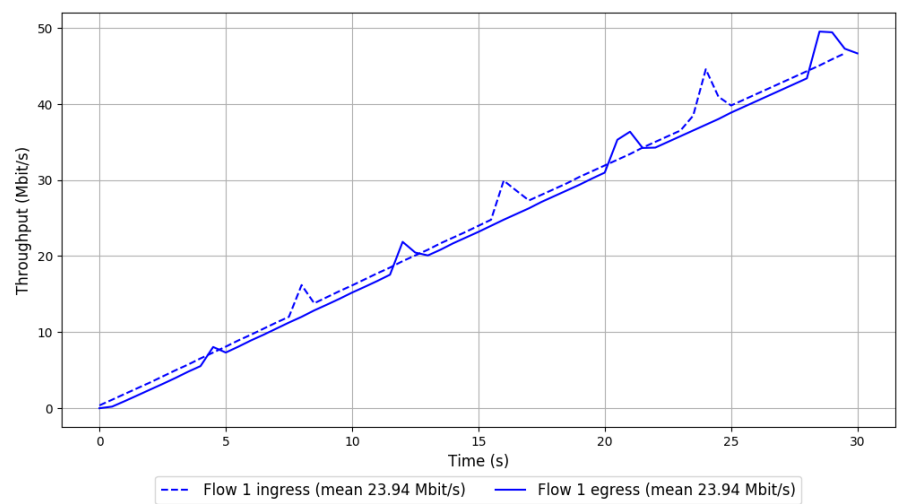


Run 2: Statistics of LEDBAT

Start at: 2018-07-10 20:59:08
End at: 2018-07-10 20:59:38
Local clock offset: -0.004 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-11 00:49:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.94 Mbit/s
95th percentile per-packet one-way delay: 62.977 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.94 Mbit/s
95th percentile per-packet one-way delay: 62.977 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-10 21:21:43

End at: 2018-07-10 21:22:13

Local clock offset: 0.048 ms

Remote clock offset: 1.318 ms

Below is generated by plot.py at 2018-07-11 00:49:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.92 Mbit/s

95th percentile per-packet one-way delay: 69.571 ms

Loss rate: 0.00%

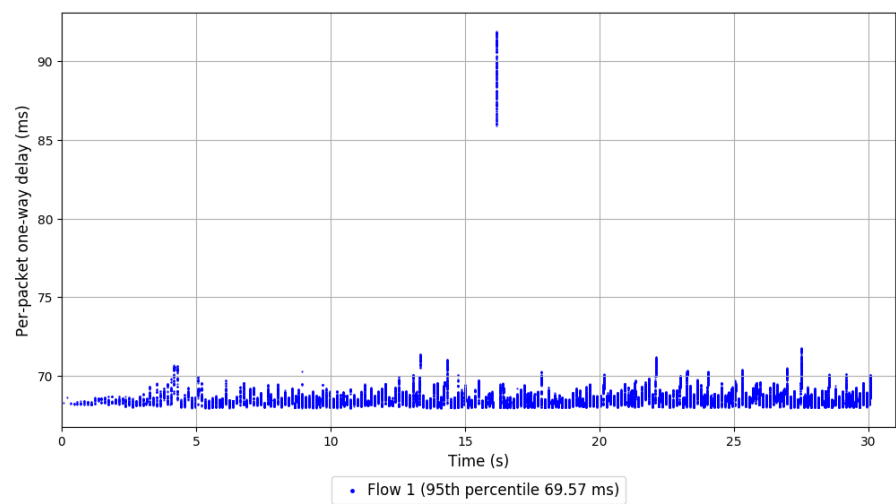
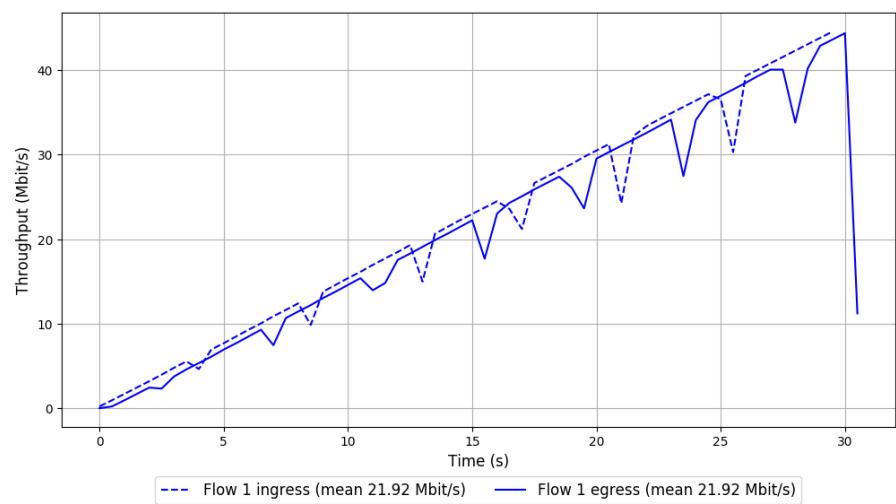
-- Flow 1:

Average throughput: 21.92 Mbit/s

95th percentile per-packet one-way delay: 69.571 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-10 21:43:06

End at: 2018-07-10 21:43:36

Local clock offset: 0.015 ms

Remote clock offset: 0.113 ms

Below is generated by plot.py at 2018-07-11 00:49:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.56 Mbit/s

95th percentile per-packet one-way delay: 63.305 ms

Loss rate: 0.00%

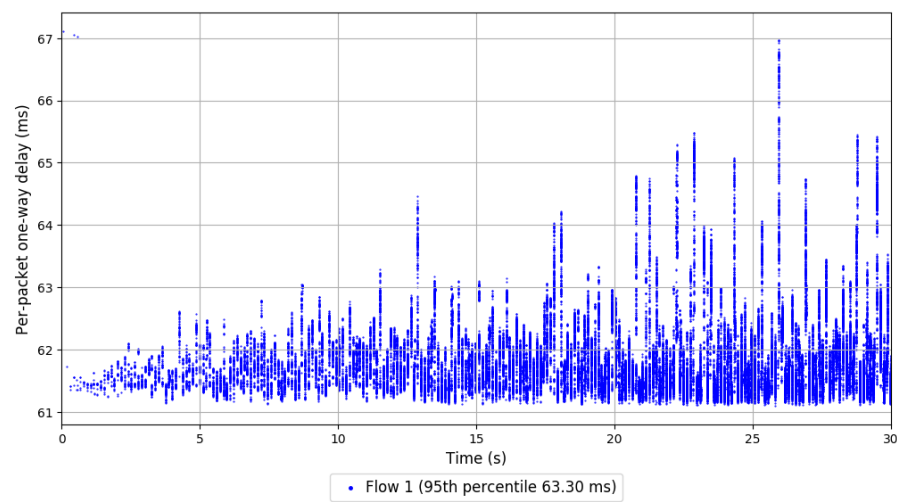
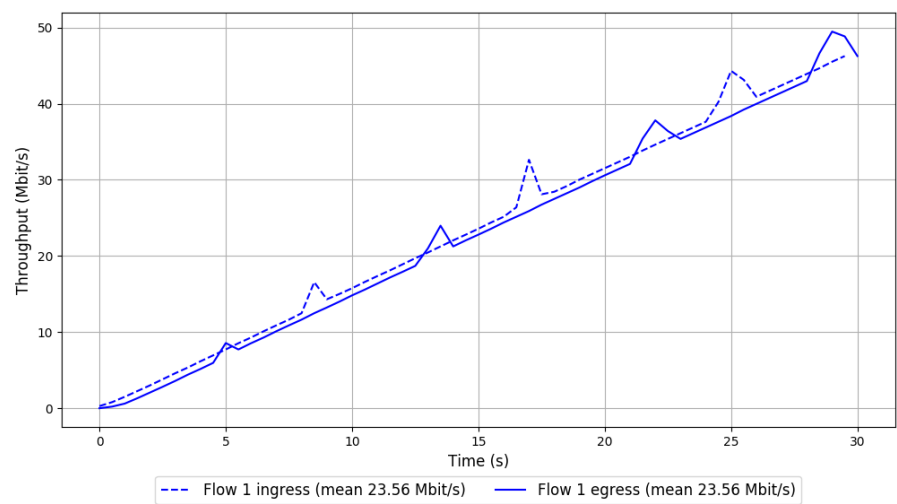
-- Flow 1:

Average throughput: 23.56 Mbit/s

95th percentile per-packet one-way delay: 63.305 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

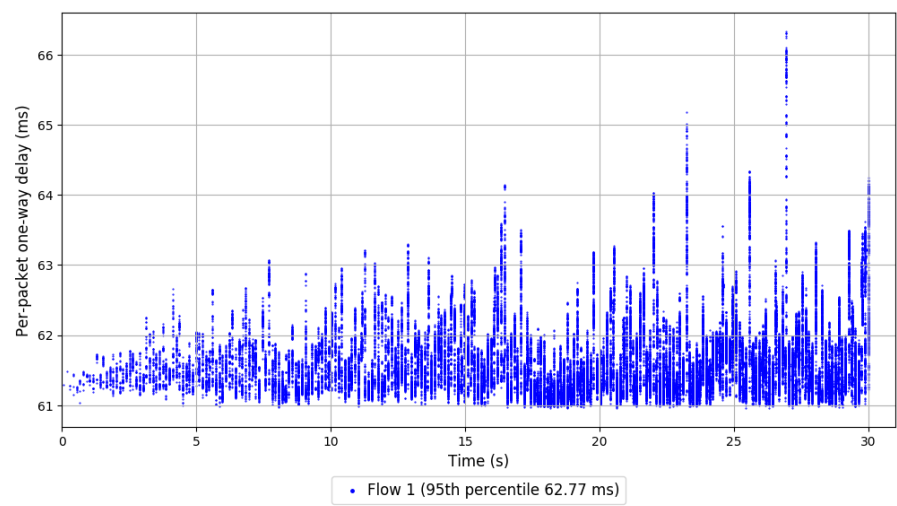
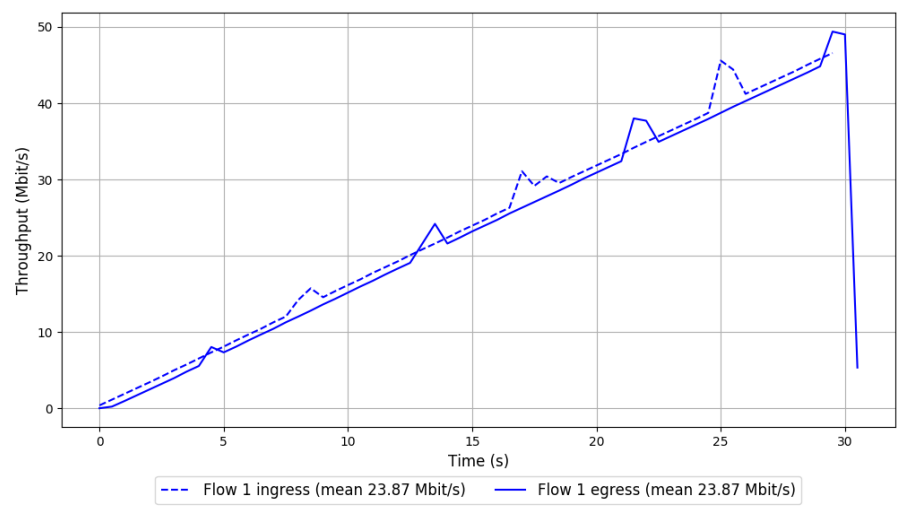


Run 5: Statistics of LEDBAT

Start at: 2018-07-10 22:04:50
End at: 2018-07-10 22:05:20
Local clock offset: -0.021 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-11 00:49:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.87 Mbit/s
95th percentile per-packet one-way delay: 62.765 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.87 Mbit/s
95th percentile per-packet one-way delay: 62.765 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-10 22:26:32

End at: 2018-07-10 22:27:02

Local clock offset: -0.005 ms

Remote clock offset: 0.134 ms

Below is generated by plot.py at 2018-07-11 00:49:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.66 Mbit/s

95th percentile per-packet one-way delay: 62.860 ms

Loss rate: 0.00%

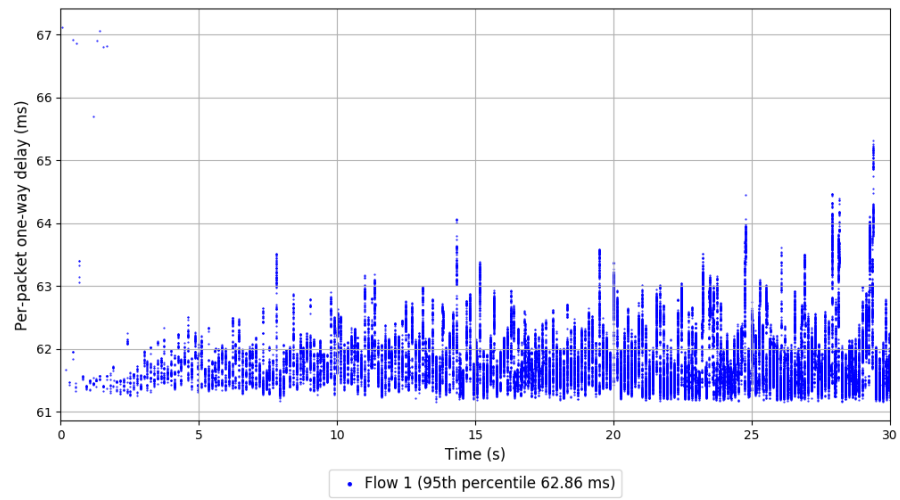
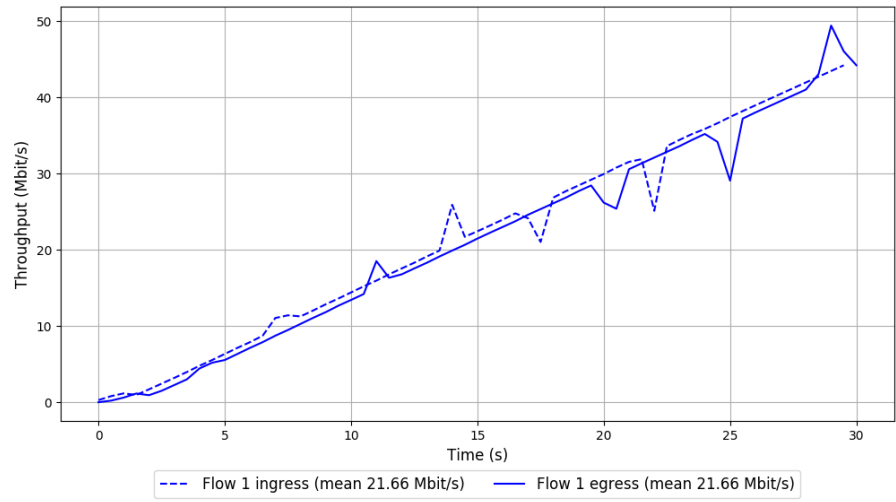
-- Flow 1:

Average throughput: 21.66 Mbit/s

95th percentile per-packet one-way delay: 62.860 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

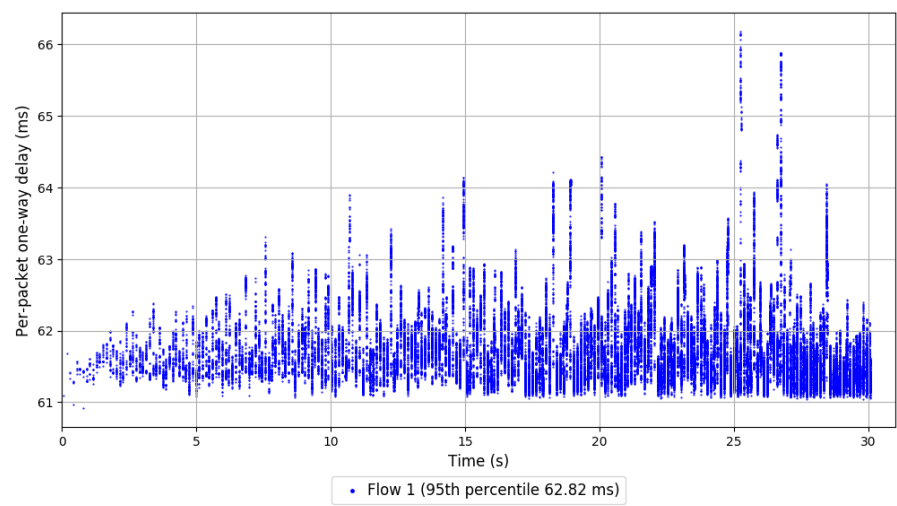
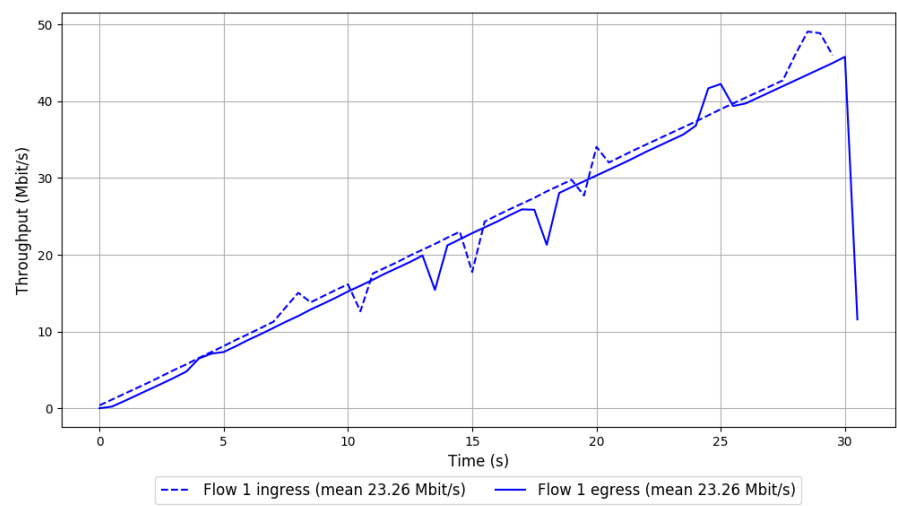


Run 7: Statistics of LEDBAT

Start at: 2018-07-10 22:48:19
End at: 2018-07-10 22:48:49
Local clock offset: -0.013 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-11 00:49:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.26 Mbit/s
95th percentile per-packet one-way delay: 62.822 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.26 Mbit/s
95th percentile per-packet one-way delay: 62.822 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-10 23:10:15

End at: 2018-07-10 23:10:45

Local clock offset: -0.035 ms

Remote clock offset: 0.208 ms

Below is generated by plot.py at 2018-07-11 00:49:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.07 Mbit/s

95th percentile per-packet one-way delay: 63.302 ms

Loss rate: 0.00%

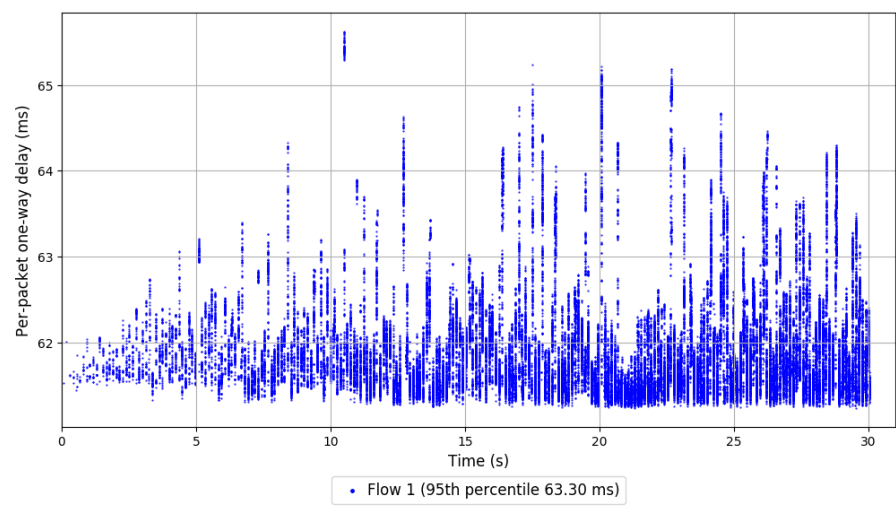
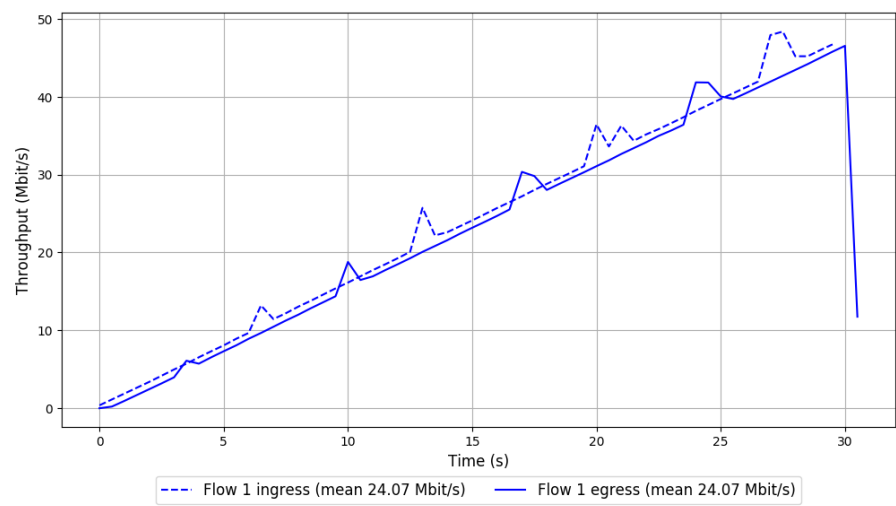
-- Flow 1:

Average throughput: 24.07 Mbit/s

95th percentile per-packet one-way delay: 63.302 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-10 23:31:39

End at: 2018-07-10 23:32:09

Local clock offset: -0.091 ms

Remote clock offset: -1.44 ms

Below is generated by plot.py at 2018-07-11 00:49:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.62 Mbit/s

95th percentile per-packet one-way delay: 61.403 ms

Loss rate: 0.00%

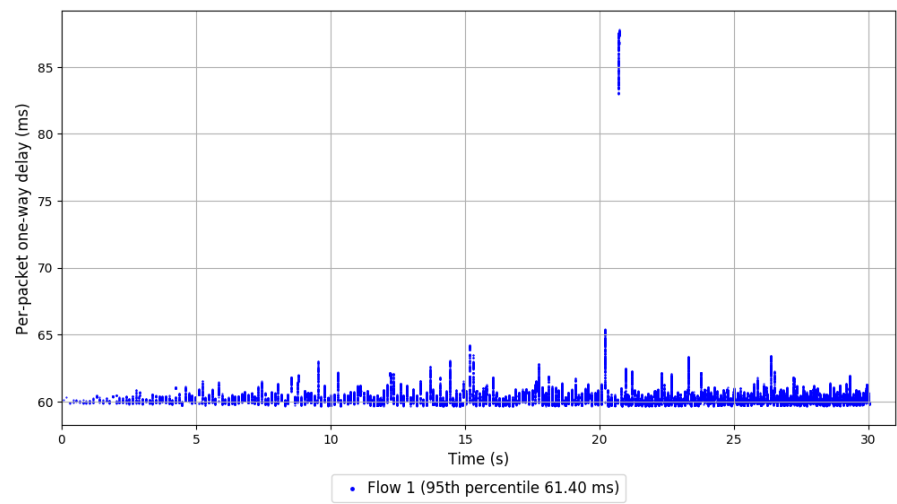
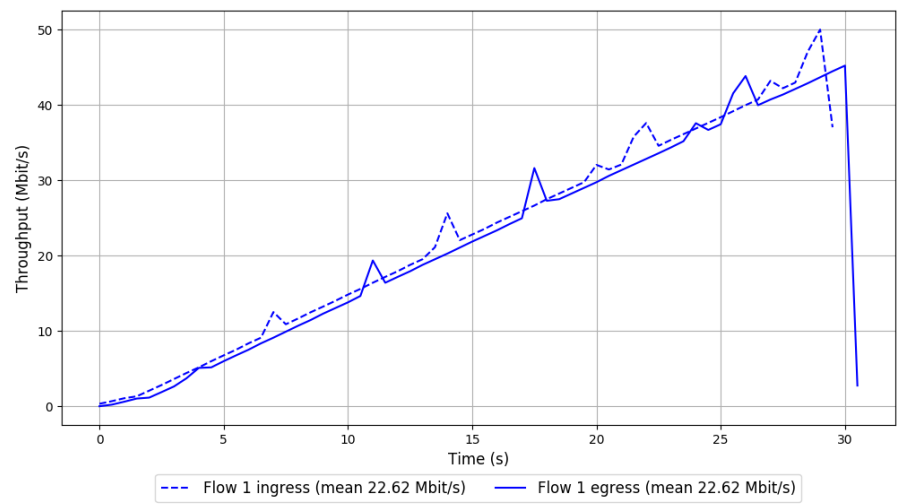
-- Flow 1:

Average throughput: 22.62 Mbit/s

95th percentile per-packet one-way delay: 61.403 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-10 23:53:00

End at: 2018-07-10 23:53:30

Local clock offset: -0.052 ms

Remote clock offset: 0.103 ms

Below is generated by plot.py at 2018-07-11 00:49:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.53 Mbit/s

95th percentile per-packet one-way delay: 62.875 ms

Loss rate: 0.00%

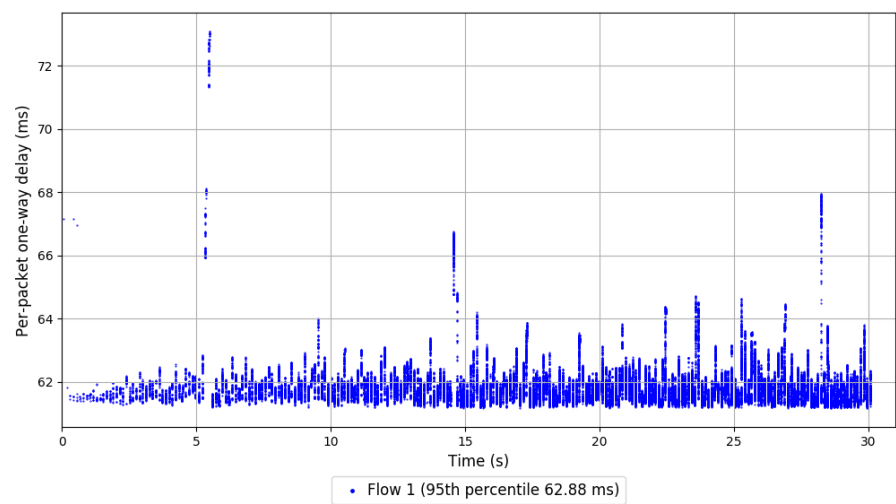
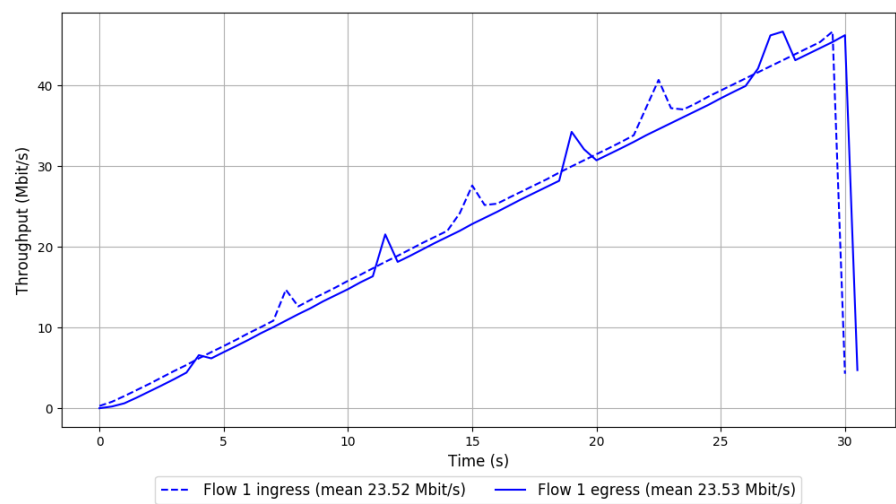
-- Flow 1:

Average throughput: 23.53 Mbit/s

95th percentile per-packet one-way delay: 62.875 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-10 20:29:48

End at: 2018-07-10 20:30:18

Local clock offset: 0.026 ms

Remote clock offset: 1.186 ms

Below is generated by plot.py at 2018-07-11 00:53:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 324.70 Mbit/s

95th percentile per-packet one-way delay: 98.716 ms

Loss rate: 0.17%

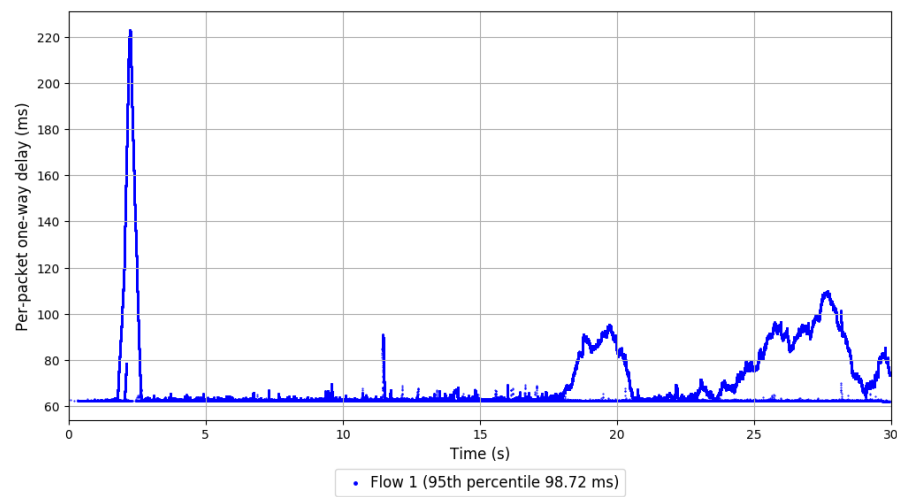
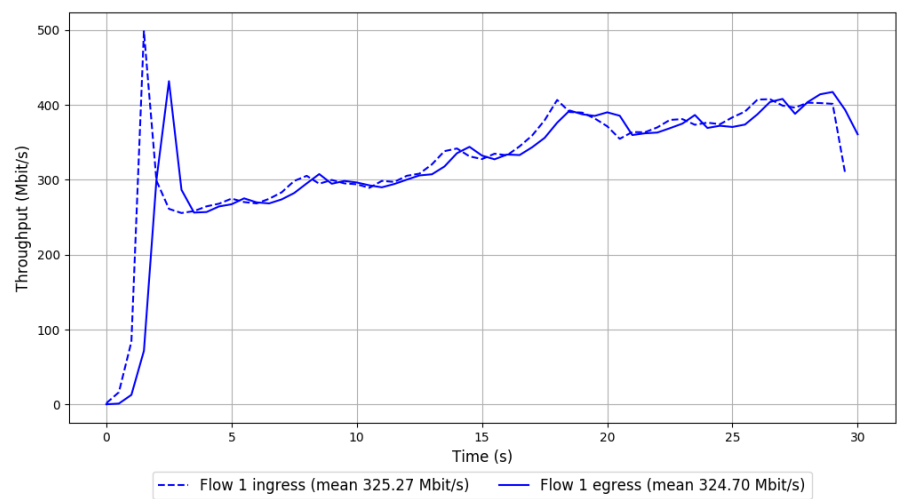
-- Flow 1:

Average throughput: 324.70 Mbit/s

95th percentile per-packet one-way delay: 98.716 ms

Loss rate: 0.17%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-10 20:50:55

End at: 2018-07-10 20:51:25

Local clock offset: 0.038 ms

Remote clock offset: -1.471 ms

Below is generated by plot.py at 2018-07-11 00:53:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 259.80 Mbit/s

95th percentile per-packet one-way delay: 142.673 ms

Loss rate: 0.17%

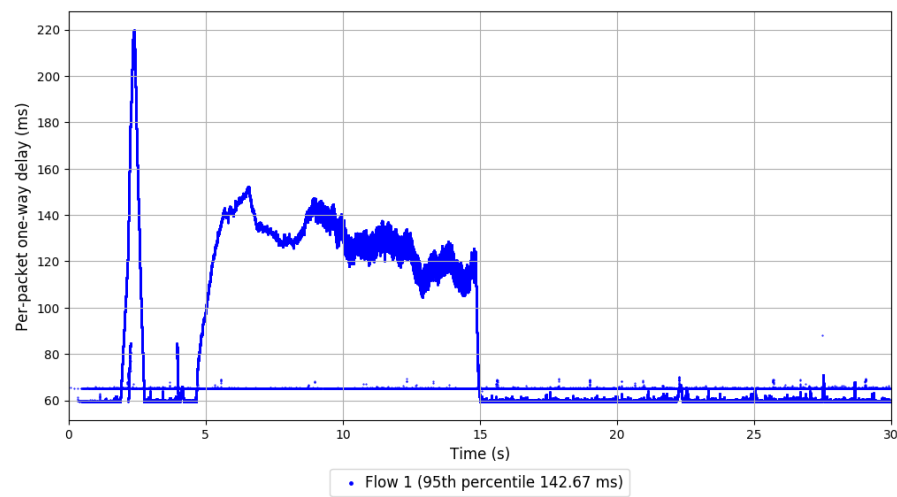
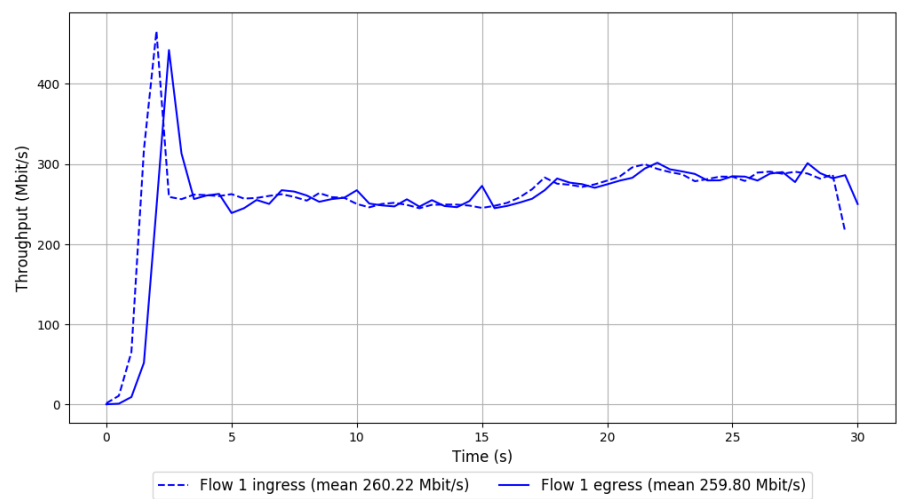
-- Flow 1:

Average throughput: 259.80 Mbit/s

95th percentile per-packet one-way delay: 142.673 ms

Loss rate: 0.17%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-10 21:13:35

End at: 2018-07-10 21:14:05

Local clock offset: 0.028 ms

Remote clock offset: 0.227 ms

Below is generated by plot.py at 2018-07-11 00:53:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 291.70 Mbit/s

95th percentile per-packet one-way delay: 81.783 ms

Loss rate: 0.06%

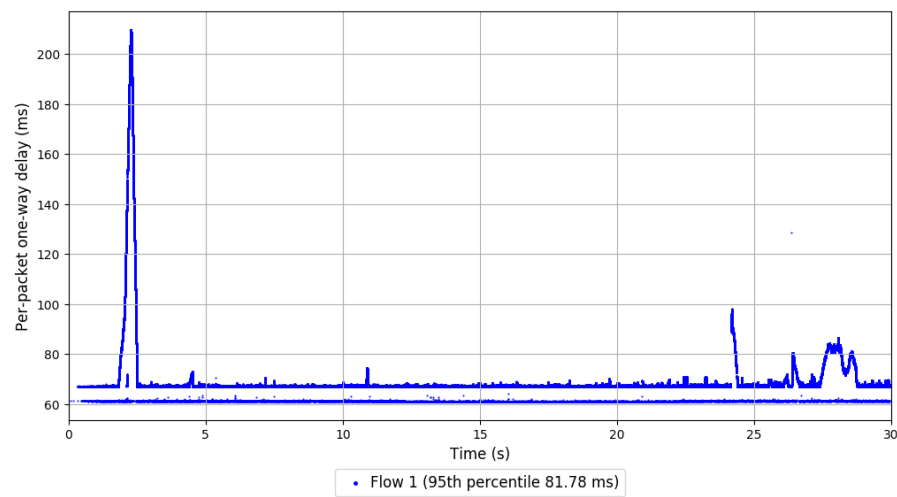
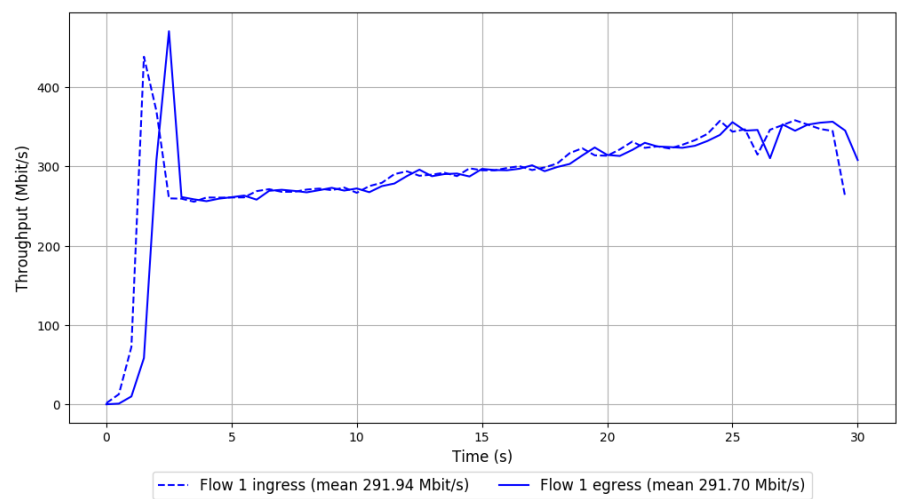
-- Flow 1:

Average throughput: 291.70 Mbit/s

95th percentile per-packet one-way delay: 81.783 ms

Loss rate: 0.06%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-10 21:34:50

End at: 2018-07-10 21:35:20

Local clock offset: -0.001 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-07-11 00:53:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 307.39 Mbit/s

95th percentile per-packet one-way delay: 160.513 ms

Loss rate: 0.09%

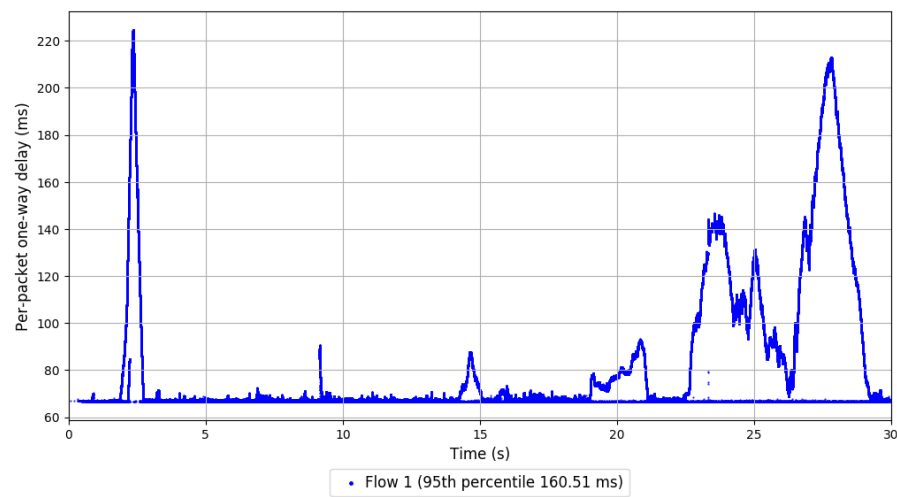
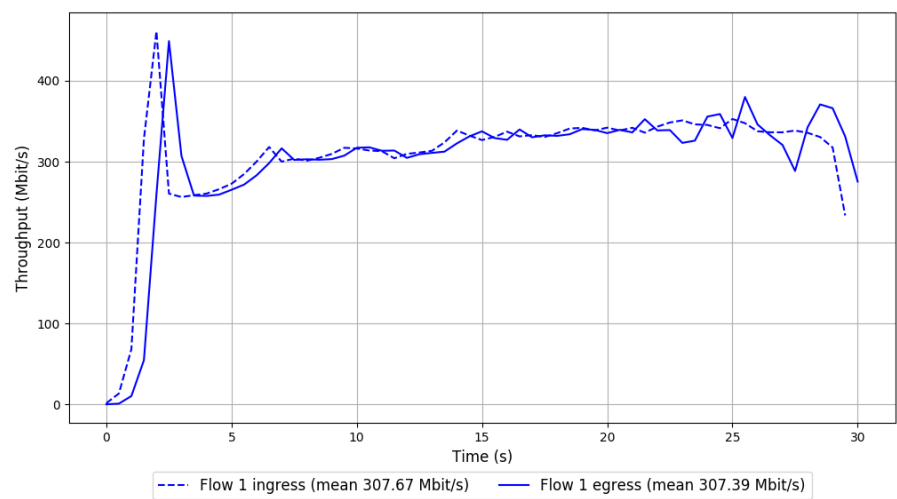
-- Flow 1:

Average throughput: 307.39 Mbit/s

95th percentile per-packet one-way delay: 160.513 ms

Loss rate: 0.09%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-10 21:56:25

End at: 2018-07-10 21:56:55

Local clock offset: 0.008 ms

Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-11 00:53:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 301.03 Mbit/s

95th percentile per-packet one-way delay: 176.013 ms

Loss rate: 0.55%

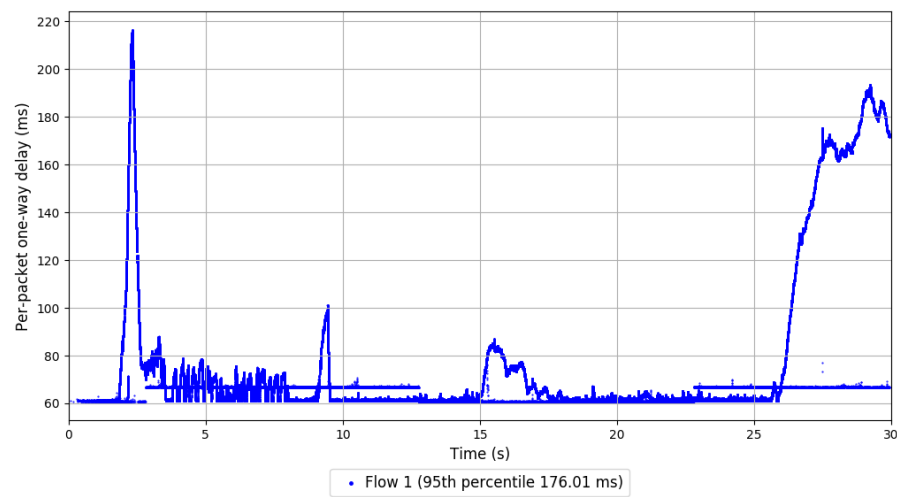
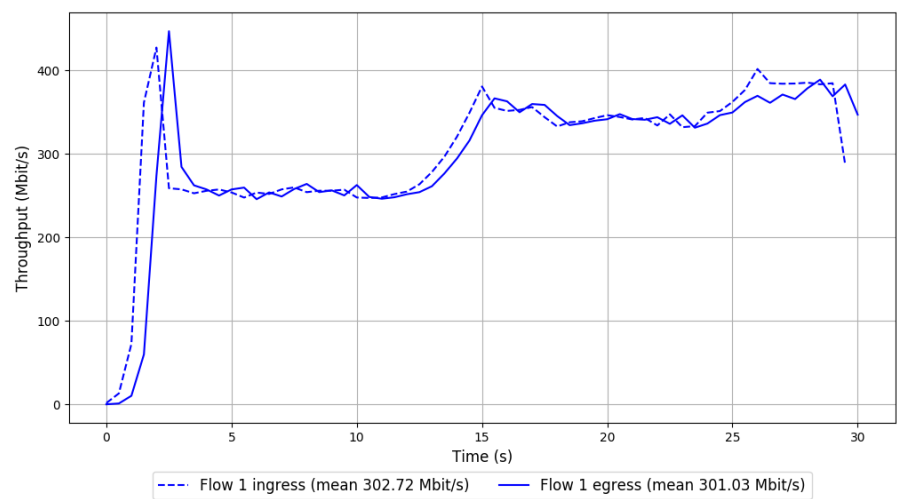
-- Flow 1:

Average throughput: 301.03 Mbit/s

95th percentile per-packet one-way delay: 176.013 ms

Loss rate: 0.55%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-10 22:18:03

End at: 2018-07-10 22:18:33

Local clock offset: -0.013 ms

Remote clock offset: 0.157 ms

Below is generated by plot.py at 2018-07-11 00:53:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 311.08 Mbit/s

95th percentile per-packet one-way delay: 70.224 ms

Loss rate: 0.03%

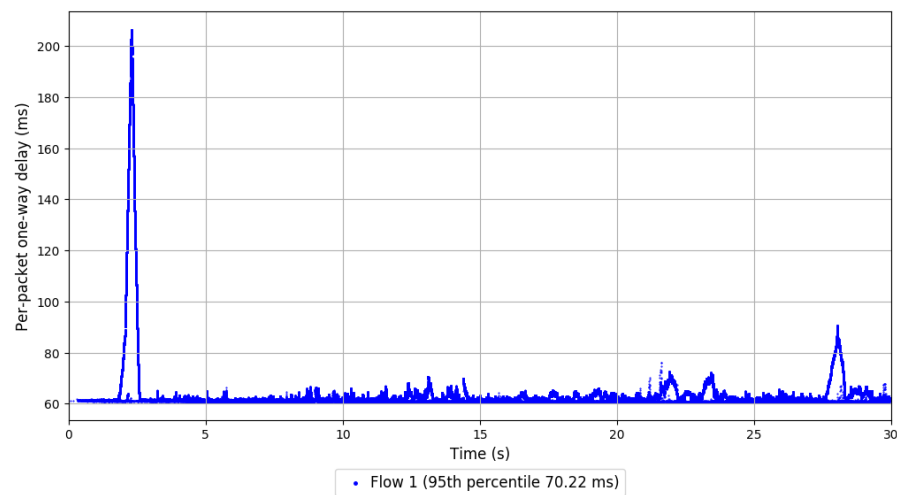
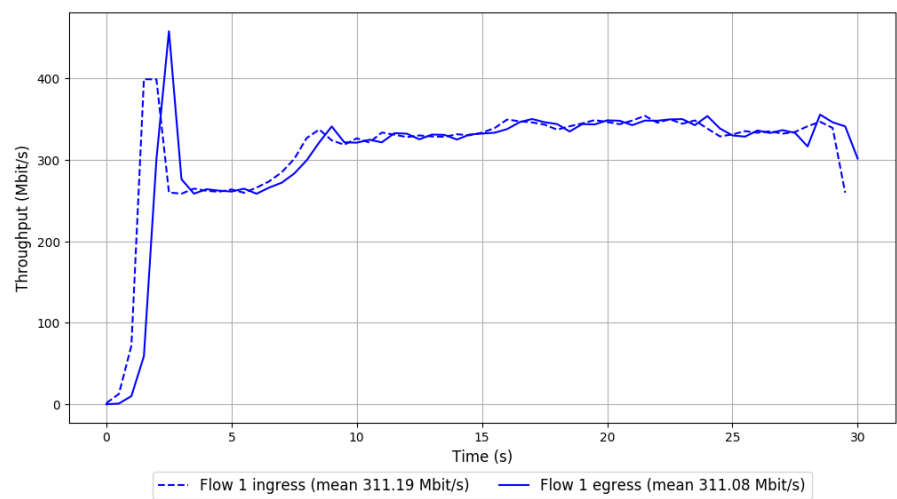
-- Flow 1:

Average throughput: 311.08 Mbit/s

95th percentile per-packet one-way delay: 70.224 ms

Loss rate: 0.03%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-10 22:39:47

End at: 2018-07-10 22:40:17

Local clock offset: -0.042 ms

Remote clock offset: 1.157 ms

Below is generated by plot.py at 2018-07-11 00:54:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 314.12 Mbit/s

95th percentile per-packet one-way delay: 100.964 ms

Loss rate: 0.38%

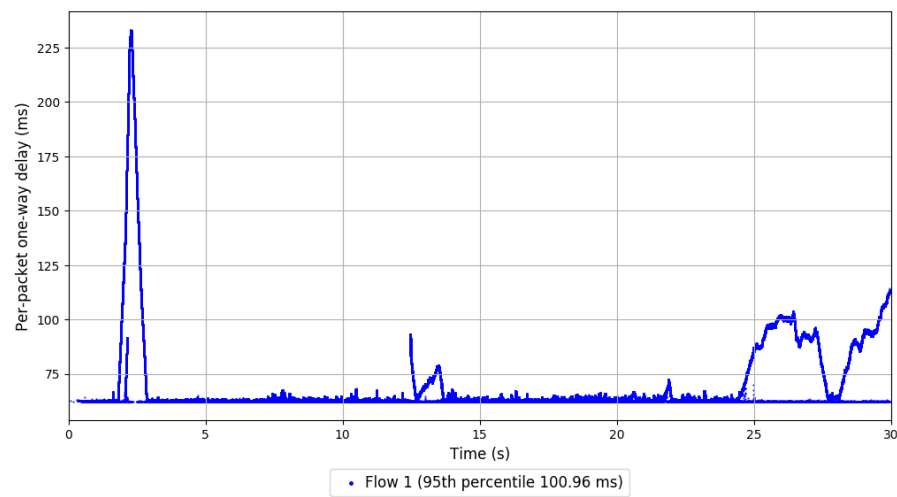
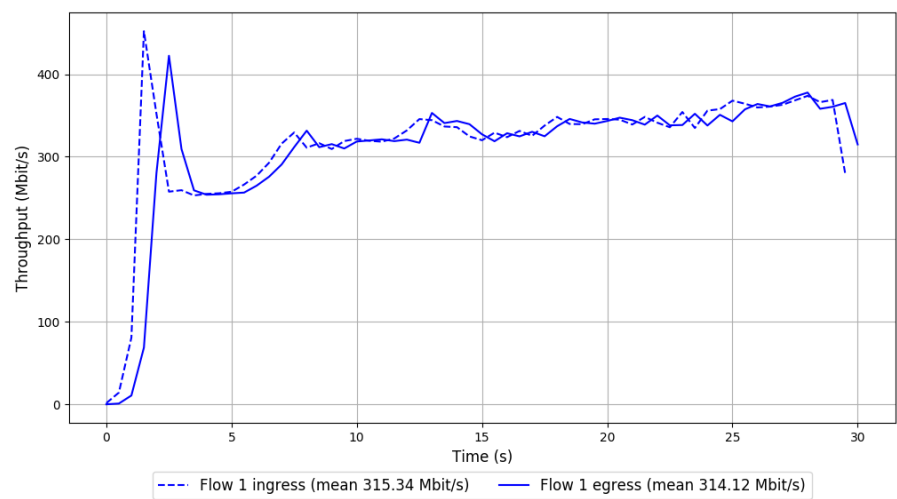
-- Flow 1:

Average throughput: 314.12 Mbit/s

95th percentile per-packet one-way delay: 100.964 ms

Loss rate: 0.38%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-10 23:01:40

End at: 2018-07-10 23:02:10

Local clock offset: 0.014 ms

Remote clock offset: -0.312 ms

Below is generated by plot.py at 2018-07-11 00:56:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 323.85 Mbit/s

95th percentile per-packet one-way delay: 101.085 ms

Loss rate: 0.09%

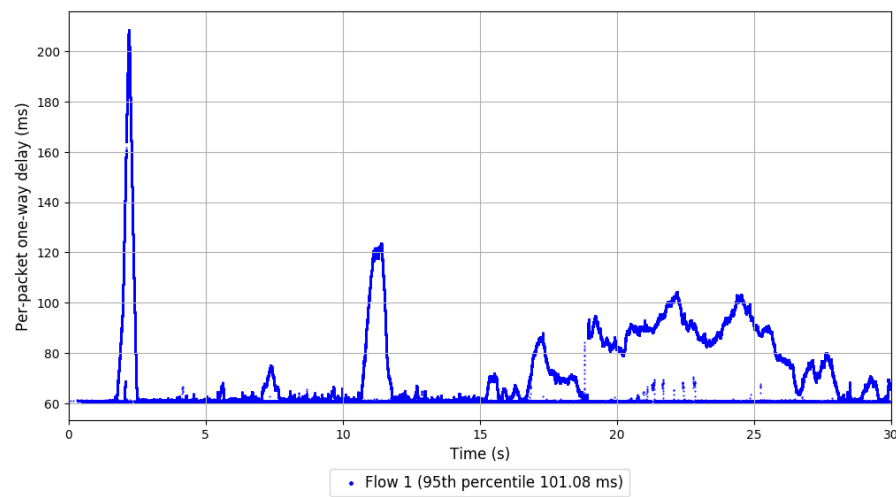
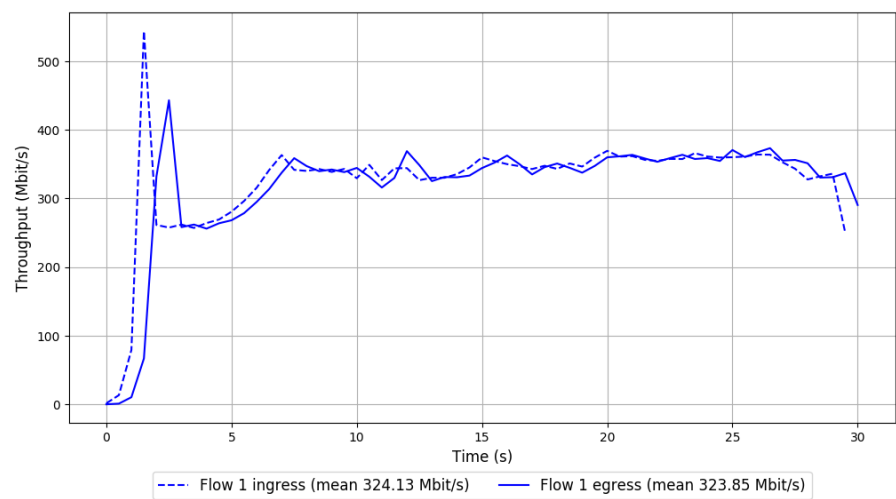
-- Flow 1:

Average throughput: 323.85 Mbit/s

95th percentile per-packet one-way delay: 101.085 ms

Loss rate: 0.09%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-10 23:23:05

End at: 2018-07-10 23:23:35

Local clock offset: -0.044 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-07-11 00:57:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 301.78 Mbit/s

95th percentile per-packet one-way delay: 76.889 ms

Loss rate: 0.11%

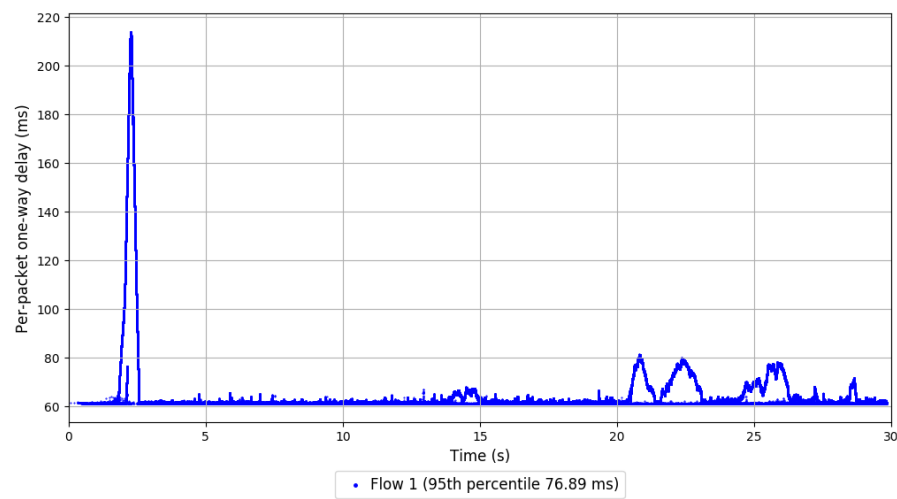
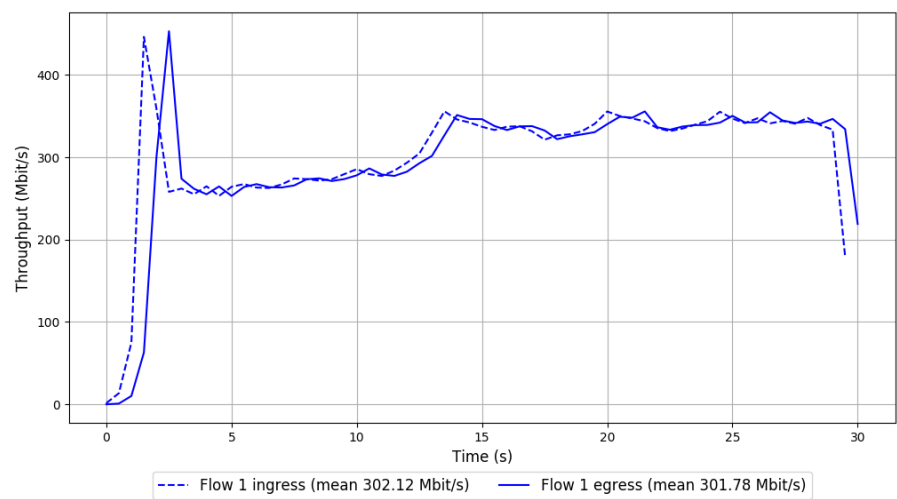
-- Flow 1:

Average throughput: 301.78 Mbit/s

95th percentile per-packet one-way delay: 76.889 ms

Loss rate: 0.11%

Run 9: Report of PCC-Allegro — Data Link

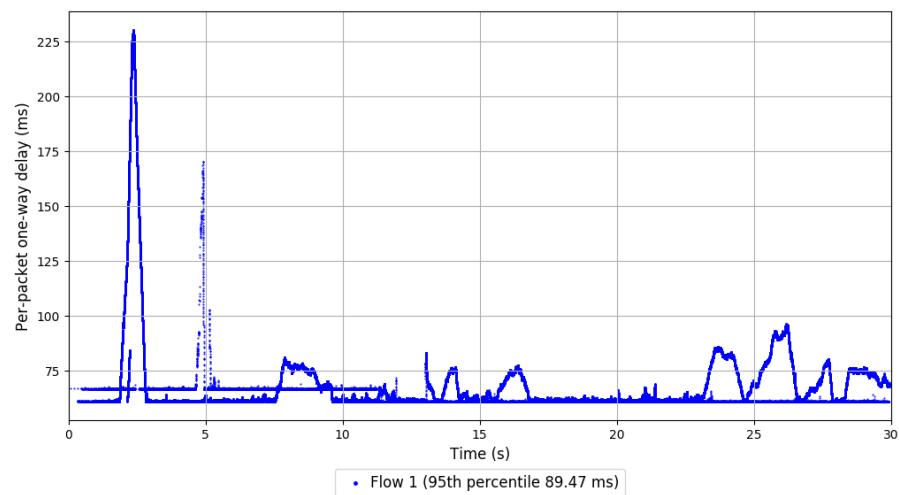
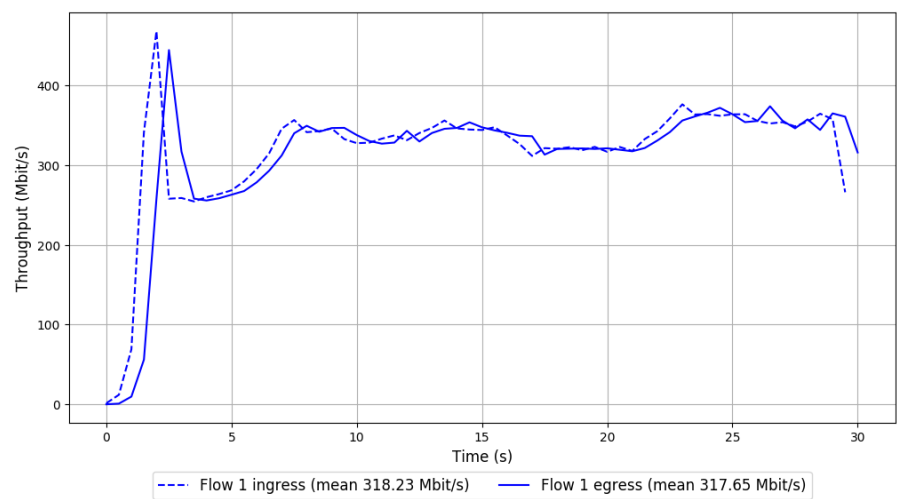


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-10 23:44:46
End at: 2018-07-10 23:45:16
Local clock offset: -0.065 ms
Remote clock offset: -0.287 ms

Below is generated by plot.py at 2018-07-11 00:58:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 317.65 Mbit/s
95th percentile per-packet one-way delay: 89.465 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 317.65 Mbit/s
95th percentile per-packet one-way delay: 89.465 ms
Loss rate: 0.18%

Run 10: Report of PCC-Allegro — Data Link

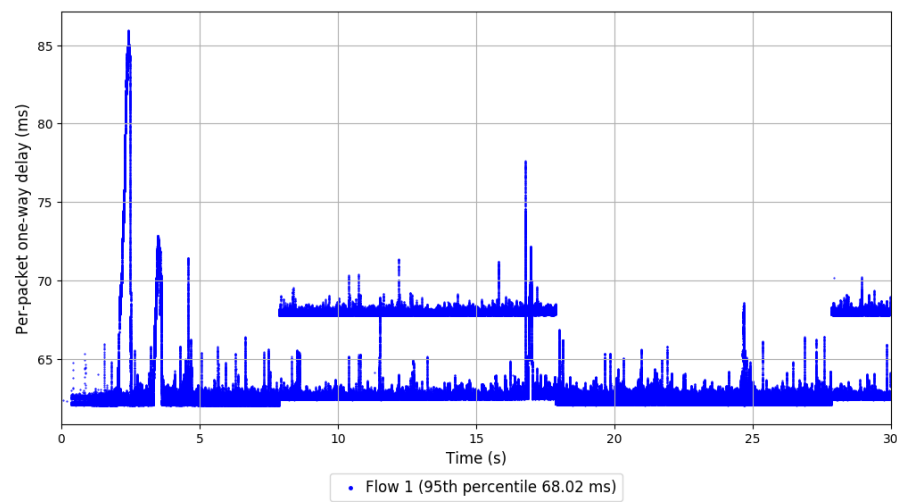
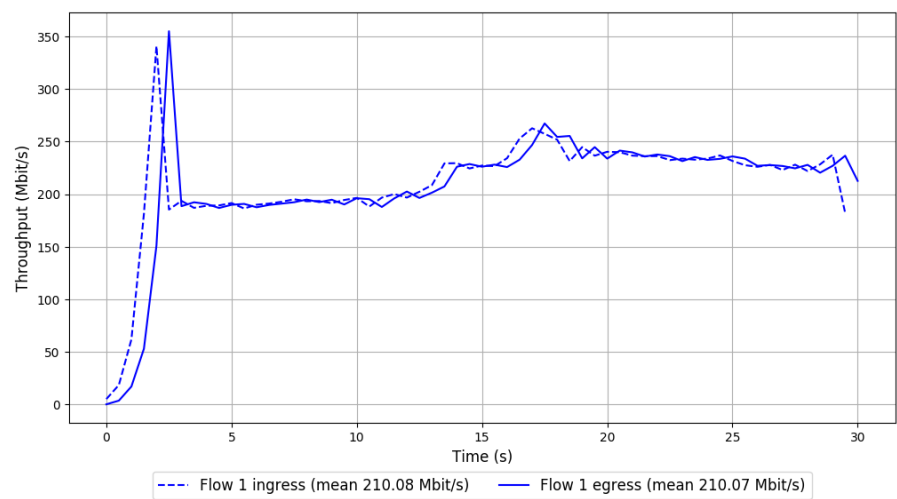


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-10 20:20:39
End at: 2018-07-10 20:21:10
Local clock offset: 0.068 ms
Remote clock offset: 1.279 ms

# Below is generated by plot.py at 2018-07-11 01:00:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 210.07 Mbit/s
95th percentile per-packet one-way delay: 68.024 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 210.07 Mbit/s
95th percentile per-packet one-way delay: 68.024 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Expr — Data Link

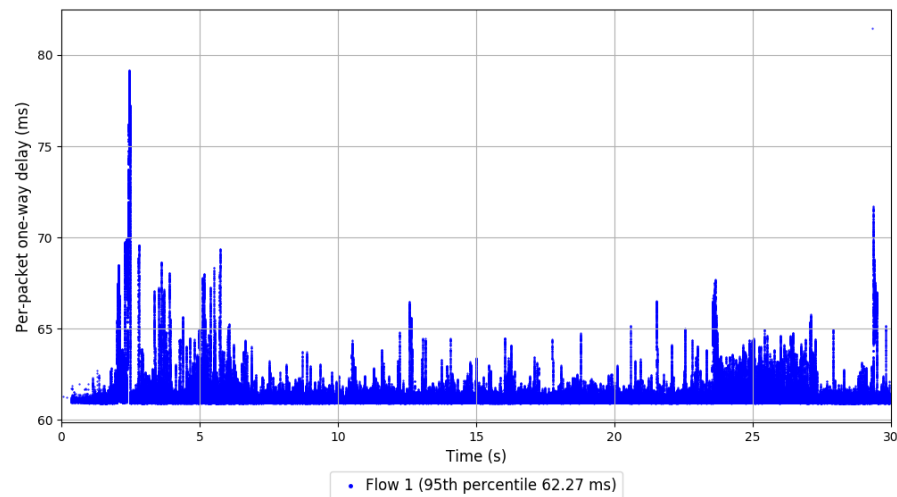
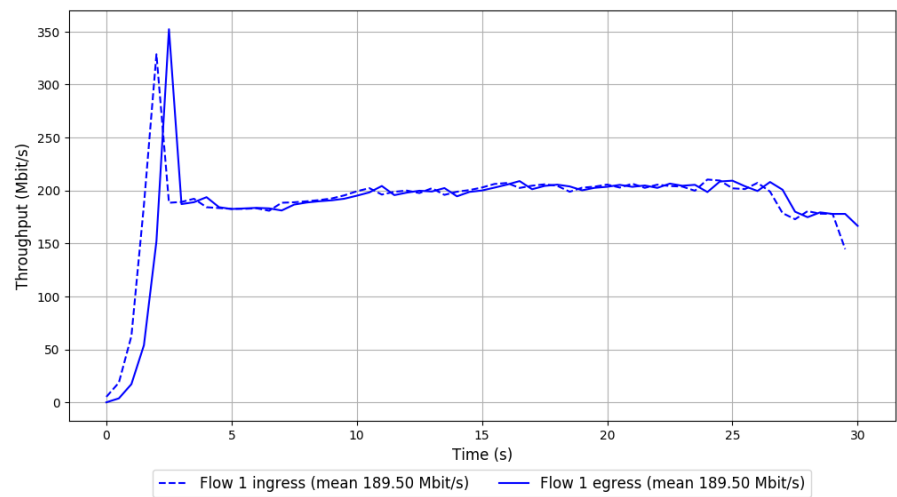


```
Run 2: Statistics of PCC-Expr

Start at: 2018-07-10 20:42:01
End at: 2018-07-10 20:42:31
Local clock offset: 0.032 ms
Remote clock offset: 0.025 ms

# Below is generated by plot.py at 2018-07-11 01:00:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 189.50 Mbit/s
95th percentile per-packet one-way delay: 62.268 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 189.50 Mbit/s
95th percentile per-packet one-way delay: 62.268 ms
Loss rate: 0.00%
```

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-10 21:03:25

End at: 2018-07-10 21:03:55

Local clock offset: 0.046 ms

Remote clock offset: 0.268 ms

Below is generated by plot.py at 2018-07-11 01:00:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 207.90 Mbit/s

95th percentile per-packet one-way delay: 61.640 ms

Loss rate: 0.00%

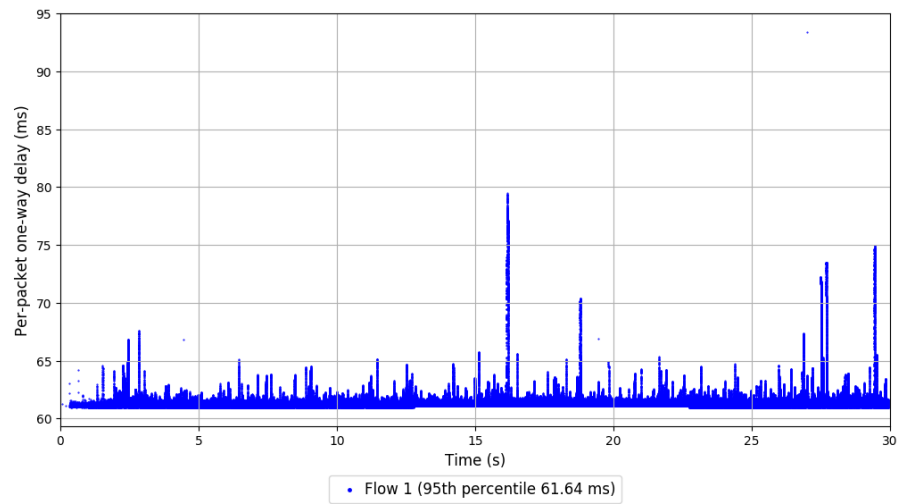
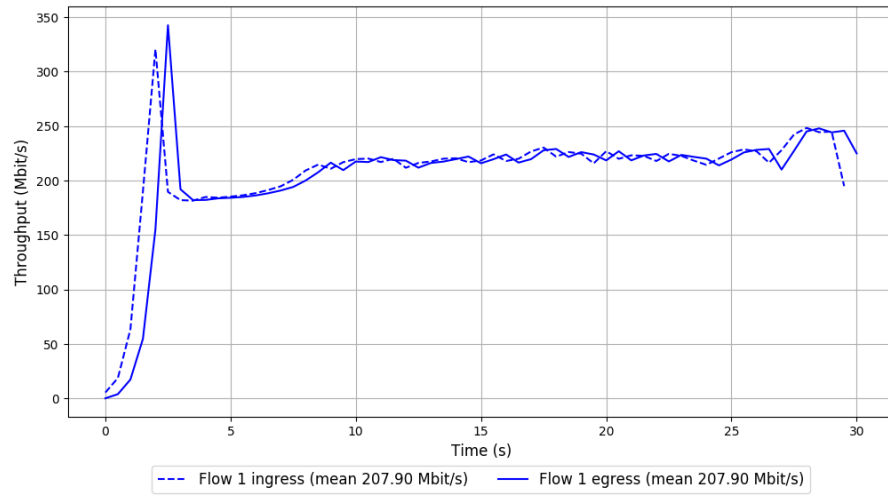
-- Flow 1:

Average throughput: 207.90 Mbit/s

95th percentile per-packet one-way delay: 61.640 ms

Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-10 21:25:44

End at: 2018-07-10 21:26:14

Local clock offset: 0.028 ms

Remote clock offset: 1.265 ms

Below is generated by plot.py at 2018-07-11 01:01:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.20 Mbit/s

95th percentile per-packet one-way delay: 68.946 ms

Loss rate: 0.00%

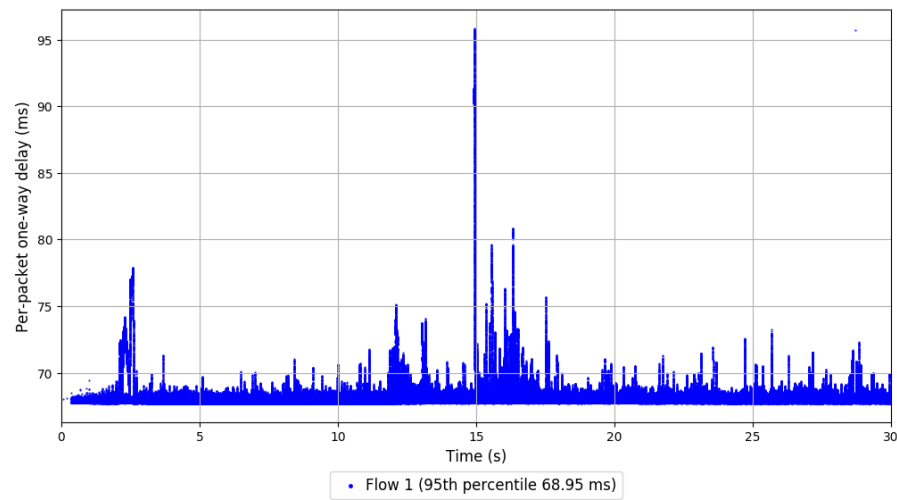
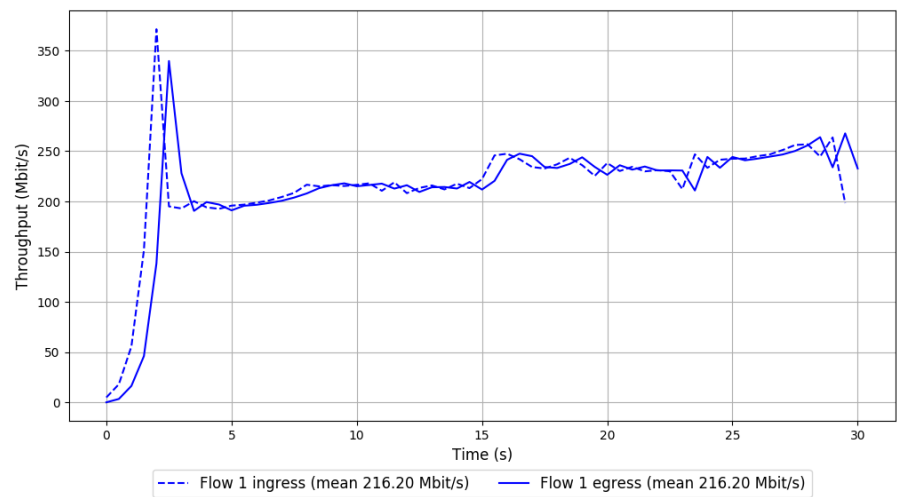
-- Flow 1:

Average throughput: 216.20 Mbit/s

95th percentile per-packet one-way delay: 68.946 ms

Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link

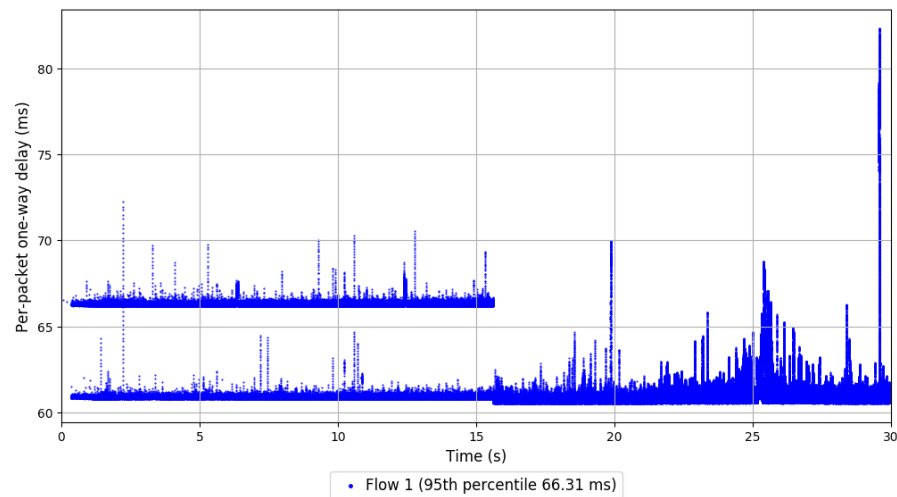
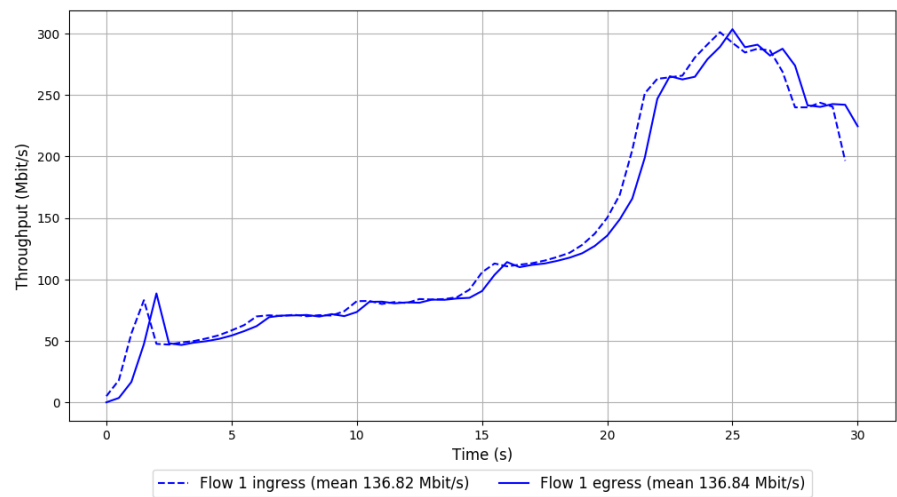


Run 5: Statistics of PCC-Expr

Start at: 2018-07-10 21:47:22
End at: 2018-07-10 21:47:52
Local clock offset: -0.01 ms
Remote clock offset: -0.237 ms

Below is generated by plot.py at 2018-07-11 01:01:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 136.84 Mbit/s
95th percentile per-packet one-way delay: 66.313 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 136.84 Mbit/s
95th percentile per-packet one-way delay: 66.313 ms
Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-10 22:08:48

End at: 2018-07-10 22:09:18

Local clock offset: -0.034 ms

Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-11 01:04:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.23 Mbit/s

95th percentile per-packet one-way delay: 61.800 ms

Loss rate: 0.00%

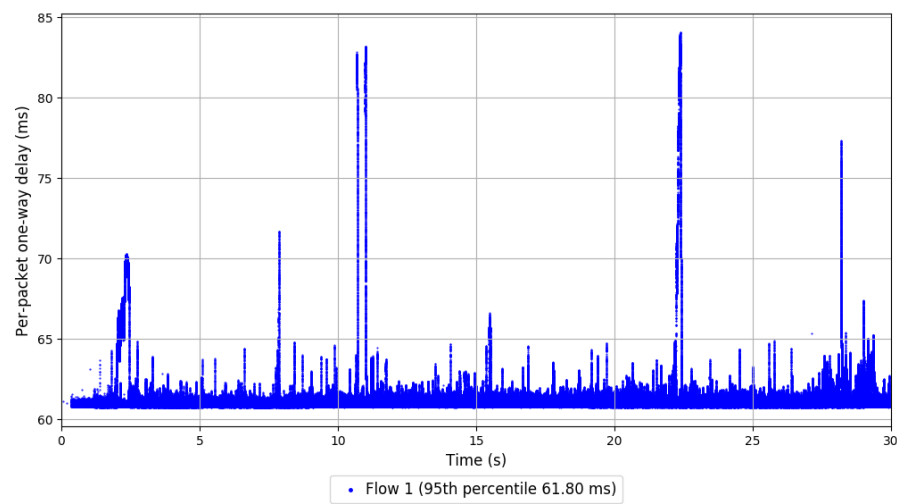
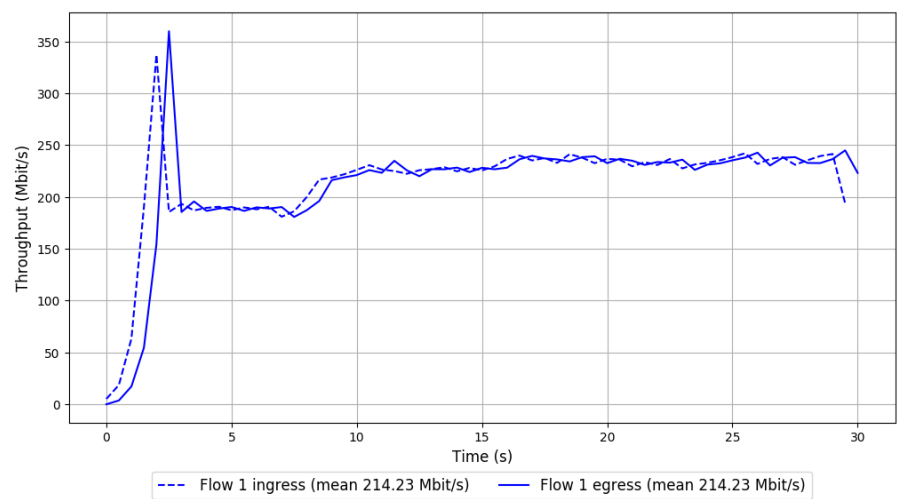
-- Flow 1:

Average throughput: 214.23 Mbit/s

95th percentile per-packet one-way delay: 61.800 ms

Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link

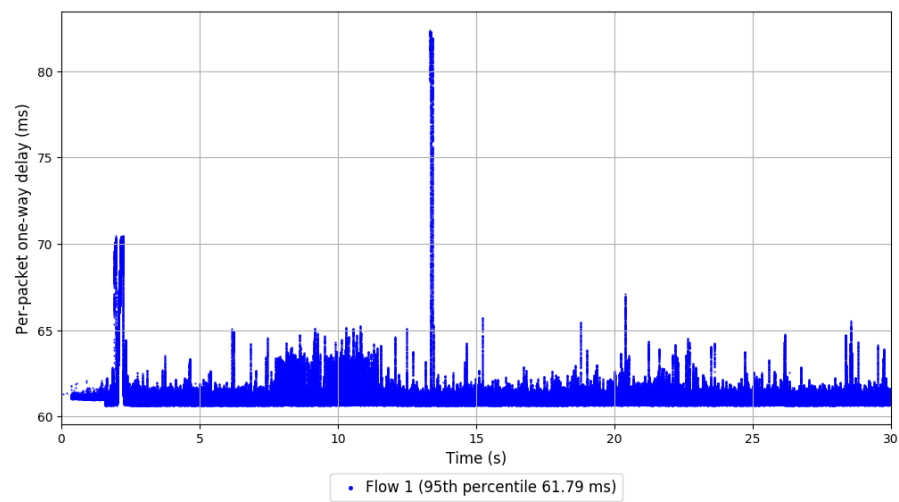
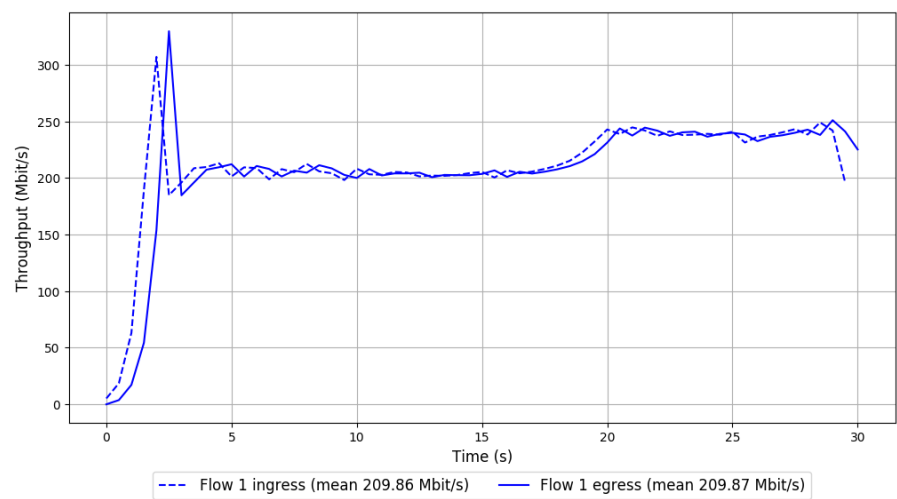


Run 7: Statistics of PCC-Expr

Start at: 2018-07-10 22:30:46
End at: 2018-07-10 22:31:16
Local clock offset: -0.027 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-11 01:06:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 209.87 Mbit/s
95th percentile per-packet one-way delay: 61.788 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 209.87 Mbit/s
95th percentile per-packet one-way delay: 61.788 ms
Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-10 22:52:34

End at: 2018-07-10 22:53:04

Local clock offset: -0.026 ms

Remote clock offset: 0.929 ms

Below is generated by plot.py at 2018-07-11 01:07:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.68 Mbit/s

95th percentile per-packet one-way delay: 63.706 ms

Loss rate: 0.00%

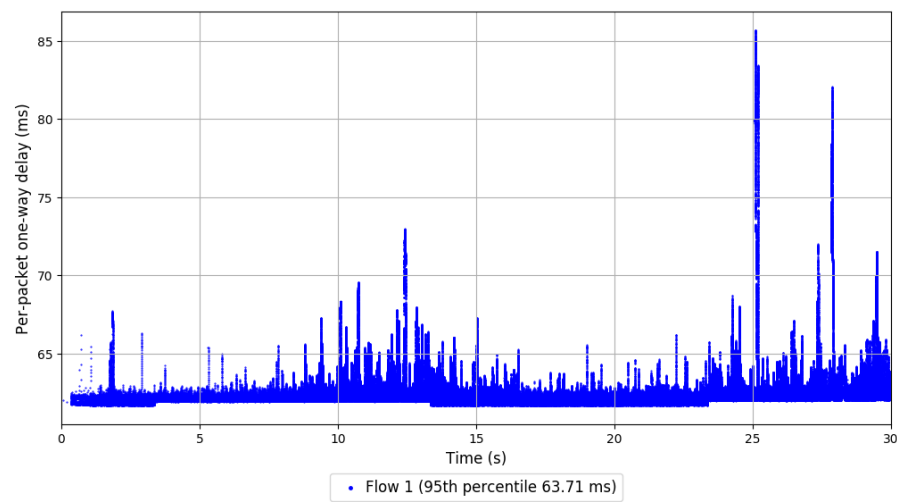
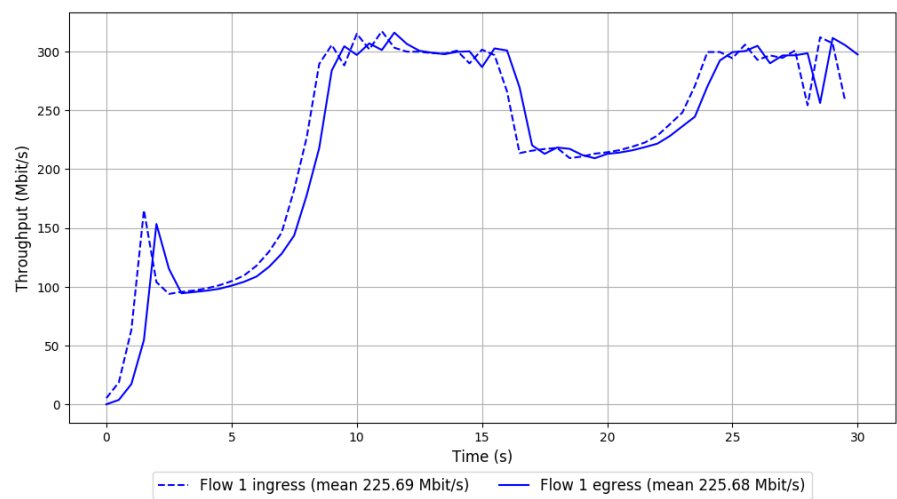
-- Flow 1:

Average throughput: 225.68 Mbit/s

95th percentile per-packet one-way delay: 63.706 ms

Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-10 23:14:08

End at: 2018-07-10 23:14:38

Local clock offset: 0.007 ms

Remote clock offset: 0.153 ms

Below is generated by plot.py at 2018-07-11 01:07:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.27 Mbit/s

95th percentile per-packet one-way delay: 75.407 ms

Loss rate: 0.17%

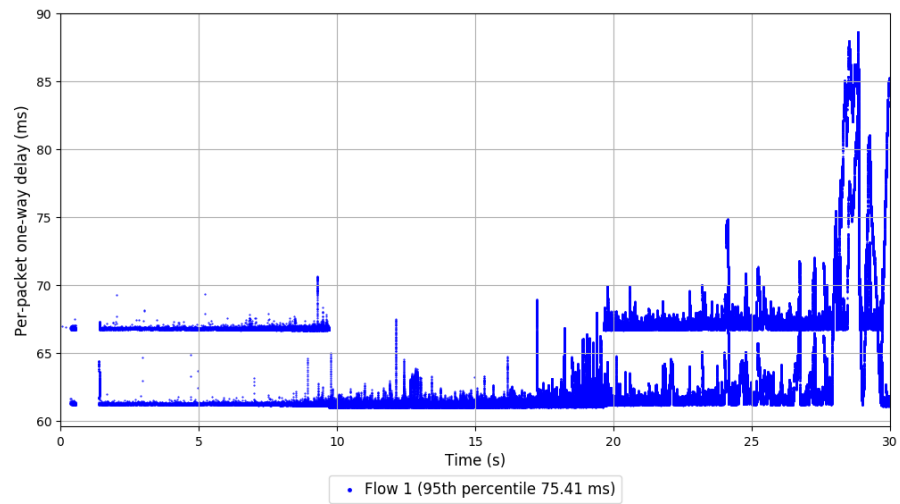
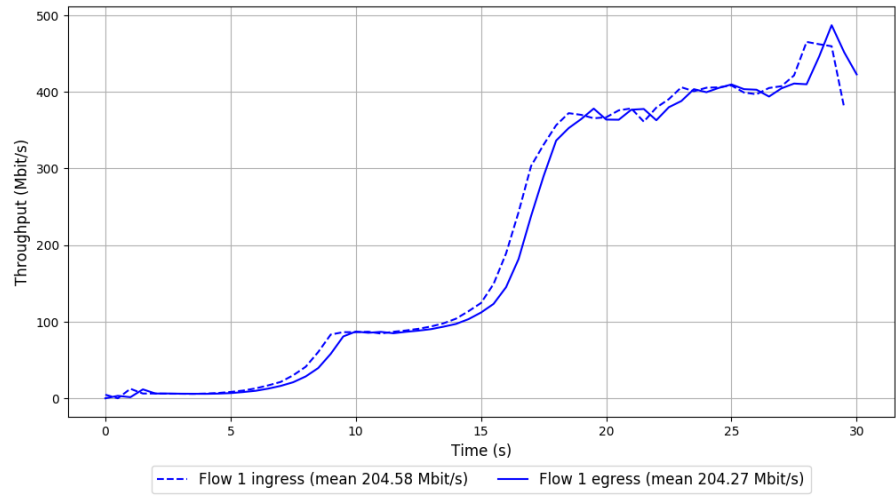
-- Flow 1:

Average throughput: 204.27 Mbit/s

95th percentile per-packet one-way delay: 75.407 ms

Loss rate: 0.17%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-10 23:35:36

End at: 2018-07-10 23:36:06

Local clock offset: 0.001 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-07-11 01:08:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 242.21 Mbit/s

95th percentile per-packet one-way delay: 62.438 ms

Loss rate: 0.00%

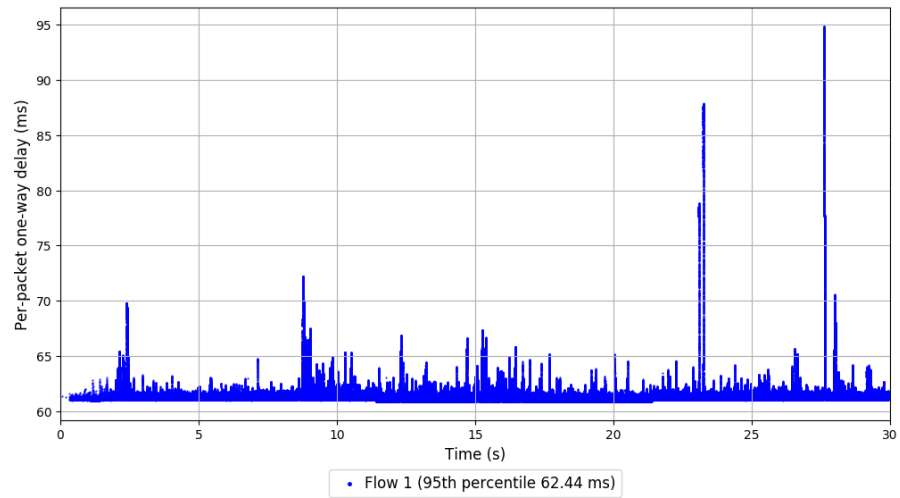
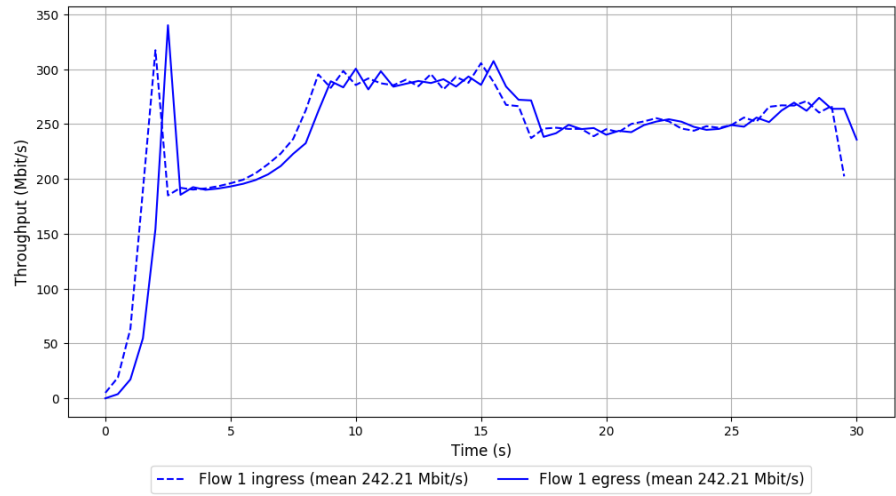
-- Flow 1:

Average throughput: 242.21 Mbit/s

95th percentile per-packet one-way delay: 62.438 ms

Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-10 20:24:49

End at: 2018-07-10 20:25:19

Local clock offset: 0.028 ms

Remote clock offset: 1.283 ms

Below is generated by plot.py at 2018-07-11 01:08:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.87 Mbit/s

95th percentile per-packet one-way delay: 62.566 ms

Loss rate: 0.00%

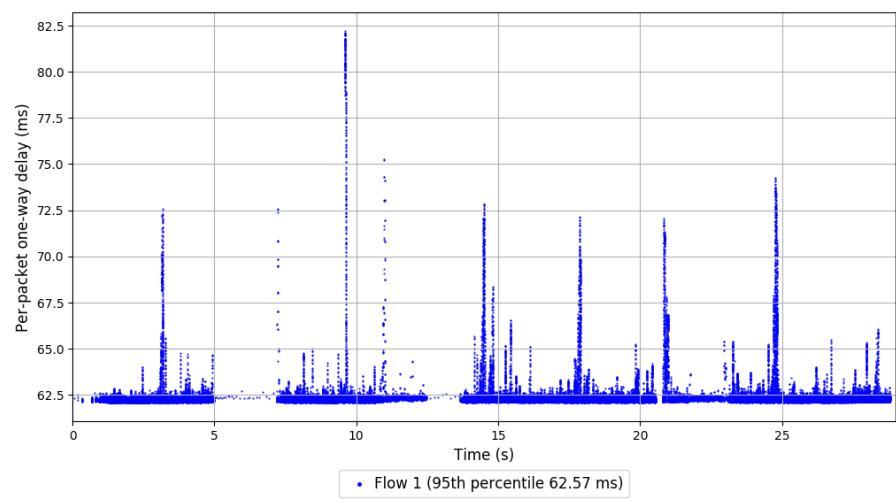
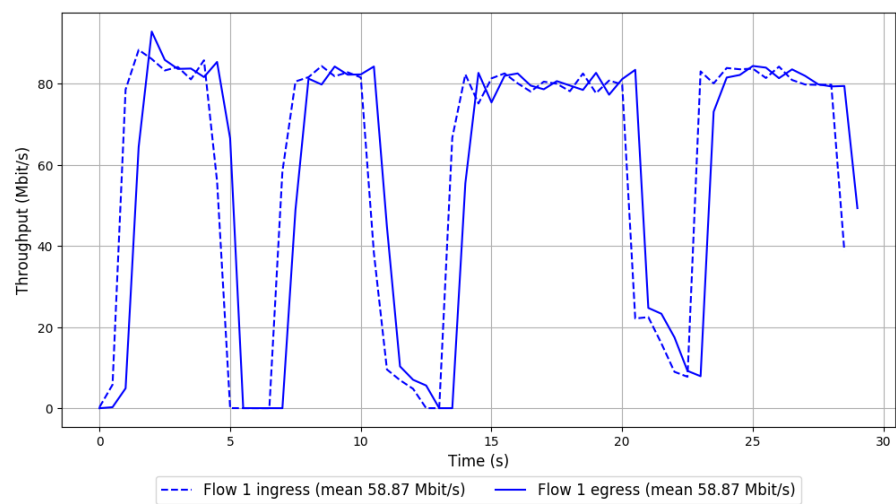
-- Flow 1:

Average throughput: 58.87 Mbit/s

95th percentile per-packet one-way delay: 62.566 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

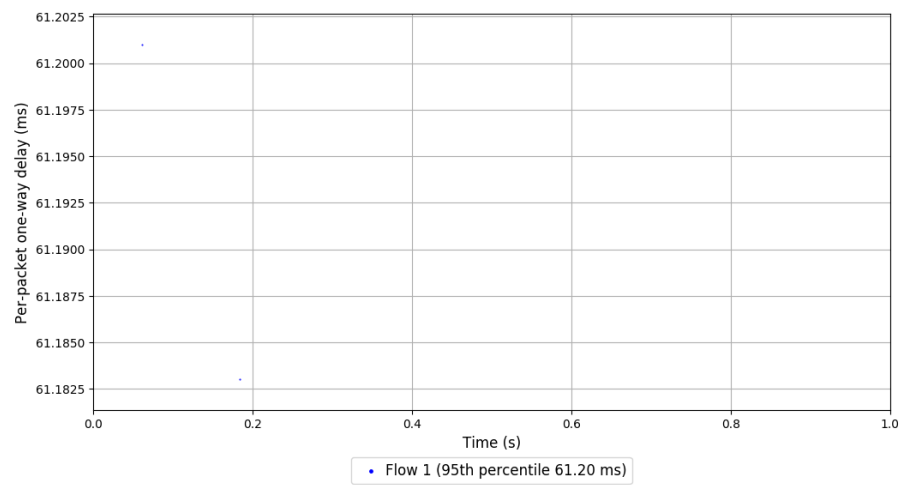
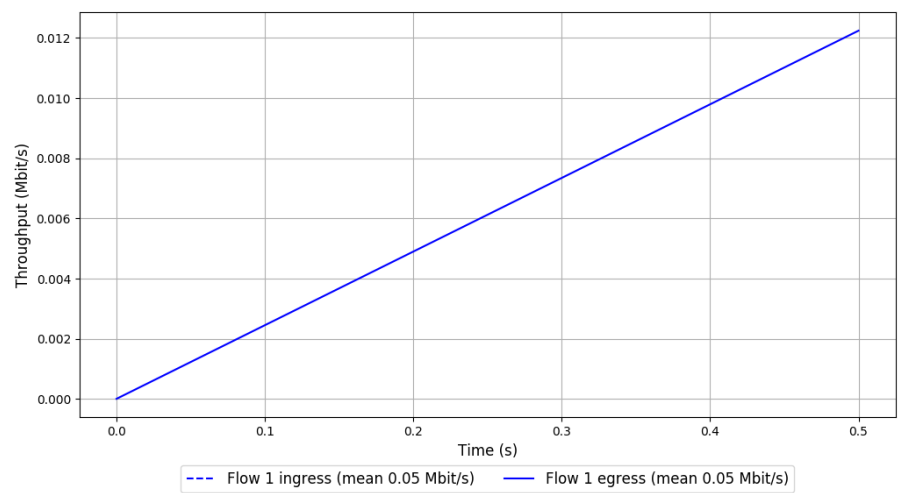
Start at: 2018-07-10 20:46:07

End at: 2018-07-10 20:46:37

Local clock offset: 0.057 ms

Remote clock offset: 0.171 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

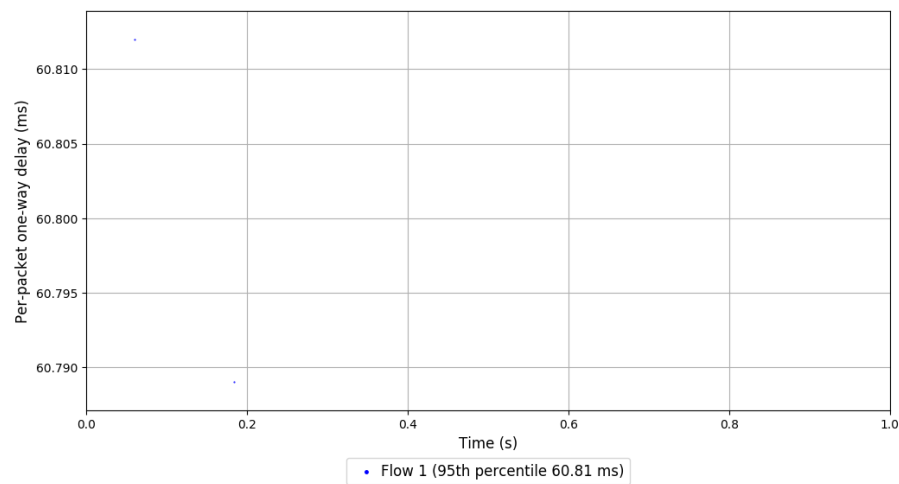
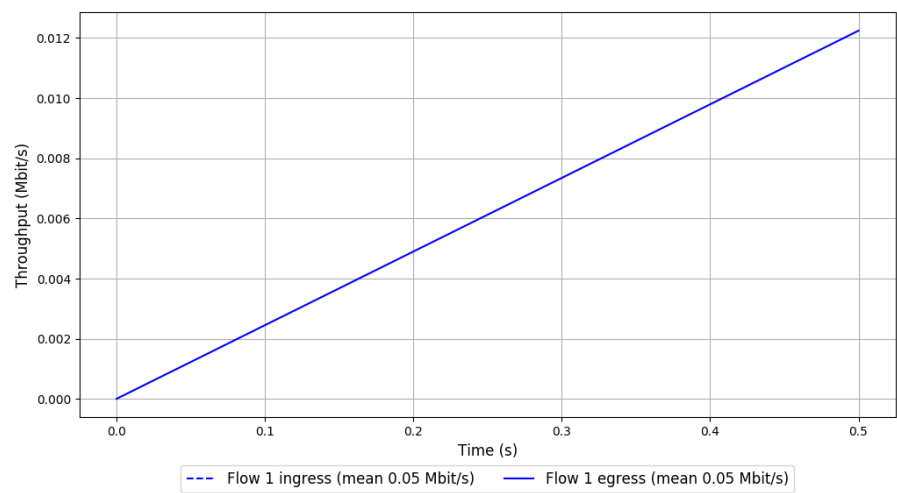
Start at: 2018-07-10 21:08:19

End at: 2018-07-10 21:08:49

Local clock offset: 0.073 ms

Remote clock offset: -0.123 ms

Run 3: Report of QUIC Cubic — Data Link

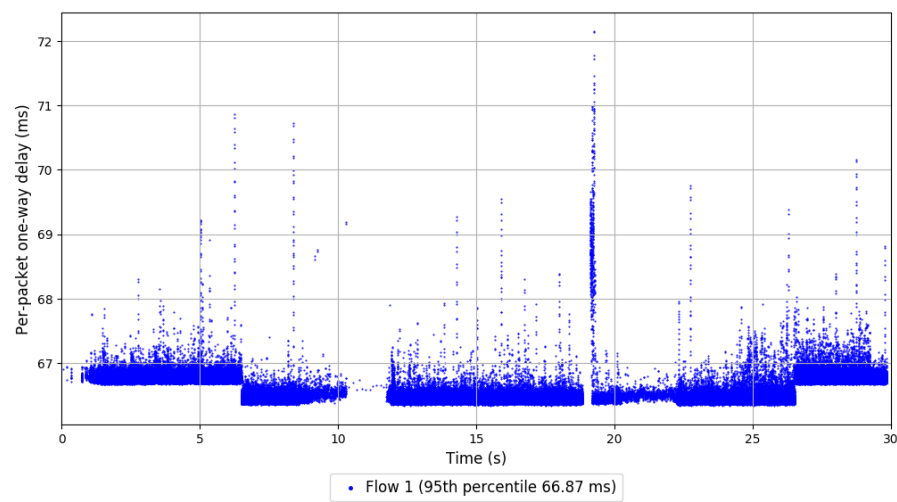
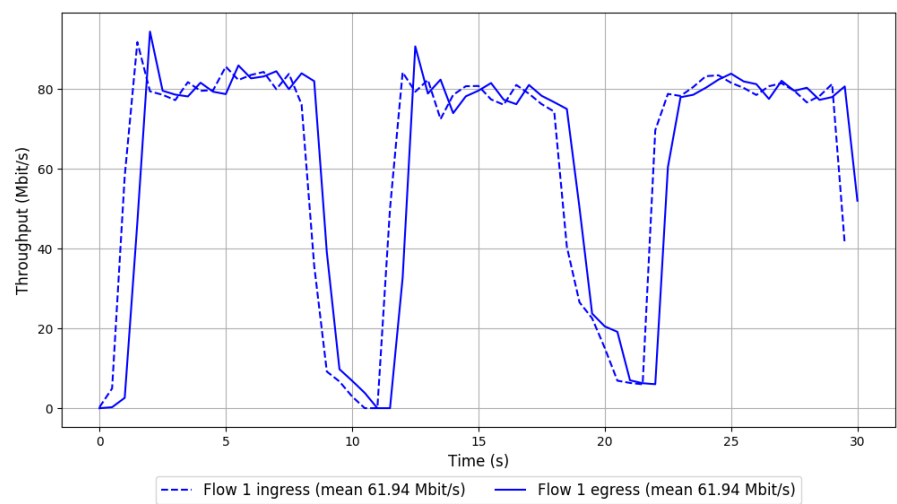


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-10 21:30:01
End at: 2018-07-10 21:30:31
Local clock offset: 0.02 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-07-11 01:08:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.94 Mbit/s
95th percentile per-packet one-way delay: 66.867 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.94 Mbit/s
95th percentile per-packet one-way delay: 66.867 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-10 21:51:28

End at: 2018-07-10 21:51:58

Local clock offset: 0.023 ms

Remote clock offset: -1.477 ms

Below is generated by plot.py at 2018-07-11 01:08:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.47 Mbit/s

95th percentile per-packet one-way delay: 65.394 ms

Loss rate: 0.02%

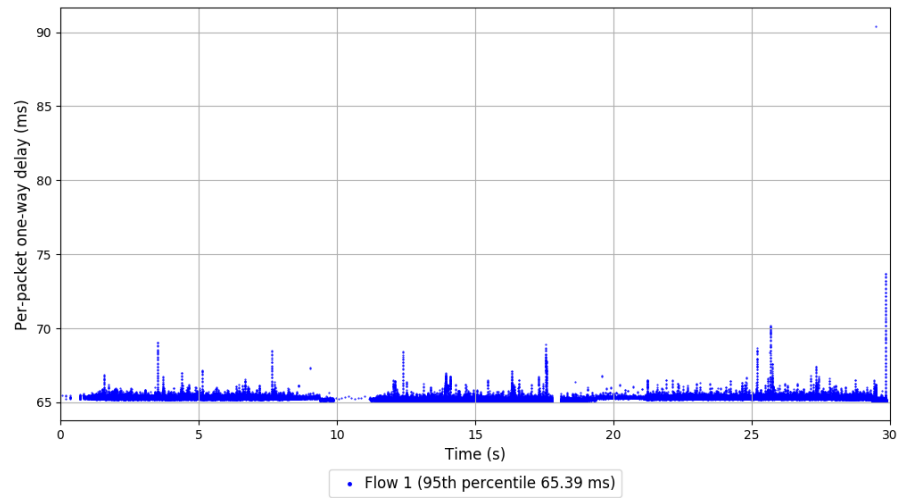
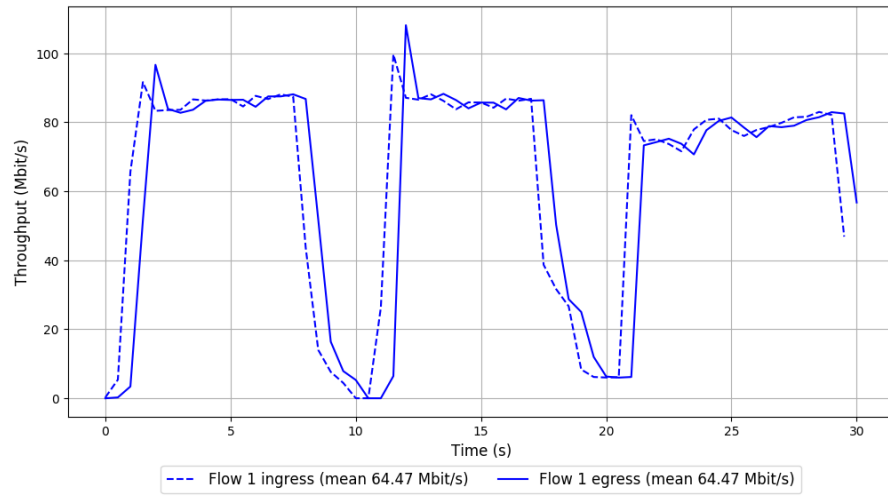
-- Flow 1:

Average throughput: 64.47 Mbit/s

95th percentile per-packet one-way delay: 65.394 ms

Loss rate: 0.02%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-10 22:13:04

End at: 2018-07-10 22:13:34

Local clock offset: -0.008 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-07-11 01:08:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.94 Mbit/s

95th percentile per-packet one-way delay: 66.748 ms

Loss rate: 0.02%

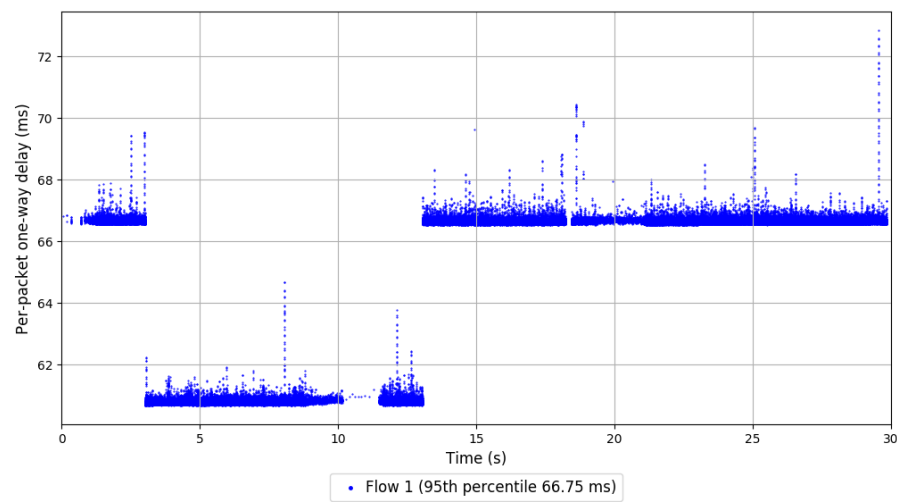
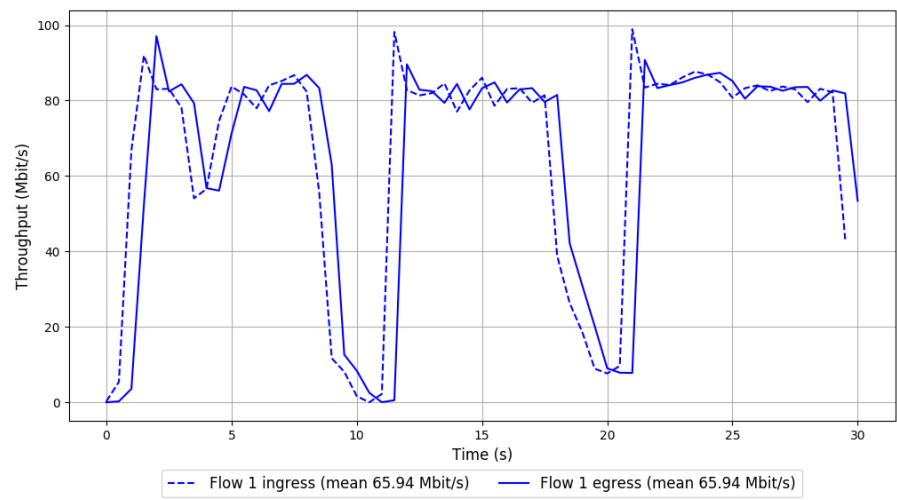
-- Flow 1:

Average throughput: 65.94 Mbit/s

95th percentile per-packet one-way delay: 66.748 ms

Loss rate: 0.02%

Run 6: Report of QUIC Cubic — Data Link

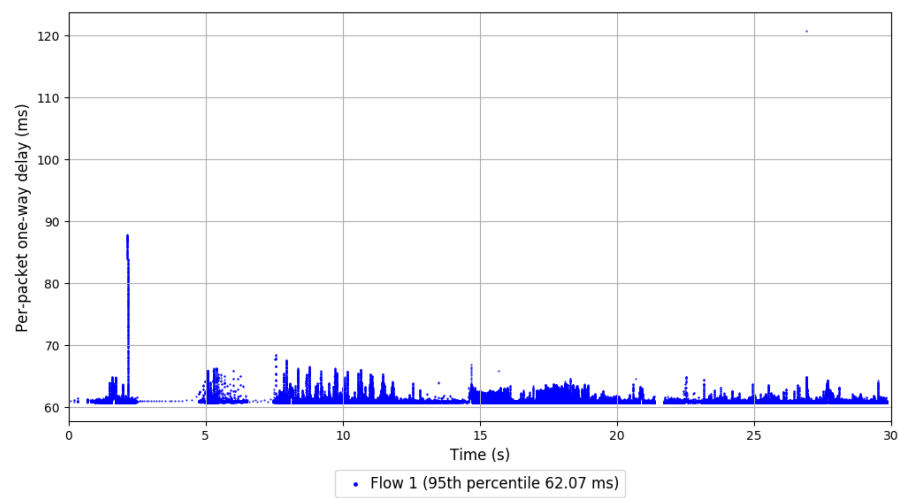
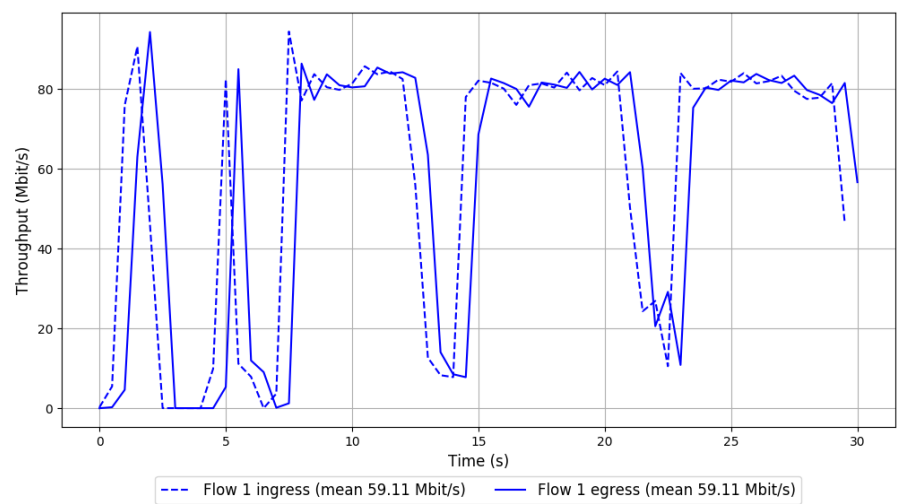


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-10 22:34:57
End at: 2018-07-10 22:35:27
Local clock offset: -0.036 ms
Remote clock offset: -0.311 ms

Below is generated by plot.py at 2018-07-11 01:08:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.11 Mbit/s
95th percentile per-packet one-way delay: 62.066 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.11 Mbit/s
95th percentile per-packet one-way delay: 62.066 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-10 22:56:47

End at: 2018-07-10 22:57:17

Local clock offset: -0.081 ms

Remote clock offset: -0.17 ms

Below is generated by plot.py at 2018-07-11 01:08:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.54 Mbit/s

95th percentile per-packet one-way delay: 61.173 ms

Loss rate: 0.00%

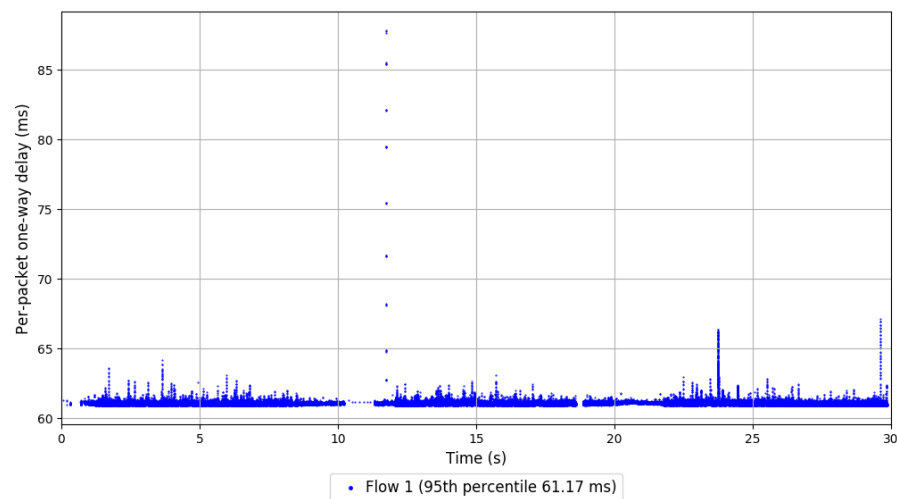
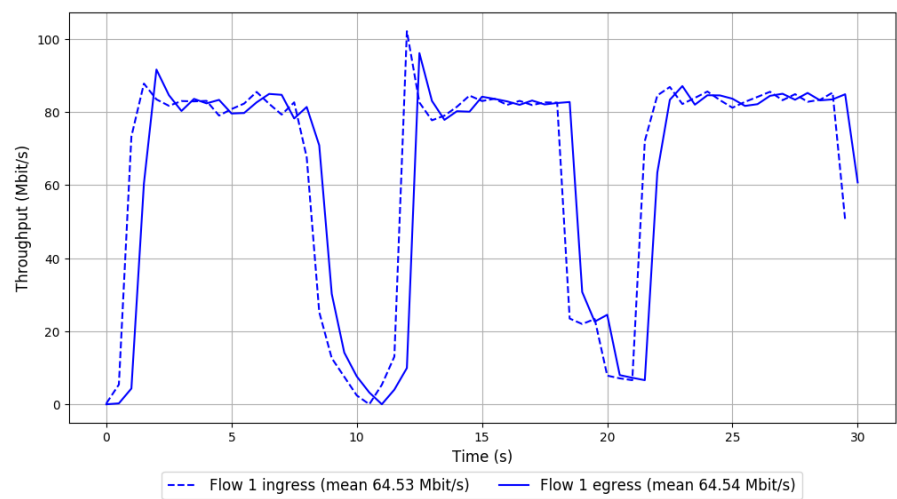
-- Flow 1:

Average throughput: 64.54 Mbit/s

95th percentile per-packet one-way delay: 61.173 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

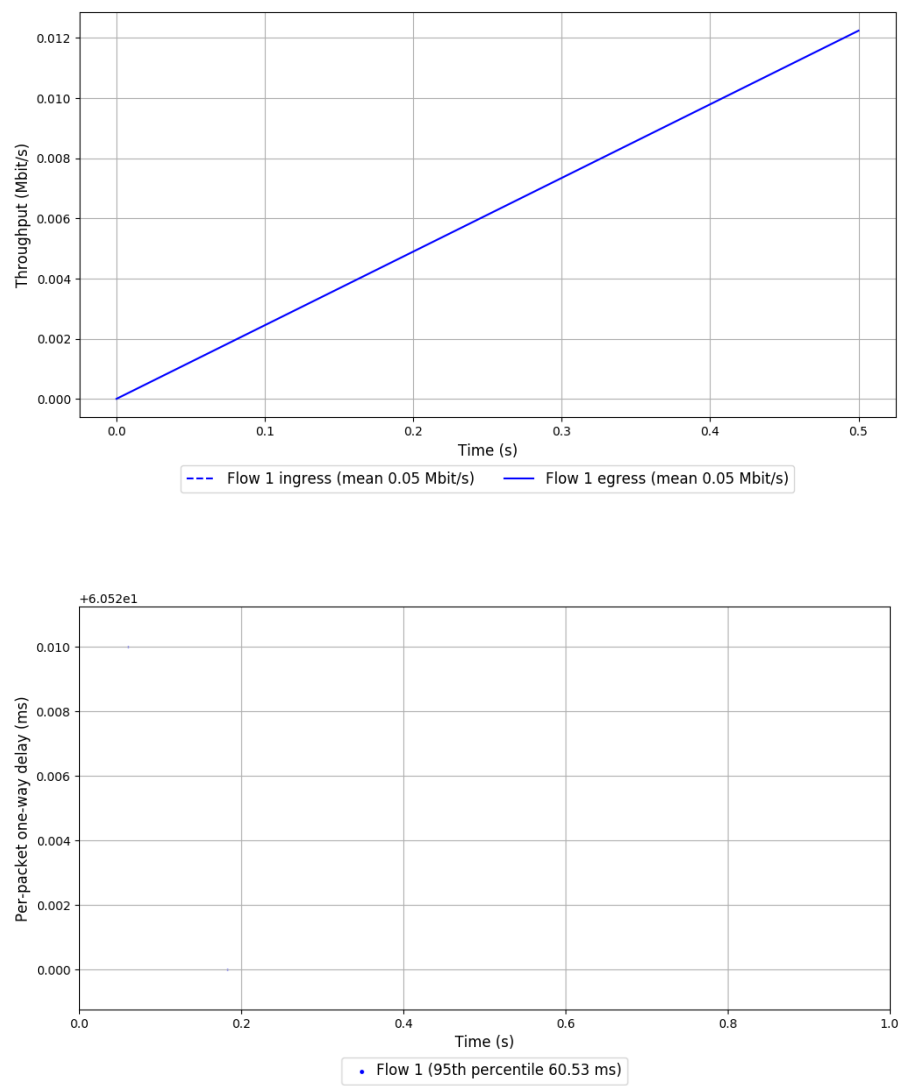
Start at: 2018-07-10 23:18:15

End at: 2018-07-10 23:18:45

Local clock offset: -0.047 ms

Remote clock offset: -0.514 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

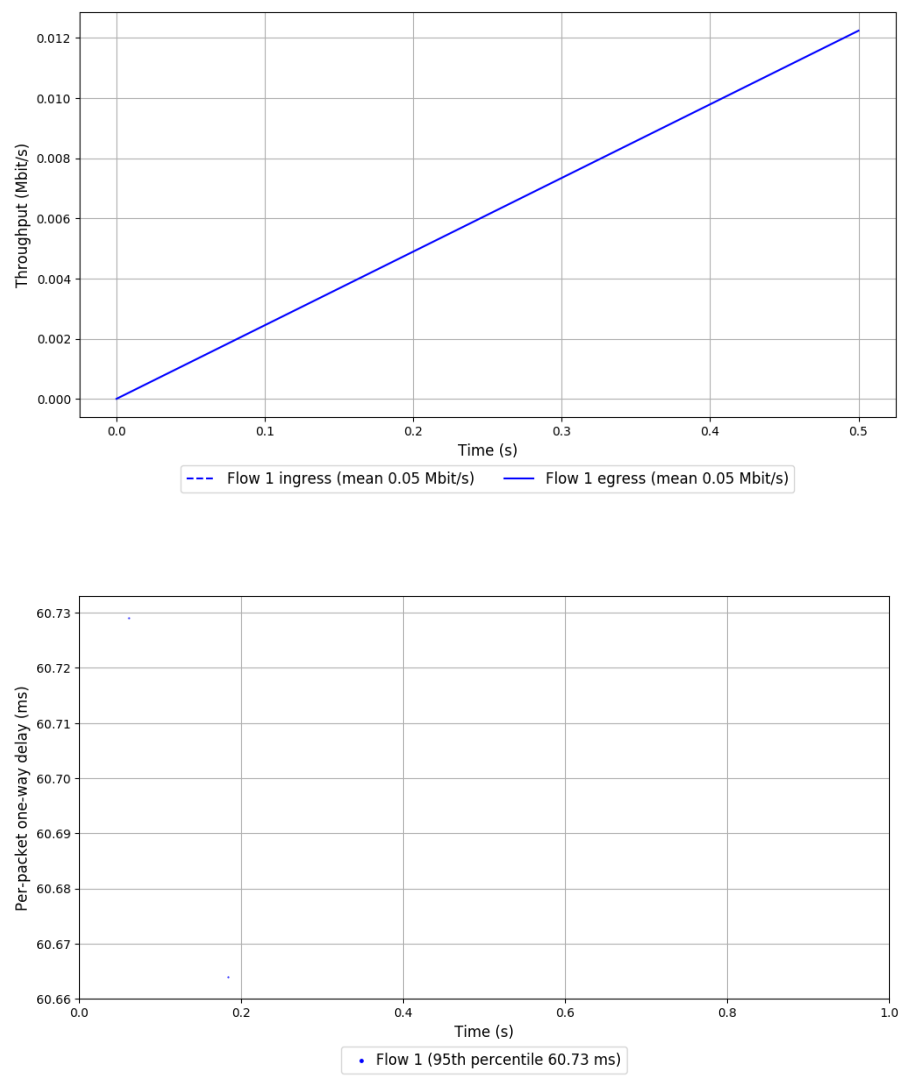
Start at: 2018-07-10 23:39:53

End at: 2018-07-10 23:40:23

Local clock offset: -0.048 ms

Remote clock offset: -0.347 ms

Run 10: Report of QUIC Cubic — Data Link

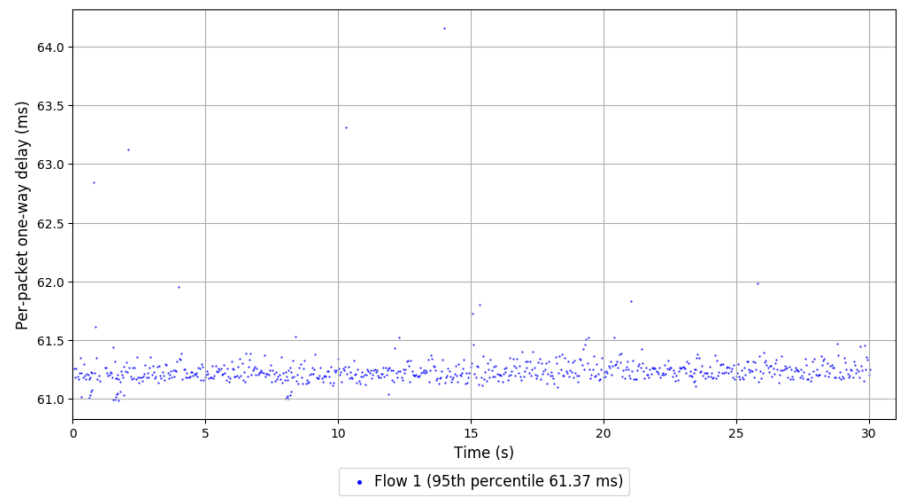
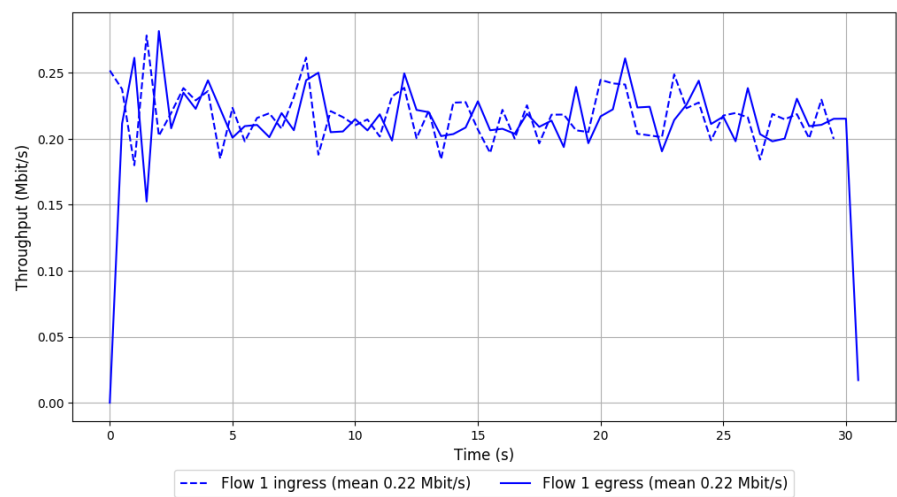


```
Run 1: Statistics of SCReAM

Start at: 2018-07-10 20:32:20
End at: 2018-07-10 20:32:50
Local clock offset: 0.037 ms
Remote clock offset: 0.142 ms

# Below is generated by plot.py at 2018-07-11 01:08:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.371 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.371 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-07-10 20:53:26

End at: 2018-07-10 20:53:56

Local clock offset: 0.044 ms

Remote clock offset: 1.206 ms

Below is generated by plot.py at 2018-07-11 01:08:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.491 ms

Loss rate: 0.00%

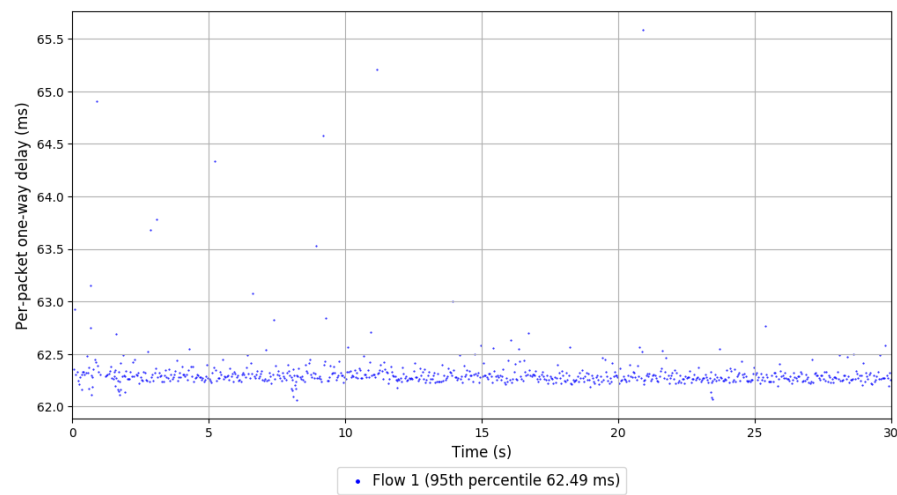
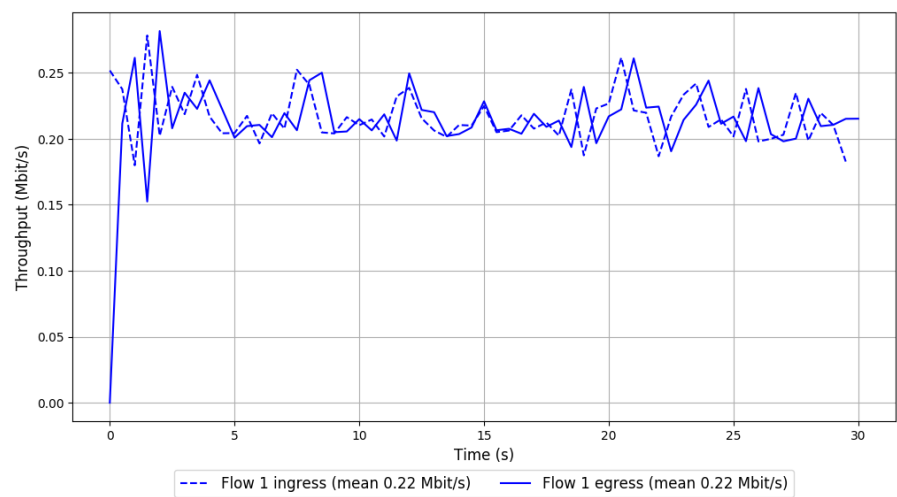
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 62.491 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-07-10 21:16:06

End at: 2018-07-10 21:16:36

Local clock offset: 0.017 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-07-11 01:08:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 66.967 ms

Loss rate: 0.00%

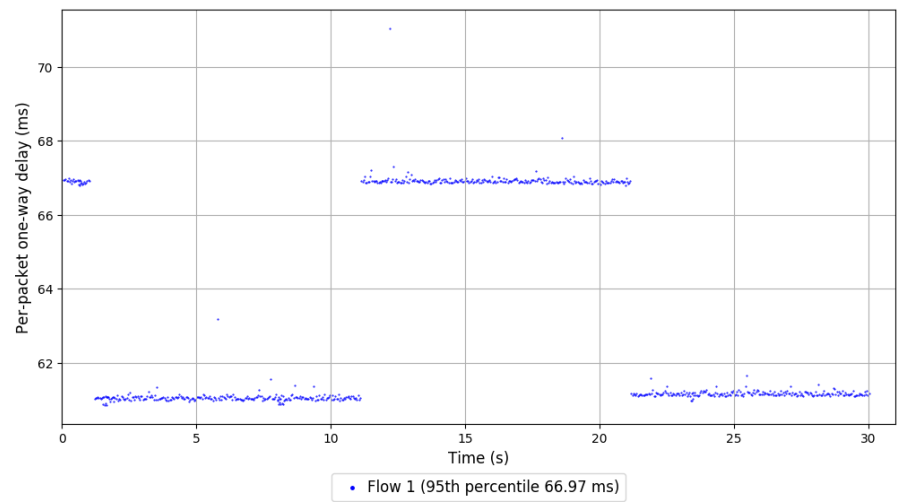
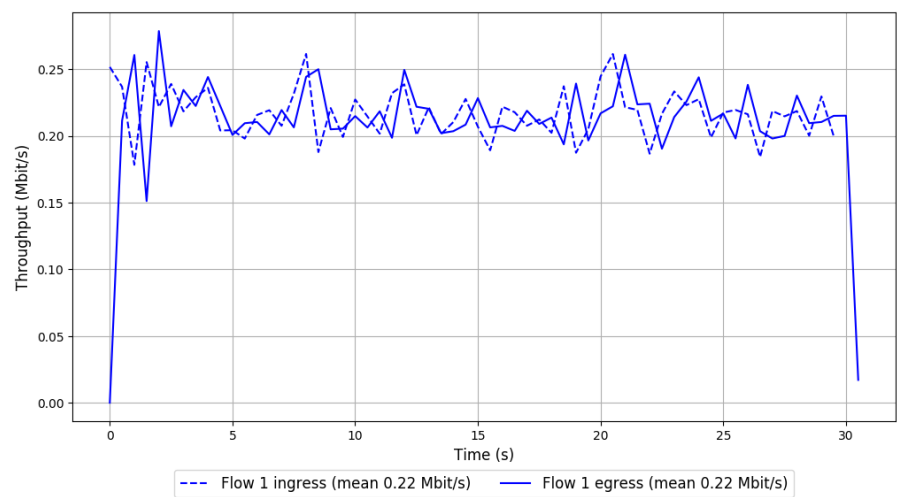
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 66.967 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-07-10 21:37:22

End at: 2018-07-10 21:37:52

Local clock offset: 0.03 ms

Remote clock offset: 0.177 ms

Below is generated by plot.py at 2018-07-11 01:08:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 67.209 ms

Loss rate: 0.00%

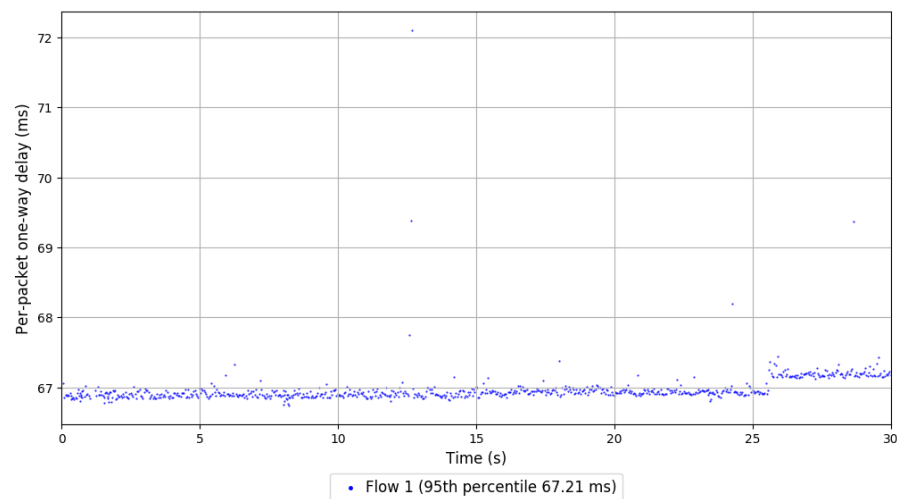
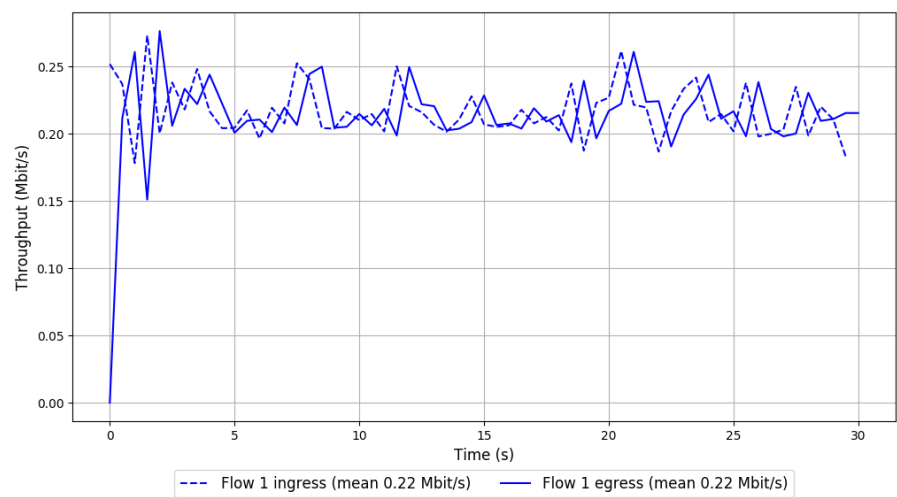
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 67.209 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-07-10 21:58:56

End at: 2018-07-10 21:59:26

Local clock offset: 0.002 ms

Remote clock offset: 0.324 ms

Below is generated by plot.py at 2018-07-11 01:08:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 66.994 ms

Loss rate: 0.00%

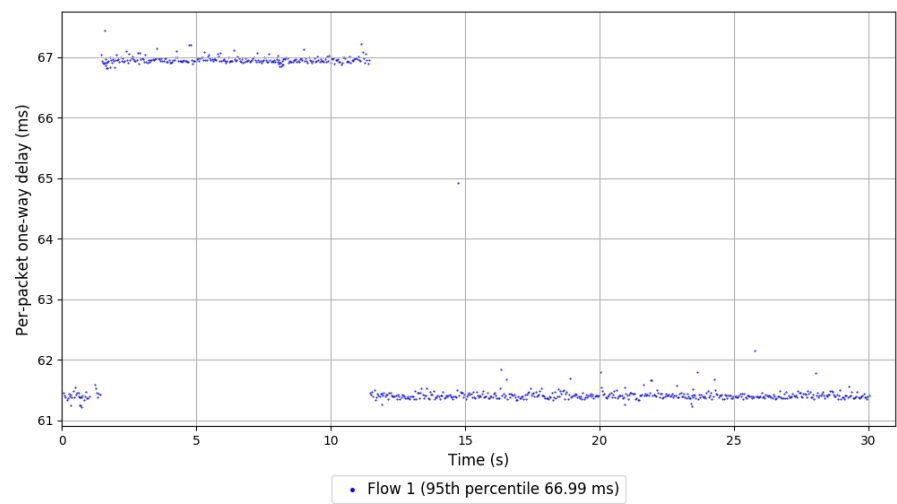
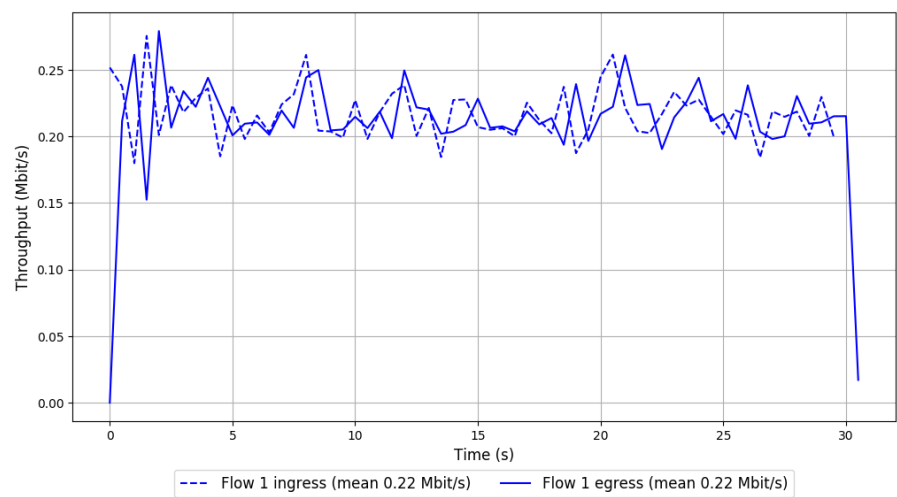
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 66.994 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

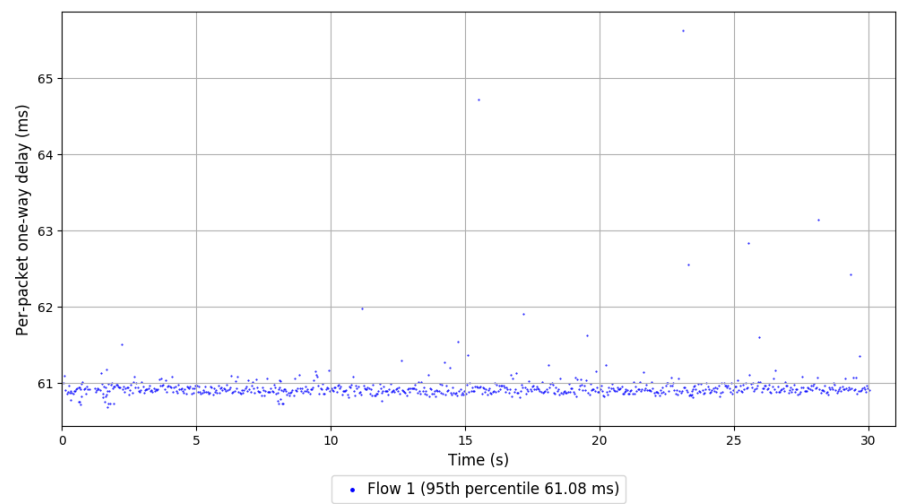
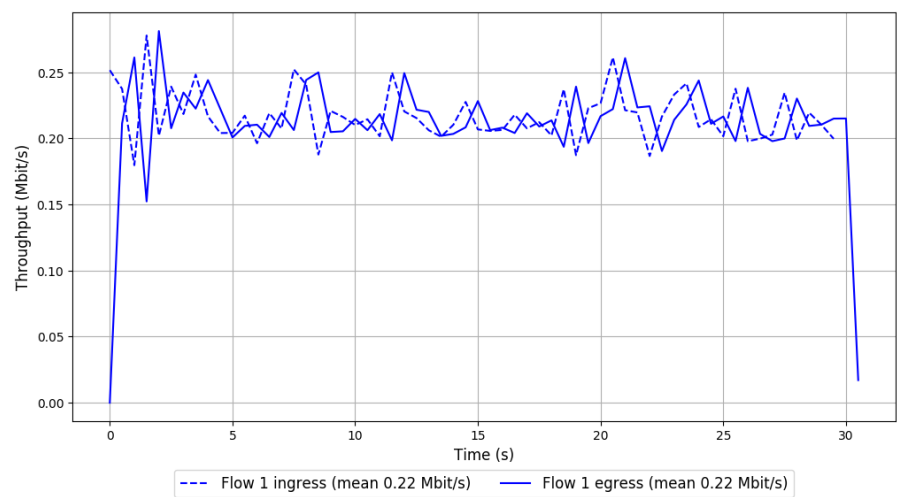


Run 6: Statistics of SCReAM

Start at: 2018-07-10 22:20:35
End at: 2018-07-10 22:21:05
Local clock offset: -0.021 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-11 01:08:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.079 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.079 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

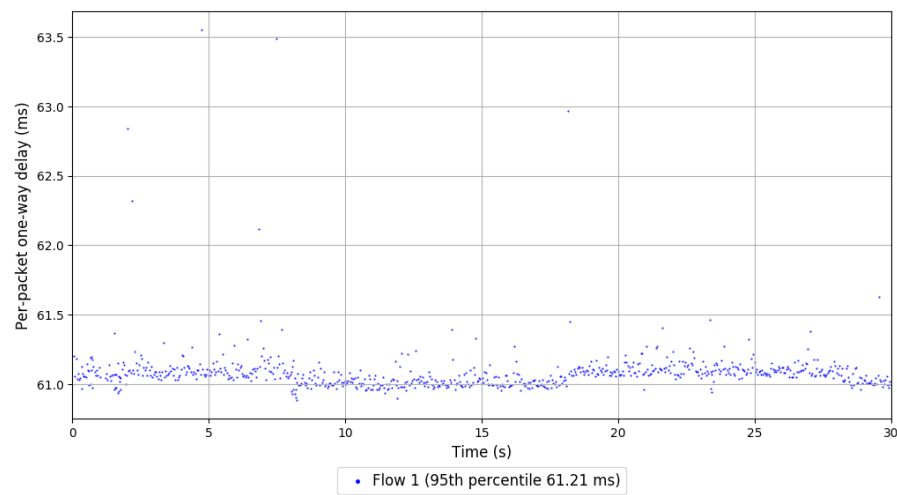
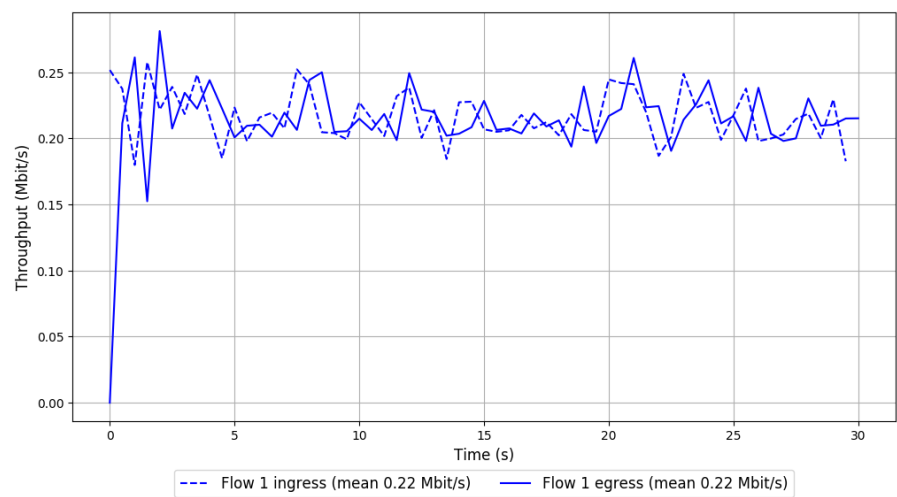


Run 7: Statistics of SReAM

Start at: 2018-07-10 22:42:19
End at: 2018-07-10 22:42:49
Local clock offset: -0.03 ms
Remote clock offset: -0.243 ms

Below is generated by plot.py at 2018-07-11 01:08:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.214 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.214 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

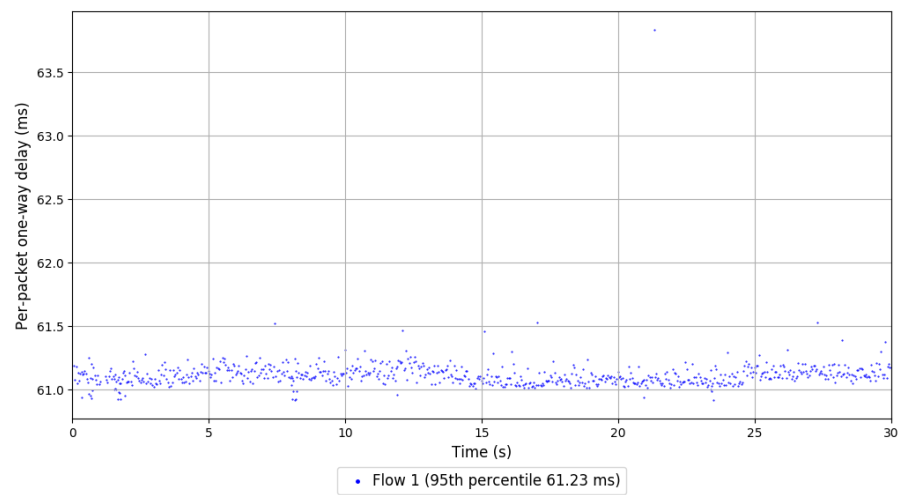
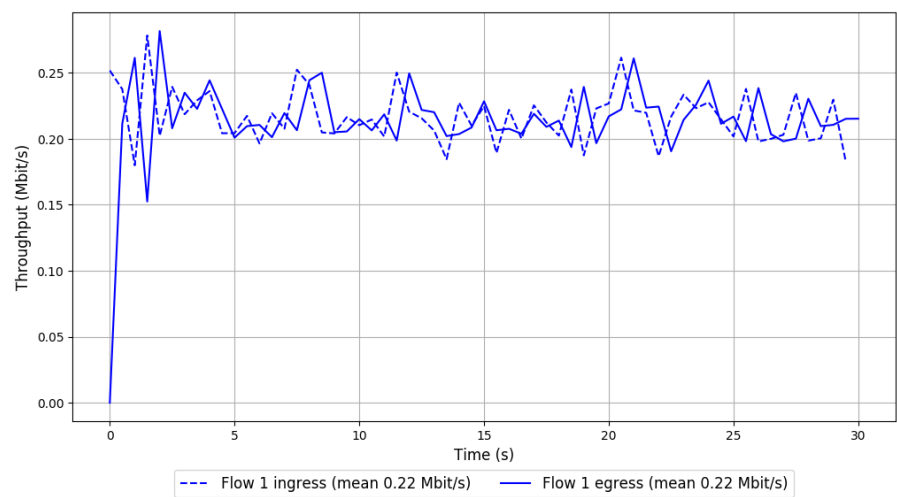


Run 8: Statistics of SCReAM

Start at: 2018-07-10 23:04:13
End at: 2018-07-10 23:04:43
Local clock offset: 0.038 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-07-11 01:08:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.228 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.228 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

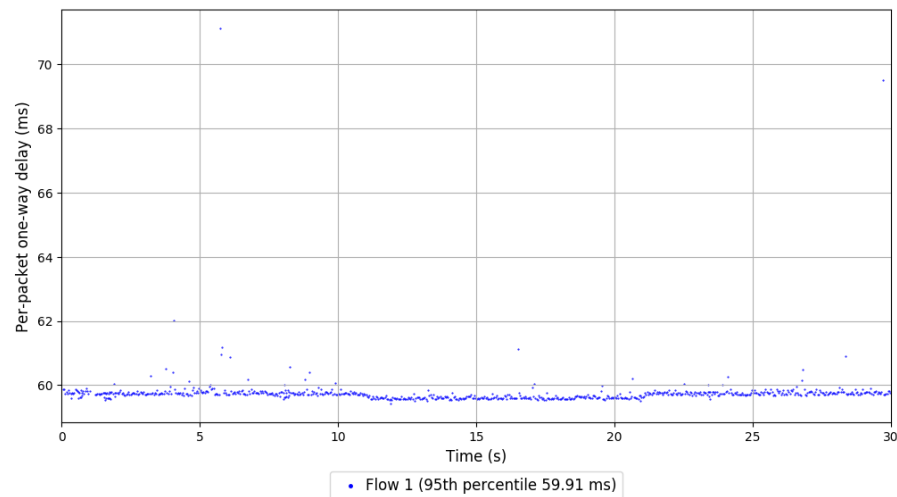
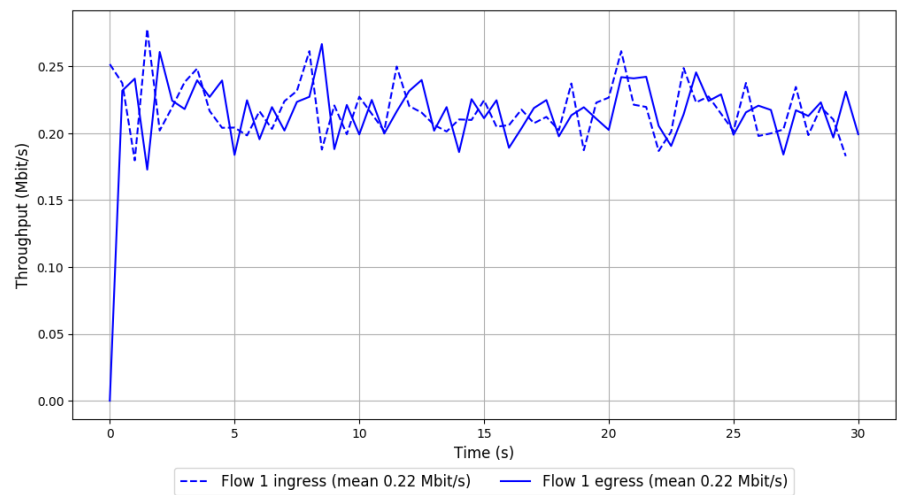


Run 9: Statistics of SCReAM

Start at: 2018-07-10 23:25:37
End at: 2018-07-10 23:26:07
Local clock offset: -0.019 ms
Remote clock offset: -1.393 ms

Below is generated by plot.py at 2018-07-11 01:08:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.908 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.908 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

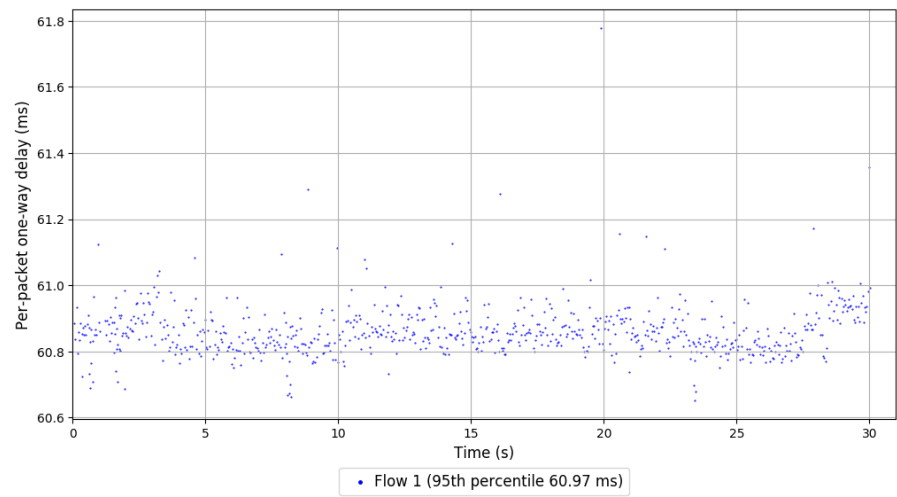
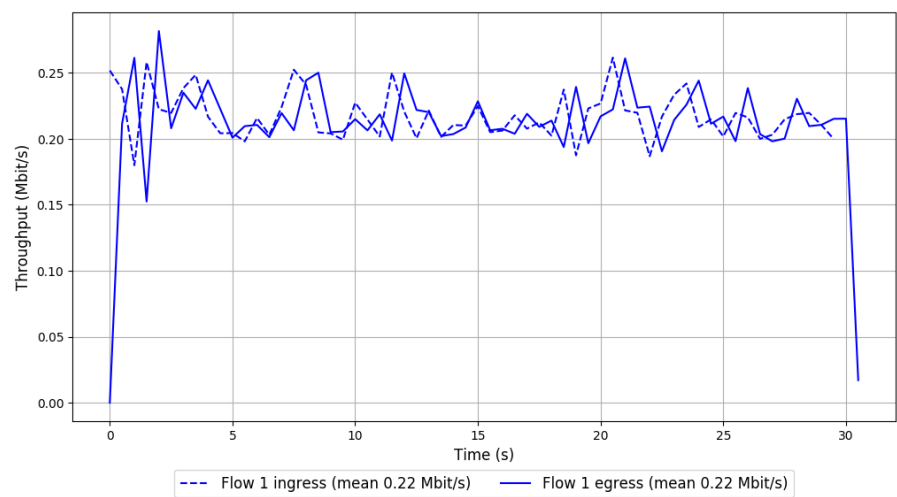


Run 10: Statistics of SReAM

Start at: 2018-07-10 23:47:19
End at: 2018-07-10 23:47:49
Local clock offset: -0.05 ms
Remote clock offset: -0.214 ms

Below is generated by plot.py at 2018-07-11 01:08:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.972 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.972 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-10 20:37:03

End at: 2018-07-10 20:37:33

Local clock offset: 0.041 ms

Remote clock offset: 0.134 ms

Below is generated by plot.py at 2018-07-11 01:08:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 61.635 ms

Loss rate: 0.00%

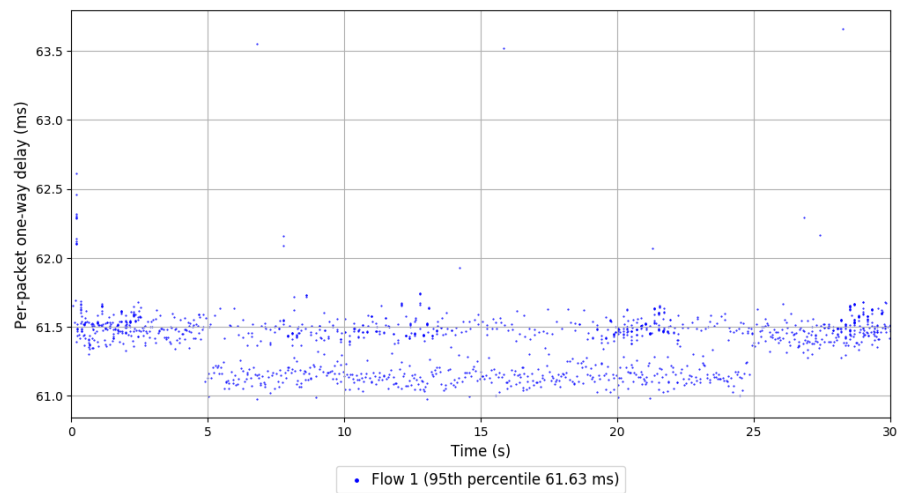
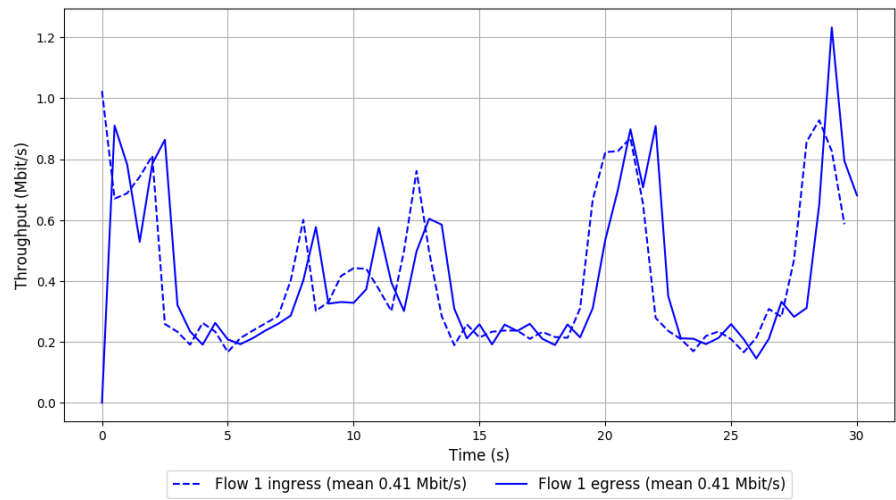
-- Flow 1:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 61.635 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-10 20:58:02

End at: 2018-07-10 20:58:32

Local clock offset: 0.033 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2018-07-11 01:08:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 66.850 ms

Loss rate: 0.00%

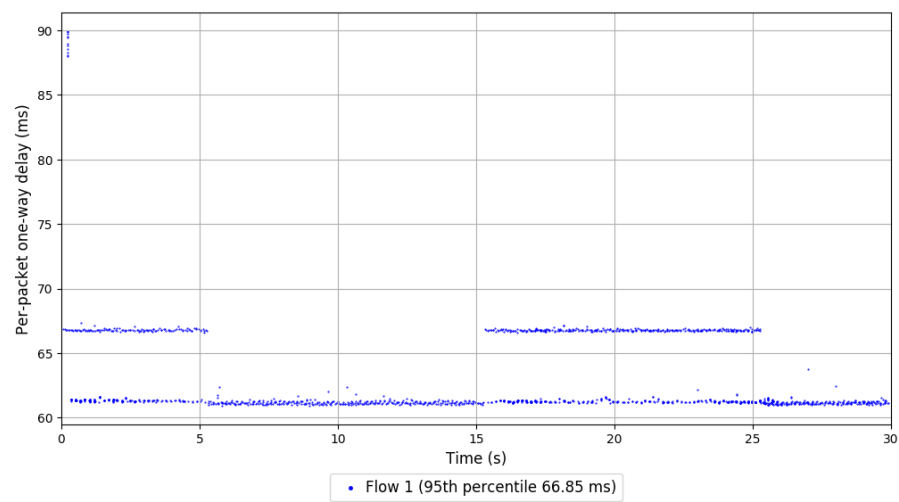
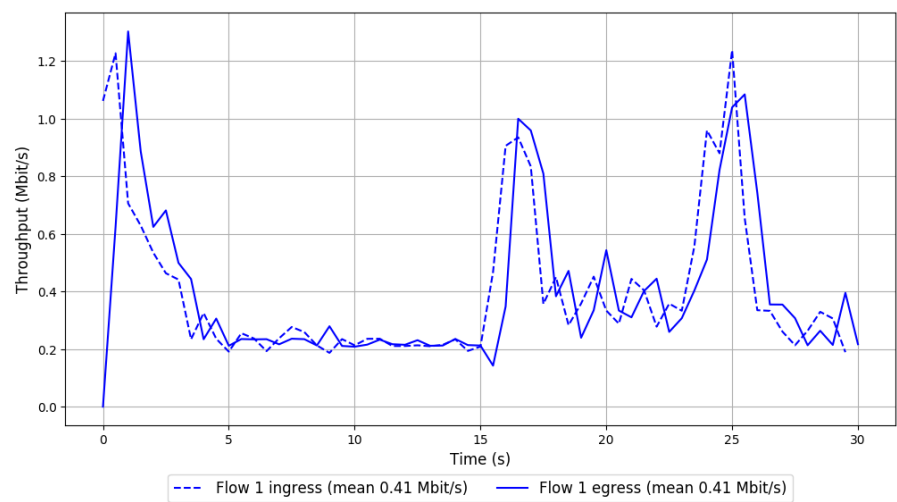
-- Flow 1:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 66.850 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-07-10 21:20:37

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

Local clock offset: 0.012 ms

Remote clock offset: 0.093 ms

Below is generated by plot.py at 2018-07-11 01:08:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.28 Mbit/s

95th percentile per-packet one-way delay: 68.106 ms

Loss rate: 0.00%

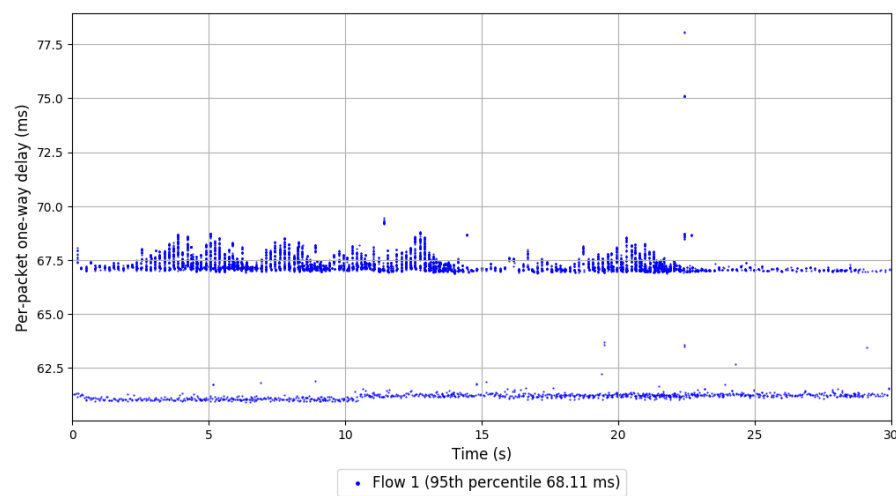
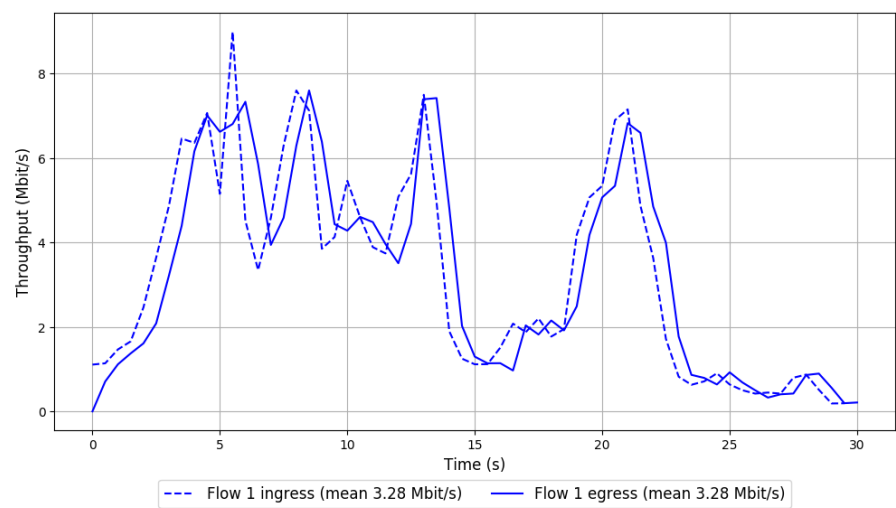
-- Flow 1:

Average throughput: 3.28 Mbit/s

95th percentile per-packet one-way delay: 68.106 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

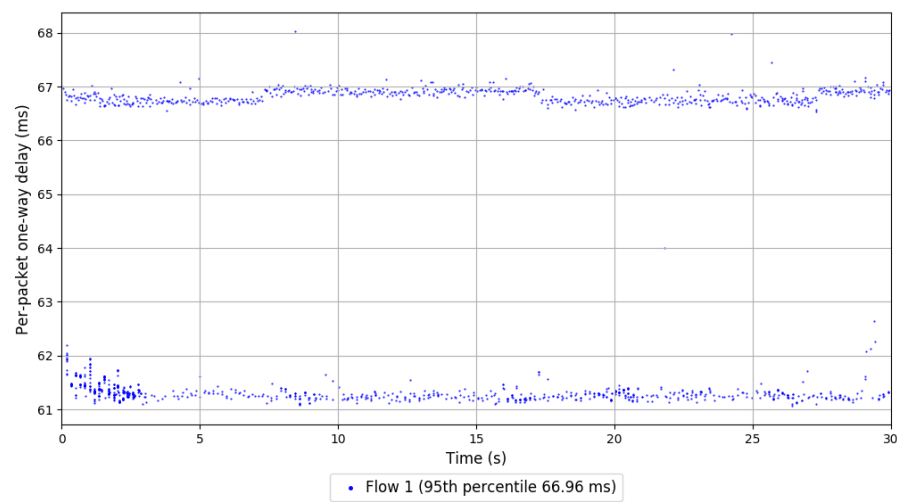
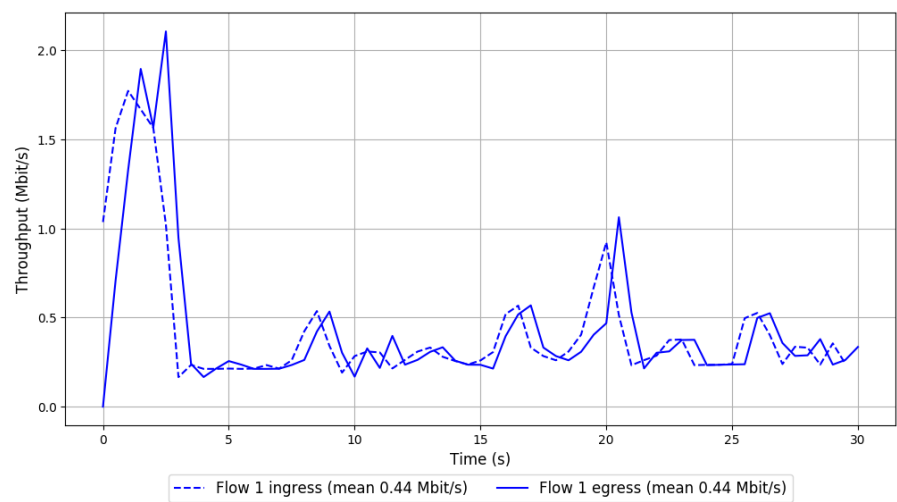


Run 4: Statistics of Sprout

Start at: 2018-07-10 21:42:00
End at: 2018-07-10 21:42:30
Local clock offset: -0.006 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-11 01:08:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 66.960 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 66.960 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-10 22:03:44

End at: 2018-07-10 22:04:14

Local clock offset: -0.067 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-07-11 01:08:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.61 Mbit/s

95th percentile per-packet one-way delay: 62.092 ms

Loss rate: 0.00%

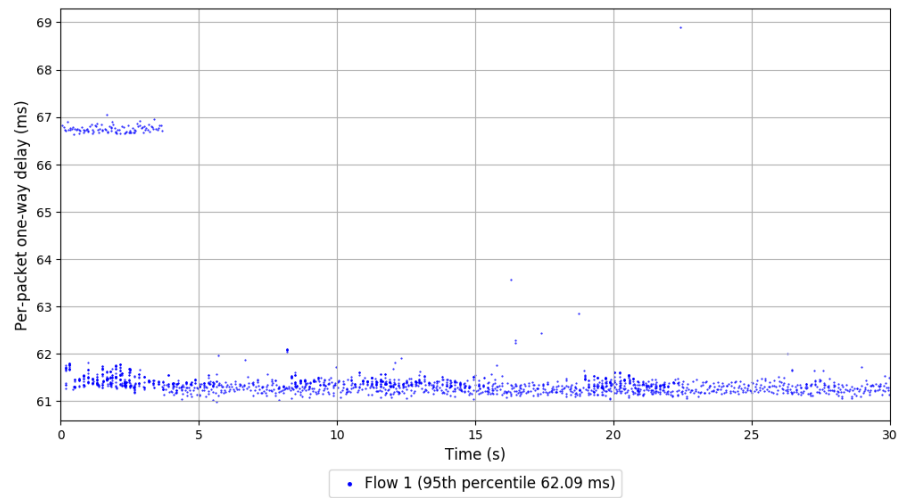
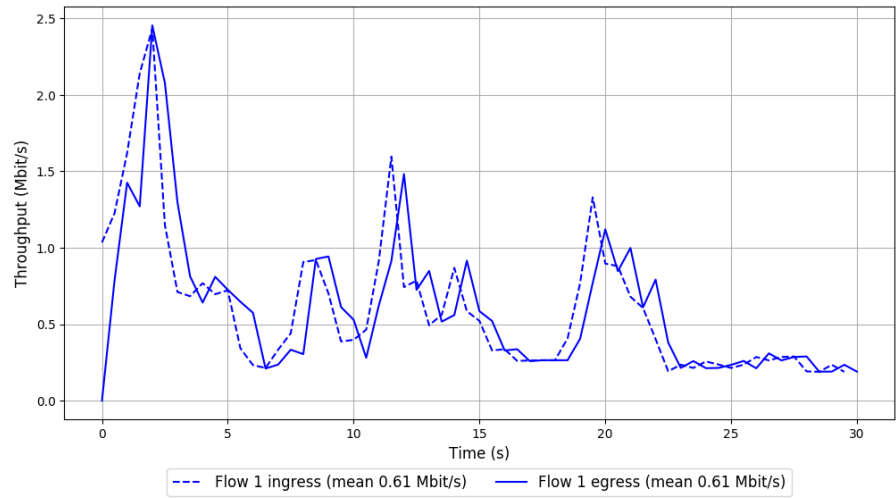
-- Flow 1:

Average throughput: 0.61 Mbit/s

95th percentile per-packet one-way delay: 62.092 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

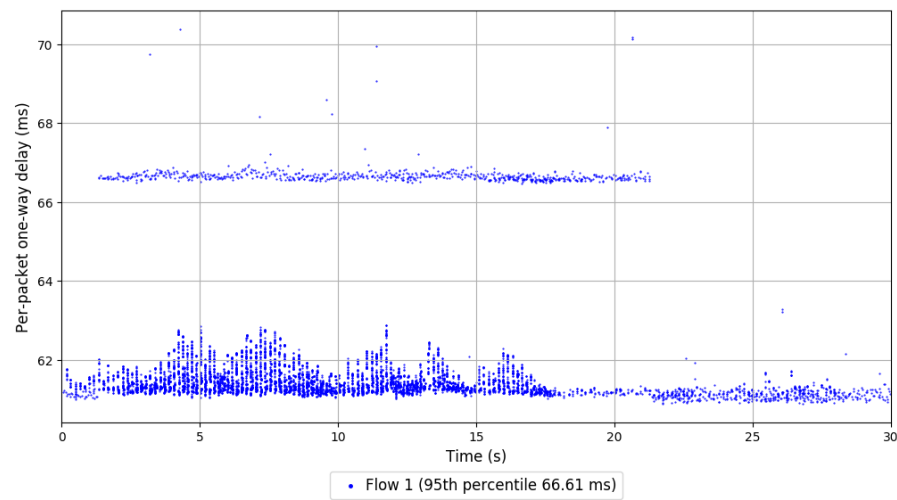
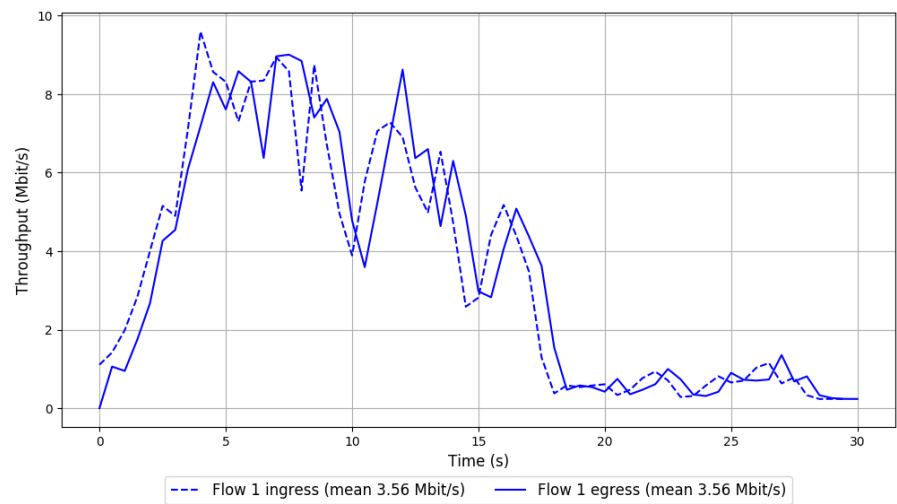


Run 6: Statistics of Sprout

Start at: 2018-07-10 22:25:26
End at: 2018-07-10 22:25:56
Local clock offset: -0.002 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-11 01:08:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.56 Mbit/s
95th percentile per-packet one-way delay: 66.605 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.56 Mbit/s
95th percentile per-packet one-way delay: 66.605 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

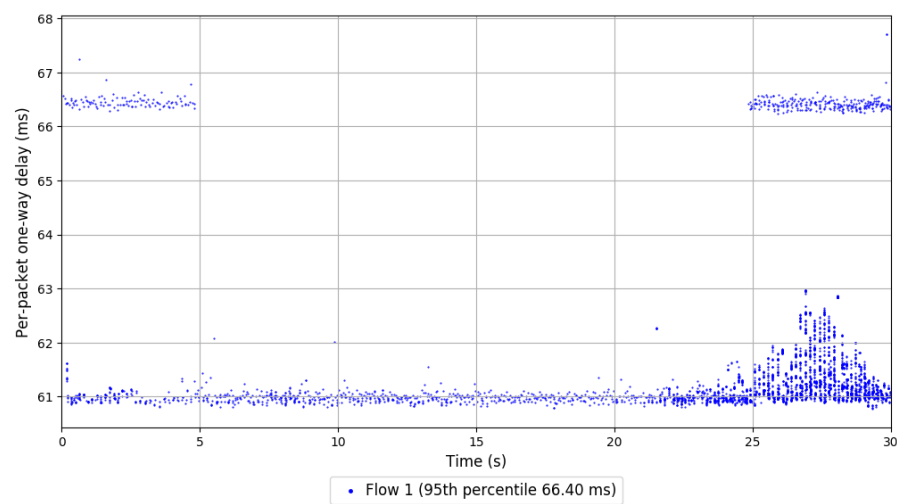
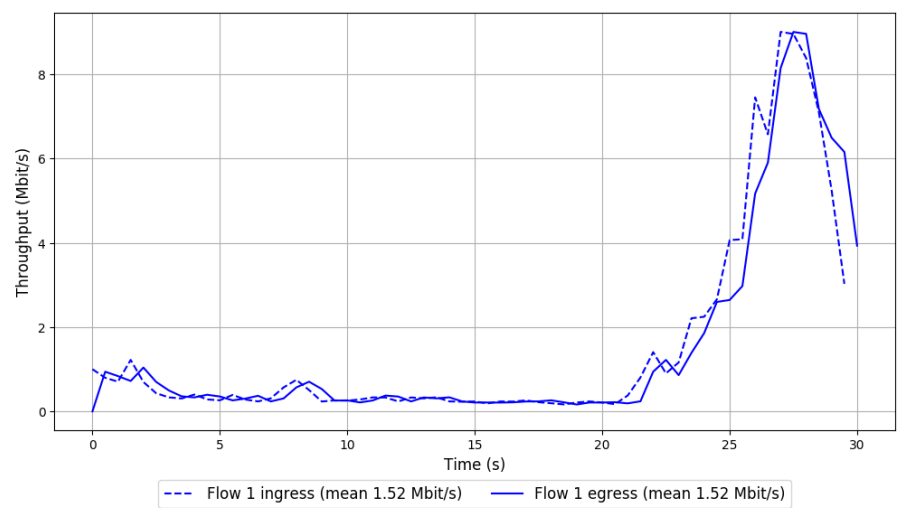


Run 7: Statistics of Sprout

Start at: 2018-07-10 22:47:13
End at: 2018-07-10 22:47:43
Local clock offset: -0.048 ms
Remote clock offset: -0.462 ms

Below is generated by plot.py at 2018-07-11 01:08:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 66.398 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 66.398 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

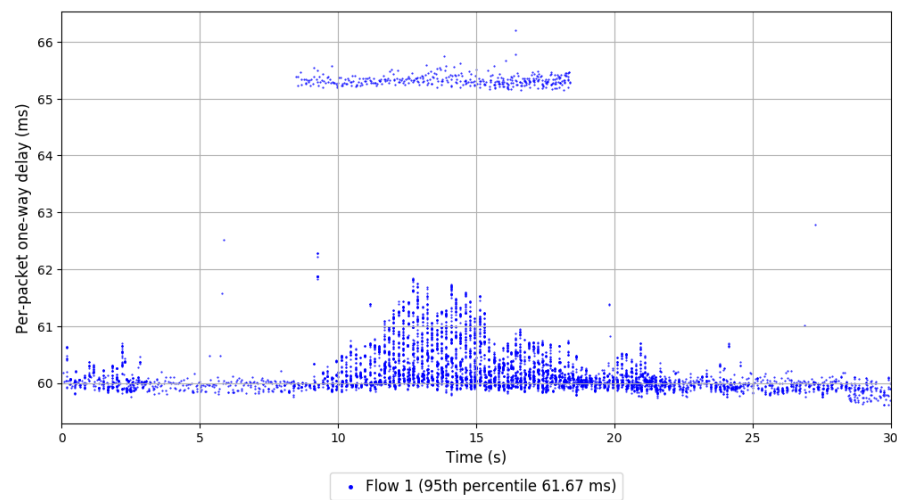
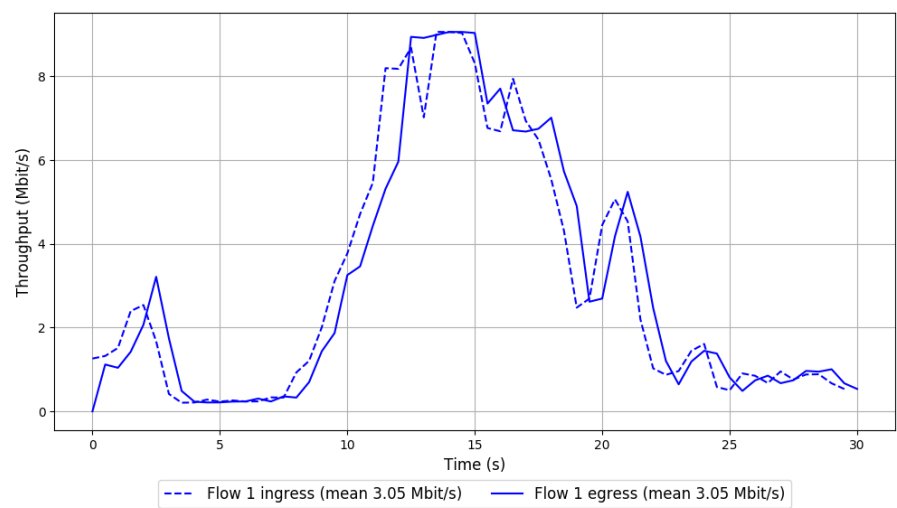


Run 8: Statistics of Sprout

Start at: 2018-07-10 23:09:09
End at: 2018-07-10 23:09:39
Local clock offset: -0.036 ms
Remote clock offset: -1.473 ms

Below is generated by plot.py at 2018-07-11 01:08:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 61.669 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 61.669 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

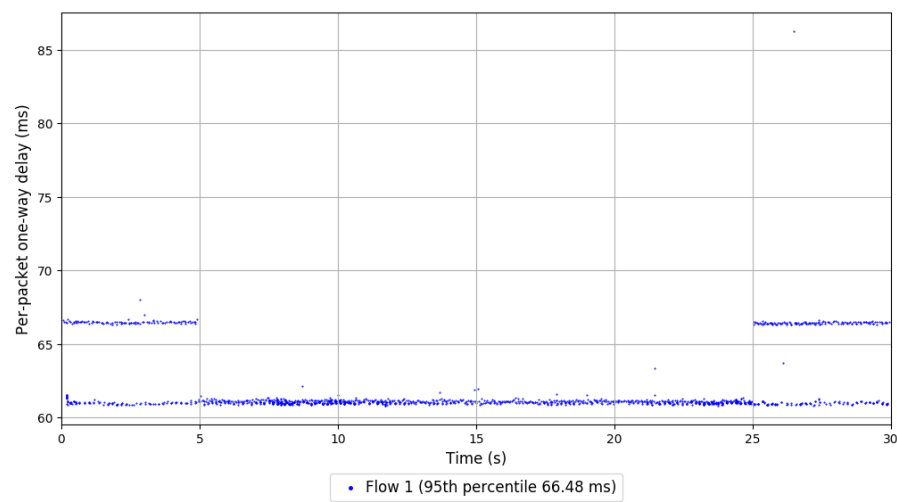
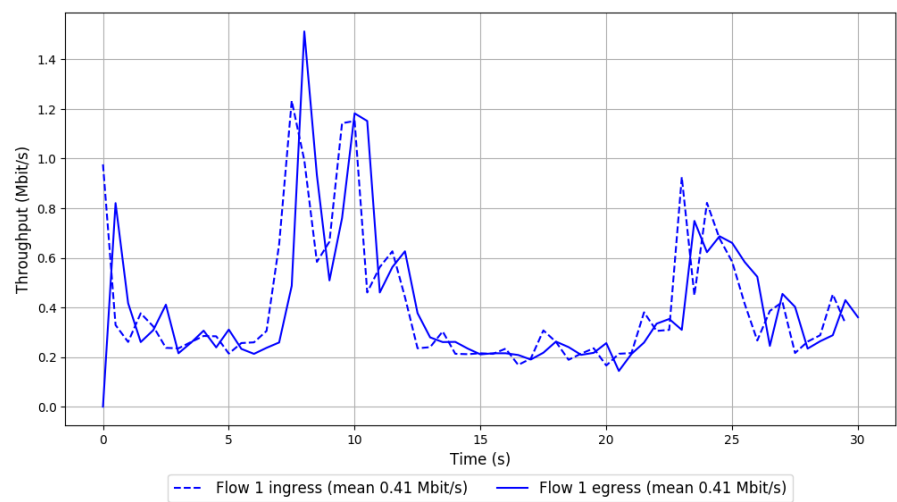


Run 9: Statistics of Sprout

Start at: 2018-07-10 23:30:33
End at: 2018-07-10 23:31:03
Local clock offset: -0.034 ms
Remote clock offset: -0.335 ms

Below is generated by plot.py at 2018-07-11 01:08:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 66.476 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 66.476 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

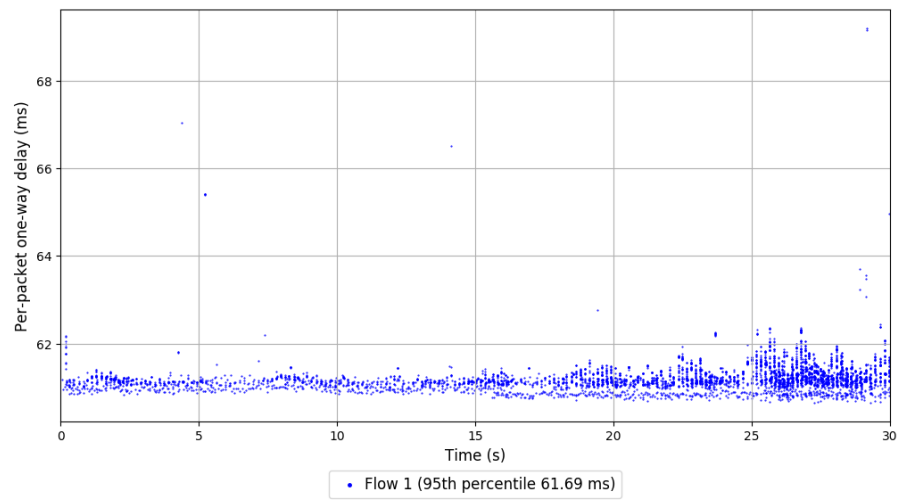
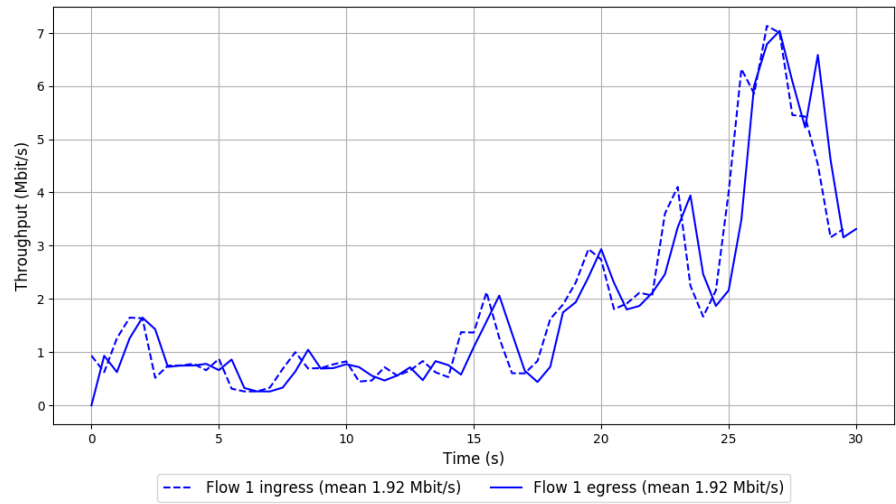


Run 10: Statistics of Sprout

Start at: 2018-07-10 23:51:54
End at: 2018-07-10 23:52:24
Local clock offset: -0.016 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-07-11 01:08:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 61.689 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 61.689 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-07-10 20:35:49

End at: 2018-07-10 20:36:19

Local clock offset: 0.023 ms

Remote clock offset: 1.332 ms

Below is generated by plot.py at 2018-07-11 01:08:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.11 Mbit/s

95th percentile per-packet one-way delay: 67.947 ms

Loss rate: 0.00%

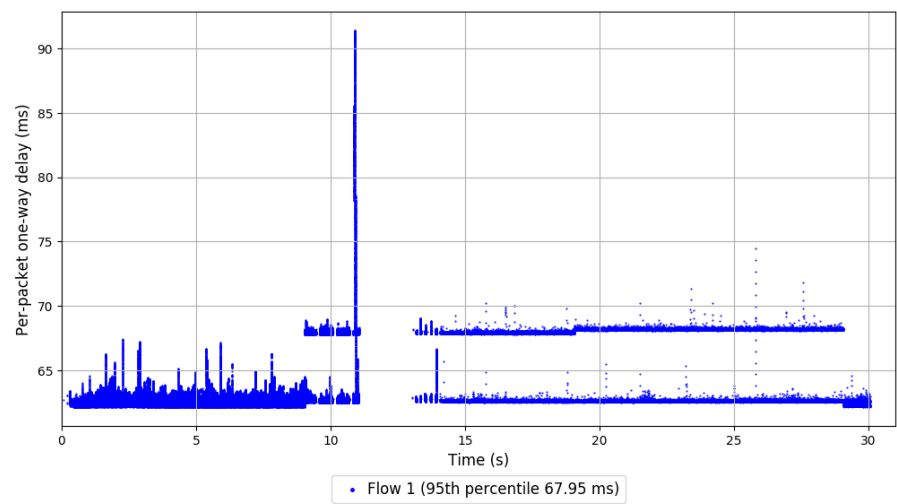
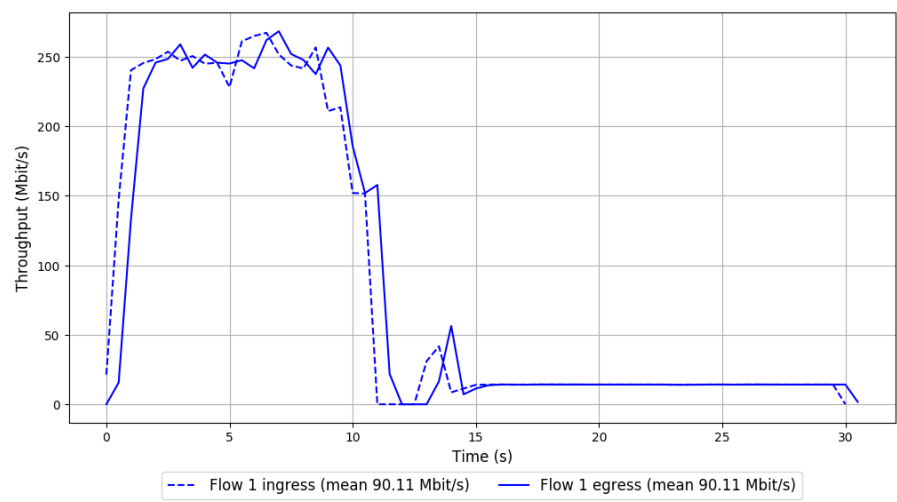
-- Flow 1:

Average throughput: 90.11 Mbit/s

95th percentile per-packet one-way delay: 67.947 ms

Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-10 20:56:54

End at: 2018-07-10 20:57:24

Local clock offset: 0.057 ms

Remote clock offset: -0.306 ms

Below is generated by plot.py at 2018-07-11 01:08:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.21 Mbit/s

95th percentile per-packet one-way delay: 66.621 ms

Loss rate: 0.00%

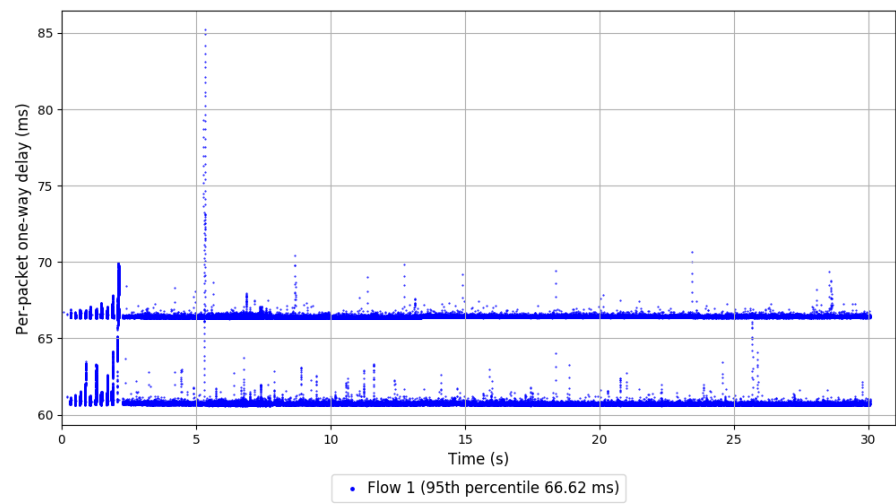
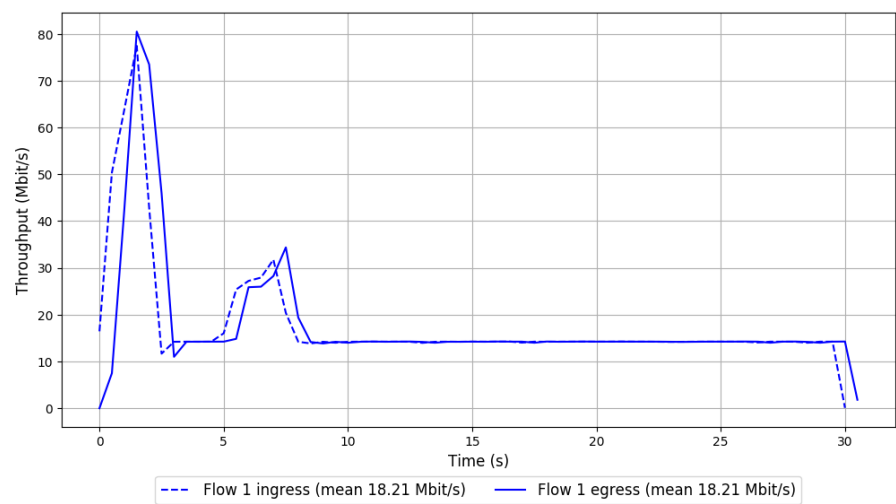
-- Flow 1:

Average throughput: 18.21 Mbit/s

95th percentile per-packet one-way delay: 66.621 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-10 21:19:27

End at: 2018-07-10 21:19:57

Local clock offset: 0.046 ms

Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-07-11 01:08:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.70 Mbit/s

95th percentile per-packet one-way delay: 67.487 ms

Loss rate: 0.00%

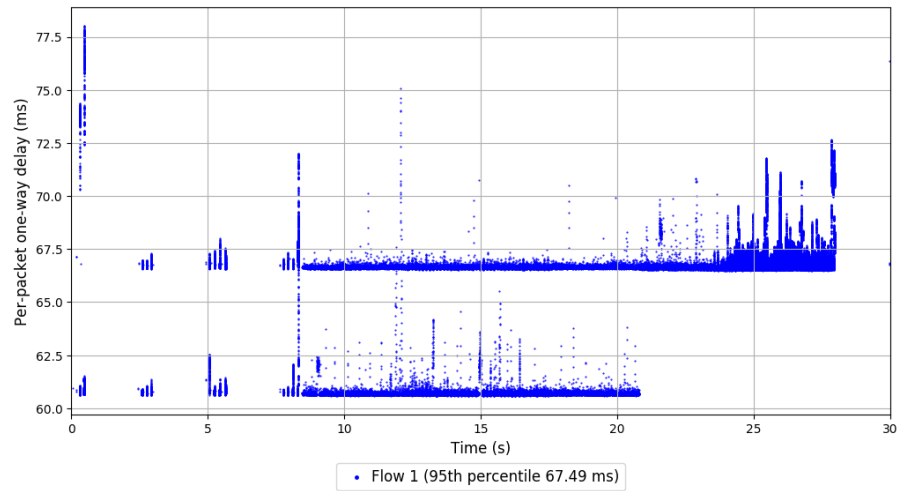
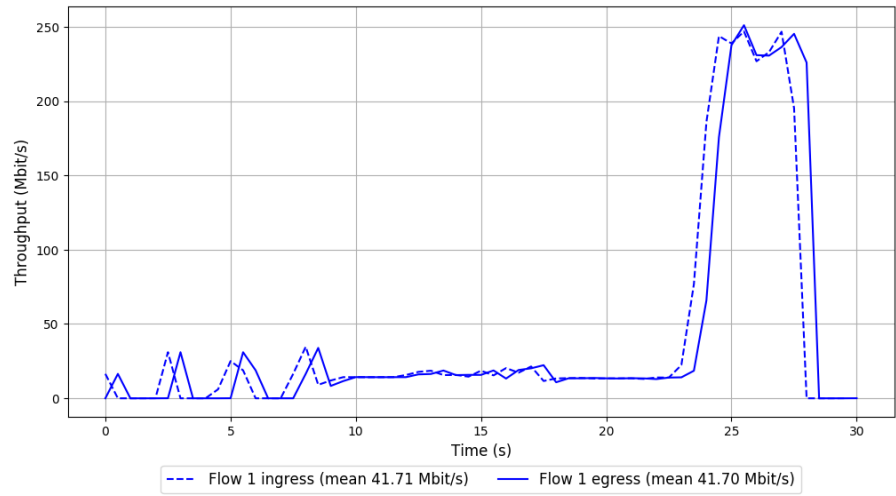
-- Flow 1:

Average throughput: 41.70 Mbit/s

95th percentile per-packet one-way delay: 67.487 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-10 21:40:49

End at: 2018-07-10 21:41:19

Local clock offset: 0.005 ms

Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-11 01:08:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.08 Mbit/s

95th percentile per-packet one-way delay: 66.938 ms

Loss rate: 0.00%

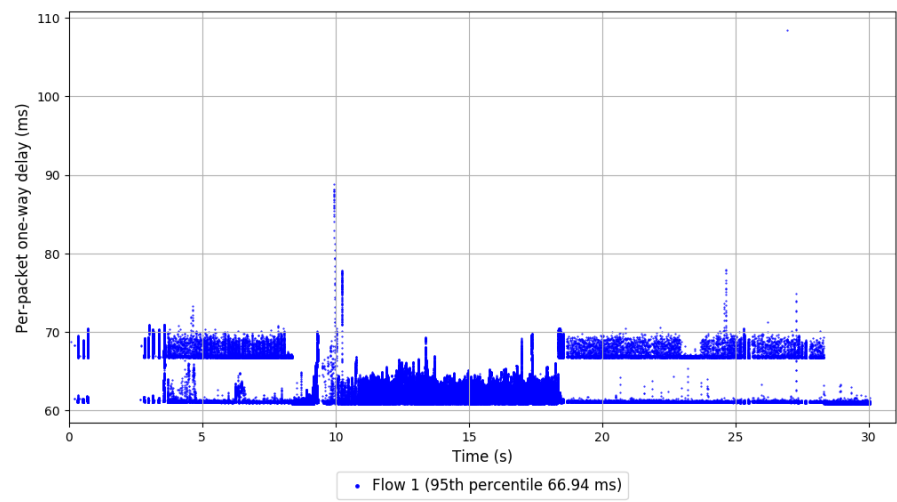
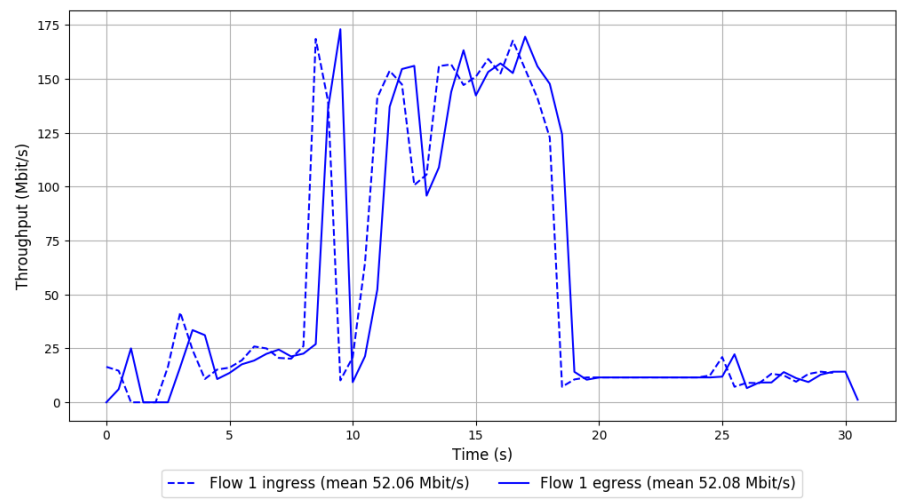
-- Flow 1:

Average throughput: 52.08 Mbit/s

95th percentile per-packet one-way delay: 66.938 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-10 22:02:17

End at: 2018-07-10 22:02:47

Local clock offset: -0.013 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-07-11 01:13:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 233.09 Mbit/s

95th percentile per-packet one-way delay: 61.996 ms

Loss rate: 0.00%

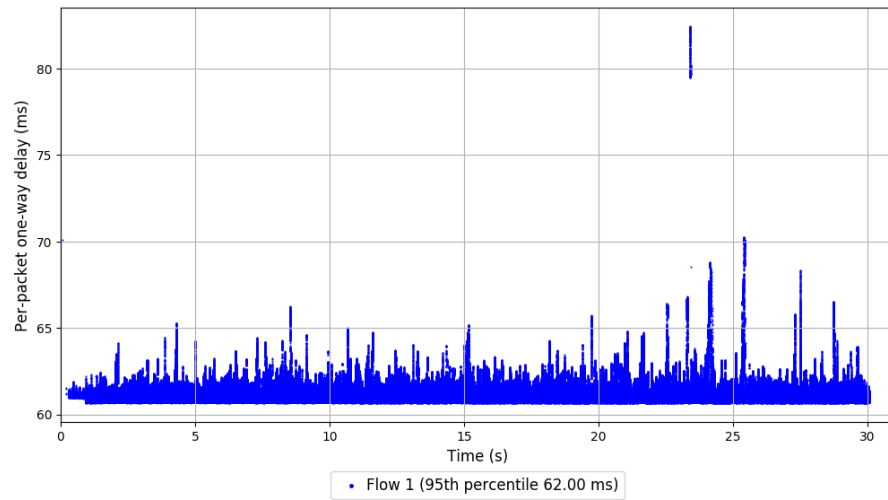
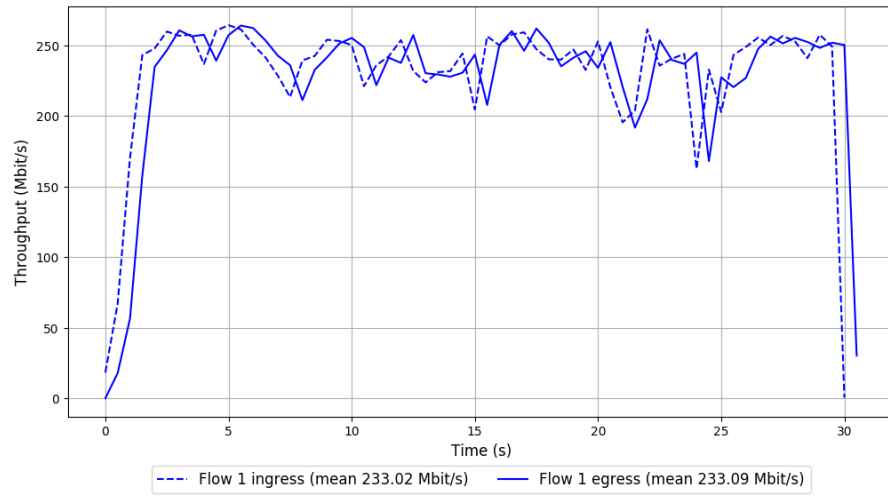
-- Flow 1:

Average throughput: 233.09 Mbit/s

95th percentile per-packet one-way delay: 61.996 ms

Loss rate: 0.00%

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

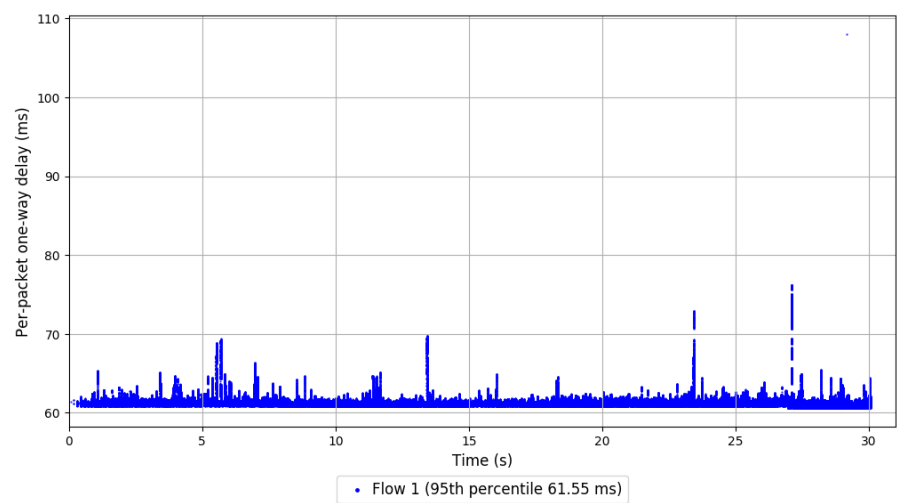
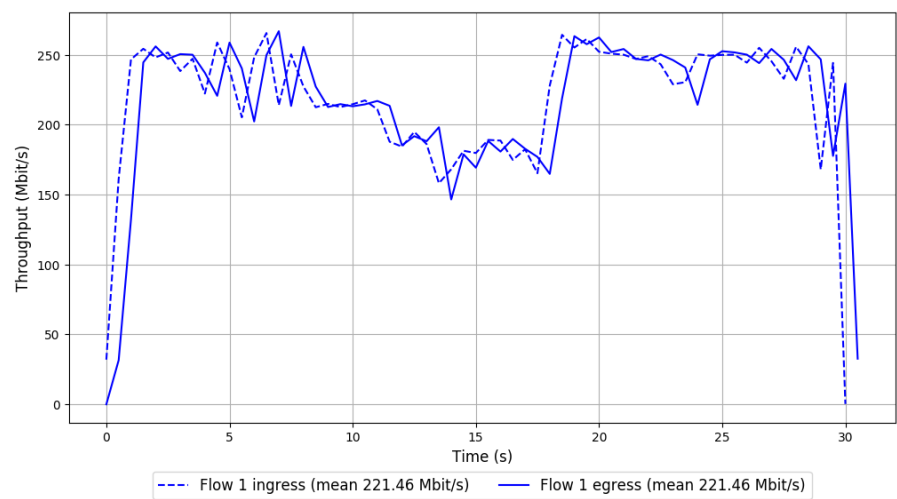


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-10 22:24:01
End at: 2018-07-10 22:24:31
Local clock offset: -0.017 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-07-11 01:13:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.46 Mbit/s
95th percentile per-packet one-way delay: 61.552 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 221.46 Mbit/s
95th percentile per-packet one-way delay: 61.552 ms
Loss rate: 0.00%

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

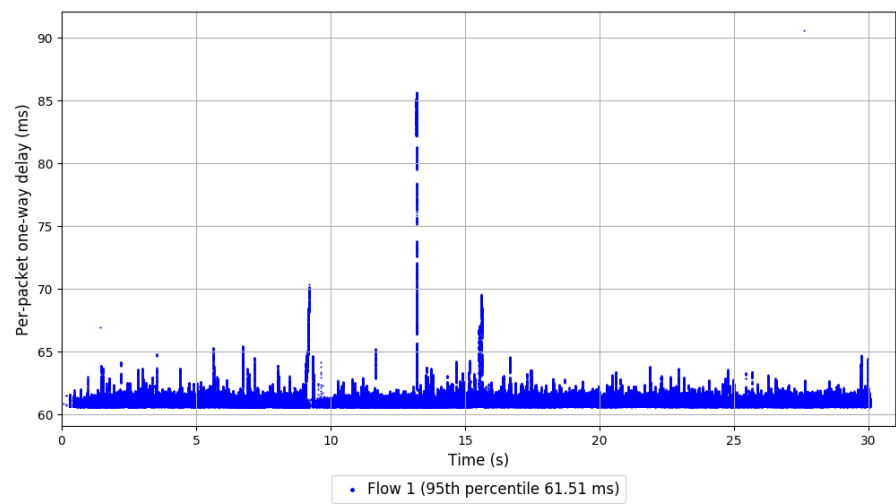
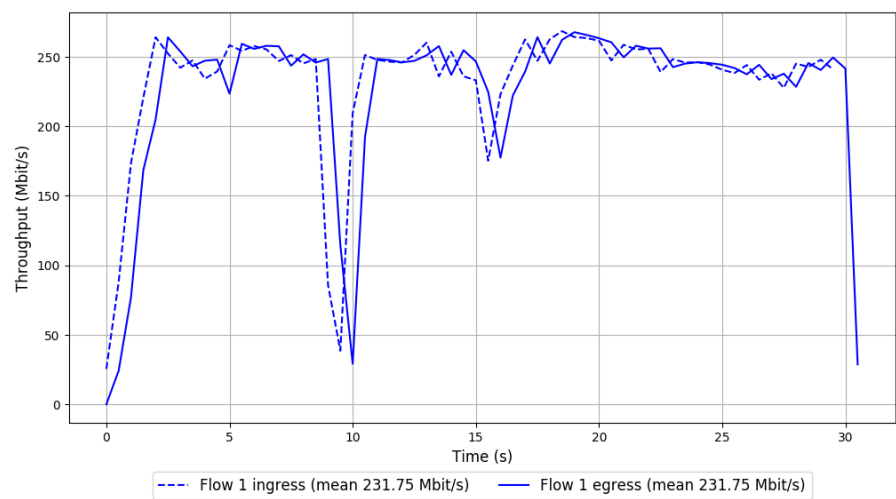


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-10 22:45:46
End at: 2018-07-10 22:46:16
Local clock offset: -0.049 ms
Remote clock offset: -0.192 ms

Below is generated by plot.py at 2018-07-11 01:14:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 231.75 Mbit/s
95th percentile per-packet one-way delay: 61.512 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 231.75 Mbit/s
95th percentile per-packet one-way delay: 61.512 ms
Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-10 23:07:42

End at: 2018-07-10 23:08:12

Local clock offset: -0.011 ms

Remote clock offset: -0.276 ms

Below is generated by plot.py at 2018-07-11 01:14:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 237.17 Mbit/s

95th percentile per-packet one-way delay: 61.522 ms

Loss rate: 0.00%

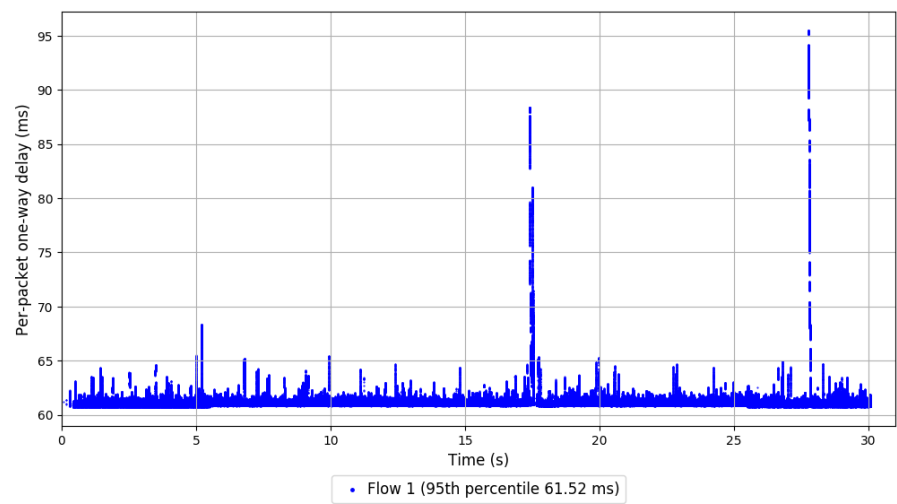
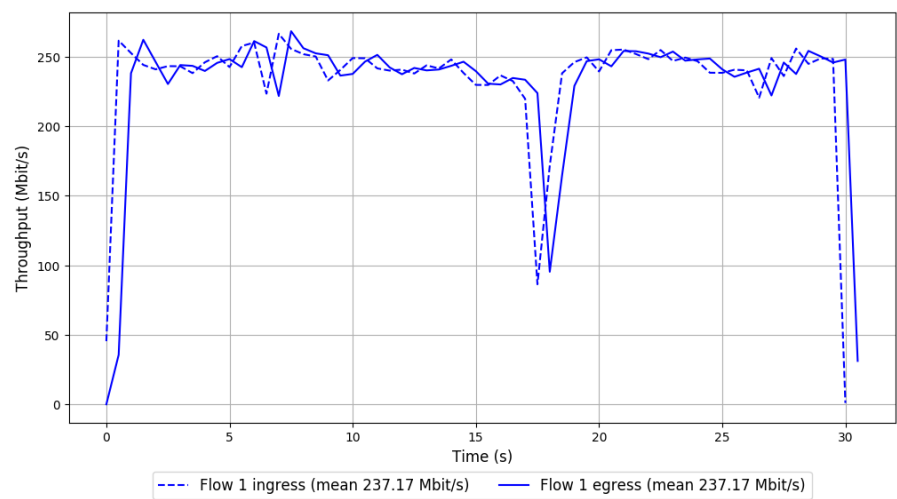
-- Flow 1:

Average throughput: 237.17 Mbit/s

95th percentile per-packet one-way delay: 61.522 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-10 23:29:05

End at: 2018-07-10 23:29:35

Local clock offset: -0.01 ms

Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-07-11 01:14:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 240.38 Mbit/s

95th percentile per-packet one-way delay: 61.554 ms

Loss rate: 0.00%

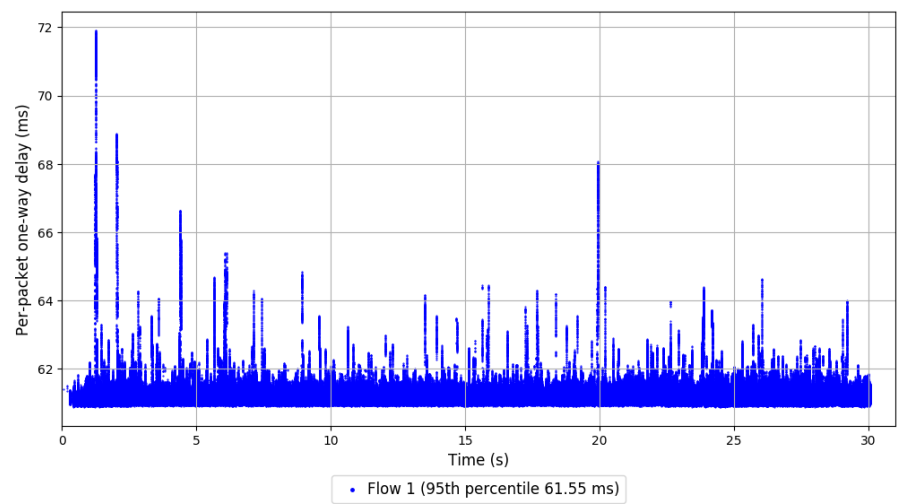
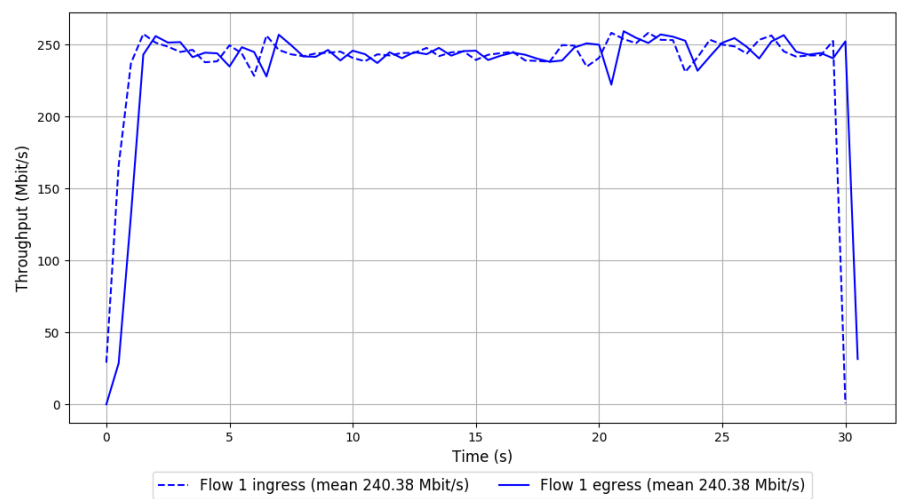
-- Flow 1:

Average throughput: 240.38 Mbit/s

95th percentile per-packet one-way delay: 61.554 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-10 23:50:46

End at: 2018-07-10 23:51:16

Local clock offset: -0.038 ms

Remote clock offset: 0.177 ms

Below is generated by plot.py at 2018-07-11 01:14:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.75 Mbit/s

95th percentile per-packet one-way delay: 66.995 ms

Loss rate: 0.00%

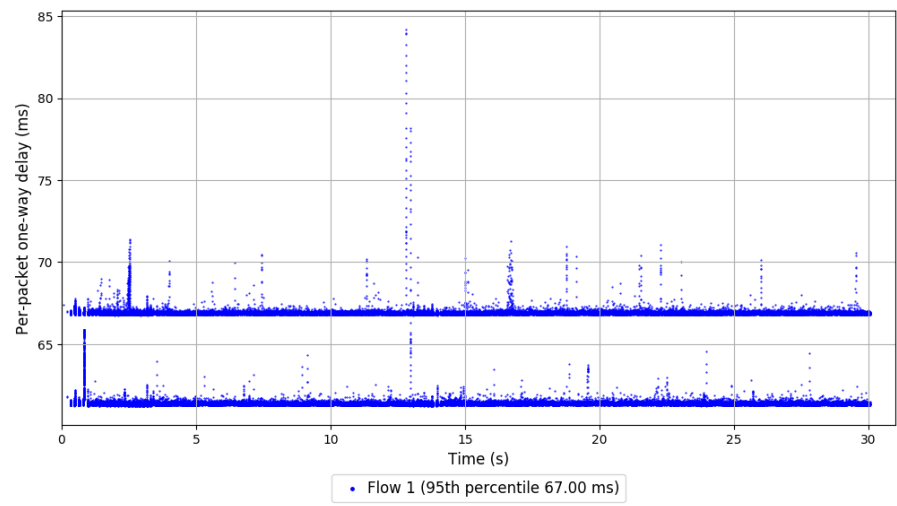
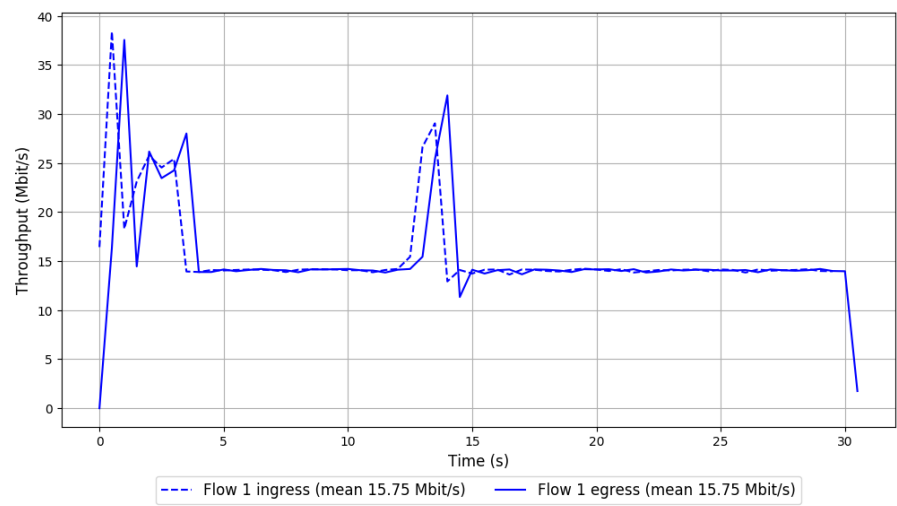
-- Flow 1:

Average throughput: 15.75 Mbit/s

95th percentile per-packet one-way delay: 66.995 ms

Loss rate: 0.00%

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

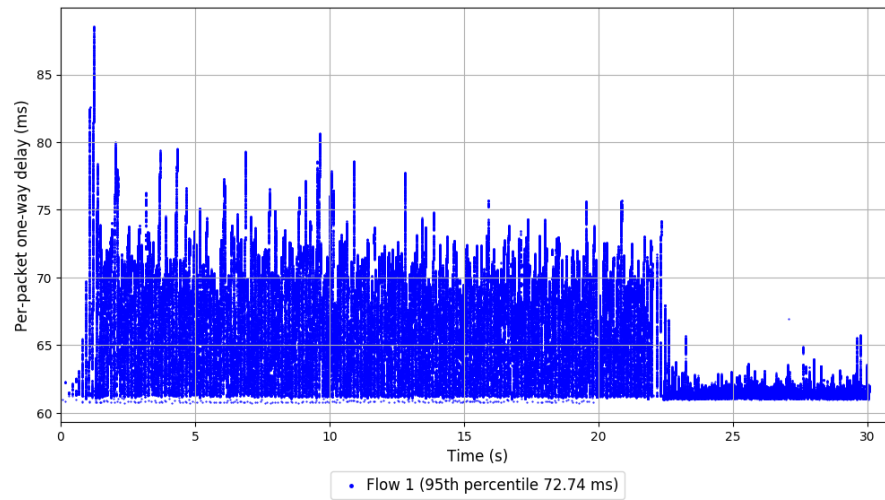
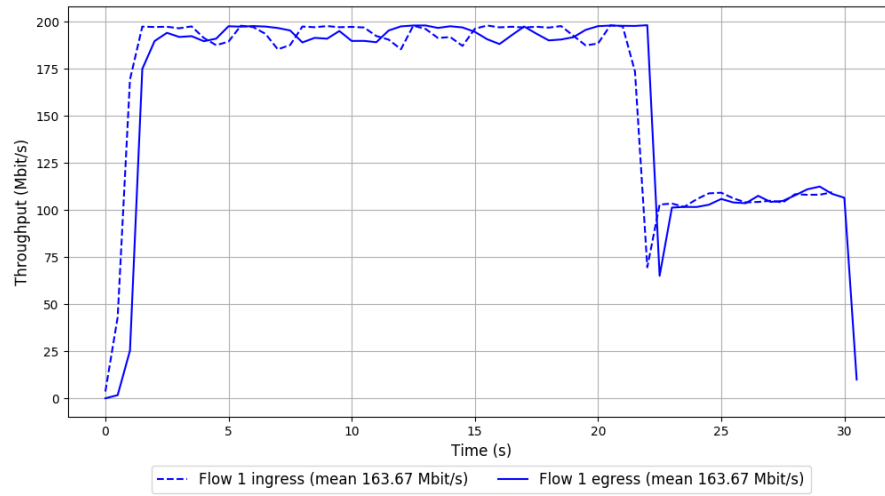


Run 1: Statistics of TCP Vegas

Start at: 2018-07-10 20:25:58
End at: 2018-07-10 20:26:28
Local clock offset: 0.048 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2018-07-11 01:14:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 163.67 Mbit/s
95th percentile per-packet one-way delay: 72.737 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 163.67 Mbit/s
95th percentile per-packet one-way delay: 72.737 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-10 20:47:12

End at: 2018-07-10 20:47:42

Local clock offset: 0.042 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-11 01:14:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.55 Mbit/s

95th percentile per-packet one-way delay: 63.478 ms

Loss rate: 0.00%

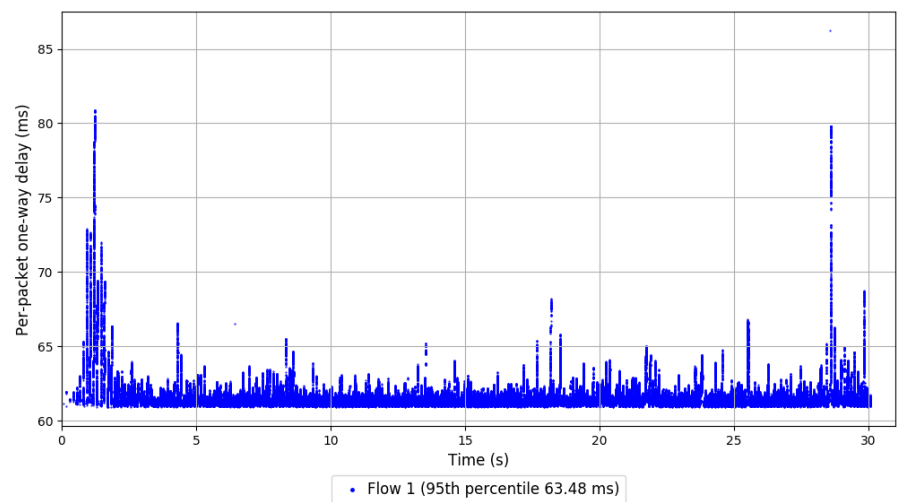
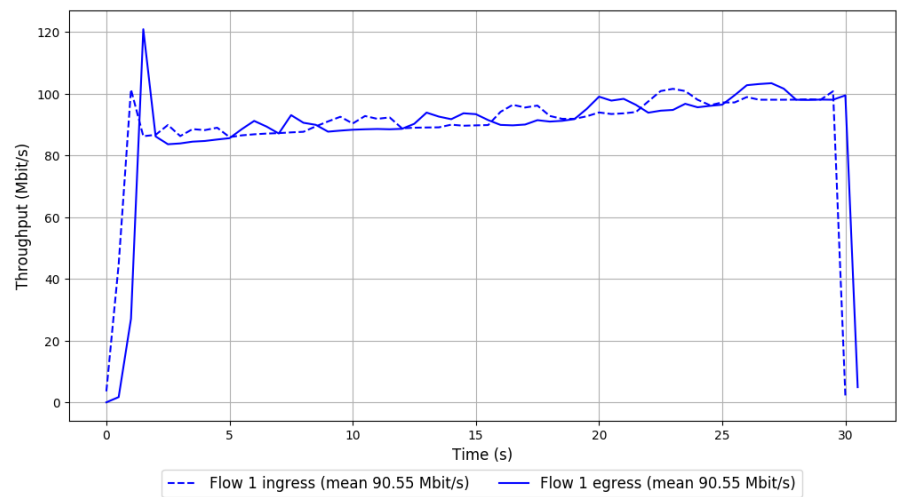
-- Flow 1:

Average throughput: 90.55 Mbit/s

95th percentile per-packet one-way delay: 63.478 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-10 21:09:25

End at: 2018-07-10 21:09:55

Local clock offset: 0.022 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-07-11 01:14:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 186.04 Mbit/s

95th percentile per-packet one-way delay: 73.808 ms

Loss rate: 0.00%

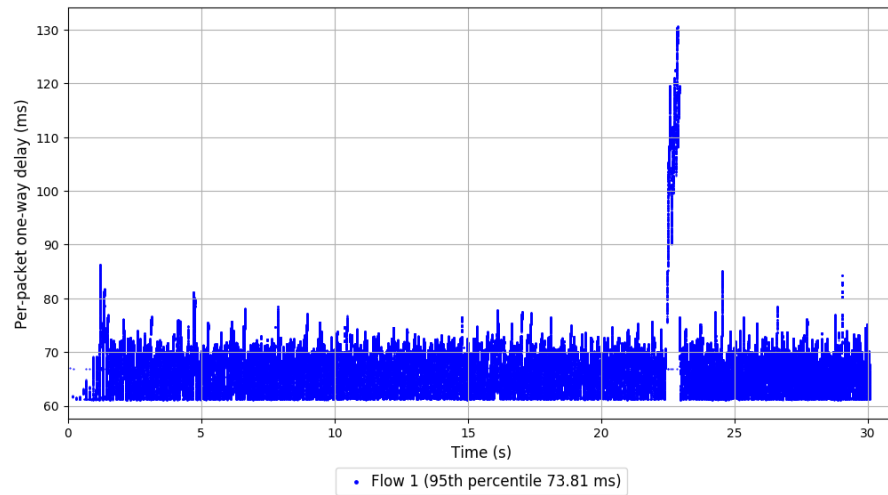
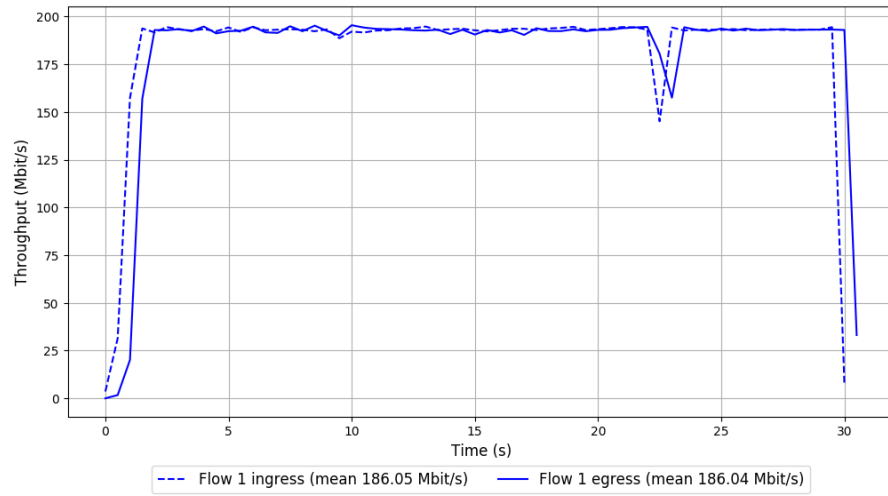
-- Flow 1:

Average throughput: 186.04 Mbit/s

95th percentile per-packet one-way delay: 73.808 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-10 21:31:11

End at: 2018-07-10 21:31:41

Local clock offset: -0.012 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-07-11 01:14:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.13 Mbit/s

95th percentile per-packet one-way delay: 68.740 ms

Loss rate: 0.00%

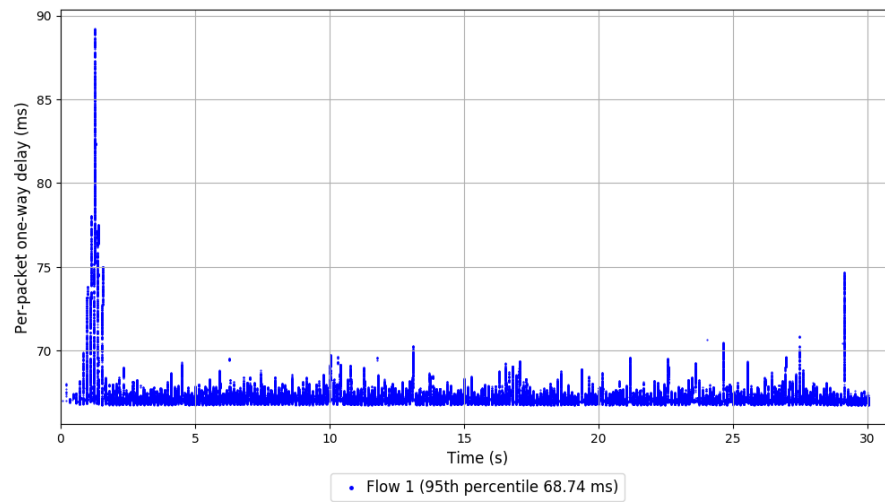
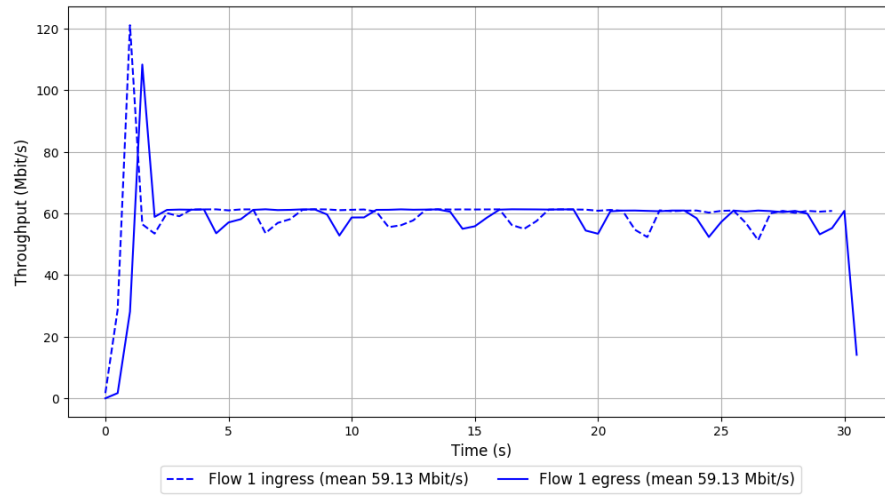
-- Flow 1:

Average throughput: 59.13 Mbit/s

95th percentile per-packet one-way delay: 68.740 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-10 21:52:38

End at: 2018-07-10 21:53:08

Local clock offset: 0.018 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2018-07-11 01:14:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.13 Mbit/s

95th percentile per-packet one-way delay: 62.575 ms

Loss rate: 0.00%

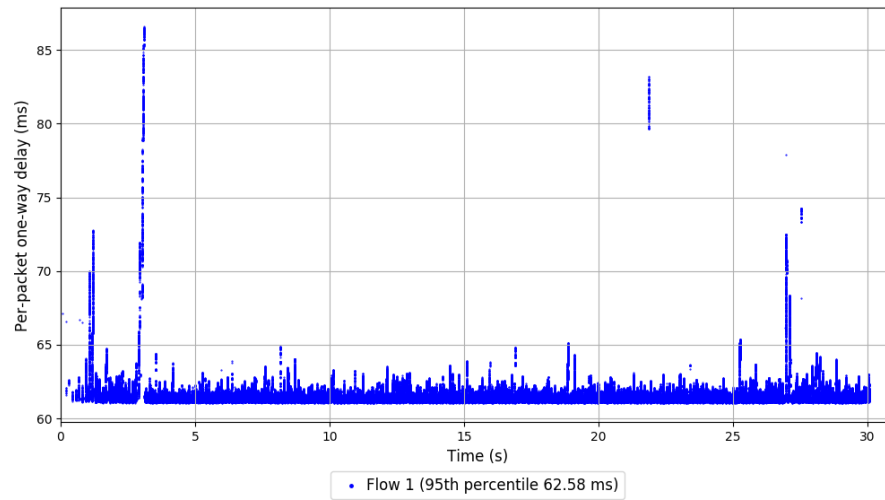
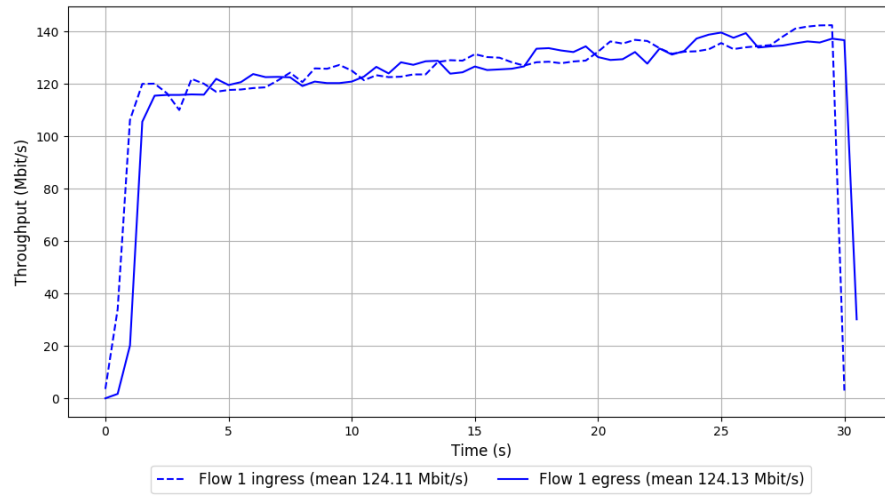
-- Flow 1:

Average throughput: 124.13 Mbit/s

95th percentile per-packet one-way delay: 62.575 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

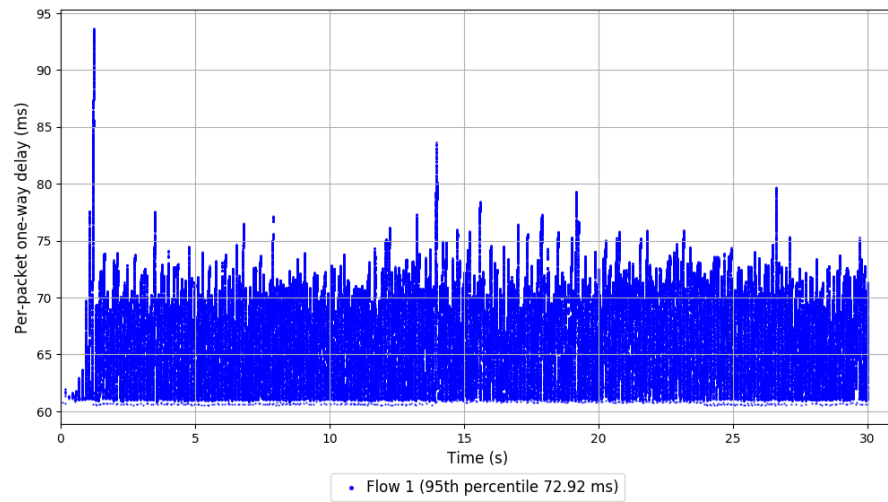
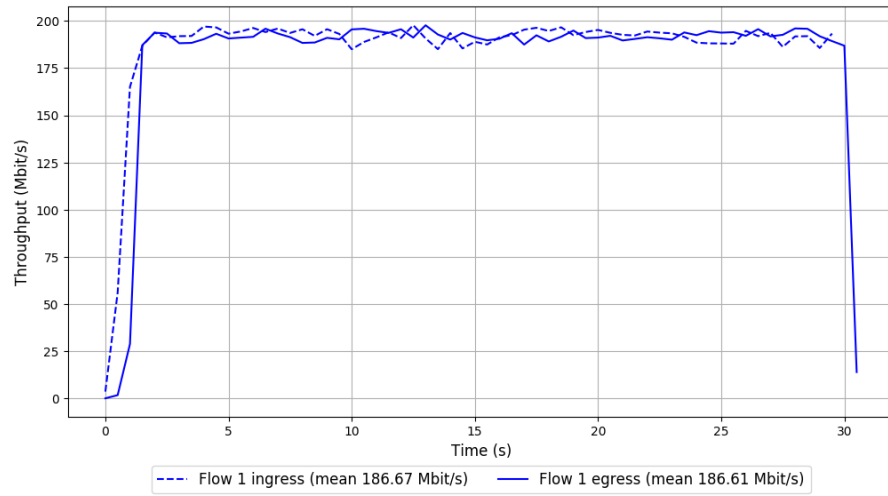


Run 6: Statistics of TCP Vegas

Start at: 2018-07-10 22:14:14
End at: 2018-07-10 22:14:44
Local clock offset: -0.041 ms
Remote clock offset: -0.179 ms

Below is generated by plot.py at 2018-07-11 01:14:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 186.61 Mbit/s
95th percentile per-packet one-way delay: 72.923 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 186.61 Mbit/s
95th percentile per-packet one-way delay: 72.923 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

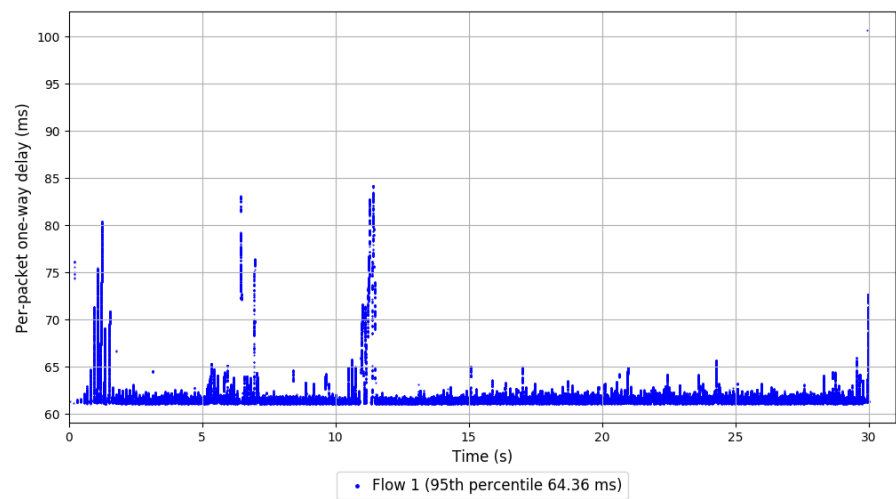
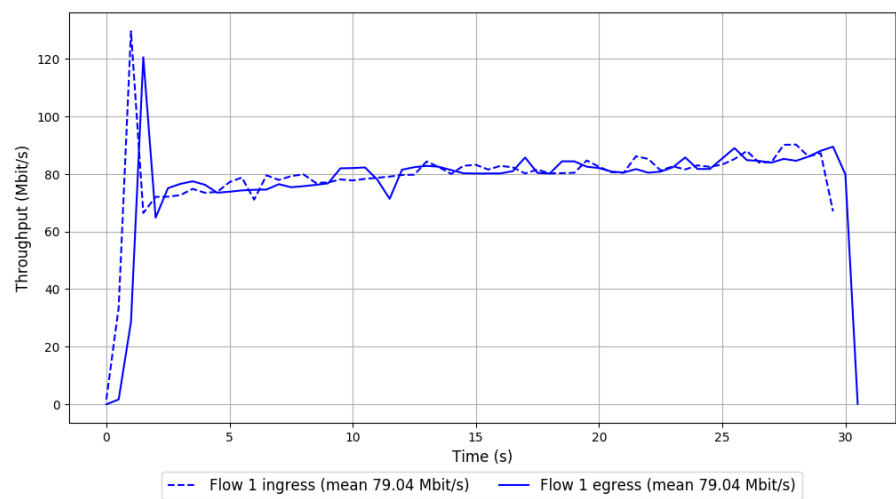


Run 7: Statistics of TCP Vegas

Start at: 2018-07-10 22:36:06
End at: 2018-07-10 22:36:36
Local clock offset: -0.068 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-07-11 01:14:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.04 Mbit/s
95th percentile per-packet one-way delay: 64.361 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 79.04 Mbit/s
95th percentile per-packet one-way delay: 64.361 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

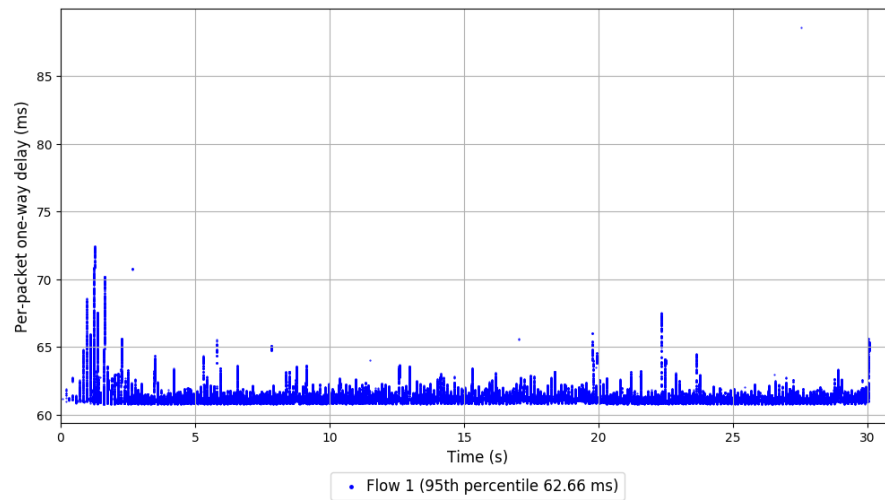
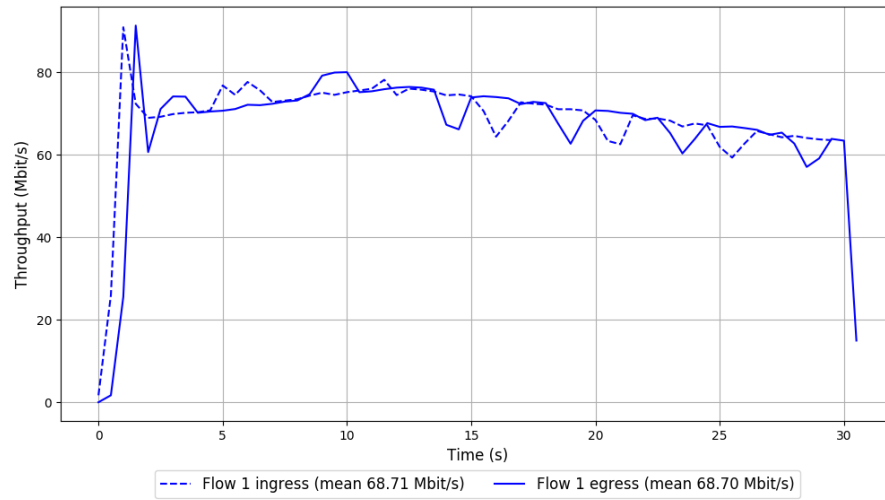


Run 8: Statistics of TCP Vegas

Start at: 2018-07-10 22:57:57
End at: 2018-07-10 22:58:27
Local clock offset: -0.038 ms
Remote clock offset: -0.326 ms

Below is generated by plot.py at 2018-07-11 01:14:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.70 Mbit/s
95th percentile per-packet one-way delay: 62.662 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.70 Mbit/s
95th percentile per-packet one-way delay: 62.662 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-10 23:19:20

End at: 2018-07-10 23:19:50

Local clock offset: -0.016 ms

Remote clock offset: 0.127 ms

Below is generated by plot.py at 2018-07-11 01:14:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.62 Mbit/s

95th percentile per-packet one-way delay: 62.571 ms

Loss rate: 0.00%

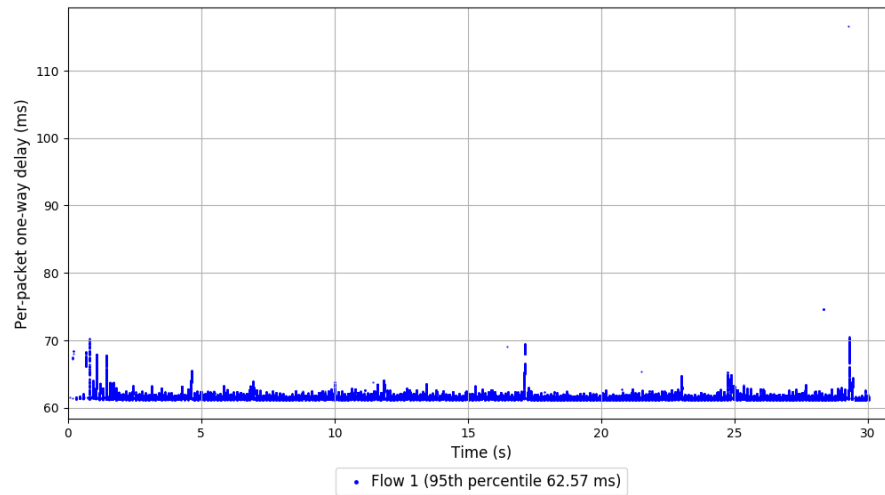
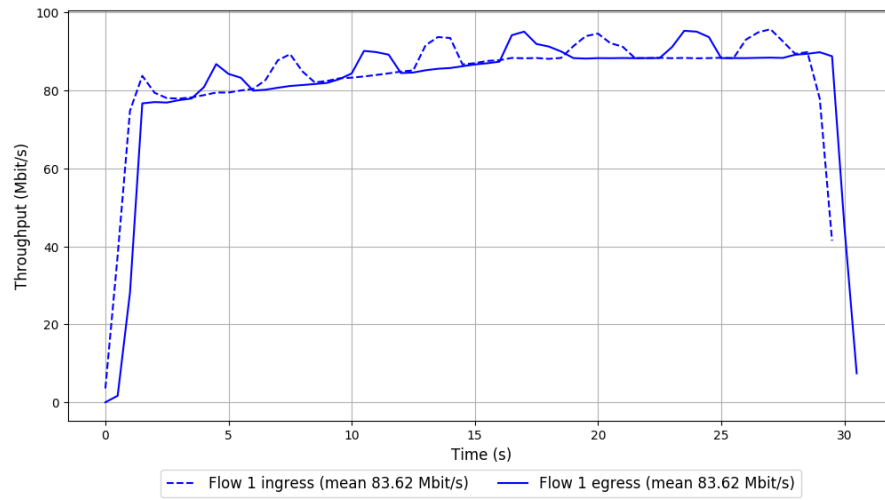
-- Flow 1:

Average throughput: 83.62 Mbit/s

95th percentile per-packet one-way delay: 62.571 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-10 23:40:59

End at: 2018-07-10 23:41:29

Local clock offset: -0.03 ms

Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-07-11 01:16:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.33 Mbit/s

95th percentile per-packet one-way delay: 71.826 ms

Loss rate: 0.00%

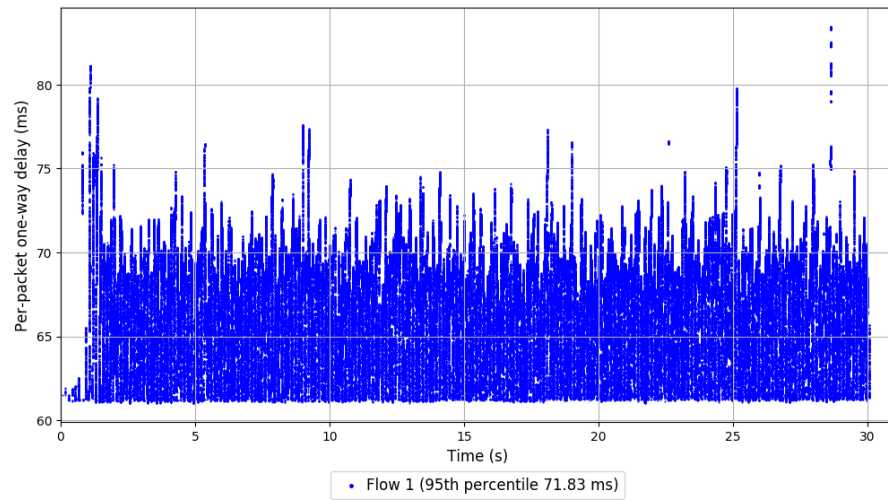
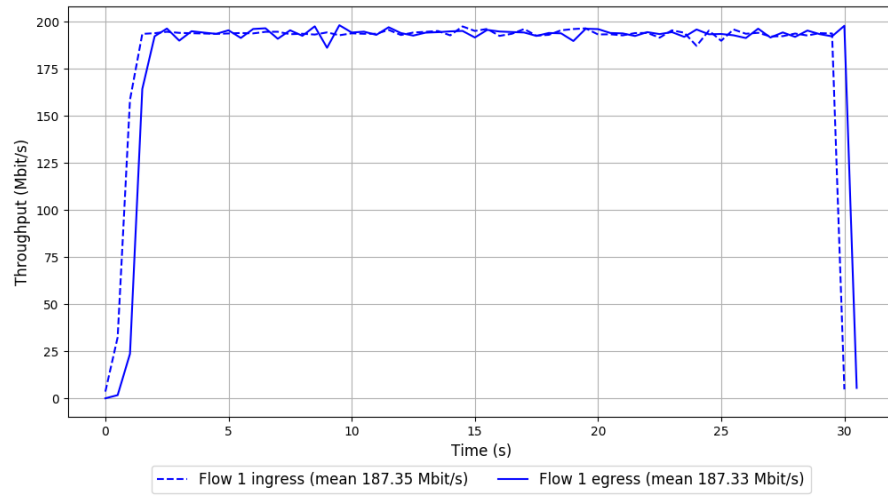
-- Flow 1:

Average throughput: 187.33 Mbit/s

95th percentile per-packet one-way delay: 71.826 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

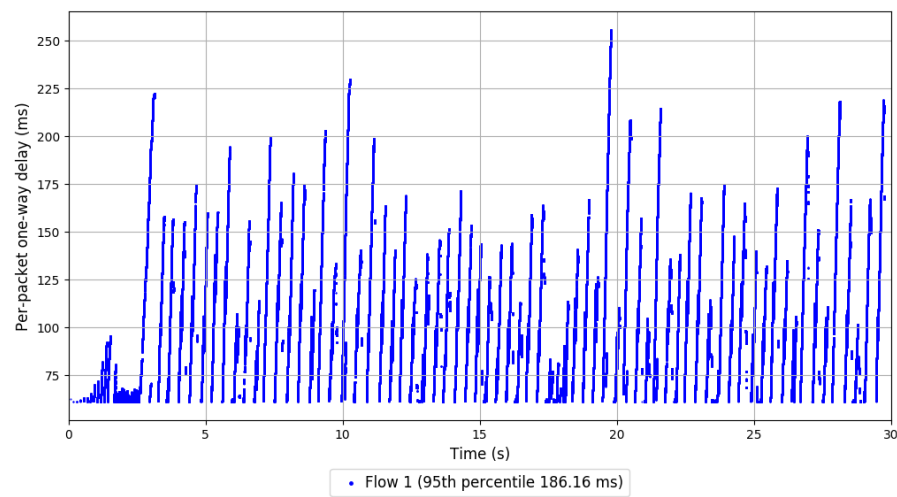
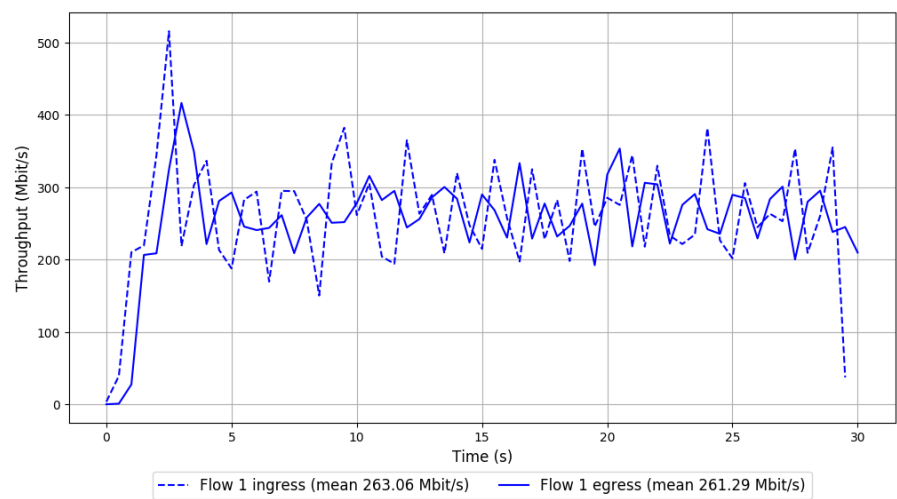


Run 1: Statistics of Verus

Start at: 2018-07-10 20:27:12
End at: 2018-07-10 20:27:42
Local clock offset: 0.045 ms
Remote clock offset: -0.247 ms

Below is generated by plot.py at 2018-07-11 01:18:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 261.29 Mbit/s
95th percentile per-packet one-way delay: 186.160 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 261.29 Mbit/s
95th percentile per-packet one-way delay: 186.160 ms
Loss rate: 0.32%

Run 1: Report of Verus — Data Link

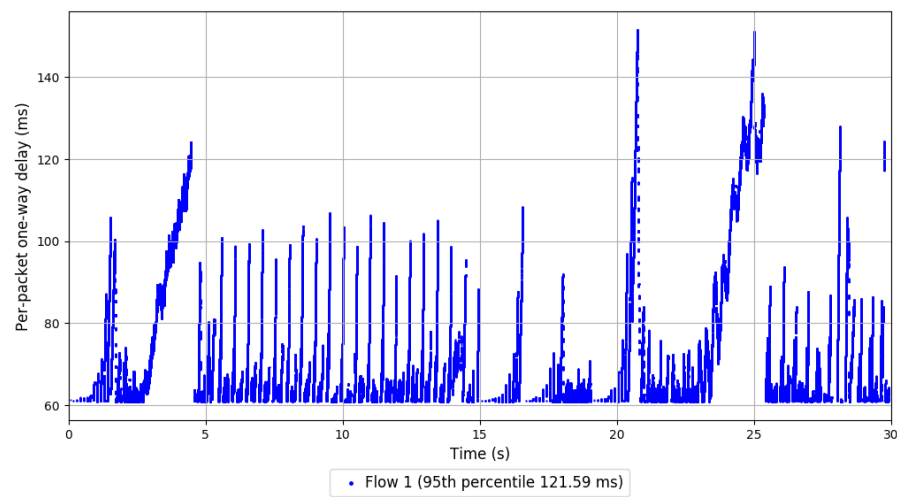
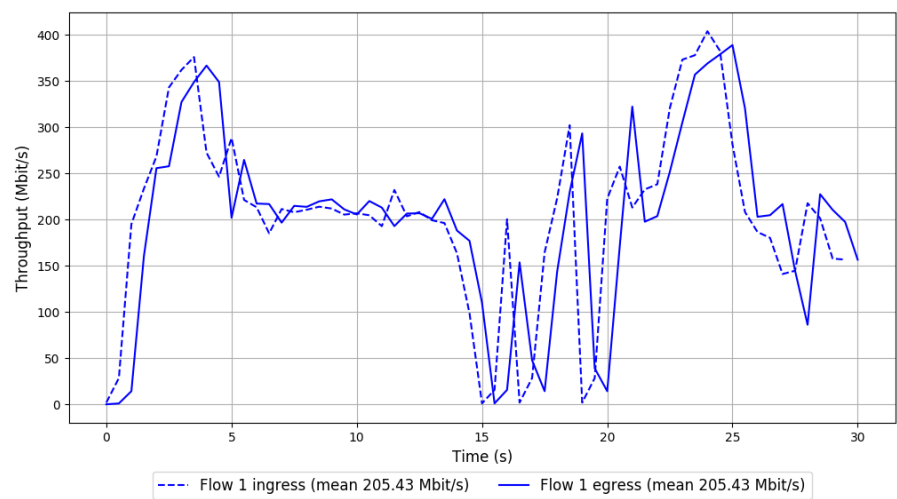


Run 2: Statistics of Verus

Start at: 2018-07-10 20:48:23
End at: 2018-07-10 20:48:53
Local clock offset: 0.047 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-07-11 01:18:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.43 Mbit/s
95th percentile per-packet one-way delay: 121.595 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 205.43 Mbit/s
95th percentile per-packet one-way delay: 121.595 ms
Loss rate: 0.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-10 21:11:03

End at: 2018-07-10 21:11:33

Local clock offset: 0.046 ms

Remote clock offset: 0.223 ms

Below is generated by plot.py at 2018-07-11 01:18:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.94 Mbit/s

95th percentile per-packet one-way delay: 133.708 ms

Loss rate: 0.14%

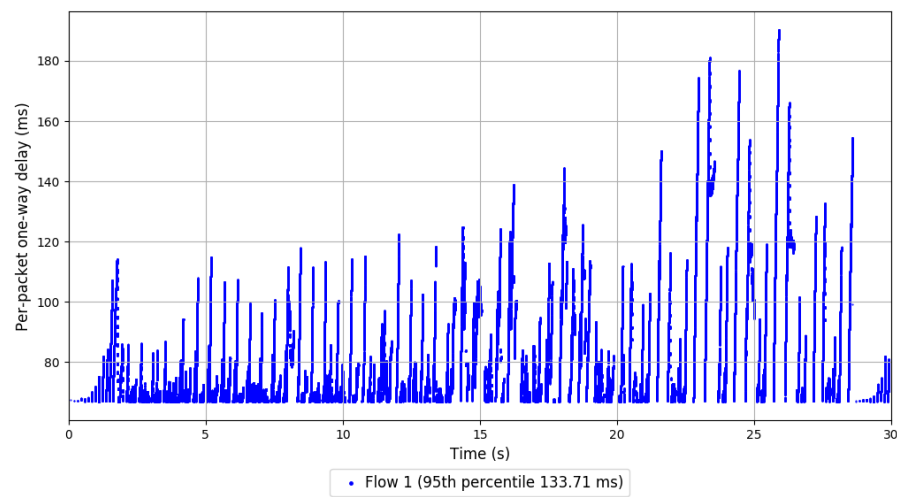
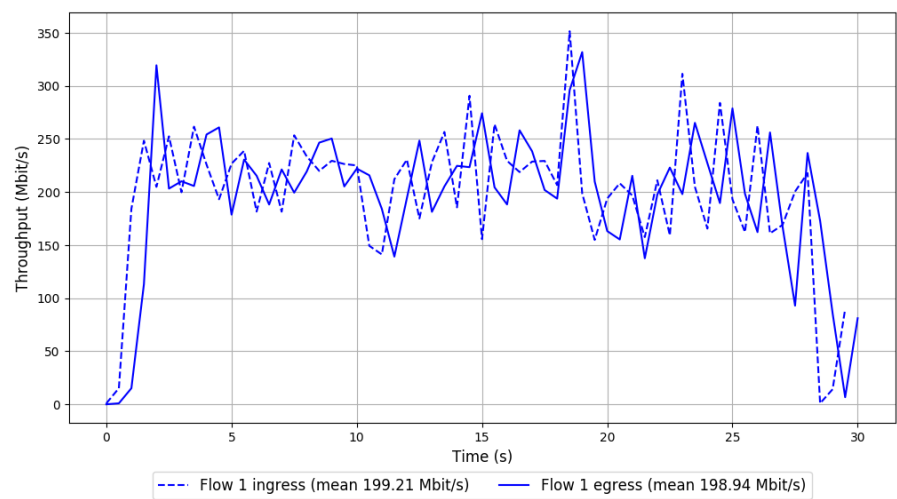
-- Flow 1:

Average throughput: 198.94 Mbit/s

95th percentile per-packet one-way delay: 133.708 ms

Loss rate: 0.14%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-10 21:32:20

End at: 2018-07-10 21:32:50

Local clock offset: -0.009 ms

Remote clock offset: 0.06 ms

Below is generated by plot.py at 2018-07-11 01:18:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.20 Mbit/s

95th percentile per-packet one-way delay: 102.139 ms

Loss rate: 0.00%

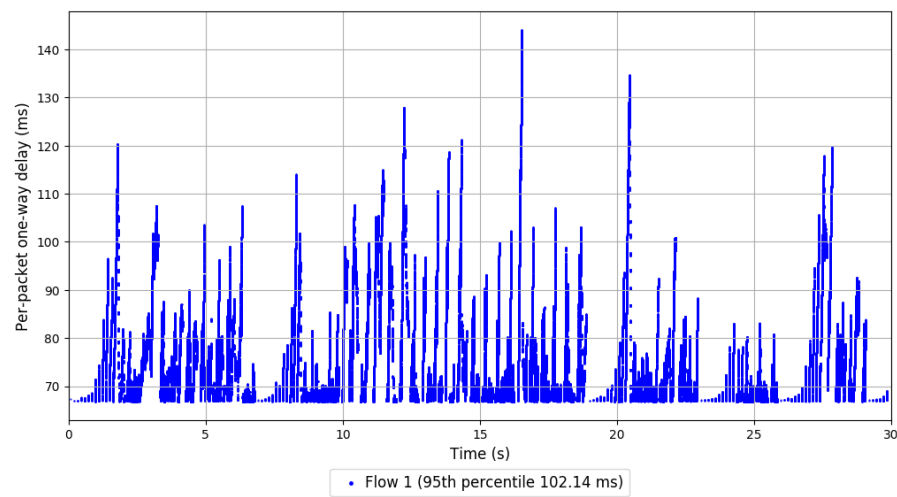
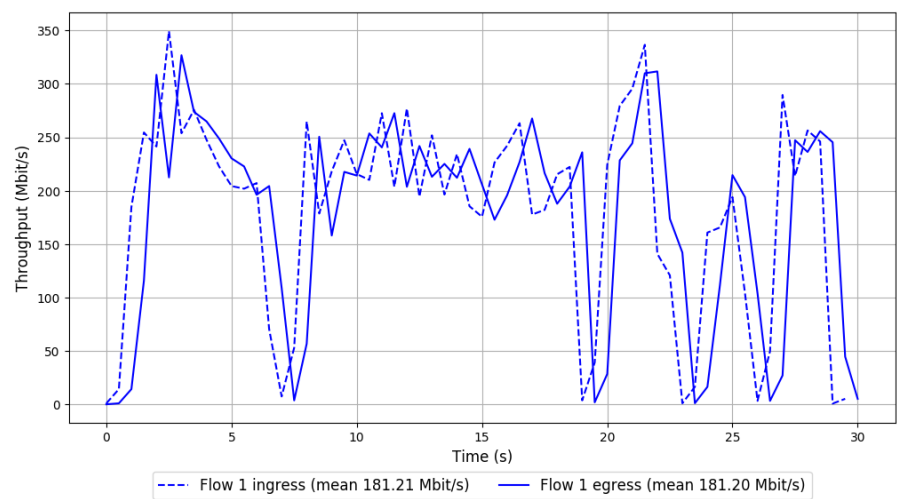
-- Flow 1:

Average throughput: 181.20 Mbit/s

95th percentile per-packet one-way delay: 102.139 ms

Loss rate: 0.00%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-10 21:53:49

End at: 2018-07-10 21:54:20

Local clock offset: -0.073 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-07-11 01:18:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.98 Mbit/s

95th percentile per-packet one-way delay: 108.312 ms

Loss rate: 0.11%

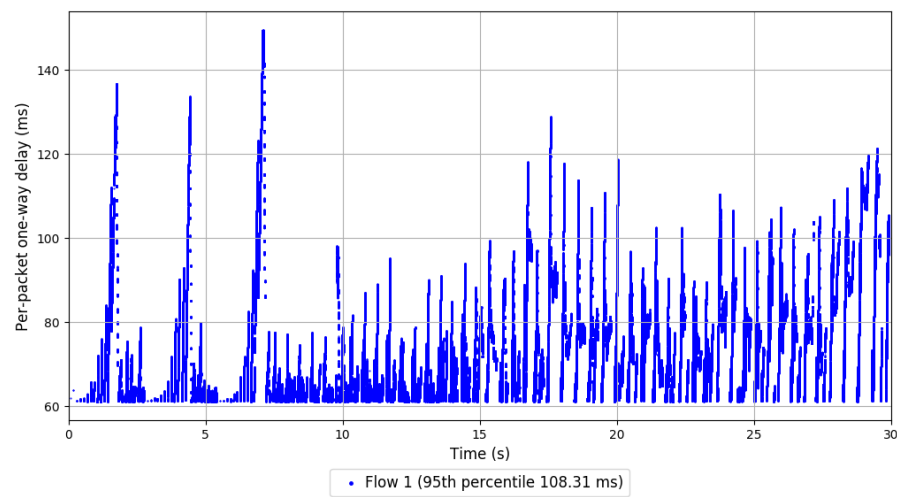
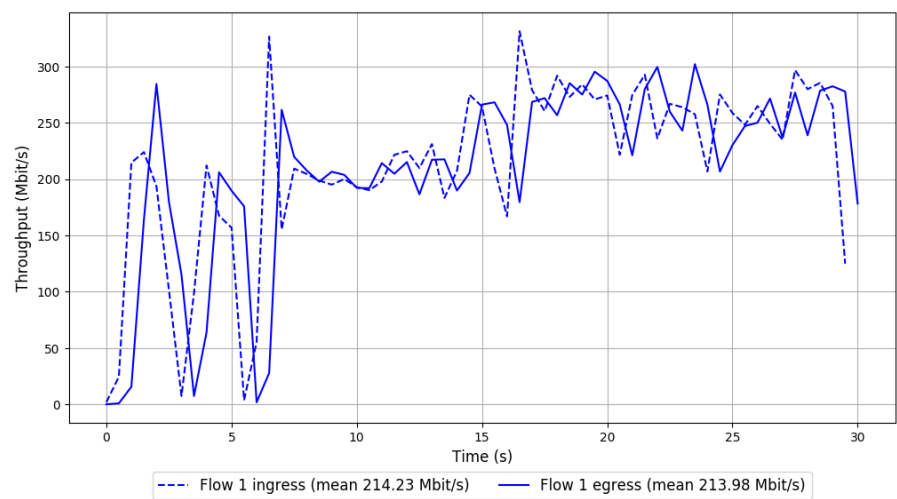
-- Flow 1:

Average throughput: 213.98 Mbit/s

95th percentile per-packet one-way delay: 108.312 ms

Loss rate: 0.11%

Run 5: Report of Verus — Data Link

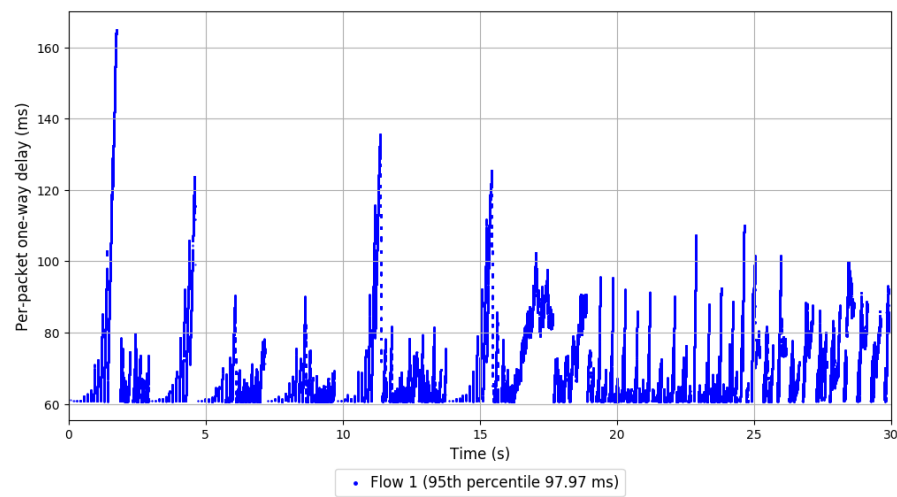
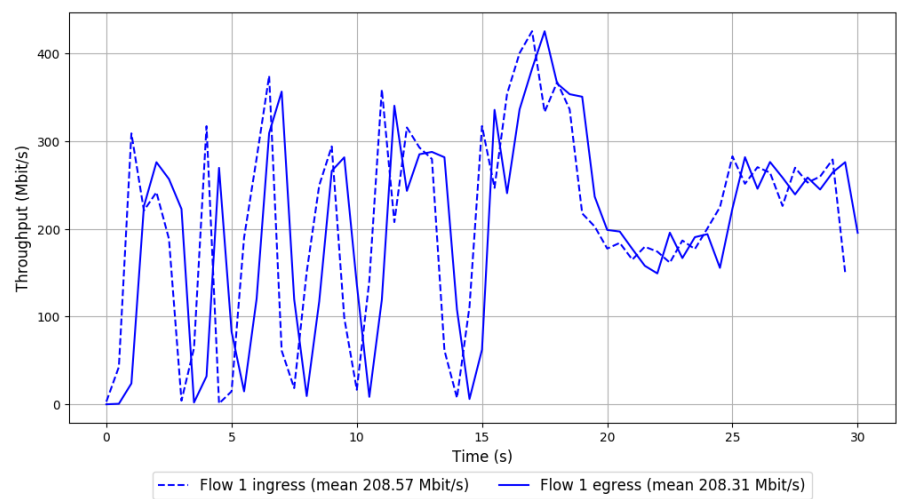


Run 6: Statistics of Verus

Start at: 2018-07-10 22:15:29
End at: 2018-07-10 22:15:59
Local clock offset: -0.001 ms
Remote clock offset: -0.354 ms

Below is generated by plot.py at 2018-07-11 01:18:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 208.31 Mbit/s
95th percentile per-packet one-way delay: 97.965 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 208.31 Mbit/s
95th percentile per-packet one-way delay: 97.965 ms
Loss rate: 0.12%

Run 6: Report of Verus — Data Link

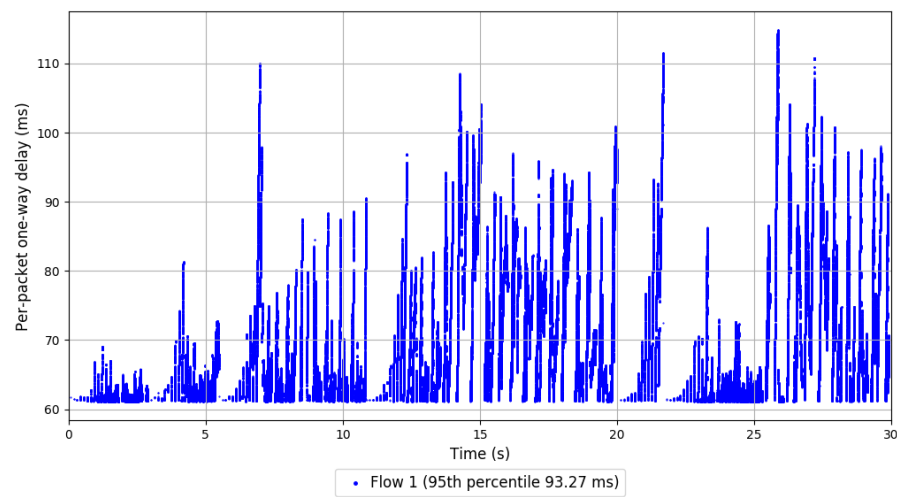
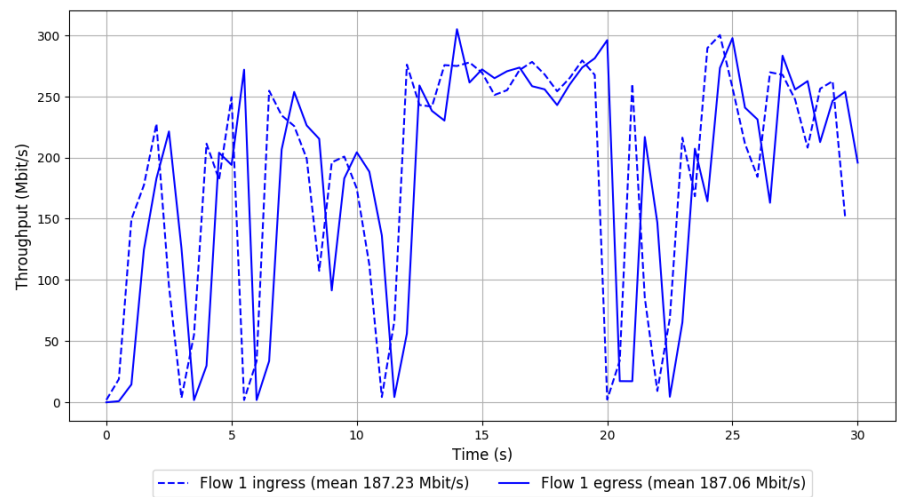


Run 7: Statistics of Verus

Start at: 2018-07-10 22:37:16
End at: 2018-07-10 22:37:46
Local clock offset: -0.078 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-11 01:18:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.06 Mbit/s
95th percentile per-packet one-way delay: 93.273 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 187.06 Mbit/s
95th percentile per-packet one-way delay: 93.273 ms
Loss rate: 0.09%

Run 7: Report of Verus — Data Link

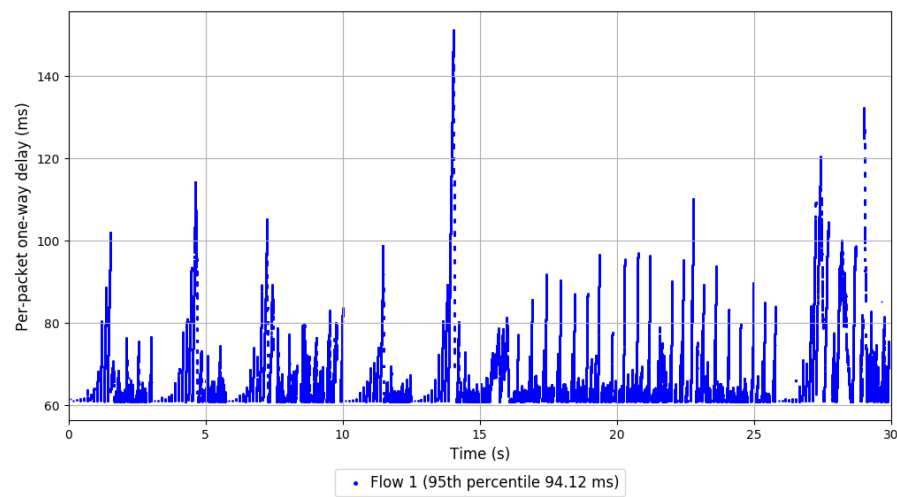
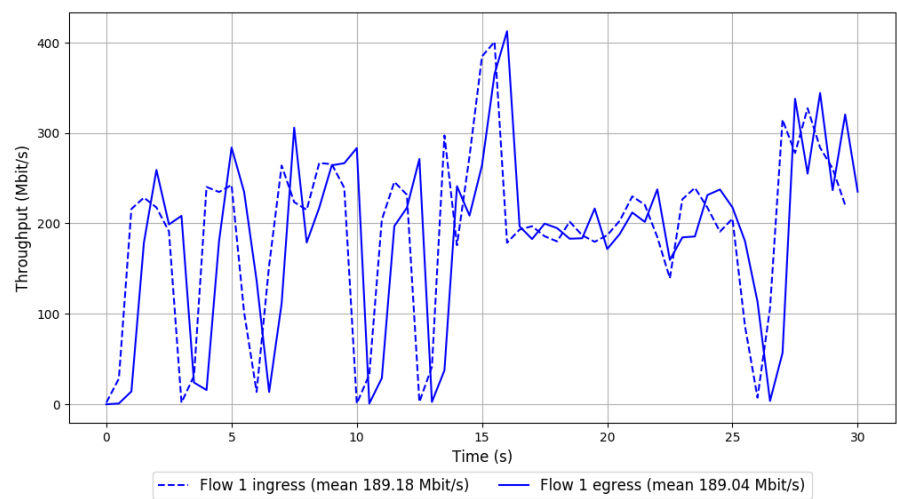


Run 8: Statistics of Verus

Start at: 2018-07-10 22:59:06
End at: 2018-07-10 22:59:36
Local clock offset: -0.041 ms
Remote clock offset: -0.311 ms

Below is generated by plot.py at 2018-07-11 01:20:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 189.04 Mbit/s
95th percentile per-packet one-way delay: 94.121 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 189.04 Mbit/s
95th percentile per-packet one-way delay: 94.121 ms
Loss rate: 0.08%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-10 23:20:30

End at: 2018-07-10 23:21:00

Local clock offset: -0.024 ms

Remote clock offset: 0.32 ms

Below is generated by plot.py at 2018-07-11 01:21:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 237.46 Mbit/s

95th percentile per-packet one-way delay: 156.060 ms

Loss rate: 0.00%

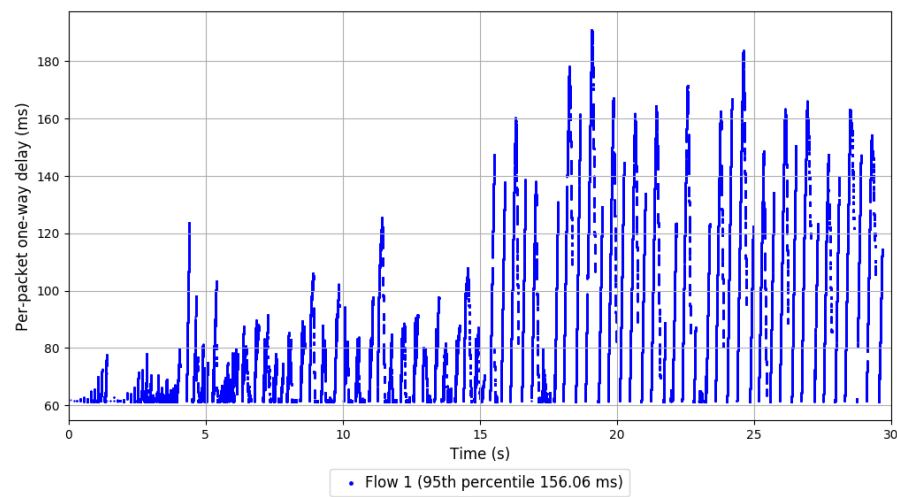
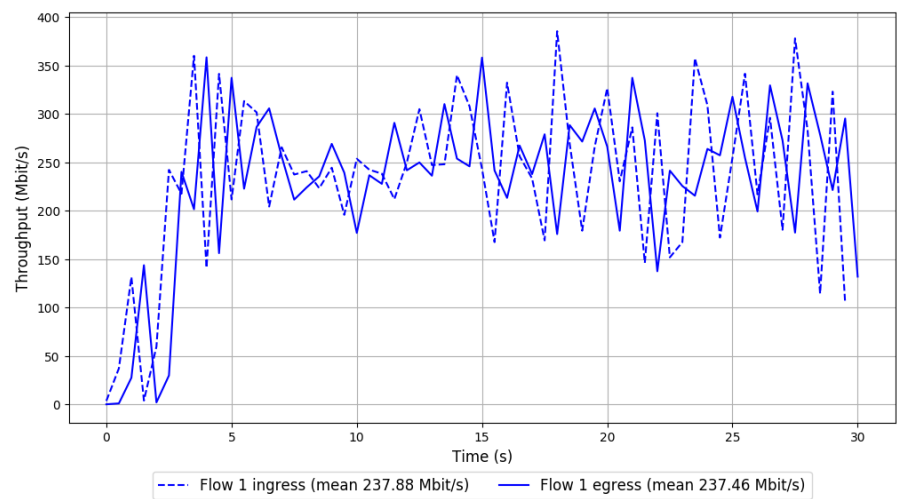
-- Flow 1:

Average throughput: 237.46 Mbit/s

95th percentile per-packet one-way delay: 156.060 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link

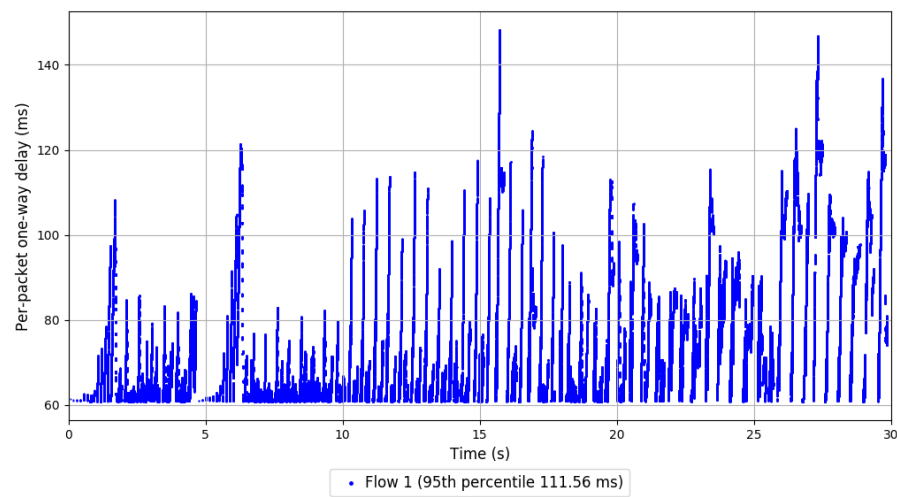
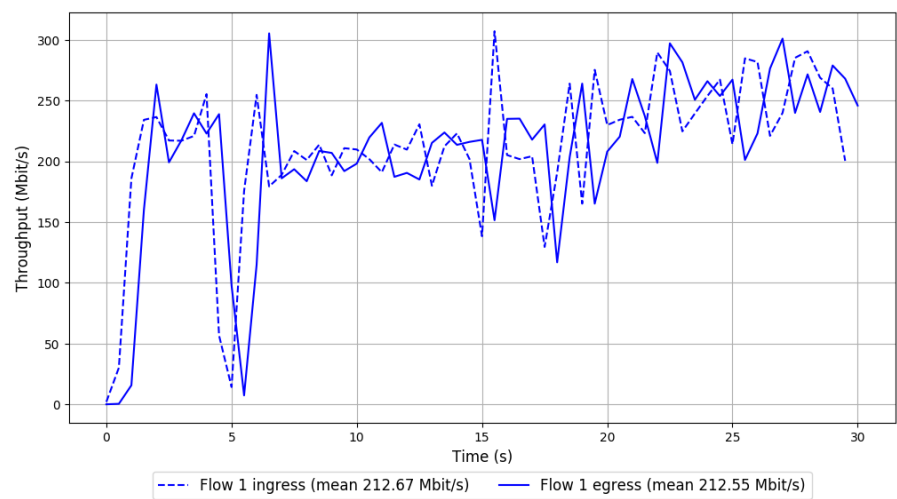


Run 10: Statistics of Verus

Start at: 2018-07-10 23:42:14
End at: 2018-07-10 23:42:44
Local clock offset: -0.06 ms
Remote clock offset: -0.352 ms

Below is generated by plot.py at 2018-07-11 01:21:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 212.55 Mbit/s
95th percentile per-packet one-way delay: 111.557 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 212.55 Mbit/s
95th percentile per-packet one-way delay: 111.557 ms
Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-10 20:22:02

End at: 2018-07-10 20:22:32

Local clock offset: 0.007 ms

Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-11 01:23:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 319.32 Mbit/s

95th percentile per-packet one-way delay: 67.074 ms

Loss rate: 0.00%

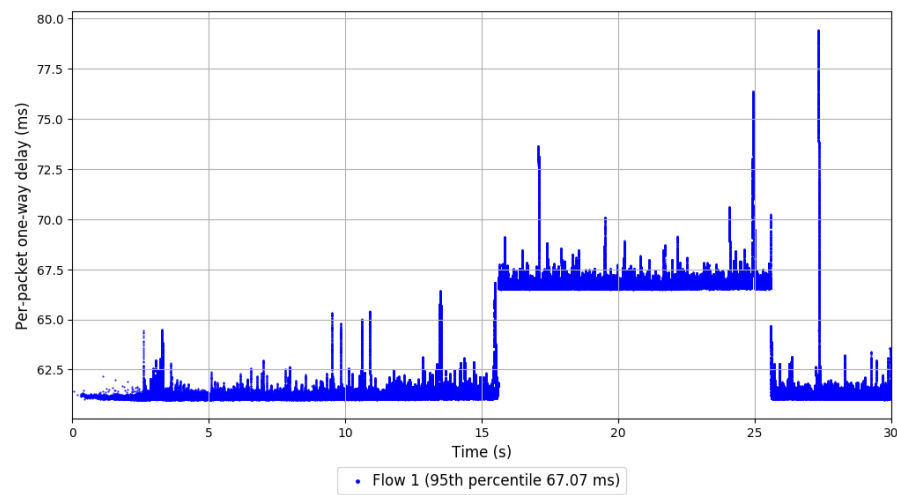
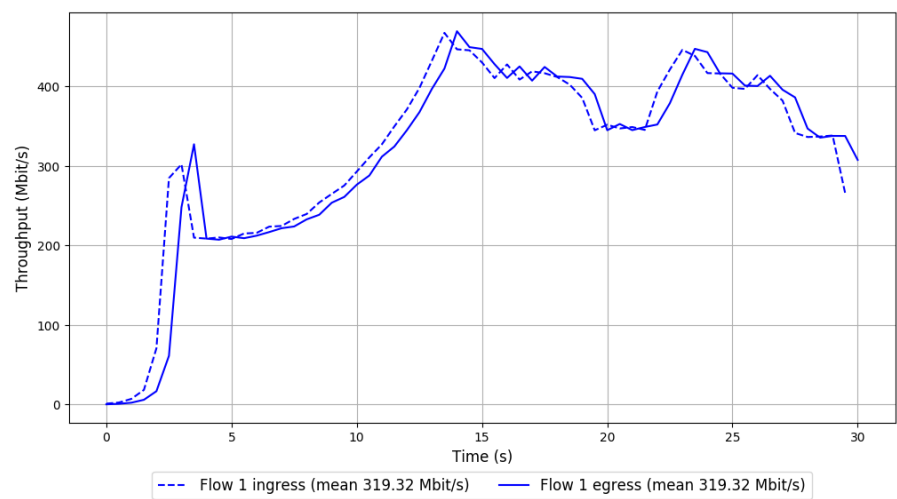
-- Flow 1:

Average throughput: 319.32 Mbit/s

95th percentile per-packet one-way delay: 67.074 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-10 20:43:23

End at: 2018-07-10 20:43:53

Local clock offset: 0.04 ms

Remote clock offset: 0.081 ms

Below is generated by plot.py at 2018-07-11 01:23:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 239.02 Mbit/s

95th percentile per-packet one-way delay: 70.546 ms

Loss rate: 0.00%

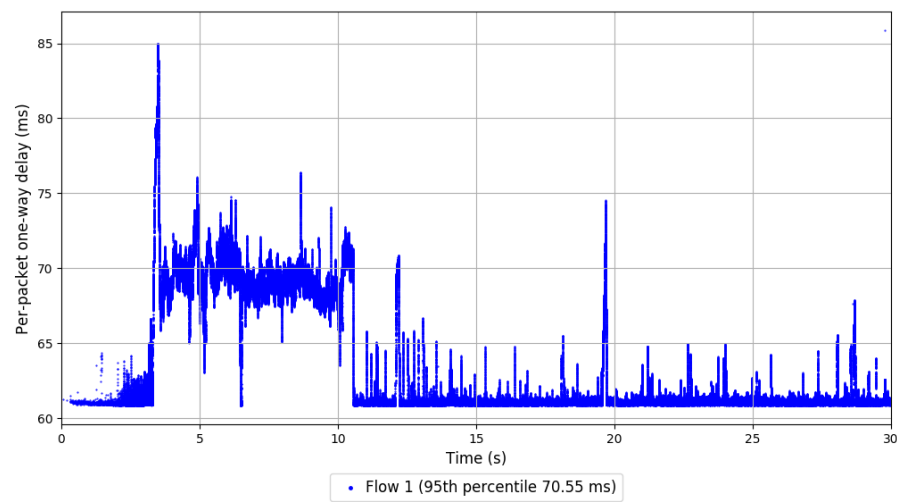
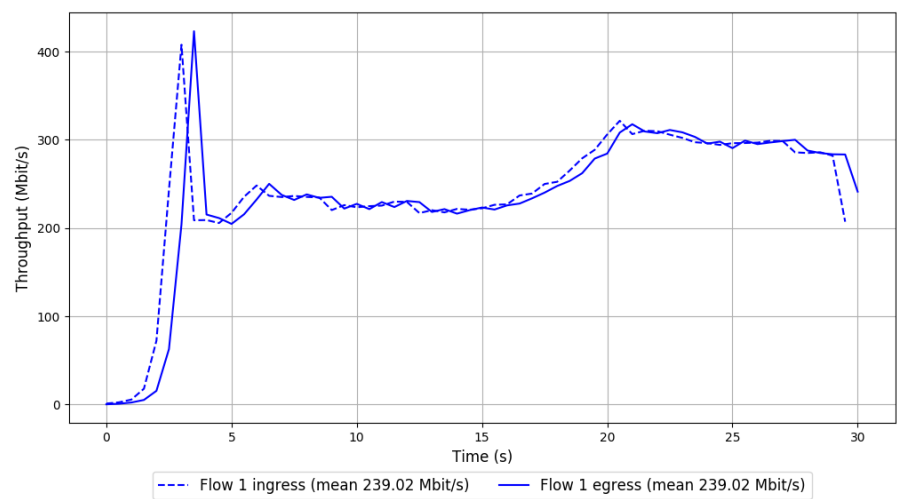
-- Flow 1:

Average throughput: 239.02 Mbit/s

95th percentile per-packet one-way delay: 70.546 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-10 21:04:50

End at: 2018-07-10 21:05:20

Local clock offset: -0.028 ms

Remote clock offset: -0.22 ms

Below is generated by plot.py at 2018-07-11 01:23:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 282.59 Mbit/s

95th percentile per-packet one-way delay: 61.719 ms

Loss rate: 0.00%

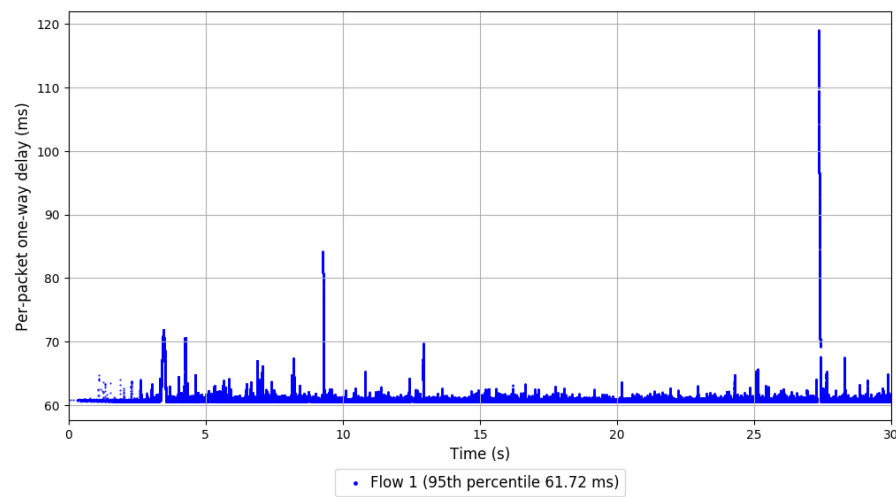
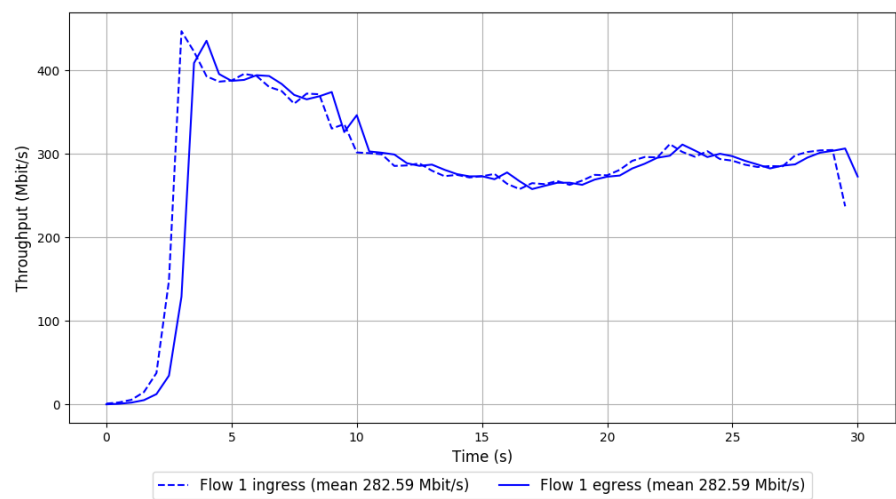
-- Flow 1:

Average throughput: 282.59 Mbit/s

95th percentile per-packet one-way delay: 61.719 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-10 21:27:11

End at: 2018-07-10 21:27:41

Local clock offset: 0.023 ms

Remote clock offset: 1.297 ms

Below is generated by plot.py at 2018-07-11 01:24:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 332.40 Mbit/s

95th percentile per-packet one-way delay: 69.781 ms

Loss rate: 0.00%

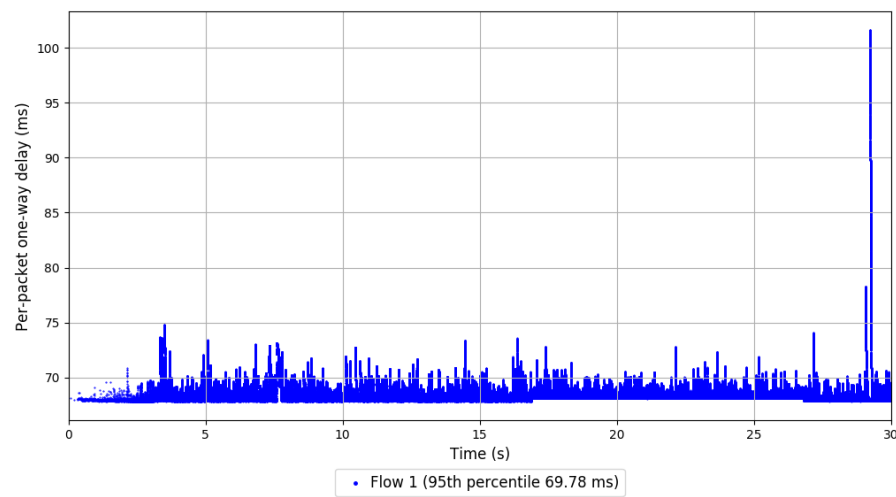
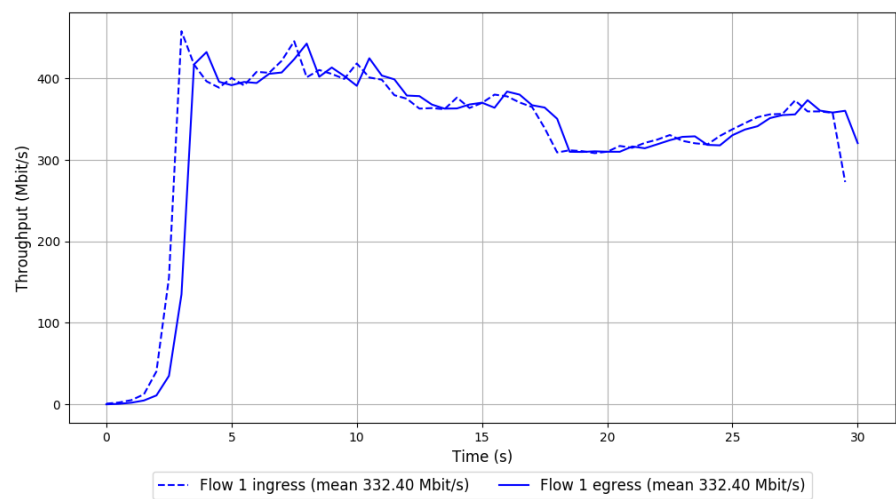
-- Flow 1:

Average throughput: 332.40 Mbit/s

95th percentile per-packet one-way delay: 69.781 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-10 21:48:40

End at: 2018-07-10 21:49:10

Local clock offset: 0.006 ms

Remote clock offset: 0.221 ms

Below is generated by plot.py at 2018-07-11 01:24:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 329.07 Mbit/s

95th percentile per-packet one-way delay: 70.165 ms

Loss rate: 0.01%

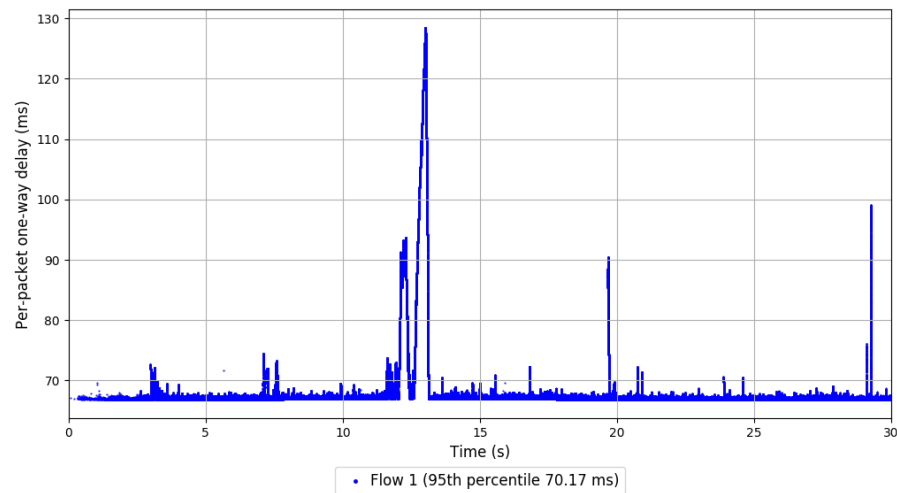
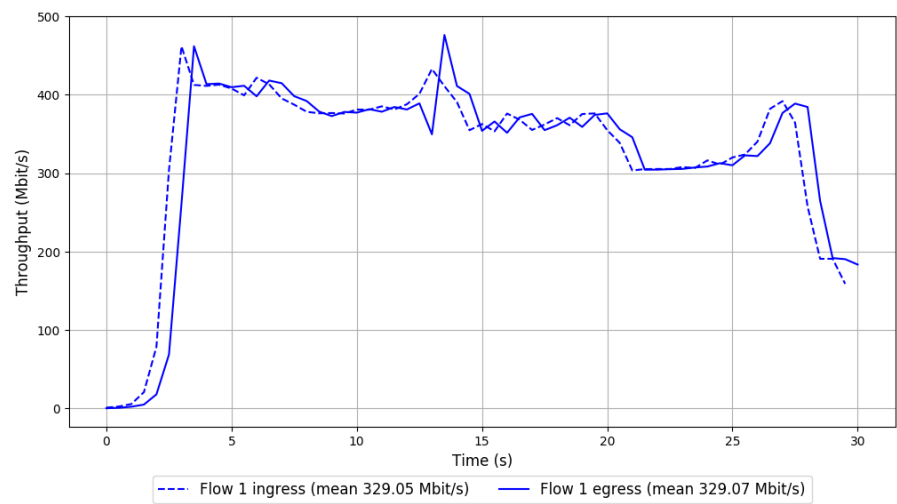
-- Flow 1:

Average throughput: 329.07 Mbit/s

95th percentile per-packet one-way delay: 70.165 ms

Loss rate: 0.01%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-10 22:10:13

End at: 2018-07-10 22:10:43

Local clock offset: -0.025 ms

Remote clock offset: 0.2 ms

Below is generated by plot.py at 2018-07-11 01:26:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 360.58 Mbit/s

95th percentile per-packet one-way delay: 67.542 ms

Loss rate: 0.00%

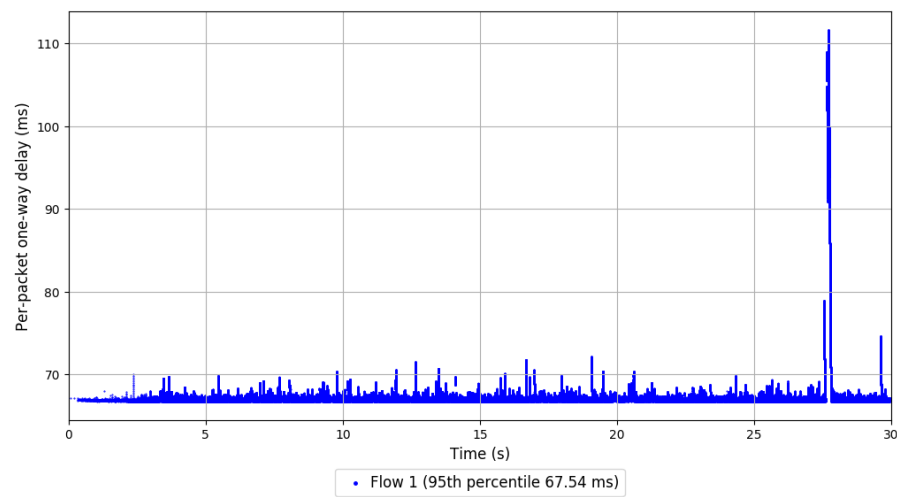
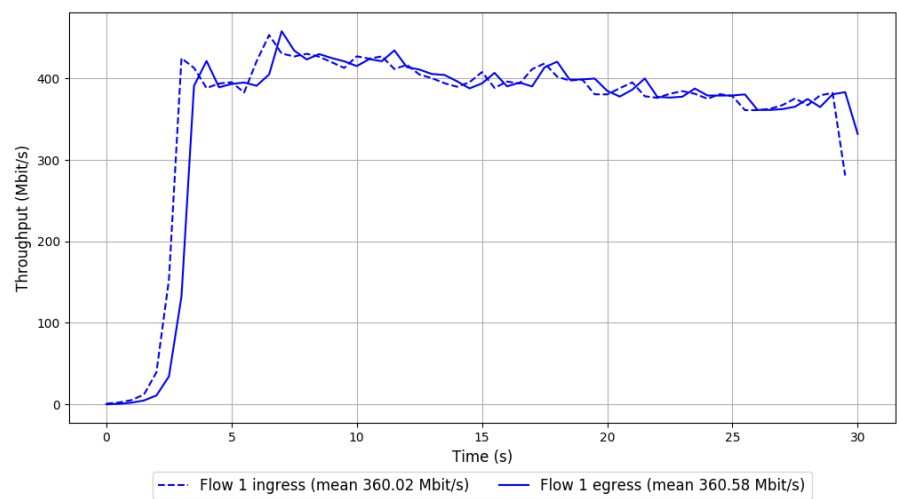
-- Flow 1:

Average throughput: 360.58 Mbit/s

95th percentile per-packet one-way delay: 67.542 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link

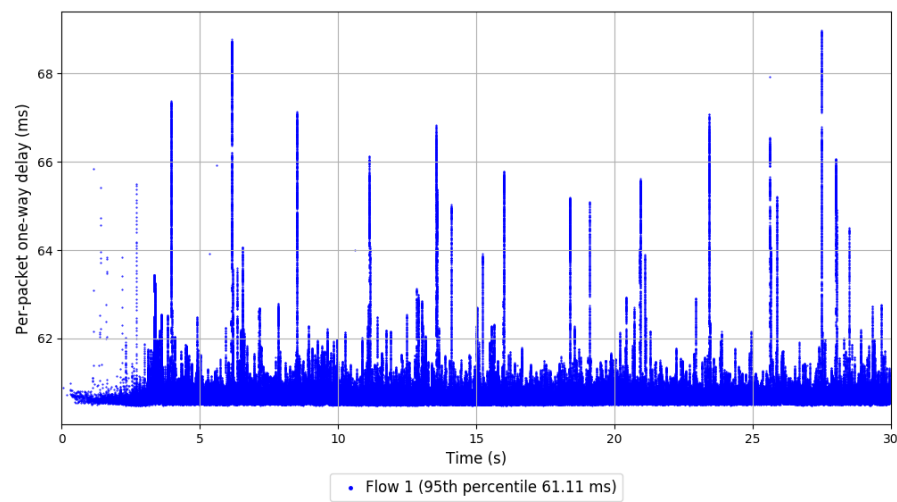
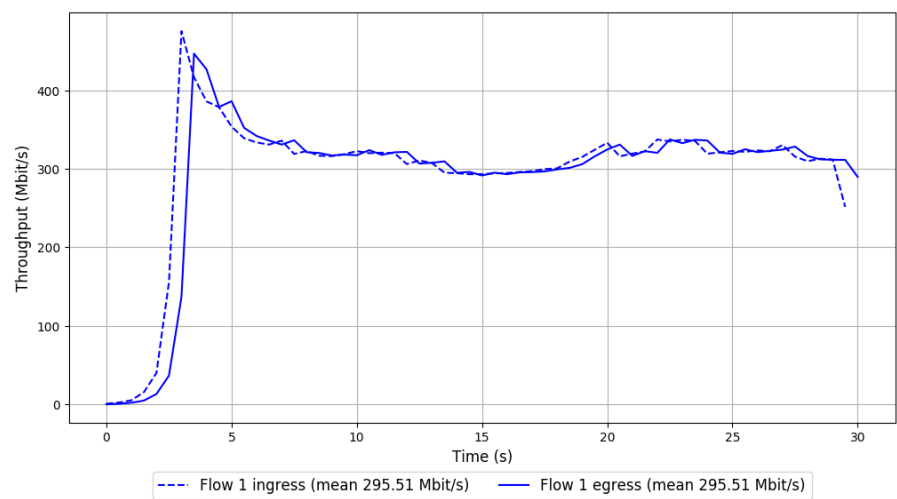


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-10 22:32:11
End at: 2018-07-10 22:32:41
Local clock offset: -0.011 ms
Remote clock offset: -0.244 ms

Below is generated by plot.py at 2018-07-11 01:26:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 295.51 Mbit/s
95th percentile per-packet one-way delay: 61.113 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 295.51 Mbit/s
95th percentile per-packet one-way delay: 61.113 ms
Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link

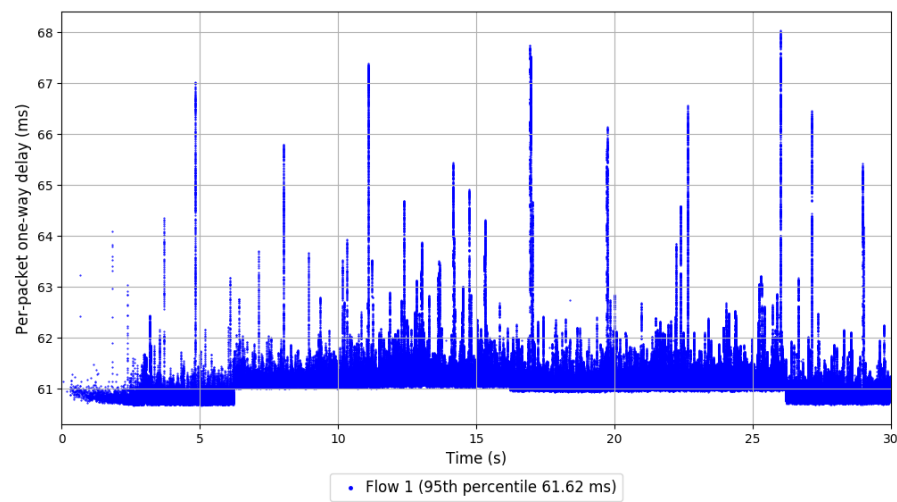
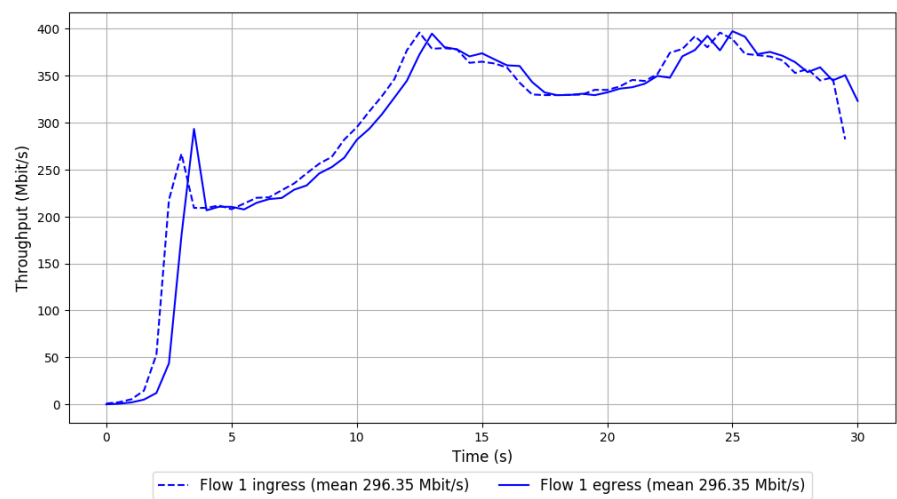


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-10 22:54:01
End at: 2018-07-10 22:54:31
Local clock offset: -0.009 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-07-11 01:26:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 296.35 Mbit/s
95th percentile per-packet one-way delay: 61.620 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 296.35 Mbit/s
95th percentile per-packet one-way delay: 61.620 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

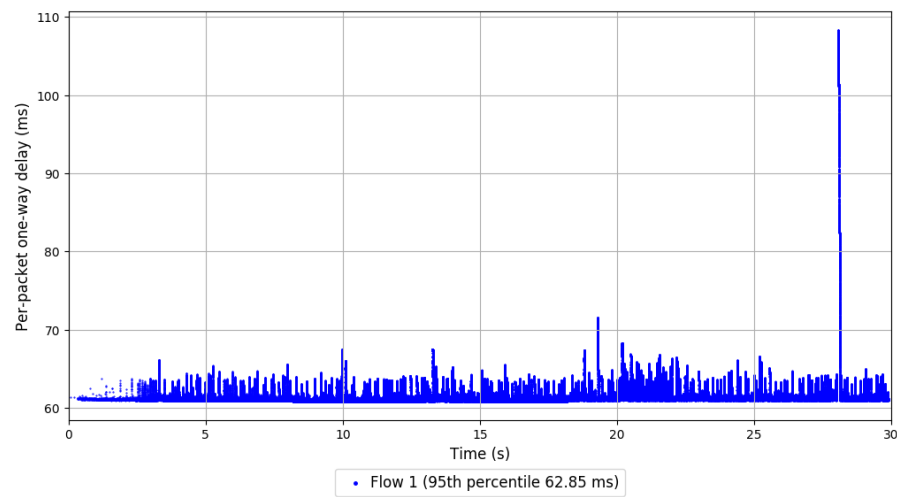
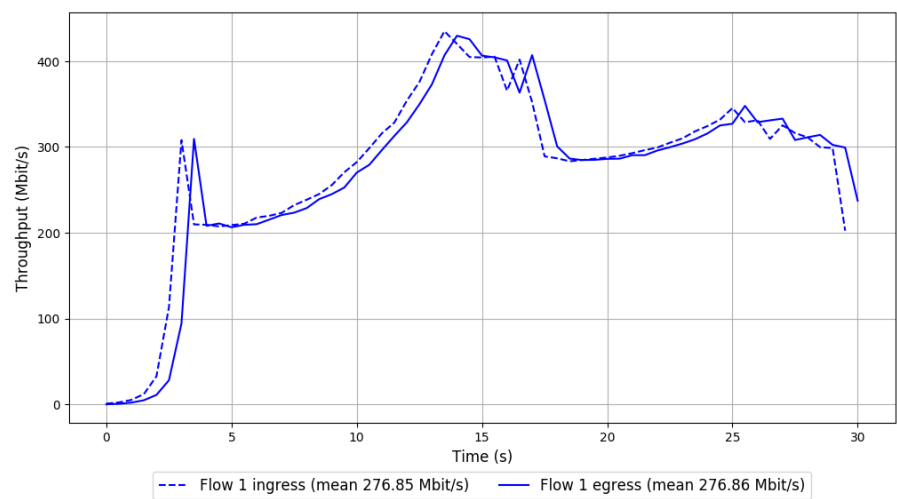


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-10 23:15:29
End at: 2018-07-10 23:15:59
Local clock offset: -0.012 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-11 01:26:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 276.86 Mbit/s
95th percentile per-packet one-way delay: 62.851 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 276.86 Mbit/s
95th percentile per-packet one-way delay: 62.851 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-10 23:37:05

End at: 2018-07-10 23:37:35

Local clock offset: -0.068 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2018-07-11 01:26:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 322.40 Mbit/s

95th percentile per-packet one-way delay: 62.162 ms

Loss rate: 0.00%

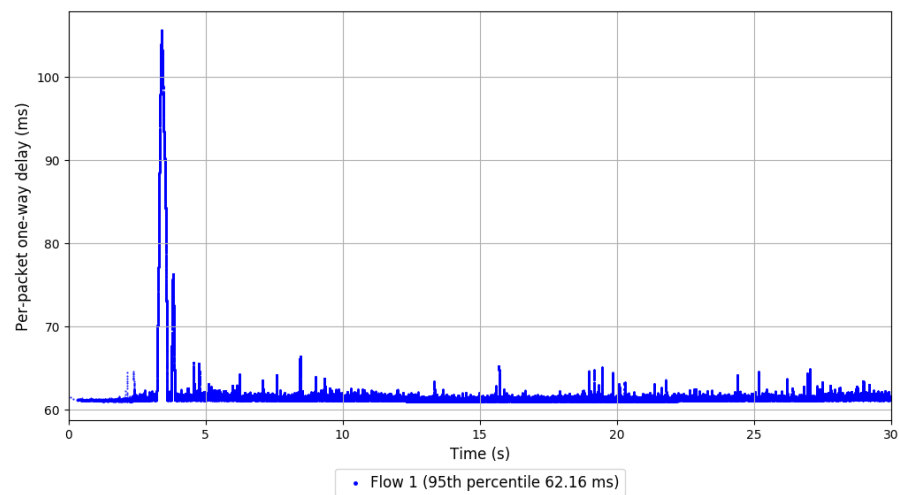
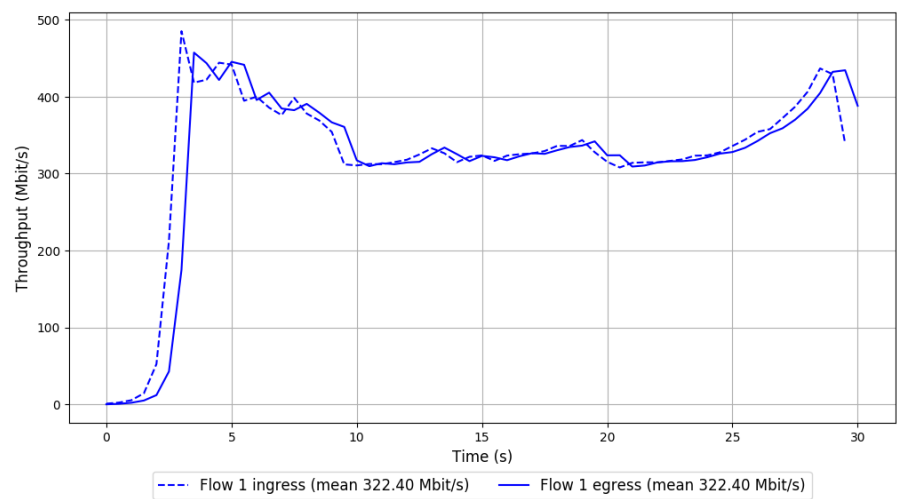
-- Flow 1:

Average throughput: 322.40 Mbit/s

95th percentile per-packet one-way delay: 62.162 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-10 20:33:26

End at: 2018-07-10 20:33:56

Local clock offset: 0.022 ms

Remote clock offset: 0.213 ms

Below is generated by plot.py at 2018-07-11 01:26:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.68 Mbit/s

95th percentile per-packet one-way delay: 61.734 ms

Loss rate: 0.00%

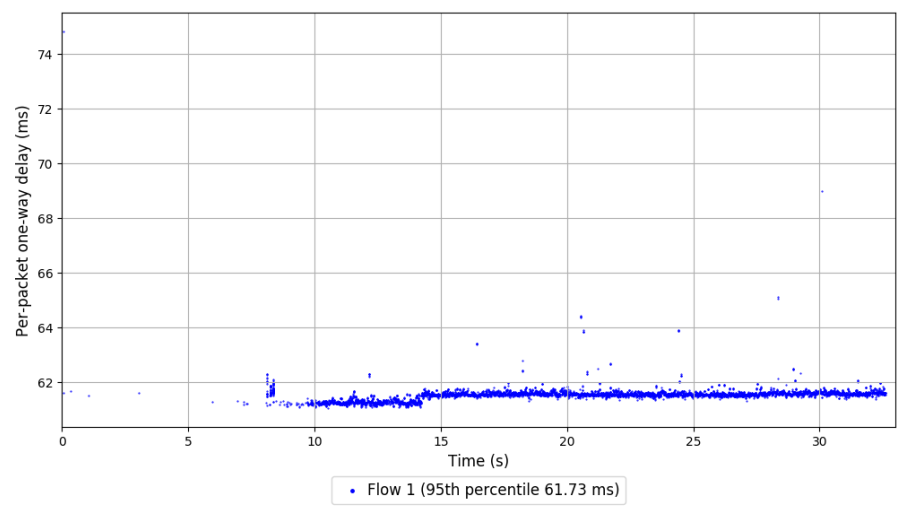
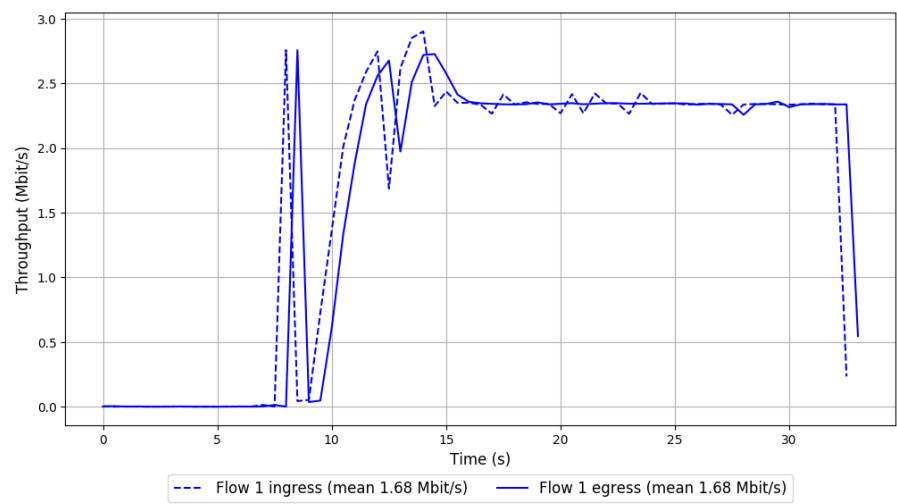
-- Flow 1:

Average throughput: 1.68 Mbit/s

95th percentile per-packet one-way delay: 61.734 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-10 20:54:32

End at: 2018-07-10 20:55:02

Local clock offset: -0.002 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-11 01:26:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 66.891 ms

Loss rate: 0.00%

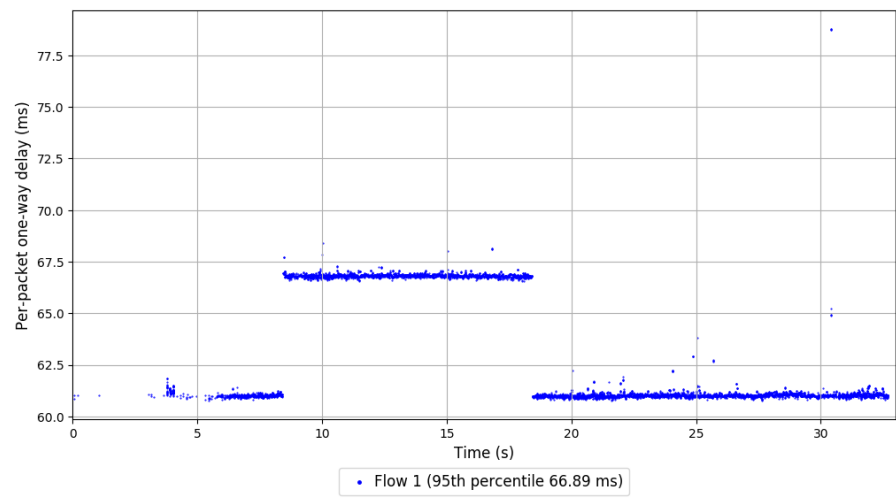
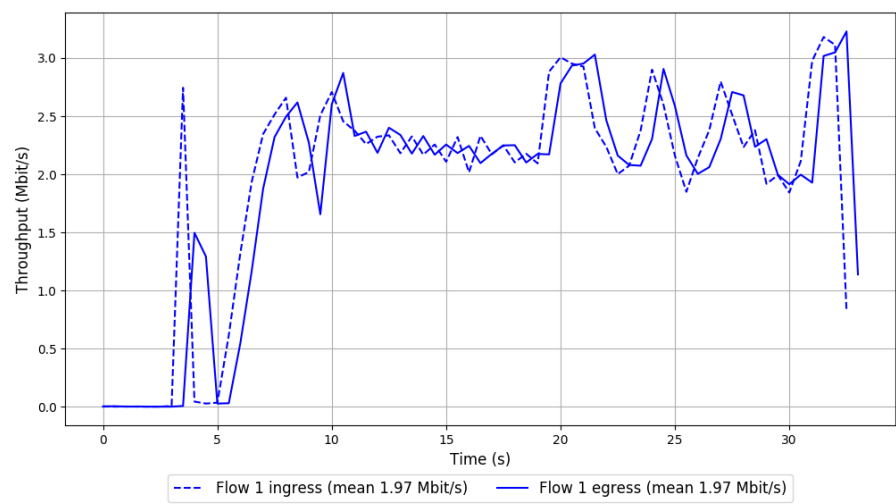
-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 66.891 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-10 21:17:12

End at: 2018-07-10 21:17:42

Local clock offset: -0.011 ms

Remote clock offset: 0.175 ms

Below is generated by plot.py at 2018-07-11 01:26:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 61.458 ms

Loss rate: 0.00%

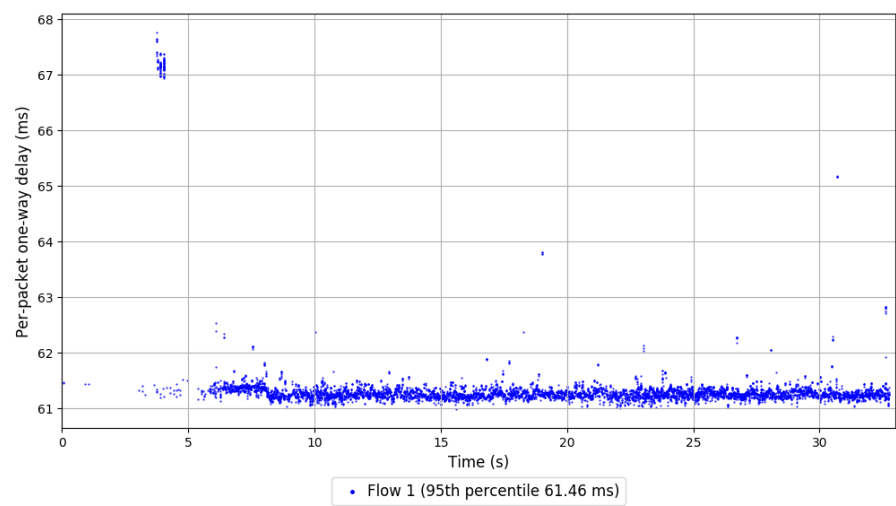
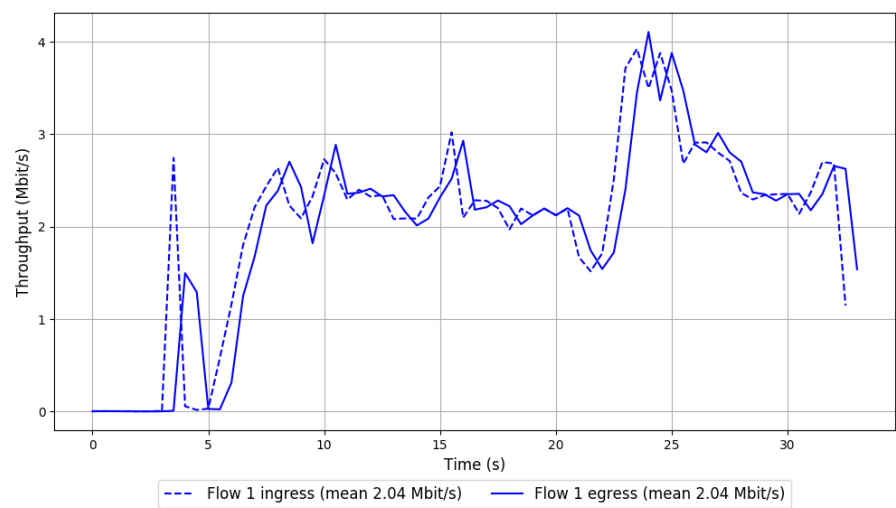
-- Flow 1:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 61.458 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-10 21:38:28

End at: 2018-07-10 21:38:58

Local clock offset: 0.031 ms

Remote clock offset: 0.094 ms

Below is generated by plot.py at 2018-07-11 01:26:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 67.117 ms

Loss rate: 0.00%

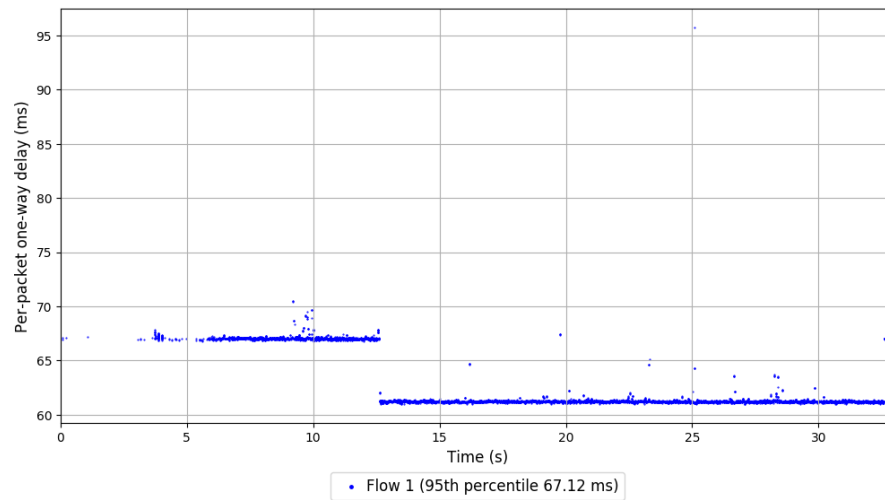
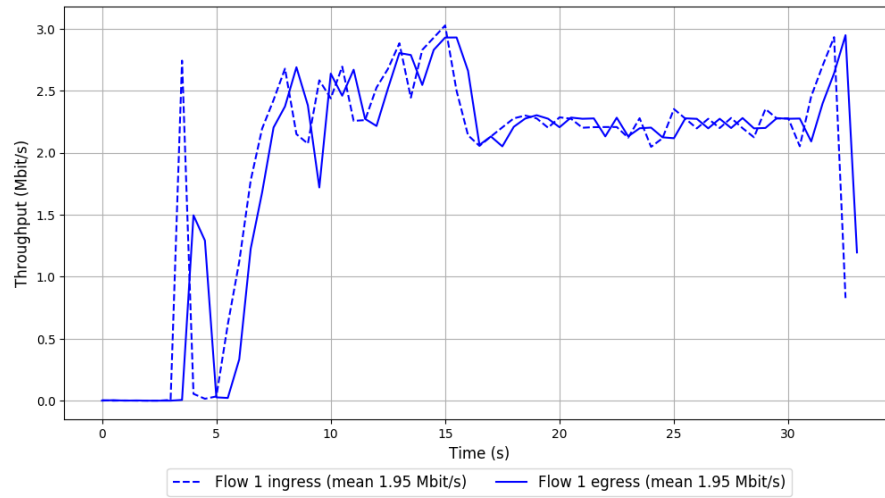
-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 67.117 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-10 22:00:02

End at: 2018-07-10 22:00:32

Local clock offset: 0.01 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-07-11 01:26:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 66.756 ms

Loss rate: 0.00%

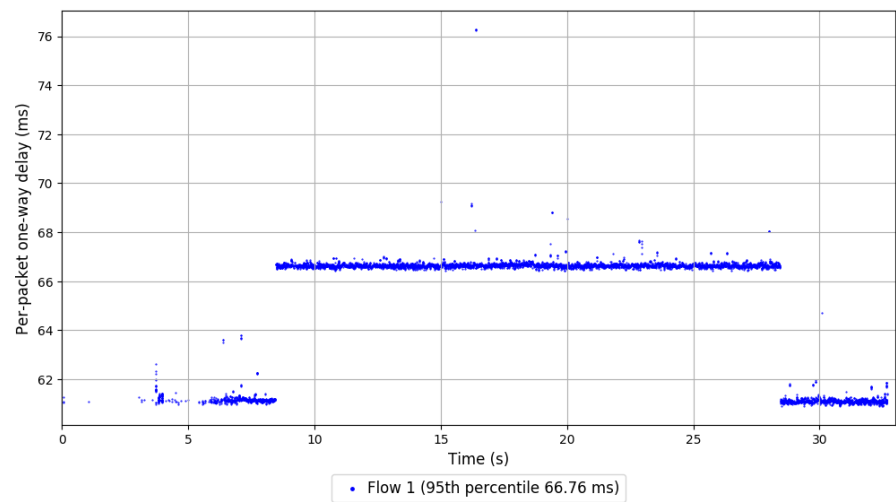
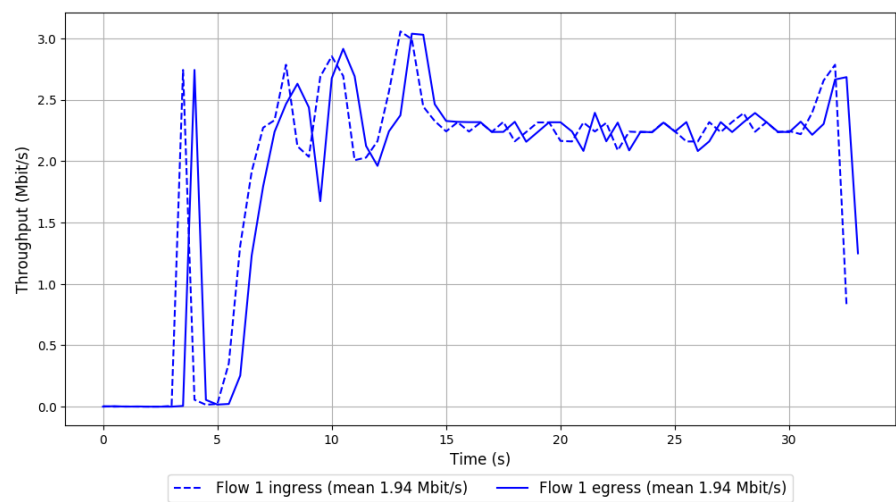
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 66.756 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

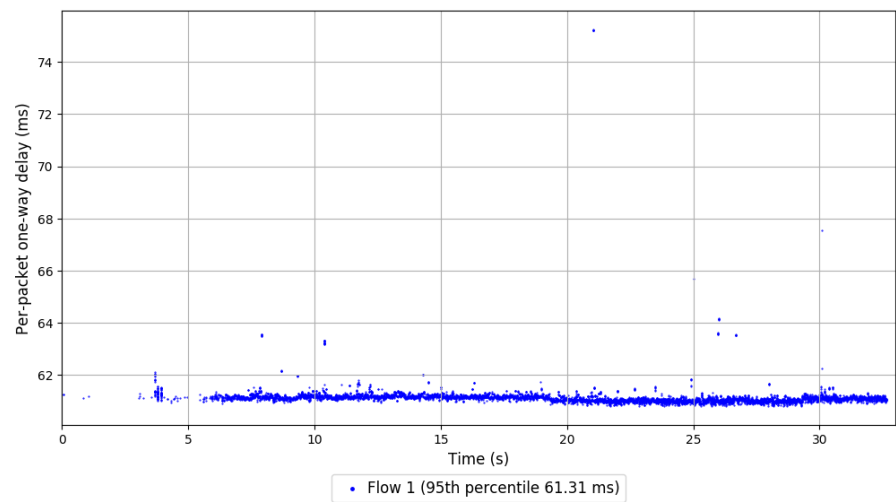
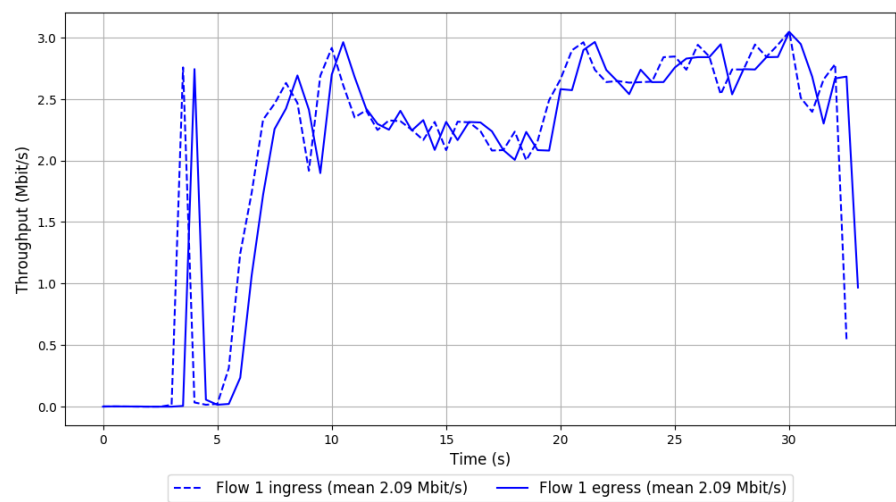


Run 6: Statistics of WebRTC media

Start at: 2018-07-10 22:21:41
End at: 2018-07-10 22:22:11
Local clock offset: -0.013 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-11 01:26:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 61.314 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 61.314 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

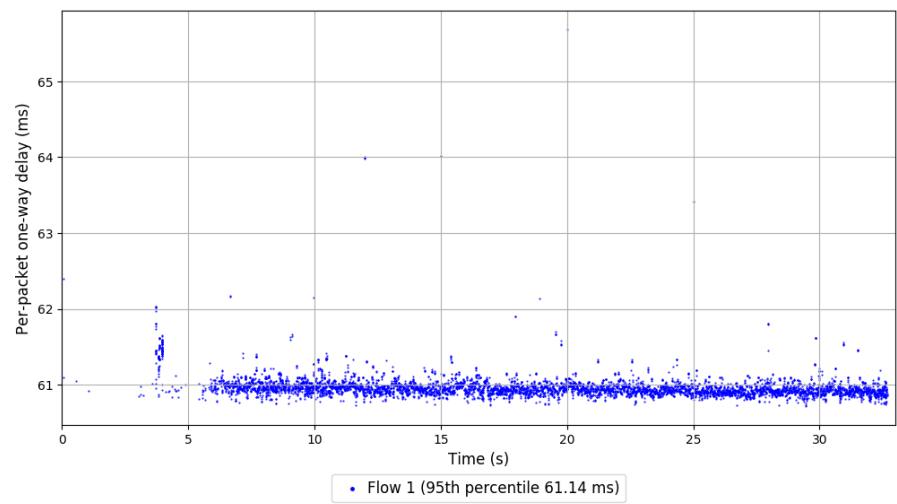
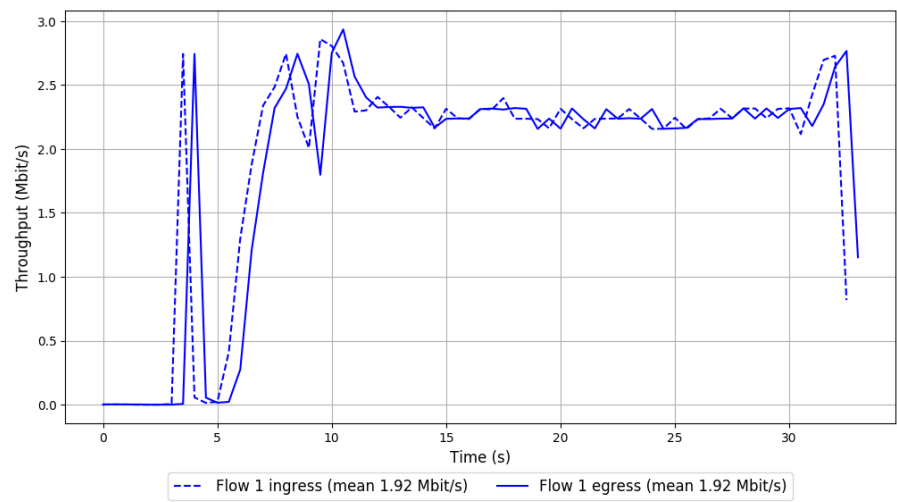


Run 7: Statistics of WebRTC media

Start at: 2018-07-10 22:43:25
End at: 2018-07-10 22:43:55
Local clock offset: -0.041 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-07-11 01:26:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 61.141 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 61.141 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

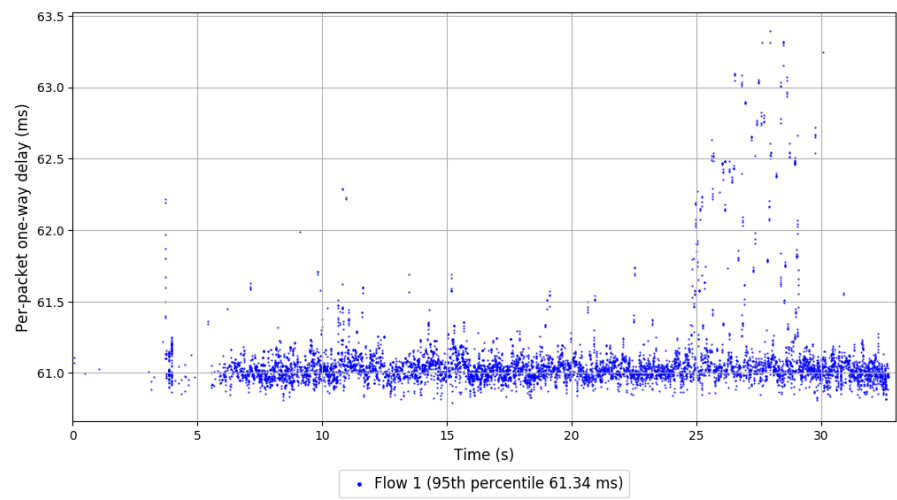
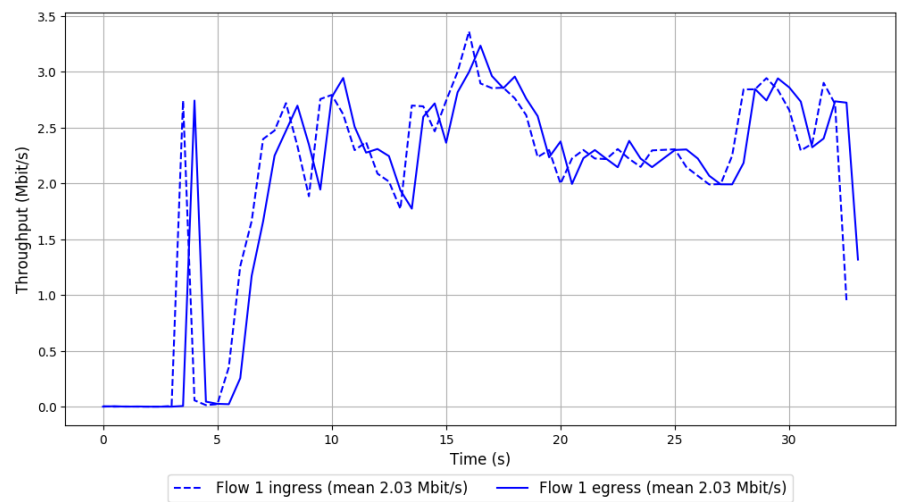


Run 8: Statistics of WebRTC media

Start at: 2018-07-10 23:05:19
End at: 2018-07-10 23:05:49
Local clock offset: -0.054 ms
Remote clock offset: -0.322 ms

Below is generated by plot.py at 2018-07-11 01:26:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 61.335 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 61.335 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

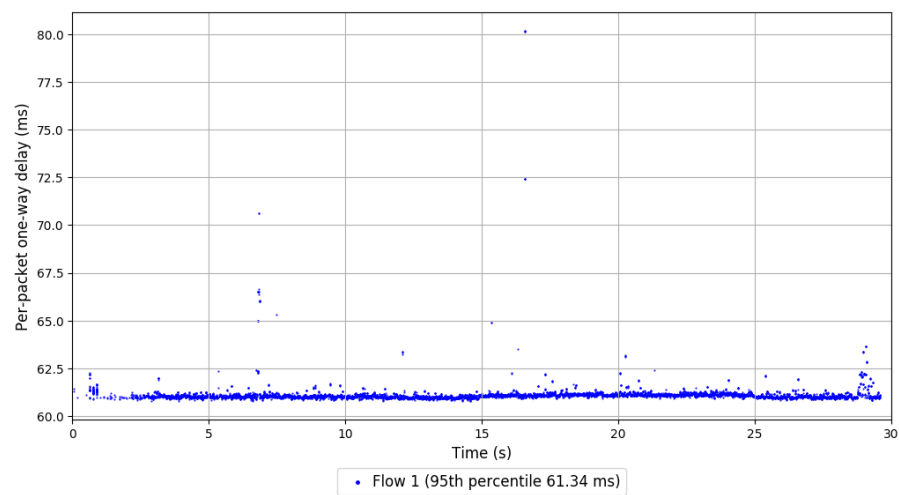
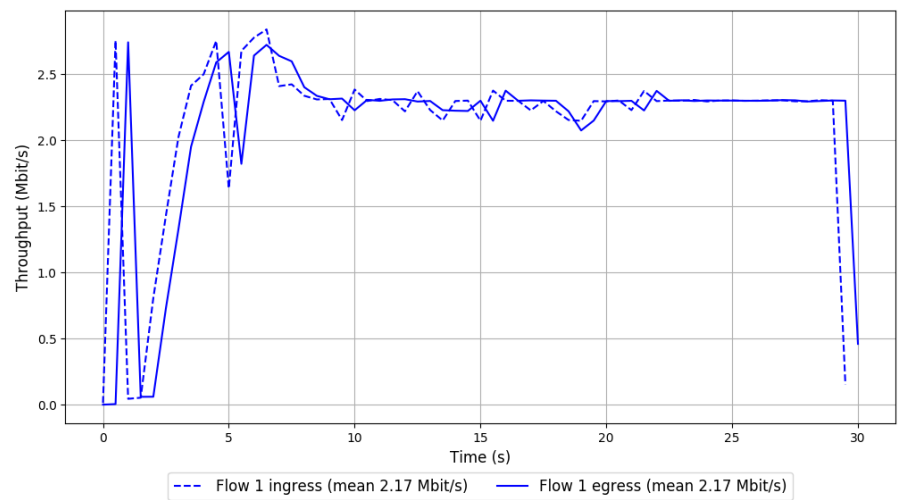


Run 9: Statistics of WebRTC media

Start at: 2018-07-10 23:26:42
End at: 2018-07-10 23:27:12
Local clock offset: -0.03 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-11 01:26:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 61.345 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 61.345 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-10 23:48:25

End at: 2018-07-10 23:48:55

Local clock offset: -0.01 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-07-11 01:26:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 61.352 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 61.352 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

