

Pantheon Report

Generated at 2018-07-25 14:17:14 (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.

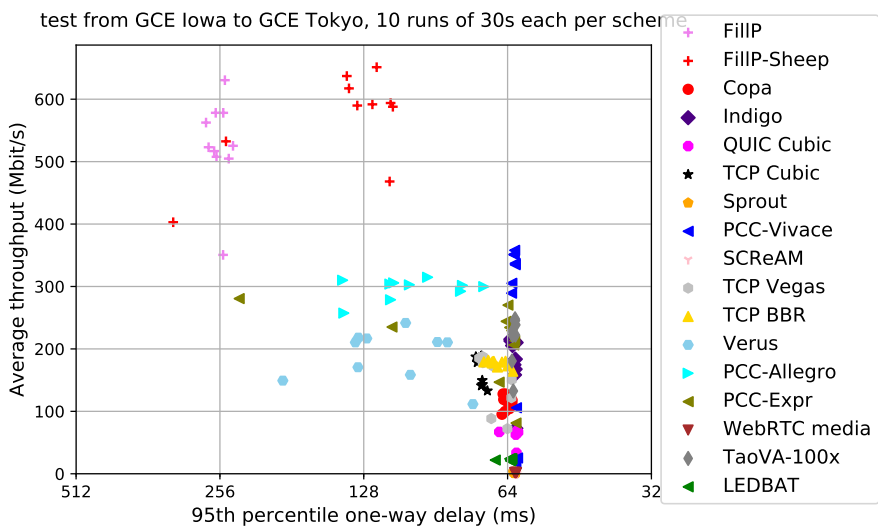
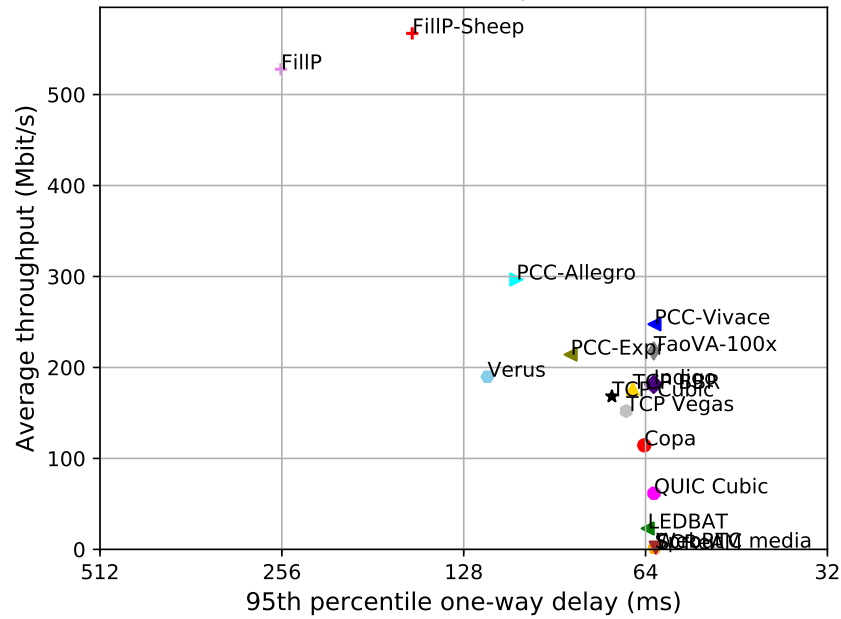
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

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

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



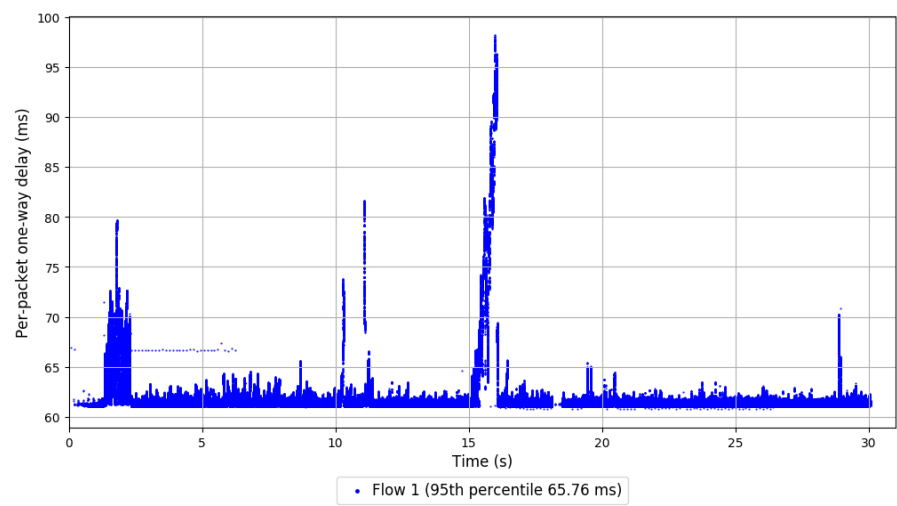
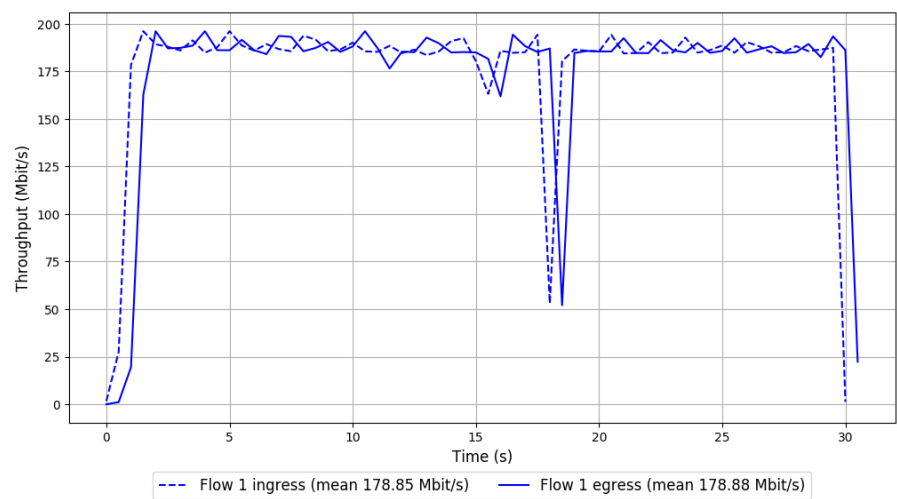
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	176.55	67.21	0.00
Copa	10	114.38	64.32	0.01
TCP Cubic	10	168.21	72.76	0.01
FillP	10	527.78	256.85	0.54
FillP-Sheep	10	567.27	155.74	0.38
Indigo	10	181.33	62.06	0.00
LEDBAT	10	23.01	63.49	0.00
PCC-Allegro	10	296.68	104.72	0.21
PCC-Expr	10	214.13	85.17	0.44
QUIC Cubic	7	61.68	61.98	0.00
SCReAM	10	0.22	61.38	0.00
Sprout	10	1.56	61.81	0.00
TaoVA-100x	9	218.13	62.03	0.00
TCP Vegas	10	152.11	68.90	0.01
Verus	10	189.84	116.92	0.11
PCC-Vivace	10	247.52	61.87	0.01
WebRTC media	10	1.96	61.57	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-25 09:20:12
End at: 2018-07-25 09:20:42
Local clock offset: -0.285 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-25 12:48:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 178.88 Mbit/s
95th percentile per-packet one-way delay: 65.759 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 178.88 Mbit/s
95th percentile per-packet one-way delay: 65.759 ms
Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-25 09:41:37

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

Local clock offset: -0.285 ms

Remote clock offset: 0.166 ms

Below is generated by plot.py at 2018-07-25 12:48:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 164.32 Mbit/s

95th percentile per-packet one-way delay: 62.433 ms

Loss rate: 0.00%

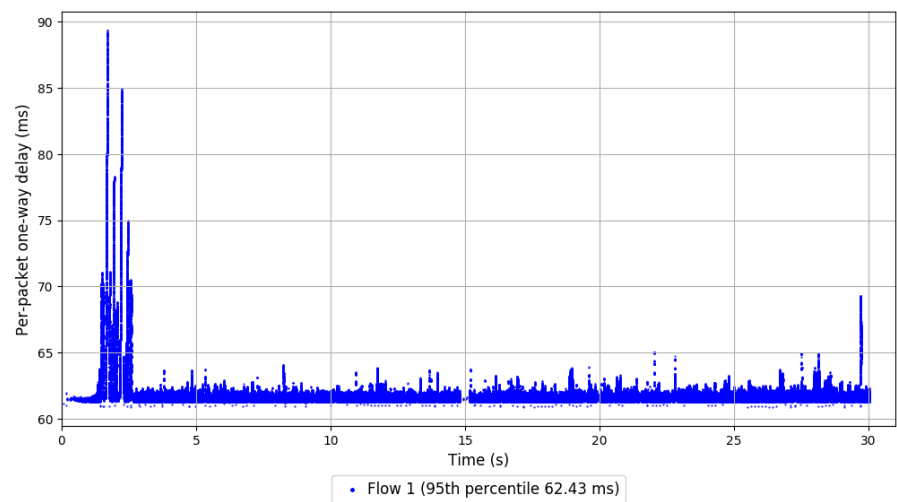
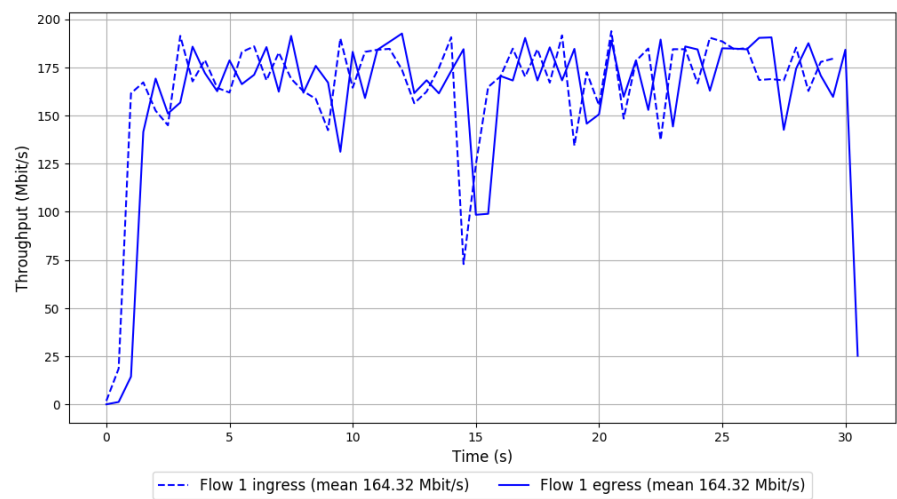
-- Flow 1:

Average throughput: 164.32 Mbit/s

95th percentile per-packet one-way delay: 62.433 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-25 10:03:30

End at: 2018-07-25 10:04:00

Local clock offset: -0.307 ms

Remote clock offset: 0.12 ms

Below is generated by plot.py at 2018-07-25 12:48:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.25 Mbit/s

95th percentile per-packet one-way delay: 64.650 ms

Loss rate: 0.00%

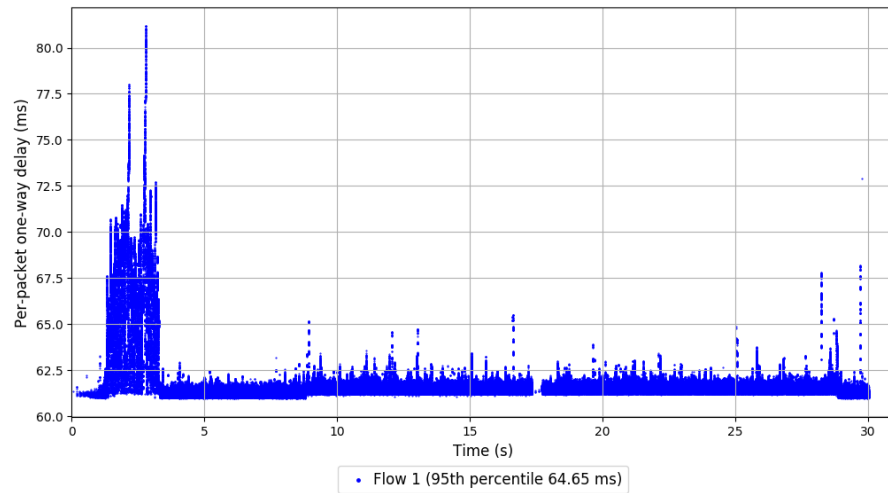
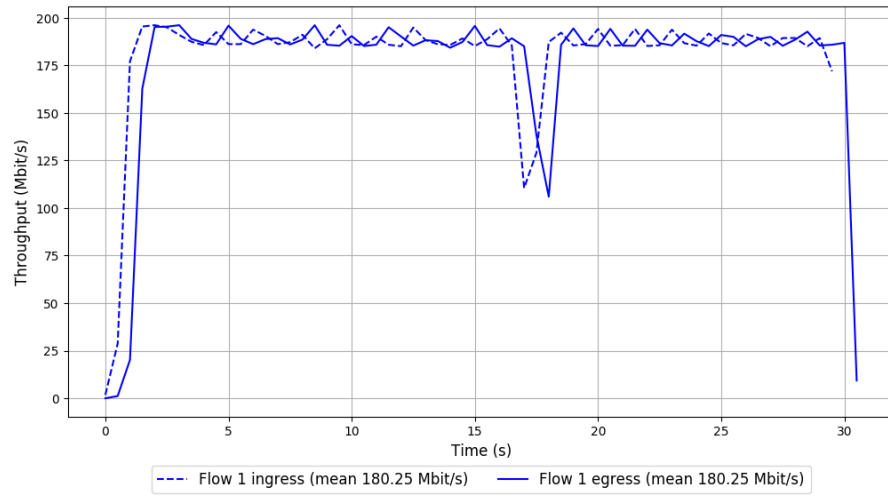
-- Flow 1:

Average throughput: 180.25 Mbit/s

95th percentile per-packet one-way delay: 64.650 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link

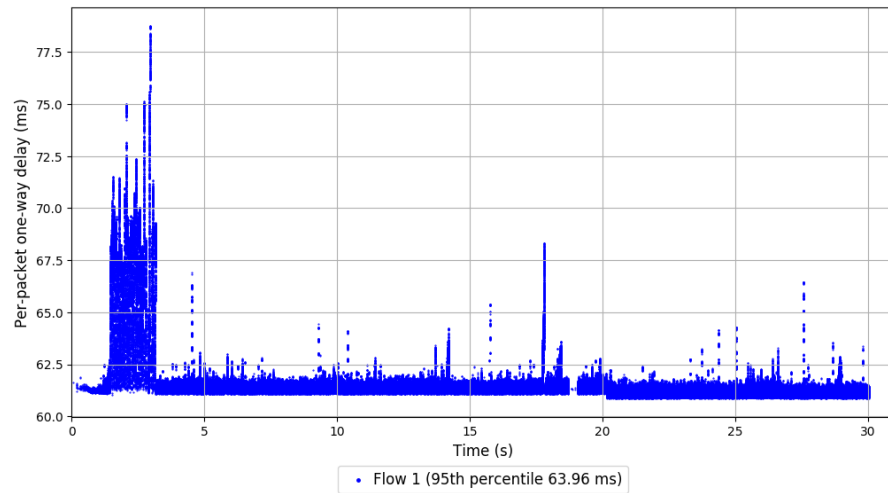
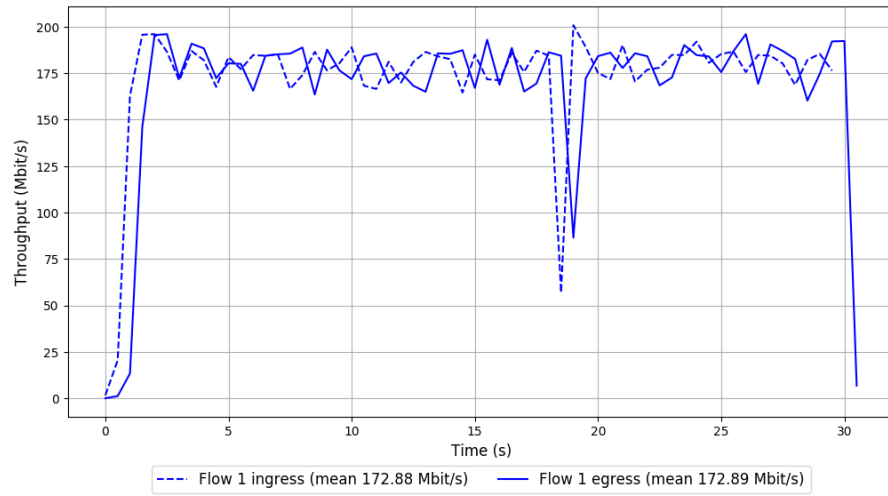


Run 4: Statistics of TCP BBR

Start at: 2018-07-25 10:24:39
End at: 2018-07-25 10:25:09
Local clock offset: 0.019 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-25 12:48:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 172.89 Mbit/s
95th percentile per-packet one-way delay: 63.959 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 172.89 Mbit/s
95th percentile per-packet one-way delay: 63.959 ms
Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-25 10:45:54

End at: 2018-07-25 10:46:24

Local clock offset: 0.101 ms

Remote clock offset: -0.245 ms

Below is generated by plot.py at 2018-07-25 12:48:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.01 Mbit/s

95th percentile per-packet one-way delay: 68.400 ms

Loss rate: 0.00%

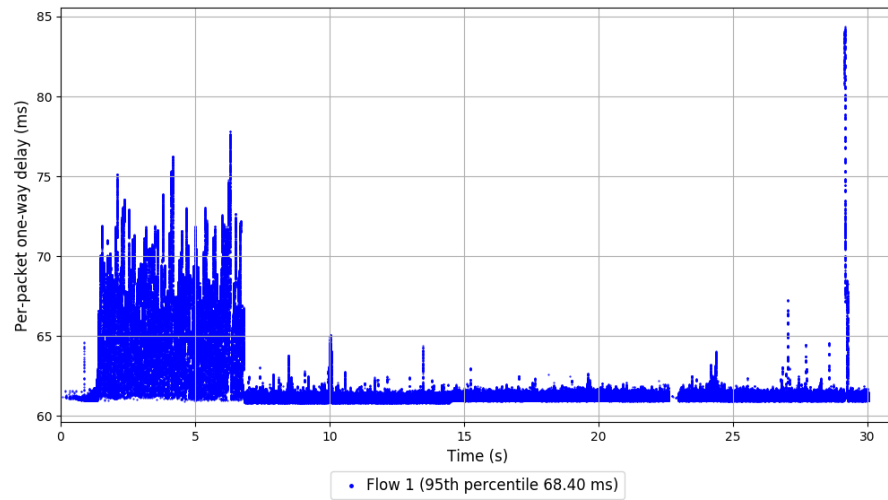
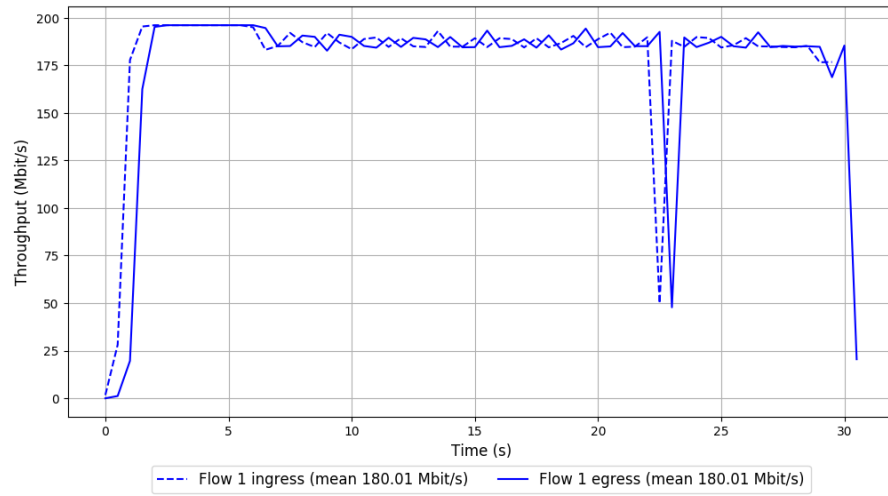
-- Flow 1:

Average throughput: 180.01 Mbit/s

95th percentile per-packet one-way delay: 68.400 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link

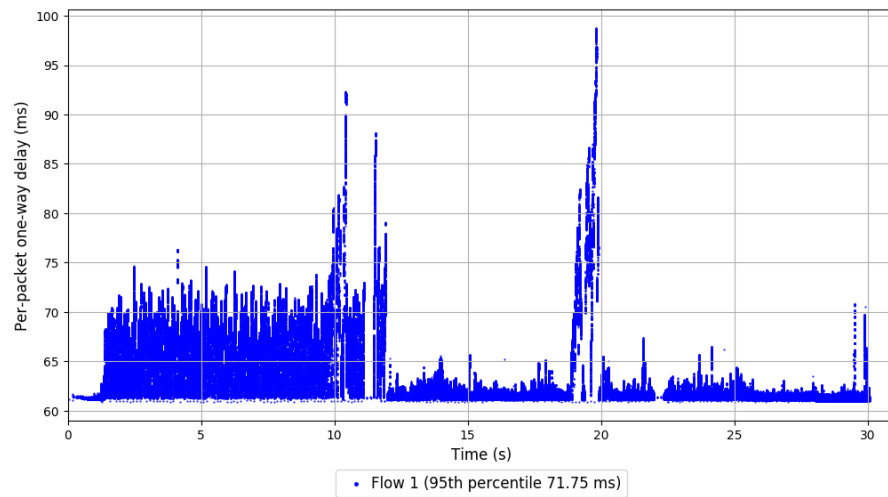
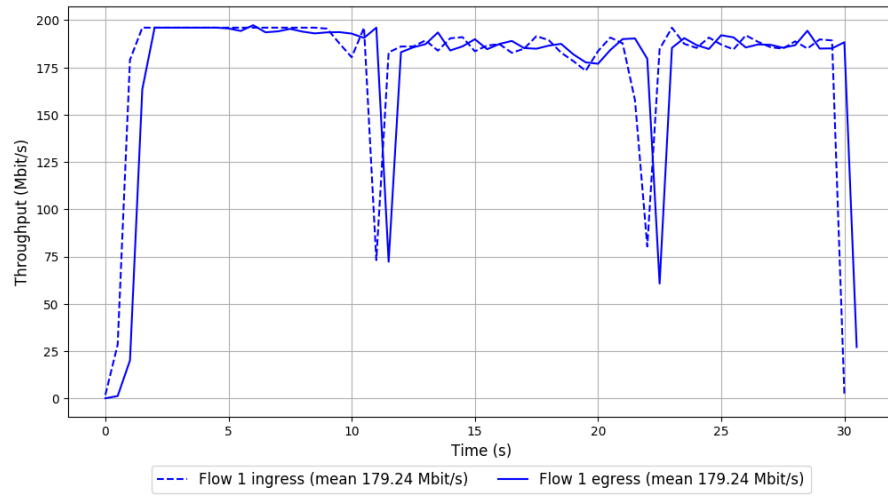


Run 6: Statistics of TCP BBR

Start at: 2018-07-25 11:07:41
End at: 2018-07-25 11:08:11
Local clock offset: 0.188 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-07-25 12:48:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 179.24 Mbit/s
95th percentile per-packet one-way delay: 71.747 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 179.24 Mbit/s
95th percentile per-packet one-way delay: 71.747 ms
Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

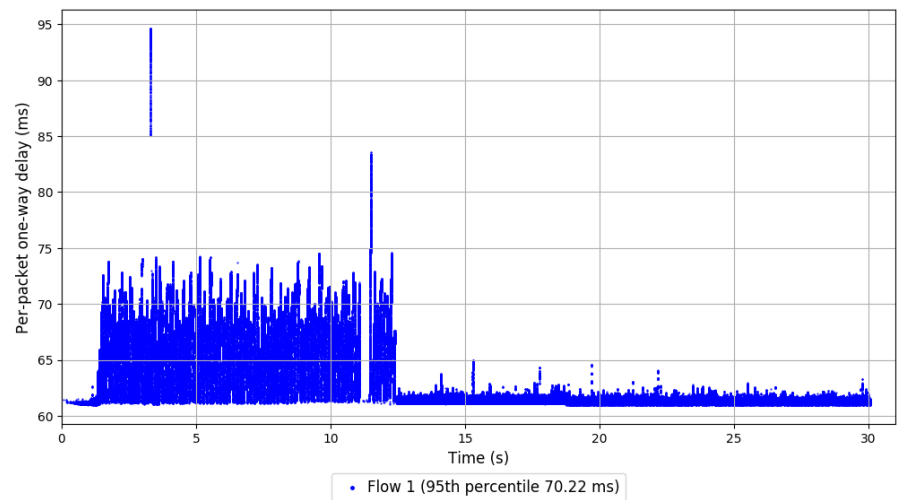
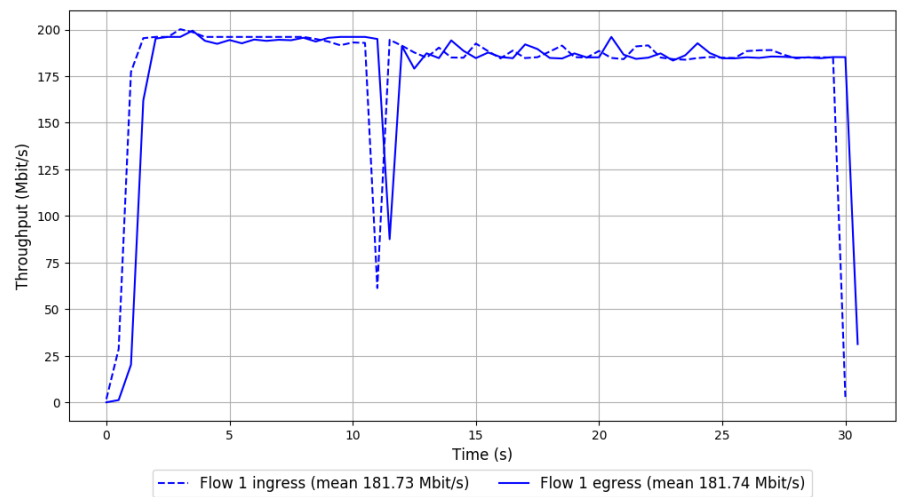


Run 7: Statistics of TCP BBR

Start at: 2018-07-25 11:29:20
End at: 2018-07-25 11:29:50
Local clock offset: 0.131 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-07-25 12:48:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.74 Mbit/s
95th percentile per-packet one-way delay: 70.215 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 181.74 Mbit/s
95th percentile per-packet one-way delay: 70.215 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-25 11:50:53

End at: 2018-07-25 11:51:23

Local clock offset: 0.086 ms

Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-25 12:48:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.06 Mbit/s

95th percentile per-packet one-way delay: 67.186 ms

Loss rate: 0.00%

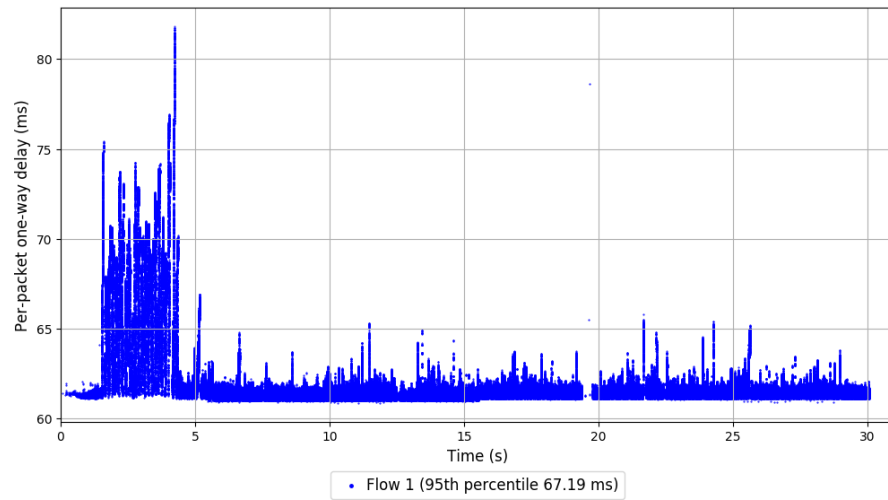
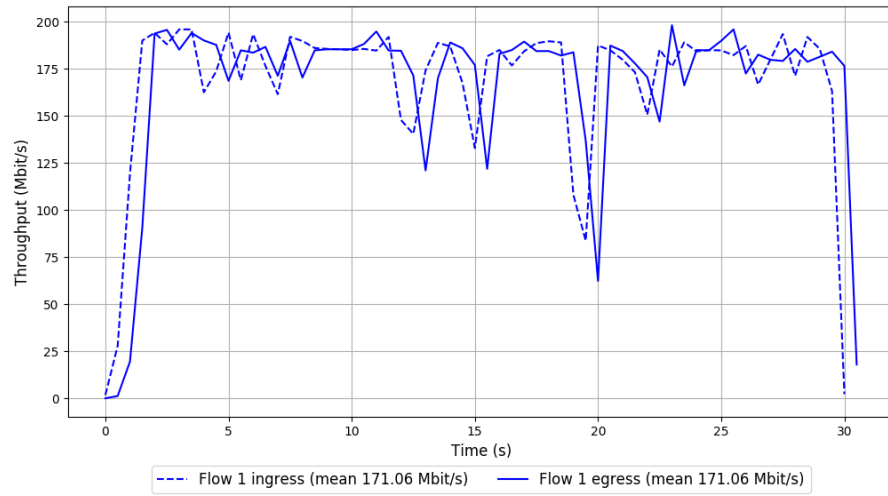
-- Flow 1:

Average throughput: 171.06 Mbit/s

95th percentile per-packet one-way delay: 67.186 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

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

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

Local clock offset: -0.137 ms

Remote clock offset: 0.212 ms

Below is generated by plot.py at 2018-07-25 12:51:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.55 Mbit/s

95th percentile per-packet one-way delay: 68.850 ms

Loss rate: 0.00%

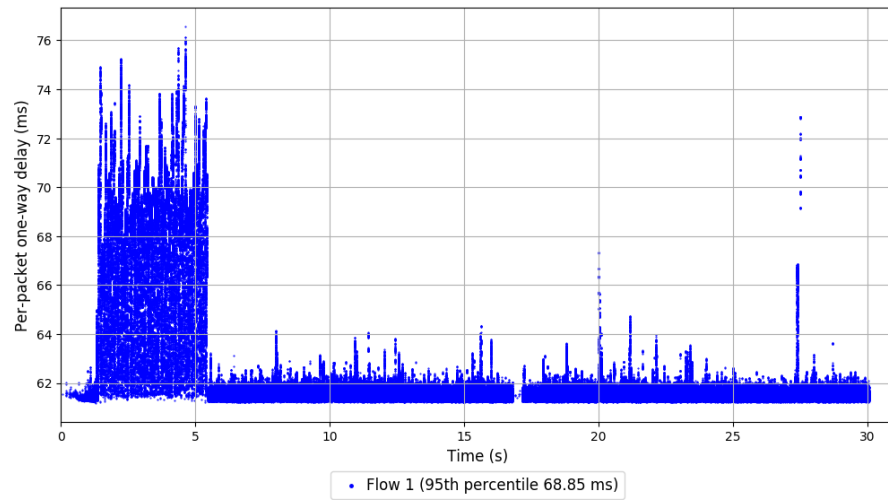
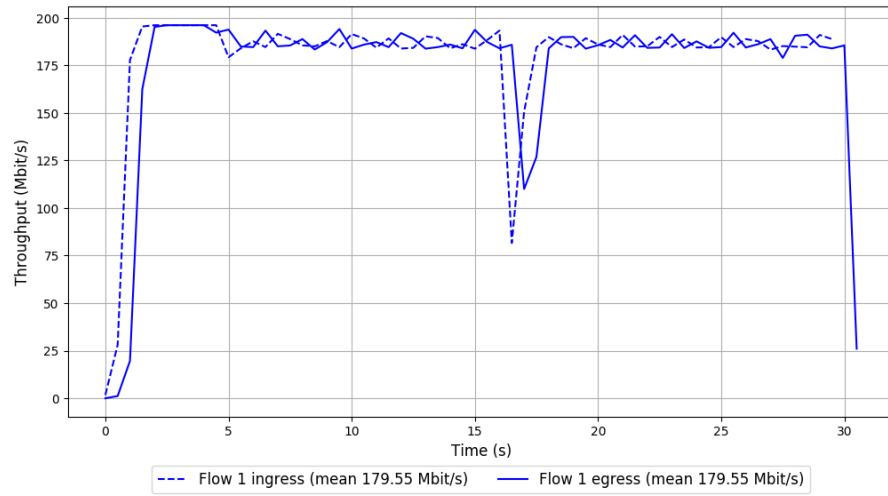
-- Flow 1:

Average throughput: 179.55 Mbit/s

95th percentile per-packet one-way delay: 68.850 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

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

End at: 2018-07-25 12:34:42

Local clock offset: -0.073 ms

Remote clock offset: 0.312 ms

Below is generated by plot.py at 2018-07-25 12:51:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 177.53 Mbit/s

95th percentile per-packet one-way delay: 68.926 ms

Loss rate: 0.00%

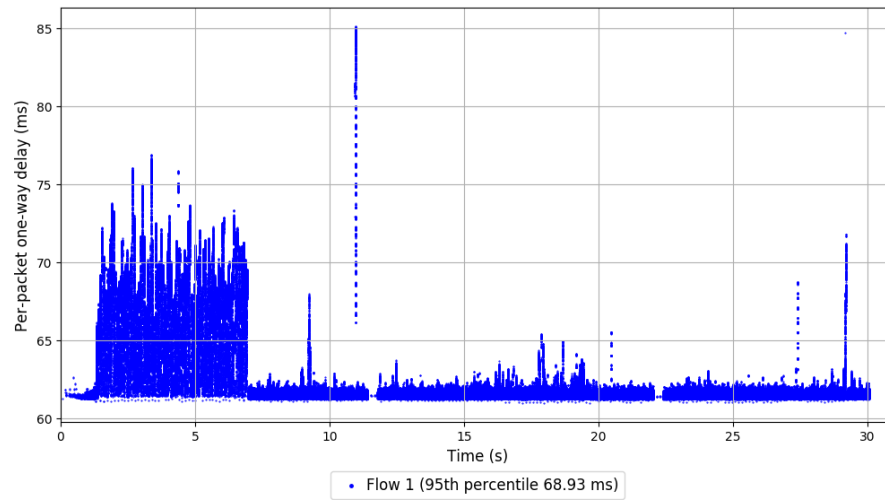
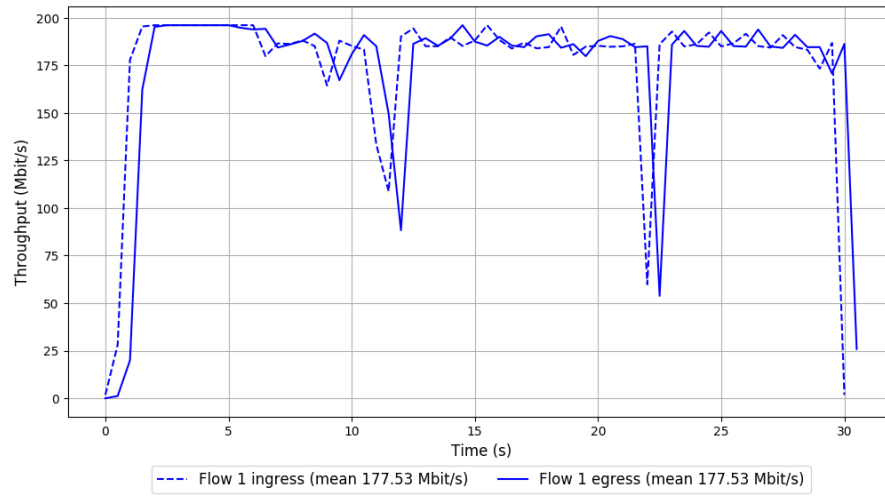
-- Flow 1:

Average throughput: 177.53 Mbit/s

95th percentile per-packet one-way delay: 68.926 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

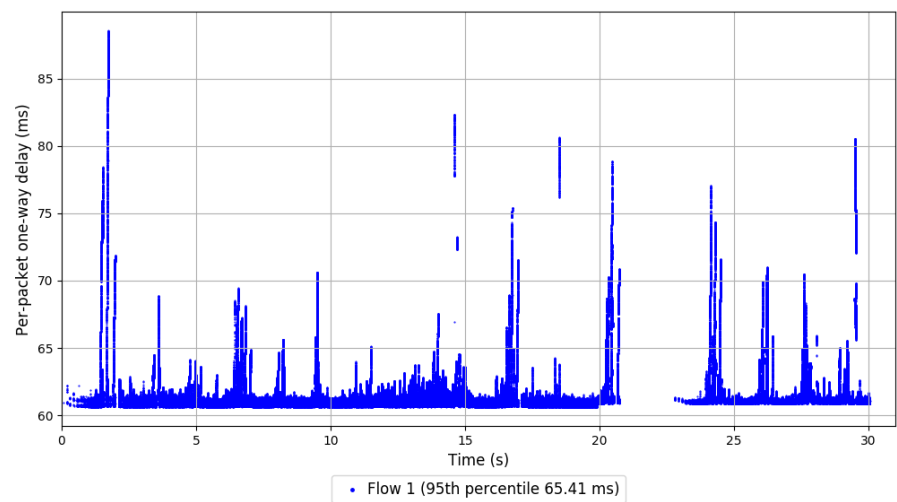
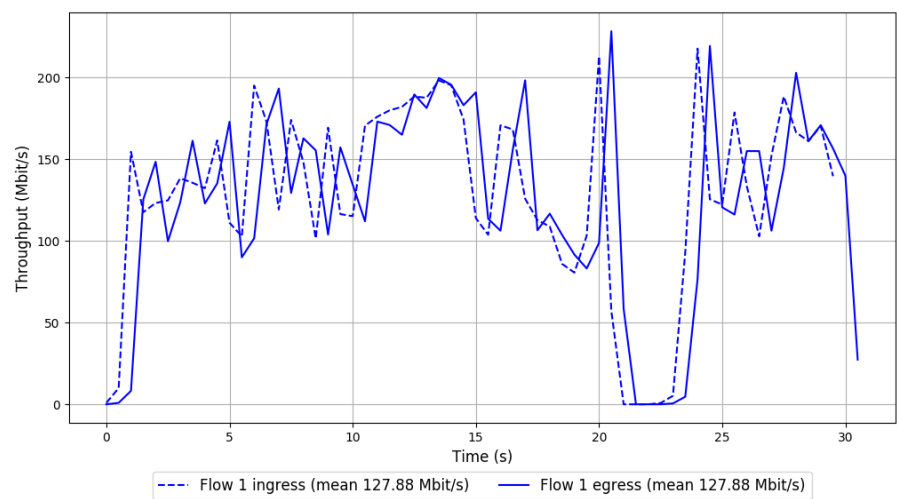


Run 1: Statistics of Copa

Start at: 2018-07-25 09:09:09
End at: 2018-07-25 09:09:39
Local clock offset: -0.248 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-25 12:52:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 127.88 Mbit/s
95th percentile per-packet one-way delay: 65.409 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 127.88 Mbit/s
95th percentile per-packet one-way delay: 65.409 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-25 09:30:27

End at: 2018-07-25 09:30:57

Local clock offset: -0.26 ms

Remote clock offset: 0.096 ms

Below is generated by plot.py at 2018-07-25 12:52:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.29 Mbit/s

95th percentile per-packet one-way delay: 65.747 ms

Loss rate: 0.00%

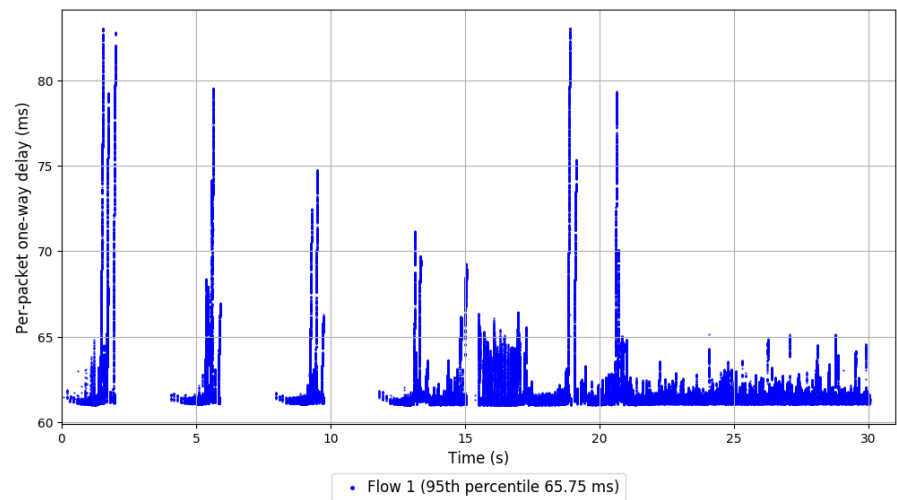
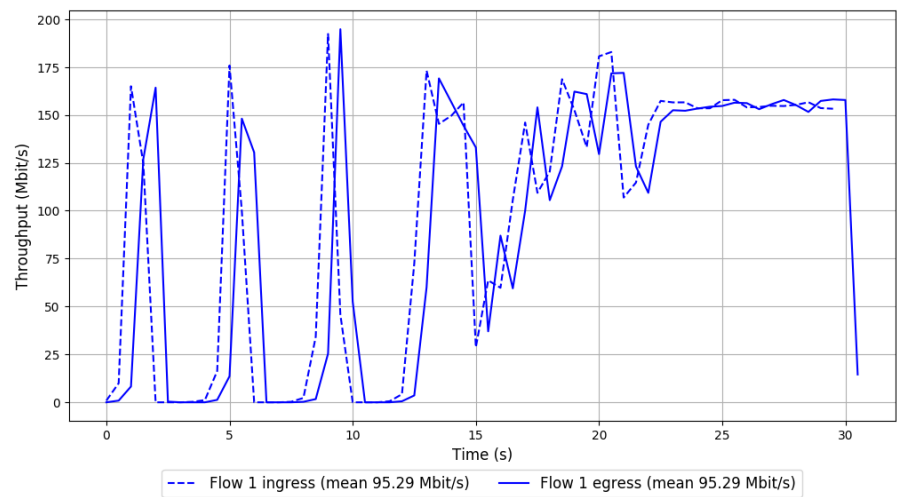
-- Flow 1:

Average throughput: 95.29 Mbit/s

95th percentile per-packet one-way delay: 65.747 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link

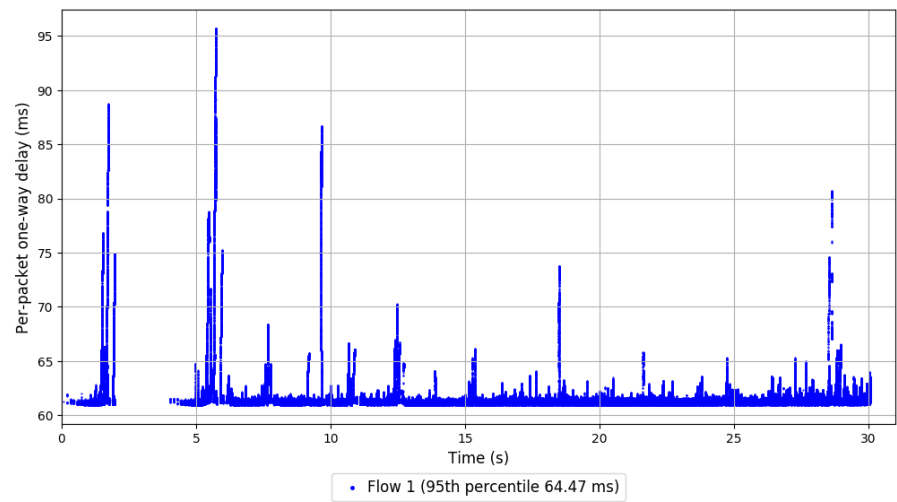
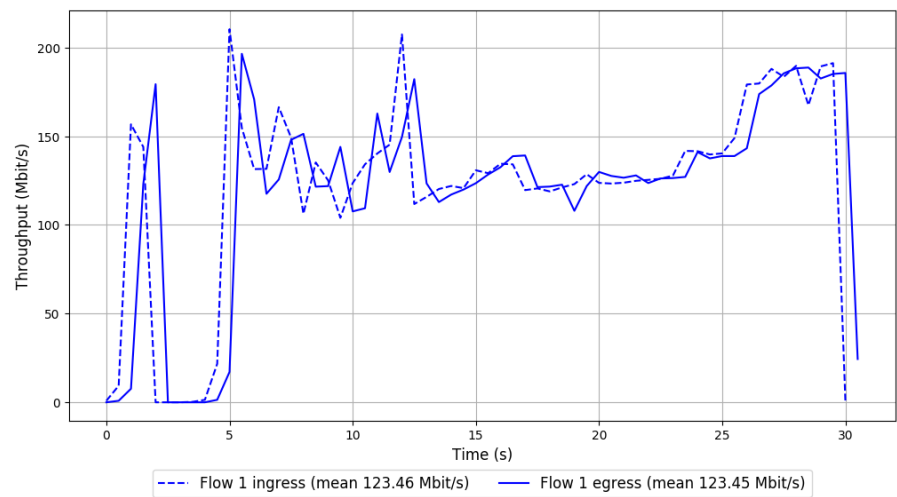


Run 3: Statistics of Copa

Start at: 2018-07-25 09:52:14
End at: 2018-07-25 09:52:44
Local clock offset: -0.262 ms
Remote clock offset: 0.098 ms

Below is generated by plot.py at 2018-07-25 12:52:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 123.45 Mbit/s
95th percentile per-packet one-way delay: 64.472 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 123.45 Mbit/s
95th percentile per-packet one-way delay: 64.472 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-25 10:13:38

End at: 2018-07-25 10:14:08

Local clock offset: -0.129 ms

Remote clock offset: 0.275 ms

Below is generated by plot.py at 2018-07-25 12:52:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.82 Mbit/s

95th percentile per-packet one-way delay: 64.763 ms

Loss rate: 0.00%

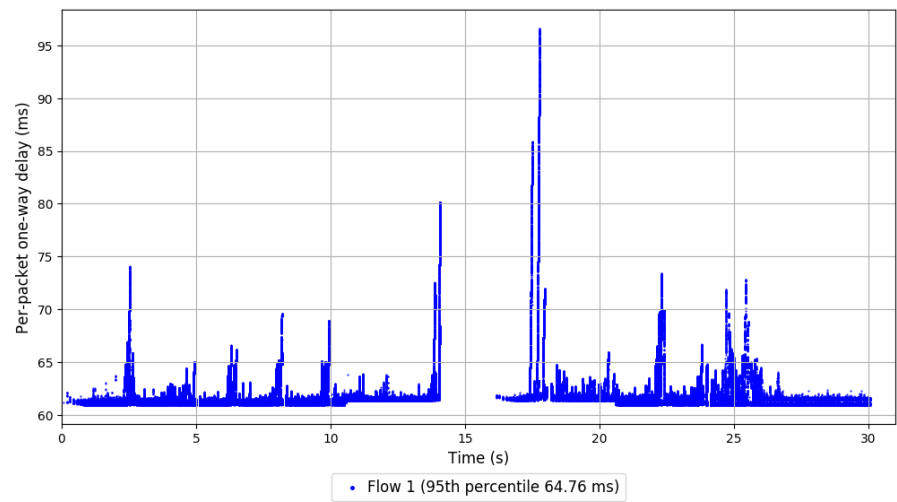
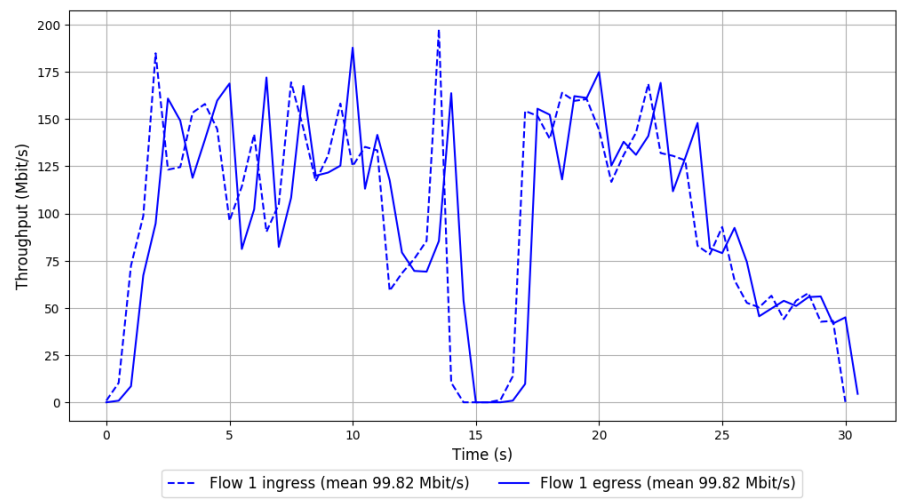
-- Flow 1:

Average throughput: 99.82 Mbit/s

95th percentile per-packet one-way delay: 64.763 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link

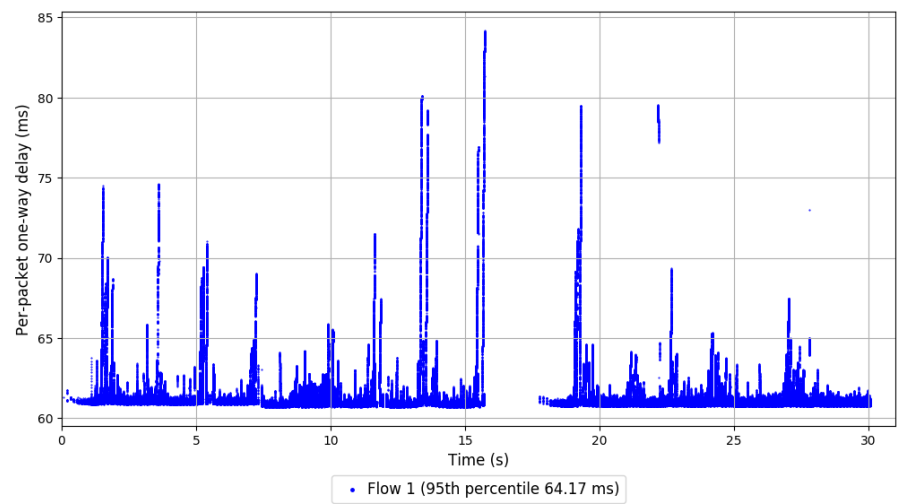
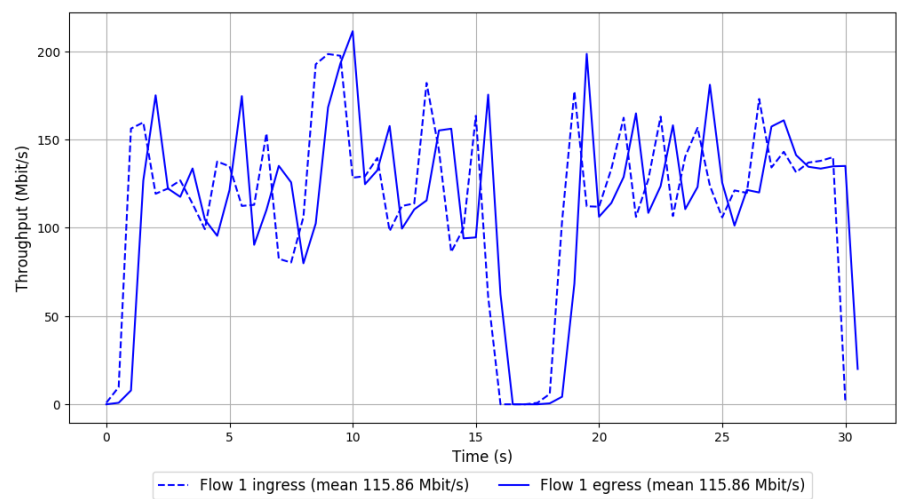


Run 5: Statistics of Copa

Start at: 2018-07-25 10:35:01
End at: 2018-07-25 10:35:31
Local clock offset: 0.057 ms
Remote clock offset: -0.228 ms

Below is generated by plot.py at 2018-07-25 12:52:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 115.86 Mbit/s
95th percentile per-packet one-way delay: 64.169 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 115.86 Mbit/s
95th percentile per-packet one-way delay: 64.169 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-25 10:56:31

End at: 2018-07-25 10:57:01

Local clock offset: 0.093 ms

Remote clock offset: 0.115 ms

Below is generated by plot.py at 2018-07-25 12:52:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 118.94 Mbit/s

95th percentile per-packet one-way delay: 65.212 ms

Loss rate: 0.00%

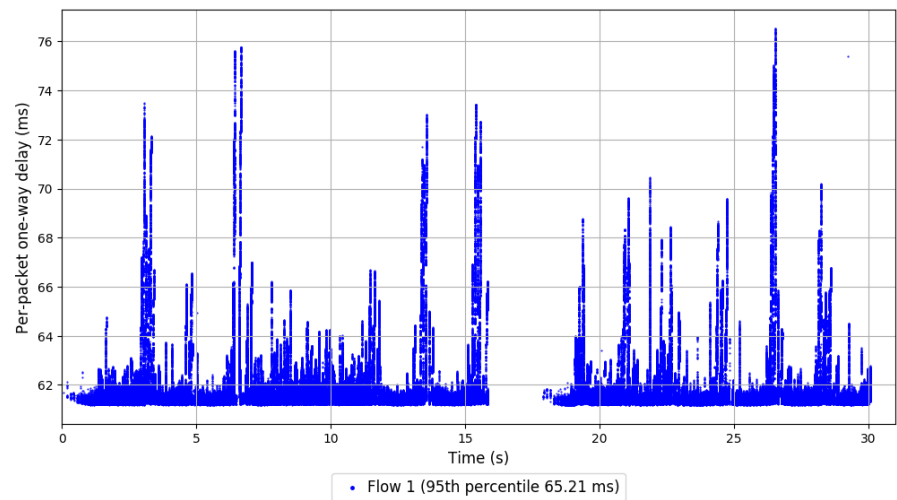
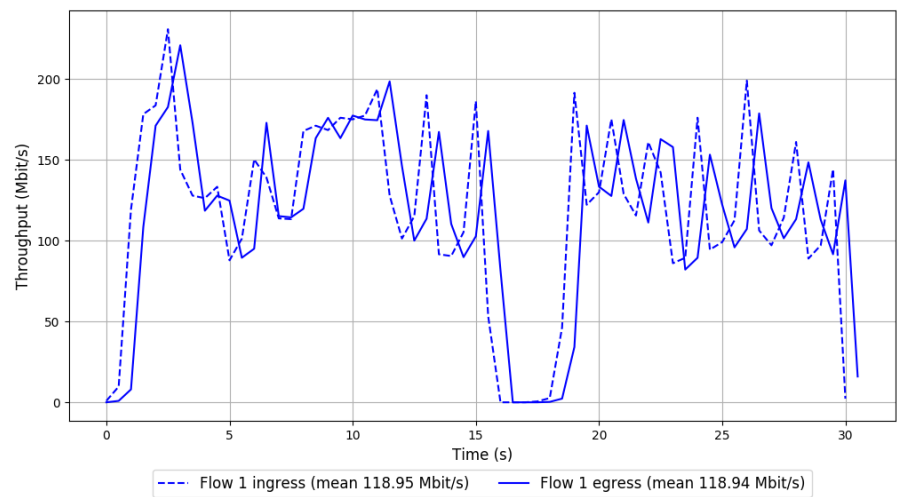
-- Flow 1:

Average throughput: 118.94 Mbit/s

95th percentile per-packet one-way delay: 65.212 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link

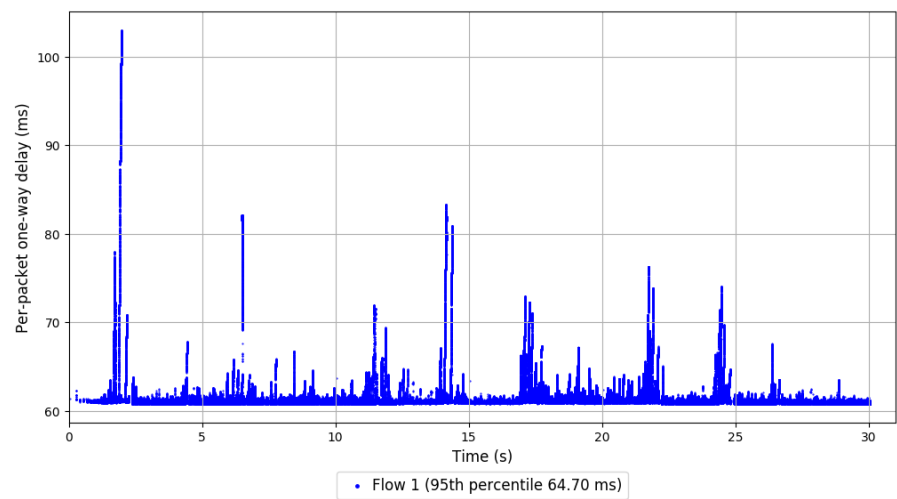
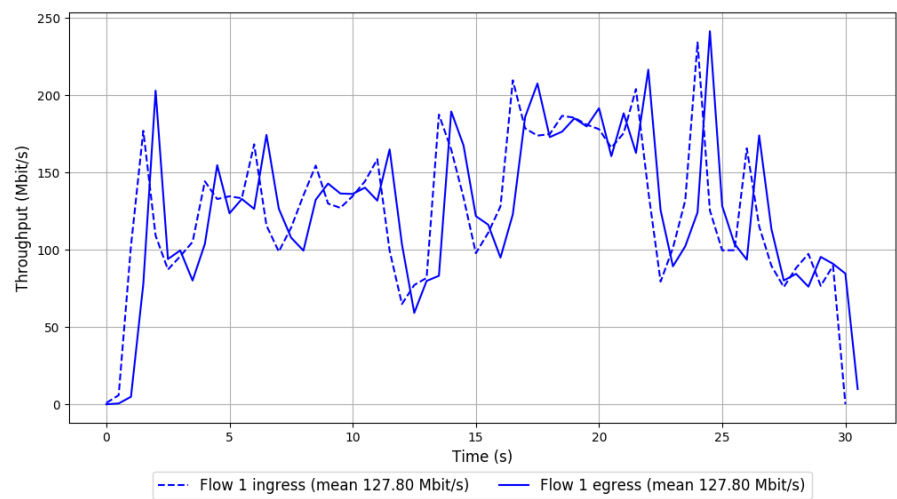


Run 7: Statistics of Copa

Start at: 2018-07-25 11:18:17
End at: 2018-07-25 11:18:47
Local clock offset: 0.175 ms
Remote clock offset: -0.246 ms

Below is generated by plot.py at 2018-07-25 12:55:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 127.80 Mbit/s
95th percentile per-packet one-way delay: 64.696 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 127.80 Mbit/s
95th percentile per-packet one-way delay: 64.696 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

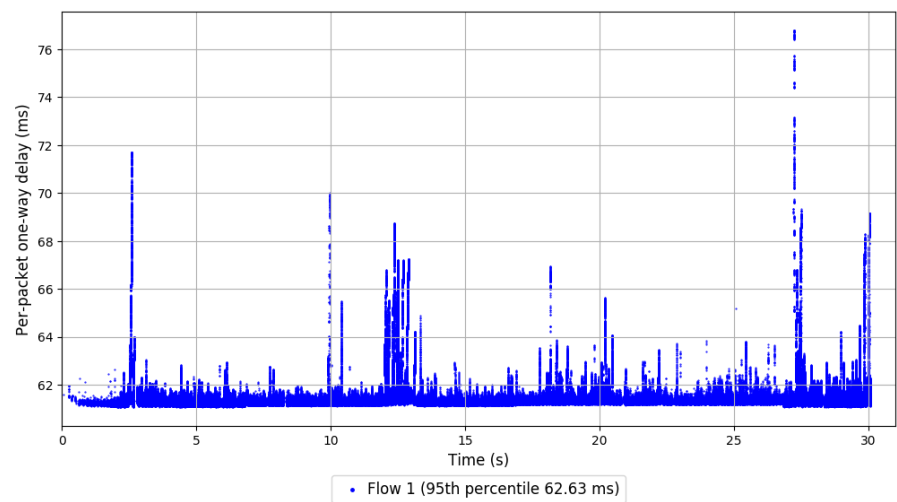
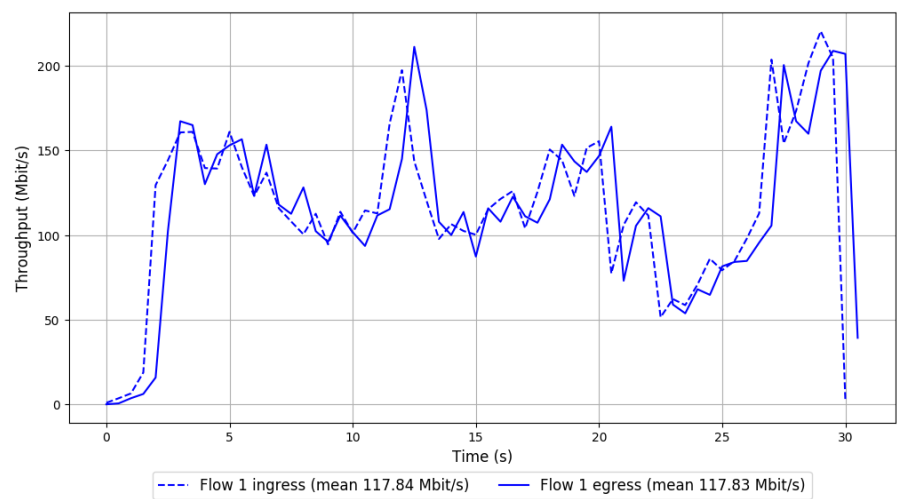


Run 8: Statistics of Copa

Start at: 2018-07-25 11:39:42
End at: 2018-07-25 11:40:12
Local clock offset: 0.143 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-25 12:55:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 117.83 Mbit/s
95th percentile per-packet one-way delay: 62.626 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 117.83 Mbit/s
95th percentile per-packet one-way delay: 62.626 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-25 12:01:20

End at: 2018-07-25 12:01:50

Local clock offset: -0.044 ms

Remote clock offset: 0.082 ms

Below is generated by plot.py at 2018-07-25 12:55:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 112.63 Mbit/s

95th percentile per-packet one-way delay: 62.675 ms

Loss rate: 0.00%

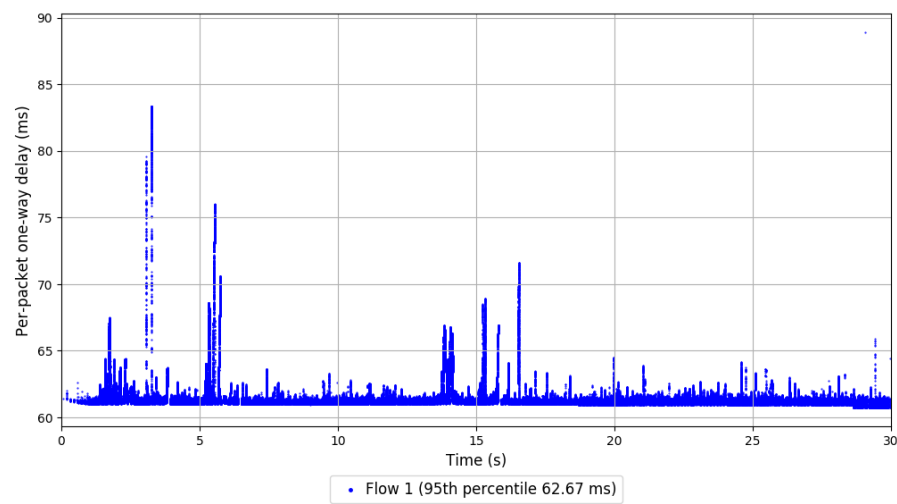
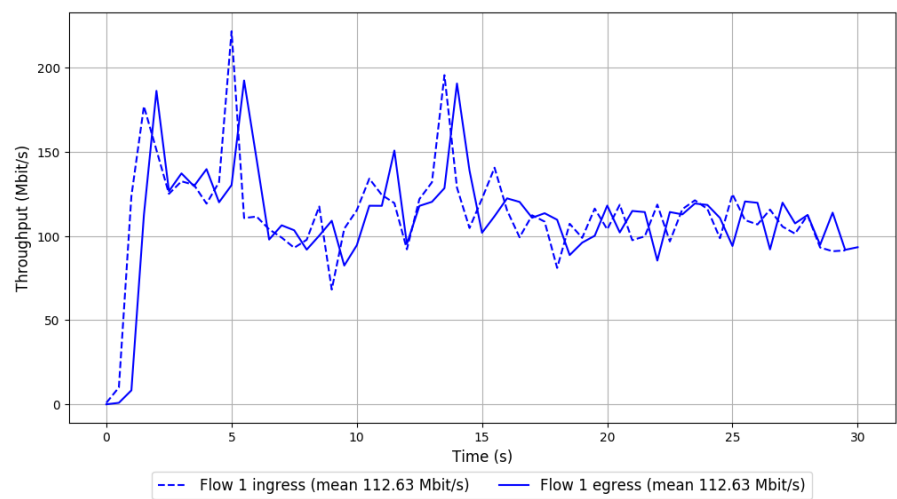
-- Flow 1:

Average throughput: 112.63 Mbit/s

95th percentile per-packet one-way delay: 62.675 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-25 12:23:04

End at: 2018-07-25 12:23:34

Local clock offset: -0.146 ms

Remote clock offset: 0.219 ms

Below is generated by plot.py at 2018-07-25 12:55:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 104.30 Mbit/s

95th percentile per-packet one-way delay: 63.448 ms

Loss rate: 0.07%

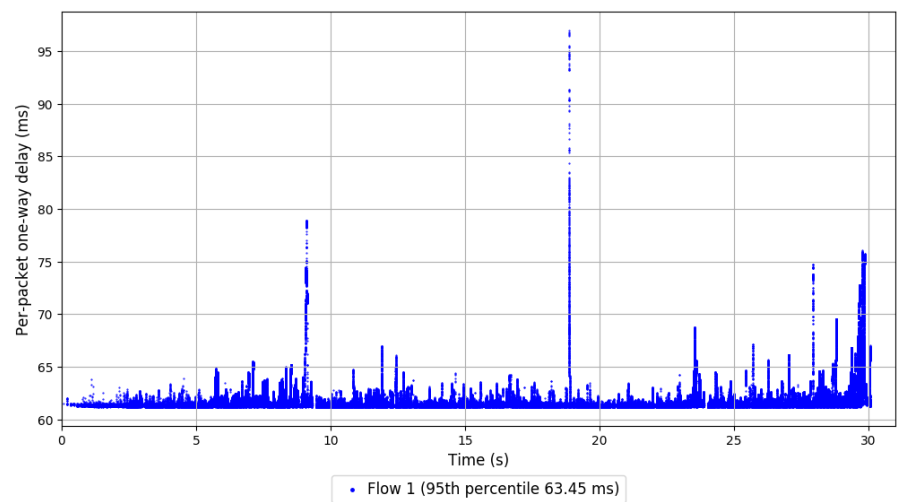
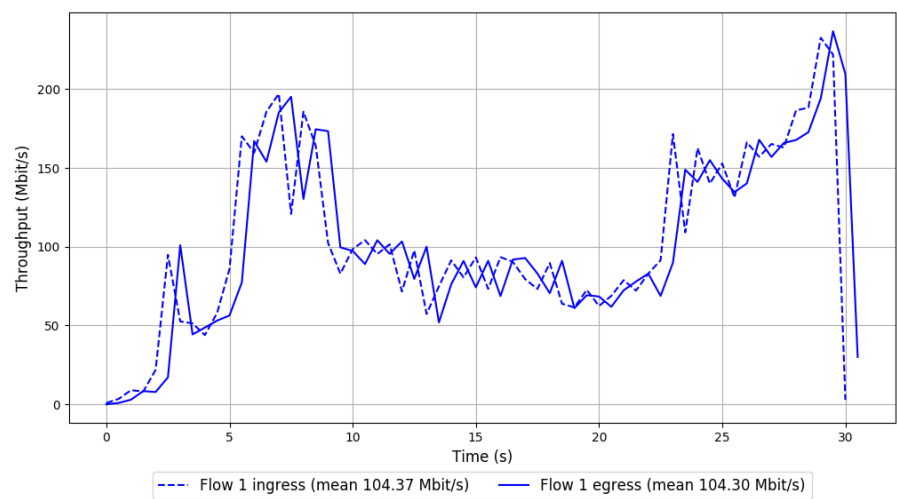
-- Flow 1:

Average throughput: 104.30 Mbit/s

95th percentile per-packet one-way delay: 63.448 ms

Loss rate: 0.07%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-25 09:01:21

End at: 2018-07-25 09:01:51

Local clock offset: -0.26 ms

Remote clock offset: 0.267 ms

Below is generated by plot.py at 2018-07-25 12:55:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 143.15 Mbit/s

95th percentile per-packet one-way delay: 72.200 ms

Loss rate: 0.01%

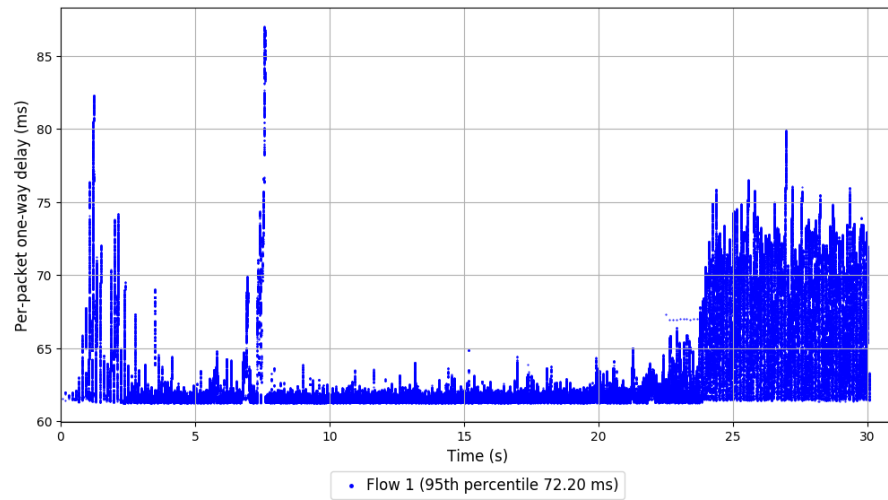
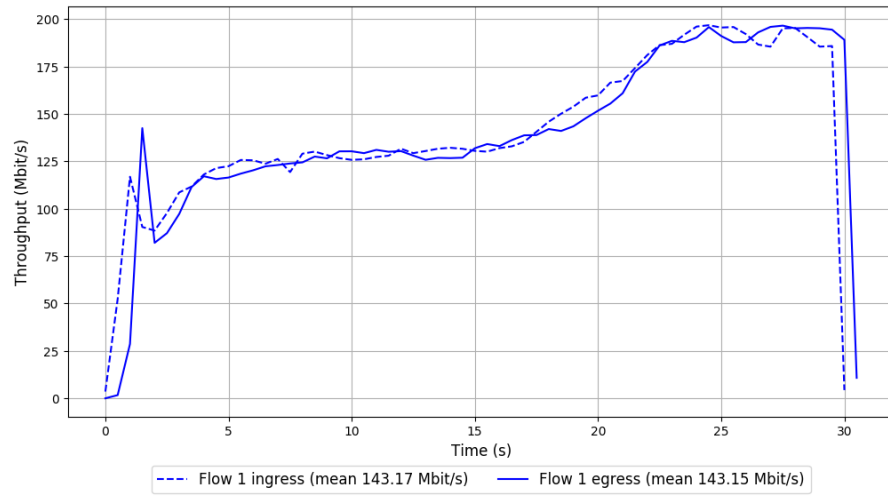
-- Flow 1:

Average throughput: 143.15 Mbit/s

95th percentile per-packet one-way delay: 72.200 ms

Loss rate: 0.01%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-25 09:22:46

End at: 2018-07-25 09:23:16

Local clock offset: -0.261 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-25 12:56:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.12 Mbit/s

95th percentile per-packet one-way delay: 72.771 ms

Loss rate: 0.03%

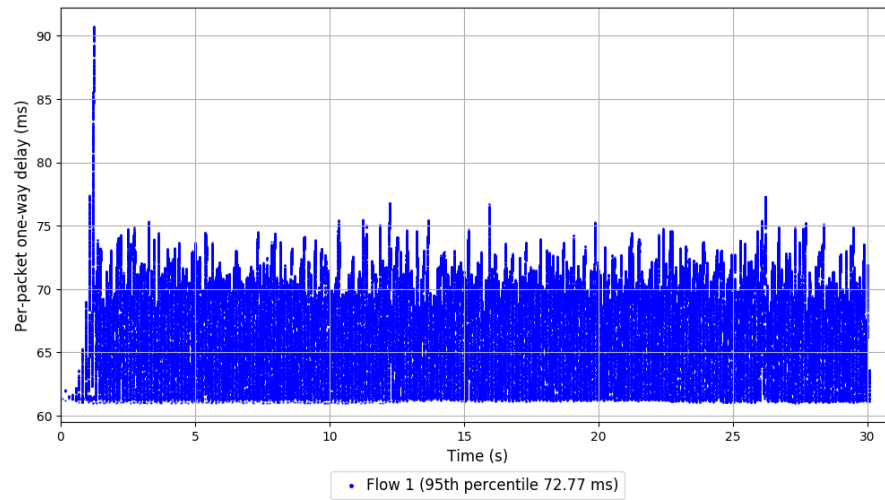
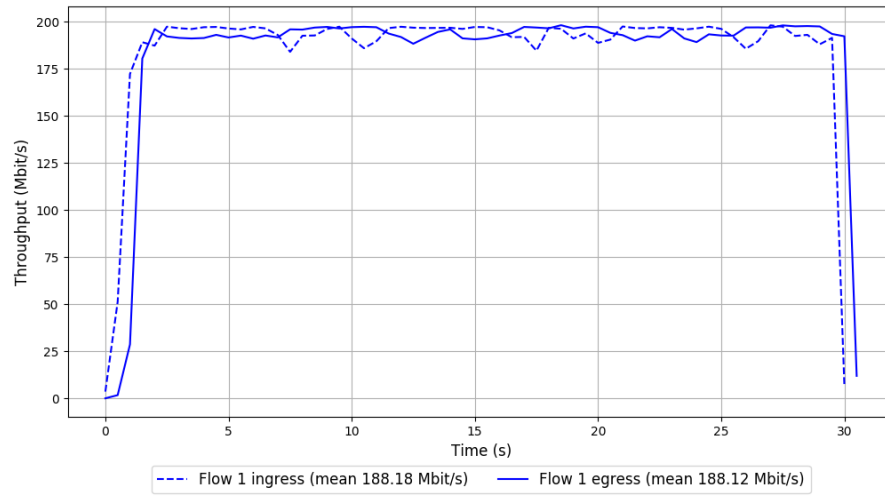
-- Flow 1:

Average throughput: 188.12 Mbit/s

95th percentile per-packet one-way delay: 72.771 ms

Loss rate: 0.03%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-25 09:44:11

End at: 2018-07-25 09:44:41

Local clock offset: -0.286 ms

Remote clock offset: 0.219 ms

Below is generated by plot.py at 2018-07-25 12:56:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 149.59 Mbit/s

95th percentile per-packet one-way delay: 72.302 ms

Loss rate: 0.00%

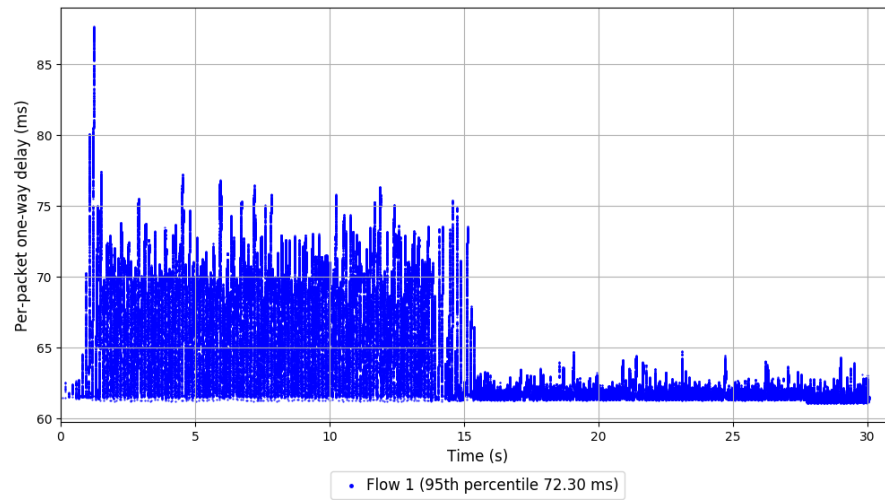
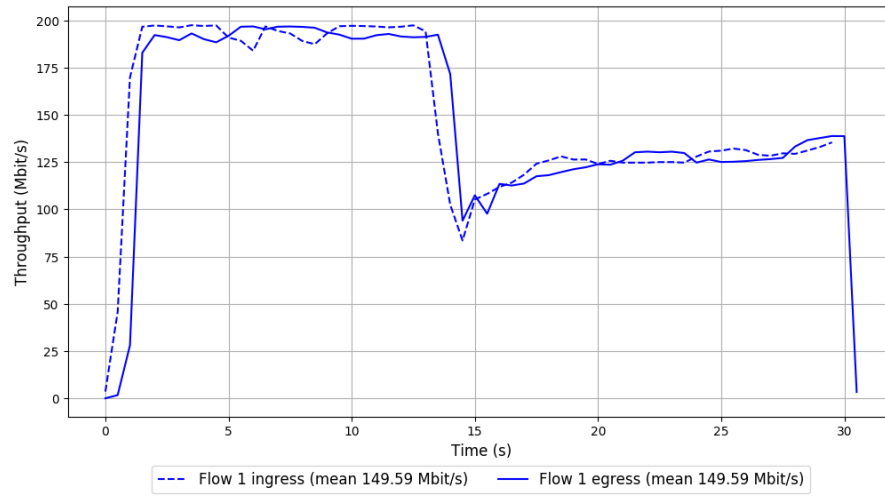
-- Flow 1:

Average throughput: 149.59 Mbit/s

95th percentile per-packet one-way delay: 72.302 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

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

End at: 2018-07-25 10:06:36

Local clock offset: -0.312 ms

Remote clock offset: 0.335 ms

Below is generated by plot.py at 2018-07-25 12:56:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 185.19 Mbit/s

95th percentile per-packet one-way delay: 73.607 ms

Loss rate: 0.00%

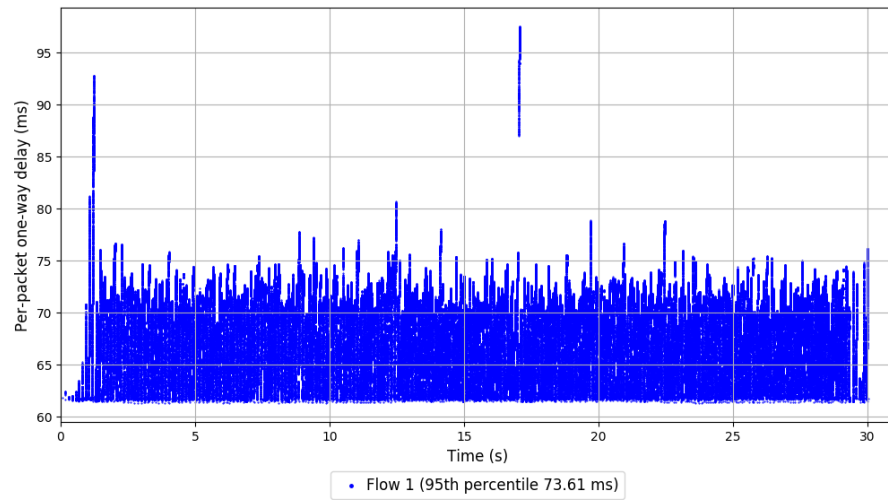
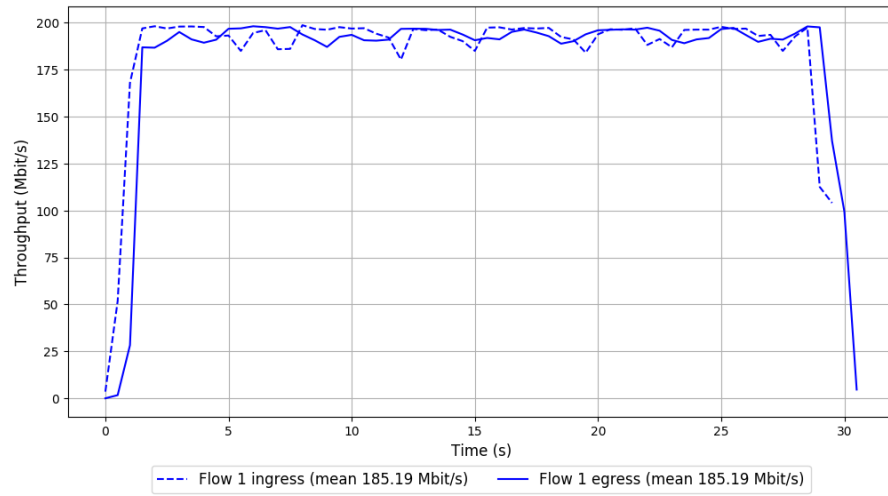
-- Flow 1:

Average throughput: 185.19 Mbit/s

95th percentile per-packet one-way delay: 73.607 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-25 10:27:13

End at: 2018-07-25 10:27:43

Local clock offset: 0.007 ms

Remote clock offset: 0.13 ms

Below is generated by plot.py at 2018-07-25 12:58:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.63 Mbit/s

95th percentile per-packet one-way delay: 72.504 ms

Loss rate: 0.03%

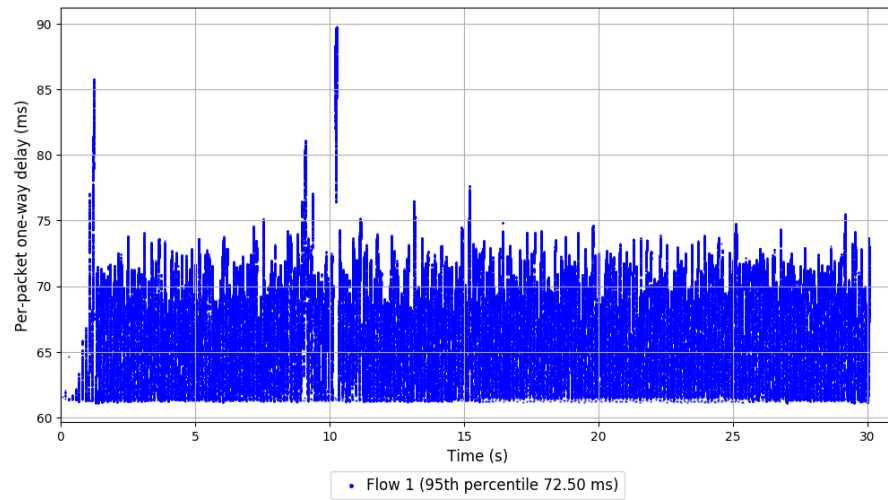
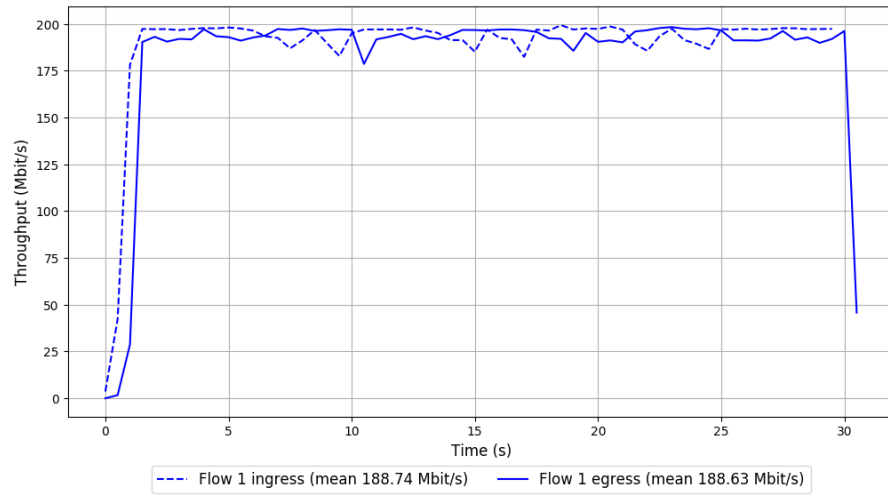
-- Flow 1:

Average throughput: 188.63 Mbit/s

95th percentile per-packet one-way delay: 72.504 ms

Loss rate: 0.03%

Run 5: Report of TCP Cubic — Data Link

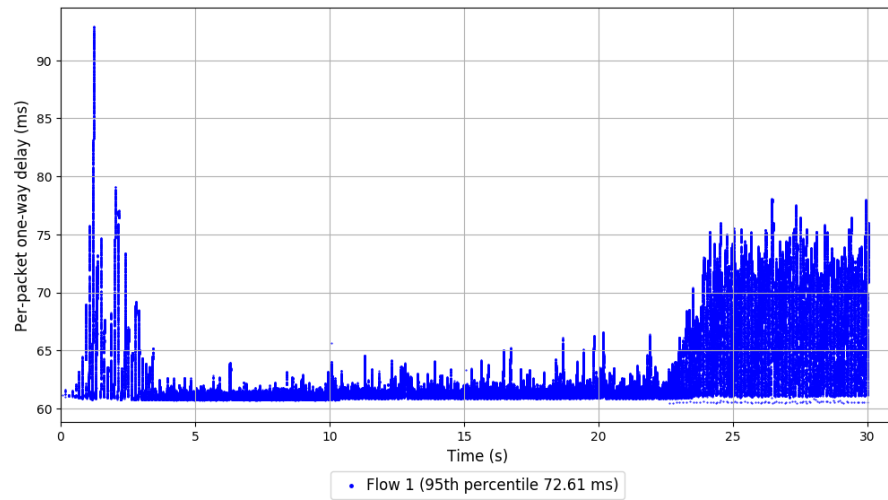
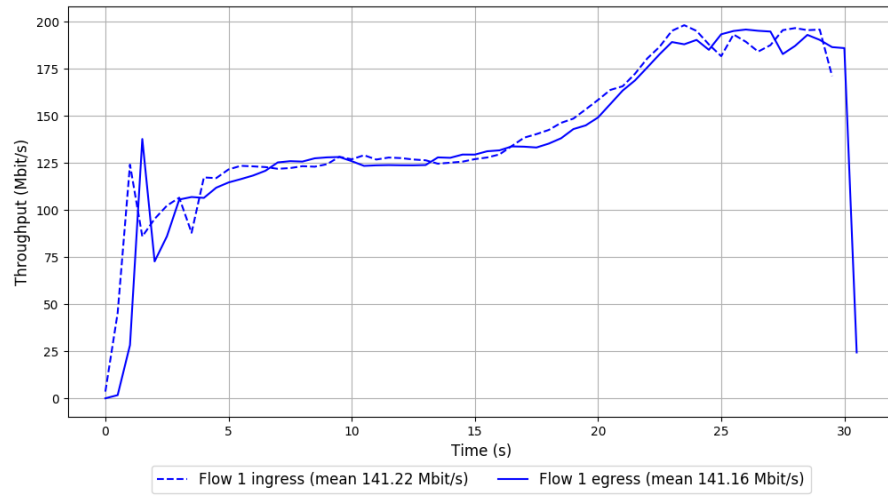


Run 6: Statistics of TCP Cubic

Start at: 2018-07-25 10:48:28
End at: 2018-07-25 10:48:58
Local clock offset: 0.148 ms
Remote clock offset: -0.284 ms

Below is generated by plot.py at 2018-07-25 12:58:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 141.16 Mbit/s
95th percentile per-packet one-way delay: 72.611 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 141.16 Mbit/s
95th percentile per-packet one-way delay: 72.611 ms
Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

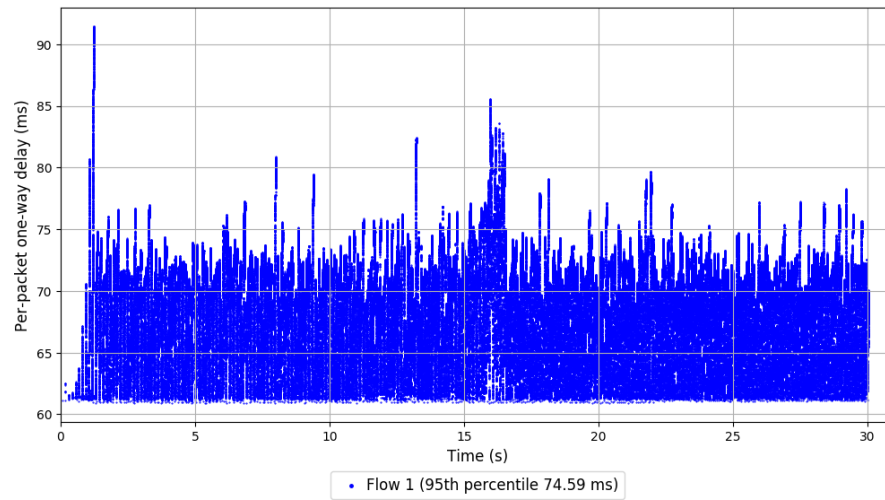
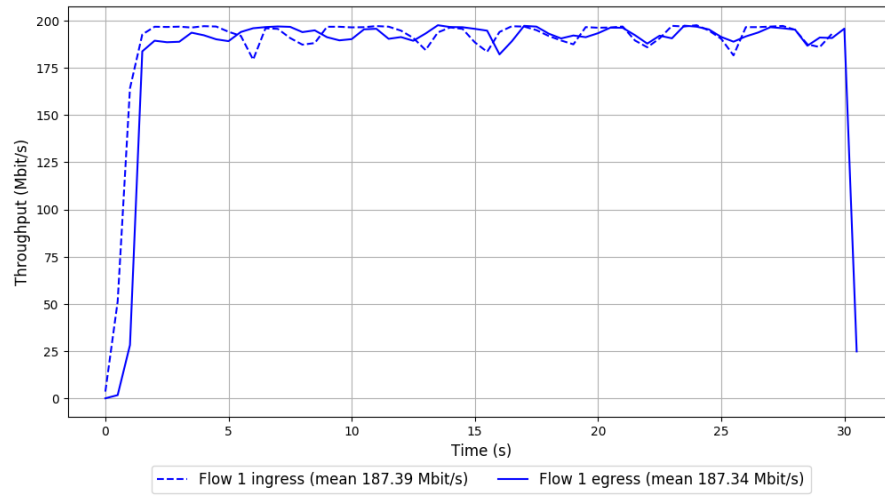


Run 7: Statistics of TCP Cubic

Start at: 2018-07-25 11:10:17
End at: 2018-07-25 11:10:47
Local clock offset: 0.22 ms
Remote clock offset: -0.177 ms

Below is generated by plot.py at 2018-07-25 12:58:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.34 Mbit/s
95th percentile per-packet one-way delay: 74.592 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 187.34 Mbit/s
95th percentile per-packet one-way delay: 74.592 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link

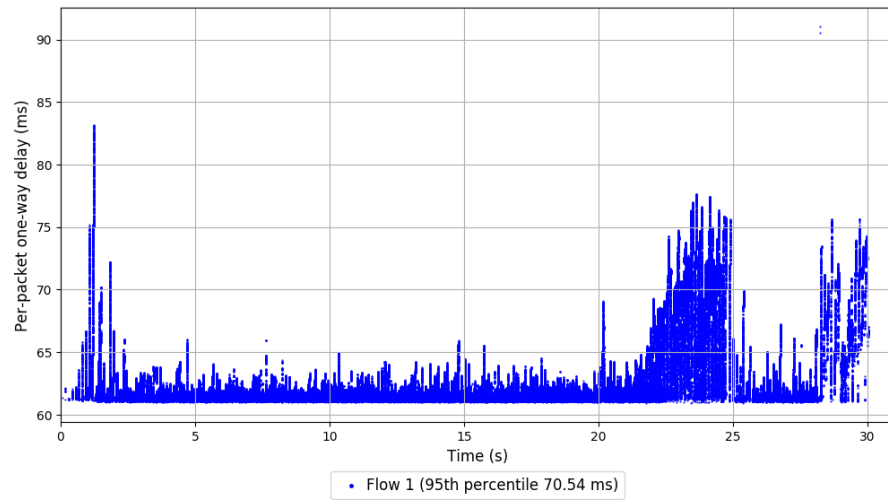
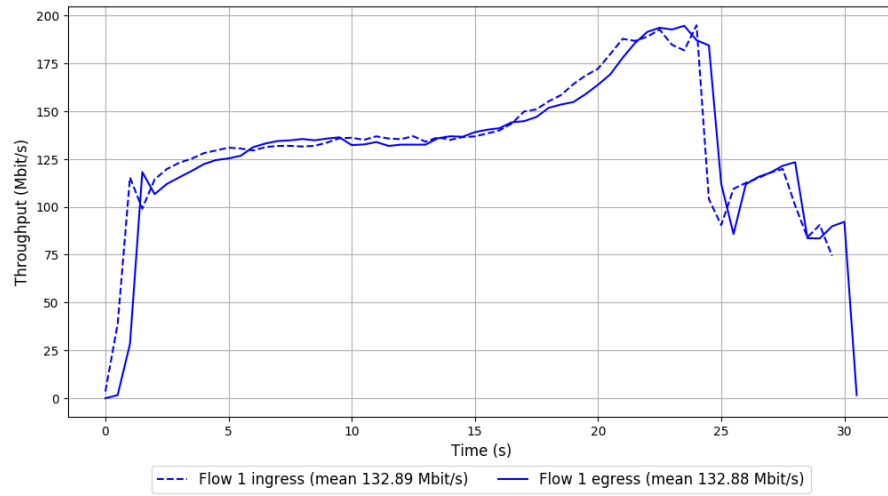


Run 8: Statistics of TCP Cubic

Start at: 2018-07-25 11:31:54
End at: 2018-07-25 11:32:24
Local clock offset: 0.151 ms
Remote clock offset: -0.206 ms

Below is generated by plot.py at 2018-07-25 12:58:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.88 Mbit/s
95th percentile per-packet one-way delay: 70.540 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.88 Mbit/s
95th percentile per-packet one-way delay: 70.540 ms
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link

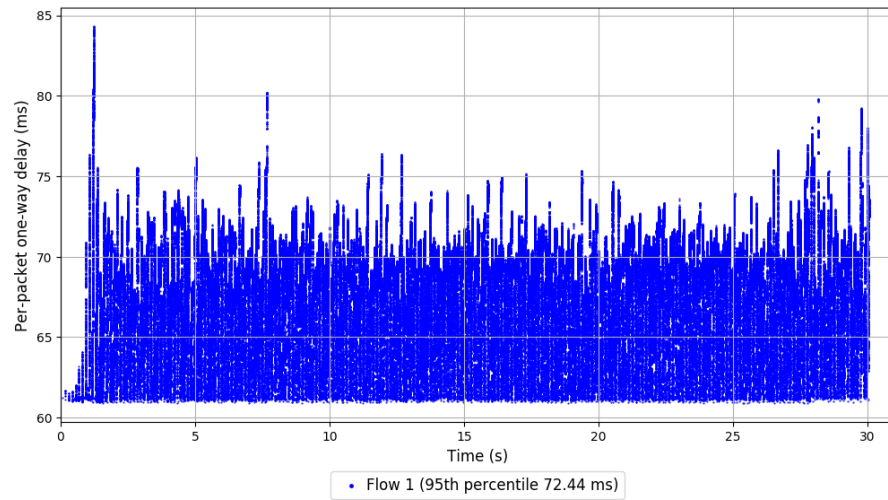
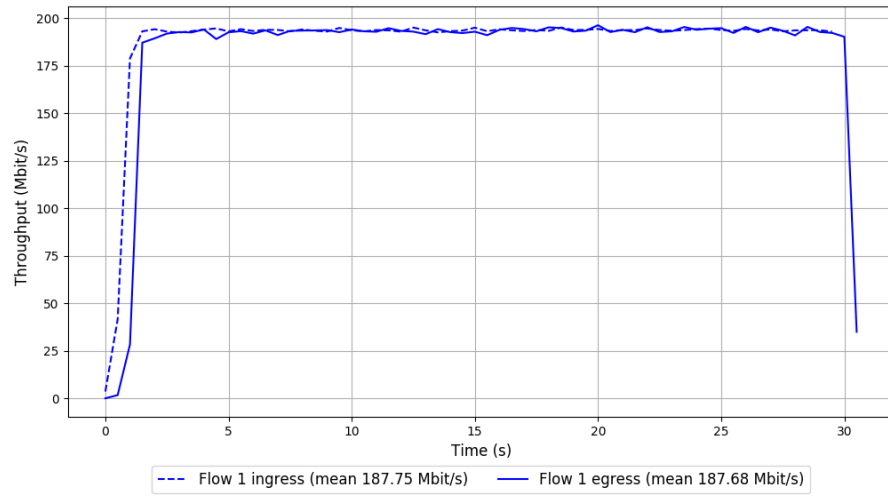


Run 9: Statistics of TCP Cubic

Start at: 2018-07-25 11:53:21
End at: 2018-07-25 11:53:51
Local clock offset: 0.024 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-07-25 12:58:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.68 Mbit/s
95th percentile per-packet one-way delay: 72.438 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 187.68 Mbit/s
95th percentile per-packet one-way delay: 72.438 ms
Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-25 12:14:58

End at: 2018-07-25 12:15:28

Local clock offset: -0.144 ms

Remote clock offset: 0.366 ms

Below is generated by plot.py at 2018-07-25 12:59:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 178.35 Mbit/s

95th percentile per-packet one-way delay: 74.076 ms

Loss rate: 0.00%

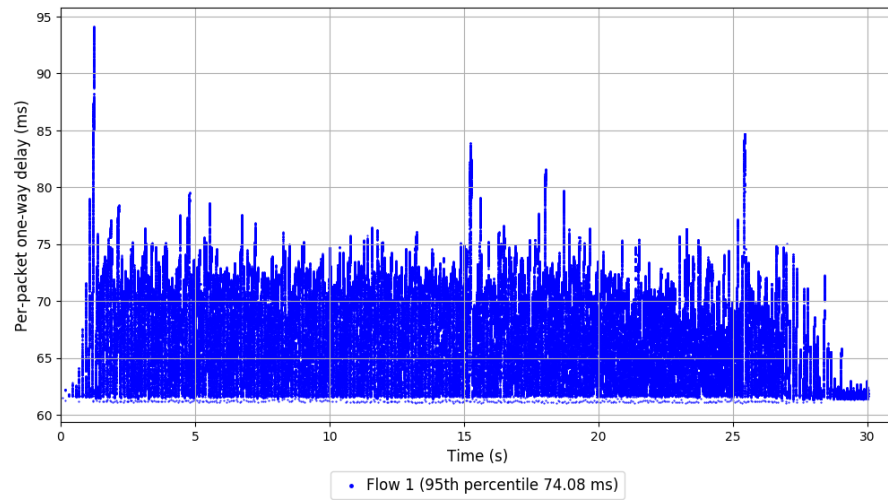
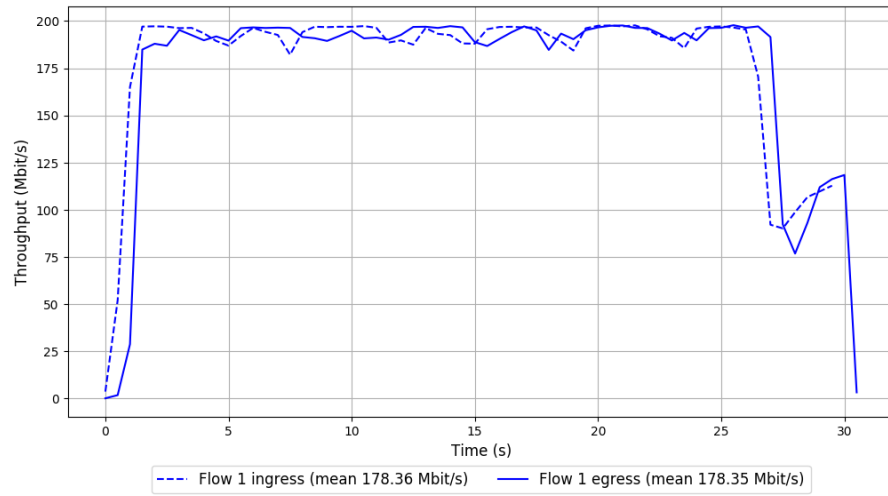
-- Flow 1:

Average throughput: 178.35 Mbit/s

95th percentile per-packet one-way delay: 74.076 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-25 09:03:41

End at: 2018-07-25 09:04:11

Local clock offset: -0.251 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-07-25 13:10:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 630.45 Mbit/s

95th percentile per-packet one-way delay: 249.930 ms

Loss rate: 0.60%

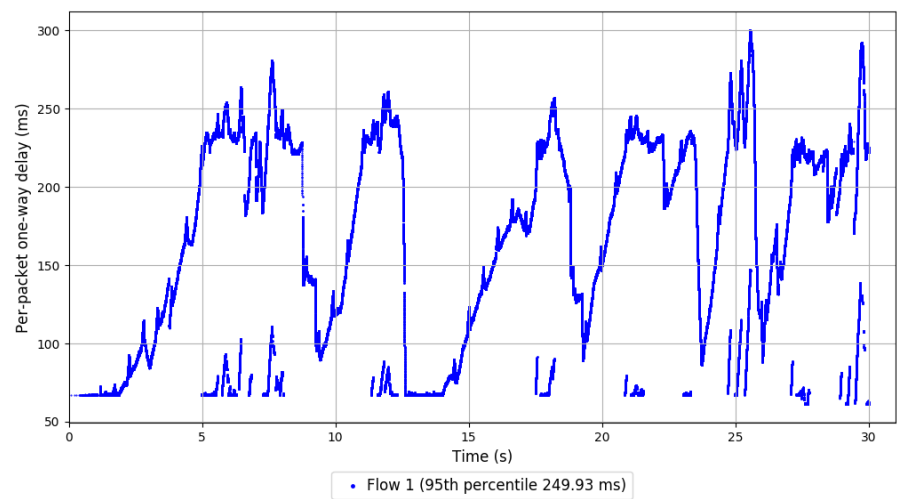
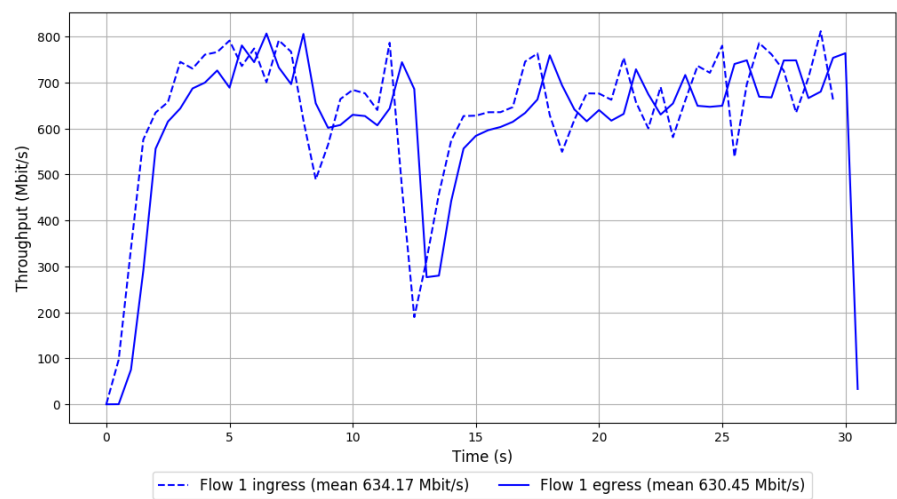
-- Flow 1:

Average throughput: 630.45 Mbit/s

95th percentile per-packet one-way delay: 249.930 ms

Loss rate: 0.60%

Run 1: Report of FillP — Data Link

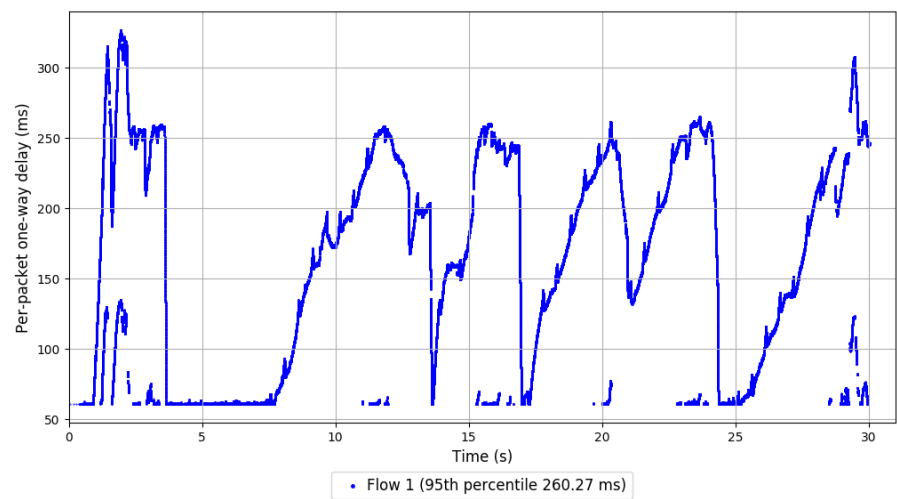
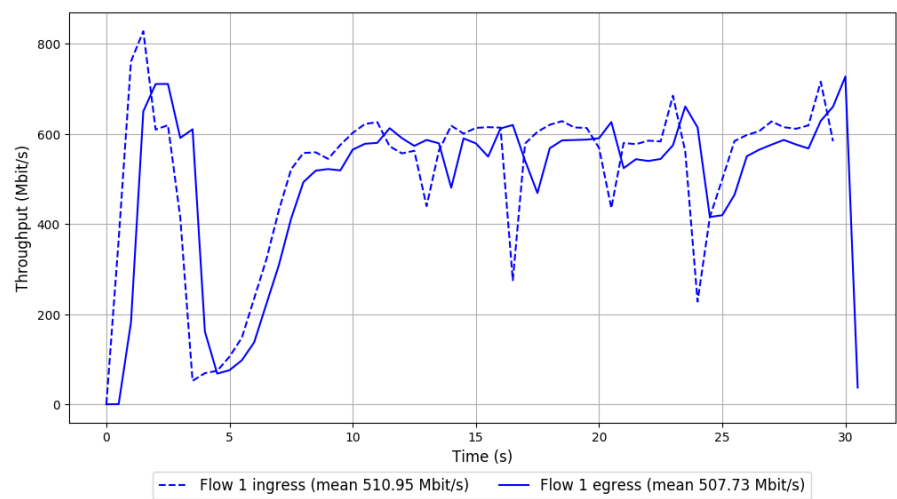


Run 2: Statistics of FillP

Start at: 2018-07-25 09:25:28
End at: 2018-07-25 09:25:58
Local clock offset: -0.242 ms
Remote clock offset: -0.194 ms

Below is generated by plot.py at 2018-07-25 13:10:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 507.73 Mbit/s
95th percentile per-packet one-way delay: 260.269 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 507.73 Mbit/s
95th percentile per-packet one-way delay: 260.269 ms
Loss rate: 0.62%

Run 2: Report of FillP — Data Link

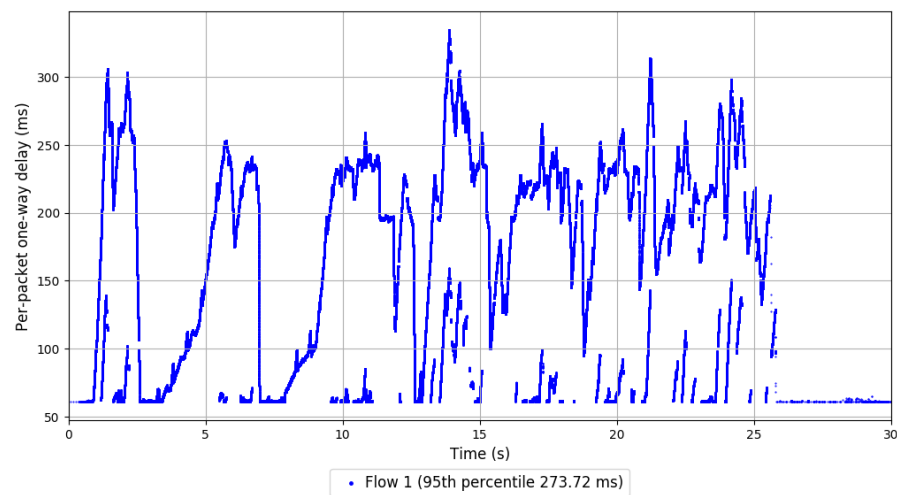
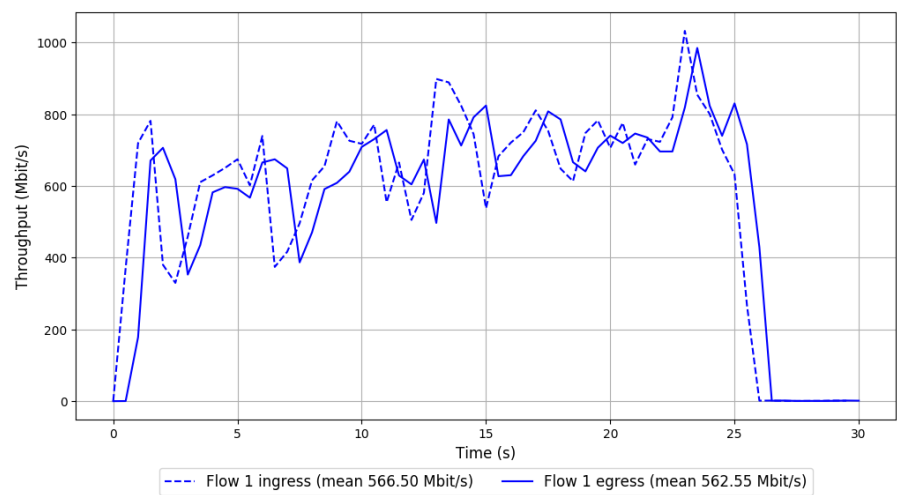


Run 3: Statistics of FillP

Start at: 2018-07-25 09:46:51
End at: 2018-07-25 09:47:21
Local clock offset: -0.265 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-25 13:10:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 562.55 Mbit/s
95th percentile per-packet one-way delay: 273.724 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 562.55 Mbit/s
95th percentile per-packet one-way delay: 273.724 ms
Loss rate: 0.70%

Run 3: Report of FillP — Data Link

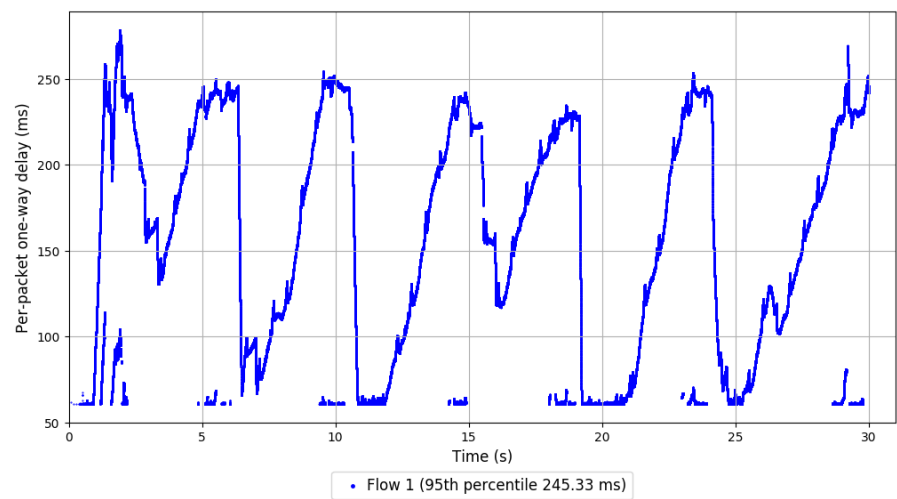
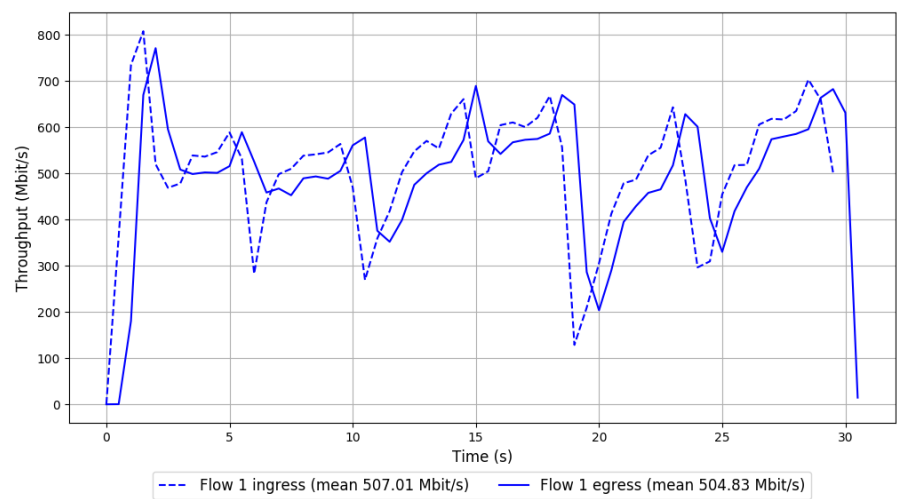


Run 4: Statistics of FillP

Start at: 2018-07-25 10:08:39
End at: 2018-07-25 10:09:09
Local clock offset: -0.262 ms
Remote clock offset: -0.297 ms

Below is generated by plot.py at 2018-07-25 13:10:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 504.83 Mbit/s
95th percentile per-packet one-way delay: 245.327 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 504.83 Mbit/s
95th percentile per-packet one-way delay: 245.327 ms
Loss rate: 0.43%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-25 10:29:54

End at: 2018-07-25 10:30:24

Local clock offset: 0.021 ms

Remote clock offset: -0.21 ms

Below is generated by plot.py at 2018-07-25 13:11:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 578.16 Mbit/s

95th percentile per-packet one-way delay: 251.916 ms

Loss rate: 0.62%

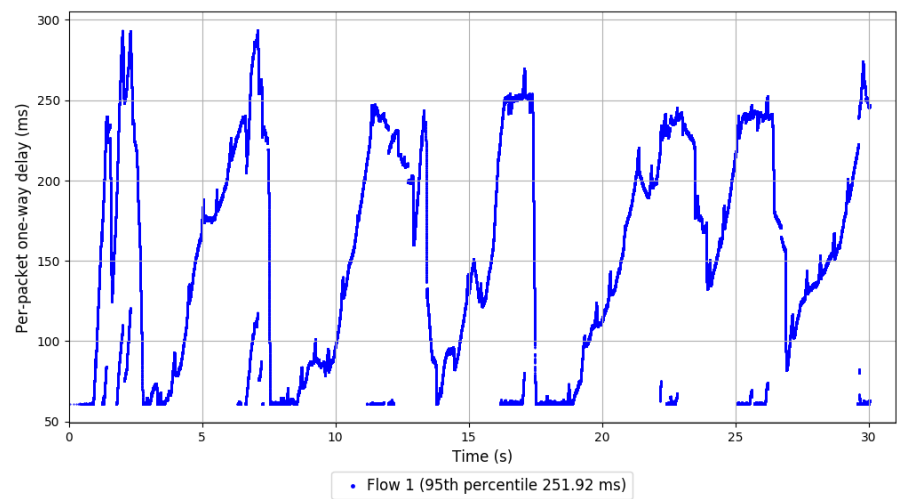
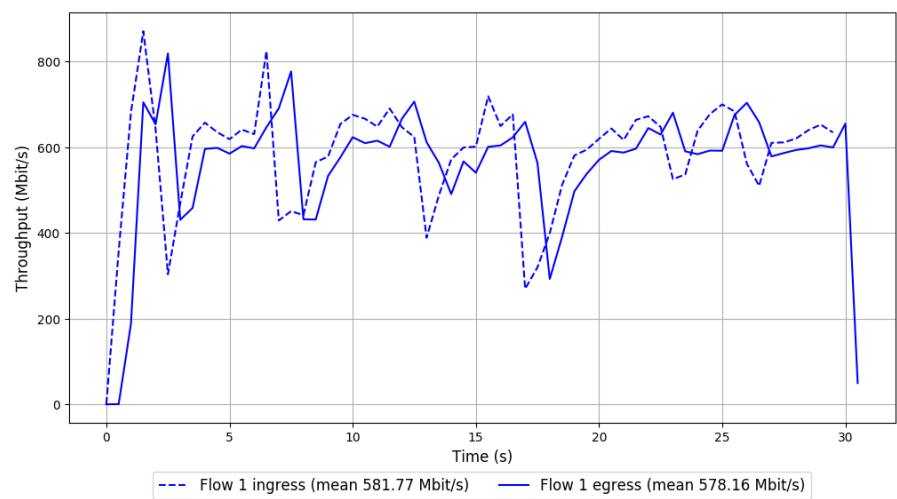
-- Flow 1:

Average throughput: 578.16 Mbit/s

95th percentile per-packet one-way delay: 251.916 ms

Loss rate: 0.62%

Run 5: Report of FillP — Data Link

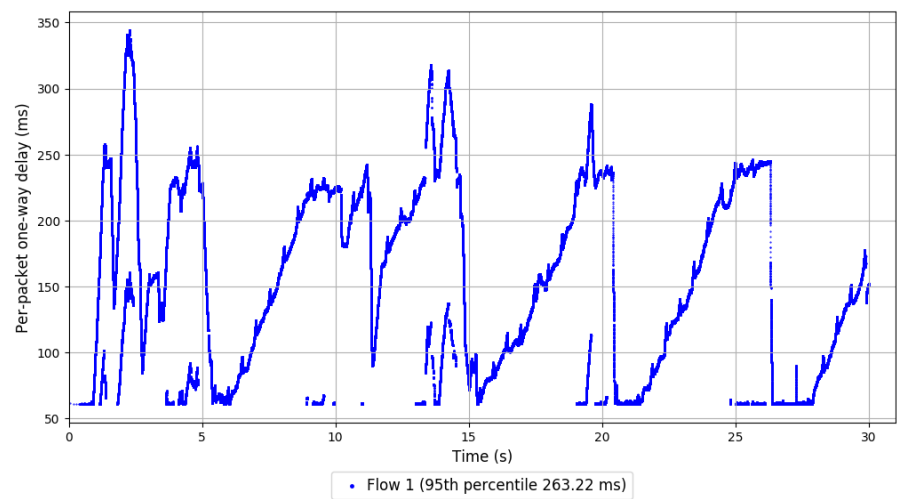
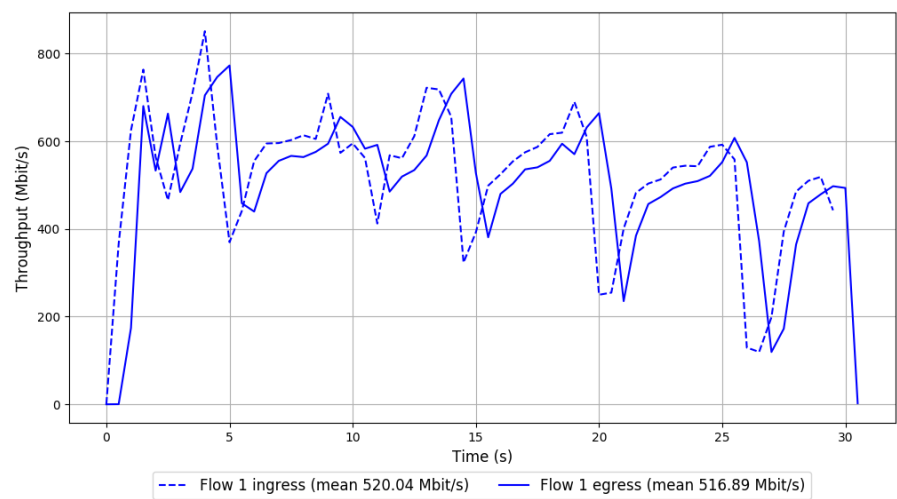


Run 6: Statistics of FillP

Start at: 2018-07-25 10:51:10
End at: 2018-07-25 10:51:40
Local clock offset: 0.109 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-25 13:11:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 516.89 Mbit/s
95th percentile per-packet one-way delay: 263.221 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 516.89 Mbit/s
95th percentile per-packet one-way delay: 263.221 ms
Loss rate: 0.60%

Run 6: Report of FillP — Data Link

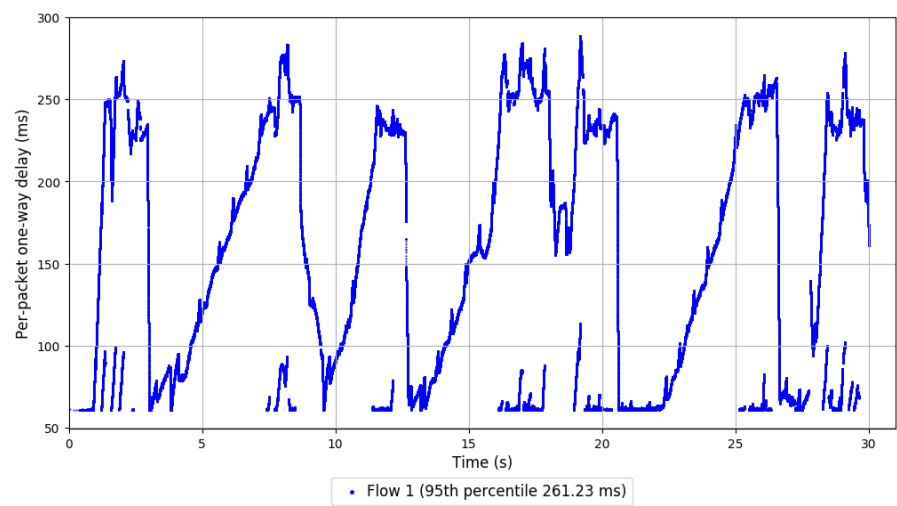
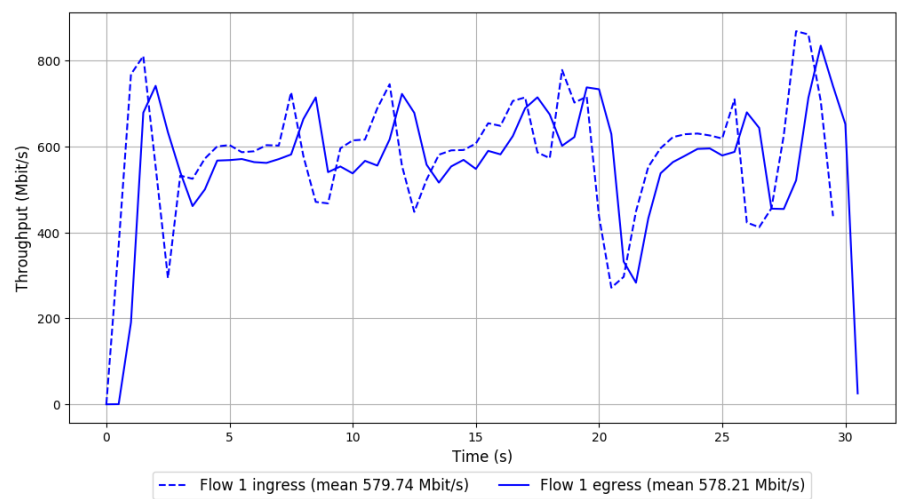


Run 7: Statistics of FillP

Start at: 2018-07-25 11:12:54
End at: 2018-07-25 11:13:24
Local clock offset: 0.219 ms
Remote clock offset: -0.273 ms

Below is generated by plot.py at 2018-07-25 13:12:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 578.21 Mbit/s
95th percentile per-packet one-way delay: 261.230 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 578.21 Mbit/s
95th percentile per-packet one-way delay: 261.230 ms
Loss rate: 0.26%

Run 7: Report of FillP — Data Link

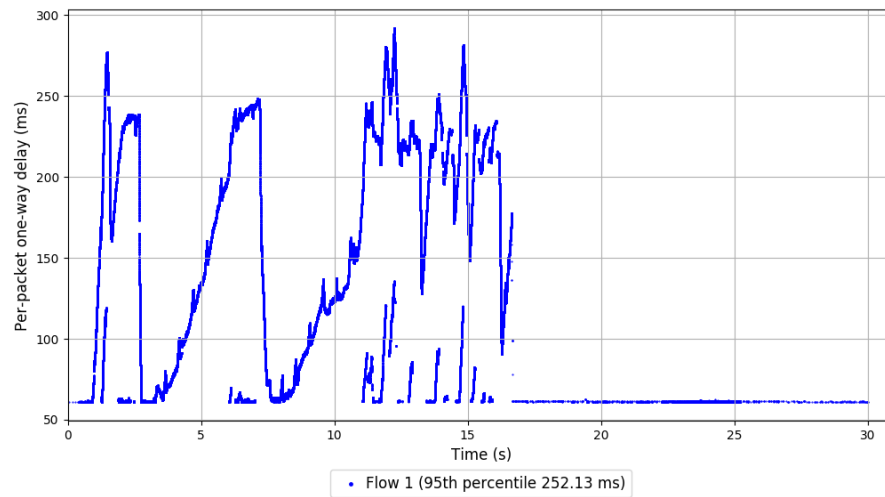
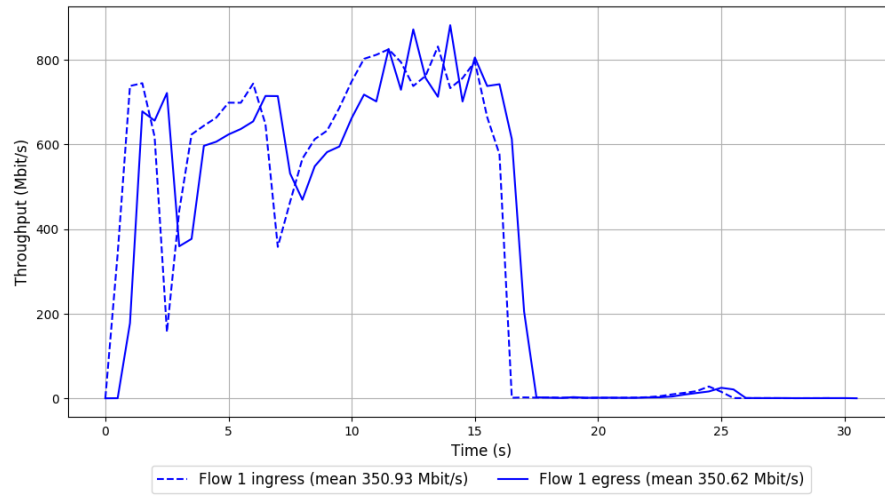


Run 8: Statistics of FillP

Start at: 2018-07-25 11:34:31
End at: 2018-07-25 11:35:02
Local clock offset: 0.168 ms
Remote clock offset: -0.247 ms

Below is generated by plot.py at 2018-07-25 13:12:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 350.62 Mbit/s
95th percentile per-packet one-way delay: 252.131 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 350.62 Mbit/s
95th percentile per-packet one-way delay: 252.131 ms
Loss rate: 0.09%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-25 11:56:01

End at: 2018-07-25 11:56:31

Local clock offset: 0.075 ms

Remote clock offset: 0.114 ms

Below is generated by plot.py at 2018-07-25 13:19:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 525.33 Mbit/s

95th percentile per-packet one-way delay: 240.354 ms

Loss rate: 0.14%

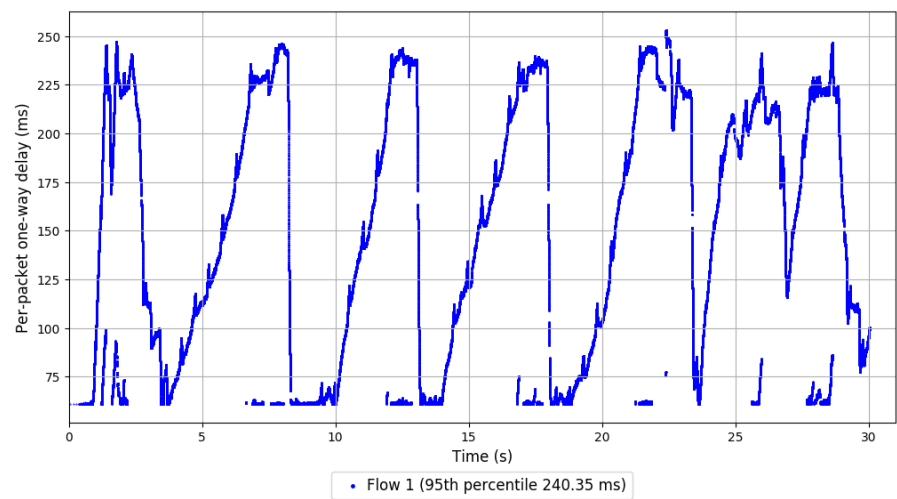
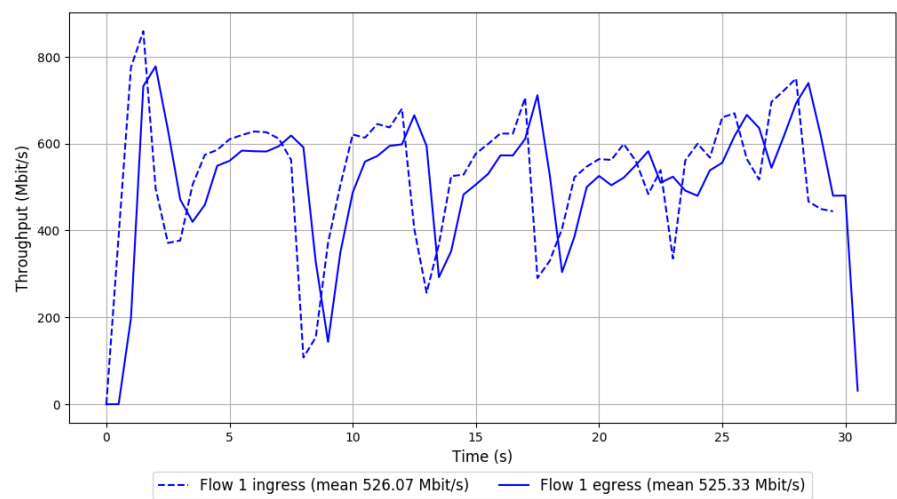
-- Flow 1:

Average throughput: 525.33 Mbit/s

95th percentile per-packet one-way delay: 240.354 ms

Loss rate: 0.14%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-25 12:17:42

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

Local clock offset: -0.125 ms

Remote clock offset: 0.166 ms

Below is generated by plot.py at 2018-07-25 13:20:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 523.05 Mbit/s

95th percentile per-packet one-way delay: 270.364 ms

Loss rate: 1.33%

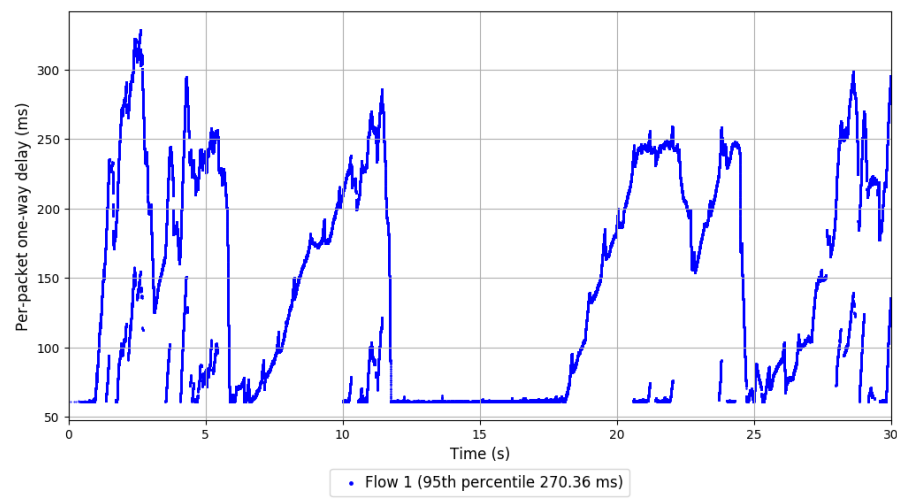
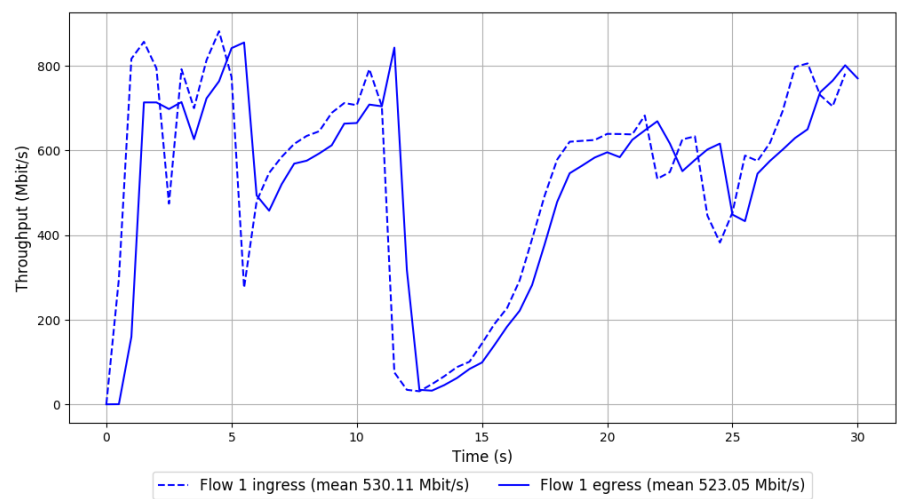
-- Flow 1:

Average throughput: 523.05 Mbit/s

95th percentile per-packet one-way delay: 270.364 ms

Loss rate: 1.33%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-25 09:18:43

End at: 2018-07-25 09:19:13

Local clock offset: -0.301 ms

Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-25 13:23:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 587.93 Mbit/s

95th percentile per-packet one-way delay: 111.244 ms

Loss rate: 0.17%

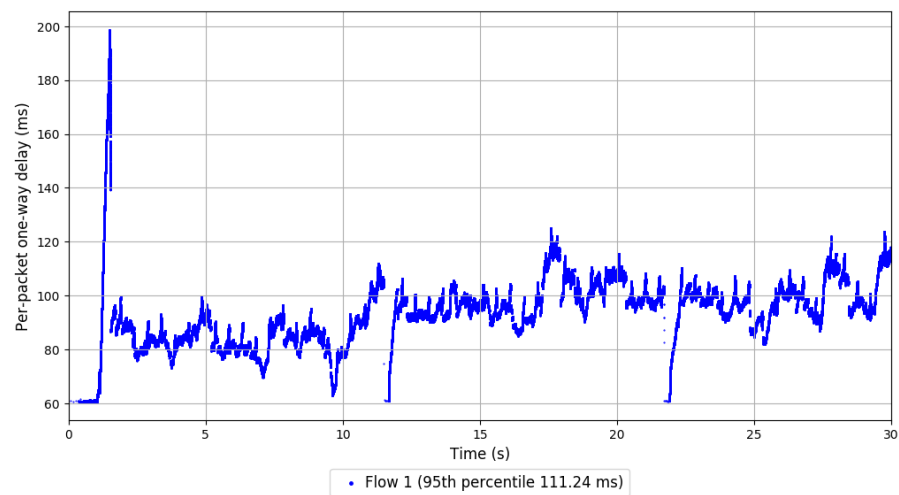
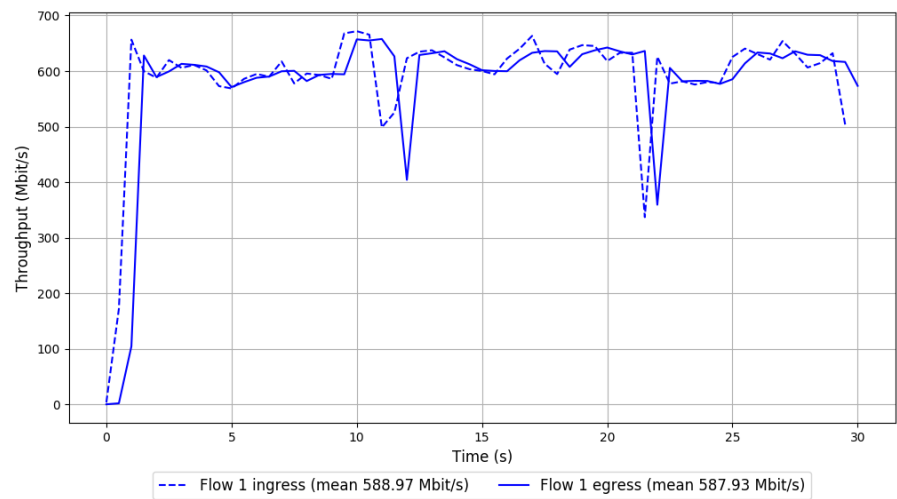
-- Flow 1:

Average throughput: 587.93 Mbit/s

95th percentile per-packet one-way delay: 111.244 ms

Loss rate: 0.17%

Run 1: Report of FillP-Sheep — Data Link

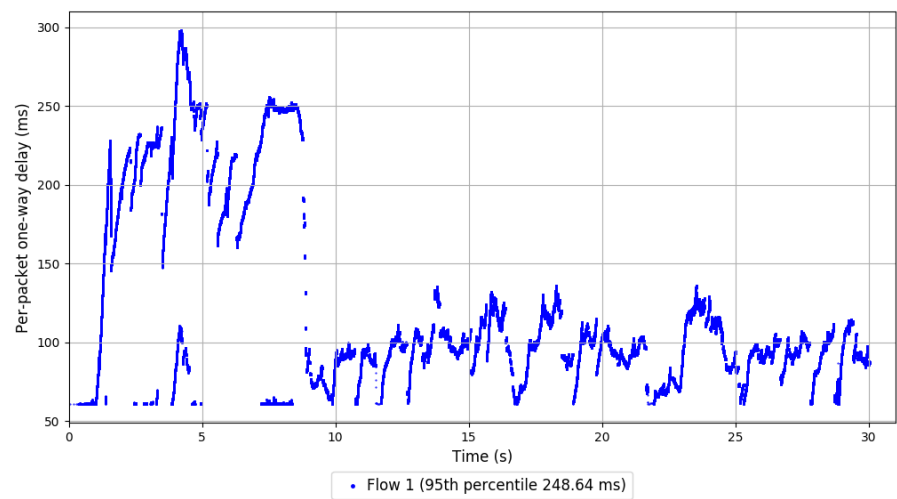
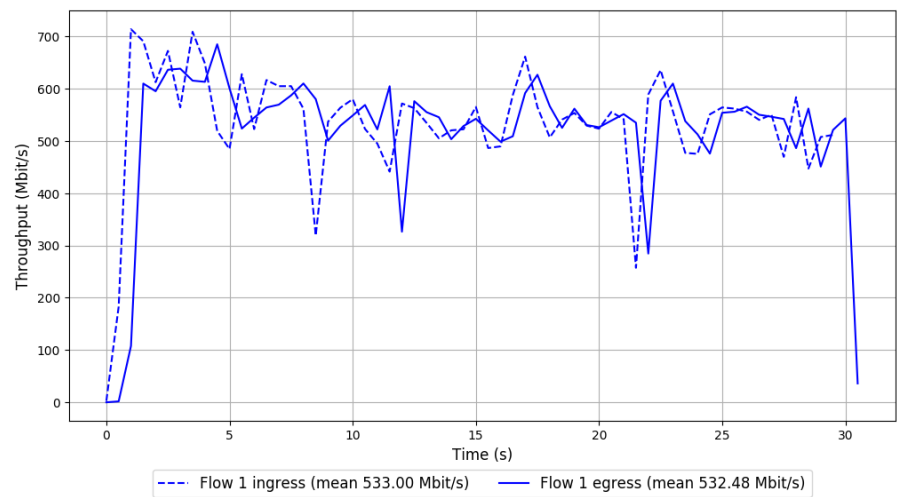


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-25 09:40:10
End at: 2018-07-25 09:40:40
Local clock offset: -0.318 ms
Remote clock offset: -0.329 ms

Below is generated by plot.py at 2018-07-25 13:23:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 532.48 Mbit/s
95th percentile per-packet one-way delay: 248.636 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 532.48 Mbit/s
95th percentile per-packet one-way delay: 248.636 ms
Loss rate: 0.09%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-25 10:01:59

End at: 2018-07-25 10:02:29

Local clock offset: -0.278 ms

Remote clock offset: 0.243 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 637.09 Mbit/s

95th percentile per-packet one-way delay: 138.884 ms

Loss rate: 0.28%

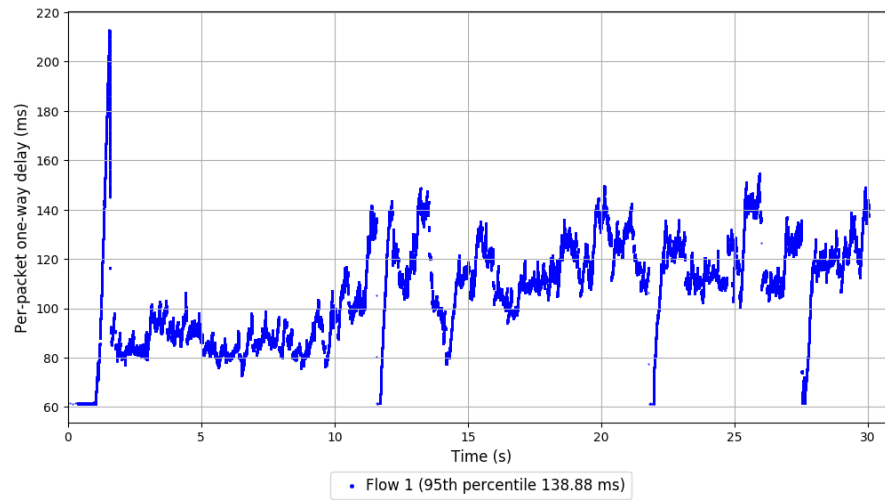
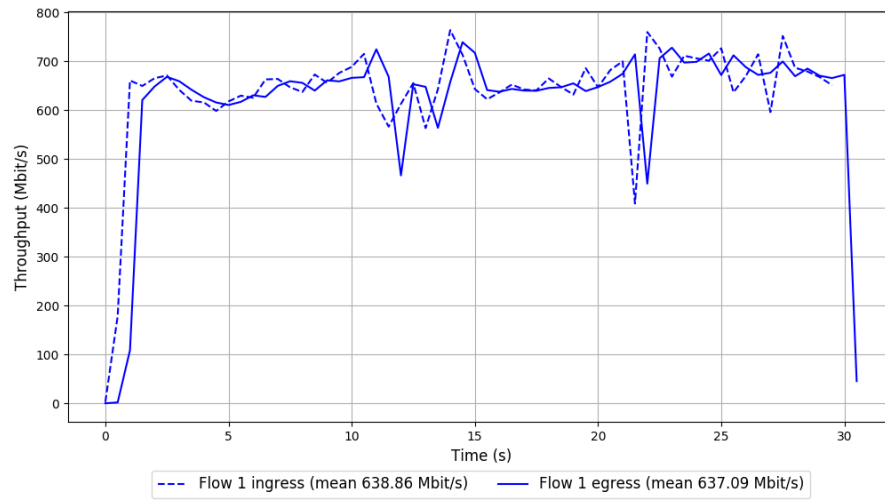
-- Flow 1:

Average throughput: 637.09 Mbit/s

95th percentile per-packet one-way delay: 138.884 ms

Loss rate: 0.28%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-25 10:23:14

End at: 2018-07-25 10:23:44

Local clock offset: 0.004 ms

Remote clock offset: -0.37 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 468.19 Mbit/s

95th percentile per-packet one-way delay: 112.984 ms

Loss rate: 0.15%

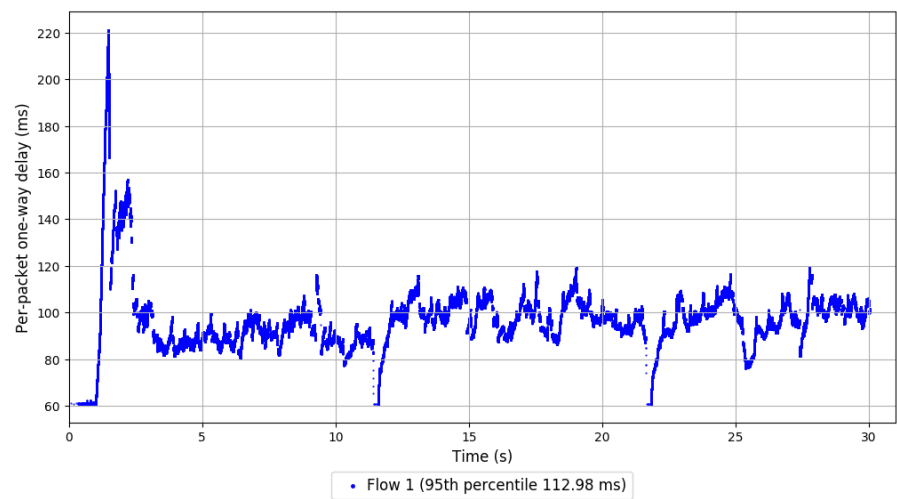
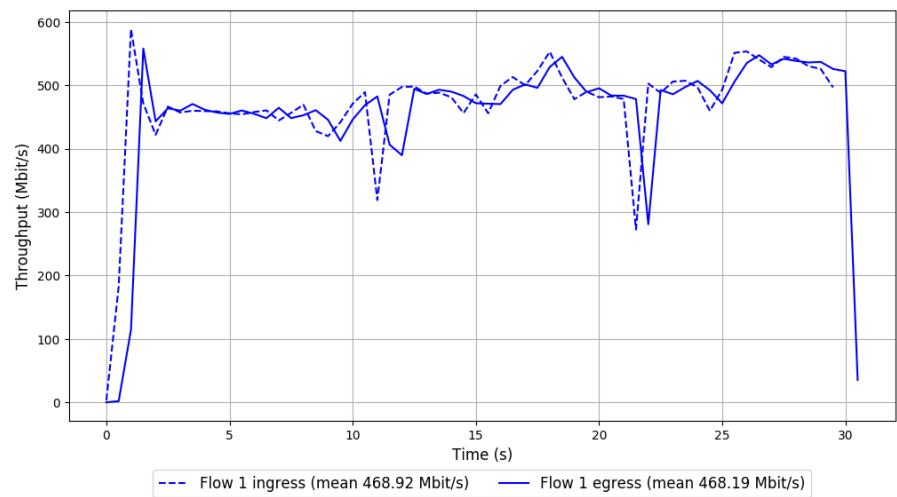
-- Flow 1:

Average throughput: 468.19 Mbit/s

95th percentile per-packet one-way delay: 112.984 ms

Loss rate: 0.15%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

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

End at: 2018-07-25 10:44:54

Local clock offset: 0.09 ms

Remote clock offset: -0.177 ms

Below is generated by plot.py at 2018-07-25 13:25:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 617.31 Mbit/s

95th percentile per-packet one-way delay: 137.439 ms

Loss rate: 0.19%

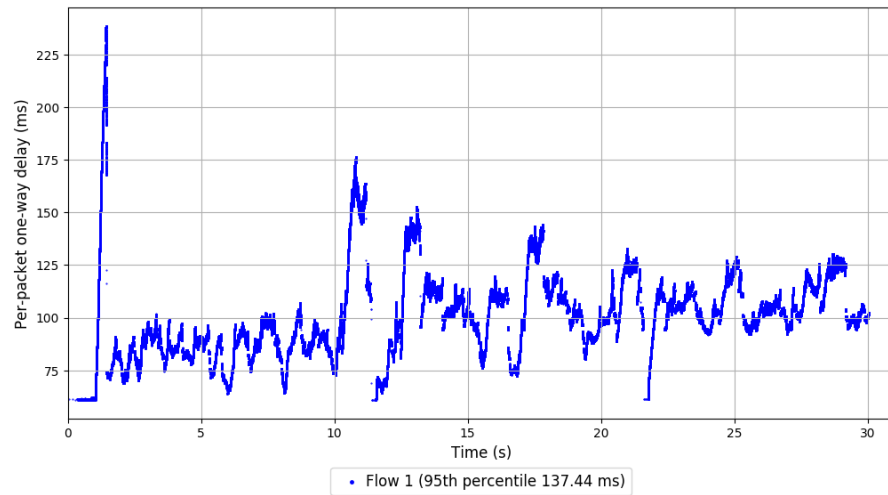
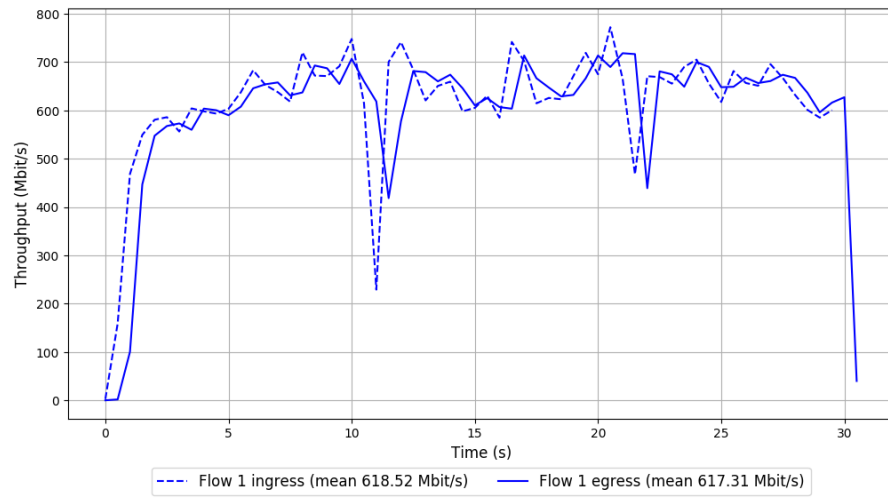
-- Flow 1:

Average throughput: 617.31 Mbit/s

95th percentile per-packet one-way delay: 137.439 ms

Loss rate: 0.19%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-25 11:06:15

End at: 2018-07-25 11:06:45

Local clock offset: 0.214 ms

Remote clock offset: 0.088 ms

Below is generated by plot.py at 2018-07-25 13:25:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 402.93 Mbit/s

95th percentile per-packet one-way delay: 320.632 ms

Loss rate: 2.28%

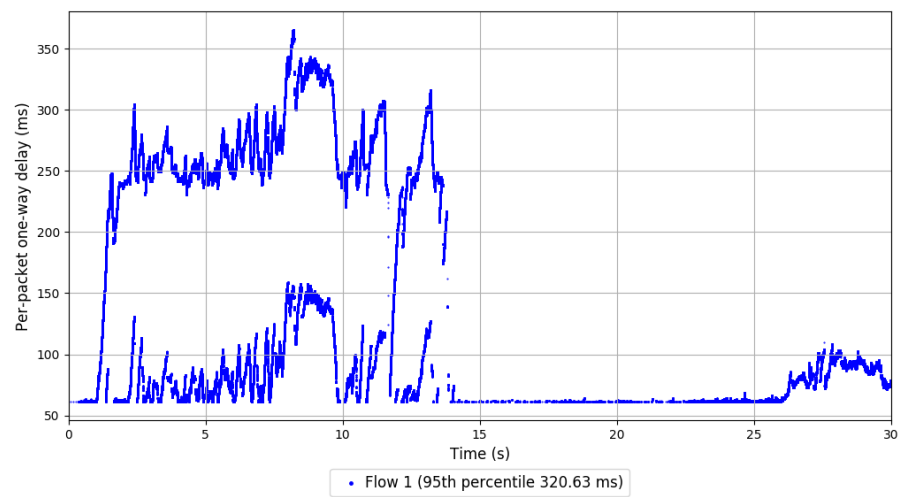
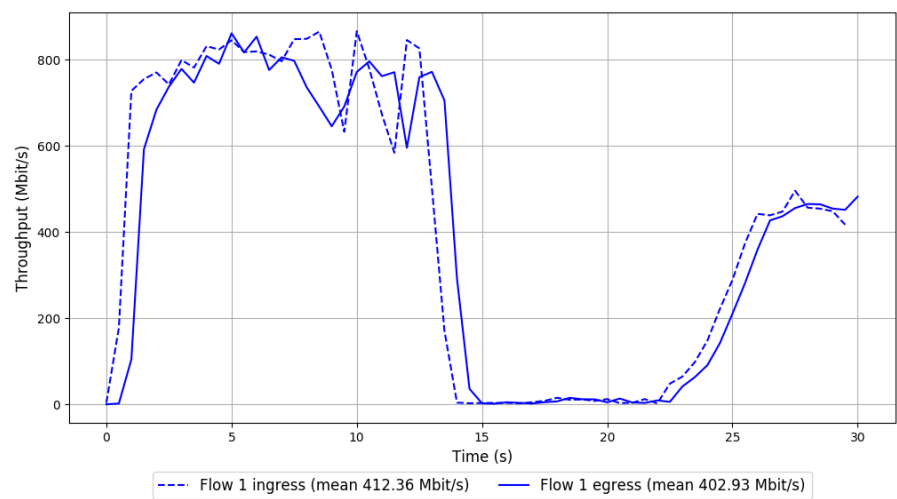
-- Flow 1:

Average throughput: 402.93 Mbit/s

95th percentile per-packet one-way delay: 320.632 ms

Loss rate: 2.28%

Run 6: Report of FillP-Sheep — Data Link

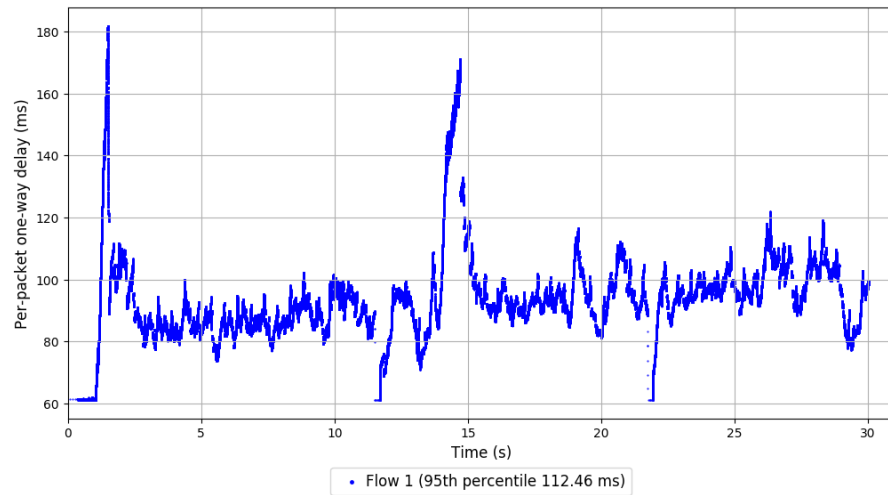
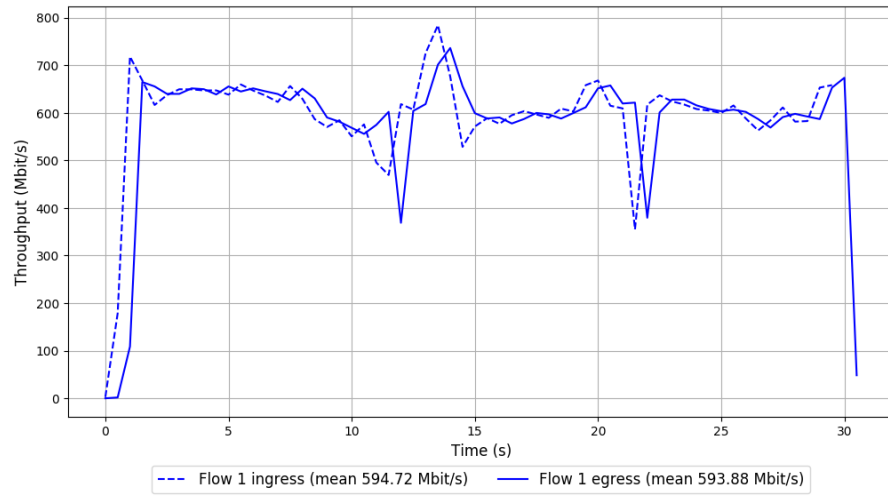


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-25 11:27:49
End at: 2018-07-25 11:28:19
Local clock offset: 0.161 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-07-25 13:34:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 593.88 Mbit/s
95th percentile per-packet one-way delay: 112.464 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 593.88 Mbit/s
95th percentile per-packet one-way delay: 112.464 ms
Loss rate: 0.14%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-25 11:49:24

End at: 2018-07-25 11:49:54

Local clock offset: 0.127 ms

Remote clock offset: 0.123 ms

Below is generated by plot.py at 2018-07-25 13:34:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 591.77 Mbit/s

95th percentile per-packet one-way delay: 122.782 ms

Loss rate: 0.22%

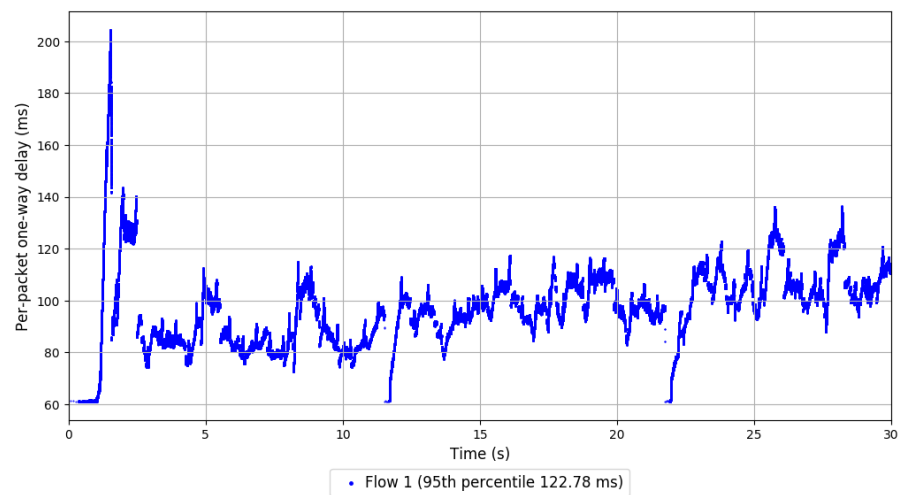
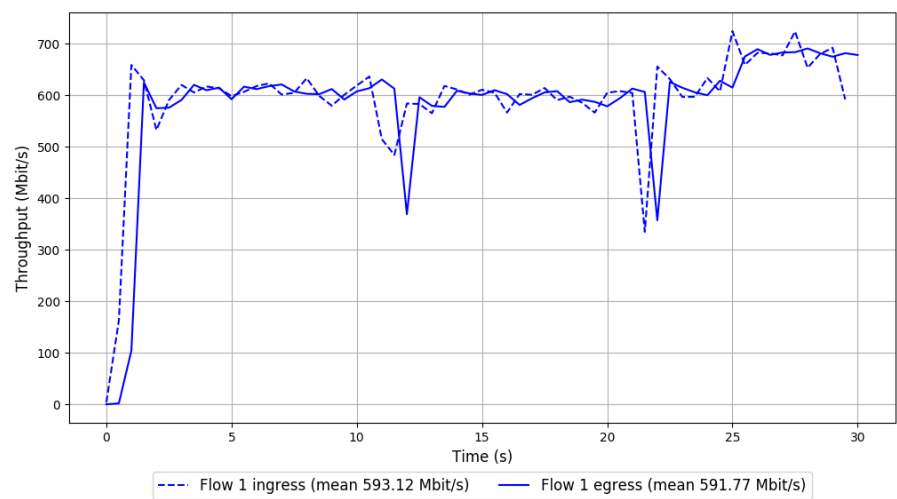
-- Flow 1:

Average throughput: 591.77 Mbit/s

95th percentile per-packet one-way delay: 122.782 ms

Loss rate: 0.22%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-25 12:10:56

End at: 2018-07-25 12:11:26

Local clock offset: -0.113 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-25 13:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 651.24 Mbit/s

95th percentile per-packet one-way delay: 120.274 ms

Loss rate: 0.15%

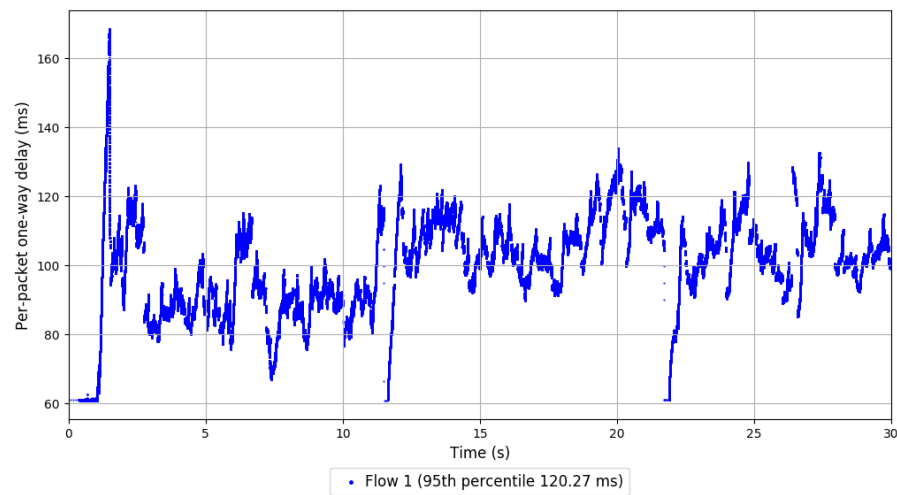
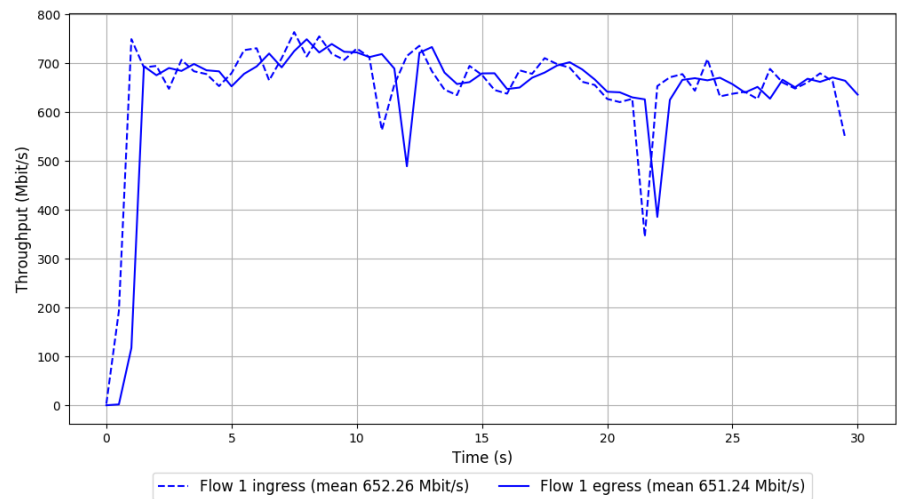
-- Flow 1:

Average throughput: 651.24 Mbit/s

95th percentile per-packet one-way delay: 120.274 ms

Loss rate: 0.15%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-25 12:32:43

End at: 2018-07-25 12:33:13

Local clock offset: -0.023 ms

Remote clock offset: 0.186 ms

Below is generated by plot.py at 2018-07-25 13:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 589.84 Mbit/s

95th percentile per-packet one-way delay: 132.056 ms

Loss rate: 0.13%

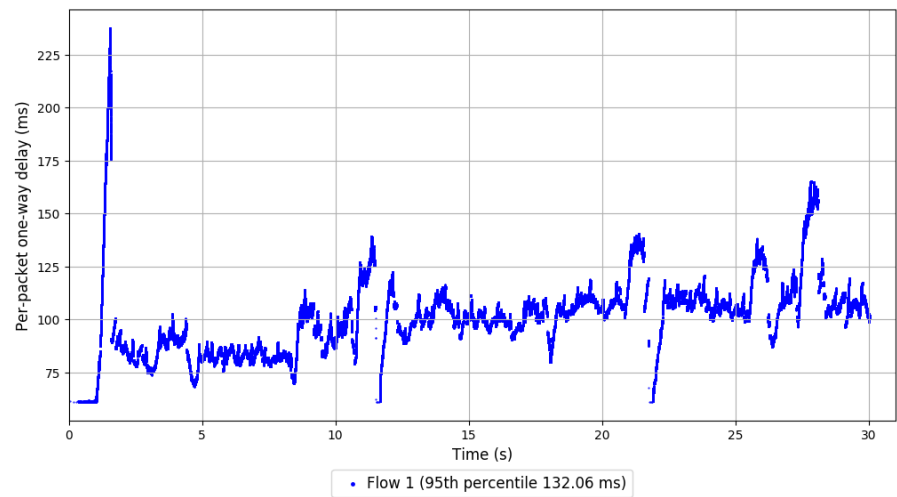
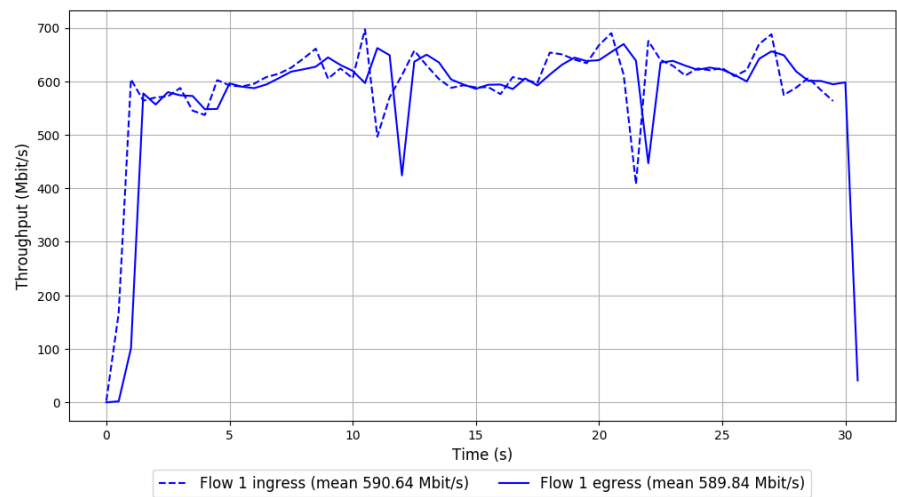
-- Flow 1:

Average throughput: 589.84 Mbit/s

95th percentile per-packet one-way delay: 132.056 ms

Loss rate: 0.13%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

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

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

Local clock offset: -0.26 ms

Remote clock offset: 0.341 ms

Below is generated by plot.py at 2018-07-25 13:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.72 Mbit/s

95th percentile per-packet one-way delay: 61.891 ms

Loss rate: 0.00%

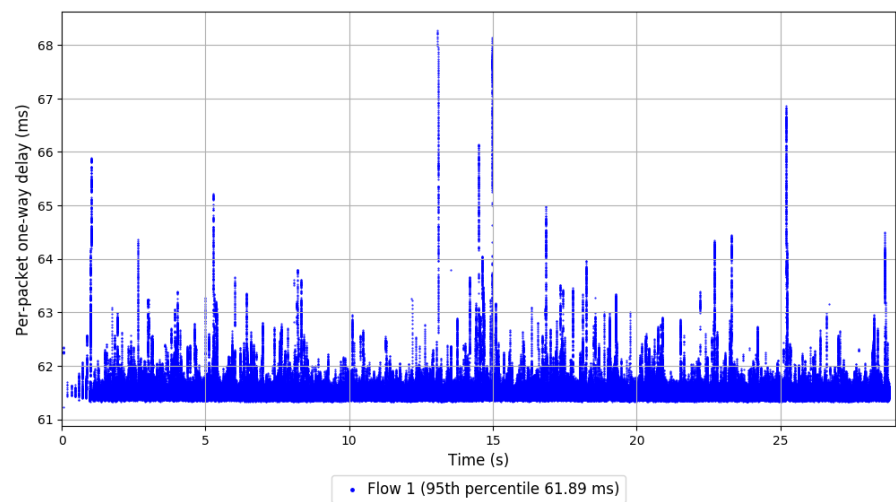
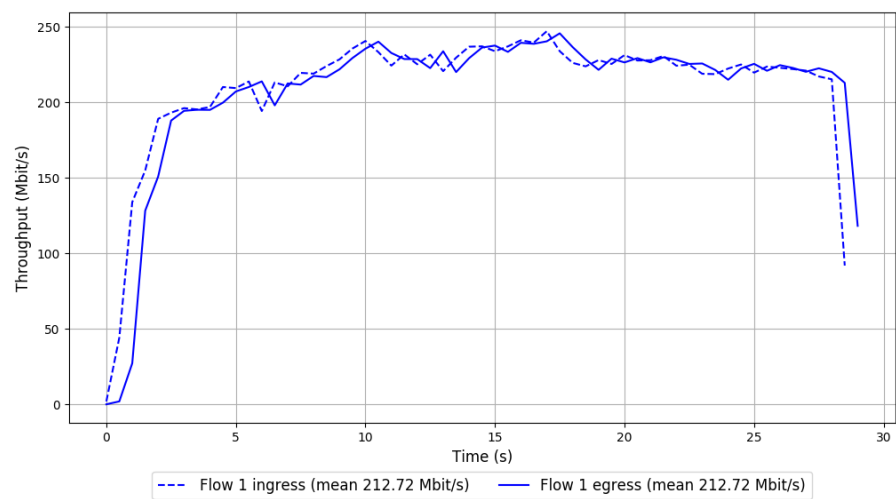
-- Flow 1:

Average throughput: 212.72 Mbit/s

95th percentile per-packet one-way delay: 61.891 ms

Loss rate: 0.00%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-25 09:38:52

End at: 2018-07-25 09:39:22

Local clock offset: -0.283 ms

Remote clock offset: 0.212 ms

Below is generated by plot.py at 2018-07-25 13:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 174.59 Mbit/s

95th percentile per-packet one-way delay: 62.045 ms

Loss rate: 0.00%

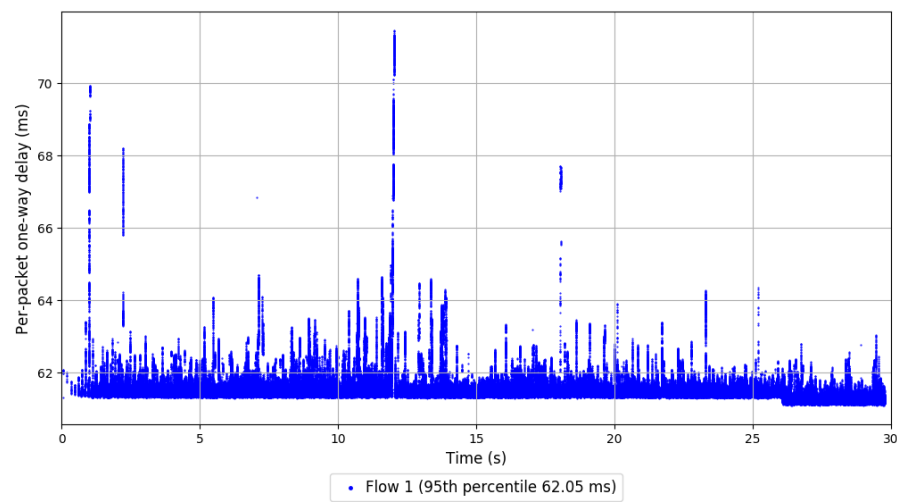
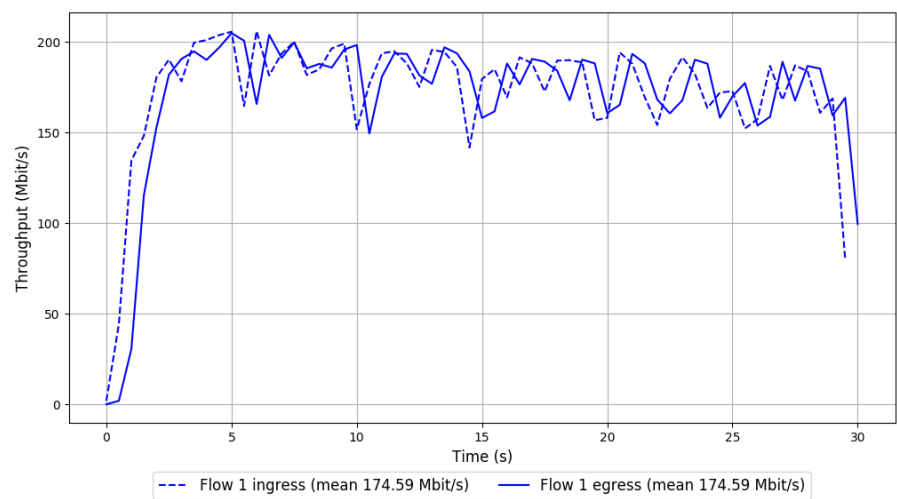
-- Flow 1:

Average throughput: 174.59 Mbit/s

95th percentile per-packet one-way delay: 62.045 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-25 10:00:42

End at: 2018-07-25 10:01:13

Local clock offset: -0.295 ms

Remote clock offset: 0.105 ms

Below is generated by plot.py at 2018-07-25 13:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 158.41 Mbit/s

95th percentile per-packet one-way delay: 61.890 ms

Loss rate: 0.00%

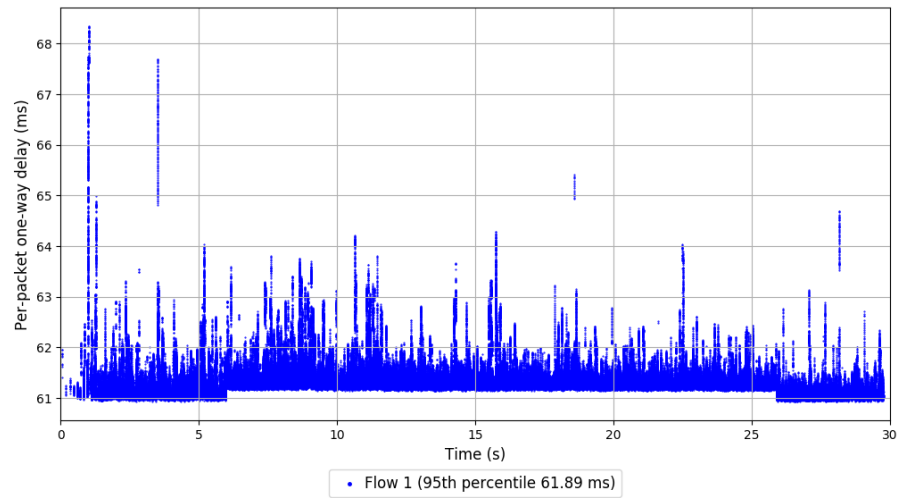
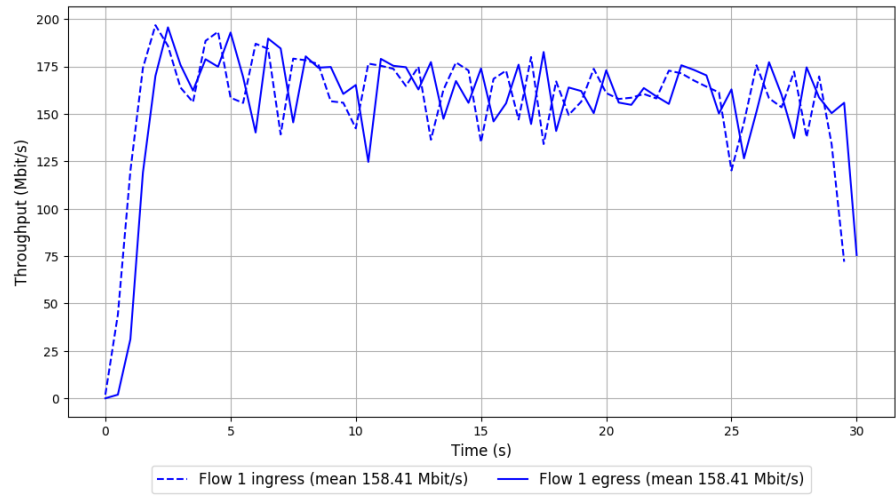
-- Flow 1:

Average throughput: 158.41 Mbit/s

95th percentile per-packet one-way delay: 61.890 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

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

End at: 2018-07-25 10:22:26

Local clock offset: -0.025 ms

Remote clock offset: 0.154 ms

Below is generated by plot.py at 2018-07-25 13:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 183.62 Mbit/s

95th percentile per-packet one-way delay: 61.643 ms

Loss rate: 0.00%

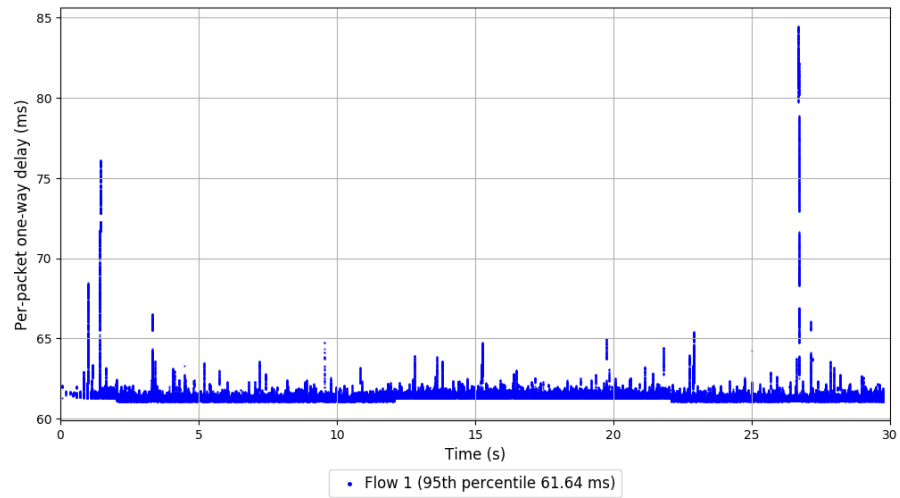
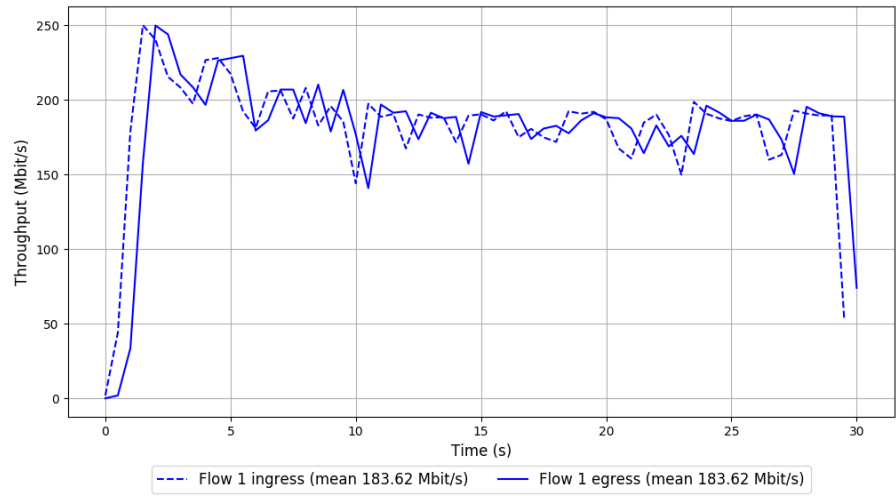
-- Flow 1:

Average throughput: 183.62 Mbit/s

95th percentile per-packet one-way delay: 61.643 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-25 10:43:07

End at: 2018-07-25 10:43:37

Local clock offset: 0.106 ms

Remote clock offset: 0.178 ms

Below is generated by plot.py at 2018-07-25 13:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 167.52 Mbit/s

95th percentile per-packet one-way delay: 61.702 ms

Loss rate: 0.00%

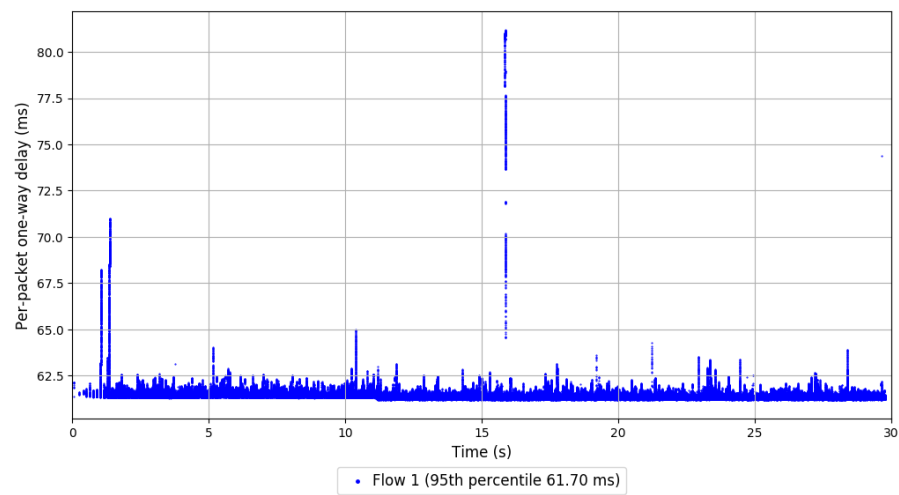
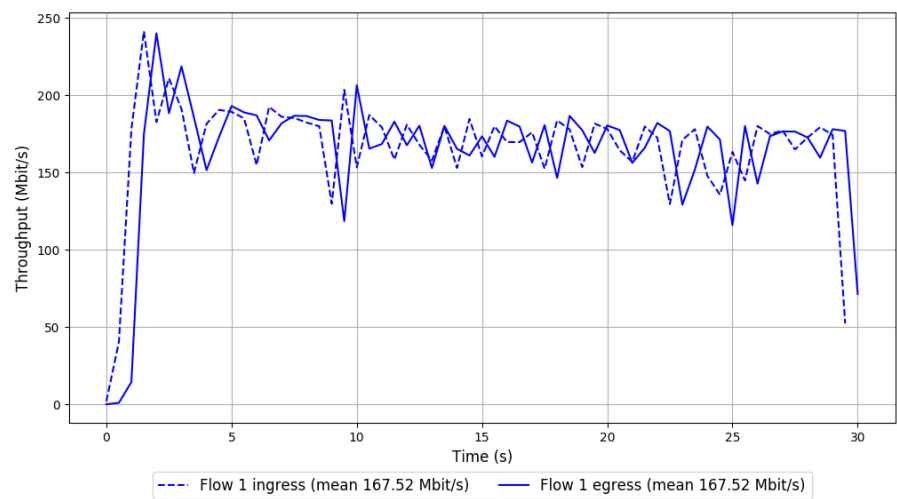
-- Flow 1:

Average throughput: 167.52 Mbit/s

95th percentile per-packet one-way delay: 61.702 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-25 11:04:56

End at: 2018-07-25 11:05:26

Local clock offset: 0.185 ms

Remote clock offset: -0.421 ms

Below is generated by plot.py at 2018-07-25 13:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.19 Mbit/s

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

Loss rate: 0.00%

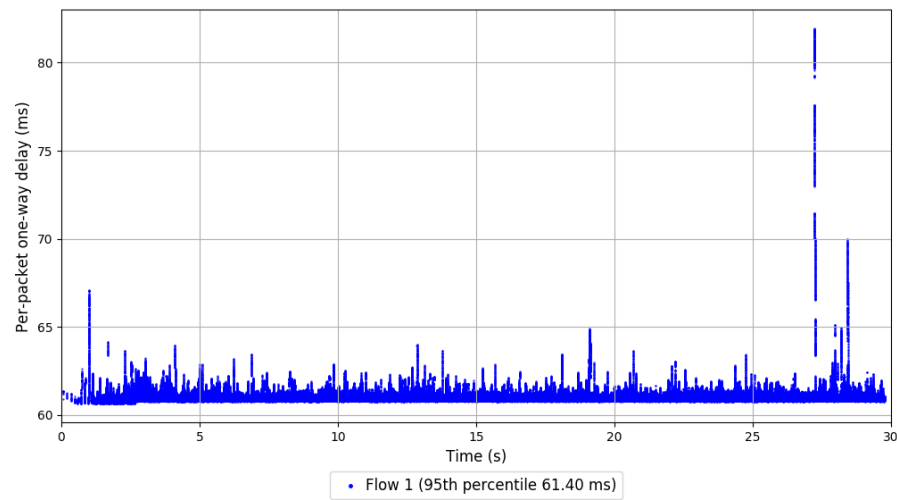
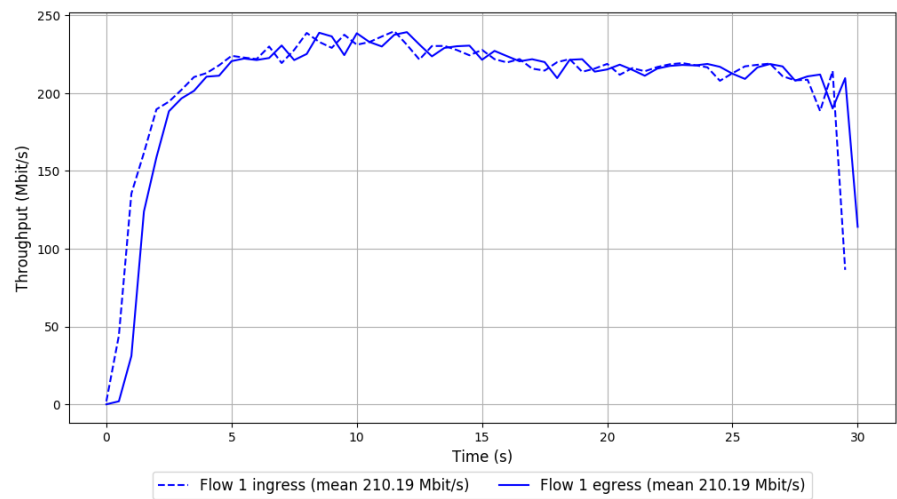
-- Flow 1:

Average throughput: 210.19 Mbit/s

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

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

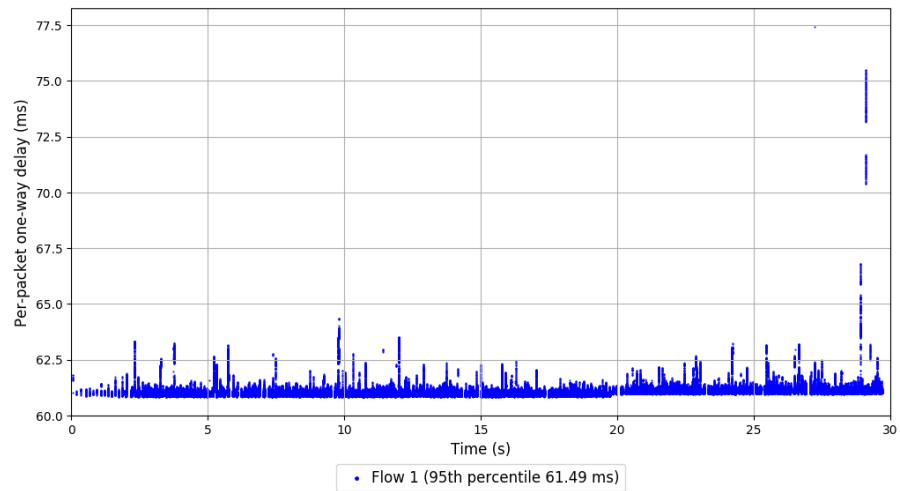
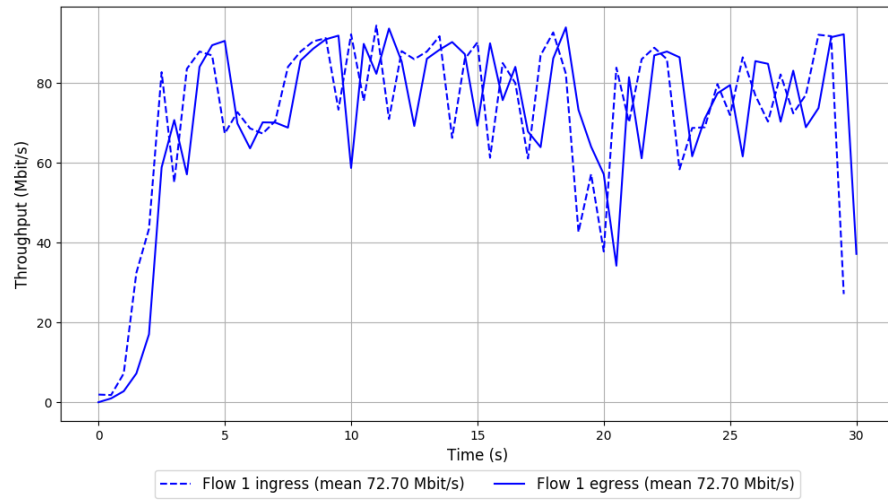


Run 7: Statistics of Indigo

Start at: 2018-07-25 11:26:39
End at: 2018-07-25 11:27:09
Local clock offset: 0.147 ms
Remote clock offset: -0.243 ms

Below is generated by plot.py at 2018-07-25 13:36:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.70 Mbit/s
95th percentile per-packet one-way delay: 61.495 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.70 Mbit/s
95th percentile per-packet one-way delay: 61.495 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

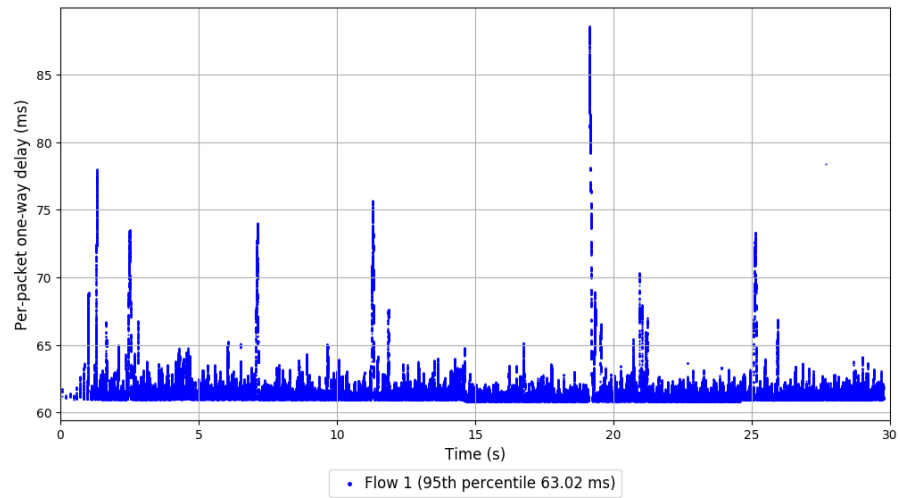
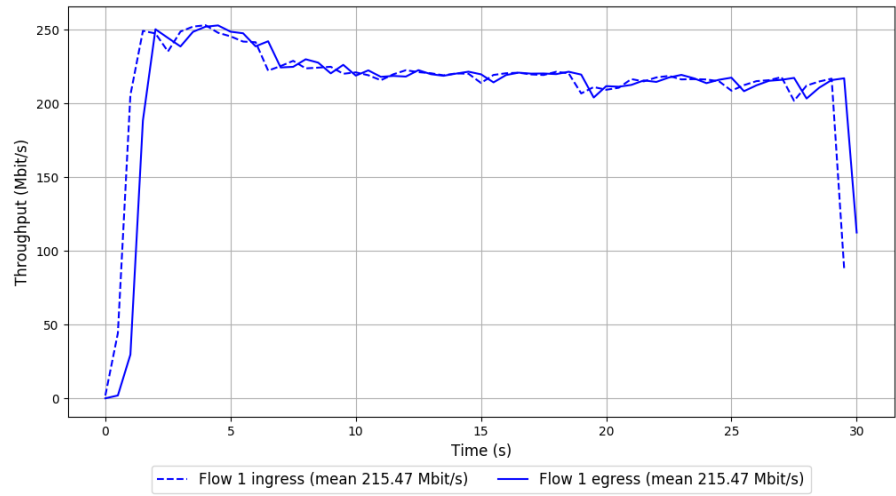


Run 8: Statistics of Indigo

Start at: 2018-07-25 11:48:04
End at: 2018-07-25 11:48:34
Local clock offset: 0.12 ms
Remote clock offset: -0.247 ms

Below is generated by plot.py at 2018-07-25 13:36:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.47 Mbit/s
95th percentile per-packet one-way delay: 63.022 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 215.47 Mbit/s
95th percentile per-packet one-way delay: 63.022 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-25 12:09:37

End at: 2018-07-25 12:10:07

Local clock offset: -0.091 ms

Remote clock offset: 0.139 ms

Below is generated by plot.py at 2018-07-25 13:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.37 Mbit/s

95th percentile per-packet one-way delay: 62.484 ms

Loss rate: 0.00%

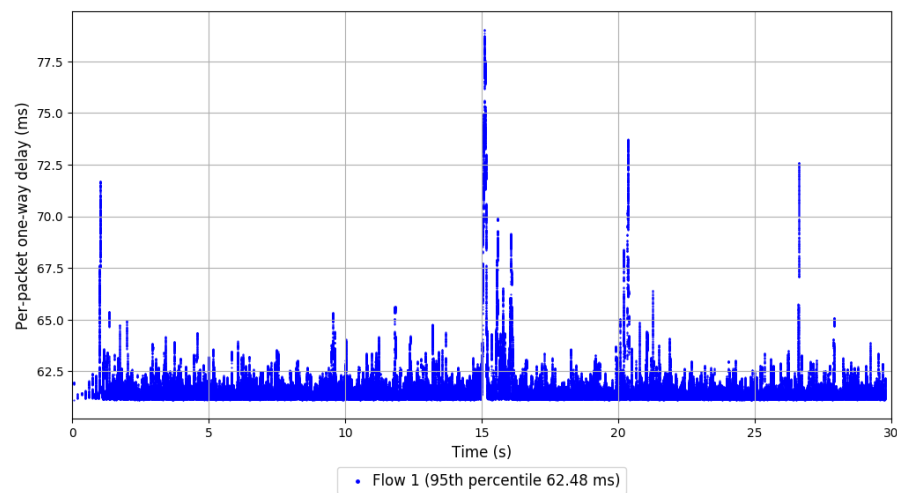
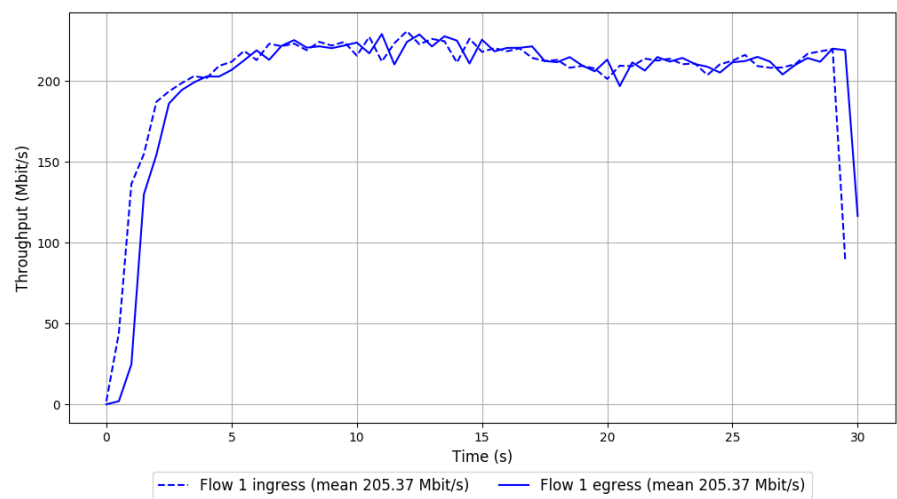
-- Flow 1:

Average throughput: 205.37 Mbit/s

95th percentile per-packet one-way delay: 62.484 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-25 12:31:23

End at: 2018-07-25 12:31:53

Local clock offset: -0.025 ms

Remote clock offset: 0.281 ms

Below is generated by plot.py at 2018-07-25 13:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.75 Mbit/s

95th percentile per-packet one-way delay: 62.978 ms

Loss rate: 0.00%

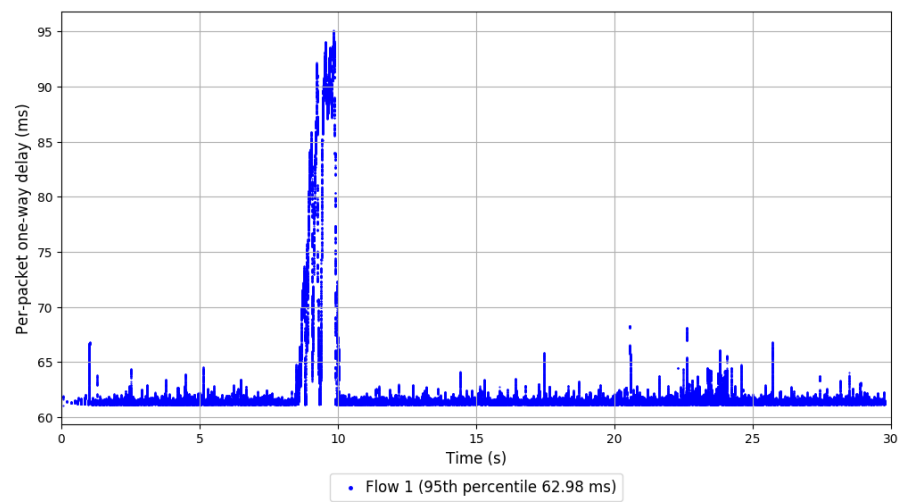
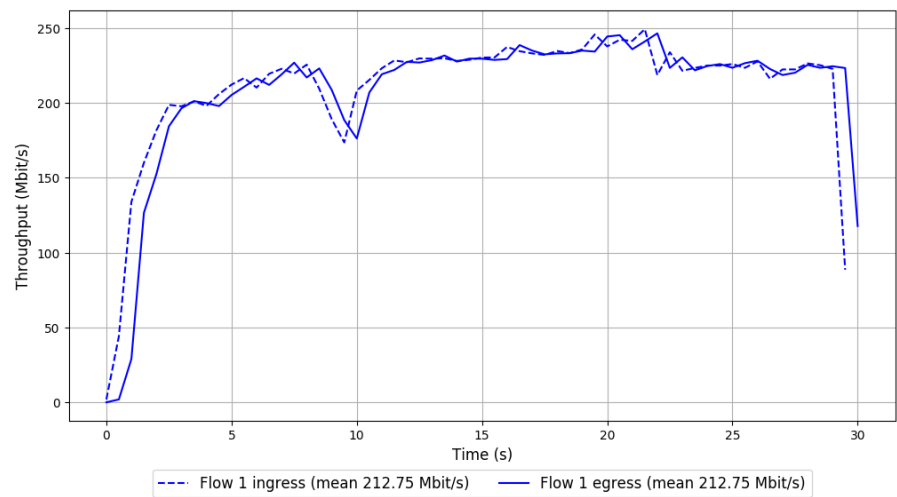
-- Flow 1:

Average throughput: 212.75 Mbit/s

95th percentile per-packet one-way delay: 62.978 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

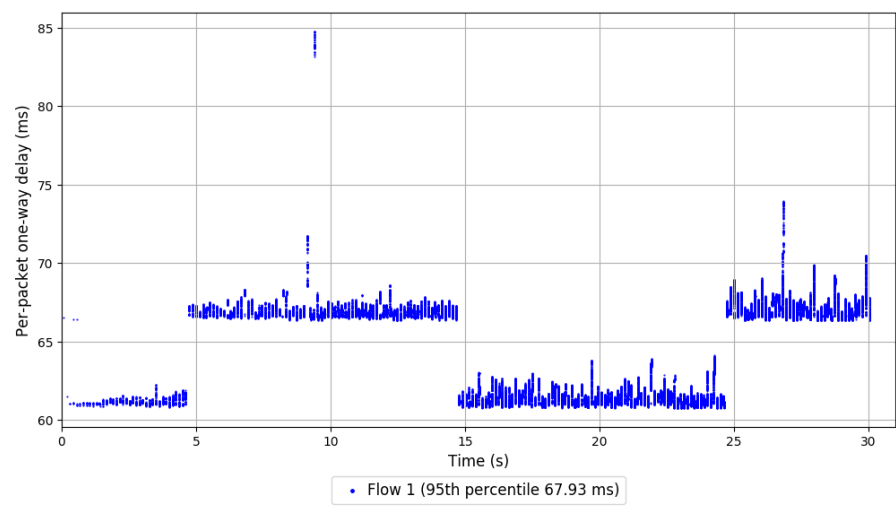
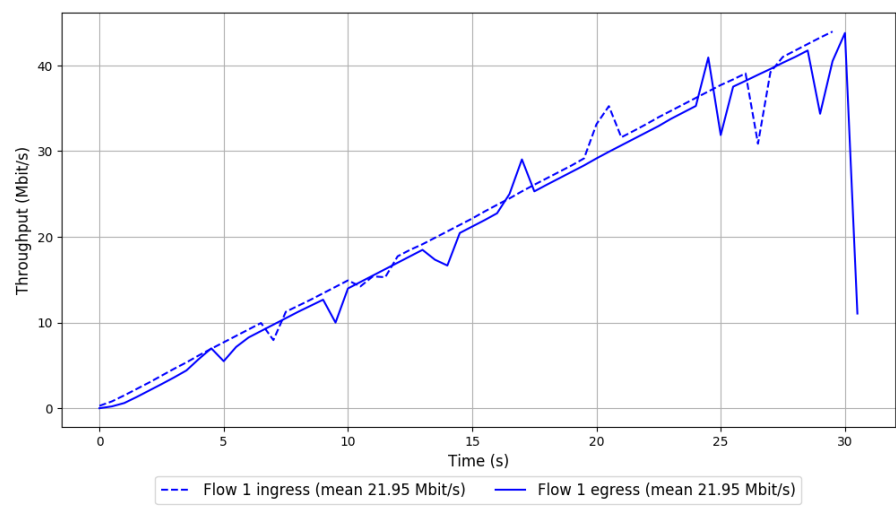


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-25 09:05:14
End at: 2018-07-25 09:05:44
Local clock offset: -0.296 ms
Remote clock offset: -0.255 ms

# Below is generated by plot.py at 2018-07-25 13:36:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.95 Mbit/s
95th percentile per-packet one-way delay: 67.927 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.95 Mbit/s
95th percentile per-packet one-way delay: 67.927 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-25 09:26:56

End at: 2018-07-25 09:27:26

Local clock offset: -0.259 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-07-25 13:36:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.59 Mbit/s

95th percentile per-packet one-way delay: 62.856 ms

Loss rate: 0.00%

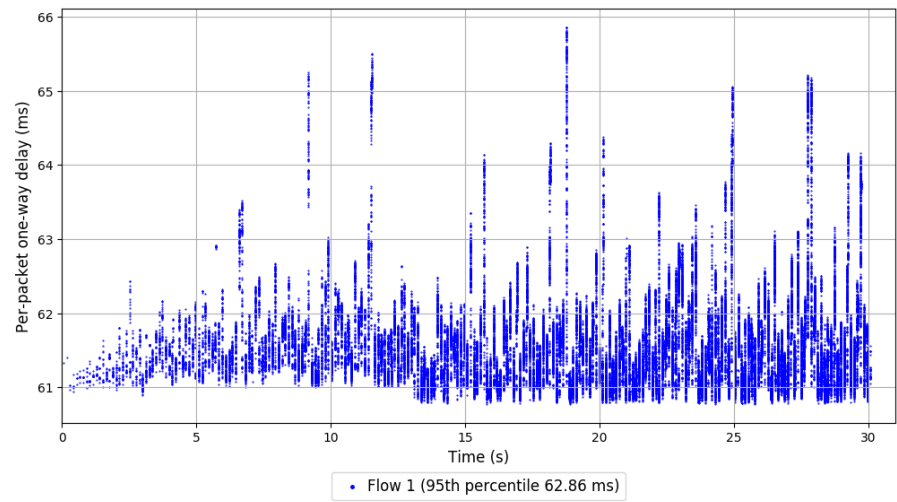
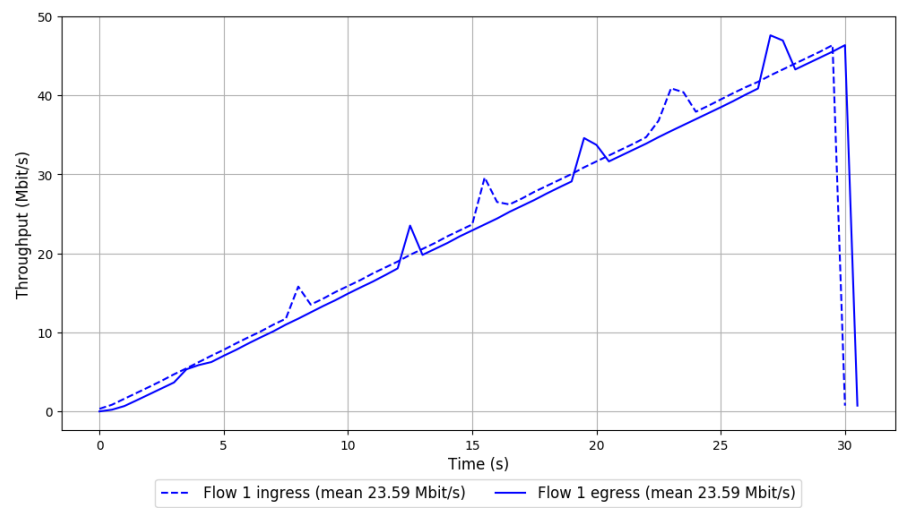
-- Flow 1:

Average throughput: 23.59 Mbit/s

95th percentile per-packet one-way delay: 62.856 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-25 09:48:22

End at: 2018-07-25 09:48:52

Local clock offset: -0.258 ms

Remote clock offset: 0.213 ms

Below is generated by plot.py at 2018-07-25 13:36:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.89 Mbit/s

95th percentile per-packet one-way delay: 62.985 ms

Loss rate: 0.00%

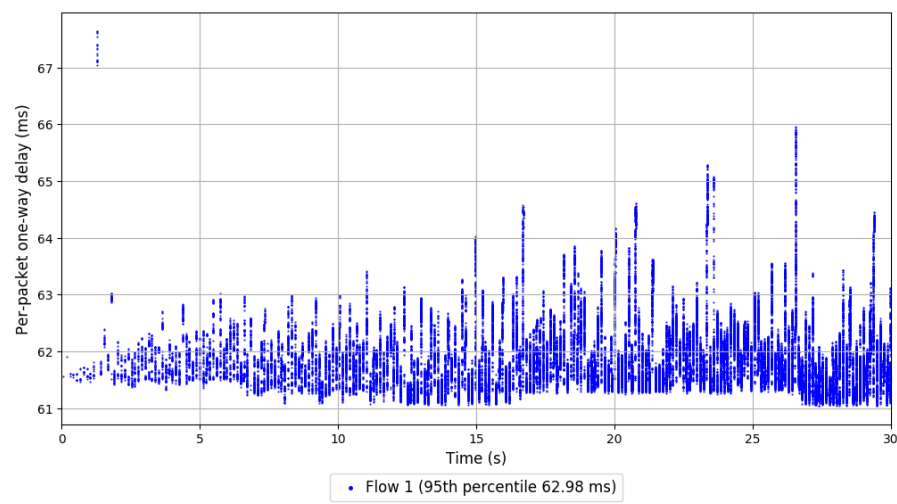
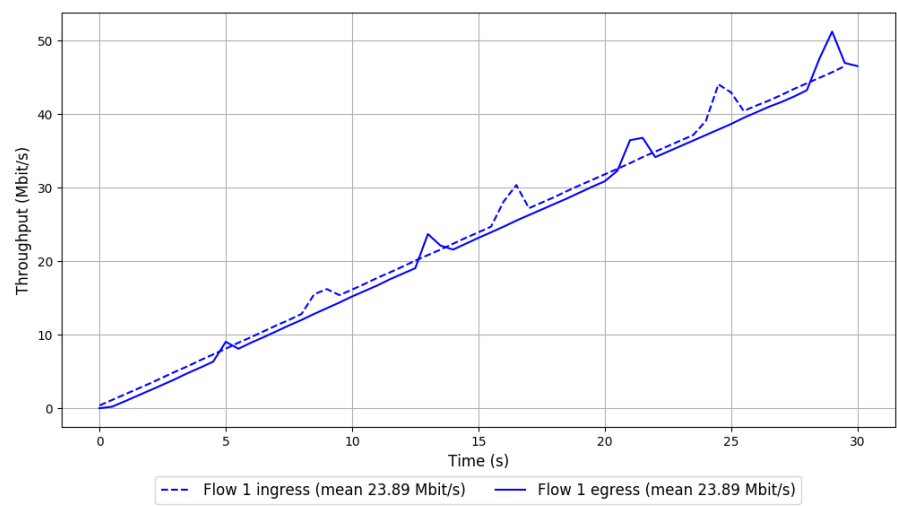
-- Flow 1:

Average throughput: 23.89 Mbit/s

95th percentile per-packet one-way delay: 62.985 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

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

End at: 2018-07-25 10:10:36

Local clock offset: -0.167 ms

Remote clock offset: 0.088 ms

Below is generated by plot.py at 2018-07-25 13:36:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.91 Mbit/s

95th percentile per-packet one-way delay: 63.128 ms

Loss rate: 0.00%

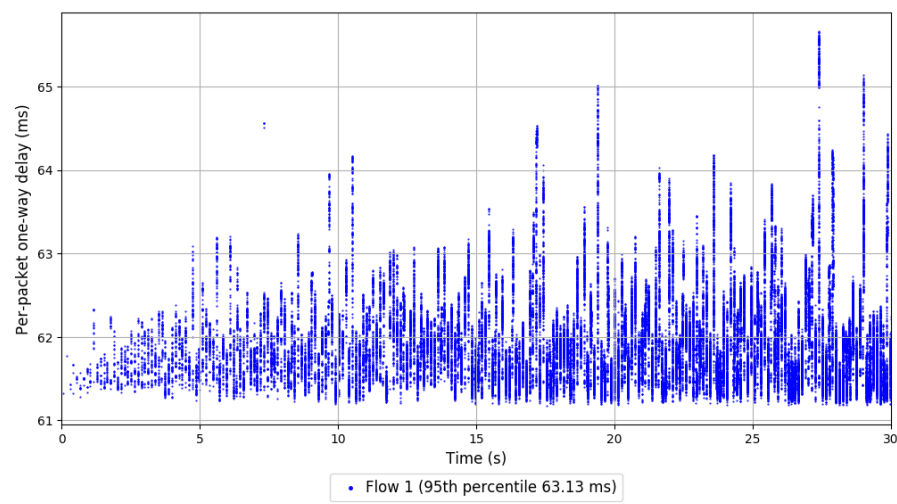
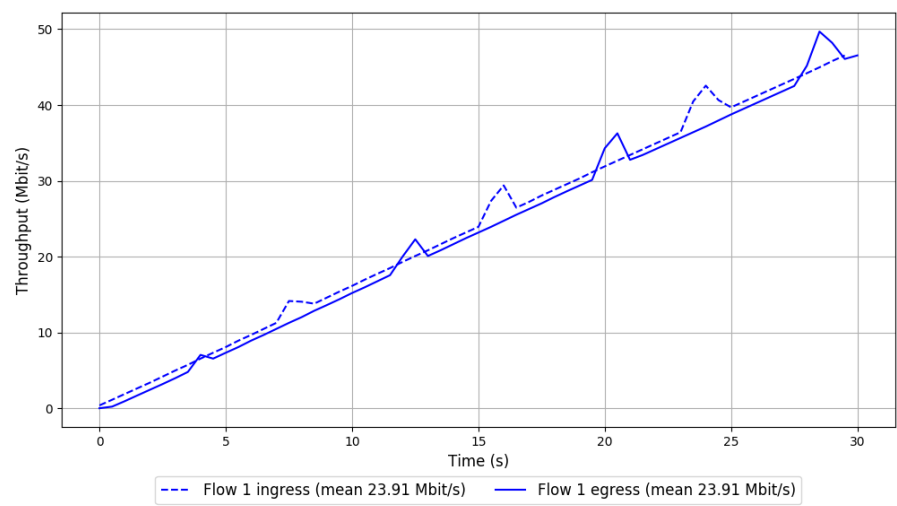
-- Flow 1:

Average throughput: 23.91 Mbit/s

95th percentile per-packet one-way delay: 63.128 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

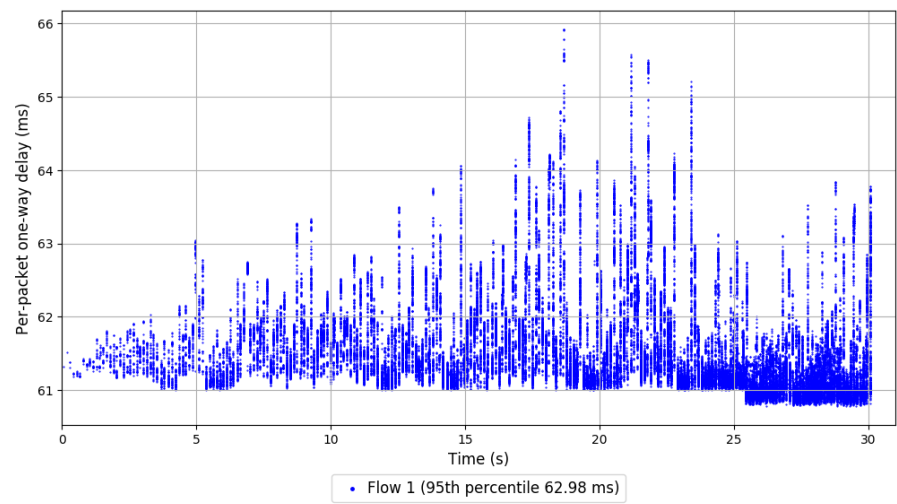
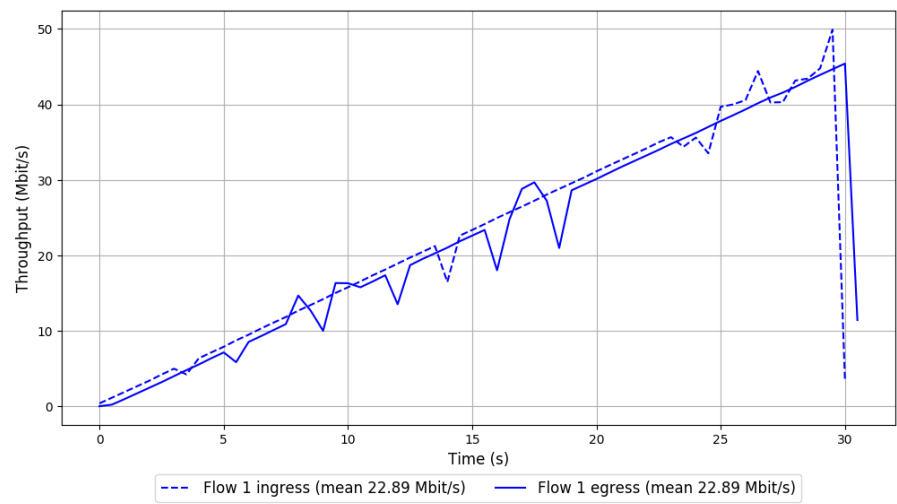


Run 5: Statistics of LEDBAT

Start at: 2018-07-25 10:31:23
End at: 2018-07-25 10:31:53
Local clock offset: 0.05 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-07-25 13:36:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.89 Mbit/s
95th percentile per-packet one-way delay: 62.981 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.89 Mbit/s
95th percentile per-packet one-way delay: 62.981 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-25 10:52:37

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

Local clock offset: 0.102 ms

Remote clock offset: 0.083 ms

Below is generated by plot.py at 2018-07-25 13:36:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.93 Mbit/s

95th percentile per-packet one-way delay: 63.359 ms

Loss rate: 0.00%

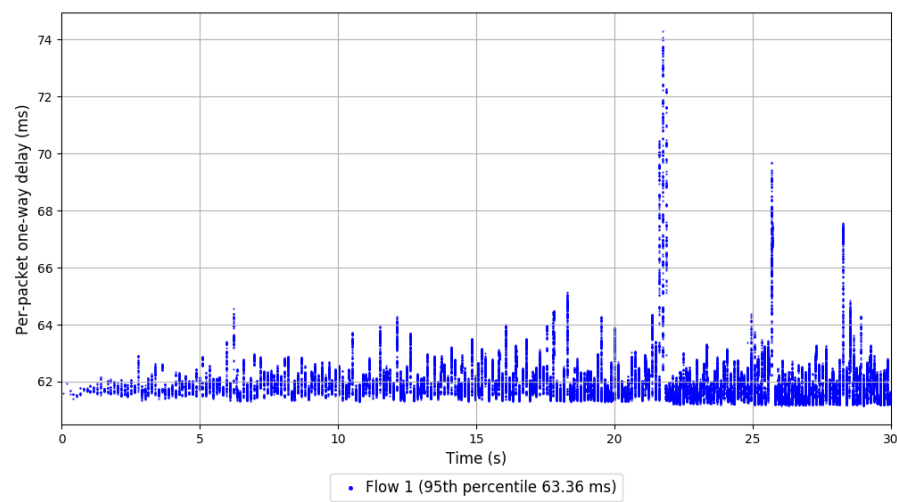
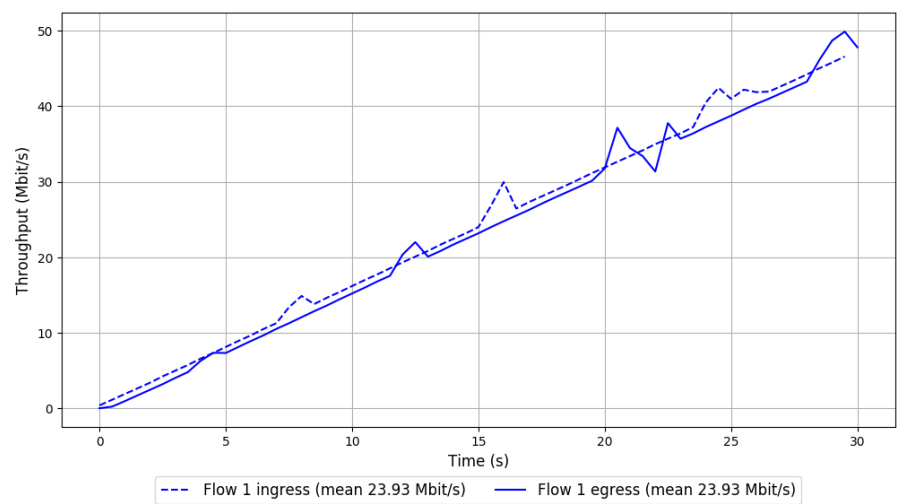
-- Flow 1:

Average throughput: 23.93 Mbit/s

95th percentile per-packet one-way delay: 63.359 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

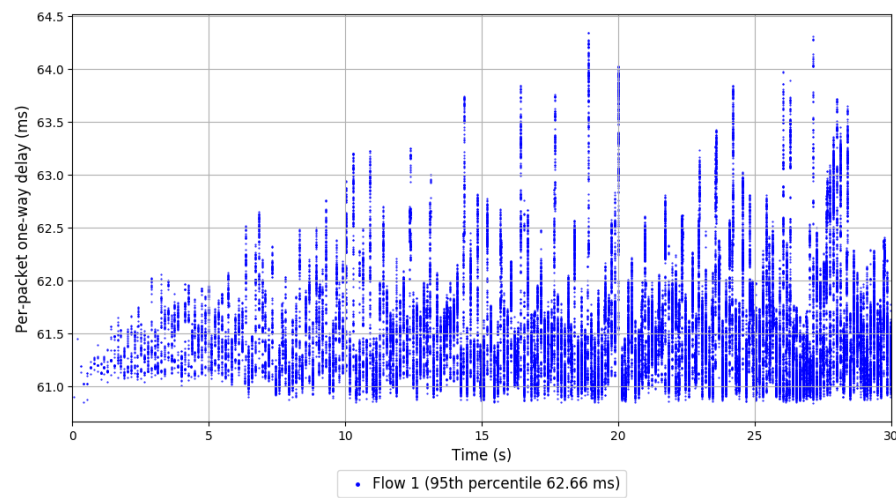
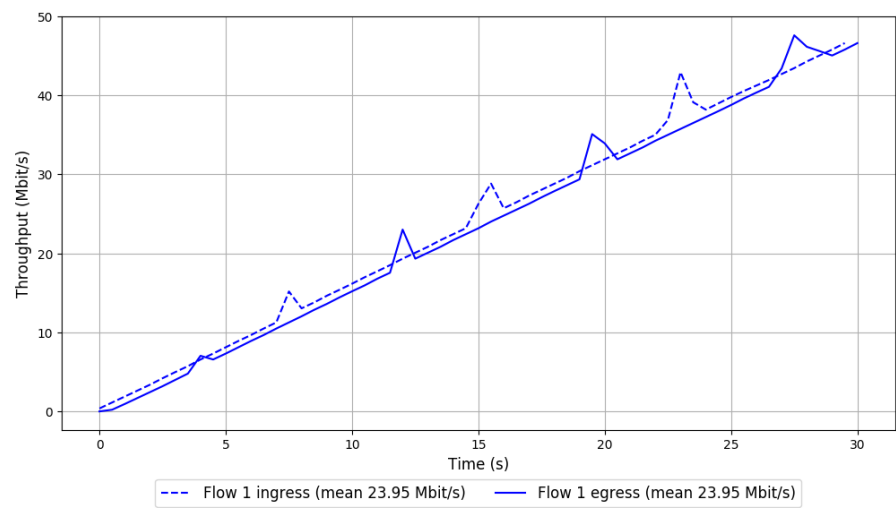


Run 7: Statistics of LEDBAT

Start at: 2018-07-25 11:14:24
End at: 2018-07-25 11:14:54
Local clock offset: 0.212 ms
Remote clock offset: -0.327 ms

Below is generated by plot.py at 2018-07-25 13:36:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.95 Mbit/s
95th percentile per-packet one-way delay: 62.656 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.95 Mbit/s
95th percentile per-packet one-way delay: 62.656 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

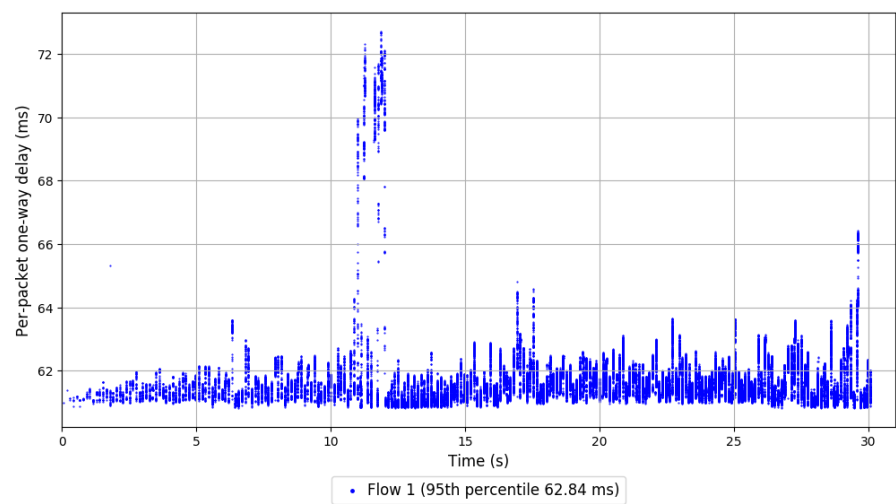
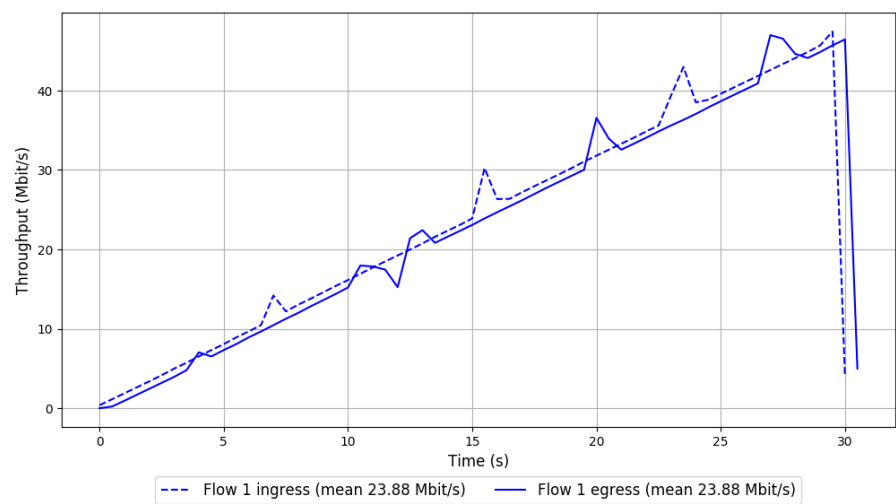


Run 8: Statistics of LEDBAT

Start at: 2018-07-25 11:35:53
End at: 2018-07-25 11:36:23
Local clock offset: 0.16 ms
Remote clock offset: -0.253 ms

Below is generated by plot.py at 2018-07-25 13:36:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.88 Mbit/s
95th percentile per-packet one-way delay: 62.838 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.88 Mbit/s
95th percentile per-packet one-way delay: 62.838 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-25 11:57:30

End at: 2018-07-25 11:58:00

Local clock offset: 0.019 ms

Remote clock offset: 0.124 ms

Below is generated by plot.py at 2018-07-25 13:36:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.24 Mbit/s

95th percentile per-packet one-way delay: 63.065 ms

Loss rate: 0.00%

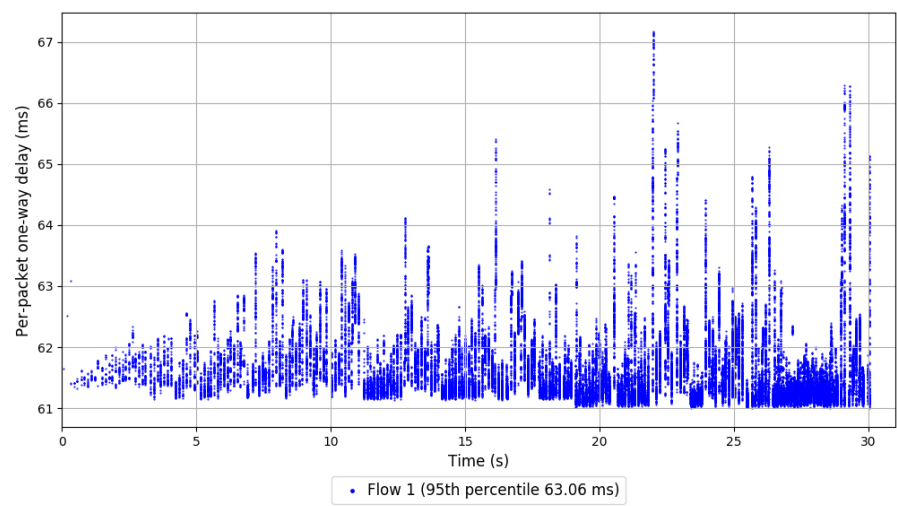
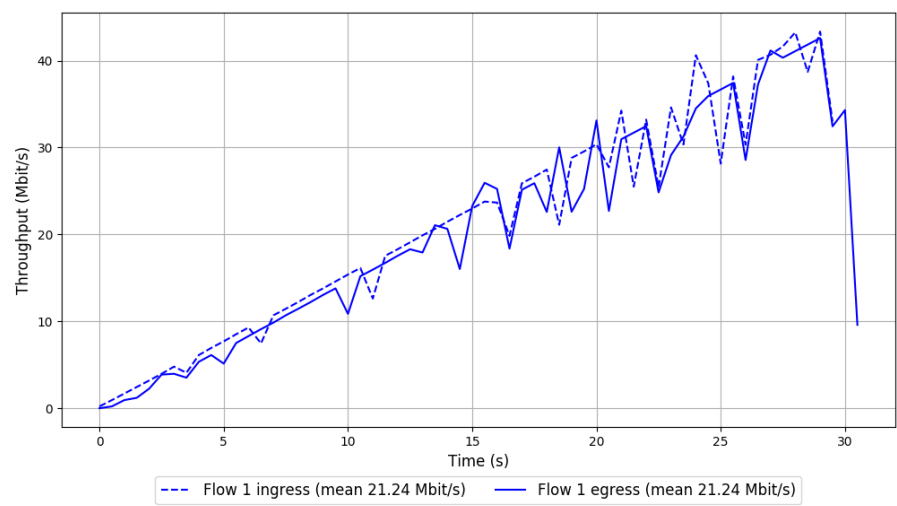
-- Flow 1:

Average throughput: 21.24 Mbit/s

95th percentile per-packet one-way delay: 63.065 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-25 12:19:10

End at: 2018-07-25 12:19:40

Local clock offset: -0.093 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-07-25 13:36:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.87 Mbit/s

95th percentile per-packet one-way delay: 63.110 ms

Loss rate: 0.00%

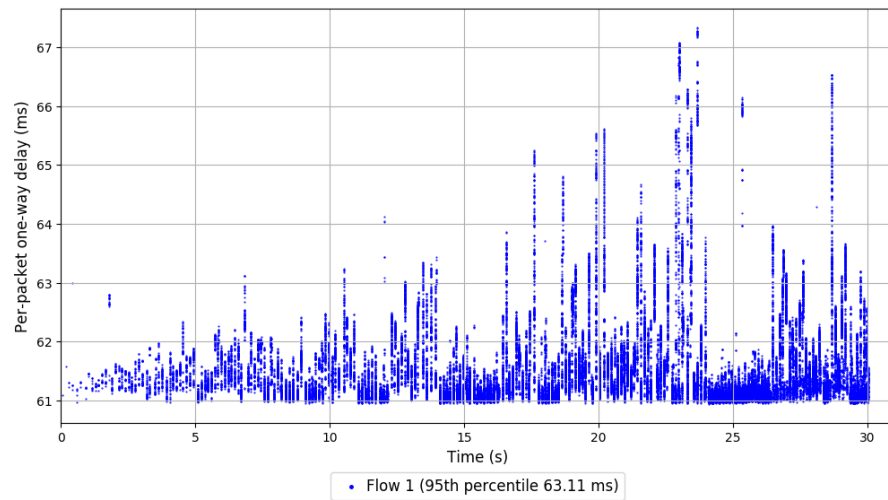
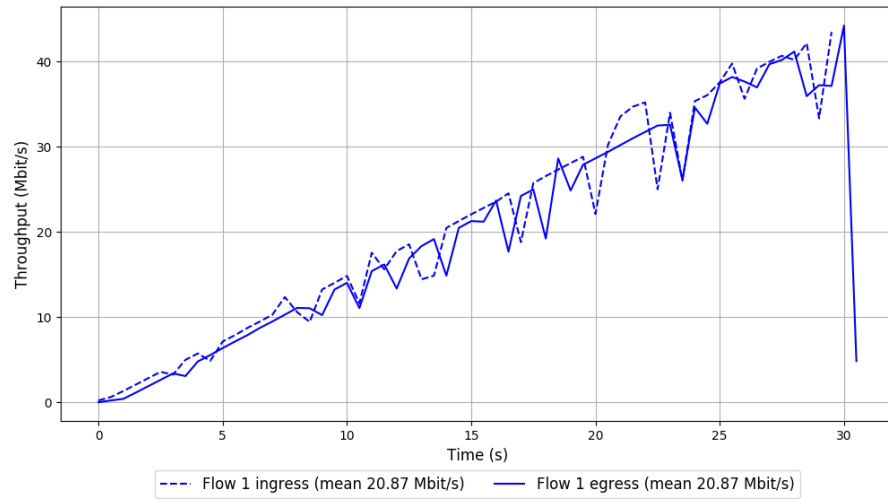
-- Flow 1:

Average throughput: 20.87 Mbit/s

95th percentile per-packet one-way delay: 63.110 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

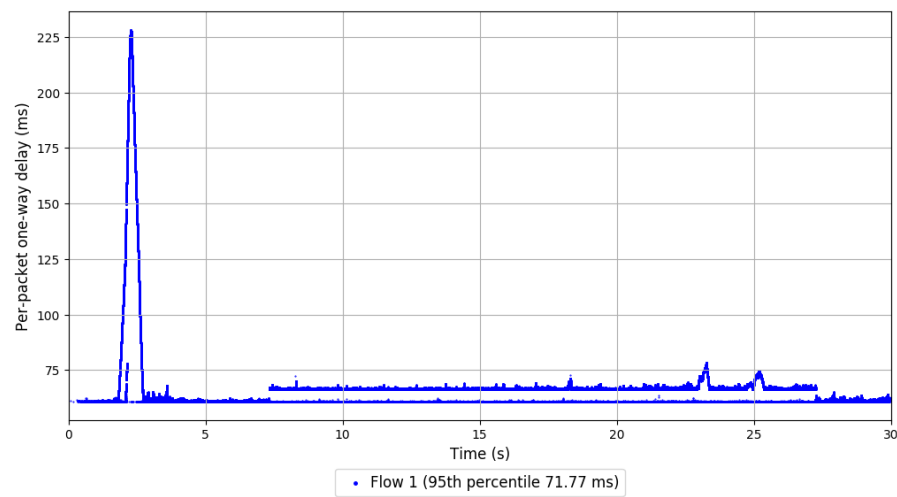
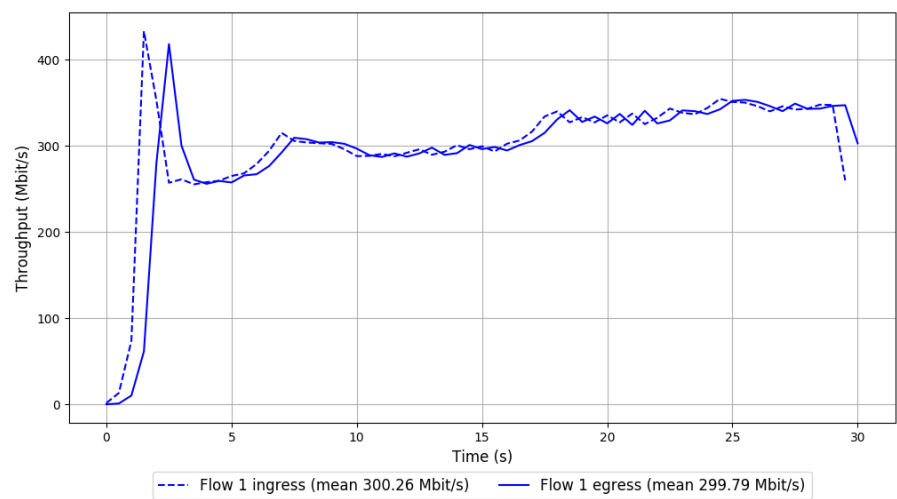


Run 1: Statistics of PCC-Allegro

Start at: 2018-07-25 09:06:21
End at: 2018-07-25 09:06:51
Local clock offset: -0.235 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2018-07-25 13:40:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 299.79 Mbit/s
95th percentile per-packet one-way delay: 71.770 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 299.79 Mbit/s
95th percentile per-packet one-way delay: 71.770 ms
Loss rate: 0.15%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-25 09:28:03

End at: 2018-07-25 09:28:33

Local clock offset: -0.262 ms

Remote clock offset: 0.202 ms

Below is generated by plot.py at 2018-07-25 13:40:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 301.64 Mbit/s

95th percentile per-packet one-way delay: 79.554 ms

Loss rate: 0.13%

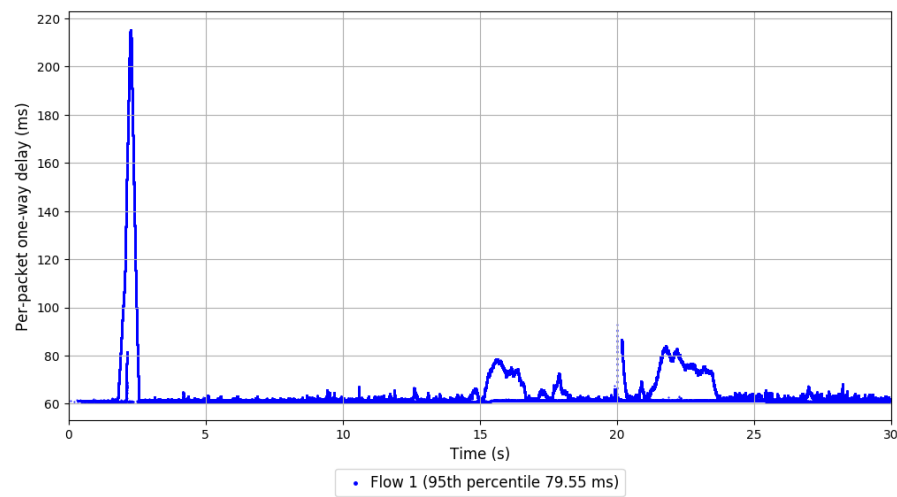
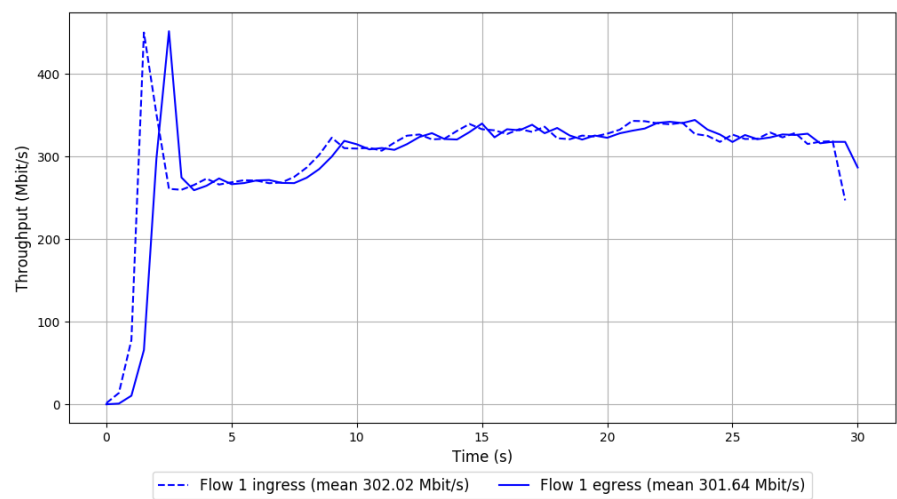
-- Flow 1:

Average throughput: 301.64 Mbit/s

95th percentile per-packet one-way delay: 79.554 ms

Loss rate: 0.13%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-25 09:49:30

End at: 2018-07-25 09:50:00

Local clock offset: -0.307 ms

Remote clock offset: 0.339 ms

Below is generated by plot.py at 2018-07-25 13:40:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 257.36 Mbit/s

95th percentile per-packet one-way delay: 140.885 ms

Loss rate: 0.31%

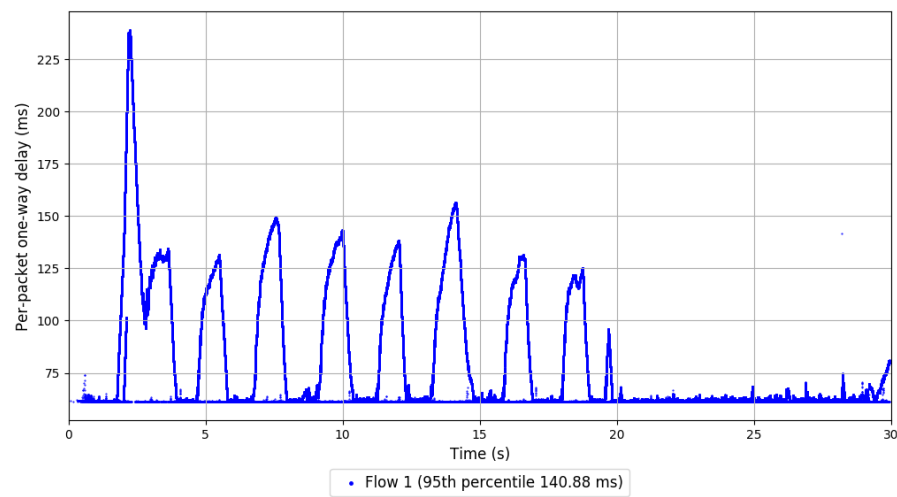
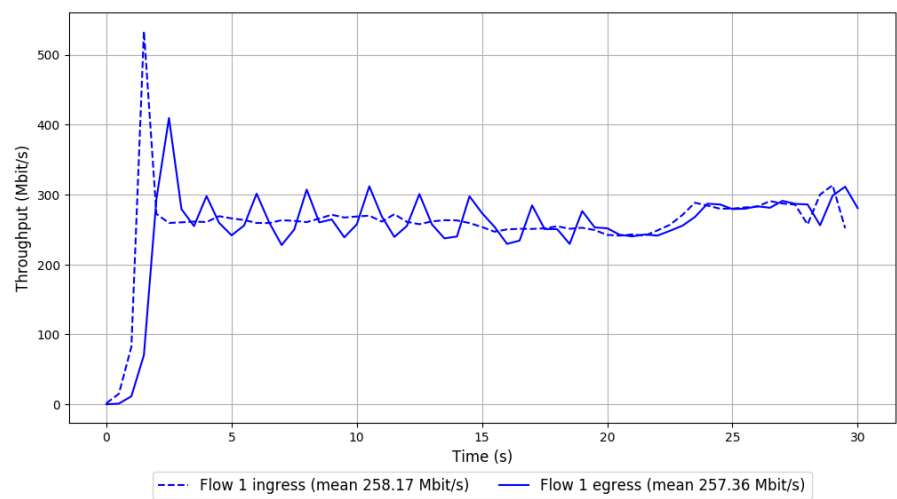
-- Flow 1:

Average throughput: 257.36 Mbit/s

95th percentile per-packet one-way delay: 140.885 ms

Loss rate: 0.31%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-25 10:11:14

End at: 2018-07-25 10:11:44

Local clock offset: -0.172 ms

Remote clock offset: 0.134 ms

Below is generated by plot.py at 2018-07-25 13:40:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 310.02 Mbit/s

95th percentile per-packet one-way delay: 141.719 ms

Loss rate: 0.42%

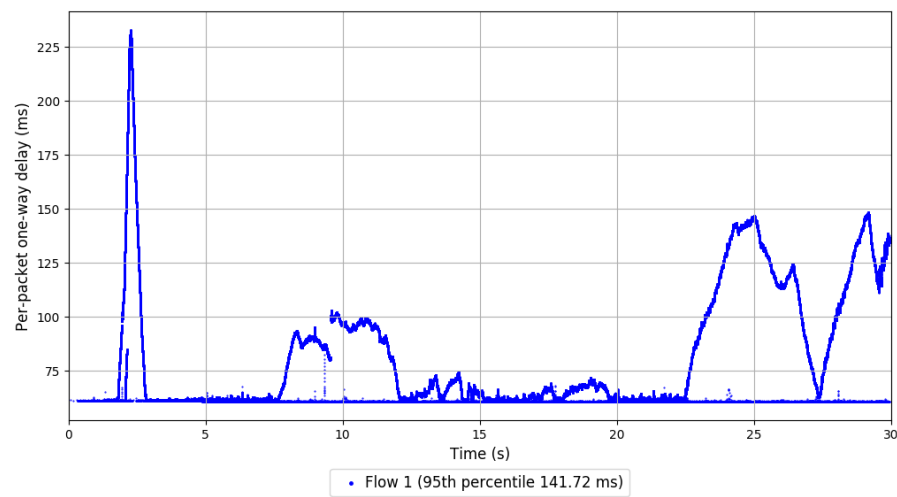
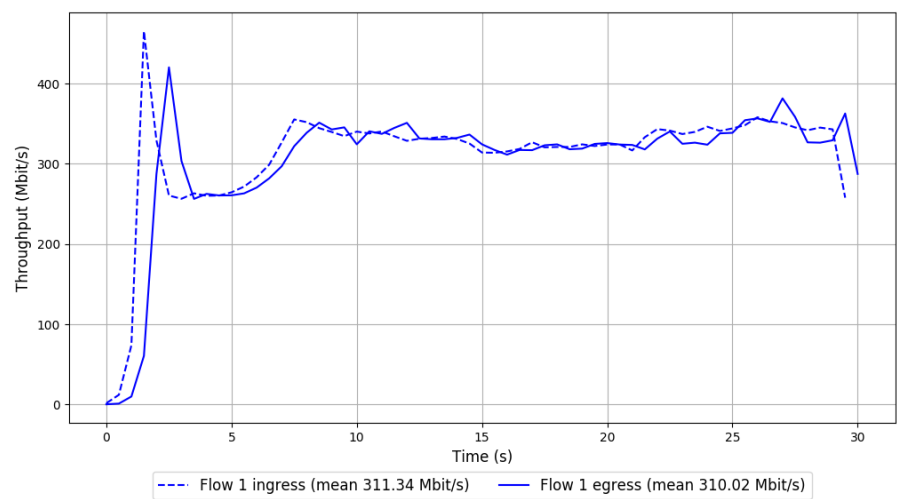
-- Flow 1:

Average throughput: 310.02 Mbit/s

95th percentile per-packet one-way delay: 141.719 ms

Loss rate: 0.42%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-25 10:32:31

End at: 2018-07-25 10:33:01

Local clock offset: 0.075 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-07-25 13:40:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 305.77 Mbit/s

95th percentile per-packet one-way delay: 110.799 ms

Loss rate: 0.14%

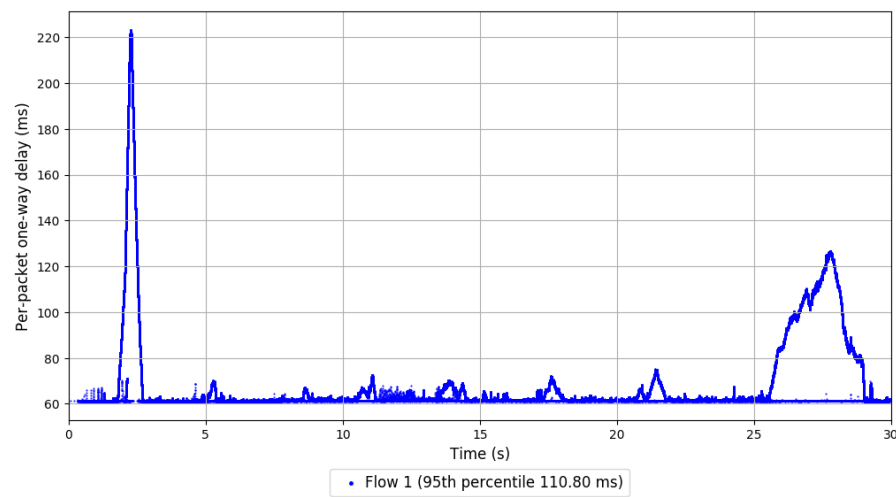
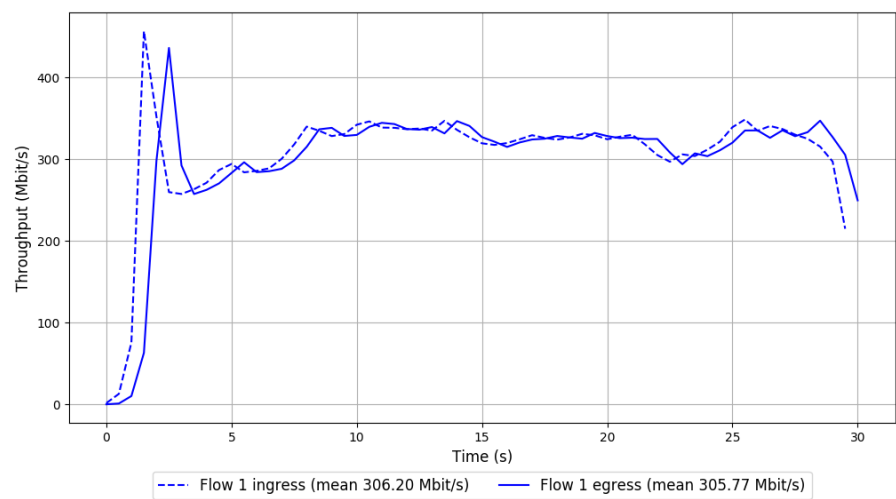
-- Flow 1:

Average throughput: 305.77 Mbit/s

95th percentile per-packet one-way delay: 110.799 ms

Loss rate: 0.14%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-25 10:53:44

End at: 2018-07-25 10:54:14

Local clock offset: 0.107 ms

Remote clock offset: 0.079 ms

Below is generated by plot.py at 2018-07-25 13:40:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 314.80 Mbit/s

95th percentile per-packet one-way delay: 94.095 ms

Loss rate: 0.14%

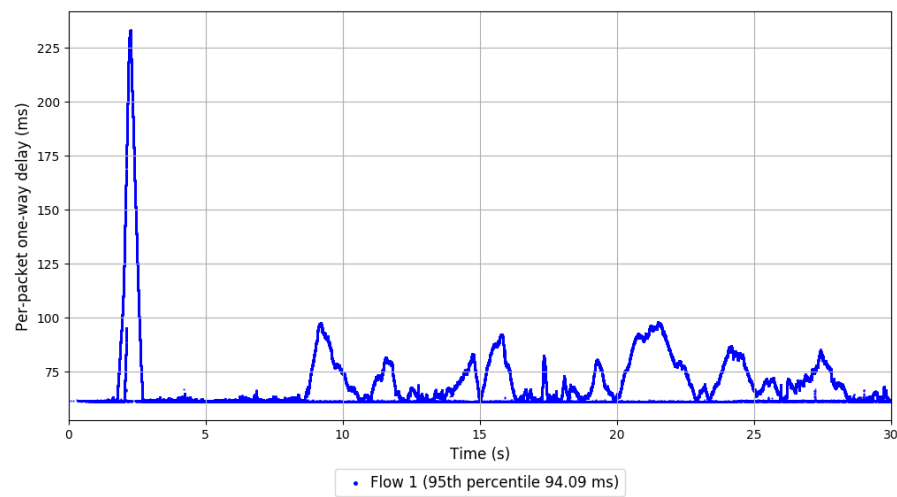
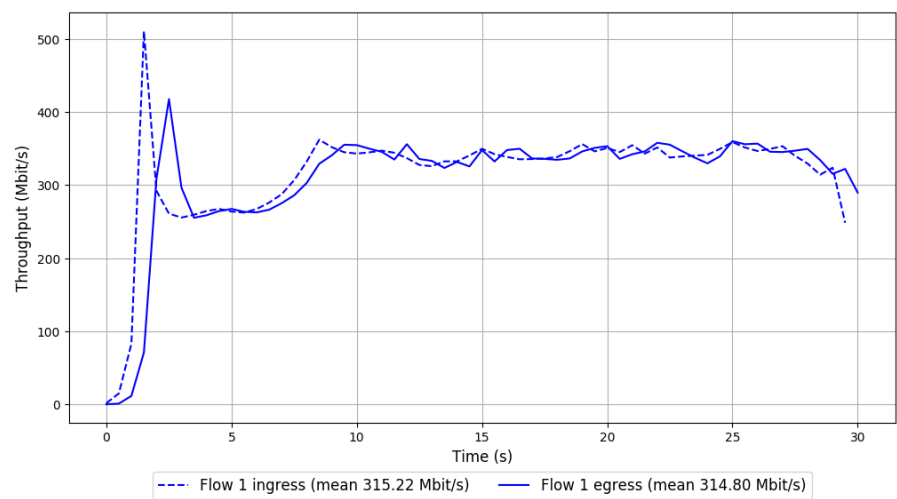
-- Flow 1:

Average throughput: 314.80 Mbit/s

95th percentile per-packet one-way delay: 94.095 ms

Loss rate: 0.14%

Run 6: Report of PCC-Allegro — Data Link

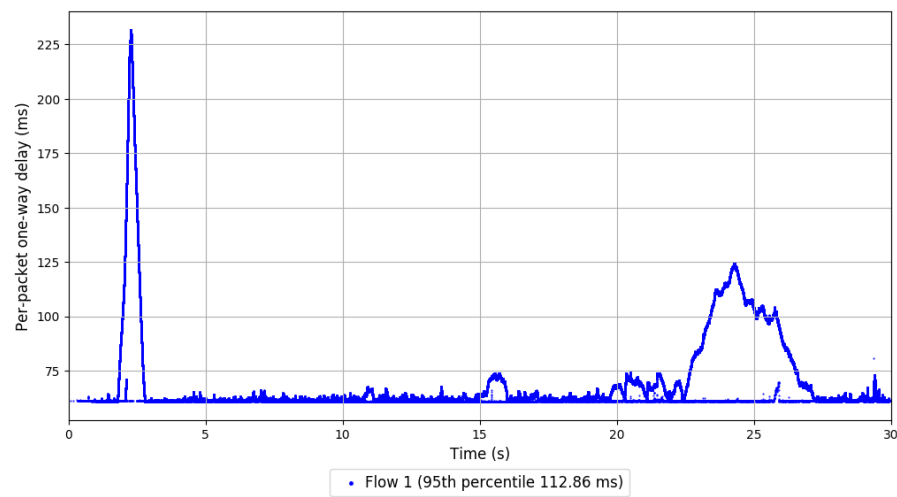
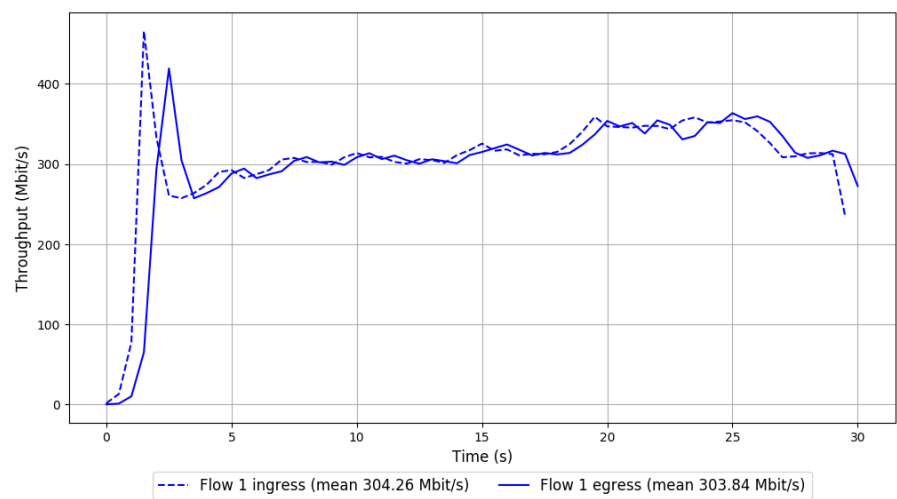


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-25 11:15:31
End at: 2018-07-25 11:16:02
Local clock offset: 0.183 ms
Remote clock offset: -0.181 ms

Below is generated by plot.py at 2018-07-25 13:42:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 303.84 Mbit/s
95th percentile per-packet one-way delay: 112.858 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 303.84 Mbit/s
95th percentile per-packet one-way delay: 112.858 ms
Loss rate: 0.14%

Run 7: Report of PCC-Allegro — Data Link

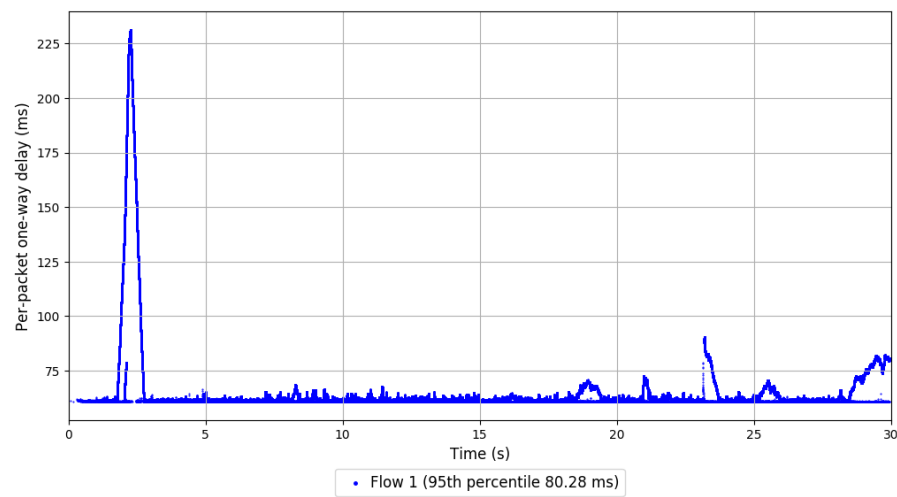
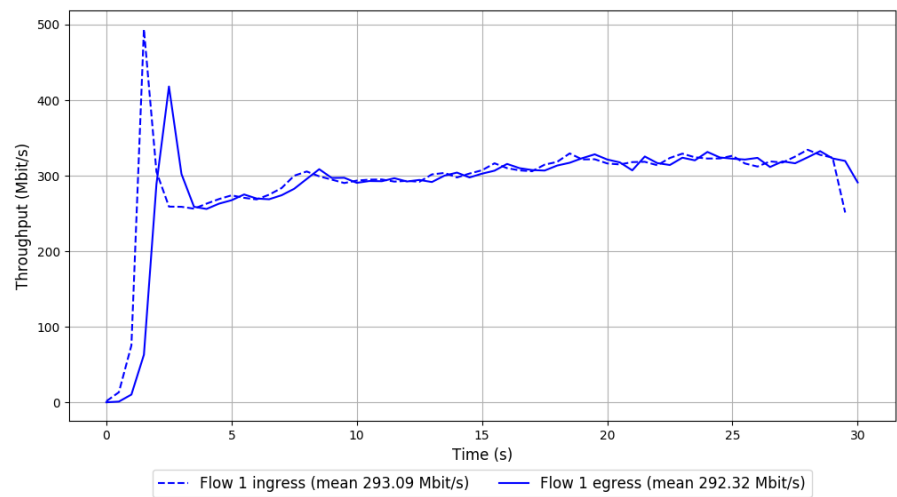


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-25 11:37:00
End at: 2018-07-25 11:37:30
Local clock offset: 0.184 ms
Remote clock offset: -0.171 ms

Below is generated by plot.py at 2018-07-25 13:43:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 292.32 Mbit/s
95th percentile per-packet one-way delay: 80.285 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 292.32 Mbit/s
95th percentile per-packet one-way delay: 80.285 ms
Loss rate: 0.26%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-25 11:58:37

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

Local clock offset: -0.064 ms

Remote clock offset: 0.233 ms

Below is generated by plot.py at 2018-07-25 13:44:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 278.70 Mbit/s

95th percentile per-packet one-way delay: 112.487 ms

Loss rate: 0.24%

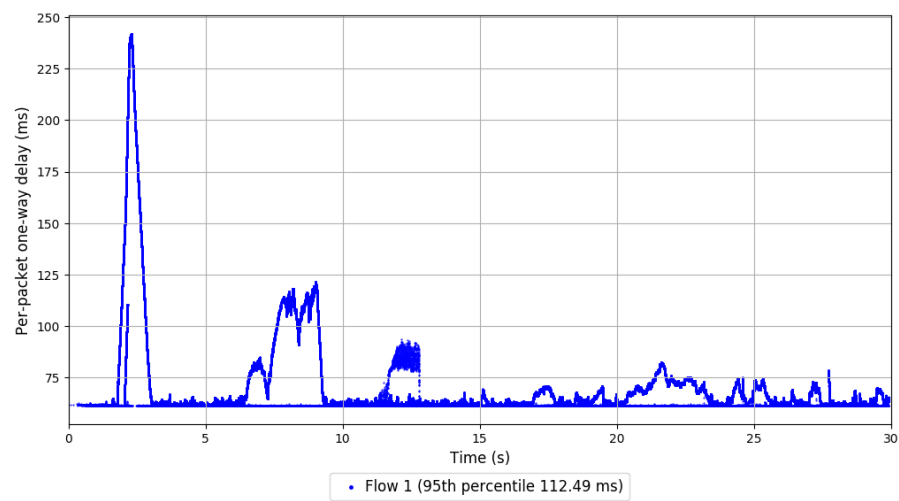
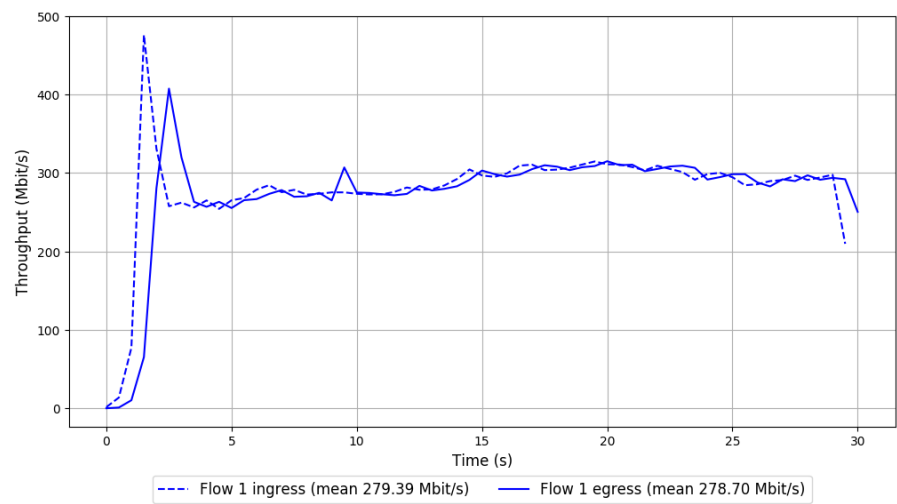
-- Flow 1:

Average throughput: 278.70 Mbit/s

95th percentile per-packet one-way delay: 112.487 ms

Loss rate: 0.24%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-25 12:20:18

End at: 2018-07-25 12:20:48

Local clock offset: -0.105 ms

Remote clock offset: 0.06 ms

Below is generated by plot.py at 2018-07-25 13:45:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 302.59 Mbit/s

95th percentile per-packet one-way delay: 102.723 ms

Loss rate: 0.20%

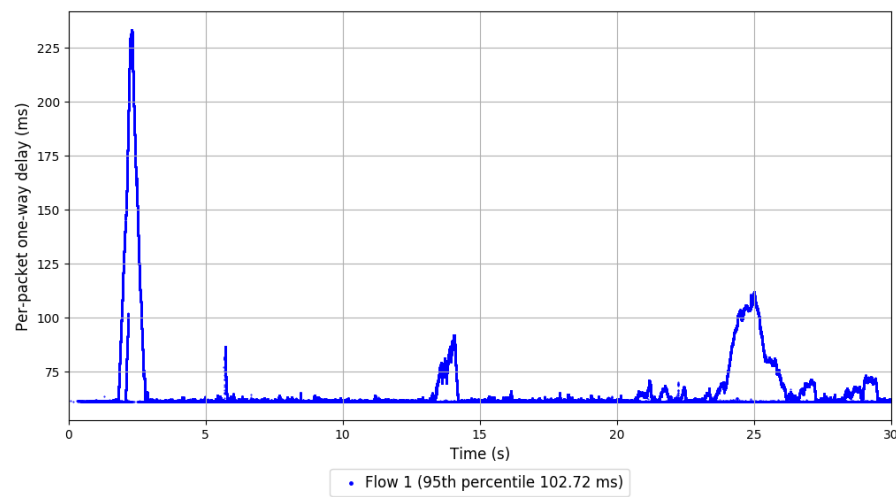
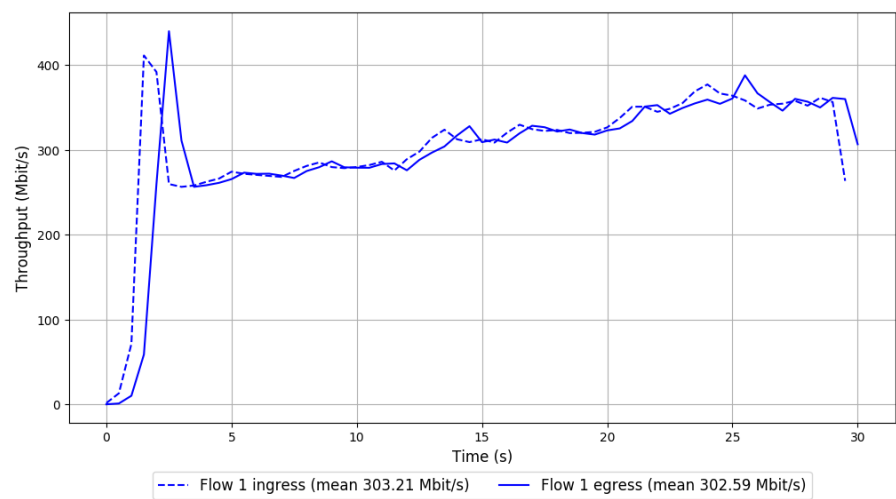
-- Flow 1:

Average throughput: 302.59 Mbit/s

95th percentile per-packet one-way delay: 102.723 ms

Loss rate: 0.20%

Run 10: Report of PCC-Allegro — Data Link

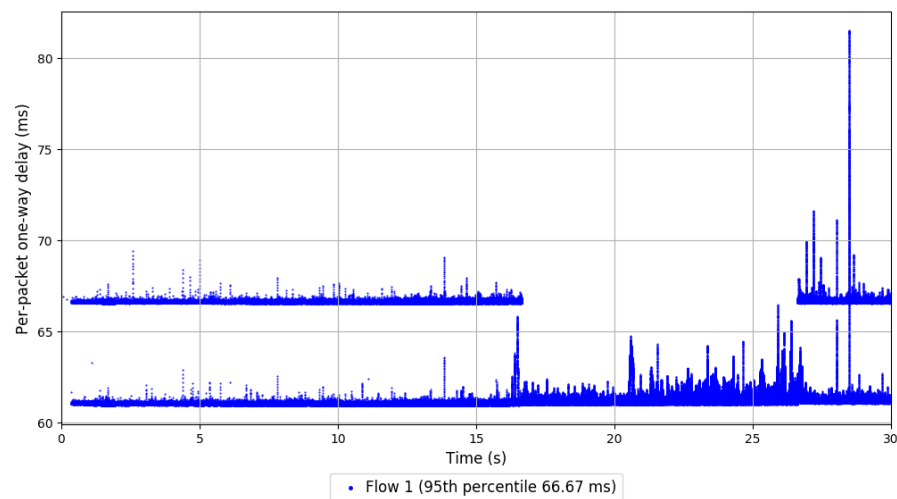
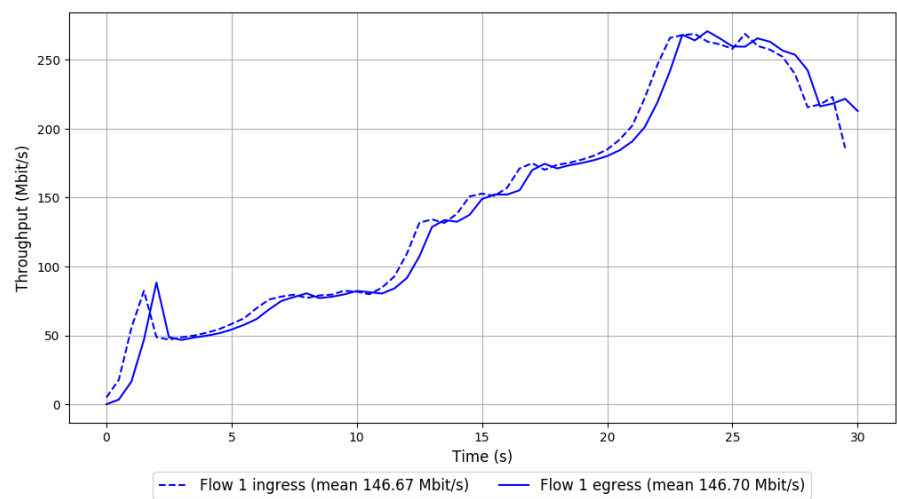


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-25 09:13:52
End at: 2018-07-25 09:14:22
Local clock offset: -0.262 ms
Remote clock offset: 0.019 ms

# Below is generated by plot.py at 2018-07-25 13:45:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 146.70 Mbit/s
95th percentile per-packet one-way delay: 66.668 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 146.70 Mbit/s
95th percentile per-packet one-way delay: 66.668 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Expr — Data Link

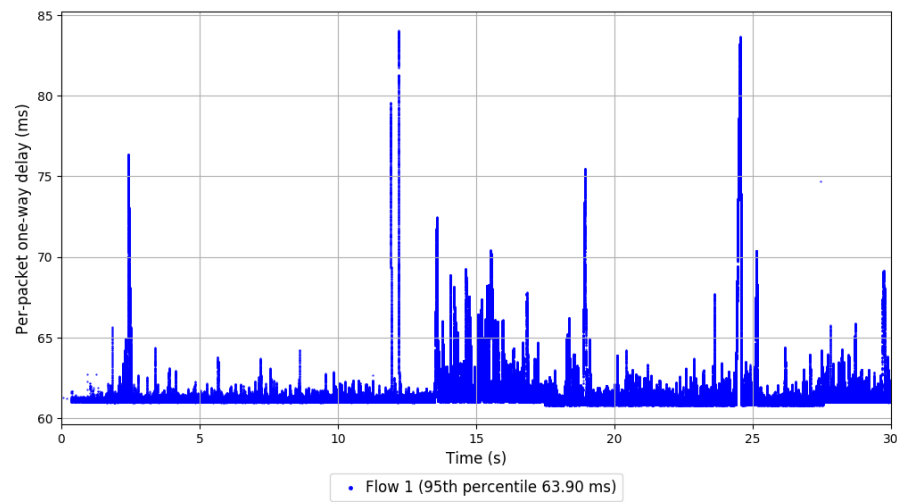
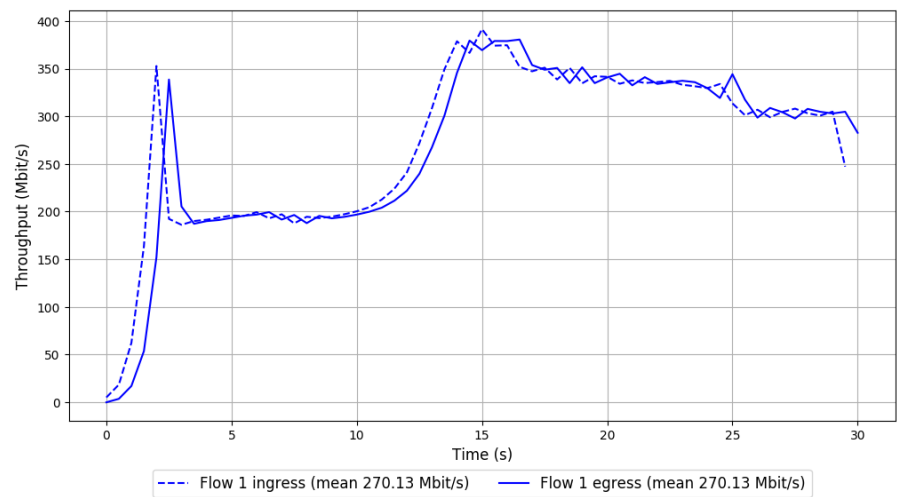


Run 2: Statistics of PCC-Expr

Start at: 2018-07-25 09:35:11
End at: 2018-07-25 09:35:41
Local clock offset: -0.261 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-07-25 13:50:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 270.13 Mbit/s
95th percentile per-packet one-way delay: 63.899 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 270.13 Mbit/s
95th percentile per-packet one-way delay: 63.899 ms
Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

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

End at: 2018-07-25 09:57:27

Local clock offset: -0.332 ms

Remote clock offset: 0.101 ms

Below is generated by plot.py at 2018-07-25 13:50:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 280.61 Mbit/s

95th percentile per-packet one-way delay: 233.351 ms

Loss rate: 4.43%

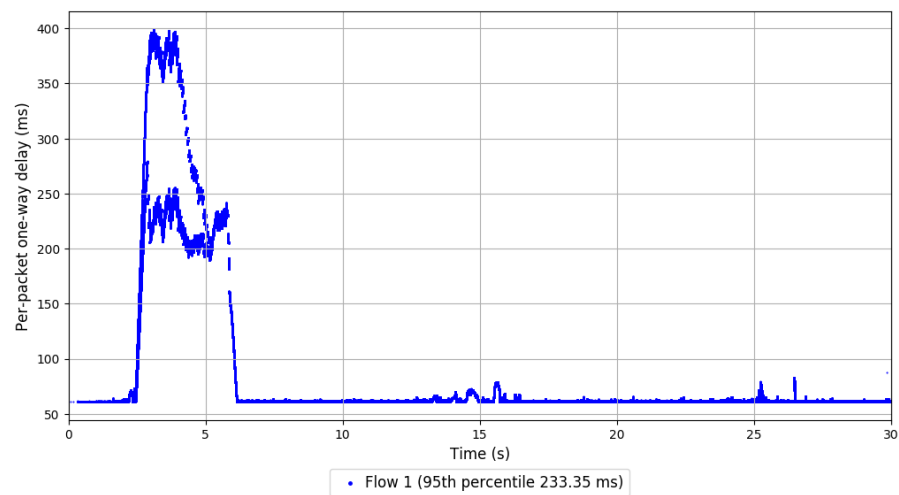
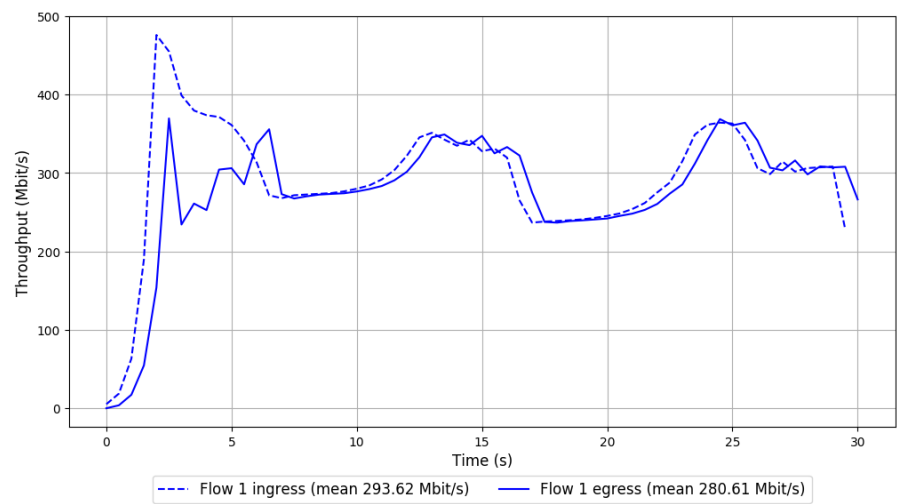
-- Flow 1:

Average throughput: 280.61 Mbit/s

95th percentile per-packet one-way delay: 233.351 ms

Loss rate: 4.43%

Run 3: Report of PCC-Expr — Data Link

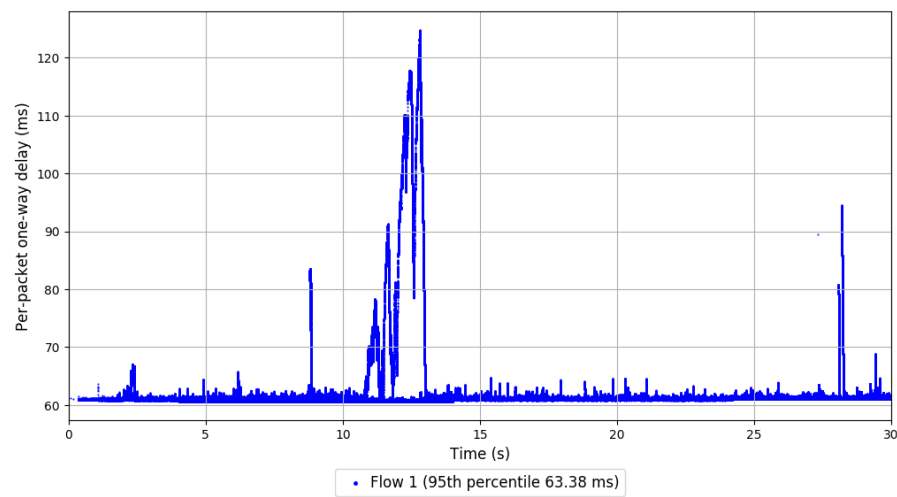
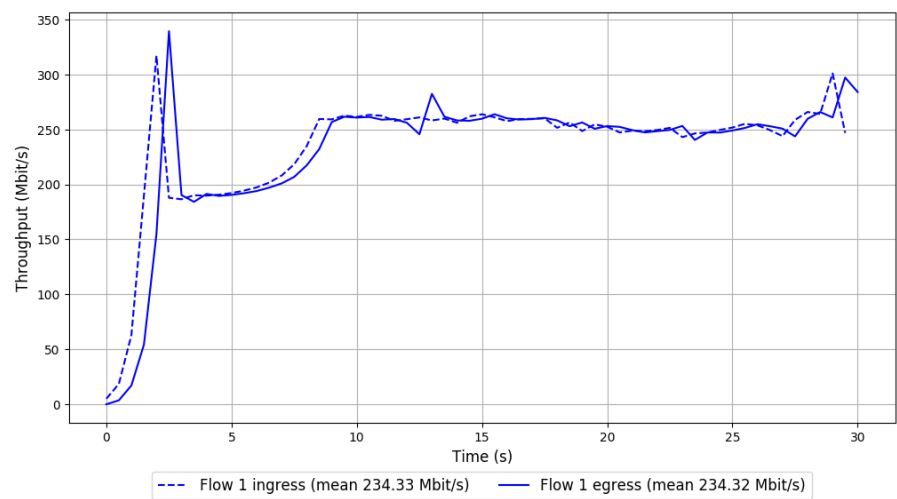


Run 4: Statistics of PCC-Expr

Start at: 2018-07-25 10:18:14
End at: 2018-07-25 10:18:45
Local clock offset: -0.057 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-25 13:50:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 234.32 Mbit/s
95th percentile per-packet one-way delay: 63.377 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 234.32 Mbit/s
95th percentile per-packet one-way delay: 63.377 ms
Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-25 10:39:38

End at: 2018-07-25 10:40:08

Local clock offset: 0.105 ms

Remote clock offset: 0.121 ms

Below is generated by plot.py at 2018-07-25 13:50:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.28 Mbit/s

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

Loss rate: 0.00%

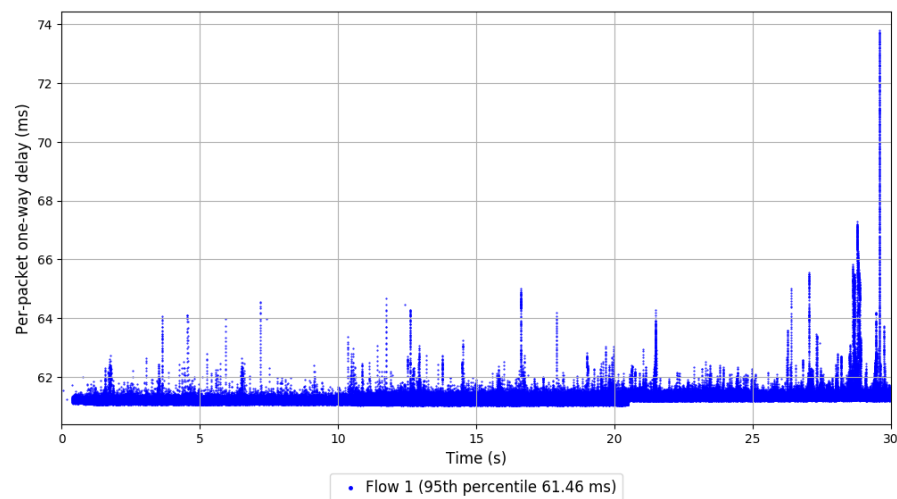
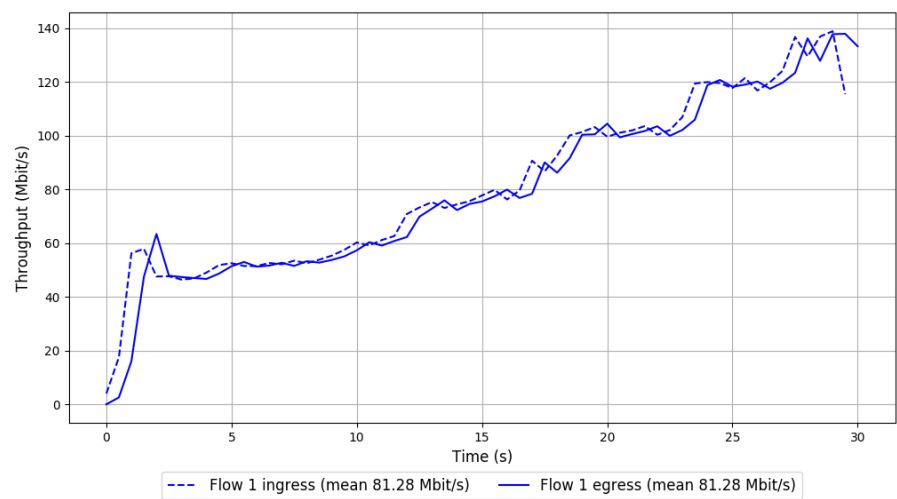
-- Flow 1:

Average throughput: 81.28 Mbit/s

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

Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-25 11:01:13

End at: 2018-07-25 11:01:43

Local clock offset: 0.143 ms

Remote clock offset: 0.109 ms

Below is generated by plot.py at 2018-07-25 13:52:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 244.15 Mbit/s

95th percentile per-packet one-way delay: 64.461 ms

Loss rate: 0.00%

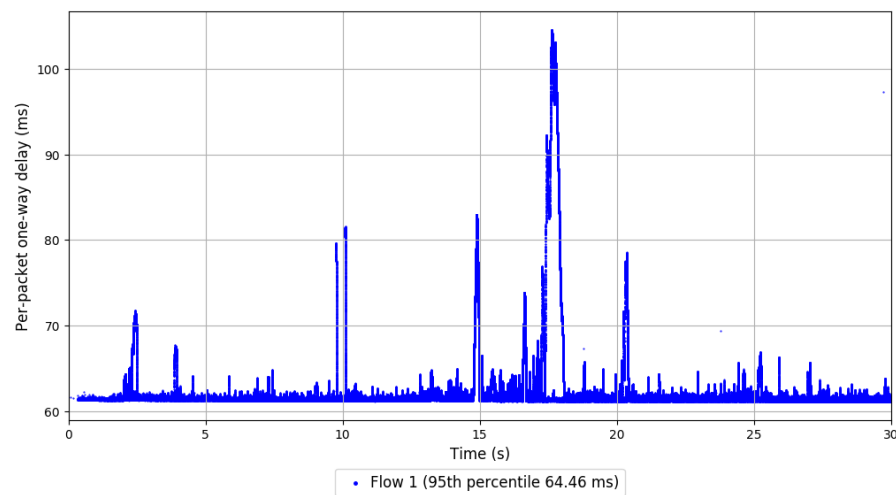
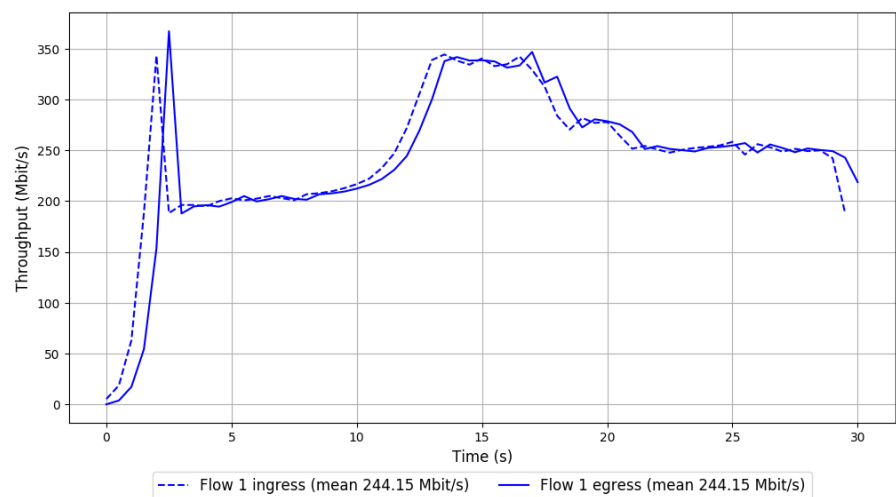
-- Flow 1:

Average throughput: 244.15 Mbit/s

95th percentile per-packet one-way delay: 64.461 ms

Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link

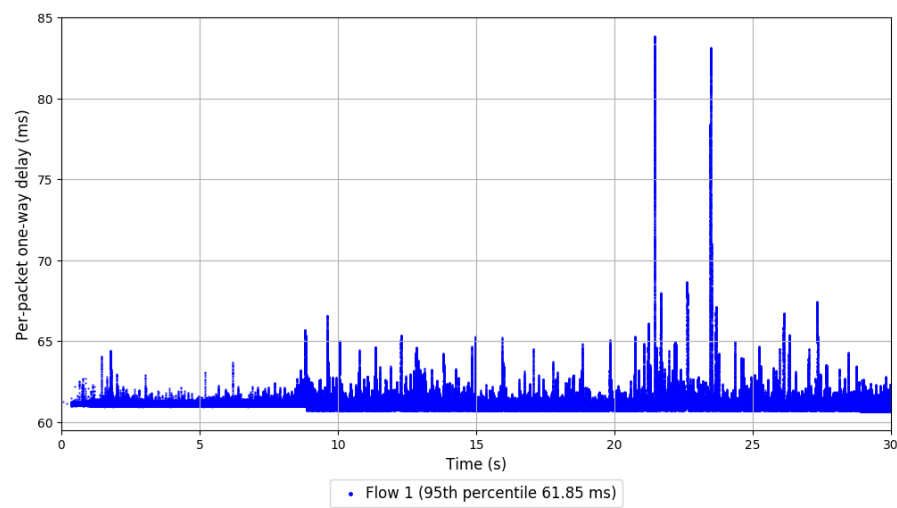
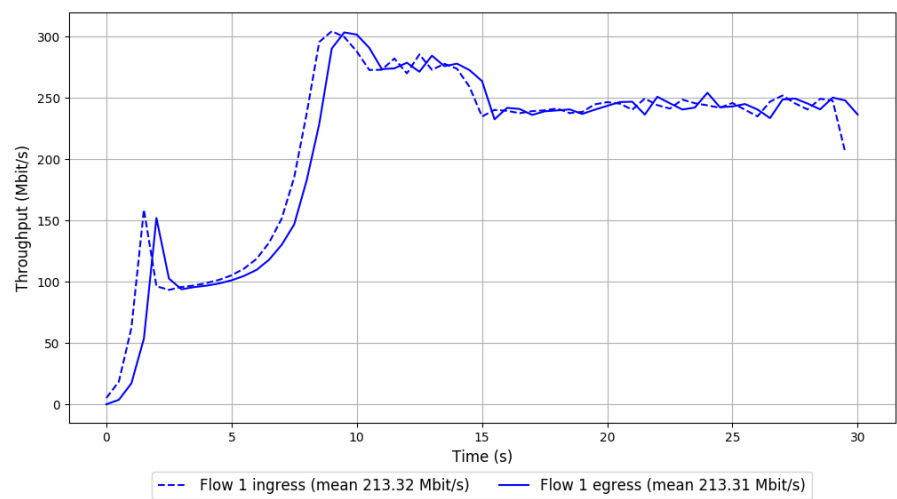


Run 7: Statistics of PCC-Expr

Start at: 2018-07-25 11:23:00
End at: 2018-07-25 11:23:30
Local clock offset: 0.175 ms
Remote clock offset: -0.158 ms

Below is generated by plot.py at 2018-07-25 13:53:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.31 Mbit/s
95th percentile per-packet one-way delay: 61.849 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 213.31 Mbit/s
95th percentile per-packet one-way delay: 61.849 ms
Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link

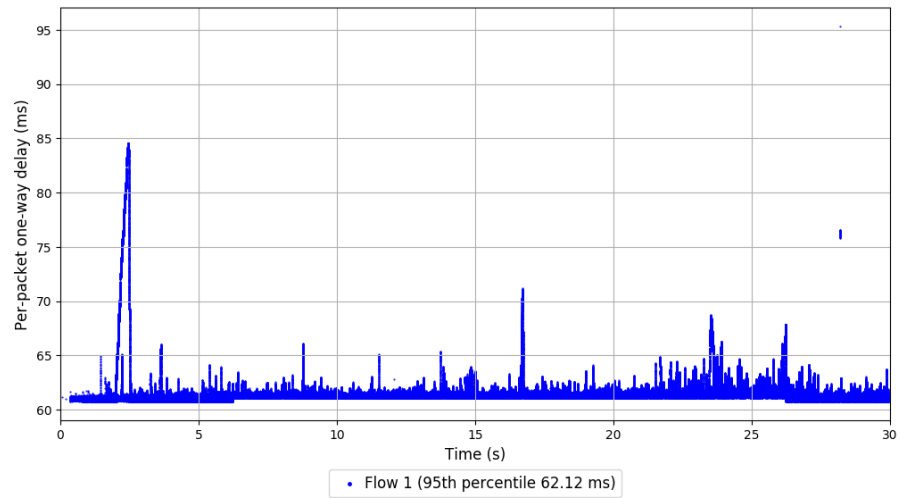
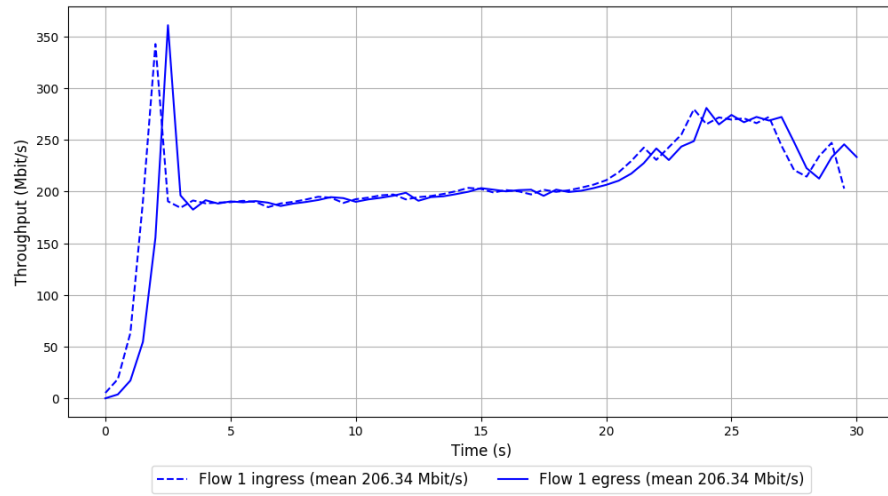


Run 8: Statistics of PCC-Expr

Start at: 2018-07-25 11:44:23
End at: 2018-07-25 11:44:53
Local clock offset: 0.184 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-07-25 13:53:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 206.34 Mbit/s
95th percentile per-packet one-way delay: 62.121 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 206.34 Mbit/s
95th percentile per-packet one-way delay: 62.121 ms
Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link

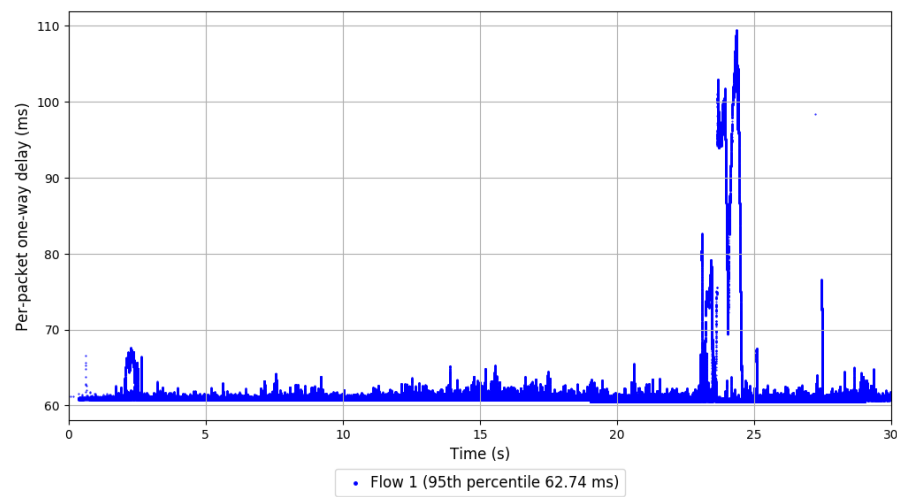
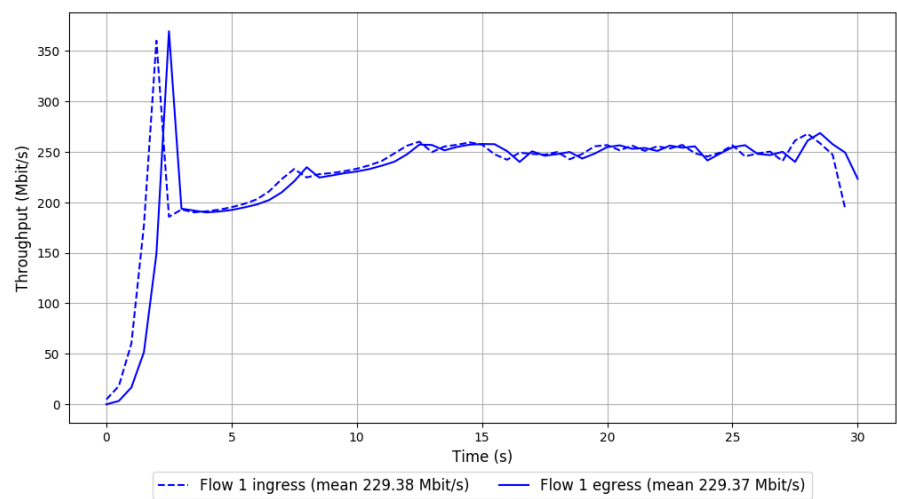


Run 9: Statistics of PCC-Expr

Start at: 2018-07-25 12:06:00
End at: 2018-07-25 12:06:30
Local clock offset: -0.089 ms
Remote clock offset: -0.221 ms

Below is generated by plot.py at 2018-07-25 13:54:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 229.37 Mbit/s
95th percentile per-packet one-way delay: 62.744 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 229.37 Mbit/s
95th percentile per-packet one-way delay: 62.744 ms
Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link

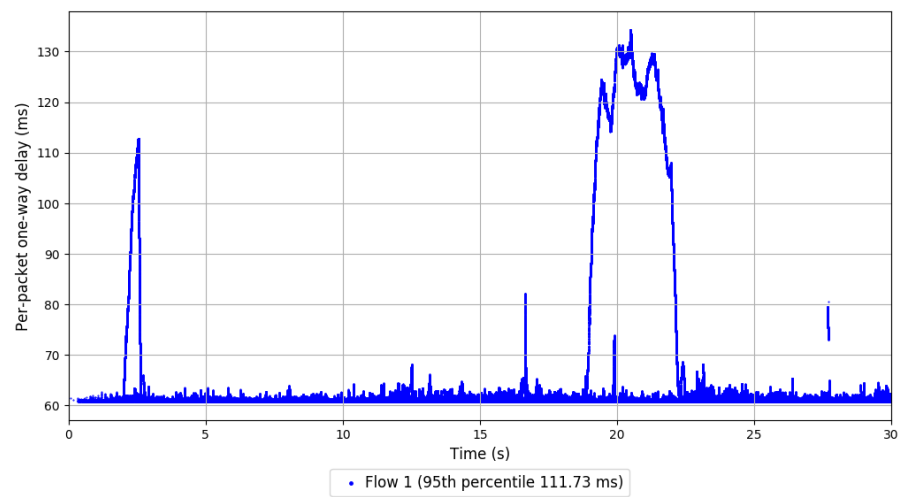
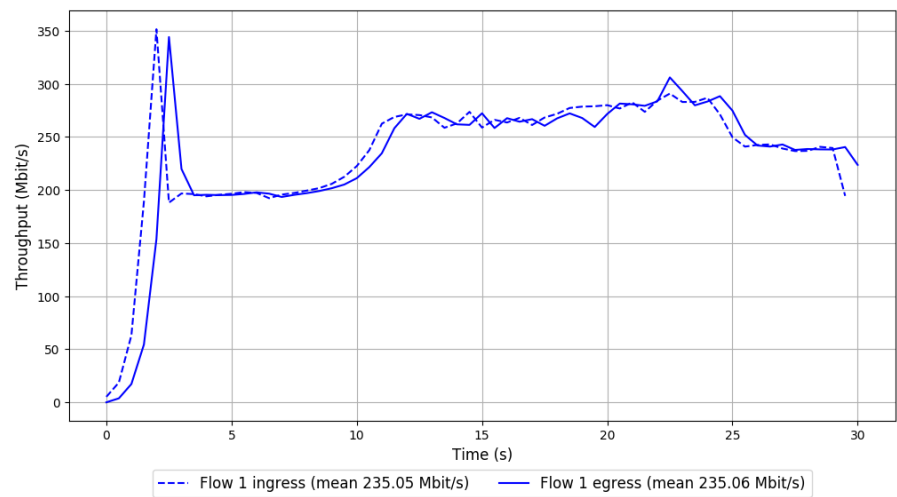


Run 10: Statistics of PCC-Expr

Start at: 2018-07-25 12:27:46
End at: 2018-07-25 12:28:16
Local clock offset: -0.065 ms
Remote clock offset: -0.188 ms

Below is generated by plot.py at 2018-07-25 13:55:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 235.06 Mbit/s
95th percentile per-packet one-way delay: 111.733 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 235.06 Mbit/s
95th percentile per-packet one-way delay: 111.733 ms
Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

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

End at: 2018-07-25 09:15:39

Local clock offset: -0.259 ms

Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-25 13:55:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.05 Mbit/s

95th percentile per-packet one-way delay: 66.616 ms

Loss rate: 0.00%

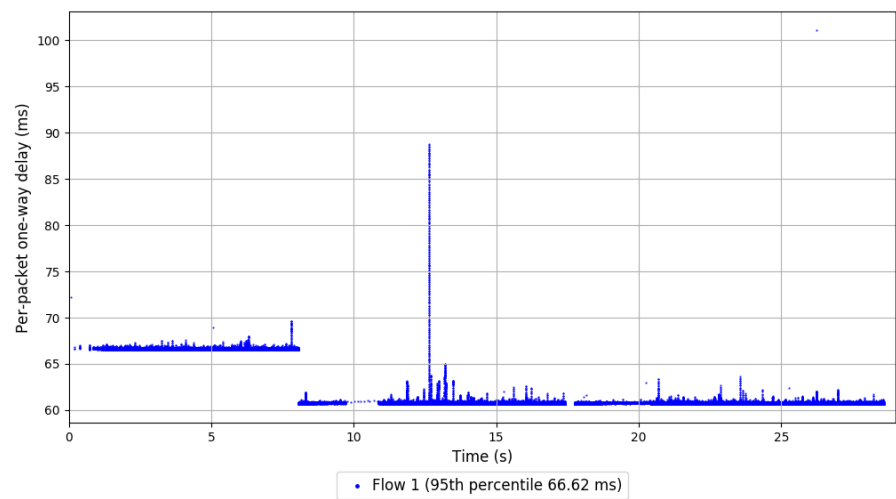
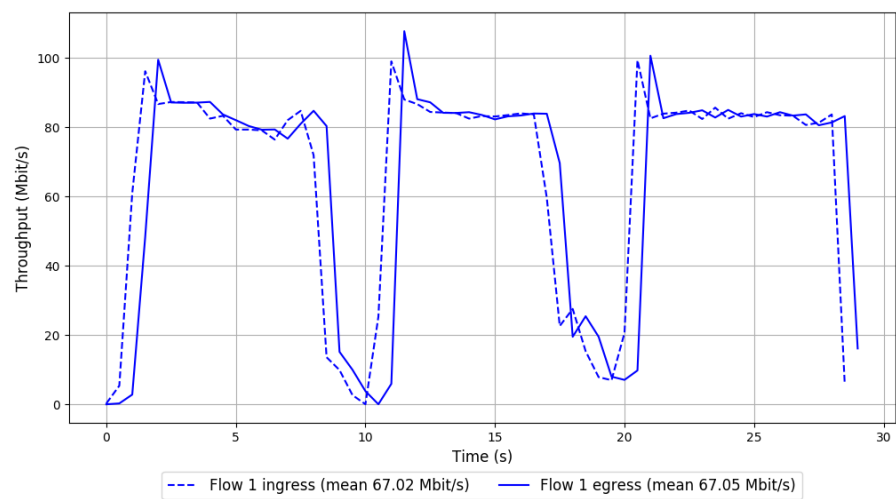
-- Flow 1:

Average throughput: 67.05 Mbit/s

95th percentile per-packet one-way delay: 66.616 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

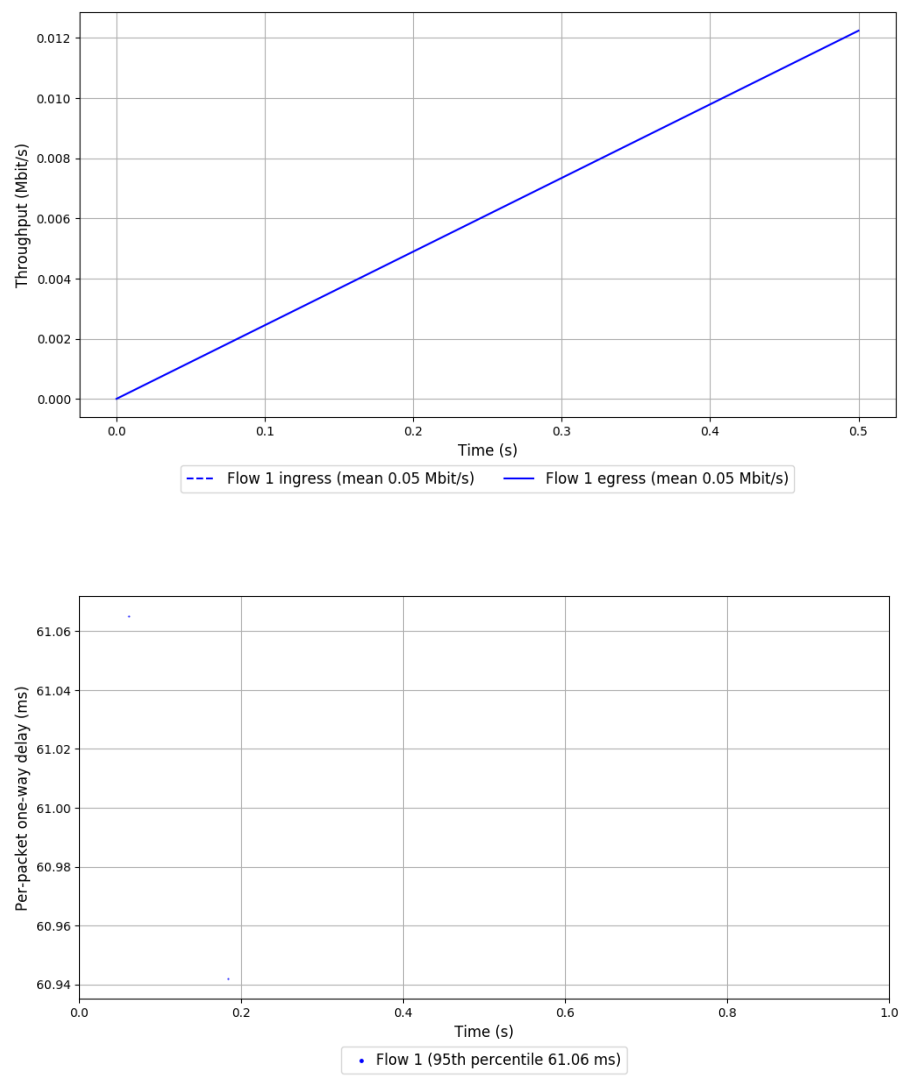
Start at: 2018-07-25 09:36:41

End at: 2018-07-25 09:37:11

Local clock offset: -0.232 ms

Remote clock offset: -0.096 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-25 09:58:27

End at: 2018-07-25 09:58:57

Local clock offset: -0.306 ms

Remote clock offset: 0.242 ms

Below is generated by plot.py at 2018-07-25 13:55:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.53 Mbit/s

95th percentile per-packet one-way delay: 61.393 ms

Loss rate: 0.00%

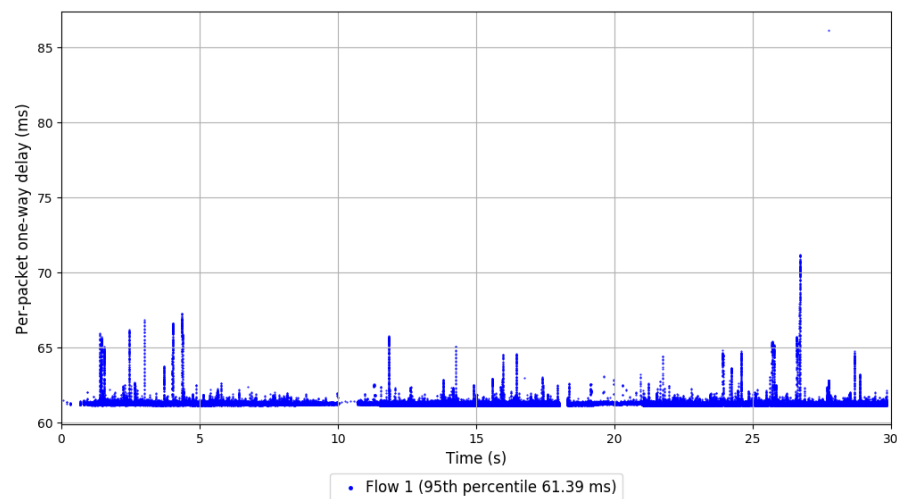
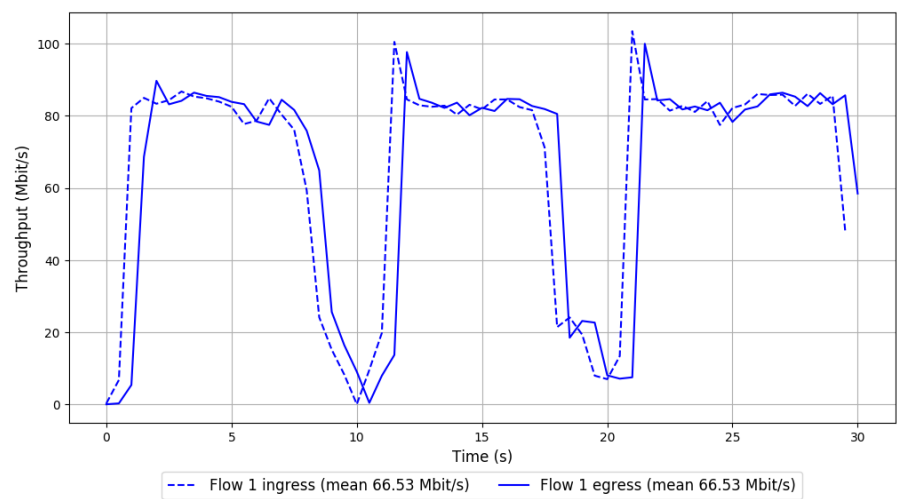
-- Flow 1:

Average throughput: 66.53 Mbit/s

95th percentile per-packet one-way delay: 61.393 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-25 10:19:41

End at: 2018-07-25 10:20:11

Local clock offset: -0.122 ms

Remote clock offset: 0.267 ms

Below is generated by plot.py at 2018-07-25 13:55:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.69 Mbit/s

95th percentile per-packet one-way delay: 61.506 ms

Loss rate: 0.00%

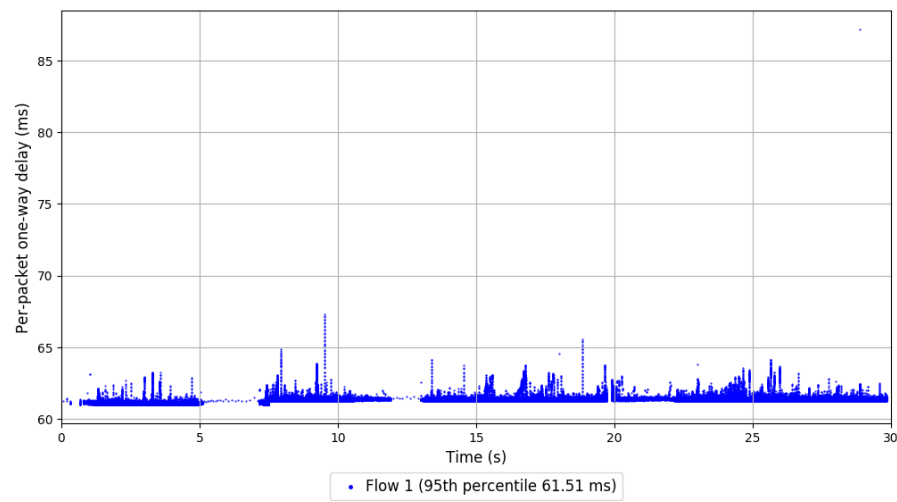
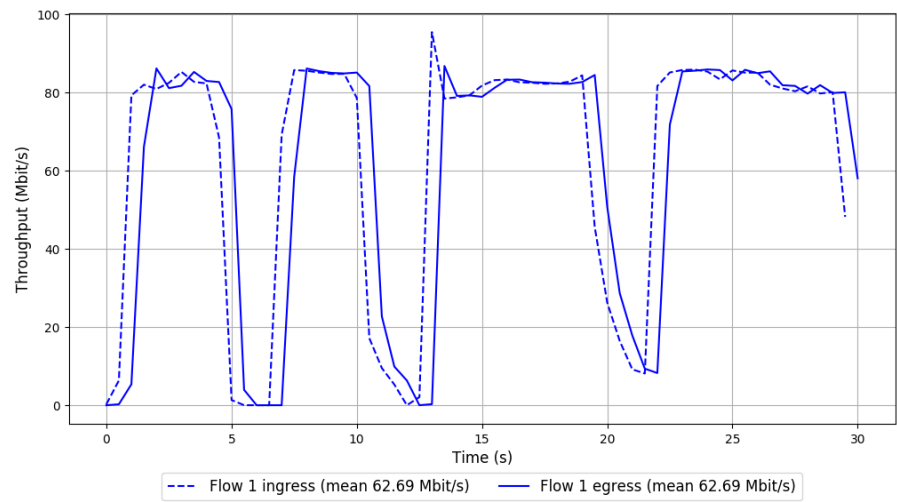
-- Flow 1:

Average throughput: 62.69 Mbit/s

95th percentile per-packet one-way delay: 61.506 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-25 10:40:51

End at: 2018-07-25 10:41:22

Local clock offset: 0.095 ms

Remote clock offset: -0.0 ms

Below is generated by plot.py at 2018-07-25 13:55:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.03 Mbit/s

95th percentile per-packet one-way delay: 61.153 ms

Loss rate: 0.00%

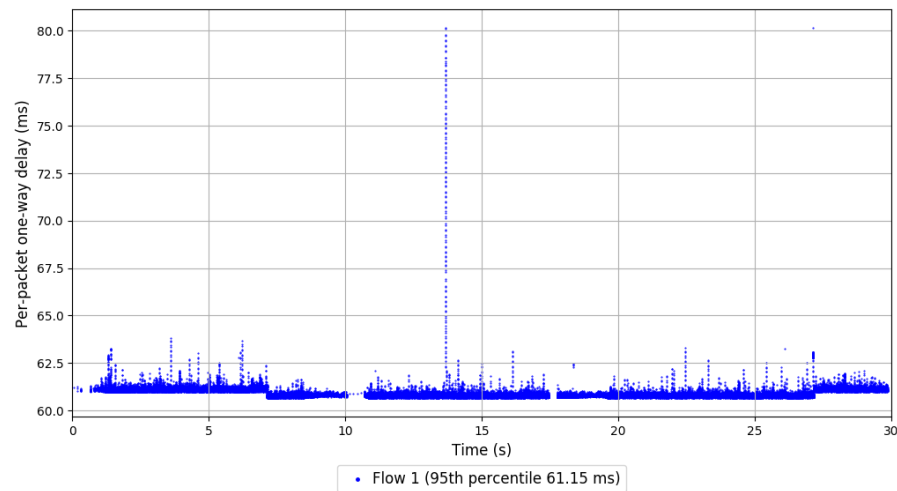
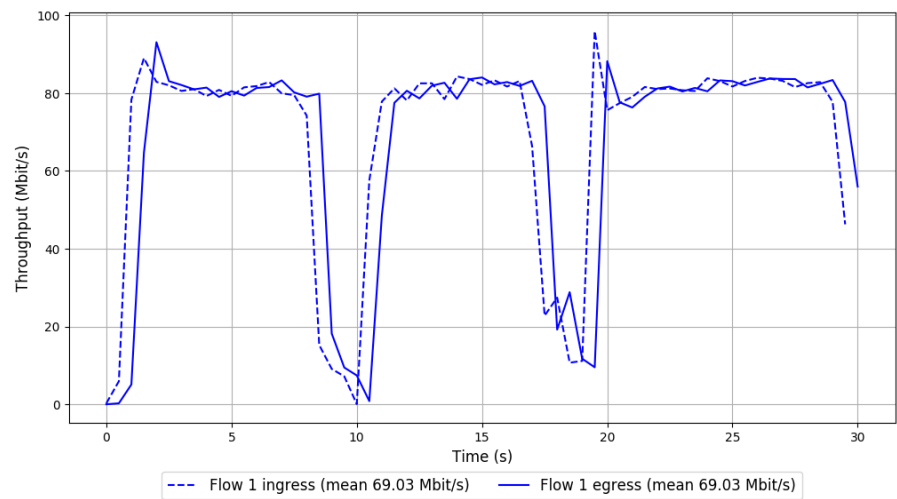
-- Flow 1:

Average throughput: 69.03 Mbit/s

95th percentile per-packet one-way delay: 61.153 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

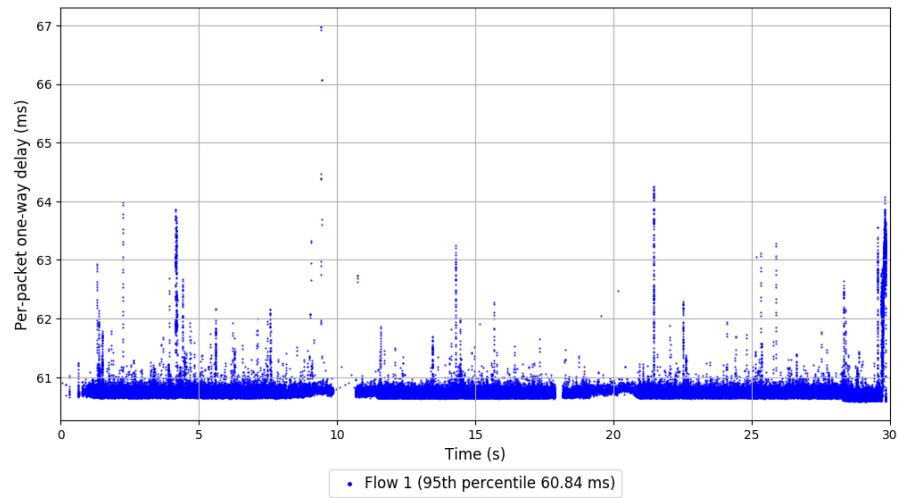
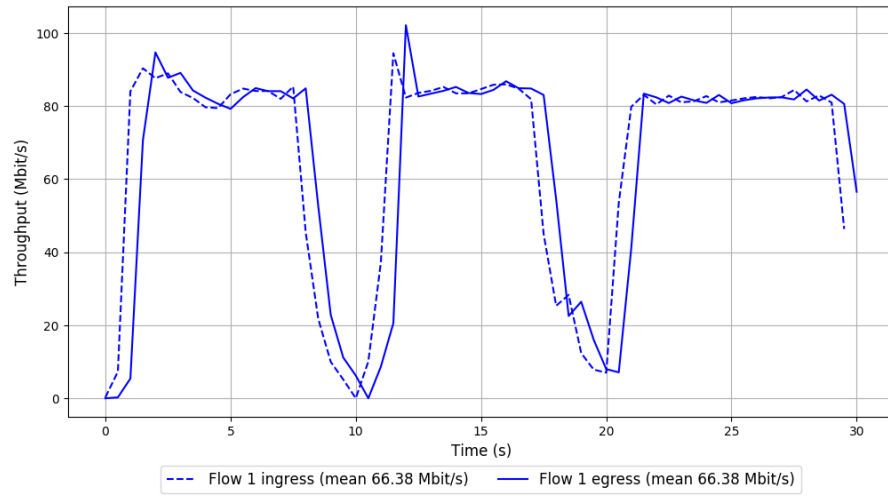


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-25 11:02:40
End at: 2018-07-25 11:03:10
Local clock offset: 0.172 ms
Remote clock offset: -0.243 ms

Below is generated by plot.py at 2018-07-25 13:55:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.38 Mbit/s
95th percentile per-packet one-way delay: 60.844 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.38 Mbit/s
95th percentile per-packet one-way delay: 60.844 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

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

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

Local clock offset: 0.193 ms

Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-07-25 13:55:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.54 Mbit/s

95th percentile per-packet one-way delay: 61.321 ms

Loss rate: 0.03%

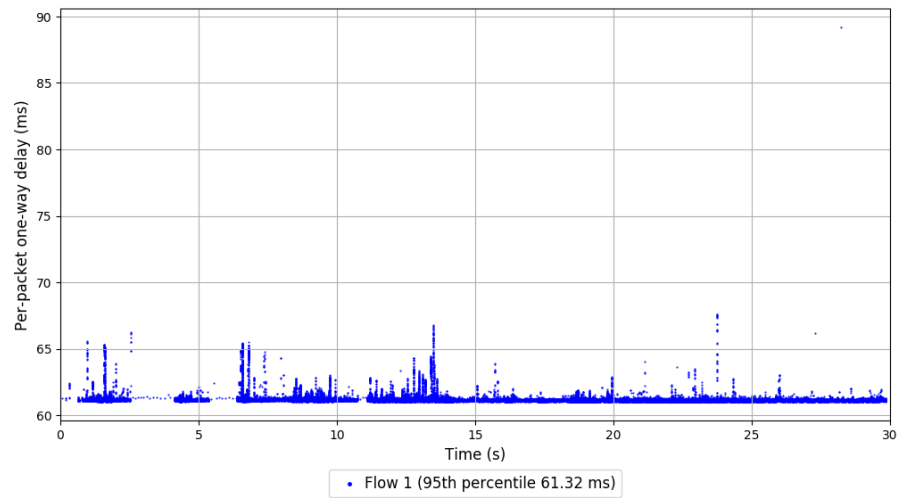
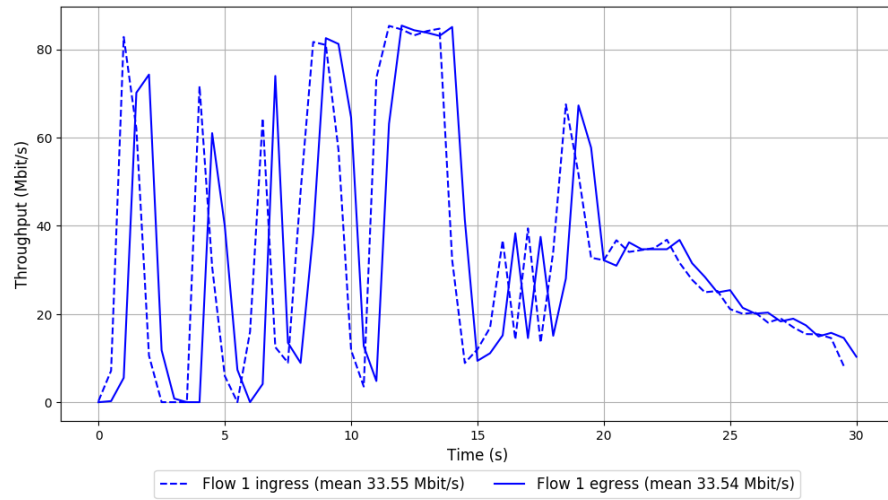
-- Flow 1:

Average throughput: 33.54 Mbit/s

95th percentile per-packet one-way delay: 61.321 ms

Loss rate: 0.03%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-25 11:45:47

End at: 2018-07-25 11:46:17

Local clock offset: 0.183 ms

Remote clock offset: -0.278 ms

Below is generated by plot.py at 2018-07-25 13:55:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.51 Mbit/s

95th percentile per-packet one-way delay: 61.050 ms

Loss rate: 0.00%

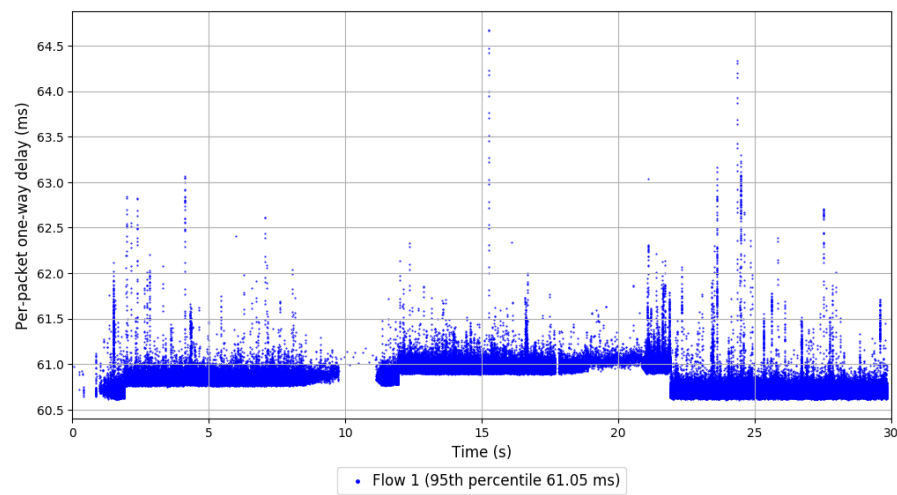
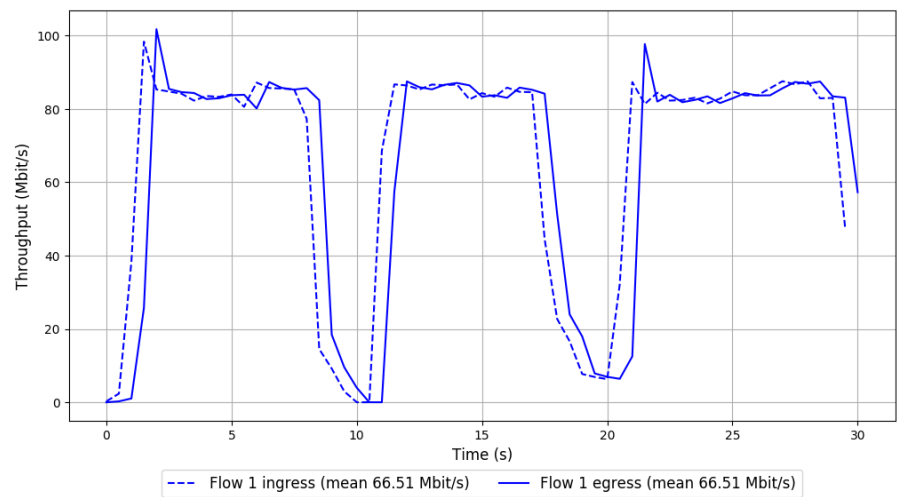
-- Flow 1:

Average throughput: 66.51 Mbit/s

95th percentile per-packet one-way delay: 61.050 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

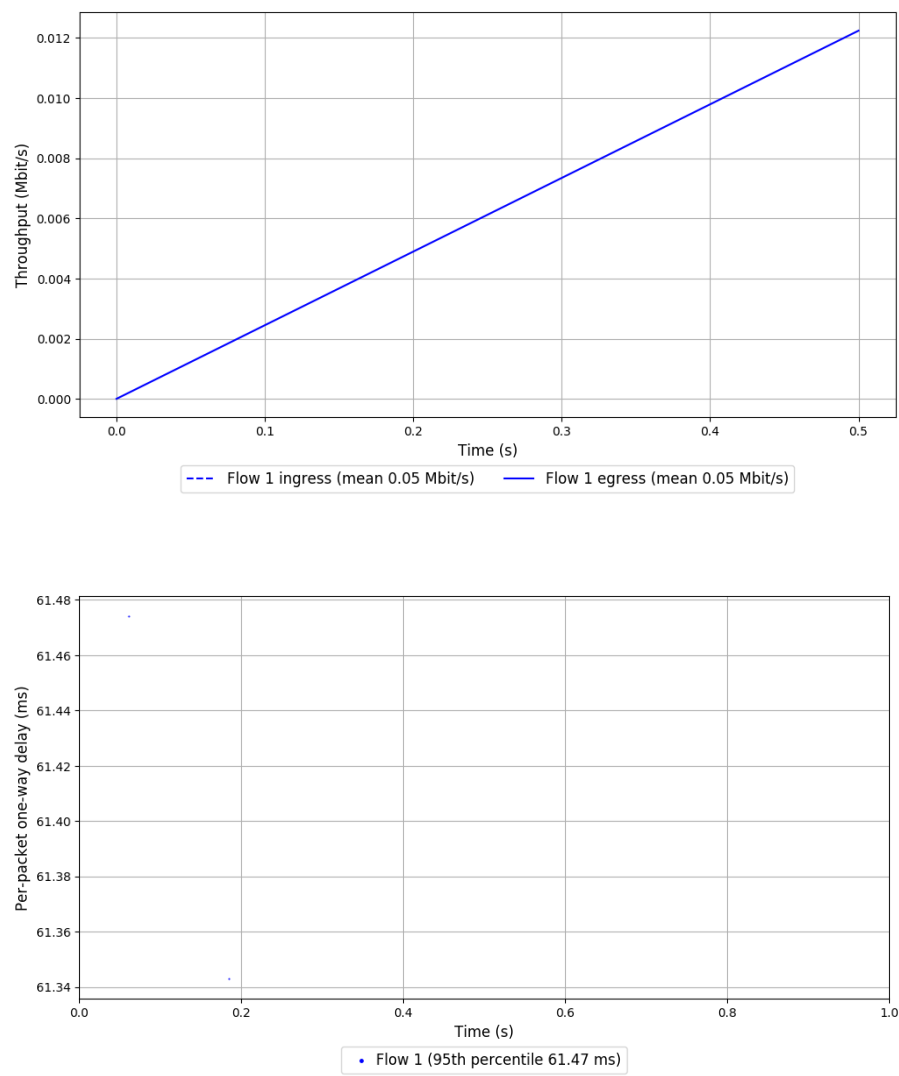
Start at: 2018-07-25 12:07:26

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

Local clock offset: -0.07 ms

Remote clock offset: 0.297 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

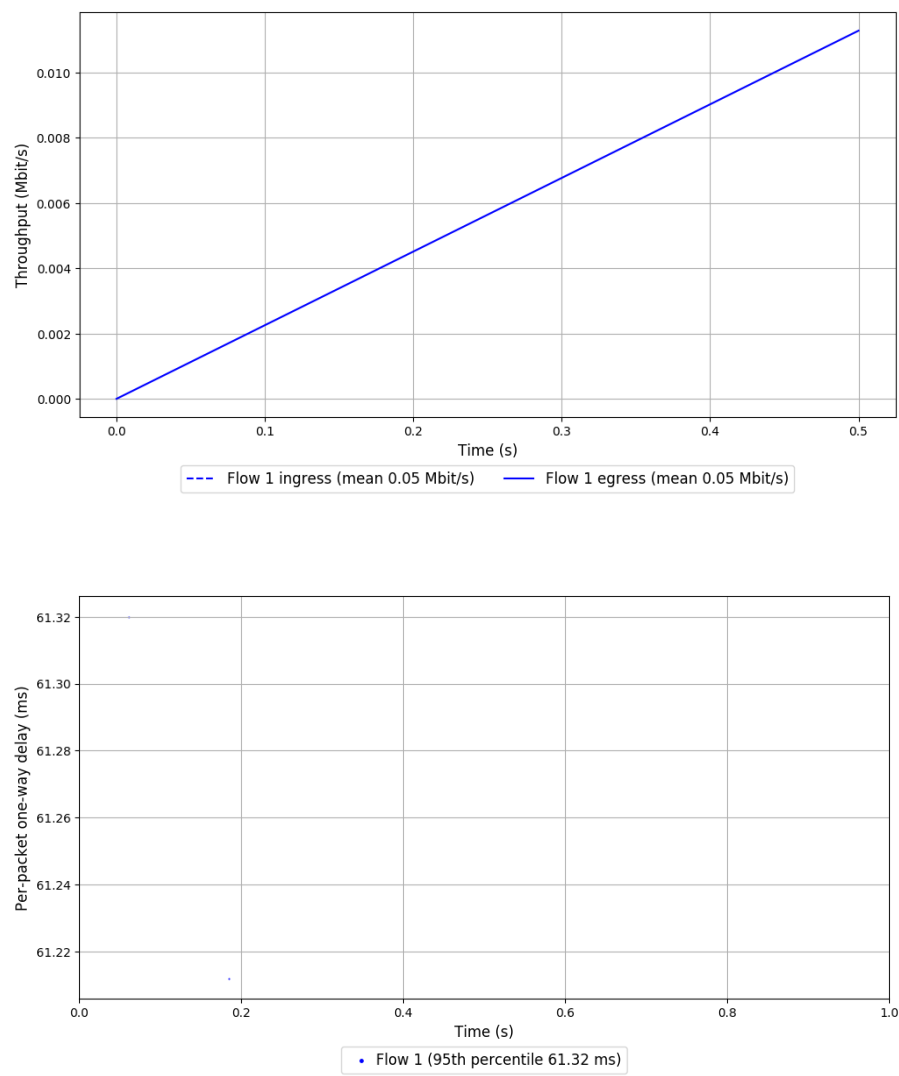
Start at: 2018-07-25 12:29:11

End at: 2018-07-25 12:29:41

Local clock offset: -0.046 ms

Remote clock offset: 0.167 ms

Run 10: Report of QUIC Cubic — Data Link

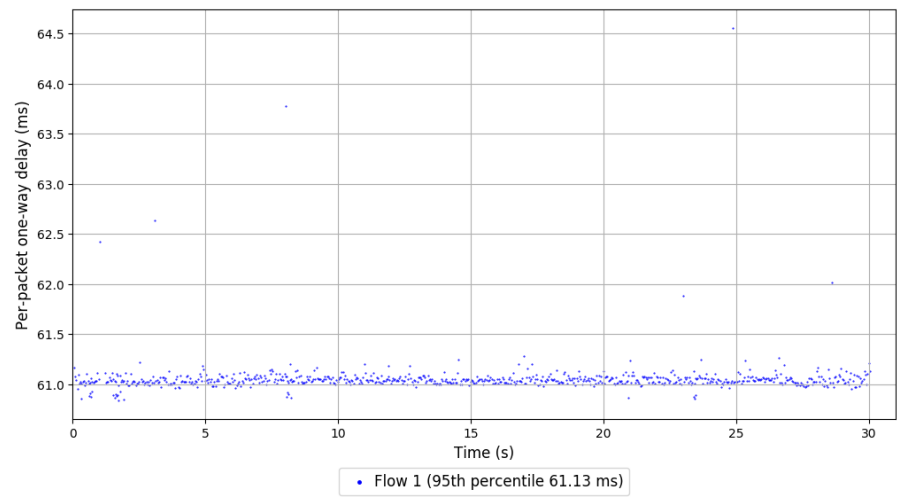
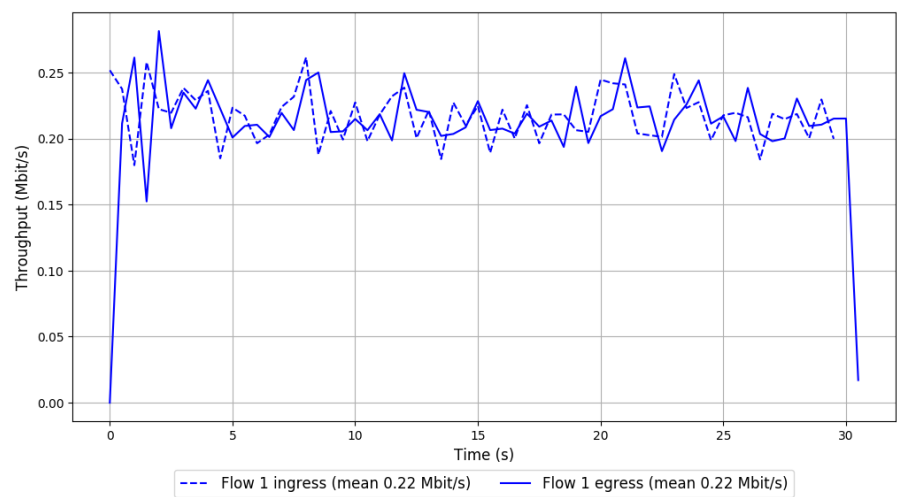


```
Run 1: Statistics of SCReAM

Start at: 2018-07-25 09:11:32
End at: 2018-07-25 09:12:02
Local clock offset: -0.274 ms
Remote clock offset: -0.213 ms

# Below is generated by plot.py at 2018-07-25 13:55:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.133 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.133 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

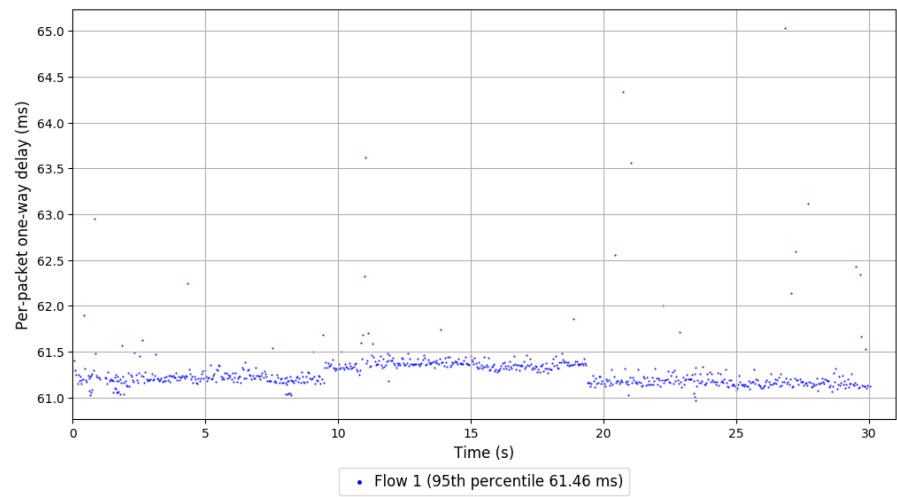
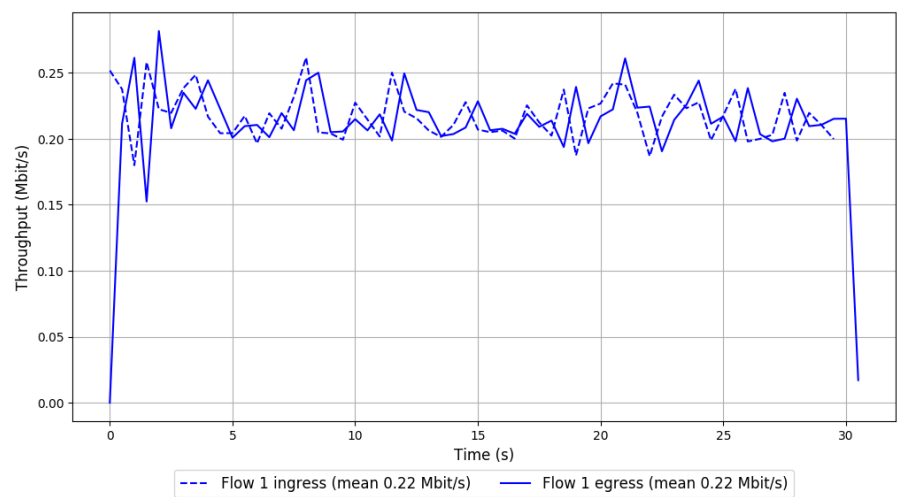


Run 2: Statistics of SCReAM

Start at: 2018-07-25 09:32:49
End at: 2018-07-25 09:33:19
Local clock offset: -0.273 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-25 13:55:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.460 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.460 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-07-25 09:54:37

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

Local clock offset: -0.269 ms

Remote clock offset: 0.095 ms

Below is generated by plot.py at 2018-07-25 13:55:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.257 ms

Loss rate: 0.00%

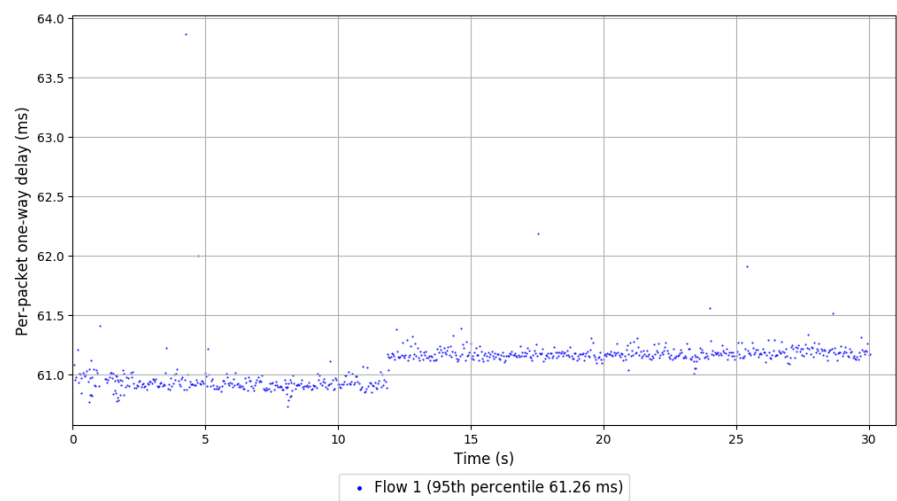
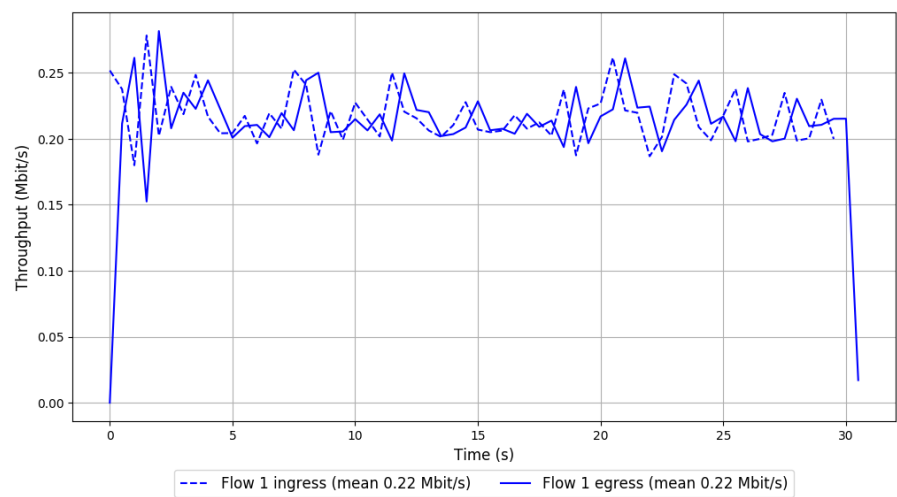
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.257 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

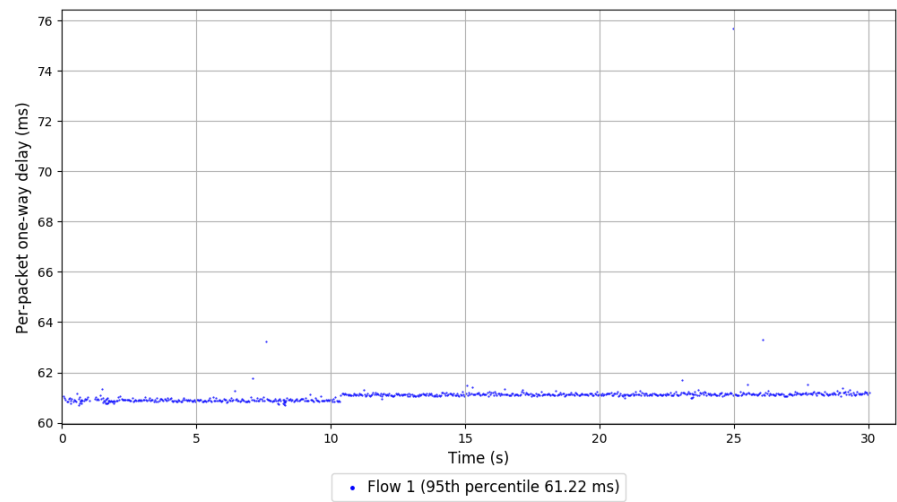
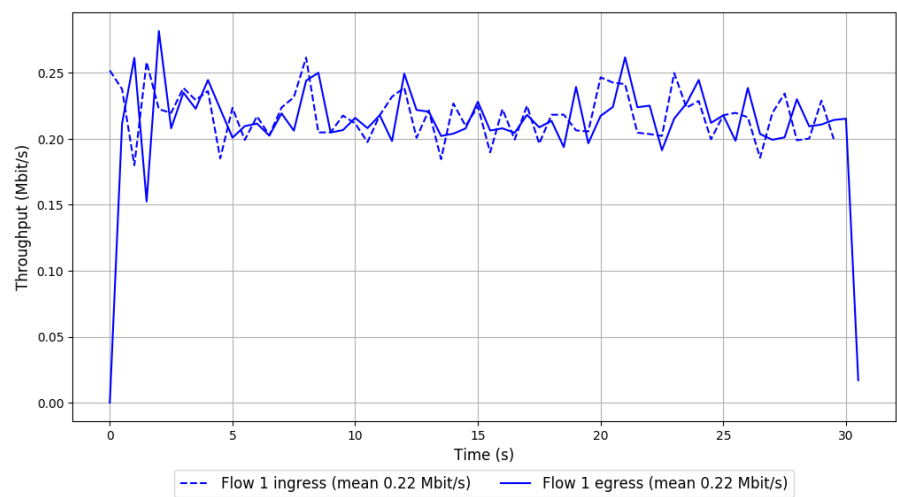


Run 4: Statistics of SCReAM

Start at: 2018-07-25 10:15:58
End at: 2018-07-25 10:16:28
Local clock offset: -0.054 ms
Remote clock offset: -0.223 ms

Below is generated by plot.py at 2018-07-25 13:55:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.221 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.221 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-07-25 10:37:23

End at: 2018-07-25 10:37:53

Local clock offset: 0.054 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-07-25 13:55:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.532 ms

Loss rate: 0.00%

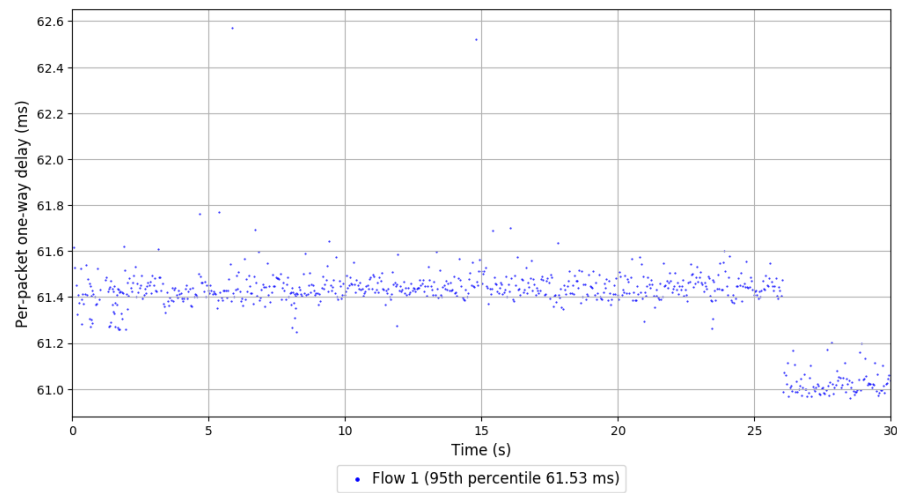
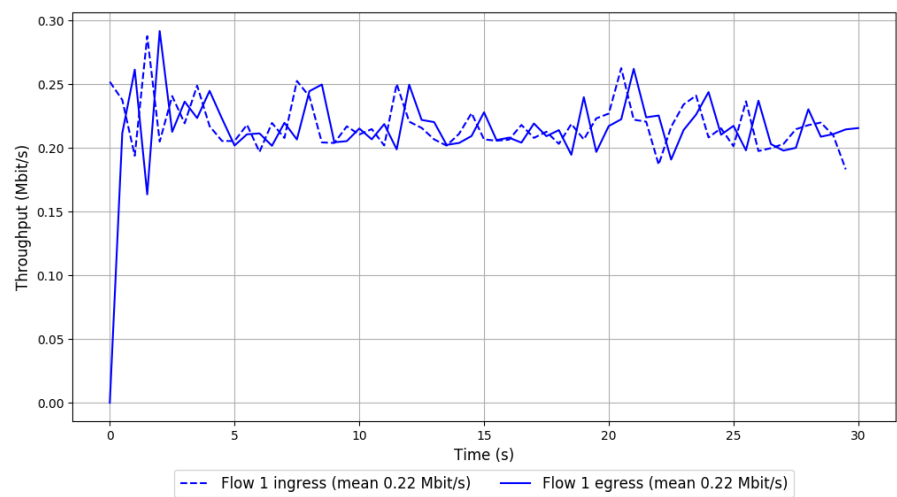
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.532 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-07-25 10:58:52

End at: 2018-07-25 10:59:22

Local clock offset: 0.144 ms

Remote clock offset: -0.16 ms

Below is generated by plot.py at 2018-07-25 13:55:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.482 ms

Loss rate: 0.00%

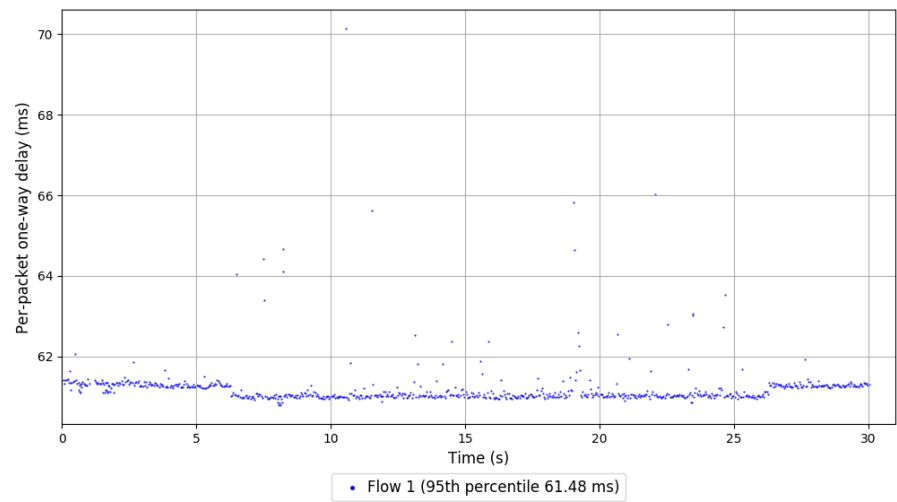
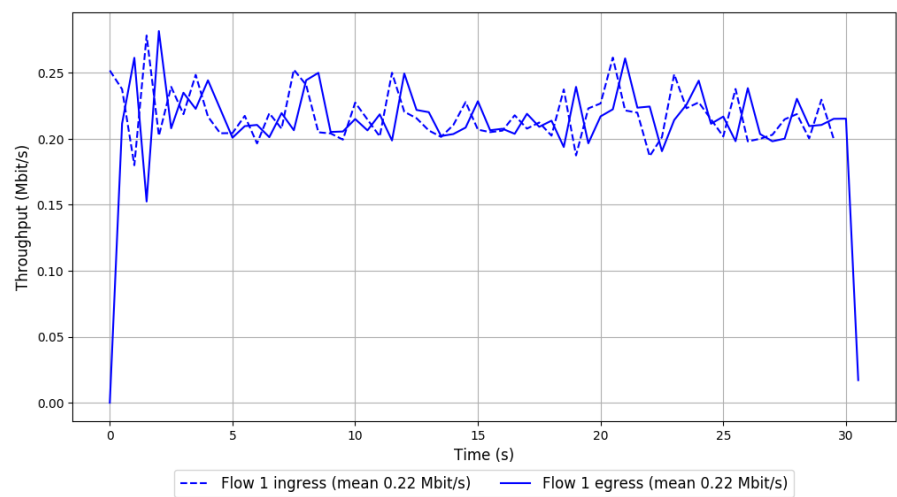
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.482 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-07-25 11:20:39

End at: 2018-07-25 11:21:09

Local clock offset: 0.152 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-07-25 13:55:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.478 ms

Loss rate: 0.00%

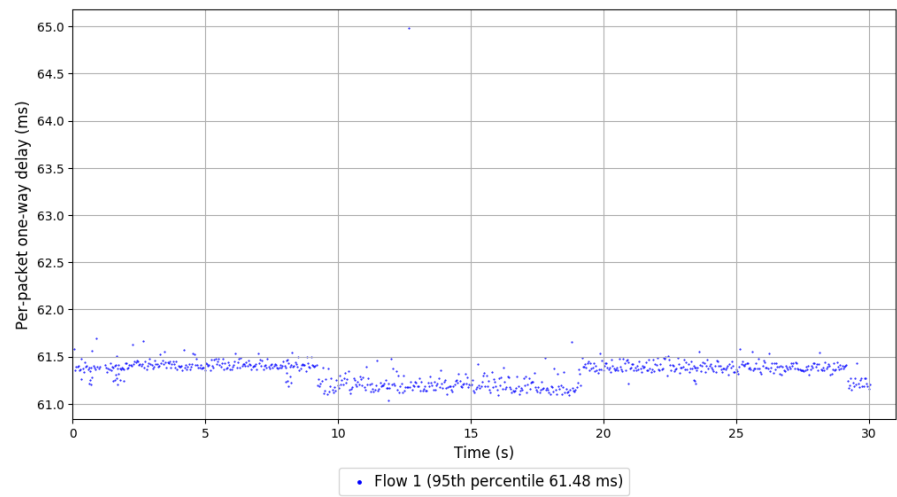
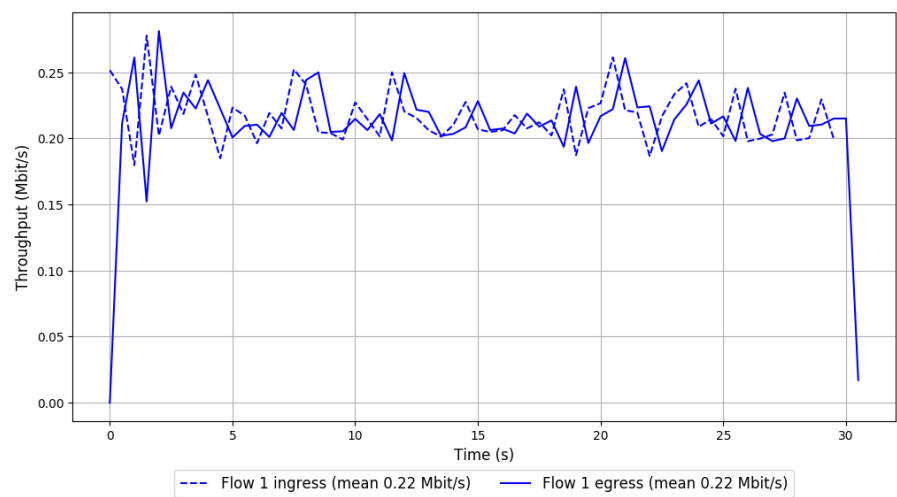
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.478 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

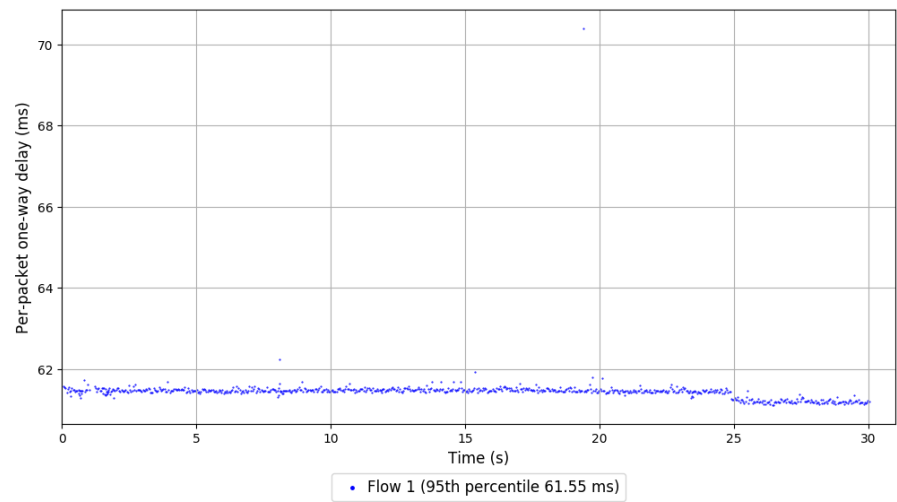
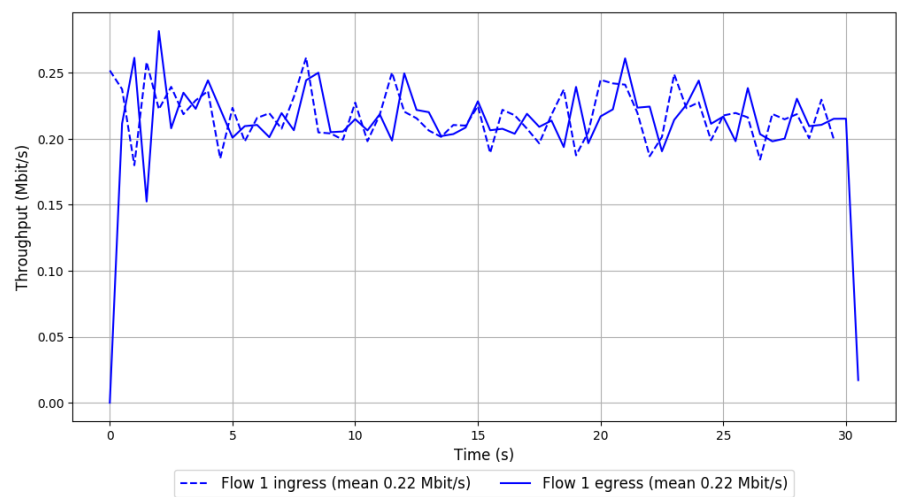


Run 8: Statistics of SCReAM

Start at: 2018-07-25 11:42:04
End at: 2018-07-25 11:42:34
Local clock offset: 0.133 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-25 13:55:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.554 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.554 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-07-25 12:03:42

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

Local clock offset: -0.072 ms

Remote clock offset: 0.138 ms

Below is generated by plot.py at 2018-07-25 13:55:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.376 ms

Loss rate: 0.00%

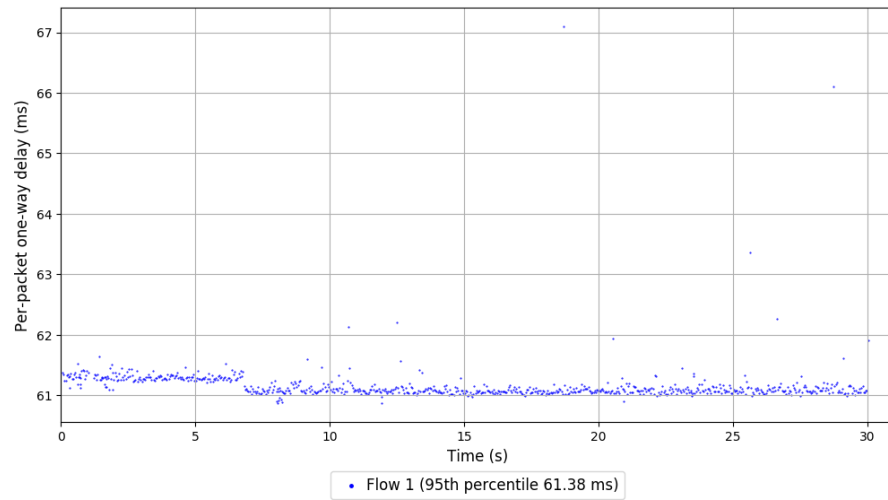
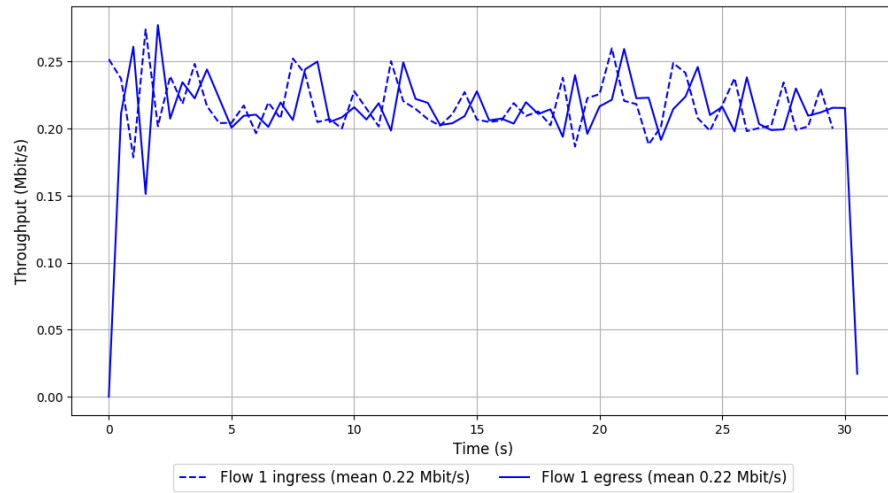
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.376 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

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

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

Local clock offset: -0.092 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-07-25 13:55:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.282 ms

Loss rate: 0.00%

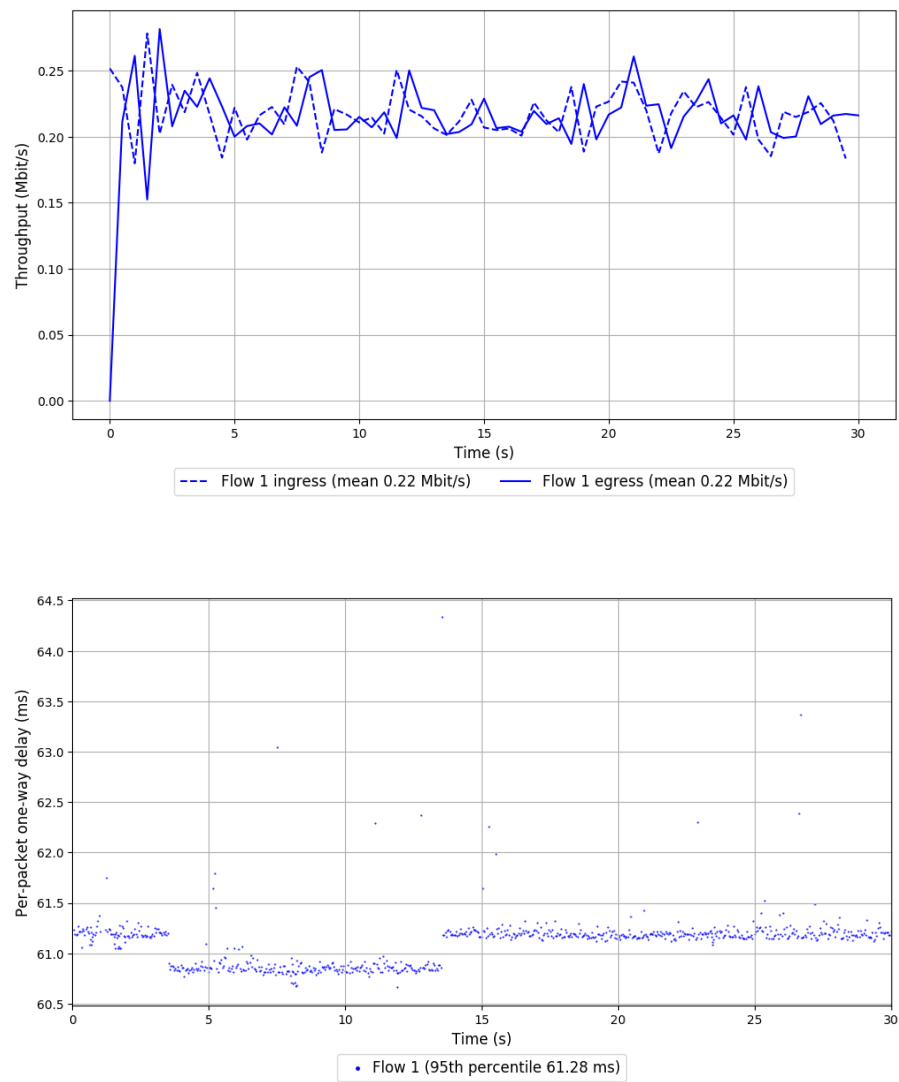
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.282 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

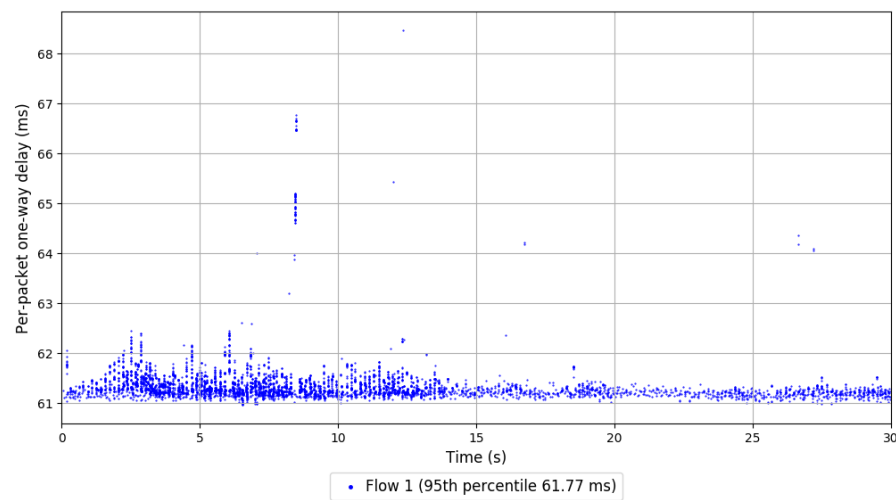
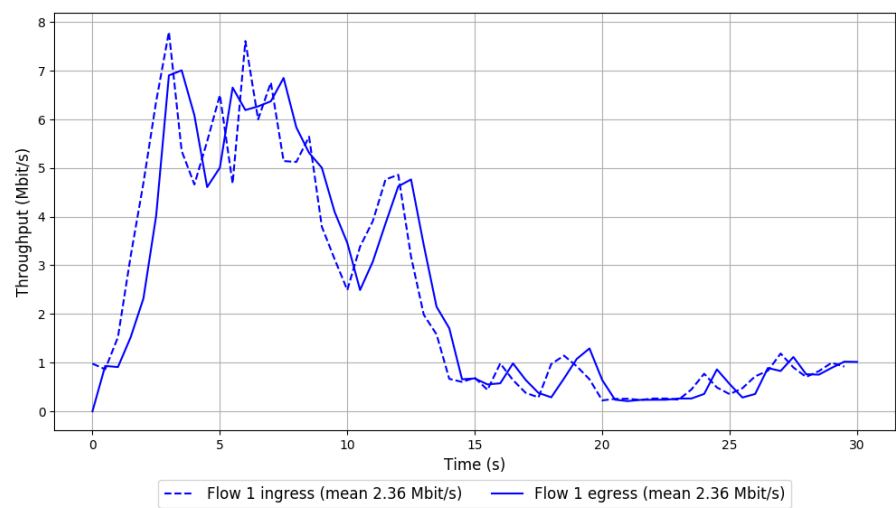


Run 1: Statistics of Sprout

Start at: 2018-07-25 09:10:26
End at: 2018-07-25 09:10:56
Local clock offset: -0.266 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-25 13:55:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 61.773 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 61.773 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

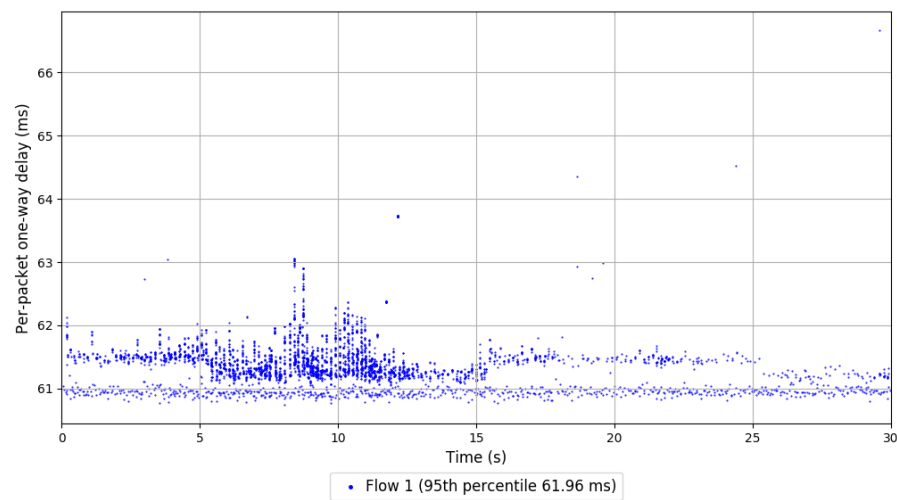
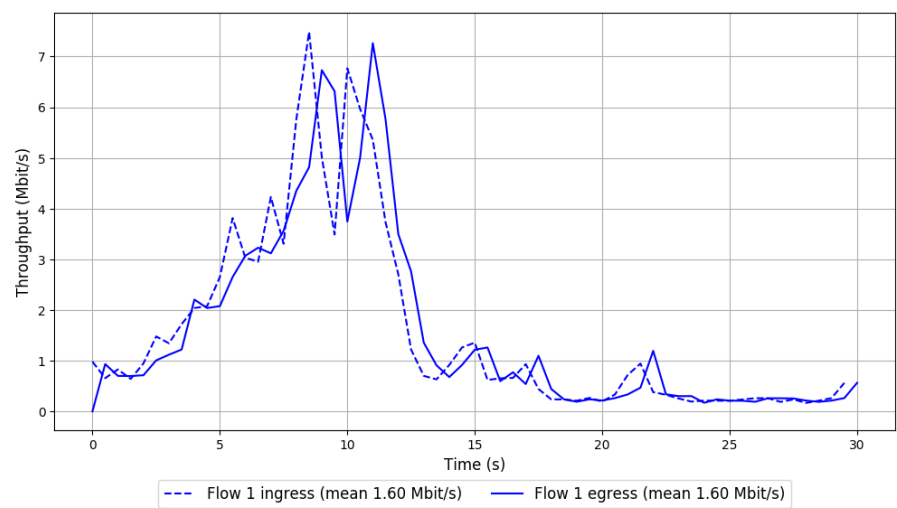


Run 2: Statistics of Sprout

Start at: 2018-07-25 09:31:43
End at: 2018-07-25 09:32:13
Local clock offset: -0.267 ms
Remote clock offset: 0.06 ms

Below is generated by plot.py at 2018-07-25 13:55:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 61.959 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 61.959 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

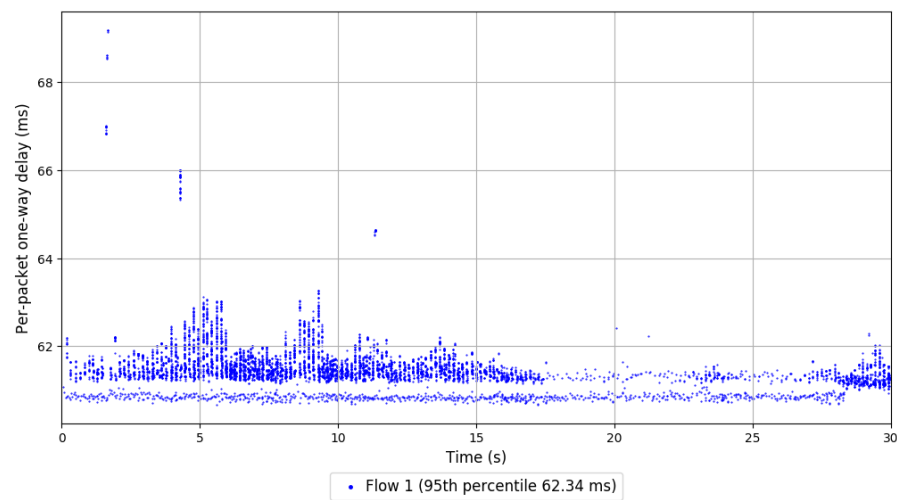
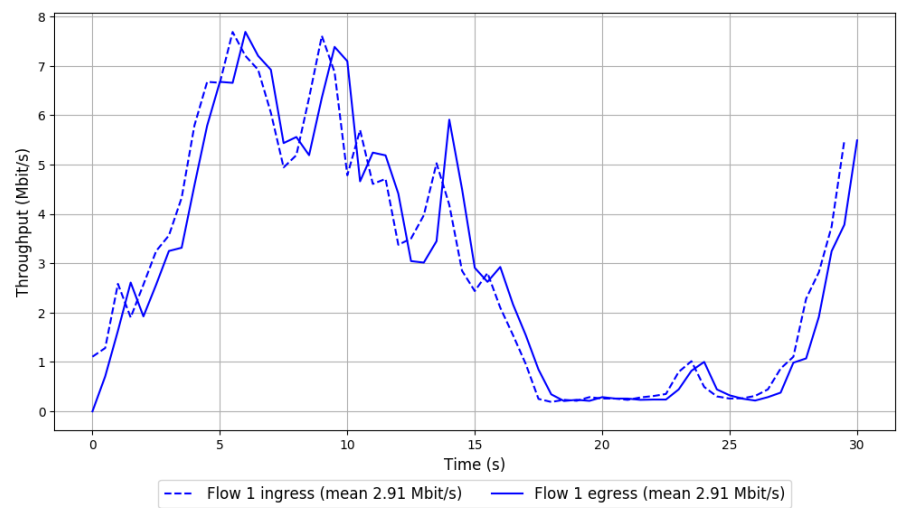


Run 3: Statistics of Sprout

Start at: 2018-07-25 09:53:30
End at: 2018-07-25 09:54:00
Local clock offset: -0.312 ms
Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-07-25 13:55:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 62.340 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 62.340 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-07-25 10:14:52

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

Local clock offset: -0.083 ms

Remote clock offset: 0.12 ms

Below is generated by plot.py at 2018-07-25 13:55:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 61.705 ms

Loss rate: 0.00%

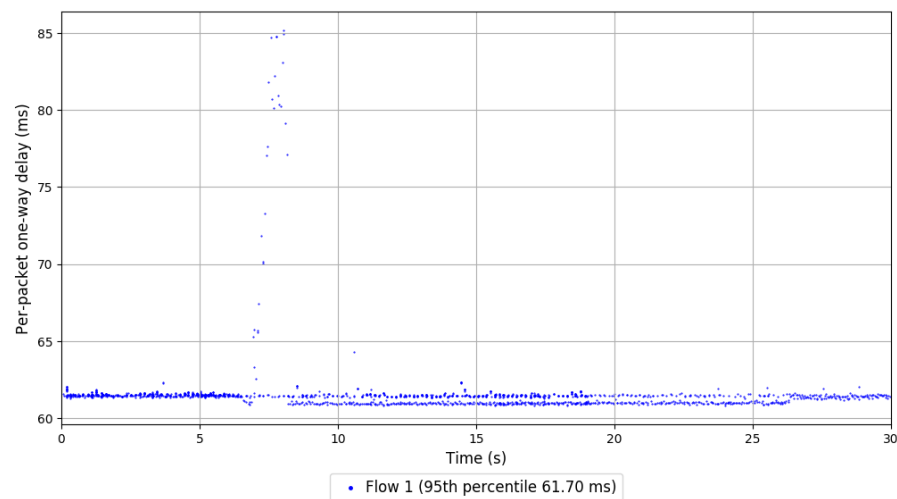
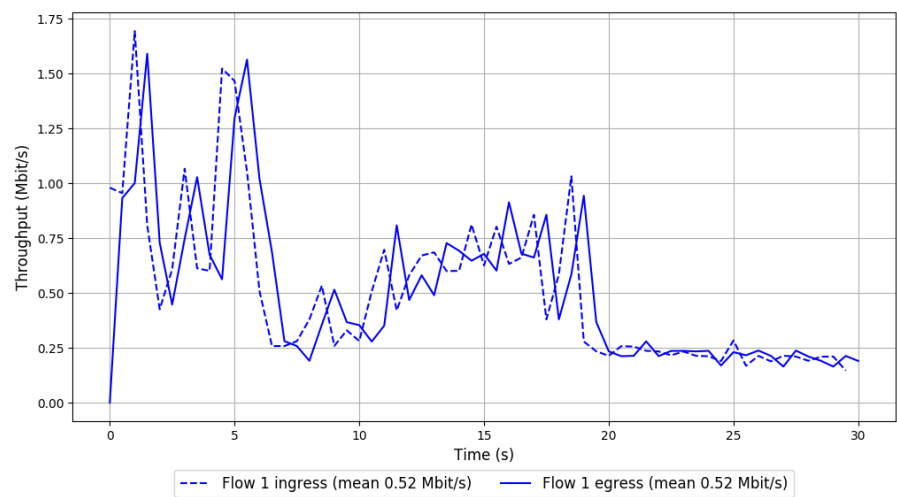
-- Flow 1:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 61.705 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

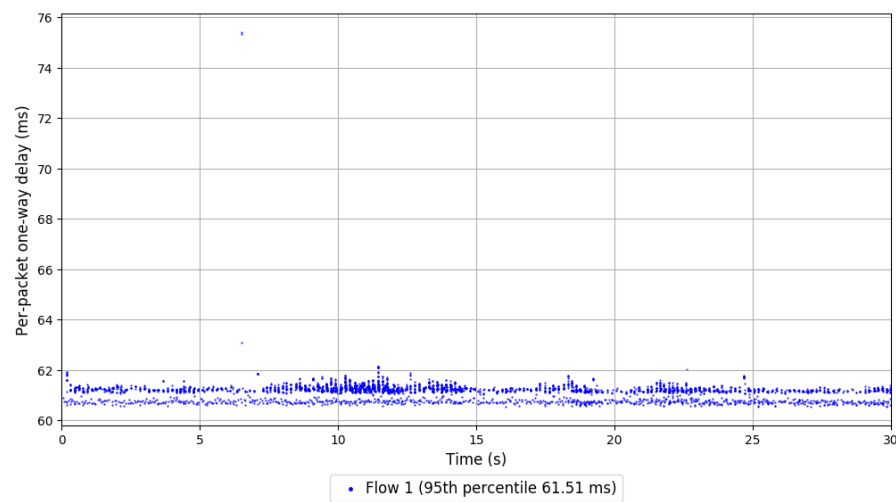
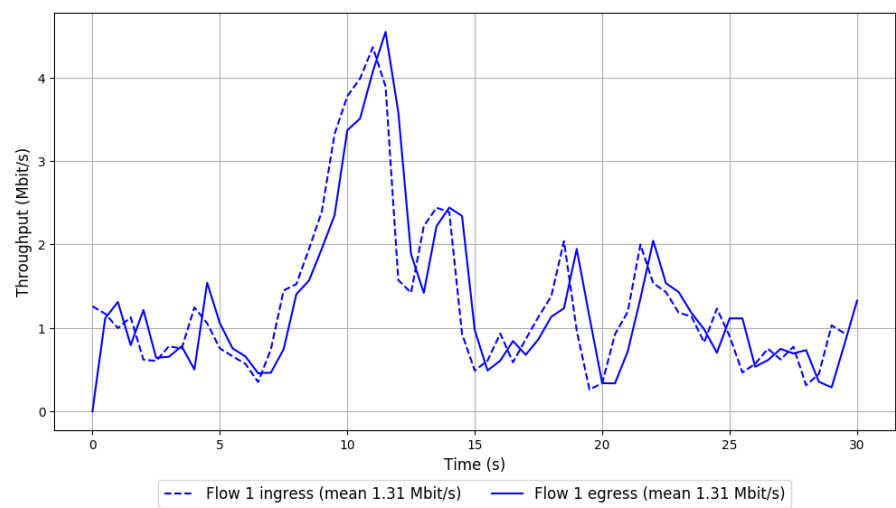


Run 5: Statistics of Sprout

Start at: 2018-07-25 10:36:17
End at: 2018-07-25 10:36:47
Local clock offset: 0.098 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-07-25 13:55:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 61.505 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 61.505 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

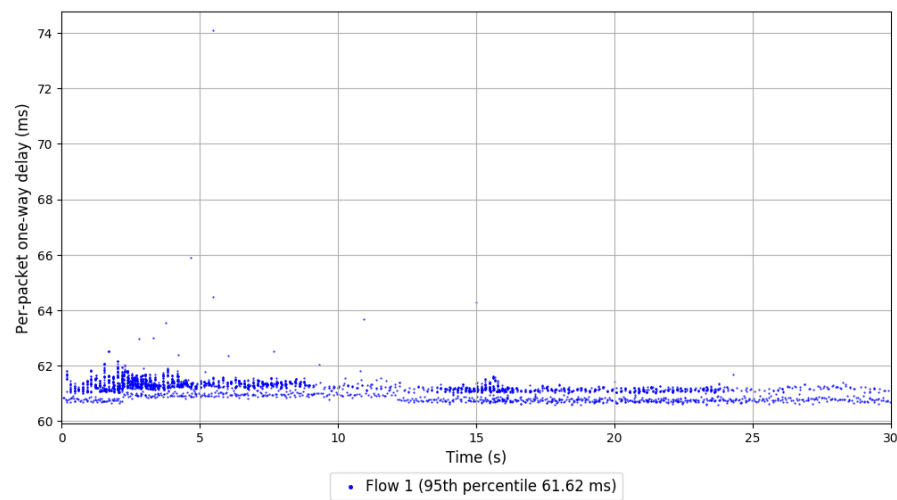
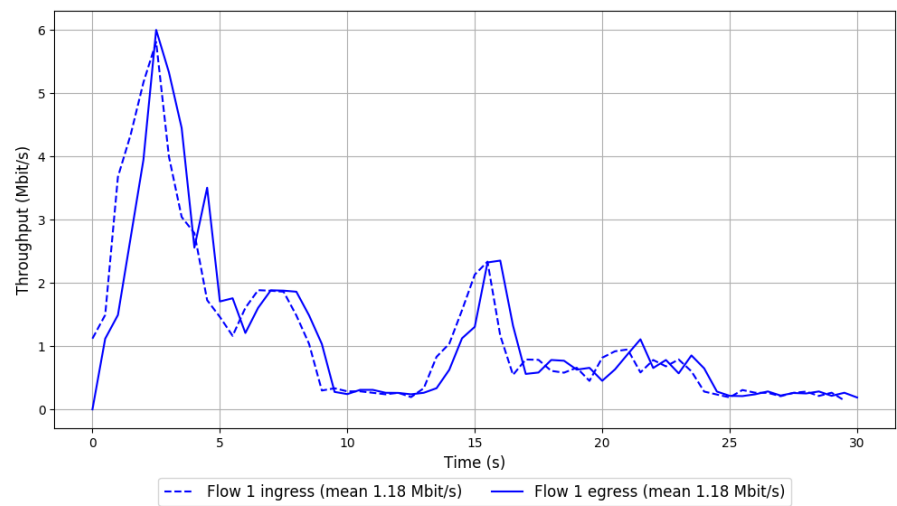


Run 6: Statistics of Sprout

Start at: 2018-07-25 10:57:46
End at: 2018-07-25 10:58:16
Local clock offset: 0.105 ms
Remote clock offset: -0.218 ms

Below is generated by plot.py at 2018-07-25 13:55:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 61.619 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 61.619 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

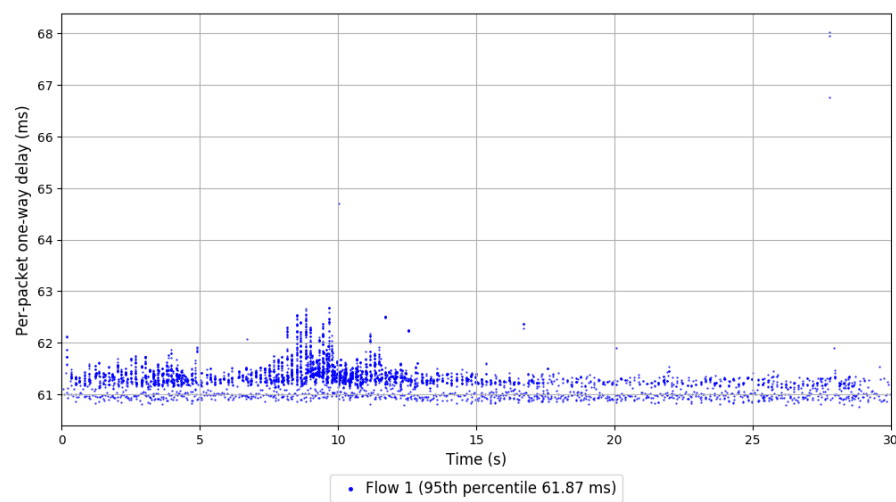
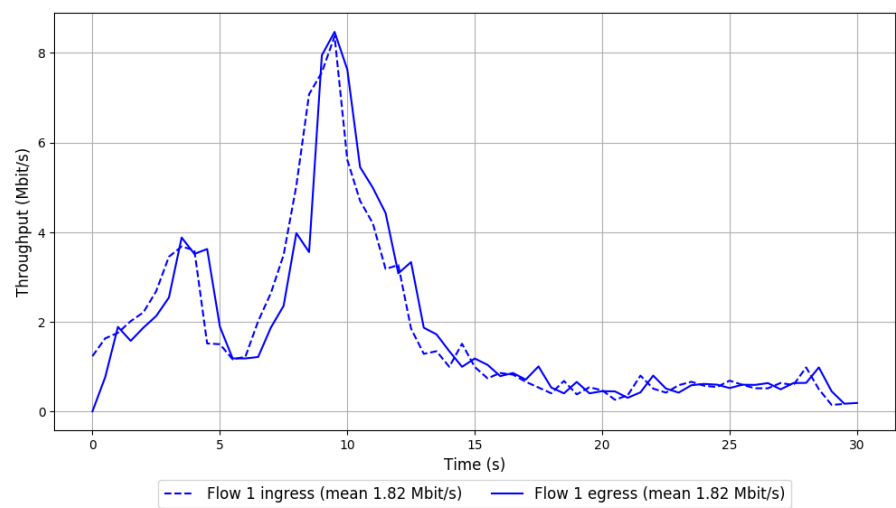


Run 7: Statistics of Sprout

Start at: 2018-07-25 11:19:33
End at: 2018-07-25 11:20:03
Local clock offset: 0.184 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2018-07-25 13:55:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 61.872 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 61.872 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

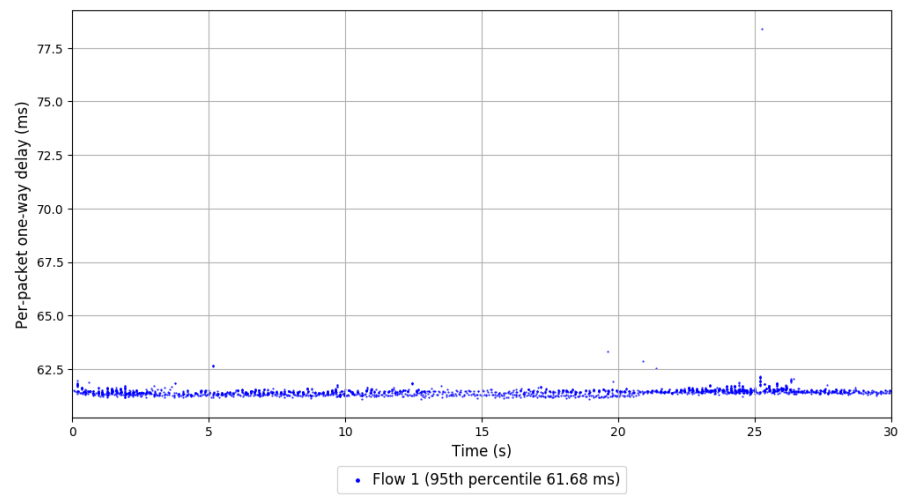
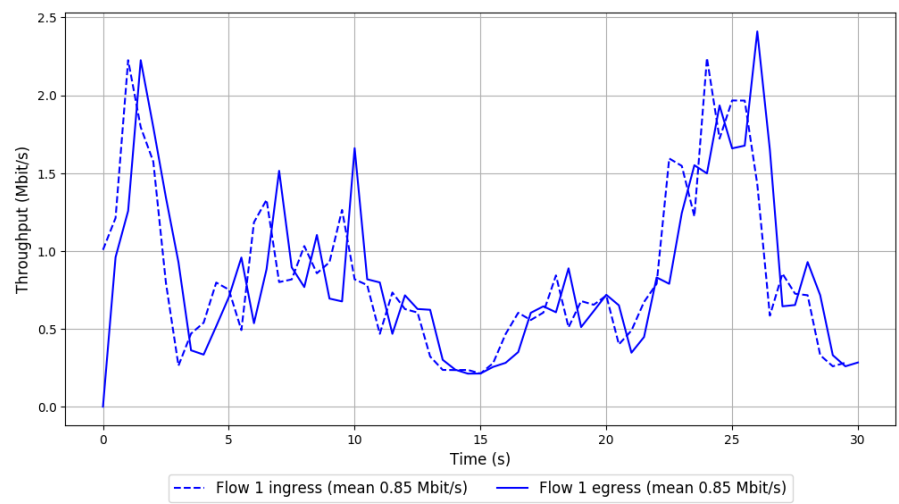


Run 8: Statistics of Sprout

Start at: 2018-07-25 11:40:58
End at: 2018-07-25 11:41:28
Local clock offset: 0.151 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-25 13:55:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.85 Mbit/s
95th percentile per-packet one-way delay: 61.681 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.85 Mbit/s
95th percentile per-packet one-way delay: 61.681 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

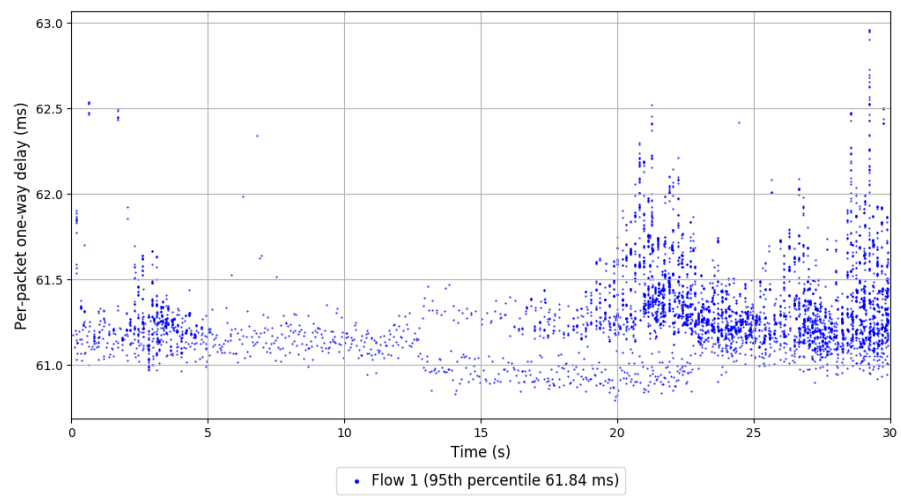
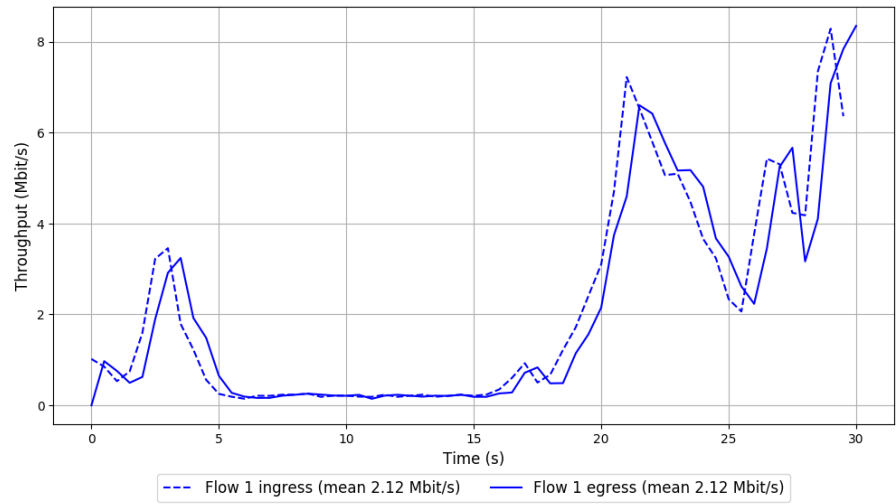


Run 9: Statistics of Sprout

Start at: 2018-07-25 12:02:36
End at: 2018-07-25 12:03:06
Local clock offset: -0.074 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-25 13:55:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 61.836 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 61.836 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-25 12:24:19

End at: 2018-07-25 12:24:49

Local clock offset: -0.112 ms

Remote clock offset: 0.315 ms

Below is generated by plot.py at 2018-07-25 13:55:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.93 Mbit/s

95th percentile per-packet one-way delay: 61.813 ms

Loss rate: 0.00%

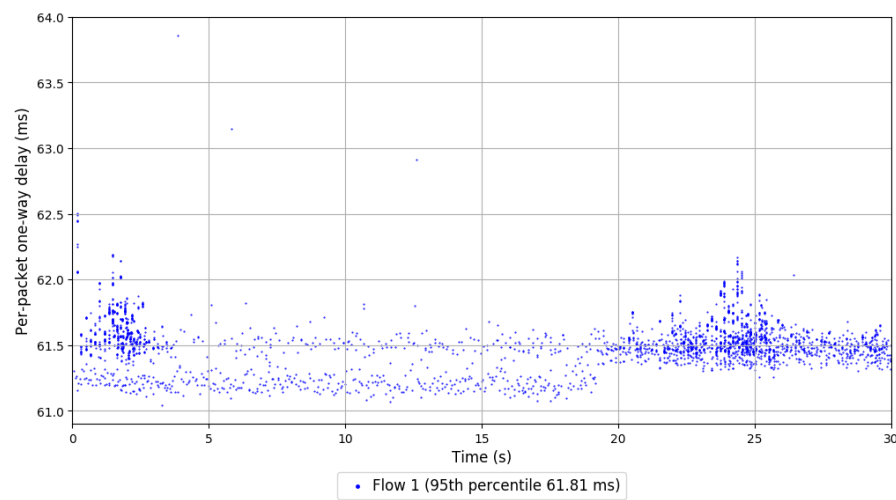
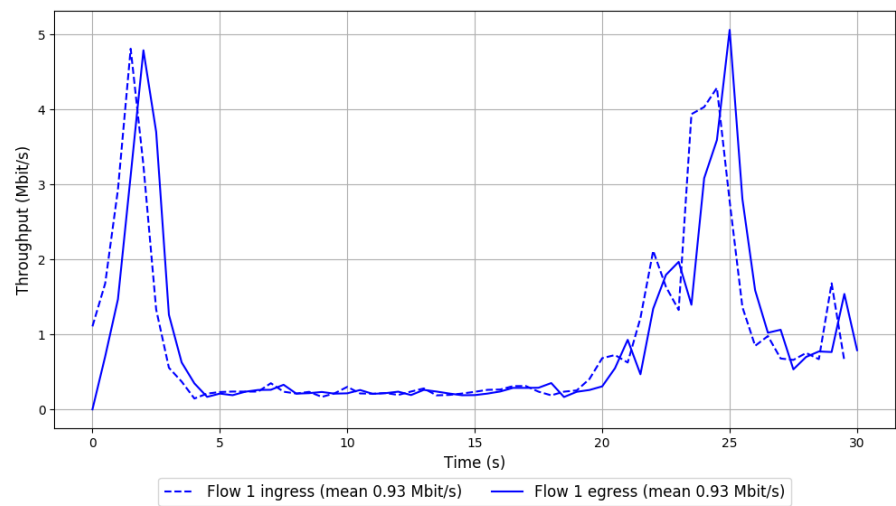
-- Flow 1:

Average throughput: 0.93 Mbit/s

95th percentile per-packet one-way delay: 61.813 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

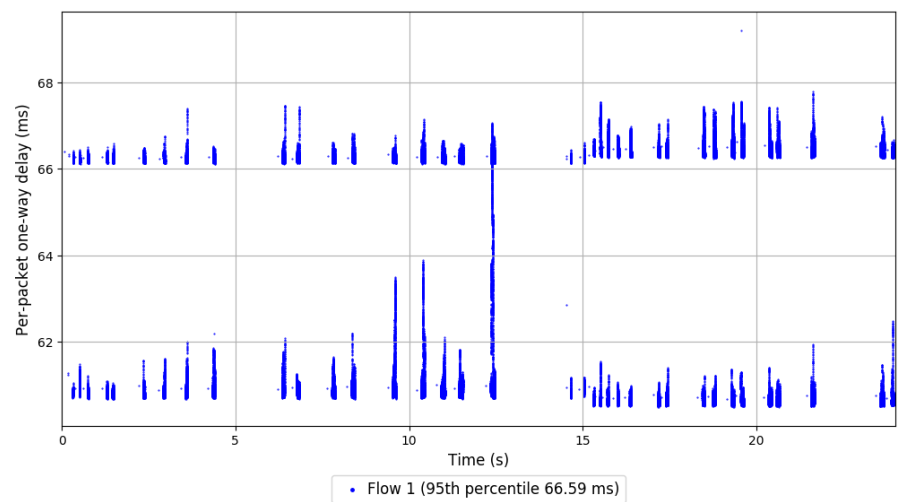
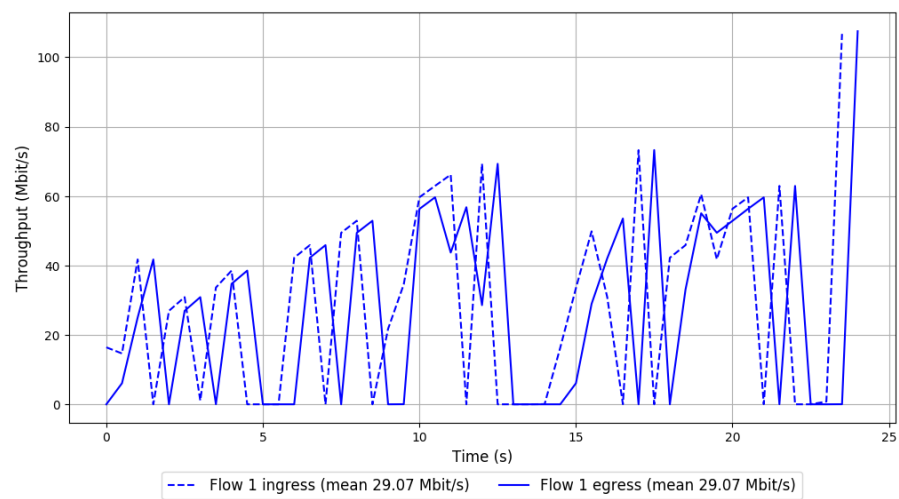
Start at: 2018-07-25 09:02:34

End at: 2018-07-25 09:03:04

Local clock offset: -0.251 ms

Remote clock offset: -0.328 ms

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

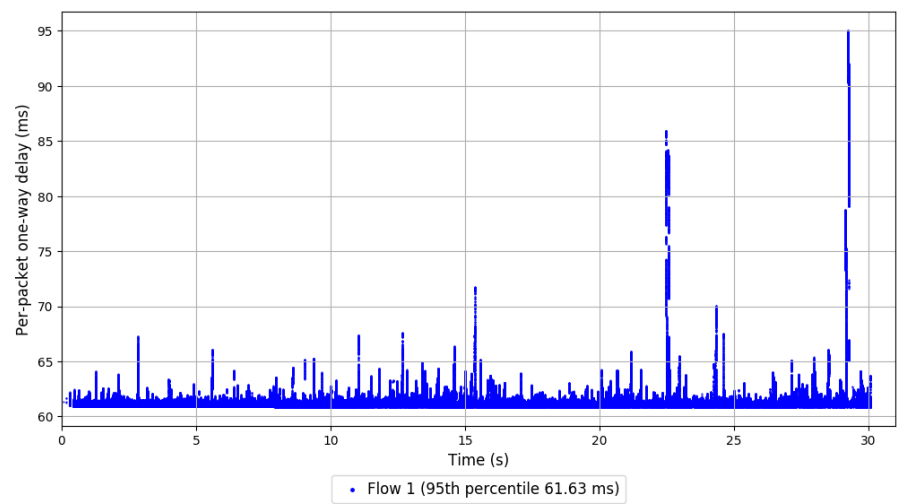
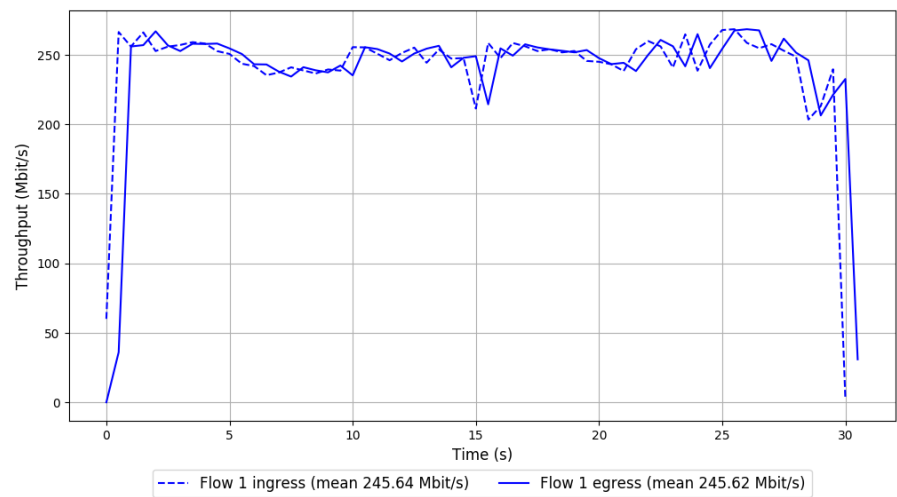


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-25 09:24:01
End at: 2018-07-25 09:24:31
Local clock offset: -0.229 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-25 14:01:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 245.62 Mbit/s
95th percentile per-packet one-way delay: 61.634 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 245.62 Mbit/s
95th percentile per-packet one-way delay: 61.634 ms
Loss rate: 0.01%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-25 09:45:24

End at: 2018-07-25 09:45:54

Local clock offset: -0.311 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-07-25 14:01:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 238.54 Mbit/s

95th percentile per-packet one-way delay: 61.526 ms

Loss rate: 0.00%

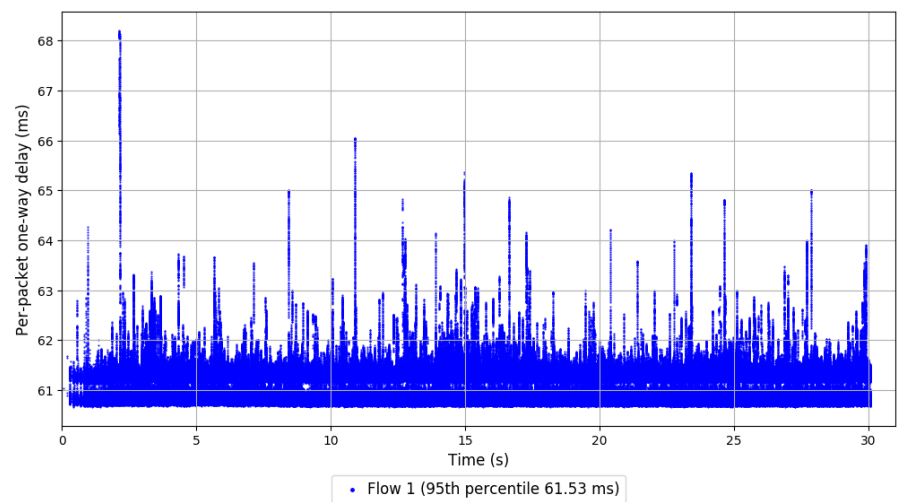
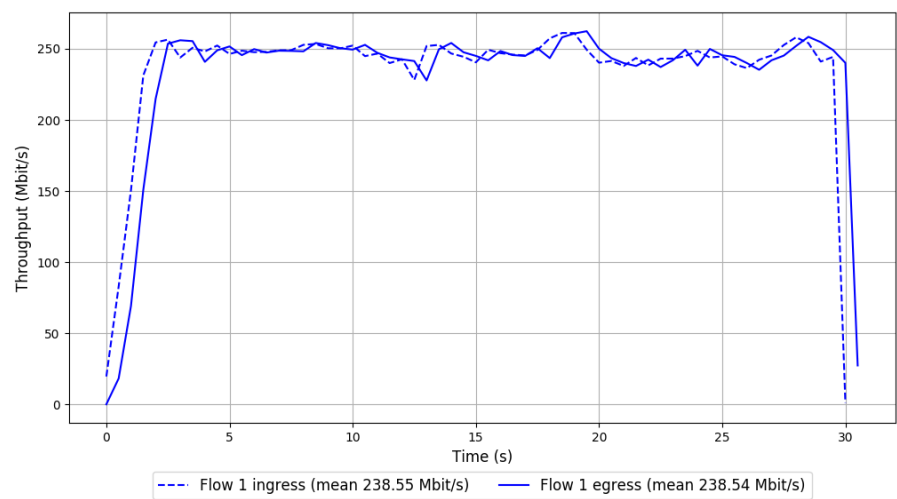
-- Flow 1:

Average throughput: 238.54 Mbit/s

95th percentile per-packet one-way delay: 61.526 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

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

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

Local clock offset: -0.257 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-07-25 14:01:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.56 Mbit/s

95th percentile per-packet one-way delay: 62.256 ms

Loss rate: 0.00%

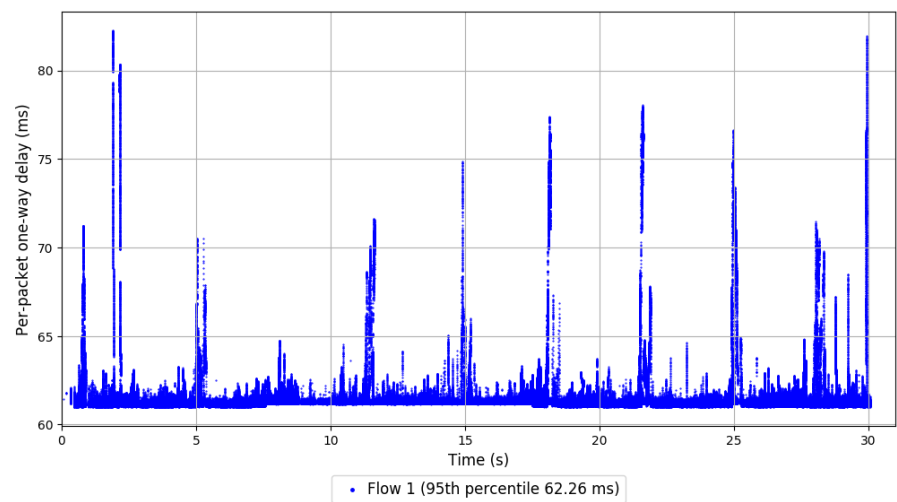
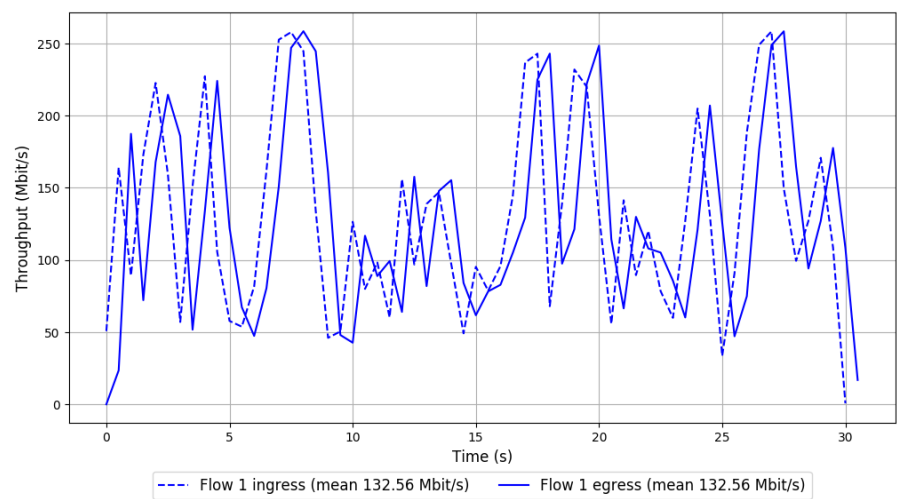
-- Flow 1:

Average throughput: 132.56 Mbit/s

95th percentile per-packet one-way delay: 62.256 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

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

End at: 2018-07-25 10:28:58

Local clock offset: 0.073 ms

Remote clock offset: 0.13 ms

Below is generated by plot.py at 2018-07-25 14:01:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.16 Mbit/s

95th percentile per-packet one-way delay: 61.641 ms

Loss rate: 0.00%

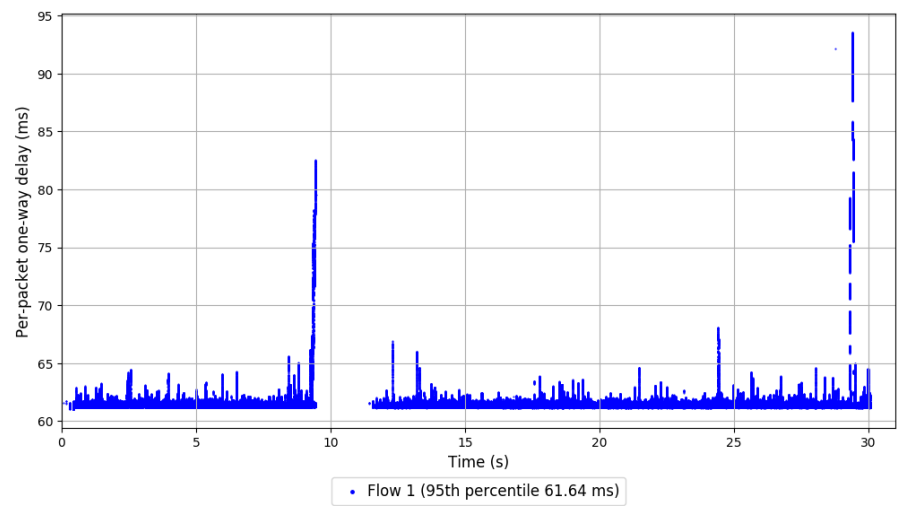
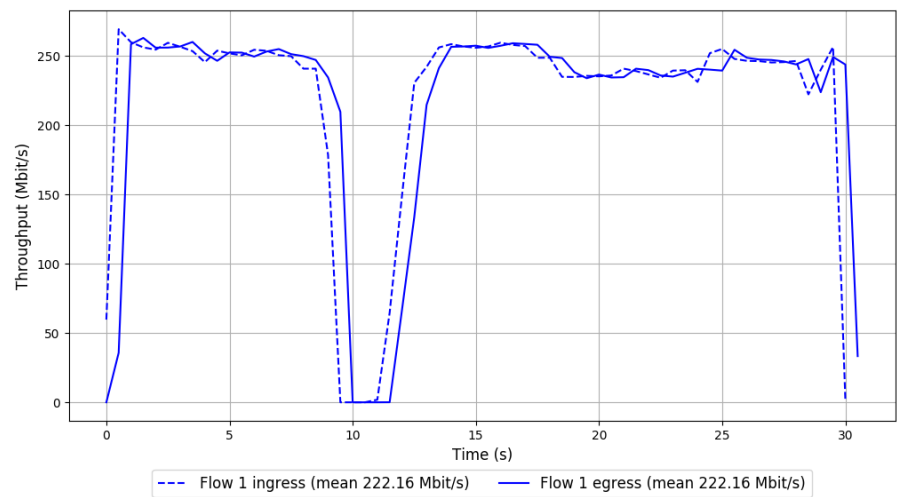
-- Flow 1:

Average throughput: 222.16 Mbit/s

95th percentile per-packet one-way delay: 61.641 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-25 10:49:42

End at: 2018-07-25 10:50:12

Local clock offset: 0.168 ms

Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-25 14:02:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 248.27 Mbit/s

95th percentile per-packet one-way delay: 61.735 ms

Loss rate: 0.00%

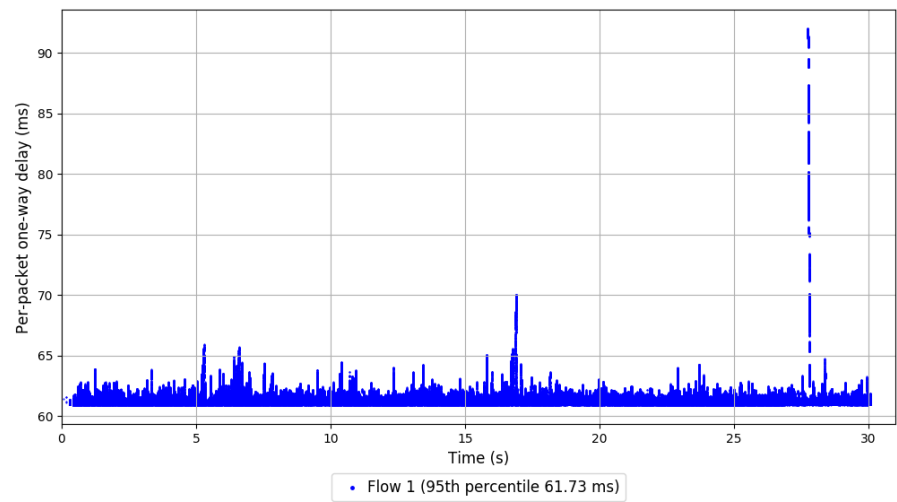
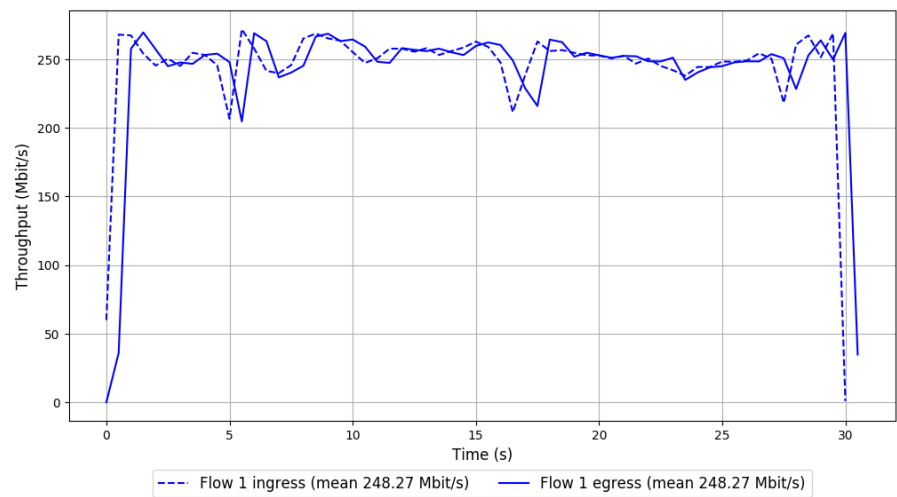
-- Flow 1:

Average throughput: 248.27 Mbit/s

95th percentile per-packet one-way delay: 61.735 ms

Loss rate: 0.00%

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

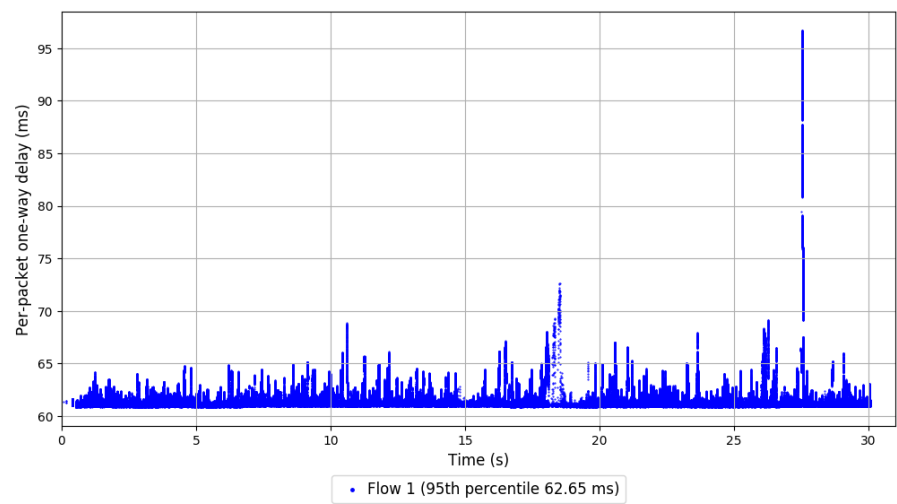
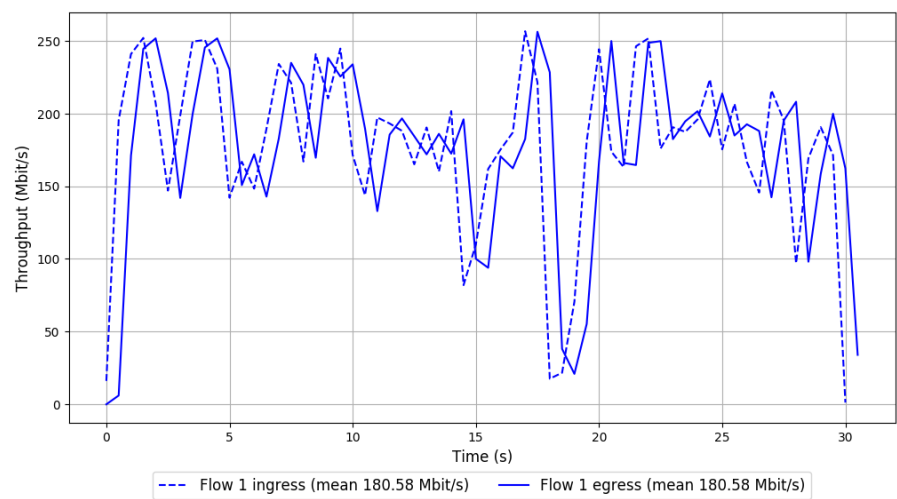


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-25 11:11:32
End at: 2018-07-25 11:12:02
Local clock offset: 0.195 ms
Remote clock offset: -0.201 ms

Below is generated by plot.py at 2018-07-25 14:02:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 180.58 Mbit/s
95th percentile per-packet one-way delay: 62.646 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 180.58 Mbit/s
95th percentile per-packet one-way delay: 62.646 ms
Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-25 11:33:06

End at: 2018-07-25 11:33:36

Local clock offset: 0.196 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-25 14:02:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.57 Mbit/s

95th percentile per-packet one-way delay: 62.545 ms

Loss rate: 0.00%

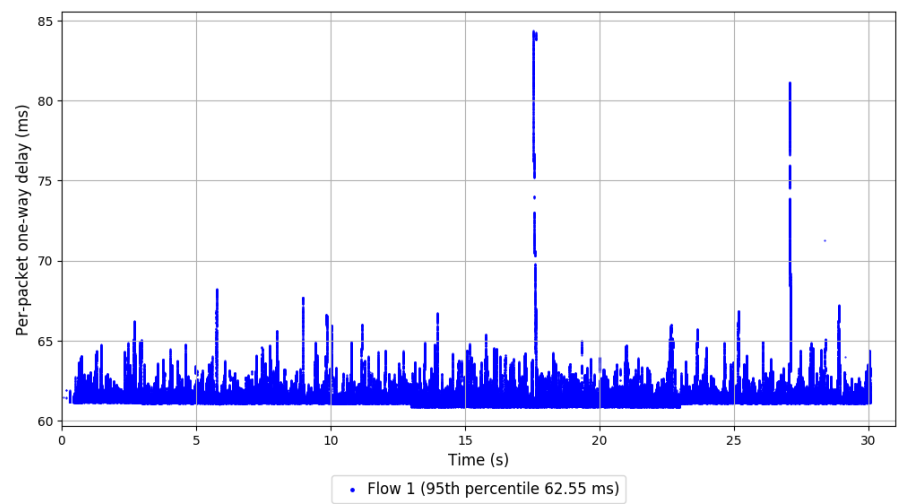
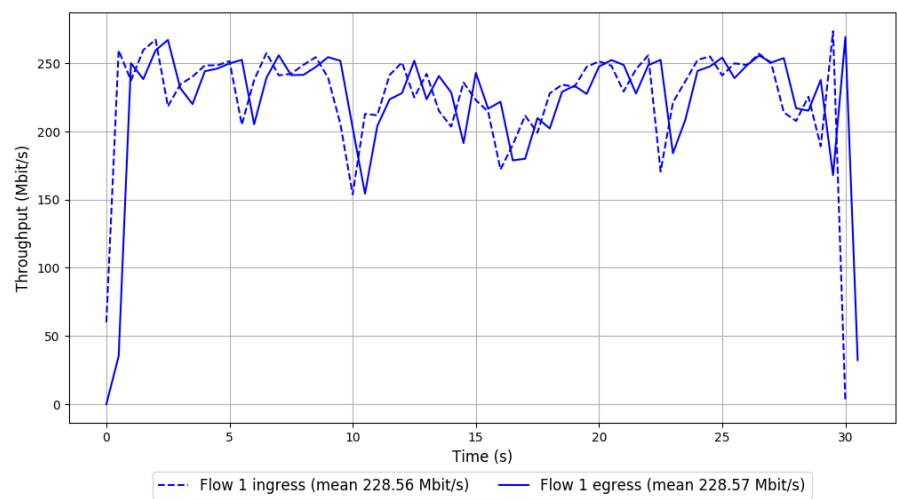
-- Flow 1:

Average throughput: 228.57 Mbit/s

95th percentile per-packet one-way delay: 62.545 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-25 11:54:36

End at: 2018-07-25 11:55:06

Local clock offset: 0.02 ms

Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-07-25 14:03:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.53 Mbit/s

95th percentile per-packet one-way delay: 62.455 ms

Loss rate: 0.00%

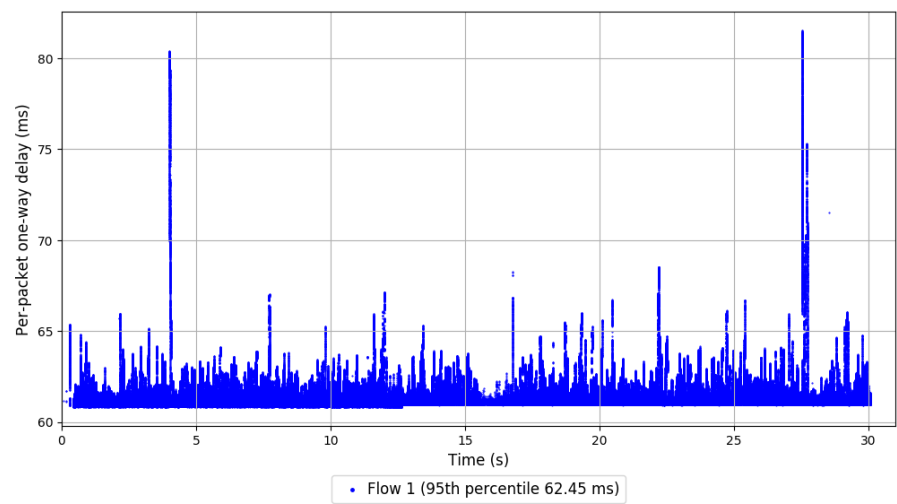
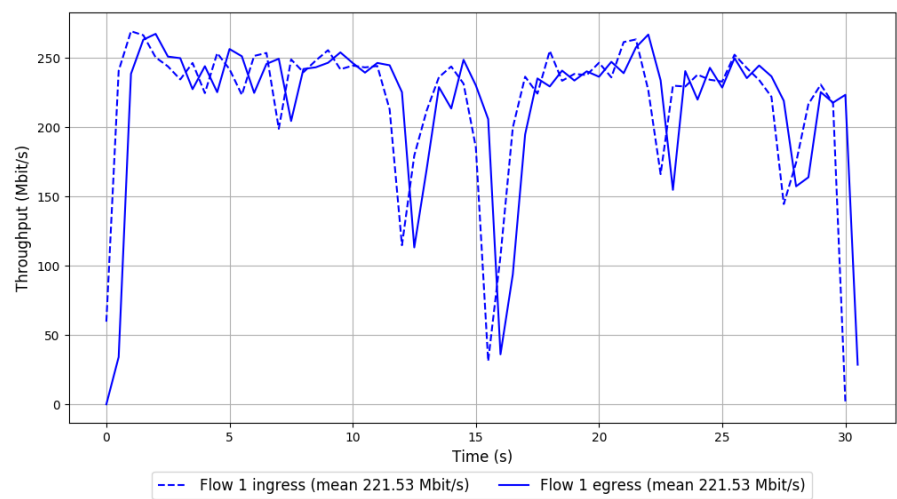
-- Flow 1:

Average throughput: 221.53 Mbit/s

95th percentile per-packet one-way delay: 62.455 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-25 12:16:13

End at: 2018-07-25 12:16:43

Local clock offset: -0.176 ms

Remote clock offset: 0.342 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 245.31 Mbit/s

95th percentile per-packet one-way delay: 61.874 ms

Loss rate: 0.00%

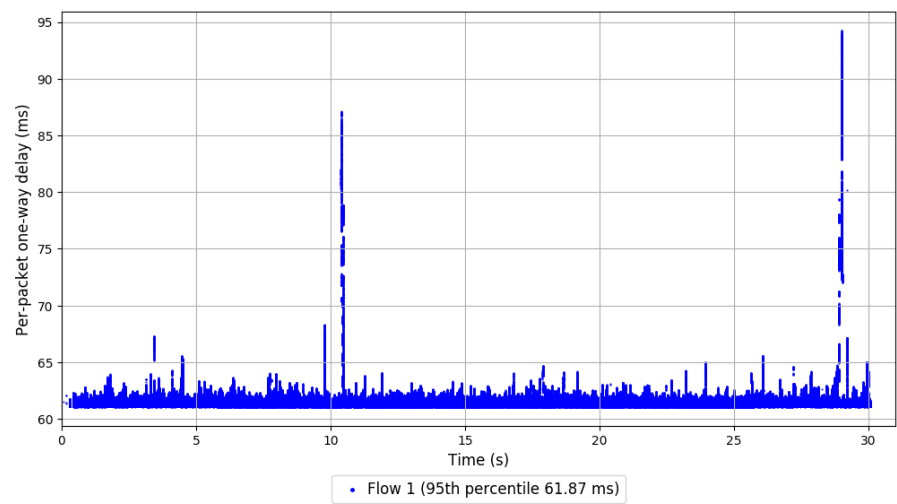
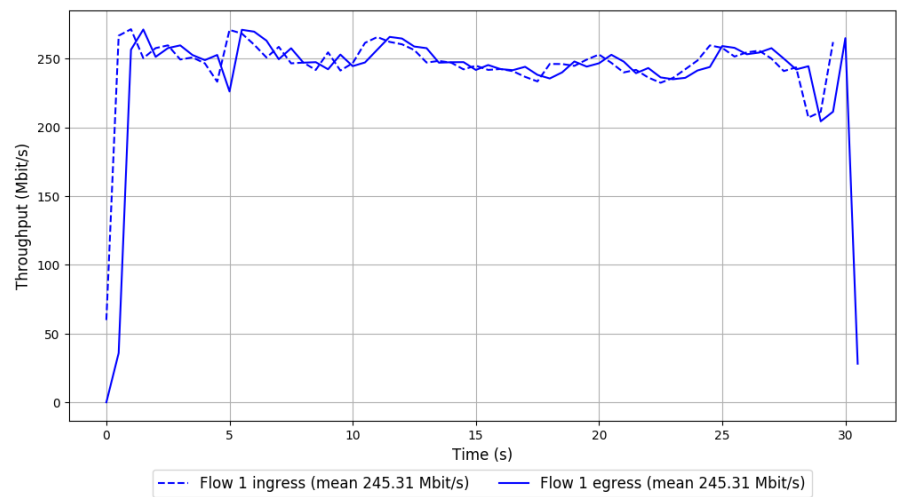
-- Flow 1:

Average throughput: 245.31 Mbit/s

95th percentile per-packet one-way delay: 61.874 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-25 09:12:37

End at: 2018-07-25 09:13:07

Local clock offset: -0.251 ms

Remote clock offset: 0.186 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 185.16 Mbit/s

95th percentile per-packet one-way delay: 73.392 ms

Loss rate: 0.00%

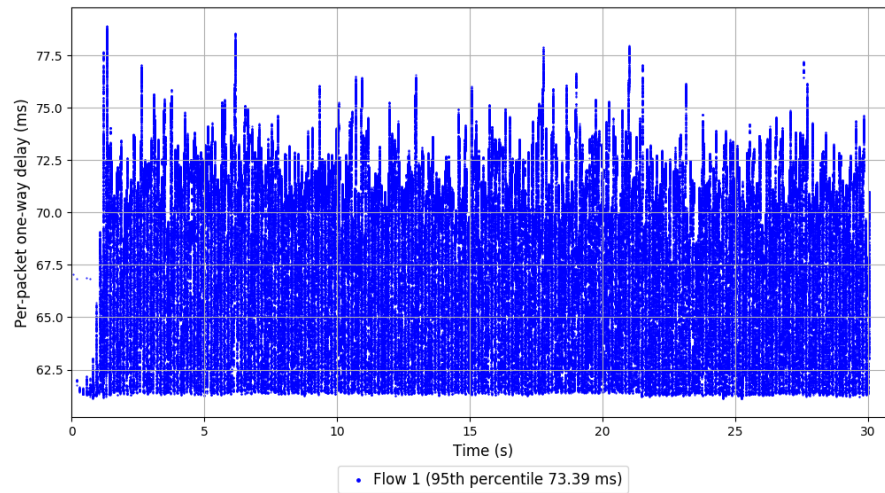
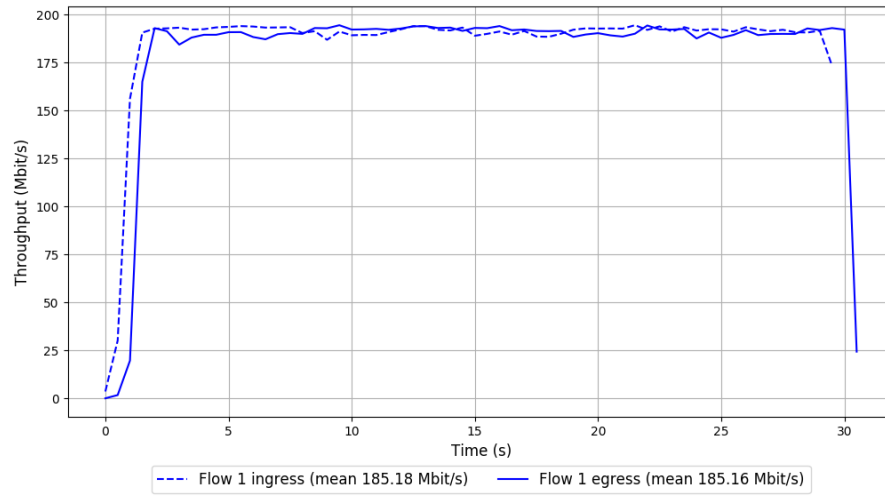
-- Flow 1:

Average throughput: 185.16 Mbit/s

95th percentile per-packet one-way delay: 73.392 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

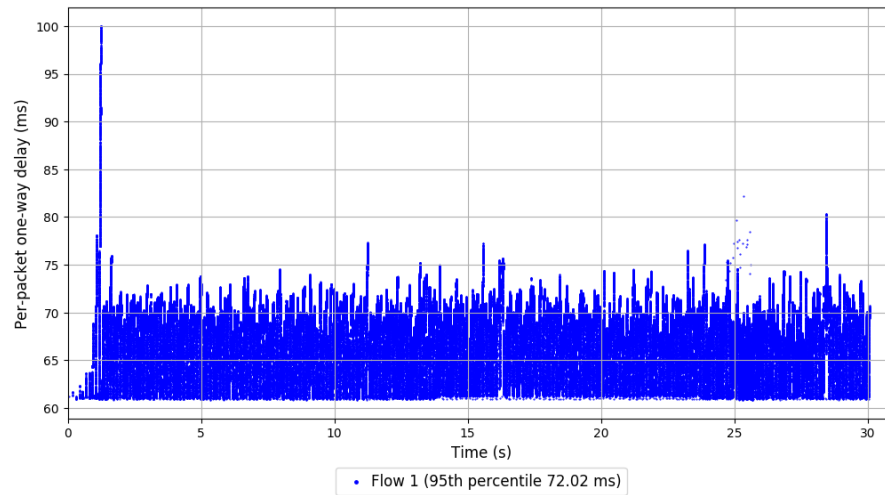
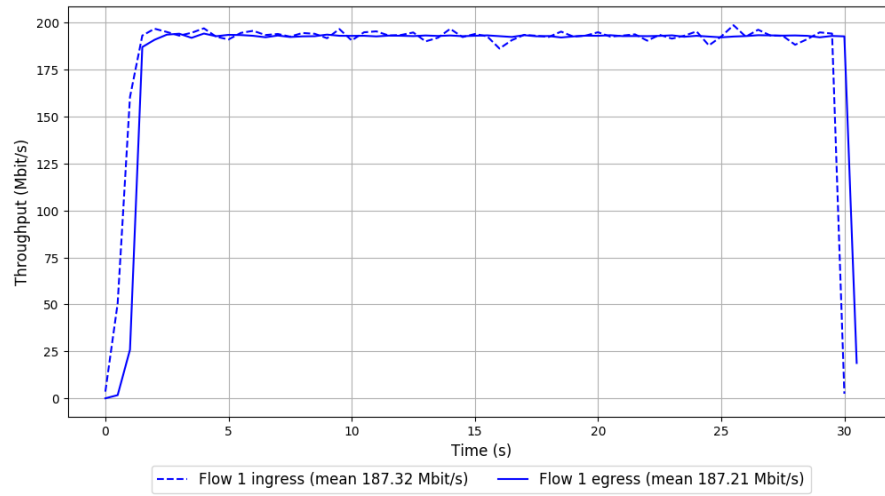


Run 2: Statistics of TCP Vegas

Start at: 2018-07-25 09:33:55
End at: 2018-07-25 09:34:25
Local clock offset: -0.28 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-07-25 14:07:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.21 Mbit/s
95th percentile per-packet one-way delay: 72.018 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 187.21 Mbit/s
95th percentile per-packet one-way delay: 72.018 ms
Loss rate: 0.05%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-25 09:55:42

End at: 2018-07-25 09:56:12

Local clock offset: -0.326 ms

Remote clock offset: 0.059 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.85 Mbit/s

95th percentile per-packet one-way delay: 68.511 ms

Loss rate: 0.00%

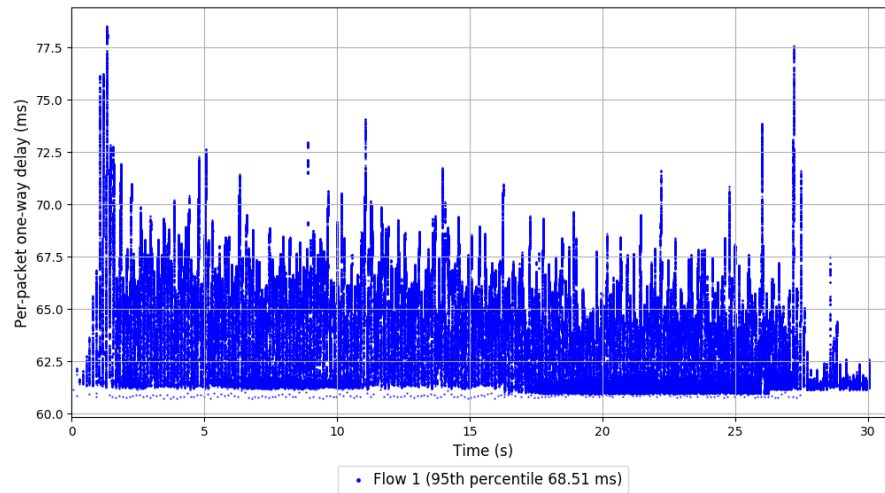
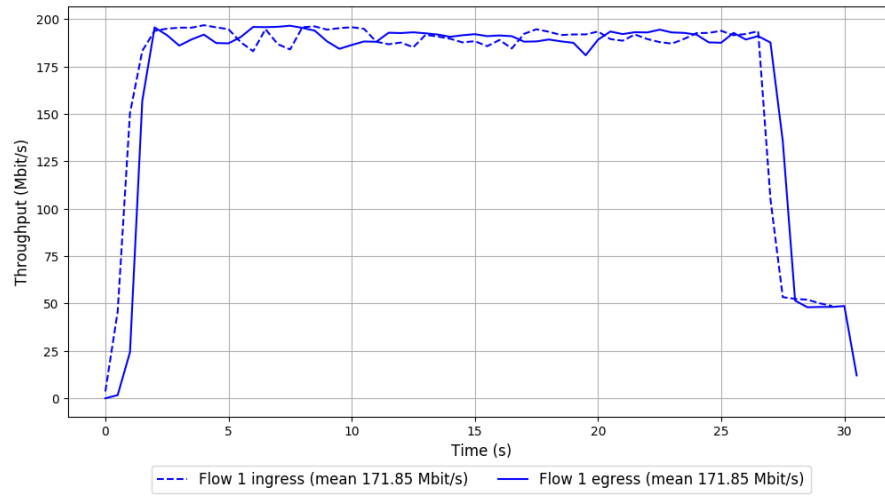
-- Flow 1:

Average throughput: 171.85 Mbit/s

95th percentile per-packet one-way delay: 68.511 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-25 10:17:04

End at: 2018-07-25 10:17:34

Local clock offset: -0.084 ms

Remote clock offset: 0.024 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.43 Mbit/s

95th percentile per-packet one-way delay: 69.223 ms

Loss rate: 0.00%

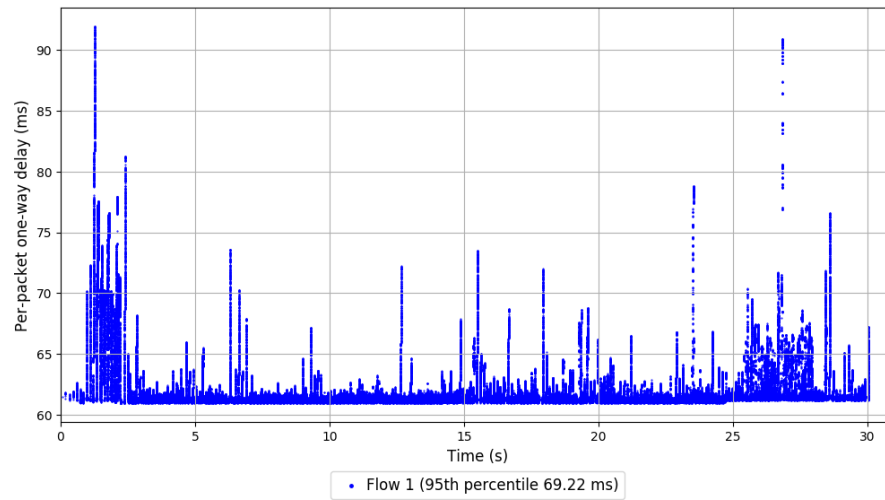
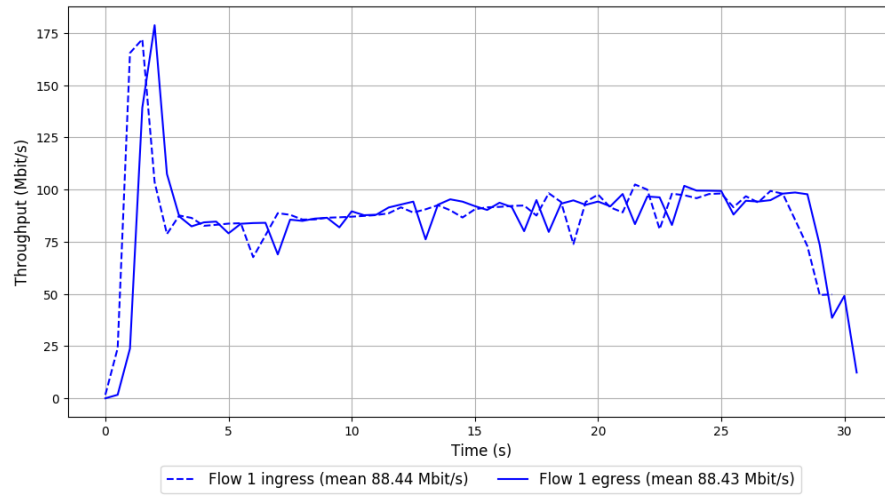
-- Flow 1:

Average throughput: 88.43 Mbit/s

95th percentile per-packet one-way delay: 69.223 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-25 10:38:28

End at: 2018-07-25 10:38:59

Local clock offset: 0.066 ms

Remote clock offset: 0.067 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.20 Mbit/s

95th percentile per-packet one-way delay: 64.060 ms

Loss rate: 0.00%

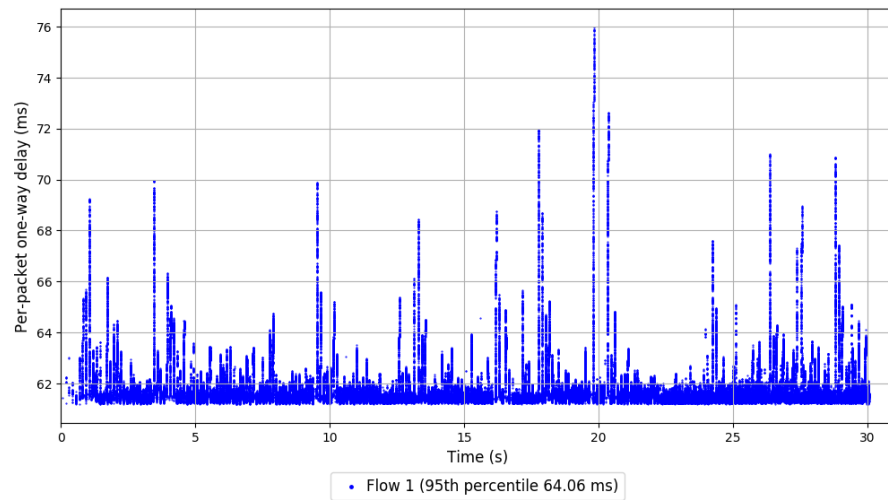
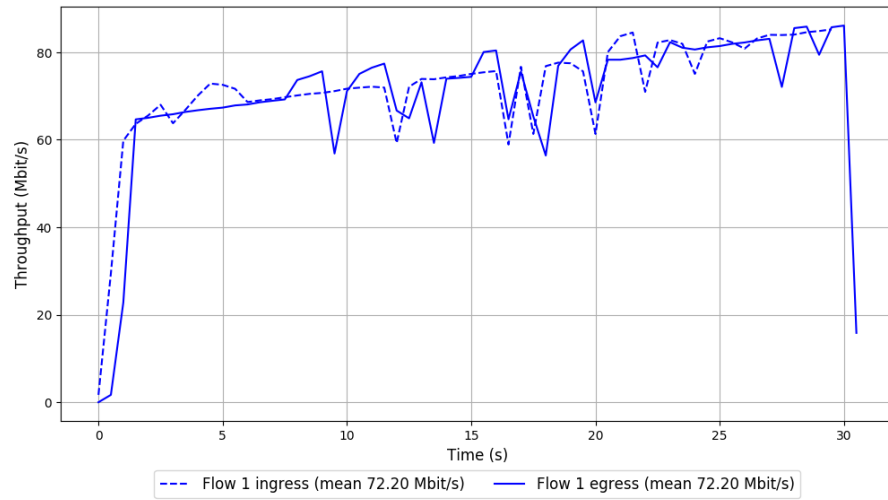
-- Flow 1:

Average throughput: 72.20 Mbit/s

95th percentile per-packet one-way delay: 64.060 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-25 10:59:58

End at: 2018-07-25 11:00:28

Local clock offset: 0.133 ms

Remote clock offset: 0.089 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 177.95 Mbit/s

95th percentile per-packet one-way delay: 72.111 ms

Loss rate: 0.00%

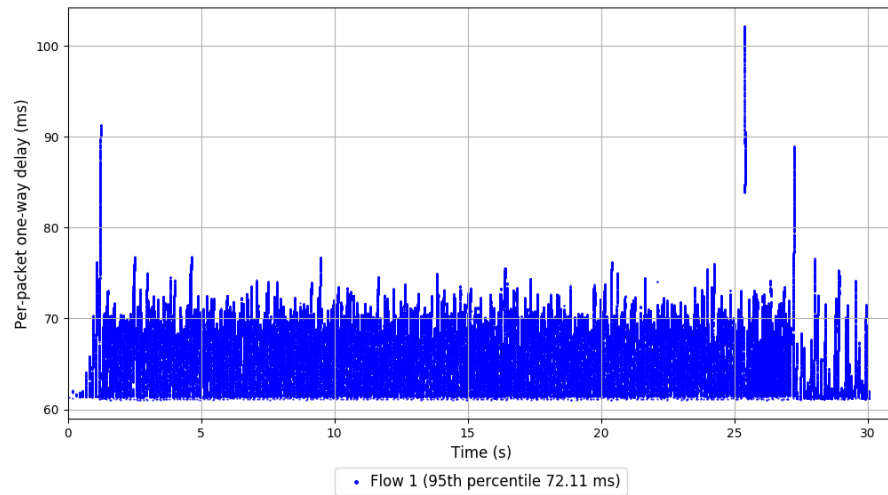
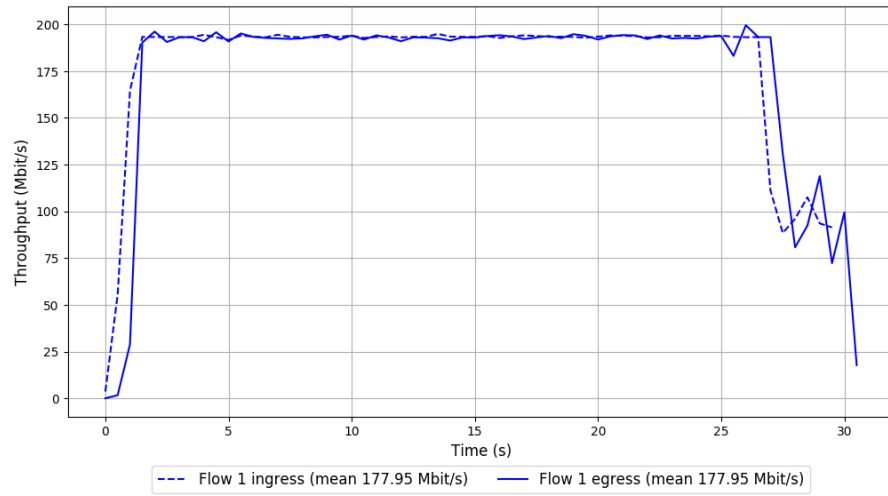
-- Flow 1:

Average throughput: 177.95 Mbit/s

95th percentile per-packet one-way delay: 72.111 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

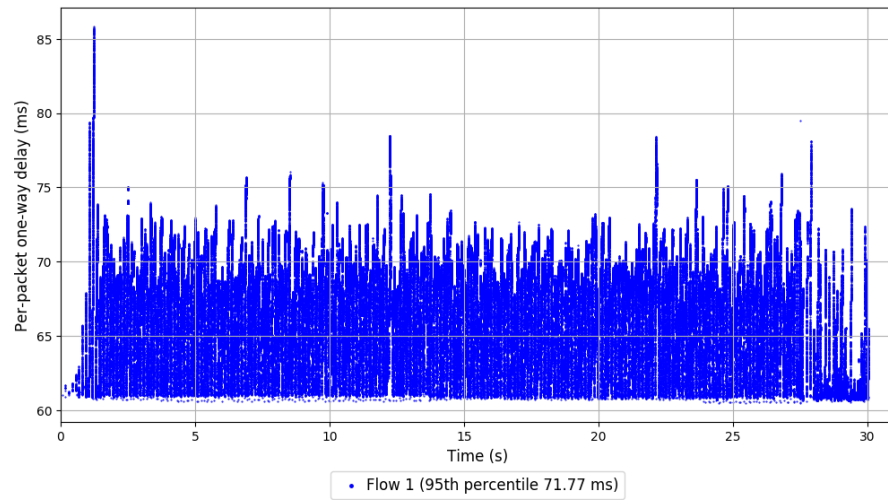
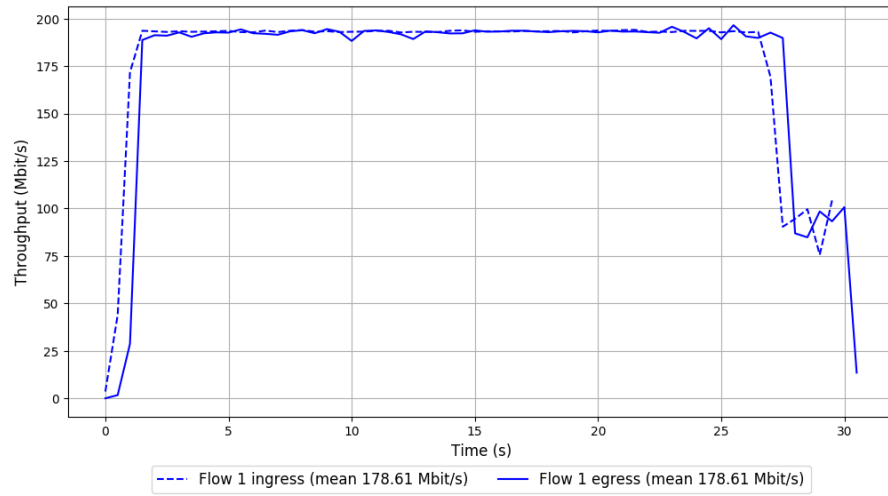


Run 7: Statistics of TCP Vegas

Start at: 2018-07-25 11:21:45
End at: 2018-07-25 11:22:15
Local clock offset: 0.154 ms
Remote clock offset: -0.424 ms

Below is generated by plot.py at 2018-07-25 14:07:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 178.61 Mbit/s
95th percentile per-packet one-way delay: 71.773 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 178.61 Mbit/s
95th percentile per-packet one-way delay: 71.773 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

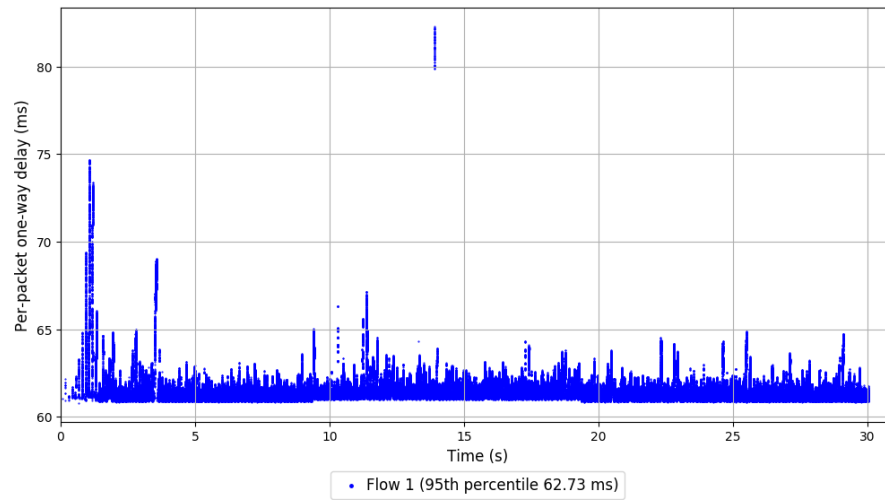
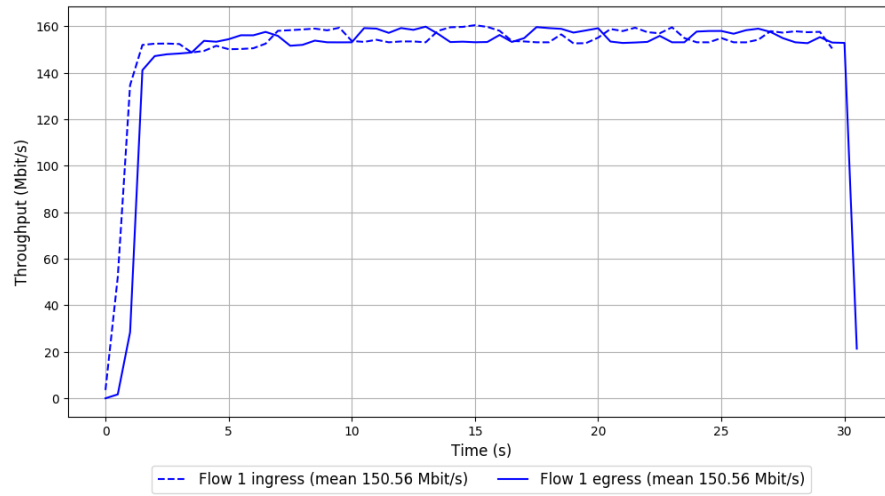


Run 8: Statistics of TCP Vegas

Start at: 2018-07-25 11:43:09
End at: 2018-07-25 11:43:39
Local clock offset: 0.14 ms
Remote clock offset: -0.253 ms

Below is generated by plot.py at 2018-07-25 14:07:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 150.56 Mbit/s
95th percentile per-packet one-way delay: 62.732 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 150.56 Mbit/s
95th percentile per-packet one-way delay: 62.732 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-25 12:04:48

End at: 2018-07-25 12:05:18

Local clock offset: -0.064 ms

Remote clock offset: -0.03 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 121.74 Mbit/s

95th percentile per-packet one-way delay: 62.832 ms

Loss rate: 0.00%

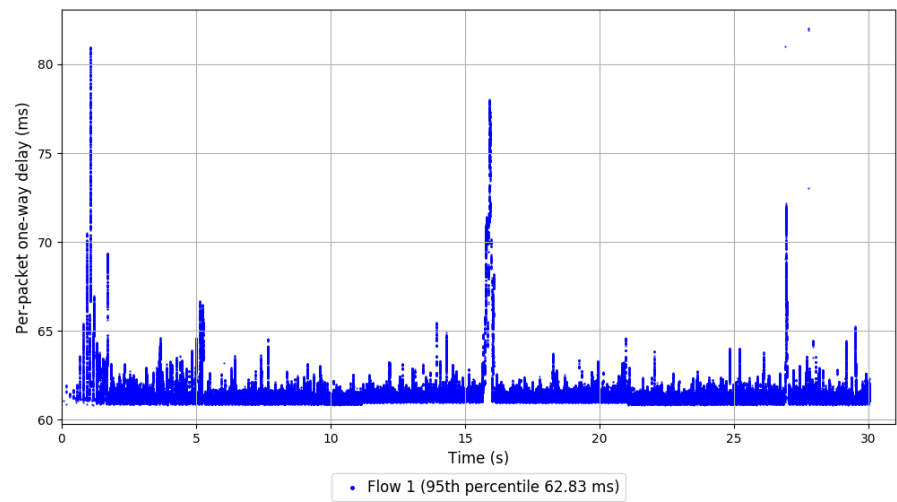
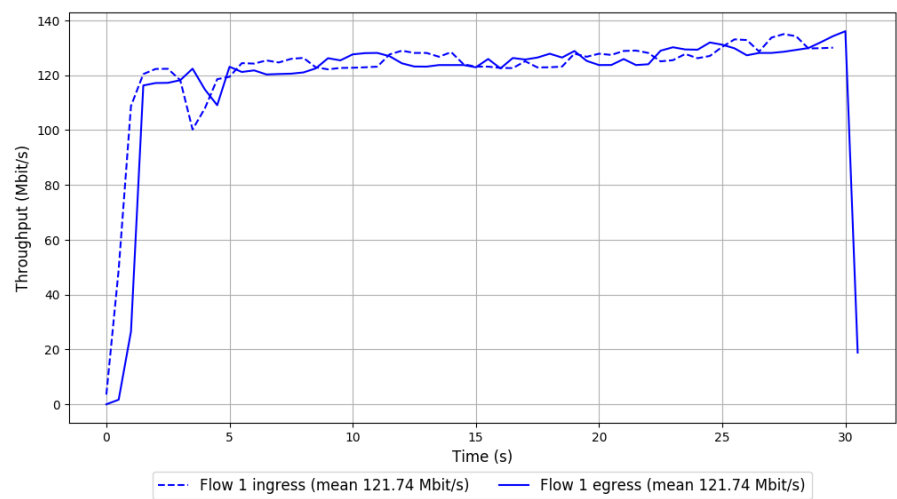
-- Flow 1:

Average throughput: 121.74 Mbit/s

95th percentile per-packet one-way delay: 62.832 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-25 12:26:31

End at: 2018-07-25 12:27:01

Local clock offset: -0.075 ms

Remote clock offset: 0.34 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.36 Mbit/s

95th percentile per-packet one-way delay: 72.321 ms

Loss rate: 0.00%

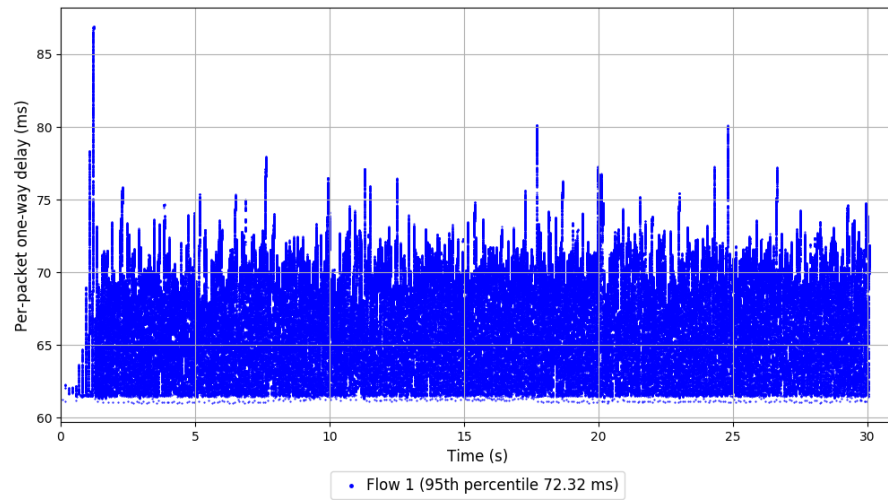
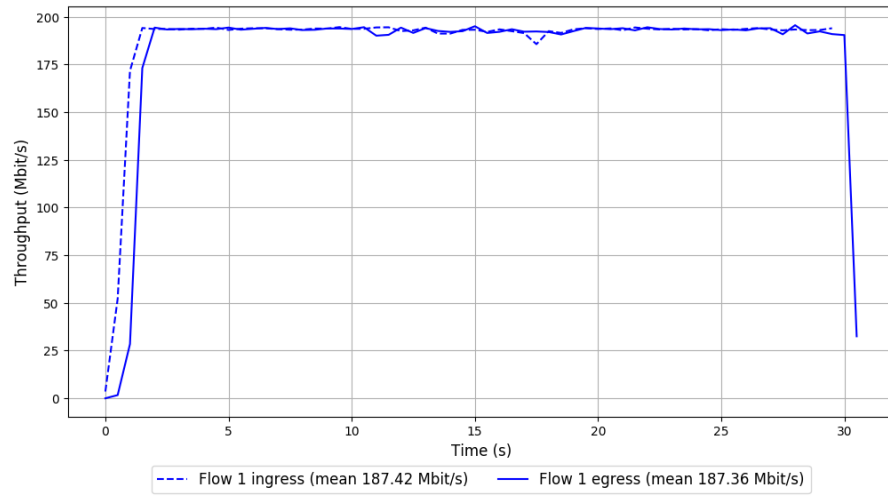
-- Flow 1:

Average throughput: 187.36 Mbit/s

95th percentile per-packet one-way delay: 72.321 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

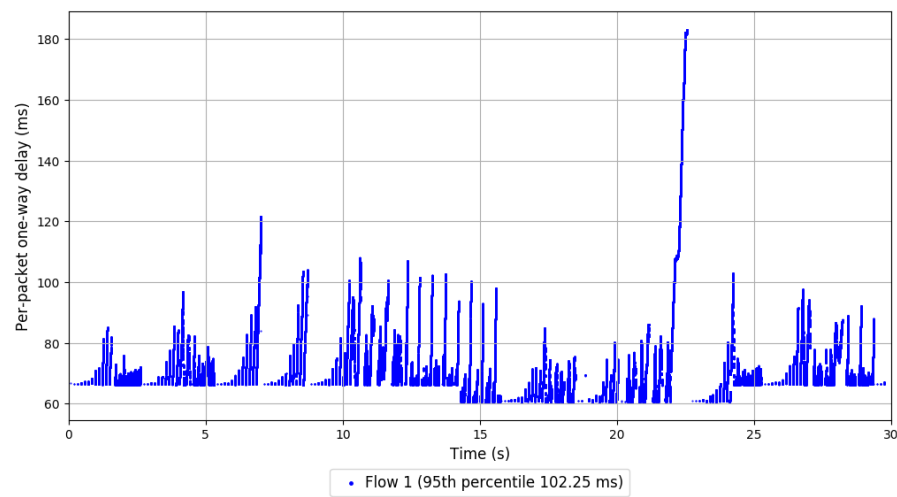
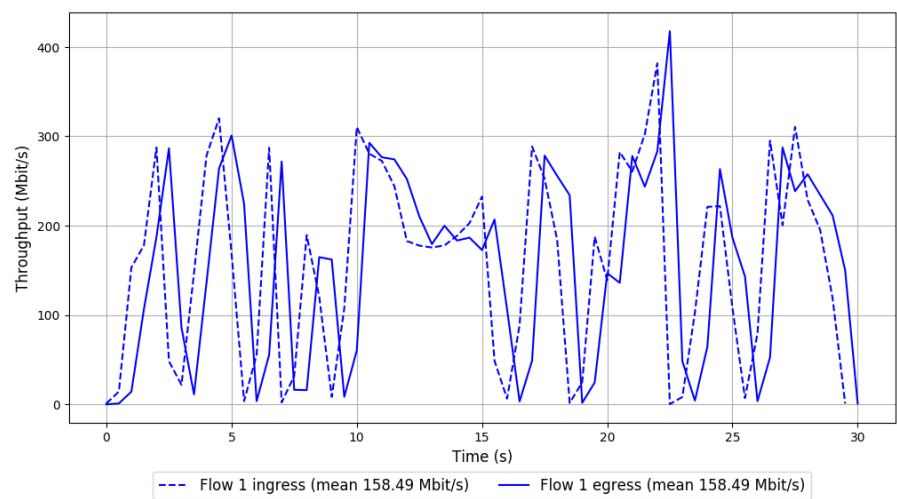


Run 1: Statistics of Verus

Start at: 2018-07-25 09:00:04
End at: 2018-07-25 09:00:34
Local clock offset: -0.258 ms
Remote clock offset: -0.307 ms

Below is generated by plot.py at 2018-07-25 14:07:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 158.49 Mbit/s
95th percentile per-packet one-way delay: 102.250 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 158.49 Mbit/s
95th percentile per-packet one-way delay: 102.250 ms
Loss rate: 0.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-07-25 09:21:27

End at: 2018-07-25 09:21:57

Local clock offset: -0.251 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-07-25 14:08:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.06 Mbit/s

95th percentile per-packet one-way delay: 89.743 ms

Loss rate: 0.83%

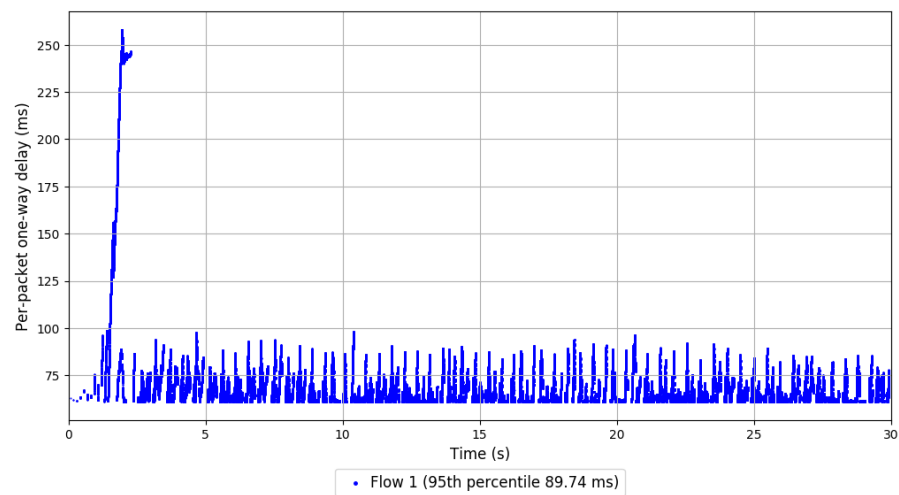
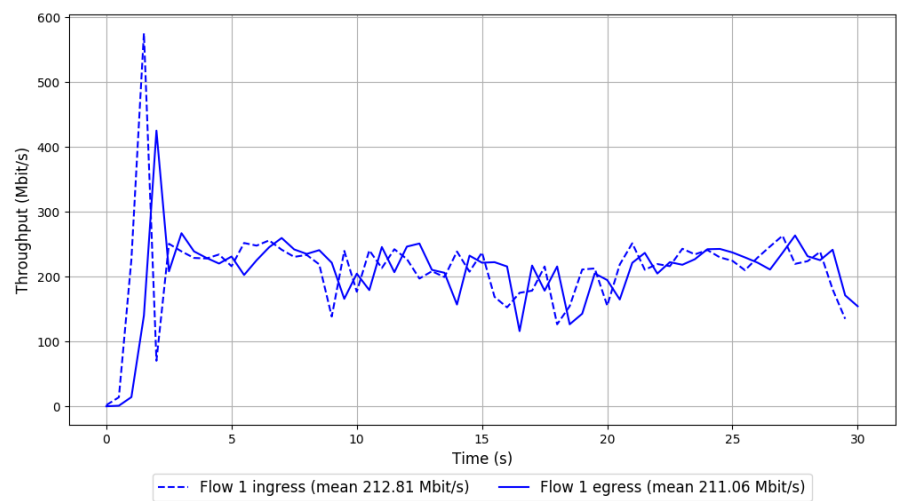
-- Flow 1:

Average throughput: 211.06 Mbit/s

95th percentile per-packet one-way delay: 89.743 ms

Loss rate: 0.83%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-25 09:42:51

End at: 2018-07-25 09:43:21

Local clock offset: -0.294 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-07-25 14:10:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.06 Mbit/s

95th percentile per-packet one-way delay: 131.391 ms

Loss rate: 0.20%

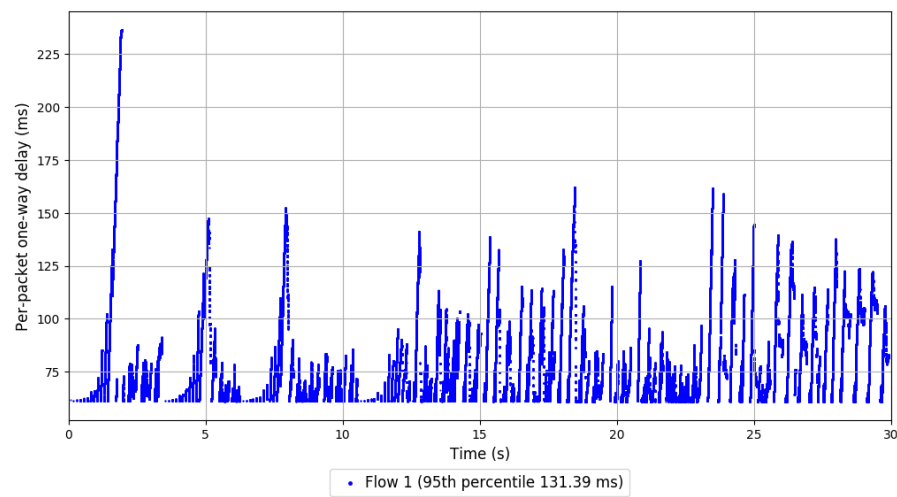
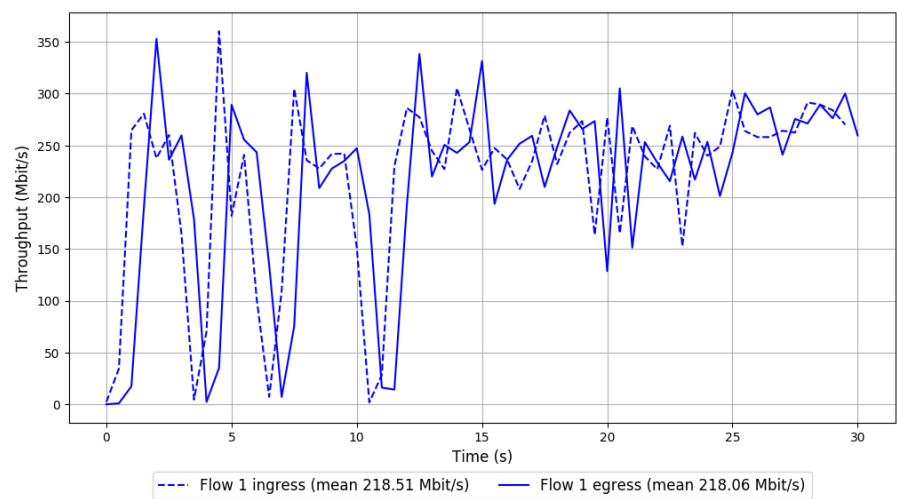
-- Flow 1:

Average throughput: 218.06 Mbit/s

95th percentile per-packet one-way delay: 131.391 ms

Loss rate: 0.20%

Run 3: Report of Verus — Data Link

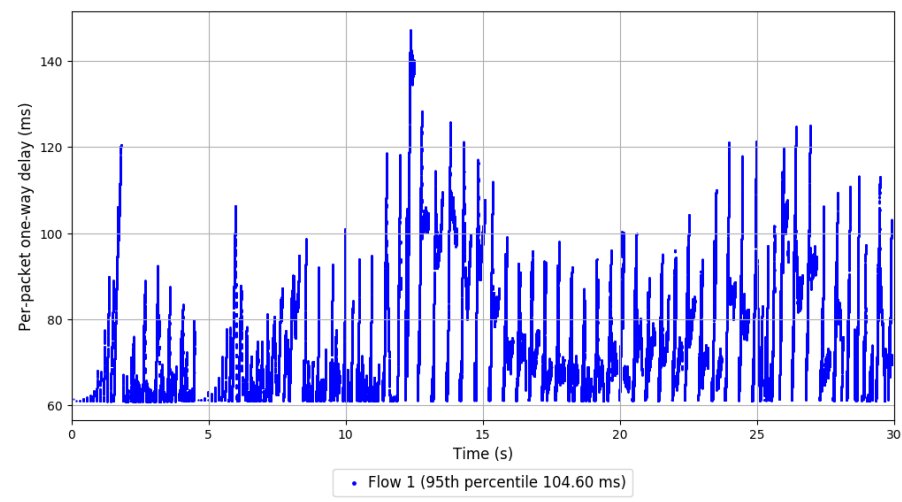
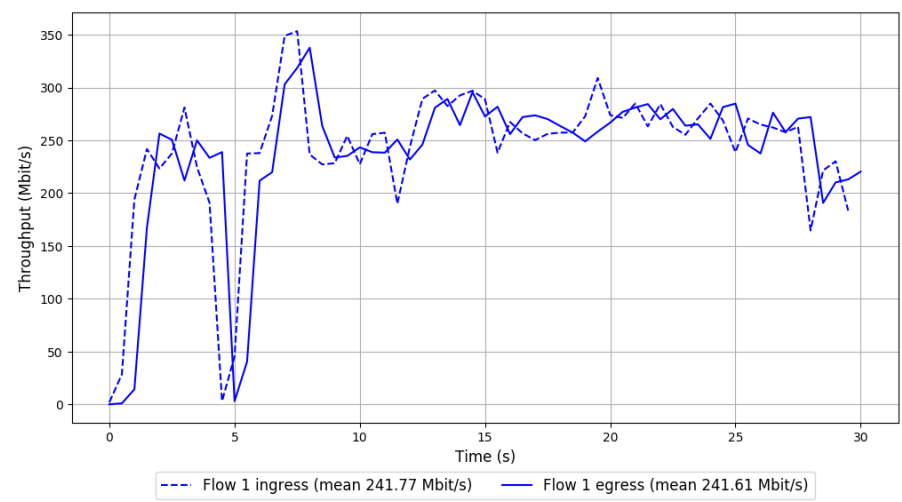


Run 4: Statistics of Verus

Start at: 2018-07-25 10:04:45
End at: 2018-07-25 10:05:15
Local clock offset: -0.315 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-07-25 14:10:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 241.61 Mbit/s
95th percentile per-packet one-way delay: 104.602 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 241.61 Mbit/s
95th percentile per-packet one-way delay: 104.602 ms
Loss rate: 0.06%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

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

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

Local clock offset: 0.002 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-07-25 14:10:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.47 Mbit/s

95th percentile per-packet one-way delay: 133.280 ms

Loss rate: 0.00%

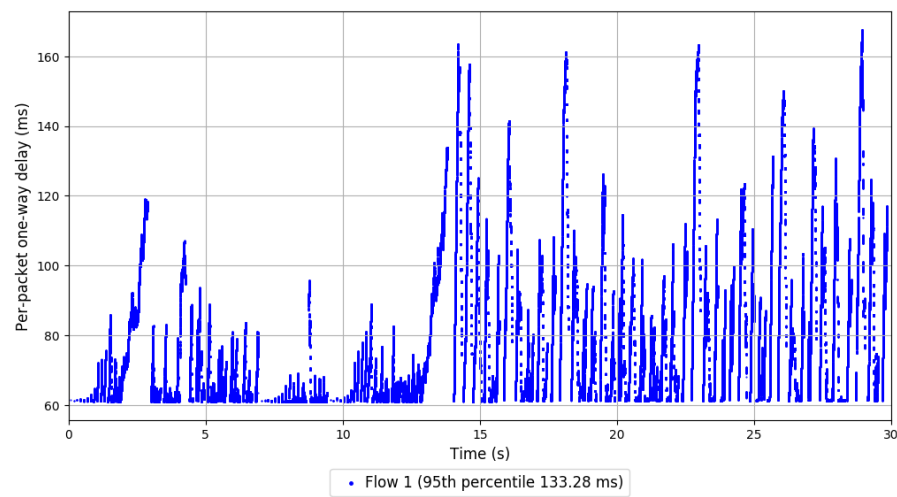
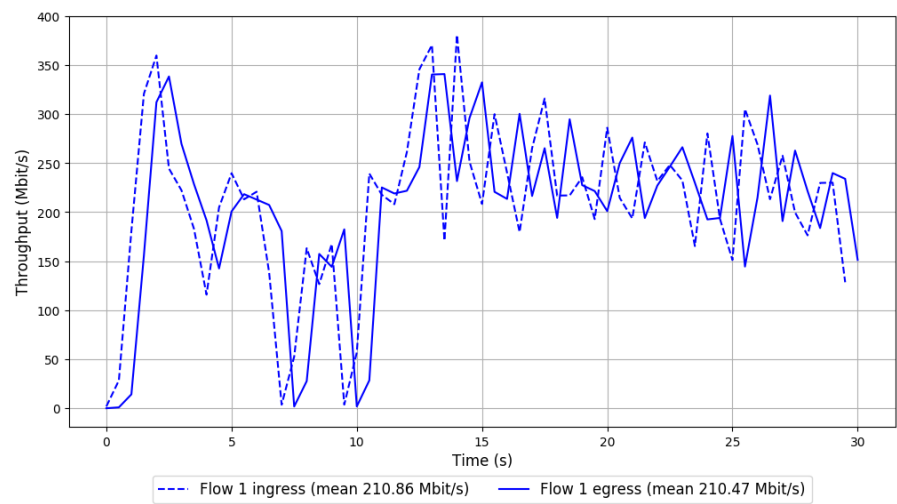
-- Flow 1:

Average throughput: 210.47 Mbit/s

95th percentile per-packet one-way delay: 133.280 ms

Loss rate: 0.00%

Run 5: Report of Verus — Data Link

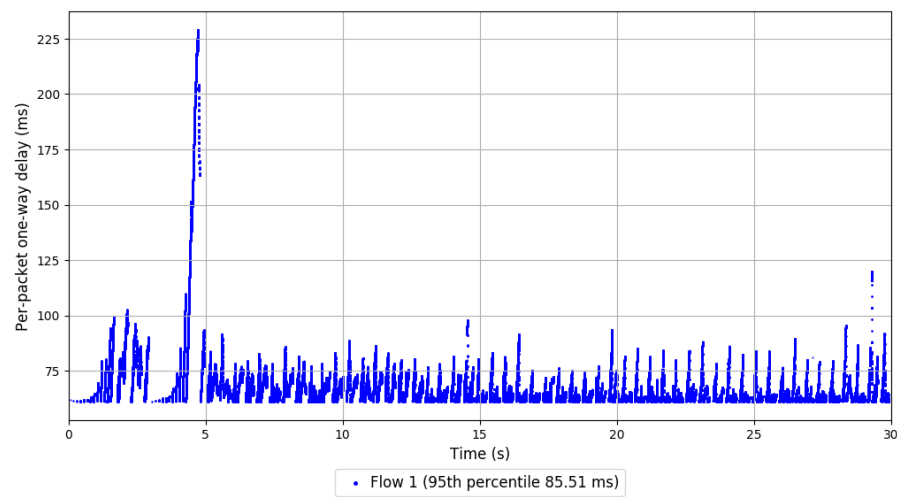
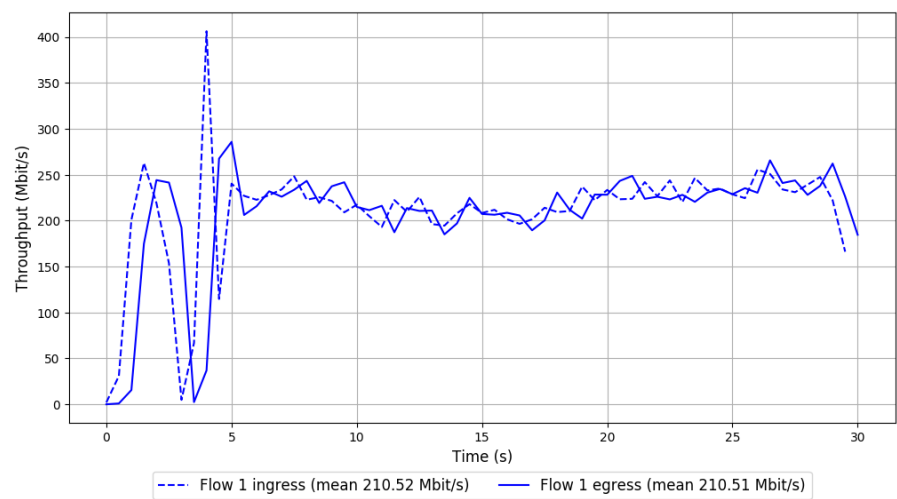


Run 6: Statistics of Verus

Start at: 2018-07-25 10:47:09
End at: 2018-07-25 10:47:39
Local clock offset: 0.082 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-07-25 14:11:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 210.51 Mbit/s
95th percentile per-packet one-way delay: 85.508 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 210.51 Mbit/s
95th percentile per-packet one-way delay: 85.508 ms
Loss rate: 0.00%

Run 6: Report of Verus — Data Link

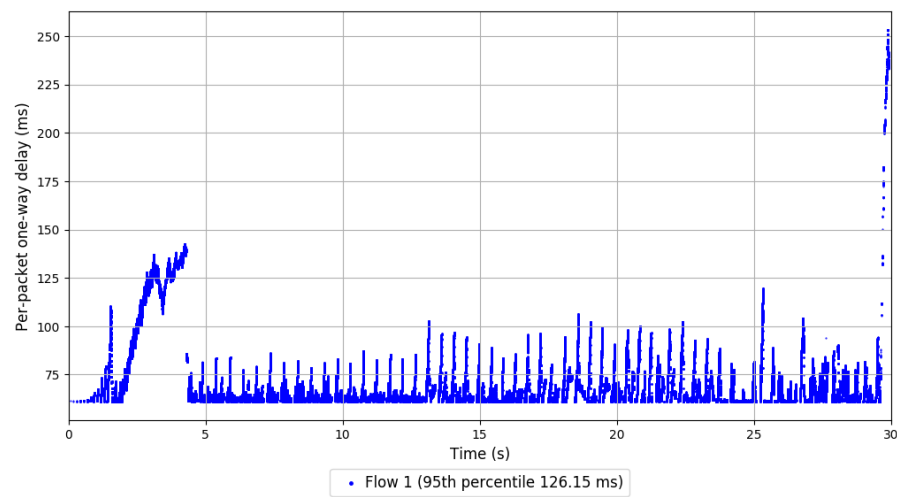
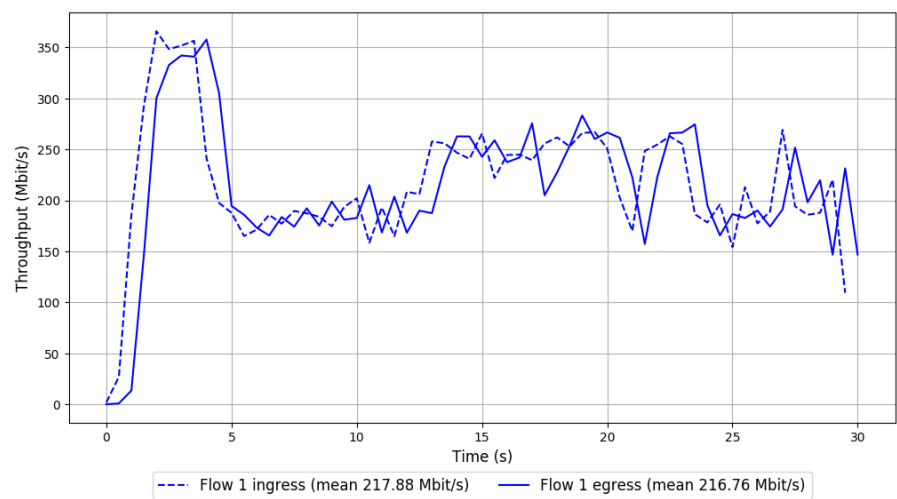


Run 7: Statistics of Verus

Start at: 2018-07-25 11:08:55
End at: 2018-07-25 11:09:25
Local clock offset: 0.245 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-25 14:11:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.76 Mbit/s
95th percentile per-packet one-way delay: 126.152 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 216.76 Mbit/s
95th percentile per-packet one-way delay: 126.152 ms
Loss rate: 0.01%

Run 7: Report of Verus — Data Link

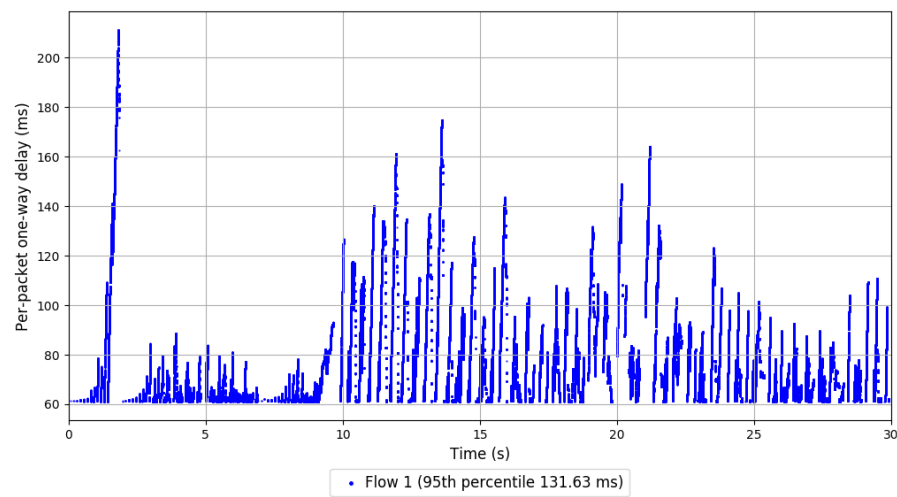
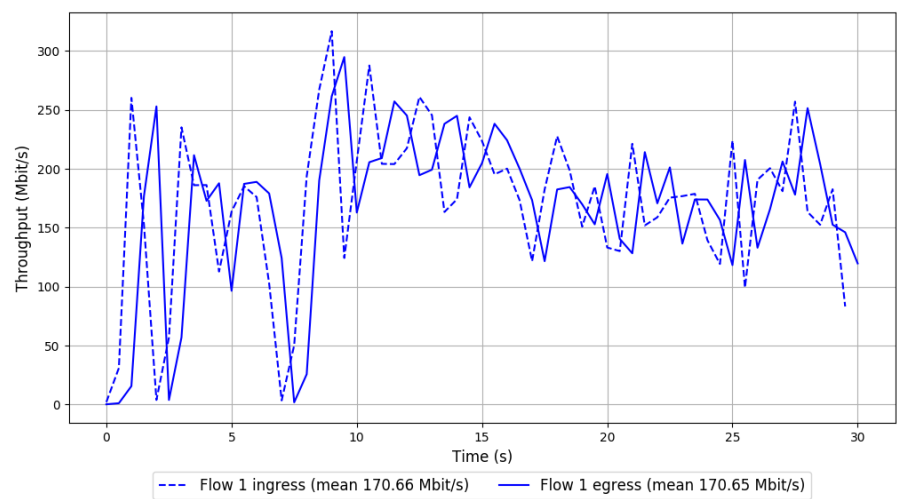


Run 8: Statistics of Verus

Start at: 2018-07-25 11:30:35
End at: 2018-07-25 11:31:05
Local clock offset: 0.156 ms
Remote clock offset: -0.207 ms

Below is generated by plot.py at 2018-07-25 14:11:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 170.65 Mbit/s
95th percentile per-packet one-way delay: 131.629 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 170.65 Mbit/s
95th percentile per-packet one-way delay: 131.629 ms
Loss rate: 0.00%

Run 8: Report of Verus — Data Link

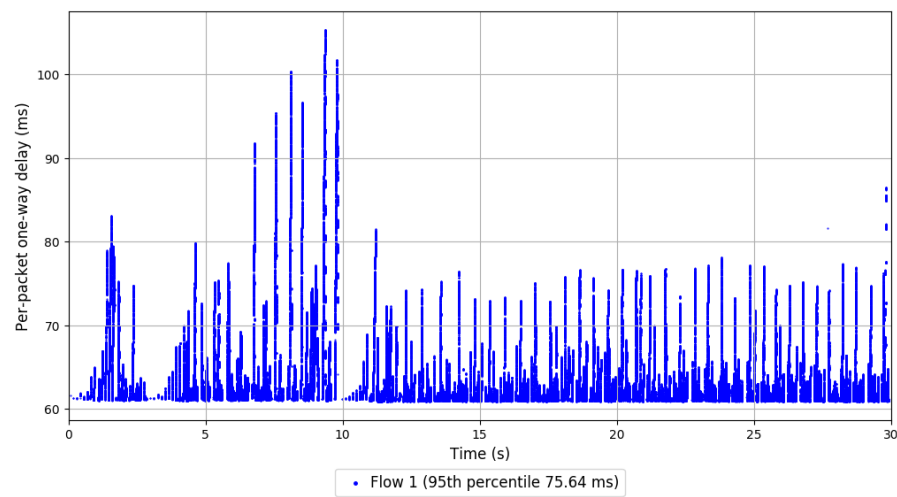
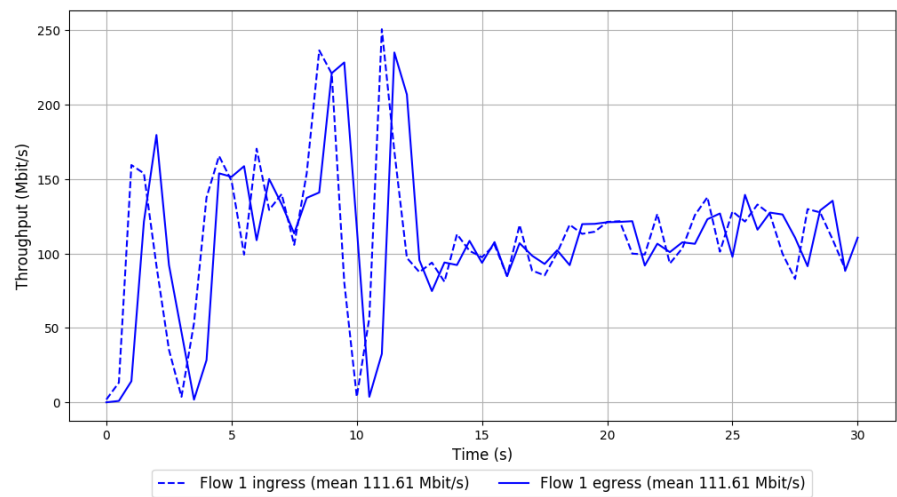


Run 9: Statistics of Verus

Start at: 2018-07-25 11:52:07
End at: 2018-07-25 11:52:38
Local clock offset: 0.08 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-25 14:11:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 111.61 Mbit/s
95th percentile per-packet one-way delay: 75.640 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 111.61 Mbit/s
95th percentile per-packet one-way delay: 75.640 ms
Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-25 12:13:42

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

Local clock offset: -0.124 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-25 14:12:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 149.22 Mbit/s

95th percentile per-packet one-way delay: 189.055 ms

Loss rate: 0.00%

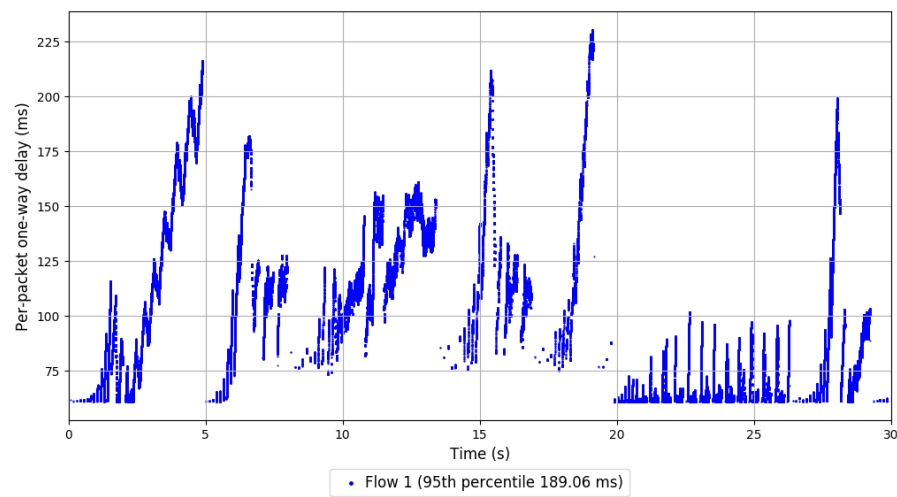
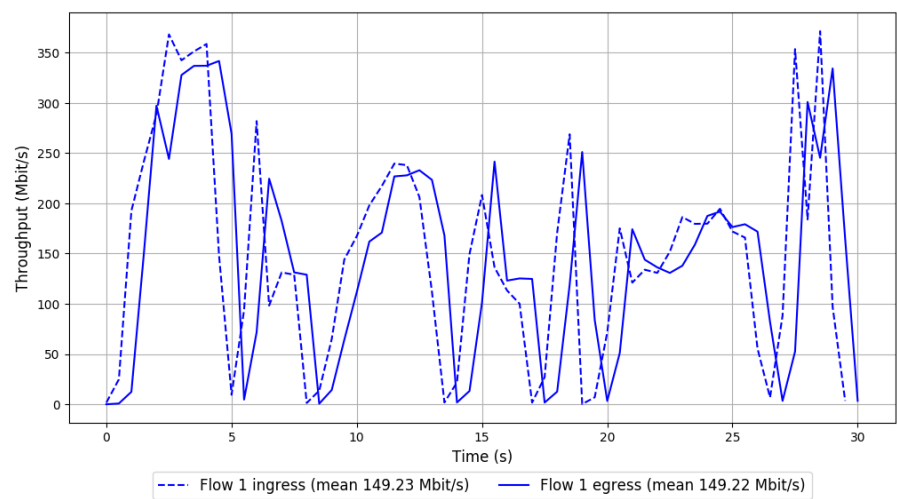
-- Flow 1:

Average throughput: 149.22 Mbit/s

95th percentile per-packet one-way delay: 189.055 ms

Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

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

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

Local clock offset: -0.241 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-07-25 14:16:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 357.95 Mbit/s

95th percentile per-packet one-way delay: 61.859 ms

Loss rate: 0.00%

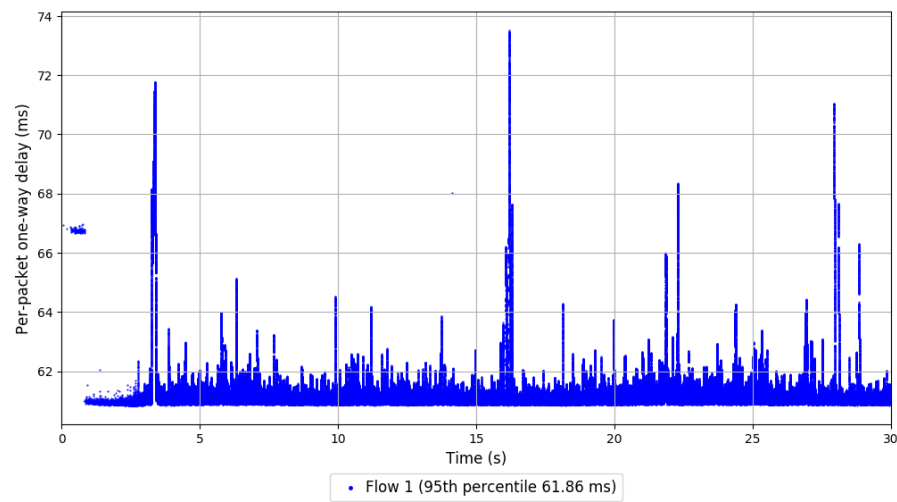
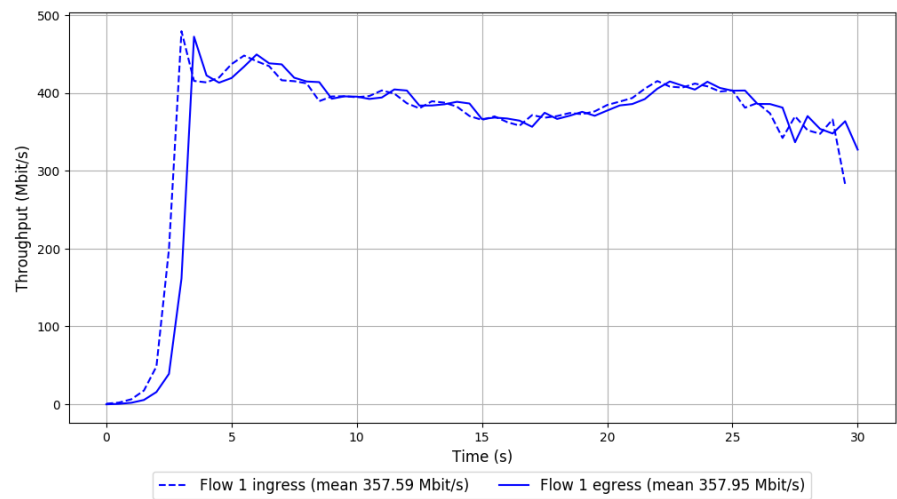
-- Flow 1:

Average throughput: 357.95 Mbit/s

95th percentile per-packet one-way delay: 61.859 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-25 09:29:20

End at: 2018-07-25 09:29:50

Local clock offset: -0.254 ms

Remote clock offset: 0.147 ms

Below is generated by plot.py at 2018-07-25 14:16:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.48 Mbit/s

95th percentile per-packet one-way delay: 61.513 ms

Loss rate: 0.03%

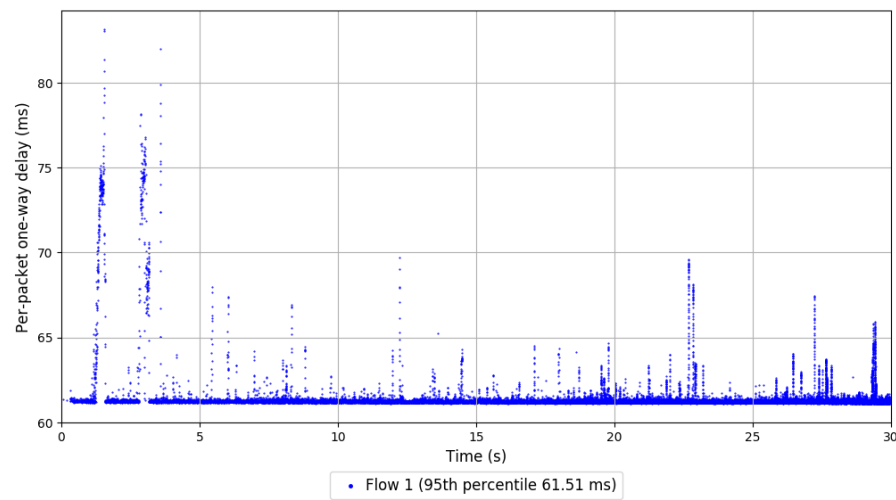
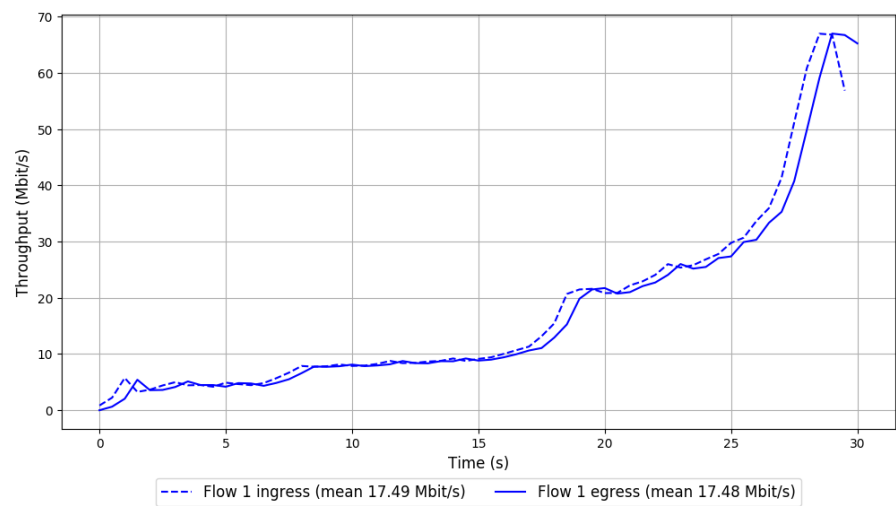
-- Flow 1:

Average throughput: 17.48 Mbit/s

95th percentile per-packet one-way delay: 61.513 ms

Loss rate: 0.03%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-25 09:50:45

End at: 2018-07-25 09:51:15

Local clock offset: -0.316 ms

Remote clock offset: 0.127 ms

Below is generated by plot.py at 2018-07-25 14:16:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 336.99 Mbit/s

95th percentile per-packet one-way delay: 61.709 ms

Loss rate: 0.00%

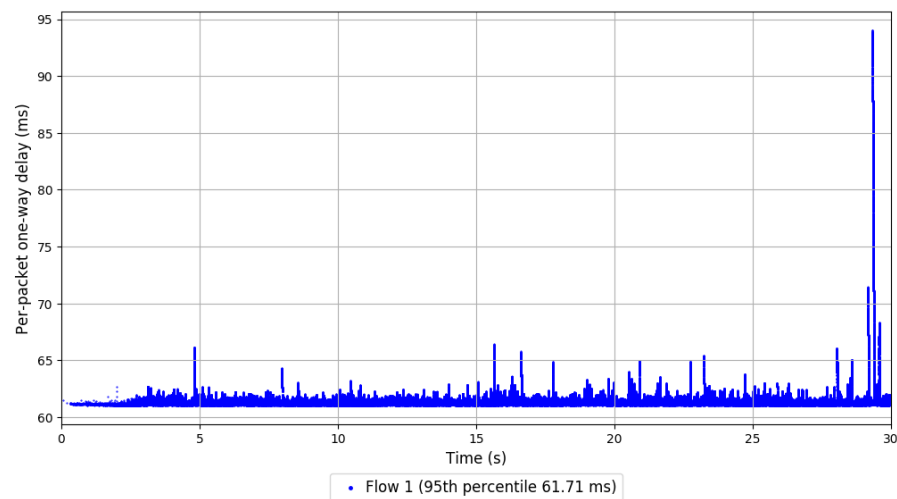
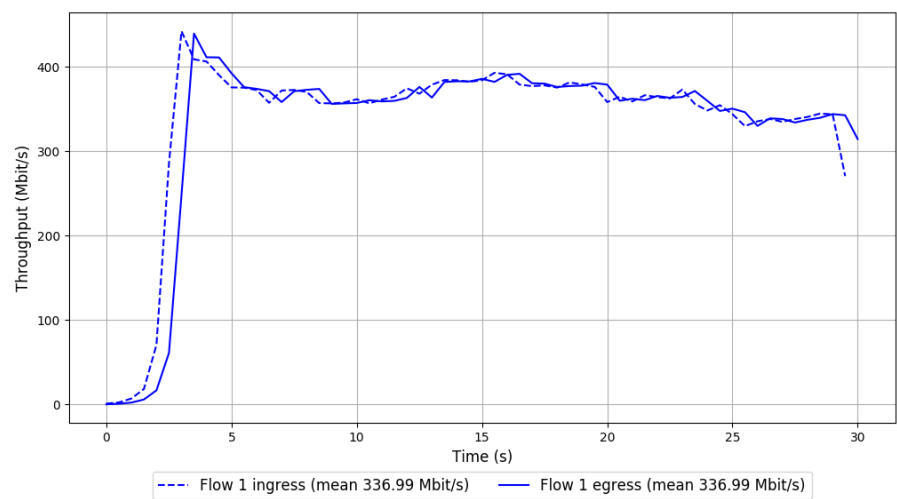
-- Flow 1:

Average throughput: 336.99 Mbit/s

95th percentile per-packet one-way delay: 61.709 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-25 10:12:30

End at: 2018-07-25 10:13:00

Local clock offset: -0.146 ms

Remote clock offset: -0.24 ms

Below is generated by plot.py at 2018-07-25 14:16:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 25.27 Mbit/s

95th percentile per-packet one-way delay: 61.002 ms

Loss rate: 0.04%

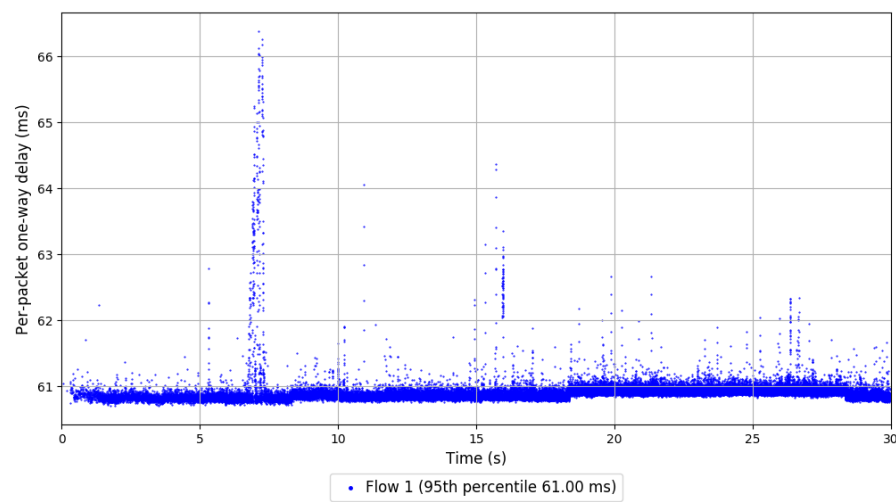
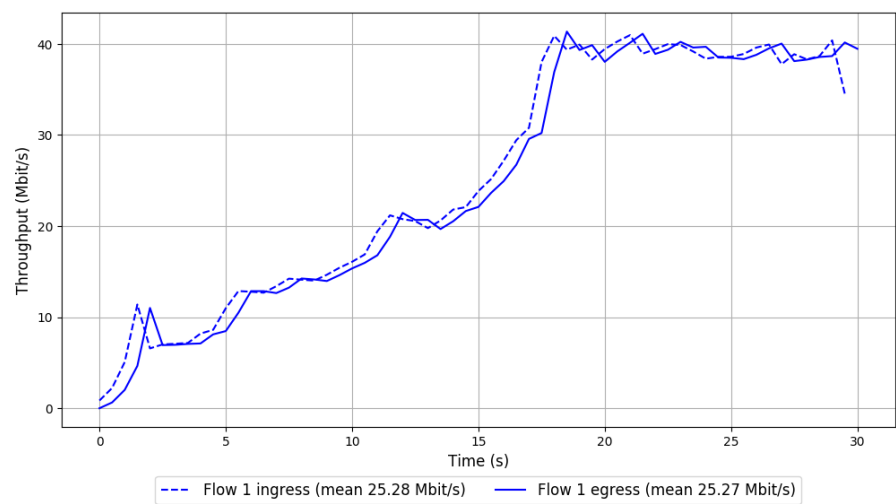
-- Flow 1:

Average throughput: 25.27 Mbit/s

95th percentile per-packet one-way delay: 61.002 ms

Loss rate: 0.04%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-25 10:33:48

End at: 2018-07-25 10:34:18

Local clock offset: 0.051 ms

Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-25 14:16:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 105.75 Mbit/s

95th percentile per-packet one-way delay: 61.330 ms

Loss rate: 0.00%

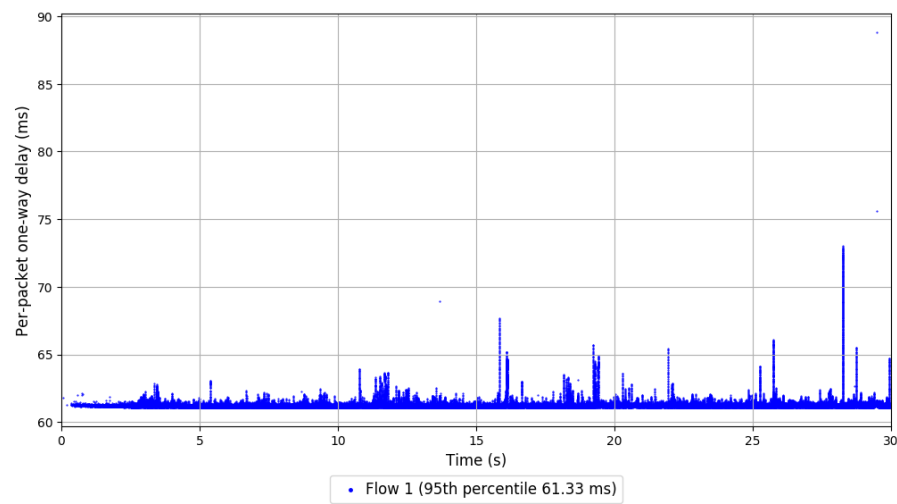
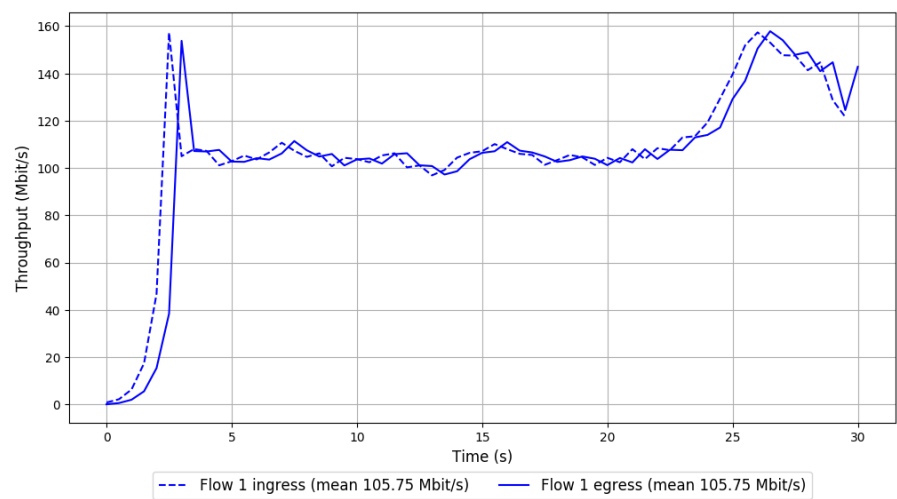
-- Flow 1:

Average throughput: 105.75 Mbit/s

95th percentile per-packet one-way delay: 61.330 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

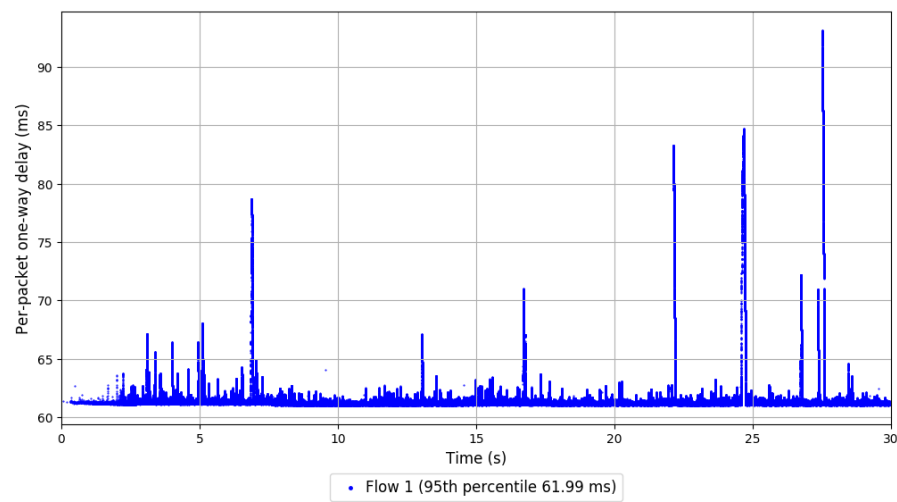
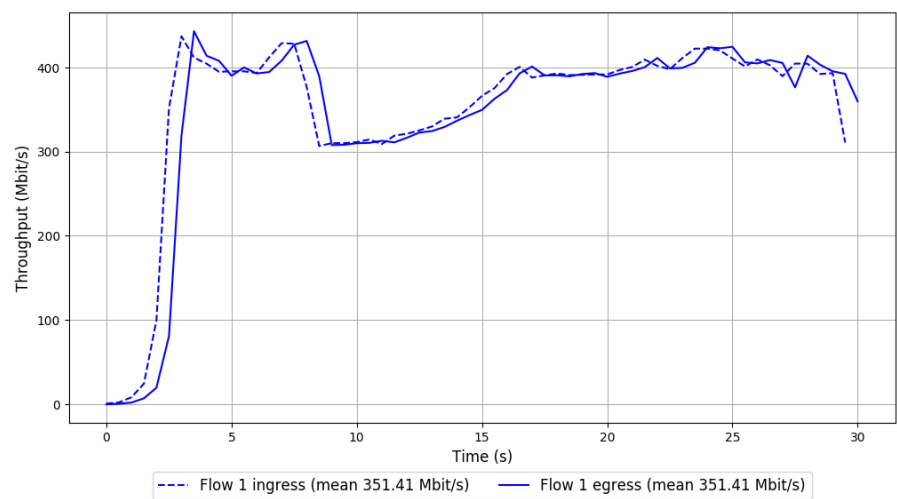


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-25 10:55:01
End at: 2018-07-25 10:55:31
Local clock offset: 0.113 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-25 14:17:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 351.41 Mbit/s
95th percentile per-packet one-way delay: 61.990 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 351.41 Mbit/s
95th percentile per-packet one-way delay: 61.990 ms
Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link

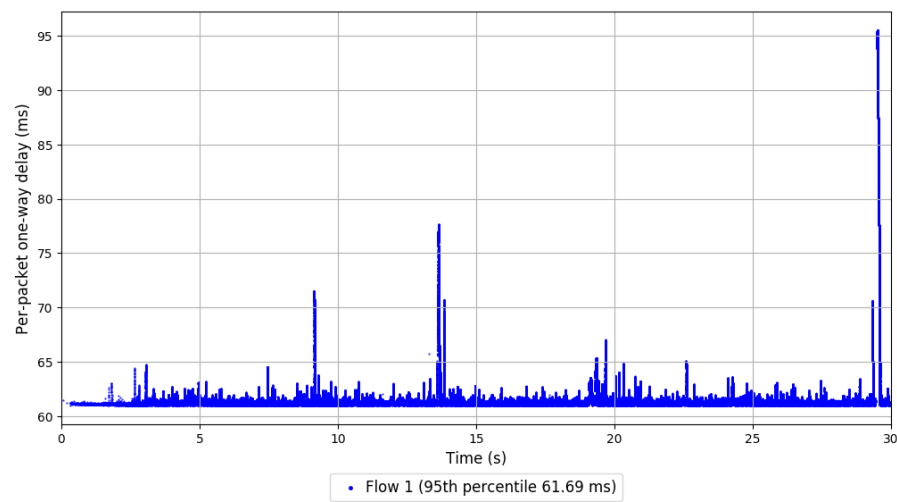
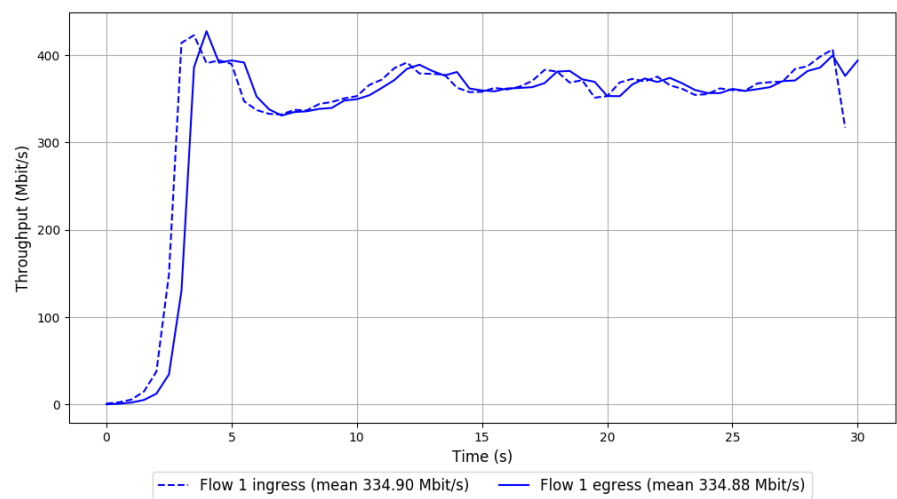


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-25 11:16:48
End at: 2018-07-25 11:17:18
Local clock offset: 0.17 ms
Remote clock offset: -0.161 ms

Below is generated by plot.py at 2018-07-25 14:17:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 334.88 Mbit/s
95th percentile per-packet one-way delay: 61.692 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 334.88 Mbit/s
95th percentile per-packet one-way delay: 61.692 ms
Loss rate: 0.01%

Run 7: Report of PCC-Vivace — Data Link

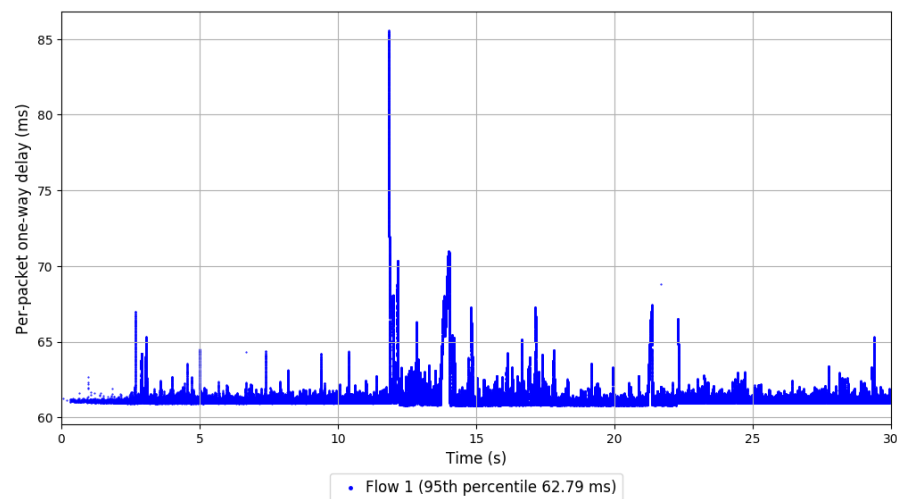
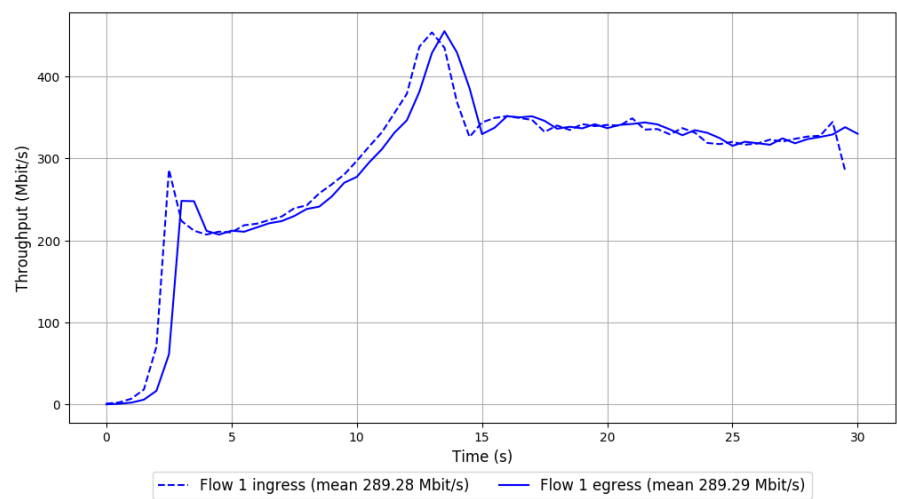


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-25 11:38:16
End at: 2018-07-25 11:38:47
Local clock offset: 0.159 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2018-07-25 14:17:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 289.29 Mbit/s
95th percentile per-packet one-way delay: 62.793 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 289.29 Mbit/s
95th percentile per-packet one-way delay: 62.793 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-25 11:59:53

End at: 2018-07-25 12:00:23

Local clock offset: -0.086 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-07-25 14:17:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 305.15 Mbit/s

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

Loss rate: 0.00%

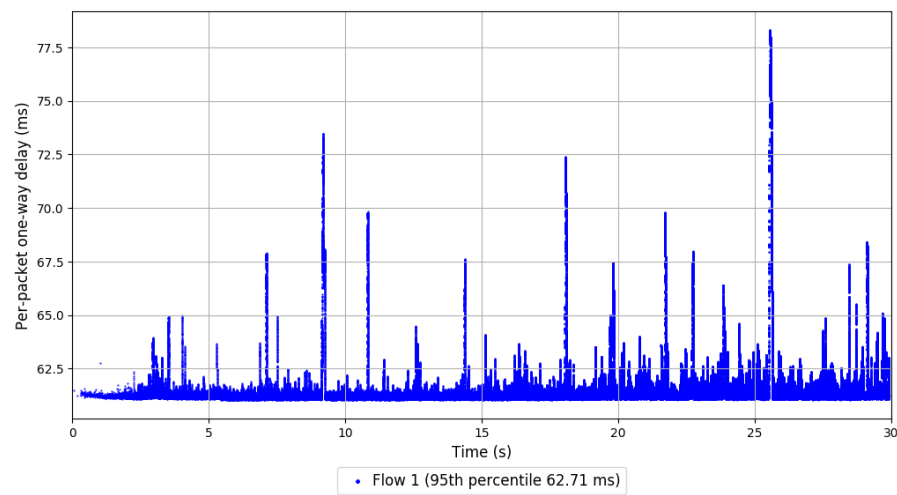
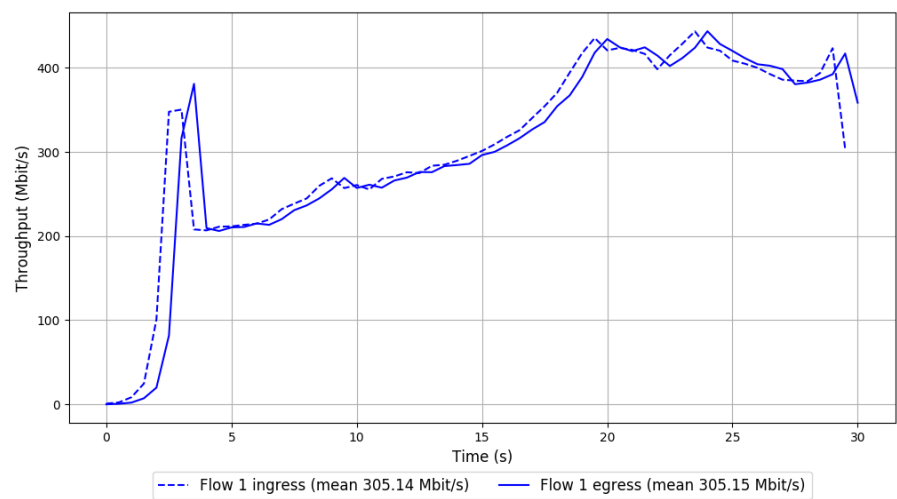
-- Flow 1:

Average throughput: 305.15 Mbit/s

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

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-25 12:21:34

End at: 2018-07-25 12:22:04

Local clock offset: -0.146 ms

Remote clock offset: 0.346 ms

Below is generated by plot.py at 2018-07-25 14:17:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 351.03 Mbit/s

95th percentile per-packet one-way delay: 62.134 ms

Loss rate: 0.00%

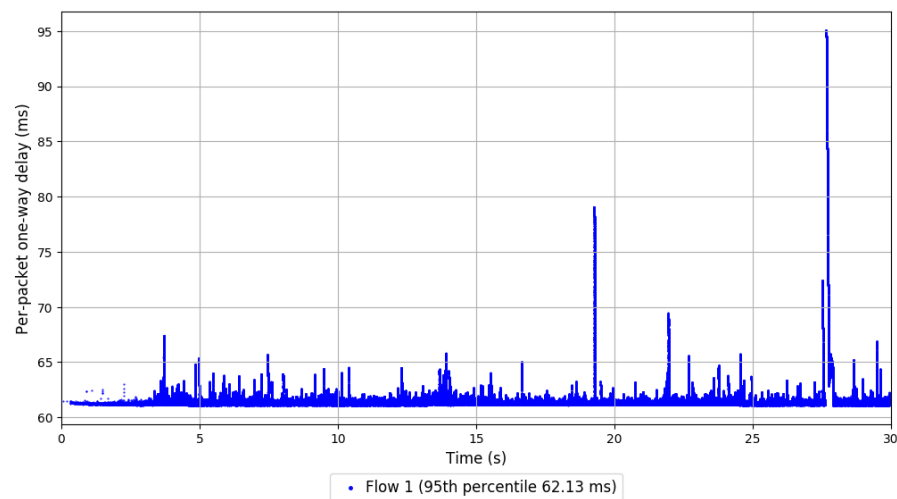
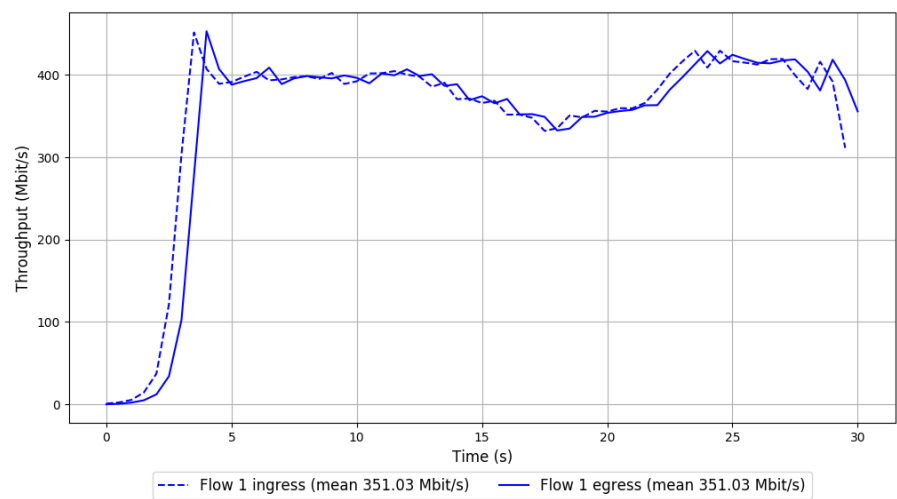
-- Flow 1:

Average throughput: 351.03 Mbit/s

95th percentile per-packet one-way delay: 62.134 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

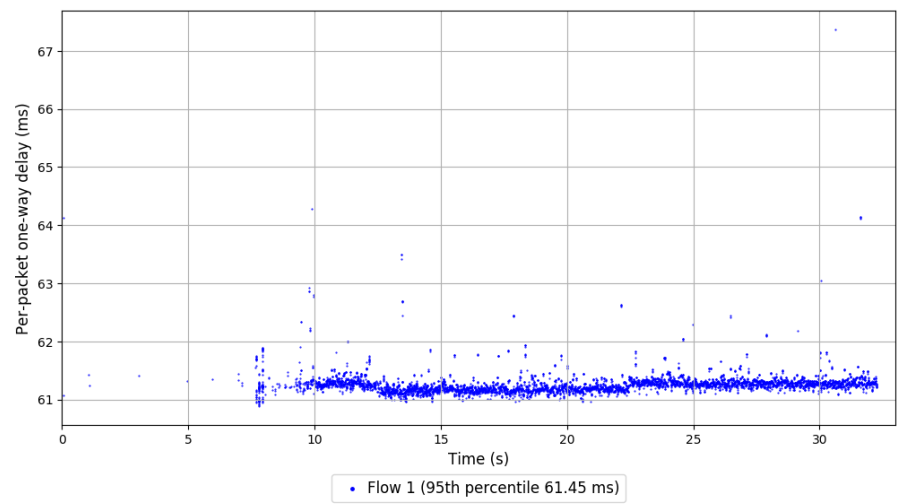
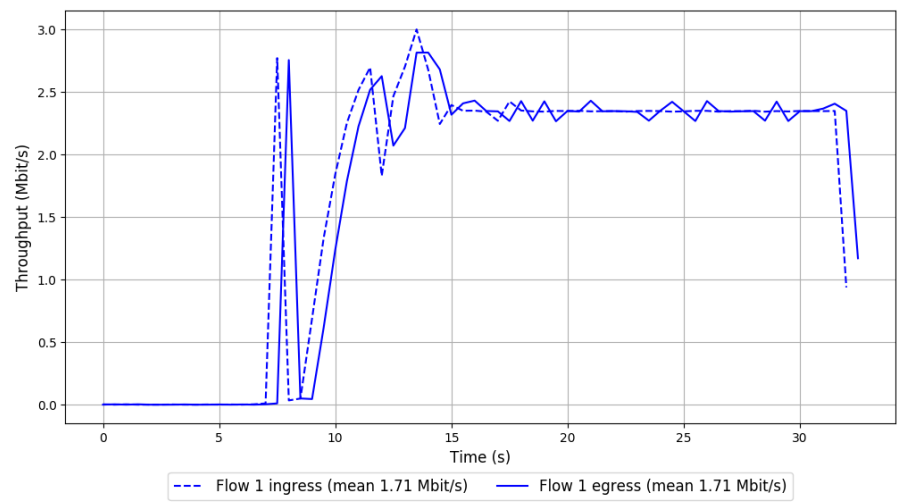


Run 1: Statistics of WebRTC media

Start at: 2018-07-25 09:16:19
End at: 2018-07-25 09:16:49
Local clock offset: -0.307 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-07-25 14:17:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.71 Mbit/s
95th percentile per-packet one-way delay: 61.447 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.71 Mbit/s
95th percentile per-packet one-way delay: 61.447 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-25 09:37:46

End at: 2018-07-25 09:38:16

Local clock offset: -0.252 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-07-25 14:17:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 61.574 ms

Loss rate: 0.00%

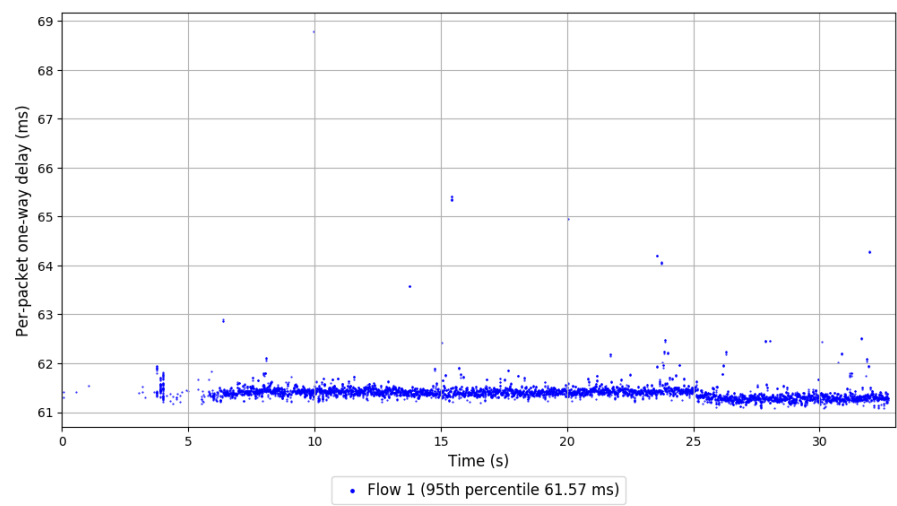
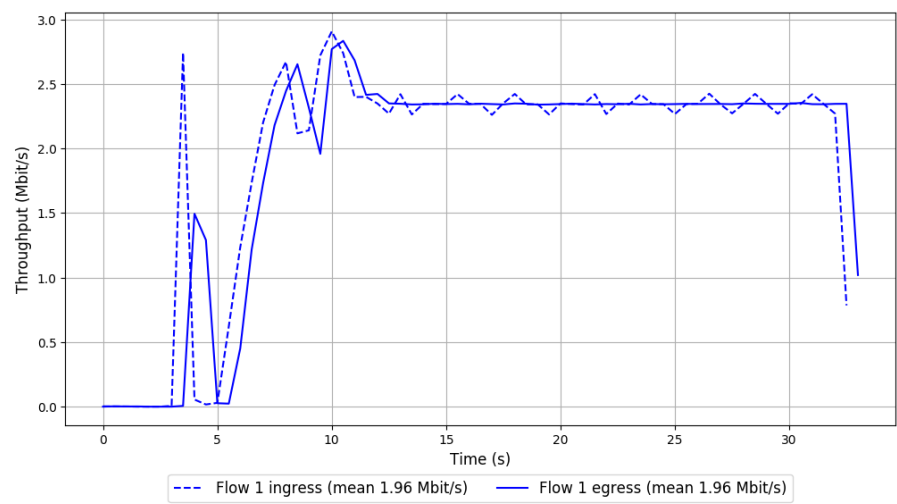
-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 61.574 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

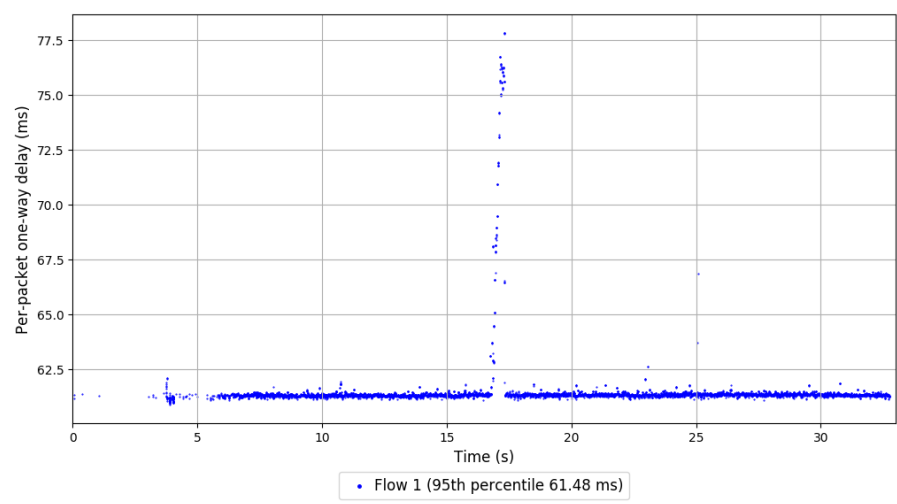
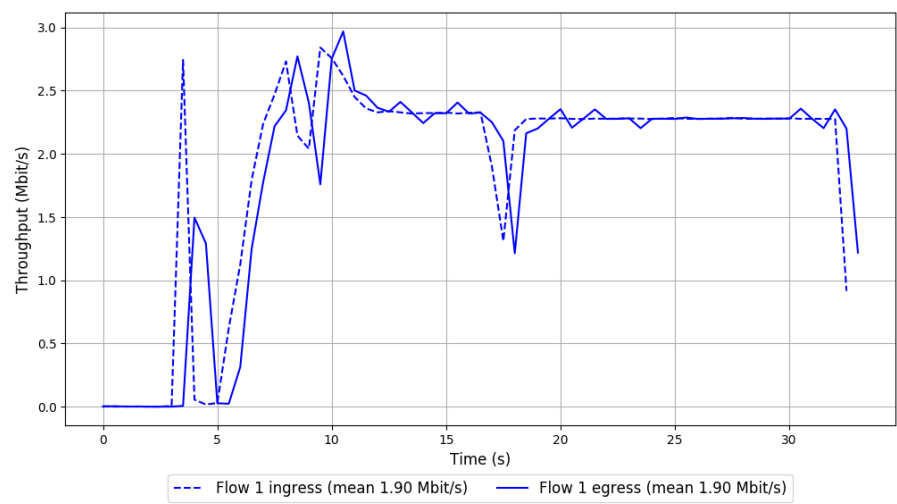


Run 3: Statistics of WebRTC media

Start at: 2018-07-25 09:59:36
End at: 2018-07-25 10:00:06
Local clock offset: -0.311 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-25 14:17:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 61.479 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 61.479 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-25 10:20:50

End at: 2018-07-25 10:21:20

Local clock offset: -0.017 ms

Remote clock offset: 0.102 ms

Below is generated by plot.py at 2018-07-25 14:17:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 61.590 ms

Loss rate: 0.00%

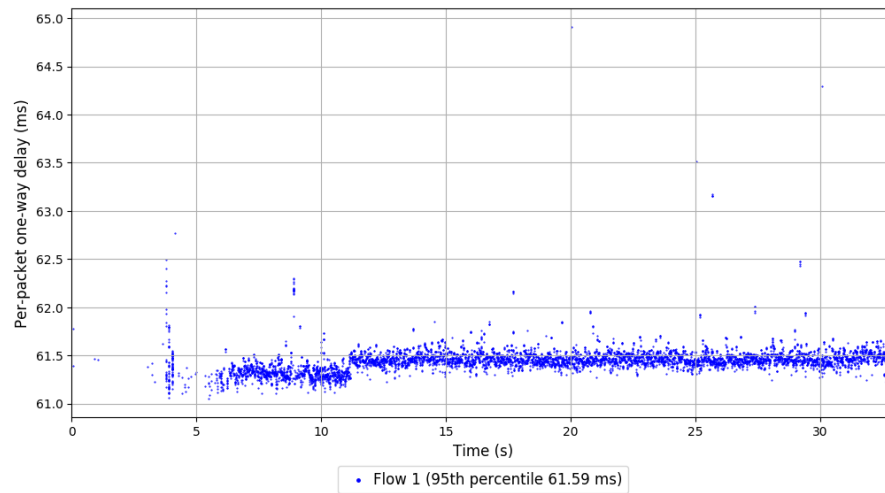
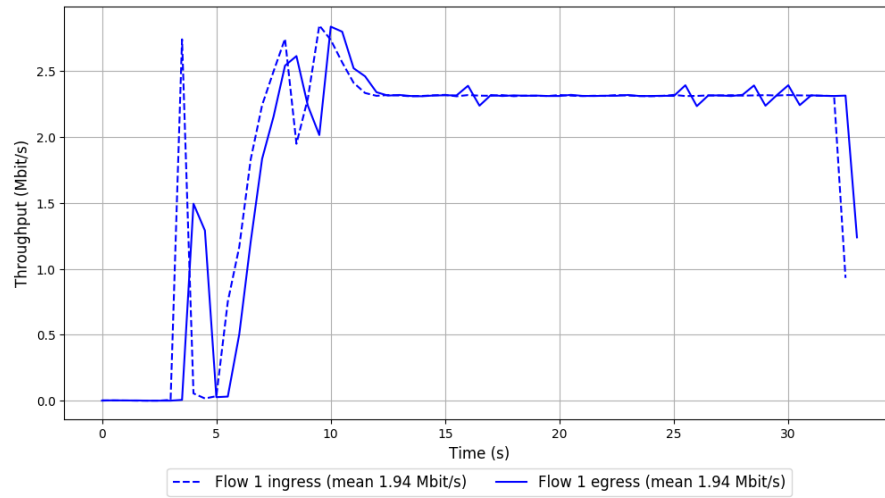
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 61.590 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-25 10:42:01

End at: 2018-07-25 10:42:31

Local clock offset: 0.053 ms

Remote clock offset: 0.22 ms

Below is generated by plot.py at 2018-07-25 14:17:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 61.655 ms

Loss rate: 0.00%

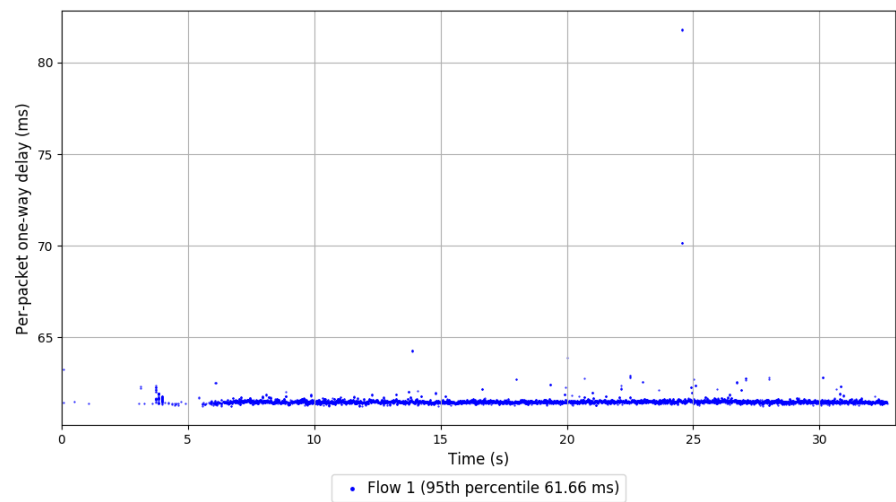
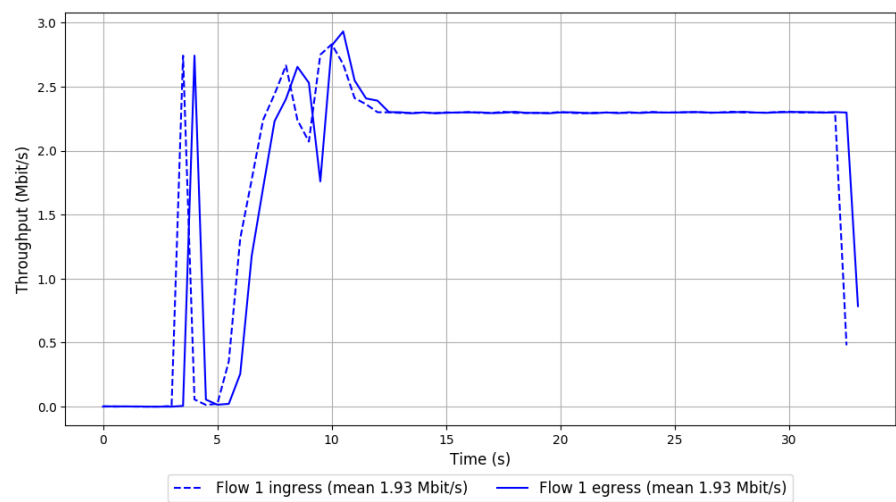
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 61.655 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

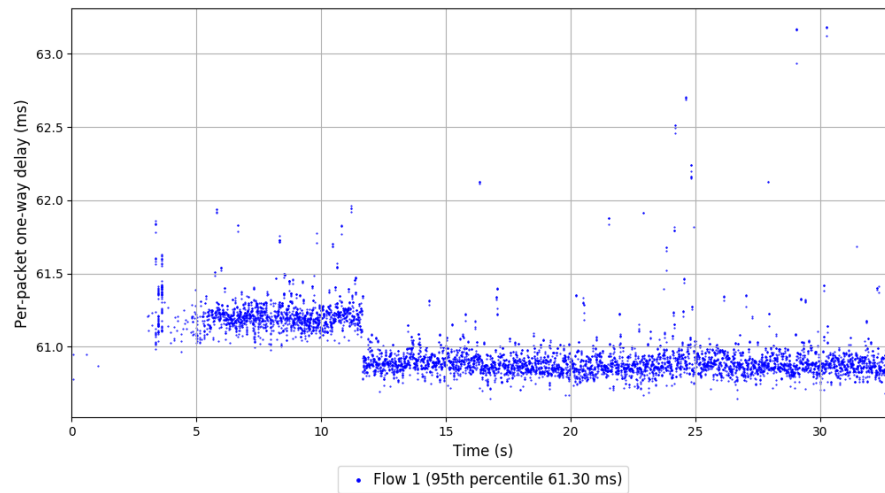
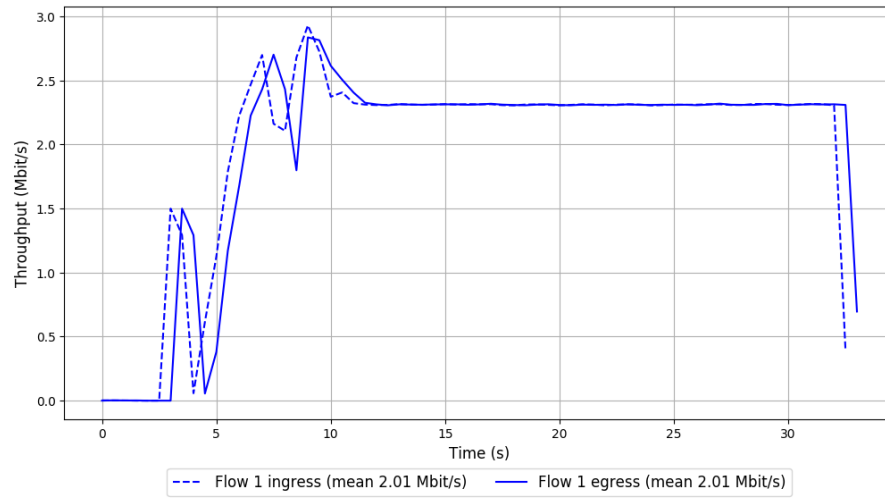


Run 6: Statistics of WebRTC media

Start at: 2018-07-25 11:03:50
End at: 2018-07-25 11:04:20
Local clock offset: 0.174 ms
Remote clock offset: -0.263 ms

Below is generated by plot.py at 2018-07-25 14:17:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 61.304 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 61.304 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-25 11:25:33

End at: 2018-07-25 11:26:03

Local clock offset: 0.153 ms

Remote clock offset: 0.314 ms

Below is generated by plot.py at 2018-07-25 14:17:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 61.805 ms

Loss rate: 0.00%

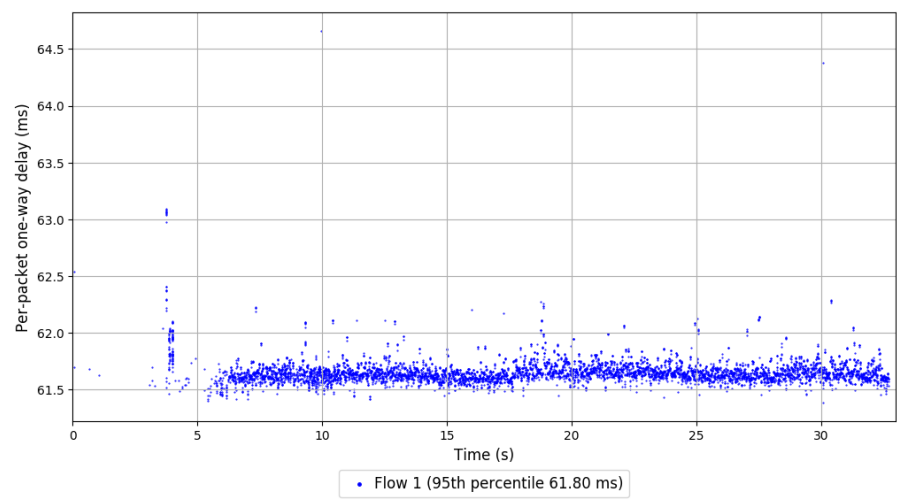
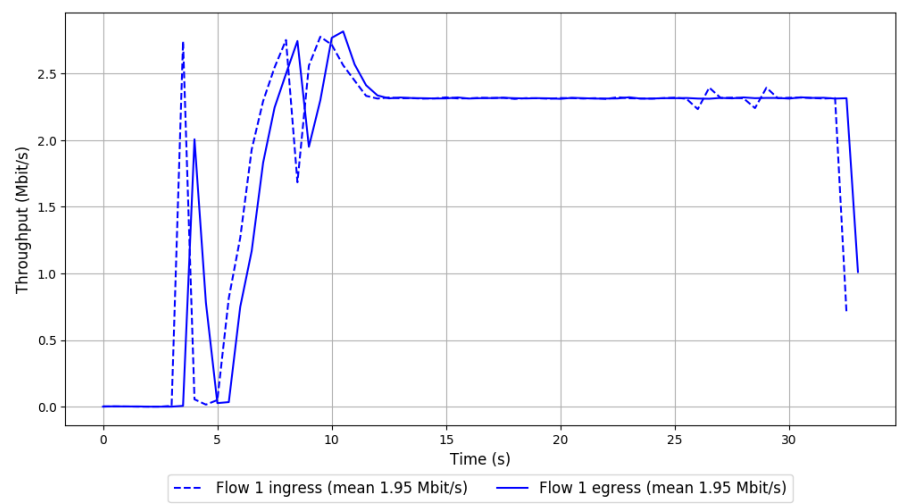
-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 61.805 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

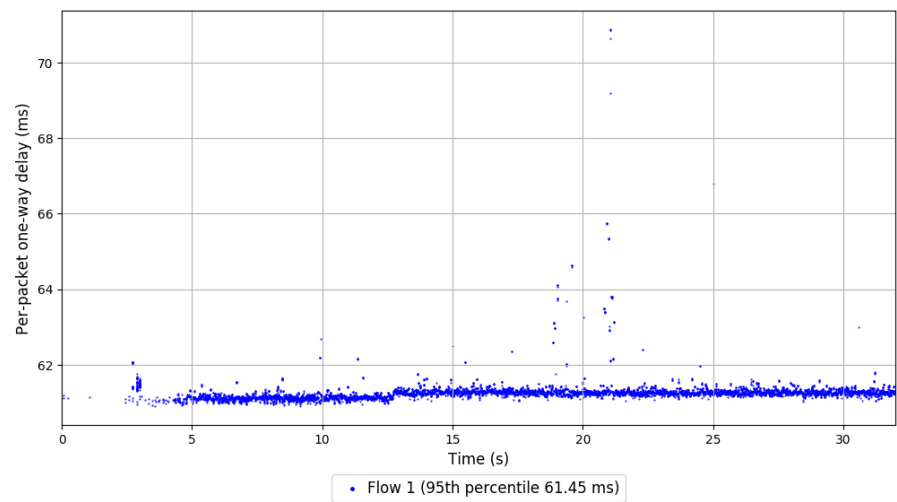
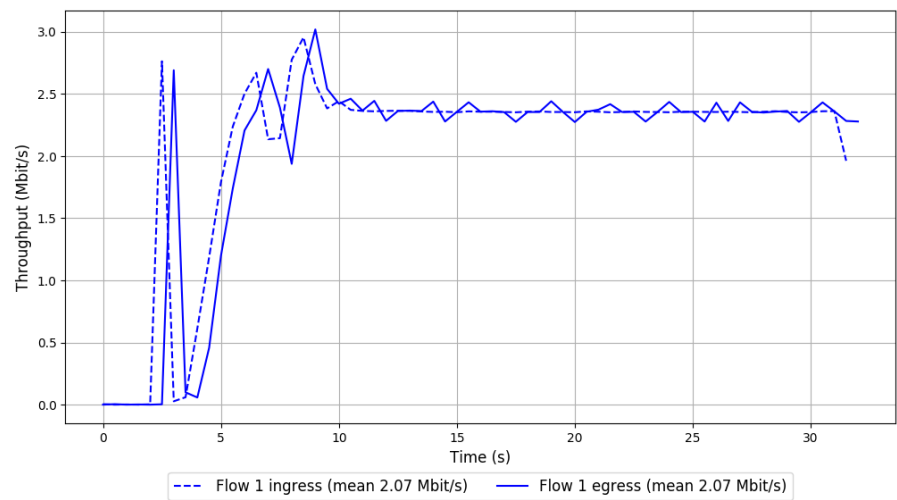


Run 8: Statistics of WebRTC media

Start at: 2018-07-25 11:46:58
End at: 2018-07-25 11:47:28
Local clock offset: 0.155 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-25 14:17:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 61.445 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 61.445 ms
Loss rate: 0.01%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-25 12:08:31

End at: 2018-07-25 12:09:01

Local clock offset: -0.126 ms

Remote clock offset: 0.298 ms

Below is generated by plot.py at 2018-07-25 14:17:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 61.822 ms

Loss rate: 0.00%

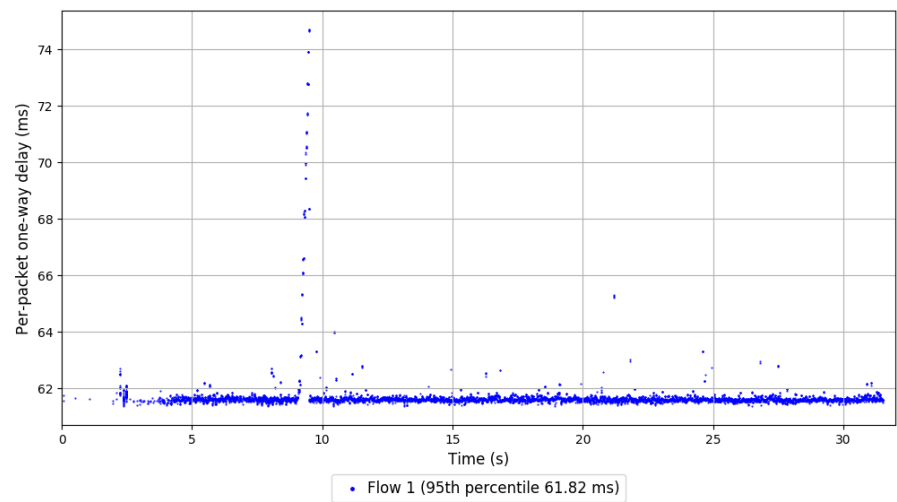
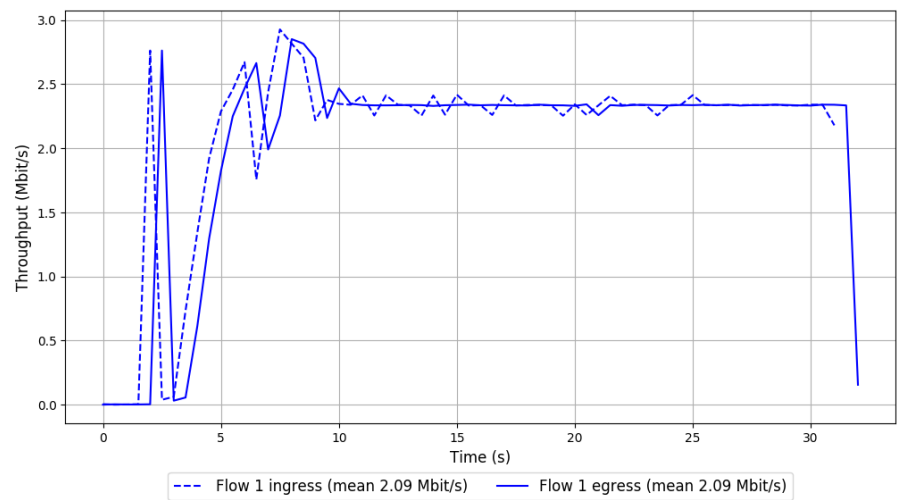
-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 61.822 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-25 12:30:17

End at: 2018-07-25 12:30:47

Local clock offset: -0.066 ms

Remote clock offset: 0.116 ms

Below is generated by plot.py at 2018-07-25 14:17:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 61.561 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 61.561 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

