

Pantheon Report

Generated at 2018-07-25 03:13:28 (UTC).

Data path: Brazil Ethernet (*remote*) → AWS Brazil 1 Ethernet (*local*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

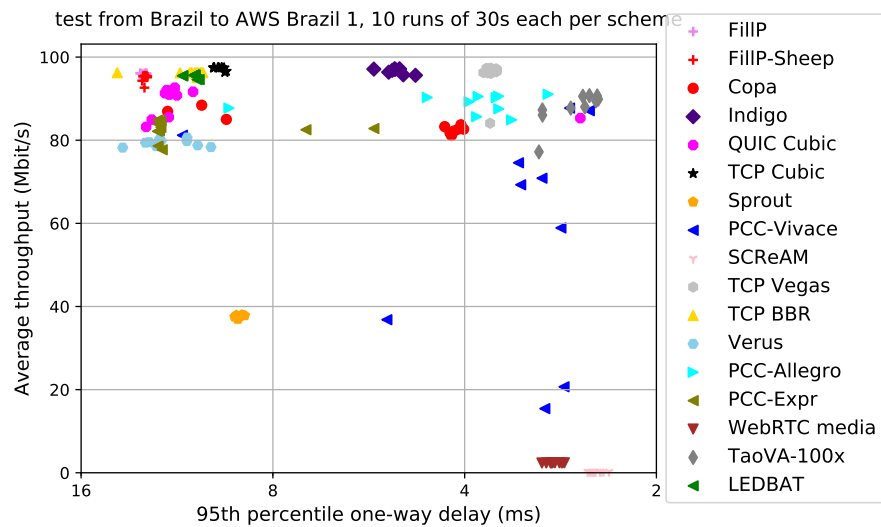
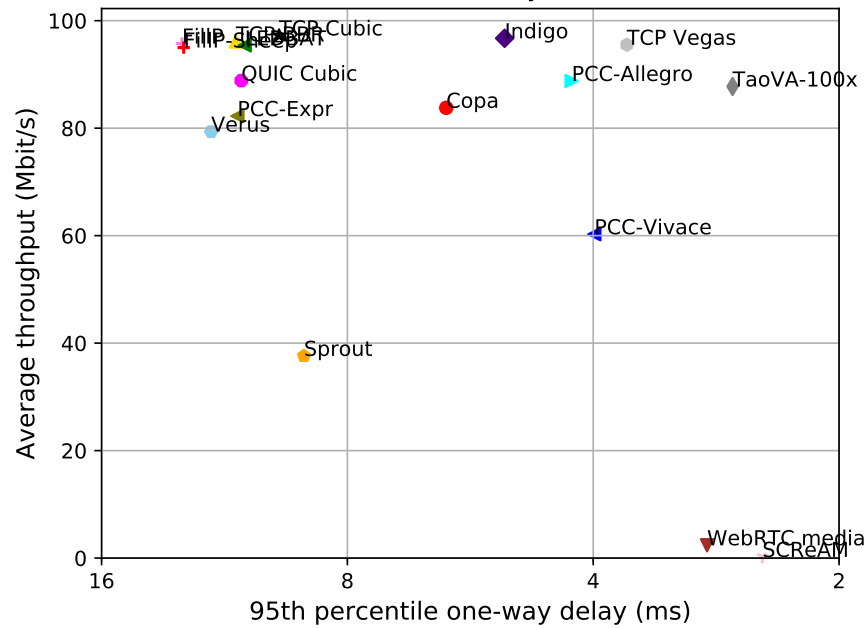
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `gps.ntp.br` 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 @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-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 Brazil to AWS Brazil 1, 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	96.13	10.96	0.19
Copa	10	83.79	6.05	0.02
TCP Cubic	10	97.26	9.70	0.06
FillP	10	95.74	12.75	0.04
FillP-Sheep	10	95.00	12.69	0.04
Indigo	10	96.72	5.14	0.02
LEDBAT	10	95.40	10.69	0.07
PCC-Allegro	10	88.78	4.25	0.02
PCC-Expr	10	82.25	10.91	0.06
QUIC Cubic	10	88.84	10.79	0.05
SCReAM	10	0.22	2.48	0.07
Sprout	10	37.62	9.04	0.01
TaoVA-100x	10	87.75	2.70	0.02
TCP Vegas	10	95.51	3.64	0.02
Verus	10	79.35	11.75	0.04
PCC-Vivace	10	60.26	3.99	0.02
WebRTC media	10	2.38	2.90	0.03

Run 1: Statistics of TCP BBR

Start at: 2018-07-24 23:37:06

End at: 2018-07-24 23:37:36

Local clock offset: -2.876 ms

Remote clock offset: -2.76 ms

Below is generated by plot.py at 2018-07-25 02:51:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 10.379 ms

Loss rate: 0.07%

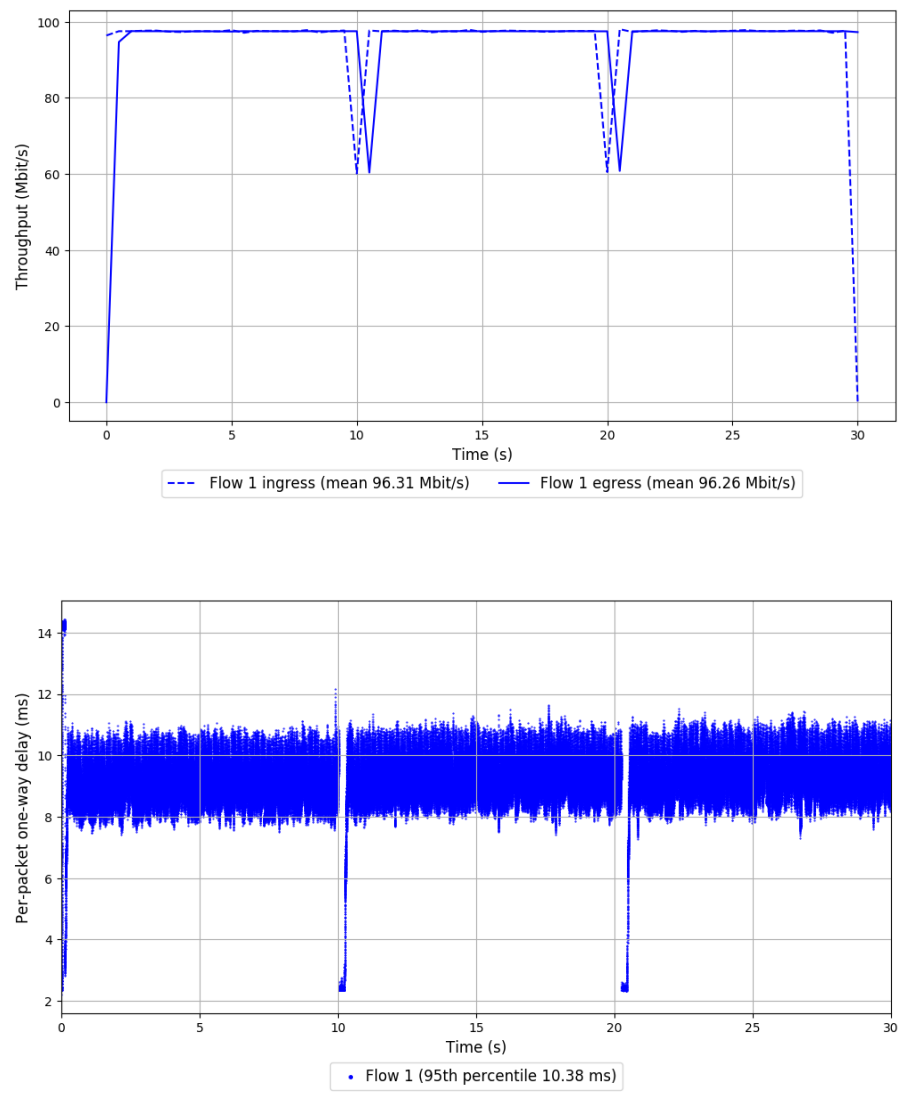
-- Flow 1:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 10.379 ms

Loss rate: 0.07%

Run 1: Report of TCP BBR — Data Link

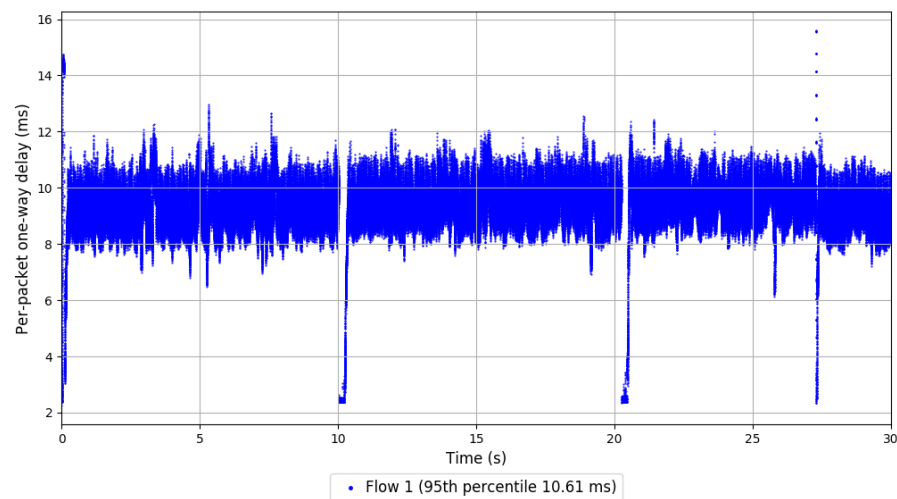
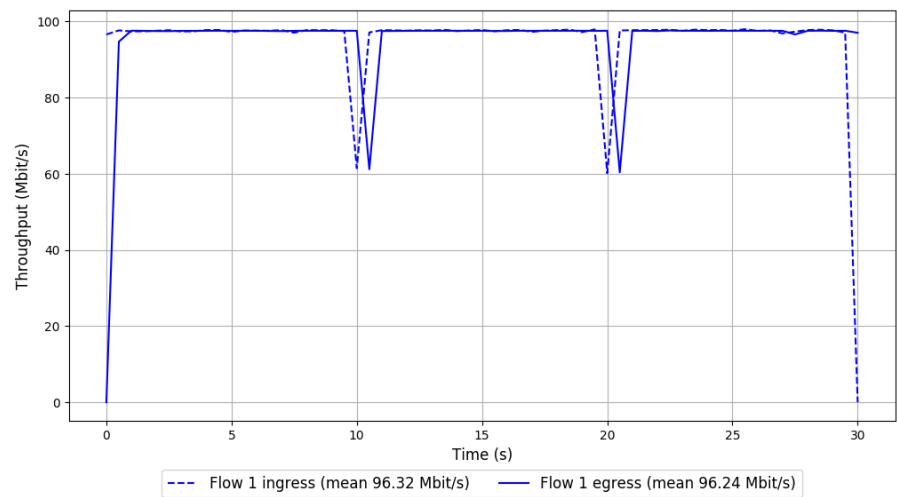


Run 2: Statistics of TCP BBR

Start at: 2018-07-24 23:56:07
End at: 2018-07-24 23:56:37
Local clock offset: -2.611 ms
Remote clock offset: -2.641 ms

Below is generated by plot.py at 2018-07-25 02:51:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 10.605 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 96.24 Mbit/s
95th percentile per-packet one-way delay: 10.605 ms
Loss rate: 0.11%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-25 00:15:09

End at: 2018-07-25 00:15:39

Local clock offset: -2.706 ms

Remote clock offset: -3.12 ms

Below is generated by plot.py at 2018-07-25 02:51:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.24 Mbit/s

95th percentile per-packet one-way delay: 10.804 ms

Loss rate: 0.11%

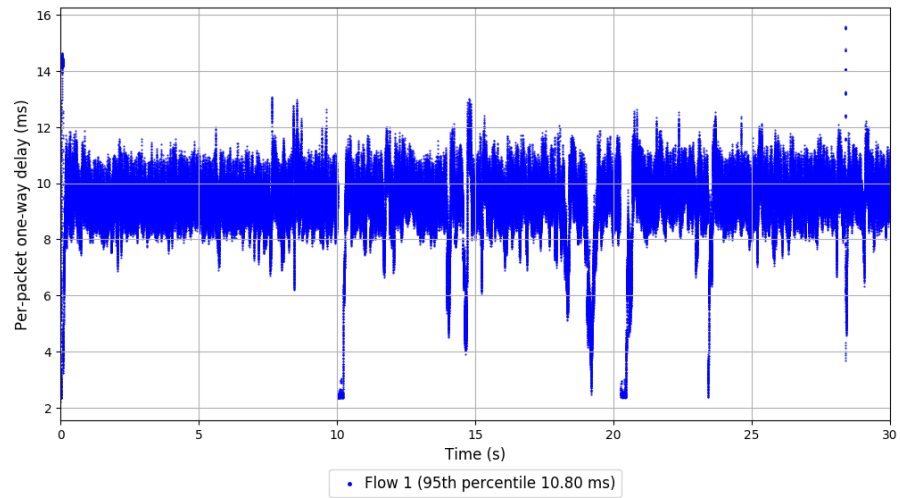
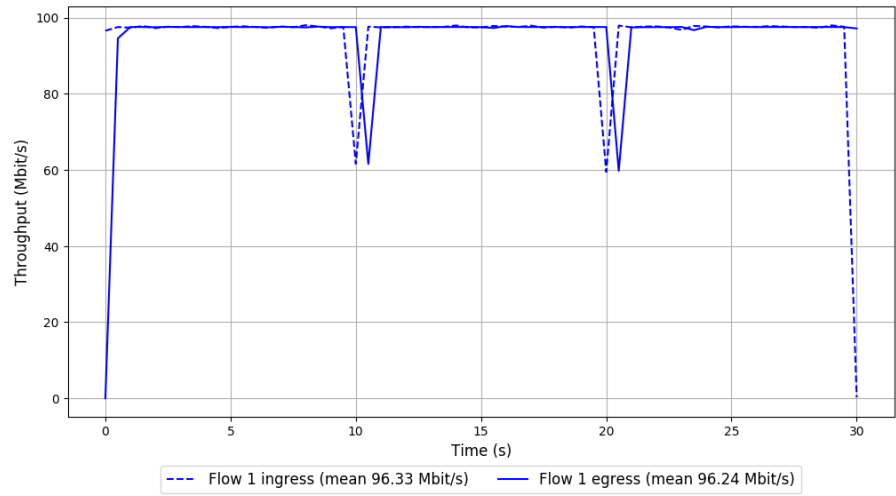
-- Flow 1:

Average throughput: 96.24 Mbit/s

95th percentile per-packet one-way delay: 10.804 ms

Loss rate: 0.11%

Run 3: Report of TCP BBR — Data Link

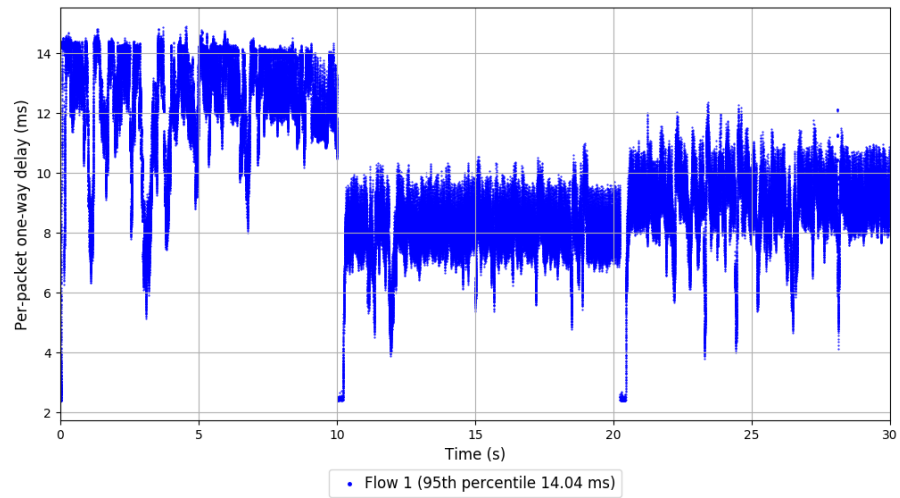
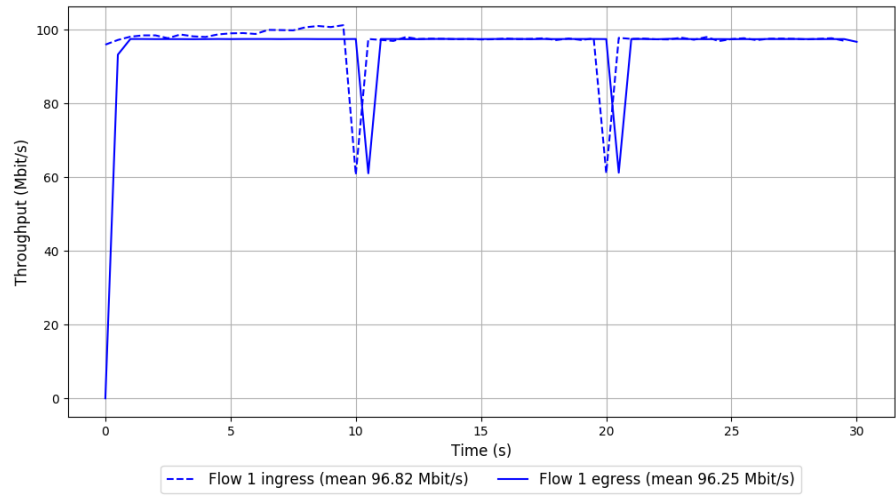


Run 4: Statistics of TCP BBR

Start at: 2018-07-25 00:34:06
End at: 2018-07-25 00:34:36
Local clock offset: -2.692 ms
Remote clock offset: -3.208 ms

Below is generated by plot.py at 2018-07-25 02:51:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 14.038 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 14.038 ms
Loss rate: 0.61%

Run 4: Report of TCP BBR — Data Link

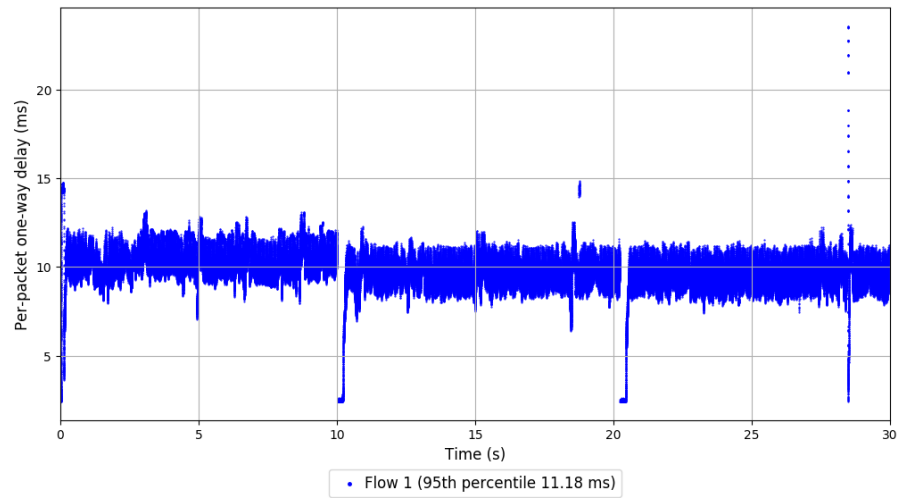
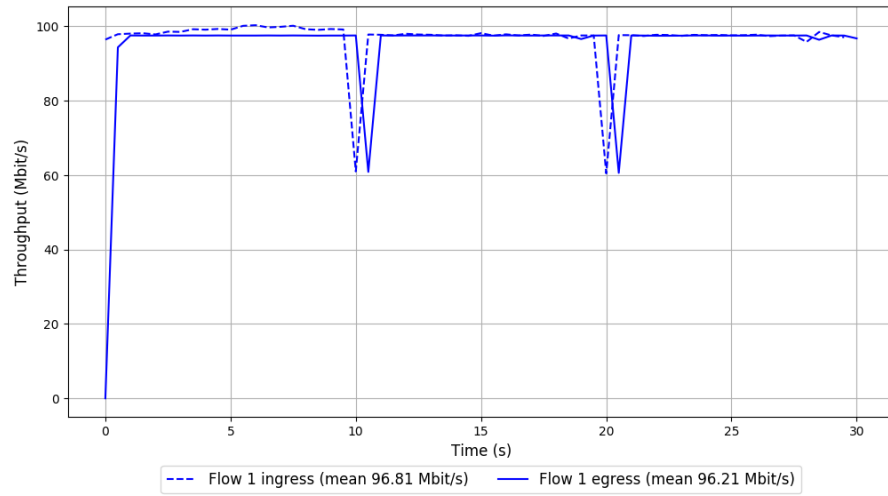


Run 5: Statistics of TCP BBR

Start at: 2018-07-25 00:53:08
End at: 2018-07-25 00:53:38
Local clock offset: -2.764 ms
Remote clock offset: -3.372 ms

Below is generated by plot.py at 2018-07-25 02:51:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.21 Mbit/s
95th percentile per-packet one-way delay: 11.184 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 96.21 Mbit/s
95th percentile per-packet one-way delay: 11.184 ms
Loss rate: 0.63%

Run 5: Report of TCP BBR — Data Link

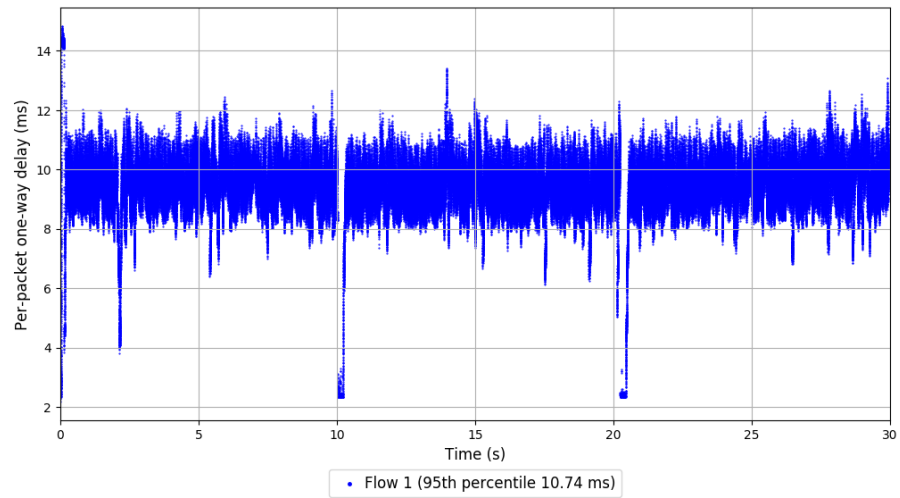
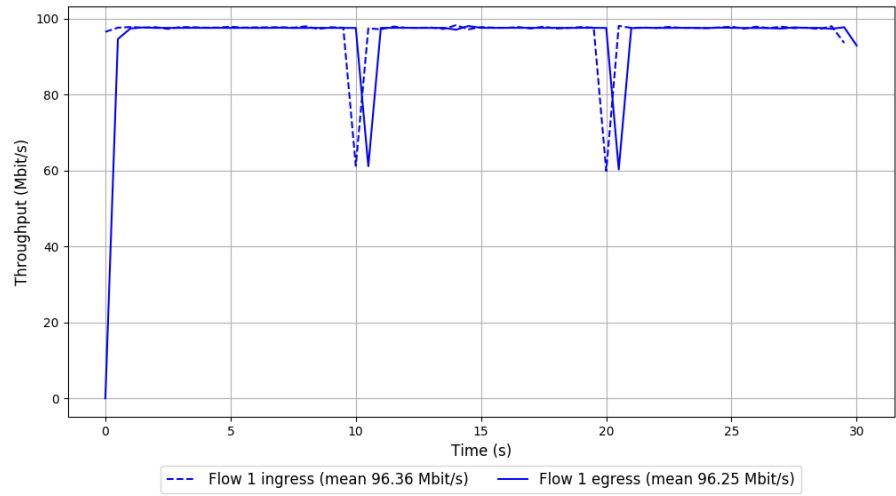


Run 6: Statistics of TCP BBR

Start at: 2018-07-25 01:12:08
End at: 2018-07-25 01:12:38
Local clock offset: -2.906 ms
Remote clock offset: -2.977 ms

Below is generated by plot.py at 2018-07-25 02:51:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 10.740 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 10.740 ms
Loss rate: 0.13%

Run 6: Report of TCP BBR — Data Link

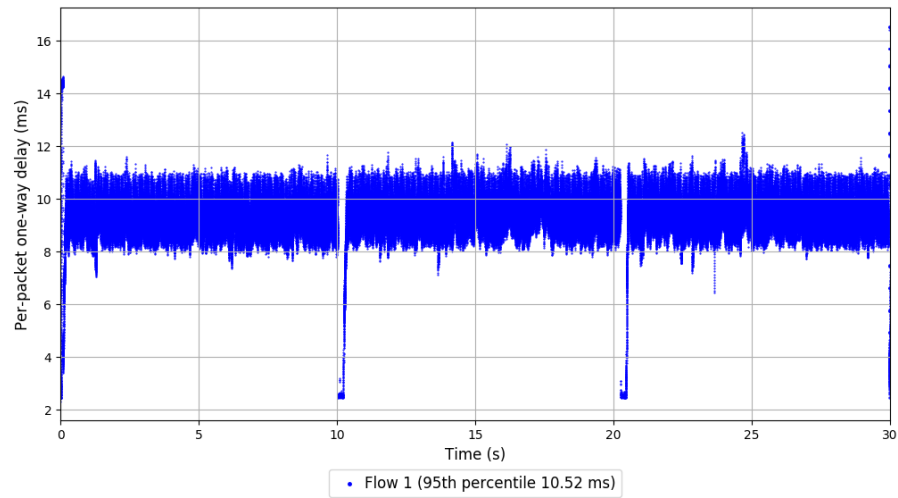
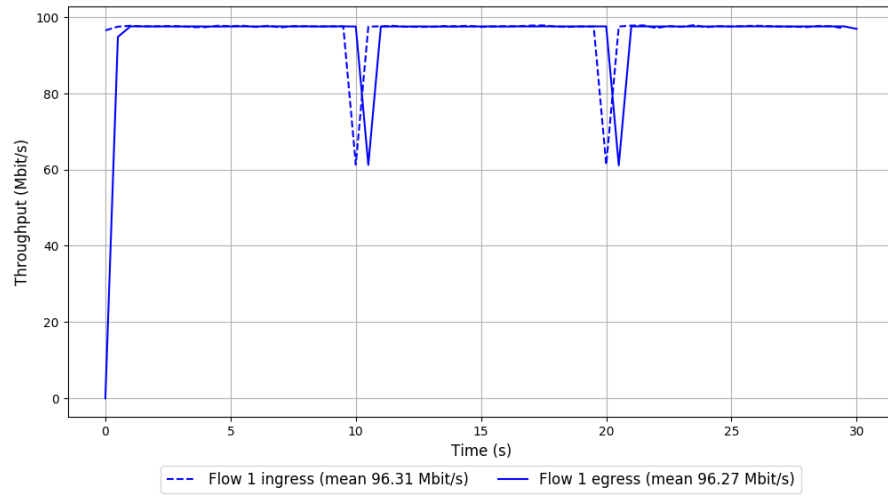


Run 7: Statistics of TCP BBR

Start at: 2018-07-25 01:31:07
End at: 2018-07-25 01:31:37
Local clock offset: -2.903 ms
Remote clock offset: -2.734 ms

Below is generated by plot.py at 2018-07-25 02:51:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 10.523 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 10.523 ms
Loss rate: 0.06%

Run 7: Report of TCP BBR — Data Link

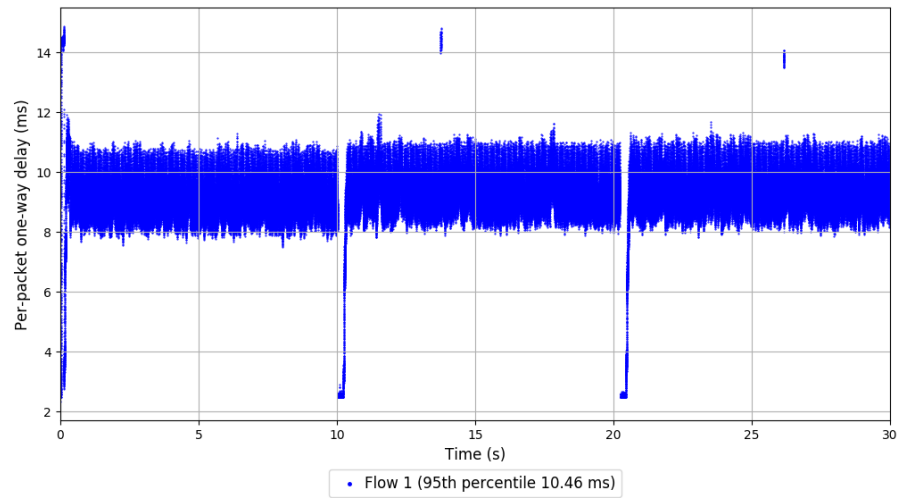
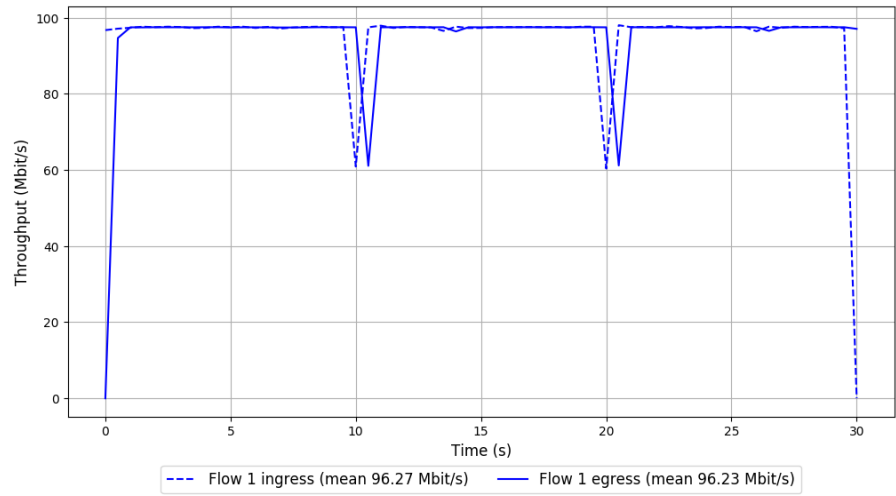


Run 8: Statistics of TCP BBR

Start at: 2018-07-25 01:50:10
End at: 2018-07-25 01:50:40
Local clock offset: -2.742 ms
Remote clock offset: -3.091 ms

Below is generated by plot.py at 2018-07-25 02:51:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 10.461 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 10.461 ms
Loss rate: 0.05%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-25 02:09:12

End at: 2018-07-25 02:09:42

Local clock offset: -2.257 ms

Remote clock offset: -3.18 ms

Below is generated by plot.py at 2018-07-25 02:52:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 10.306 ms

Loss rate: 0.05%

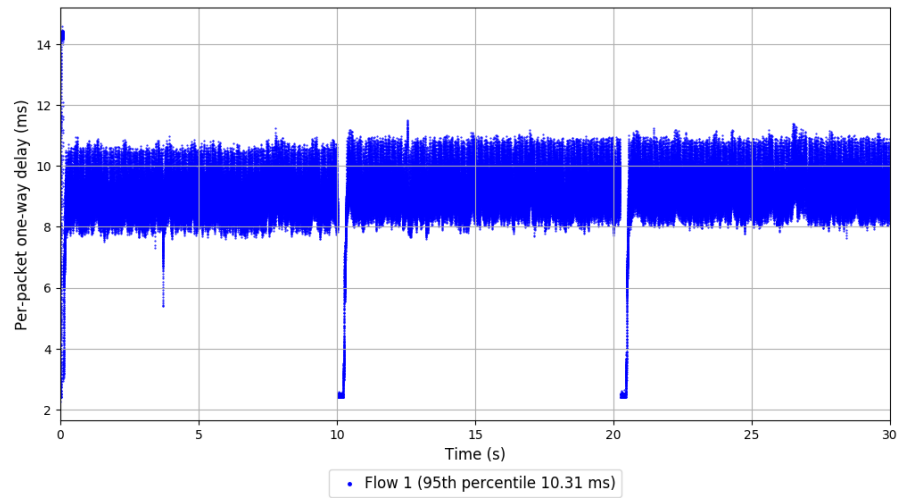
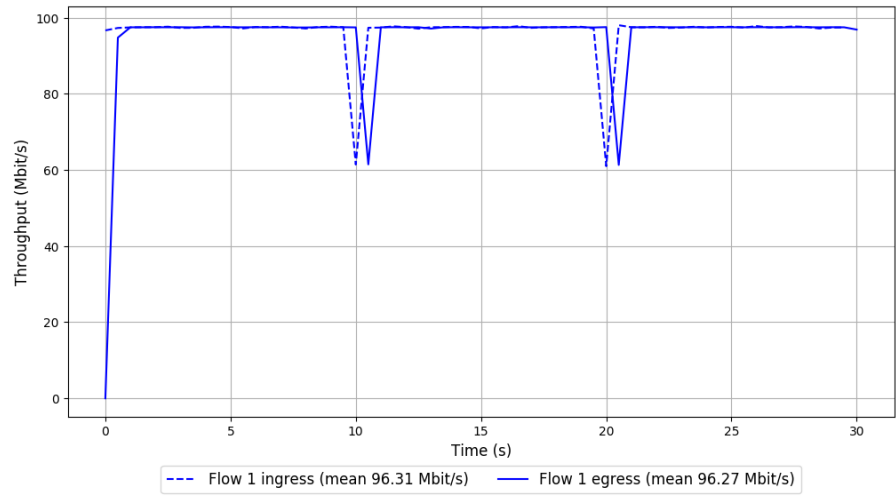
-- Flow 1:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 10.306 ms

Loss rate: 0.05%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-25 02:28:14

End at: 2018-07-25 02:28:44

Local clock offset: -1.869 ms

Remote clock offset: -2.113 ms

Below is generated by plot.py at 2018-07-25 02:52:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.07 Mbit/s

95th percentile per-packet one-way delay: 10.517 ms

Loss rate: 0.06%

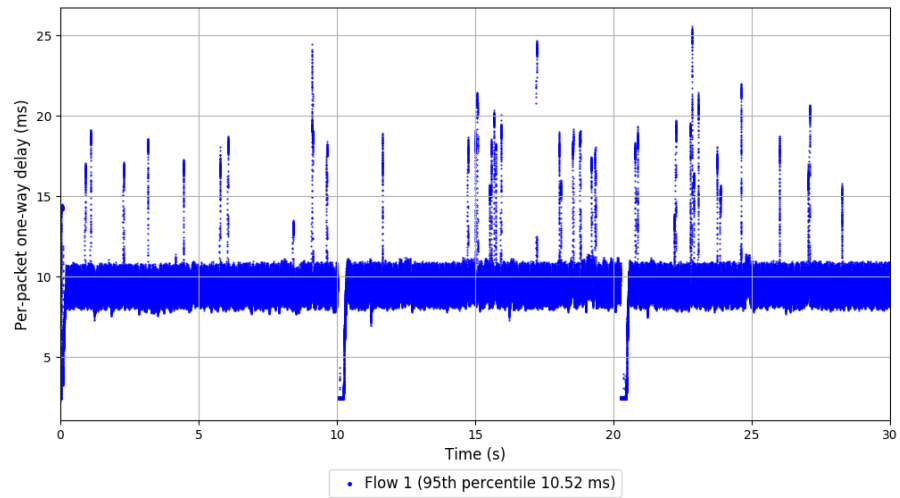
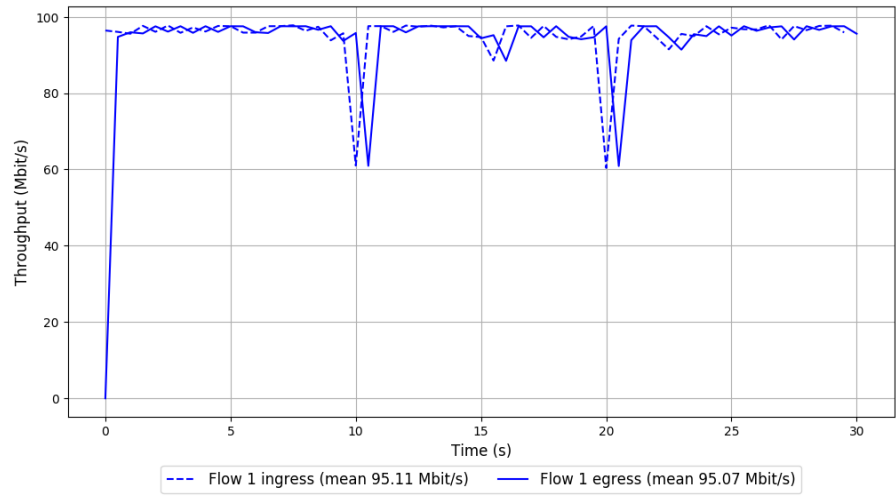
-- Flow 1:

Average throughput: 95.07 Mbit/s

95th percentile per-packet one-way delay: 10.517 ms

Loss rate: 0.06%

Run 10: Report of TCP BBR — Data Link

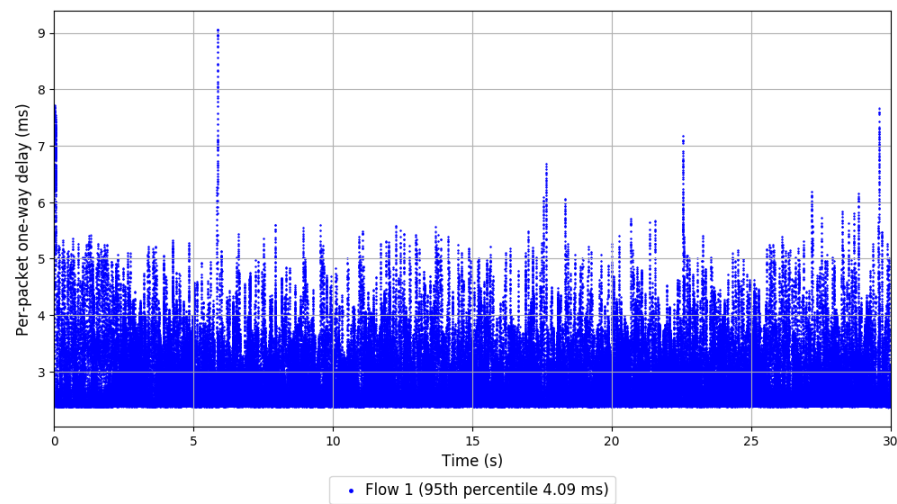
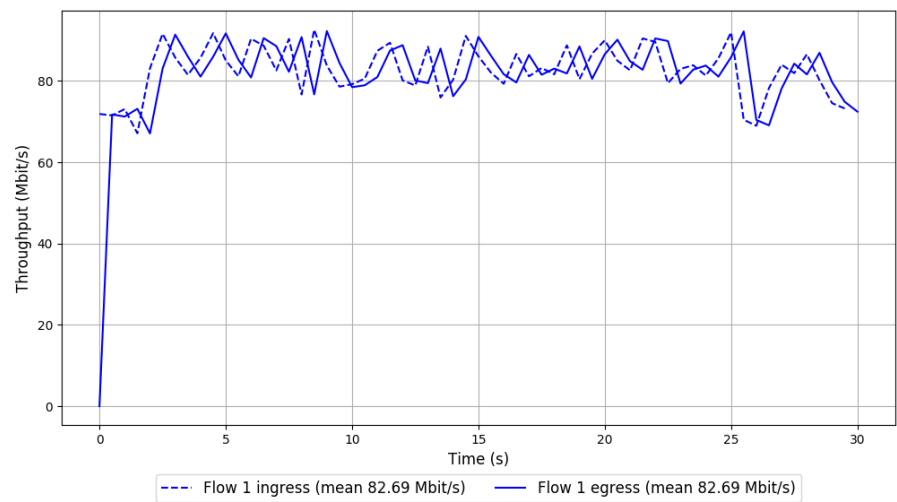


Run 1: Statistics of Copa

Start at: 2018-07-24 23:50:35
End at: 2018-07-24 23:51:05
Local clock offset: -2.679 ms
Remote clock offset: -2.734 ms

Below is generated by plot.py at 2018-07-25 02:52:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.69 Mbit/s
95th percentile per-packet one-way delay: 4.091 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 82.69 Mbit/s
95th percentile per-packet one-way delay: 4.091 ms
Loss rate: 0.02%

Run 1: Report of Copa — Data Link

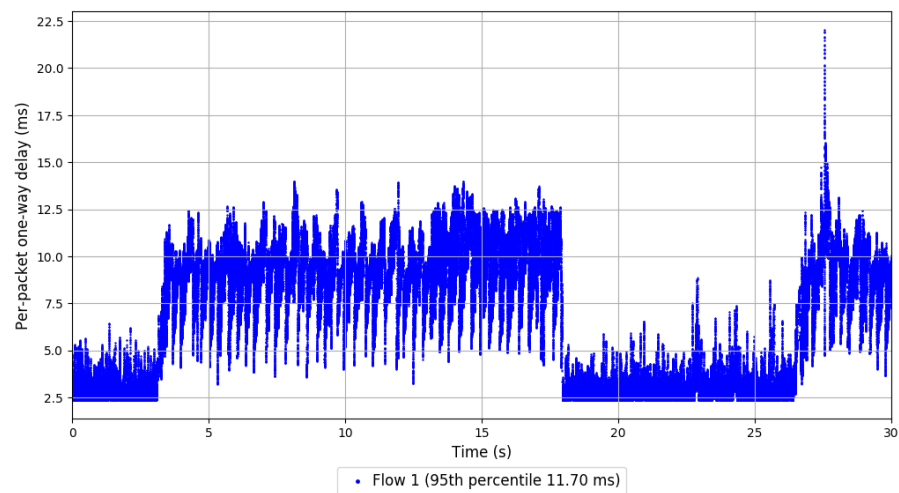
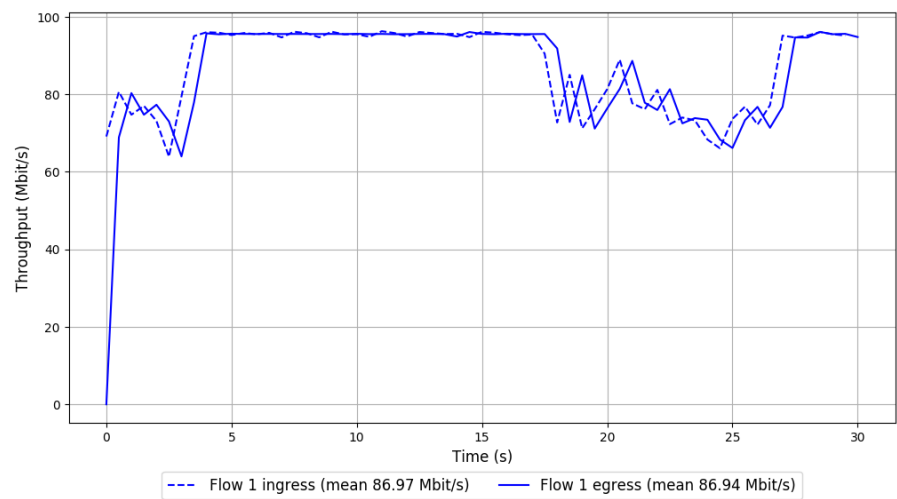


Run 2: Statistics of Copa

Start at: 2018-07-25 00:09:37
End at: 2018-07-25 00:10:07
Local clock offset: -2.622 ms
Remote clock offset: -2.995 ms

Below is generated by plot.py at 2018-07-25 02:53:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.94 Mbit/s
95th percentile per-packet one-way delay: 11.703 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 86.94 Mbit/s
95th percentile per-packet one-way delay: 11.703 ms
Loss rate: 0.04%

Run 2: Report of Copa — Data Link

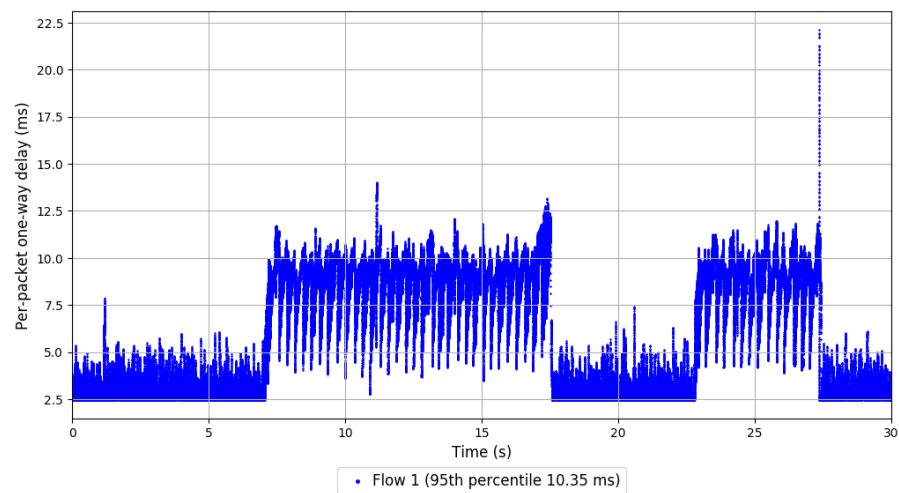
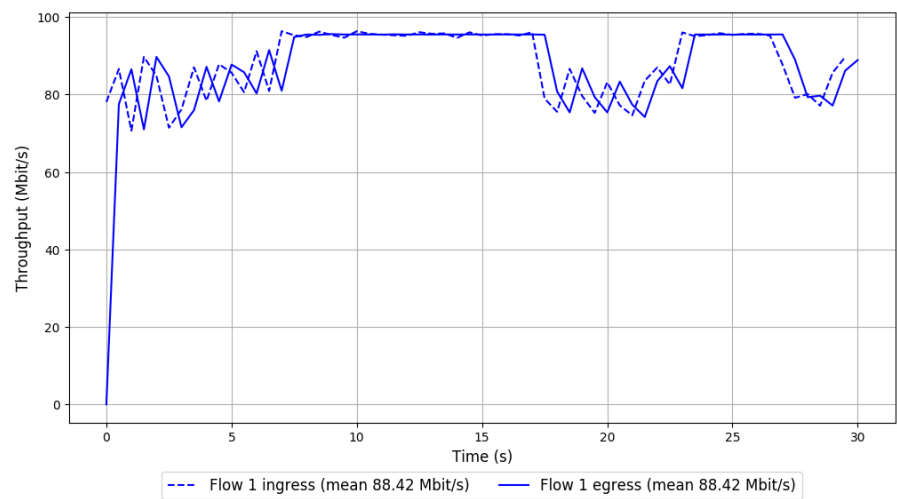


Run 3: Statistics of Copa

Start at: 2018-07-25 00:28:34
End at: 2018-07-25 00:29:04
Local clock offset: -2.657 ms
Remote clock offset: -3.202 ms

Below is generated by plot.py at 2018-07-25 02:53:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.42 Mbit/s
95th percentile per-packet one-way delay: 10.347 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 88.42 Mbit/s
95th percentile per-packet one-way delay: 10.347 ms
Loss rate: 0.02%

Run 3: Report of Copa — Data Link

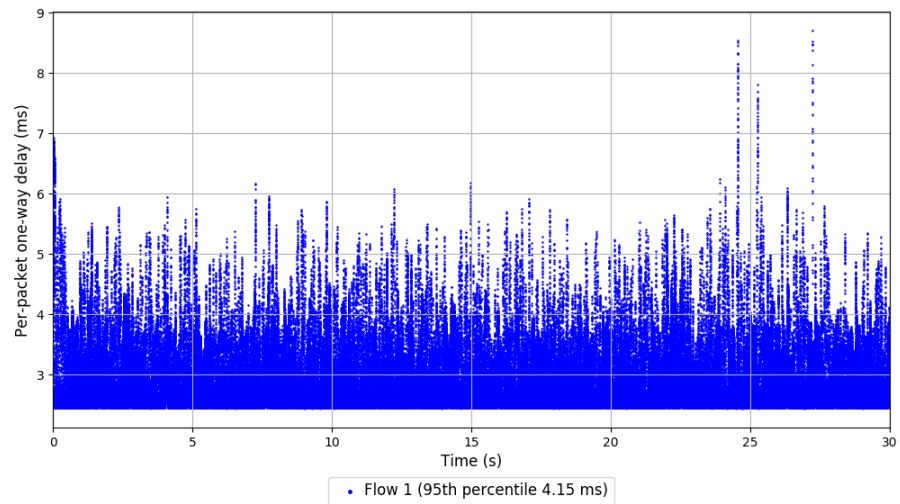
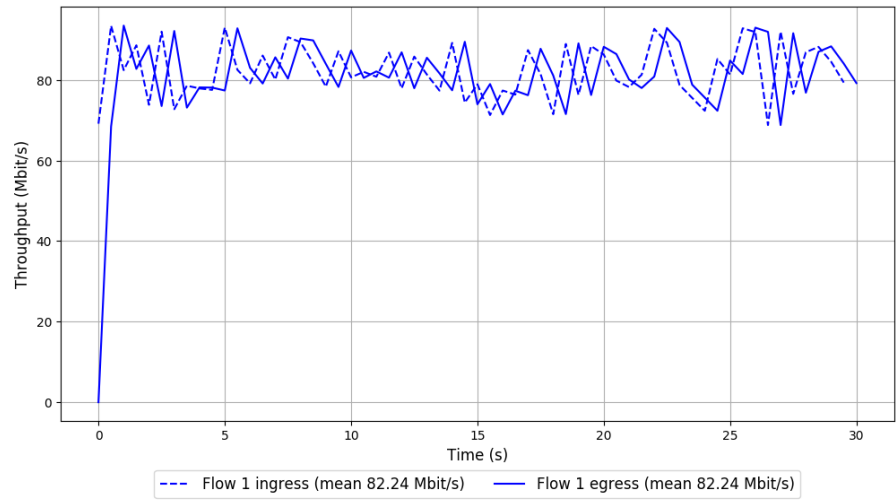


Run 4: Statistics of Copa

Start at: 2018-07-25 00:47:36
End at: 2018-07-25 00:48:06
Local clock offset: -2.747 ms
Remote clock offset: -3.377 ms

Below is generated by plot.py at 2018-07-25 02:53:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.24 Mbit/s
95th percentile per-packet one-way delay: 4.153 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 82.24 Mbit/s
95th percentile per-packet one-way delay: 4.153 ms
Loss rate: 0.02%

Run 4: Report of Copa — Data Link

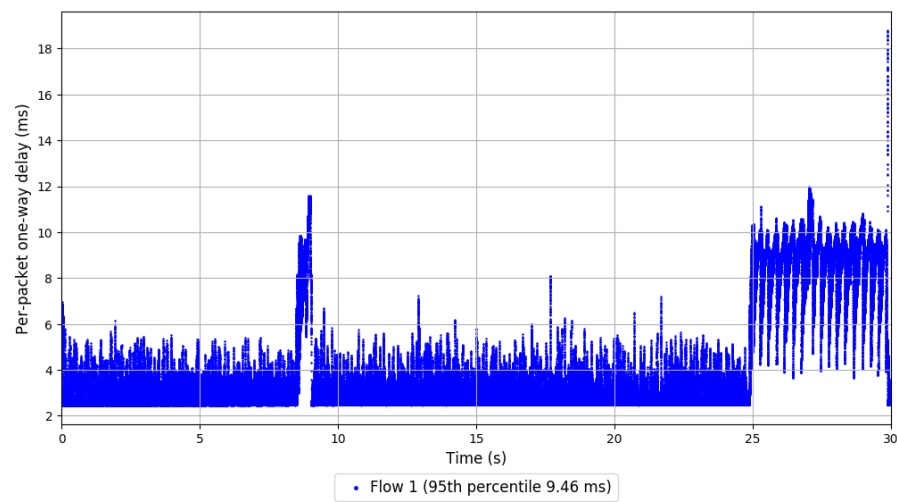
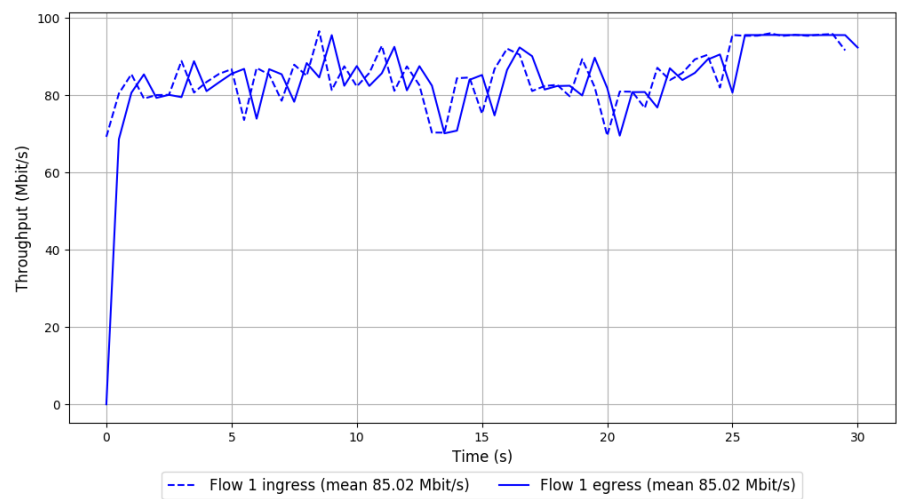


Run 5: Statistics of Copa

Start at: 2018-07-25 01:06:36
End at: 2018-07-25 01:07:06
Local clock offset: -2.812 ms
Remote clock offset: -3.266 ms

Below is generated by plot.py at 2018-07-25 02:53:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.02 Mbit/s
95th percentile per-packet one-way delay: 9.465 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 85.02 Mbit/s
95th percentile per-packet one-way delay: 9.465 ms
Loss rate: 0.02%

Run 5: Report of Copa — Data Link

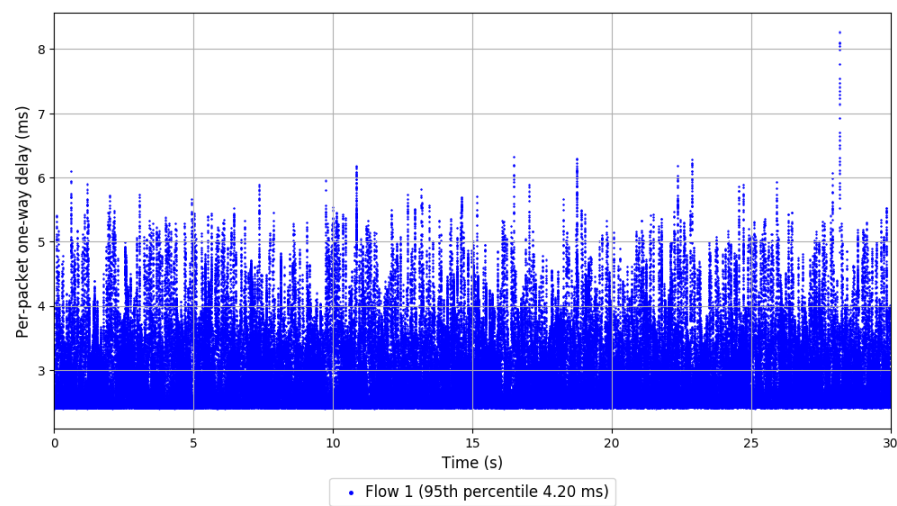
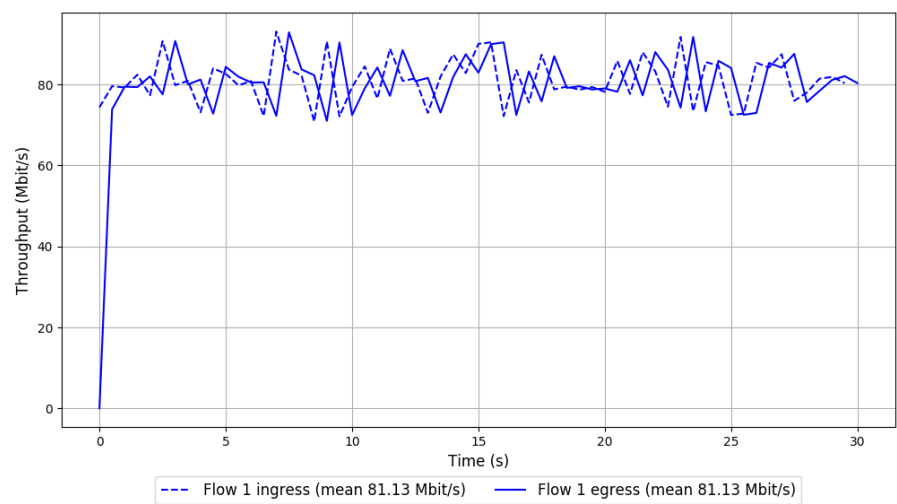


Run 6: Statistics of Copa

Start at: 2018-07-25 01:25:36
End at: 2018-07-25 01:26:06
Local clock offset: -2.898 ms
Remote clock offset: -2.766 ms

Below is generated by plot.py at 2018-07-25 02:53:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.13 Mbit/s
95th percentile per-packet one-way delay: 4.195 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 81.13 Mbit/s
95th percentile per-packet one-way delay: 4.195 ms
Loss rate: 0.01%

Run 6: Report of Copa — Data Link

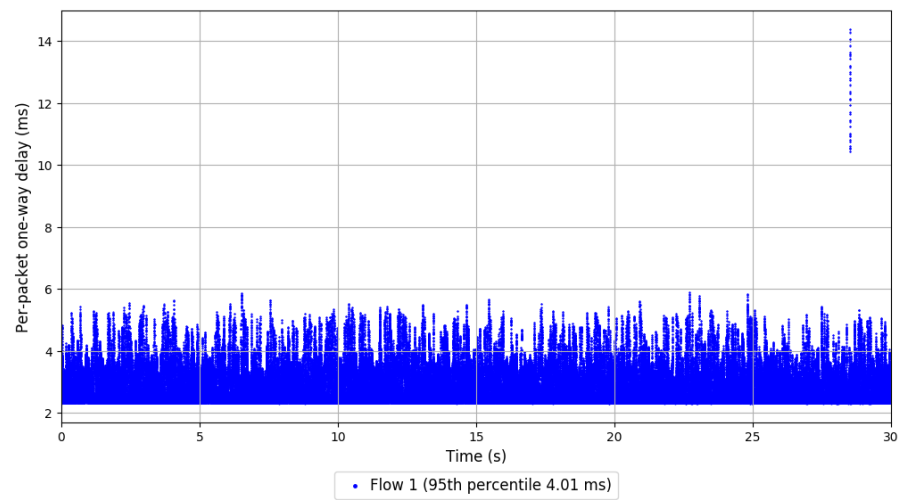
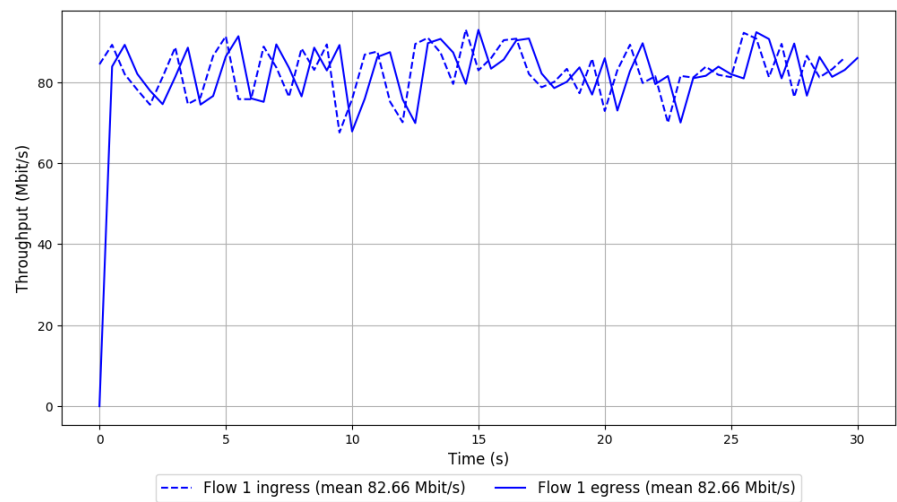


Run 7: Statistics of Copa

Start at: 2018-07-25 01:44:38
End at: 2018-07-25 01:45:08
Local clock offset: -2.848 ms
Remote clock offset: -2.905 ms

Below is generated by plot.py at 2018-07-25 02:54:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.66 Mbit/s
95th percentile per-packet one-way delay: 4.014 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 82.66 Mbit/s
95th percentile per-packet one-way delay: 4.014 ms
Loss rate: 0.02%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-25 02:03:40

End at: 2018-07-25 02:04:10

Local clock offset: -2.581 ms

Remote clock offset: -3.15 ms

Below is generated by plot.py at 2018-07-25 02:54:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.72 Mbit/s

95th percentile per-packet one-way delay: 4.054 ms

Loss rate: 0.03%

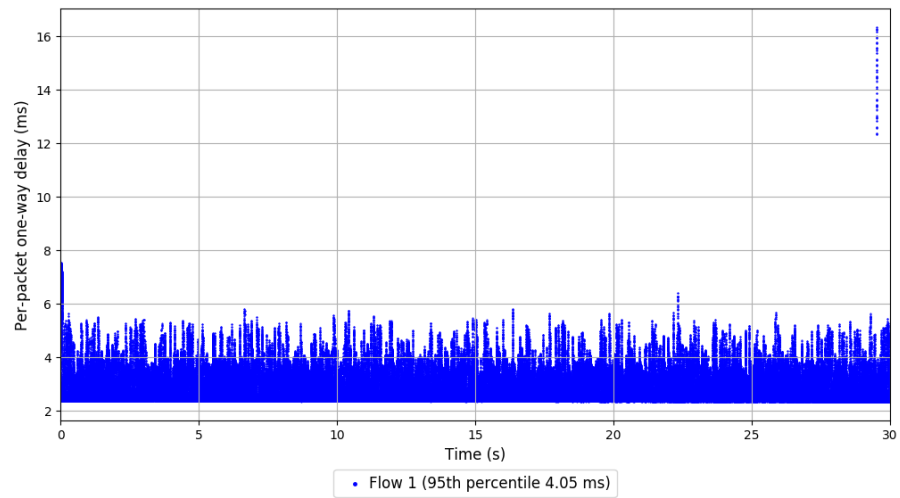
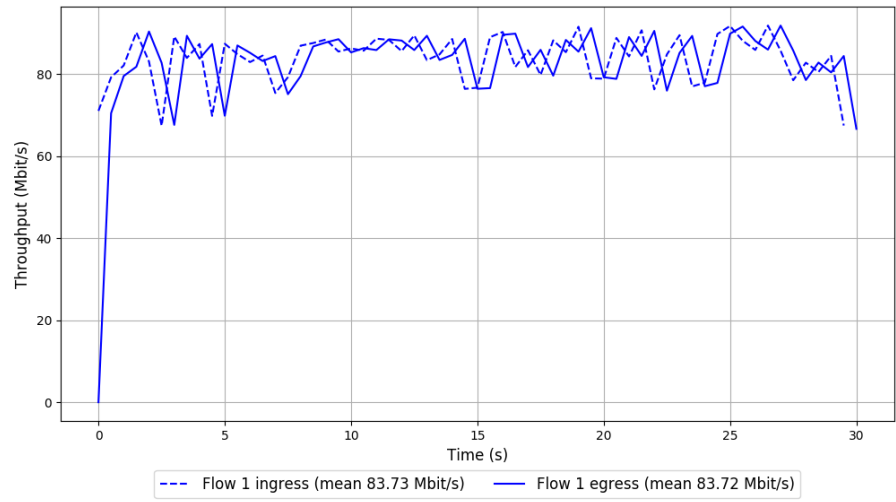
-- Flow 1:

Average throughput: 83.72 Mbit/s

95th percentile per-packet one-way delay: 4.054 ms

Loss rate: 0.03%

Run 8: Report of Copa — Data Link

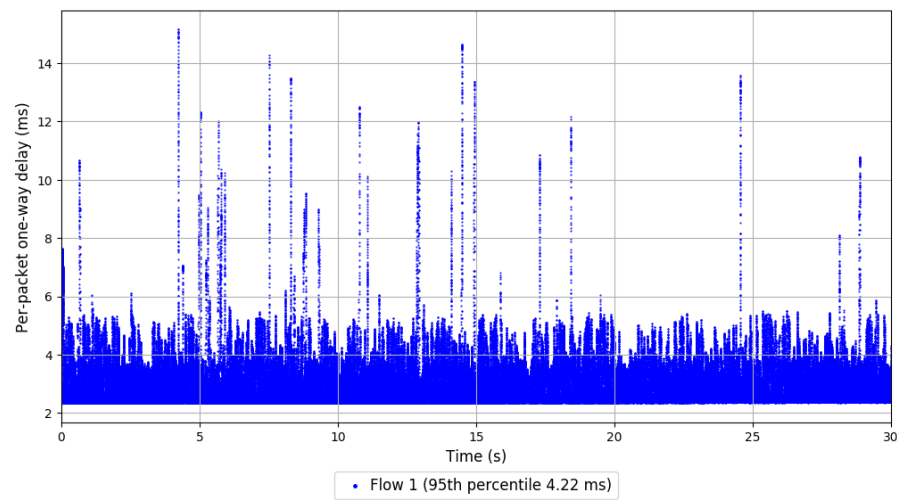
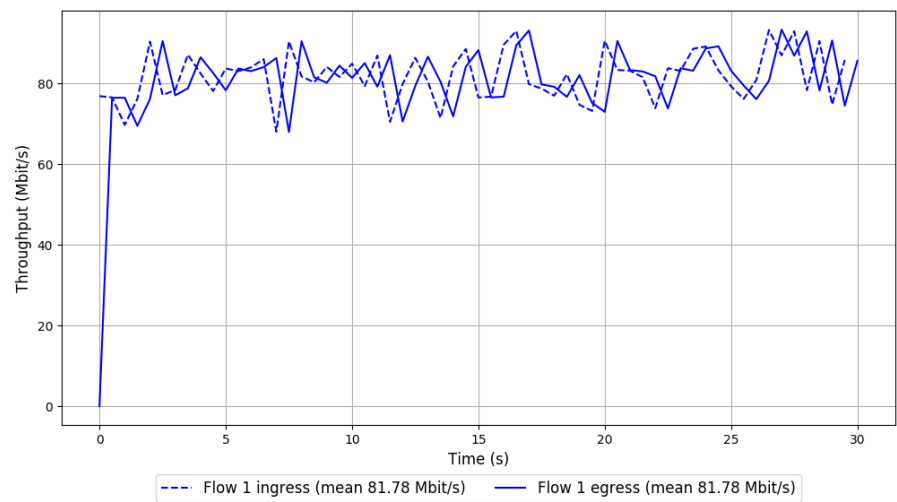


Run 9: Statistics of Copa

Start at: 2018-07-25 02:22:42
End at: 2018-07-25 02:23:12
Local clock offset: -1.896 ms
Remote clock offset: -2.283 ms

Below is generated by plot.py at 2018-07-25 02:54:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.78 Mbit/s
95th percentile per-packet one-way delay: 4.218 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 81.78 Mbit/s
95th percentile per-packet one-way delay: 4.218 ms
Loss rate: 0.02%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-25 02:41:44

End at: 2018-07-25 02:42:14

Local clock offset: -1.959 ms

Remote clock offset: -1.811 ms

Below is generated by plot.py at 2018-07-25 02:54:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.27 Mbit/s

95th percentile per-packet one-way delay: 4.299 ms

Loss rate: 0.02%

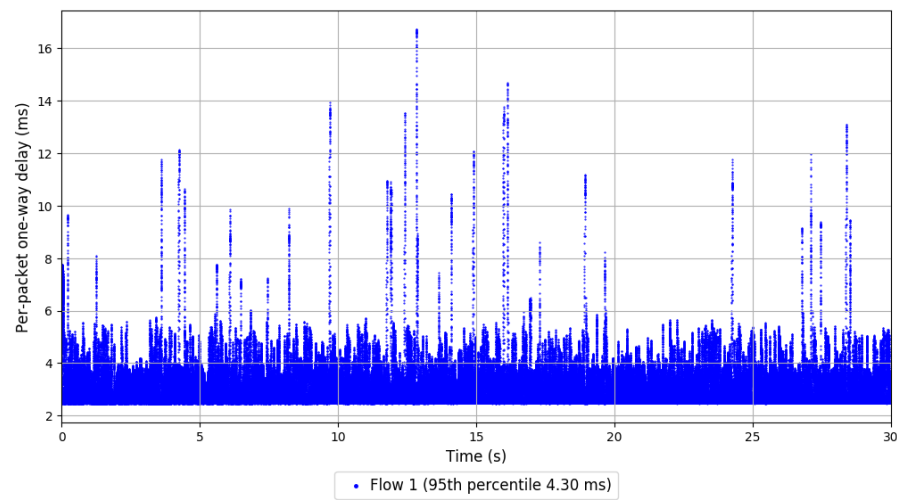
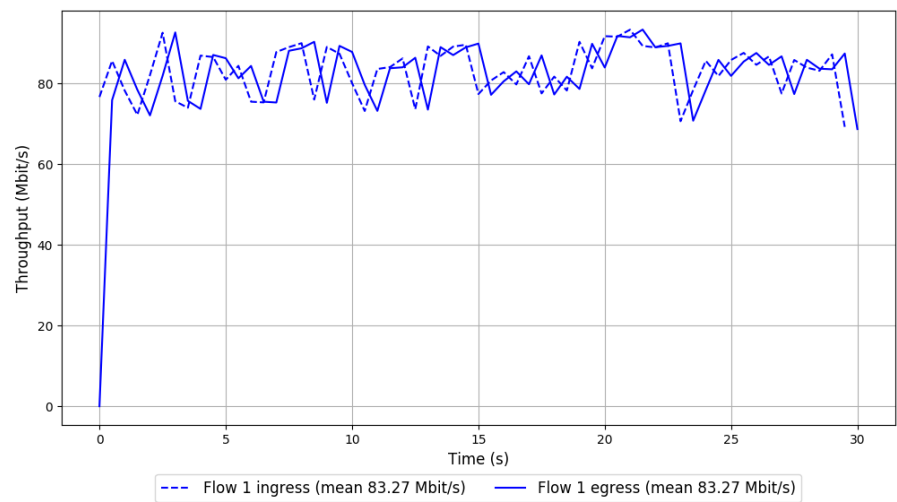
-- Flow 1:

Average throughput: 83.27 Mbit/s

95th percentile per-packet one-way delay: 4.299 ms

Loss rate: 0.02%

Run 10: Report of Copa — Data Link

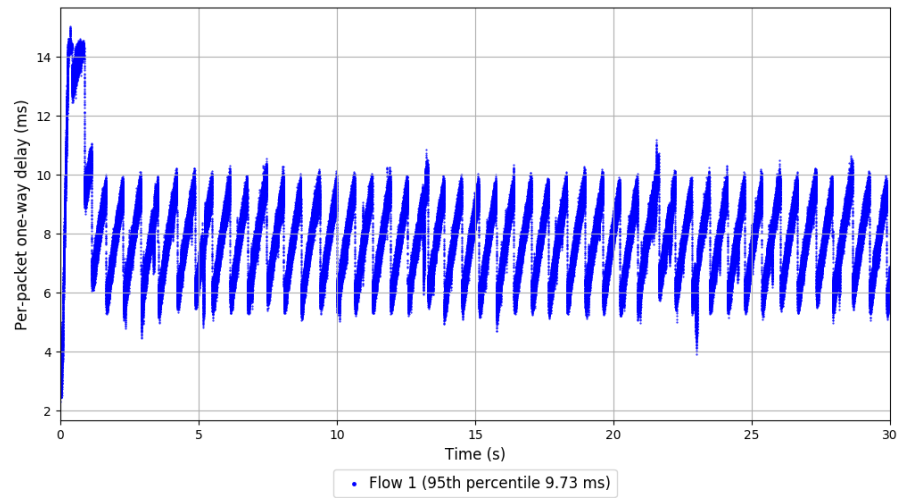
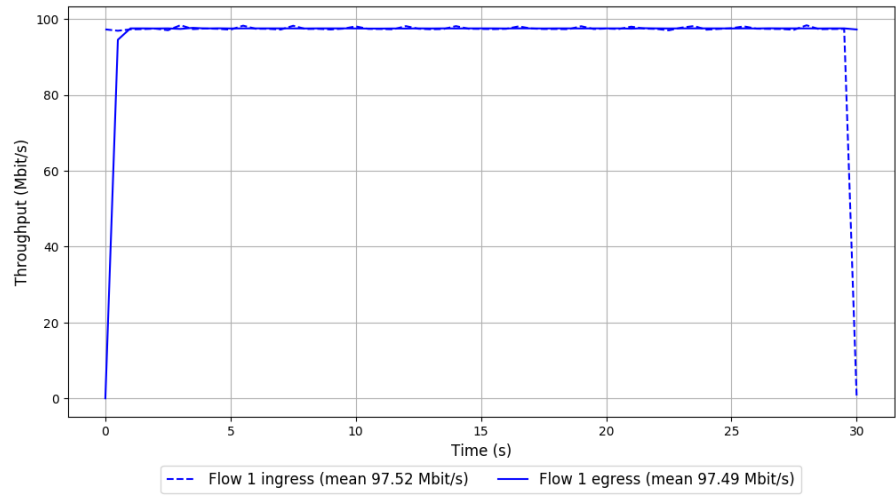


Run 1: Statistics of TCP Cubic

Start at: 2018-07-24 23:49:28
End at: 2018-07-24 23:49:58
Local clock offset: -2.645 ms
Remote clock offset: -2.762 ms

Below is generated by plot.py at 2018-07-25 02:54:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 9.729 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 9.729 ms
Loss rate: 0.05%

Run 1: Report of TCP Cubic — Data Link

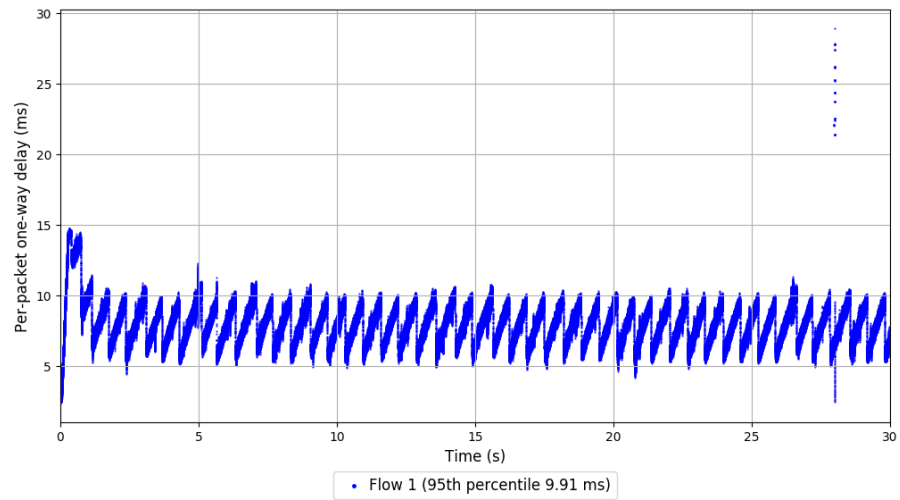
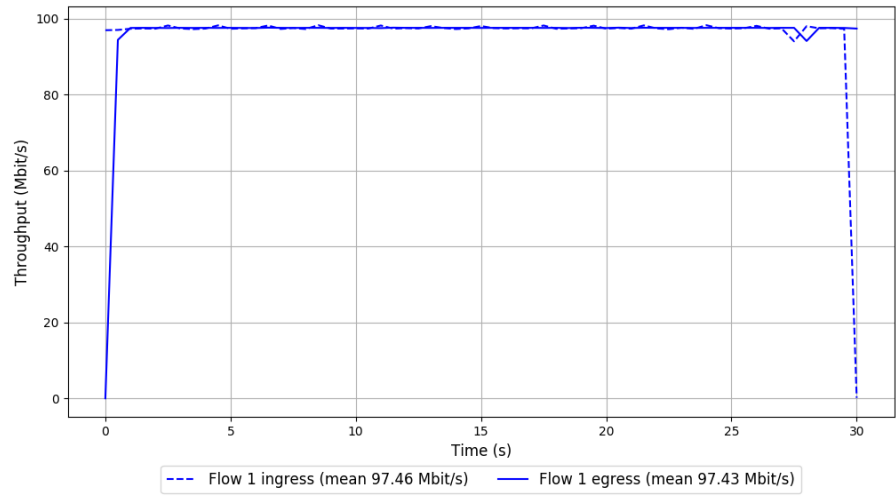


Run 2: Statistics of TCP Cubic

Start at: 2018-07-25 00:08:29
End at: 2018-07-25 00:08:59
Local clock offset: -2.62 ms
Remote clock offset: -3.108 ms

Below is generated by plot.py at 2018-07-25 02:54:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 9.910 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 9.910 ms
Loss rate: 0.05%

Run 2: Report of TCP Cubic — Data Link

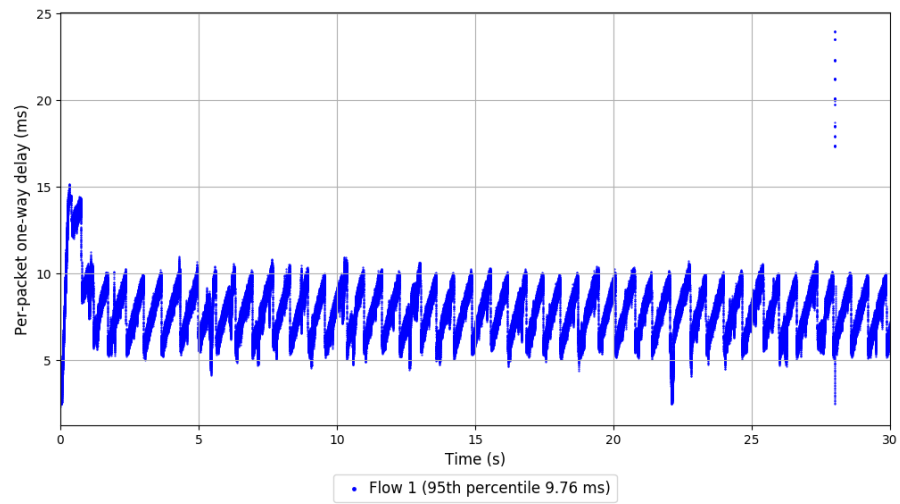
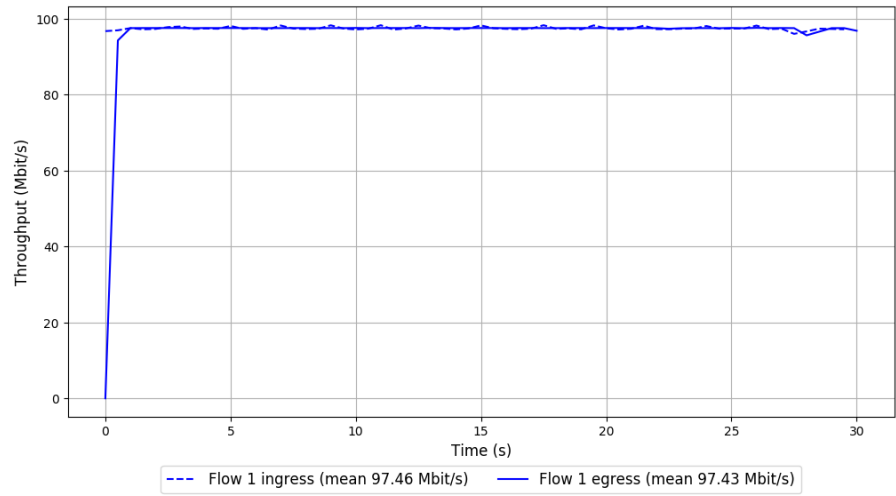


Run 3: Statistics of TCP Cubic

Start at: 2018-07-25 00:27:27
End at: 2018-07-25 00:27:57
Local clock offset: -2.665 ms
Remote clock offset: -3.171 ms

Below is generated by plot.py at 2018-07-25 02:54:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 9.764 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 9.764 ms
Loss rate: 0.05%

Run 3: Report of TCP Cubic — Data Link

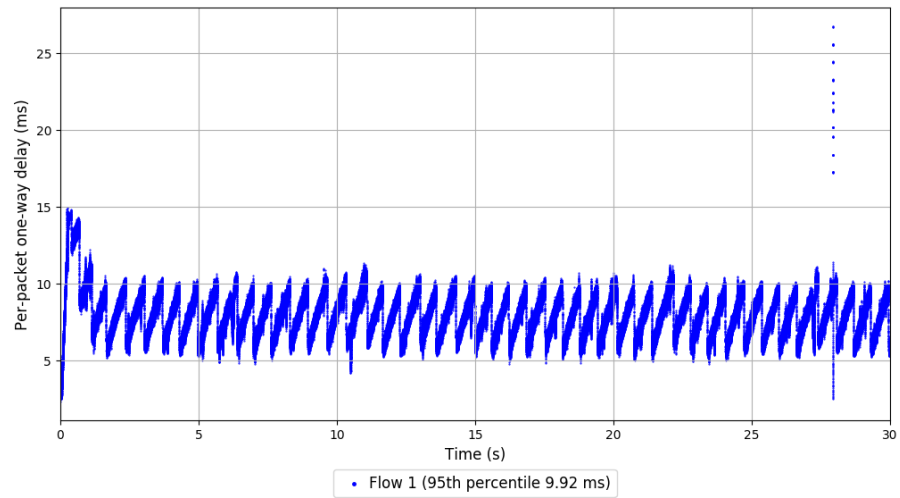
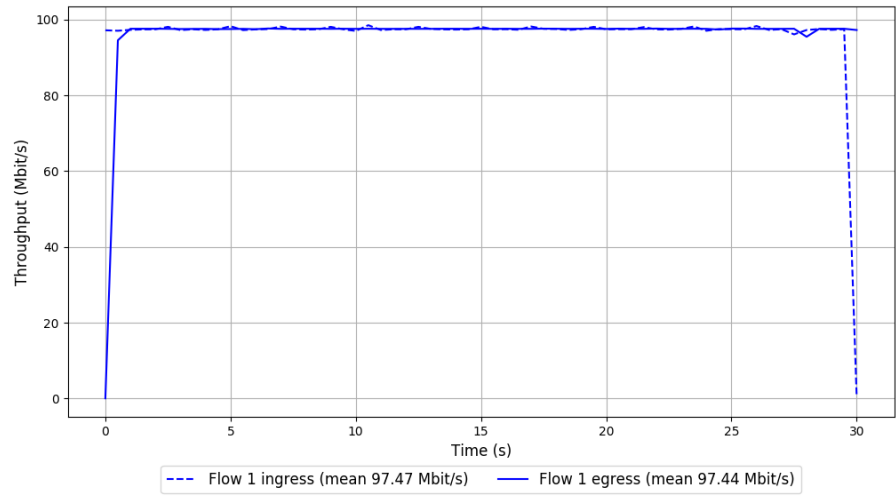


Run 4: Statistics of TCP Cubic

Start at: 2018-07-25 00:46:29
End at: 2018-07-25 00:46:59
Local clock offset: -2.749 ms
Remote clock offset: -3.359 ms

Below is generated by plot.py at 2018-07-25 02:54:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 9.916 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 9.916 ms
Loss rate: 0.05%

Run 4: Report of TCP Cubic — Data Link

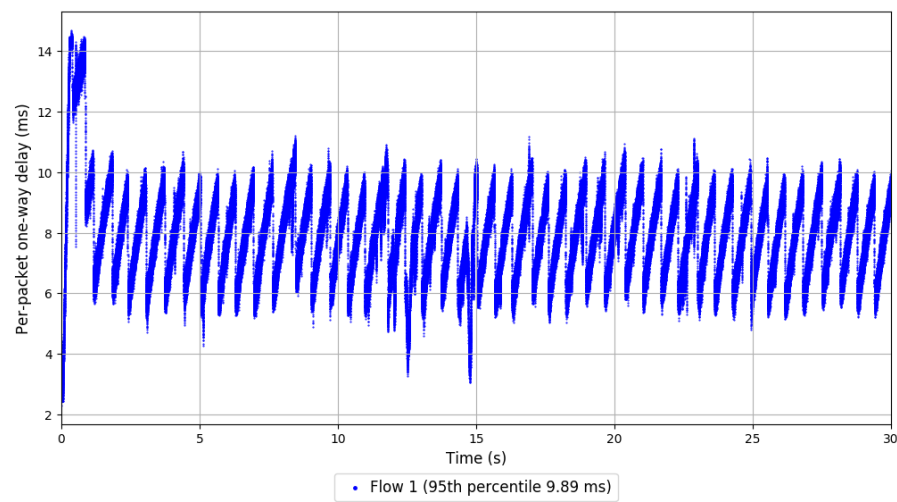
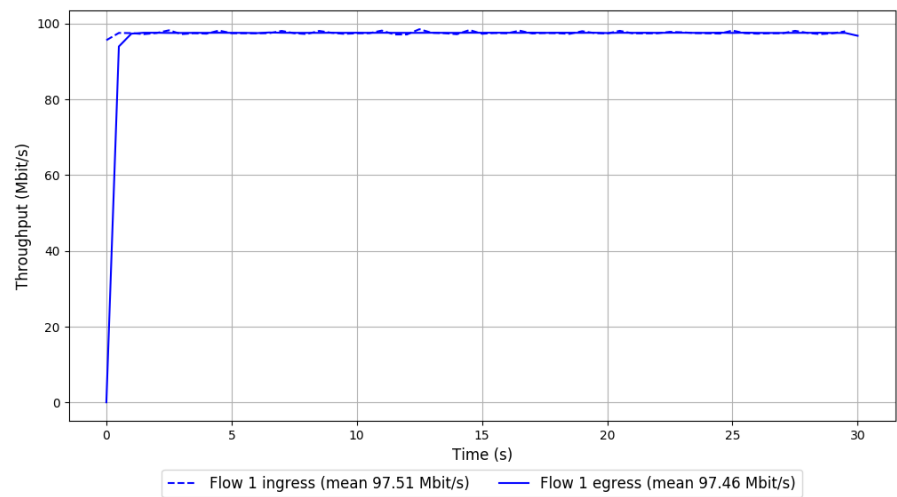


Run 5: Statistics of TCP Cubic

Start at: 2018-07-25 01:05:29
End at: 2018-07-25 01:05:59
Local clock offset: -2.807 ms
Remote clock offset: -3.315 ms

Below is generated by plot.py at 2018-07-25 02:55:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 9.887 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 9.887 ms
Loss rate: 0.06%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-25 01:24:28

End at: 2018-07-25 01:24:58

Local clock offset: -2.891 ms

Remote clock offset: -2.8 ms

Below is generated by plot.py at 2018-07-25 02:55:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.43 Mbit/s

95th percentile per-packet one-way delay: 9.541 ms

Loss rate: 0.06%

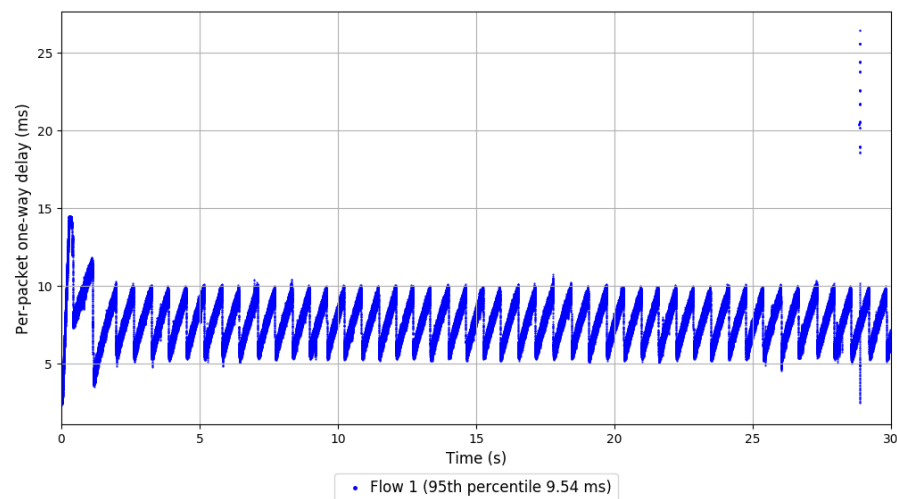
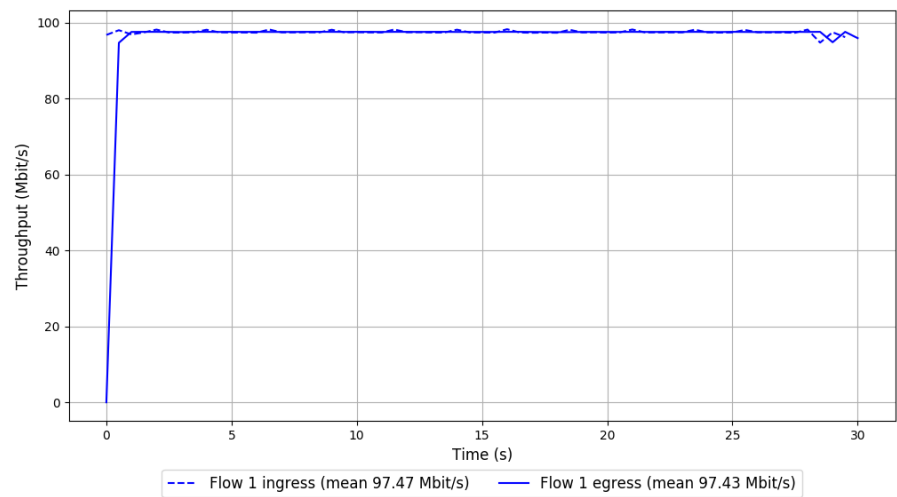
-- Flow 1:

Average throughput: 97.43 Mbit/s

95th percentile per-packet one-way delay: 9.541 ms

Loss rate: 0.06%

Run 6: Report of TCP Cubic — Data Link

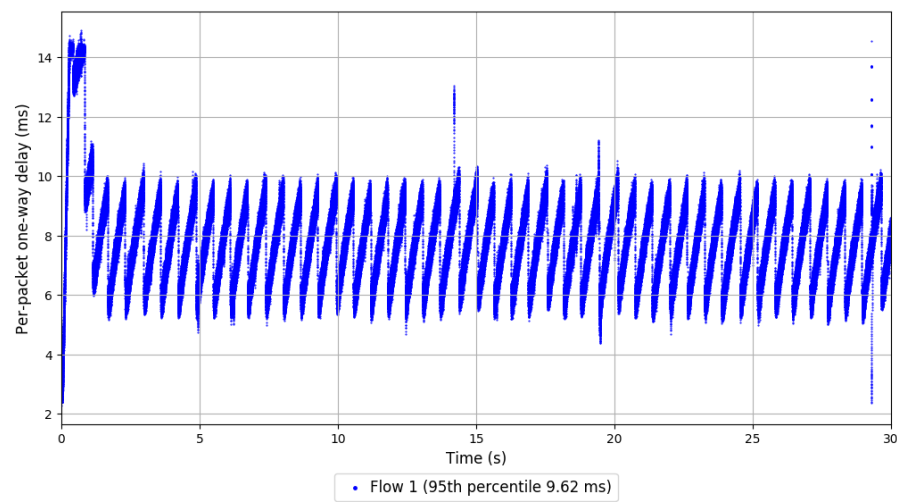
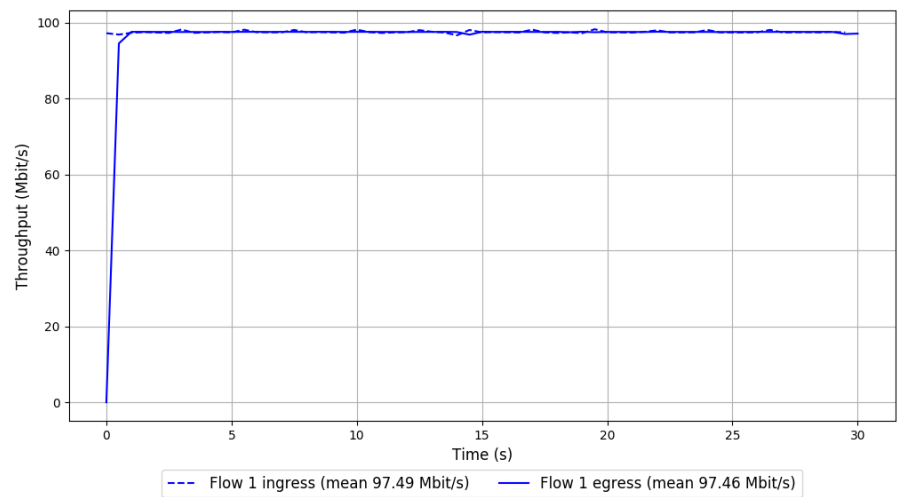


Run 7: Statistics of TCP Cubic

Start at: 2018-07-25 01:43:31
End at: 2018-07-25 01:44:01
Local clock offset: -2.792 ms
Remote clock offset: -2.869 ms

Below is generated by plot.py at 2018-07-25 02:55:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 9.625 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 9.625 ms
Loss rate: 0.06%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-25 02:02:33

End at: 2018-07-25 02:03:03

Local clock offset: -2.646 ms

Remote clock offset: -3.23 ms

Below is generated by plot.py at 2018-07-25 02:55:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 9.627 ms

Loss rate: 0.06%

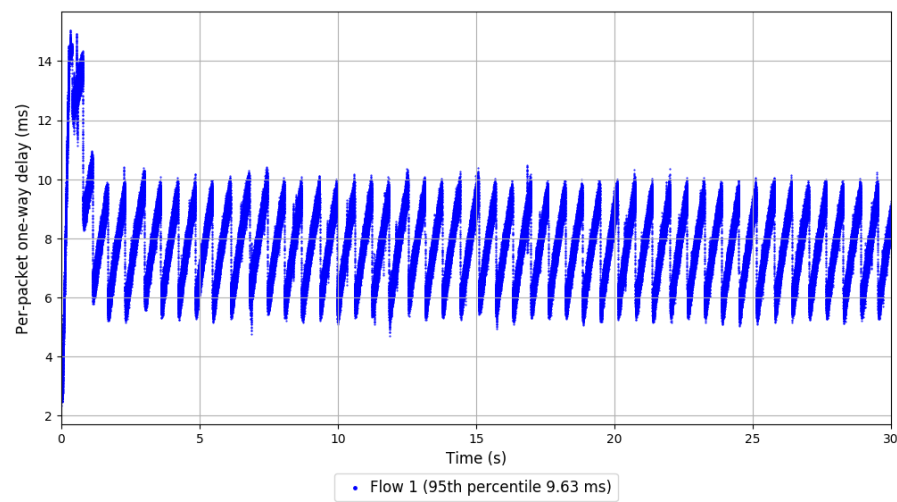
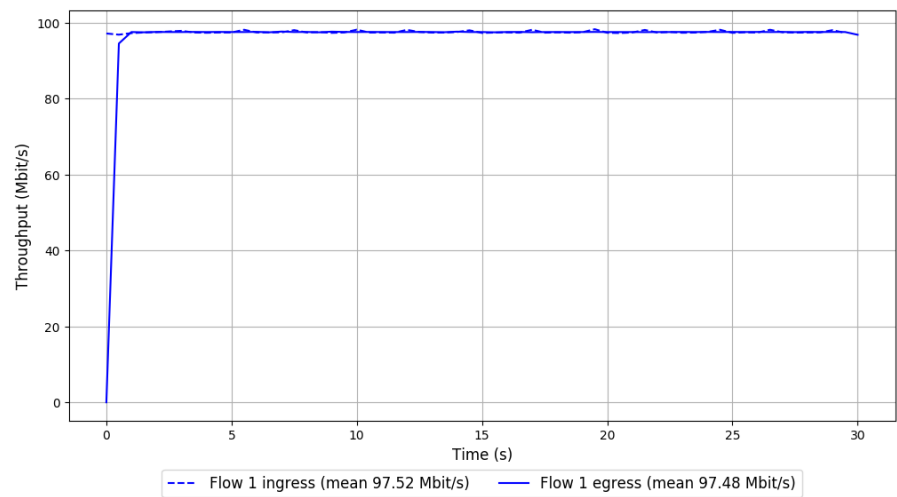
-- Flow 1:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 9.627 ms

Loss rate: 0.06%

Run 8: Report of TCP Cubic — Data Link

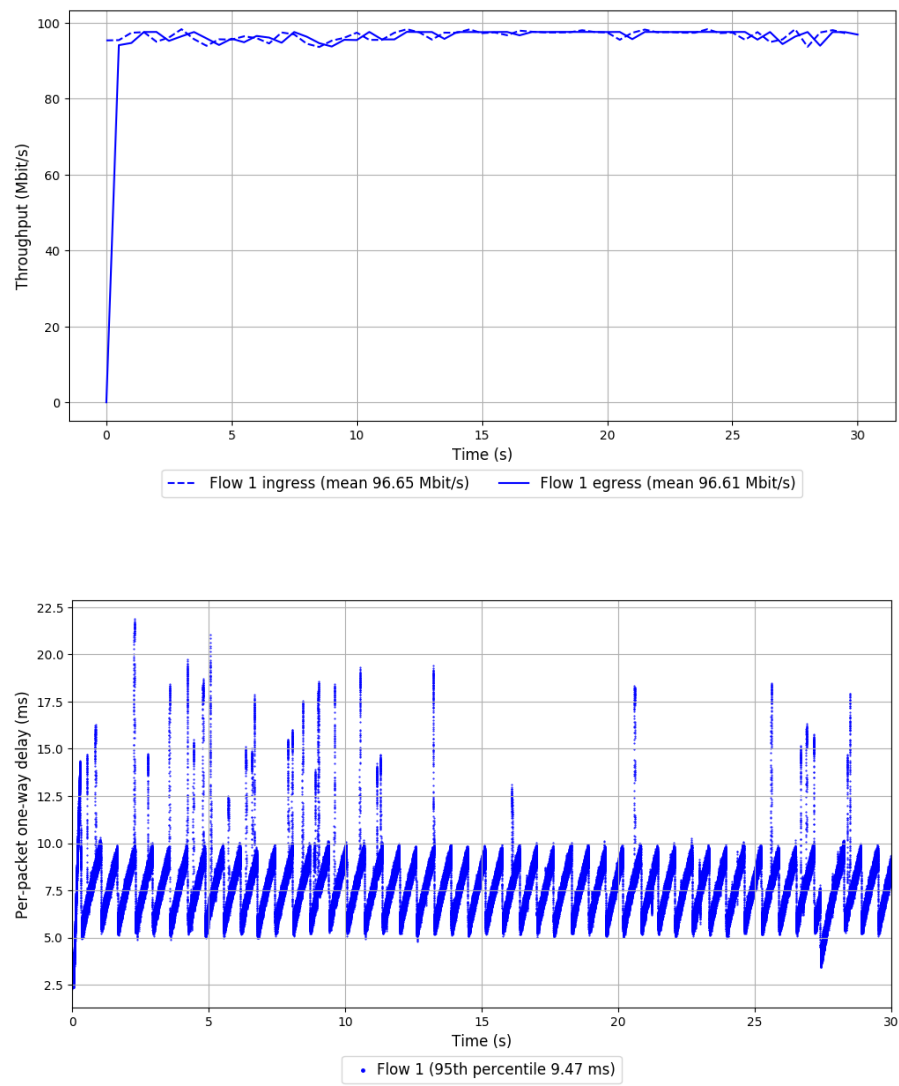


Run 9: Statistics of TCP Cubic

Start at: 2018-07-25 02:21:35
End at: 2018-07-25 02:22:05
Local clock offset: -1.908 ms
Remote clock offset: -2.327 ms

Below is generated by plot.py at 2018-07-25 02:55:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 9.466 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 9.466 ms
Loss rate: 0.06%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-25 02:40:36

End at: 2018-07-25 02:41:06

Local clock offset: -1.936 ms

Remote clock offset: -1.699 ms

Below is generated by plot.py at 2018-07-25 02:55:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.35 Mbit/s

95th percentile per-packet one-way delay: 9.518 ms

Loss rate: 0.05%

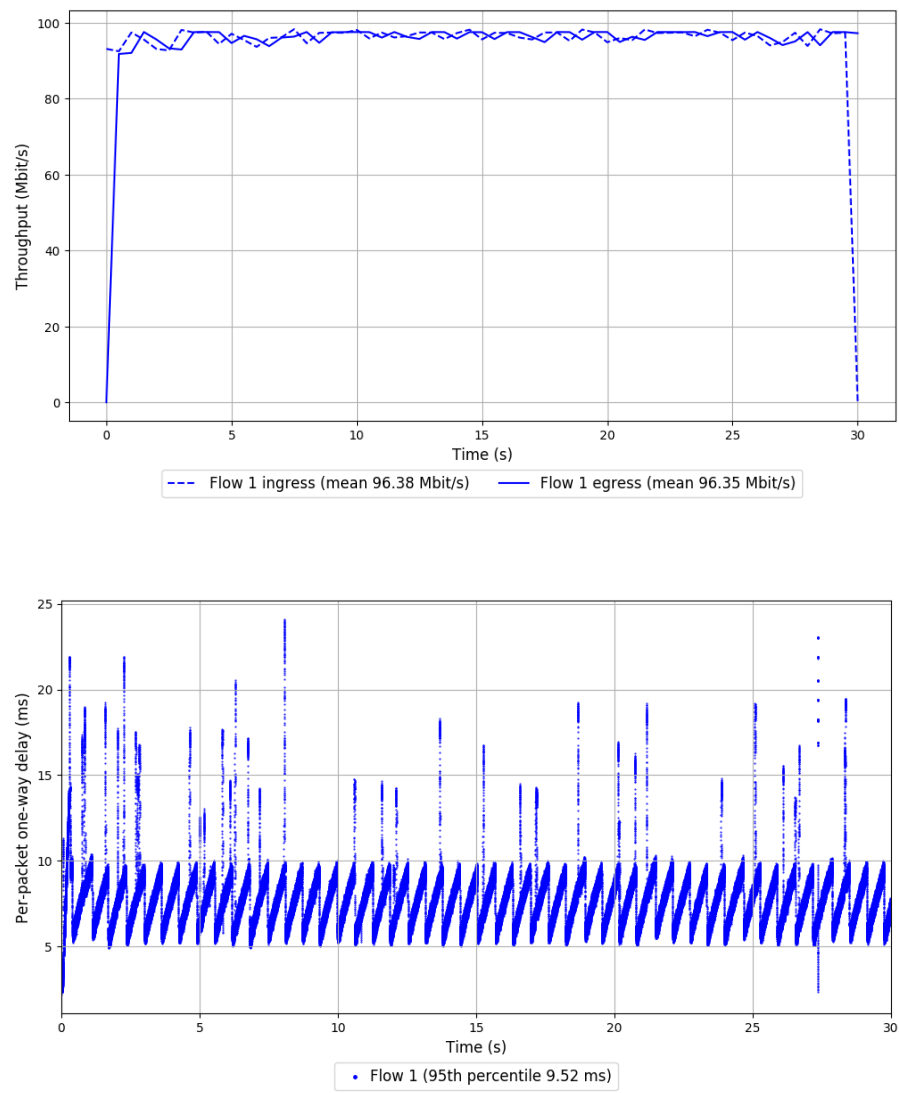
-- Flow 1:

Average throughput: 96.35 Mbit/s

95th percentile per-packet one-way delay: 9.518 ms

Loss rate: 0.05%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-24 23:51:44

End at: 2018-07-24 23:52:14

Local clock offset: -2.611 ms

Remote clock offset: -2.811 ms

Below is generated by plot.py at 2018-07-25 02:56:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.10 Mbit/s

95th percentile per-packet one-way delay: 12.927 ms

Loss rate: 0.04%

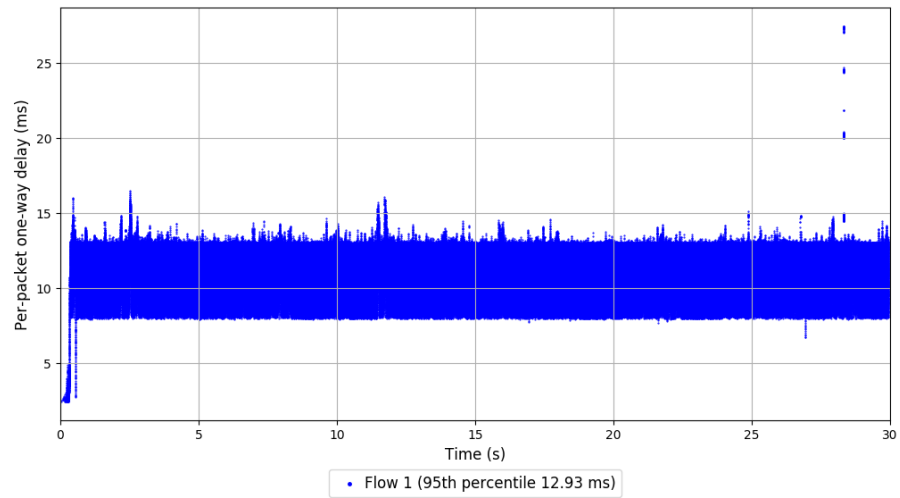
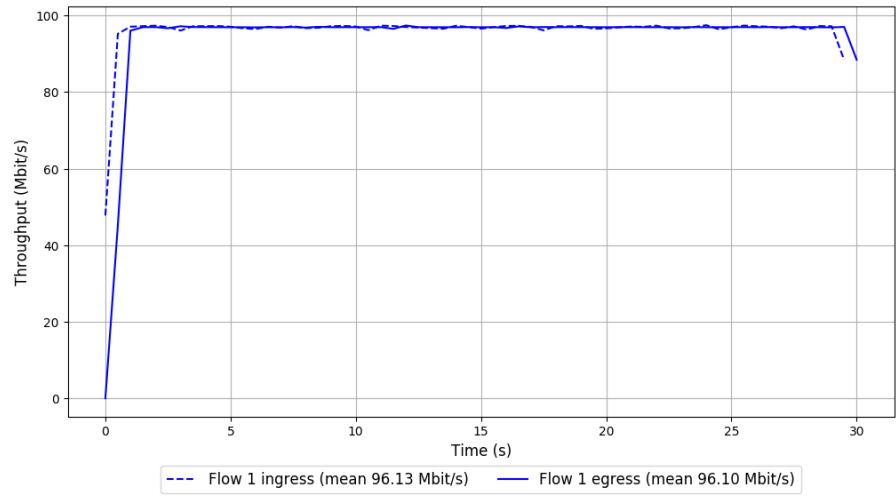
-- Flow 1:

Average throughput: 96.10 Mbit/s

95th percentile per-packet one-way delay: 12.927 ms

Loss rate: 0.04%

Run 1: Report of FillP — Data Link

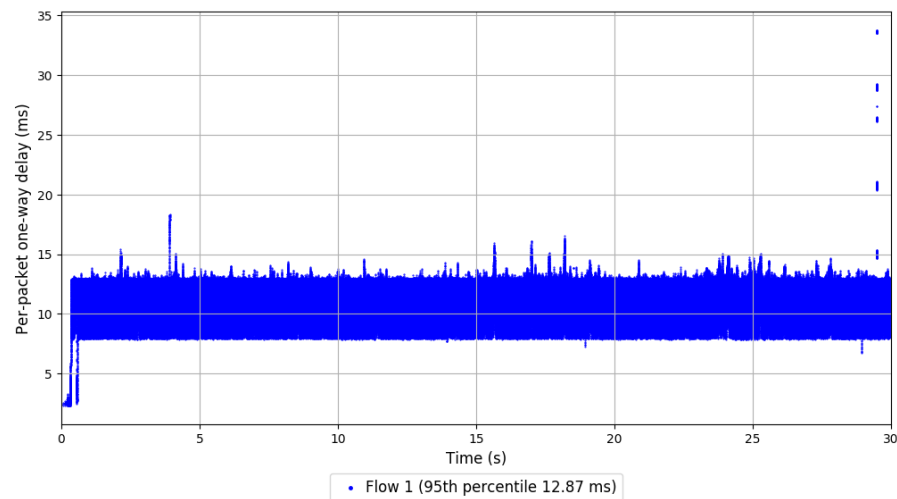
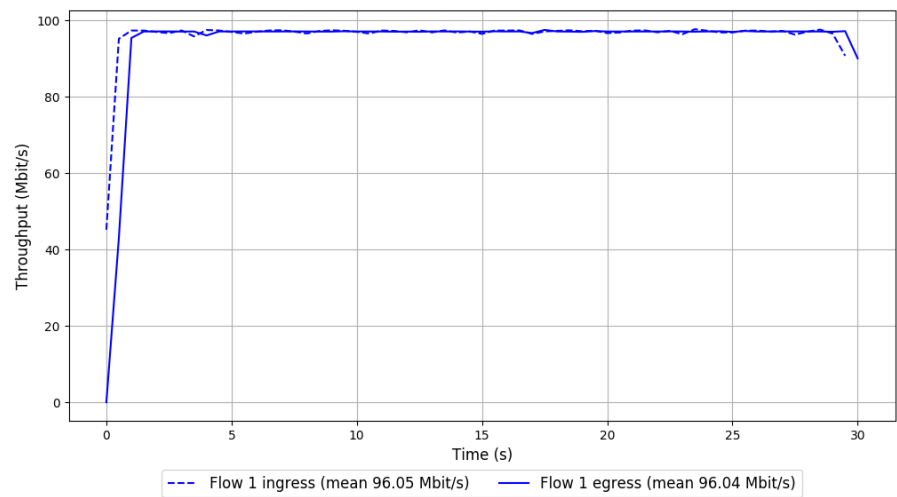


Run 2: Statistics of FillP

Start at: 2018-07-25 00:10:46
End at: 2018-07-25 00:11:16
Local clock offset: -2.696 ms
Remote clock offset: -3.186 ms

Below is generated by plot.py at 2018-07-25 02:56:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 12.865 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 12.865 ms
Loss rate: 0.04%

Run 2: Report of FillP — Data Link

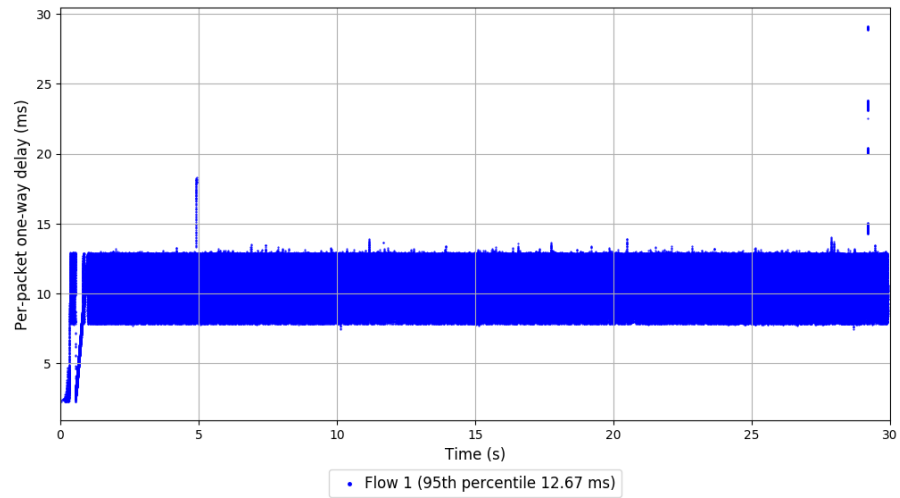
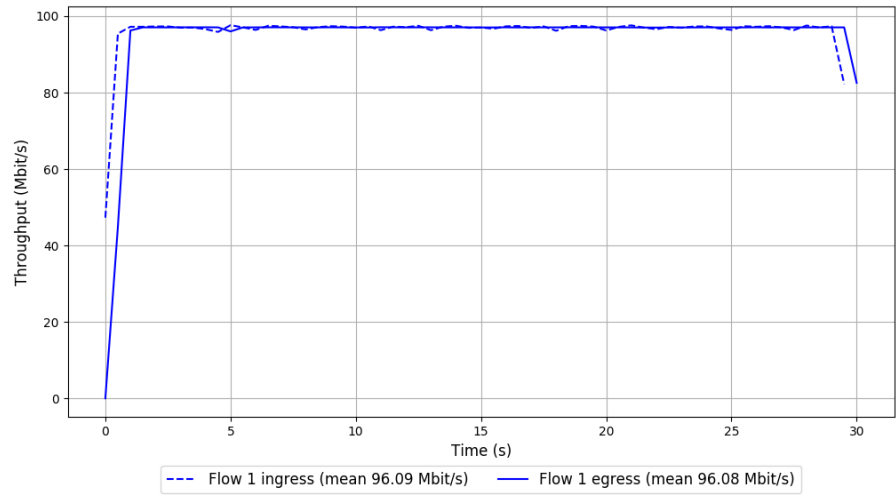


Run 3: Statistics of FillP

Start at: 2018-07-25 00:29:44
End at: 2018-07-25 00:30:14
Local clock offset: -2.739 ms
Remote clock offset: -3.177 ms

Below is generated by plot.py at 2018-07-25 02:56:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.08 Mbit/s
95th percentile per-packet one-way delay: 12.669 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.08 Mbit/s
95th percentile per-packet one-way delay: 12.669 ms
Loss rate: 0.04%

Run 3: Report of FillP — Data Link

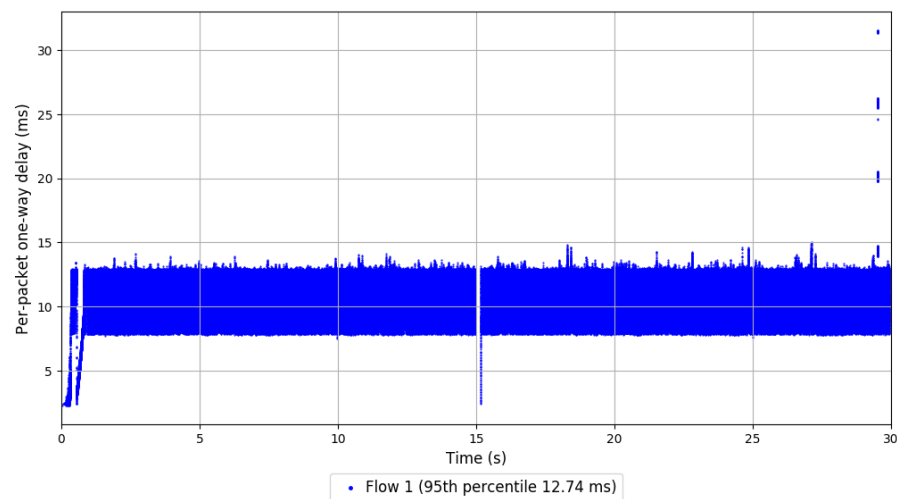
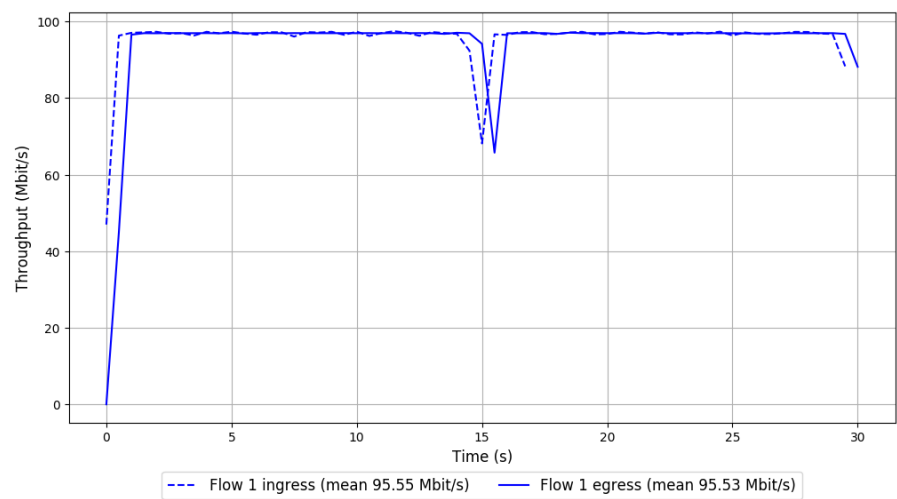


Run 4: Statistics of FillP

Start at: 2018-07-25 00:48:46
End at: 2018-07-25 00:49:16
Local clock offset: -2.827 ms
Remote clock offset: -3.384 ms

Below is generated by plot.py at 2018-07-25 02:56:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.53 Mbit/s
95th percentile per-packet one-way delay: 12.743 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 95.53 Mbit/s
95th percentile per-packet one-way delay: 12.743 ms
Loss rate: 0.04%

Run 4: Report of FillP — Data Link

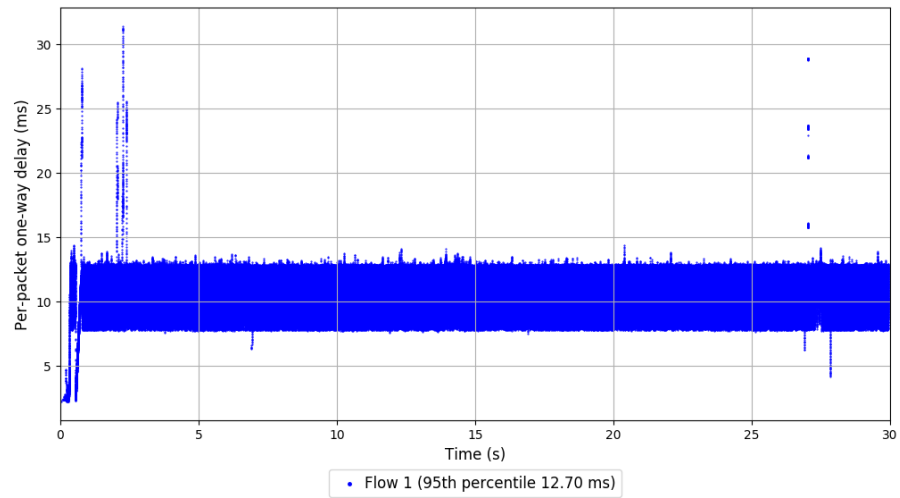
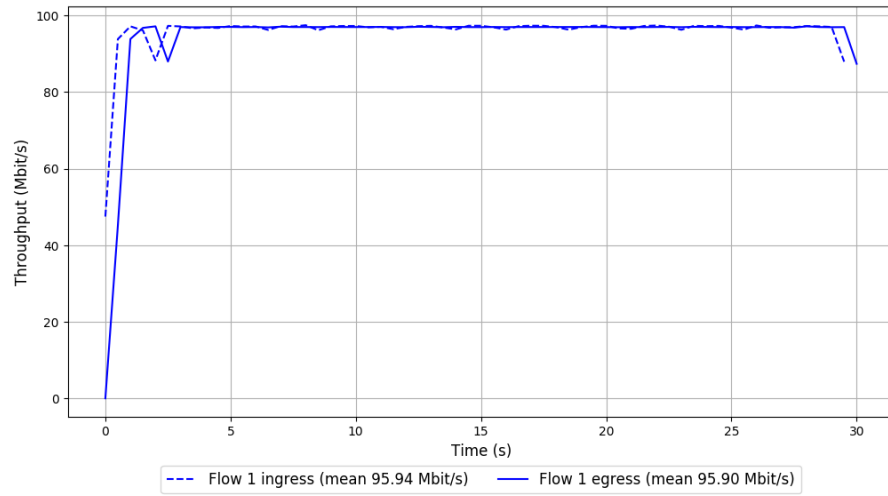


Run 5: Statistics of FillP

Start at: 2018-07-25 01:07:46
End at: 2018-07-25 01:08:16
Local clock offset: -2.833 ms
Remote clock offset: -3.102 ms

Below is generated by plot.py at 2018-07-25 02:56:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.90 Mbit/s
95th percentile per-packet one-way delay: 12.700 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 95.90 Mbit/s
95th percentile per-packet one-way delay: 12.700 ms
Loss rate: 0.05%

Run 5: Report of FillP — Data Link

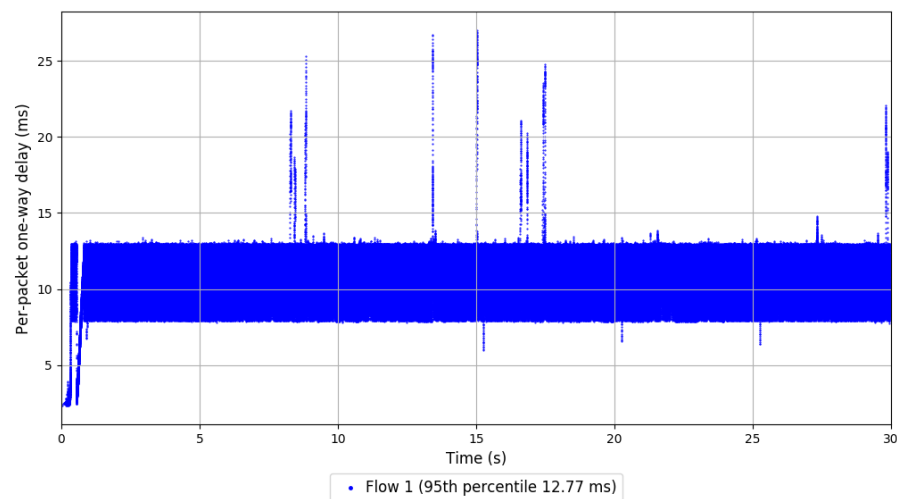
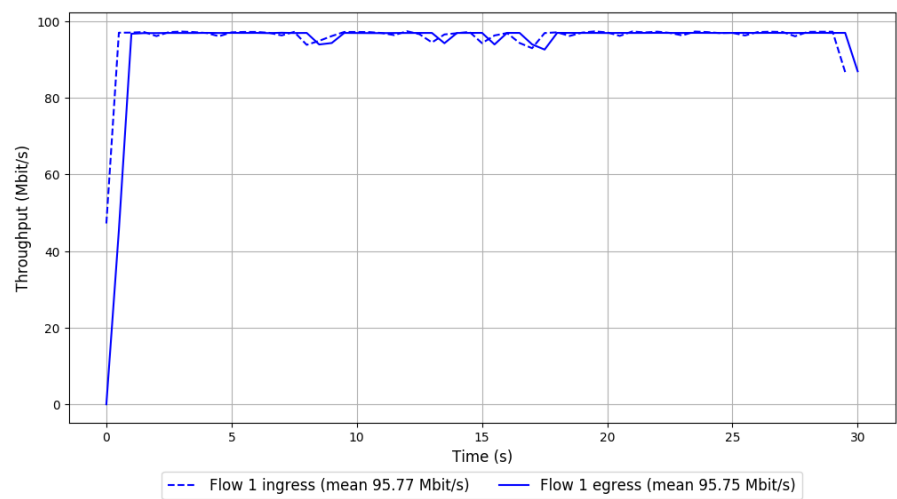


Run 6: Statistics of FillP

Start at: 2018-07-25 01:26:45
End at: 2018-07-25 01:27:15
Local clock offset: -2.903 ms
Remote clock offset: -2.799 ms

Below is generated by plot.py at 2018-07-25 02:56:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.75 Mbit/s
95th percentile per-packet one-way delay: 12.772 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 95.75 Mbit/s
95th percentile per-packet one-way delay: 12.772 ms
Loss rate: 0.04%

Run 6: Report of FillP — Data Link

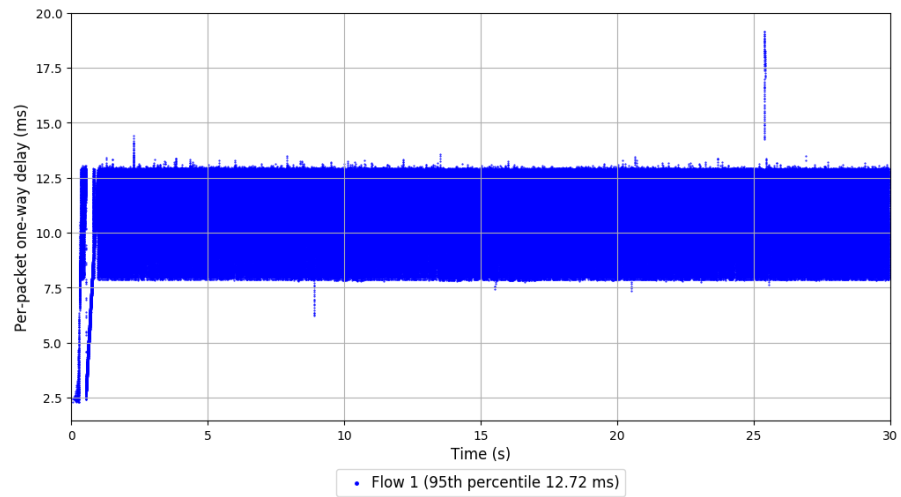
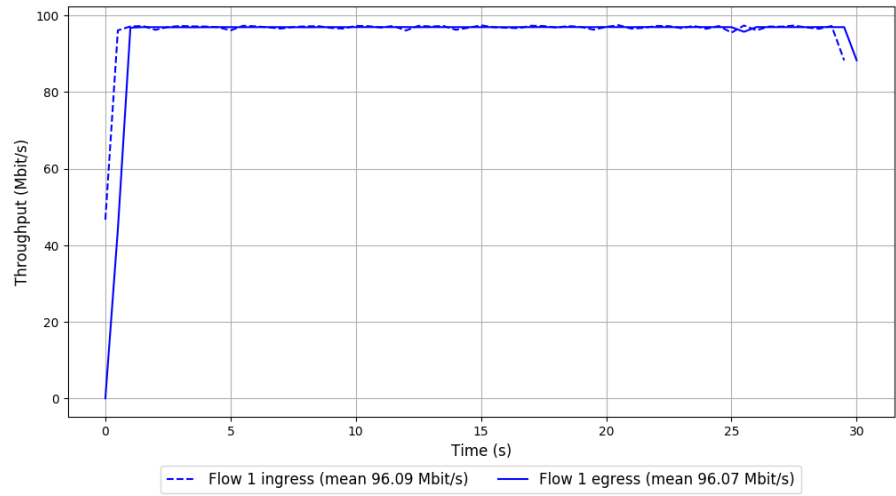


Run 7: Statistics of FillP

Start at: 2018-07-25 01:45:48
End at: 2018-07-25 01:46:18
Local clock offset: -2.775 ms
Remote clock offset: -2.961 ms

Below is generated by plot.py at 2018-07-25 02:56:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 12.717 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 12.717 ms
Loss rate: 0.04%

Run 7: Report of FillP — Data Link

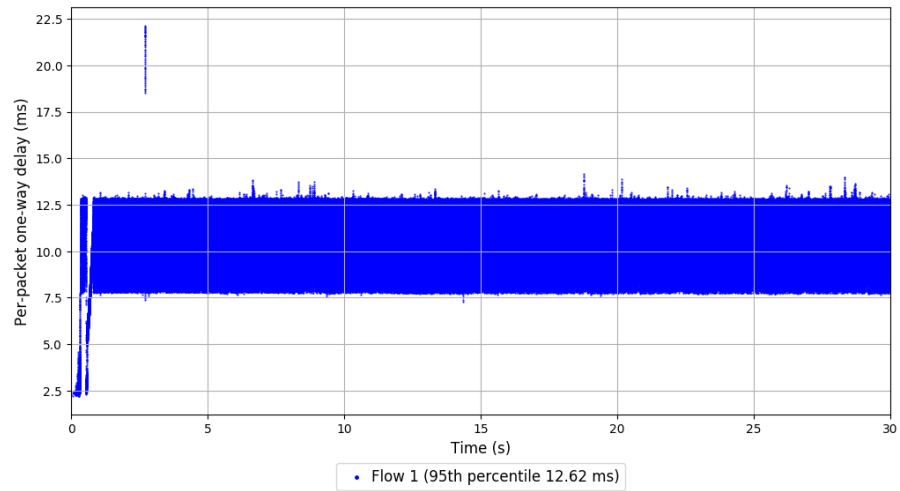
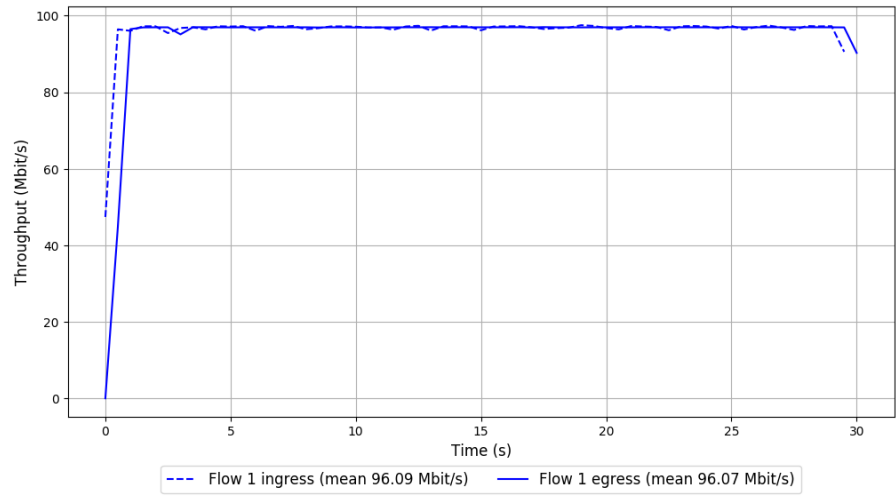


Run 8: Statistics of FillP

Start at: 2018-07-25 02:04:49
End at: 2018-07-25 02:05:19
Local clock offset: -2.489 ms
Remote clock offset: -3.089 ms

Below is generated by plot.py at 2018-07-25 02:56:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 12.622 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 12.622 ms
Loss rate: 0.05%

Run 8: Report of FillP — Data Link

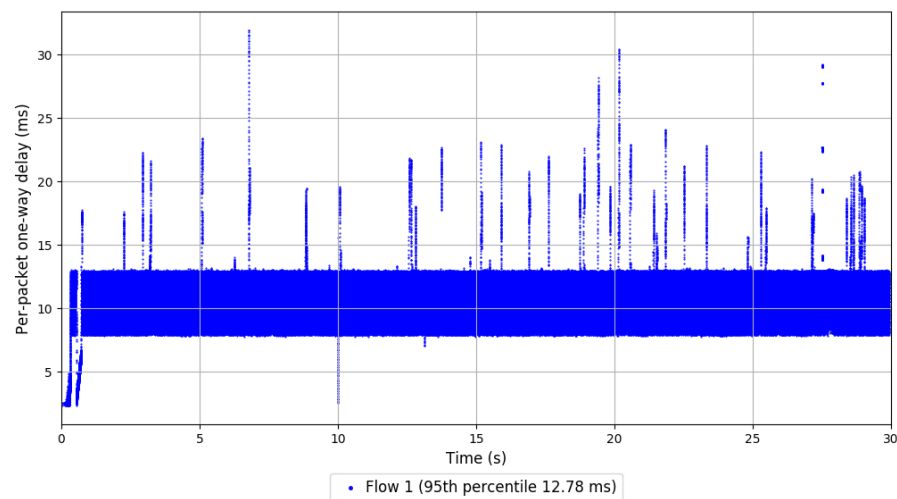
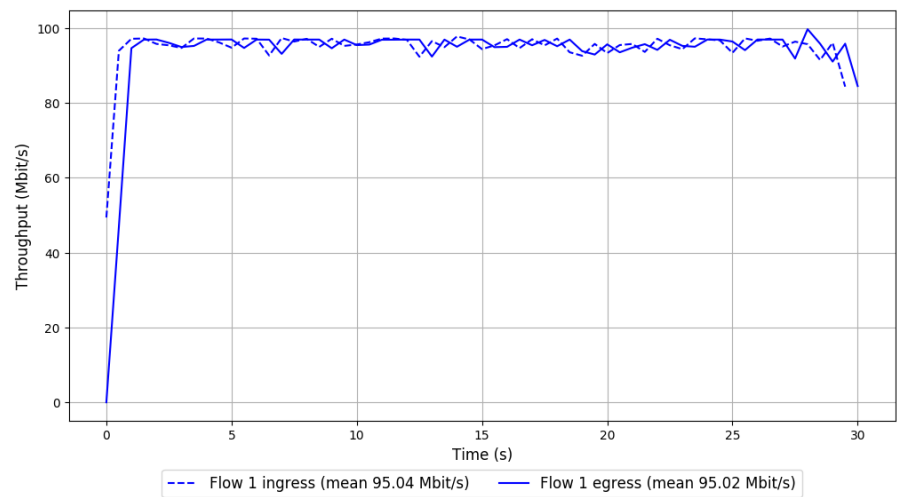


Run 9: Statistics of FillP

Start at: 2018-07-25 02:23:52
End at: 2018-07-25 02:24:22
Local clock offset: -1.859 ms
Remote clock offset: -2.293 ms

Below is generated by plot.py at 2018-07-25 02:57:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.02 Mbit/s
95th percentile per-packet one-way delay: 12.782 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 95.02 Mbit/s
95th percentile per-packet one-way delay: 12.782 ms
Loss rate: 0.04%

Run 9: Report of FillP — Data Link

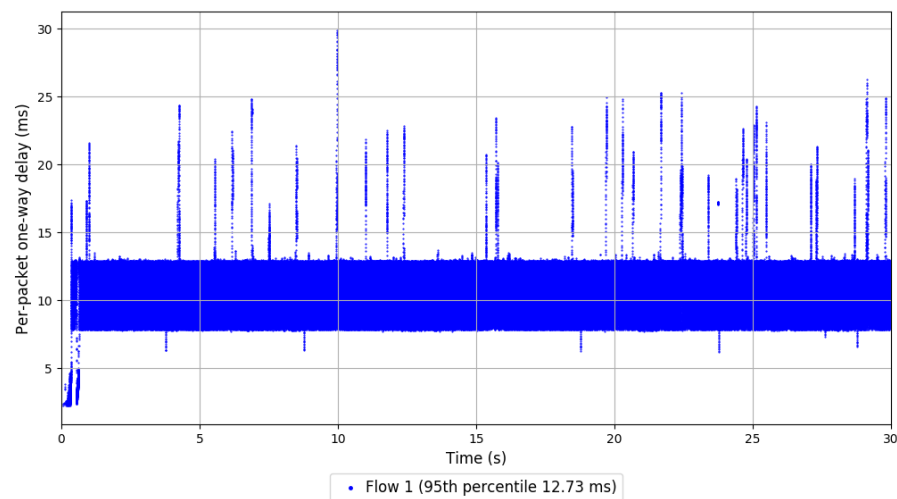
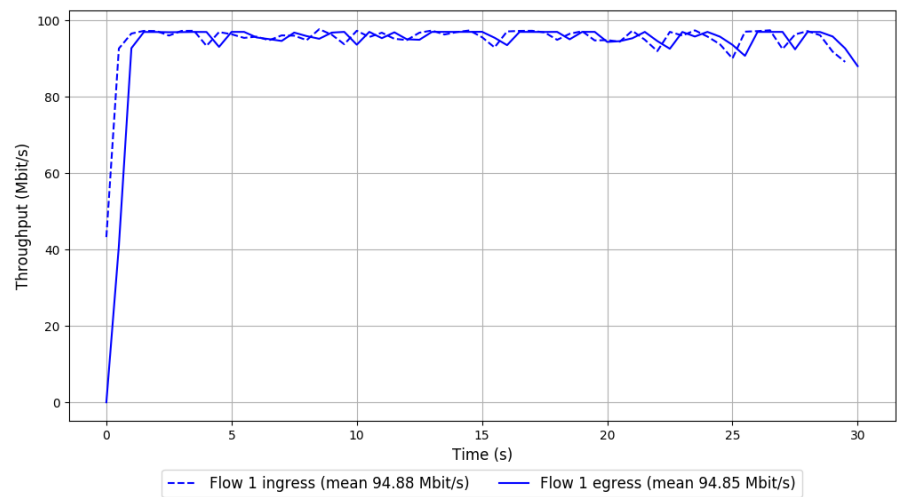


Run 10: Statistics of FillP

Start at: 2018-07-25 02:42:53
End at: 2018-07-25 02:43:23
Local clock offset: -1.941 ms
Remote clock offset: -1.668 ms

Below is generated by plot.py at 2018-07-25 02:57:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.85 Mbit/s
95th percentile per-packet one-way delay: 12.732 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 94.85 Mbit/s
95th percentile per-packet one-way delay: 12.732 ms
Loss rate: 0.05%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-24 23:44:58

End at: 2018-07-24 23:45:28

Local clock offset: -2.684 ms

Remote clock offset: -2.71 ms

Below is generated by plot.py at 2018-07-25 02:57:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.43 Mbit/s

95th percentile per-packet one-way delay: 12.685 ms

Loss rate: 0.04%

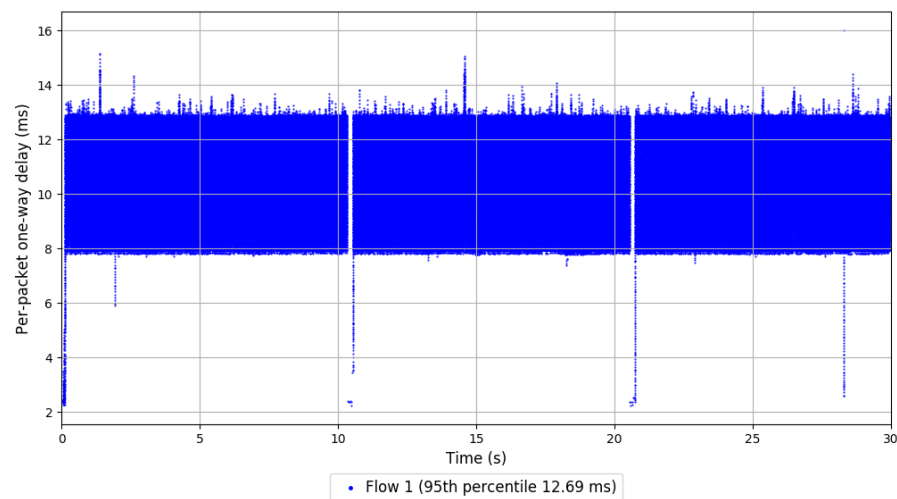
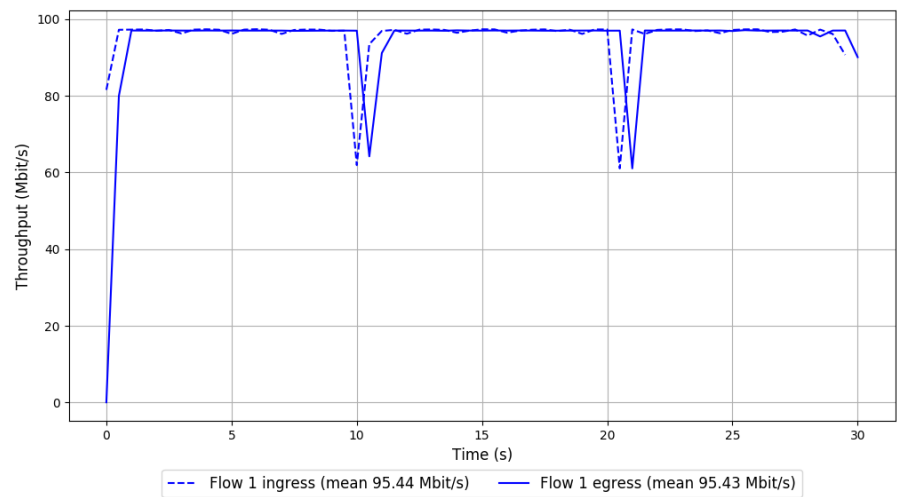
-- Flow 1:

Average throughput: 95.43 Mbit/s

95th percentile per-packet one-way delay: 12.685 ms

Loss rate: 0.04%

Run 1: Report of FillP-Sheep — Data Link

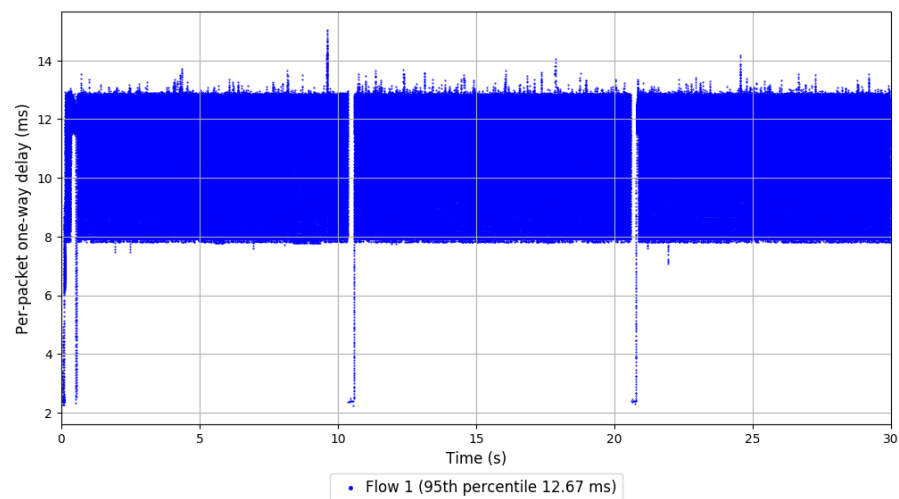
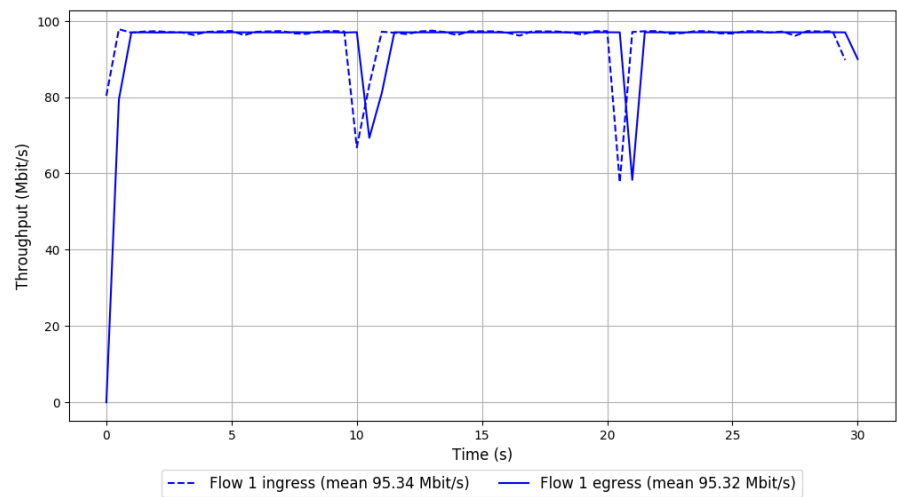


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-25 00:04:00
End at: 2018-07-25 00:04:30
Local clock offset: -2.687 ms
Remote clock offset: -3.006 ms

Below is generated by plot.py at 2018-07-25 02:57:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.32 Mbit/s
95th percentile per-packet one-way delay: 12.668 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 95.32 Mbit/s
95th percentile per-packet one-way delay: 12.668 ms
Loss rate: 0.04%

Run 2: Report of FillP-Sheep — Data Link

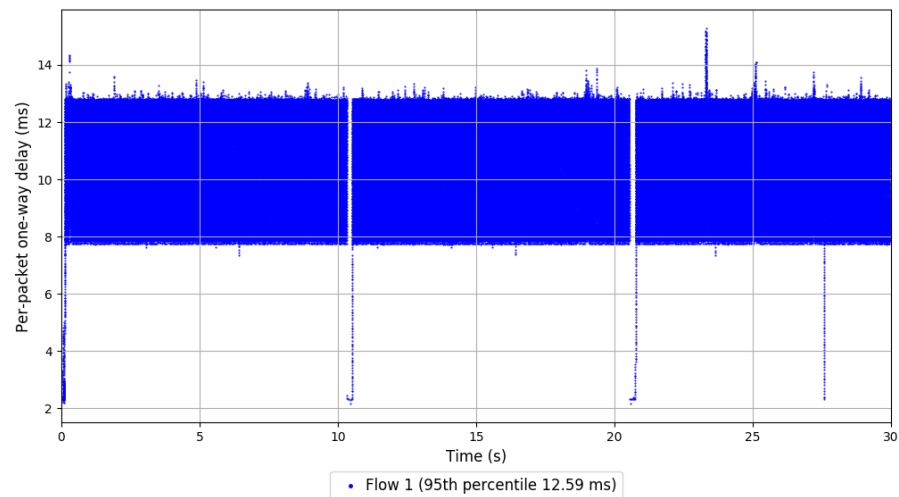
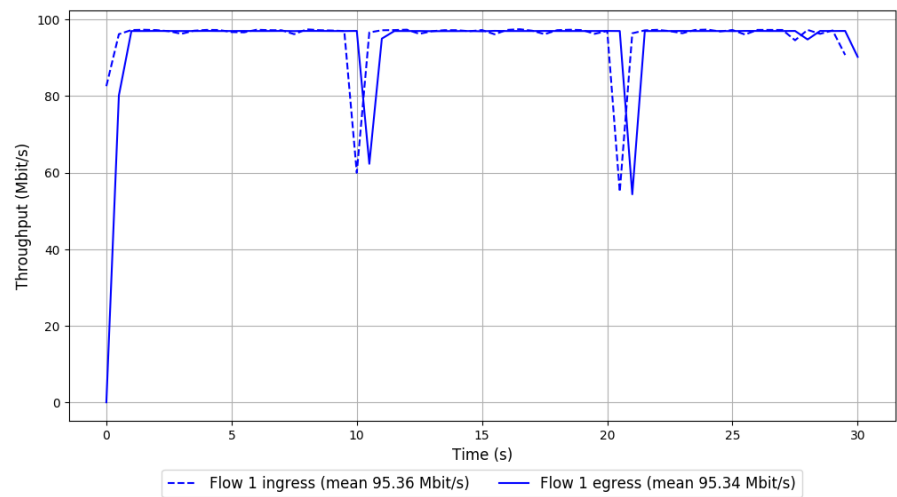


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-25 00:22:57
End at: 2018-07-25 00:23:27
Local clock offset: -2.725 ms
Remote clock offset: -3.107 ms

Below is generated by plot.py at 2018-07-25 02:58:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 12.593 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 12.593 ms
Loss rate: 0.04%

Run 3: Report of FillP-Sheep — Data Link

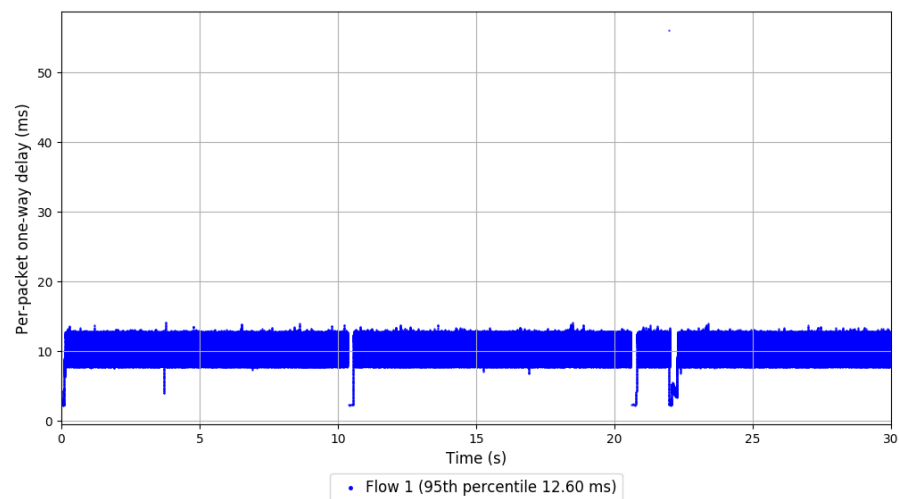
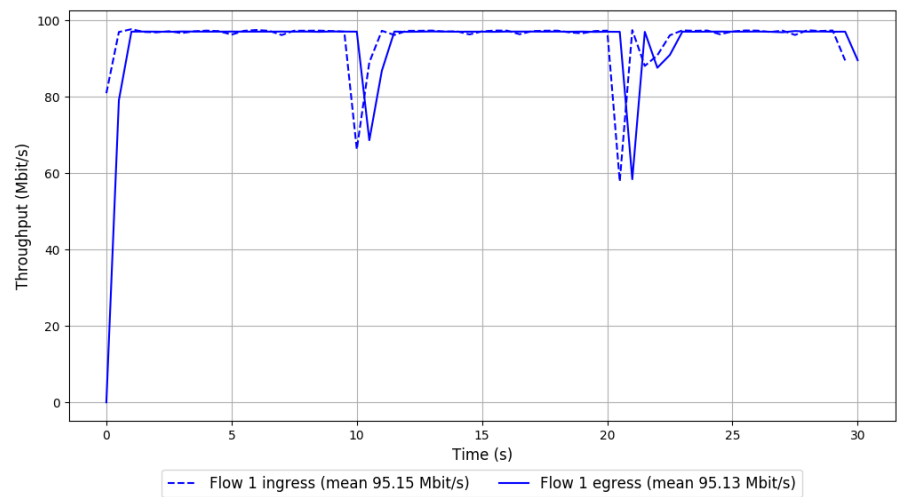


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-25 00:41:59
End at: 2018-07-25 00:42:29
Local clock offset: -2.809 ms
Remote clock offset: -3.259 ms

Below is generated by plot.py at 2018-07-25 02:58:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.13 Mbit/s
95th percentile per-packet one-way delay: 12.601 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 95.13 Mbit/s
95th percentile per-packet one-way delay: 12.601 ms
Loss rate: 0.04%

Run 4: Report of FillP-Sheep — Data Link

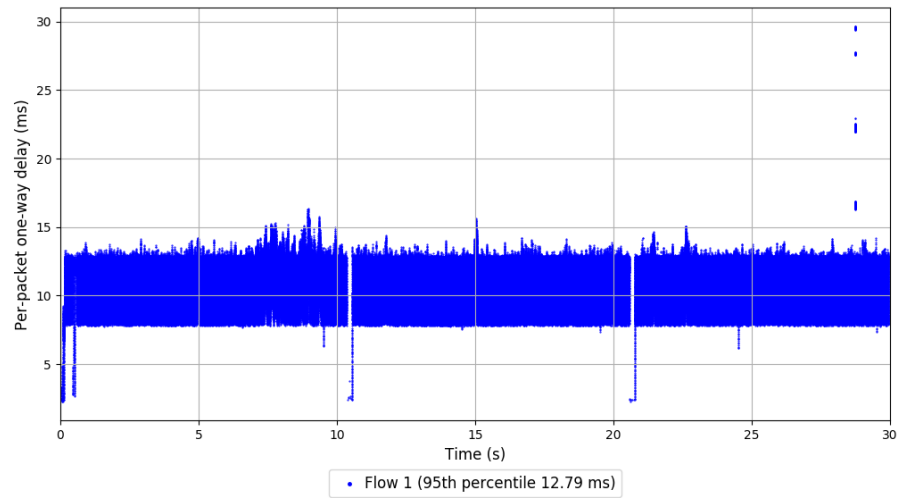
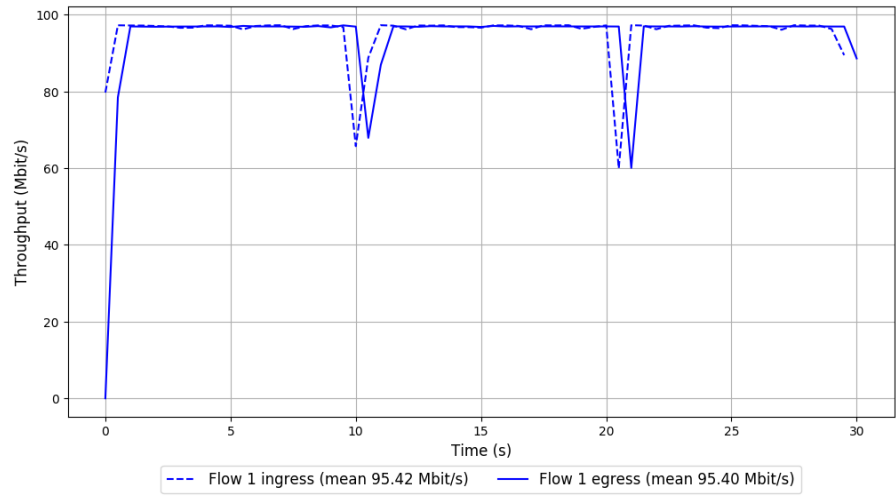


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-25 01:00:59
End at: 2018-07-25 01:01:29
Local clock offset: -2.772 ms
Remote clock offset: -3.342 ms

Below is generated by plot.py at 2018-07-25 02:58:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.40 Mbit/s
95th percentile per-packet one-way delay: 12.788 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 95.40 Mbit/s
95th percentile per-packet one-way delay: 12.788 ms
Loss rate: 0.04%

Run 5: Report of FillP-Sheep — Data Link

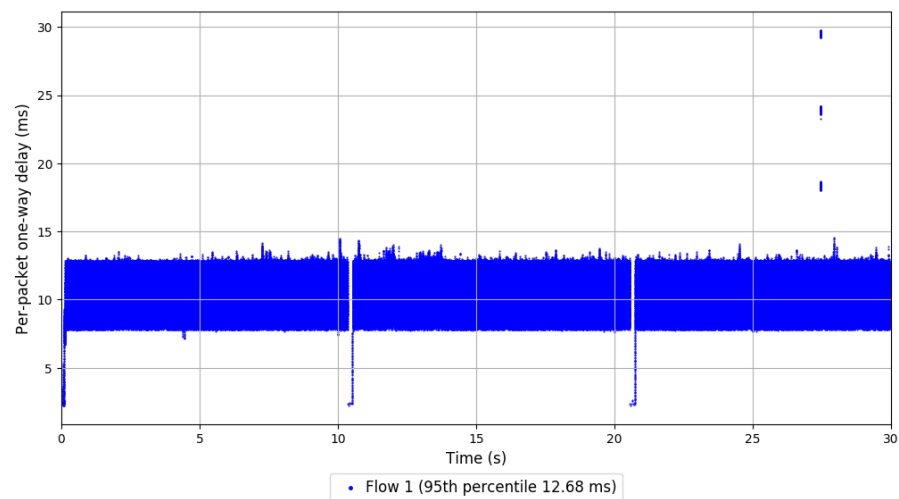
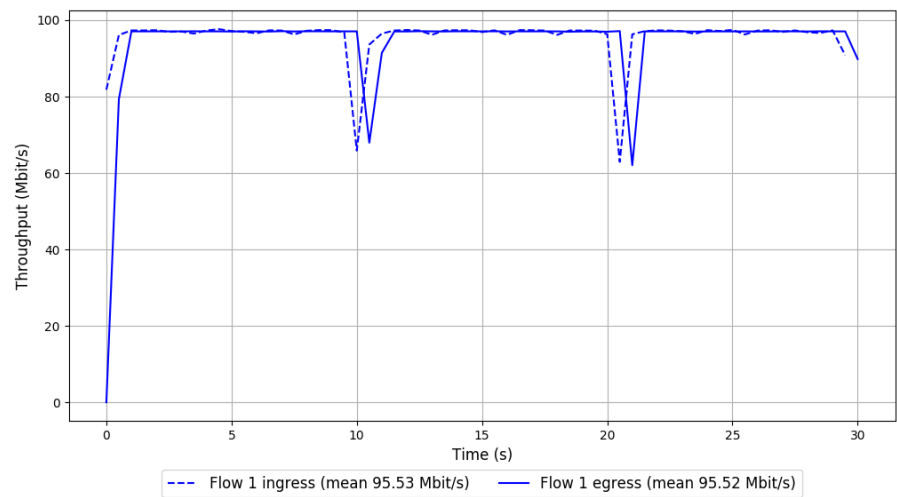


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-25 01:19:58
End at: 2018-07-25 01:20:28
Local clock offset: -2.946 ms
Remote clock offset: -2.829 ms

Below is generated by plot.py at 2018-07-25 02:58:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.52 Mbit/s
95th percentile per-packet one-way delay: 12.681 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 95.52 Mbit/s
95th percentile per-packet one-way delay: 12.681 ms
Loss rate: 0.05%

Run 6: Report of FillP-Sheep — Data Link

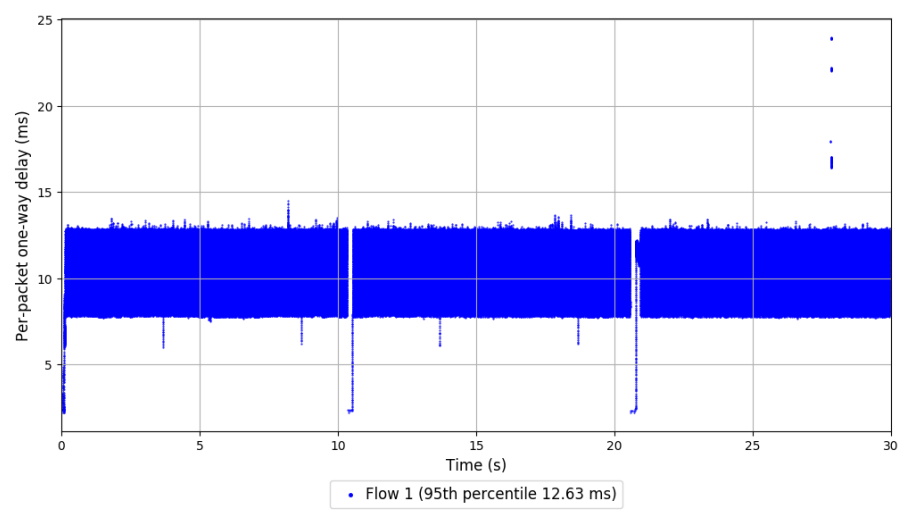
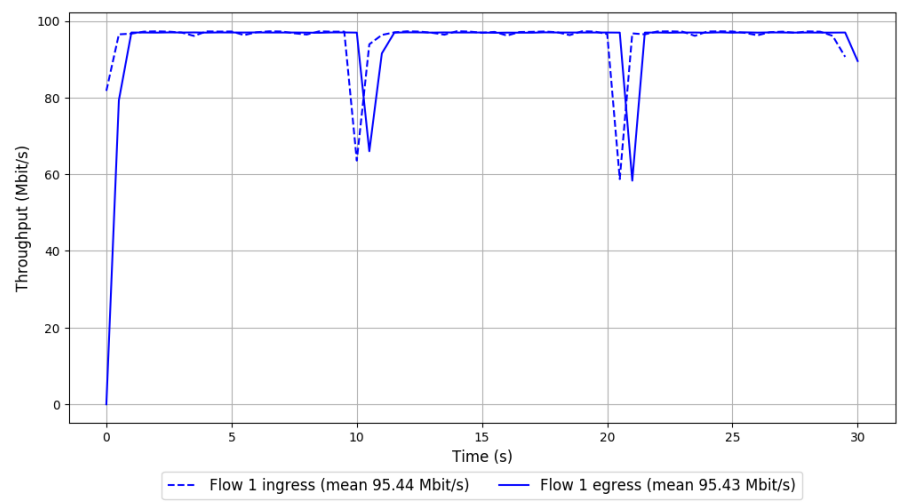


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-25 01:39:01
End at: 2018-07-25 01:39:31
Local clock offset: -2.881 ms
Remote clock offset: -2.708 ms

Below is generated by plot.py at 2018-07-25 02:59:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.43 Mbit/s
95th percentile per-packet one-way delay: 12.626 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 95.43 Mbit/s
95th percentile per-packet one-way delay: 12.626 ms
Loss rate: 0.05%

Run 7: Report of FillP-Sheep — Data Link

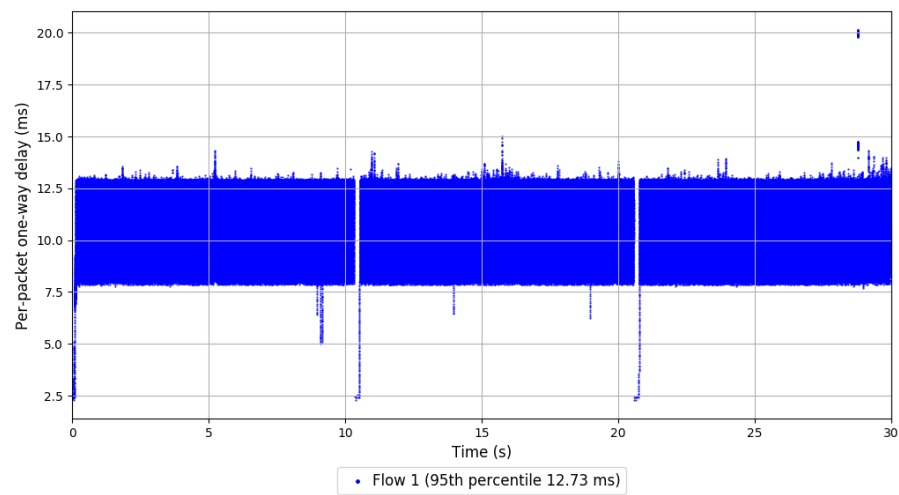
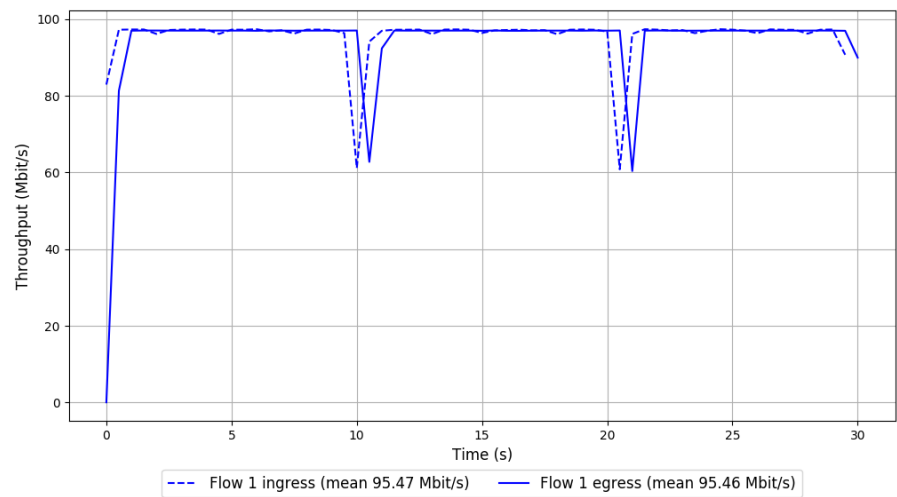


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-25 01:58:02
End at: 2018-07-25 01:58:32
Local clock offset: -2.756 ms
Remote clock offset: -3.145 ms

Below is generated by plot.py at 2018-07-25 02:59:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.46 Mbit/s
95th percentile per-packet one-way delay: 12.728 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 95.46 Mbit/s
95th percentile per-packet one-way delay: 12.728 ms
Loss rate: 0.05%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-25 02:17:05

End at: 2018-07-25 02:17:35

Local clock offset: -2.07 ms

Remote clock offset: -2.719 ms

Below is generated by plot.py at 2018-07-25 02:59:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.64 Mbit/s

95th percentile per-packet one-way delay: 12.724 ms

Loss rate: 0.05%

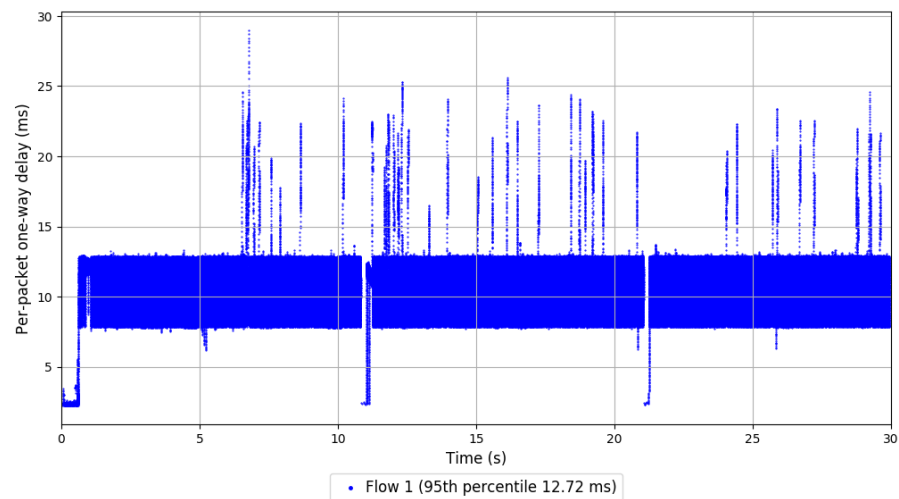
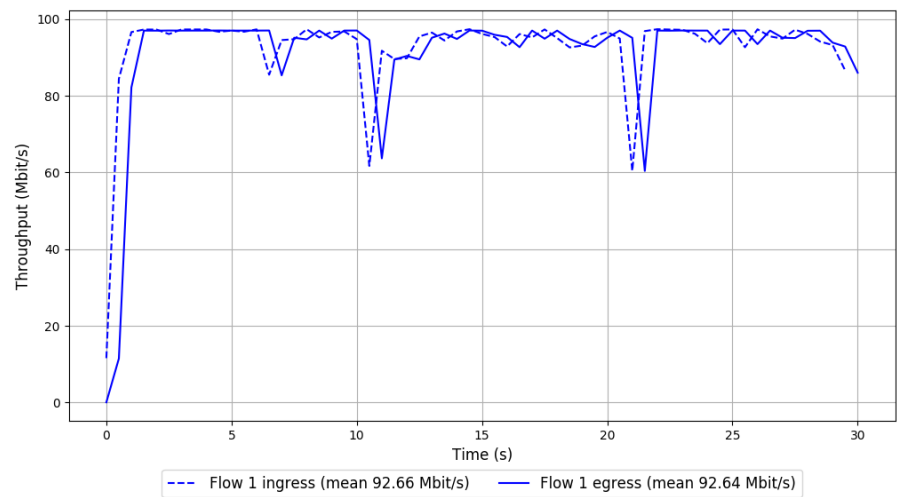
-- Flow 1:

Average throughput: 92.64 Mbit/s

95th percentile per-packet one-way delay: 12.724 ms

Loss rate: 0.05%

Run 9: Report of FillP-Sheep — Data Link

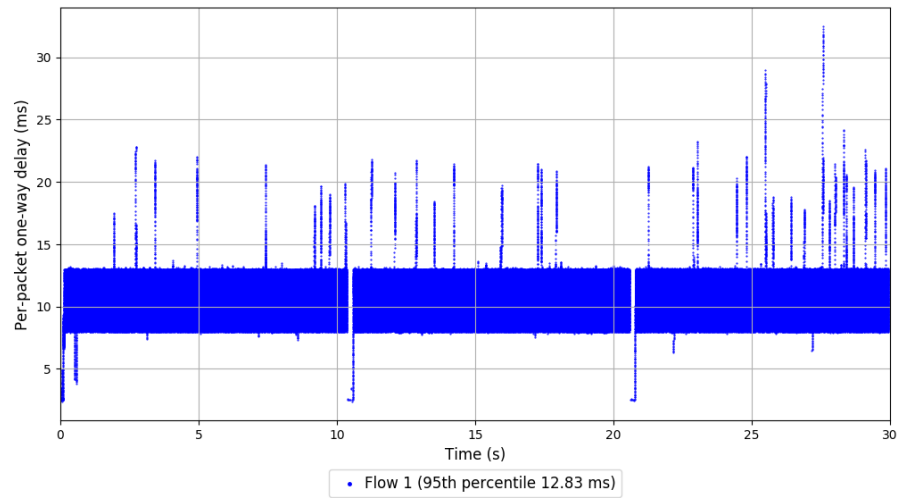
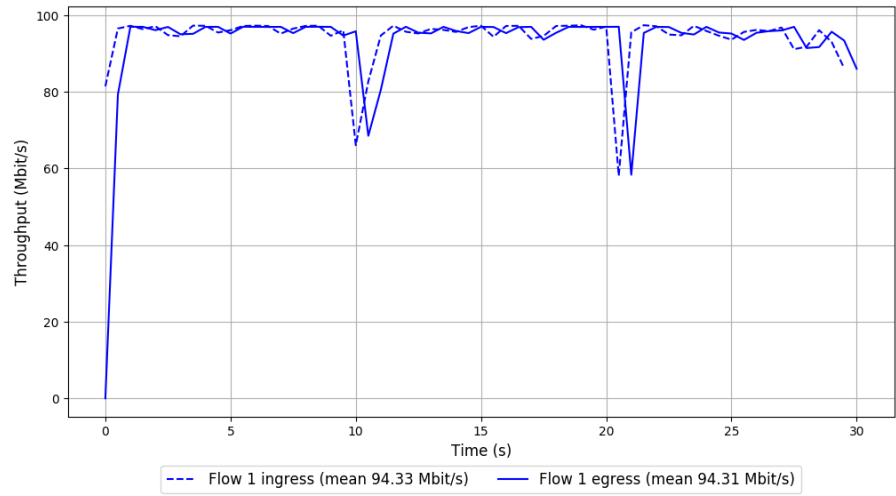


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-25 02:36:06
End at: 2018-07-25 02:36:36
Local clock offset: -1.866 ms
Remote clock offset: -1.932 ms

Below is generated by plot.py at 2018-07-25 02:59:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.31 Mbit/s
95th percentile per-packet one-way delay: 12.832 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 94.31 Mbit/s
95th percentile per-packet one-way delay: 12.832 ms
Loss rate: 0.04%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-07-24 23:53:55

End at: 2018-07-24 23:54:25

Local clock offset: -2.625 ms

Remote clock offset: -2.729 ms

Below is generated by plot.py at 2018-07-25 02:59:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.11 Mbit/s

95th percentile per-packet one-way delay: 5.554 ms

Loss rate: 0.03%

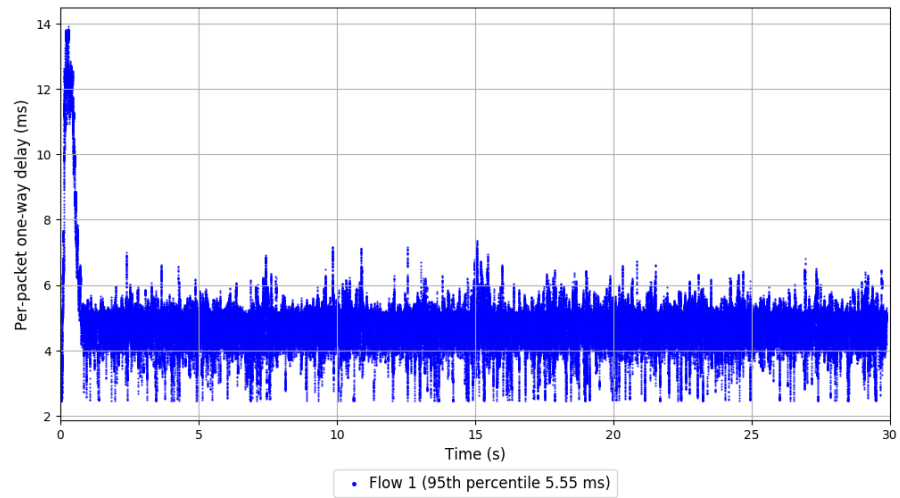
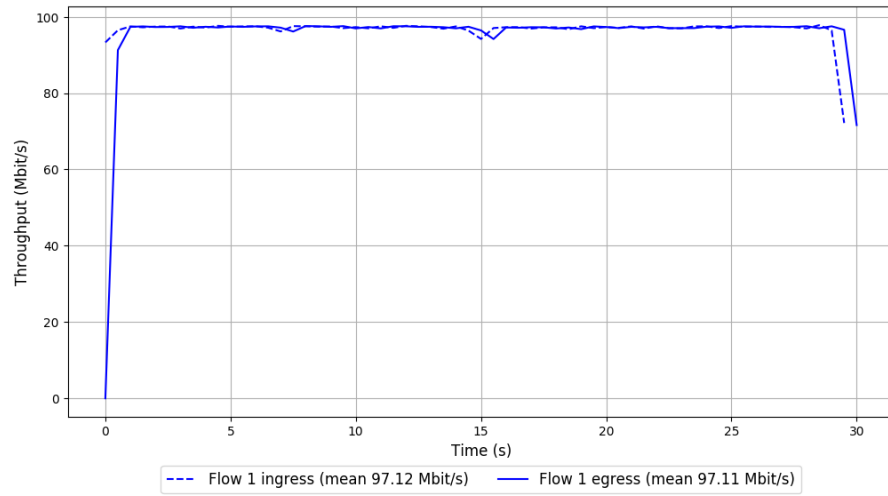
-- Flow 1:

Average throughput: 97.11 Mbit/s

95th percentile per-packet one-way delay: 5.554 ms

Loss rate: 0.03%

Run 1: Report of Indigo — Data Link

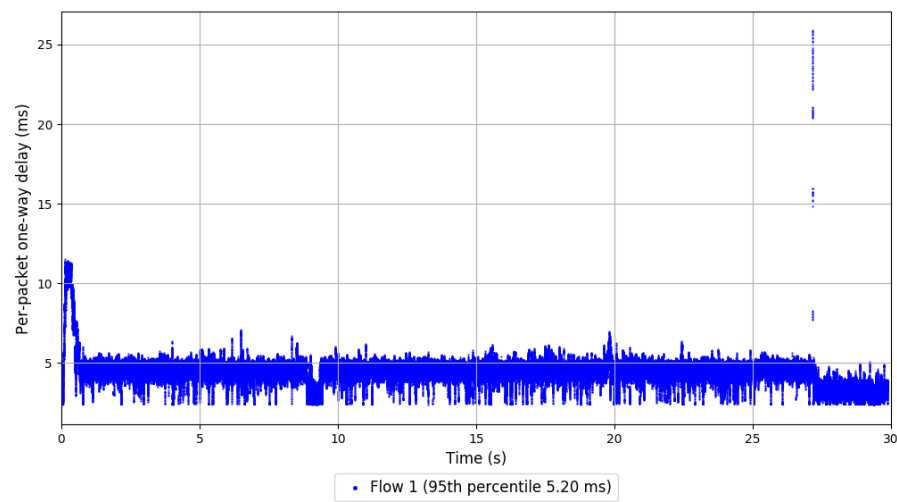
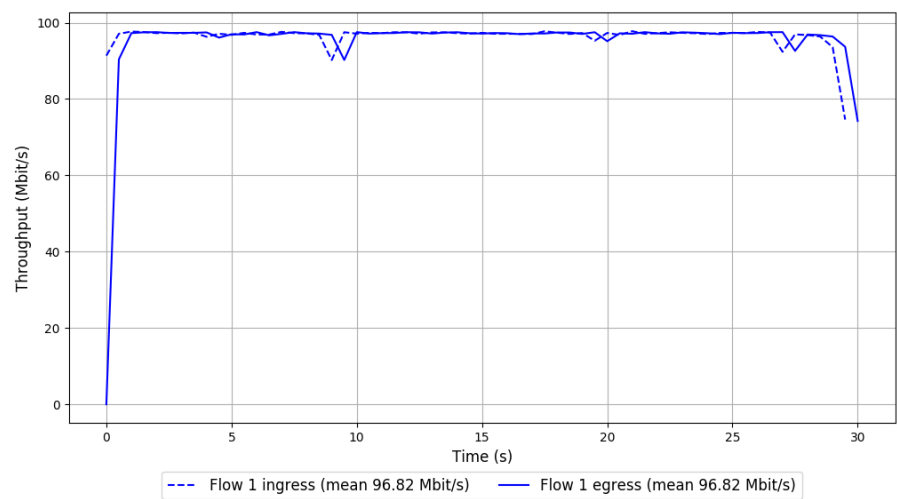


Run 2: Statistics of Indigo

Start at: 2018-07-25 00:12:57
End at: 2018-07-25 00:13:27
Local clock offset: -2.685 ms
Remote clock offset: -3.142 ms

Below is generated by plot.py at 2018-07-25 02:59:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: 5.196 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: 5.196 ms
Loss rate: 0.02%

Run 2: Report of Indigo — Data Link

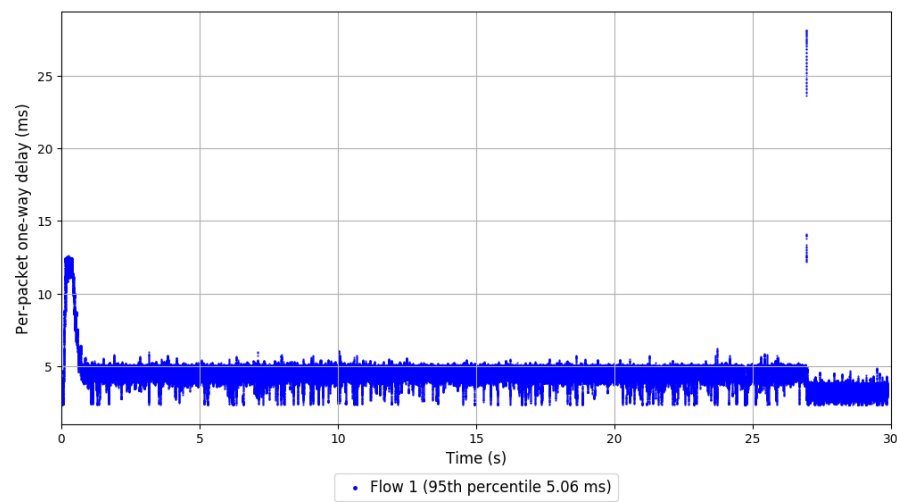
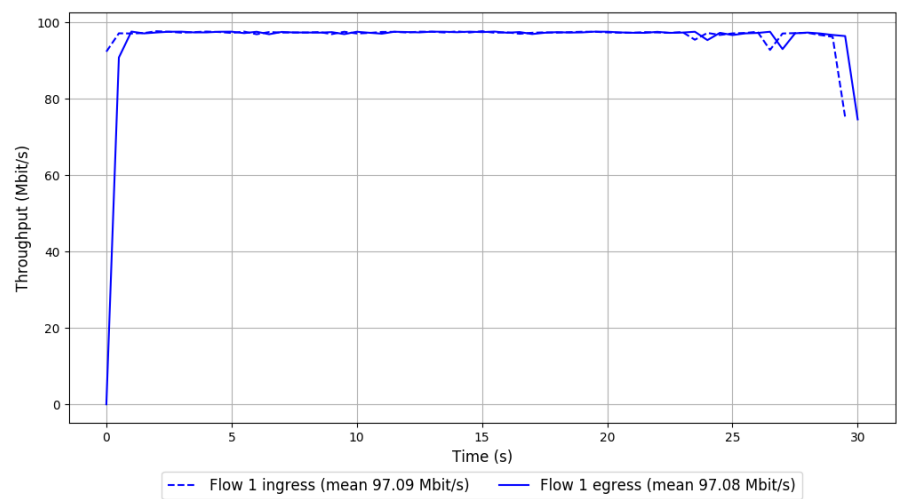


Run 3: Statistics of Indigo

Start at: 2018-07-25 00:31:54
End at: 2018-07-25 00:32:24
Local clock offset: -2.738 ms
Remote clock offset: -3.233 ms

Below is generated by plot.py at 2018-07-25 02:59:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 5.062 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 5.062 ms
Loss rate: 0.02%

Run 3: Report of Indigo — Data Link

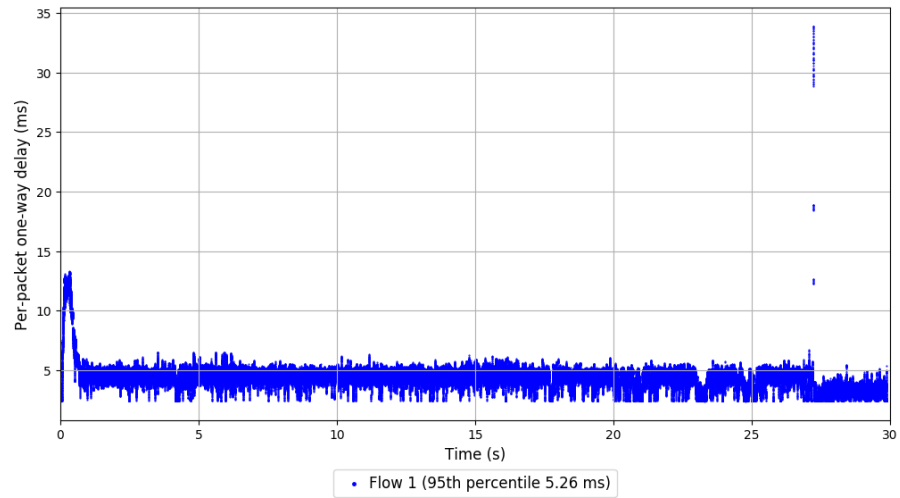
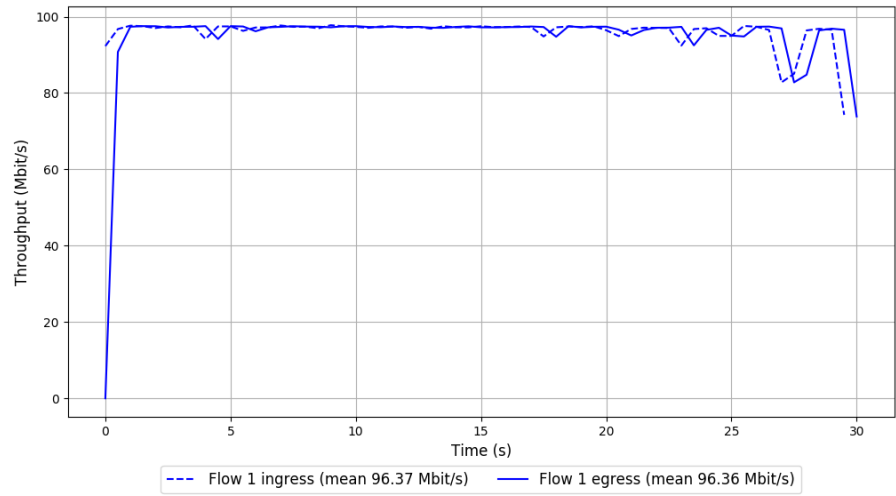


Run 4: Statistics of Indigo

Start at: 2018-07-25 00:50:56
End at: 2018-07-25 00:51:26
Local clock offset: -2.77 ms
Remote clock offset: -3.368 ms

Below is generated by plot.py at 2018-07-25 02:59:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.36 Mbit/s
95th percentile per-packet one-way delay: 5.264 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.36 Mbit/s
95th percentile per-packet one-way delay: 5.264 ms
Loss rate: 0.02%

Run 4: Report of Indigo — Data Link

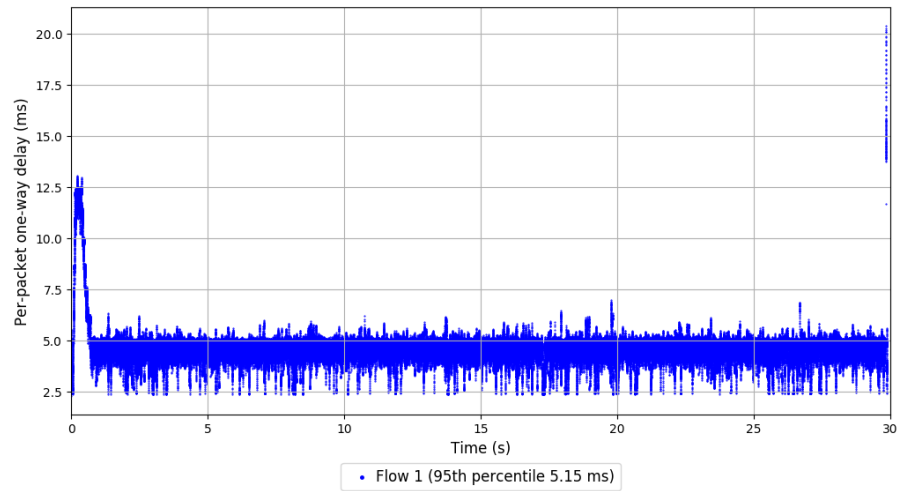
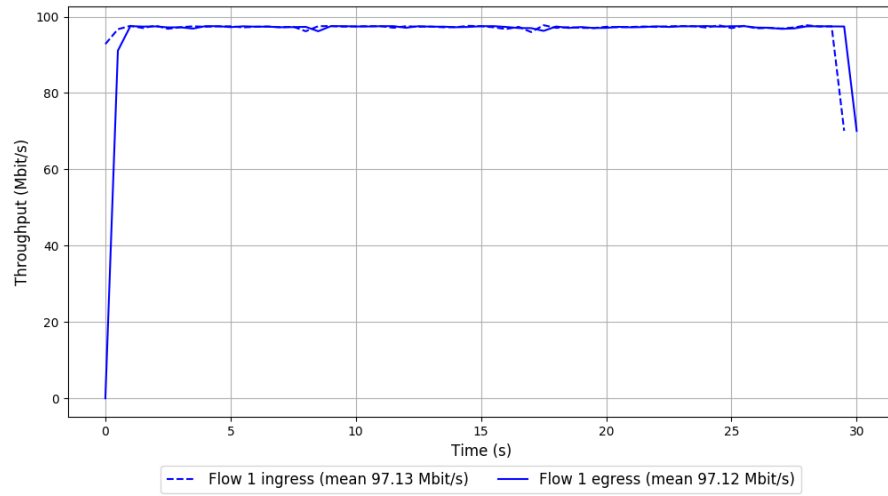


Run 5: Statistics of Indigo

Start at: 2018-07-25 01:09:56
End at: 2018-07-25 01:10:26
Local clock offset: -2.857 ms
Remote clock offset: -3.056 ms

Below is generated by plot.py at 2018-07-25 03:00:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 5.152 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 5.152 ms
Loss rate: 0.02%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-25 01:28:55

End at: 2018-07-25 01:29:25

Local clock offset: -2.908 ms

Remote clock offset: -2.7 ms

Below is generated by plot.py at 2018-07-25 03:00:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.08 Mbit/s

95th percentile per-packet one-way delay: 5.139 ms

Loss rate: 0.02%

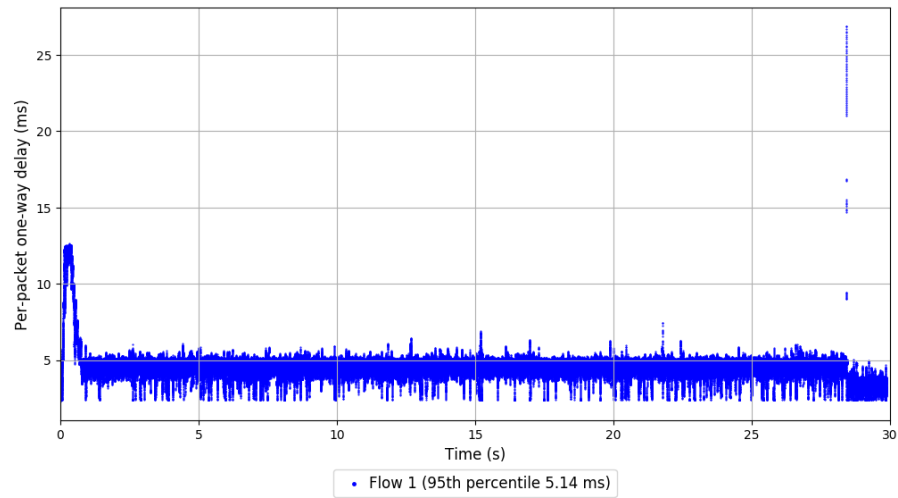
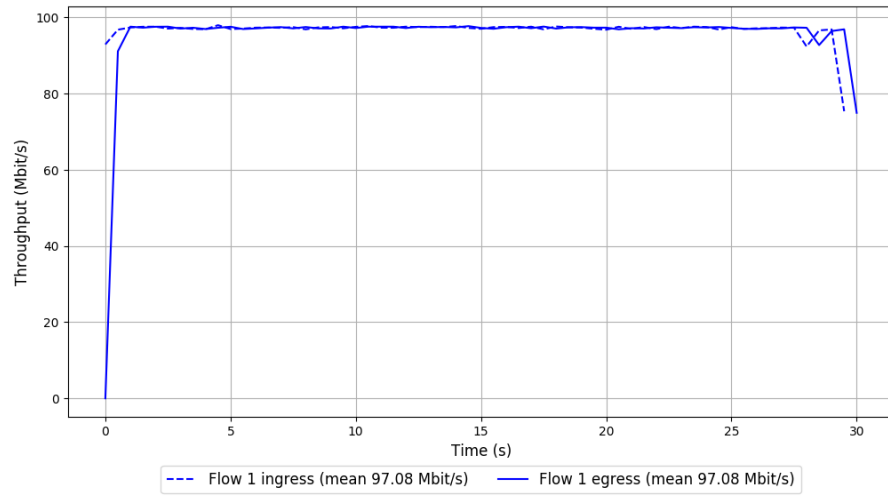
-- Flow 1:

Average throughput: 97.08 Mbit/s

95th percentile per-packet one-way delay: 5.139 ms

Loss rate: 0.02%

Run 6: Report of Indigo — Data Link

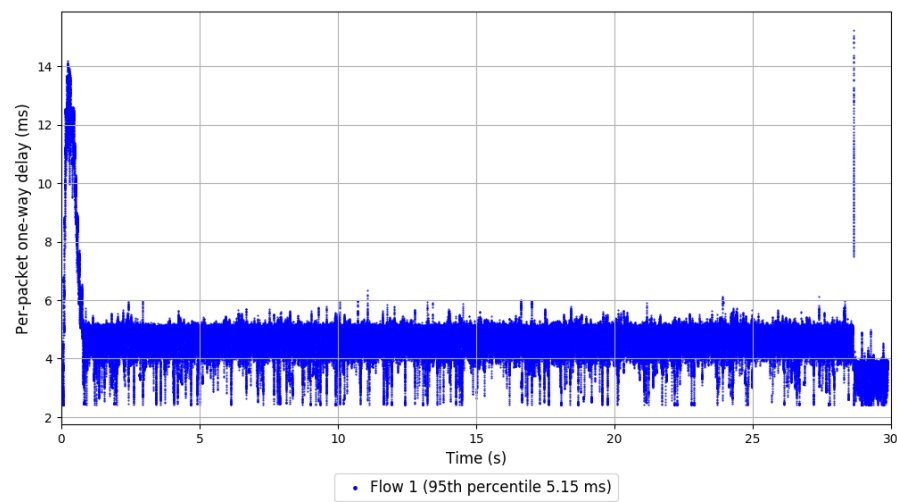
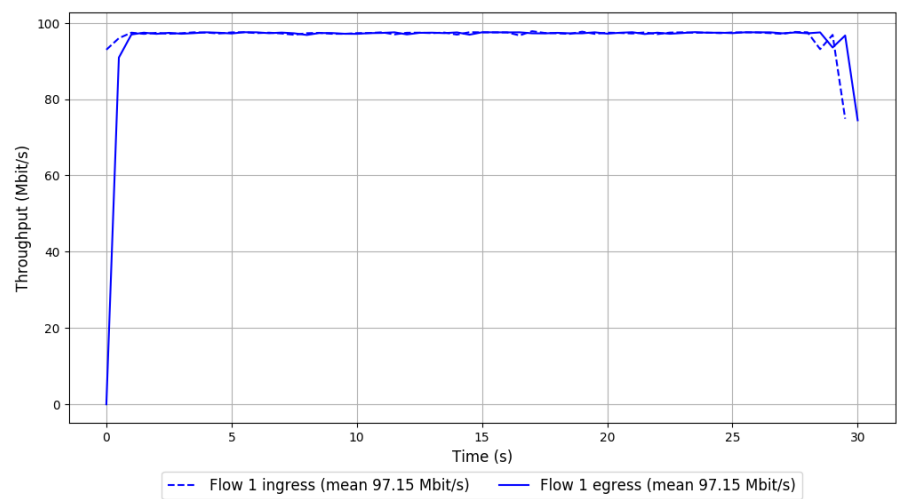


Run 7: Statistics of Indigo

Start at: 2018-07-25 01:47:58
End at: 2018-07-25 01:48:28
Local clock offset: -2.762 ms
Remote clock offset: -3.022 ms

Below is generated by plot.py at 2018-07-25 03:00:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 5.154 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 5.154 ms
Loss rate: 0.02%

Run 7: Report of Indigo — Data Link

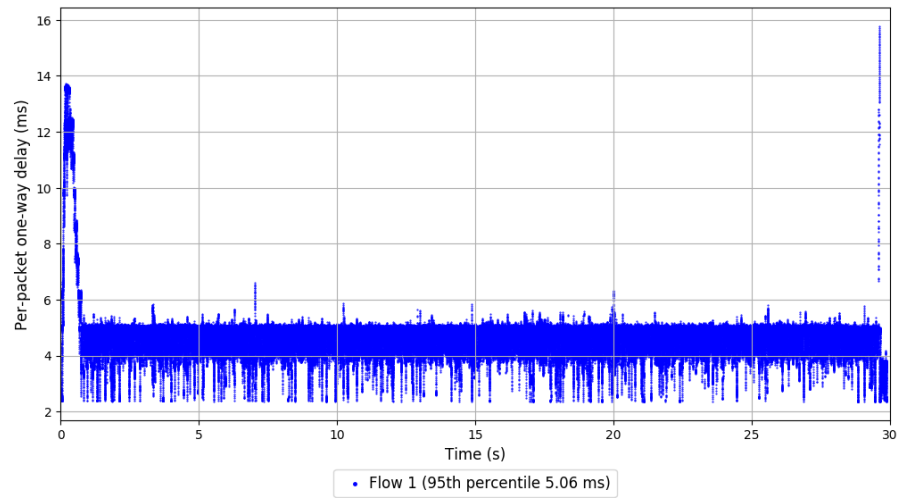
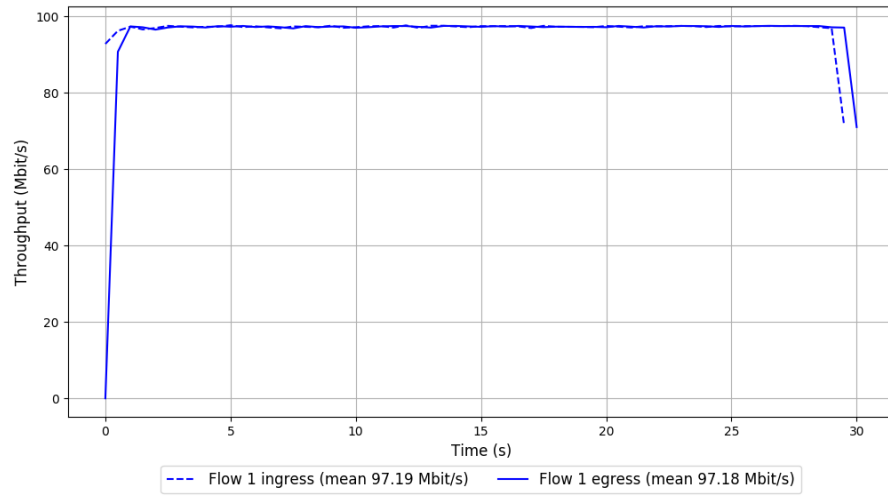


Run 8: Statistics of Indigo

Start at: 2018-07-25 02:07:00
End at: 2018-07-25 02:07:30
Local clock offset: -2.371 ms
Remote clock offset: -3.158 ms

Below is generated by plot.py at 2018-07-25 03:00:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 5.062 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 5.062 ms
Loss rate: 0.02%

Run 8: Report of Indigo — Data Link

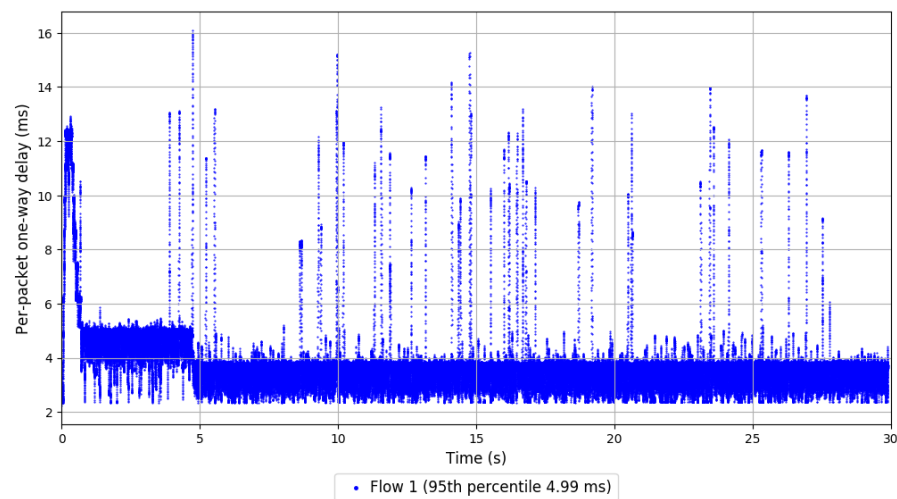
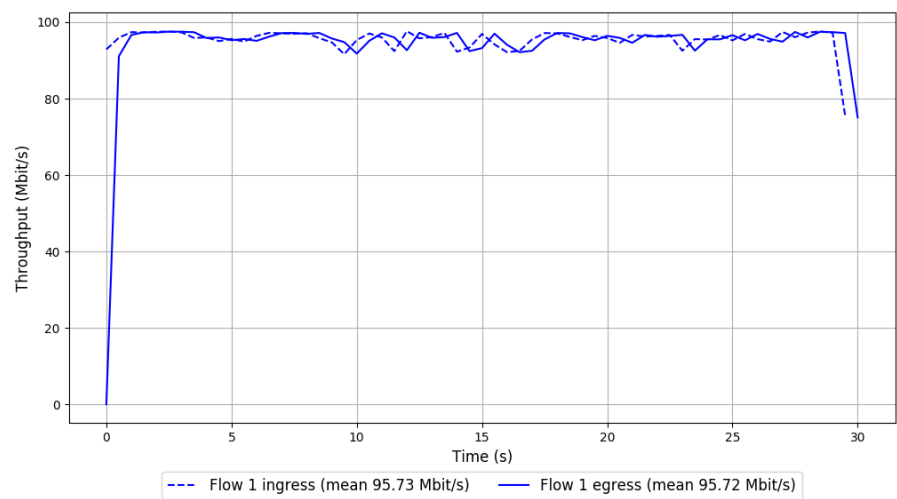


Run 9: Statistics of Indigo

Start at: 2018-07-25 02:26:02
End at: 2018-07-25 02:26:32
Local clock offset: -1.838 ms
Remote clock offset: -2.126 ms

Below is generated by plot.py at 2018-07-25 03:00:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.72 Mbit/s
95th percentile per-packet one-way delay: 4.993 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 95.72 Mbit/s
95th percentile per-packet one-way delay: 4.993 ms
Loss rate: 0.02%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-25 02:45:03

End at: 2018-07-25 02:45:33

Local clock offset: -2.022 ms

Remote clock offset: -1.713 ms

Below is generated by plot.py at 2018-07-25 03:00:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.62 Mbit/s

95th percentile per-packet one-way delay: 4.778 ms

Loss rate: 0.02%

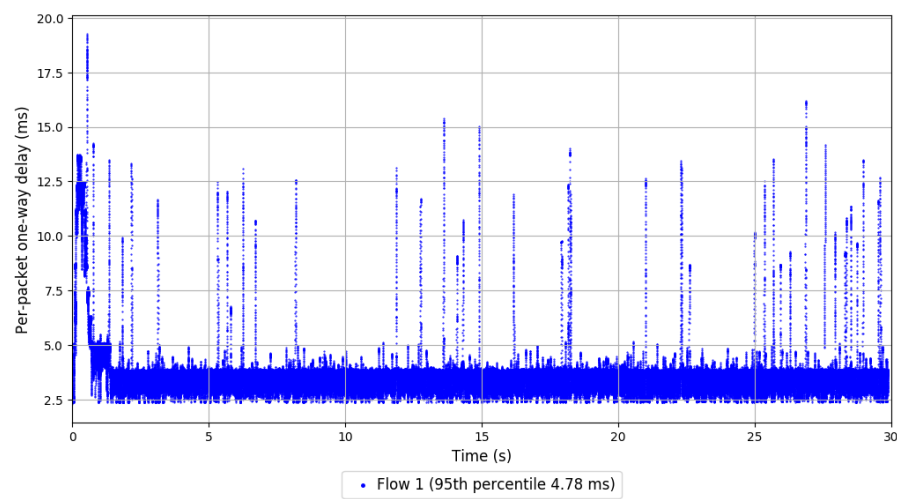
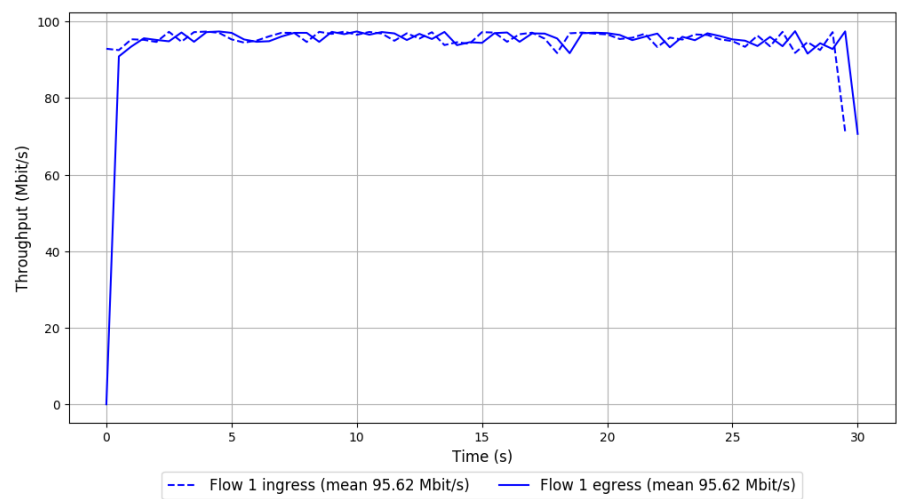
-- Flow 1:

Average throughput: 95.62 Mbit/s

95th percentile per-packet one-way delay: 4.778 ms

Loss rate: 0.02%

Run 10: Report of Indigo — Data Link

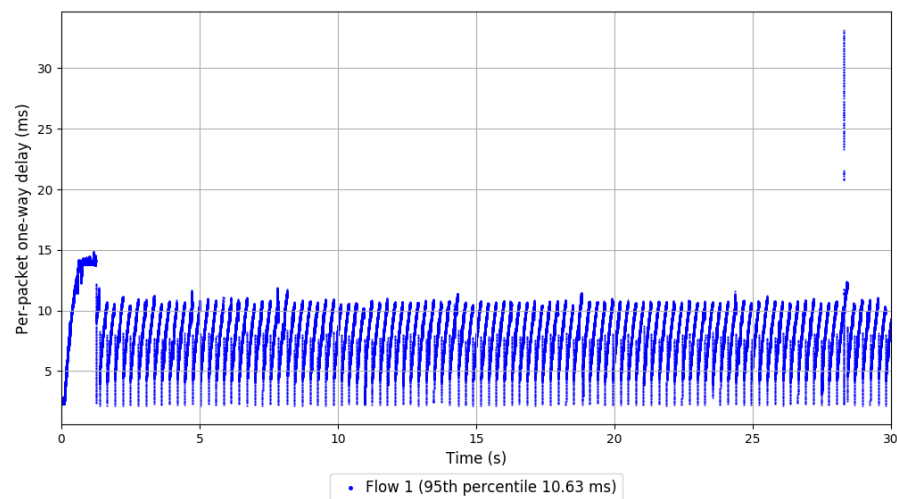
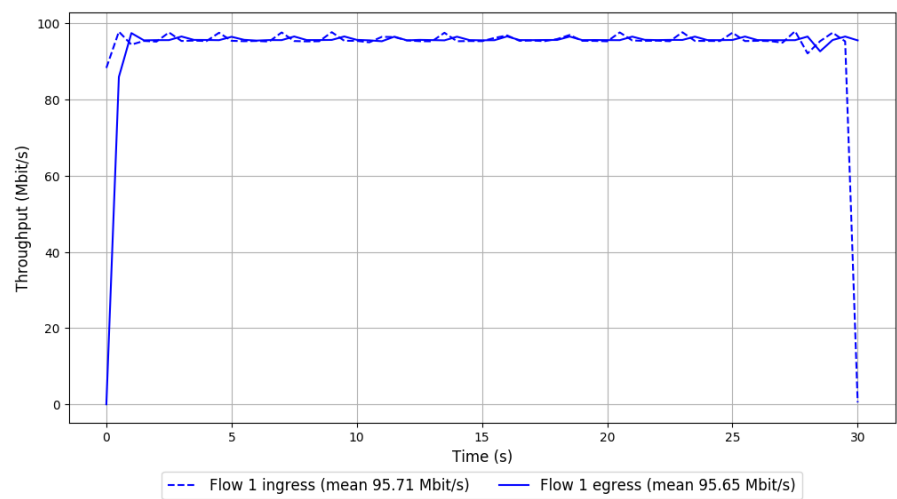


Run 1: Statistics of LEDBAT

Start at: 2018-07-24 23:48:19
End at: 2018-07-24 23:48:49
Local clock offset: -2.733 ms
Remote clock offset: -2.688 ms

Below is generated by plot.py at 2018-07-25 03:00:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 10.630 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 10.630 ms
Loss rate: 0.08%

Run 1: Report of LEDBAT — Data Link

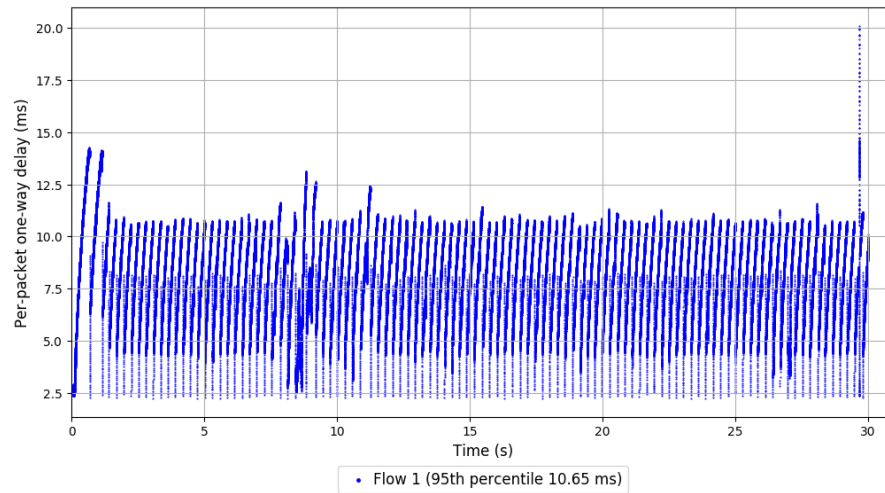
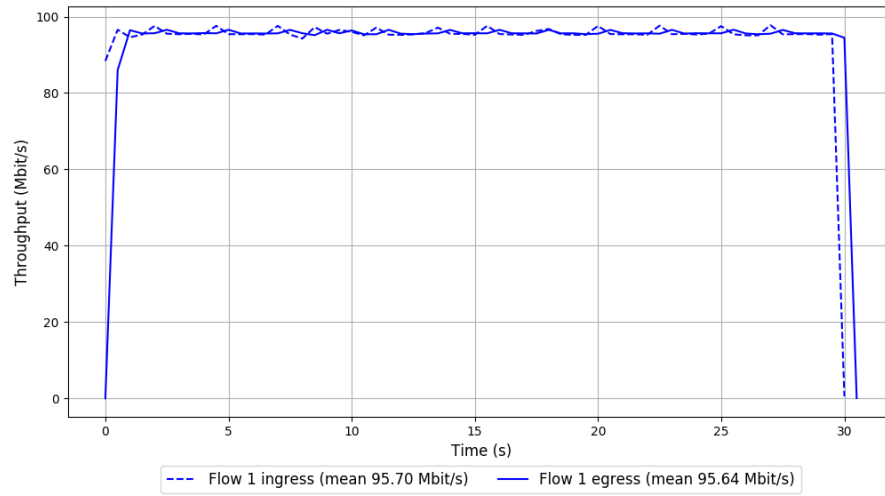


Run 2: Statistics of LEDBAT

Start at: 2018-07-25 00:07:21
End at: 2018-07-25 00:07:51
Local clock offset: -2.624 ms
Remote clock offset: -2.986 ms

Below is generated by plot.py at 2018-07-25 03:00:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.64 Mbit/s
95th percentile per-packet one-way delay: 10.649 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 95.64 Mbit/s
95th percentile per-packet one-way delay: 10.649 ms
Loss rate: 0.08%

Run 2: Report of LEDBAT — Data Link

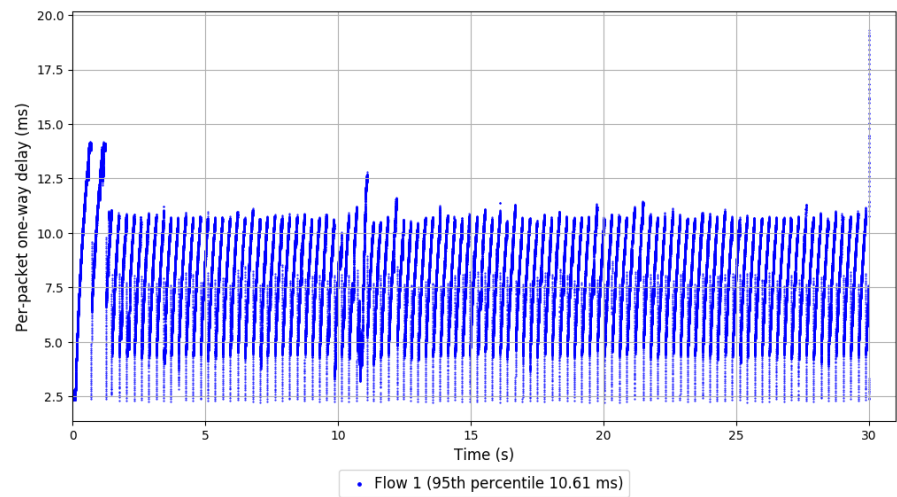
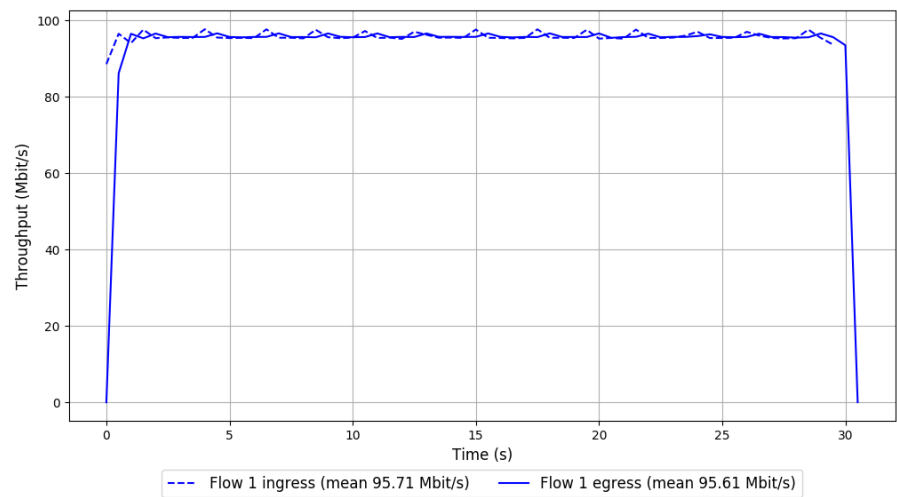


Run 3: Statistics of LEDBAT

Start at: 2018-07-25 00:26:18
End at: 2018-07-25 00:26:49
Local clock offset: -2.714 ms
Remote clock offset: -3.156 ms

Below is generated by plot.py at 2018-07-25 03:01:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 10.610 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 10.610 ms
Loss rate: 0.08%

Run 3: Report of LEDBAT — Data Link

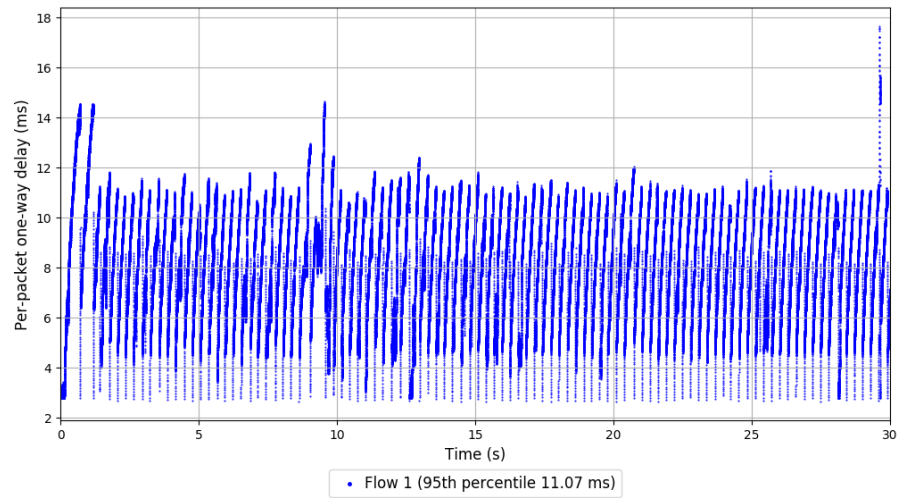
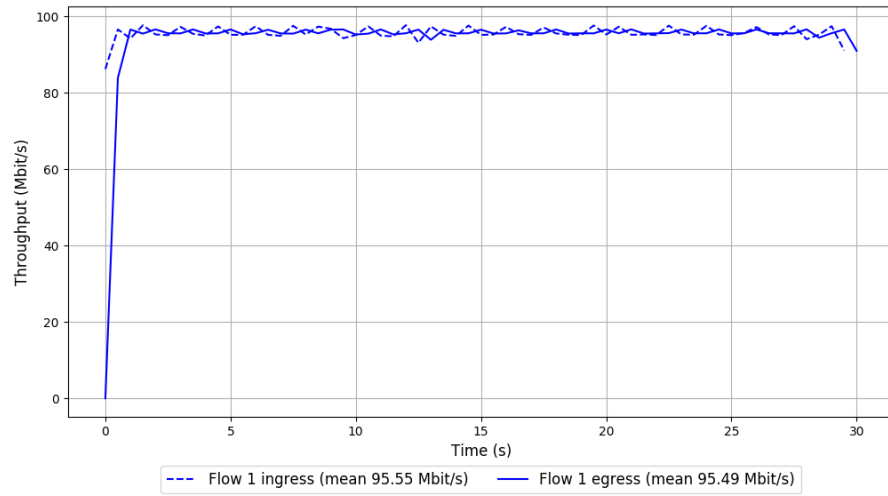


Run 4: Statistics of LEDBAT

Start at: 2018-07-25 00:45:21
End at: 2018-07-25 00:45:51
Local clock offset: -2.748 ms
Remote clock offset: -3.269 ms

Below is generated by plot.py at 2018-07-25 03:01:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.49 Mbit/s
95th percentile per-packet one-way delay: 11.072 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 95.49 Mbit/s
95th percentile per-packet one-way delay: 11.072 ms
Loss rate: 0.07%

Run 4: Report of LEDBAT — Data Link

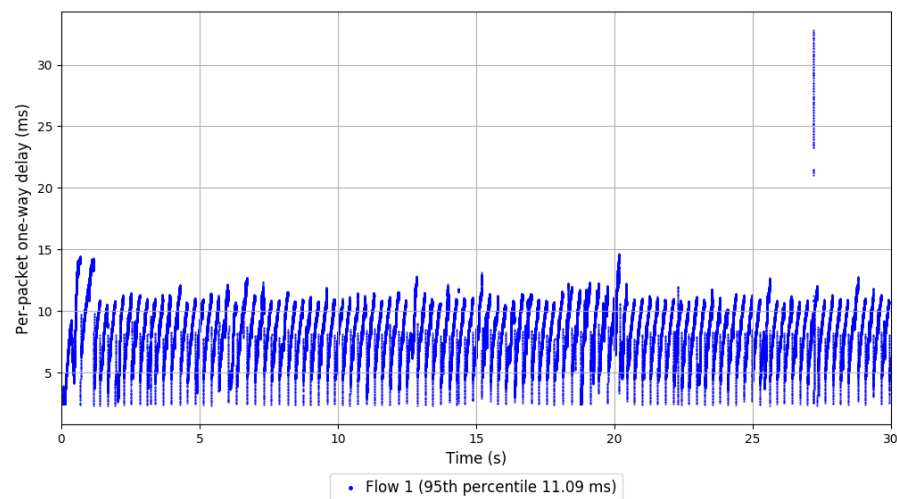
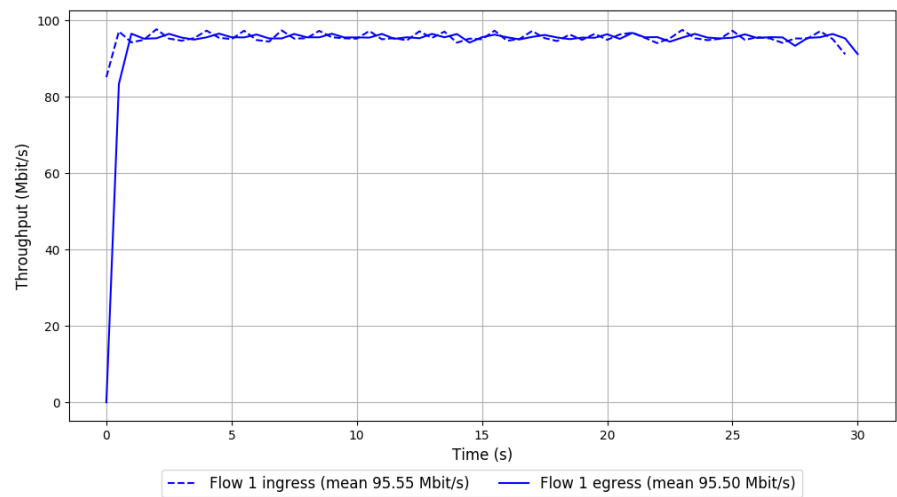


Run 5: Statistics of LEDBAT

Start at: 2018-07-25 01:04:21
End at: 2018-07-25 01:04:51
Local clock offset: -2.806 ms
Remote clock offset: -3.438 ms

Below is generated by plot.py at 2018-07-25 03:01:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.50 Mbit/s
95th percentile per-packet one-way delay: 11.094 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 95.50 Mbit/s
95th percentile per-packet one-way delay: 11.094 ms
Loss rate: 0.07%

Run 5: Report of LEDBAT — Data Link

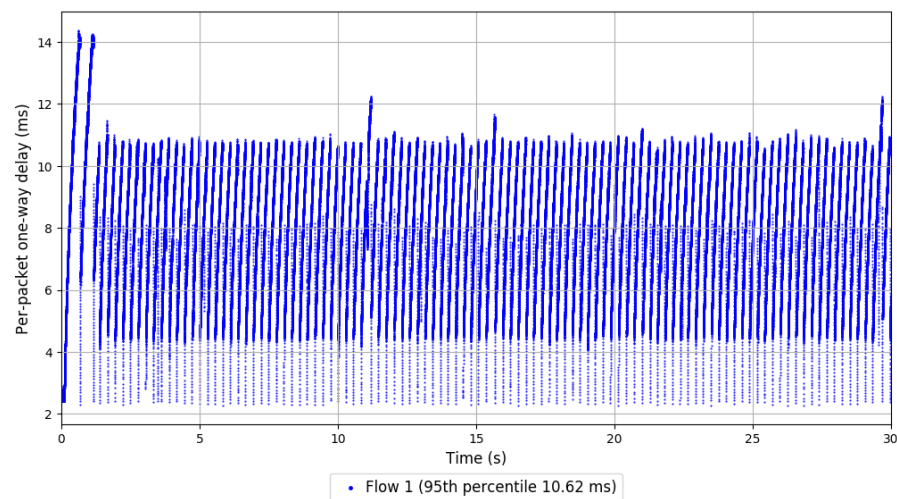
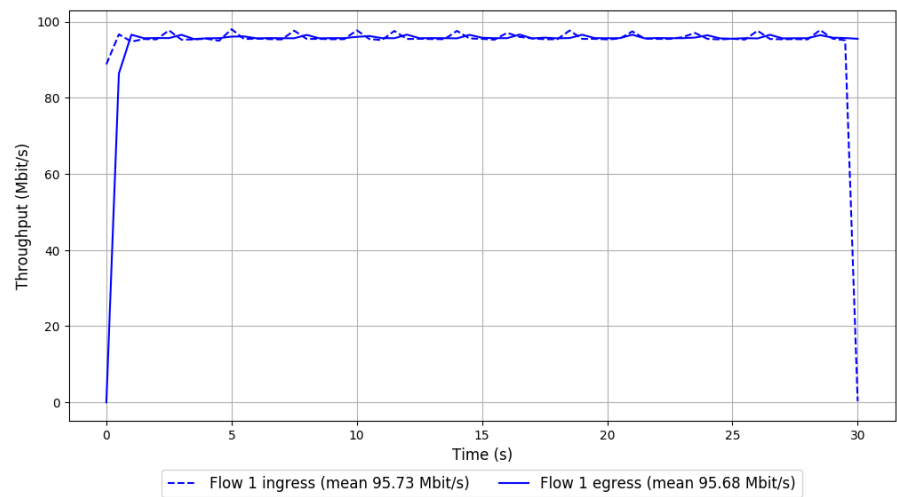


Run 6: Statistics of LEDBAT

Start at: 2018-07-25 01:23:20
End at: 2018-07-25 01:23:50
Local clock offset: -2.901 ms
Remote clock offset: -2.796 ms

Below is generated by plot.py at 2018-07-25 03:01:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: 10.625 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: 10.625 ms
Loss rate: 0.07%

Run 6: Report of LEDBAT — Data Link

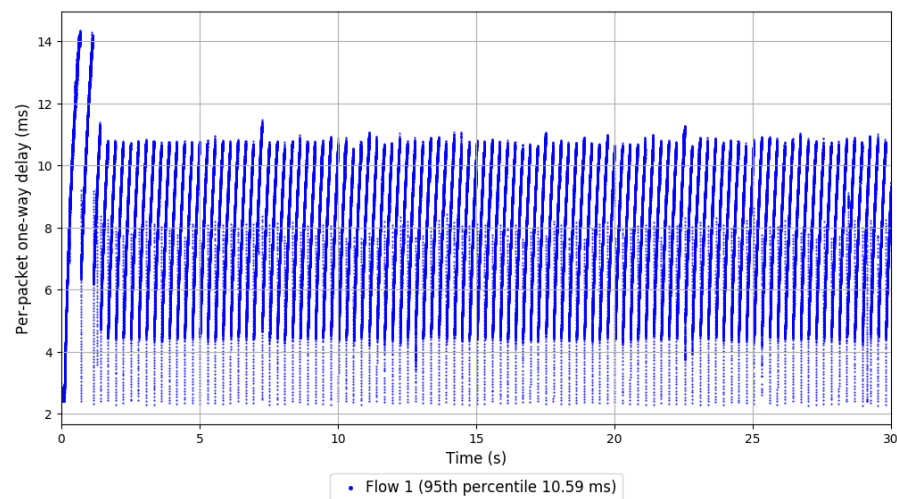
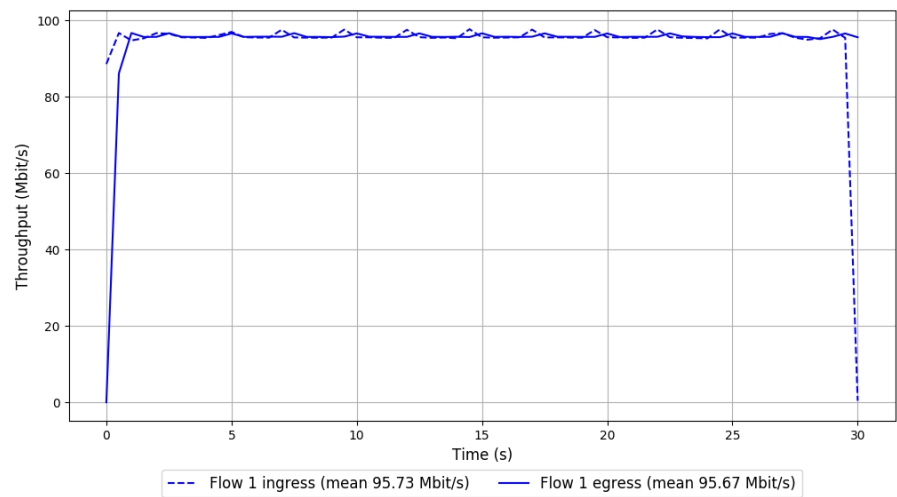


Run 7: Statistics of LEDBAT

Start at: 2018-07-25 01:42:22
End at: 2018-07-25 01:42:52
Local clock offset: -2.874 ms
Remote clock offset: -2.926 ms

Below is generated by plot.py at 2018-07-25 03:01:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.67 Mbit/s
95th percentile per-packet one-way delay: 10.591 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 95.67 Mbit/s
95th percentile per-packet one-way delay: 10.591 ms
Loss rate: 0.08%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-25 02:01:24

End at: 2018-07-25 02:01:54

Local clock offset: -2.744 ms

Remote clock offset: -3.18 ms

Below is generated by plot.py at 2018-07-25 03:01:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.61 Mbit/s

95th percentile per-packet one-way delay: 10.634 ms

Loss rate: 0.06%

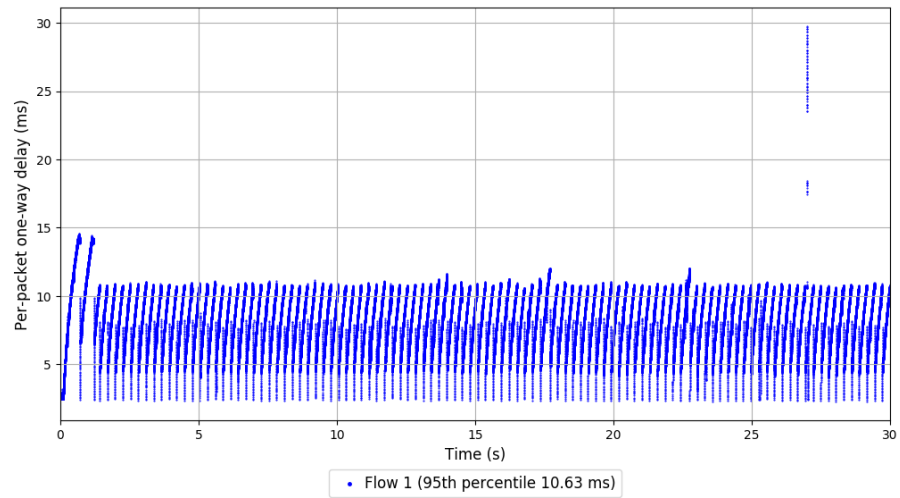
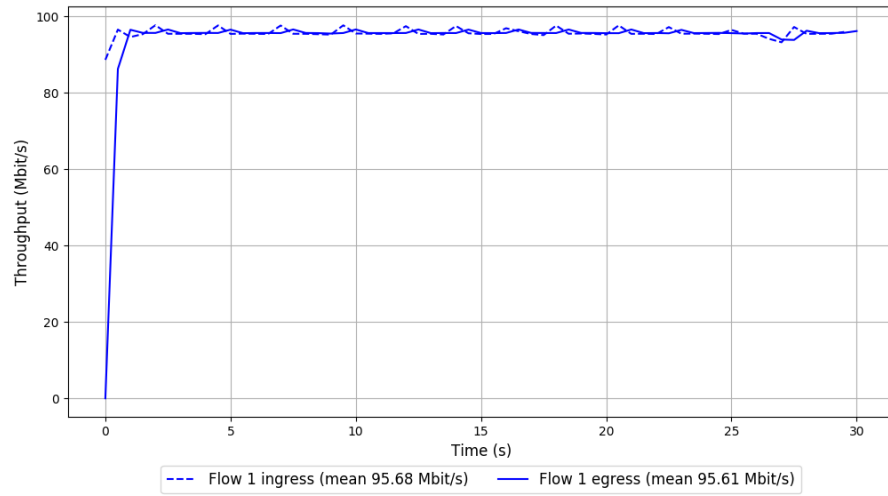
-- Flow 1:

Average throughput: 95.61 Mbit/s

95th percentile per-packet one-way delay: 10.634 ms

Loss rate: 0.06%

Run 8: Report of LEDBAT — Data Link

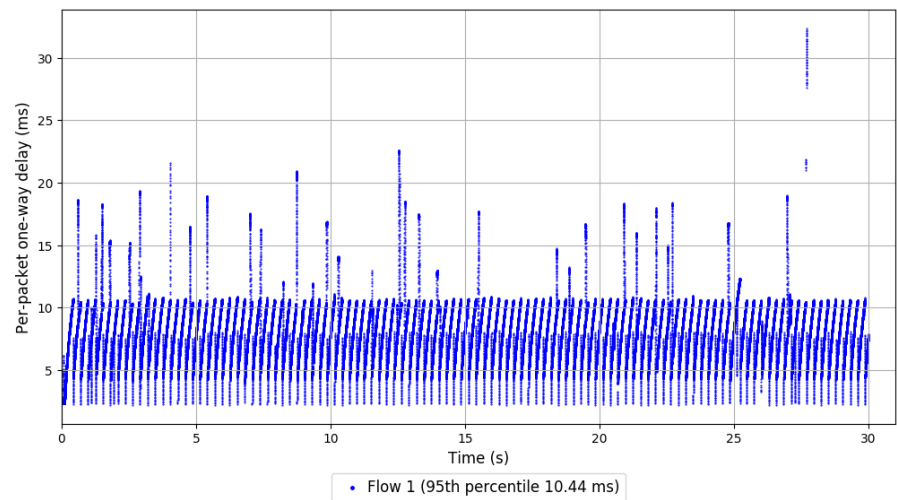
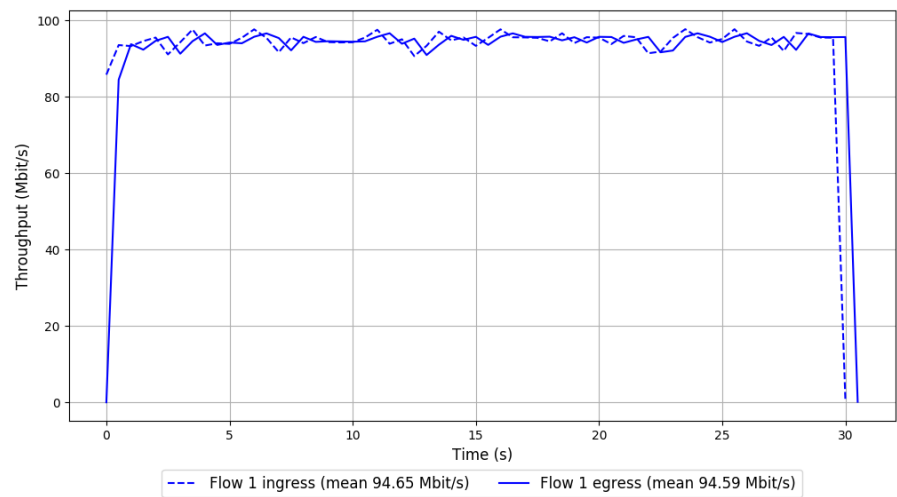


Run 9: Statistics of LEDBAT

Start at: 2018-07-25 02:20:26
End at: 2018-07-25 02:20:57
Local clock offset: -1.953 ms
Remote clock offset: -2.407 ms

Below is generated by plot.py at 2018-07-25 03:01:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.59 Mbit/s
95th percentile per-packet one-way delay: 10.443 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 94.59 Mbit/s
95th percentile per-packet one-way delay: 10.443 ms
Loss rate: 0.08%

Run 9: Report of LEDBAT — Data Link

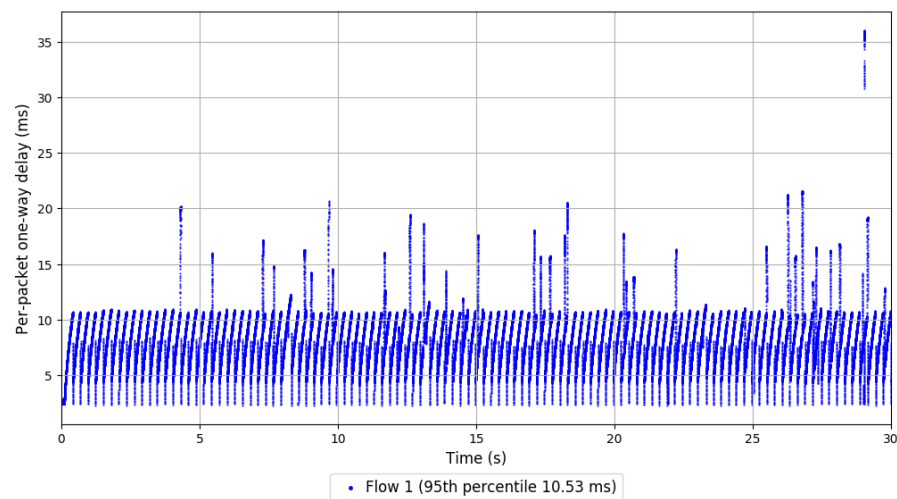
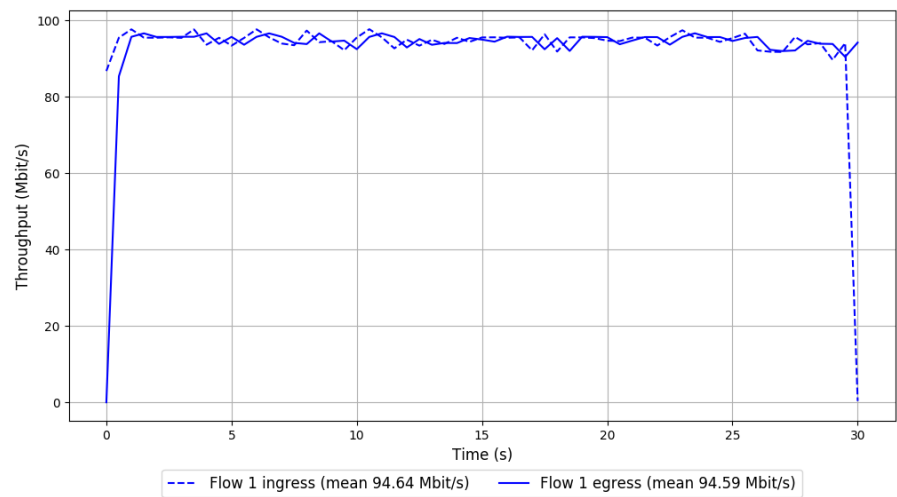


Run 10: Statistics of LEDBAT

Start at: 2018-07-25 02:39:28
End at: 2018-07-25 02:39:58
Local clock offset: -1.925 ms
Remote clock offset: -1.768 ms

Below is generated by plot.py at 2018-07-25 03:01:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.59 Mbit/s
95th percentile per-packet one-way delay: 10.527 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 94.59 Mbit/s
95th percentile per-packet one-way delay: 10.527 ms
Loss rate: 0.07%

Run 10: Report of LEDBAT — Data Link

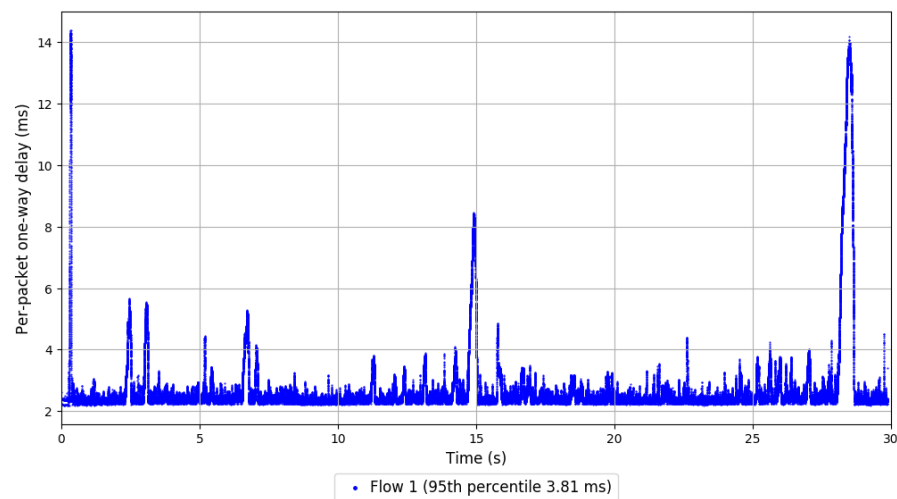
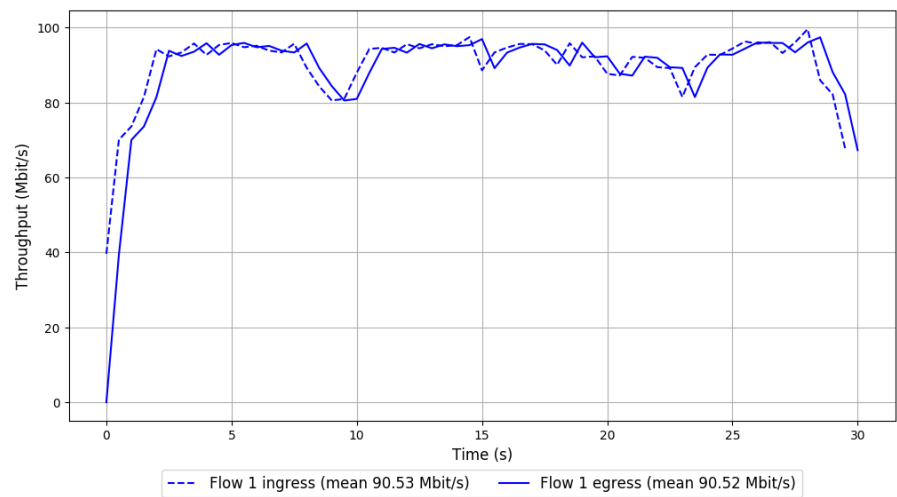


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-24 23:40:30
End at: 2018-07-24 23:41:00
Local clock offset: -2.787 ms
Remote clock offset: -2.762 ms

# Below is generated by plot.py at 2018-07-25 03:02:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.52 Mbit/s
95th percentile per-packet one-way delay: 3.809 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 90.52 Mbit/s
95th percentile per-packet one-way delay: 3.809 ms
Loss rate: 0.02%
```

Run 1: Report of PCC-Allegro — Data Link

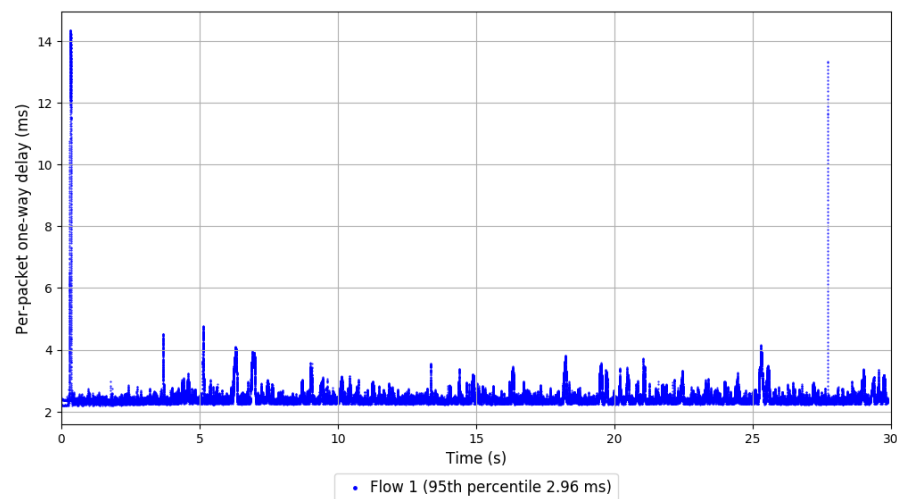
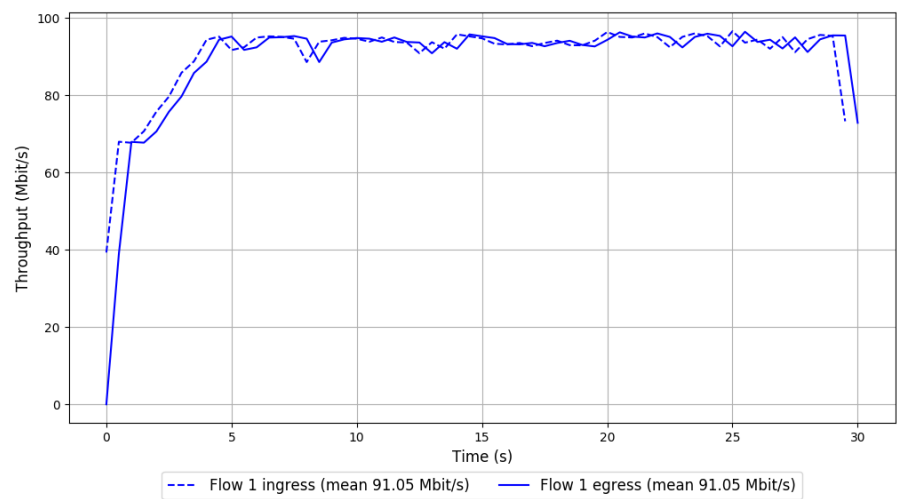


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-24 23:59:31
End at: 2018-07-25 00:00:01
Local clock offset: -2.685 ms
Remote clock offset: -2.858 ms

Below is generated by plot.py at 2018-07-25 03:02:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.05 Mbit/s
95th percentile per-packet one-way delay: 2.958 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 91.05 Mbit/s
95th percentile per-packet one-way delay: 2.958 ms
Loss rate: 0.02%

Run 2: Report of PCC-Allegro — Data Link

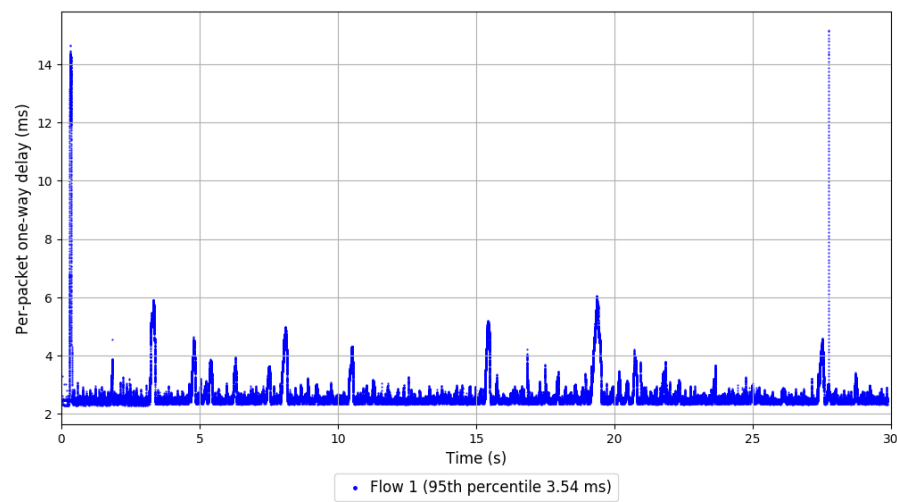
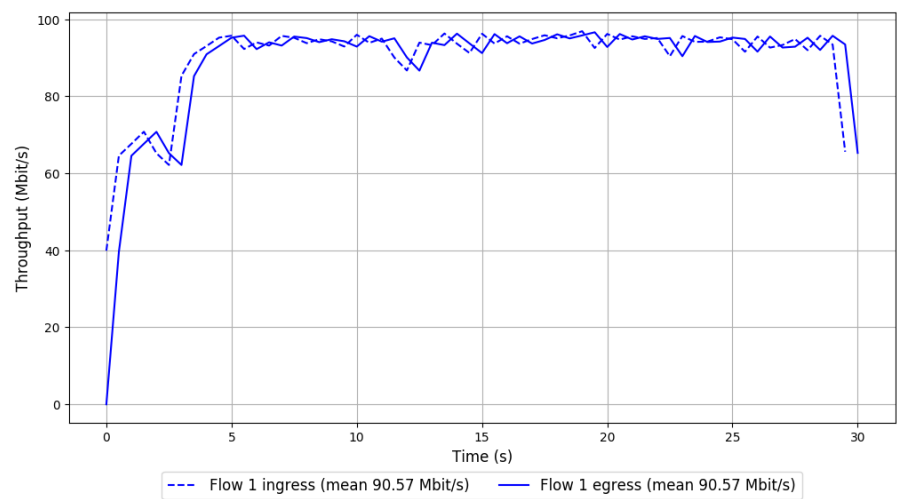


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-25 00:18:29
End at: 2018-07-25 00:18:59
Local clock offset: -2.654 ms
Remote clock offset: -3.159 ms

Below is generated by plot.py at 2018-07-25 03:02:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.57 Mbit/s
95th percentile per-packet one-way delay: 3.538 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 90.57 Mbit/s
95th percentile per-packet one-way delay: 3.538 ms
Loss rate: 0.01%

Run 3: Report of PCC-Allegro — Data Link

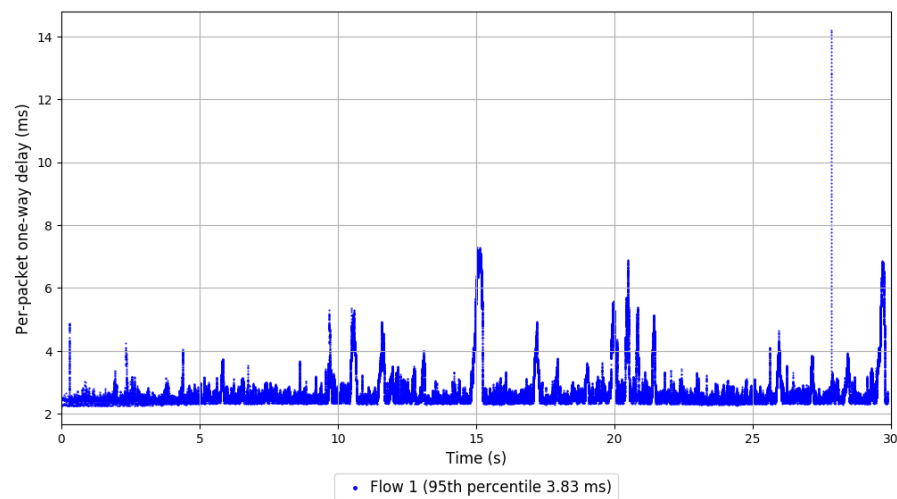
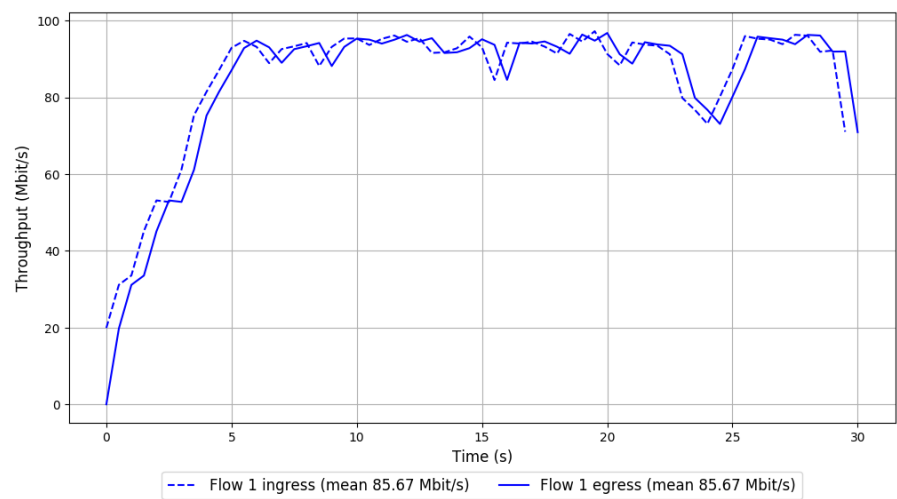


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-25 00:37:31
End at: 2018-07-25 00:38:01
Local clock offset: -2.731 ms
Remote clock offset: -3.292 ms

Below is generated by plot.py at 2018-07-25 03:02:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.67 Mbit/s
95th percentile per-packet one-way delay: 3.830 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 85.67 Mbit/s
95th percentile per-packet one-way delay: 3.830 ms
Loss rate: 0.02%

Run 4: Report of PCC-Allegro — Data Link

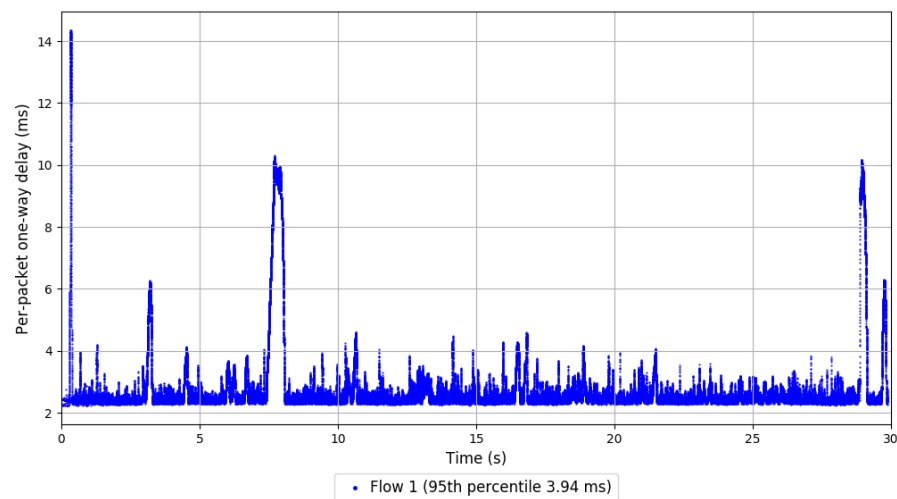
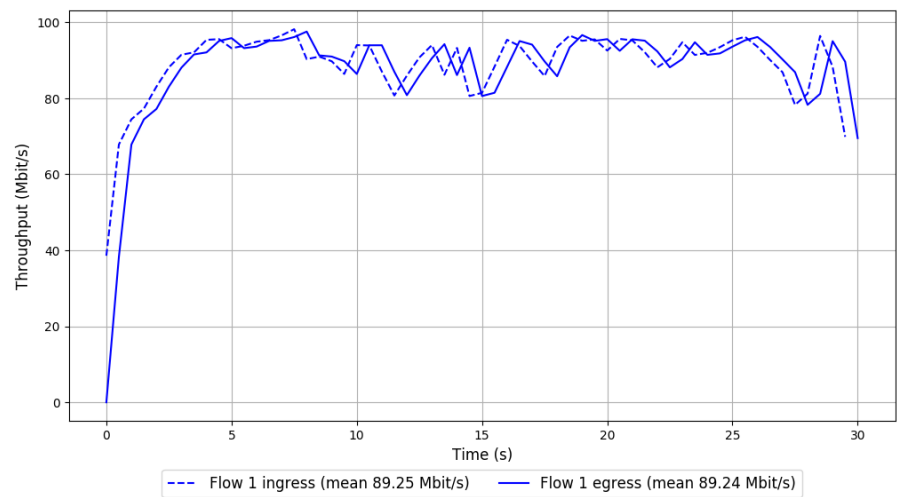


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-25 00:56:31
End at: 2018-07-25 00:57:01
Local clock offset: -2.785 ms
Remote clock offset: -3.364 ms

Below is generated by plot.py at 2018-07-25 03:02:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.24 Mbit/s
95th percentile per-packet one-way delay: 3.936 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.24 Mbit/s
95th percentile per-packet one-way delay: 3.936 ms
Loss rate: 0.02%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-25 01:15:30

End at: 2018-07-25 01:16:00

Local clock offset: -2.853 ms

Remote clock offset: -2.991 ms

Below is generated by plot.py at 2018-07-25 03:02:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.24 Mbit/s

95th percentile per-packet one-way delay: 3.569 ms

Loss rate: 0.02%

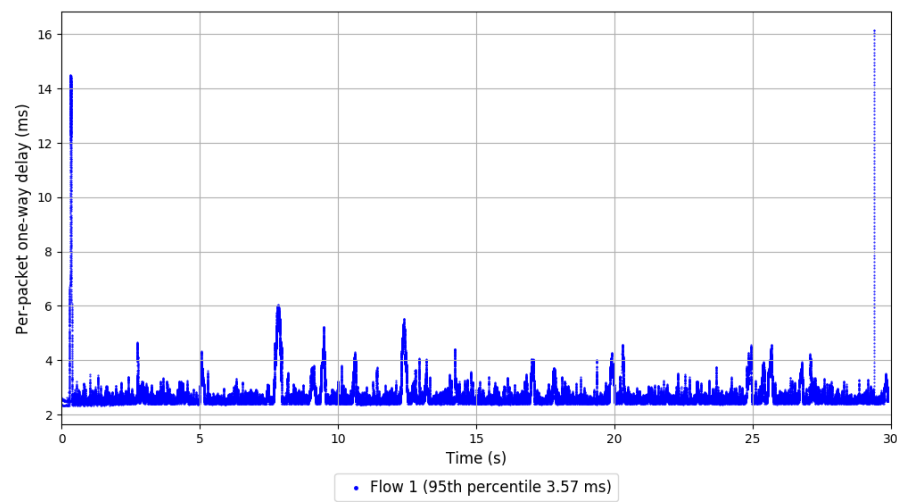
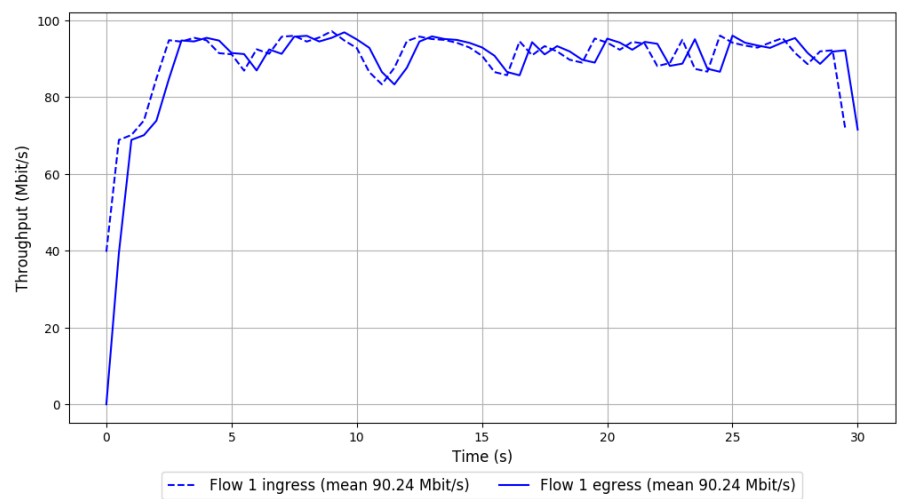
-- Flow 1:

Average throughput: 90.24 Mbit/s

95th percentile per-packet one-way delay: 3.569 ms

Loss rate: 0.02%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-25 01:34:33

End at: 2018-07-25 01:35:03

Local clock offset: -2.849 ms

Remote clock offset: -2.683 ms

Below is generated by plot.py at 2018-07-25 03:02:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.29 Mbit/s

95th percentile per-packet one-way delay: 4.578 ms

Loss rate: 0.02%

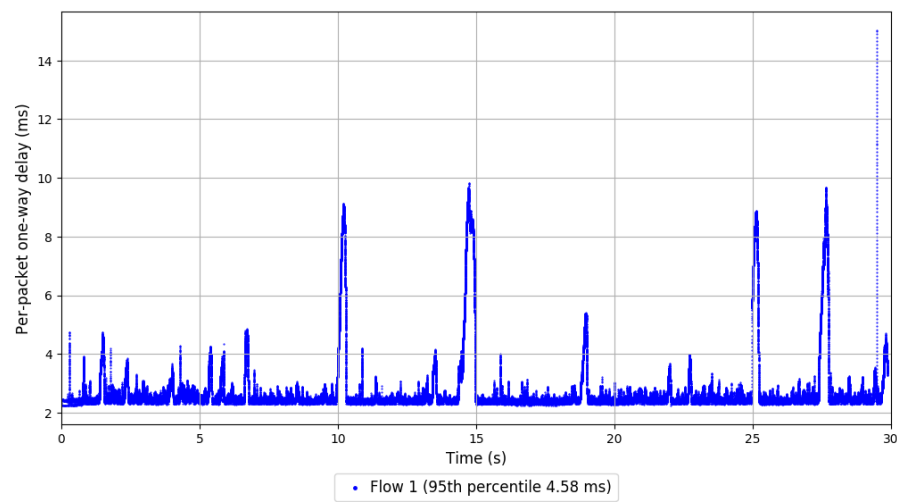
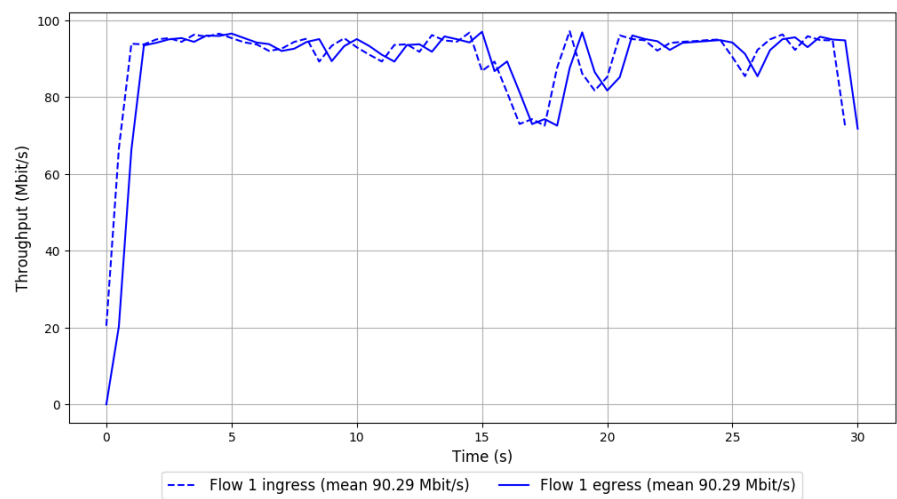
-- Flow 1:

Average throughput: 90.29 Mbit/s

95th percentile per-packet one-way delay: 4.578 ms

Loss rate: 0.02%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-25 01:53:34

End at: 2018-07-25 01:54:04

Local clock offset: -2.752 ms

Remote clock offset: -3.123 ms

Below is generated by plot.py at 2018-07-25 03:02:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.90 Mbit/s

95th percentile per-packet one-way delay: 3.375 ms

Loss rate: 0.02%

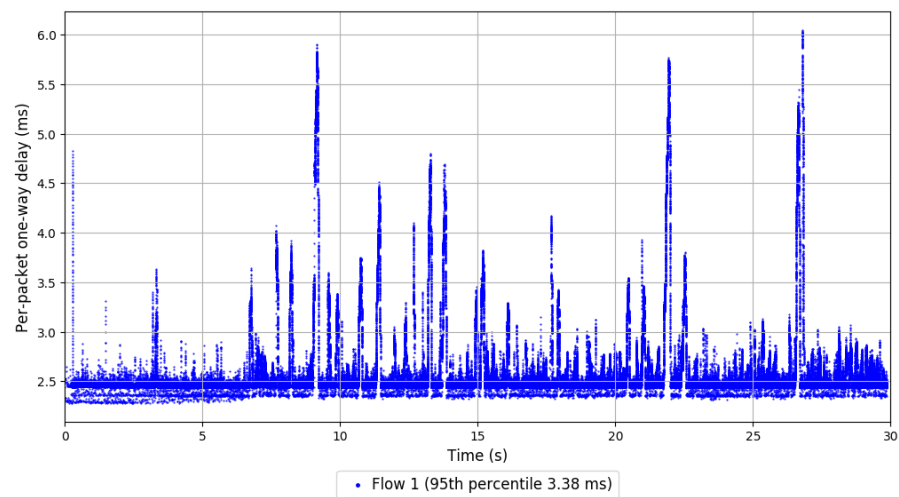
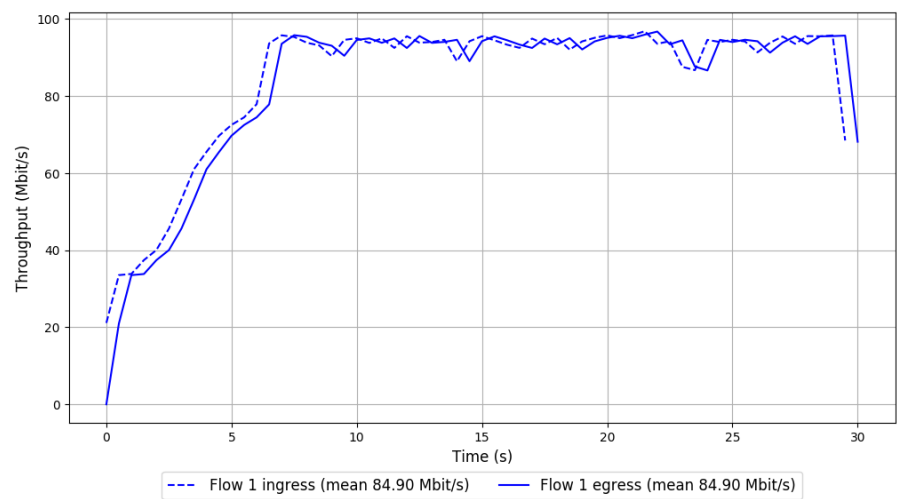
-- Flow 1:

Average throughput: 84.90 Mbit/s

95th percentile per-packet one-way delay: 3.375 ms

Loss rate: 0.02%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-25 02:12:37

End at: 2018-07-25 02:13:07

Local clock offset: -2.129 ms

Remote clock offset: -3.208 ms

Below is generated by plot.py at 2018-07-25 03:03:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.56 Mbit/s

95th percentile per-packet one-way delay: 3.535 ms

Loss rate: 0.02%

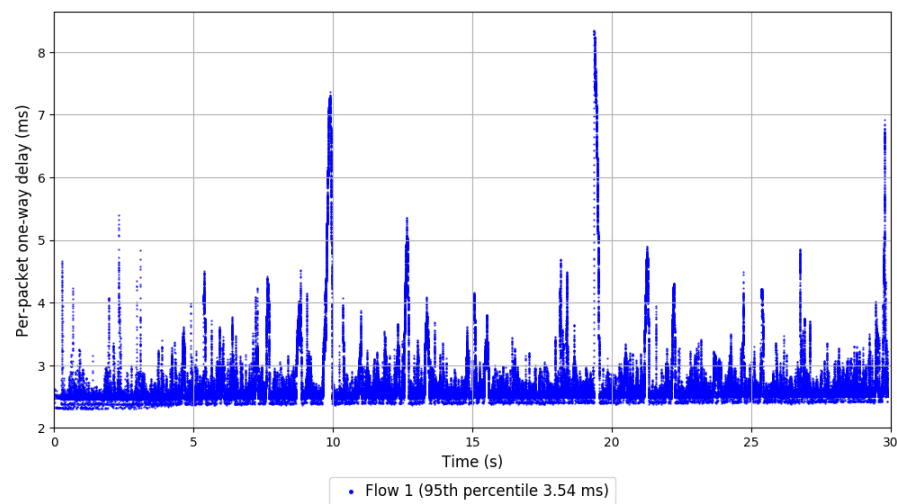
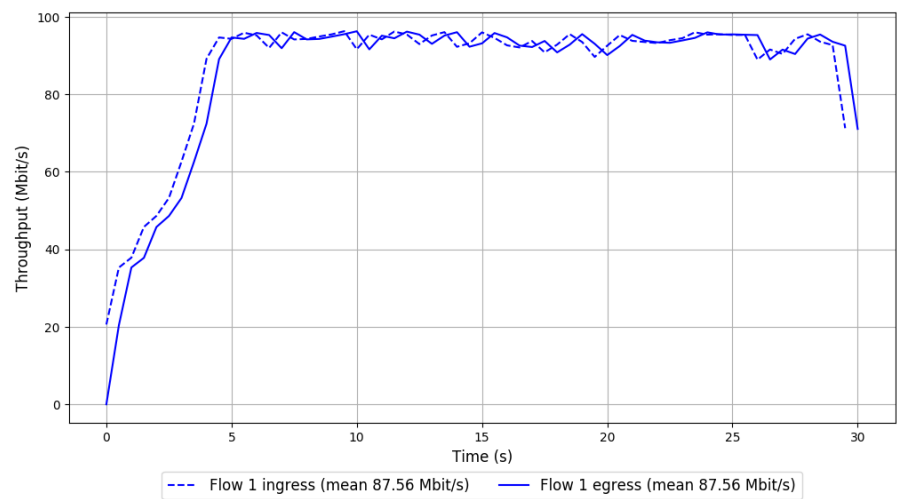
-- Flow 1:

Average throughput: 87.56 Mbit/s

95th percentile per-packet one-way delay: 3.535 ms

Loss rate: 0.02%

Run 9: Report of PCC-Allegro — Data Link

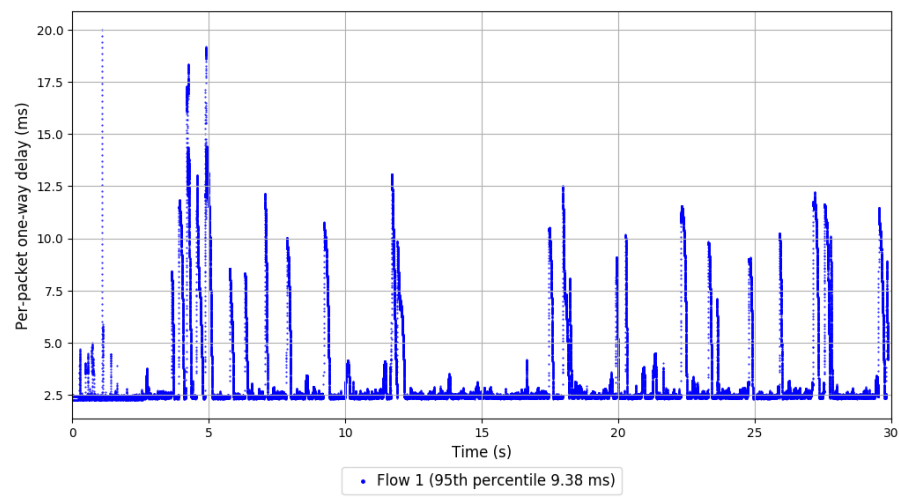
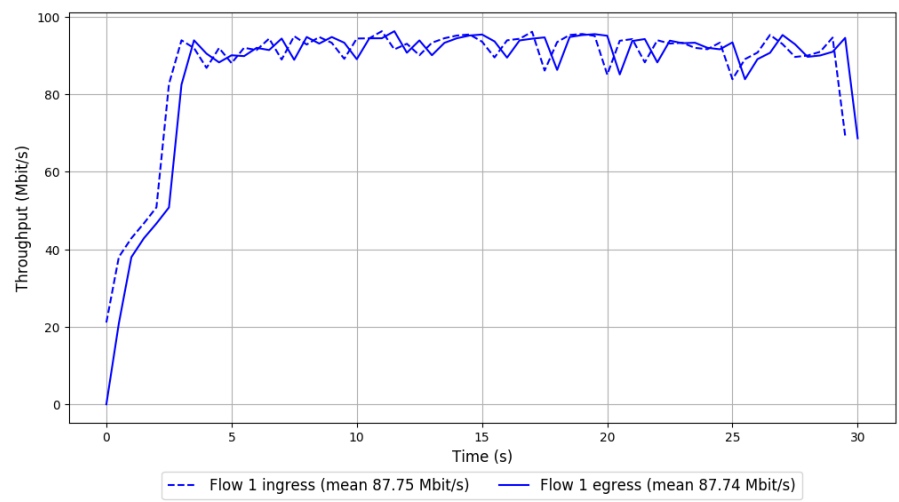


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-25 02:31:39
End at: 2018-07-25 02:32:09
Local clock offset: -1.819 ms
Remote clock offset: -2.036 ms

Below is generated by plot.py at 2018-07-25 03:03:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.74 Mbit/s
95th percentile per-packet one-way delay: 9.376 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 87.74 Mbit/s
95th percentile per-packet one-way delay: 9.376 ms
Loss rate: 0.03%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-07-24 23:47:10
End at: 2018-07-24 23:47:40
Local clock offset: -2.742 ms
Remote clock offset: -2.707 ms

Below is generated by plot.py at 2018-07-25 03:04:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.09 Mbit/s

95th percentile per-packet one-way delay: 11.993 ms

Loss rate: 0.07%

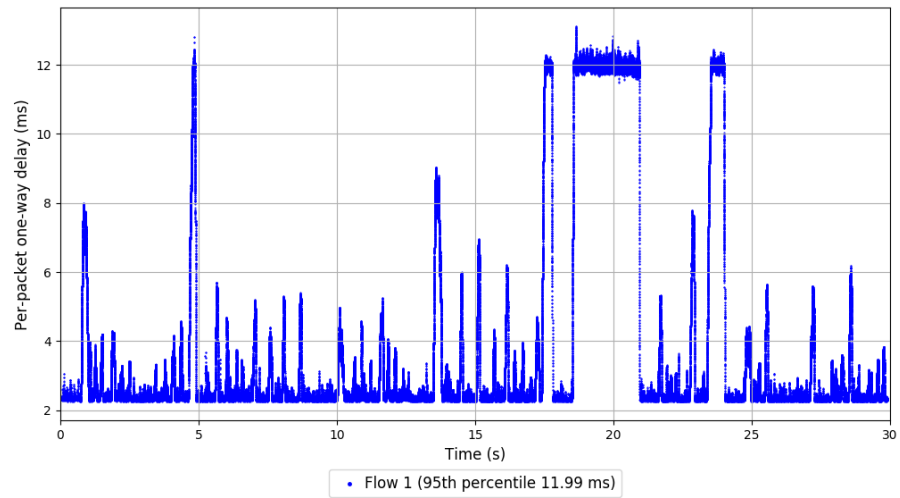
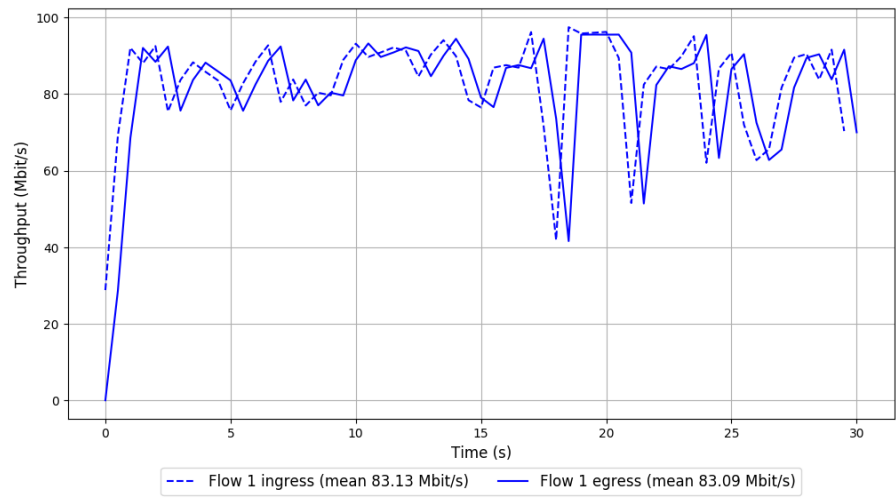
-- Flow 1:

Average throughput: 83.09 Mbit/s

95th percentile per-packet one-way delay: 11.993 ms

Loss rate: 0.07%

Run 1: Report of PCC-Expr — Data Link

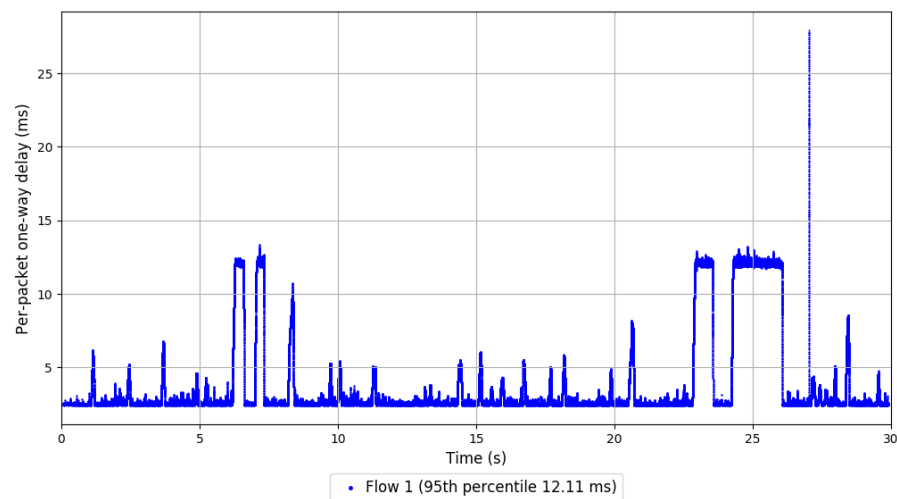
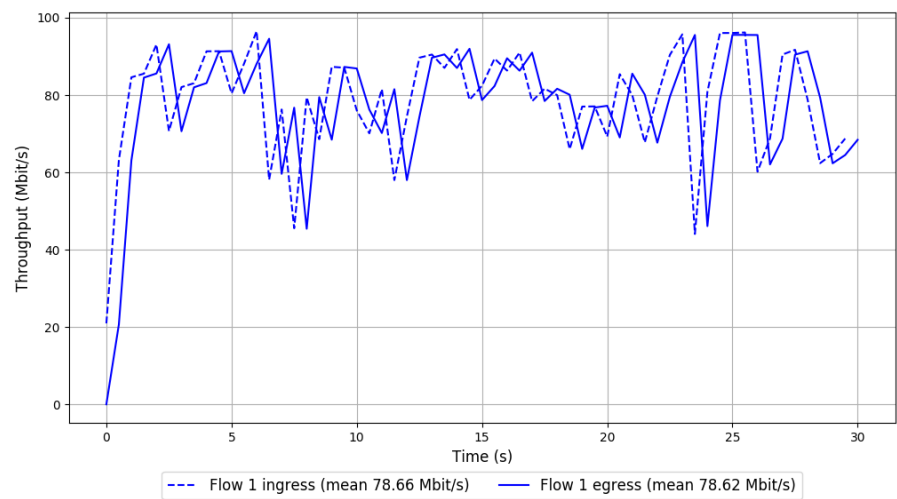


Run 2: Statistics of PCC-Expr

Start at: 2018-07-25 00:06:12
End at: 2018-07-25 00:06:42
Local clock offset: -2.609 ms
Remote clock offset: -3.014 ms

Below is generated by plot.py at 2018-07-25 03:04:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.62 Mbit/s
95th percentile per-packet one-way delay: 12.113 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 78.62 Mbit/s
95th percentile per-packet one-way delay: 12.113 ms
Loss rate: 0.07%

Run 2: Report of PCC-Expr — Data Link

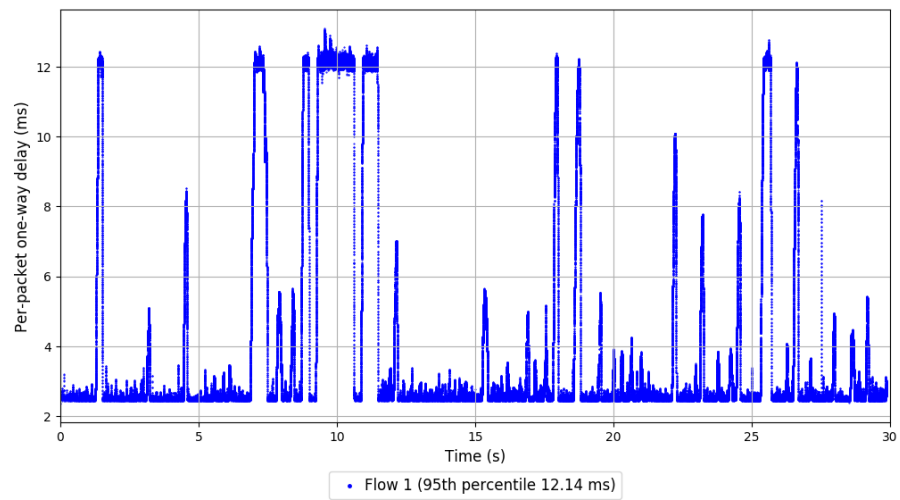
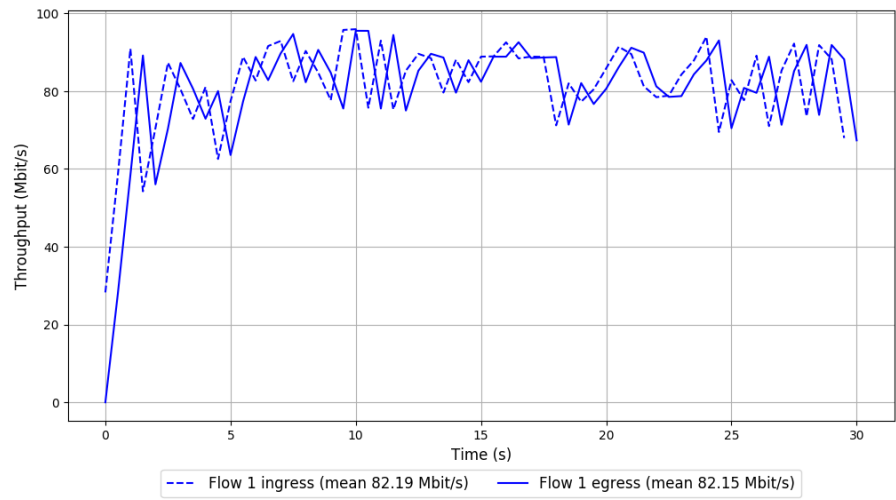


Run 3: Statistics of PCC-Expr

Start at: 2018-07-25 00:25:09
End at: 2018-07-25 00:25:39
Local clock offset: -2.666 ms
Remote clock offset: -3.229 ms

Below is generated by plot.py at 2018-07-25 03:04:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.15 Mbit/s
95th percentile per-packet one-way delay: 12.144 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 82.15 Mbit/s
95th percentile per-packet one-way delay: 12.144 ms
Loss rate: 0.06%

Run 3: Report of PCC-Expr — Data Link

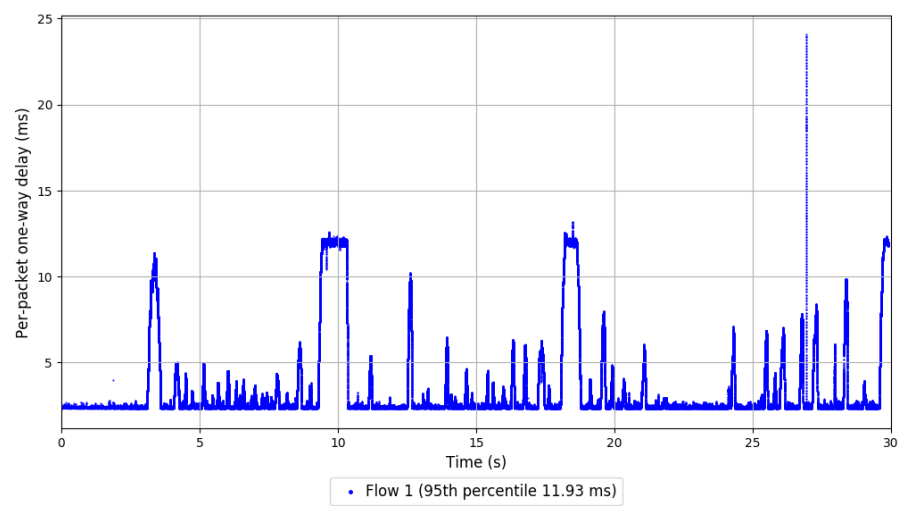
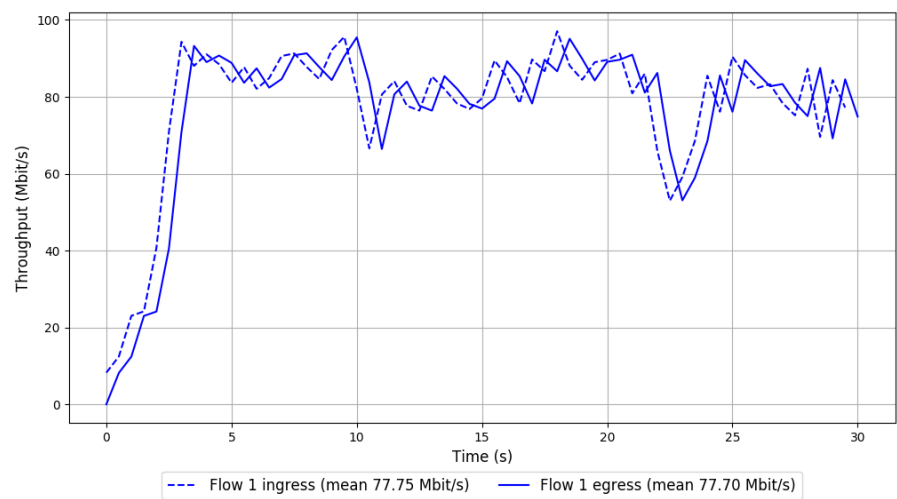


Run 4: Statistics of PCC-Expr

Start at: 2018-07-25 00:44:12
End at: 2018-07-25 00:44:42
Local clock offset: -2.8 ms
Remote clock offset: -3.325 ms

Below is generated by plot.py at 2018-07-25 03:04:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.70 Mbit/s
95th percentile per-packet one-way delay: 11.934 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 77.70 Mbit/s
95th percentile per-packet one-way delay: 11.934 ms
Loss rate: 0.08%

Run 4: Report of PCC-Expr — Data Link

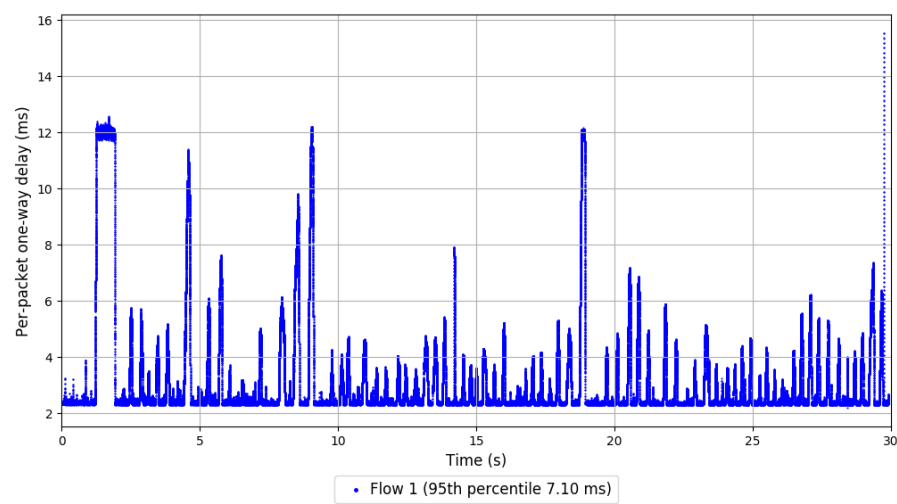
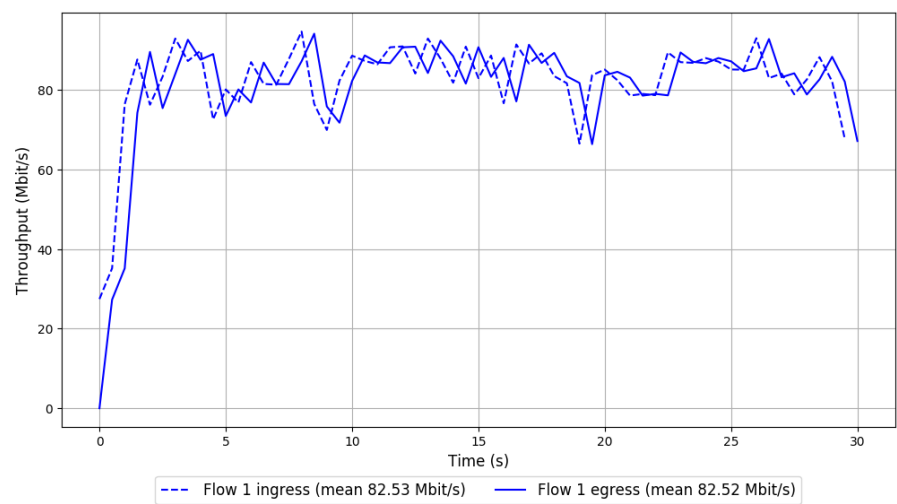


Run 5: Statistics of PCC-Expr

Start at: 2018-07-25 01:03:11
End at: 2018-07-25 01:03:41
Local clock offset: -2.839 ms
Remote clock offset: -3.363 ms

Below is generated by plot.py at 2018-07-25 03:04:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.52 Mbit/s
95th percentile per-packet one-way delay: 7.099 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 82.52 Mbit/s
95th percentile per-packet one-way delay: 7.099 ms
Loss rate: 0.02%

Run 5: Report of PCC-Expr — Data Link

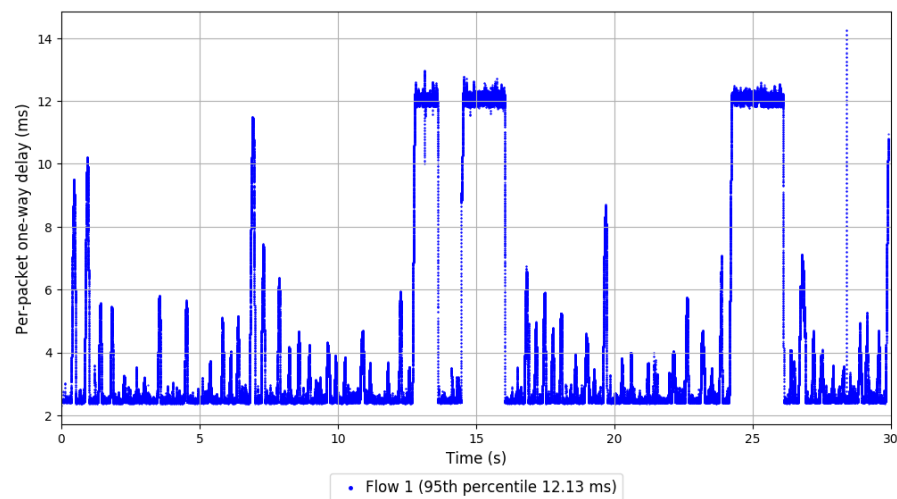
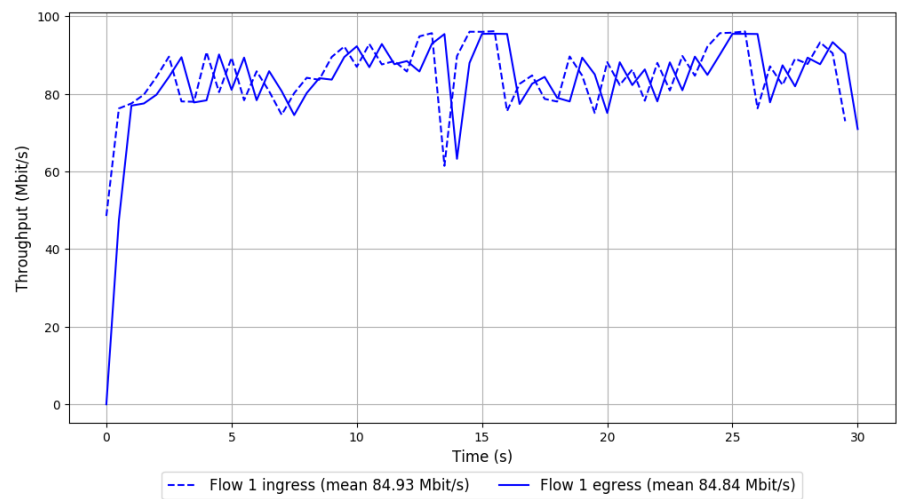


Run 6: Statistics of PCC-Expr

Start at: 2018-07-25 01:22:10
End at: 2018-07-25 01:22:40
Local clock offset: -2.885 ms
Remote clock offset: -2.814 ms

Below is generated by plot.py at 2018-07-25 03:04:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.84 Mbit/s
95th percentile per-packet one-way delay: 12.128 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 84.84 Mbit/s
95th percentile per-packet one-way delay: 12.128 ms
Loss rate: 0.12%

Run 6: Report of PCC-Expr — Data Link

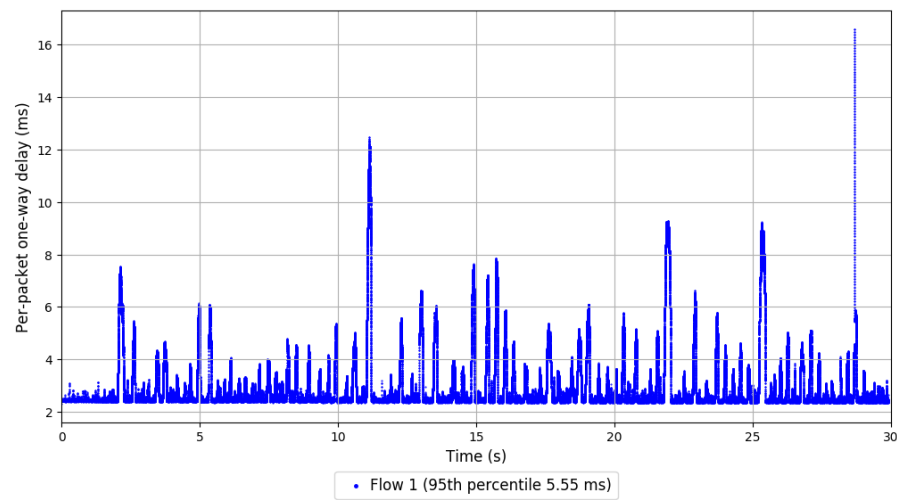
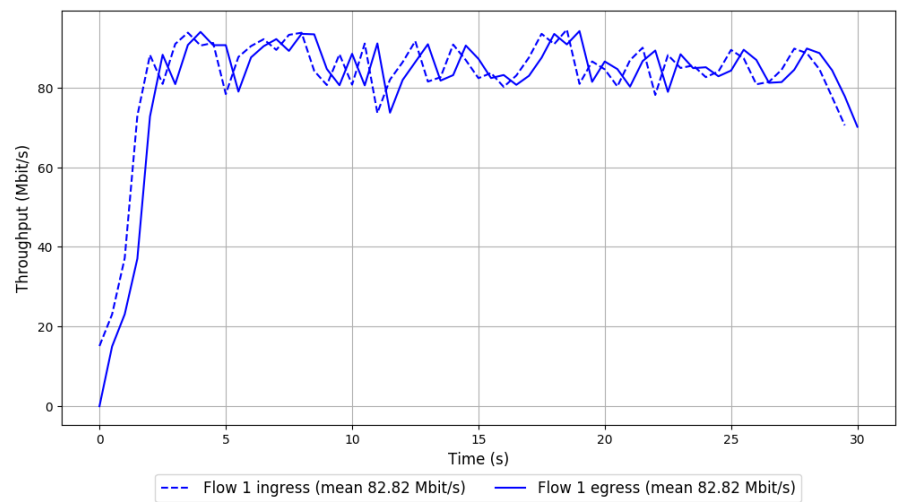


Run 7: Statistics of PCC-Expr

Start at: 2018-07-25 01:41:13
End at: 2018-07-25 01:41:43
Local clock offset: -2.812 ms
Remote clock offset: -2.822 ms

Below is generated by plot.py at 2018-07-25 03:05:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.82 Mbit/s
95th percentile per-packet one-way delay: 5.554 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 82.82 Mbit/s
95th percentile per-packet one-way delay: 5.554 ms
Loss rate: 0.02%

Run 7: Report of PCC-Expr — Data Link

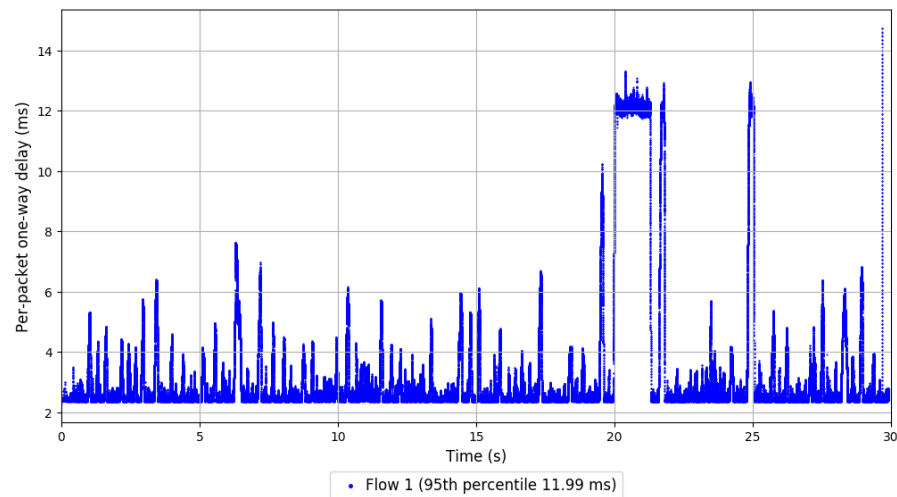
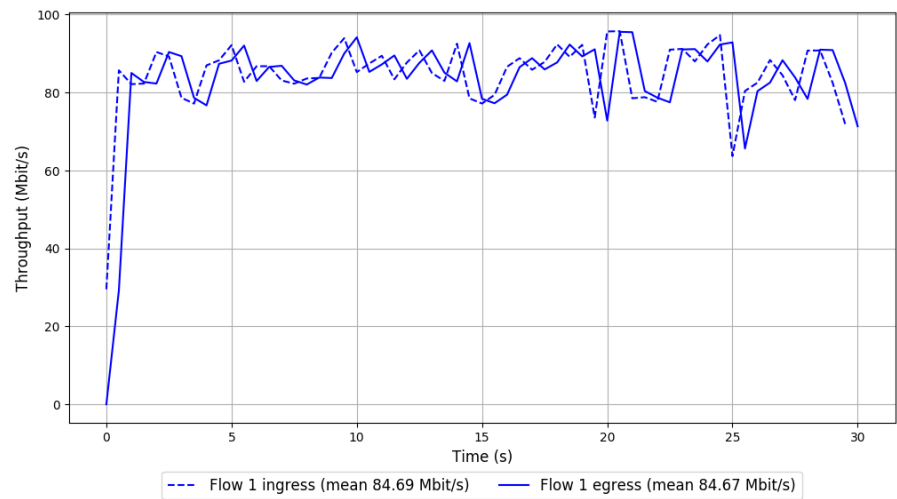


Run 8: Statistics of PCC-Expr

Start at: 2018-07-25 02:00:15
End at: 2018-07-25 02:00:45
Local clock offset: -2.813 ms
Remote clock offset: -3.185 ms

Below is generated by plot.py at 2018-07-25 03:05:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.67 Mbit/s
95th percentile per-packet one-way delay: 11.988 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 84.67 Mbit/s
95th percentile per-packet one-way delay: 11.988 ms
Loss rate: 0.03%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-25 02:19:17

End at: 2018-07-25 02:19:47

Local clock offset: -2.046 ms

Remote clock offset: -2.5 ms

Below is generated by plot.py at 2018-07-25 03:06:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.29 Mbit/s

95th percentile per-packet one-way delay: 12.058 ms

Loss rate: 0.05%

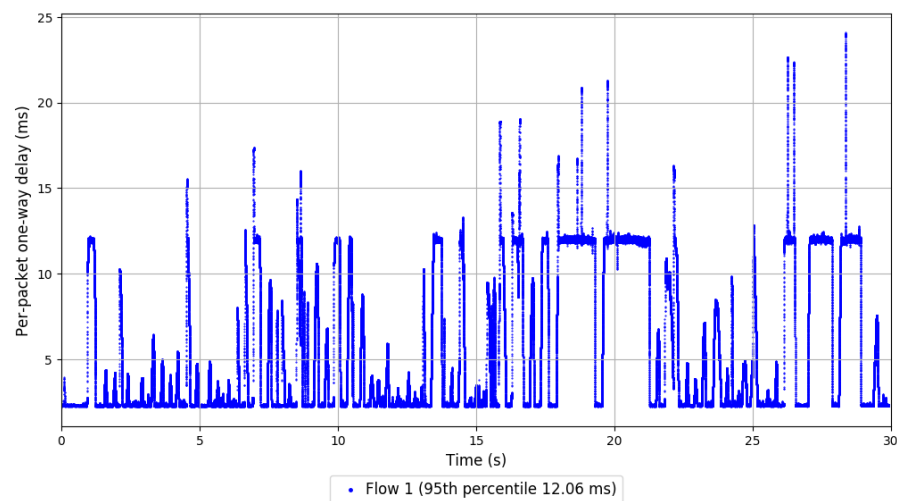
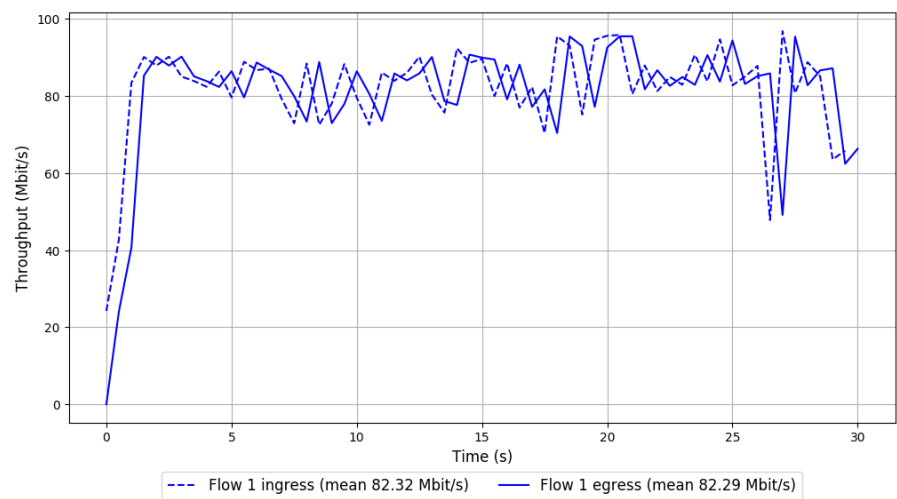
-- Flow 1:

Average throughput: 82.29 Mbit/s

95th percentile per-packet one-way delay: 12.058 ms

Loss rate: 0.05%

Run 9: Report of PCC-Expr — Data Link

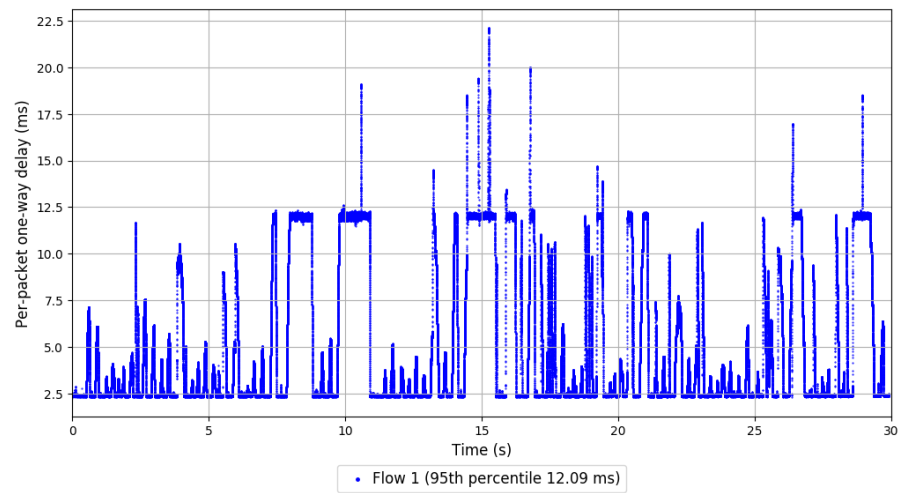
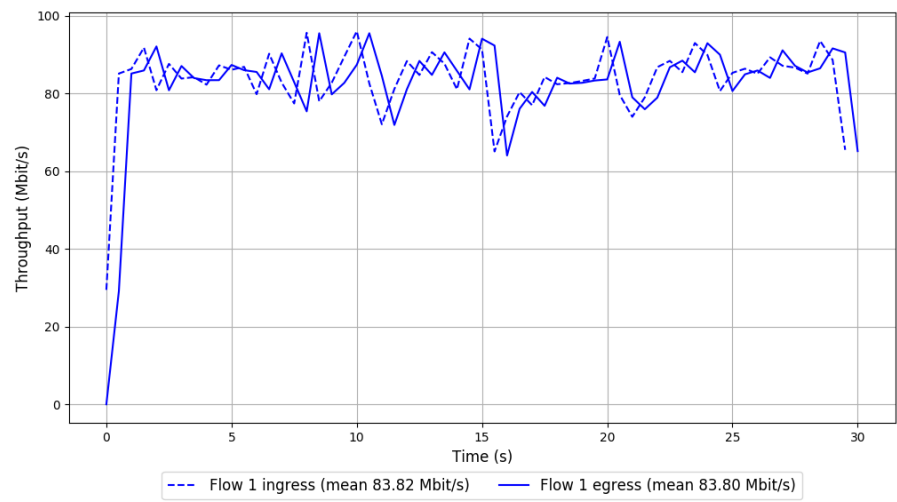


Run 10: Statistics of PCC-Expr

Start at: 2018-07-25 02:38:18
End at: 2018-07-25 02:38:49
Local clock offset: -1.913 ms
Remote clock offset: -1.757 ms

Below is generated by plot.py at 2018-07-25 03:06:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.80 Mbit/s
95th percentile per-packet one-way delay: 12.086 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 83.80 Mbit/s
95th percentile per-packet one-way delay: 12.086 ms
Loss rate: 0.04%

Run 10: Report of PCC-Expr — Data Link

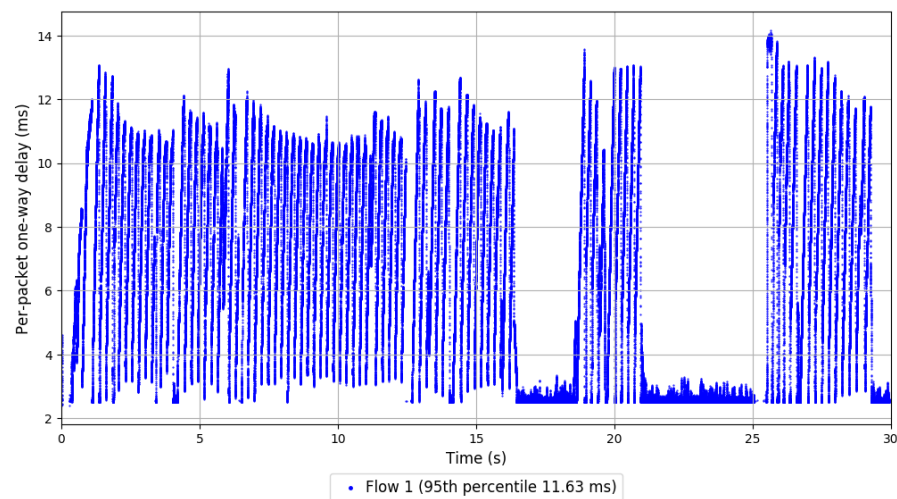
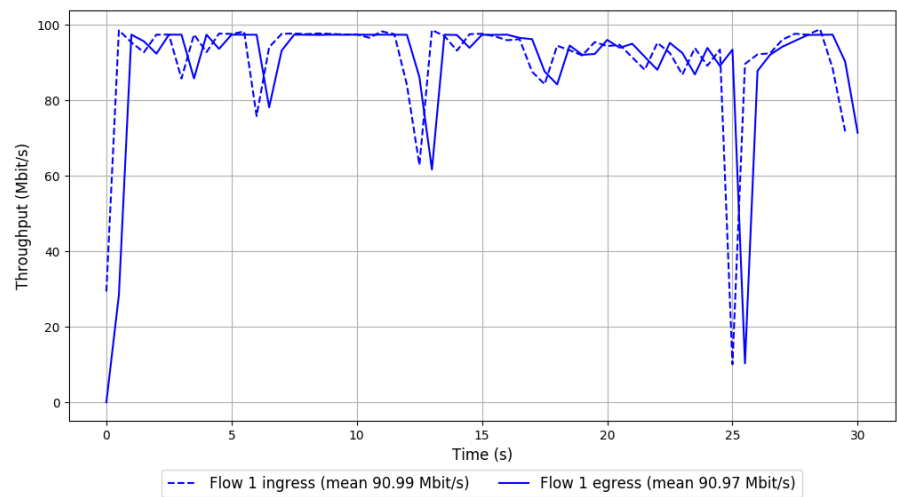


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-24 23:43:51
End at: 2018-07-24 23:44:21
Local clock offset: -2.701 ms
Remote clock offset: -2.872 ms

Below is generated by plot.py at 2018-07-25 03:06:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.97 Mbit/s
95th percentile per-packet one-way delay: 11.631 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 90.97 Mbit/s
95th percentile per-packet one-way delay: 11.631 ms
Loss rate: 0.05%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-25 00:02:53

End at: 2018-07-25 00:03:23

Local clock offset: -2.632 ms

Remote clock offset: -2.941 ms

Below is generated by plot.py at 2018-07-25 03:06:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.54 Mbit/s

95th percentile per-packet one-way delay: 11.656 ms

Loss rate: 0.03%

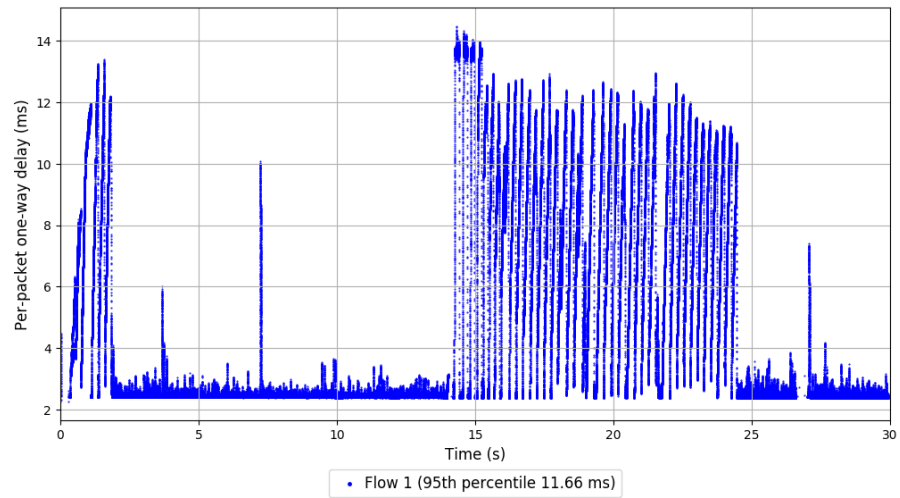
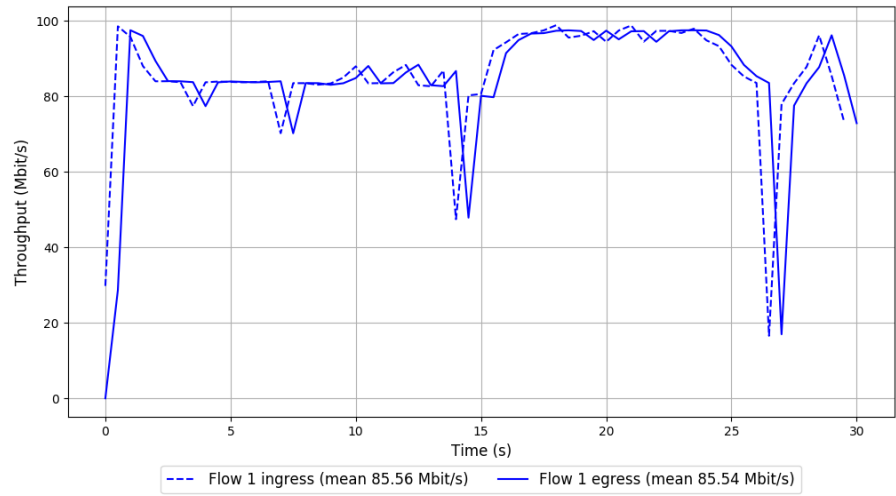
-- Flow 1:

Average throughput: 85.54 Mbit/s

95th percentile per-packet one-way delay: 11.656 ms

Loss rate: 0.03%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-25 00:21:50

End at: 2018-07-25 00:22:20

Local clock offset: -2.741 ms

Remote clock offset: -3.175 ms

Below is generated by plot.py at 2018-07-25 03:06:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.79 Mbit/s

95th percentile per-packet one-way delay: 11.319 ms

Loss rate: 0.07%

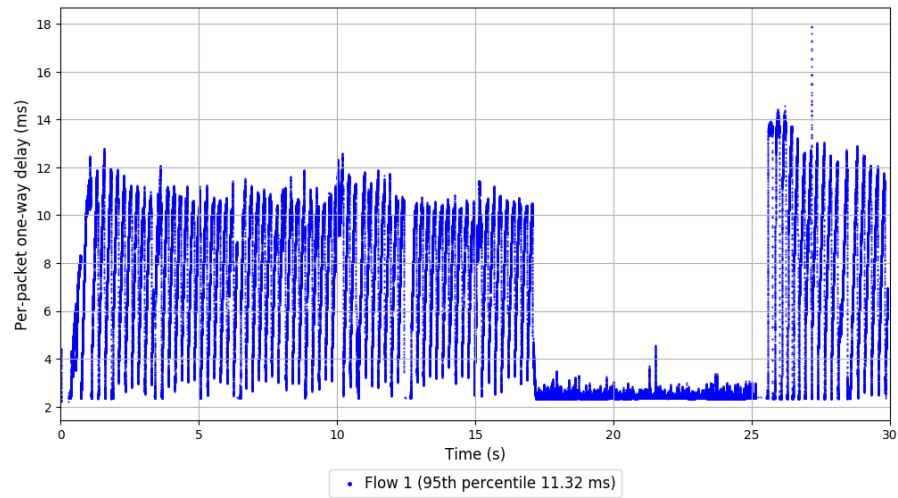
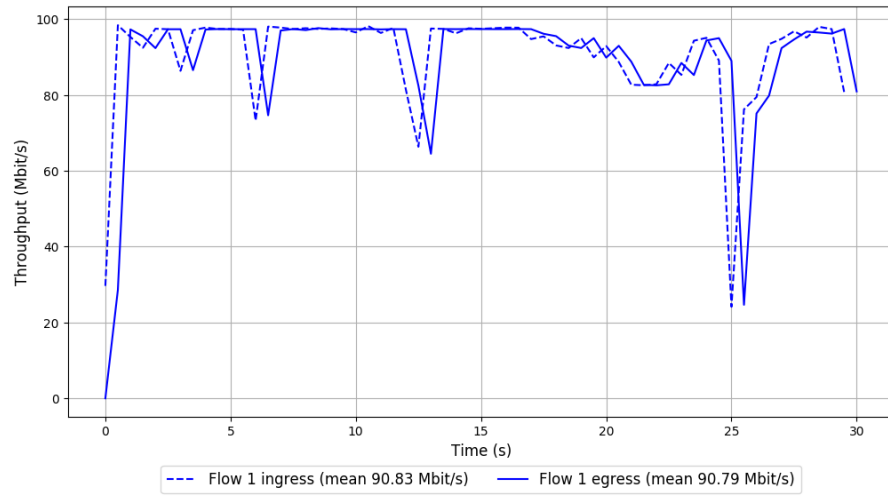
-- Flow 1:

Average throughput: 90.79 Mbit/s

95th percentile per-packet one-way delay: 11.319 ms

Loss rate: 0.07%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-25 00:40:52

End at: 2018-07-25 00:41:22

Local clock offset: -2.809 ms

Remote clock offset: -3.406 ms

Below is generated by plot.py at 2018-07-25 03:06:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.67 Mbit/s

95th percentile per-packet one-way delay: 10.675 ms

Loss rate: 0.06%

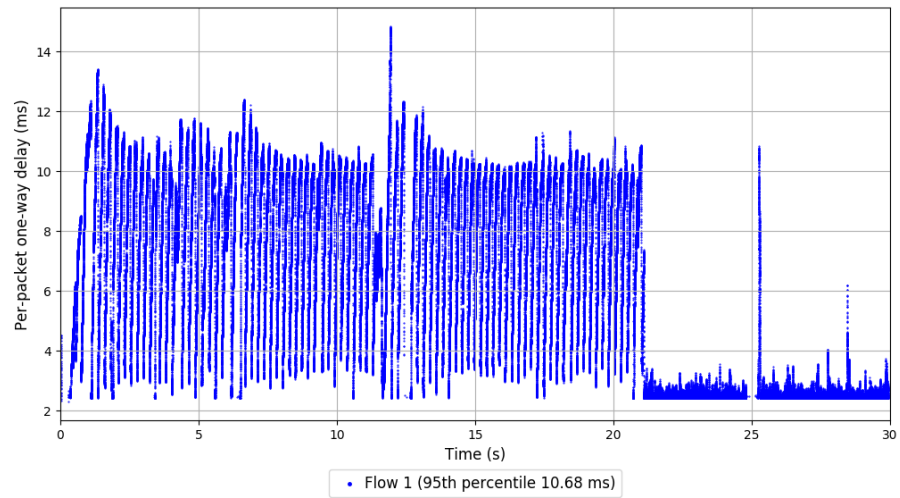
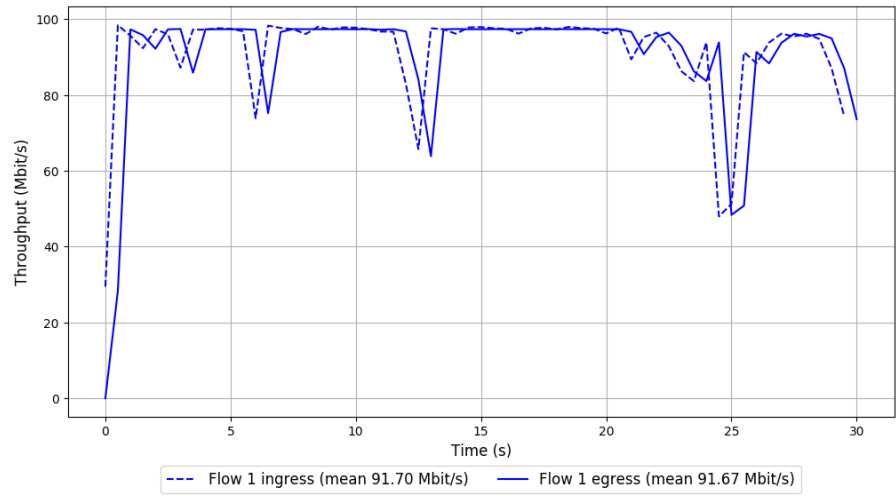
-- Flow 1:

Average throughput: 91.67 Mbit/s

95th percentile per-packet one-way delay: 10.675 ms

Loss rate: 0.06%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-25 00:59:52

End at: 2018-07-25 01:00:22

Local clock offset: -2.774 ms

Remote clock offset: -3.453 ms

Below is generated by plot.py at 2018-07-25 03:06:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.30 Mbit/s

95th percentile per-packet one-way delay: 11.812 ms

Loss rate: 0.07%

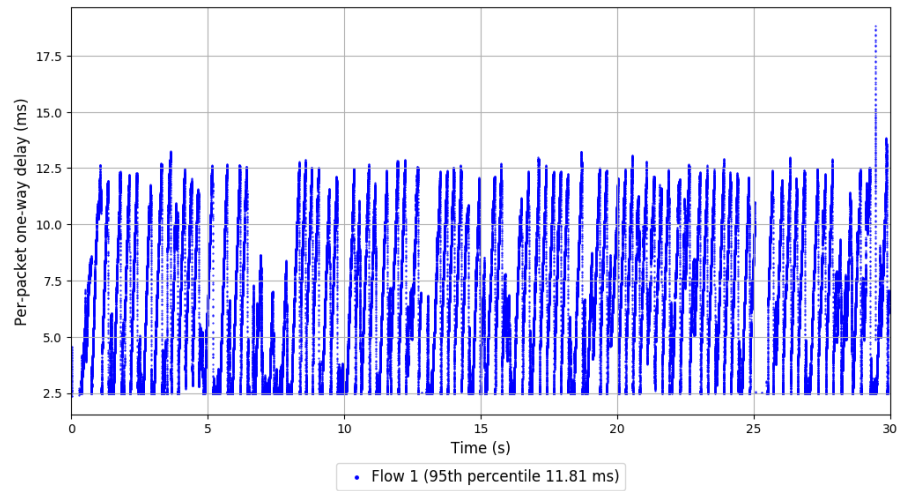
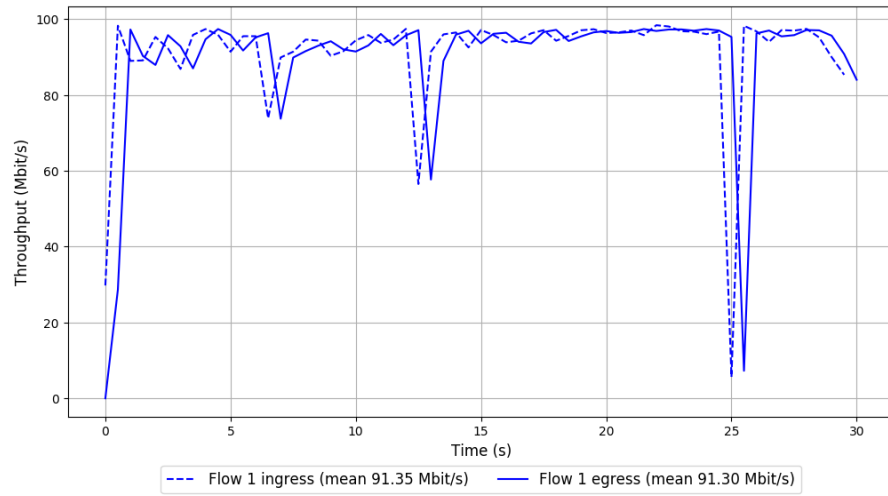
-- Flow 1:

Average throughput: 91.30 Mbit/s

95th percentile per-packet one-way delay: 11.812 ms

Loss rate: 0.07%

Run 5: Report of QUIC Cubic — Data Link

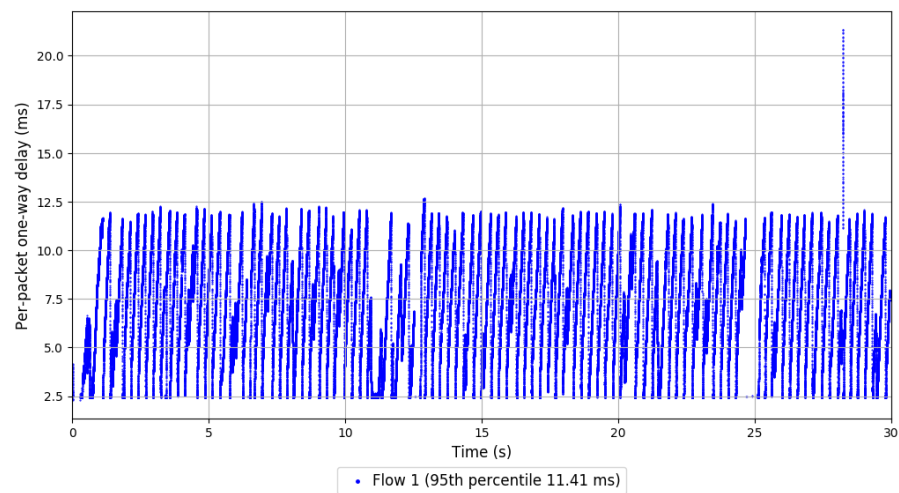
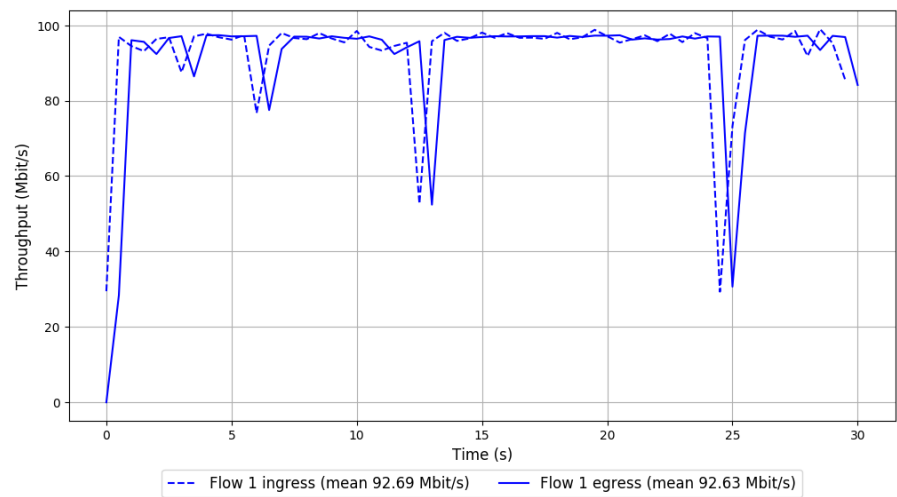


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-25 01:18:51
End at: 2018-07-25 01:19:21
Local clock offset: -2.881 ms
Remote clock offset: -2.869 ms

Below is generated by plot.py at 2018-07-25 03:06:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.63 Mbit/s
95th percentile per-packet one-way delay: 11.406 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 92.63 Mbit/s
95th percentile per-packet one-way delay: 11.406 ms
Loss rate: 0.07%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-25 01:37:54

End at: 2018-07-25 01:38:24

Local clock offset: -2.831 ms

Remote clock offset: -2.683 ms

Below is generated by plot.py at 2018-07-25 03:06:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.31 Mbit/s

95th percentile per-packet one-way delay: 2.633 ms

Loss rate: 0.02%

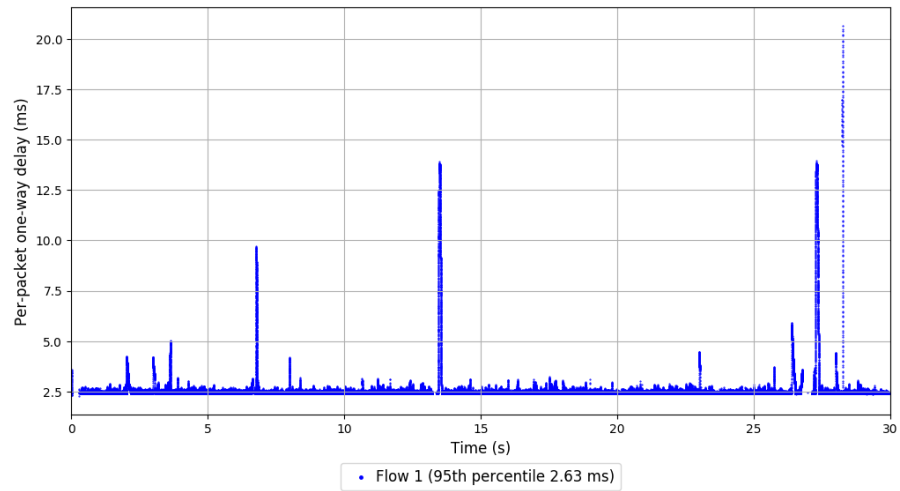
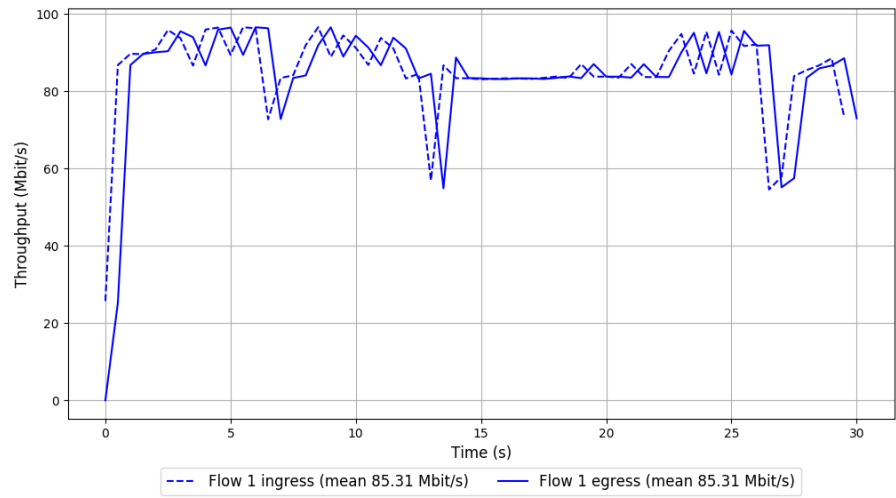
-- Flow 1:

Average throughput: 85.31 Mbit/s

95th percentile per-packet one-way delay: 2.633 ms

Loss rate: 0.02%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-25 01:56:55

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

Local clock offset: -2.766 ms

Remote clock offset: -3.15 ms

Below is generated by plot.py at 2018-07-25 03:06:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.05 Mbit/s

95th percentile per-packet one-way delay: 11.739 ms

Loss rate: 0.08%

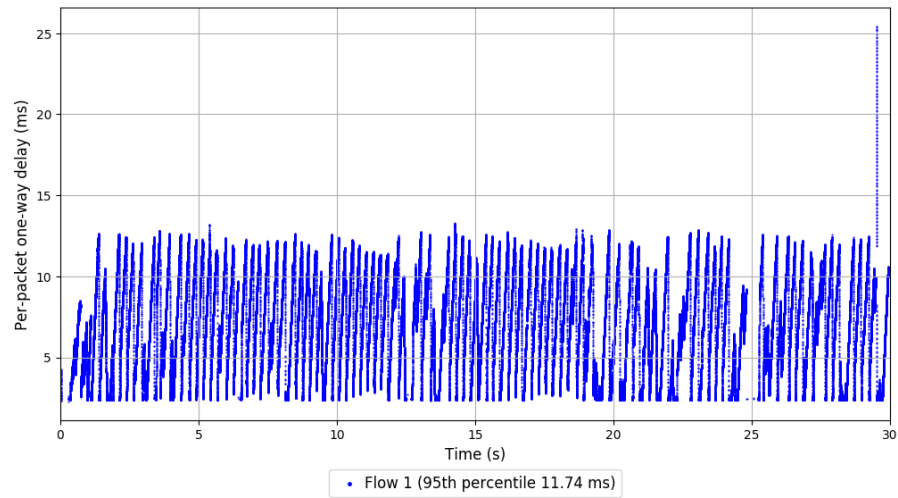
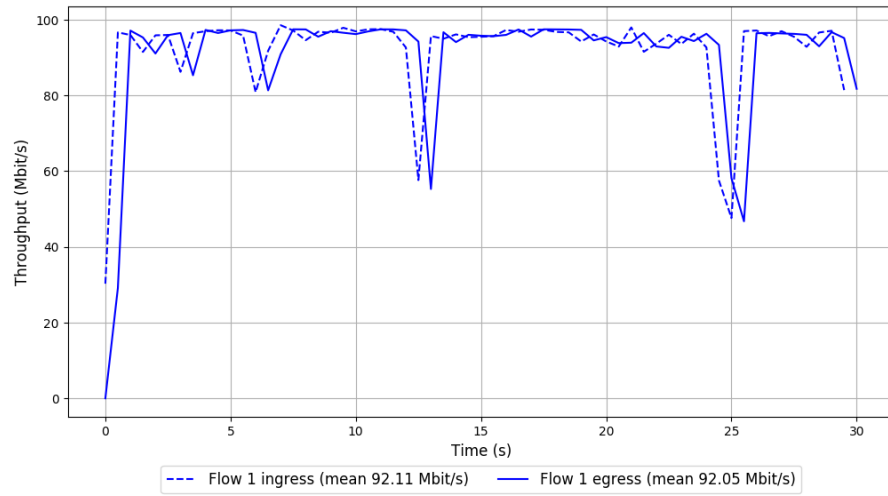
-- Flow 1:

Average throughput: 92.05 Mbit/s

95th percentile per-packet one-way delay: 11.739 ms

Loss rate: 0.08%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-25 02:15:58

End at: 2018-07-25 02:16:28

Local clock offset: -2.031 ms

Remote clock offset: -2.755 ms

Below is generated by plot.py at 2018-07-25 03:06:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.21 Mbit/s

95th percentile per-packet one-way delay: 12.648 ms

Loss rate: 0.02%

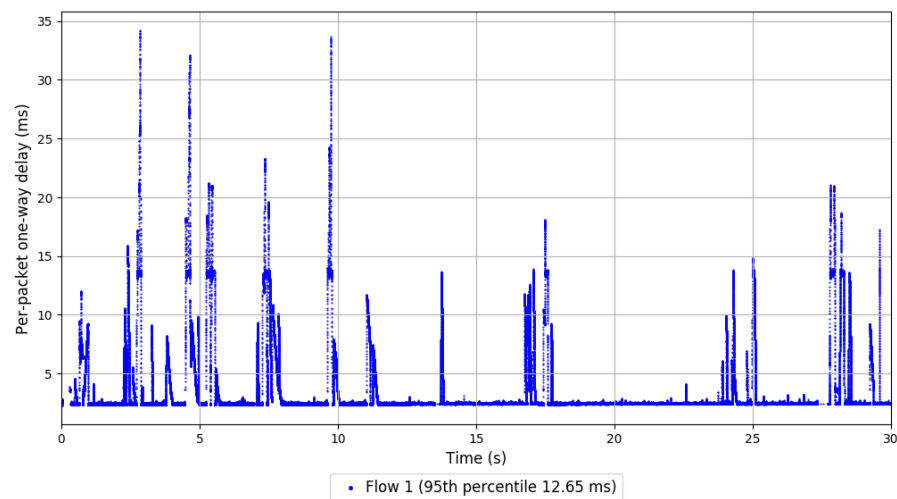
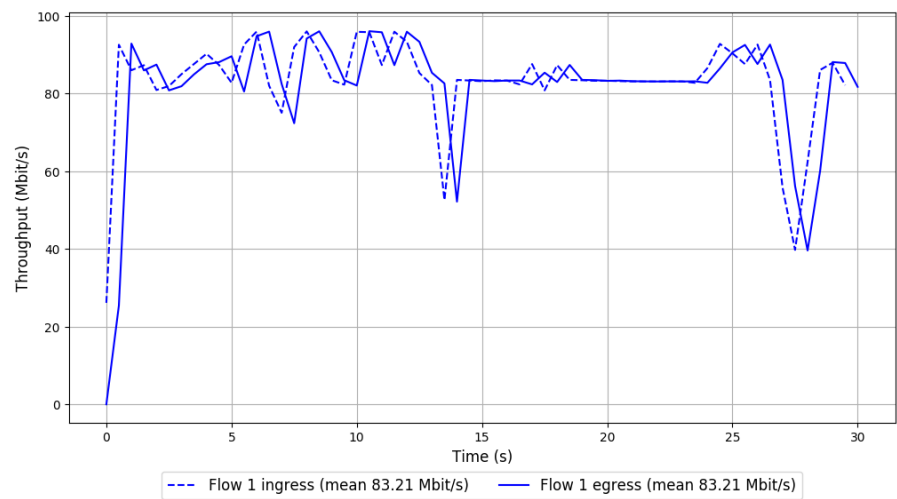
-- Flow 1:

Average throughput: 83.21 Mbit/s

95th percentile per-packet one-way delay: 12.648 ms

Loss rate: 0.02%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-25 02:34:59

End at: 2018-07-25 02:35:29

Local clock offset: -1.916 ms

Remote clock offset: -1.909 ms

Below is generated by plot.py at 2018-07-25 03:07:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.96 Mbit/s

95th percentile per-packet one-way delay: 12.392 ms

Loss rate: 0.06%

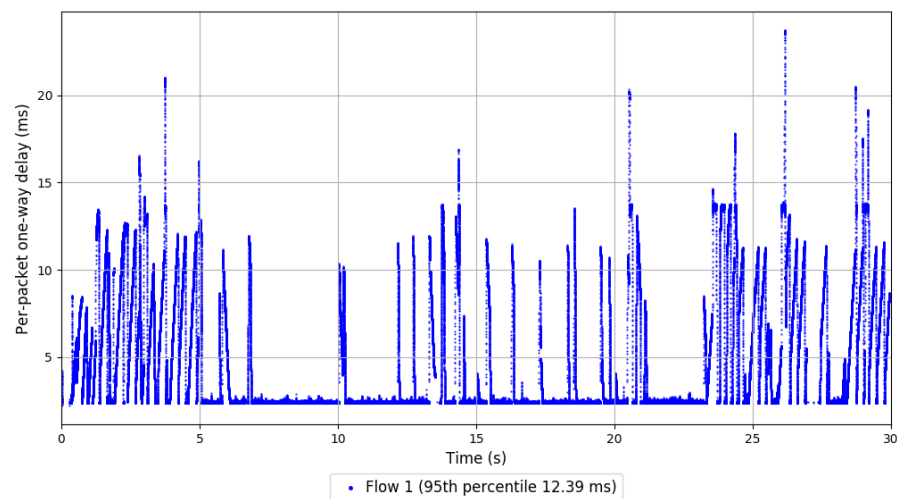
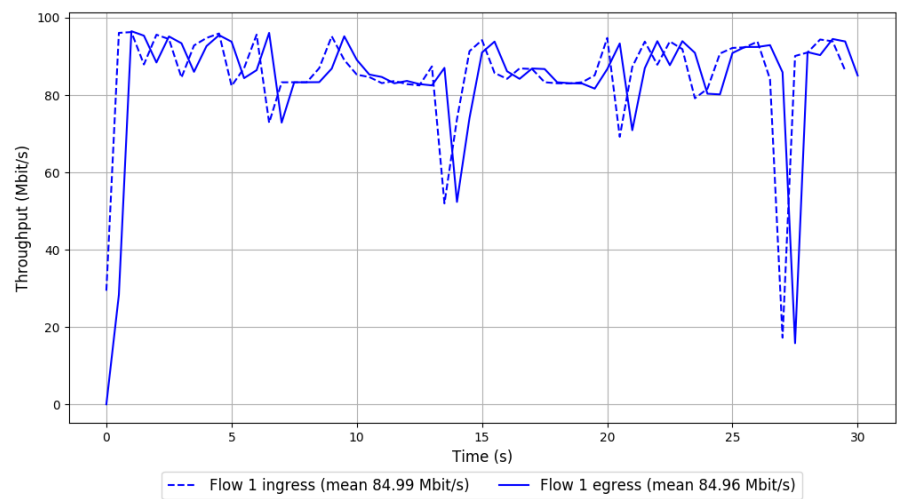
-- Flow 1:

Average throughput: 84.96 Mbit/s

95th percentile per-packet one-way delay: 12.392 ms

Loss rate: 0.06%

Run 10: Report of QUIC Cubic — Data Link

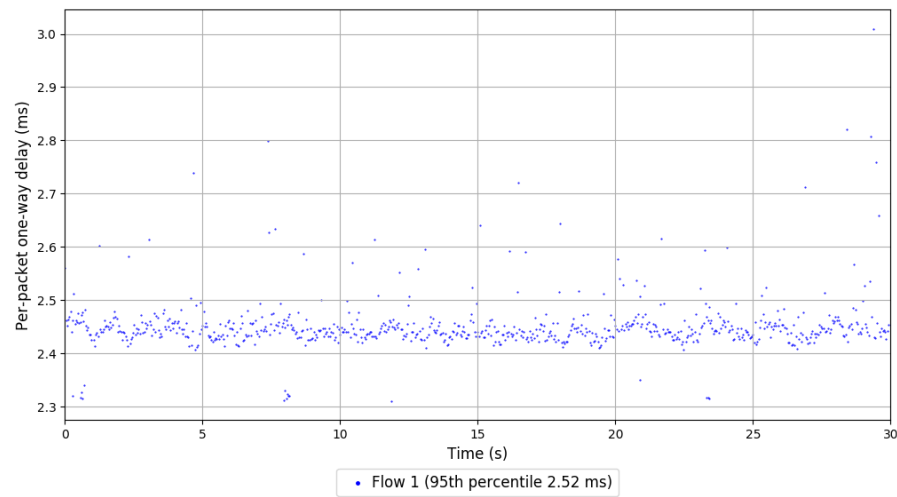
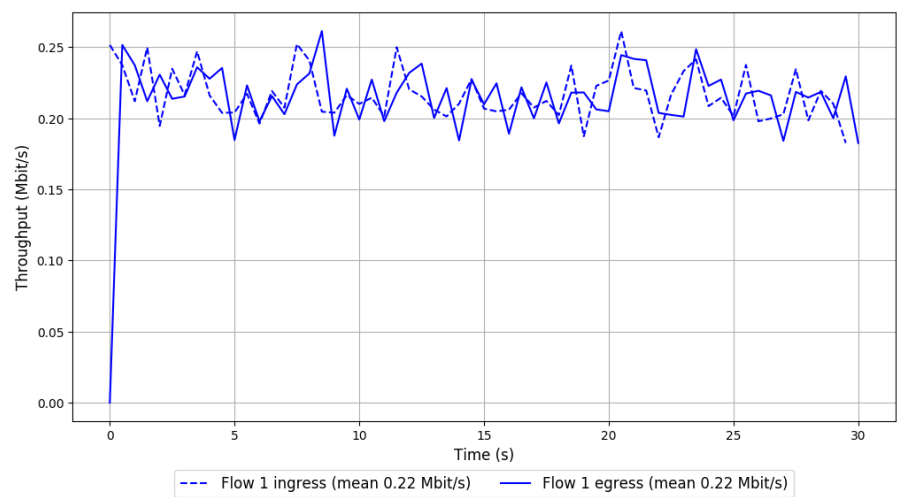


```
Run 1: Statistics of SCReAM

Start at: 2018-07-24 23:55:03
End at: 2018-07-24 23:55:33
Local clock offset: -2.625 ms
Remote clock offset: -2.71 ms

# Below is generated by plot.py at 2018-07-25 03:07:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.522 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.522 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

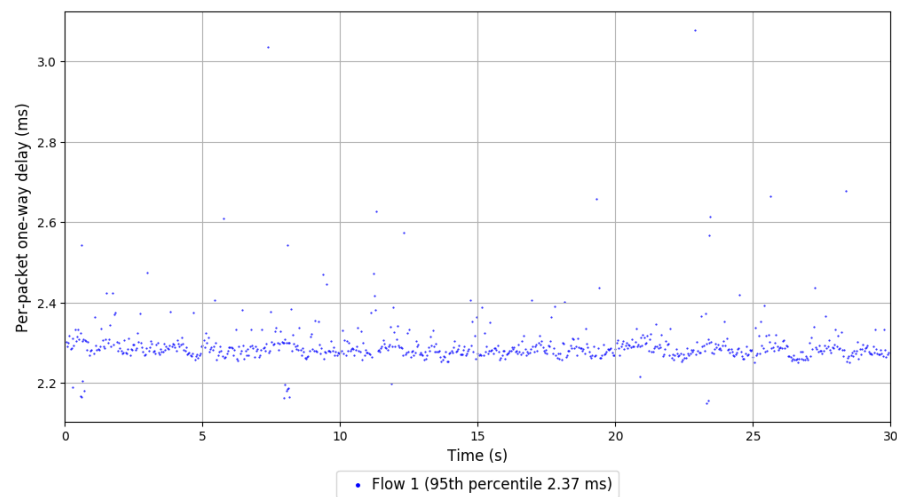
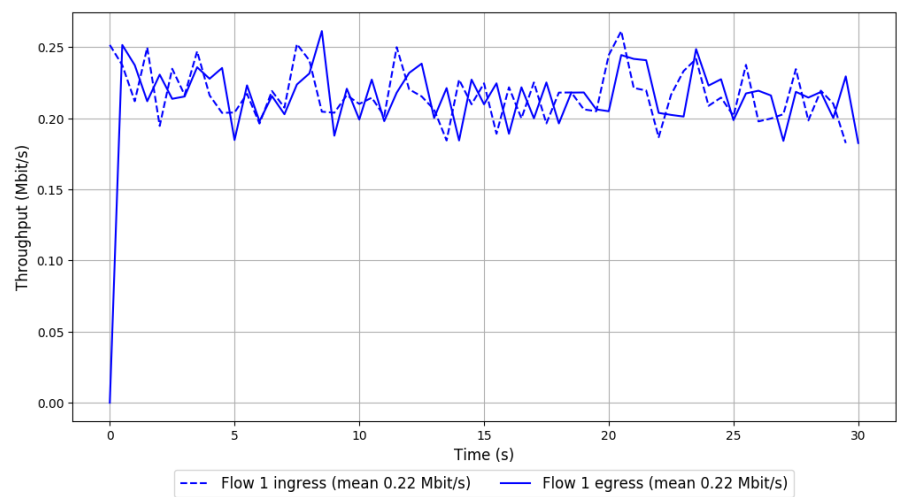


Run 2: Statistics of SCReAM

Start at: 2018-07-25 00:14:05
End at: 2018-07-25 00:14:35
Local clock offset: -2.715 ms
Remote clock offset: -3.052 ms

Below is generated by plot.py at 2018-07-25 03:07:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.374 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.374 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

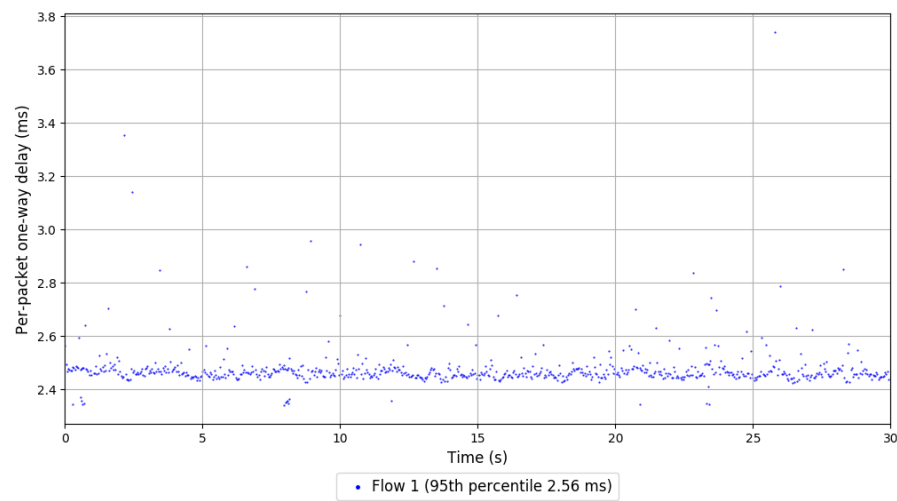
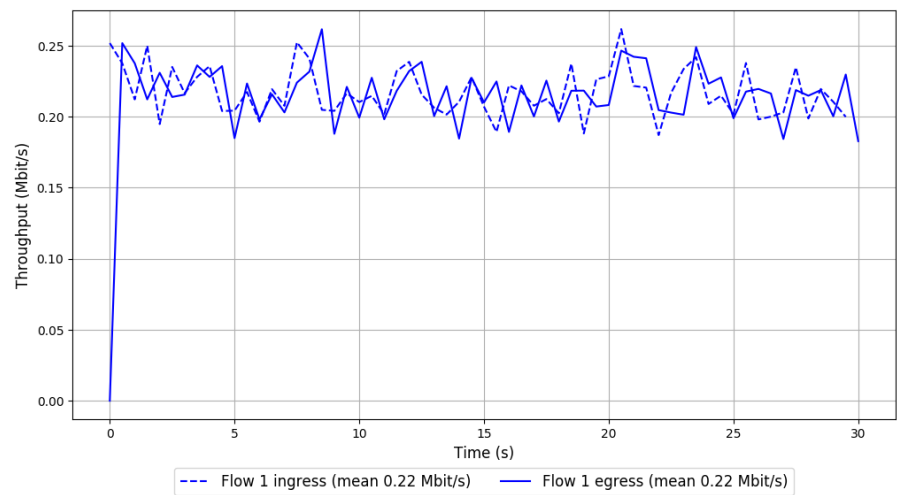


Run 3: Statistics of SCReAM

Start at: 2018-07-25 00:33:03
End at: 2018-07-25 00:33:33
Local clock offset: -2.693 ms
Remote clock offset: -3.271 ms

Below is generated by plot.py at 2018-07-25 03:07:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.564 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.564 ms
Loss rate: 0.13%

Run 3: Report of SReAM — Data Link

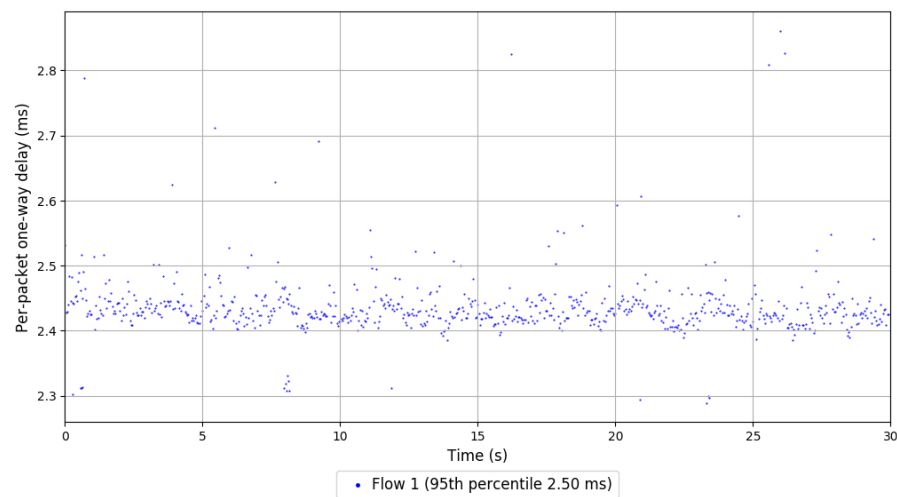
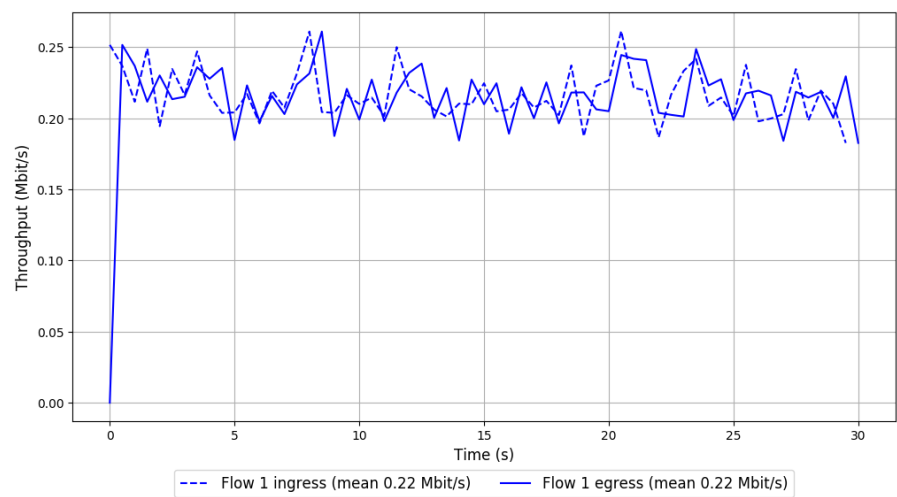


Run 4: Statistics of SCReAM

Start at: 2018-07-25 00:52:04
End at: 2018-07-25 00:52:34
Local clock offset: -2.767 ms
Remote clock offset: -3.383 ms

Below is generated by plot.py at 2018-07-25 03:07:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.496 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.496 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

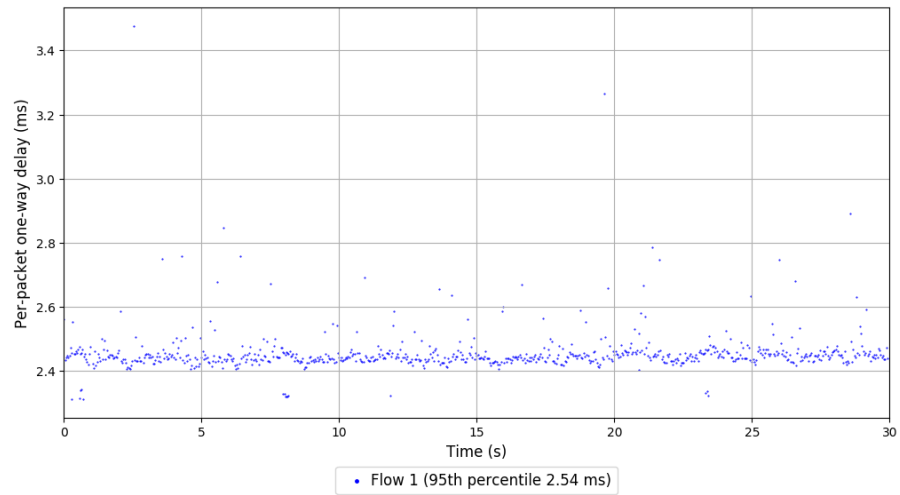
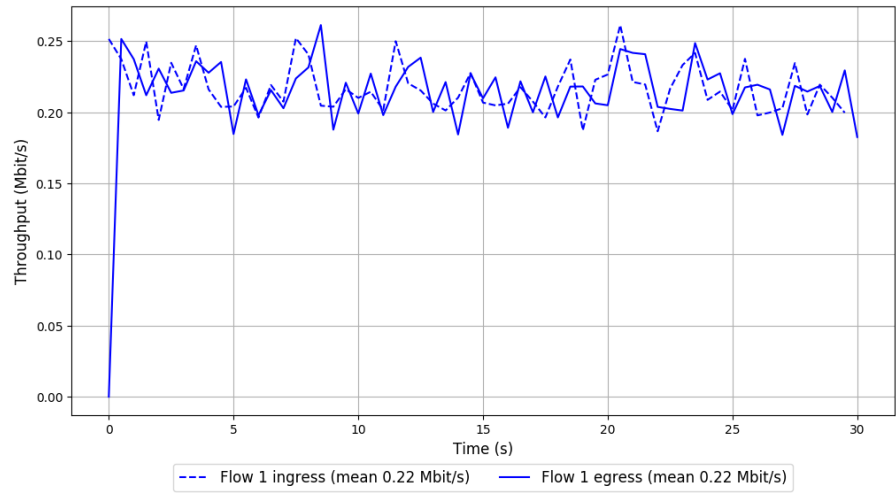


Run 5: Statistics of SCReAM

Start at: 2018-07-25 01:11:05
End at: 2018-07-25 01:11:35
Local clock offset: -2.837 ms
Remote clock offset: -3.051 ms

Below is generated by plot.py at 2018-07-25 03:07:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.542 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.542 ms
Loss rate: 0.13%

Run 5: Report of SReAM — Data Link

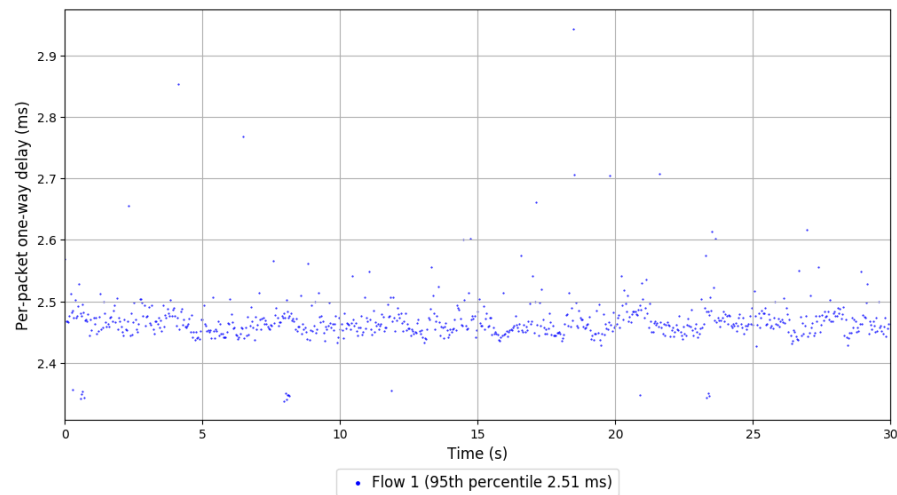
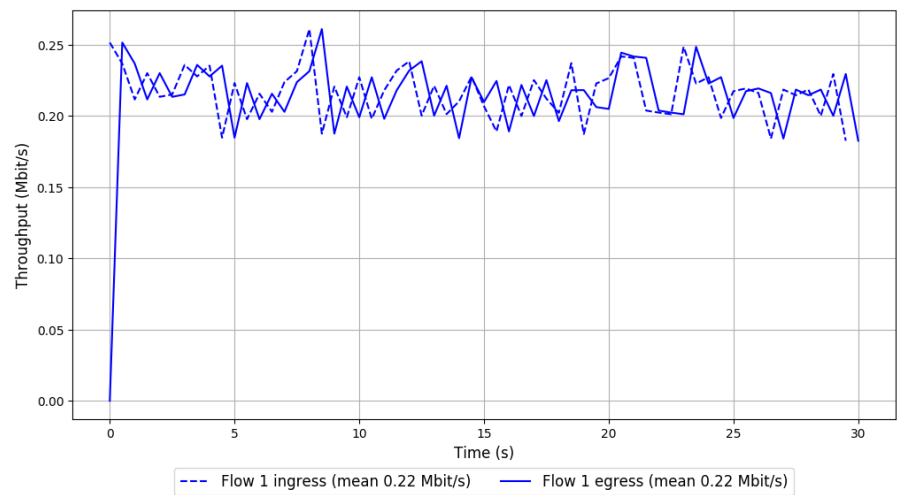


Run 6: Statistics of SCReAM

Start at: 2018-07-25 01:30:04
End at: 2018-07-25 01:30:34
Local clock offset: -2.907 ms
Remote clock offset: -2.785 ms

Below is generated by plot.py at 2018-07-25 03:07:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.514 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.514 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

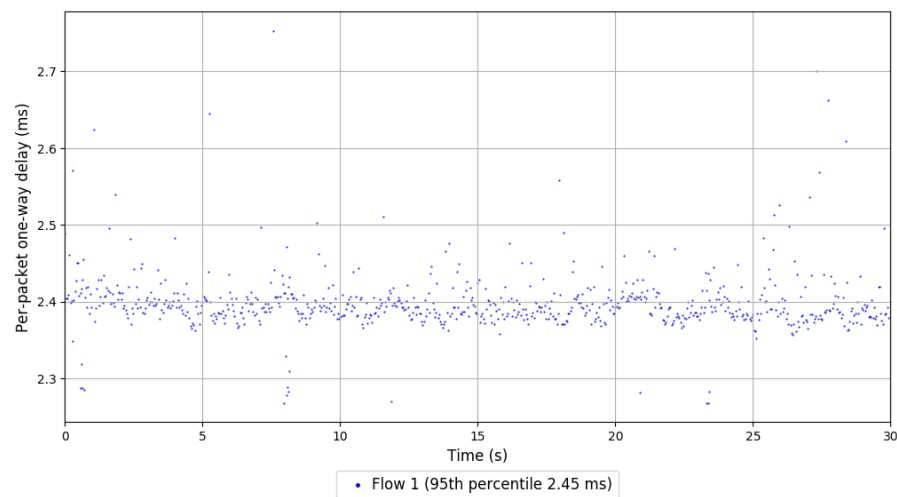
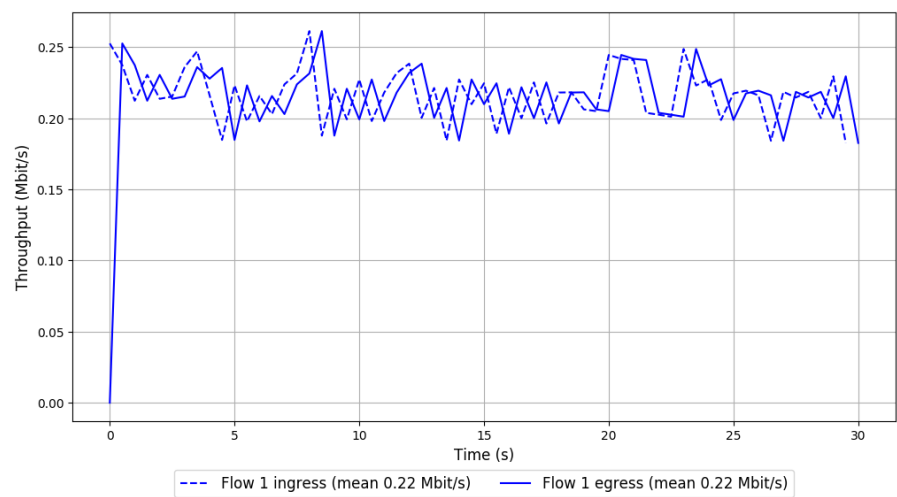


Run 7: Statistics of SCReAM

Start at: 2018-07-25 01:49:06
End at: 2018-07-25 01:49:36
Local clock offset: -2.811 ms
Remote clock offset: -3.079 ms

Below is generated by plot.py at 2018-07-25 03:07:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.451 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.451 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

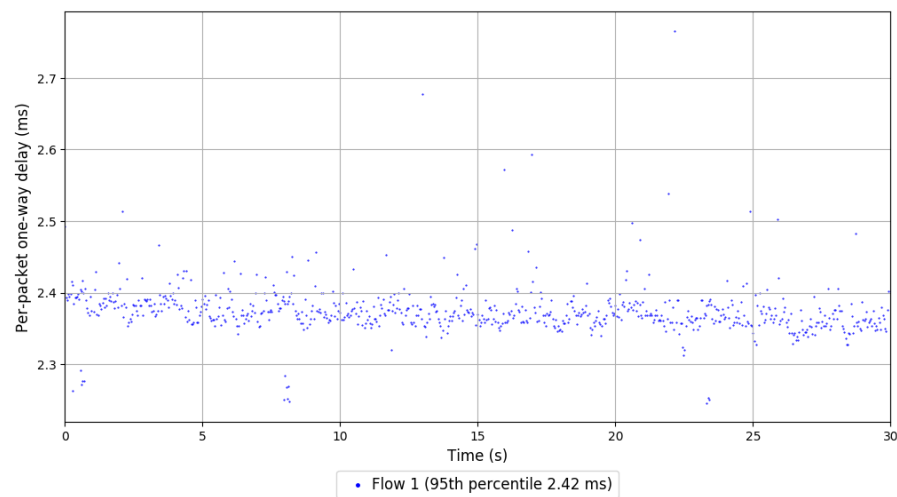
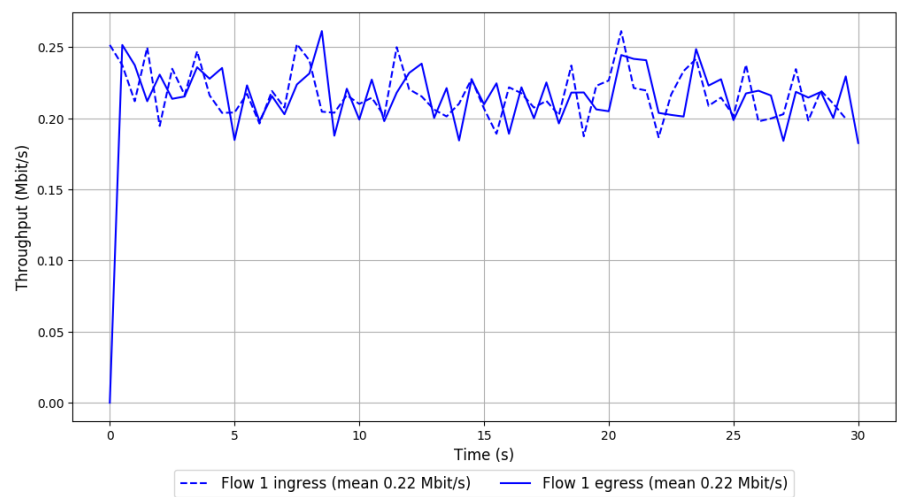


Run 8: Statistics of SCReAM

Start at: 2018-07-25 02:08:08
End at: 2018-07-25 02:08:38
Local clock offset: -2.317 ms
Remote clock offset: -3.174 ms

Below is generated by plot.py at 2018-07-25 03:07:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.422 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.422 ms
Loss rate: 0.13%

Run 8: Report of SReAM — Data Link

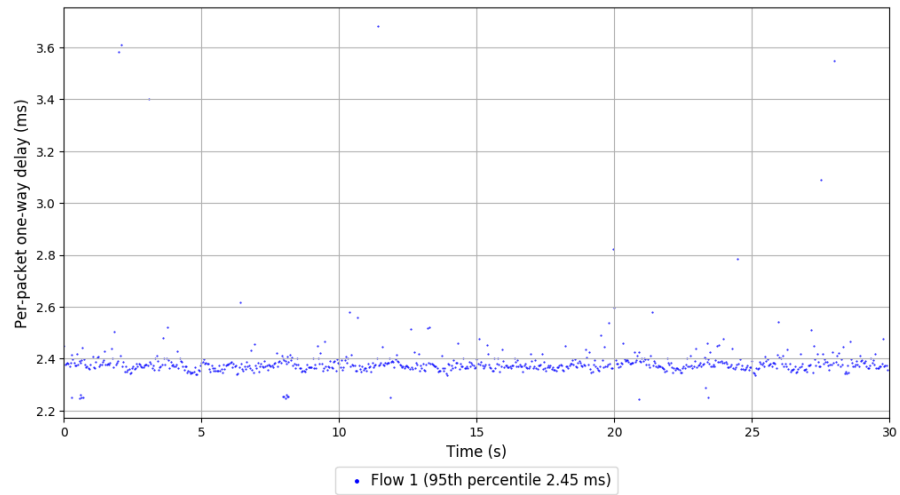
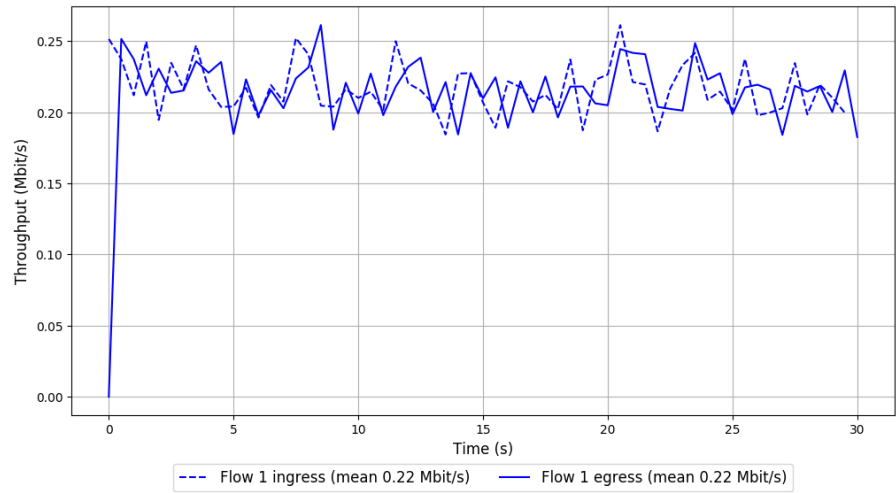


Run 9: Statistics of SCReAM

Start at: 2018-07-25 02:27:10
End at: 2018-07-25 02:27:40
Local clock offset: -1.832 ms
Remote clock offset: -2.108 ms

Below is generated by plot.py at 2018-07-25 03:07:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.448 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.448 ms
Loss rate: 0.13%

Run 9: Report of SReAM — Data Link

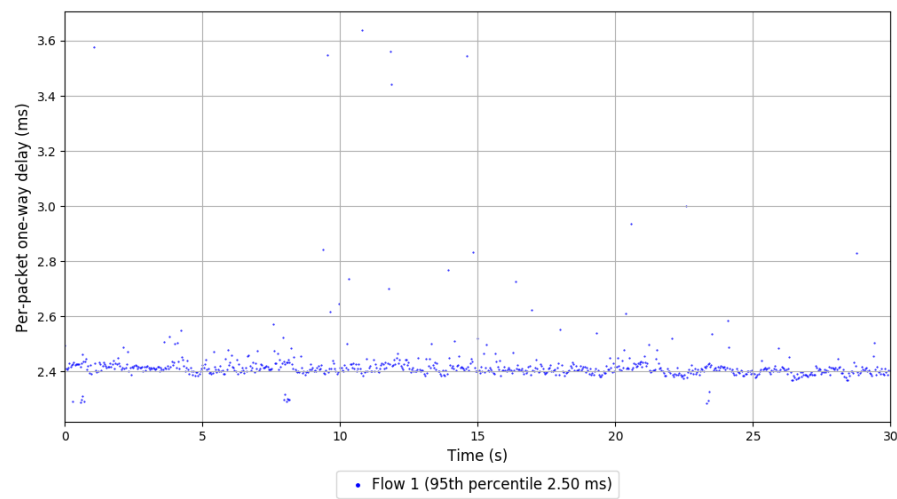
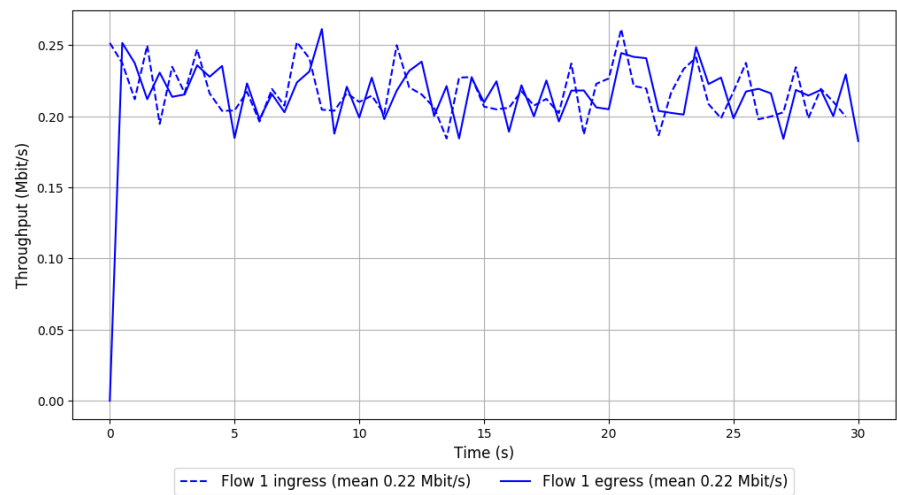


Run 10: Statistics of SReAM

Start at: 2018-07-25 02:46:12
End at: 2018-07-25 02:46:42
Local clock offset: -1.952 ms
Remote clock offset: -1.648 ms

Below is generated by plot.py at 2018-07-25 03:07:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.496 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.496 ms
Loss rate: 0.13%

Run 10: Report of SCReAM — Data Link

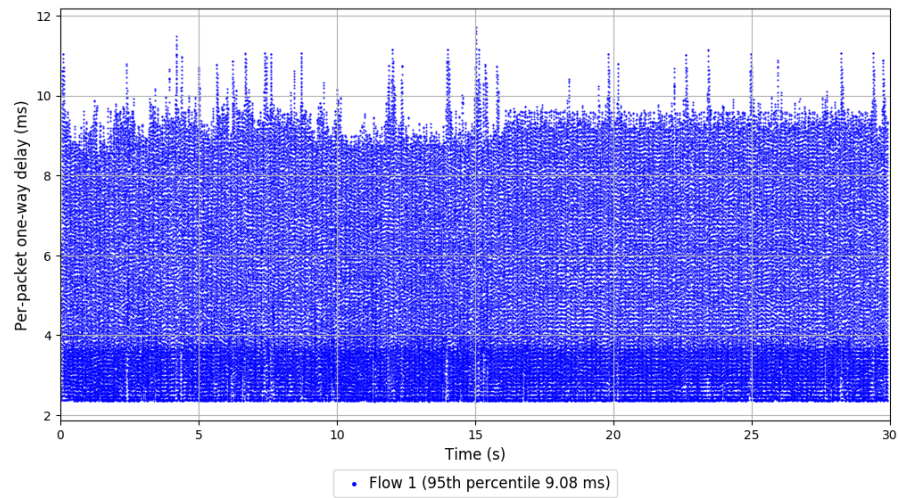
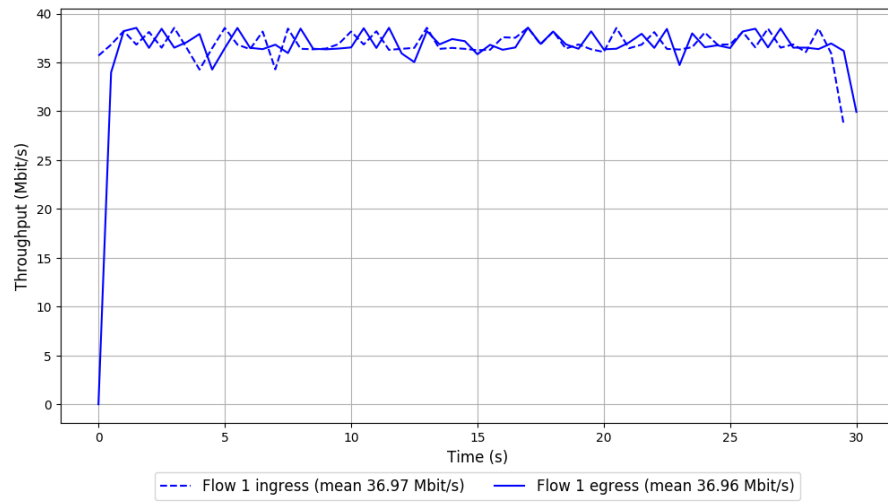


Run 1: Statistics of Sprout

Start at: 2018-07-24 23:46:04
End at: 2018-07-24 23:46:34
Local clock offset: -2.675 ms
Remote clock offset: -2.707 ms

Below is generated by plot.py at 2018-07-25 03:07:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.96 Mbit/s
95th percentile per-packet one-way delay: 9.079 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.96 Mbit/s
95th percentile per-packet one-way delay: 9.079 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

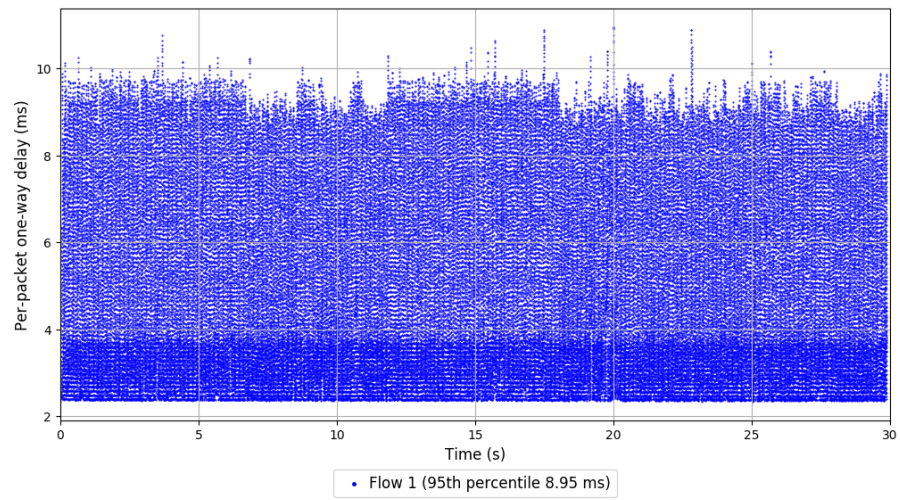
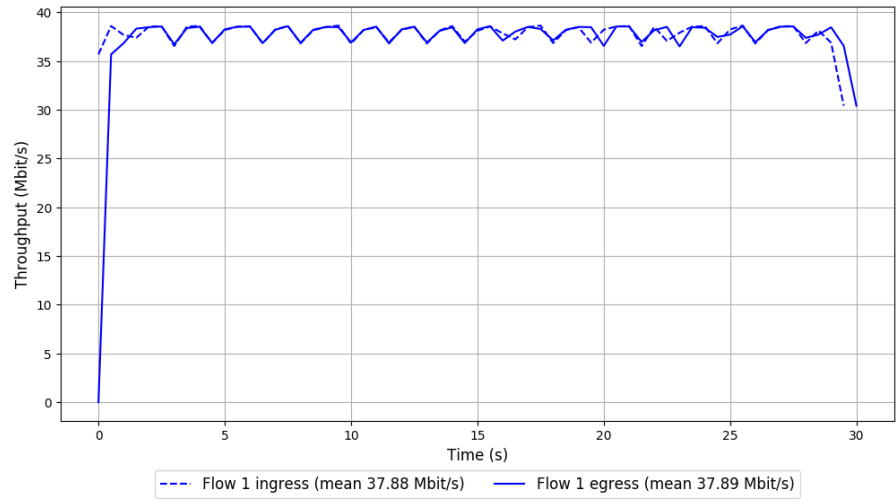


Run 2: Statistics of Sprout

Start at: 2018-07-25 00:05:06
End at: 2018-07-25 00:05:36
Local clock offset: -2.613 ms
Remote clock offset: -2.945 ms

Below is generated by plot.py at 2018-07-25 03:07:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.89 Mbit/s
95th percentile per-packet one-way delay: 8.947 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 37.89 Mbit/s
95th percentile per-packet one-way delay: 8.947 ms
Loss rate: 0.01%

Run 2: Report of Sprout — Data Link

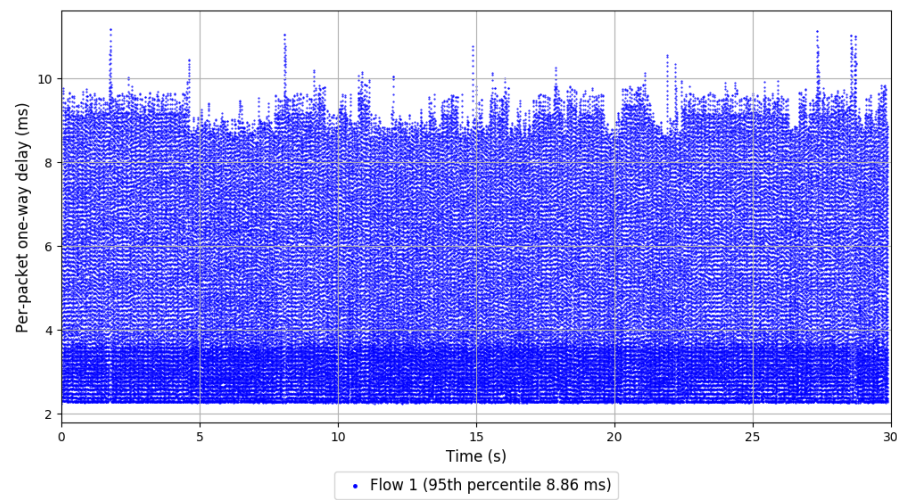
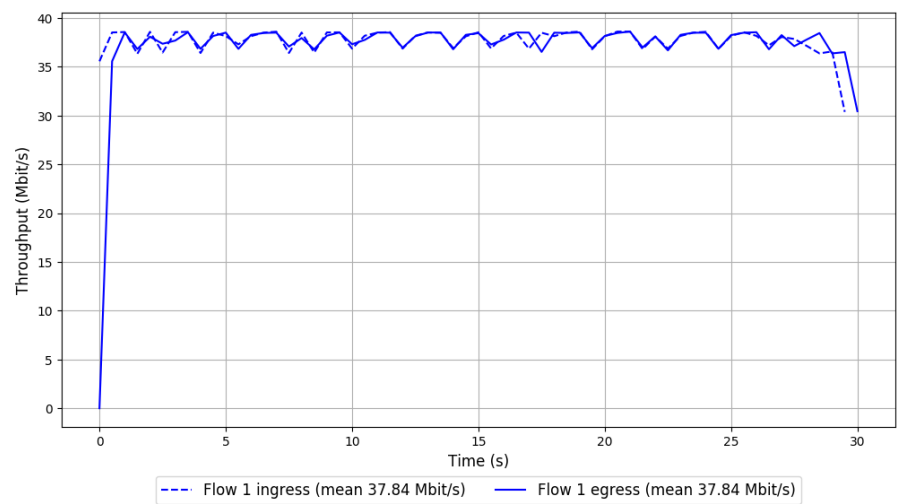


Run 3: Statistics of Sprout

Start at: 2018-07-25 00:24:04
End at: 2018-07-25 00:24:34
Local clock offset: -2.736 ms
Remote clock offset: -3.089 ms

Below is generated by plot.py at 2018-07-25 03:07:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.84 Mbit/s
95th percentile per-packet one-way delay: 8.858 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.84 Mbit/s
95th percentile per-packet one-way delay: 8.858 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

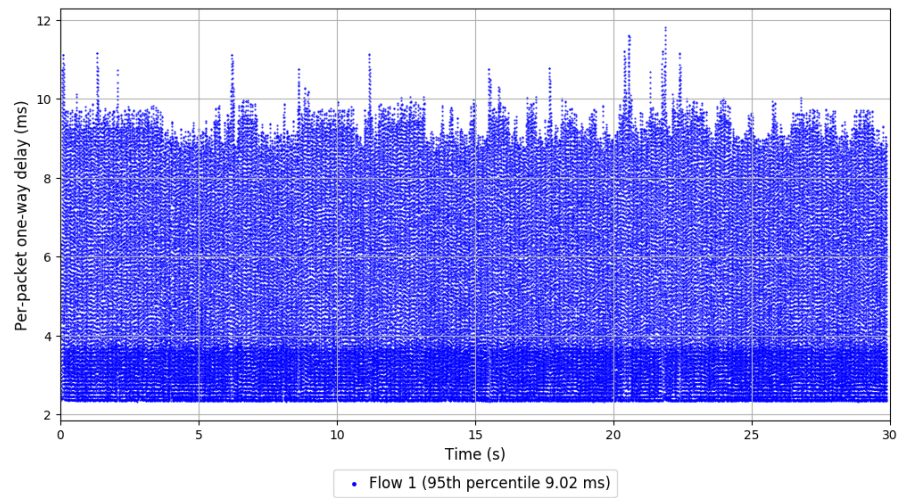
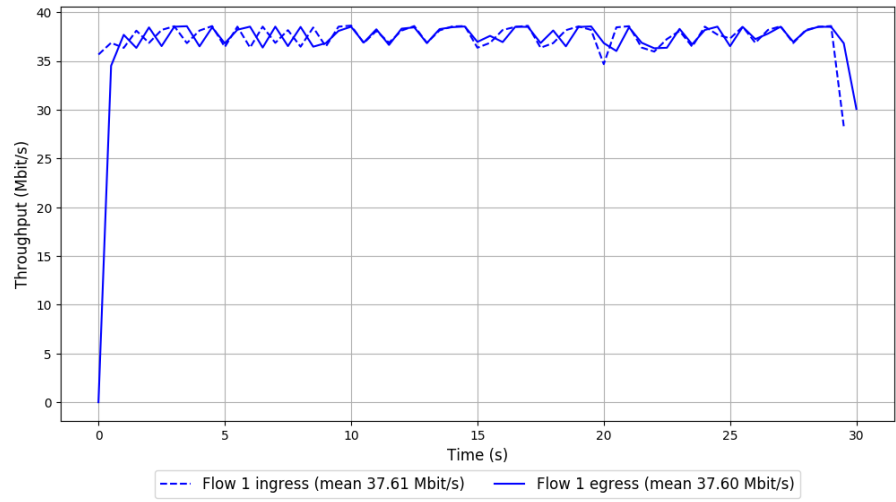


Run 4: Statistics of Sprout

Start at: 2018-07-25 00:43:06
End at: 2018-07-25 00:43:36
Local clock offset: -2.745 ms
Remote clock offset: -3.259 ms

Below is generated by plot.py at 2018-07-25 03:07:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.60 Mbit/s
95th percentile per-packet one-way delay: 9.015 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.60 Mbit/s
95th percentile per-packet one-way delay: 9.015 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

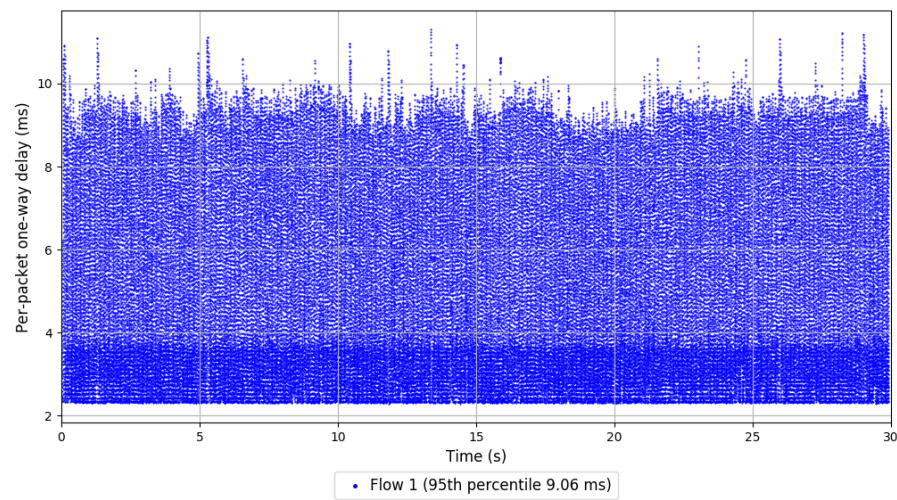
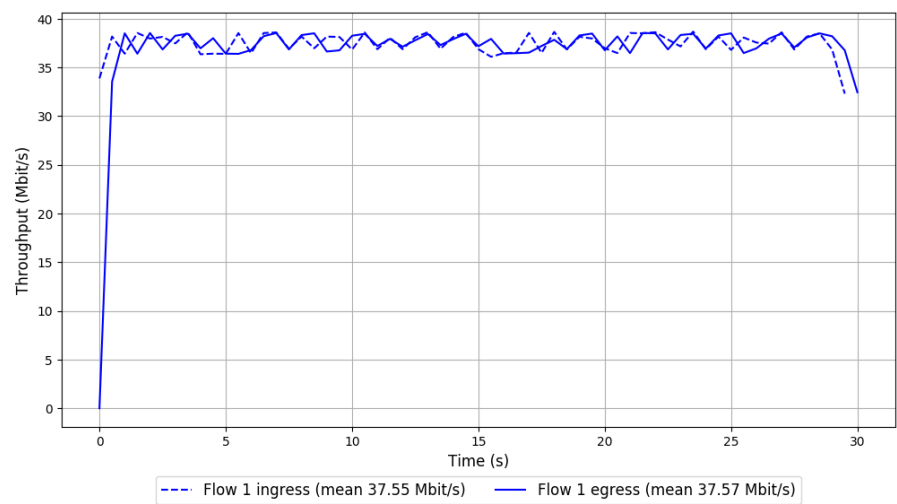


Run 5: Statistics of Sprout

Start at: 2018-07-25 01:02:06
End at: 2018-07-25 01:02:36
Local clock offset: -2.858 ms
Remote clock offset: -3.369 ms

Below is generated by plot.py at 2018-07-25 03:07:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.57 Mbit/s
95th percentile per-packet one-way delay: 9.056 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 37.57 Mbit/s
95th percentile per-packet one-way delay: 9.056 ms
Loss rate: 0.01%

Run 5: Report of Sprout — Data Link

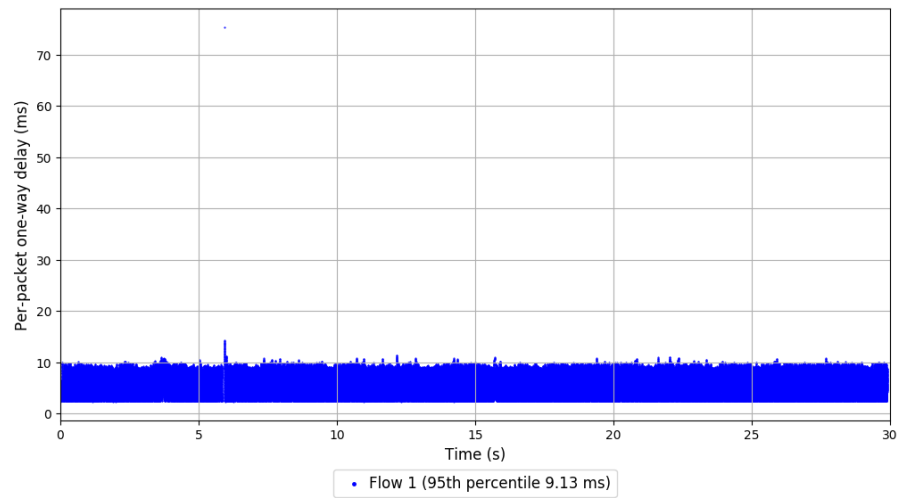
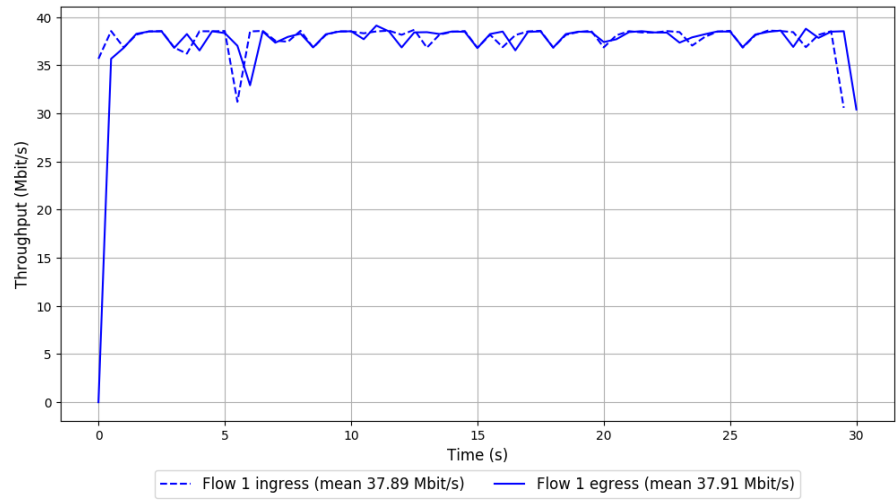


Run 6: Statistics of Sprout

Start at: 2018-07-25 01:21:05
End at: 2018-07-25 01:21:35
Local clock offset: -2.875 ms
Remote clock offset: -2.824 ms

Below is generated by plot.py at 2018-07-25 03:07:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.91 Mbit/s
95th percentile per-packet one-way delay: 9.131 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 37.91 Mbit/s
95th percentile per-packet one-way delay: 9.131 ms
Loss rate: 0.01%

Run 6: Report of Sprout — Data Link

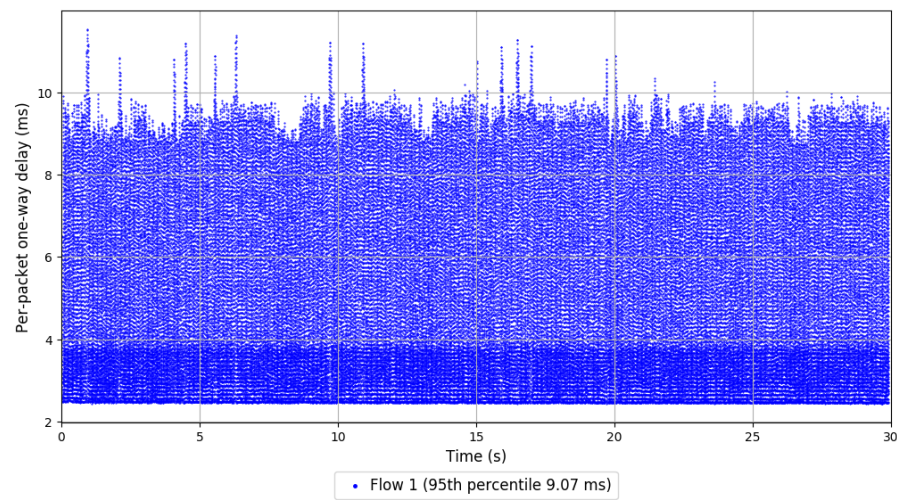
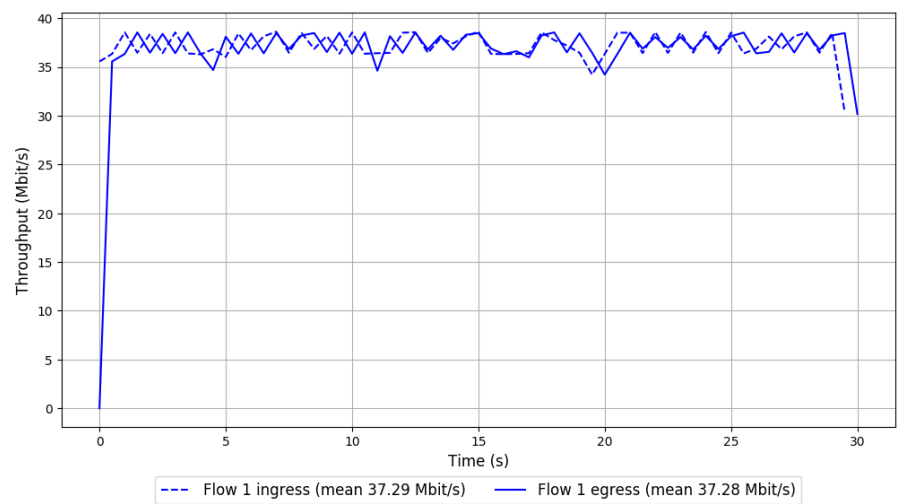


Run 7: Statistics of Sprout

Start at: 2018-07-25 01:40:07
End at: 2018-07-25 01:40:37
Local clock offset: -2.81 ms
Remote clock offset: -2.825 ms

Below is generated by plot.py at 2018-07-25 03:07:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.28 Mbit/s
95th percentile per-packet one-way delay: 9.074 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 37.28 Mbit/s
95th percentile per-packet one-way delay: 9.074 ms
Loss rate: 0.01%

Run 7: Report of Sprout — Data Link

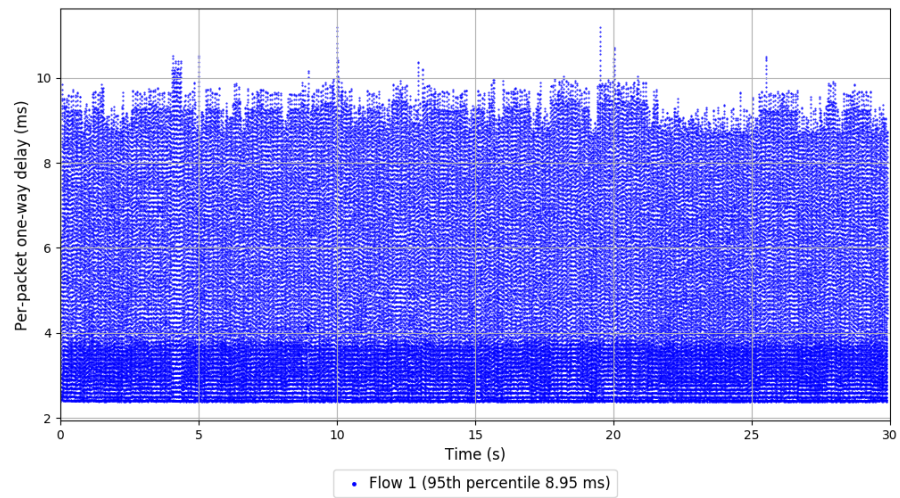
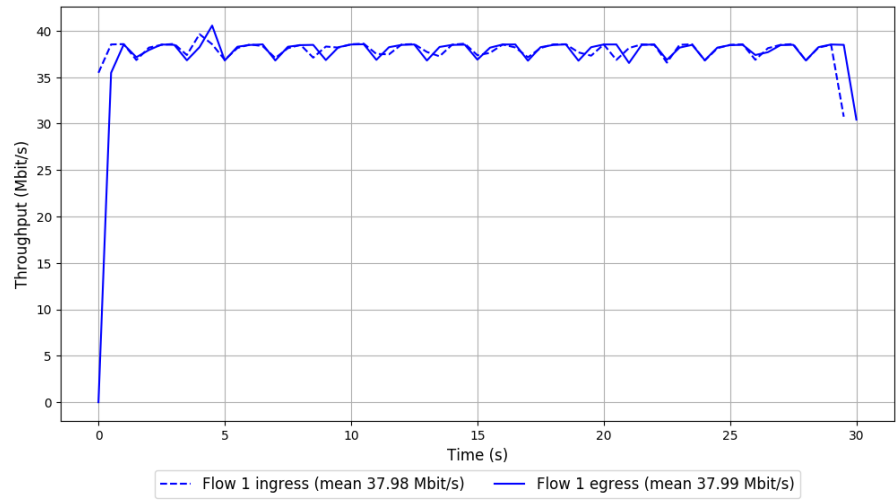


Run 8: Statistics of Sprout

Start at: 2018-07-25 01:59:09
End at: 2018-07-25 01:59:39
Local clock offset: -2.832 ms
Remote clock offset: -3.195 ms

Below is generated by plot.py at 2018-07-25 03:07:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.99 Mbit/s
95th percentile per-packet one-way delay: 8.950 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 37.99 Mbit/s
95th percentile per-packet one-way delay: 8.950 ms
Loss rate: 0.01%

Run 8: Report of Sprout — Data Link

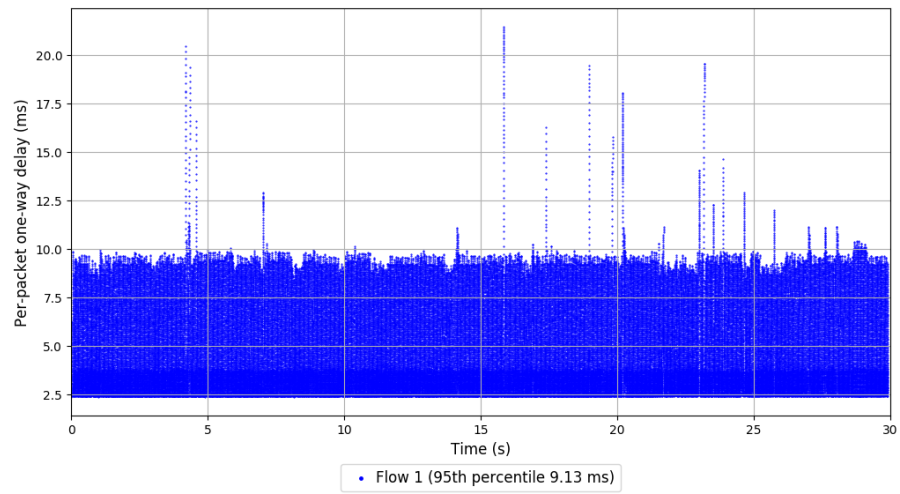
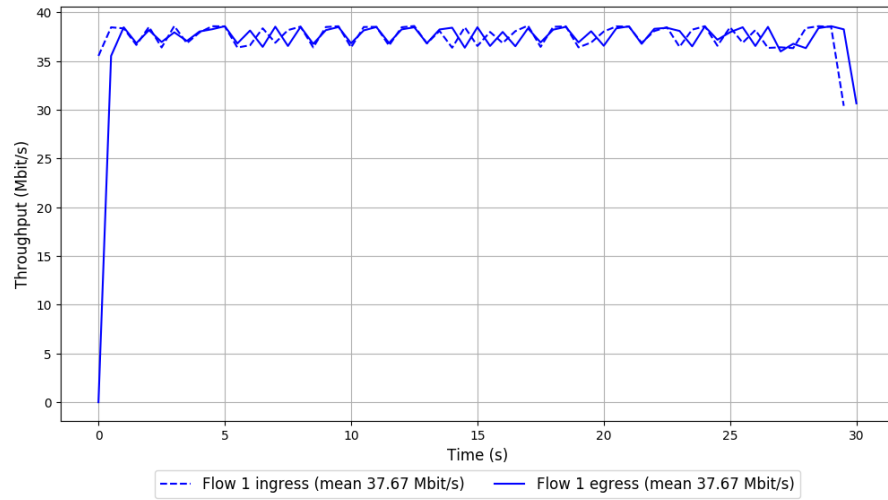


Run 9: Statistics of Sprout

Start at: 2018-07-25 02:18:12
End at: 2018-07-25 02:18:42
Local clock offset: -1.998 ms
Remote clock offset: -2.612 ms

Below is generated by plot.py at 2018-07-25 03:07:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.67 Mbit/s
95th percentile per-packet one-way delay: 9.128 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.67 Mbit/s
95th percentile per-packet one-way delay: 9.128 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

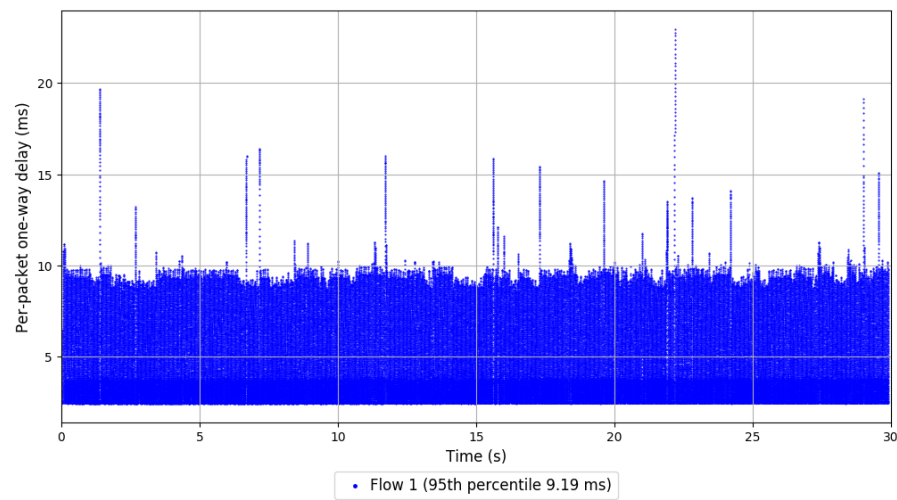
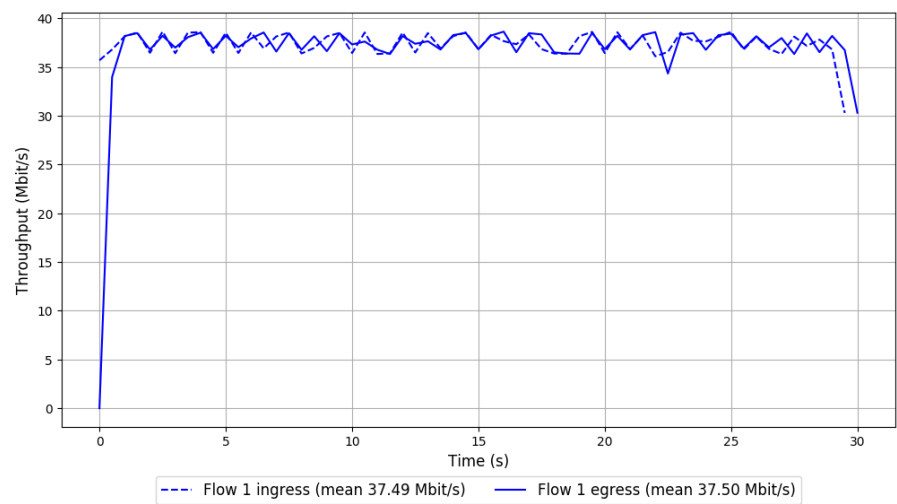


Run 10: Statistics of Sprout

Start at: 2018-07-25 02:37:13
End at: 2018-07-25 02:37:43
Local clock offset: -1.893 ms
Remote clock offset: -1.859 ms

Below is generated by plot.py at 2018-07-25 03:07:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.50 Mbit/s
95th percentile per-packet one-way delay: 9.185 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 37.50 Mbit/s
95th percentile per-packet one-way delay: 9.185 ms
Loss rate: 0.01%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-07-24 23:39:20

End at: 2018-07-24 23:39:50

Local clock offset: -2.823 ms

Remote clock offset: -2.822 ms

Below is generated by plot.py at 2018-07-25 03:09:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.04 Mbit/s

95th percentile per-packet one-way delay: 3.019 ms

Loss rate: 0.02%

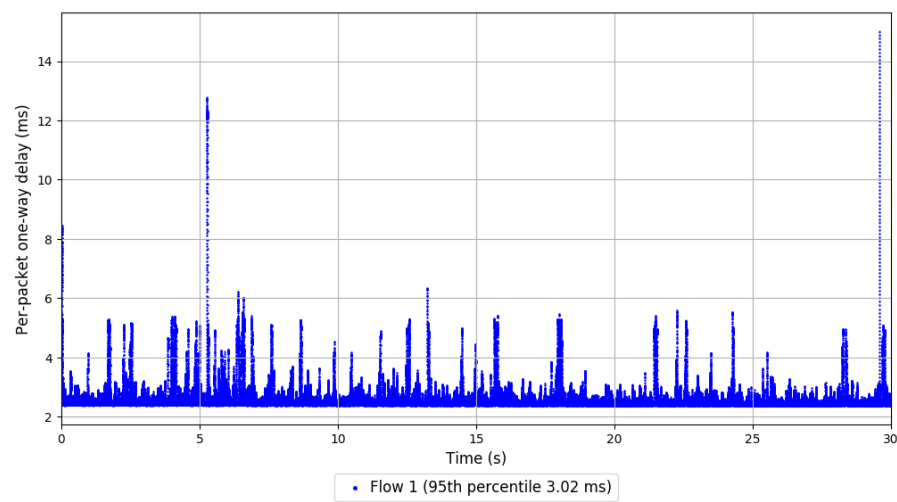
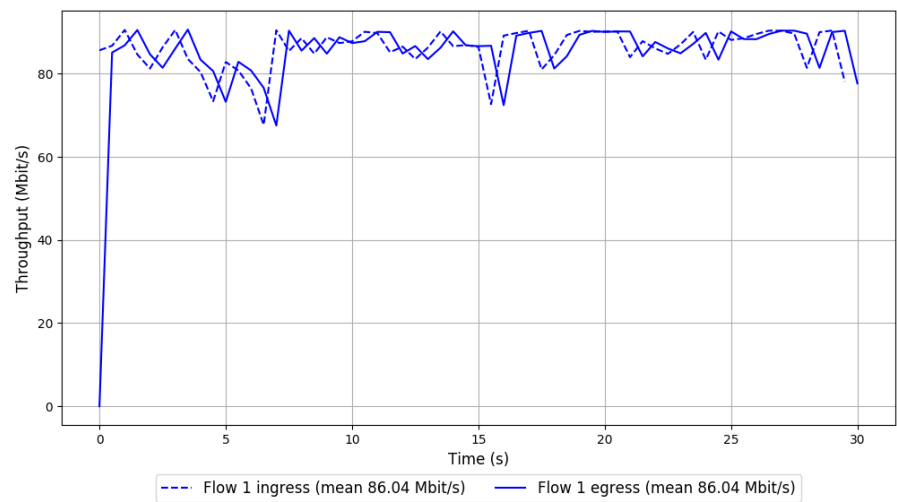
-- Flow 1:

Average throughput: 86.04 Mbit/s

95th percentile per-packet one-way delay: 3.019 ms

Loss rate: 0.02%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-24 23:58:22

End at: 2018-07-24 23:58:52

Local clock offset: -2.685 ms

Remote clock offset: -2.799 ms

Below is generated by plot.py at 2018-07-25 03:09:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.85 Mbit/s

95th percentile per-packet one-way delay: 2.468 ms

Loss rate: 0.02%

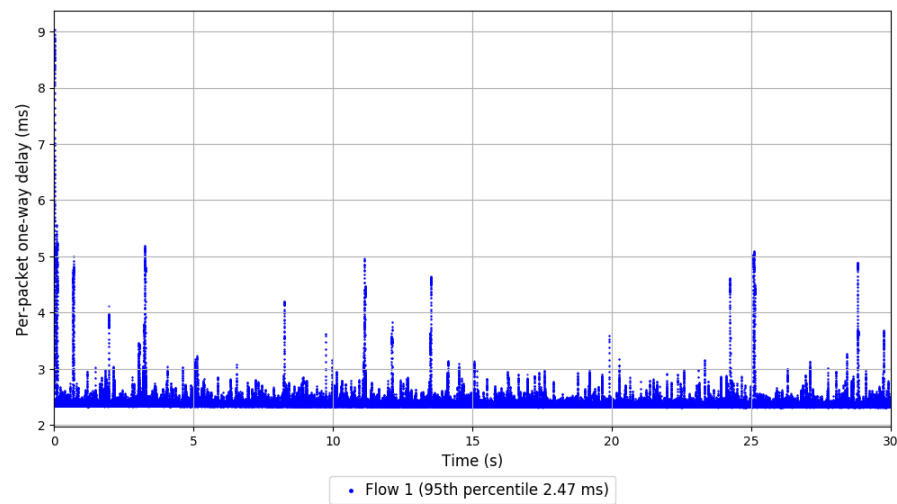
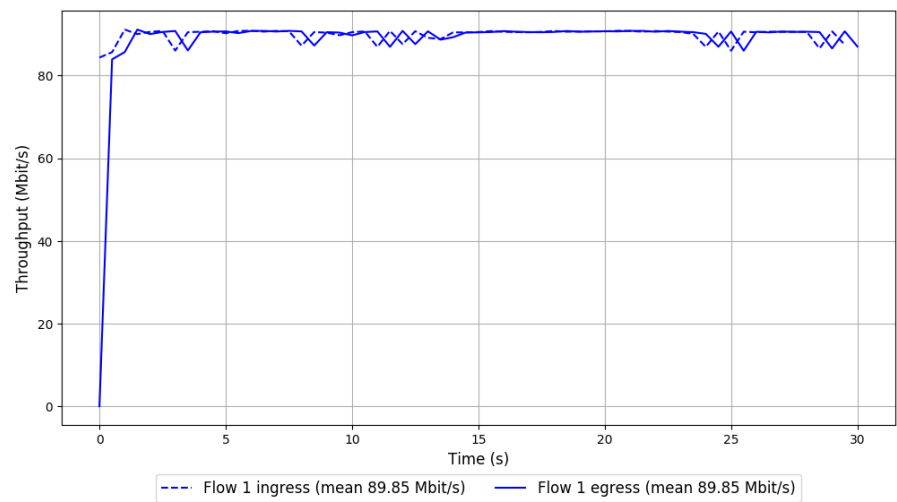
-- Flow 1:

Average throughput: 89.85 Mbit/s

95th percentile per-packet one-way delay: 2.468 ms

Loss rate: 0.02%

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

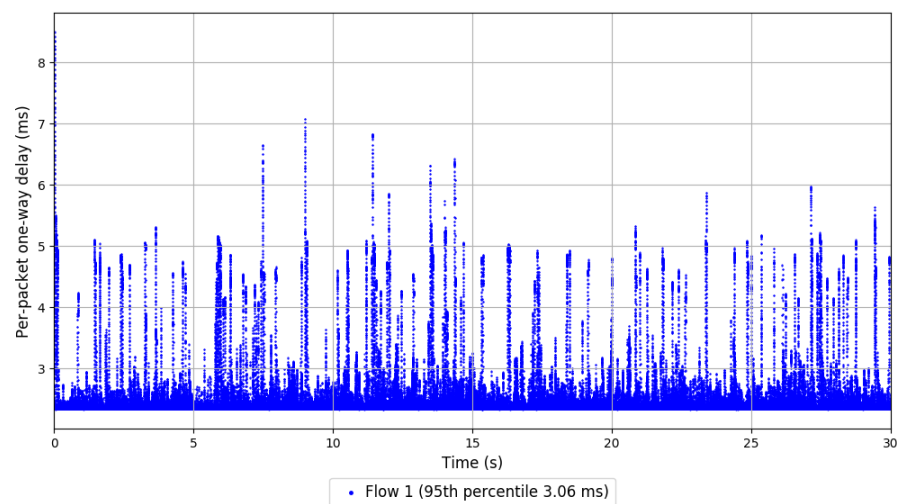
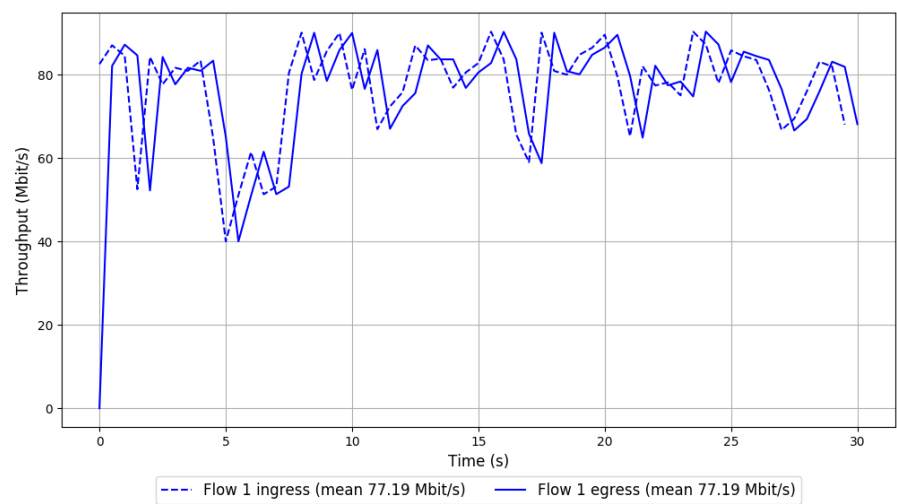


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-25 00:17:20
End at: 2018-07-25 00:17:50
Local clock offset: -2.657 ms
Remote clock offset: -3.075 ms

Below is generated by plot.py at 2018-07-25 03:09:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.19 Mbit/s
95th percentile per-packet one-way delay: 3.058 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 77.19 Mbit/s
95th percentile per-packet one-way delay: 3.058 ms
Loss rate: 0.01%

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

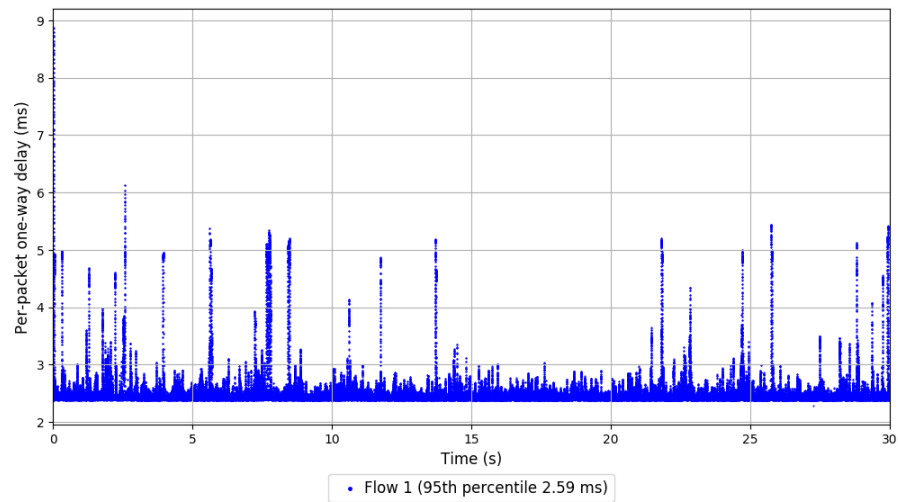
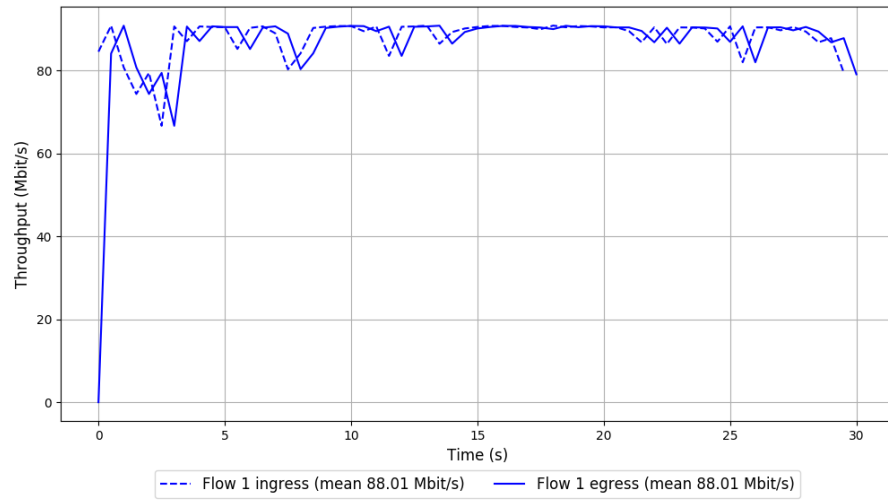


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-25 00:36:21
End at: 2018-07-25 00:36:51
Local clock offset: -2.712 ms
Remote clock offset: -3.251 ms

Below is generated by plot.py at 2018-07-25 03:09:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.01 Mbit/s
95th percentile per-packet one-way delay: 2.590 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 88.01 Mbit/s
95th percentile per-packet one-way delay: 2.590 ms
Loss rate: 0.02%

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

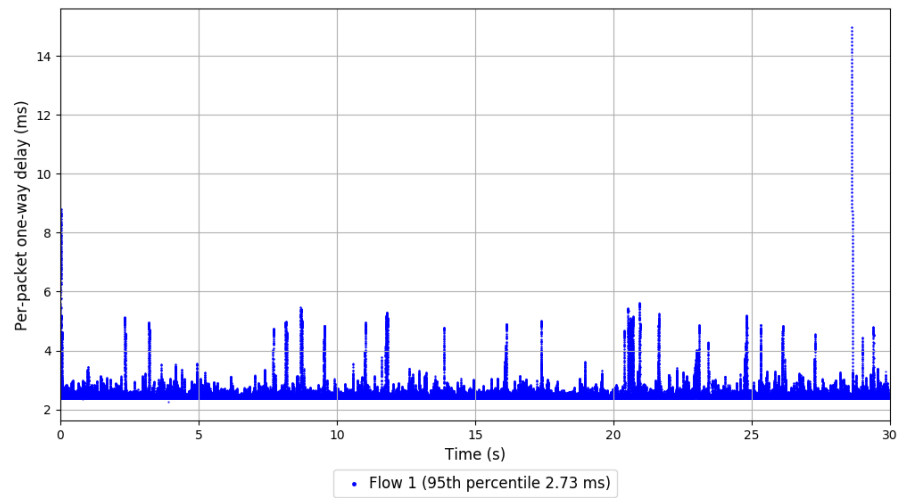
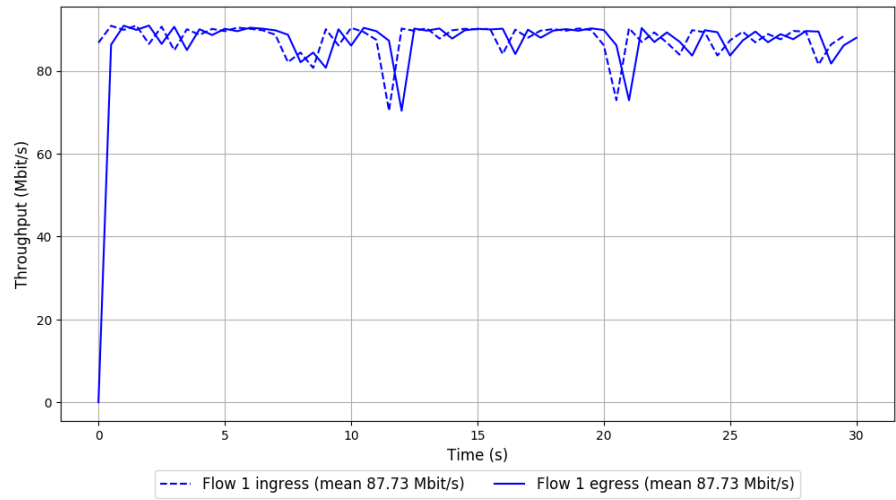


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-25 00:55:21
End at: 2018-07-25 00:55:51
Local clock offset: -2.761 ms
Remote clock offset: -3.342 ms

Below is generated by plot.py at 2018-07-25 03:09:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.73 Mbit/s
95th percentile per-packet one-way delay: 2.726 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 87.73 Mbit/s
95th percentile per-packet one-way delay: 2.726 ms
Loss rate: 0.02%

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

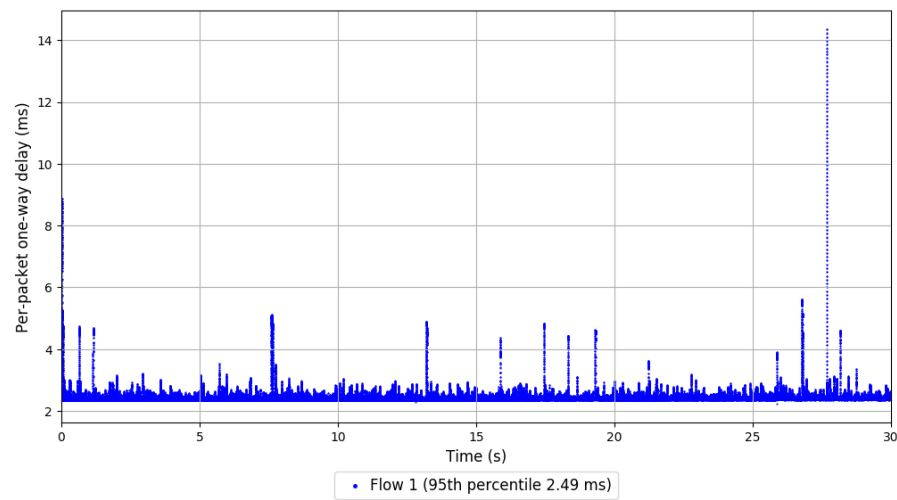
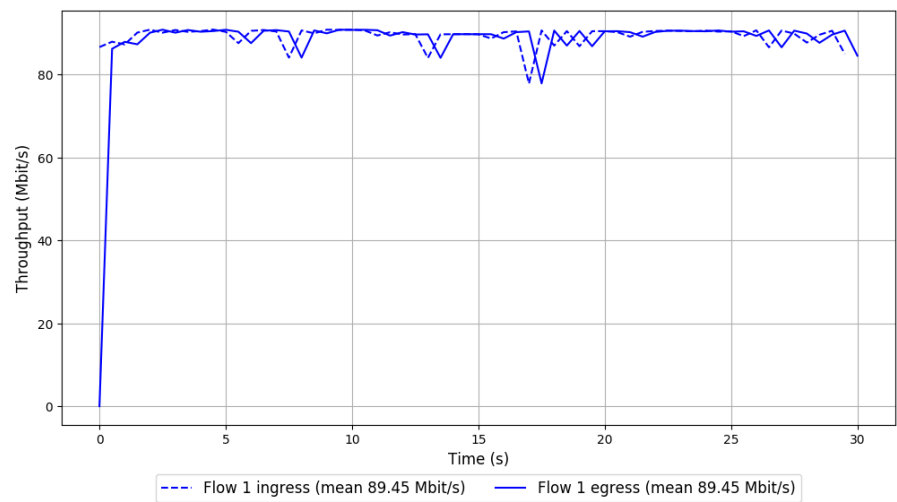


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-25 01:14:20
End at: 2018-07-25 01:14:50
Local clock offset: -2.854 ms
Remote clock offset: -2.897 ms

Below is generated by plot.py at 2018-07-25 03:09:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.45 Mbit/s
95th percentile per-packet one-way delay: 2.488 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.45 Mbit/s
95th percentile per-packet one-way delay: 2.488 ms
Loss rate: 0.02%

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

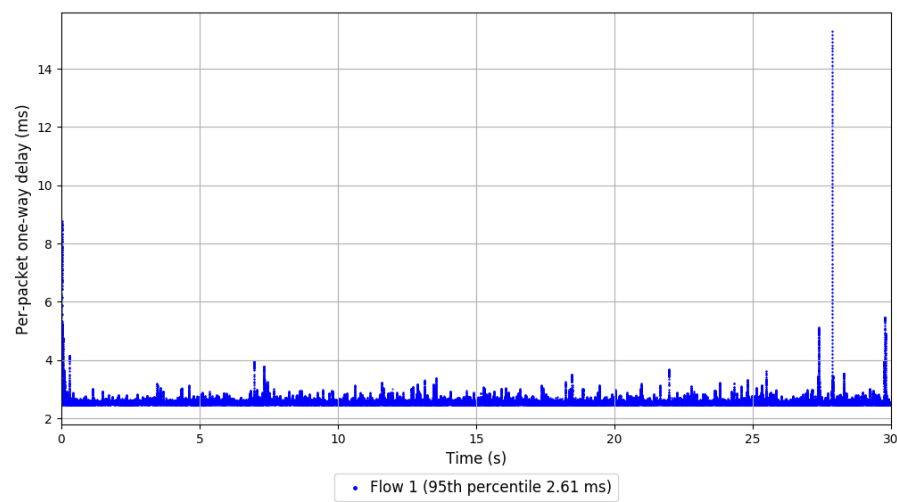
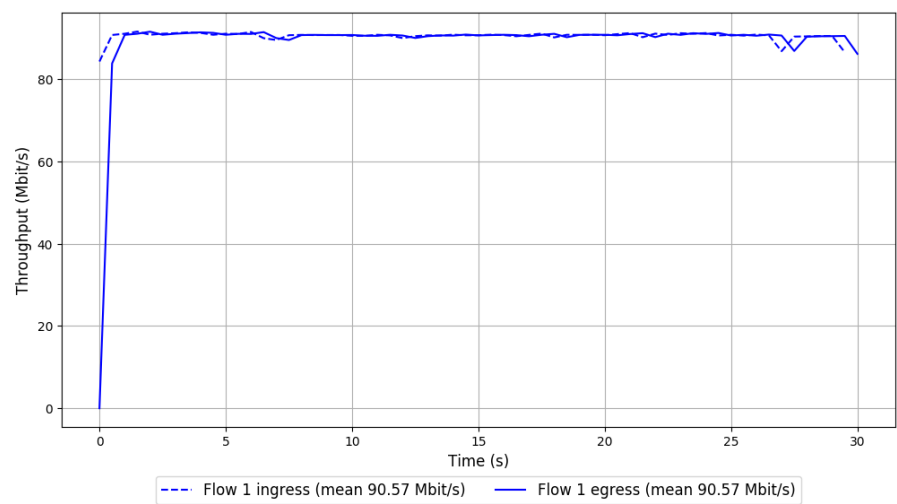


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-25 01:33:23
End at: 2018-07-25 01:33:53
Local clock offset: -2.884 ms
Remote clock offset: -2.784 ms

Below is generated by plot.py at 2018-07-25 03:09:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.57 Mbit/s
95th percentile per-packet one-way delay: 2.609 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 90.57 Mbit/s
95th percentile per-packet one-way delay: 2.609 ms
Loss rate: 0.02%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-25 01:52:24

End at: 2018-07-25 01:52:54

Local clock offset: -2.768 ms

Remote clock offset: -3.077 ms

Below is generated by plot.py at 2018-07-25 03:09:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.65 Mbit/s

95th percentile per-packet one-way delay: 2.477 ms

Loss rate: 0.02%

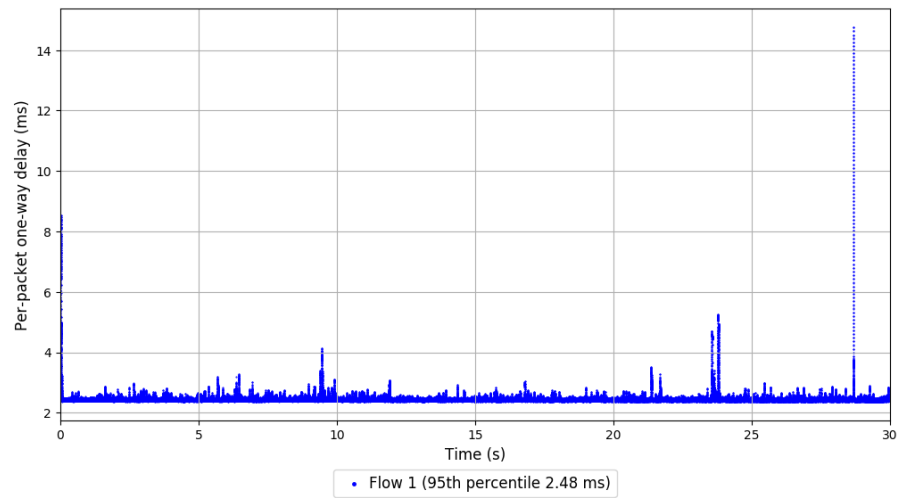
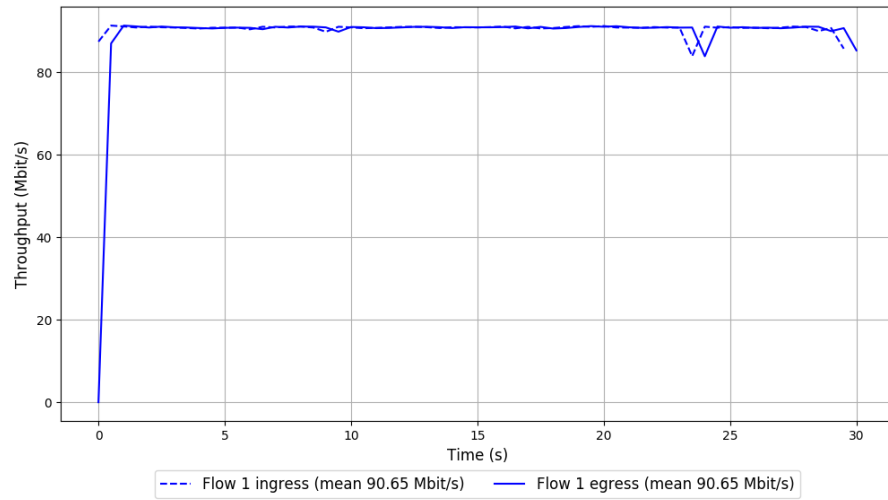
-- Flow 1:

Average throughput: 90.65 Mbit/s

95th percentile per-packet one-way delay: 2.477 ms

Loss rate: 0.02%

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

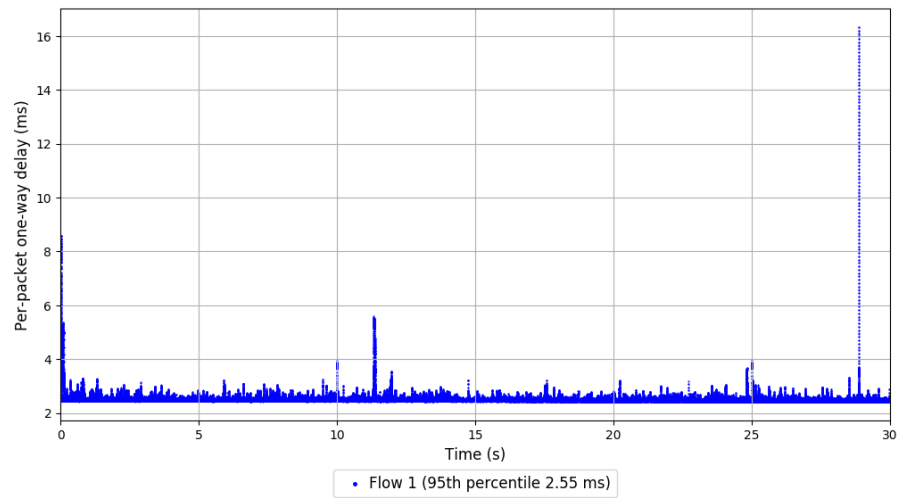
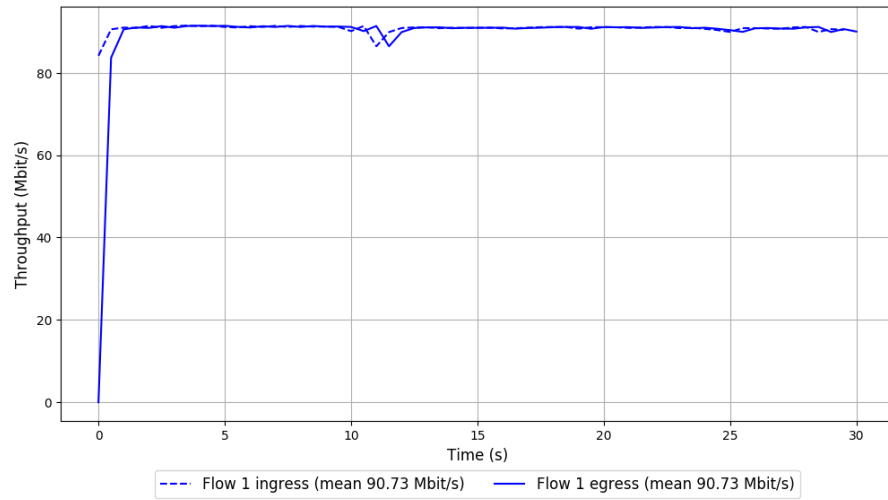


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-25 02:11:27
End at: 2018-07-25 02:11:57
Local clock offset: -2.182 ms
Remote clock offset: -3.244 ms

Below is generated by plot.py at 2018-07-25 03:10:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.73 Mbit/s
95th percentile per-packet one-way delay: 2.548 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 90.73 Mbit/s
95th percentile per-packet one-way delay: 2.548 ms
Loss rate: 0.02%

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

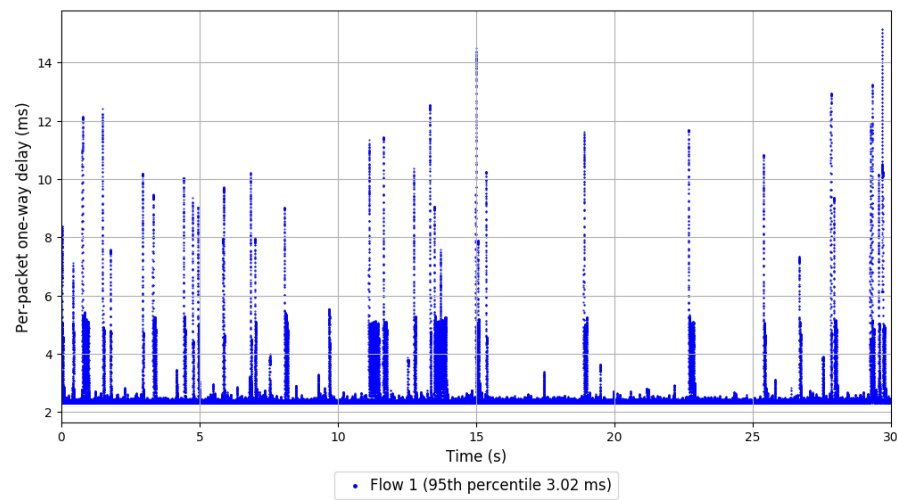
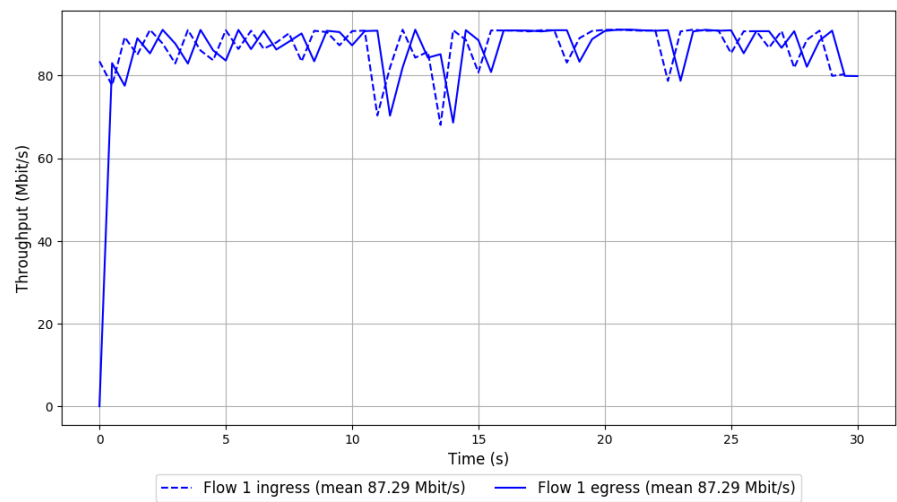


Run 10: Statistics of TaoVA-100x

Start at: 2018-07-25 02:30:29
End at: 2018-07-25 02:30:59
Local clock offset: -1.791 ms
Remote clock offset: -1.975 ms

Below is generated by plot.py at 2018-07-25 03:10:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.29 Mbit/s
95th percentile per-packet one-way delay: 3.020 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 87.29 Mbit/s
95th percentile per-packet one-way delay: 3.020 ms
Loss rate: 0.02%

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

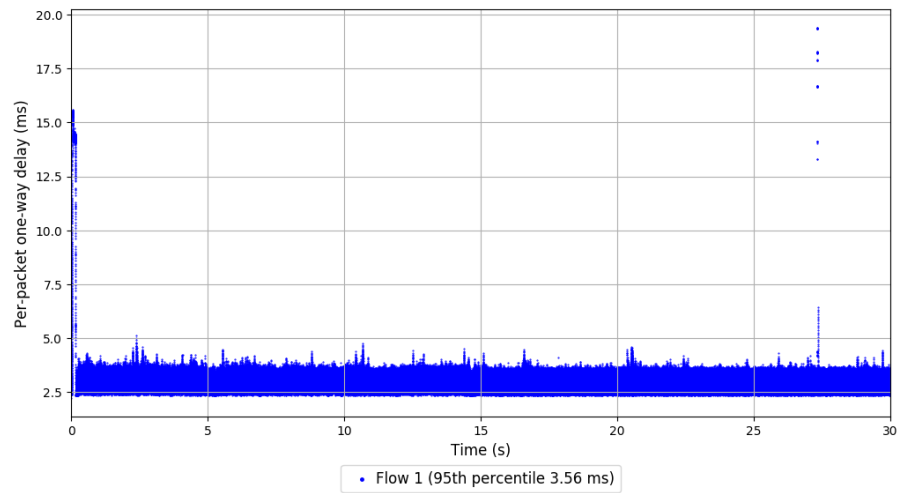
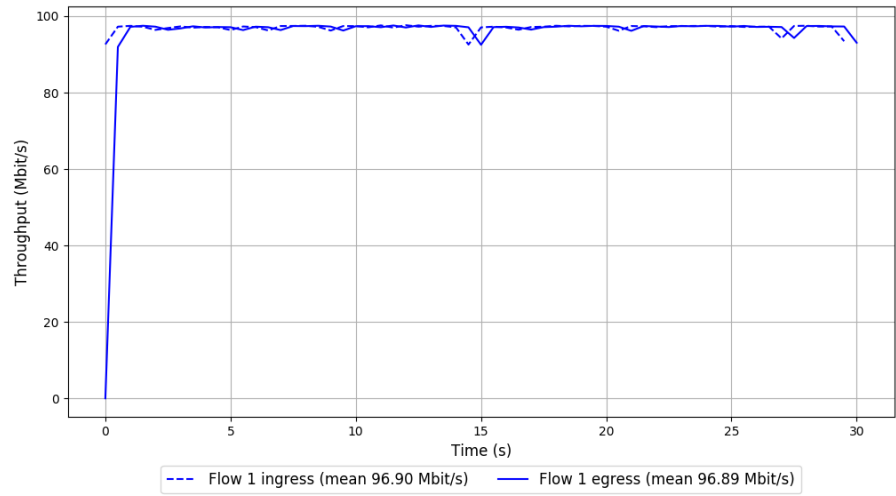


Run 1: Statistics of TCP Vegas

Start at: 2018-07-24 23:41:36
End at: 2018-07-24 23:42:06
Local clock offset: -2.819 ms
Remote clock offset: -2.803 ms

Below is generated by plot.py at 2018-07-25 03:10:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.89 Mbit/s
95th percentile per-packet one-way delay: 3.559 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.89 Mbit/s
95th percentile per-packet one-way delay: 3.559 ms
Loss rate: 0.02%

Run 1: Report of TCP Vegas — Data Link

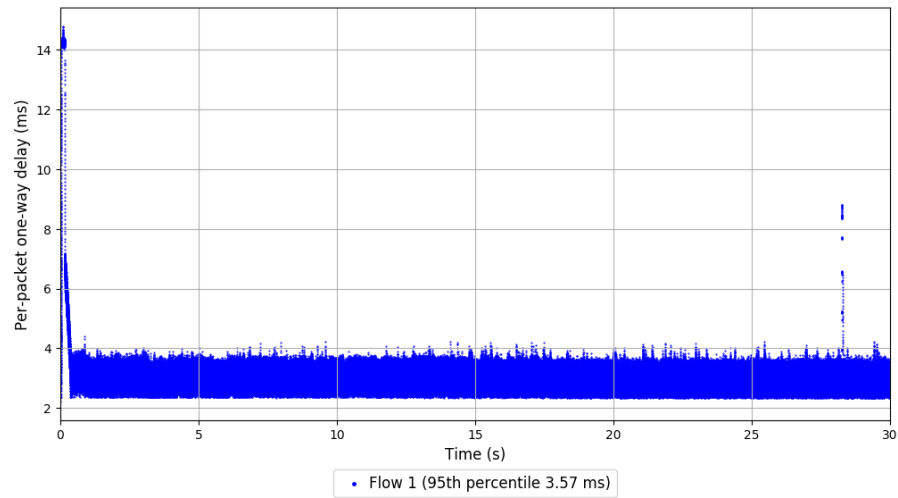
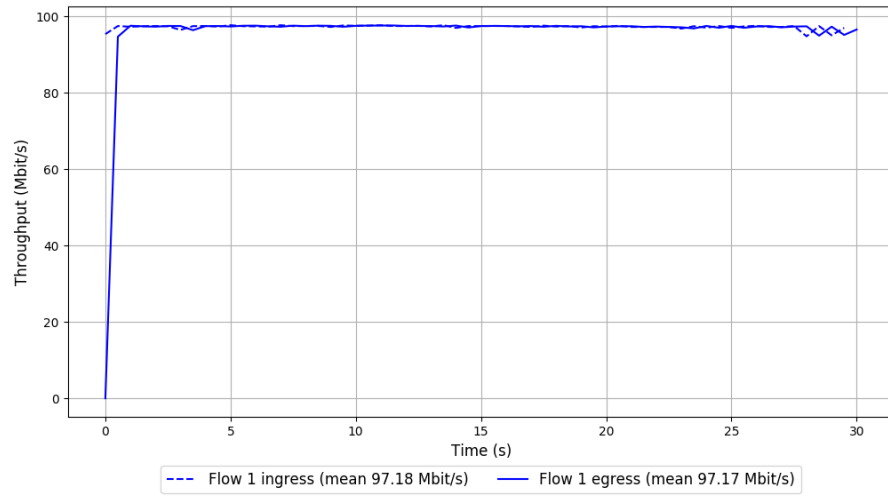


Run 2: Statistics of TCP Vegas

Start at: 2018-07-25 00:00:38
End at: 2018-07-25 00:01:08
Local clock offset: -2.631 ms
Remote clock offset: -2.829 ms

Below is generated by plot.py at 2018-07-25 03:10:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 3.570 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 3.570 ms
Loss rate: 0.02%

Run 2: Report of TCP Vegas — Data Link

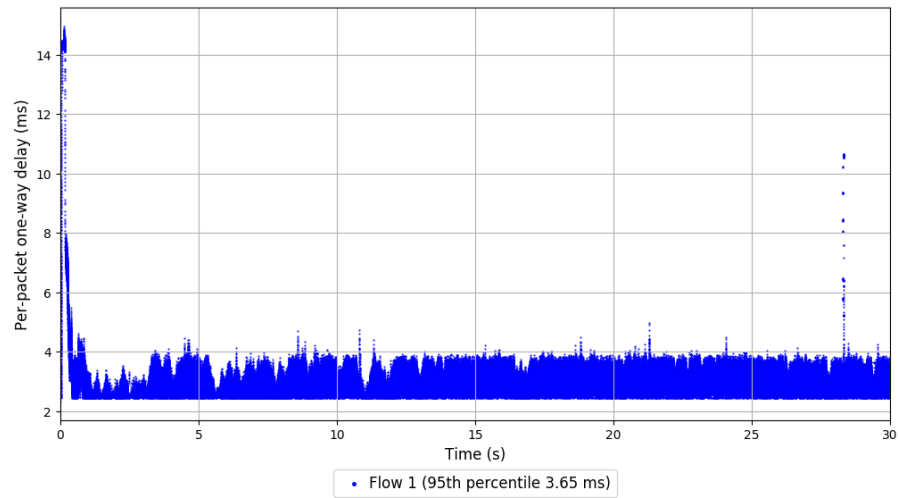
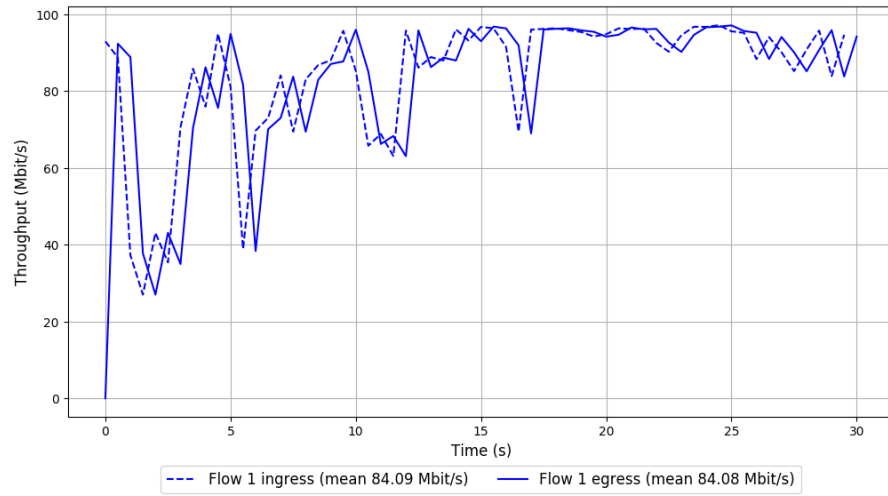


Run 3: Statistics of TCP Vegas

Start at: 2018-07-25 00:19:35
End at: 2018-07-25 00:20:05
Local clock offset: -2.669 ms
Remote clock offset: -3.18 ms

Below is generated by plot.py at 2018-07-25 03:10:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.08 Mbit/s
95th percentile per-packet one-way delay: 3.648 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 84.08 Mbit/s
95th percentile per-packet one-way delay: 3.648 ms
Loss rate: 0.02%

Run 3: Report of TCP Vegas — Data Link

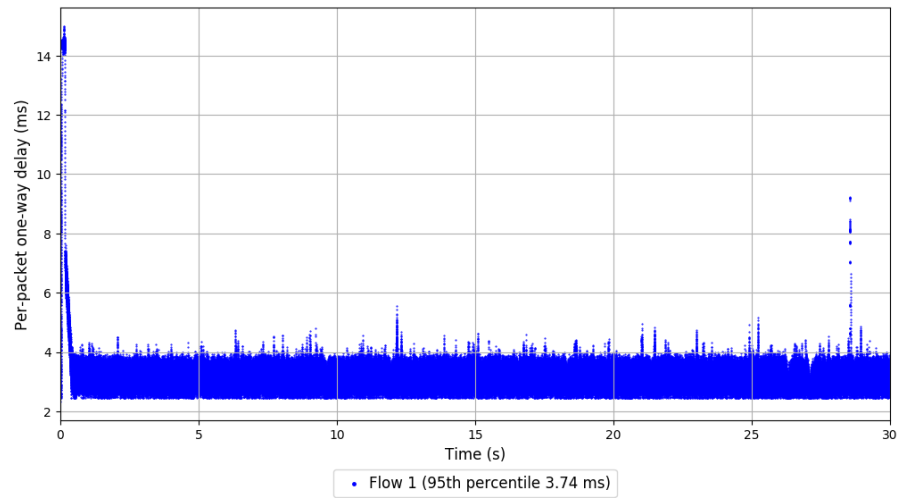
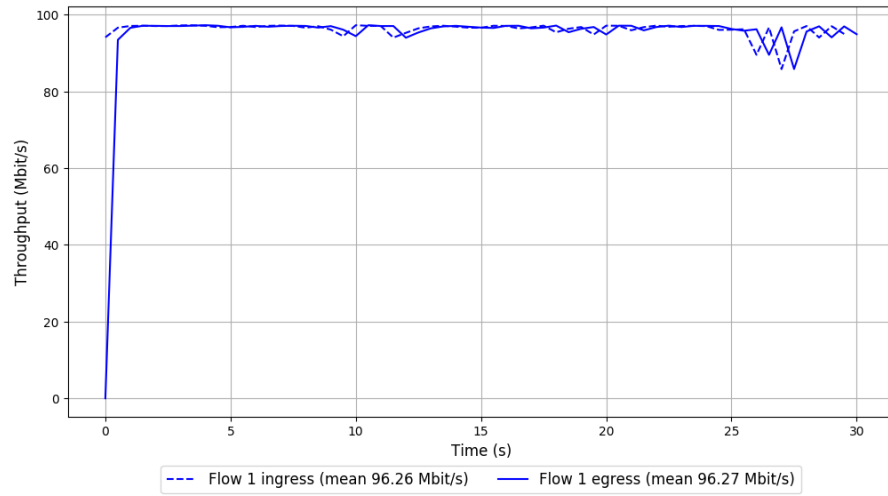


Run 4: Statistics of TCP Vegas

Start at: 2018-07-25 00:38:37
End at: 2018-07-25 00:39:07
Local clock offset: -2.704 ms
Remote clock offset: -3.313 ms

Below is generated by plot.py at 2018-07-25 03:10:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 3.738 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 3.738 ms
Loss rate: 0.01%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-25 00:57:37

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

Local clock offset: -2.79 ms

Remote clock offset: -3.33 ms

Below is generated by plot.py at 2018-07-25 03:10:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.18 Mbit/s

95th percentile per-packet one-way delay: 3.679 ms

Loss rate: 0.02%

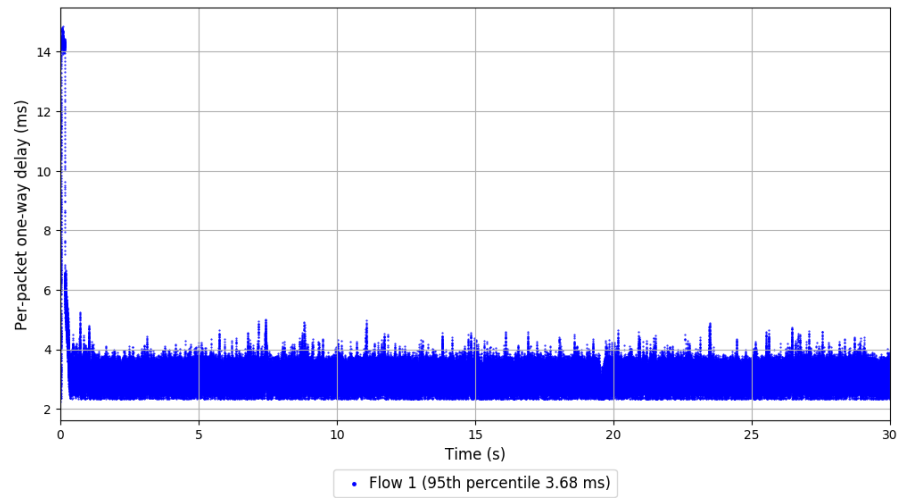
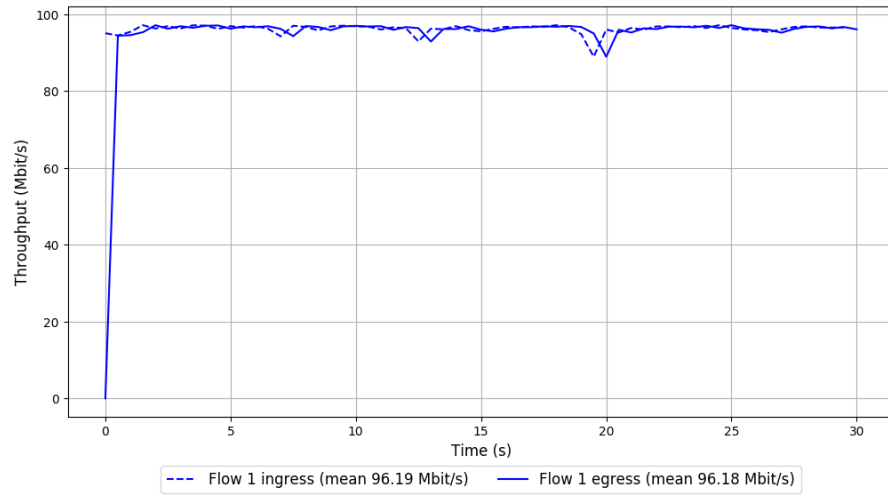
-- Flow 1:

Average throughput: 96.18 Mbit/s

95th percentile per-packet one-way delay: 3.679 ms

Loss rate: 0.02%

Run 5: Report of TCP Vegas — Data Link

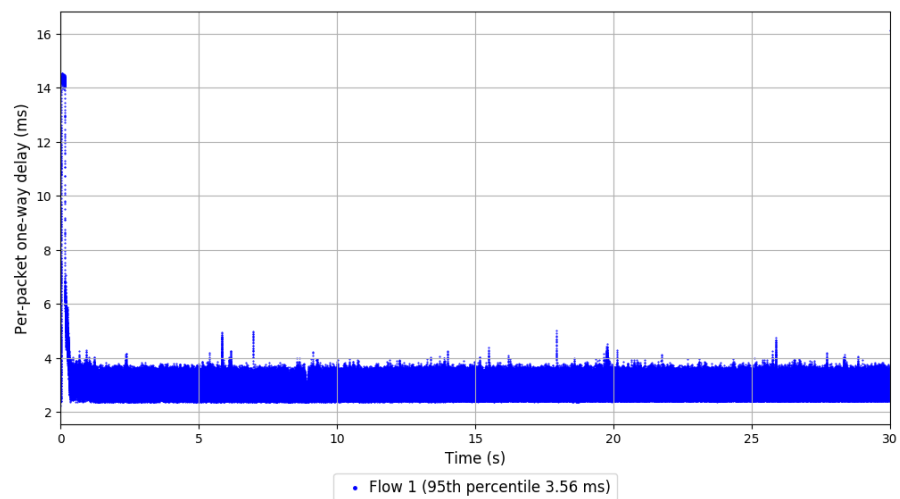
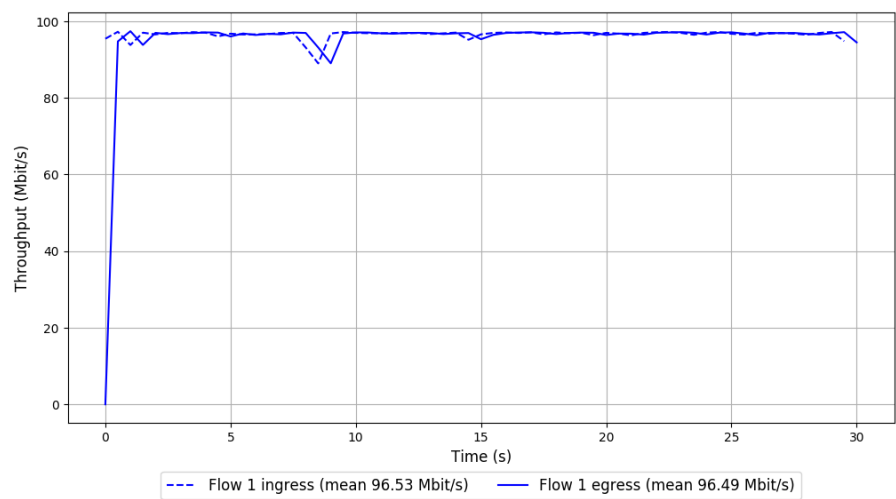


Run 6: Statistics of TCP Vegas

Start at: 2018-07-25 01:16:36
End at: 2018-07-25 01:17:06
Local clock offset: -2.864 ms
Remote clock offset: -2.865 ms

Below is generated by plot.py at 2018-07-25 03:10:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.49 Mbit/s
95th percentile per-packet one-way delay: 3.565 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.49 Mbit/s
95th percentile per-packet one-way delay: 3.565 ms
Loss rate: 0.02%

Run 6: Report of TCP Vegas — Data Link

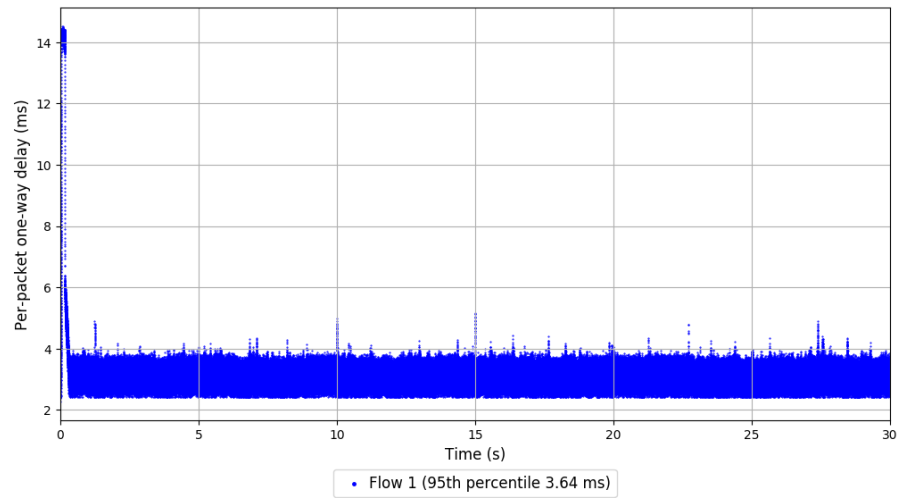
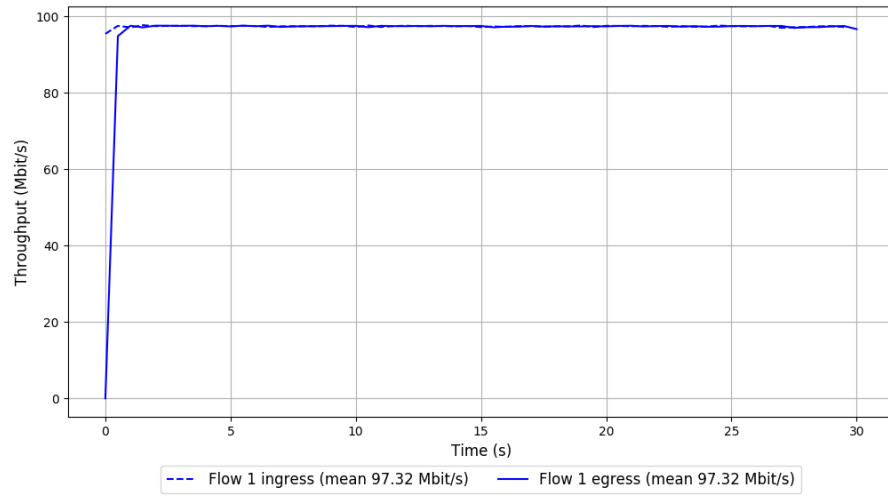


Run 7: Statistics of TCP Vegas

Start at: 2018-07-25 01:35:39
End at: 2018-07-25 01:36:09
Local clock offset: -2.856 ms
Remote clock offset: -2.682 ms

Below is generated by plot.py at 2018-07-25 03:11:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.32 Mbit/s
95th percentile per-packet one-way delay: 3.637 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.32 Mbit/s
95th percentile per-packet one-way delay: 3.637 ms
Loss rate: 0.02%

Run 7: Report of TCP Vegas — Data Link

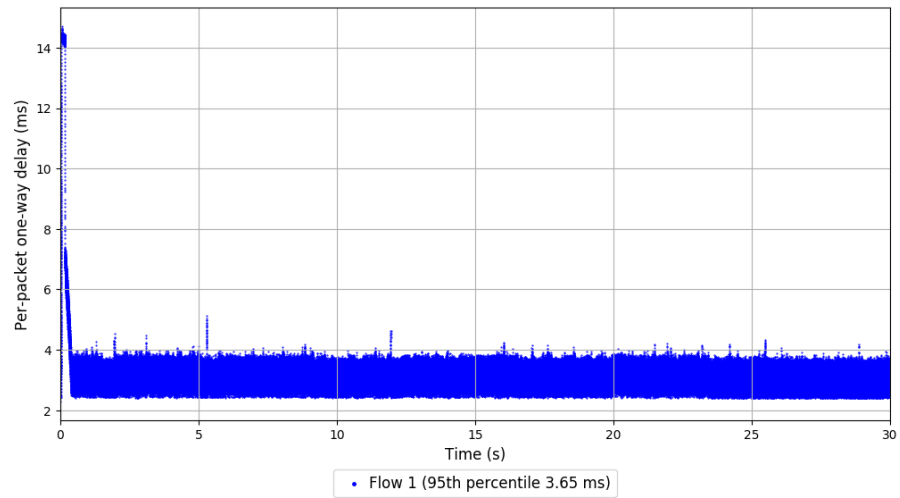
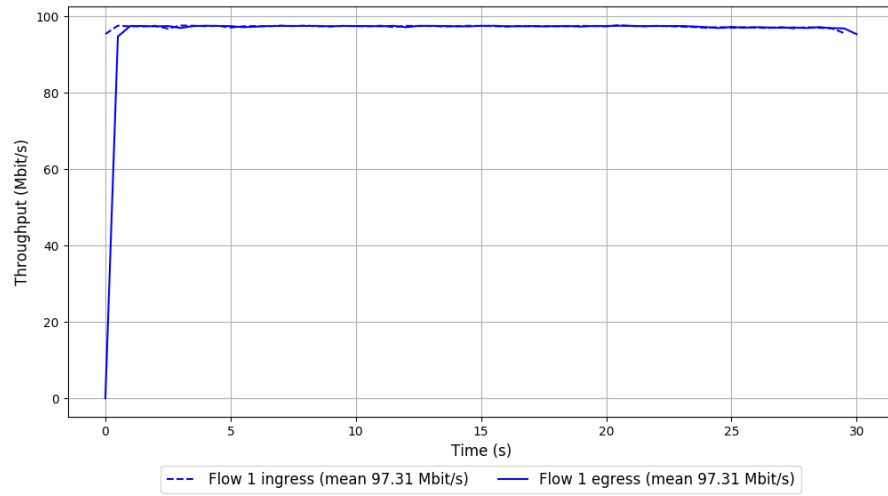


Run 8: Statistics of TCP Vegas

Start at: 2018-07-25 01:54:40
End at: 2018-07-25 01:55:10
Local clock offset: -2.752 ms
Remote clock offset: -3.105 ms

Below is generated by plot.py at 2018-07-25 03:11:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.31 Mbit/s
95th percentile per-packet one-way delay: 3.652 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.31 Mbit/s
95th percentile per-packet one-way delay: 3.652 ms
Loss rate: 0.02%

Run 8: Report of TCP Vegas — Data Link

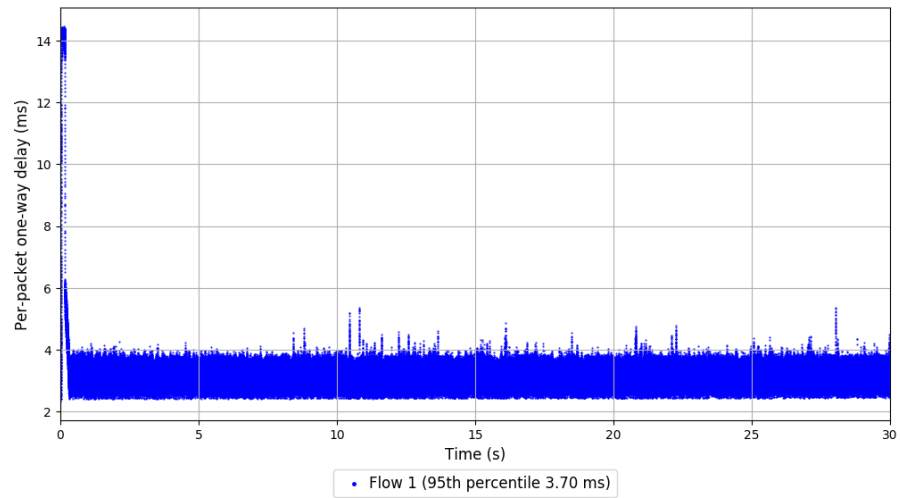
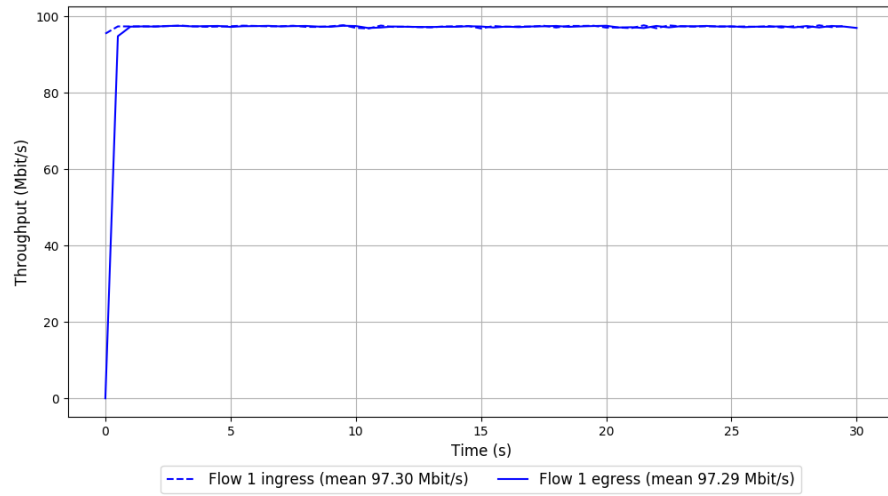


Run 9: Statistics of TCP Vegas

Start at: 2018-07-25 02:13:43
End at: 2018-07-25 02:14:13
Local clock offset: -2.092 ms
Remote clock offset: -2.996 ms

Below is generated by plot.py at 2018-07-25 03:11:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.29 Mbit/s
95th percentile per-packet one-way delay: 3.697 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.29 Mbit/s
95th percentile per-packet one-way delay: 3.697 ms
Loss rate: 0.02%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-25 02:32:45

End at: 2018-07-25 02:33:15

Local clock offset: -1.797 ms

Remote clock offset: -1.921 ms

Below is generated by plot.py at 2018-07-25 03:11:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.08 Mbit/s

95th percentile per-packet one-way delay: 3.638 ms

Loss rate: 0.02%

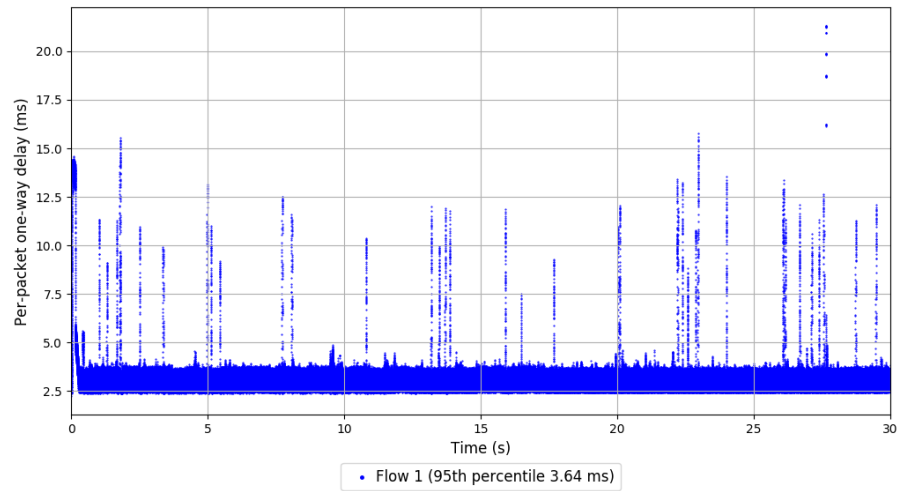
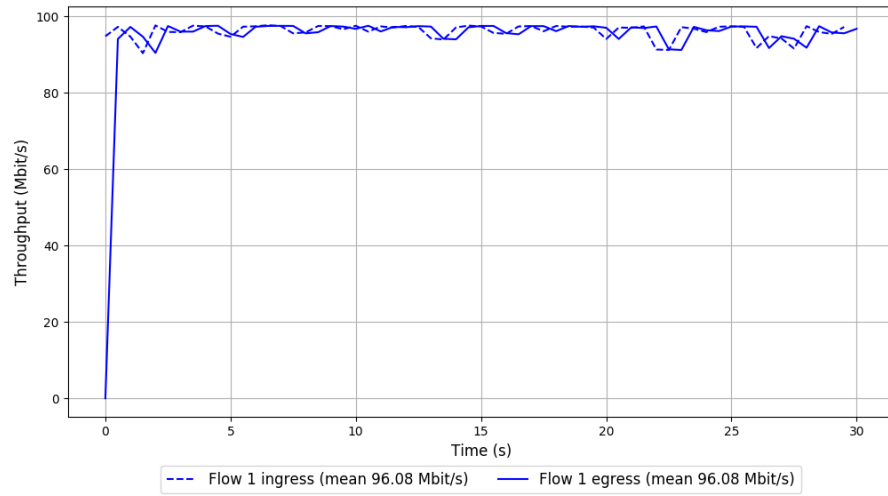
-- Flow 1:

Average throughput: 96.08 Mbit/s

95th percentile per-packet one-way delay: 3.638 ms

Loss rate: 0.02%

Run 10: Report of TCP Vegas — Data Link

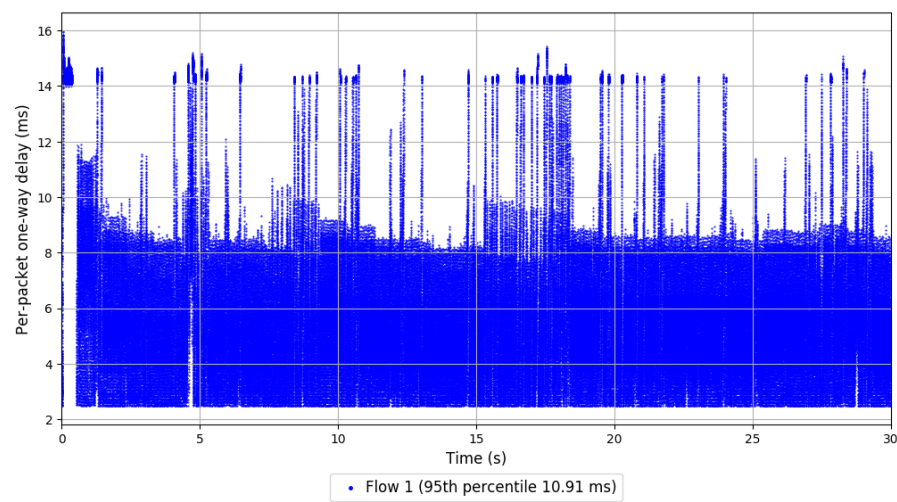
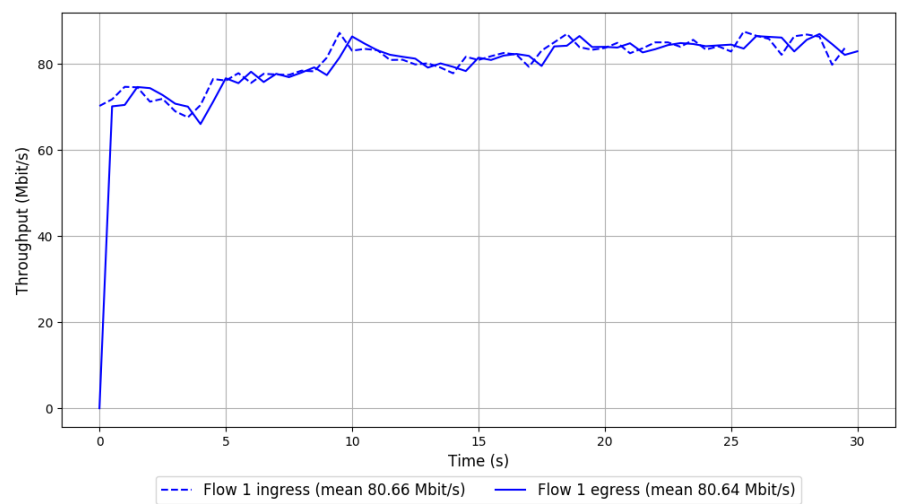


Run 1: Statistics of Verus

Start at: 2018-07-24 23:42:43
End at: 2018-07-24 23:43:13
Local clock offset: -2.732 ms
Remote clock offset: -2.872 ms

Below is generated by plot.py at 2018-07-25 03:11:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.64 Mbit/s
95th percentile per-packet one-way delay: 10.910 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 80.64 Mbit/s
95th percentile per-packet one-way delay: 10.910 ms
Loss rate: 0.03%

Run 1: Report of Verus — Data Link

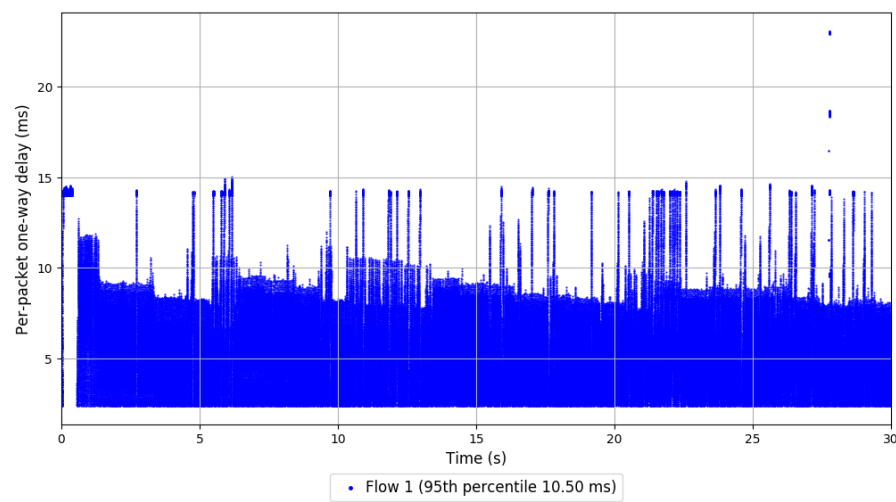
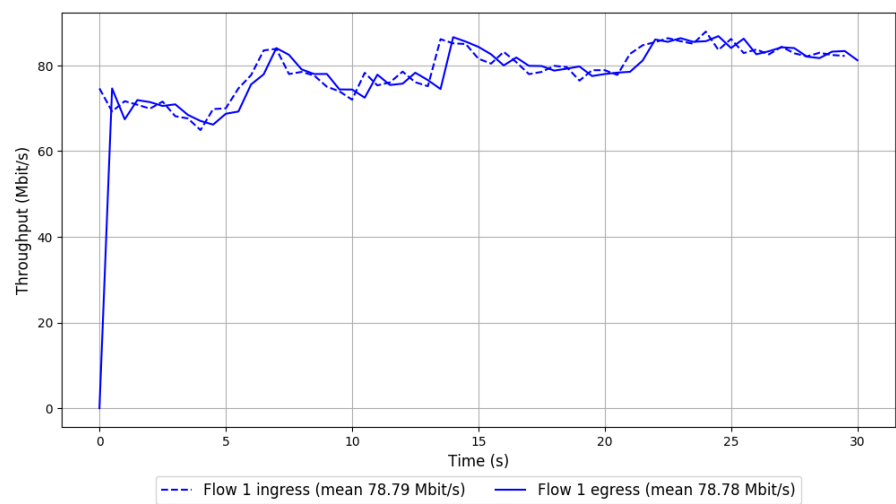


Run 2: Statistics of Verus

Start at: 2018-07-25 00:01:45
End at: 2018-07-25 00:02:15
Local clock offset: -2.668 ms
Remote clock offset: -2.942 ms

Below is generated by plot.py at 2018-07-25 03:11:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.78 Mbit/s
95th percentile per-packet one-way delay: 10.497 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 78.78 Mbit/s
95th percentile per-packet one-way delay: 10.497 ms
Loss rate: 0.03%

Run 2: Report of Verus — Data Link

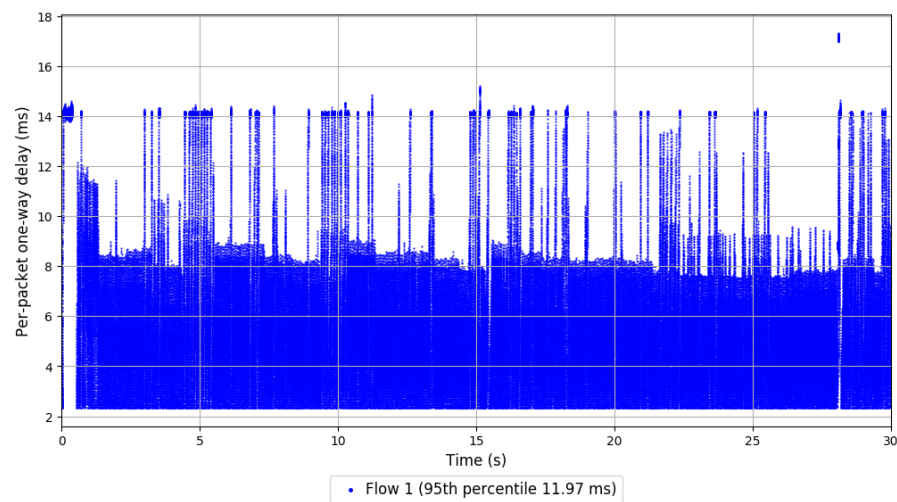
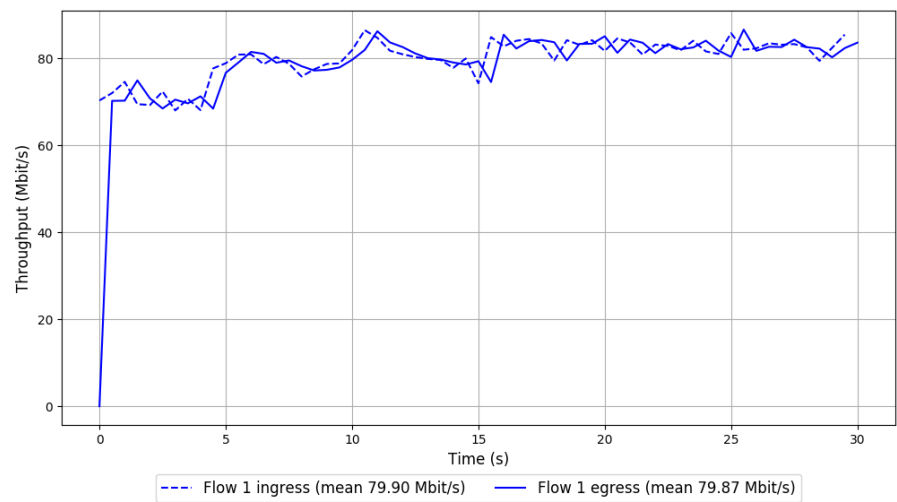


Run 3: Statistics of Verus

Start at: 2018-07-25 00:20:42
End at: 2018-07-25 00:21:12
Local clock offset: -2.756 ms
Remote clock offset: -3.173 ms

Below is generated by plot.py at 2018-07-25 03:11:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.87 Mbit/s
95th percentile per-packet one-way delay: 11.974 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 79.87 Mbit/s
95th percentile per-packet one-way delay: 11.974 ms
Loss rate: 0.05%

Run 3: Report of Verus — Data Link

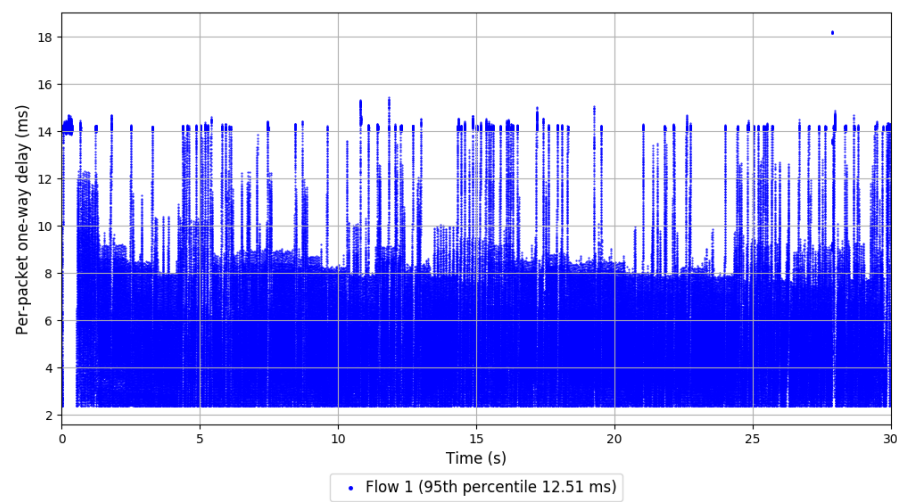
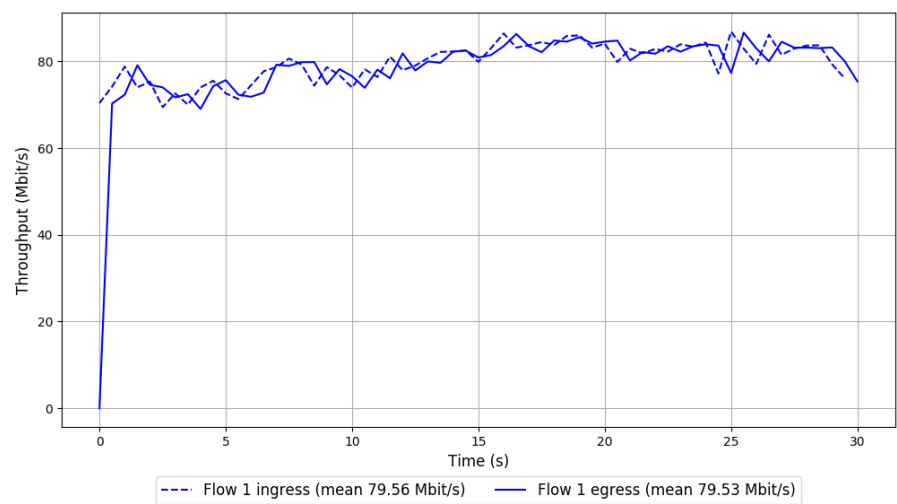


Run 4: Statistics of Verus

Start at: 2018-07-25 00:39:44
End at: 2018-07-25 00:40:14
Local clock offset: -2.816 ms
Remote clock offset: -3.356 ms

Below is generated by plot.py at 2018-07-25 03:11:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.53 Mbit/s
95th percentile per-packet one-way delay: 12.507 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 79.53 Mbit/s
95th percentile per-packet one-way delay: 12.507 ms
Loss rate: 0.04%

Run 4: Report of Verus — Data Link

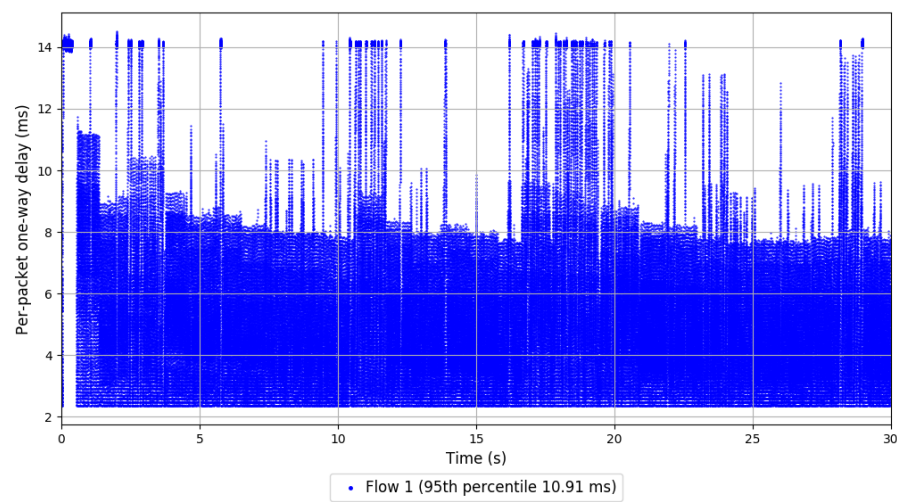
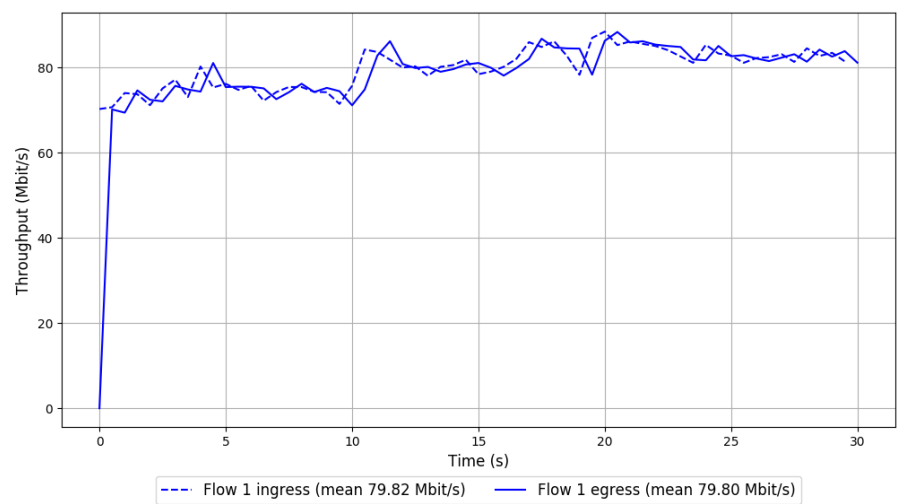


Run 5: Statistics of Verus

Start at: 2018-07-25 00:58:44
End at: 2018-07-25 00:59:14
Local clock offset: -2.781 ms
Remote clock offset: -3.333 ms

Below is generated by plot.py at 2018-07-25 03:12:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.80 Mbit/s
95th percentile per-packet one-way delay: 10.915 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 79.80 Mbit/s
95th percentile per-packet one-way delay: 10.915 ms
Loss rate: 0.03%

Run 5: Report of Verus — Data Link

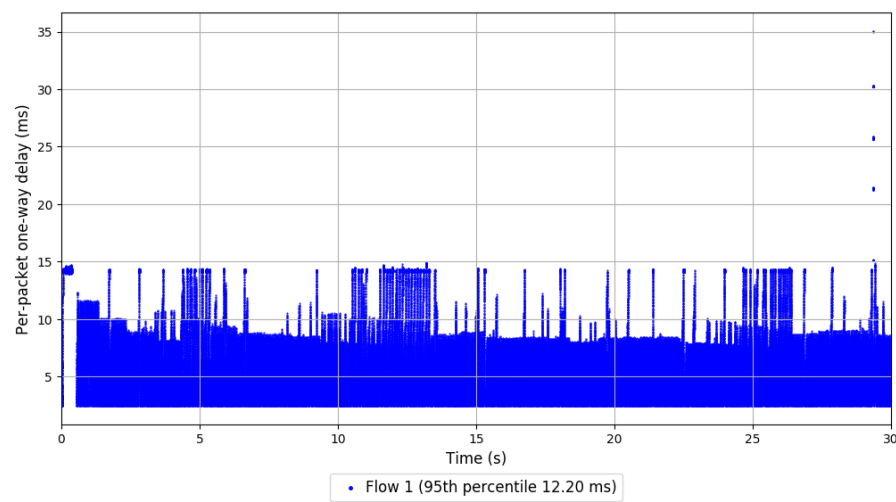
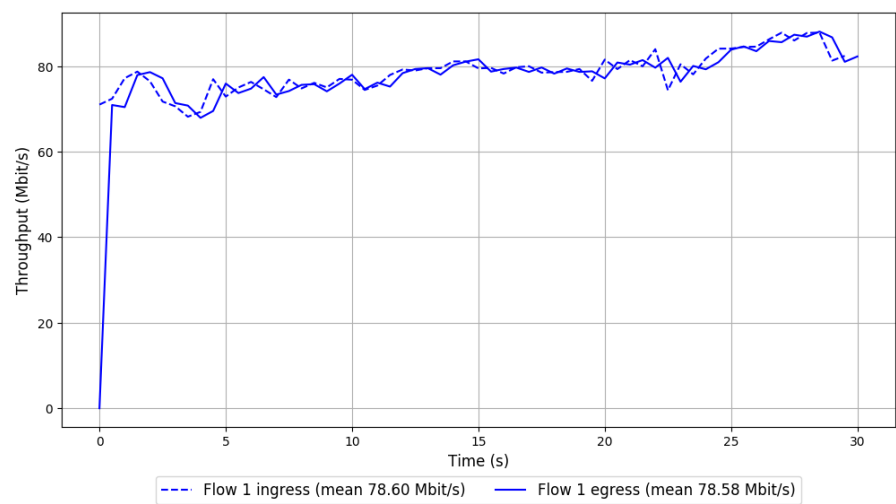


Run 6: Statistics of Verus

Start at: 2018-07-25 01:17:43
End at: 2018-07-25 01:18:13
Local clock offset: -2.878 ms
Remote clock offset: -2.926 ms

Below is generated by plot.py at 2018-07-25 03:12:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.58 Mbit/s
95th percentile per-packet one-way delay: 12.197 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 78.58 Mbit/s
95th percentile per-packet one-way delay: 12.197 ms
Loss rate: 0.04%

Run 6: Report of Verus — Data Link

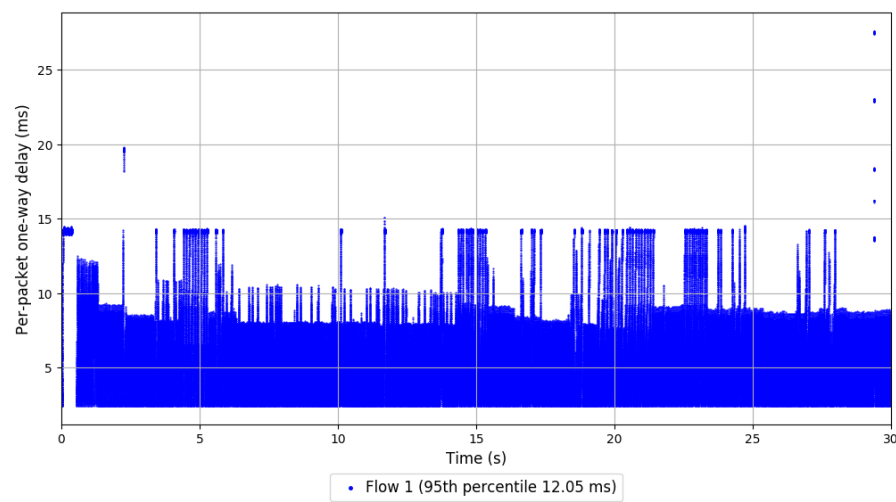
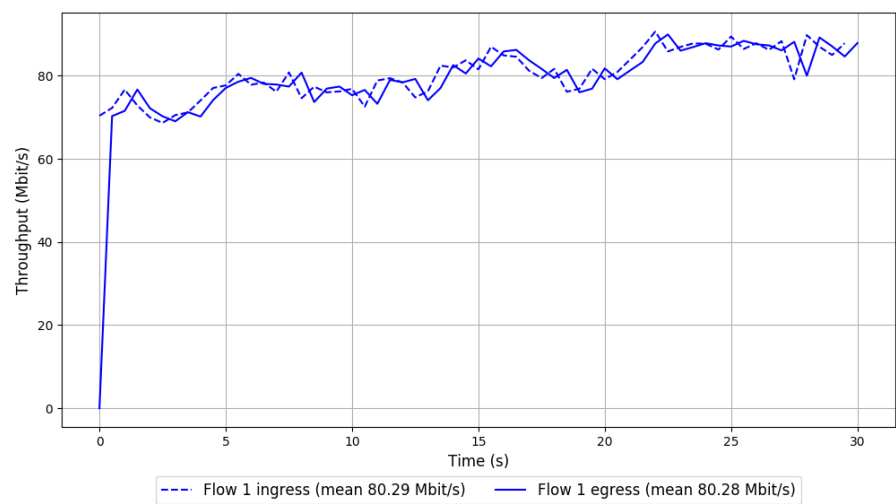


Run 7: Statistics of Verus

Start at: 2018-07-25 01:36:46
End at: 2018-07-25 01:37:16
Local clock offset: -2.85 ms
Remote clock offset: -2.701 ms

Below is generated by plot.py at 2018-07-25 03:12:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.28 Mbit/s
95th percentile per-packet one-way delay: 12.049 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 80.28 Mbit/s
95th percentile per-packet one-way delay: 12.049 ms
Loss rate: 0.03%

Run 7: Report of Verus — Data Link

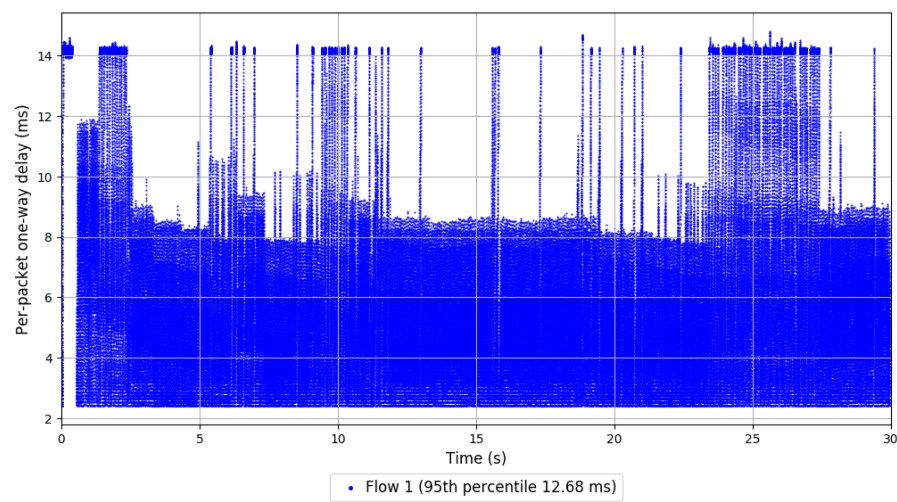
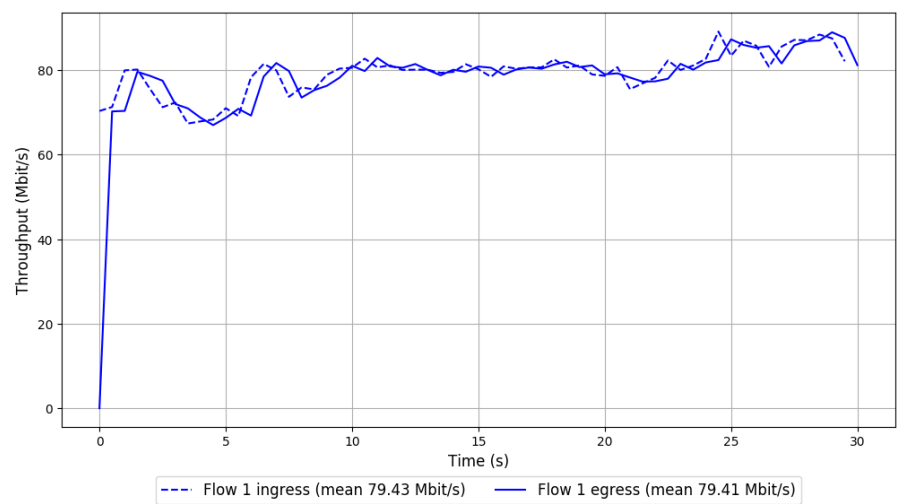


Run 8: Statistics of Verus

Start at: 2018-07-25 01:55:47
End at: 2018-07-25 01:56:17
Local clock offset: -2.77 ms
Remote clock offset: -3.136 ms

Below is generated by plot.py at 2018-07-25 03:12:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.41 Mbit/s
95th percentile per-packet one-way delay: 12.679 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 79.41 Mbit/s
95th percentile per-packet one-way delay: 12.679 ms
Loss rate: 0.03%

Run 8: Report of Verus — Data Link

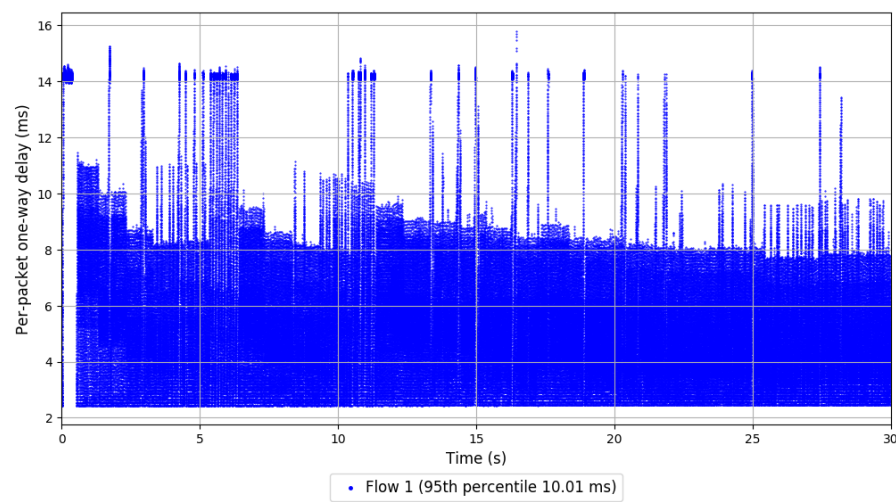
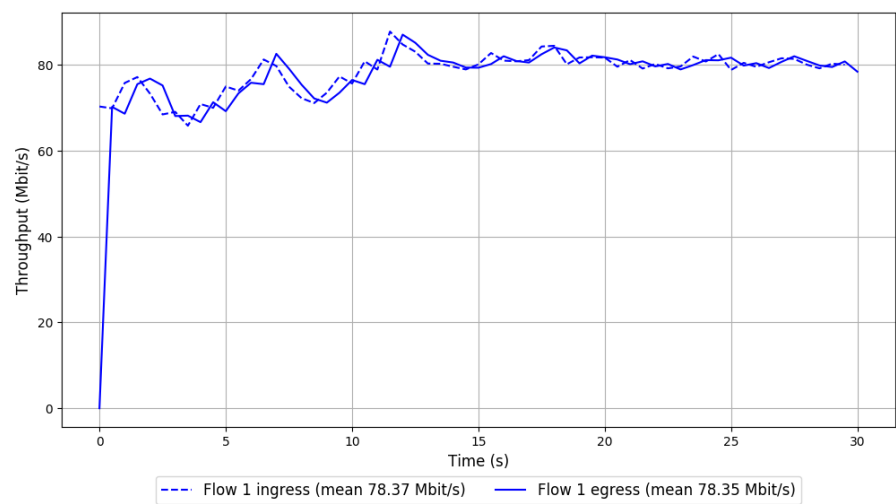


Run 9: Statistics of Verus

Start at: 2018-07-25 02:14:50
End at: 2018-07-25 02:15:21
Local clock offset: -2.061 ms
Remote clock offset: -2.912 ms

Below is generated by plot.py at 2018-07-25 03:12:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.35 Mbit/s
95th percentile per-packet one-way delay: 10.006 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 78.35 Mbit/s
95th percentile per-packet one-way delay: 10.006 ms
Loss rate: 0.04%

Run 9: Report of Verus — Data Link

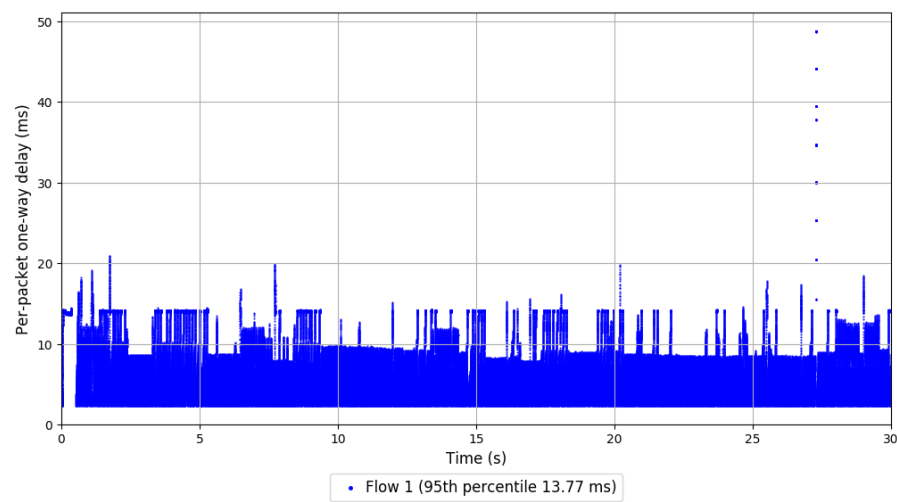
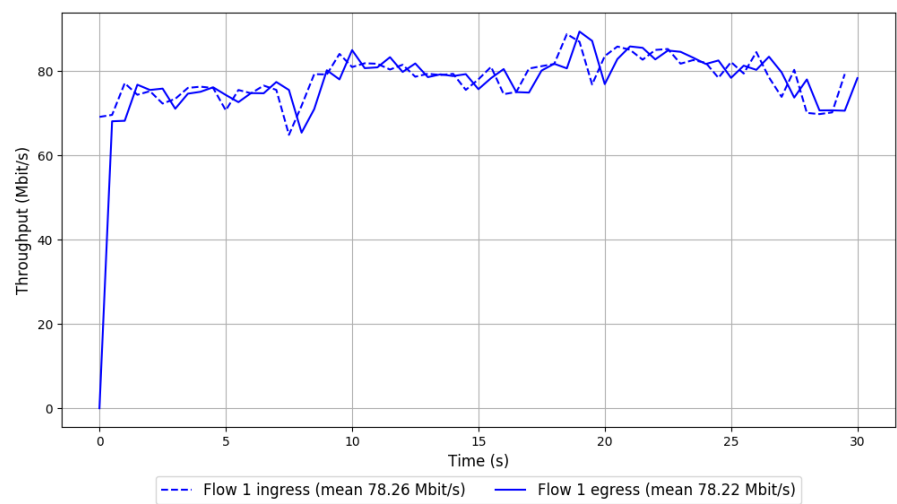


Run 10: Statistics of Verus

Start at: 2018-07-25 02:33:52
End at: 2018-07-25 02:34:22
Local clock offset: -1.879 ms
Remote clock offset: -1.893 ms

Below is generated by plot.py at 2018-07-25 03:12:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.22 Mbit/s
95th percentile per-packet one-way delay: 13.765 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 78.22 Mbit/s
95th percentile per-packet one-way delay: 13.765 ms
Loss rate: 0.06%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-24 23:38:13

End at: 2018-07-24 23:38:43

Local clock offset: -2.844 ms

Remote clock offset: -2.799 ms

Below is generated by plot.py at 2018-07-25 03:12:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.90 Mbit/s

95th percentile per-packet one-way delay: 2.825 ms

Loss rate: 0.02%

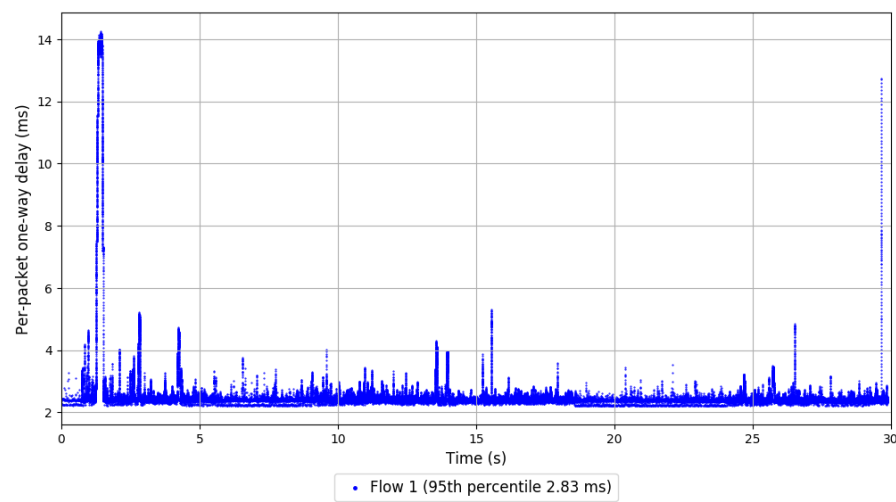
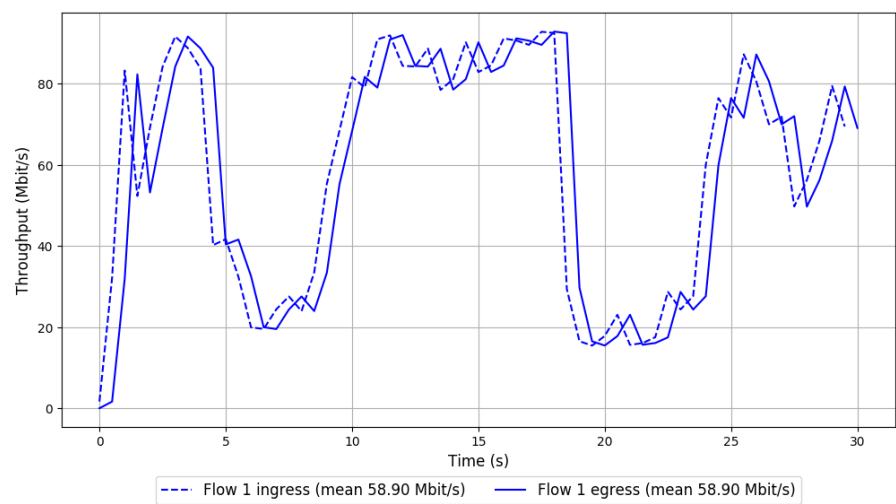
-- Flow 1:

Average throughput: 58.90 Mbit/s

95th percentile per-packet one-way delay: 2.825 ms

Loss rate: 0.02%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-24 23:57:14

End at: 2018-07-24 23:57:44

Local clock offset: -2.617 ms

Remote clock offset: -2.834 ms

Below is generated by plot.py at 2018-07-25 03:12:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.28 Mbit/s

95th percentile per-packet one-way delay: 3.267 ms

Loss rate: 0.04%

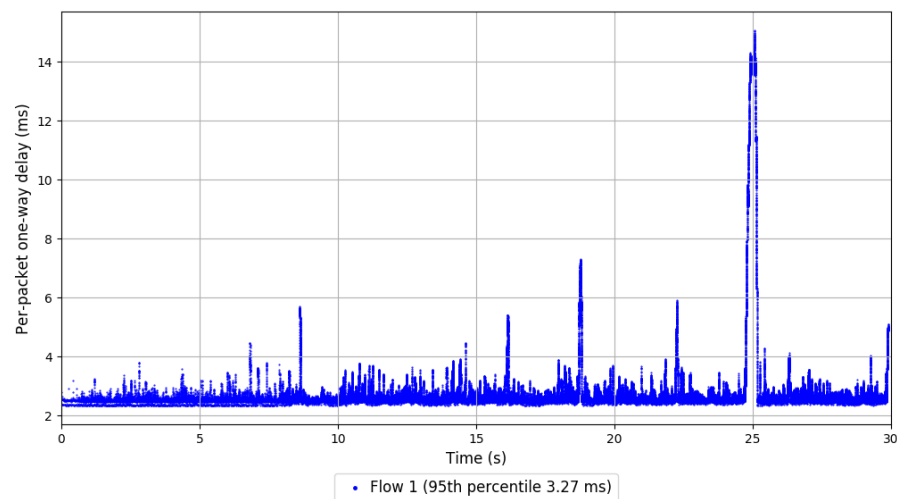
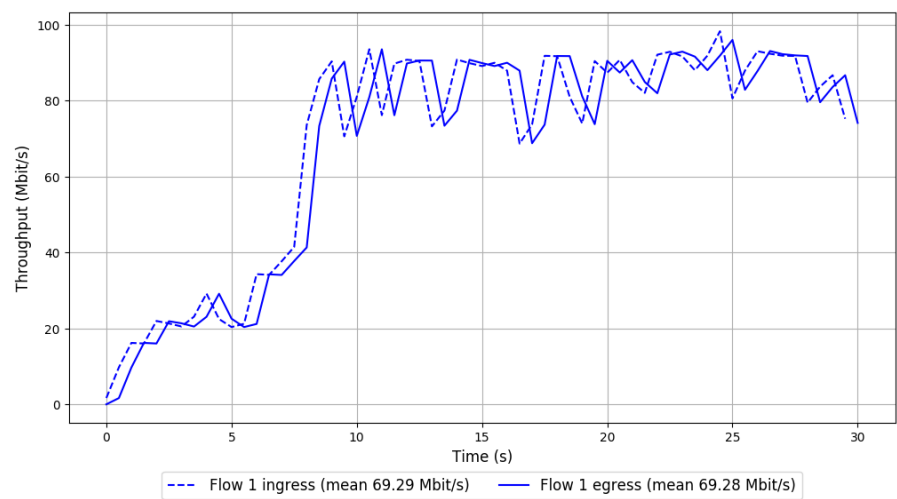
-- Flow 1:

Average throughput: 69.28 Mbit/s

95th percentile per-packet one-way delay: 3.267 ms

Loss rate: 0.04%

Run 2: Report of PCC-Vivace — Data Link

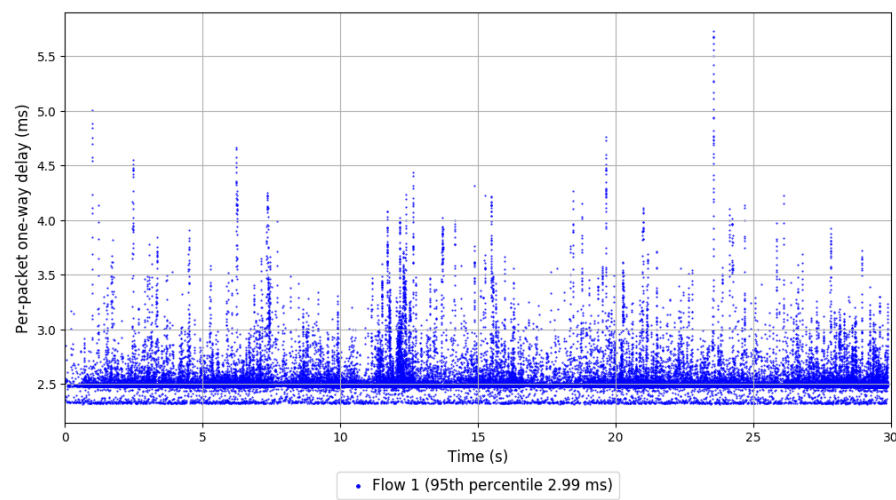
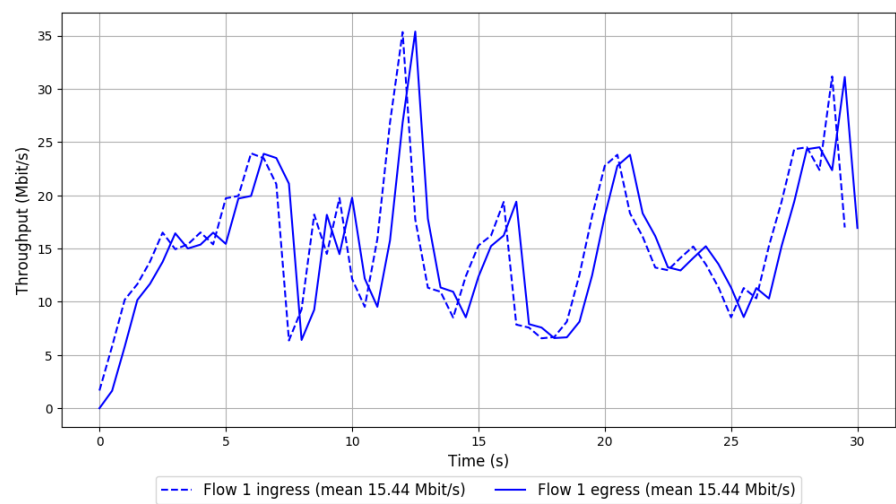


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-25 00:16:16
End at: 2018-07-25 00:16:46
Local clock offset: -2.639 ms
Remote clock offset: -3.197 ms

Below is generated by plot.py at 2018-07-25 03:12:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.44 Mbit/s
95th percentile per-packet one-way delay: 2.994 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 15.44 Mbit/s
95th percentile per-packet one-way delay: 2.994 ms
Loss rate: 0.02%

Run 3: Report of PCC-Vivace — Data Link

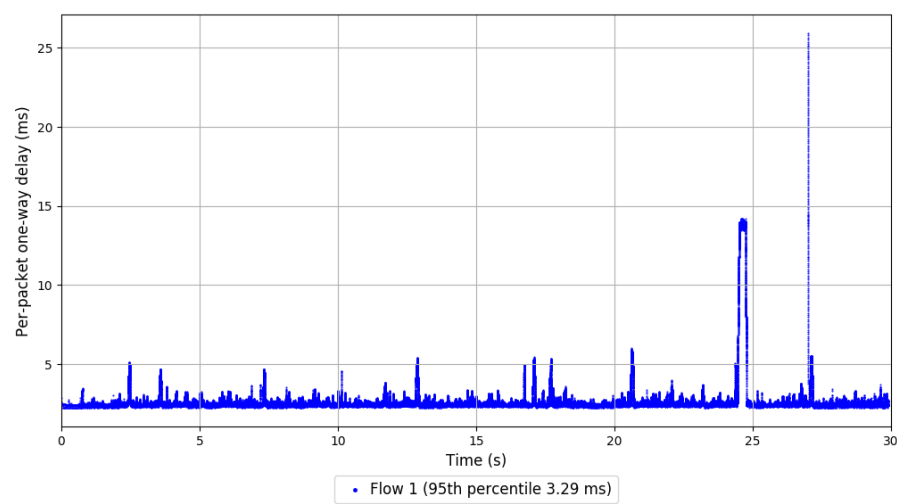
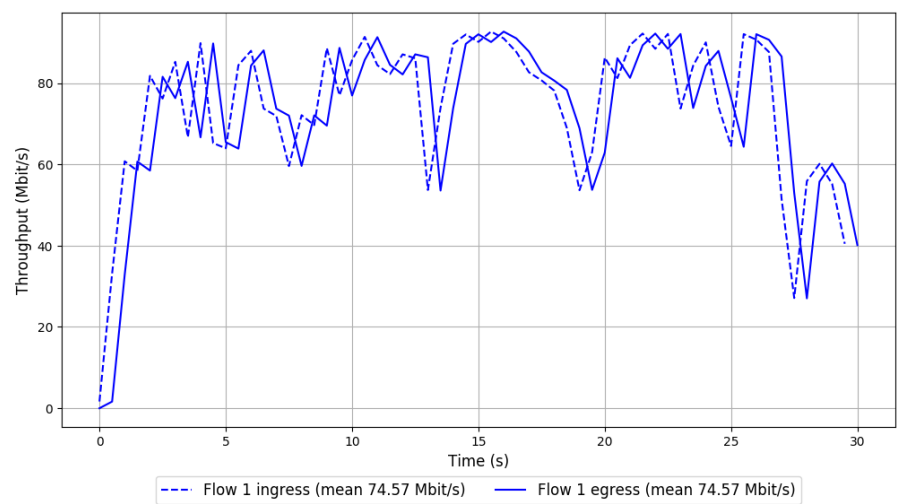


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-25 00:35:14
End at: 2018-07-25 00:35:44
Local clock offset: -2.772 ms
Remote clock offset: -3.318 ms

Below is generated by plot.py at 2018-07-25 03:13:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.57 Mbit/s
95th percentile per-packet one-way delay: 3.293 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 74.57 Mbit/s
95th percentile per-packet one-way delay: 3.293 ms
Loss rate: 0.01%

Run 4: Report of PCC-Vivace — Data Link

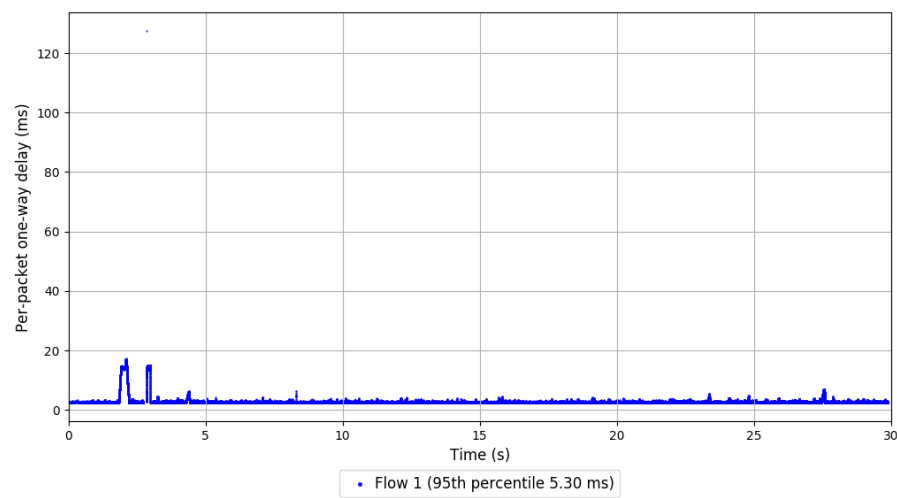
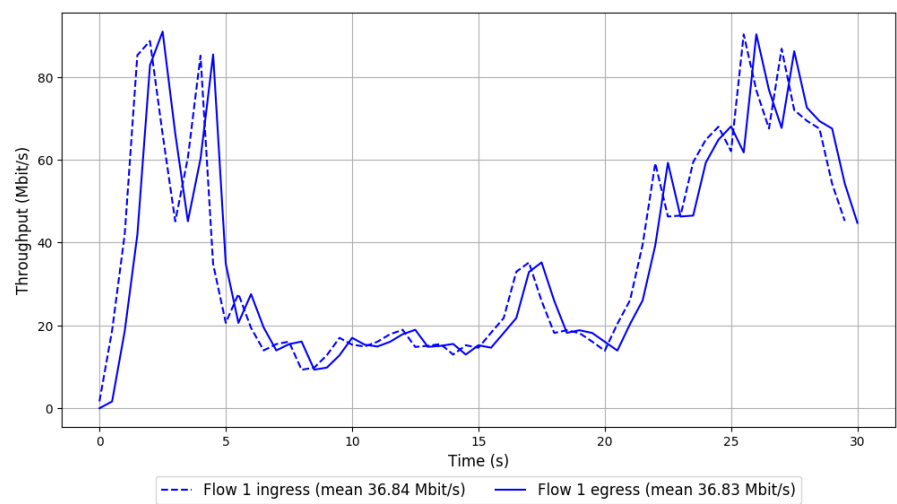


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-25 00:54:16
End at: 2018-07-25 00:54:46
Local clock offset: -2.778 ms
Remote clock offset: -3.405 ms

Below is generated by plot.py at 2018-07-25 03:13:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.83 Mbit/s
95th percentile per-packet one-way delay: 5.299 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 36.83 Mbit/s
95th percentile per-packet one-way delay: 5.299 ms
Loss rate: 0.04%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-25 01:13:15

End at: 2018-07-25 01:13:45

Local clock offset: -2.913 ms

Remote clock offset: -2.97 ms

Below is generated by plot.py at 2018-07-25 03:13:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.69 Mbit/s

95th percentile per-packet one-way delay: 2.793 ms

Loss rate: 0.01%

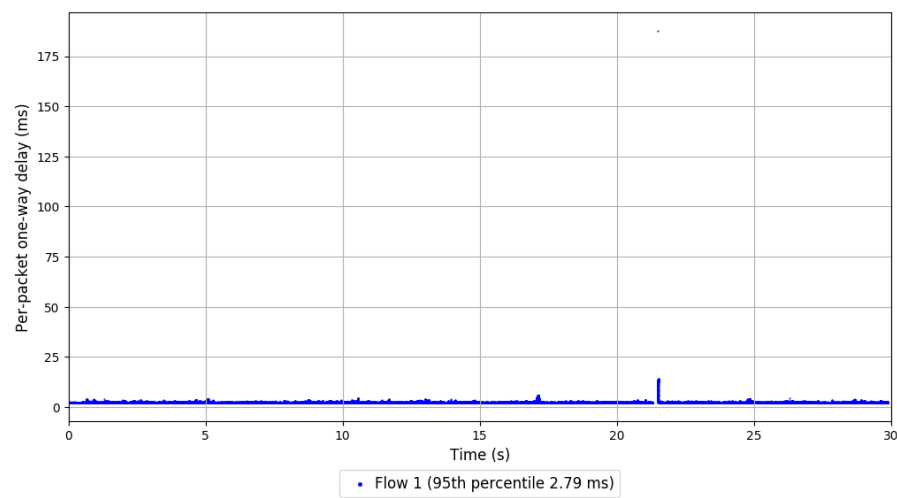
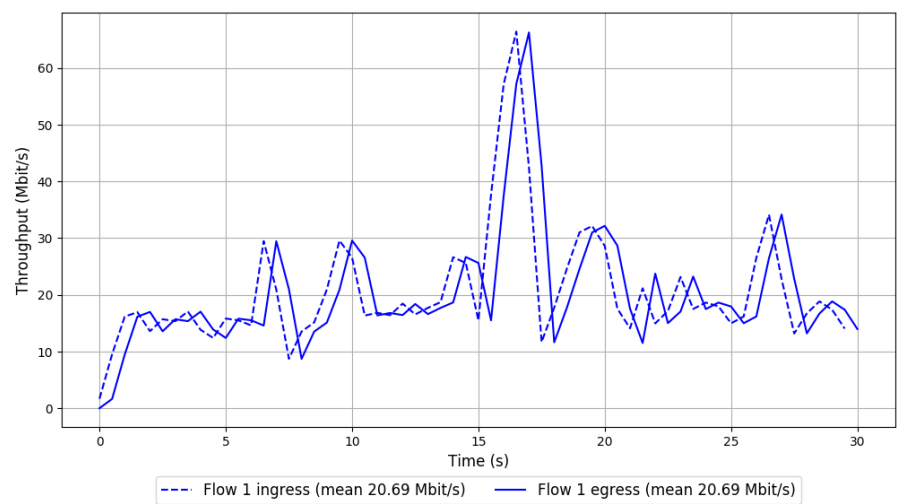
-- Flow 1:

Average throughput: 20.69 Mbit/s

95th percentile per-packet one-way delay: 2.793 ms

Loss rate: 0.01%

Run 6: Report of PCC-Vivace — Data Link

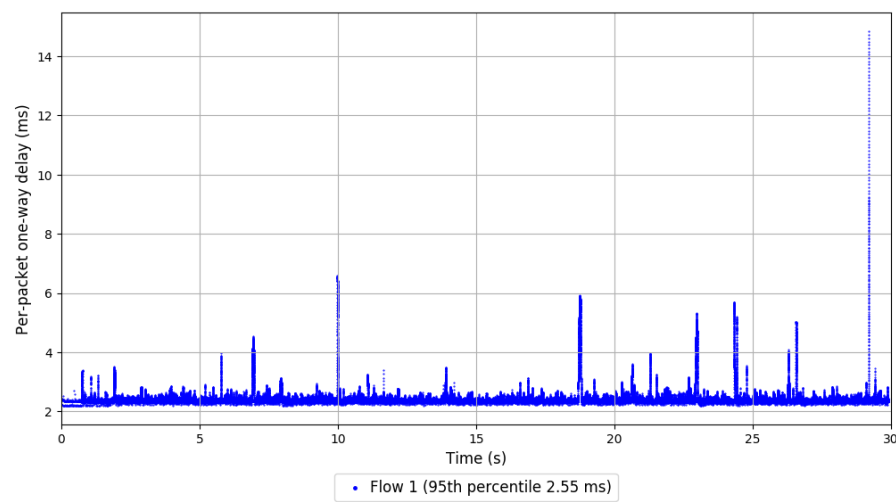
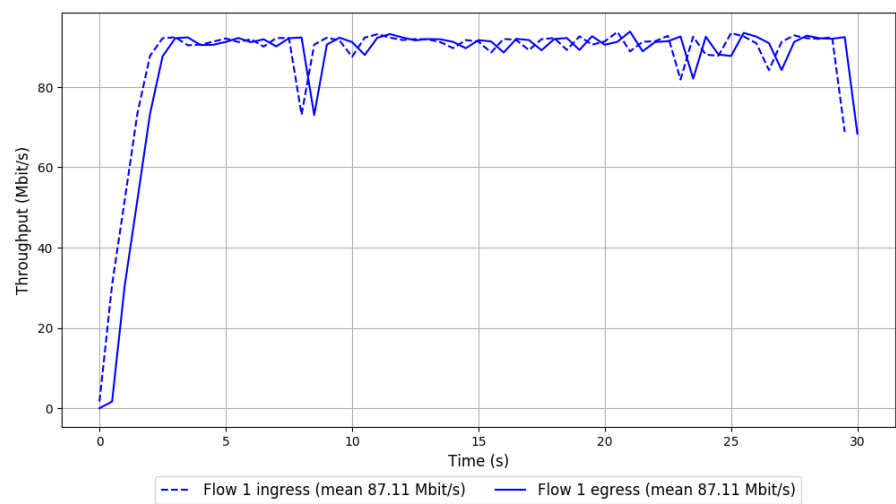


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-25 01:32:14
End at: 2018-07-25 01:32:44
Local clock offset: -2.962 ms
Remote clock offset: -2.737 ms

Below is generated by plot.py at 2018-07-25 03:13:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.11 Mbit/s
95th percentile per-packet one-way delay: 2.549 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 87.11 Mbit/s
95th percentile per-packet one-way delay: 2.549 ms
Loss rate: 0.02%

Run 7: Report of PCC-Vivace — Data Link

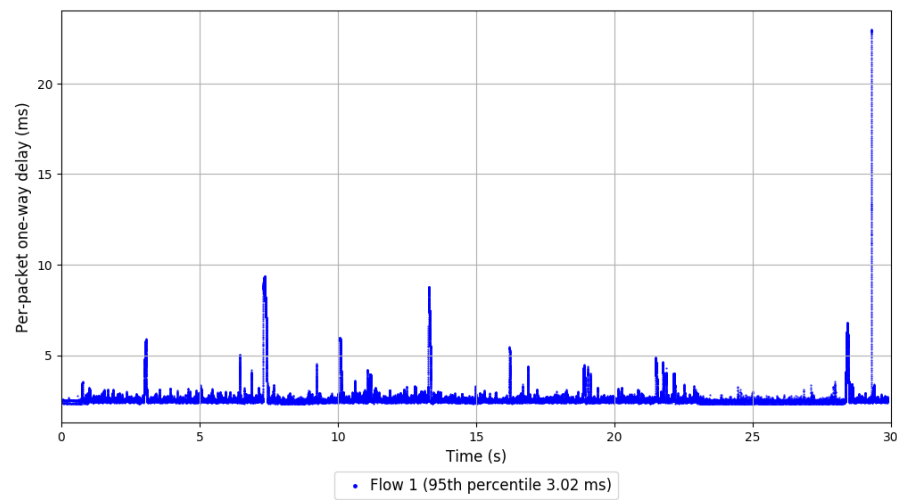
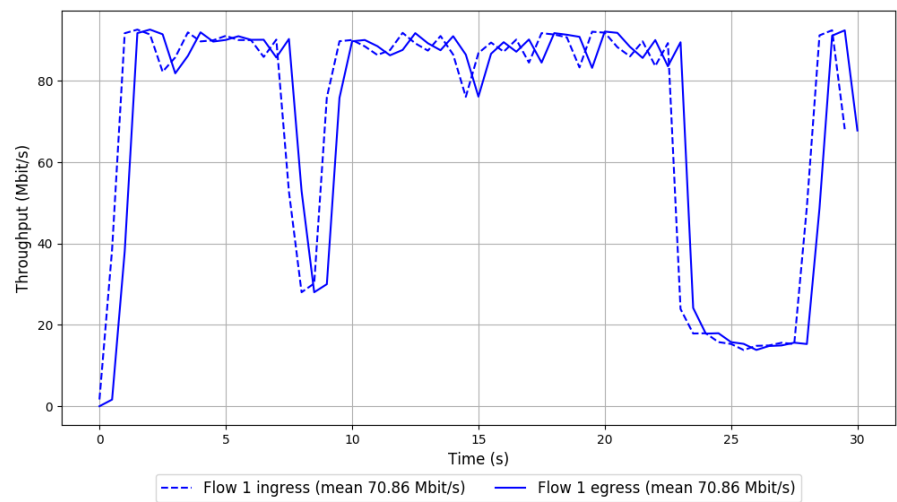


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-25 01:51:17
End at: 2018-07-25 01:51:47
Local clock offset: -2.772 ms
Remote clock offset: -3.171 ms

Below is generated by plot.py at 2018-07-25 03:13:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.86 Mbit/s
95th percentile per-packet one-way delay: 3.025 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 70.86 Mbit/s
95th percentile per-packet one-way delay: 3.025 ms
Loss rate: 0.02%

Run 8: Report of PCC-Vivace — Data Link

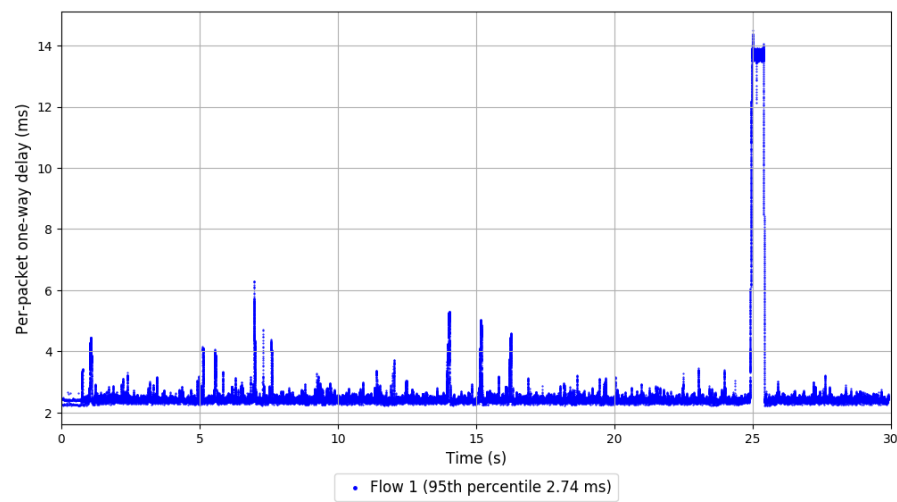
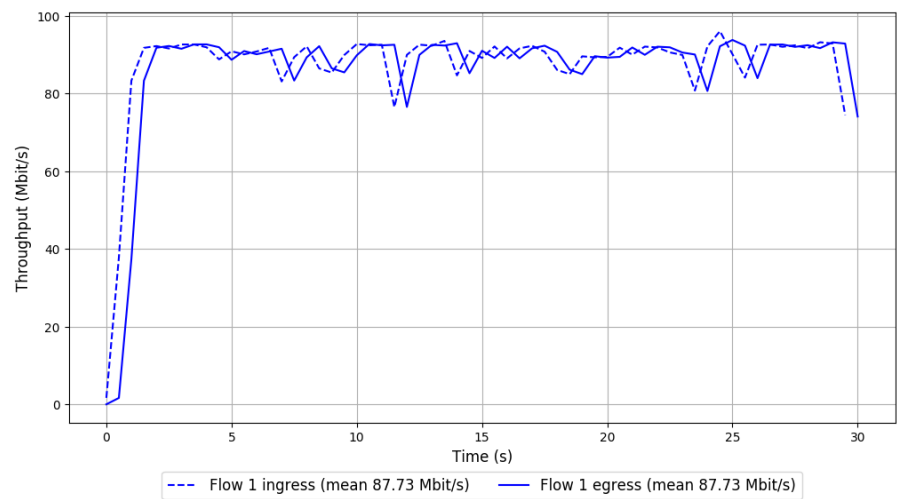


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-25 02:10:19
End at: 2018-07-25 02:10:49
Local clock offset: -2.21 ms
Remote clock offset: -3.174 ms

Below is generated by plot.py at 2018-07-25 03:13:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.73 Mbit/s
95th percentile per-packet one-way delay: 2.738 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 87.73 Mbit/s
95th percentile per-packet one-way delay: 2.738 ms
Loss rate: 0.02%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-25 02:29:21

End at: 2018-07-25 02:29:51

Local clock offset: -1.798 ms

Remote clock offset: -2.02 ms

Below is generated by plot.py at 2018-07-25 03:13:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.19 Mbit/s

95th percentile per-packet one-way delay: 11.094 ms

Loss rate: 0.02%

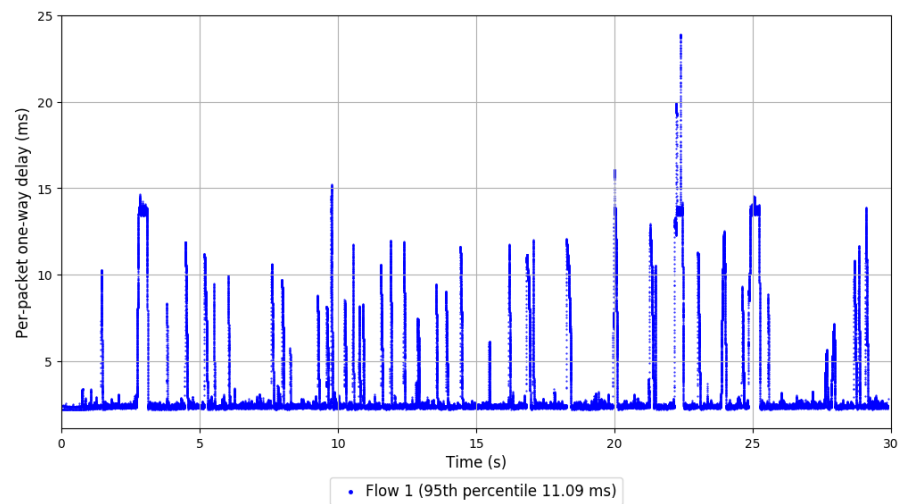
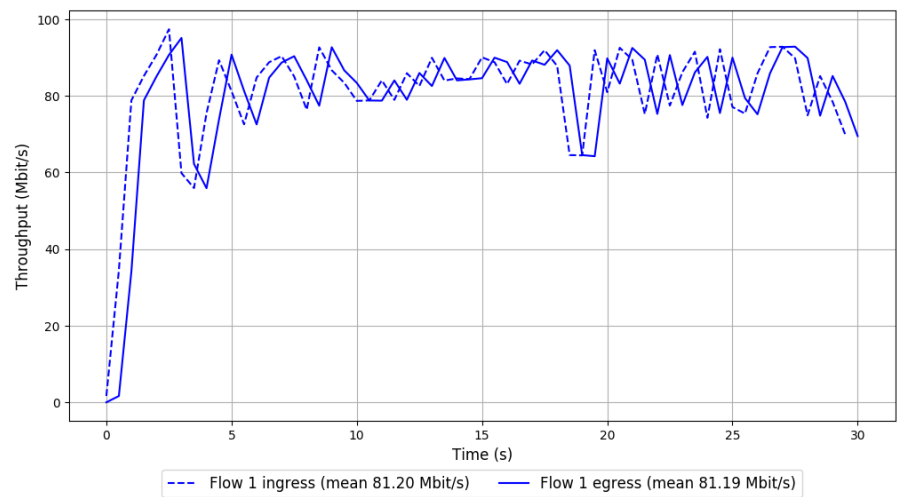
-- Flow 1:

Average throughput: 81.19 Mbit/s

95th percentile per-packet one-way delay: 11.094 ms

Loss rate: 0.02%

Run 10: Report of PCC-Vivace — Data Link

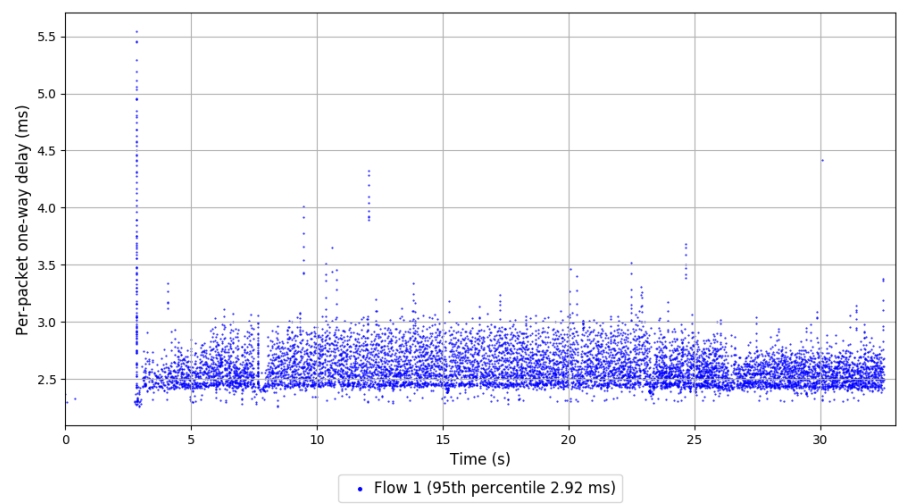
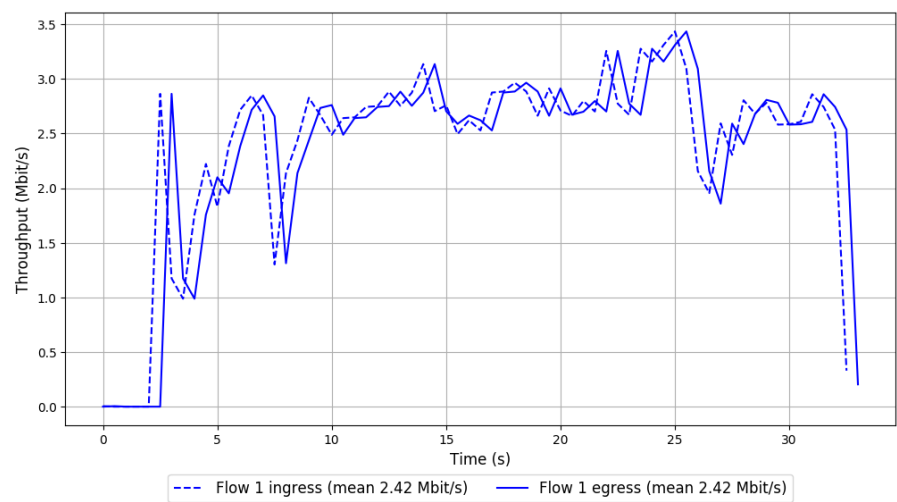


```
Run 1: Statistics of WebRTC media

Start at: 2018-07-24 23:52:51
End at: 2018-07-24 23:53:21
Local clock offset: -2.623 ms
Remote clock offset: -2.691 ms

# Below is generated by plot.py at 2018-07-25 03:13:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 2.923 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 2.923 ms
Loss rate: 0.08%
```

Run 1: Report of WebRTC media — Data Link

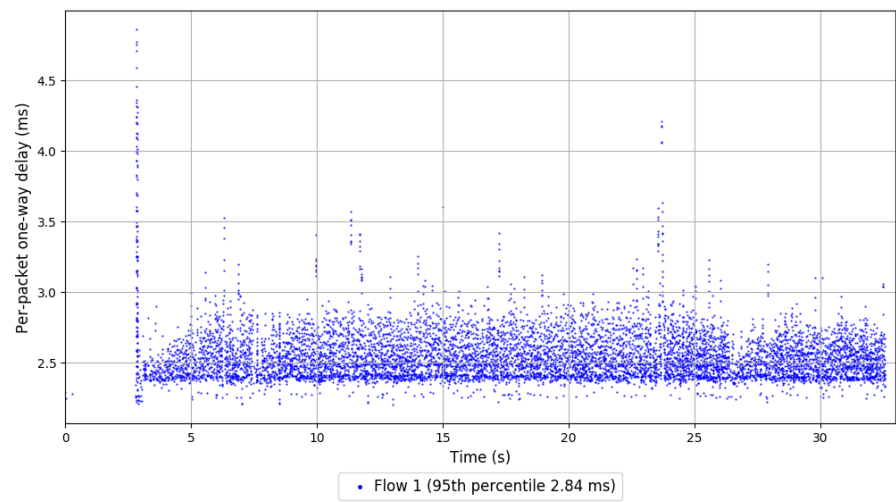
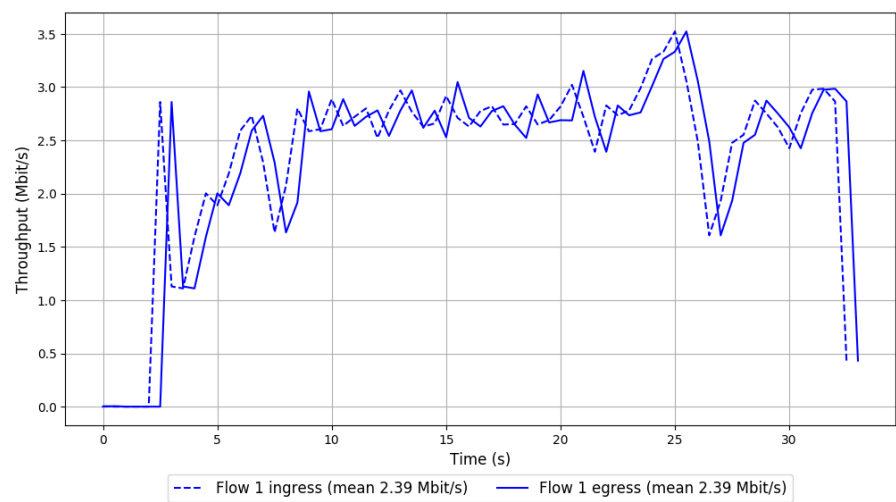


Run 2: Statistics of WebRTC media

Start at: 2018-07-25 00:11:53
End at: 2018-07-25 00:12:23
Local clock offset: -2.646 ms
Remote clock offset: -3.041 ms

Below is generated by plot.py at 2018-07-25 03:13:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 2.839 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 2.839 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

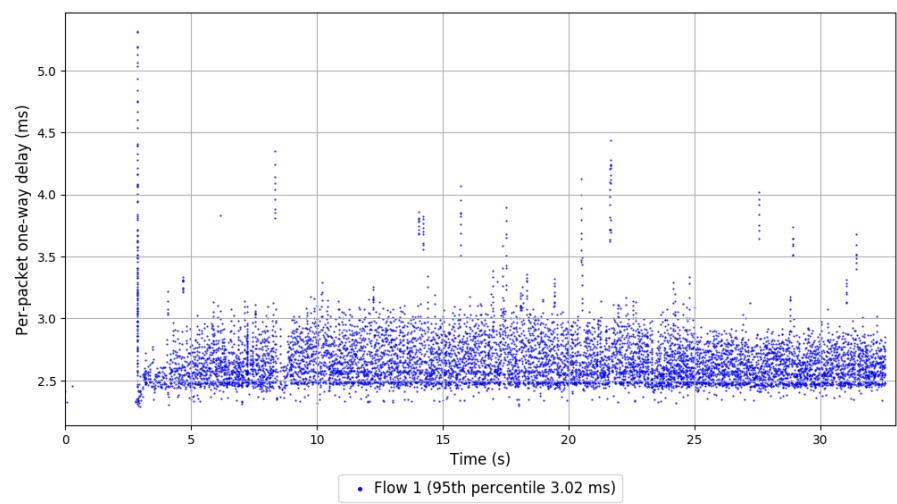
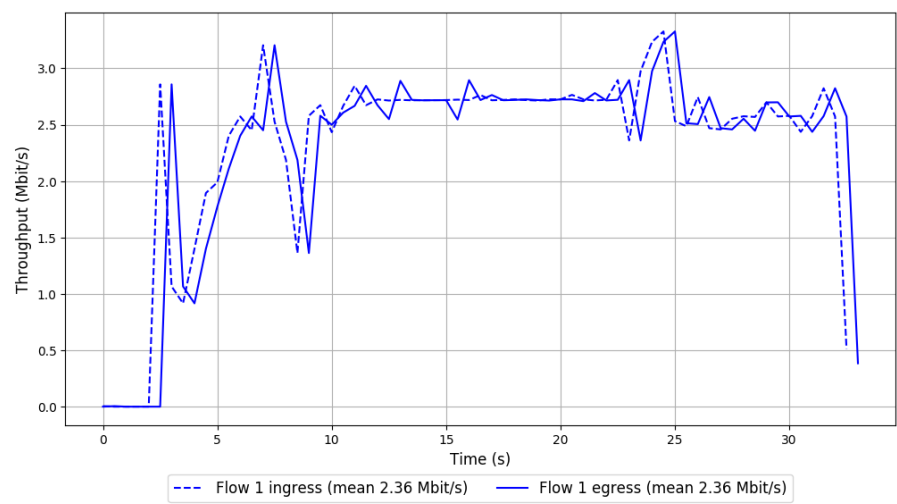


Run 3: Statistics of WebRTC media

Start at: 2018-07-25 00:30:51
End at: 2018-07-25 00:31:21
Local clock offset: -2.665 ms
Remote clock offset: -3.194 ms

Below is generated by plot.py at 2018-07-25 03:13:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 3.025 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 3.025 ms
Loss rate: 0.08%

Run 3: Report of WebRTC media — Data Link

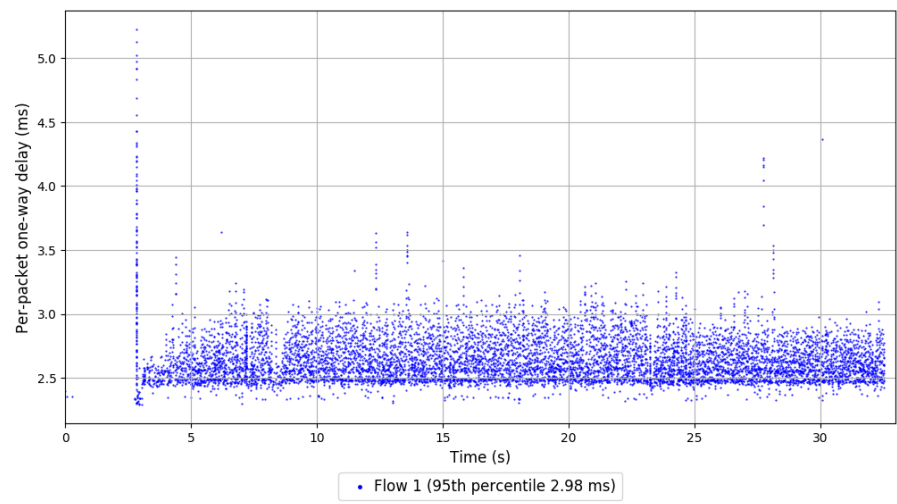
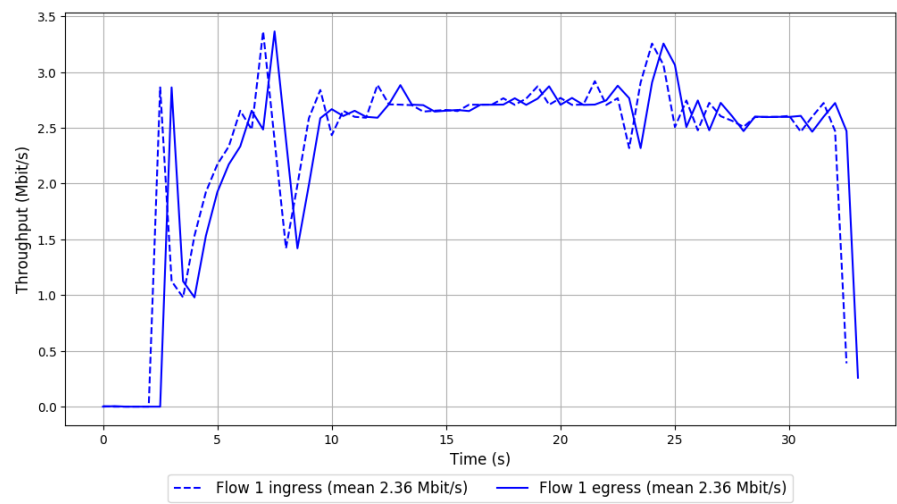


Run 4: Statistics of WebRTC media

Start at: 2018-07-25 00:49:52
End at: 2018-07-25 00:50:22
Local clock offset: -2.771 ms
Remote clock offset: -3.378 ms

Below is generated by plot.py at 2018-07-25 03:13:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 2.978 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 2.978 ms
Loss rate: 0.08%

Run 4: Report of WebRTC media — Data Link

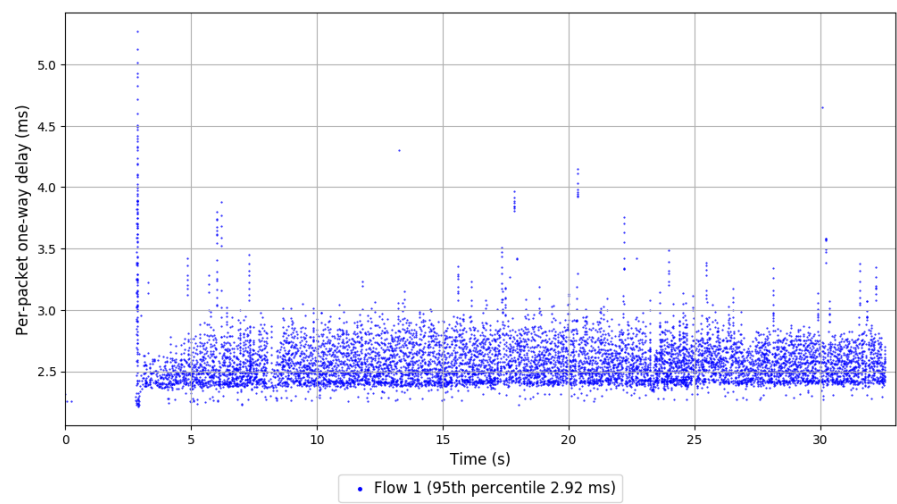
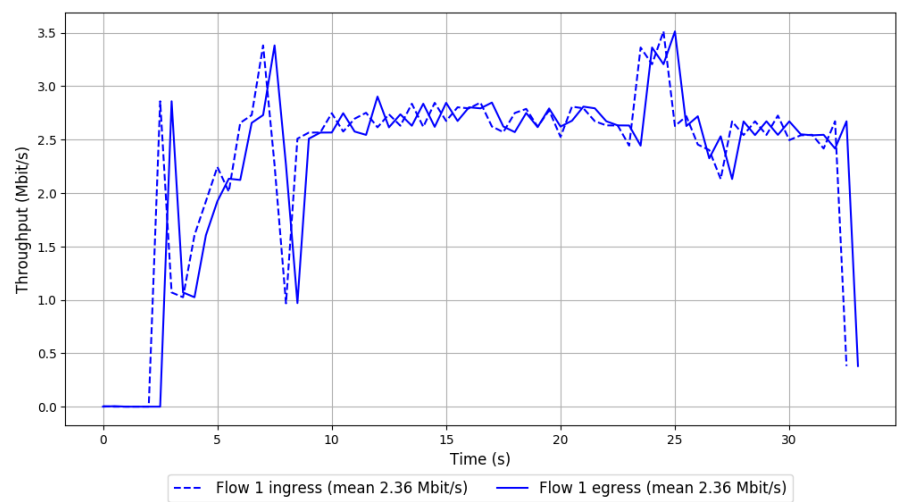


Run 5: Statistics of WebRTC media

Start at: 2018-07-25 01:08:52
End at: 2018-07-25 01:09:23
Local clock offset: -2.843 ms
Remote clock offset: -3.079 ms

Below is generated by plot.py at 2018-07-25 03:13:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 2.919 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 2.919 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

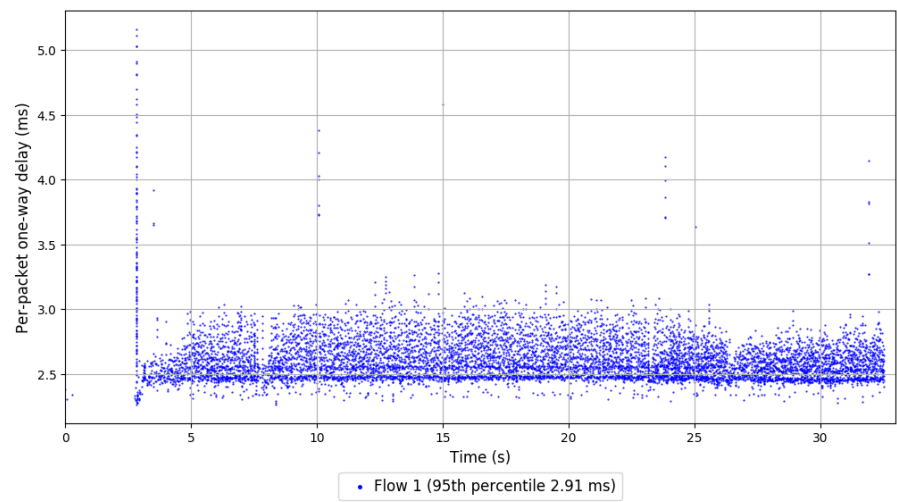
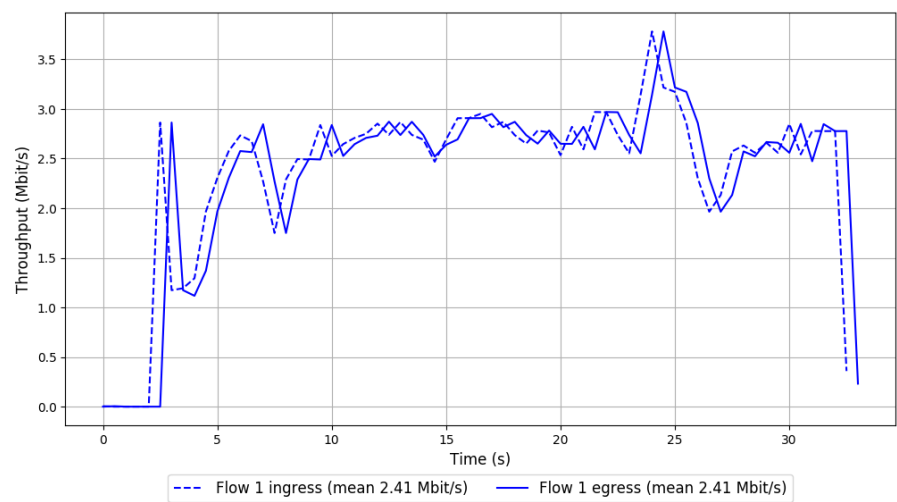


Run 6: Statistics of WebRTC media

Start at: 2018-07-25 01:27:52
End at: 2018-07-25 01:28:22
Local clock offset: -2.917 ms
Remote clock offset: -2.764 ms

Below is generated by plot.py at 2018-07-25 03:13:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 2.911 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 2.911 ms
Loss rate: 0.08%

Run 6: Report of WebRTC media — Data Link

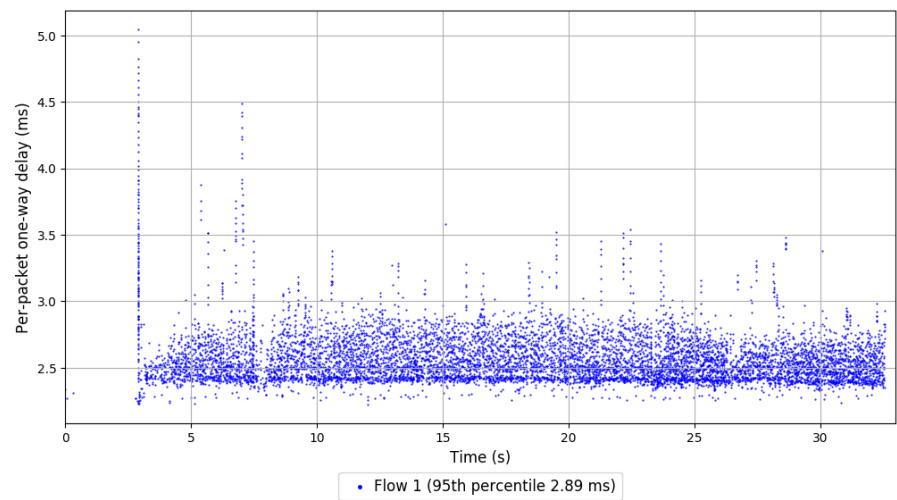
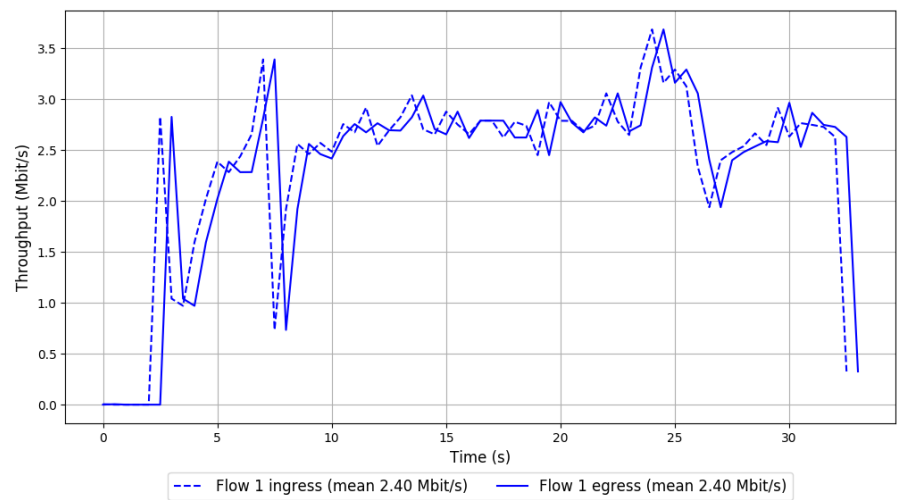


Run 7: Statistics of WebRTC media

Start at: 2018-07-25 01:46:54
End at: 2018-07-25 01:47:24
Local clock offset: -2.793 ms
Remote clock offset: -2.971 ms

Below is generated by plot.py at 2018-07-25 03:13:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 2.888 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 2.888 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

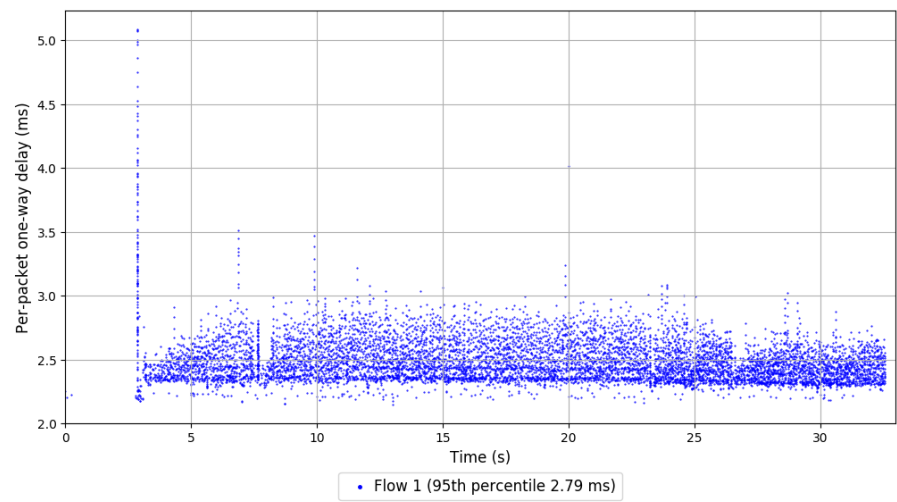
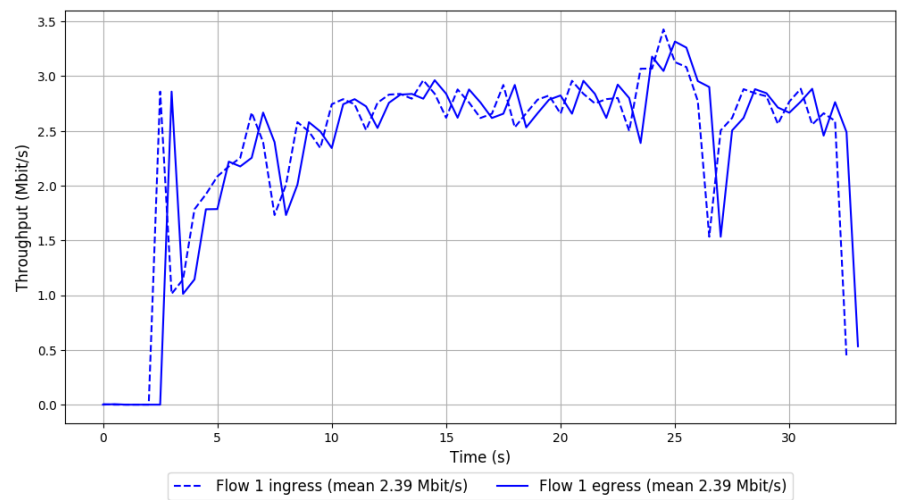


Run 8: Statistics of WebRTC media

Start at: 2018-07-25 02:05:56
End at: 2018-07-25 02:06:26
Local clock offset: -2.443 ms
Remote clock offset: -3.099 ms

Below is generated by plot.py at 2018-07-25 03:13:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 2.790 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 2.790 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

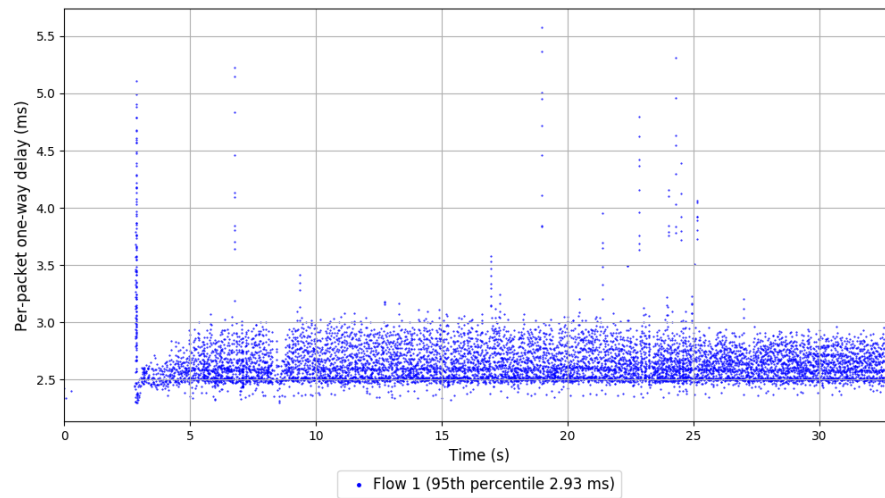
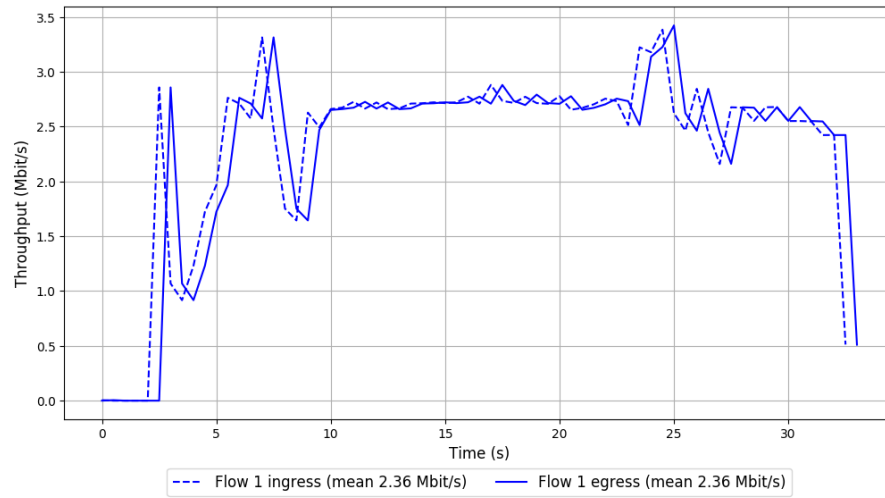


Run 9: Statistics of WebRTC media

Start at: 2018-07-25 02:24:58
End at: 2018-07-25 02:25:28
Local clock offset: -1.84 ms
Remote clock offset: -2.255 ms

Below is generated by plot.py at 2018-07-25 03:13:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 2.932 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 2.932 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-25 02:44:00

End at: 2018-07-25 02:44:30

Local clock offset: -1.943 ms

Remote clock offset: -1.63 ms

Below is generated by plot.py at 2018-07-25 03:13:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 2.814 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 2.814 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

