

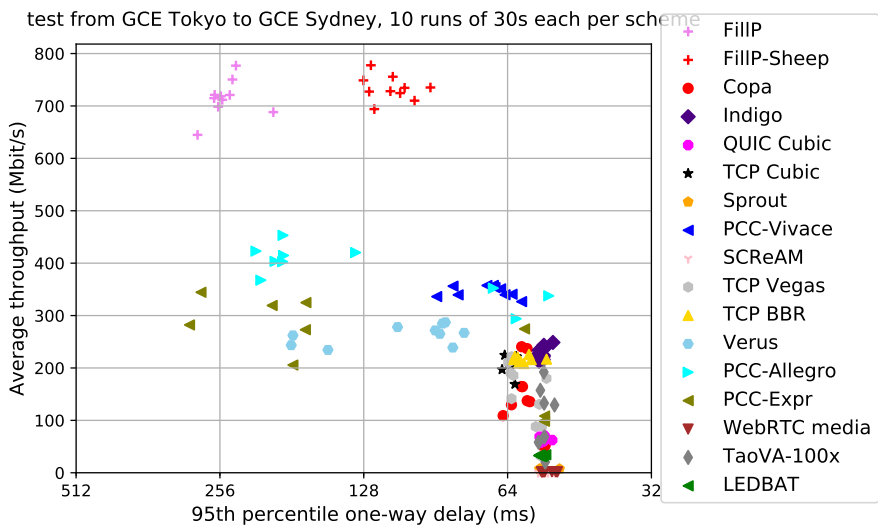
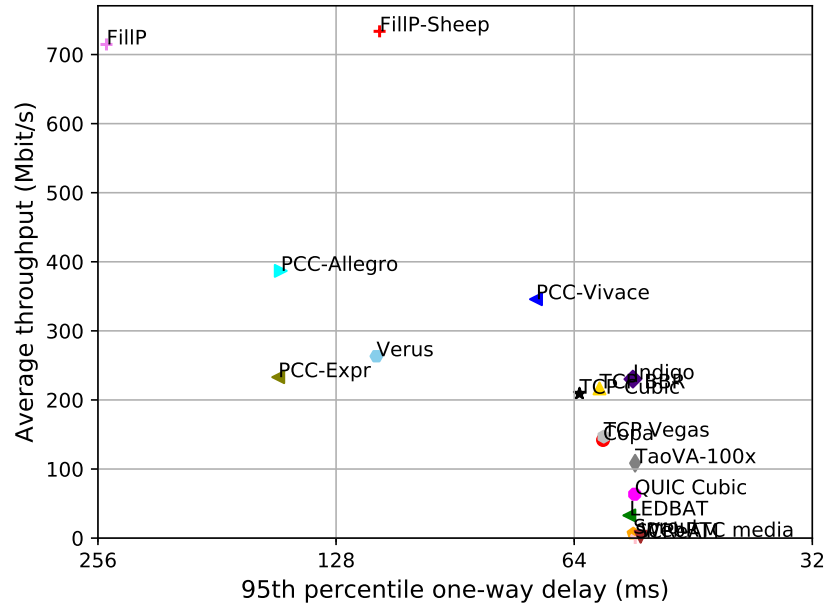
Pantheon Report

Generated at 2018-07-27 08:05:26 (UTC).
Data path: GCE Tokyo Ethernet (*remote*) → GCE Sydney 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 `time.google.com` and have been applied
to correct the timestamps in logs.

Git summary:

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

test from GCE Tokyo to GCE Sydney, 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	216.69	59.46	0.35
Copa	10	142.01	58.85	0.24
TCP Cubic	10	209.07	63.02	0.35
FillP	10	714.62	249.71	3.89
FillP-Sheep	10	733.61	112.77	0.64
Indigo	10	230.16	53.95	0.34
LEDBAT	10	32.83	54.51	0.68
PCC-Allegro	10	386.85	150.35	0.74
PCC-Expr	10	232.95	151.48	3.37
QUIC Cubic	9	63.52	53.66	0.58
SCReAM	10	0.21	53.58	0.37
Sprout	10	6.54	53.89	0.37
TaoVA-100x	7	108.43	53.60	0.18
TCP Vegas	10	146.89	58.73	0.32
Verus	10	263.28	113.82	1.00
PCC-Vivace	10	345.82	71.53	0.48
WebRTC media	10	1.93	52.75	0.40

Run 1: Statistics of TCP BBR

Start at: 2018-07-27 02:18:41
End at: 2018-07-27 02:19:11
Local clock offset: -0.095 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-07-27 06:06:53

Datalink statistics

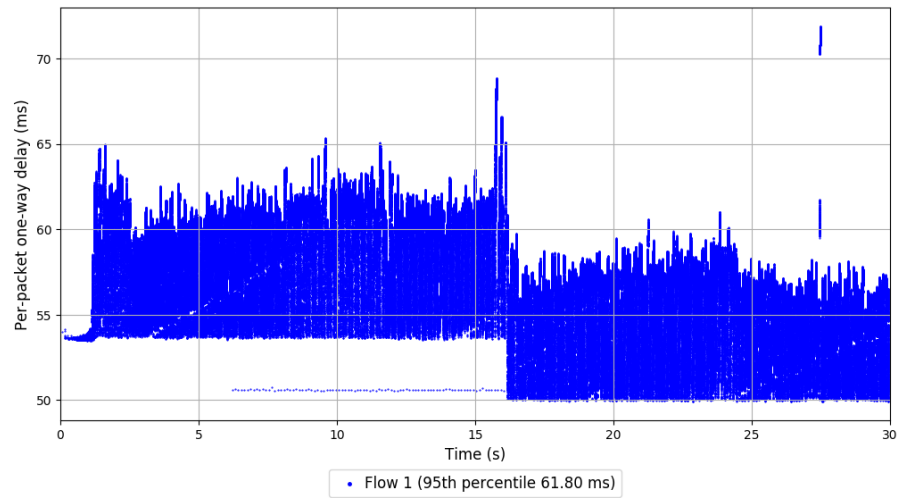
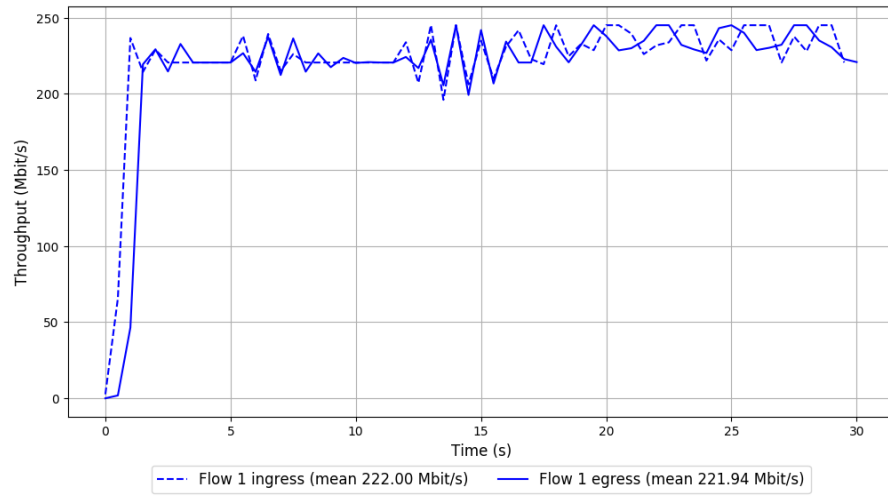
-- Total of 1 flow:

Average throughput: 221.94 Mbit/s
95th percentile per-packet one-way delay: 61.796 ms
Loss rate: 0.35%

-- Flow 1:

Average throughput: 221.94 Mbit/s
95th percentile per-packet one-way delay: 61.796 ms
Loss rate: 0.35%

Run 1: Report of TCP BBR — Data Link

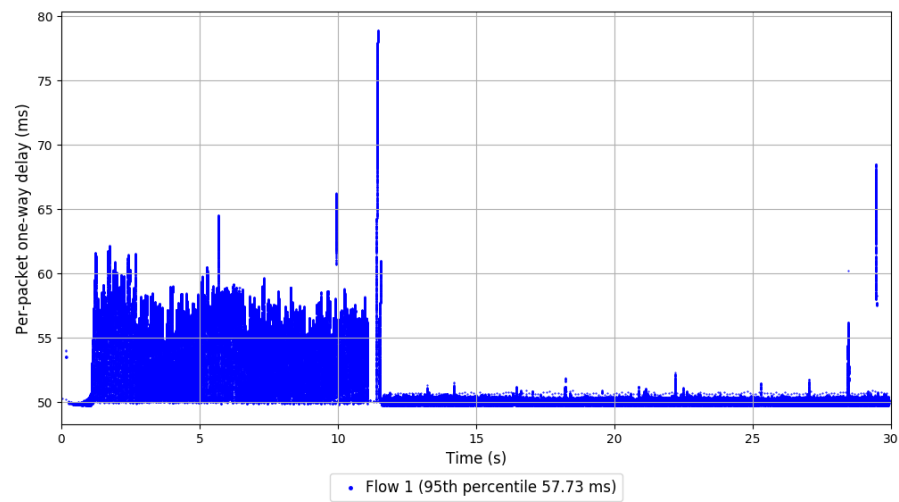
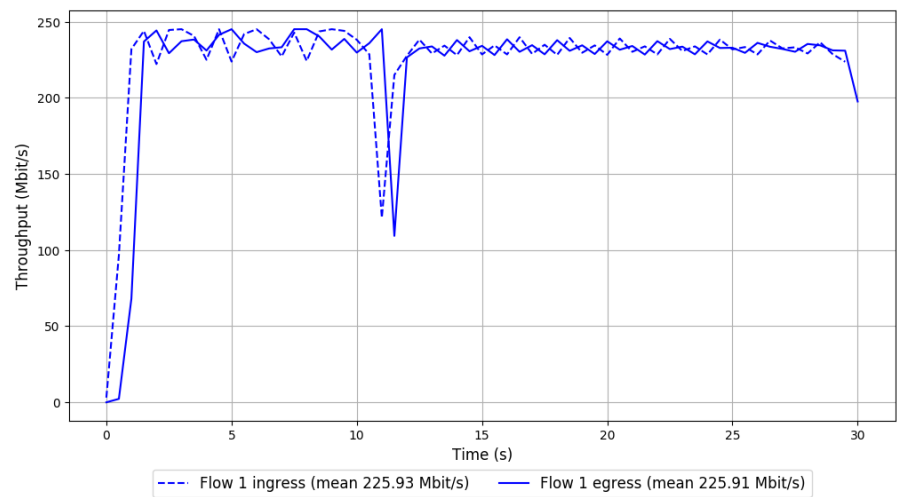


Run 2: Statistics of TCP BBR

Start at: 2018-07-27 02:40:27
End at: 2018-07-27 02:40:57
Local clock offset: -0.318 ms
Remote clock offset: -0.178 ms

Below is generated by plot.py at 2018-07-27 06:06:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 225.91 Mbit/s
95th percentile per-packet one-way delay: 57.731 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 225.91 Mbit/s
95th percentile per-packet one-way delay: 57.731 ms
Loss rate: 0.36%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-27 03:02:09

End at: 2018-07-27 03:02:39

Local clock offset: -0.133 ms

Remote clock offset: 1.119 ms

Below is generated by plot.py at 2018-07-27 06:06:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.93 Mbit/s

95th percentile per-packet one-way delay: 60.156 ms

Loss rate: 0.38%

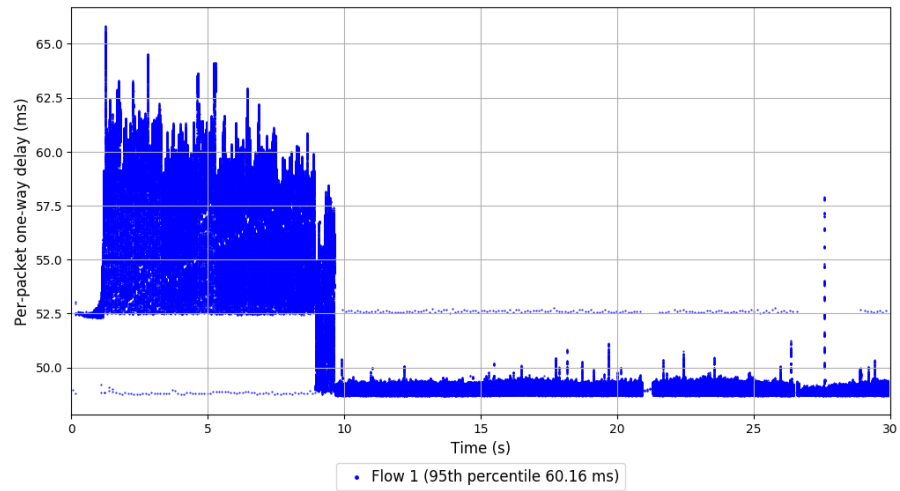
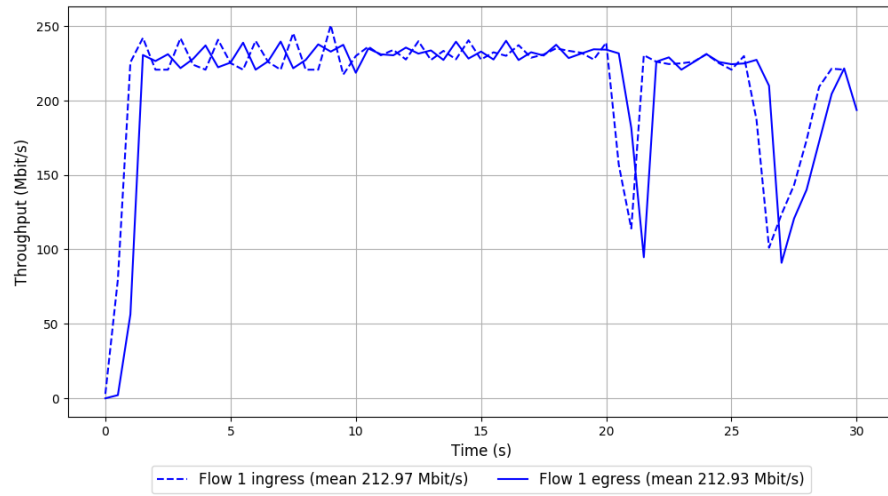
-- Flow 1:

Average throughput: 212.93 Mbit/s

95th percentile per-packet one-way delay: 60.156 ms

Loss rate: 0.38%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-27 03:23:38

End at: 2018-07-27 03:24:08

Local clock offset: -0.03 ms

Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-27 06:06:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.59 Mbit/s

95th percentile per-packet one-way delay: 60.645 ms

Loss rate: 0.19%

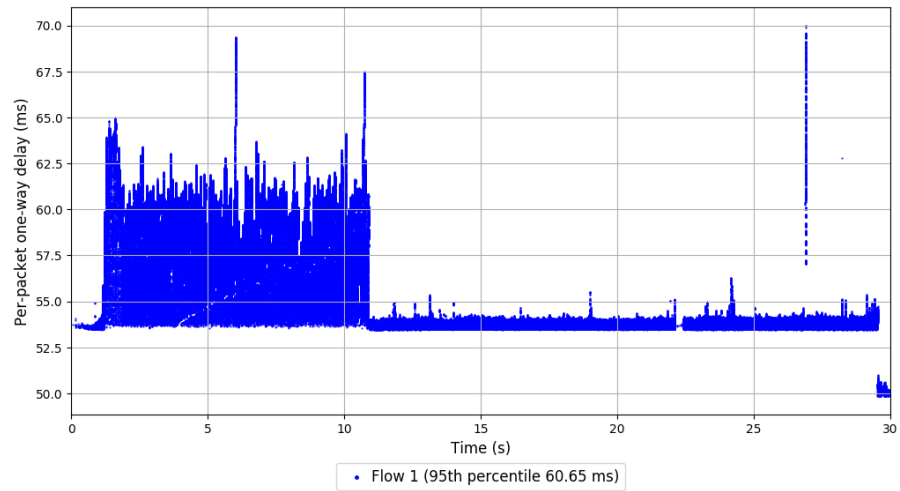
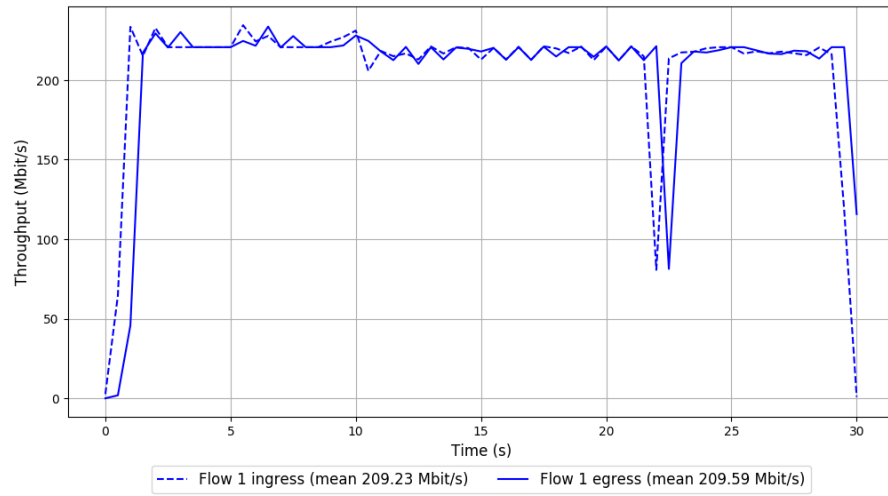
-- Flow 1:

Average throughput: 209.59 Mbit/s

95th percentile per-packet one-way delay: 60.645 ms

Loss rate: 0.19%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-27 03:45:24

End at: 2018-07-27 03:45:54

Local clock offset: 0.057 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-07-27 06:06:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.07 Mbit/s

95th percentile per-packet one-way delay: 62.180 ms

Loss rate: 0.37%

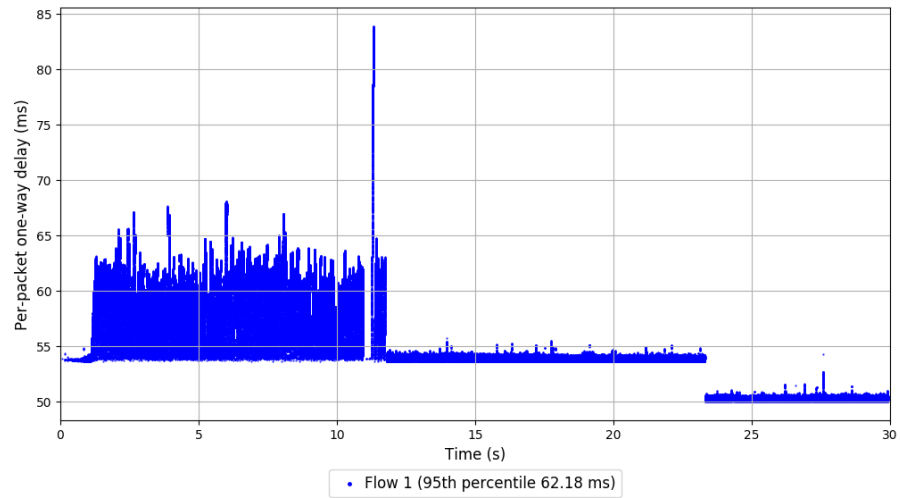
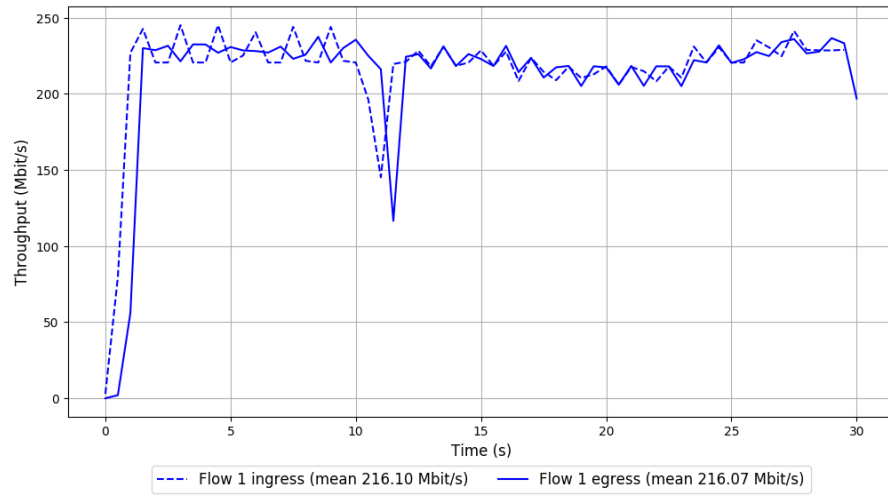
-- Flow 1:

Average throughput: 216.07 Mbit/s

95th percentile per-packet one-way delay: 62.180 ms

Loss rate: 0.37%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-27 04:06:48

End at: 2018-07-27 04:07:18

Local clock offset: 0.008 ms

Remote clock offset: 1.065 ms

Below is generated by plot.py at 2018-07-27 06:06:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.81 Mbit/s

95th percentile per-packet one-way delay: 53.052 ms

Loss rate: 0.34%

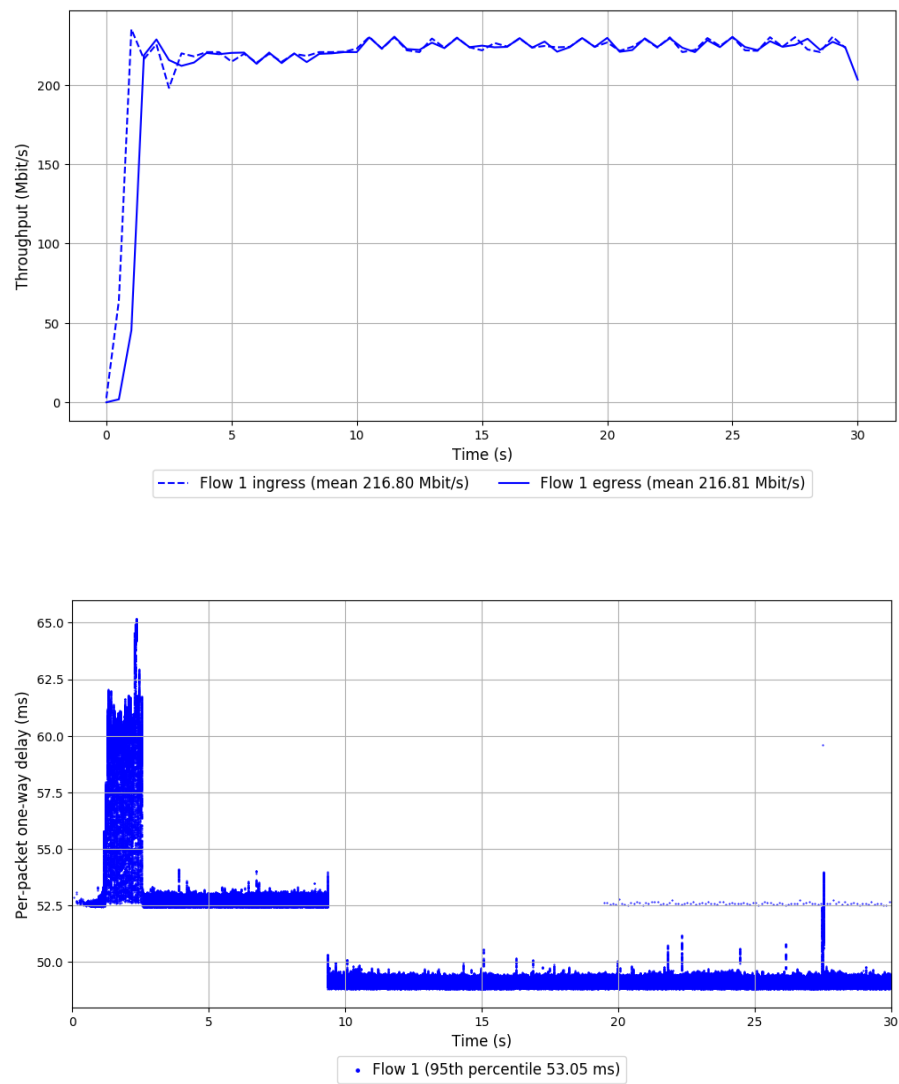
-- Flow 1:

Average throughput: 216.81 Mbit/s

95th percentile per-packet one-way delay: 53.052 ms

Loss rate: 0.34%

Run 6: Report of TCP BBR — Data Link

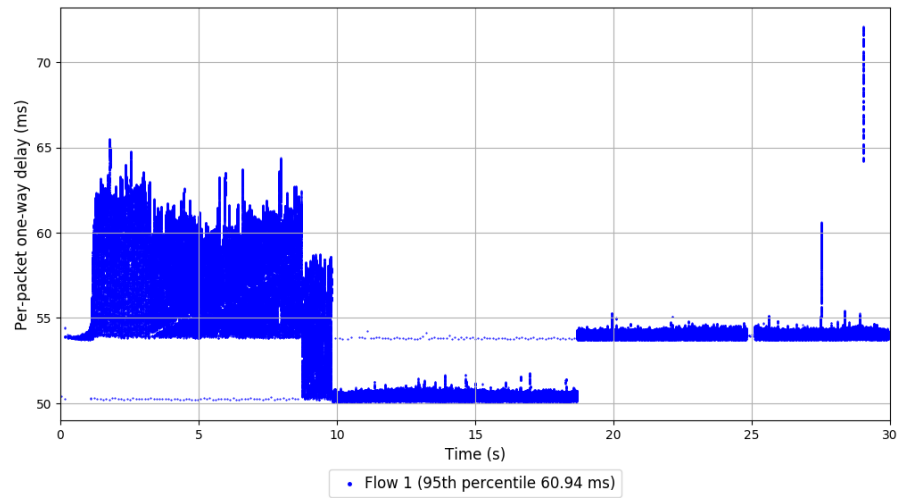
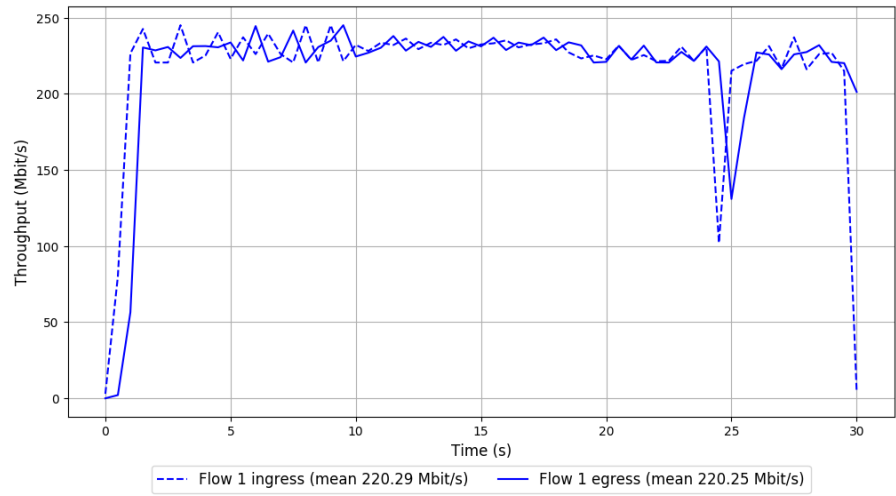


Run 7: Statistics of TCP BBR

Start at: 2018-07-27 04:28:29
End at: 2018-07-27 04:28:59
Local clock offset: -0.001 ms
Remote clock offset: -0.239 ms

Below is generated by plot.py at 2018-07-27 06:06:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 220.25 Mbit/s
95th percentile per-packet one-way delay: 60.943 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 220.25 Mbit/s
95th percentile per-packet one-way delay: 60.943 ms
Loss rate: 0.37%

Run 7: Report of TCP BBR — Data Link

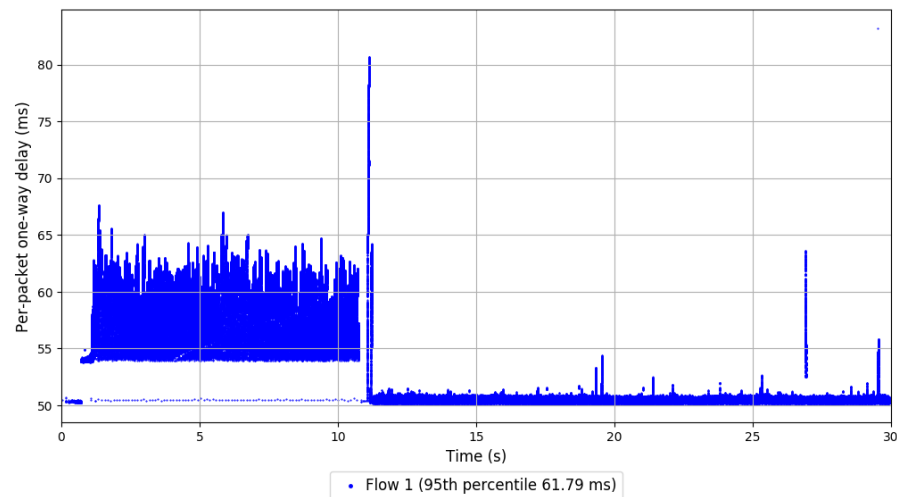
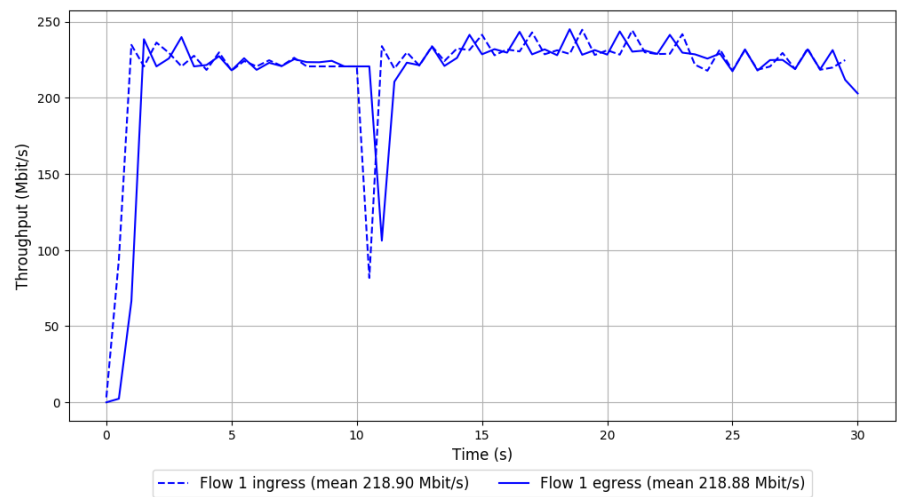


Run 8: Statistics of TCP BBR

Start at: 2018-07-27 04:50:37
End at: 2018-07-27 04:51:07
Local clock offset: -0.017 ms
Remote clock offset: -0.296 ms

Below is generated by plot.py at 2018-07-27 06:06:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 218.88 Mbit/s
95th percentile per-packet one-way delay: 61.792 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 218.88 Mbit/s
95th percentile per-packet one-way delay: 61.792 ms
Loss rate: 0.35%

Run 8: Report of TCP BBR — Data Link

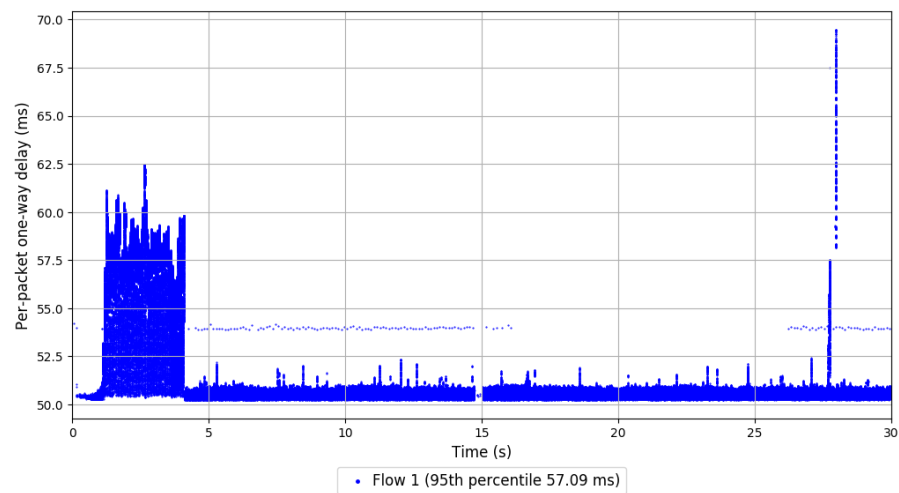
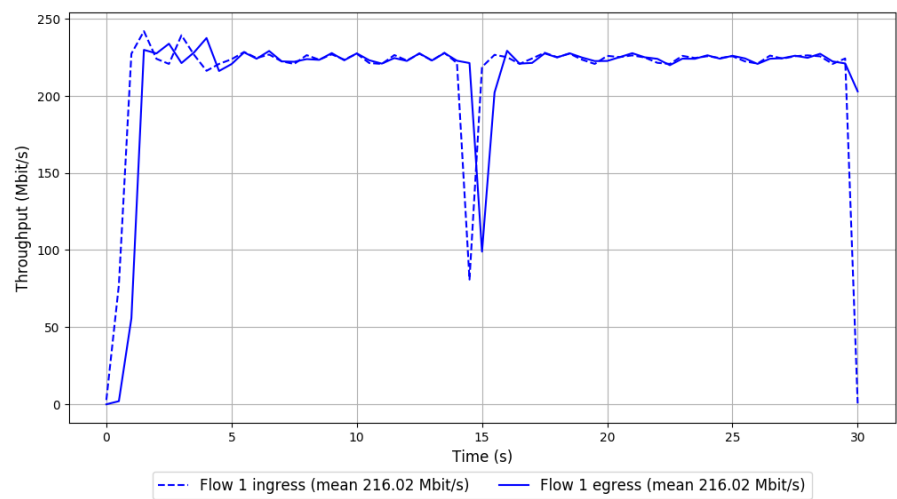


Run 9: Statistics of TCP BBR

Start at: 2018-07-27 05:12:31
End at: 2018-07-27 05:13:01
Local clock offset: 0.256 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-27 06:11:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.02 Mbit/s
95th percentile per-packet one-way delay: 57.087 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 216.02 Mbit/s
95th percentile per-packet one-way delay: 57.087 ms
Loss rate: 0.36%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-27 05:34:23

End at: 2018-07-27 05:34:53

Local clock offset: -0.034 ms

Remote clock offset: 1.068 ms

Below is generated by plot.py at 2018-07-27 06:11:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.51 Mbit/s

95th percentile per-packet one-way delay: 59.169 ms

Loss rate: 0.39%

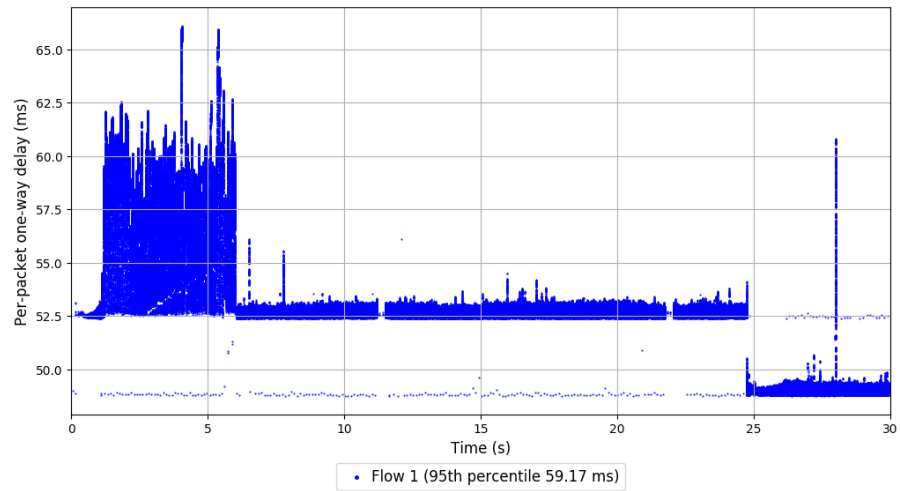
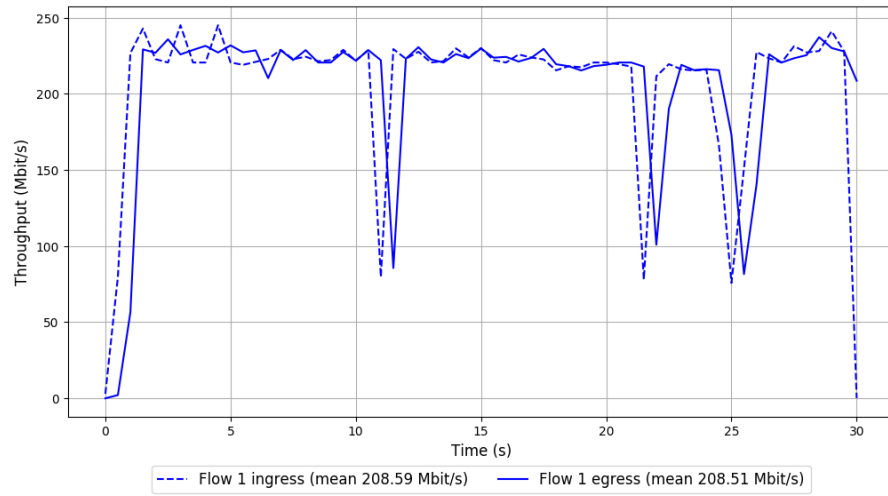
-- Flow 1:

Average throughput: 208.51 Mbit/s

95th percentile per-packet one-way delay: 59.169 ms

Loss rate: 0.39%

Run 10: Report of TCP BBR — Data Link

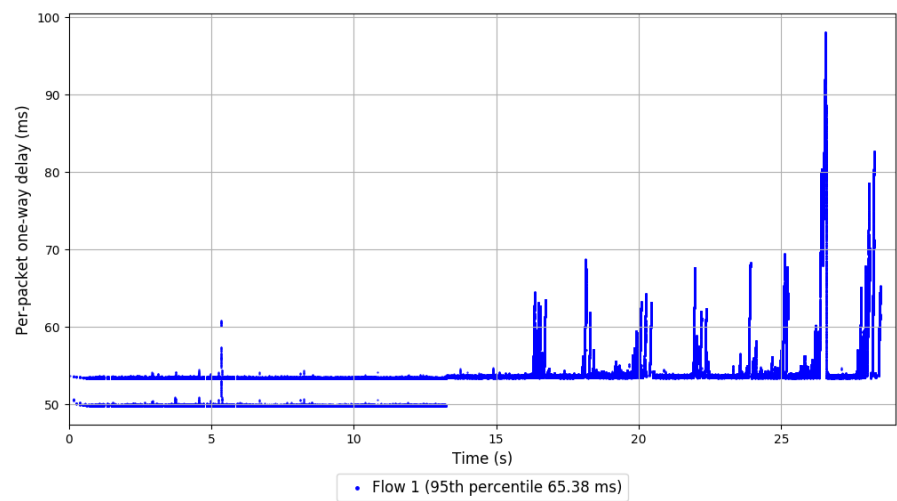
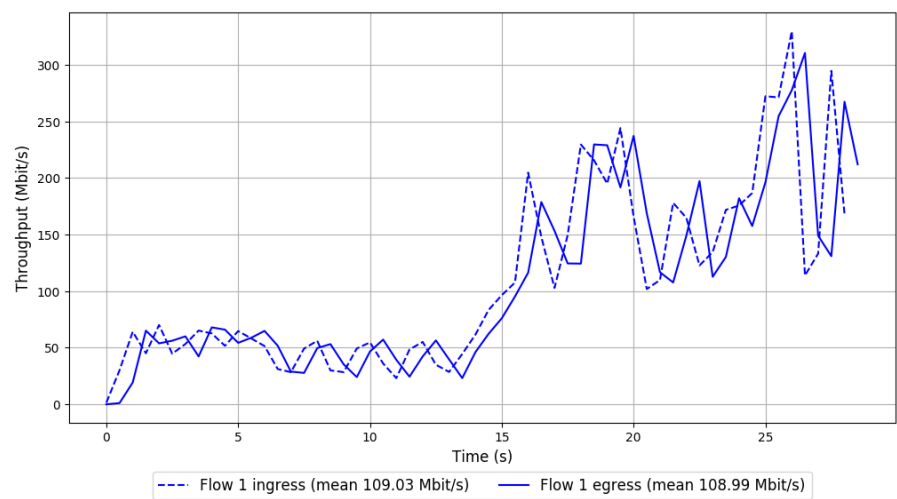


Run 1: Statistics of Copa

Start at: 2018-07-27 02:28:34
End at: 2018-07-27 02:29:04
Local clock offset: -0.203 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-27 06:11:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 108.99 Mbit/s
95th percentile per-packet one-way delay: 65.383 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 108.99 Mbit/s
95th percentile per-packet one-way delay: 65.383 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

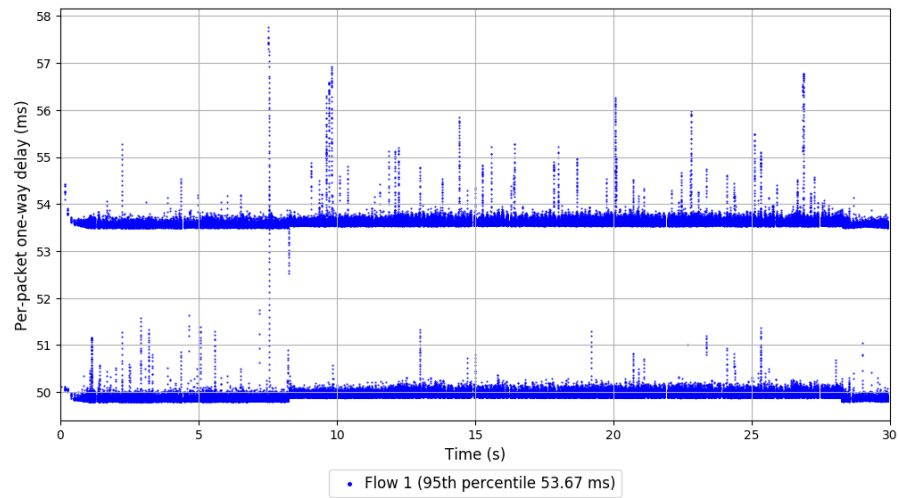
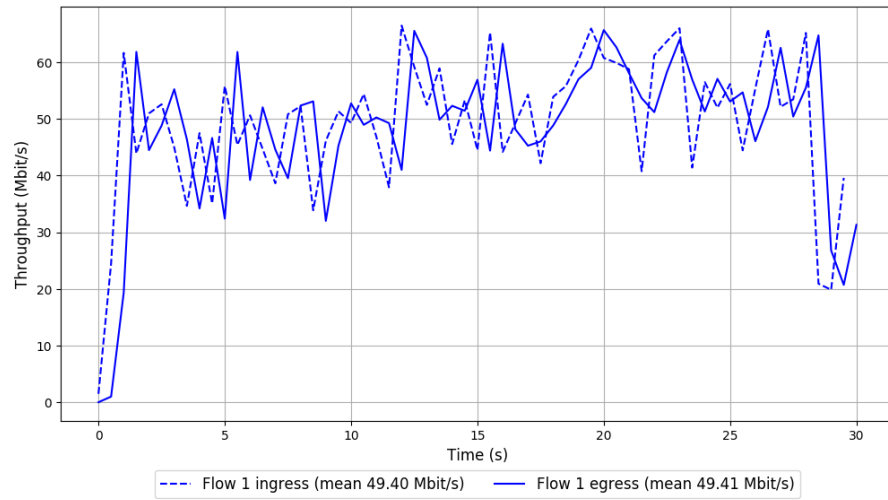


Run 2: Statistics of Copa

Start at: 2018-07-27 02:50:29
End at: 2018-07-27 02:50:59
Local clock offset: -0.087 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-27 06:11:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 49.41 Mbit/s
95th percentile per-packet one-way delay: 53.675 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 49.41 Mbit/s
95th percentile per-packet one-way delay: 53.675 ms
Loss rate: 0.34%

Run 2: Report of Copa — Data Link

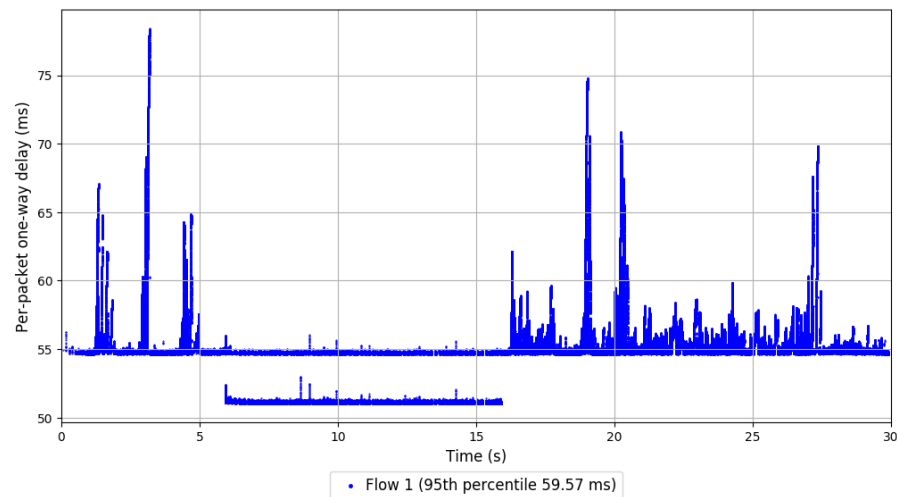
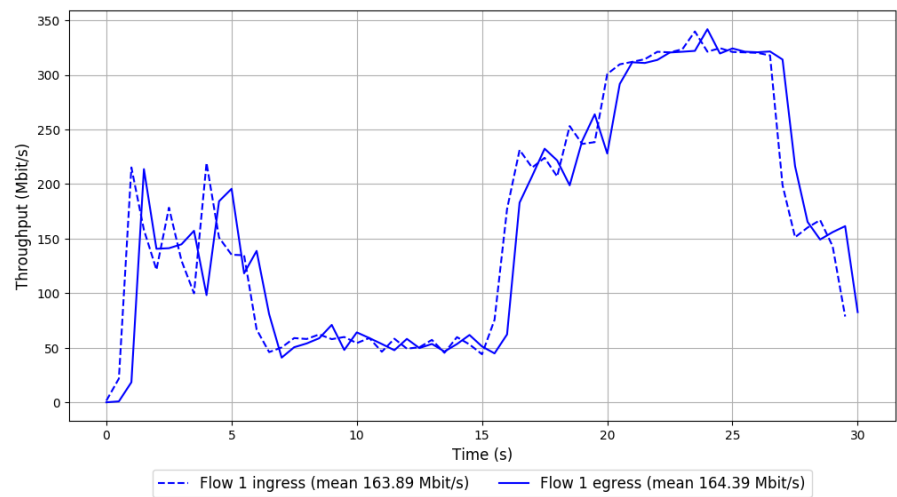


Run 3: Statistics of Copa

Start at: 2018-07-27 03:12:01
End at: 2018-07-27 03:12:31
Local clock offset: -0.036 ms
Remote clock offset: -1.131 ms

Below is generated by plot.py at 2018-07-27 06:12:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 164.39 Mbit/s
95th percentile per-packet one-way delay: 59.567 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 164.39 Mbit/s
95th percentile per-packet one-way delay: 59.567 ms
Loss rate: 0.06%

Run 3: Report of Copa — Data Link

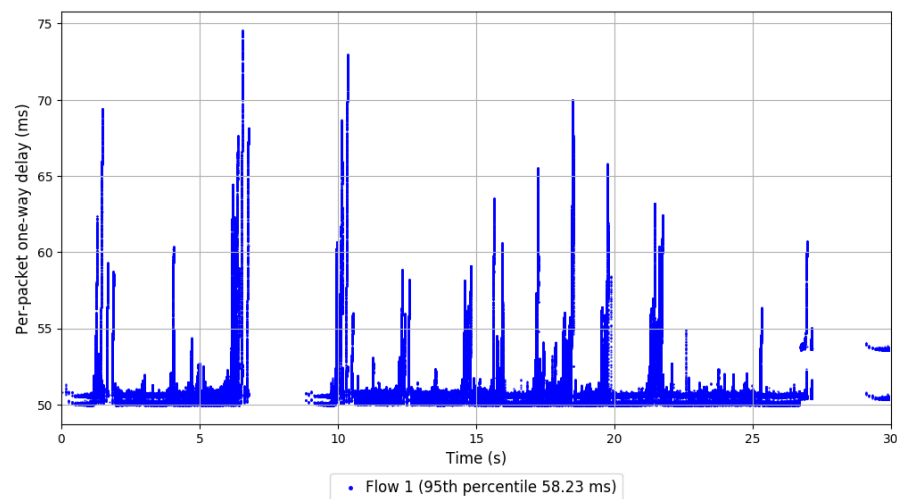
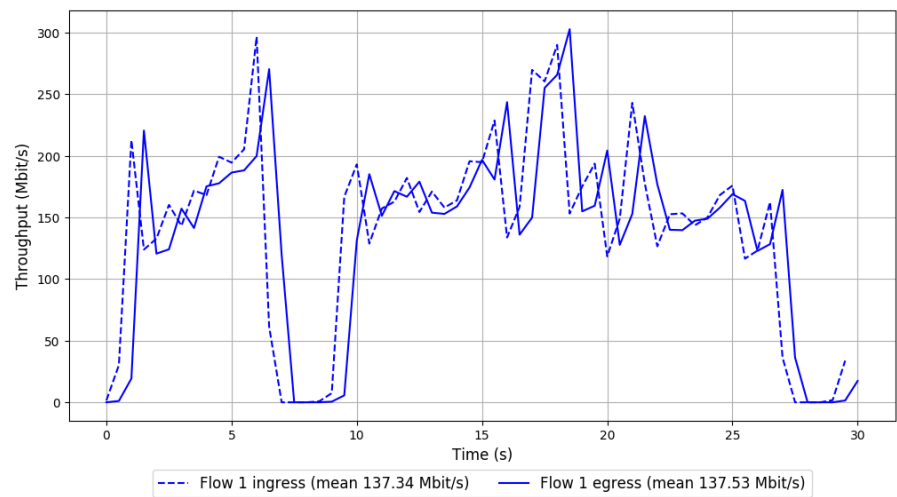


Run 4: Statistics of Copa

Start at: 2018-07-27 03:33:31
End at: 2018-07-27 03:34:01
Local clock offset: -0.14 ms
Remote clock offset: -0.234 ms

Below is generated by plot.py at 2018-07-27 06:12:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 137.53 Mbit/s
95th percentile per-packet one-way delay: 58.228 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 137.53 Mbit/s
95th percentile per-packet one-way delay: 58.228 ms
Loss rate: 0.20%

Run 4: Report of Copa — Data Link

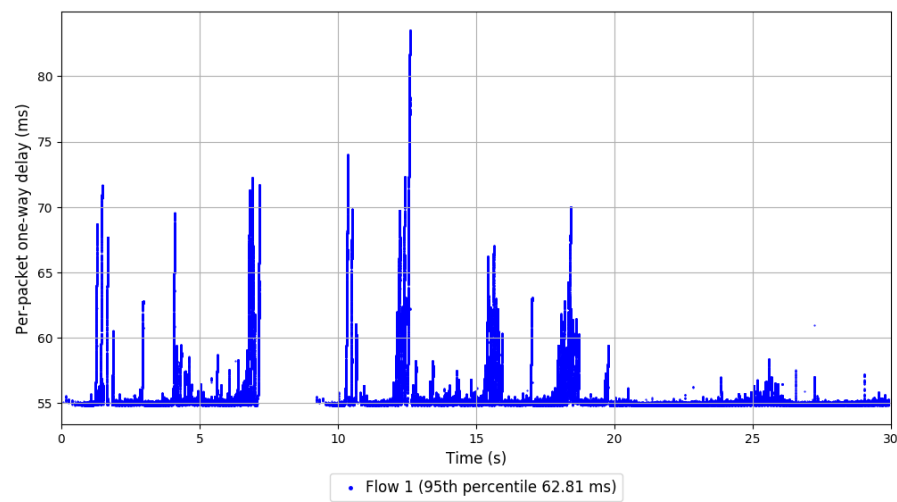
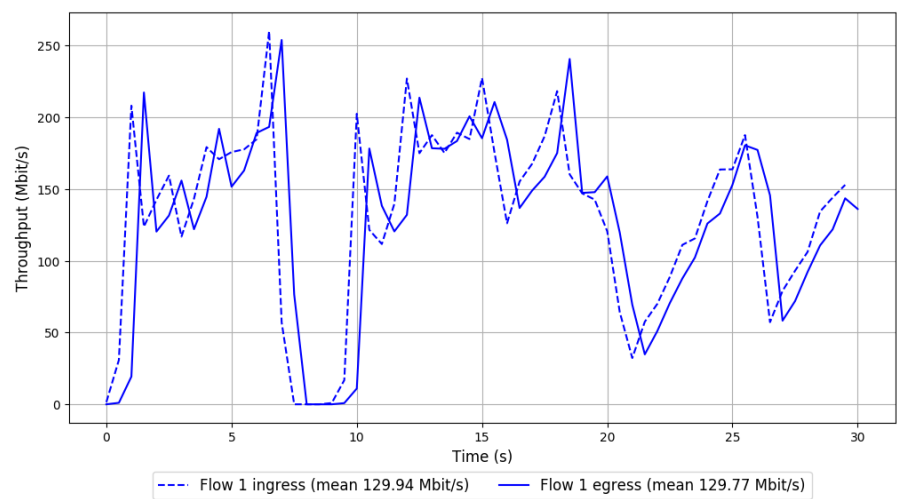


Run 5: Statistics of Copa

Start at: 2018-07-27 03:55:20
End at: 2018-07-27 03:55:50
Local clock offset: -0.019 ms
Remote clock offset: -1.396 ms

Below is generated by plot.py at 2018-07-27 06:12:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 129.77 Mbit/s
95th percentile per-packet one-way delay: 62.815 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 129.77 Mbit/s
95th percentile per-packet one-way delay: 62.815 ms
Loss rate: 0.48%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-27 04:16:50

End at: 2018-07-27 04:17:20

Local clock offset: -0.02 ms

Remote clock offset: 1.284 ms

Below is generated by plot.py at 2018-07-27 06:12:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 135.69 Mbit/s

95th percentile per-packet one-way delay: 57.481 ms

Loss rate: 0.43%

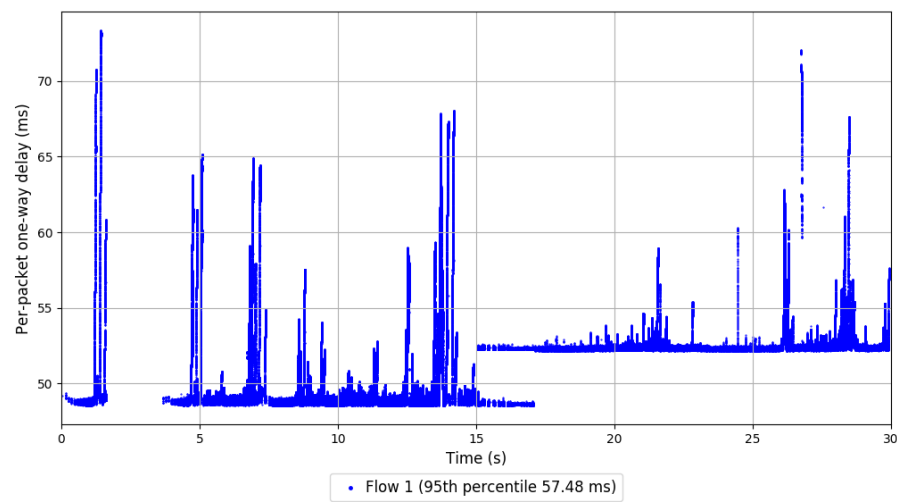
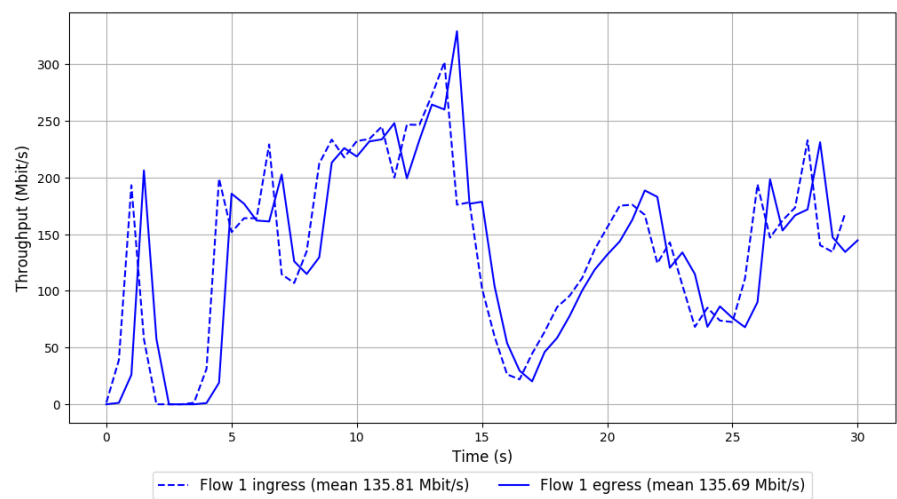
-- Flow 1:

Average throughput: 135.69 Mbit/s

95th percentile per-packet one-way delay: 57.481 ms

Loss rate: 0.43%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-07-27 04:38:27

End at: 2018-07-27 04:38:57

Local clock offset: 0.093 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-27 06:18:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 240.56 Mbit/s

95th percentile per-packet one-way delay: 59.809 ms

Loss rate: 0.26%

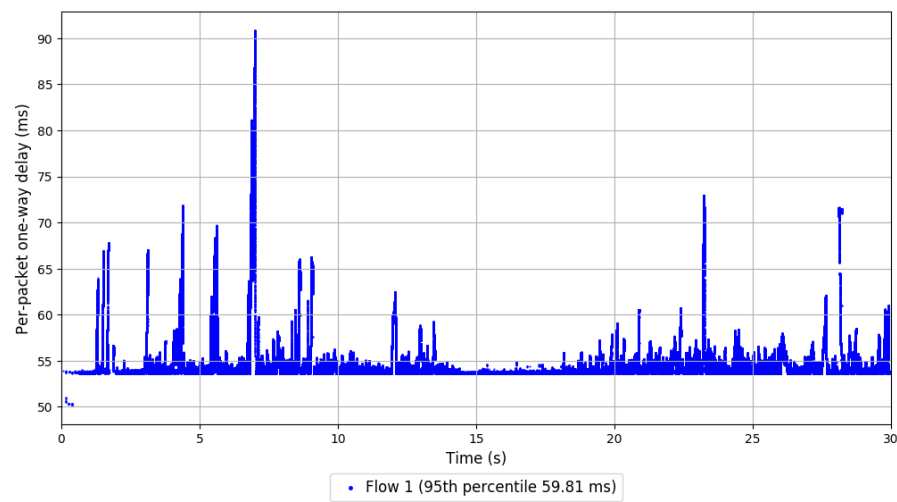
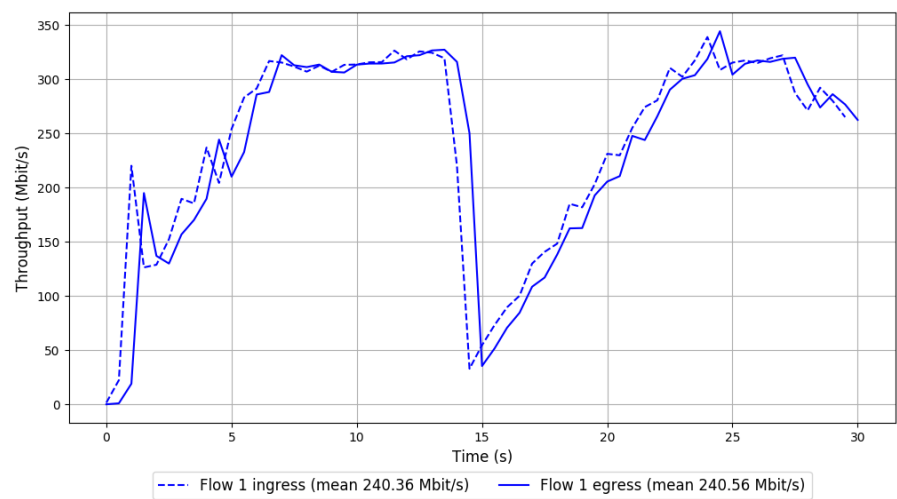
-- Flow 1:

Average throughput: 240.56 Mbit/s

95th percentile per-packet one-way delay: 59.809 ms

Loss rate: 0.26%

Run 7: Report of Copa — Data Link

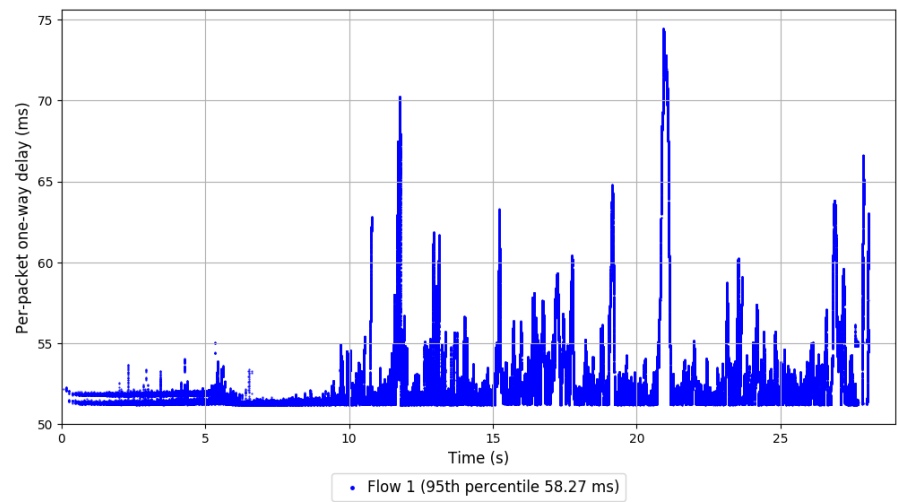
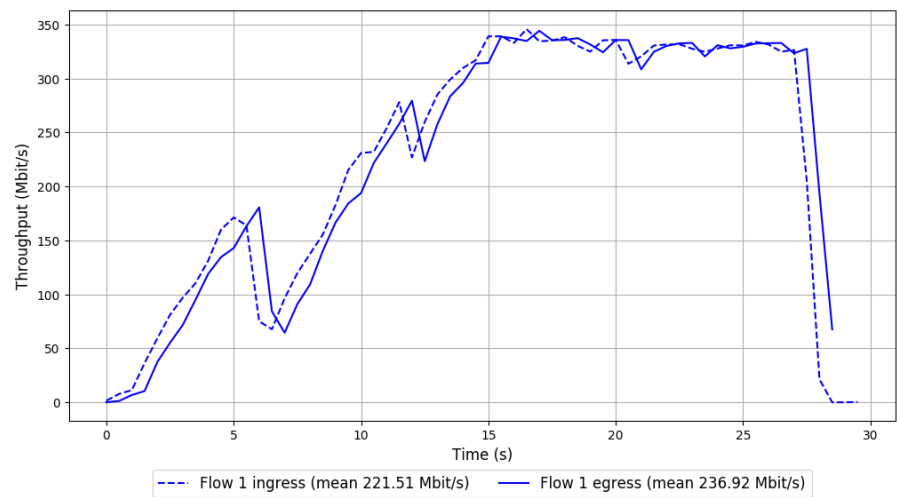


Run 8: Statistics of Copa

Start at: 2018-07-27 05:00:40
End at: 2018-07-27 05:01:10
Local clock offset: -0.009 ms
Remote clock offset: -1.319 ms

Below is generated by plot.py at 2018-07-27 06:19:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 236.92 Mbit/s
95th percentile per-packet one-way delay: 58.267 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 236.92 Mbit/s
95th percentile per-packet one-way delay: 58.267 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

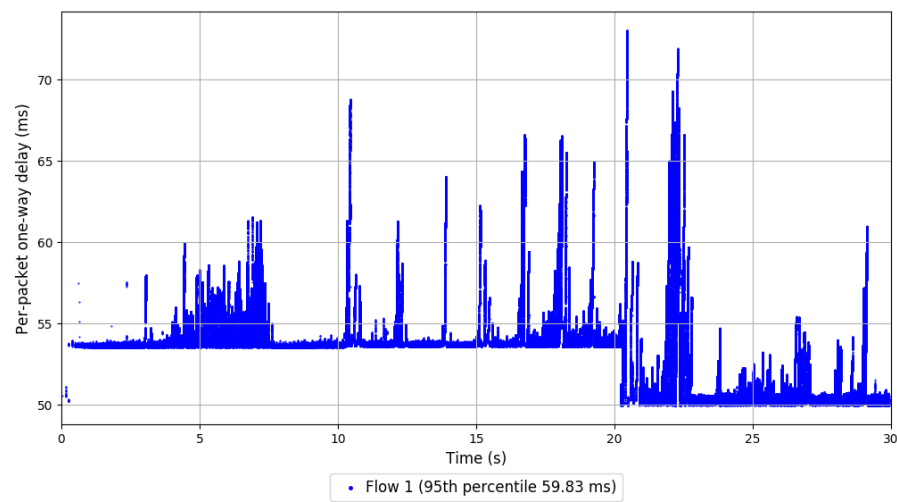
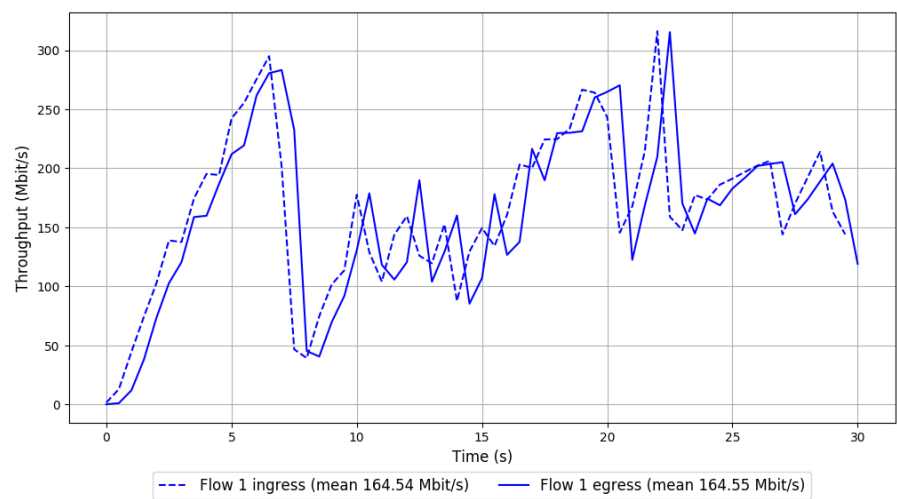


Run 9: Statistics of Copa

Start at: 2018-07-27 05:22:27
End at: 2018-07-27 05:22:57
Local clock offset: 0.056 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-27 06:19:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 164.55 Mbit/s
95th percentile per-packet one-way delay: 59.826 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 164.55 Mbit/s
95th percentile per-packet one-way delay: 59.826 ms
Loss rate: 0.33%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-27 05:44:15

End at: 2018-07-27 05:44:45

Local clock offset: 0.071 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2018-07-27 06:19:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.29 Mbit/s

95th percentile per-packet one-way delay: 53.406 ms

Loss rate: 0.34%

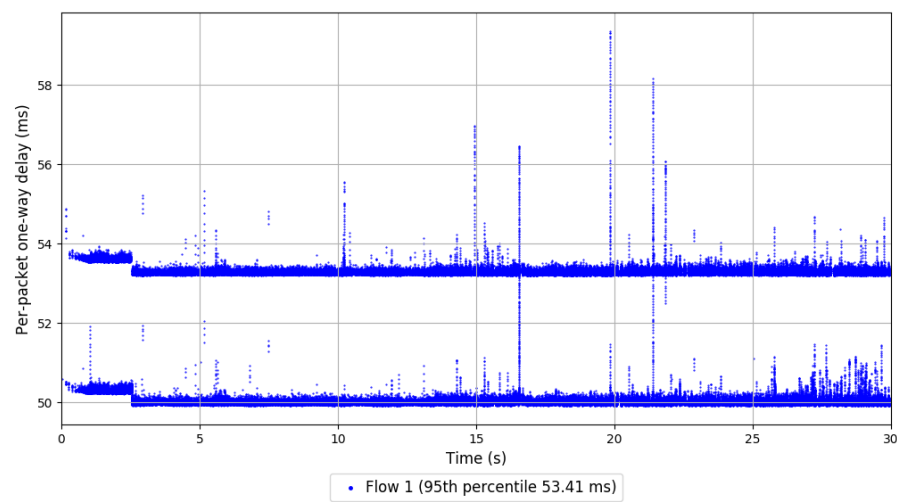
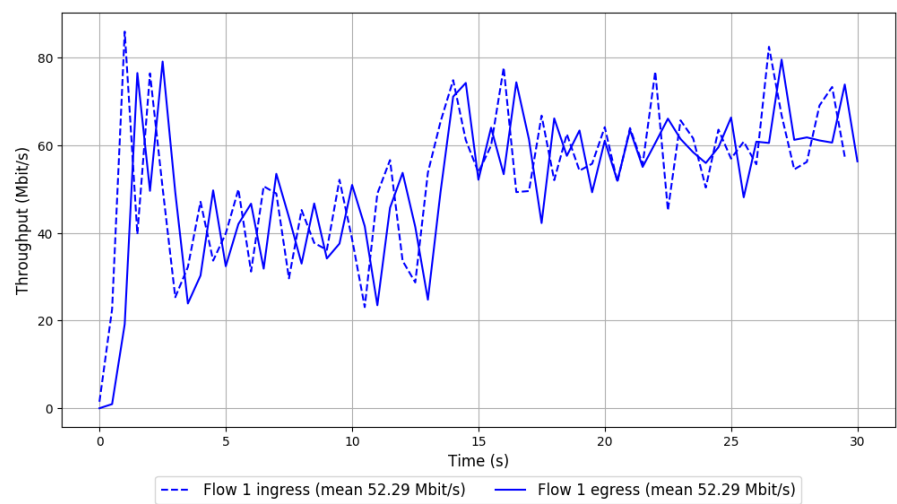
-- Flow 1:

Average throughput: 52.29 Mbit/s

95th percentile per-packet one-way delay: 53.406 ms

Loss rate: 0.34%

Run 10: Report of Copa — Data Link

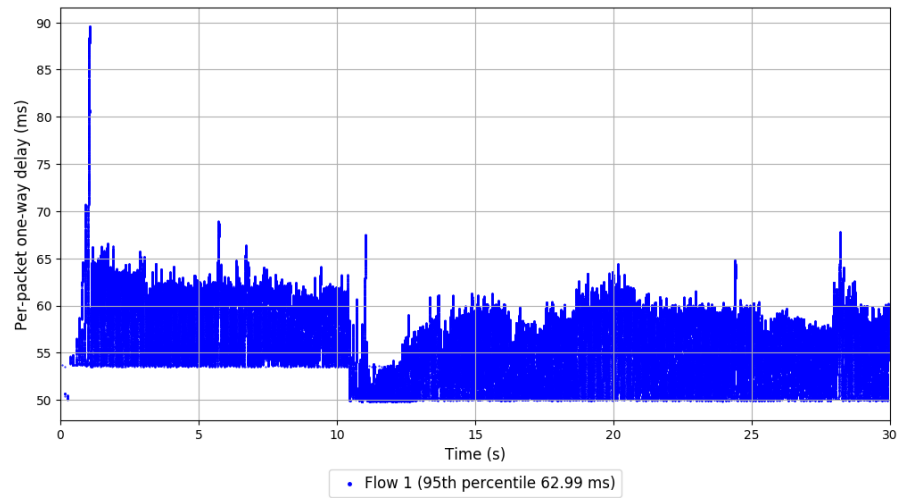
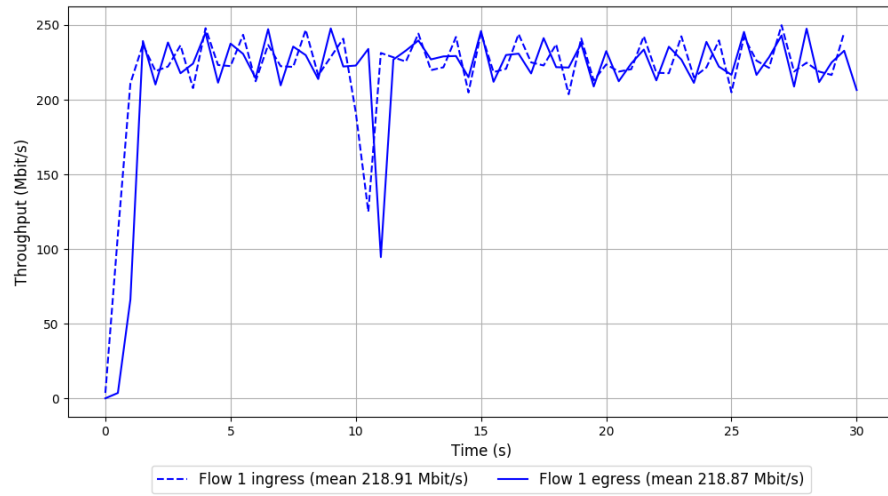


Run 1: Statistics of TCP Cubic

Start at: 2018-07-27 02:30:57
End at: 2018-07-27 02:31:27
Local clock offset: -0.103 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-27 06:19:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 218.87 Mbit/s
95th percentile per-packet one-way delay: 62.986 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 218.87 Mbit/s
95th percentile per-packet one-way delay: 62.986 ms
Loss rate: 0.36%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-27 02:52:44

End at: 2018-07-27 02:53:14

Local clock offset: -0.049 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-27 06:19:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.84 Mbit/s

95th percentile per-packet one-way delay: 63.163 ms

Loss rate: 0.25%

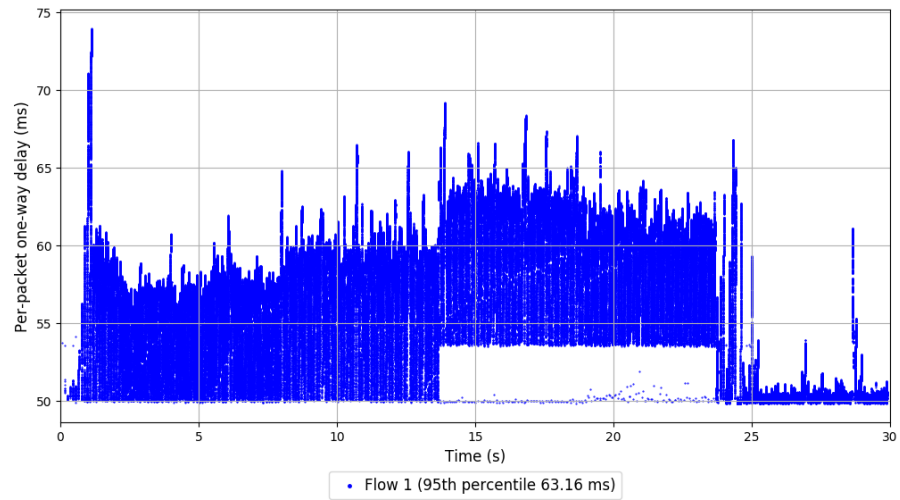
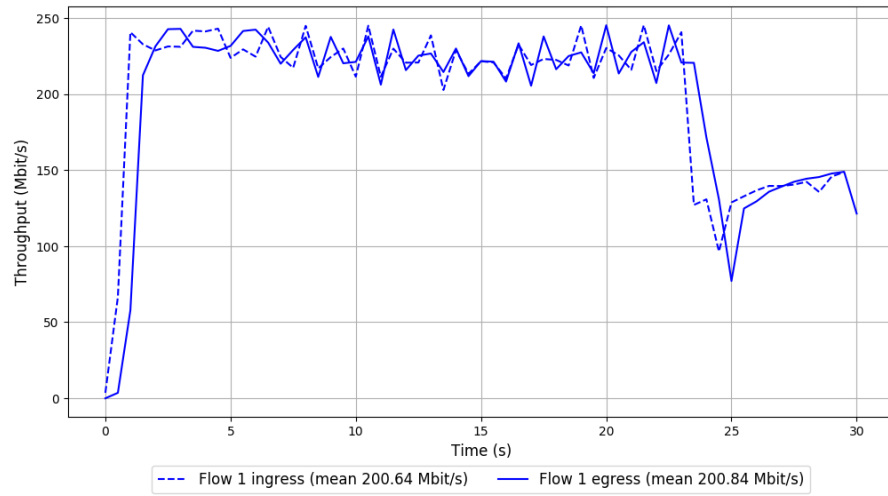
-- Flow 1:

Average throughput: 200.84 Mbit/s

95th percentile per-packet one-way delay: 63.163 ms

Loss rate: 0.25%

Run 2: Report of TCP Cubic — Data Link

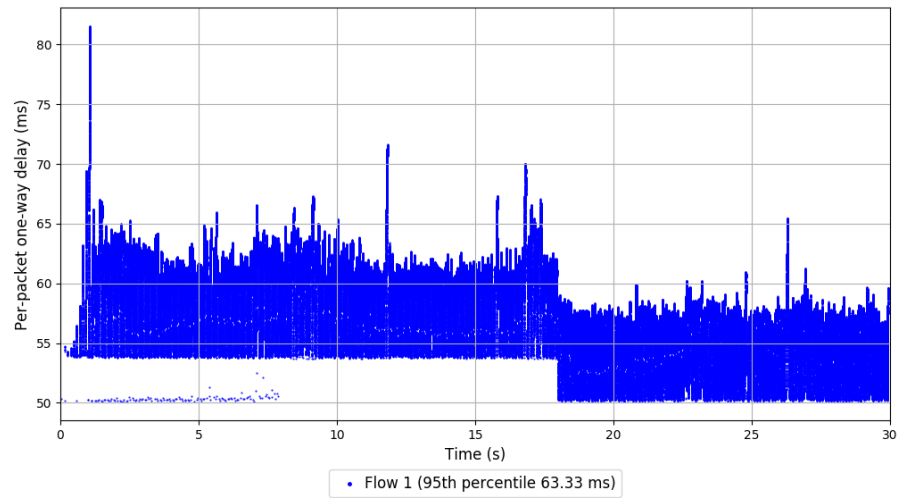
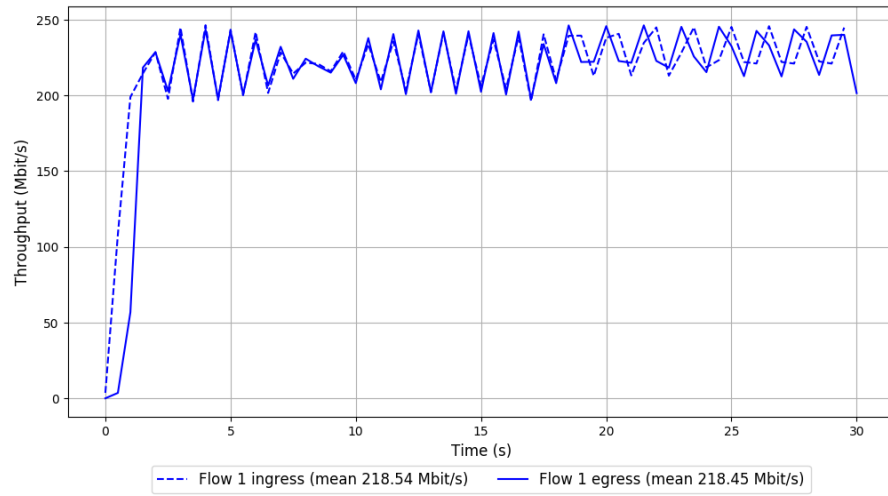


Run 3: Statistics of TCP Cubic

Start at: 2018-07-27 03:14:29
End at: 2018-07-27 03:14:59
Local clock offset: 0.045 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-07-27 06:19:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 218.45 Mbit/s
95th percentile per-packet one-way delay: 63.330 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 218.45 Mbit/s
95th percentile per-packet one-way delay: 63.330 ms
Loss rate: 0.37%

Run 3: Report of TCP Cubic — Data Link

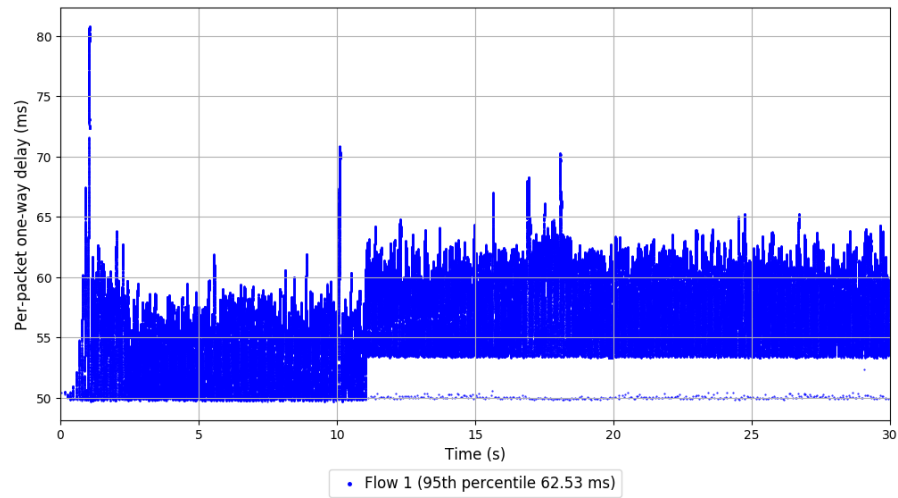
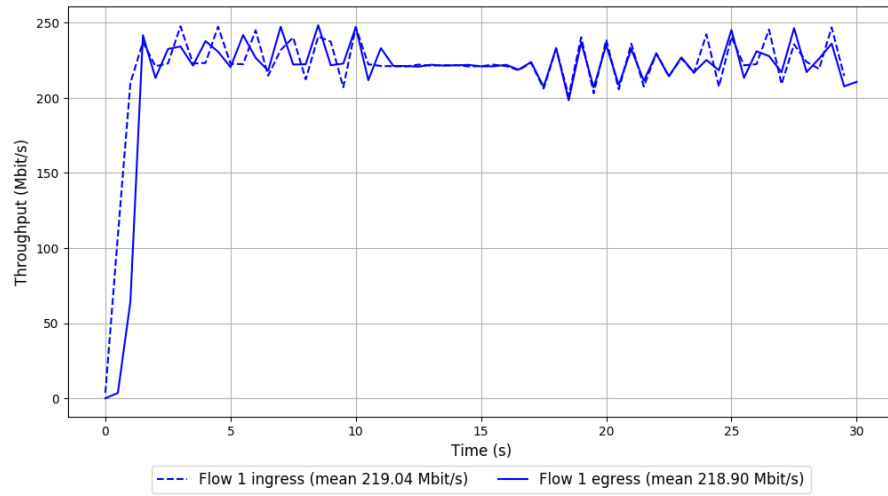


Run 4: Statistics of TCP Cubic

Start at: 2018-07-27 03:35:56
End at: 2018-07-27 03:36:26
Local clock offset: -0.265 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-27 06:19:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 218.90 Mbit/s
95th percentile per-packet one-way delay: 62.535 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 218.90 Mbit/s
95th percentile per-packet one-way delay: 62.535 ms
Loss rate: 0.40%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-27 03:57:46

End at: 2018-07-27 03:58:16

Local clock offset: -0.118 ms

Remote clock offset: 1.158 ms

Below is generated by plot.py at 2018-07-27 06:19:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.03 Mbit/s

95th percentile per-packet one-way delay: 61.284 ms

Loss rate: 0.38%

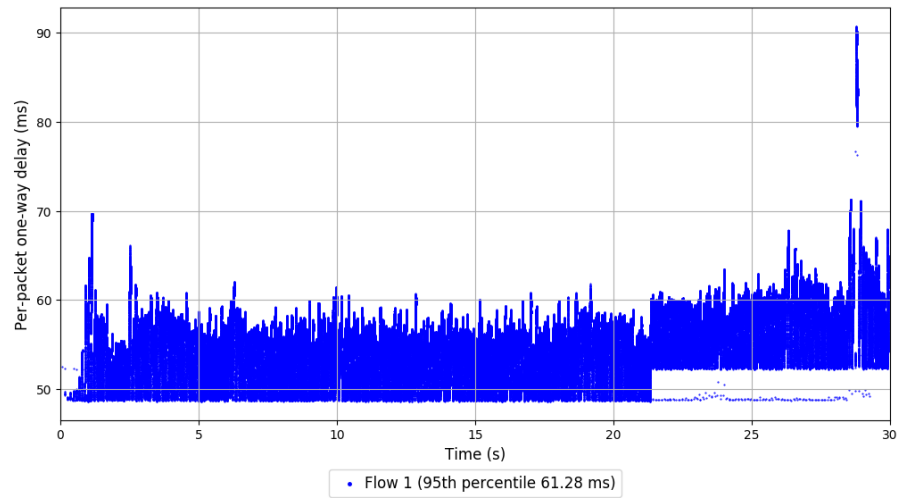
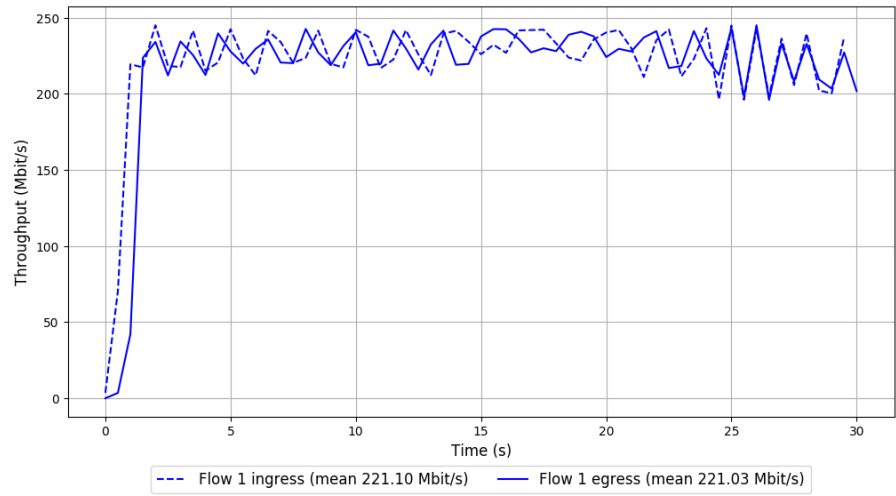
-- Flow 1:

Average throughput: 221.03 Mbit/s

95th percentile per-packet one-way delay: 61.284 ms

Loss rate: 0.38%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-27 04:19:16

End at: 2018-07-27 04:19:46

Local clock offset: -0.1 ms

Remote clock offset: 1.166 ms

Below is generated by plot.py at 2018-07-27 06:19:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 169.06 Mbit/s

95th percentile per-packet one-way delay: 61.785 ms

Loss rate: 0.36%

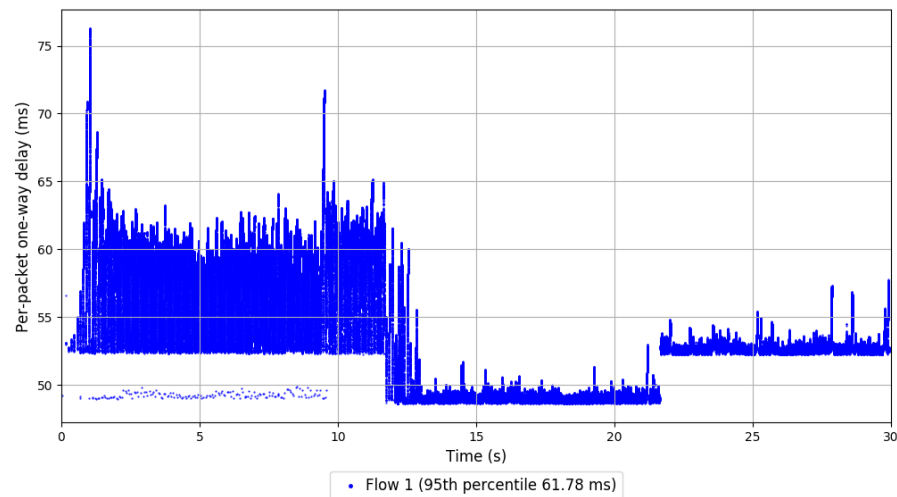
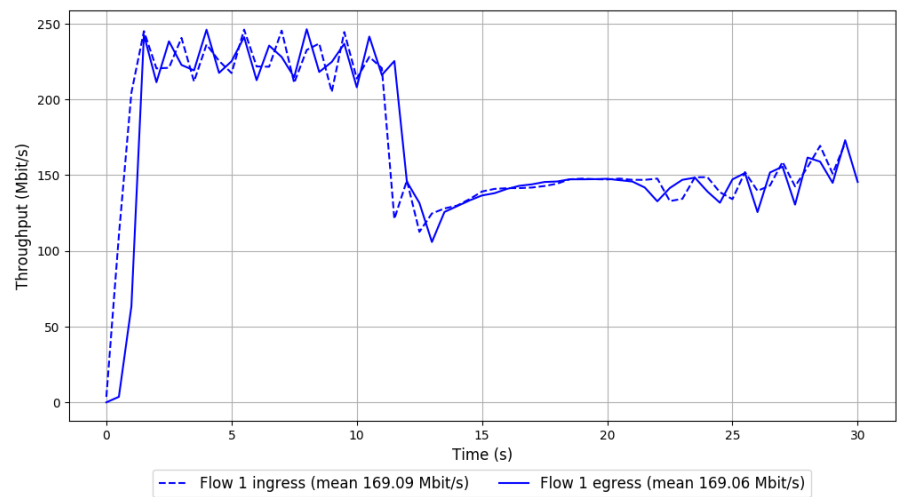
-- Flow 1:

Average throughput: 169.06 Mbit/s

95th percentile per-packet one-way delay: 61.785 ms

Loss rate: 0.36%

Run 6: Report of TCP Cubic — Data Link

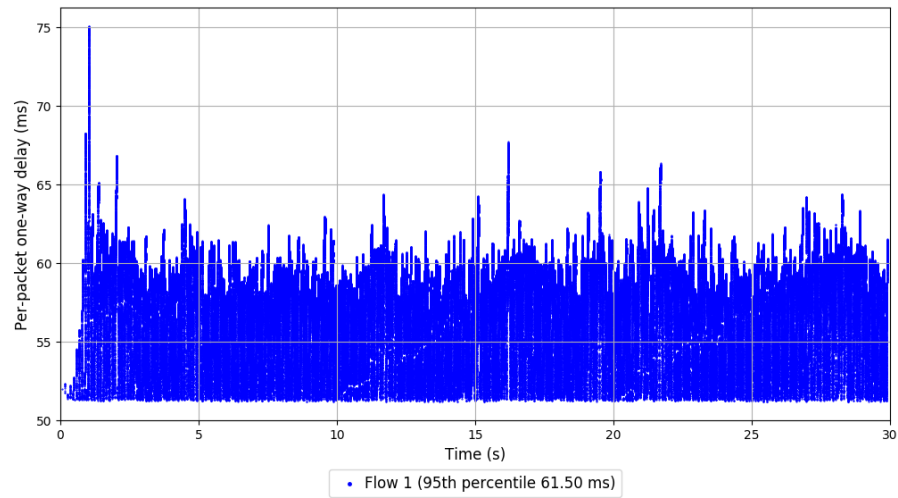
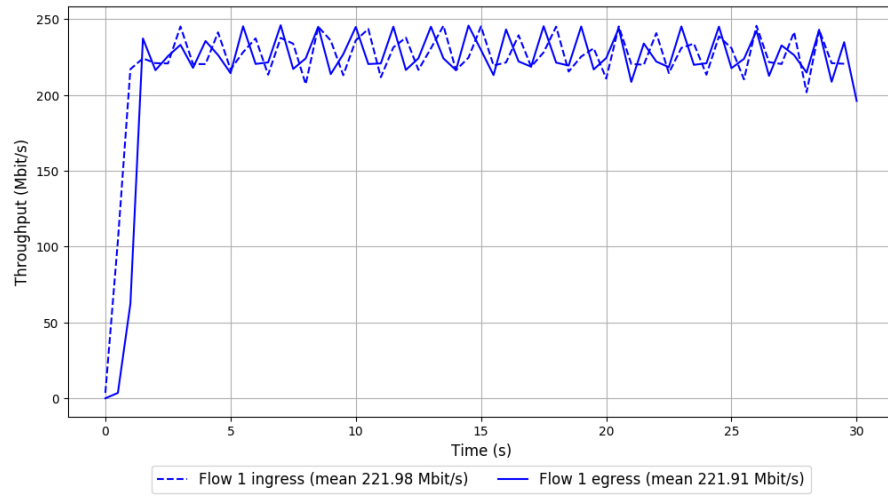


Run 7: Statistics of TCP Cubic

Start at: 2018-07-27 04:41:02
End at: 2018-07-27 04:41:32
Local clock offset: -0.216 ms
Remote clock offset: -1.478 ms

Below is generated by plot.py at 2018-07-27 06:20:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.91 Mbit/s
95th percentile per-packet one-way delay: 61.496 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 221.91 Mbit/s
95th percentile per-packet one-way delay: 61.496 ms
Loss rate: 0.37%

Run 7: Report of TCP Cubic — Data Link

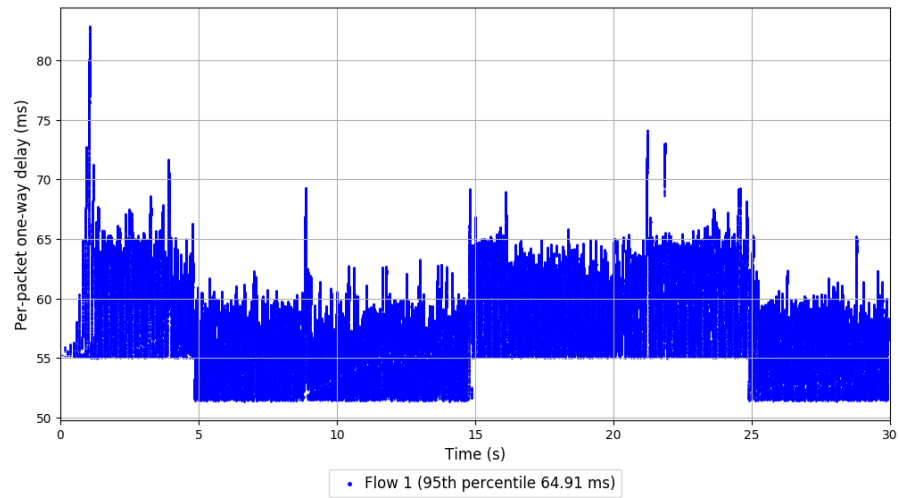
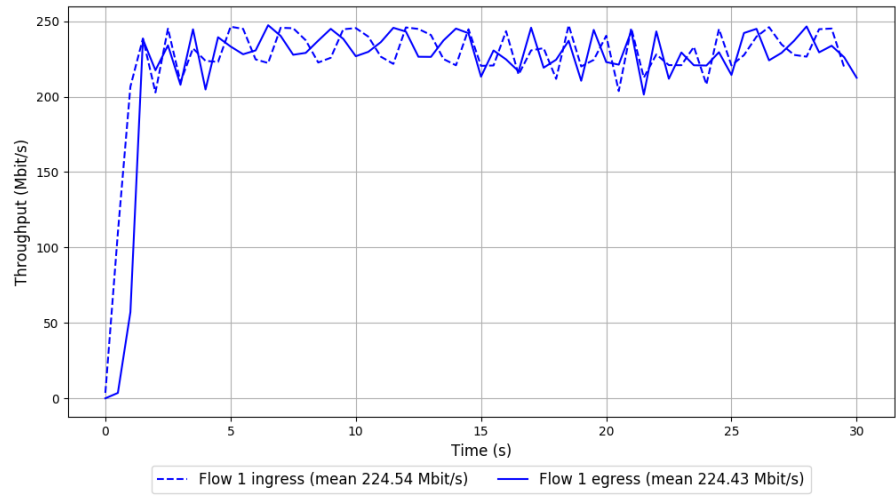


Run 8: Statistics of TCP Cubic

Start at: 2018-07-27 05:03:13
End at: 2018-07-27 05:03:43
Local clock offset: -0.022 ms
Remote clock offset: -1.436 ms

Below is generated by plot.py at 2018-07-27 06:21:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 224.43 Mbit/s
95th percentile per-packet one-way delay: 64.907 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 224.43 Mbit/s
95th percentile per-packet one-way delay: 64.907 ms
Loss rate: 0.39%

Run 8: Report of TCP Cubic — Data Link

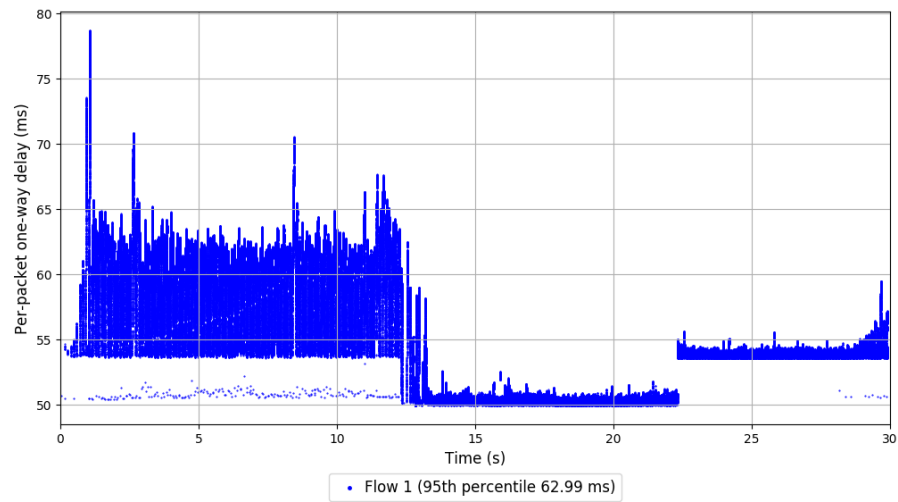
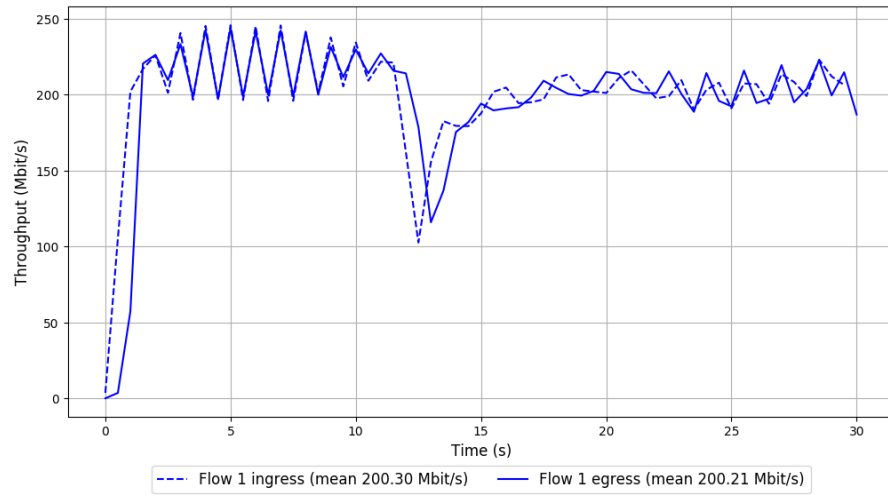


Run 9: Statistics of TCP Cubic

Start at: 2018-07-27 05:24:55
End at: 2018-07-27 05:25:25
Local clock offset: 0.03 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-27 06:21:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 200.21 Mbit/s
95th percentile per-packet one-way delay: 62.992 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 200.21 Mbit/s
95th percentile per-packet one-way delay: 62.992 ms
Loss rate: 0.39%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-27 05:46:33

End at: 2018-07-27 05:47:03

Local clock offset: -0.047 ms

Remote clock offset: -1.377 ms

Below is generated by plot.py at 2018-07-27 06:21:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 196.97 Mbit/s

95th percentile per-packet one-way delay: 65.725 ms

Loss rate: 0.25%

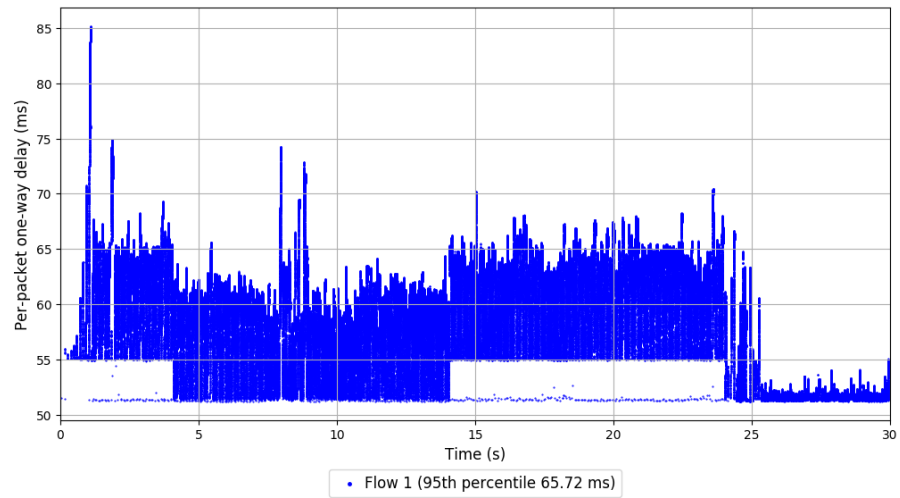
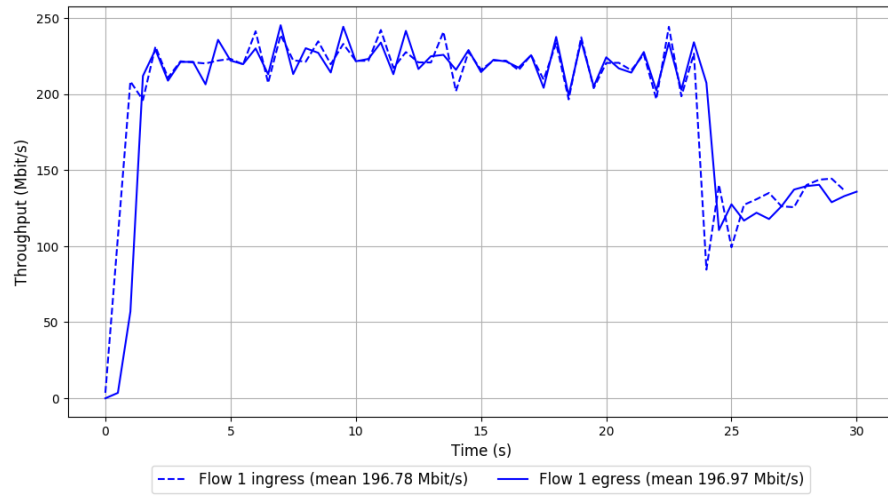
-- Flow 1:

Average throughput: 196.97 Mbit/s

95th percentile per-packet one-way delay: 65.725 ms

Loss rate: 0.25%

Run 10: Report of TCP Cubic — Data Link

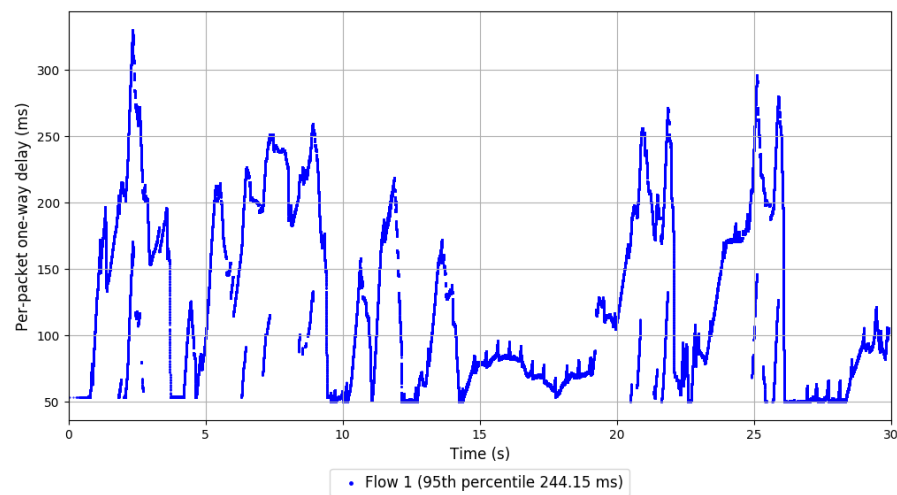
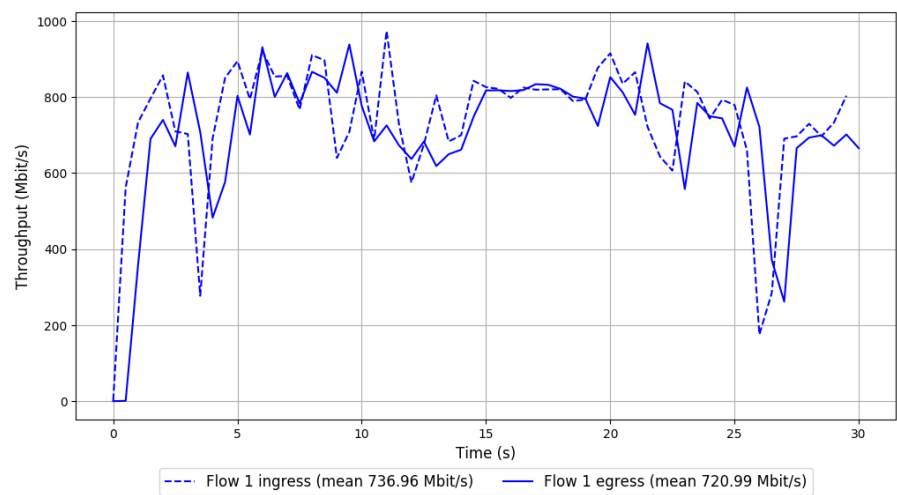


Run 1: Statistics of FillP

Start at: 2018-07-27 02:15:48
End at: 2018-07-27 02:16:18
Local clock offset: 0.012 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-07-27 06:37:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 720.99 Mbit/s
95th percentile per-packet one-way delay: 244.145 ms
Loss rate: 2.52%
-- Flow 1:
Average throughput: 720.99 Mbit/s
95th percentile per-packet one-way delay: 244.145 ms
Loss rate: 2.52%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-27 02:37:34

End at: 2018-07-27 02:38:04

Local clock offset: -0.172 ms

Remote clock offset: -0.0 ms

Below is generated by plot.py at 2018-07-27 06:37:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 688.24 Mbit/s

95th percentile per-packet one-way delay: 197.887 ms

Loss rate: 5.45%

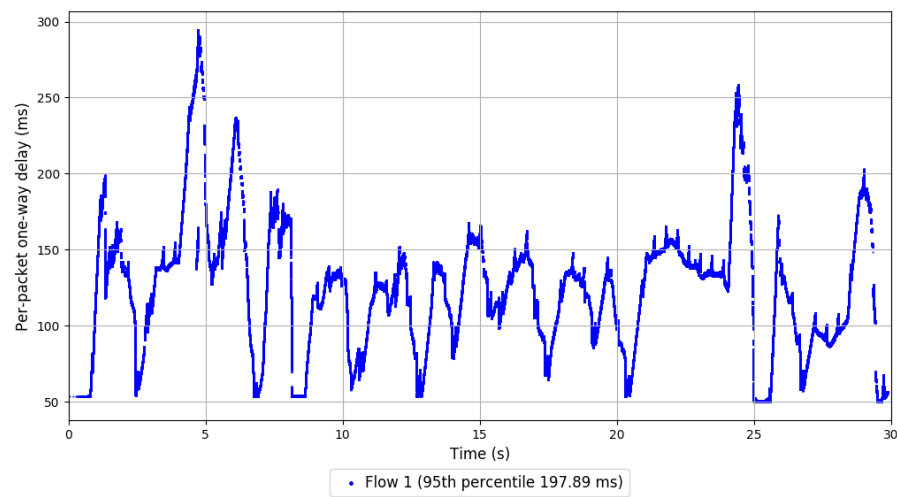
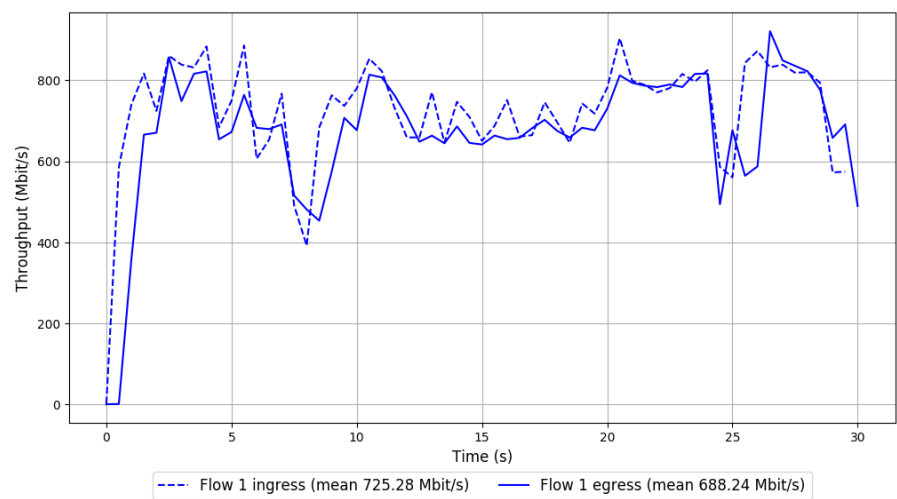
-- Flow 1:

Average throughput: 688.24 Mbit/s

95th percentile per-packet one-way delay: 197.887 ms

Loss rate: 5.45%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-27 02:59:18

End at: 2018-07-27 02:59:48

Local clock offset: -0.157 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-07-27 06:37:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 644.82 Mbit/s

95th percentile per-packet one-way delay: 285.153 ms

Loss rate: 4.59%

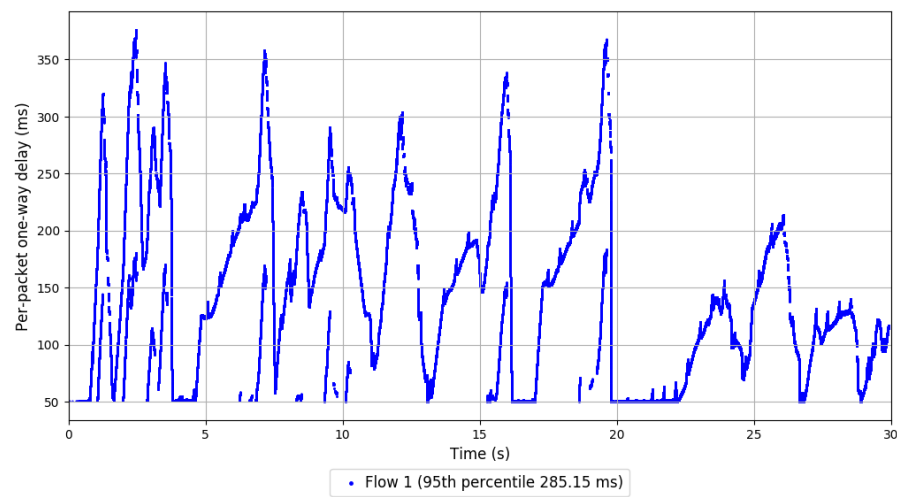
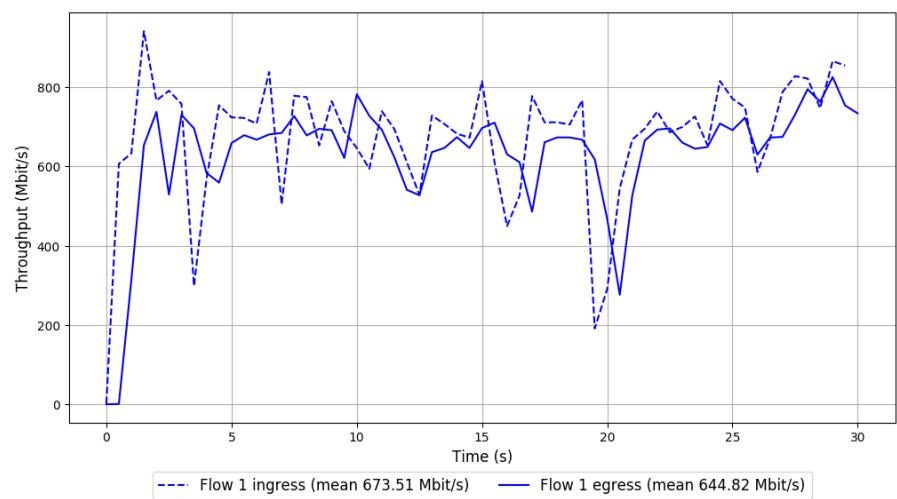
-- Flow 1:

Average throughput: 644.82 Mbit/s

95th percentile per-packet one-way delay: 285.153 ms

Loss rate: 4.59%

Run 3: Report of FillP — Data Link

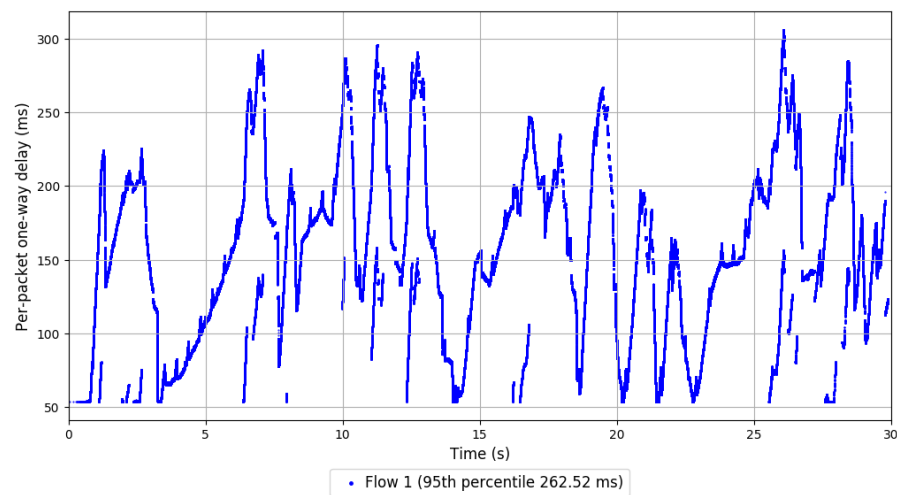
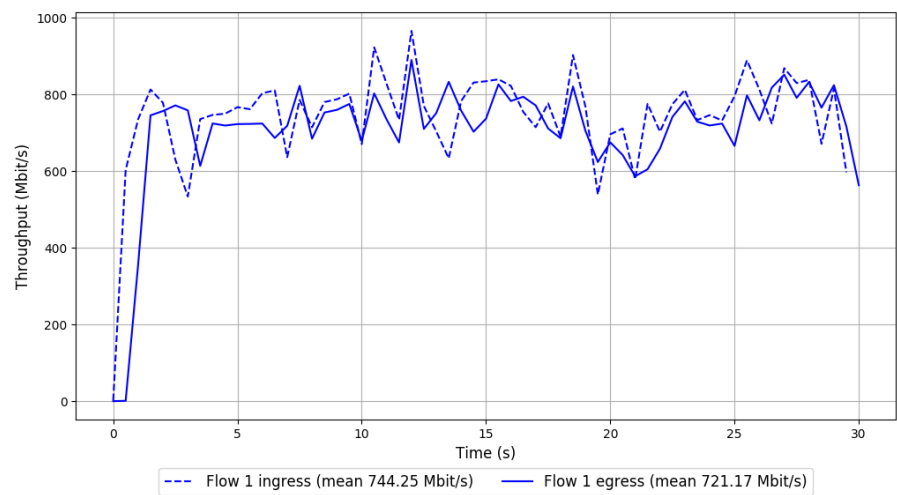


Run 4: Statistics of FillP

Start at: 2018-07-27 03:20:47
End at: 2018-07-27 03:21:17
Local clock offset: -0.22 ms
Remote clock offset: -0.314 ms

Below is generated by plot.py at 2018-07-27 06:38:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 721.17 Mbit/s
95th percentile per-packet one-way delay: 262.516 ms
Loss rate: 3.44%
-- Flow 1:
Average throughput: 721.17 Mbit/s
95th percentile per-packet one-way delay: 262.516 ms
Loss rate: 3.44%

Run 4: Report of FillP — Data Link

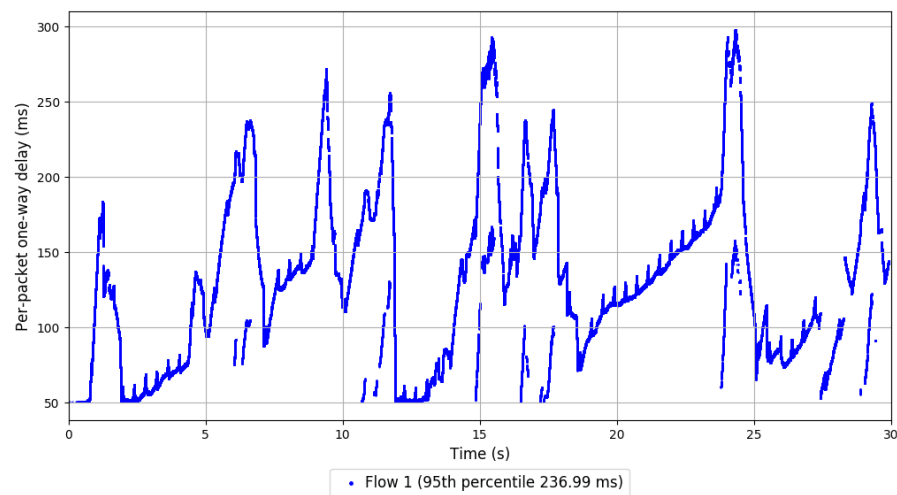
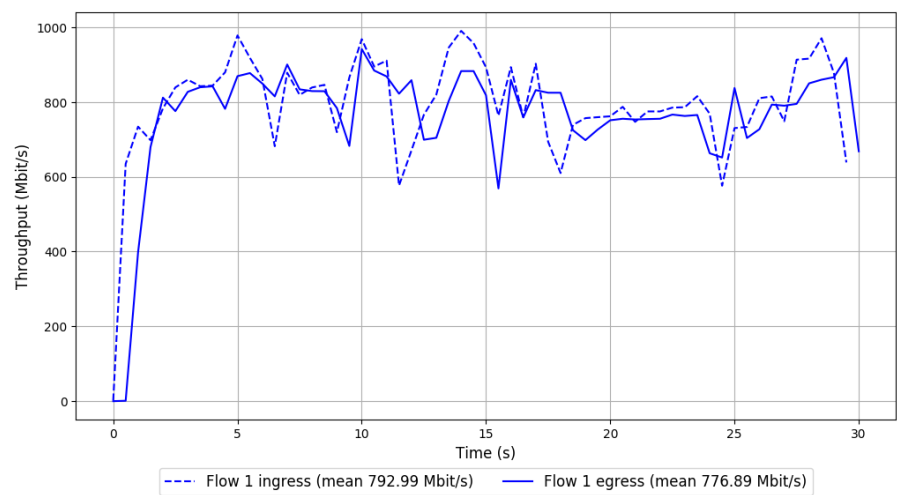


Run 5: Statistics of FillP

Start at: 2018-07-27 03:42:30
End at: 2018-07-27 03:43:00
Local clock offset: -0.034 ms
Remote clock offset: -0.199 ms

Below is generated by plot.py at 2018-07-27 06:40:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 776.89 Mbit/s
95th percentile per-packet one-way delay: 236.987 ms
Loss rate: 2.37%
-- Flow 1:
Average throughput: 776.89 Mbit/s
95th percentile per-packet one-way delay: 236.987 ms
Loss rate: 2.37%

Run 5: Report of FillP — Data Link

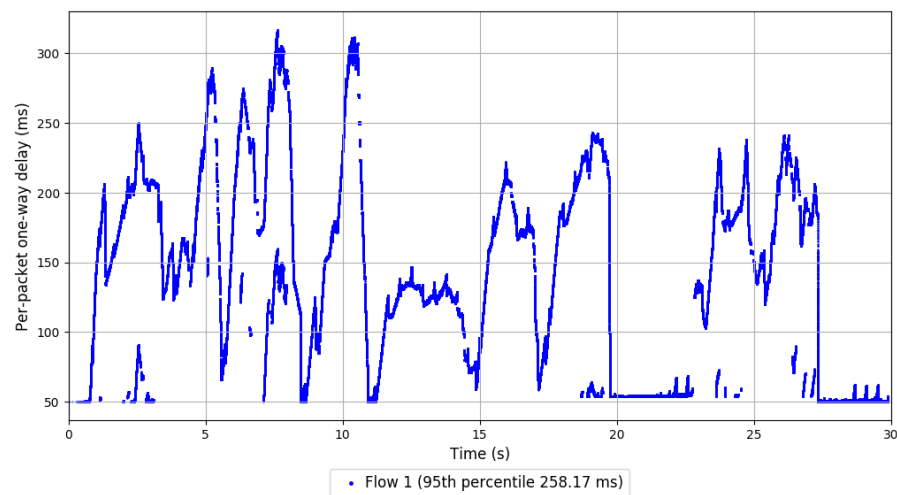
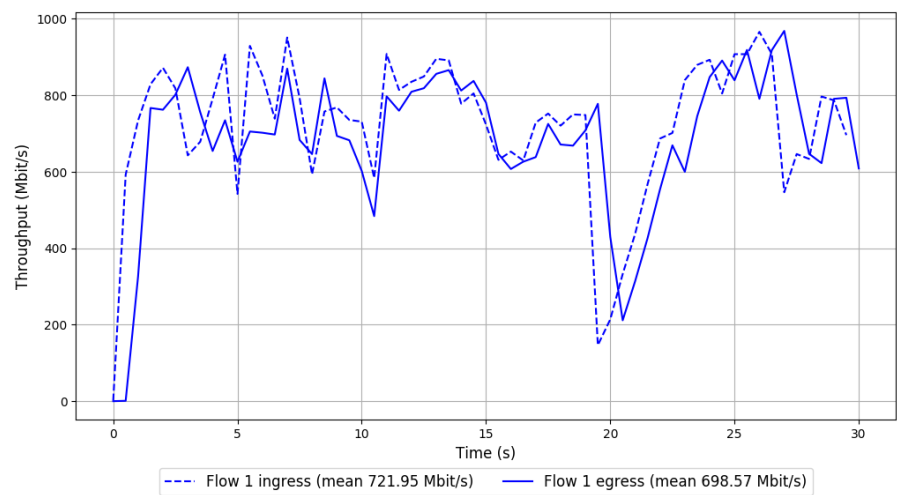


Run 6: Statistics of FillP

Start at: 2018-07-27 04:04:00
End at: 2018-07-27 04:04:30
Local clock offset: 0.118 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-27 06:40:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 698.57 Mbit/s
95th percentile per-packet one-way delay: 258.172 ms
Loss rate: 3.57%
-- Flow 1:
Average throughput: 698.57 Mbit/s
95th percentile per-packet one-way delay: 258.172 ms
Loss rate: 3.57%

Run 6: Report of FillP — Data Link

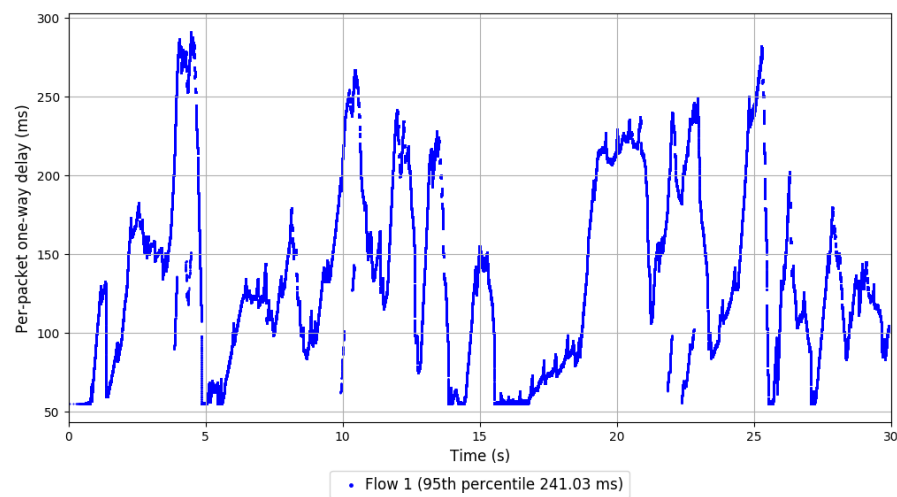
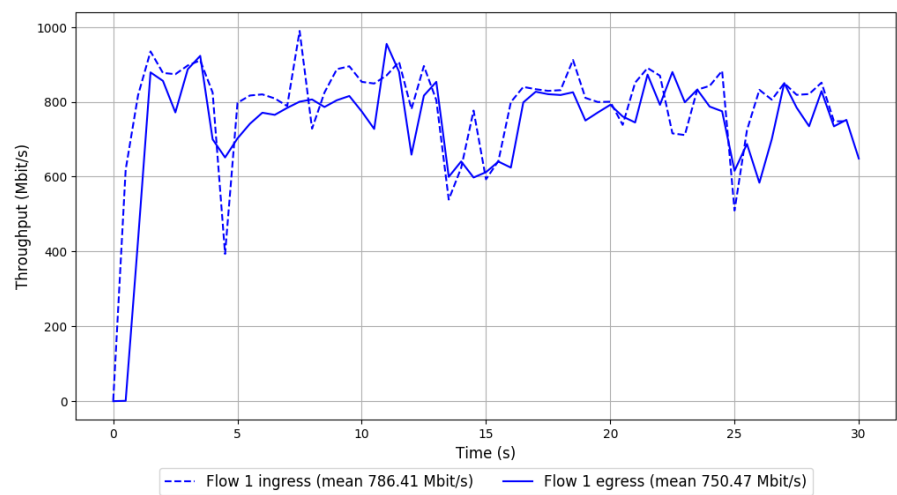


Run 7: Statistics of FillP

Start at: 2018-07-27 04:25:34
End at: 2018-07-27 04:26:04
Local clock offset: 0.229 ms
Remote clock offset: -1.312 ms

Below is generated by plot.py at 2018-07-27 06:41:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 750.47 Mbit/s
95th percentile per-packet one-way delay: 241.029 ms
Loss rate: 4.91%
-- Flow 1:
Average throughput: 750.47 Mbit/s
95th percentile per-packet one-way delay: 241.029 ms
Loss rate: 4.91%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-27 04:47:45

End at: 2018-07-27 04:48:15

Local clock offset: -0.168 ms

Remote clock offset: -0.4 ms

Below is generated by plot.py at 2018-07-27 06:41:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 711.77 Mbit/s

95th percentile per-packet one-way delay: 253.130 ms

Loss rate: 3.47%

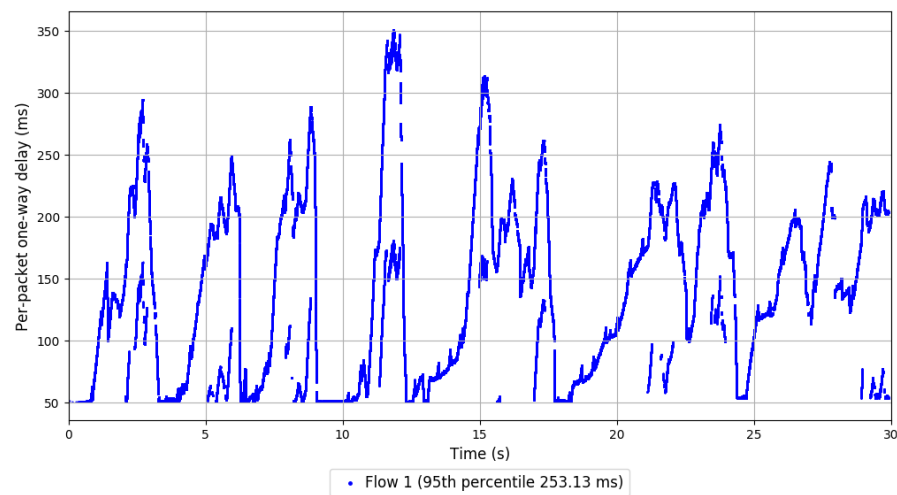
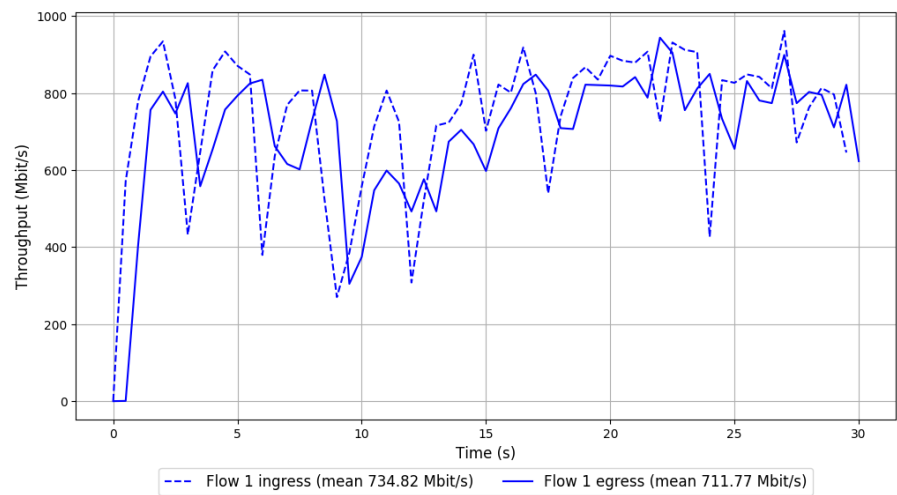
-- Flow 1:

Average throughput: 711.77 Mbit/s

95th percentile per-packet one-way delay: 253.130 ms

Loss rate: 3.47%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-27 05:09:38

End at: 2018-07-27 05:10:09

Local clock offset: 0.132 ms

Remote clock offset: 1.363 ms

Below is generated by plot.py at 2018-07-27 06:55:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 718.45 Mbit/s

95th percentile per-packet one-way delay: 254.837 ms

Loss rate: 4.69%

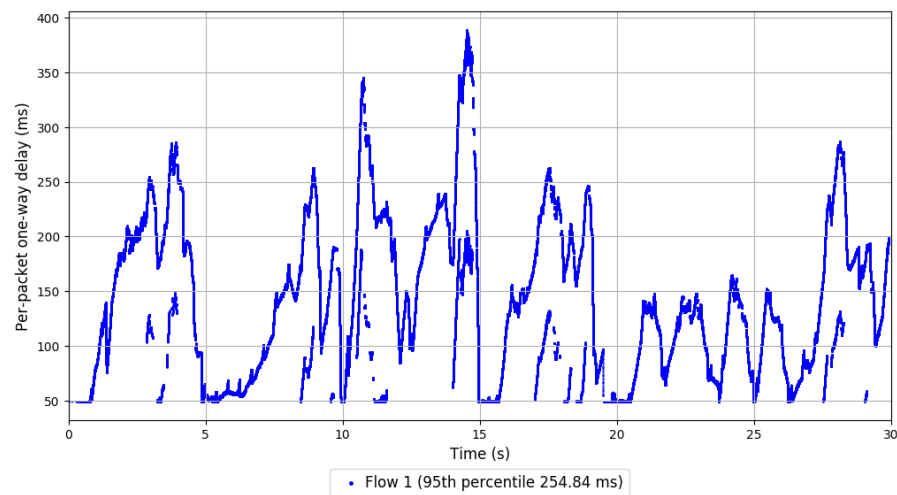
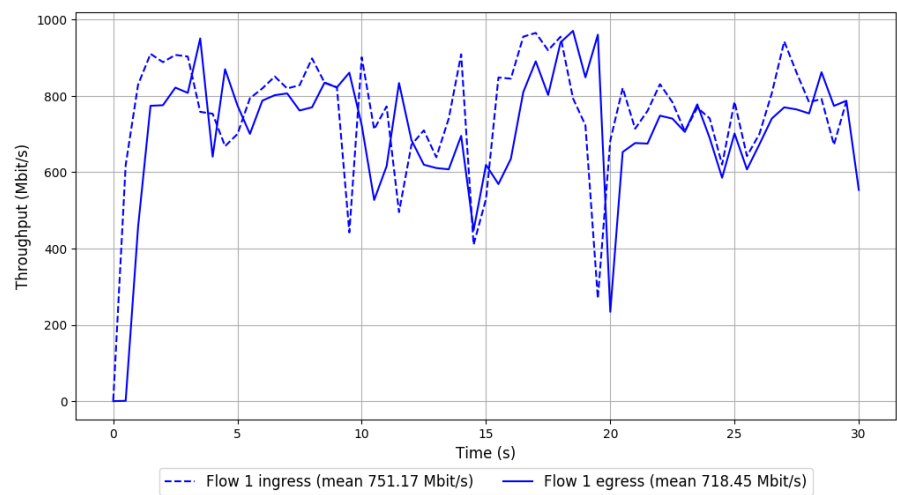
-- Flow 1:

Average throughput: 718.45 Mbit/s

95th percentile per-packet one-way delay: 254.837 ms

Loss rate: 4.69%

Run 9: Report of FillP — Data Link

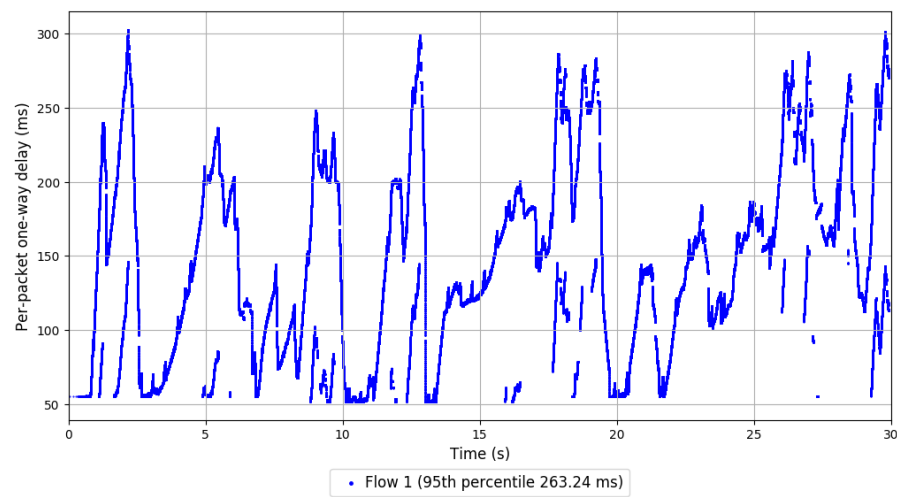
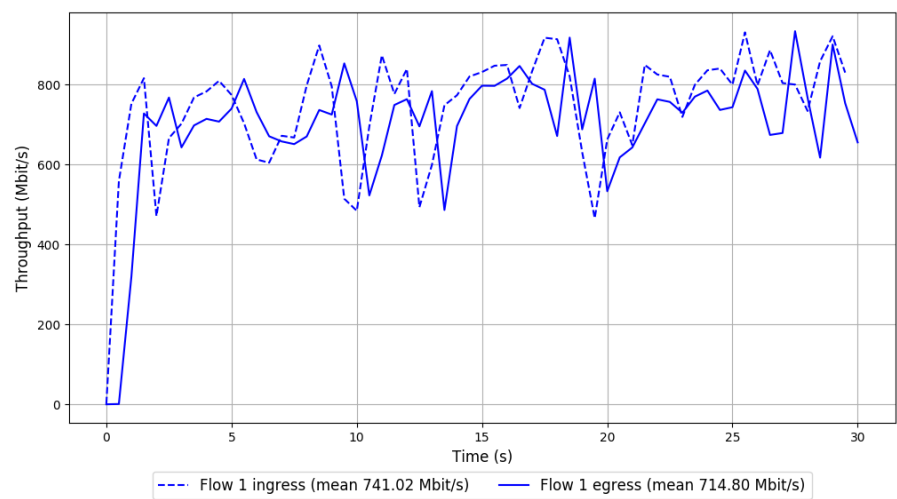


Run 10: Statistics of FillP

Start at: 2018-07-27 05:31:29
End at: 2018-07-27 05:31:59
Local clock offset: -0.008 ms
Remote clock offset: -1.387 ms

Below is generated by plot.py at 2018-07-27 06:56:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 714.80 Mbit/s
95th percentile per-packet one-way delay: 263.241 ms
Loss rate: 3.89%
-- Flow 1:
Average throughput: 714.80 Mbit/s
95th percentile per-packet one-way delay: 263.241 ms
Loss rate: 3.89%

Run 10: Report of FillP — Data Link

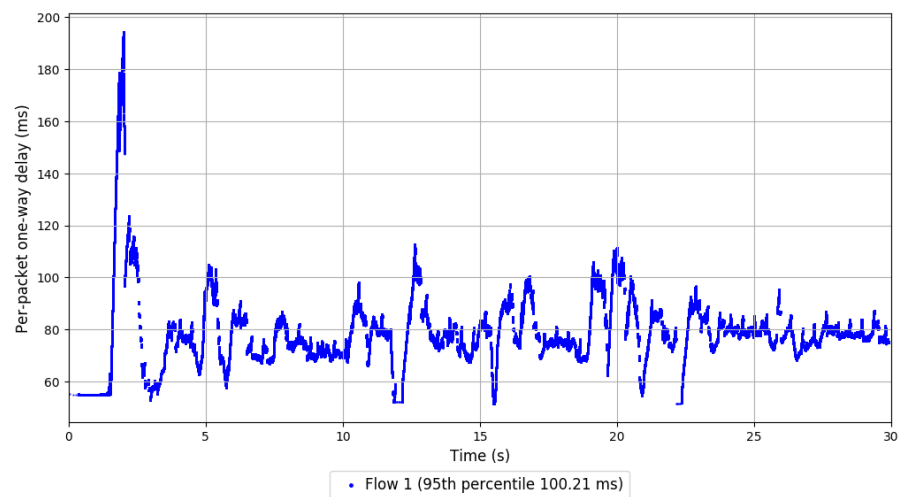
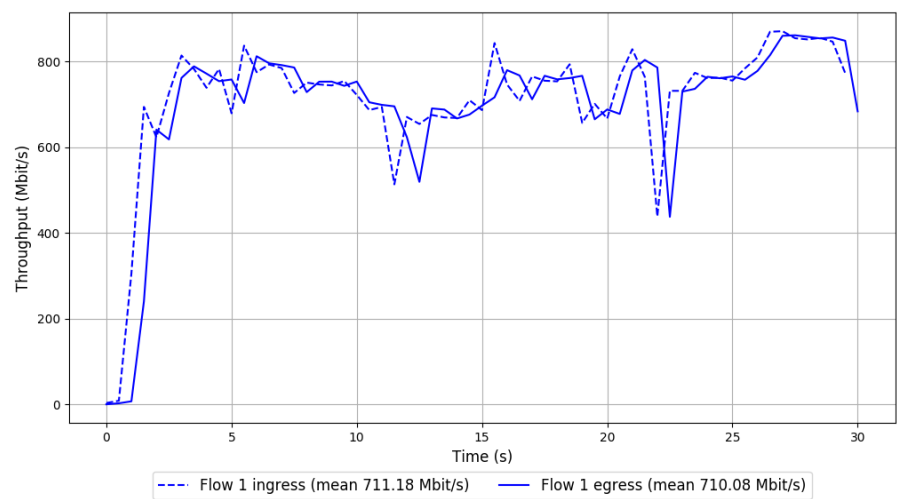


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-27 02:14:15
End at: 2018-07-27 02:14:45
Local clock offset: -0.078 ms
Remote clock offset: -1.451 ms

Below is generated by plot.py at 2018-07-27 06:56:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 710.08 Mbit/s
95th percentile per-packet one-way delay: 100.206 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 710.08 Mbit/s
95th percentile per-packet one-way delay: 100.206 ms
Loss rate: 0.51%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-27 02:36:02

End at: 2018-07-27 02:36:32

Local clock offset: 0.092 ms

Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-07-27 06:57:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 728.17 Mbit/s

95th percentile per-packet one-way delay: 112.589 ms

Loss rate: 0.44%

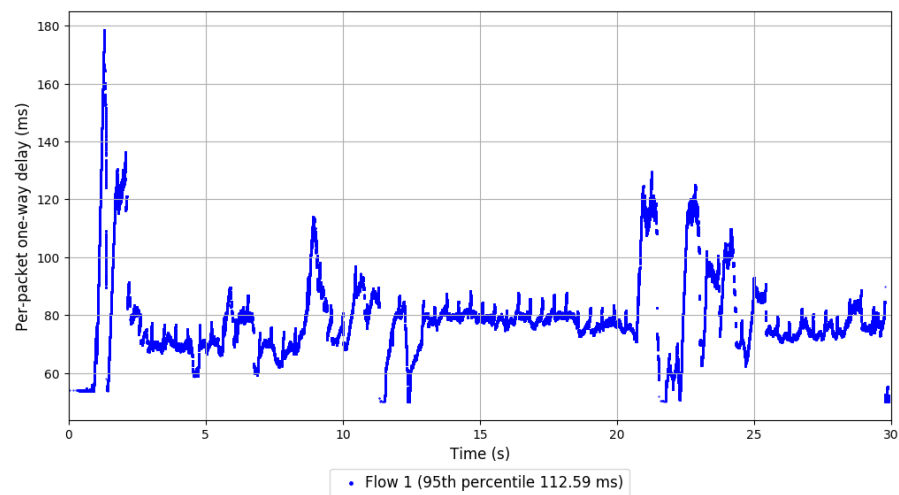
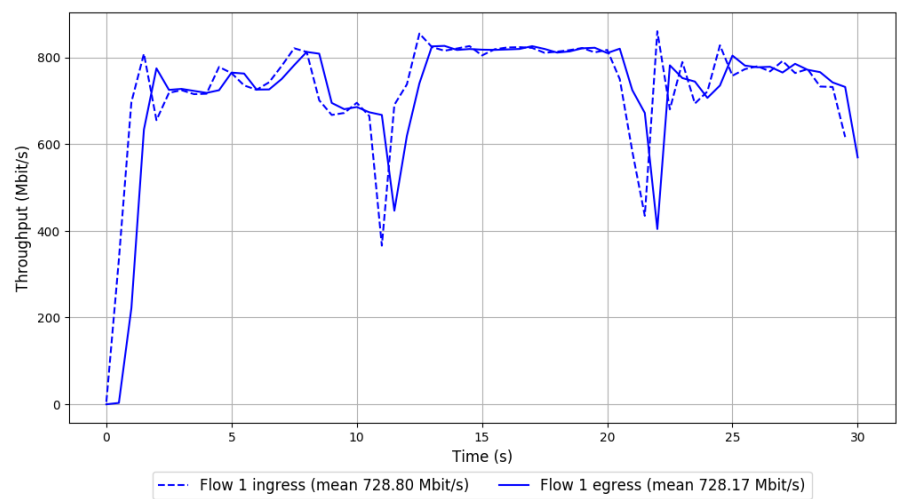
-- Flow 1:

Average throughput: 728.17 Mbit/s

95th percentile per-packet one-way delay: 112.589 ms

Loss rate: 0.44%

Run 2: Report of FillP-Sheep — Data Link

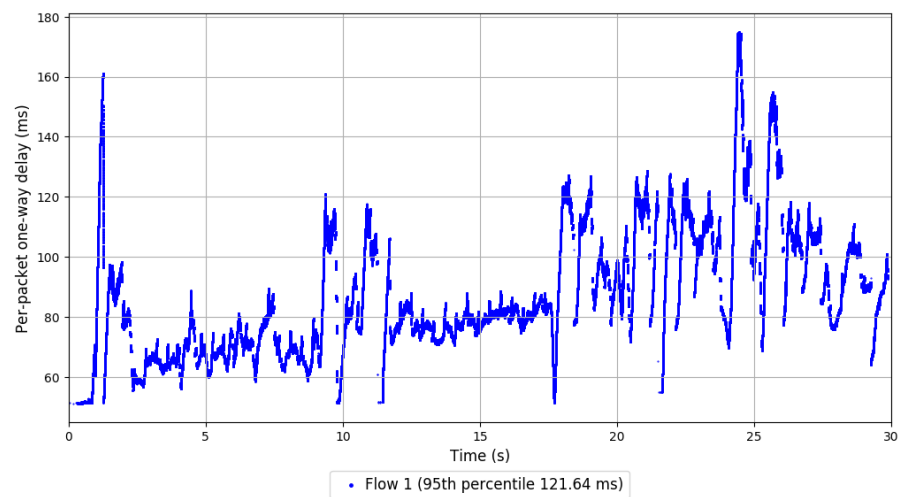
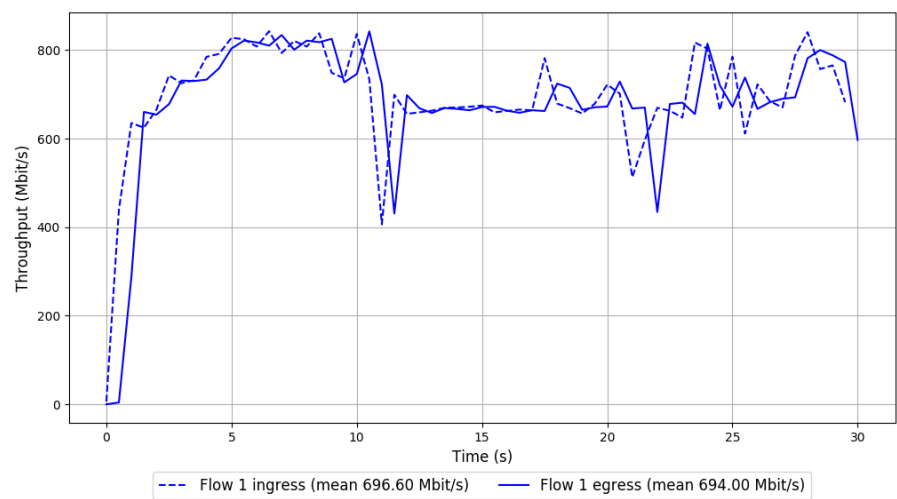


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-27 02:57:47
End at: 2018-07-27 02:58:17
Local clock offset: -0.1 ms
Remote clock offset: -1.288 ms

Below is generated by plot.py at 2018-07-27 06:57:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 694.00 Mbit/s
95th percentile per-packet one-way delay: 121.645 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 694.00 Mbit/s
95th percentile per-packet one-way delay: 121.645 ms
Loss rate: 0.72%

Run 3: Report of FillP-Sheep — Data Link

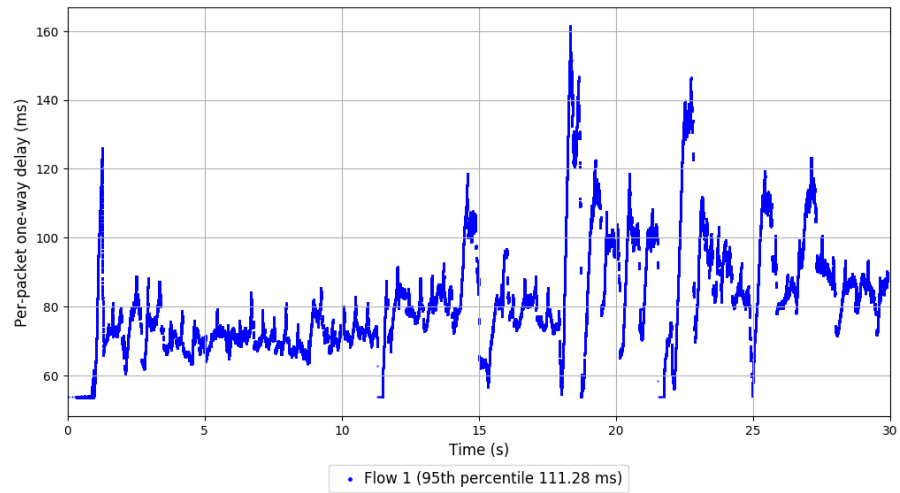
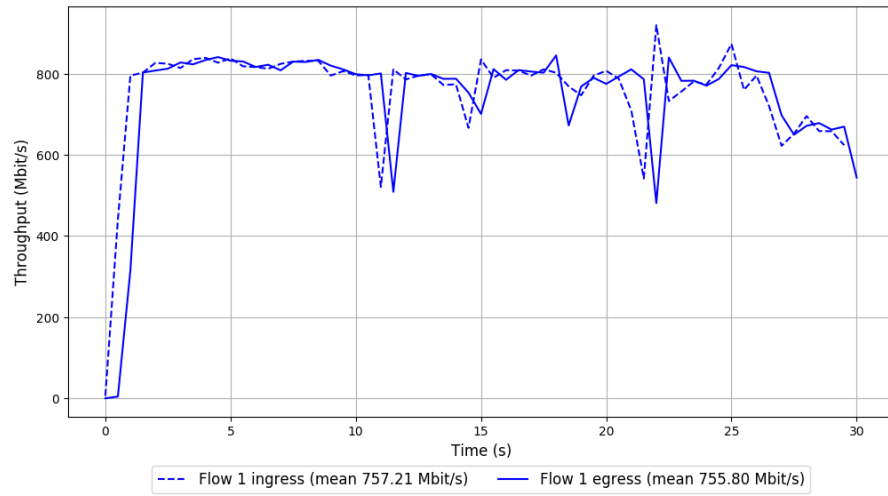


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-27 03:19:13
End at: 2018-07-27 03:19:43
Local clock offset: 0.066 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-27 06:59:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 755.80 Mbit/s
95th percentile per-packet one-way delay: 111.282 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 755.80 Mbit/s
95th percentile per-packet one-way delay: 111.282 ms
Loss rate: 0.51%

Run 4: Report of FillP-Sheep — Data Link

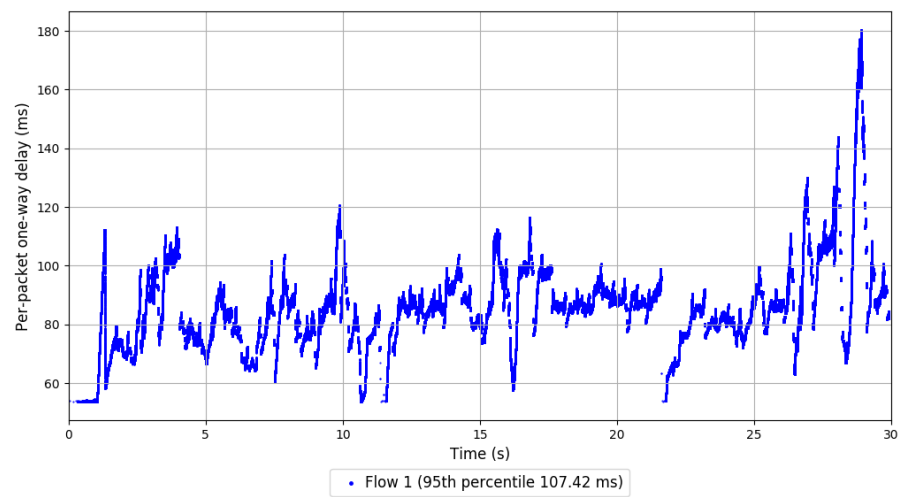
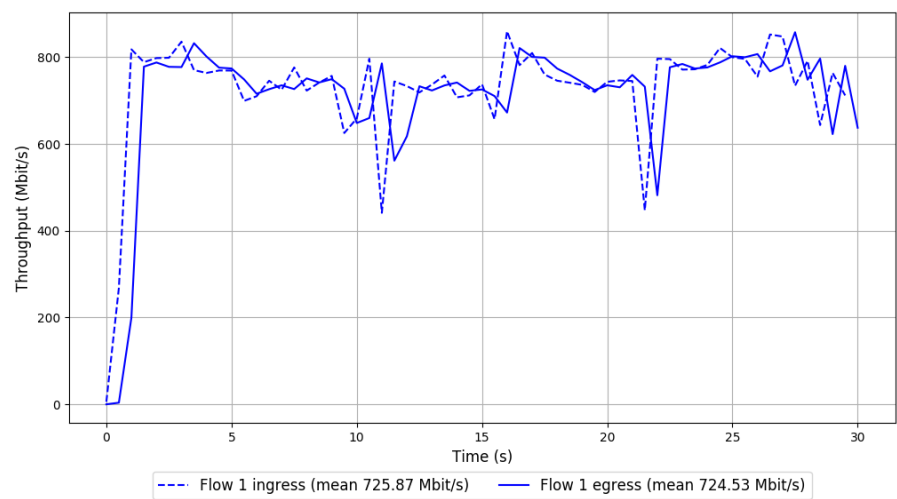


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-27 03:40:57
End at: 2018-07-27 03:41:27
Local clock offset: -0.125 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-07-27 06:59:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 724.53 Mbit/s
95th percentile per-packet one-way delay: 107.417 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 724.53 Mbit/s
95th percentile per-packet one-way delay: 107.417 ms
Loss rate: 0.54%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-27 04:02:27

End at: 2018-07-27 04:02:57

Local clock offset: 0.022 ms

Remote clock offset: 1.297 ms

Below is generated by plot.py at 2018-07-27 07:00:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 734.53 Mbit/s

95th percentile per-packet one-way delay: 105.126 ms

Loss rate: 0.60%

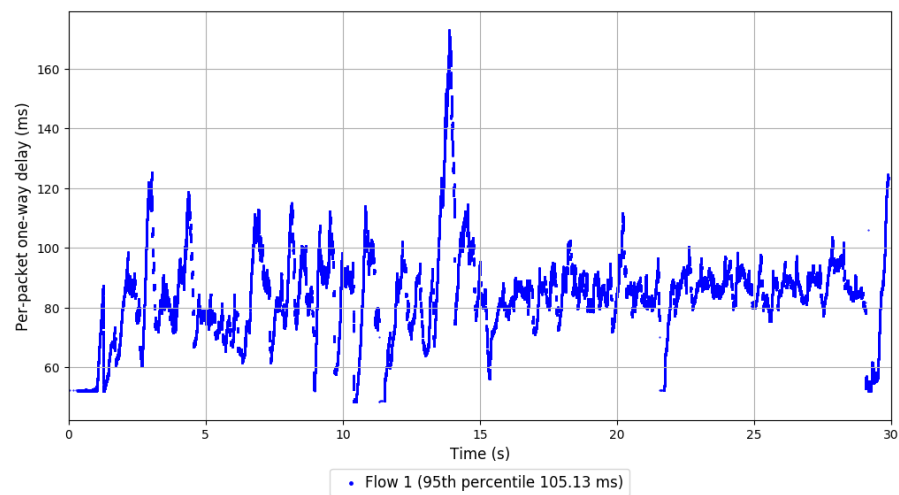
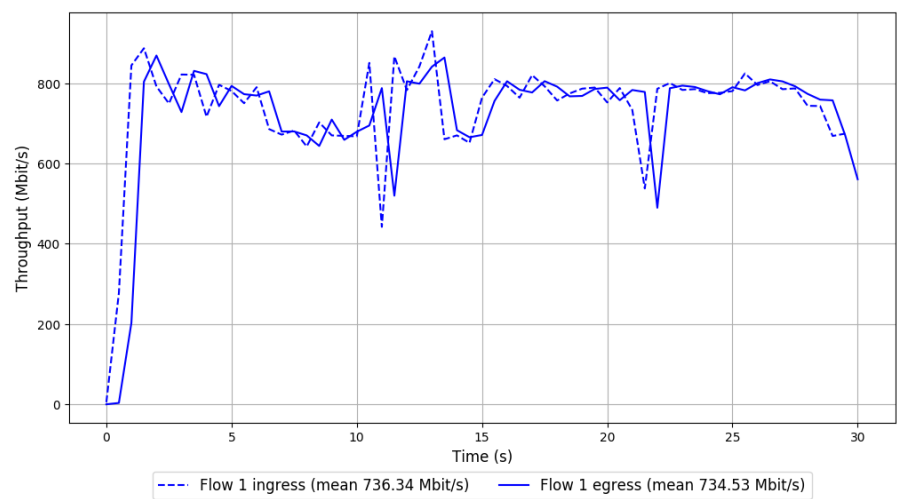
-- Flow 1:

Average throughput: 734.53 Mbit/s

95th percentile per-packet one-way delay: 105.126 ms

Loss rate: 0.60%

Run 6: Report of FillP-Sheep — Data Link

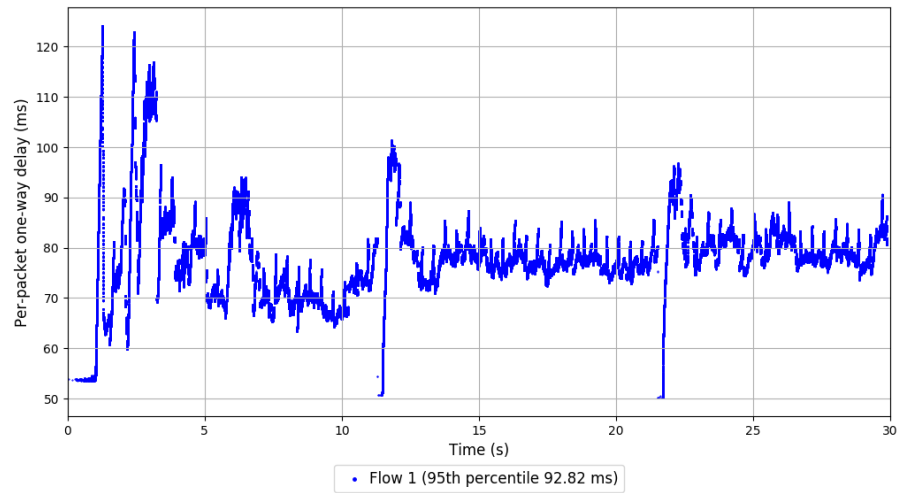
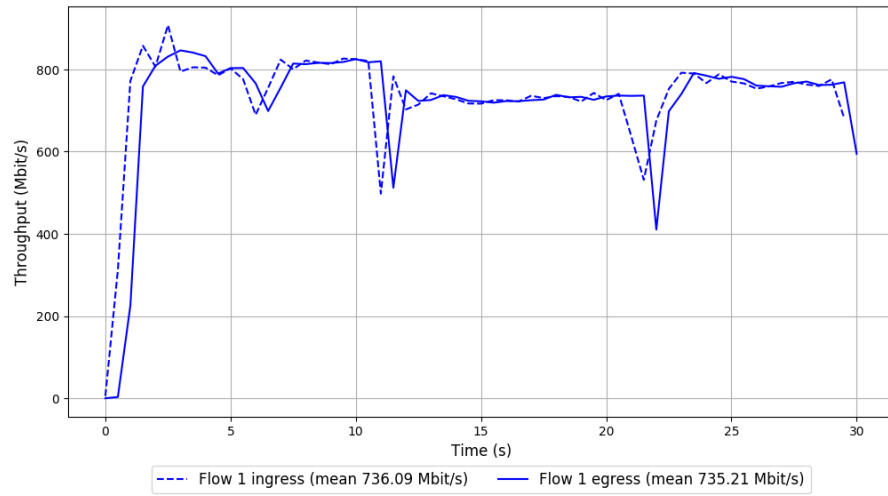


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-27 04:24:00
End at: 2018-07-27 04:24:30
Local clock offset: -0.012 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-07-27 07:15:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 735.21 Mbit/s
95th percentile per-packet one-way delay: 92.822 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 735.21 Mbit/s
95th percentile per-packet one-way delay: 92.822 ms
Loss rate: 0.48%

Run 7: Report of FillP-Sheep — Data Link

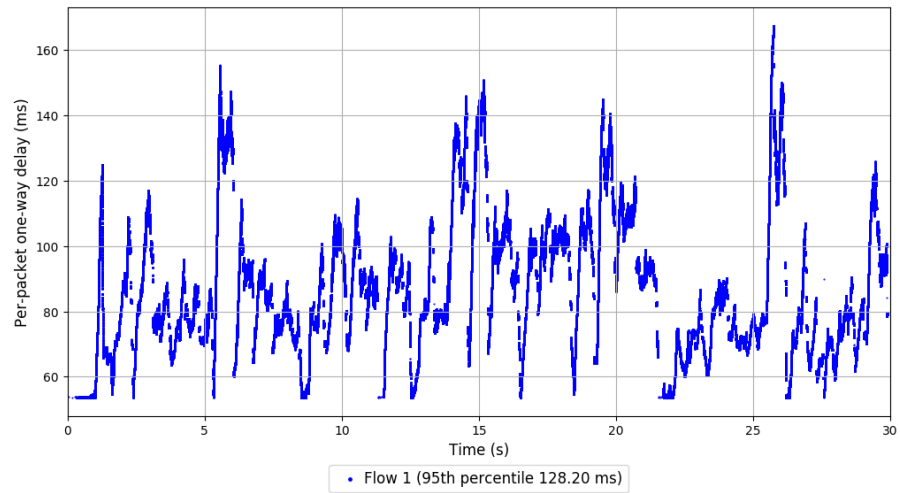
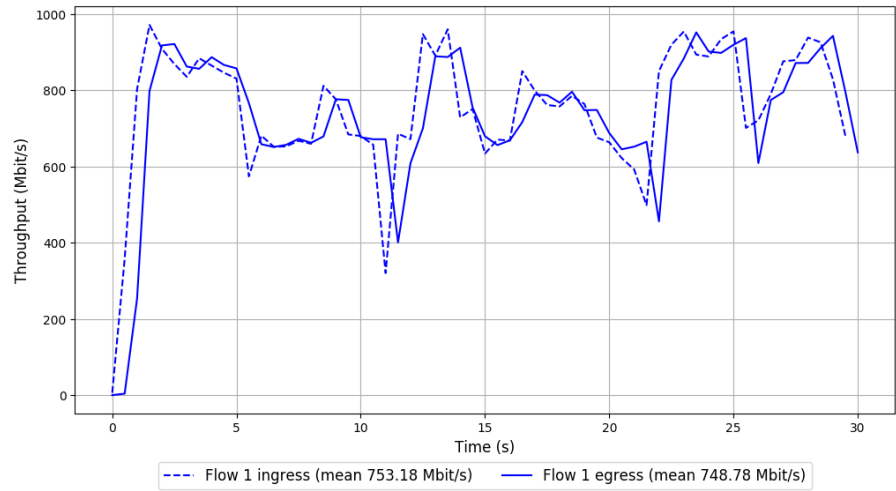


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-27 04:46:11
End at: 2018-07-27 04:46:41
Local clock offset: -0.21 ms
Remote clock offset: -0.196 ms

Below is generated by plot.py at 2018-07-27 07:15:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 748.78 Mbit/s
95th percentile per-packet one-way delay: 128.199 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 748.78 Mbit/s
95th percentile per-packet one-way delay: 128.199 ms
Loss rate: 0.94%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-27 05:08:03

End at: 2018-07-27 05:08:33

Local clock offset: -0.185 ms

Remote clock offset: 0.121 ms

Below is generated by plot.py at 2018-07-27 07:17:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 777.65 Mbit/s

95th percentile per-packet one-way delay: 123.666 ms

Loss rate: 0.68%

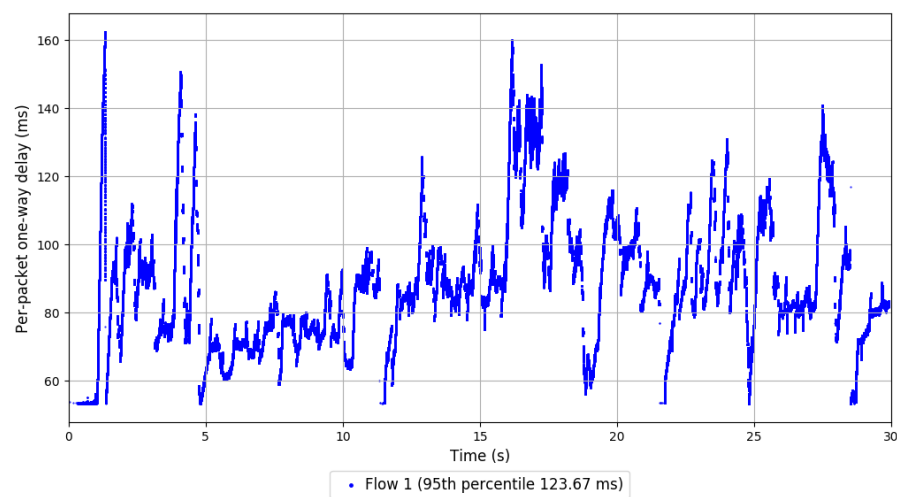
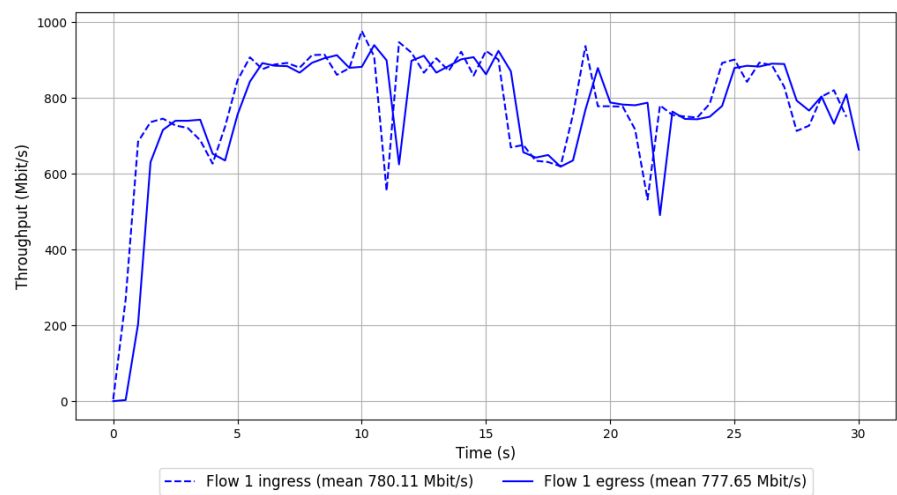
-- Flow 1:

Average throughput: 777.65 Mbit/s

95th percentile per-packet one-way delay: 123.666 ms

Loss rate: 0.68%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-27 05:29:55

End at: 2018-07-27 05:30:25

Local clock offset: 0.026 ms

Remote clock offset: 1.493 ms

Below is generated by plot.py at 2018-07-27 07:17:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 727.39 Mbit/s

95th percentile per-packet one-way delay: 124.717 ms

Loss rate: 1.00%

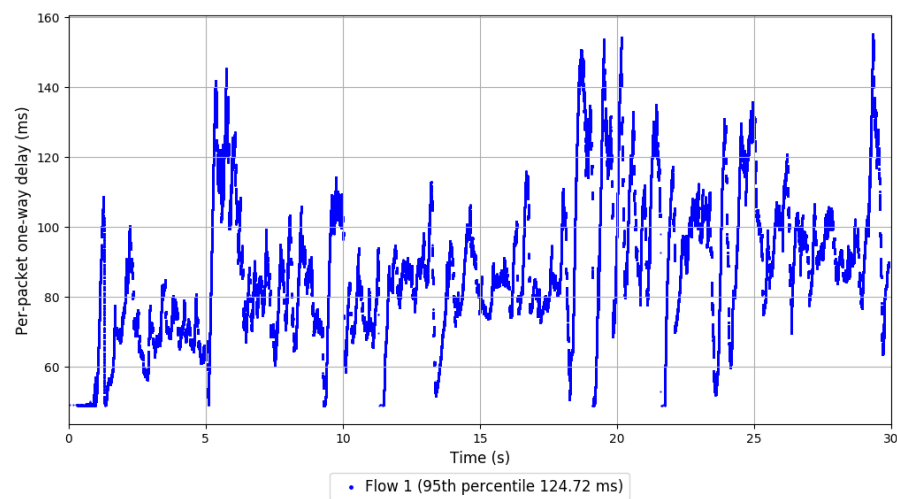
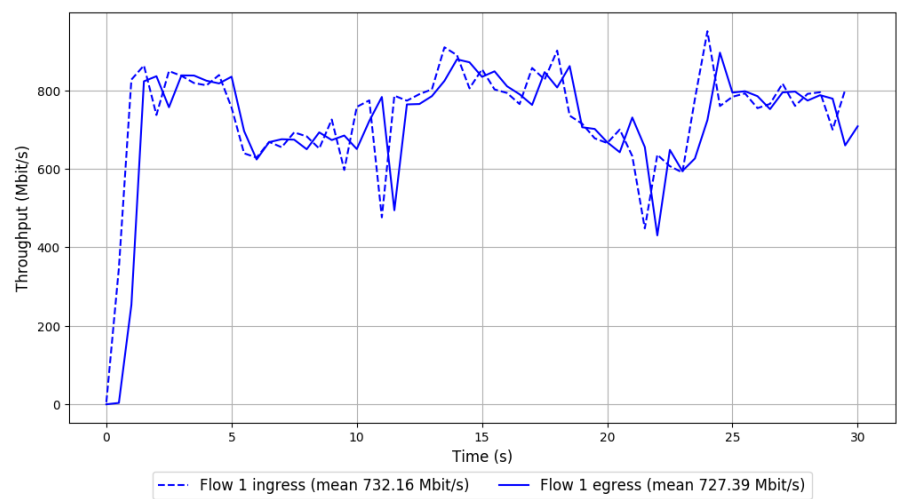
-- Flow 1:

Average throughput: 727.39 Mbit/s

95th percentile per-packet one-way delay: 124.717 ms

Loss rate: 1.00%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-07-27 02:22:15

End at: 2018-07-27 02:22:45

Local clock offset: 0.026 ms

Remote clock offset: -0.134 ms

Below is generated by plot.py at 2018-07-27 07:17:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.06 Mbit/s

95th percentile per-packet one-way delay: 53.881 ms

Loss rate: 0.35%

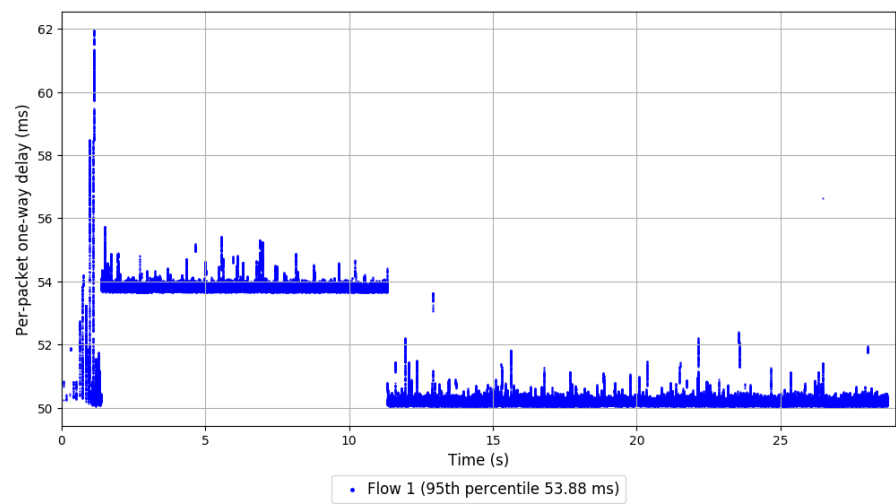
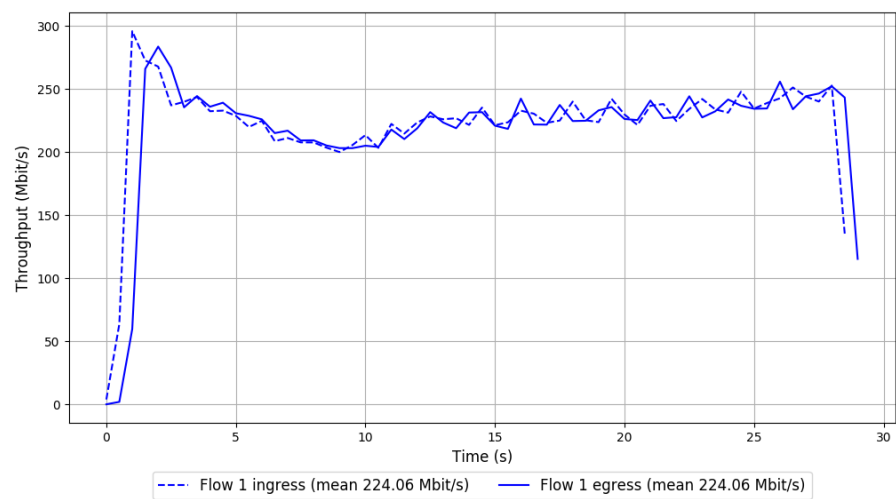
-- Flow 1:

Average throughput: 224.06 Mbit/s

95th percentile per-packet one-way delay: 53.881 ms

Loss rate: 0.35%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-27 02:44:05
End at: 2018-07-27 02:44:35
Local clock offset: -0.233 ms
Remote clock offset: -1.531 ms

Below is generated by plot.py at 2018-07-27 07:17:00

Datalink statistics

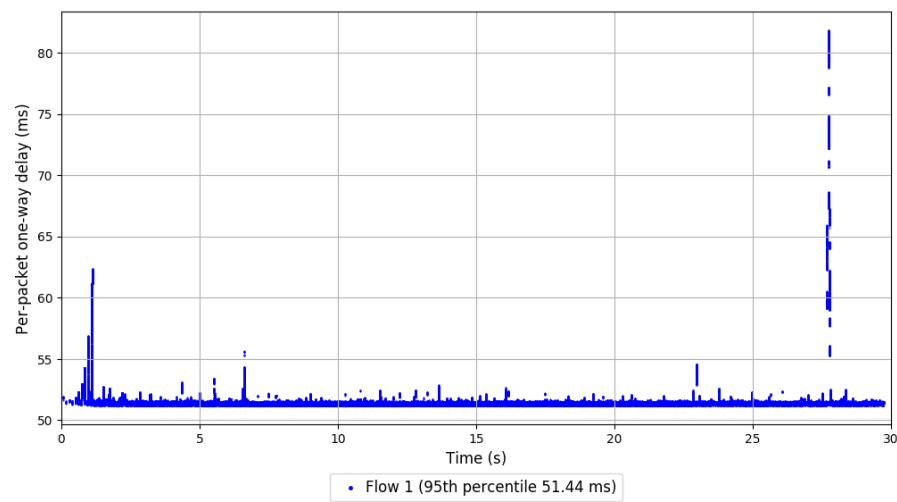
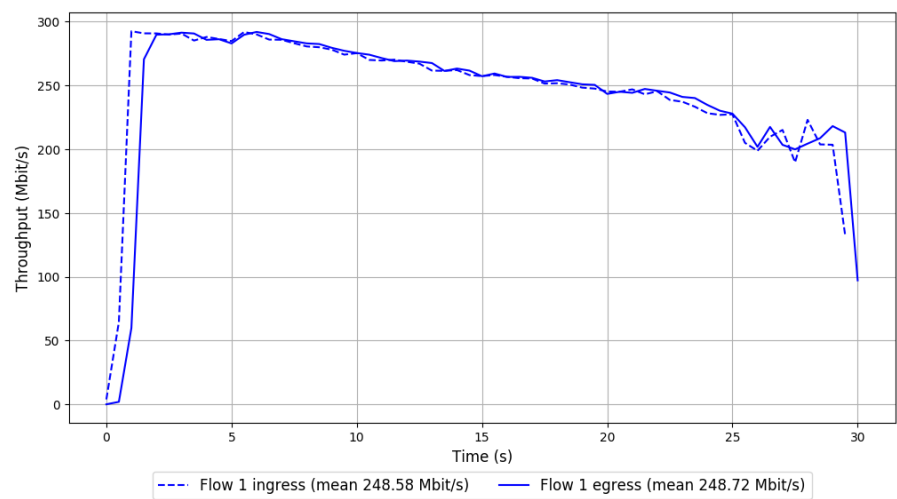
-- Total of 1 flow:

Average throughput: 248.72 Mbit/s
95th percentile per-packet one-way delay: 51.440 ms
Loss rate: 0.30%

-- Flow 1:

Average throughput: 248.72 Mbit/s
95th percentile per-packet one-way delay: 51.440 ms
Loss rate: 0.30%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-27 03:05:40

End at: 2018-07-27 03:06:10

Local clock offset: -0.089 ms

Remote clock offset: -0.32 ms

Below is generated by plot.py at 2018-07-27 07:17:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.92 Mbit/s

95th percentile per-packet one-way delay: 53.901 ms

Loss rate: 0.34%

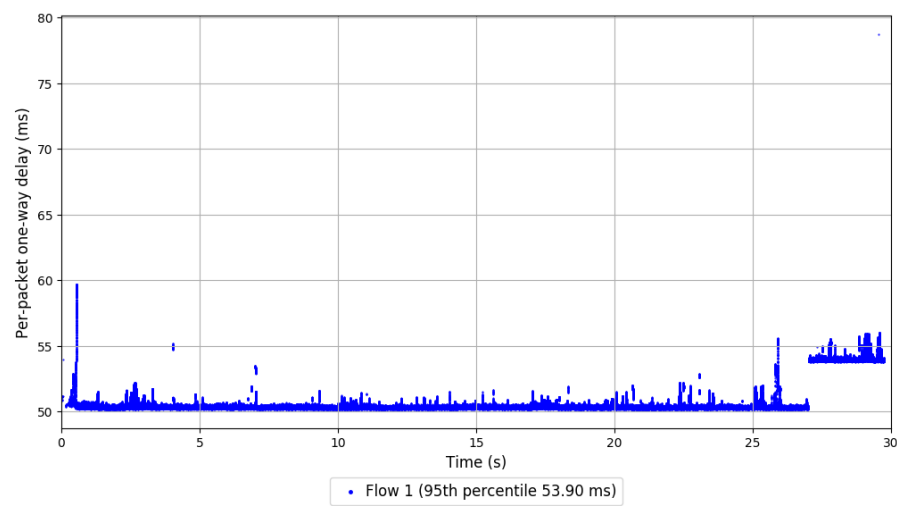
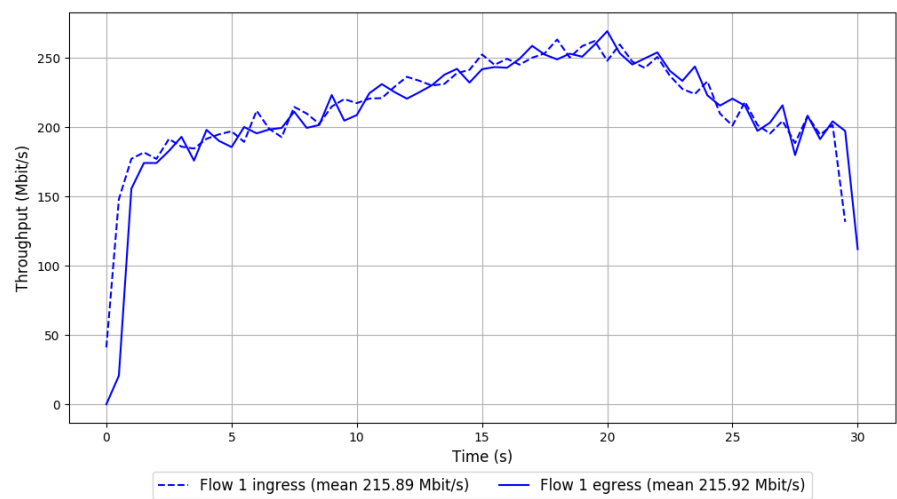
-- Flow 1:

Average throughput: 215.92 Mbit/s

95th percentile per-packet one-way delay: 53.901 ms

Loss rate: 0.34%

Run 3: Report of Indigo — Data Link

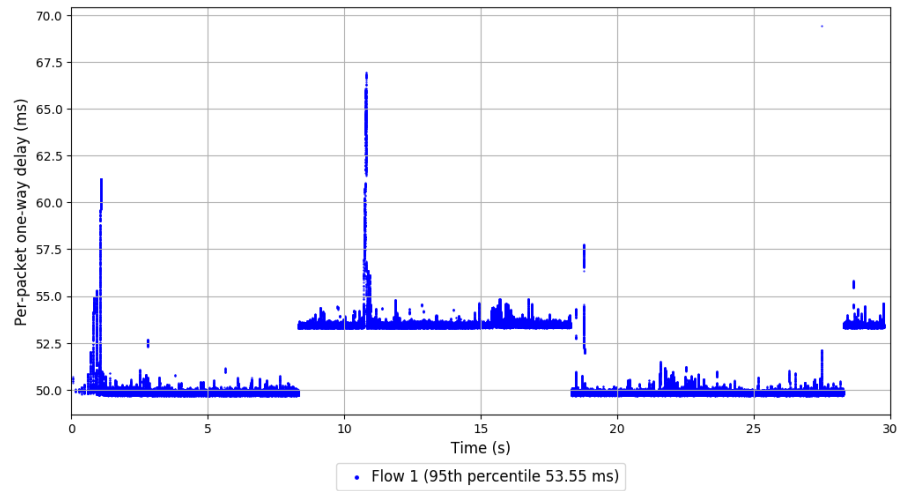
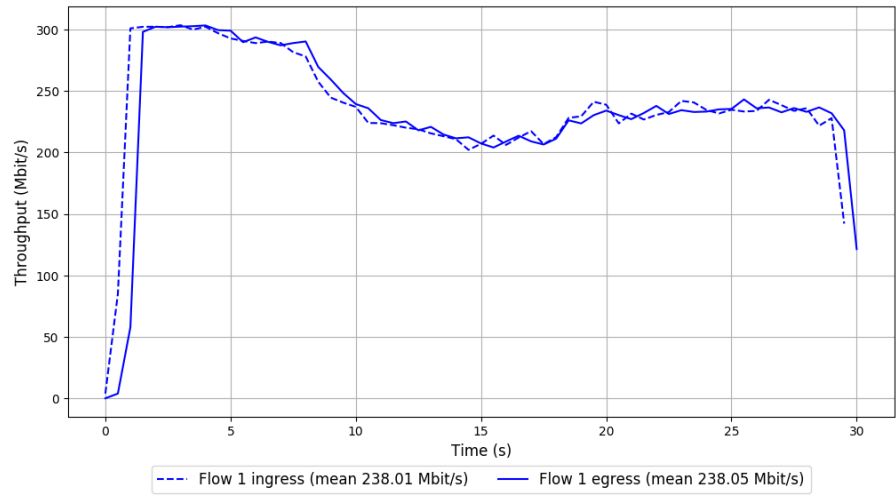


Run 4: Statistics of Indigo

Start at: 2018-07-27 03:27:09
End at: 2018-07-27 03:27:39
Local clock offset: -0.267 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-07-27 07:17:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 238.05 Mbit/s
95th percentile per-packet one-way delay: 53.545 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 238.05 Mbit/s
95th percentile per-packet one-way delay: 53.545 ms
Loss rate: 0.33%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-27 03:48:58

End at: 2018-07-27 03:49:28

Local clock offset: 0.006 ms

Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-27 07:17:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.36 Mbit/s

95th percentile per-packet one-way delay: 55.277 ms

Loss rate: 0.37%

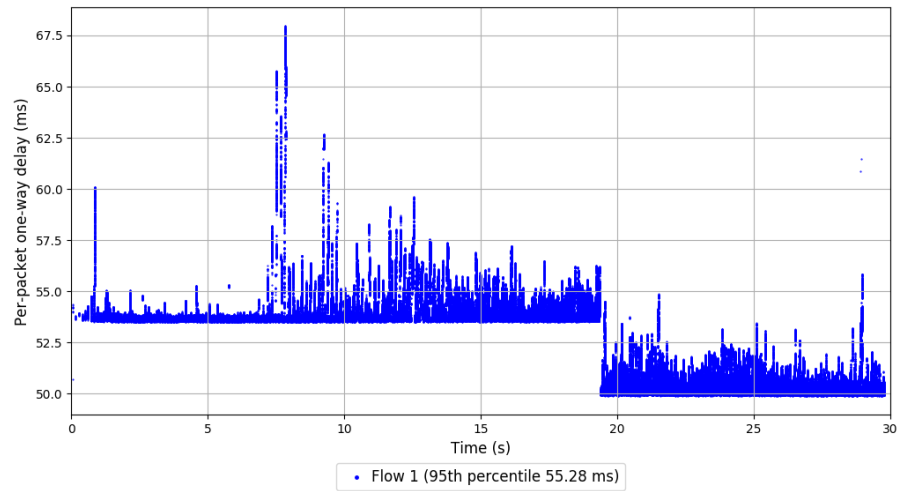
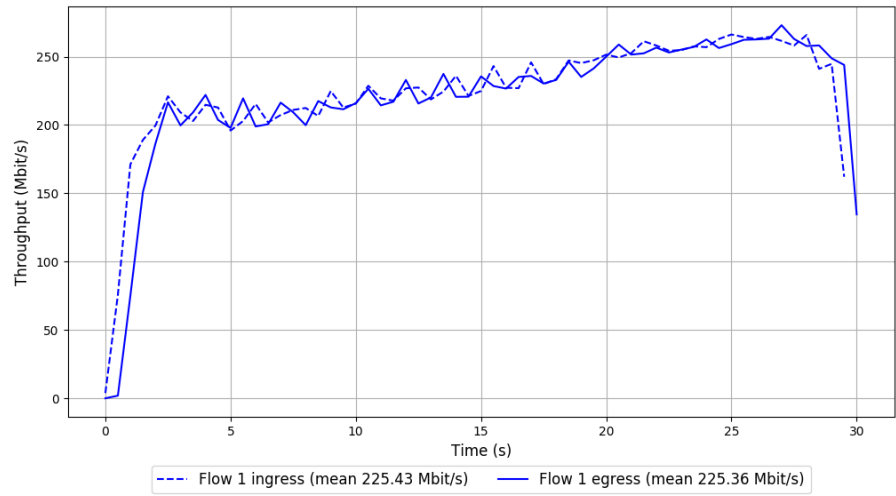
-- Flow 1:

Average throughput: 225.36 Mbit/s

95th percentile per-packet one-way delay: 55.277 ms

Loss rate: 0.37%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-27 04:10:24

End at: 2018-07-27 04:10:54

Local clock offset: 0.152 ms

Remote clock offset: 0.096 ms

Below is generated by plot.py at 2018-07-27 07:17:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 243.23 Mbit/s

95th percentile per-packet one-way delay: 53.745 ms

Loss rate: 0.35%

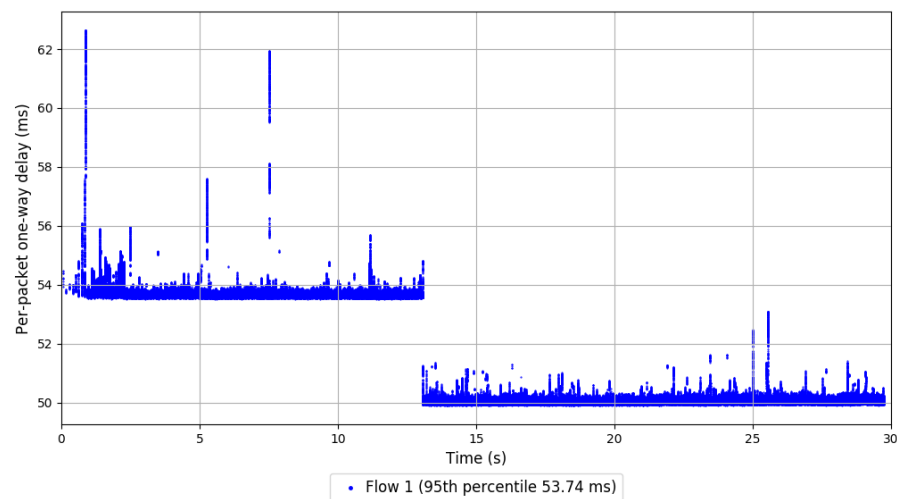
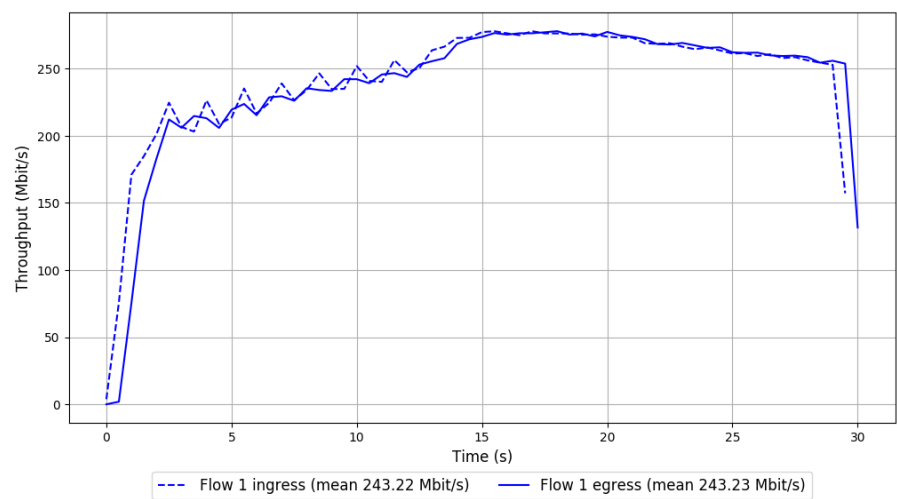
-- Flow 1:

Average throughput: 243.23 Mbit/s

95th percentile per-packet one-way delay: 53.745 ms

Loss rate: 0.35%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-27 04:32:05

End at: 2018-07-27 04:32:35

Local clock offset: -0.227 ms

Remote clock offset: -1.49 ms

Below is generated by plot.py at 2018-07-27 07:17:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.79 Mbit/s

95th percentile per-packet one-way delay: 54.974 ms

Loss rate: 0.38%

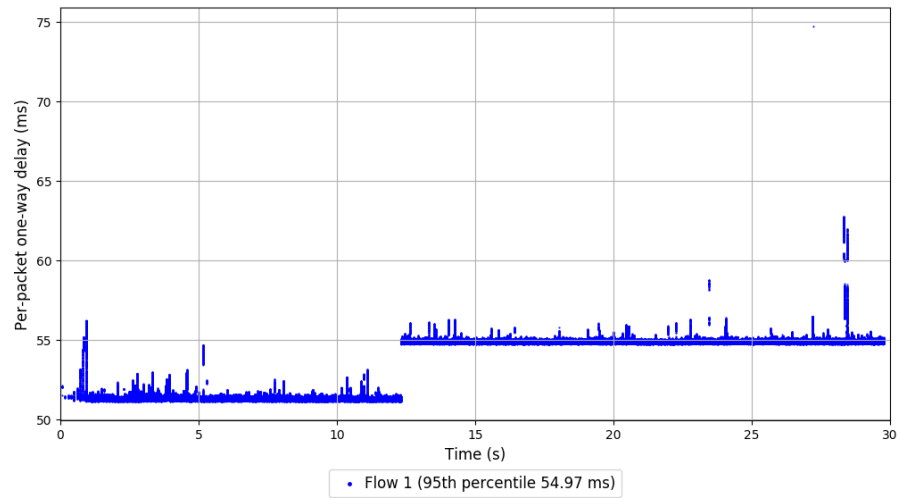
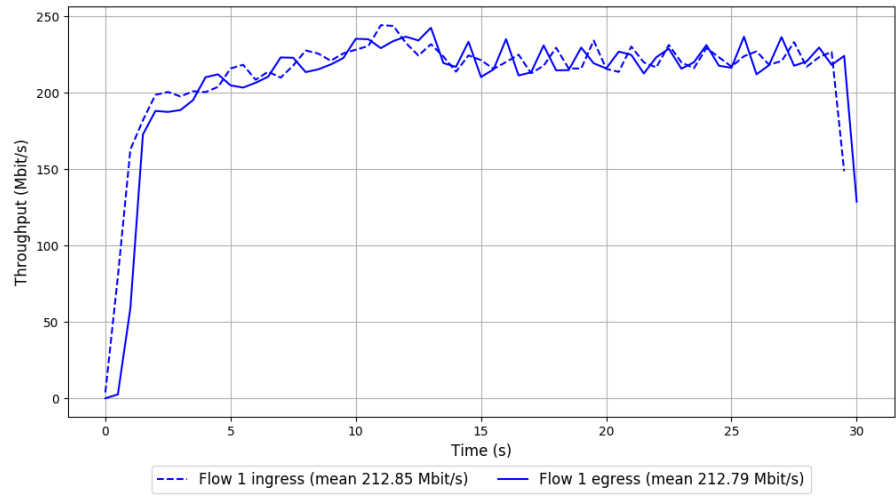
-- Flow 1:

Average throughput: 212.79 Mbit/s

95th percentile per-packet one-way delay: 54.974 ms

Loss rate: 0.38%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-27 04:54:15

End at: 2018-07-27 04:54:45

Local clock offset: 0.102 ms

Remote clock offset: -1.31 ms

Below is generated by plot.py at 2018-07-27 07:17:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 233.69 Mbit/s

95th percentile per-packet one-way delay: 54.993 ms

Loss rate: 0.33%

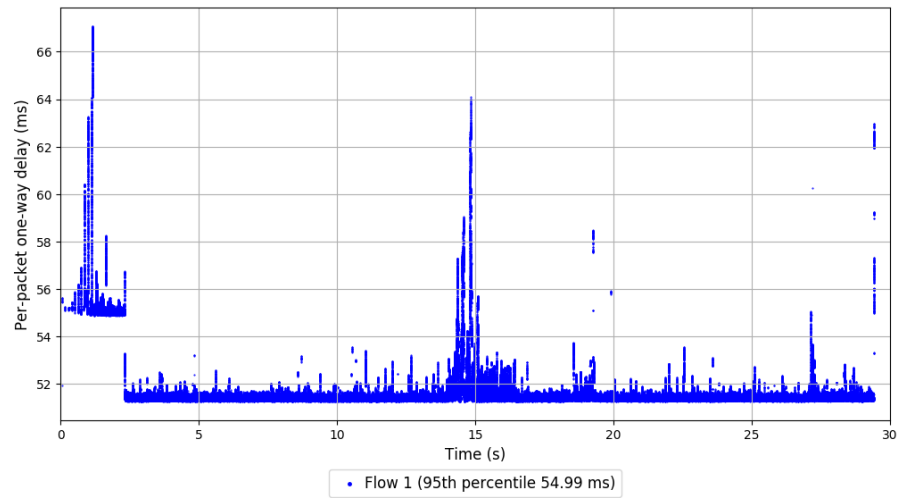
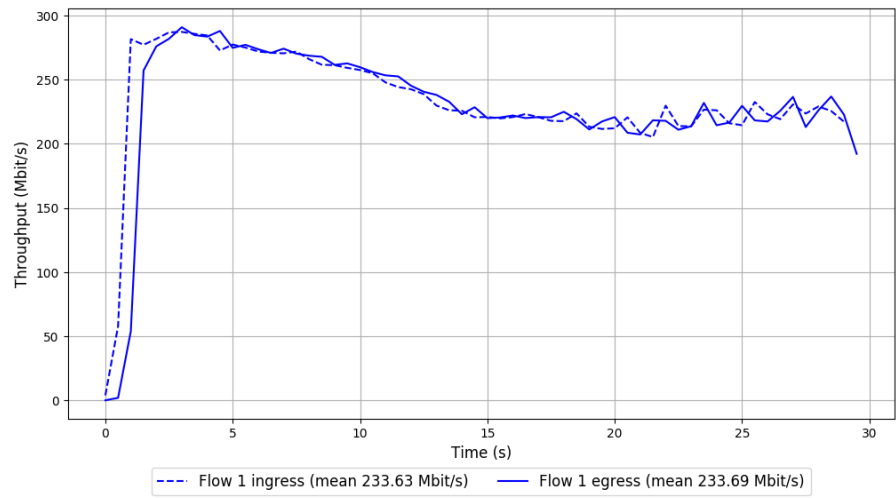
-- Flow 1:

Average throughput: 233.69 Mbit/s

95th percentile per-packet one-way delay: 54.993 ms

Loss rate: 0.33%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-27 05:16:07

End at: 2018-07-27 05:16:37

Local clock offset: -0.072 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-27 07:17:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.65 Mbit/s

95th percentile per-packet one-way delay: 53.916 ms

Loss rate: 0.33%

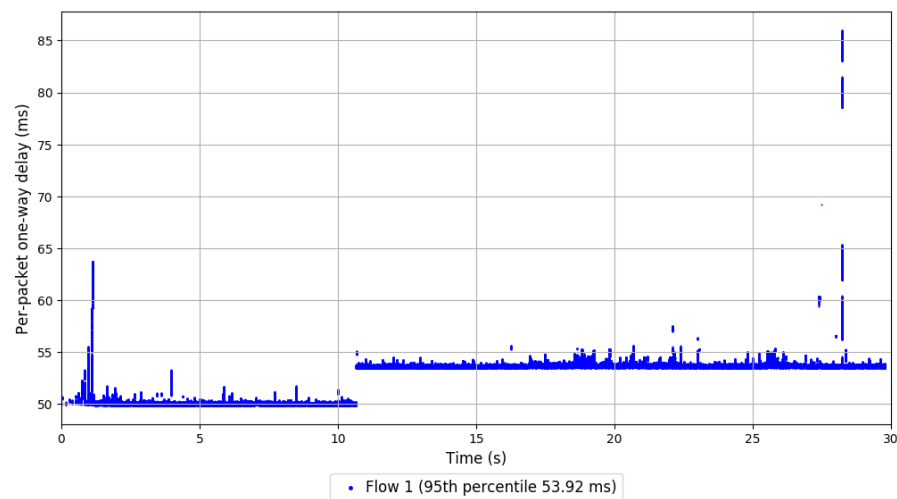
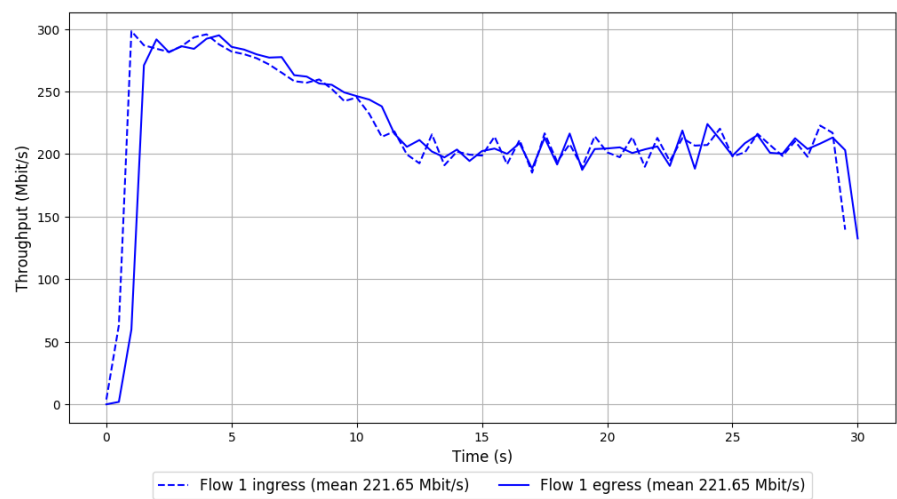
-- Flow 1:

Average throughput: 221.65 Mbit/s

95th percentile per-packet one-way delay: 53.916 ms

Loss rate: 0.33%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-27 05:37:51

End at: 2018-07-27 05:38:21

Local clock offset: 0.068 ms

Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-27 07:17:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 238.17 Mbit/s

95th percentile per-packet one-way delay: 53.796 ms

Loss rate: 0.34%

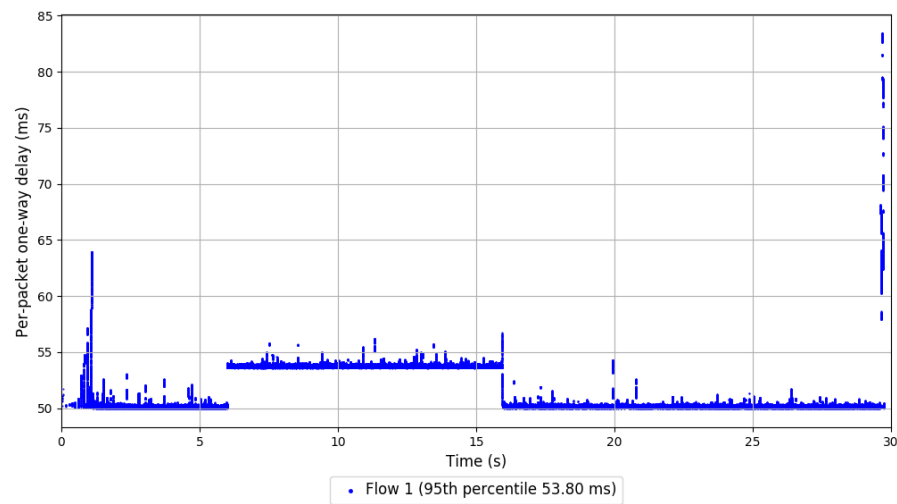
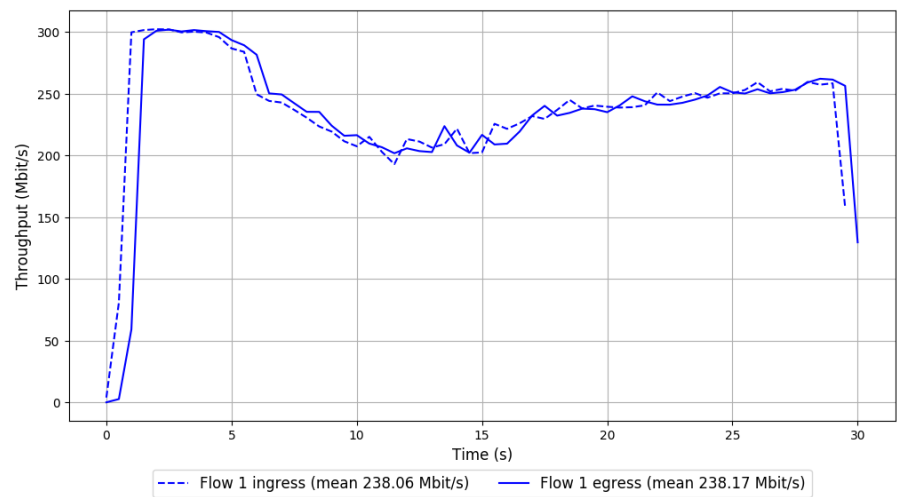
-- Flow 1:

Average throughput: 238.17 Mbit/s

95th percentile per-packet one-way delay: 53.796 ms

Loss rate: 0.34%

Run 10: Report of Indigo — Data Link

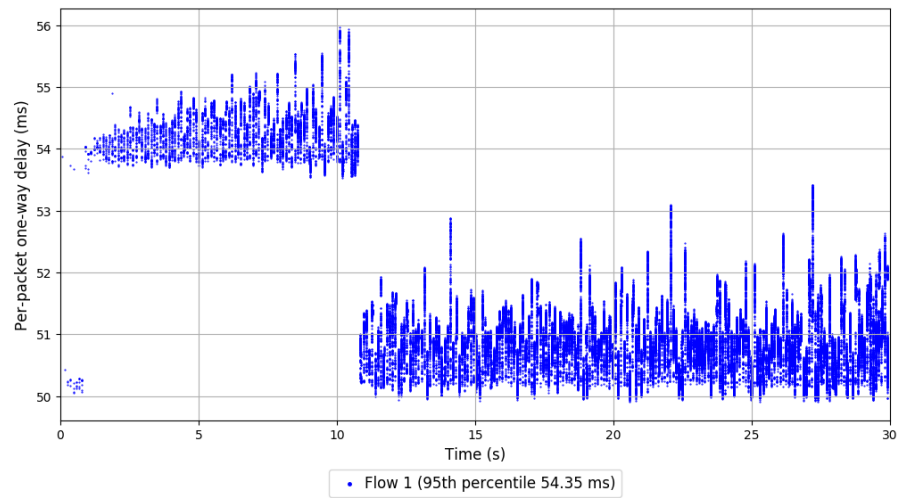
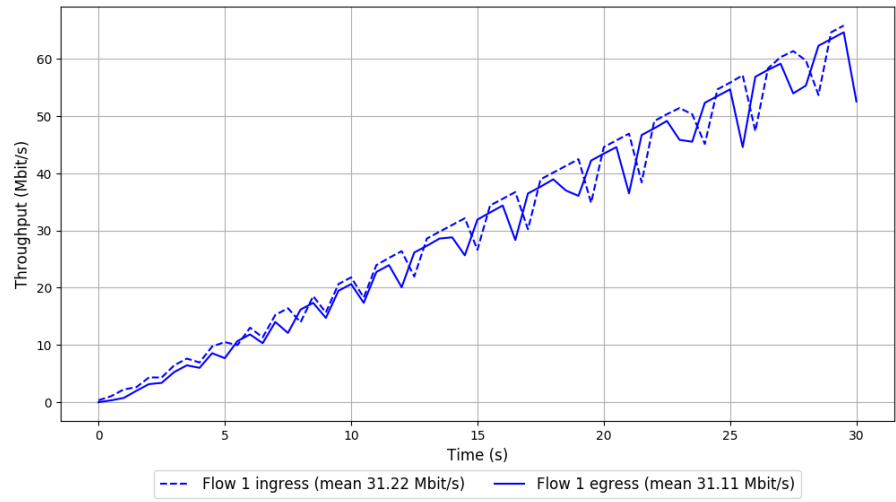


Run 1: Statistics of LEDBAT

Start at: 2018-07-27 02:27:27
End at: 2018-07-27 02:27:57
Local clock offset: -0.038 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-27 07:17:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.11 Mbit/s
95th percentile per-packet one-way delay: 54.355 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 31.11 Mbit/s
95th percentile per-packet one-way delay: 54.355 ms
Loss rate: 0.71%

Run 1: Report of LEDBAT — Data Link

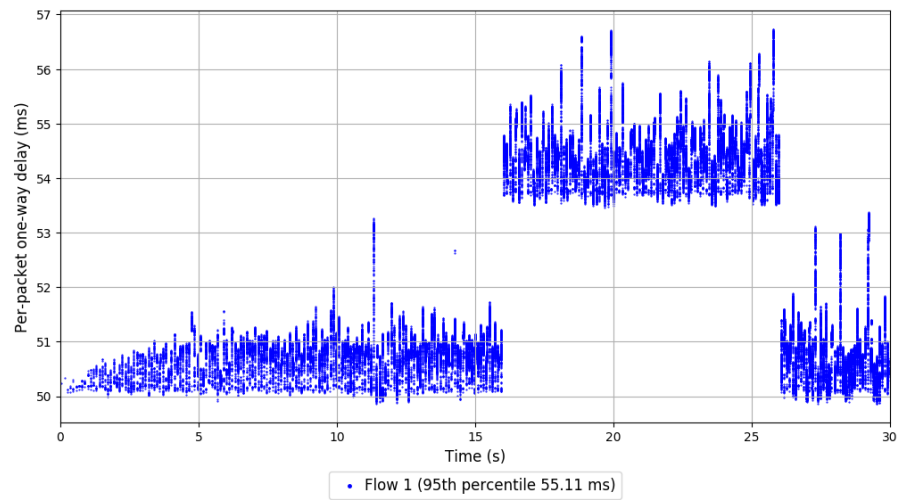
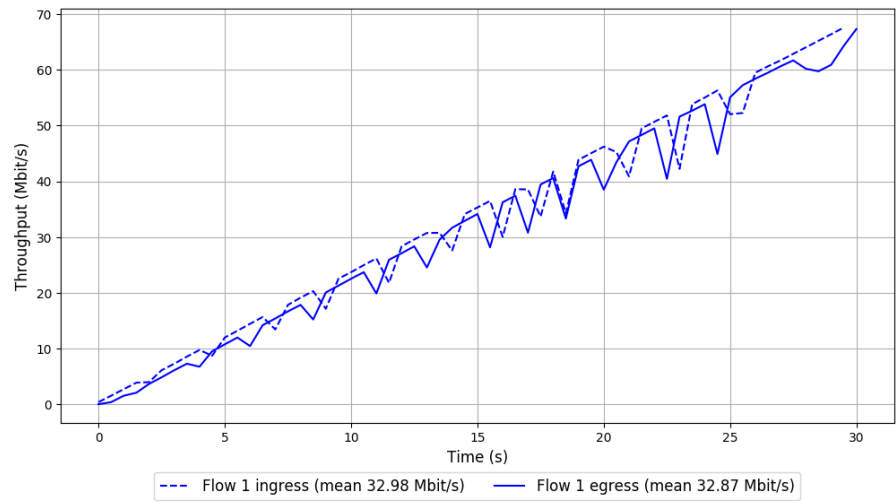


Run 2: Statistics of LEDBAT

Start at: 2018-07-27 02:49:21
End at: 2018-07-27 02:49:51
Local clock offset: -0.076 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-27 07:17:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.87 Mbit/s
95th percentile per-packet one-way delay: 55.106 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 32.87 Mbit/s
95th percentile per-packet one-way delay: 55.106 ms
Loss rate: 0.69%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-27 03:10:54

End at: 2018-07-27 03:11:24

Local clock offset: -0.017 ms

Remote clock offset: 0.107 ms

Below is generated by plot.py at 2018-07-27 07:17:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.50 Mbit/s

95th percentile per-packet one-way delay: 54.859 ms

Loss rate: 0.69%

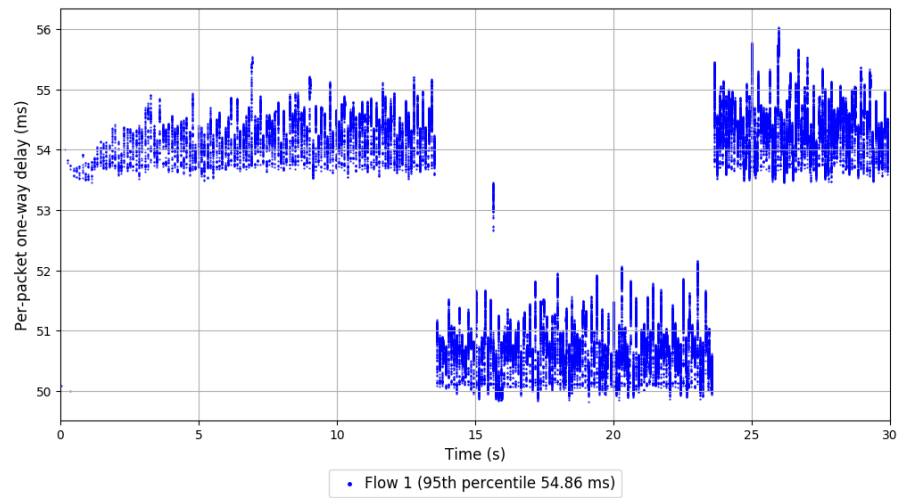
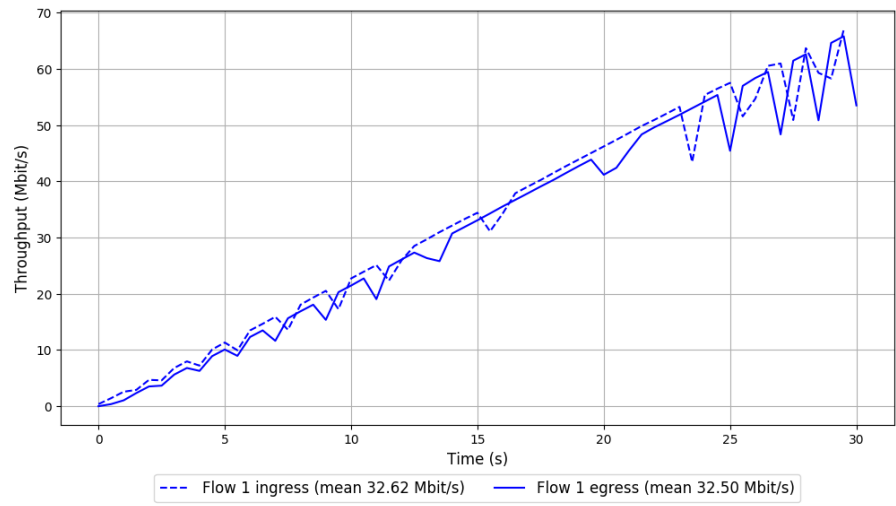
-- Flow 1:

Average throughput: 32.50 Mbit/s

95th percentile per-packet one-way delay: 54.859 ms

Loss rate: 0.69%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-27 03:32:23

End at: 2018-07-27 03:32:53

Local clock offset: 0.107 ms

Remote clock offset: 1.253 ms

Below is generated by plot.py at 2018-07-27 07:17:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.74 Mbit/s

95th percentile per-packet one-way delay: 53.920 ms

Loss rate: 0.70%

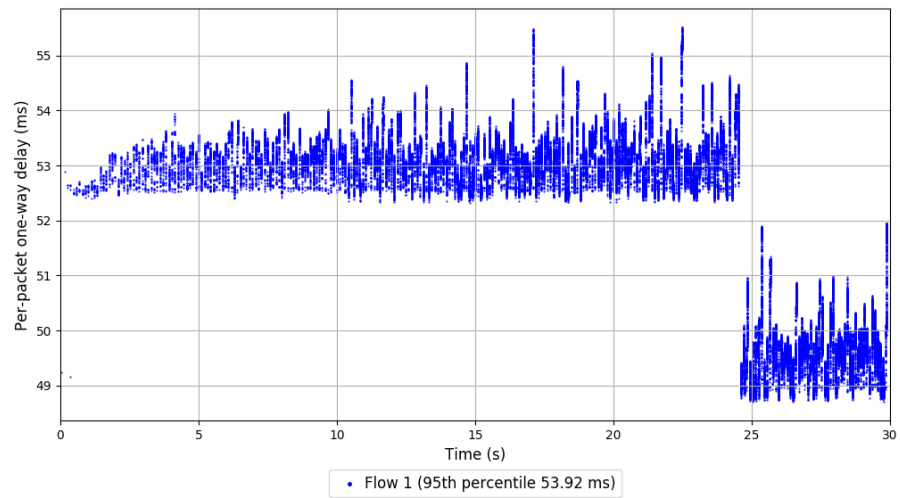
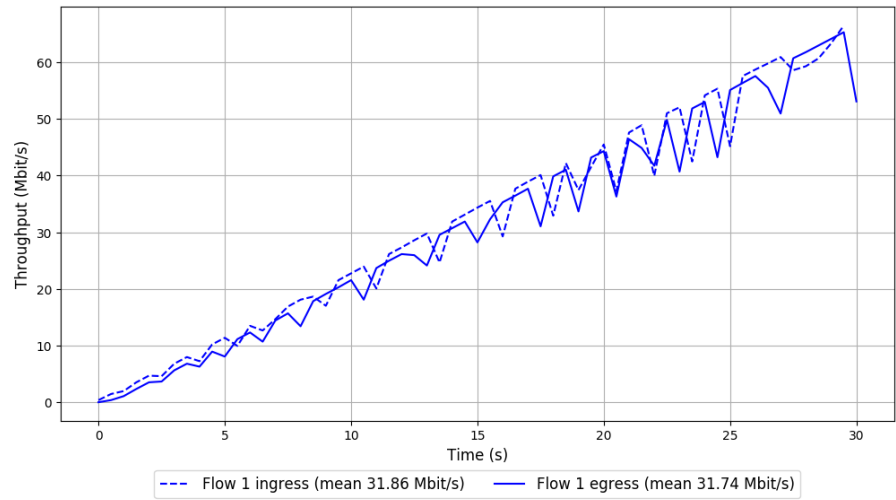
-- Flow 1:

Average throughput: 31.74 Mbit/s

95th percentile per-packet one-way delay: 53.920 ms

Loss rate: 0.70%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-27 03:54:13

End at: 2018-07-27 03:54:43

Local clock offset: -0.135 ms

Remote clock offset: 0.255 ms

Below is generated by plot.py at 2018-07-27 07:17:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.76 Mbit/s

95th percentile per-packet one-way delay: 54.516 ms

Loss rate: 0.69%

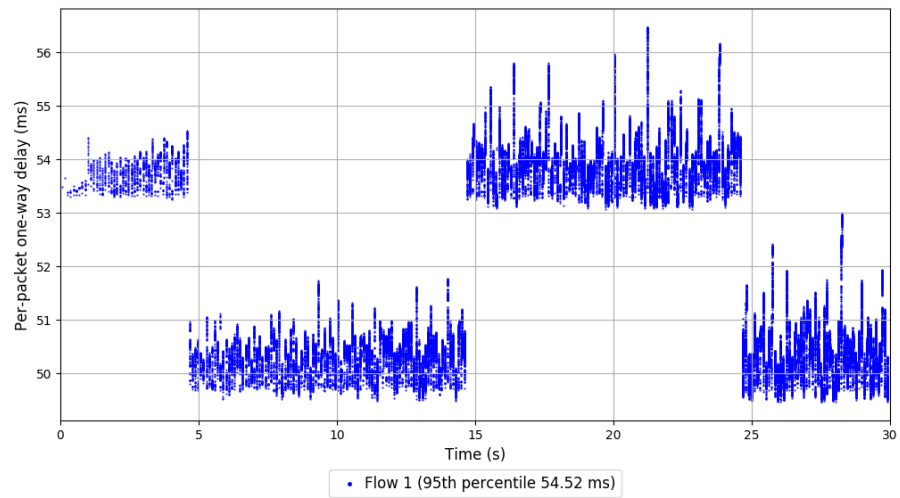
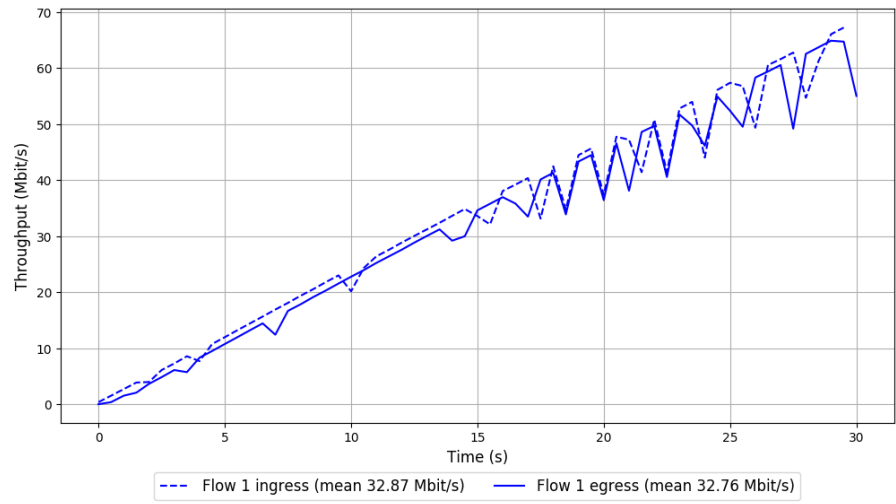
-- Flow 1:

Average throughput: 32.76 Mbit/s

95th percentile per-packet one-way delay: 54.516 ms

Loss rate: 0.69%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-27 04:15:43

End at: 2018-07-27 04:16:13

Local clock offset: -0.247 ms

Remote clock offset: 1.32 ms

Below is generated by plot.py at 2018-07-27 07:17:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.40 Mbit/s

95th percentile per-packet one-way delay: 53.241 ms

Loss rate: 0.67%

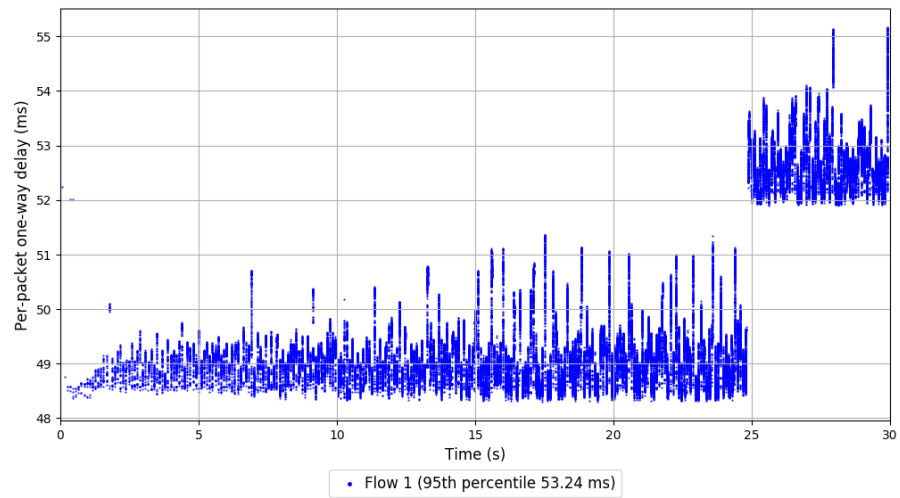
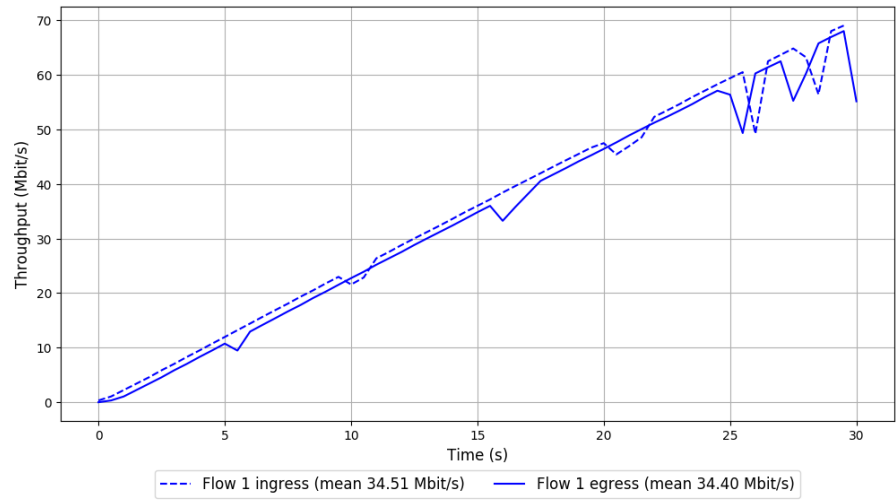
-- Flow 1:

Average throughput: 34.40 Mbit/s

95th percentile per-packet one-way delay: 53.241 ms

Loss rate: 0.67%

Run 6: Report of LEDBAT — Data Link

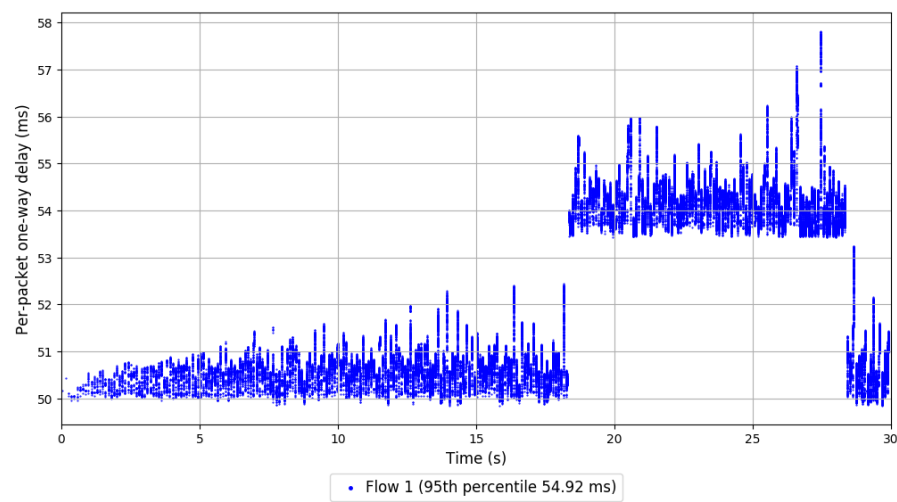
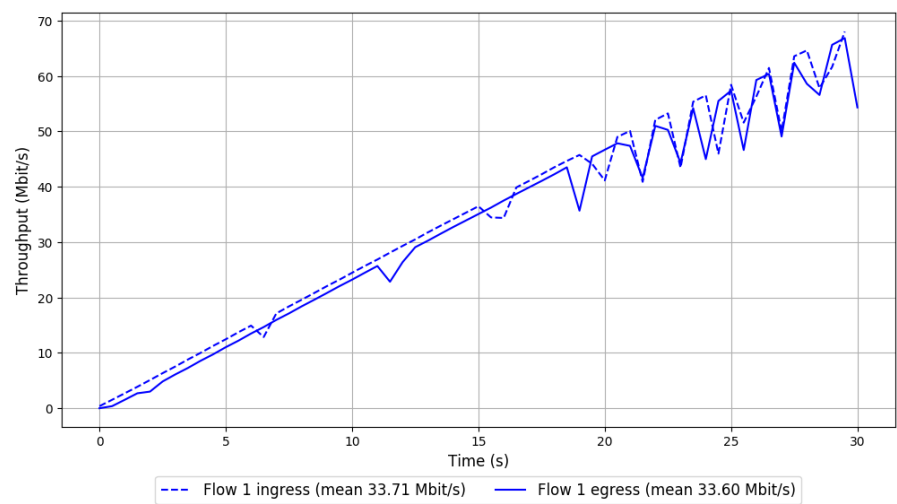


Run 7: Statistics of LEDBAT

Start at: 2018-07-27 04:37:19
End at: 2018-07-27 04:37:49
Local clock offset: -0.086 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-07-27 07:17:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.60 Mbit/s
95th percentile per-packet one-way delay: 54.922 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 33.60 Mbit/s
95th percentile per-packet one-way delay: 54.922 ms
Loss rate: 0.68%

Run 7: Report of LEDBAT — Data Link

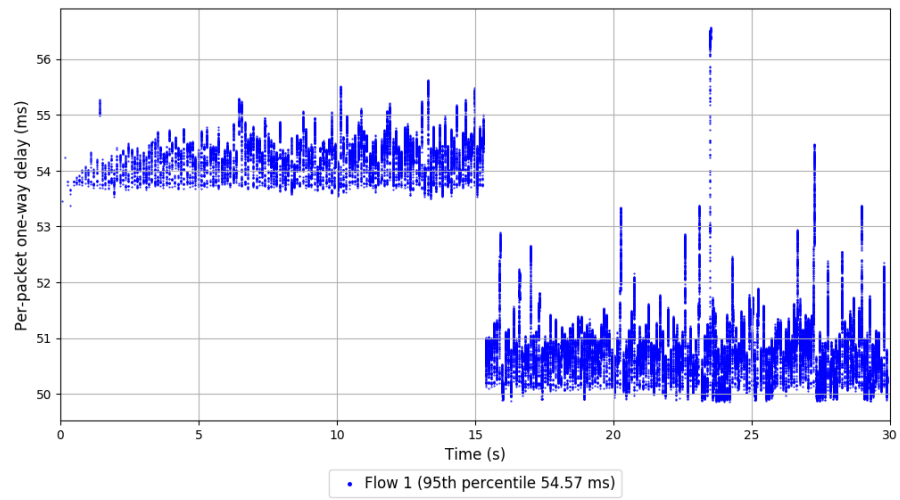
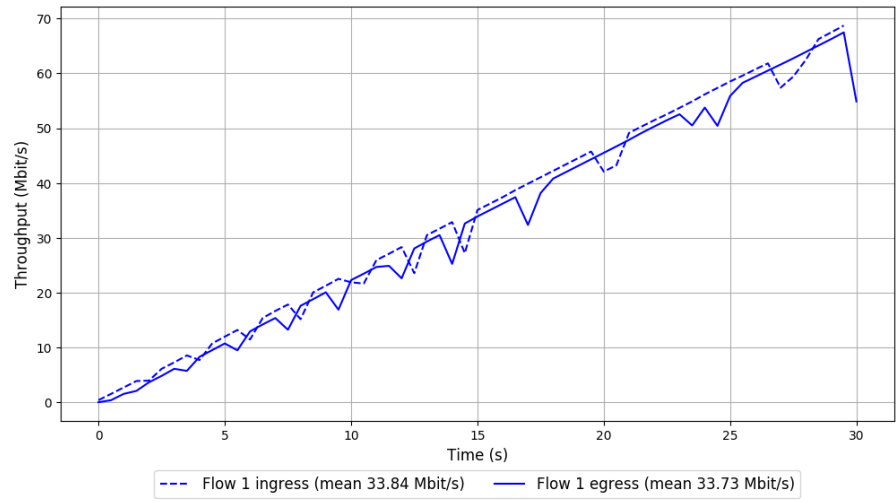


Run 8: Statistics of LEDBAT

Start at: 2018-07-27 04:59:32
End at: 2018-07-27 05:00:02
Local clock offset: -0.059 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-27 07:17:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.73 Mbit/s
95th percentile per-packet one-way delay: 54.574 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 33.73 Mbit/s
95th percentile per-packet one-way delay: 54.574 ms
Loss rate: 0.68%

Run 8: Report of LEDBAT — Data Link

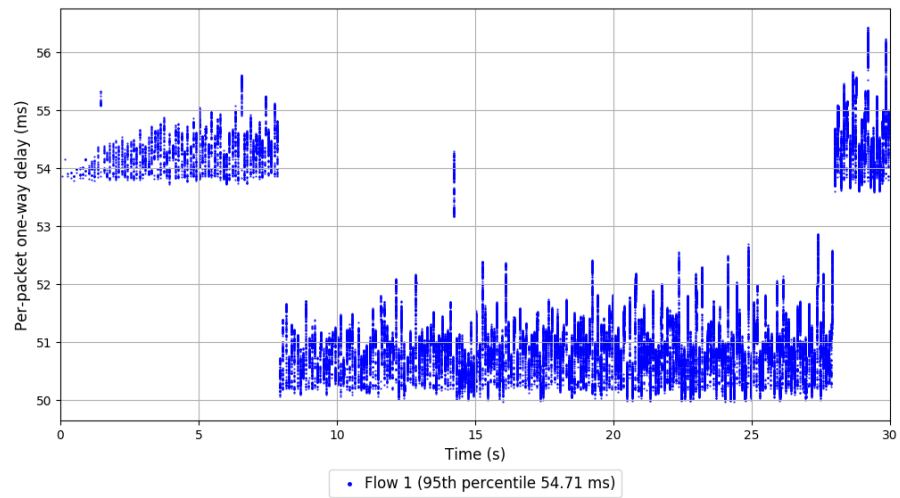
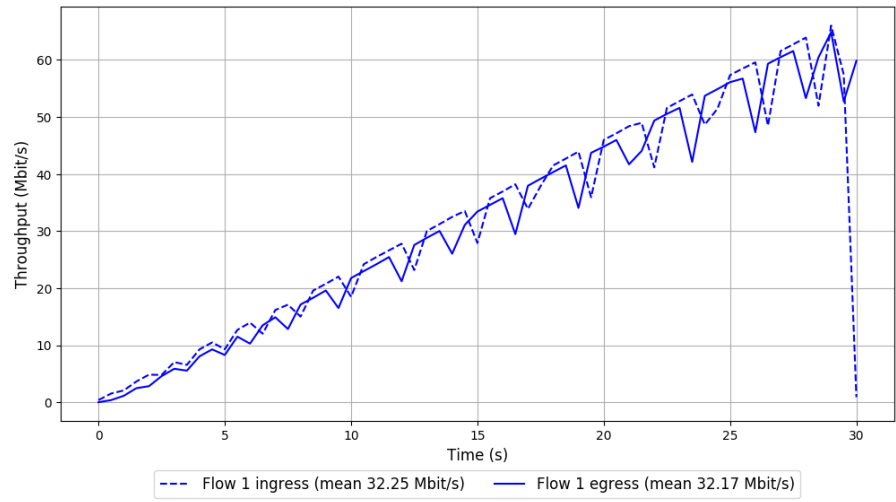


Run 9: Statistics of LEDBAT

Start at: 2018-07-27 05:21:20
End at: 2018-07-27 05:21:50
Local clock offset: -0.102 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2018-07-27 07:17:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.17 Mbit/s
95th percentile per-packet one-way delay: 54.712 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 32.17 Mbit/s
95th percentile per-packet one-way delay: 54.712 ms
Loss rate: 0.61%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-27 05:43:07

End at: 2018-07-27 05:43:37

Local clock offset: -0.048 ms

Remote clock offset: 0.237 ms

Below is generated by plot.py at 2018-07-27 07:17:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.37 Mbit/s

95th percentile per-packet one-way delay: 54.895 ms

Loss rate: 0.68%

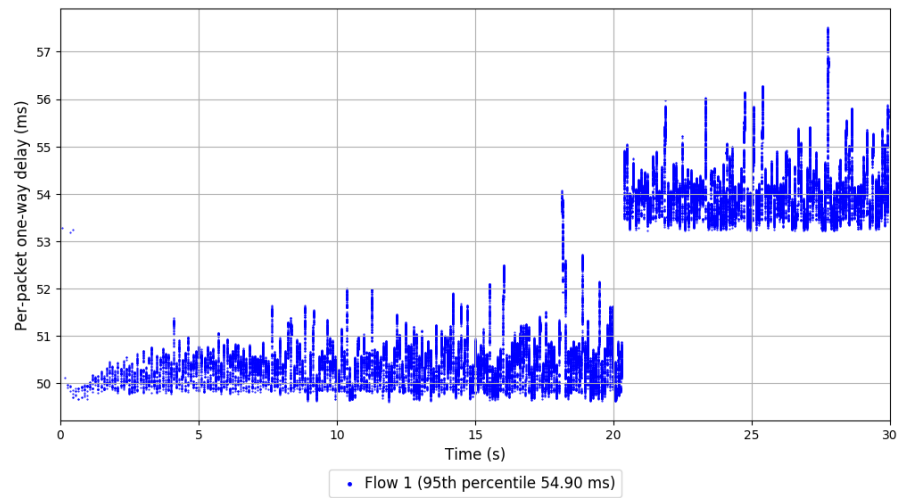
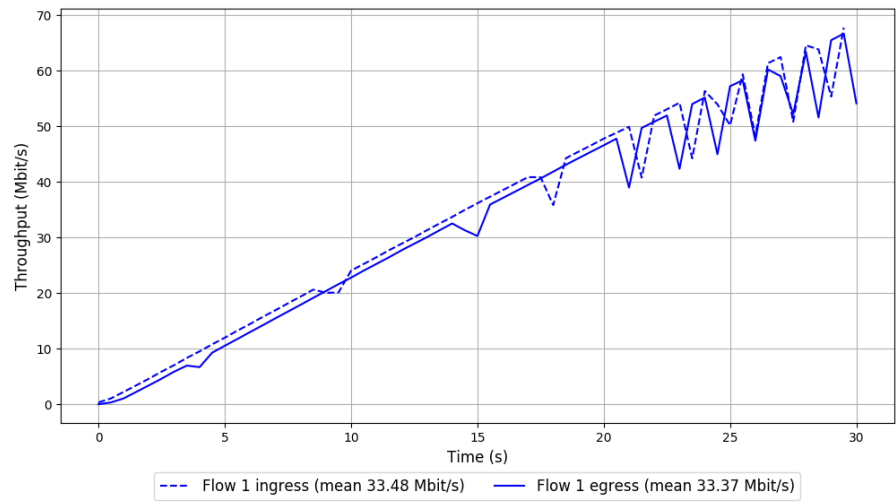
-- Flow 1:

Average throughput: 33.37 Mbit/s

95th percentile per-packet one-way delay: 54.895 ms

Loss rate: 0.68%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-27 02:17:21

End at: 2018-07-27 02:17:51

Local clock offset: 0.145 ms

Remote clock offset: -0.245 ms

Below is generated by plot.py at 2018-07-27 07:23:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 414.65 Mbit/s

95th percentile per-packet one-way delay: 188.389 ms

Loss rate: 0.35%

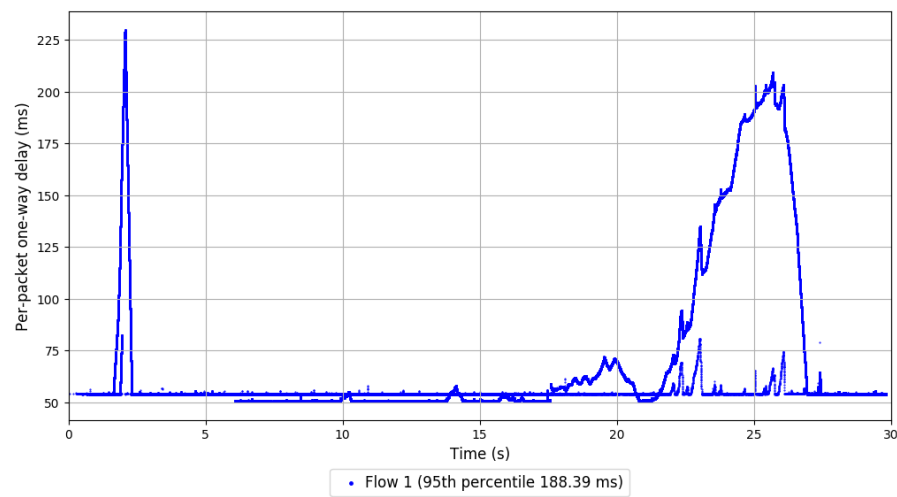
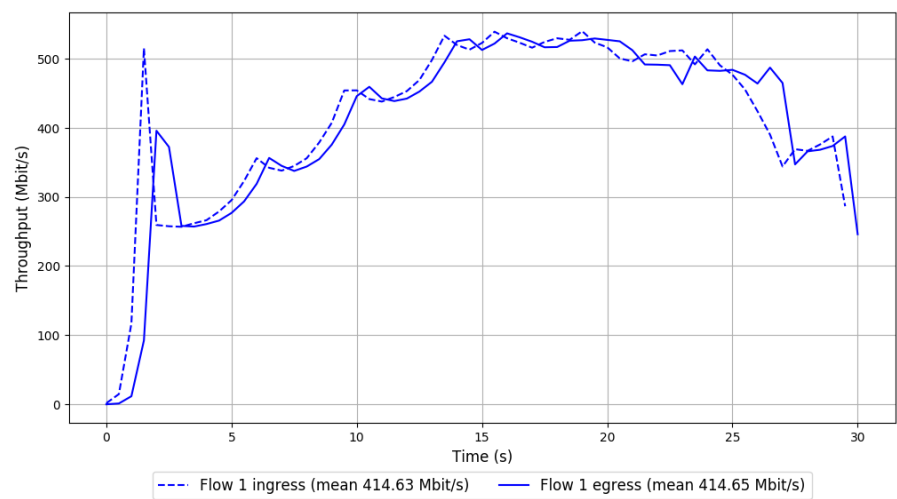
-- Flow 1:

Average throughput: 414.65 Mbit/s

95th percentile per-packet one-way delay: 188.389 ms

Loss rate: 0.35%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-27 02:39:06

End at: 2018-07-27 02:39:36

Local clock offset: -0.16 ms

Remote clock offset: 1.368 ms

Below is generated by plot.py at 2018-07-27 07:24:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 453.08 Mbit/s

95th percentile per-packet one-way delay: 188.843 ms

Loss rate: 1.21%

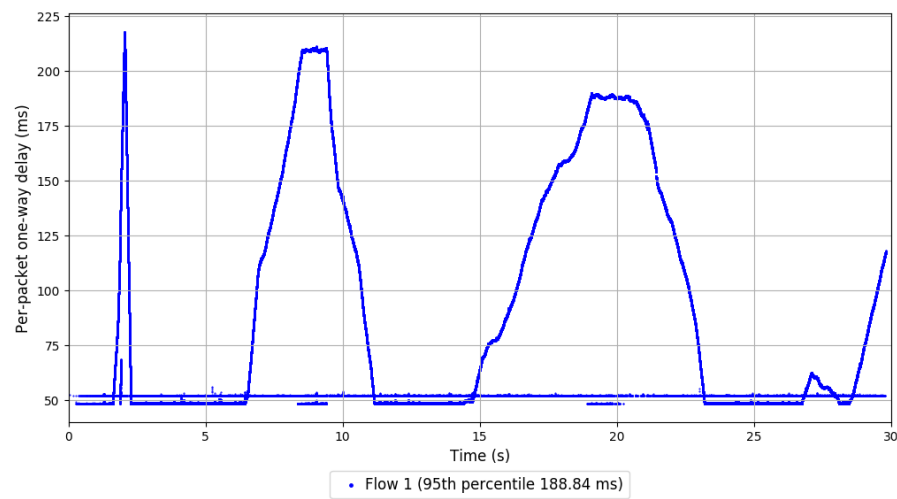
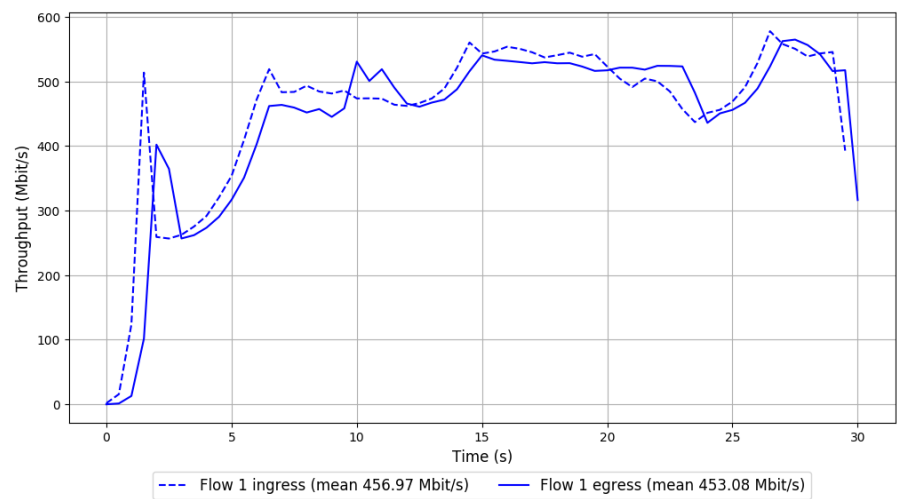
-- Flow 1:

Average throughput: 453.08 Mbit/s

95th percentile per-packet one-way delay: 188.843 ms

Loss rate: 1.21%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-27 03:00:49

End at: 2018-07-27 03:01:19

Local clock offset: -0.141 ms

Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-27 07:24:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 420.26 Mbit/s

95th percentile per-packet one-way delay: 133.092 ms

Loss rate: 0.55%

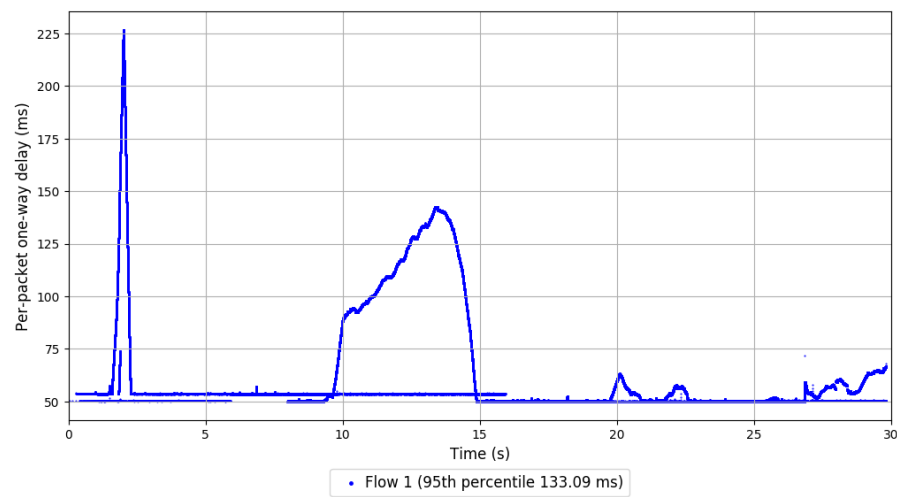
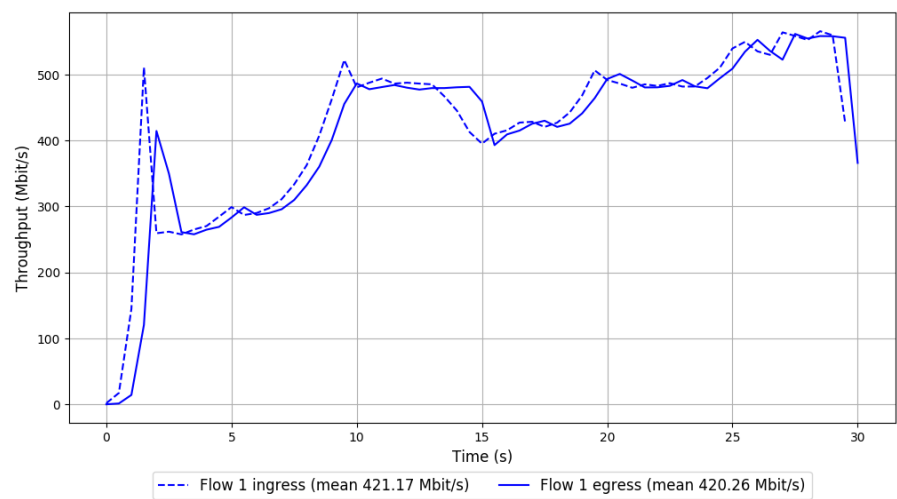
-- Flow 1:

Average throughput: 420.26 Mbit/s

95th percentile per-packet one-way delay: 133.092 ms

Loss rate: 0.55%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-27 03:22:21

End at: 2018-07-27 03:22:51

Local clock offset: -0.049 ms

Remote clock offset: 1.268 ms

Below is generated by plot.py at 2018-07-27 07:24:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 337.62 Mbit/s

95th percentile per-packet one-way delay: 52.476 ms

Loss rate: 0.43%

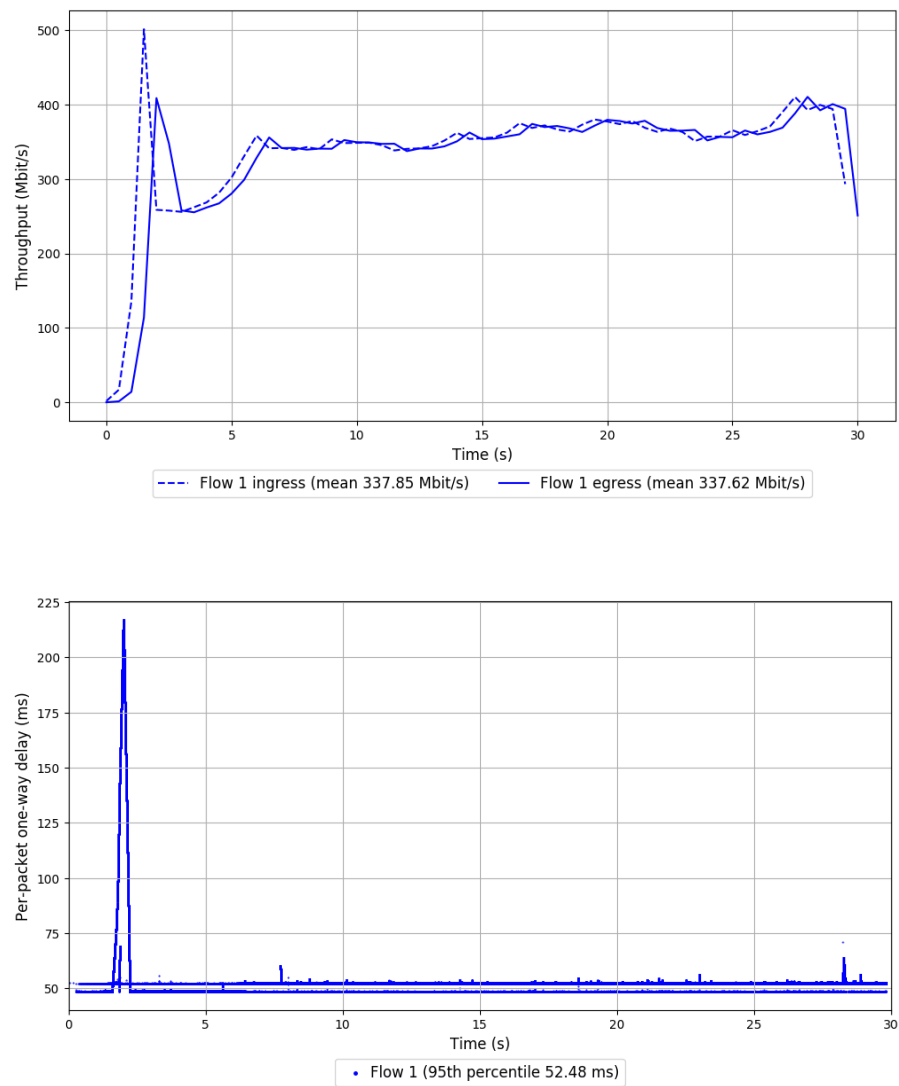
-- Flow 1:

Average throughput: 337.62 Mbit/s

95th percentile per-packet one-way delay: 52.476 ms

Loss rate: 0.43%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-27 03:44:05

End at: 2018-07-27 03:44:35

Local clock offset: 0.066 ms

Remote clock offset: -1.414 ms

Below is generated by plot.py at 2018-07-27 07:24:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 403.41 Mbit/s

95th percentile per-packet one-way delay: 196.246 ms

Loss rate: 0.47%

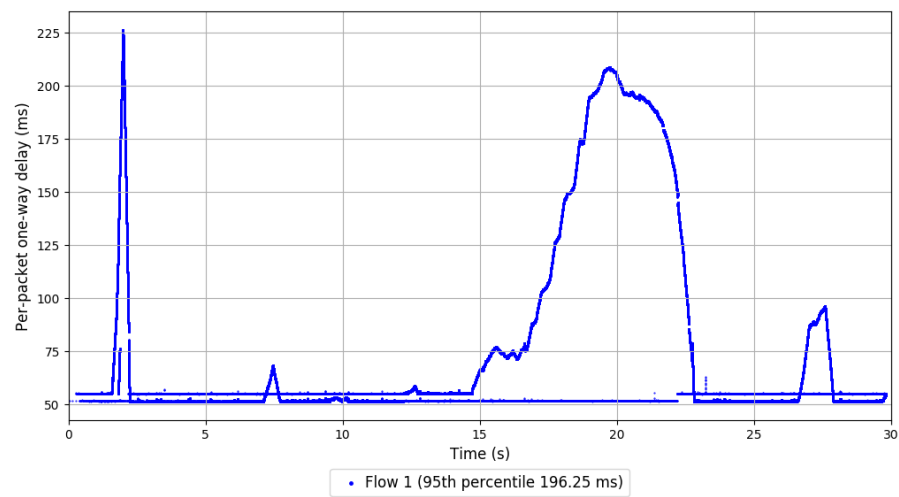
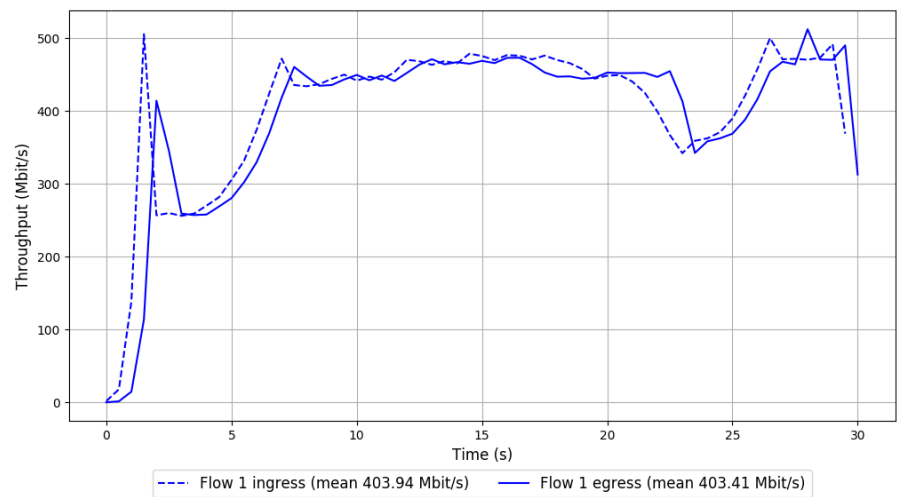
-- Flow 1:

Average throughput: 403.41 Mbit/s

95th percentile per-packet one-way delay: 196.246 ms

Loss rate: 0.47%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-27 04:05:33

End at: 2018-07-27 04:06:03

Local clock offset: -0.186 ms

Remote clock offset: -0.171 ms

Below is generated by plot.py at 2018-07-27 07:24:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 293.96 Mbit/s

95th percentile per-packet one-way delay: 61.387 ms

Loss rate: 0.59%

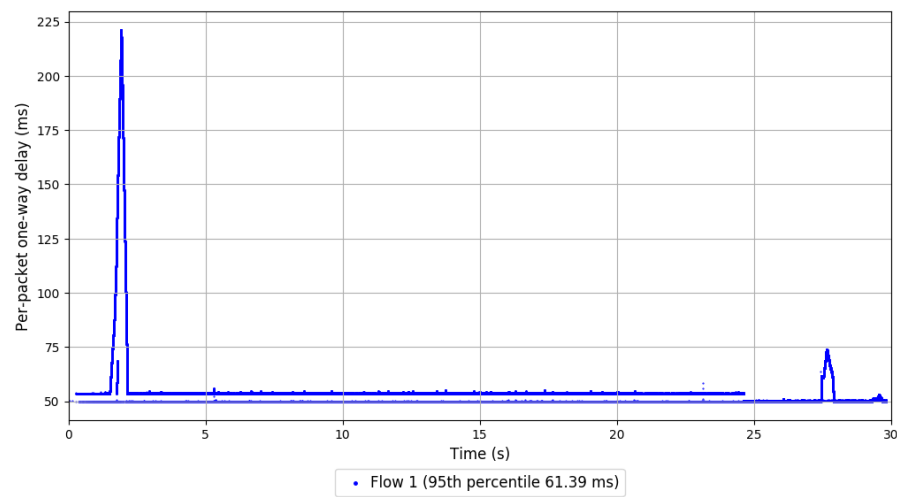
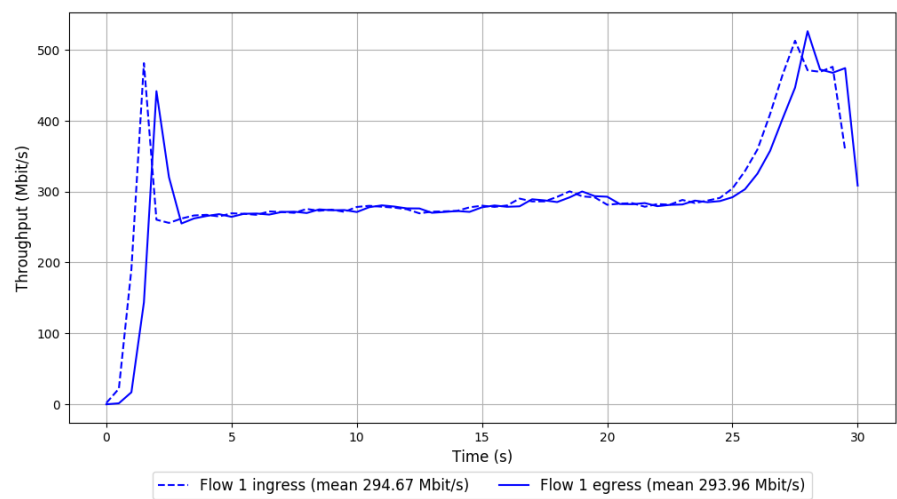
-- Flow 1:

Average throughput: 293.96 Mbit/s

95th percentile per-packet one-way delay: 61.387 ms

Loss rate: 0.59%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-27 04:27:09

End at: 2018-07-27 04:27:39

Local clock offset: 0.161 ms

Remote clock offset: -0.132 ms

Below is generated by plot.py at 2018-07-27 07:24:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 423.01 Mbit/s

95th percentile per-packet one-way delay: 215.180 ms

Loss rate: 1.41%

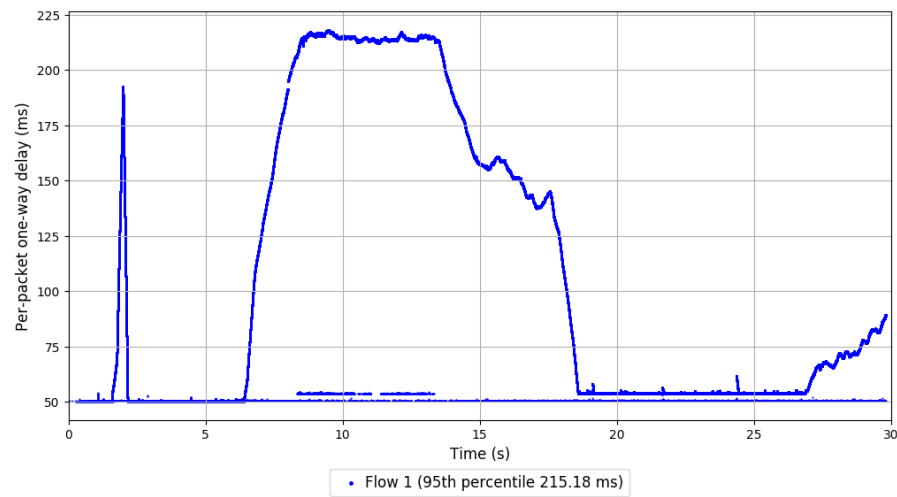
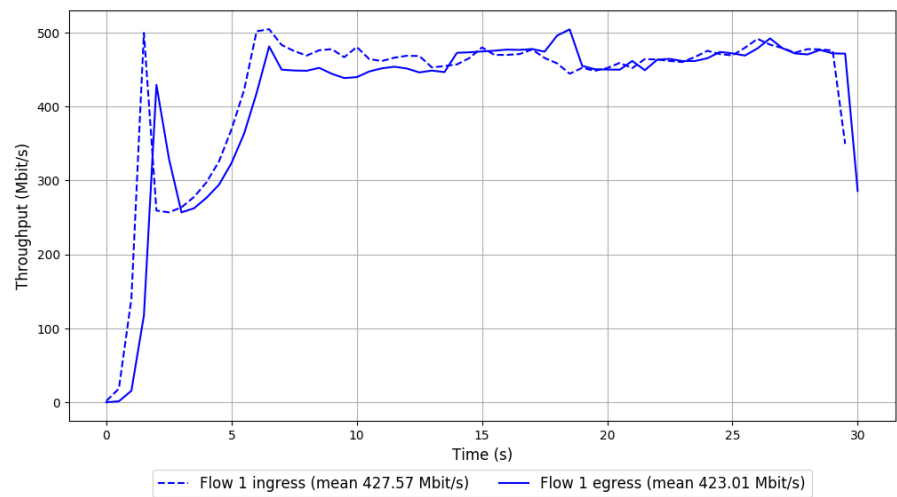
-- Flow 1:

Average throughput: 423.01 Mbit/s

95th percentile per-packet one-way delay: 215.180 ms

Loss rate: 1.41%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-27 04:49:19

End at: 2018-07-27 04:49:49

Local clock offset: -0.011 ms

Remote clock offset: -0.143 ms

Below is generated by plot.py at 2018-07-27 07:25:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 352.26 Mbit/s

95th percentile per-packet one-way delay: 68.541 ms

Loss rate: 0.50%

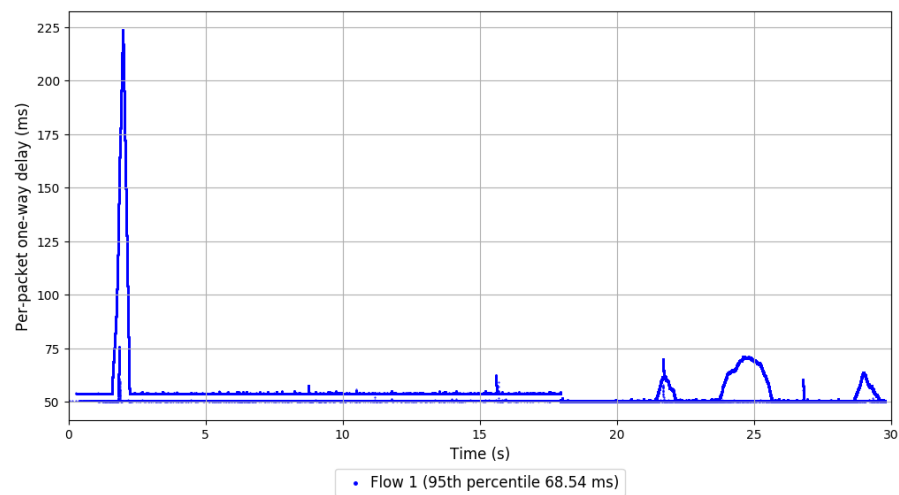
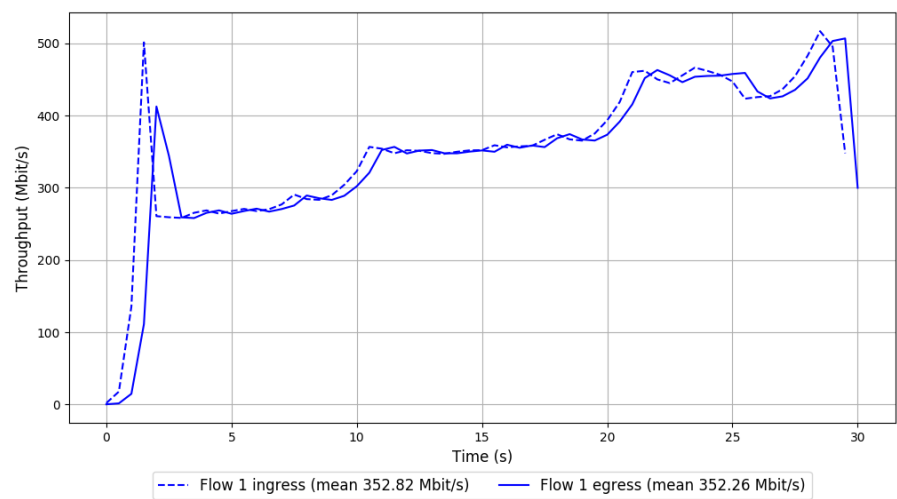
-- Flow 1:

Average throughput: 352.26 Mbit/s

95th percentile per-packet one-way delay: 68.541 ms

Loss rate: 0.50%

Run 8: Report of PCC-Allegro — Data Link

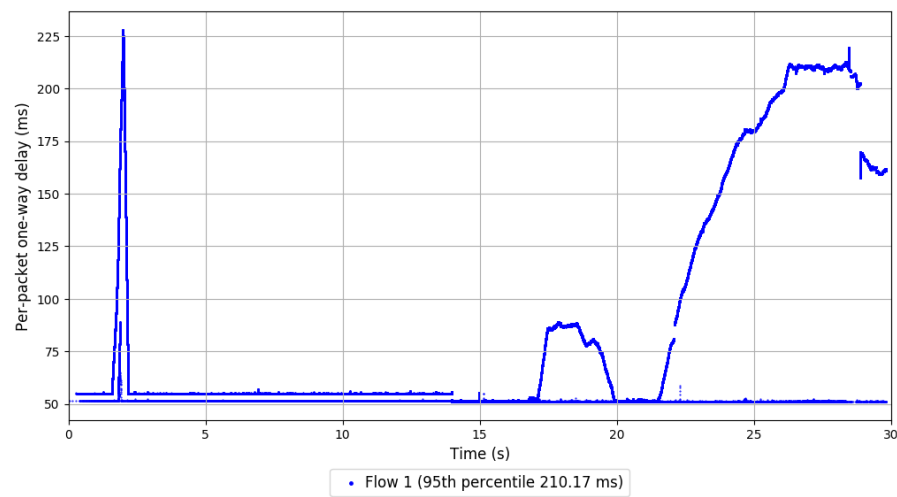
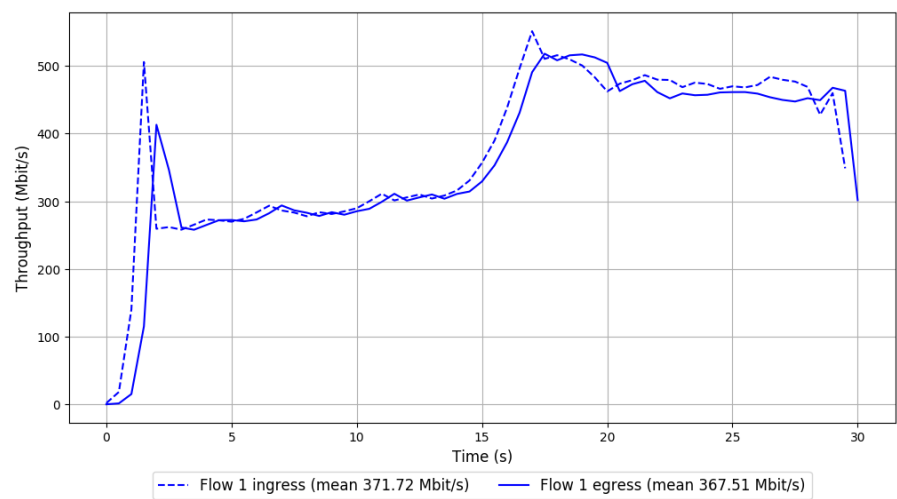


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-27 05:11:13
End at: 2018-07-27 05:11:43
Local clock offset: -0.058 ms
Remote clock offset: -1.221 ms

Below is generated by plot.py at 2018-07-27 07:29:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 367.51 Mbit/s
95th percentile per-packet one-way delay: 210.167 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 367.51 Mbit/s
95th percentile per-packet one-way delay: 210.167 ms
Loss rate: 1.47%

Run 9: Report of PCC-Allegro — Data Link

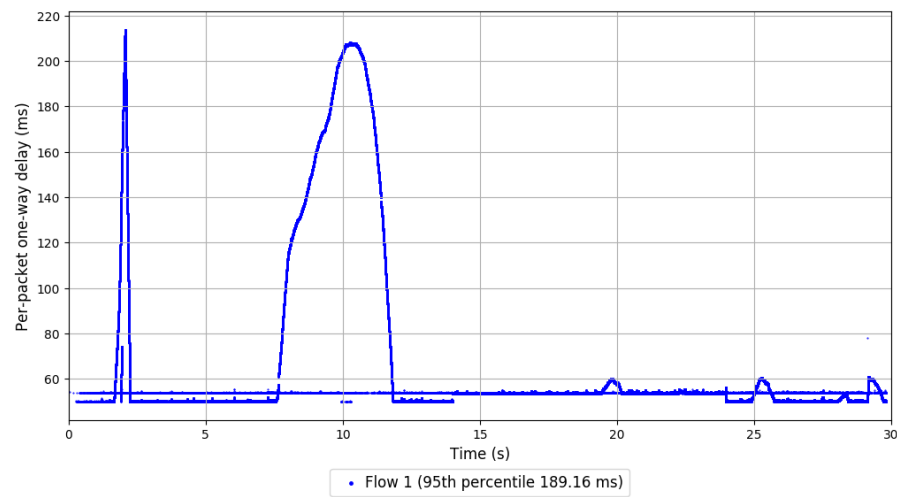
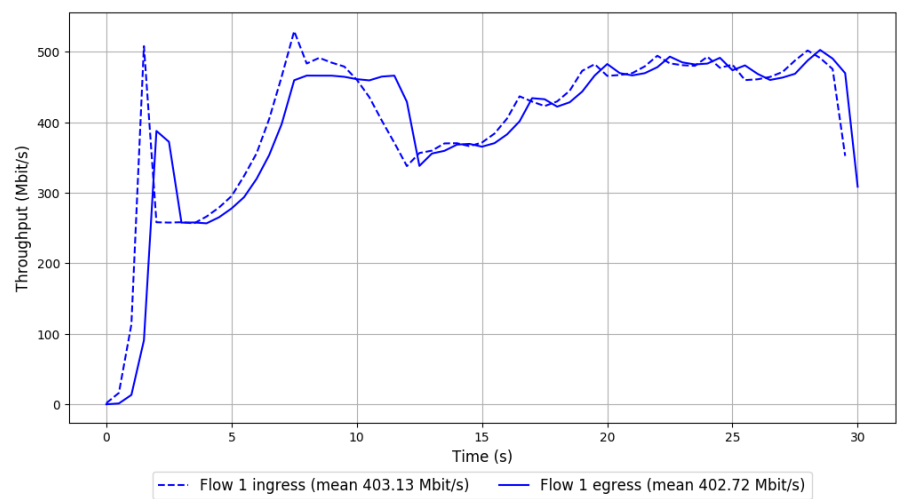


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-27 05:33:03
End at: 2018-07-27 05:33:33
Local clock offset: -0.111 ms
Remote clock offset: -0.209 ms

Below is generated by plot.py at 2018-07-27 07:30:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 402.72 Mbit/s
95th percentile per-packet one-way delay: 189.165 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 402.72 Mbit/s
95th percentile per-packet one-way delay: 189.165 ms
Loss rate: 0.47%

Run 10: Report of PCC-Allegro — Data Link

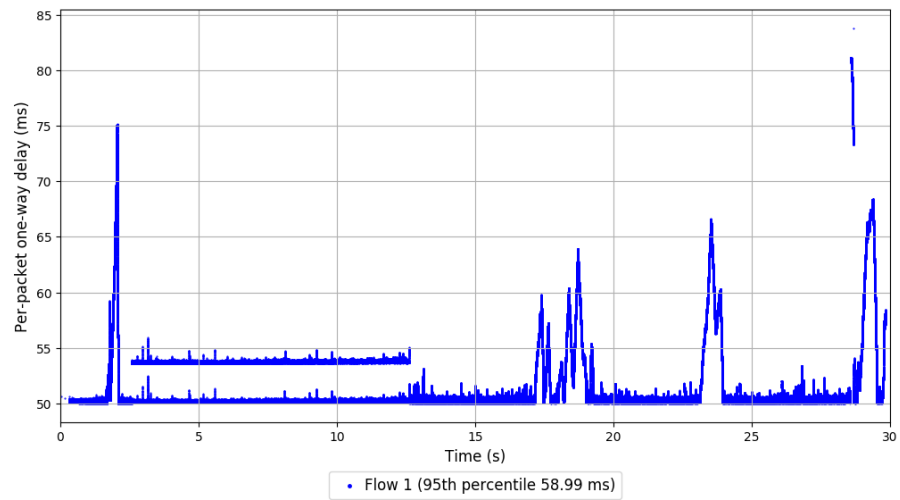
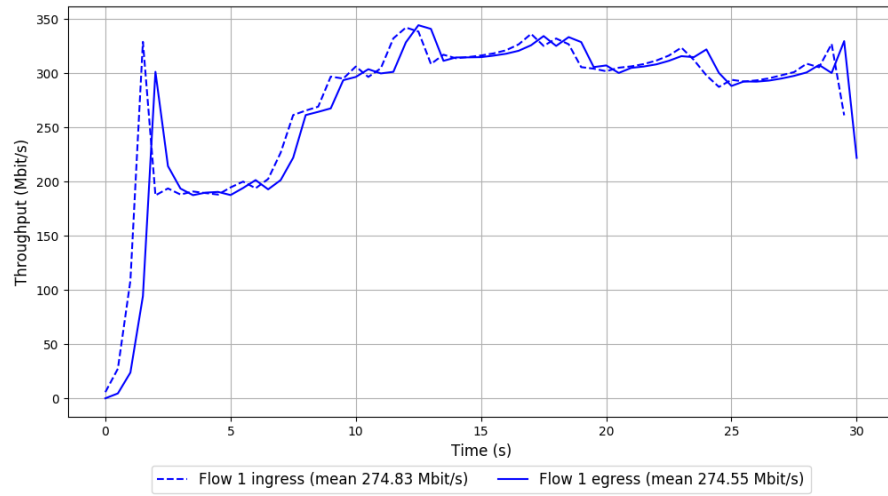


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-27 02:34:35
End at: 2018-07-27 02:35:05
Local clock offset: -0.156 ms
Remote clock offset: -0.297 ms

# Below is generated by plot.py at 2018-07-27 07:33:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 274.55 Mbit/s
95th percentile per-packet one-way delay: 58.989 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 274.55 Mbit/s
95th percentile per-packet one-way delay: 58.989 ms
Loss rate: 0.45%
```


Run 1: Report of PCC-Expr — Data Link

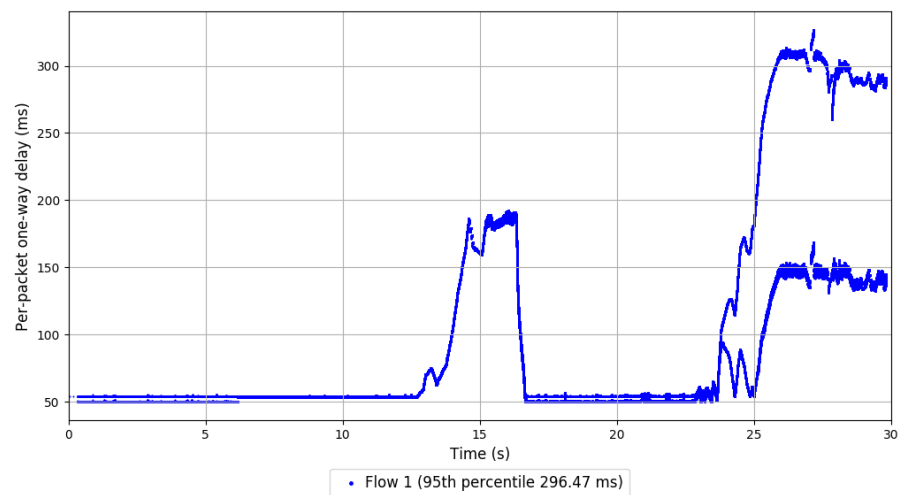
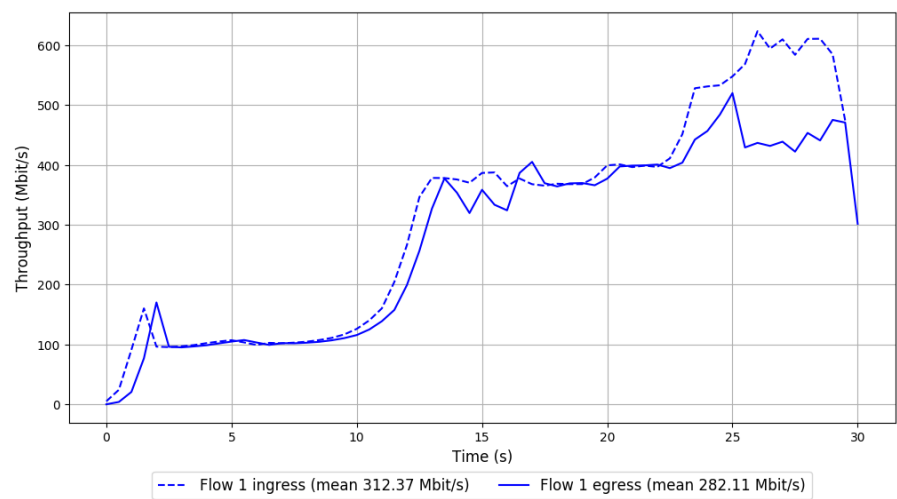


Run 2: Statistics of PCC-Expr

Start at: 2018-07-27 02:56:21
End at: 2018-07-27 02:56:51
Local clock offset: -0.062 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-07-27 07:35:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 282.11 Mbit/s
95th percentile per-packet one-way delay: 296.467 ms
Loss rate: 10.01%
-- Flow 1:
Average throughput: 282.11 Mbit/s
95th percentile per-packet one-way delay: 296.467 ms
Loss rate: 10.01%

Run 2: Report of PCC-Expr — Data Link

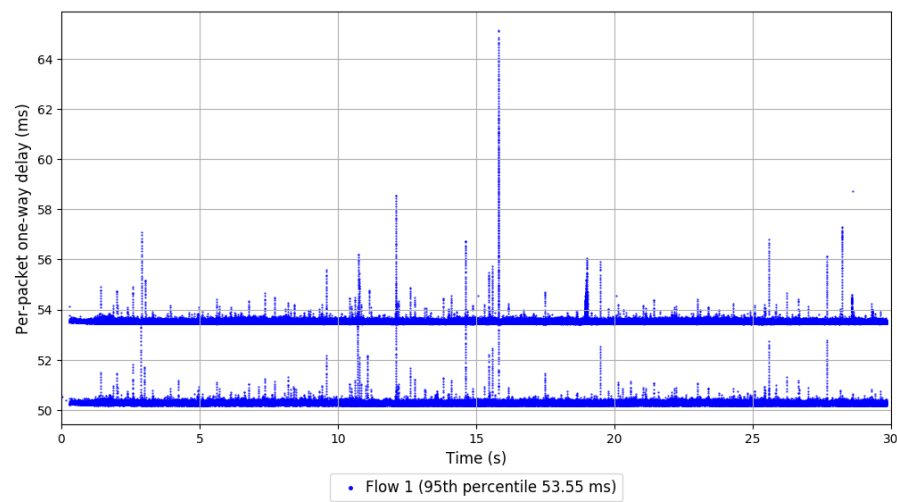
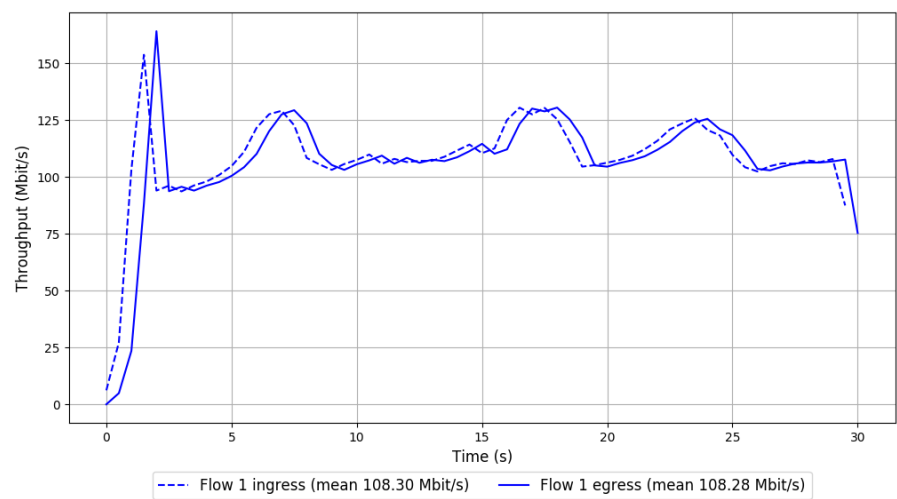


Run 3: Statistics of PCC-Expr

Start at: 2018-07-27 03:17:58
End at: 2018-07-27 03:18:28
Local clock offset: -0.163 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-07-27 07:35:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 108.28 Mbit/s
95th percentile per-packet one-way delay: 53.548 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 108.28 Mbit/s
95th percentile per-packet one-way delay: 53.548 ms
Loss rate: 0.37%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-27 03:39:28

End at: 2018-07-27 03:39:58

Local clock offset: -0.136 ms

Remote clock offset: -0.33 ms

Below is generated by plot.py at 2018-07-27 07:36:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 324.76 Mbit/s

95th percentile per-packet one-way delay: 169.178 ms

Loss rate: 1.57%

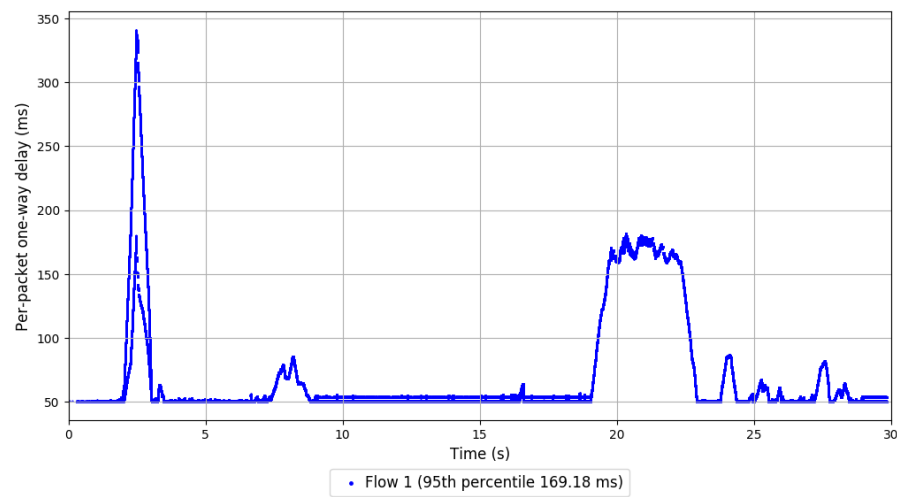
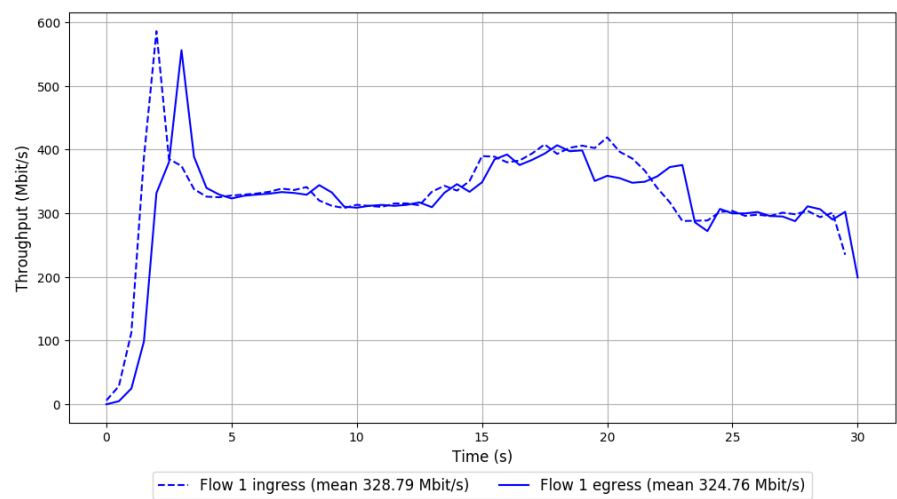
-- Flow 1:

Average throughput: 324.76 Mbit/s

95th percentile per-packet one-way delay: 169.178 ms

Loss rate: 1.57%

Run 4: Report of PCC-Expr — Data Link

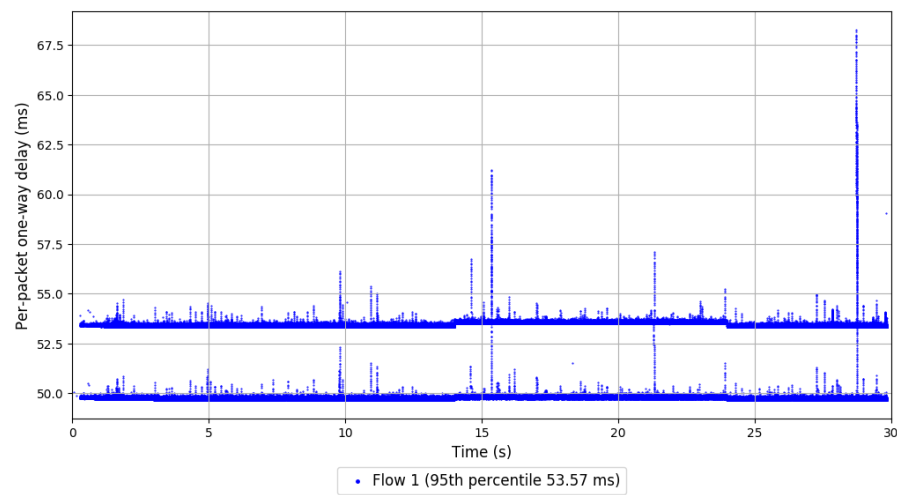
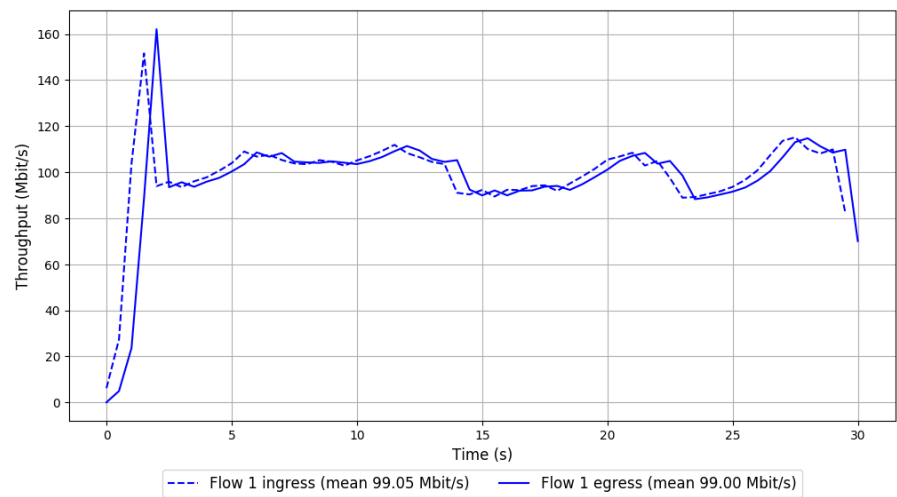


Run 5: Statistics of PCC-Expr

Start at: 2018-07-27 04:01:13
End at: 2018-07-27 04:01:43
Local clock offset: -0.189 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-27 07:36:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 99.00 Mbit/s
95th percentile per-packet one-way delay: 53.570 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 99.00 Mbit/s
95th percentile per-packet one-way delay: 53.570 ms
Loss rate: 0.40%

Run 5: Report of PCC-Expr — Data Link

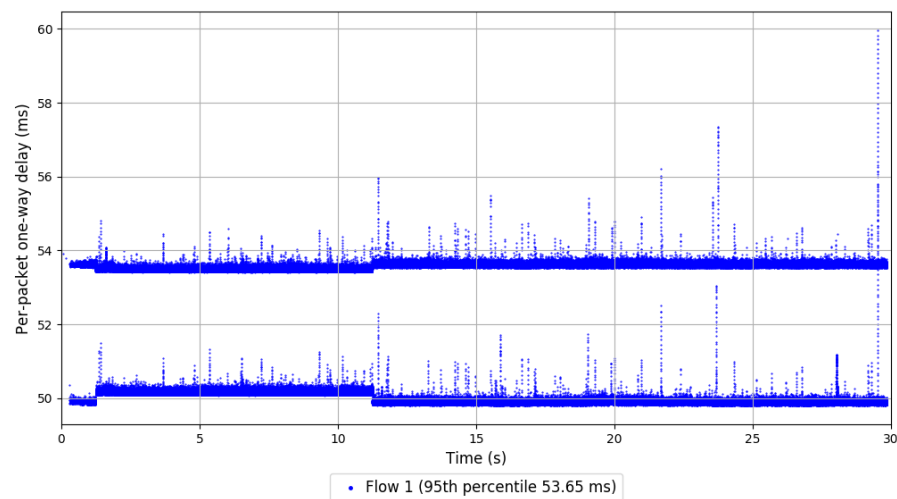
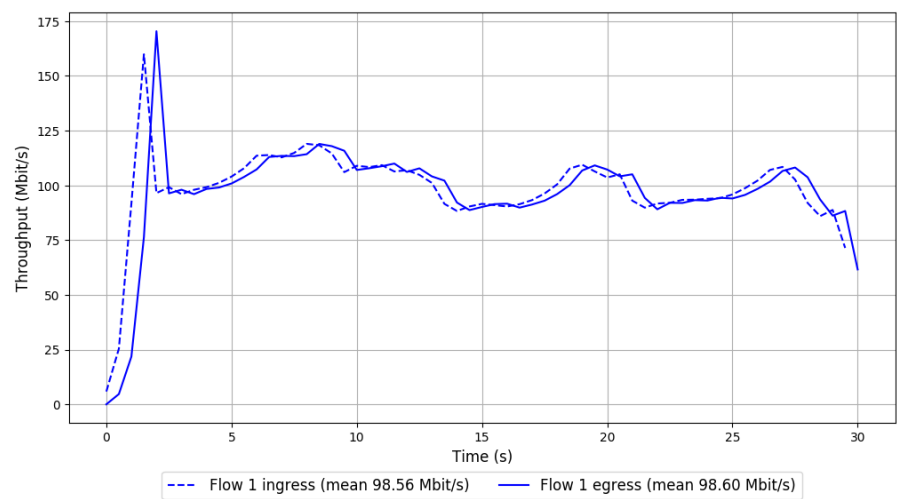


Run 6: Statistics of PCC-Expr

Start at: 2018-07-27 04:22:46
End at: 2018-07-27 04:23:16
Local clock offset: -0.134 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-07-27 07:36:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 98.60 Mbit/s
95th percentile per-packet one-way delay: 53.652 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 98.60 Mbit/s
95th percentile per-packet one-way delay: 53.652 ms
Loss rate: 0.32%

Run 6: Report of PCC-Expr — Data Link

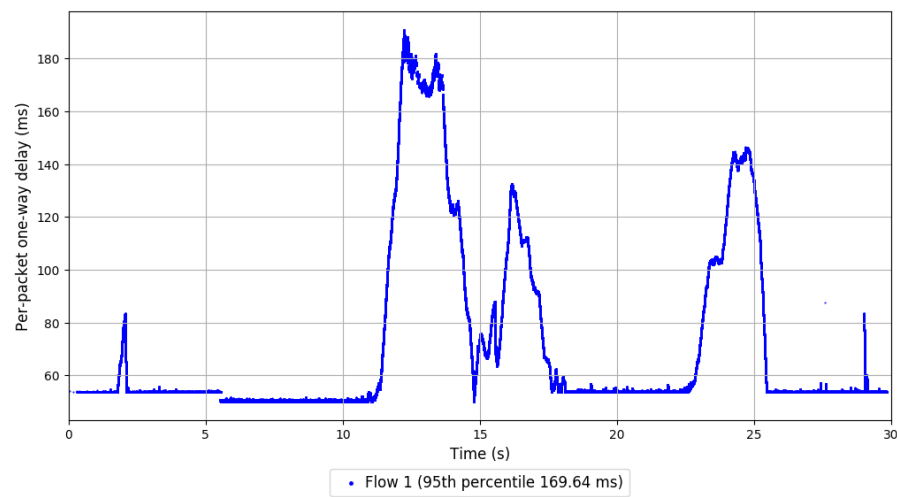
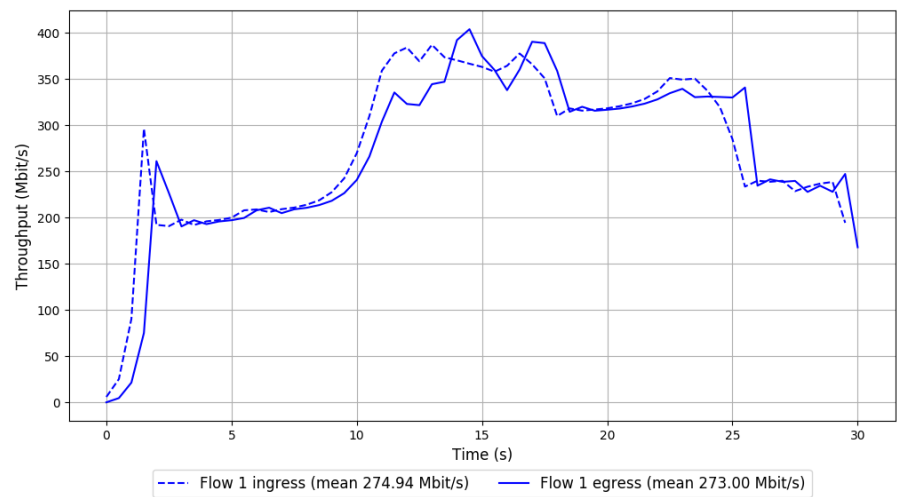


Run 7: Statistics of PCC-Expr

Start at: 2018-07-27 04:44:42
End at: 2018-07-27 04:45:12
Local clock offset: -0.166 ms
Remote clock offset: -0.393 ms

Below is generated by plot.py at 2018-07-27 07:39:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 273.00 Mbit/s
95th percentile per-packet one-way delay: 169.640 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 273.00 Mbit/s
95th percentile per-packet one-way delay: 169.640 ms
Loss rate: 1.07%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-27 05:06:40

End at: 2018-07-27 05:07:10

Local clock offset: 0.048 ms

Remote clock offset: 1.177 ms

Below is generated by plot.py at 2018-07-27 07:39:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.58 Mbit/s

95th percentile per-packet one-way delay: 180.128 ms

Loss rate: 1.22%

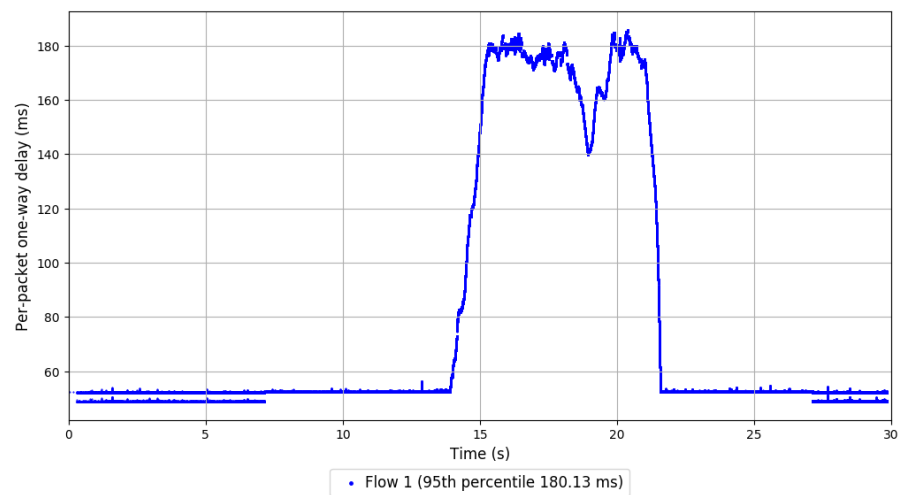
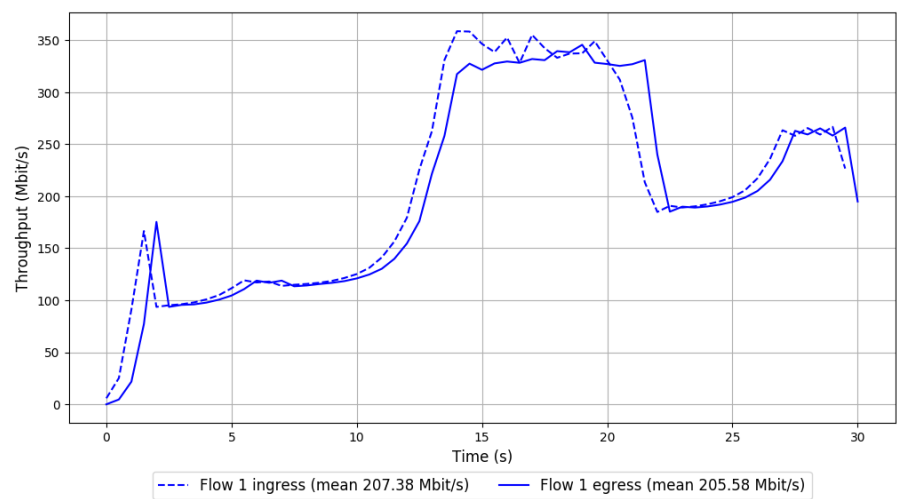
-- Flow 1:

Average throughput: 205.58 Mbit/s

95th percentile per-packet one-way delay: 180.128 ms

Loss rate: 1.22%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-27 05:28:23

End at: 2018-07-27 05:28:53

Local clock offset: 0.233 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2018-07-27 07:44:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 319.25 Mbit/s

95th percentile per-packet one-way delay: 199.072 ms

Loss rate: 8.23%

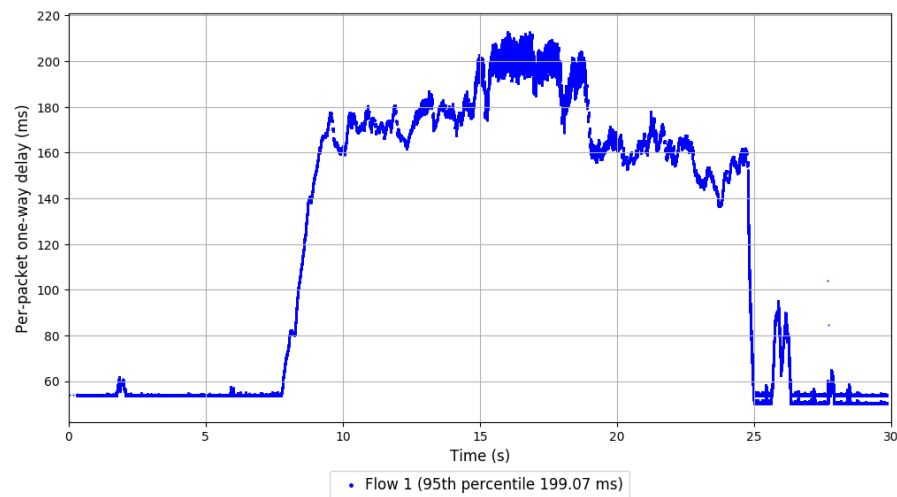
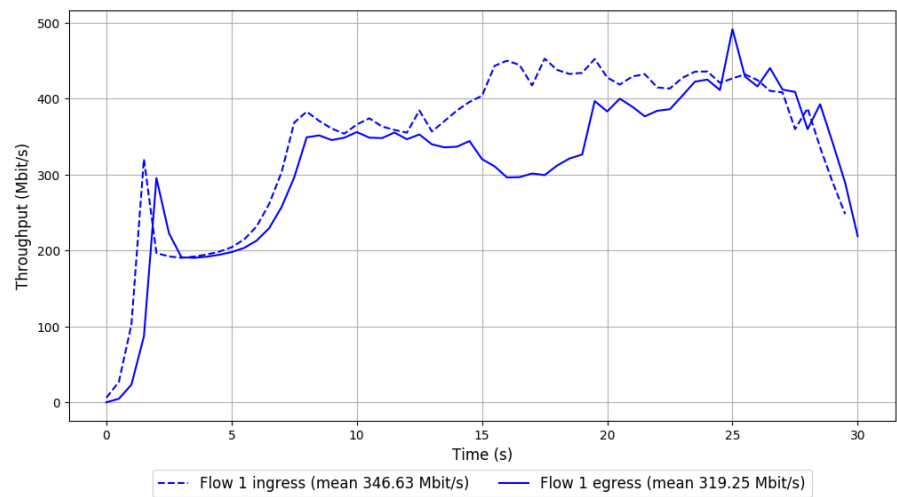
-- Flow 1:

Average throughput: 319.25 Mbit/s

95th percentile per-packet one-way delay: 199.072 ms

Loss rate: 8.23%

Run 9: Report of PCC-Expr — Data Link

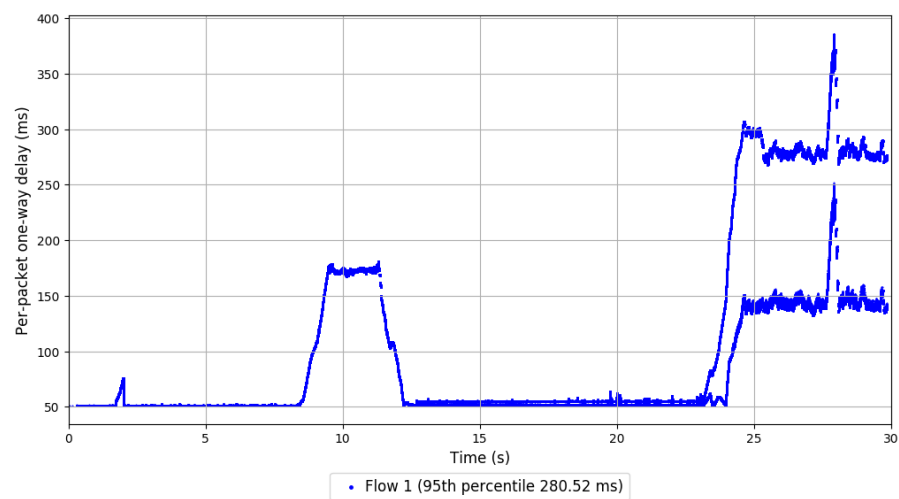
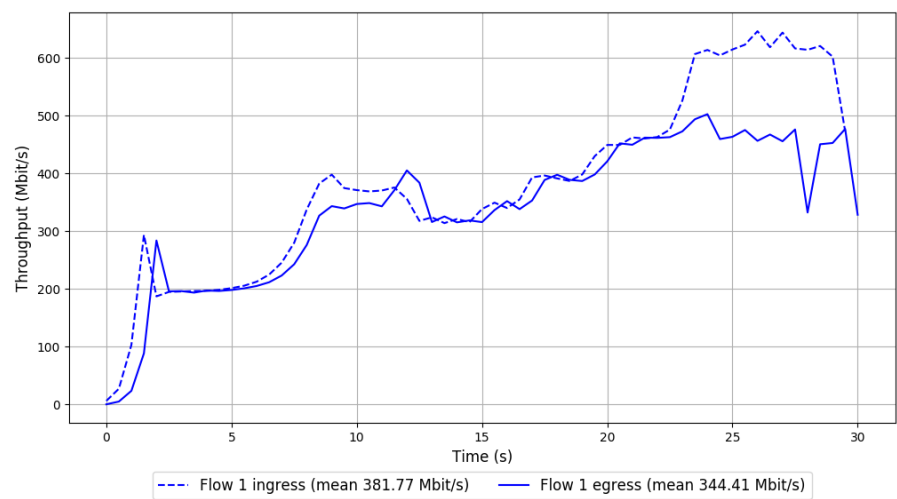


Run 10: Statistics of PCC-Expr

Start at: 2018-07-27 05:50:15
End at: 2018-07-27 05:50:45
Local clock offset: -0.043 ms
Remote clock offset: -1.213 ms

Below is generated by plot.py at 2018-07-27 07:45:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 344.41 Mbit/s
95th percentile per-packet one-way delay: 280.523 ms
Loss rate: 10.10%
-- Flow 1:
Average throughput: 344.41 Mbit/s
95th percentile per-packet one-way delay: 280.523 ms
Loss rate: 10.10%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-27 02:29:48

End at: 2018-07-27 02:30:18

Local clock offset: -0.184 ms

Remote clock offset: -0.203 ms

Below is generated by plot.py at 2018-07-27 07:45:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.05 Mbit/s

95th percentile per-packet one-way delay: 53.783 ms

Loss rate: 0.58%

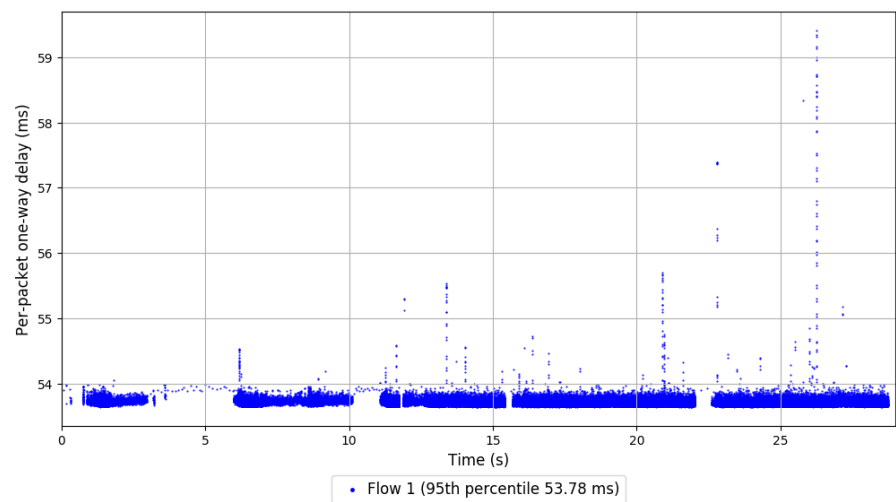
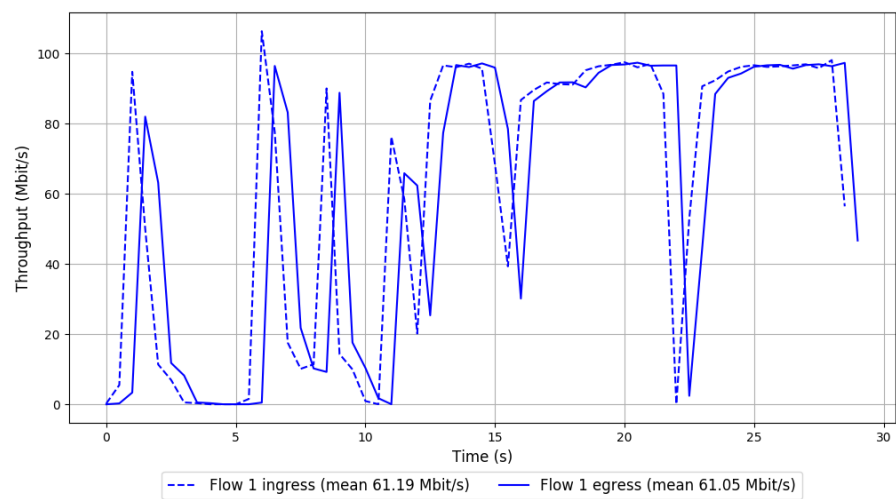
-- Flow 1:

Average throughput: 61.05 Mbit/s

95th percentile per-packet one-way delay: 53.783 ms

Loss rate: 0.58%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

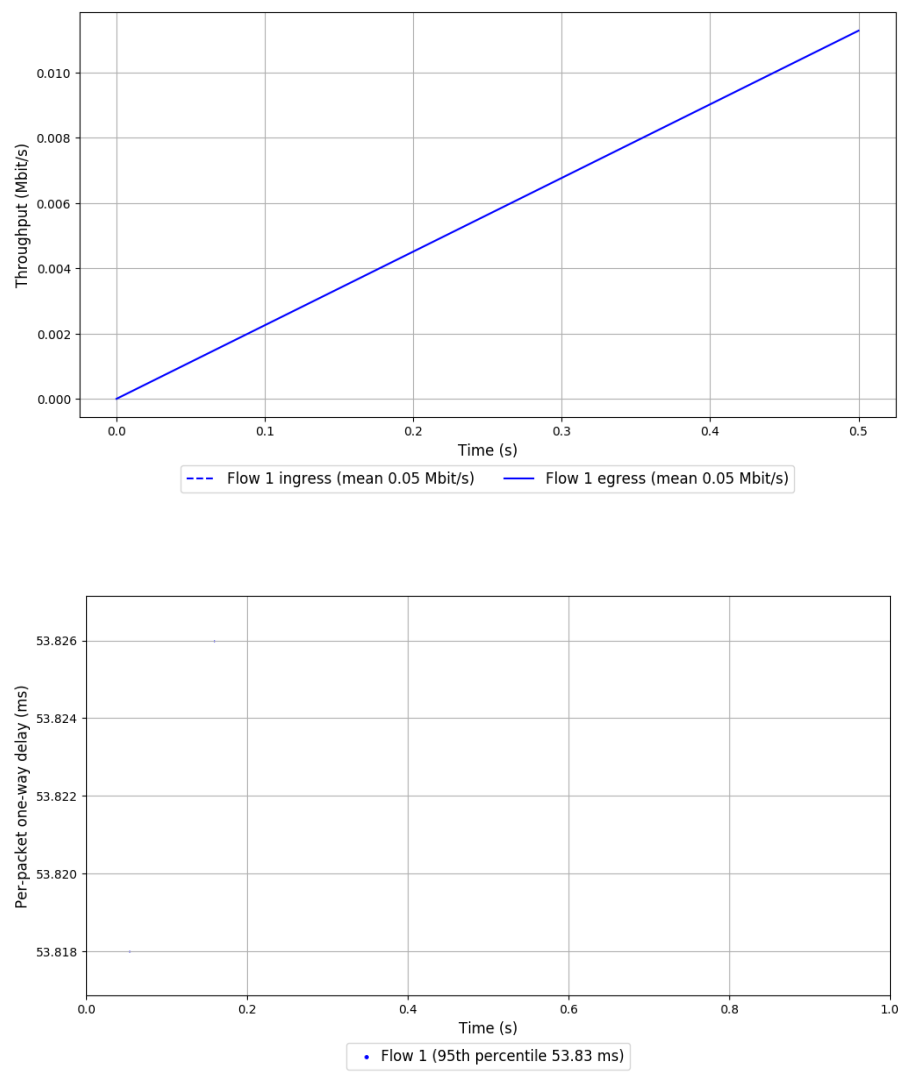
Start at: 2018-07-27 02:51:38

End at: 2018-07-27 02:52:08

Local clock offset: 0.036 ms

Remote clock offset: -0.027 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-27 03:13:21

End at: 2018-07-27 03:13:51

Local clock offset: -0.307 ms

Remote clock offset: 0.106 ms

Below is generated by plot.py at 2018-07-27 07:45:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.26 Mbit/s

95th percentile per-packet one-way delay: 53.407 ms

Loss rate: 0.57%

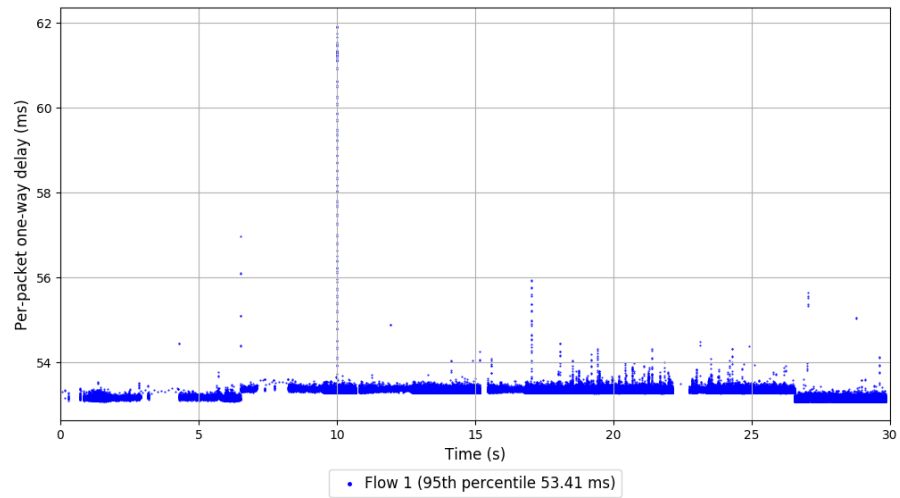
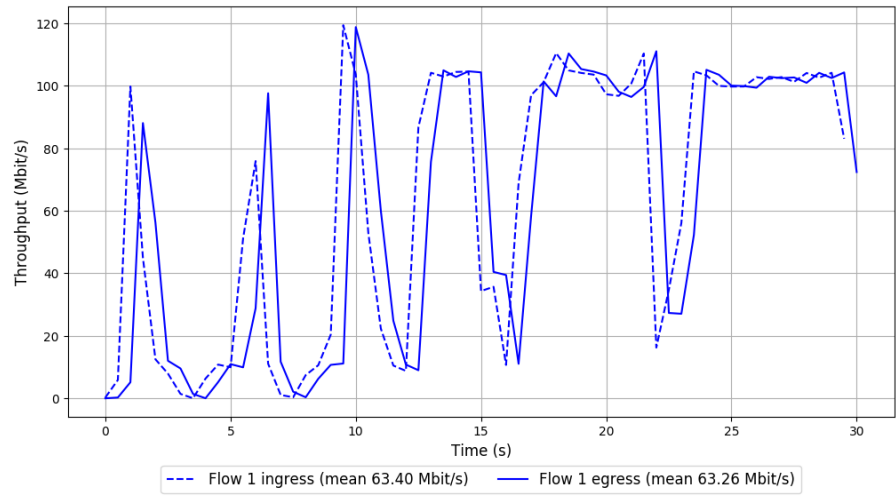
-- Flow 1:

Average throughput: 63.26 Mbit/s

95th percentile per-packet one-way delay: 53.407 ms

Loss rate: 0.57%

Run 3: Report of QUIC Cubic — Data Link

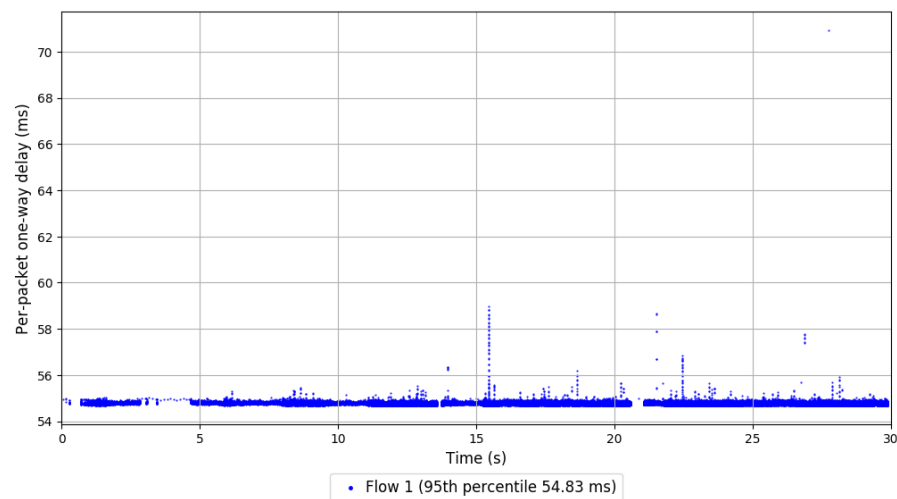
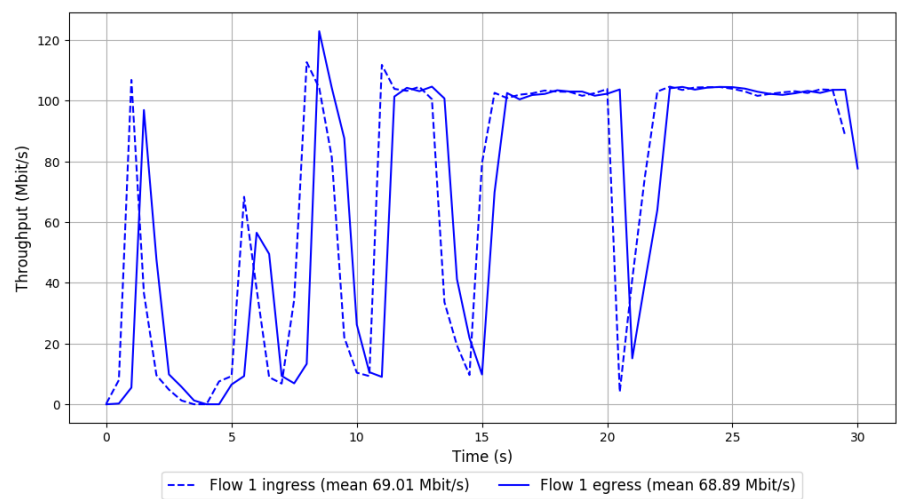


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-27 03:34:47
End at: 2018-07-27 03:35:17
Local clock offset: -0.192 ms
Remote clock offset: -1.458 ms

Below is generated by plot.py at 2018-07-27 07:45:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.89 Mbit/s
95th percentile per-packet one-way delay: 54.832 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 68.89 Mbit/s
95th percentile per-packet one-way delay: 54.832 ms
Loss rate: 0.54%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-27 03:56:37

End at: 2018-07-27 03:57:07

Local clock offset: 0.02 ms

Remote clock offset: 0.082 ms

Below is generated by plot.py at 2018-07-27 07:45:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.71 Mbit/s

95th percentile per-packet one-way delay: 53.578 ms

Loss rate: 0.50%

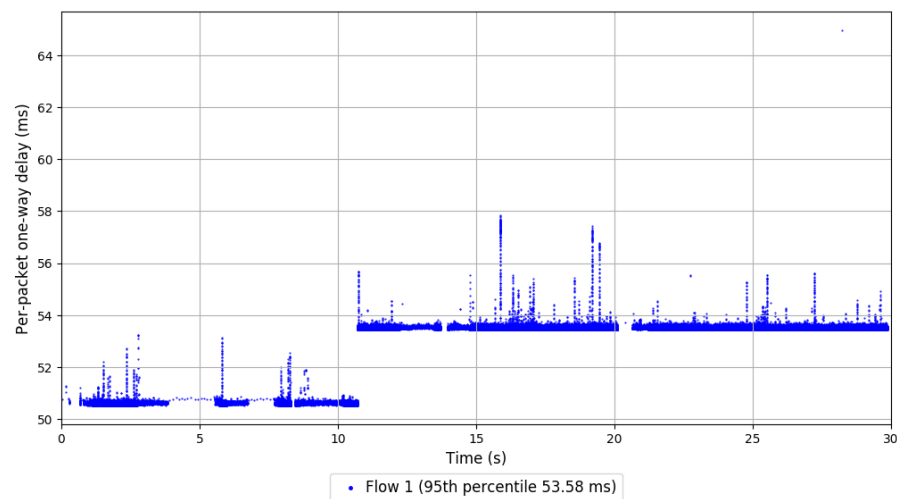
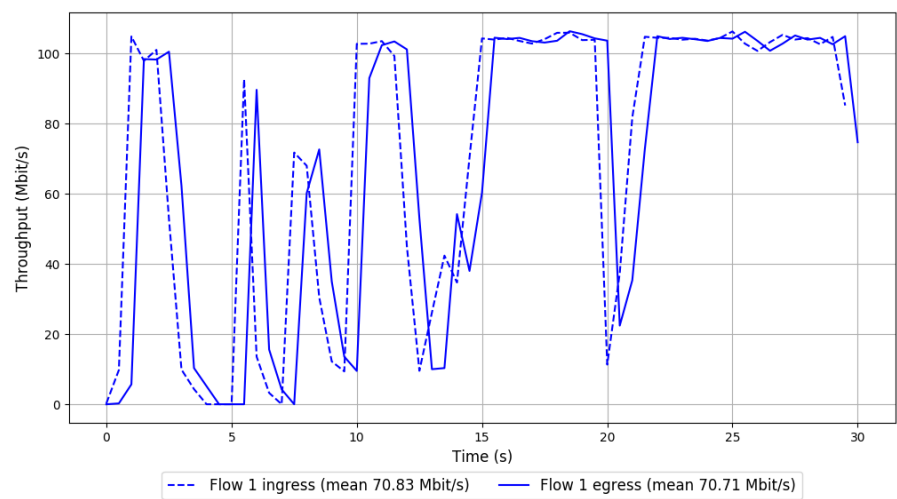
-- Flow 1:

Average throughput: 70.71 Mbit/s

95th percentile per-packet one-way delay: 53.578 ms

Loss rate: 0.50%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-27 04:18:07

End at: 2018-07-27 04:18:37

Local clock offset: 0.073 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-27 07:45:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.41 Mbit/s

95th percentile per-packet one-way delay: 53.625 ms

Loss rate: 0.61%

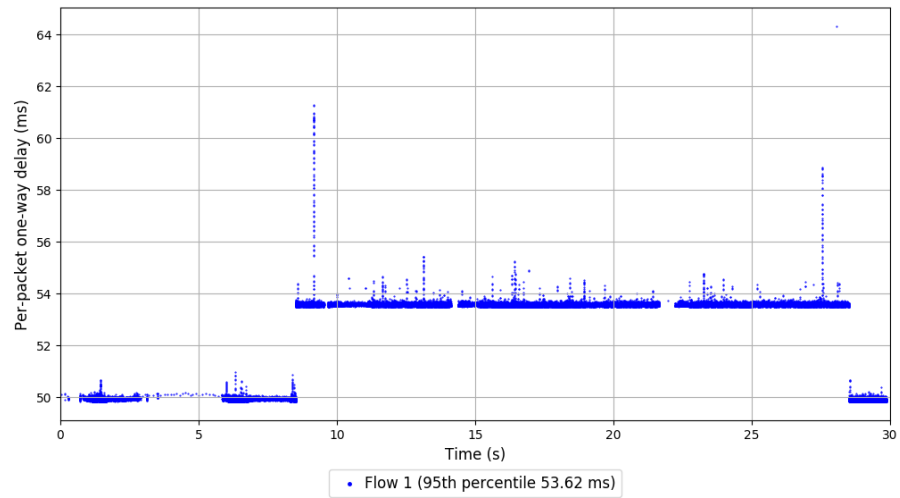
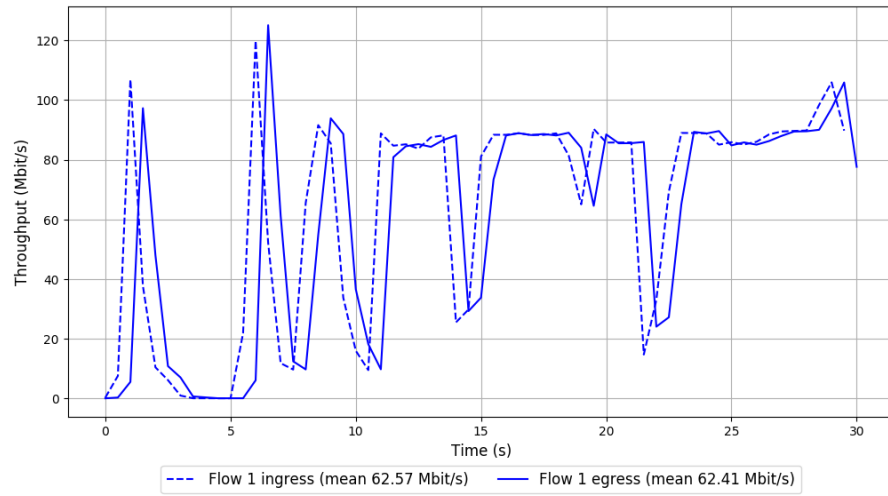
-- Flow 1:

Average throughput: 62.41 Mbit/s

95th percentile per-packet one-way delay: 53.625 ms

Loss rate: 0.61%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-27 04:39:53

End at: 2018-07-27 04:40:23

Local clock offset: 0.019 ms

Remote clock offset: -0.332 ms

Below is generated by plot.py at 2018-07-27 07:45:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.73 Mbit/s

95th percentile per-packet one-way delay: 53.950 ms

Loss rate: 0.62%

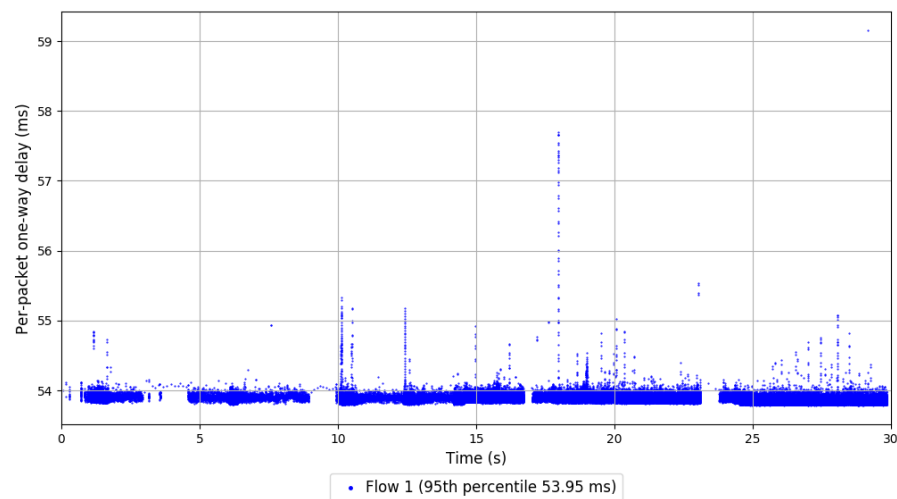
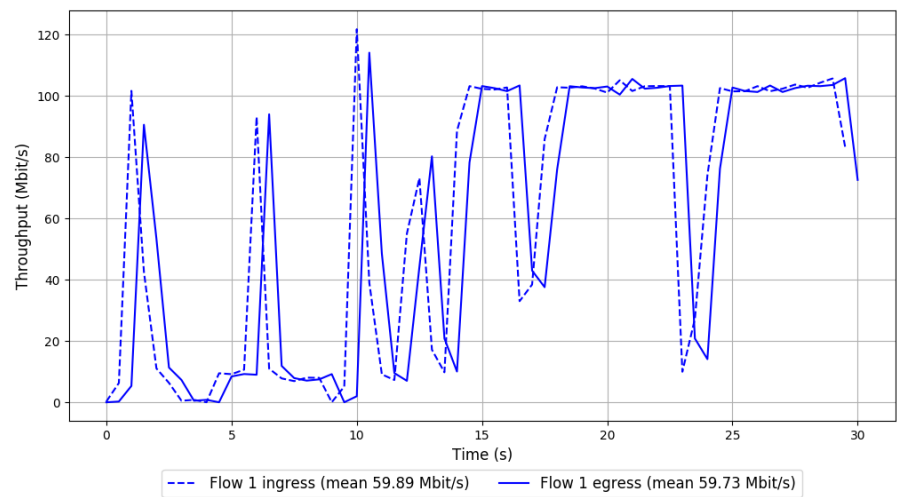
-- Flow 1:

Average throughput: 59.73 Mbit/s

95th percentile per-packet one-way delay: 53.950 ms

Loss rate: 0.62%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-27 05:02:04

End at: 2018-07-27 05:02:34

Local clock offset: 0.064 ms

Remote clock offset: -1.34 ms

Below is generated by plot.py at 2018-07-27 07:45:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.39 Mbit/s

95th percentile per-packet one-way delay: 54.676 ms

Loss rate: 0.60%

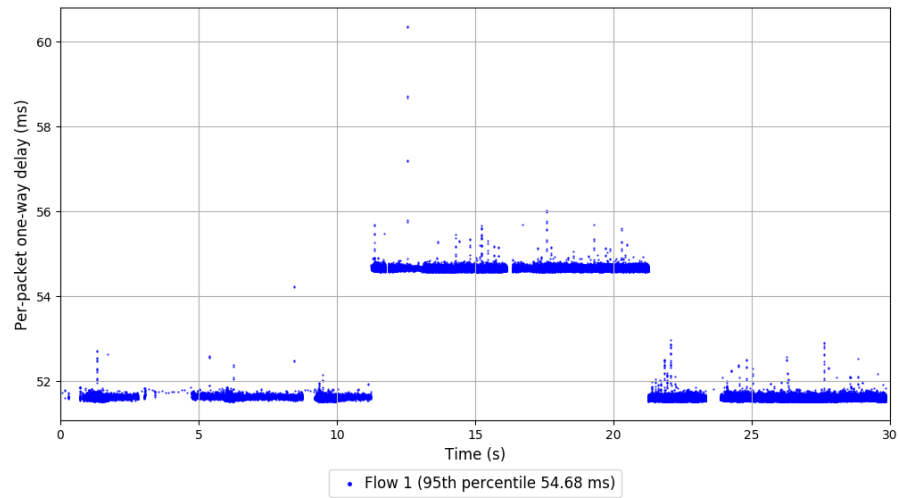
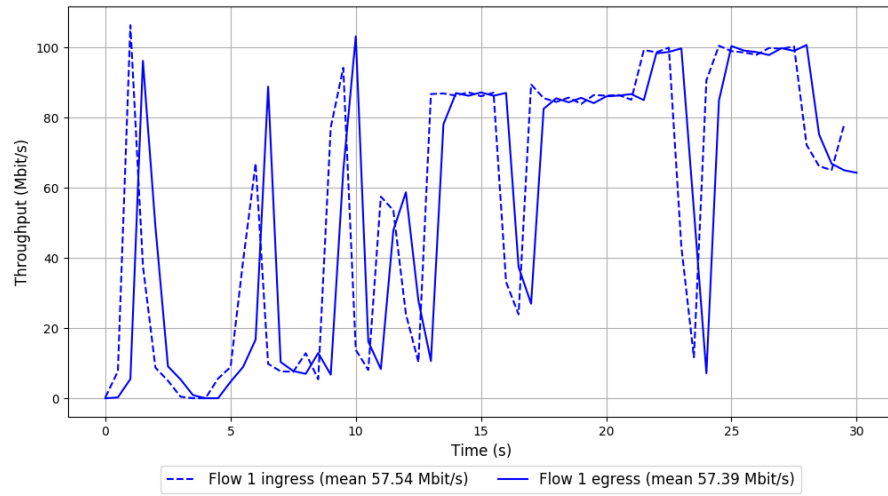
-- Flow 1:

Average throughput: 57.39 Mbit/s

95th percentile per-packet one-way delay: 54.676 ms

Loss rate: 0.60%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-27 05:23:46

End at: 2018-07-27 05:24:16

Local clock offset: -0.117 ms

Remote clock offset: -0.972 ms

Below is generated by plot.py at 2018-07-27 07:45:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.42 Mbit/s

95th percentile per-packet one-way delay: 51.626 ms

Loss rate: 0.60%

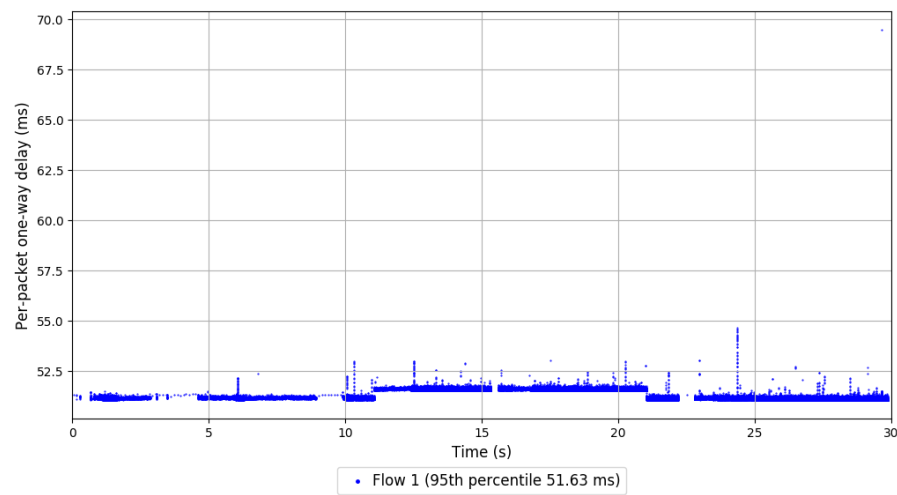
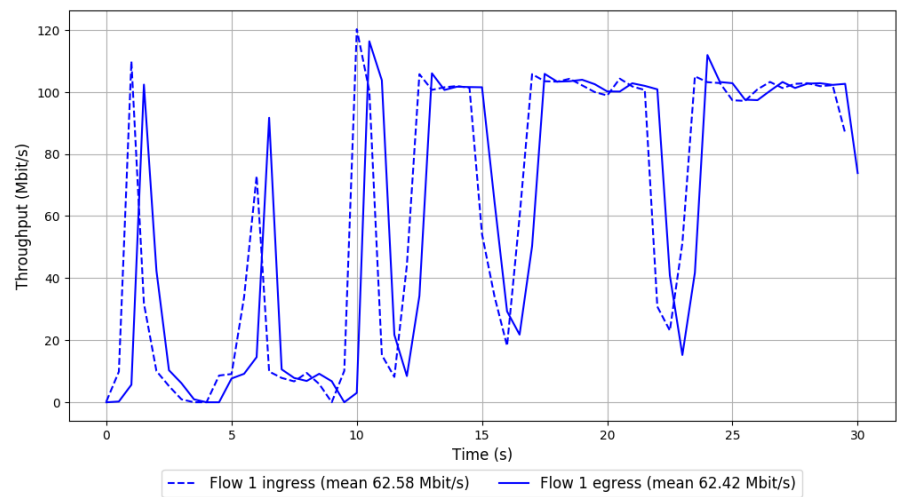
-- Flow 1:

Average throughput: 62.42 Mbit/s

95th percentile per-packet one-way delay: 51.626 ms

Loss rate: 0.60%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-27 05:45:24

End at: 2018-07-27 05:45:54

Local clock offset: 0.083 ms

Remote clock offset: 0.211 ms

Below is generated by plot.py at 2018-07-27 07:45:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.79 Mbit/s

95th percentile per-packet one-way delay: 53.487 ms

Loss rate: 0.56%

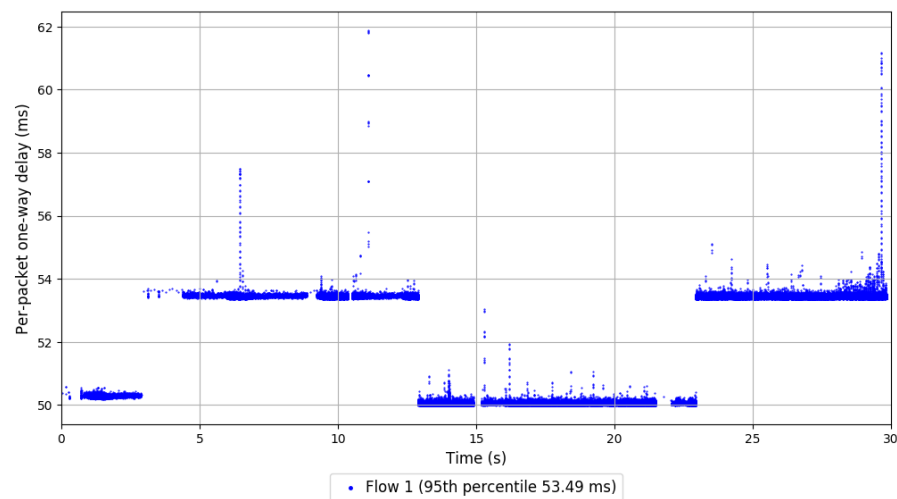
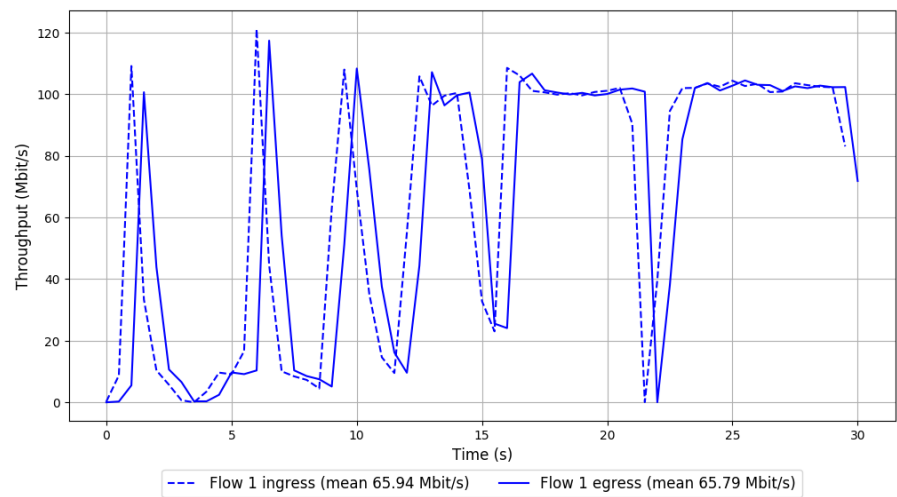
-- Flow 1:

Average throughput: 65.79 Mbit/s

95th percentile per-packet one-way delay: 53.487 ms

Loss rate: 0.56%

Run 10: Report of QUIC Cubic — Data Link

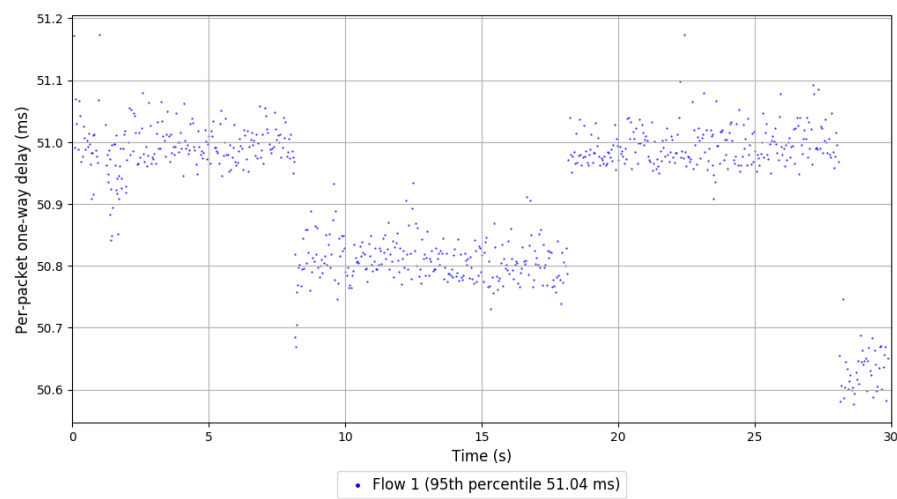
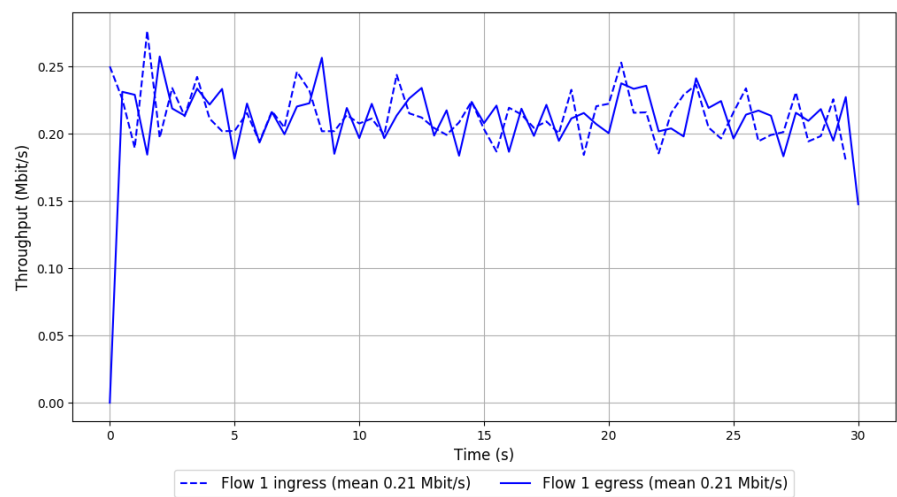


Run 1: Statistics of SCReAM

Start at: 2018-07-27 02:33:29
End at: 2018-07-27 02:33:59
Local clock offset: 0.028 ms
Remote clock offset: -0.242 ms

Below is generated by plot.py at 2018-07-27 07:45:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 51.039 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 51.039 ms
Loss rate: 0.38%

Run 1: Report of SReAM — Data Link

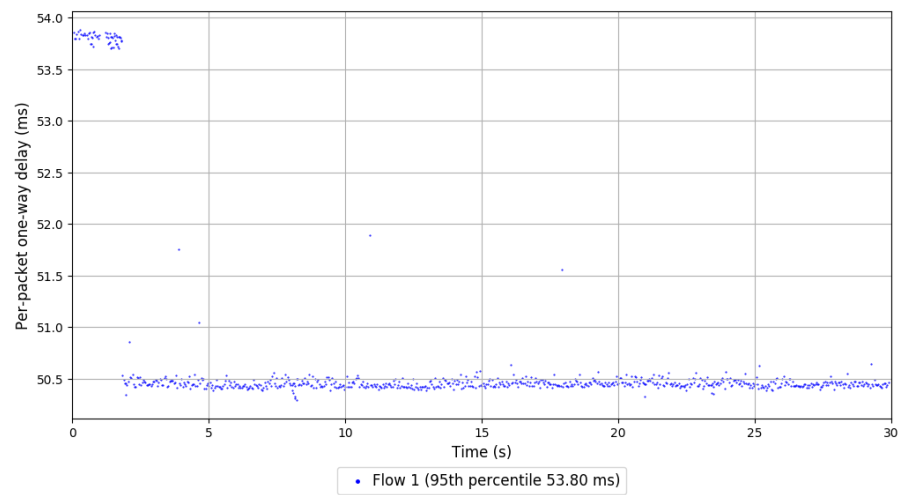
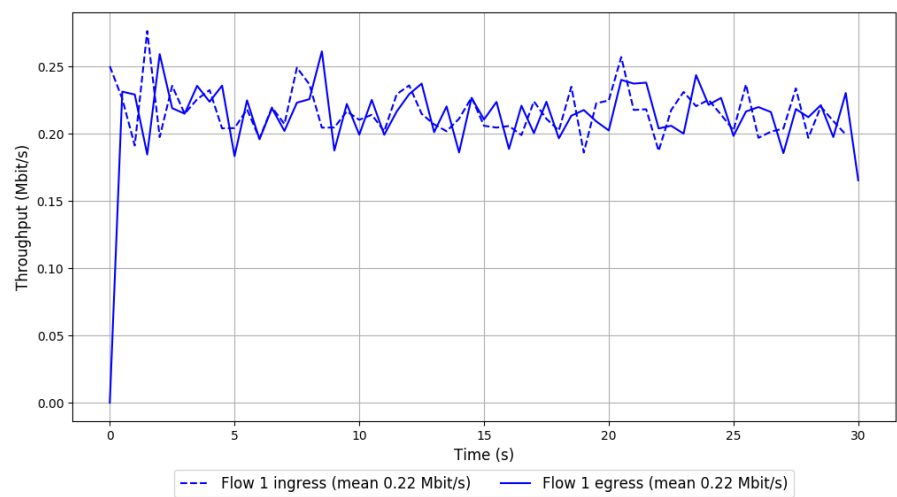


Run 2: Statistics of SCReAM

Start at: 2018-07-27 02:55:16
End at: 2018-07-27 02:55:46
Local clock offset: -0.141 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-07-27 07:45:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.795 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.795 ms
Loss rate: 0.39%

Run 2: Report of SReAM — Data Link

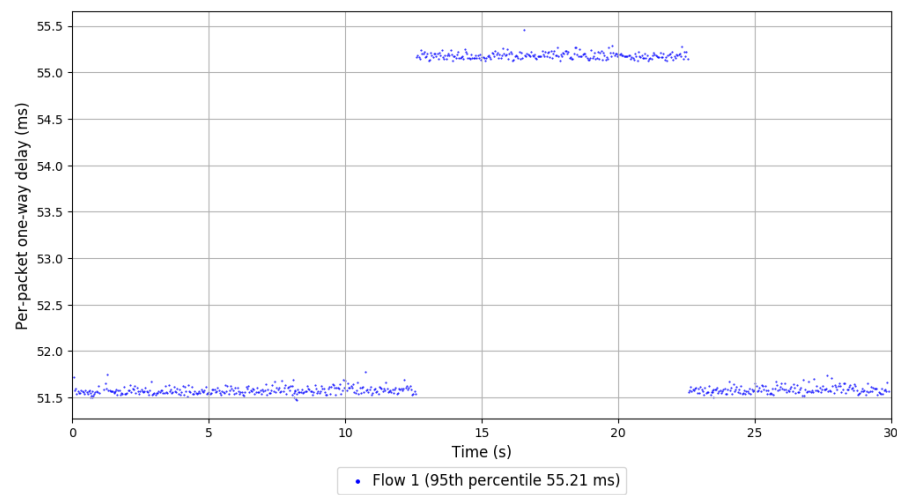
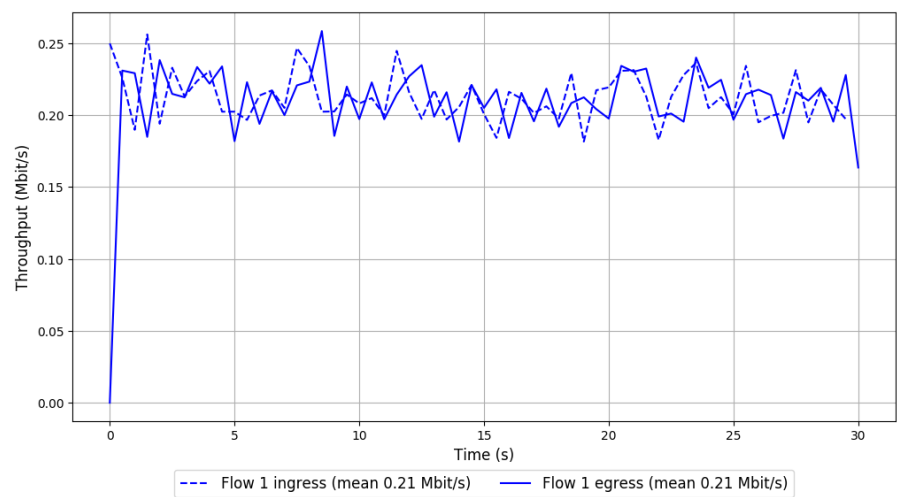


Run 3: Statistics of SCReAM

Start at: 2018-07-27 03:16:53
End at: 2018-07-27 03:17:23
Local clock offset: 0.199 ms
Remote clock offset: -1.232 ms

Below is generated by plot.py at 2018-07-27 07:45:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 55.214 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 55.214 ms
Loss rate: 0.39%

Run 3: Report of SReAM — Data Link

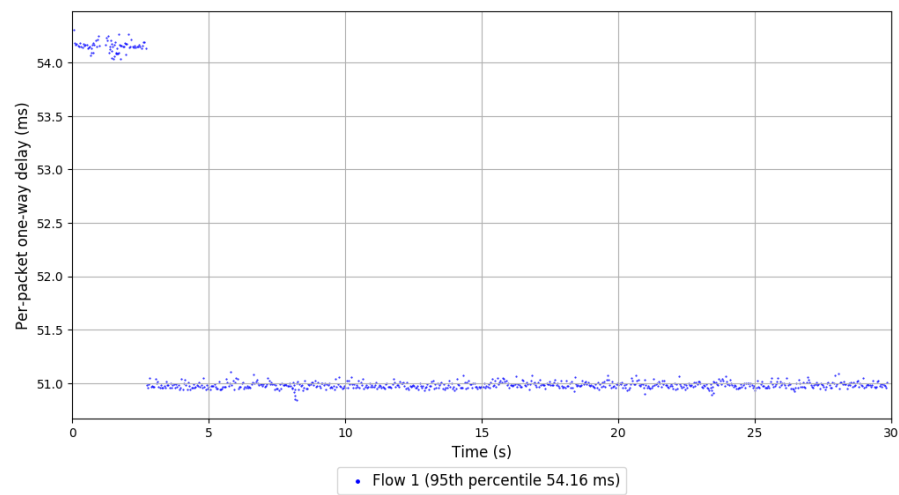
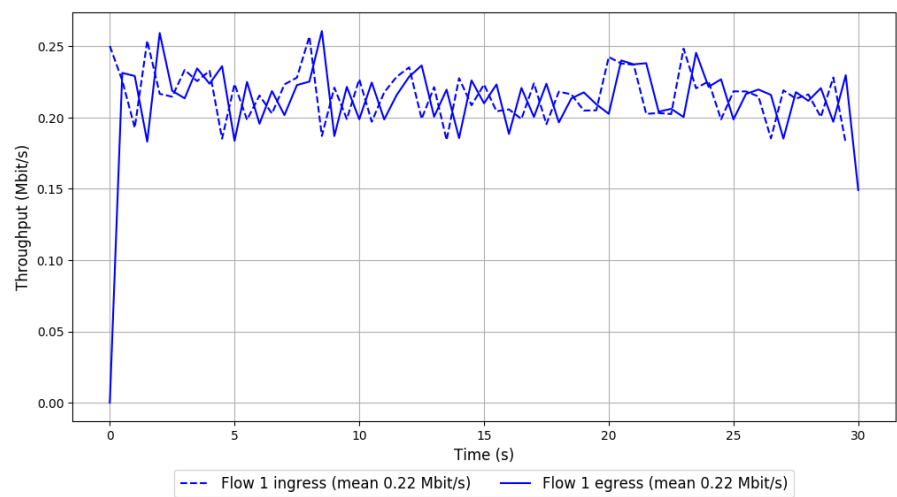


Run 4: Statistics of SCReAM

Start at: 2018-07-27 03:38:23
End at: 2018-07-27 03:38:53
Local clock offset: 0.071 ms
Remote clock offset: -0.391 ms

Below is generated by plot.py at 2018-07-27 07:45:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.156 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.156 ms
Loss rate: 0.38%

Run 4: Report of SReAM — Data Link

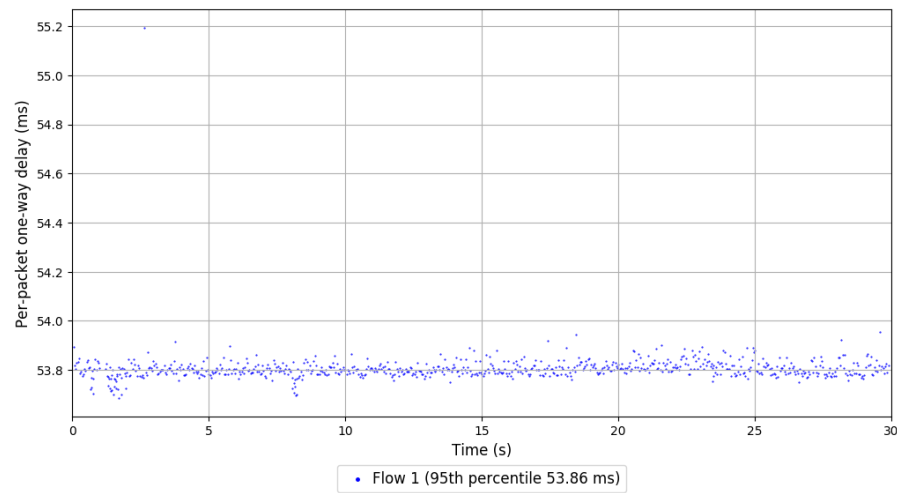
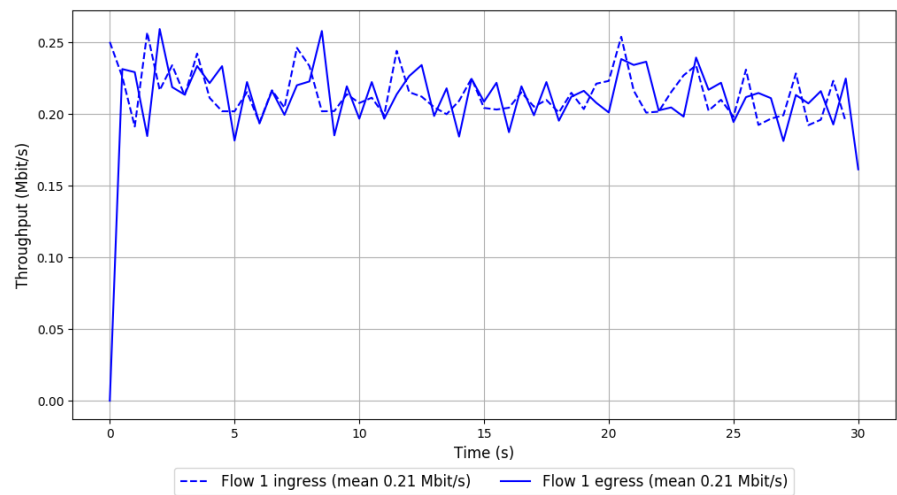


Run 5: Statistics of SCReAM

Start at: 2018-07-27 04:00:08
End at: 2018-07-27 04:00:38
Local clock offset: -0.103 ms
Remote clock offset: -0.248 ms

Below is generated by plot.py at 2018-07-27 07:45:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.858 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.858 ms
Loss rate: 0.38%

Run 5: Report of SReAM — Data Link

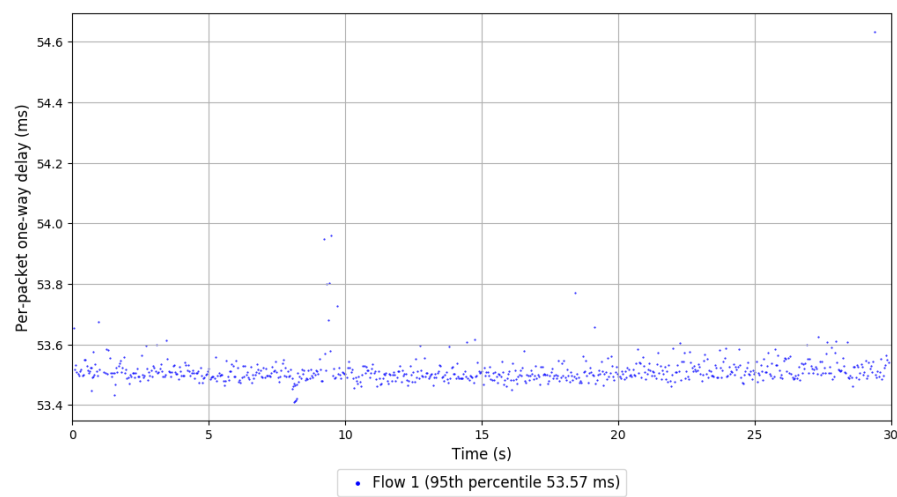
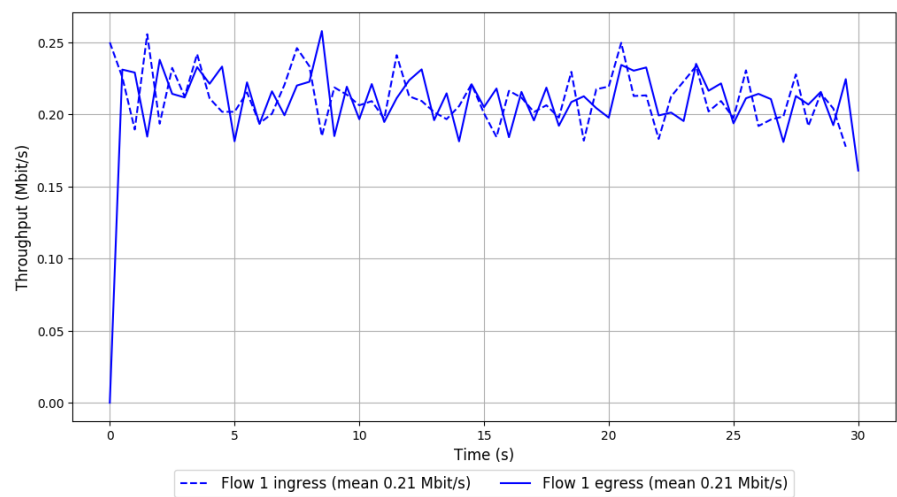


Run 6: Statistics of SCReAM

Start at: 2018-07-27 04:21:41
End at: 2018-07-27 04:22:11
Local clock offset: -0.239 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-27 07:45:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.574 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.574 ms
Loss rate: 0.26%

Run 6: Report of SReAM — Data Link

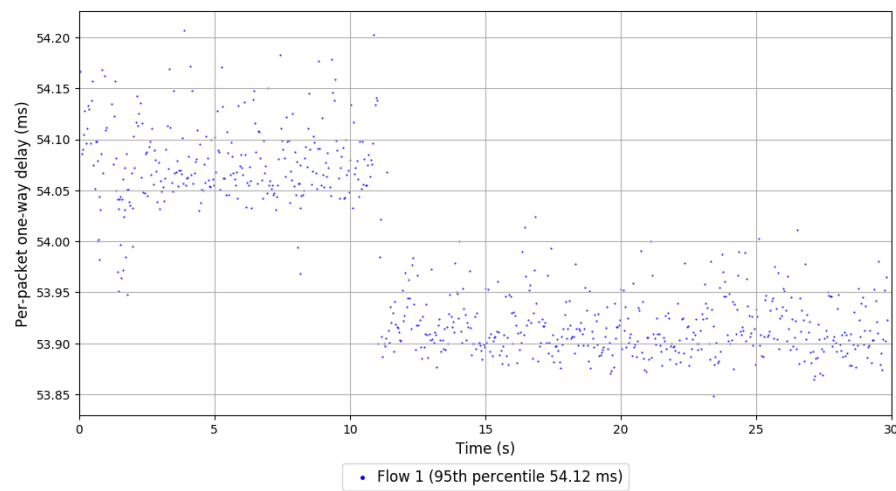
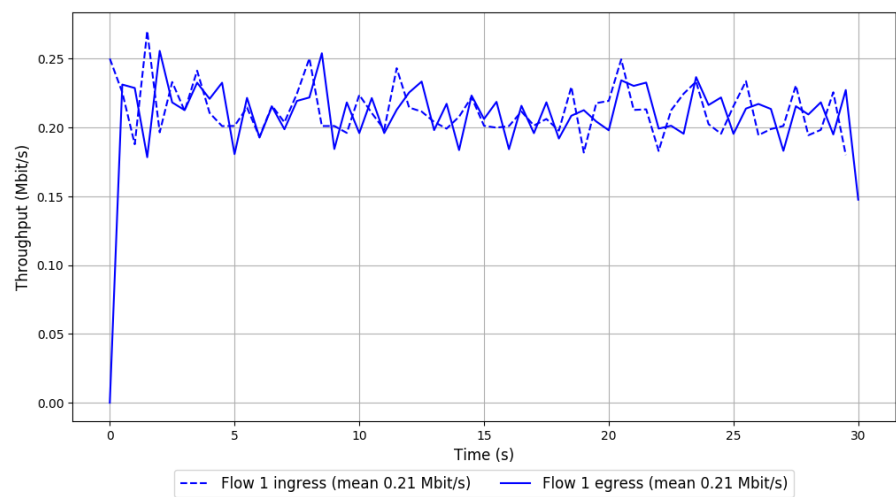


Run 7: Statistics of SCReAM

Start at: 2018-07-27 04:43:36
End at: 2018-07-27 04:44:06
Local clock offset: -0.009 ms
Remote clock offset: -0.197 ms

Below is generated by plot.py at 2018-07-27 07:45:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.125 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.125 ms
Loss rate: 0.38%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-07-27 05:05:35

End at: 2018-07-27 05:06:05

Local clock offset: -0.059 ms

Remote clock offset: 1.289 ms

Below is generated by plot.py at 2018-07-27 07:45:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 52.653 ms

Loss rate: 0.38%

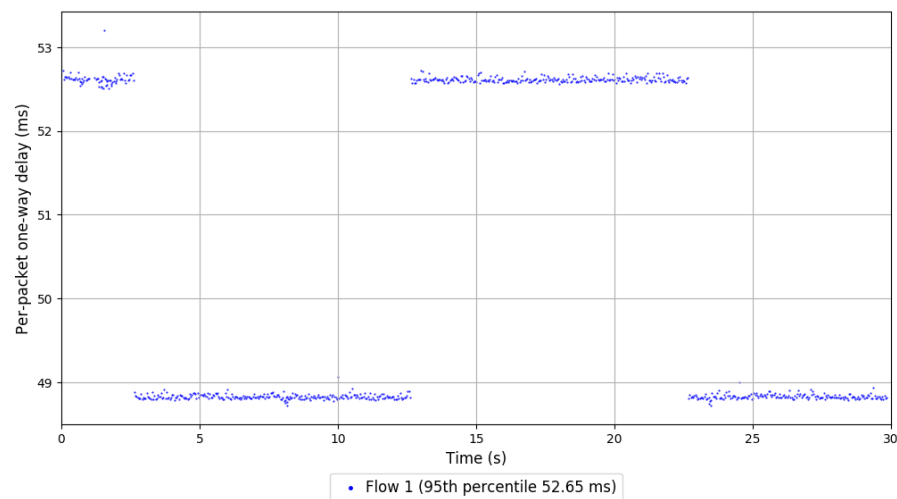
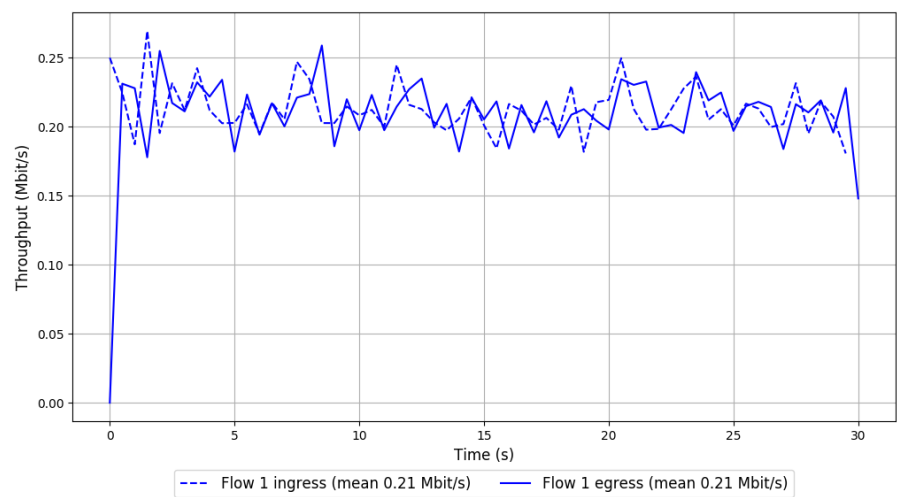
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 52.653 ms

Loss rate: 0.38%

Run 8: Report of SReAM — Data Link

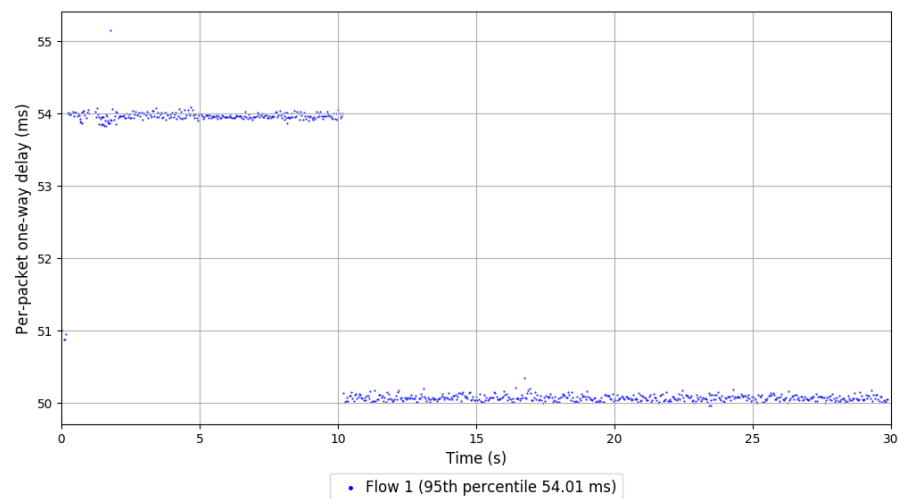
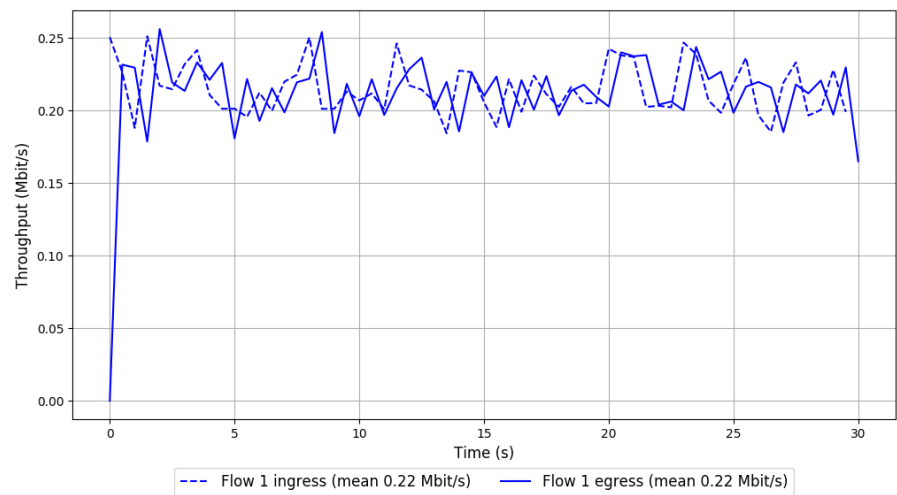


Run 9: Statistics of SCReAM

Start at: 2018-07-27 05:27:17
End at: 2018-07-27 05:27:47
Local clock offset: -0.09 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-27 07:45:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.010 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.010 ms
Loss rate: 0.39%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-27 05:49:09

End at: 2018-07-27 05:49:39

Local clock offset: -0.019 ms

Remote clock offset: 0.183 ms

Below is generated by plot.py at 2018-07-27 07:45:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.387 ms

Loss rate: 0.39%

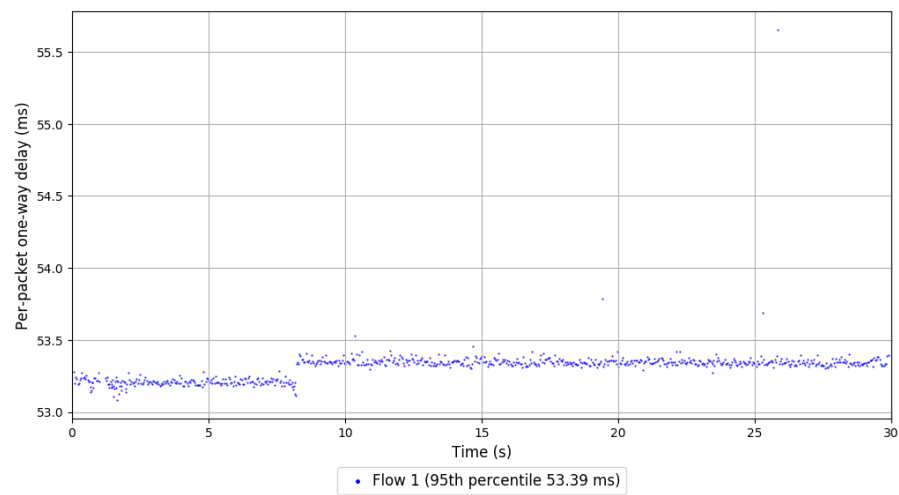
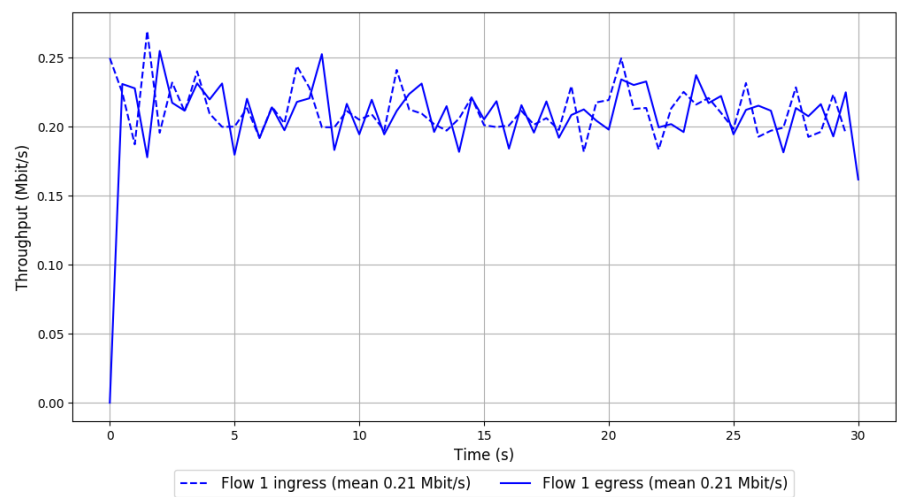
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.387 ms

Loss rate: 0.39%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-27 02:19:57

End at: 2018-07-27 02:20:27

Local clock offset: -0.065 ms

Remote clock offset: 1.27 ms

Below is generated by plot.py at 2018-07-27 07:45:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.50 Mbit/s

95th percentile per-packet one-way delay: 49.831 ms

Loss rate: 0.16%

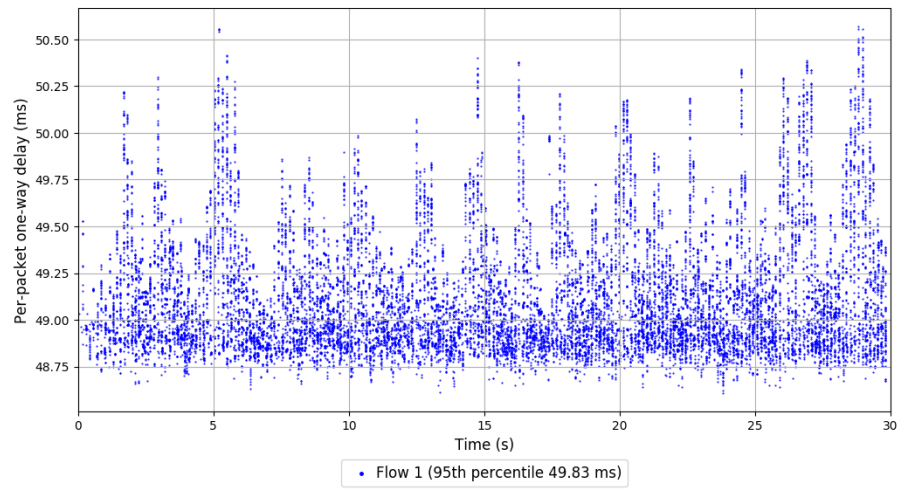
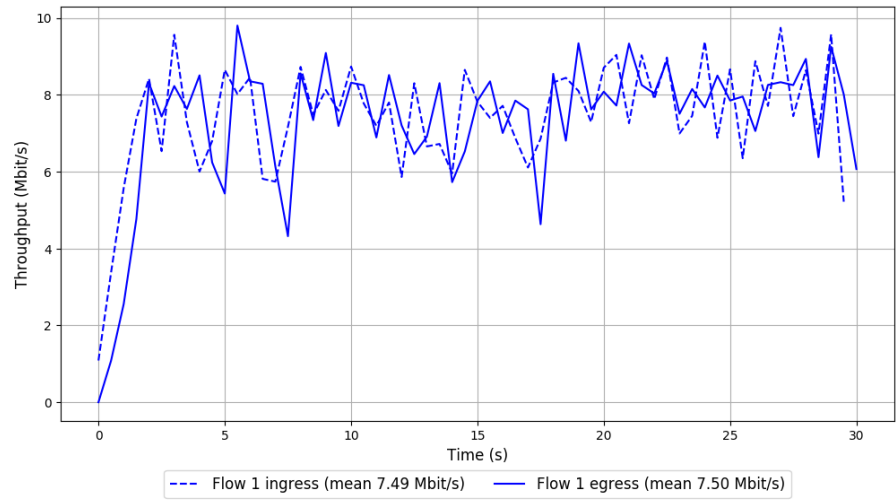
-- Flow 1:

Average throughput: 7.50 Mbit/s

95th percentile per-packet one-way delay: 49.831 ms

Loss rate: 0.16%

Run 1: Report of Sprout — Data Link

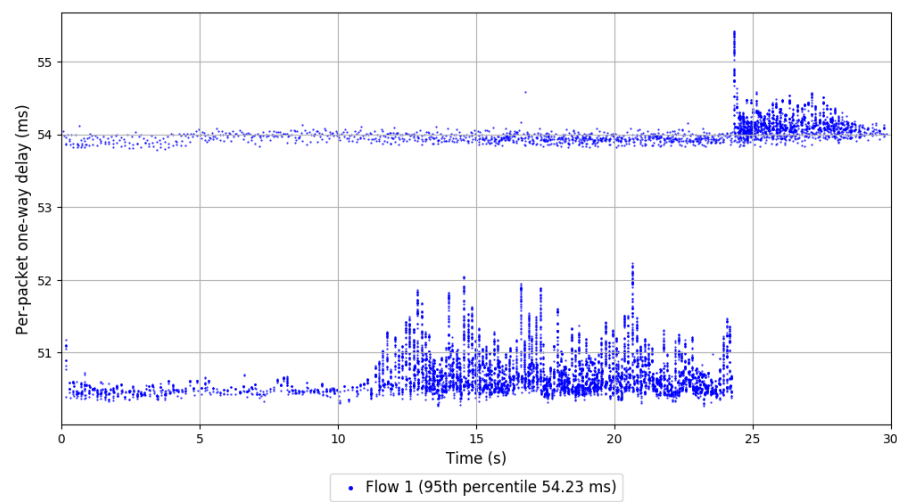
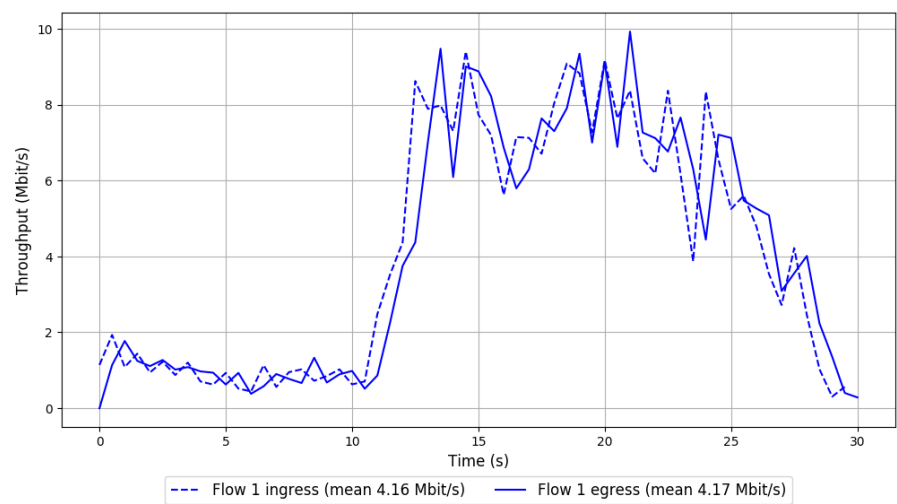


Run 2: Statistics of Sprout

Start at: 2018-07-27 02:41:43
End at: 2018-07-27 02:42:13
Local clock offset: 0.049 ms
Remote clock offset: -0.251 ms

Below is generated by plot.py at 2018-07-27 07:45:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.17 Mbit/s
95th percentile per-packet one-way delay: 54.226 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 4.17 Mbit/s
95th percentile per-packet one-way delay: 54.226 ms
Loss rate: 0.11%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-07-27 03:03:24

End at: 2018-07-27 03:03:54

Local clock offset: -0.224 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-27 07:45:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.01 Mbit/s

95th percentile per-packet one-way delay: 54.283 ms

Loss rate: 0.54%

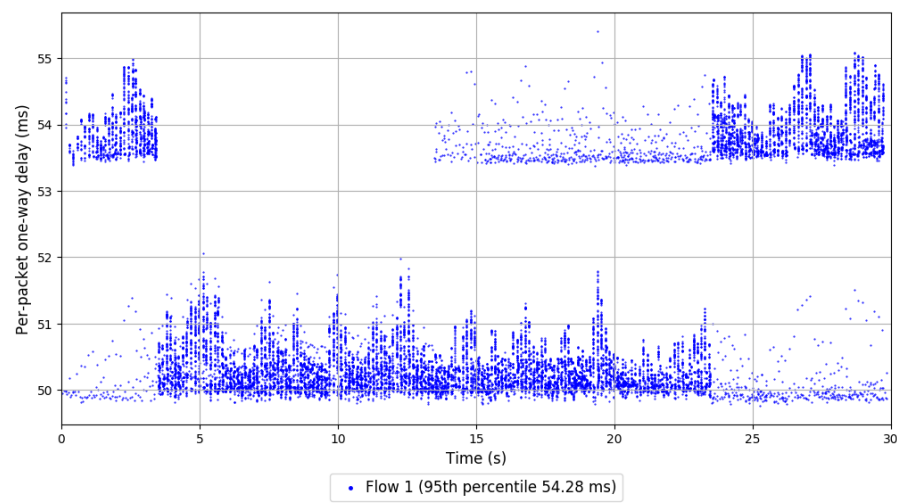
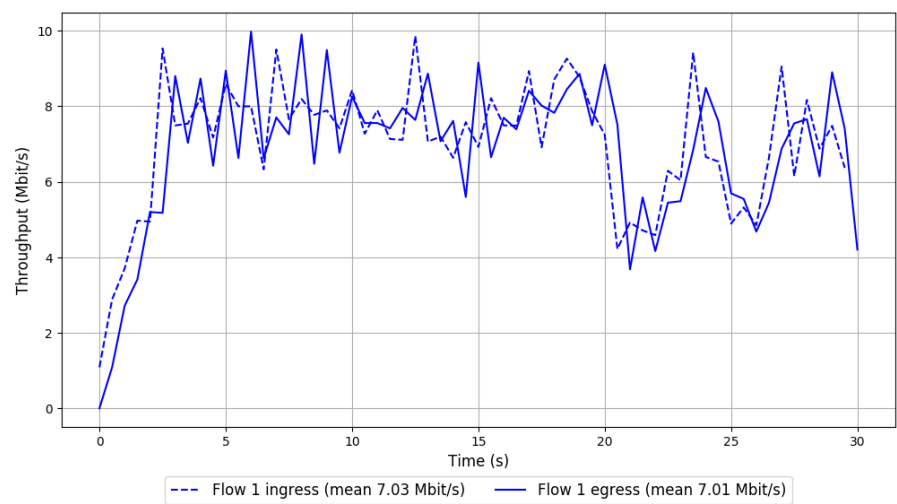
-- Flow 1:

Average throughput: 7.01 Mbit/s

95th percentile per-packet one-way delay: 54.283 ms

Loss rate: 0.54%

Run 3: Report of Sprout — Data Link

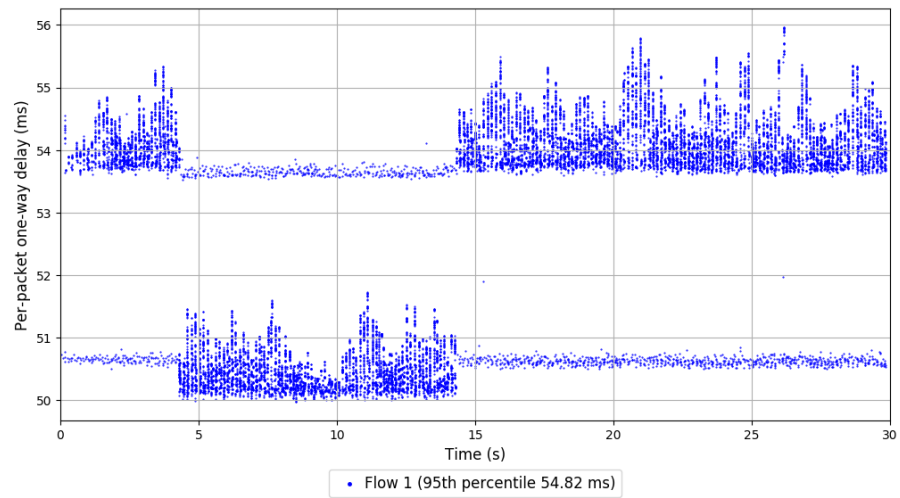
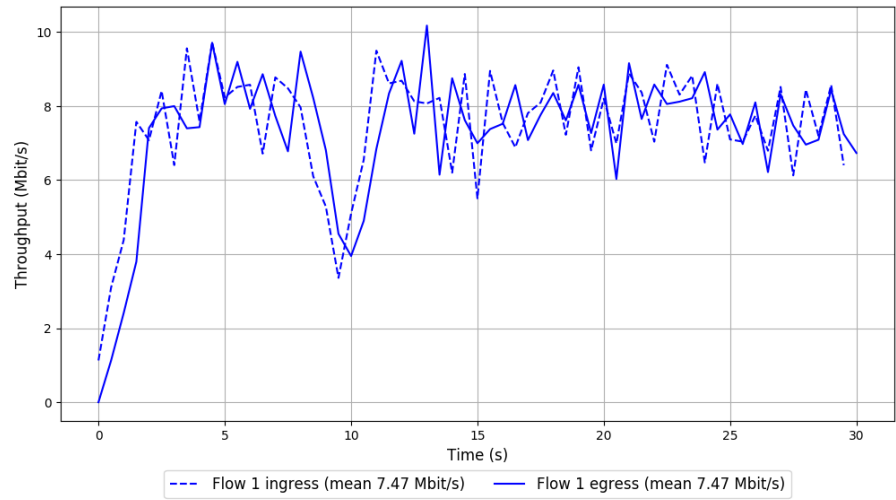


Run 4: Statistics of Sprout

Start at: 2018-07-27 03:24:53
End at: 2018-07-27 03:25:23
Local clock offset: -0.138 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2018-07-27 07:45:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.47 Mbit/s
95th percentile per-packet one-way delay: 54.822 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 7.47 Mbit/s
95th percentile per-packet one-way delay: 54.822 ms
Loss rate: 0.30%

Run 4: Report of Sprout — Data Link

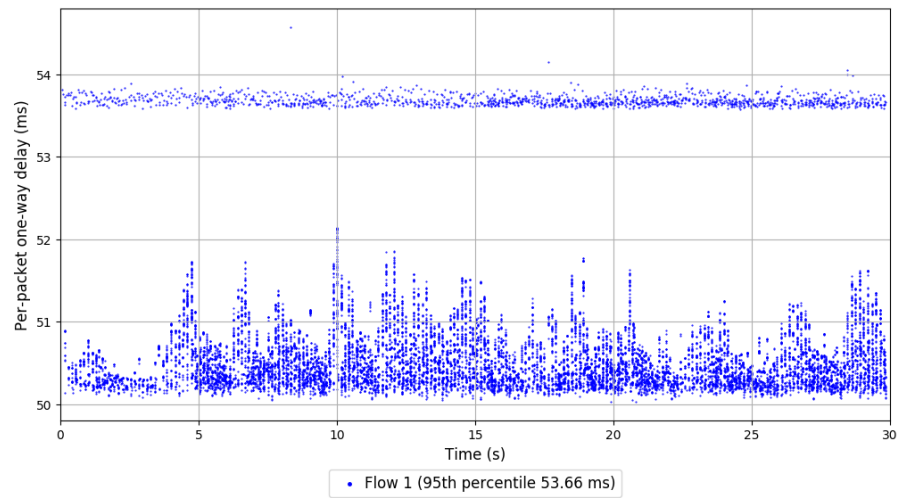
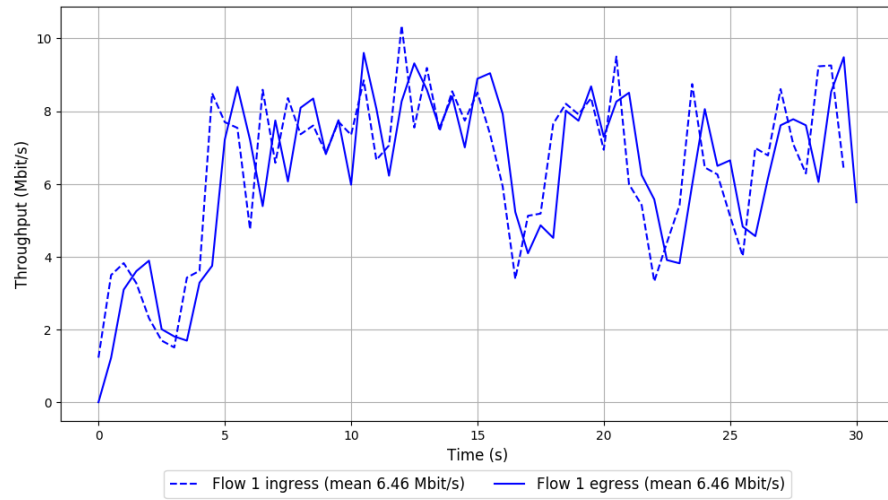


Run 5: Statistics of Sprout

Start at: 2018-07-27 03:46:39
End at: 2018-07-27 03:47:09
Local clock offset: 0.024 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-07-27 07:45:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.46 Mbit/s
95th percentile per-packet one-way delay: 53.660 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 6.46 Mbit/s
95th percentile per-packet one-way delay: 53.660 ms
Loss rate: 0.50%

Run 5: Report of Sprout — Data Link

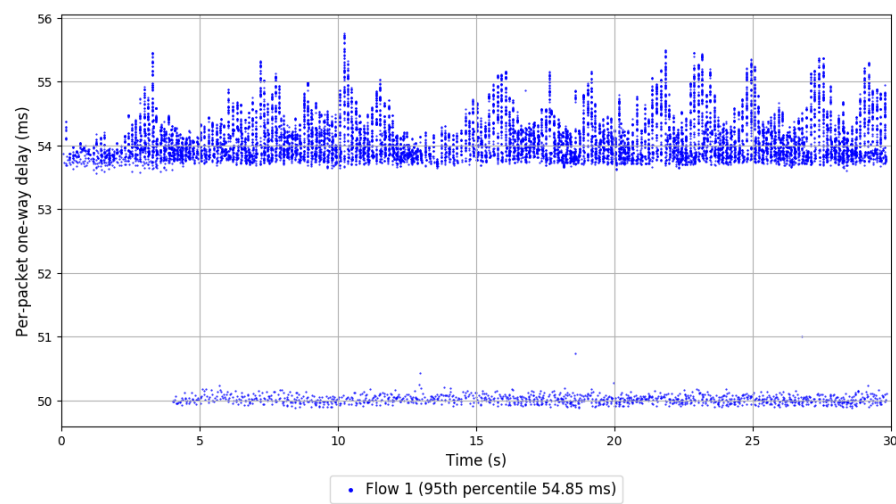
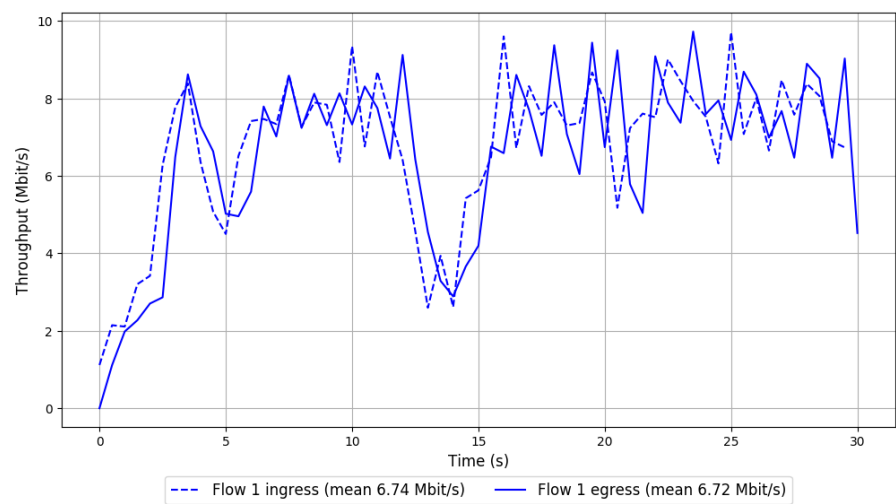


Run 6: Statistics of Sprout

Start at: 2018-07-27 04:08:03
End at: 2018-07-27 04:08:33
Local clock offset: 0.042 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-07-27 07:45:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.72 Mbit/s
95th percentile per-packet one-way delay: 54.850 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 6.72 Mbit/s
95th percentile per-packet one-way delay: 54.850 ms
Loss rate: 0.55%

Run 6: Report of Sprout — Data Link

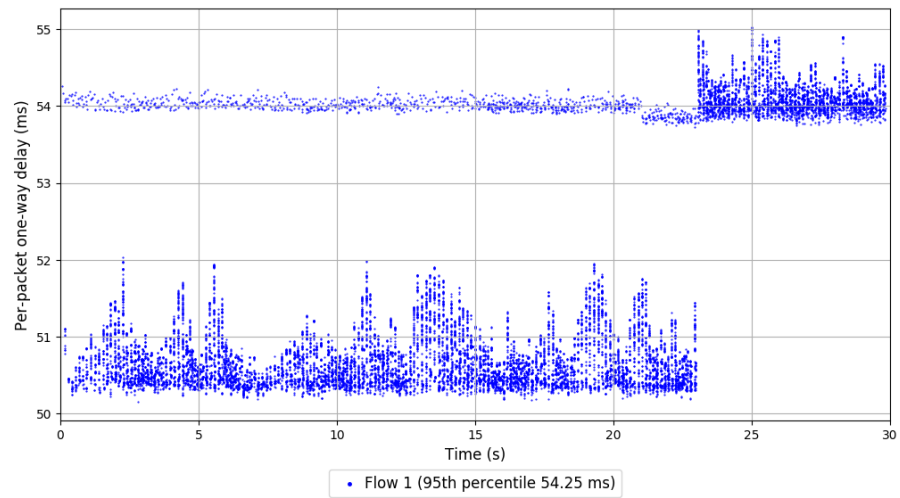
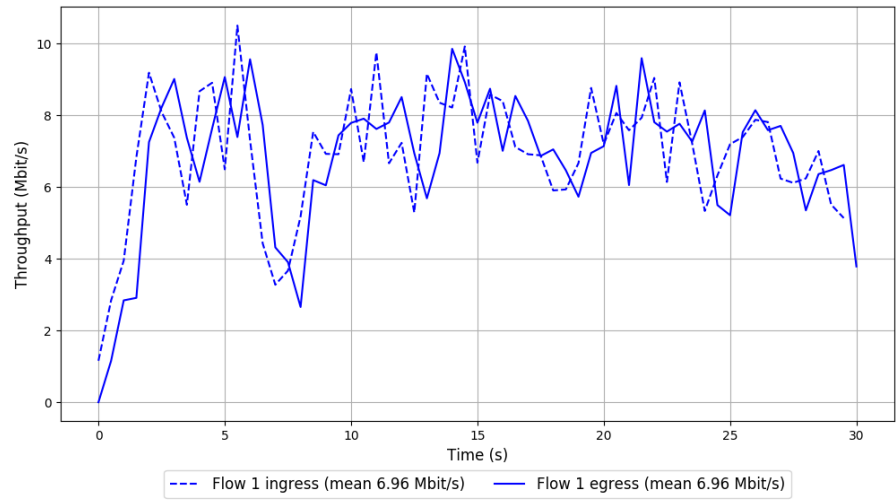


Run 7: Statistics of Sprout

Start at: 2018-07-27 04:29:44
End at: 2018-07-27 04:30:14
Local clock offset: 0.062 ms
Remote clock offset: -0.172 ms

Below is generated by plot.py at 2018-07-27 07:45:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.96 Mbit/s
95th percentile per-packet one-way delay: 54.254 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 6.96 Mbit/s
95th percentile per-packet one-way delay: 54.254 ms
Loss rate: 0.41%

Run 7: Report of Sprout — Data Link

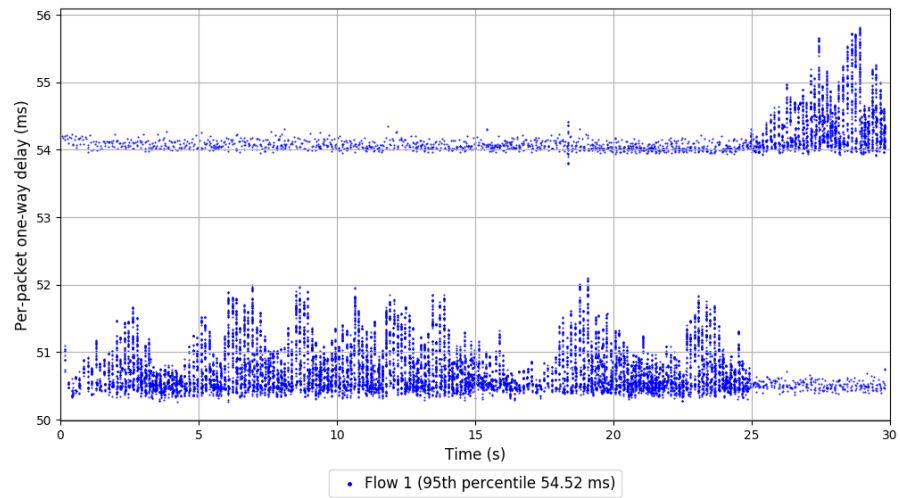
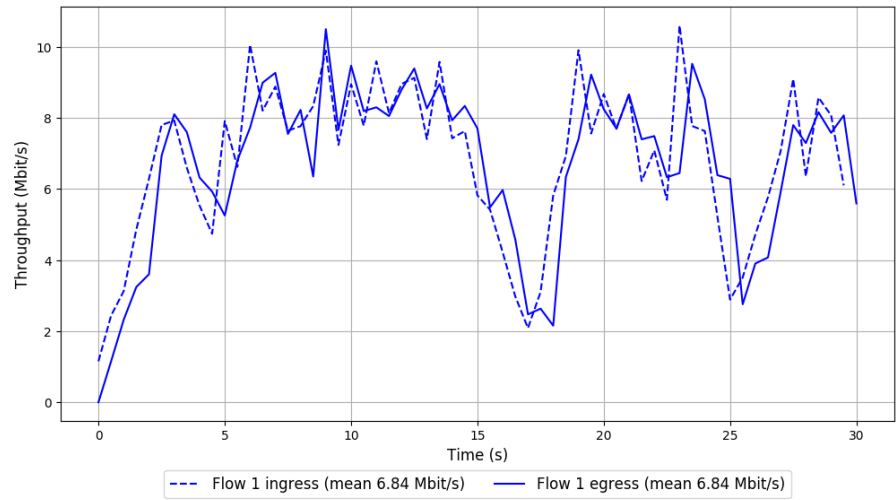


Run 8: Statistics of Sprout

Start at: 2018-07-27 04:51:52
End at: 2018-07-27 04:52:22
Local clock offset: 0.14 ms
Remote clock offset: -0.182 ms

Below is generated by plot.py at 2018-07-27 07:45:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.84 Mbit/s
95th percentile per-packet one-way delay: 54.518 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 6.84 Mbit/s
95th percentile per-packet one-way delay: 54.518 ms
Loss rate: 0.37%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-07-27 05:13:47

End at: 2018-07-27 05:14:17

Local clock offset: 0.149 ms

Remote clock offset: 0.242 ms

Below is generated by plot.py at 2018-07-27 07:45:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.81 Mbit/s

95th percentile per-packet one-way delay: 53.716 ms

Loss rate: 0.55%

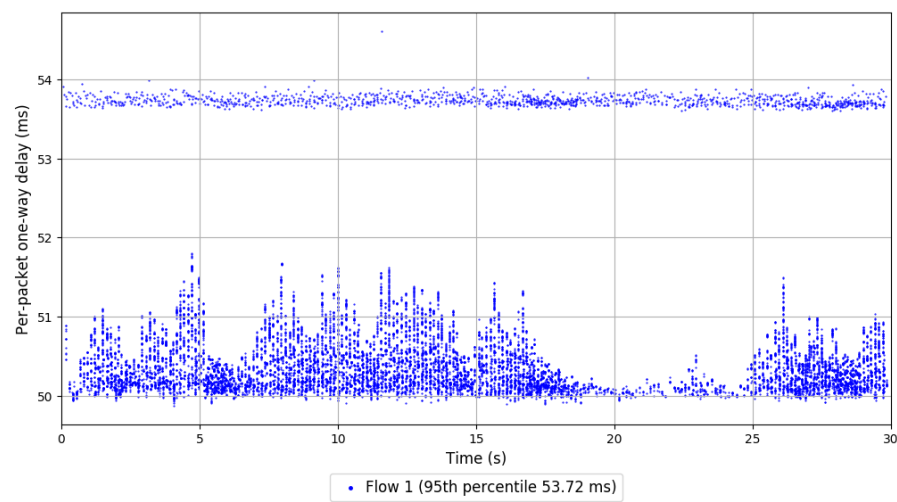
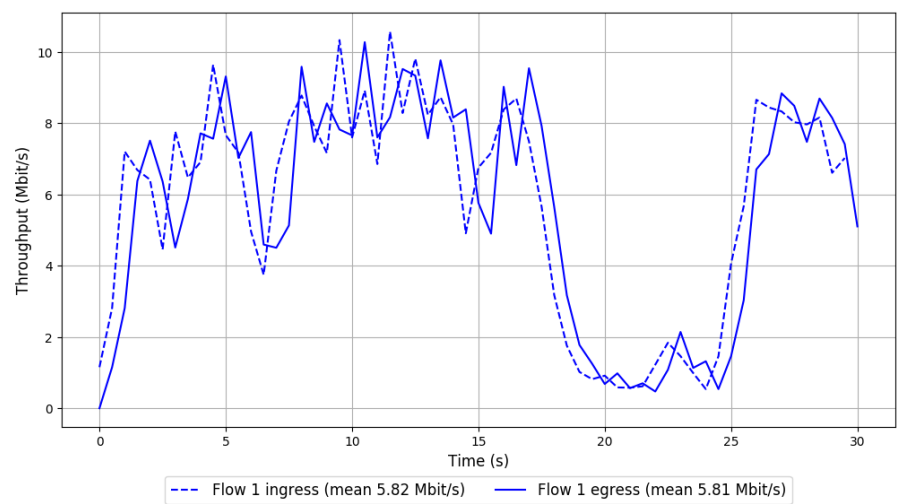
-- Flow 1:

Average throughput: 5.81 Mbit/s

95th percentile per-packet one-way delay: 53.716 ms

Loss rate: 0.55%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-27 05:35:38

End at: 2018-07-27 05:36:08

Local clock offset: 0.052 ms

Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-27 07:45:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.45 Mbit/s

95th percentile per-packet one-way delay: 54.708 ms

Loss rate: 0.18%

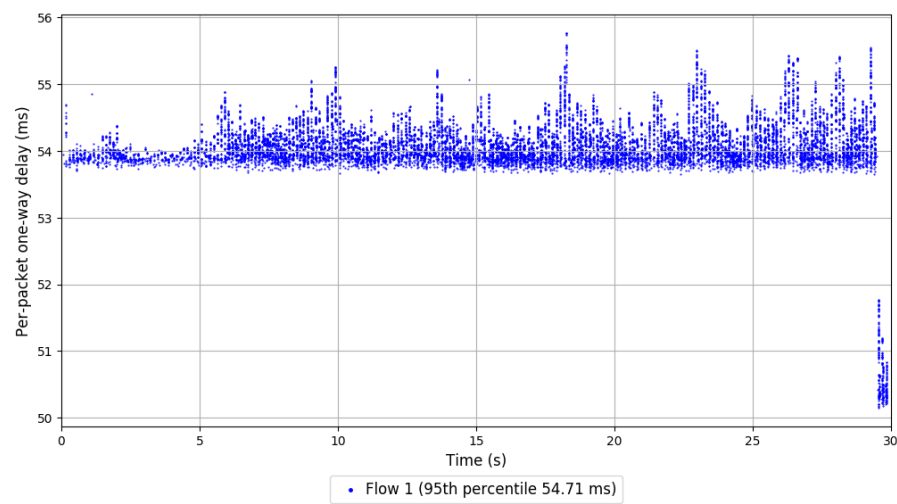
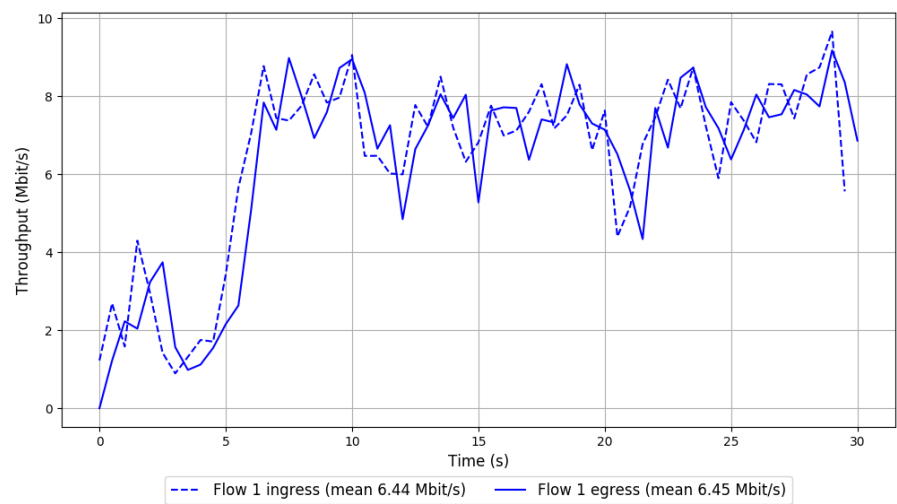
-- Flow 1:

Average throughput: 6.45 Mbit/s

95th percentile per-packet one-way delay: 54.708 ms

Loss rate: 0.18%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-07-27 02:32:13

End at: 2018-07-27 02:32:43

Local clock offset: 0.101 ms

Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-27 07:45:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 129.37 Mbit/s

95th percentile per-packet one-way delay: 51.038 ms

Loss rate: 0.02%

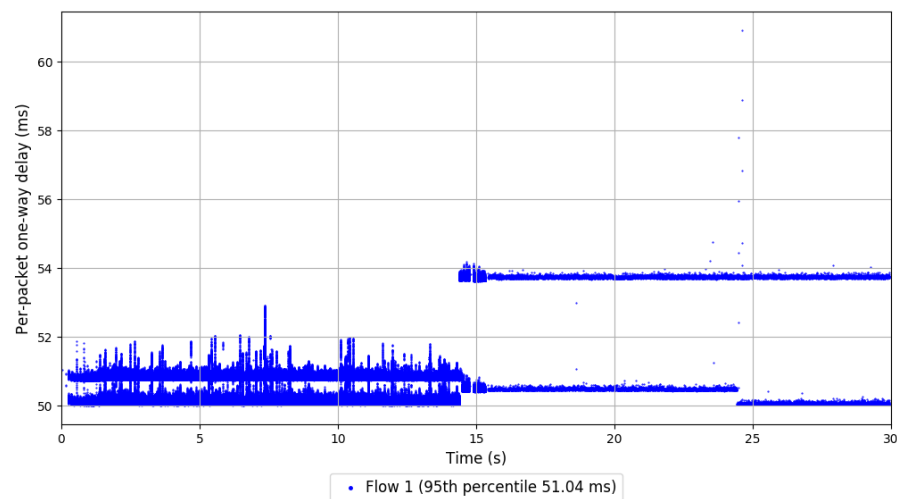
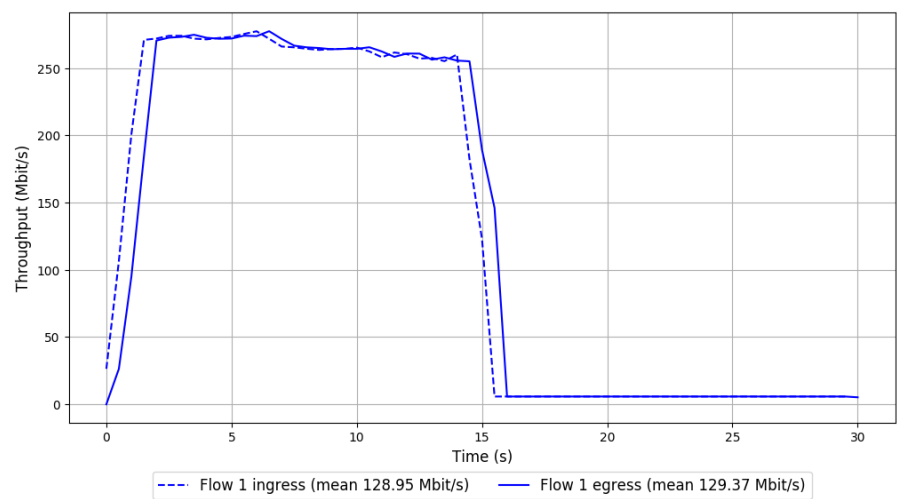
-- Flow 1:

Average throughput: 129.37 Mbit/s

95th percentile per-packet one-way delay: 51.038 ms

Loss rate: 0.02%

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

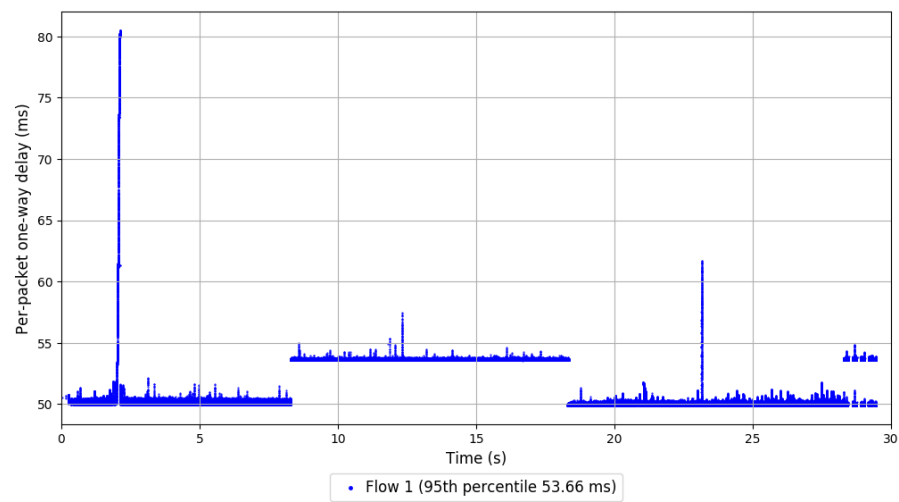
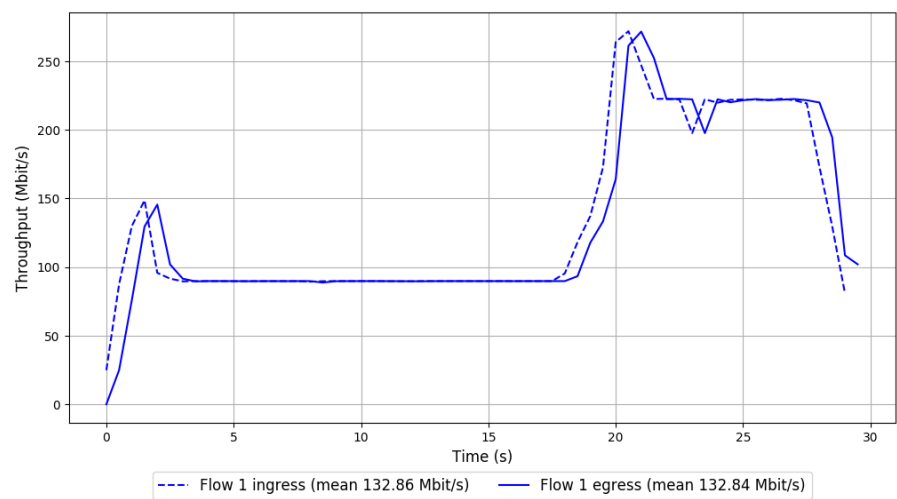


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-27 02:53:59
End at: 2018-07-27 02:54:29
Local clock offset: -0.077 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-07-27 07:45:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.84 Mbit/s
95th percentile per-packet one-way delay: 53.662 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.84 Mbit/s
95th percentile per-packet one-way delay: 53.662 ms
Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-27 03:15:45

End at: 2018-07-27 03:16:15

Local clock offset: -0.14 ms

Remote clock offset: 0.182 ms

Below is generated by plot.py at 2018-07-27 07:45:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.56 Mbit/s

95th percentile per-packet one-way delay: 53.389 ms

Loss rate: 0.59%

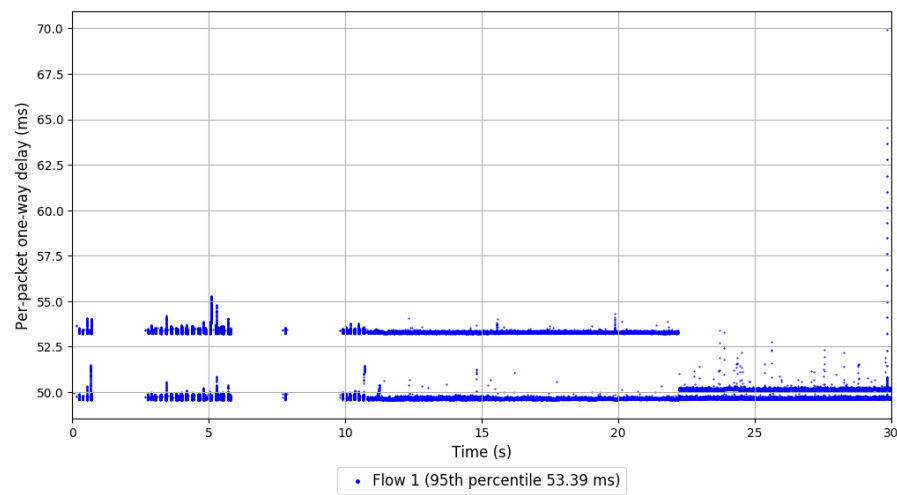
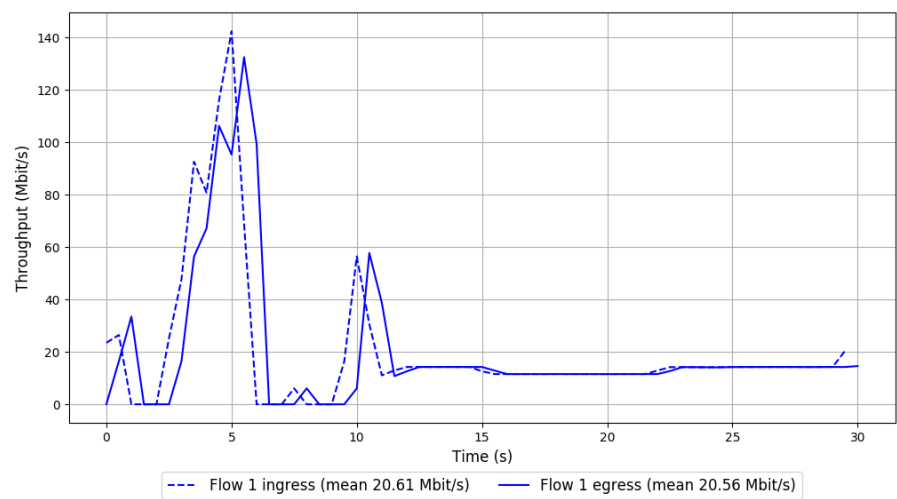
-- Flow 1:

Average throughput: 20.56 Mbit/s

95th percentile per-packet one-way delay: 53.389 ms

Loss rate: 0.59%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-27 03:37:12

End at: 2018-07-27 03:37:42

Local clock offset: 0.101 ms

Remote clock offset: -1.294 ms

Below is generated by plot.py at 2018-07-27 07:45:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.27 Mbit/s

95th percentile per-packet one-way delay: 55.135 ms

Loss rate: 0.08%

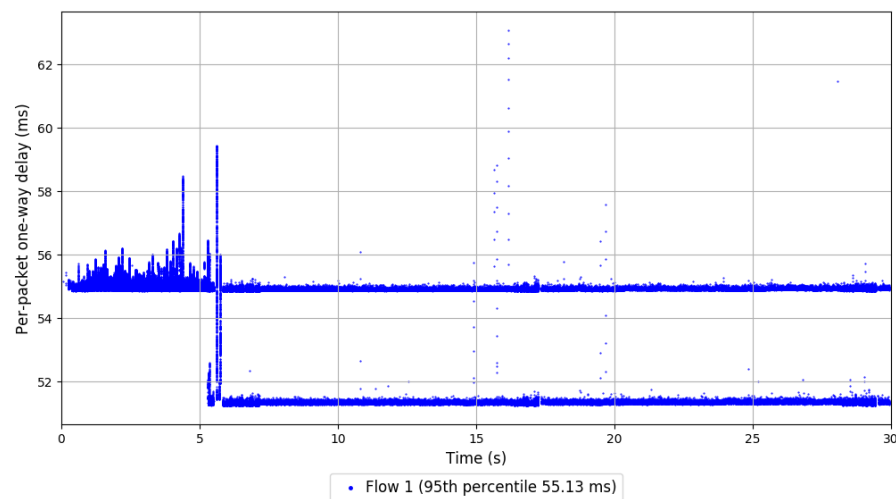
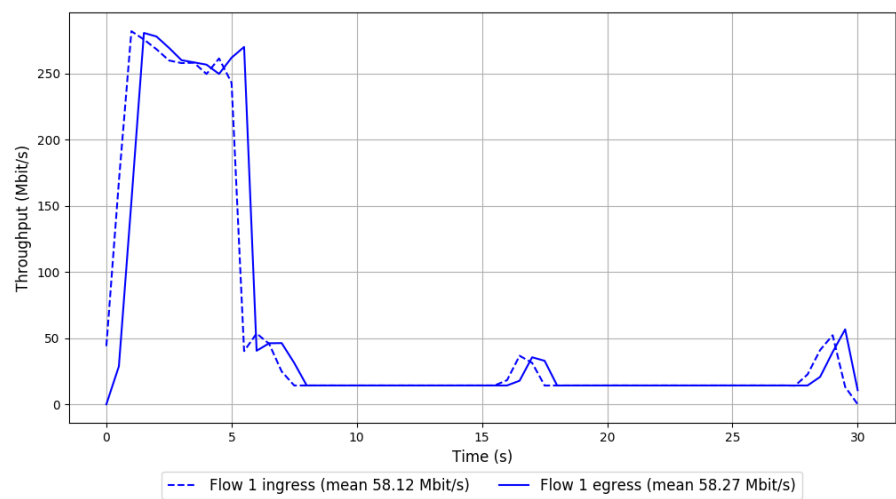
-- Flow 1:

Average throughput: 58.27 Mbit/s

95th percentile per-packet one-way delay: 55.135 ms

Loss rate: 0.08%

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



Run 5: Statistics of TaoVA-100x

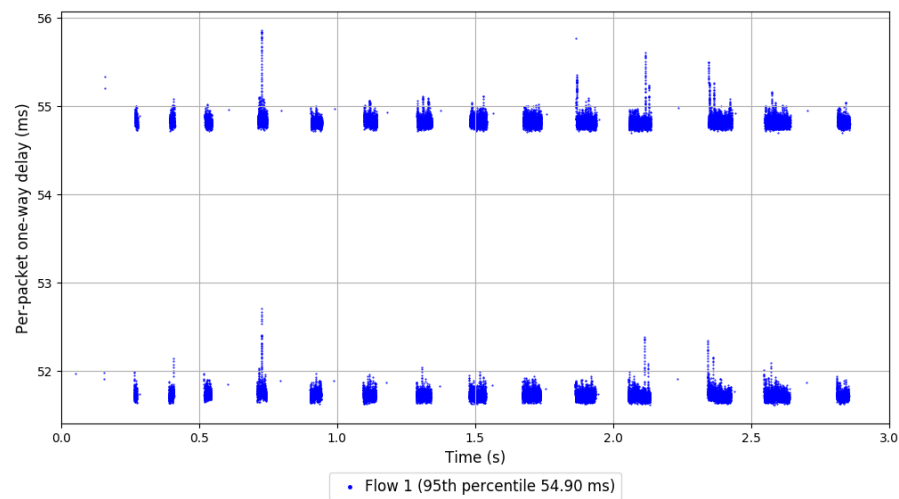
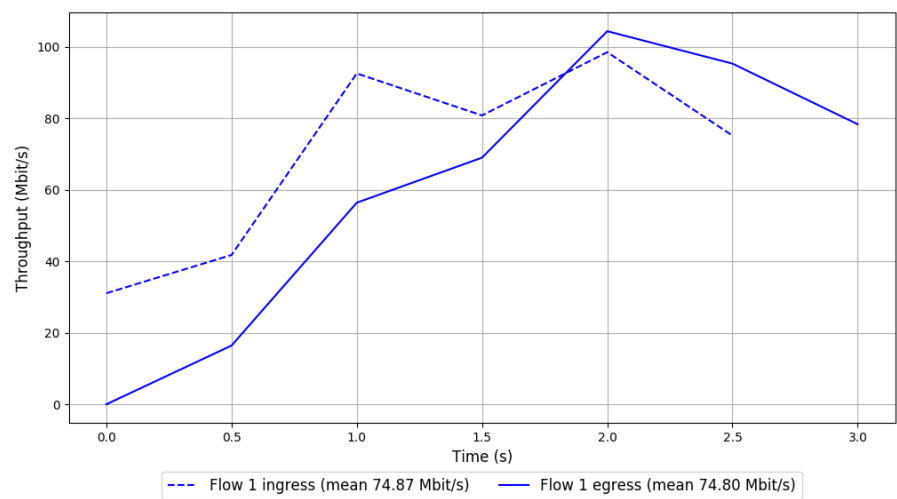
Start at: 2018-07-27 03:59:02

End at: 2018-07-27 03:59:32

Local clock offset: -0.01 ms

Remote clock offset: -1.246 ms

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-27 04:20:29

End at: 2018-07-27 04:20:59

Local clock offset: -0.013 ms

Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-27 07:45:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.40 Mbit/s

95th percentile per-packet one-way delay: 53.586 ms

Loss rate: 0.42%

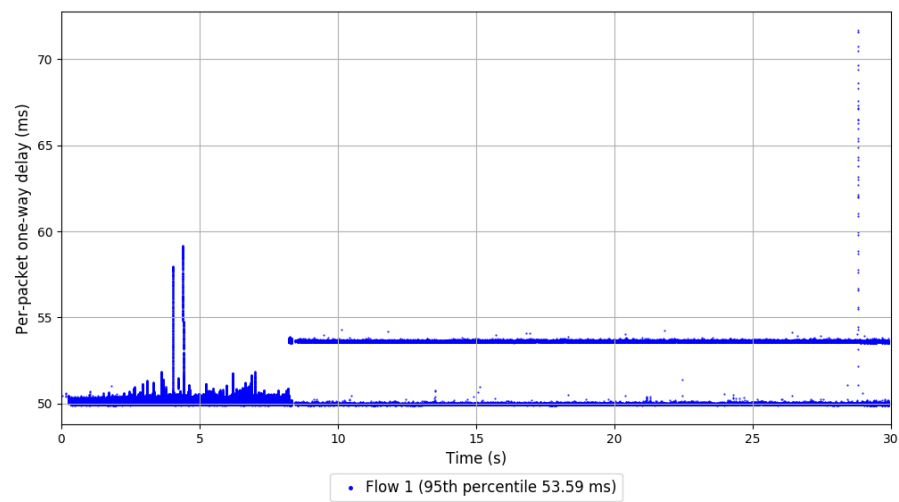
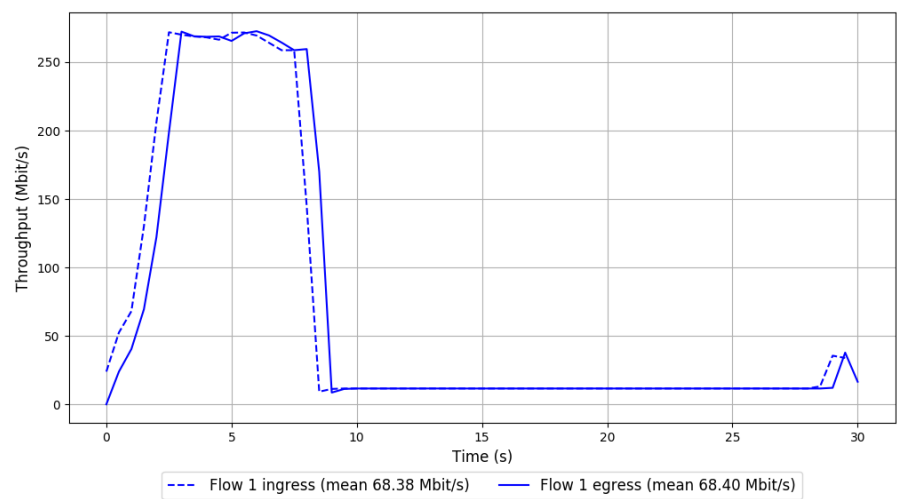
-- Flow 1:

Average throughput: 68.40 Mbit/s

95th percentile per-packet one-way delay: 53.586 ms

Loss rate: 0.42%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-27 04:42:18

End at: 2018-07-27 04:42:48

Local clock offset: -0.17 ms

Remote clock offset: -1.293 ms

Below is generated by plot.py at 2018-07-27 07:45:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 157.36 Mbit/s

95th percentile per-packet one-way delay: 54.650 ms

Loss rate: 0.17%

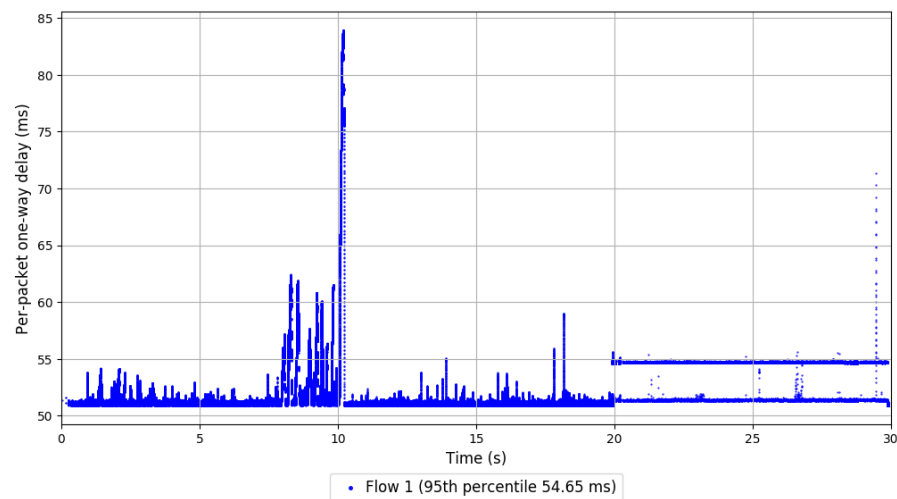
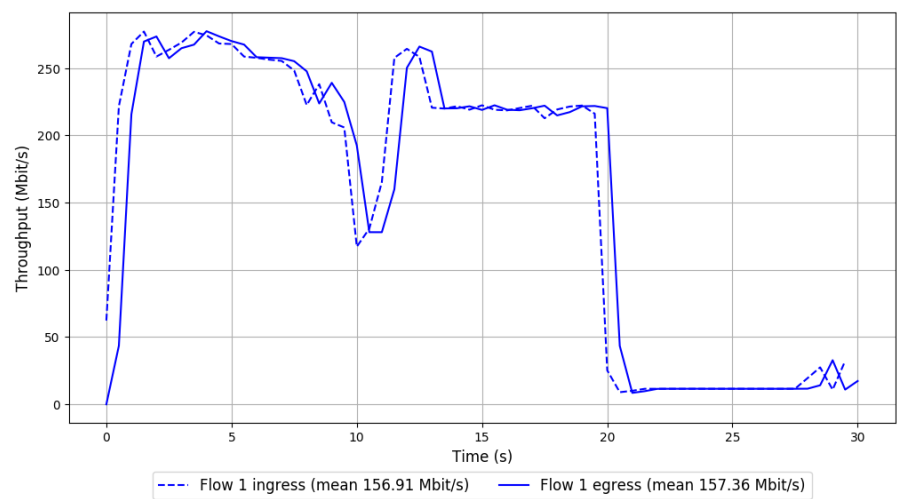
-- Flow 1:

Average throughput: 157.36 Mbit/s

95th percentile per-packet one-way delay: 54.650 ms

Loss rate: 0.17%

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



Run 8: Statistics of TaoVA-100x

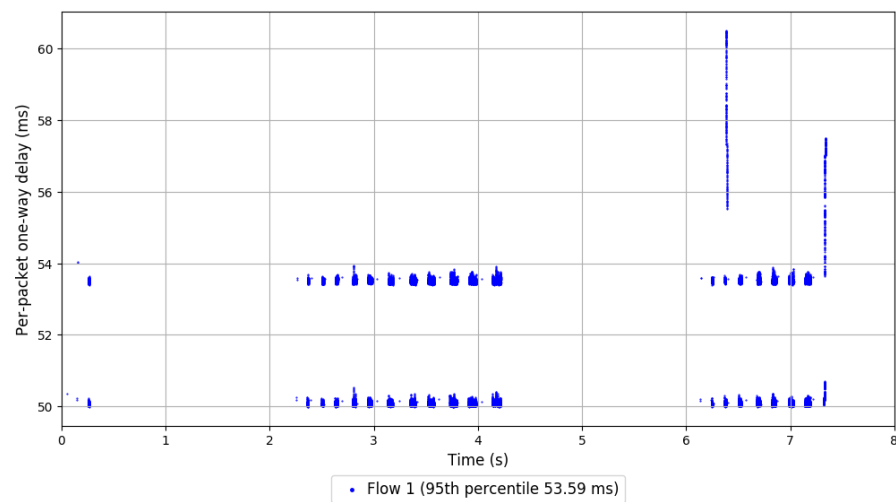
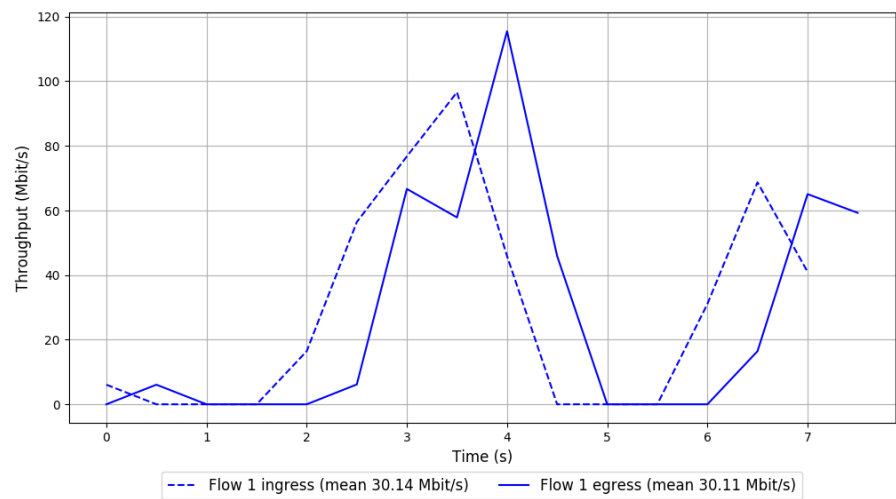
Start at: 2018-07-27 05:04:29

End at: 2018-07-27 05:04:59

Local clock offset: -0.014 ms

Remote clock offset: 0.105 ms

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



Run 9: Statistics of TaoVA-100x

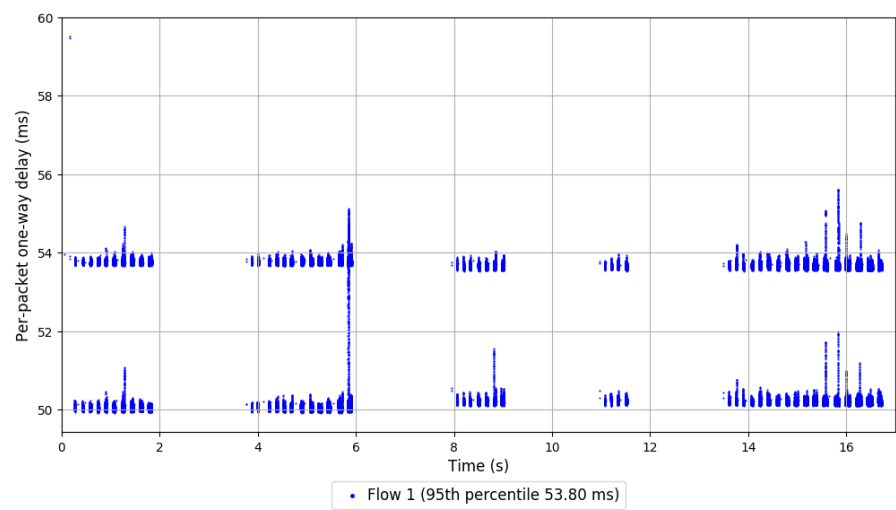
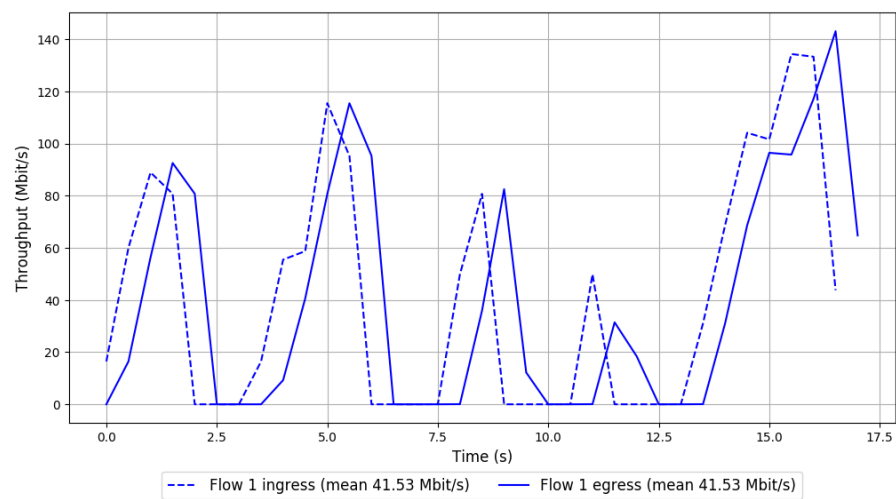
Start at: 2018-07-27 05:26:10

End at: 2018-07-27 05:26:40

Local clock offset: -0.071 ms

Remote clock offset: -0.064 ms

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-27 05:47:49

End at: 2018-07-27 05:48:19

Local clock offset: 0.195 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-07-27 07:47:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.18 Mbit/s

95th percentile per-packet one-way delay: 53.752 ms

Loss rate: 0.00%

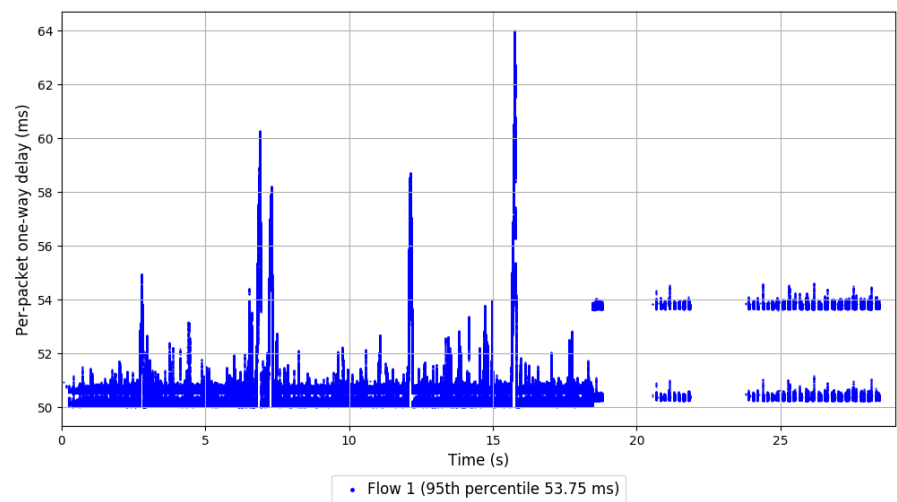
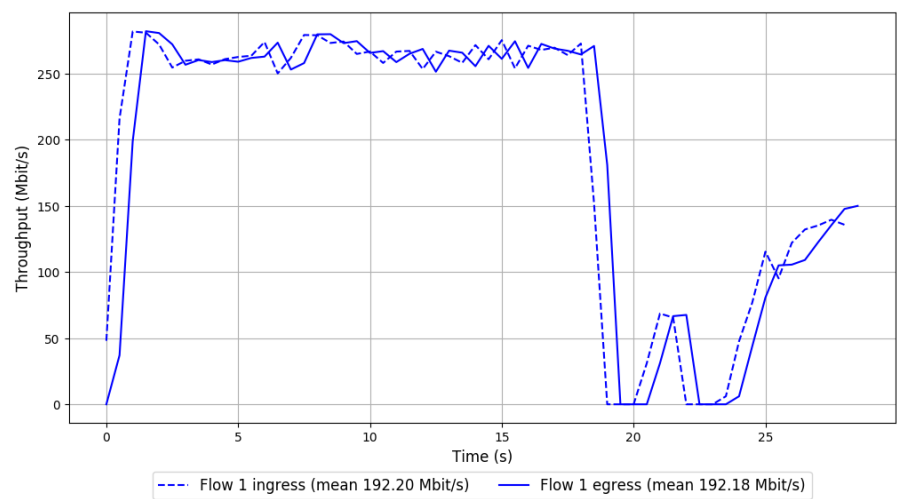
-- Flow 1:

Average throughput: 192.18 Mbit/s

95th percentile per-packet one-way delay: 53.752 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-27 02:21:03

End at: 2018-07-27 02:21:33

Local clock offset: 0.02 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-27 07:47:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 130.58 Mbit/s

95th percentile per-packet one-way delay: 54.932 ms

Loss rate: 0.23%

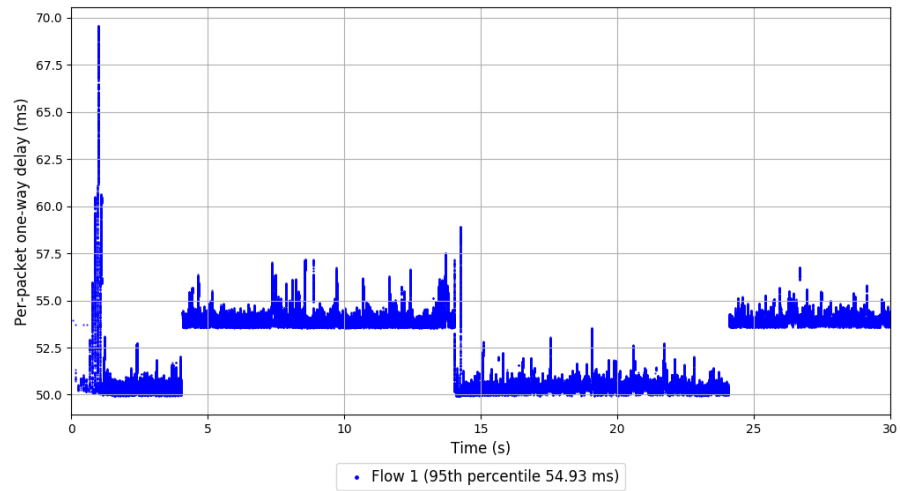
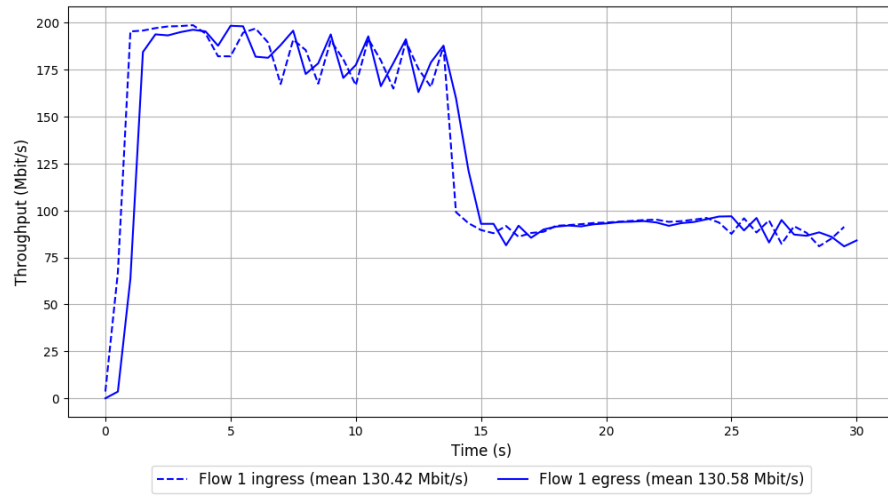
-- Flow 1:

Average throughput: 130.58 Mbit/s

95th percentile per-packet one-way delay: 54.932 ms

Loss rate: 0.23%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-27 02:42:49

End at: 2018-07-27 02:43:19

Local clock offset: -0.068 ms

Remote clock offset: -0.45 ms

Below is generated by plot.py at 2018-07-27 07:47:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.53 Mbit/s

95th percentile per-packet one-way delay: 63.824 ms

Loss rate: 0.28%

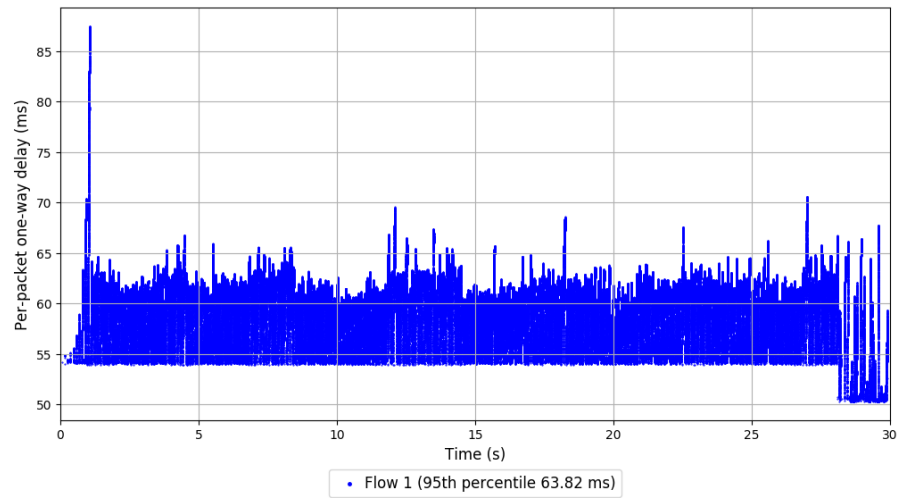
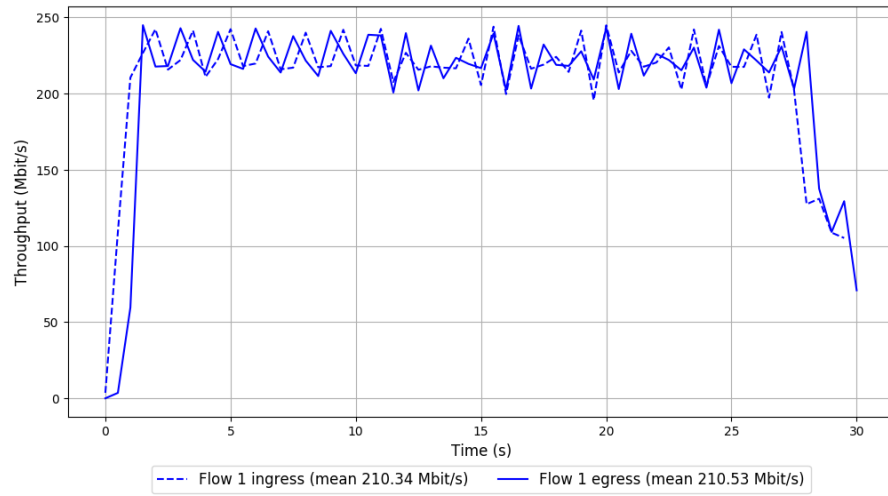
-- Flow 1:

Average throughput: 210.53 Mbit/s

95th percentile per-packet one-way delay: 63.824 ms

Loss rate: 0.28%

Run 2: Report of TCP Vegas — Data Link

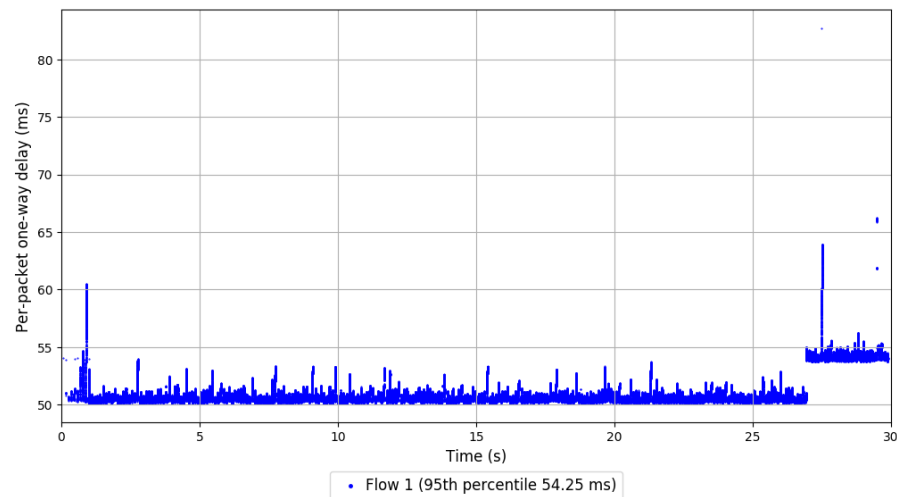
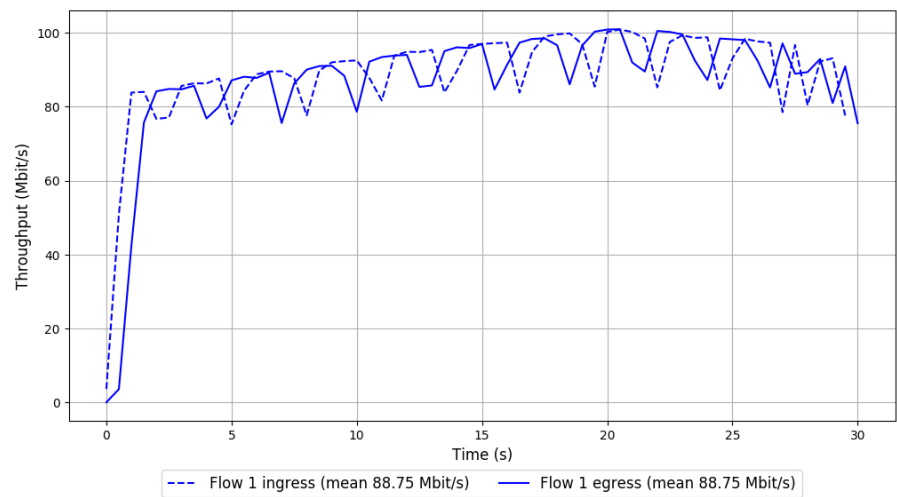


Run 3: Statistics of TCP Vegas

Start at: 2018-07-27 03:04:30
End at: 2018-07-27 03:05:00
Local clock offset: 0.145 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-27 07:47:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.75 Mbit/s
95th percentile per-packet one-way delay: 54.251 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 88.75 Mbit/s
95th percentile per-packet one-way delay: 54.251 ms
Loss rate: 0.36%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-27 03:25:59

End at: 2018-07-27 03:26:29

Local clock offset: 0.007 ms

Remote clock offset: -1.23 ms

Below is generated by plot.py at 2018-07-27 07:47:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.06 Mbit/s

95th percentile per-packet one-way delay: 55.866 ms

Loss rate: 0.31%

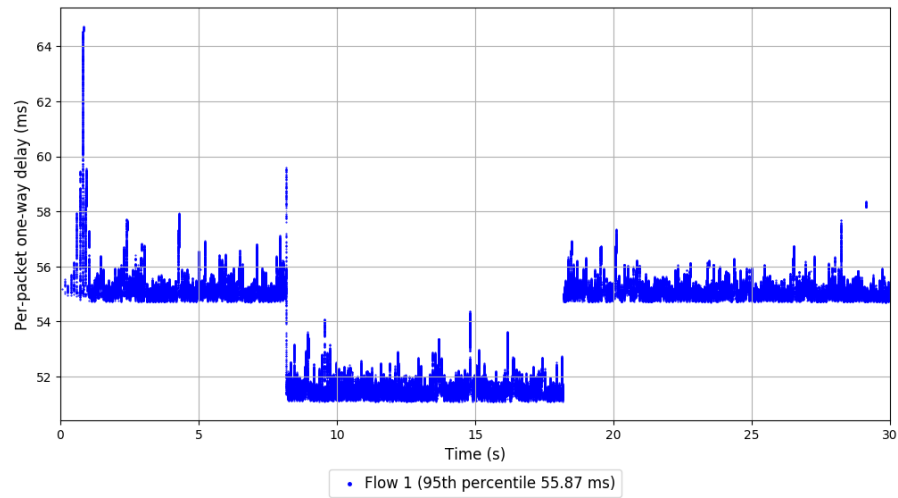
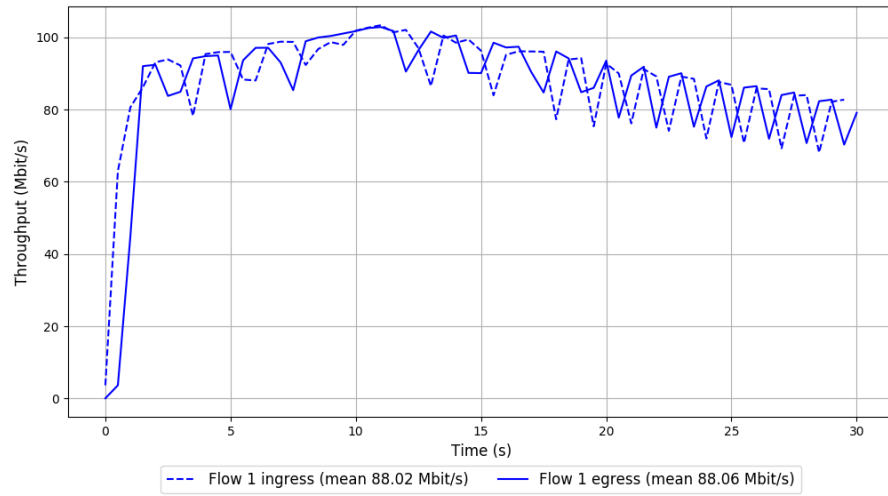
-- Flow 1:

Average throughput: 88.06 Mbit/s

95th percentile per-packet one-way delay: 55.866 ms

Loss rate: 0.31%

Run 4: Report of TCP Vegas — Data Link

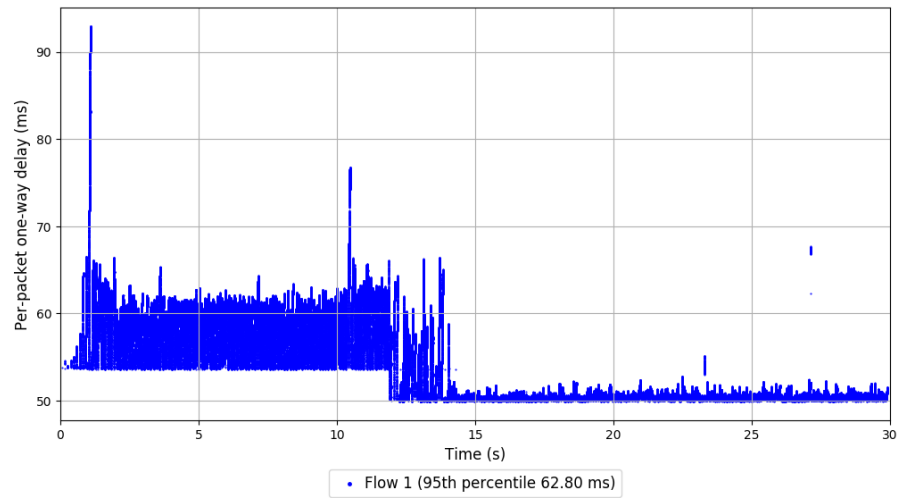
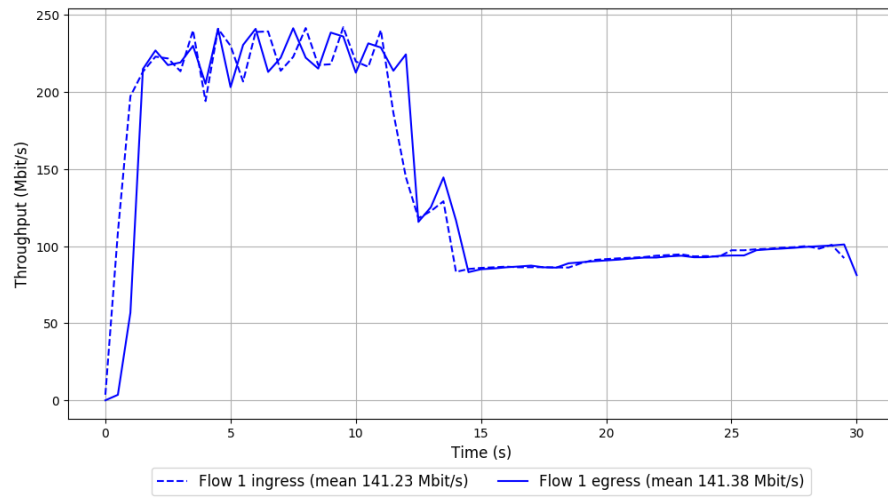


Run 5: Statistics of TCP Vegas

Start at: 2018-07-27 03:47:46
End at: 2018-07-27 03:48:16
Local clock offset: 0.033 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-27 07:47:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 141.38 Mbit/s
95th percentile per-packet one-way delay: 62.805 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 141.38 Mbit/s
95th percentile per-packet one-way delay: 62.805 ms
Loss rate: 0.24%

Run 5: Report of TCP Vegas — Data Link

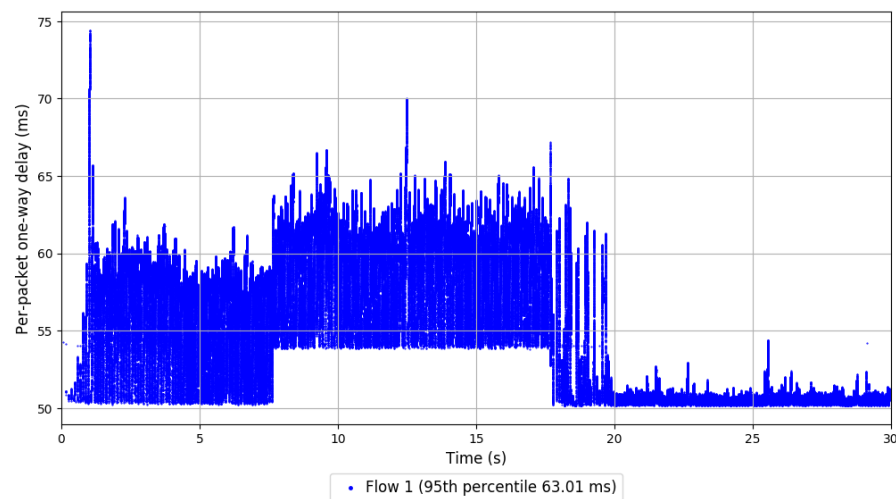
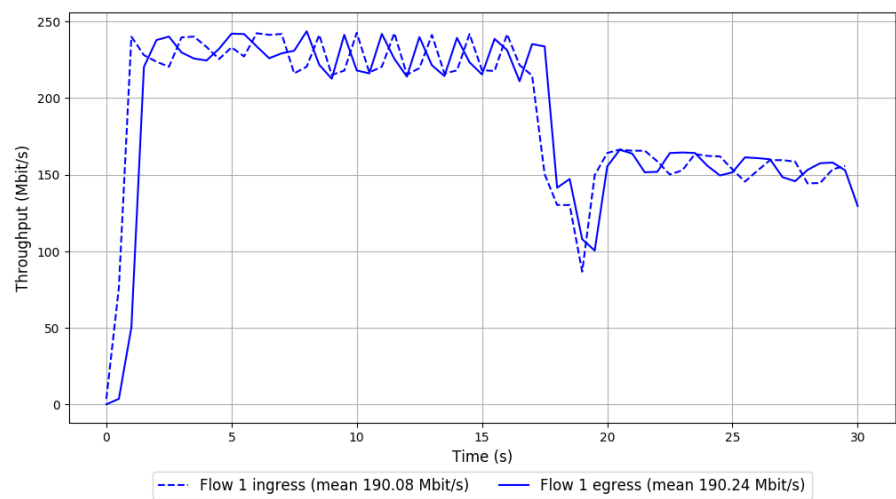


Run 6: Statistics of TCP Vegas

Start at: 2018-07-27 04:09:10
End at: 2018-07-27 04:09:40
Local clock offset: 0.189 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-07-27 07:48:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 190.24 Mbit/s
95th percentile per-packet one-way delay: 63.011 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 190.24 Mbit/s
95th percentile per-packet one-way delay: 63.011 ms
Loss rate: 0.27%

Run 6: Report of TCP Vegas — Data Link

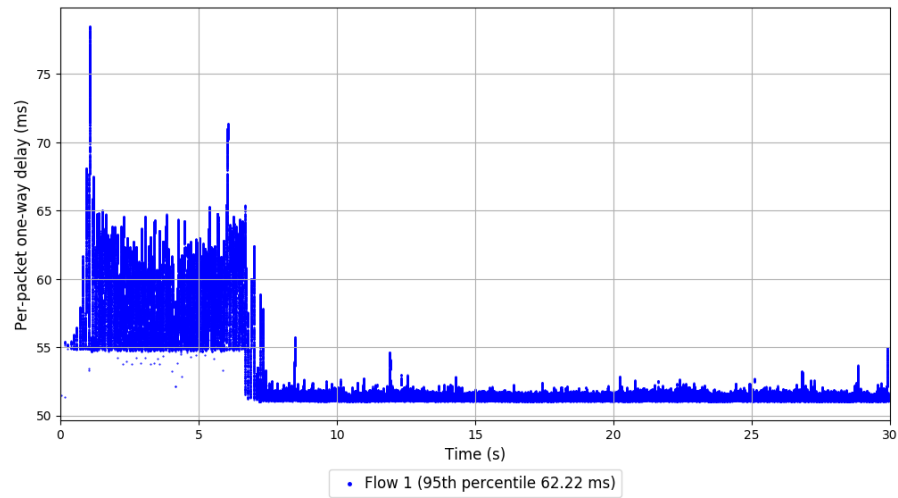
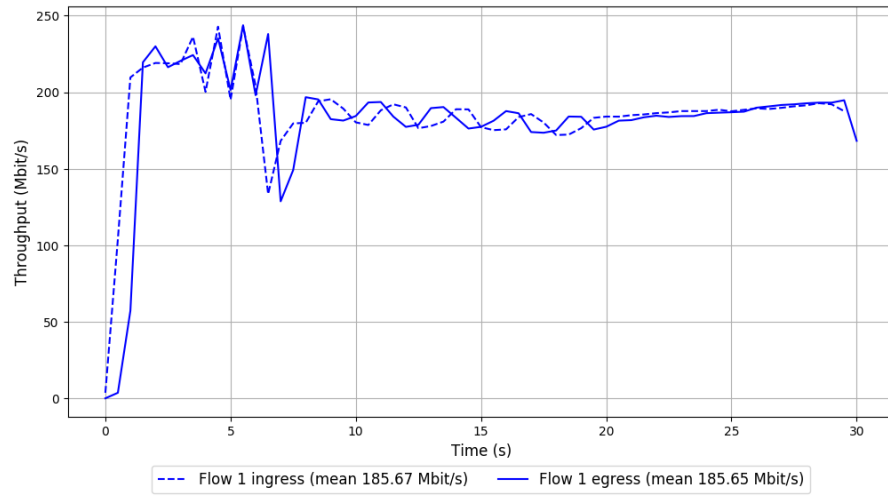


Run 7: Statistics of TCP Vegas

Start at: 2018-07-27 04:30:51
End at: 2018-07-27 04:31:21
Local clock offset: -0.225 ms
Remote clock offset: -1.388 ms

Below is generated by plot.py at 2018-07-27 07:49:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 185.65 Mbit/s
95th percentile per-packet one-way delay: 62.224 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 185.65 Mbit/s
95th percentile per-packet one-way delay: 62.224 ms
Loss rate: 0.35%

Run 7: Report of TCP Vegas — Data Link

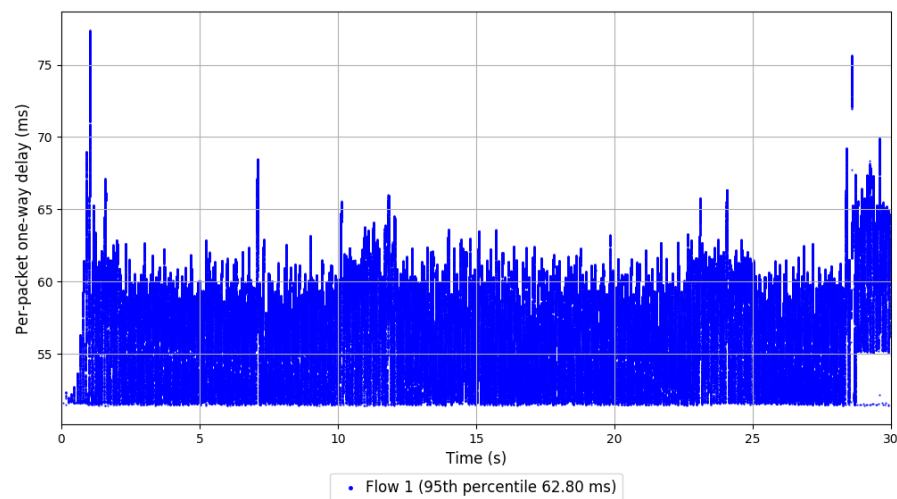
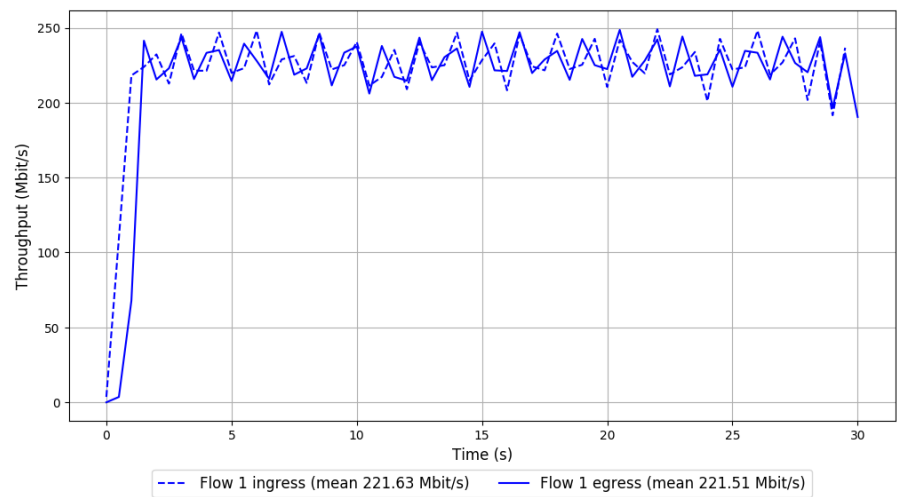


Run 8: Statistics of TCP Vegas

Start at: 2018-07-27 04:52:59
End at: 2018-07-27 04:53:29
Local clock offset: -0.014 ms
Remote clock offset: -1.496 ms

Below is generated by plot.py at 2018-07-27 07:50:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.51 Mbit/s
95th percentile per-packet one-way delay: 62.801 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 221.51 Mbit/s
95th percentile per-packet one-way delay: 62.801 ms
Loss rate: 0.40%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-27 05:14:53

End at: 2018-07-27 05:15:23

Local clock offset: 0.012 ms

Remote clock offset: 1.042 ms

Below is generated by plot.py at 2018-07-27 07:50:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.18 Mbit/s

95th percentile per-packet one-way delay: 53.070 ms

Loss rate: 0.35%

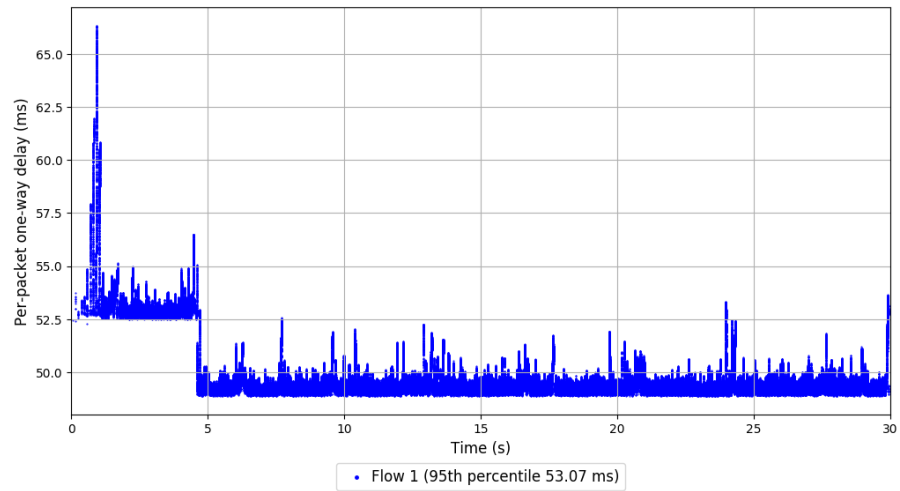
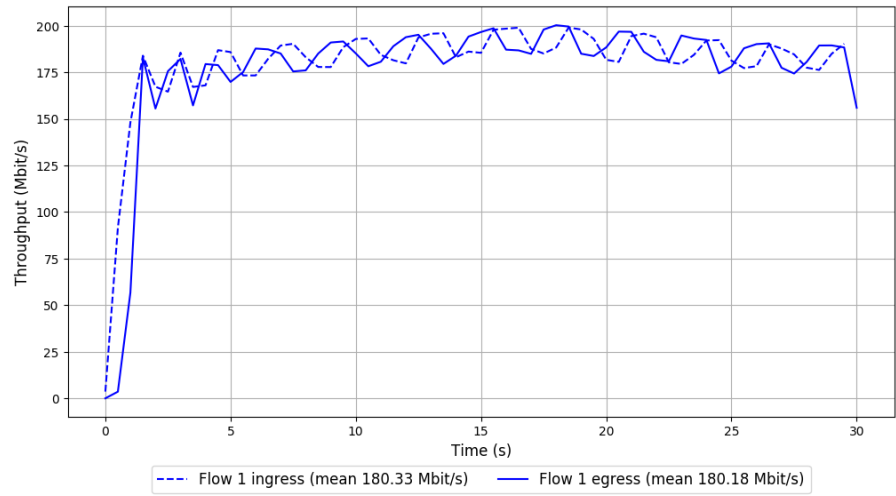
-- Flow 1:

Average throughput: 180.18 Mbit/s

95th percentile per-packet one-way delay: 53.070 ms

Loss rate: 0.35%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-27 05:36:44

End at: 2018-07-27 05:37:14

Local clock offset: 0.086 ms

Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-27 07:50:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.03 Mbit/s

95th percentile per-packet one-way delay: 54.549 ms

Loss rate: 0.39%

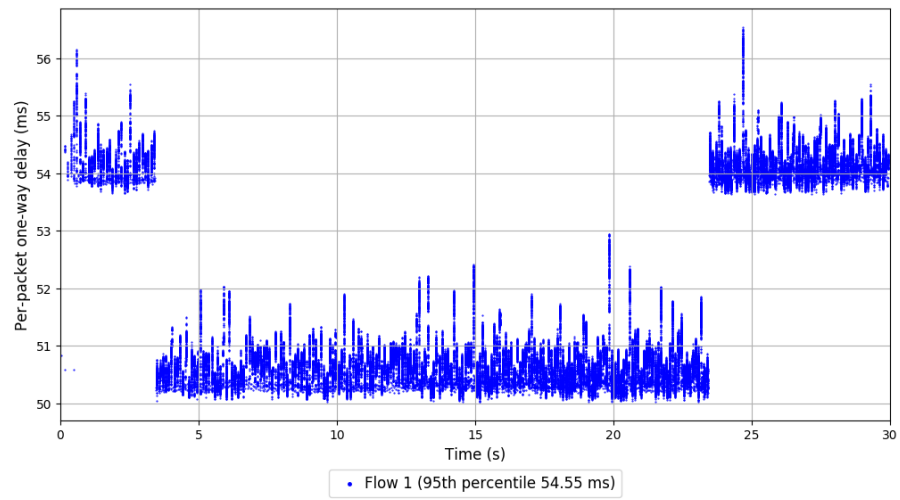
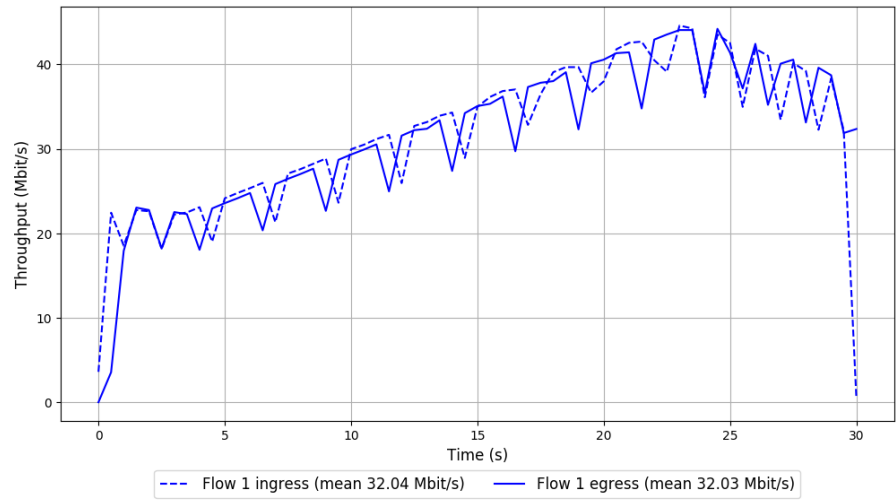
-- Flow 1:

Average throughput: 32.03 Mbit/s

95th percentile per-packet one-way delay: 54.549 ms

Loss rate: 0.39%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-27 02:23:33

End at: 2018-07-27 02:24:03

Local clock offset: -0.338 ms

Remote clock offset: -1.38 ms

Below is generated by plot.py at 2018-07-27 07:51:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 234.45 Mbit/s

95th percentile per-packet one-way delay: 152.115 ms

Loss rate: 2.20%

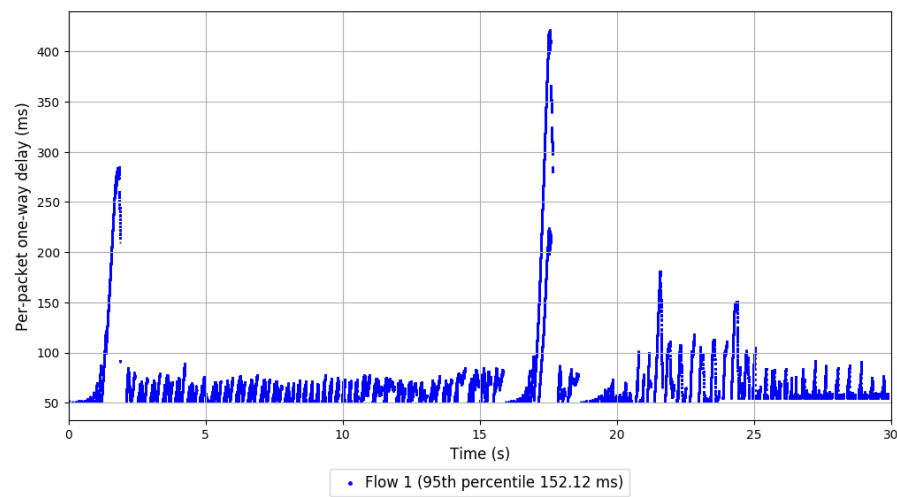
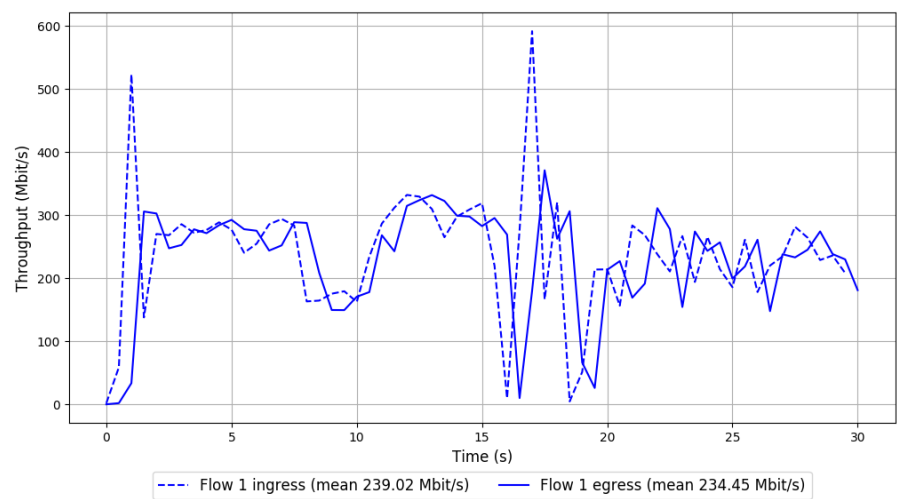
-- Flow 1:

Average throughput: 234.45 Mbit/s

95th percentile per-packet one-way delay: 152.115 ms

Loss rate: 2.20%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-07-27 02:45:25

End at: 2018-07-27 02:45:55

Local clock offset: -0.026 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-07-27 07:52:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 278.04 Mbit/s

95th percentile per-packet one-way delay: 108.762 ms

Loss rate: 1.37%

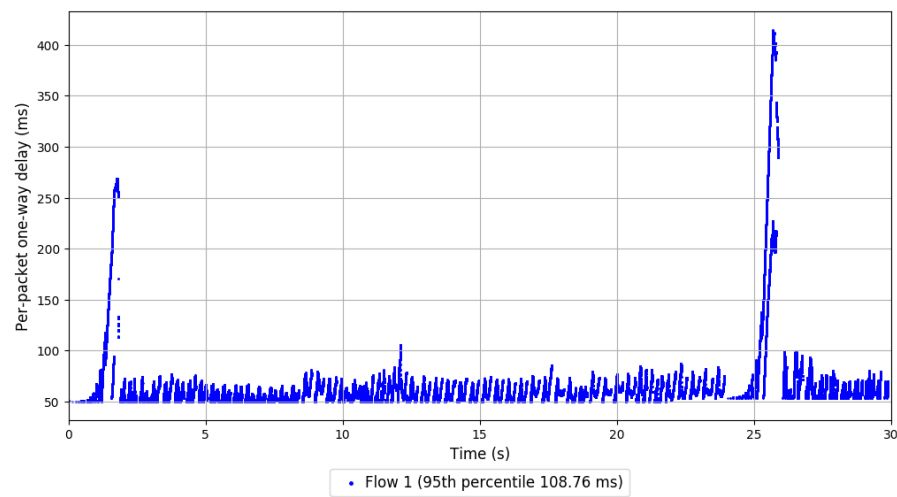
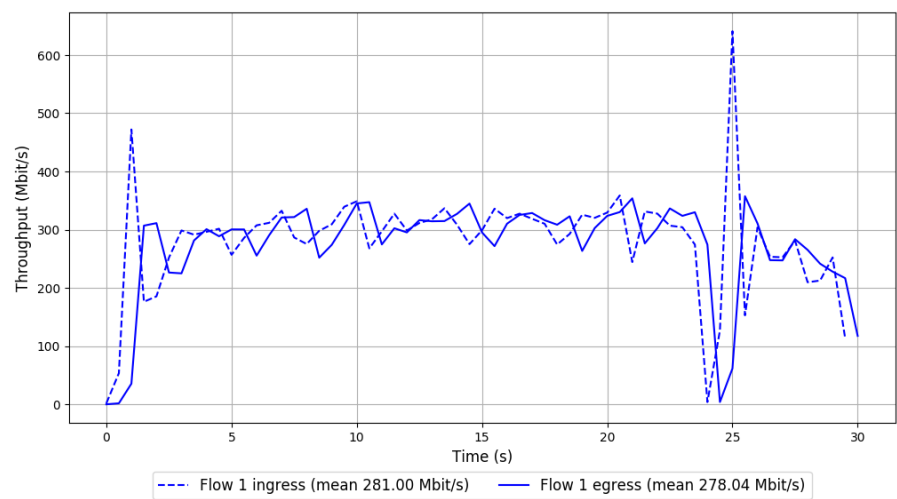
-- Flow 1:

Average throughput: 278.04 Mbit/s

95th percentile per-packet one-way delay: 108.762 ms

Loss rate: 1.37%

Run 2: Report of Verus — Data Link

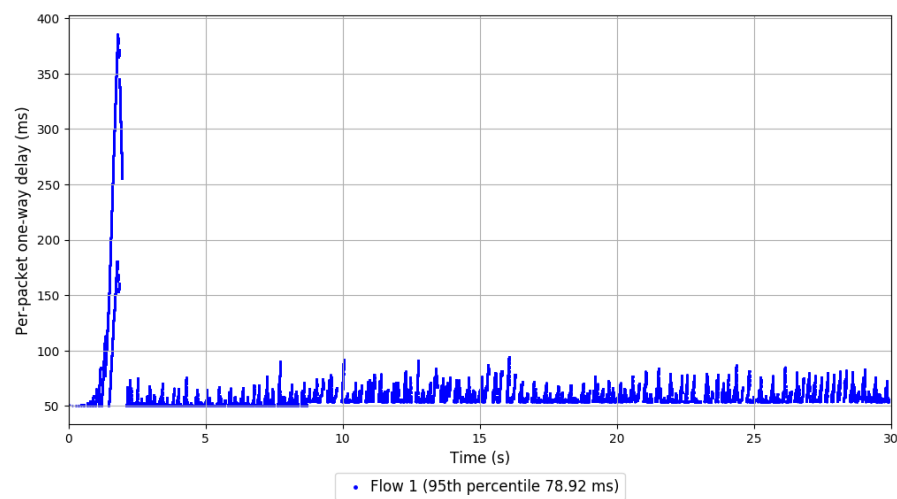
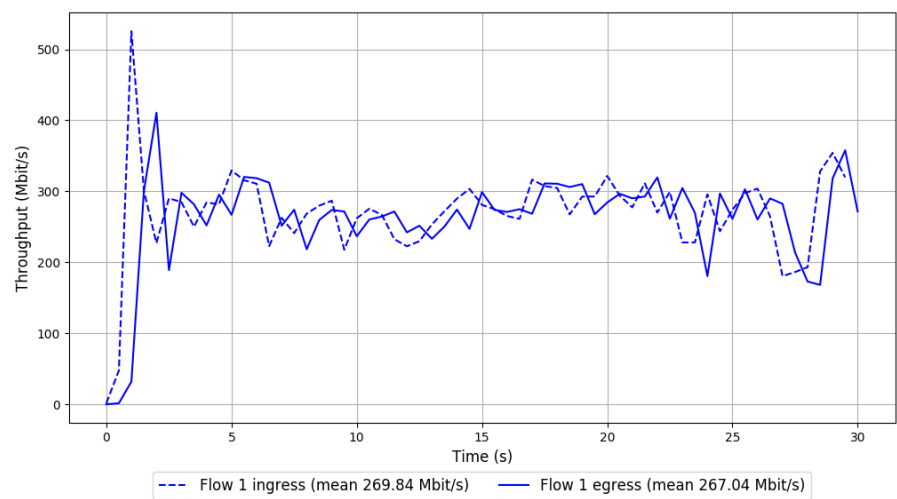


Run 3: Statistics of Verus

Start at: 2018-07-27 03:06:59
End at: 2018-07-27 03:07:29
Local clock offset: 0.014 ms
Remote clock offset: -0.258 ms

Below is generated by plot.py at 2018-07-27 07:52:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 267.04 Mbit/s
95th percentile per-packet one-way delay: 78.915 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 267.04 Mbit/s
95th percentile per-packet one-way delay: 78.915 ms
Loss rate: 1.38%

Run 3: Report of Verus — Data Link

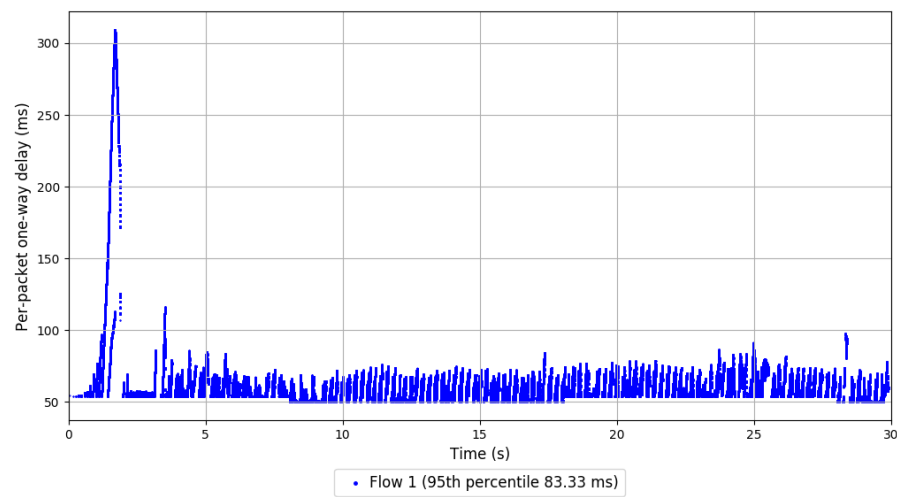
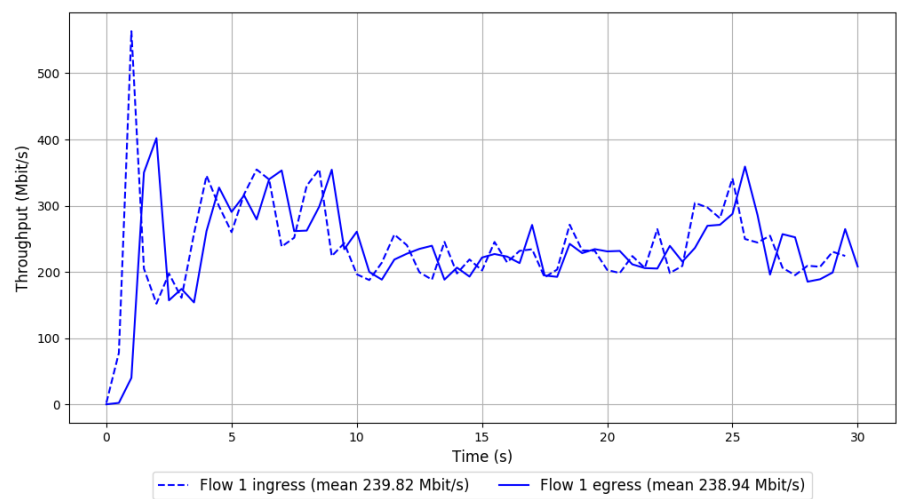


Run 4: Statistics of Verus

Start at: 2018-07-27 03:28:29
End at: 2018-07-27 03:28:59
Local clock offset: -0.099 ms
Remote clock offset: -0.229 ms

Below is generated by plot.py at 2018-07-27 07:52:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 238.94 Mbit/s
95th percentile per-packet one-way delay: 83.331 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 238.94 Mbit/s
95th percentile per-packet one-way delay: 83.331 ms
Loss rate: 0.43%

Run 4: Report of Verus — Data Link

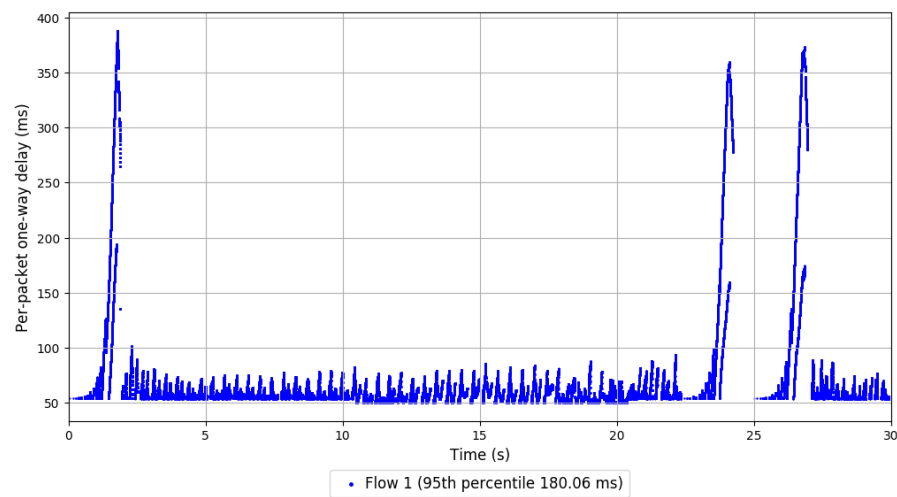
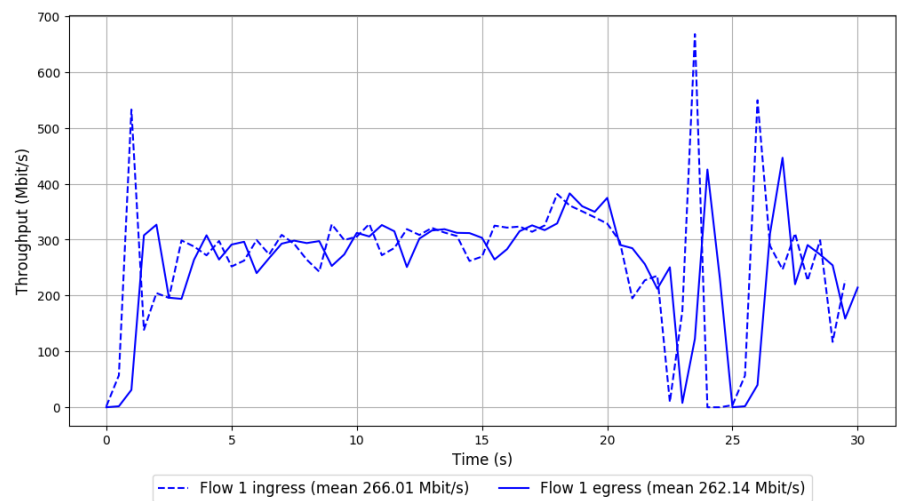


Run 5: Statistics of Verus

Start at: 2018-07-27 03:50:17
End at: 2018-07-27 03:50:47
Local clock offset: -0.004 ms
Remote clock offset: -0.241 ms

Below is generated by plot.py at 2018-07-27 07:54:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 262.14 Mbit/s
95th percentile per-packet one-way delay: 180.055 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 262.14 Mbit/s
95th percentile per-packet one-way delay: 180.055 ms
Loss rate: 1.50%

Run 5: Report of Verus — Data Link

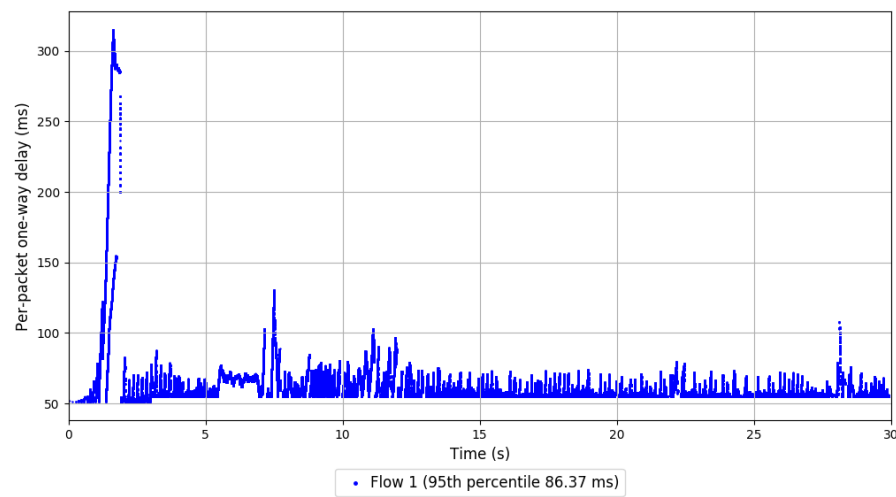
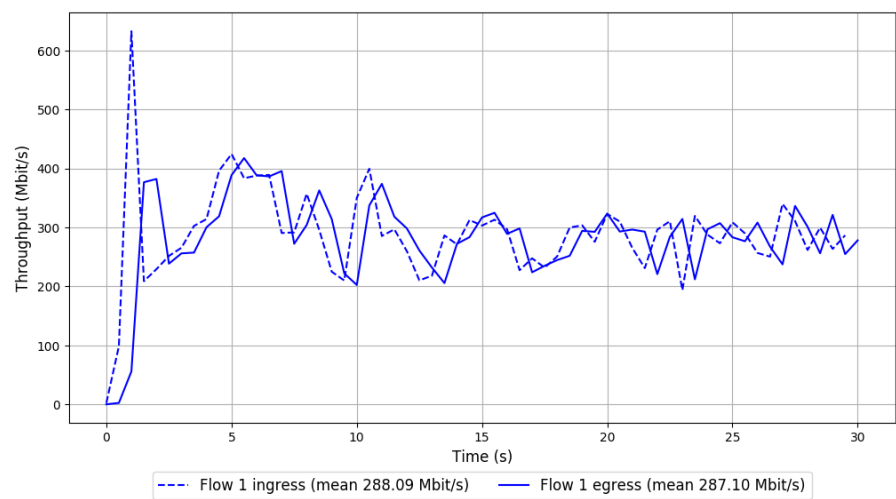


Run 6: Statistics of Verus

Start at: 2018-07-27 04:11:44
End at: 2018-07-27 04:12:14
Local clock offset: -0.023 ms
Remote clock offset: -1.273 ms

Below is generated by plot.py at 2018-07-27 07:55:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 287.10 Mbit/s
95th percentile per-packet one-way delay: 86.368 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 287.10 Mbit/s
95th percentile per-packet one-way delay: 86.368 ms
Loss rate: 0.68%

Run 6: Report of Verus — Data Link

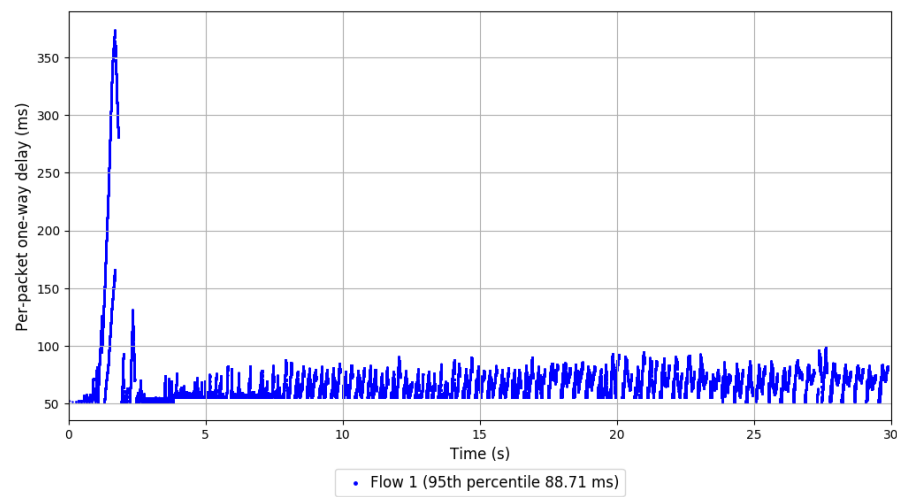
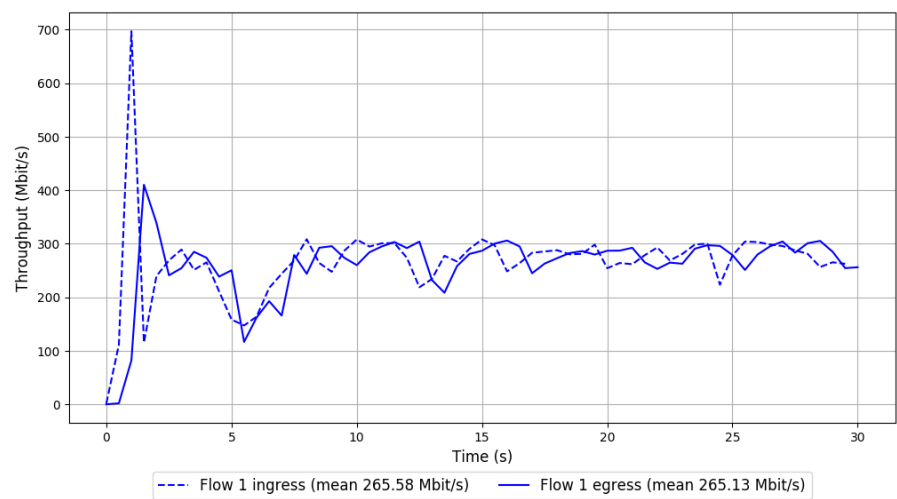


Run 7: Statistics of Verus

Start at: 2018-07-27 04:33:24
End at: 2018-07-27 04:33:54
Local clock offset: 0.078 ms
Remote clock offset: -1.462 ms

Below is generated by plot.py at 2018-07-27 07:55:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 265.13 Mbit/s
95th percentile per-packet one-way delay: 88.709 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 265.13 Mbit/s
95th percentile per-packet one-way delay: 88.709 ms
Loss rate: 0.56%

Run 7: Report of Verus — Data Link

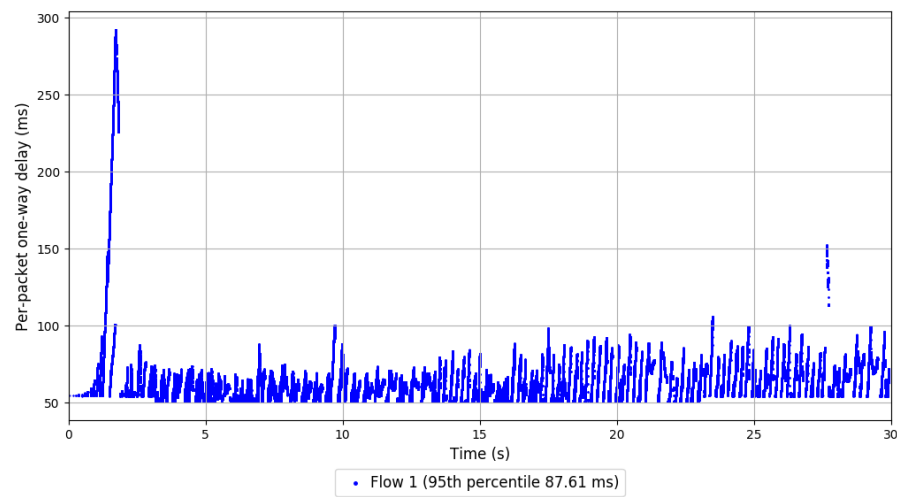
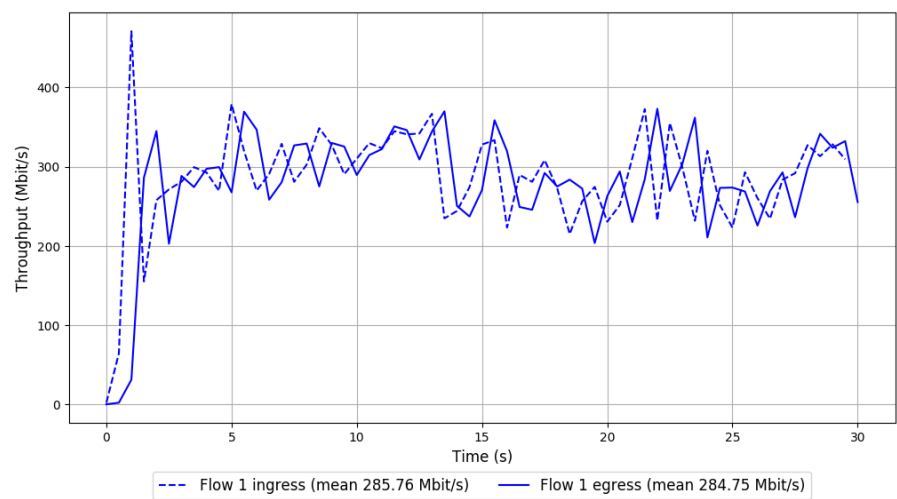


Run 8: Statistics of Verus

Start at: 2018-07-27 04:55:34
End at: 2018-07-27 04:56:04
Local clock offset: 0.165 ms
Remote clock offset: -0.264 ms

Below is generated by plot.py at 2018-07-27 07:56:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 284.75 Mbit/s
95th percentile per-packet one-way delay: 87.612 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 284.75 Mbit/s
95th percentile per-packet one-way delay: 87.612 ms
Loss rate: 0.55%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-27 05:17:26

End at: 2018-07-27 05:17:56

Local clock offset: -0.025 ms

Remote clock offset: 1.317 ms

Below is generated by plot.py at 2018-07-27 07:56:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 243.52 Mbit/s

95th percentile per-packet one-way delay: 181.566 ms

Loss rate: 0.88%

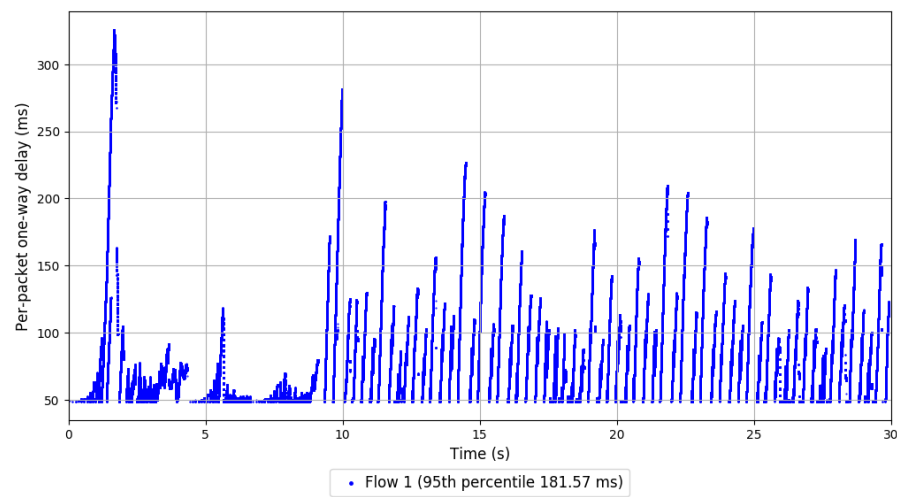
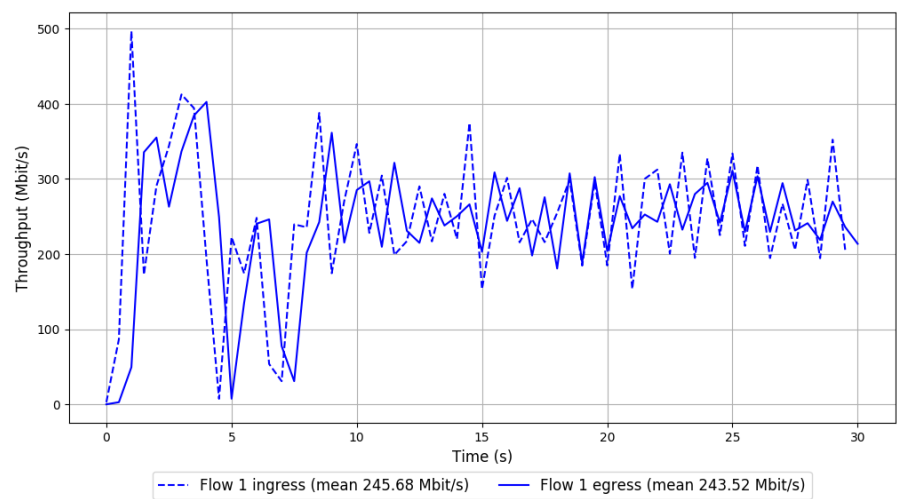
-- Flow 1:

Average throughput: 243.52 Mbit/s

95th percentile per-packet one-way delay: 181.566 ms

Loss rate: 0.88%

Run 9: Report of Verus — Data Link

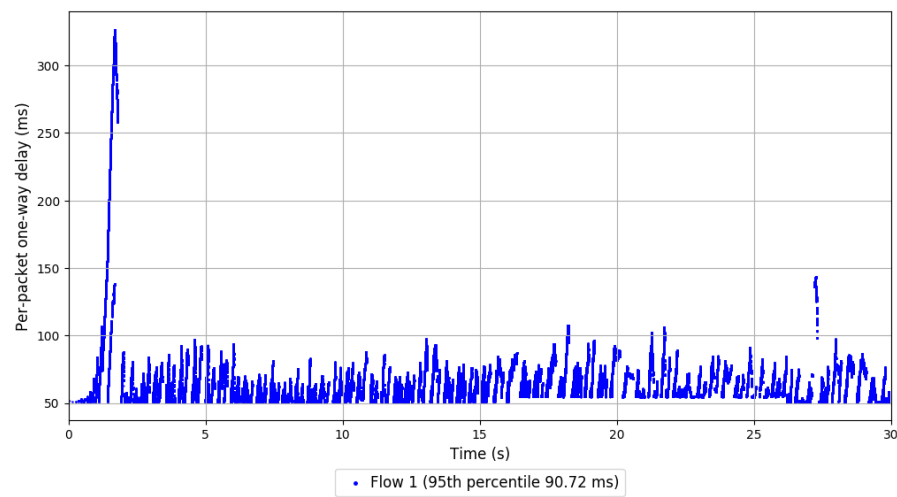
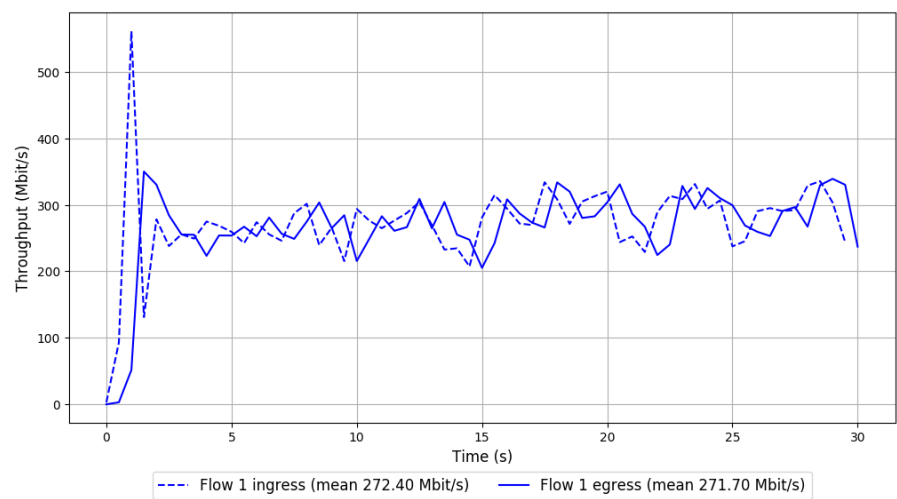


Run 10: Statistics of Verus

Start at: 2018-07-27 05:39:11
End at: 2018-07-27 05:39:41
Local clock offset: -0.226 ms
Remote clock offset: -1.278 ms

Below is generated by plot.py at 2018-07-27 07:58:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 271.70 Mbit/s
95th percentile per-packet one-way delay: 90.721 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 271.70 Mbit/s
95th percentile per-packet one-way delay: 90.721 ms
Loss rate: 0.43%

Run 10: Report of Verus — Data Link

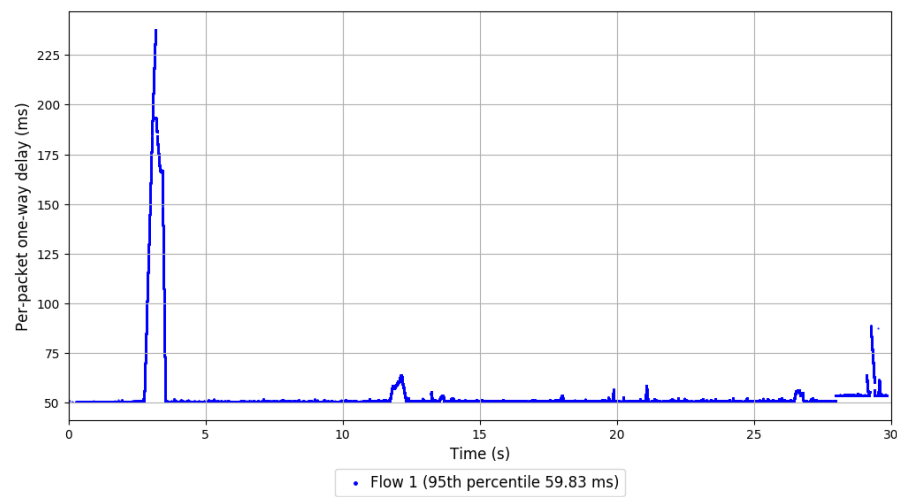
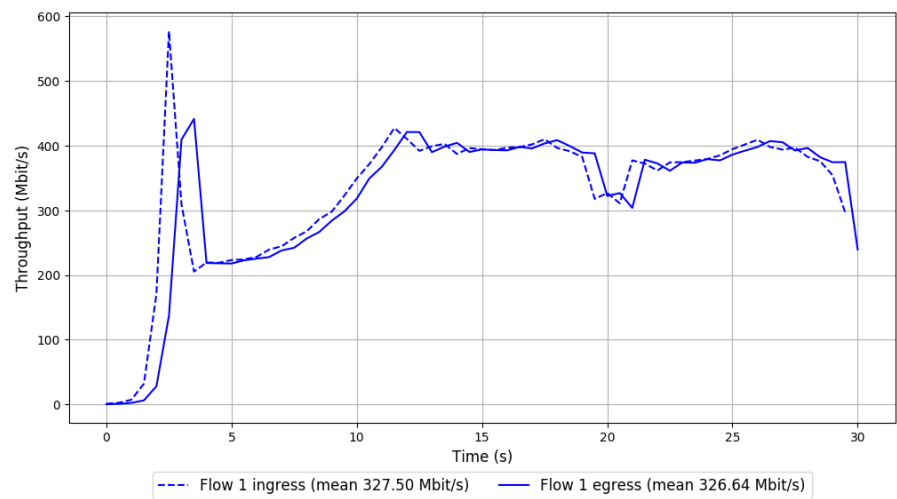


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-27 02:25:59
End at: 2018-07-27 02:26:29
Local clock offset: -0.185 ms
Remote clock offset: -0.364 ms

Below is generated by plot.py at 2018-07-27 07:59:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 326.64 Mbit/s
95th percentile per-packet one-way delay: 59.827 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 326.64 Mbit/s
95th percentile per-packet one-way delay: 59.827 ms
Loss rate: 0.61%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-27 02:47:54

End at: 2018-07-27 02:48:24

Local clock offset: 0.092 ms

Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-07-27 08:00:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 339.51 Mbit/s

95th percentile per-packet one-way delay: 81.239 ms

Loss rate: 0.43%

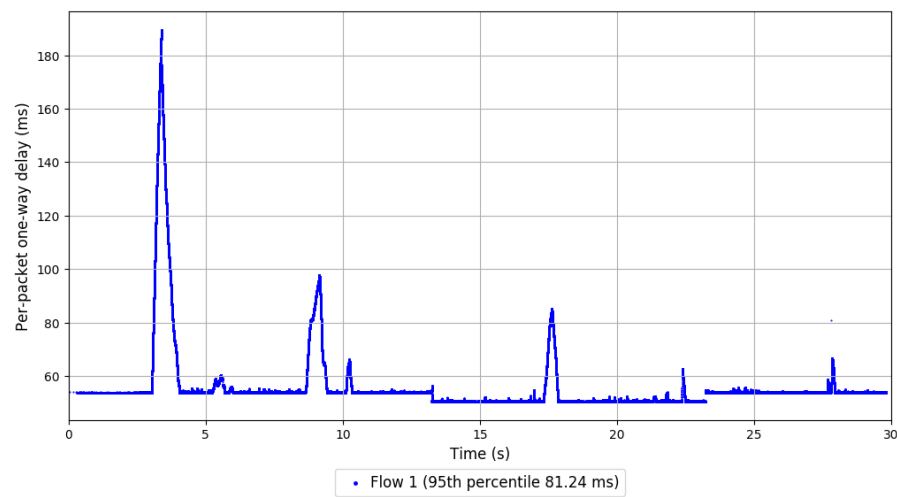
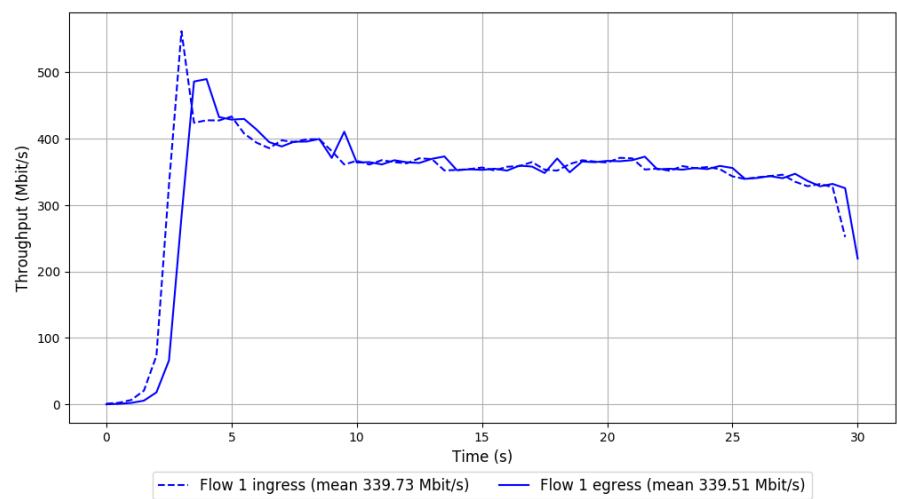
-- Flow 1:

Average throughput: 339.51 Mbit/s

95th percentile per-packet one-way delay: 81.239 ms

Loss rate: 0.43%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-27 03:09:26

End at: 2018-07-27 03:09:56

Local clock offset: -0.03 ms

Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-27 08:01:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 340.67 Mbit/s

95th percentile per-packet one-way delay: 62.645 ms

Loss rate: 0.37%

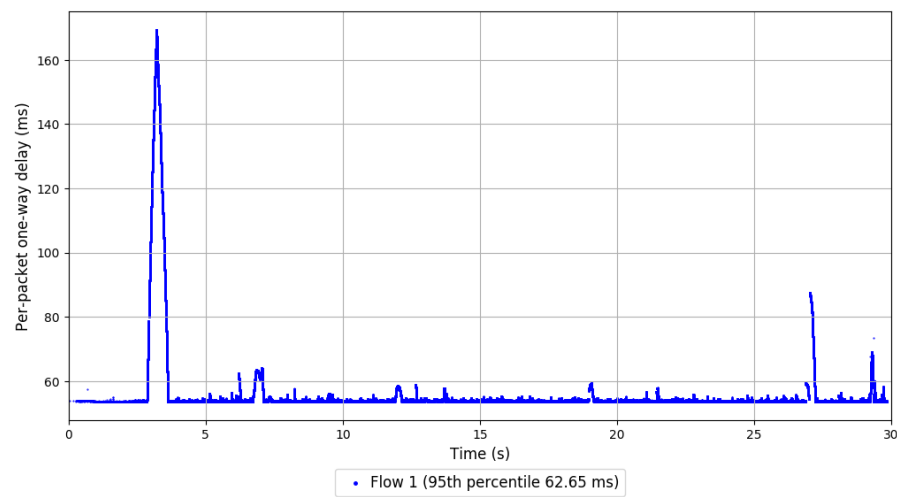
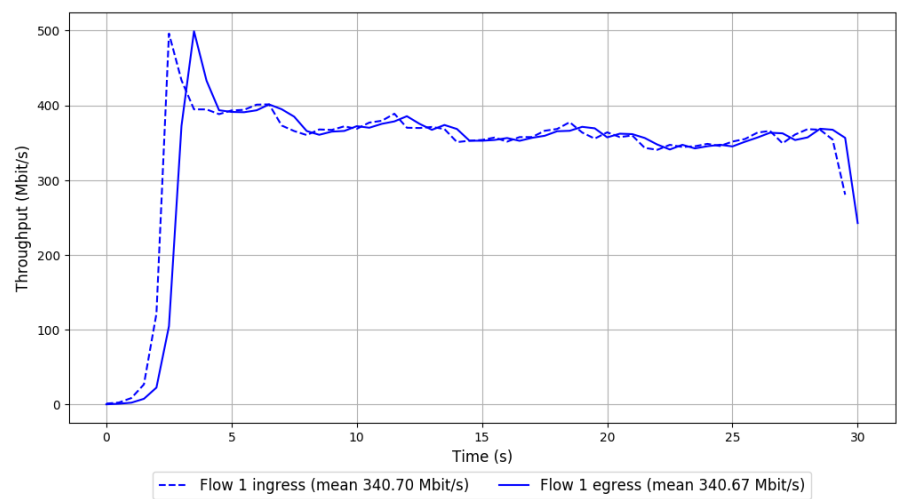
-- Flow 1:

Average throughput: 340.67 Mbit/s

95th percentile per-packet one-way delay: 62.645 ms

Loss rate: 0.37%

Run 3: Report of PCC-Vivace — Data Link

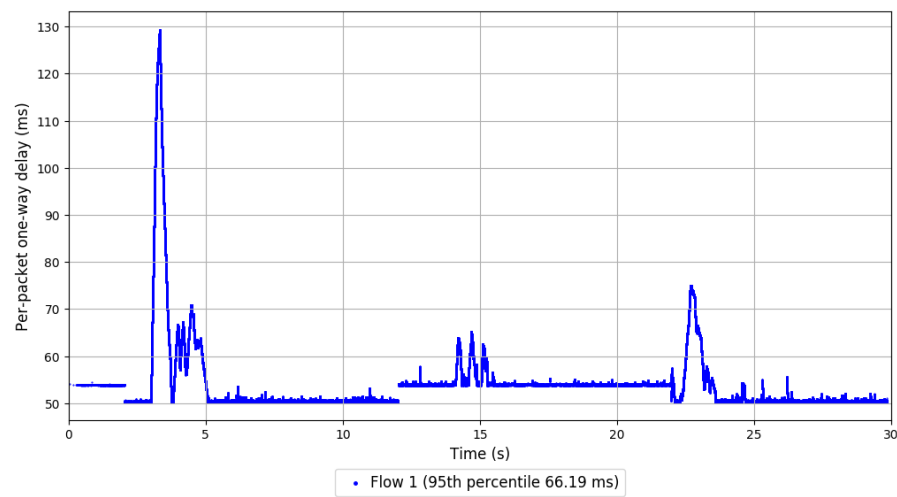
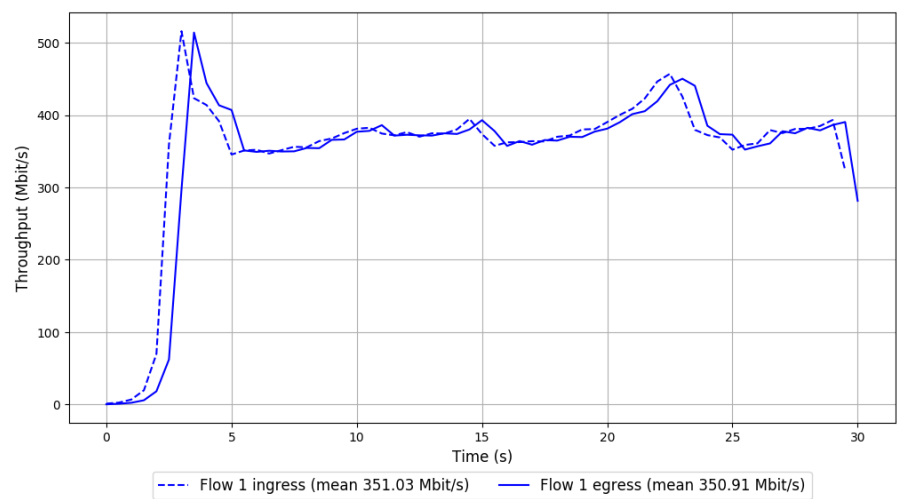


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-27 03:30:55
End at: 2018-07-27 03:31:25
Local clock offset: 0.066 ms
Remote clock offset: -0.193 ms

Below is generated by plot.py at 2018-07-27 08:03:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 350.91 Mbit/s
95th percentile per-packet one-way delay: 66.191 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 350.91 Mbit/s
95th percentile per-packet one-way delay: 66.191 ms
Loss rate: 0.39%

Run 4: Report of PCC-Vivace — Data Link

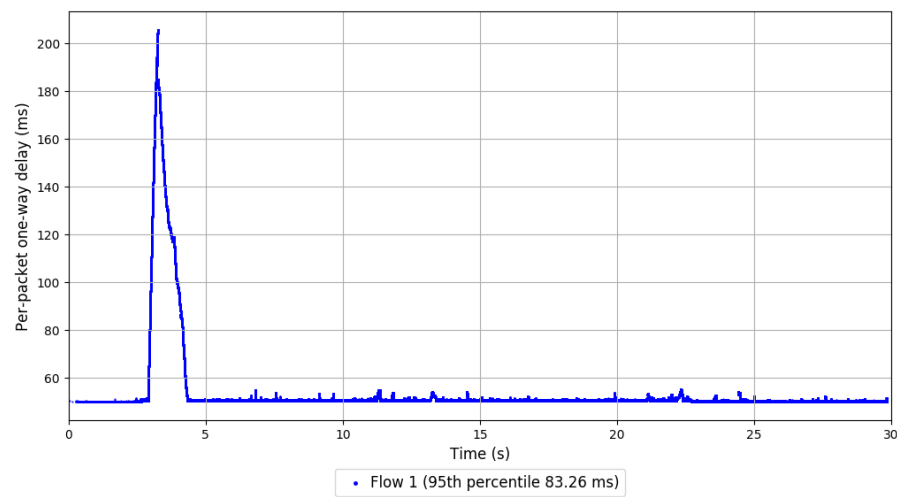
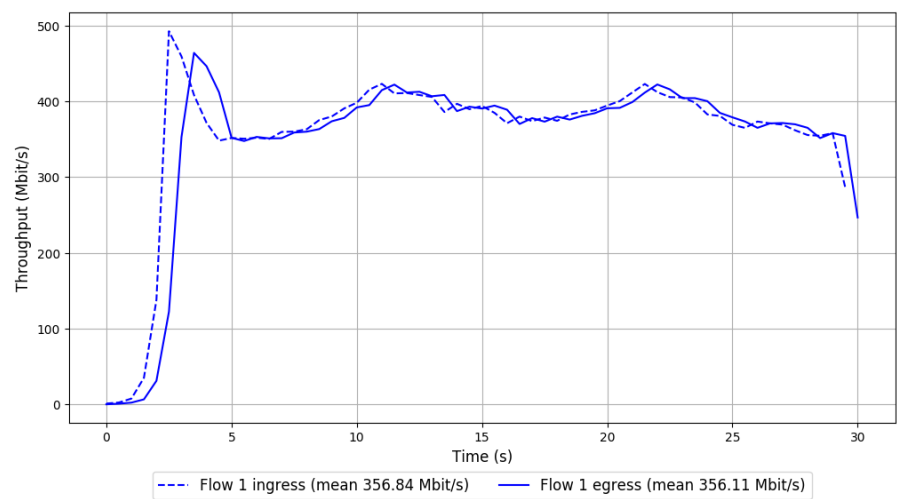


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-27 03:52:45
End at: 2018-07-27 03:53:15
Local clock offset: -0.031 ms
Remote clock offset: -0.225 ms

Below is generated by plot.py at 2018-07-27 08:03:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 356.11 Mbit/s
95th percentile per-packet one-way delay: 83.257 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 356.11 Mbit/s
95th percentile per-packet one-way delay: 83.257 ms
Loss rate: 0.55%

Run 5: Report of PCC-Vivace — Data Link

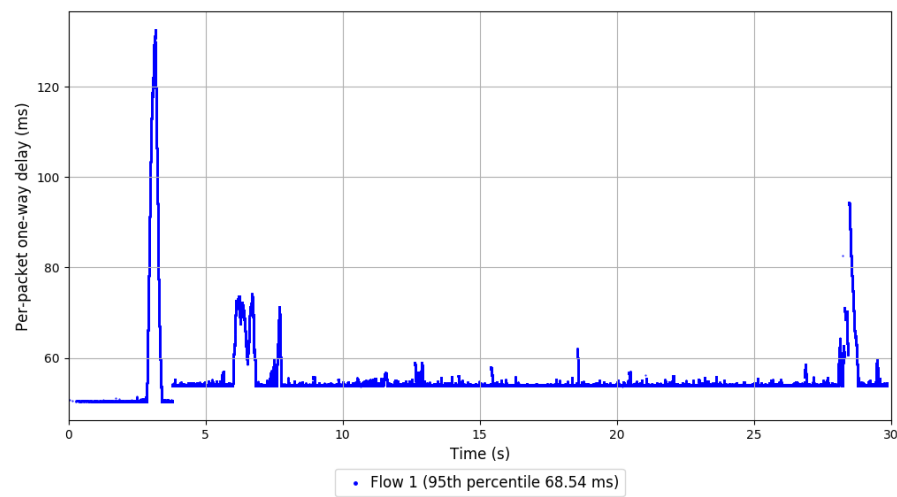
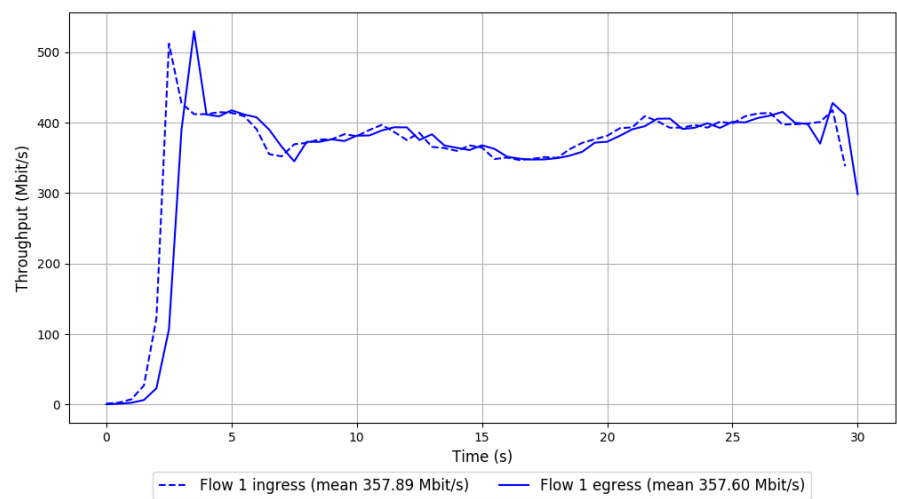


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-27 04:14:14
End at: 2018-07-27 04:14:44
Local clock offset: -0.001 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-07-27 08:04:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 357.60 Mbit/s
95th percentile per-packet one-way delay: 68.544 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 357.60 Mbit/s
95th percentile per-packet one-way delay: 68.544 ms
Loss rate: 0.42%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-27 04:35:51

End at: 2018-07-27 04:36:21

Local clock offset: -0.243 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-07-27 08:04:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 353.34 Mbit/s

95th percentile per-packet one-way delay: 68.022 ms

Loss rate: 0.56%

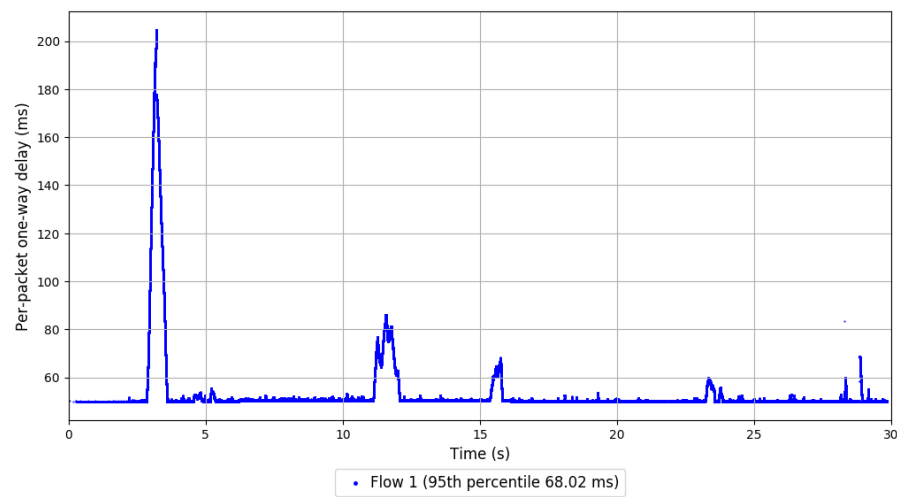
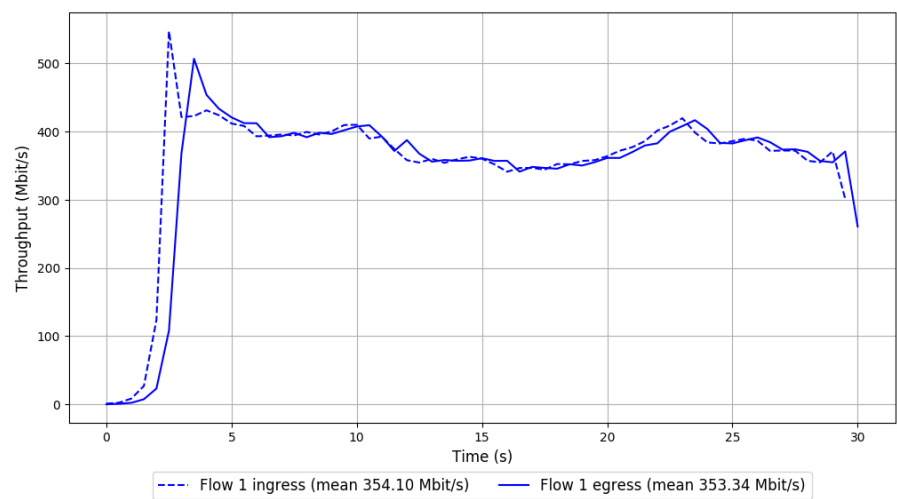
-- Flow 1:

Average throughput: 353.34 Mbit/s

95th percentile per-packet one-way delay: 68.022 ms

Loss rate: 0.56%

Run 7: Report of PCC-Vivace — Data Link

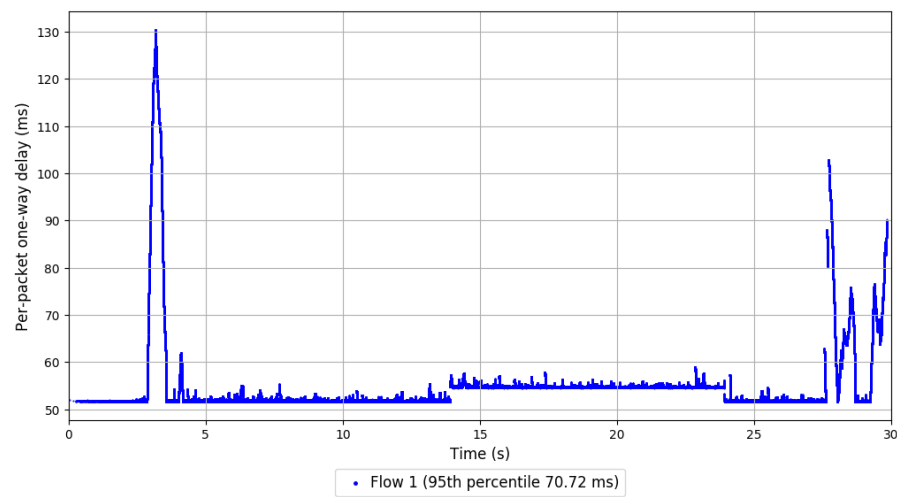
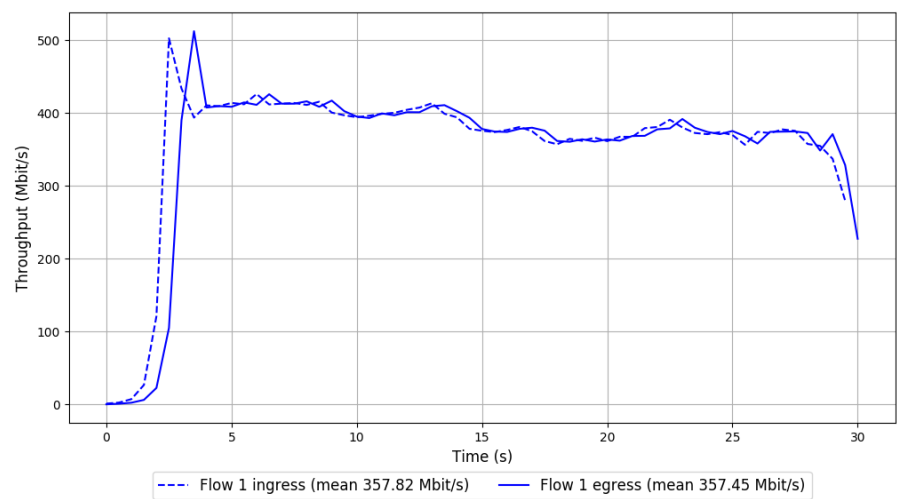


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-27 04:58:03
End at: 2018-07-27 04:58:33
Local clock offset: -0.172 ms
Remote clock offset: -1.378 ms

Below is generated by plot.py at 2018-07-27 08:05:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 357.45 Mbit/s
95th percentile per-packet one-way delay: 70.715 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 357.45 Mbit/s
95th percentile per-packet one-way delay: 70.715 ms
Loss rate: 0.45%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-27 05:19:52

End at: 2018-07-27 05:20:22

Local clock offset: 0.182 ms

Remote clock offset: -1.134 ms

Below is generated by plot.py at 2018-07-27 08:05:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 339.71 Mbit/s

95th percentile per-packet one-way delay: 64.798 ms

Loss rate: 0.45%

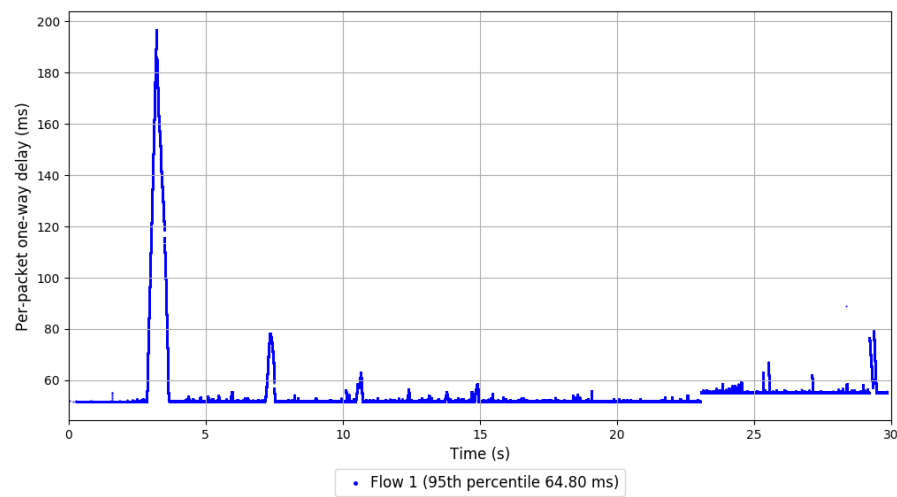
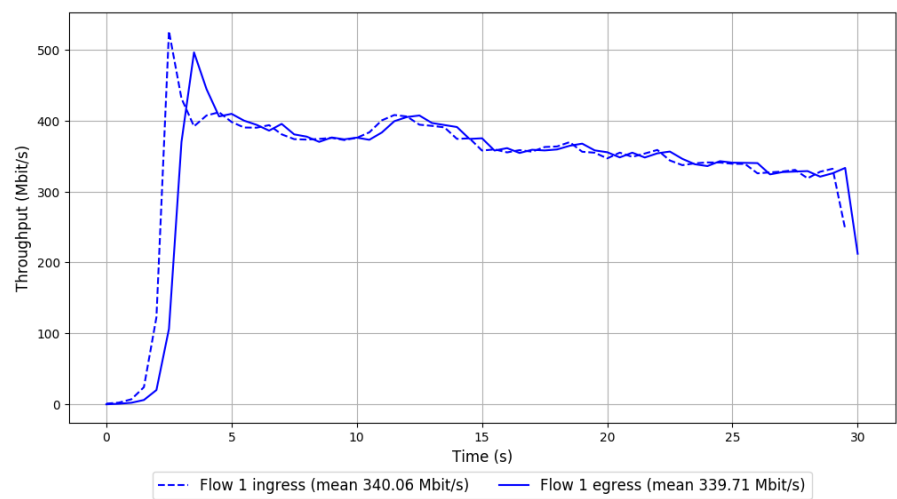
-- Flow 1:

Average throughput: 339.71 Mbit/s

95th percentile per-packet one-way delay: 64.798 ms

Loss rate: 0.45%

Run 9: Report of PCC-Vivace — Data Link

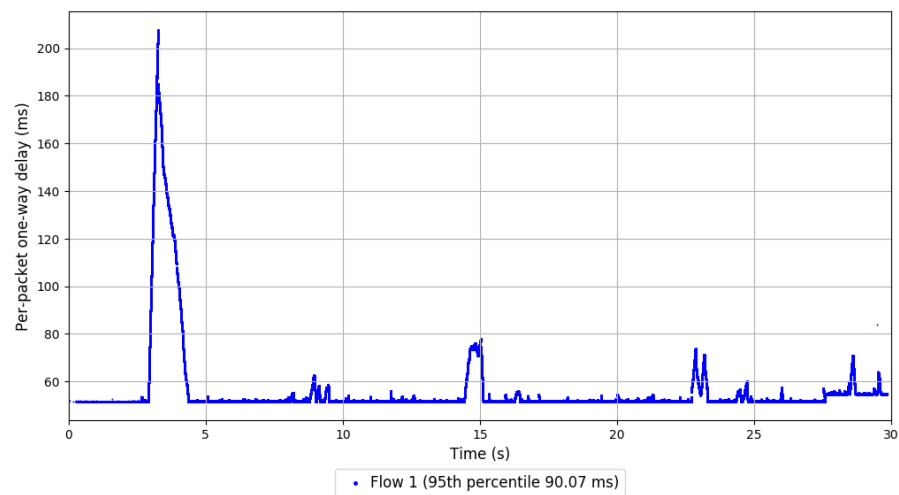
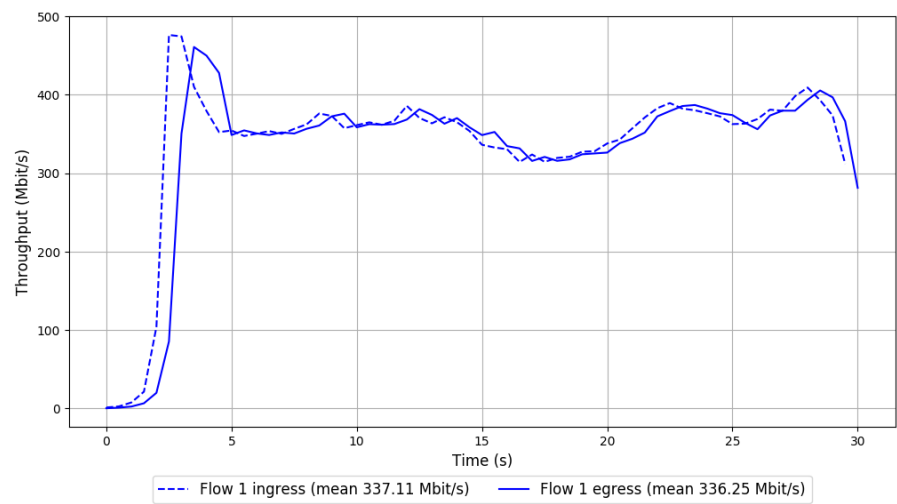


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-27 05:41:40
End at: 2018-07-27 05:42:10
Local clock offset: -0.035 ms
Remote clock offset: -1.225 ms

Below is generated by plot.py at 2018-07-27 08:05:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 336.25 Mbit/s
95th percentile per-packet one-way delay: 90.069 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 336.25 Mbit/s
95th percentile per-packet one-way delay: 90.069 ms
Loss rate: 0.59%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-27 02:24:53

End at: 2018-07-27 02:25:23

Local clock offset: -0.06 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-07-27 08:05:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.70 Mbit/s

95th percentile per-packet one-way delay: 50.335 ms

Loss rate: 0.49%

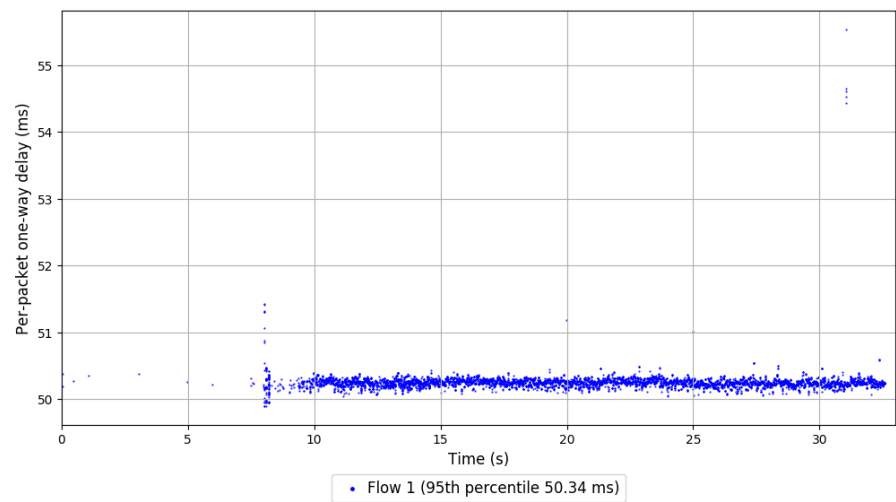
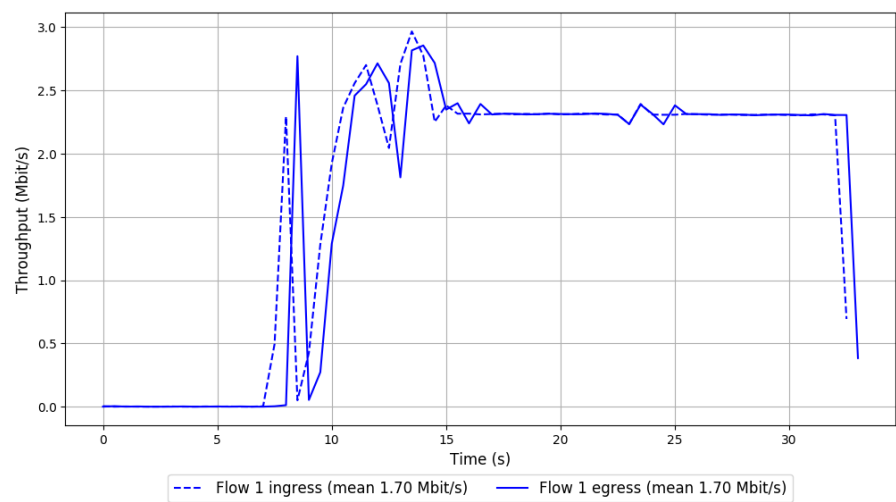
-- Flow 1:

Average throughput: 1.70 Mbit/s

95th percentile per-packet one-way delay: 50.335 ms

Loss rate: 0.49%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-27 02:46:48

End at: 2018-07-27 02:47:18

Local clock offset: -0.146 ms

Remote clock offset: 0.095 ms

Below is generated by plot.py at 2018-07-27 08:05:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 53.534 ms

Loss rate: 0.42%

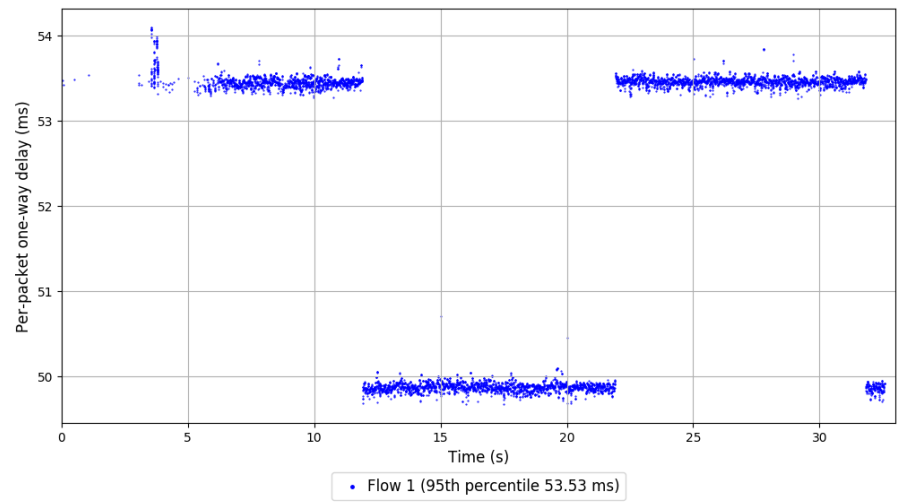
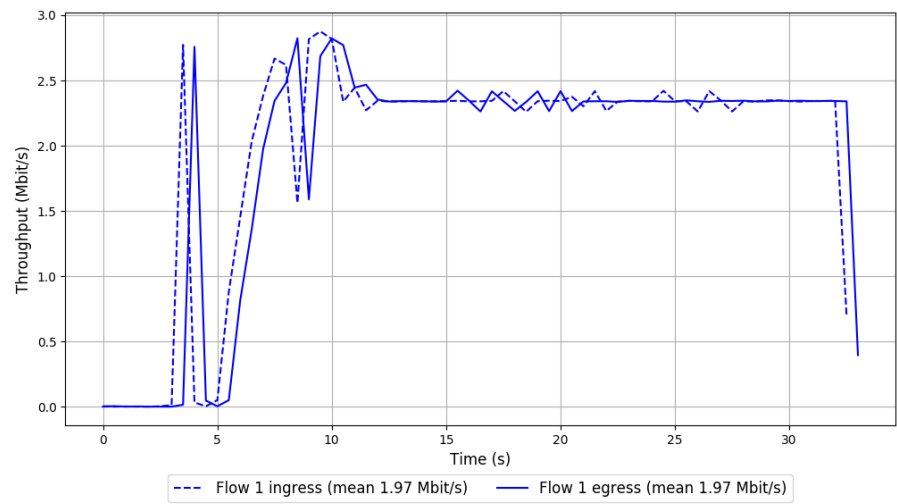
-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 53.534 ms

Loss rate: 0.42%

Run 2: Report of WebRTC media — Data Link

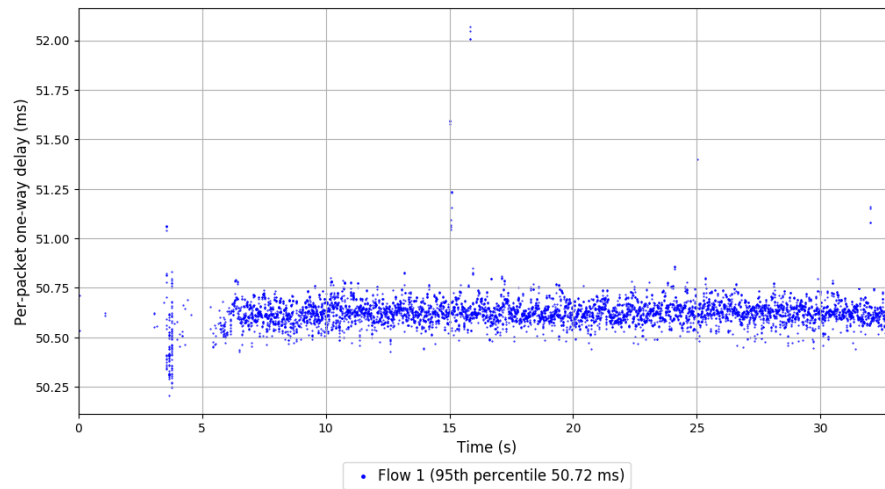
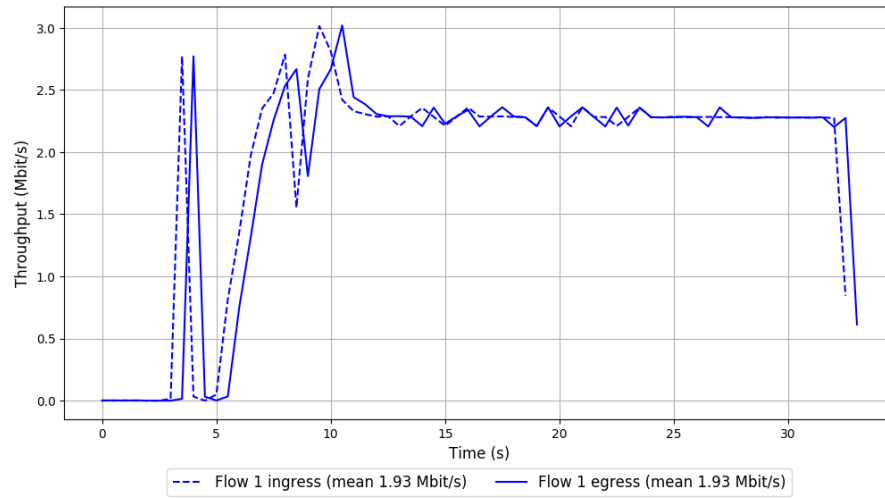


Run 3: Statistics of WebRTC media

Start at: 2018-07-27 03:08:21
End at: 2018-07-27 03:08:51
Local clock offset: 0.065 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-07-27 08:05:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 50.722 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 50.722 ms
Loss rate: 0.42%

Run 3: Report of WebRTC media — Data Link

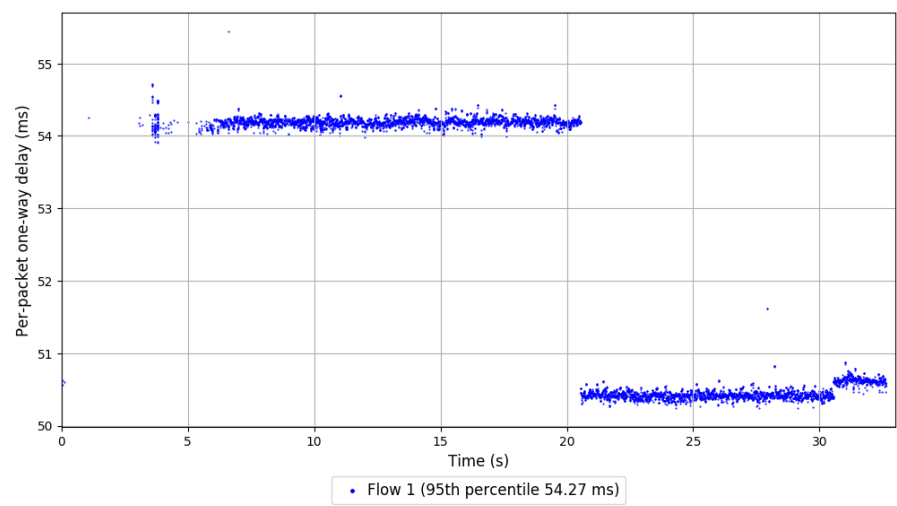
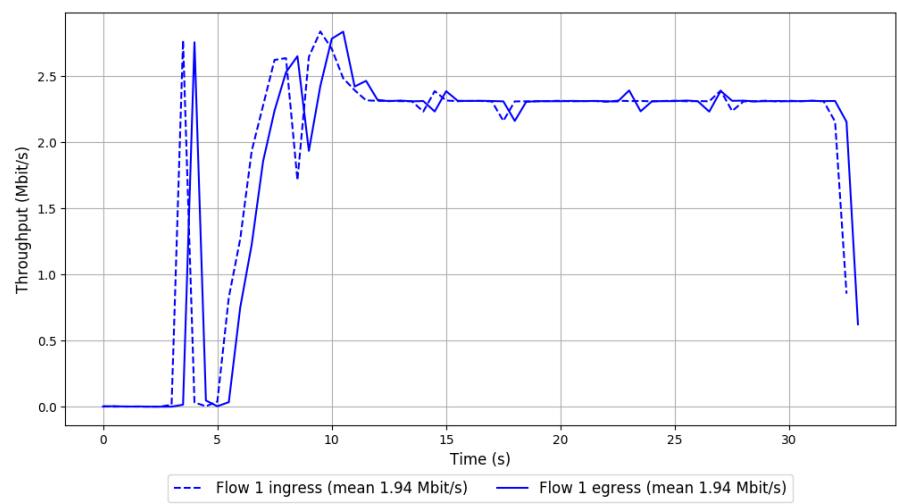


Run 4: Statistics of WebRTC media

Start at: 2018-07-27 03:29:50
End at: 2018-07-27 03:30:20
Local clock offset: 0.172 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2018-07-27 08:05:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 54.265 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 54.265 ms
Loss rate: 0.37%

Run 4: Report of WebRTC media — Data Link

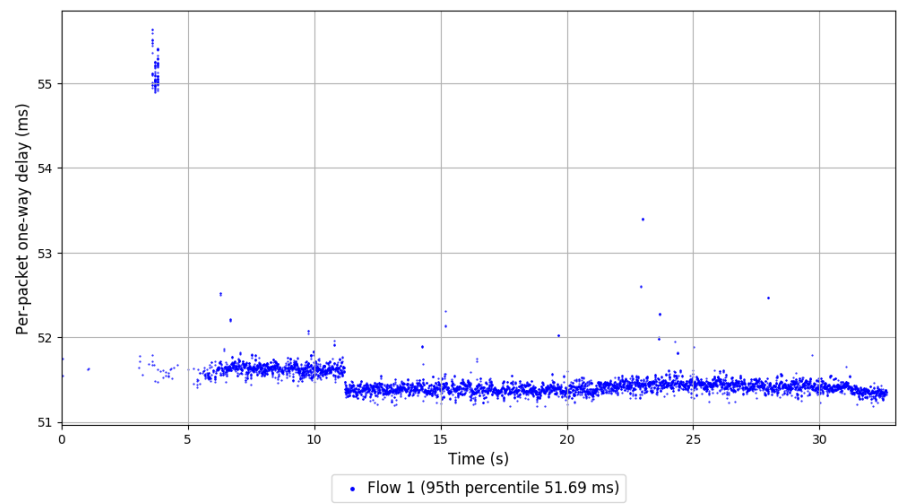
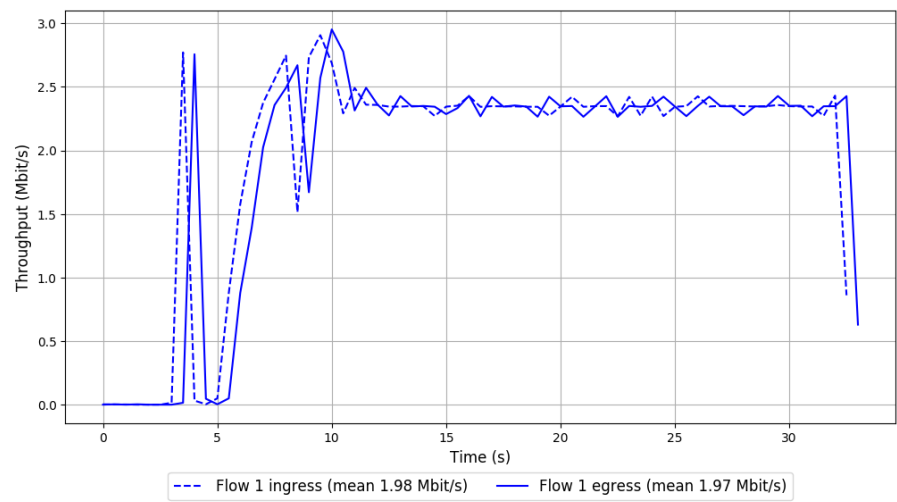


Run 5: Statistics of WebRTC media

Start at: 2018-07-27 03:51:39
End at: 2018-07-27 03:52:09
Local clock offset: -0.073 ms
Remote clock offset: -1.372 ms

Below is generated by plot.py at 2018-07-27 08:05:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 51.693 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 51.693 ms
Loss rate: 0.36%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-27 04:13:08

End at: 2018-07-27 04:13:38

Local clock offset: 0.193 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-07-27 08:05:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 54.066 ms

Loss rate: 0.36%

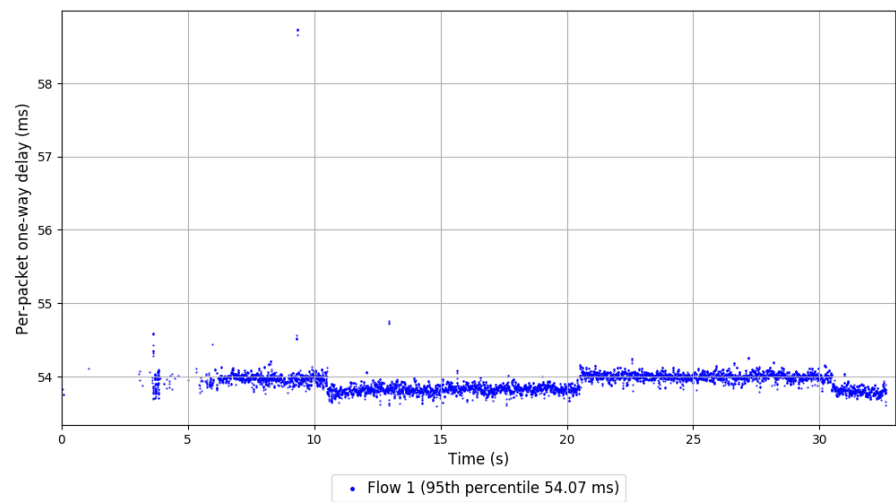
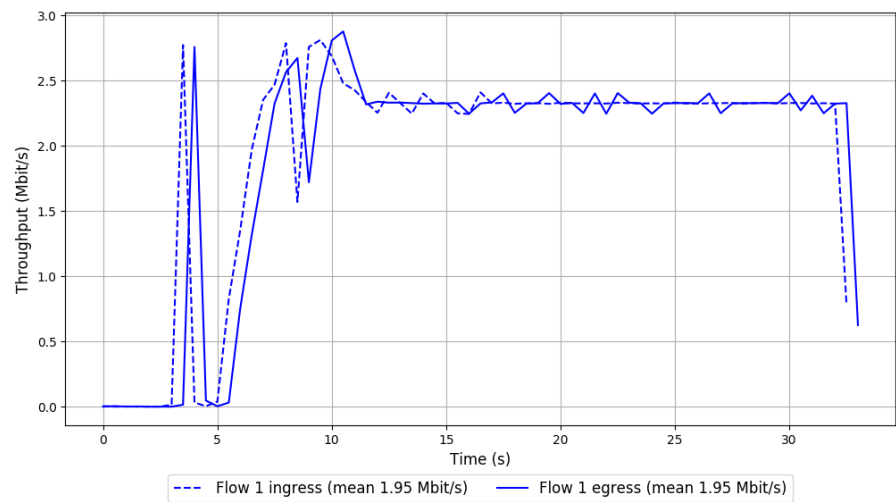
-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 54.066 ms

Loss rate: 0.36%

Run 6: Report of WebRTC media — Data Link

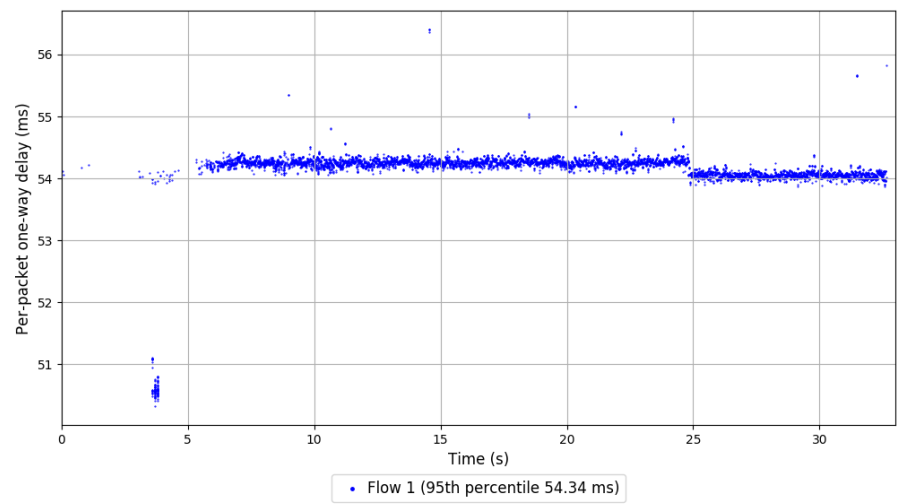
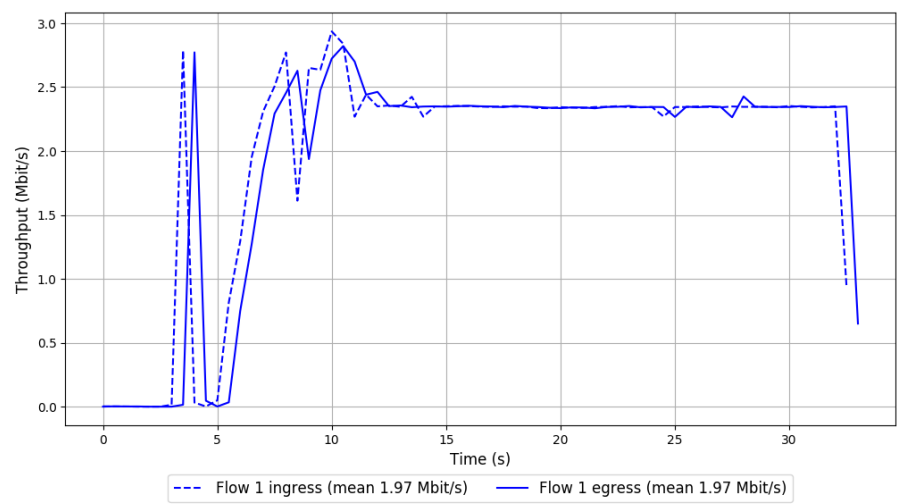


Run 7: Statistics of WebRTC media

Start at: 2018-07-27 04:34:45
End at: 2018-07-27 04:35:15
Local clock offset: 0.08 ms
Remote clock offset: -0.301 ms

Below is generated by plot.py at 2018-07-27 08:05:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 54.339 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 54.339 ms
Loss rate: 0.41%

Run 7: Report of WebRTC media — Data Link

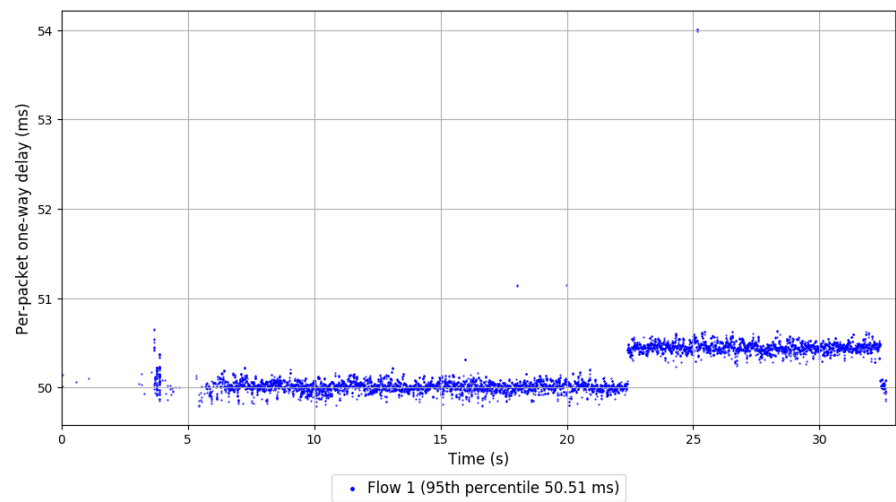
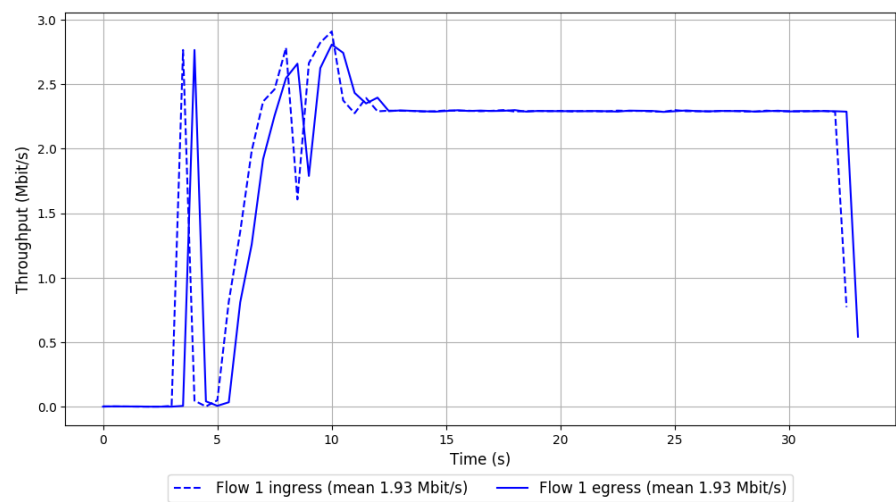


Run 8: Statistics of WebRTC media

Start at: 2018-07-27 04:56:58
End at: 2018-07-27 04:57:28
Local clock offset: -0.148 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-27 08:05:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 50.509 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 50.509 ms
Loss rate: 0.36%

Run 8: Report of WebRTC media — Data Link

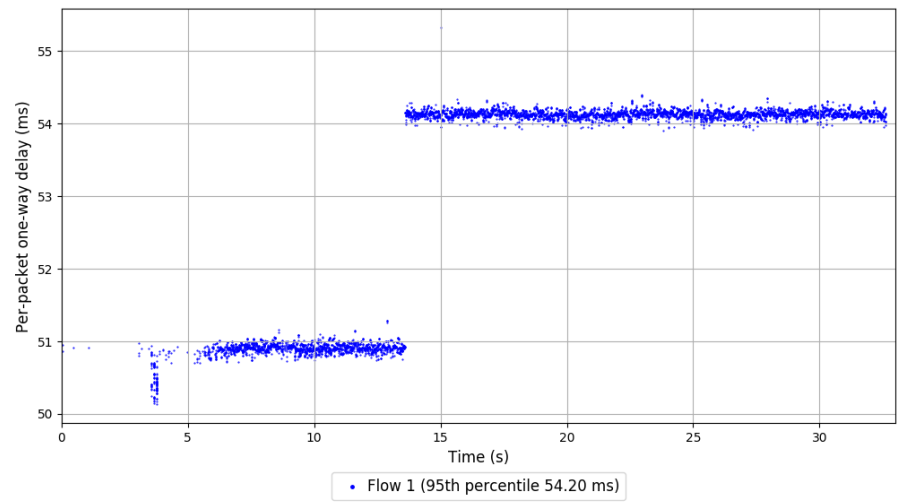
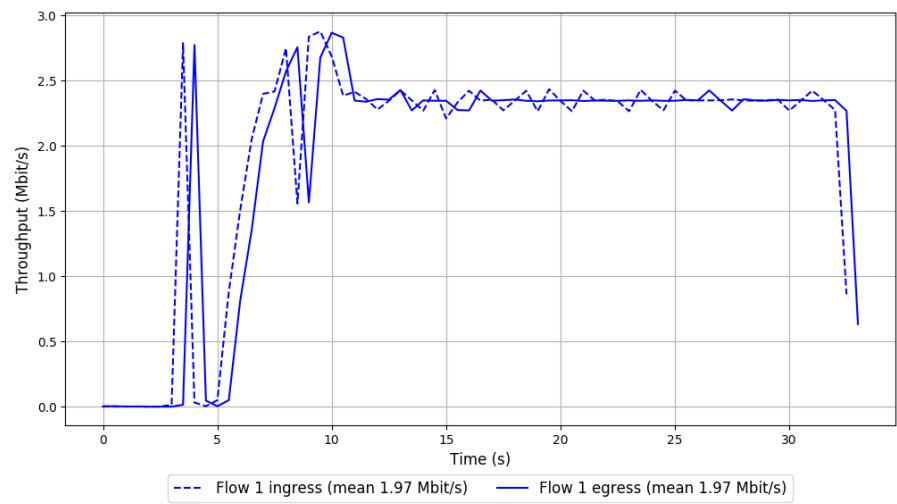


Run 9: Statistics of WebRTC media

Start at: 2018-07-27 05:18:47
End at: 2018-07-27 05:19:17
Local clock offset: 0.039 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-07-27 08:05:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 54.201 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 54.201 ms
Loss rate: 0.42%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-27 05:40:34

End at: 2018-07-27 05:41:04

Local clock offset: 0.269 ms

Remote clock offset: 0.246 ms

Below is generated by plot.py at 2018-07-27 08:05:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 53.801 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 53.801 ms

Loss rate: 0.42%

Run 10: Report of WebRTC media — Data Link

