

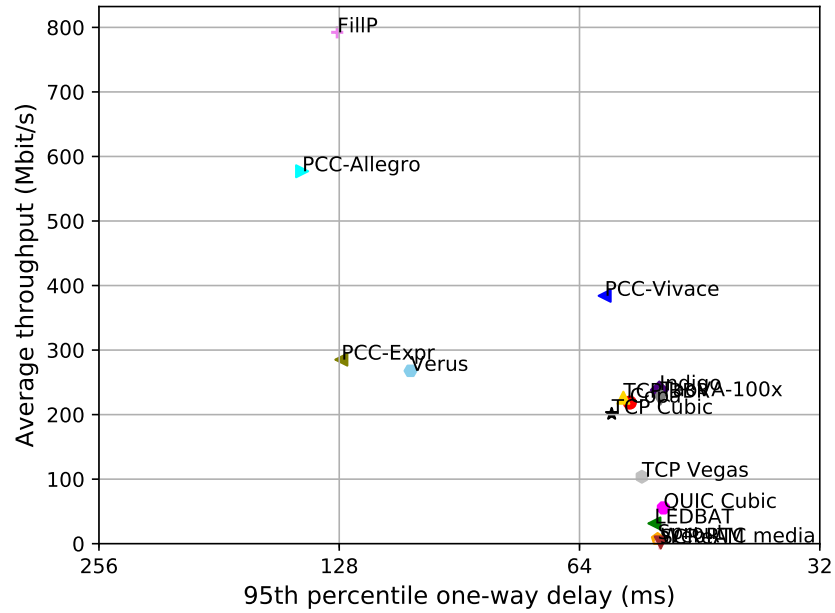
Pantheon Report

Generated at 2018-06-01 10:02:04 (UTC).
Data path: GCE London Ethernet (*local*) → GCE Iowa Ethernet (*remote*).
Repeated the test of 16 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.

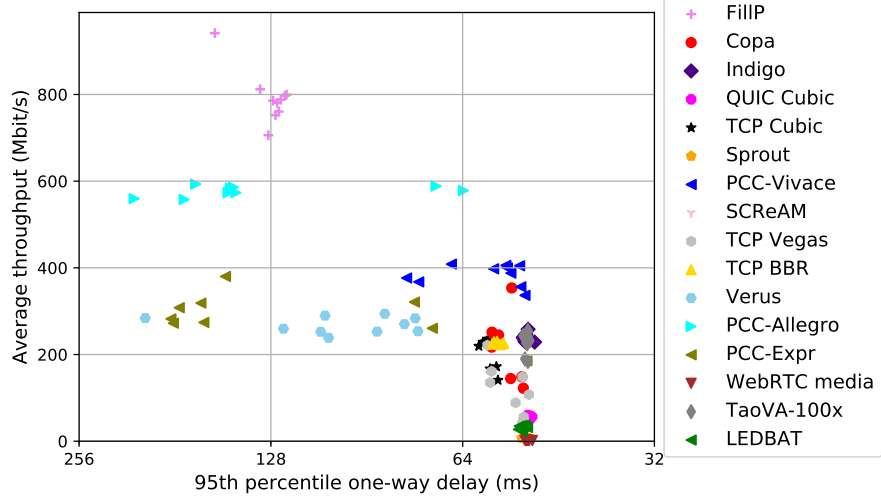
Git summary:

```
branch: master @ 227fdf9a3757f17b88537cceed5743a33037a3d2
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



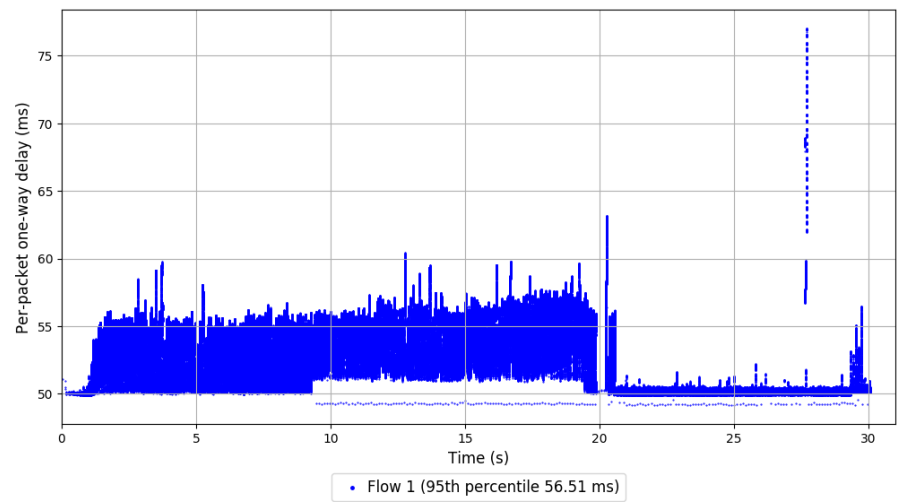
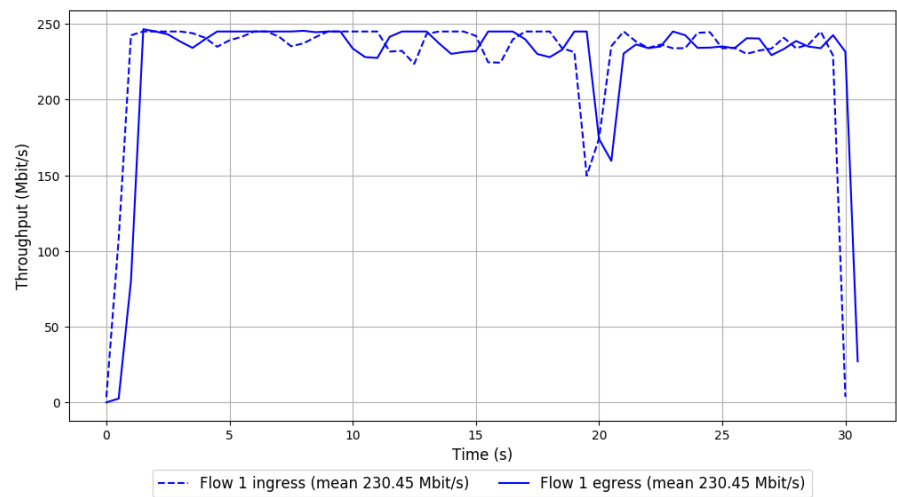
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	226.21	56.40	0.00
Copa	10	218.61	55.36	0.00
TCP Cubic	10	201.11	58.33	0.02
FillP	10	792.33	128.75	4.31
Indigo	10	238.09	50.84	0.00
LEDBAT	10	31.39	51.57	0.00
PCC-Allegro	10	577.07	142.46	1.11
PCC-Expr	10	285.20	127.23	1.75
QUIC Cubic	9	55.43	50.24	0.00
SCReAM	10	0.22	50.75	0.00
Sprout	10	7.27	51.09	0.00
TaoVA-100x	10	228.51	50.69	0.00
TCP Vegas	10	103.74	53.46	0.00
Verus	10	267.85	104.21	0.94
PCC-Vivace	10	384.11	59.53	0.09
WebRTC media	10	1.89	50.63	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-06-01 05:03:15
End at: 2018-06-01 05:03:45
Local clock offset: -0.416 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-06-01 08:39:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 230.45 Mbit/s
95th percentile per-packet one-way delay: 56.512 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 230.45 Mbit/s
95th percentile per-packet one-way delay: 56.512 ms
Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-06-01 05:23:55

End at: 2018-06-01 05:24:25

Local clock offset: 0.062 ms

Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-06-01 08:39:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.07 Mbit/s

95th percentile per-packet one-way delay: 57.143 ms

Loss rate: 0.01%

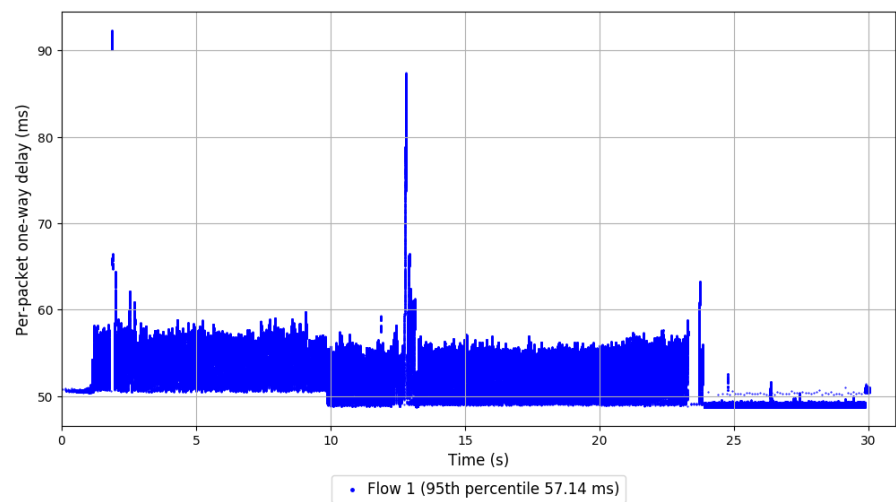
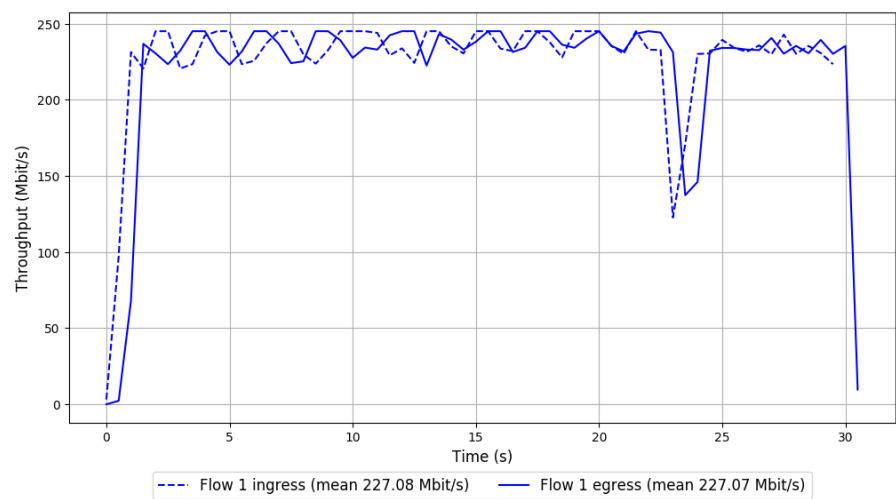
-- Flow 1:

Average throughput: 227.07 Mbit/s

95th percentile per-packet one-way delay: 57.143 ms

Loss rate: 0.01%

Run 2: Report of TCP BBR — Data Link

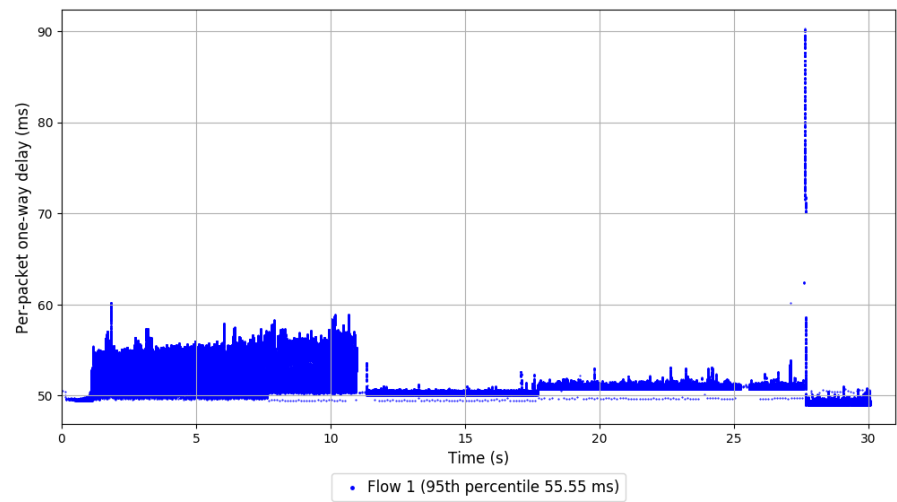
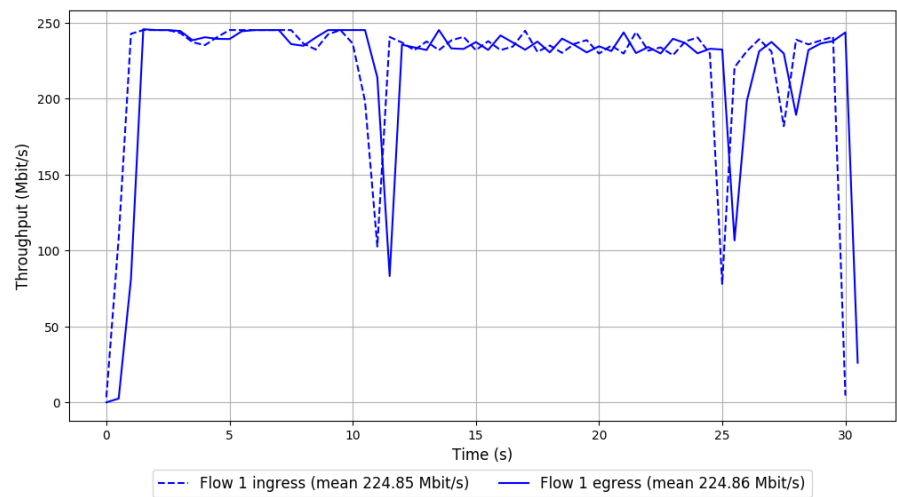


Run 3: Statistics of TCP BBR

Start at: 2018-06-01 05:44:17
End at: 2018-06-01 05:44:47
Local clock offset: 0.077 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-06-01 08:39:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 224.86 Mbit/s
95th percentile per-packet one-way delay: 55.546 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 224.86 Mbit/s
95th percentile per-packet one-way delay: 55.546 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link

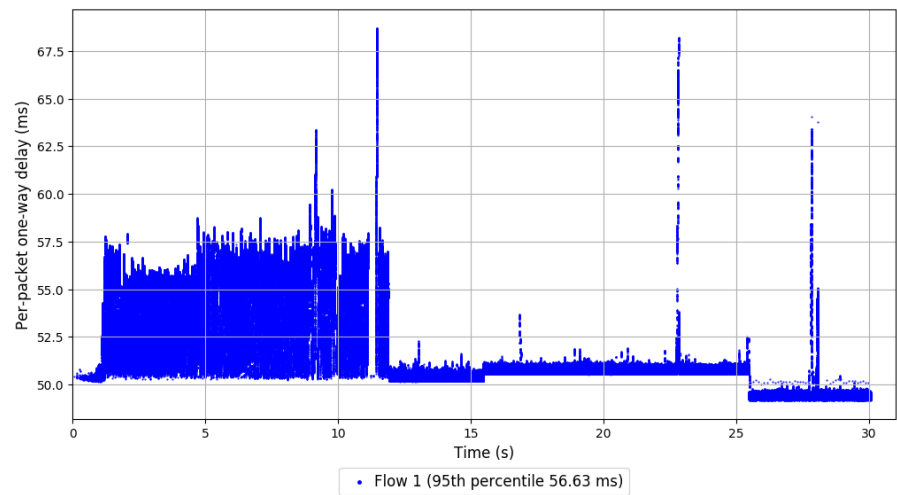
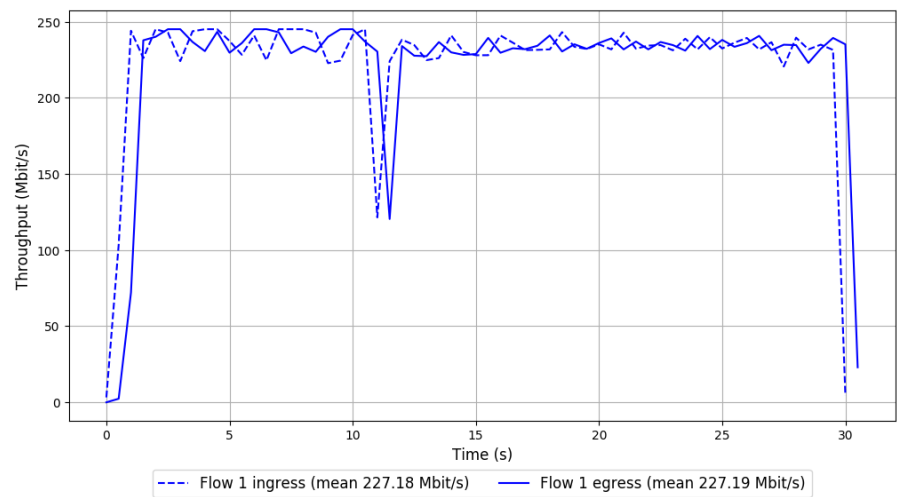


Run 4: Statistics of TCP BBR

Start at: 2018-06-01 06:04:59
End at: 2018-06-01 06:05:29
Local clock offset: -0.319 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-06-01 08:39:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 227.19 Mbit/s
95th percentile per-packet one-way delay: 56.634 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 227.19 Mbit/s
95th percentile per-packet one-way delay: 56.634 ms
Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-06-01 06:25:44

End at: 2018-06-01 06:26:14

Local clock offset: 0.057 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-06-01 08:39:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.70 Mbit/s

95th percentile per-packet one-way delay: 55.215 ms

Loss rate: 0.00%

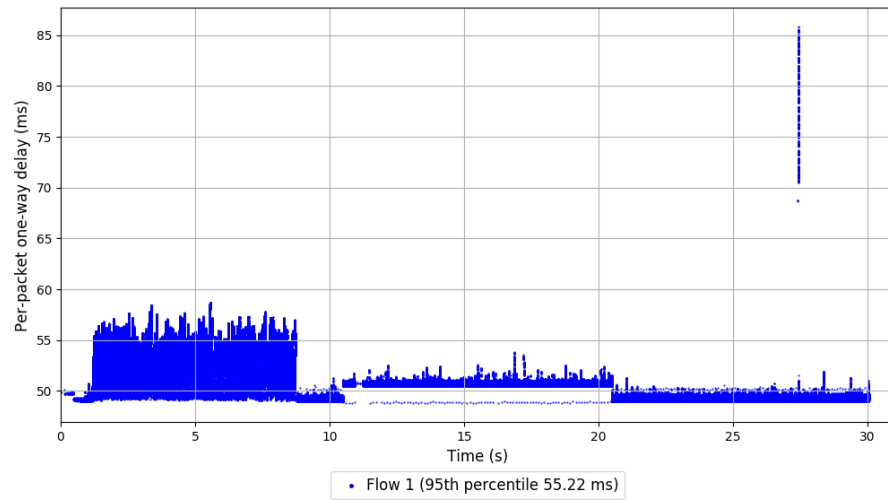
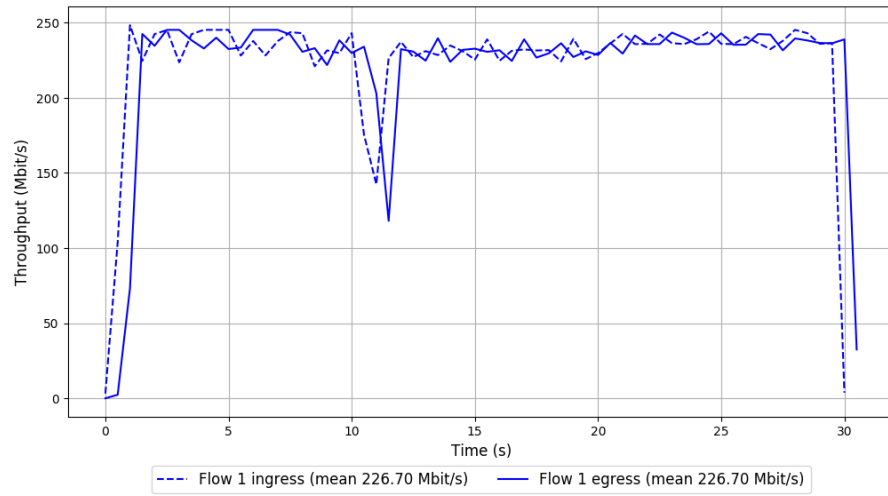
-- Flow 1:

Average throughput: 226.70 Mbit/s

95th percentile per-packet one-way delay: 55.215 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-06-01 06:46:13

End at: 2018-06-01 06:46:43

Local clock offset: -0.338 ms

Remote clock offset: 0.082 ms

Below is generated by plot.py at 2018-06-01 08:39:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.78 Mbit/s

95th percentile per-packet one-way delay: 57.053 ms

Loss rate: 0.00%

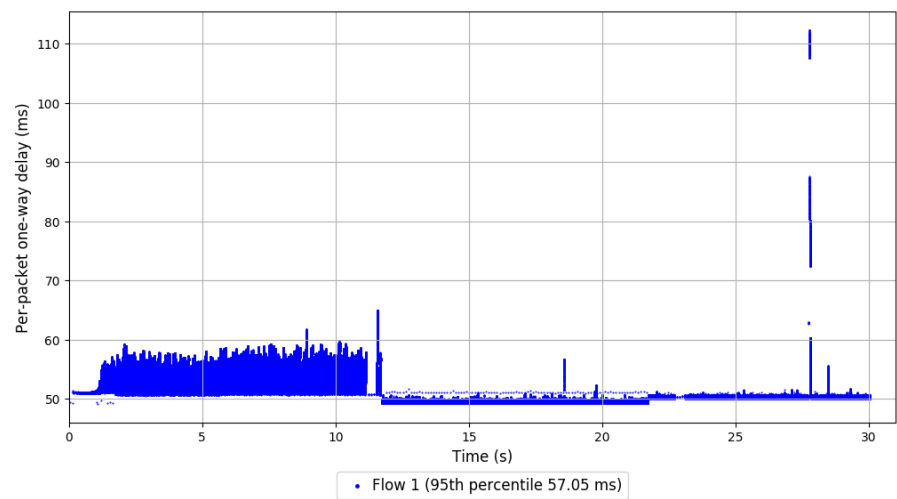
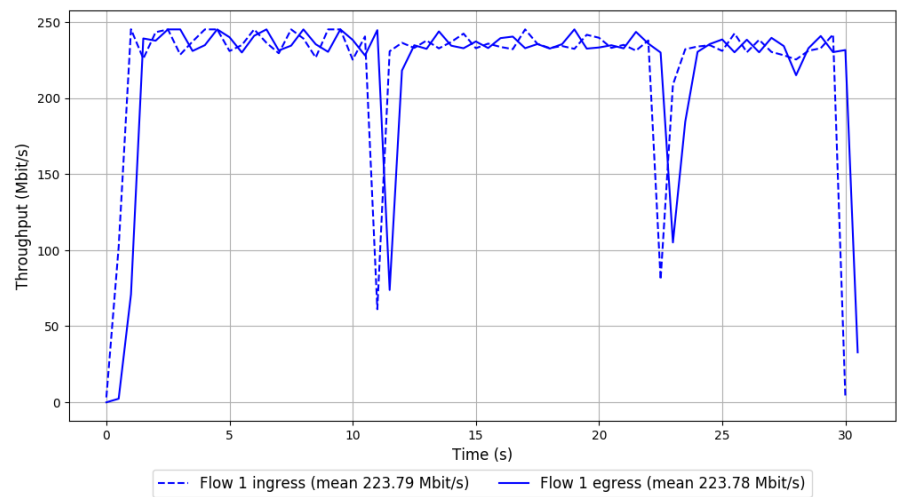
-- Flow 1:

Average throughput: 223.78 Mbit/s

95th percentile per-packet one-way delay: 57.053 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

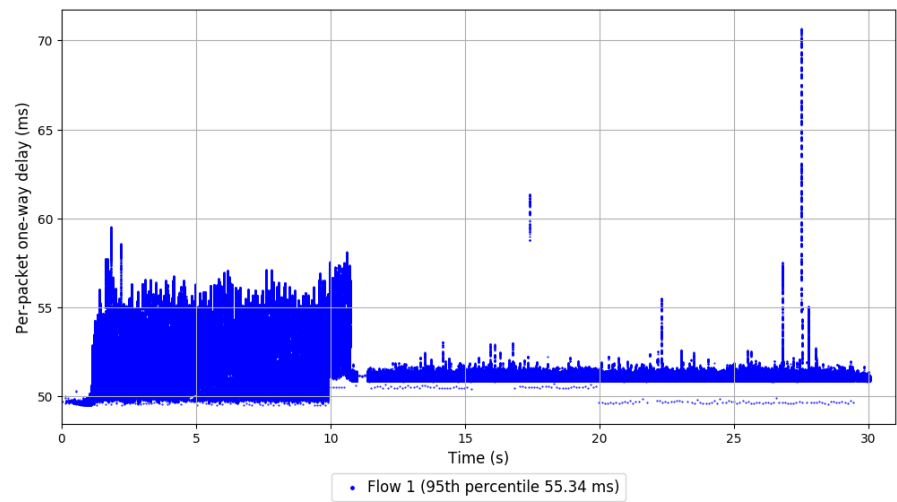
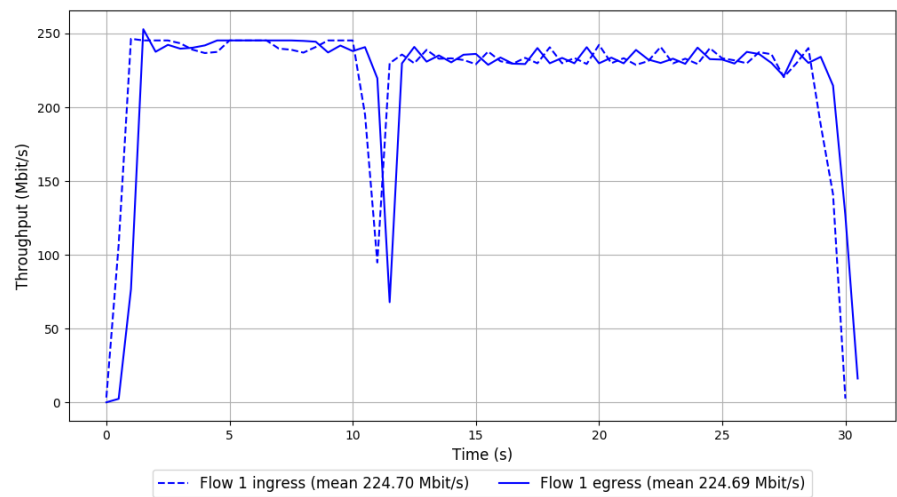


Run 7: Statistics of TCP BBR

Start at: 2018-06-01 07:06:55
End at: 2018-06-01 07:07:25
Local clock offset: 0.034 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-06-01 08:39:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 224.69 Mbit/s
95th percentile per-packet one-way delay: 55.341 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 224.69 Mbit/s
95th percentile per-packet one-way delay: 55.341 ms
Loss rate: 0.01%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-06-01 07:27:31

End at: 2018-06-01 07:28:01

Local clock offset: 0.029 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-06-01 08:39:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.06 Mbit/s

95th percentile per-packet one-way delay: 57.480 ms

Loss rate: 0.00%

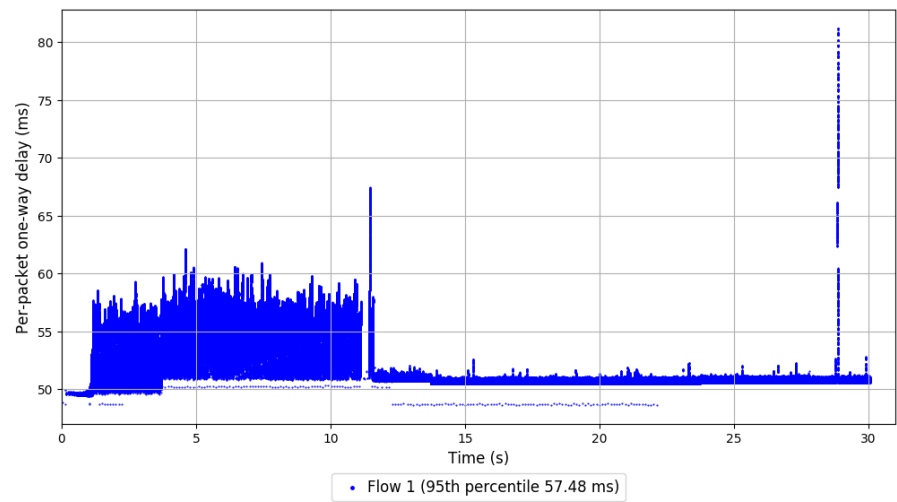
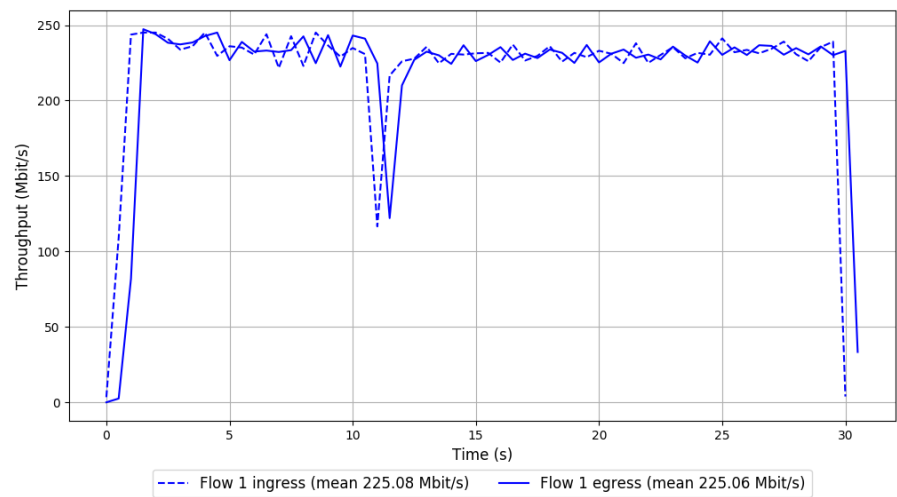
-- Flow 1:

Average throughput: 225.06 Mbit/s

95th percentile per-packet one-way delay: 57.480 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link

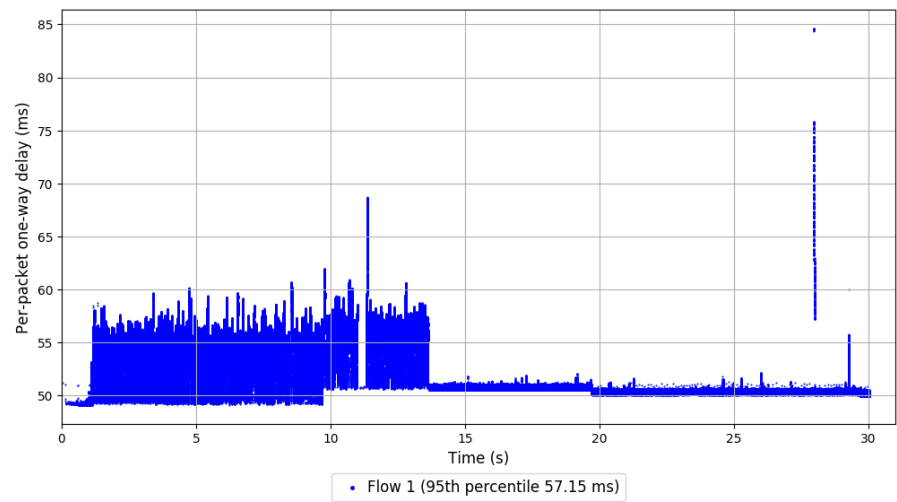
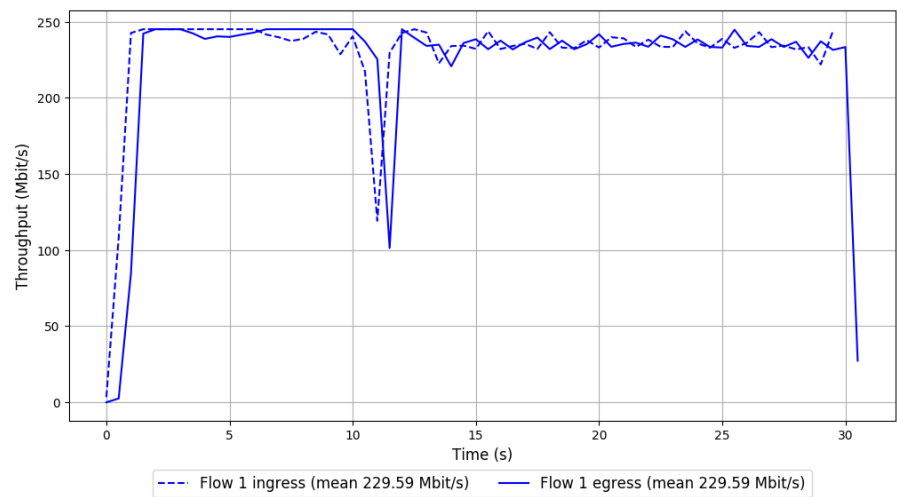


Run 9: Statistics of TCP BBR

Start at: 2018-06-01 07:47:55
End at: 2018-06-01 07:48:25
Local clock offset: -0.387 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-06-01 08:42:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 229.59 Mbit/s
95th percentile per-packet one-way delay: 57.153 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 229.59 Mbit/s
95th percentile per-packet one-way delay: 57.153 ms
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-06-01 08:08:20

End at: 2018-06-01 08:08:50

Local clock offset: 0.022 ms

Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-06-01 08:42:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.73 Mbit/s

95th percentile per-packet one-way delay: 55.912 ms

Loss rate: 0.00%

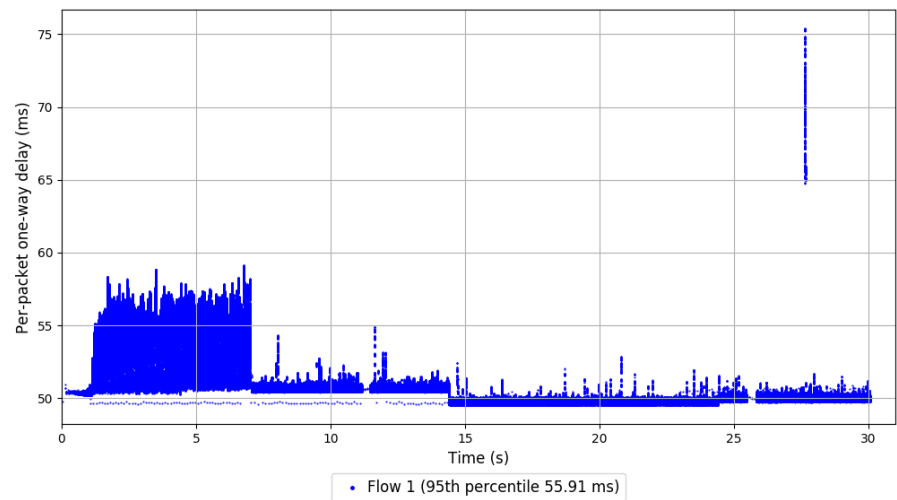
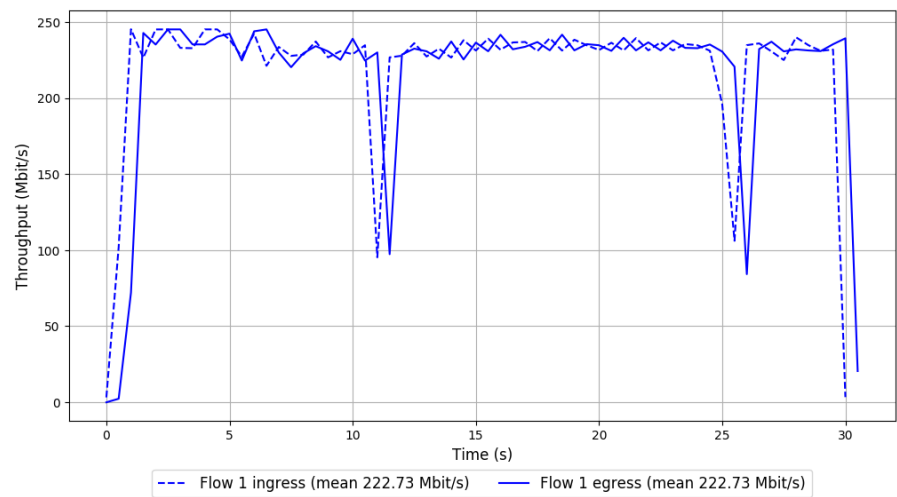
-- Flow 1:

Average throughput: 222.73 Mbit/s

95th percentile per-packet one-way delay: 55.912 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

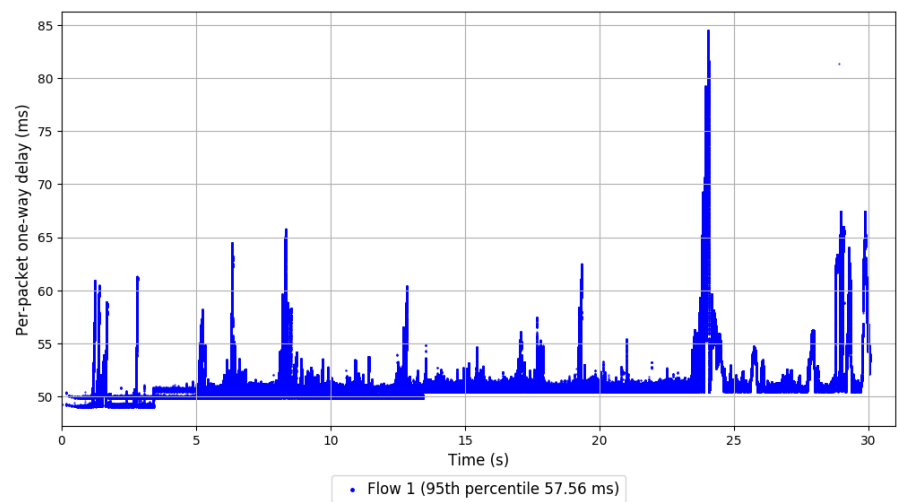
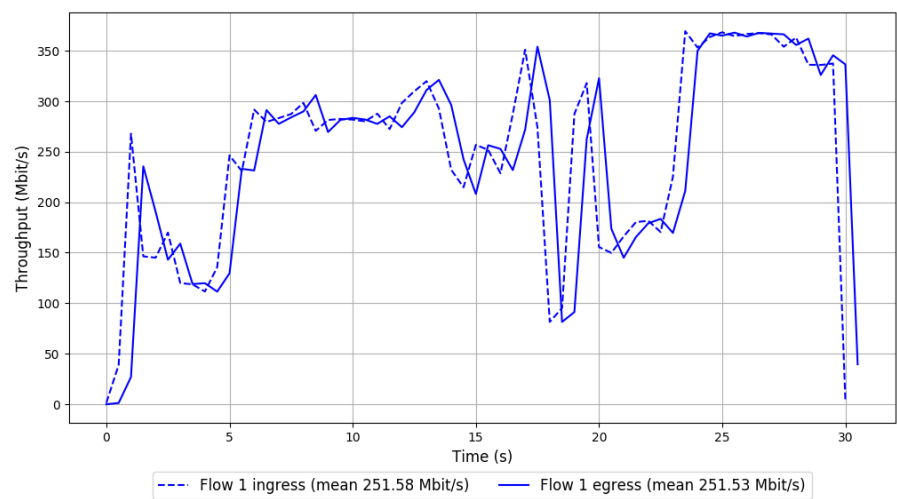


Run 1: Statistics of Copa

Start at: 2018-06-01 05:04:31
End at: 2018-06-01 05:05:01
Local clock offset: -0.354 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-06-01 08:46:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 251.53 Mbit/s
95th percentile per-packet one-way delay: 57.565 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 251.53 Mbit/s
95th percentile per-packet one-way delay: 57.565 ms
Loss rate: 0.01%

Run 1: Report of Copa — Data Link

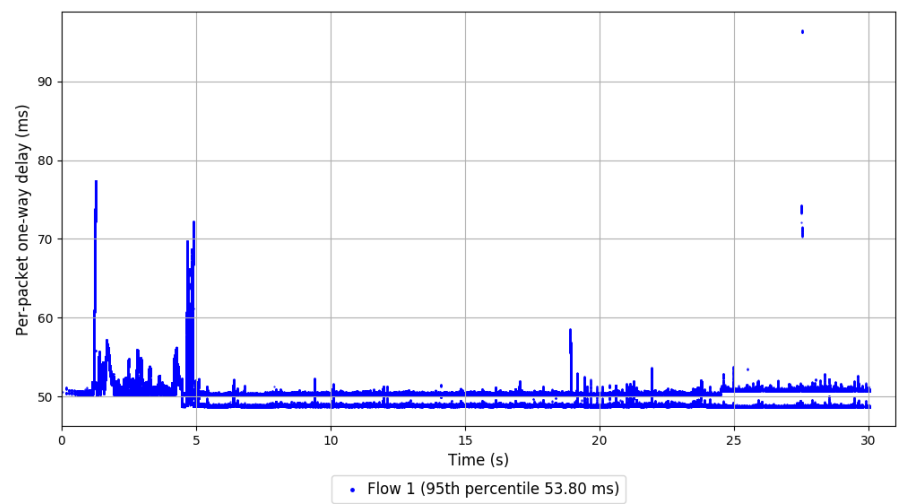
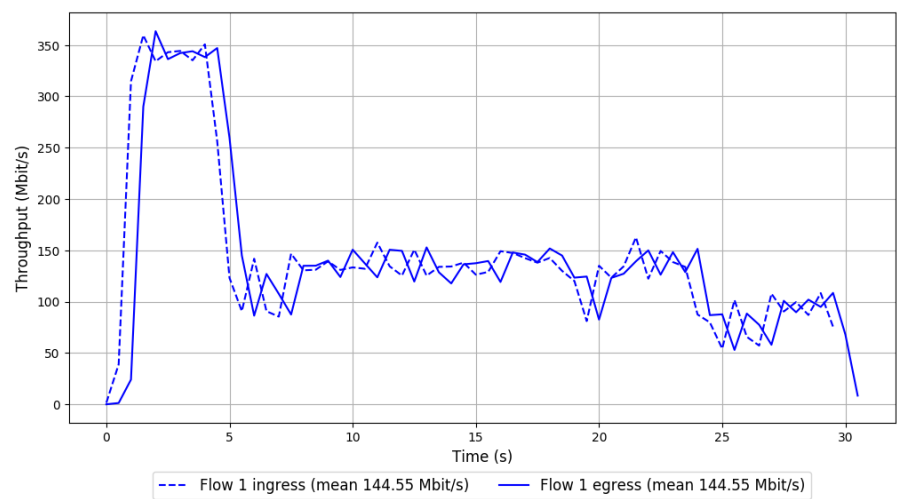


Run 2: Statistics of Copa

Start at: 2018-06-01 05:25:10
End at: 2018-06-01 05:25:40
Local clock offset: 0.051 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-06-01 08:46:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 144.55 Mbit/s
95th percentile per-packet one-way delay: 53.801 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 144.55 Mbit/s
95th percentile per-packet one-way delay: 53.801 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

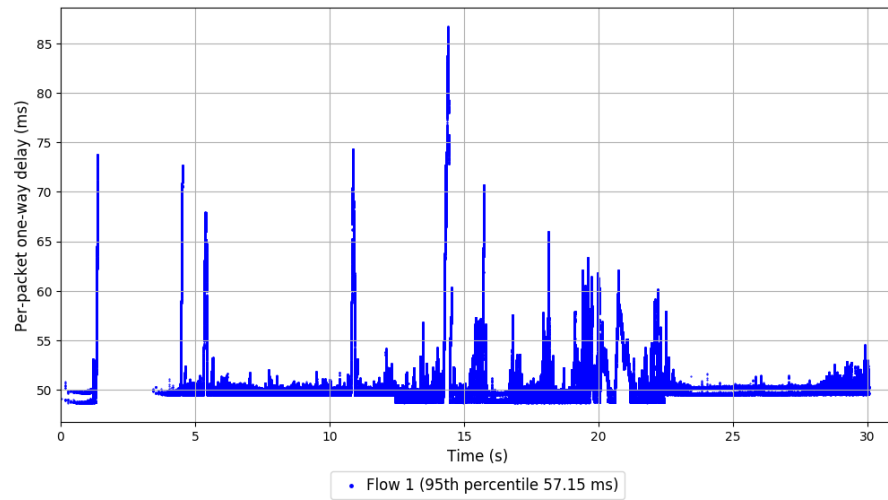
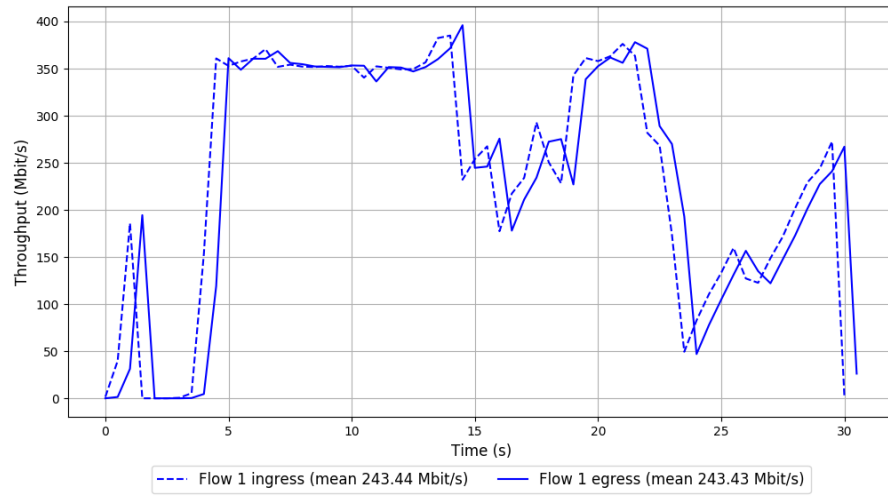


Run 3: Statistics of Copa

Start at: 2018-06-01 05:45:32
End at: 2018-06-01 05:46:02
Local clock offset: 0.097 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-06-01 08:46:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 243.43 Mbit/s
95th percentile per-packet one-way delay: 57.145 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 243.43 Mbit/s
95th percentile per-packet one-way delay: 57.145 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

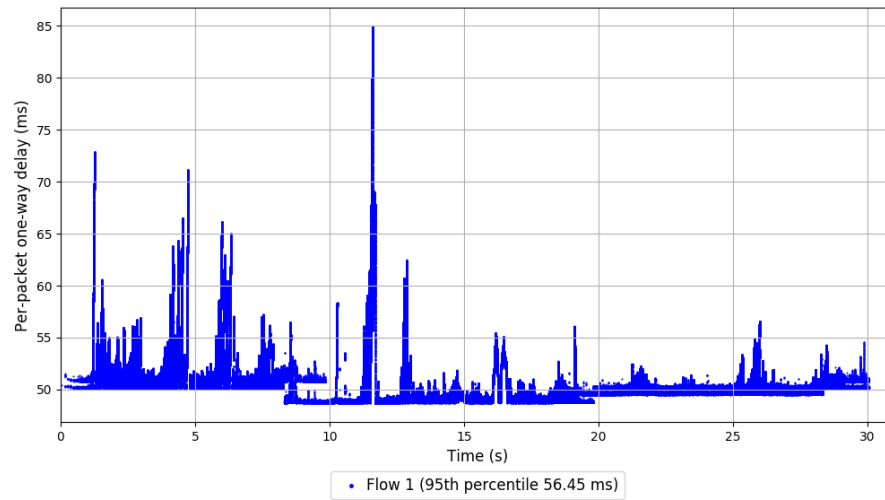
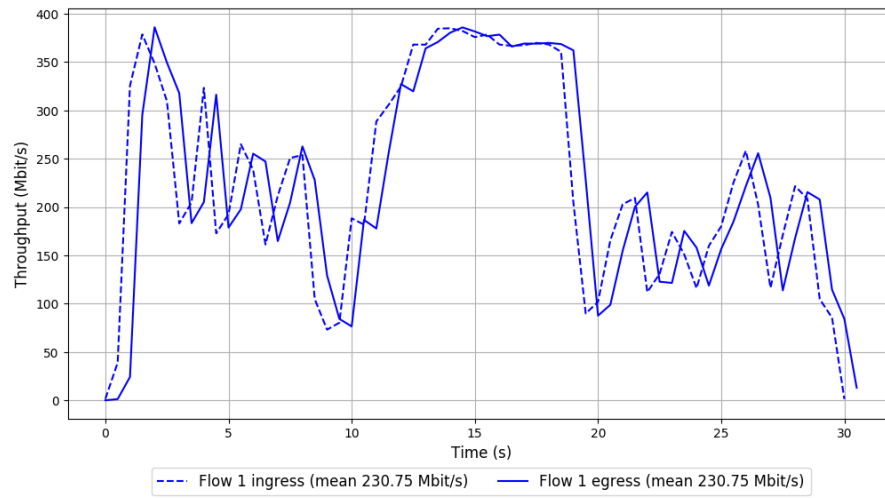


Run 4: Statistics of Copa

Start at: 2018-06-01 06:06:15
End at: 2018-06-01 06:06:45
Local clock offset: 0.107 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-06-01 08:46:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 230.75 Mbit/s
95th percentile per-packet one-way delay: 56.445 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 230.75 Mbit/s
95th percentile per-packet one-way delay: 56.445 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-06-01 06:27:00

End at: 2018-06-01 06:27:30

Local clock offset: 0.065 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-06-01 08:46:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 245.01 Mbit/s

95th percentile per-packet one-way delay: 56.211 ms

Loss rate: 0.00%

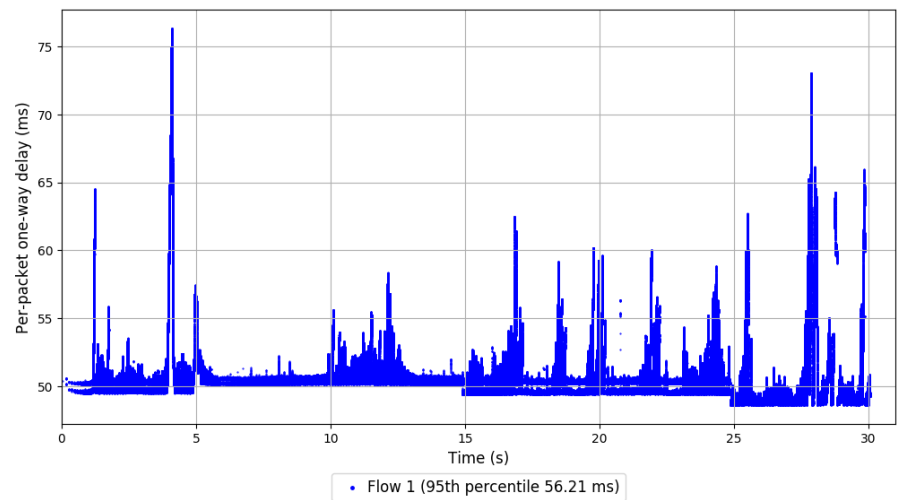
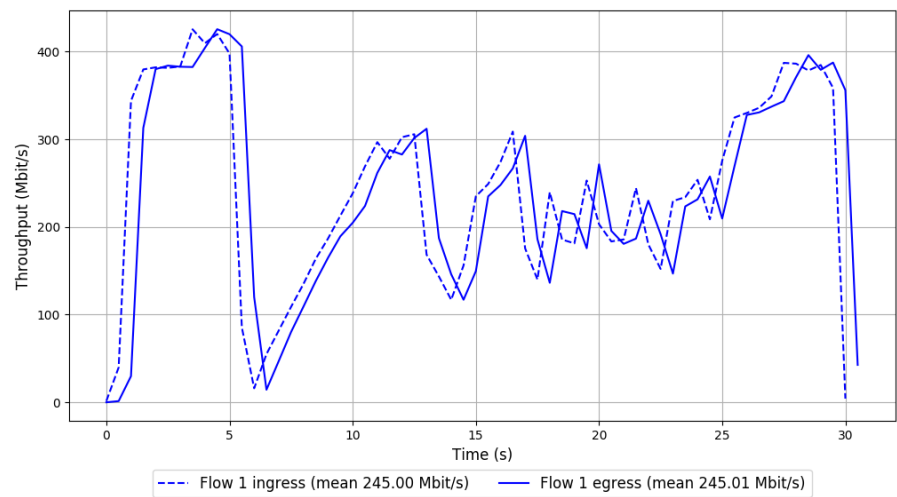
-- Flow 1:

Average throughput: 245.01 Mbit/s

95th percentile per-packet one-way delay: 56.211 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-06-01 06:47:28

End at: 2018-06-01 06:47:58

Local clock offset: 0.045 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-06-01 08:46:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 229.29 Mbit/s

95th percentile per-packet one-way delay: 58.105 ms

Loss rate: 0.00%

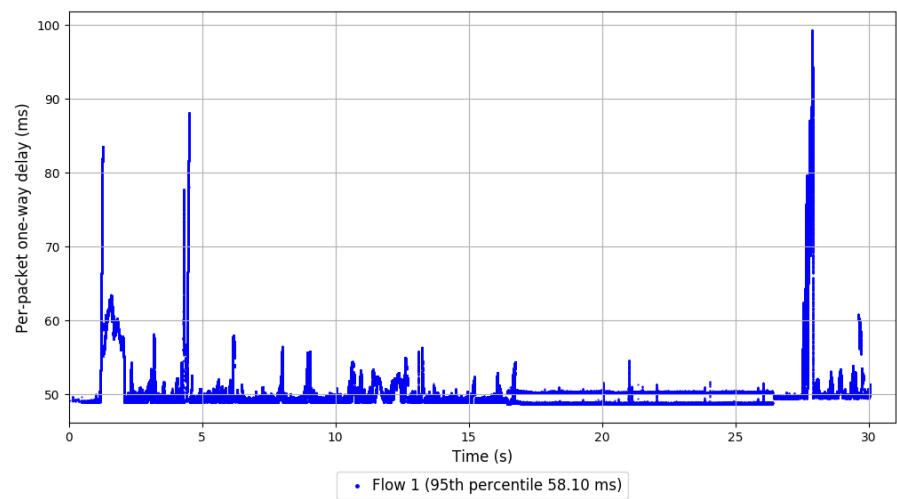
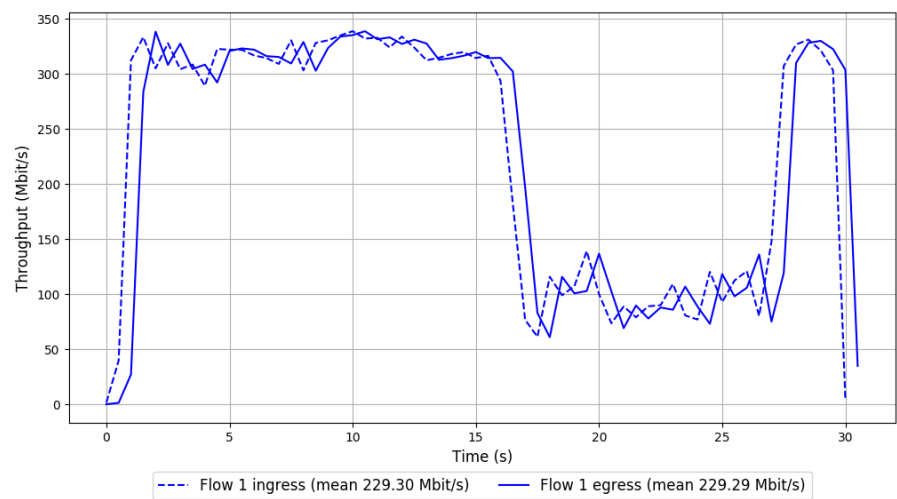
-- Flow 1:

Average throughput: 229.29 Mbit/s

95th percentile per-packet one-way delay: 58.105 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-06-01 07:08:10

End at: 2018-06-01 07:08:40

Local clock offset: -0.361 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-06-01 08:49:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.03 Mbit/s

95th percentile per-packet one-way delay: 57.626 ms

Loss rate: 0.00%

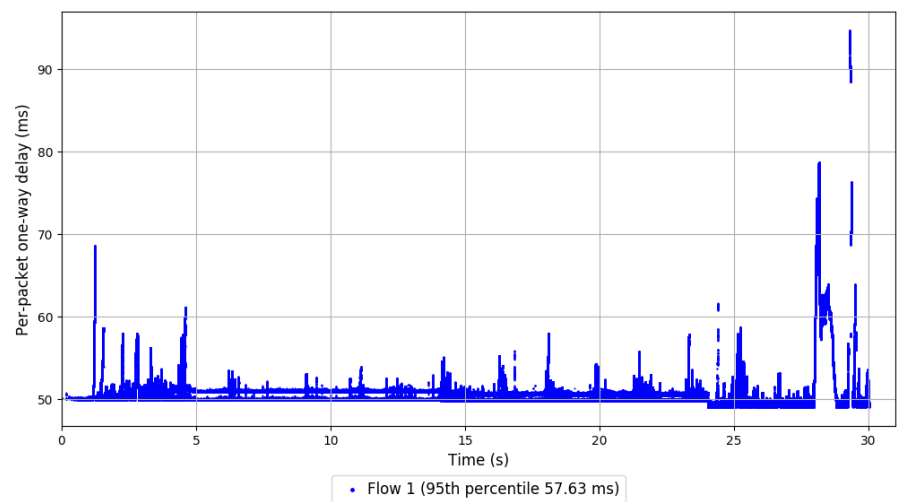
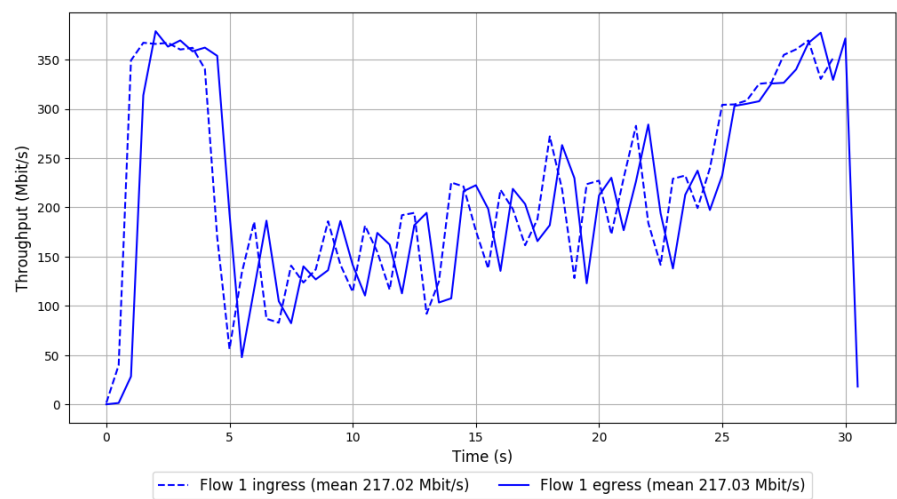
-- Flow 1:

Average throughput: 217.03 Mbit/s

95th percentile per-packet one-way delay: 57.626 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link

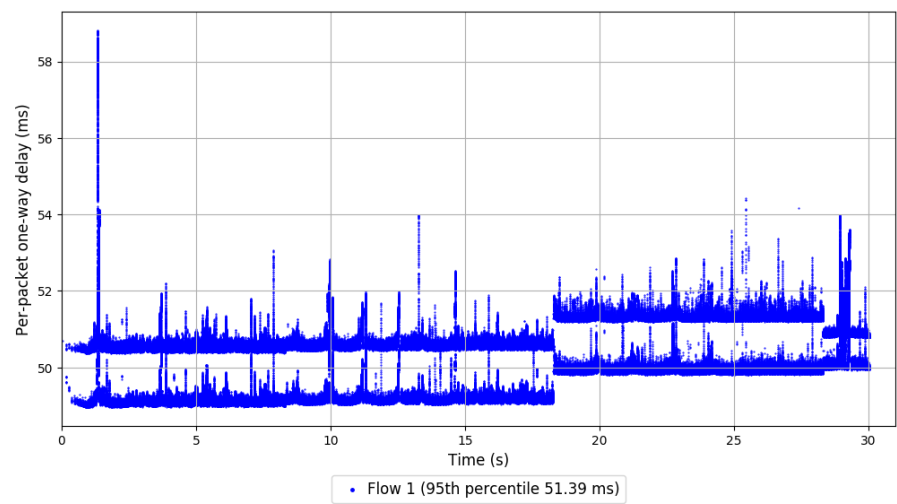
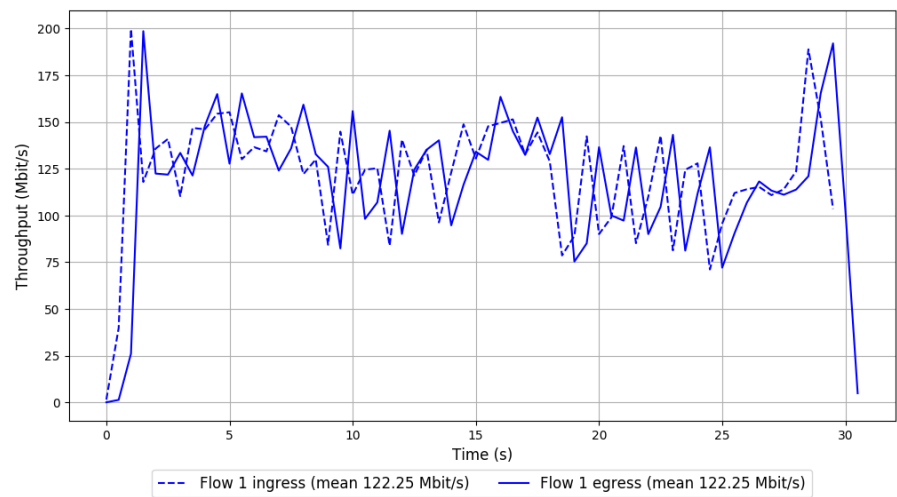


Run 8: Statistics of Copa

Start at: 2018-06-01 07:28:46
End at: 2018-06-01 07:29:16
Local clock offset: -0.354 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-06-01 08:49:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 122.25 Mbit/s
95th percentile per-packet one-way delay: 51.387 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 122.25 Mbit/s
95th percentile per-packet one-way delay: 51.387 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

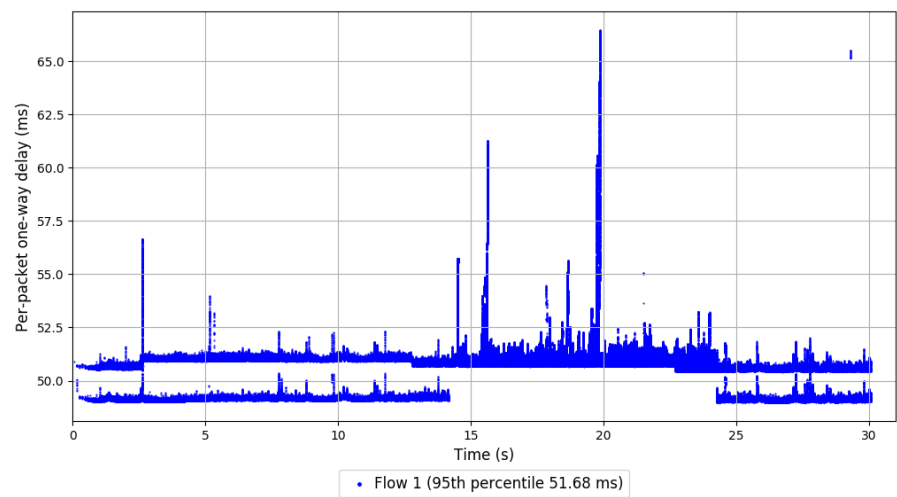
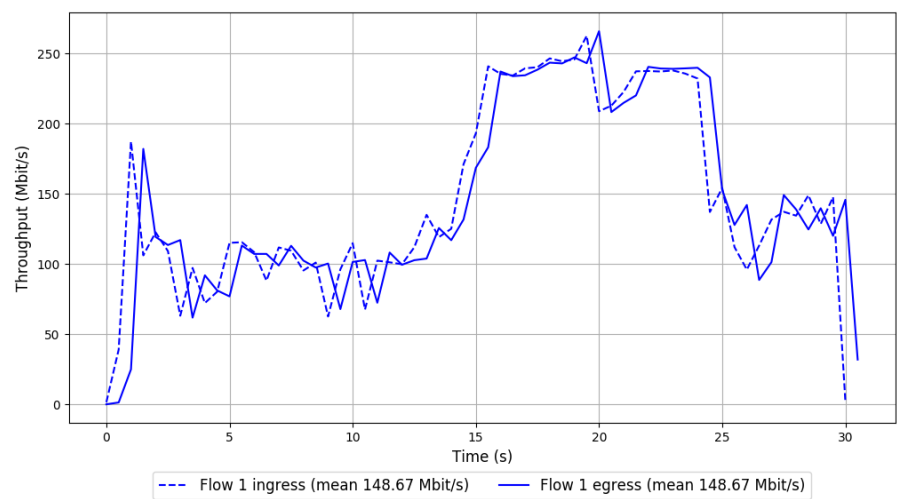


Run 9: Statistics of Copa

Start at: 2018-06-01 07:49:10
End at: 2018-06-01 07:49:40
Local clock offset: -0.367 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-06-01 08:49:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 148.67 Mbit/s
95th percentile per-packet one-way delay: 51.677 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 148.67 Mbit/s
95th percentile per-packet one-way delay: 51.677 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-06-01 08:09:36

End at: 2018-06-01 08:10:06

Local clock offset: 0.008 ms

Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-06-01 08:54:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 353.59 Mbit/s

95th percentile per-packet one-way delay: 53.596 ms

Loss rate: 0.00%

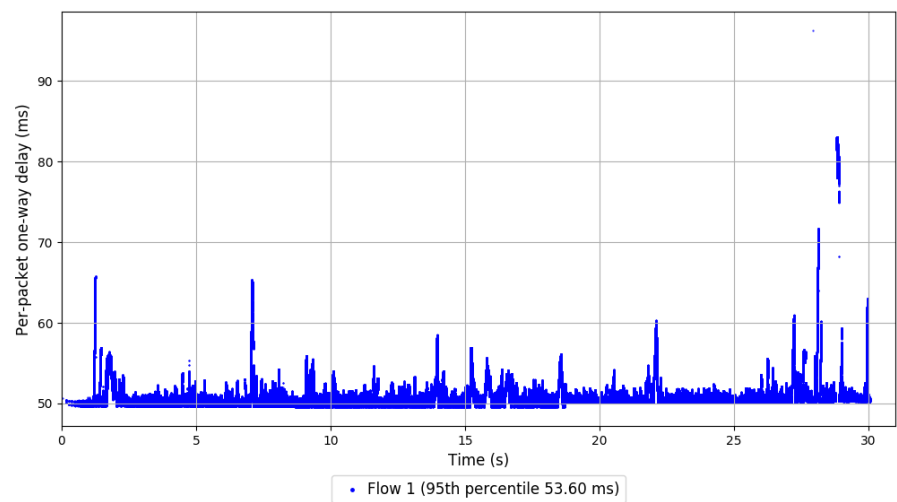
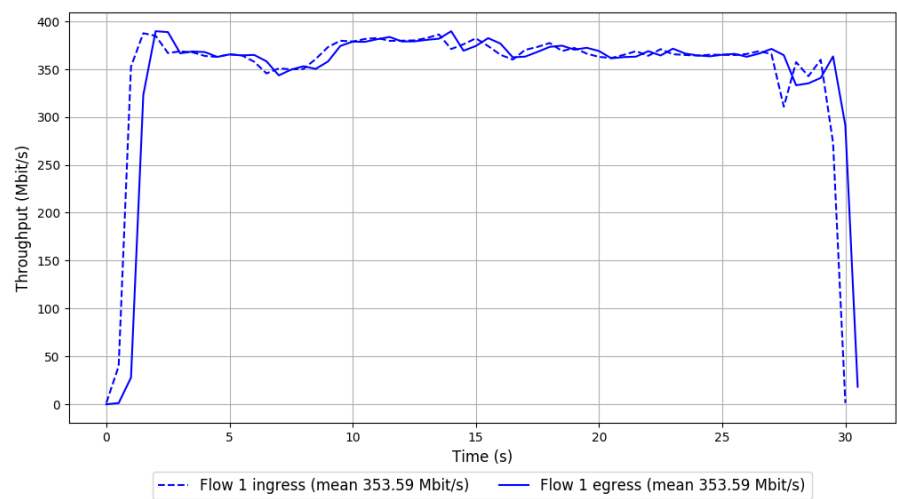
-- Flow 1:

Average throughput: 353.59 Mbit/s

95th percentile per-packet one-way delay: 53.596 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

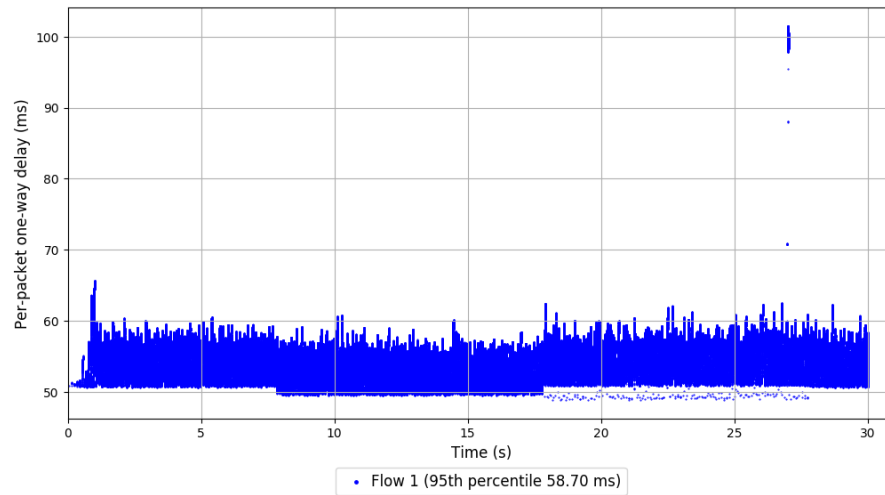
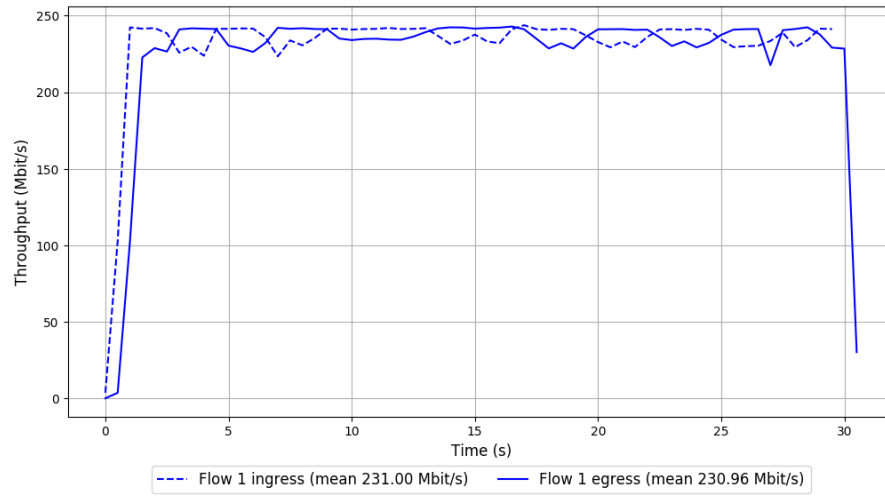


Run 1: Statistics of TCP Cubic

Start at: 2018-06-01 05:17:27
End at: 2018-06-01 05:17:57
Local clock offset: 0.025 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-06-01 08:54:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 230.96 Mbit/s
95th percentile per-packet one-way delay: 58.701 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 230.96 Mbit/s
95th percentile per-packet one-way delay: 58.701 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-06-01 05:37:48

End at: 2018-06-01 05:38:18

Local clock offset: -0.306 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-06-01 08:54:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.41 Mbit/s

95th percentile per-packet one-way delay: 58.725 ms

Loss rate: 0.04%

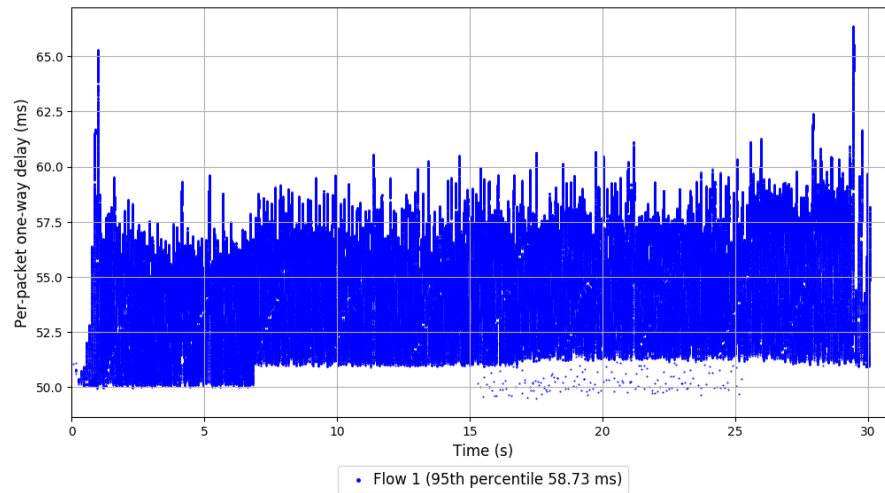
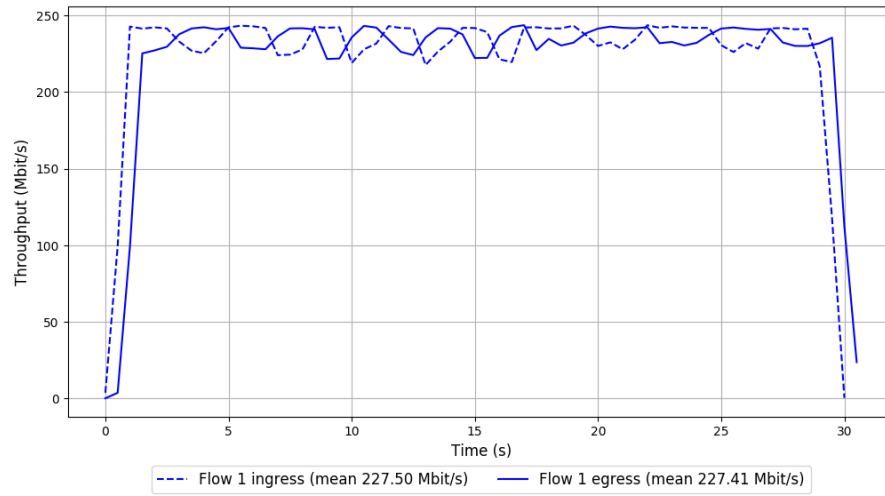
-- Flow 1:

Average throughput: 227.41 Mbit/s

95th percentile per-packet one-way delay: 58.725 ms

Loss rate: 0.04%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-06-01 05:58:28

End at: 2018-06-01 05:58:58

Local clock offset: 0.069 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-06-01 08:54:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 229.08 Mbit/s

95th percentile per-packet one-way delay: 59.028 ms

Loss rate: 0.04%

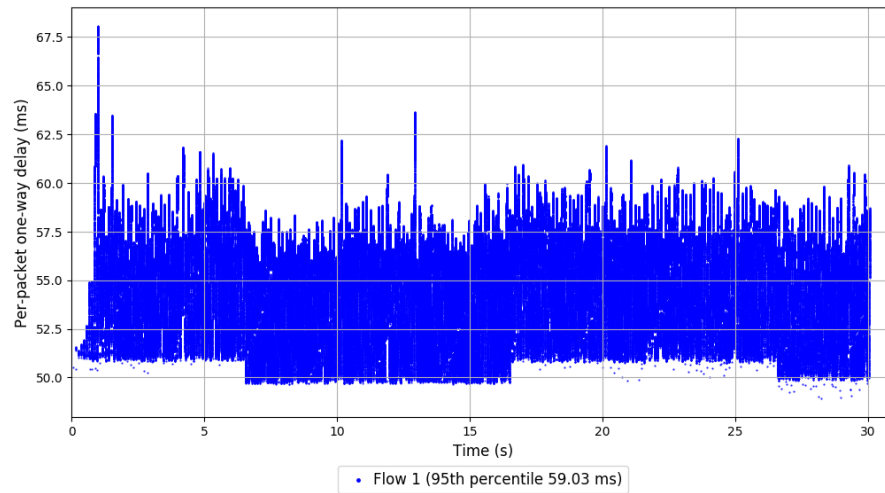
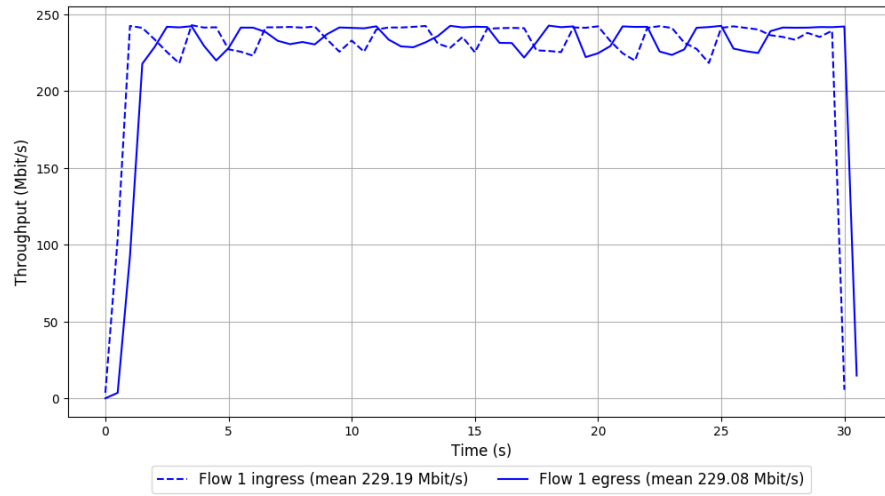
-- Flow 1:

Average throughput: 229.08 Mbit/s

95th percentile per-packet one-way delay: 59.028 ms

Loss rate: 0.04%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-06-01 06:19:08

End at: 2018-06-01 06:19:38

Local clock offset: -0.324 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-06-01 08:54:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 230.66 Mbit/s

95th percentile per-packet one-way delay: 58.420 ms

Loss rate: 0.00%

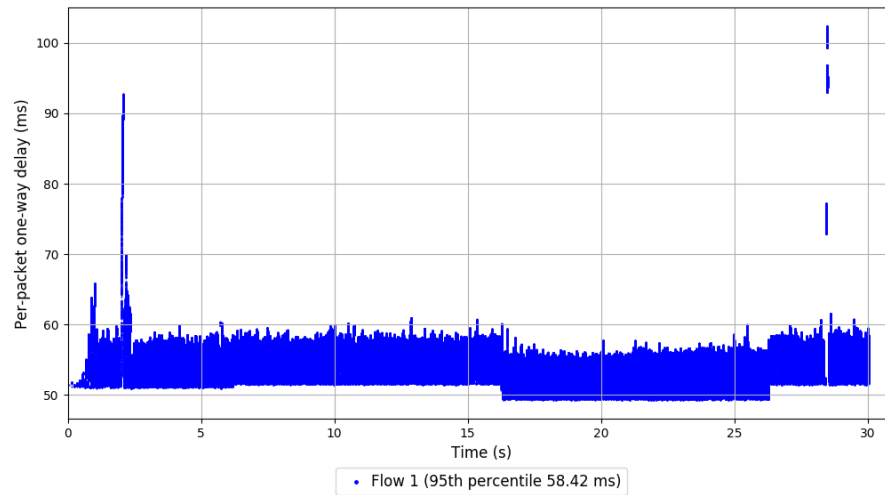
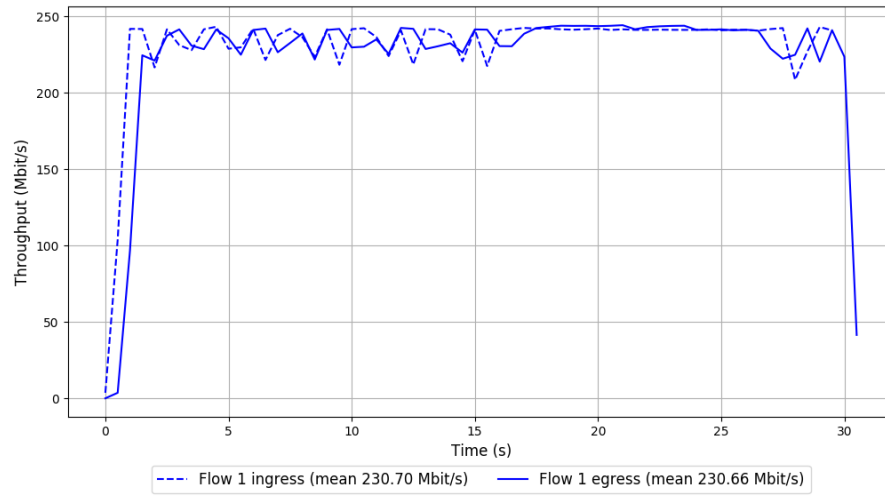
-- Flow 1:

Average throughput: 230.66 Mbit/s

95th percentile per-packet one-way delay: 58.420 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-06-01 06:39:42

End at: 2018-06-01 06:40:13

Local clock offset: -0.359 ms

Remote clock offset: 0.086 ms

Below is generated by plot.py at 2018-06-01 08:54:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.71 Mbit/s

95th percentile per-packet one-way delay: 59.449 ms

Loss rate: 0.00%

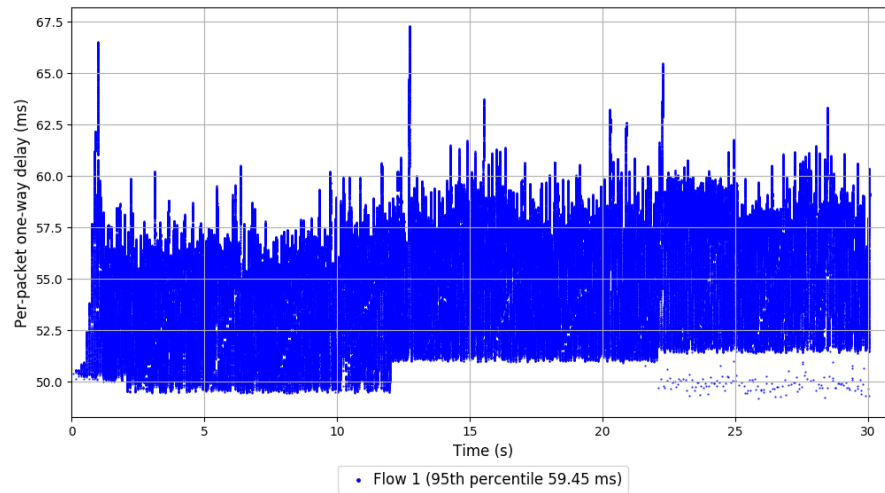
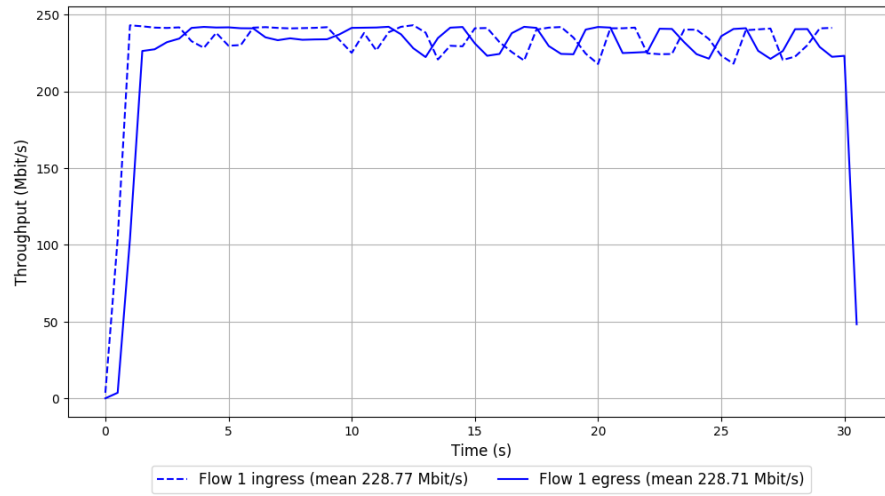
-- Flow 1:

Average throughput: 228.71 Mbit/s

95th percentile per-packet one-way delay: 59.449 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-06-01 07:00:24

End at: 2018-06-01 07:00:54

Local clock offset: 0.031 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-06-01 08:54:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.12 Mbit/s

95th percentile per-packet one-way delay: 56.646 ms

Loss rate: 0.06%

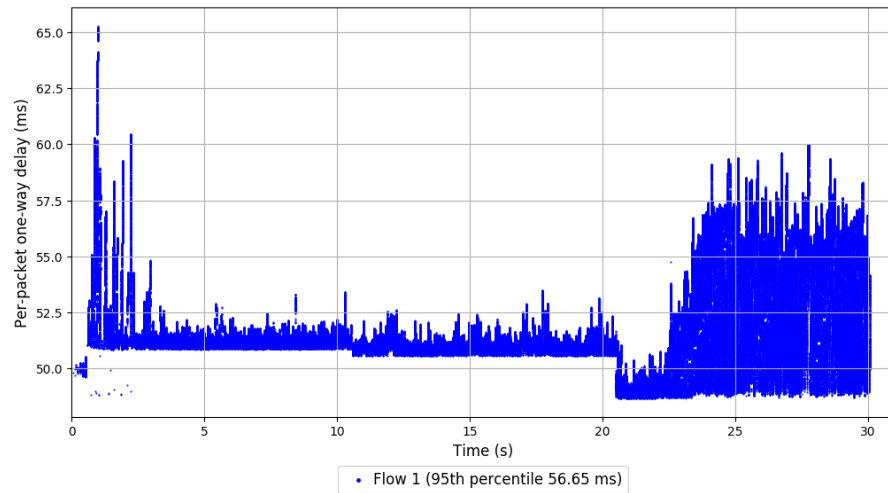
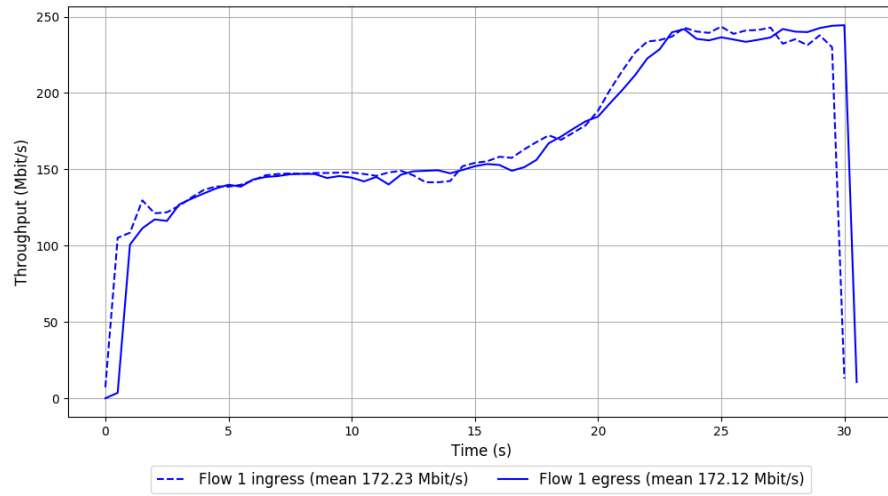
-- Flow 1:

Average throughput: 172.12 Mbit/s

95th percentile per-packet one-way delay: 56.646 ms

Loss rate: 0.06%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-06-01 07:20:56

End at: 2018-06-01 07:21:27

Local clock offset: 0.001 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-06-01 08:54:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.44 Mbit/s

95th percentile per-packet one-way delay: 60.364 ms

Loss rate: 0.00%

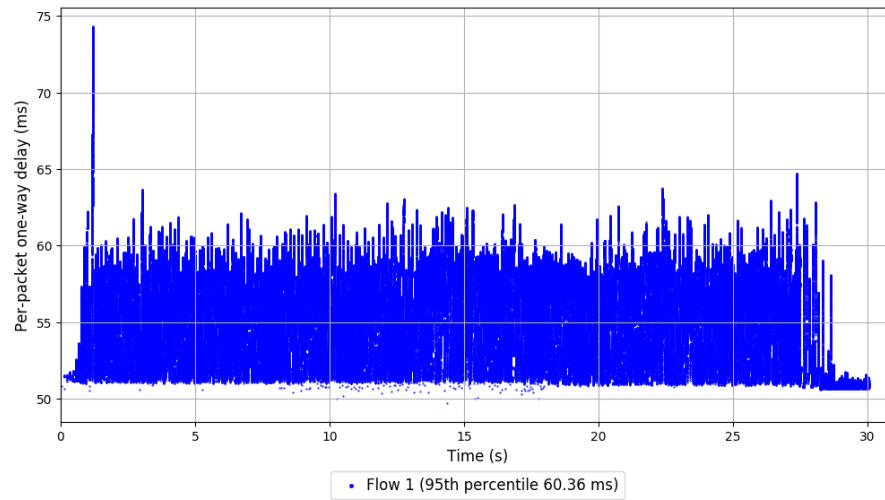
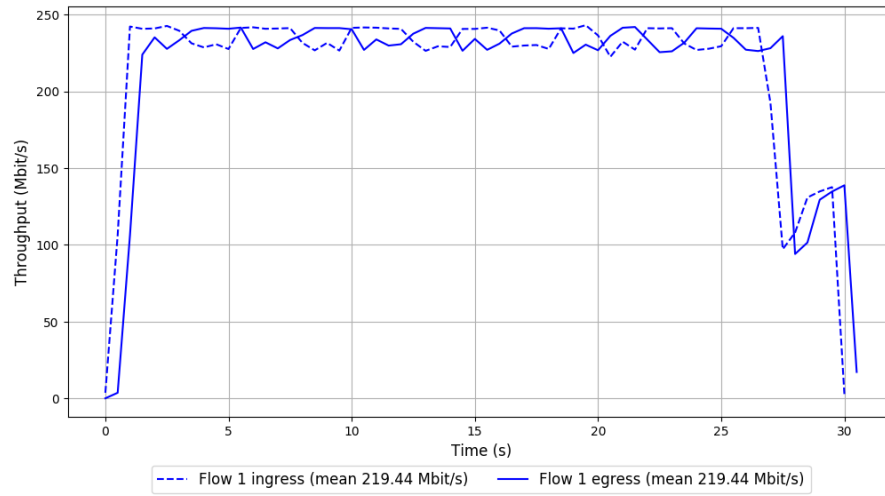
-- Flow 1:

Average throughput: 219.44 Mbit/s

95th percentile per-packet one-way delay: 60.364 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link

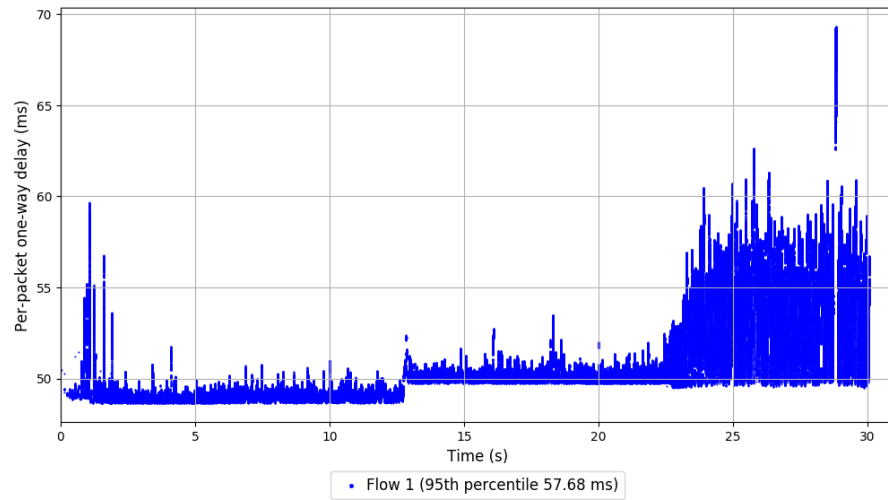
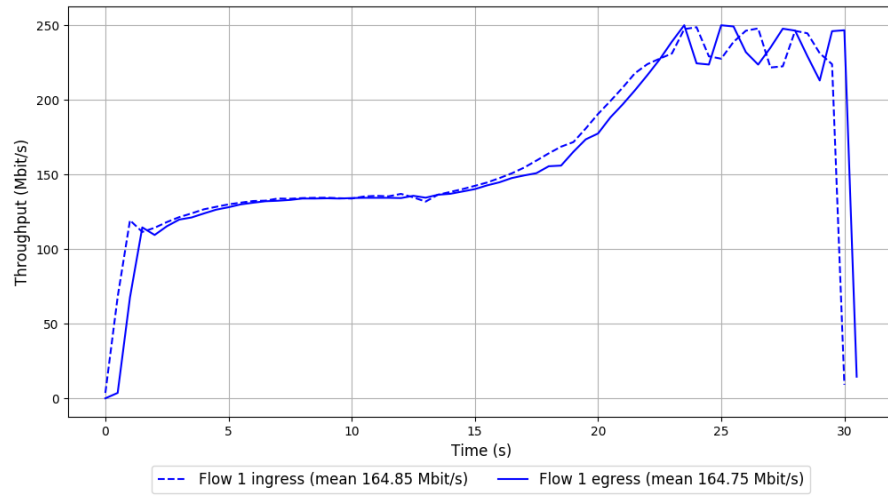


Run 8: Statistics of TCP Cubic

Start at: 2018-06-01 07:41:22
End at: 2018-06-01 07:41:52
Local clock offset: 0.022 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-06-01 08:54:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 164.75 Mbit/s
95th percentile per-packet one-way delay: 57.678 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 164.75 Mbit/s
95th percentile per-packet one-way delay: 57.678 ms
Loss rate: 0.06%

Run 8: Report of TCP Cubic — Data Link

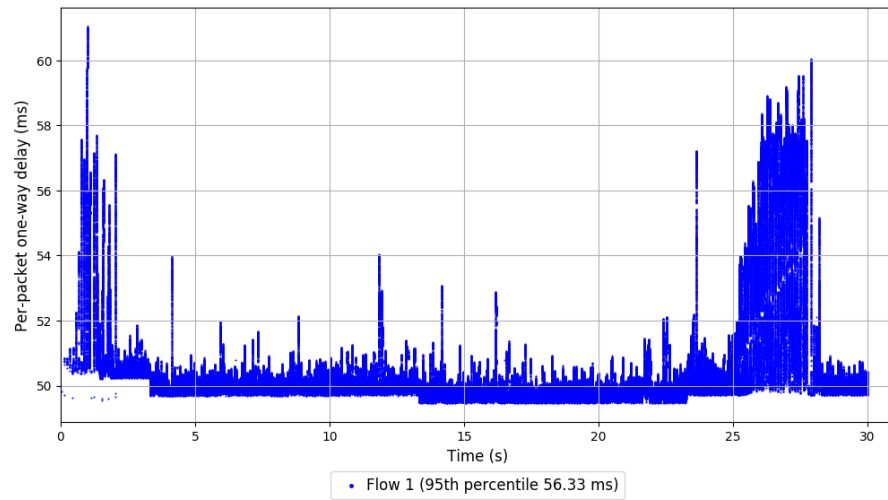
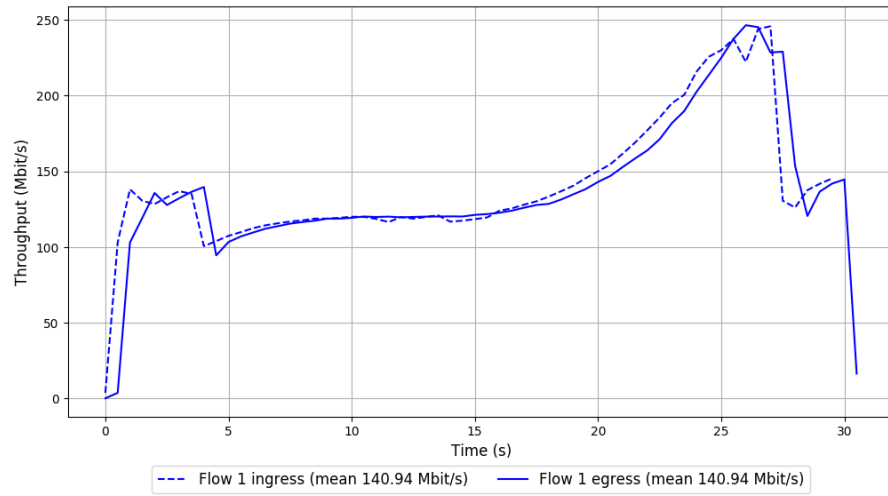


Run 9: Statistics of TCP Cubic

Start at: 2018-06-01 08:01:51
End at: 2018-06-01 08:02:21
Local clock offset: -0.03 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-06-01 08:54:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 140.94 Mbit/s
95th percentile per-packet one-way delay: 56.332 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 140.94 Mbit/s
95th percentile per-packet one-way delay: 56.332 ms
Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-06-01 08:22:37

End at: 2018-06-01 08:23:07

Local clock offset: 0.371 ms

Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-06-01 08:54:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 167.03 Mbit/s

95th percentile per-packet one-way delay: 57.956 ms

Loss rate: 0.00%

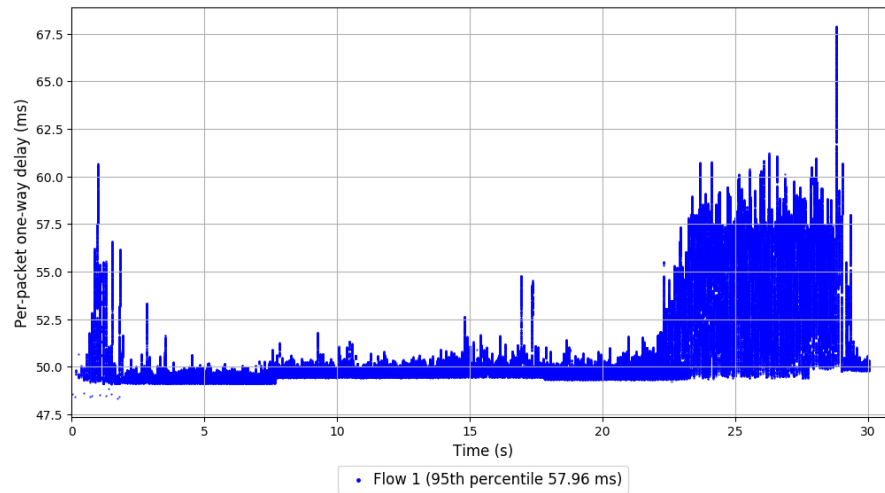
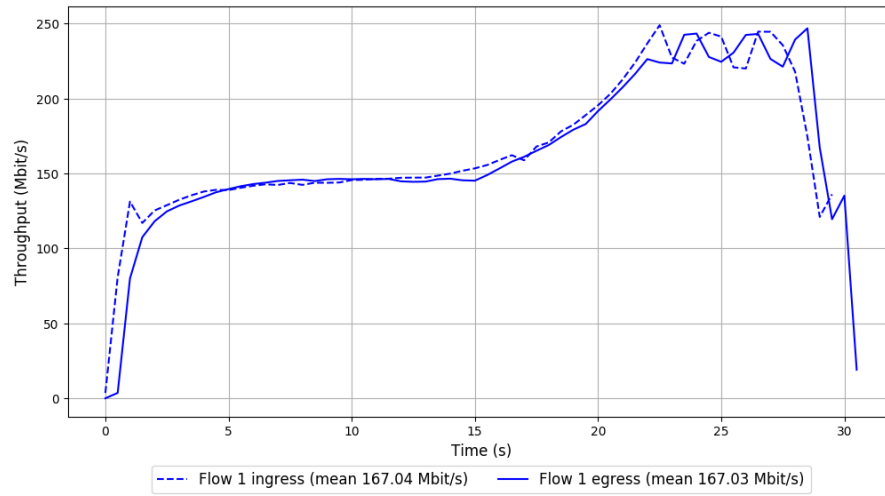
-- Flow 1:

Average throughput: 167.03 Mbit/s

95th percentile per-packet one-way delay: 57.956 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-06-01 05:07:16

End at: 2018-06-01 05:07:46

Local clock offset: -0.377 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-06-01 09:03:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 799.62 Mbit/s

95th percentile per-packet one-way delay: 120.928 ms

Loss rate: 4.98%

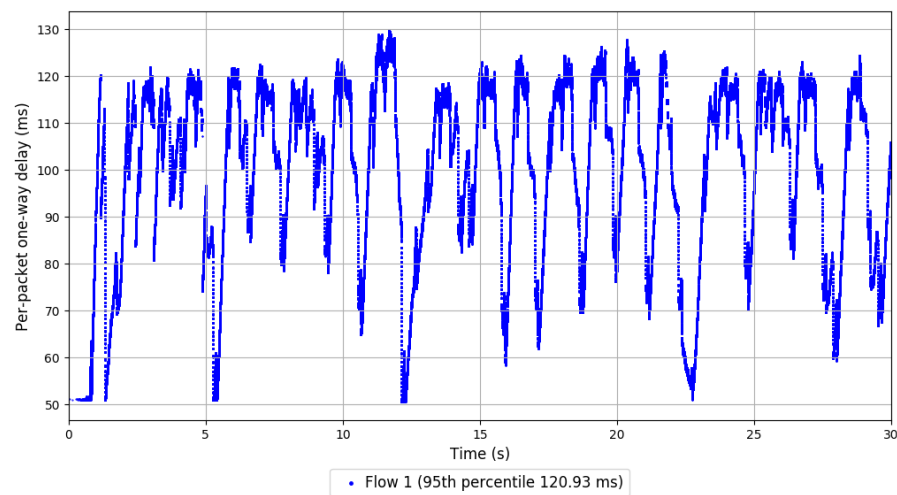
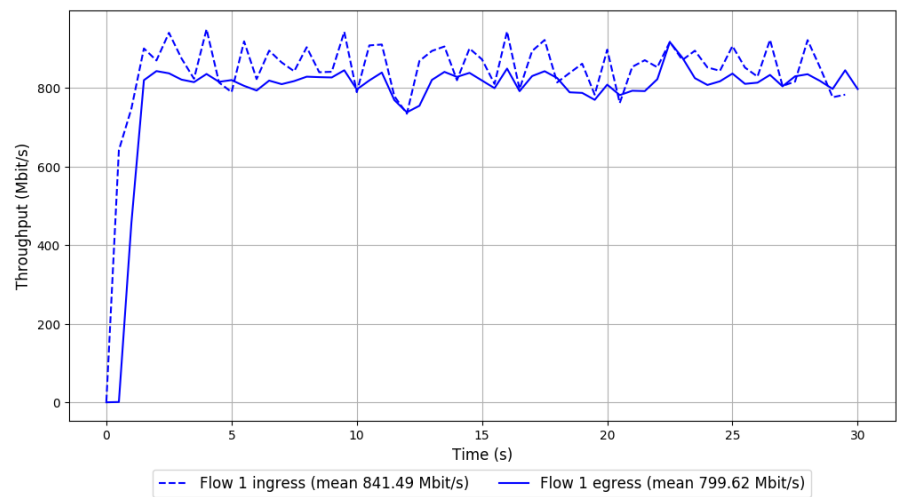
-- Flow 1:

Average throughput: 799.62 Mbit/s

95th percentile per-packet one-way delay: 120.928 ms

Loss rate: 4.98%

Run 1: Report of FillP — Data Link

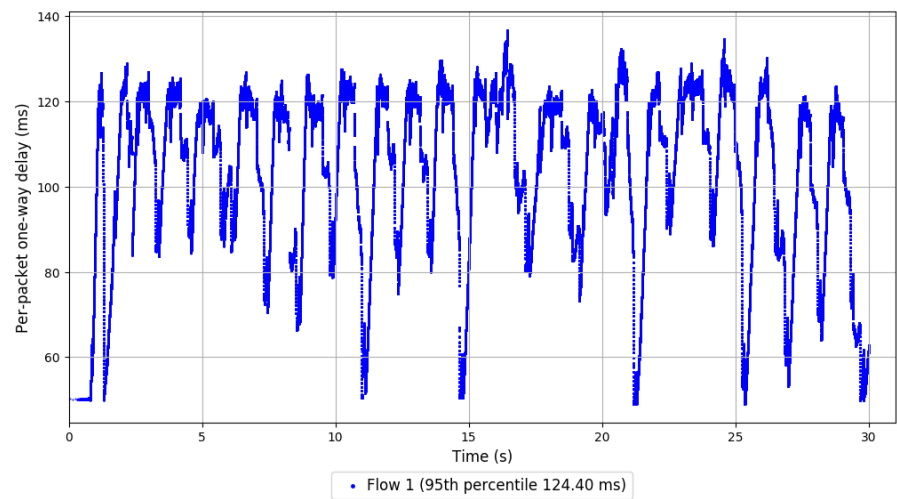
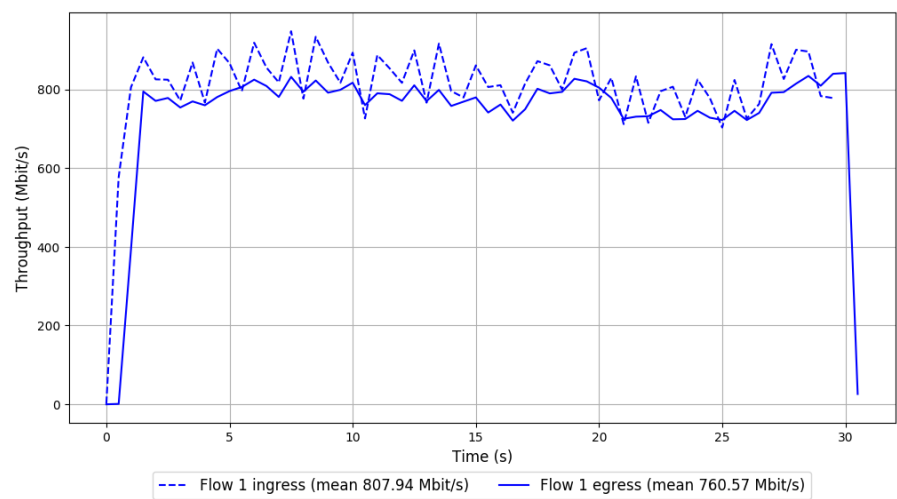


Run 2: Statistics of FillP

Start at: 2018-06-01 05:27:45
End at: 2018-06-01 05:28:15
Local clock offset: -0.306 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-06-01 09:03:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 760.57 Mbit/s
95th percentile per-packet one-way delay: 124.399 ms
Loss rate: 5.86%
-- Flow 1:
Average throughput: 760.57 Mbit/s
95th percentile per-packet one-way delay: 124.399 ms
Loss rate: 5.86%

Run 2: Report of FillP — Data Link

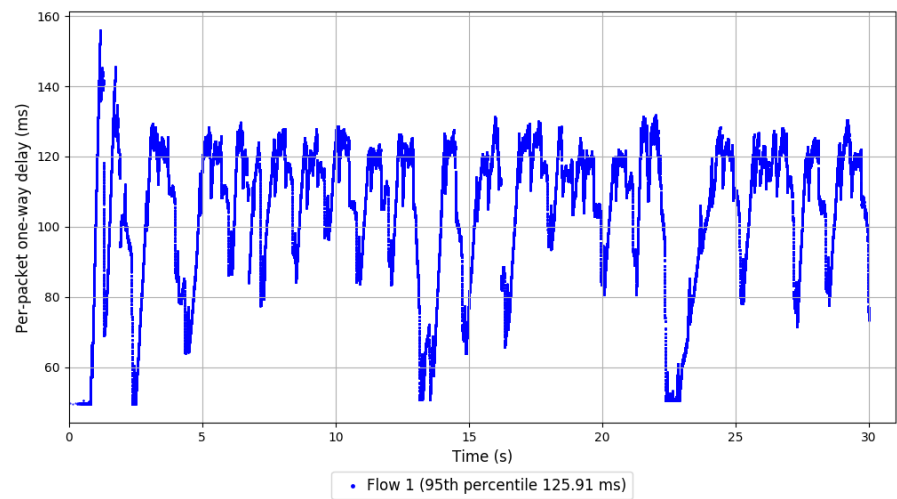
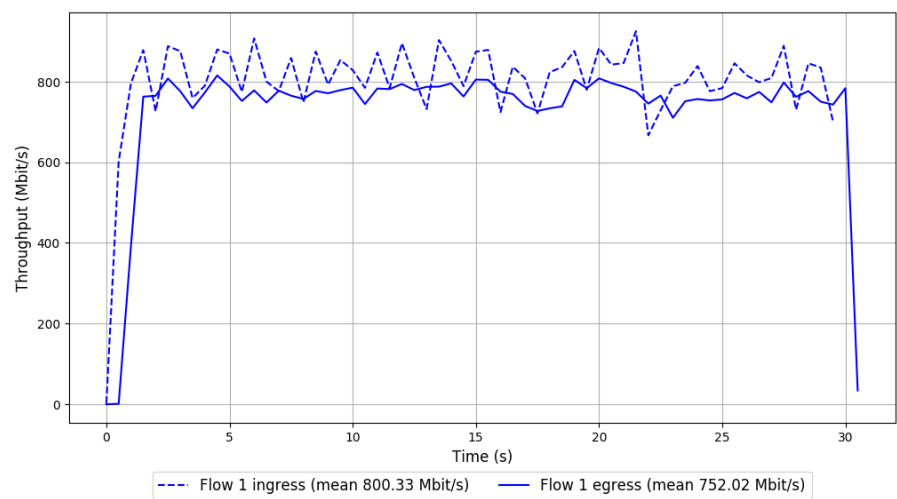


Run 3: Statistics of FillP

Start at: 2018-06-01 05:48:16
End at: 2018-06-01 05:48:46
Local clock offset: 0.096 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-06-01 09:04:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 752.02 Mbit/s
95th percentile per-packet one-way delay: 125.906 ms
Loss rate: 6.03%
-- Flow 1:
Average throughput: 752.02 Mbit/s
95th percentile per-packet one-way delay: 125.906 ms
Loss rate: 6.03%

Run 3: Report of FillP — Data Link

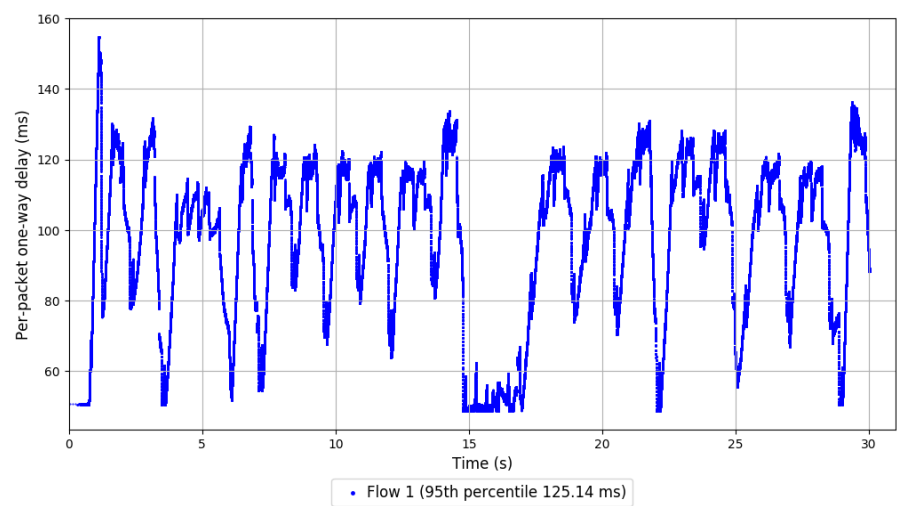
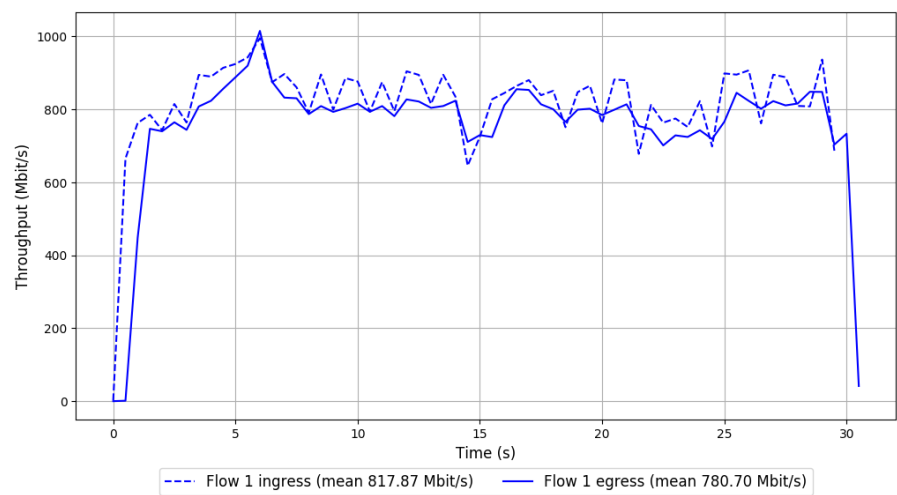


Run 4: Statistics of FillP

Start at: 2018-06-01 06:08:57
End at: 2018-06-01 06:09:27
Local clock offset: 0.09 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-06-01 09:05:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 780.70 Mbit/s
95th percentile per-packet one-way delay: 125.135 ms
Loss rate: 4.54%
-- Flow 1:
Average throughput: 780.70 Mbit/s
95th percentile per-packet one-way delay: 125.135 ms
Loss rate: 4.54%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-06-01 06:29:43

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

Local clock offset: -0.338 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-06-01 09:05:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 797.19 Mbit/s

95th percentile per-packet one-way delay: 121.632 ms

Loss rate: 5.50%

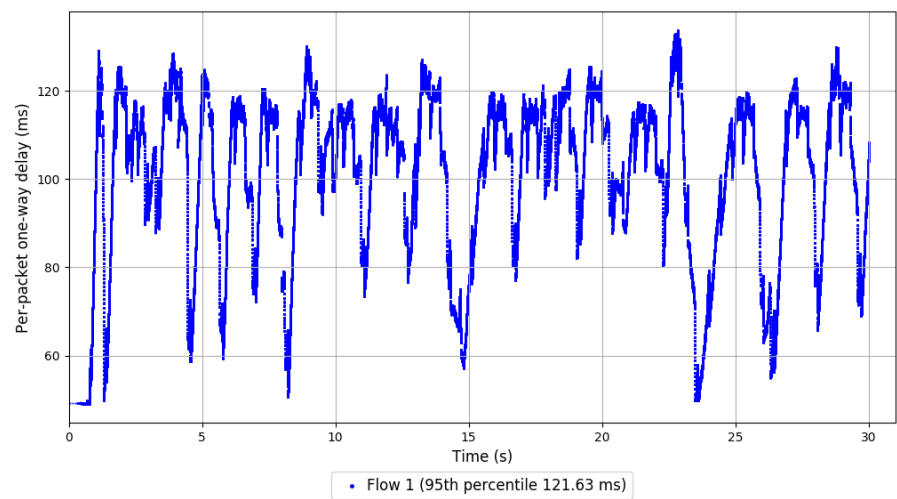
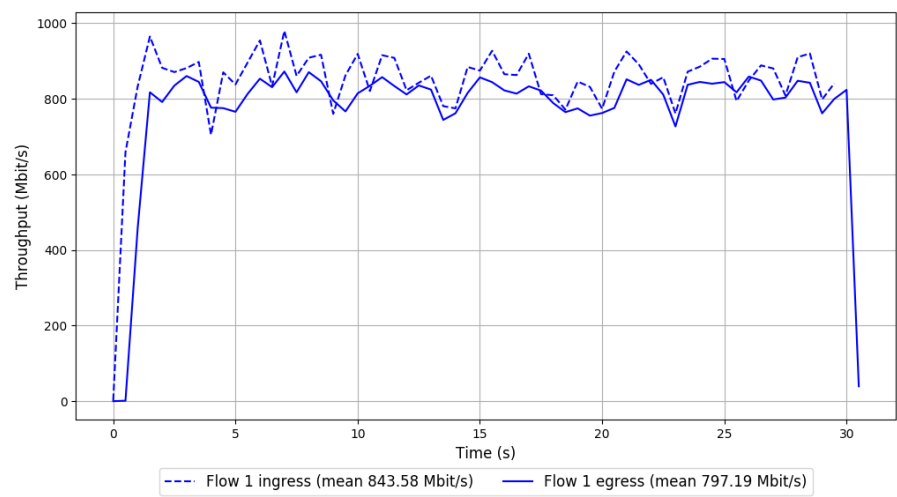
-- Flow 1:

Average throughput: 797.19 Mbit/s

95th percentile per-packet one-way delay: 121.632 ms

Loss rate: 5.50%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-06-01 06:50:11

End at: 2018-06-01 06:50:41

Local clock offset: 0.441 ms

Remote clock offset: 0.029 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 787.81 Mbit/s

95th percentile per-packet one-way delay: 123.520 ms

Loss rate: 5.50%

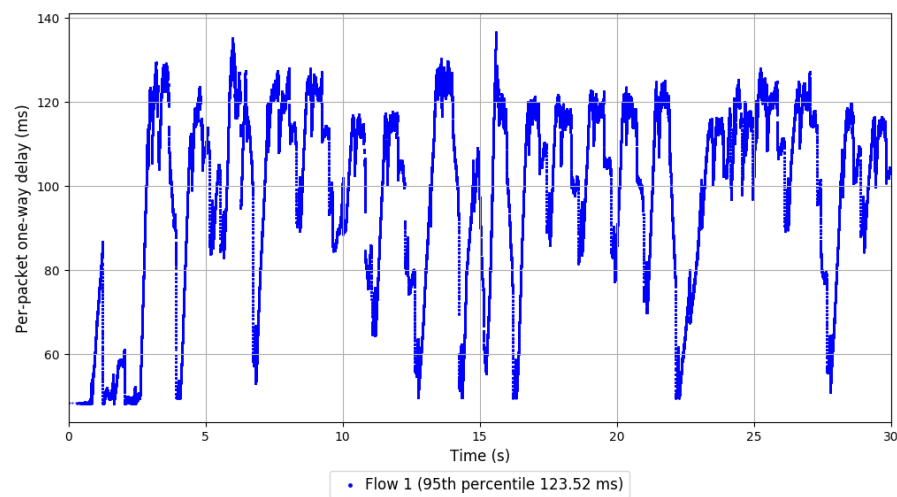
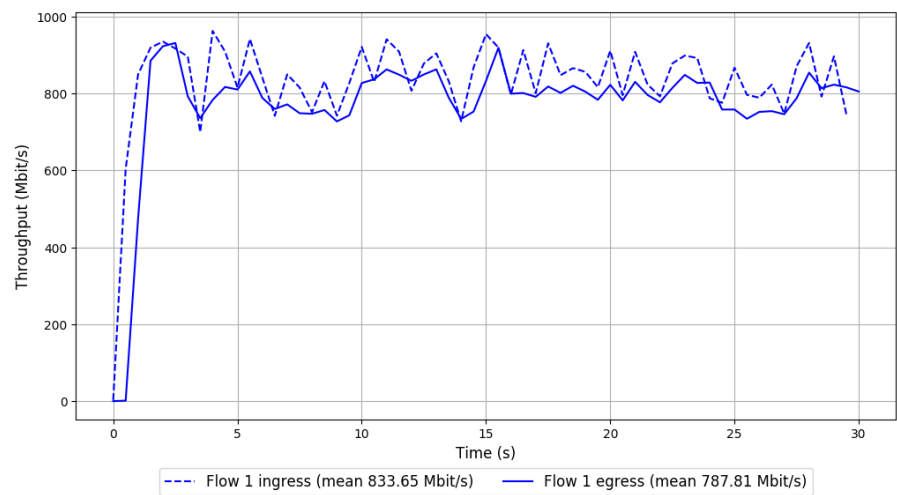
-- Flow 1:

Average throughput: 787.81 Mbit/s

95th percentile per-packet one-way delay: 123.520 ms

Loss rate: 5.50%

Run 6: Report of FillP — Data Link

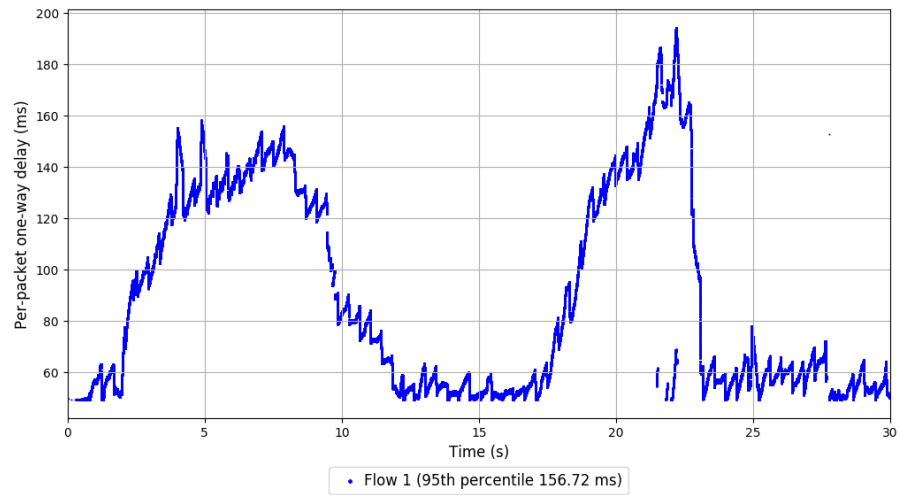
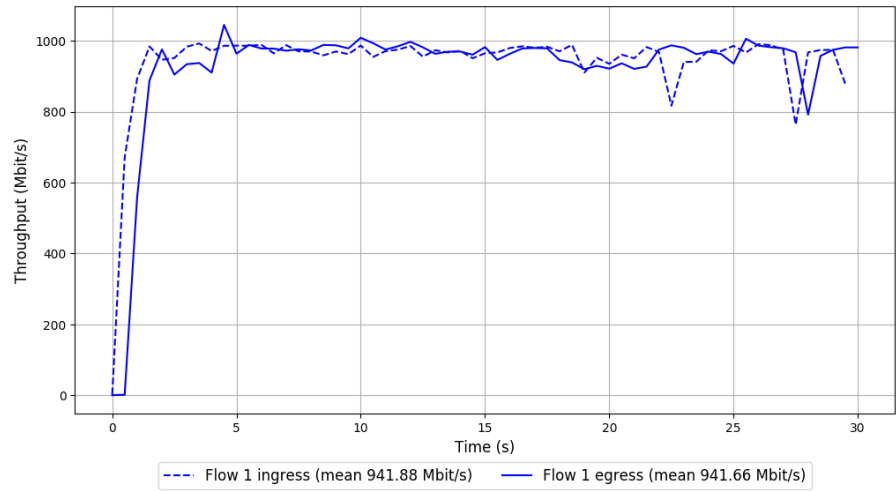


Run 7: Statistics of FillP

Start at: 2018-06-01 07:10:53
End at: 2018-06-01 07:11:23
Local clock offset: 0.039 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-06-01 09:09:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 941.66 Mbit/s
95th percentile per-packet one-way delay: 156.721 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 941.66 Mbit/s
95th percentile per-packet one-way delay: 156.721 ms
Loss rate: 0.02%

Run 7: Report of FillP — Data Link

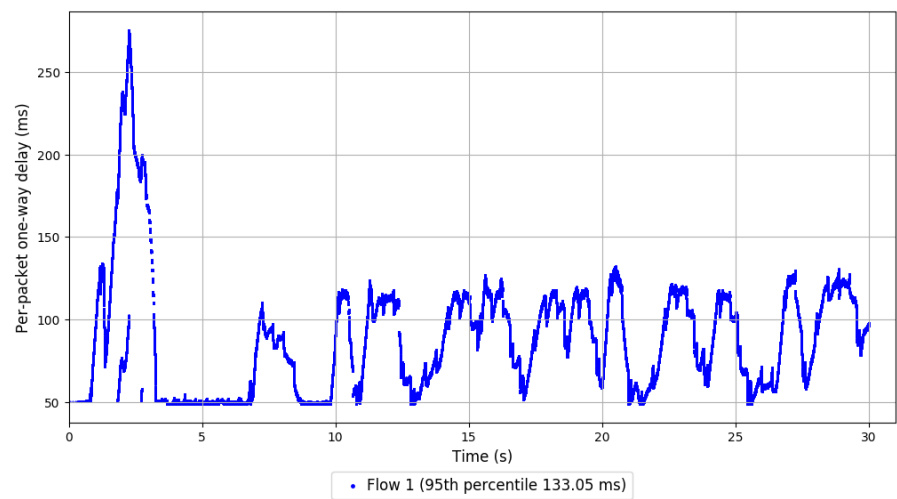
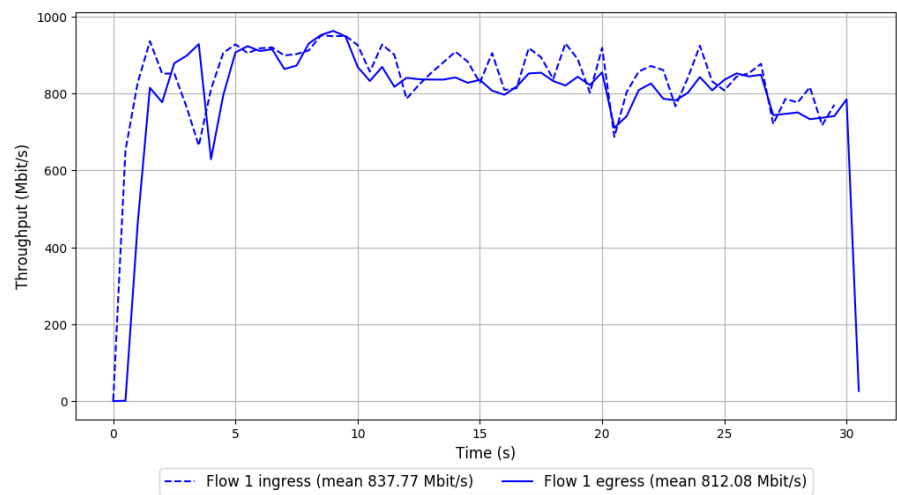


Run 8: Statistics of FillP

Start at: 2018-06-01 07:31:19
End at: 2018-06-01 07:31:49
Local clock offset: 0.007 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-06-01 09:10:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 812.08 Mbit/s
95th percentile per-packet one-way delay: 133.053 ms
Loss rate: 3.06%
-- Flow 1:
Average throughput: 812.08 Mbit/s
95th percentile per-packet one-way delay: 133.053 ms
Loss rate: 3.06%

Run 8: Report of FillP — Data Link

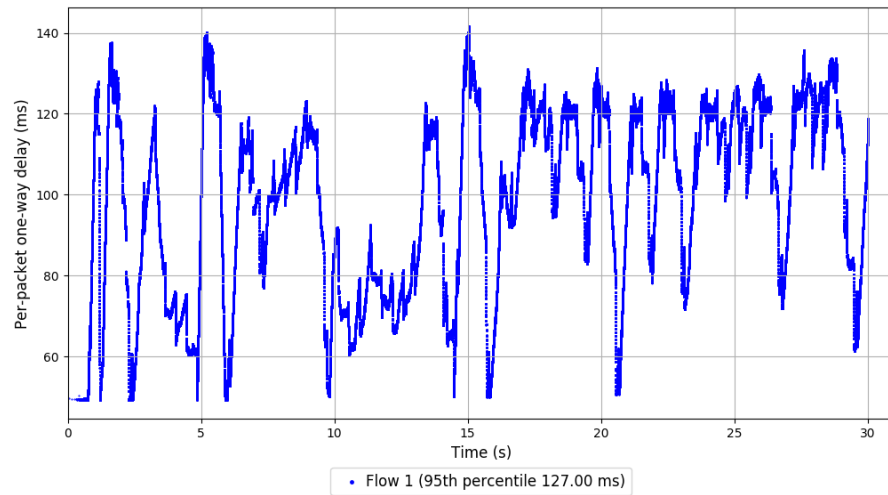
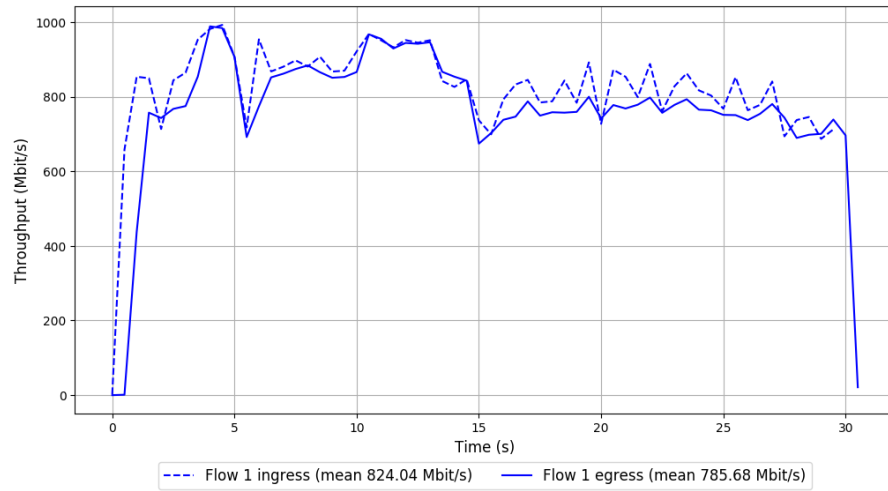


Run 9: Statistics of FillP

Start at: 2018-06-01 07:51:46
End at: 2018-06-01 07:52:16
Local clock offset: -0.372 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-06-01 09:18:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 785.68 Mbit/s
95th percentile per-packet one-way delay: 126.999 ms
Loss rate: 4.65%
-- Flow 1:
Average throughput: 785.68 Mbit/s
95th percentile per-packet one-way delay: 126.999 ms
Loss rate: 4.65%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-06-01 08:12:31

End at: 2018-06-01 08:13:01

Local clock offset: -0.02 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-06-01 09:18:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 706.01 Mbit/s

95th percentile per-packet one-way delay: 129.170 ms

Loss rate: 2.97%

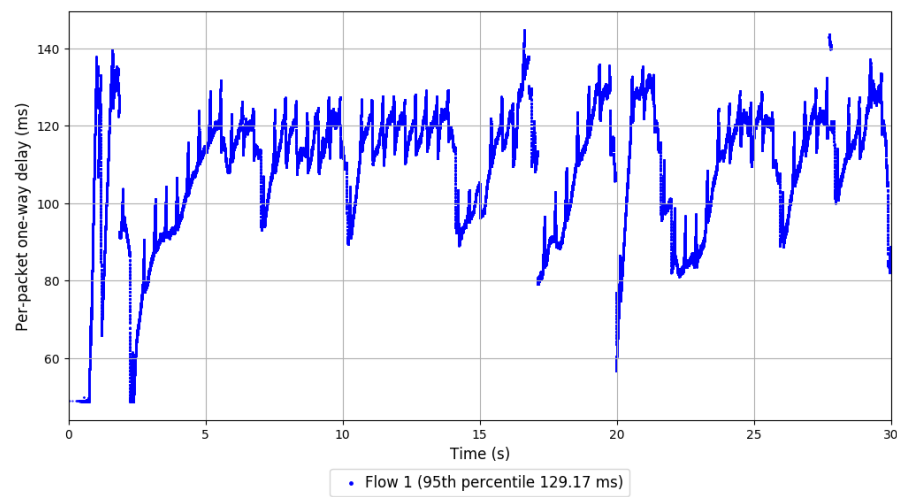
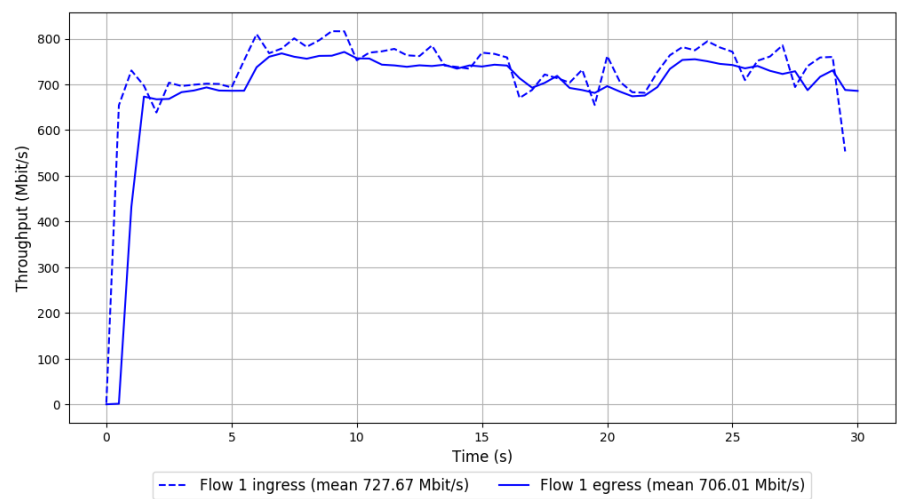
-- Flow 1:

Average throughput: 706.01 Mbit/s

95th percentile per-packet one-way delay: 129.170 ms

Loss rate: 2.97%

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo

Start at: 2018-06-01 05:05:57
End at: 2018-06-01 05:06:27
Local clock offset: -0.402 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-06-01 09:18:09

Datalink statistics

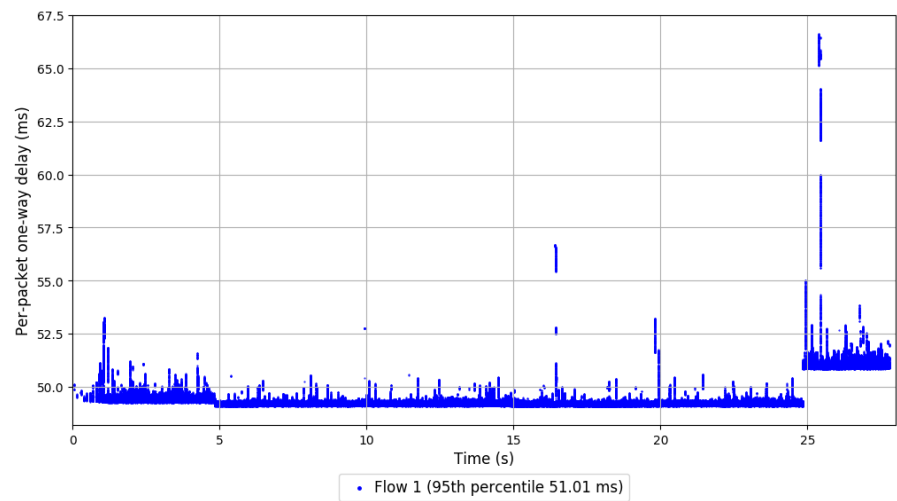
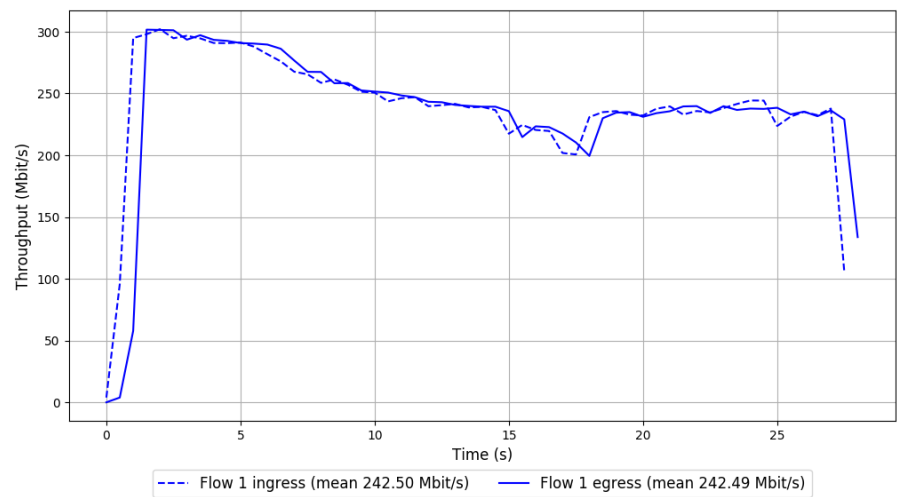
-- Total of 1 flow:

Average throughput: 242.49 Mbit/s
95th percentile per-packet one-way delay: 51.005 ms
Loss rate: 0.00%

-- Flow 1:

Average throughput: 242.49 Mbit/s
95th percentile per-packet one-way delay: 51.005 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

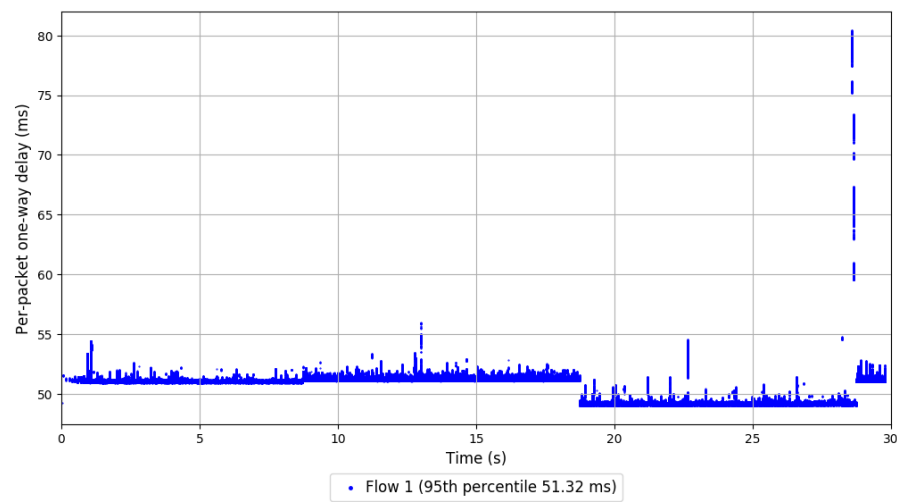
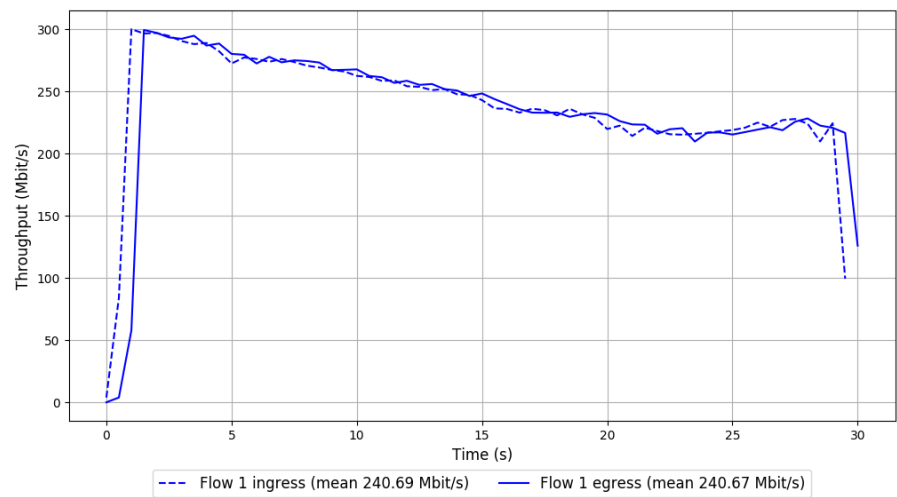


Run 2: Statistics of Indigo

Start at: 2018-06-01 05:26:26
End at: 2018-06-01 05:26:56
Local clock offset: -0.296 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-06-01 09:18:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 240.67 Mbit/s
95th percentile per-packet one-way delay: 51.318 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 240.67 Mbit/s
95th percentile per-packet one-way delay: 51.318 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

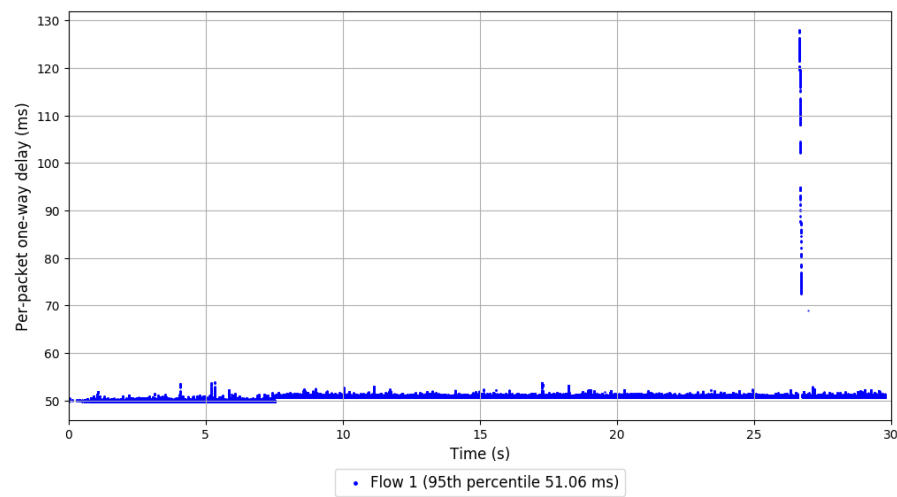
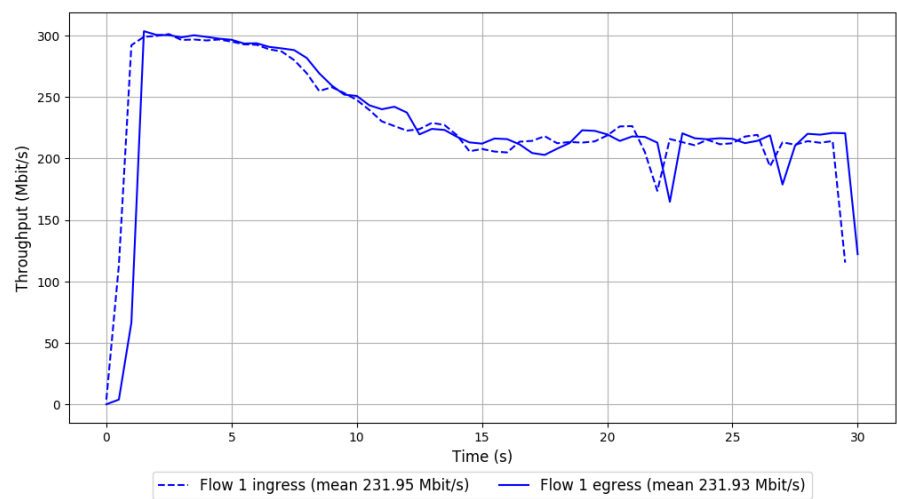


Run 3: Statistics of Indigo

Start at: 2018-06-01 05:46:57
End at: 2018-06-01 05:47:27
Local clock offset: 0.048 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-06-01 09:18:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 231.93 Mbit/s
95th percentile per-packet one-way delay: 51.062 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 231.93 Mbit/s
95th percentile per-packet one-way delay: 51.062 ms
Loss rate: 0.01%

Run 3: Report of Indigo — Data Link

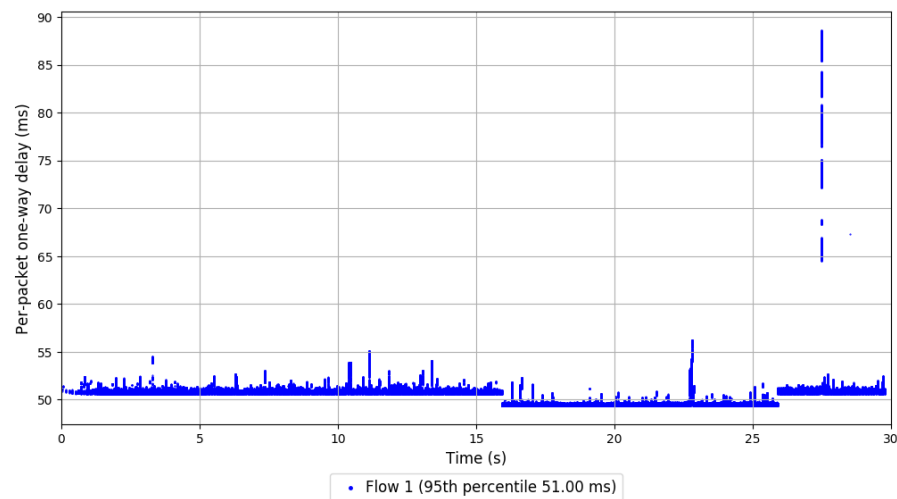
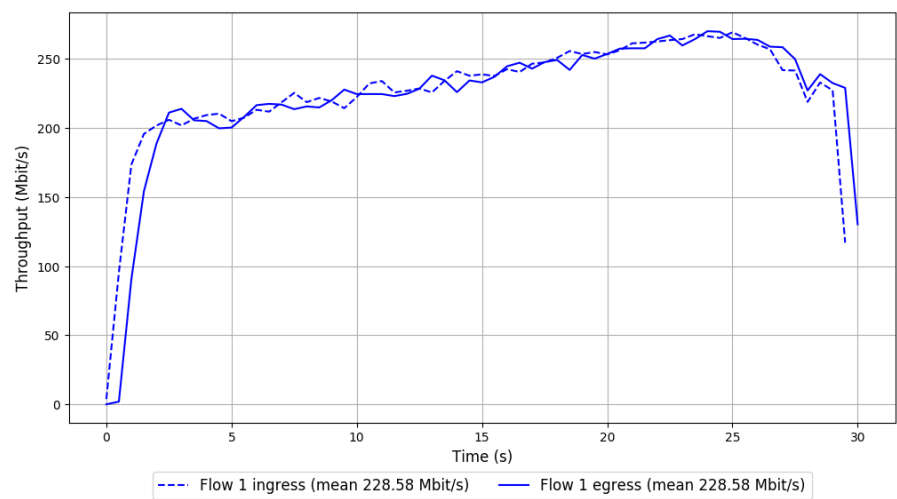


Run 4: Statistics of Indigo

Start at: 2018-06-01 06:07:38
End at: 2018-06-01 06:08:08
Local clock offset: 0.132 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-06-01 09:18:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 228.58 Mbit/s
95th percentile per-packet one-way delay: 51.001 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 228.58 Mbit/s
95th percentile per-packet one-way delay: 51.001 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-06-01 06:28:25

End at: 2018-06-01 06:28:55

Local clock offset: 0.04 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-06-01 09:18:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.72 Mbit/s

95th percentile per-packet one-way delay: 49.344 ms

Loss rate: 0.00%

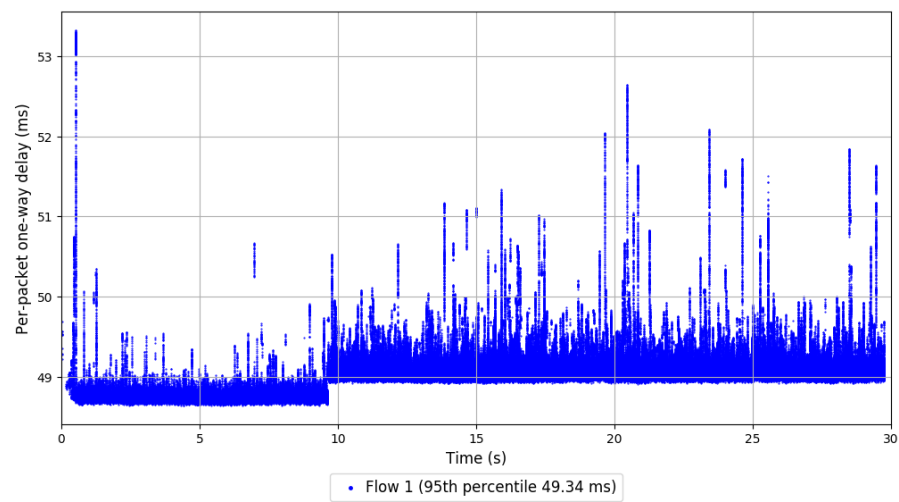
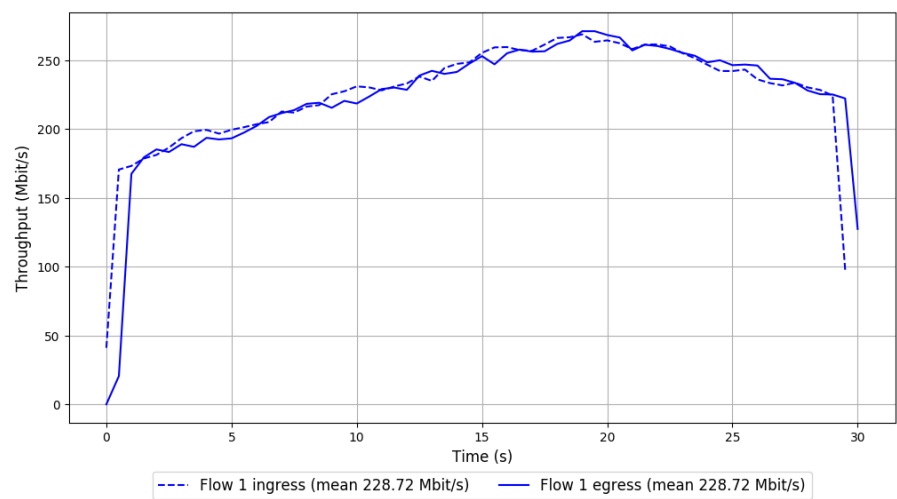
-- Flow 1:

Average throughput: 228.72 Mbit/s

95th percentile per-packet one-way delay: 49.344 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-06-01 06:48:52

End at: 2018-06-01 06:49:22

Local clock offset: 0.073 ms

Remote clock offset: 0.102 ms

Below is generated by plot.py at 2018-06-01 09:18:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 246.75 Mbit/s

95th percentile per-packet one-way delay: 50.951 ms

Loss rate: 0.00%

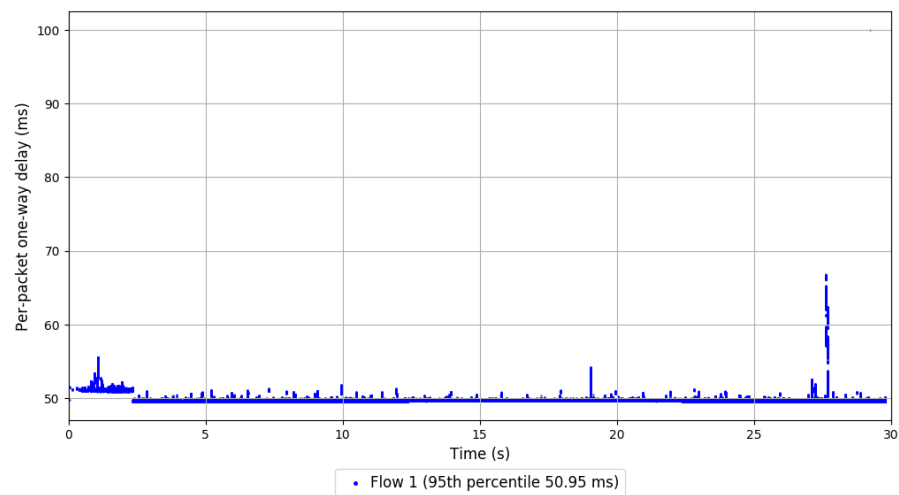
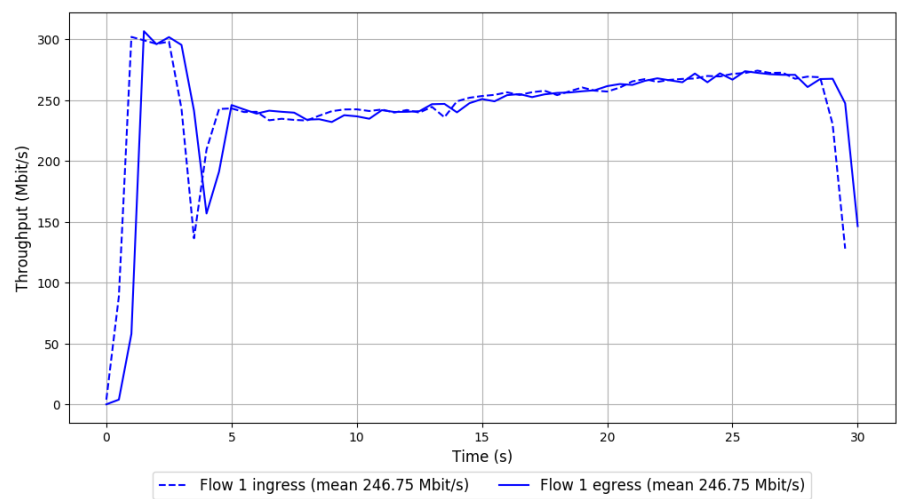
-- Flow 1:

Average throughput: 246.75 Mbit/s

95th percentile per-packet one-way delay: 50.951 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-06-01 07:09:33

End at: 2018-06-01 07:10:03

Local clock offset: 0.025 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-06-01 09:18:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 238.54 Mbit/s

95th percentile per-packet one-way delay: 51.398 ms

Loss rate: 0.00%

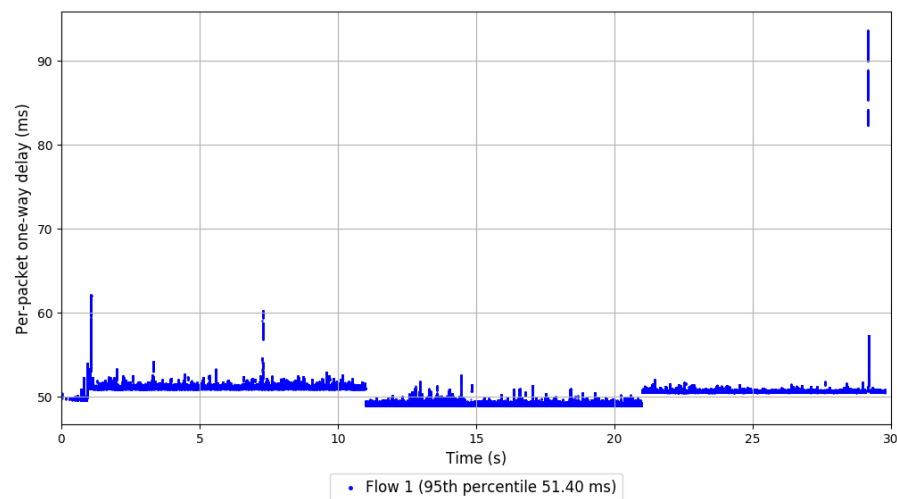
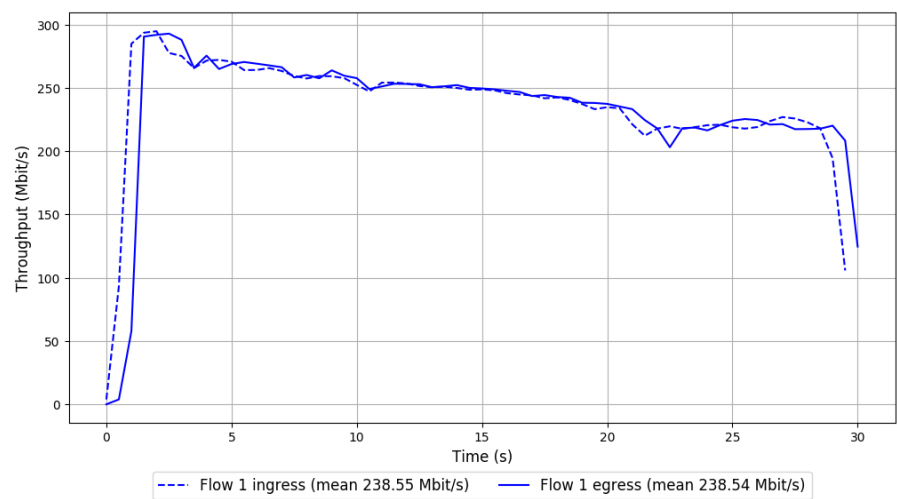
-- Flow 1:

Average throughput: 238.54 Mbit/s

95th percentile per-packet one-way delay: 51.398 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

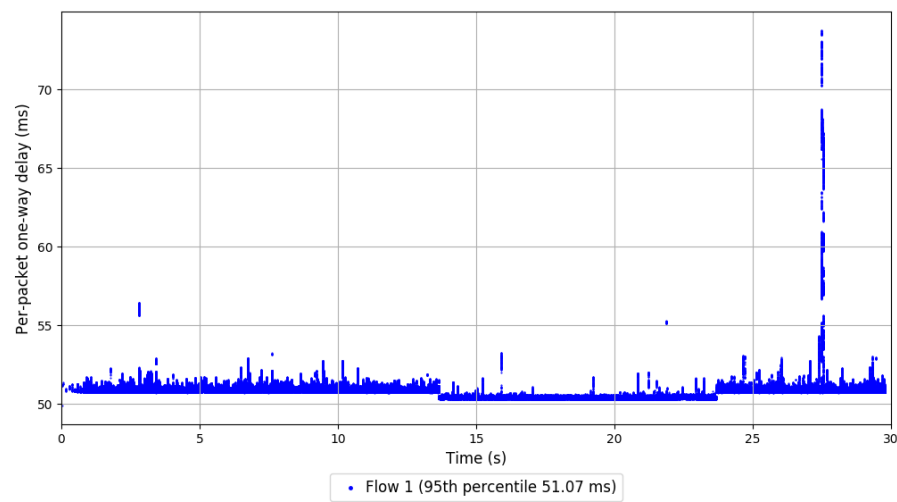
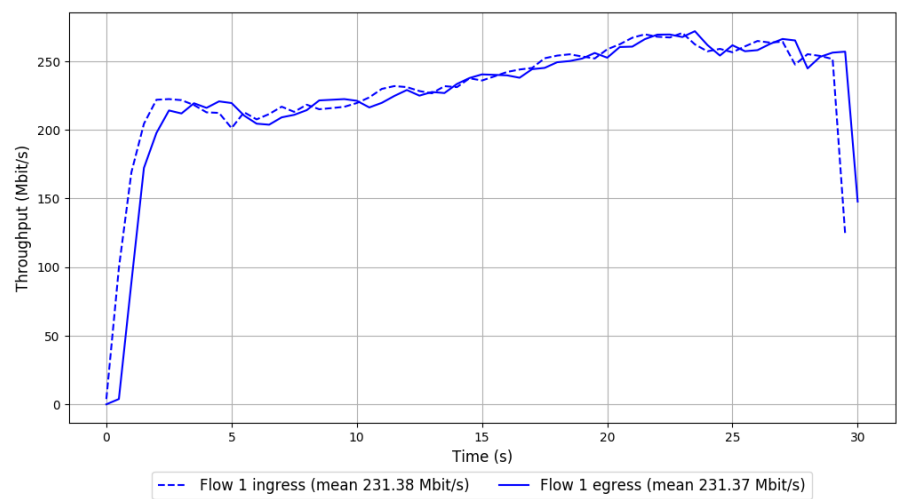


Run 8: Statistics of Indigo

Start at: 2018-06-01 07:30:01
End at: 2018-06-01 07:30:31
Local clock offset: 0.011 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-06-01 09:18:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 231.37 Mbit/s
95th percentile per-packet one-way delay: 51.068 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 231.37 Mbit/s
95th percentile per-packet one-way delay: 51.068 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

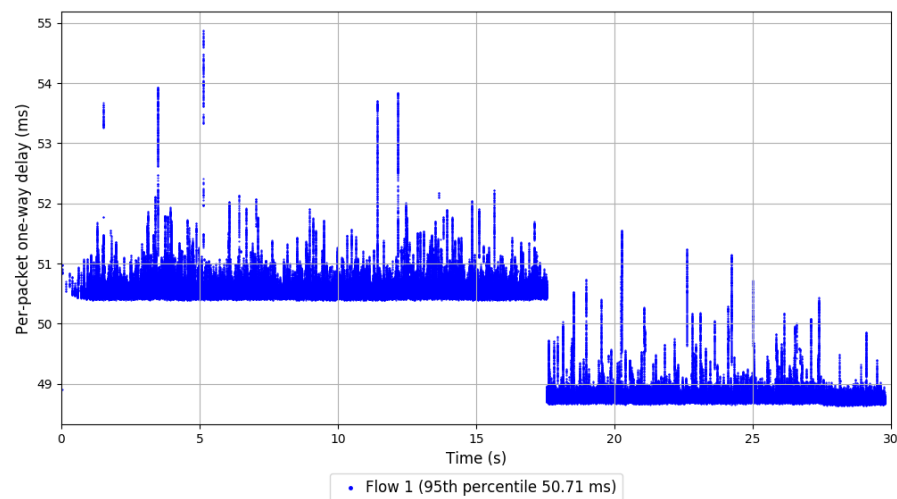
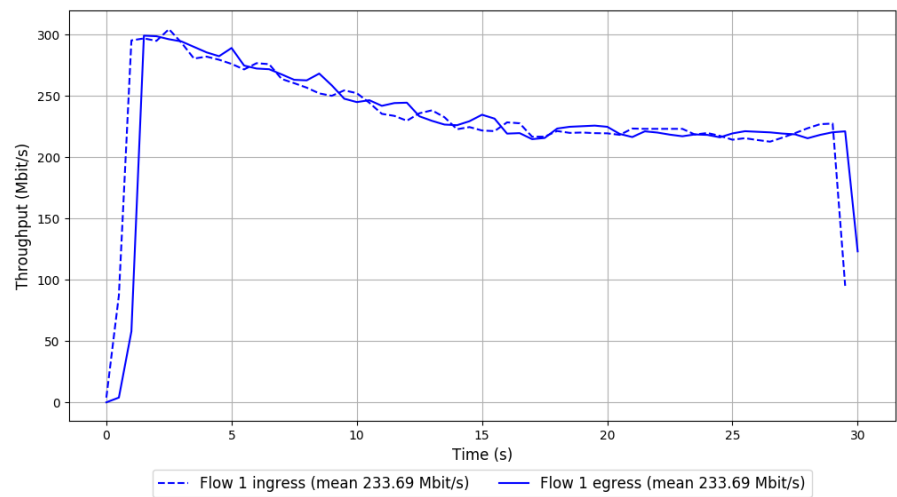


Run 9: Statistics of Indigo

Start at: 2018-06-01 07:50:27
End at: 2018-06-01 07:50:57
Local clock offset: 0.004 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-06-01 09:18:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 233.69 Mbit/s
95th percentile per-packet one-way delay: 50.708 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 233.69 Mbit/s
95th percentile per-packet one-way delay: 50.708 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link

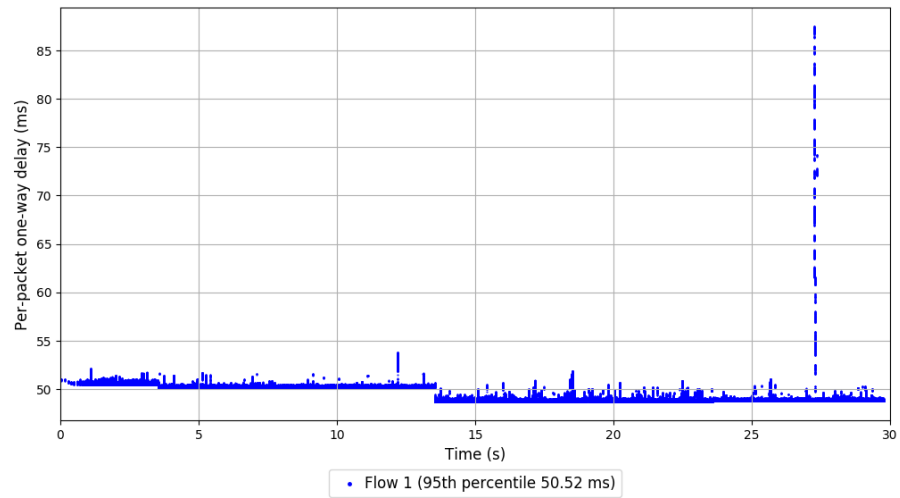
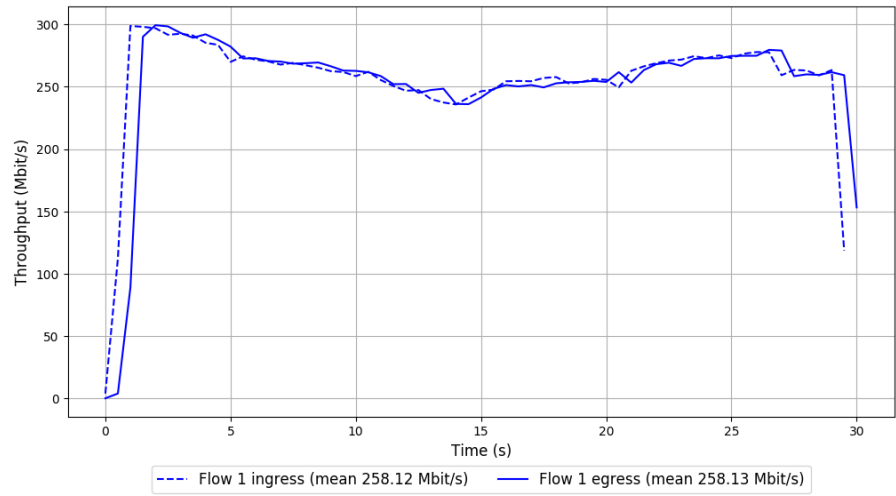


Run 10: Statistics of Indigo

Start at: 2018-06-01 08:11:11
End at: 2018-06-01 08:11:41
Local clock offset: -0.032 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-06-01 09:18:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 258.13 Mbit/s
95th percentile per-packet one-way delay: 50.519 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 258.13 Mbit/s
95th percentile per-packet one-way delay: 50.519 ms
Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

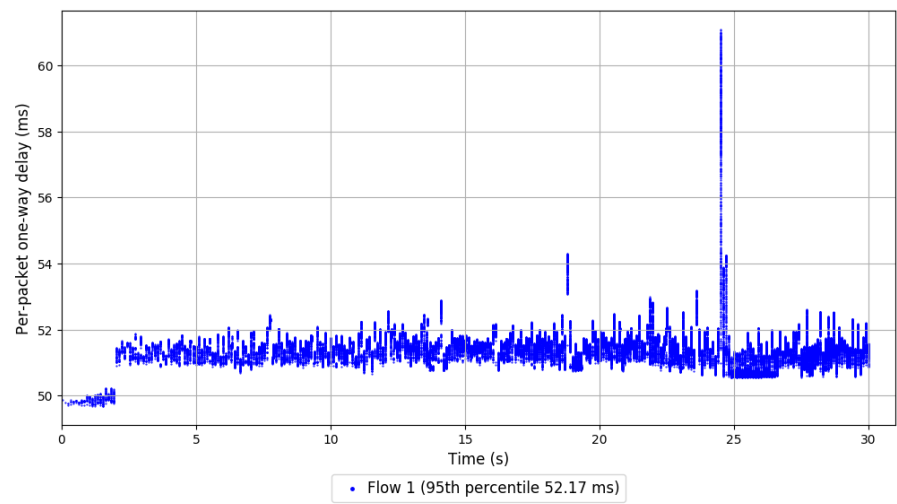
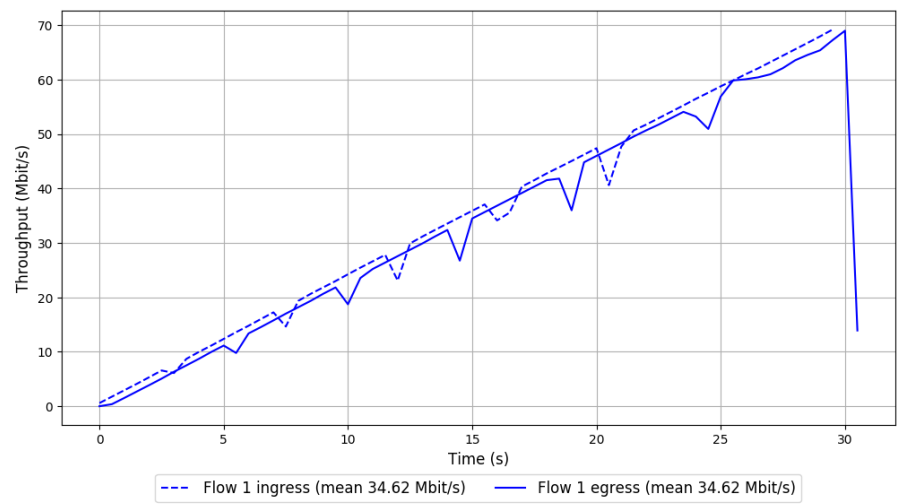


Run 1: Statistics of LEDBAT

Start at: 2018-06-01 05:18:43
End at: 2018-06-01 05:19:13
Local clock offset: 0.04 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-06-01 09:18:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.62 Mbit/s
95th percentile per-packet one-way delay: 52.175 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.62 Mbit/s
95th percentile per-packet one-way delay: 52.175 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

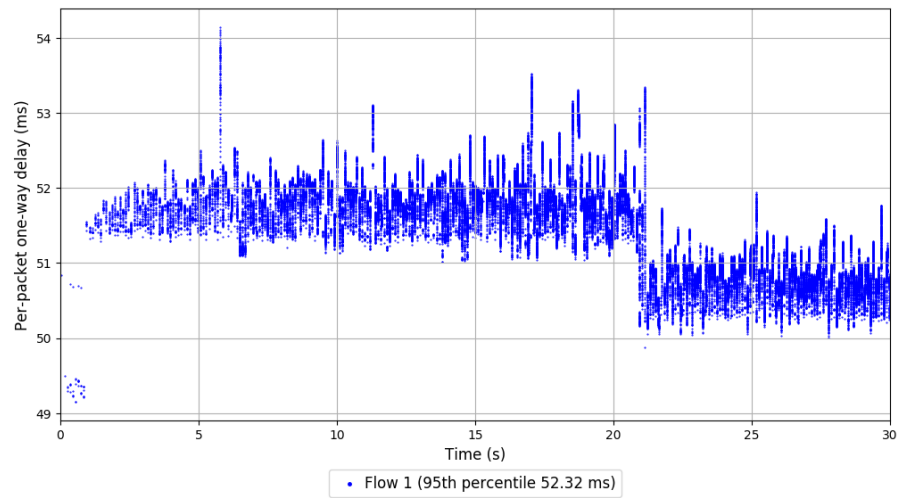
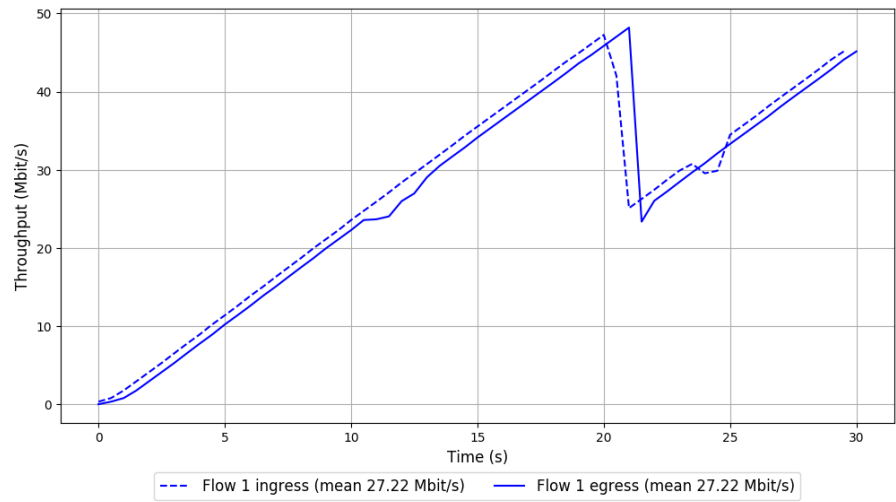


Run 2: Statistics of LEDBAT

Start at: 2018-06-01 05:39:04
End at: 2018-06-01 05:39:34
Local clock offset: -0.291 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-06-01 09:18:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 27.22 Mbit/s
95th percentile per-packet one-way delay: 52.320 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 27.22 Mbit/s
95th percentile per-packet one-way delay: 52.320 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

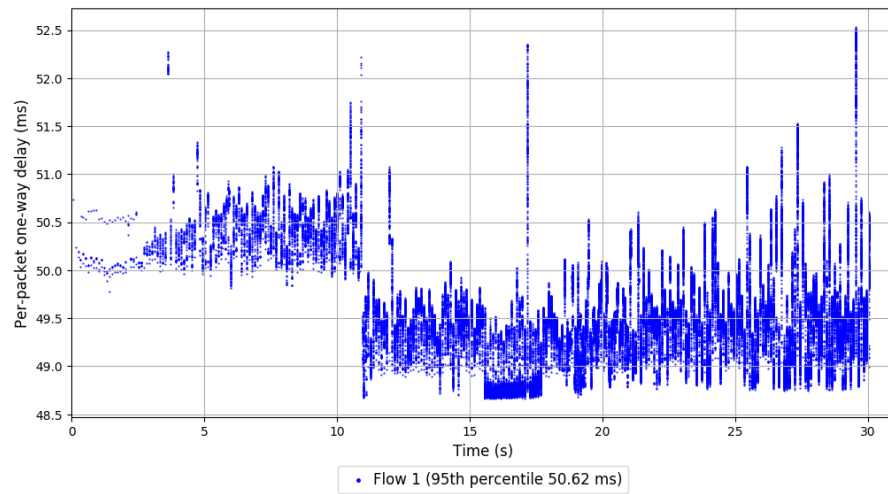
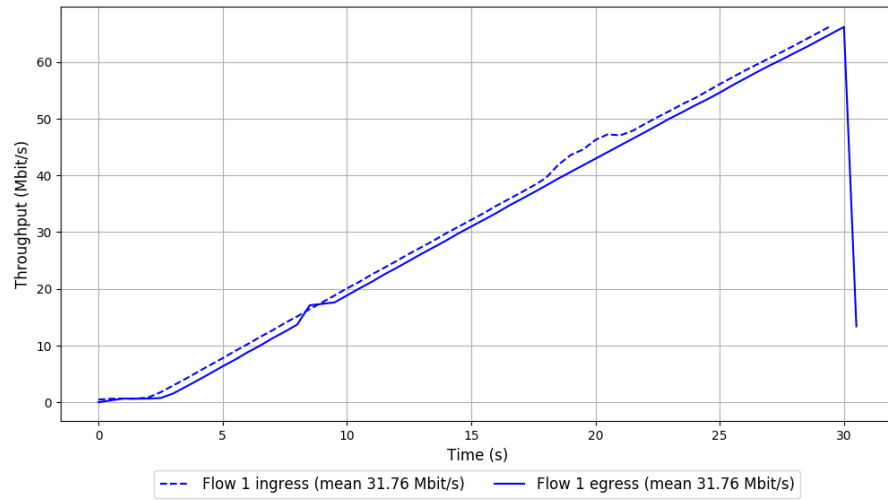


Run 3: Statistics of LEDBAT

Start at: 2018-06-01 05:59:44
End at: 2018-06-01 06:00:14
Local clock offset: 0.091 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-06-01 09:18:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.76 Mbit/s
95th percentile per-packet one-way delay: 50.621 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 31.76 Mbit/s
95th percentile per-packet one-way delay: 50.621 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-06-01 06:20:24

End at: 2018-06-01 06:20:54

Local clock offset: -0.243 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-06-01 09:18:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.54 Mbit/s

95th percentile per-packet one-way delay: 50.996 ms

Loss rate: 0.00%

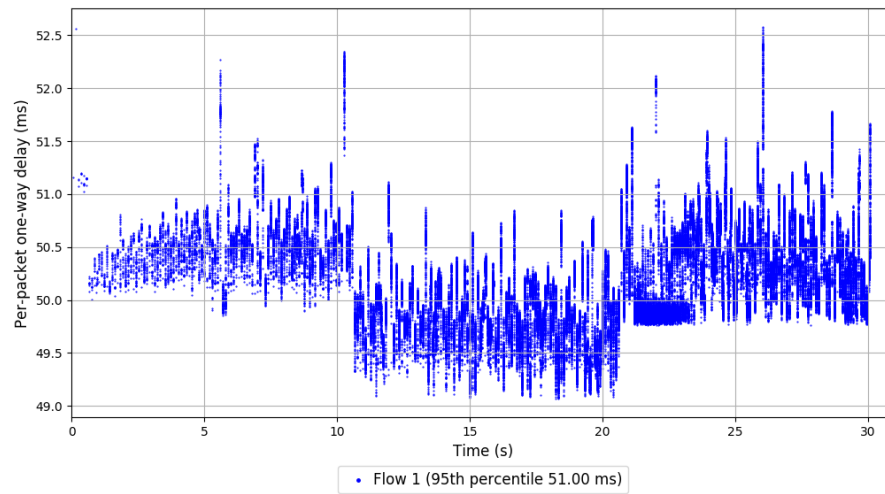
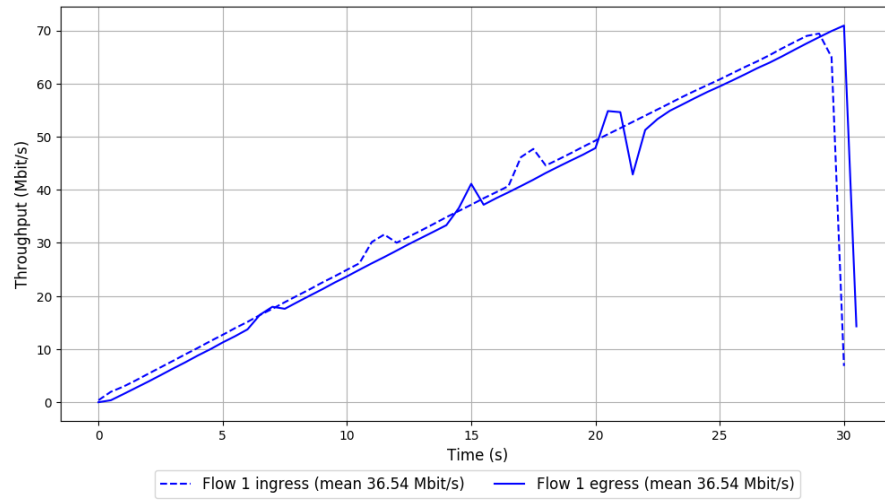
-- Flow 1:

Average throughput: 36.54 Mbit/s

95th percentile per-packet one-way delay: 50.996 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-06-01 06:40:58

End at: 2018-06-01 06:41:28

Local clock offset: 0.091 ms

Remote clock offset: 0.057 ms

Below is generated by plot.py at 2018-06-01 09:18:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.81 Mbit/s

95th percentile per-packet one-way delay: 51.564 ms

Loss rate: 0.00%

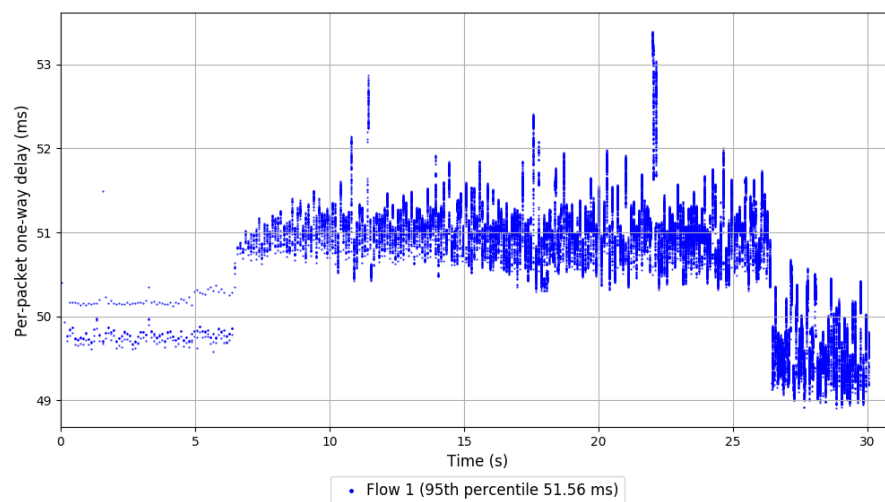
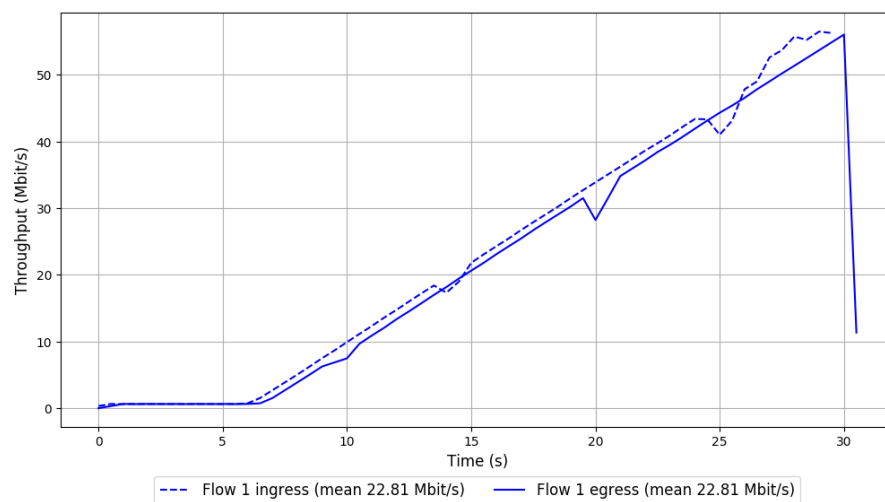
-- Flow 1:

Average throughput: 22.81 Mbit/s

95th percentile per-packet one-way delay: 51.564 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-06-01 07:01:37

End at: 2018-06-01 07:02:07

Local clock offset: 0.052 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-06-01 09:18:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.96 Mbit/s

95th percentile per-packet one-way delay: 51.700 ms

Loss rate: 0.01%

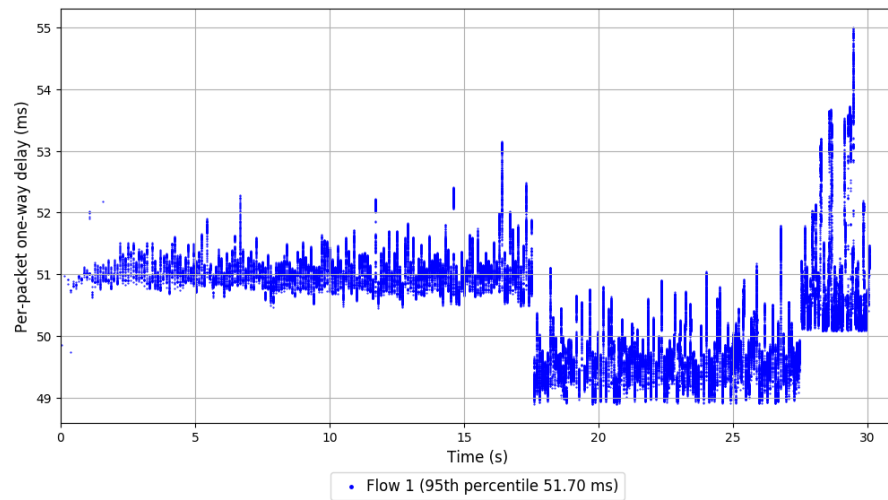
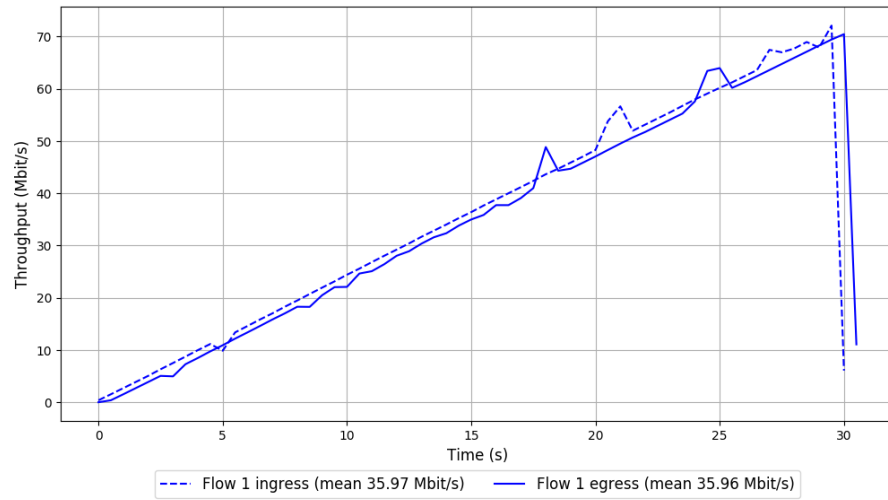
-- Flow 1:

Average throughput: 35.96 Mbit/s

95th percentile per-packet one-way delay: 51.700 ms

Loss rate: 0.01%

Run 6: Report of LEDBAT — Data Link

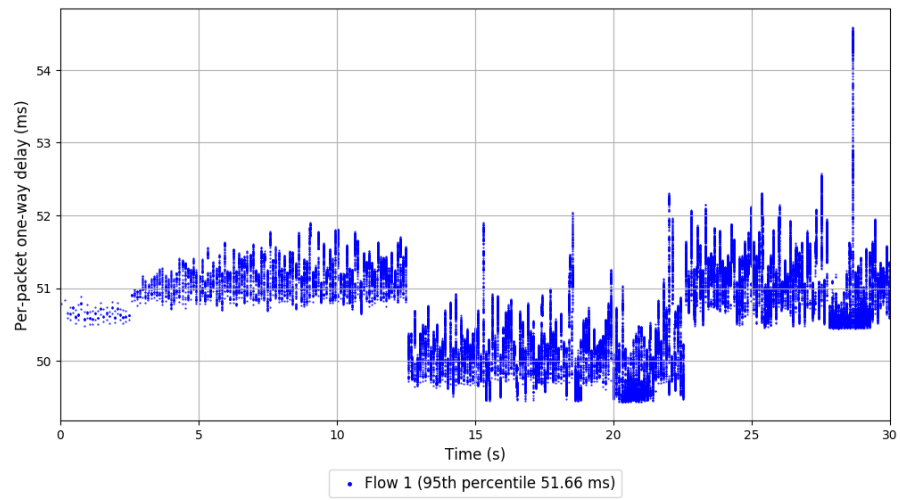
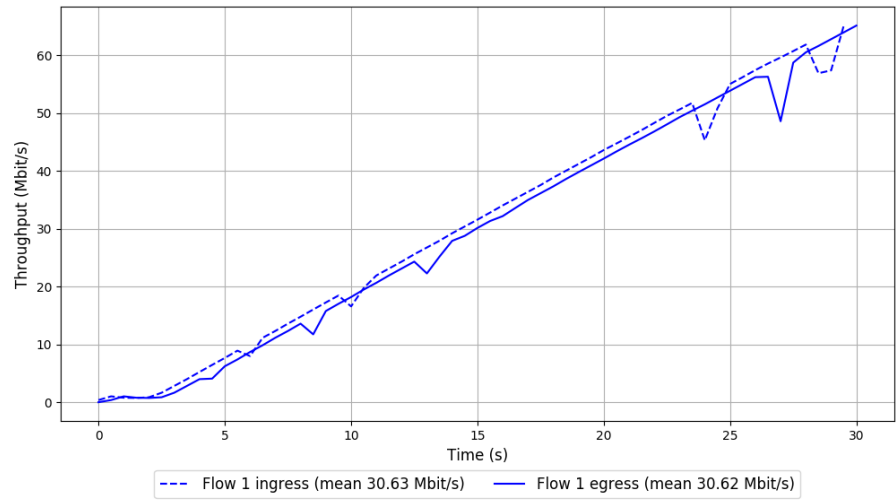


Run 7: Statistics of LEDBAT

Start at: 2018-06-01 07:22:12
End at: 2018-06-01 07:22:42
Local clock offset: 0.044 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-06-01 09:18:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.62 Mbit/s
95th percentile per-packet one-way delay: 51.661 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 30.62 Mbit/s
95th percentile per-packet one-way delay: 51.661 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

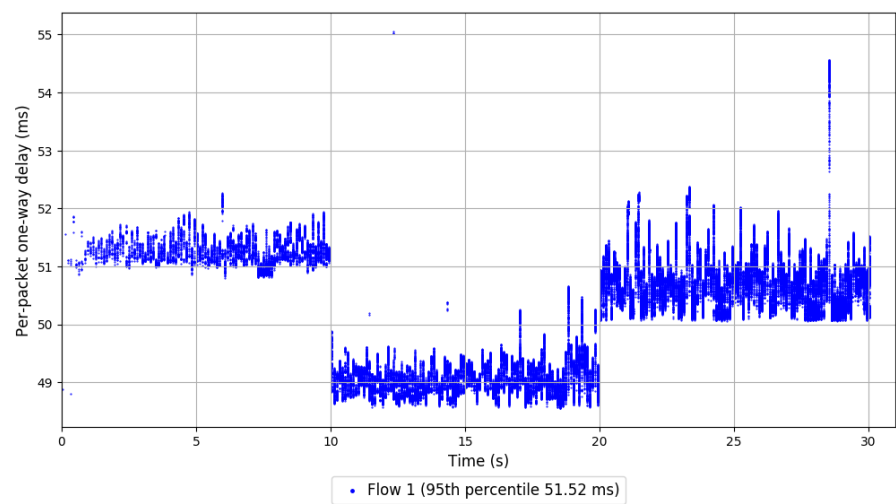
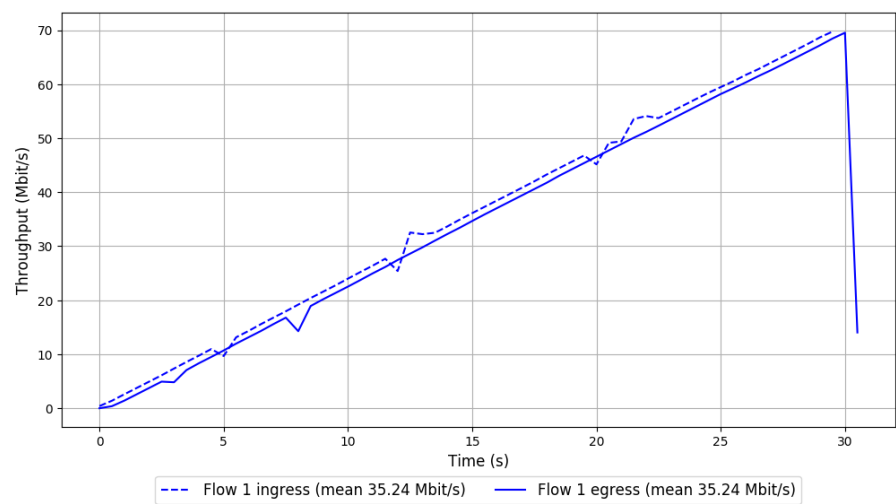


Run 8: Statistics of LEDBAT

Start at: 2018-06-01 07:42:35
End at: 2018-06-01 07:43:05
Local clock offset: 0.074 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-06-01 09:18:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.24 Mbit/s
95th percentile per-packet one-way delay: 51.515 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.24 Mbit/s
95th percentile per-packet one-way delay: 51.515 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

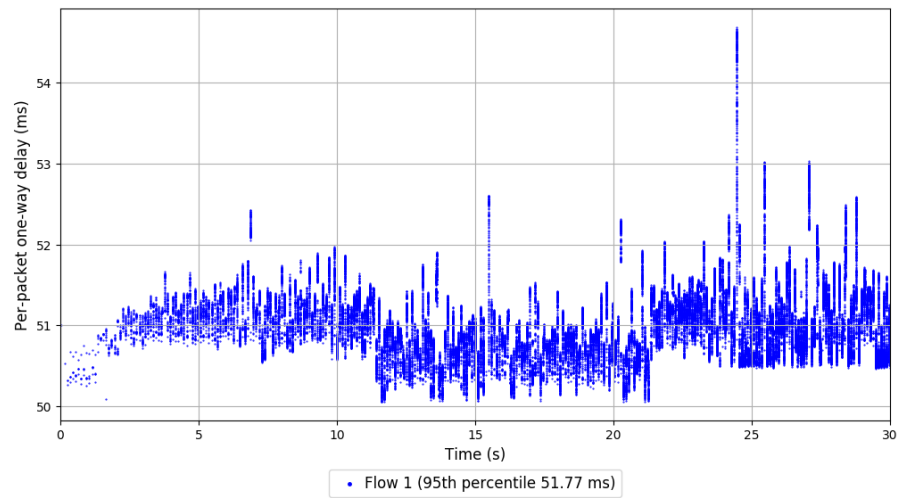
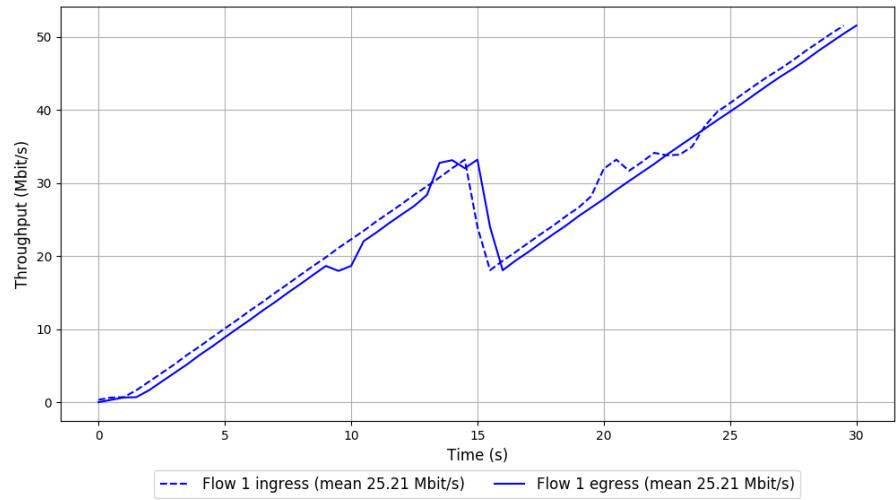


Run 9: Statistics of LEDBAT

Start at: 2018-06-01 08:03:03
End at: 2018-06-01 08:03:33
Local clock offset: -0.358 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-06-01 09:18:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 25.21 Mbit/s
95th percentile per-packet one-way delay: 51.774 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 25.21 Mbit/s
95th percentile per-packet one-way delay: 51.774 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

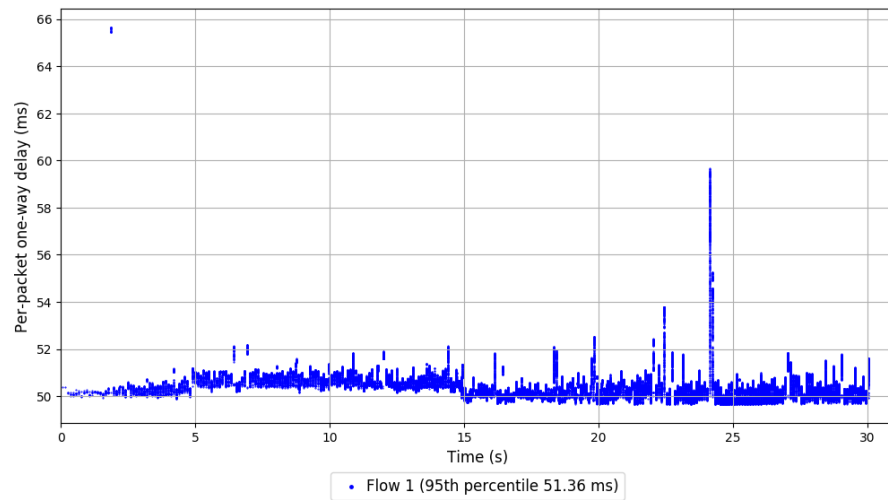
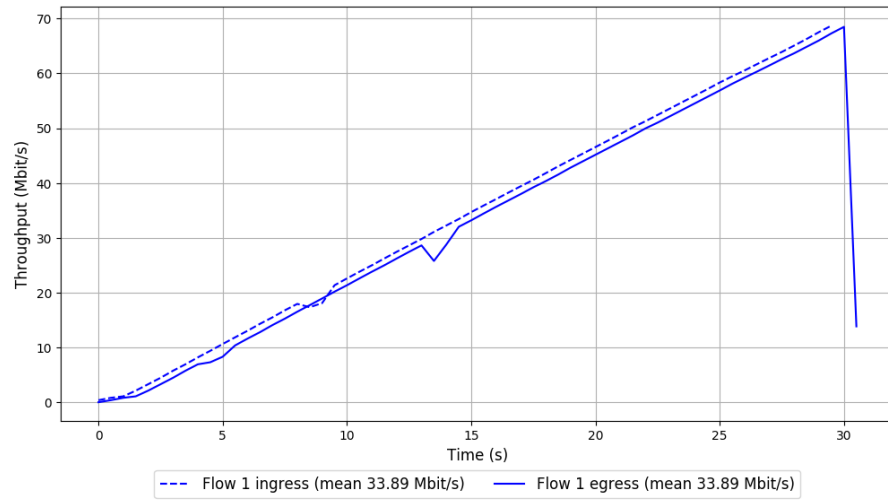


Run 10: Statistics of LEDBAT

Start at: 2018-06-01 08:23:50
End at: 2018-06-01 08:24:20
Local clock offset: 0.013 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-06-01 09:18:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.89 Mbit/s
95th percentile per-packet one-way delay: 51.360 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 33.89 Mbit/s
95th percentile per-packet one-way delay: 51.360 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

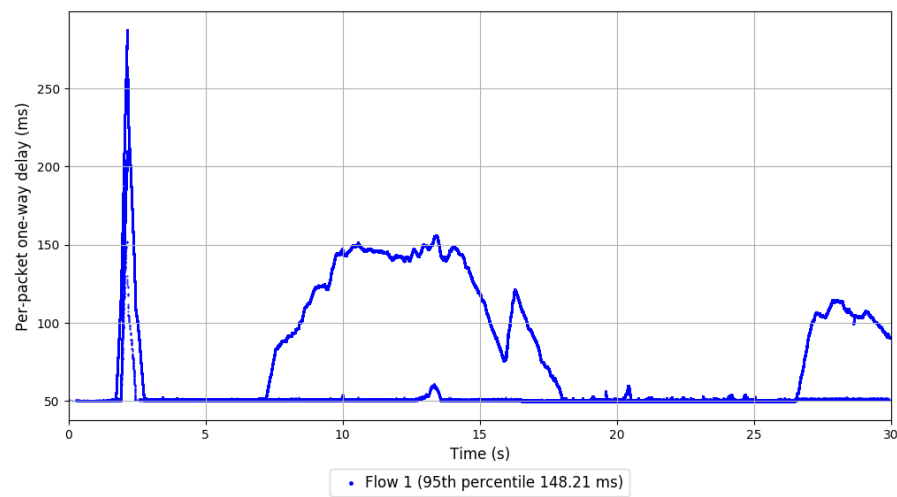
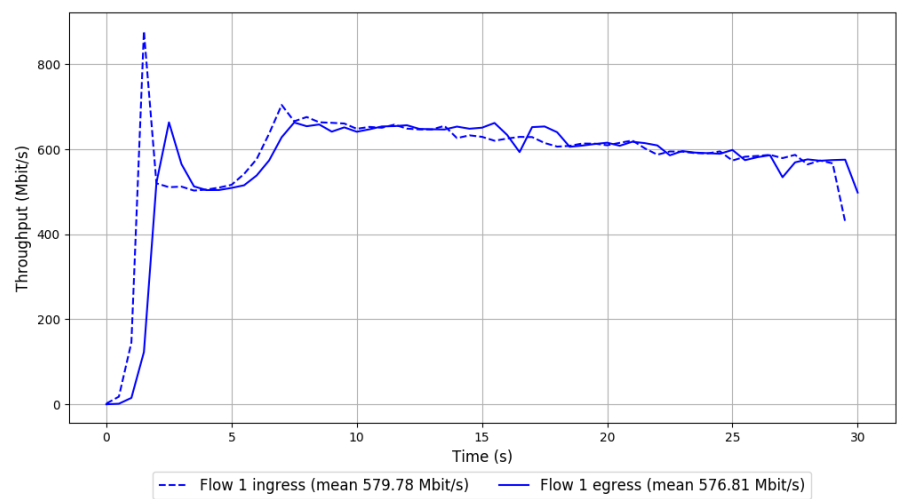


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-06-01 05:00:28
End at: 2018-06-01 05:00:58
Local clock offset: -0.004 ms
Remote clock offset: 0.006 ms

# Below is generated by plot.py at 2018-06-01 09:22:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 576.81 Mbit/s
95th percentile per-packet one-way delay: 148.212 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 576.81 Mbit/s
95th percentile per-packet one-way delay: 148.212 ms
Loss rate: 0.51%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-06-01 05:21:10

End at: 2018-06-01 05:21:40

Local clock offset: 0.071 ms

Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-06-01 09:22:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 559.61 Mbit/s

95th percentile per-packet one-way delay: 209.757 ms

Loss rate: 4.65%

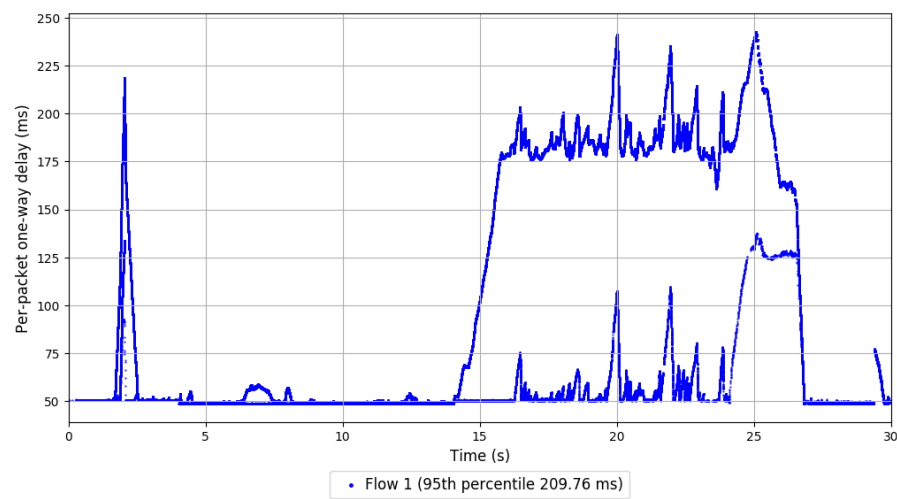
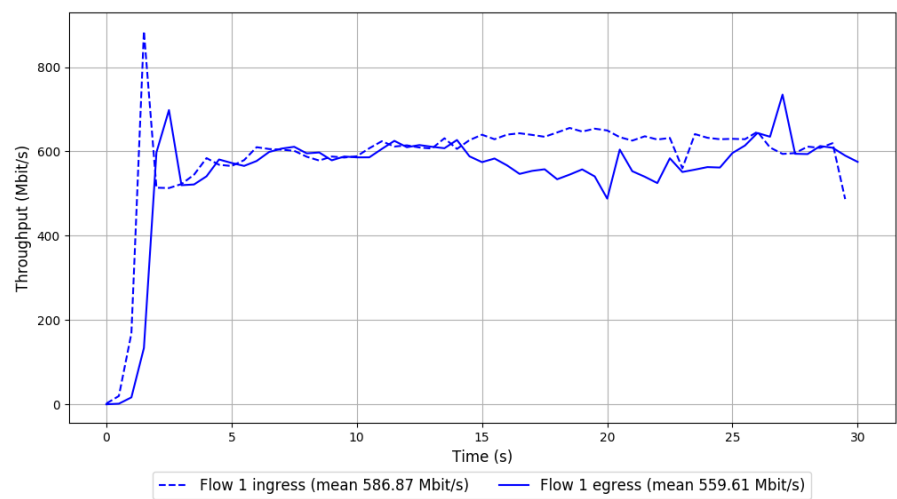
-- Flow 1:

Average throughput: 559.61 Mbit/s

95th percentile per-packet one-way delay: 209.757 ms

Loss rate: 4.65%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-06-01 05:41:32

End at: 2018-06-01 05:42:02

Local clock offset: 0.071 ms

Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-06-01 09:22:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 578.33 Mbit/s

95th percentile per-packet one-way delay: 63.829 ms

Loss rate: 0.39%

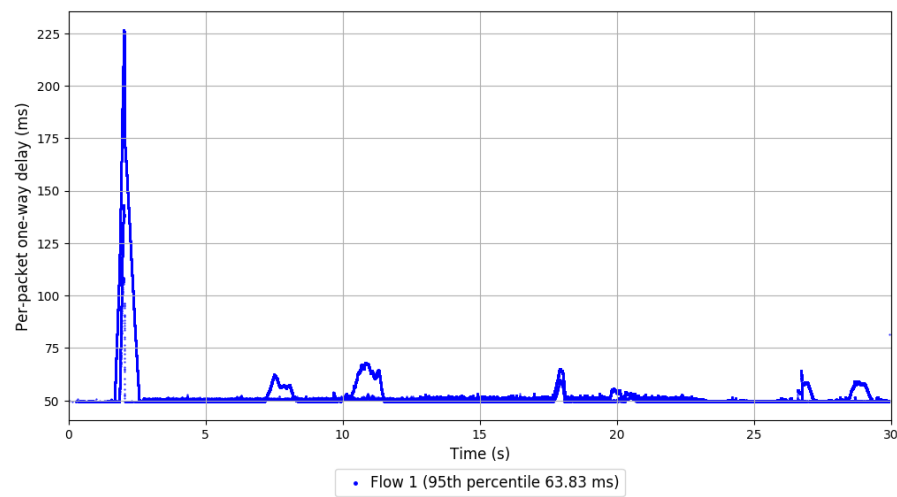
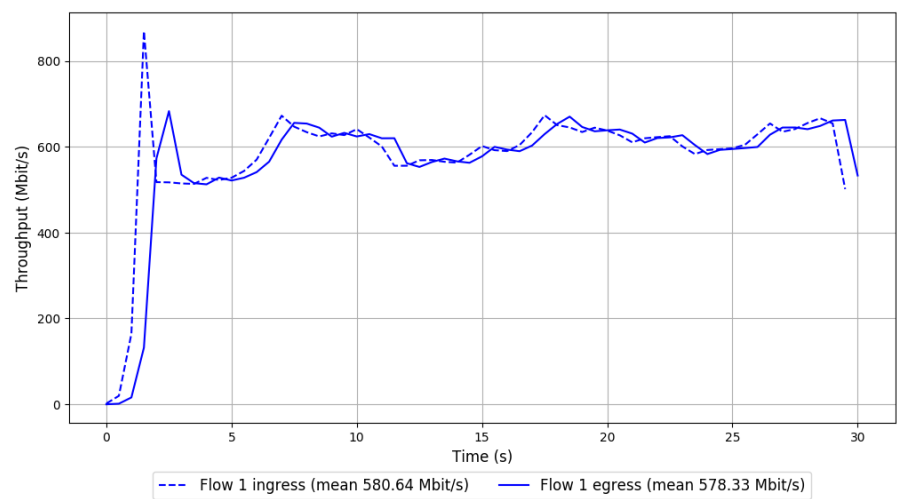
-- Flow 1:

Average throughput: 578.33 Mbit/s

95th percentile per-packet one-way delay: 63.829 ms

Loss rate: 0.39%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-06-01 06:02:15

End at: 2018-06-01 06:02:45

Local clock offset: -0.276 ms

Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-06-01 09:22:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 573.39 Mbit/s

95th percentile per-packet one-way delay: 145.223 ms

Loss rate: 0.66%

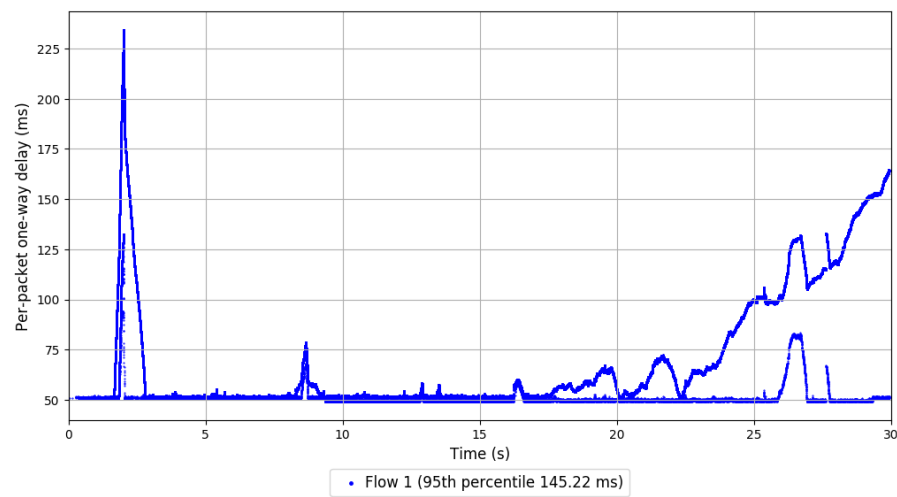
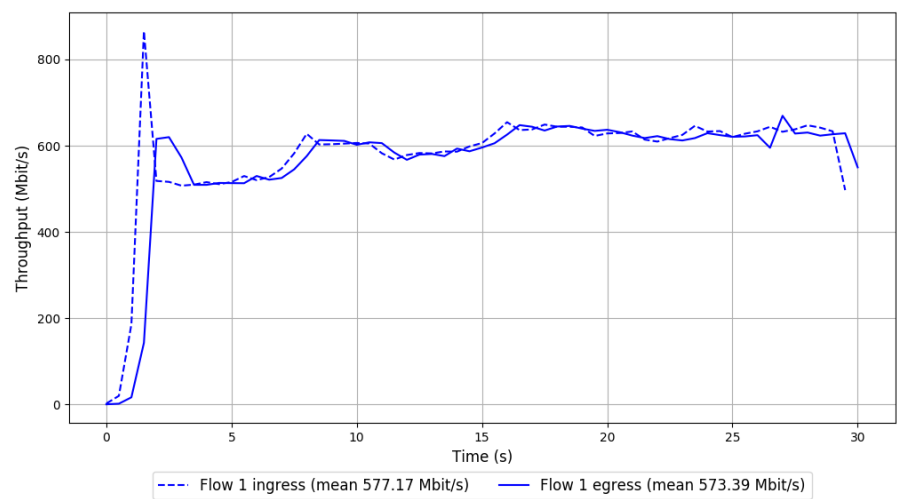
-- Flow 1:

Average throughput: 573.39 Mbit/s

95th percentile per-packet one-way delay: 145.223 ms

Loss rate: 0.66%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-06-01 06:22:56

End at: 2018-06-01 06:23:27

Local clock offset: 0.06 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-06-01 09:23:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 588.56 Mbit/s

95th percentile per-packet one-way delay: 70.451 ms

Loss rate: 0.44%

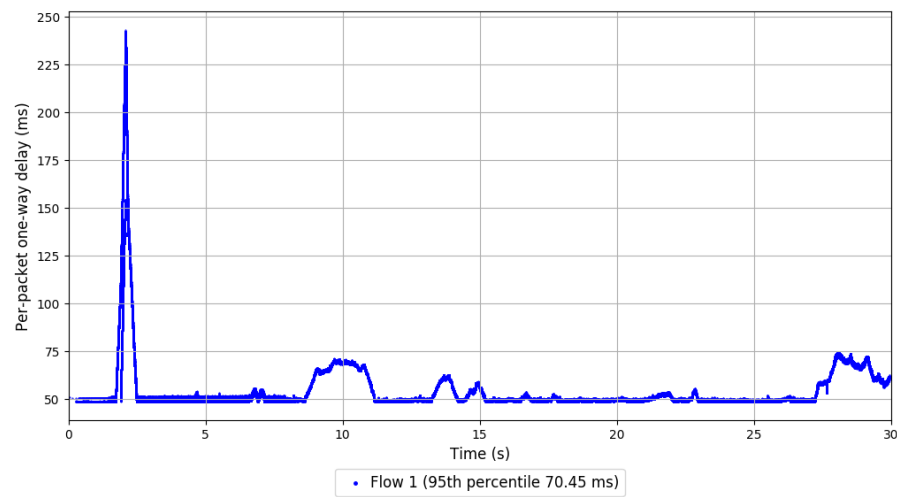
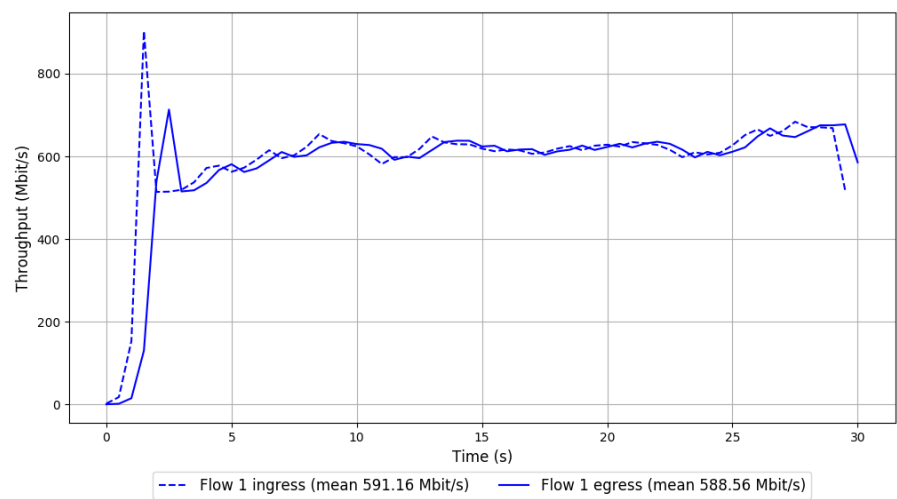
-- Flow 1:

Average throughput: 588.56 Mbit/s

95th percentile per-packet one-way delay: 70.451 ms

Loss rate: 0.44%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-01 06:43:29

End at: 2018-06-01 06:43:59

Local clock offset: 0.04 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-06-01 09:24:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 583.58 Mbit/s

95th percentile per-packet one-way delay: 148.241 ms

Loss rate: 0.81%

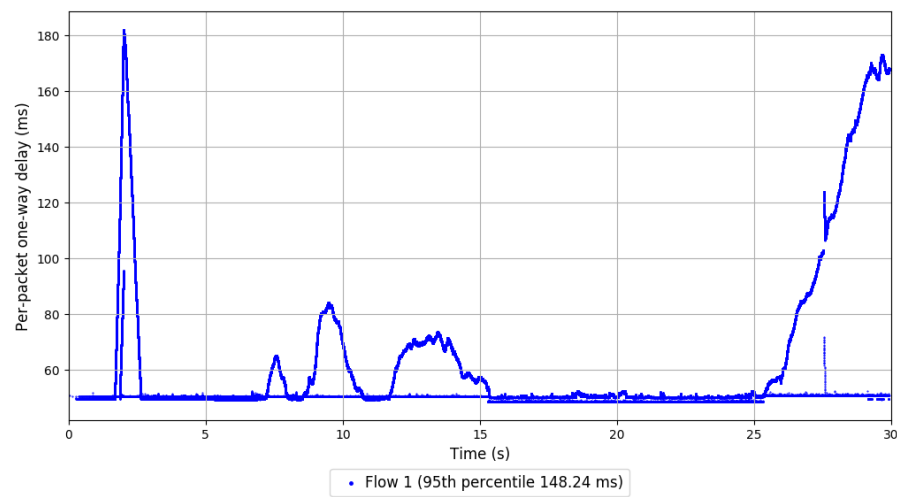
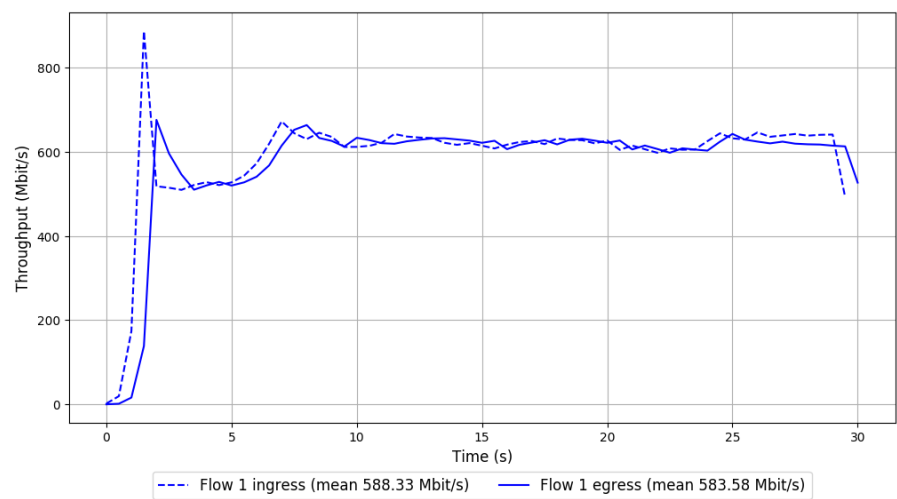
-- Flow 1:

Average throughput: 583.58 Mbit/s

95th percentile per-packet one-way delay: 148.241 ms

Loss rate: 0.81%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-06-01 07:04:08

End at: 2018-06-01 07:04:38

Local clock offset: 0.402 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-06-01 09:26:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 586.00 Mbit/s

95th percentile per-packet one-way delay: 146.481 ms

Loss rate: 0.80%

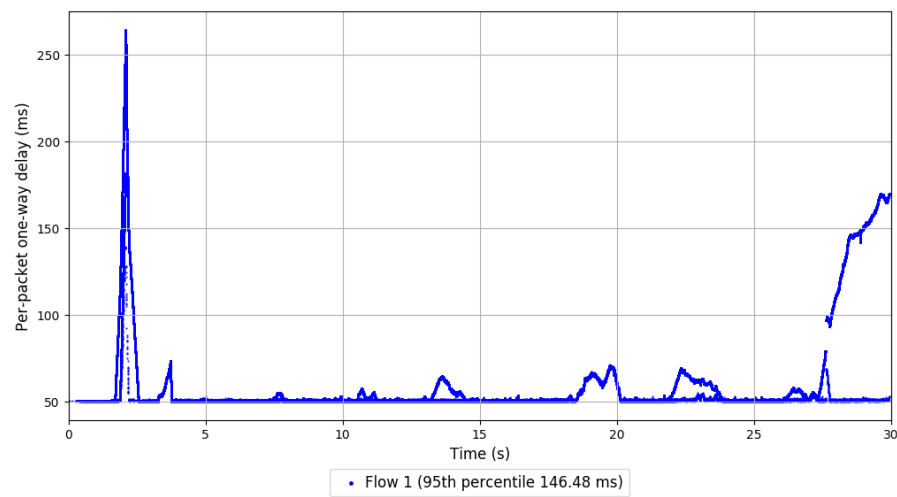
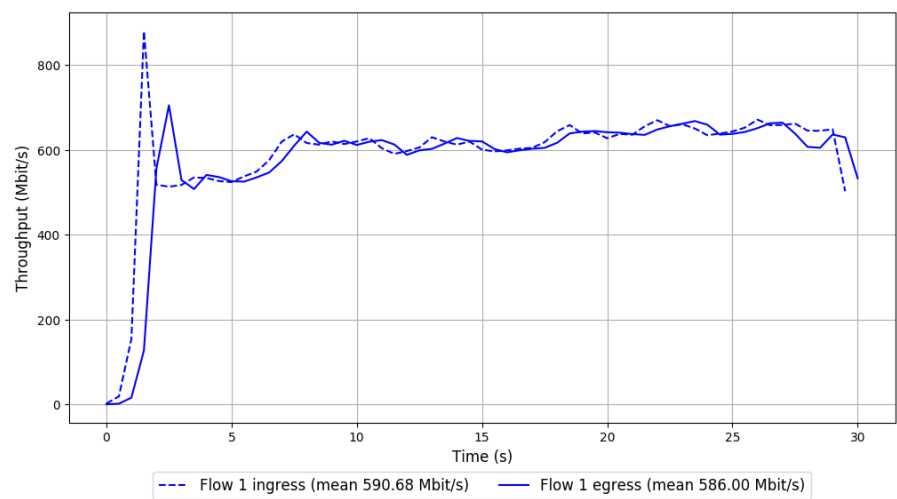
-- Flow 1:

Average throughput: 586.00 Mbit/s

95th percentile per-packet one-way delay: 146.481 ms

Loss rate: 0.80%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-01 07:24:45

End at: 2018-06-01 07:25:15

Local clock offset: -0.3 ms

Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-06-01 09:28:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 593.27 Mbit/s

95th percentile per-packet one-way delay: 167.953 ms

Loss rate: 1.33%

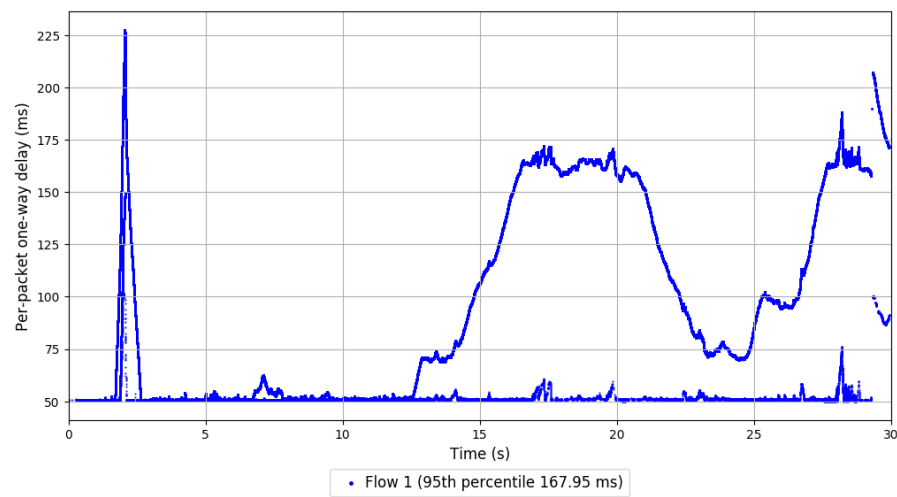
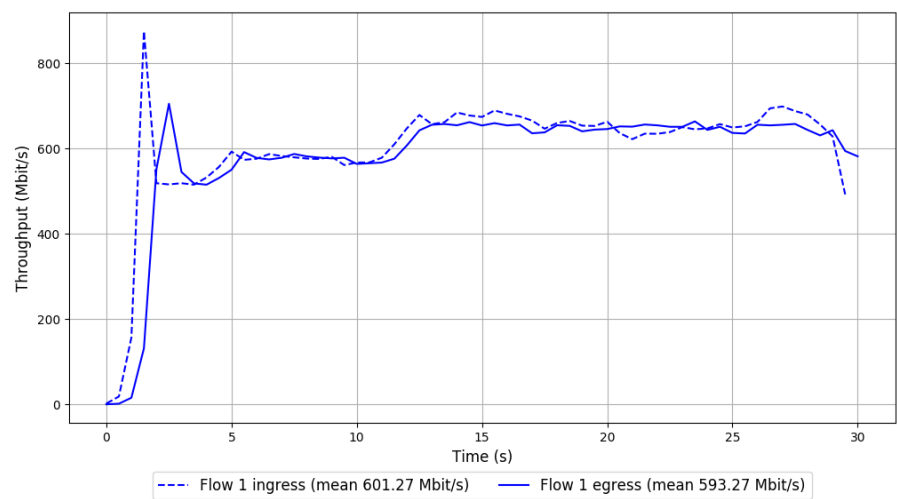
-- Flow 1:

Average throughput: 593.27 Mbit/s

95th percentile per-packet one-way delay: 167.953 ms

Loss rate: 1.33%

Run 8: Report of PCC-Allegro — Data Link

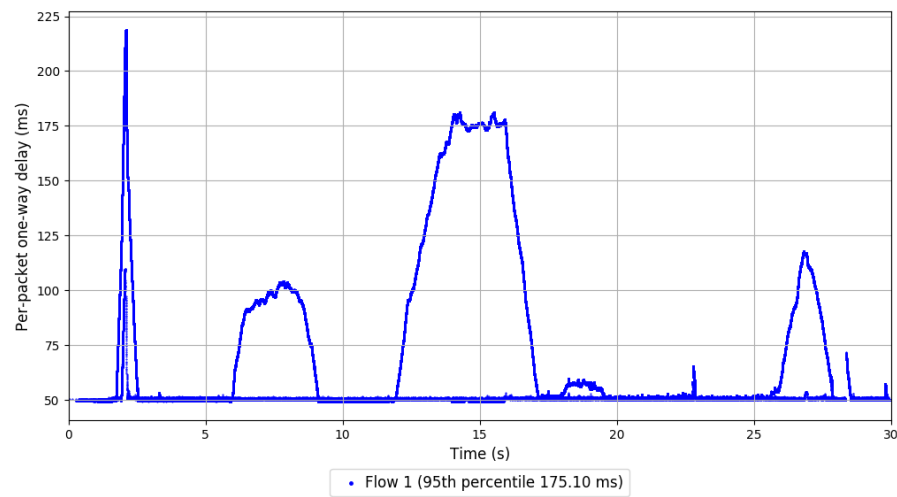
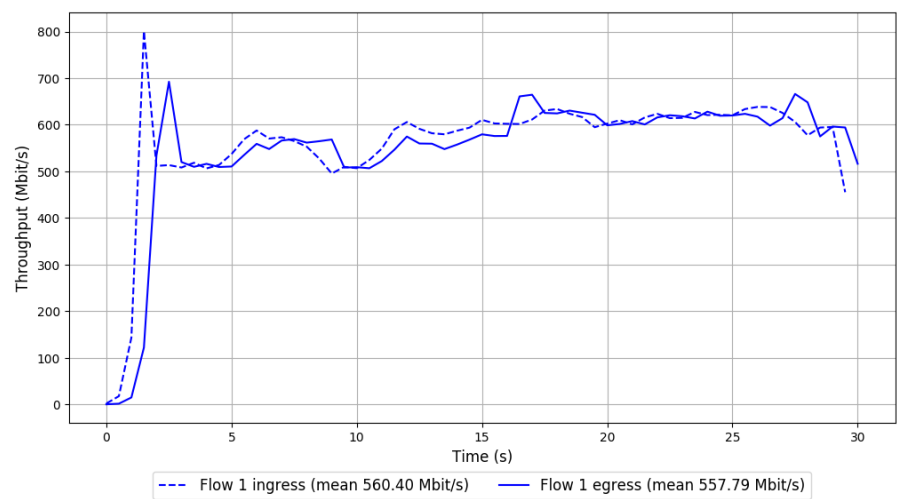


Run 9: Statistics of PCC-Allegro

Start at: 2018-06-01 07:45:09
End at: 2018-06-01 07:45:39
Local clock offset: 0.368 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-06-01 09:31:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 557.79 Mbit/s
95th percentile per-packet one-way delay: 175.103 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 557.79 Mbit/s
95th percentile per-packet one-way delay: 175.103 ms
Loss rate: 0.47%

Run 9: Report of PCC-Allegro — Data Link

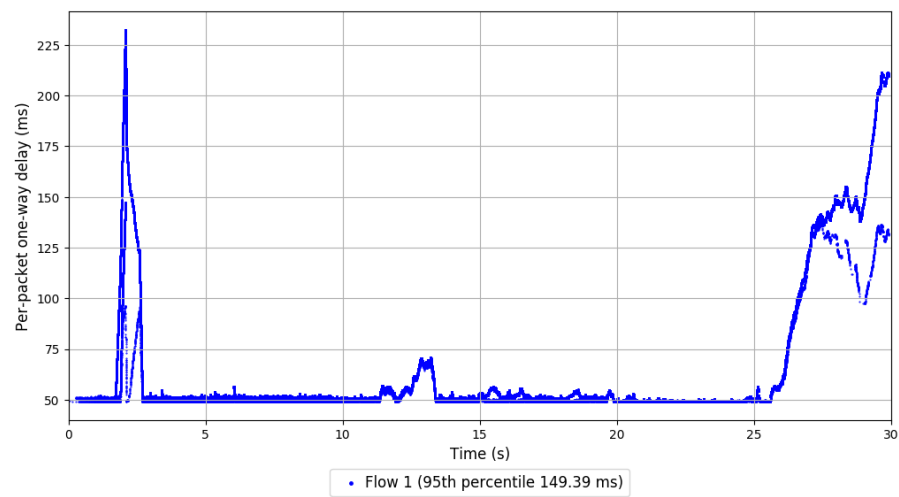
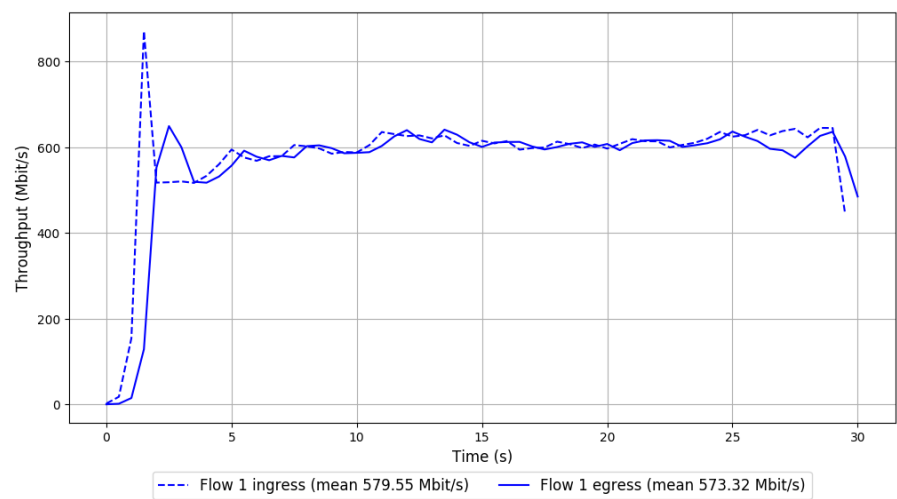


Run 10: Statistics of PCC-Allegro

Start at: 2018-06-01 08:05:35
End at: 2018-06-01 08:06:05
Local clock offset: -0.346 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-06-01 09:31:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 573.32 Mbit/s
95th percentile per-packet one-way delay: 149.390 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 573.32 Mbit/s
95th percentile per-packet one-way delay: 149.390 ms
Loss rate: 1.06%

Run 10: Report of PCC-Allegro — Data Link

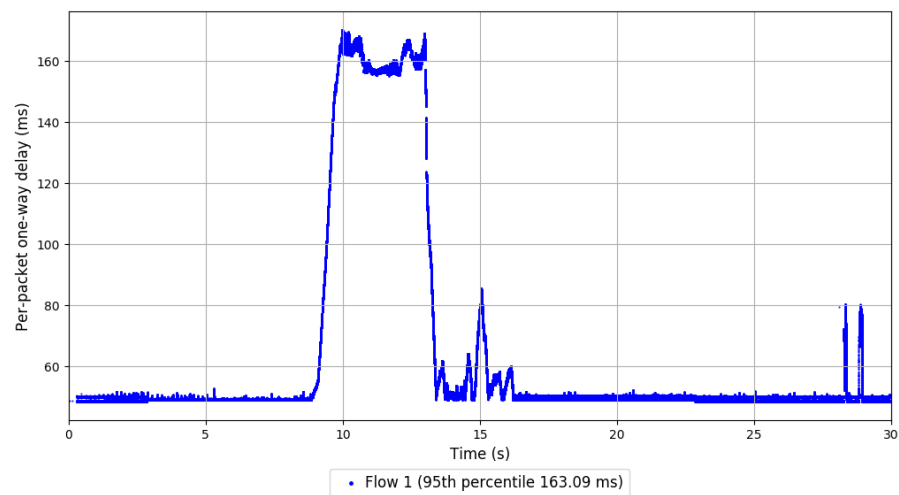
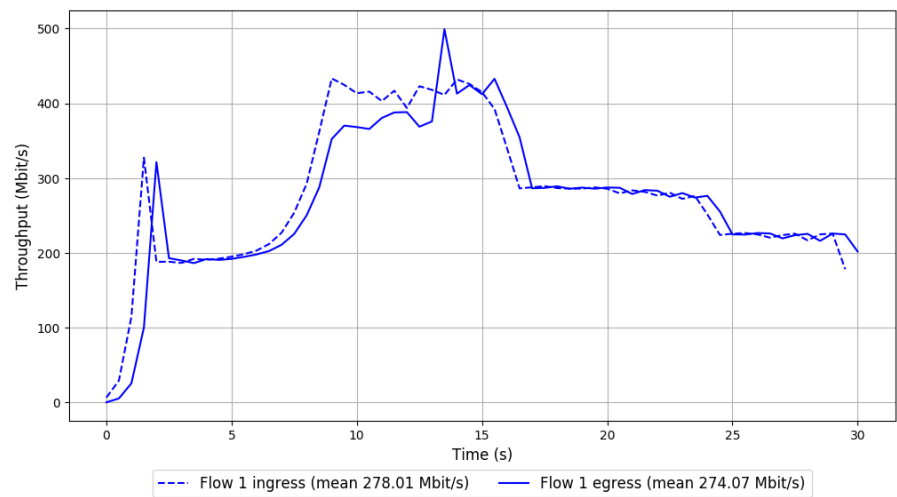


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-01 05:14:52
End at: 2018-06-01 05:15:22
Local clock offset: 0.42 ms
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2018-06-01 09:31:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 274.07 Mbit/s
95th percentile per-packet one-way delay: 163.093 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 274.07 Mbit/s
95th percentile per-packet one-way delay: 163.093 ms
Loss rate: 1.41%
```

Run 1: Report of PCC-Expr — Data Link

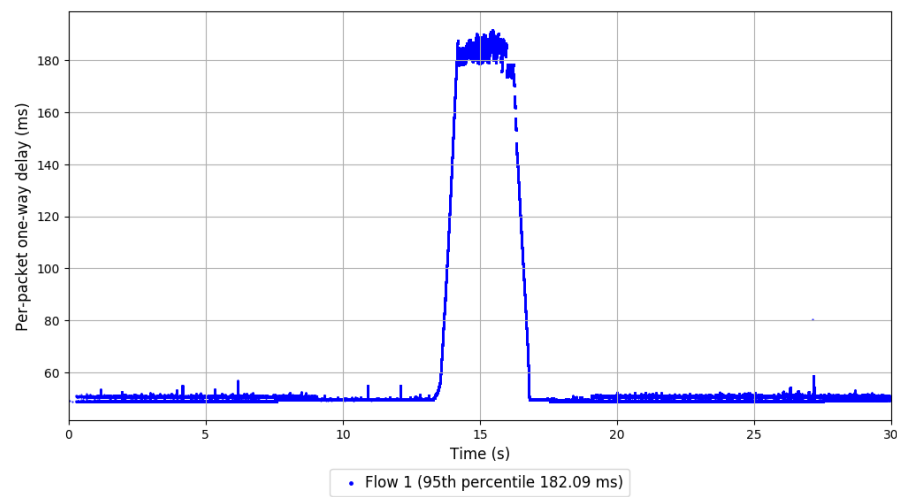
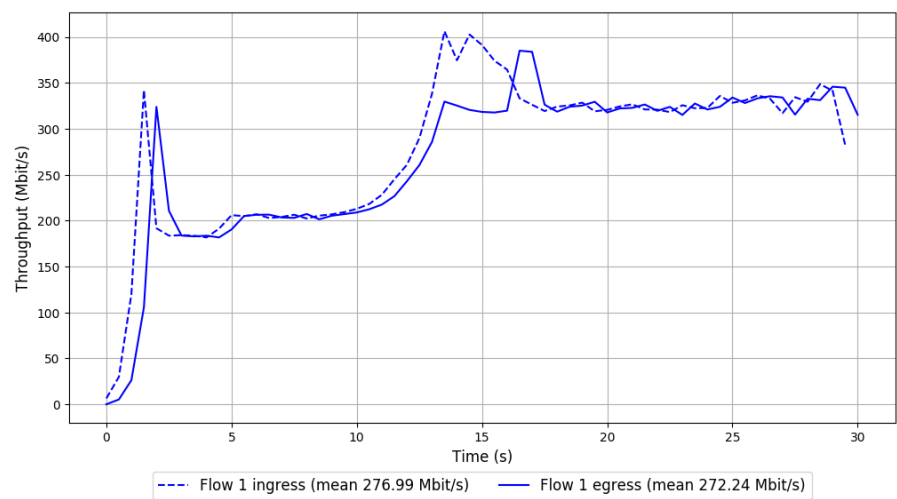


Run 2: Statistics of PCC-Expr

Start at: 2018-06-01 05:35:15
End at: 2018-06-01 05:35:45
Local clock offset: 0.09 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-06-01 09:31:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 272.24 Mbit/s
95th percentile per-packet one-way delay: 182.094 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 272.24 Mbit/s
95th percentile per-packet one-way delay: 182.094 ms
Loss rate: 1.71%

Run 2: Report of PCC-Expr — Data Link

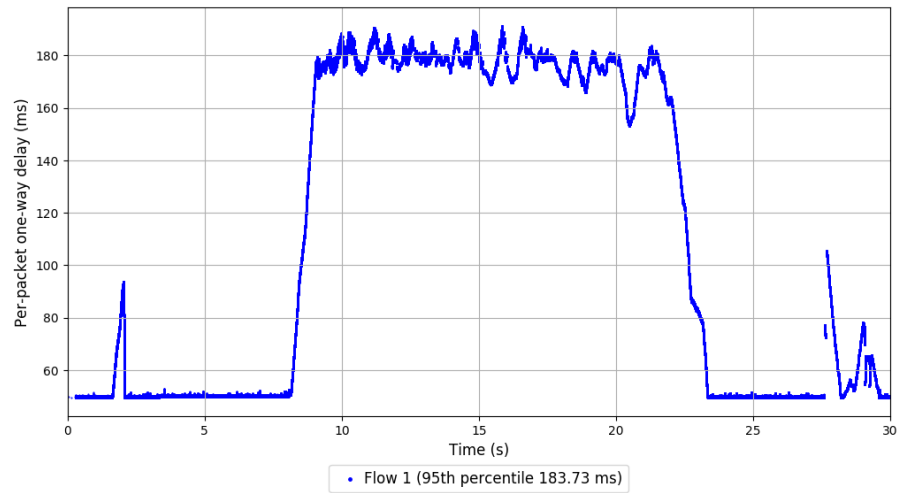
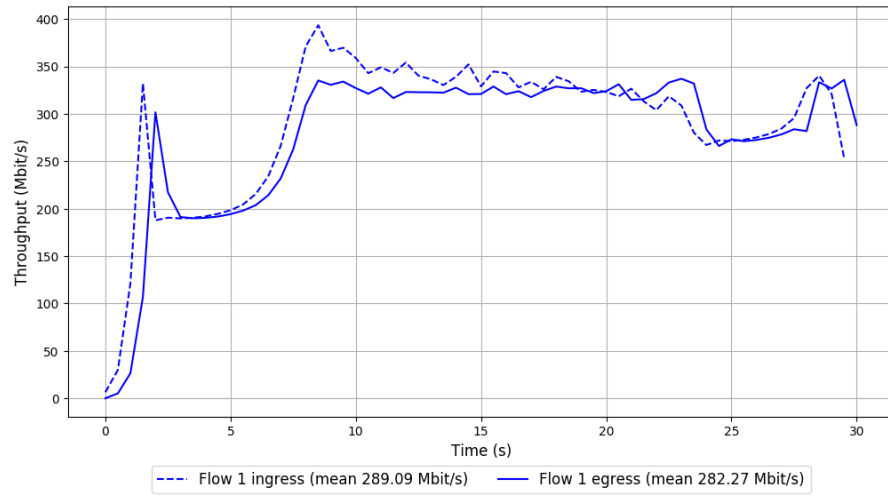


Run 3: Statistics of PCC-Expr

Start at: 2018-06-01 05:55:51
End at: 2018-06-01 05:56:21
Local clock offset: 0.105 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-06-01 09:31:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 282.27 Mbit/s
95th percentile per-packet one-way delay: 183.727 ms
Loss rate: 2.36%
-- Flow 1:
Average throughput: 282.27 Mbit/s
95th percentile per-packet one-way delay: 183.727 ms
Loss rate: 2.36%

Run 3: Report of PCC-Expr — Data Link

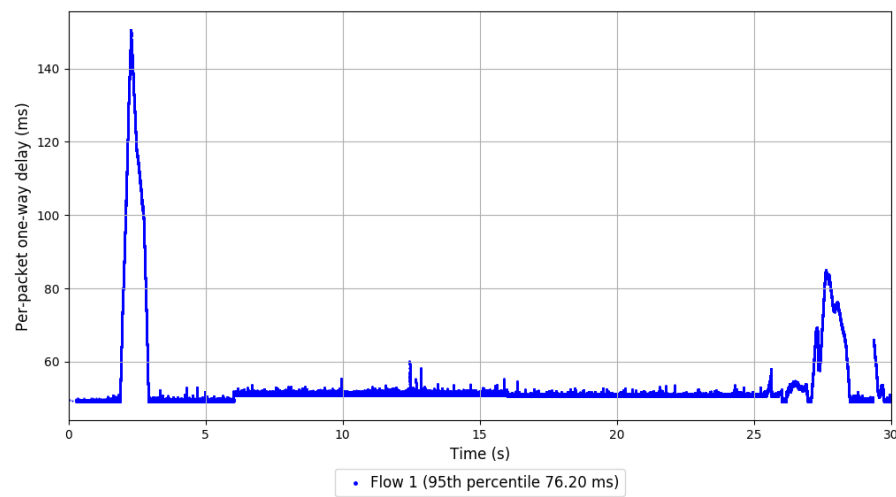
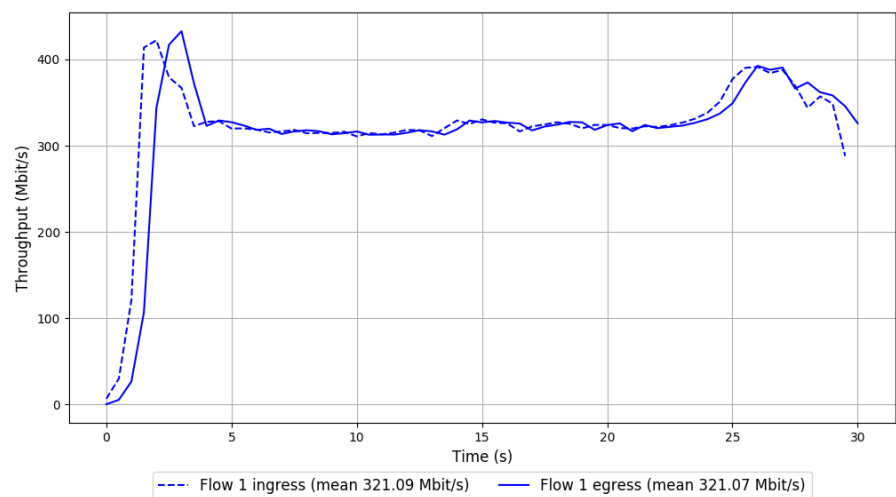


Run 4: Statistics of PCC-Expr

Start at: 2018-06-01 06:16:28
End at: 2018-06-01 06:16:58
Local clock offset: -0.243 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-06-01 09:34:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 321.07 Mbit/s
95th percentile per-packet one-way delay: 76.199 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 321.07 Mbit/s
95th percentile per-packet one-way delay: 76.199 ms
Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-06-01 06:37:14

End at: 2018-06-01 06:37:44

Local clock offset: 0.085 ms

Remote clock offset: 0.107 ms

Below is generated by plot.py at 2018-06-01 09:34:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 185.39 Mbit/s

95th percentile per-packet one-way delay: 50.738 ms

Loss rate: 0.00%

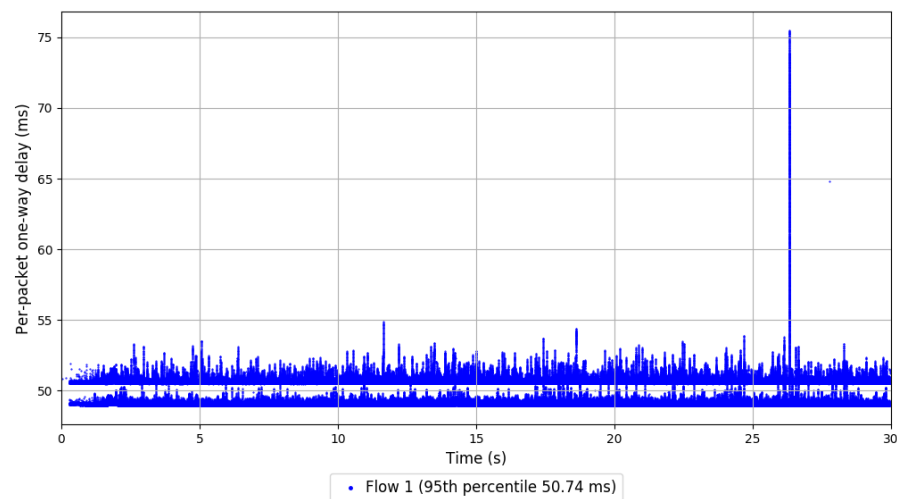
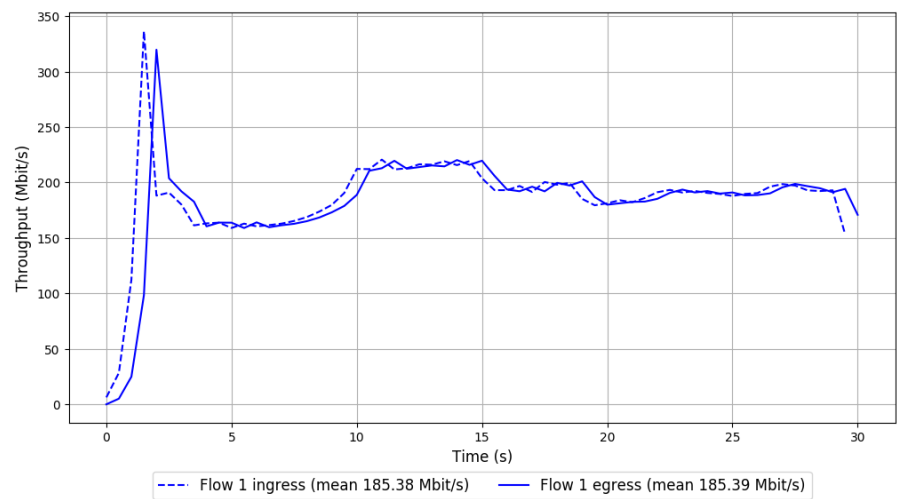
-- Flow 1:

Average throughput: 185.39 Mbit/s

95th percentile per-packet one-way delay: 50.738 ms

Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-06-01 06:57:46

End at: 2018-06-01 06:58:16

Local clock offset: -0.354 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2018-06-01 09:40:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 380.17 Mbit/s

95th percentile per-packet one-way delay: 150.831 ms

Loss rate: 7.16%

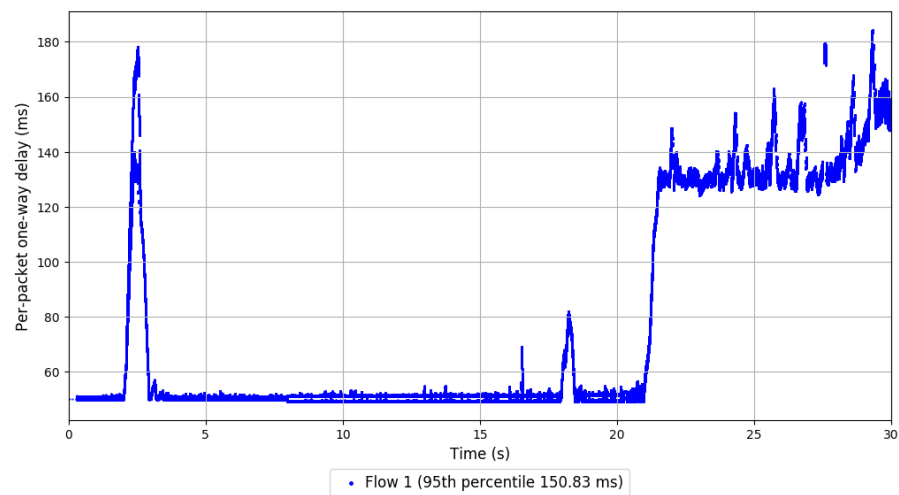
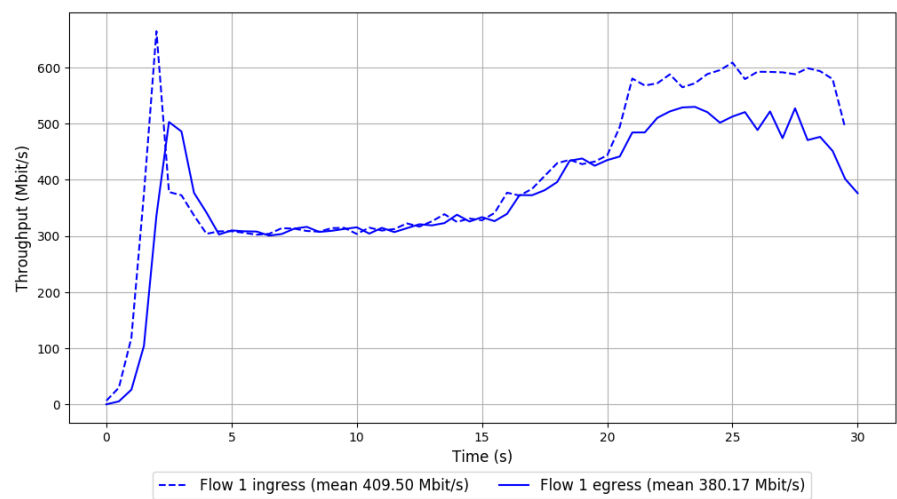
-- Flow 1:

Average throughput: 380.17 Mbit/s

95th percentile per-packet one-way delay: 150.831 ms

Loss rate: 7.16%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-06-01 07:18:24

End at: 2018-06-01 07:18:54

Local clock offset: 0.02 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-06-01 09:40:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 249.59 Mbit/s

95th percentile per-packet one-way delay: 51.056 ms

Loss rate: 0.00%

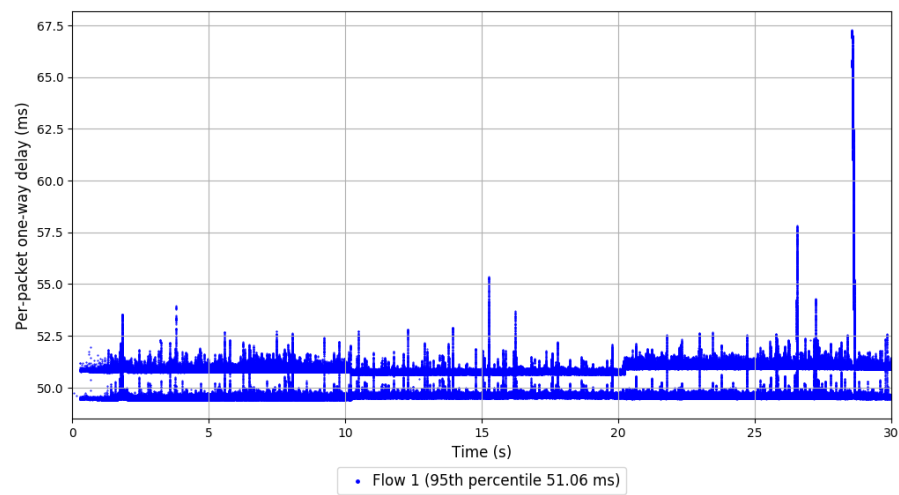
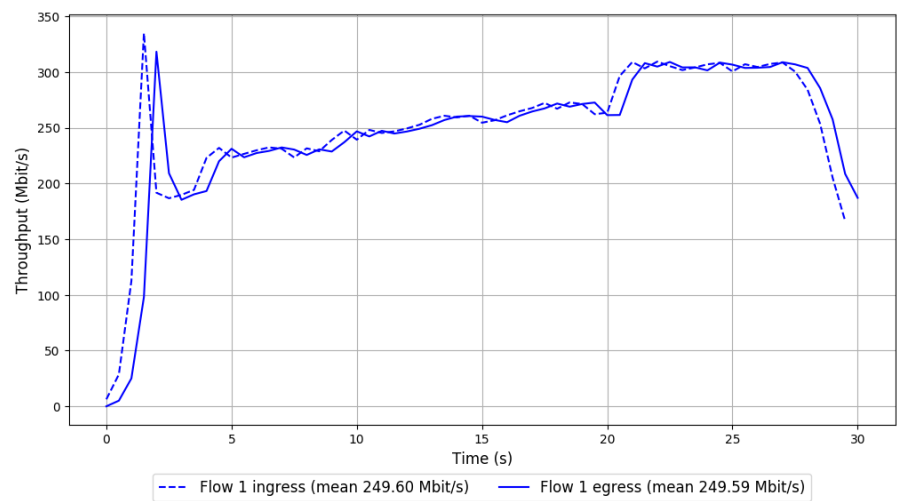
-- Flow 1:

Average throughput: 249.59 Mbit/s

95th percentile per-packet one-way delay: 51.056 ms

Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link

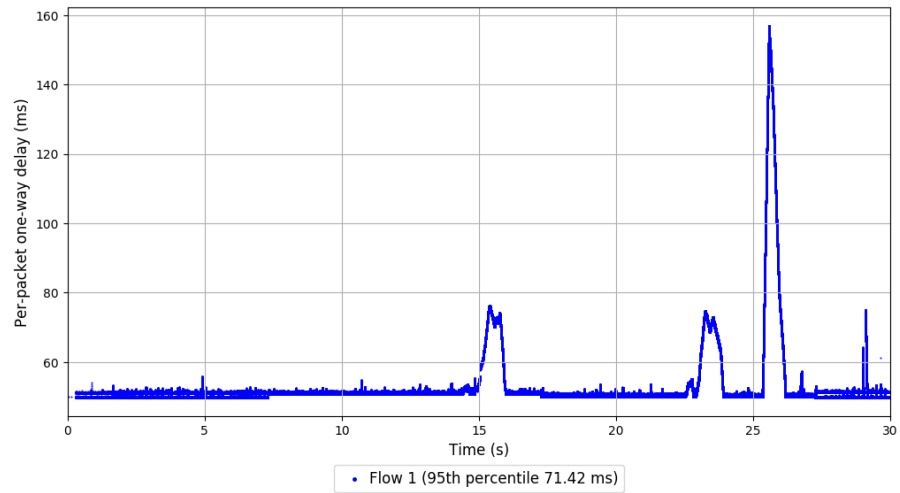
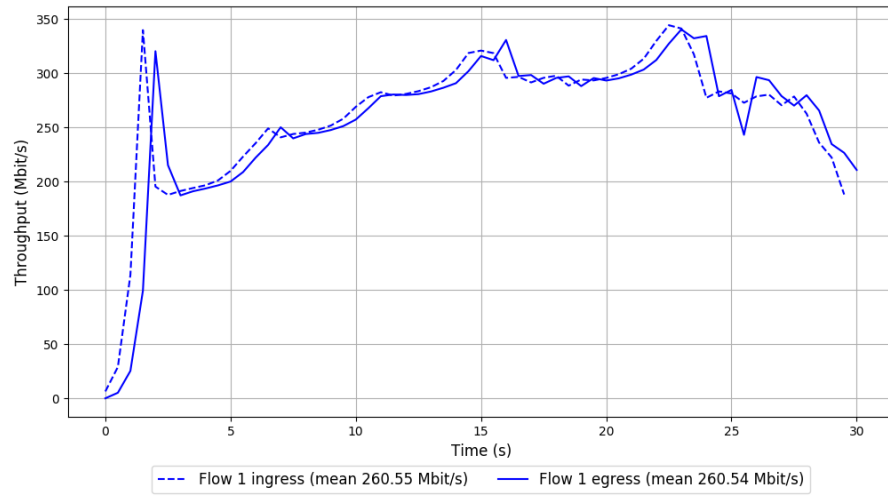


Run 8: Statistics of PCC-Expr

Start at: 2018-06-01 07:38:47
End at: 2018-06-01 07:39:17
Local clock offset: -0.33 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-06-01 09:40:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 260.54 Mbit/s
95th percentile per-packet one-way delay: 71.420 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 260.54 Mbit/s
95th percentile per-packet one-way delay: 71.420 ms
Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link

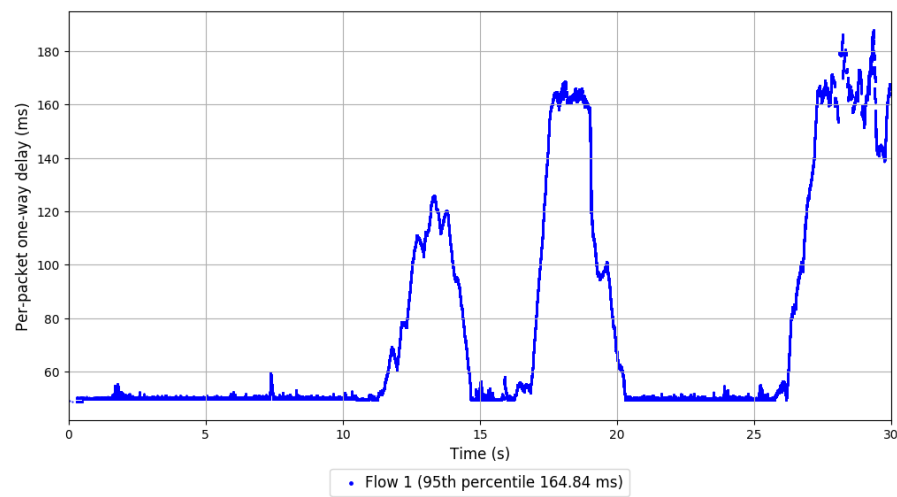
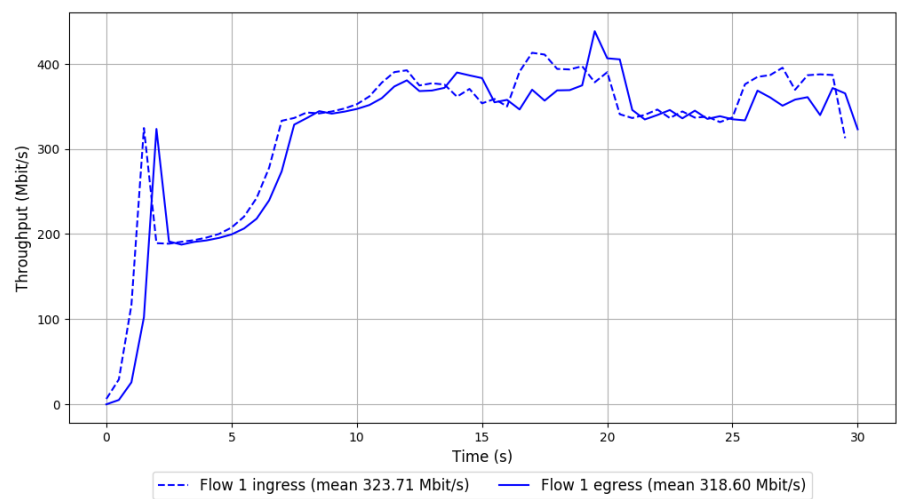


Run 9: Statistics of PCC-Expr

Start at: 2018-06-01 07:59:14
End at: 2018-06-01 07:59:44
Local clock offset: -0.019 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-06-01 09:41:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 318.60 Mbit/s
95th percentile per-packet one-way delay: 164.837 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 318.60 Mbit/s
95th percentile per-packet one-way delay: 164.837 ms
Loss rate: 1.57%

Run 9: Report of PCC-Expr — Data Link

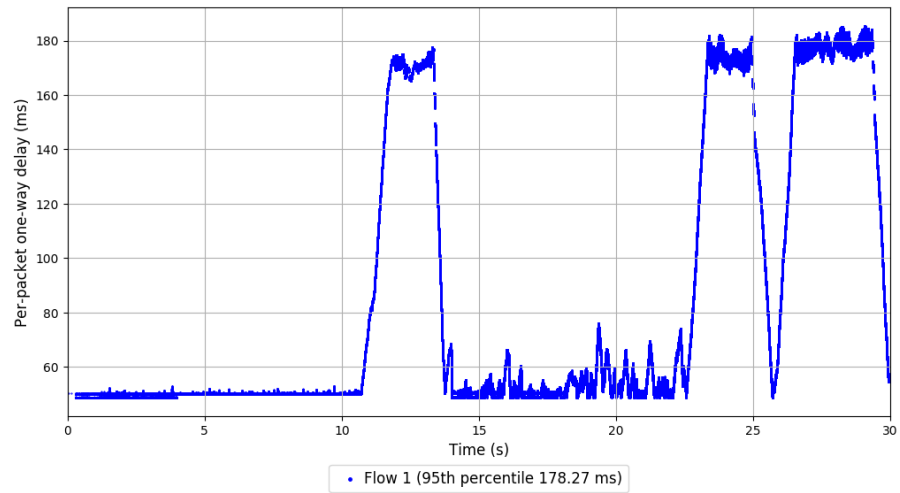
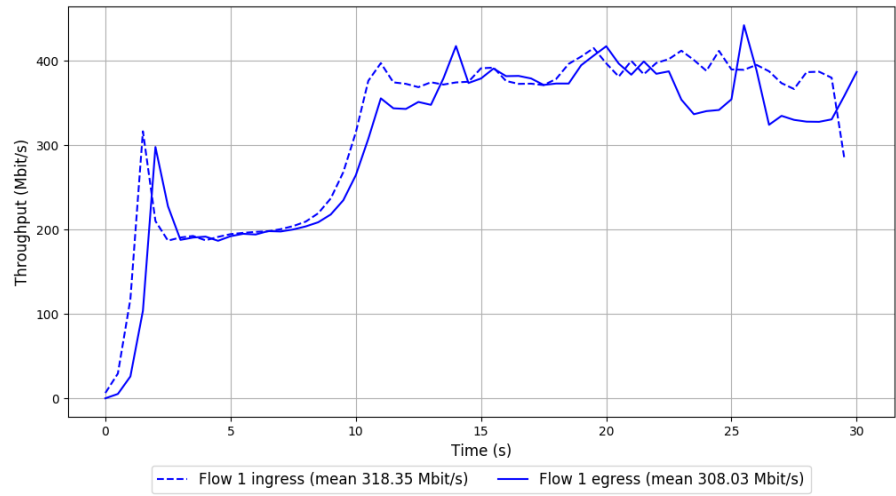


Run 10: Statistics of PCC-Expr

Start at: 2018-06-01 08:20:00
End at: 2018-06-01 08:20:30
Local clock offset: -0.011 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-06-01 09:41:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 308.03 Mbit/s
95th percentile per-packet one-way delay: 178.272 ms
Loss rate: 3.25%
-- Flow 1:
Average throughput: 308.03 Mbit/s
95th percentile per-packet one-way delay: 178.272 ms
Loss rate: 3.25%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-06-01 05:16:19

End at: 2018-06-01 05:16:49

Local clock offset: 0.072 ms

Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-06-01 09:41:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.10 Mbit/s

95th percentile per-packet one-way delay: 50.205 ms

Loss rate: 0.00%

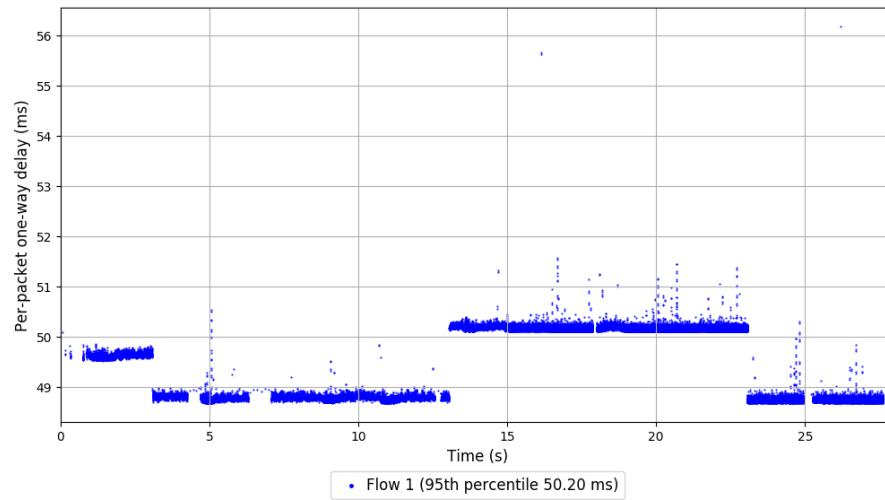
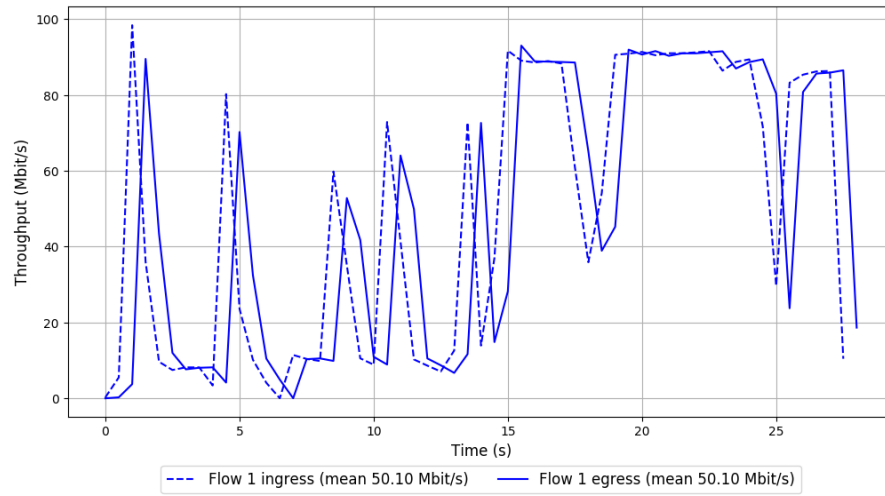
-- Flow 1:

Average throughput: 50.10 Mbit/s

95th percentile per-packet one-way delay: 50.205 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-06-01 05:36:40

End at: 2018-06-01 05:37:10

Local clock offset: 0.049 ms

Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-06-01 09:41:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.80 Mbit/s

95th percentile per-packet one-way delay: 50.602 ms

Loss rate: 0.00%

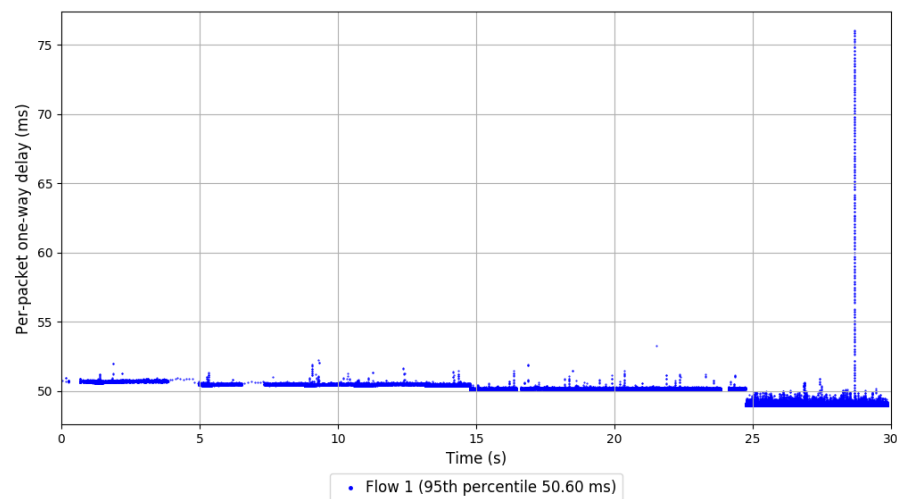
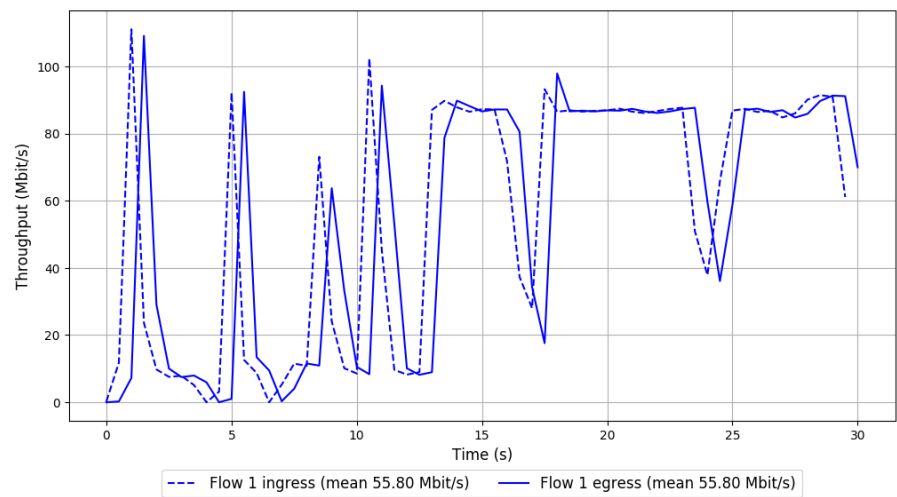
-- Flow 1:

Average throughput: 55.80 Mbit/s

95th percentile per-packet one-way delay: 50.602 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-06-01 05:57:20

End at: 2018-06-01 05:57:50

Local clock offset: 0.079 ms

Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-06-01 09:41:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.20 Mbit/s

95th percentile per-packet one-way delay: 50.069 ms

Loss rate: 0.00%

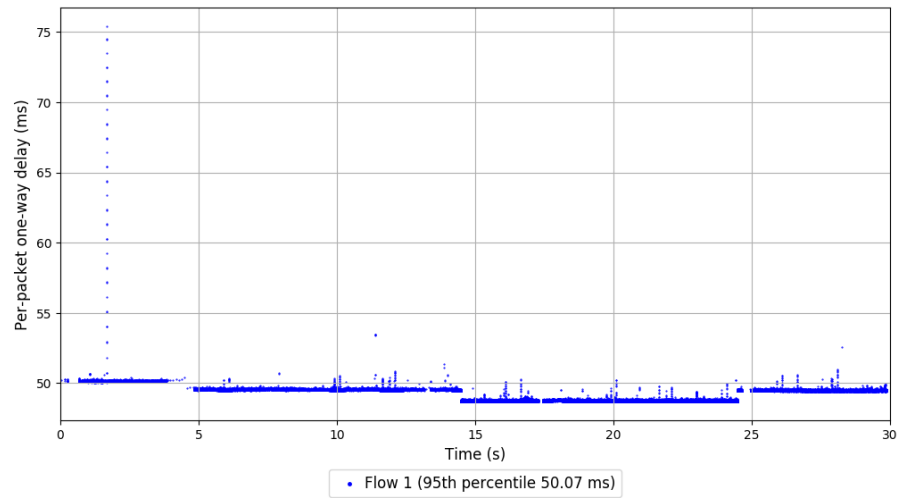
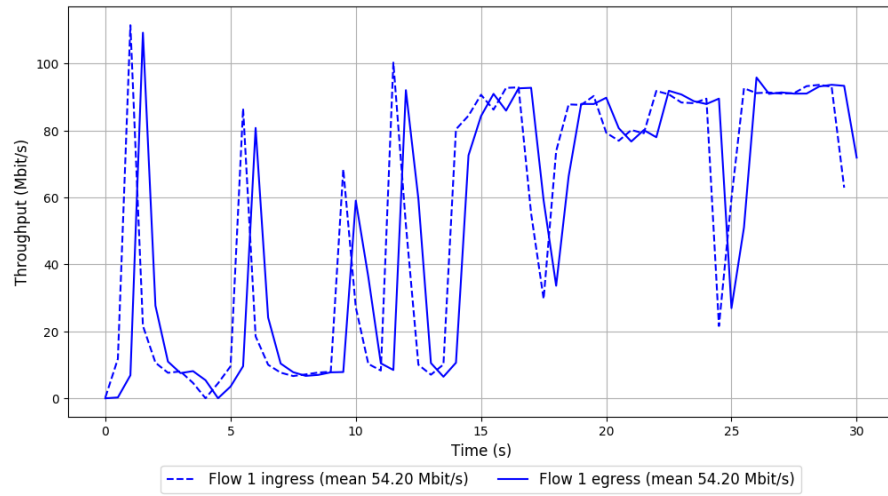
-- Flow 1:

Average throughput: 54.20 Mbit/s

95th percentile per-packet one-way delay: 50.069 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-06-01 06:18:00

End at: 2018-06-01 06:18:30

Local clock offset: 0.128 ms

Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-06-01 09:41:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.55 Mbit/s

95th percentile per-packet one-way delay: 50.360 ms

Loss rate: 0.00%

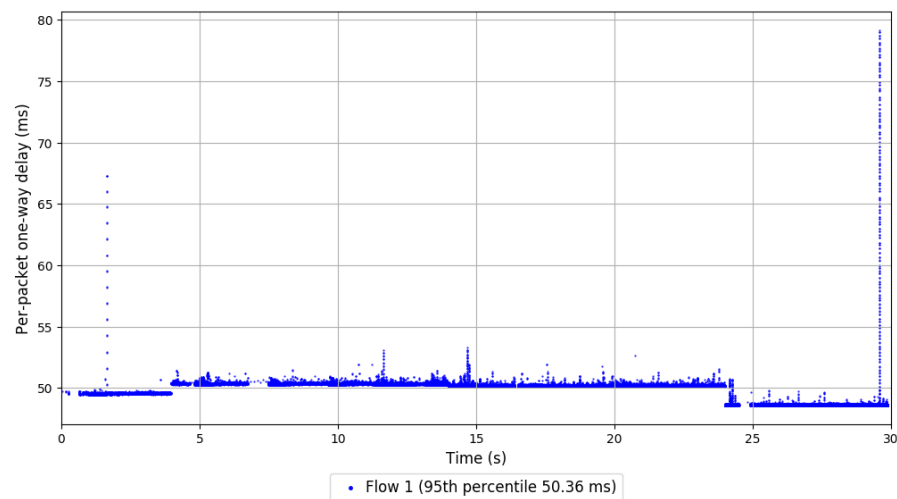
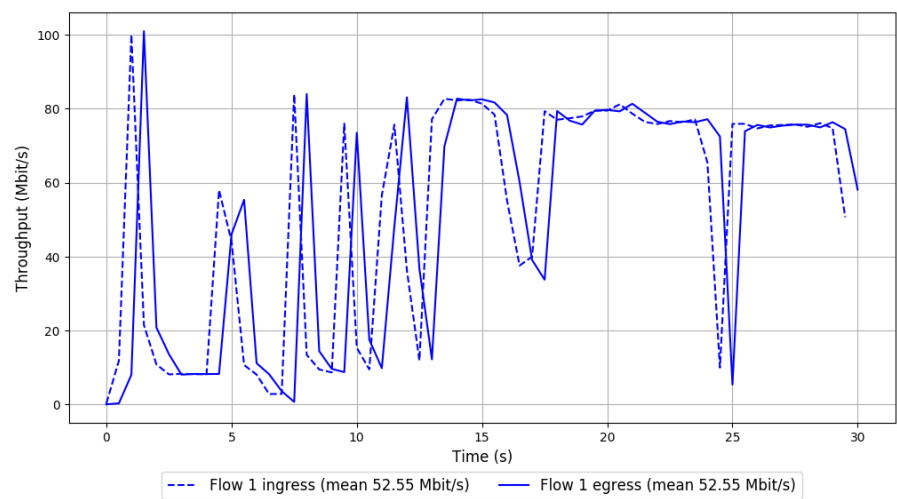
-- Flow 1:

Average throughput: 52.55 Mbit/s

95th percentile per-packet one-way delay: 50.360 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-06-01 06:38:34

End at: 2018-06-01 06:39:04

Local clock offset: 0.403 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-06-01 09:41:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.79 Mbit/s

95th percentile per-packet one-way delay: 50.187 ms

Loss rate: 0.00%

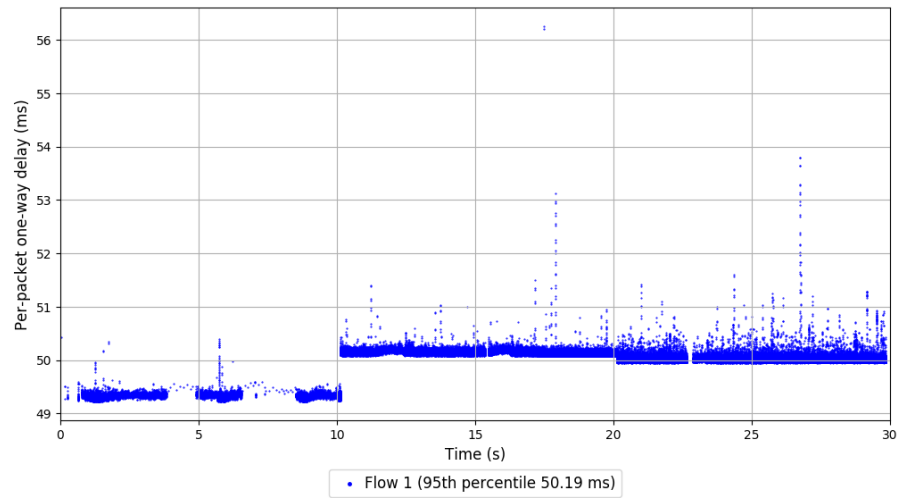
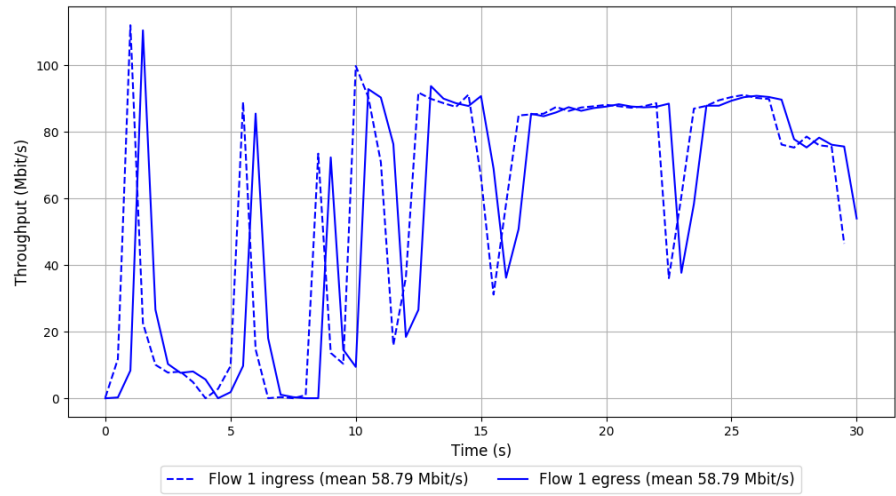
-- Flow 1:

Average throughput: 58.79 Mbit/s

95th percentile per-packet one-way delay: 50.187 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-06-01 06:59:16

End at: 2018-06-01 06:59:46

Local clock offset: 0.442 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-06-01 09:41:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.86 Mbit/s

95th percentile per-packet one-way delay: 50.140 ms

Loss rate: 0.00%

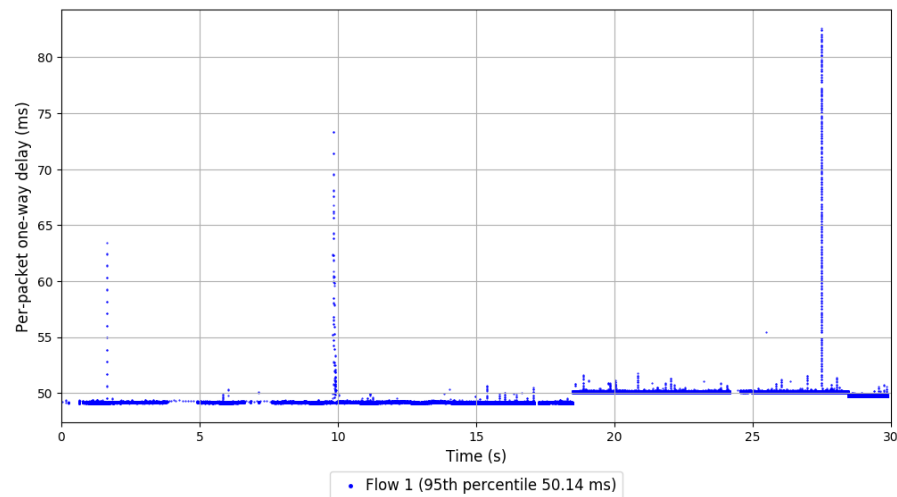
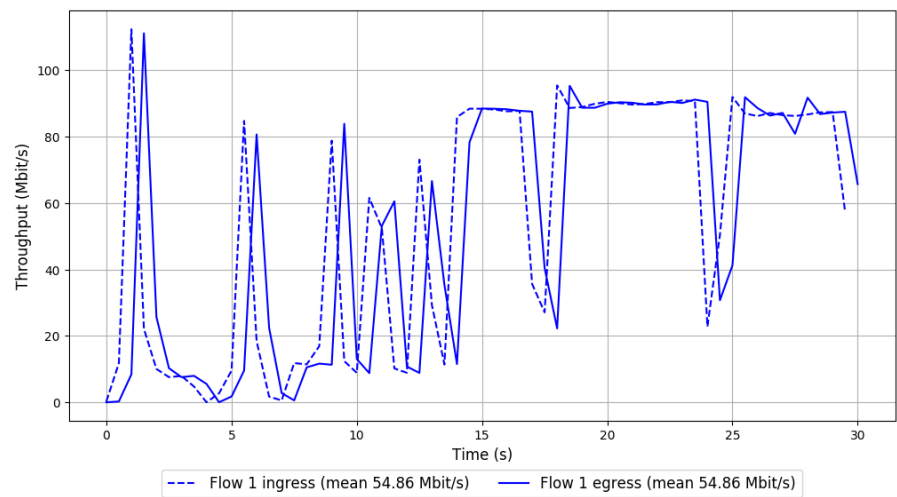
-- Flow 1:

Average throughput: 54.86 Mbit/s

95th percentile per-packet one-way delay: 50.140 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

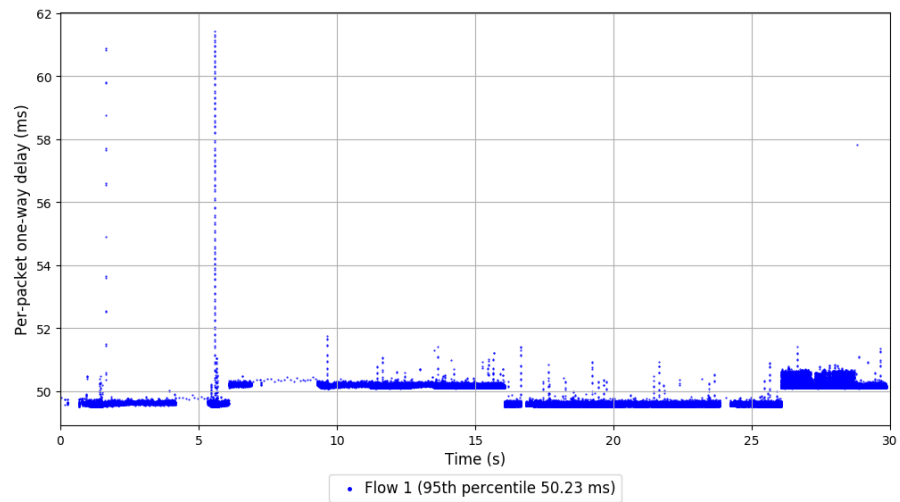
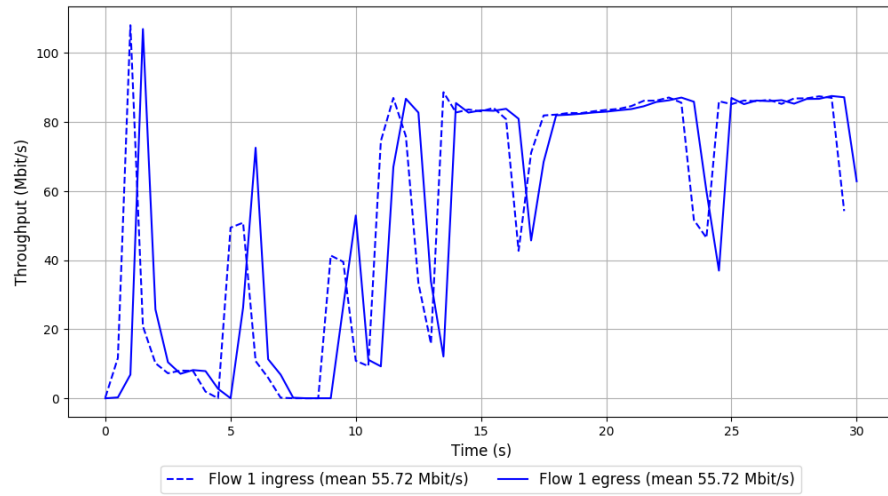


Run 7: Statistics of QUIC Cubic

Start at: 2018-06-01 07:19:48
End at: 2018-06-01 07:20:18
Local clock offset: -0.001 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-06-01 09:41:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.72 Mbit/s
95th percentile per-packet one-way delay: 50.226 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.72 Mbit/s
95th percentile per-packet one-way delay: 50.226 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-06-01 07:40:14

End at: 2018-06-01 07:40:44

Local clock offset: 0.371 ms

Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-06-01 09:41:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.57 Mbit/s

95th percentile per-packet one-way delay: 49.785 ms

Loss rate: 0.00%

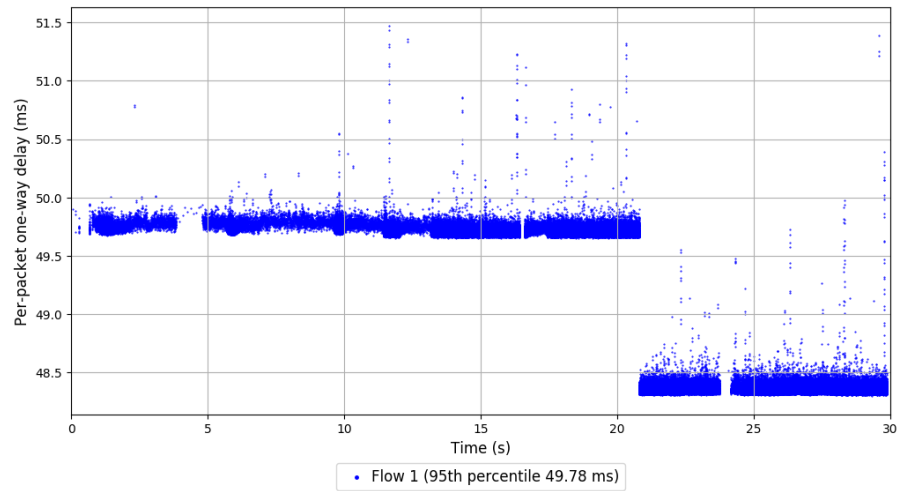
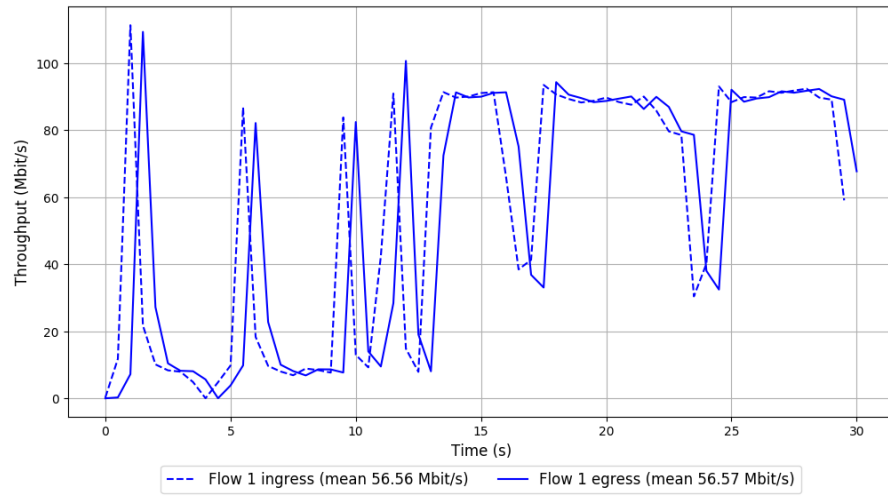
-- Flow 1:

Average throughput: 56.57 Mbit/s

95th percentile per-packet one-way delay: 49.785 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

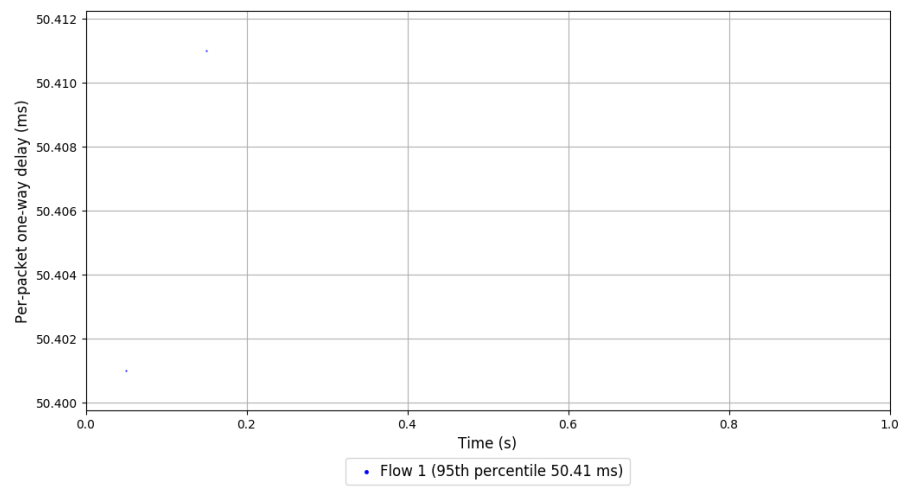
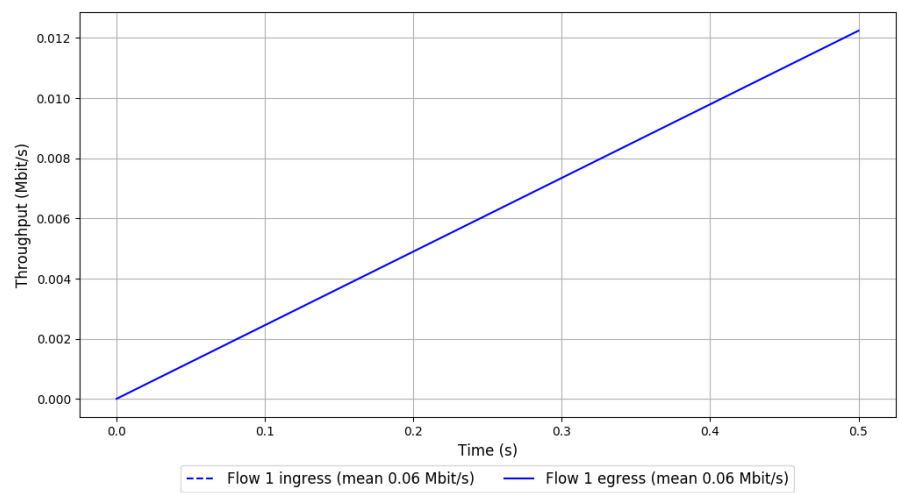
Start at: 2018-06-01 08:00:46

End at: 2018-06-01 08:01:16

Local clock offset: 0.001 ms

Remote clock offset: -0.05 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-06-01 08:21:28

End at: 2018-06-01 08:21:58

Local clock offset: -0.427 ms

Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-06-01 09:41:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.32 Mbit/s

95th percentile per-packet one-way delay: 50.620 ms

Loss rate: 0.00%

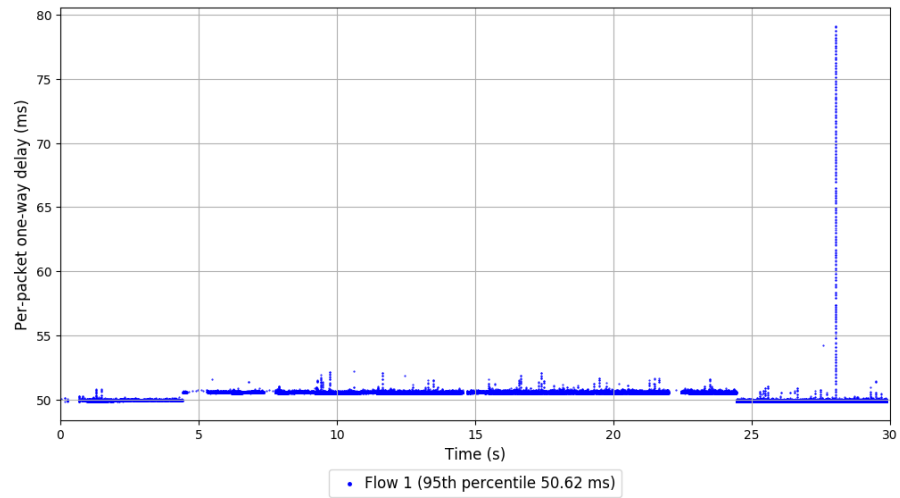
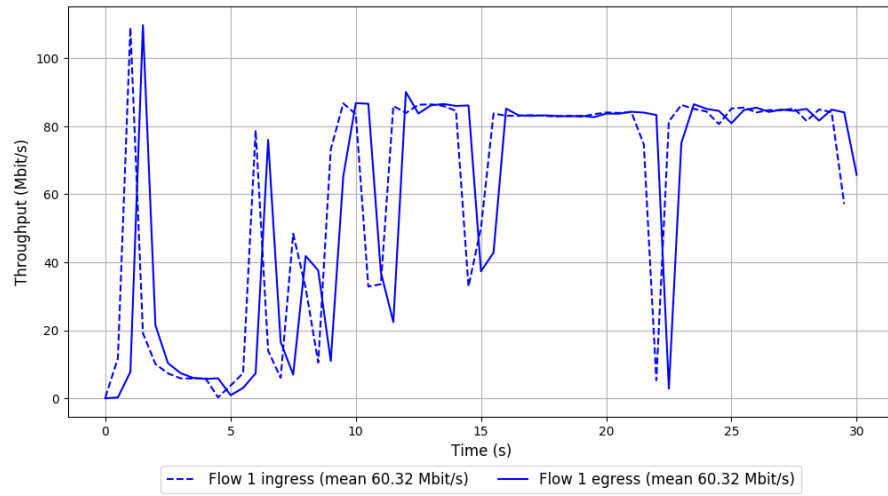
-- Flow 1:

Average throughput: 60.32 Mbit/s

95th percentile per-packet one-way delay: 50.620 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

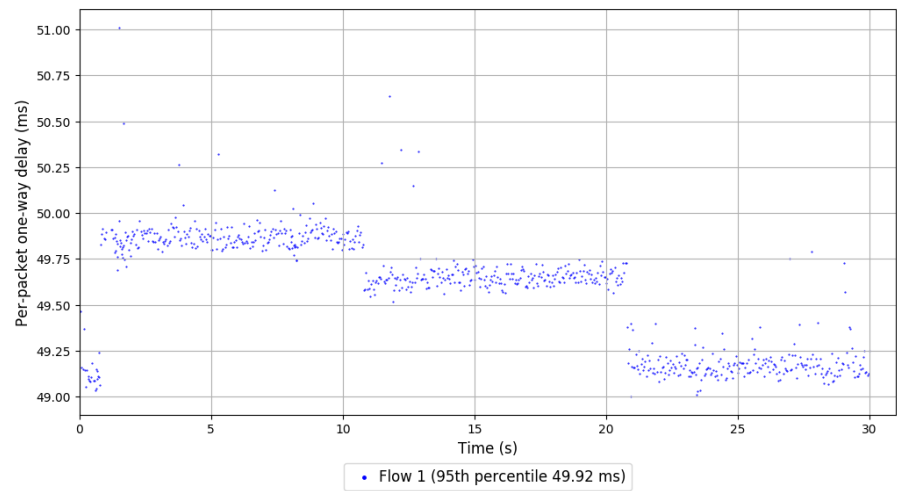
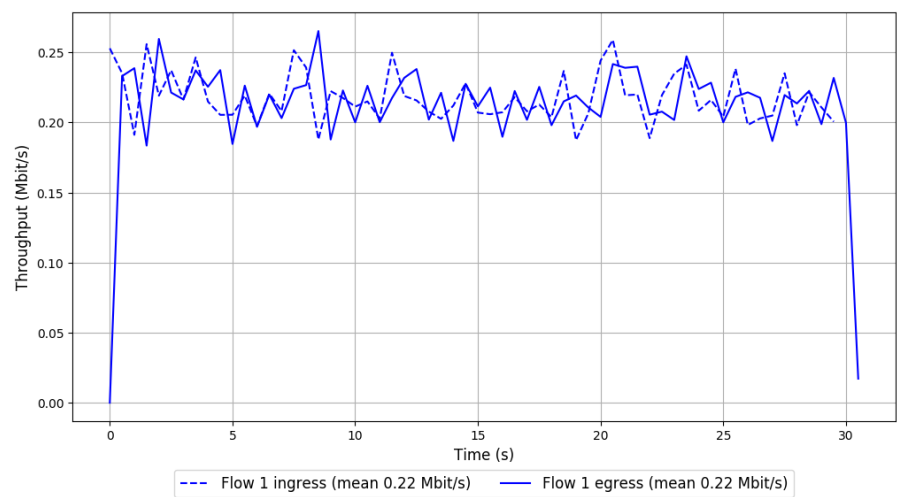


```
Run 1: Statistics of SCReAM

Start at: 2018-06-01 05:08:52
End at: 2018-06-01 05:09:22
Local clock offset: 0.003 ms
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2018-06-01 09:41:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.918 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.918 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

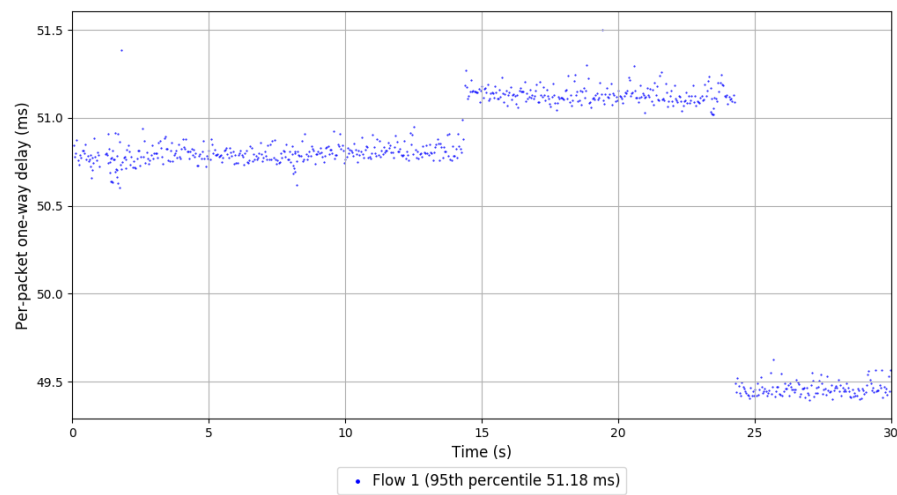
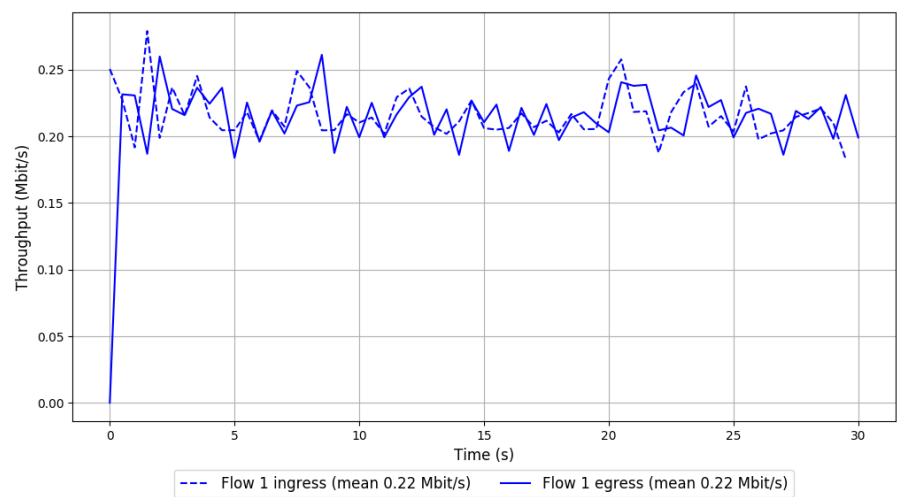


Run 2: Statistics of SCReAM

Start at: 2018-06-01 05:29:20
End at: 2018-06-01 05:29:50
Local clock offset: -0.399 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-06-01 09:41:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.176 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.176 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

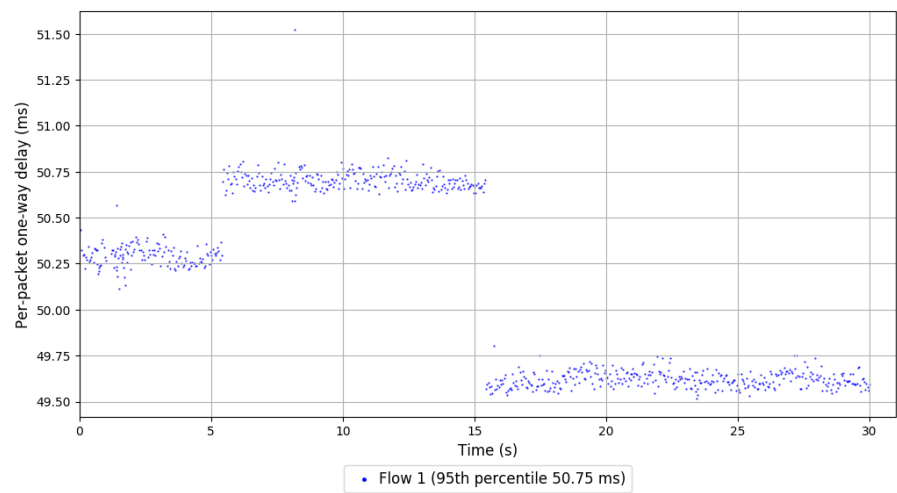
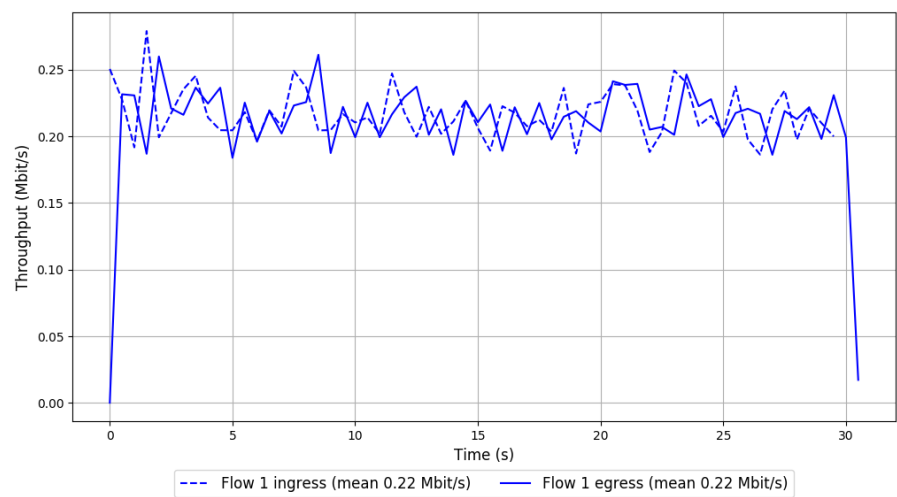


Run 3: Statistics of SCReAM

Start at: 2018-06-01 05:49:49
End at: 2018-06-01 05:50:19
Local clock offset: 0.097 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-06-01 09:41:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.750 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.750 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

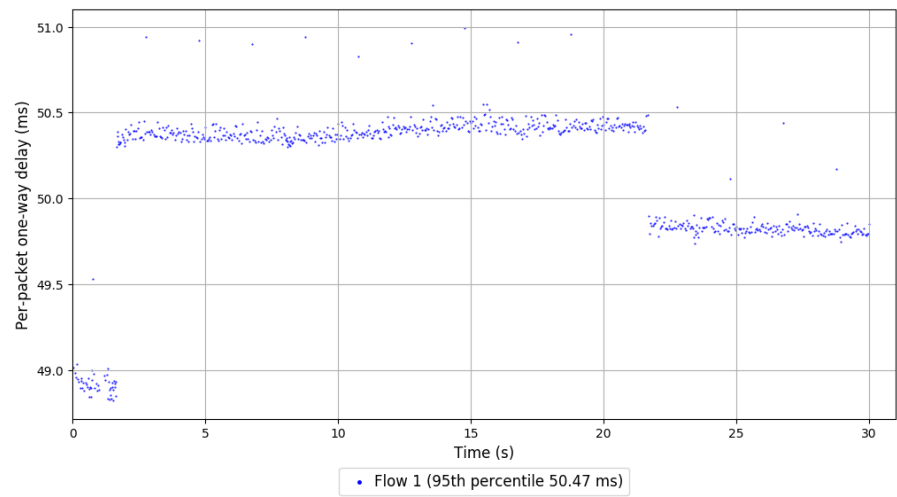
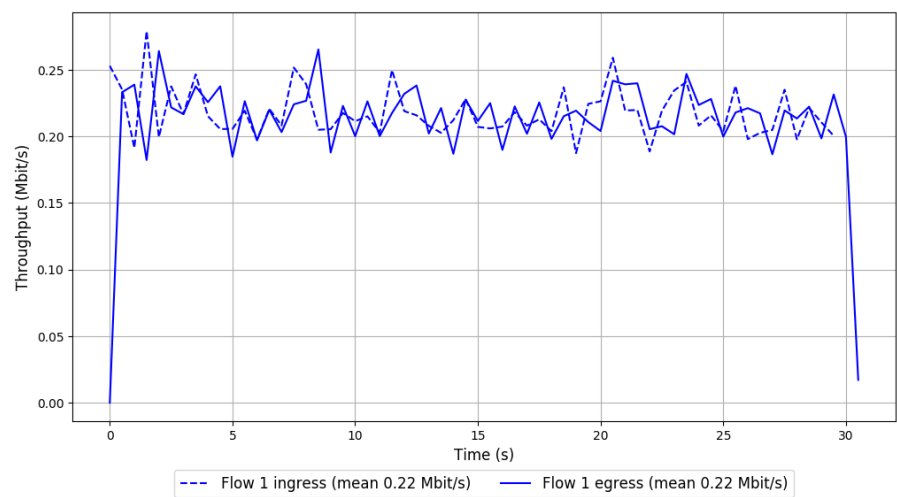


Run 4: Statistics of SCReAM

Start at: 2018-06-01 06:10:31
End at: 2018-06-01 06:11:01
Local clock offset: 0.111 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-06-01 09:41:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.468 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.468 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-06-01 06:31:18

End at: 2018-06-01 06:31:48

Local clock offset: 0.054 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2018-06-01 09:41:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.070 ms

Loss rate: 0.00%

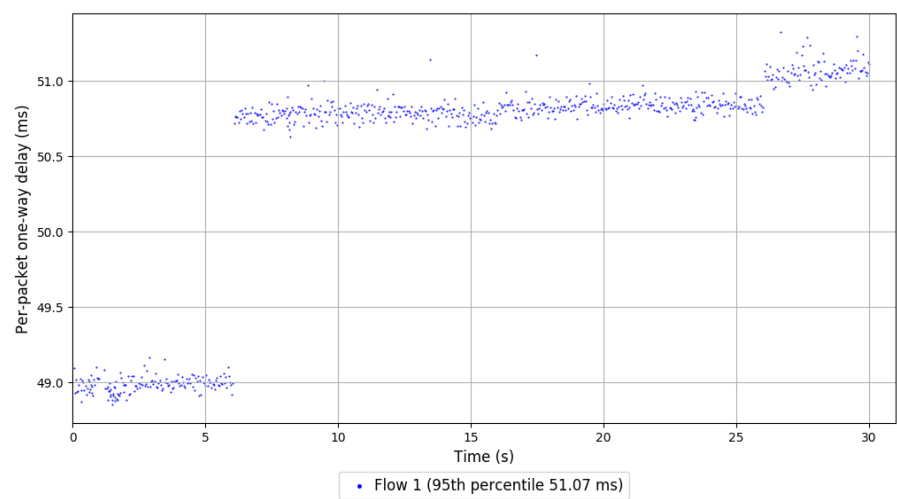
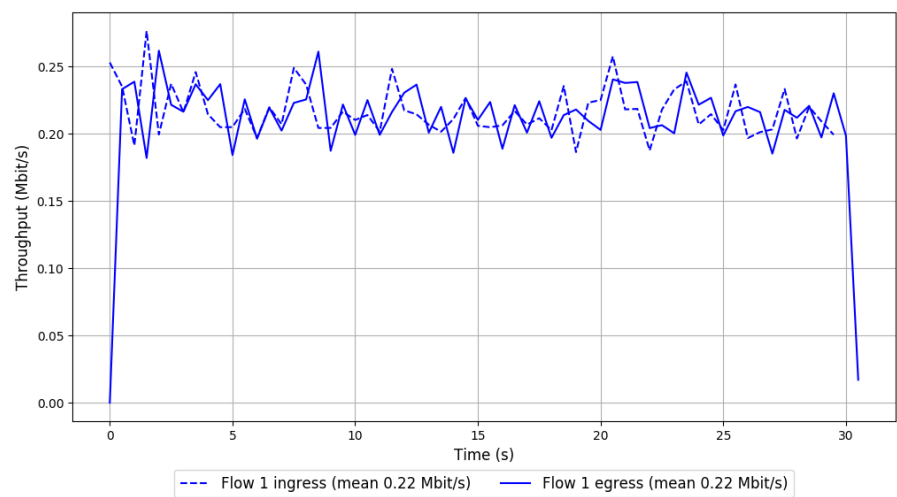
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.070 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-06-01 06:51:47

End at: 2018-06-01 06:52:17

Local clock offset: -0.372 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-06-01 09:41:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.017 ms

Loss rate: 0.00%

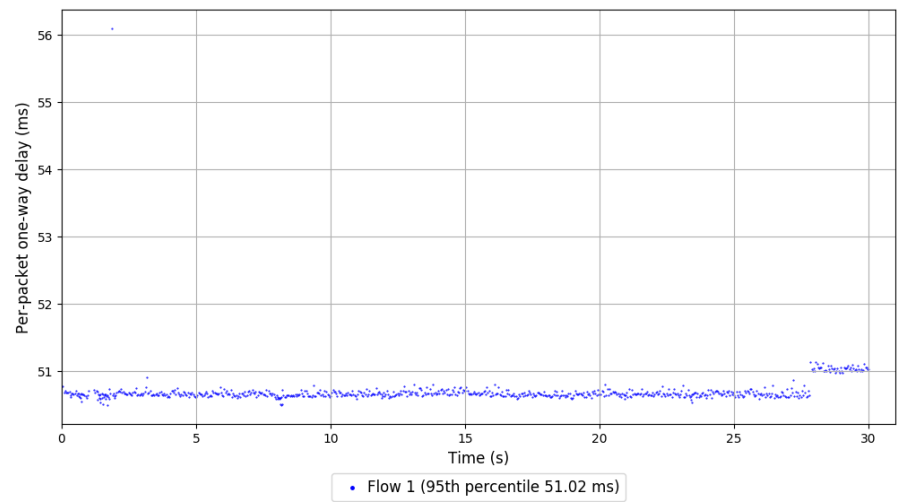
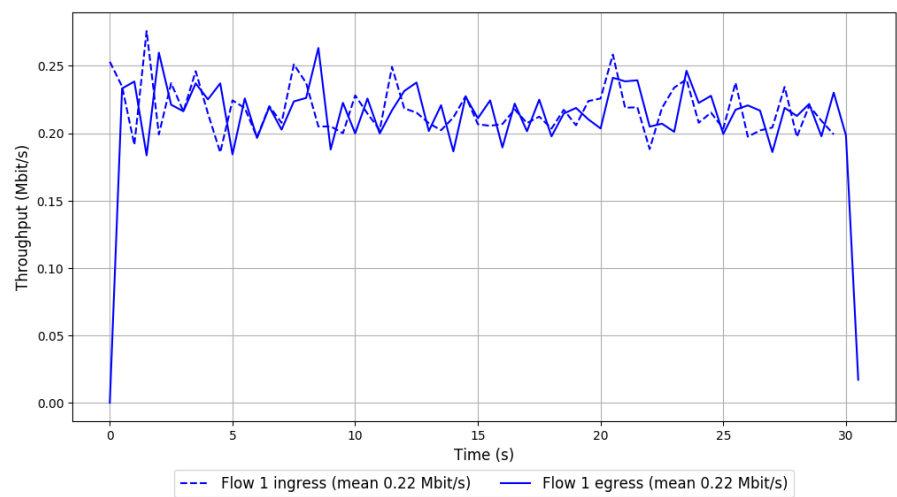
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.017 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-06-01 07:12:34

End at: 2018-06-01 07:13:04

Local clock offset: 0.052 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-06-01 09:41:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

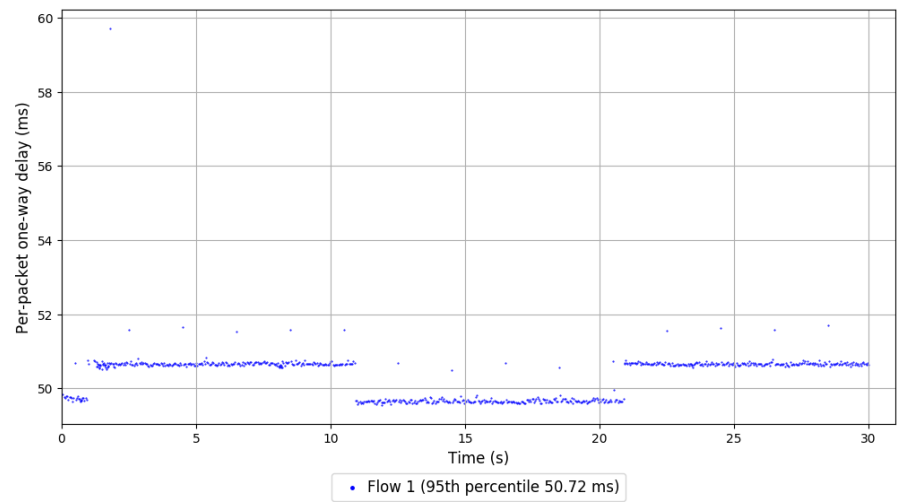
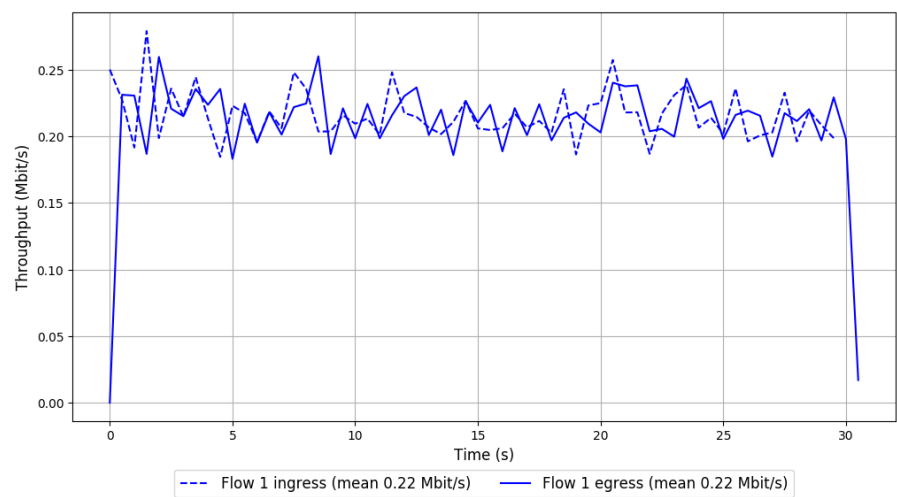
-- Flow 1:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

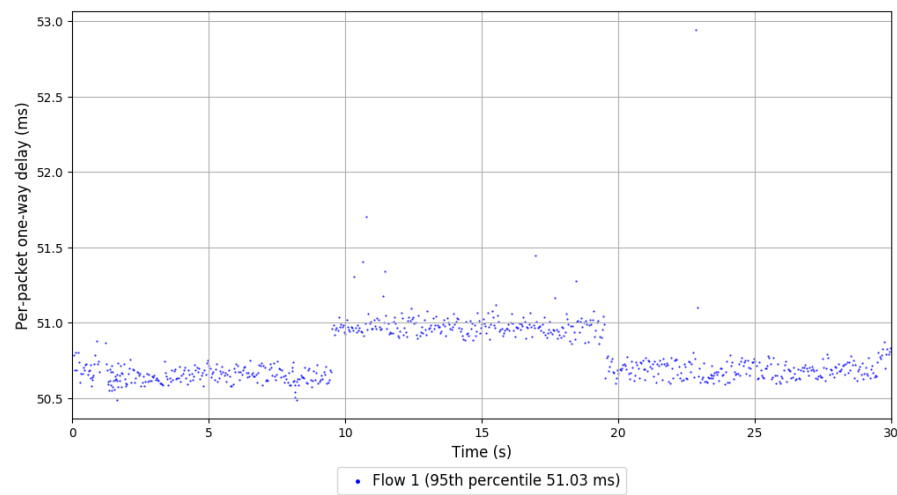
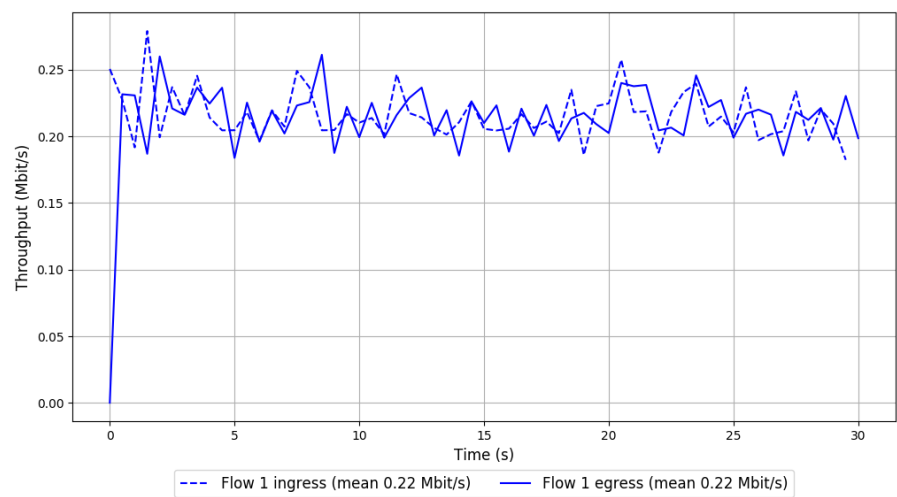


Run 8: Statistics of SCReAM

Start at: 2018-06-01 07:32:55
End at: 2018-06-01 07:33:25
Local clock offset: -0.339 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-06-01 09:41:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.029 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.029 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

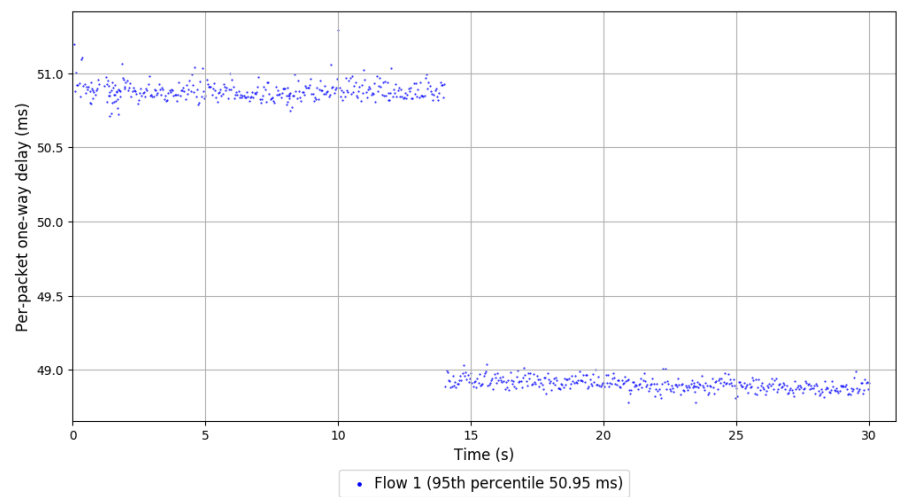
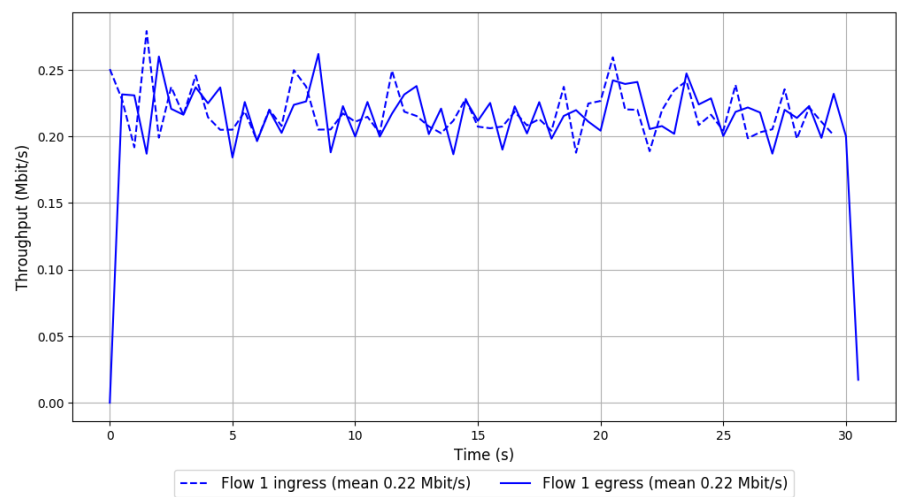


Run 9: Statistics of SCReAM

Start at: 2018-06-01 07:53:20
End at: 2018-06-01 07:53:51
Local clock offset: 0.004 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-06-01 09:41:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.947 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.947 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

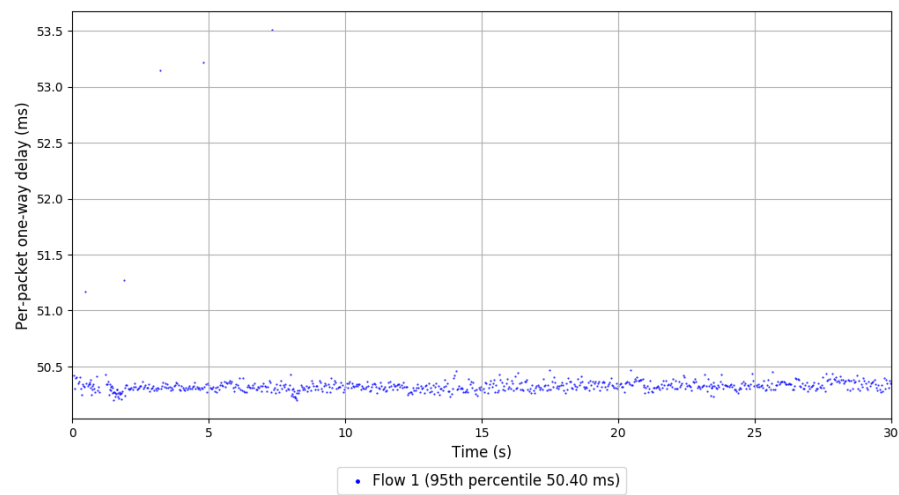
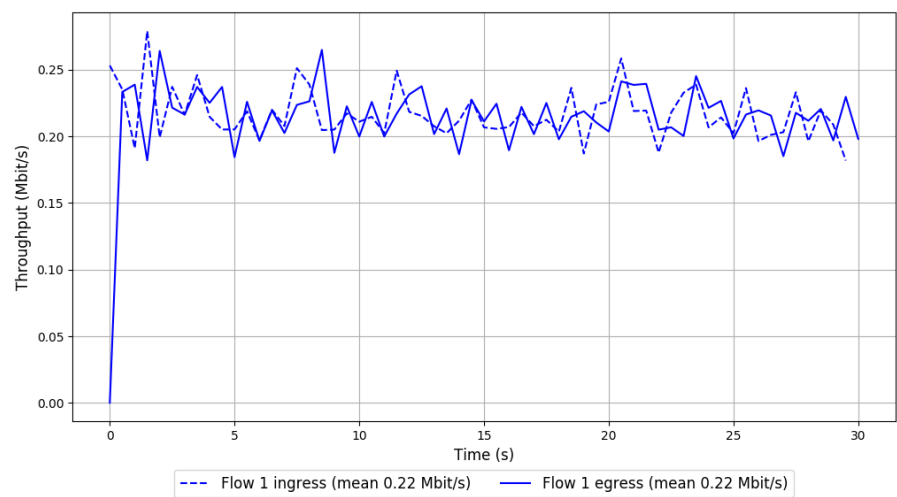


Run 10: Statistics of SReAM

Start at: 2018-06-01 08:14:03
End at: 2018-06-01 08:14:33
Local clock offset: -0.03 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-06-01 09:41:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.398 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.398 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

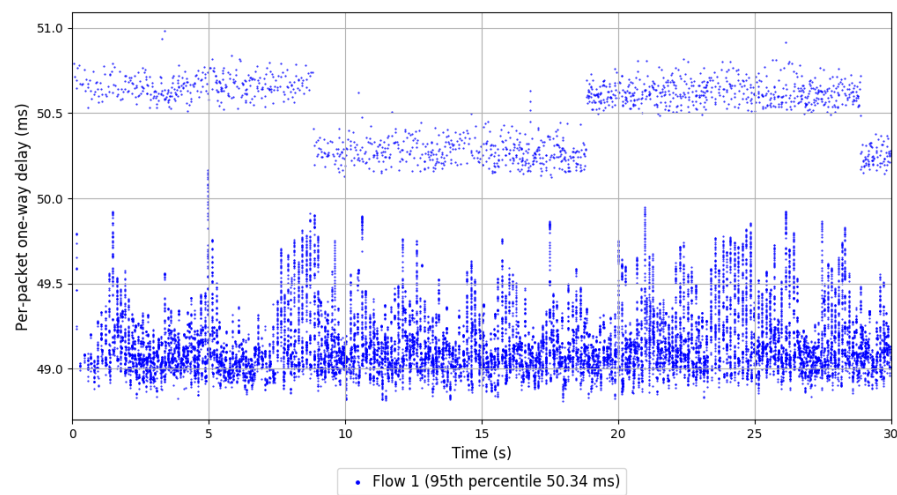
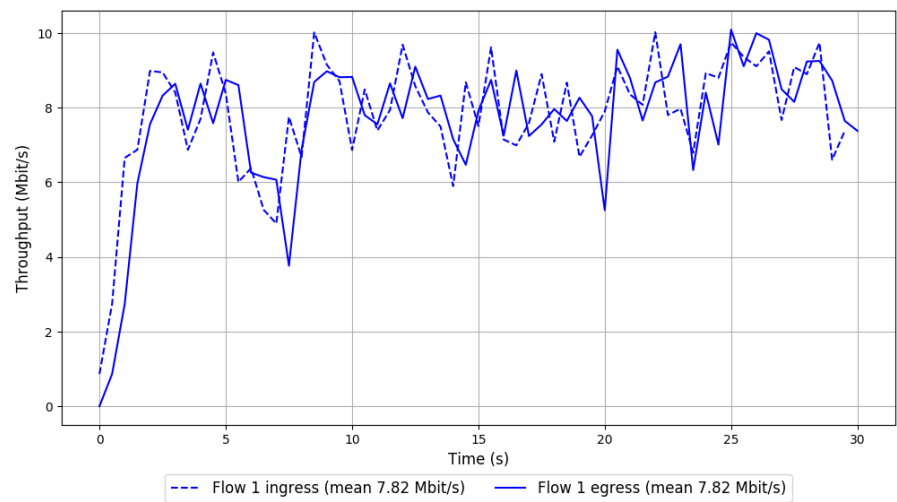


Run 1: Statistics of Sprout

Start at: 2018-06-01 05:13:46
End at: 2018-06-01 05:14:16
Local clock offset: 0.021 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-06-01 09:41:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.82 Mbit/s
95th percentile per-packet one-way delay: 50.345 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.82 Mbit/s
95th percentile per-packet one-way delay: 50.345 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-06-01 05:34:09

End at: 2018-06-01 05:34:39

Local clock offset: 0.09 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-06-01 09:41:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.18 Mbit/s

95th percentile per-packet one-way delay: 51.341 ms

Loss rate: 0.00%

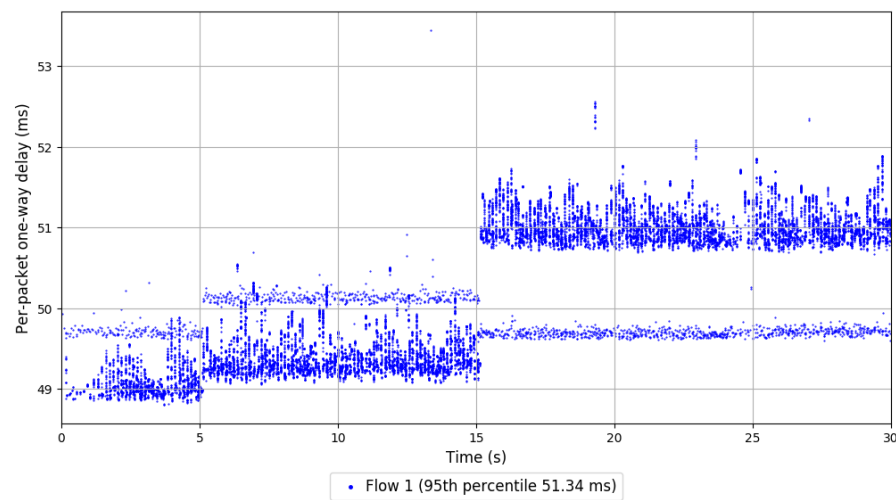
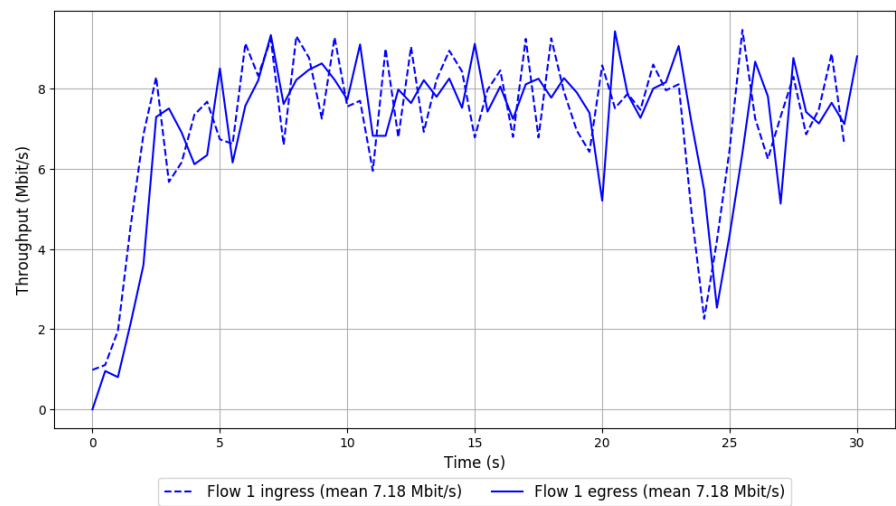
-- Flow 1:

Average throughput: 7.18 Mbit/s

95th percentile per-packet one-way delay: 51.341 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

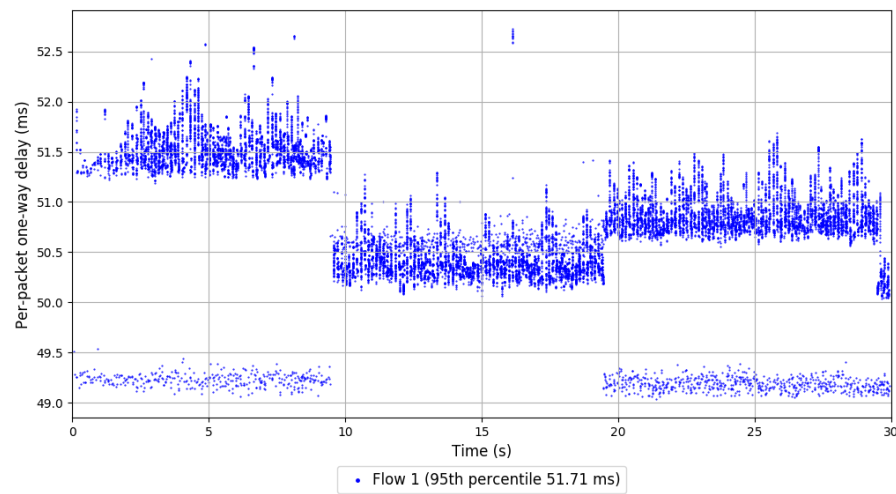
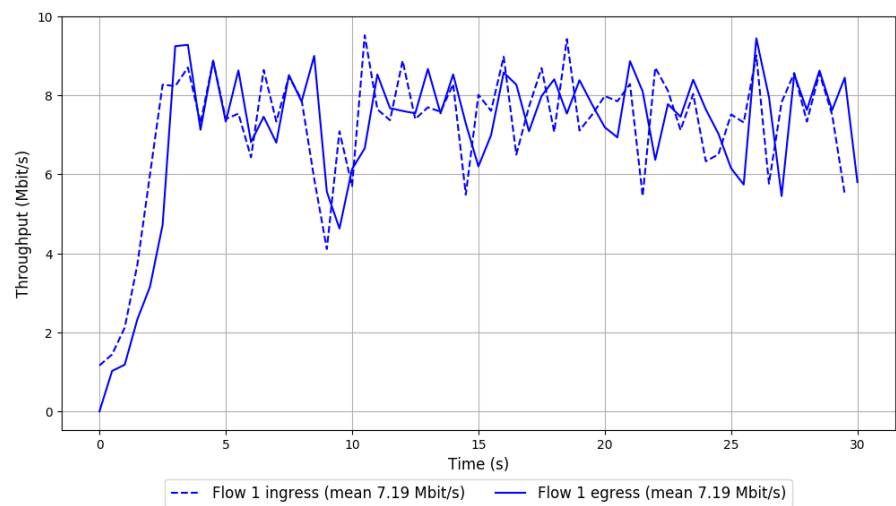


Run 3: Statistics of Sprout

Start at: 2018-06-01 05:54:45
End at: 2018-06-01 05:55:15
Local clock offset: -0.314 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-06-01 09:41:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.19 Mbit/s
95th percentile per-packet one-way delay: 51.711 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.19 Mbit/s
95th percentile per-packet one-way delay: 51.711 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

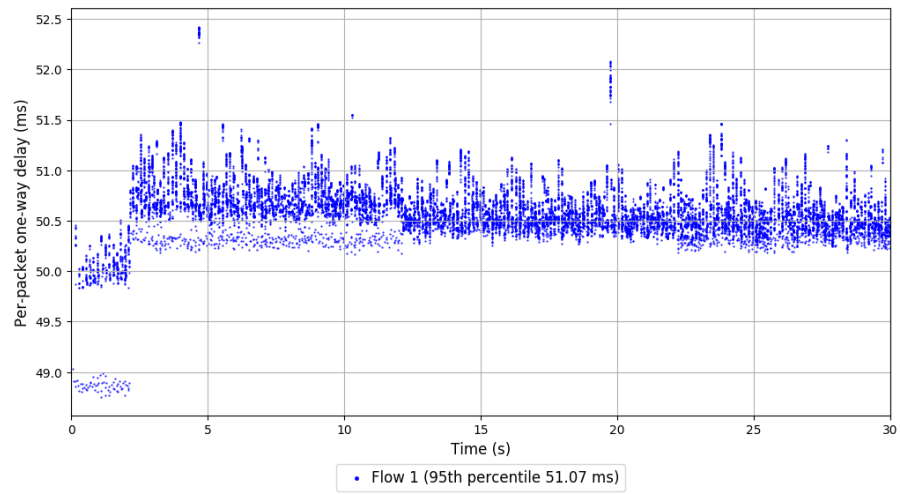
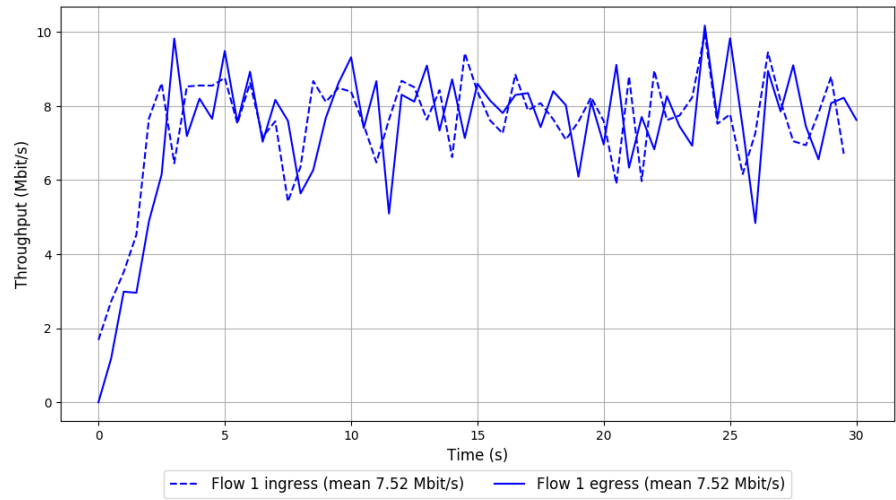


Run 4: Statistics of Sprout

Start at: 2018-06-01 06:15:22
End at: 2018-06-01 06:15:52
Local clock offset: 0.113 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-06-01 09:41:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.52 Mbit/s
95th percentile per-packet one-way delay: 51.070 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.52 Mbit/s
95th percentile per-packet one-way delay: 51.070 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-06-01 06:36:08

End at: 2018-06-01 06:36:38

Local clock offset: 0.046 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-06-01 09:41:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.31 Mbit/s

95th percentile per-packet one-way delay: 50.997 ms

Loss rate: 0.00%

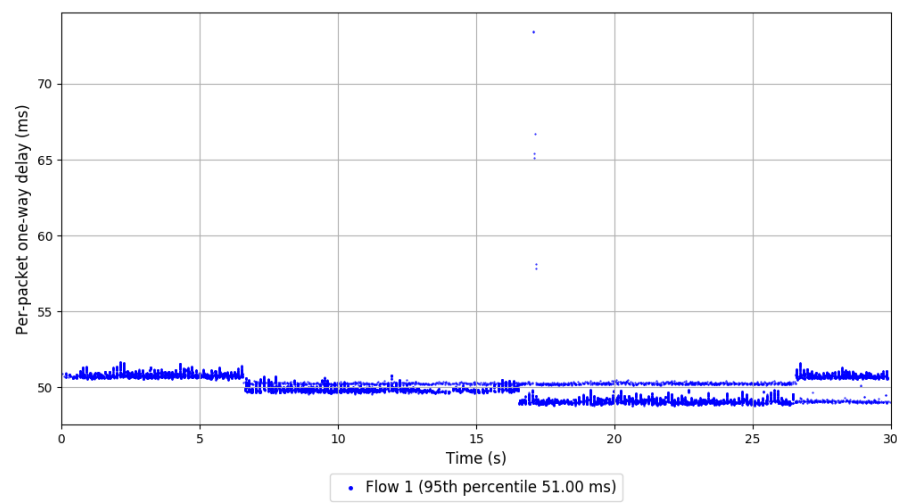
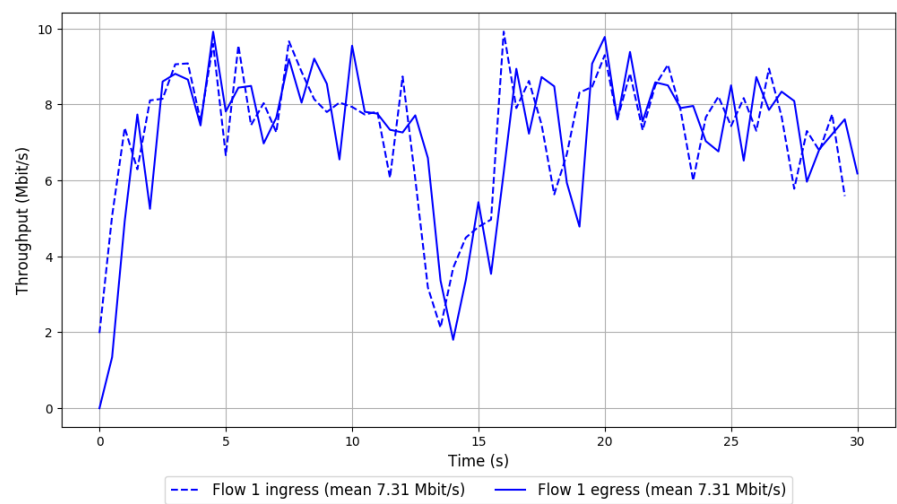
-- Flow 1:

Average throughput: 7.31 Mbit/s

95th percentile per-packet one-way delay: 50.997 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

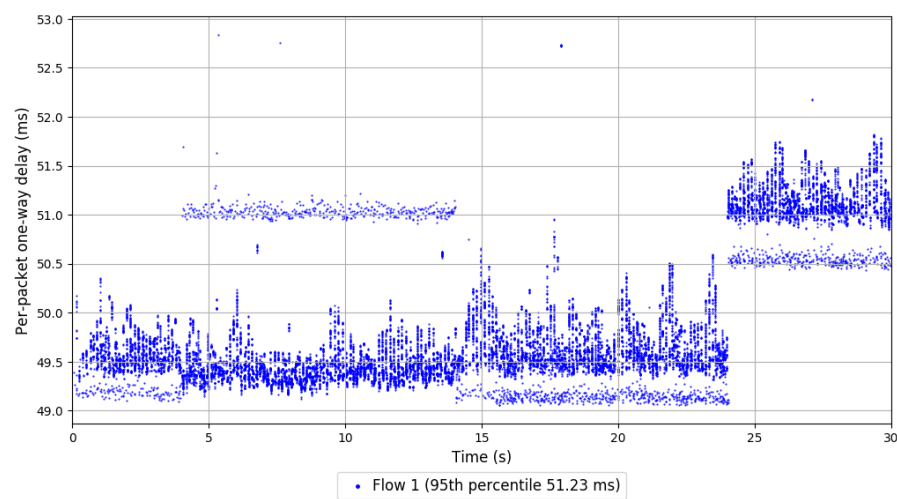
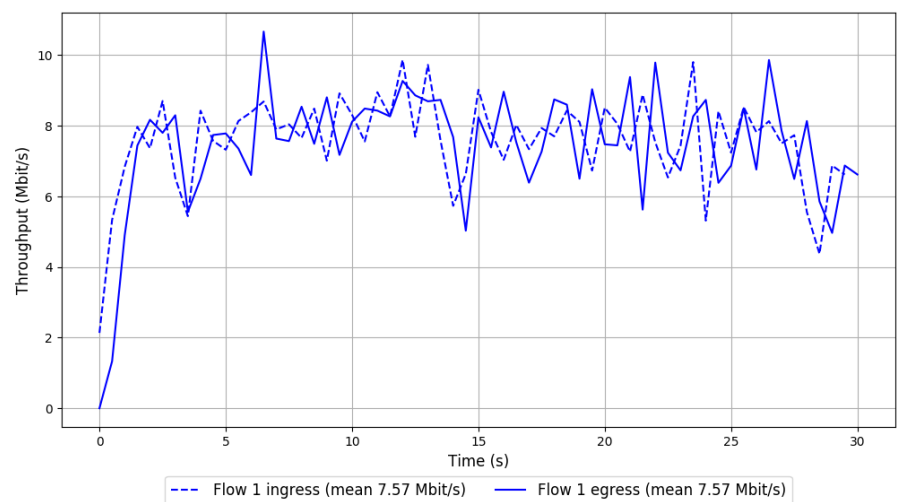


Run 6: Statistics of Sprout

Start at: 2018-06-01 06:56:40
End at: 2018-06-01 06:57:10
Local clock offset: -0.349 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-06-01 09:41:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.57 Mbit/s
95th percentile per-packet one-way delay: 51.230 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.57 Mbit/s
95th percentile per-packet one-way delay: 51.230 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-06-01 07:17:18

End at: 2018-06-01 07:17:48

Local clock offset: 0.383 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-06-01 09:41:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.12 Mbit/s

95th percentile per-packet one-way delay: 50.710 ms

Loss rate: 0.00%

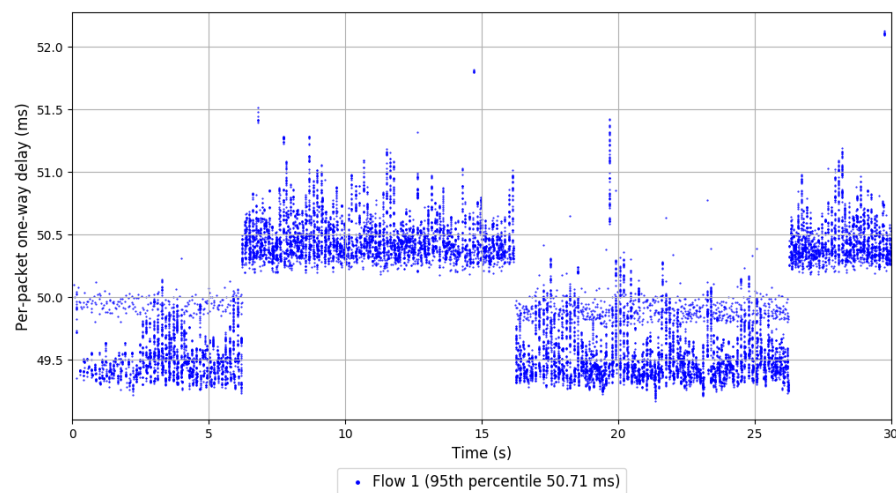
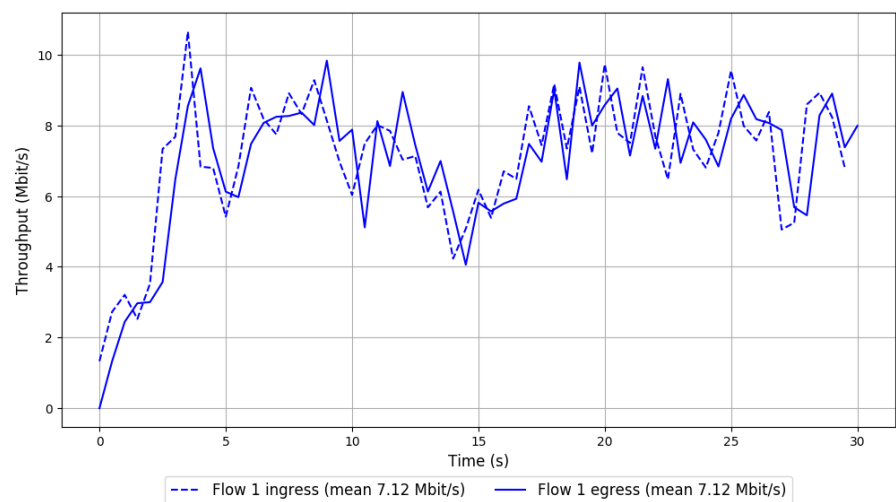
-- Flow 1:

Average throughput: 7.12 Mbit/s

95th percentile per-packet one-way delay: 50.710 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

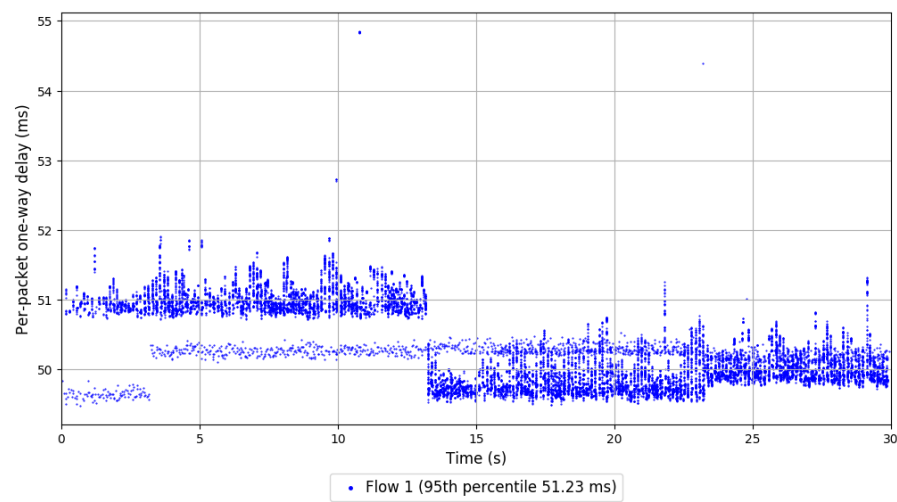
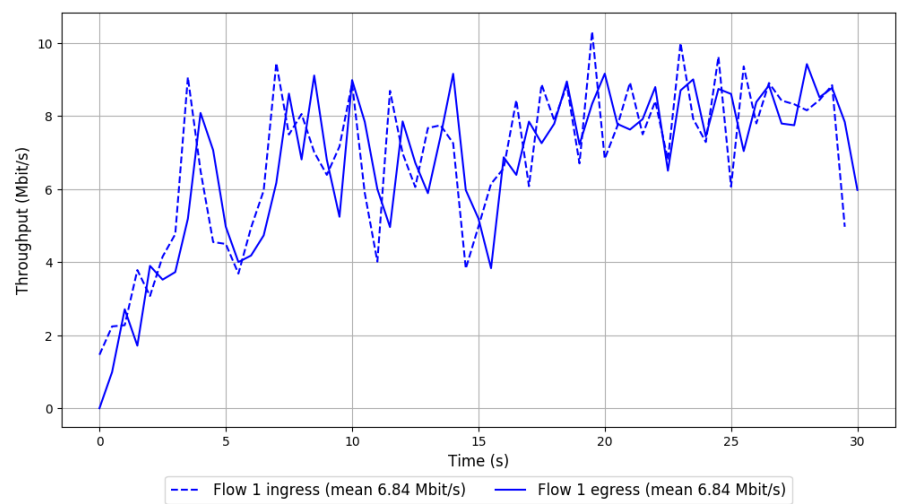


Run 8: Statistics of Sprout

Start at: 2018-06-01 07:37:41
End at: 2018-06-01 07:38:11
Local clock offset: 0.043 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-06-01 09:41:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.84 Mbit/s
95th percentile per-packet one-way delay: 51.227 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.84 Mbit/s
95th percentile per-packet one-way delay: 51.227 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

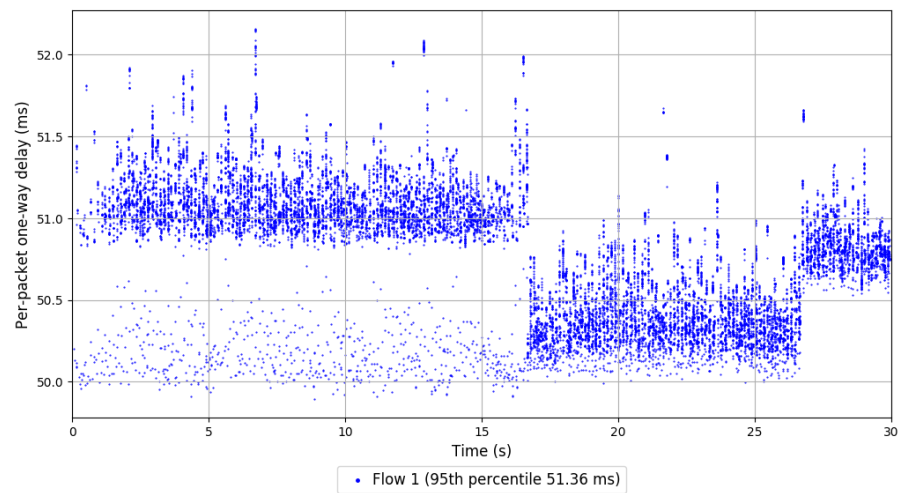
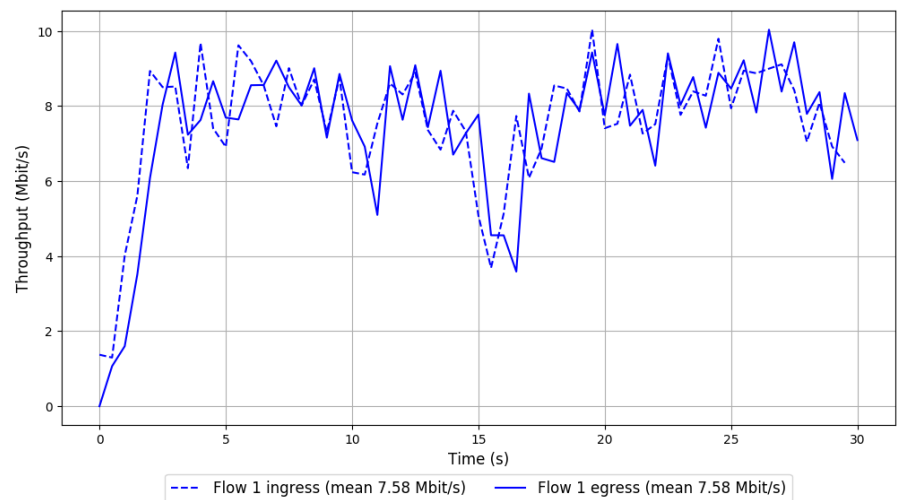


Run 9: Statistics of Sprout

Start at: 2018-06-01 07:58:08
End at: 2018-06-01 07:58:38
Local clock offset: -0.36 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-06-01 09:41:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.58 Mbit/s
95th percentile per-packet one-way delay: 51.360 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.58 Mbit/s
95th percentile per-packet one-way delay: 51.360 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-06-01 08:18:54

End at: 2018-06-01 08:19:25

Local clock offset: -0.001 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-06-01 09:41:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.57 Mbit/s

95th percentile per-packet one-way delay: 50.912 ms

Loss rate: 0.00%

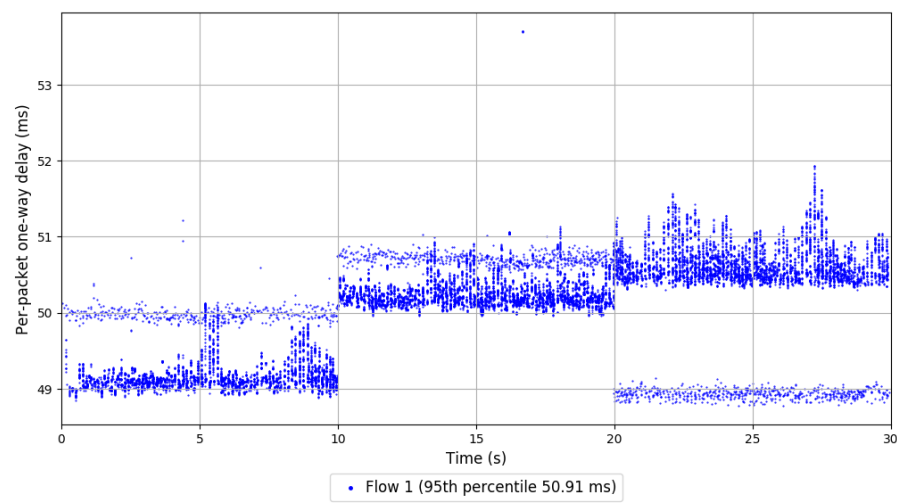
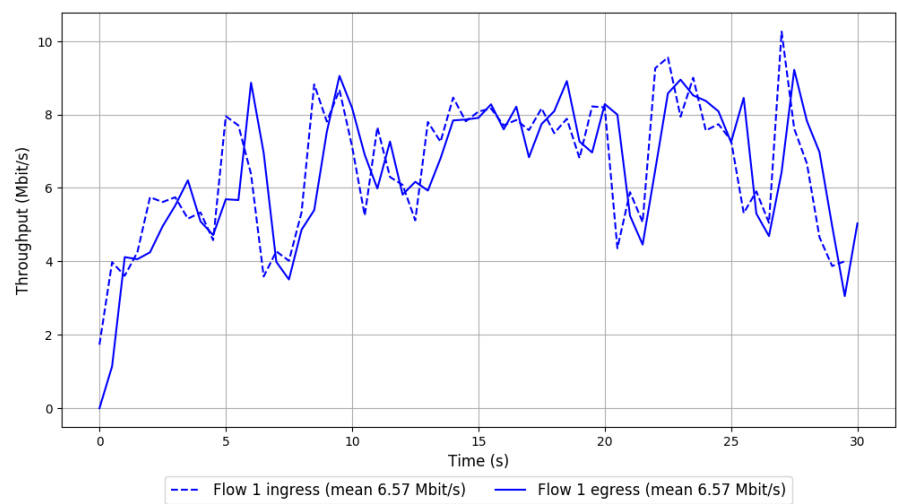
-- Flow 1:

Average throughput: 6.57 Mbit/s

95th percentile per-packet one-way delay: 50.912 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

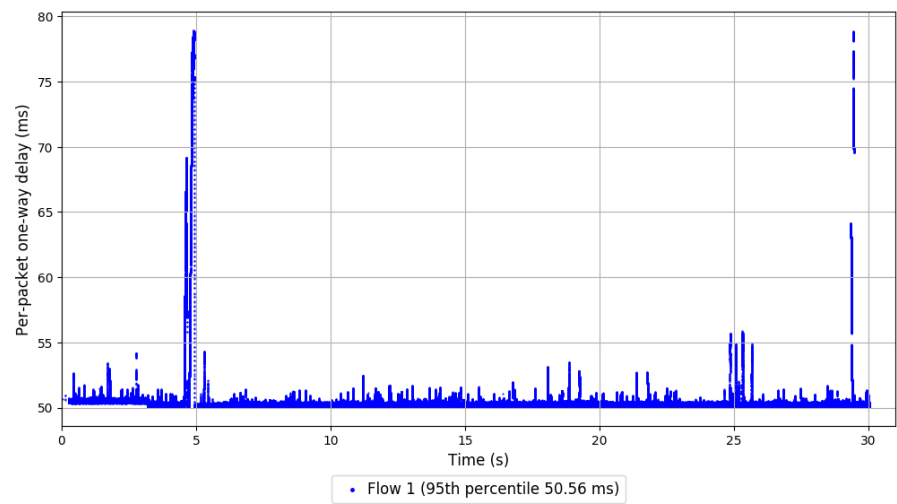
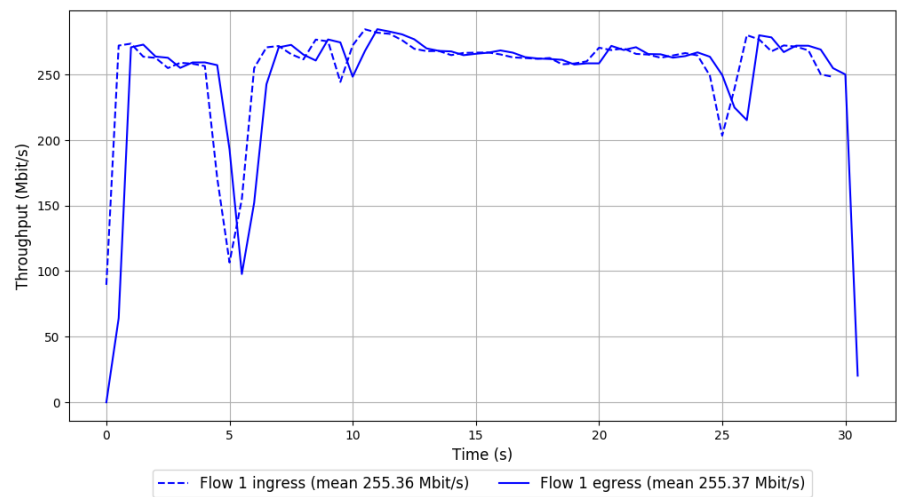


Run 1: Statistics of TaoVA-100x

Start at: 2018-06-01 04:59:01
End at: 2018-06-01 04:59:31
Local clock offset: -0.016 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-06-01 09:44:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 255.37 Mbit/s
95th percentile per-packet one-way delay: 50.558 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 255.37 Mbit/s
95th percentile per-packet one-way delay: 50.558 ms
Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-06-01 05:19:50

End at: 2018-06-01 05:20:20

Local clock offset: 0.031 ms

Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-06-01 09:44:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 184.07 Mbit/s

95th percentile per-packet one-way delay: 50.550 ms

Loss rate: 0.00%

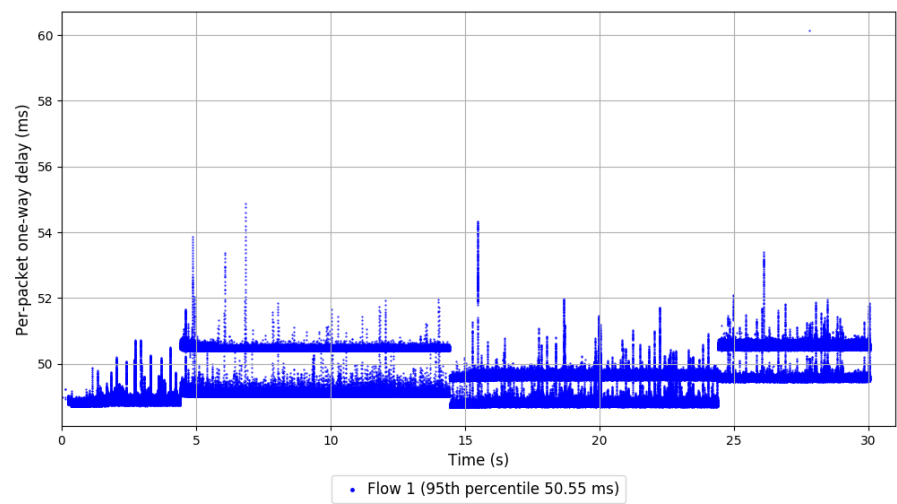
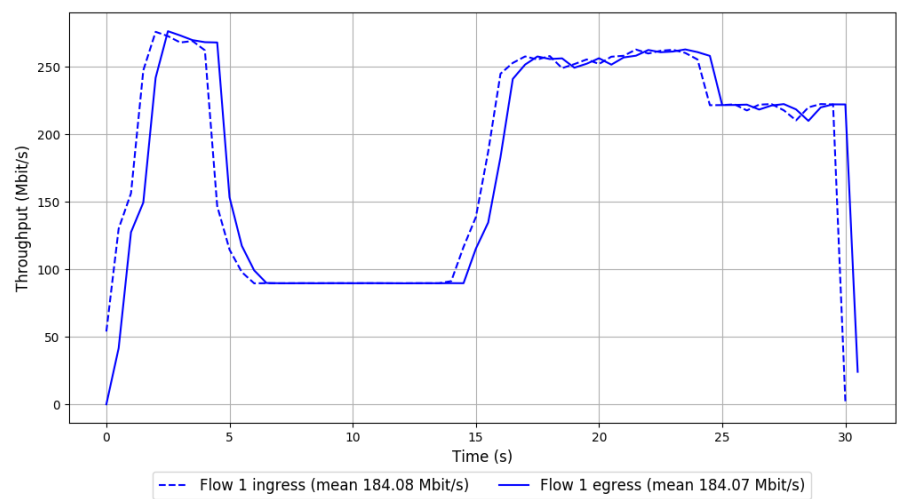
-- Flow 1:

Average throughput: 184.07 Mbit/s

95th percentile per-packet one-way delay: 50.550 ms

Loss rate: 0.00%

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

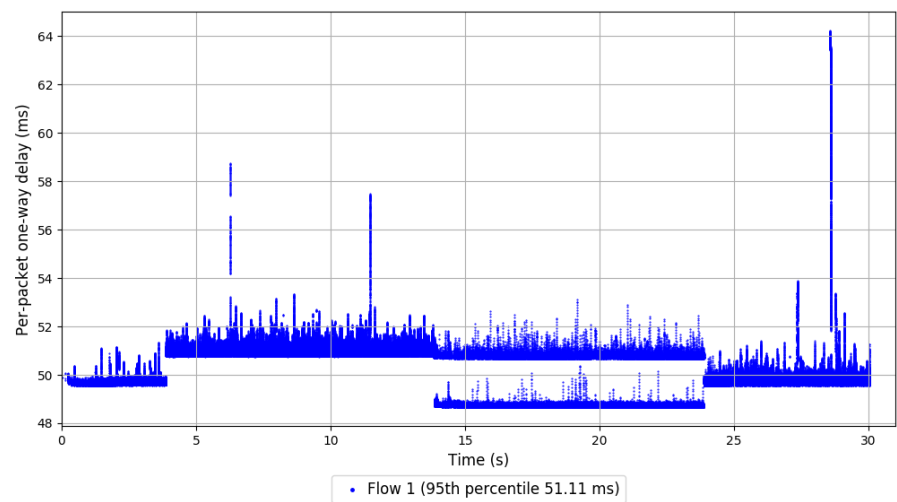
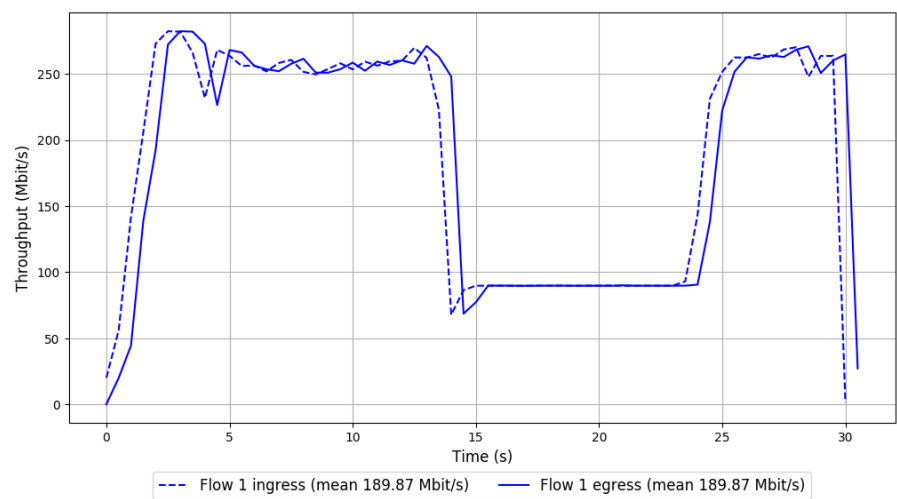


Run 3: Statistics of TaoVA-100x

Start at: 2018-06-01 05:40:11
End at: 2018-06-01 05:40:41
Local clock offset: 0.045 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-06-01 09:44:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 189.87 Mbit/s
95th percentile per-packet one-way delay: 51.108 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 189.87 Mbit/s
95th percentile per-packet one-way delay: 51.108 ms
Loss rate: 0.00%

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

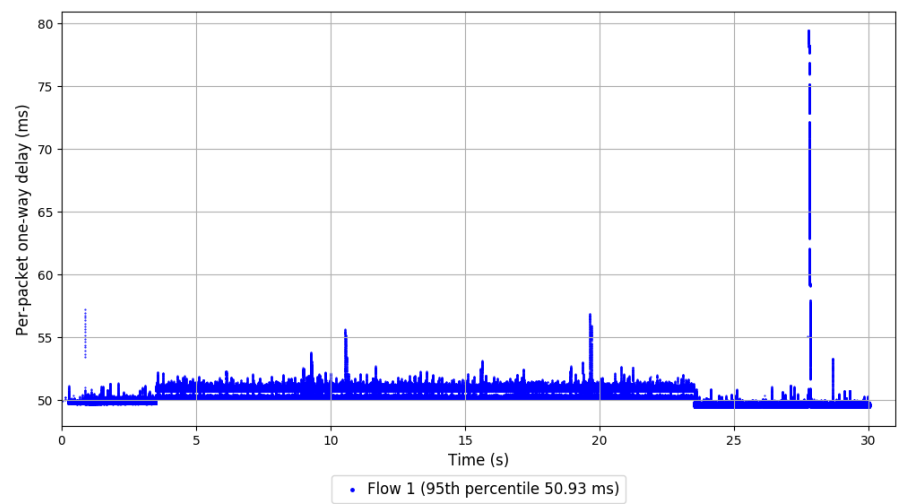
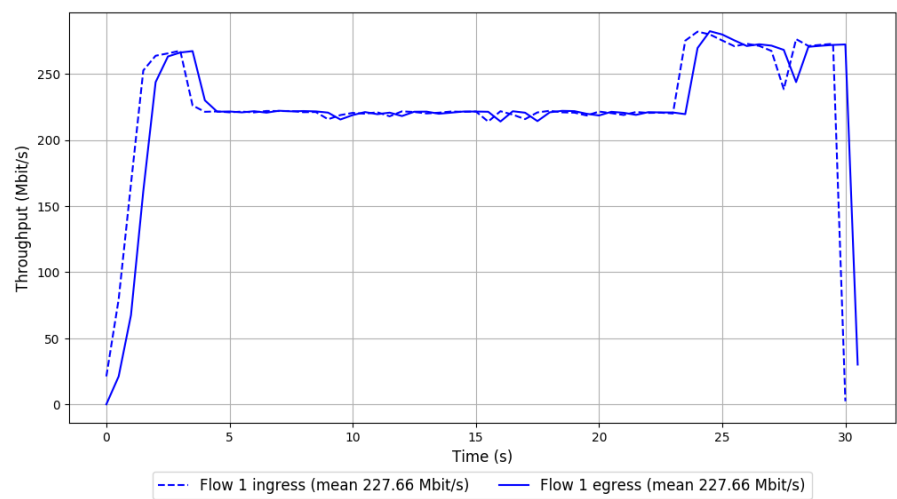


Run 4: Statistics of TaoVA-100x

Start at: 2018-06-01 06:00:51
End at: 2018-06-01 06:01:21
Local clock offset: 0.094 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-06-01 09:44:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 227.66 Mbit/s
95th percentile per-packet one-way delay: 50.929 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 227.66 Mbit/s
95th percentile per-packet one-way delay: 50.929 ms
Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-06-01 06:21:32

End at: 2018-06-01 06:22:02

Local clock offset: 0.088 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-06-01 09:45:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 241.65 Mbit/s

95th percentile per-packet one-way delay: 50.578 ms

Loss rate: 0.00%

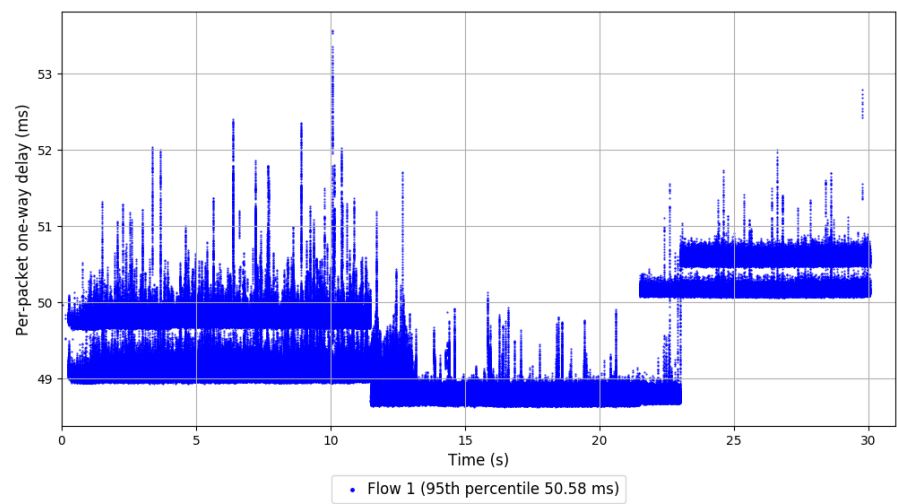
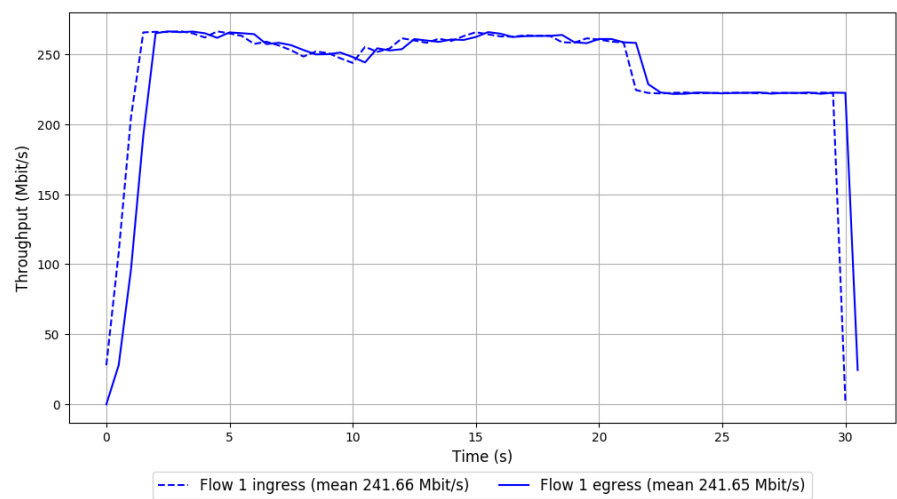
-- Flow 1:

Average throughput: 241.65 Mbit/s

95th percentile per-packet one-way delay: 50.578 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-06-01 06:42:05

End at: 2018-06-01 06:42:35

Local clock offset: 0.45 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2018-06-01 09:47:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 233.89 Mbit/s

95th percentile per-packet one-way delay: 50.324 ms

Loss rate: 0.00%

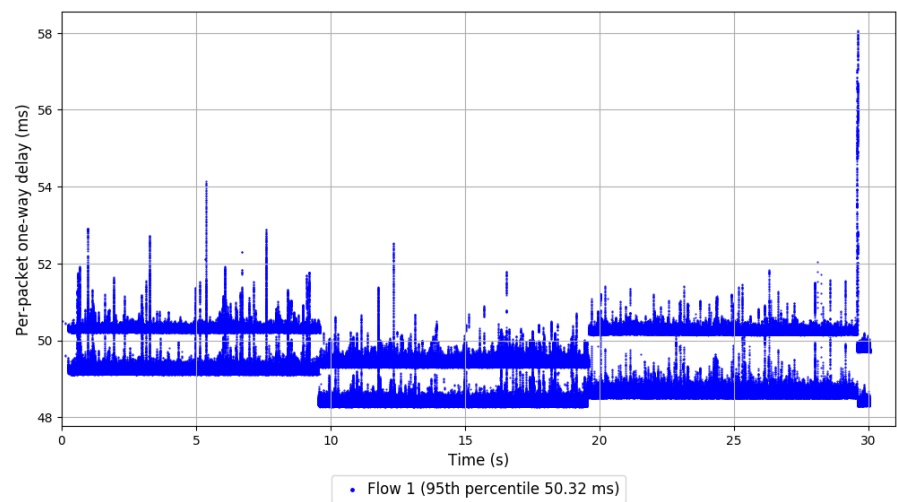
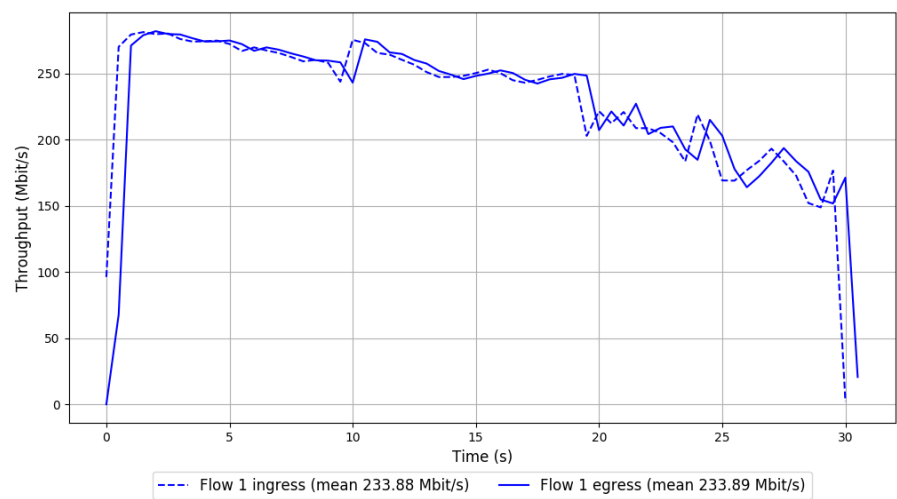
-- Flow 1:

Average throughput: 233.89 Mbit/s

95th percentile per-packet one-way delay: 50.324 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-06-01 07:02:45

End at: 2018-06-01 07:03:15

Local clock offset: 0.446 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-06-01 09:47:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.44 Mbit/s

95th percentile per-packet one-way delay: 50.682 ms

Loss rate: 0.00%

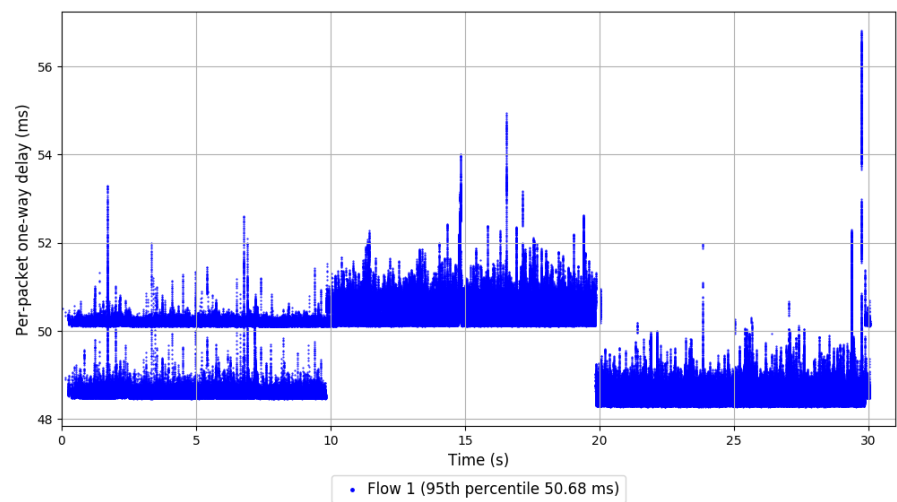
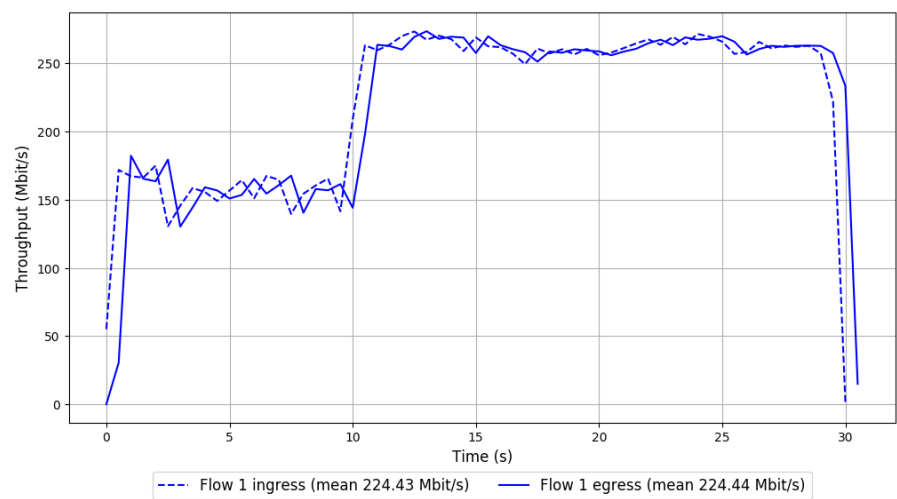
-- Flow 1:

Average throughput: 224.44 Mbit/s

95th percentile per-packet one-way delay: 50.682 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-06-01 07:23:19

End at: 2018-06-01 07:23:49

Local clock offset: -0.366 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-06-01 09:48:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 243.24 Mbit/s

95th percentile per-packet one-way delay: 51.438 ms

Loss rate: 0.00%

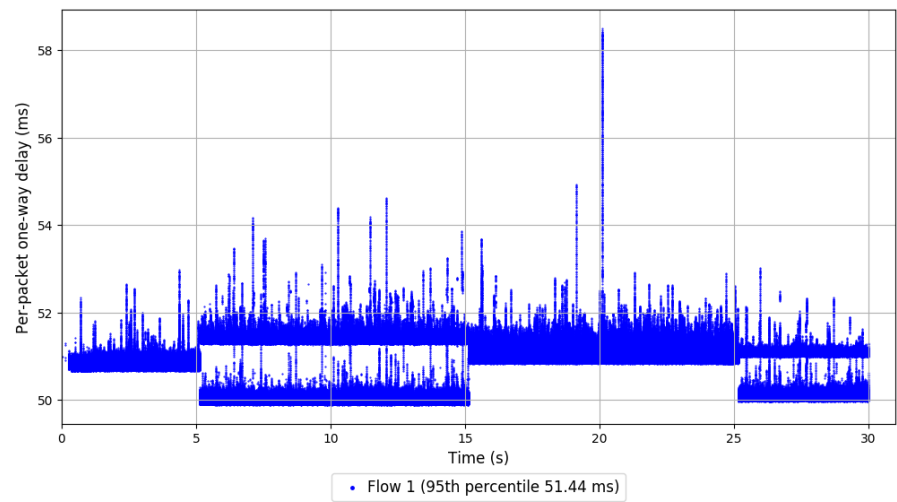
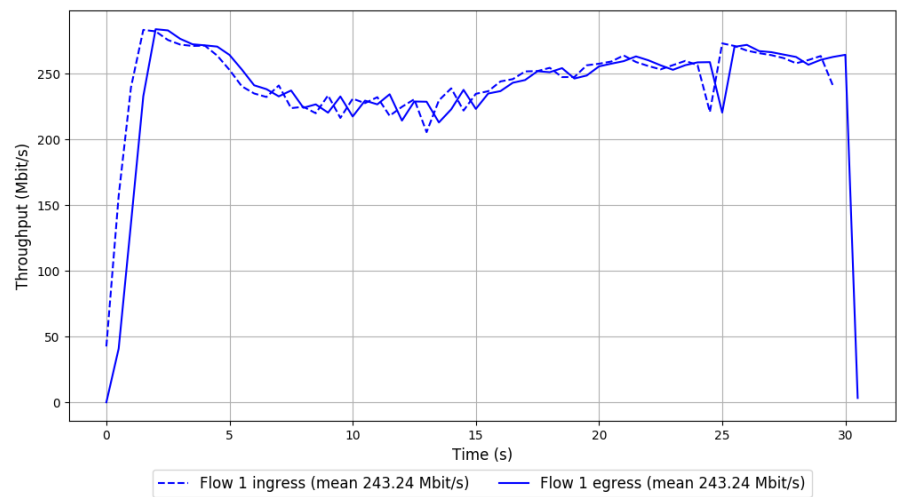
-- Flow 1:

Average throughput: 243.24 Mbit/s

95th percentile per-packet one-way delay: 51.438 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-06-01 07:43:42

End at: 2018-06-01 07:44:12

Local clock offset: 0.415 ms

Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-06-01 09:49:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 253.03 Mbit/s

95th percentile per-packet one-way delay: 50.518 ms

Loss rate: 0.00%

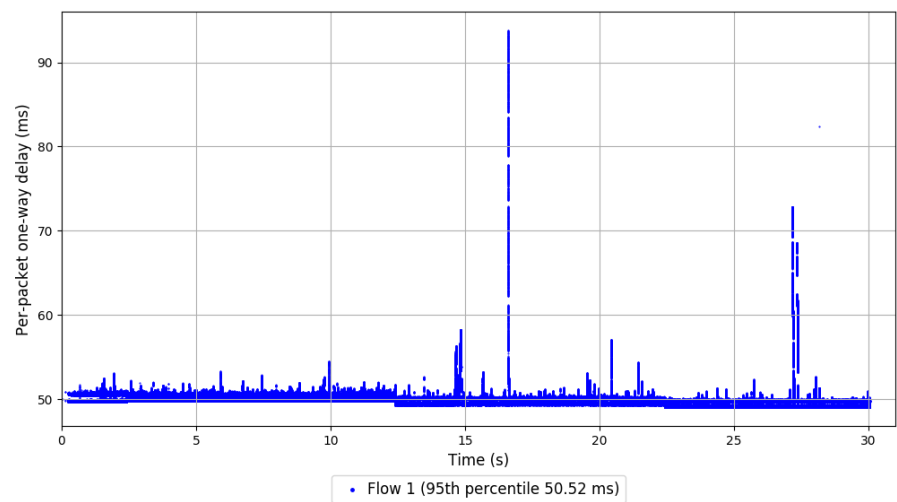
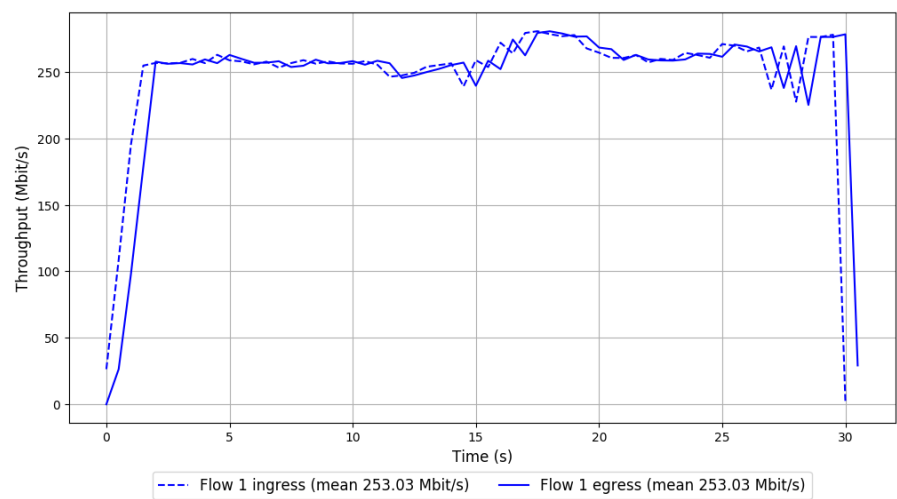
-- Flow 1:

Average throughput: 253.03 Mbit/s

95th percentile per-packet one-way delay: 50.518 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-06-01 08:04:10

End at: 2018-06-01 08:04:40

Local clock offset: 0.335 ms

Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-06-01 09:49:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 231.87 Mbit/s

95th percentile per-packet one-way delay: 50.214 ms

Loss rate: 0.00%

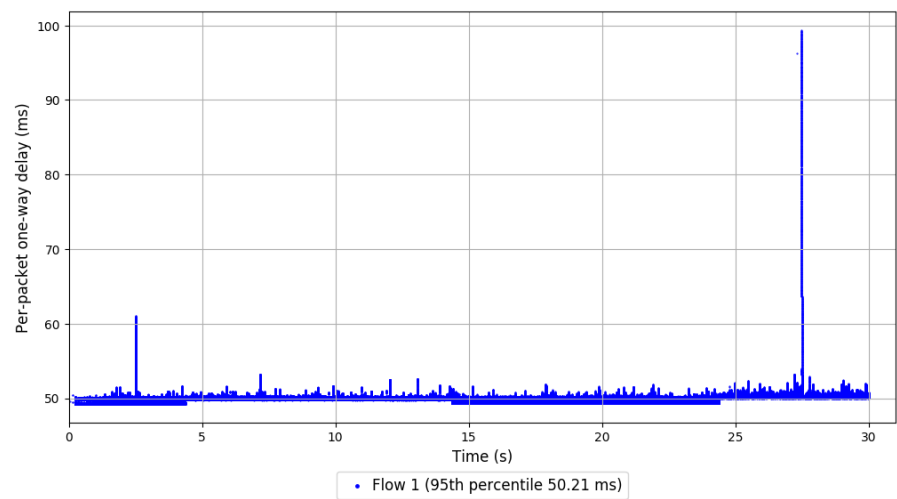
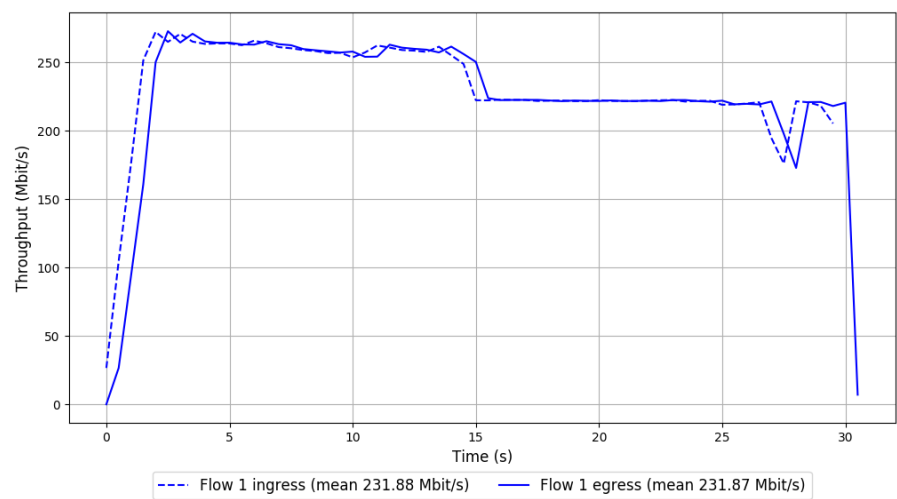
-- Flow 1:

Average throughput: 231.87 Mbit/s

95th percentile per-packet one-way delay: 50.214 ms

Loss rate: 0.00%

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

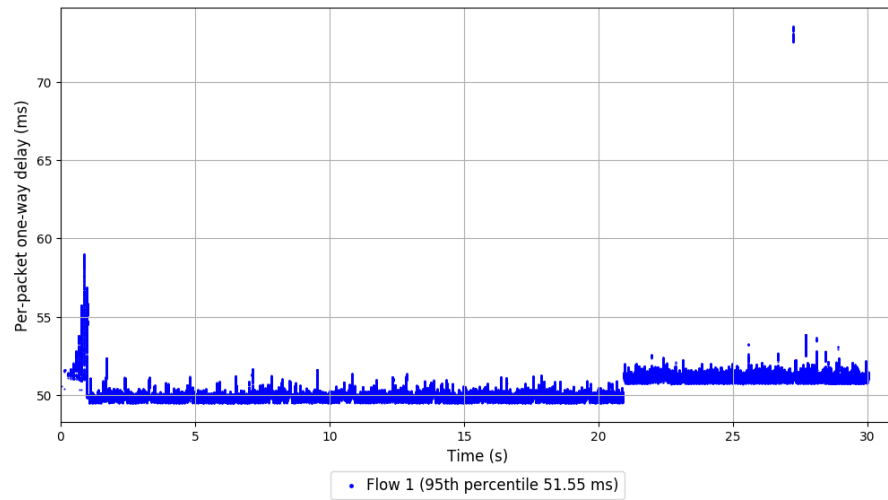
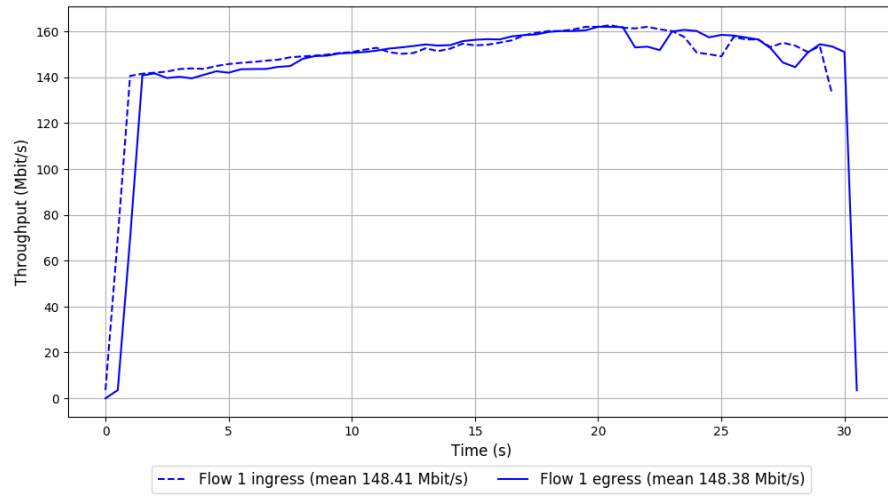


Run 1: Statistics of TCP Vegas

Start at: 2018-06-01 05:12:34
End at: 2018-06-01 05:13:04
Local clock offset: 0.029 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-06-01 09:49:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 148.38 Mbit/s
95th percentile per-packet one-way delay: 51.550 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 148.38 Mbit/s
95th percentile per-packet one-way delay: 51.550 ms
Loss rate: 0.02%

Run 1: Report of TCP Vegas — Data Link

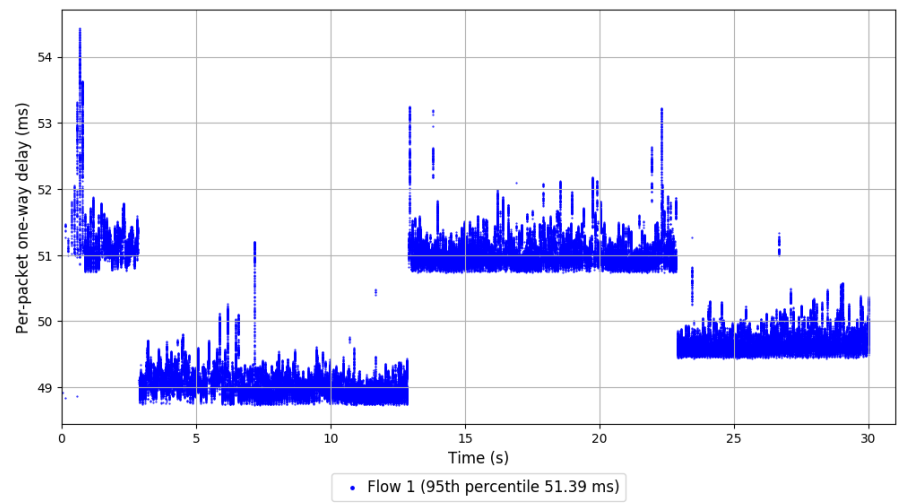
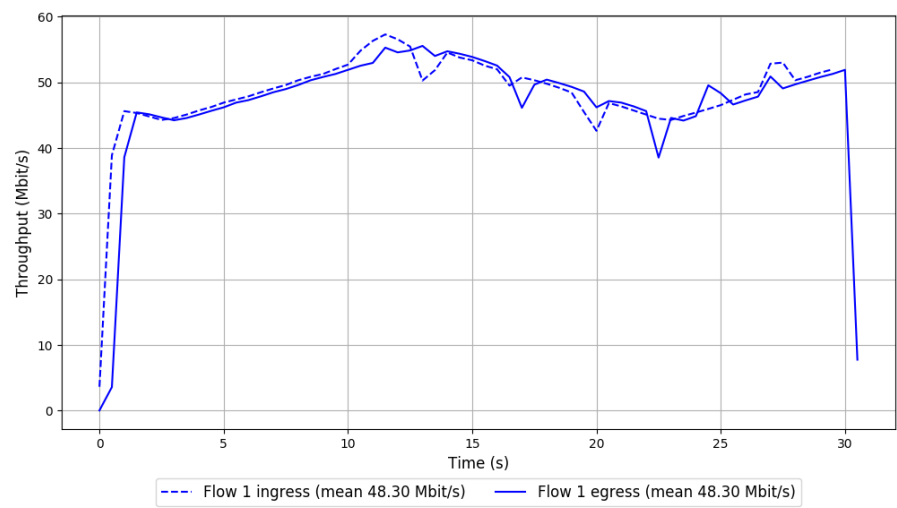


Run 2: Statistics of TCP Vegas

Start at: 2018-06-01 05:33:02
End at: 2018-06-01 05:33:32
Local clock offset: 0.034 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-06-01 09:49:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.30 Mbit/s
95th percentile per-packet one-way delay: 51.391 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.30 Mbit/s
95th percentile per-packet one-way delay: 51.391 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

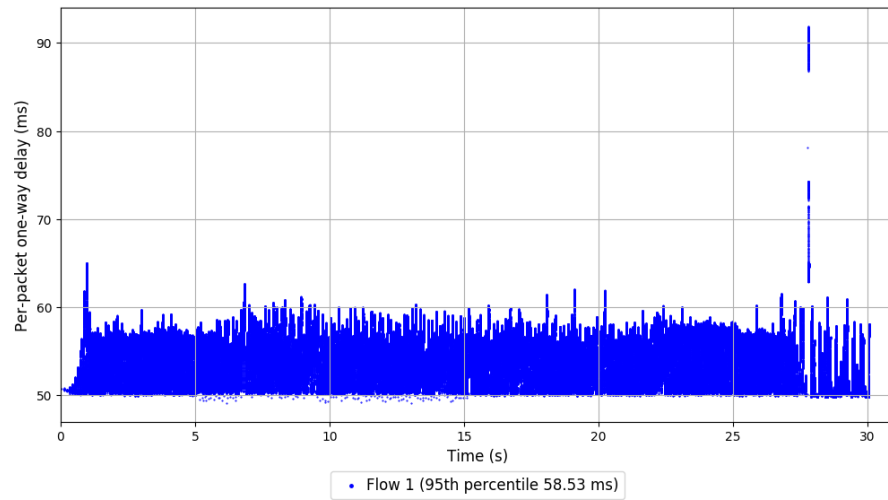
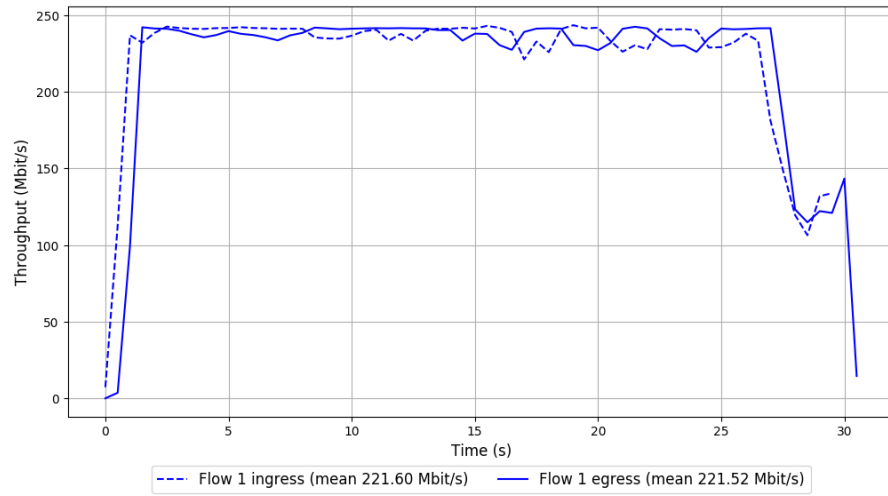


Run 3: Statistics of TCP Vegas

Start at: 2018-06-01 05:53:29
End at: 2018-06-01 05:53:59
Local clock offset: -0.291 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-06-01 09:49:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.52 Mbit/s
95th percentile per-packet one-way delay: 58.530 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 221.52 Mbit/s
95th percentile per-packet one-way delay: 58.530 ms
Loss rate: 0.01%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-06-01 06:14:12

End at: 2018-06-01 06:14:42

Local clock offset: 0.105 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-06-01 09:49:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 107.48 Mbit/s

95th percentile per-packet one-way delay: 50.367 ms

Loss rate: 0.00%

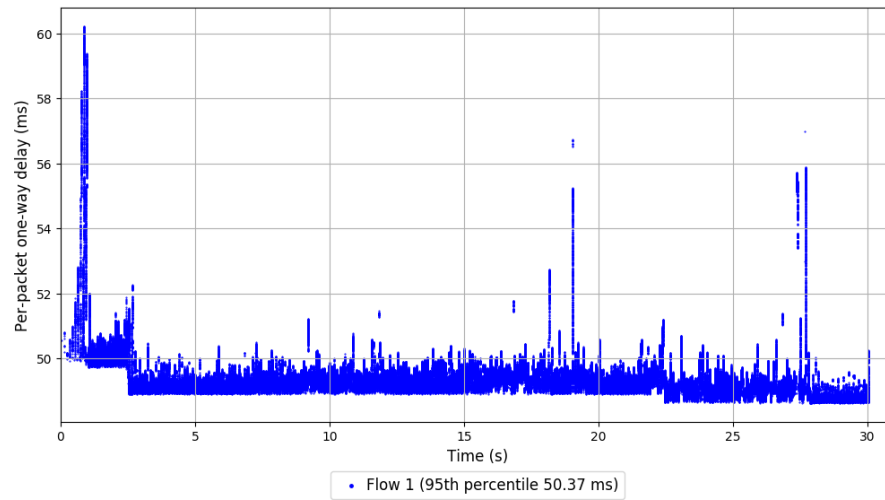
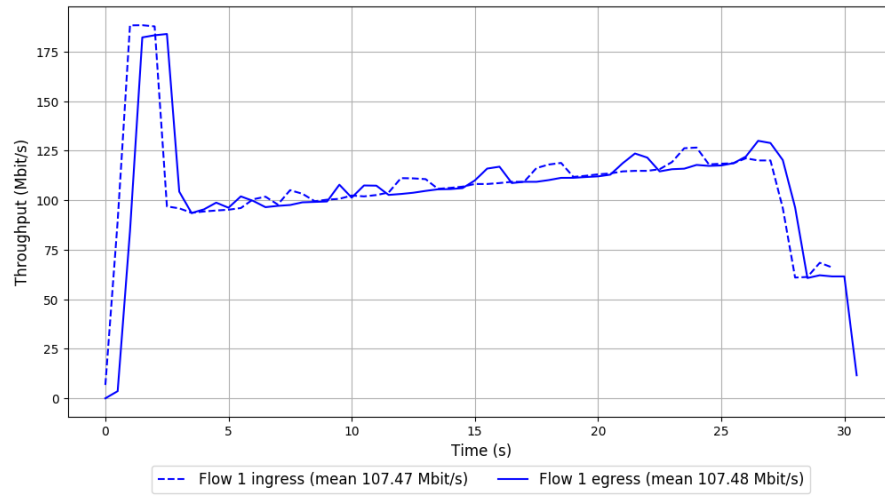
-- Flow 1:

Average throughput: 107.48 Mbit/s

95th percentile per-packet one-way delay: 50.367 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-06-01 06:34:56

End at: 2018-06-01 06:35:27

Local clock offset: 0.03 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-06-01 09:49:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 135.20 Mbit/s

95th percentile per-packet one-way delay: 57.939 ms

Loss rate: 0.01%

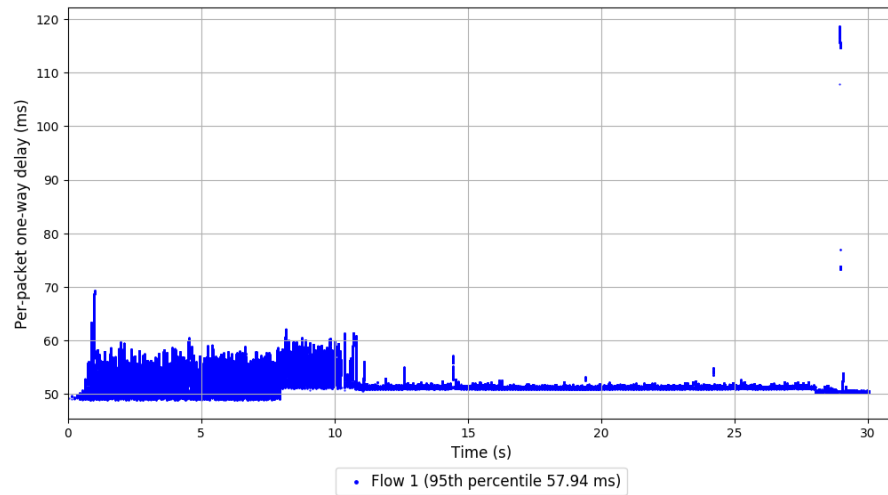
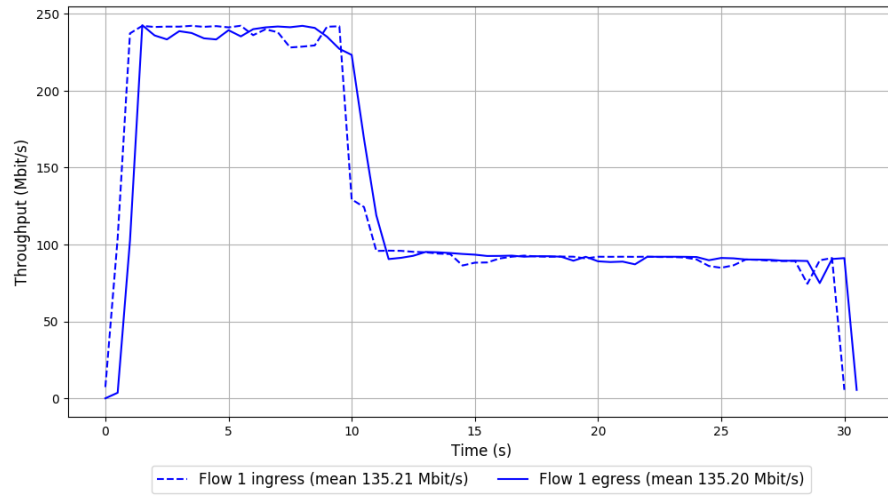
-- Flow 1:

Average throughput: 135.20 Mbit/s

95th percentile per-packet one-way delay: 57.939 ms

Loss rate: 0.01%

Run 5: Report of TCP Vegas — Data Link

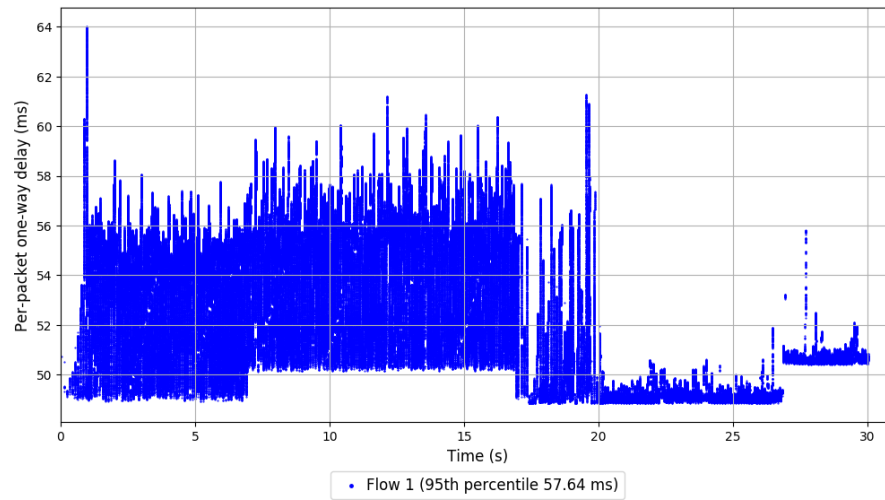
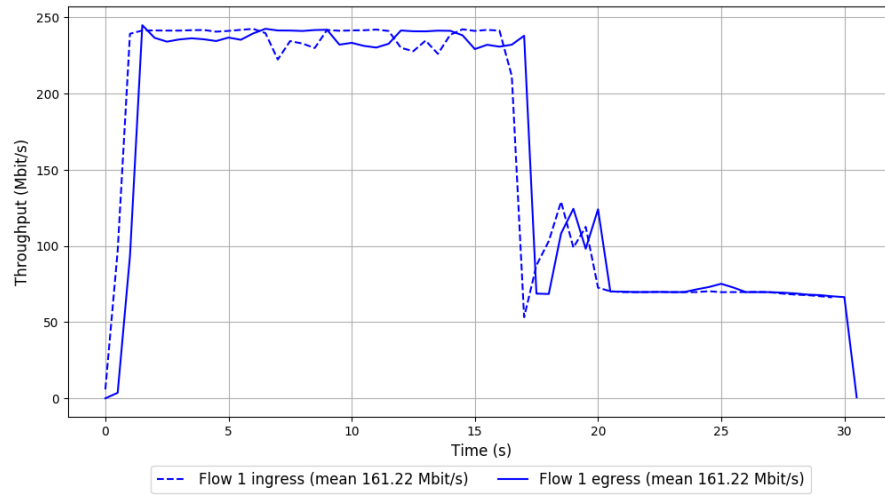


Run 6: Statistics of TCP Vegas

Start at: 2018-06-01 06:55:28
End at: 2018-06-01 06:55:58
Local clock offset: 0.021 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-06-01 09:50:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 161.22 Mbit/s
95th percentile per-packet one-way delay: 57.640 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 161.22 Mbit/s
95th percentile per-packet one-way delay: 57.640 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-06-01 07:16:11

End at: 2018-06-01 07:16:41

Local clock offset: 0.019 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-06-01 09:50:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.12 Mbit/s

95th percentile per-packet one-way delay: 51.614 ms

Loss rate: 0.00%

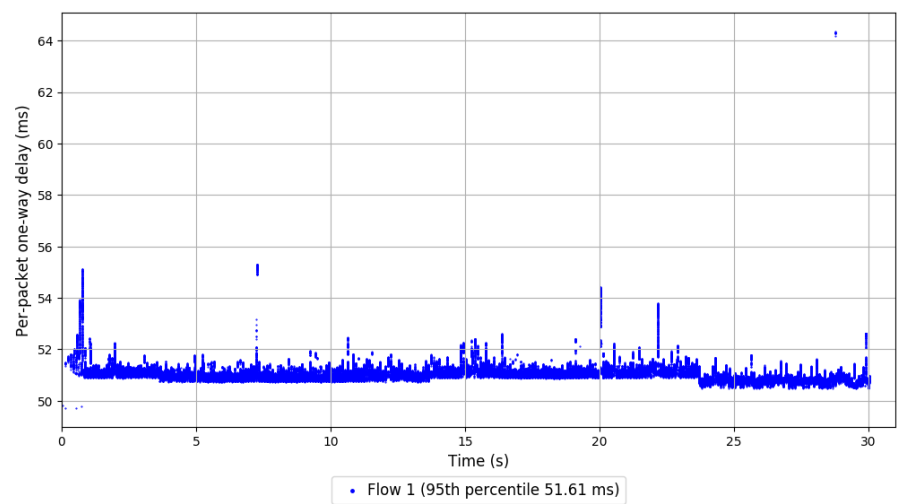
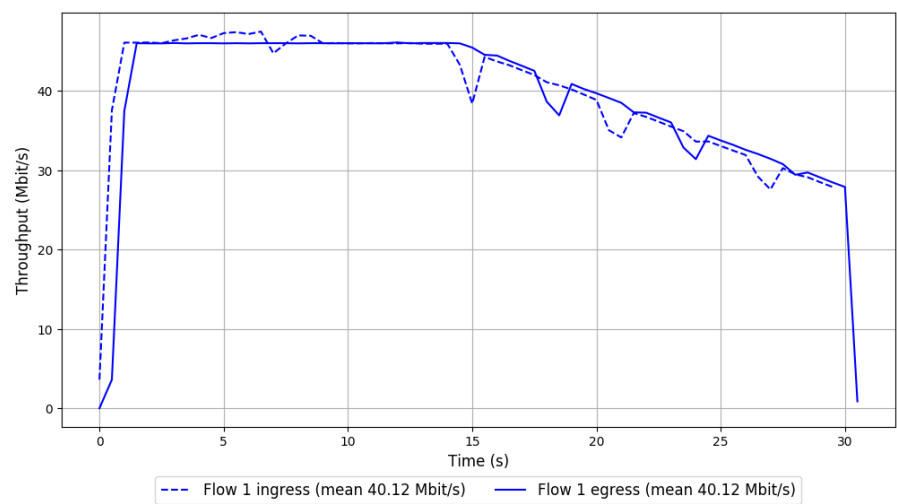
-- Flow 1:

Average throughput: 40.12 Mbit/s

95th percentile per-packet one-way delay: 51.614 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

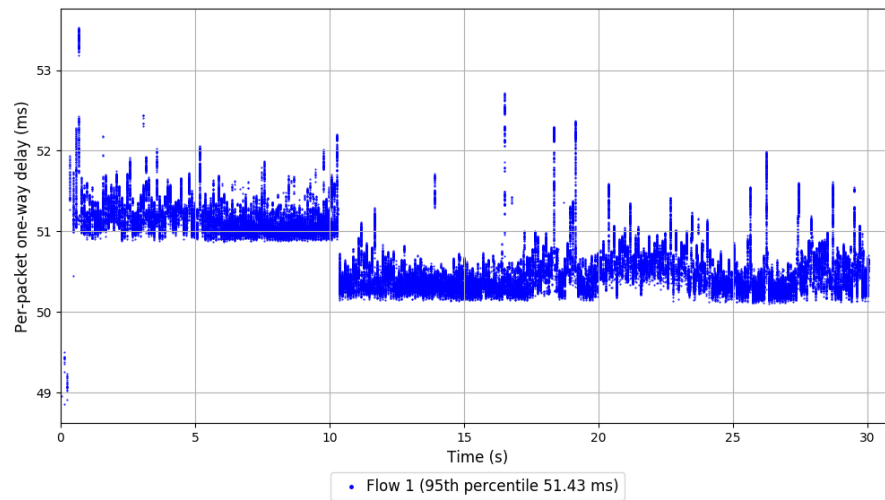
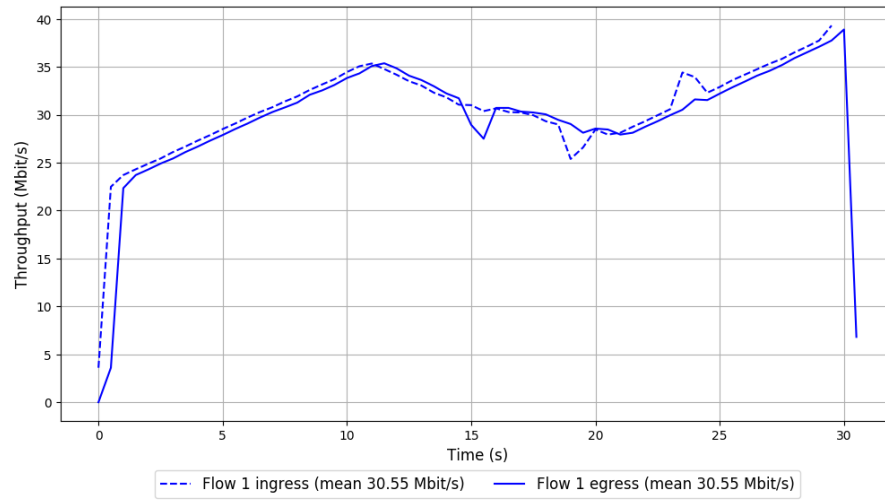


Run 8: Statistics of TCP Vegas

Start at: 2018-06-01 07:36:34
End at: 2018-06-01 07:37:04
Local clock offset: -0.025 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-06-01 09:50:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 30.55 Mbit/s
95th percentile per-packet one-way delay: 51.430 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 30.55 Mbit/s
95th percentile per-packet one-way delay: 51.430 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

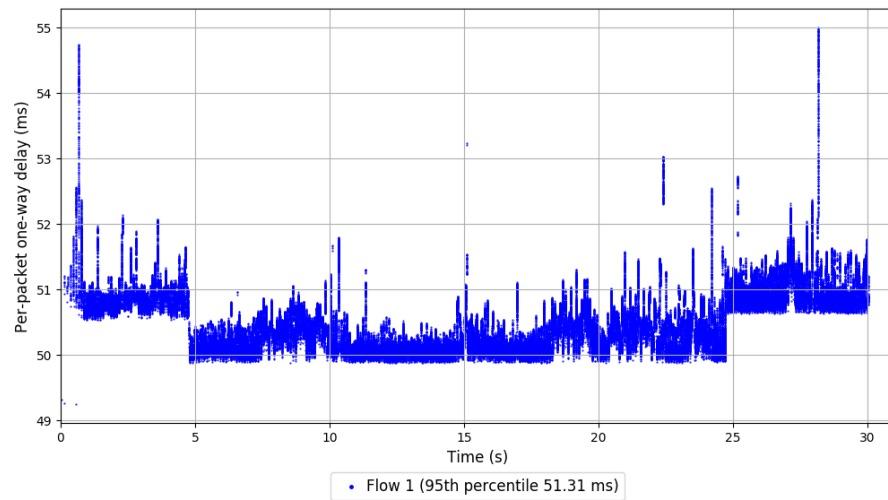
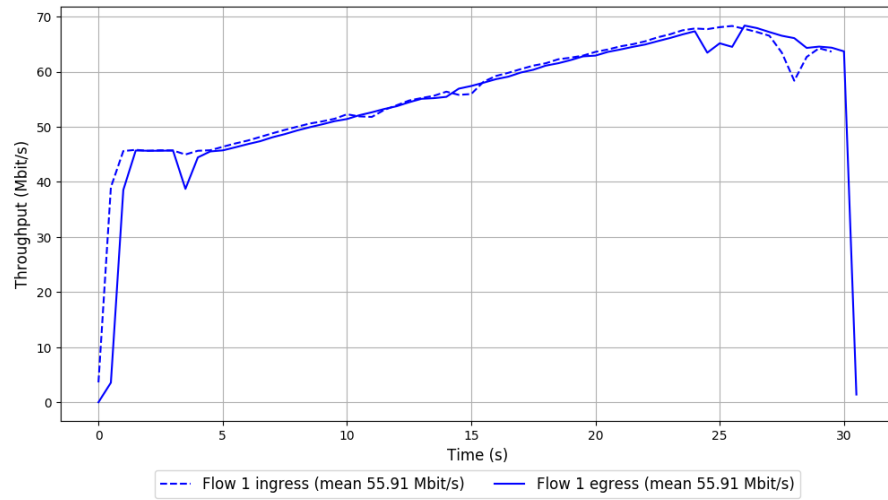


Run 9: Statistics of TCP Vegas

Start at: 2018-06-01 07:57:00
End at: 2018-06-01 07:57:30
Local clock offset: -0.378 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-06-01 09:50:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.91 Mbit/s
95th percentile per-packet one-way delay: 51.313 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.91 Mbit/s
95th percentile per-packet one-way delay: 51.313 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-06-01 08:17:45

End at: 2018-06-01 08:18:15

Local clock offset: 0.015 ms

Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-06-01 09:50:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.71 Mbit/s

95th percentile per-packet one-way delay: 52.852 ms

Loss rate: 0.00%

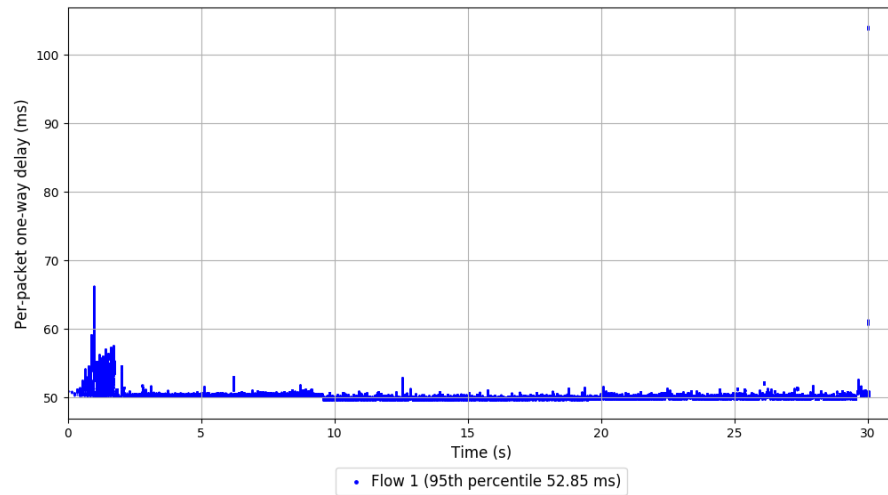
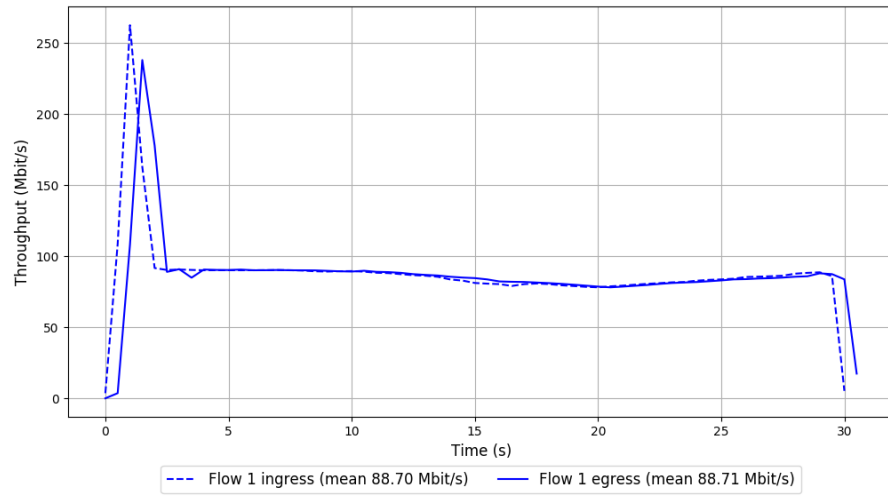
-- Flow 1:

Average throughput: 88.71 Mbit/s

95th percentile per-packet one-way delay: 52.852 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

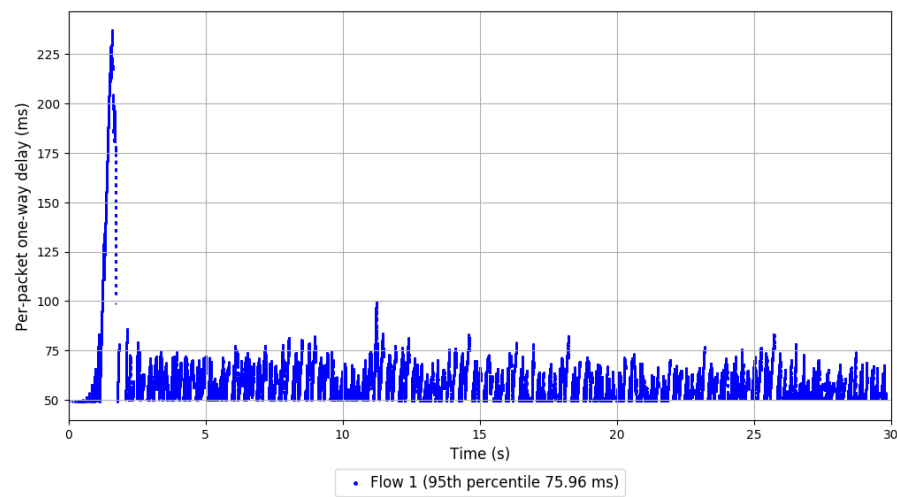
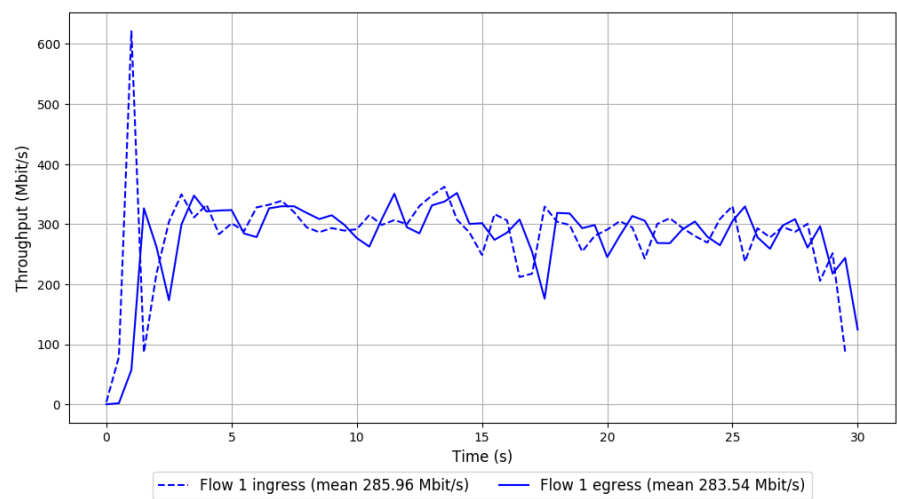


Run 1: Statistics of Verus

Start at: 2018-06-01 05:01:52
End at: 2018-06-01 05:02:22
Local clock offset: -0.008 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-06-01 09:52:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 283.54 Mbit/s
95th percentile per-packet one-way delay: 75.963 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 283.54 Mbit/s
95th percentile per-packet one-way delay: 75.963 ms
Loss rate: 0.84%

Run 1: Report of Verus — Data Link

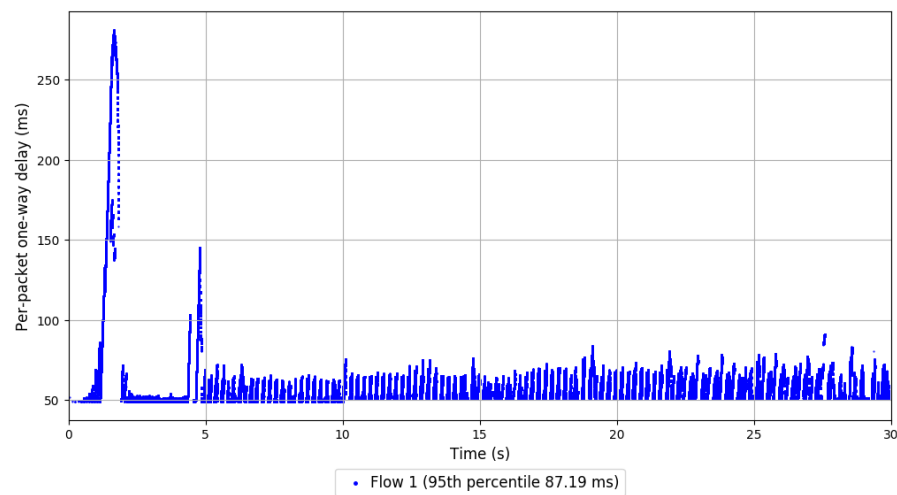
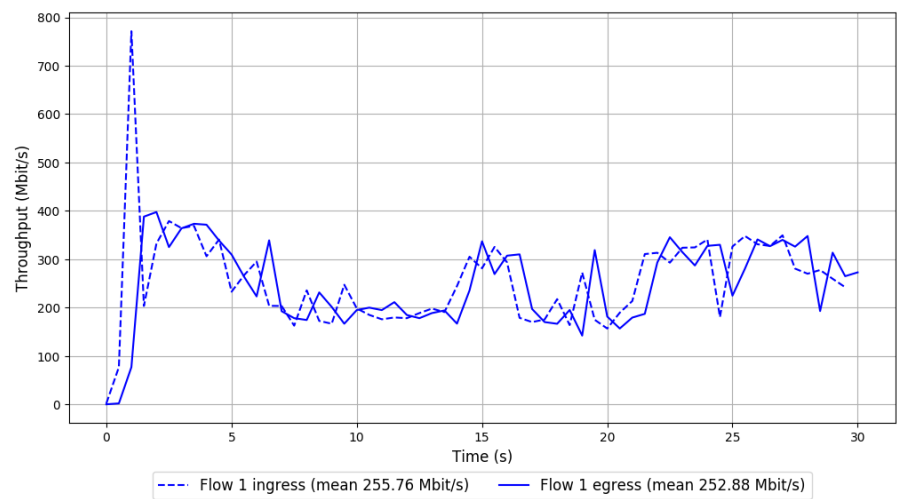


Run 2: Statistics of Verus

Start at: 2018-06-01 05:22:34
End at: 2018-06-01 05:23:04
Local clock offset: -0.295 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-06-01 09:52:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 252.88 Mbit/s
95th percentile per-packet one-way delay: 87.189 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 252.88 Mbit/s
95th percentile per-packet one-way delay: 87.189 ms
Loss rate: 1.13%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-06-01 05:42:56

End at: 2018-06-01 05:43:26

Local clock offset: -0.337 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-06-01 09:53:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 259.45 Mbit/s

95th percentile per-packet one-way delay: 122.296 ms

Loss rate: 0.60%

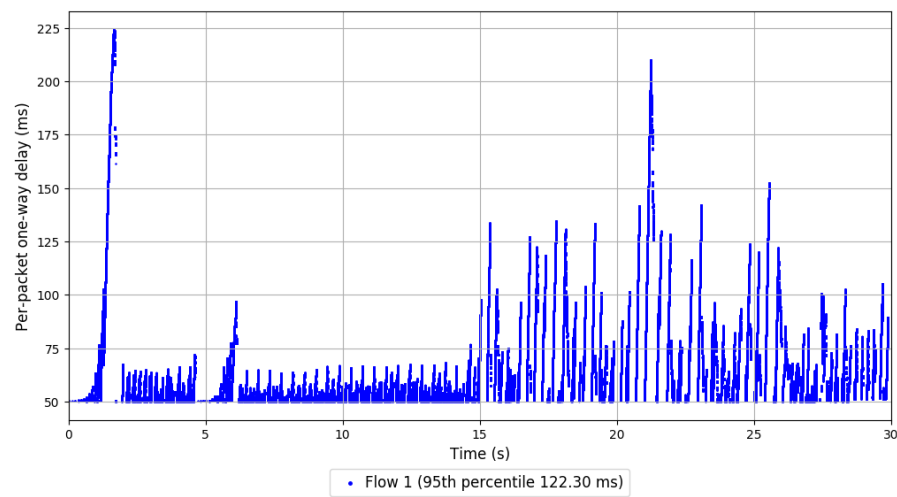
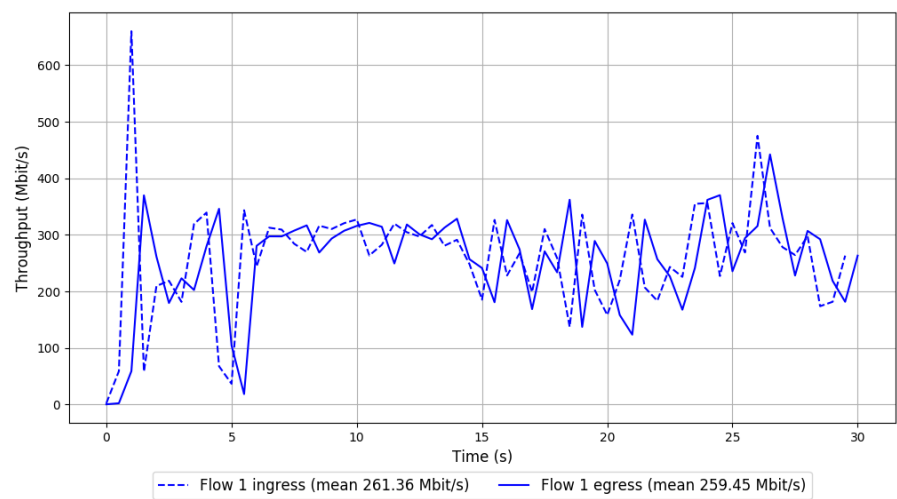
-- Flow 1:

Average throughput: 259.45 Mbit/s

95th percentile per-packet one-way delay: 122.296 ms

Loss rate: 0.60%

Run 3: Report of Verus — Data Link

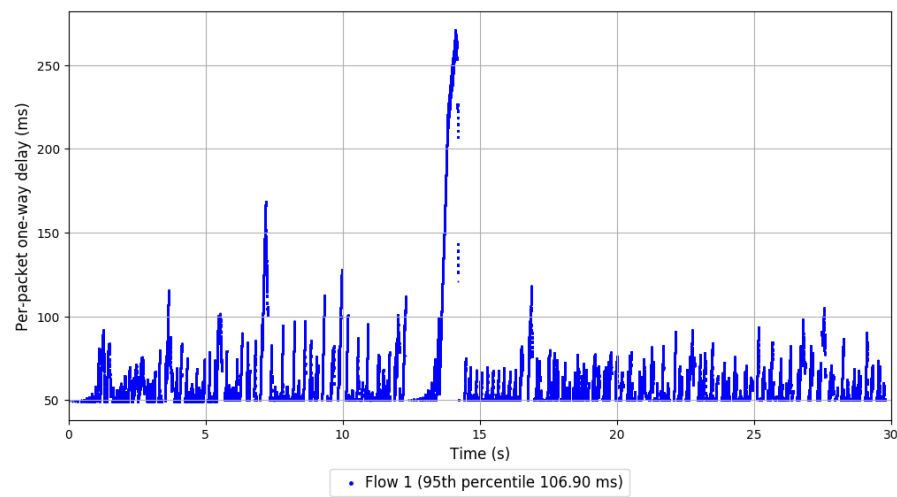
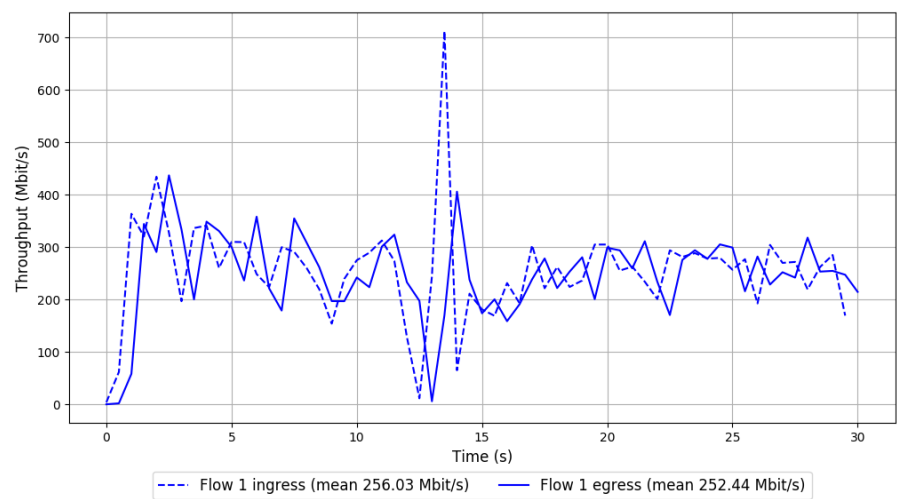


Run 4: Statistics of Verus

Start at: 2018-06-01 06:03:39
End at: 2018-06-01 06:04:09
Local clock offset: -0.294 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-06-01 09:53:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 252.44 Mbit/s
95th percentile per-packet one-way delay: 106.897 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 252.44 Mbit/s
95th percentile per-packet one-way delay: 106.897 ms
Loss rate: 1.40%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-06-01 06:24:21

End at: 2018-06-01 06:24:51

Local clock offset: 0.05 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-06-01 09:53:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 293.96 Mbit/s

95th percentile per-packet one-way delay: 84.784 ms

Loss rate: 0.63%

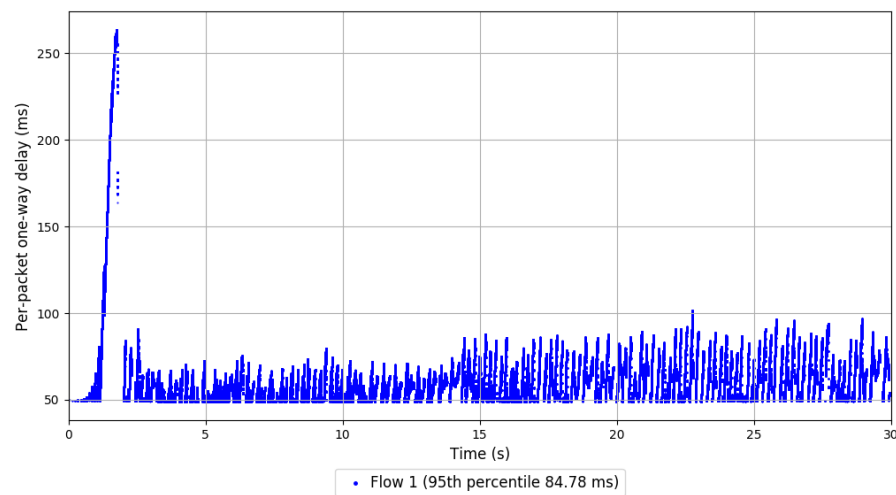
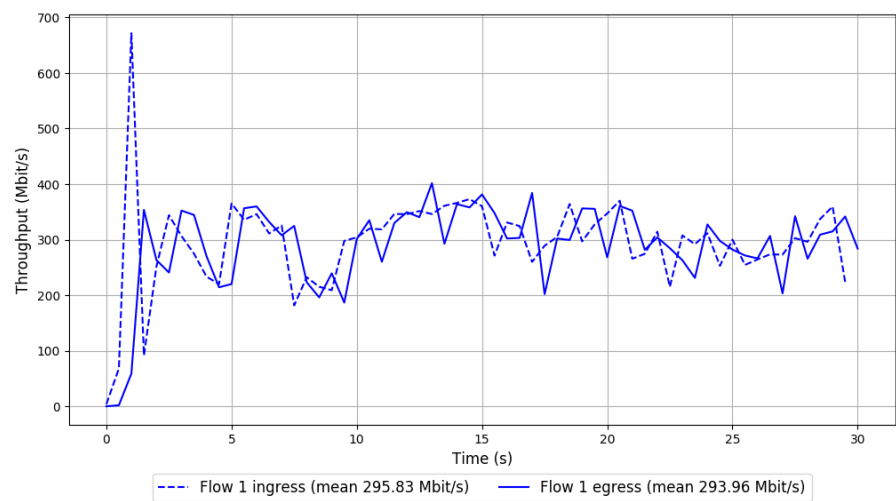
-- Flow 1:

Average throughput: 293.96 Mbit/s

95th percentile per-packet one-way delay: 84.784 ms

Loss rate: 0.63%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-06-01 06:44:53

End at: 2018-06-01 06:45:23

Local clock offset: 0.063 ms

Remote clock offset: 0.061 ms

Below is generated by plot.py at 2018-06-01 09:53:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 238.44 Mbit/s

95th percentile per-packet one-way delay: 103.890 ms

Loss rate: 2.10%

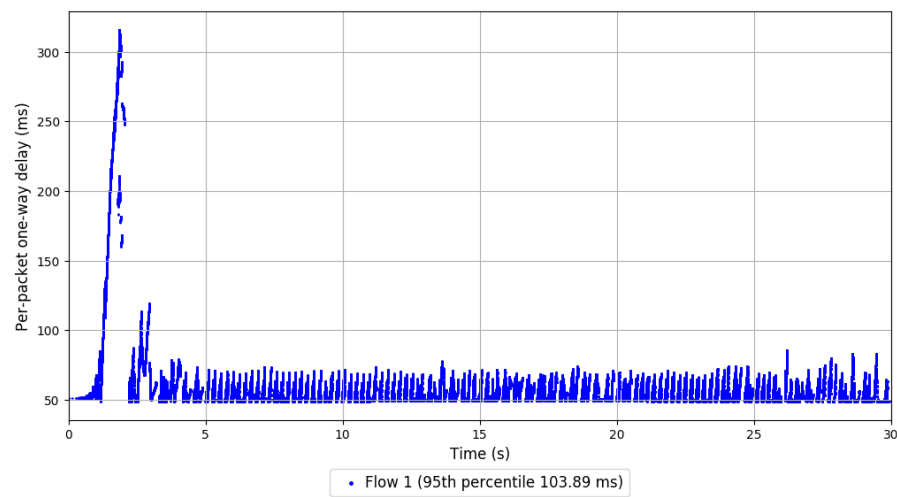
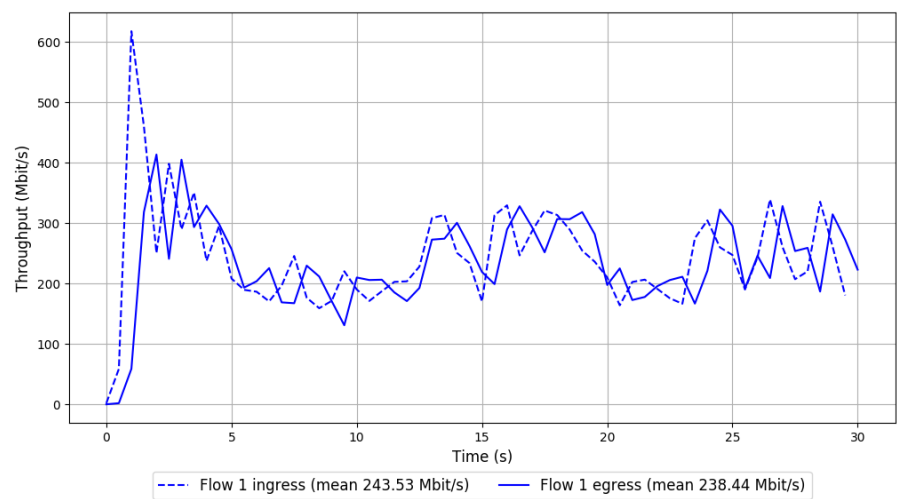
-- Flow 1:

Average throughput: 238.44 Mbit/s

95th percentile per-packet one-way delay: 103.890 ms

Loss rate: 2.10%

Run 6: Report of Verus — Data Link

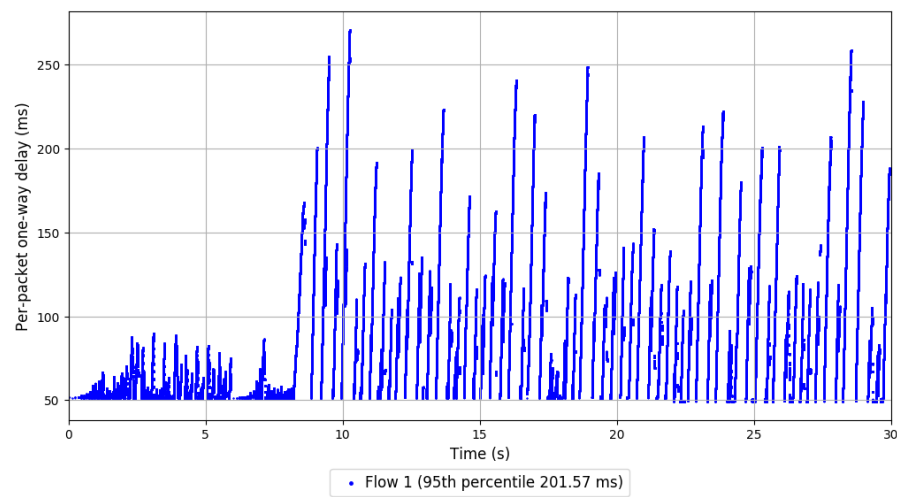
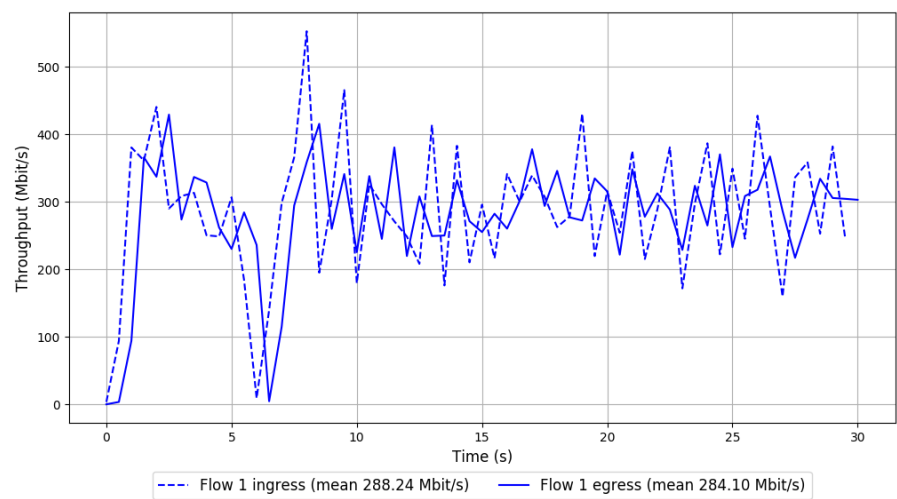


Run 7: Statistics of Verus

Start at: 2018-06-01 07:05:32
End at: 2018-06-01 07:06:02
Local clock offset: -0.334 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-06-01 09:54:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 284.10 Mbit/s
95th percentile per-packet one-way delay: 201.572 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 284.10 Mbit/s
95th percentile per-packet one-way delay: 201.572 ms
Loss rate: 1.04%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-06-01 07:26:09

End at: 2018-06-01 07:26:39

Local clock offset: 0.036 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-06-01 09:54:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 270.13 Mbit/s

95th percentile per-packet one-way delay: 79.000 ms

Loss rate: 0.87%

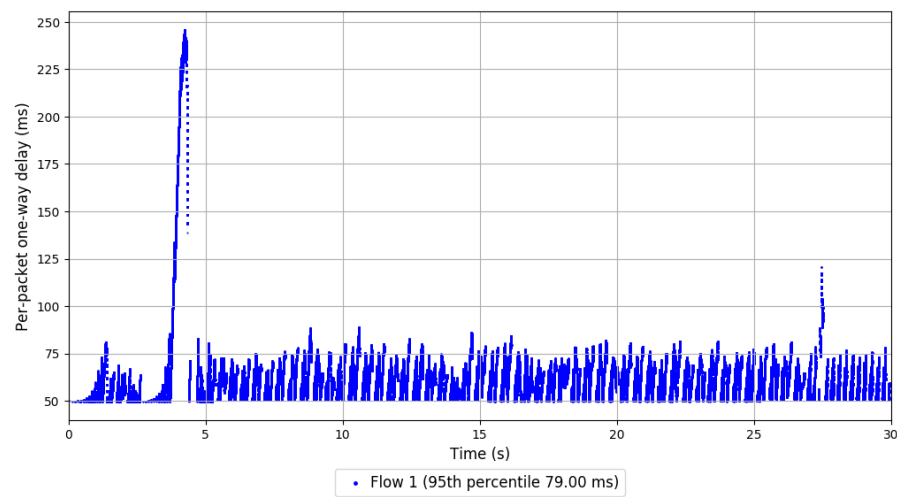
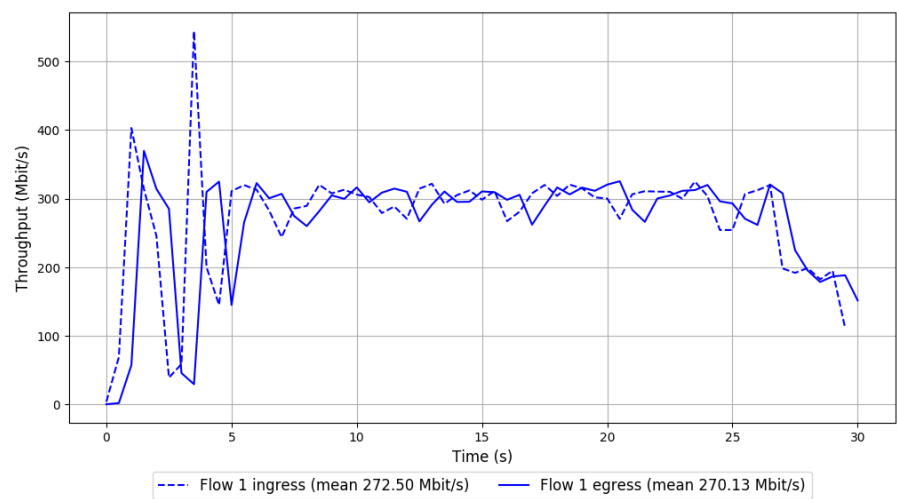
-- Flow 1:

Average throughput: 270.13 Mbit/s

95th percentile per-packet one-way delay: 79.000 ms

Loss rate: 0.87%

Run 8: Report of Verus — Data Link

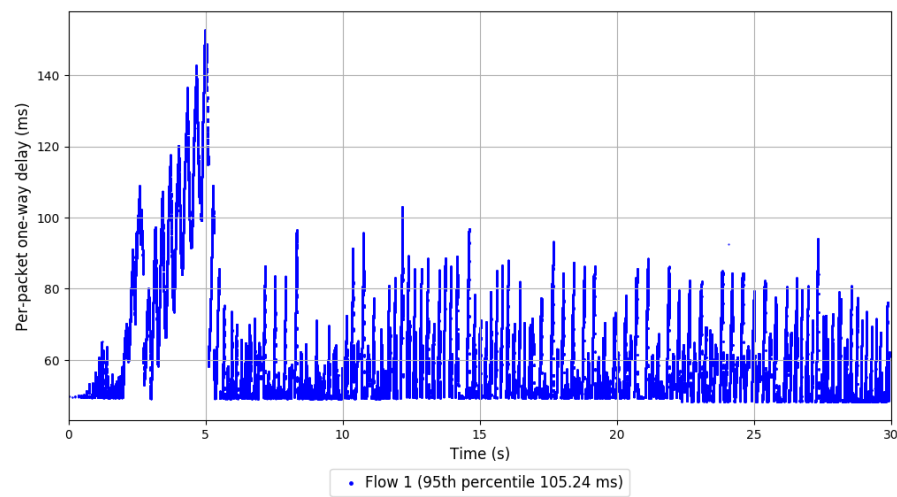
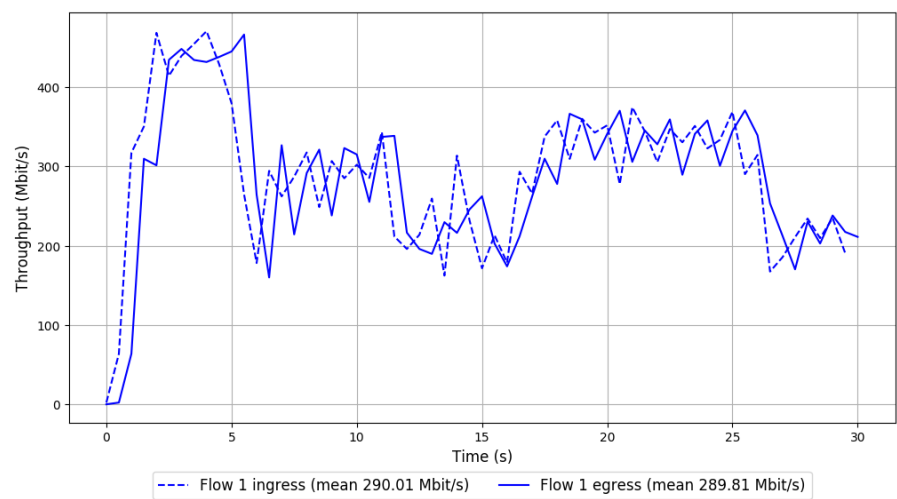


Run 9: Statistics of Verus

Start at: 2018-06-01 07:46:32
End at: 2018-06-01 07:47:02
Local clock offset: 0.375 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-06-01 09:56:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 289.81 Mbit/s
95th percentile per-packet one-way delay: 105.238 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 289.81 Mbit/s
95th percentile per-packet one-way delay: 105.238 ms
Loss rate: 0.07%

Run 9: Report of Verus — Data Link

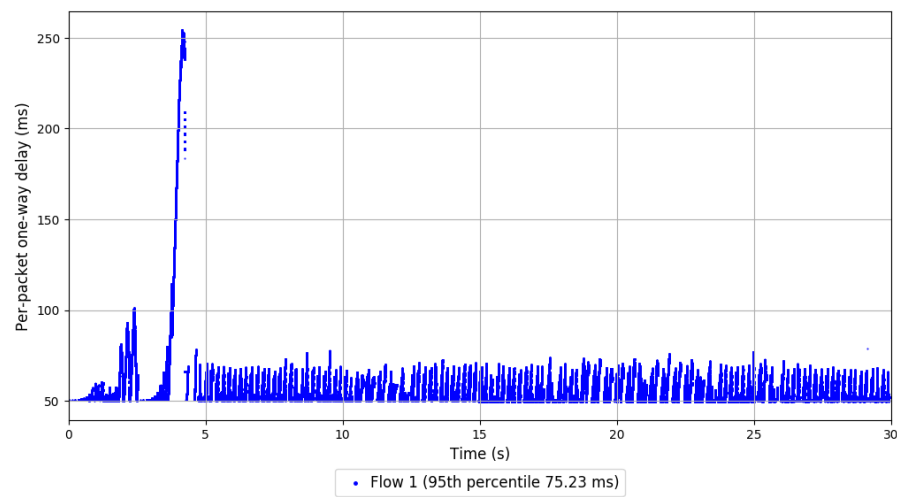
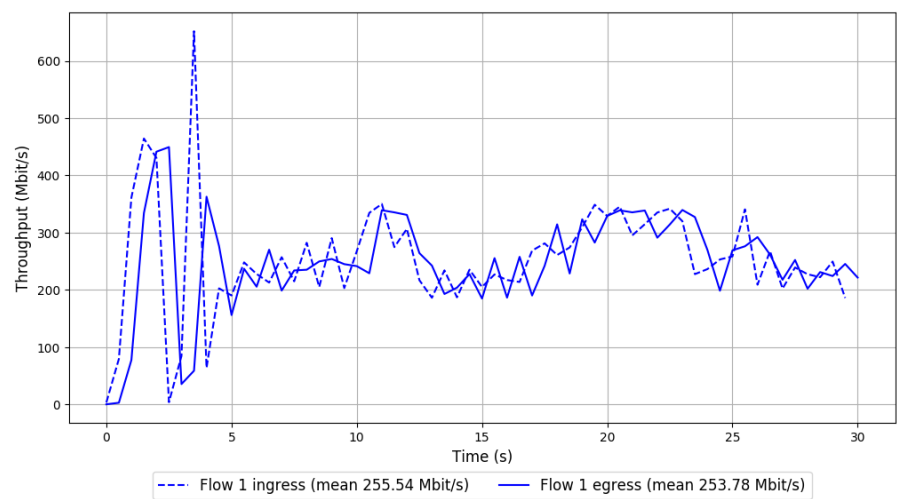


Run 10: Statistics of Verus

Start at: 2018-06-01 08:06:59
End at: 2018-06-01 08:07:29
Local clock offset: -0.028 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-06-01 09:56:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 253.78 Mbit/s
95th percentile per-packet one-way delay: 75.227 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 253.78 Mbit/s
95th percentile per-packet one-way delay: 75.227 ms
Loss rate: 0.68%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-06-01 05:09:57

End at: 2018-06-01 05:10:27

Local clock offset: 0.05 ms

Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-06-01 09:59:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 405.66 Mbit/s

95th percentile per-packet one-way delay: 54.749 ms

Loss rate: 0.11%

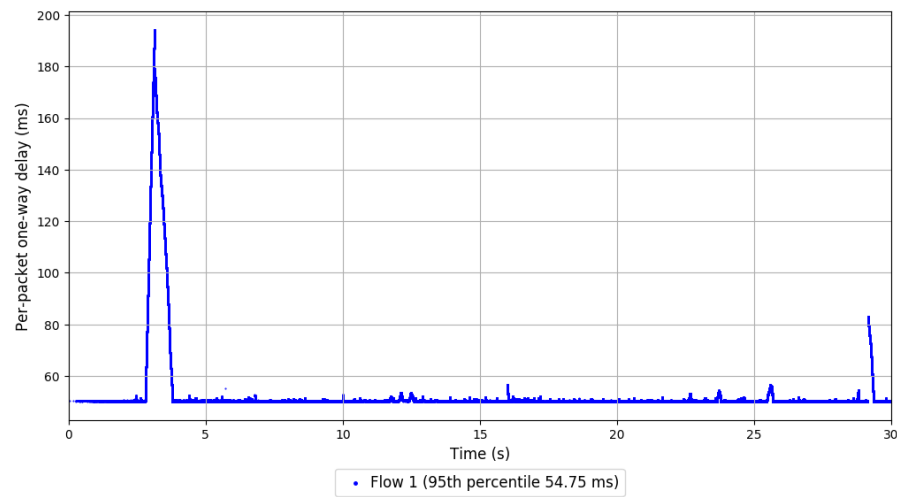
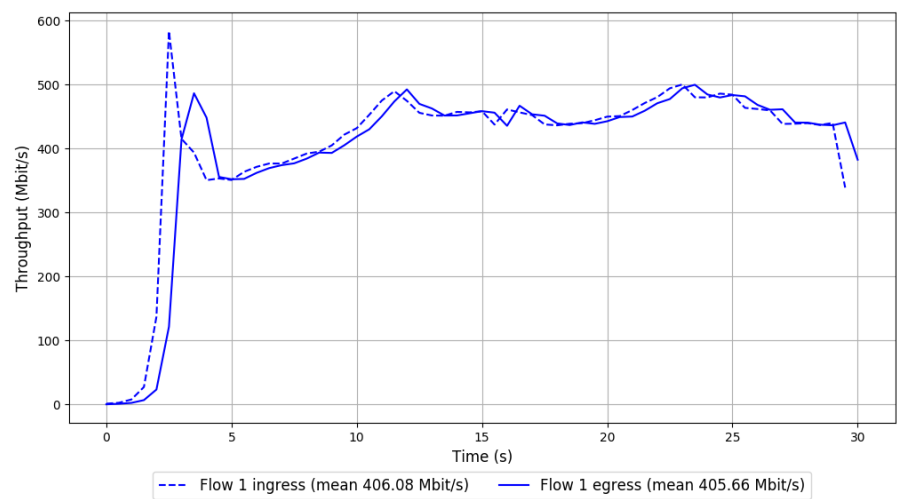
-- Flow 1:

Average throughput: 405.66 Mbit/s

95th percentile per-packet one-way delay: 54.749 ms

Loss rate: 0.11%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-06-01 05:30:25

End at: 2018-06-01 05:30:55

Local clock offset: 0.071 ms

Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-06-01 09:59:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 404.77 Mbit/s

95th percentile per-packet one-way delay: 52.091 ms

Loss rate: 0.00%

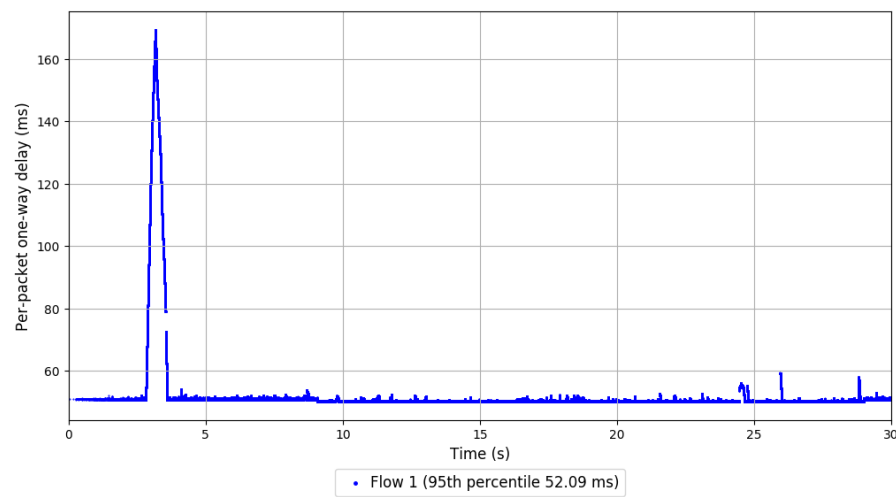
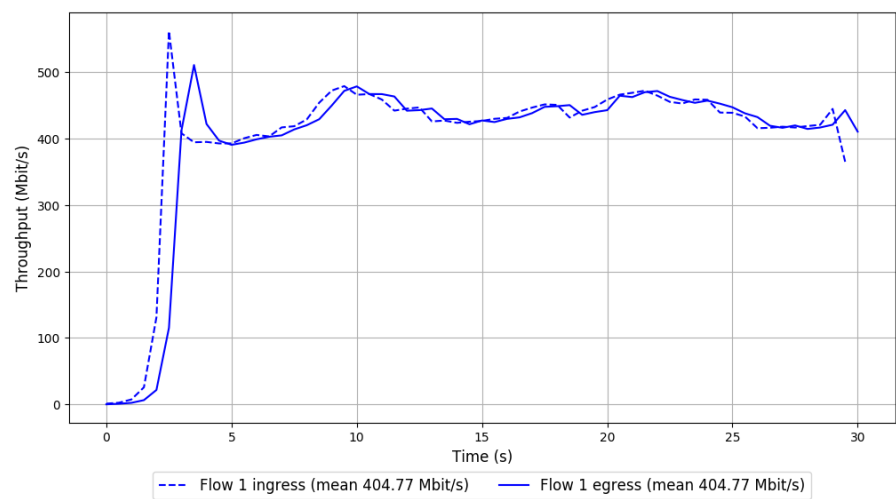
-- Flow 1:

Average throughput: 404.77 Mbit/s

95th percentile per-packet one-way delay: 52.091 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-06-01 05:50:54

End at: 2018-06-01 05:51:24

Local clock offset: 0.063 ms

Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-06-01 09:59:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 387.81 Mbit/s

95th percentile per-packet one-way delay: 53.765 ms

Loss rate: 0.16%

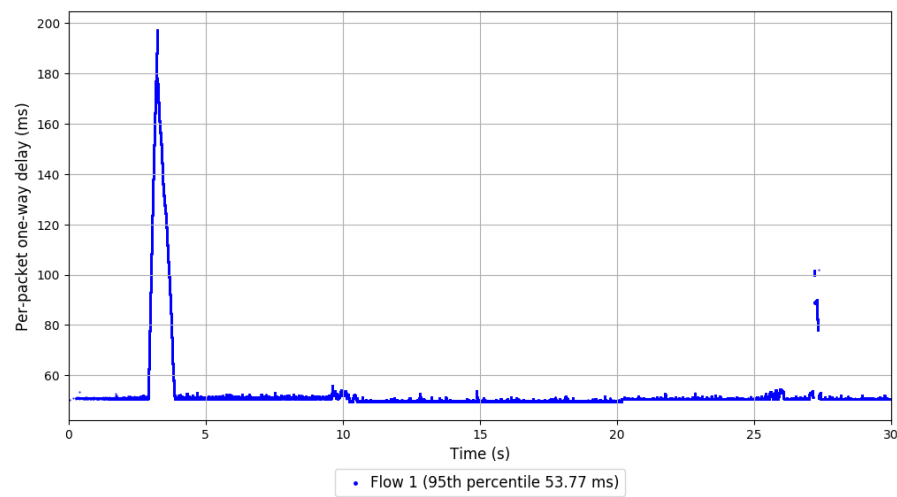
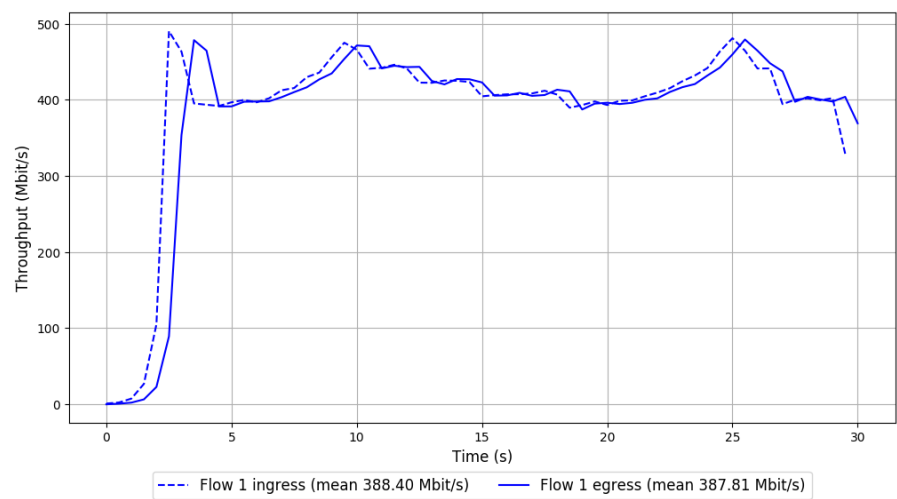
-- Flow 1:

Average throughput: 387.81 Mbit/s

95th percentile per-packet one-way delay: 53.765 ms

Loss rate: 0.16%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-06-01 06:11:37

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

Local clock offset: -0.245 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-06-01 10:00:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 397.76 Mbit/s

95th percentile per-packet one-way delay: 57.229 ms

Loss rate: 0.00%

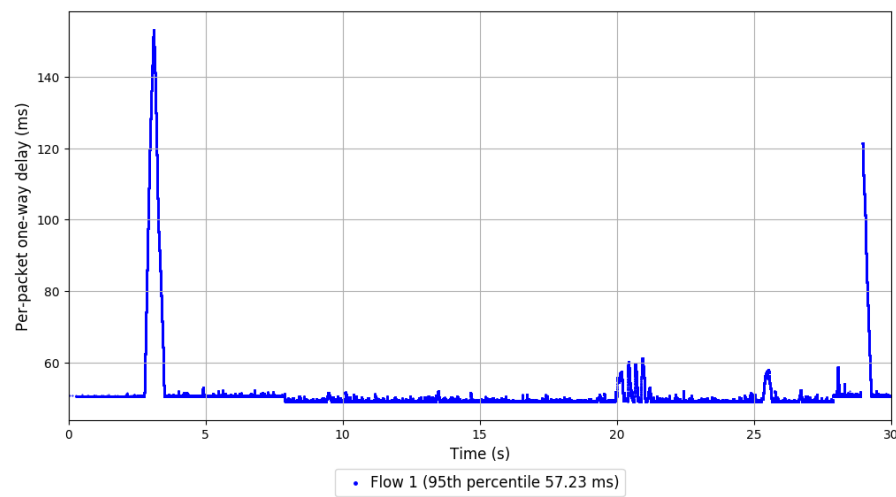
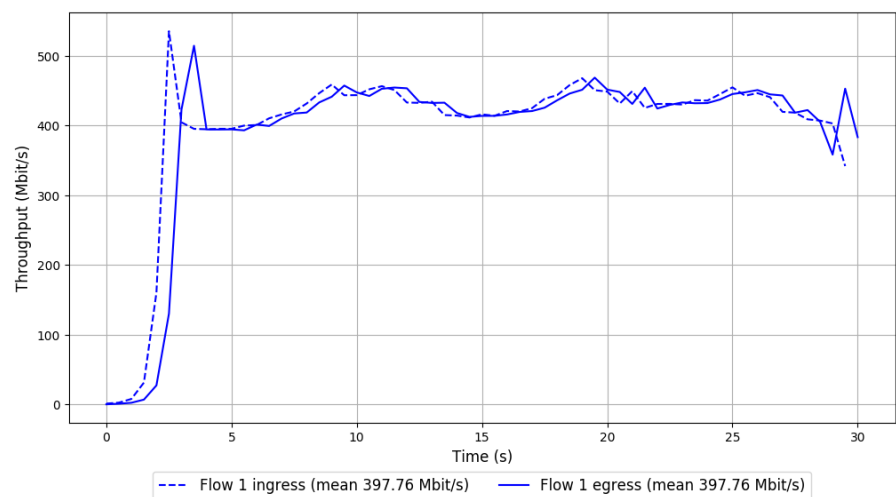
-- Flow 1:

Average throughput: 397.76 Mbit/s

95th percentile per-packet one-way delay: 57.229 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-06-01 06:32:24

End at: 2018-06-01 06:32:54

Local clock offset: 0.074 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-06-01 10:00:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 356.23 Mbit/s

95th percentile per-packet one-way delay: 51.857 ms

Loss rate: 0.06%

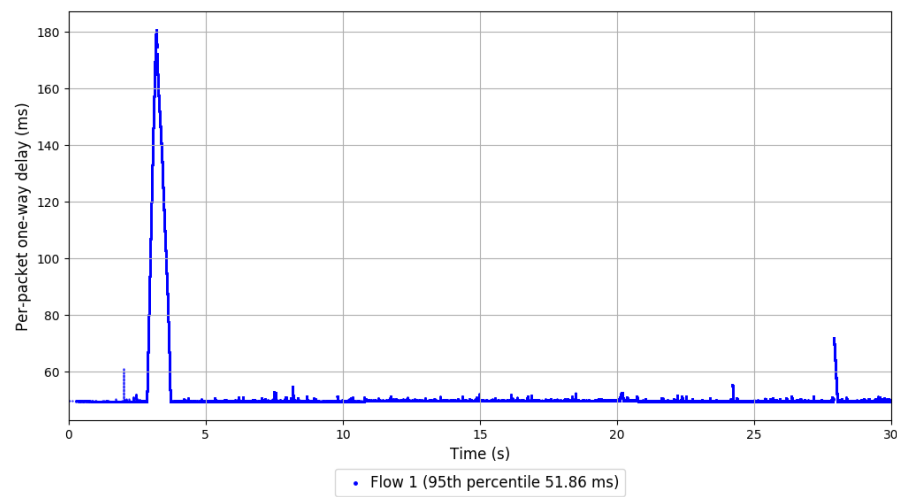
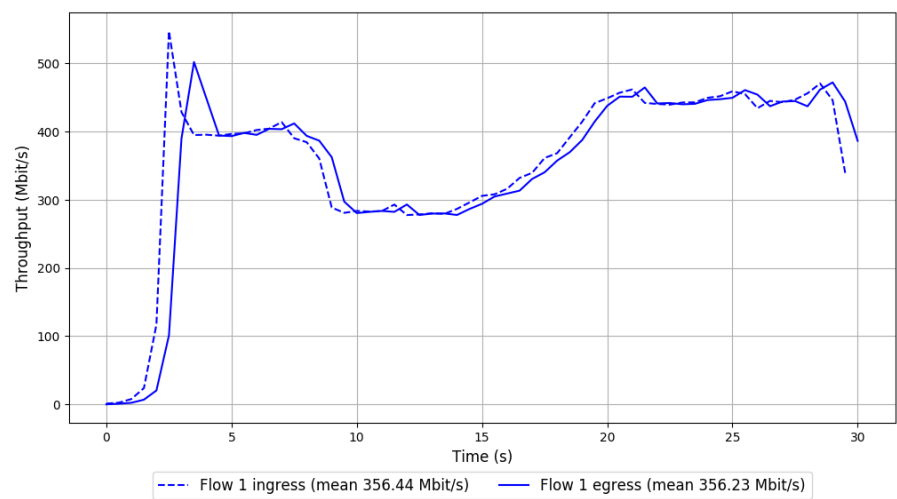
-- Flow 1:

Average throughput: 356.23 Mbit/s

95th percentile per-packet one-way delay: 51.857 ms

Loss rate: 0.06%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-06-01 06:52:52

End at: 2018-06-01 06:53:22

Local clock offset: 0.022 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-06-01 10:00:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 399.77 Mbit/s

95th percentile per-packet one-way delay: 54.444 ms

Loss rate: 0.12%

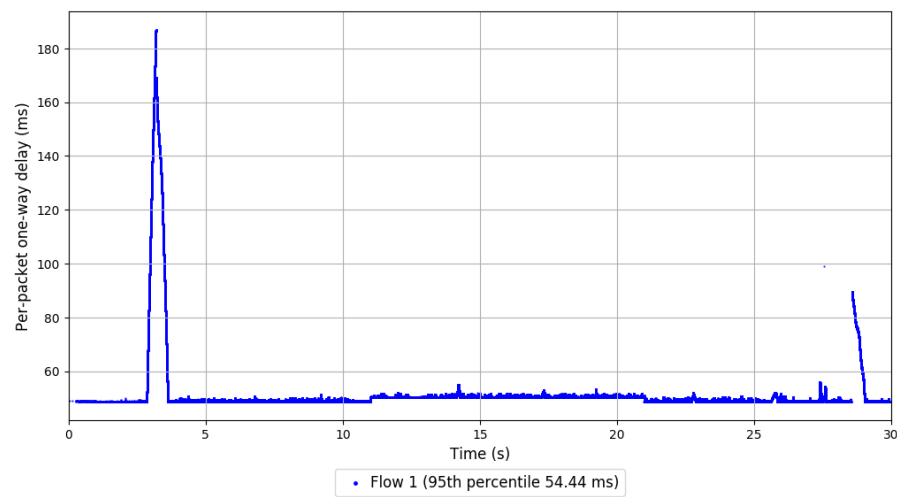
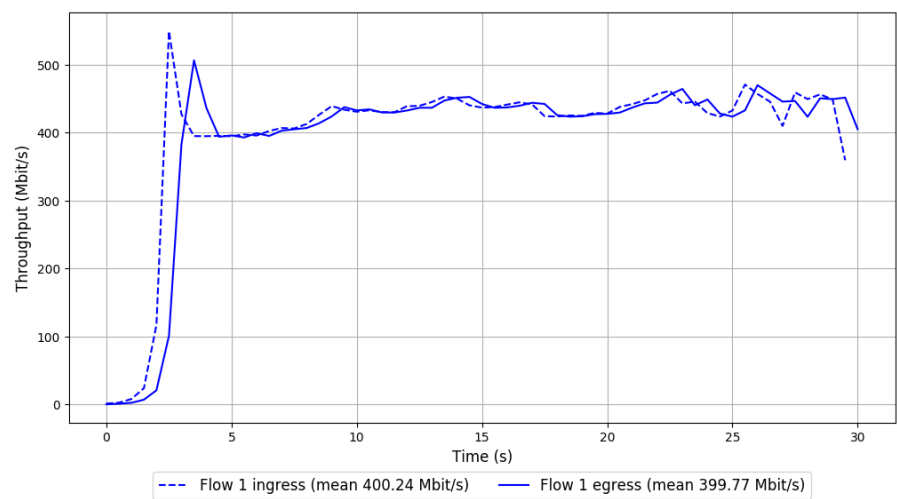
-- Flow 1:

Average throughput: 399.77 Mbit/s

95th percentile per-packet one-way delay: 54.444 ms

Loss rate: 0.12%

Run 6: Report of PCC-Vivace — Data Link

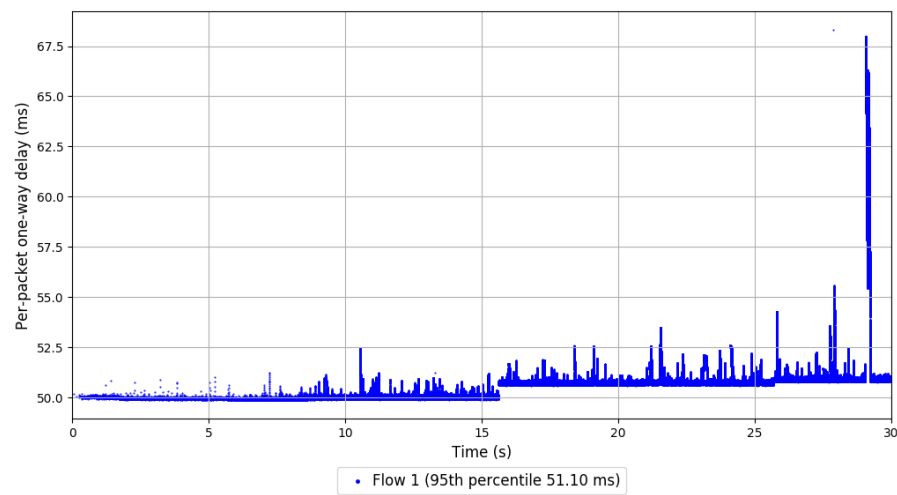
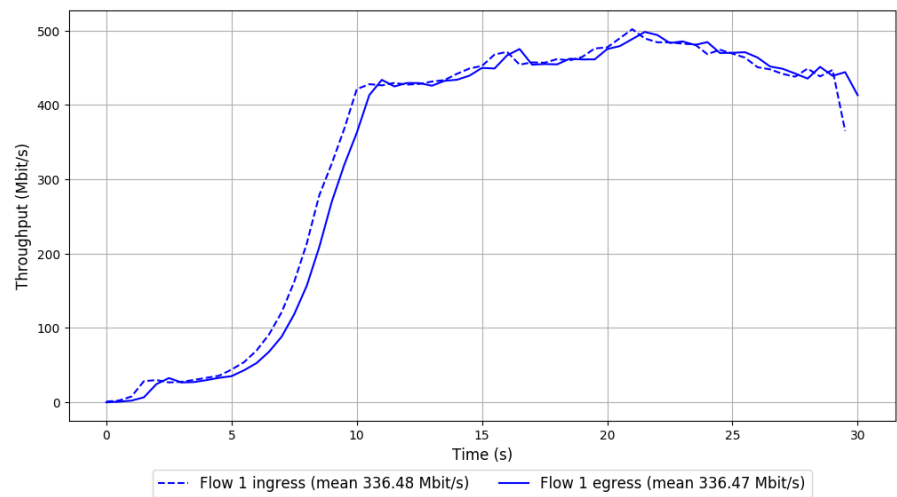


Run 7: Statistics of PCC-Vivace

Start at: 2018-06-01 07:13:39
End at: 2018-06-01 07:14:09
Local clock offset: -0.374 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-06-01 10:01:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 336.47 Mbit/s
95th percentile per-packet one-way delay: 51.096 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 336.47 Mbit/s
95th percentile per-packet one-way delay: 51.096 ms
Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link

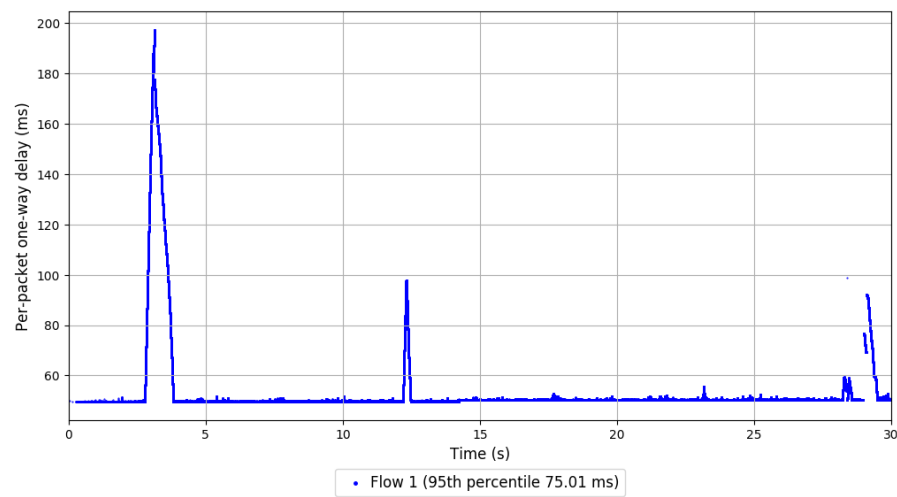
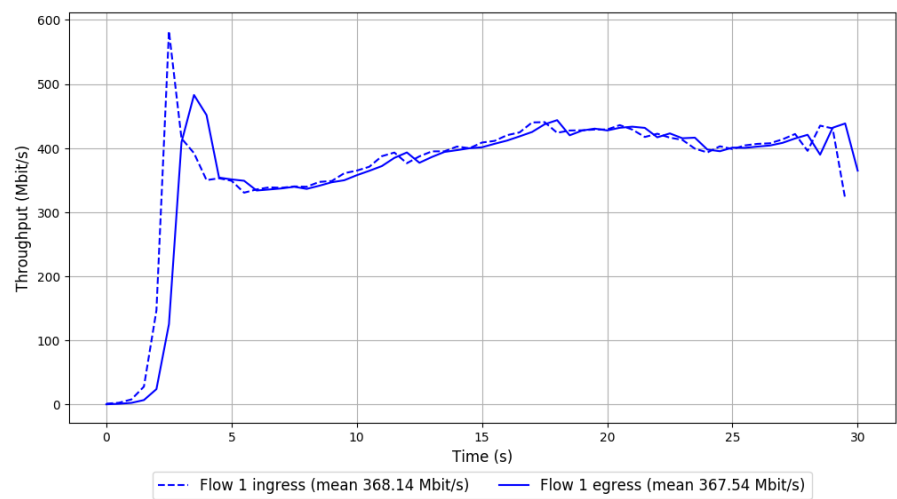


Run 8: Statistics of PCC-Vivace

Start at: 2018-06-01 07:34:00
End at: 2018-06-01 07:34:30
Local clock offset: 0.031 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-06-01 10:01:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 367.54 Mbit/s
95th percentile per-packet one-way delay: 75.012 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 367.54 Mbit/s
95th percentile per-packet one-way delay: 75.012 ms
Loss rate: 0.16%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-06-01 07:54:26

End at: 2018-06-01 07:54:56

Local clock offset: 0.004 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-06-01 10:01:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 376.60 Mbit/s

95th percentile per-packet one-way delay: 78.370 ms

Loss rate: 0.17%

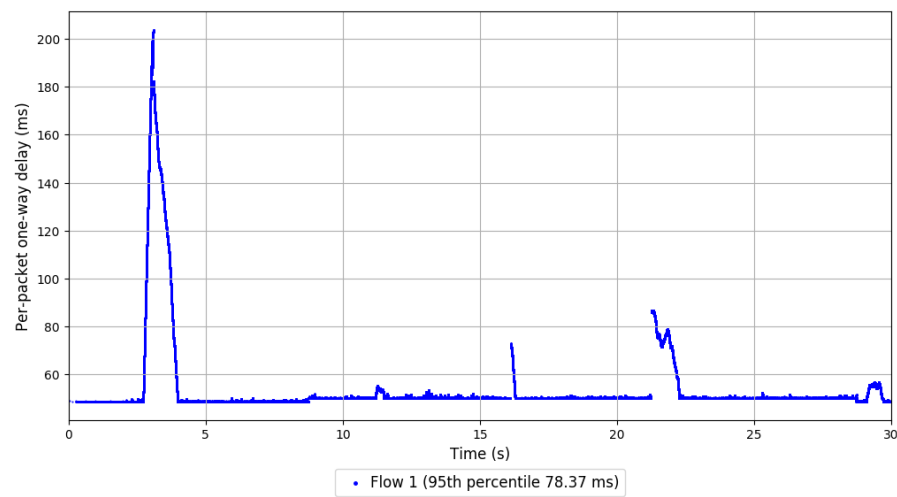
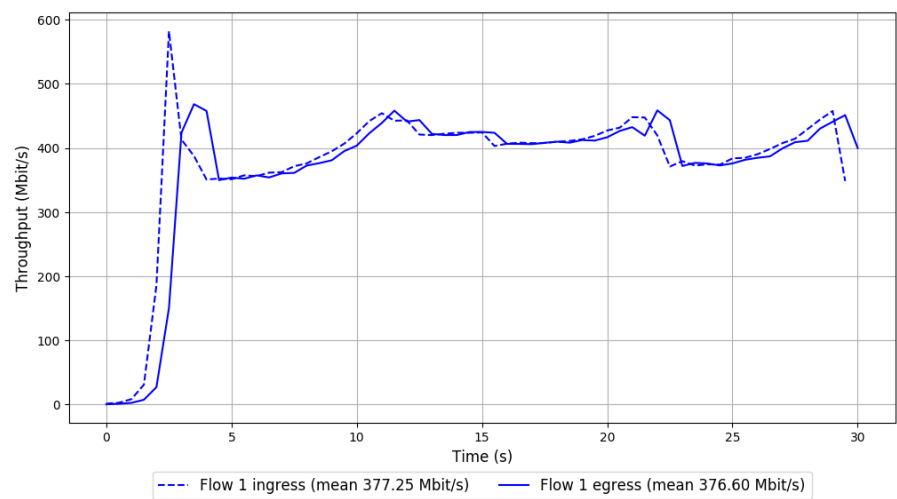
-- Flow 1:

Average throughput: 376.60 Mbit/s

95th percentile per-packet one-way delay: 78.370 ms

Loss rate: 0.17%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-06-01 08:15:08

End at: 2018-06-01 08:15:39

Local clock offset: 0.003 ms

Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-06-01 10:02:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 408.53 Mbit/s

95th percentile per-packet one-way delay: 66.662 ms

Loss rate: 0.11%

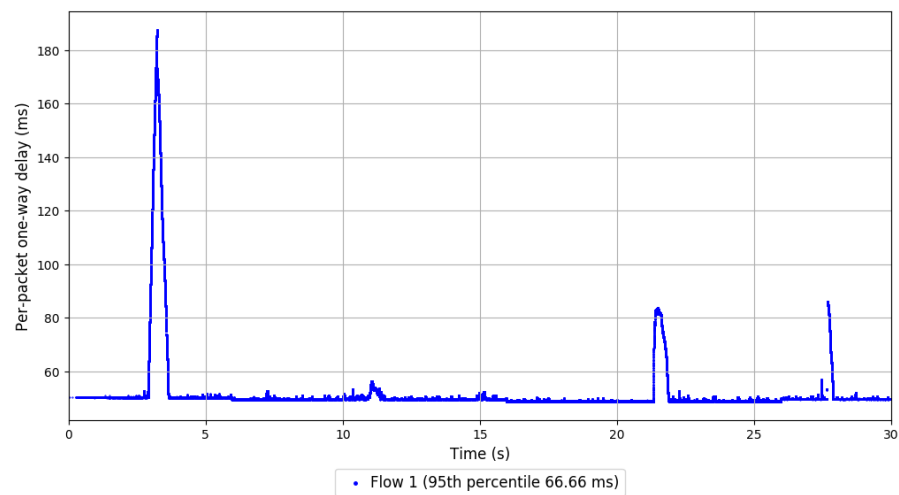
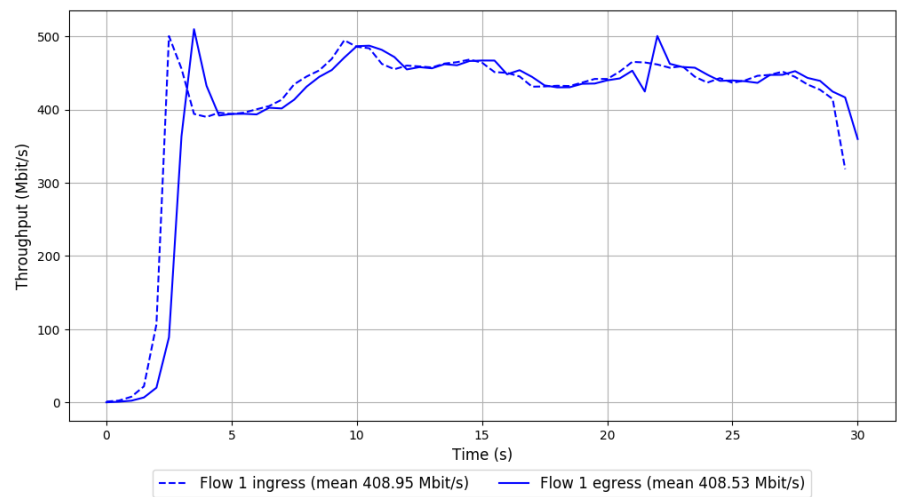
-- Flow 1:

Average throughput: 408.53 Mbit/s

95th percentile per-packet one-way delay: 66.662 ms

Loss rate: 0.11%

Run 10: Report of PCC-Vivace — Data Link

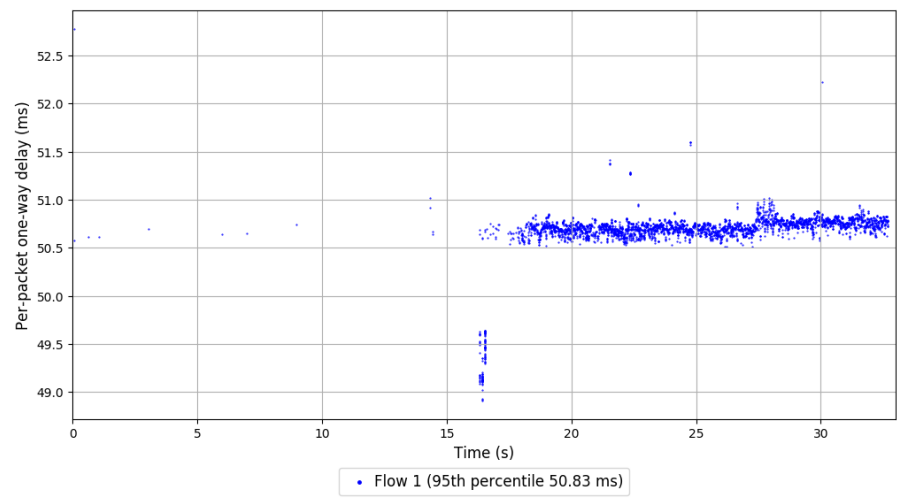
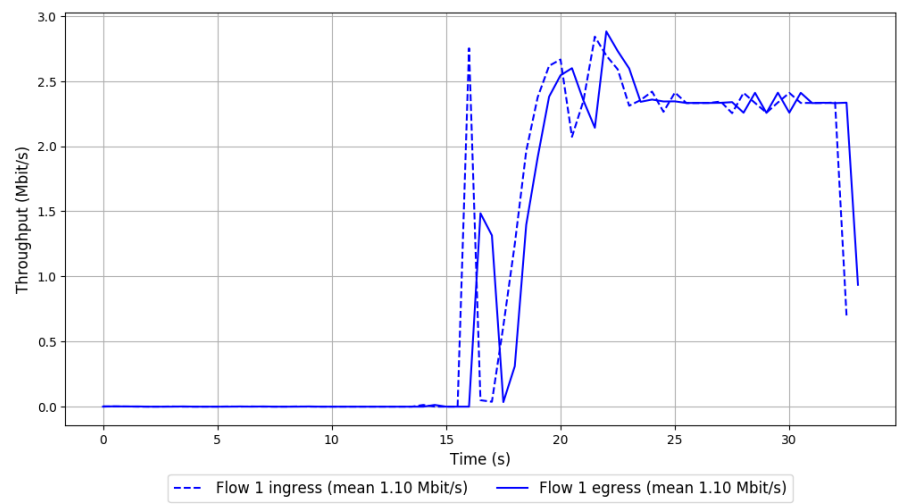


```
Run 1: Statistics of WebRTC media

Start at: 2018-06-01 05:11:28
End at: 2018-06-01 05:11:58
Local clock offset: 0.025 ms
Remote clock offset: -0.054 ms

# Below is generated by plot.py at 2018-06-01 10:02:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.10 Mbit/s
95th percentile per-packet one-way delay: 50.825 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.10 Mbit/s
95th percentile per-packet one-way delay: 50.825 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

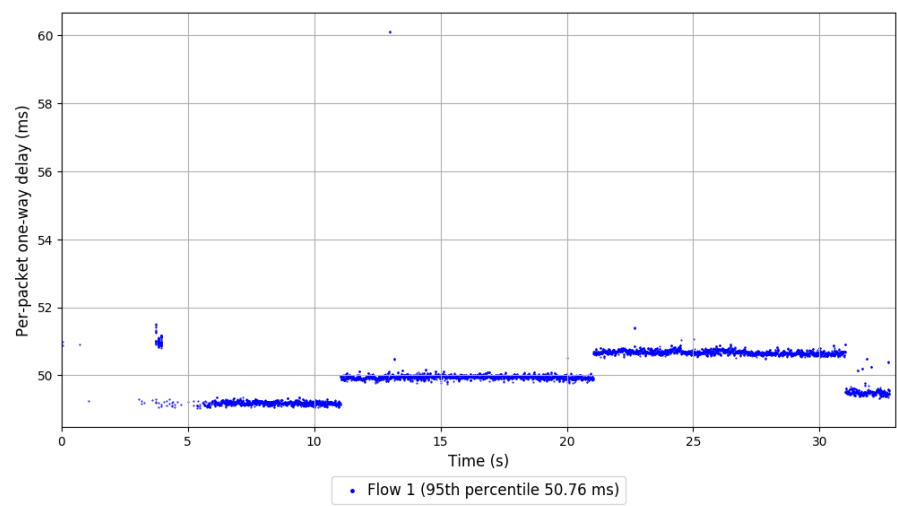
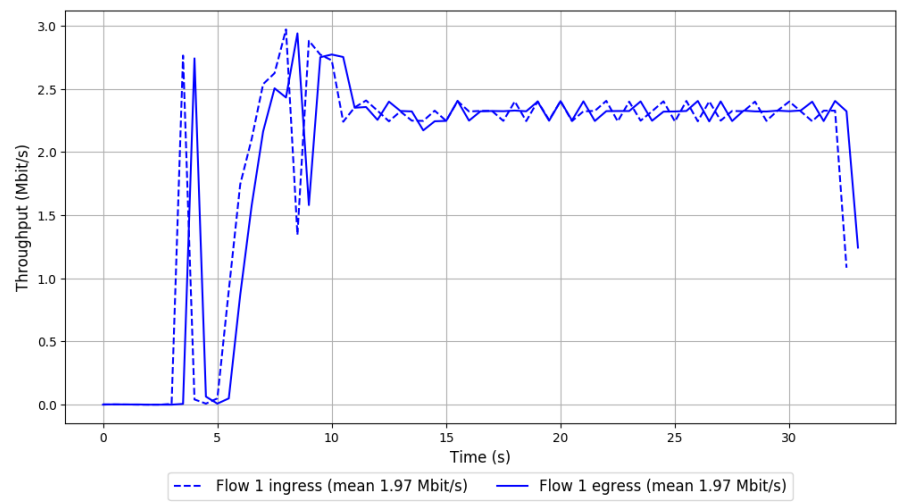


Run 2: Statistics of WebRTC media

Start at: 2018-06-01 05:31:56
End at: 2018-06-01 05:32:26
Local clock offset: -0.315 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-06-01 10:02:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 50.764 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 50.764 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

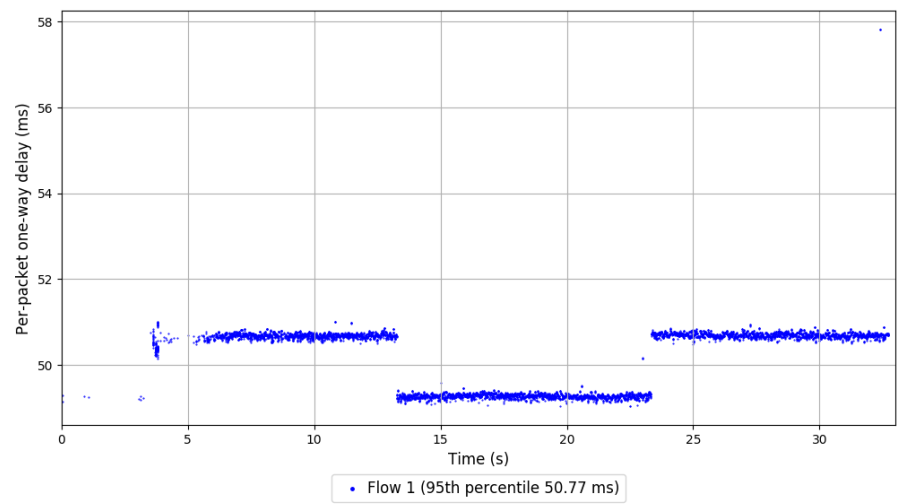
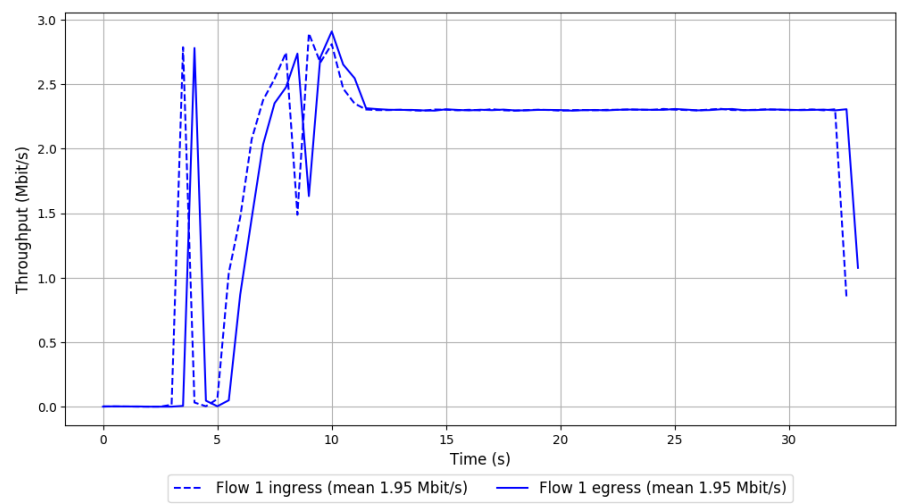


Run 3: Statistics of WebRTC media

Start at: 2018-06-01 05:52:24
End at: 2018-06-01 05:52:54
Local clock offset: -0.289 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-06-01 10:02:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 50.766 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 50.766 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

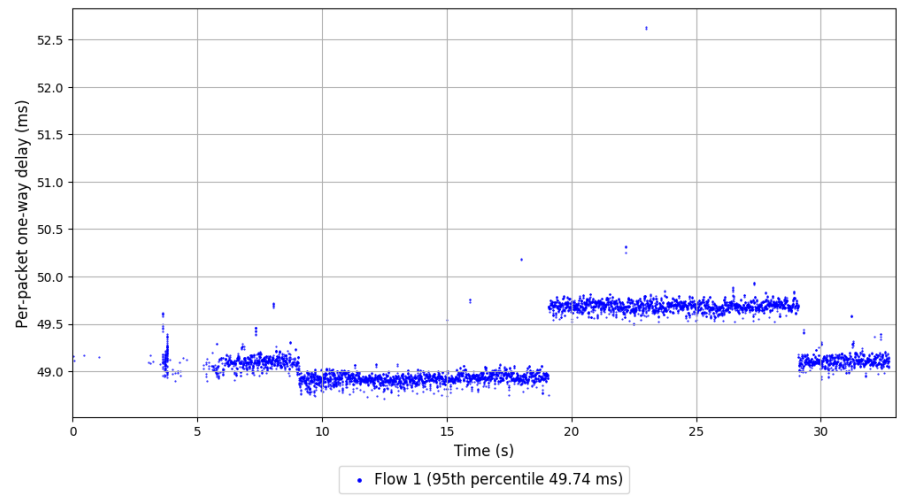
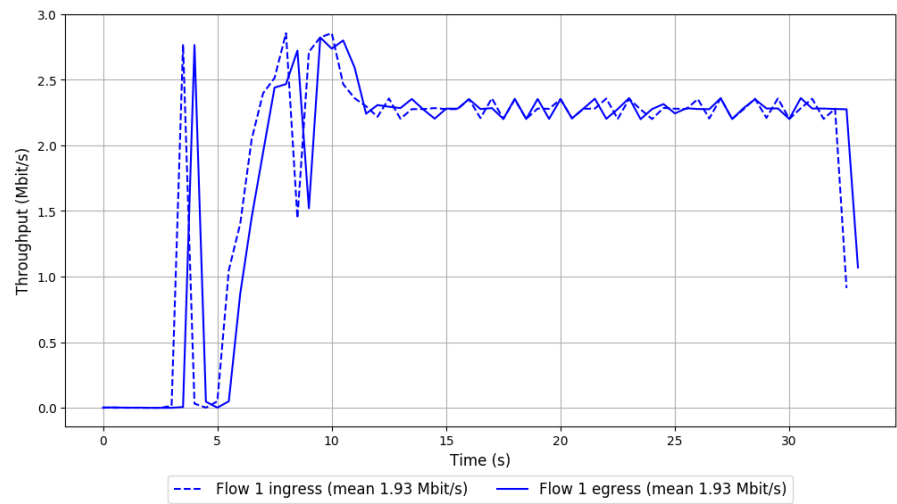


Run 4: Statistics of WebRTC media

Start at: 2018-06-01 06:13:07
End at: 2018-06-01 06:13:37
Local clock offset: 0.118 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-06-01 10:02:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 49.741 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 49.741 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-06-01 06:33:51

End at: 2018-06-01 06:34:21

Local clock offset: 0.056 ms

Remote clock offset: 0.057 ms

Below is generated by plot.py at 2018-06-01 10:02:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 50.751 ms

Loss rate: 0.00%

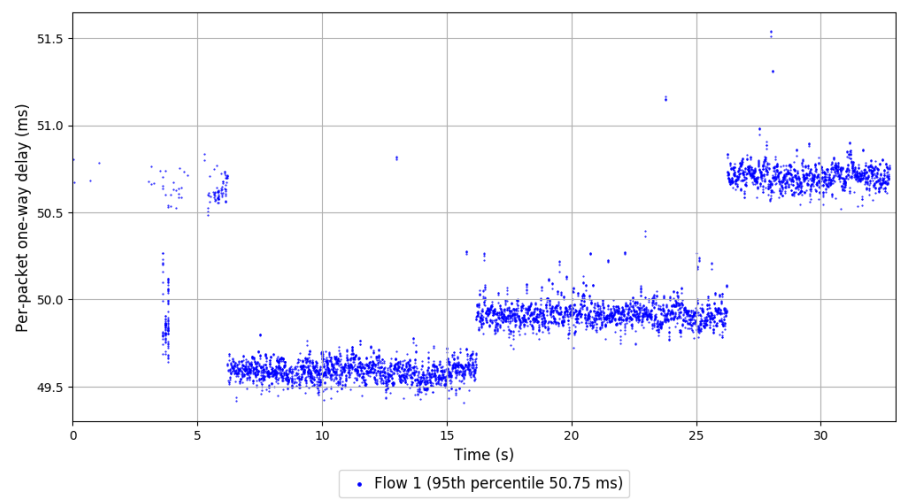
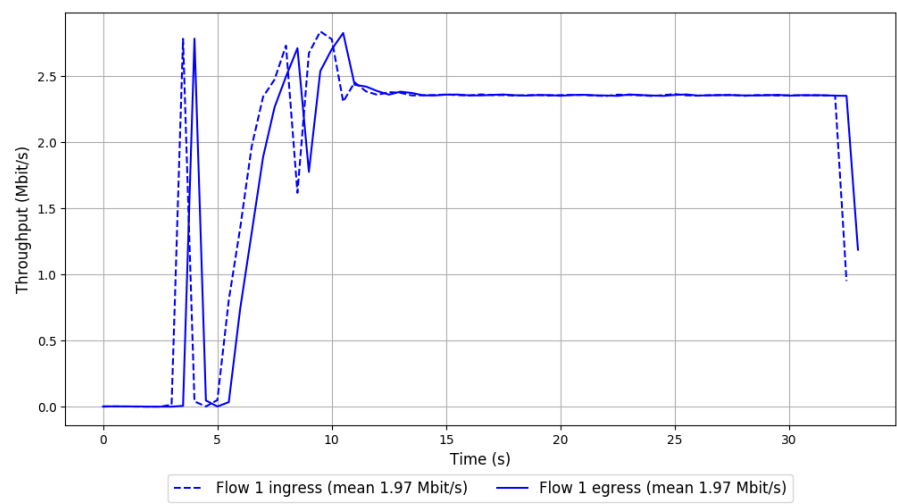
-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 50.751 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-06-01 06:54:22

End at: 2018-06-01 06:54:52

Local clock offset: 0.012 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-06-01 10:02:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 50.457 ms

Loss rate: 0.00%

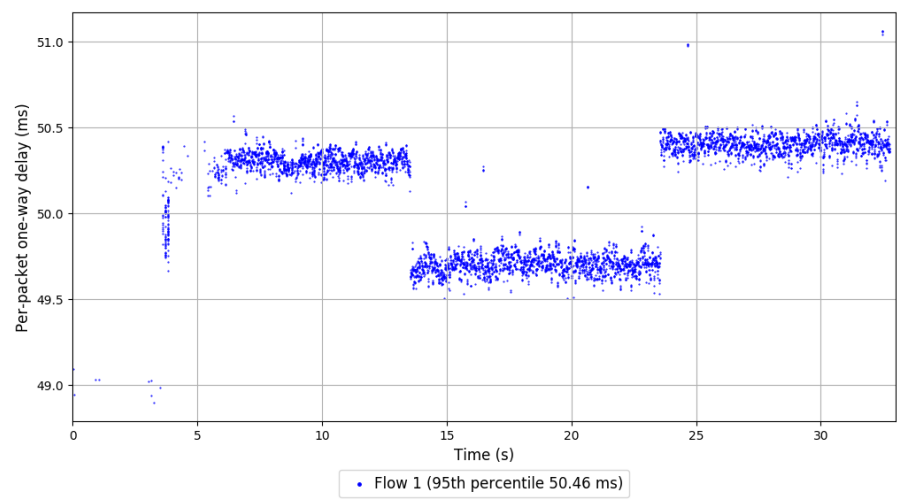
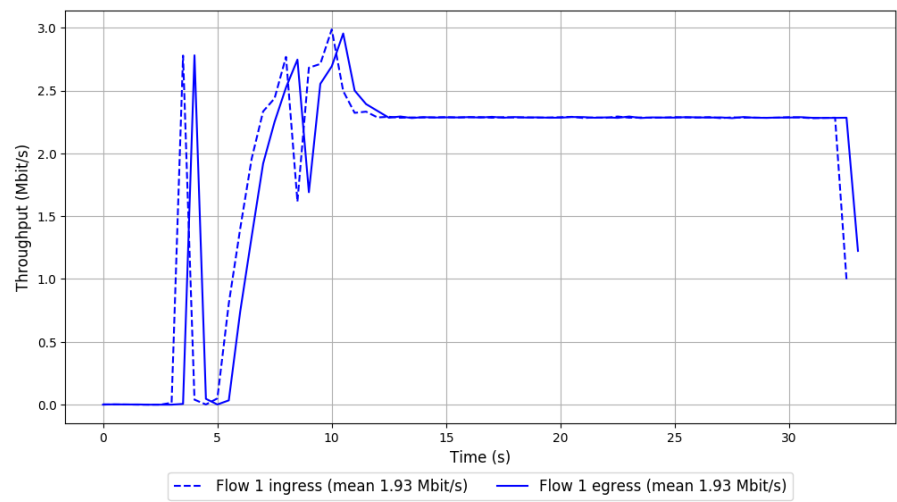
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 50.457 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-06-01 07:15:05

End at: 2018-06-01 07:15:35

Local clock offset: 0.045 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-06-01 10:02:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 50.707 ms

Loss rate: 0.00%

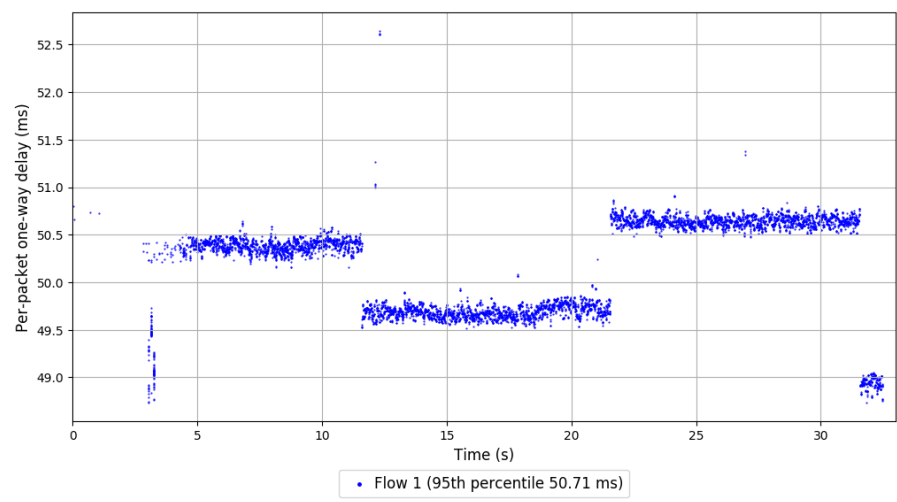
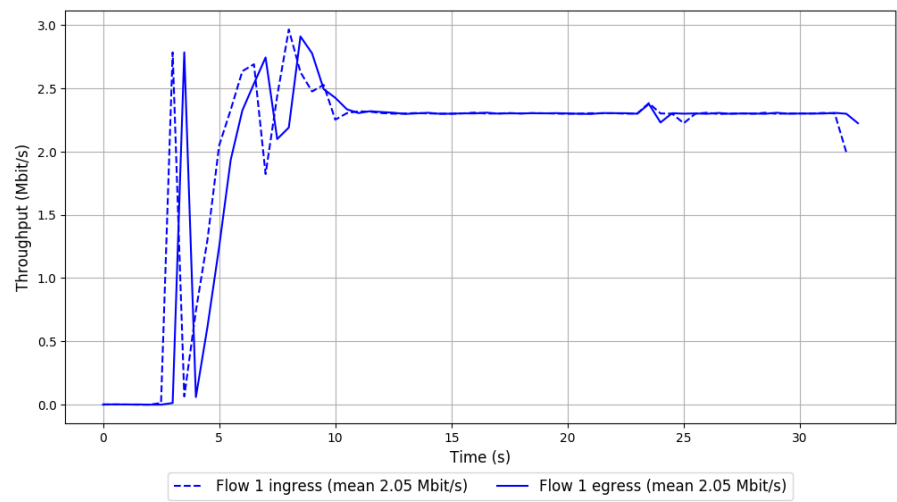
-- Flow 1:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 50.707 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

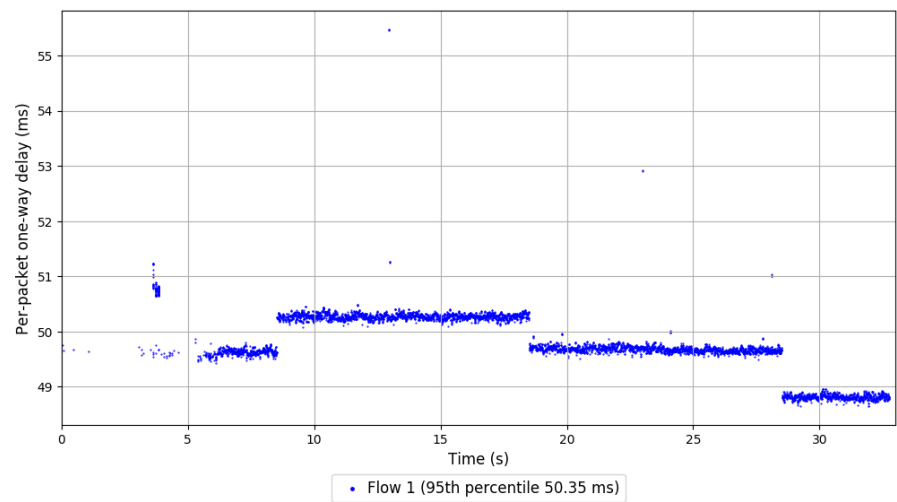
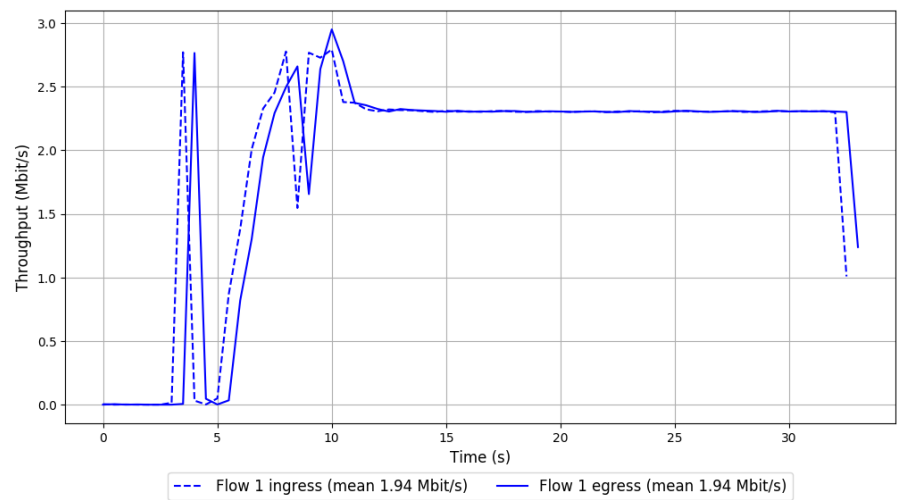


Run 8: Statistics of WebRTC media

Start at: 2018-06-01 07:35:29
End at: 2018-06-01 07:35:59
Local clock offset: -0.01 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-06-01 10:02:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 50.346 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 50.346 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

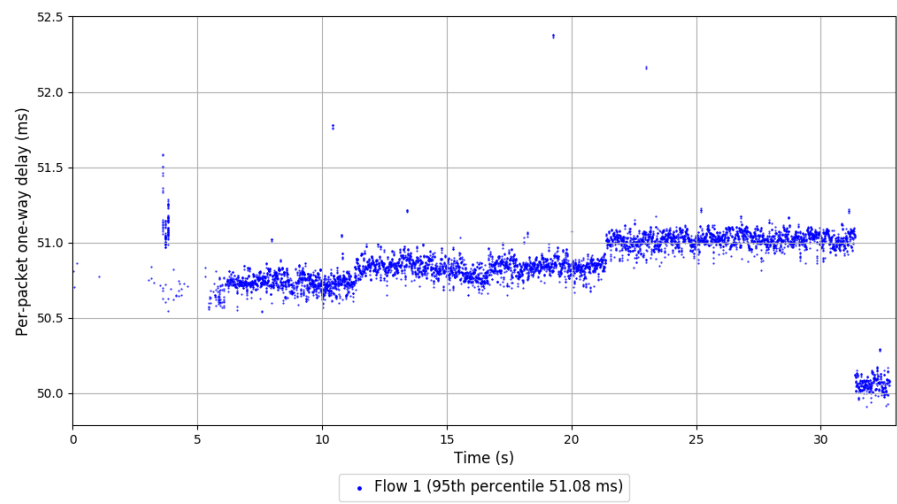
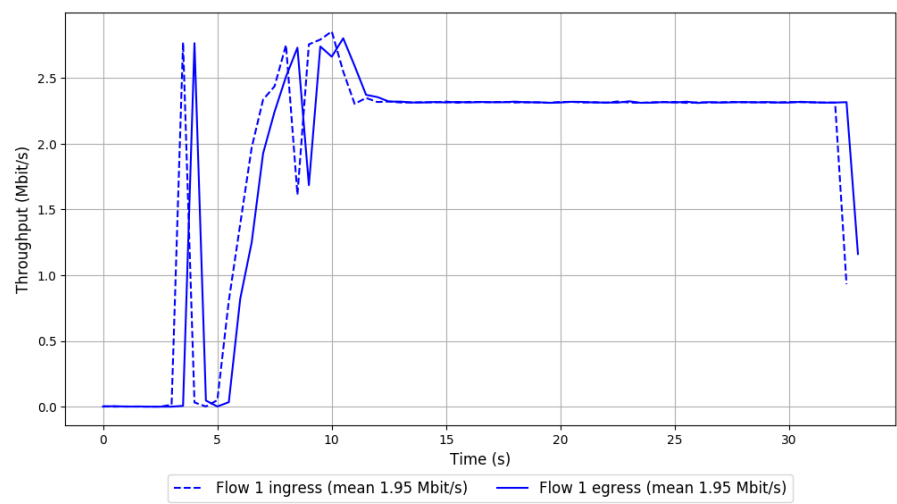


Run 9: Statistics of WebRTC media

Start at: 2018-06-01 07:55:54
End at: 2018-06-01 07:56:24
Local clock offset: -0.418 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-06-01 10:02:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 51.077 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 51.077 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-01 08:16:40
End at: 2018-06-01 08:17:10
Local clock offset: -0.391 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-06-01 10:02:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 50.864 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 50.864 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

