

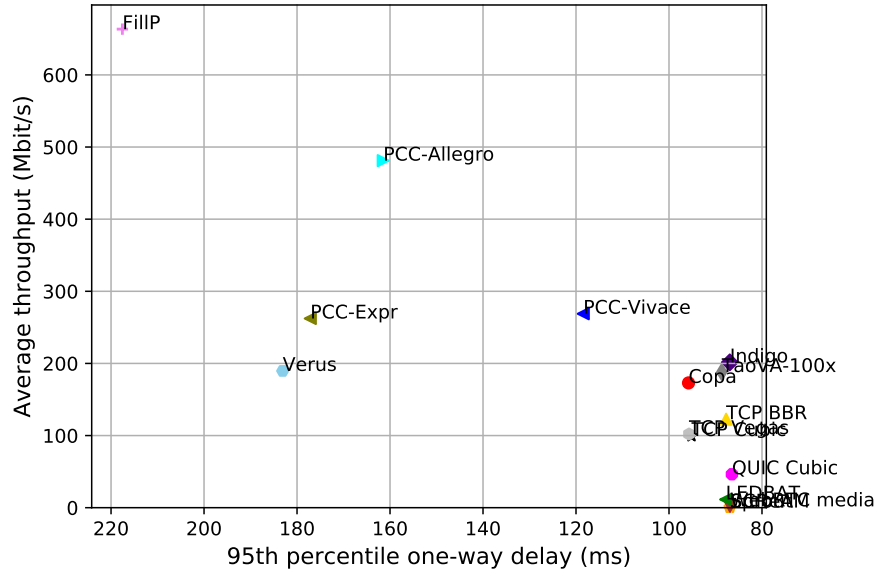
Pantheon Report

Generated at 2018-06-29 16:36:05 (UTC).
Data path: GCE Sydney Ethernet (*local*) → GCE Iowa Ethernet (*remote*).
Repeated the test of 17 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
NTP offsets were measured against `time.google.com` and have been applied
to correct the timestamps in logs.

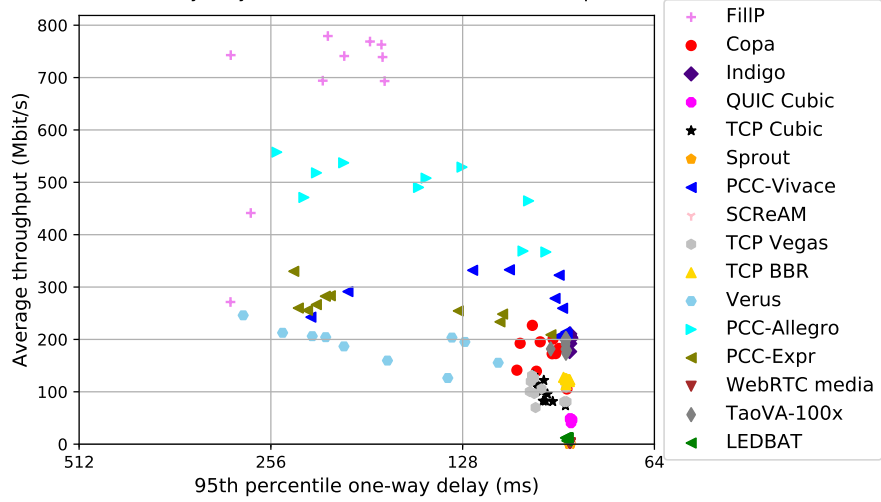
Git summary:

```
branch: master @ 715dc5f09d172e419699f6f17f1cb4c45064f212
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 30060ab034deb3424347f5cc3db86198eac35d2a
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



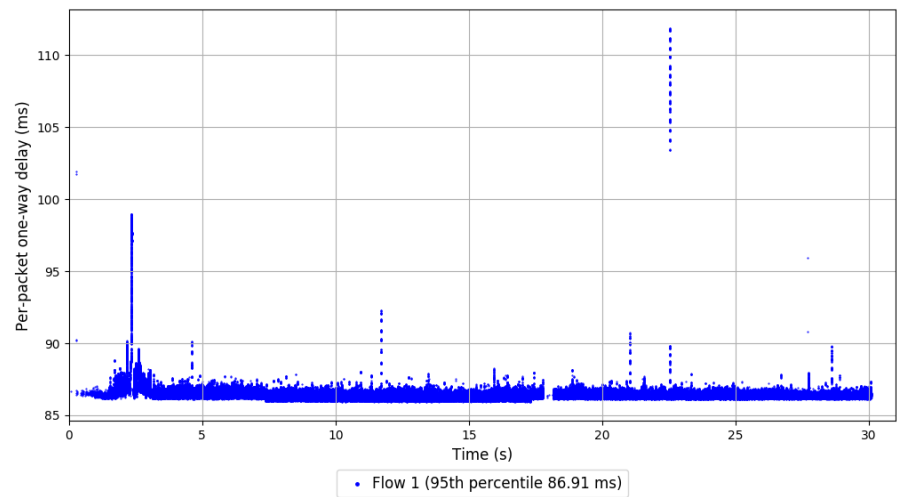
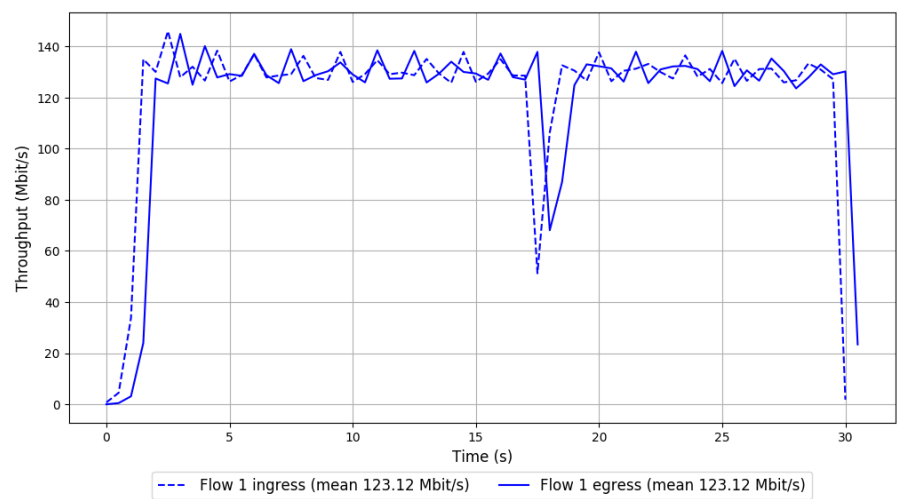
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	122.70	87.71	0.00
Copa	10	172.99	95.80	0.01
TCP Cubic	10	99.38	95.15	0.00
FillP	10	663.45	217.56	5.15
FillP-Sheep	0	N/A	N/A	N/A
Indigo	10	201.48	86.92	0.00
LEDBAT	10	11.40	87.81	0.00
PCC-Allegro	10	481.15	161.46	1.10
PCC-Expr	10	262.30	177.16	3.61
QUIC Cubic	9	46.35	86.47	0.00
SCReAM	10	0.22	86.78	0.00
Sprout	10	0.26	86.92	0.00
TaoVA-100x	10	188.05	88.65	0.00
TCP Vegas	10	102.07	95.70	0.00
Verus	10	189.61	183.09	0.93
PCC-Vivace	10	268.85	118.45	0.14
WebRTC media	10	1.86	86.87	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-06-29 11:43:17
End at: 2018-06-29 11:43:47
Local clock offset: -0.437 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-06-29 15:19:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 123.12 Mbit/s
95th percentile per-packet one-way delay: 86.911 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 123.12 Mbit/s
95th percentile per-packet one-way delay: 86.911 ms
Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-06-29 12:05:11

End at: 2018-06-29 12:05:41

Local clock offset: -1.017 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-06-29 15:19:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.06 Mbit/s

95th percentile per-packet one-way delay: 88.215 ms

Loss rate: 0.00%

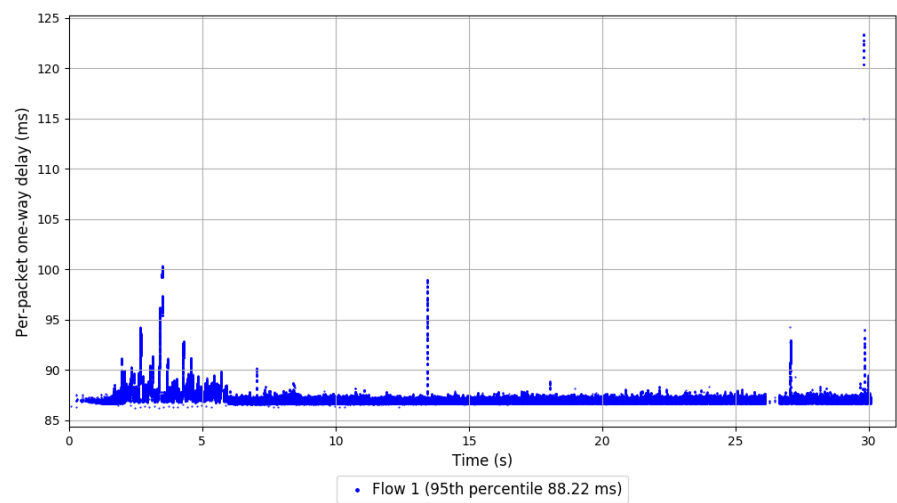
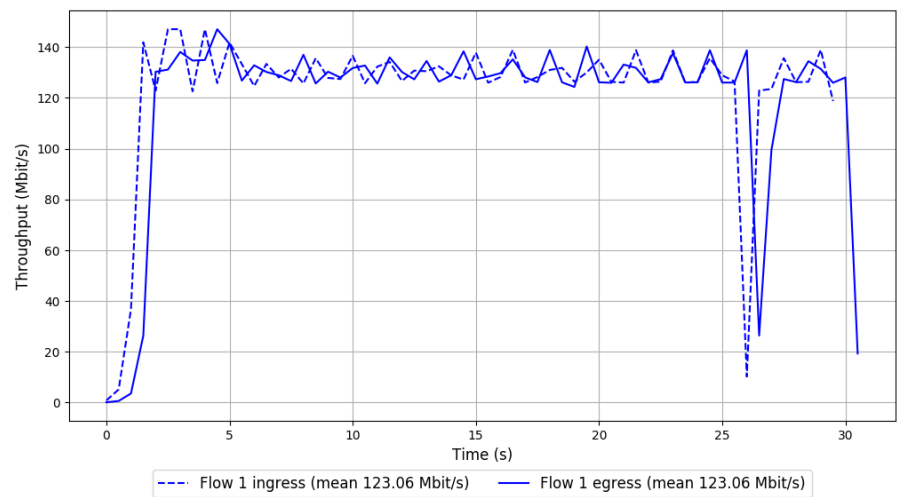
-- Flow 1:

Average throughput: 123.06 Mbit/s

95th percentile per-packet one-way delay: 88.215 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-06-29 12:26:49

End at: 2018-06-29 12:27:20

Local clock offset: -0.491 ms

Remote clock offset: 0.165 ms

Below is generated by plot.py at 2018-06-29 15:19:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 122.80 Mbit/s

95th percentile per-packet one-way delay: 87.238 ms

Loss rate: 0.00%

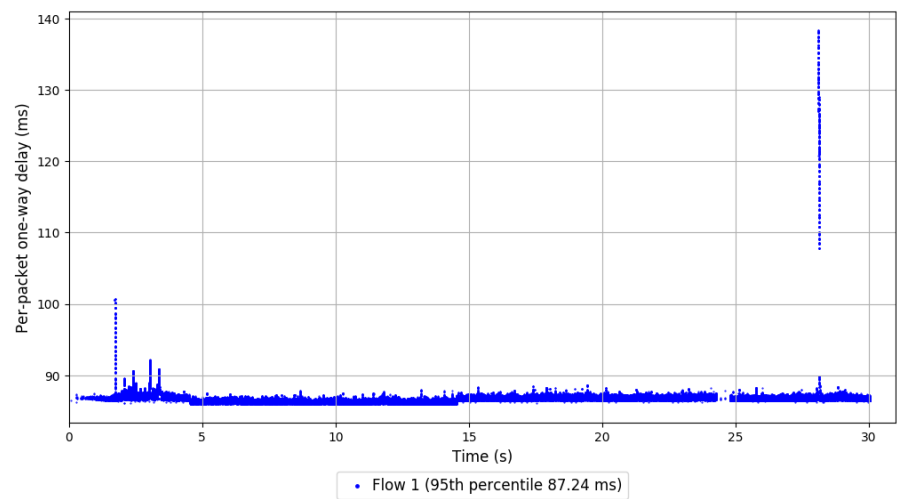
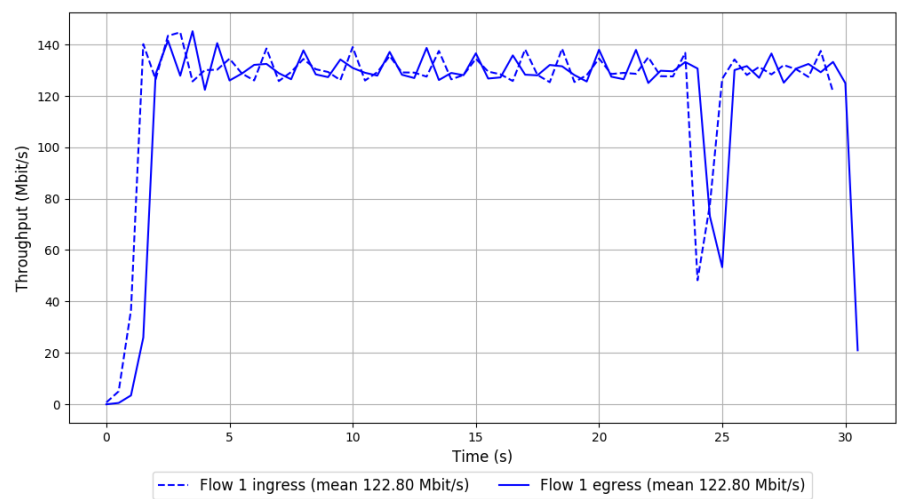
-- Flow 1:

Average throughput: 122.80 Mbit/s

95th percentile per-packet one-way delay: 87.238 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-06-29 12:48:48

End at: 2018-06-29 12:49:18

Local clock offset: -0.182 ms

Remote clock offset: 0.121 ms

Below is generated by plot.py at 2018-06-29 15:19:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.27 Mbit/s

95th percentile per-packet one-way delay: 87.137 ms

Loss rate: 0.00%

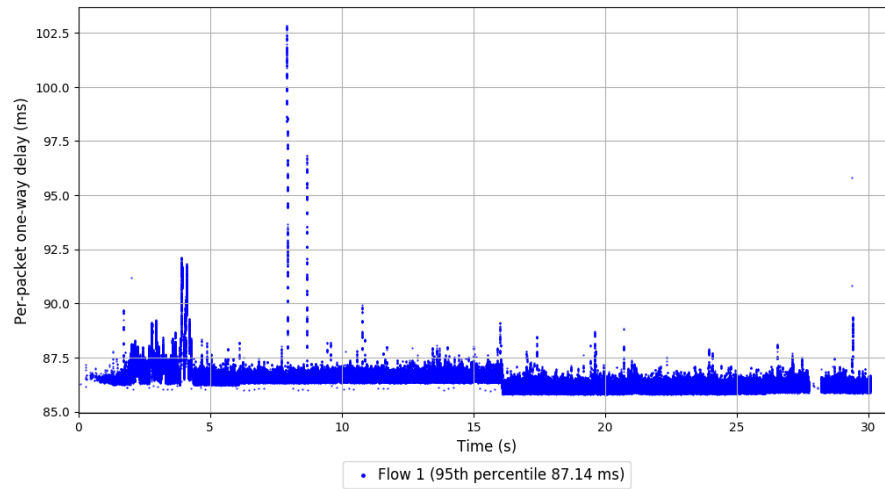
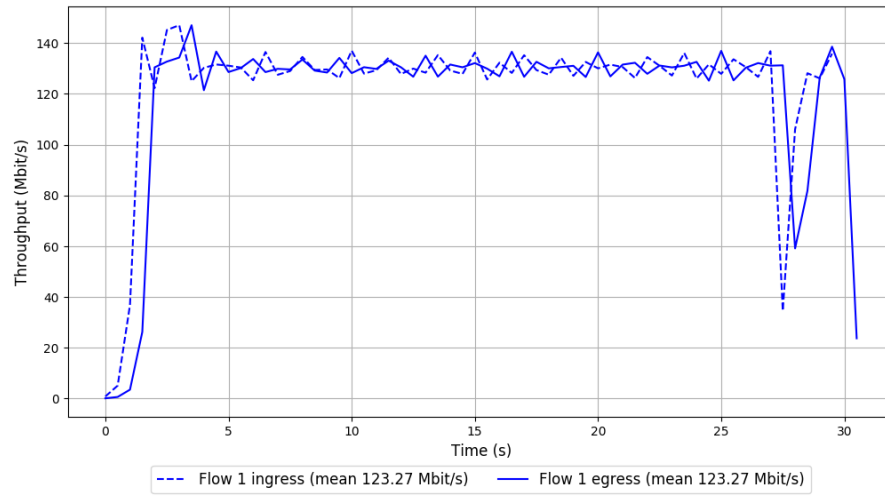
-- Flow 1:

Average throughput: 123.27 Mbit/s

95th percentile per-packet one-way delay: 87.137 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-06-29 13:10:38

End at: 2018-06-29 13:11:08

Local clock offset: -0.305 ms

Remote clock offset: 0.275 ms

Below is generated by plot.py at 2018-06-29 15:19:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.23 Mbit/s

95th percentile per-packet one-way delay: 87.919 ms

Loss rate: 0.00%

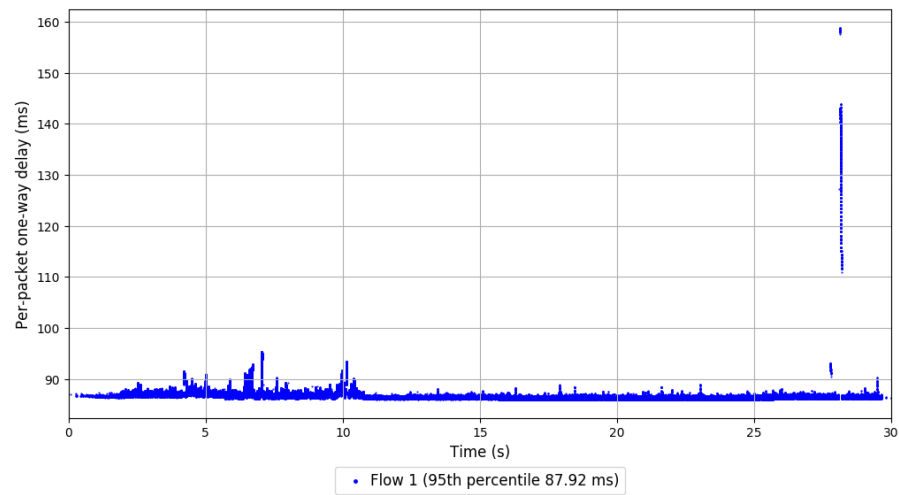
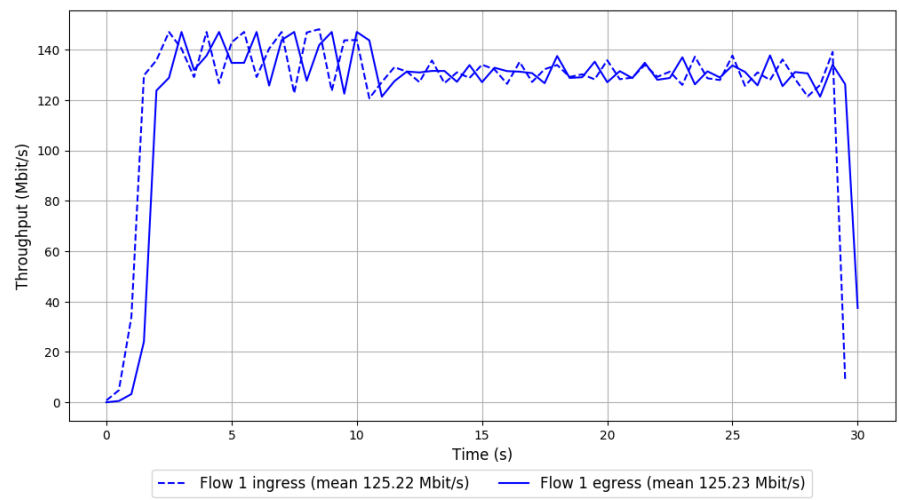
-- Flow 1:

Average throughput: 125.23 Mbit/s

95th percentile per-packet one-way delay: 87.919 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link

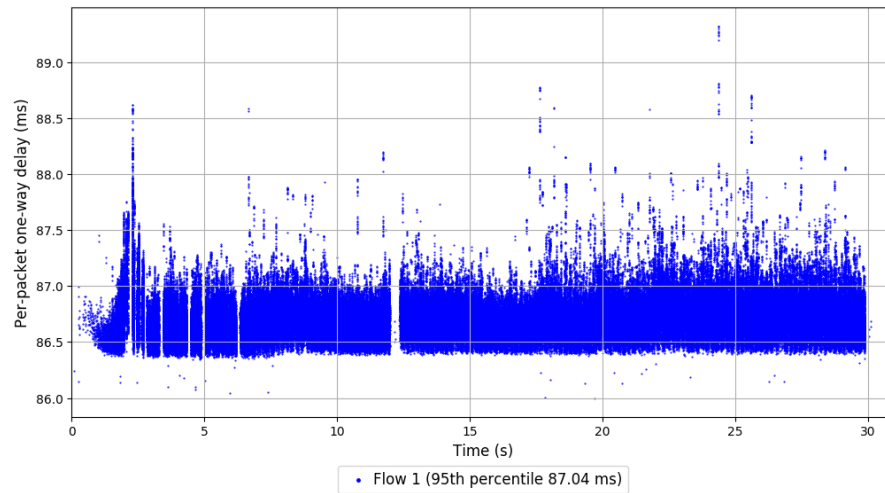
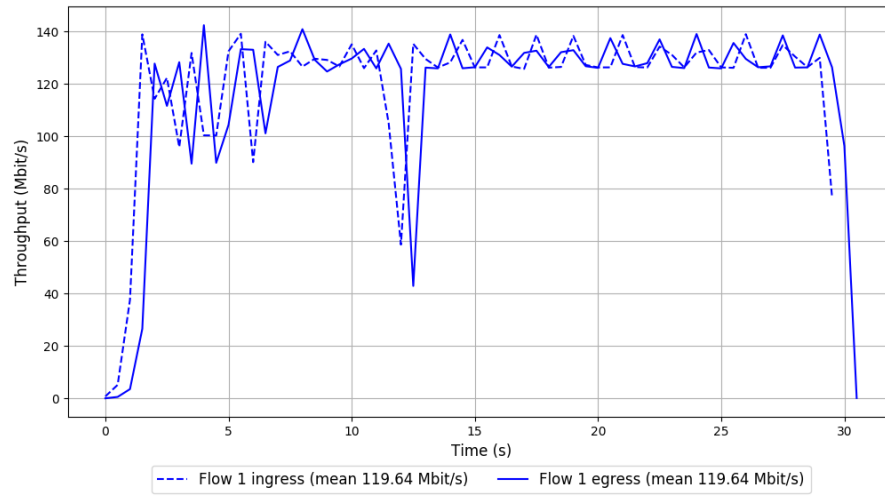


Run 6: Statistics of TCP BBR

Start at: 2018-06-29 13:32:26
End at: 2018-06-29 13:32:56
Local clock offset: -0.552 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-06-29 15:19:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 119.64 Mbit/s
95th percentile per-packet one-way delay: 87.038 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 119.64 Mbit/s
95th percentile per-packet one-way delay: 87.038 ms
Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

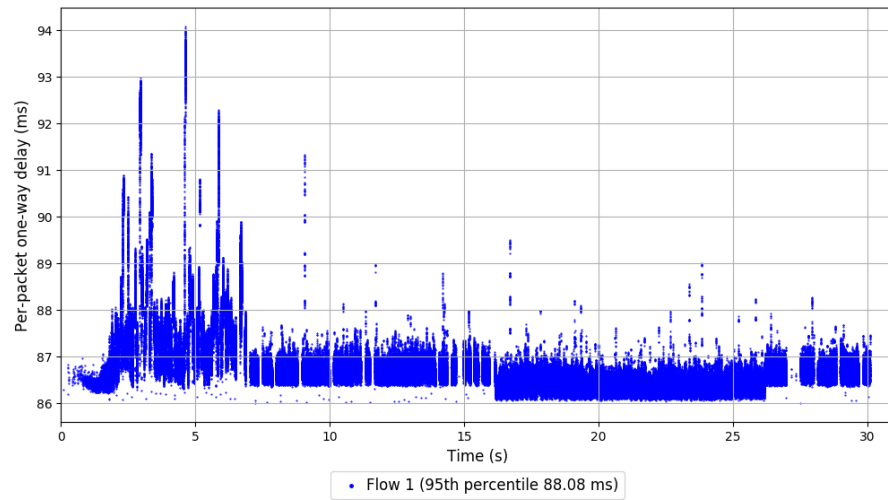
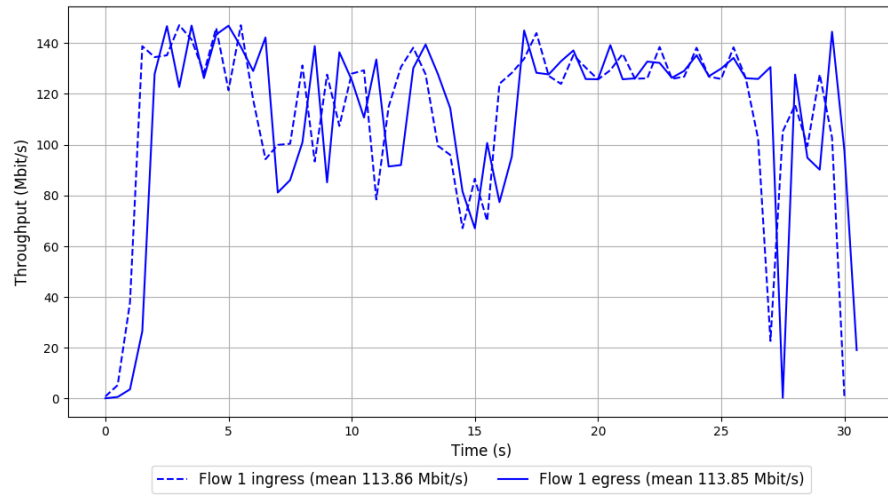


Run 7: Statistics of TCP BBR

Start at: 2018-06-29 13:54:18
End at: 2018-06-29 13:54:48
Local clock offset: -0.702 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-06-29 15:19:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 113.85 Mbit/s
95th percentile per-packet one-way delay: 88.084 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 113.85 Mbit/s
95th percentile per-packet one-way delay: 88.084 ms
Loss rate: 0.01%

Run 7: Report of TCP BBR — Data Link

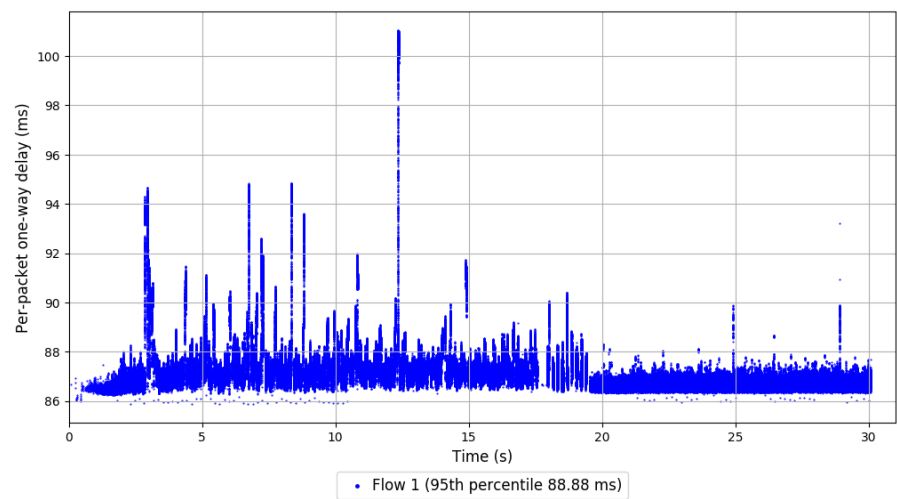
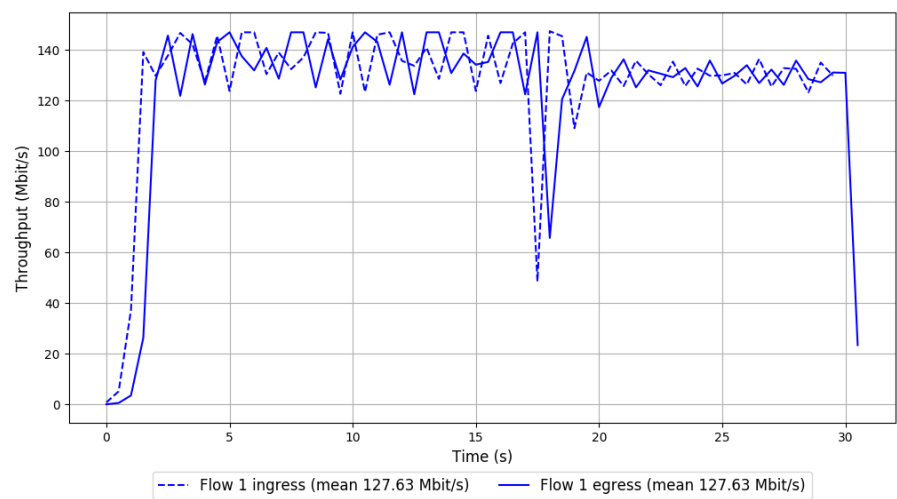


Run 8: Statistics of TCP BBR

Start at: 2018-06-29 14:16:14
End at: 2018-06-29 14:16:44
Local clock offset: -0.76 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-06-29 15:19:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 127.63 Mbit/s
95th percentile per-packet one-way delay: 88.880 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 127.63 Mbit/s
95th percentile per-packet one-way delay: 88.880 ms
Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link

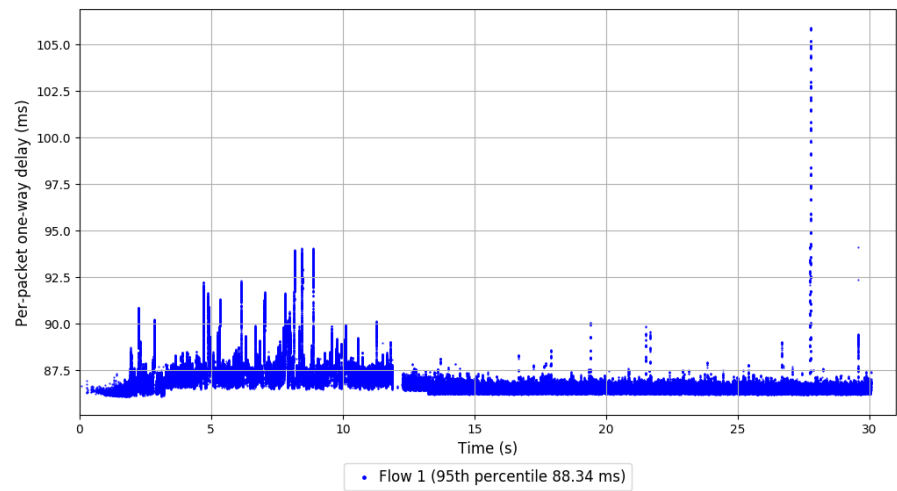
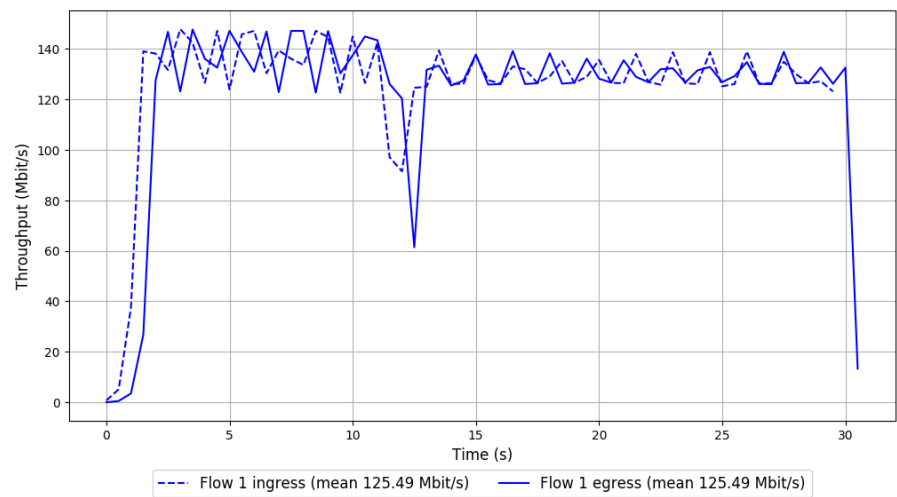


Run 9: Statistics of TCP BBR

Start at: 2018-06-29 14:38:01
End at: 2018-06-29 14:38:31
Local clock offset: 0.034 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-06-29 15:20:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 125.49 Mbit/s
95th percentile per-packet one-way delay: 88.343 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 125.49 Mbit/s
95th percentile per-packet one-way delay: 88.343 ms
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-06-29 14:59:52

End at: 2018-06-29 15:00:22

Local clock offset: 0.213 ms

Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-06-29 15:20:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 122.91 Mbit/s

95th percentile per-packet one-way delay: 87.350 ms

Loss rate: 0.00%

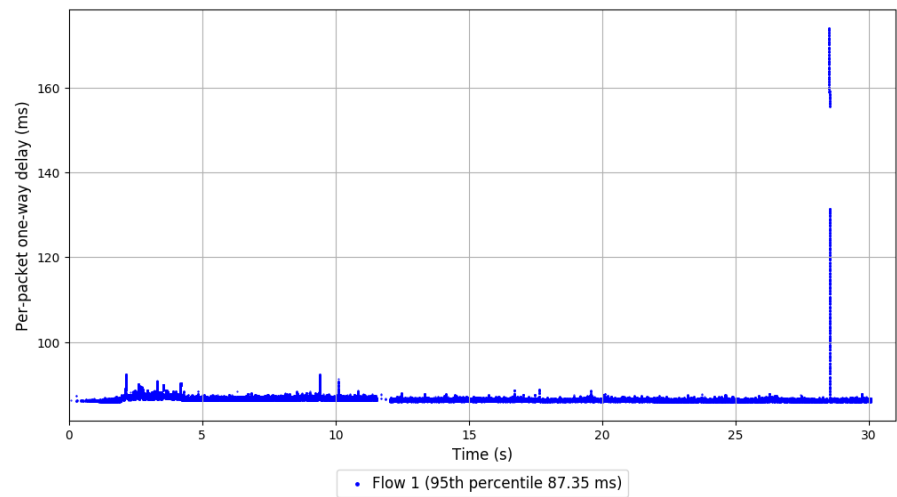
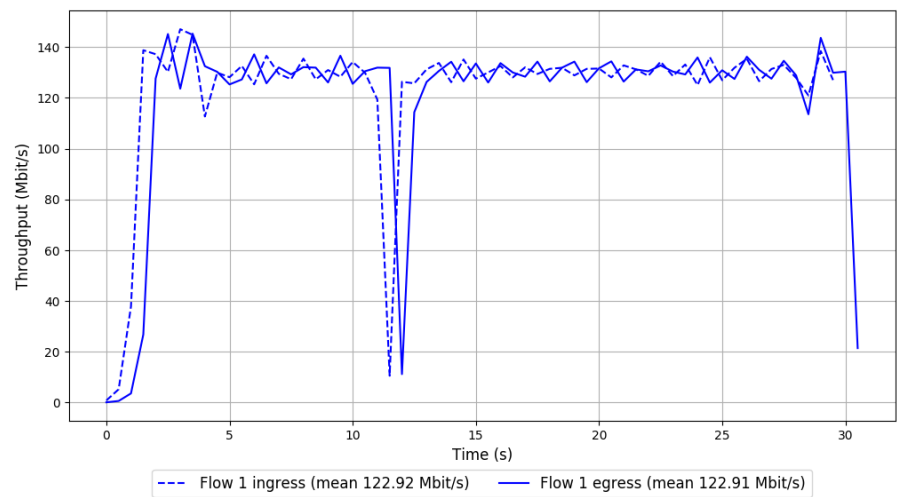
-- Flow 1:

Average throughput: 122.91 Mbit/s

95th percentile per-packet one-way delay: 87.350 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

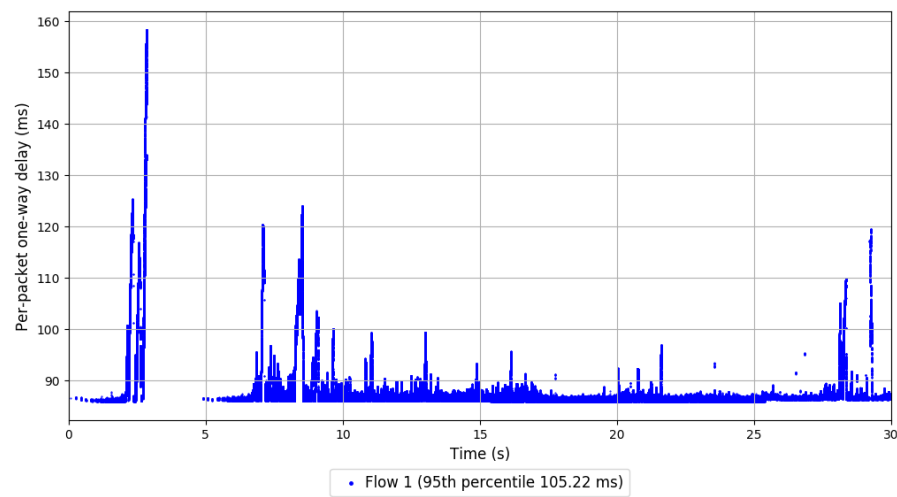
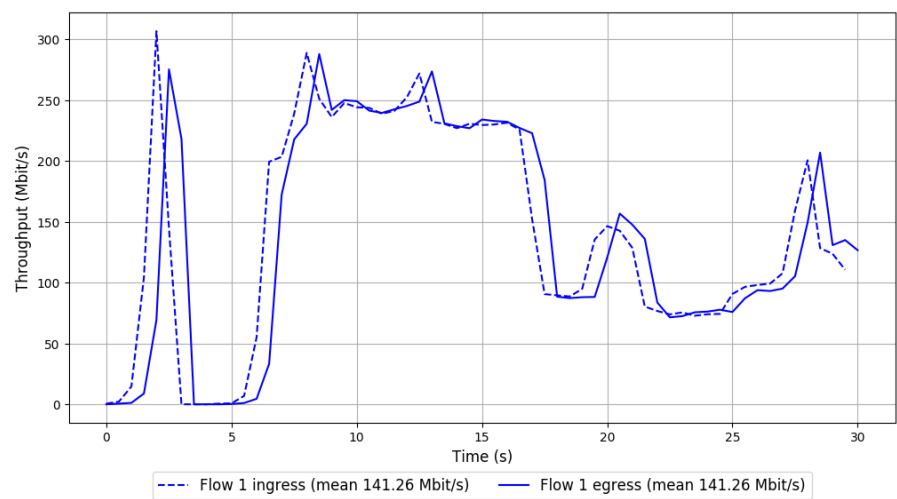


Run 1: Statistics of Copa

Start at: 2018-06-29 11:39:39
End at: 2018-06-29 11:40:09
Local clock offset: -0.275 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-06-29 15:23:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 141.26 Mbit/s
95th percentile per-packet one-way delay: 105.217 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 141.26 Mbit/s
95th percentile per-packet one-way delay: 105.217 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-06-29 12:01:31

End at: 2018-06-29 12:02:01

Local clock offset: -1.064 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2018-06-29 15:24:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.65 Mbit/s

95th percentile per-packet one-way delay: 92.620 ms

Loss rate: 0.00%

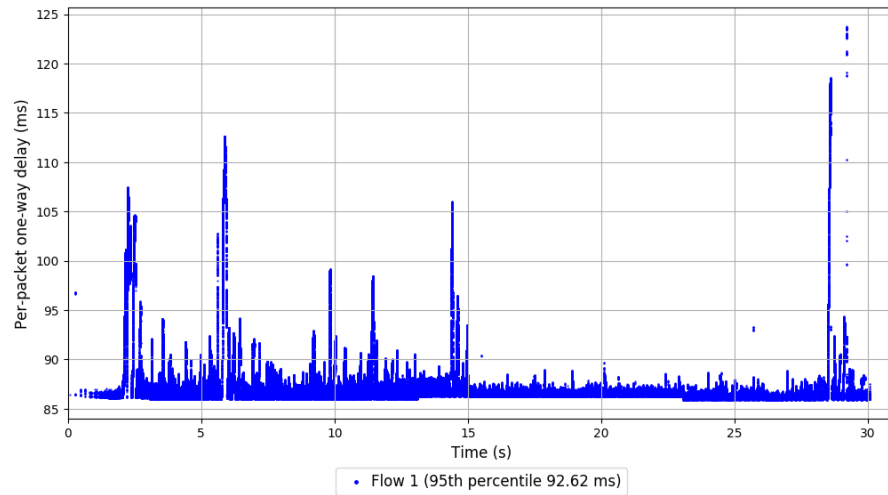
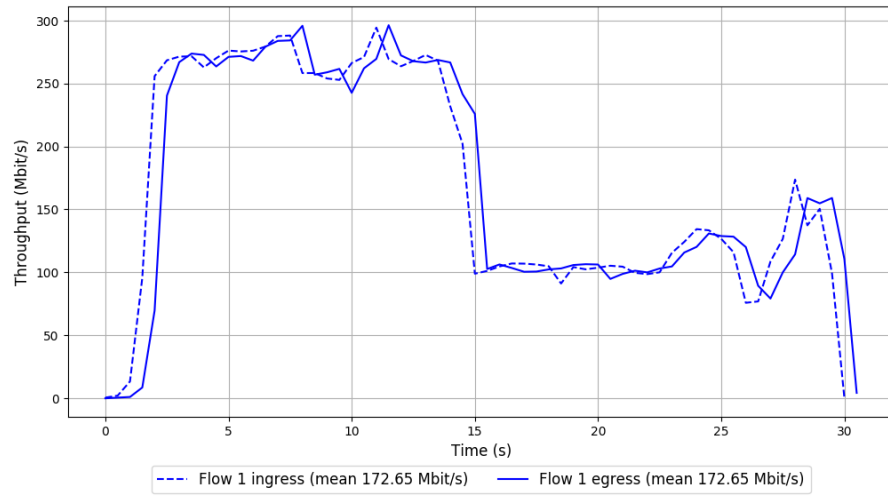
-- Flow 1:

Average throughput: 172.65 Mbit/s

95th percentile per-packet one-way delay: 92.620 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-06-29 12:23:03

End at: 2018-06-29 12:23:33

Local clock offset: -0.404 ms

Remote clock offset: 0.112 ms

Below is generated by plot.py at 2018-06-29 15:25:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.74 Mbit/s

95th percentile per-packet one-way delay: 92.318 ms

Loss rate: 0.00%

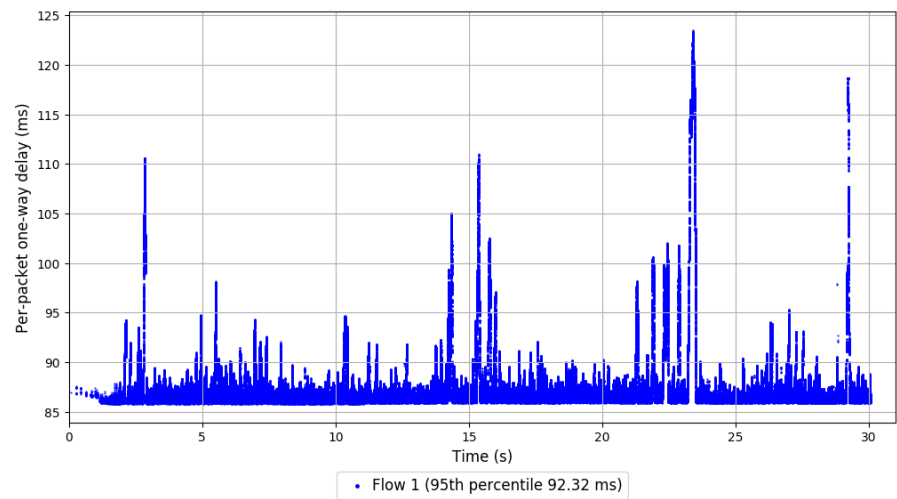
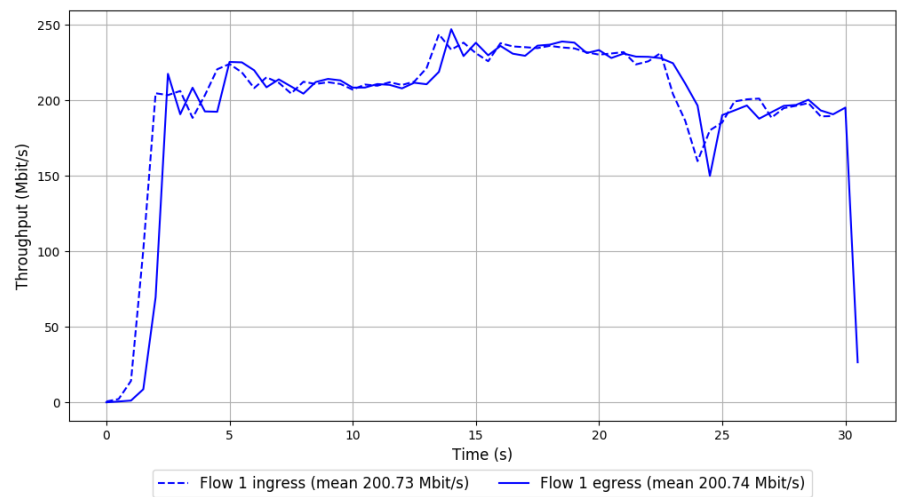
-- Flow 1:

Average throughput: 200.74 Mbit/s

95th percentile per-packet one-way delay: 92.318 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-06-29 12:45:04

End at: 2018-06-29 12:45:34

Local clock offset: -0.322 ms

Remote clock offset: 0.19 ms

Below is generated by plot.py at 2018-06-29 15:25:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 195.42 Mbit/s

95th percentile per-packet one-way delay: 96.704 ms

Loss rate: 0.00%

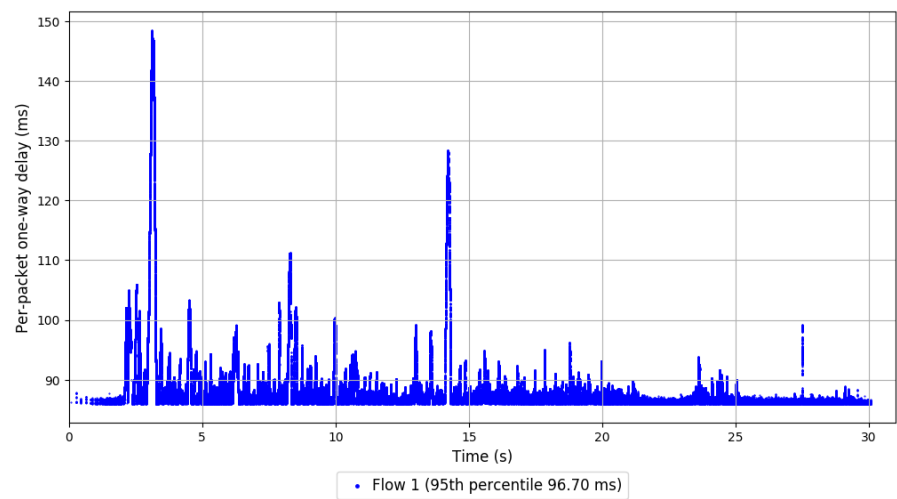
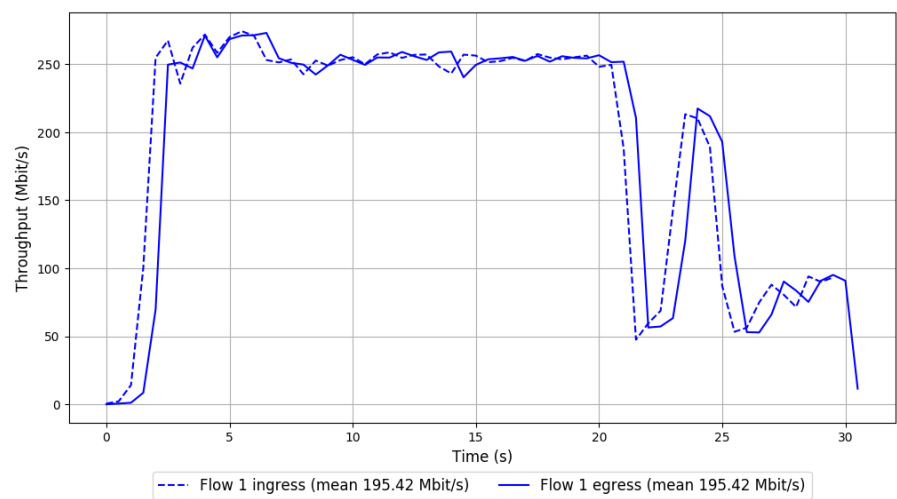
-- Flow 1:

Average throughput: 195.42 Mbit/s

95th percentile per-packet one-way delay: 96.704 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-06-29 13:07:02

End at: 2018-06-29 13:07:32

Local clock offset: -0.34 ms

Remote clock offset: 0.34 ms

Below is generated by plot.py at 2018-06-29 15:25:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 105.34 Mbit/s

95th percentile per-packet one-way delay: 87.804 ms

Loss rate: 0.00%

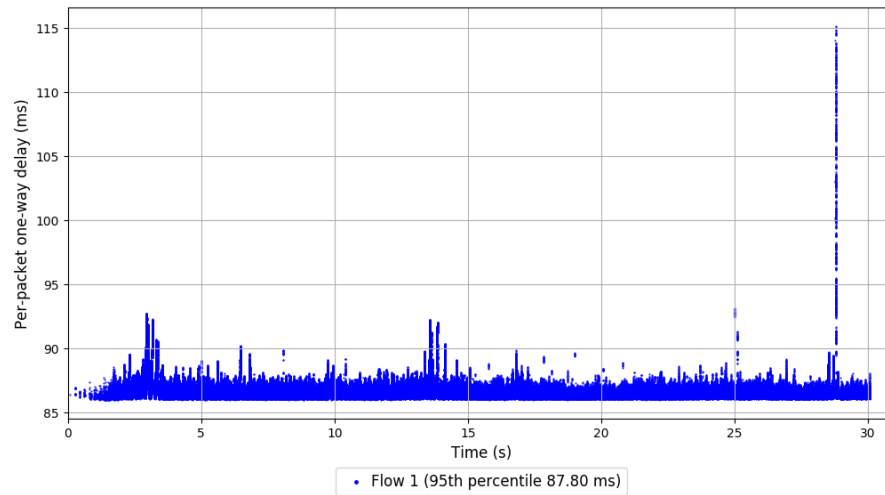
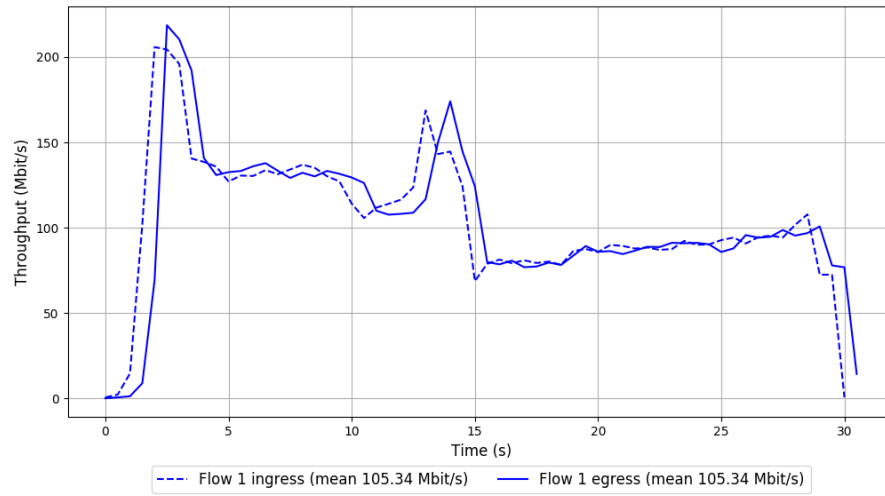
-- Flow 1:

Average throughput: 105.34 Mbit/s

95th percentile per-packet one-way delay: 87.804 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-06-29 13:28:47

End at: 2018-06-29 13:29:17

Local clock offset: -0.474 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-06-29 15:25:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 139.28 Mbit/s

95th percentile per-packet one-way delay: 98.048 ms

Loss rate: 0.00%

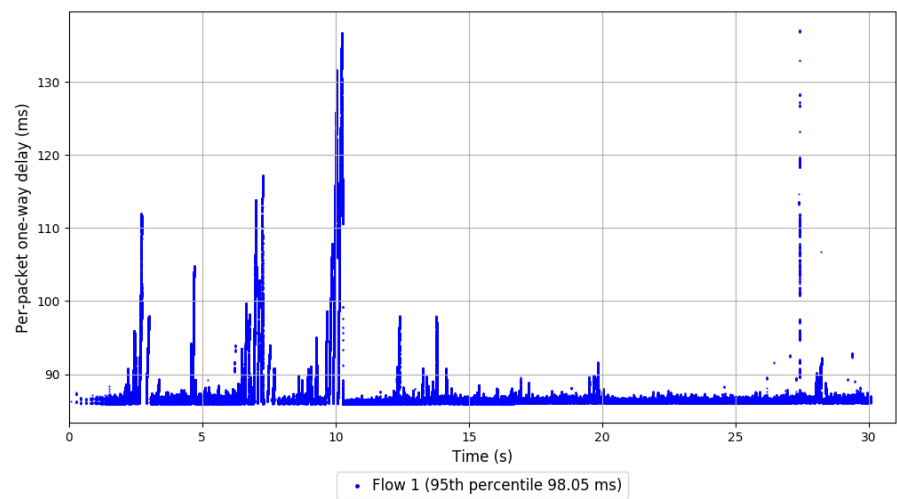
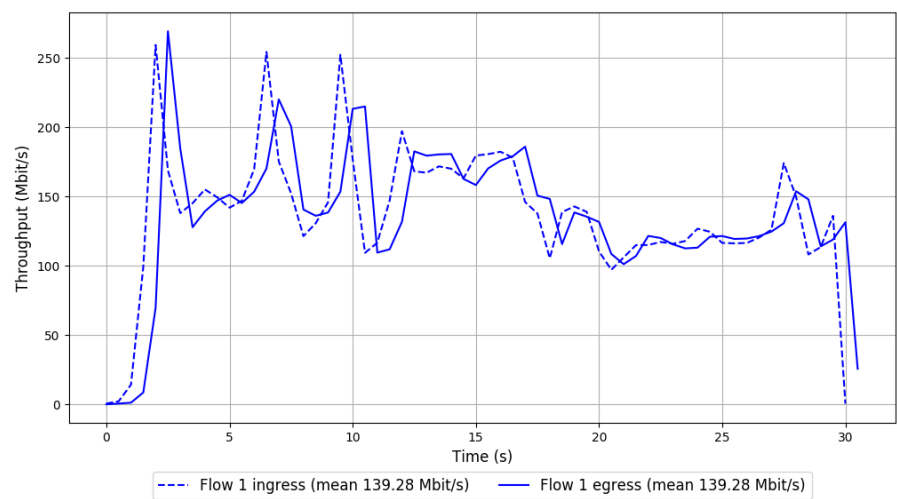
-- Flow 1:

Average throughput: 139.28 Mbit/s

95th percentile per-packet one-way delay: 98.048 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link

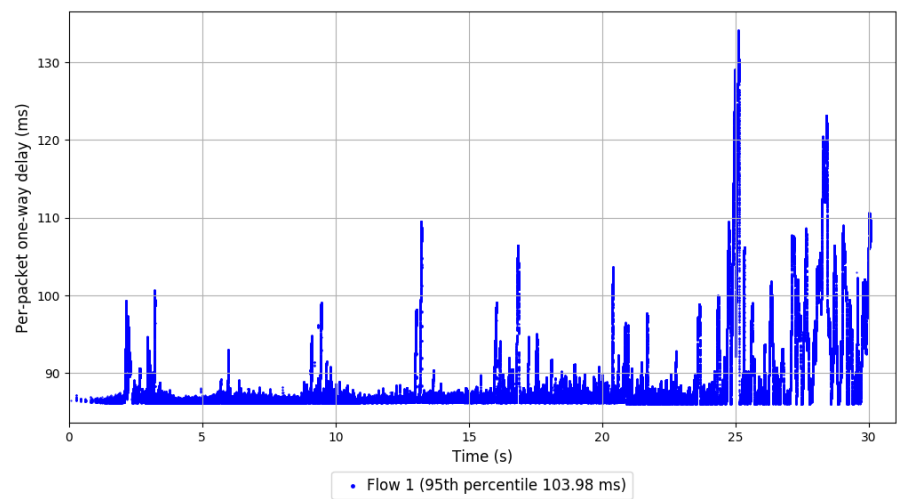
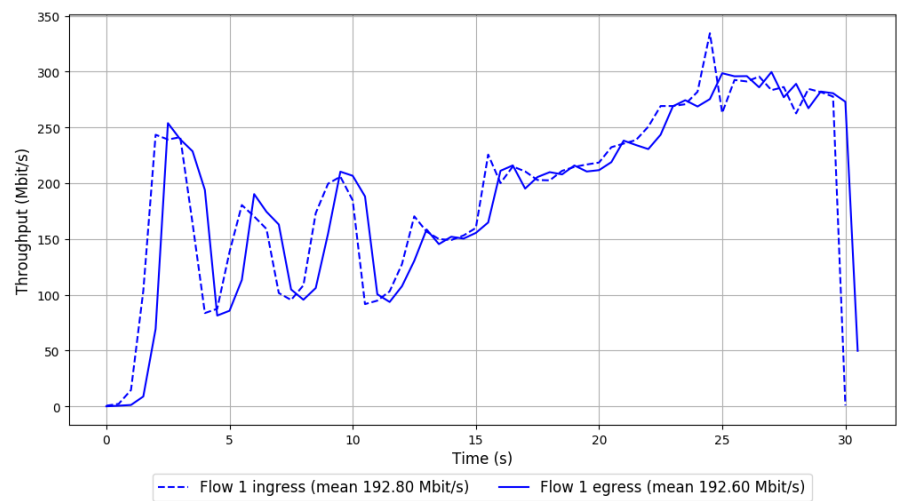


Run 7: Statistics of Copa

Start at: 2018-06-29 13:50:33
End at: 2018-06-29 13:51:03
Local clock offset: -0.767 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-06-29 15:27:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 192.60 Mbit/s
95th percentile per-packet one-way delay: 103.978 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 192.60 Mbit/s
95th percentile per-packet one-way delay: 103.978 ms
Loss rate: 0.10%

Run 7: Report of Copa — Data Link

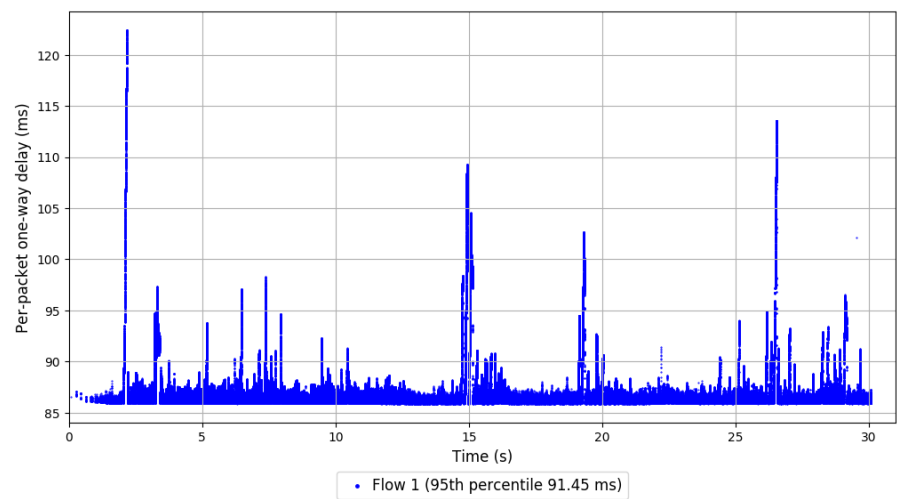
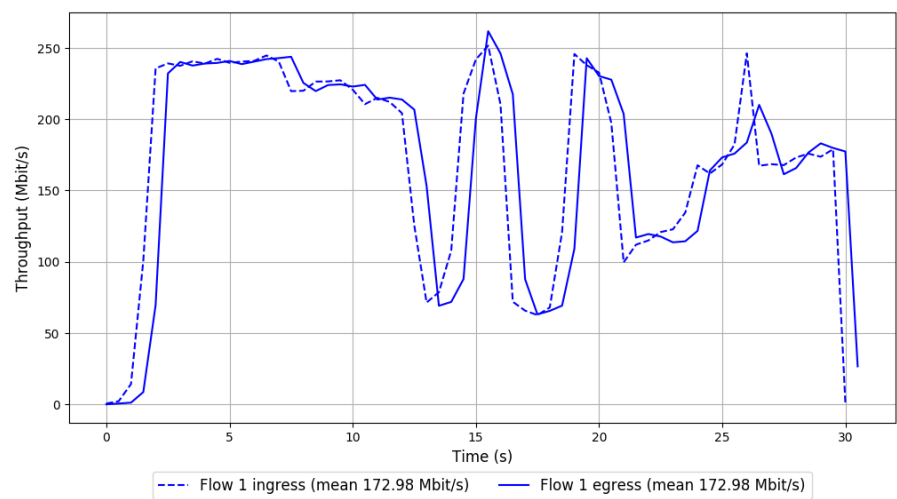


Run 8: Statistics of Copa

Start at: 2018-06-29 14:12:32
End at: 2018-06-29 14:13:02
Local clock offset: -0.869 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-06-29 15:27:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 172.98 Mbit/s
95th percentile per-packet one-way delay: 91.450 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 172.98 Mbit/s
95th percentile per-packet one-way delay: 91.450 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

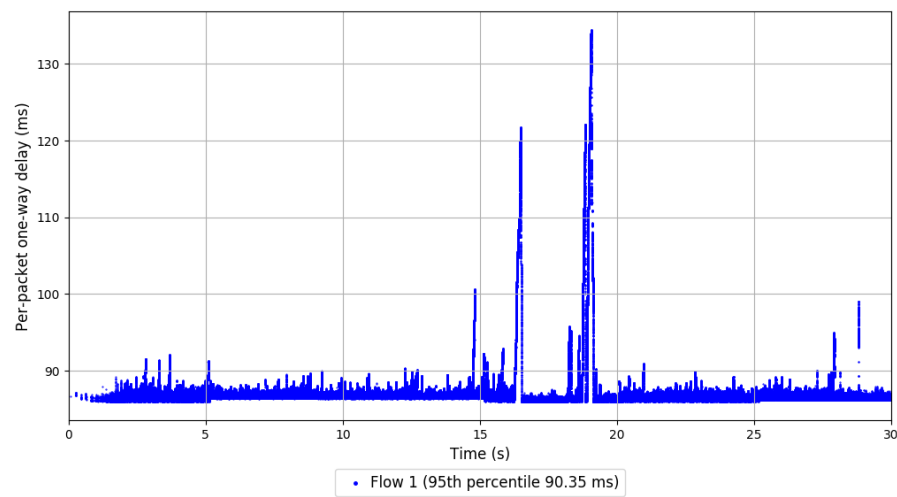
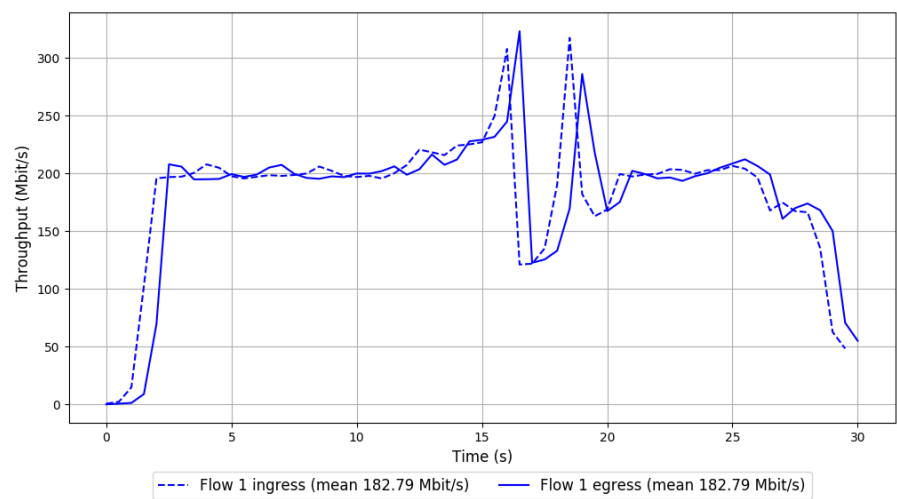


Run 9: Statistics of Copa

Start at: 2018-06-29 14:34:19
End at: 2018-06-29 14:34:49
Local clock offset: -0.017 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-06-29 15:28:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 182.79 Mbit/s
95th percentile per-packet one-way delay: 90.354 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 182.79 Mbit/s
95th percentile per-packet one-way delay: 90.354 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-06-29 14:56:06

End at: 2018-06-29 14:56:36

Local clock offset: 0.304 ms

Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-06-29 15:30:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.85 Mbit/s

95th percentile per-packet one-way delay: 99.490 ms

Loss rate: 0.01%

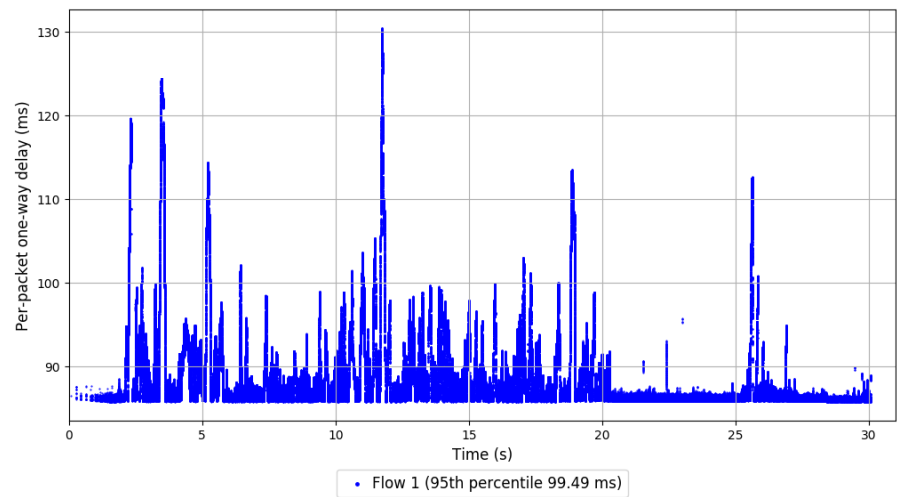
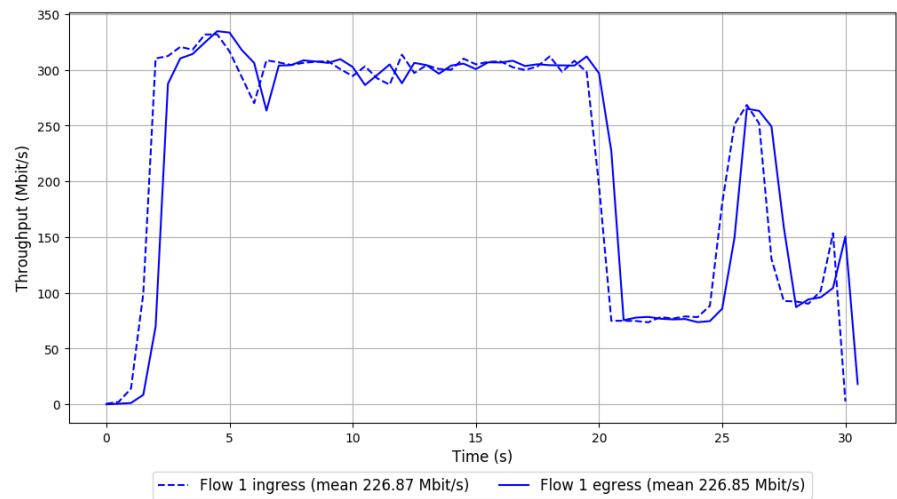
-- Flow 1:

Average throughput: 226.85 Mbit/s

95th percentile per-packet one-way delay: 99.490 ms

Loss rate: 0.01%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-06-29 11:33:12

End at: 2018-06-29 11:33:42

Local clock offset: -0.005 ms

Remote clock offset: 0.72 ms

Below is generated by plot.py at 2018-06-29 15:30:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 121.90 Mbit/s

95th percentile per-packet one-way delay: 95.469 ms

Loss rate: 0.02%

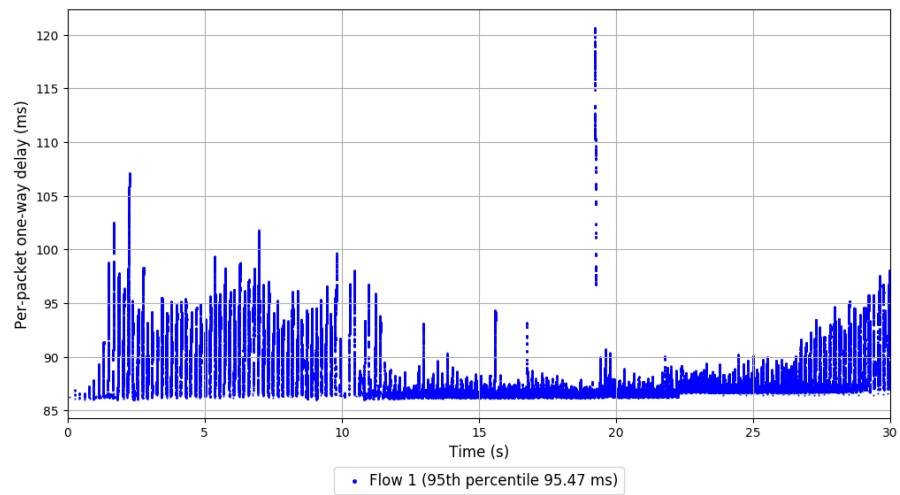
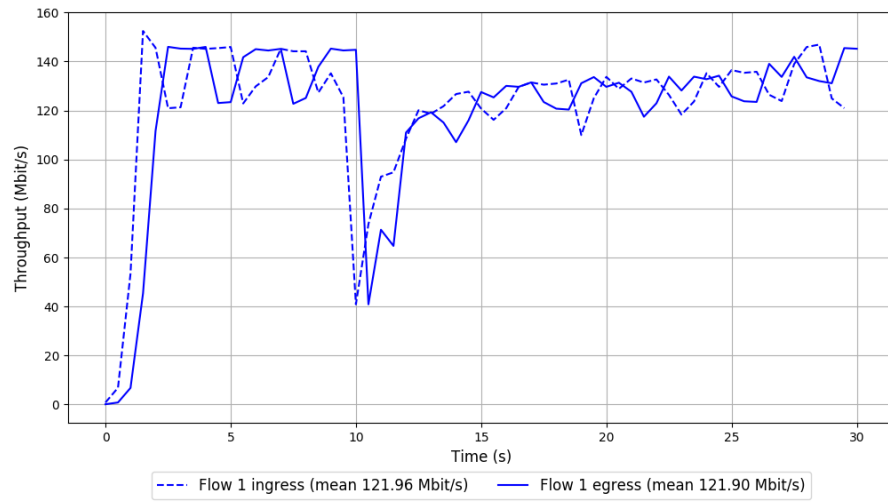
-- Flow 1:

Average throughput: 121.90 Mbit/s

95th percentile per-packet one-way delay: 95.469 ms

Loss rate: 0.02%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-06-29 11:54:53

End at: 2018-06-29 11:55:23

Local clock offset: -0.812 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-06-29 15:30:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.54 Mbit/s

95th percentile per-packet one-way delay: 99.184 ms

Loss rate: 0.00%

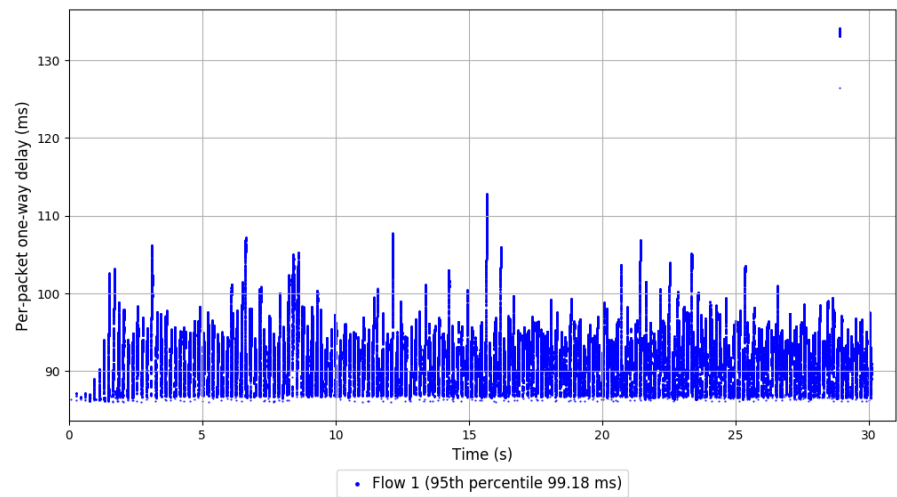
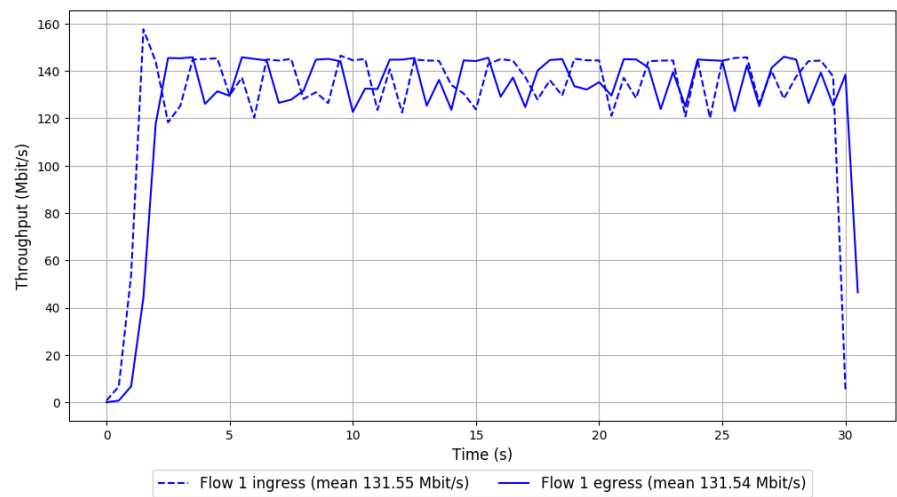
-- Flow 1:

Average throughput: 131.54 Mbit/s

95th percentile per-packet one-way delay: 99.184 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-06-29 12:16:42

End at: 2018-06-29 12:17:12

Local clock offset: -0.581 ms

Remote clock offset: 0.104 ms

Below is generated by plot.py at 2018-06-29 15:30:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.57 Mbit/s

95th percentile per-packet one-way delay: 88.261 ms

Loss rate: 0.00%

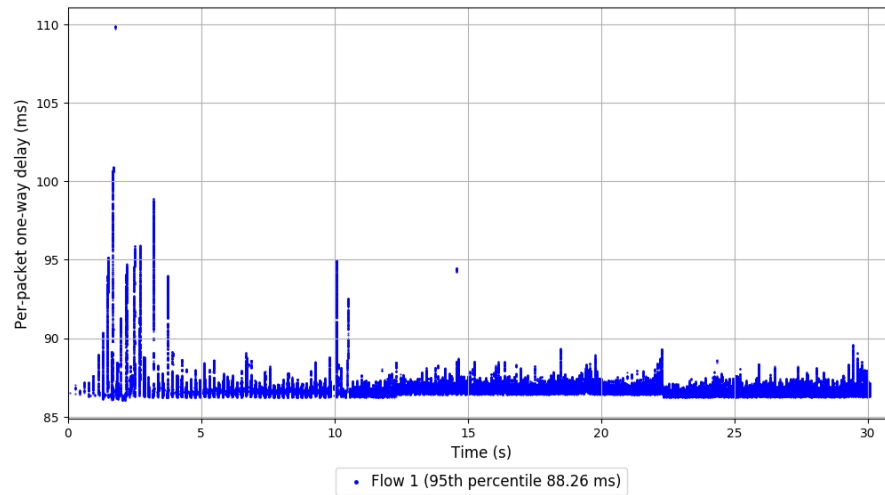
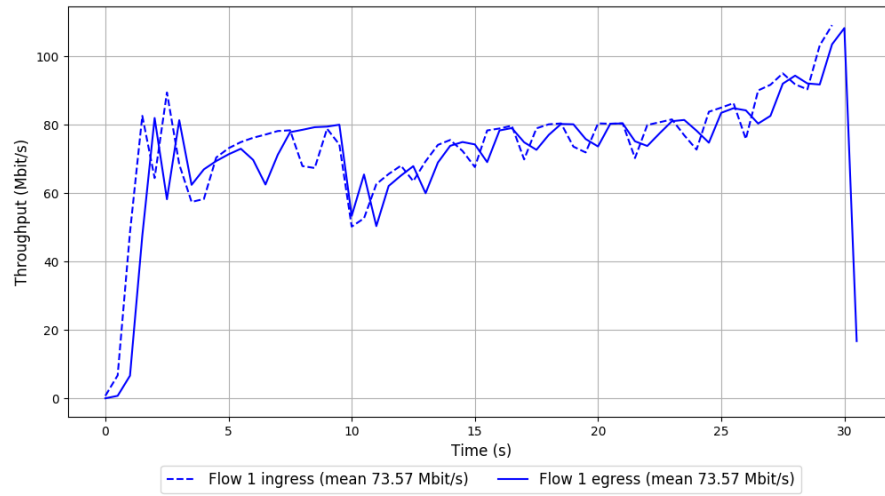
-- Flow 1:

Average throughput: 73.57 Mbit/s

95th percentile per-packet one-way delay: 88.261 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-06-29 12:38:24

End at: 2018-06-29 12:38:54

Local clock offset: -0.576 ms

Remote clock offset: 0.214 ms

Below is generated by plot.py at 2018-06-29 15:30:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.46 Mbit/s

95th percentile per-packet one-way delay: 95.688 ms

Loss rate: 0.00%

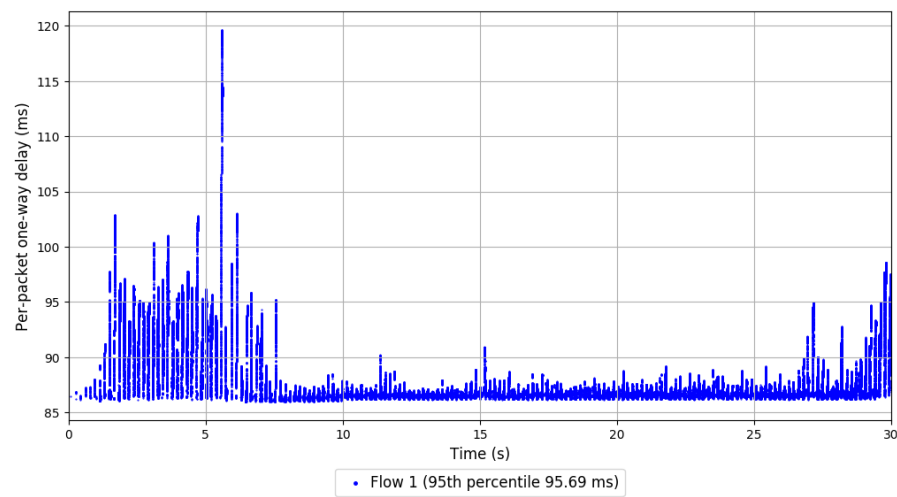
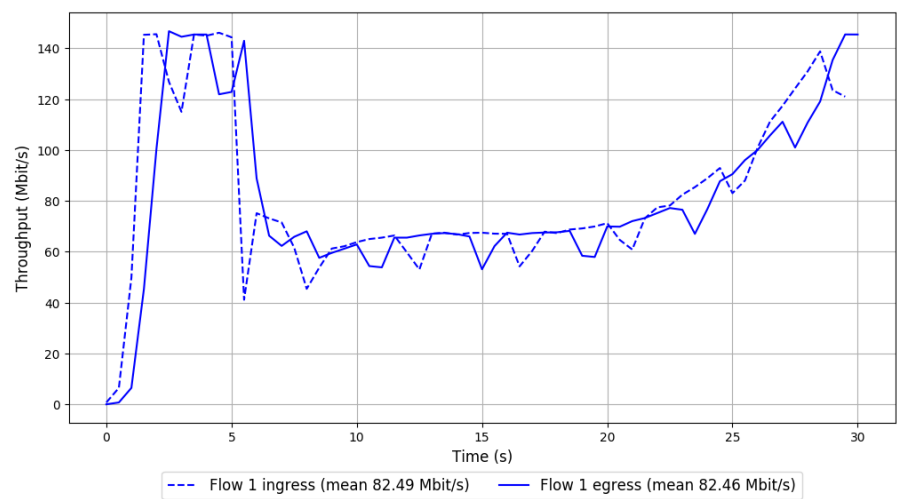
-- Flow 1:

Average throughput: 82.46 Mbit/s

95th percentile per-packet one-way delay: 95.688 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-06-29 13:00:20

End at: 2018-06-29 13:00:50

Local clock offset: -0.261 ms

Remote clock offset: 0.287 ms

Below is generated by plot.py at 2018-06-29 15:30:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 108.65 Mbit/s

95th percentile per-packet one-way delay: 97.491 ms

Loss rate: 0.00%

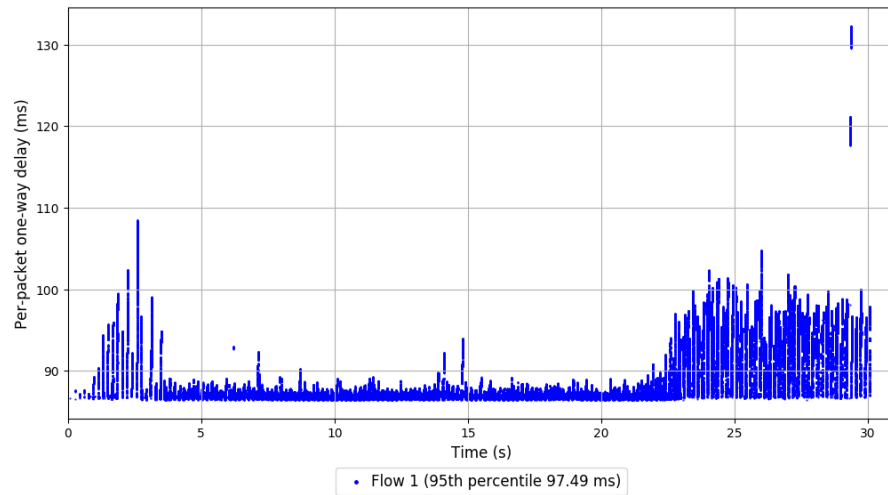
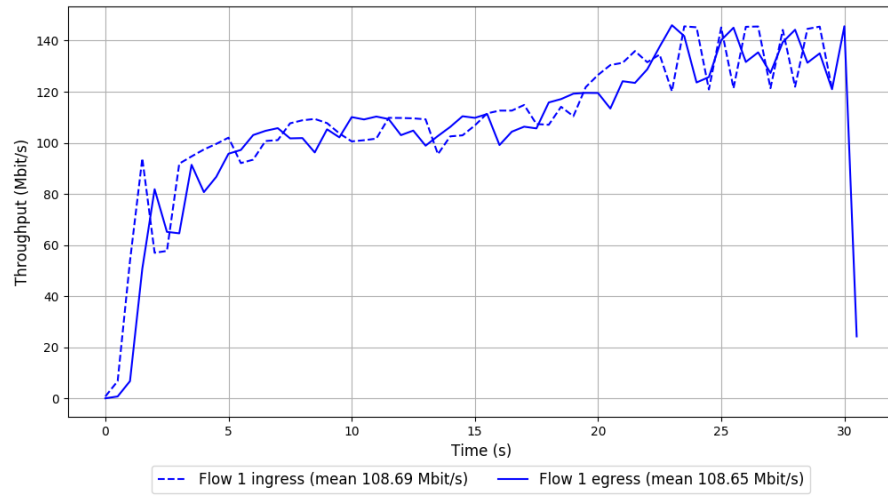
-- Flow 1:

Average throughput: 108.65 Mbit/s

95th percentile per-packet one-way delay: 97.491 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-06-29 13:22:07

End at: 2018-06-29 13:22:37

Local clock offset: -0.558 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-06-29 15:30:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 100.89 Mbit/s

95th percentile per-packet one-way delay: 96.283 ms

Loss rate: 0.00%

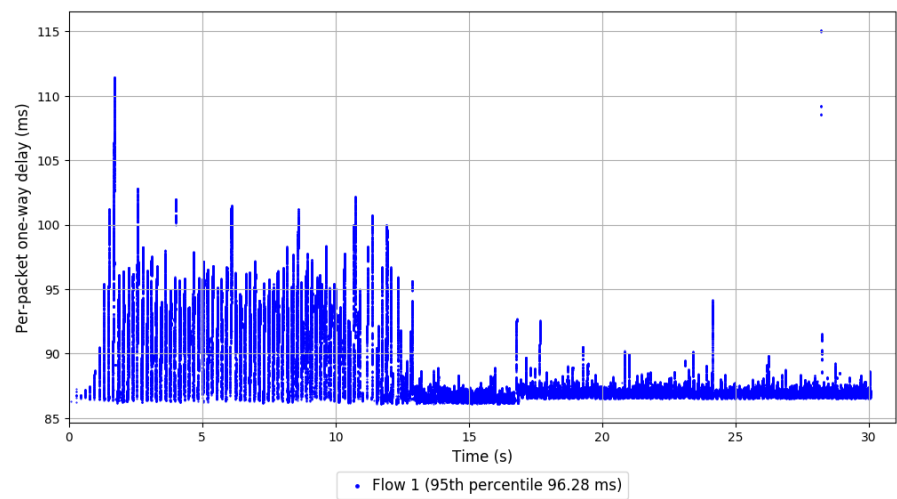
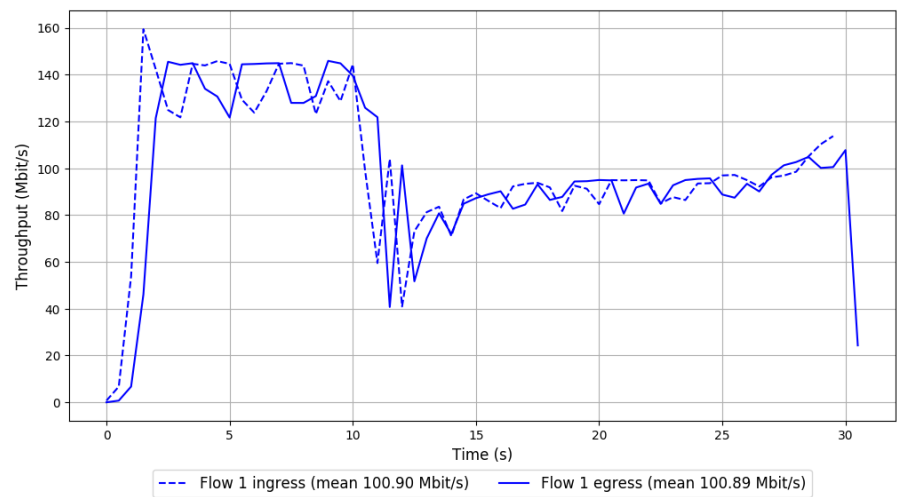
-- Flow 1:

Average throughput: 100.89 Mbit/s

95th percentile per-packet one-way delay: 96.283 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

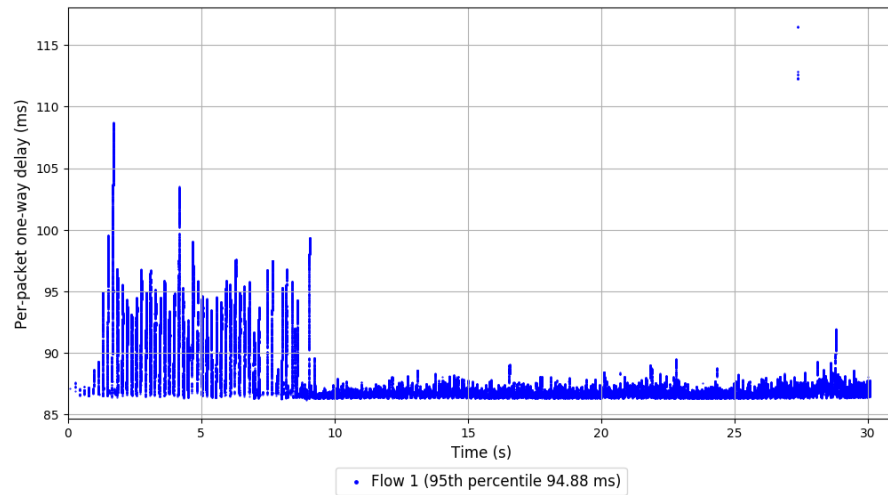
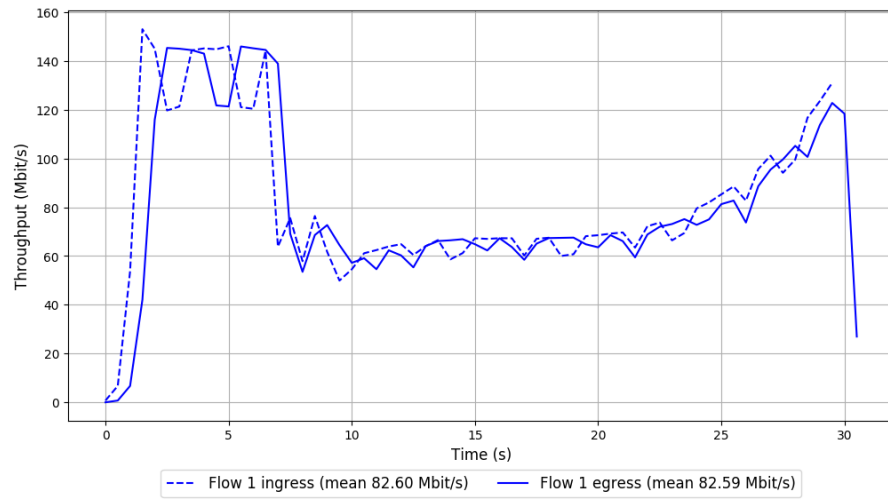


Run 7: Statistics of TCP Cubic

Start at: 2018-06-29 13:43:57
End at: 2018-06-29 13:44:27
Local clock offset: -0.618 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-06-29 15:30:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.59 Mbit/s
95th percentile per-packet one-way delay: 94.879 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.59 Mbit/s
95th percentile per-packet one-way delay: 94.879 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link

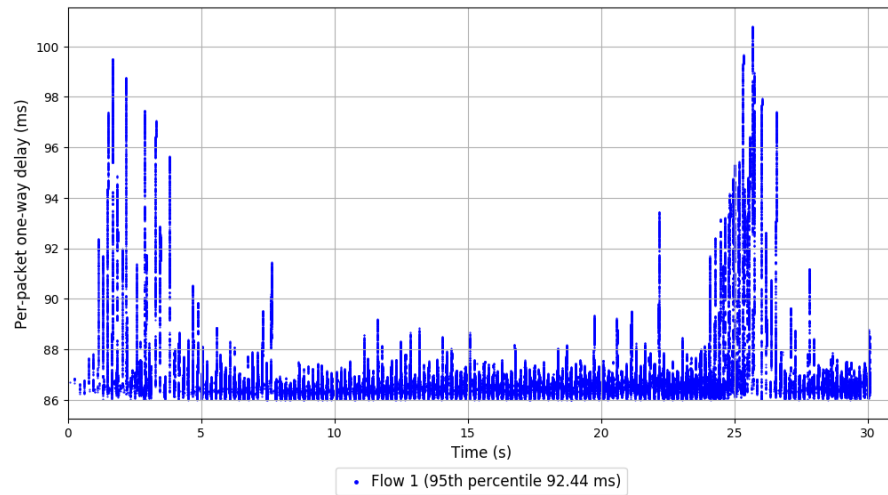
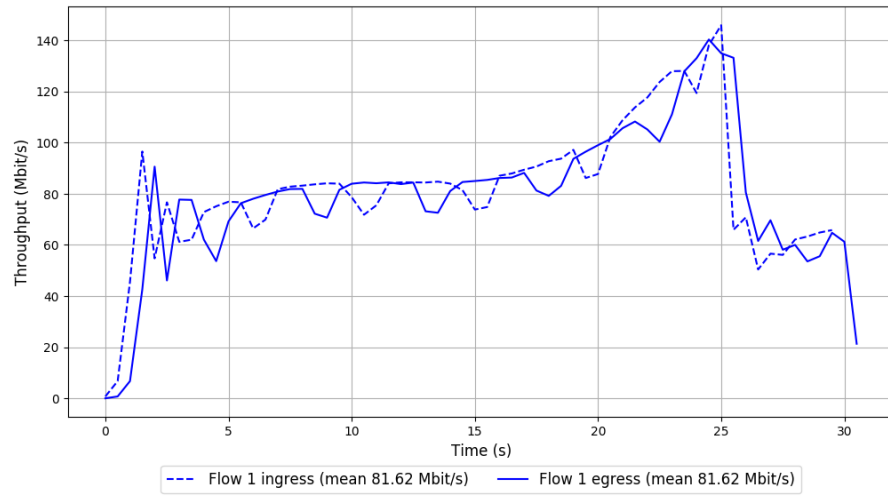


Run 8: Statistics of TCP Cubic

Start at: 2018-06-29 14:05:54
End at: 2018-06-29 14:06:24
Local clock offset: -0.748 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-06-29 15:30:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.62 Mbit/s
95th percentile per-packet one-way delay: 92.439 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 81.62 Mbit/s
95th percentile per-packet one-way delay: 92.439 ms
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link

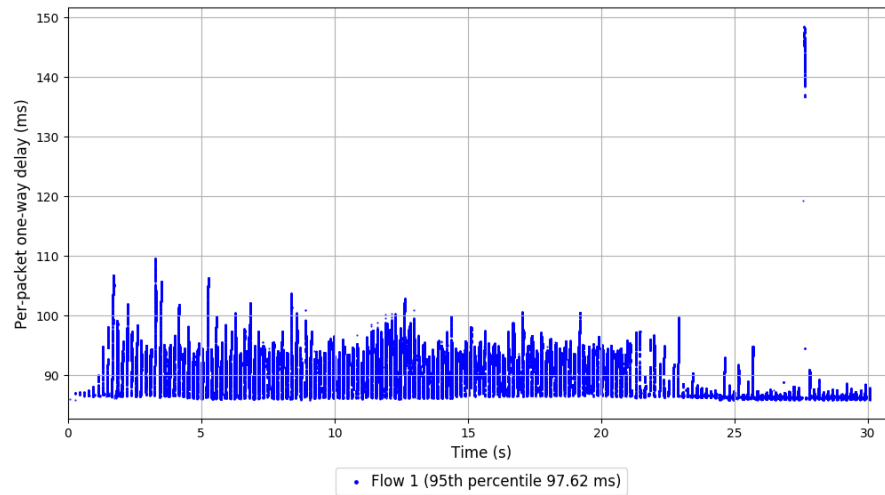
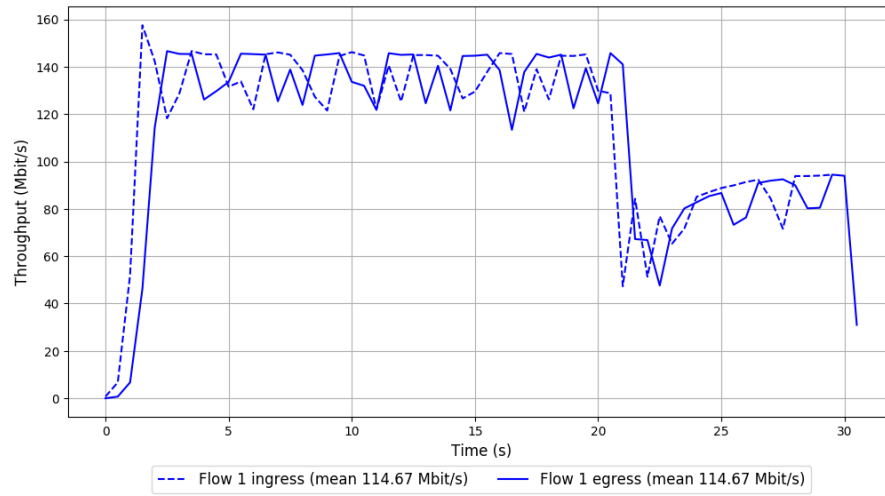


Run 9: Statistics of TCP Cubic

Start at: 2018-06-29 14:27:40
End at: 2018-06-29 14:28:10
Local clock offset: -0.106 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-06-29 15:30:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 114.67 Mbit/s
95th percentile per-packet one-way delay: 97.619 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 114.67 Mbit/s
95th percentile per-packet one-way delay: 97.619 ms
Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-06-29 14:49:28

End at: 2018-06-29 14:49:58

Local clock offset: 0.161 ms

Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-06-29 15:30:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.86 Mbit/s

95th percentile per-packet one-way delay: 94.234 ms

Loss rate: 0.00%

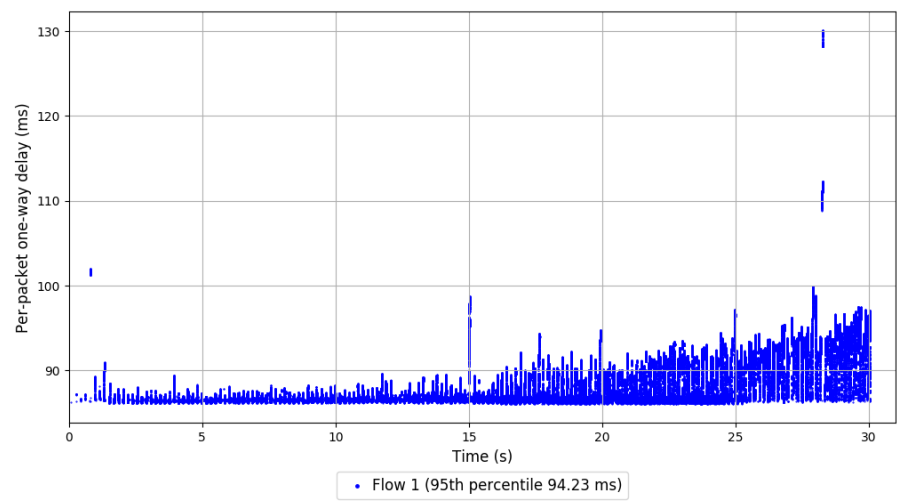
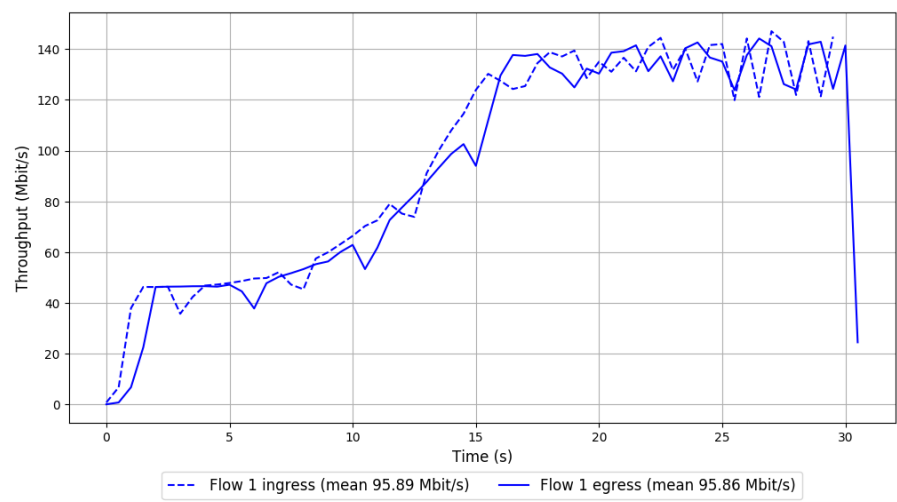
-- Flow 1:

Average throughput: 95.86 Mbit/s

95th percentile per-packet one-way delay: 94.234 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-06-29 11:34:25

End at: 2018-06-29 11:34:55

Local clock offset: -0.261 ms

Remote clock offset: 0.287 ms

Below is generated by plot.py at 2018-06-29 15:32:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 271.47 Mbit/s

95th percentile per-packet one-way delay: 296.218 ms

Loss rate: 3.16%

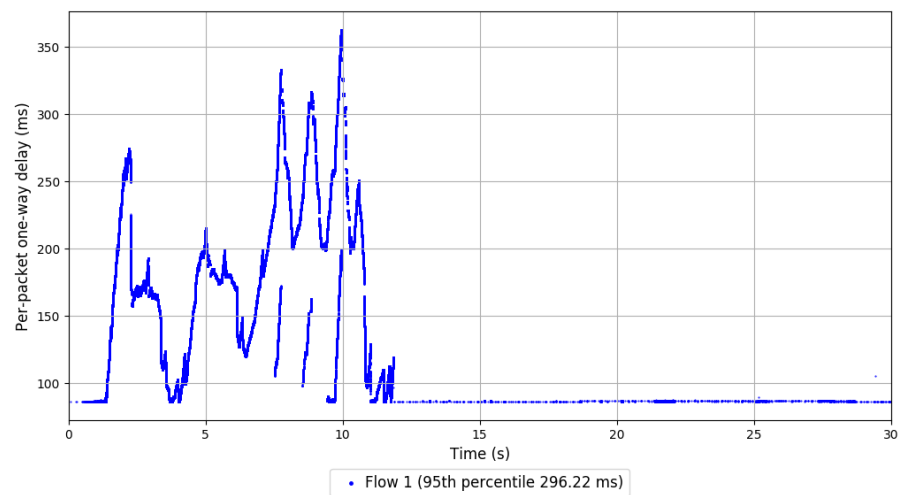
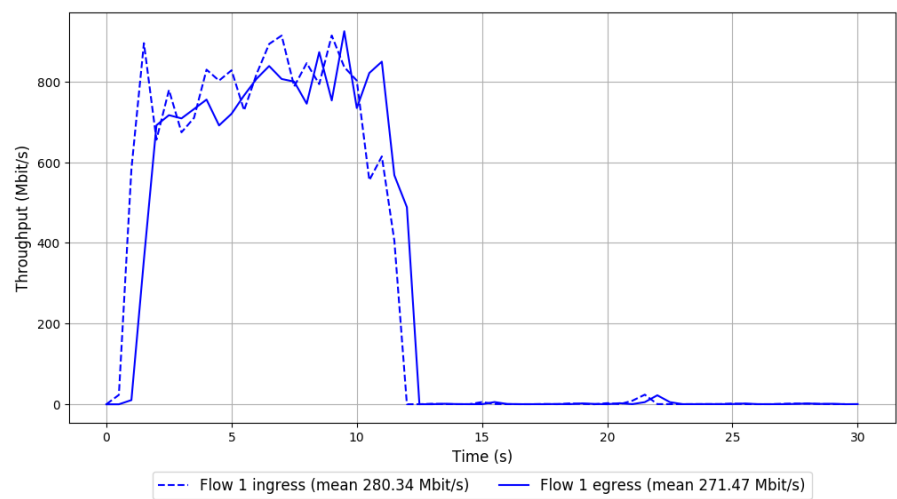
-- Flow 1:

Average throughput: 271.47 Mbit/s

95th percentile per-packet one-way delay: 296.218 ms

Loss rate: 3.16%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-06-29 11:56:06

End at: 2018-06-29 11:56:36

Local clock offset: -0.775 ms

Remote clock offset: 0.061 ms

Below is generated by plot.py at 2018-06-29 15:43:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 693.35 Mbit/s

95th percentile per-packet one-way delay: 169.700 ms

Loss rate: 6.76%

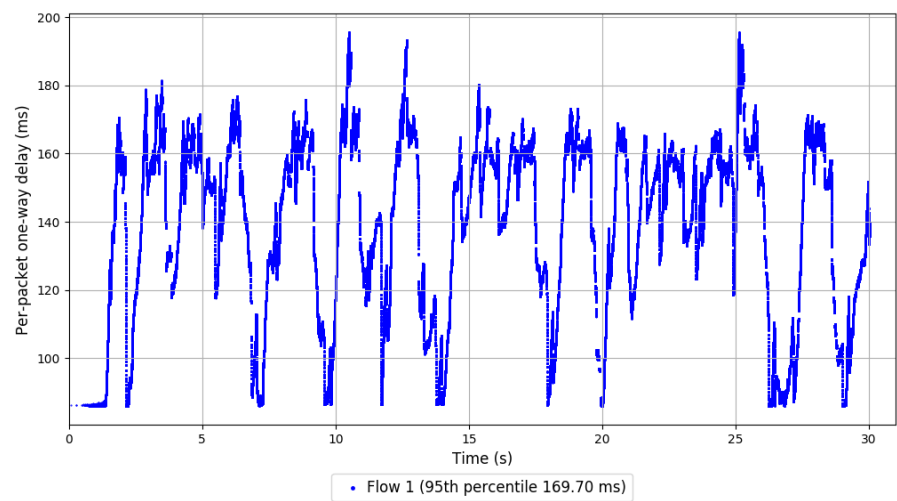
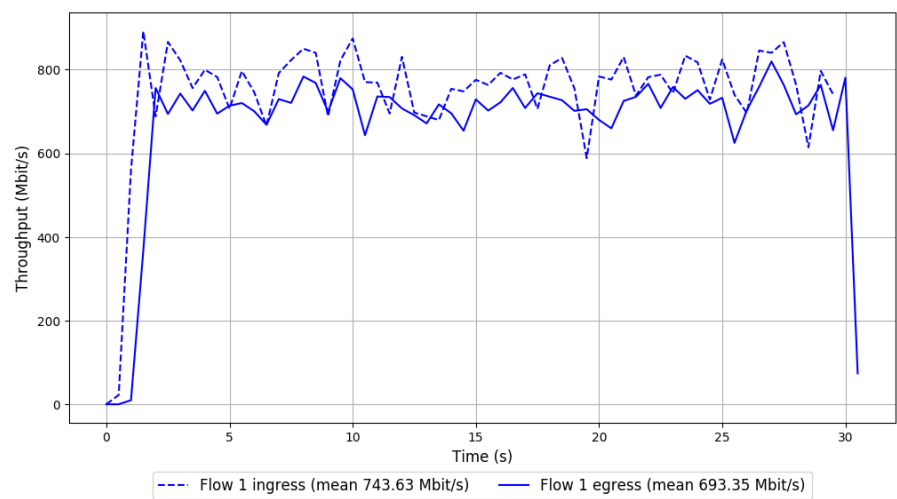
-- Flow 1:

Average throughput: 693.35 Mbit/s

95th percentile per-packet one-way delay: 169.700 ms

Loss rate: 6.76%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-06-29 12:17:53

End at: 2018-06-29 12:18:23

Local clock offset: -0.479 ms

Remote clock offset: 0.131 ms

Below is generated by plot.py at 2018-06-29 15:43:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 441.41 Mbit/s

95th percentile per-packet one-way delay: 275.281 ms

Loss rate: 1.45%

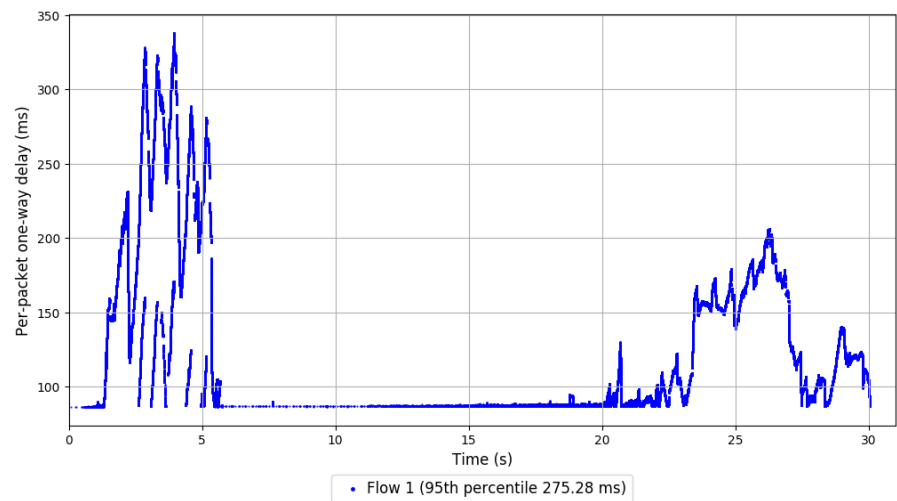
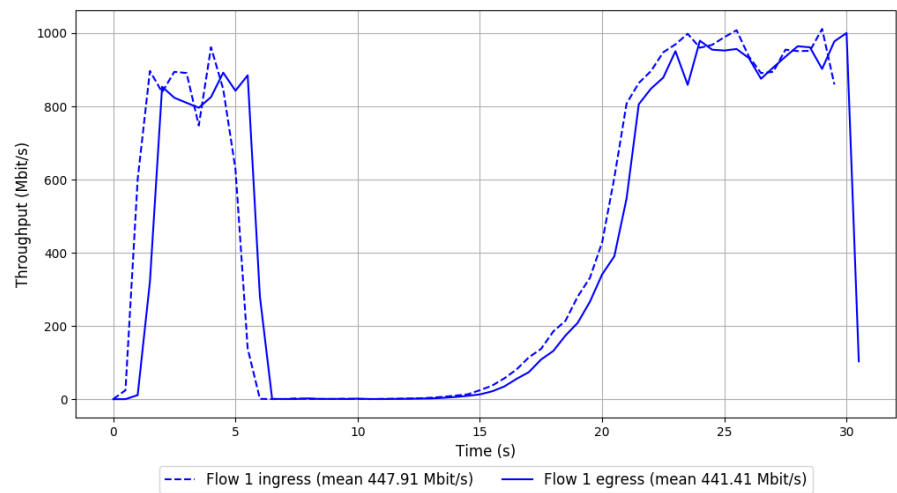
-- Flow 1:

Average throughput: 441.41 Mbit/s

95th percentile per-packet one-way delay: 275.281 ms

Loss rate: 1.45%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-06-29 12:39:36

End at: 2018-06-29 12:40:06

Local clock offset: -0.445 ms

Remote clock offset: 0.214 ms

Below is generated by plot.py at 2018-06-29 15:44:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 742.89 Mbit/s

95th percentile per-packet one-way delay: 295.945 ms

Loss rate: 4.93%

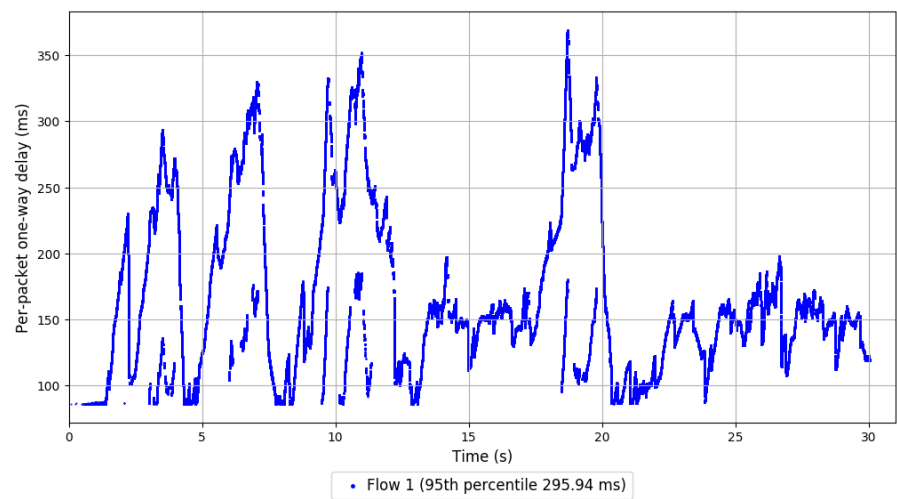
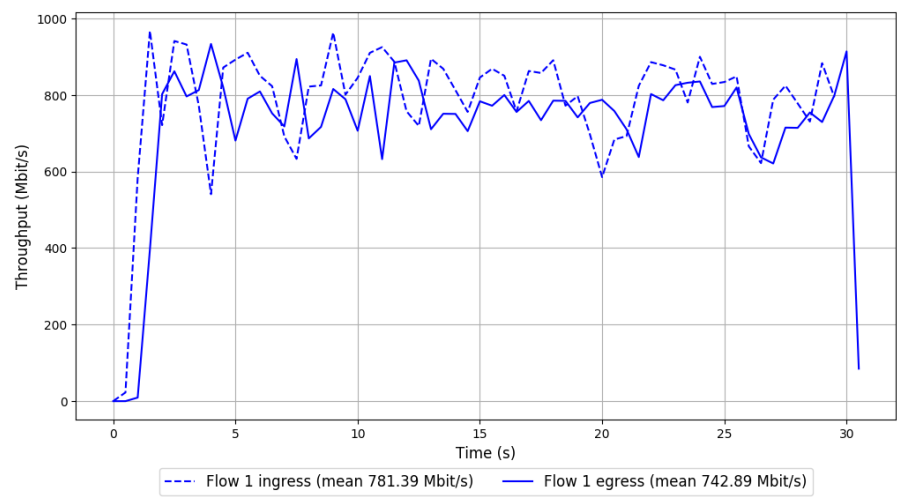
-- Flow 1:

Average throughput: 742.89 Mbit/s

95th percentile per-packet one-way delay: 295.945 ms

Loss rate: 4.93%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-06-29 13:01:33

End at: 2018-06-29 13:02:03

Local clock offset: -0.345 ms

Remote clock offset: 0.247 ms

Below is generated by plot.py at 2018-06-29 15:44:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 762.93 Mbit/s

95th percentile per-packet one-way delay: 171.665 ms

Loss rate: 5.59%

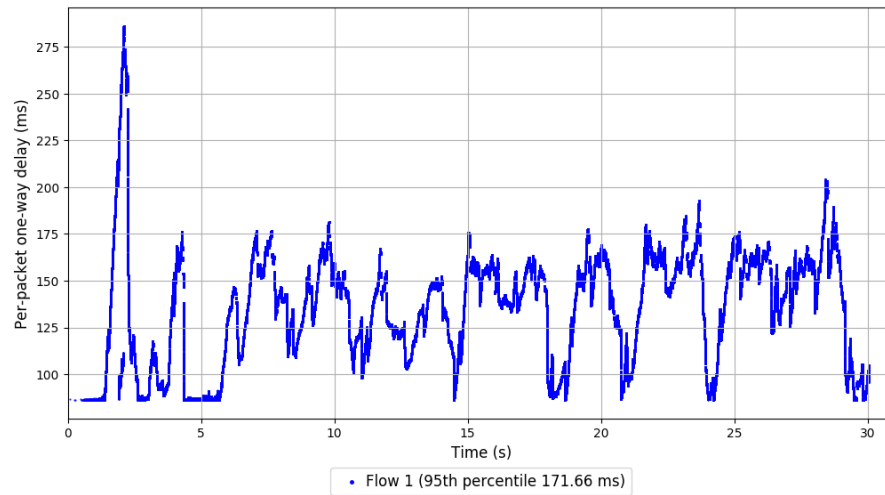
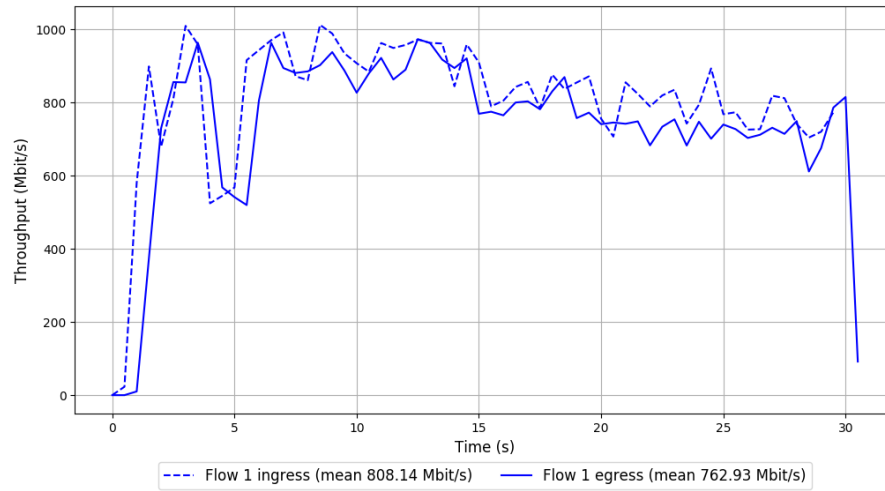
-- Flow 1:

Average throughput: 762.93 Mbit/s

95th percentile per-packet one-way delay: 171.665 ms

Loss rate: 5.59%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-06-29 13:23:19

End at: 2018-06-29 13:23:49

Local clock offset: -0.383 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-06-29 15:44:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 739.16 Mbit/s

95th percentile per-packet one-way delay: 170.970 ms

Loss rate: 5.54%

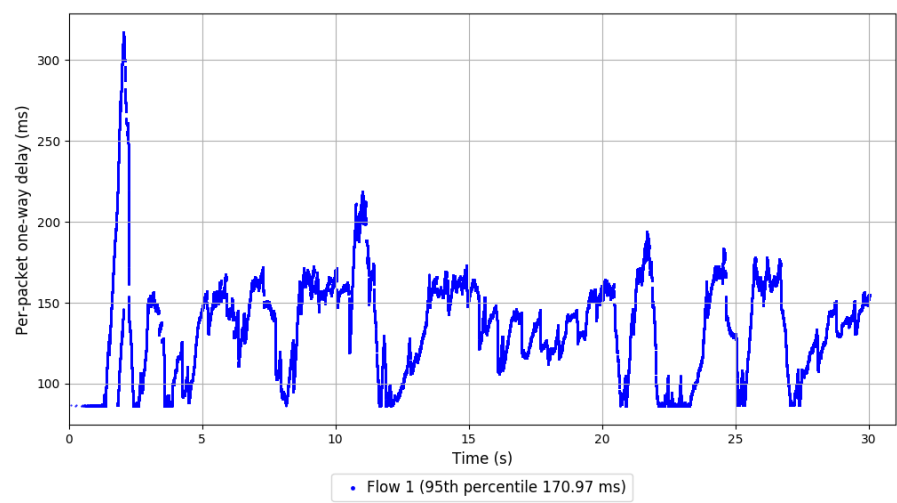
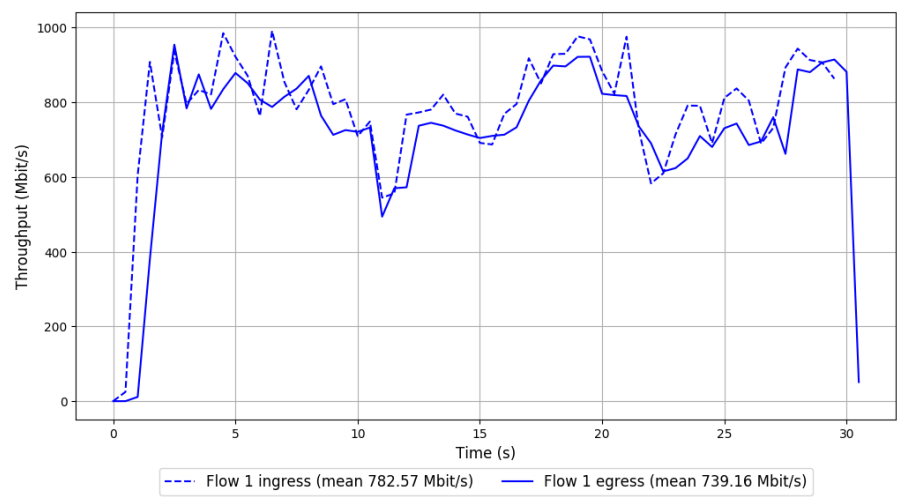
-- Flow 1:

Average throughput: 739.16 Mbit/s

95th percentile per-packet one-way delay: 170.970 ms

Loss rate: 5.54%

Run 6: Report of FillP — Data Link

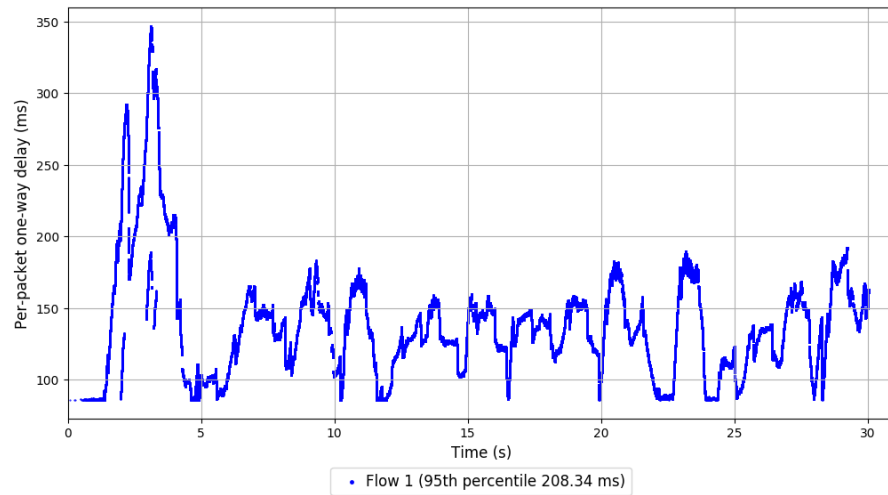
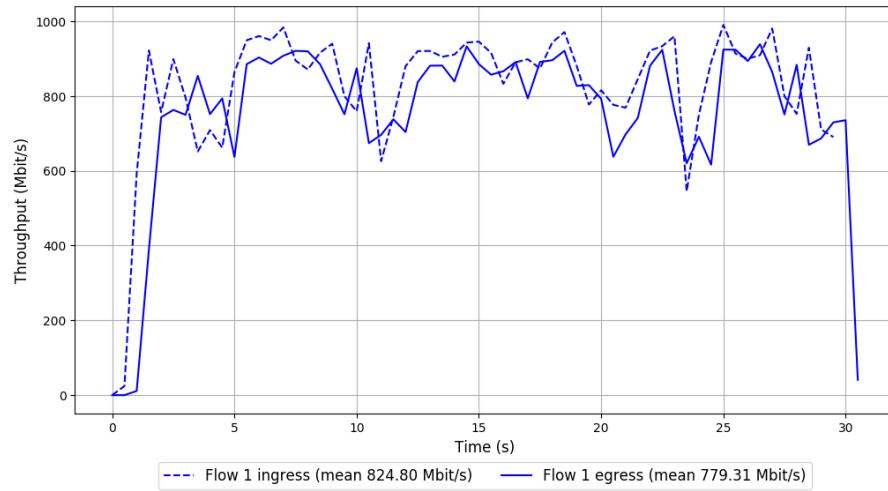


Run 7: Statistics of FillP

Start at: 2018-06-29 13:45:08
End at: 2018-06-29 13:45:38
Local clock offset: -0.503 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2018-06-29 15:45:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 779.31 Mbit/s
95th percentile per-packet one-way delay: 208.337 ms
Loss rate: 5.49%
-- Flow 1:
Average throughput: 779.31 Mbit/s
95th percentile per-packet one-way delay: 208.337 ms
Loss rate: 5.49%

Run 7: Report of FillP — Data Link

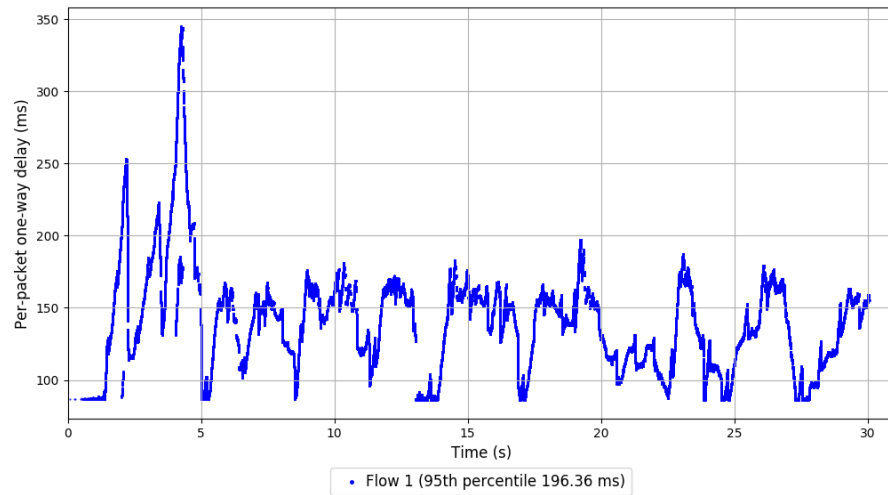
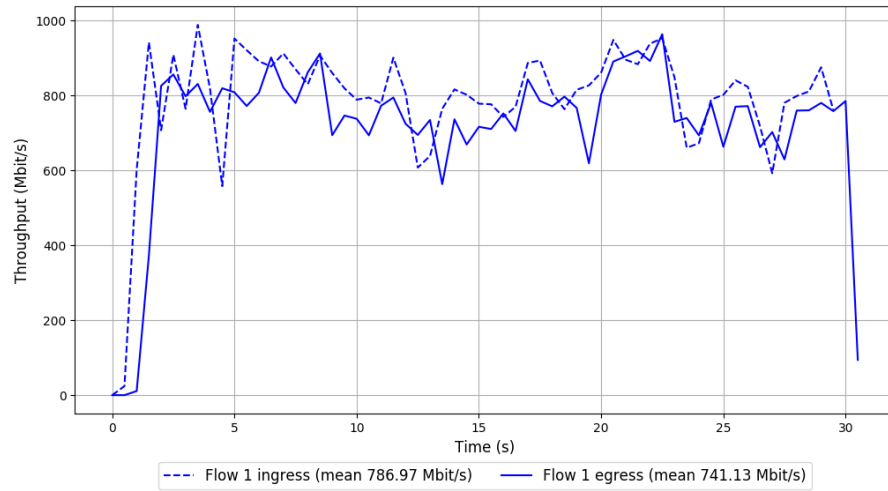


Run 8: Statistics of FillP

Start at: 2018-06-29 14:07:05
End at: 2018-06-29 14:07:35
Local clock offset: -0.814 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-06-29 15:47:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 741.13 Mbit/s
95th percentile per-packet one-way delay: 196.358 ms
Loss rate: 5.82%
-- Flow 1:
Average throughput: 741.13 Mbit/s
95th percentile per-packet one-way delay: 196.358 ms
Loss rate: 5.82%

Run 8: Report of FillP — Data Link

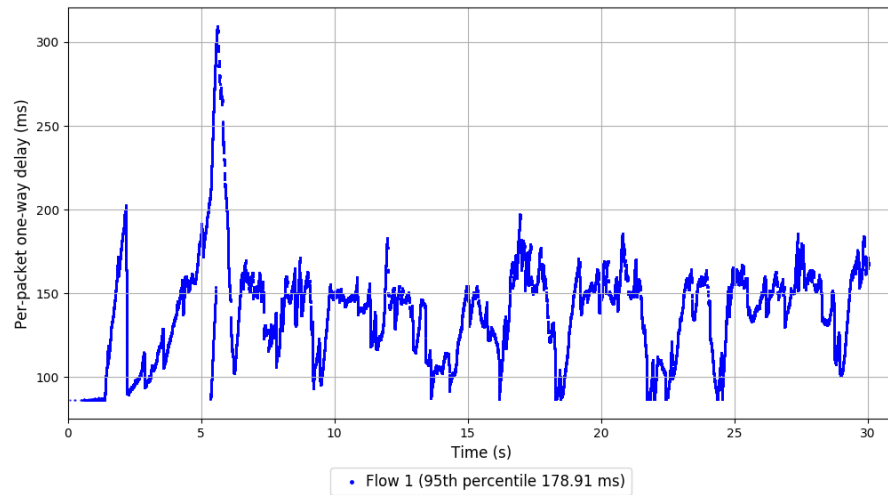
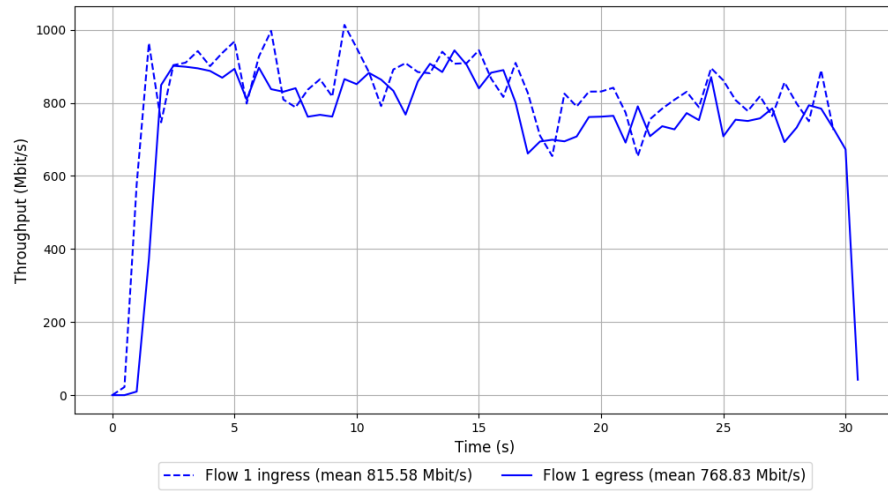


Run 9: Statistics of FillP

Start at: 2018-06-29 14:28:52
End at: 2018-06-29 14:29:22
Local clock offset: -0.243 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-06-29 15:51:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 768.83 Mbit/s
95th percentile per-packet one-way delay: 178.907 ms
Loss rate: 5.73%
-- Flow 1:
Average throughput: 768.83 Mbit/s
95th percentile per-packet one-way delay: 178.907 ms
Loss rate: 5.73%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-06-29 14:50:40

End at: 2018-06-29 14:51:10

Local clock offset: 0.352 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-06-29 15:53:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 694.05 Mbit/s

95th percentile per-packet one-way delay: 212.219 ms

Loss rate: 7.05%

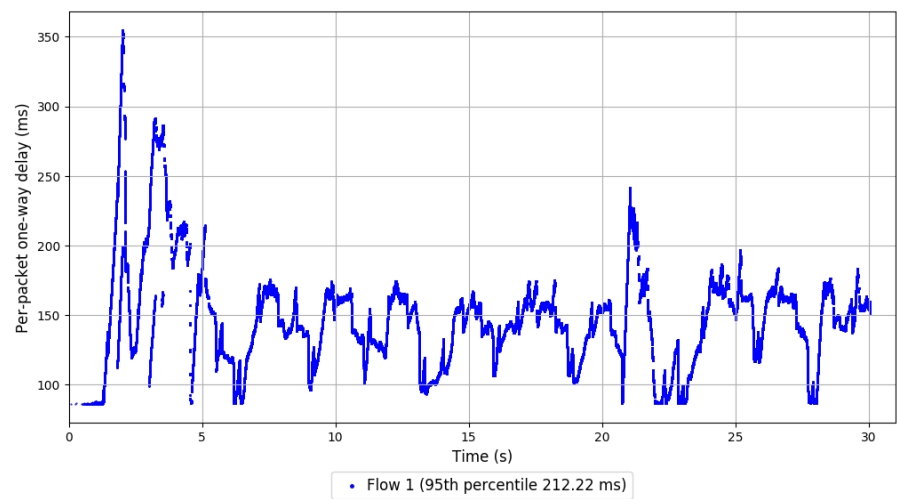
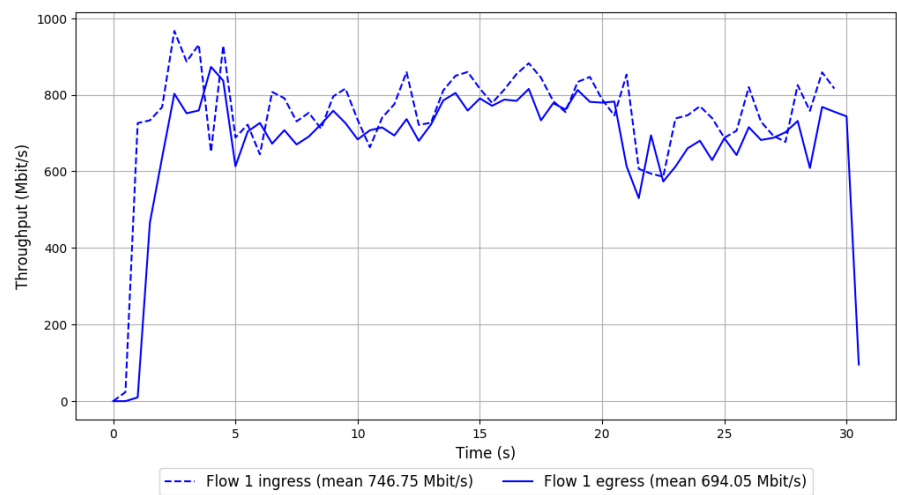
-- Flow 1:

Average throughput: 694.05 Mbit/s

95th percentile per-packet one-way delay: 212.219 ms

Loss rate: 7.05%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

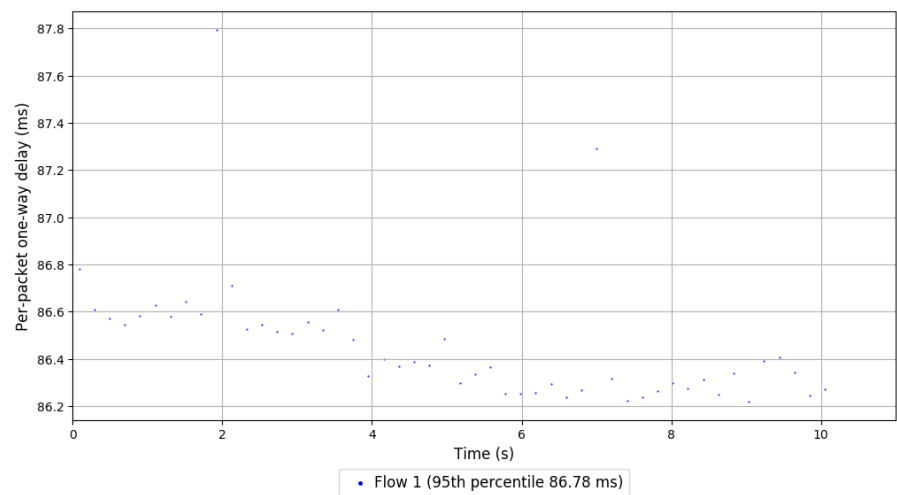
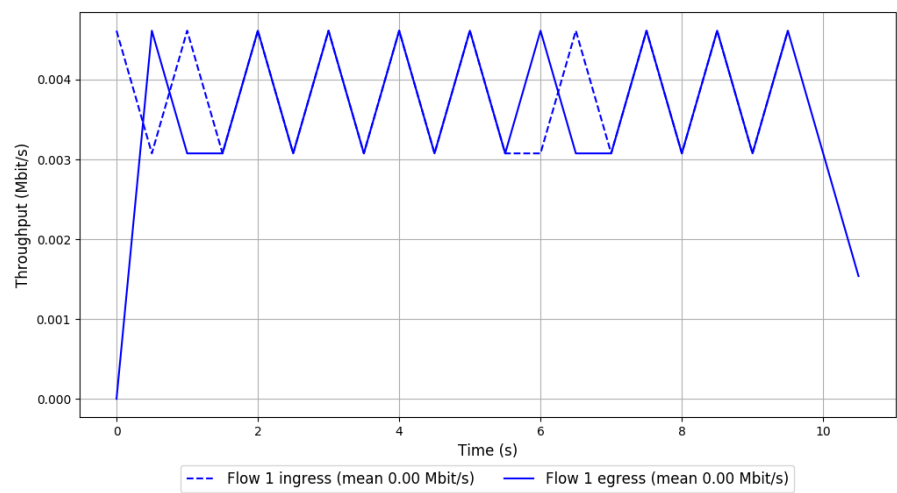
Start at: 2018-06-29 11:42:10

End at: 2018-06-29 11:42:40

Local clock offset: -0.273 ms

Remote clock offset: -0.018 ms

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

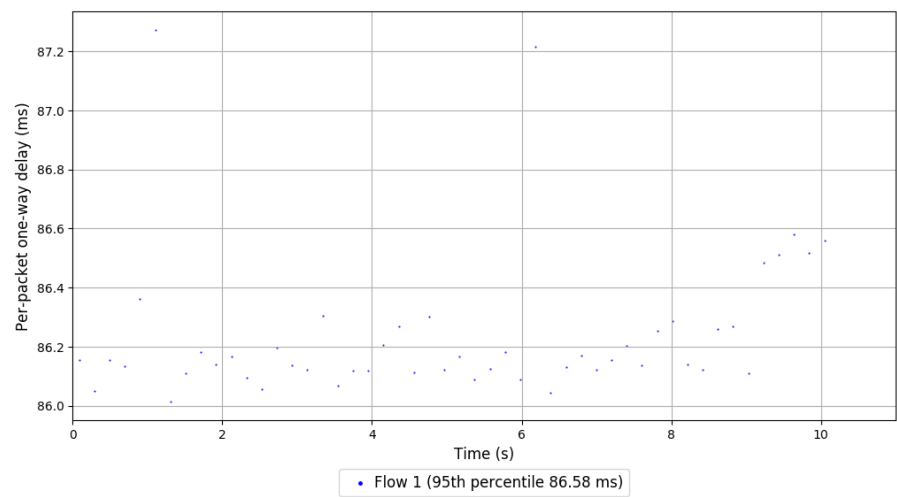
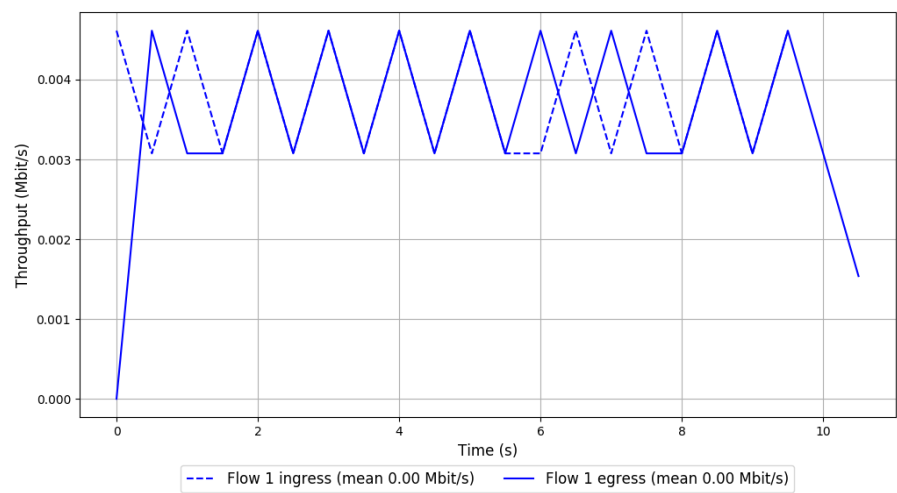
Start at: 2018-06-29 12:04:05

End at: 2018-06-29 12:04:35

Local clock offset: -0.795 ms

Remote clock offset: 0.082 ms

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

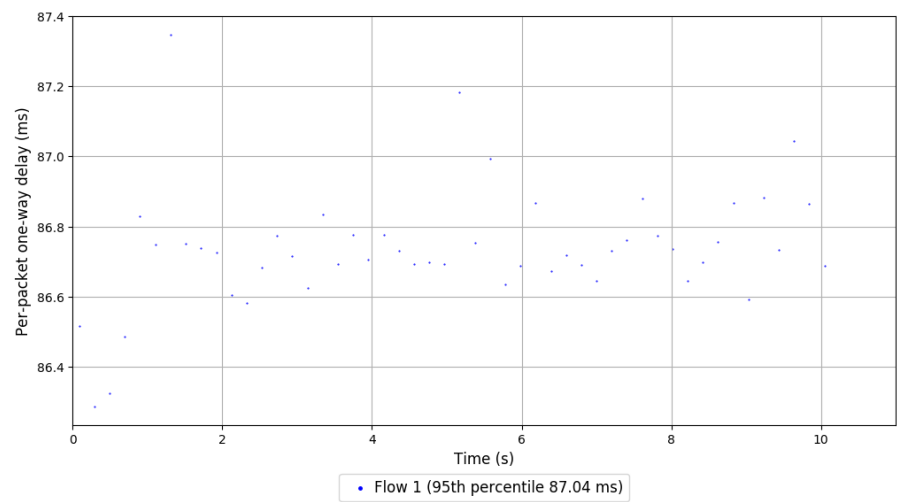
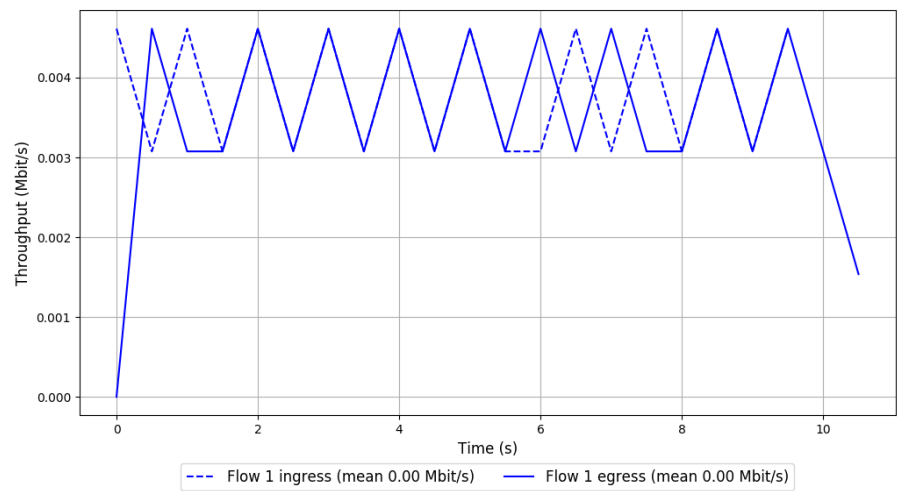
Start at: 2018-06-29 12:25:43

End at: 2018-06-29 12:26:13

Local clock offset: -0.631 ms

Remote clock offset: 0.192 ms

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

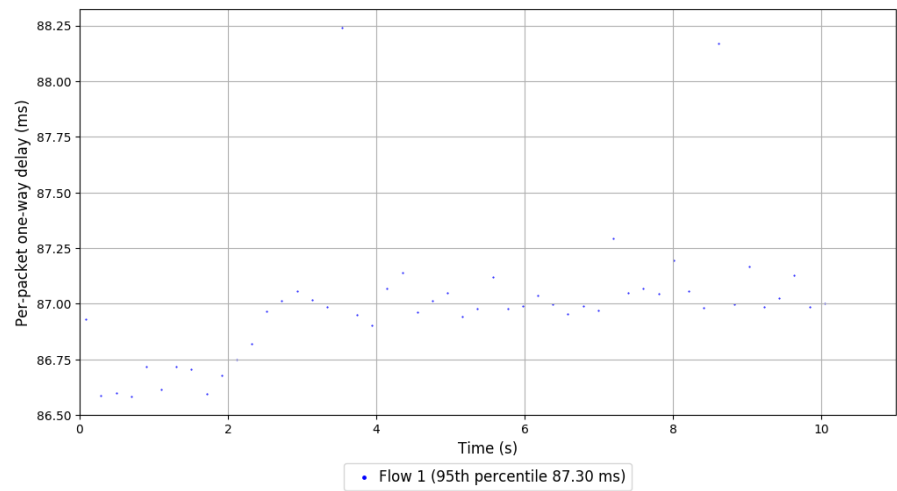
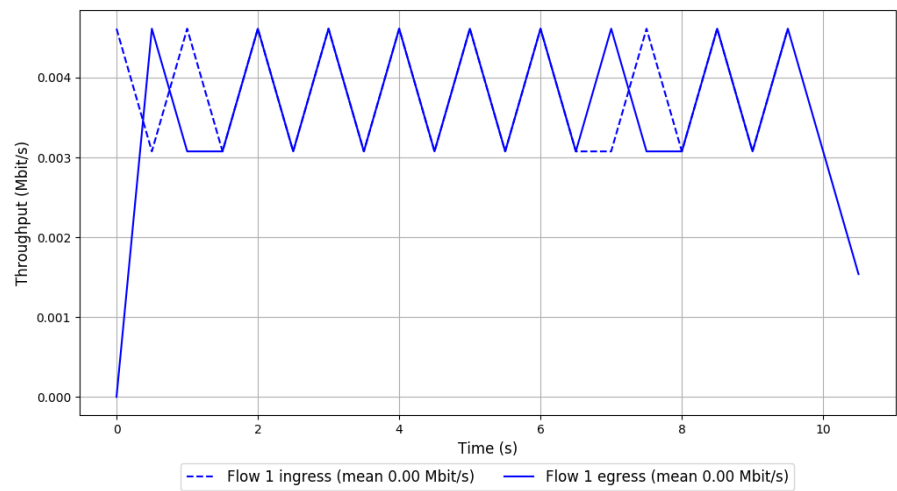
Start at: 2018-06-29 12:47:42

End at: 2018-06-29 12:48:12

Local clock offset: -0.307 ms

Remote clock offset: 0.217 ms

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

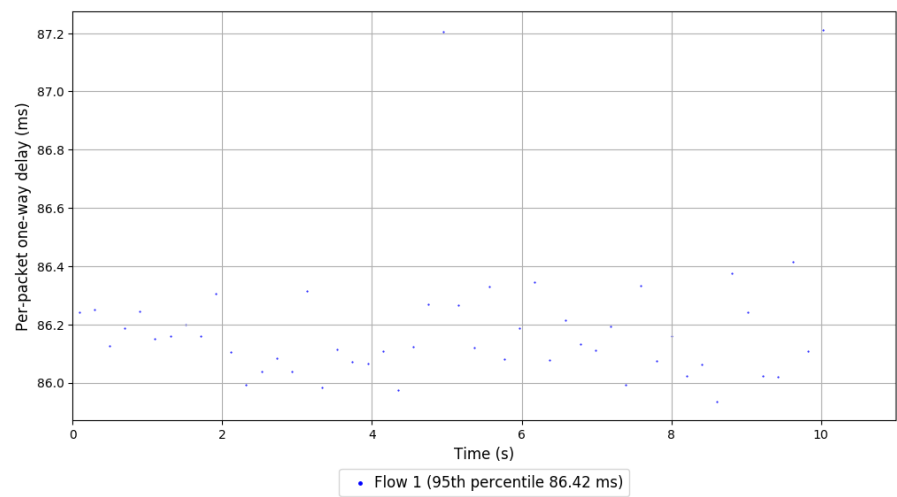
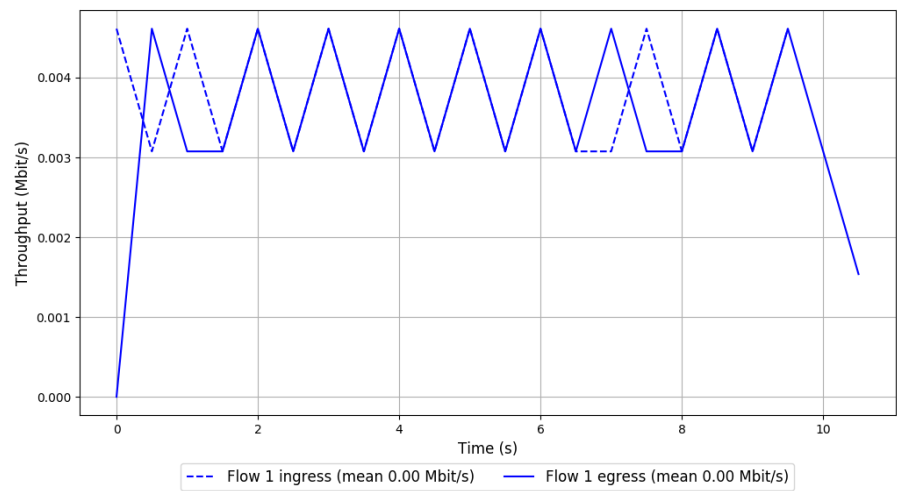
Start at: 2018-06-29 13:09:32

End at: 2018-06-29 13:10:02

Local clock offset: -0.123 ms

Remote clock offset: 0.312 ms

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

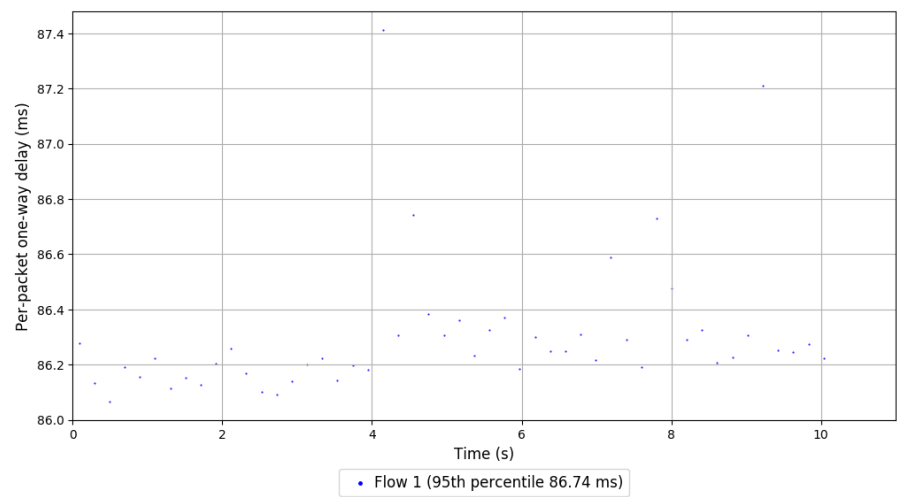
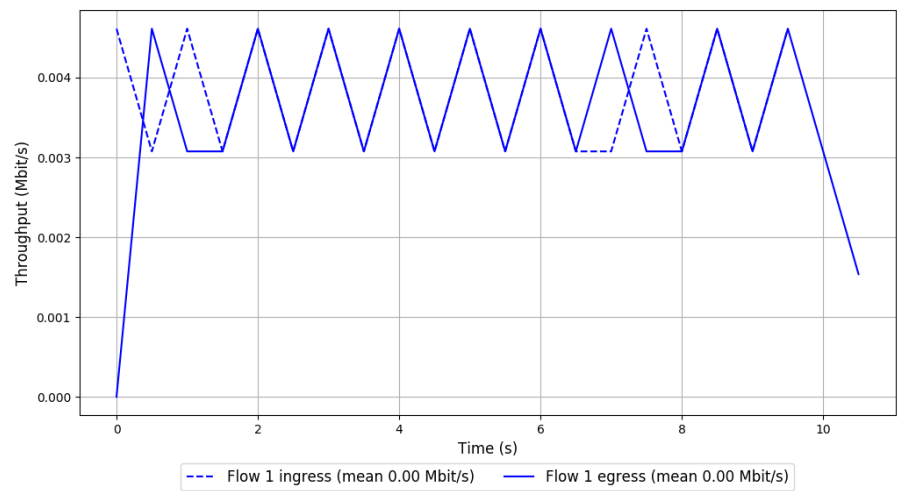
Start at: 2018-06-29 13:31:20

End at: 2018-06-29 13:31:50

Local clock offset: -0.418 ms

Remote clock offset: -0.065 ms

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

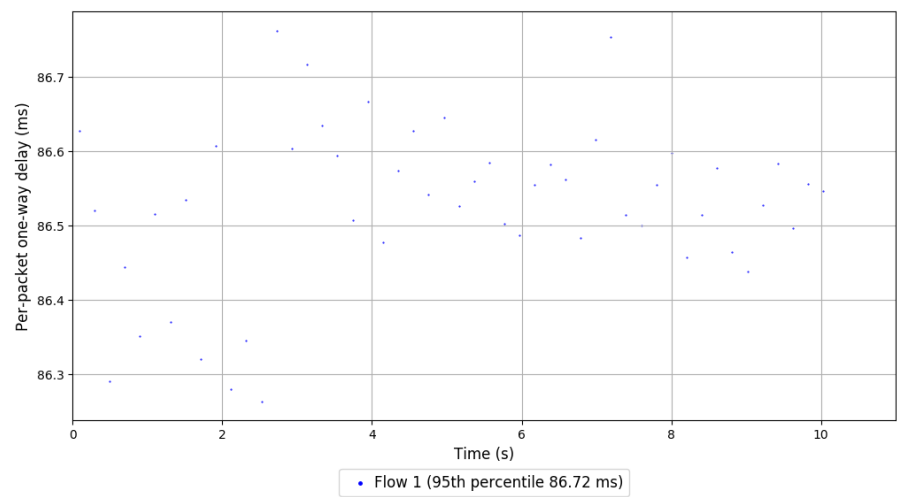
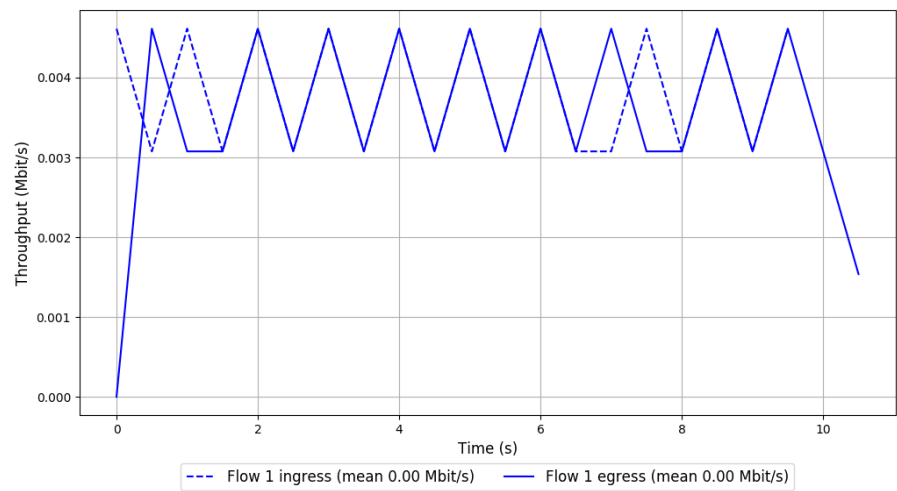
Start at: 2018-06-29 13:53:11

End at: 2018-06-29 13:53:41

Local clock offset: -0.865 ms

Remote clock offset: -0.058 ms

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

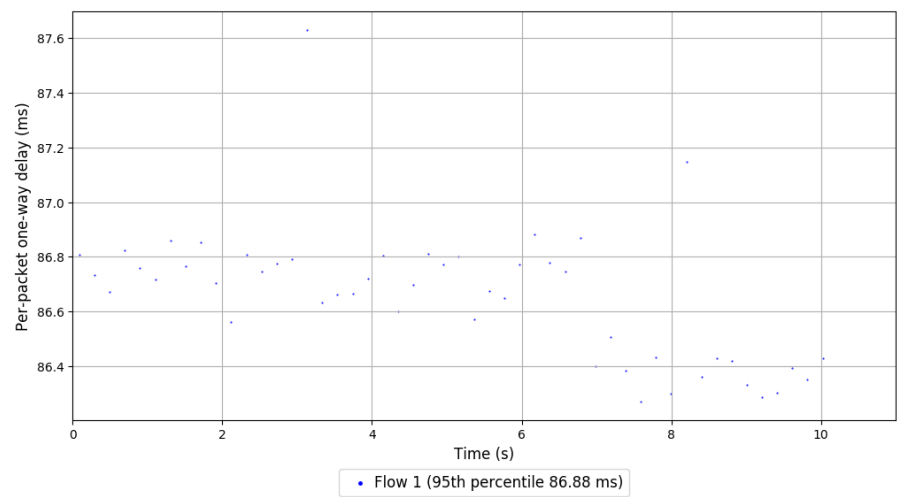
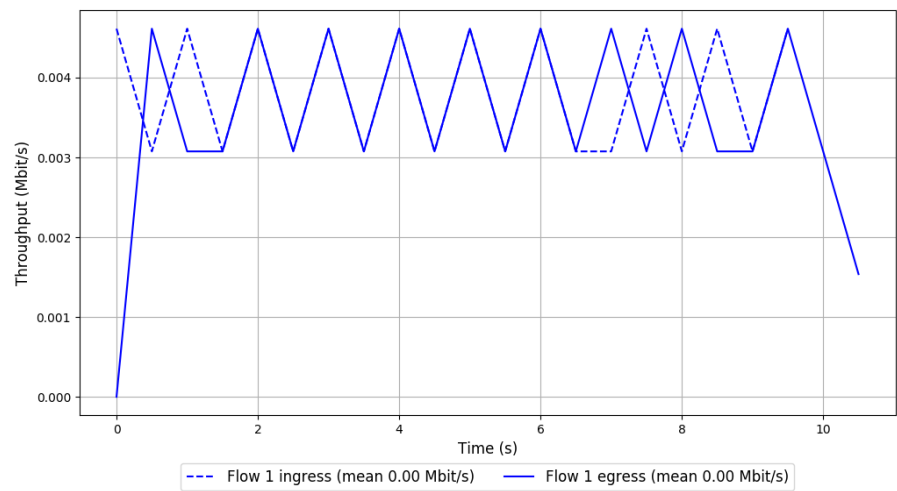
Start at: 2018-06-29 14:15:07

End at: 2018-06-29 14:15:37

Local clock offset: -0.954 ms

Remote clock offset: -0.091 ms

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

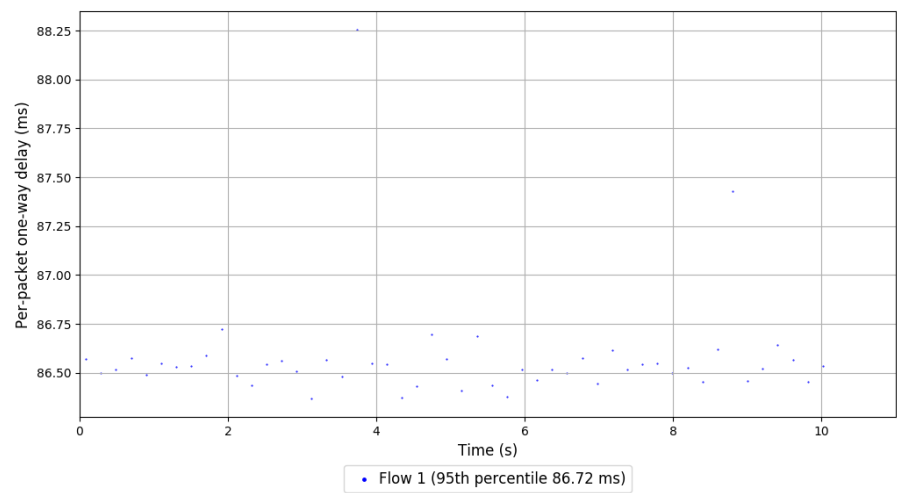
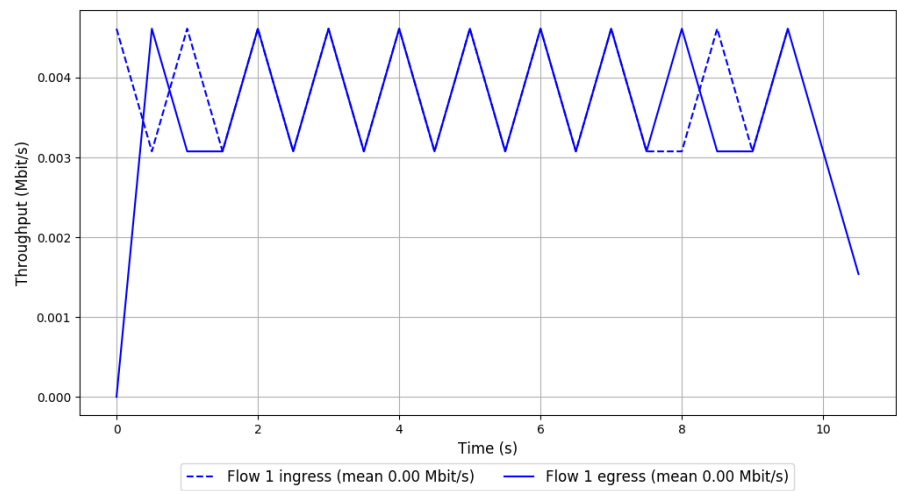
Start at: 2018-06-29 14:36:54

End at: 2018-06-29 14:37:24

Local clock offset: -0.131 ms

Remote clock offset: 0.008 ms

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

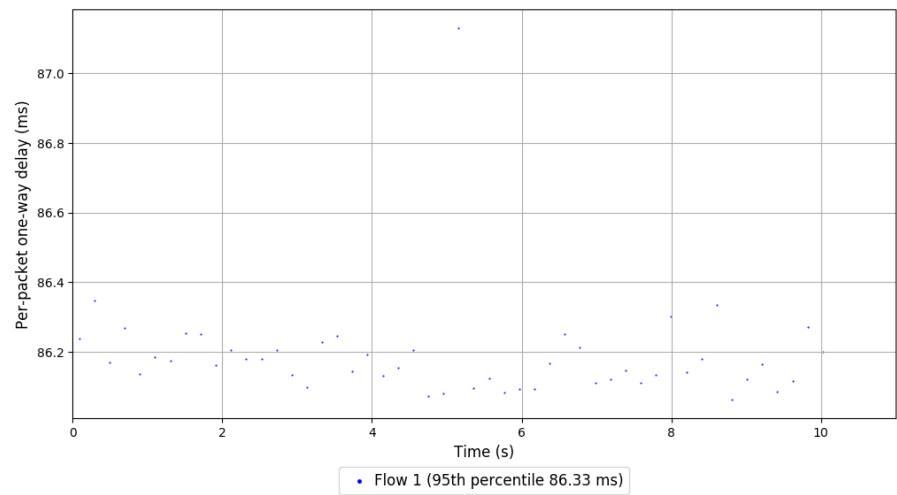
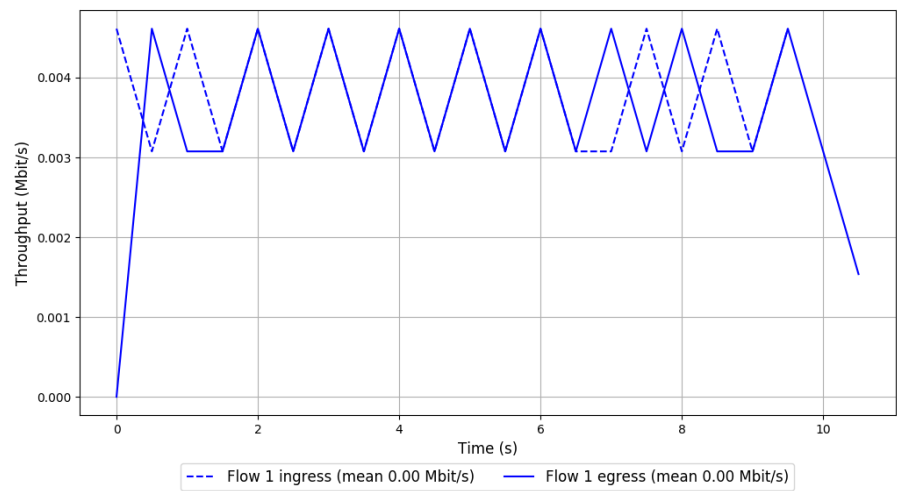
Start at: 2018-06-29 14:58:46

End at: 2018-06-29 14:59:16

Local clock offset: 0.208 ms

Remote clock offset: -0.046 ms

Run 10: Report of FillP-Sheep — Data Link

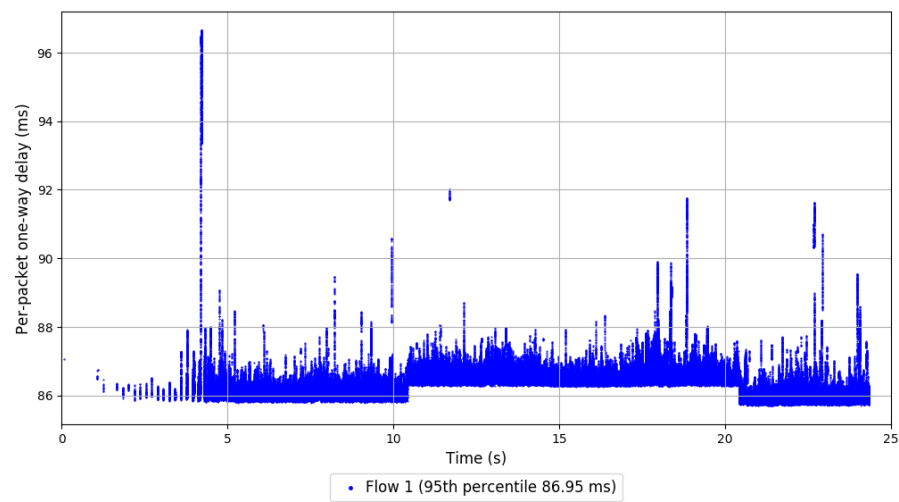
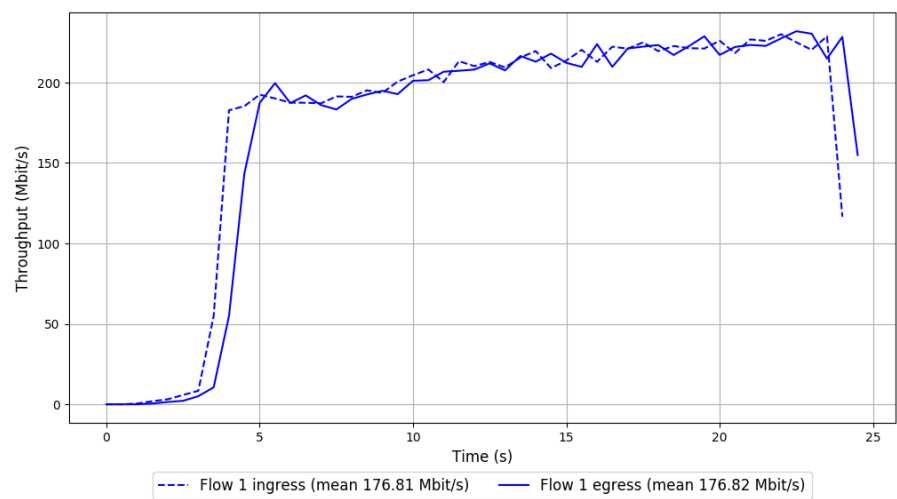


Run 1: Statistics of Indigo

Start at: 2018-06-29 11:50:38
End at: 2018-06-29 11:51:08
Local clock offset: -0.527 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-06-29 15:53:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 176.82 Mbit/s
95th percentile per-packet one-way delay: 86.949 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 176.82 Mbit/s
95th percentile per-packet one-way delay: 86.949 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-06-29 12:12:29

End at: 2018-06-29 12:12:59

Local clock offset: -0.514 ms

Remote clock offset: 0.098 ms

Below is generated by plot.py at 2018-06-29 15:53:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.08 Mbit/s

95th percentile per-packet one-way delay: 86.937 ms

Loss rate: 0.00%

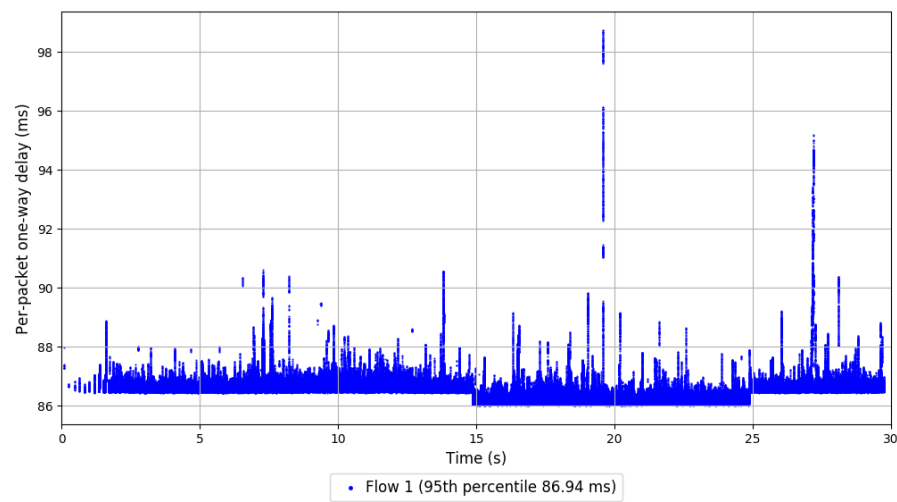
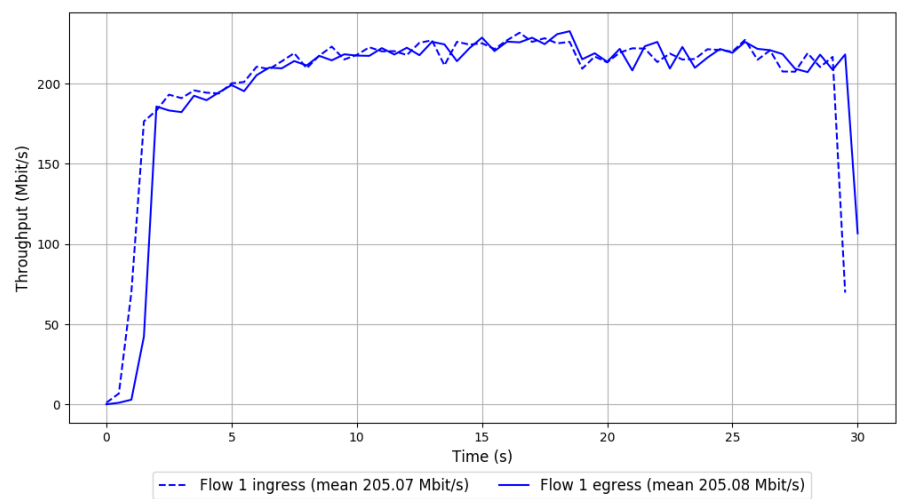
-- Flow 1:

Average throughput: 205.08 Mbit/s

95th percentile per-packet one-way delay: 86.937 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-06-29 12:34:08

End at: 2018-06-29 12:34:38

Local clock offset: -0.725 ms

Remote clock offset: 0.209 ms

Below is generated by plot.py at 2018-06-29 15:53:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.21 Mbit/s

95th percentile per-packet one-way delay: 87.079 ms

Loss rate: 0.00%

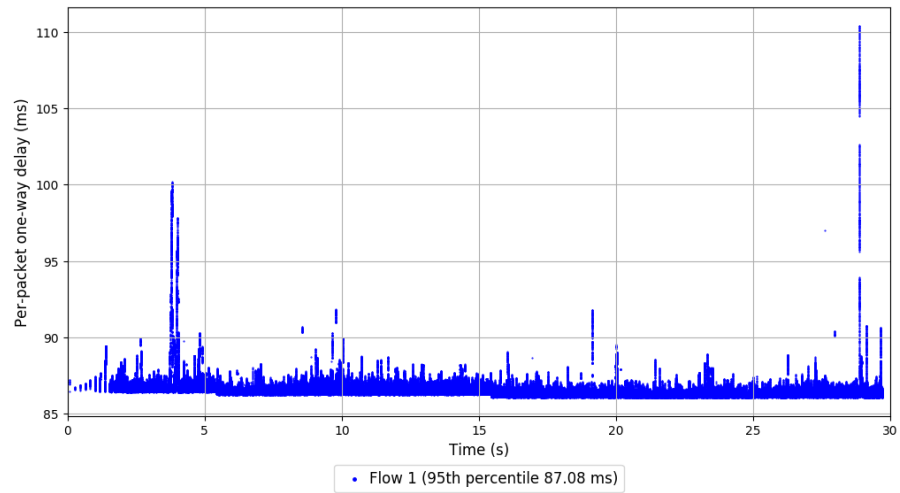
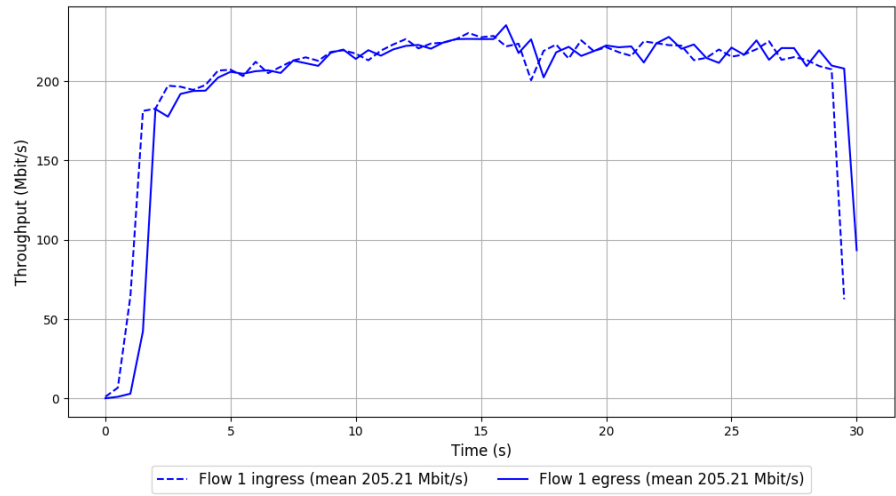
-- Flow 1:

Average throughput: 205.21 Mbit/s

95th percentile per-packet one-way delay: 87.079 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-06-29 12:56:05

End at: 2018-06-29 12:56:35

Local clock offset: -0.196 ms

Remote clock offset: 0.232 ms

Below is generated by plot.py at 2018-06-29 15:53:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.39 Mbit/s

95th percentile per-packet one-way delay: 87.140 ms

Loss rate: 0.00%

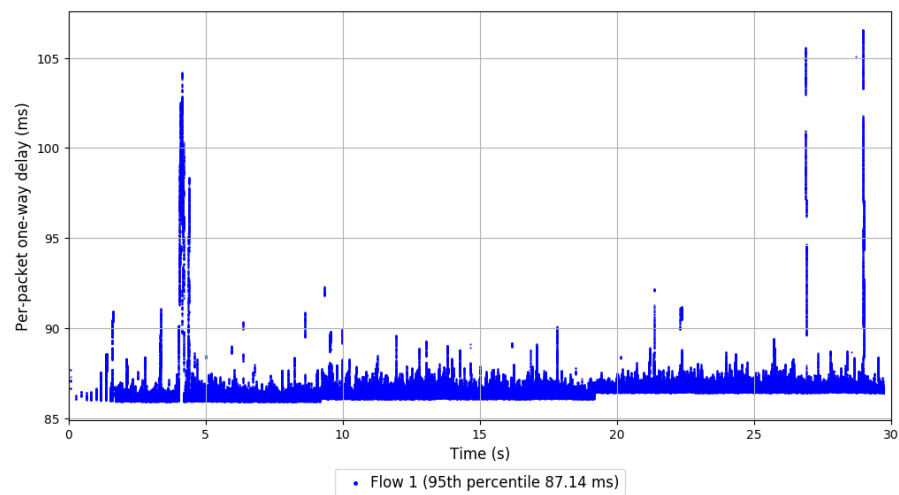
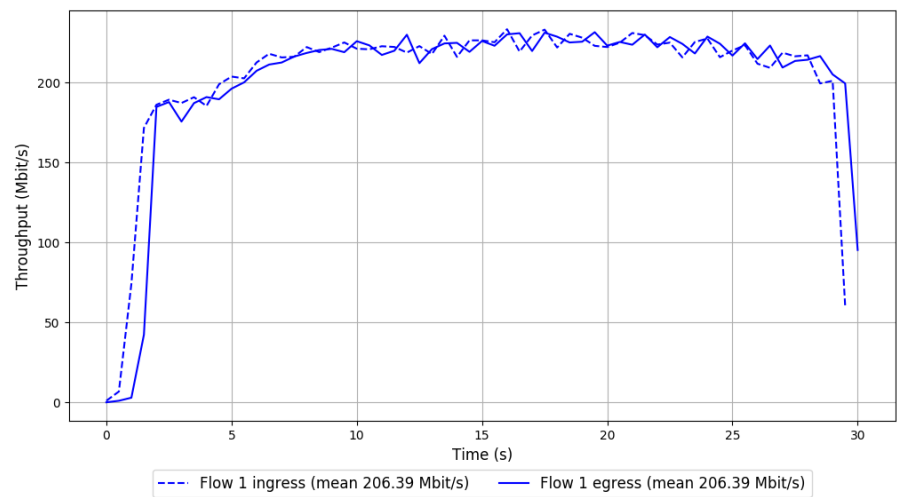
-- Flow 1:

Average throughput: 206.39 Mbit/s

95th percentile per-packet one-way delay: 87.140 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-06-29 13:17:55

End at: 2018-06-29 13:18:25

Local clock offset: -0.388 ms

Remote clock offset: 0.106 ms

Below is generated by plot.py at 2018-06-29 15:53:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.13 Mbit/s

95th percentile per-packet one-way delay: 86.928 ms

Loss rate: 0.00%

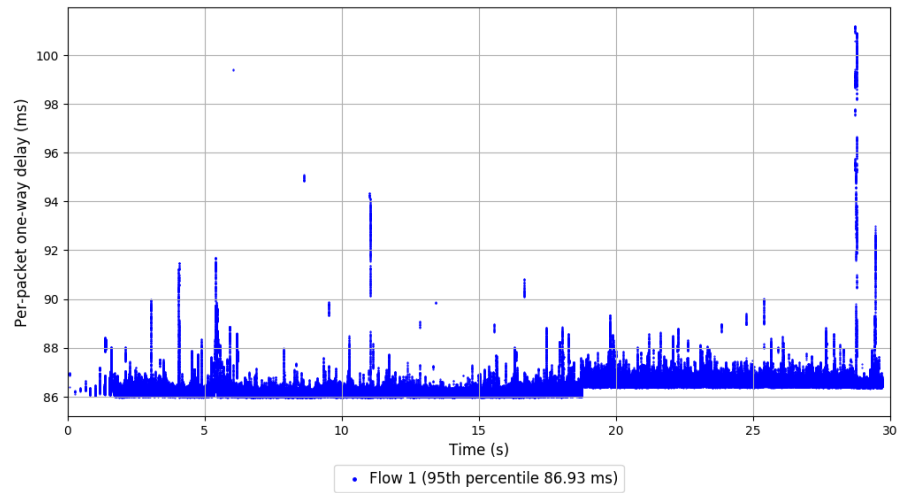
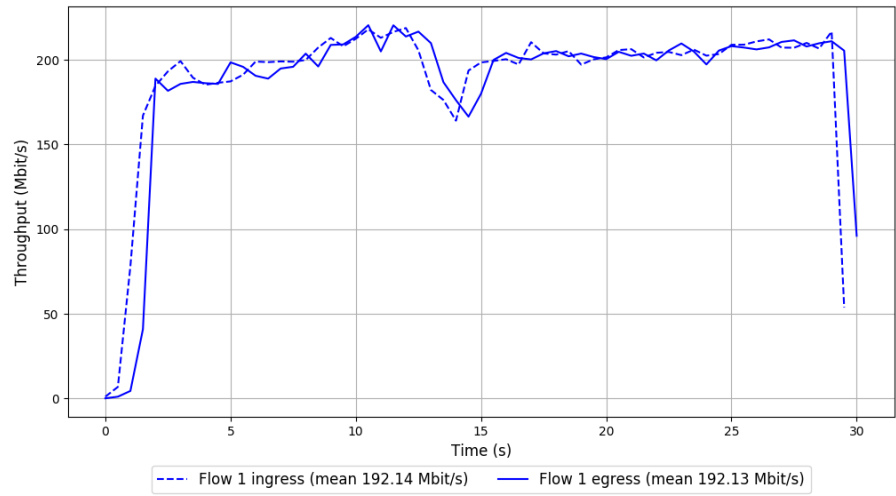
-- Flow 1:

Average throughput: 192.13 Mbit/s

95th percentile per-packet one-way delay: 86.928 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

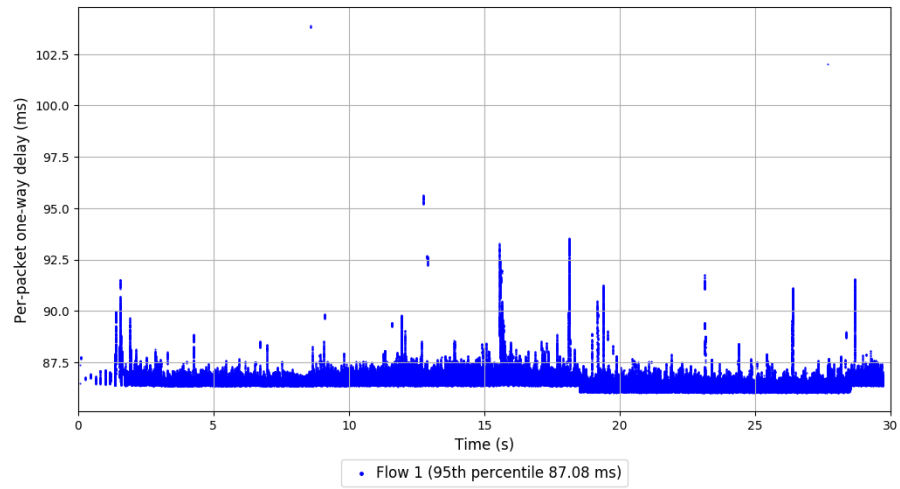
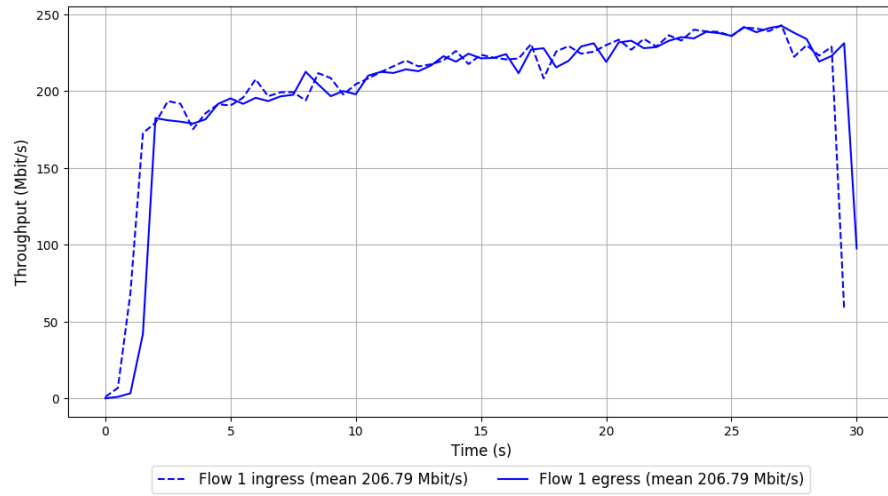


Run 6: Statistics of Indigo

Start at: 2018-06-29 13:39:45
End at: 2018-06-29 13:40:15
Local clock offset: -0.561 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-06-29 15:53:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 206.79 Mbit/s
95th percentile per-packet one-way delay: 87.076 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 206.79 Mbit/s
95th percentile per-packet one-way delay: 87.076 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

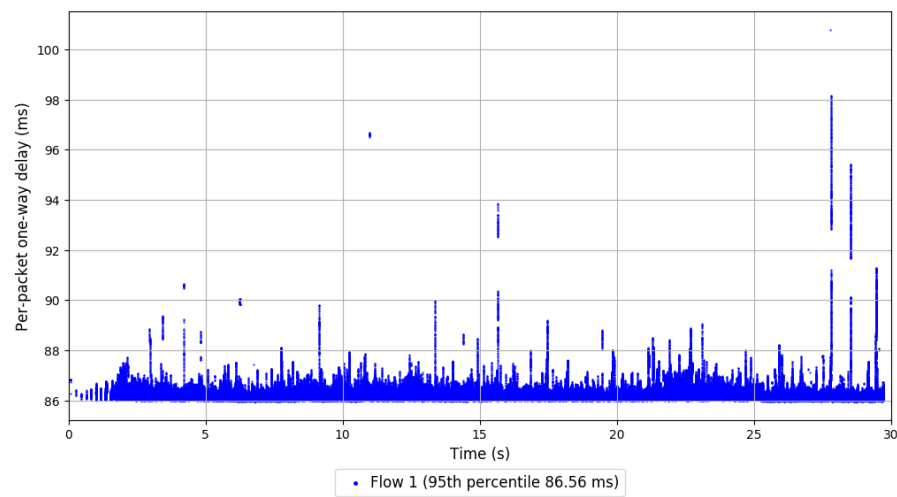
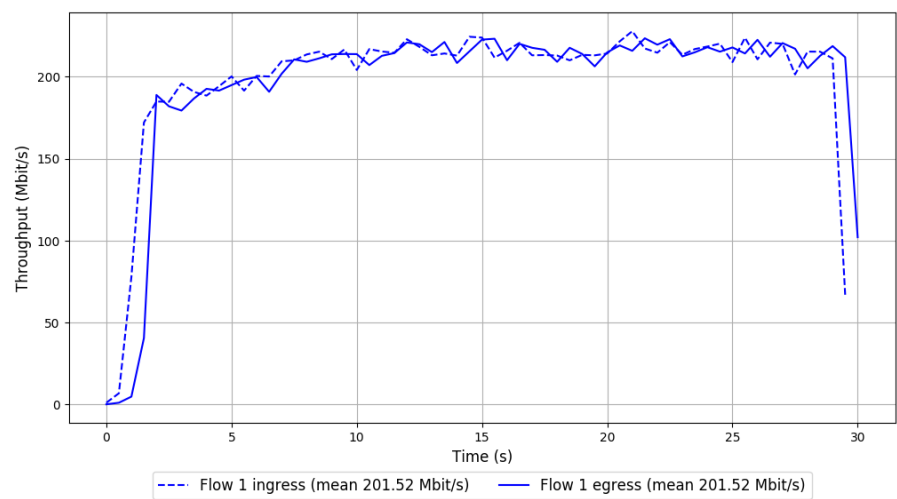


Run 7: Statistics of Indigo

Start at: 2018-06-29 14:01:38
End at: 2018-06-29 14:02:08
Local clock offset: -0.748 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-06-29 15:53:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 201.52 Mbit/s
95th percentile per-packet one-way delay: 86.565 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 201.52 Mbit/s
95th percentile per-packet one-way delay: 86.565 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

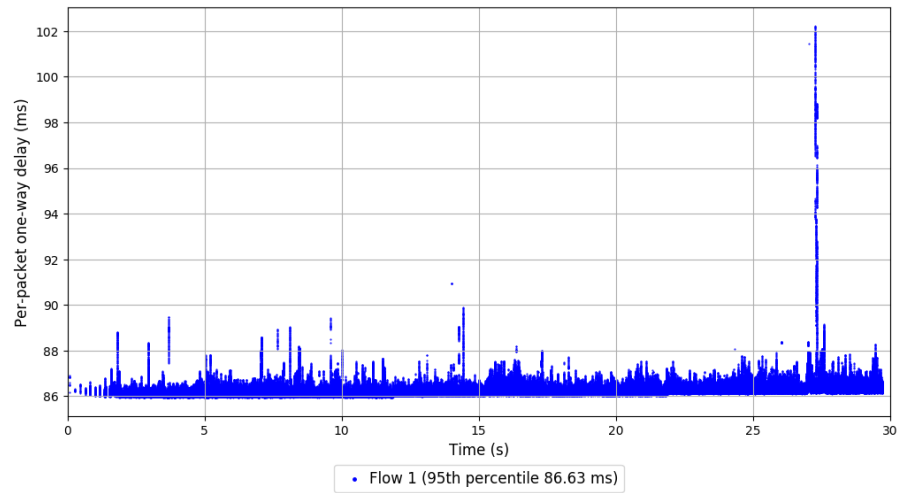
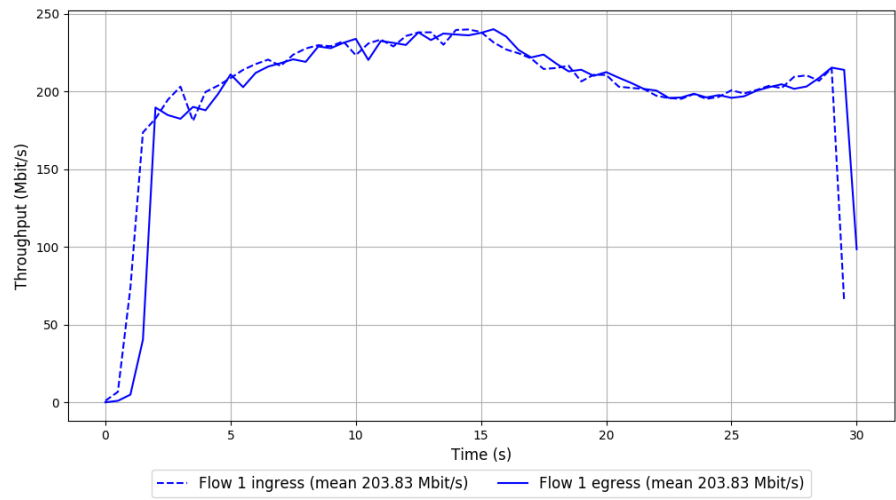


Run 8: Statistics of Indigo

Start at: 2018-06-29 14:23:32
End at: 2018-06-29 14:24:02
Local clock offset: -0.581 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-06-29 15:53:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 203.83 Mbit/s
95th percentile per-packet one-way delay: 86.631 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 203.83 Mbit/s
95th percentile per-packet one-way delay: 86.631 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

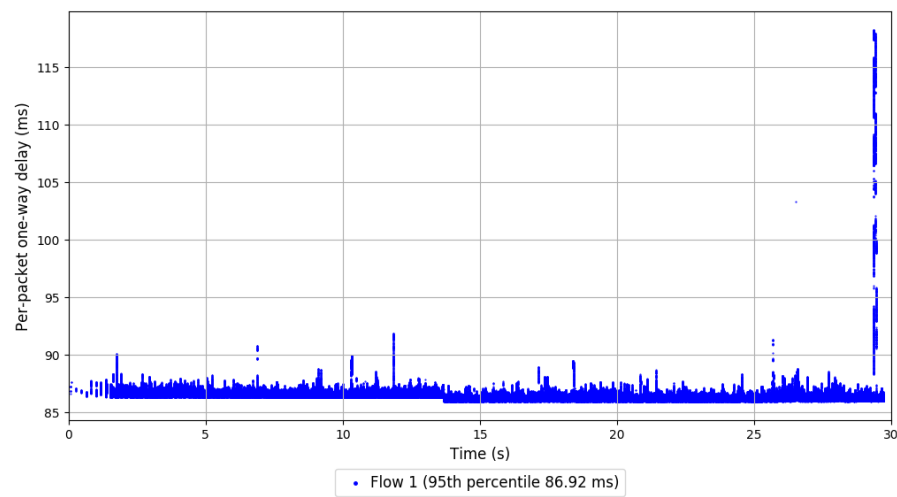
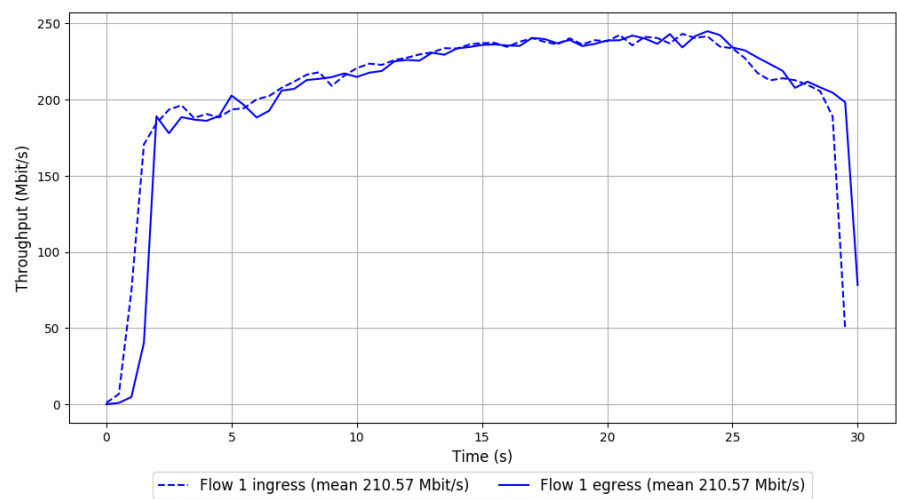


Run 9: Statistics of Indigo

Start at: 2018-06-29 14:45:20
End at: 2018-06-29 14:45:50
Local clock offset: 0.287 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-06-29 15:53:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 210.57 Mbit/s
95th percentile per-packet one-way delay: 86.922 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 210.57 Mbit/s
95th percentile per-packet one-way delay: 86.922 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-06-29 15:07:12

End at: 2018-06-29 15:07:42

Local clock offset: 0.201 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-06-29 15:53:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.46 Mbit/s

95th percentile per-packet one-way delay: 87.013 ms

Loss rate: 0.00%

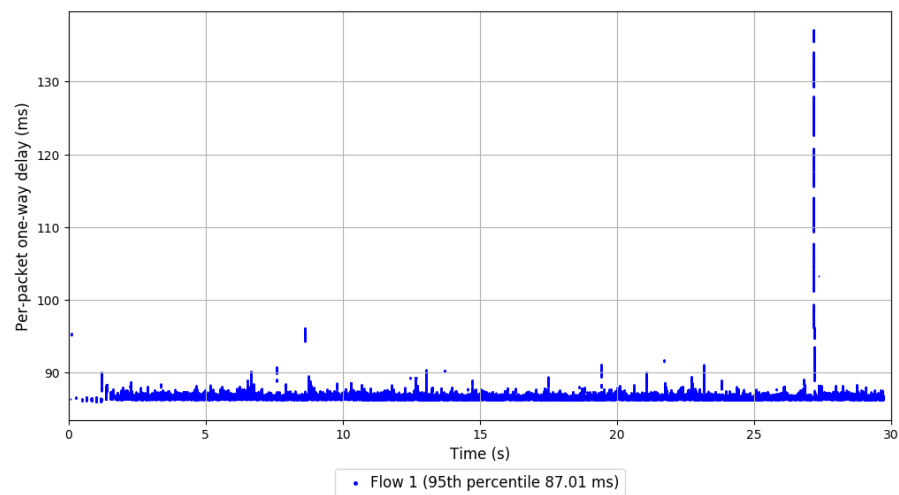
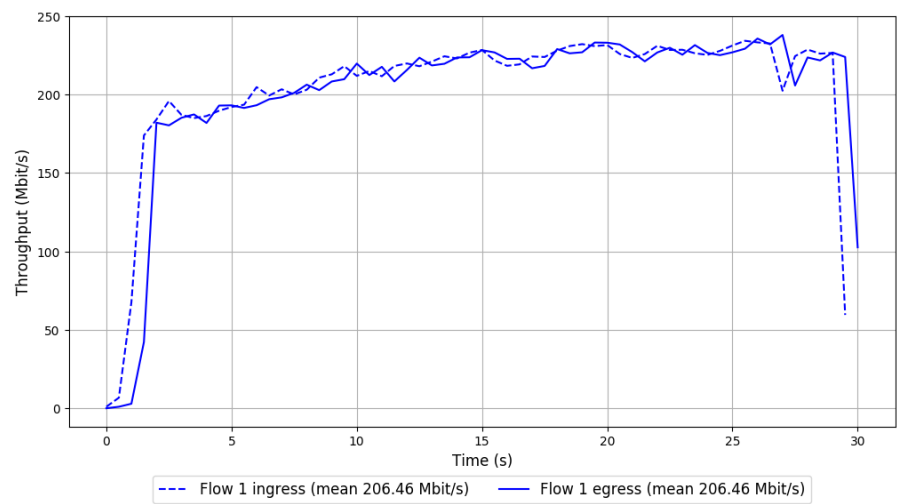
-- Flow 1:

Average throughput: 206.46 Mbit/s

95th percentile per-packet one-way delay: 87.013 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

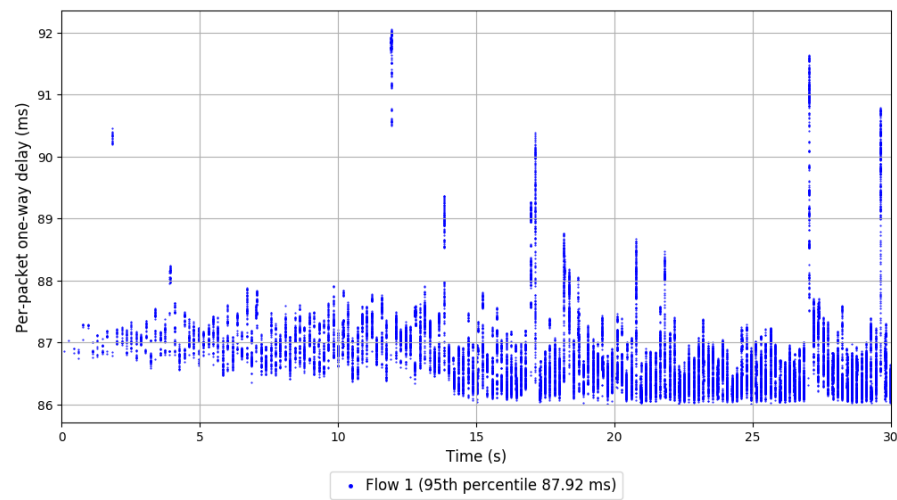
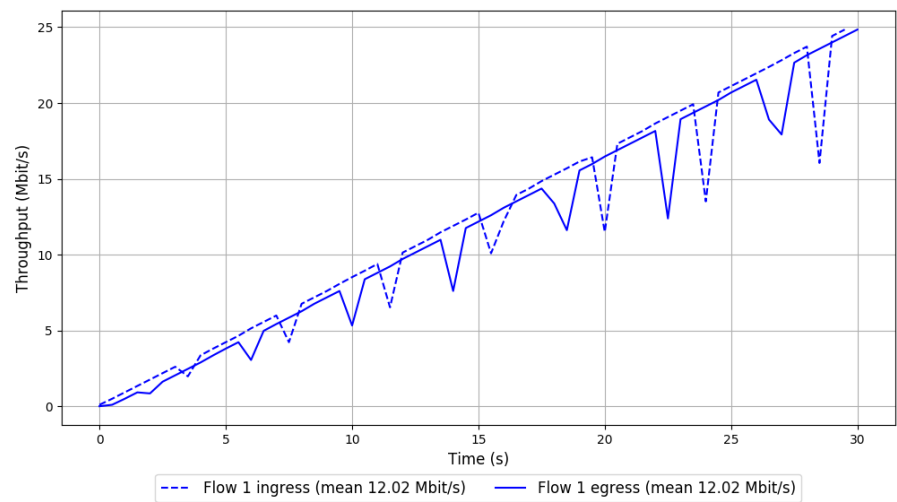


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-29 11:49:30
End at: 2018-06-29 11:50:00
Local clock offset: -0.653 ms
Remote clock offset: 0.024 ms

# Below is generated by plot.py at 2018-06-29 15:53:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 87.916 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 87.916 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-06-29 12:11:21

End at: 2018-06-29 12:11:51

Local clock offset: -0.608 ms

Remote clock offset: 0.143 ms

Below is generated by plot.py at 2018-06-29 15:53:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.11 Mbit/s

95th percentile per-packet one-way delay: 88.075 ms

Loss rate: 0.00%

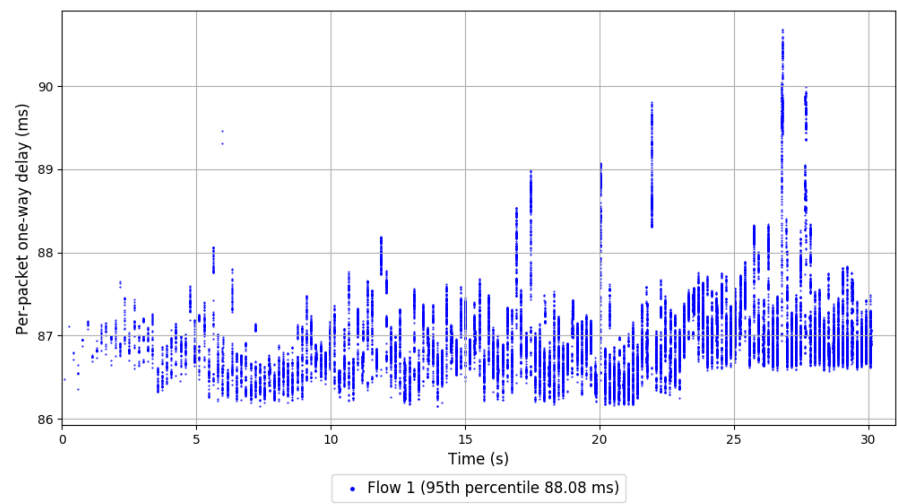
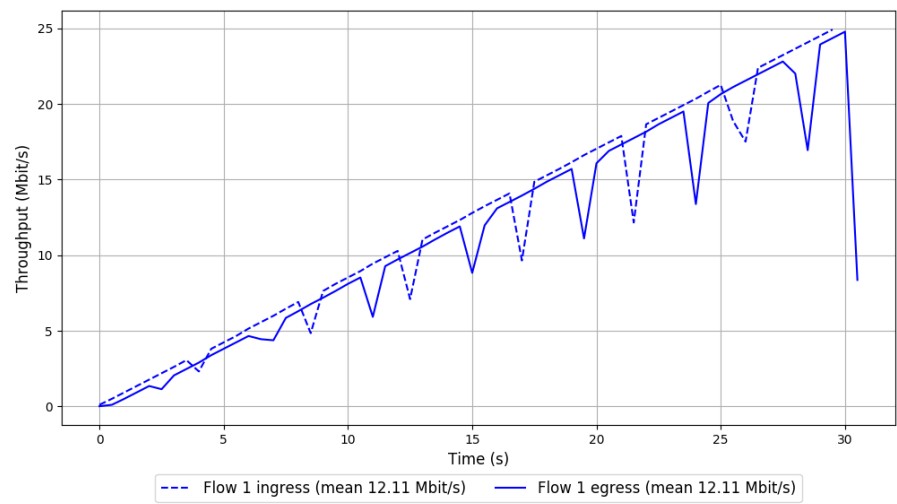
-- Flow 1:

Average throughput: 12.11 Mbit/s

95th percentile per-packet one-way delay: 88.075 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-06-29 12:33:00

End at: 2018-06-29 12:33:30

Local clock offset: -0.498 ms

Remote clock offset: 0.098 ms

Below is generated by plot.py at 2018-06-29 15:53:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.05 Mbit/s

95th percentile per-packet one-way delay: 87.585 ms

Loss rate: 0.00%

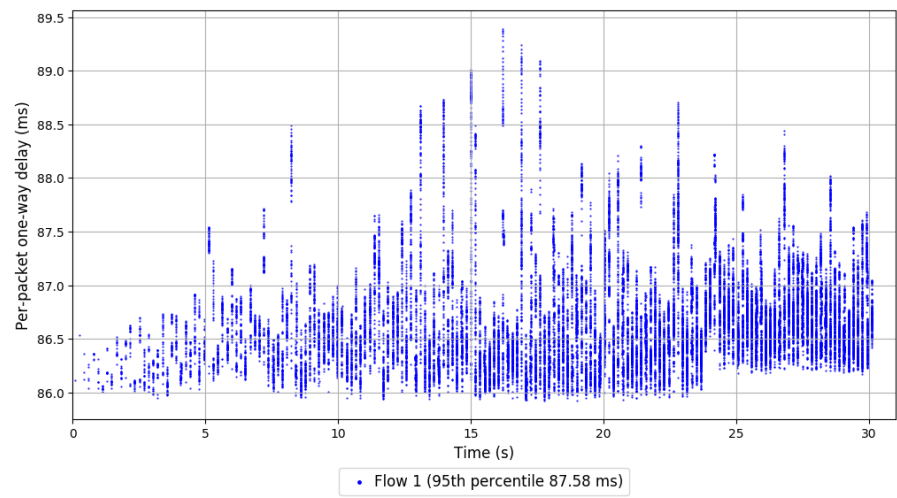
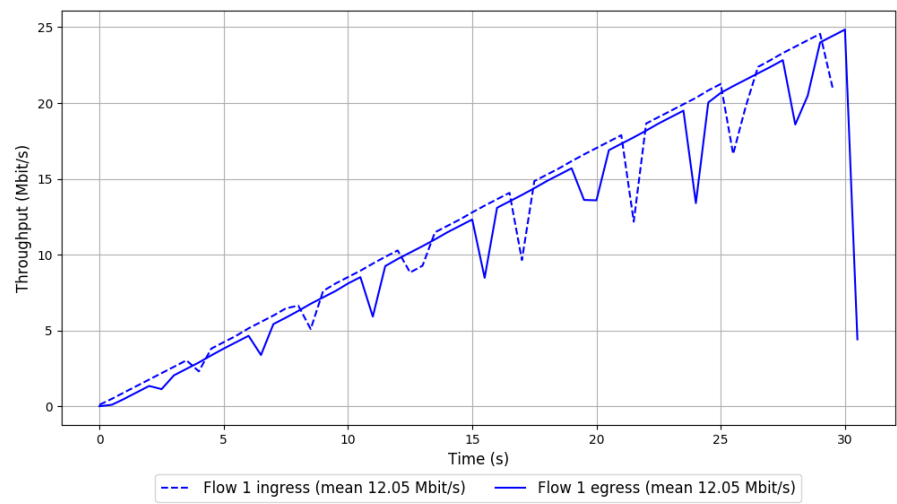
-- Flow 1:

Average throughput: 12.05 Mbit/s

95th percentile per-packet one-way delay: 87.585 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-06-29 12:54:57

End at: 2018-06-29 12:55:27

Local clock offset: -0.141 ms

Remote clock offset: 0.176 ms

Below is generated by plot.py at 2018-06-29 15:53:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.11 Mbit/s

95th percentile per-packet one-way delay: 87.547 ms

Loss rate: 0.00%

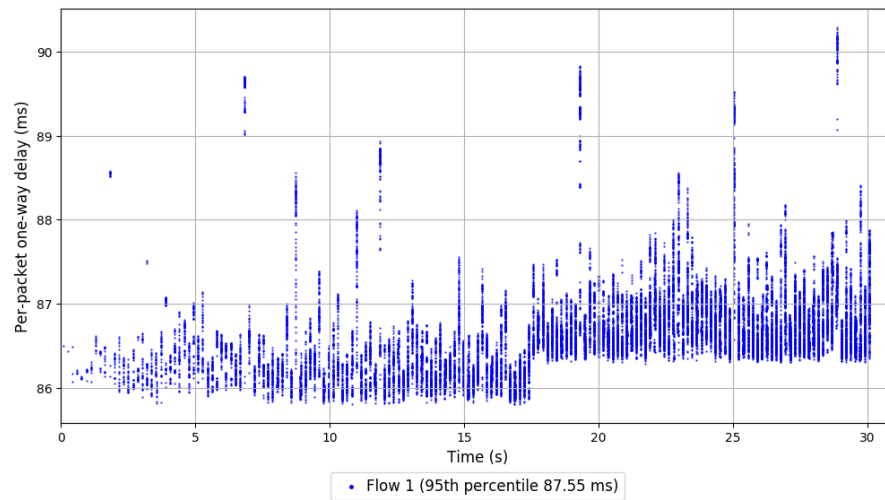
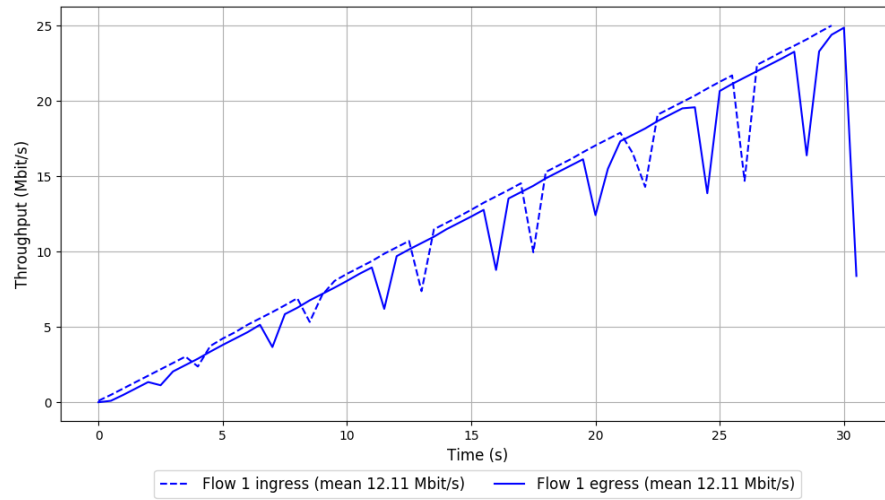
-- Flow 1:

Average throughput: 12.11 Mbit/s

95th percentile per-packet one-way delay: 87.547 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-06-29 13:16:48

End at: 2018-06-29 13:17:18

Local clock offset: -0.284 ms

Remote clock offset: 0.161 ms

Below is generated by plot.py at 2018-06-29 15:53:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.44 Mbit/s

95th percentile per-packet one-way delay: 87.846 ms

Loss rate: 0.00%

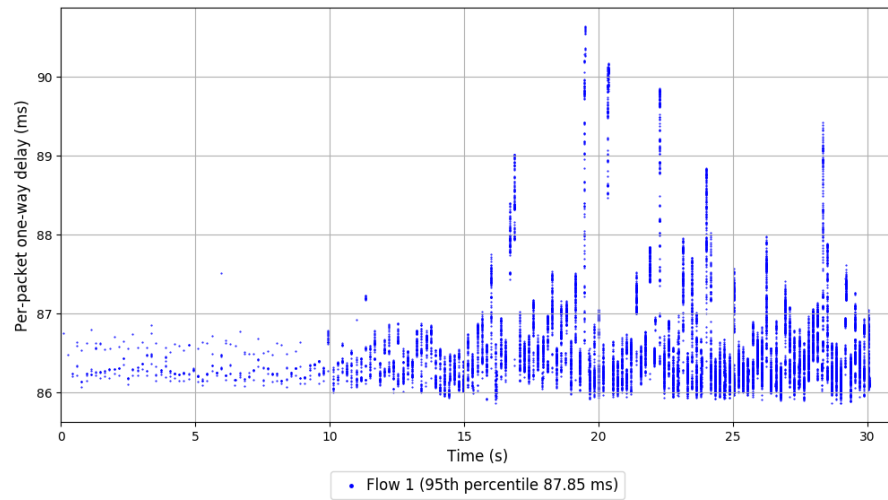
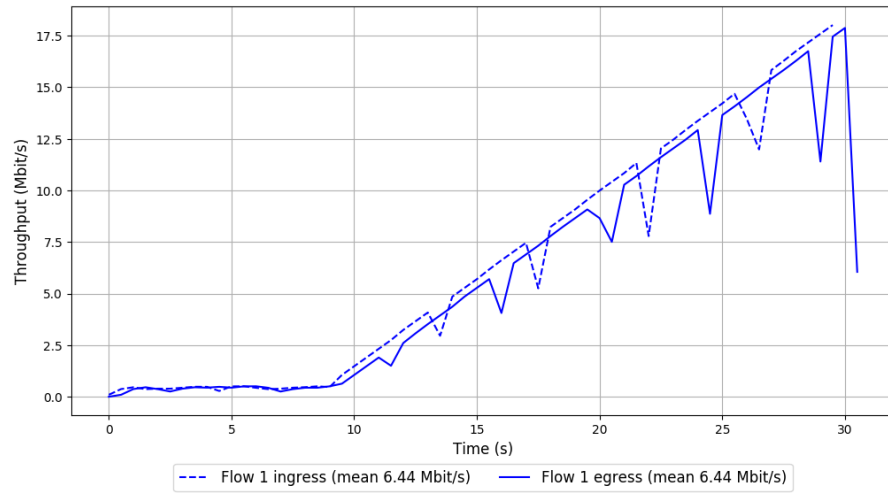
-- Flow 1:

Average throughput: 6.44 Mbit/s

95th percentile per-packet one-way delay: 87.846 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

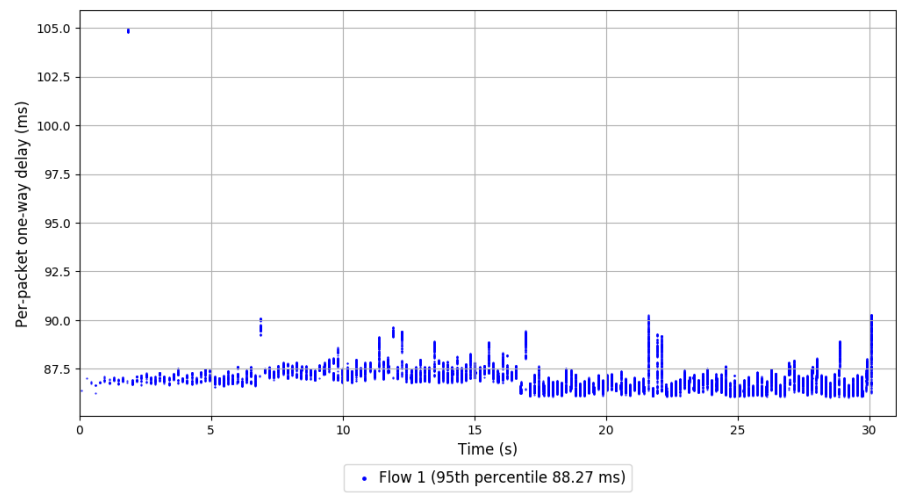
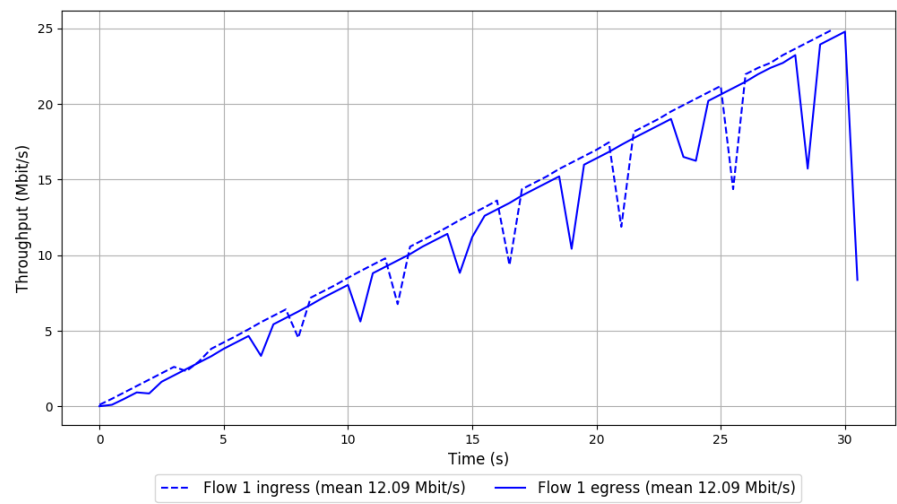


Run 6: Statistics of LEDBAT

Start at: 2018-06-29 13:38:37
End at: 2018-06-29 13:39:07
Local clock offset: -0.677 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-06-29 15:53:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.09 Mbit/s
95th percentile per-packet one-way delay: 88.270 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.09 Mbit/s
95th percentile per-packet one-way delay: 88.270 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

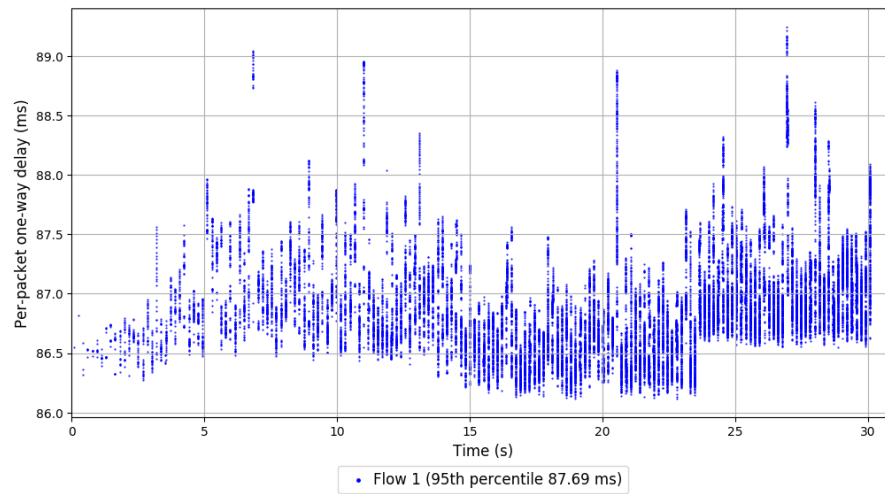
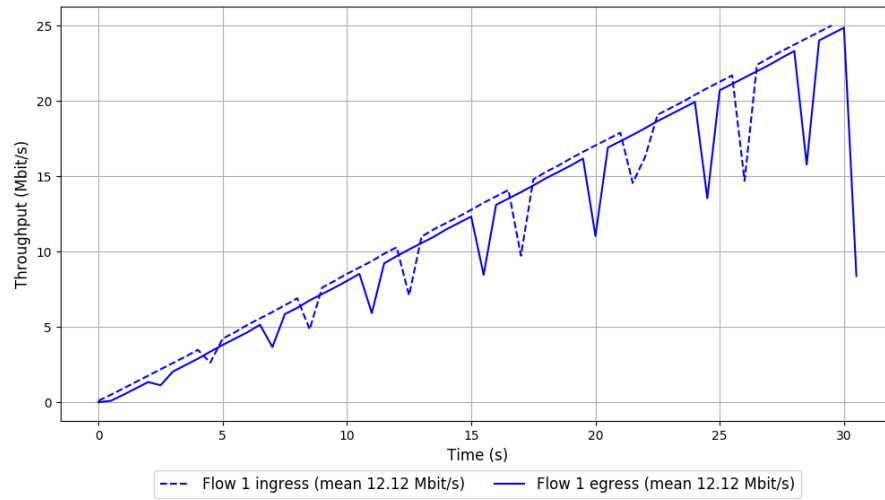


Run 7: Statistics of LEDBAT

Start at: 2018-06-29 14:00:30
End at: 2018-06-29 14:01:00
Local clock offset: -0.862 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-06-29 15:53:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 87.692 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 87.692 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

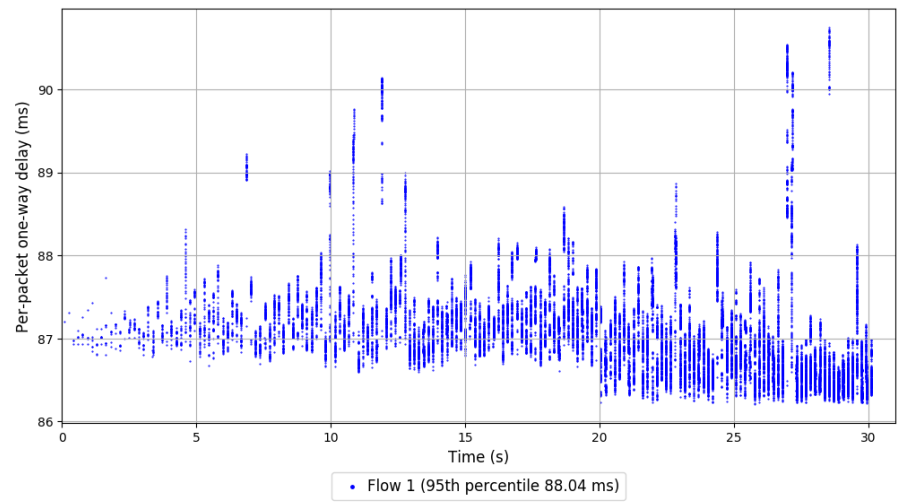
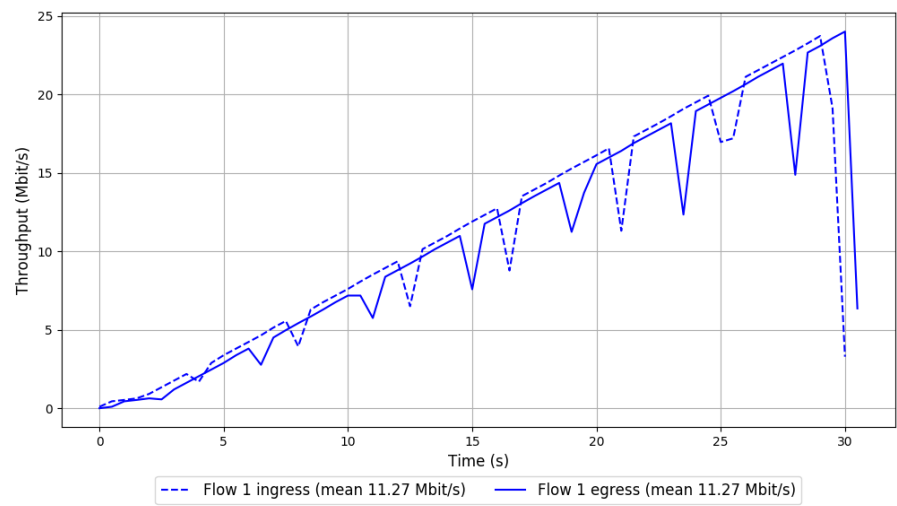


Run 8: Statistics of LEDBAT

Start at: 2018-06-29 14:22:24
End at: 2018-06-29 14:22:54
Local clock offset: -0.781 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-06-29 15:53:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.27 Mbit/s
95th percentile per-packet one-way delay: 88.042 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.27 Mbit/s
95th percentile per-packet one-way delay: 88.042 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-06-29 14:44:12

End at: 2018-06-29 14:44:42

Local clock offset: 0.122 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-06-29 15:53:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.78 Mbit/s

95th percentile per-packet one-way delay: 87.738 ms

Loss rate: 0.00%

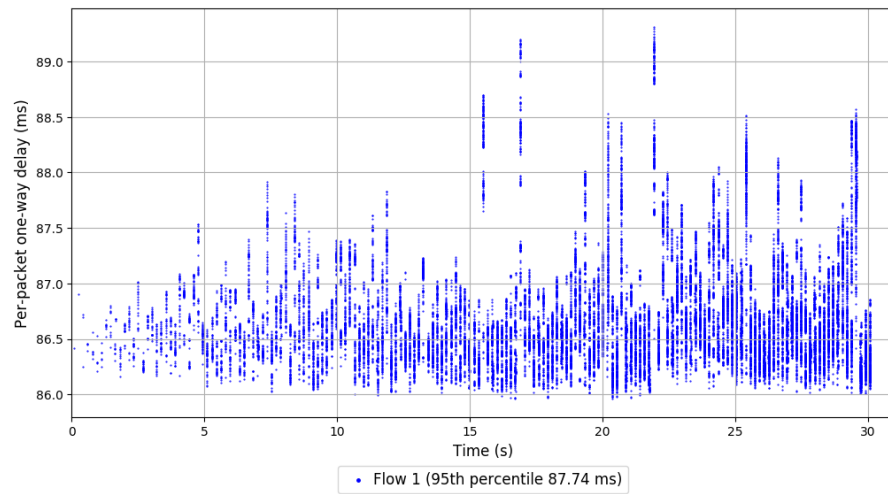
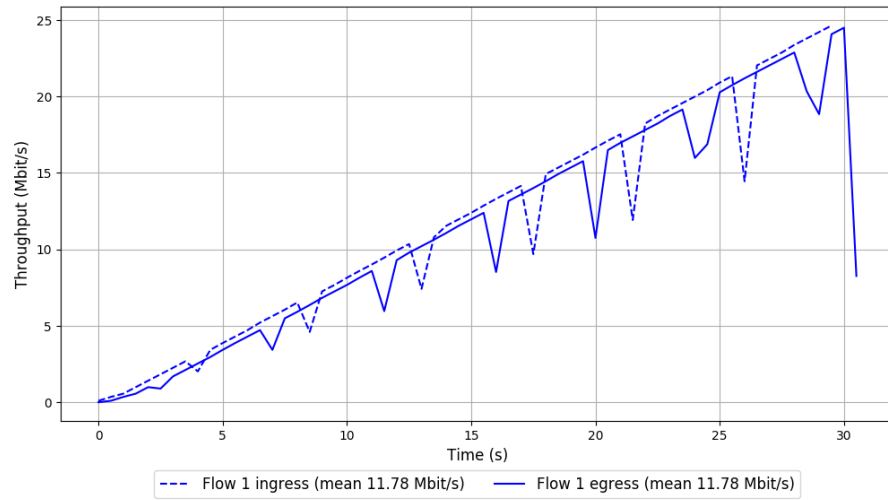
-- Flow 1:

Average throughput: 11.78 Mbit/s

95th percentile per-packet one-way delay: 87.738 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-06-29 15:06:05

End at: 2018-06-29 15:06:35

Local clock offset: 0.318 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-06-29 15:53:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.00 Mbit/s

95th percentile per-packet one-way delay: 87.414 ms

Loss rate: 0.00%

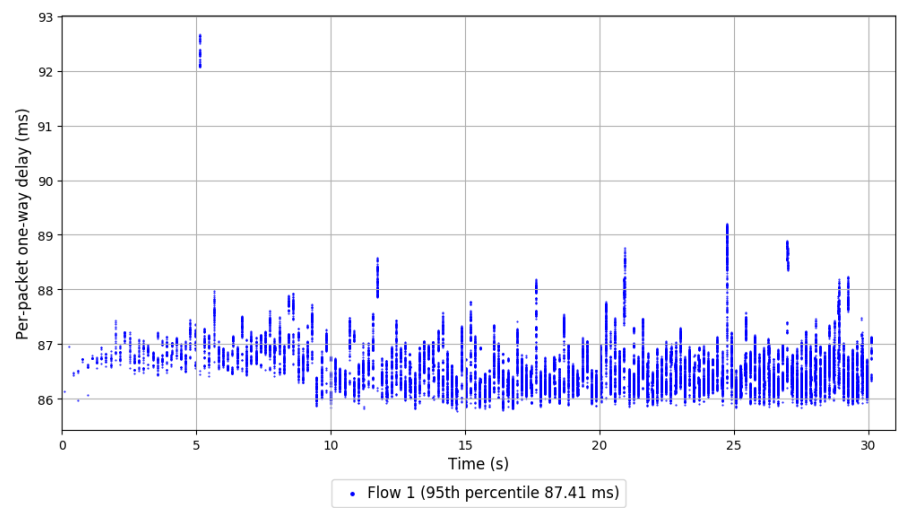
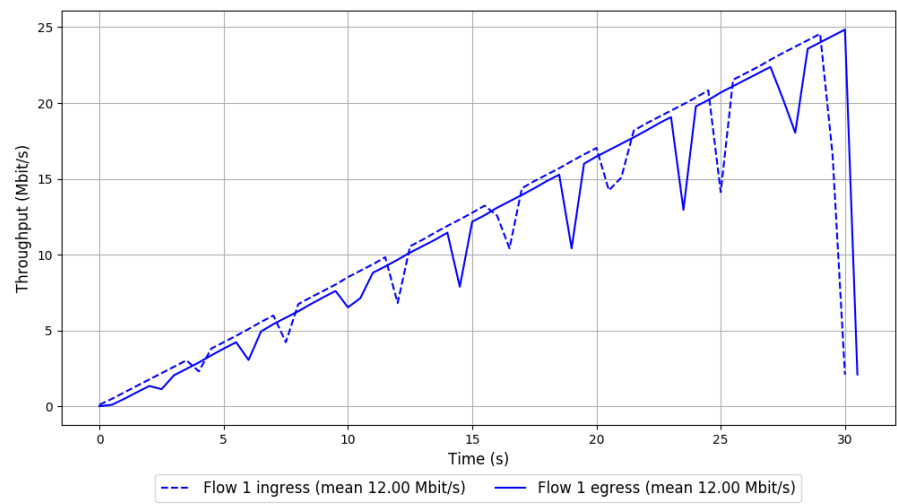
-- Flow 1:

Average throughput: 12.00 Mbit/s

95th percentile per-packet one-way delay: 87.414 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

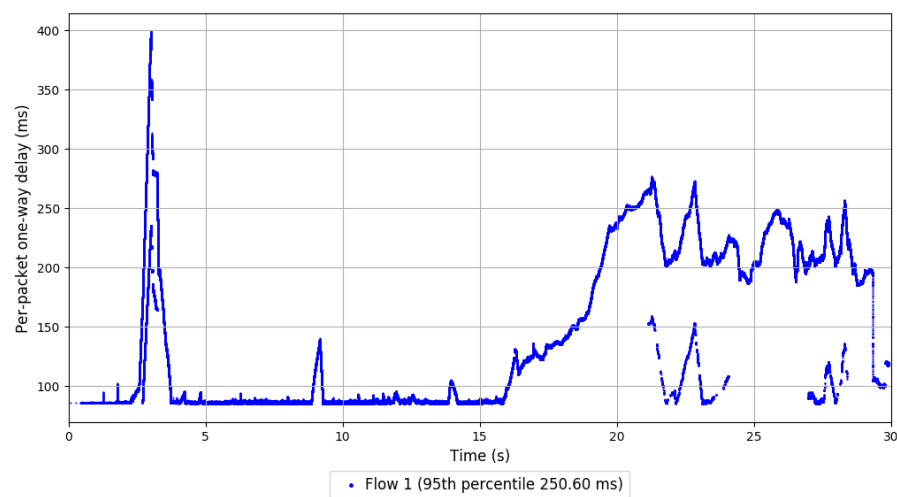
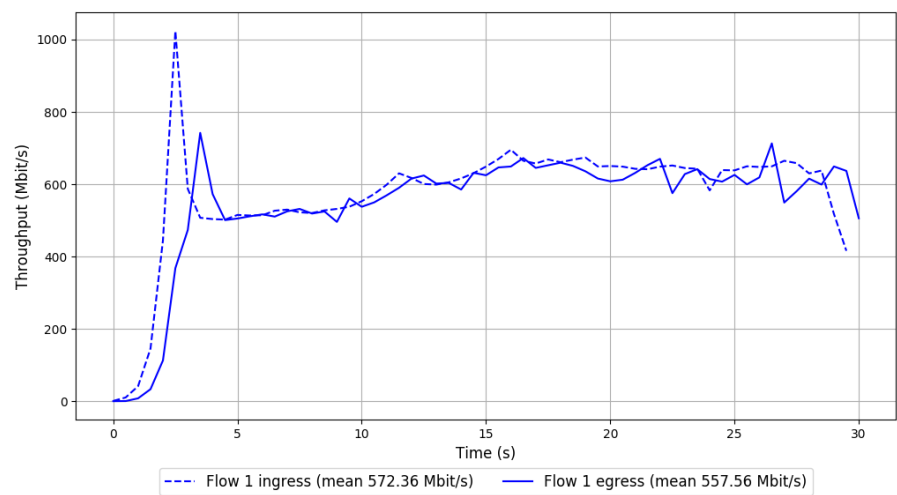


Run 1: Statistics of PCC-Allegro

Start at: 2018-06-29 11:30:21
End at: 2018-06-29 11:30:51
Local clock offset: 0.166 ms
Remote clock offset: -1.522 ms

Below is generated by plot.py at 2018-06-29 16:00:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 557.56 Mbit/s
95th percentile per-packet one-way delay: 250.603 ms
Loss rate: 2.58%
-- Flow 1:
Average throughput: 557.56 Mbit/s
95th percentile per-packet one-way delay: 250.603 ms
Loss rate: 2.58%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-06-29 11:51:55

End at: 2018-06-29 11:52:25

Local clock offset: -0.686 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-06-29 16:00:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 507.96 Mbit/s

95th percentile per-packet one-way delay: 146.081 ms

Loss rate: 0.64%

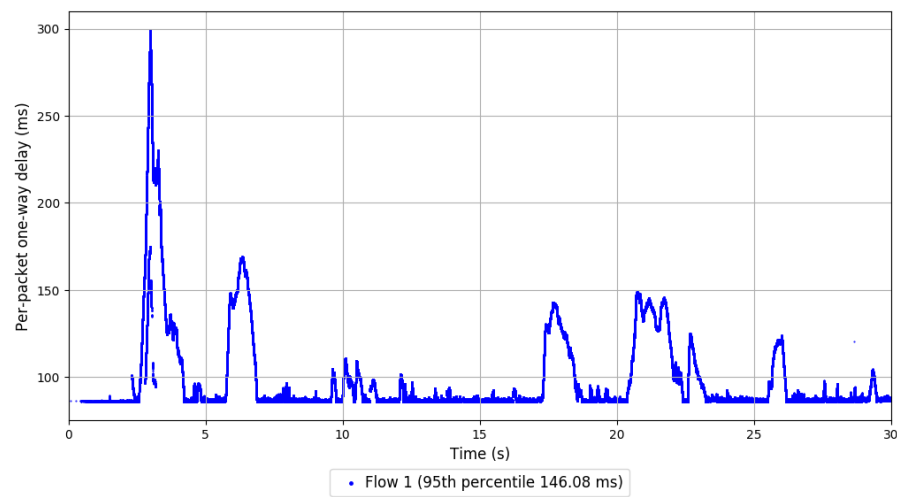
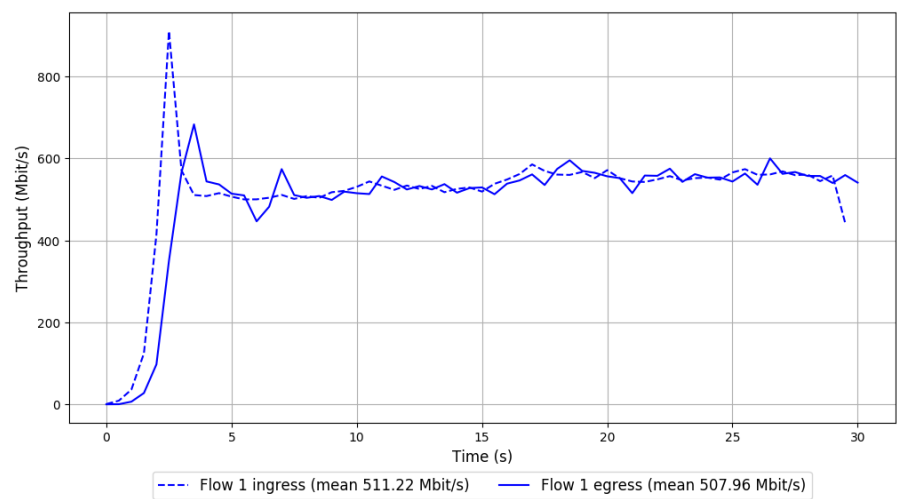
-- Flow 1:

Average throughput: 507.96 Mbit/s

95th percentile per-packet one-way delay: 146.081 ms

Loss rate: 0.64%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-06-29 12:13:50

End at: 2018-06-29 12:14:20

Local clock offset: -0.38 ms

Remote clock offset: 0.141 ms

Below is generated by plot.py at 2018-06-29 16:00:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 464.54 Mbit/s

95th percentile per-packet one-way delay: 100.852 ms

Loss rate: 0.08%

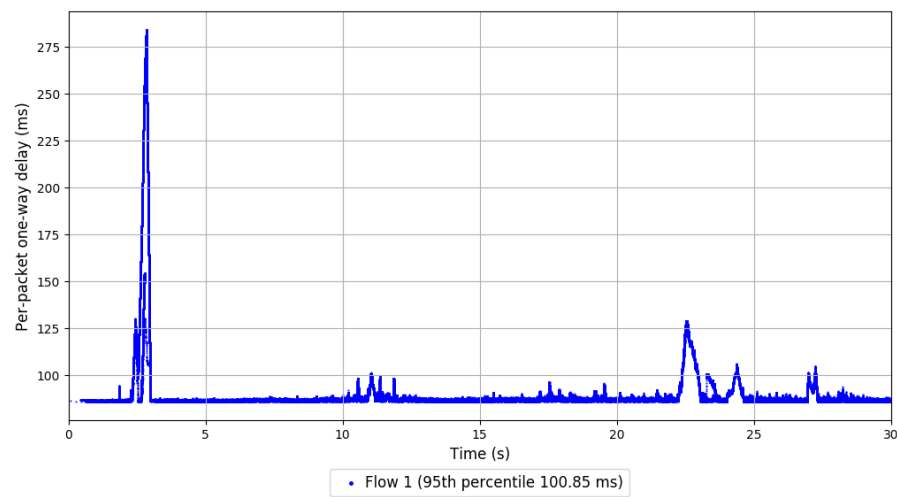
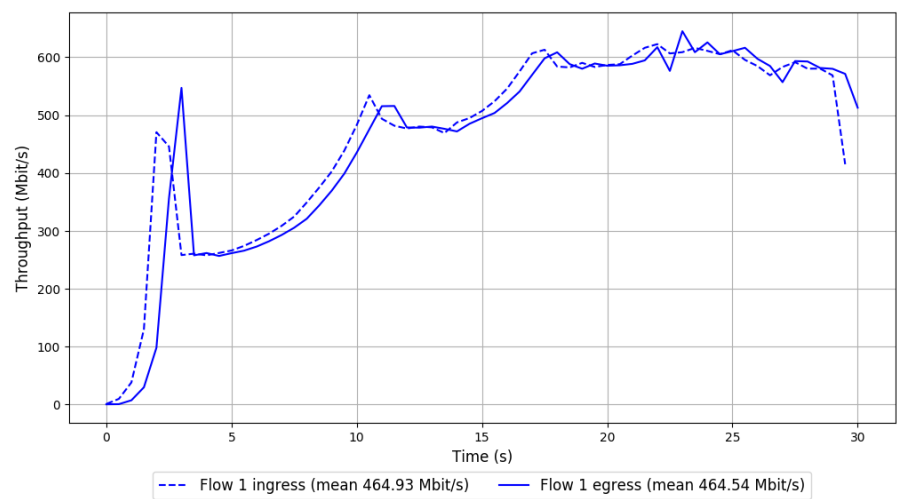
-- Flow 1:

Average throughput: 464.54 Mbit/s

95th percentile per-packet one-way delay: 100.852 ms

Loss rate: 0.08%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-06-29 12:35:29

End at: 2018-06-29 12:35:59

Local clock offset: -0.572 ms

Remote clock offset: 0.171 ms

Below is generated by plot.py at 2018-06-29 16:00:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 529.00 Mbit/s

95th percentile per-packet one-way delay: 128.284 ms

Loss rate: 1.25%

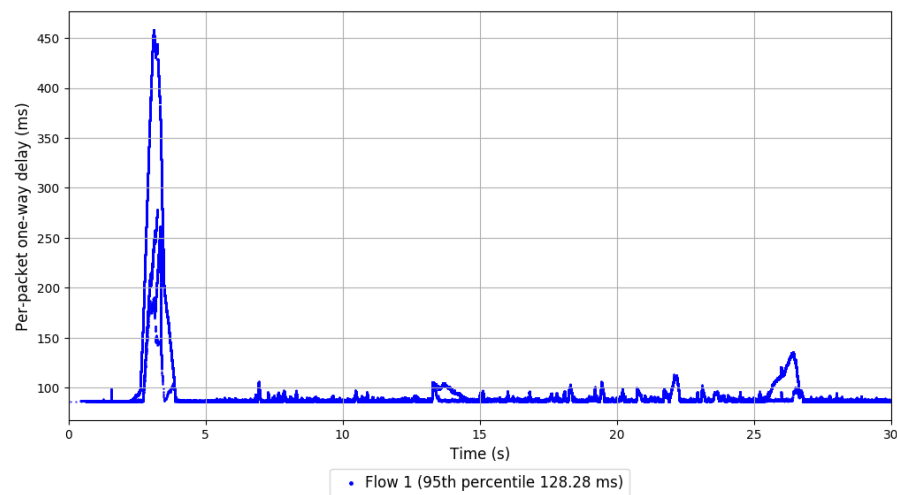
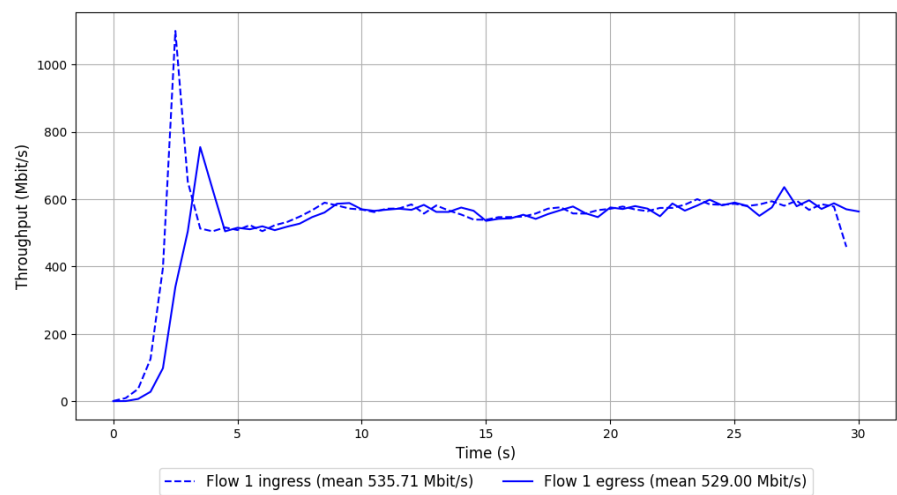
-- Flow 1:

Average throughput: 529.00 Mbit/s

95th percentile per-packet one-way delay: 128.284 ms

Loss rate: 1.25%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-06-29 12:57:34

End at: 2018-06-29 12:58:04

Local clock offset: -0.265 ms

Remote clock offset: 0.372 ms

Below is generated by plot.py at 2018-06-29 16:00:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 368.79 Mbit/s

95th percentile per-packet one-way delay: 102.901 ms

Loss rate: 0.23%

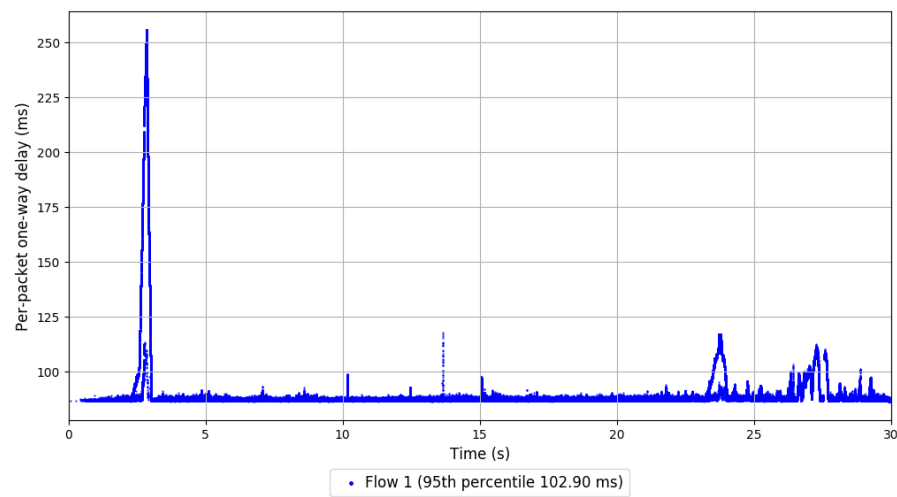
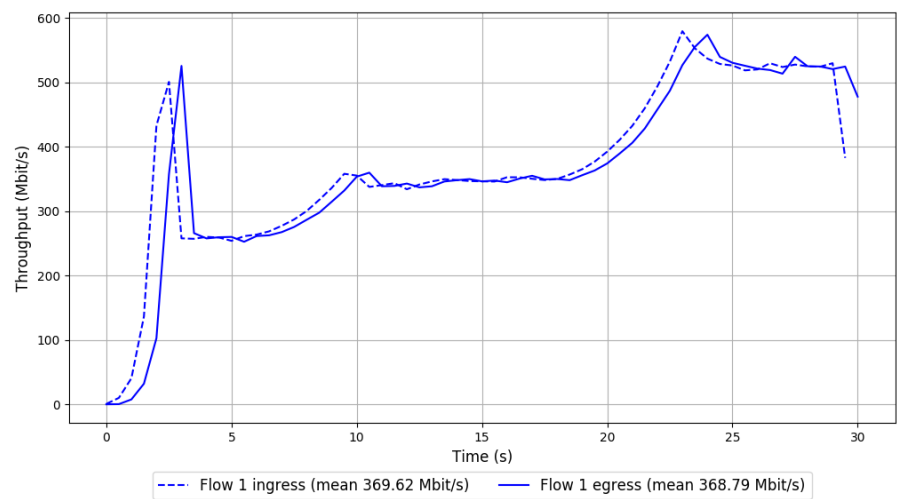
-- Flow 1:

Average throughput: 368.79 Mbit/s

95th percentile per-packet one-way delay: 102.901 ms

Loss rate: 0.23%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-29 13:19:15

End at: 2018-06-29 13:19:45

Local clock offset: -0.377 ms

Remote clock offset: 0.1 ms

Below is generated by plot.py at 2018-06-29 16:01:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 490.26 Mbit/s

95th percentile per-packet one-way delay: 150.113 ms

Loss rate: 1.20%

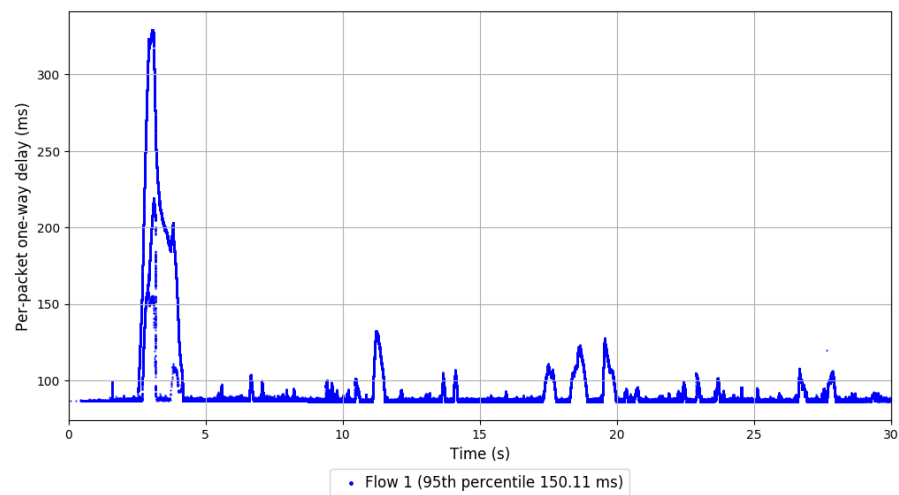
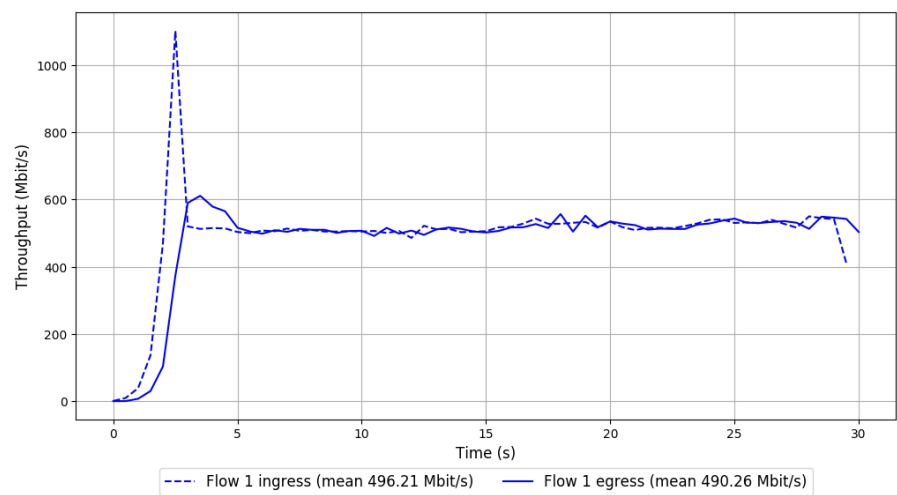
-- Flow 1:

Average throughput: 490.26 Mbit/s

95th percentile per-packet one-way delay: 150.113 ms

Loss rate: 1.20%

Run 6: Report of PCC-Allegro — Data Link

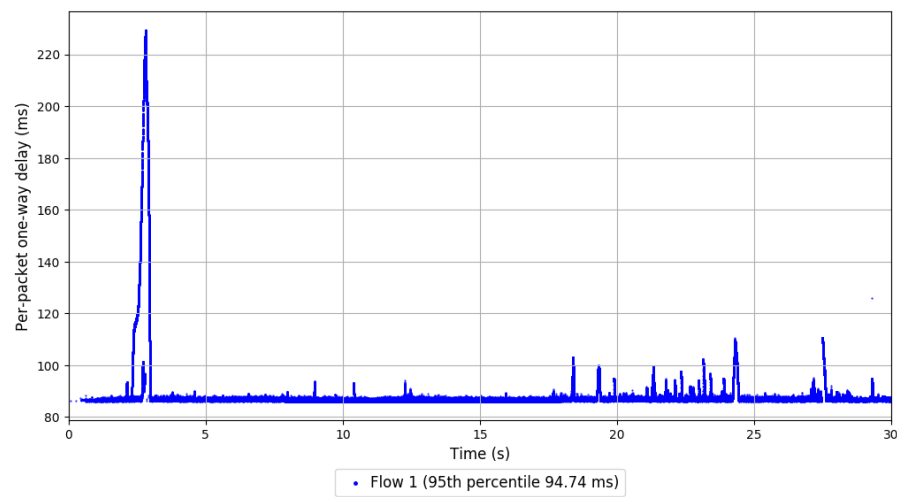
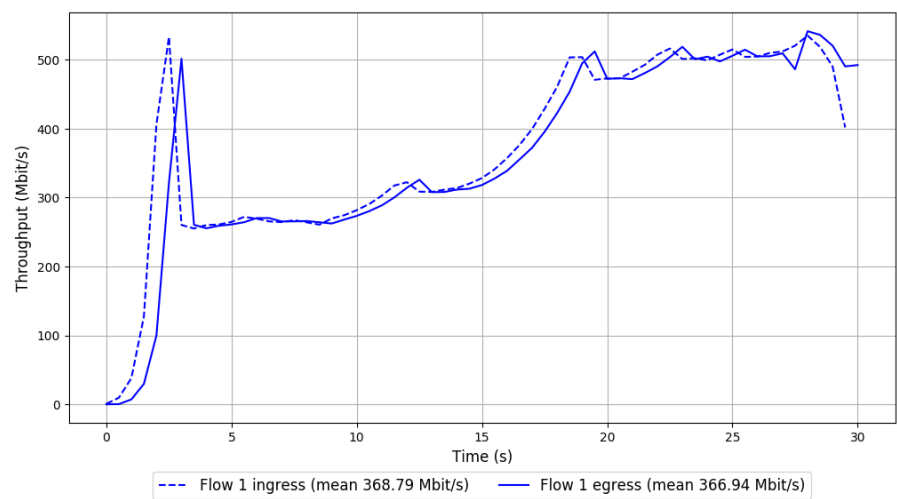


Run 7: Statistics of PCC-Allegro

Start at: 2018-06-29 13:41:06
End at: 2018-06-29 13:41:36
Local clock offset: -0.546 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-06-29 16:01:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 366.94 Mbit/s
95th percentile per-packet one-way delay: 94.742 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 366.94 Mbit/s
95th percentile per-packet one-way delay: 94.742 ms
Loss rate: 0.50%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-29 14:02:59

End at: 2018-06-29 14:03:29

Local clock offset: -0.606 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-06-29 16:02:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 471.11 Mbit/s

95th percentile per-packet one-way delay: 227.169 ms

Loss rate: 2.13%

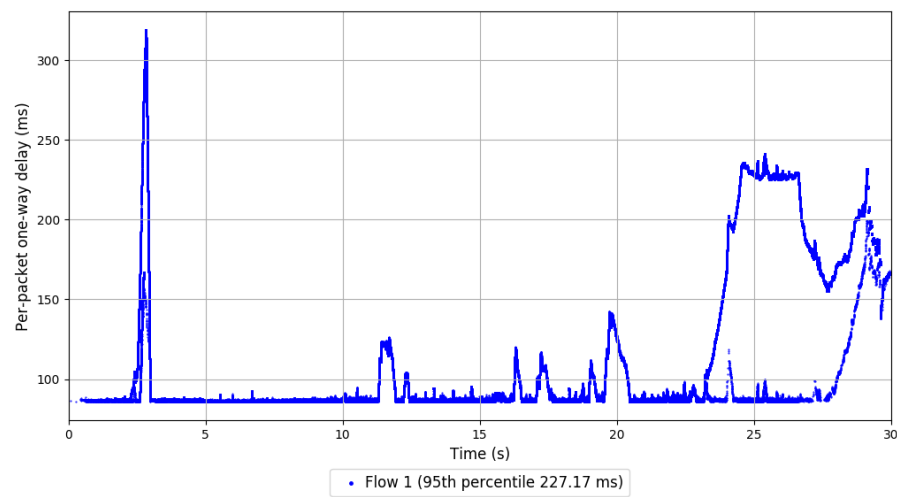
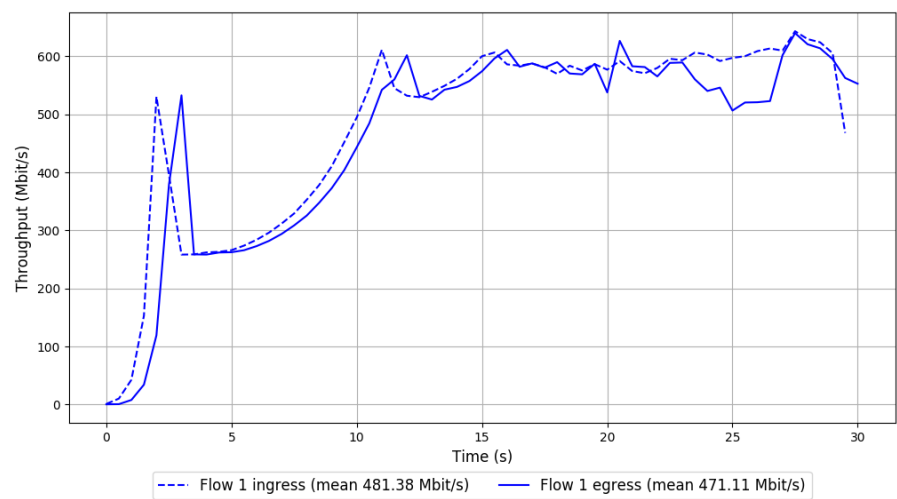
-- Flow 1:

Average throughput: 471.11 Mbit/s

95th percentile per-packet one-way delay: 227.169 ms

Loss rate: 2.13%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-06-29 14:24:52

End at: 2018-06-29 14:25:22

Local clock offset: -0.382 ms

Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-06-29 16:07:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 537.25 Mbit/s

95th percentile per-packet one-way delay: 196.742 ms

Loss rate: 0.92%

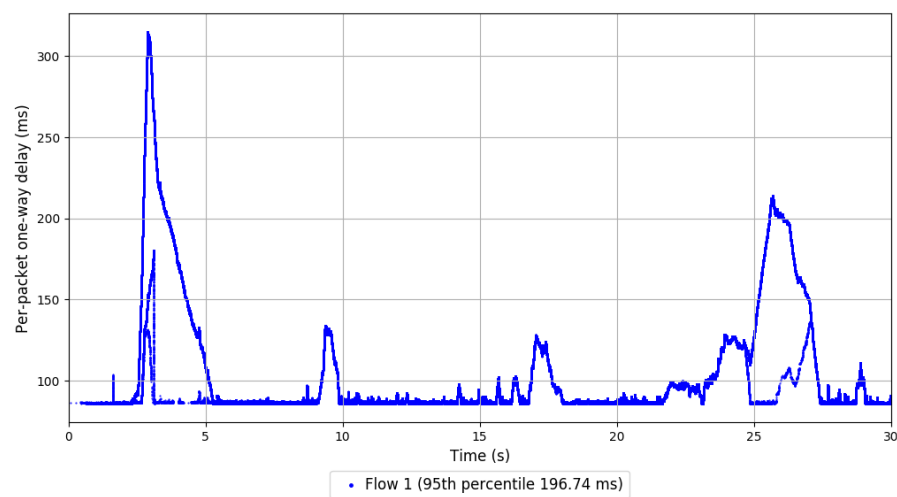
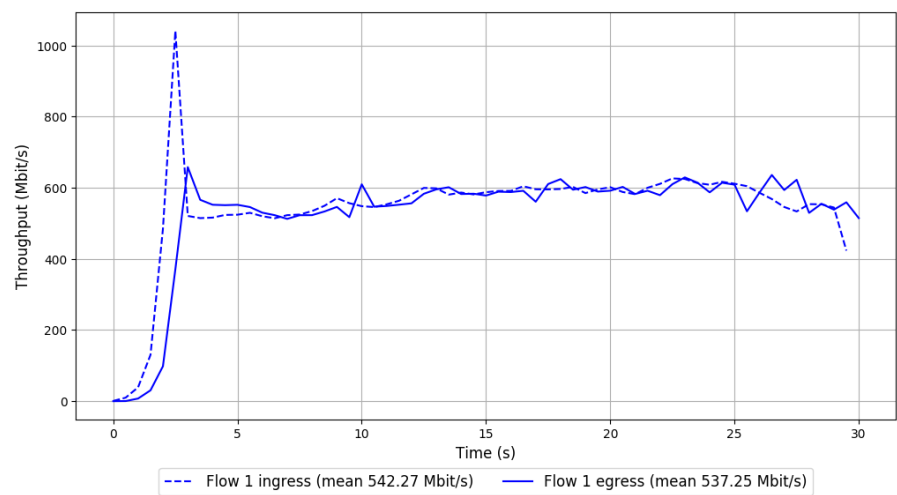
-- Flow 1:

Average throughput: 537.25 Mbit/s

95th percentile per-packet one-way delay: 196.742 ms

Loss rate: 0.92%

Run 9: Report of PCC-Allegro — Data Link

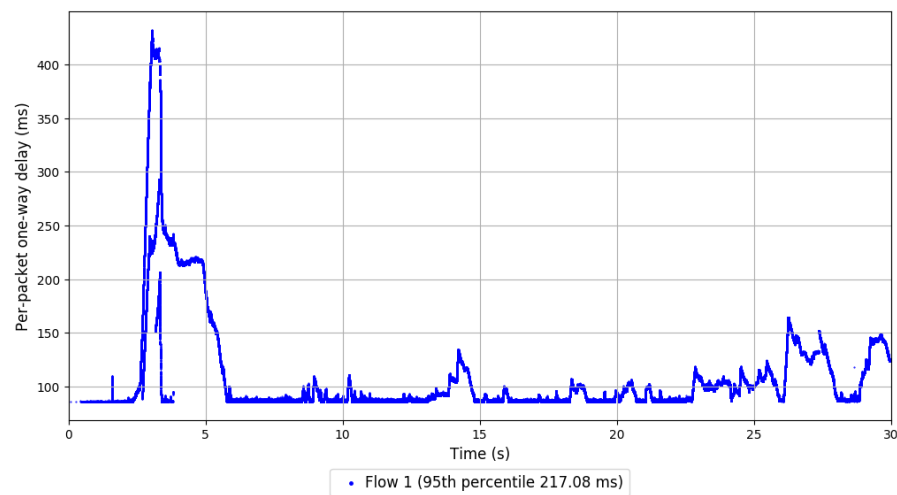
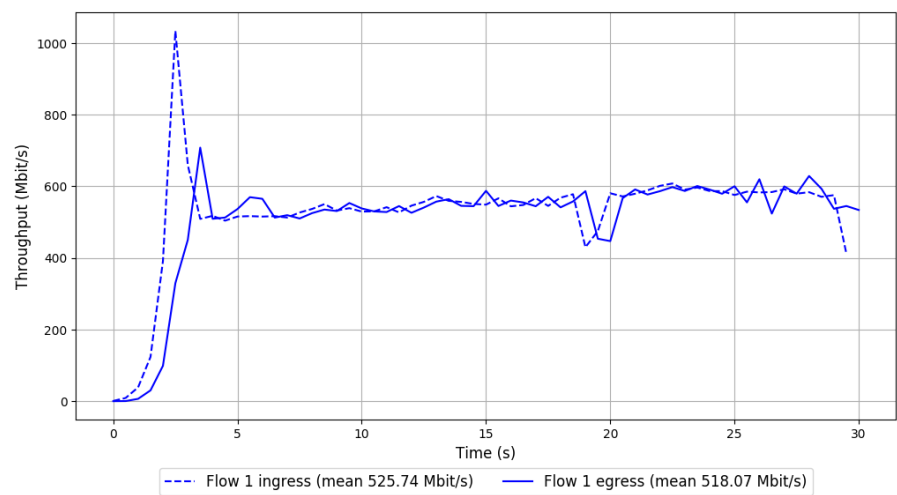


Run 10: Statistics of PCC-Allegro

Start at: 2018-06-29 14:46:41
End at: 2018-06-29 14:47:11
Local clock offset: 0.302 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-06-29 16:08:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 518.07 Mbit/s
95th percentile per-packet one-way delay: 217.080 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 518.07 Mbit/s
95th percentile per-packet one-way delay: 217.080 ms
Loss rate: 1.46%

Run 10: Report of PCC-Allegro — Data Link

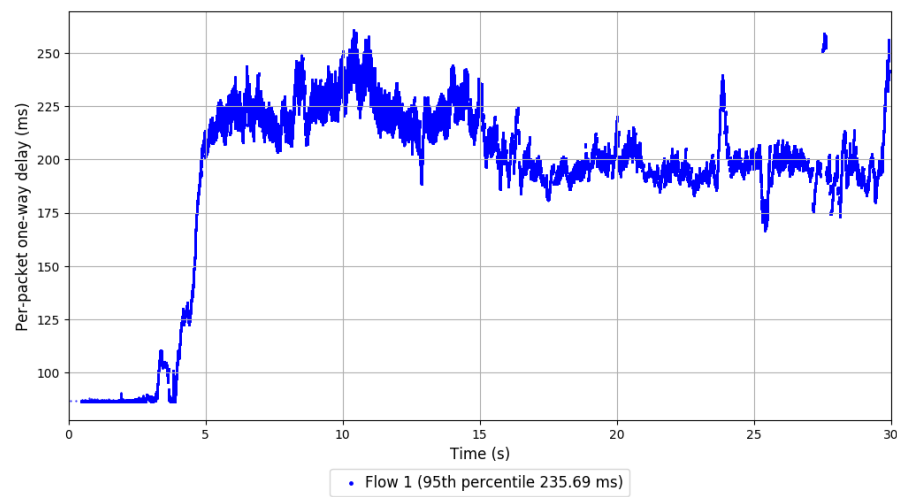
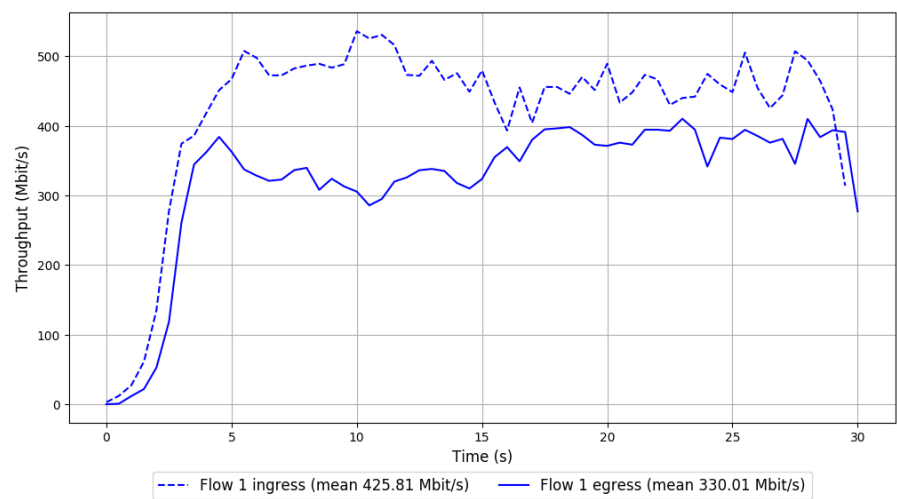


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-29 11:35:45
End at: 2018-06-29 11:36:15
Local clock offset: -0.278 ms
Remote clock offset: 0.092 ms

# Below is generated by plot.py at 2018-06-29 16:10:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 330.01 Mbit/s
95th percentile per-packet one-way delay: 235.685 ms
Loss rate: 22.49%
-- Flow 1:
Average throughput: 330.01 Mbit/s
95th percentile per-packet one-way delay: 235.685 ms
Loss rate: 22.49%
```


Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-06-29 11:57:44

End at: 2018-06-29 11:58:14

Local clock offset: -0.776 ms

Remote clock offset: 0.131 ms

Below is generated by plot.py at 2018-06-29 16:10:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 248.39 Mbit/s

95th percentile per-packet one-way delay: 110.802 ms

Loss rate: 0.00%

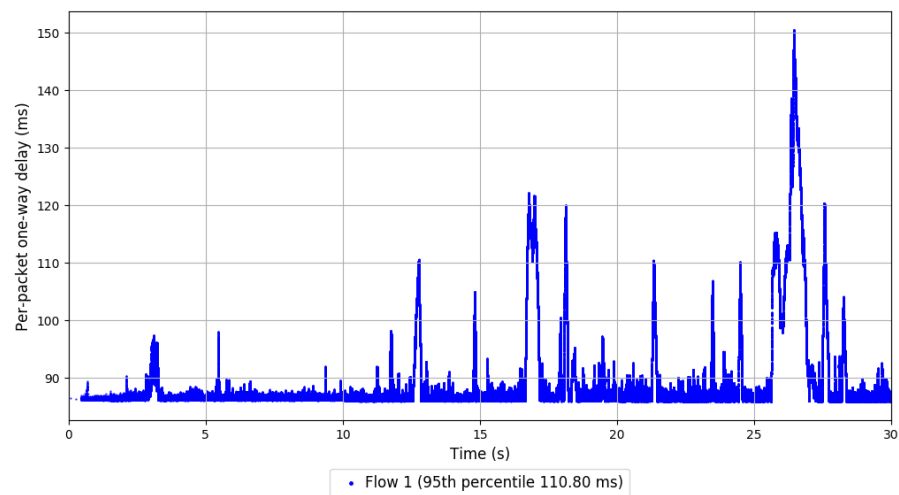
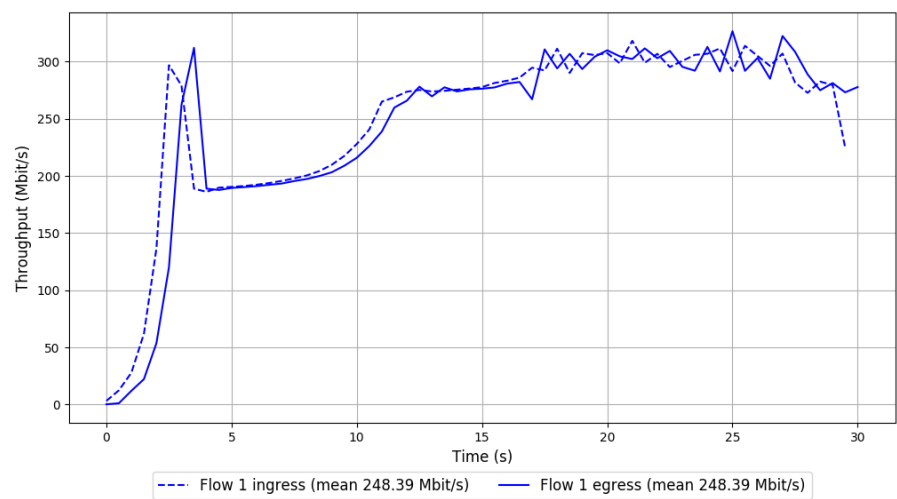
-- Flow 1:

Average throughput: 248.39 Mbit/s

95th percentile per-packet one-way delay: 110.802 ms

Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-06-29 12:19:19

End at: 2018-06-29 12:19:49

Local clock offset: -0.393 ms

Remote clock offset: 0.156 ms

Below is generated by plot.py at 2018-06-29 16:10:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.84 Mbit/s

95th percentile per-packet one-way delay: 93.042 ms

Loss rate: 0.00%

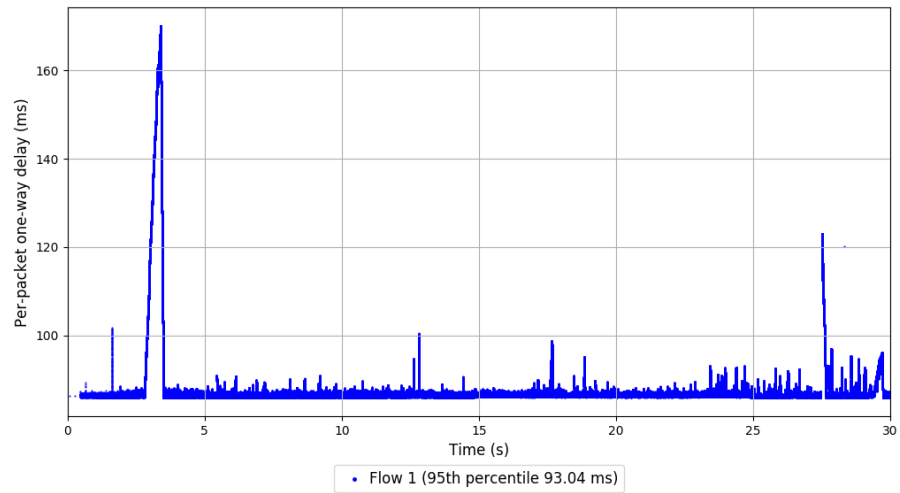
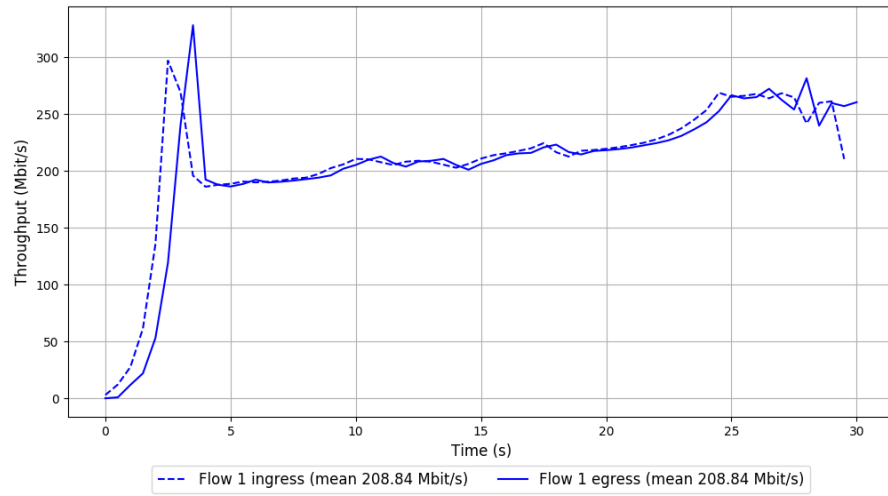
-- Flow 1:

Average throughput: 208.84 Mbit/s

95th percentile per-packet one-way delay: 93.042 ms

Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-06-29 12:41:15

End at: 2018-06-29 12:41:45

Local clock offset: -0.194 ms

Remote clock offset: 0.186 ms

Below is generated by plot.py at 2018-06-29 16:10:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 255.58 Mbit/s

95th percentile per-packet one-way delay: 224.261 ms

Loss rate: 5.17%

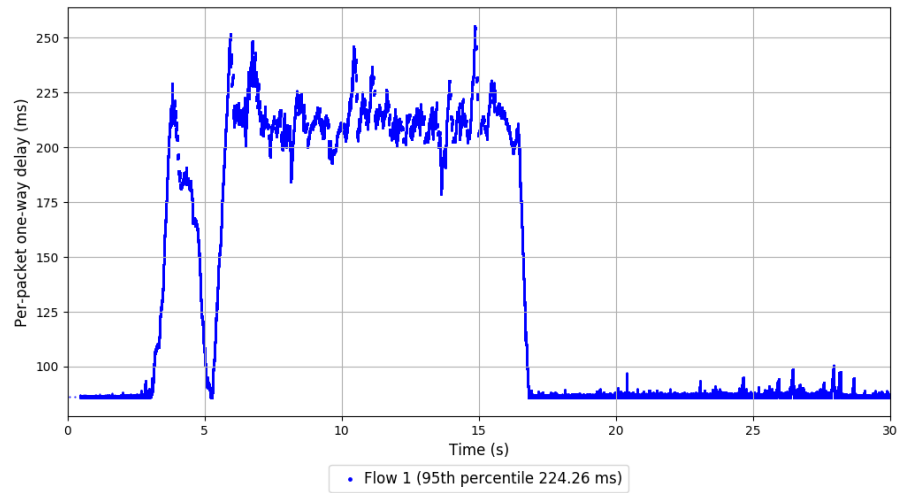
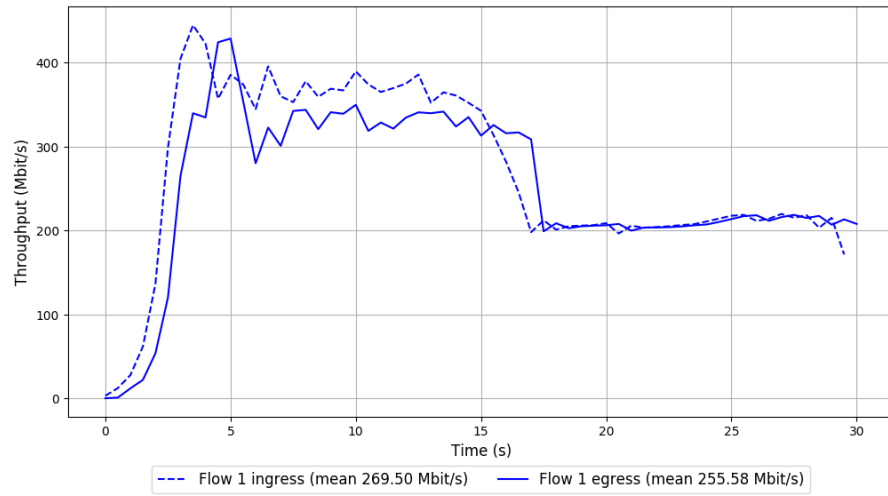
-- Flow 1:

Average throughput: 255.58 Mbit/s

95th percentile per-packet one-way delay: 224.261 ms

Loss rate: 5.17%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-06-29 13:03:13

End at: 2018-06-29 13:03:43

Local clock offset: -0.267 ms

Remote clock offset: 0.261 ms

Below is generated by plot.py at 2018-06-29 16:10:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 259.89 Mbit/s

95th percentile per-packet one-way delay: 231.849 ms

Loss rate: 4.82%

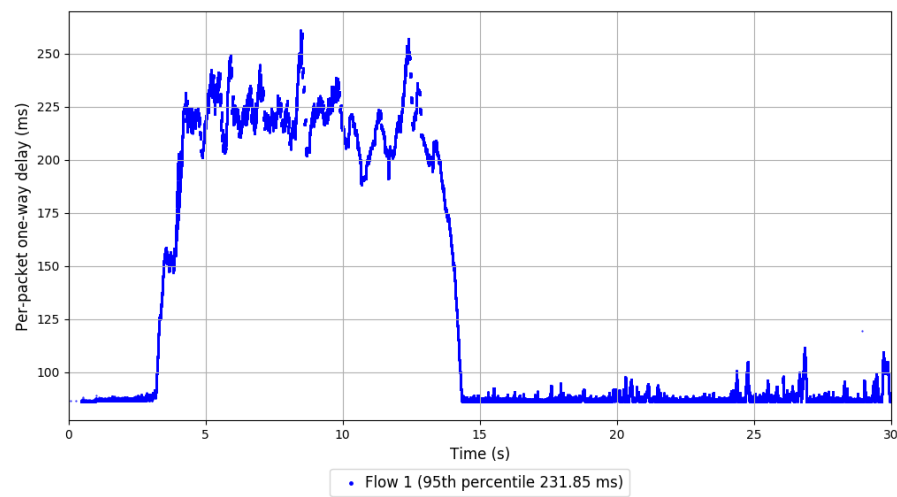
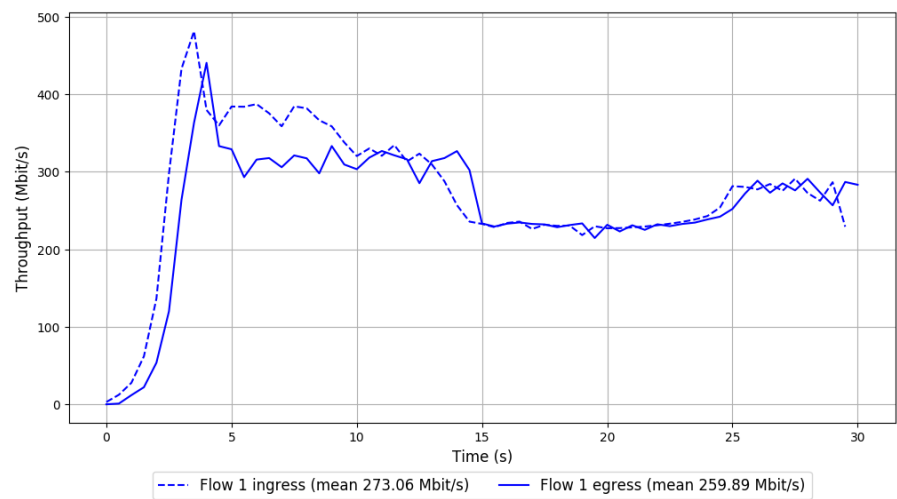
-- Flow 1:

Average throughput: 259.89 Mbit/s

95th percentile per-packet one-way delay: 231.849 ms

Loss rate: 4.82%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-06-29 13:24:58

End at: 2018-06-29 13:25:28

Local clock offset: -0.424 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-06-29 16:12:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 266.44 Mbit/s

95th percentile per-packet one-way delay: 217.210 ms

Loss rate: 1.66%

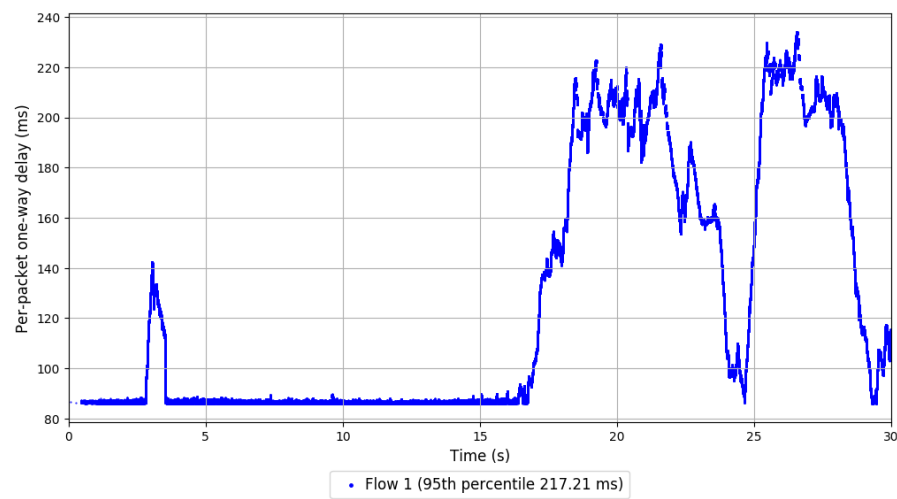
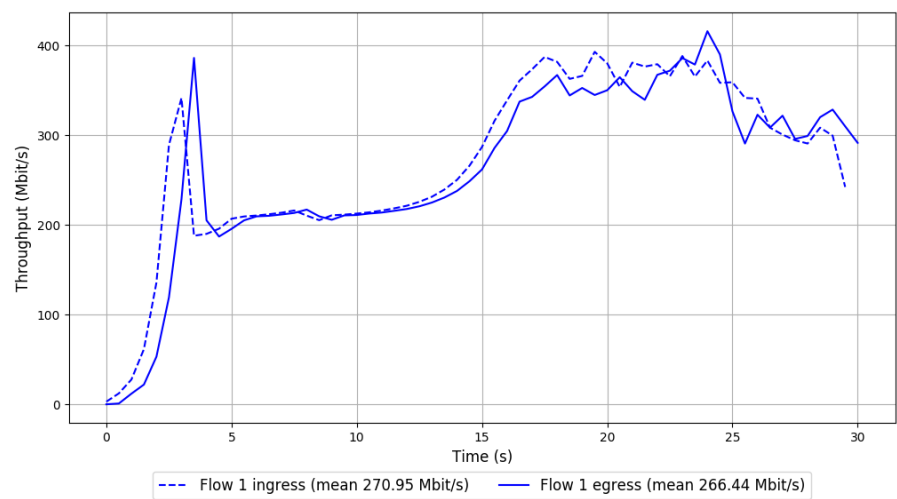
-- Flow 1:

Average throughput: 266.44 Mbit/s

95th percentile per-packet one-way delay: 217.210 ms

Loss rate: 1.66%

Run 6: Report of PCC-Expr — Data Link

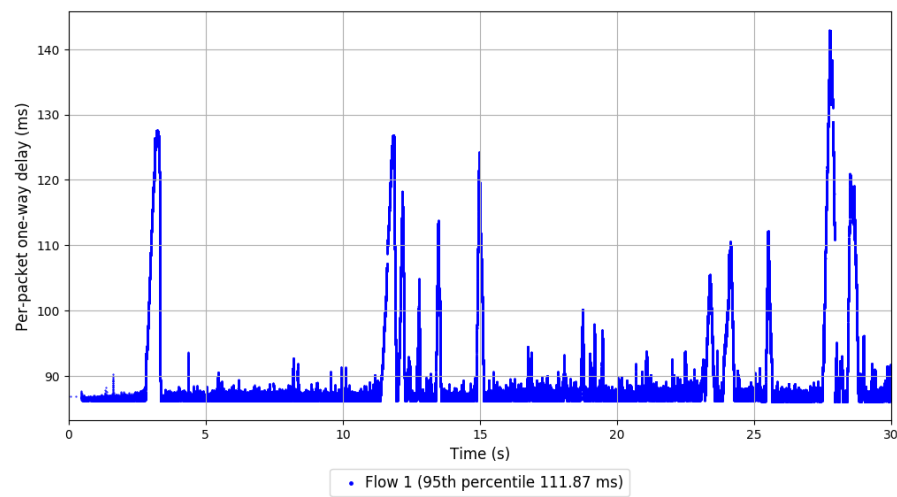
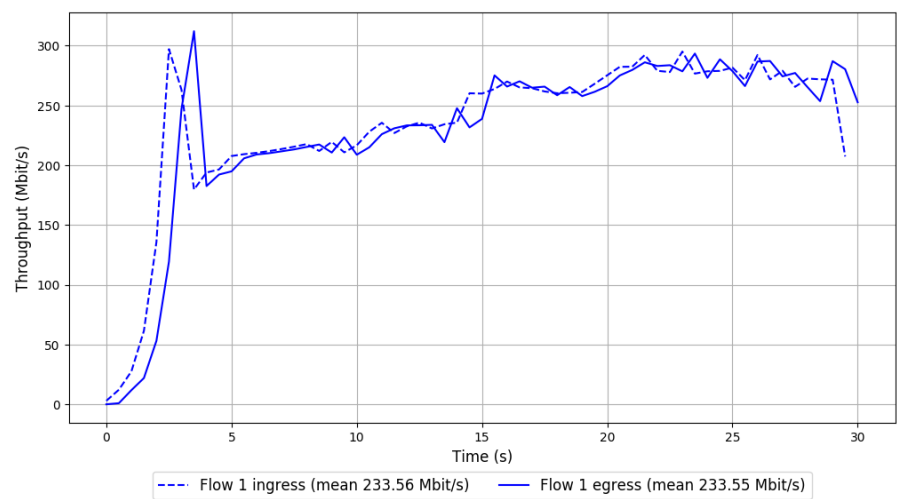


Run 7: Statistics of PCC-Expr

Start at: 2018-06-29 13:46:49
End at: 2018-06-29 13:47:19
Local clock offset: -0.846 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2018-06-29 16:15:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 233.55 Mbit/s
95th percentile per-packet one-way delay: 111.867 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 233.55 Mbit/s
95th percentile per-packet one-way delay: 111.867 ms
Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link

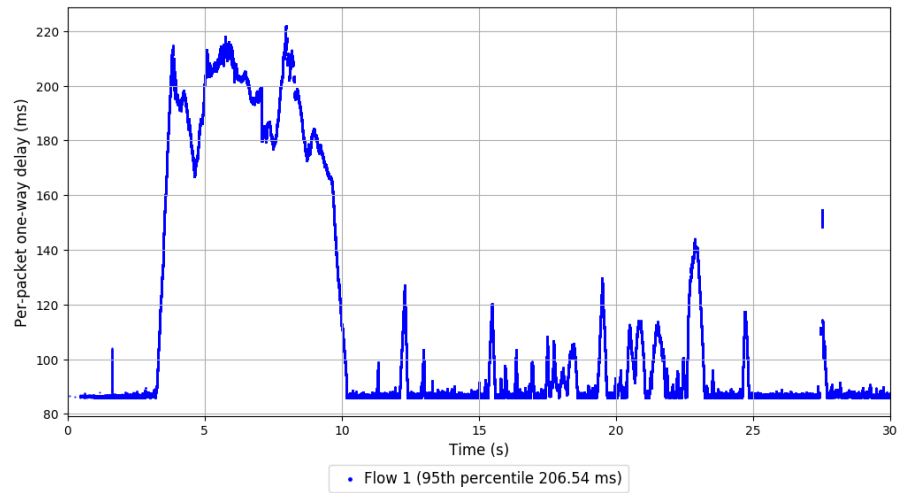
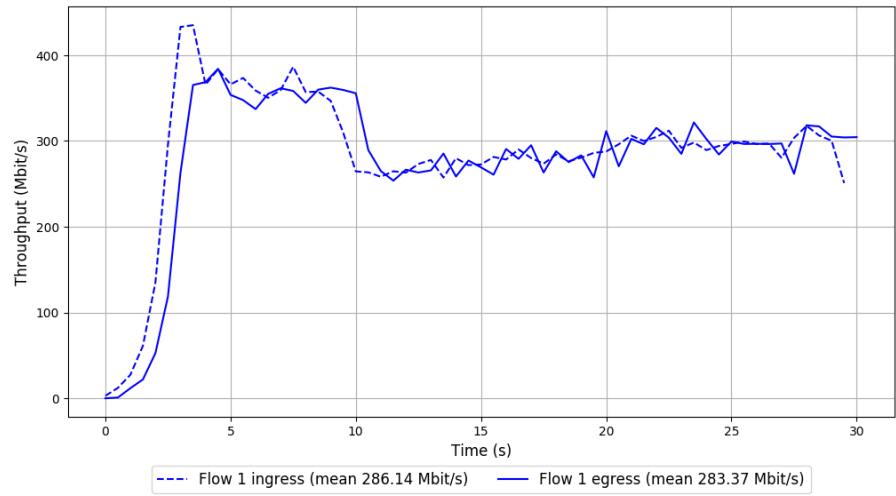


Run 8: Statistics of PCC-Expr

Start at: 2018-06-29 14:08:43
End at: 2018-06-29 14:09:13
Local clock offset: -0.885 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-06-29 16:17:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 283.37 Mbit/s
95th percentile per-packet one-way delay: 206.541 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 283.37 Mbit/s
95th percentile per-packet one-way delay: 206.541 ms
Loss rate: 0.97%

Run 8: Report of PCC-Expr — Data Link

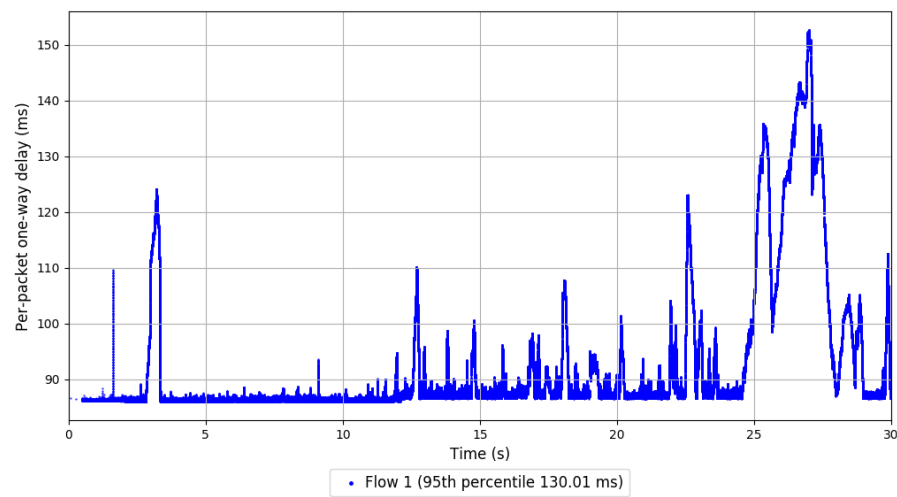
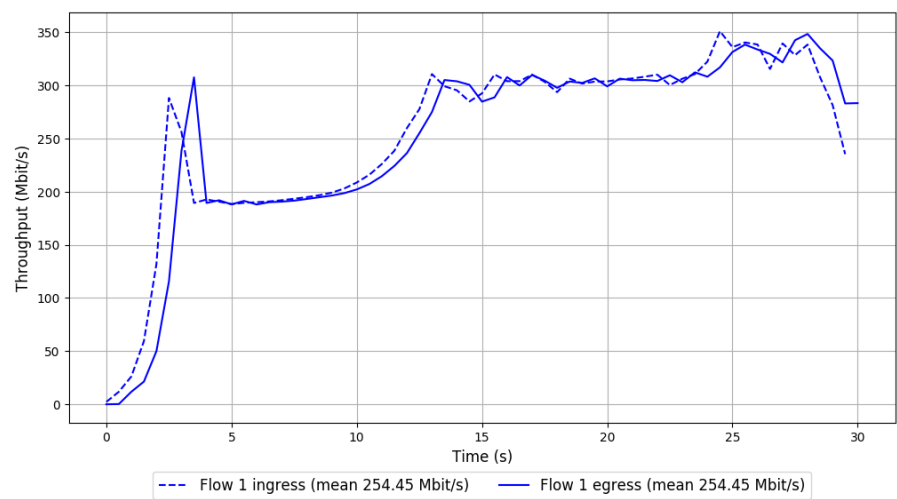


Run 9: Statistics of PCC-Expr

Start at: 2018-06-29 14:30:32
End at: 2018-06-29 14:31:02
Local clock offset: -0.174 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-06-29 16:17:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 254.45 Mbit/s
95th percentile per-packet one-way delay: 130.014 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 254.45 Mbit/s
95th percentile per-packet one-way delay: 130.014 ms
Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-06-29 14:52:16

End at: 2018-06-29 14:52:46

Local clock offset: 0.122 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-06-29 16:18:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 282.47 Mbit/s

95th percentile per-packet one-way delay: 210.287 ms

Loss rate: 1.01%

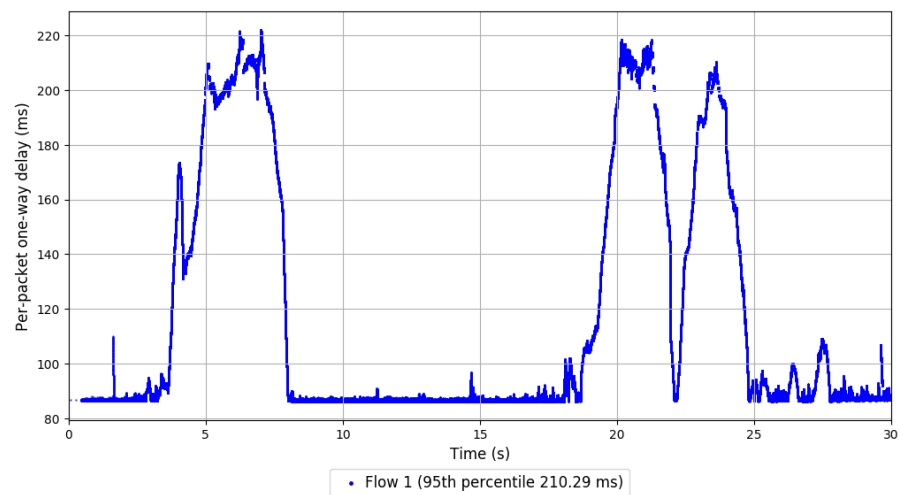
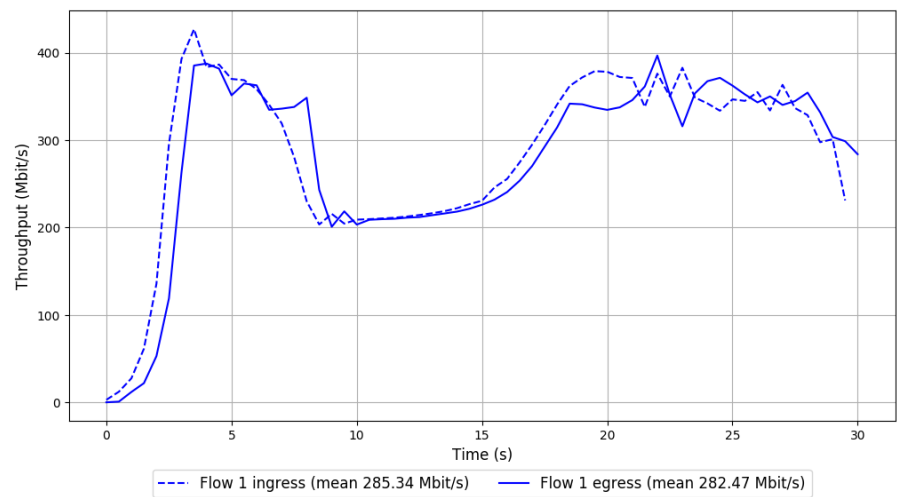
-- Flow 1:

Average throughput: 282.47 Mbit/s

95th percentile per-packet one-way delay: 210.287 ms

Loss rate: 1.01%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

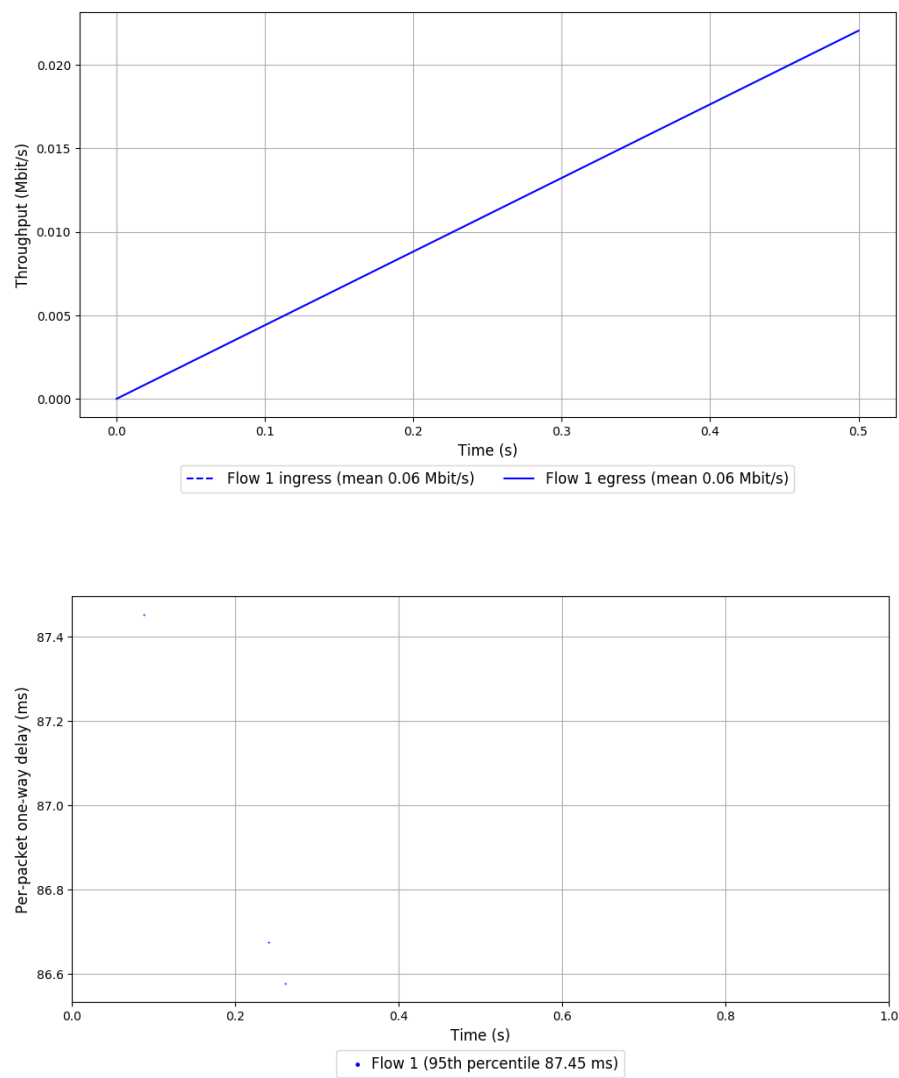
Start at: 2018-06-29 11:37:25

End at: 2018-06-29 11:37:55

Local clock offset: -0.221 ms

Remote clock offset: 0.075 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-06-29 11:59:14

End at: 2018-06-29 11:59:44

Local clock offset: -1.093 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2018-06-29 16:18:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.10 Mbit/s

95th percentile per-packet one-way delay: 86.792 ms

Loss rate: 0.00%

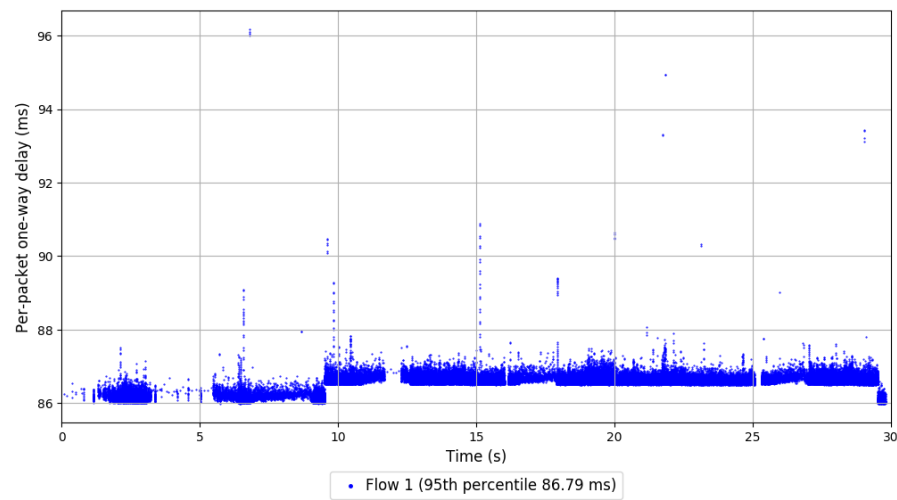
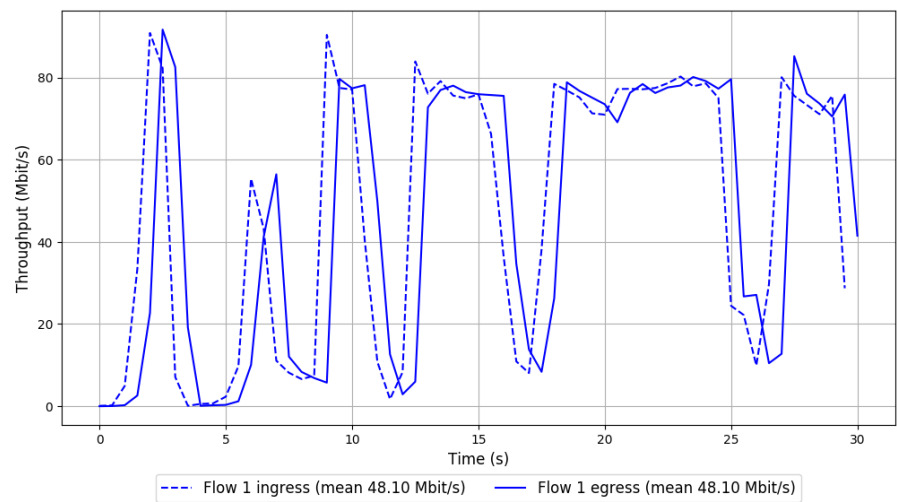
-- Flow 1:

Average throughput: 48.10 Mbit/s

95th percentile per-packet one-way delay: 86.792 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-06-29 12:20:46

End at: 2018-06-29 12:21:16

Local clock offset: -0.497 ms

Remote clock offset: 0.18 ms

Below is generated by plot.py at 2018-06-29 16:18:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.15 Mbit/s

95th percentile per-packet one-way delay: 86.769 ms

Loss rate: 0.00%

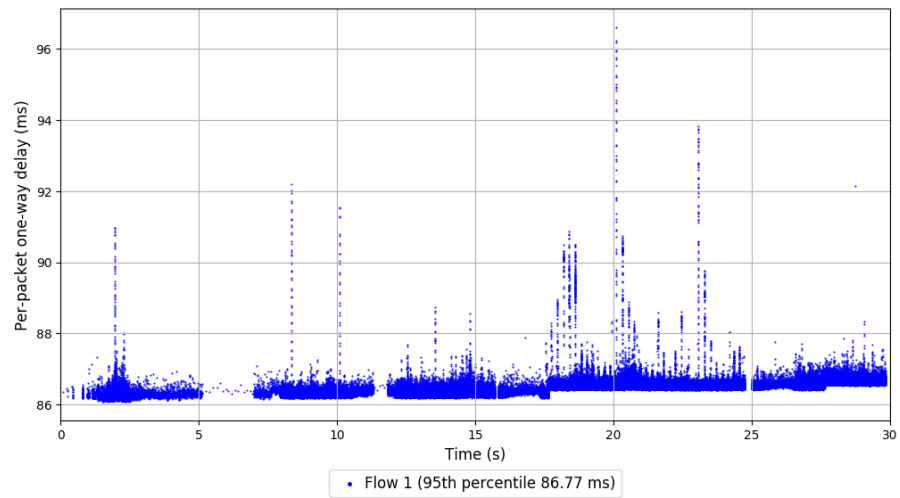
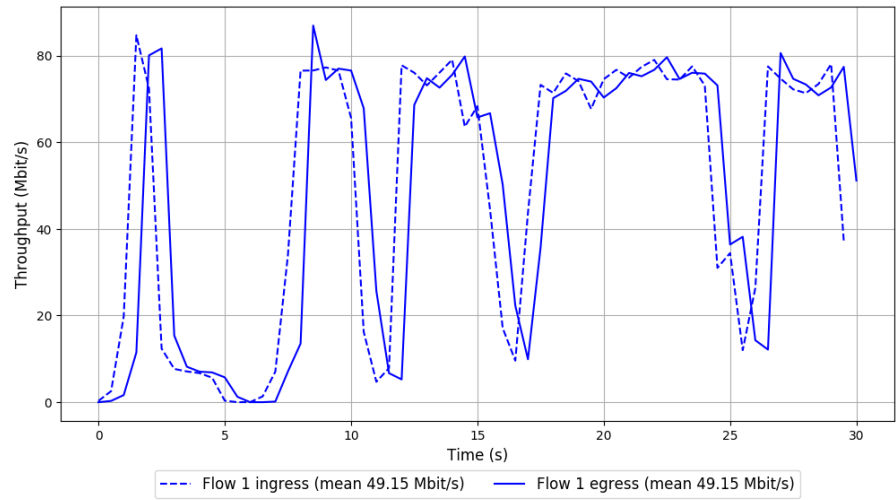
-- Flow 1:

Average throughput: 49.15 Mbit/s

95th percentile per-packet one-way delay: 86.769 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-06-29 12:42:47

End at: 2018-06-29 12:43:17

Local clock offset: -0.21 ms

Remote clock offset: 0.242 ms

Below is generated by plot.py at 2018-06-29 16:18:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.86 Mbit/s

95th percentile per-packet one-way delay: 86.200 ms

Loss rate: 0.00%

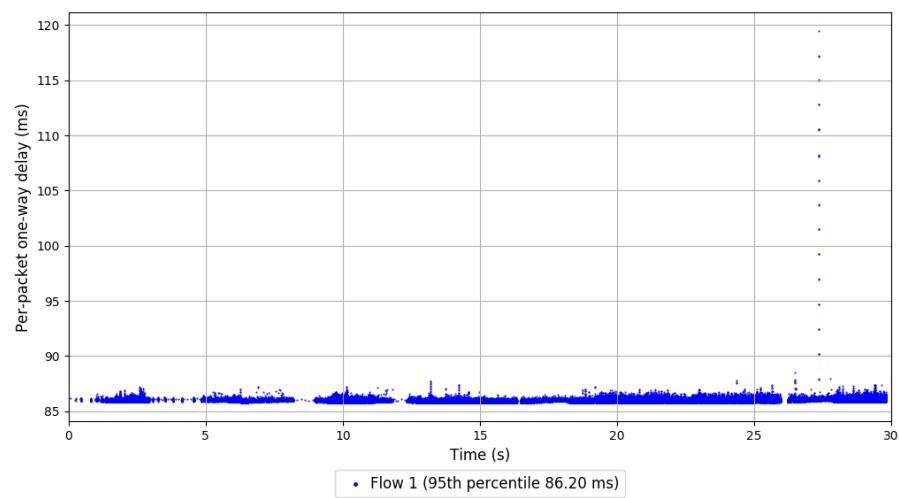
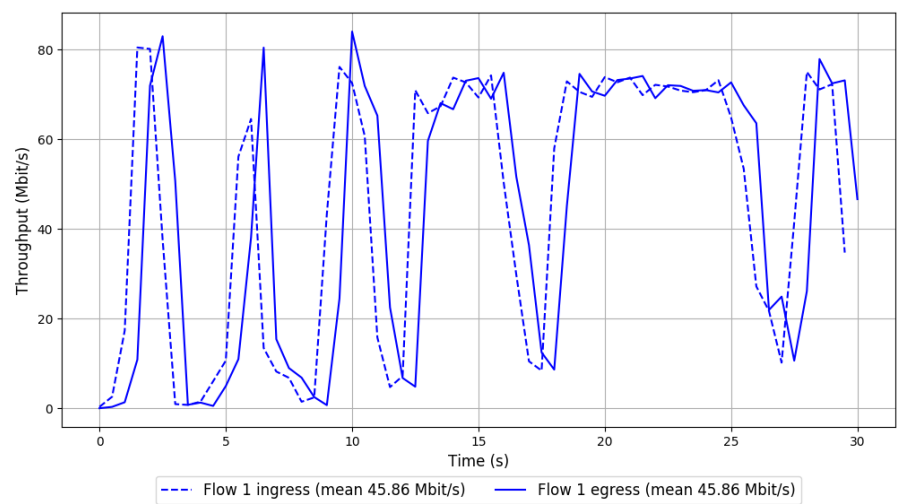
-- Flow 1:

Average throughput: 45.86 Mbit/s

95th percentile per-packet one-way delay: 86.200 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-06-29 13:04:45

End at: 2018-06-29 13:05:15

Local clock offset: -0.169 ms

Remote clock offset: 0.265 ms

Below is generated by plot.py at 2018-06-29 16:18:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.48 Mbit/s

95th percentile per-packet one-way delay: 86.237 ms

Loss rate: 0.00%

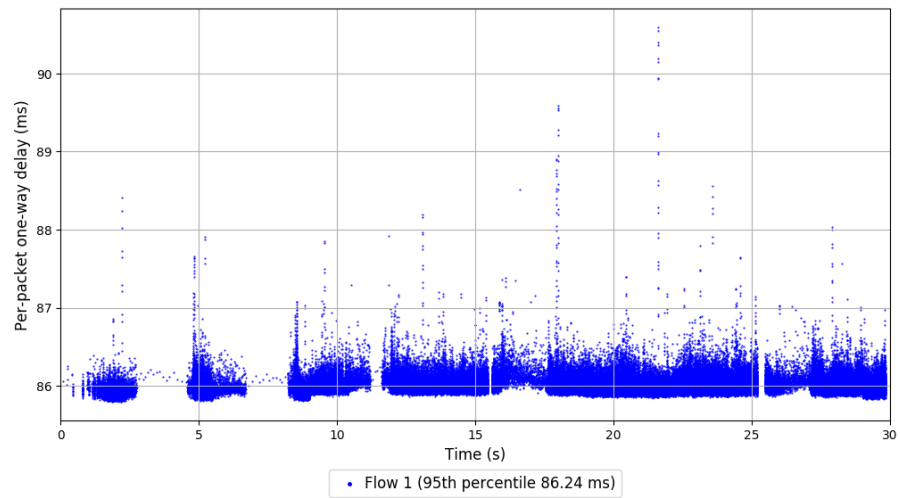
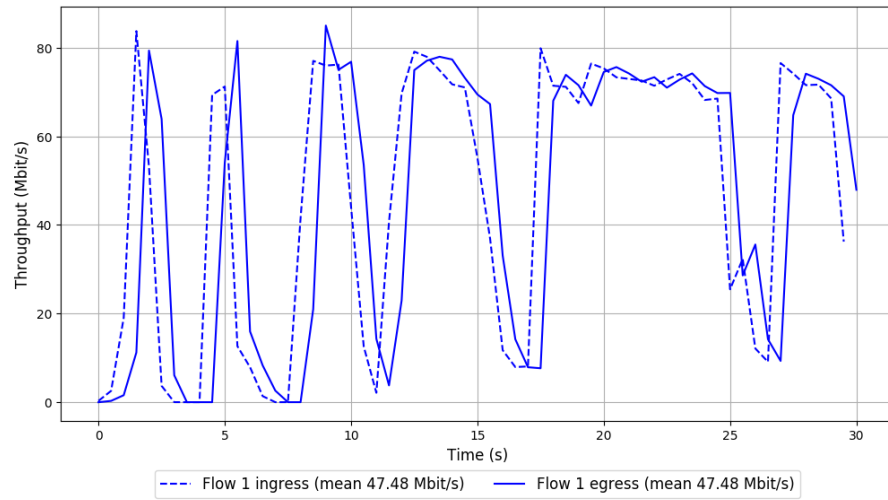
-- Flow 1:

Average throughput: 47.48 Mbit/s

95th percentile per-packet one-way delay: 86.237 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-06-29 13:26:31

End at: 2018-06-29 13:27:01

Local clock offset: -0.467 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-06-29 16:18:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.04 Mbit/s

95th percentile per-packet one-way delay: 86.318 ms

Loss rate: 0.00%

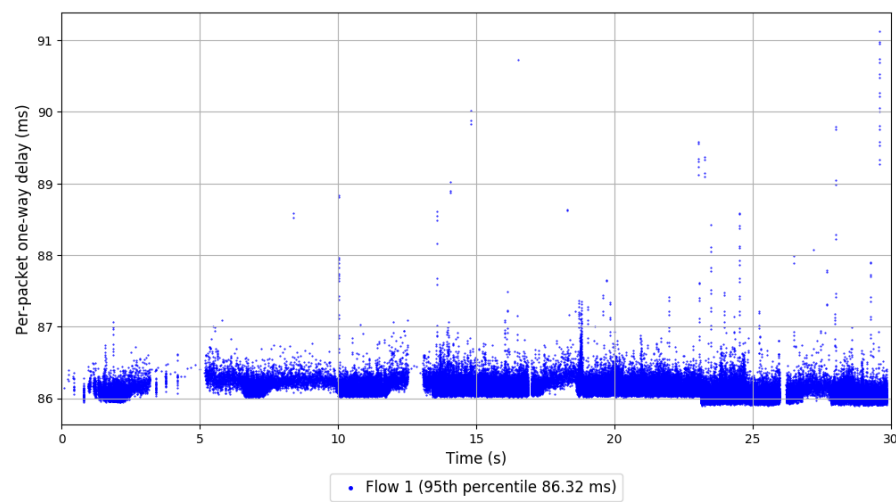
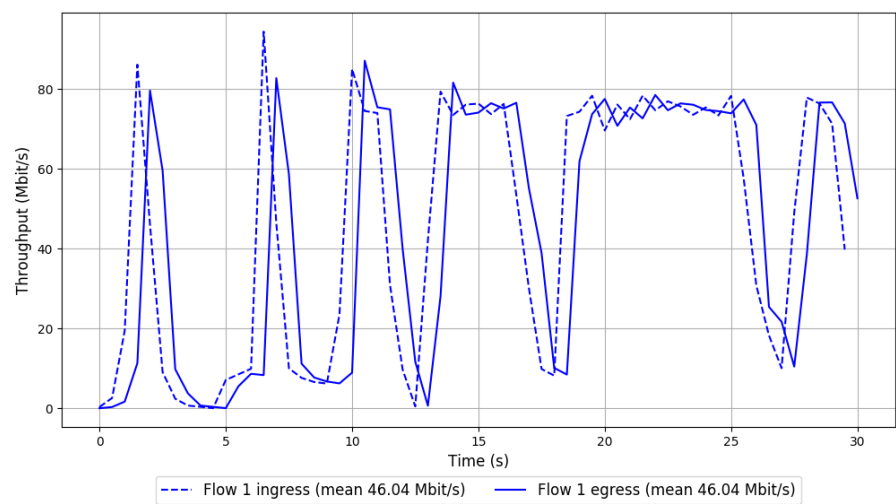
-- Flow 1:

Average throughput: 46.04 Mbit/s

95th percentile per-packet one-way delay: 86.318 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

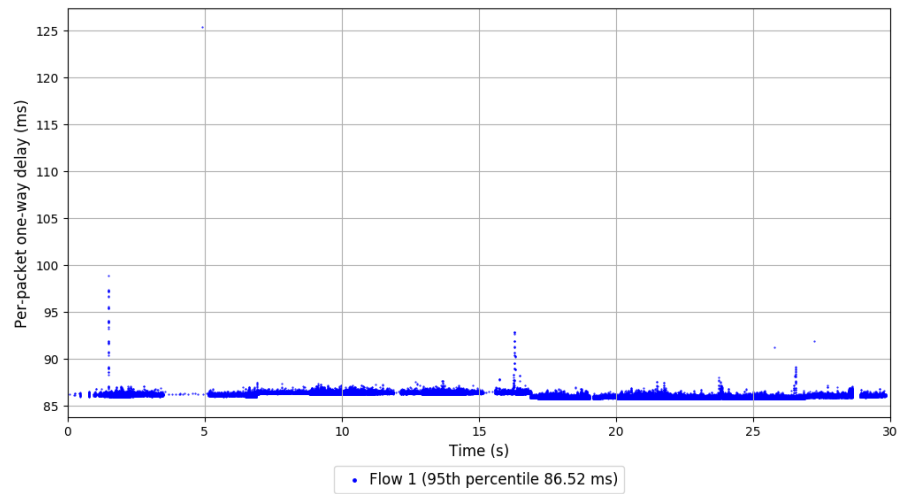
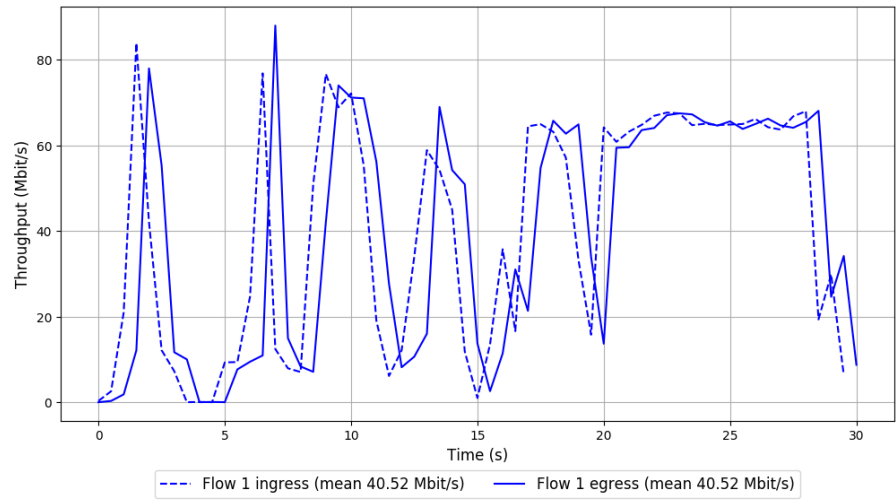


Run 7: Statistics of QUIC Cubic

Start at: 2018-06-29 13:48:17
End at: 2018-06-29 13:48:47
Local clock offset: -0.481 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-06-29 16:18:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.52 Mbit/s
95th percentile per-packet one-way delay: 86.516 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.52 Mbit/s
95th percentile per-packet one-way delay: 86.516 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-06-29 14:10:16

End at: 2018-06-29 14:10:46

Local clock offset: -0.907 ms

Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-06-29 16:18:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.43 Mbit/s

95th percentile per-packet one-way delay: 86.639 ms

Loss rate: 0.00%

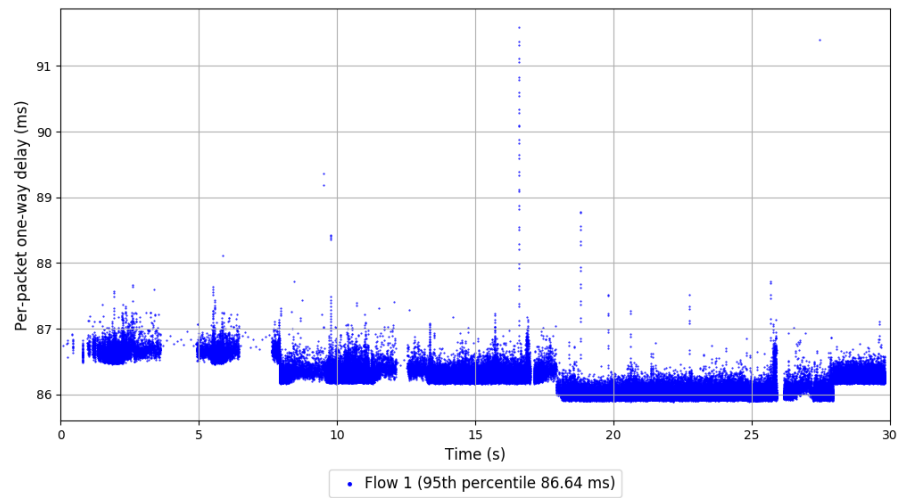
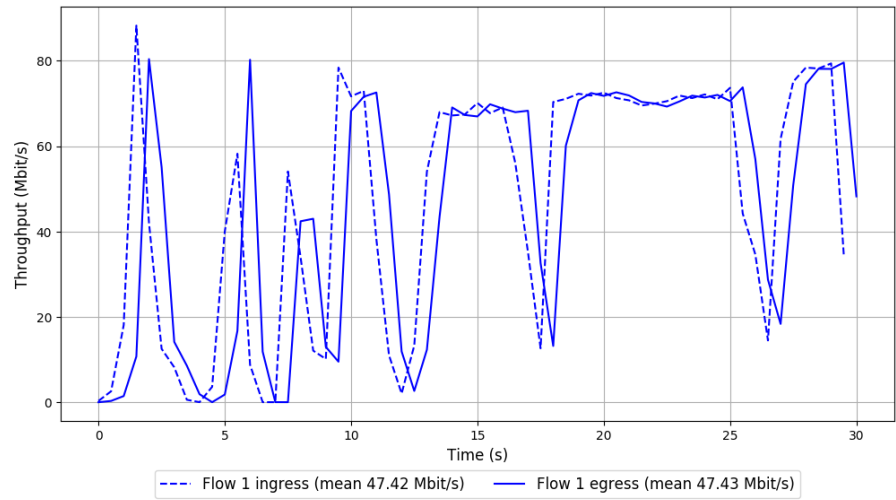
-- Flow 1:

Average throughput: 47.43 Mbit/s

95th percentile per-packet one-way delay: 86.639 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-06-29 14:32:02

End at: 2018-06-29 14:32:32

Local clock offset: -0.045 ms

Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-06-29 16:18:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.86 Mbit/s

95th percentile per-packet one-way delay: 86.309 ms

Loss rate: 0.00%

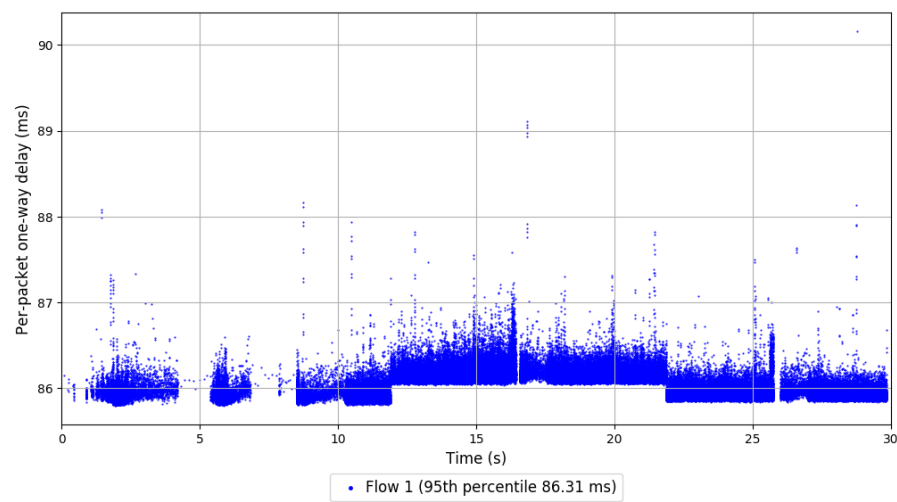
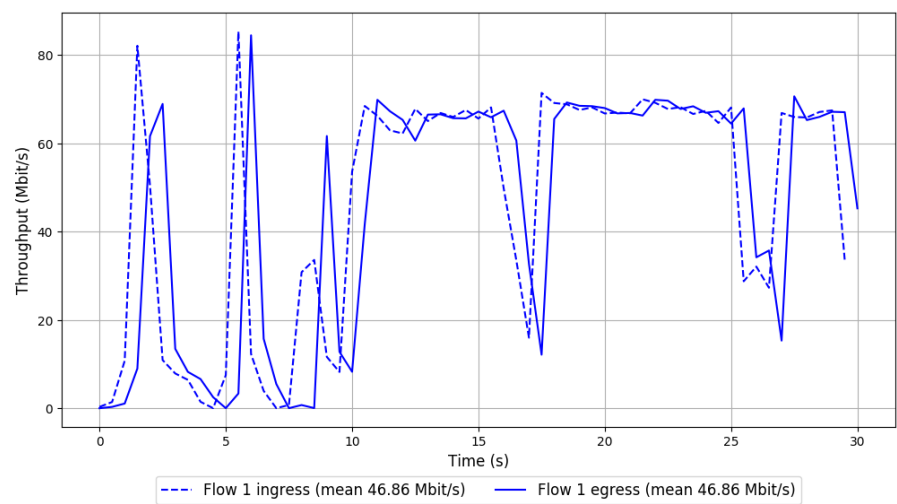
-- Flow 1:

Average throughput: 46.86 Mbit/s

95th percentile per-packet one-way delay: 86.309 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-06-29 14:53:49

End at: 2018-06-29 14:54:19

Local clock offset: 0.361 ms

Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-06-29 16:18:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.75 Mbit/s

95th percentile per-packet one-way delay: 86.491 ms

Loss rate: 0.00%

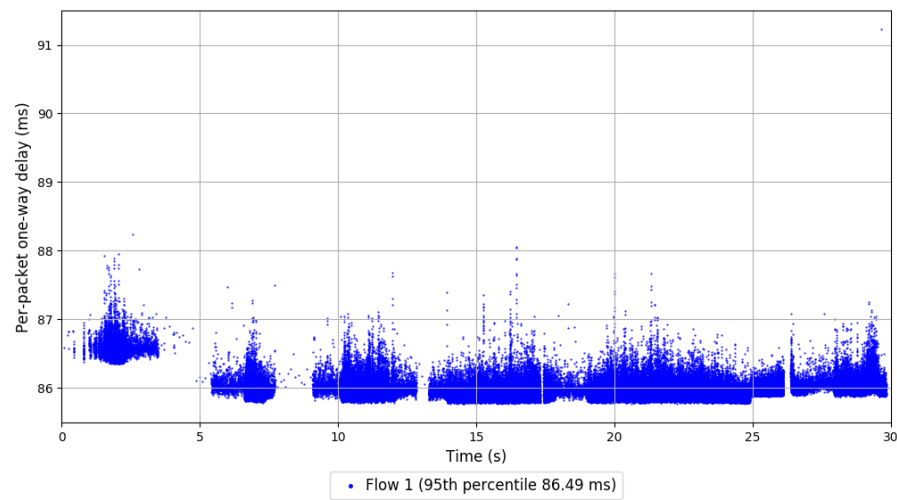
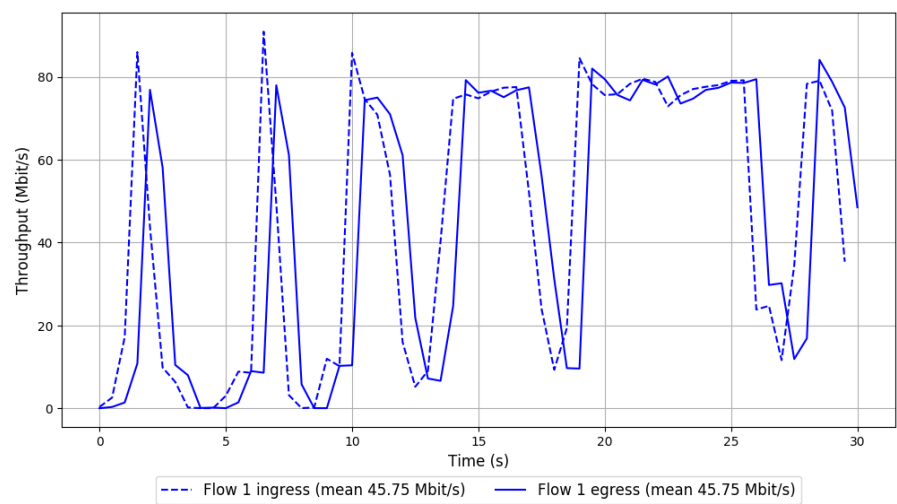
-- Flow 1:

Average throughput: 45.75 Mbit/s

95th percentile per-packet one-way delay: 86.491 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

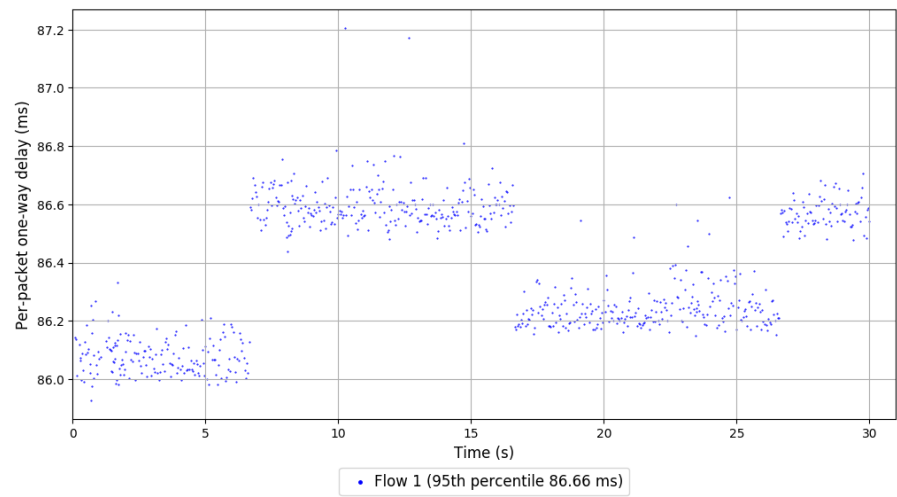
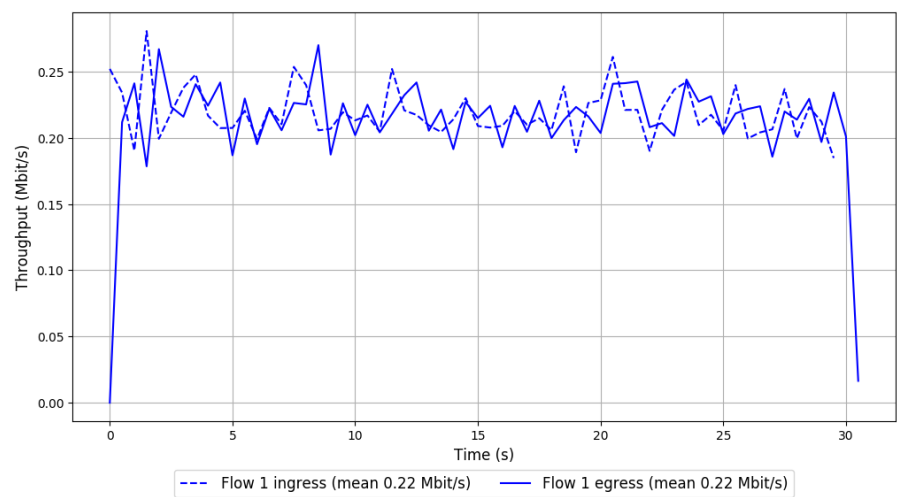


```
Run 1: Statistics of SCReAM

Start at: 2018-06-29 11:45:37
End at: 2018-06-29 11:46:07
Local clock offset: -0.381 ms
Remote clock offset: 0.009 ms

# Below is generated by plot.py at 2018-06-29 16:18:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.664 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.664 ms
Loss rate: 0.00%
```


Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-06-29 12:07:31

End at: 2018-06-29 12:08:01

Local clock offset: -0.753 ms

Remote clock offset: 0.087 ms

Below is generated by plot.py at 2018-06-29 16:18:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.515 ms

Loss rate: 0.00%

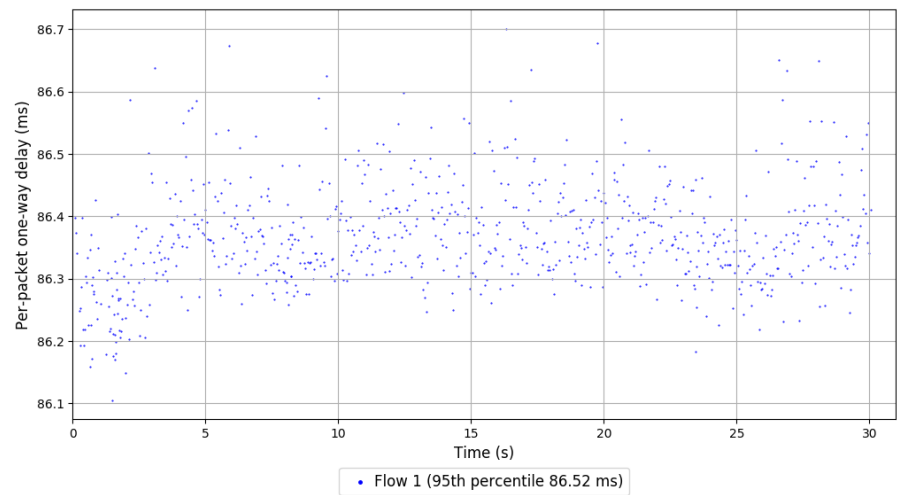
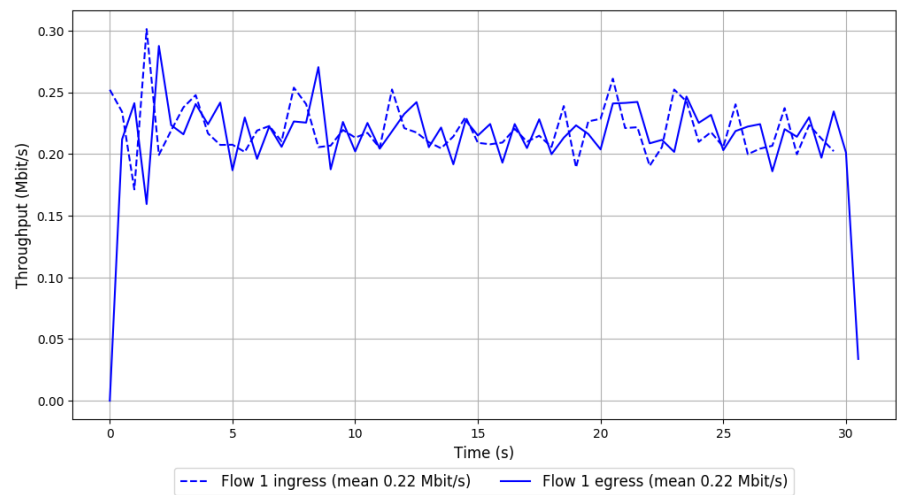
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.515 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-06-29 12:29:10

End at: 2018-06-29 12:29:40

Local clock offset: -0.81 ms

Remote clock offset: 0.157 ms

Below is generated by plot.py at 2018-06-29 16:18:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.620 ms

Loss rate: 0.00%

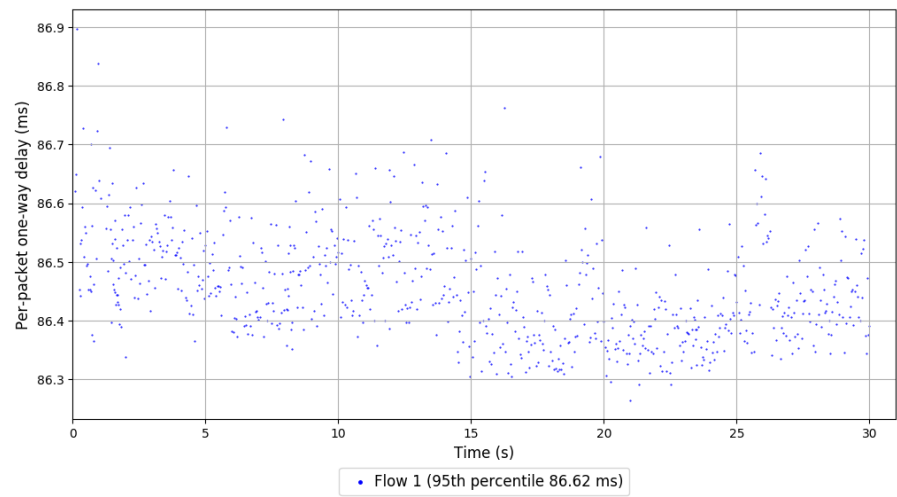
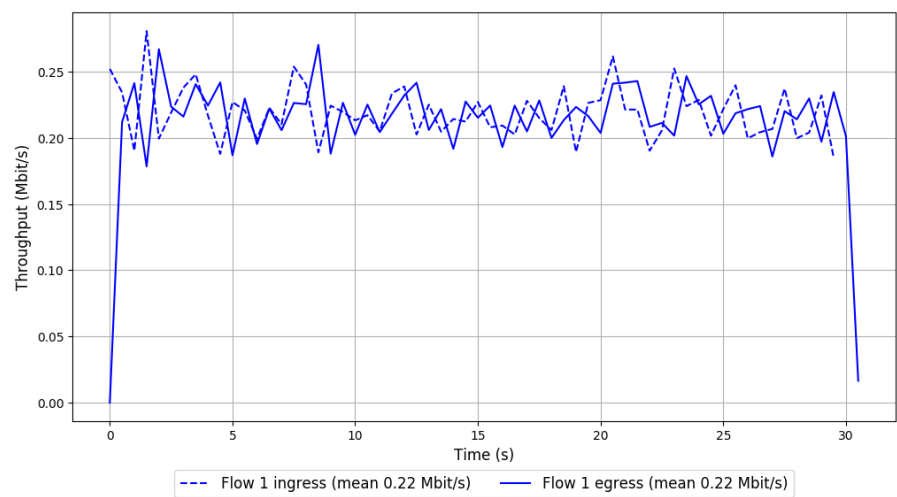
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.620 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-06-29 12:51:08

End at: 2018-06-29 12:51:38

Local clock offset: -0.439 ms

Remote clock offset: 0.179 ms

Below is generated by plot.py at 2018-06-29 16:18:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.069 ms

Loss rate: 0.00%

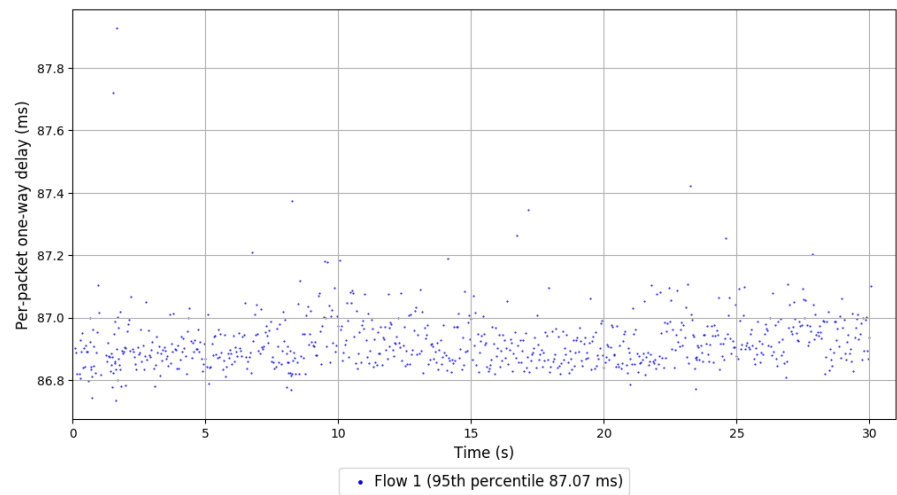
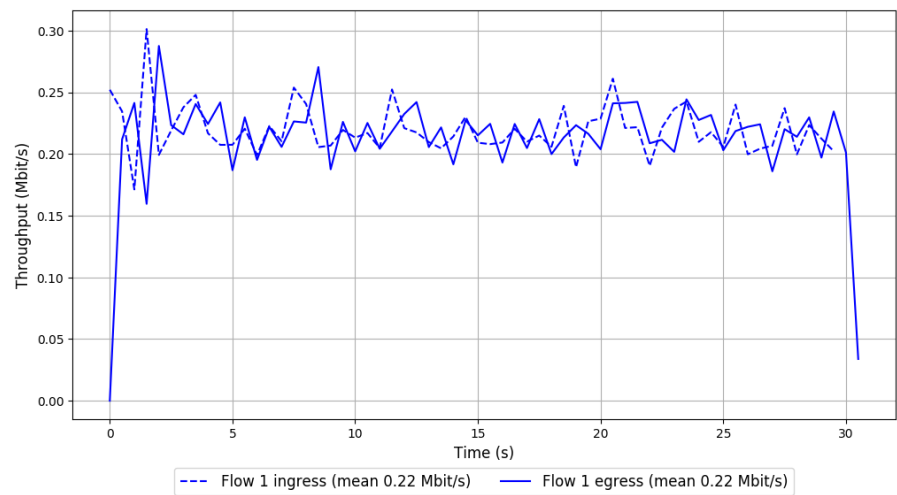
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.069 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-06-29 13:12:58

End at: 2018-06-29 13:13:29

Local clock offset: -0.316 ms

Remote clock offset: 0.264 ms

Below is generated by plot.py at 2018-06-29 16:18:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.604 ms

Loss rate: 0.00%

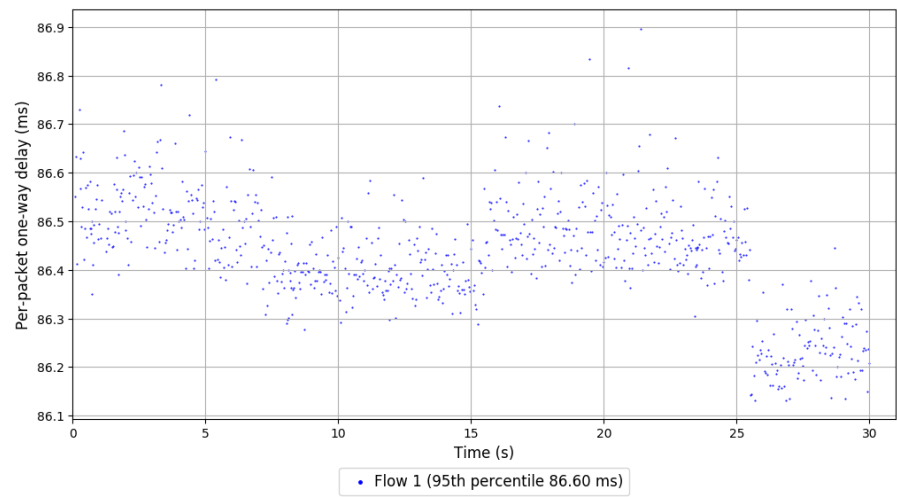
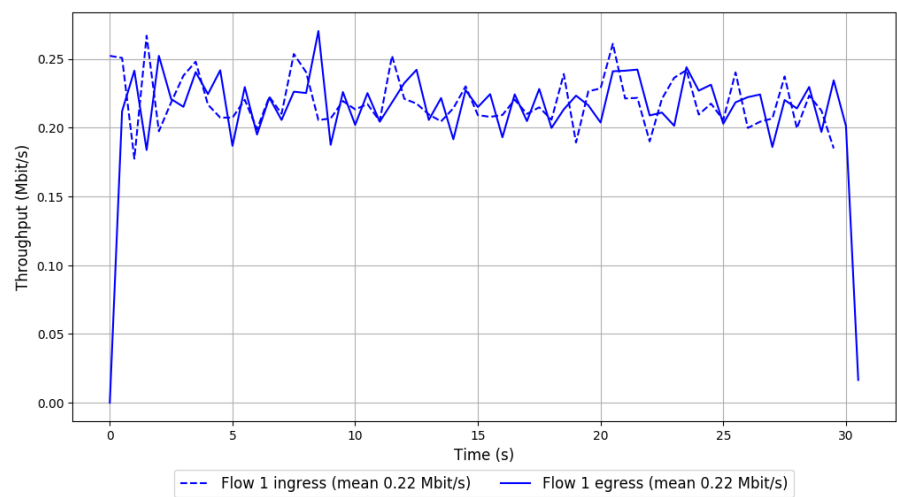
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.604 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

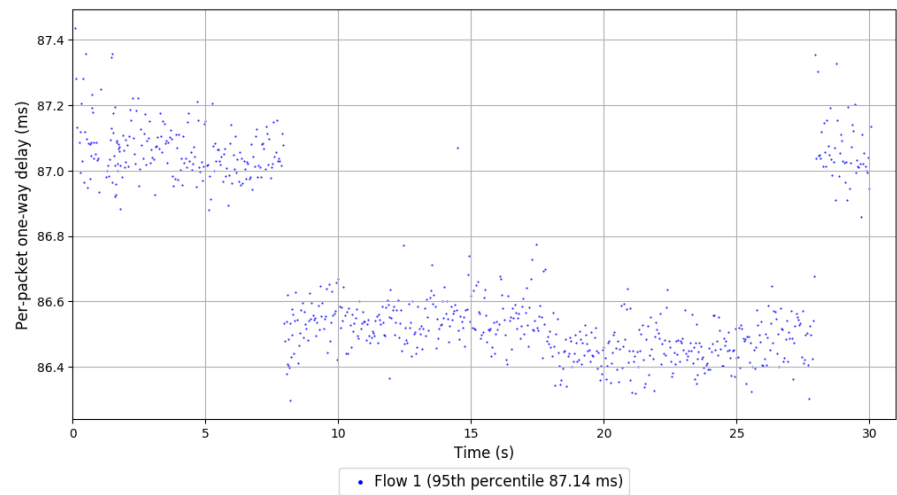
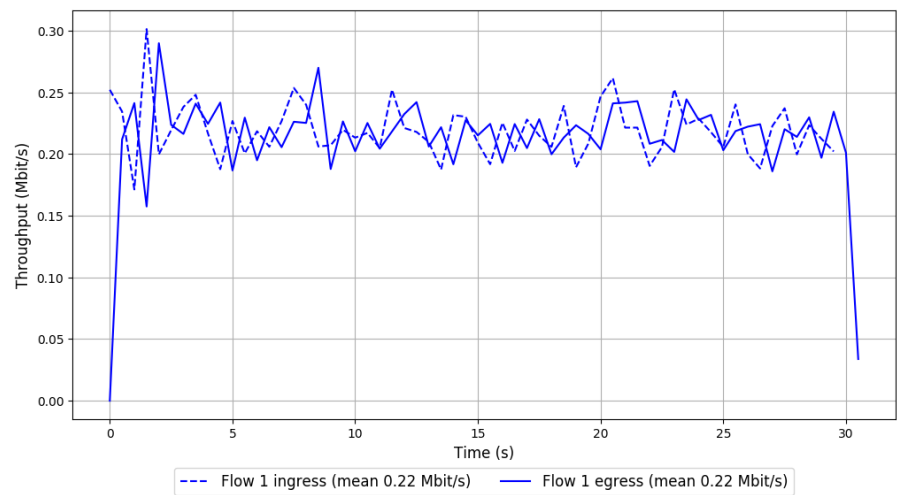


Run 6: Statistics of SCReAM

Start at: 2018-06-29 13:34:46
End at: 2018-06-29 13:35:16
Local clock offset: -0.774 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-06-29 16:18:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.143 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.143 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-06-29 13:56:37

End at: 2018-06-29 13:57:07

Local clock offset: -0.668 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-06-29 16:18:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.846 ms

Loss rate: 0.00%

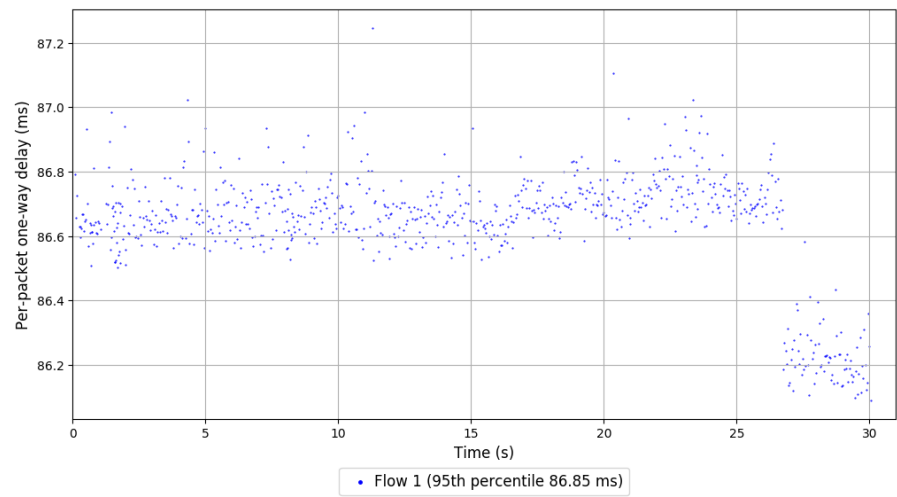
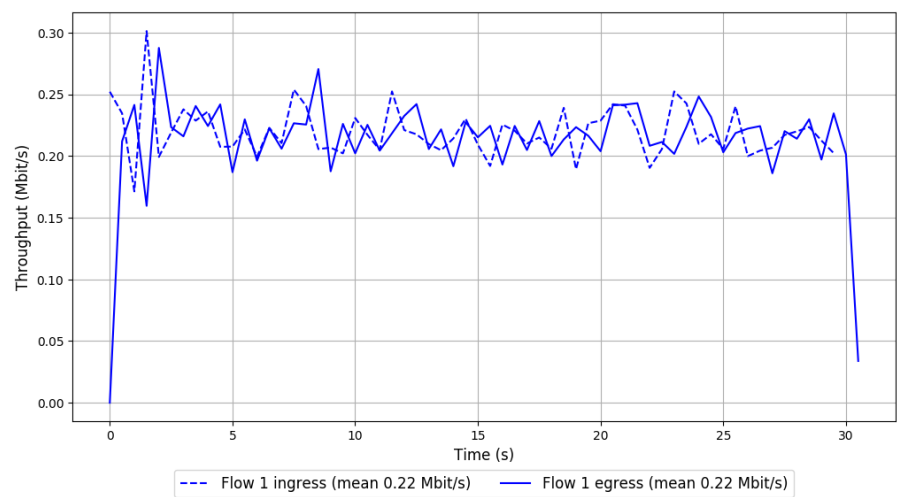
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.846 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

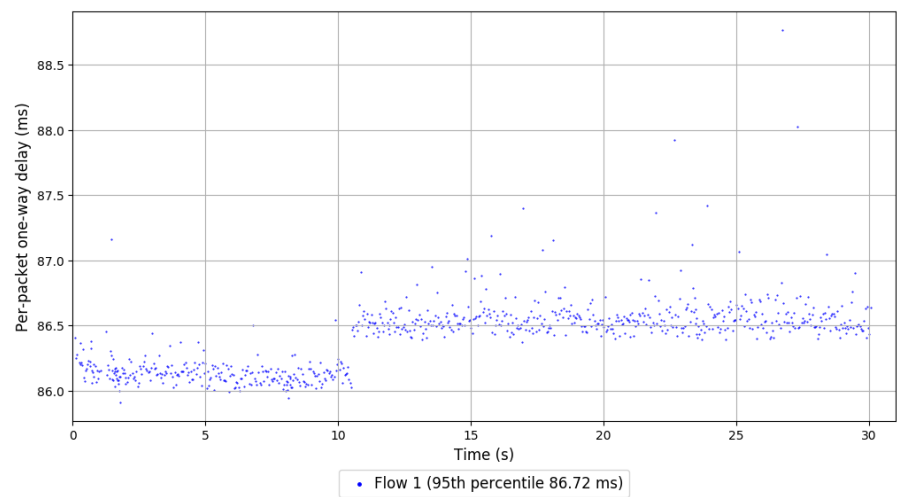
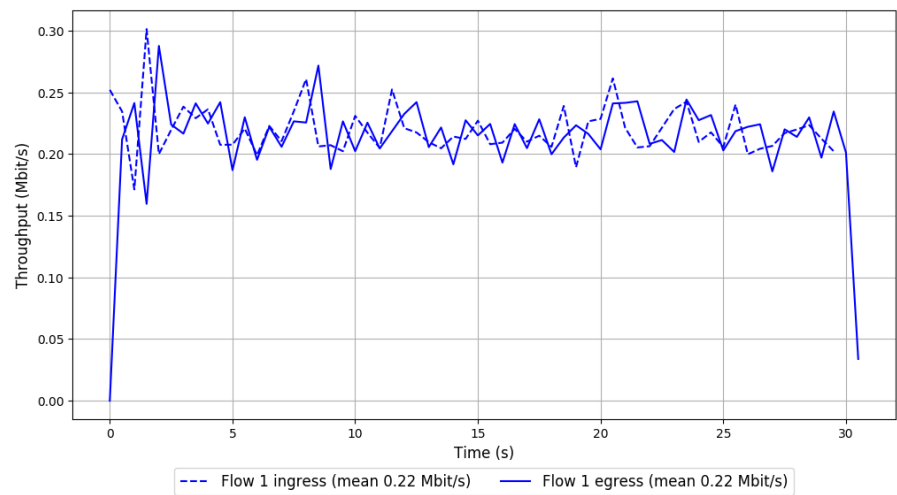


Run 8: Statistics of SCReAM

Start at: 2018-06-29 14:18:34
End at: 2018-06-29 14:19:04
Local clock offset: -0.77 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-06-29 16:18:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.718 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.718 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

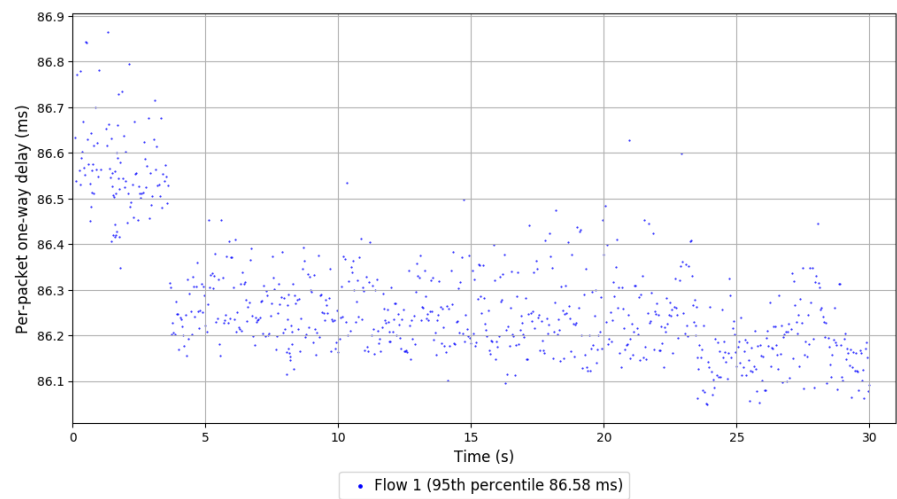
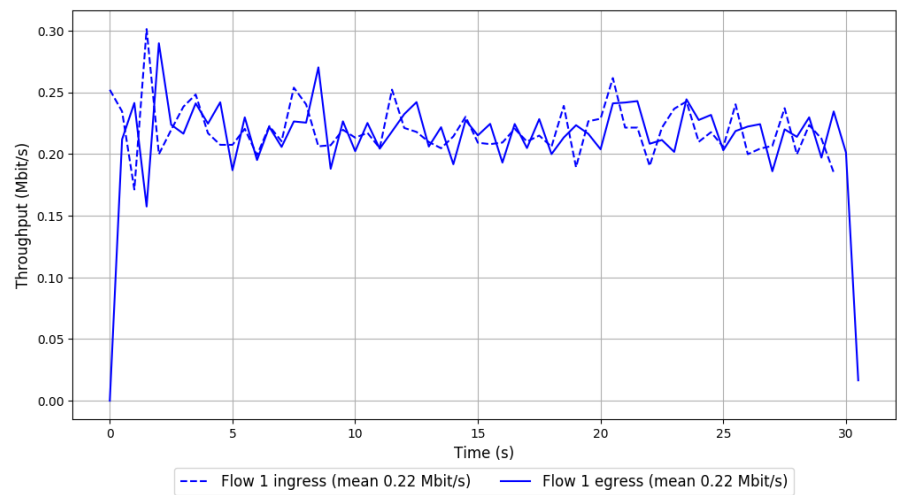


Run 9: Statistics of SReAM

Start at: 2018-06-29 14:40:20
End at: 2018-06-29 14:40:50
Local clock offset: 0.136 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-06-29 16:18:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.575 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.575 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-06-29 15:02:12

End at: 2018-06-29 15:02:42

Local clock offset: 0.1 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-06-29 16:18:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.066 ms

Loss rate: 0.00%

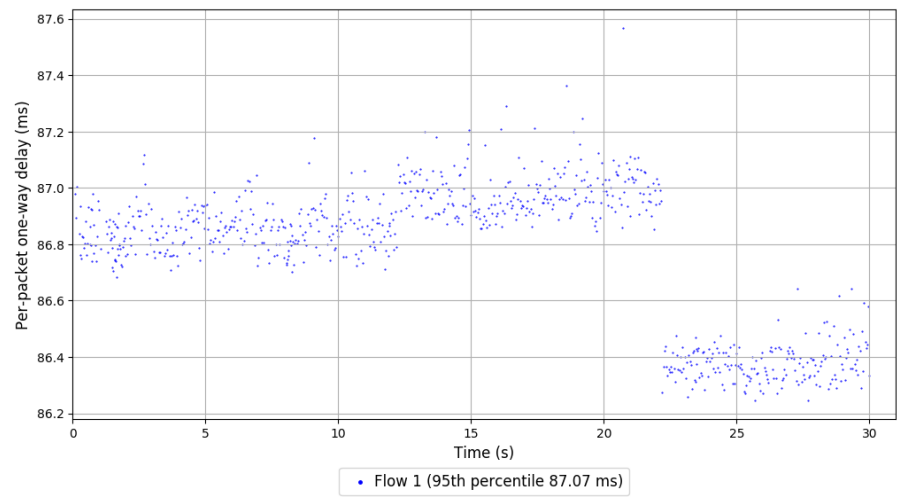
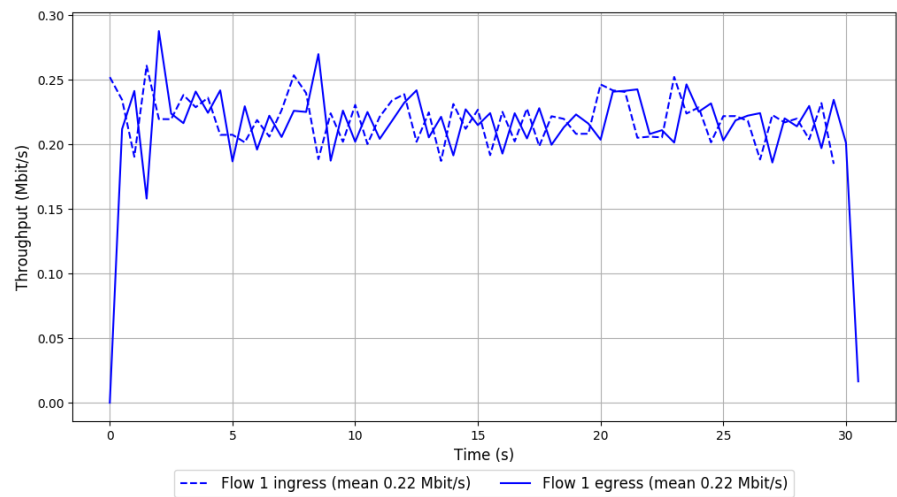
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.066 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-06-29 11:44:30

End at: 2018-06-29 11:45:00

Local clock offset: -0.431 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-06-29 16:18:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 86.907 ms

Loss rate: 0.00%

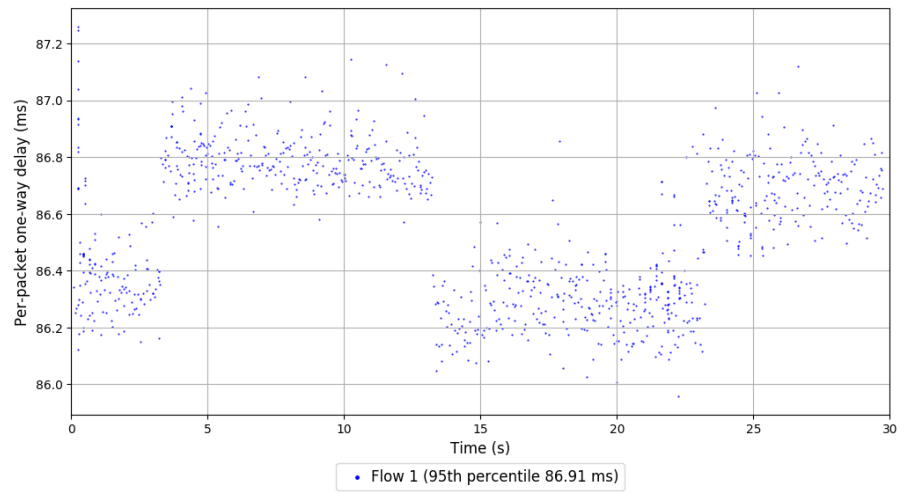
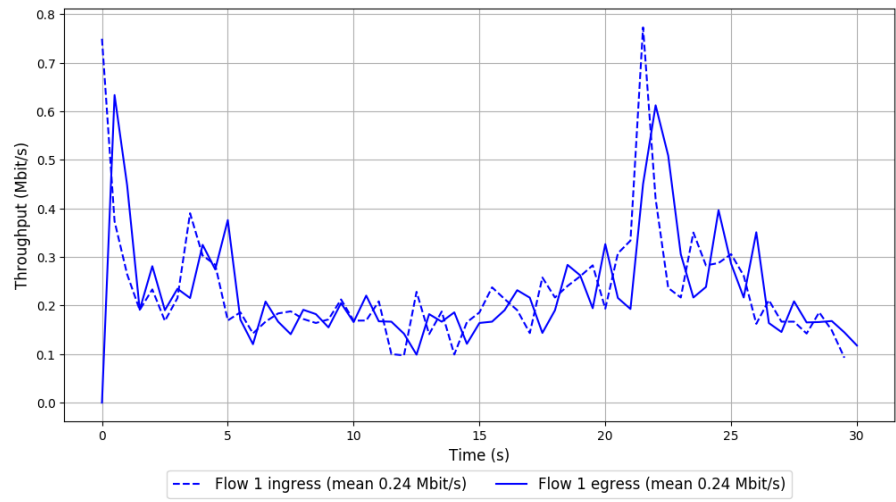
-- Flow 1:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 86.907 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-06-29 12:06:24

End at: 2018-06-29 12:06:55

Local clock offset: -0.949 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-06-29 16:18:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 86.960 ms

Loss rate: 0.00%

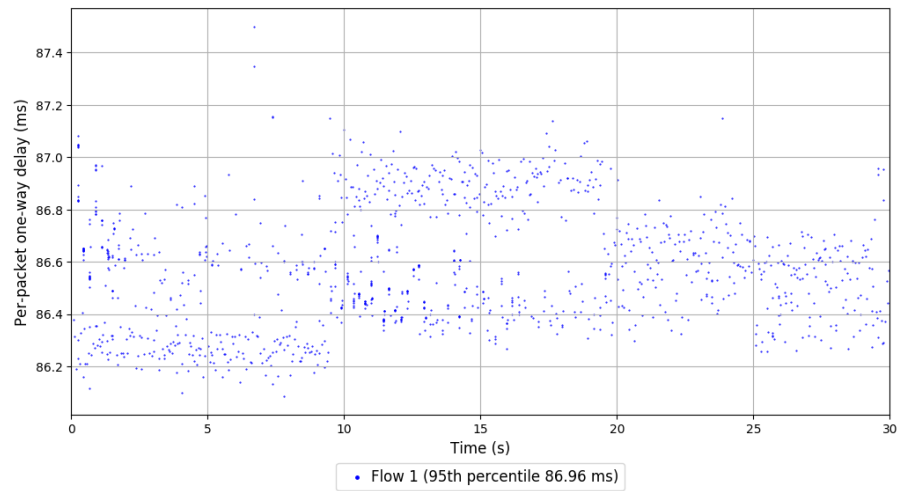
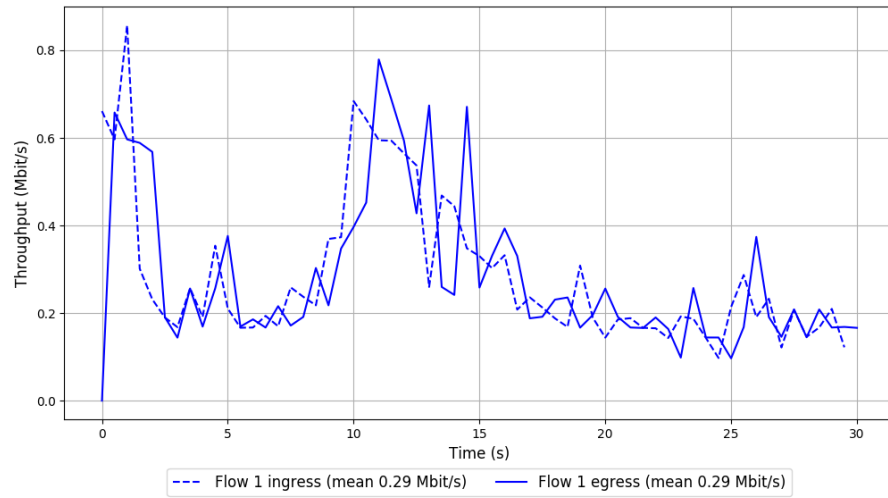
-- Flow 1:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 86.960 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-06-29 12:28:03

End at: 2018-06-29 12:28:33

Local clock offset: -0.454 ms

Remote clock offset: 0.134 ms

Below is generated by plot.py at 2018-06-29 16:18:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 86.871 ms

Loss rate: 0.00%

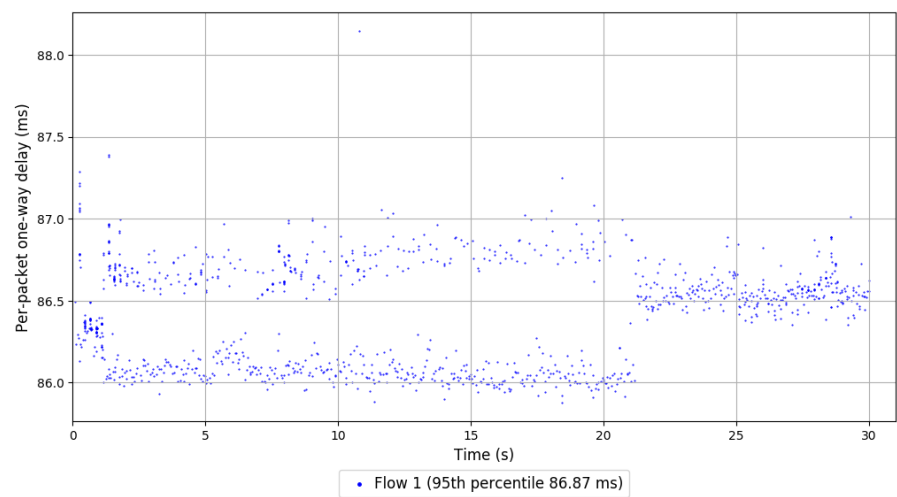
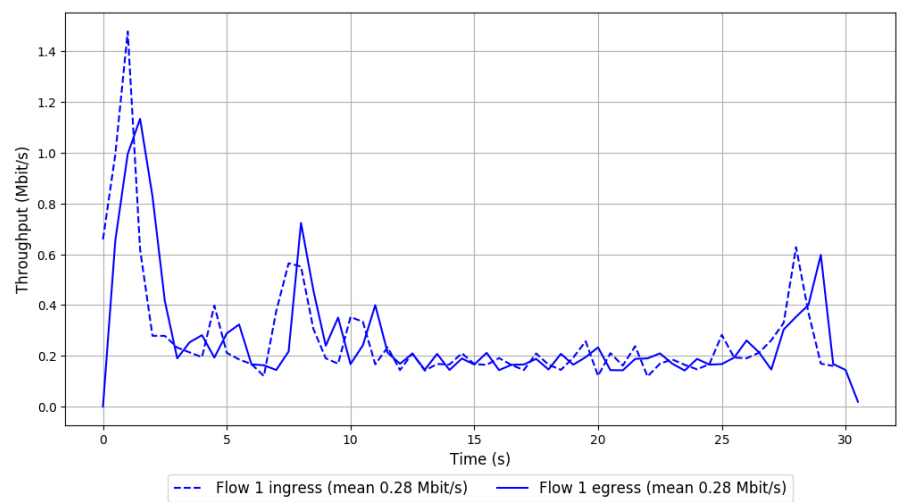
-- Flow 1:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 86.871 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-06-29 12:50:01

End at: 2018-06-29 12:50:31

Local clock offset: -0.255 ms

Remote clock offset: 0.206 ms

Below is generated by plot.py at 2018-06-29 16:18:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 87.109 ms

Loss rate: 0.00%

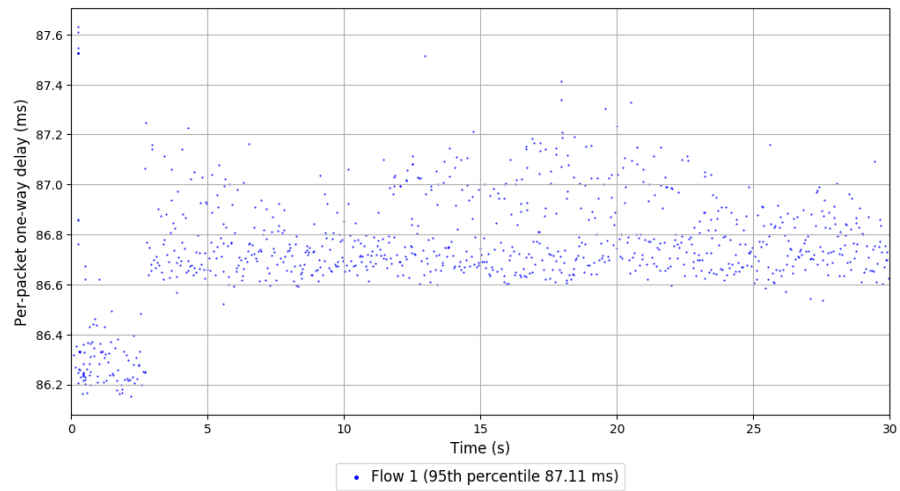
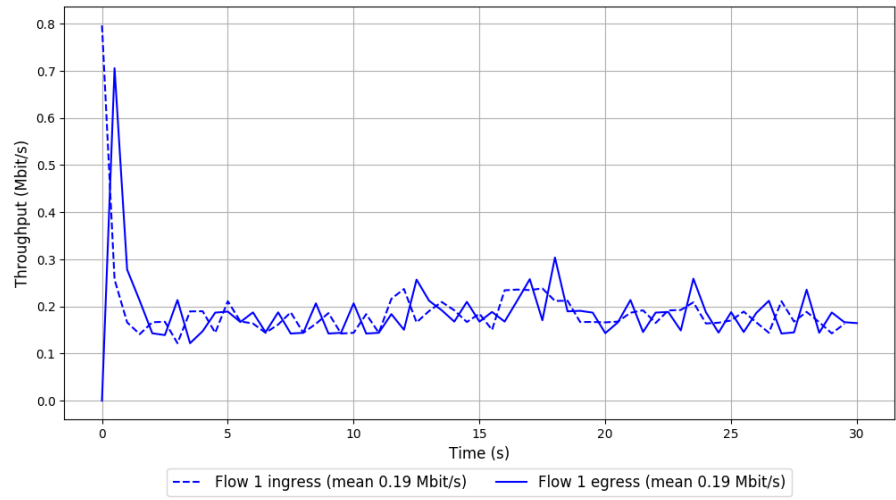
-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 87.109 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-06-29 13:11:52

End at: 2018-06-29 13:12:22

Local clock offset: -0.401 ms

Remote clock offset: 0.268 ms

Below is generated by plot.py at 2018-06-29 16:18:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 87.126 ms

Loss rate: 0.00%

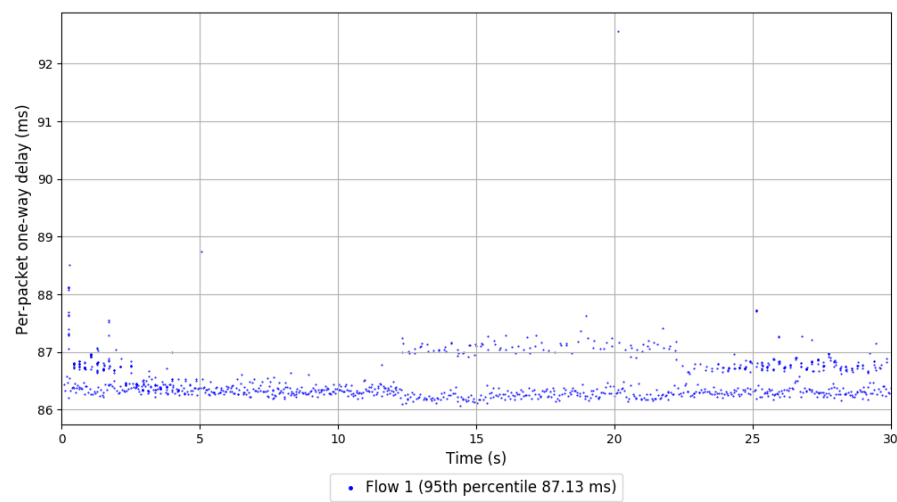
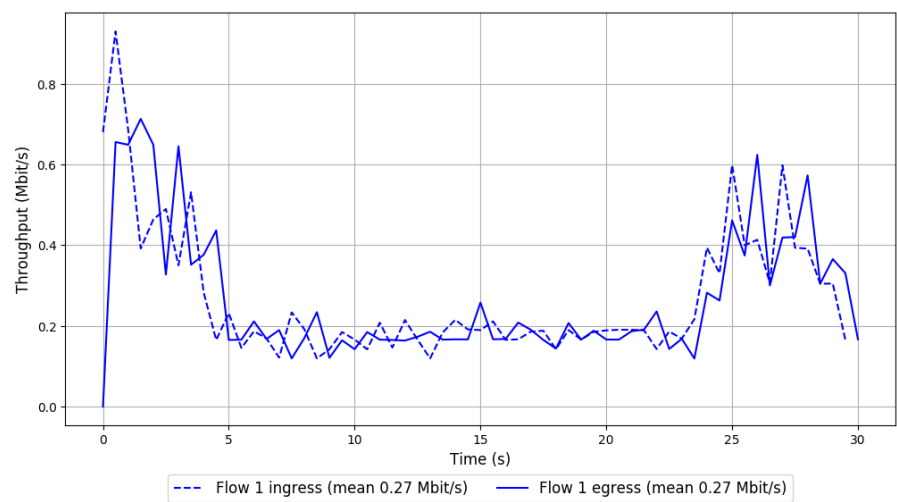
-- Flow 1:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 87.126 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

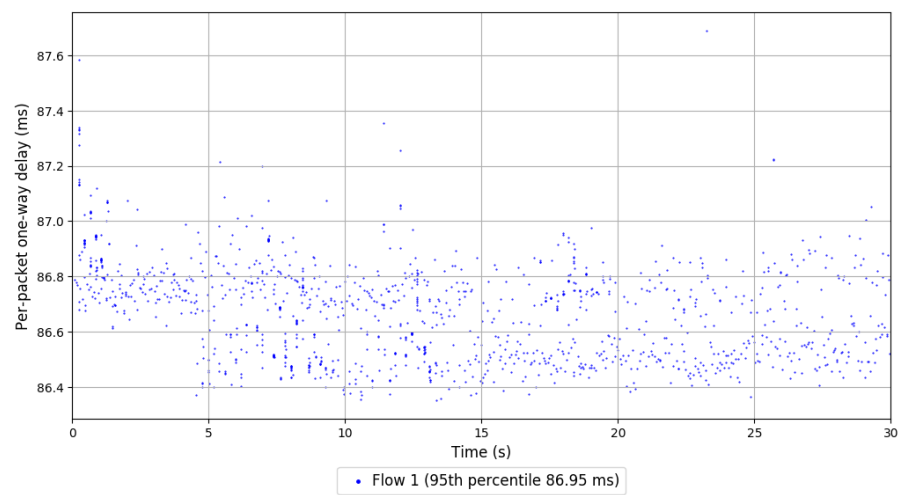
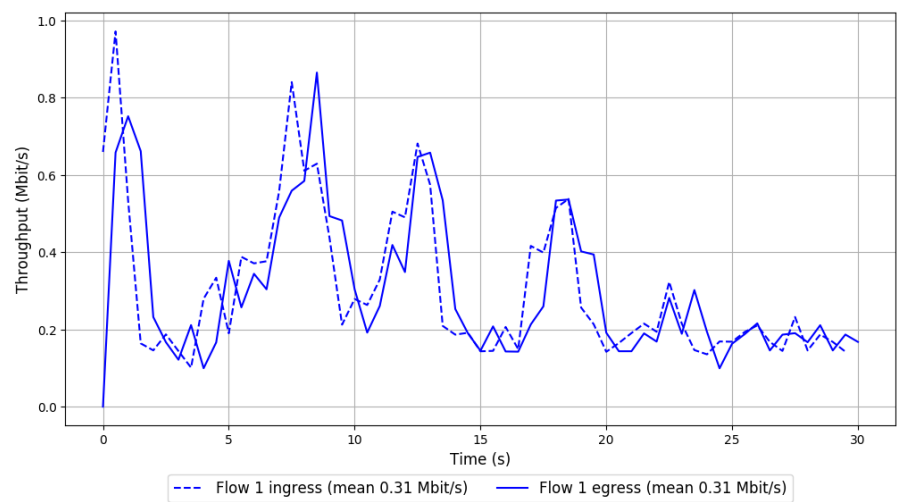


Run 6: Statistics of Sprout

Start at: 2018-06-29 13:33:39
End at: 2018-06-29 13:34:10
Local clock offset: -0.65 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-06-29 16:18:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 86.947 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 86.947 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

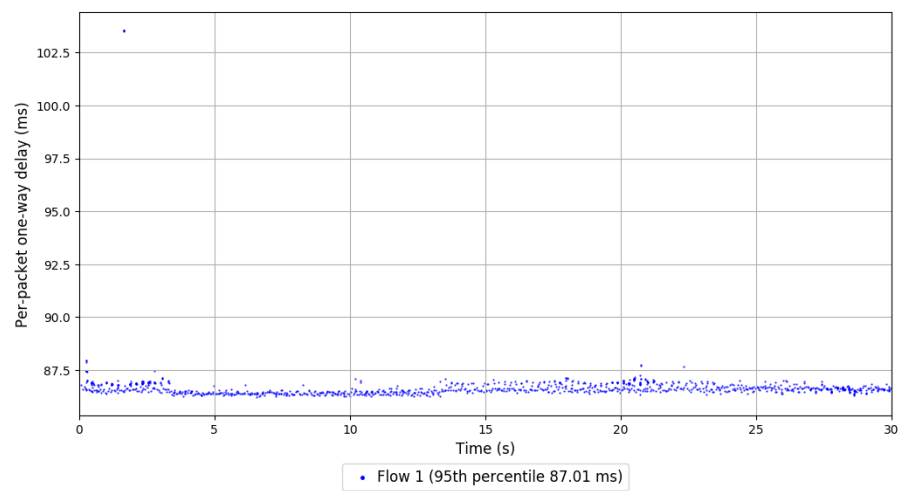
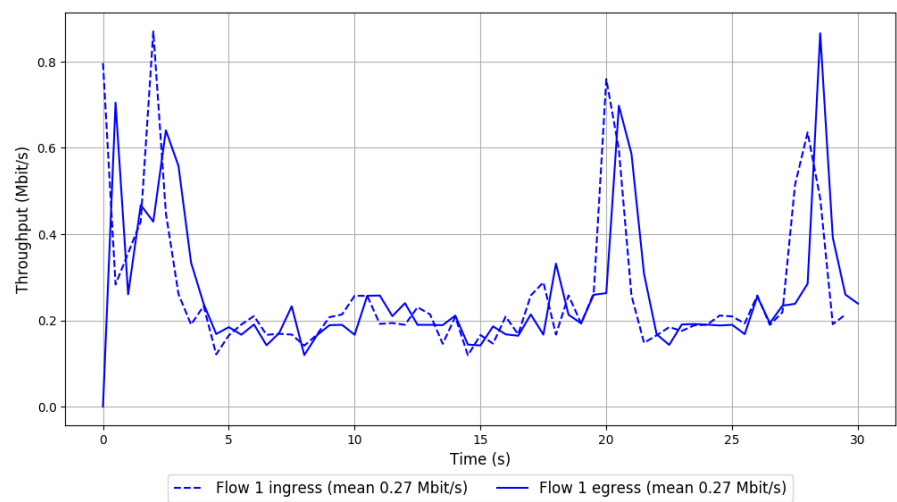


Run 7: Statistics of Sprout

Start at: 2018-06-29 13:55:31
End at: 2018-06-29 13:56:01
Local clock offset: -0.94 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-06-29 16:18:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 87.006 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 87.006 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

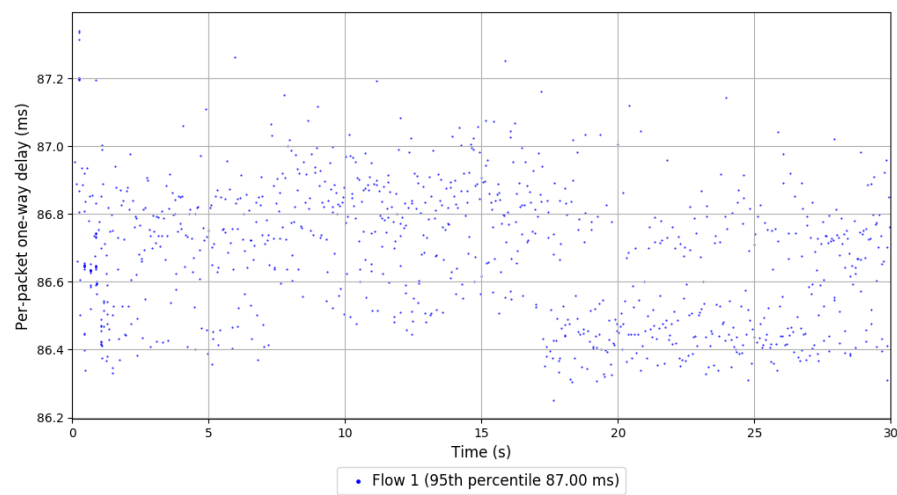
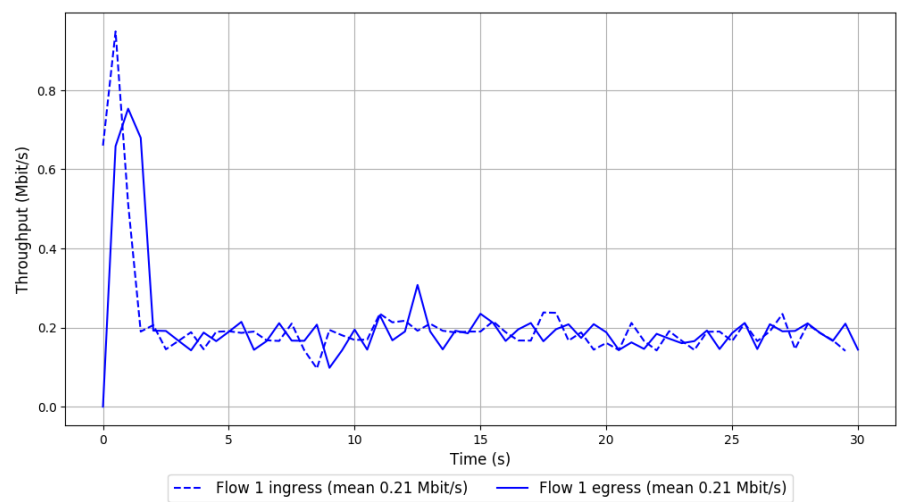


Run 8: Statistics of Sprout

Start at: 2018-06-29 14:17:27
End at: 2018-06-29 14:17:57
Local clock offset: -1.009 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-06-29 16:18:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 87.002 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 87.002 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-06-29 14:39:14

End at: 2018-06-29 14:39:44

Local clock offset: 0.3 ms

Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-06-29 16:18:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 86.594 ms

Loss rate: 0.00%

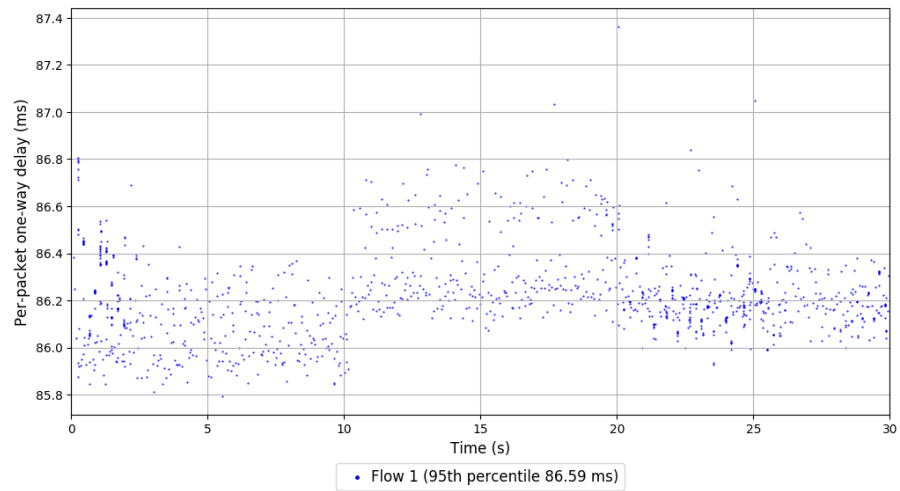
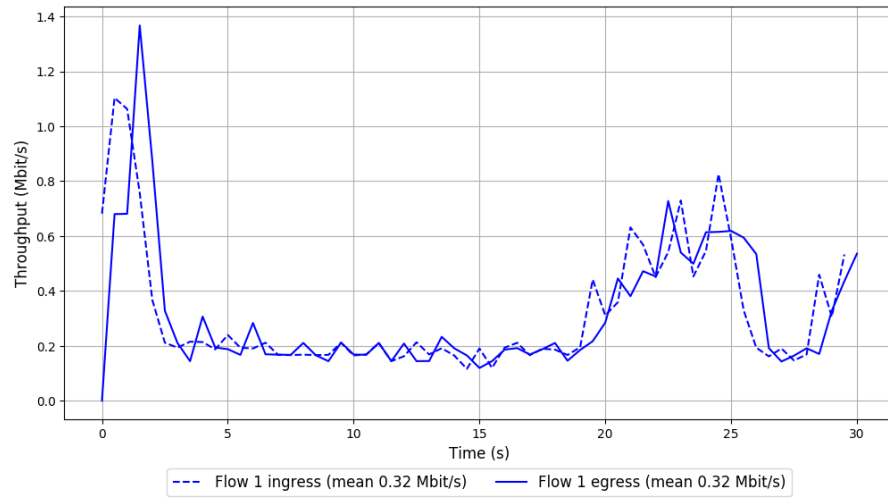
-- Flow 1:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 86.594 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-06-29 15:01:05

End at: 2018-06-29 15:01:35

Local clock offset: 0.249 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-06-29 16:18:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 86.690 ms

Loss rate: 0.00%

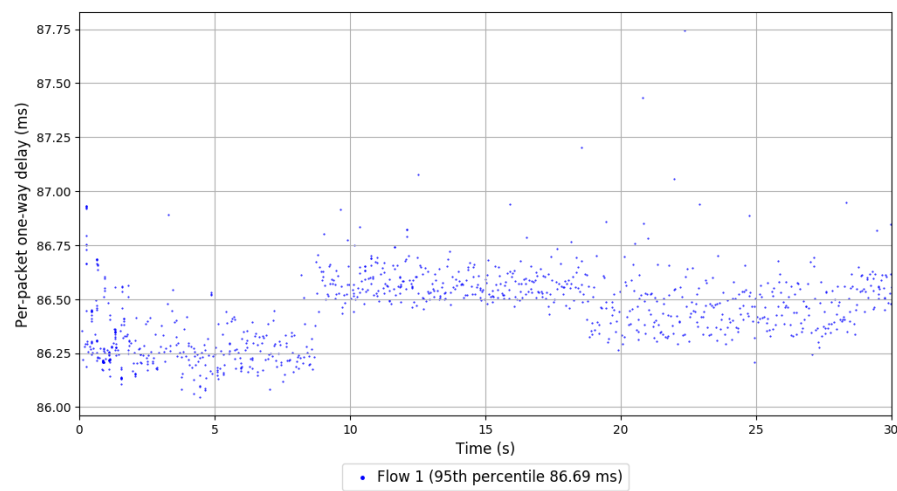
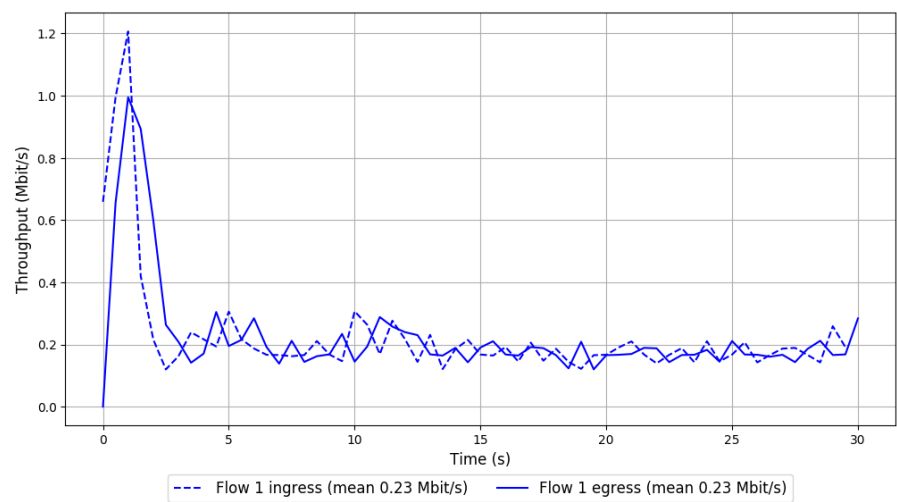
-- Flow 1:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 86.690 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

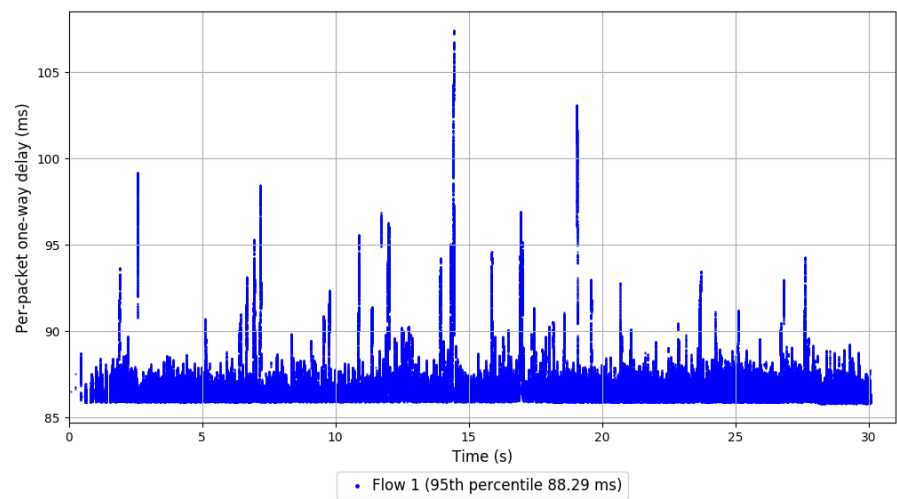
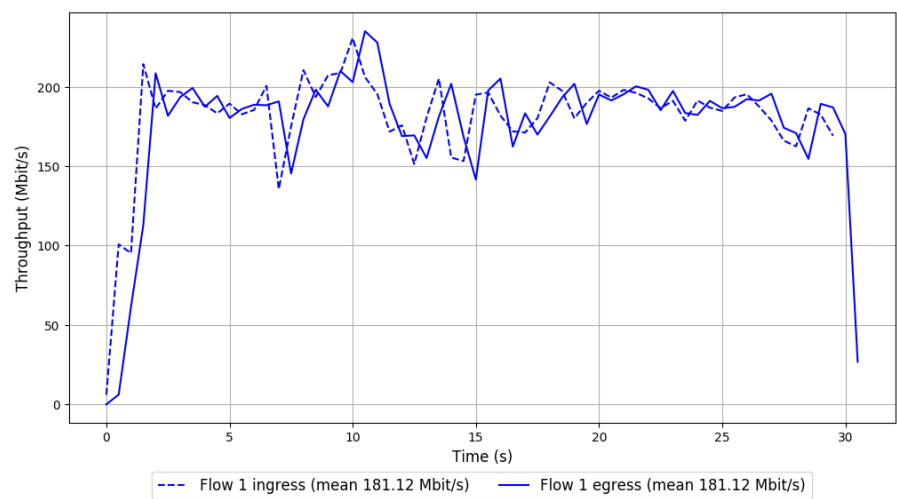


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-06-29 11:48:06
End at: 2018-06-29 11:48:36
Local clock offset: -0.448 ms
Remote clock offset: 0.06 ms

# Below is generated by plot.py at 2018-06-29 16:18:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 181.12 Mbit/s
95th percentile per-packet one-way delay: 88.294 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 181.12 Mbit/s
95th percentile per-packet one-way delay: 88.294 ms
Loss rate: 0.00%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-06-29 12:09:56

End at: 2018-06-29 12:10:26

Local clock offset: -0.494 ms

Remote clock offset: 0.095 ms

Below is generated by plot.py at 2018-06-29 16:19:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.53 Mbit/s

95th percentile per-packet one-way delay: 88.254 ms

Loss rate: 0.00%

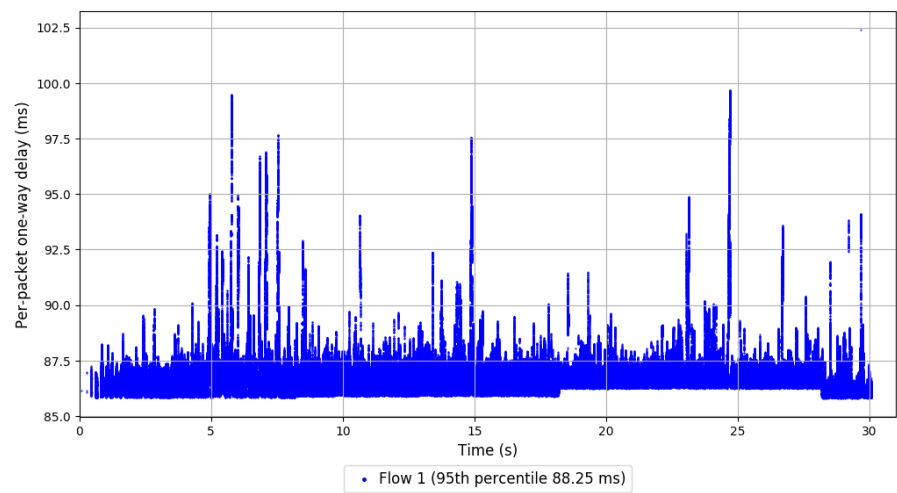
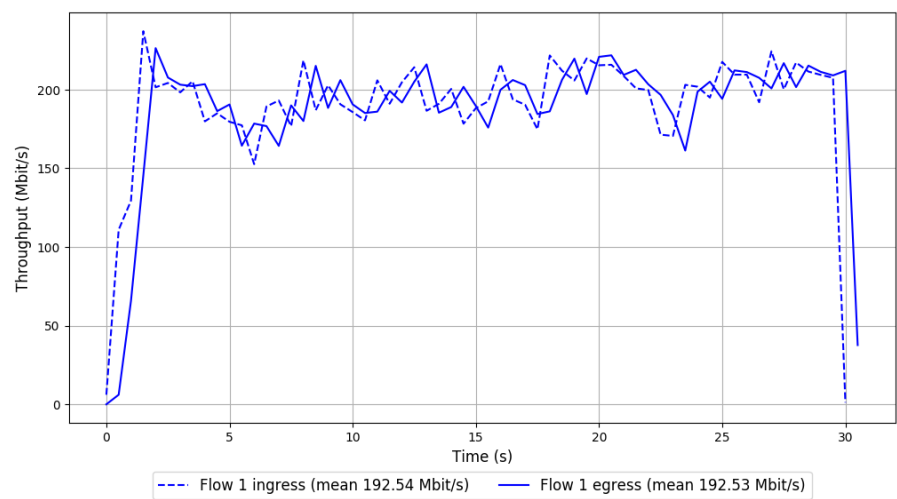
-- Flow 1:

Average throughput: 192.53 Mbit/s

95th percentile per-packet one-way delay: 88.254 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-06-29 12:31:36

End at: 2018-06-29 12:32:06

Local clock offset: -0.557 ms

Remote clock offset: 0.182 ms

Below is generated by plot.py at 2018-06-29 16:19:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 178.94 Mbit/s

95th percentile per-packet one-way delay: 87.693 ms

Loss rate: 0.00%

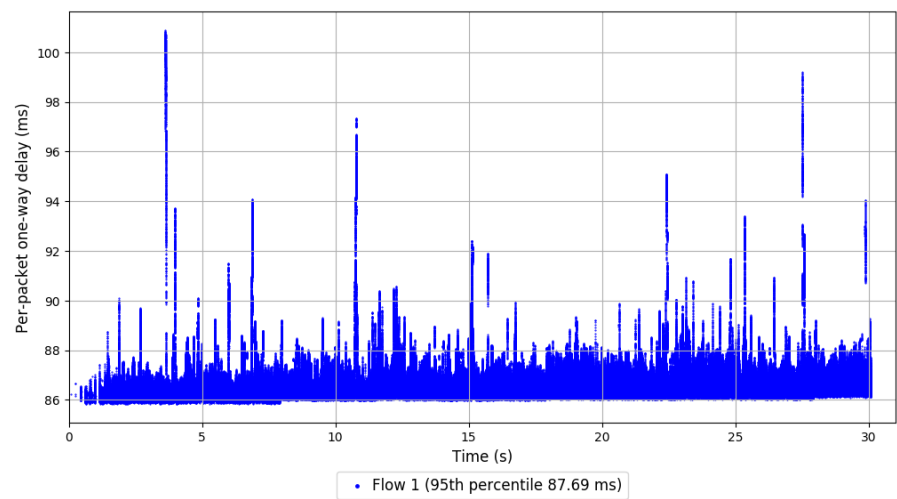
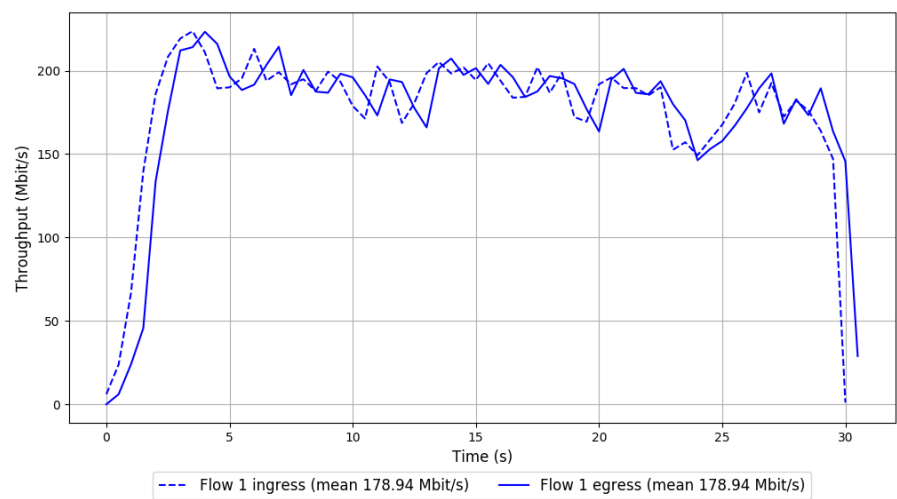
-- Flow 1:

Average throughput: 178.94 Mbit/s

95th percentile per-packet one-way delay: 87.693 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-06-29 12:53:32

End at: 2018-06-29 12:54:02

Local clock offset: -0.294 ms

Remote clock offset: 0.207 ms

Below is generated by plot.py at 2018-06-29 16:19:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 182.08 Mbit/s

95th percentile per-packet one-way delay: 88.227 ms

Loss rate: 0.00%

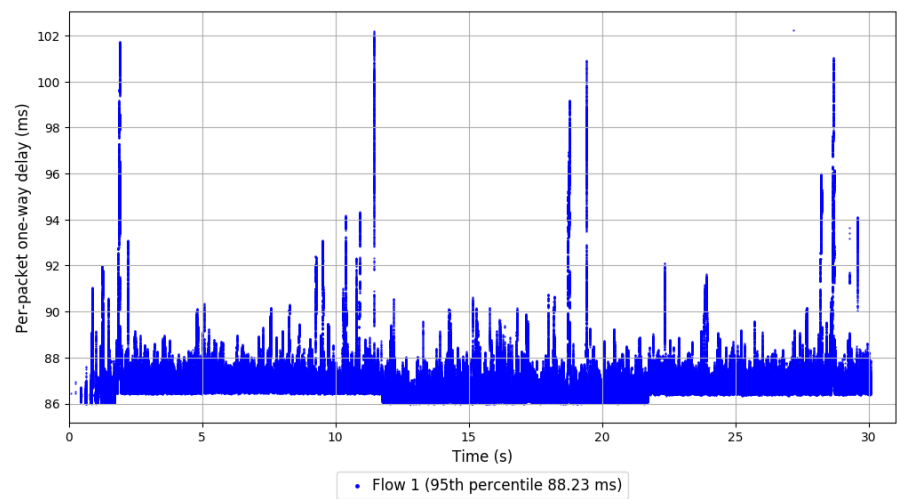
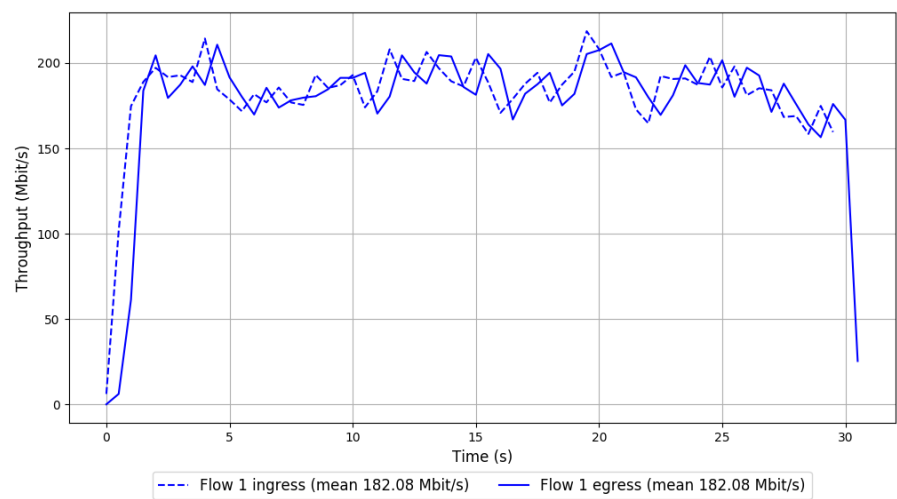
-- Flow 1:

Average throughput: 182.08 Mbit/s

95th percentile per-packet one-way delay: 88.227 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-06-29 13:15:21

End at: 2018-06-29 13:15:51

Local clock offset: -0.399 ms

Remote clock offset: 0.117 ms

Below is generated by plot.py at 2018-06-29 16:22:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.04 Mbit/s

95th percentile per-packet one-way delay: 88.138 ms

Loss rate: 0.00%

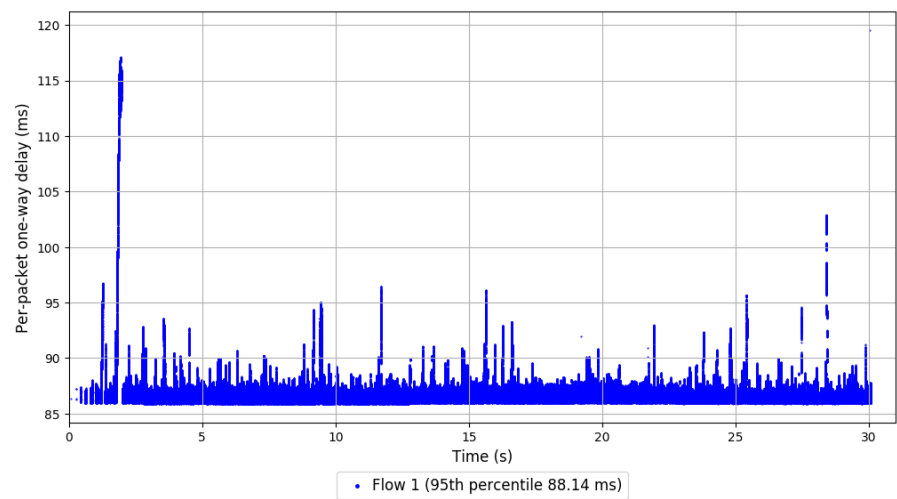
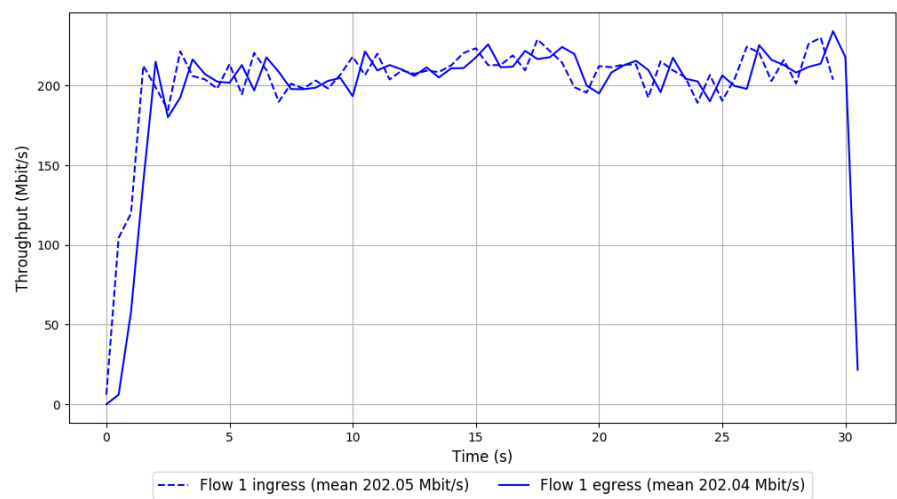
-- Flow 1:

Average throughput: 202.04 Mbit/s

95th percentile per-packet one-way delay: 88.138 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-06-29 13:37:14

End at: 2018-06-29 13:37:44

Local clock offset: -0.363 ms

Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-06-29 16:22:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.97 Mbit/s

95th percentile per-packet one-way delay: 93.109 ms

Loss rate: 0.00%

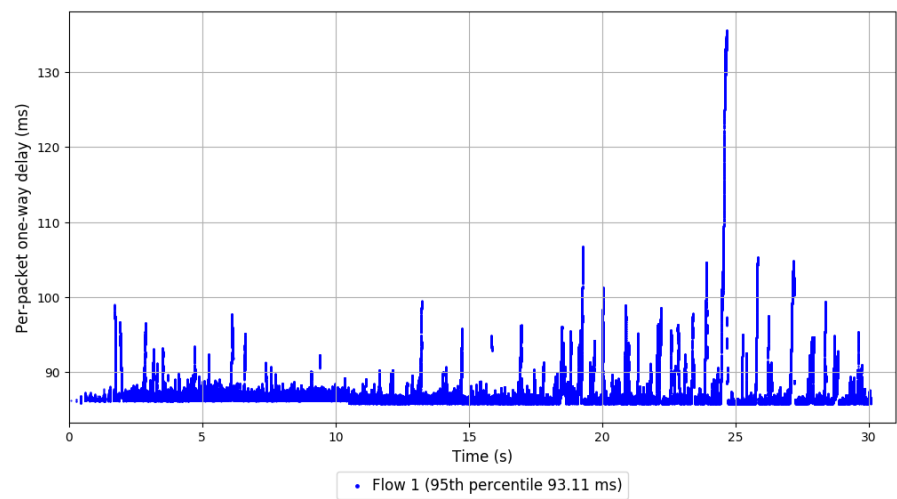
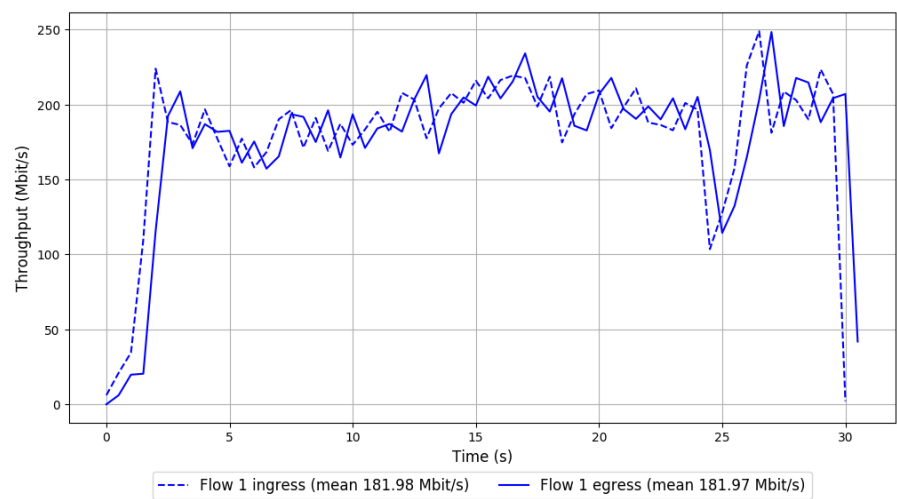
-- Flow 1:

Average throughput: 181.97 Mbit/s

95th percentile per-packet one-way delay: 93.109 ms

Loss rate: 0.00%

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

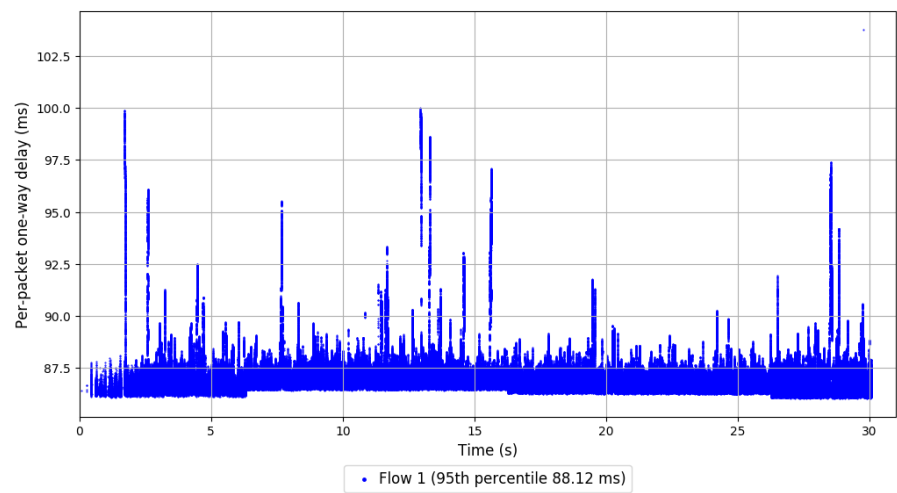
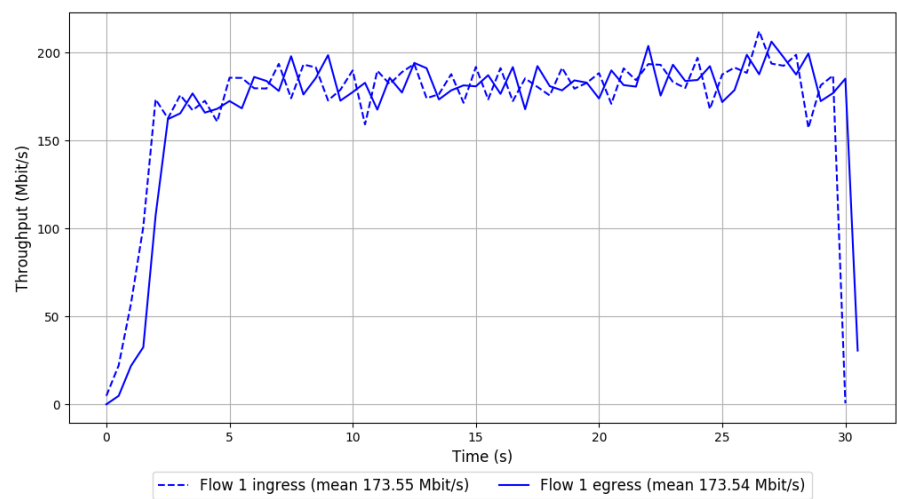


Run 7: Statistics of TaoVA-100x

Start at: 2018-06-29 13:59:08
End at: 2018-06-29 13:59:38
Local clock offset: -0.868 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-06-29 16:22:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 173.54 Mbit/s
95th percentile per-packet one-way delay: 88.116 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 173.54 Mbit/s
95th percentile per-packet one-way delay: 88.116 ms
Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-06-29 14:21:00

End at: 2018-06-29 14:21:30

Local clock offset: -0.81 ms

Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-06-29 16:24:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 190.21 Mbit/s

95th percentile per-packet one-way delay: 88.252 ms

Loss rate: 0.00%

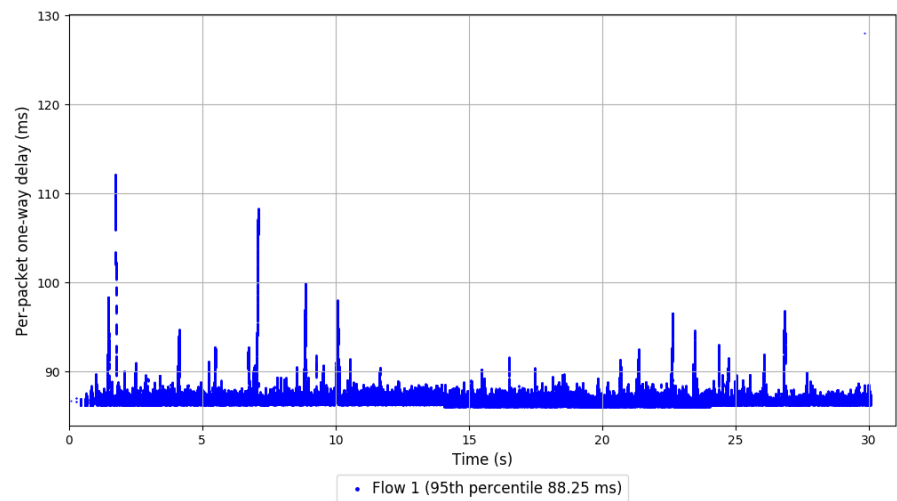
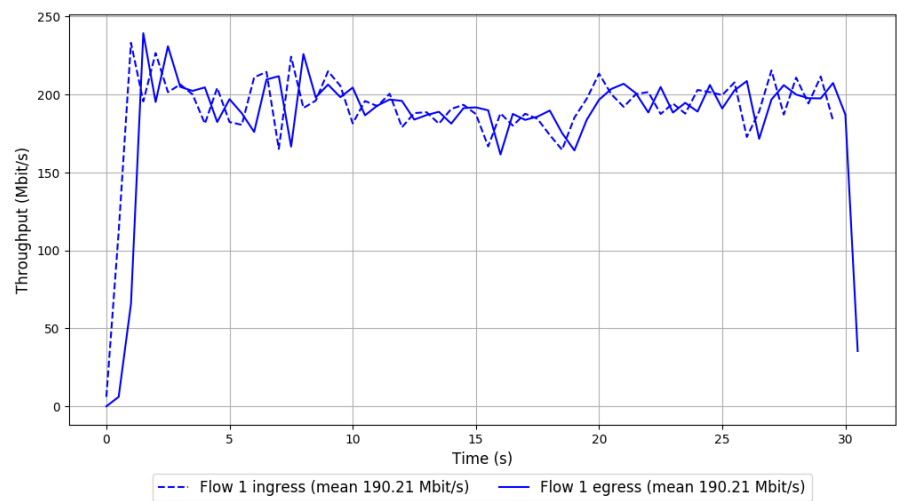
-- Flow 1:

Average throughput: 190.21 Mbit/s

95th percentile per-packet one-way delay: 88.252 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-06-29 14:42:47

End at: 2018-06-29 14:43:17

Local clock offset: 0.286 ms

Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-06-29 16:25:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.62 Mbit/s

95th percentile per-packet one-way delay: 88.484 ms

Loss rate: 0.00%

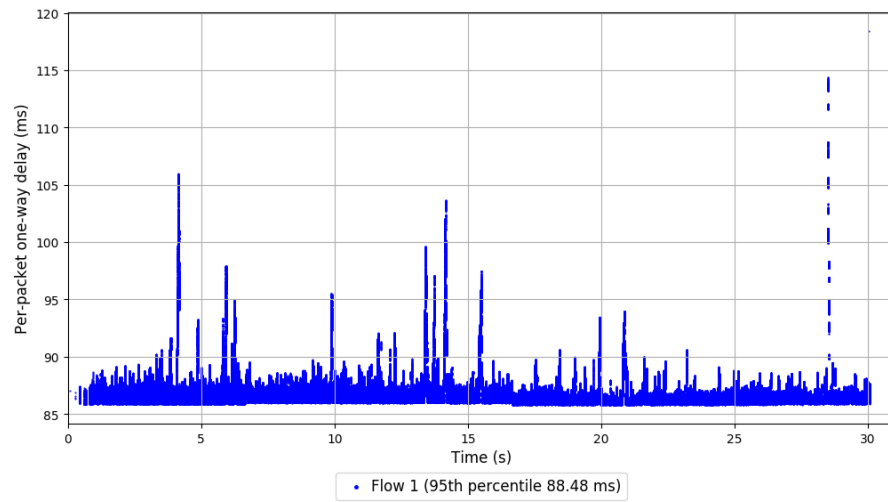
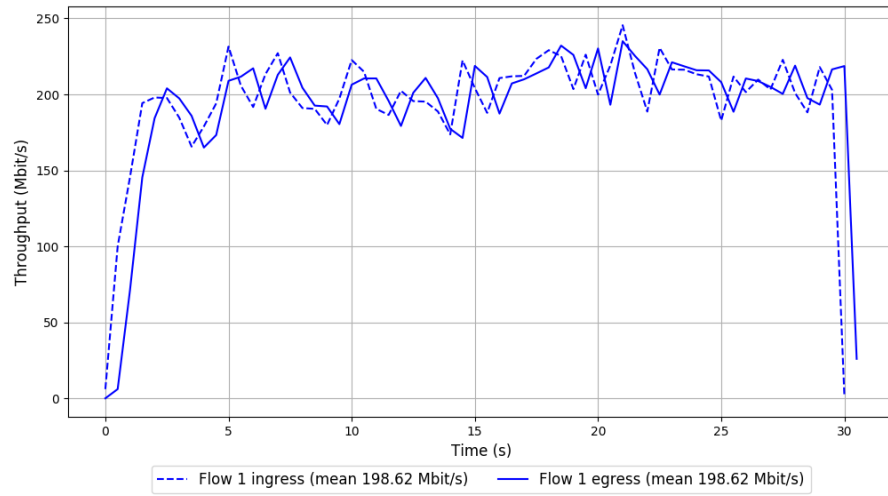
-- Flow 1:

Average throughput: 198.62 Mbit/s

95th percentile per-packet one-way delay: 88.484 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-06-29 15:04:39

End at: 2018-06-29 15:05:09

Local clock offset: 0.099 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-06-29 16:25:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 199.48 Mbit/s

95th percentile per-packet one-way delay: 87.901 ms

Loss rate: 0.00%

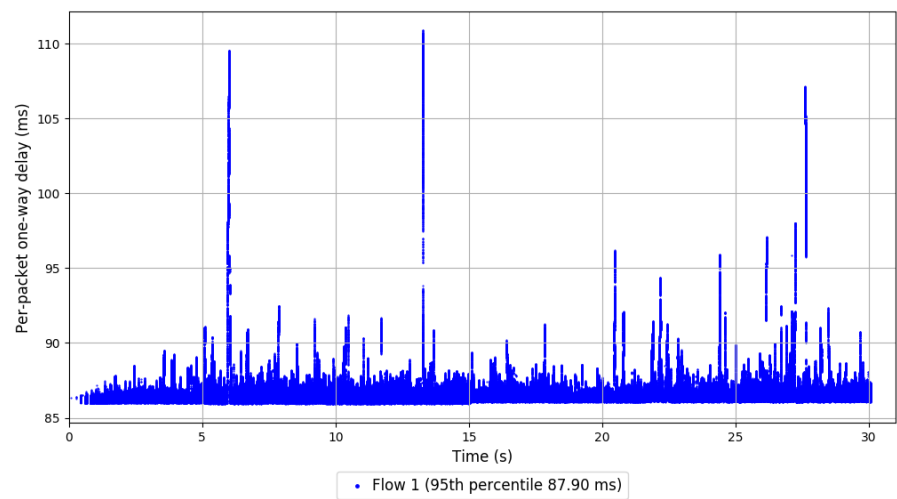
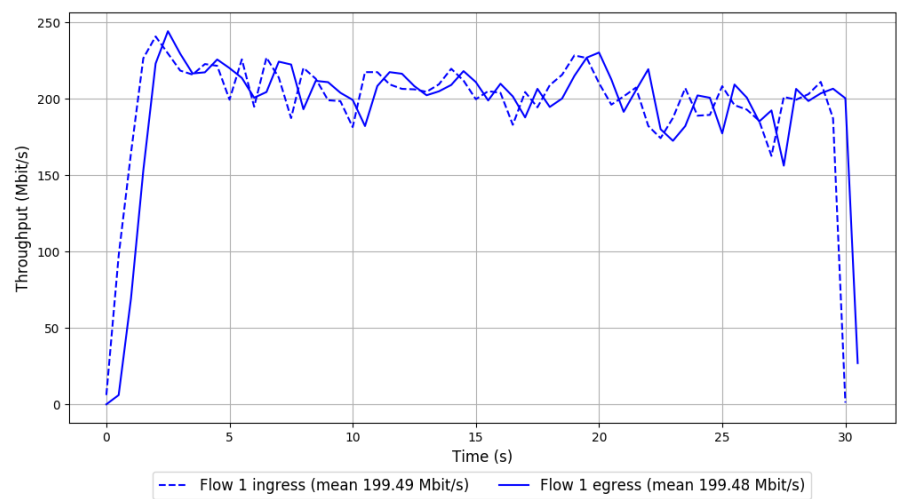
-- Flow 1:

Average throughput: 199.48 Mbit/s

95th percentile per-packet one-way delay: 87.901 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-06-29 11:40:59

End at: 2018-06-29 11:41:29

Local clock offset: -0.333 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-06-29 16:25:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.14 Mbit/s

95th percentile per-packet one-way delay: 88.667 ms

Loss rate: 0.00%

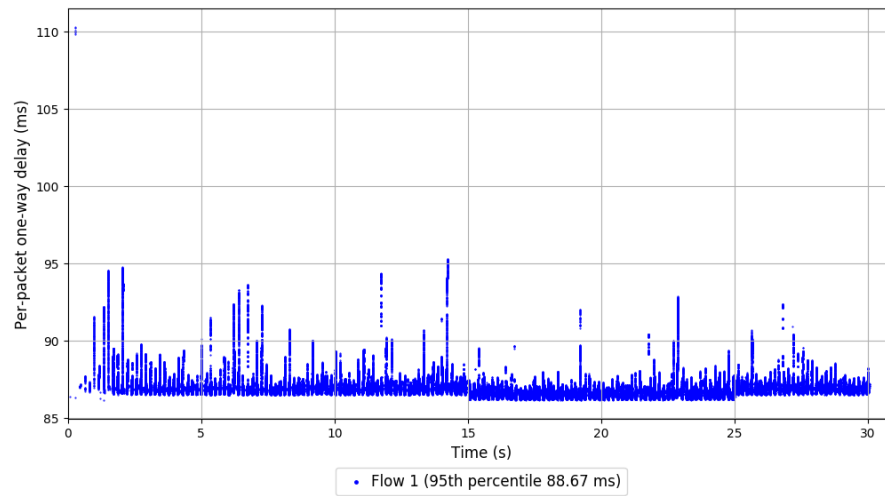
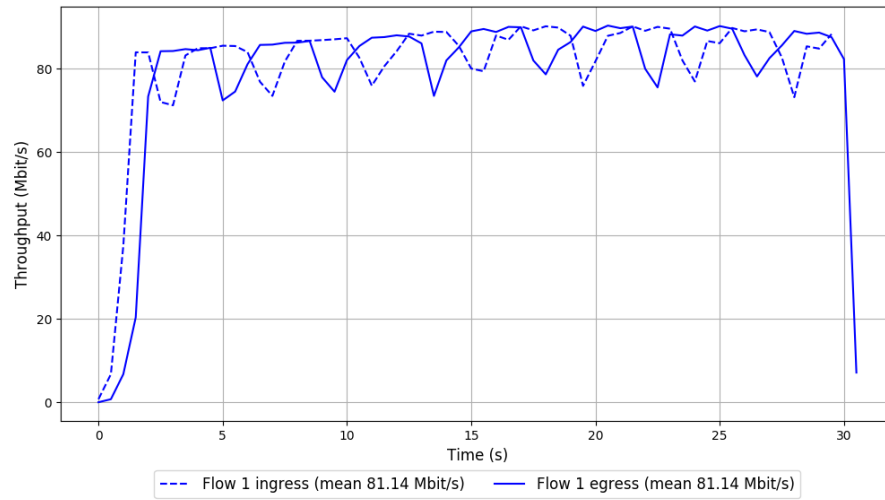
-- Flow 1:

Average throughput: 81.14 Mbit/s

95th percentile per-packet one-way delay: 88.667 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-06-29 12:02:54

End at: 2018-06-29 12:03:24

Local clock offset: -1.285 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-06-29 16:25:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.92 Mbit/s

95th percentile per-packet one-way delay: 98.339 ms

Loss rate: 0.00%

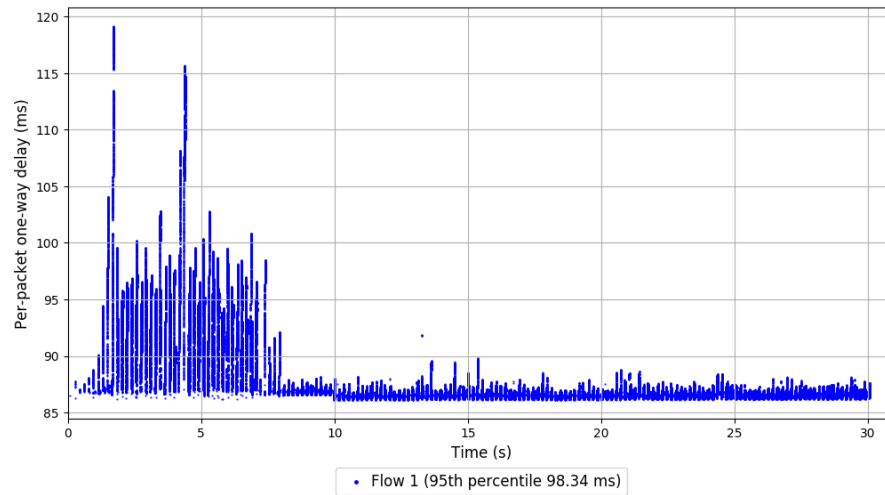
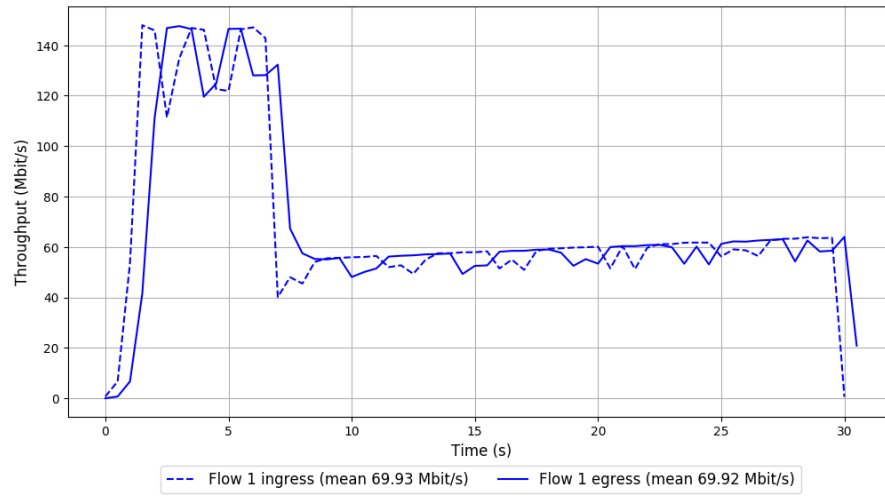
-- Flow 1:

Average throughput: 69.92 Mbit/s

95th percentile per-packet one-way delay: 98.339 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-06-29 12:24:29

End at: 2018-06-29 12:24:59

Local clock offset: -0.396 ms

Remote clock offset: 0.194 ms

Below is generated by plot.py at 2018-06-29 16:25:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.00 Mbit/s

95th percentile per-packet one-way delay: 98.849 ms

Loss rate: 0.00%

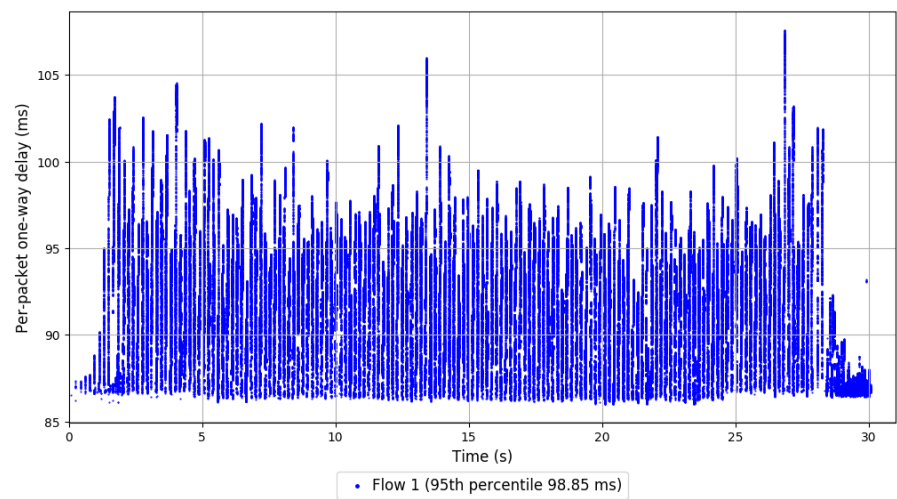
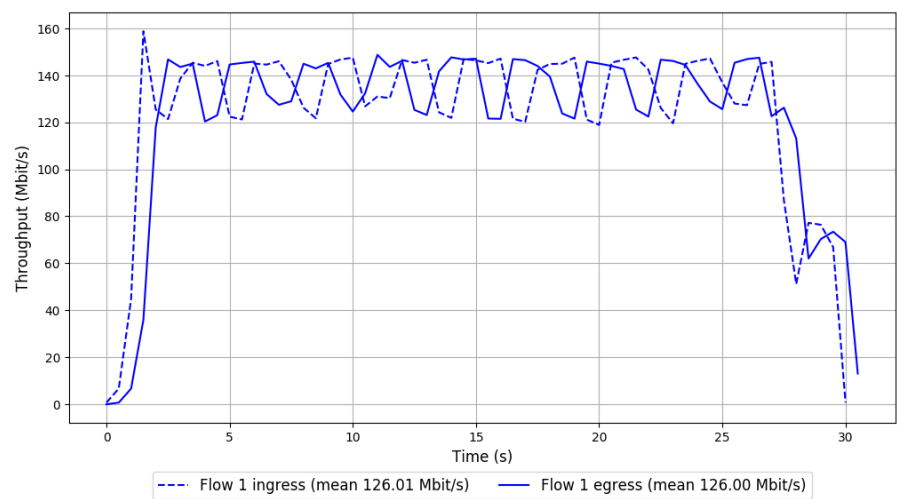
-- Flow 1:

Average throughput: 126.00 Mbit/s

95th percentile per-packet one-way delay: 98.849 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

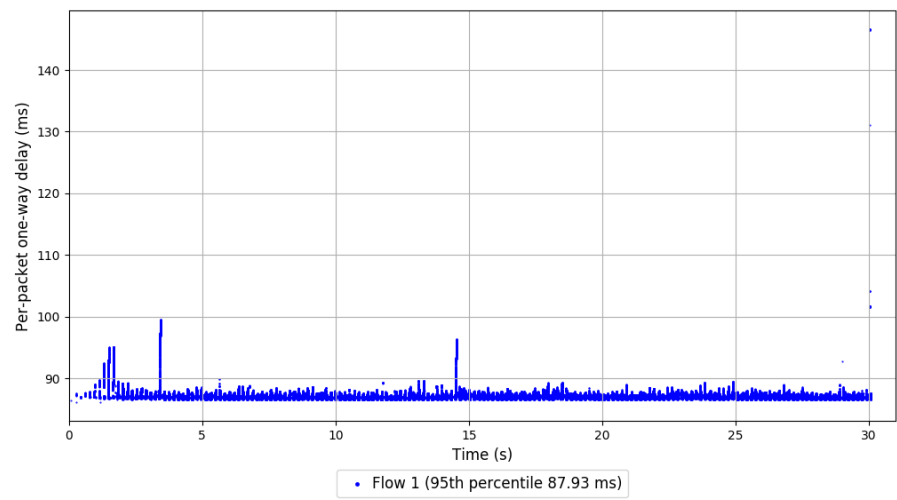
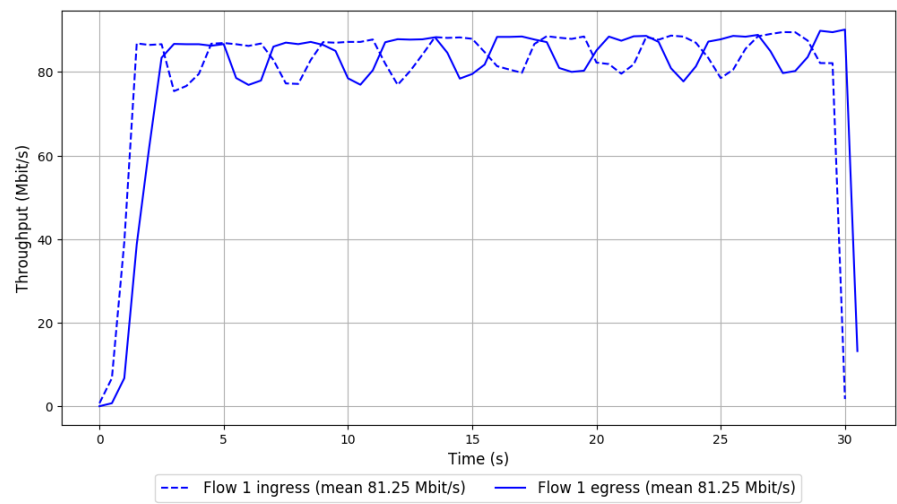


Run 4: Statistics of TCP Vegas

Start at: 2018-06-29 12:46:30
End at: 2018-06-29 12:47:00
Local clock offset: -0.338 ms
Remote clock offset: 0.222 ms

Below is generated by plot.py at 2018-06-29 16:25:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.25 Mbit/s
95th percentile per-packet one-way delay: 87.934 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 81.25 Mbit/s
95th percentile per-packet one-way delay: 87.934 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-06-29 13:08:19

End at: 2018-06-29 13:08:49

Local clock offset: -0.097 ms

Remote clock offset: 0.309 ms

Below is generated by plot.py at 2018-06-29 16:25:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 119.76 Mbit/s

95th percentile per-packet one-way delay: 100.069 ms

Loss rate: 0.00%

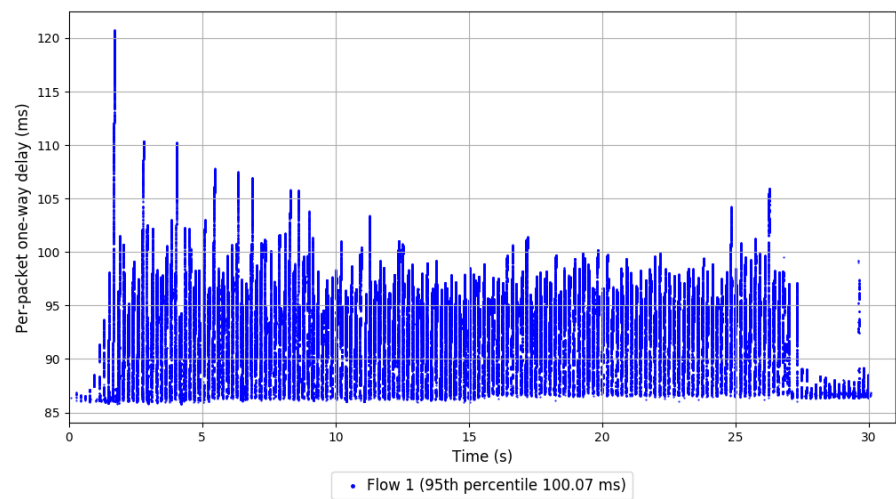
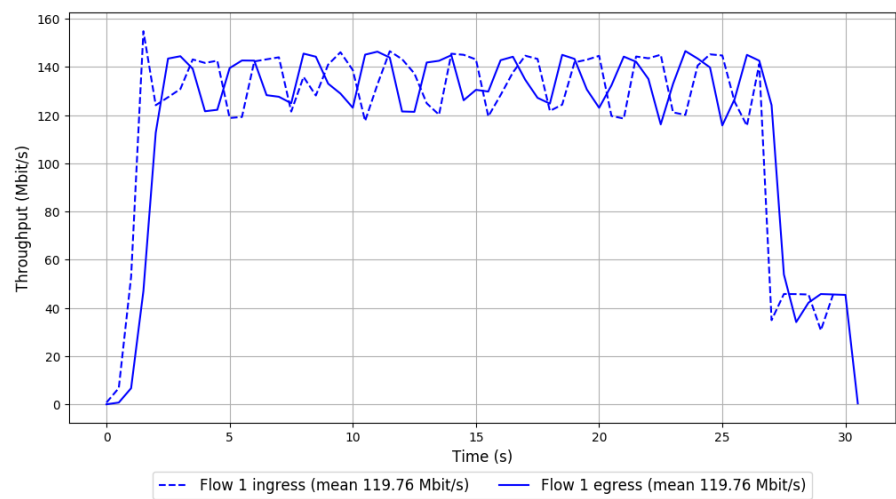
-- Flow 1:

Average throughput: 119.76 Mbit/s

95th percentile per-packet one-way delay: 100.069 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

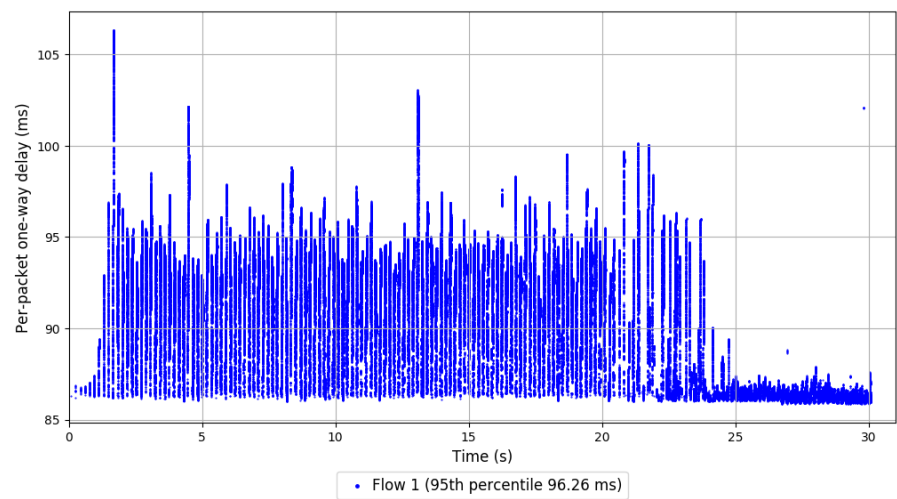
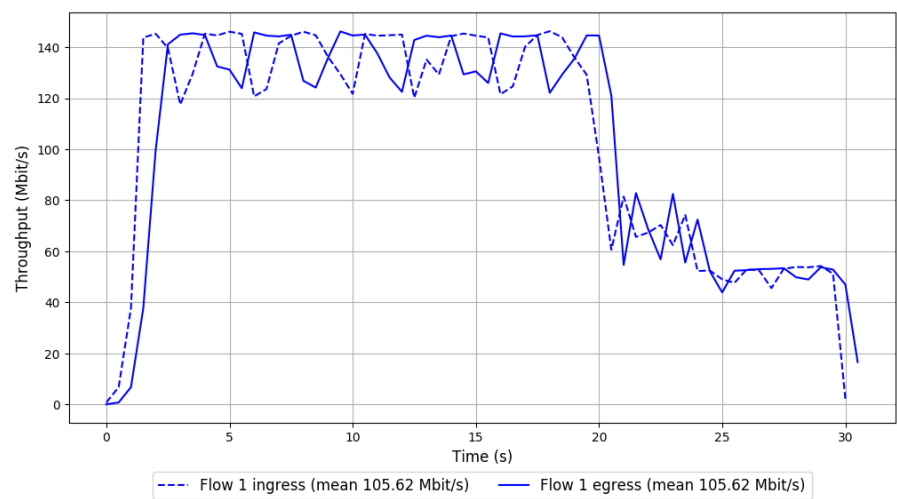


Run 6: Statistics of TCP Vegas

Start at: 2018-06-29 13:30:07
End at: 2018-06-29 13:30:37
Local clock offset: -0.467 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-06-29 16:25:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 105.62 Mbit/s
95th percentile per-packet one-way delay: 96.256 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 105.62 Mbit/s
95th percentile per-packet one-way delay: 96.256 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

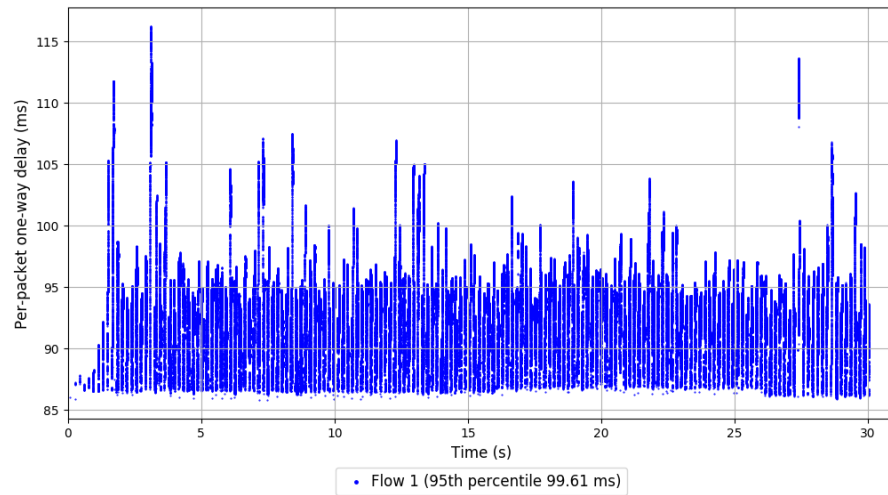
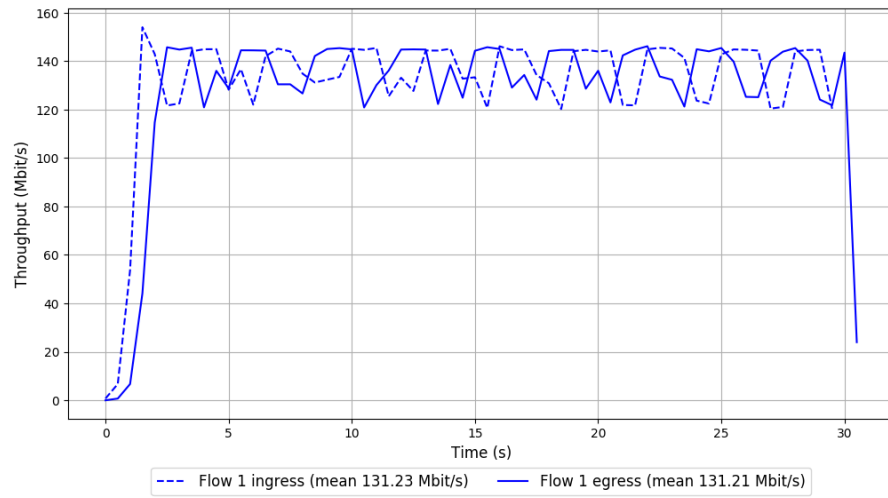


Run 7: Statistics of TCP Vegas

Start at: 2018-06-29 13:51:58
End at: 2018-06-29 13:52:28
Local clock offset: -0.539 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-06-29 16:25:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.21 Mbit/s
95th percentile per-packet one-way delay: 99.611 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 131.21 Mbit/s
95th percentile per-packet one-way delay: 99.611 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

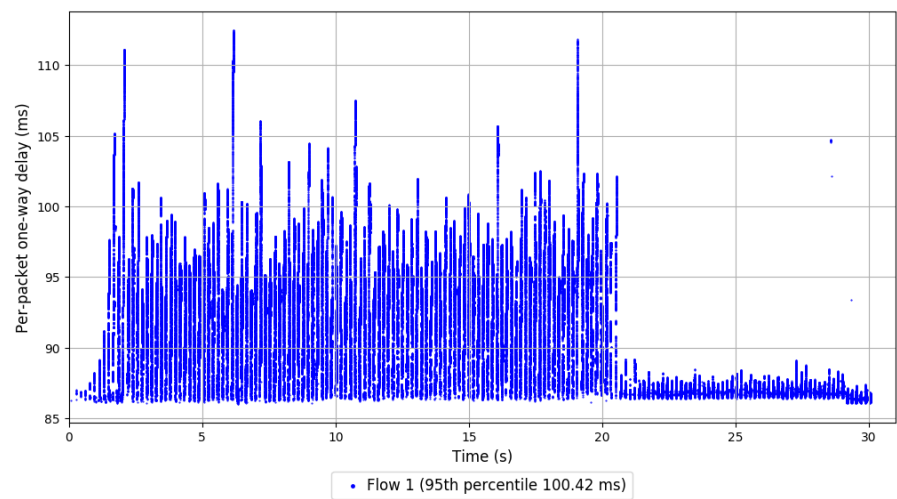
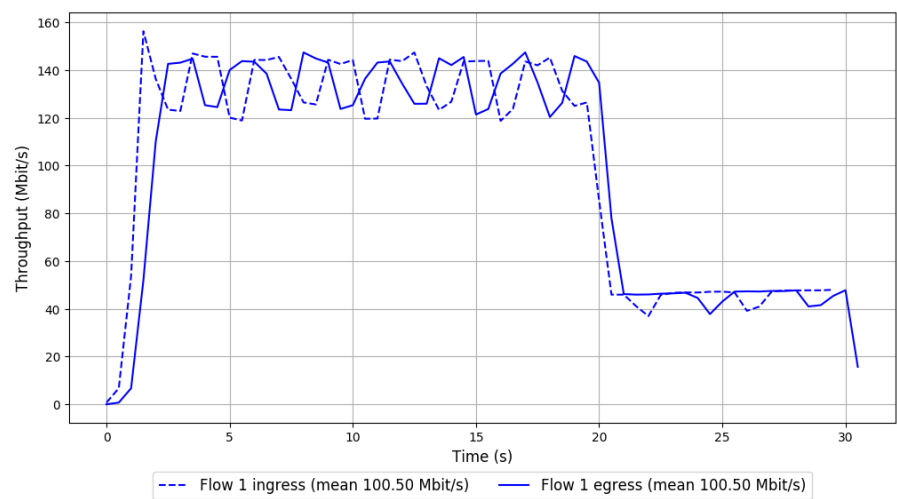


Run 8: Statistics of TCP Vegas

Start at: 2018-06-29 14:13:55
End at: 2018-06-29 14:14:25
Local clock offset: -0.947 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-06-29 16:25:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 100.50 Mbit/s
95th percentile per-packet one-way delay: 100.423 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 100.50 Mbit/s
95th percentile per-packet one-way delay: 100.423 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-06-29 14:35:42

End at: 2018-06-29 14:36:12

Local clock offset: -0.06 ms

Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-06-29 16:25:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.71 Mbit/s

95th percentile per-packet one-way delay: 98.812 ms

Loss rate: 0.04%

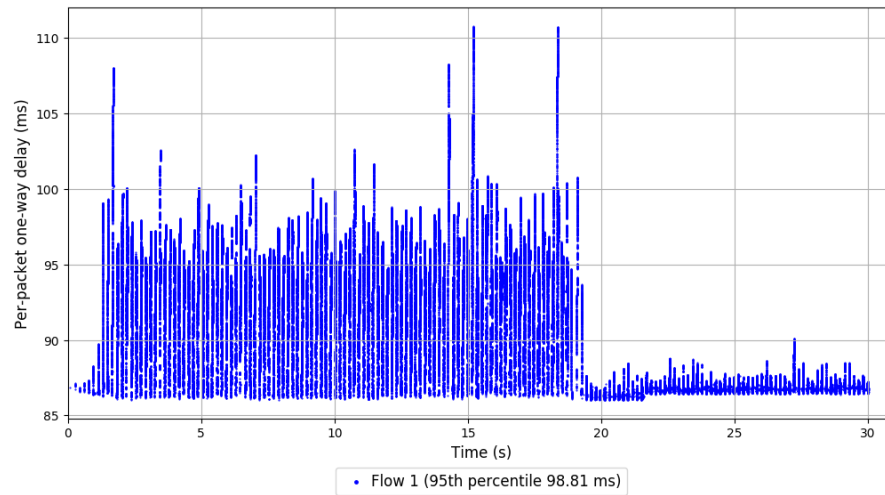
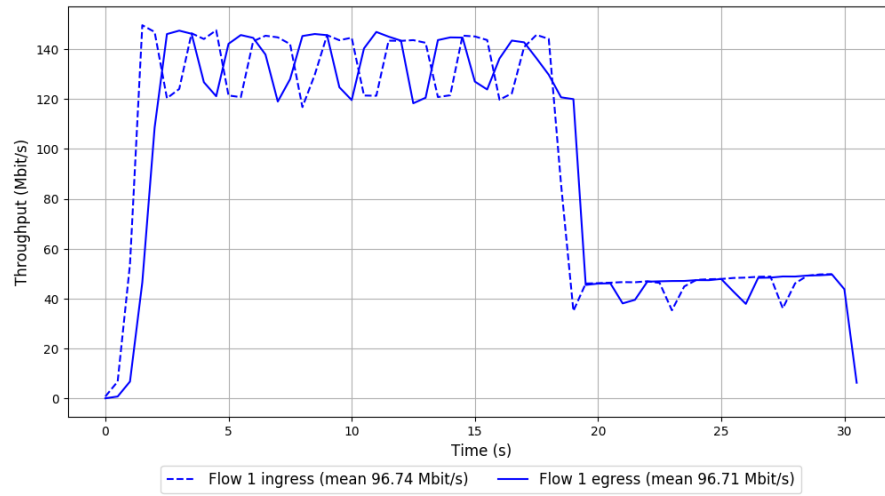
-- Flow 1:

Average throughput: 96.71 Mbit/s

95th percentile per-packet one-way delay: 98.812 ms

Loss rate: 0.04%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-06-29 14:57:33

End at: 2018-06-29 14:58:03

Local clock offset: 0.128 ms

Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-06-29 16:26:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 108.63 Mbit/s

95th percentile per-packet one-way delay: 88.016 ms

Loss rate: 0.00%

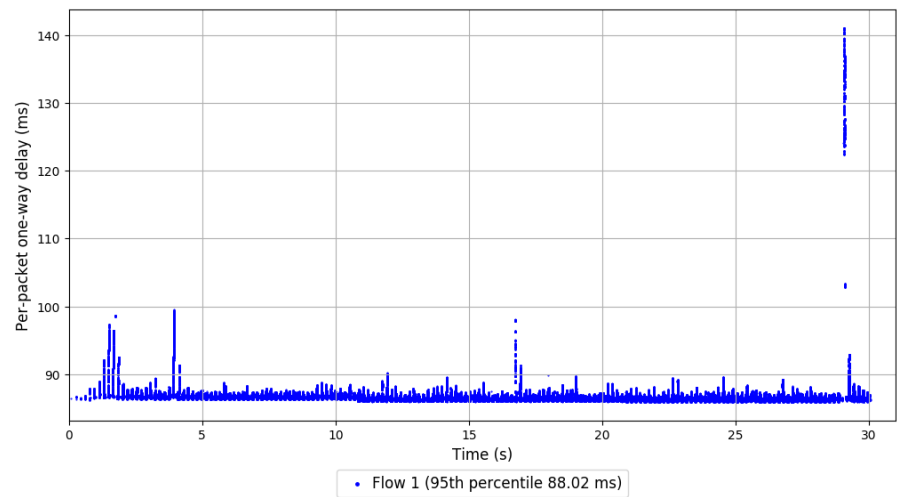
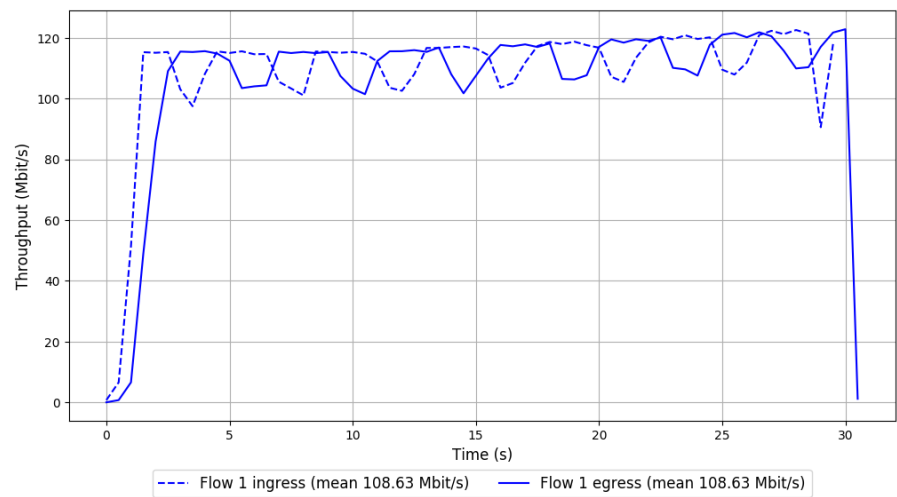
-- Flow 1:

Average throughput: 108.63 Mbit/s

95th percentile per-packet one-way delay: 88.016 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

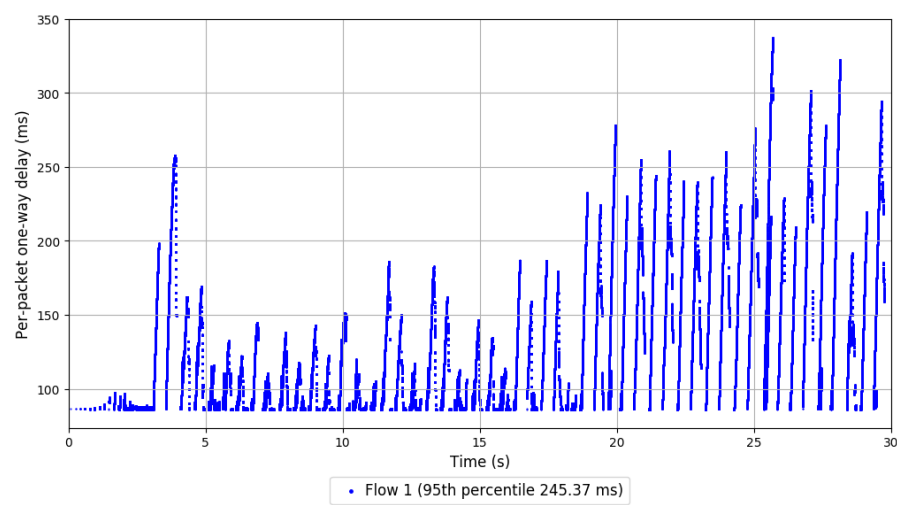
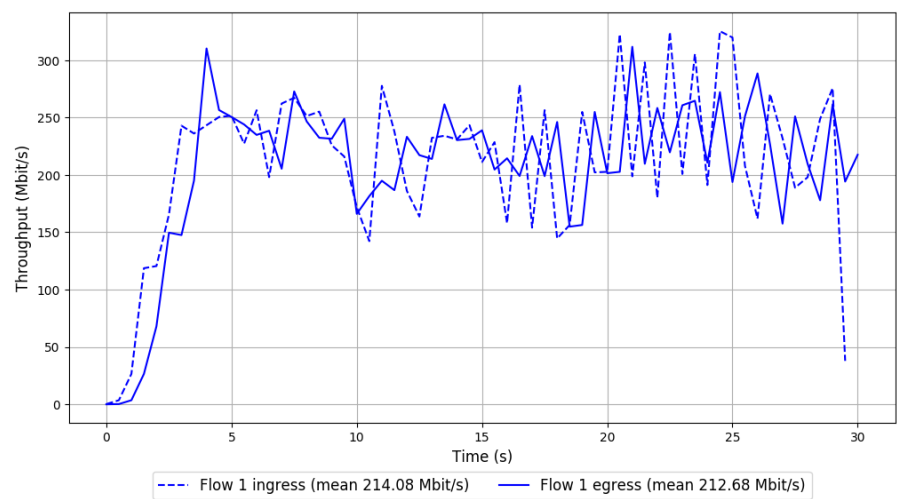


Run 1: Statistics of Verus

Start at: 2018-06-29 11:46:44
End at: 2018-06-29 11:47:14
Local clock offset: -0.488 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-06-29 16:28:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 212.68 Mbit/s
95th percentile per-packet one-way delay: 245.367 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 212.68 Mbit/s
95th percentile per-packet one-way delay: 245.367 ms
Loss rate: 0.40%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-06-29 12:08:38

End at: 2018-06-29 12:09:08

Local clock offset: -0.685 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-06-29 16:28:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 159.63 Mbit/s

95th percentile per-packet one-way delay: 167.972 ms

Loss rate: 0.25%

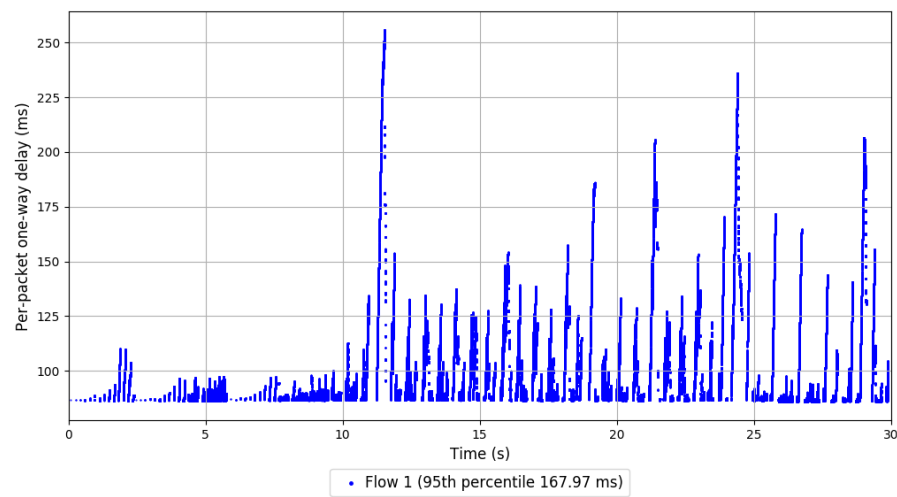
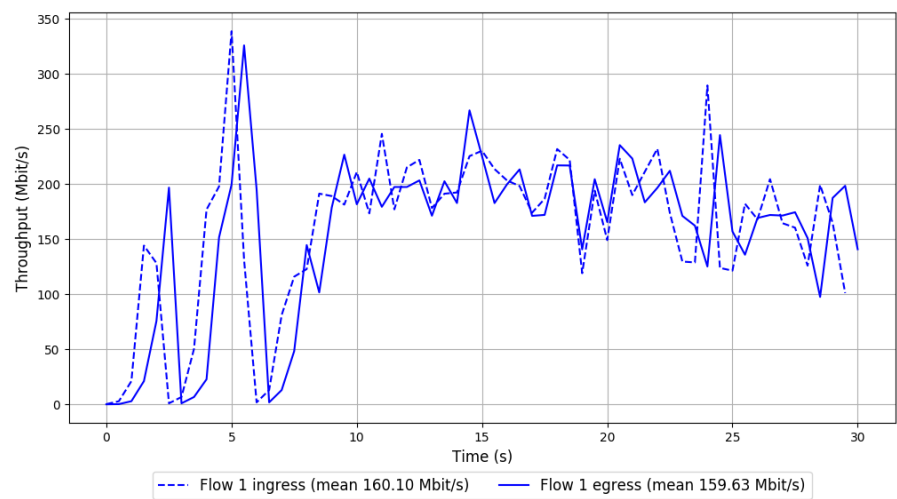
-- Flow 1:

Average throughput: 159.63 Mbit/s

95th percentile per-packet one-way delay: 167.972 ms

Loss rate: 0.25%

Run 2: Report of Verus — Data Link

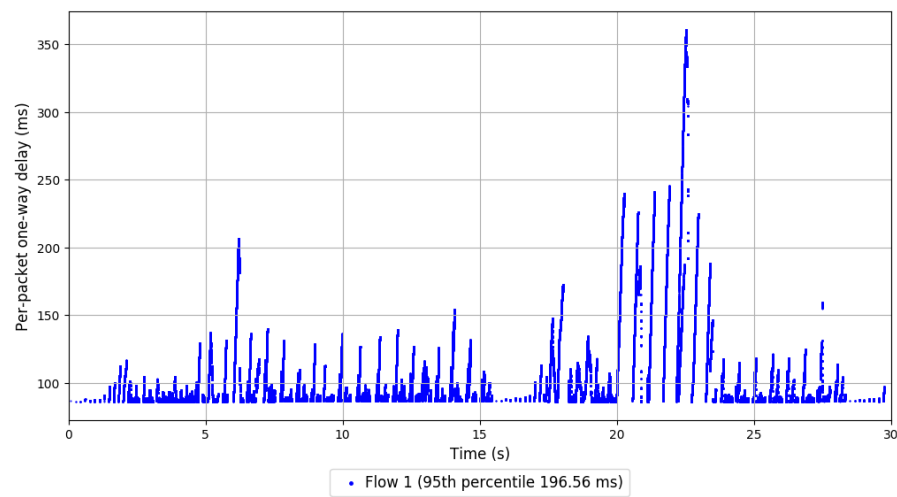
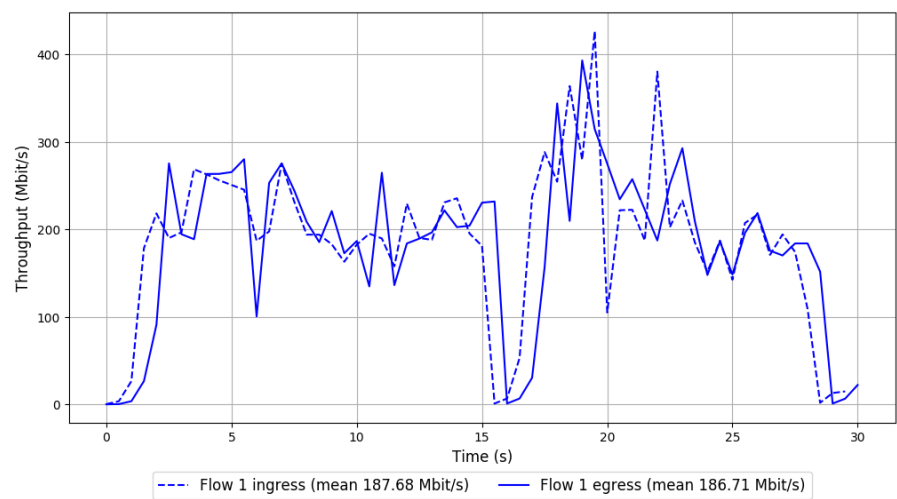


Run 3: Statistics of Verus

Start at: 2018-06-29 12:30:16
End at: 2018-06-29 12:30:46
Local clock offset: -0.548 ms
Remote clock offset: 0.197 ms

Below is generated by plot.py at 2018-06-29 16:28:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 186.71 Mbit/s
95th percentile per-packet one-way delay: 196.565 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 186.71 Mbit/s
95th percentile per-packet one-way delay: 196.565 ms
Loss rate: 0.48%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-06-29 12:52:15

End at: 2018-06-29 12:52:45

Local clock offset: -0.189 ms

Remote clock offset: 0.253 ms

Below is generated by plot.py at 2018-06-29 16:28:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 155.45 Mbit/s

95th percentile per-packet one-way delay: 112.561 ms

Loss rate: 0.16%

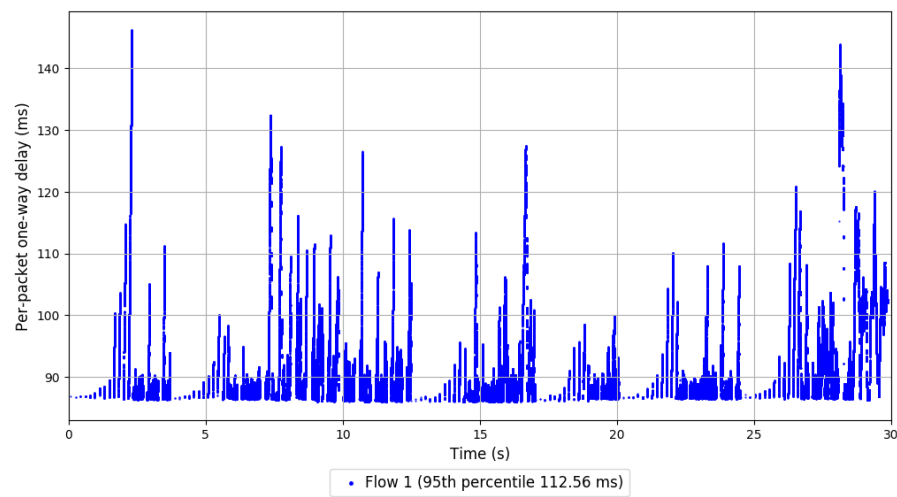
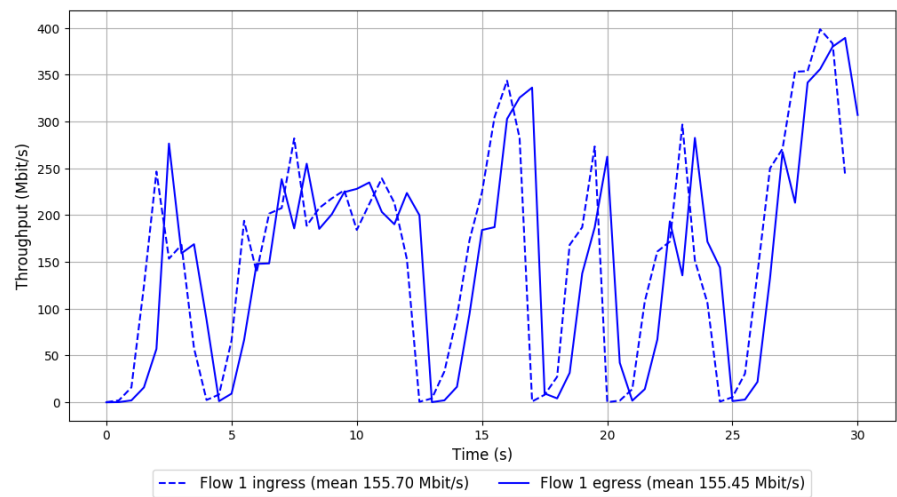
-- Flow 1:

Average throughput: 155.45 Mbit/s

95th percentile per-packet one-way delay: 112.561 ms

Loss rate: 0.16%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-06-29 13:14:05

End at: 2018-06-29 13:14:35

Local clock offset: -0.222 ms

Remote clock offset: 0.203 ms

Below is generated by plot.py at 2018-06-29 16:28:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.32 Mbit/s

95th percentile per-packet one-way delay: 135.068 ms

Loss rate: 0.00%

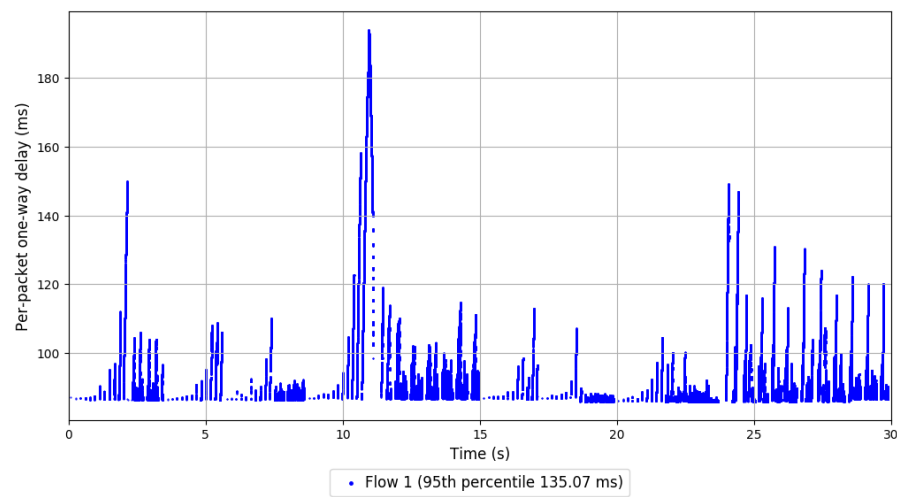
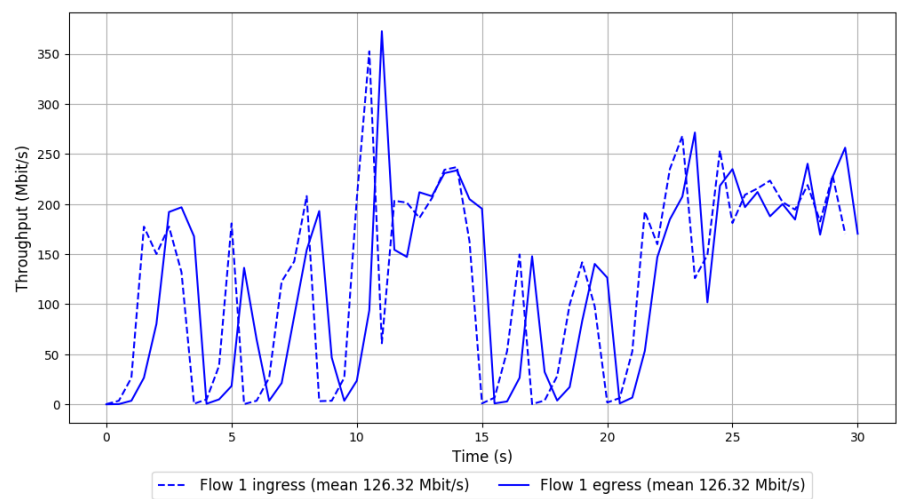
-- Flow 1:

Average throughput: 126.32 Mbit/s

95th percentile per-packet one-way delay: 135.068 ms

Loss rate: 0.00%

Run 5: Report of Verus — Data Link

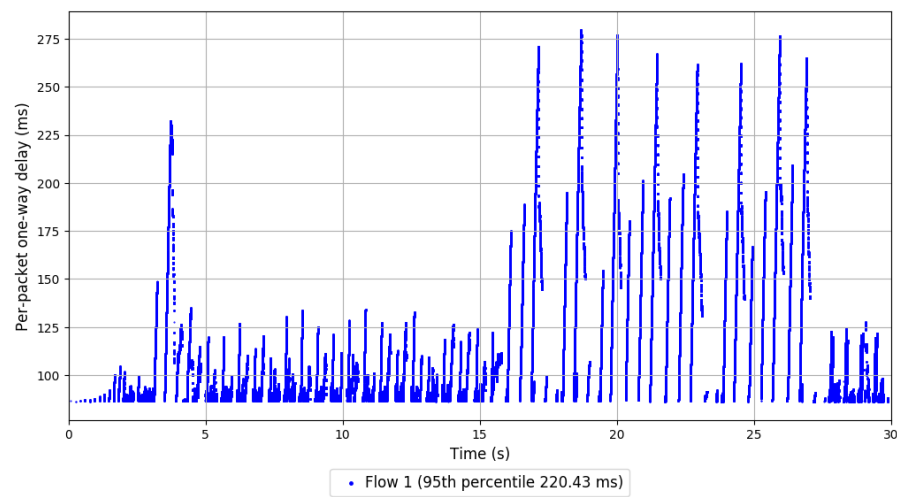
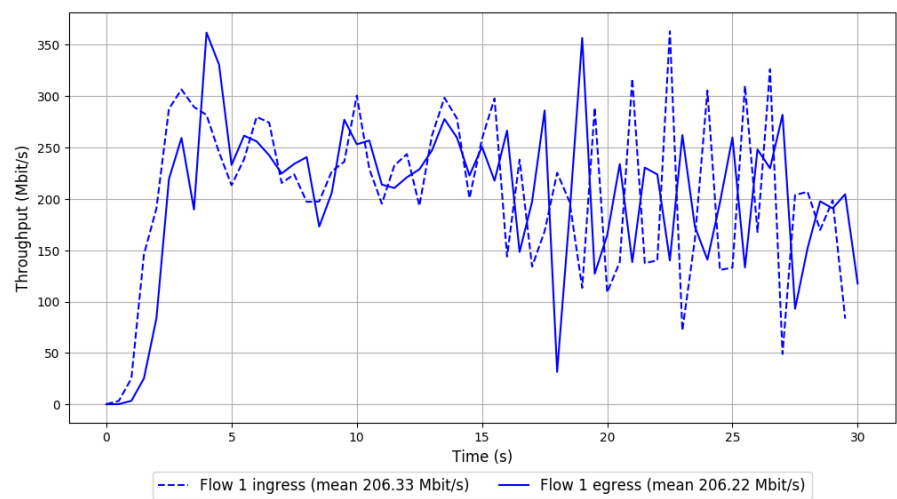


Run 6: Statistics of Verus

Start at: 2018-06-29 13:35:53
End at: 2018-06-29 13:36:23
Local clock offset: -0.554 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-06-29 16:29:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 206.22 Mbit/s
95th percentile per-packet one-way delay: 220.432 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 206.22 Mbit/s
95th percentile per-packet one-way delay: 220.432 ms
Loss rate: 0.05%

Run 6: Report of Verus — Data Link

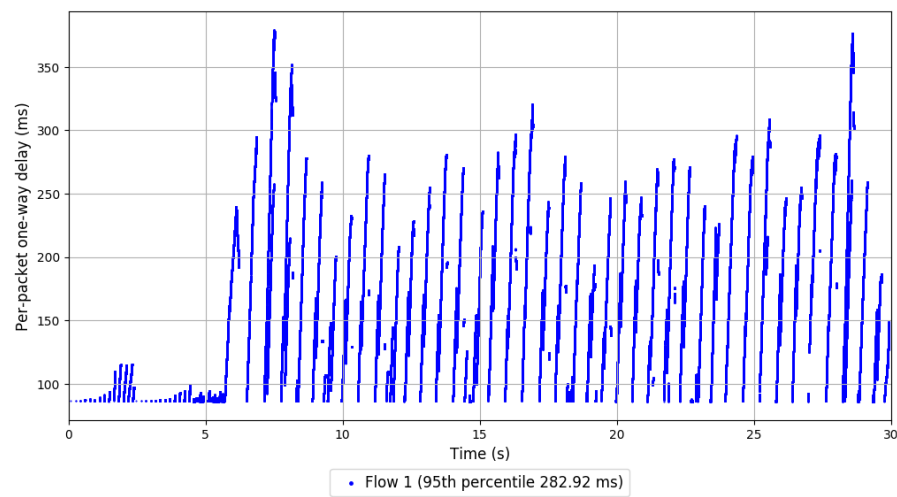
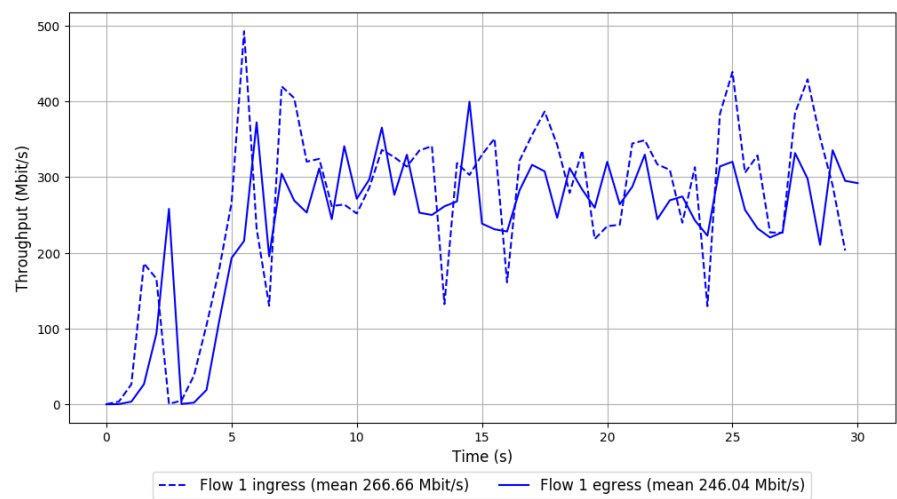


Run 7: Statistics of Verus

Start at: 2018-06-29 13:57:44
End at: 2018-06-29 13:58:14
Local clock offset: -0.465 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-06-29 16:30:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 246.04 Mbit/s
95th percentile per-packet one-way delay: 282.922 ms
Loss rate: 7.62%
-- Flow 1:
Average throughput: 246.04 Mbit/s
95th percentile per-packet one-way delay: 282.922 ms
Loss rate: 7.62%

Run 7: Report of Verus — Data Link

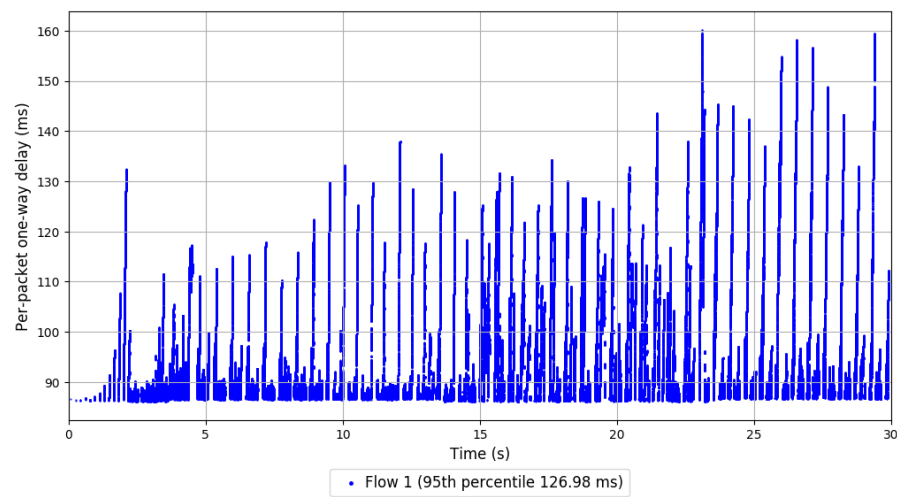
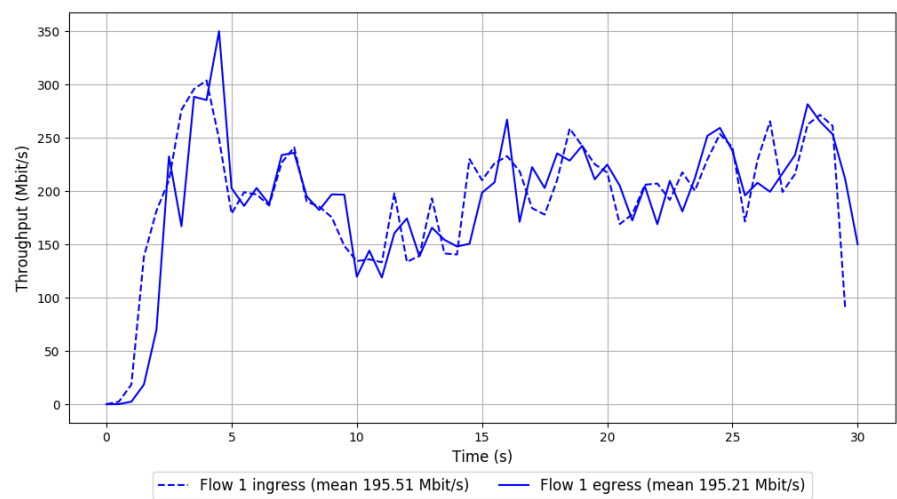


Run 8: Statistics of Verus

Start at: 2018-06-29 14:19:40
End at: 2018-06-29 14:20:10
Local clock offset: -0.928 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-06-29 16:30:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 195.21 Mbit/s
95th percentile per-packet one-way delay: 126.979 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 195.21 Mbit/s
95th percentile per-packet one-way delay: 126.979 ms
Loss rate: 0.07%

Run 8: Report of Verus — Data Link

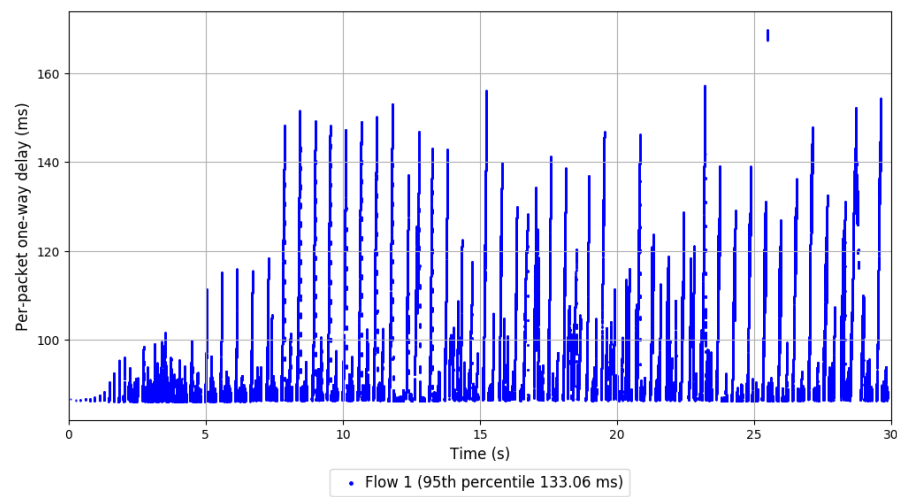
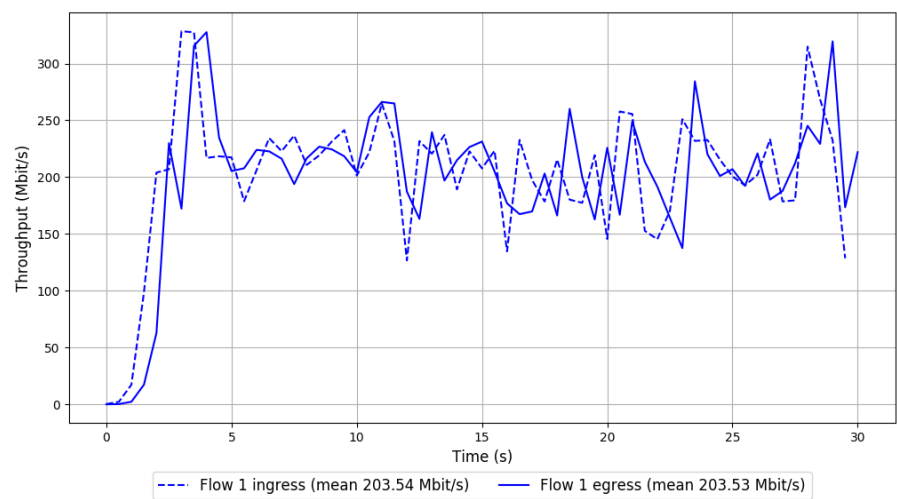


Run 9: Statistics of Verus

Start at: 2018-06-29 14:41:27
End at: 2018-06-29 14:41:57
Local clock offset: 0.055 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-06-29 16:30:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 203.53 Mbit/s
95th percentile per-packet one-way delay: 133.057 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 203.53 Mbit/s
95th percentile per-packet one-way delay: 133.057 ms
Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-06-29 15:03:19

End at: 2018-06-29 15:03:49

Local clock offset: 0.2 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2018-06-29 16:31:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.31 Mbit/s

95th percentile per-packet one-way delay: 209.976 ms

Loss rate: 0.24%

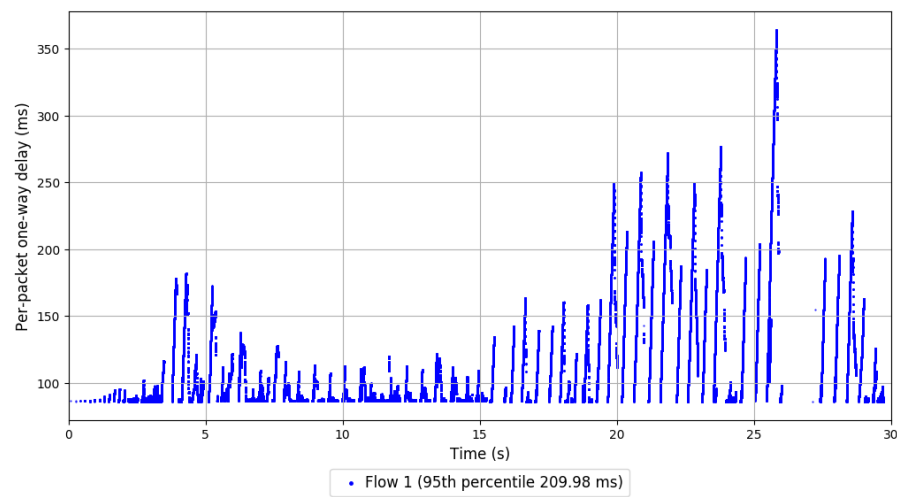
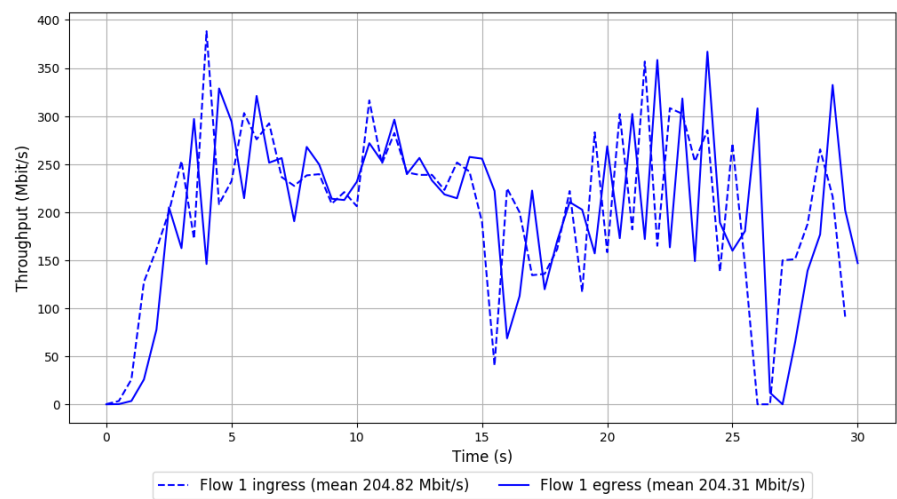
-- Flow 1:

Average throughput: 204.31 Mbit/s

95th percentile per-packet one-way delay: 209.976 ms

Loss rate: 0.24%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-06-29 11:31:50

End at: 2018-06-29 11:32:20

Local clock offset: 0.021 ms

Remote clock offset: 0.611 ms

Below is generated by plot.py at 2018-06-29 16:31:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.65 Mbit/s

95th percentile per-packet one-way delay: 87.720 ms

Loss rate: 0.00%

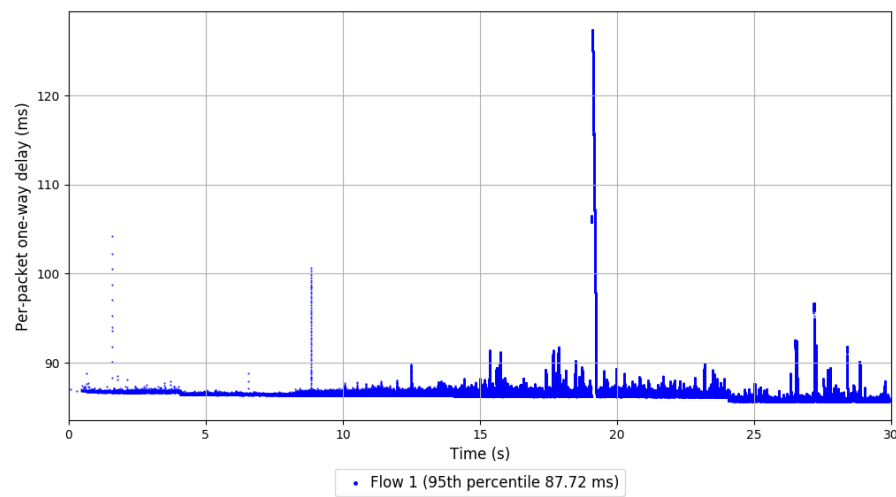
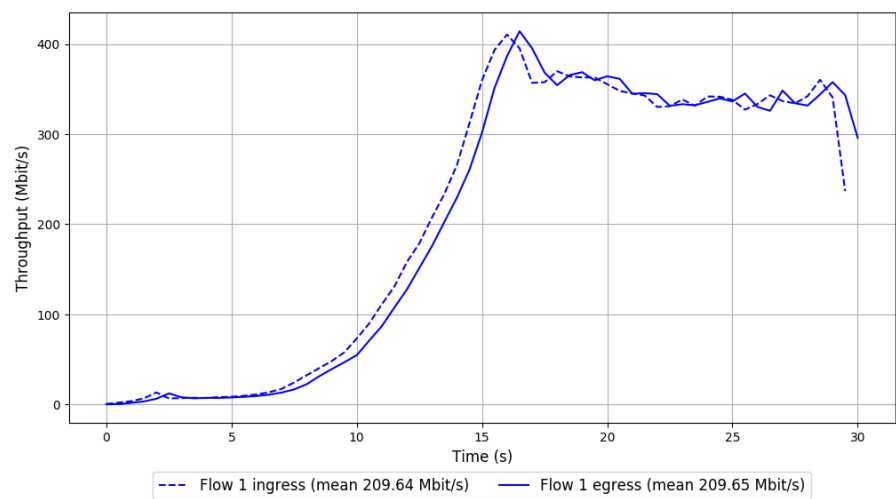
-- Flow 1:

Average throughput: 209.65 Mbit/s

95th percentile per-packet one-way delay: 87.720 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-06-29 11:53:21

End at: 2018-06-29 11:53:51

Local clock offset: -0.778 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-06-29 16:34:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 332.99 Mbit/s

95th percentile per-packet one-way delay: 108.103 ms

Loss rate: 0.00%

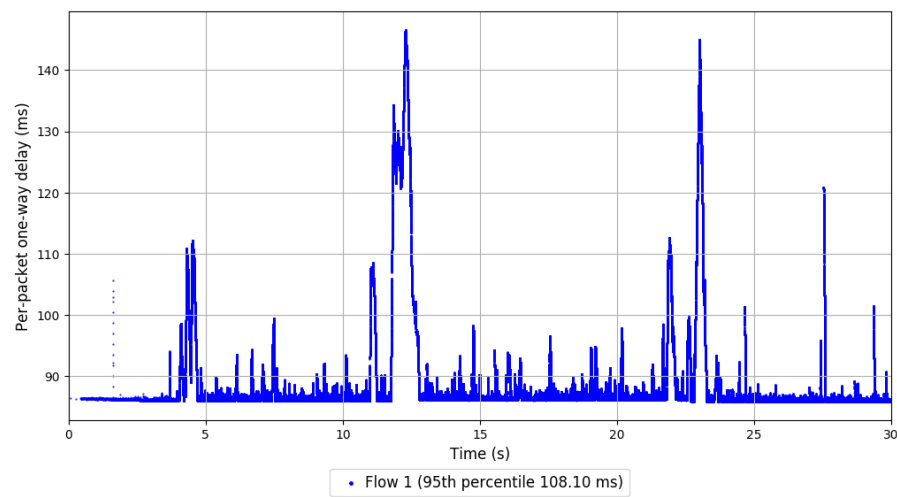
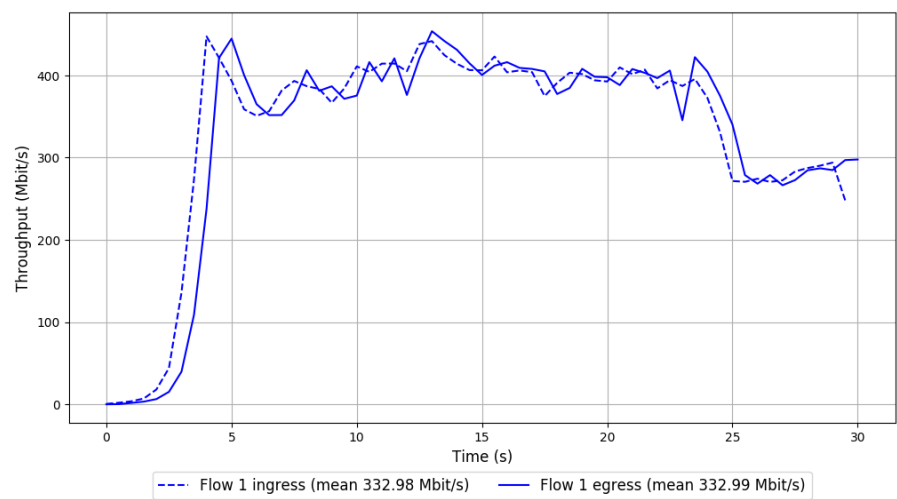
-- Flow 1:

Average throughput: 332.99 Mbit/s

95th percentile per-packet one-way delay: 108.103 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-06-29 12:15:15

End at: 2018-06-29 12:15:45

Local clock offset: -0.278 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-06-29 16:34:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 259.50 Mbit/s

95th percentile per-packet one-way delay: 89.200 ms

Loss rate: 0.00%

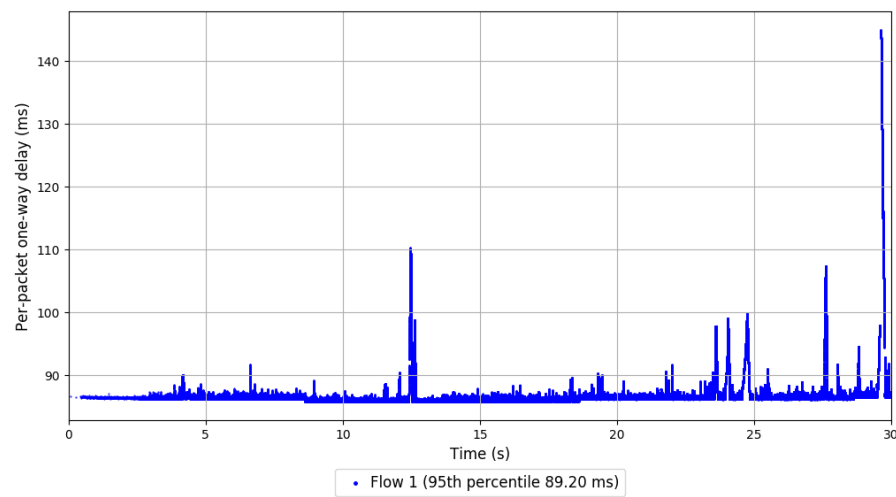
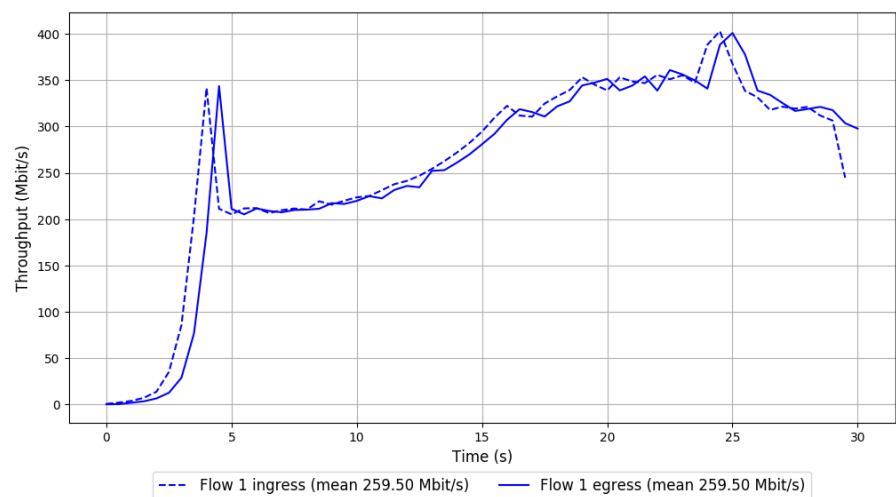
-- Flow 1:

Average throughput: 259.50 Mbit/s

95th percentile per-packet one-way delay: 89.200 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-06-29 12:36:56

End at: 2018-06-29 12:37:26

Local clock offset: -0.768 ms

Remote clock offset: 0.224 ms

Below is generated by plot.py at 2018-06-29 16:34:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 291.37 Mbit/s

95th percentile per-packet one-way delay: 193.787 ms

Loss rate: 0.65%

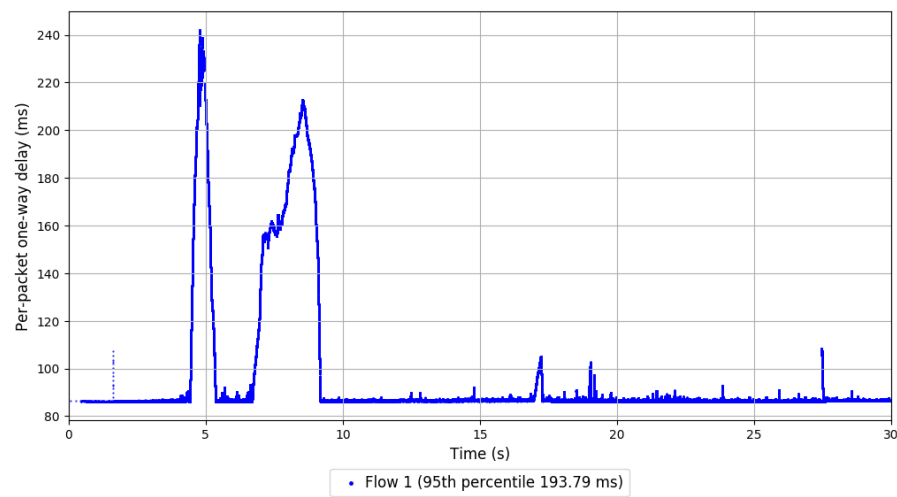
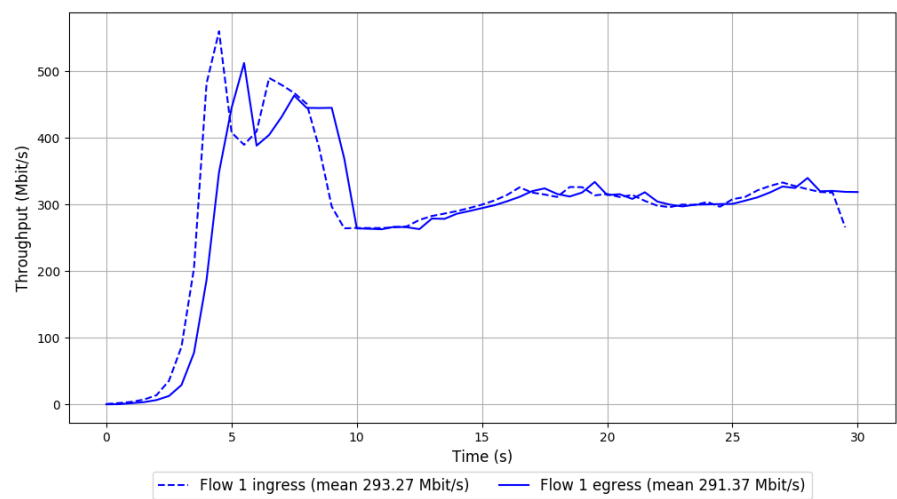
-- Flow 1:

Average throughput: 291.37 Mbit/s

95th percentile per-packet one-way delay: 193.787 ms

Loss rate: 0.65%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-06-29 12:58:56

End at: 2018-06-29 12:59:26

Local clock offset: -0.189 ms

Remote clock offset: 0.31 ms

Below is generated by plot.py at 2018-06-29 16:34:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 242.52 Mbit/s

95th percentile per-packet one-way delay: 221.540 ms

Loss rate: 0.71%

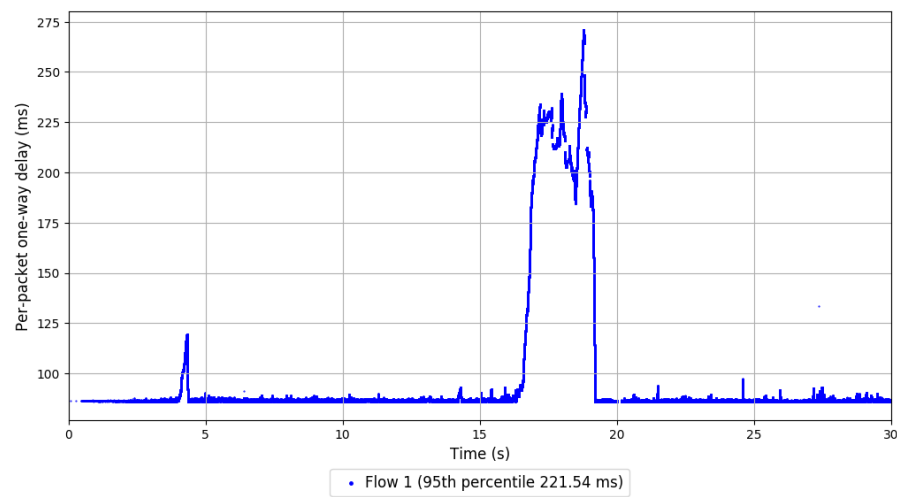
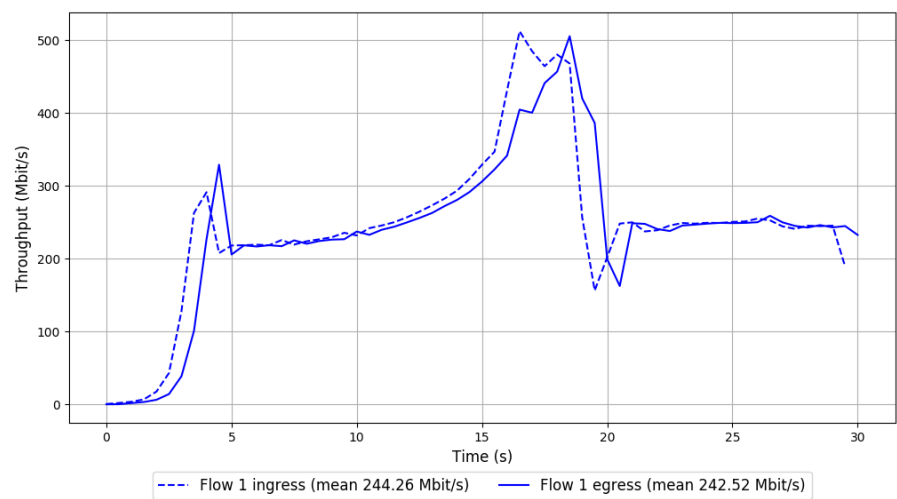
-- Flow 1:

Average throughput: 242.52 Mbit/s

95th percentile per-packet one-way delay: 221.540 ms

Loss rate: 0.71%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-06-29 13:20:41

End at: 2018-06-29 13:21:11

Local clock offset: -0.363 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2018-06-29 16:35:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 278.31 Mbit/s

95th percentile per-packet one-way delay: 91.672 ms

Loss rate: 0.00%

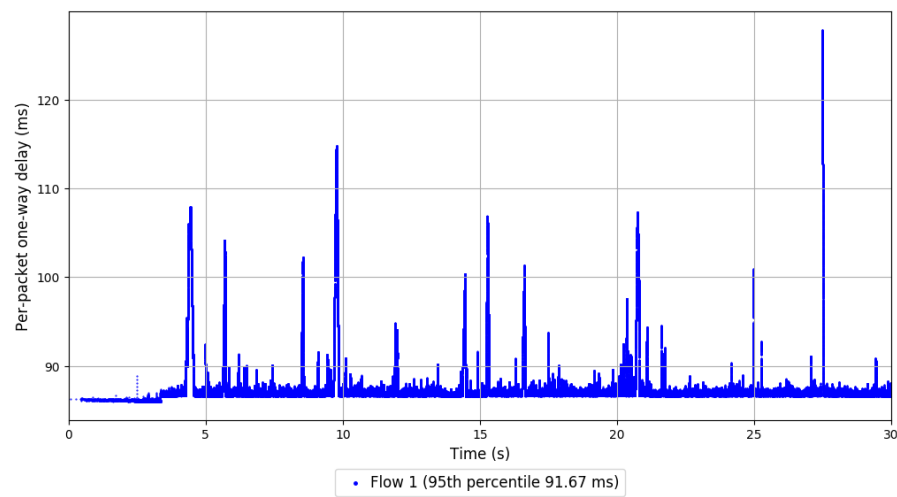
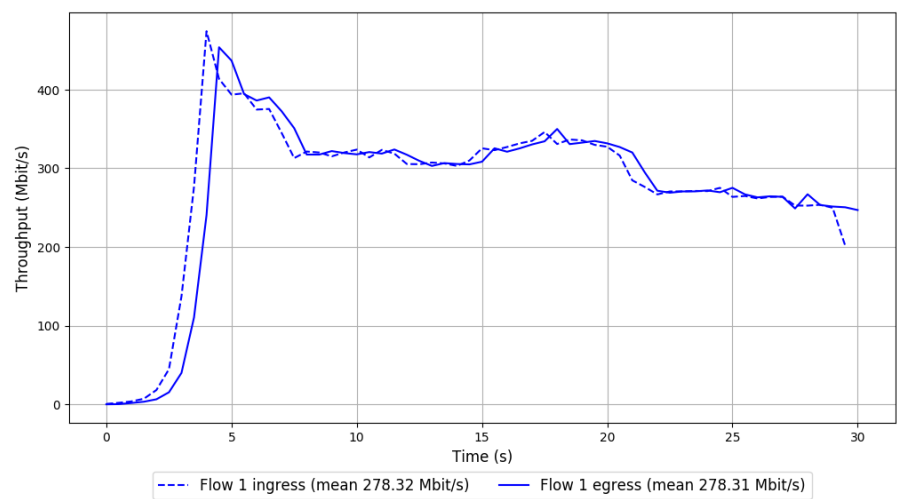
-- Flow 1:

Average throughput: 278.31 Mbit/s

95th percentile per-packet one-way delay: 91.672 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link

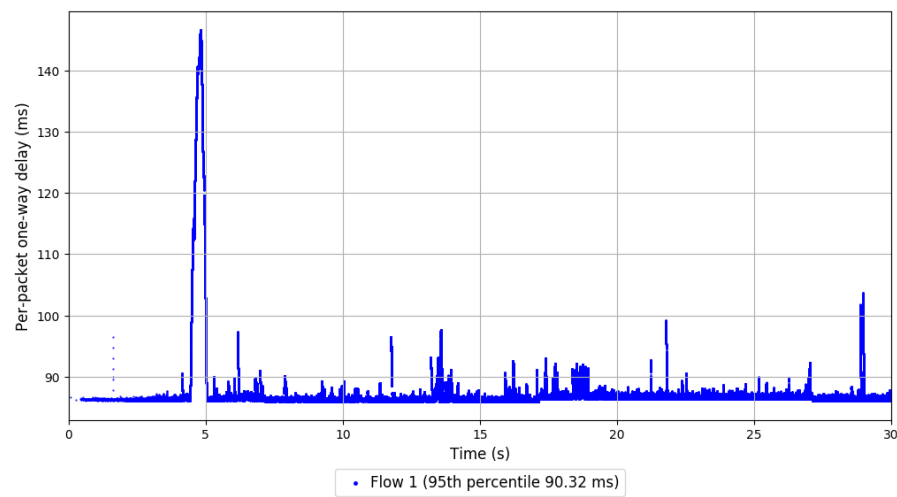
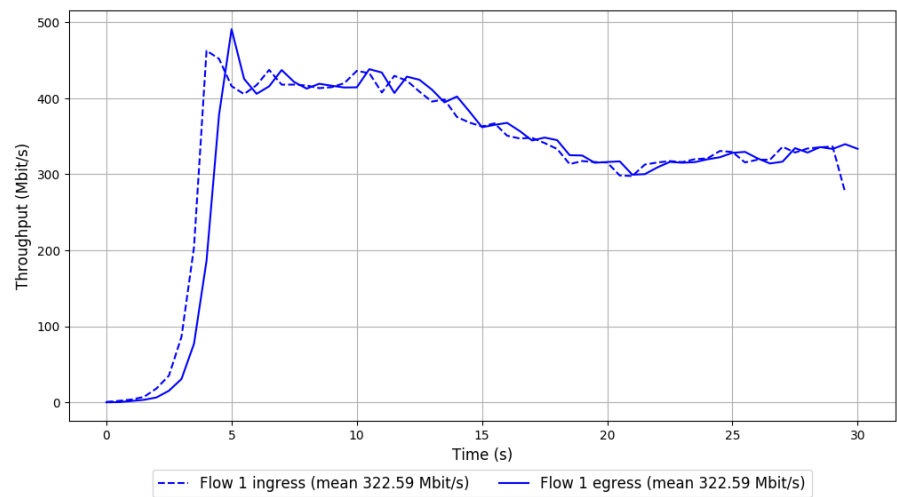


Run 7: Statistics of PCC-Vivace

Start at: 2018-06-29 13:42:27
End at: 2018-06-29 13:42:57
Local clock offset: -0.719 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2018-06-29 16:35:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 322.59 Mbit/s
95th percentile per-packet one-way delay: 90.316 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 322.59 Mbit/s
95th percentile per-packet one-way delay: 90.316 ms
Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-06-29 14:04:24

End at: 2018-06-29 14:04:54

Local clock offset: -0.987 ms

Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-06-29 16:36:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 331.99 Mbit/s

95th percentile per-packet one-way delay: 123.473 ms

Loss rate: 0.05%

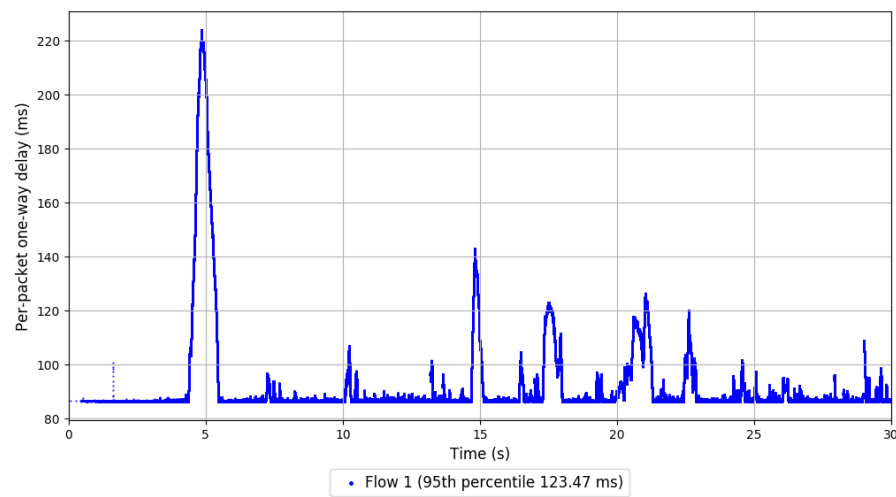
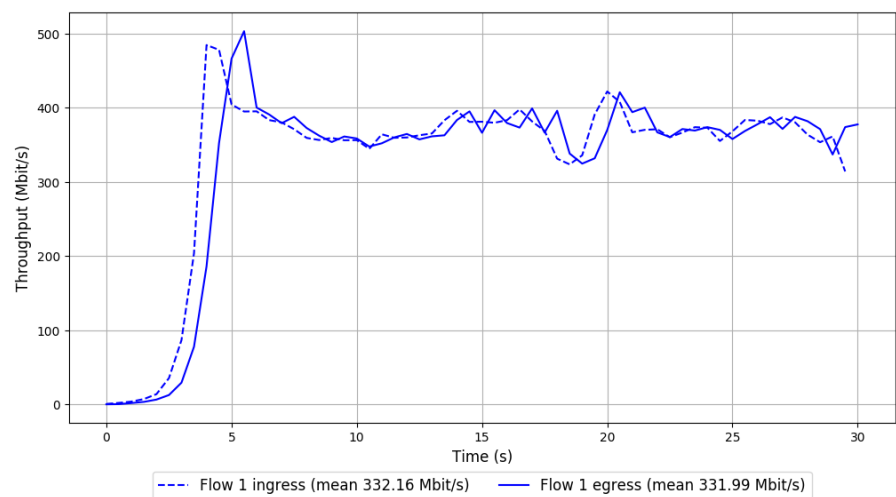
-- Flow 1:

Average throughput: 331.99 Mbit/s

95th percentile per-packet one-way delay: 123.473 ms

Loss rate: 0.05%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-06-29 14:26:19

End at: 2018-06-29 14:26:49

Local clock offset: -0.379 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-06-29 16:36:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.59 Mbit/s

95th percentile per-packet one-way delay: 90.497 ms

Loss rate: 0.00%

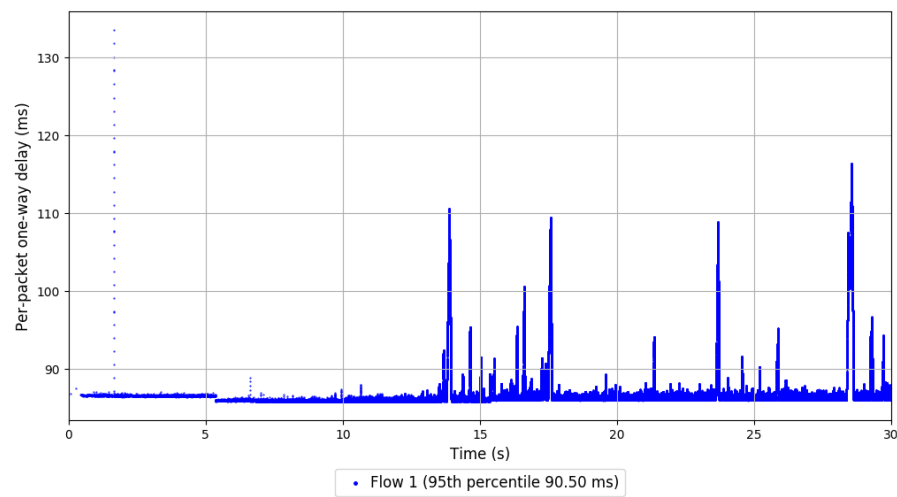
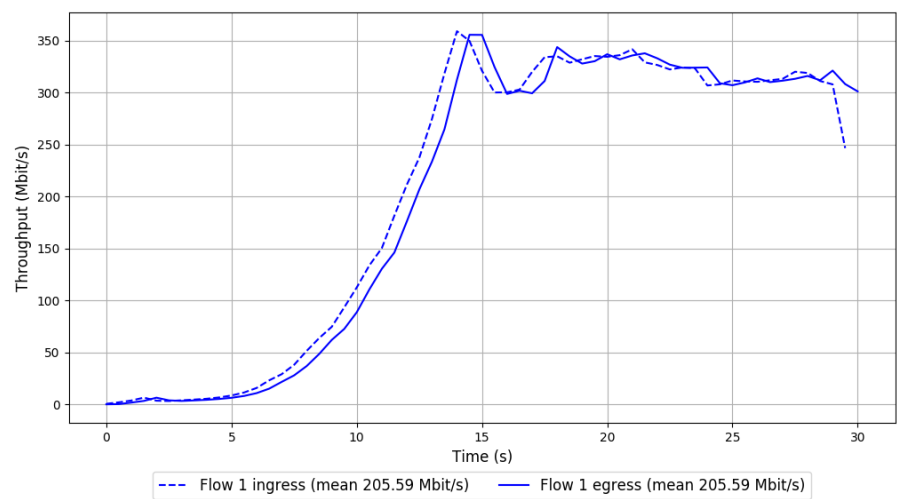
-- Flow 1:

Average throughput: 205.59 Mbit/s

95th percentile per-packet one-way delay: 90.497 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-06-29 14:48:06

End at: 2018-06-29 14:48:36

Local clock offset: 0.225 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-06-29 16:36:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.00 Mbit/s

95th percentile per-packet one-way delay: 88.165 ms

Loss rate: 0.00%

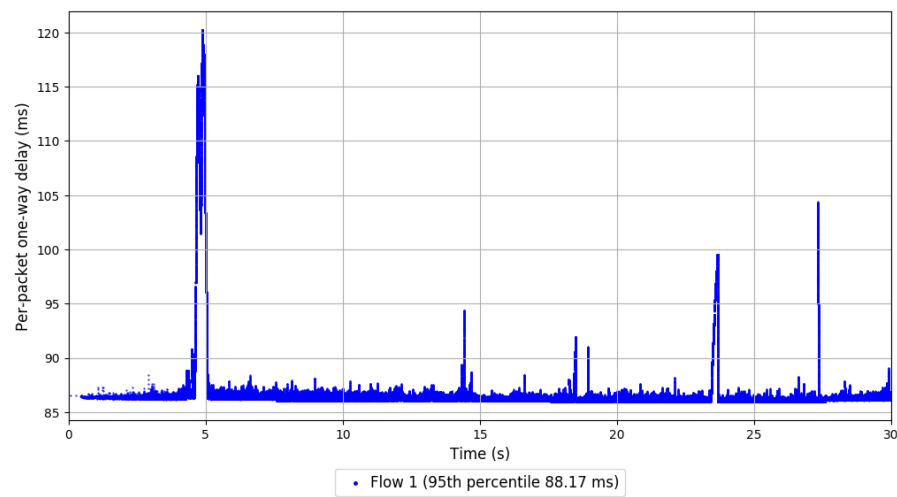
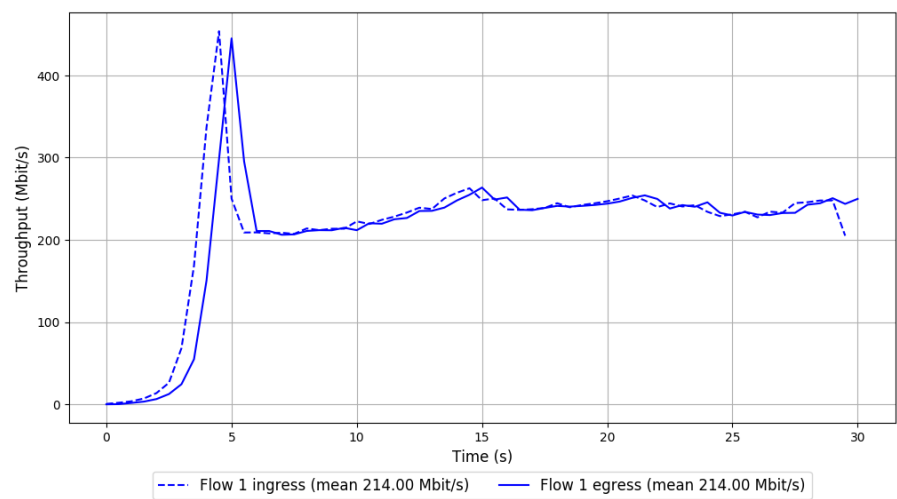
-- Flow 1:

Average throughput: 214.00 Mbit/s

95th percentile per-packet one-way delay: 88.165 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

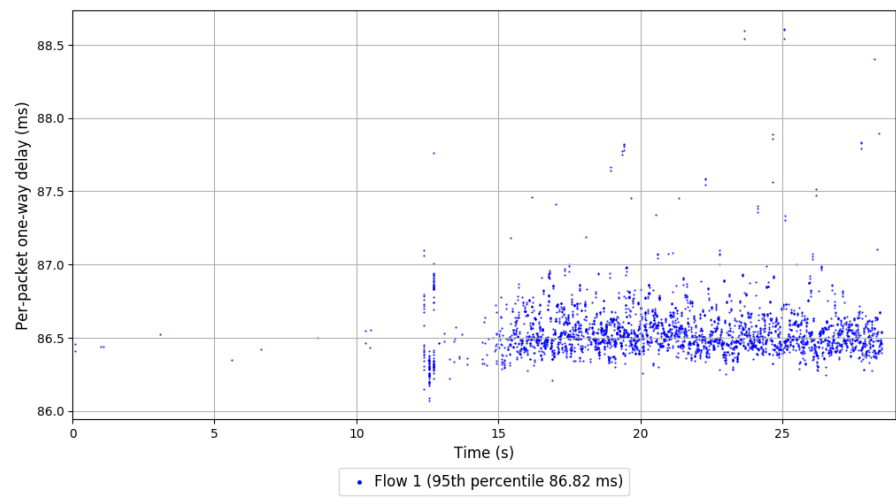
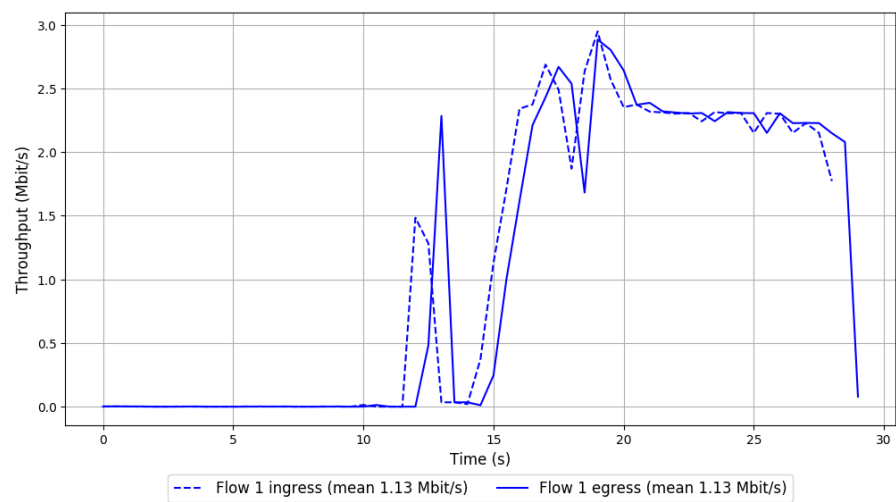


```
Run 1: Statistics of WebRTC media

Start at: 2018-06-29 11:38:32
End at: 2018-06-29 11:39:02
Local clock offset: -0.117 ms
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2018-06-29 16:36:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.13 Mbit/s
95th percentile per-packet one-way delay: 86.824 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.13 Mbit/s
95th percentile per-packet one-way delay: 86.824 ms
Loss rate: 0.00%
```


Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-06-29 12:00:24

End at: 2018-06-29 12:00:54

Local clock offset: -1.021 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-06-29 16:36:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 86.683 ms

Loss rate: 0.00%

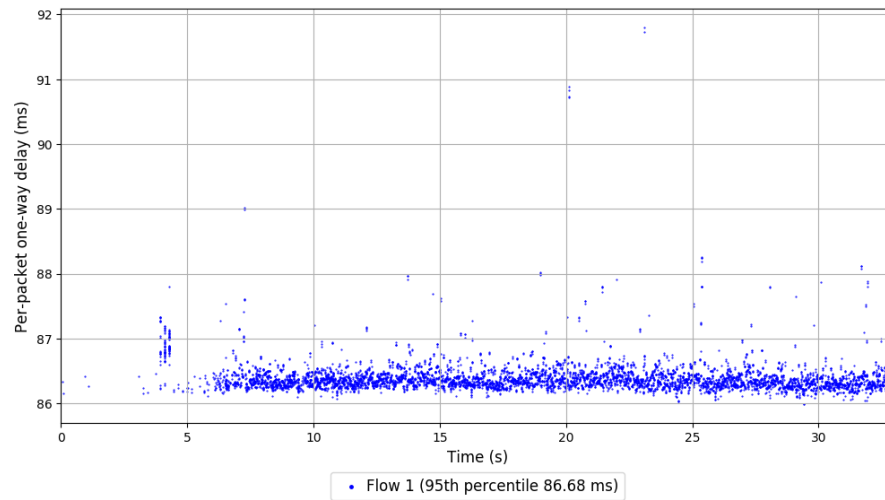
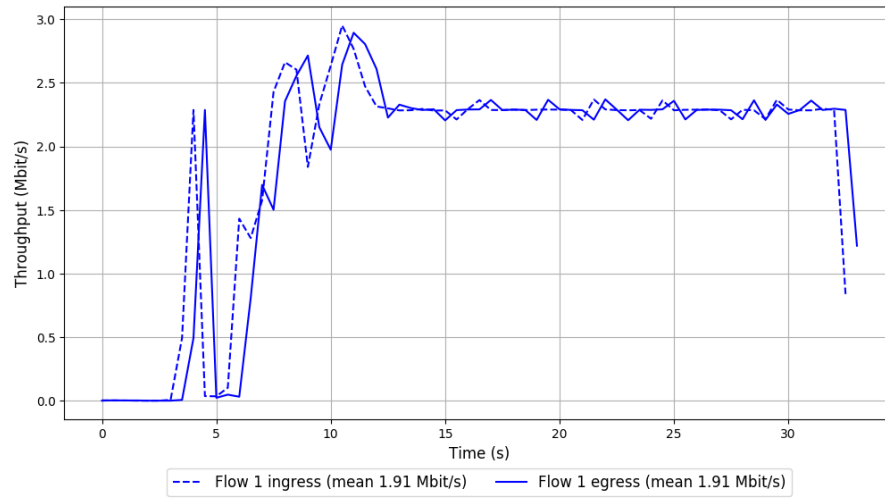
-- Flow 1:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 86.683 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-06-29 12:21:56

End at: 2018-06-29 12:22:26

Local clock offset: -0.455 ms

Remote clock offset: 0.119 ms

Below is generated by plot.py at 2018-06-29 16:36:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 86.899 ms

Loss rate: 0.00%

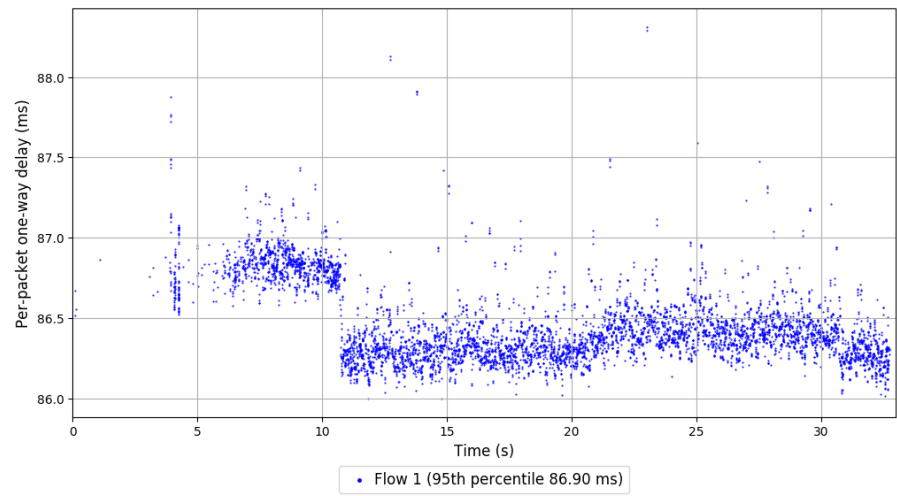
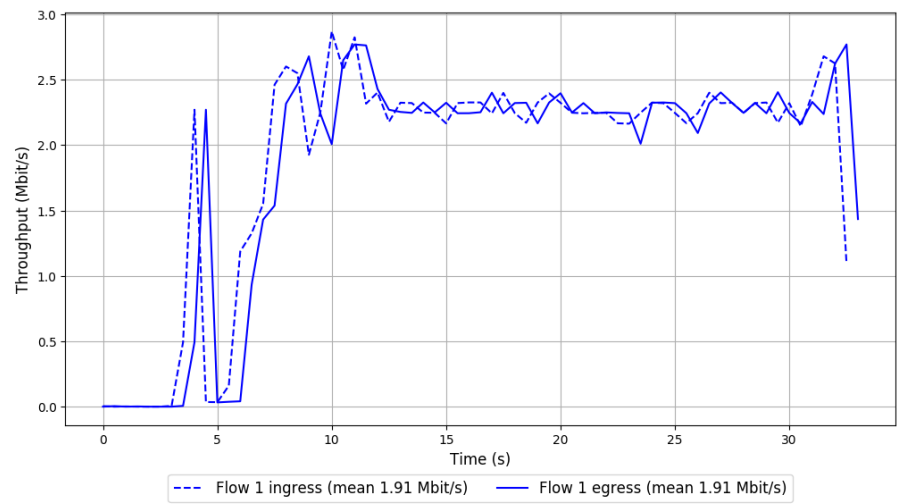
-- Flow 1:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 86.899 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-06-29 12:43:57

End at: 2018-06-29 12:44:27

Local clock offset: -0.434 ms

Remote clock offset: 0.279 ms

Below is generated by plot.py at 2018-06-29 16:36:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 86.950 ms

Loss rate: 0.00%

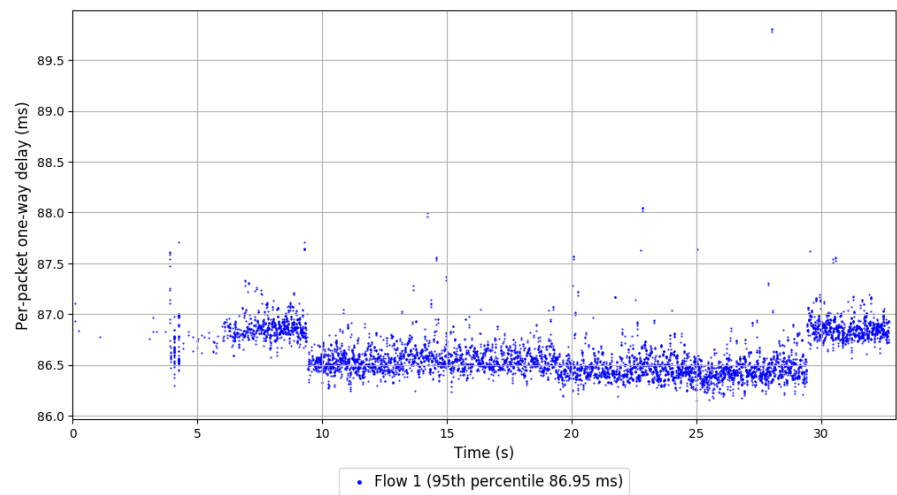
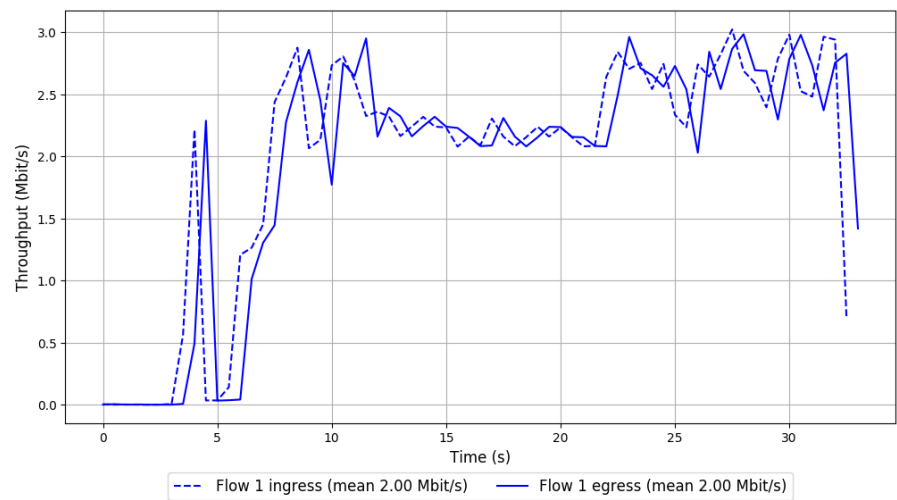
-- Flow 1:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 86.950 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-06-29 13:05:55

End at: 2018-06-29 13:06:25

Local clock offset: -0.428 ms

Remote clock offset: 0.23 ms

Below is generated by plot.py at 2018-06-29 16:36:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 86.846 ms

Loss rate: 0.00%

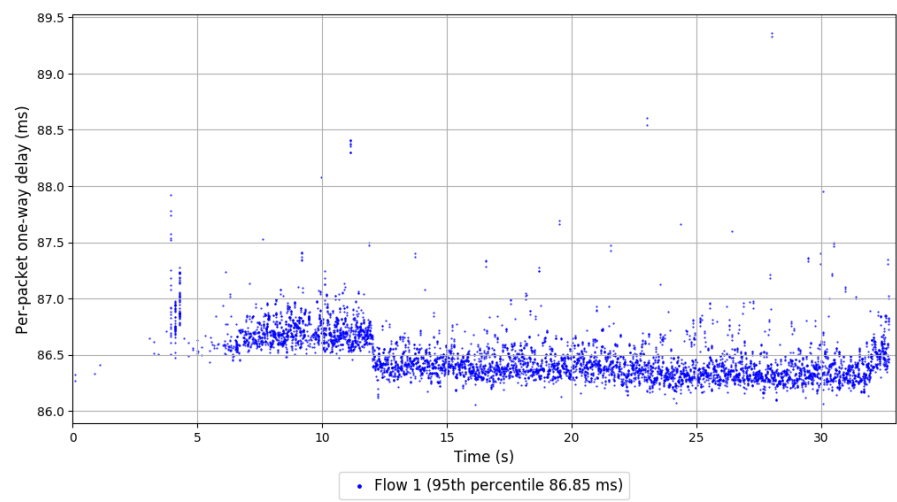
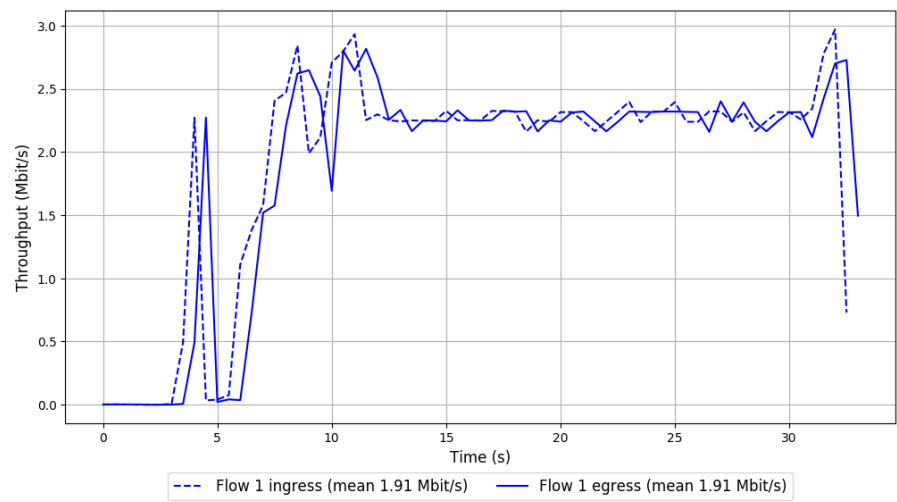
-- Flow 1:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 86.846 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

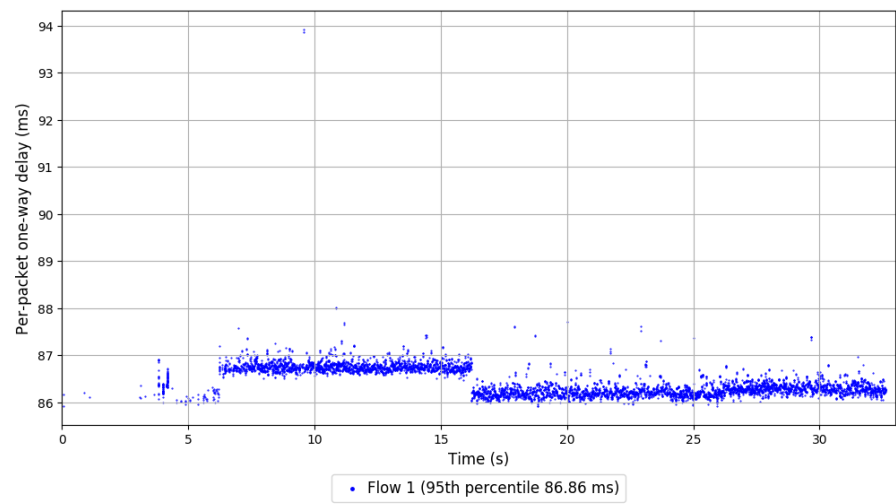
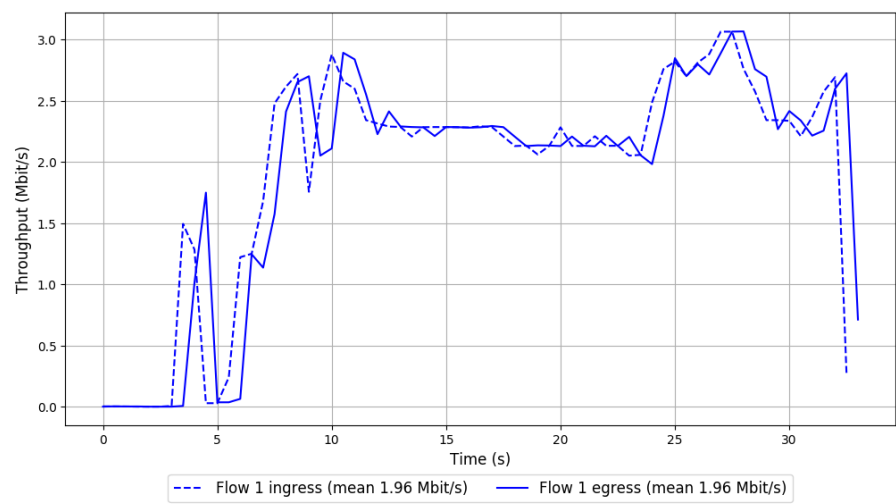


Run 6: Statistics of WebRTC media

Start at: 2018-06-29 13:27:40
End at: 2018-06-29 13:28:10
Local clock offset: -0.418 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-06-29 16:36:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 86.863 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 86.863 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

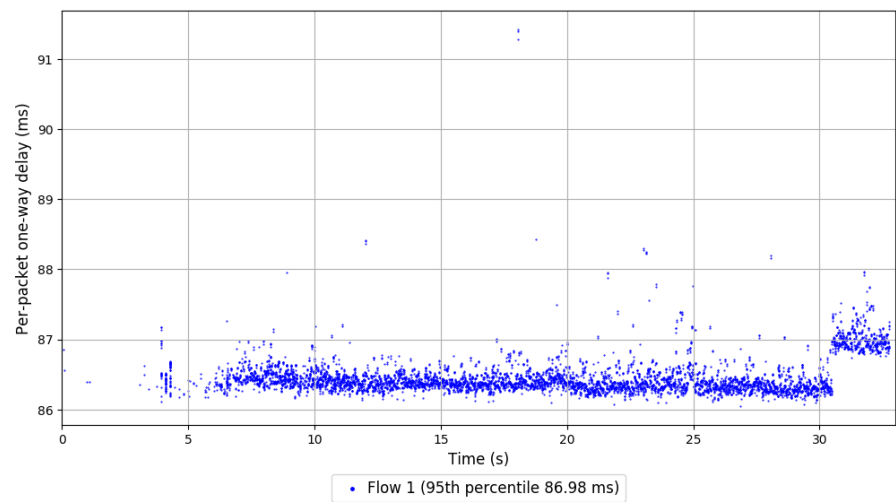
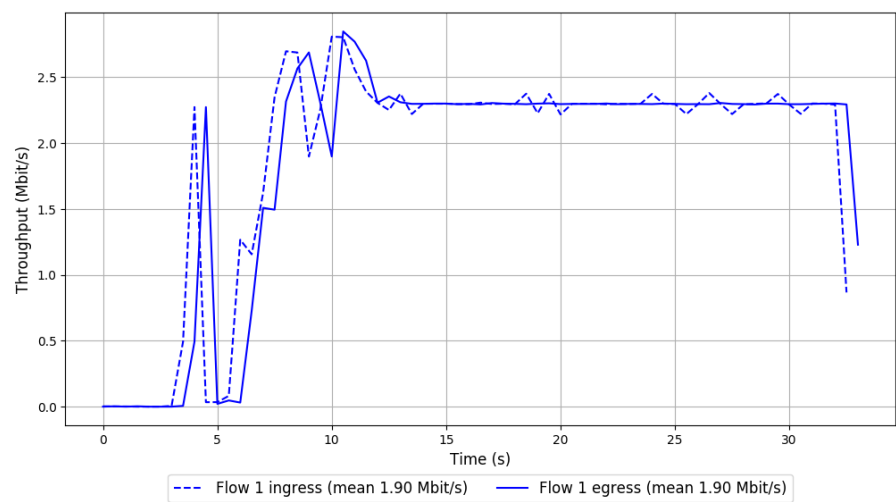


Run 7: Statistics of WebRTC media

Start at: 2018-06-29 13:49:26
End at: 2018-06-29 13:49:56
Local clock offset: -0.643 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-06-29 16:36:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 86.976 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 86.976 ms
Loss rate: 0.02%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-06-29 14:11:25

End at: 2018-06-29 14:11:55

Local clock offset: -0.845 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-06-29 16:36:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 87.034 ms

Loss rate: 0.00%

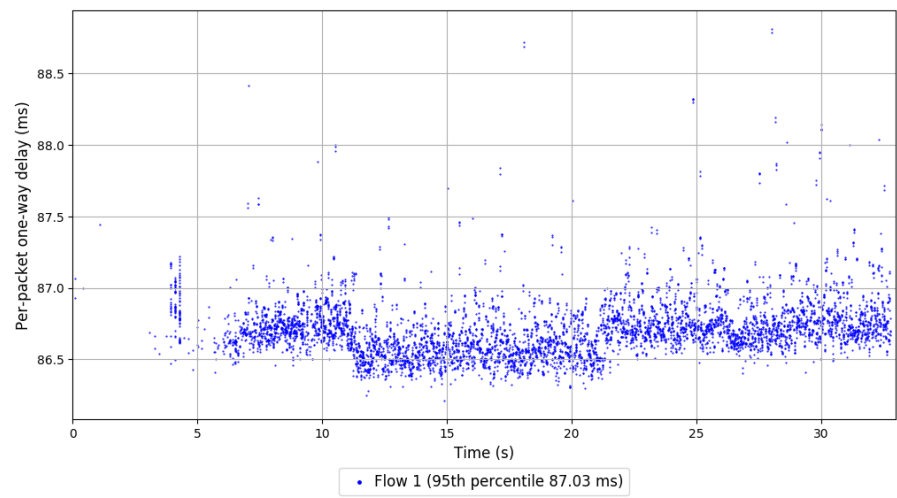
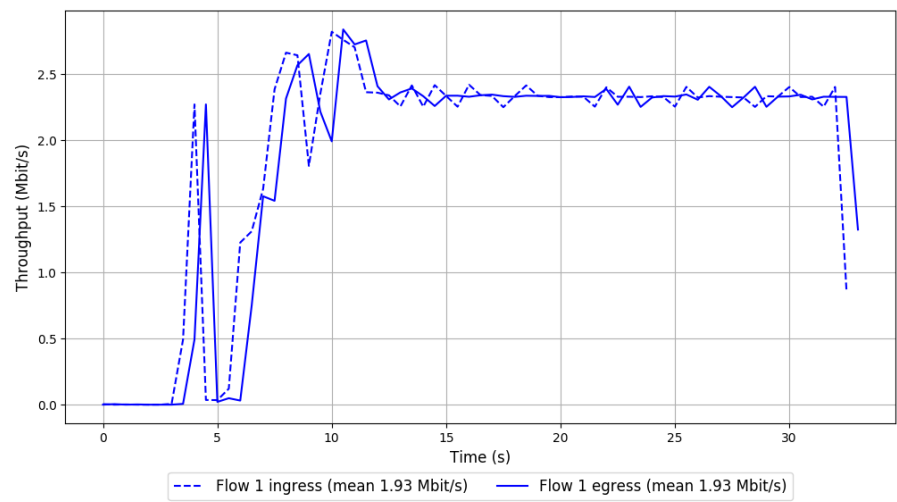
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 87.034 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

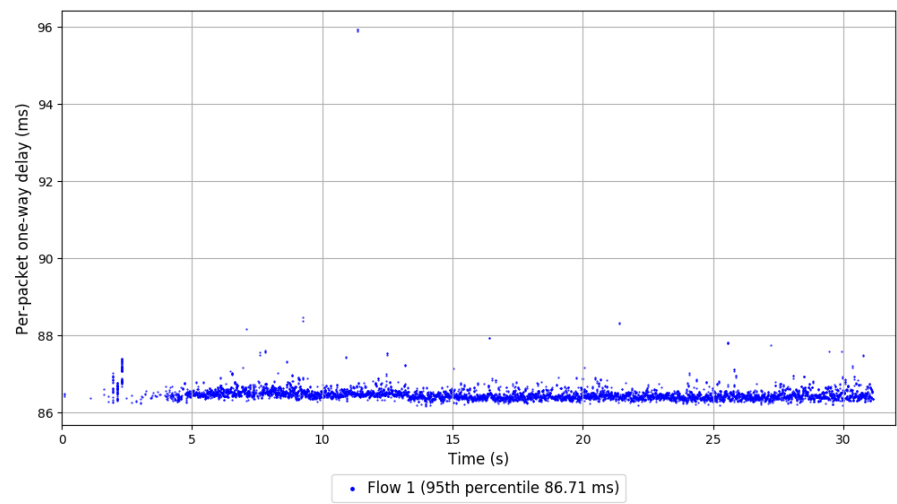
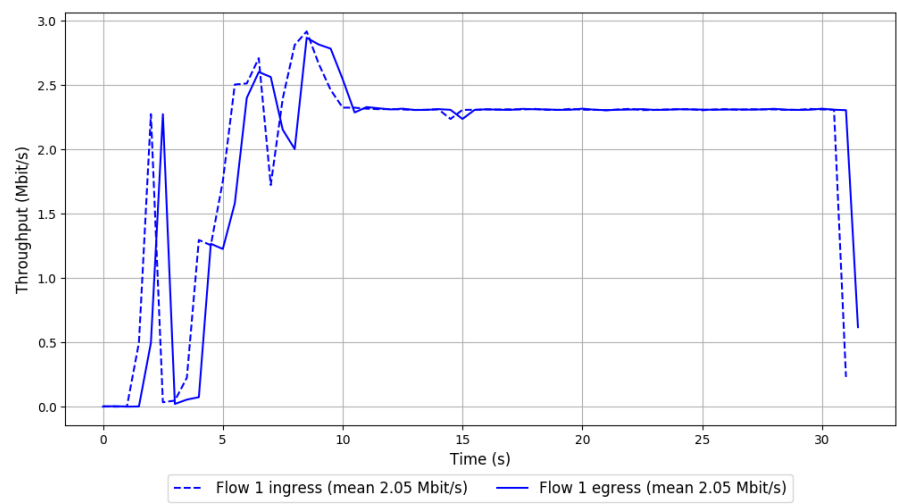


Run 9: Statistics of WebRTC media

Start at: 2018-06-29 14:33:12
End at: 2018-06-29 14:33:42
Local clock offset: -0.255 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-06-29 16:36:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 86.712 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 86.712 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-29 14:54:59

End at: 2018-06-29 14:55:29

Local clock offset: 0.145 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-06-29 16:36:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 86.947 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 86.947 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

