

Pantheon Report

Generated at 2018-05-22 23:37:53 (UTC).

Data path: GCE Sydney Ethernet (*local*) → GCE London Ethernet (*remote*).

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

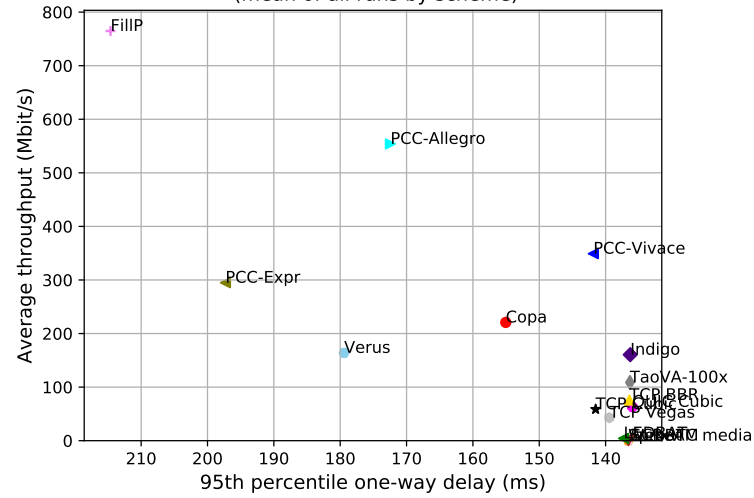
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

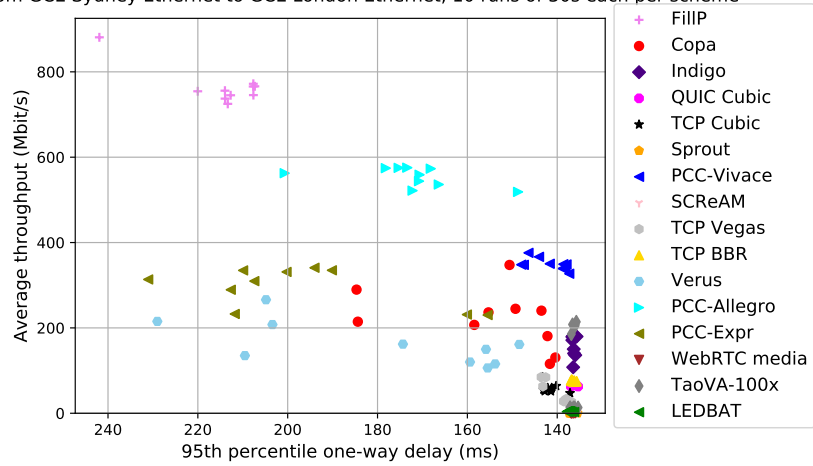
Git summary:

```
branch: master @ 2d1d4407e851ba626e5ca4626a306105793df686
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



test from GCE Sydney Ethernet to GCE London Ethernet, 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	75.87	136.41	0.00
Copa	10	220.75	155.05	0.03
TCP Cubic	10	58.70	141.51	0.00
FillP	10	764.78	214.62	3.57
Indigo	10	160.52	136.29	0.00
LEDBAT	10	4.28	137.29	0.03
PCC-Allegro	10	553.97	172.43	0.93
PCC-Expr	10	294.84	197.30	0.77
QUIC Cubic	3	63.19	135.98	0.00
SCReAM	10	0.22	136.20	0.00
Sprout	10	0.15	136.58	0.00
TaoVA-100x	10	108.62	136.33	0.00
TCP Vegas	10	42.95	139.44	0.02
Verus	10	163.90	179.41	0.08
PCC-Vivace	10	349.07	141.85	0.08
WebRTC media	10	0.05	136.58	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-05-22 18:48:32

End at: 2018-05-22 18:49:02

Local clock offset: -0.038 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-05-22 22:18:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.52 Mbit/s

95th percentile per-packet one-way delay: 136.762 ms

Loss rate: 0.00%

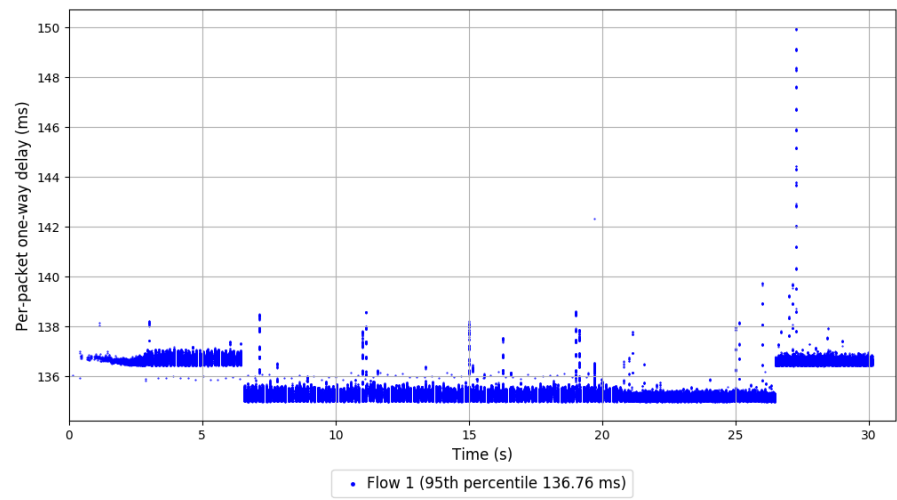
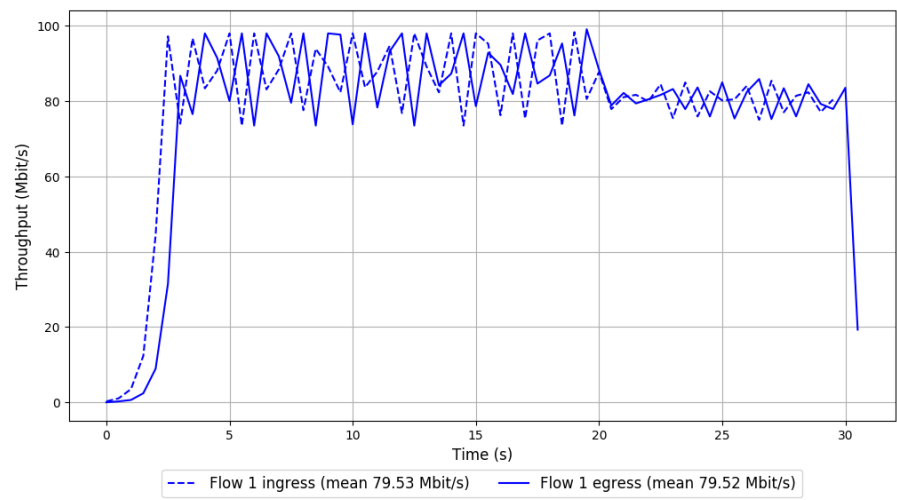
-- Flow 1:

Average throughput: 79.52 Mbit/s

95th percentile per-packet one-way delay: 136.762 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

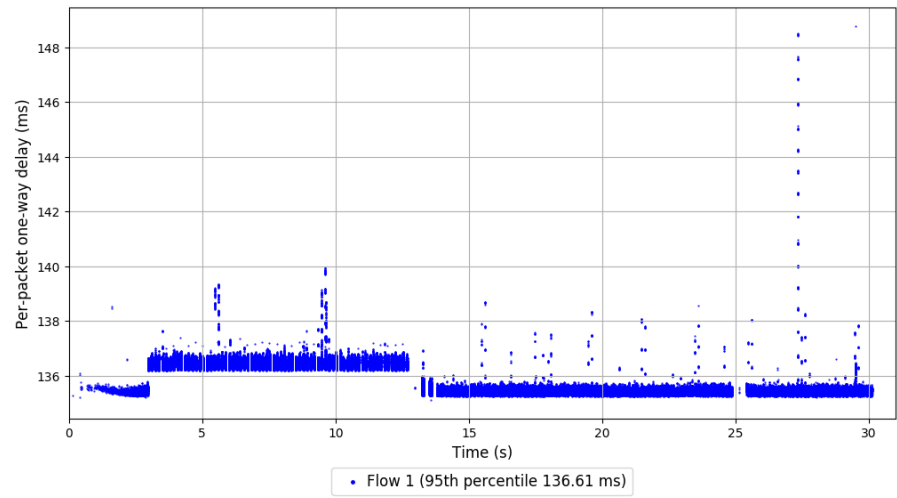
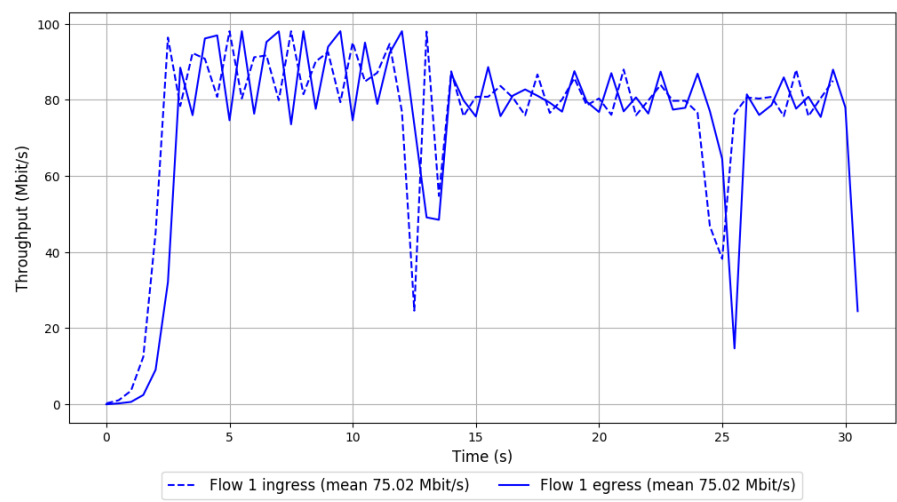


Run 2: Statistics of TCP BBR

Start at: 2018-05-22 19:09:46
End at: 2018-05-22 19:10:16
Local clock offset: -0.363 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-05-22 22:18:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.02 Mbit/s
95th percentile per-packet one-way delay: 136.611 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 75.02 Mbit/s
95th percentile per-packet one-way delay: 136.611 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

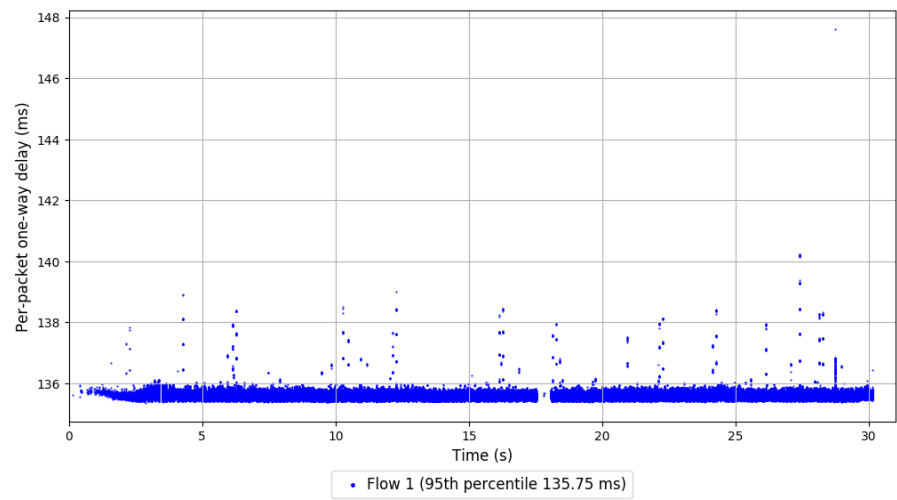
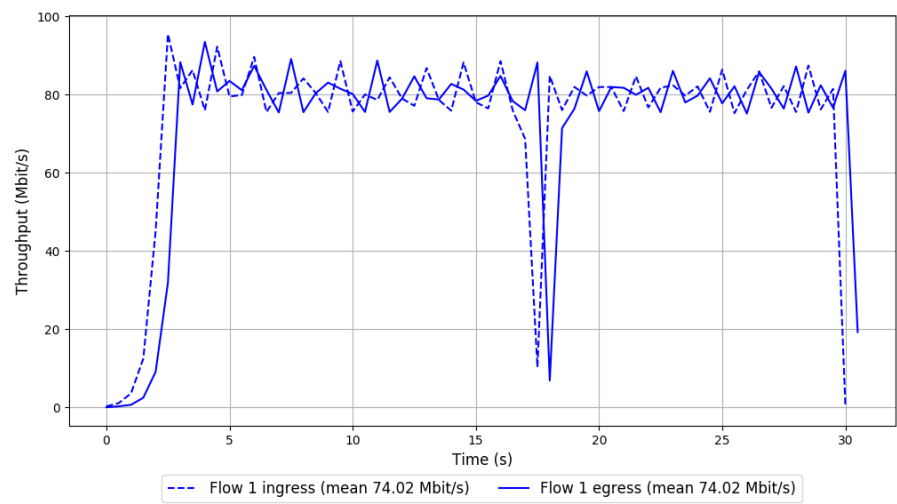


Run 3: Statistics of TCP BBR

Start at: 2018-05-22 19:31:19
End at: 2018-05-22 19:31:49
Local clock offset: 0.122 ms
Remote clock offset: -0.366 ms

Below is generated by plot.py at 2018-05-22 22:18:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.02 Mbit/s
95th percentile per-packet one-way delay: 135.751 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 74.02 Mbit/s
95th percentile per-packet one-way delay: 135.751 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-05-22 19:52:38

End at: 2018-05-22 19:53:08

Local clock offset: 0.26 ms

Remote clock offset: -0.464 ms

Below is generated by plot.py at 2018-05-22 22:18:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.42 Mbit/s

95th percentile per-packet one-way delay: 135.670 ms

Loss rate: 0.00%

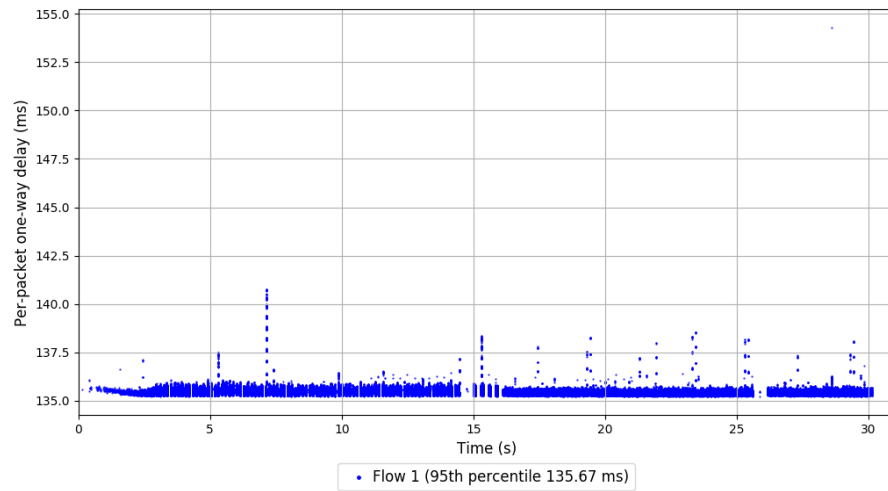
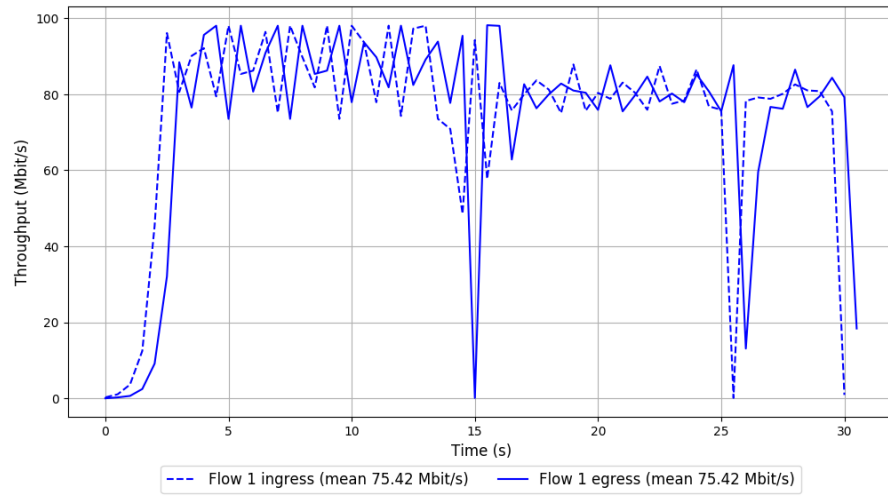
-- Flow 1:

Average throughput: 75.42 Mbit/s

95th percentile per-packet one-way delay: 135.670 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-05-22 20:14:24

End at: 2018-05-22 20:14:54

Local clock offset: 0.25 ms

Remote clock offset: 0.308 ms

Below is generated by plot.py at 2018-05-22 22:18:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.64 Mbit/s

95th percentile per-packet one-way delay: 136.961 ms

Loss rate: 0.00%

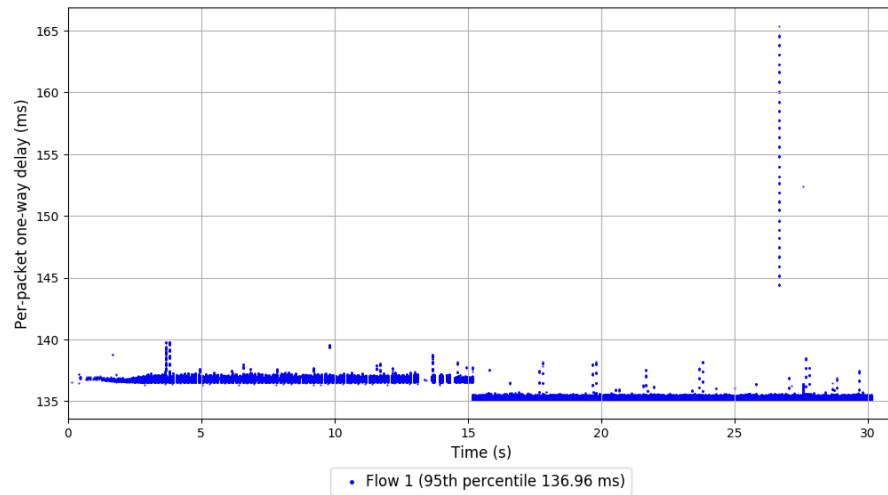
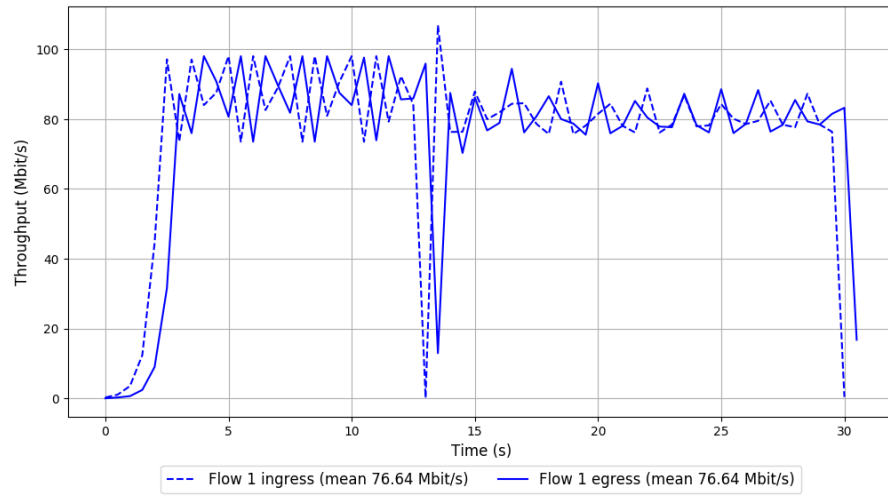
-- Flow 1:

Average throughput: 76.64 Mbit/s

95th percentile per-packet one-way delay: 136.961 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link

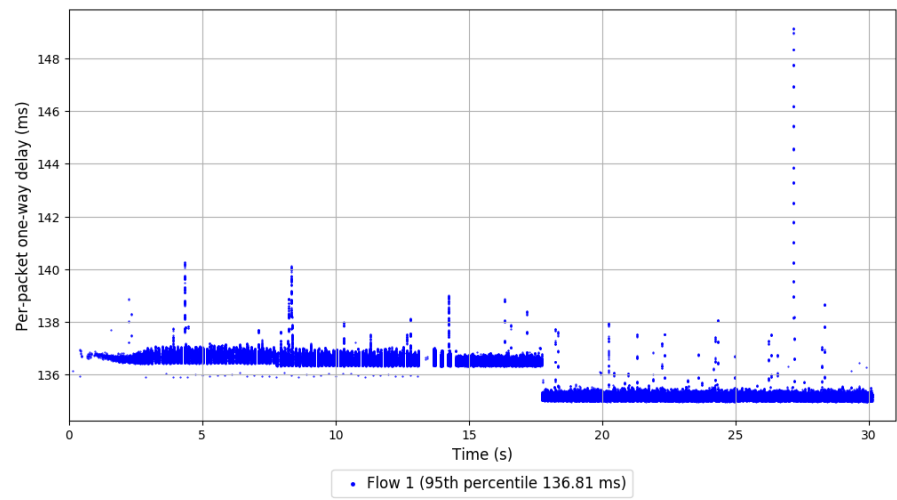
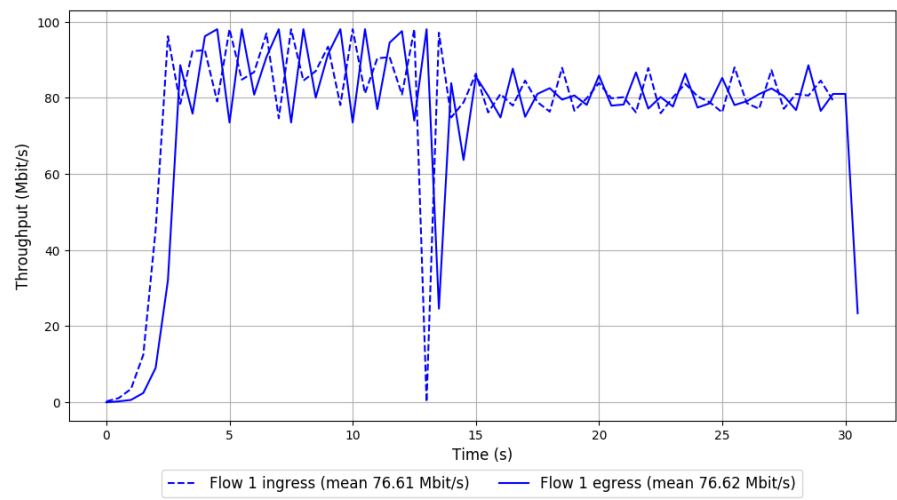


Run 6: Statistics of TCP BBR

Start at: 2018-05-22 20:35:31
End at: 2018-05-22 20:36:01
Local clock offset: -0.124 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-05-22 22:18:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.62 Mbit/s
95th percentile per-packet one-way delay: 136.815 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.62 Mbit/s
95th percentile per-packet one-way delay: 136.815 ms
Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

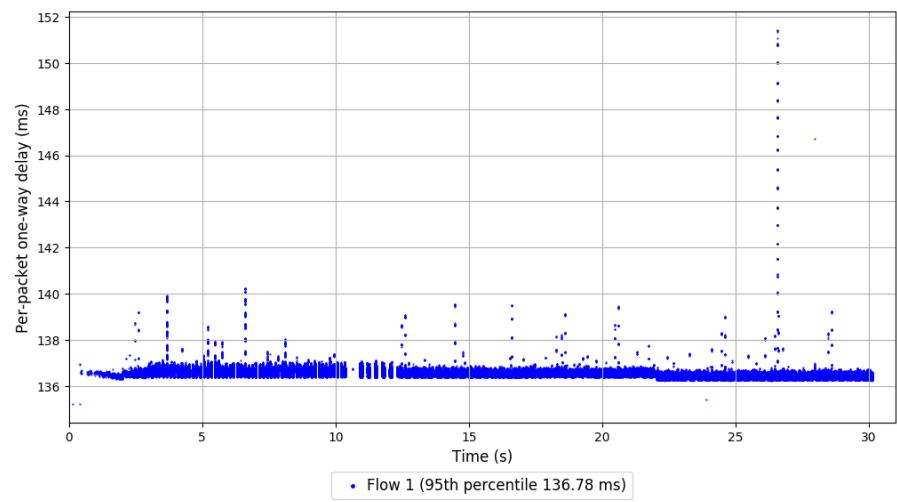
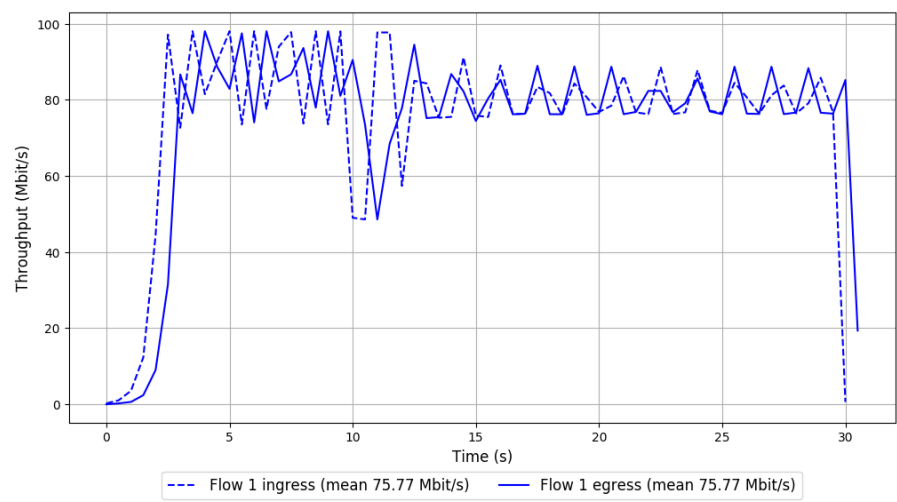


Run 7: Statistics of TCP BBR

Start at: 2018-05-22 20:56:47
End at: 2018-05-22 20:57:17
Local clock offset: -0.107 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-05-22 22:18:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.77 Mbit/s
95th percentile per-packet one-way delay: 136.784 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 75.77 Mbit/s
95th percentile per-packet one-way delay: 136.784 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-05-22 21:18:24

End at: 2018-05-22 21:18:54

Local clock offset: 0.335 ms

Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-05-22 22:18:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.54 Mbit/s

95th percentile per-packet one-way delay: 136.330 ms

Loss rate: 0.00%

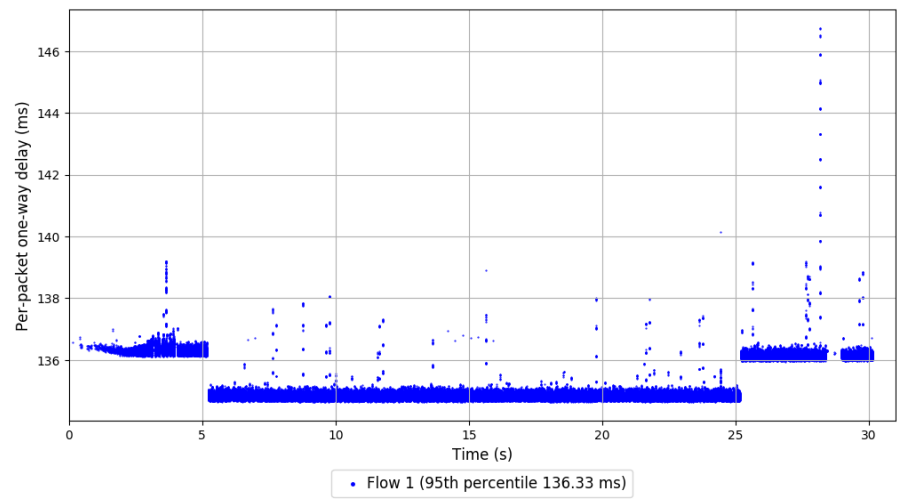
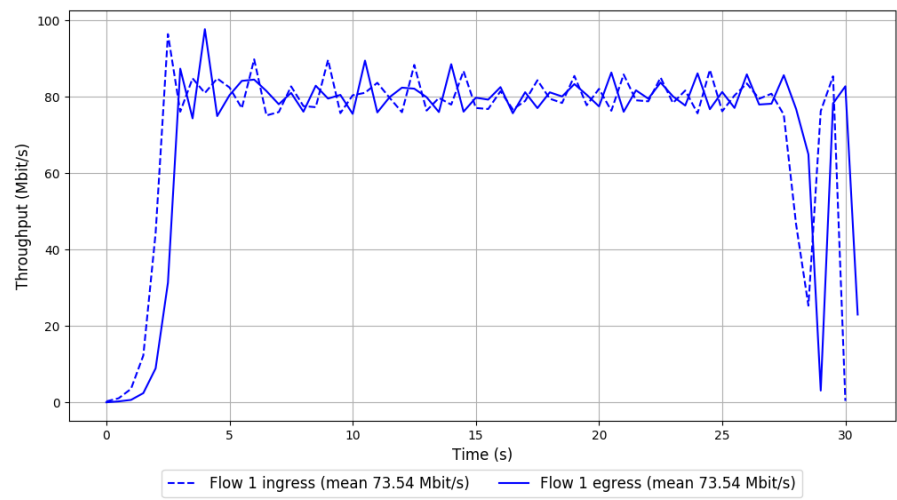
-- Flow 1:

Average throughput: 73.54 Mbit/s

95th percentile per-packet one-way delay: 136.330 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link

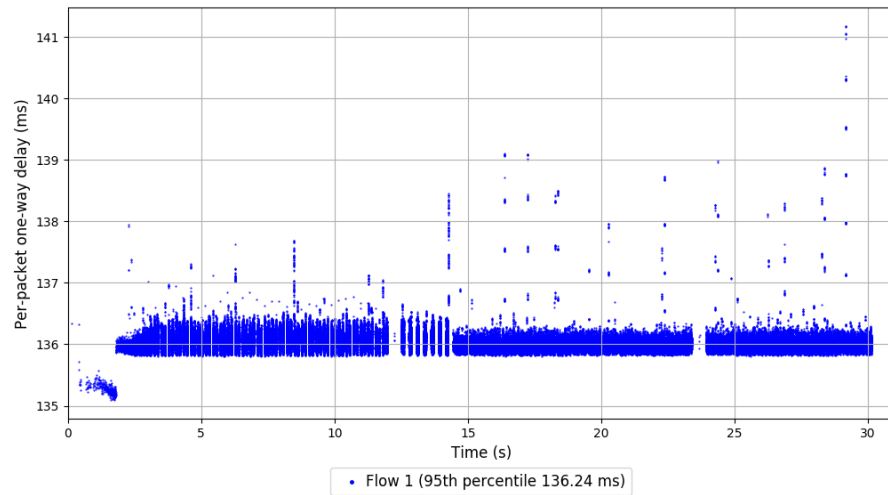
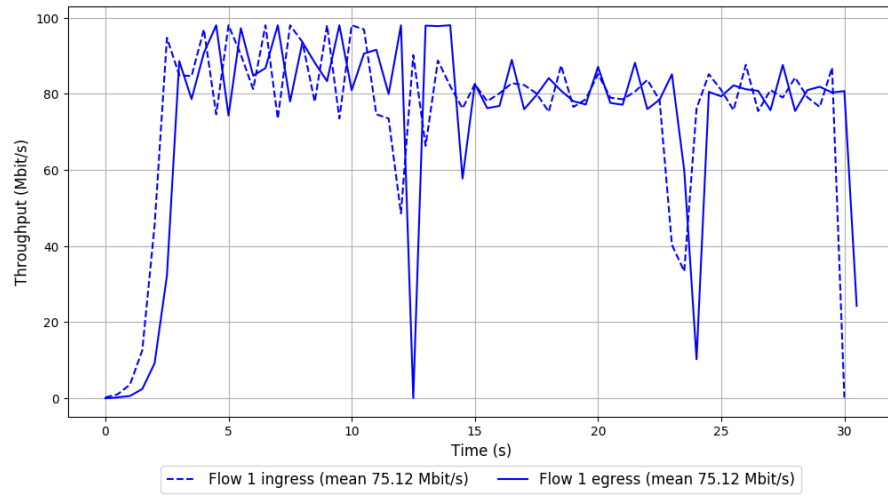


Run 9: Statistics of TCP BBR

Start at: 2018-05-22 21:39:27
End at: 2018-05-22 21:39:57
Local clock offset: -0.056 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-05-22 22:19:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.12 Mbit/s
95th percentile per-packet one-way delay: 136.237 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 75.12 Mbit/s
95th percentile per-packet one-way delay: 136.237 ms
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link

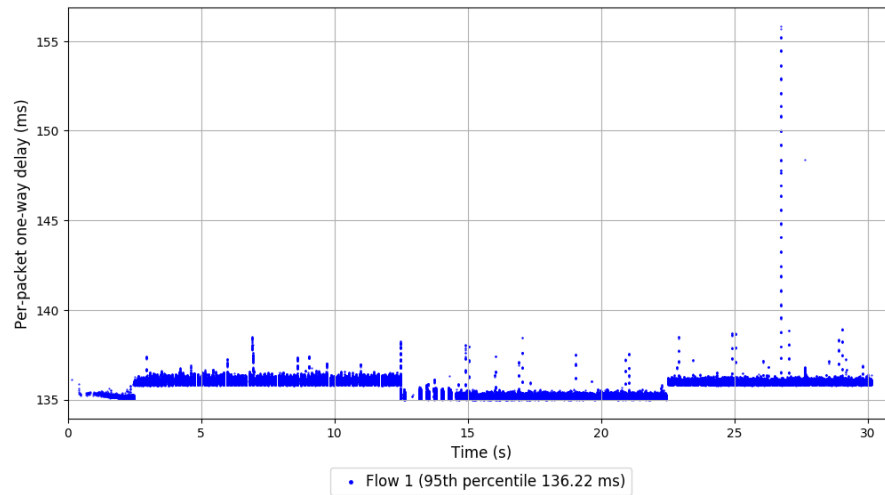
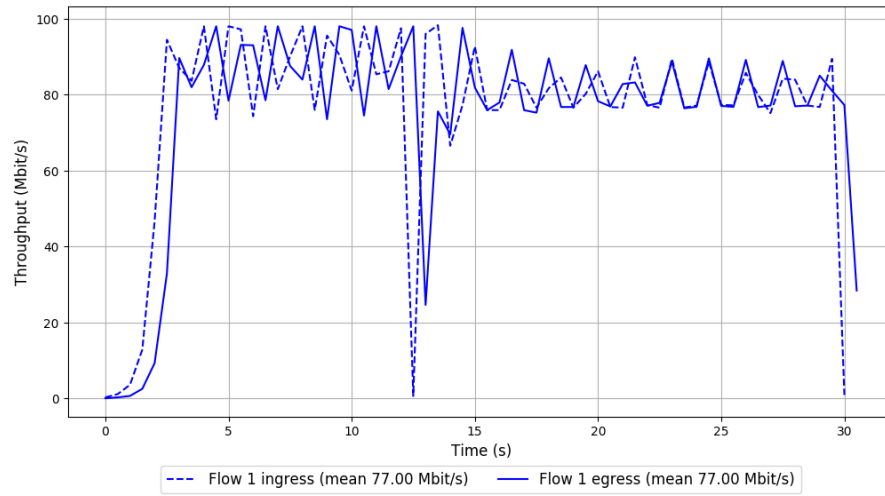


Run 10: Statistics of TCP BBR

Start at: 2018-05-22 22:00:56
End at: 2018-05-22 22:01:26
Local clock offset: -0.059 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-05-22 22:19:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.00 Mbit/s
95th percentile per-packet one-way delay: 136.223 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.00 Mbit/s
95th percentile per-packet one-way delay: 136.223 ms
Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-05-22 18:50:54

End at: 2018-05-22 18:51:24

Local clock offset: 0.143 ms

Remote clock offset: 0.27 ms

Below is generated by plot.py at 2018-05-22 22:26:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 240.40 Mbit/s

95th percentile per-packet one-way delay: 143.512 ms

Loss rate: 0.01%

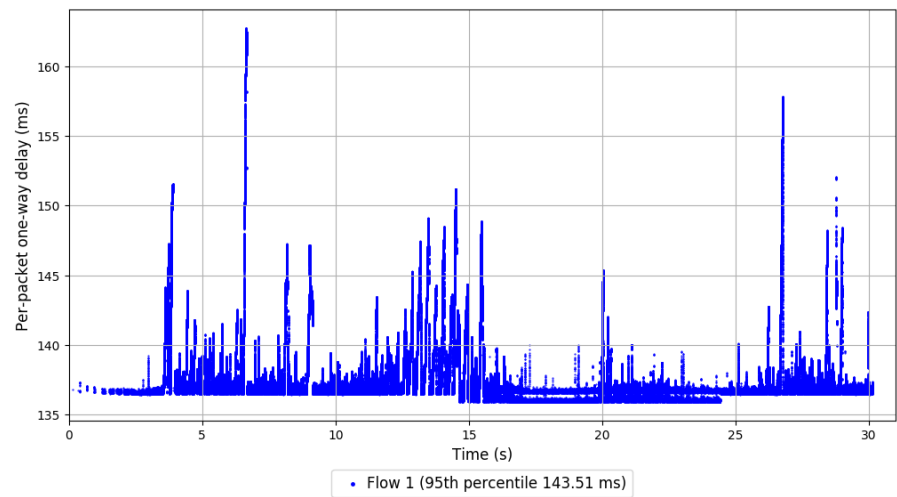
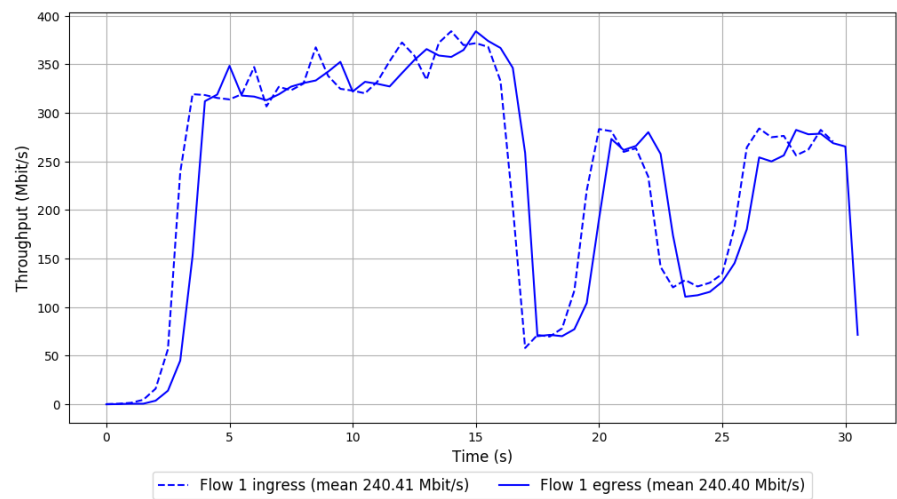
-- Flow 1:

Average throughput: 240.40 Mbit/s

95th percentile per-packet one-way delay: 143.512 ms

Loss rate: 0.01%

Run 1: Report of Copa — Data Link

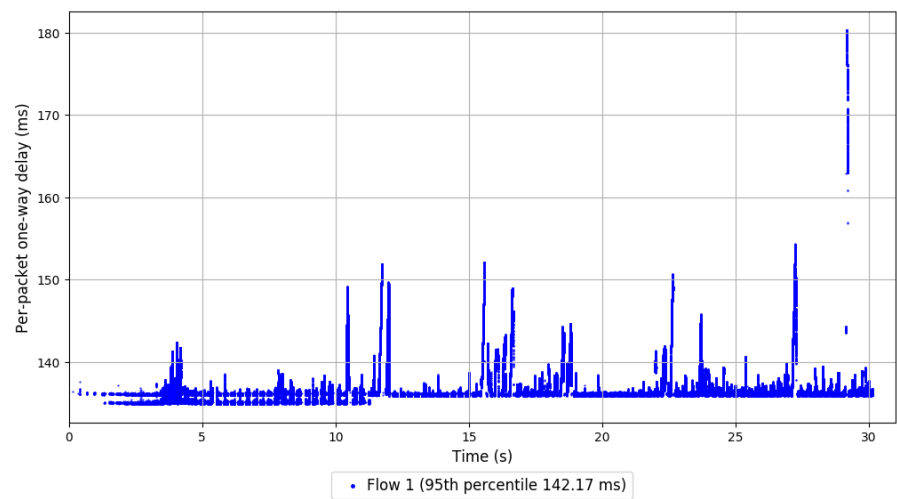
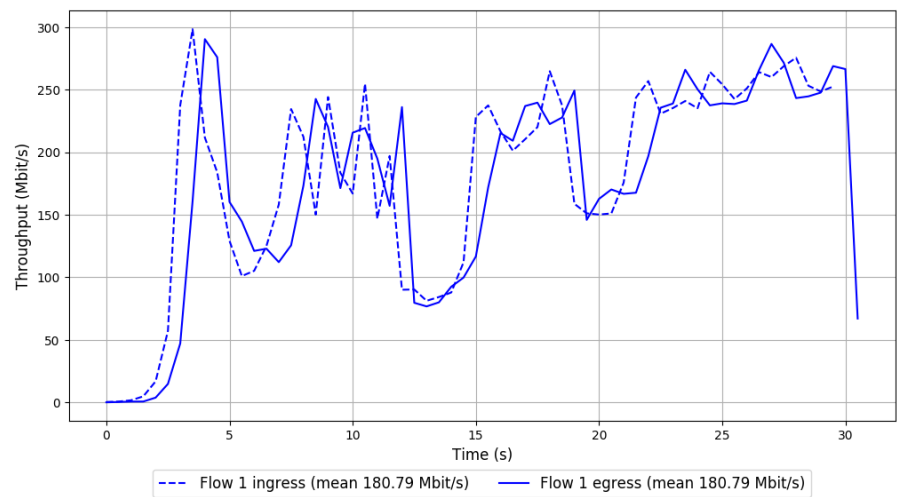


Run 2: Statistics of Copa

Start at: 2018-05-22 19:12:08
End at: 2018-05-22 19:12:38
Local clock offset: -0.066 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-05-22 22:26:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 180.79 Mbit/s
95th percentile per-packet one-way delay: 142.173 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 180.79 Mbit/s
95th percentile per-packet one-way delay: 142.173 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-05-22 19:33:41

End at: 2018-05-22 19:34:11

Local clock offset: 0.282 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-05-22 22:26:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 244.76 Mbit/s

95th percentile per-packet one-way delay: 149.286 ms

Loss rate: 0.00%

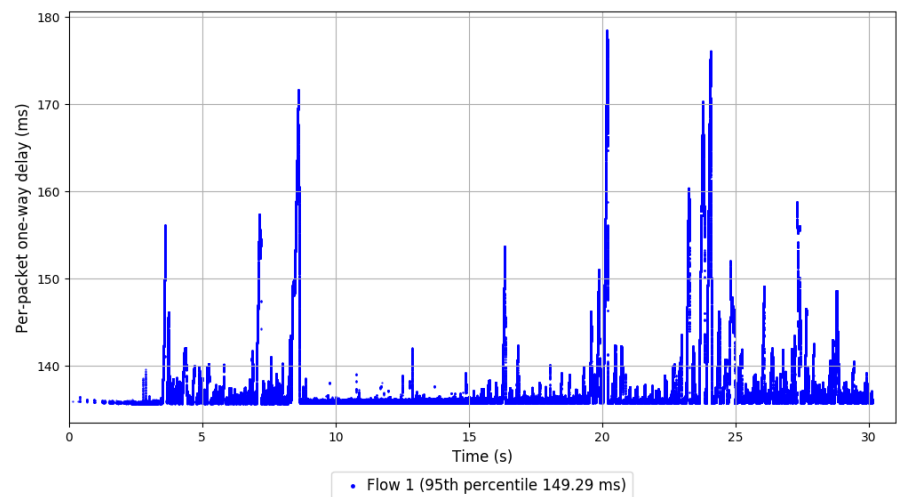
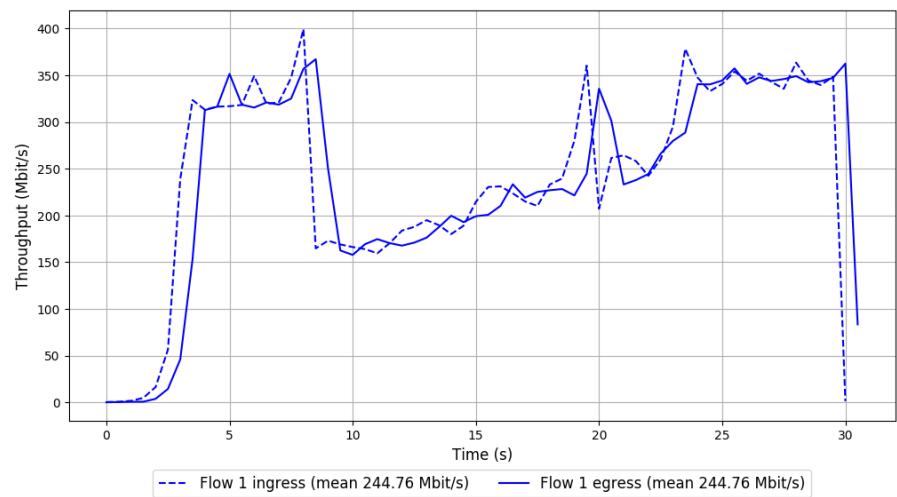
-- Flow 1:

Average throughput: 244.76 Mbit/s

95th percentile per-packet one-way delay: 149.286 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link

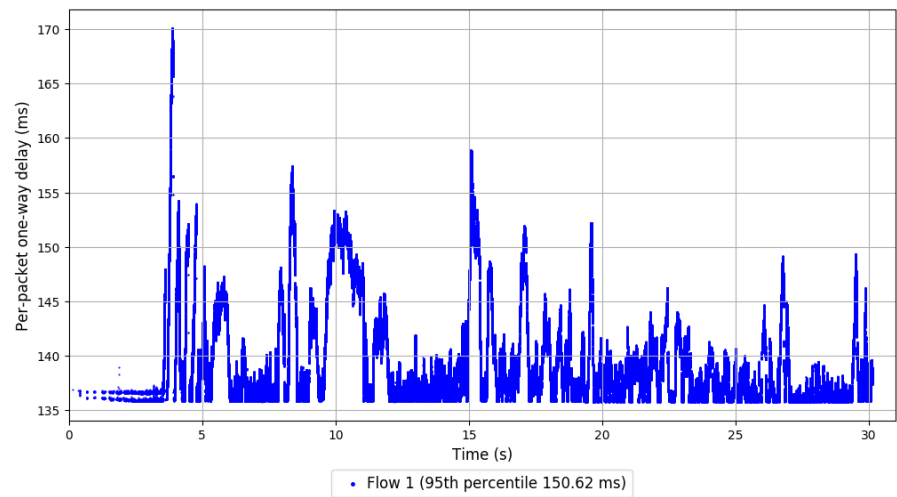
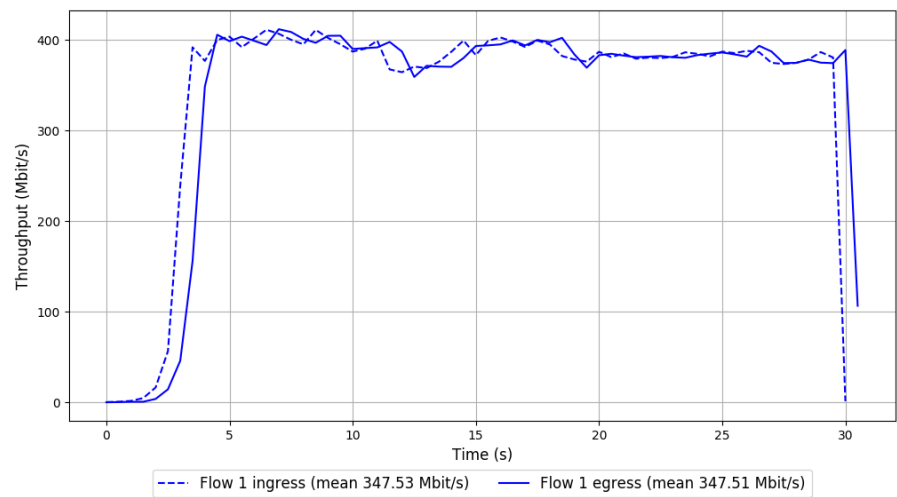


Run 4: Statistics of Copa

Start at: 2018-05-22 19:55:00
End at: 2018-05-22 19:55:30
Local clock offset: 0.098 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-05-22 22:30:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 347.51 Mbit/s
95th percentile per-packet one-way delay: 150.619 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 347.51 Mbit/s
95th percentile per-packet one-way delay: 150.619 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

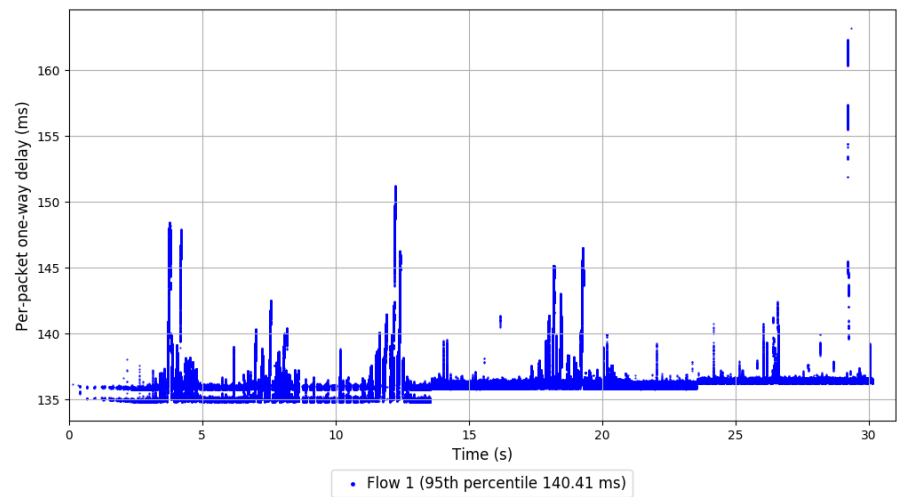
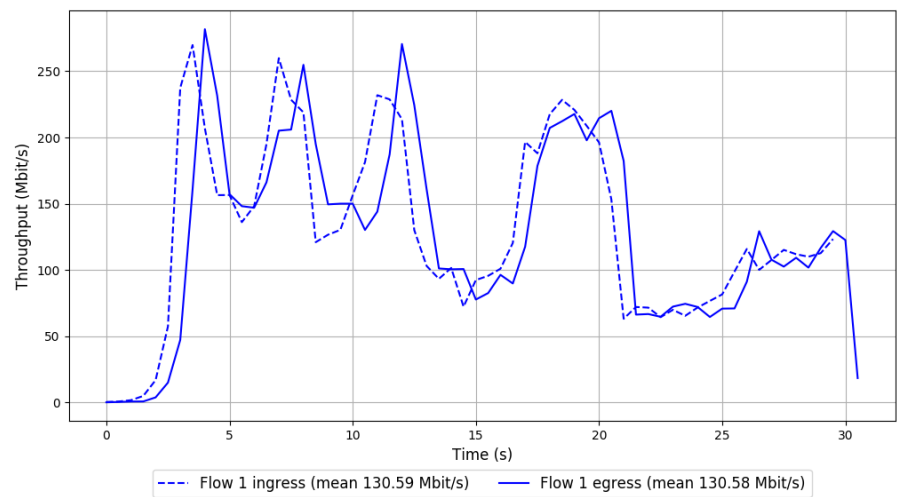


Run 5: Statistics of Copa

Start at: 2018-05-22 20:16:45
End at: 2018-05-22 20:17:15
Local clock offset: 0.102 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-05-22 22:30:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 130.58 Mbit/s
95th percentile per-packet one-way delay: 140.414 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 130.58 Mbit/s
95th percentile per-packet one-way delay: 140.414 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-05-22 20:37:53

End at: 2018-05-22 20:38:23

Local clock offset: 0.077 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-05-22 22:30:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 115.78 Mbit/s

95th percentile per-packet one-way delay: 141.634 ms

Loss rate: 0.00%

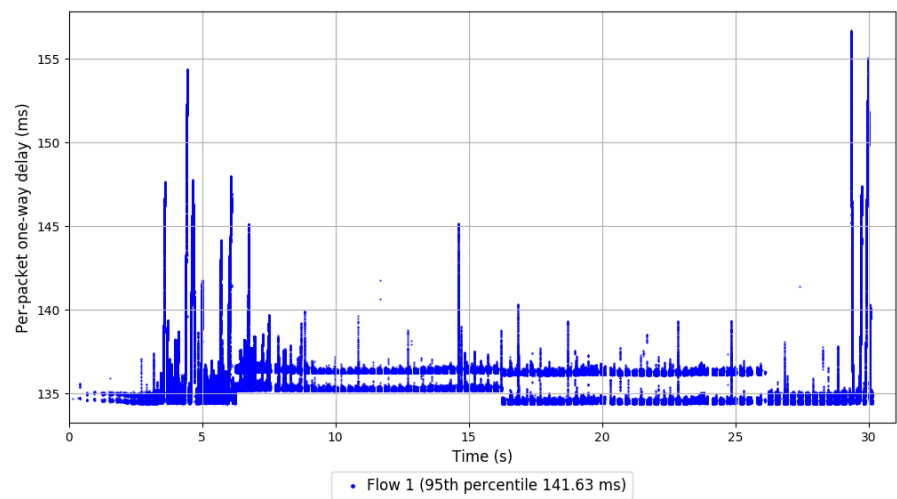
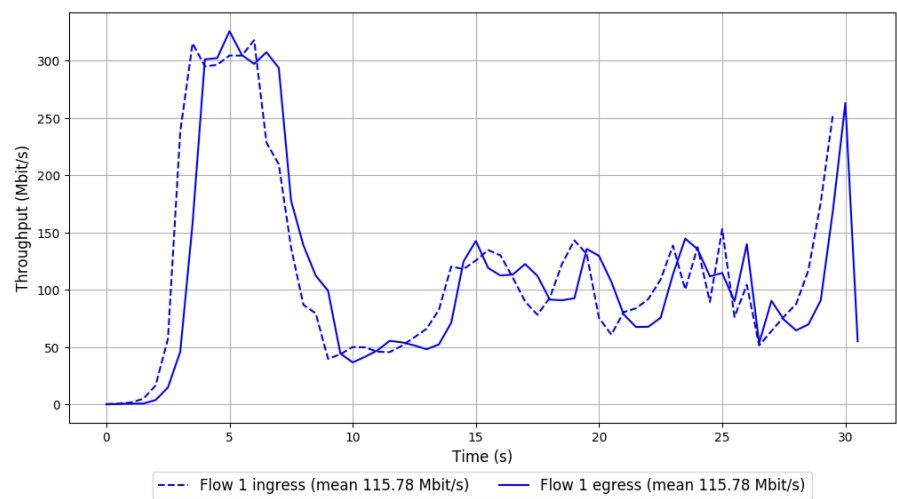
-- Flow 1:

Average throughput: 115.78 Mbit/s

95th percentile per-packet one-way delay: 141.634 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link

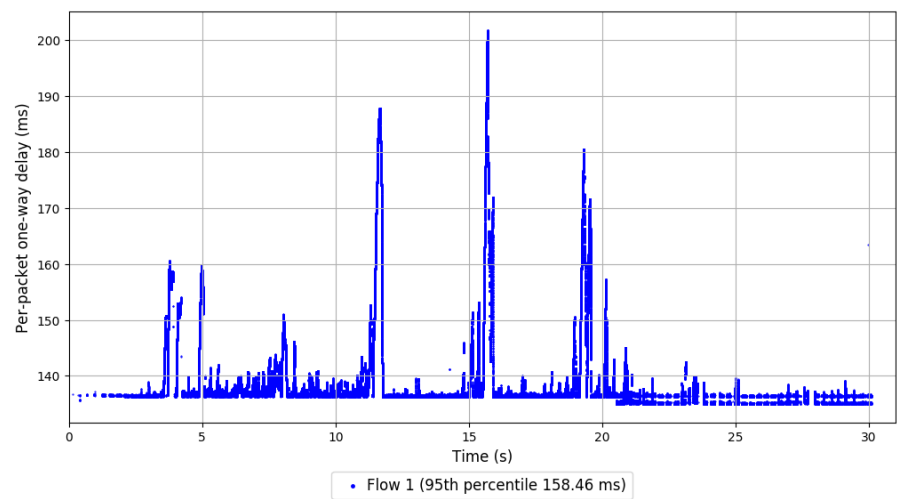
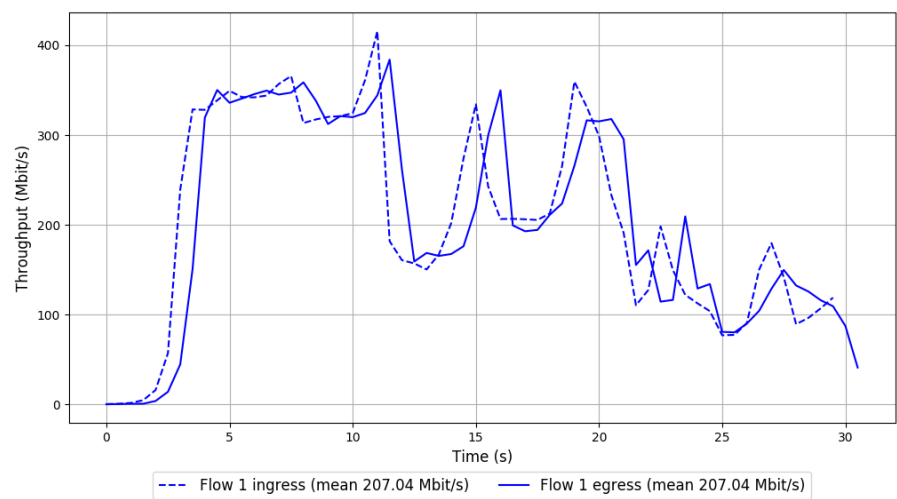


Run 7: Statistics of Copa

Start at: 2018-05-22 20:59:08
End at: 2018-05-22 20:59:38
Local clock offset: -0.128 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-05-22 22:30:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.04 Mbit/s
95th percentile per-packet one-way delay: 158.461 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 207.04 Mbit/s
95th percentile per-packet one-way delay: 158.461 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-05-22 21:20:45

End at: 2018-05-22 21:21:15

Local clock offset: 0.228 ms

Remote clock offset: 0.344 ms

Below is generated by plot.py at 2018-05-22 22:30:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.55 Mbit/s

95th percentile per-packet one-way delay: 184.385 ms

Loss rate: 0.00%

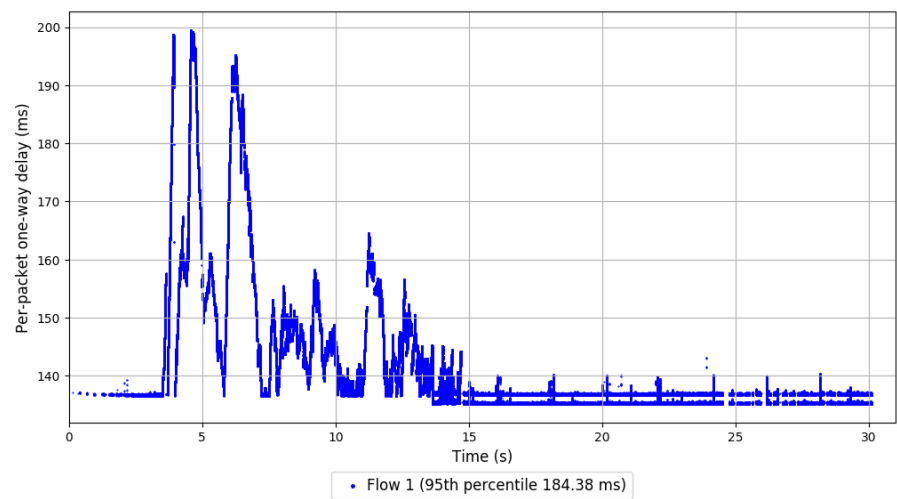
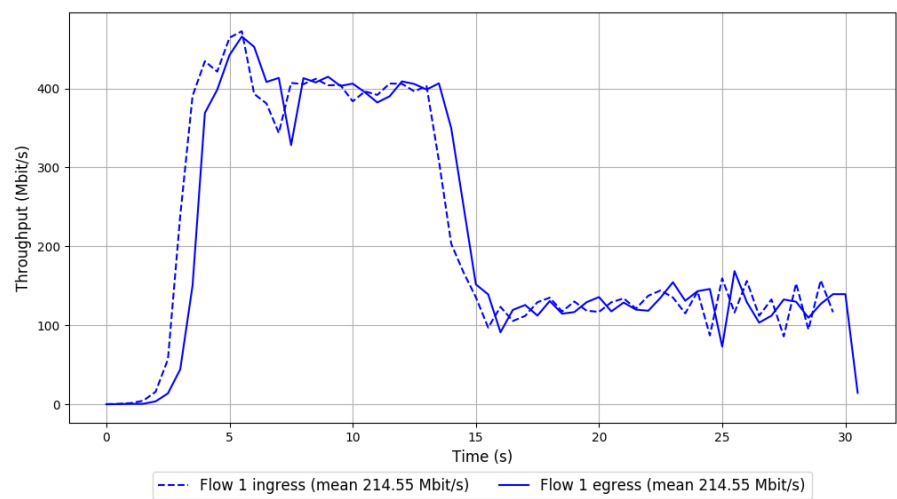
-- Flow 1:

Average throughput: 214.55 Mbit/s

95th percentile per-packet one-way delay: 184.385 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link

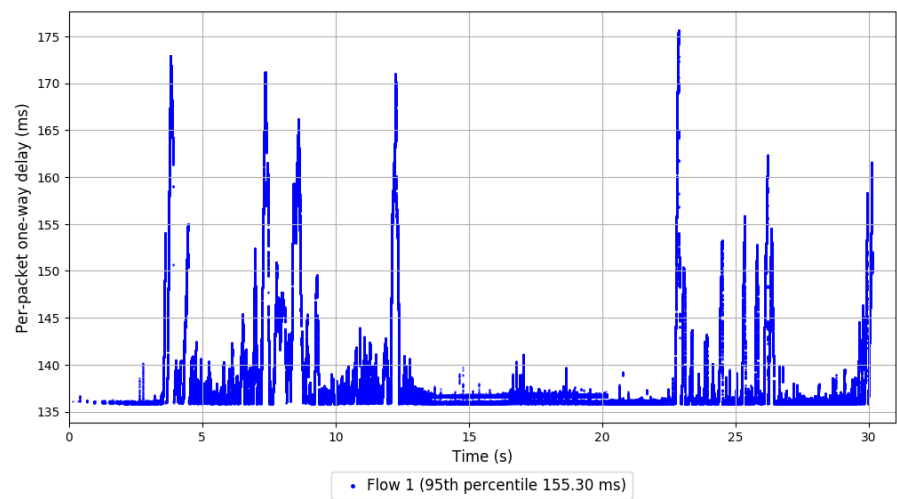
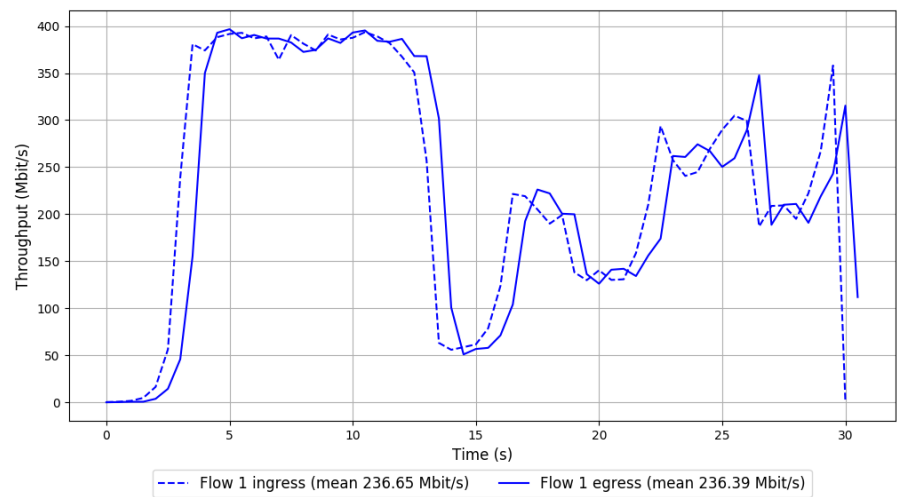


Run 9: Statistics of Copa

Start at: 2018-05-22 21:41:49
End at: 2018-05-22 21:42:19
Local clock offset: -0.101 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-05-22 22:30:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 236.39 Mbit/s
95th percentile per-packet one-way delay: 155.301 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 236.39 Mbit/s
95th percentile per-packet one-way delay: 155.301 ms
Loss rate: 0.11%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-05-22 22:03:18

End at: 2018-05-22 22:03:48

Local clock offset: 0.239 ms

Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-05-22 22:32:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 289.69 Mbit/s

95th percentile per-packet one-way delay: 184.676 ms

Loss rate: 0.15%

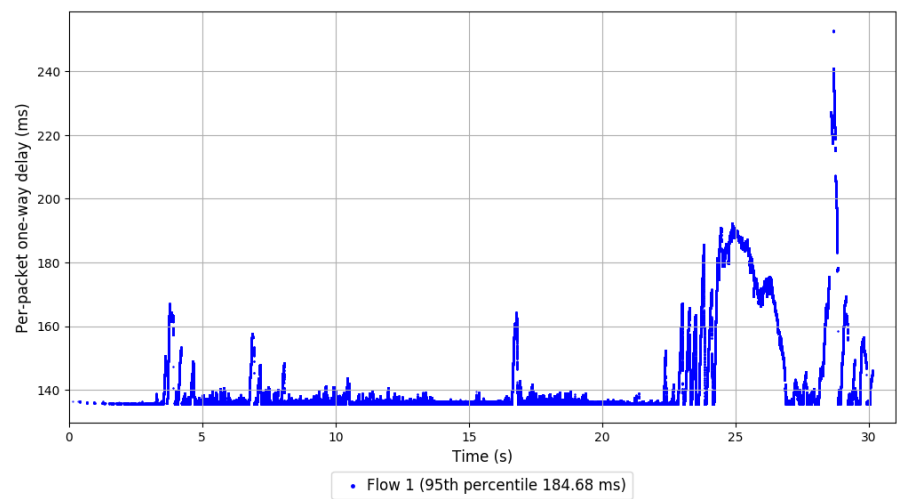
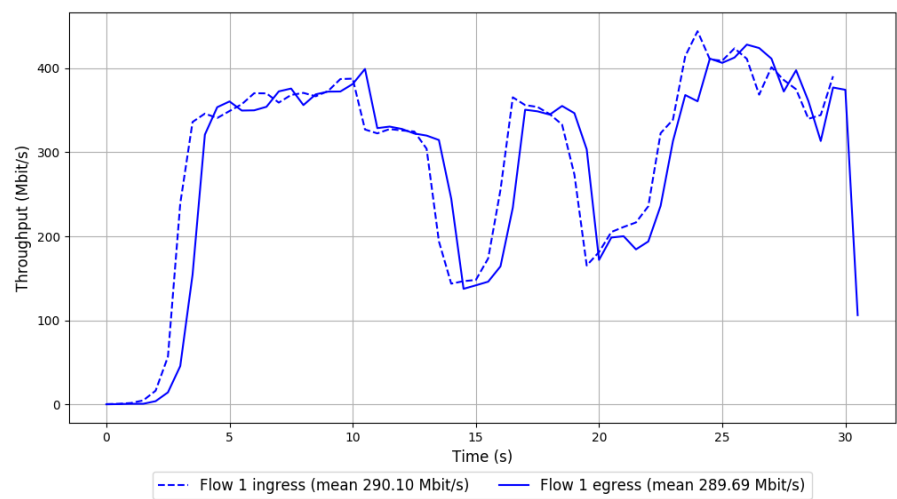
-- Flow 1:

Average throughput: 289.69 Mbit/s

95th percentile per-packet one-way delay: 184.676 ms

Loss rate: 0.15%

Run 10: Report of Copa — Data Link

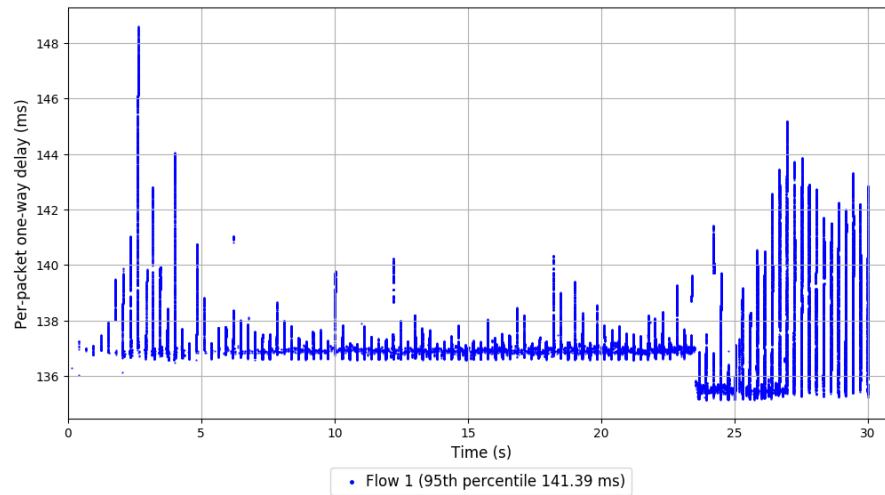
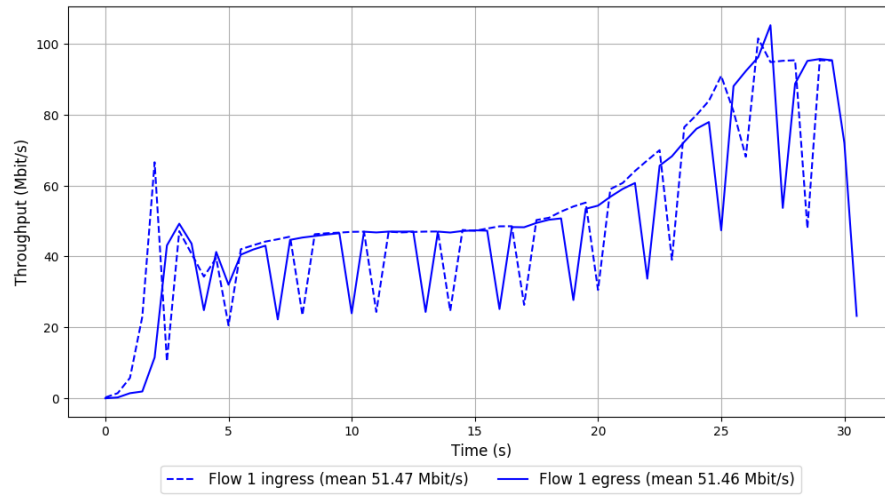


Run 1: Statistics of TCP Cubic

Start at: 2018-05-22 18:54:15
End at: 2018-05-22 18:54:45
Local clock offset: -0.239 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-05-22 22:32:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 51.46 Mbit/s
95th percentile per-packet one-way delay: 141.391 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.46 Mbit/s
95th percentile per-packet one-way delay: 141.391 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

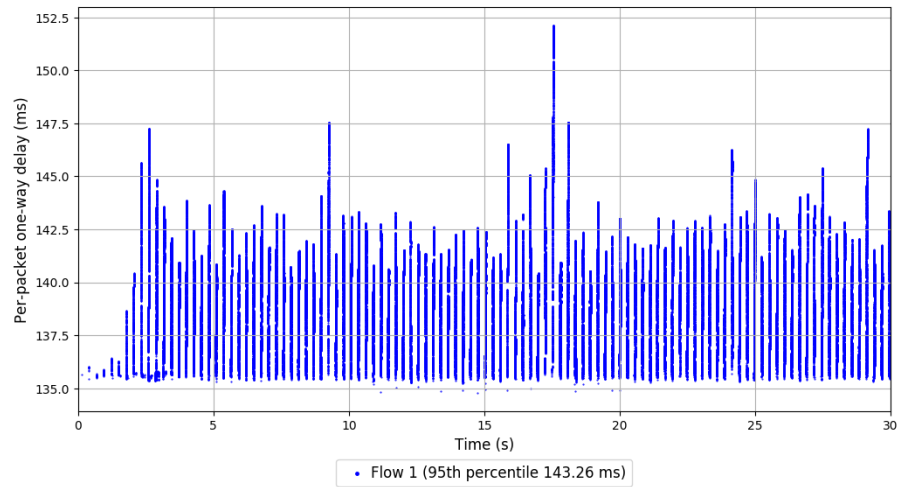
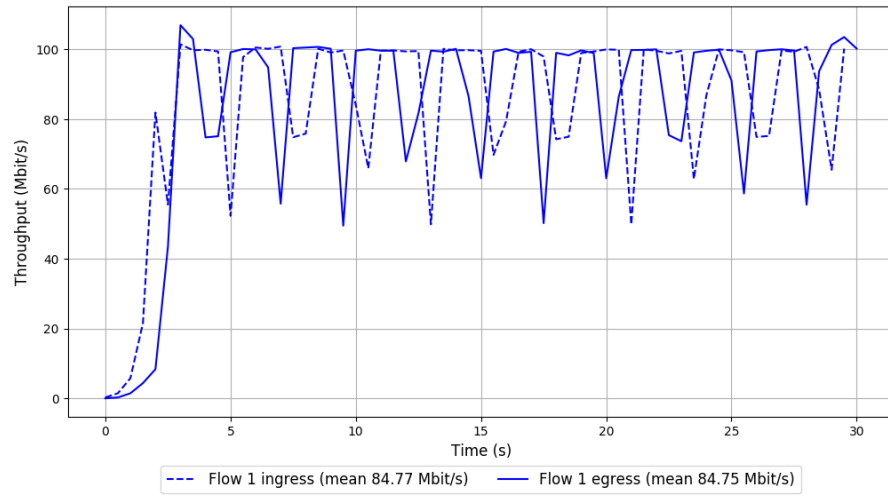


Run 2: Statistics of TCP Cubic

Start at: 2018-05-22 19:15:18
End at: 2018-05-22 19:15:48
Local clock offset: 0.215 ms
Remote clock offset: -0.439 ms

Below is generated by plot.py at 2018-05-22 22:32:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.75 Mbit/s
95th percentile per-packet one-way delay: 143.263 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.75 Mbit/s
95th percentile per-packet one-way delay: 143.263 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-05-22 19:36:57

End at: 2018-05-22 19:37:27

Local clock offset: 0.208 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2018-05-22 22:32:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.87 Mbit/s

95th percentile per-packet one-way delay: 140.241 ms

Loss rate: 0.00%

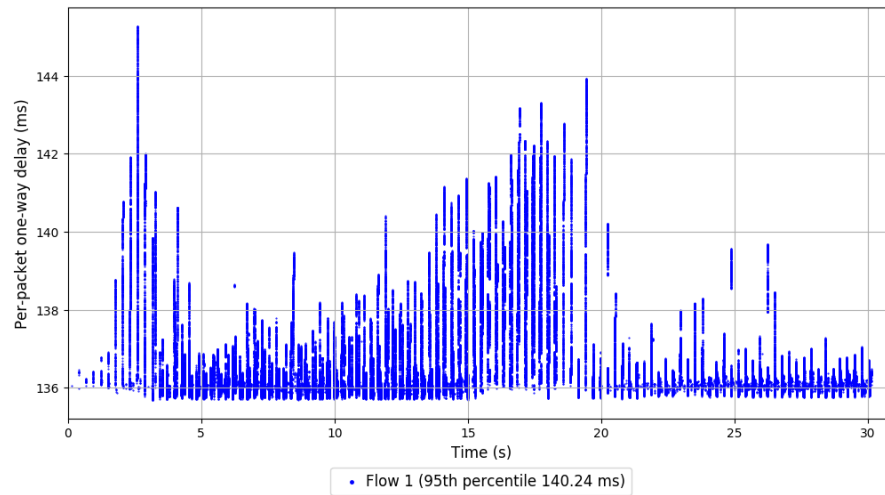
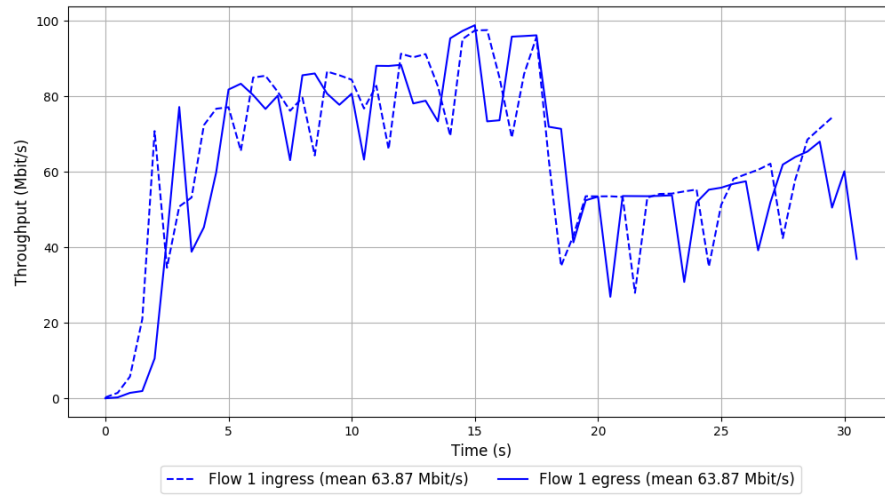
-- Flow 1:

Average throughput: 63.87 Mbit/s

95th percentile per-packet one-way delay: 140.241 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

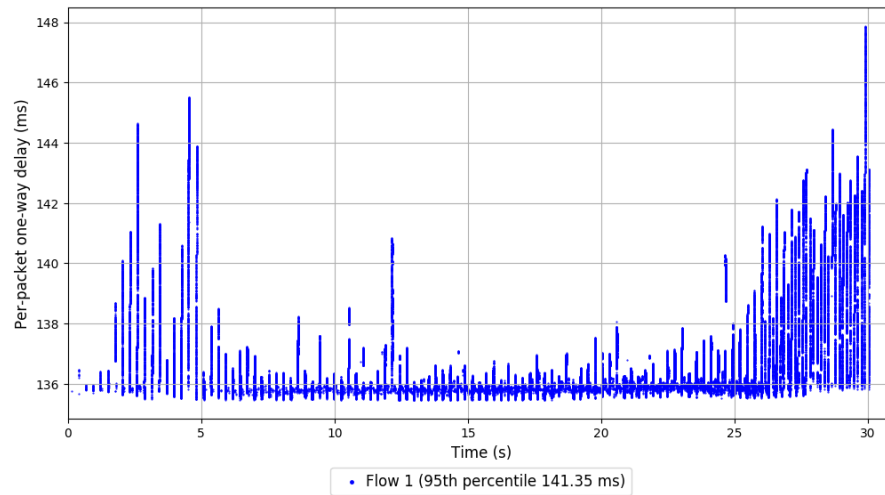
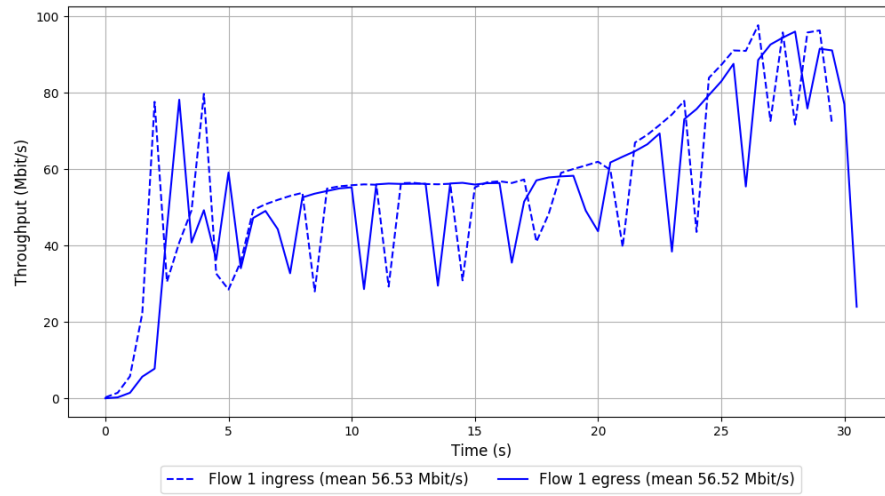


Run 4: Statistics of TCP Cubic

Start at: 2018-05-22 19:58:29
End at: 2018-05-22 19:58:59
Local clock offset: 0.038 ms
Remote clock offset: -0.442 ms

Below is generated by plot.py at 2018-05-22 22:32:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 56.52 Mbit/s
95th percentile per-packet one-way delay: 141.346 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.52 Mbit/s
95th percentile per-packet one-way delay: 141.346 ms
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link

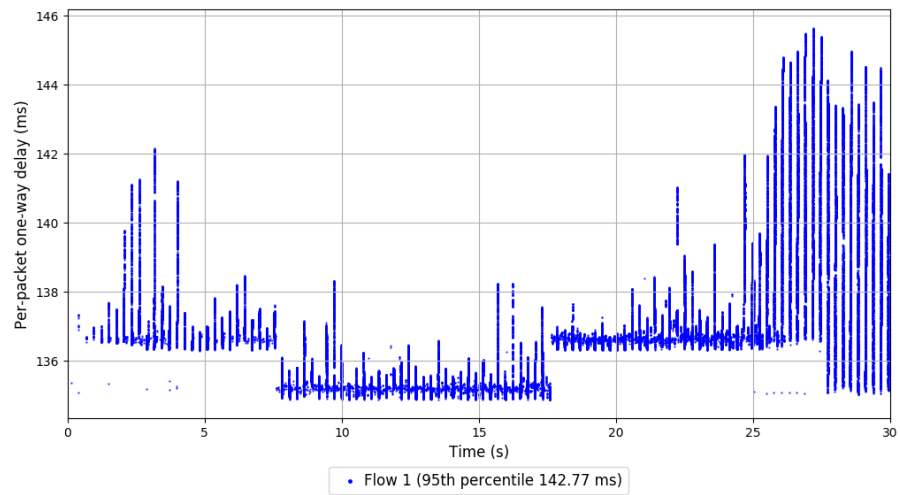
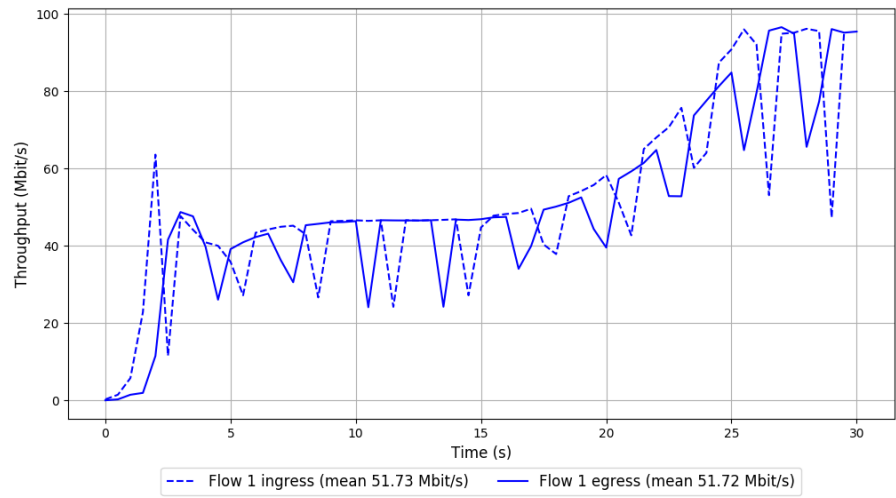


Run 5: Statistics of TCP Cubic

Start at: 2018-05-22 20:19:51
End at: 2018-05-22 20:20:21
Local clock offset: 0.031 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-05-22 22:32:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 51.72 Mbit/s
95th percentile per-packet one-way delay: 142.772 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.72 Mbit/s
95th percentile per-packet one-way delay: 142.772 ms
Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link

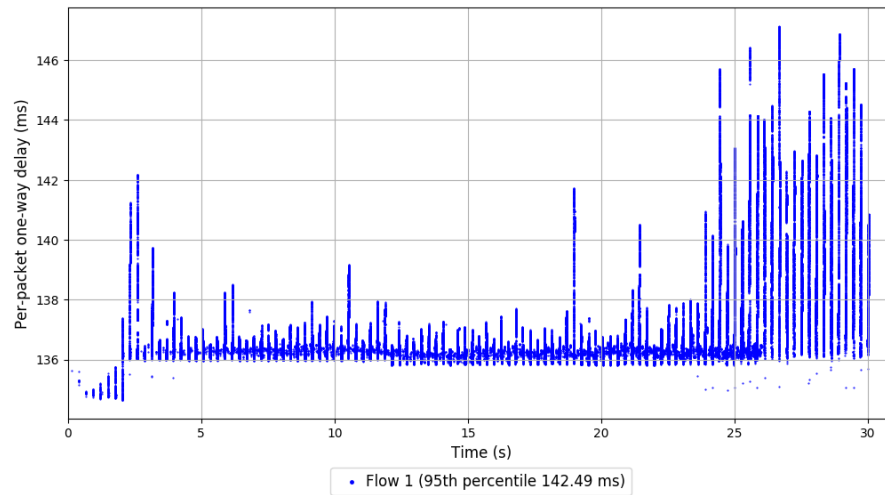
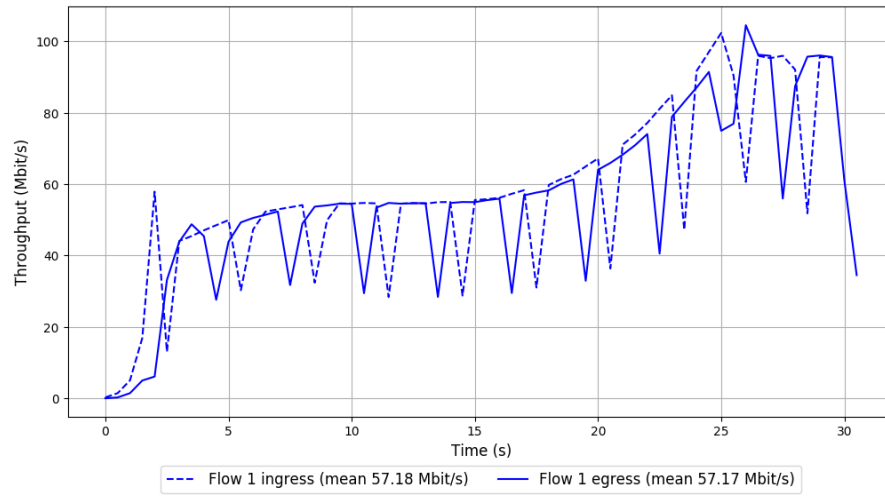


Run 6: Statistics of TCP Cubic

Start at: 2018-05-22 20:40:57
End at: 2018-05-22 20:41:27
Local clock offset: -0.002 ms
Remote clock offset: -0.437 ms

Below is generated by plot.py at 2018-05-22 22:32:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.17 Mbit/s
95th percentile per-packet one-way delay: 142.486 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.17 Mbit/s
95th percentile per-packet one-way delay: 142.486 ms
Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-05-22 21:02:20

End at: 2018-05-22 21:02:50

Local clock offset: -0.345 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-05-22 22:32:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.26 Mbit/s

95th percentile per-packet one-way delay: 143.054 ms

Loss rate: 0.00%

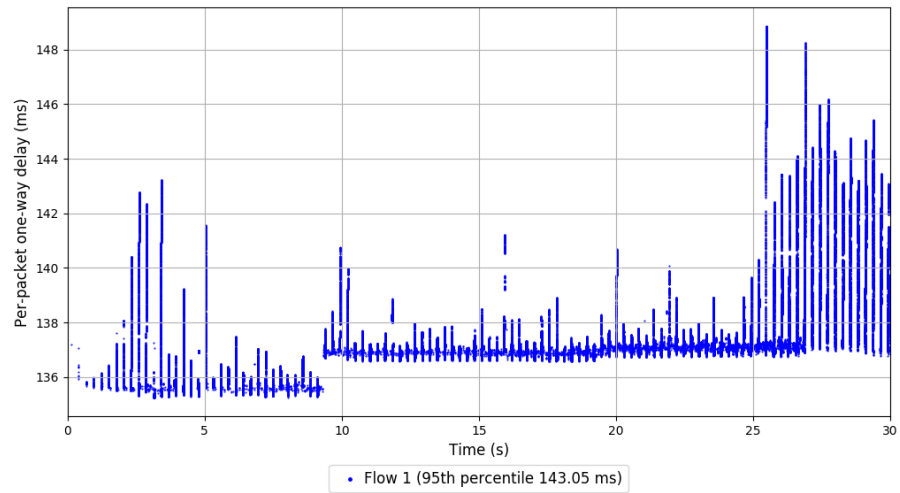
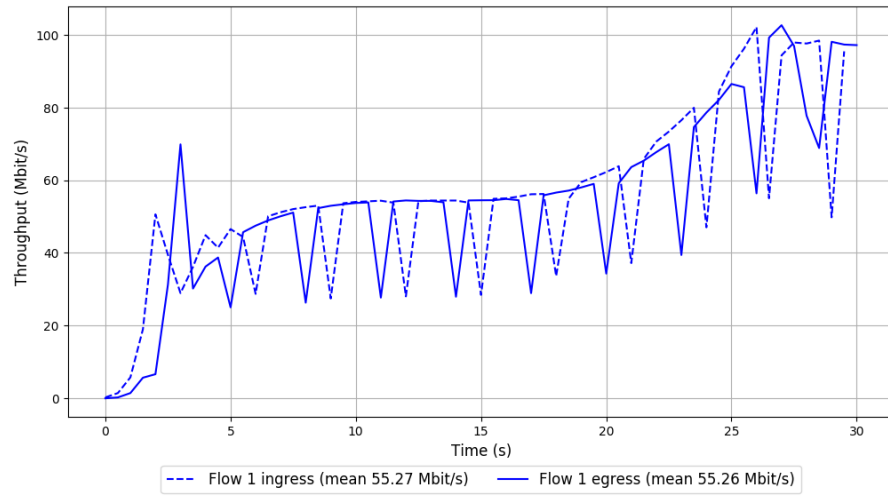
-- Flow 1:

Average throughput: 55.26 Mbit/s

95th percentile per-packet one-way delay: 143.054 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link

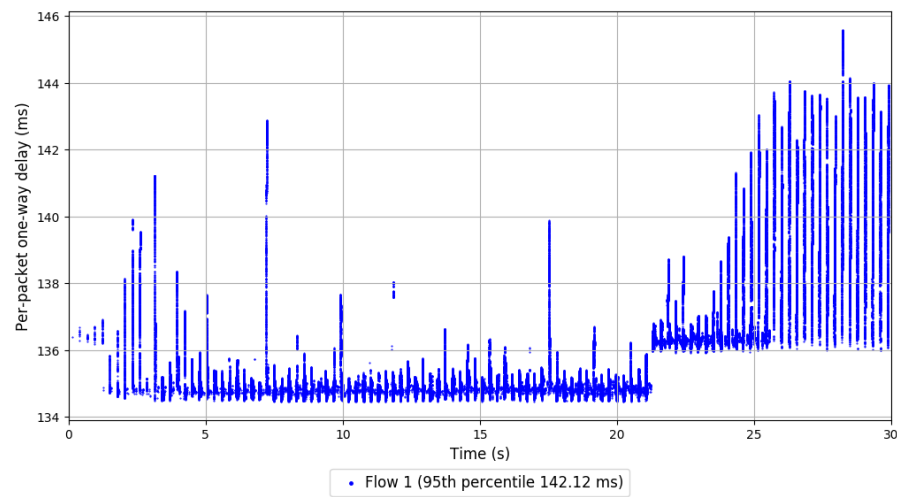
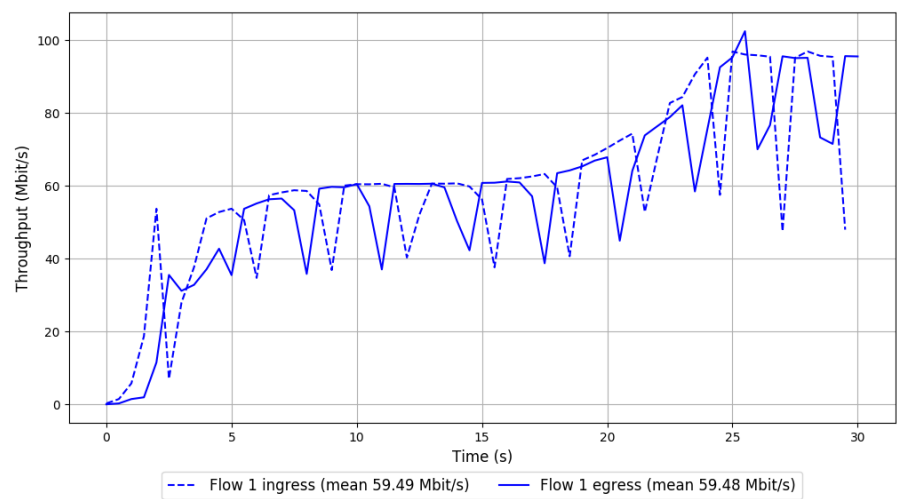


Run 8: Statistics of TCP Cubic

Start at: 2018-05-22 21:23:58
End at: 2018-05-22 21:24:28
Local clock offset: 0.161 ms
Remote clock offset: -0.457 ms

Below is generated by plot.py at 2018-05-22 22:32:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.48 Mbit/s
95th percentile per-packet one-way delay: 142.121 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.48 Mbit/s
95th percentile per-packet one-way delay: 142.121 ms
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link

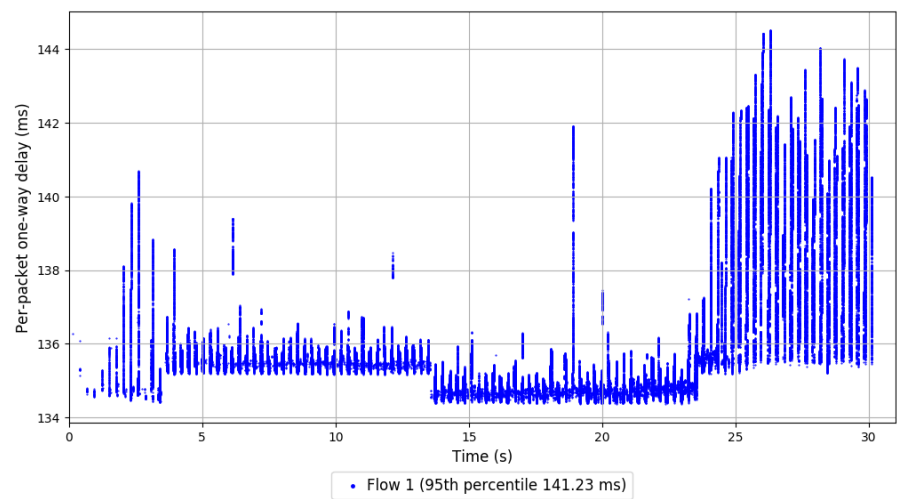
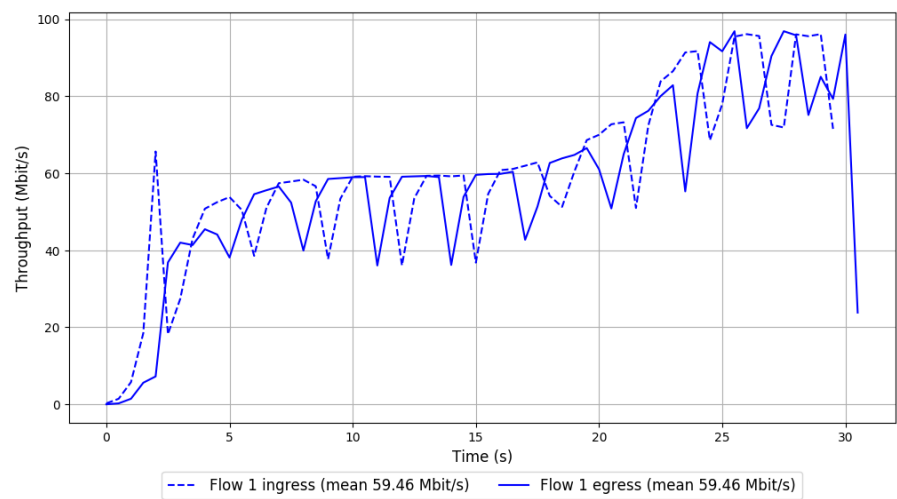


Run 9: Statistics of TCP Cubic

Start at: 2018-05-22 21:45:05
End at: 2018-05-22 21:45:35
Local clock offset: 0.204 ms
Remote clock offset: -0.418 ms

Below is generated by plot.py at 2018-05-22 22:32:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.46 Mbit/s
95th percentile per-packet one-way delay: 141.234 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.46 Mbit/s
95th percentile per-packet one-way delay: 141.234 ms
Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-05-22 22:06:40

End at: 2018-05-22 22:07:10

Local clock offset: 0.133 ms

Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-05-22 22:32:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.33 Mbit/s

95th percentile per-packet one-way delay: 137.147 ms

Loss rate: 0.00%

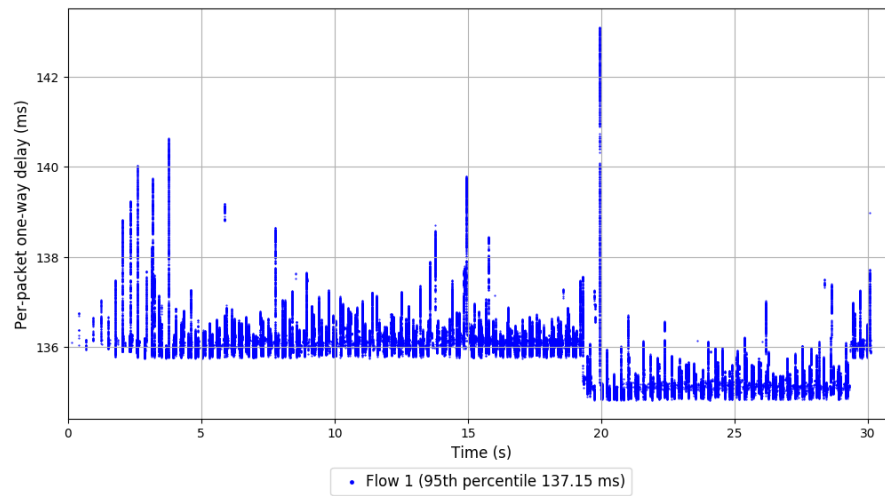
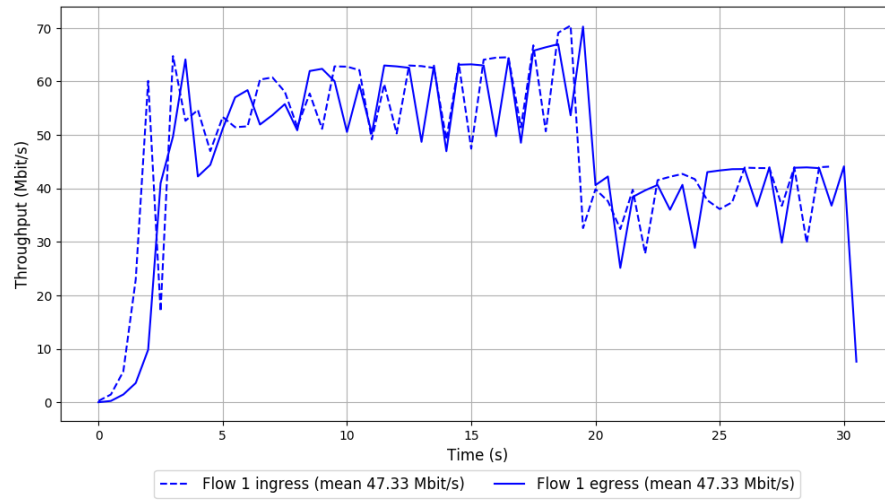
-- Flow 1:

Average throughput: 47.33 Mbit/s

95th percentile per-packet one-way delay: 137.147 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

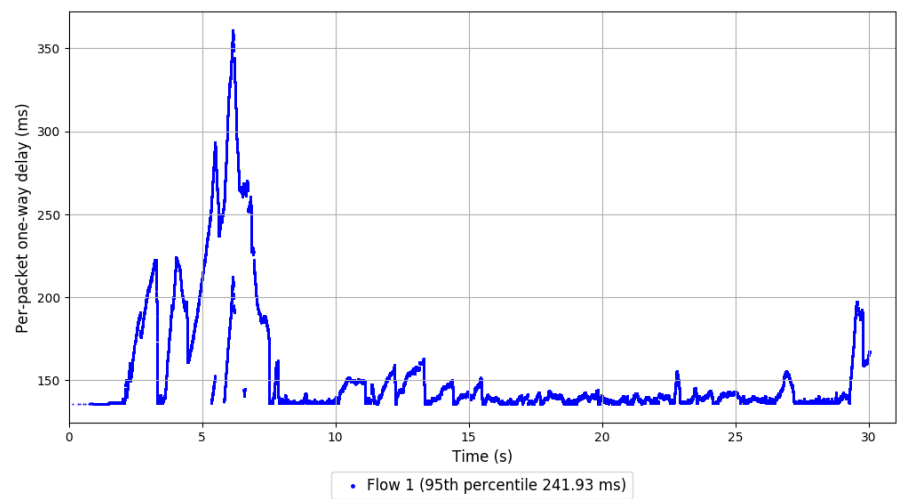
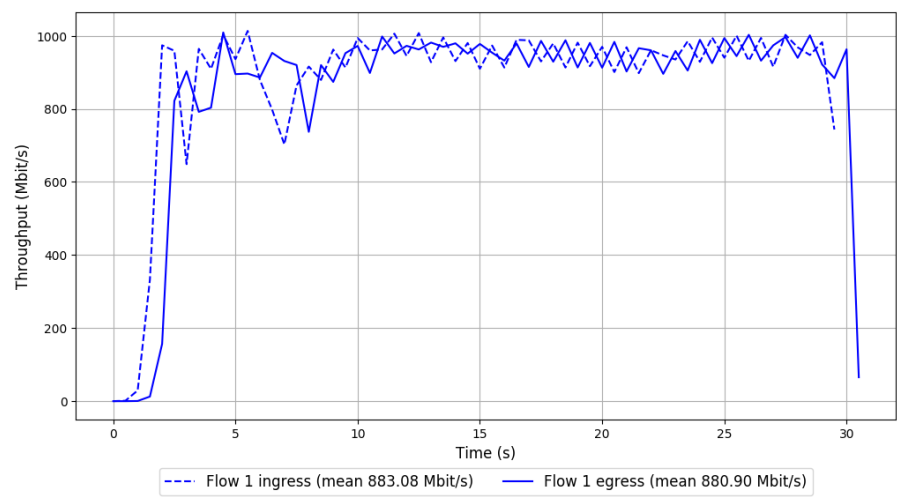


Run 1: Statistics of FillP

Start at: 2018-05-22 18:52:27
End at: 2018-05-22 18:52:57
Local clock offset: 0.074 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-05-22 22:47:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 880.90 Mbit/s
95th percentile per-packet one-way delay: 241.926 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 880.90 Mbit/s
95th percentile per-packet one-way delay: 241.926 ms
Loss rate: 0.25%

Run 1: Report of FillP — Data Link

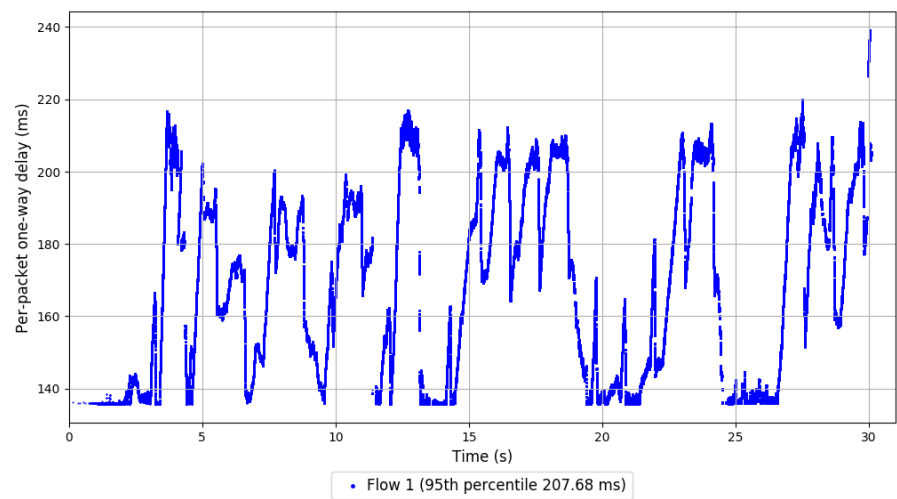
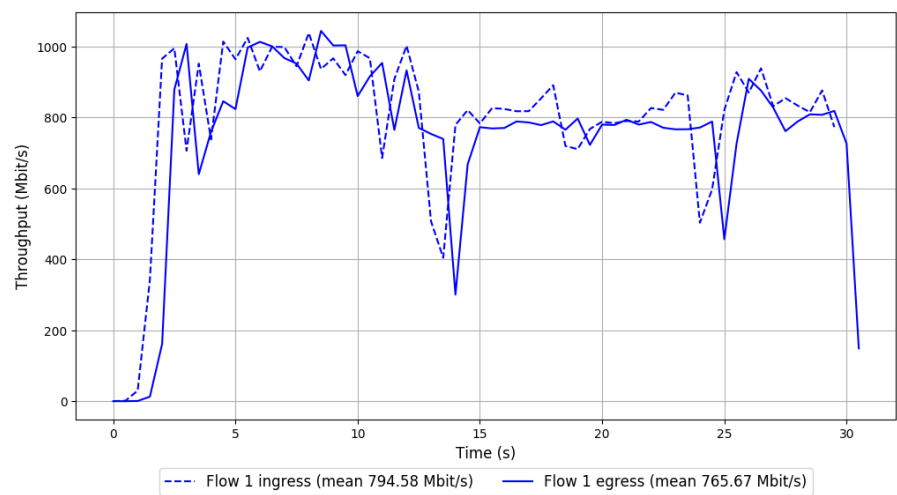


Run 2: Statistics of FillP

Start at: 2018-05-22 19:13:34
End at: 2018-05-22 19:14:04
Local clock offset: -0.388 ms
Remote clock offset: -0.403 ms

Below is generated by plot.py at 2018-05-22 22:47:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 765.67 Mbit/s
95th percentile per-packet one-way delay: 207.681 ms
Loss rate: 3.64%
-- Flow 1:
Average throughput: 765.67 Mbit/s
95th percentile per-packet one-way delay: 207.681 ms
Loss rate: 3.64%

Run 2: Report of FillP — Data Link

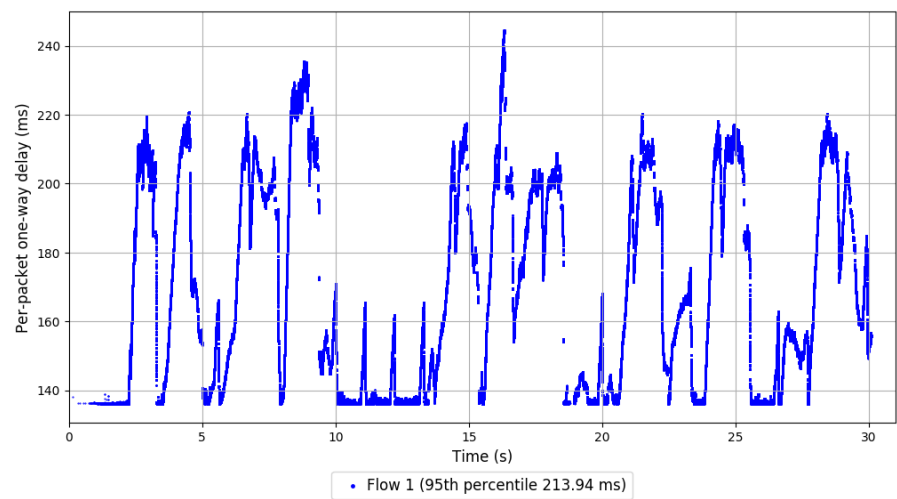
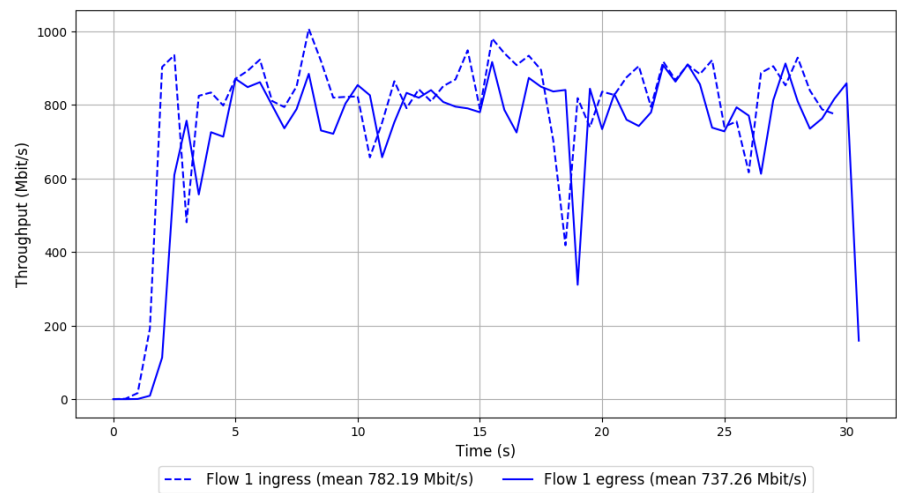


Run 3: Statistics of FillP

Start at: 2018-05-22 19:35:14
End at: 2018-05-22 19:35:44
Local clock offset: 0.074 ms
Remote clock offset: -0.363 ms

Below is generated by plot.py at 2018-05-22 22:47:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 737.26 Mbit/s
95th percentile per-packet one-way delay: 213.938 ms
Loss rate: 5.75%
-- Flow 1:
Average throughput: 737.26 Mbit/s
95th percentile per-packet one-way delay: 213.938 ms
Loss rate: 5.75%

Run 3: Report of FillP — Data Link

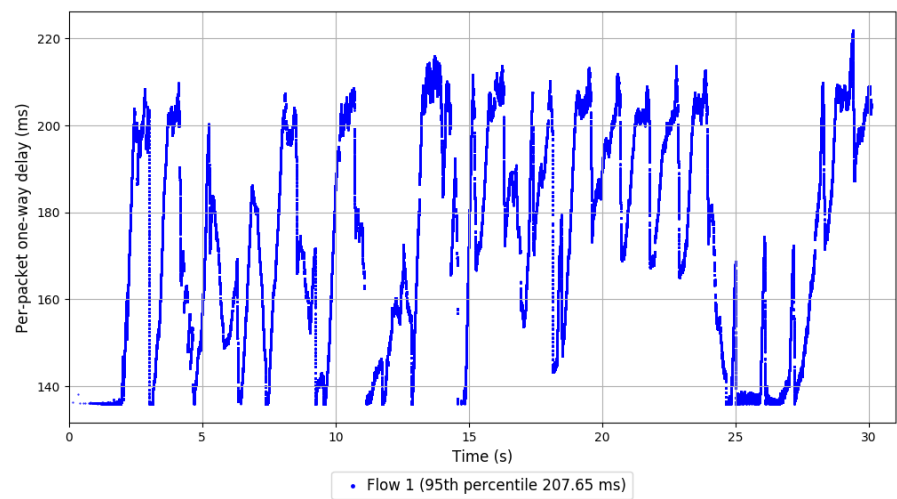
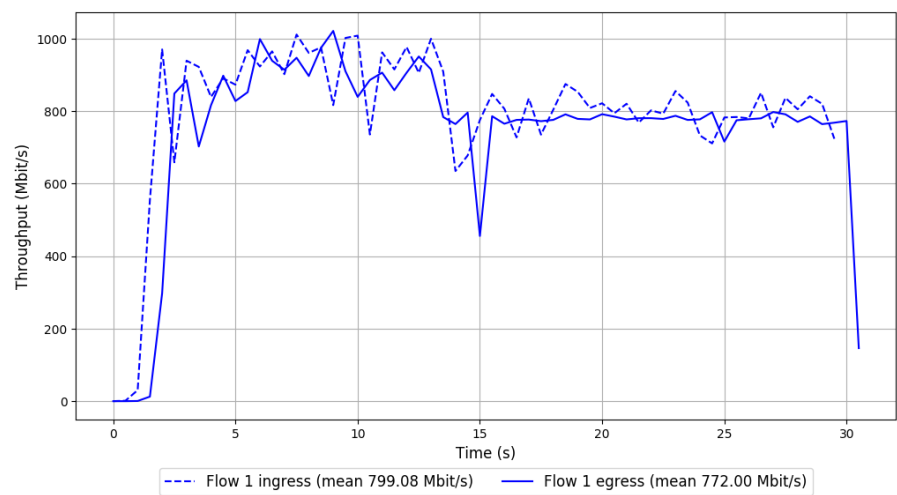


Run 4: Statistics of FillP

Start at: 2018-05-22 19:56:43
End at: 2018-05-22 19:57:13
Local clock offset: -0.037 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-05-22 22:47:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 772.00 Mbit/s
95th percentile per-packet one-way delay: 207.650 ms
Loss rate: 3.39%
-- Flow 1:
Average throughput: 772.00 Mbit/s
95th percentile per-packet one-way delay: 207.650 ms
Loss rate: 3.39%

Run 4: Report of FillP — Data Link

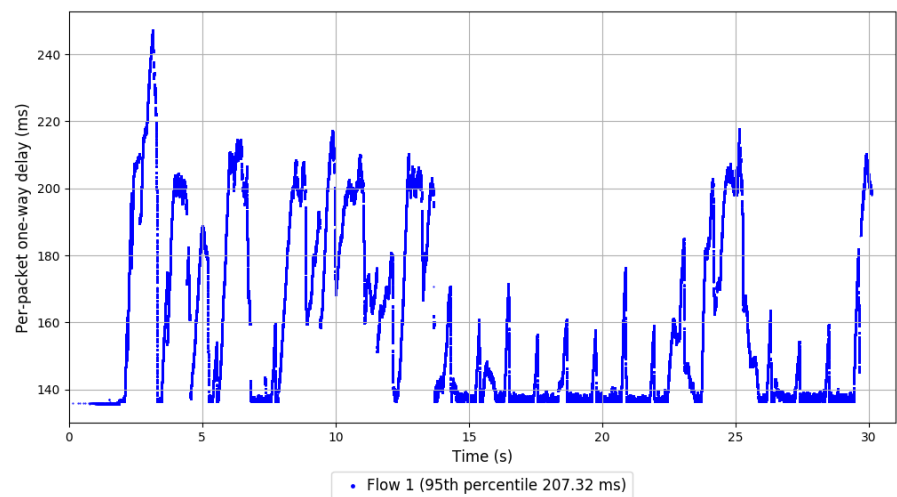
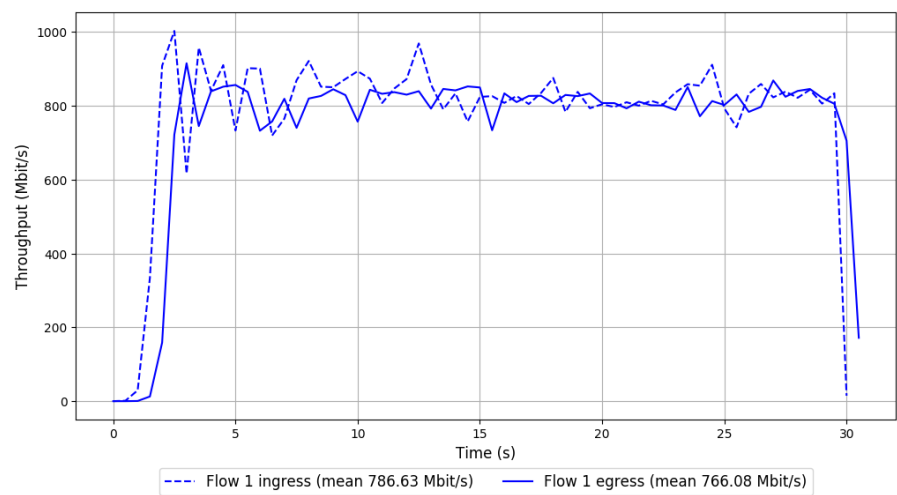


Run 5: Statistics of FillP

Start at: 2018-05-22 20:18:07
End at: 2018-05-22 20:18:37
Local clock offset: -0.302 ms
Remote clock offset: -0.481 ms

Below is generated by plot.py at 2018-05-22 22:47:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 766.08 Mbit/s
95th percentile per-packet one-way delay: 207.316 ms
Loss rate: 2.75%
-- Flow 1:
Average throughput: 766.08 Mbit/s
95th percentile per-packet one-way delay: 207.316 ms
Loss rate: 2.75%

Run 5: Report of FillP — Data Link

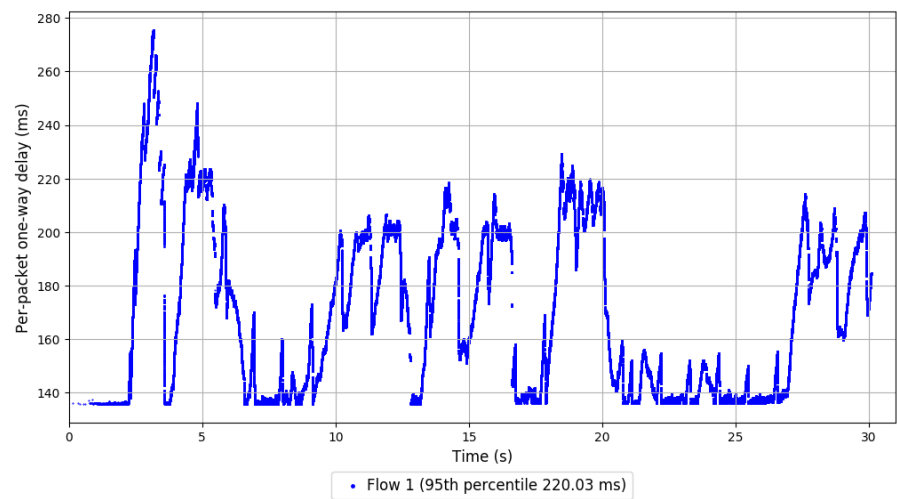
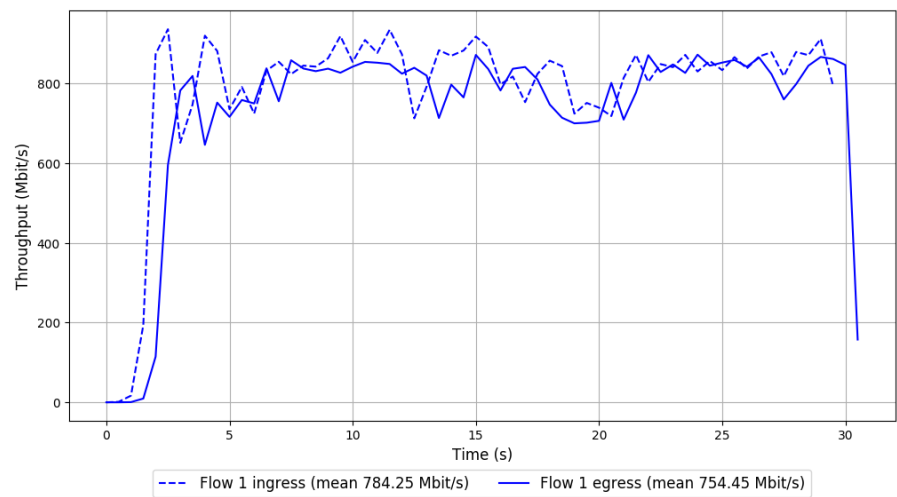


Run 6: Statistics of FillP

Start at: 2018-05-22 20:39:13
End at: 2018-05-22 20:39:43
Local clock offset: -0.184 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-05-22 22:47:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 754.45 Mbit/s
95th percentile per-packet one-way delay: 220.026 ms
Loss rate: 3.80%
-- Flow 1:
Average throughput: 754.45 Mbit/s
95th percentile per-packet one-way delay: 220.026 ms
Loss rate: 3.80%

Run 6: Report of FillP — Data Link

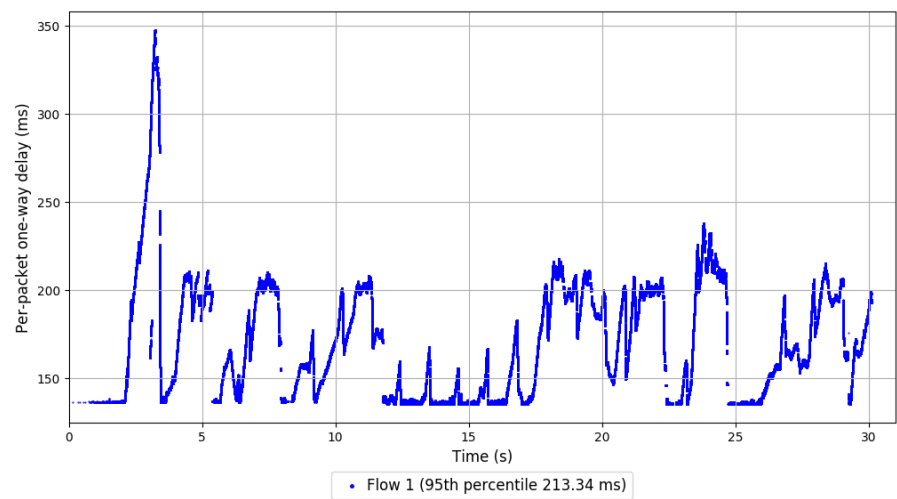
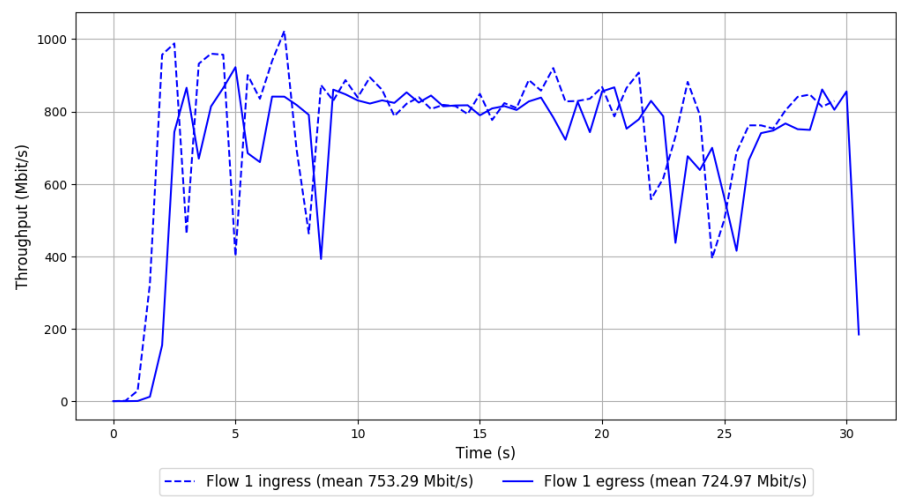


Run 7: Statistics of FillP

Start at: 2018-05-22 21:00:37
End at: 2018-05-22 21:01:07
Local clock offset: 0.144 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-05-22 22:47:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 724.97 Mbit/s
95th percentile per-packet one-way delay: 213.339 ms
Loss rate: 3.76%
-- Flow 1:
Average throughput: 724.97 Mbit/s
95th percentile per-packet one-way delay: 213.339 ms
Loss rate: 3.76%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-05-22 21:22:15

End at: 2018-05-22 21:22:45

Local clock offset: 0.122 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-05-22 22:49:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 745.13 Mbit/s

95th percentile per-packet one-way delay: 212.702 ms

Loss rate: 5.04%

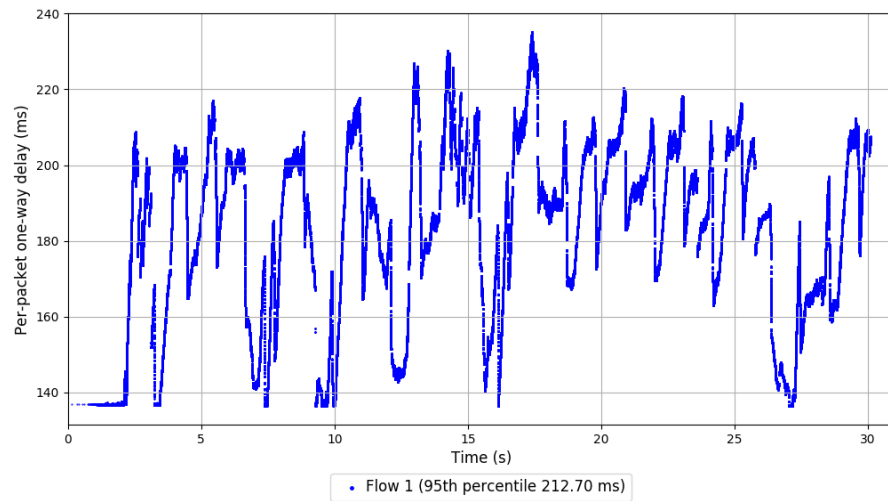
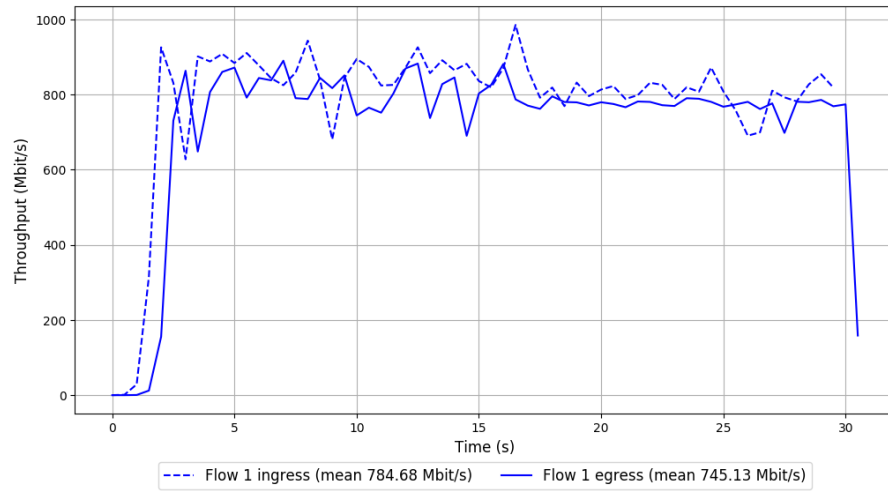
-- Flow 1:

Average throughput: 745.13 Mbit/s

95th percentile per-packet one-way delay: 212.702 ms

Loss rate: 5.04%

Run 8: Report of FillP — Data Link

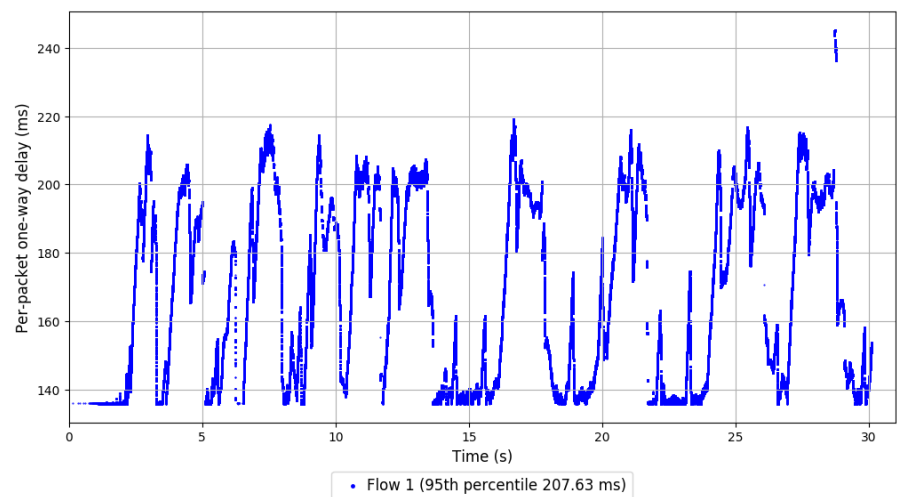
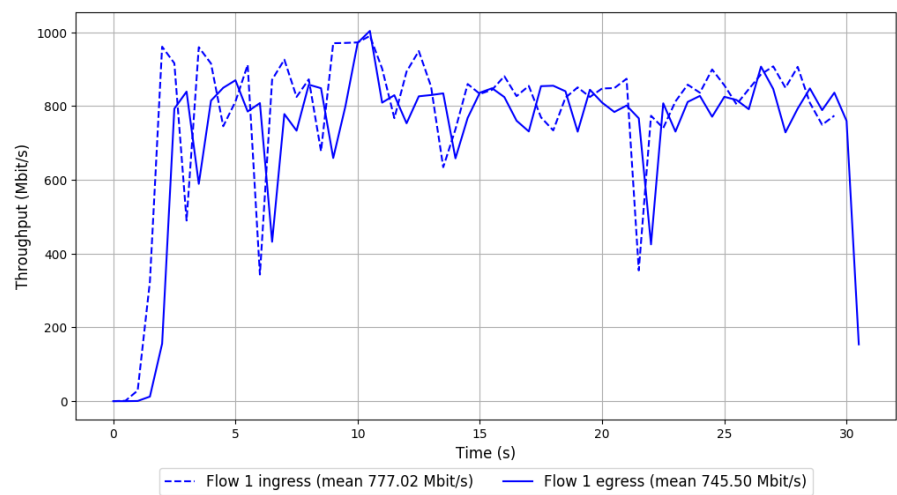


Run 9: Statistics of FillP

Start at: 2018-05-22 21:43:22
End at: 2018-05-22 21:43:52
Local clock offset: 0.292 ms
Remote clock offset: -0.408 ms

Below is generated by plot.py at 2018-05-22 23:01:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 745.50 Mbit/s
95th percentile per-packet one-way delay: 207.635 ms
Loss rate: 4.06%
-- Flow 1:
Average throughput: 745.50 Mbit/s
95th percentile per-packet one-way delay: 207.635 ms
Loss rate: 4.06%

Run 9: Report of FillP — Data Link

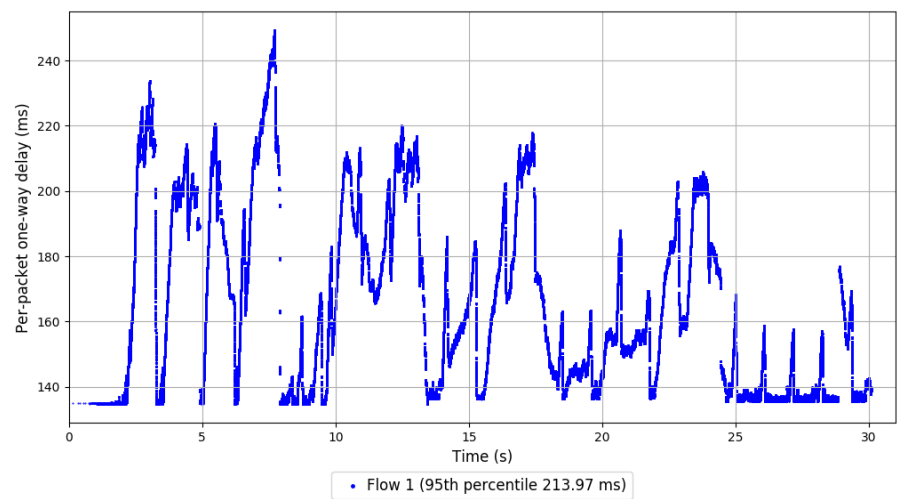
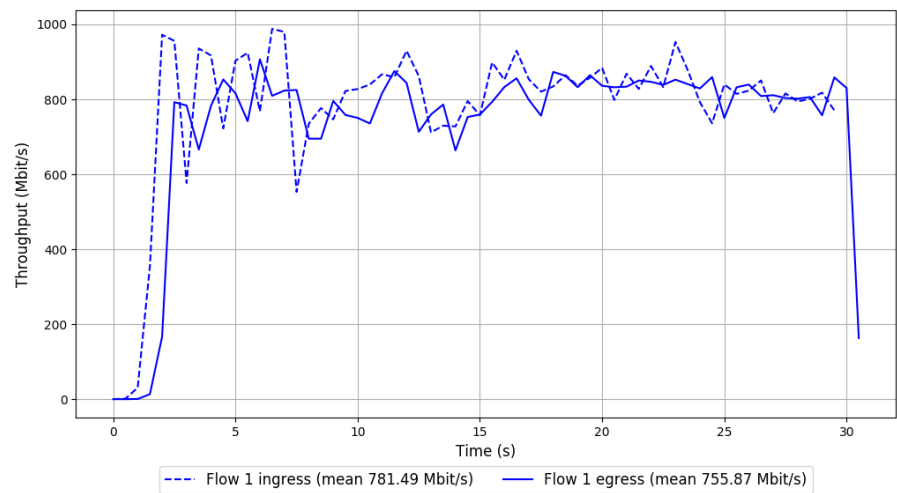


Run 10: Statistics of FillP

Start at: 2018-05-22 22:04:55
End at: 2018-05-22 22:05:25
Local clock offset: 0.244 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-05-22 23:01:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 755.87 Mbit/s
95th percentile per-packet one-way delay: 213.967 ms
Loss rate: 3.28%
-- Flow 1:
Average throughput: 755.87 Mbit/s
95th percentile per-packet one-way delay: 213.967 ms
Loss rate: 3.28%

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo

Start at: 2018-05-22 19:00:22

End at: 2018-05-22 19:00:52

Local clock offset: 0.042 ms

Remote clock offset: -0.157 ms

Below is generated by plot.py at 2018-05-22 23:01:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 107.82 Mbit/s

95th percentile per-packet one-way delay: 136.449 ms

Loss rate: 0.00%

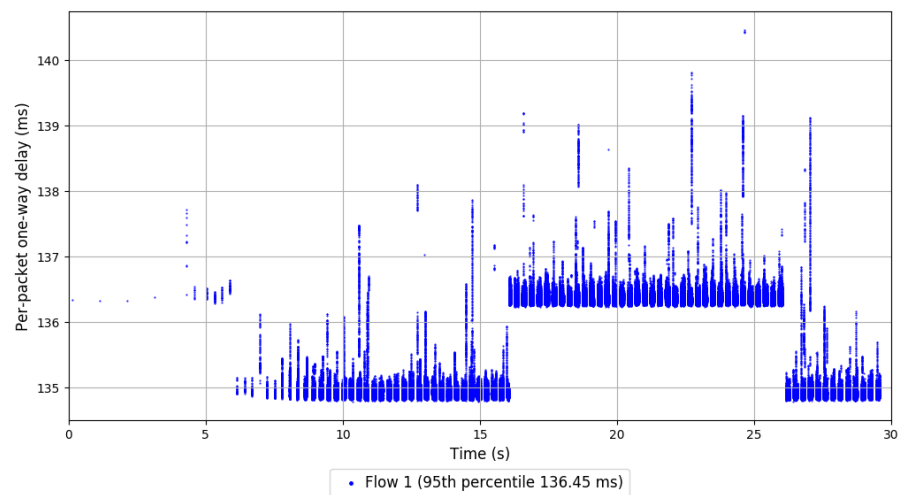
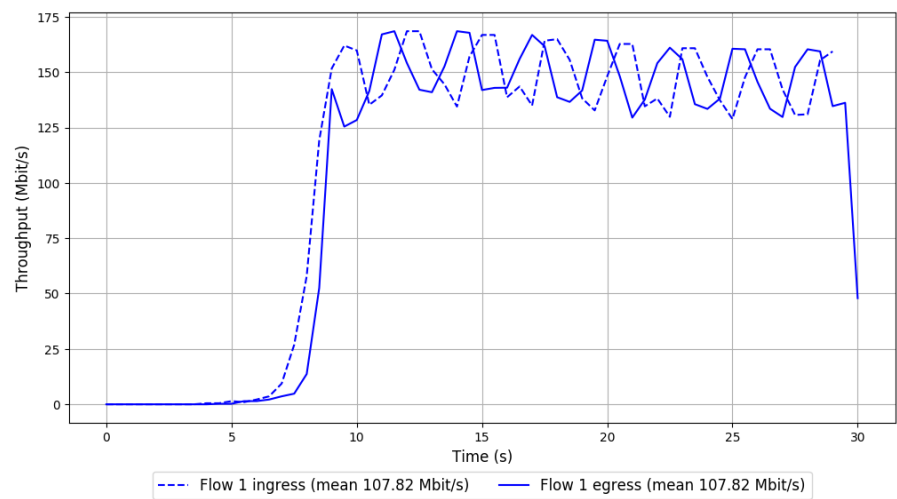
-- Flow 1:

Average throughput: 107.82 Mbit/s

95th percentile per-packet one-way delay: 136.449 ms

Loss rate: 0.00%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-05-22 19:21:24

End at: 2018-05-22 19:21:54

Local clock offset: -0.038 ms

Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-05-22 23:01:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 140.16 Mbit/s

95th percentile per-packet one-way delay: 136.250 ms

Loss rate: 0.00%

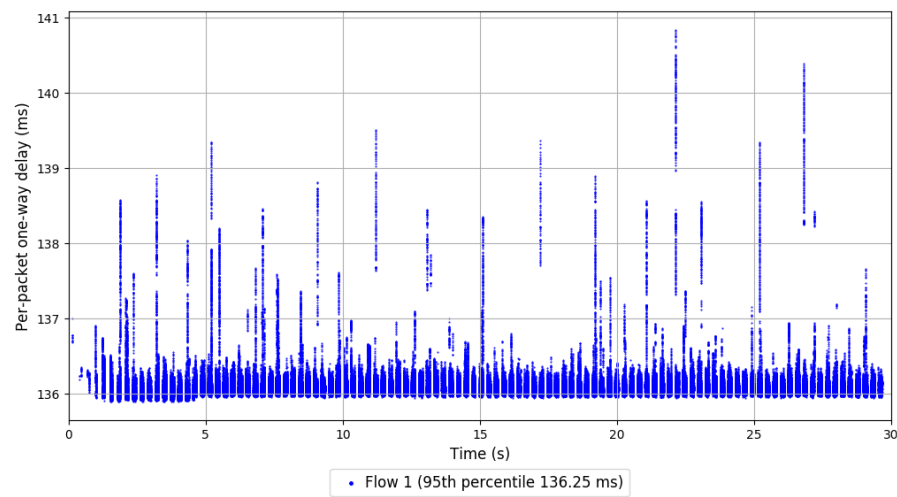
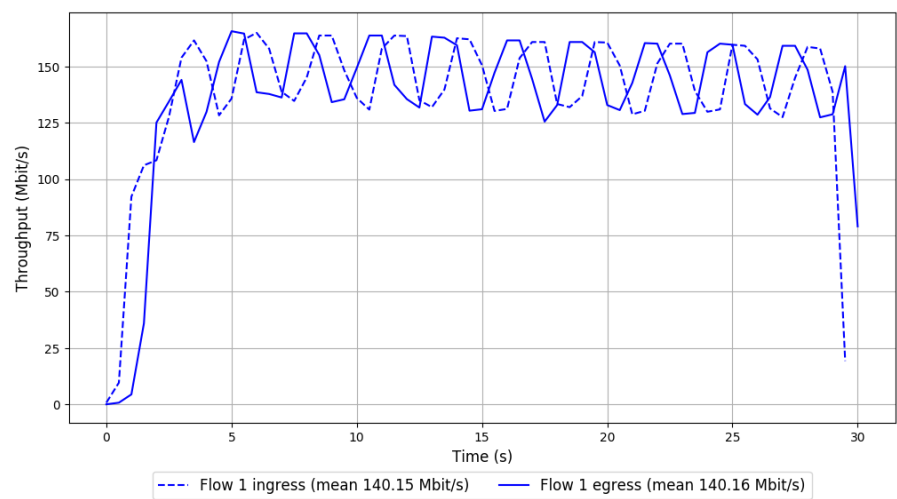
-- Flow 1:

Average throughput: 140.16 Mbit/s

95th percentile per-packet one-way delay: 136.250 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

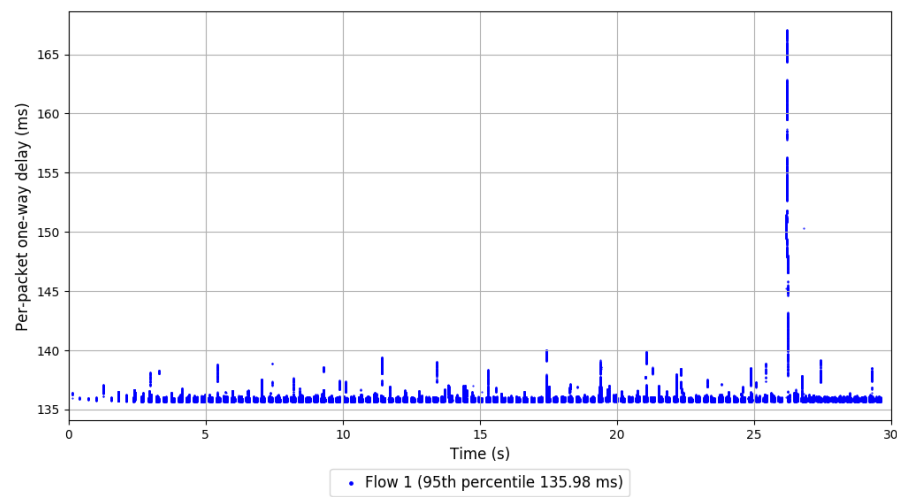
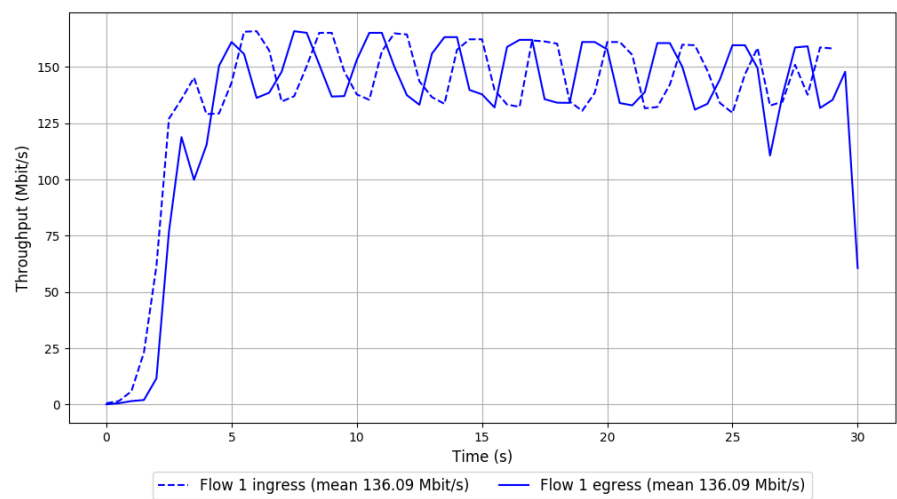


Run 3: Statistics of Indigo

Start at: 2018-05-22 19:43:02
End at: 2018-05-22 19:43:32
Local clock offset: -0.129 ms
Remote clock offset: -0.377 ms

Below is generated by plot.py at 2018-05-22 23:01:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 136.09 Mbit/s
95th percentile per-packet one-way delay: 135.983 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 136.09 Mbit/s
95th percentile per-packet one-way delay: 135.983 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-05-22 20:04:29

End at: 2018-05-22 20:04:59

Local clock offset: 0.09 ms

Remote clock offset: -0.45 ms

Below is generated by plot.py at 2018-05-22 23:01:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.80 Mbit/s

95th percentile per-packet one-way delay: 135.687 ms

Loss rate: 0.00%

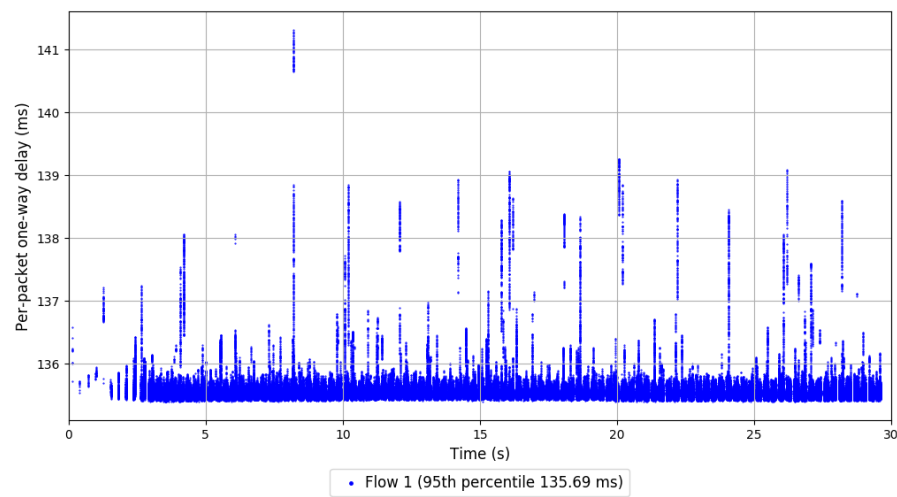
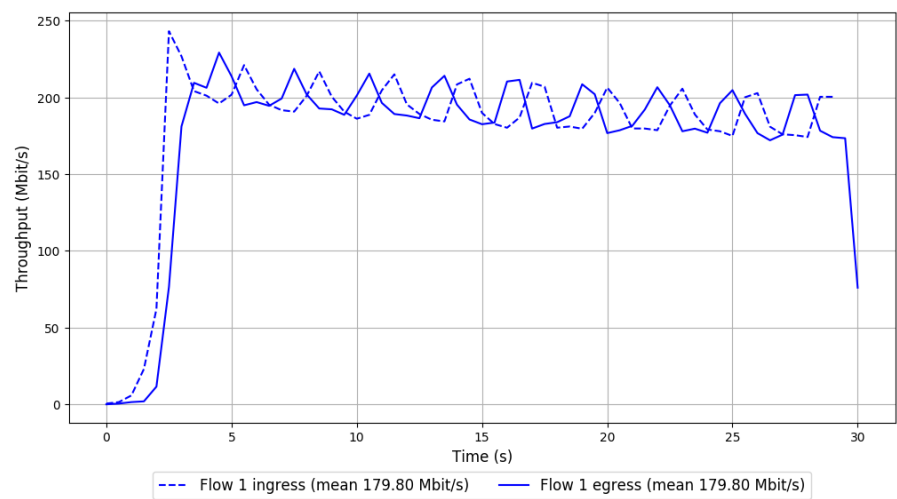
-- Flow 1:

Average throughput: 179.80 Mbit/s

95th percentile per-packet one-way delay: 135.687 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-05-22 20:25:56

End at: 2018-05-22 20:26:26

Local clock offset: 0.033 ms

Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-05-22 23:01:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 178.49 Mbit/s

95th percentile per-packet one-way delay: 136.494 ms

Loss rate: 0.00%

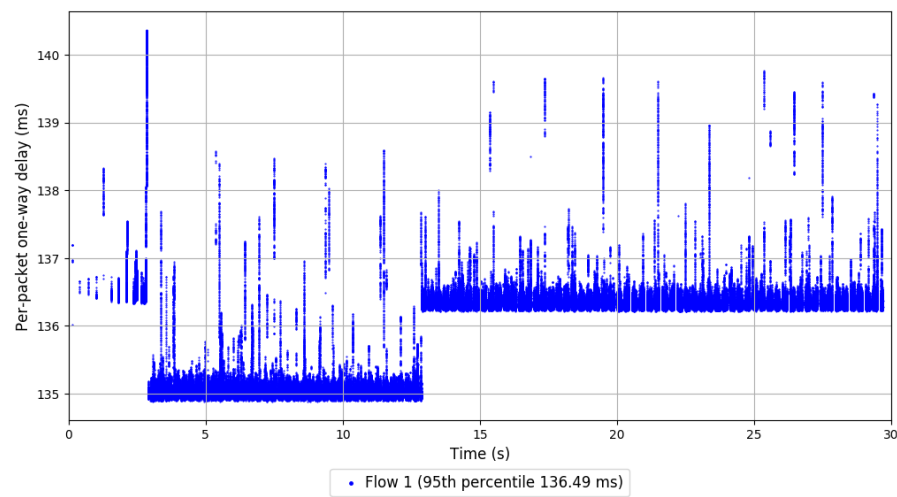
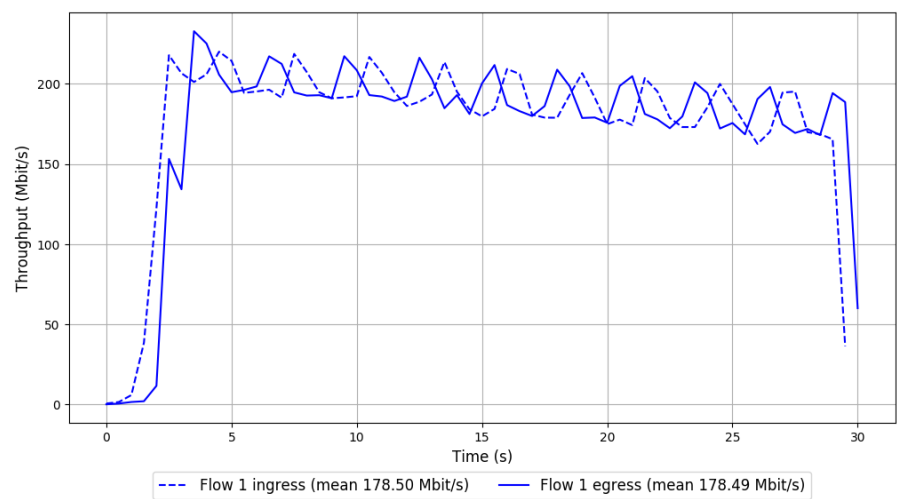
-- Flow 1:

Average throughput: 178.49 Mbit/s

95th percentile per-packet one-way delay: 136.494 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-05-22 20:46:58

End at: 2018-05-22 20:47:28

Local clock offset: -0.365 ms

Remote clock offset: -0.48 ms

Below is generated by plot.py at 2018-05-22 23:01:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 171.25 Mbit/s

95th percentile per-packet one-way delay: 136.635 ms

Loss rate: 0.00%

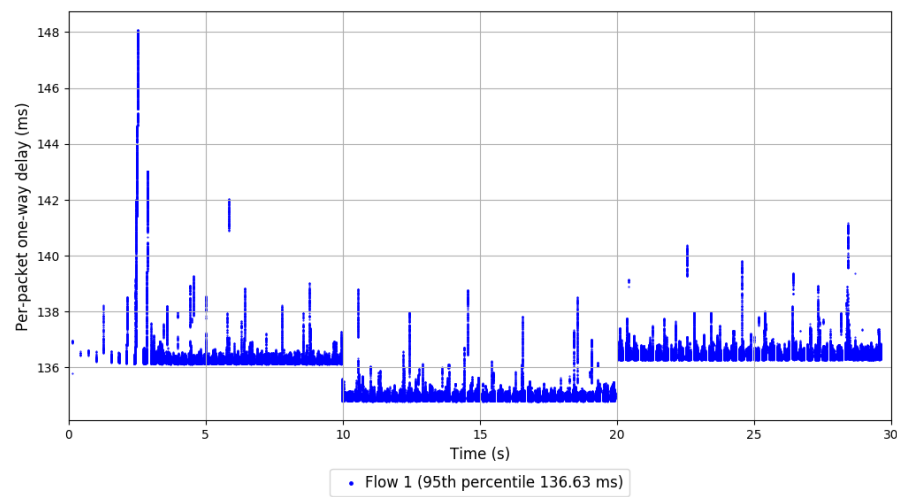
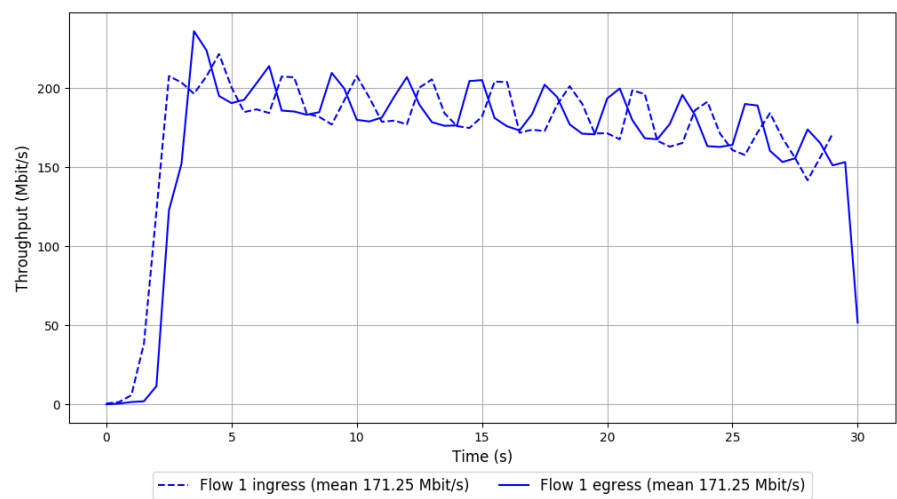
-- Flow 1:

Average throughput: 171.25 Mbit/s

95th percentile per-packet one-way delay: 136.635 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

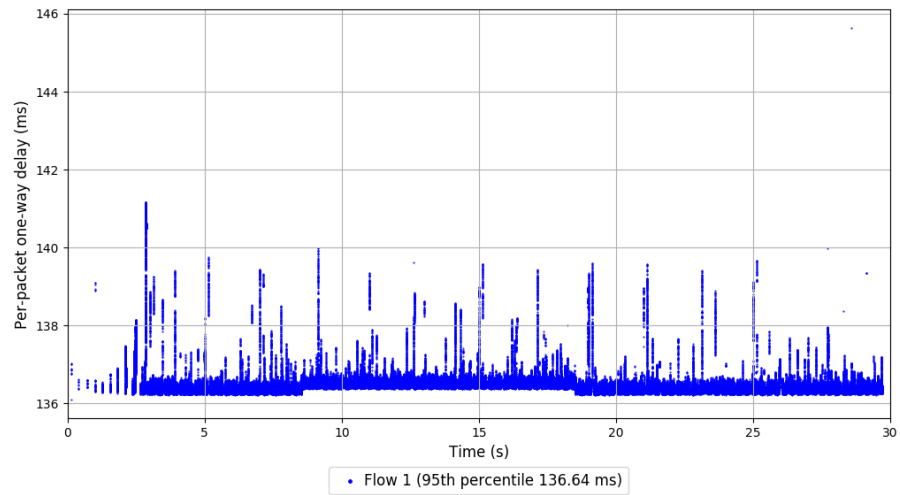
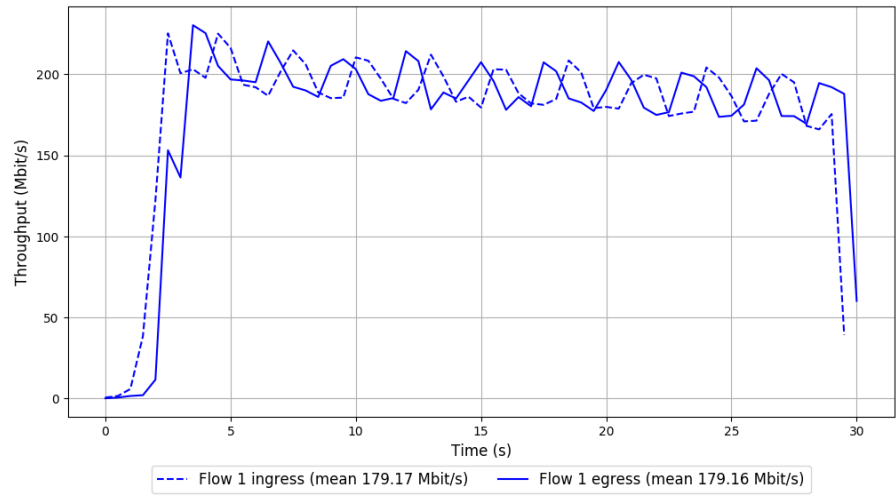


Run 7: Statistics of Indigo

Start at: 2018-05-22 21:08:20
End at: 2018-05-22 21:08:50
Local clock offset: 0.065 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-05-22 23:01:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 179.16 Mbit/s
95th percentile per-packet one-way delay: 136.640 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 179.16 Mbit/s
95th percentile per-packet one-way delay: 136.640 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-05-22 21:30:00

End at: 2018-05-22 21:30:30

Local clock offset: 0.181 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-05-22 23:01:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.86 Mbit/s

95th percentile per-packet one-way delay: 136.480 ms

Loss rate: 0.00%

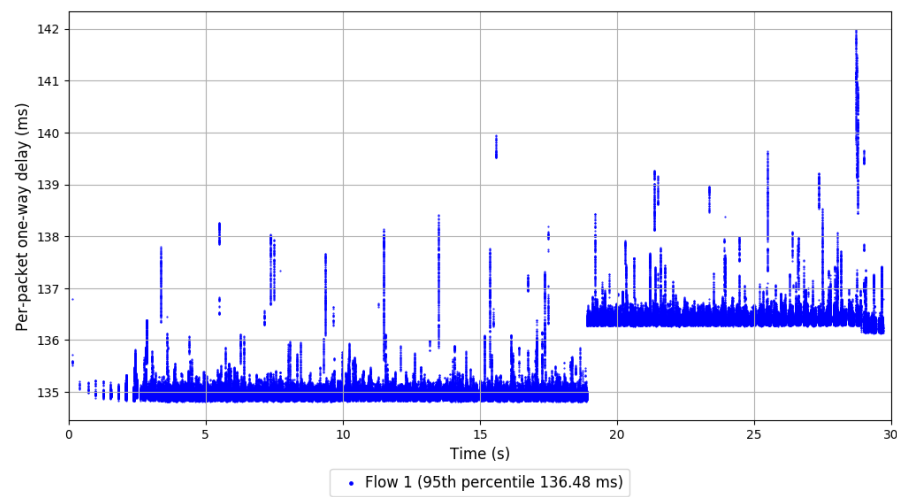
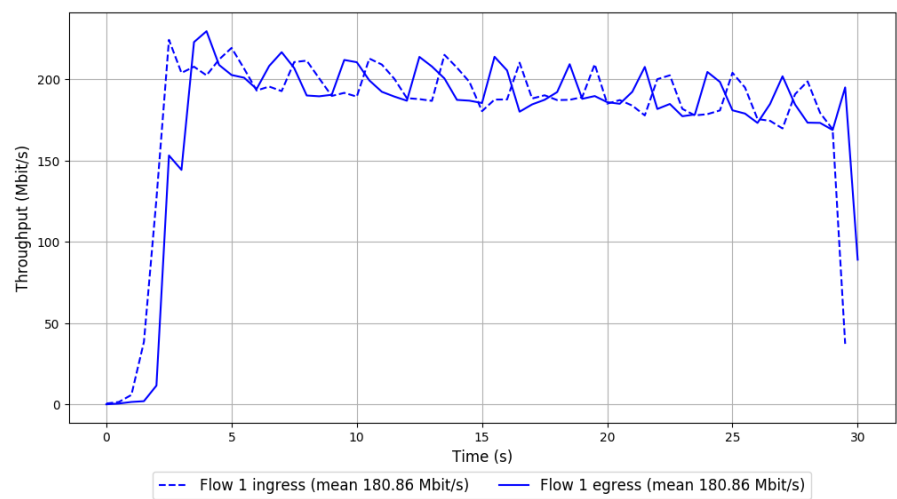
-- Flow 1:

Average throughput: 180.86 Mbit/s

95th percentile per-packet one-way delay: 136.480 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

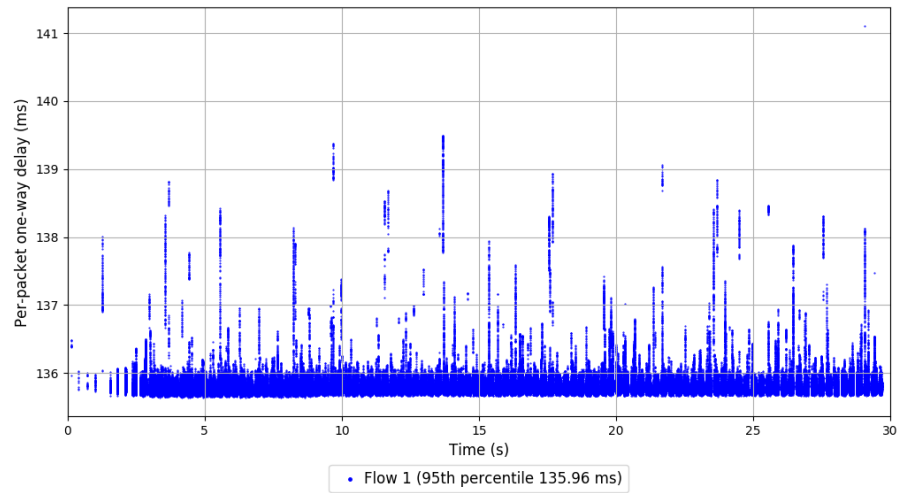
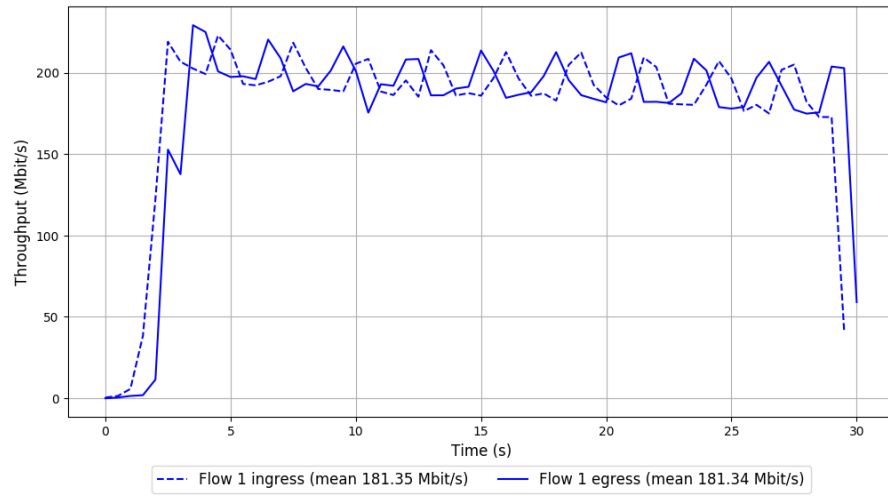


Run 9: Statistics of Indigo

Start at: 2018-05-22 21:51:09
End at: 2018-05-22 21:51:39
Local clock offset: 0.113 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-05-22 23:01:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.34 Mbit/s
95th percentile per-packet one-way delay: 135.959 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 181.34 Mbit/s
95th percentile per-packet one-way delay: 135.959 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-05-22 22:12:40

End at: 2018-05-22 22:13:10

Local clock offset: 0.158 ms

Remote clock offset: 0.314 ms

Below is generated by plot.py at 2018-05-22 23:01:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 150.25 Mbit/s

95th percentile per-packet one-way delay: 136.319 ms

Loss rate: 0.00%

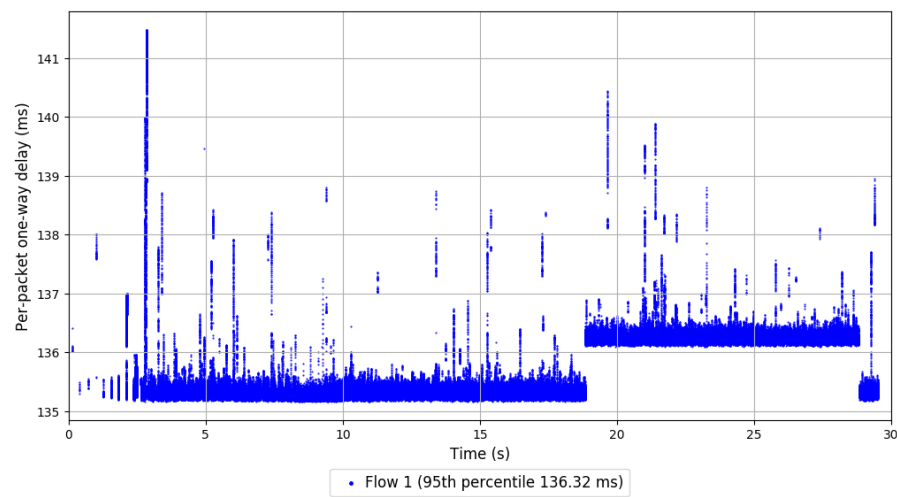
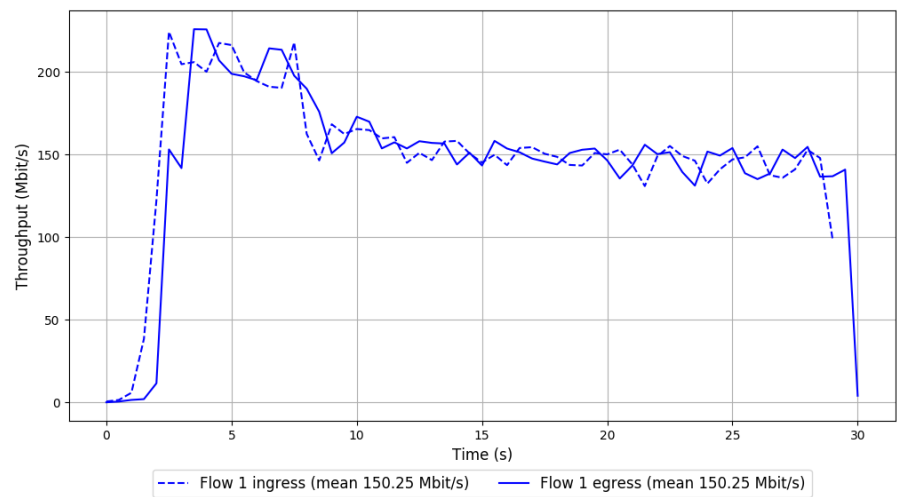
-- Flow 1:

Average throughput: 150.25 Mbit/s

95th percentile per-packet one-way delay: 136.319 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

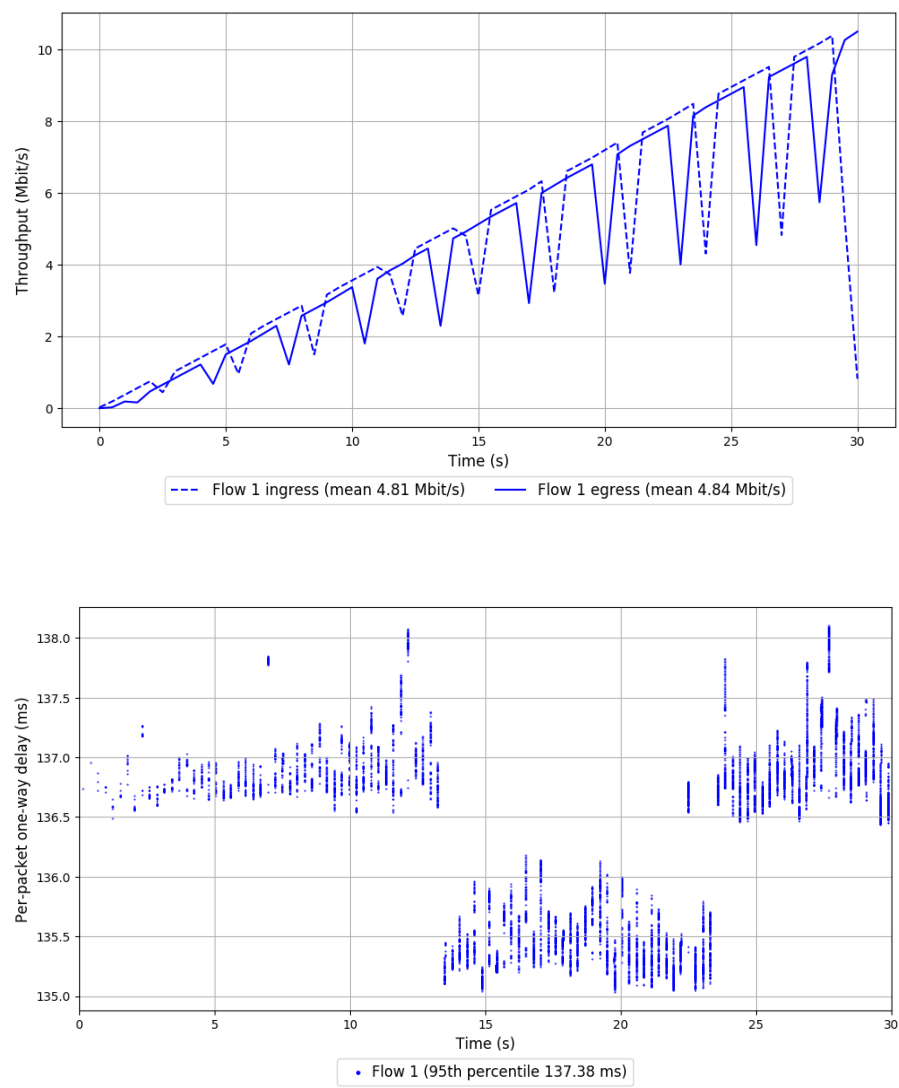


```
Run 1: Statistics of LEDBAT

Start at: 2018-05-22 18:40:15
End at: 2018-05-22 18:40:46
Local clock offset: -0.046 ms
Remote clock offset: -0.073 ms

# Below is generated by plot.py at 2018-05-22 23:01:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 137.385 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 137.385 ms
Loss rate: 0.28%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-05-22 19:01:39

End at: 2018-05-22 19:02:09

Local clock offset: 0.054 ms

Remote clock offset: 0.296 ms

Below is generated by plot.py at 2018-05-22 23:01:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.56 Mbit/s

95th percentile per-packet one-way delay: 137.881 ms

Loss rate: 0.00%

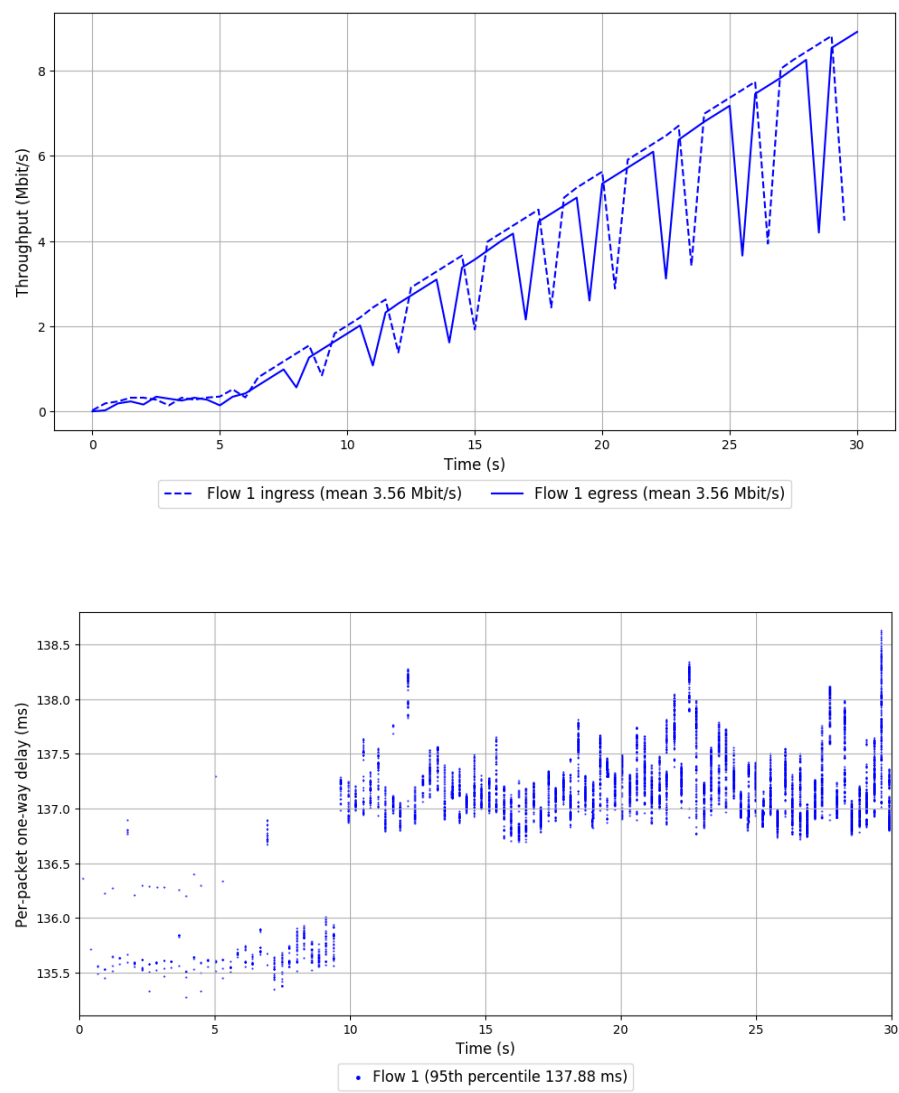
-- Flow 1:

Average throughput: 3.56 Mbit/s

95th percentile per-packet one-way delay: 137.881 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

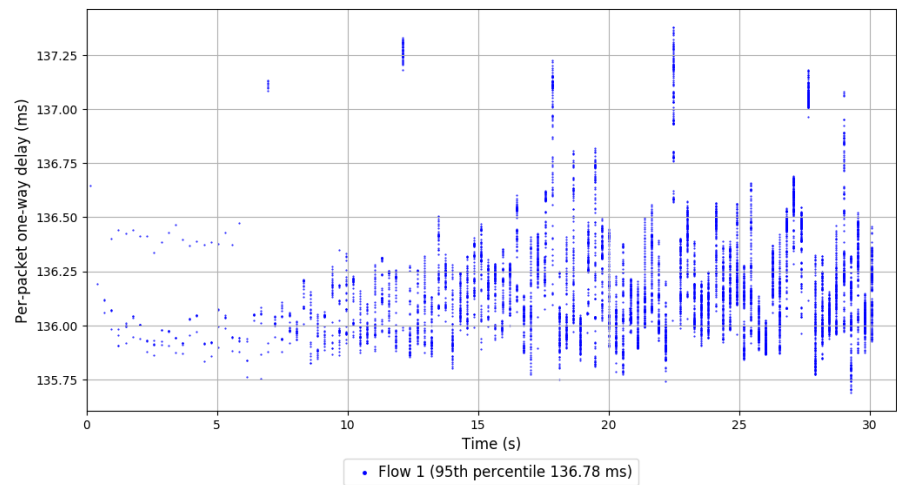
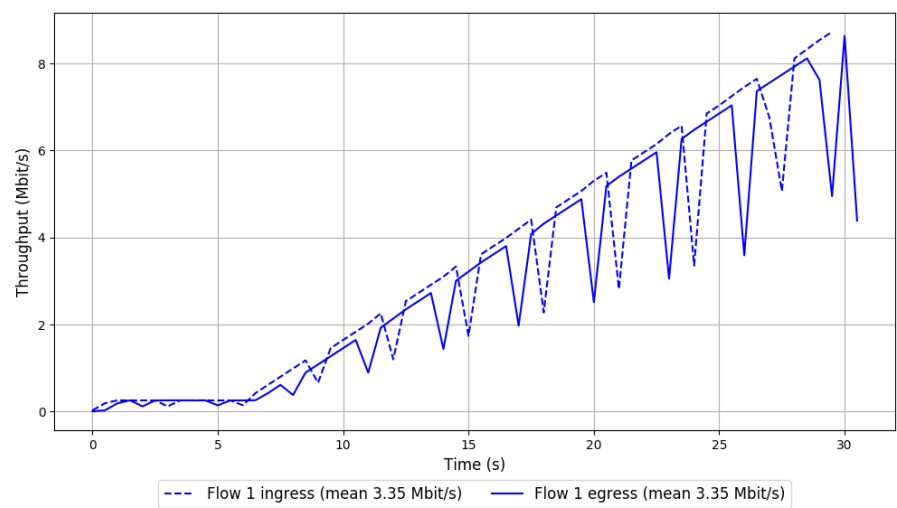


Run 3: Statistics of LEDBAT

Start at: 2018-05-22 19:22:43
End at: 2018-05-22 19:23:13
Local clock offset: -0.194 ms
Remote clock offset: -0.405 ms

Below is generated by plot.py at 2018-05-22 23:01:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.35 Mbit/s
95th percentile per-packet one-way delay: 136.782 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.35 Mbit/s
95th percentile per-packet one-way delay: 136.782 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-05-22 19:44:20

End at: 2018-05-22 19:44:50

Local clock offset: -0.184 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-05-22 23:01:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.59 Mbit/s

95th percentile per-packet one-way delay: 137.471 ms

Loss rate: 0.00%

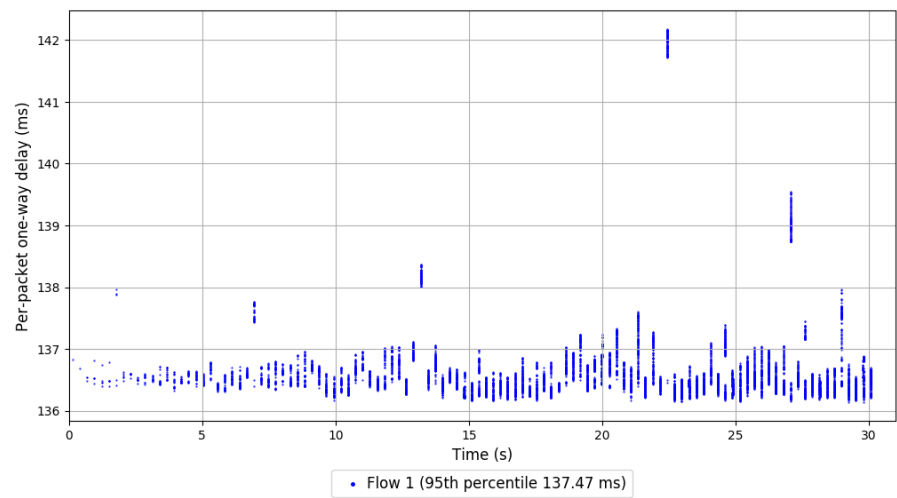
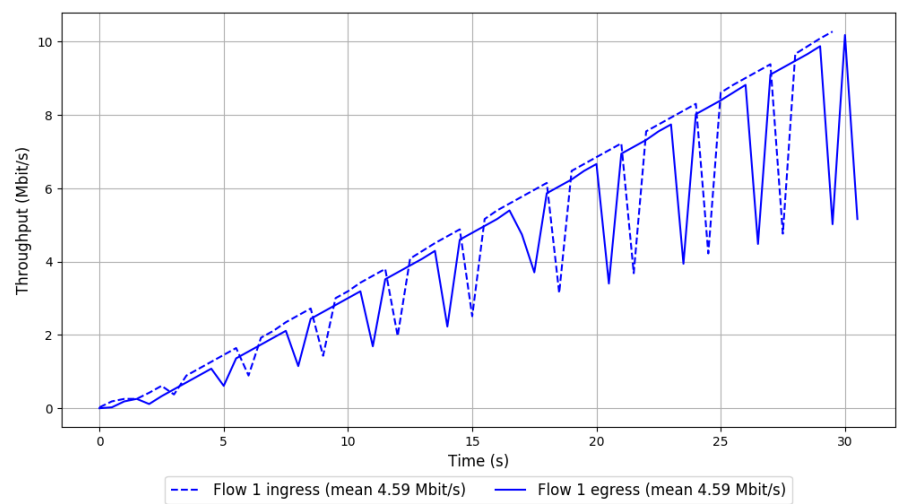
-- Flow 1:

Average throughput: 4.59 Mbit/s

95th percentile per-packet one-way delay: 137.471 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

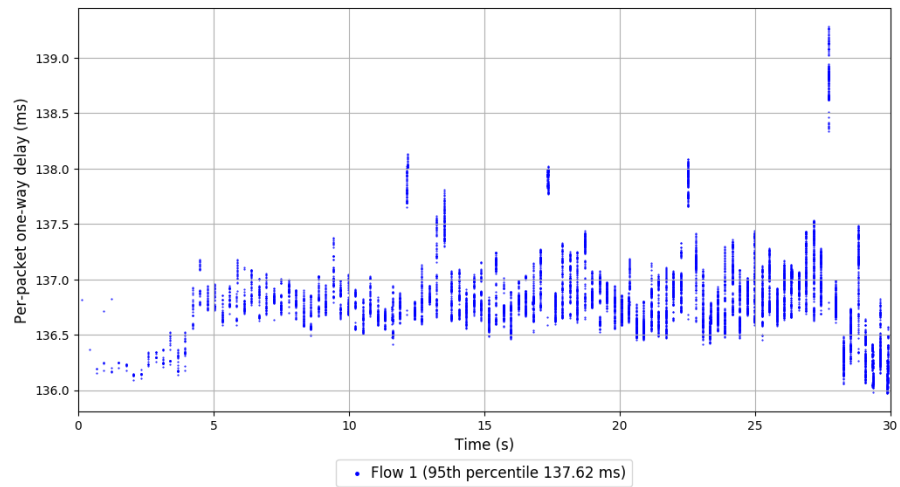
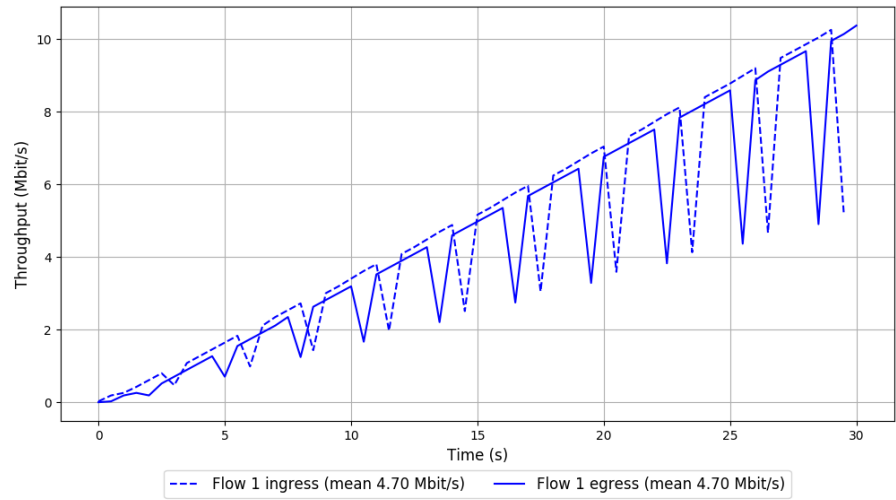


Run 5: Statistics of LEDBAT

Start at: 2018-05-22 20:05:51
End at: 2018-05-22 20:06:21
Local clock offset: 0.023 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-05-22 23:01:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.70 Mbit/s
95th percentile per-packet one-way delay: 137.624 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.70 Mbit/s
95th percentile per-packet one-way delay: 137.624 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

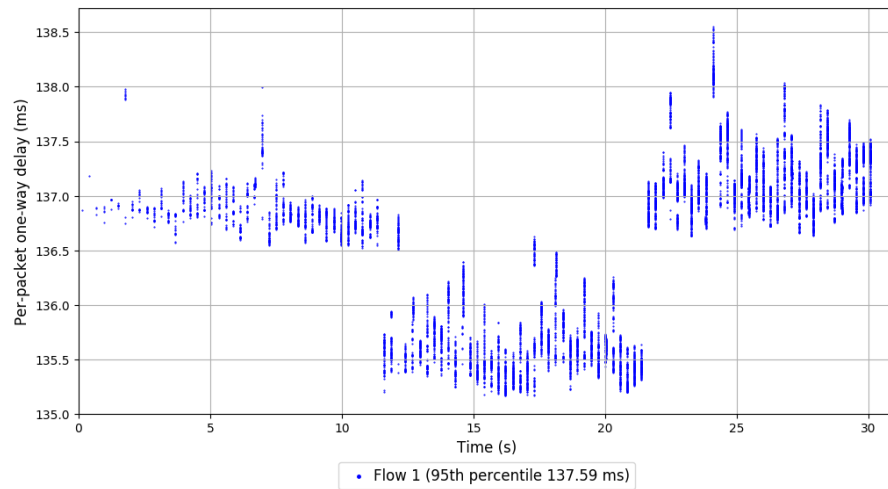
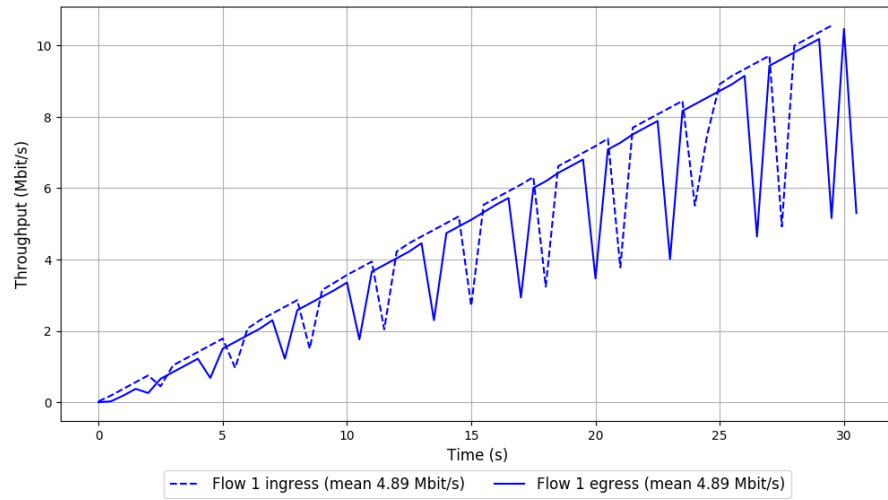


Run 6: Statistics of LEDBAT

Start at: 2018-05-22 20:27:17
End at: 2018-05-22 20:27:47
Local clock offset: -0.217 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-05-22 23:01:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.89 Mbit/s
95th percentile per-packet one-way delay: 137.586 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.89 Mbit/s
95th percentile per-packet one-way delay: 137.586 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-05-22 20:48:20

End at: 2018-05-22 20:48:50

Local clock offset: -0.214 ms

Remote clock offset: -0.48 ms

Below is generated by plot.py at 2018-05-22 23:01:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.15 Mbit/s

95th percentile per-packet one-way delay: 137.516 ms

Loss rate: 0.00%

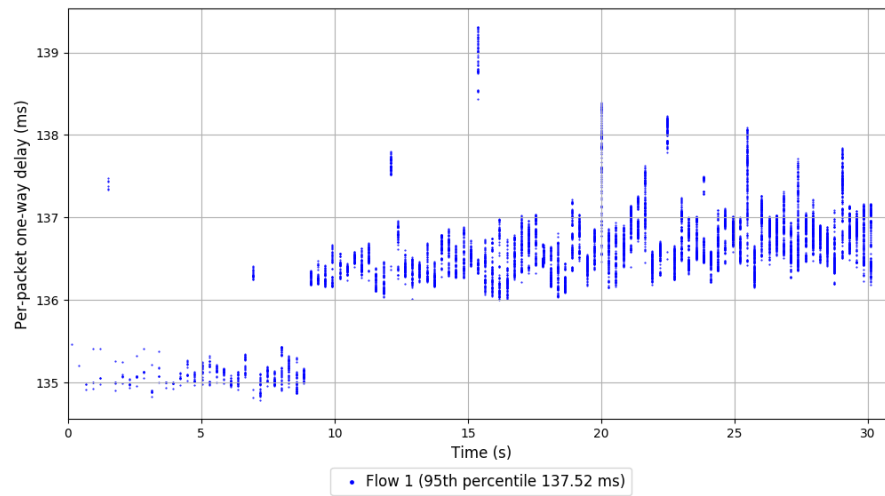
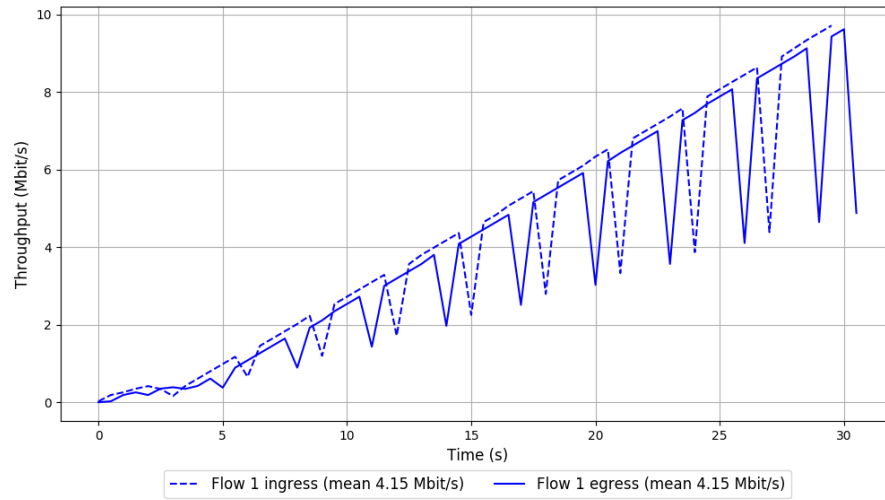
-- Flow 1:

Average throughput: 4.15 Mbit/s

95th percentile per-packet one-way delay: 137.516 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

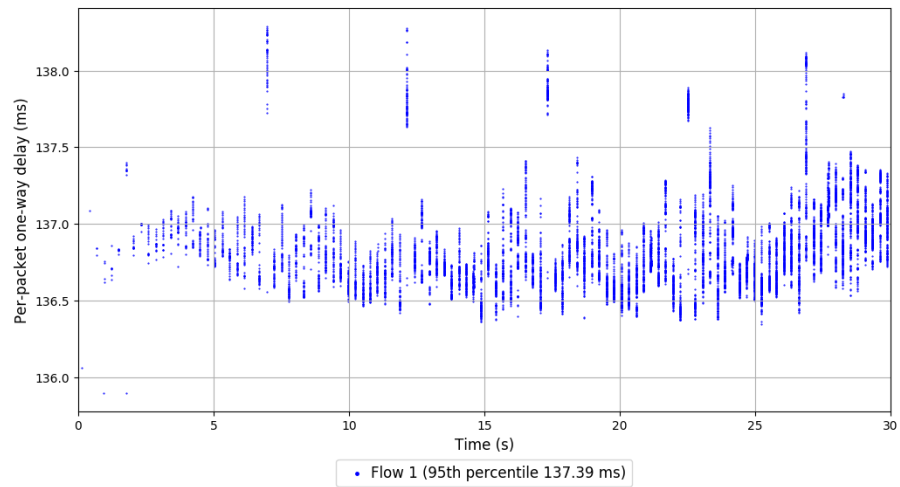
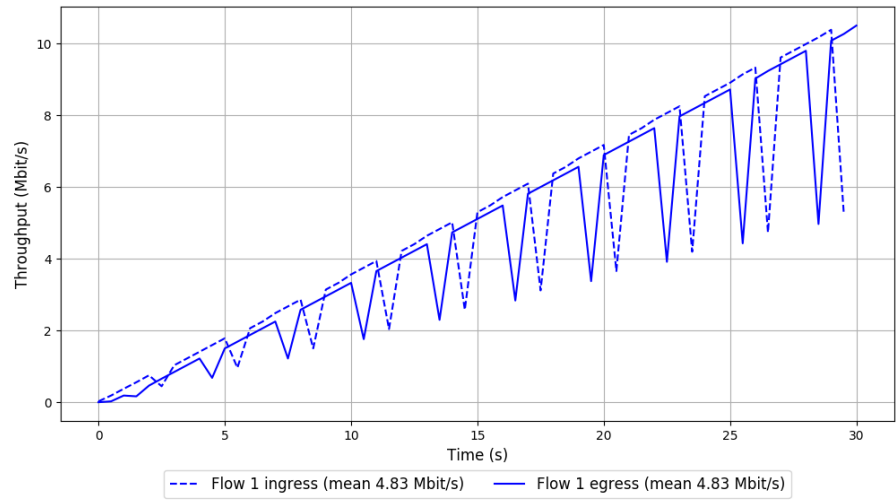


Run 8: Statistics of LEDBAT

Start at: 2018-05-22 21:09:42
End at: 2018-05-22 21:10:12
Local clock offset: -0.075 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-05-22 23:01:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.83 Mbit/s
95th percentile per-packet one-way delay: 137.392 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.83 Mbit/s
95th percentile per-packet one-way delay: 137.392 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

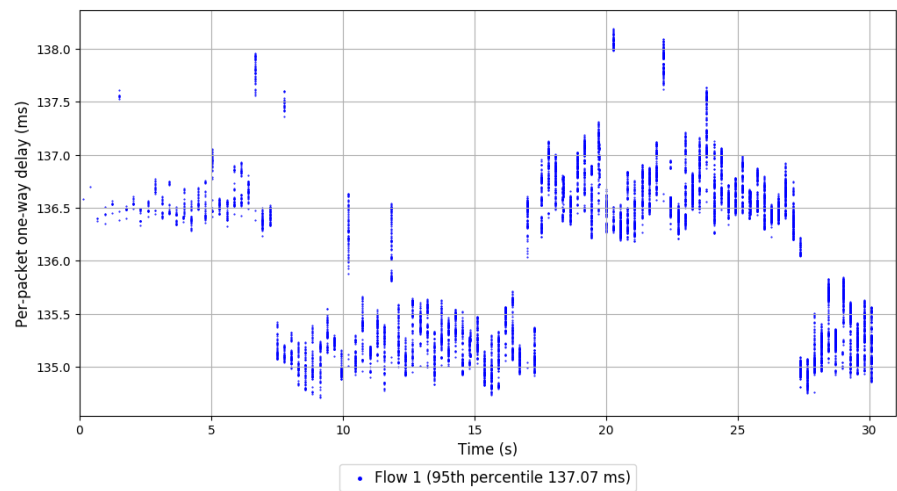
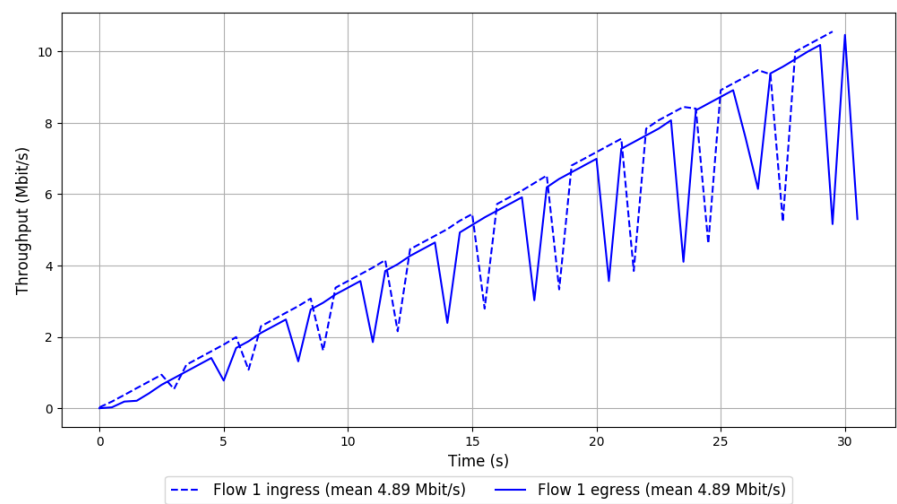


Run 9: Statistics of LEDBAT

Start at: 2018-05-22 21:31:22
End at: 2018-05-22 21:31:52
Local clock offset: -0.044 ms
Remote clock offset: -0.422 ms

Below is generated by plot.py at 2018-05-22 23:01:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.89 Mbit/s
95th percentile per-packet one-way delay: 137.069 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.89 Mbit/s
95th percentile per-packet one-way delay: 137.069 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

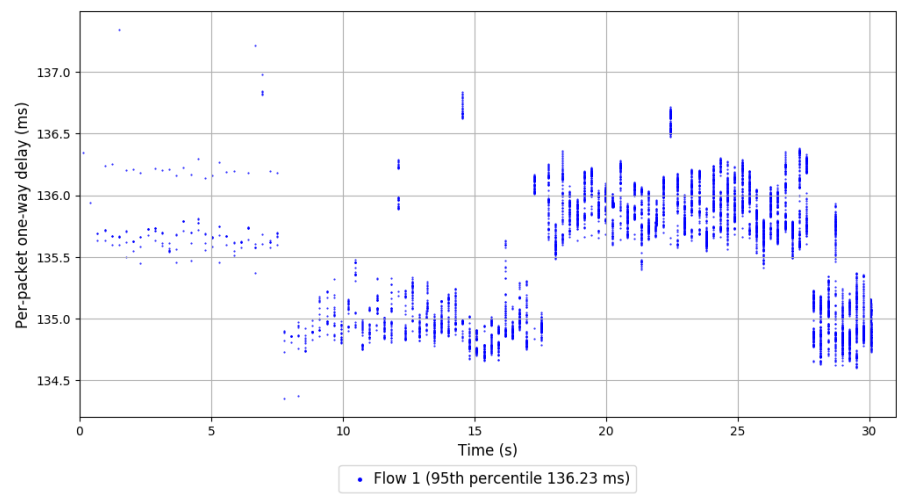
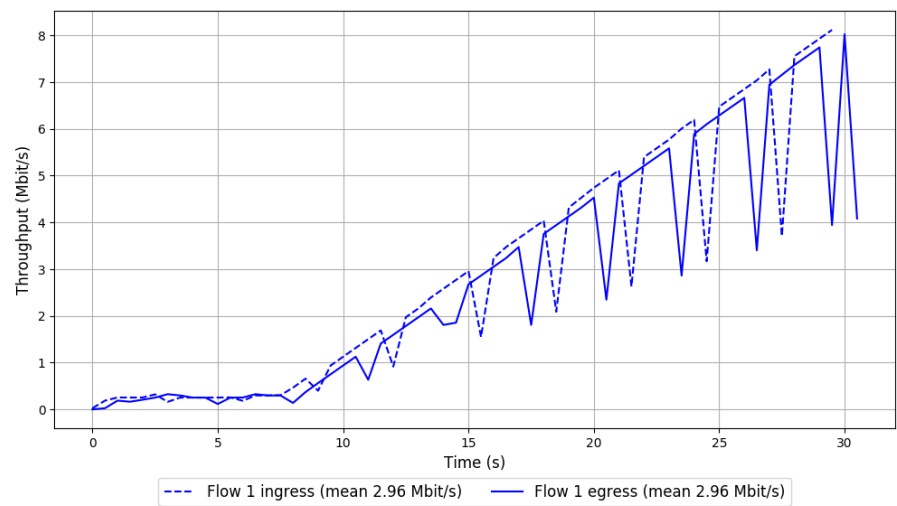


Run 10: Statistics of LEDBAT

Start at: 2018-05-22 21:52:31
End at: 2018-05-22 21:53:01
Local clock offset: 0.38 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-05-22 23:01:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.96 Mbit/s
95th percentile per-packet one-way delay: 136.231 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.96 Mbit/s
95th percentile per-packet one-way delay: 136.231 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-05-22 18:45:26

End at: 2018-05-22 18:45:56

Local clock offset: -0.186 ms

Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-05-22 23:01:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 562.52 Mbit/s

95th percentile per-packet one-way delay: 200.657 ms

Loss rate: 0.96%

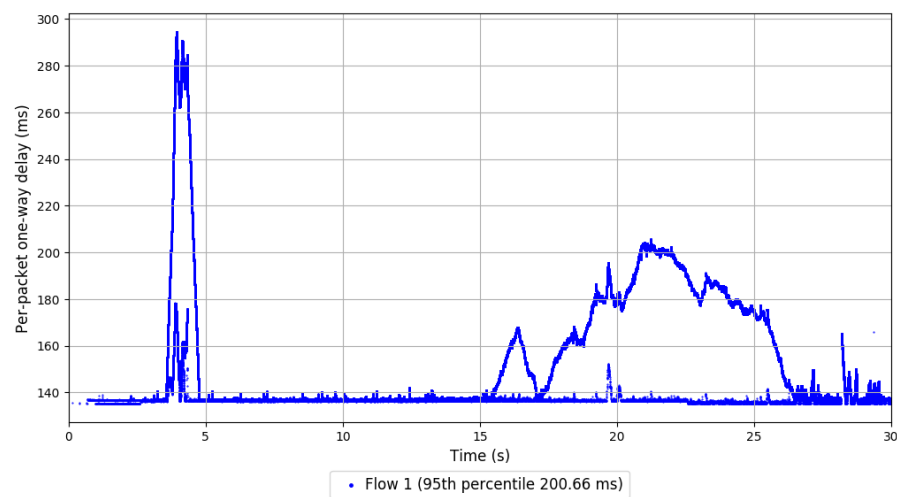
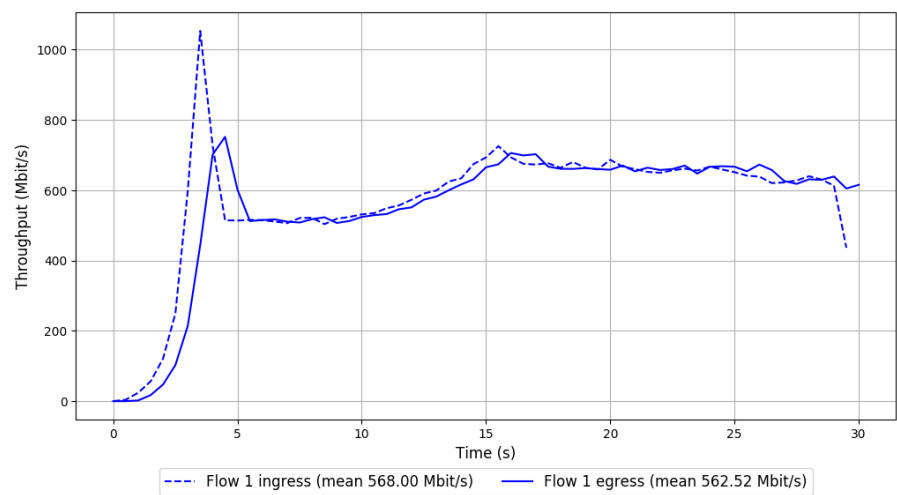
-- Flow 1:

Average throughput: 562.52 Mbit/s

95th percentile per-packet one-way delay: 200.657 ms

Loss rate: 0.96%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-05-22 19:06:39

End at: 2018-05-22 19:07:09

Local clock offset: 0.01 ms

Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-05-22 23:01:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 558.90 Mbit/s

95th percentile per-packet one-way delay: 170.635 ms

Loss rate: 0.83%

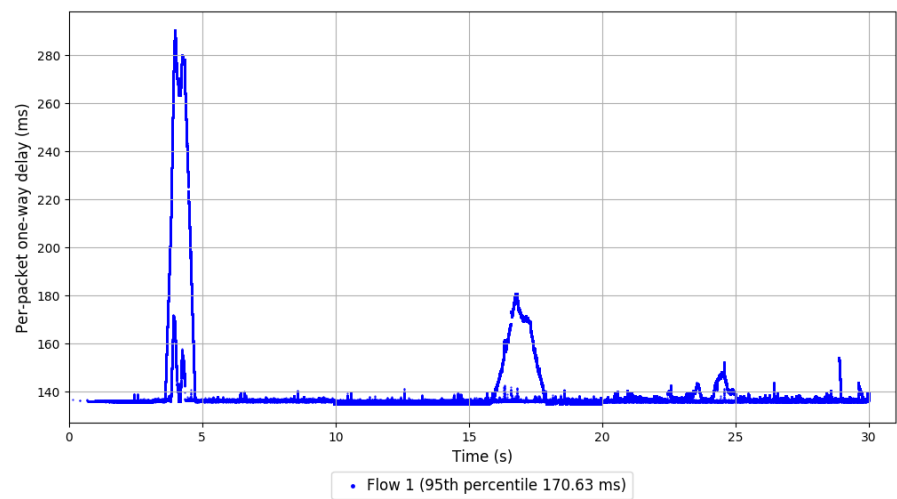
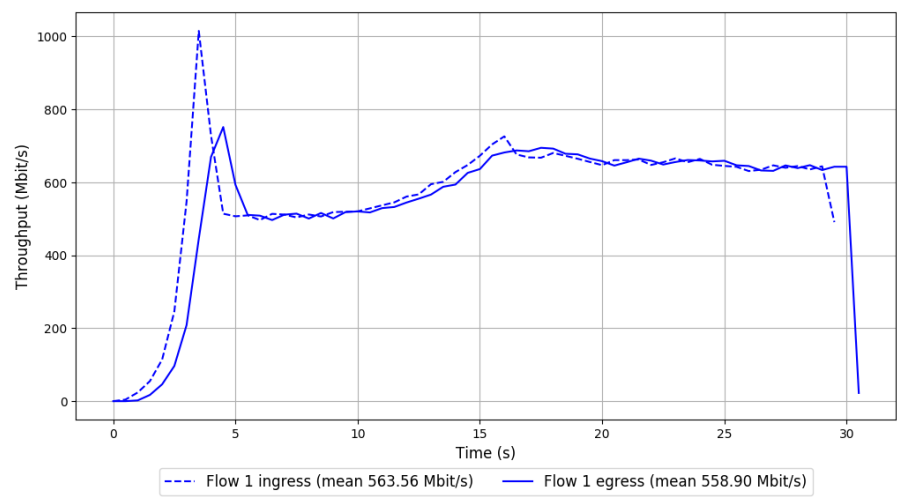
-- Flow 1:

Average throughput: 558.90 Mbit/s

95th percentile per-packet one-way delay: 170.635 ms

Loss rate: 0.83%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-05-22 19:28:12

End at: 2018-05-22 19:28:42

Local clock offset: -0.051 ms

Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-05-22 23:01:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 575.46 Mbit/s

95th percentile per-packet one-way delay: 173.367 ms

Loss rate: 0.98%

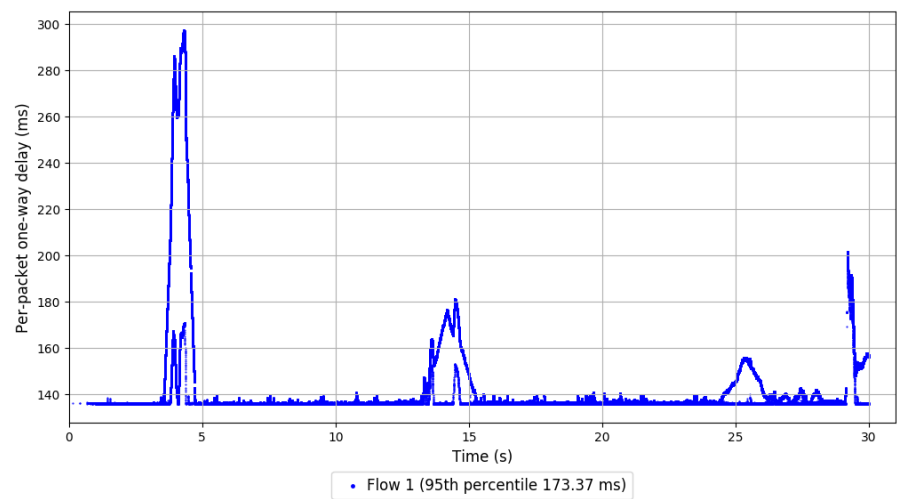
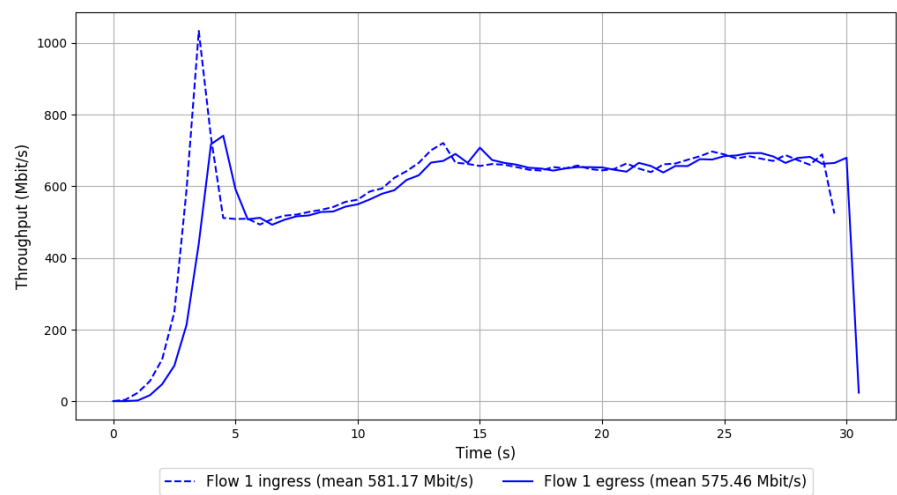
-- Flow 1:

Average throughput: 575.46 Mbit/s

95th percentile per-packet one-way delay: 173.367 ms

Loss rate: 0.98%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-05-22 19:49:32

End at: 2018-05-22 19:50:02

Local clock offset: 0.103 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-05-22 23:02:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 575.01 Mbit/s

95th percentile per-packet one-way delay: 175.290 ms

Loss rate: 0.86%

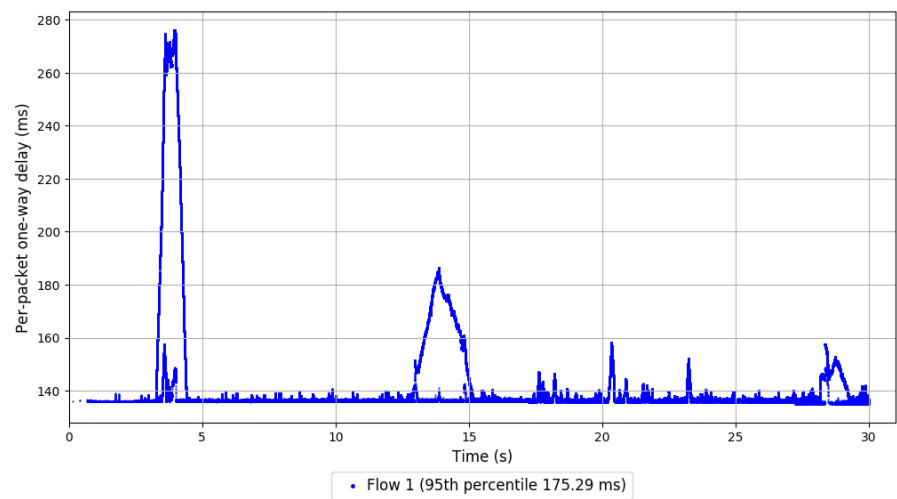
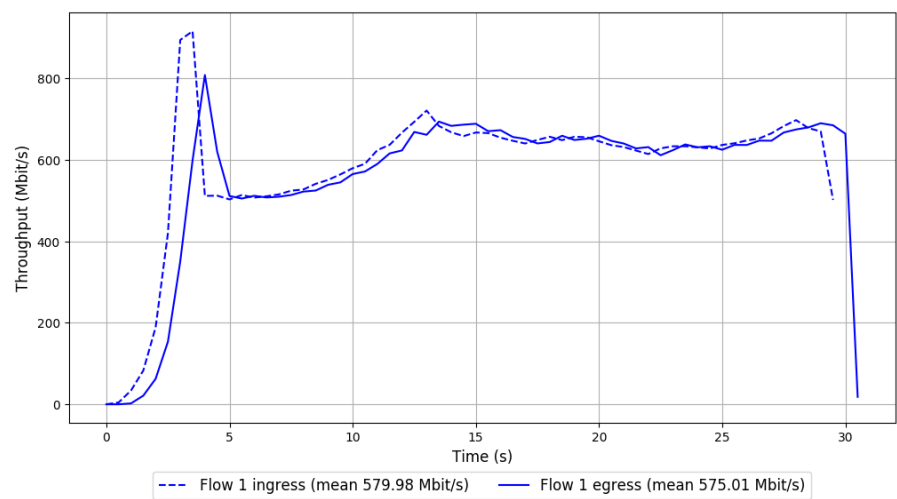
-- Flow 1:

Average throughput: 575.01 Mbit/s

95th percentile per-packet one-way delay: 175.290 ms

Loss rate: 0.86%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-05-22 20:11:18

End at: 2018-05-22 20:11:48

Local clock offset: 0.146 ms

Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-05-22 23:02:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 518.68 Mbit/s

95th percentile per-packet one-way delay: 148.712 ms

Loss rate: 1.04%

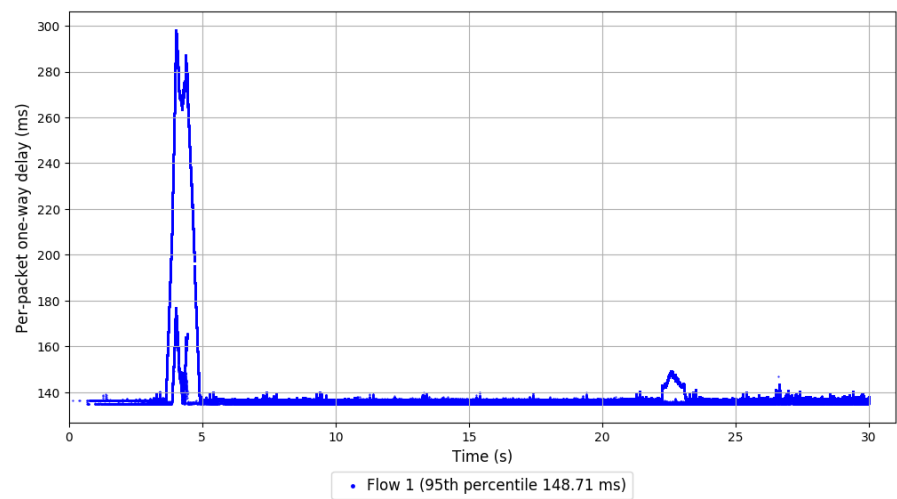
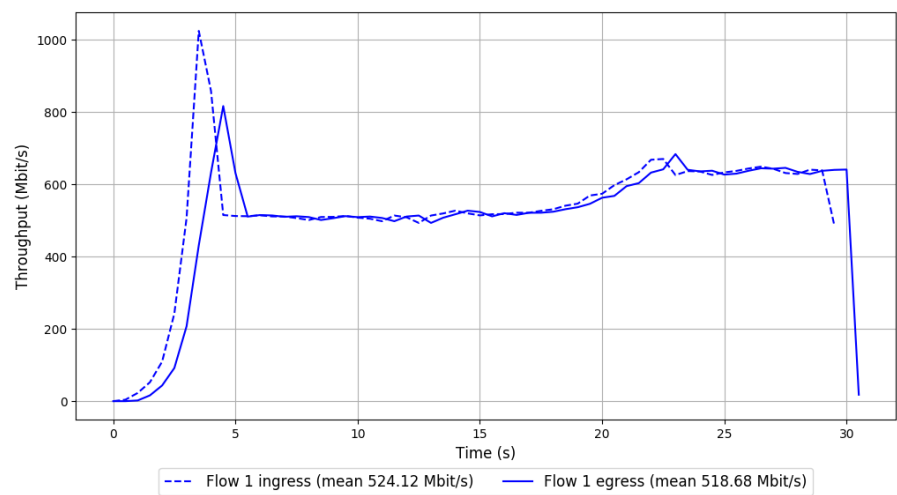
-- Flow 1:

Average throughput: 518.68 Mbit/s

95th percentile per-packet one-way delay: 148.712 ms

Loss rate: 1.04%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-05-22 20:32:24

End at: 2018-05-22 20:32:54

Local clock offset: 0.071 ms

Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-05-22 23:03:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 574.36 Mbit/s

95th percentile per-packet one-way delay: 178.150 ms

Loss rate: 1.04%

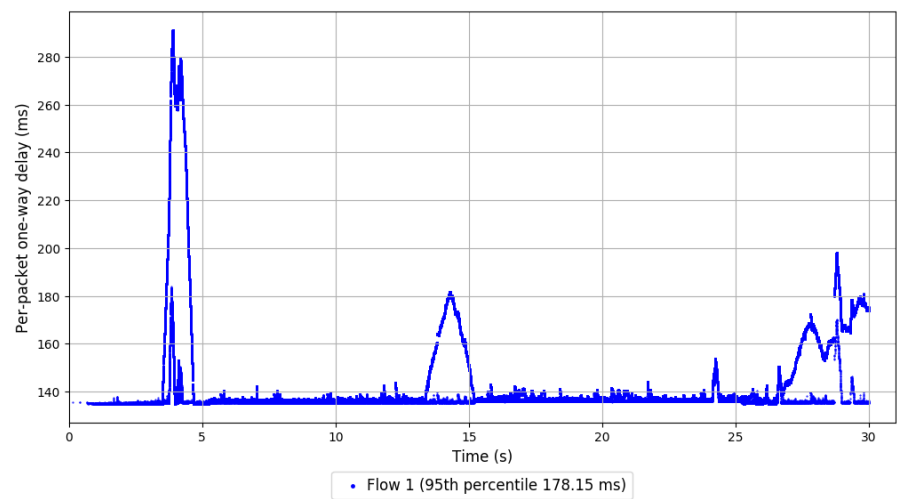
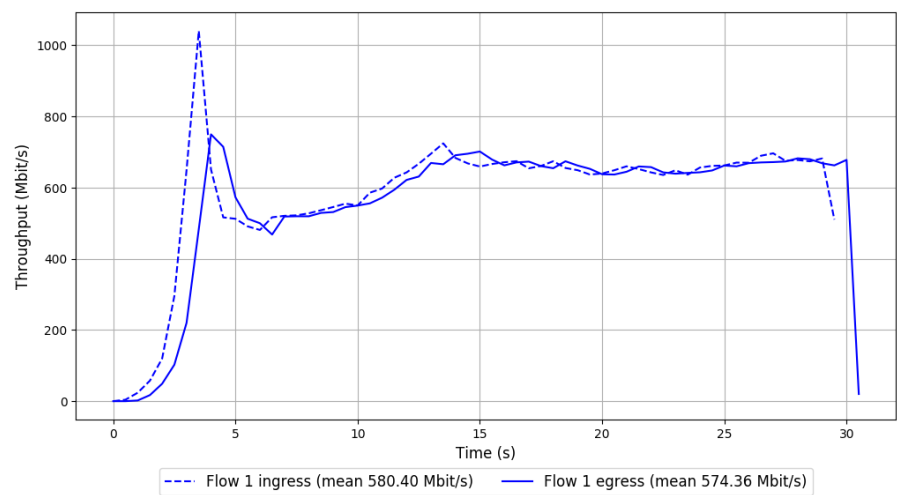
-- Flow 1:

Average throughput: 574.36 Mbit/s

95th percentile per-packet one-way delay: 178.150 ms

Loss rate: 1.04%

Run 6: Report of PCC-Allegro — Data Link

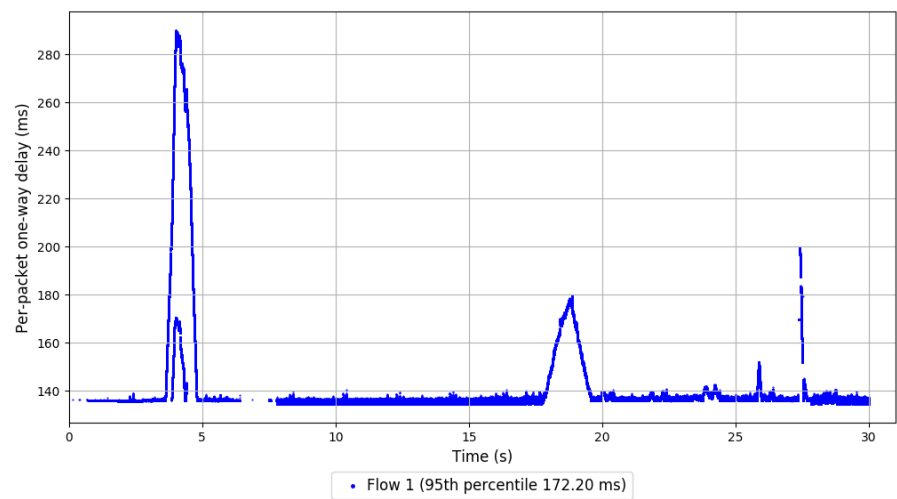
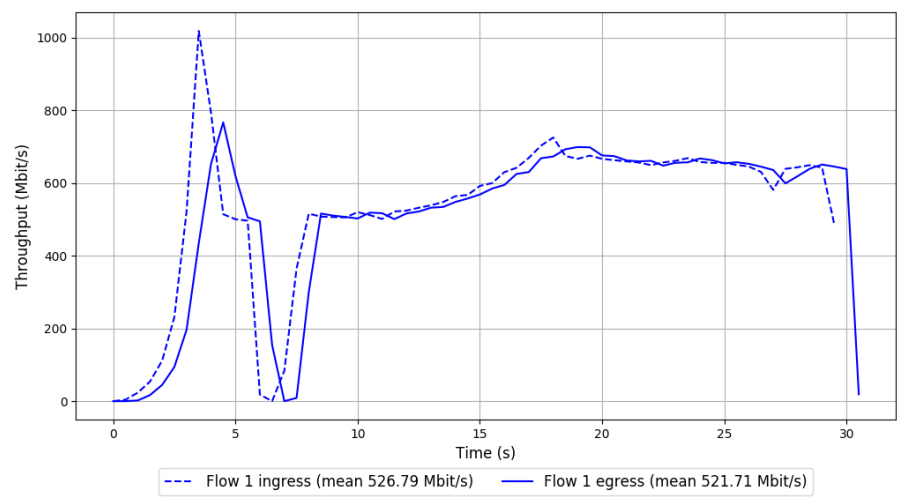


Run 7: Statistics of PCC-Allegro

Start at: 2018-05-22 20:53:41
End at: 2018-05-22 20:54:11
Local clock offset: 0.118 ms
Remote clock offset: -0.443 ms

Below is generated by plot.py at 2018-05-22 23:10:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 521.71 Mbit/s
95th percentile per-packet one-way delay: 172.197 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 521.71 Mbit/s
95th percentile per-packet one-way delay: 172.197 ms
Loss rate: 0.97%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-22 21:15:14

End at: 2018-05-22 21:15:45

Local clock offset: 0.145 ms

Remote clock offset: -0.46 ms

Below is generated by plot.py at 2018-05-22 23:11:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 573.13 Mbit/s

95th percentile per-packet one-way delay: 168.145 ms

Loss rate: 0.94%

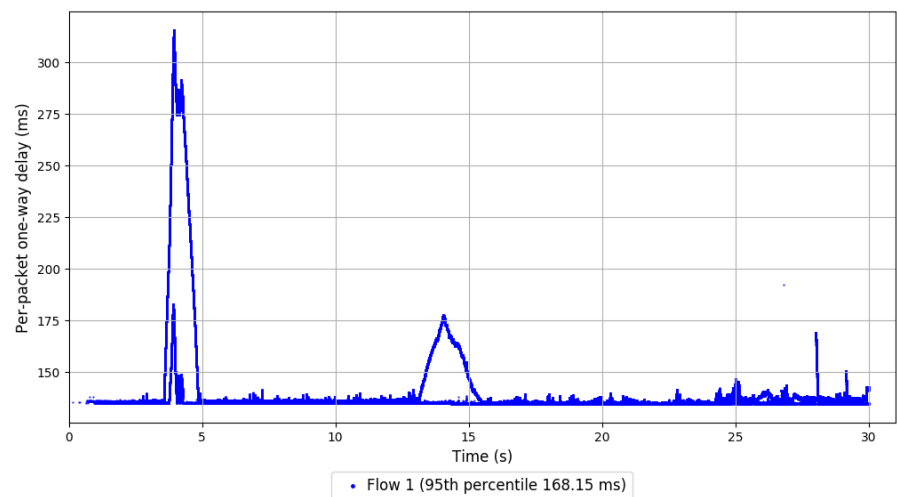
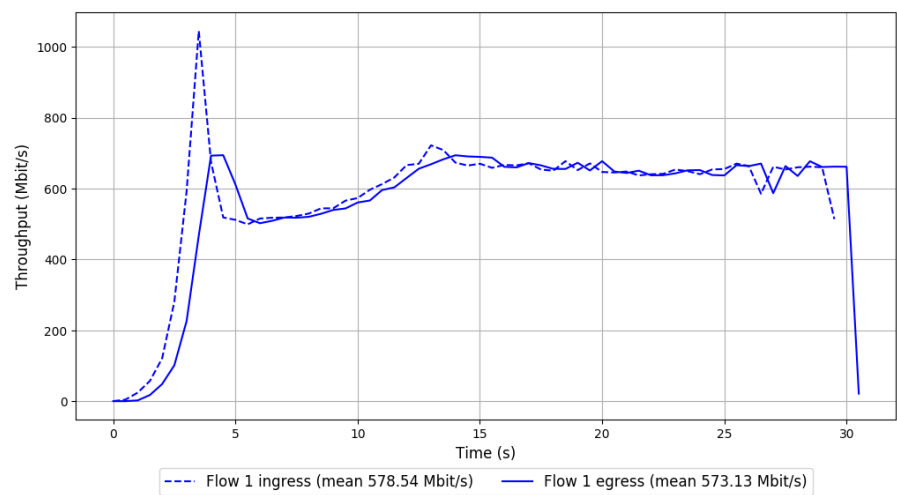
-- Flow 1:

Average throughput: 573.13 Mbit/s

95th percentile per-packet one-way delay: 168.145 ms

Loss rate: 0.94%

Run 8: Report of PCC-Allegro — Data Link

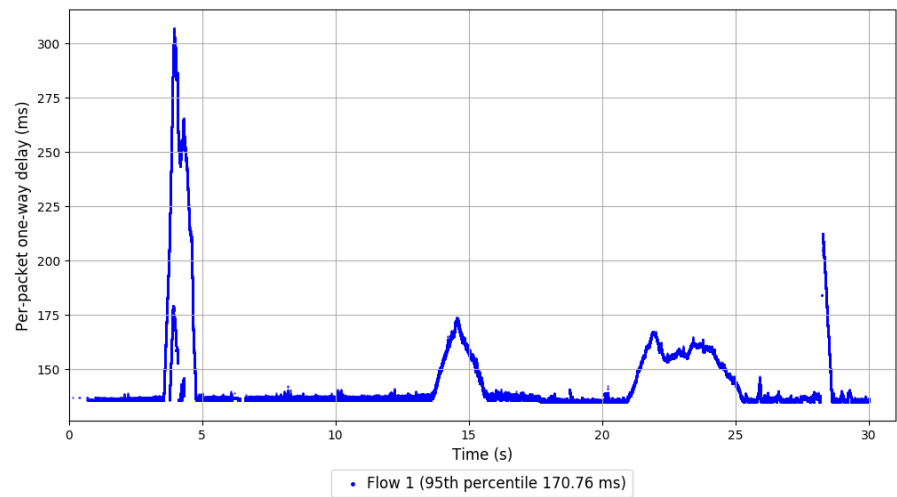
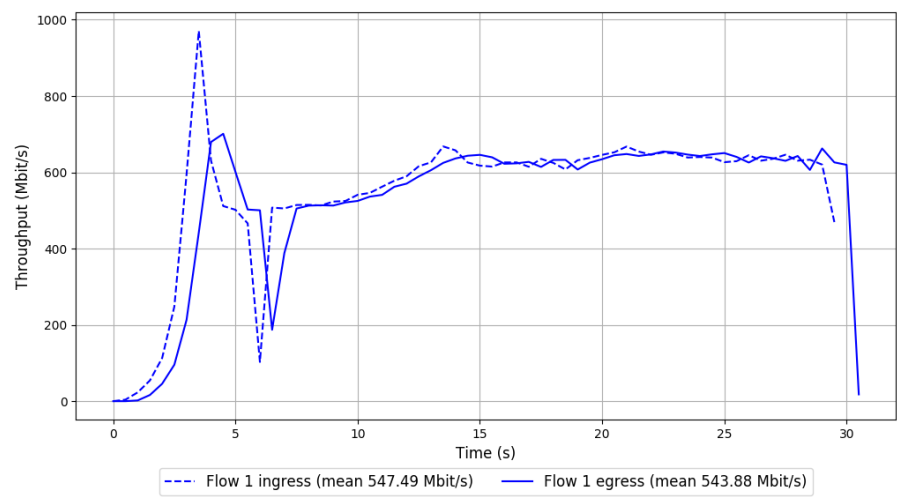


Run 9: Statistics of PCC-Allegro

Start at: 2018-05-22 21:36:21
End at: 2018-05-22 21:36:51
Local clock offset: 0.234 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-05-22 23:11:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 543.88 Mbit/s
95th percentile per-packet one-way delay: 170.763 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 543.88 Mbit/s
95th percentile per-packet one-way delay: 170.763 ms
Loss rate: 0.66%

Run 9: Report of PCC-Allegro — Data Link

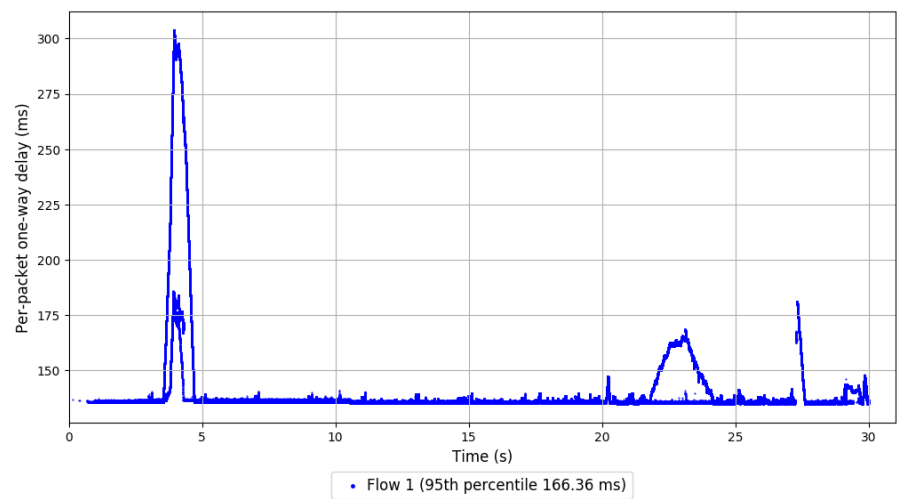
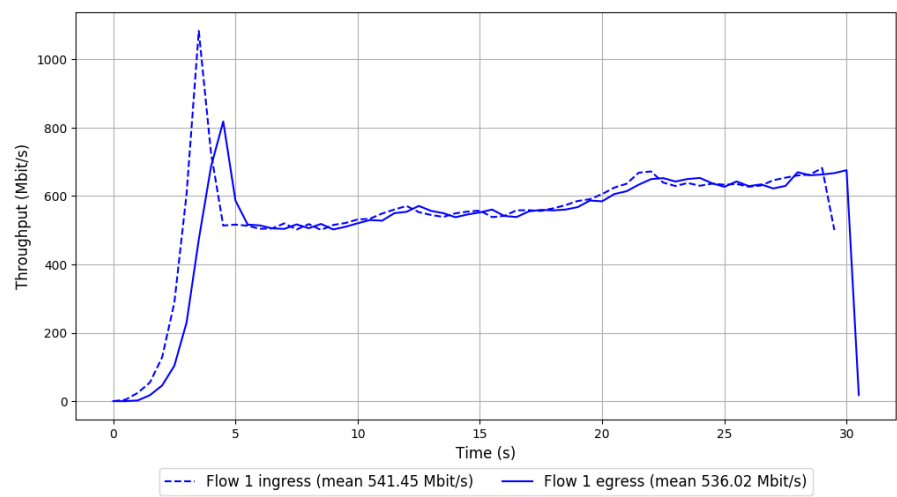


Run 10: Statistics of PCC-Allegro

Start at: 2018-05-22 21:57:48
End at: 2018-05-22 21:58:18
Local clock offset: 0.146 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-05-22 23:11:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 536.02 Mbit/s
95th percentile per-packet one-way delay: 166.360 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 536.02 Mbit/s
95th percentile per-packet one-way delay: 166.360 ms
Loss rate: 1.01%

Run 10: Report of PCC-Allegro — Data Link

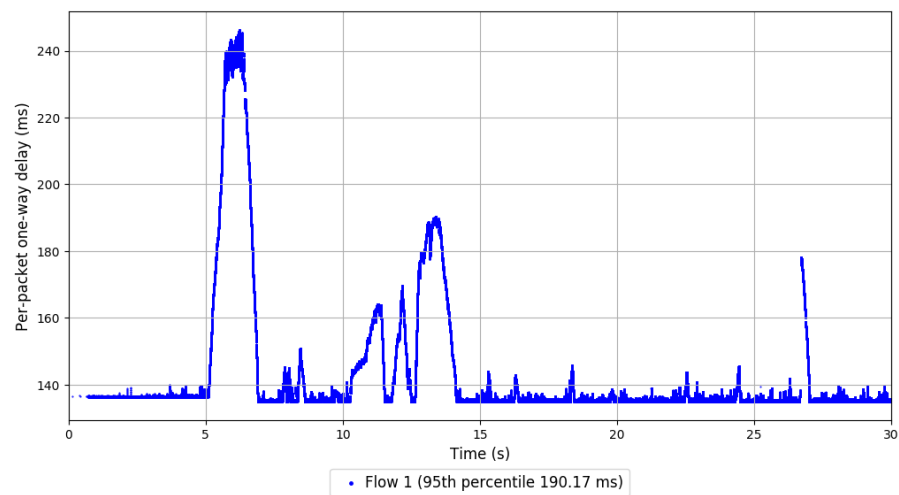
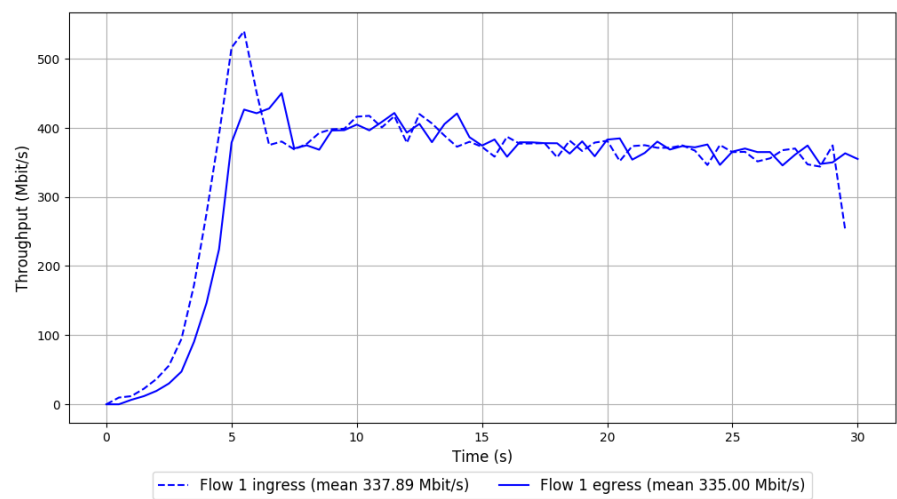


Run 1: Statistics of PCC-Expr

Start at: 2018-05-22 18:42:33
End at: 2018-05-22 18:43:03
Local clock offset: -0.03 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-05-22 23:12:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 335.00 Mbit/s
95th percentile per-packet one-way delay: 190.168 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 335.00 Mbit/s
95th percentile per-packet one-way delay: 190.168 ms
Loss rate: 0.86%

Run 1: Report of PCC-Expr — Data Link

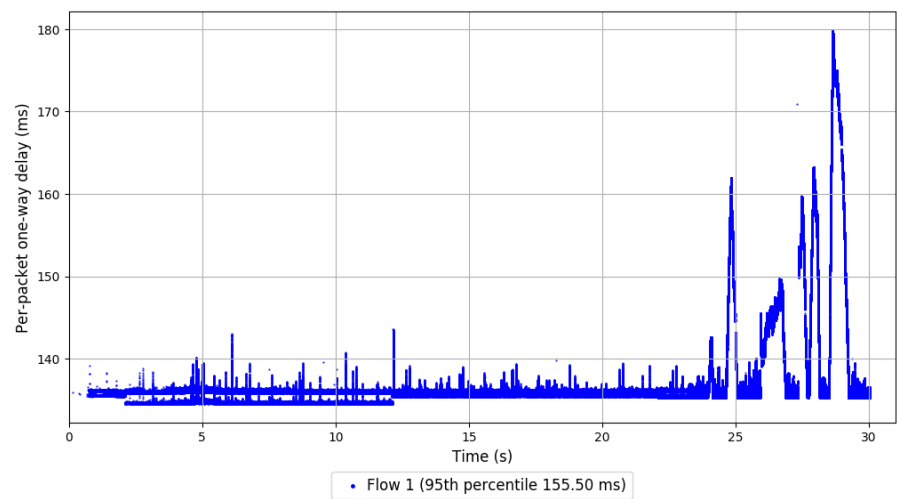
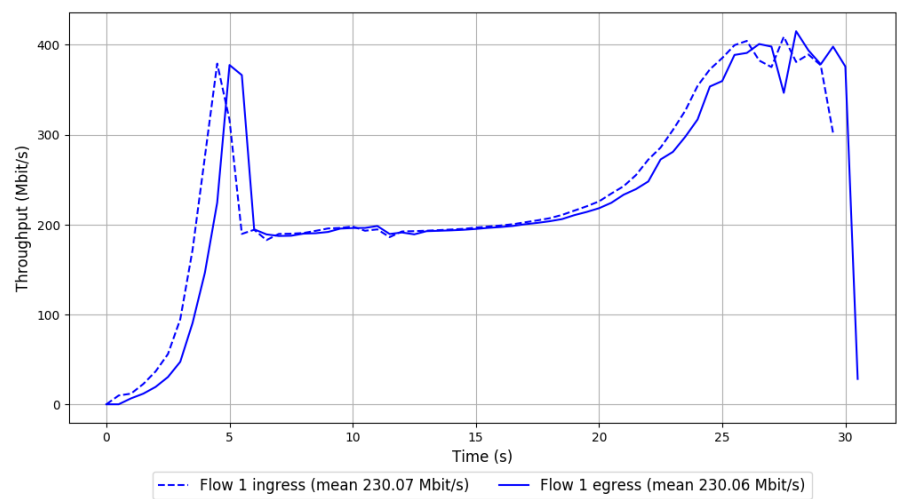


Run 2: Statistics of PCC-Expr

Start at: 2018-05-22 19:03:57
End at: 2018-05-22 19:04:27
Local clock offset: 0.018 ms
Remote clock offset: -0.467 ms

Below is generated by plot.py at 2018-05-22 23:12:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 230.06 Mbit/s
95th percentile per-packet one-way delay: 155.505 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 230.06 Mbit/s
95th percentile per-packet one-way delay: 155.505 ms
Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-05-22 19:25:00

End at: 2018-05-22 19:25:30

Local clock offset: 0.119 ms

Remote clock offset: 0.398 ms

Below is generated by plot.py at 2018-05-22 23:13:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 331.18 Mbit/s

95th percentile per-packet one-way delay: 200.263 ms

Loss rate: 0.88%

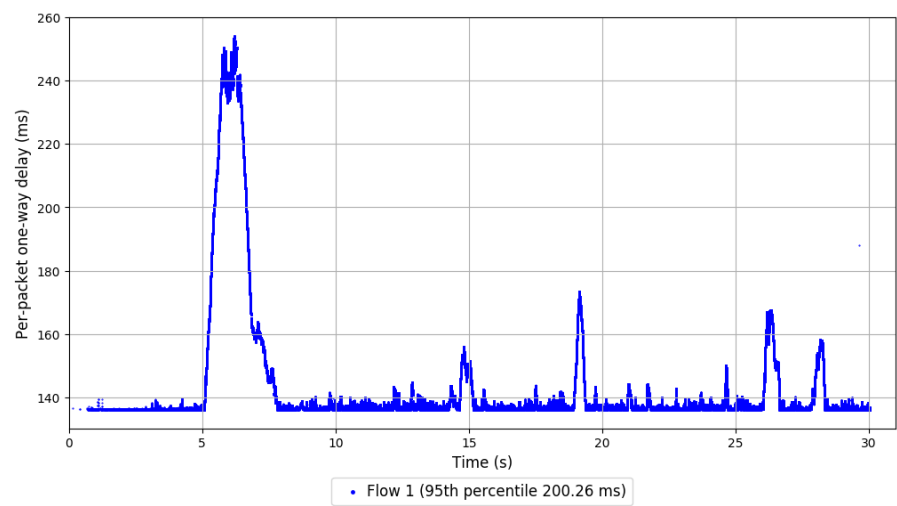
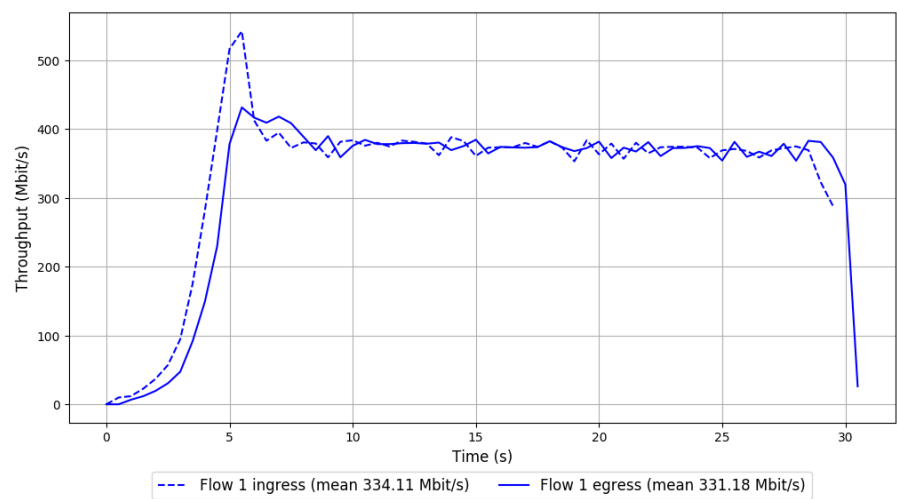
-- Flow 1:

Average throughput: 331.18 Mbit/s

95th percentile per-packet one-way delay: 200.263 ms

Loss rate: 0.88%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-05-22 19:46:38

End at: 2018-05-22 19:47:08

Local clock offset: 0.4 ms

Remote clock offset: -0.382 ms

Below is generated by plot.py at 2018-05-22 23:14:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 334.73 Mbit/s

95th percentile per-packet one-way delay: 209.931 ms

Loss rate: 0.88%

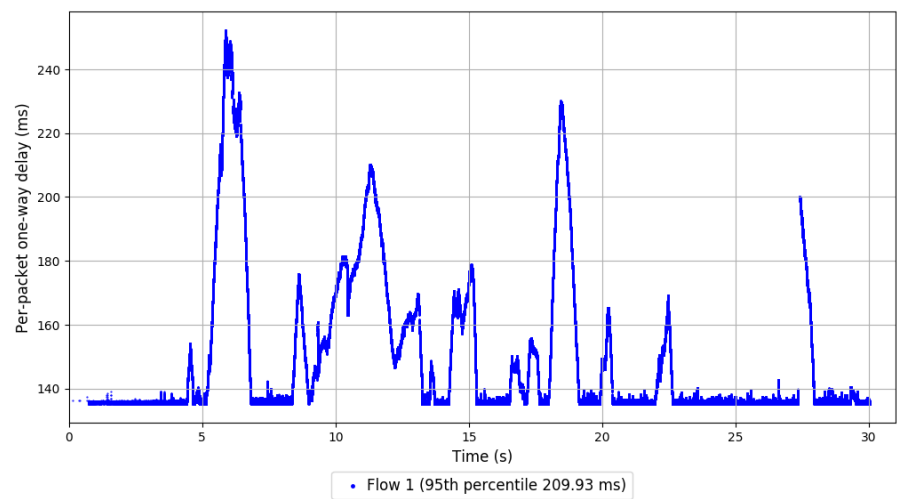
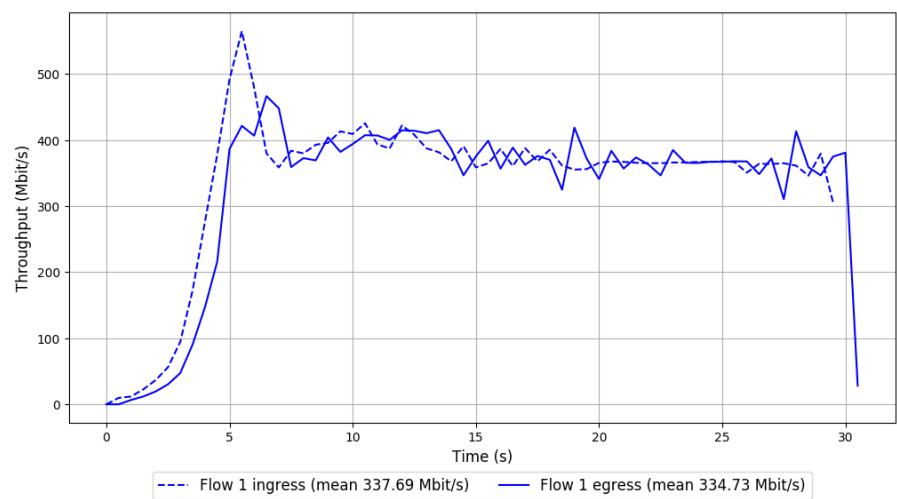
-- Flow 1:

Average throughput: 334.73 Mbit/s

95th percentile per-packet one-way delay: 209.931 ms

Loss rate: 0.88%

Run 4: Report of PCC-Expr — Data Link

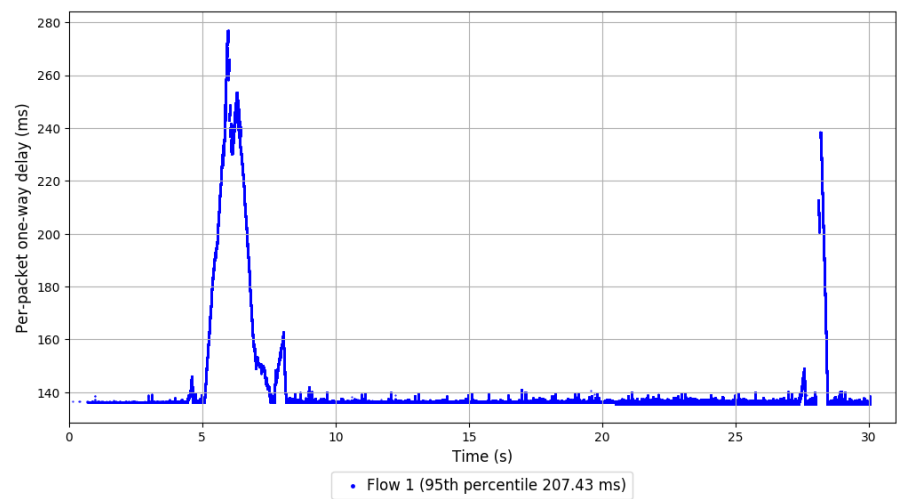
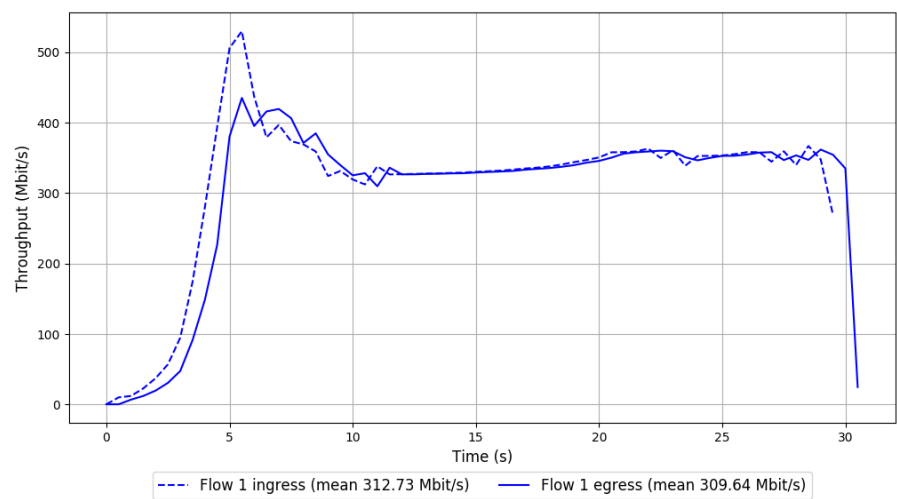


Run 5: Statistics of PCC-Expr

Start at: 2018-05-22 20:08:08
End at: 2018-05-22 20:08:38
Local clock offset: -0.235 ms
Remote clock offset: -0.472 ms

Below is generated by plot.py at 2018-05-22 23:20:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 309.64 Mbit/s
95th percentile per-packet one-way delay: 207.434 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 309.64 Mbit/s
95th percentile per-packet one-way delay: 207.434 ms
Loss rate: 0.99%

Run 5: Report of PCC-Expr — Data Link

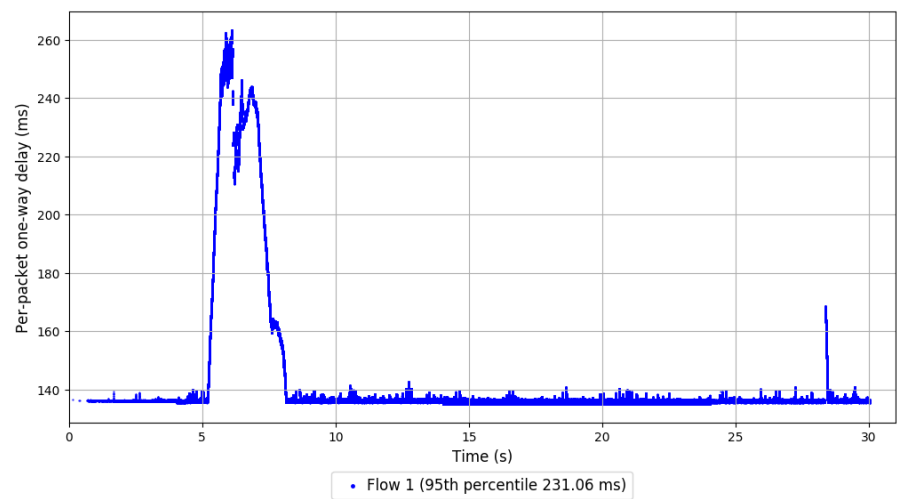
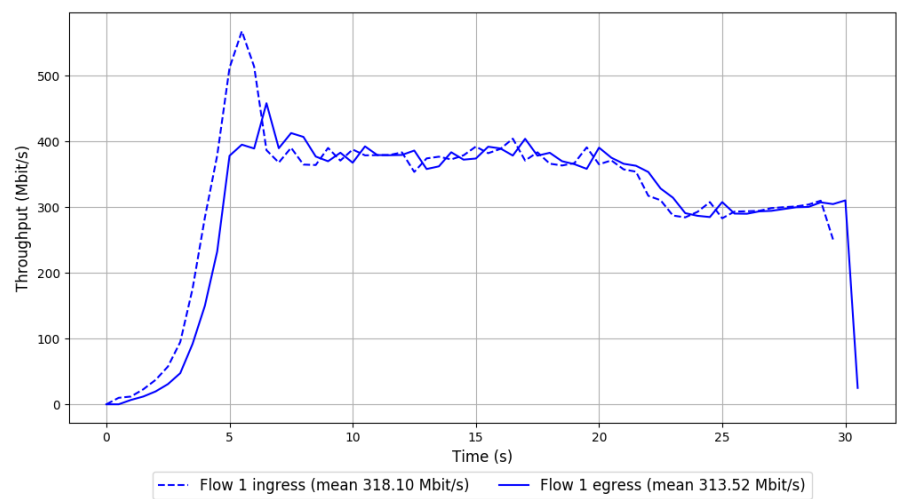


Run 6: Statistics of PCC-Expr

Start at: 2018-05-22 20:29:35
End at: 2018-05-22 20:30:05
Local clock offset: 0.13 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-05-22 23:21:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 313.52 Mbit/s
95th percentile per-packet one-way delay: 231.062 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 313.52 Mbit/s
95th percentile per-packet one-way delay: 231.062 ms
Loss rate: 1.44%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-05-22 20:50:38

End at: 2018-05-22 20:51:08

Local clock offset: -0.197 ms

Remote clock offset: -0.41 ms

Below is generated by plot.py at 2018-05-22 23:21:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 289.38 Mbit/s

95th percentile per-packet one-way delay: 212.681 ms

Loss rate: 0.84%

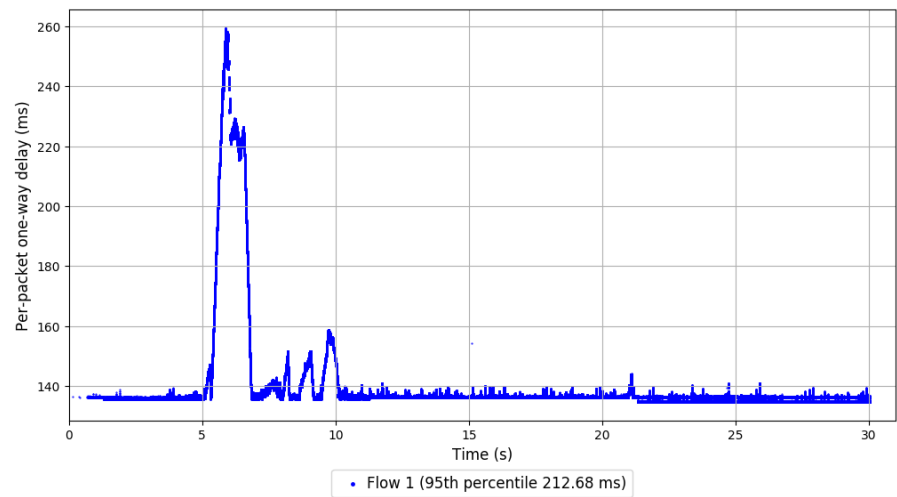
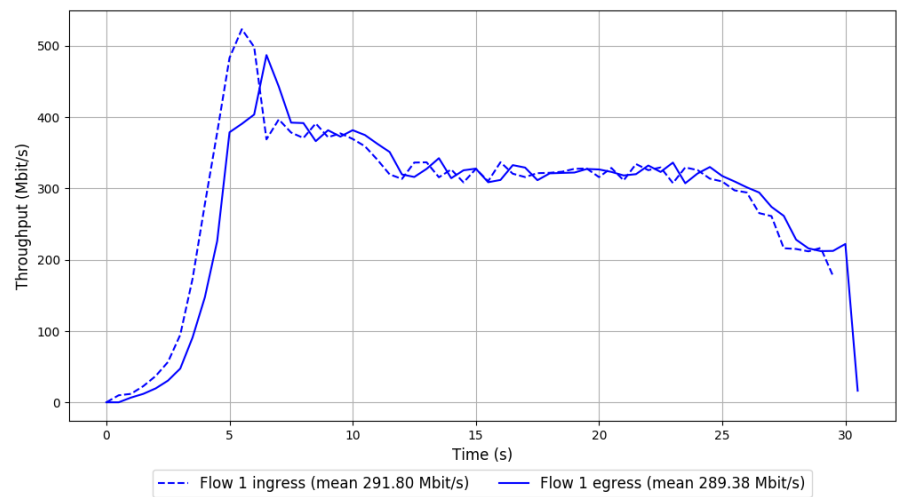
-- Flow 1:

Average throughput: 289.38 Mbit/s

95th percentile per-packet one-way delay: 212.681 ms

Loss rate: 0.84%

Run 7: Report of PCC-Expr — Data Link

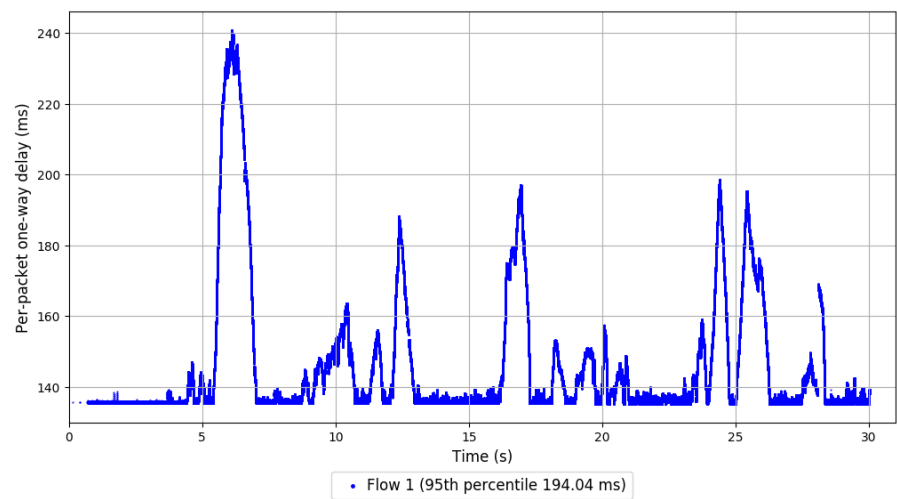
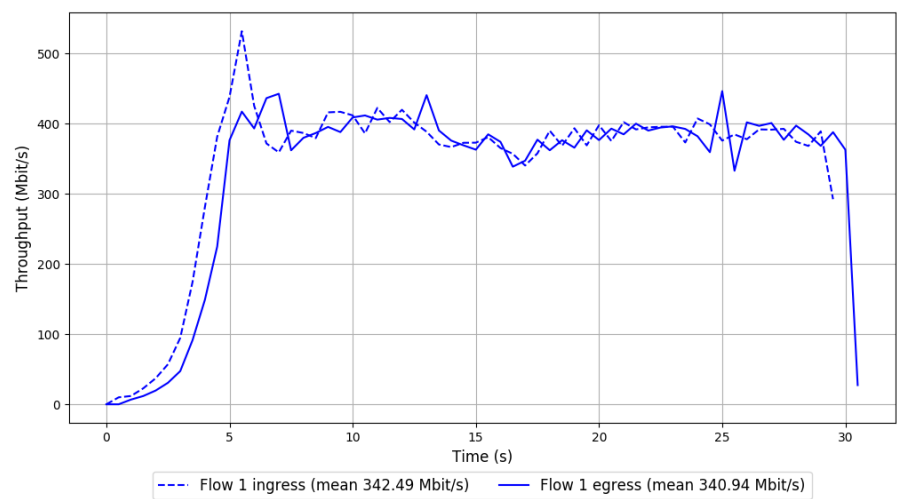


Run 8: Statistics of PCC-Expr

Start at: 2018-05-22 21:12:00
End at: 2018-05-22 21:12:30
Local clock offset: 0.166 ms
Remote clock offset: -0.415 ms

Below is generated by plot.py at 2018-05-22 23:23:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 340.94 Mbit/s
95th percentile per-packet one-way delay: 194.043 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 340.94 Mbit/s
95th percentile per-packet one-way delay: 194.043 ms
Loss rate: 0.45%

Run 8: Report of PCC-Expr — Data Link

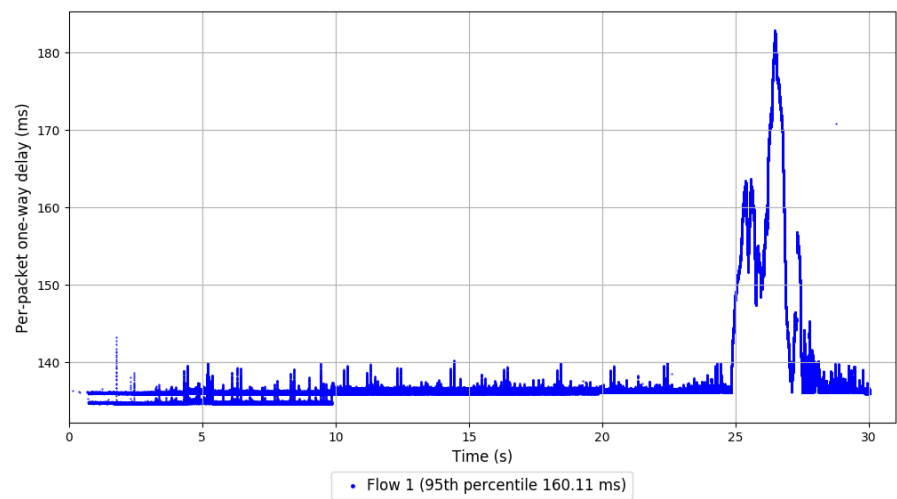
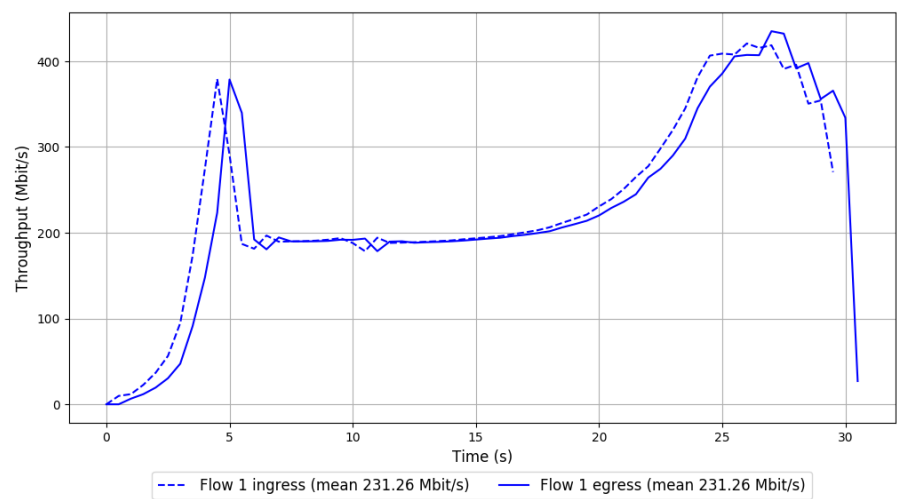


Run 9: Statistics of PCC-Expr

Start at: 2018-05-22 21:33:39
End at: 2018-05-22 21:34:09
Local clock offset: 0.413 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-05-22 23:23:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 231.26 Mbit/s
95th percentile per-packet one-way delay: 160.114 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 231.26 Mbit/s
95th percentile per-packet one-way delay: 160.114 ms
Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link

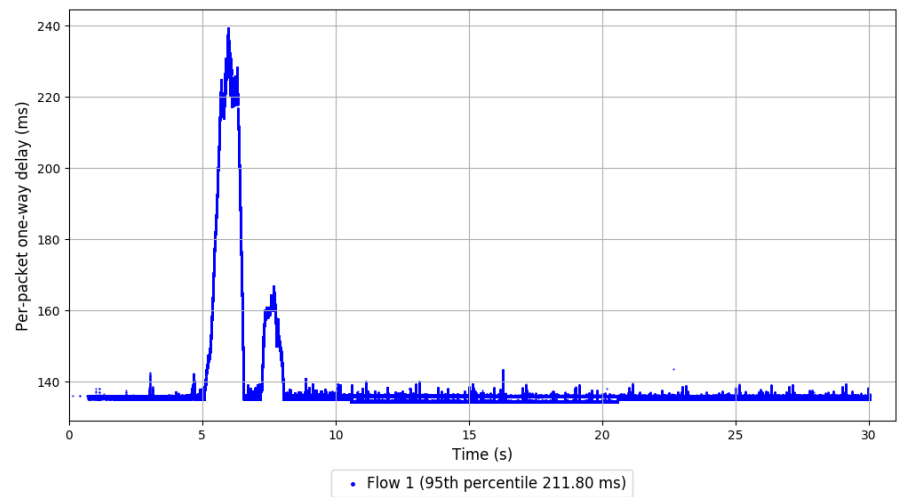
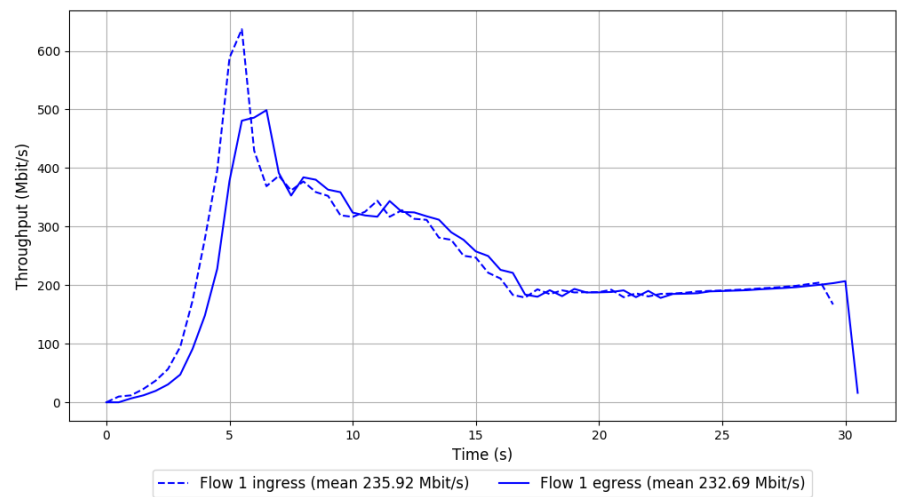


Run 10: Statistics of PCC-Expr

Start at: 2018-05-22 21:54:48
End at: 2018-05-22 21:55:18
Local clock offset: 0.296 ms
Remote clock offset: -0.409 ms

Below is generated by plot.py at 2018-05-22 23:23:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 232.69 Mbit/s
95th percentile per-packet one-way delay: 211.796 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 232.69 Mbit/s
95th percentile per-packet one-way delay: 211.796 ms
Loss rate: 1.37%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

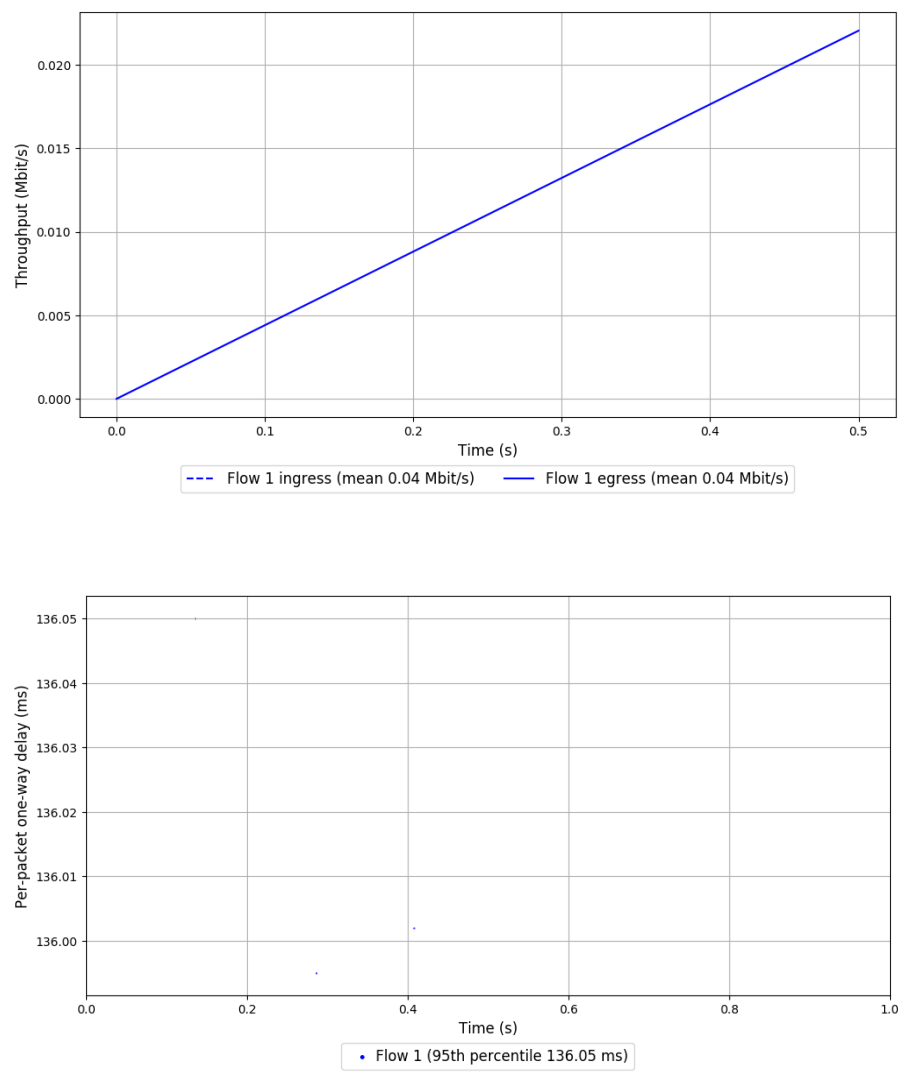
Start at: 2018-05-22 18:55:27

End at: 2018-05-22 18:55:57

Local clock offset: -0.065 ms

Remote clock offset: -0.107 ms

Run 1: Report of QUIC Cubic — Data Link

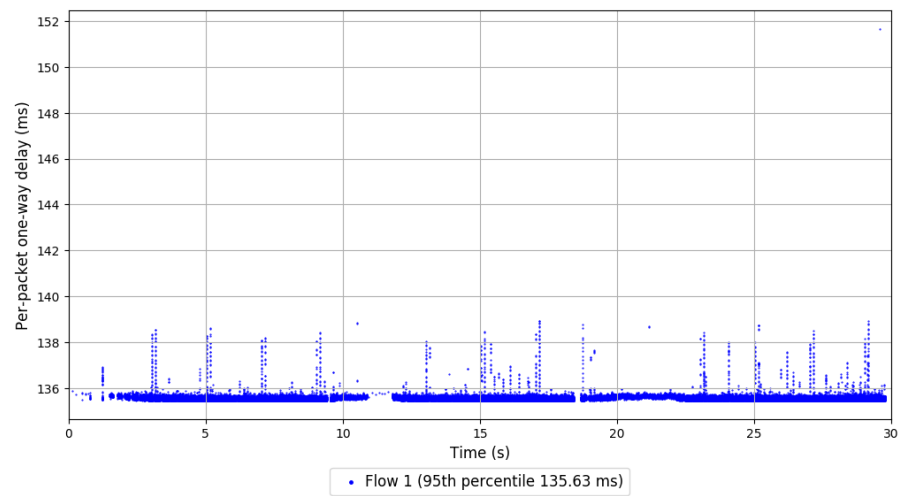
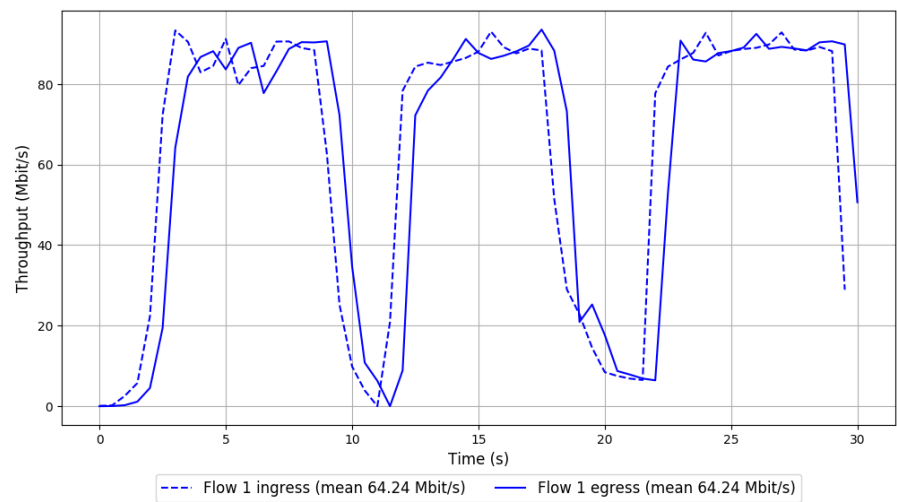


Run 2: Statistics of QUIC Cubic

Start at: 2018-05-22 19:16:32
End at: 2018-05-22 19:17:02
Local clock offset: -0.094 ms
Remote clock offset: -0.433 ms

Below is generated by plot.py at 2018-05-22 23:23:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.24 Mbit/s
95th percentile per-packet one-way delay: 135.629 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.24 Mbit/s
95th percentile per-packet one-way delay: 135.629 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

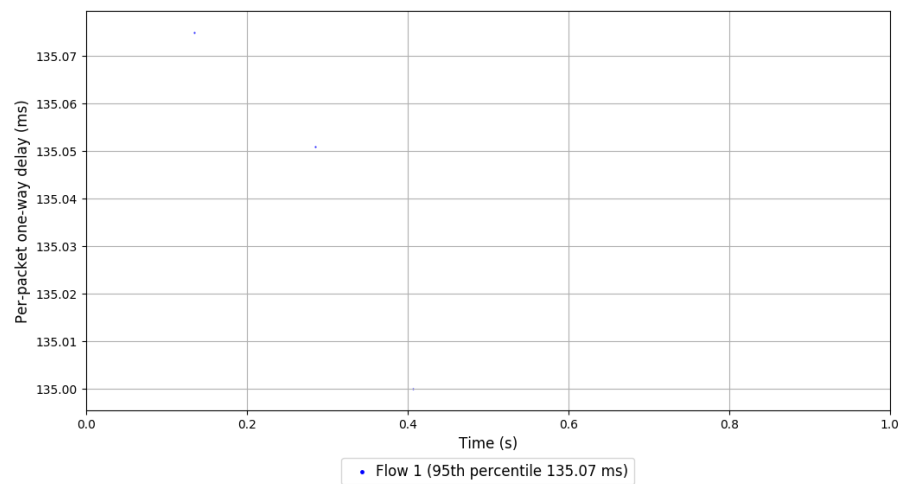
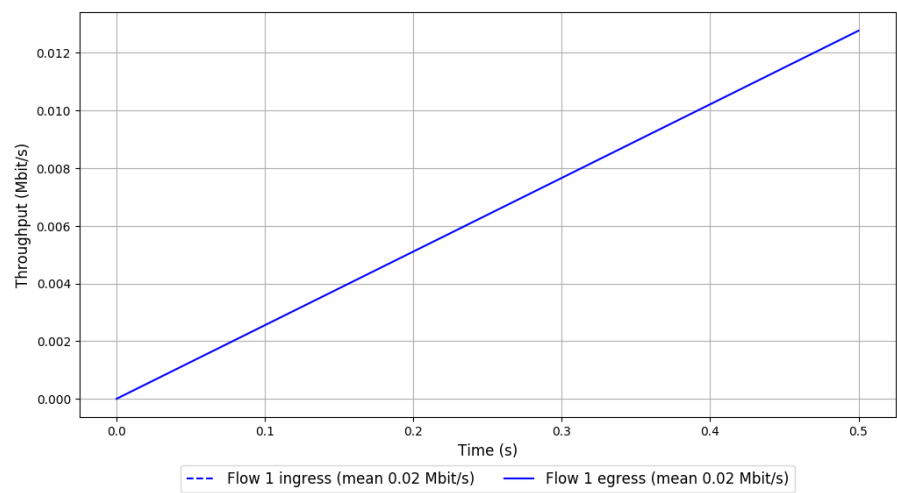
Start at: 2018-05-22 19:38:10

End at: 2018-05-22 19:38:40

Local clock offset: 0.465 ms

Remote clock offset: -0.354 ms

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

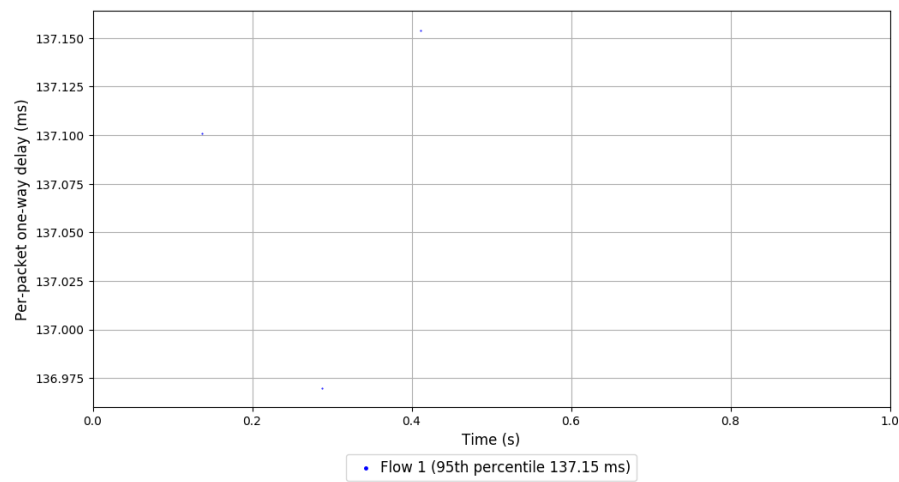
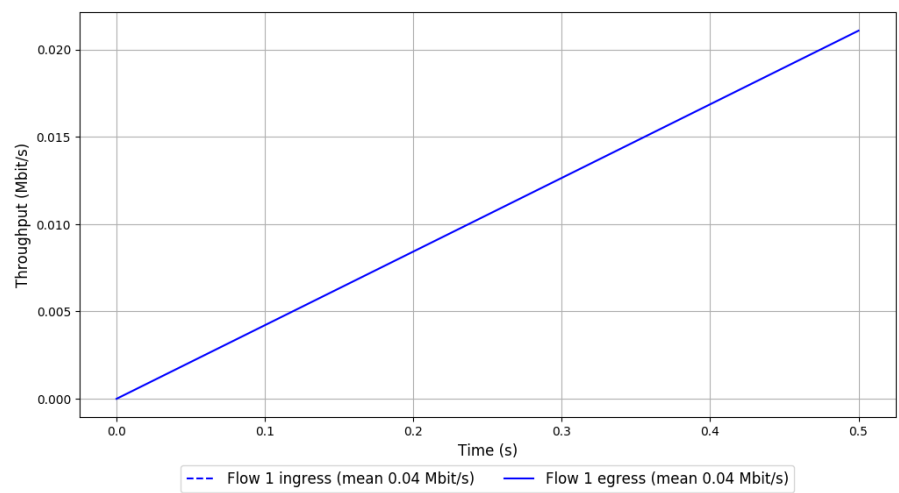
Start at: 2018-05-22 19:59:41

End at: 2018-05-22 20:00:11

Local clock offset: -0.11 ms

Remote clock offset: -0.05 ms

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

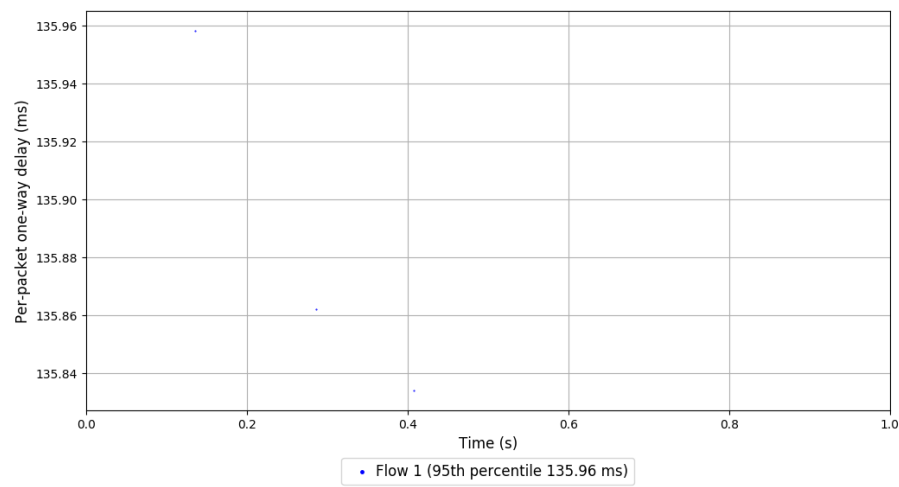
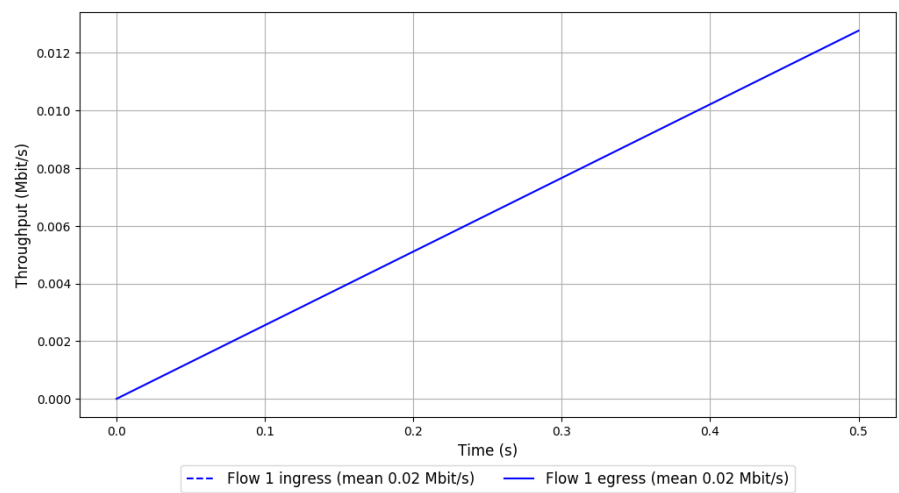
Start at: 2018-05-22 20:21:03

End at: 2018-05-22 20:21:33

Local clock offset: -0.034 ms

Remote clock offset: 0.279 ms

Run 5: Report of QUIC Cubic — Data Link

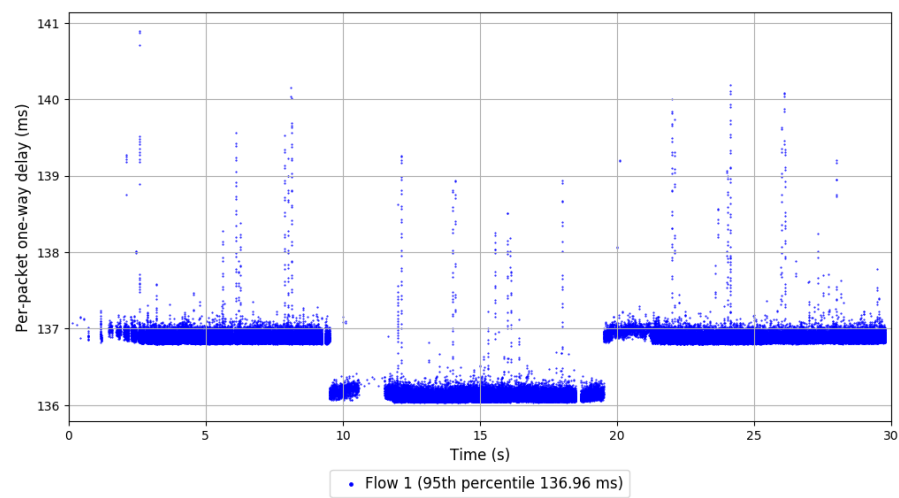
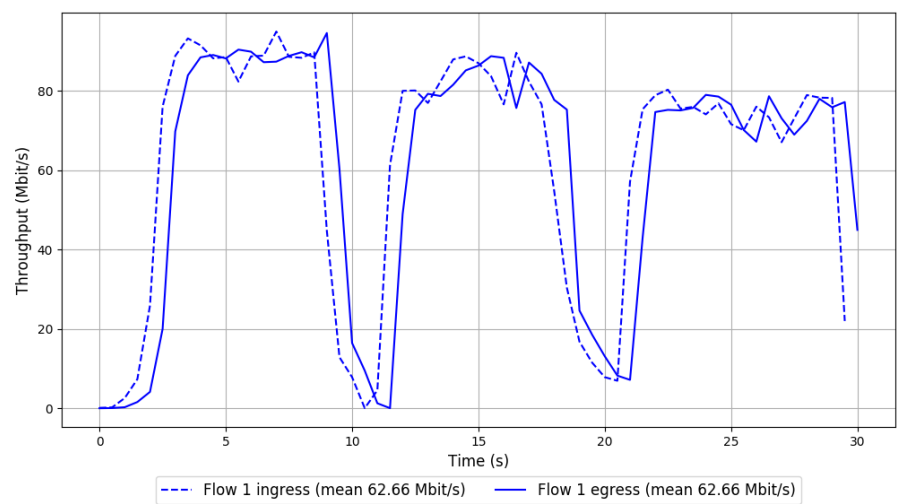


Run 6: Statistics of QUIC Cubic

Start at: 2018-05-22 20:42:09
End at: 2018-05-22 20:42:39
Local clock offset: -0.478 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-05-22 23:23:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.66 Mbit/s
95th percentile per-packet one-way delay: 136.958 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 62.66 Mbit/s
95th percentile per-packet one-way delay: 136.958 ms
Loss rate: 0.01%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

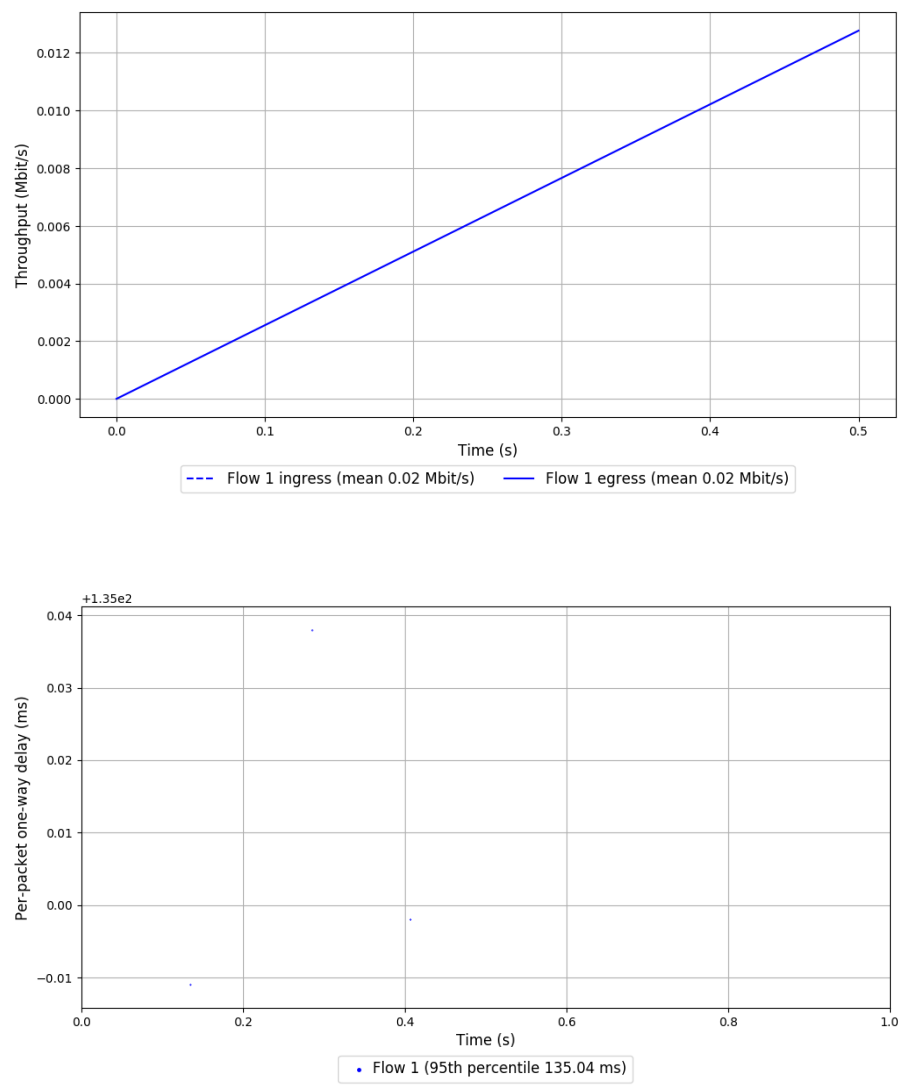
Start at: 2018-05-22 21:03:32

End at: 2018-05-22 21:04:02

Local clock offset: 0.121 ms

Remote clock offset: -0.077 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

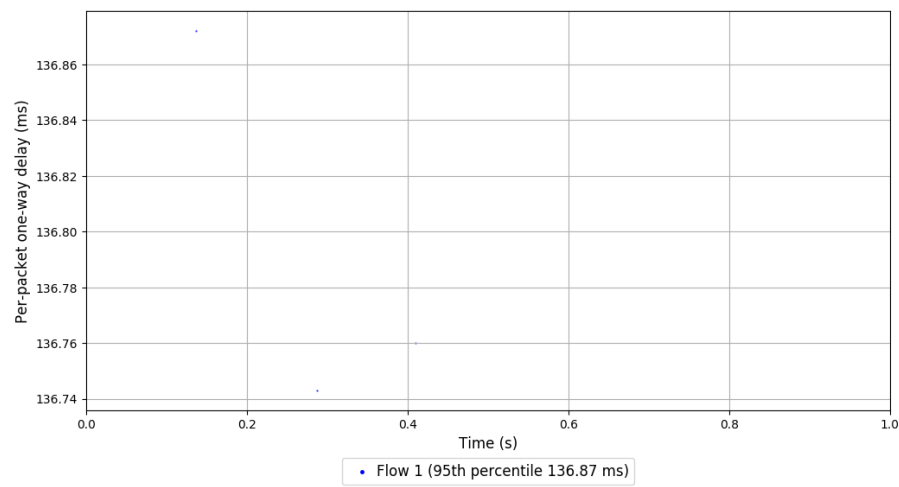
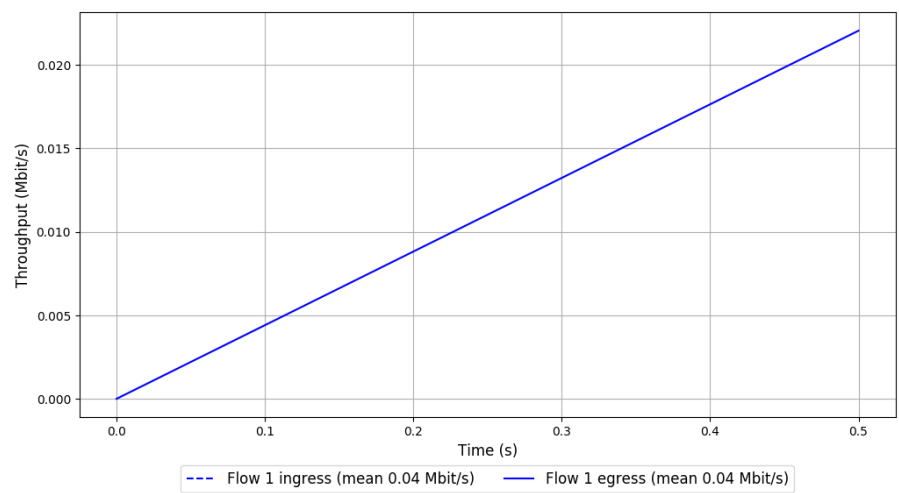
Start at: 2018-05-22 21:25:10

End at: 2018-05-22 21:25:40

Local clock offset: 0.113 ms

Remote clock offset: -0.09 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-05-22 21:46:18

End at: 2018-05-22 21:46:48

Local clock offset: -0.307 ms

Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-05-22 23:23:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.67 Mbit/s

95th percentile per-packet one-way delay: 135.339 ms

Loss rate: 0.00%

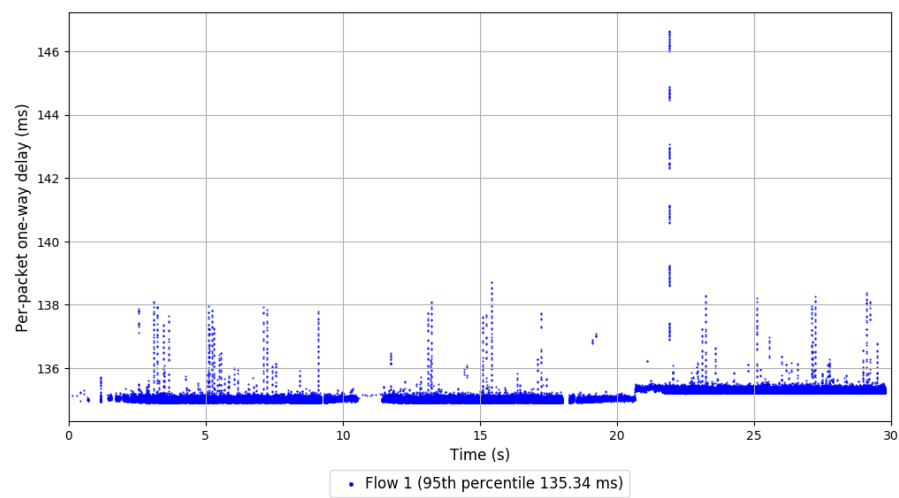
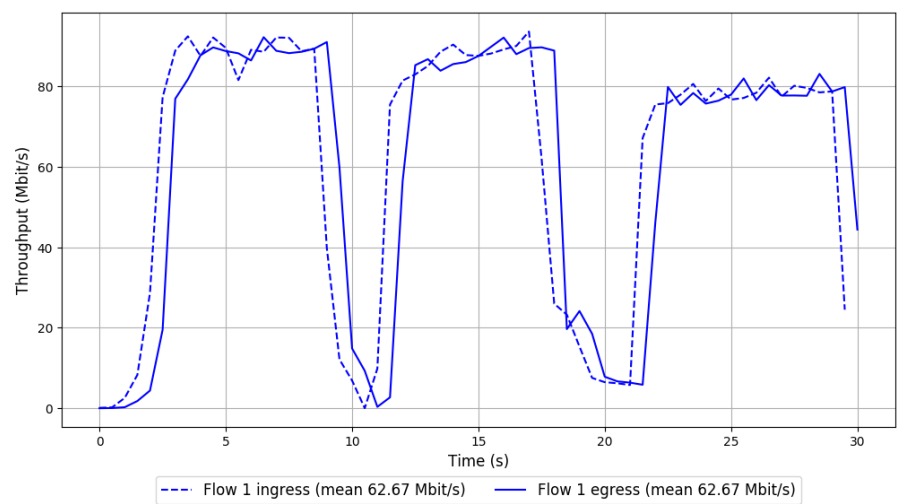
-- Flow 1:

Average throughput: 62.67 Mbit/s

95th percentile per-packet one-way delay: 135.339 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

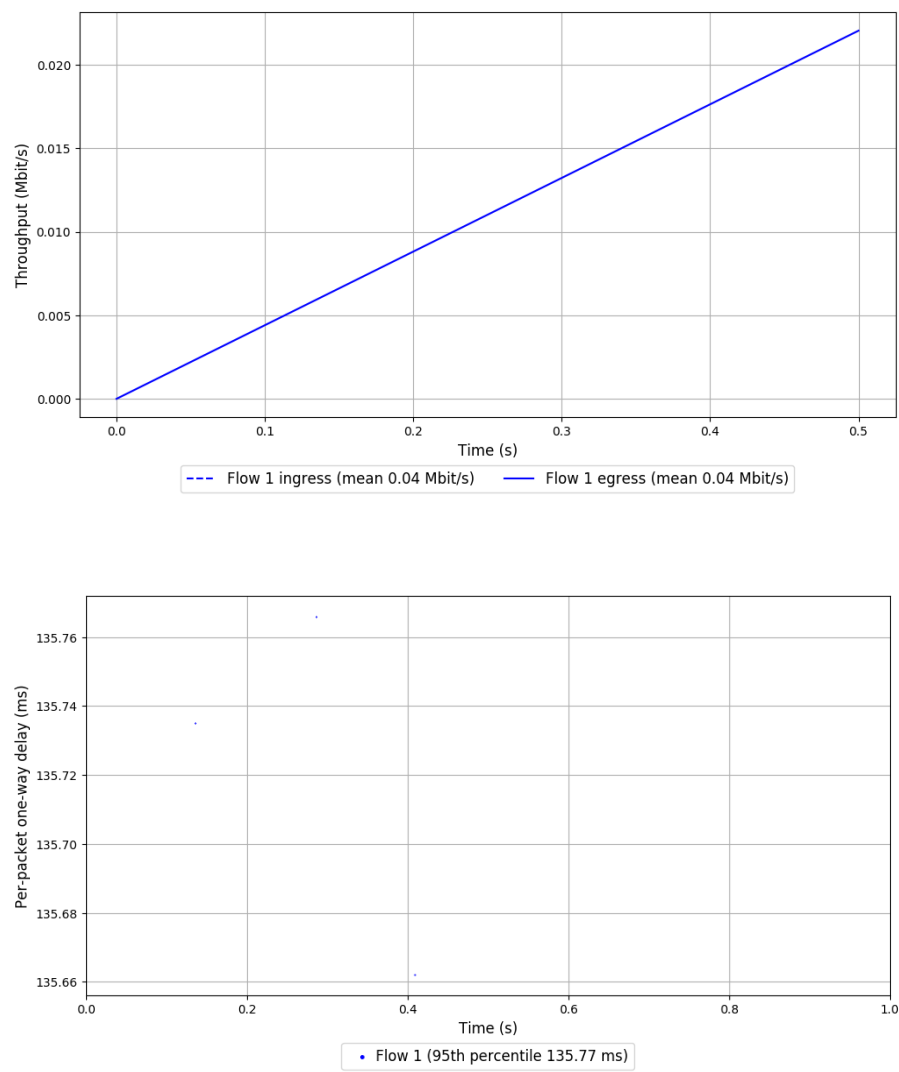
Start at: 2018-05-22 22:07:51

End at: 2018-05-22 22:08:21

Local clock offset: 0.511 ms

Remote clock offset: -0.422 ms

Run 10: Report of QUIC Cubic — Data Link

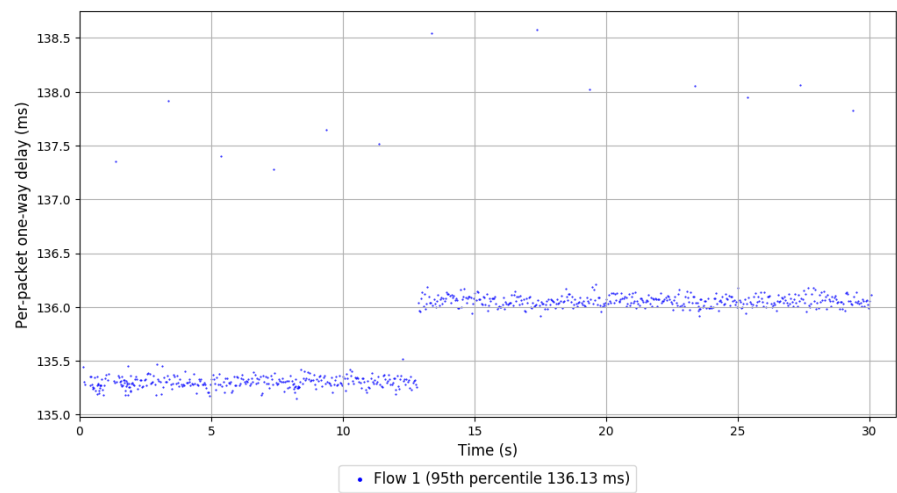
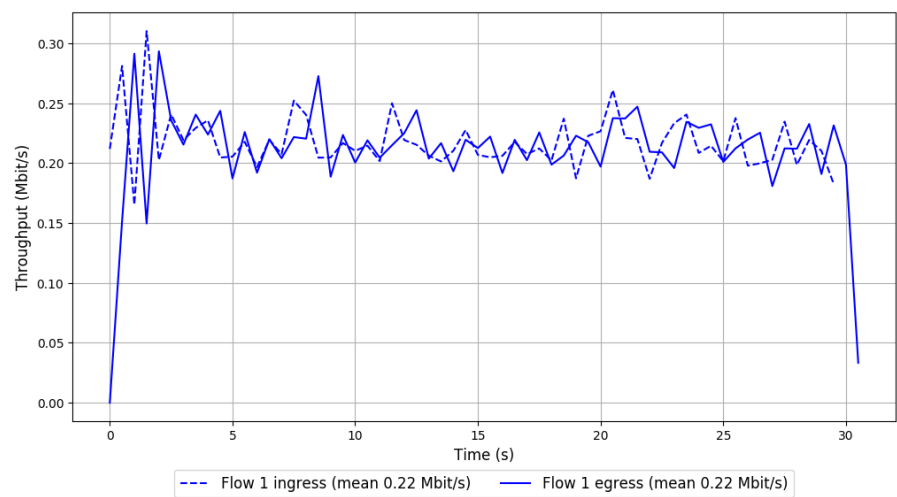


Run 1: Statistics of SCReAM

Start at: 2018-05-22 18:49:46
End at: 2018-05-22 18:50:16
Local clock offset: -0.118 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-05-22 23:23:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.134 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.134 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

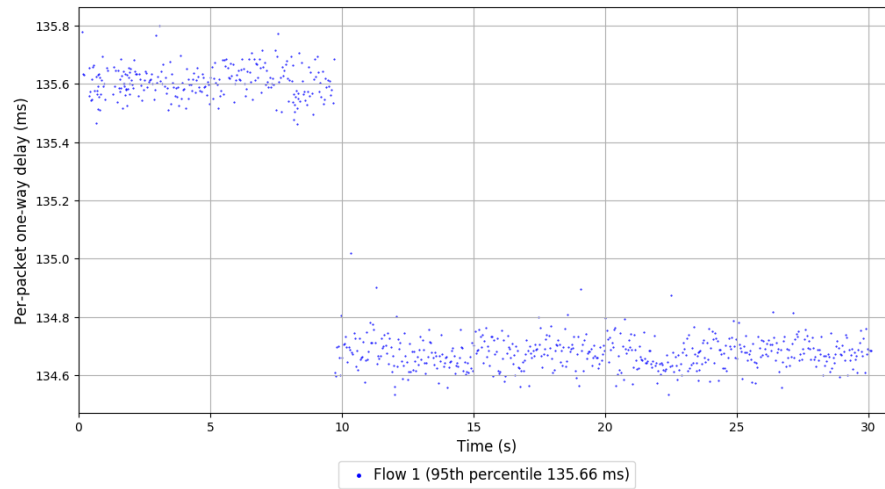
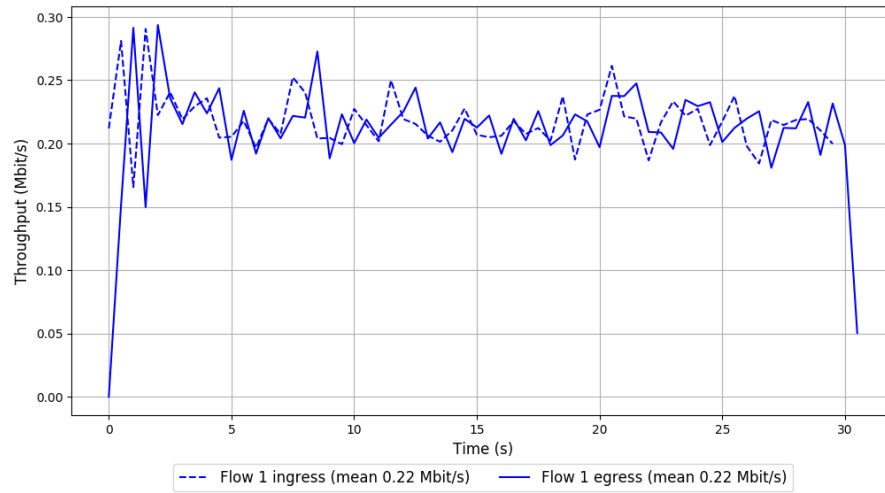


Run 2: Statistics of SCReAM

Start at: 2018-05-22 19:10:59
End at: 2018-05-22 19:11:29
Local clock offset: 0.105 ms
Remote clock offset: -0.465 ms

Below is generated by plot.py at 2018-05-22 23:23:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.658 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.658 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

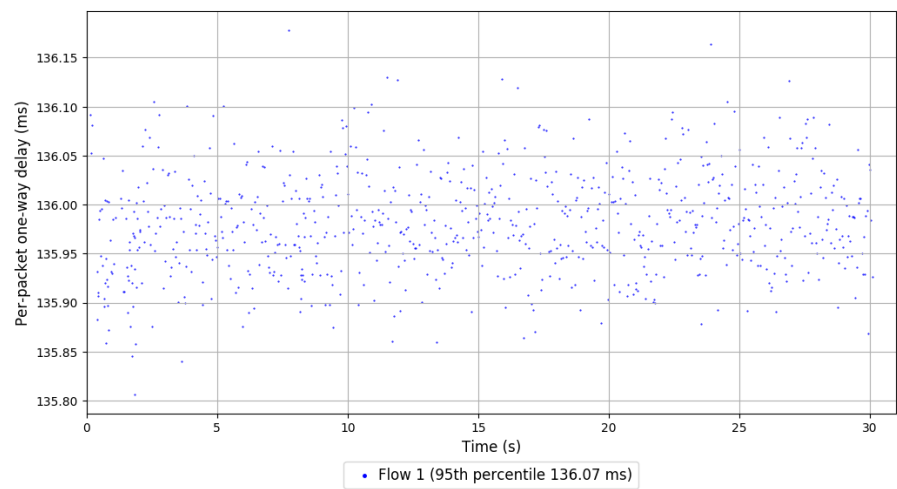
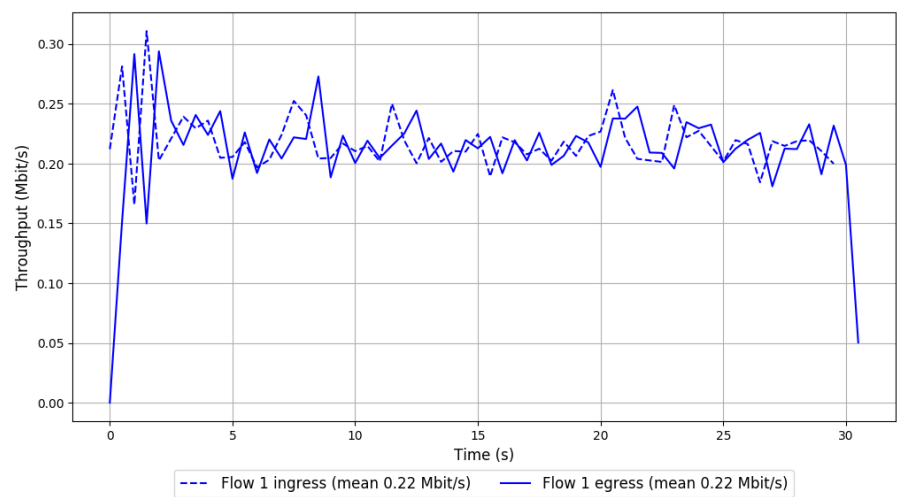


Run 3: Statistics of SCReAM

Start at: 2018-05-22 19:32:32
End at: 2018-05-22 19:33:02
Local clock offset: -0.022 ms
Remote clock offset: -0.349 ms

Below is generated by plot.py at 2018-05-22 23:23:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.073 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.073 ms
Loss rate: 0.00%

Run 3: Report of SCSReAM — Data Link

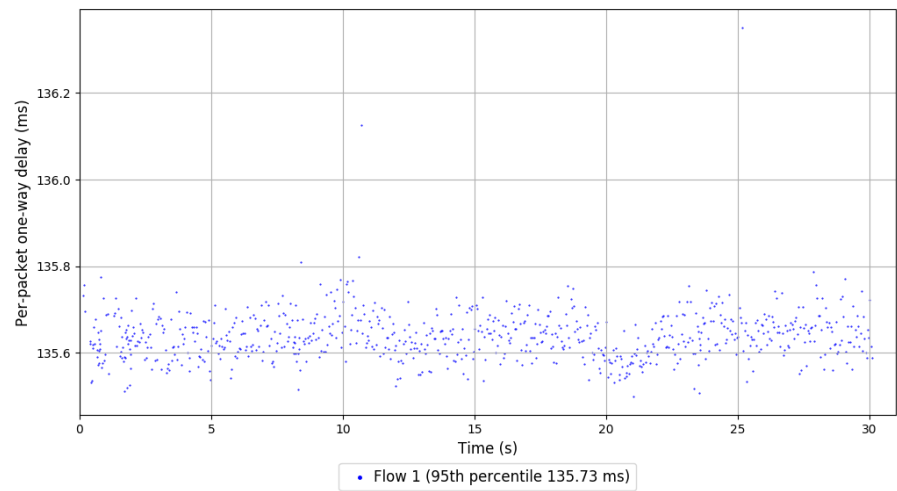
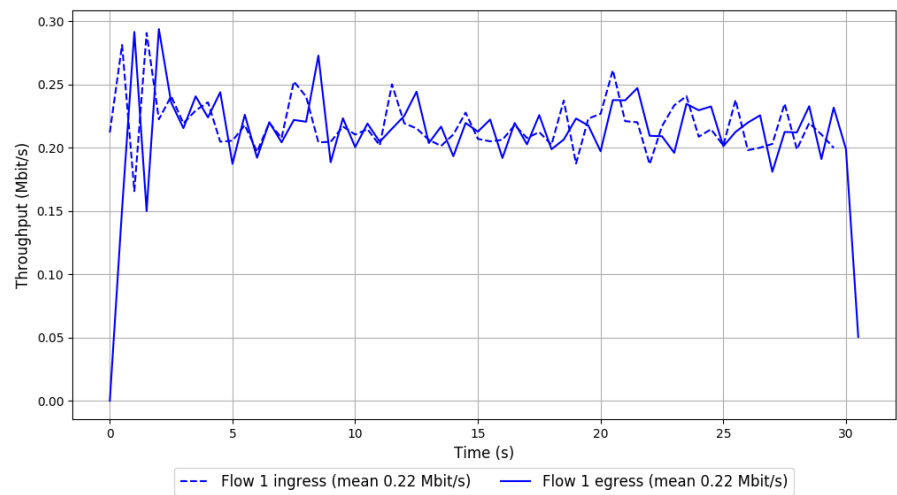


Run 4: Statistics of SCReAM

Start at: 2018-05-22 19:53:51
End at: 2018-05-22 19:54:21
Local clock offset: 0.205 ms
Remote clock offset: -0.413 ms

Below is generated by plot.py at 2018-05-22 23:23:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.726 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.726 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

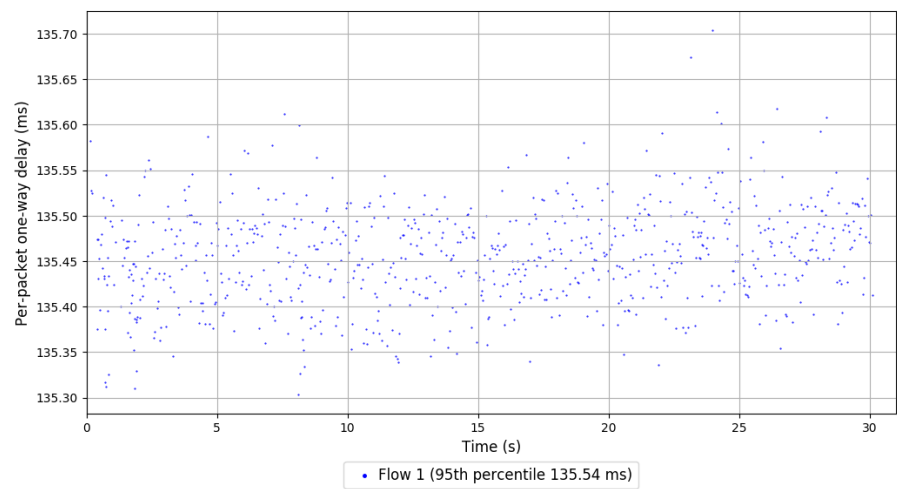
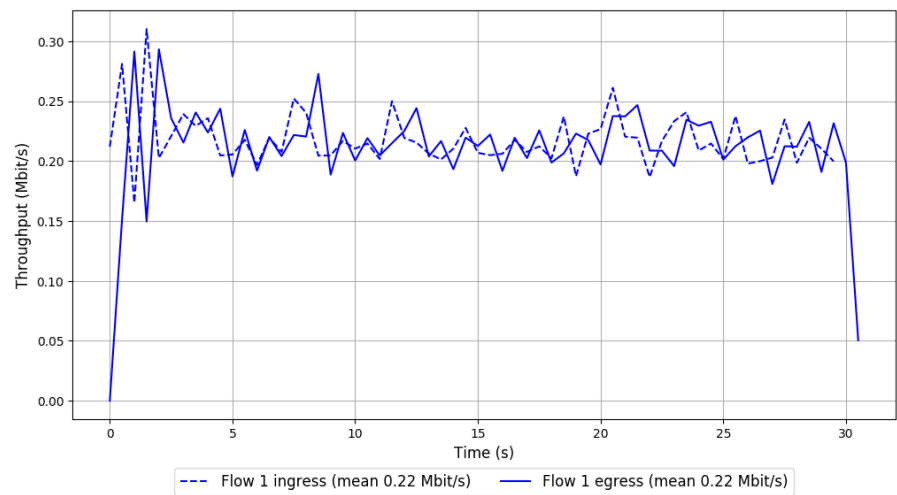


Run 5: Statistics of SCReAM

Start at: 2018-05-22 20:15:37
End at: 2018-05-22 20:16:07
Local clock offset: -0.19 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-05-22 23:23:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.543 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.543 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

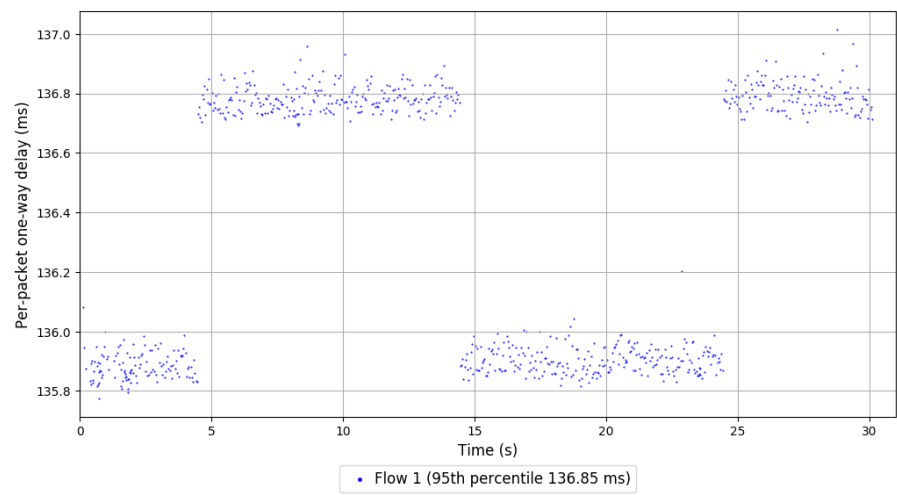
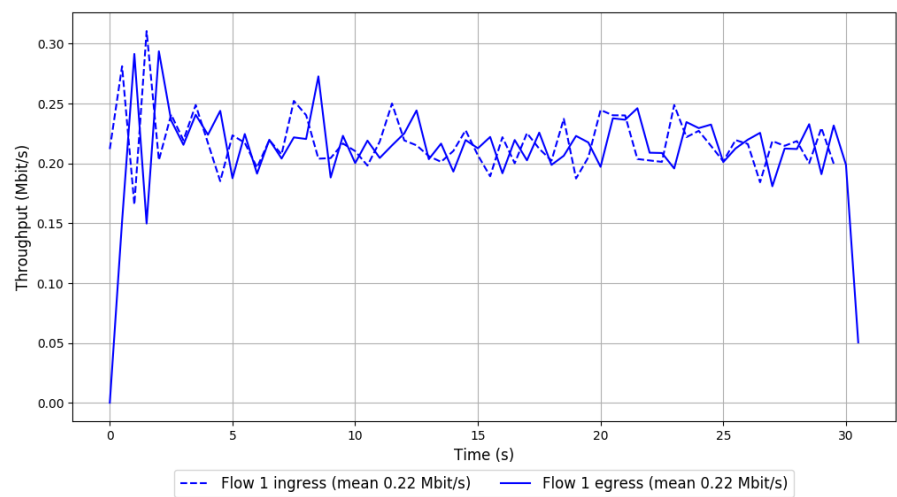


Run 6: Statistics of SCReAM

Start at: 2018-05-22 20:36:44
End at: 2018-05-22 20:37:14
Local clock offset: -0.079 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-05-22 23:23:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.848 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.848 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

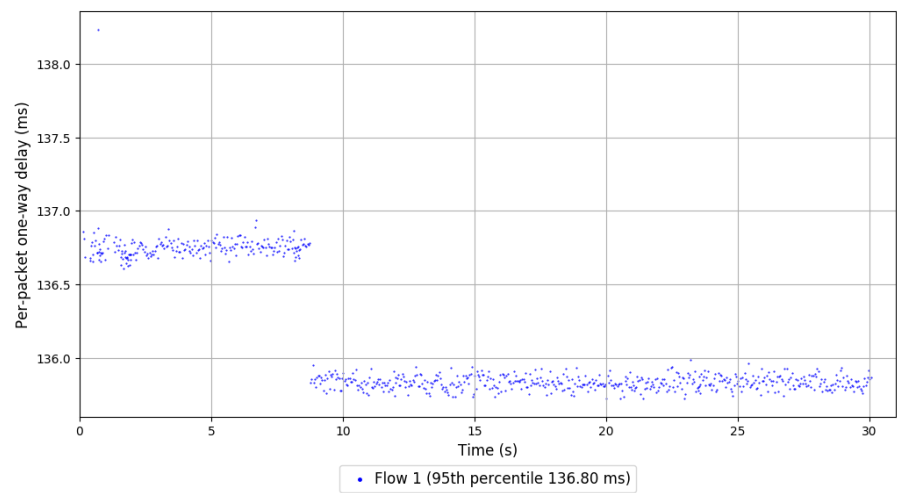
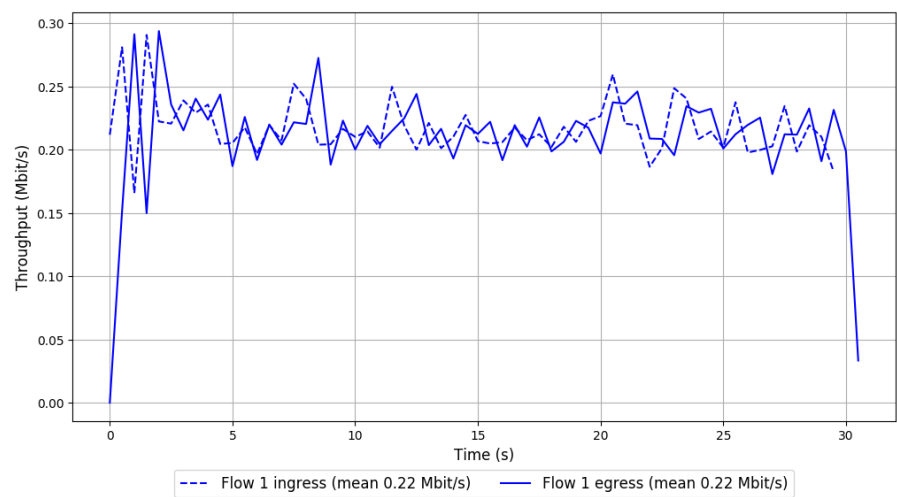


Run 7: Statistics of SCReAM

Start at: 2018-05-22 20:58:00
End at: 2018-05-22 20:58:30
Local clock offset: -0.321 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-05-22 23:23:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.799 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.799 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

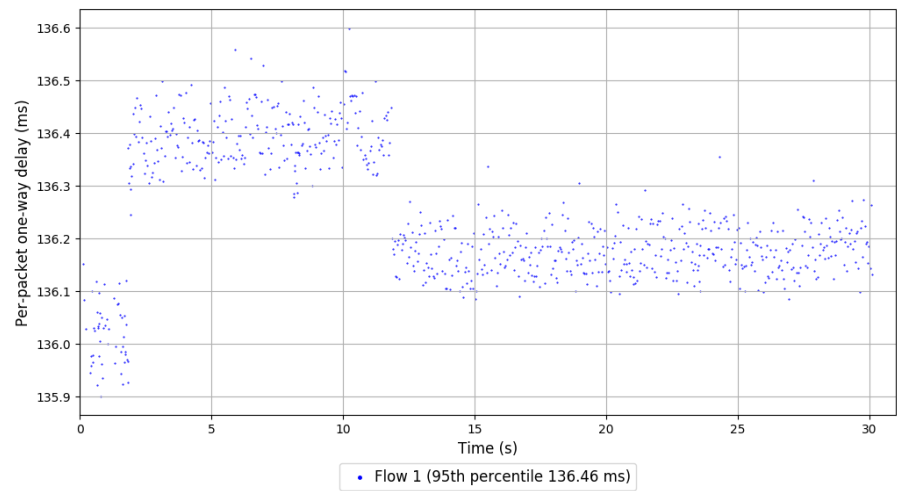
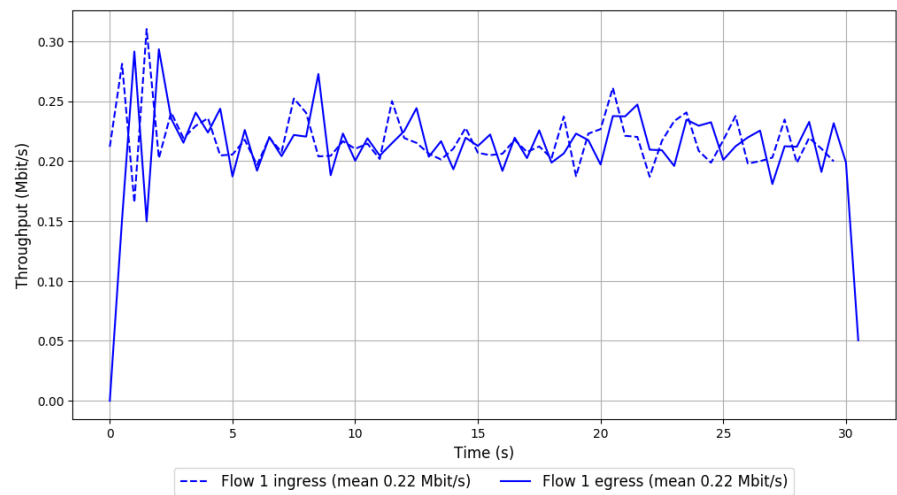


Run 8: Statistics of SCReAM

Start at: 2018-05-22 21:19:37
End at: 2018-05-22 21:20:07
Local clock offset: 0.188 ms
Remote clock offset: -0.457 ms

Below is generated by plot.py at 2018-05-22 23:23:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.455 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.455 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-05-22 21:40:40

End at: 2018-05-22 21:41:10

Local clock offset: 0.244 ms

Remote clock offset: 0.327 ms

Below is generated by plot.py at 2018-05-22 23:23:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.353 ms

Loss rate: 0.00%

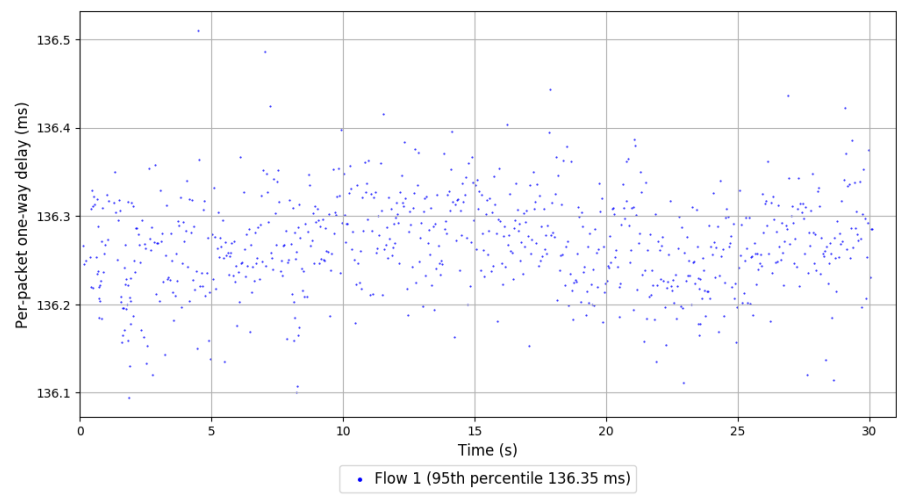
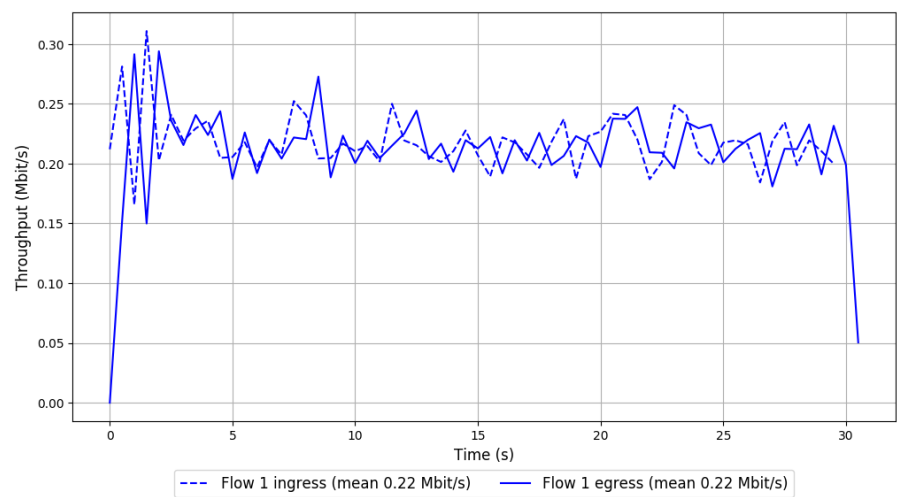
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.353 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-05-22 22:02:10

End at: 2018-05-22 22:02:40

Local clock offset: -0.134 ms

Remote clock offset: -0.38 ms

Below is generated by plot.py at 2018-05-22 23:23:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.409 ms

Loss rate: 0.00%

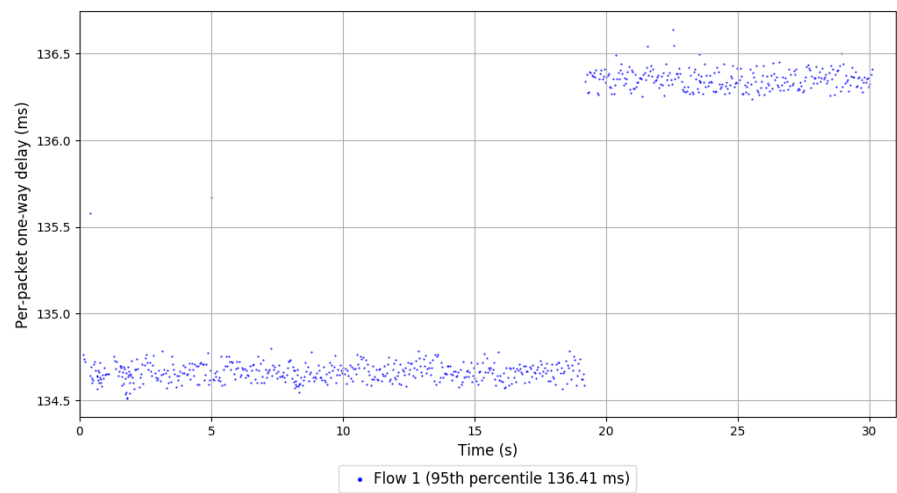
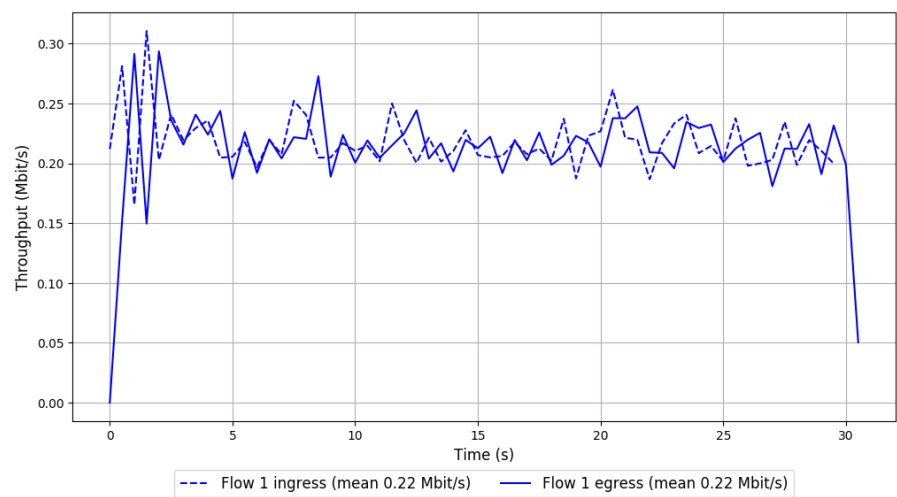
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.409 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

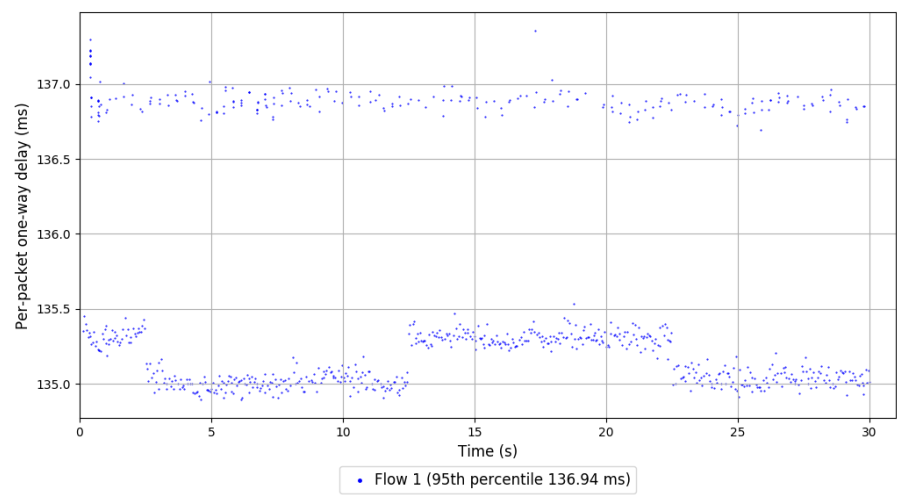
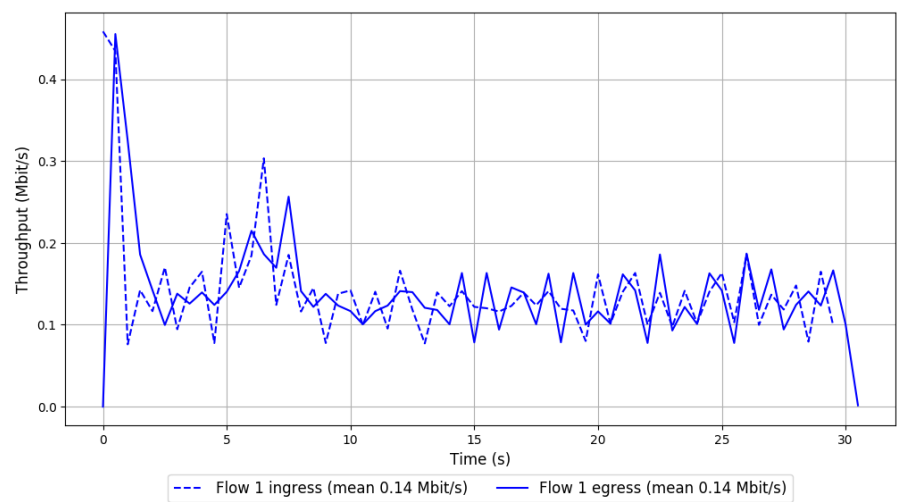


Run 1: Statistics of Sprout

Start at: 2018-05-22 18:57:46
End at: 2018-05-22 18:58:16
Local clock offset: -0.235 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-05-22 23:23:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 136.937 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 136.937 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-05-22 19:18:56

End at: 2018-05-22 19:19:26

Local clock offset: -0.101 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-05-22 23:23:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 136.451 ms

Loss rate: 0.00%

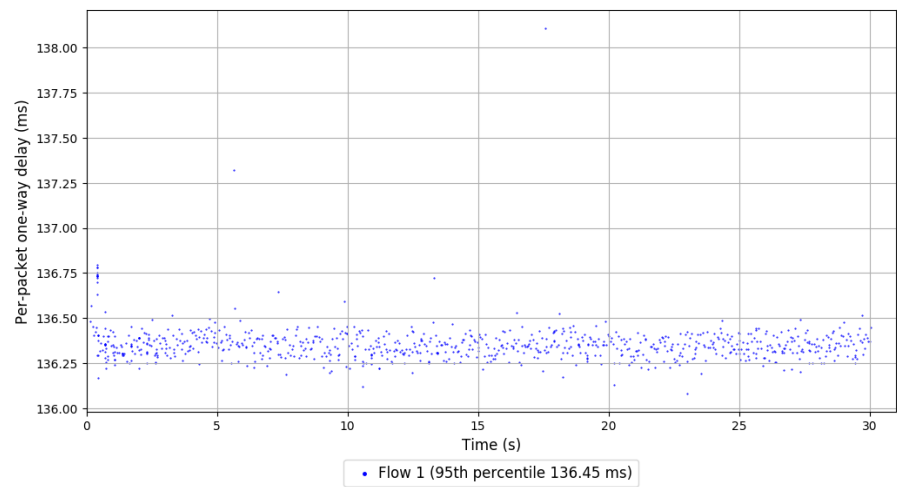
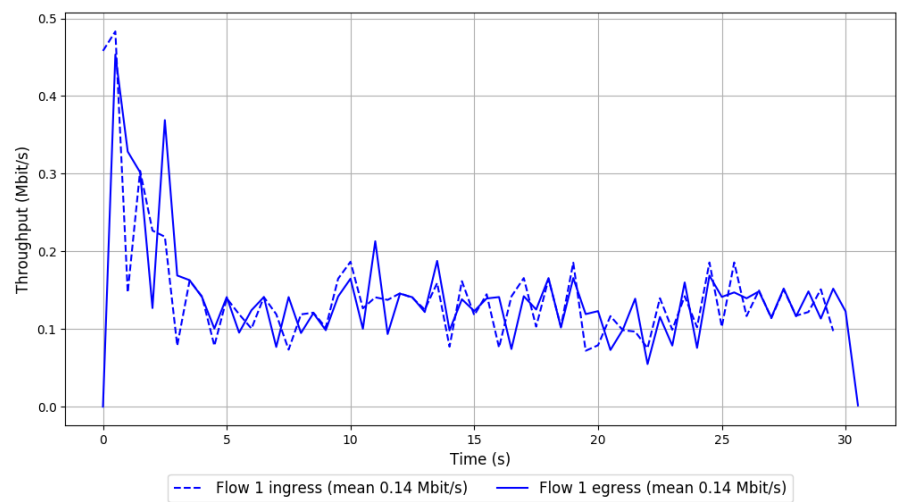
-- Flow 1:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 136.451 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-05-22 19:40:29

End at: 2018-05-22 19:40:59

Local clock offset: 0.199 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-05-22 23:23:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 136.564 ms

Loss rate: 0.00%

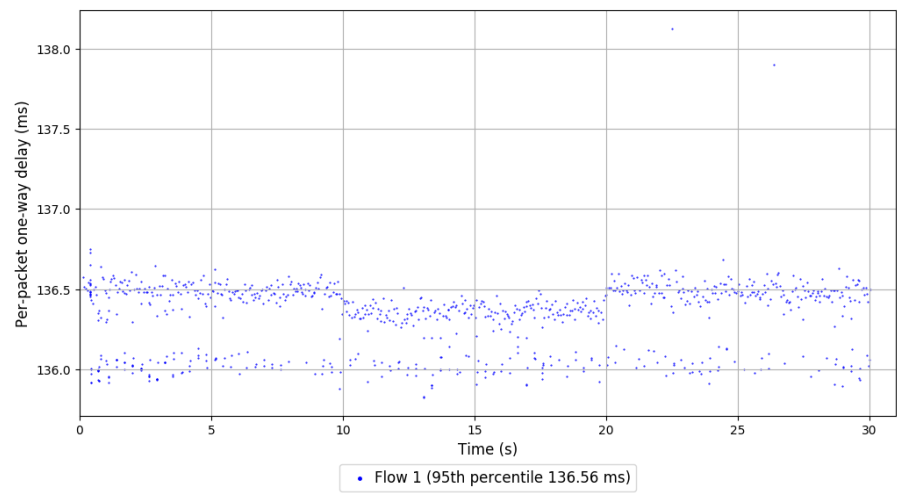
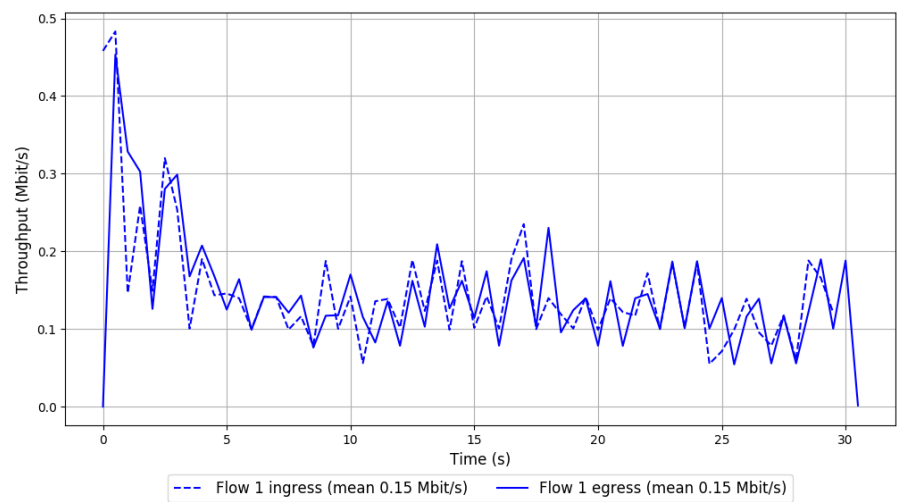
-- Flow 1:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 136.564 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-05-22 20:02:00

End at: 2018-05-22 20:02:30

Local clock offset: 0.164 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-05-22 23:23:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 136.543 ms

Loss rate: 0.00%

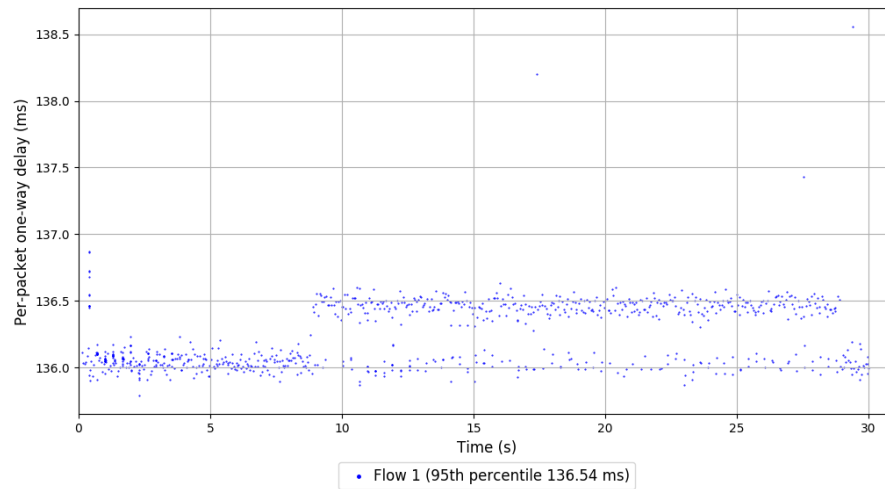
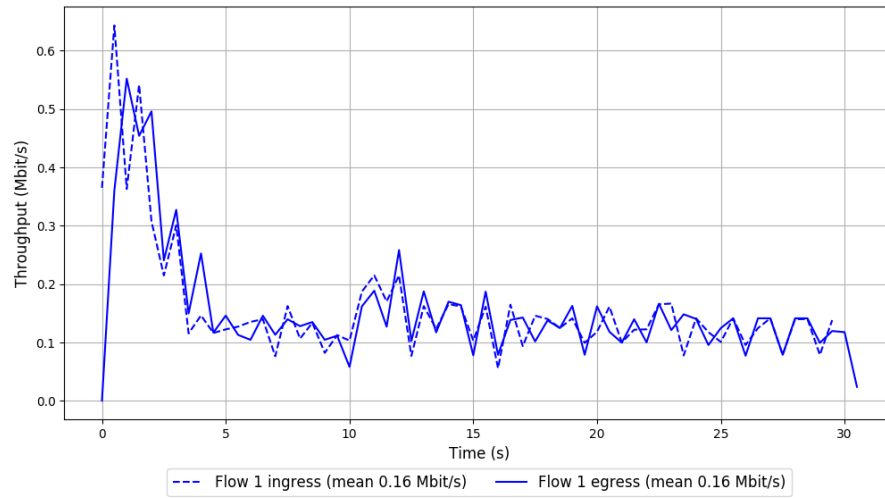
-- Flow 1:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 136.543 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

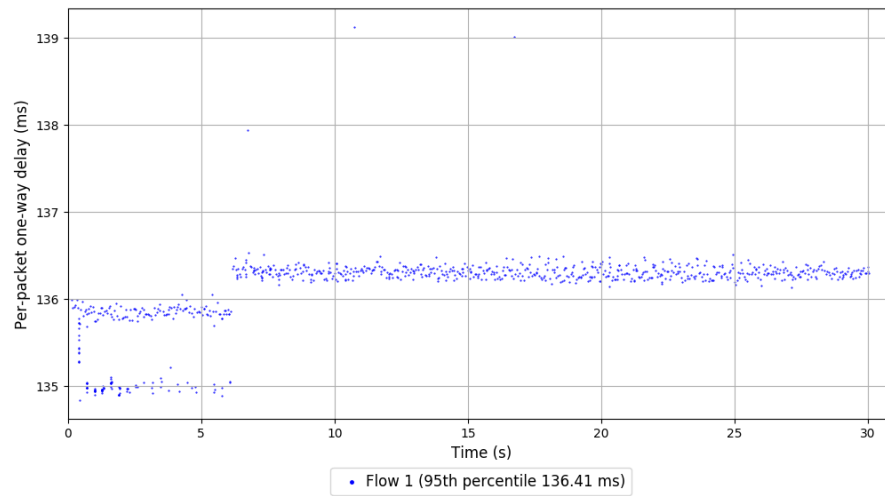
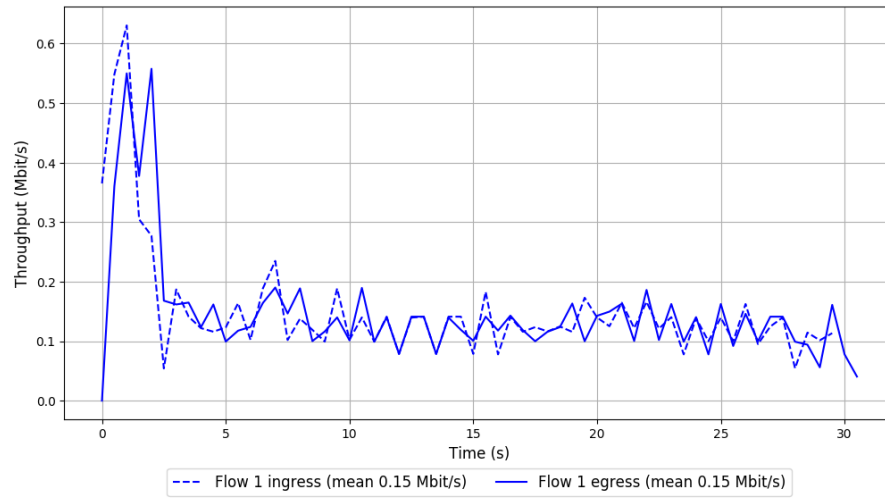


Run 5: Statistics of Sprout

Start at: 2018-05-22 20:23:23
End at: 2018-05-22 20:23:53
Local clock offset: 0.283 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-05-22 23:23:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.409 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.409 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-05-22 20:44:33

End at: 2018-05-22 20:45:03

Local clock offset: -0.302 ms

Remote clock offset: 0.28 ms

Below is generated by plot.py at 2018-05-22 23:23:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 137.342 ms

Loss rate: 0.00%

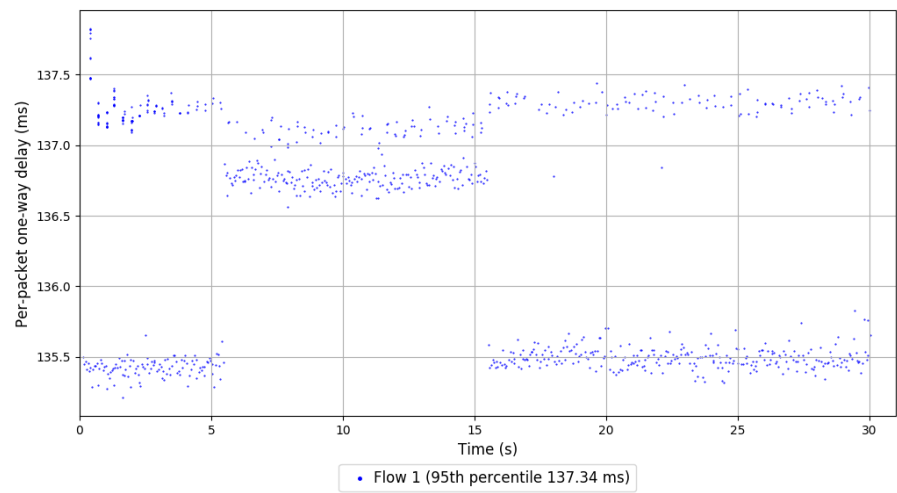
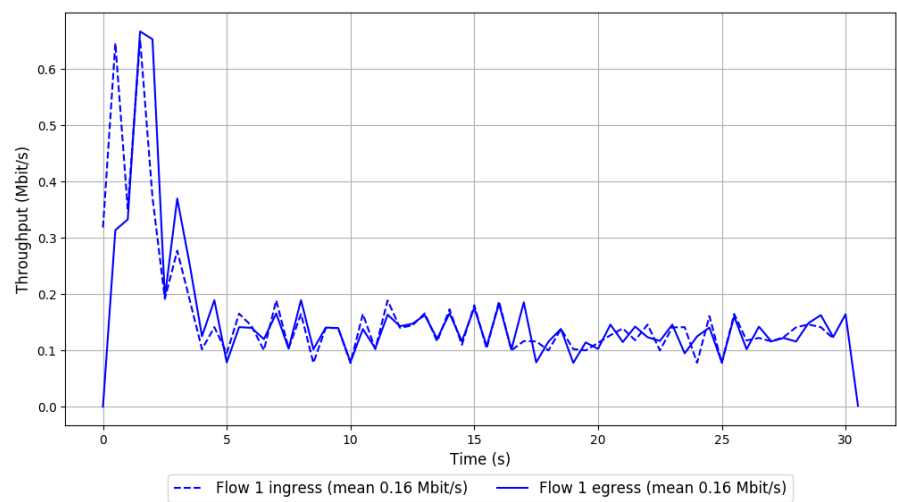
-- Flow 1:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 137.342 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

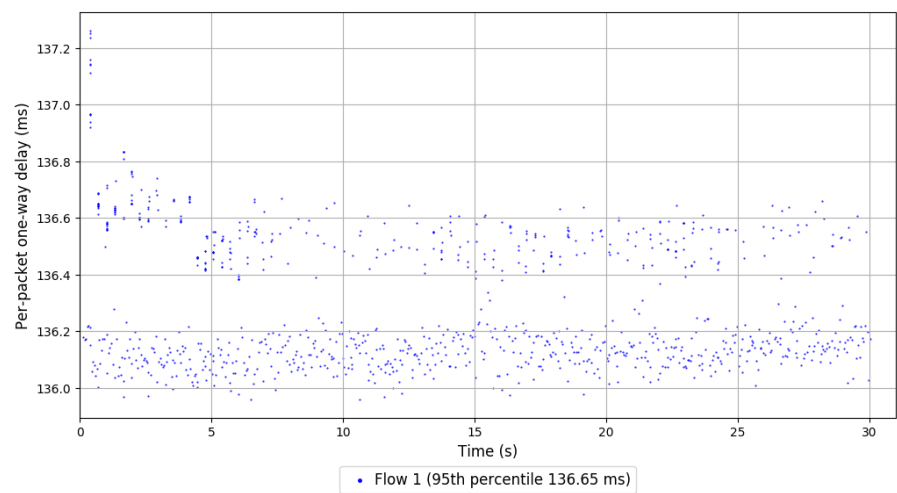
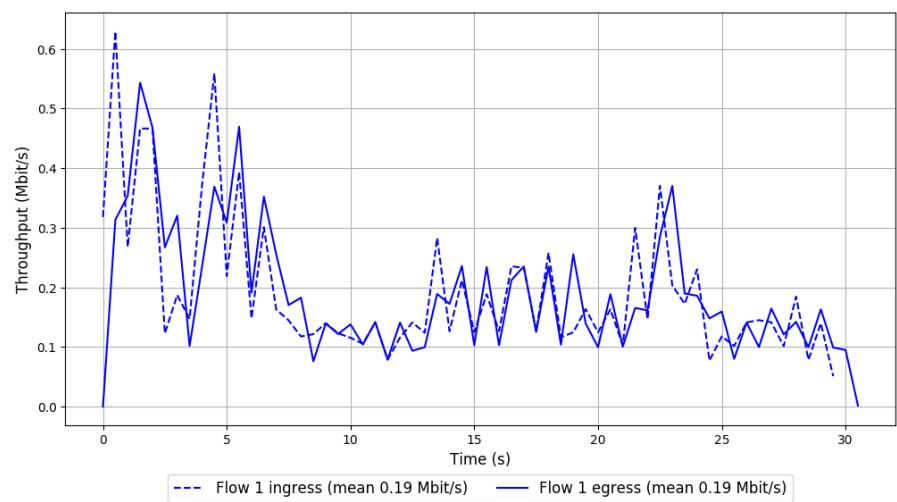


Run 7: Statistics of Sprout

Start at: 2018-05-22 21:05:50
End at: 2018-05-22 21:06:21
Local clock offset: 0.04 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-05-22 23:23:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 136.652 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 136.652 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

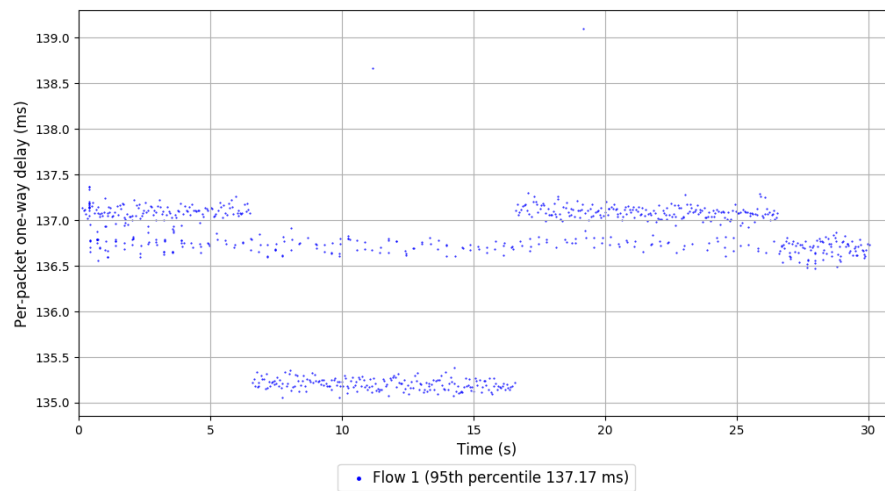
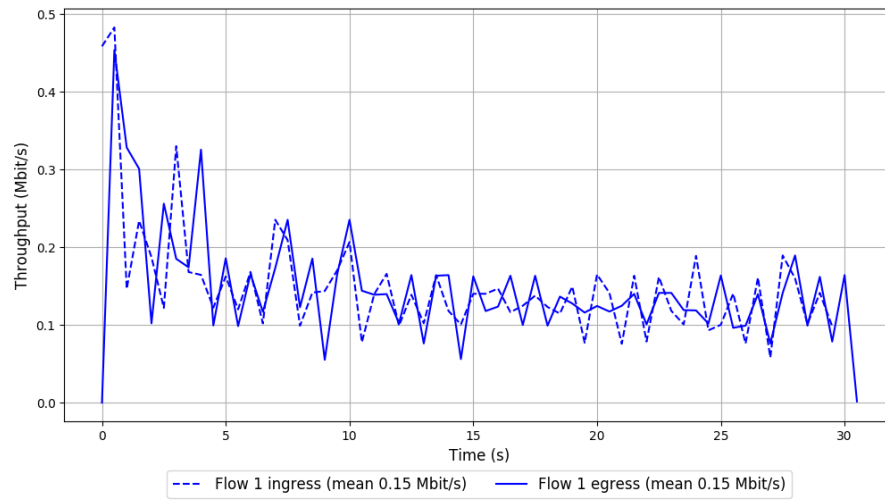


Run 8: Statistics of Sprout

Start at: 2018-05-22 21:27:32
End at: 2018-05-22 21:28:02
Local clock offset: 0.008 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-05-22 23:23:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 137.173 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 137.173 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-05-22 21:48:44

End at: 2018-05-22 21:49:14

Local clock offset: 0.311 ms

Remote clock offset: 0.356 ms

Below is generated by plot.py at 2018-05-22 23:23:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 135.480 ms

Loss rate: 0.00%

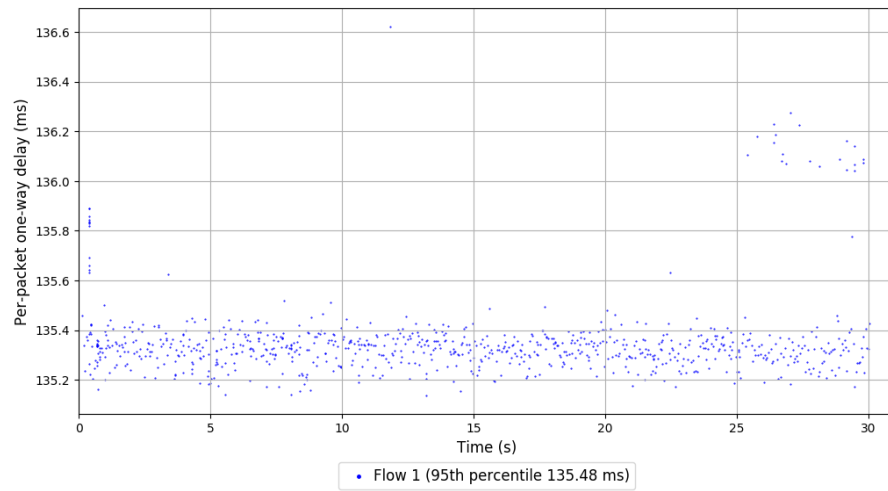
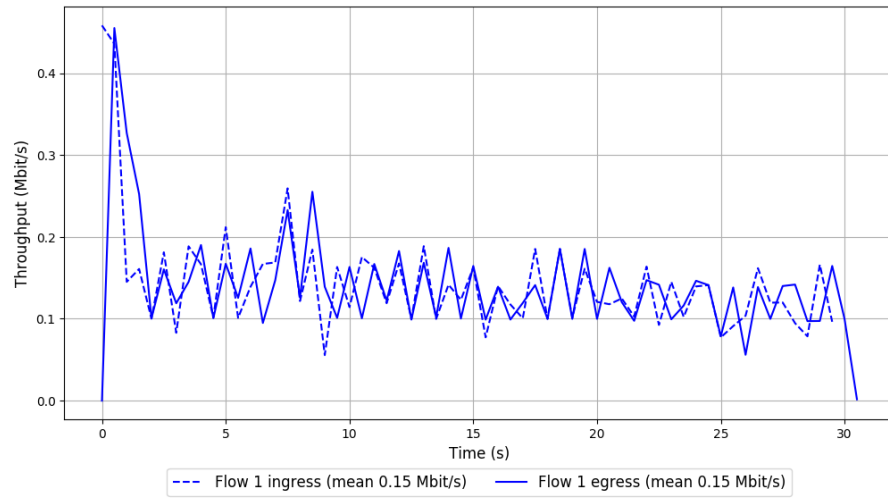
-- Flow 1:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 135.480 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

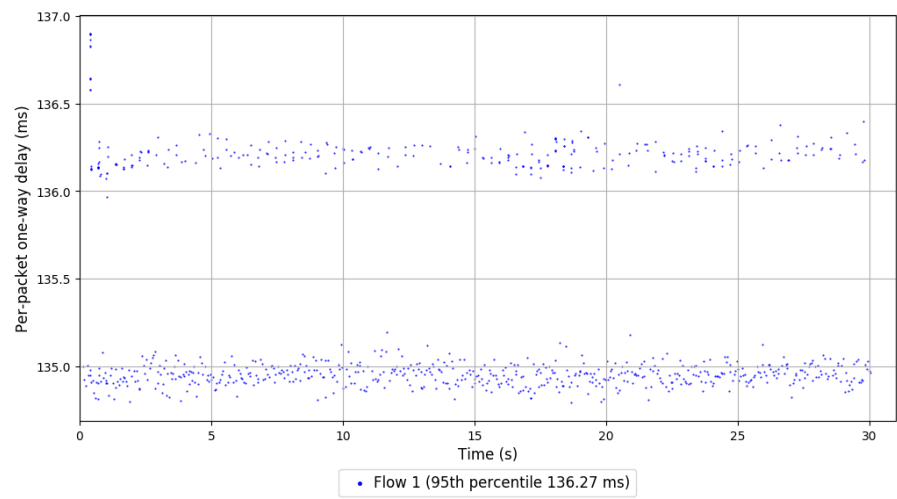
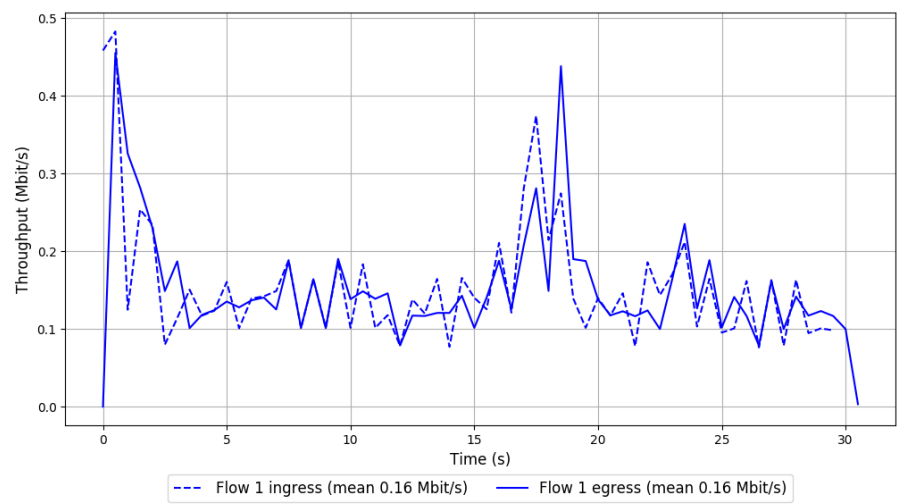


Run 10: Statistics of Sprout

Start at: 2018-05-22 22:10:13
End at: 2018-05-22 22:10:43
Local clock offset: -0.03 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-05-22 23:23:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.271 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.271 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

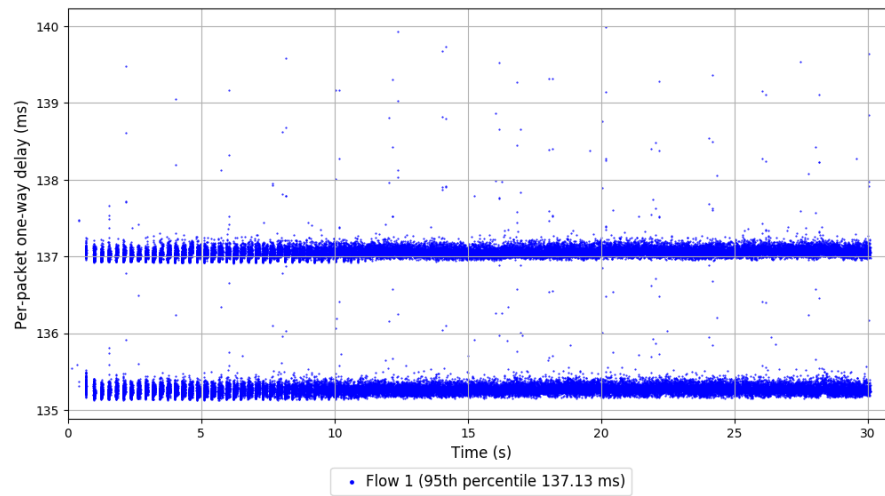
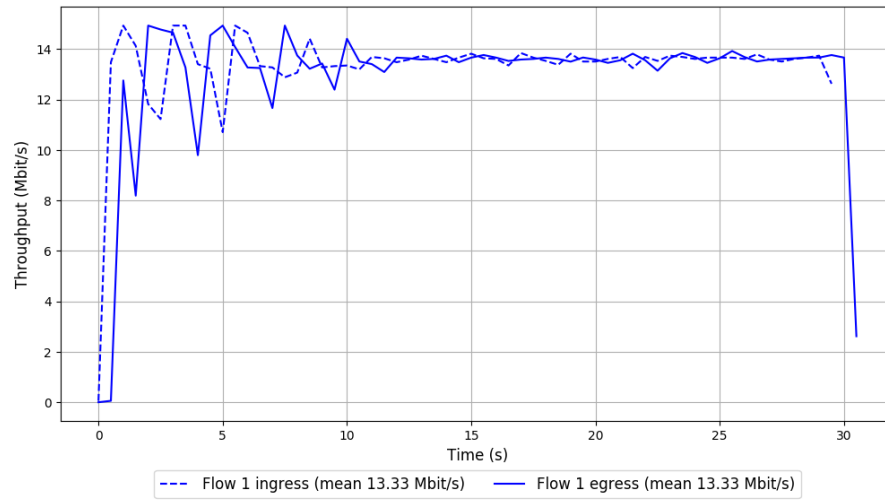


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-05-22 18:44:15
End at: 2018-05-22 18:44:45
Local clock offset: -0.183 ms
Remote clock offset: 0.301 ms

# Below is generated by plot.py at 2018-05-22 23:23:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.33 Mbit/s
95th percentile per-packet one-way delay: 137.131 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.33 Mbit/s
95th percentile per-packet one-way delay: 137.131 ms
Loss rate: 0.00%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-05-22 19:05:28

End at: 2018-05-22 19:05:58

Local clock offset: -0.181 ms

Remote clock offset: 0.306 ms

Below is generated by plot.py at 2018-05-22 23:23:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.26 Mbit/s

95th percentile per-packet one-way delay: 137.134 ms

Loss rate: 0.00%

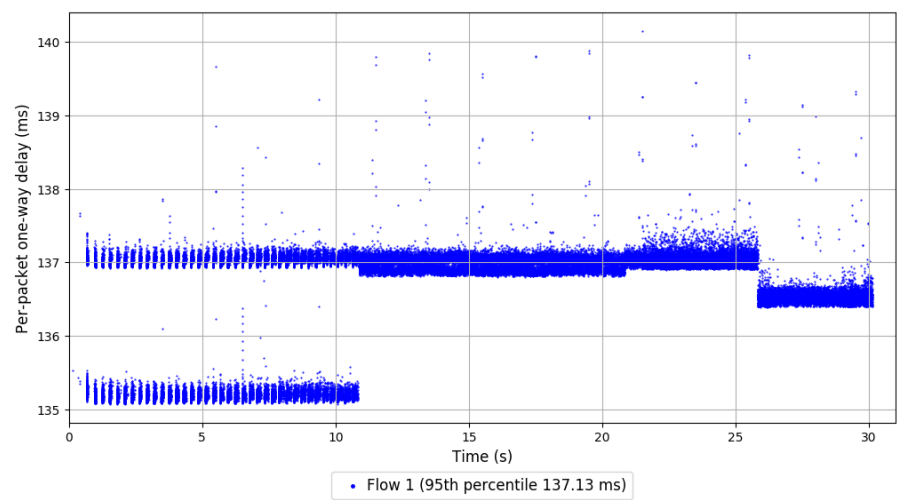
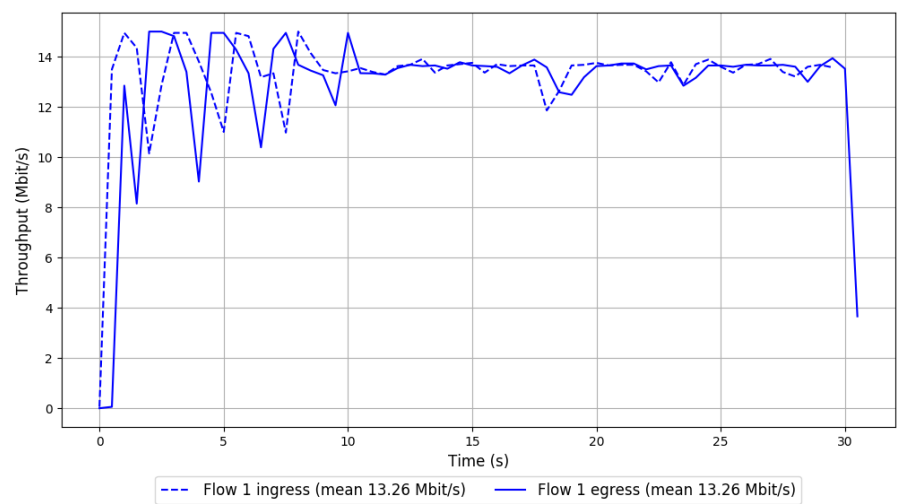
-- Flow 1:

Average throughput: 13.26 Mbit/s

95th percentile per-packet one-way delay: 137.134 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-05-22 19:26:42

End at: 2018-05-22 19:27:12

Local clock offset: 0.201 ms

Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-05-22 23:24:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 207.47 Mbit/s

95th percentile per-packet one-way delay: 135.988 ms

Loss rate: 0.00%

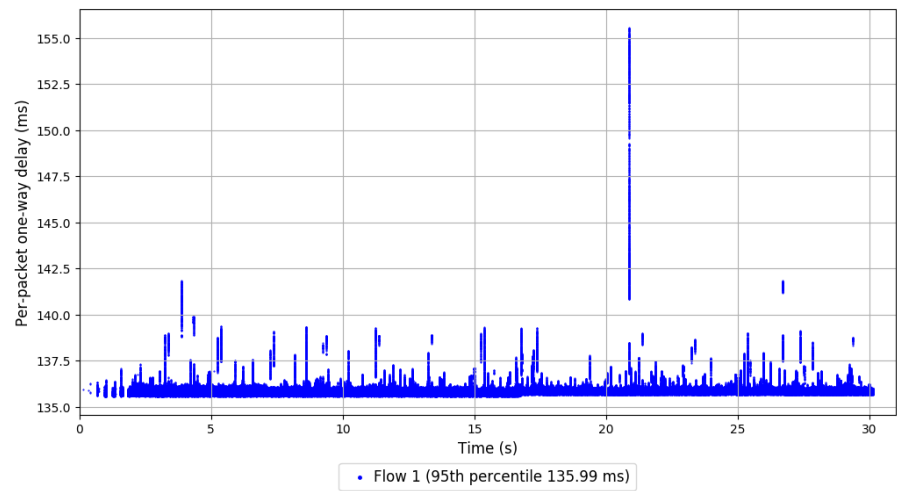
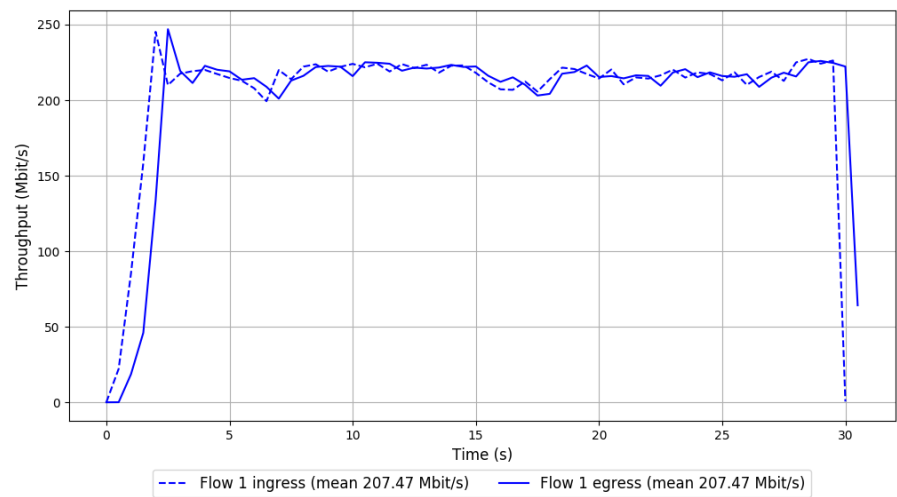
-- Flow 1:

Average throughput: 207.47 Mbit/s

95th percentile per-packet one-way delay: 135.988 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-05-22 19:48:21

End at: 2018-05-22 19:48:51

Local clock offset: 0.354 ms

Remote clock offset: -0.499 ms

Below is generated by plot.py at 2018-05-22 23:24:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.43 Mbit/s

95th percentile per-packet one-way delay: 135.349 ms

Loss rate: 0.00%

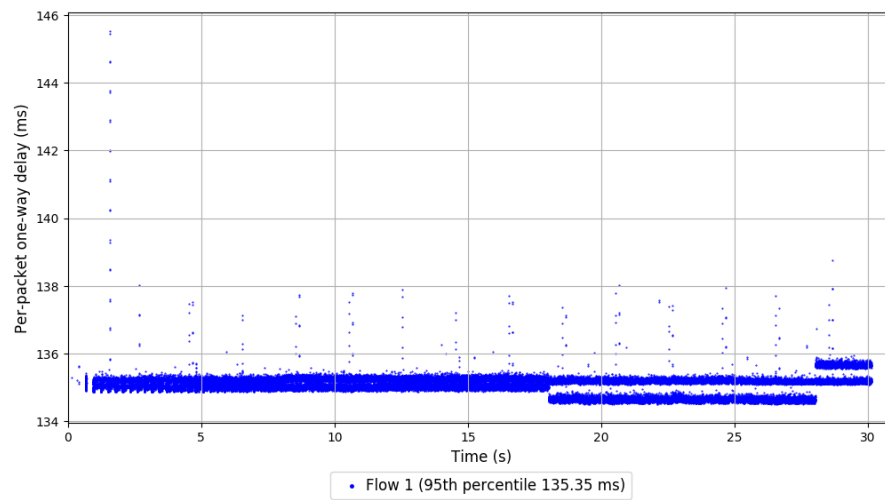
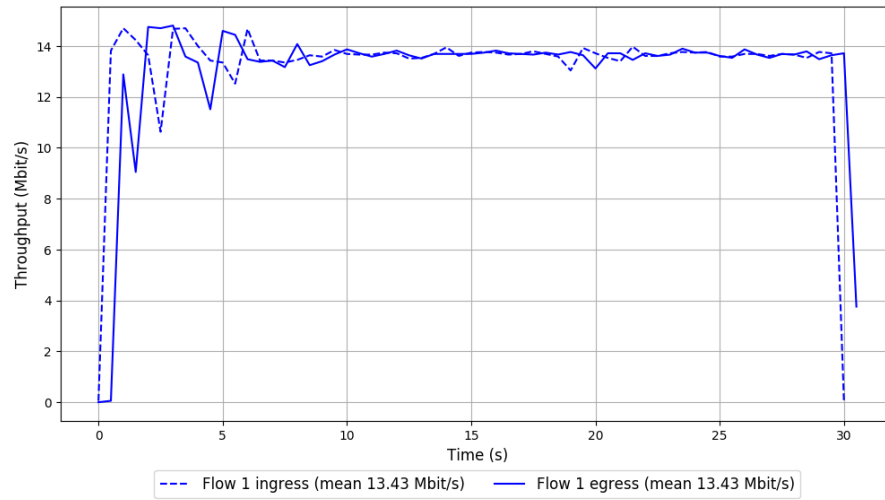
-- Flow 1:

Average throughput: 13.43 Mbit/s

95th percentile per-packet one-way delay: 135.349 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-05-22 20:09:48

End at: 2018-05-22 20:10:18

Local clock offset: 0.284 ms

Remote clock offset: 0.294 ms

Below is generated by plot.py at 2018-05-22 23:25:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.02 Mbit/s

95th percentile per-packet one-way delay: 136.592 ms

Loss rate: 0.00%

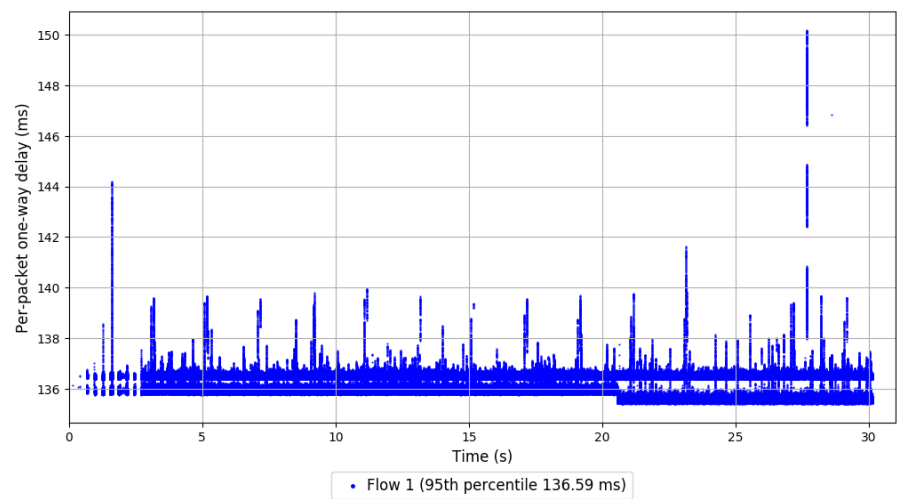
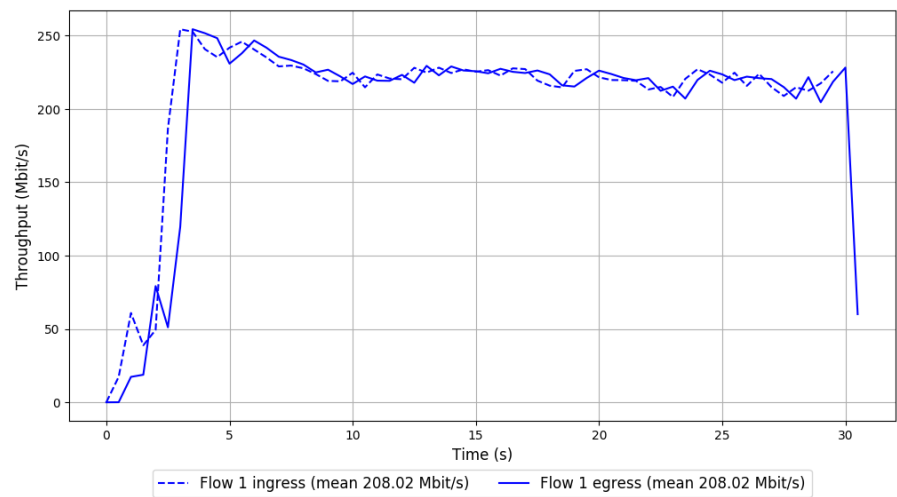
-- Flow 1:

Average throughput: 208.02 Mbit/s

95th percentile per-packet one-way delay: 136.592 ms

Loss rate: 0.00%

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

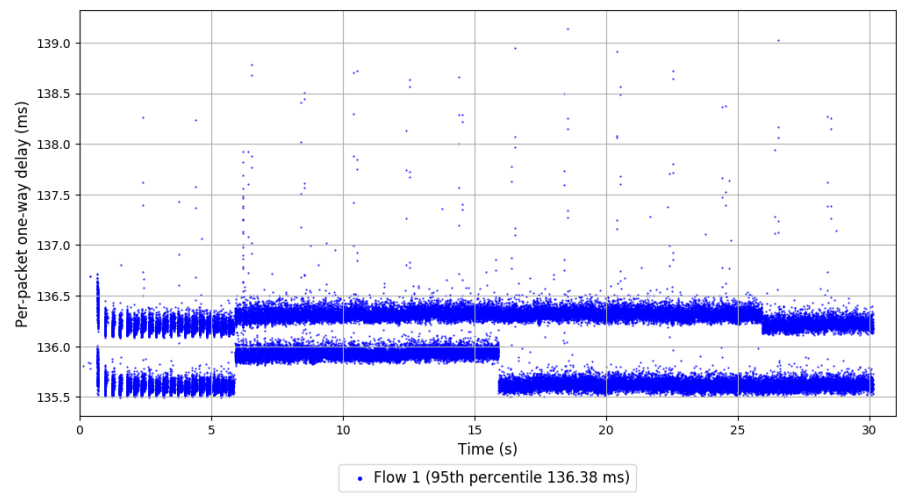
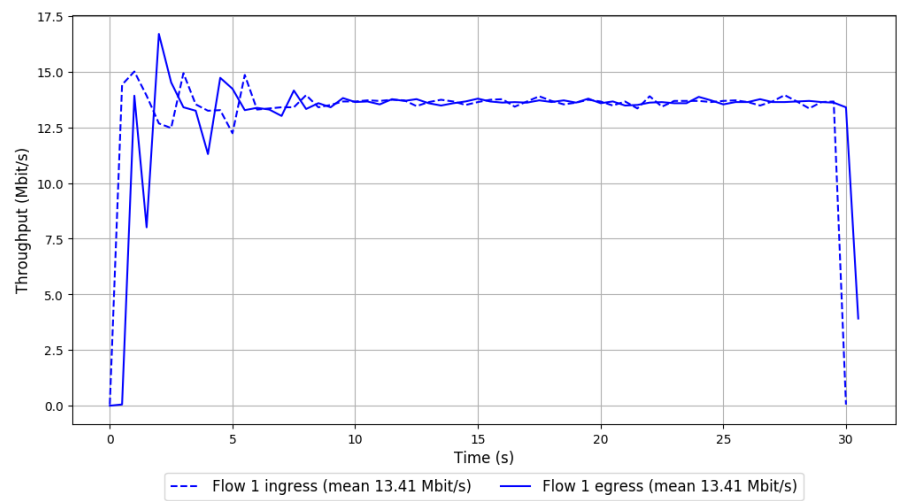


Run 6: Statistics of TaoVA-100x

Start at: 2018-05-22 20:31:13
End at: 2018-05-22 20:31:43
Local clock offset: -0.268 ms
Remote clock offset: -0.457 ms

Below is generated by plot.py at 2018-05-22 23:25:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.41 Mbit/s
95th percentile per-packet one-way delay: 136.375 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.41 Mbit/s
95th percentile per-packet one-way delay: 136.375 ms
Loss rate: 0.00%

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

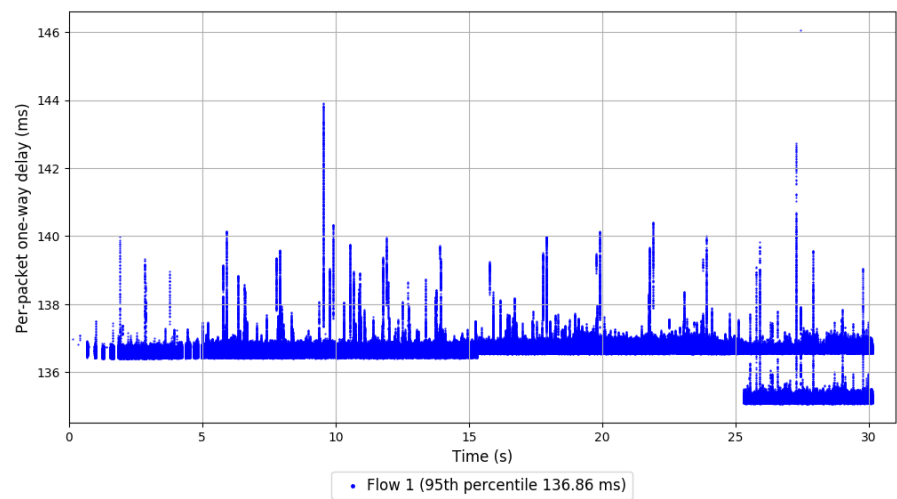
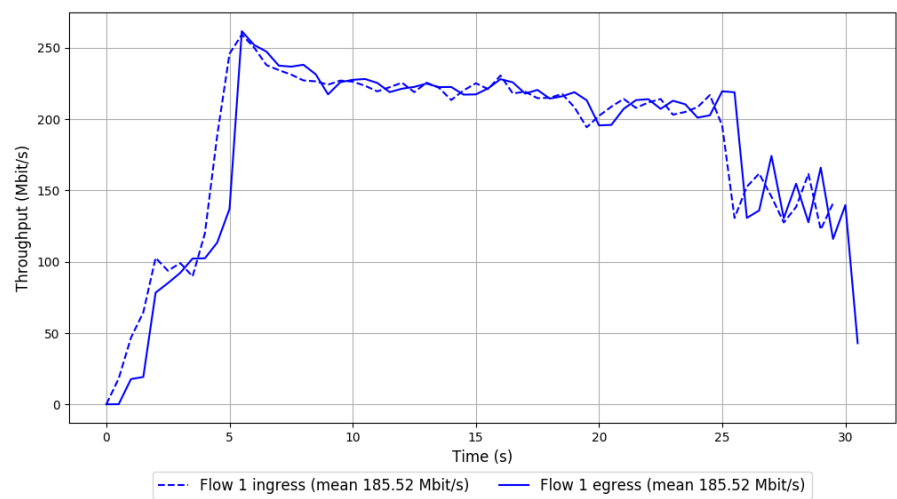


Run 7: Statistics of TaoVA-100x

Start at: 2018-05-22 20:52:14
End at: 2018-05-22 20:52:44
Local clock offset: -0.238 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-05-22 23:26:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 185.52 Mbit/s
95th percentile per-packet one-way delay: 136.856 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 185.52 Mbit/s
95th percentile per-packet one-way delay: 136.856 ms
Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-05-22 21:13:44

End at: 2018-05-22 21:14:15

Local clock offset: 0.527 ms

Remote clock offset: -0.402 ms

Below is generated by plot.py at 2018-05-22 23:28:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.21 Mbit/s

95th percentile per-packet one-way delay: 135.746 ms

Loss rate: 0.00%

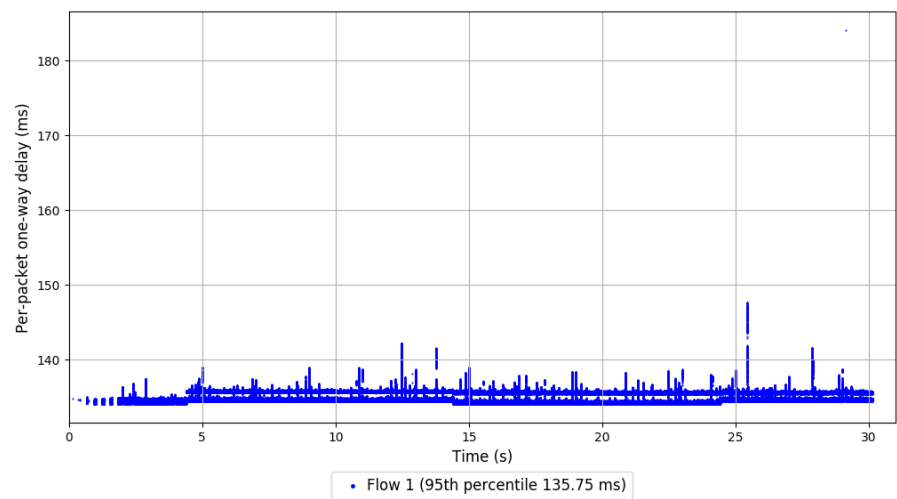
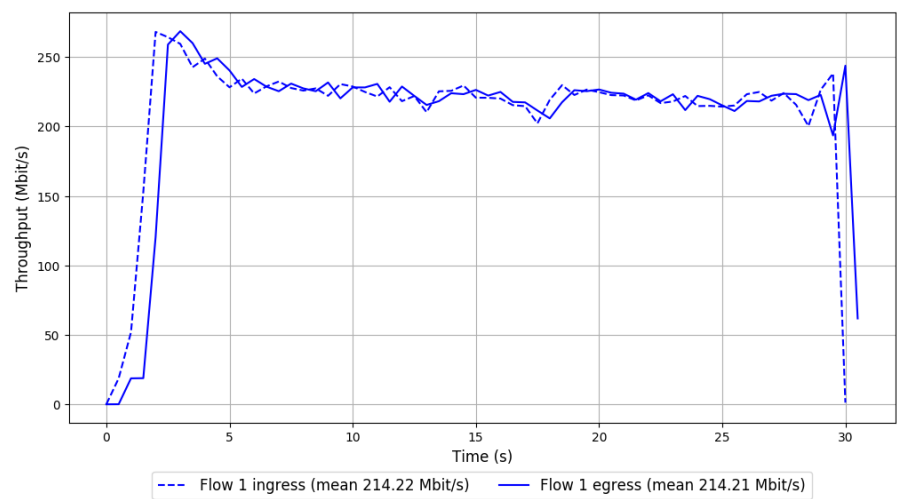
-- Flow 1:

Average throughput: 214.21 Mbit/s

95th percentile per-packet one-way delay: 135.746 ms

Loss rate: 0.00%

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

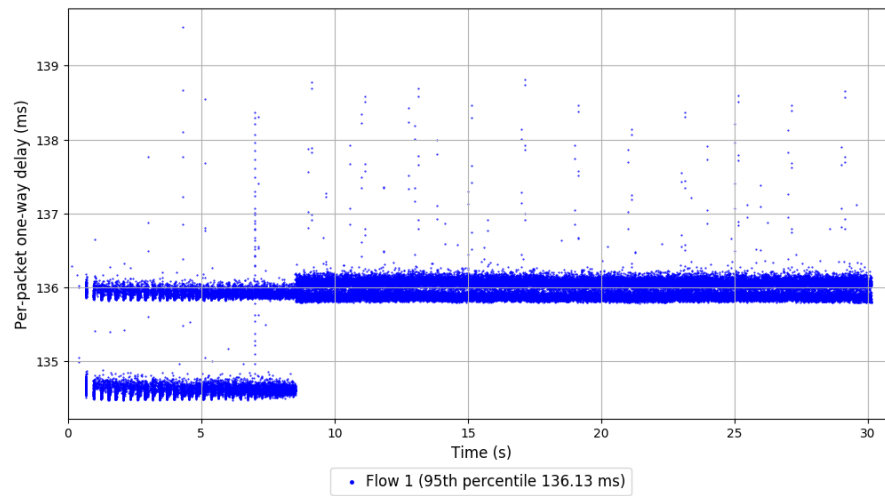
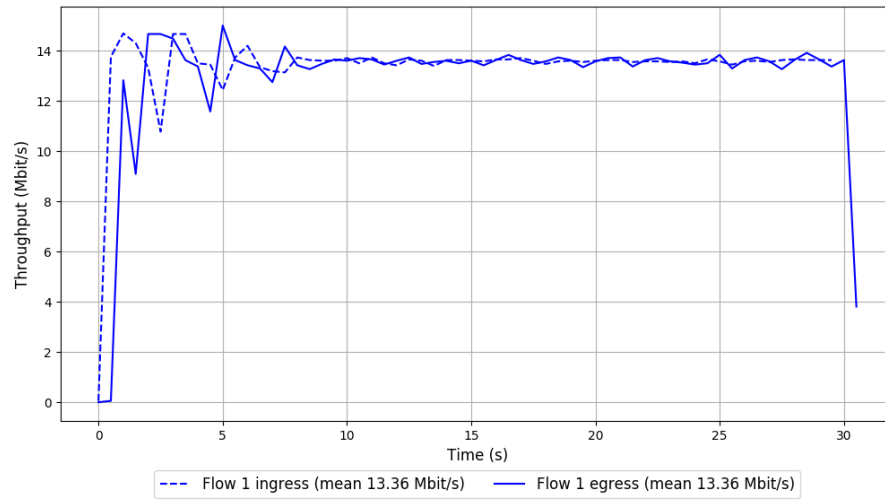


Run 9: Statistics of TaoVA-100x

Start at: 2018-05-22 21:35:10
End at: 2018-05-22 21:35:40
Local clock offset: 0.523 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-05-22 23:28:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.36 Mbit/s
95th percentile per-packet one-way delay: 136.129 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.36 Mbit/s
95th percentile per-packet one-way delay: 136.129 ms
Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-05-22 21:56:19

End at: 2018-05-22 21:56:49

Local clock offset: 0.168 ms

Remote clock offset: -0.433 ms

Below is generated by plot.py at 2018-05-22 23:28:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.24 Mbit/s

95th percentile per-packet one-way delay: 136.044 ms

Loss rate: 0.00%

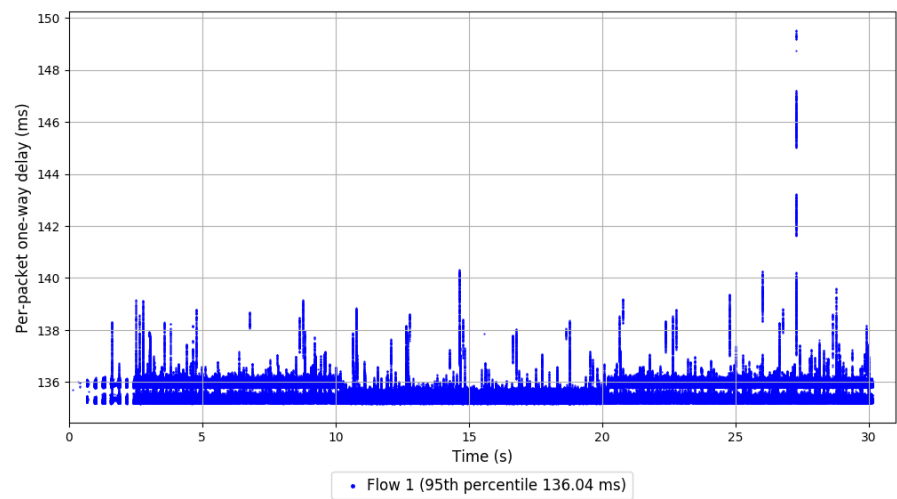
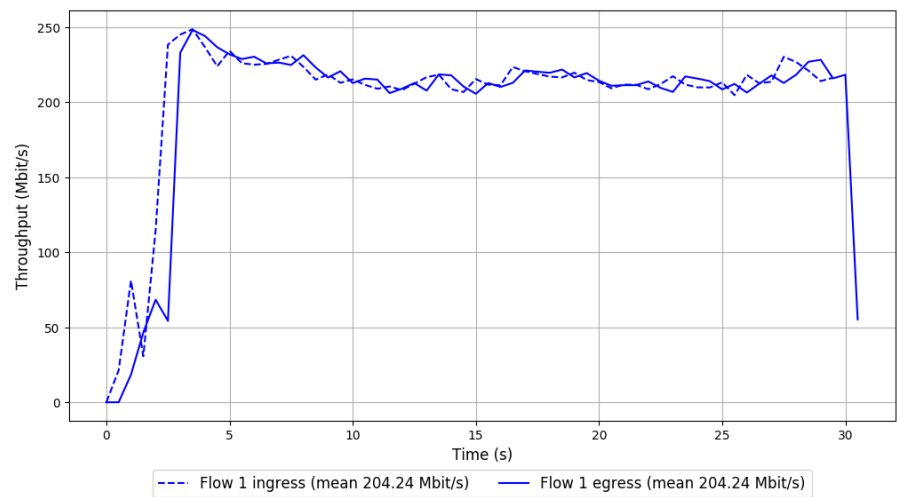
-- Flow 1:

Average throughput: 204.24 Mbit/s

95th percentile per-packet one-way delay: 136.044 ms

Loss rate: 0.00%

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

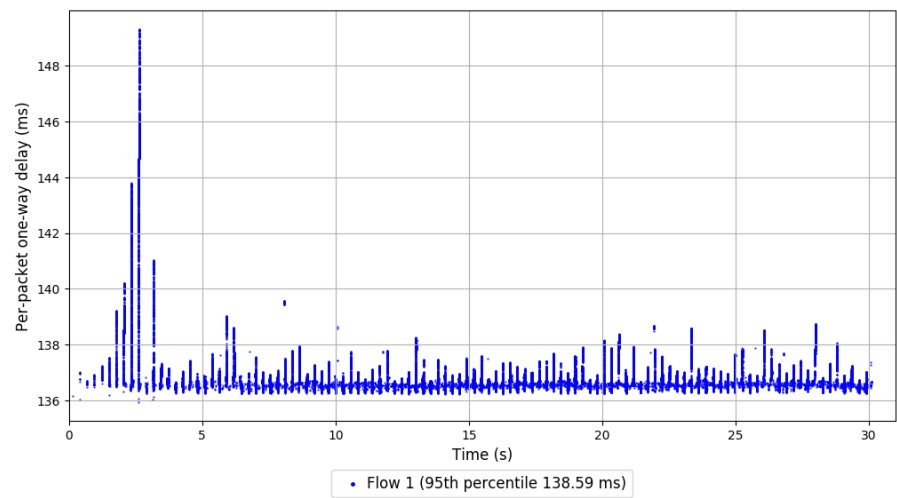
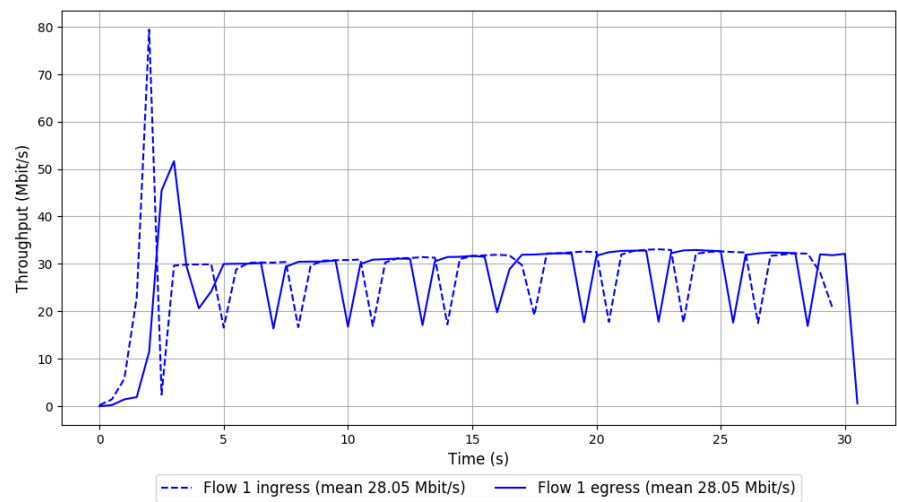


Run 1: Statistics of TCP Vegas

Start at: 2018-05-22 18:56:35
End at: 2018-05-22 18:57:05
Local clock offset: -0.318 ms
Remote clock offset: -0.511 ms

Below is generated by plot.py at 2018-05-22 23:28:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 28.05 Mbit/s
95th percentile per-packet one-way delay: 138.590 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 28.05 Mbit/s
95th percentile per-packet one-way delay: 138.590 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

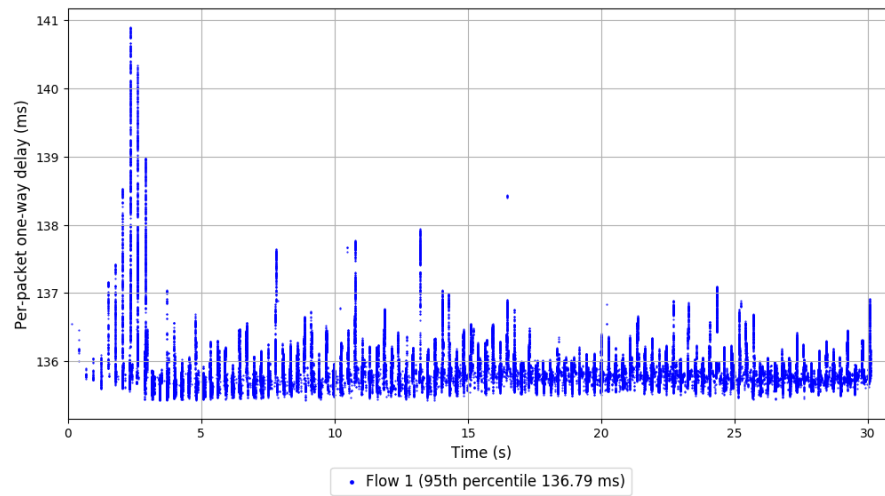
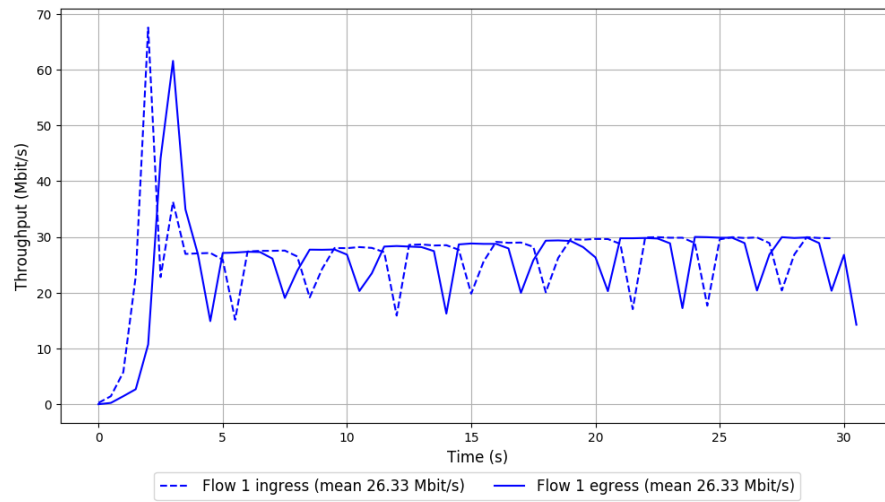


Run 2: Statistics of TCP Vegas

Start at: 2018-05-22 19:17:45
End at: 2018-05-22 19:18:15
Local clock offset: 0.034 ms
Remote clock offset: -0.416 ms

Below is generated by plot.py at 2018-05-22 23:28:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 26.33 Mbit/s
95th percentile per-packet one-way delay: 136.793 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 26.33 Mbit/s
95th percentile per-packet one-way delay: 136.793 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-05-22 19:39:18

End at: 2018-05-22 19:39:48

Local clock offset: -0.245 ms

Remote clock offset: -0.35 ms

Below is generated by plot.py at 2018-05-22 23:28:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 25.85 Mbit/s

95th percentile per-packet one-way delay: 137.750 ms

Loss rate: 0.00%

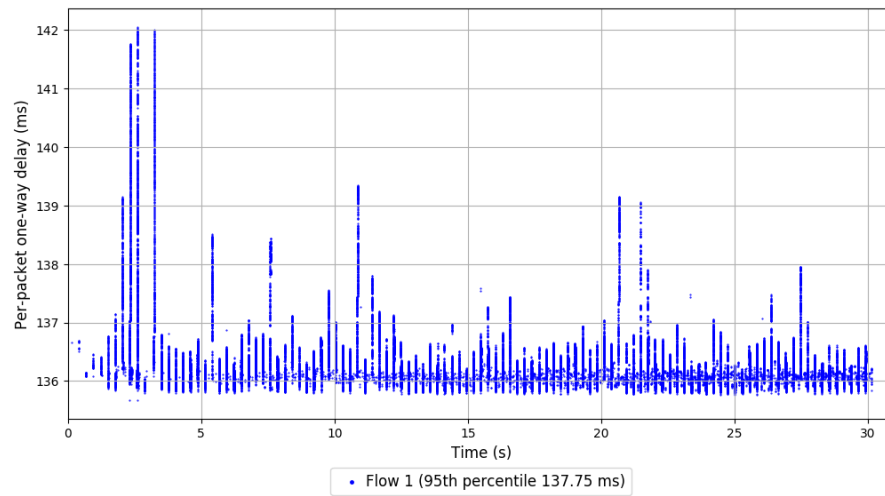
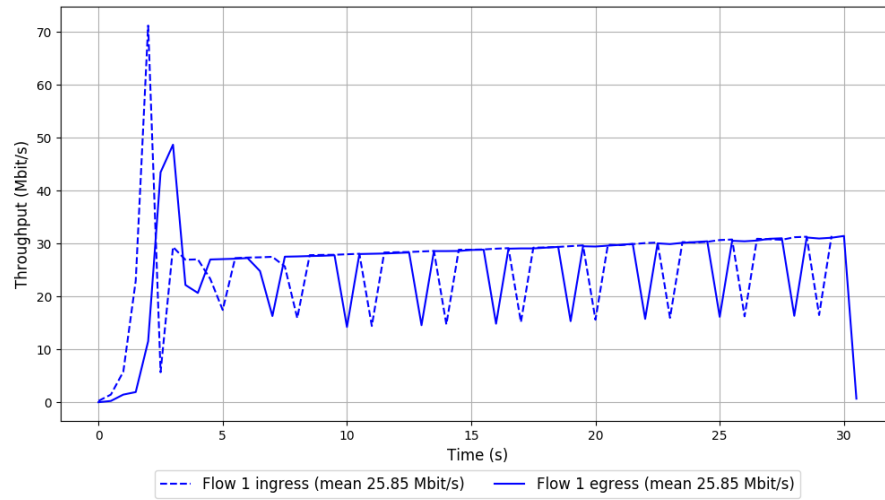
-- Flow 1:

Average throughput: 25.85 Mbit/s

95th percentile per-packet one-way delay: 137.750 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

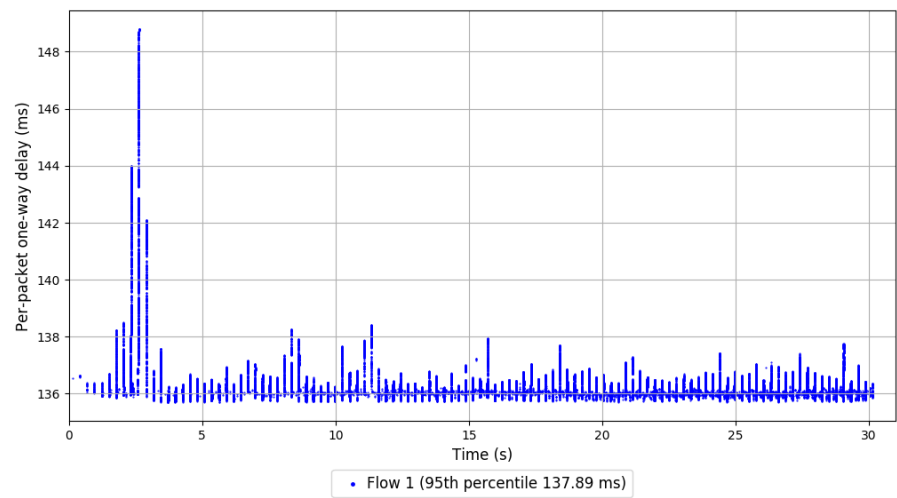
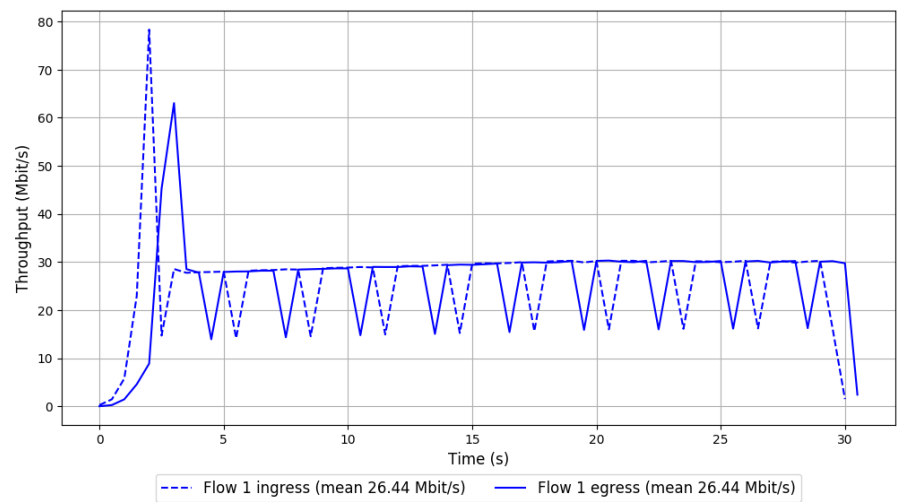


Run 4: Statistics of TCP Vegas

Start at: 2018-05-22 20:00:49
End at: 2018-05-22 20:01:19
Local clock offset: 0.185 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-05-22 23:28:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 26.44 Mbit/s
95th percentile per-packet one-way delay: 137.886 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 26.44 Mbit/s
95th percentile per-packet one-way delay: 137.886 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

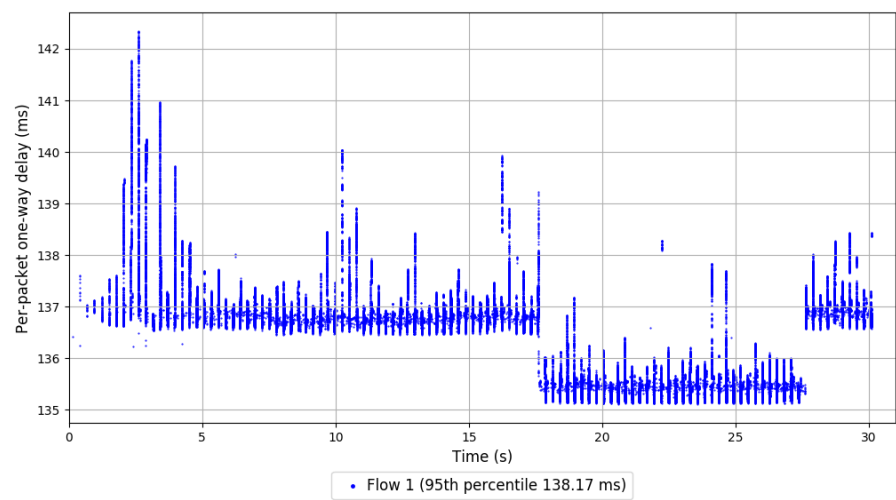
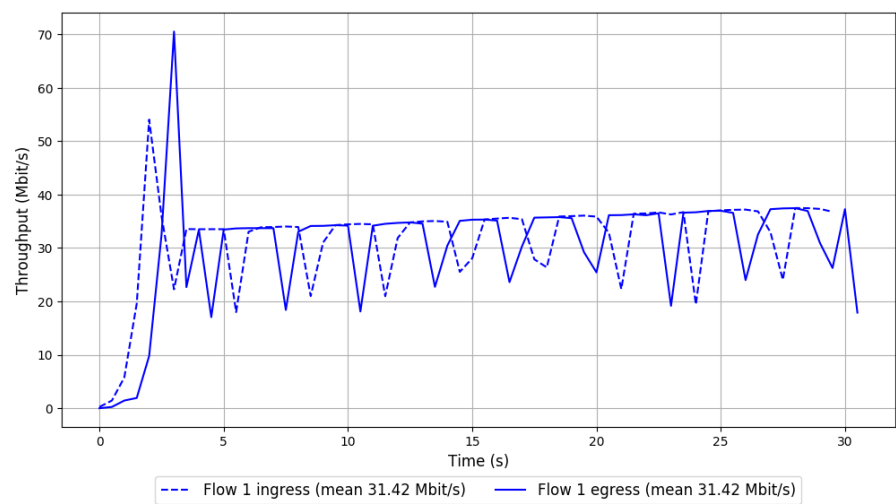


Run 5: Statistics of TCP Vegas

Start at: 2018-05-22 20:22:11
End at: 2018-05-22 20:22:41
Local clock offset: -0.13 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-05-22 23:28:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.42 Mbit/s
95th percentile per-packet one-way delay: 138.166 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 31.42 Mbit/s
95th percentile per-packet one-way delay: 138.166 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-05-22 20:43:22

End at: 2018-05-22 20:43:52

Local clock offset: -0.095 ms

Remote clock offset: 0.329 ms

Below is generated by plot.py at 2018-05-22 23:28:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.35 Mbit/s

95th percentile per-packet one-way delay: 137.998 ms

Loss rate: 0.09%

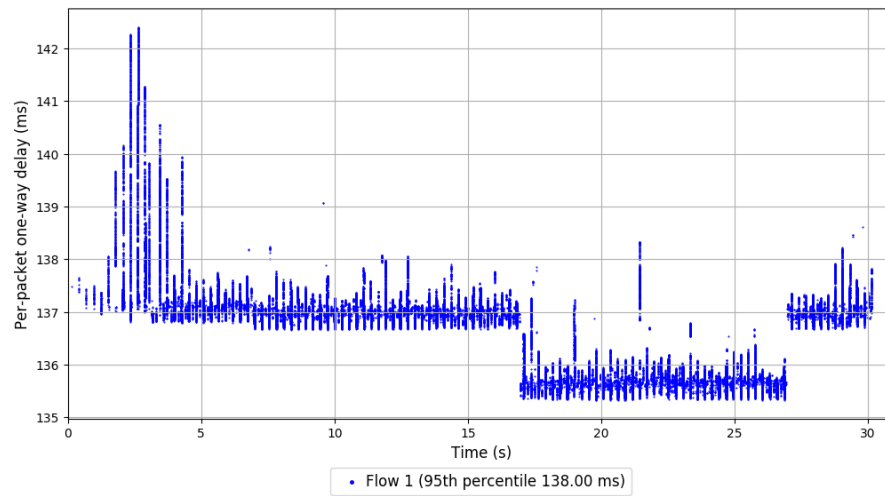
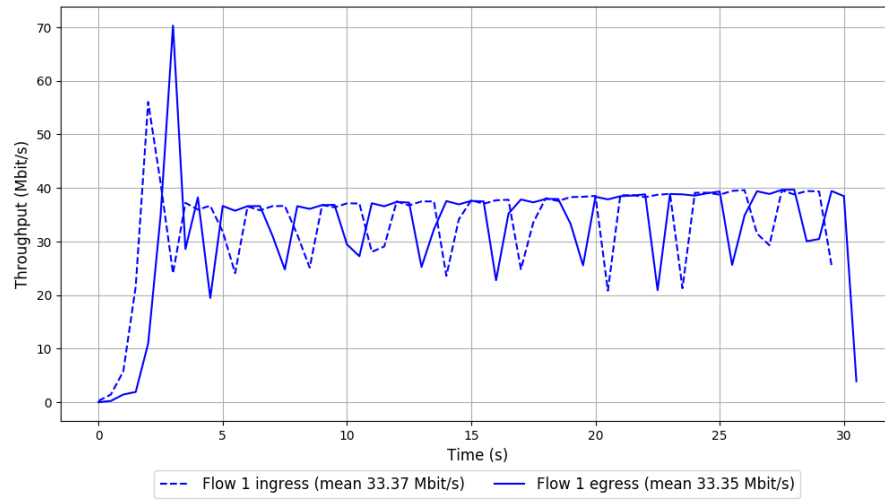
-- Flow 1:

Average throughput: 33.35 Mbit/s

95th percentile per-packet one-way delay: 137.998 ms

Loss rate: 0.09%

Run 6: Report of TCP Vegas — Data Link

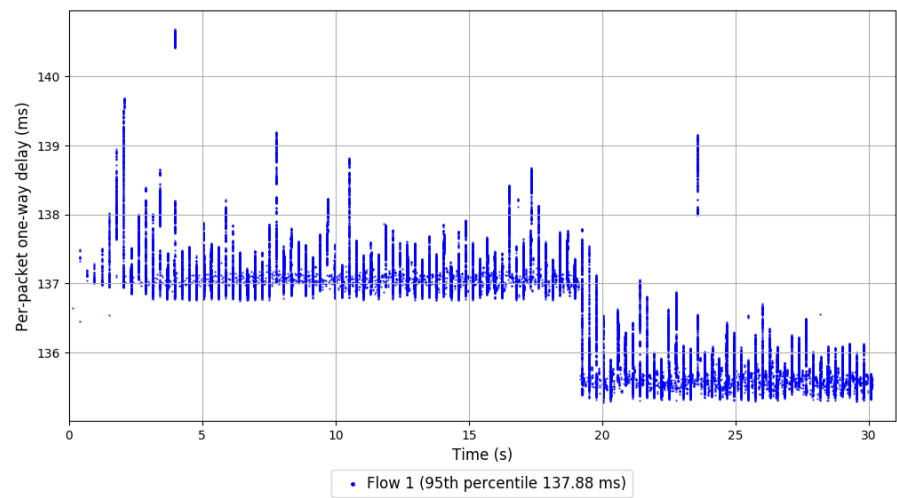
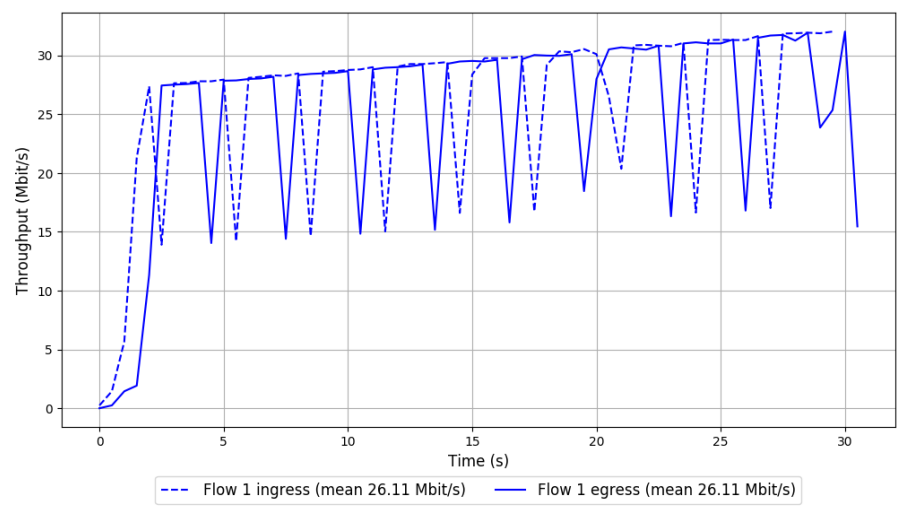


Run 7: Statistics of TCP Vegas

Start at: 2018-05-22 21:04:40
End at: 2018-05-22 21:05:10
Local clock offset: -0.367 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-05-22 23:28:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 26.11 Mbit/s
95th percentile per-packet one-way delay: 137.882 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 26.11 Mbit/s
95th percentile per-packet one-way delay: 137.882 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

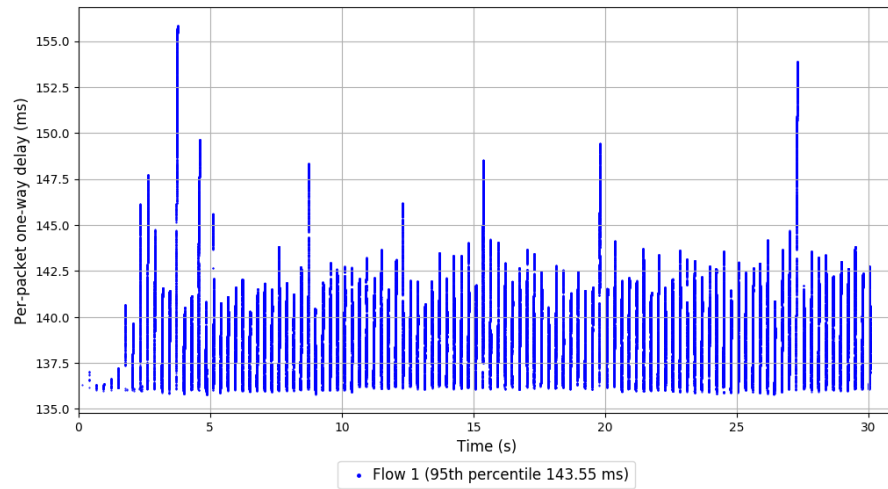
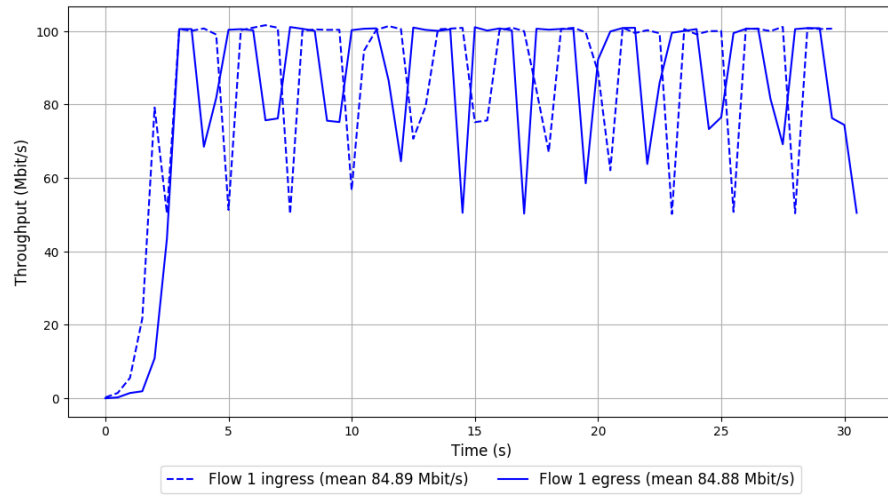


Run 8: Statistics of TCP Vegas

Start at: 2018-05-22 21:26:18
End at: 2018-05-22 21:26:48
Local clock offset: 0.201 ms
Remote clock offset: -0.429 ms

Below is generated by plot.py at 2018-05-22 23:28:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.88 Mbit/s
95th percentile per-packet one-way delay: 143.551 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.88 Mbit/s
95th percentile per-packet one-way delay: 143.551 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-05-22 21:47:31

End at: 2018-05-22 21:48:01

Local clock offset: 0.125 ms

Remote clock offset: 0.339 ms

Below is generated by plot.py at 2018-05-22 23:28:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.83 Mbit/s

95th percentile per-packet one-way delay: 143.198 ms

Loss rate: 0.12%

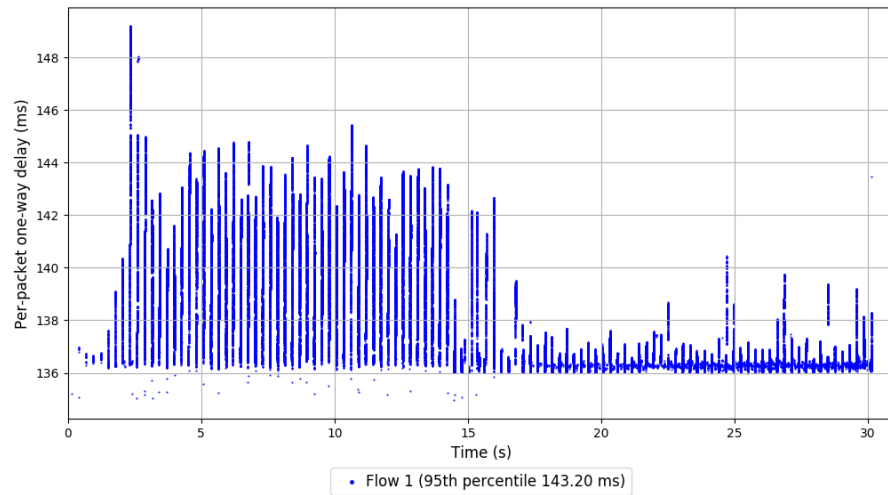
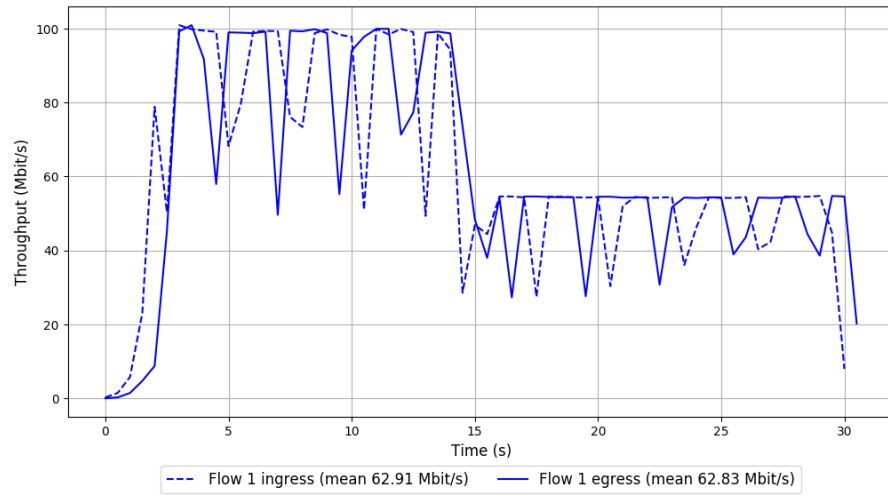
-- Flow 1:

Average throughput: 62.83 Mbit/s

95th percentile per-packet one-way delay: 143.198 ms

Loss rate: 0.12%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-05-22 22:09:00

End at: 2018-05-22 22:09:30

Local clock offset: 0.162 ms

Remote clock offset: -0.434 ms

Below is generated by plot.py at 2018-05-22 23:28:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.27 Mbit/s

95th percentile per-packet one-way delay: 142.569 ms

Loss rate: 0.00%

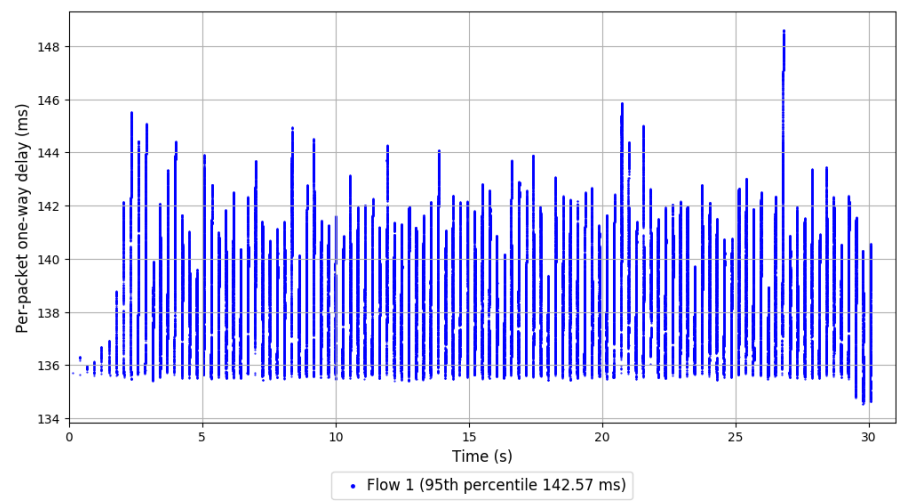
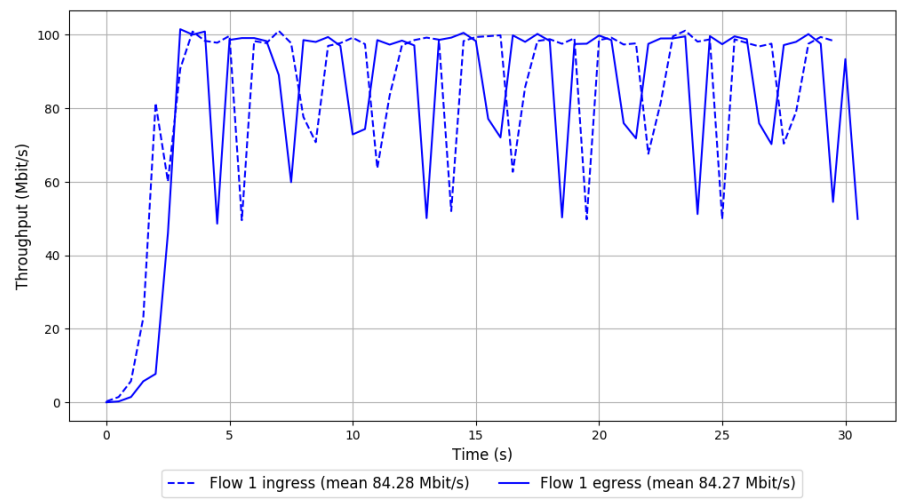
-- Flow 1:

Average throughput: 84.27 Mbit/s

95th percentile per-packet one-way delay: 142.569 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

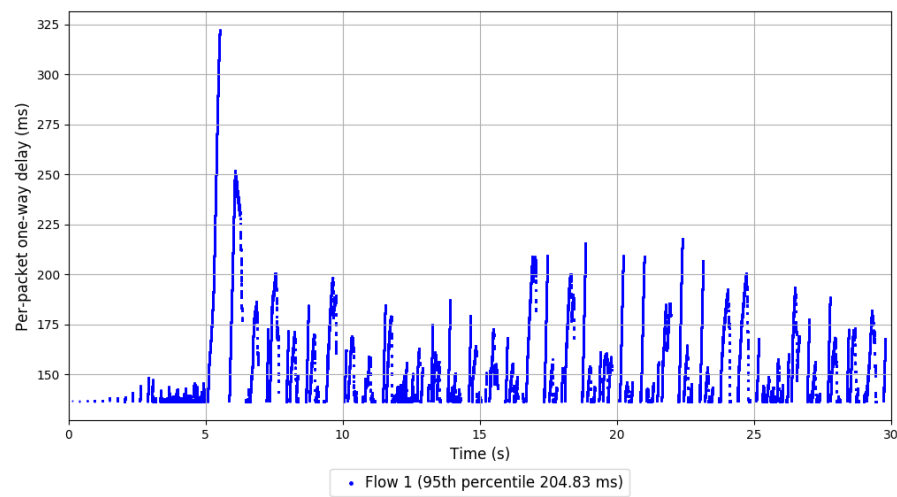
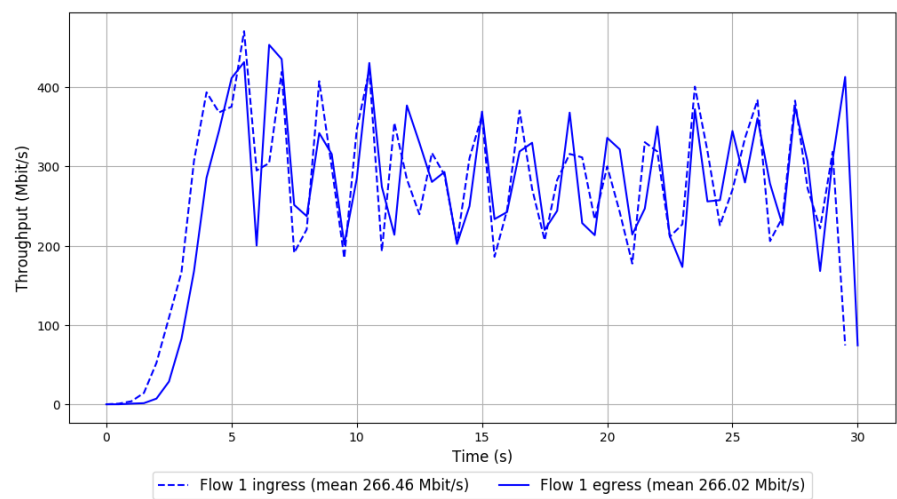


Run 1: Statistics of Verus

Start at: 2018-05-22 18:58:55
End at: 2018-05-22 18:59:25
Local clock offset: 0.092 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-05-22 23:29:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 266.02 Mbit/s
95th percentile per-packet one-way delay: 204.826 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 266.02 Mbit/s
95th percentile per-packet one-way delay: 204.826 ms
Loss rate: 0.06%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-05-22 19:20:04

End at: 2018-05-22 19:20:34

Local clock offset: 0.1 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-05-22 23:29:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 149.81 Mbit/s

95th percentile per-packet one-way delay: 155.856 ms

Loss rate: 0.00%

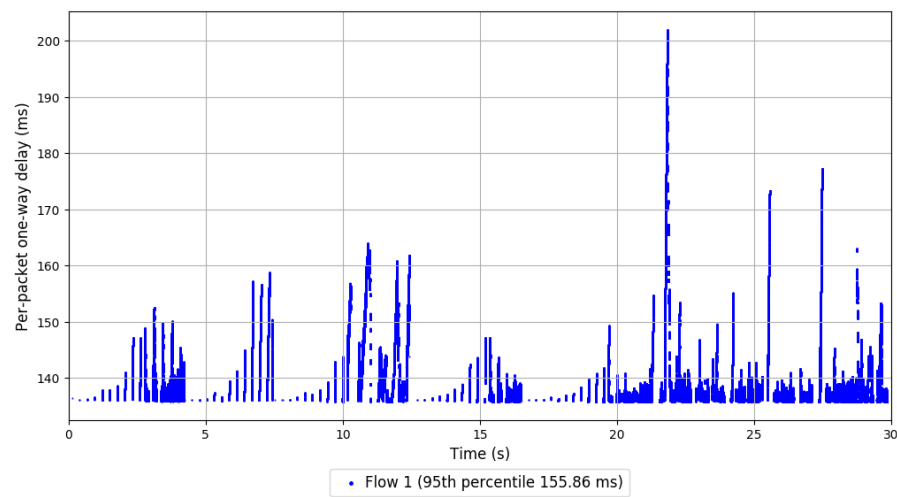
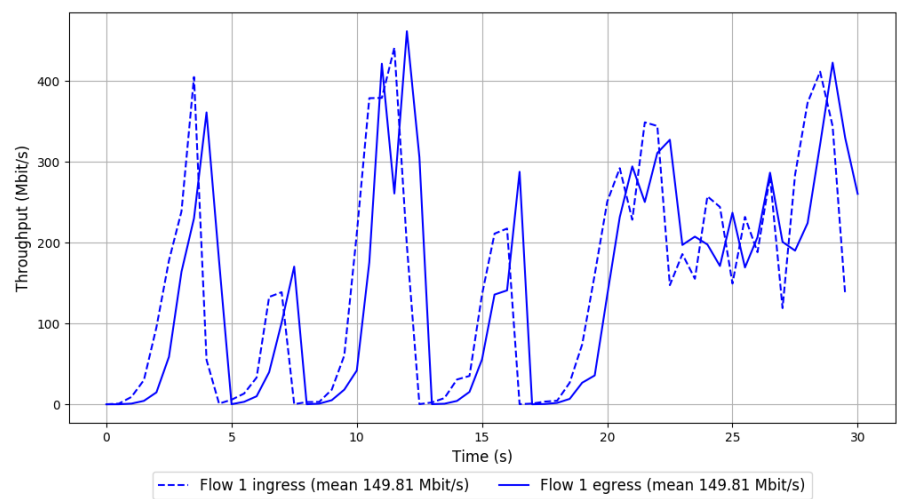
-- Flow 1:

Average throughput: 149.81 Mbit/s

95th percentile per-packet one-way delay: 155.856 ms

Loss rate: 0.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-05-22 19:41:37

End at: 2018-05-22 19:42:07

Local clock offset: -0.081 ms

Remote clock offset: -0.33 ms

Below is generated by plot.py at 2018-05-22 23:29:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 207.82 Mbit/s

95th percentile per-packet one-way delay: 203.394 ms

Loss rate: 0.36%

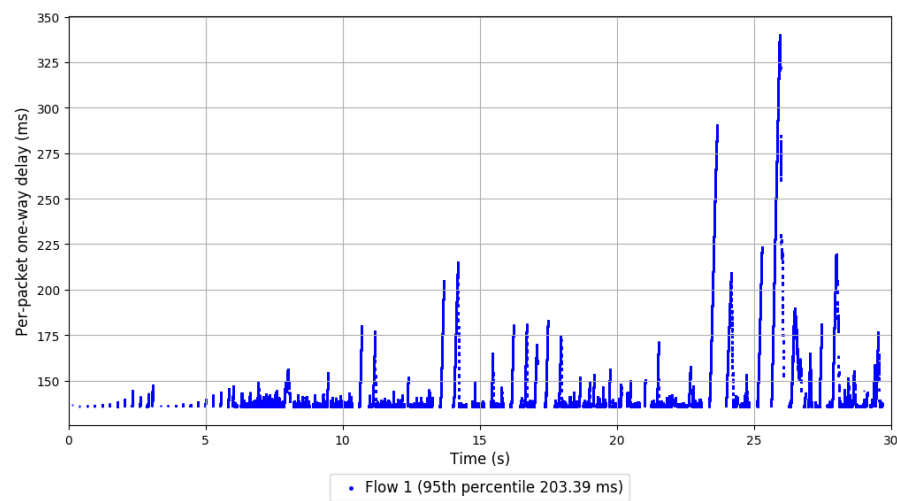
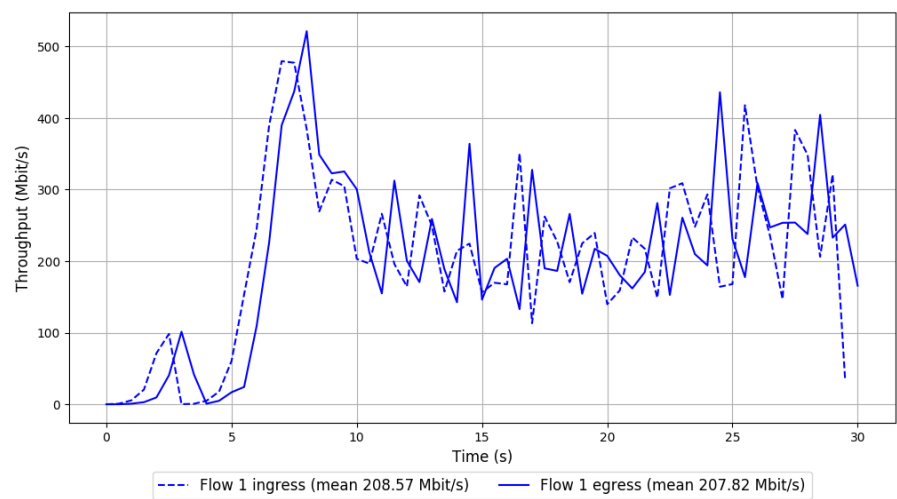
-- Flow 1:

Average throughput: 207.82 Mbit/s

95th percentile per-packet one-way delay: 203.394 ms

Loss rate: 0.36%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-05-22 20:03:08

End at: 2018-05-22 20:03:38

Local clock offset: 0.123 ms

Remote clock offset: 0.324 ms

Below is generated by plot.py at 2018-05-22 23:29:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 161.28 Mbit/s

95th percentile per-packet one-way delay: 148.440 ms

Loss rate: 0.00%

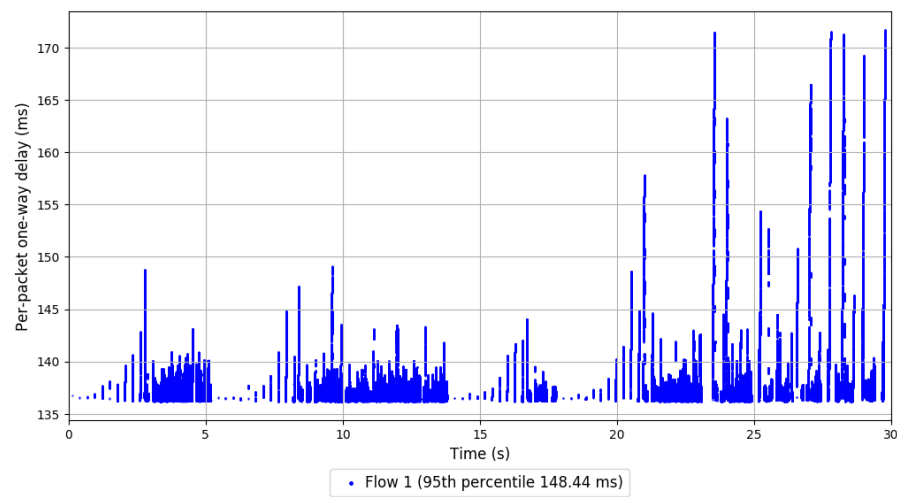
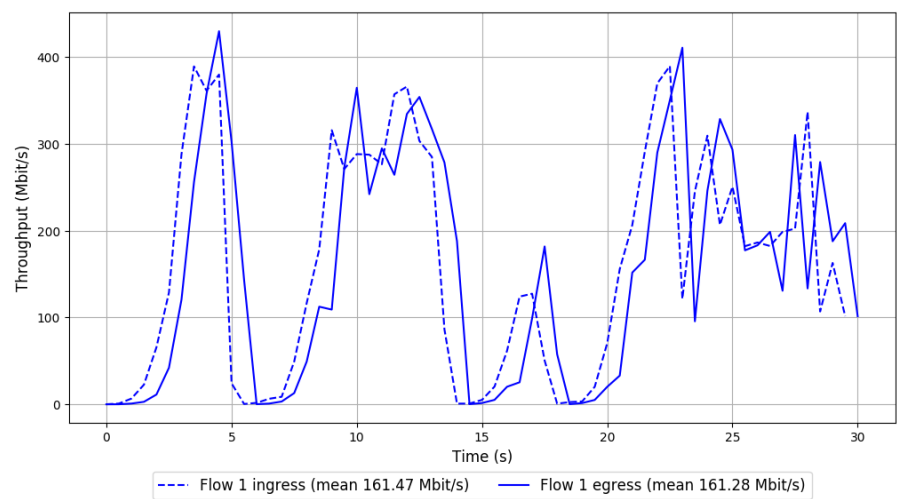
-- Flow 1:

Average throughput: 161.28 Mbit/s

95th percentile per-packet one-way delay: 148.440 ms

Loss rate: 0.00%

Run 4: Report of Verus — Data Link

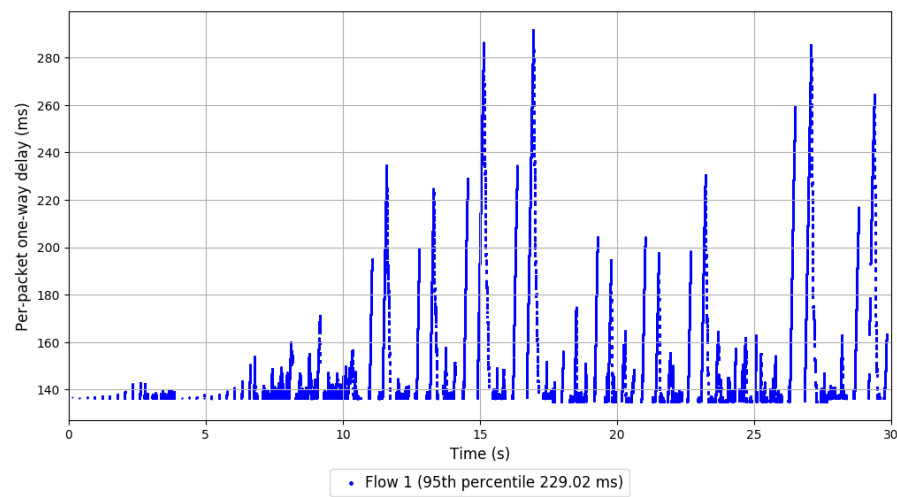
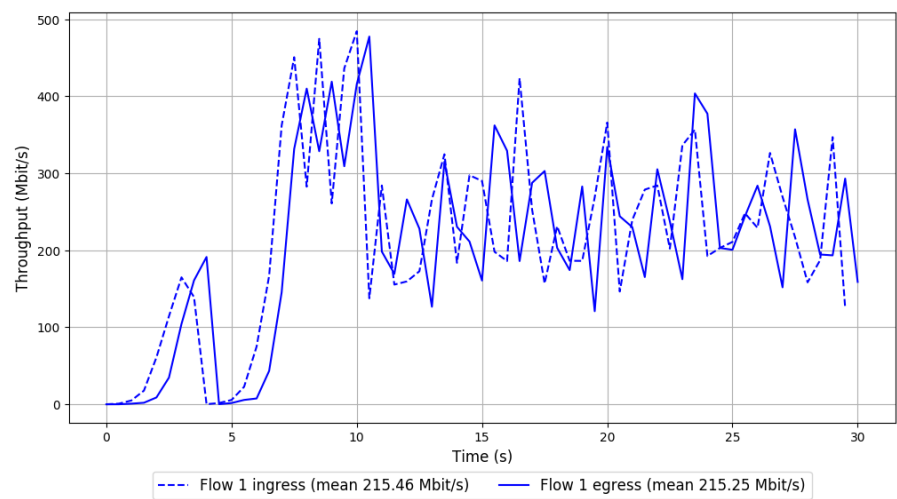


Run 5: Statistics of Verus

Start at: 2018-05-22 20:24:31
End at: 2018-05-22 20:25:01
Local clock offset: 0.1 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-05-22 23:29:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.25 Mbit/s
95th percentile per-packet one-way delay: 229.020 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 215.25 Mbit/s
95th percentile per-packet one-way delay: 229.020 ms
Loss rate: 0.16%

Run 5: Report of Verus — Data Link

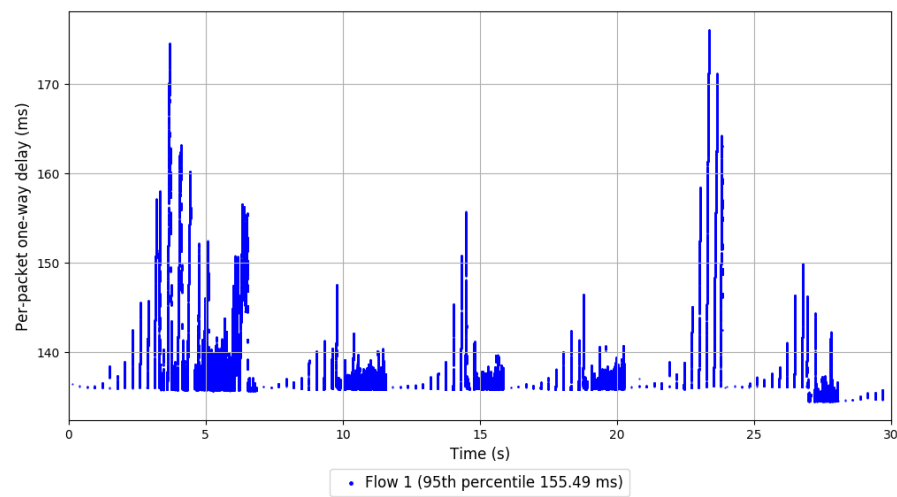
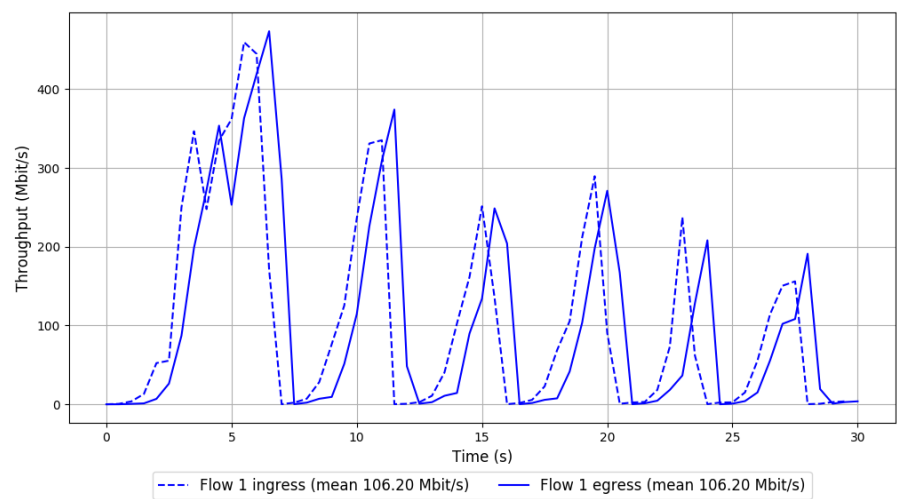


Run 6: Statistics of Verus

Start at: 2018-05-22 20:45:42
End at: 2018-05-22 20:46:12
Local clock offset: 0.069 ms
Remote clock offset: -0.466 ms

Below is generated by plot.py at 2018-05-22 23:29:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 106.20 Mbit/s
95th percentile per-packet one-way delay: 155.487 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 106.20 Mbit/s
95th percentile per-packet one-way delay: 155.487 ms
Loss rate: 0.00%

Run 6: Report of Verus — Data Link

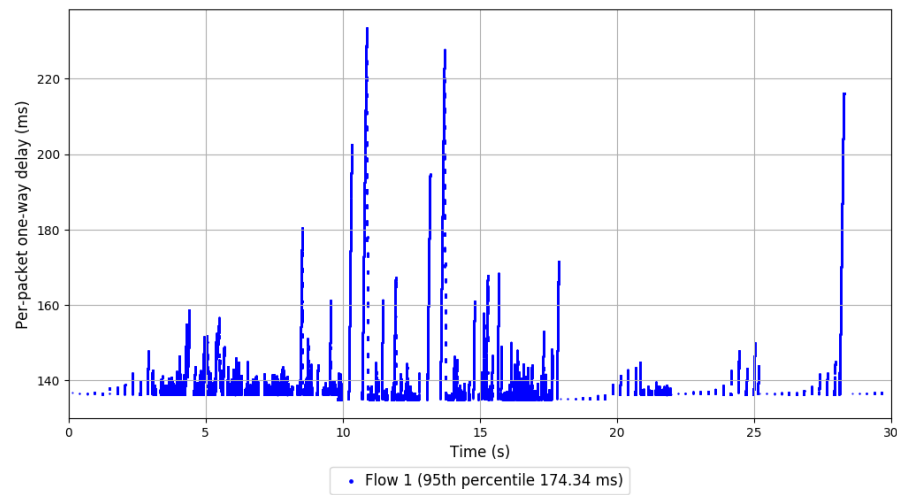
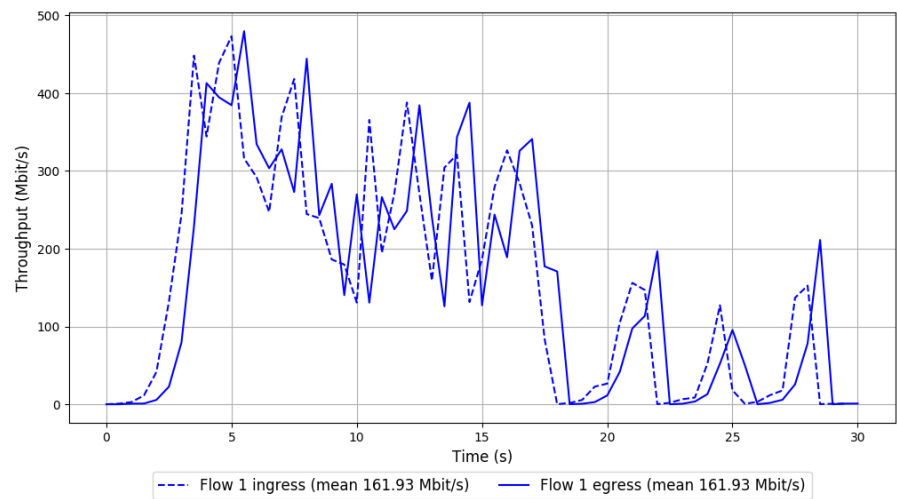


Run 7: Statistics of Verus

Start at: 2018-05-22 21:06:59
End at: 2018-05-22 21:07:29
Local clock offset: 0.048 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-05-22 23:30:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 161.93 Mbit/s
95th percentile per-packet one-way delay: 174.342 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 161.93 Mbit/s
95th percentile per-packet one-way delay: 174.342 ms
Loss rate: 0.00%

Run 7: Report of Verus — Data Link

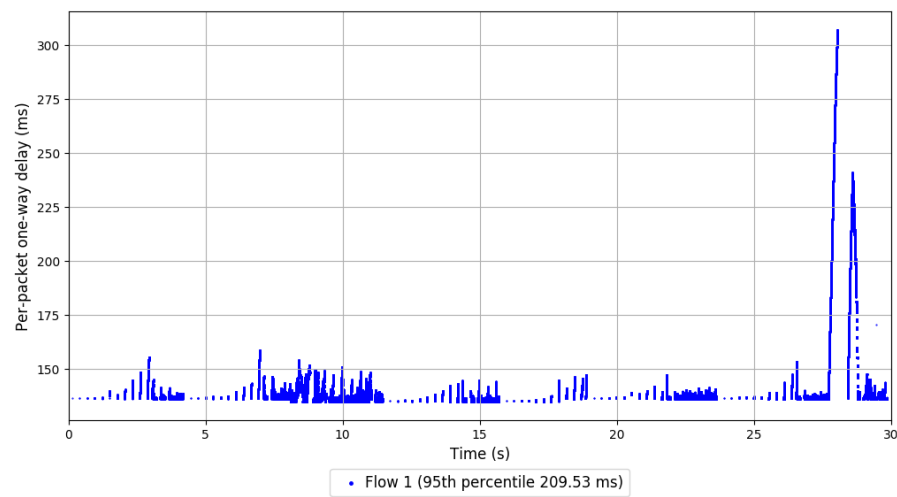
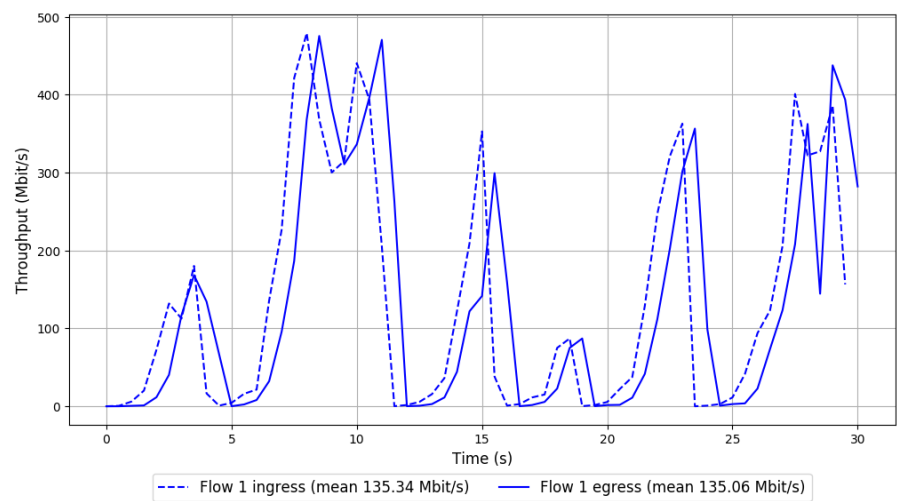


Run 8: Statistics of Verus

Start at: 2018-05-22 21:28:41
End at: 2018-05-22 21:29:11
Local clock offset: 0.31 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-05-22 23:30:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 135.06 Mbit/s
95th percentile per-packet one-way delay: 209.525 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 135.06 Mbit/s
95th percentile per-packet one-way delay: 209.525 ms
Loss rate: 0.21%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-05-22 21:49:52

End at: 2018-05-22 21:50:22

Local clock offset: 0.089 ms

Remote clock offset: 0.357 ms

Below is generated by plot.py at 2018-05-22 23:30:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 115.59 Mbit/s

95th percentile per-packet one-way delay: 153.815 ms

Loss rate: 0.00%

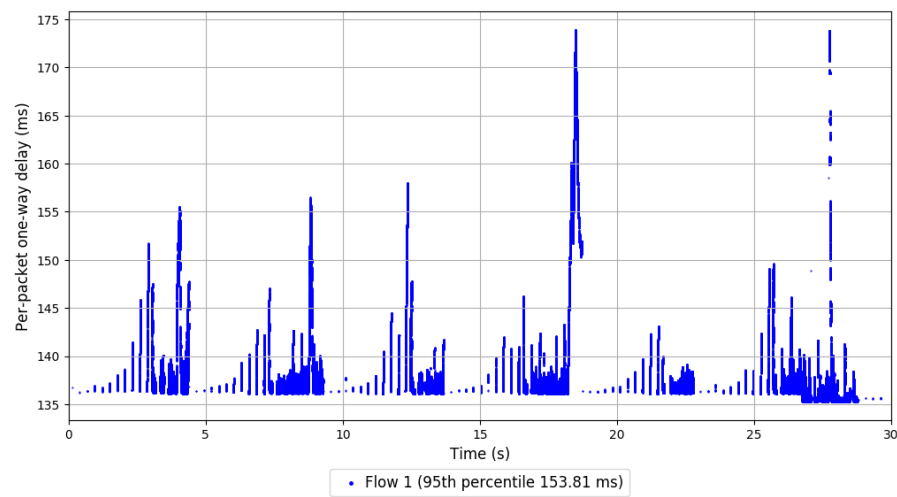
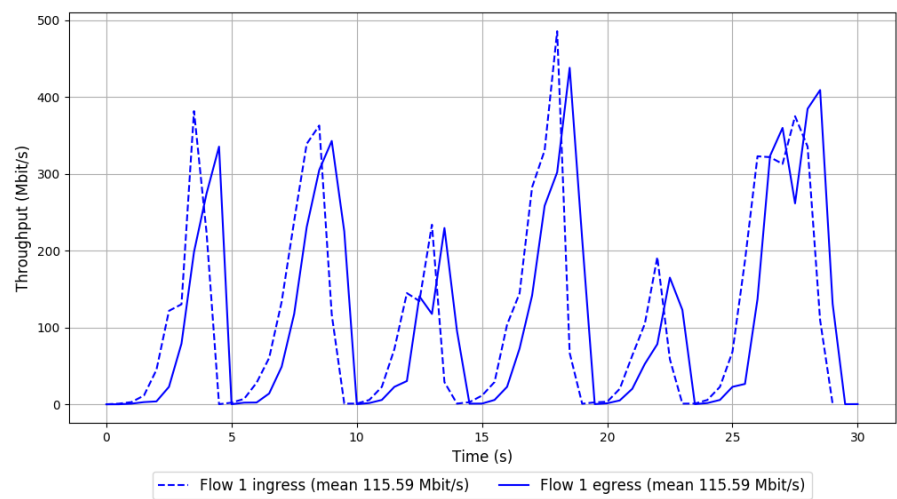
-- Flow 1:

Average throughput: 115.59 Mbit/s

95th percentile per-packet one-way delay: 153.815 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link

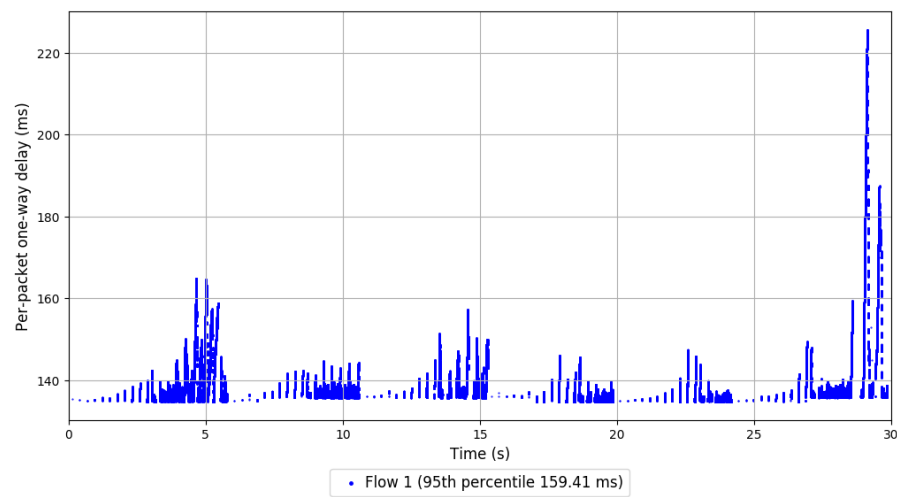
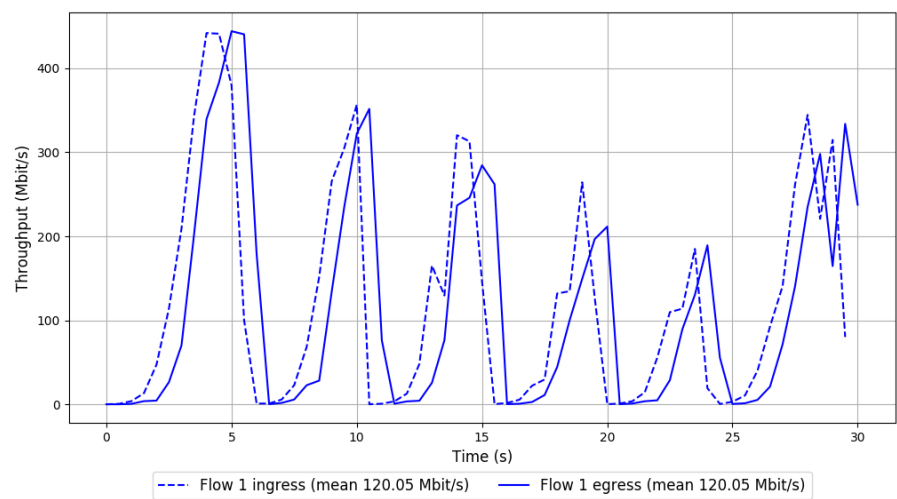


Run 10: Statistics of Verus

Start at: 2018-05-22 22:11:22
End at: 2018-05-22 22:11:52
Local clock offset: 0.166 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-05-22 23:30:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 120.05 Mbit/s
95th percentile per-packet one-way delay: 159.413 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 120.05 Mbit/s
95th percentile per-packet one-way delay: 159.413 ms
Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-05-22 18:46:57

End at: 2018-05-22 18:47:27

Local clock offset: -0.268 ms

Remote clock offset: 0.274 ms

Below is generated by plot.py at 2018-05-22 23:35:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 348.13 Mbit/s

95th percentile per-packet one-way delay: 148.010 ms

Loss rate: 0.20%

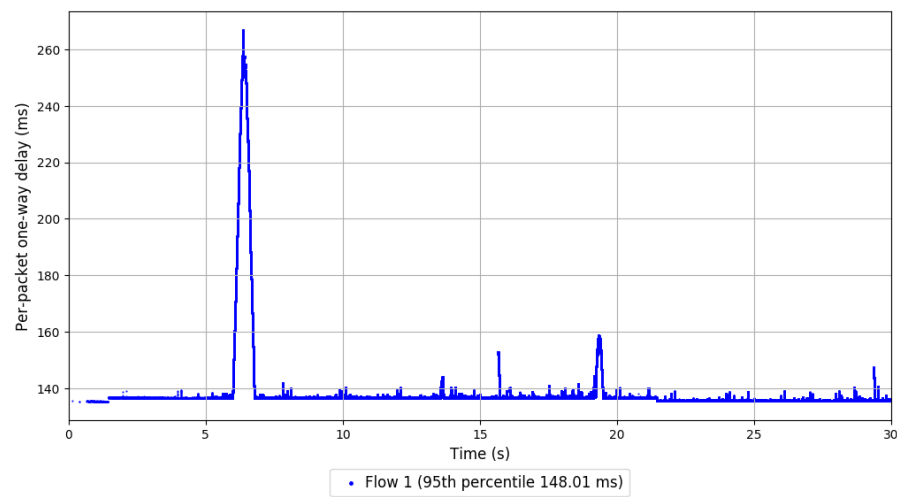
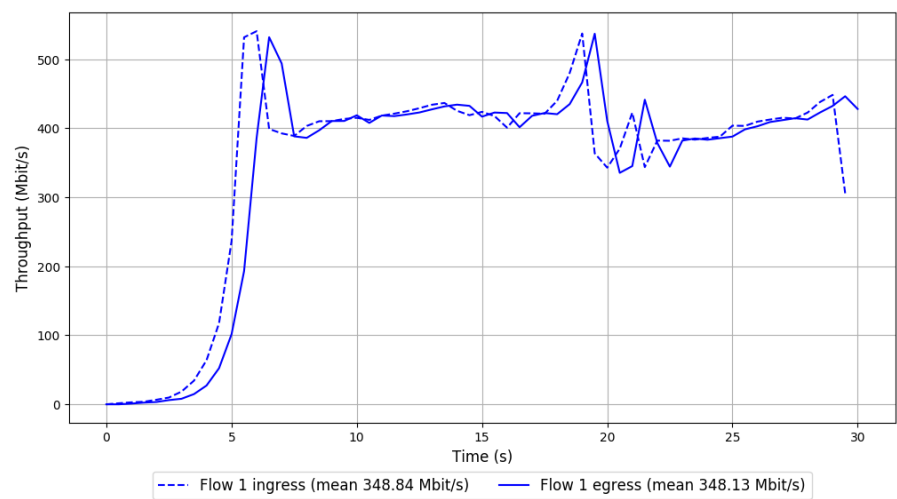
-- Flow 1:

Average throughput: 348.13 Mbit/s

95th percentile per-packet one-way delay: 148.010 ms

Loss rate: 0.20%

Run 1: Report of PCC-Vivace — Data Link

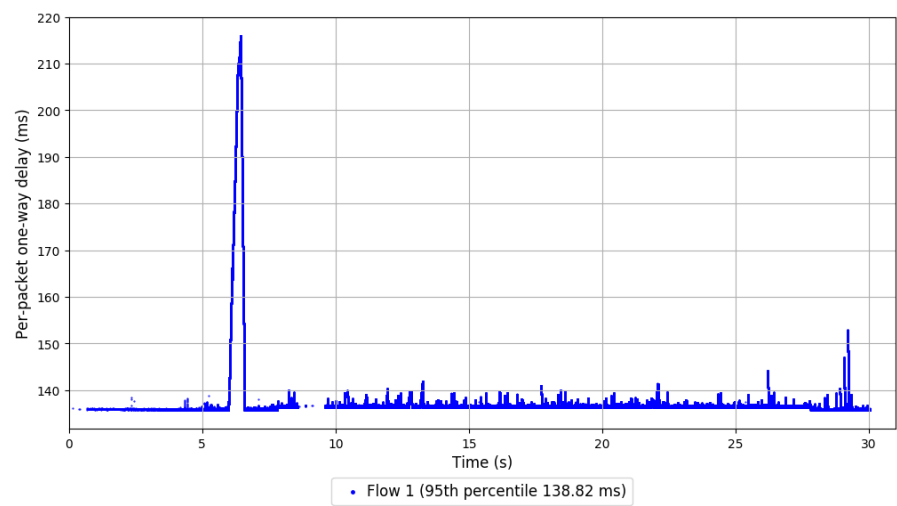
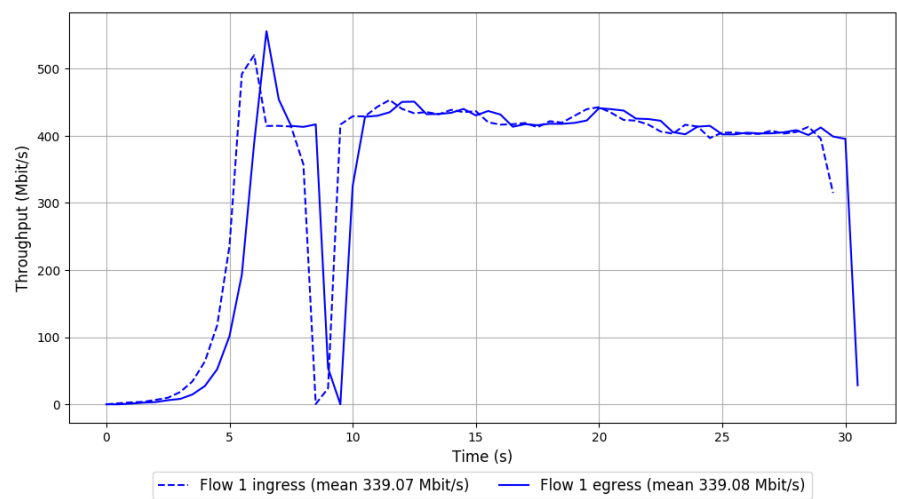


Run 2: Statistics of PCC-Vivace

Start at: 2018-05-22 19:08:11
End at: 2018-05-22 19:08:41
Local clock offset: -0.059 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-05-22 23:35:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 339.08 Mbit/s
95th percentile per-packet one-way delay: 138.816 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 339.08 Mbit/s
95th percentile per-packet one-way delay: 138.816 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-05-22 19:29:44

End at: 2018-05-22 19:30:14

Local clock offset: -0.286 ms

Remote clock offset: -0.394 ms

Below is generated by plot.py at 2018-05-22 23:36:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 350.31 Mbit/s

95th percentile per-packet one-way delay: 141.674 ms

Loss rate: 0.00%

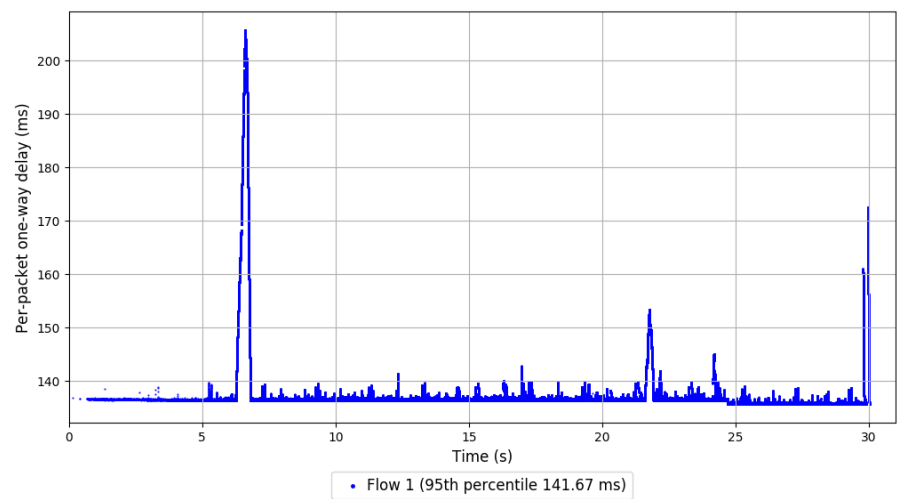
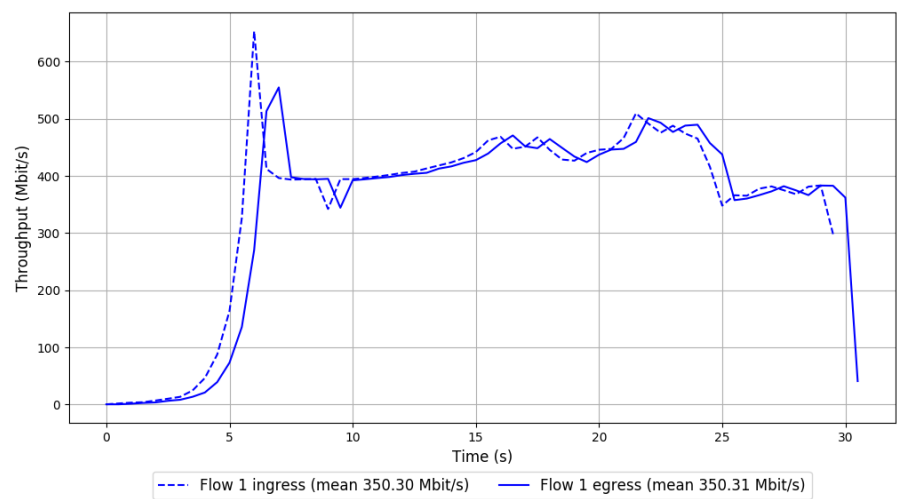
-- Flow 1:

Average throughput: 350.31 Mbit/s

95th percentile per-packet one-way delay: 141.674 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-05-22 19:51:04

End at: 2018-05-22 19:51:34

Local clock offset: 0.01 ms

Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-05-22 23:36:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 326.96 Mbit/s

95th percentile per-packet one-way delay: 137.329 ms

Loss rate: 0.22%

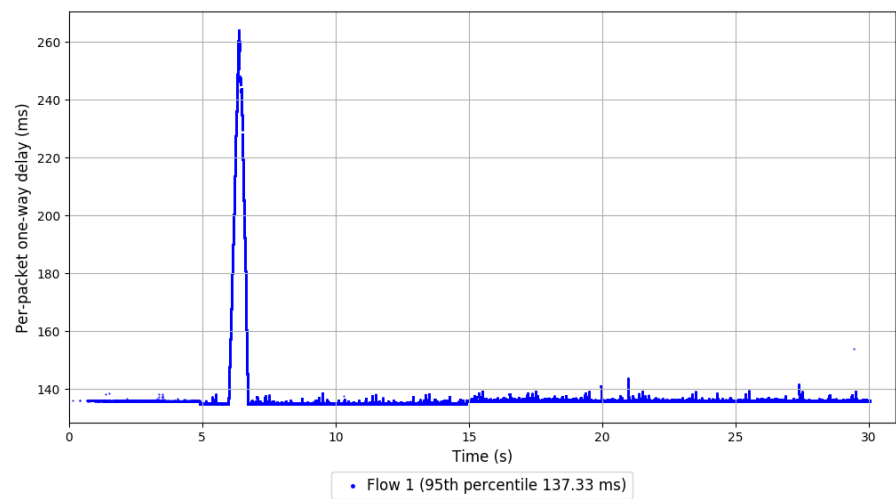
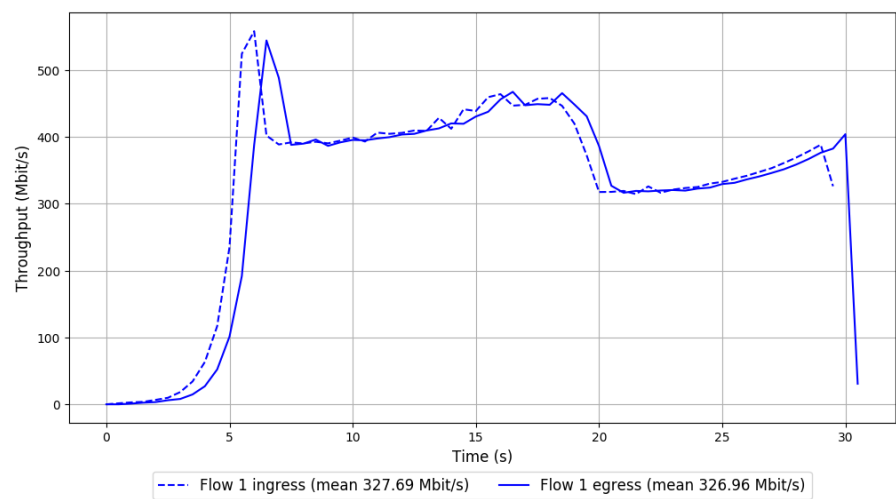
-- Flow 1:

Average throughput: 326.96 Mbit/s

95th percentile per-packet one-way delay: 137.329 ms

Loss rate: 0.22%

Run 4: Report of PCC-Vivace — Data Link

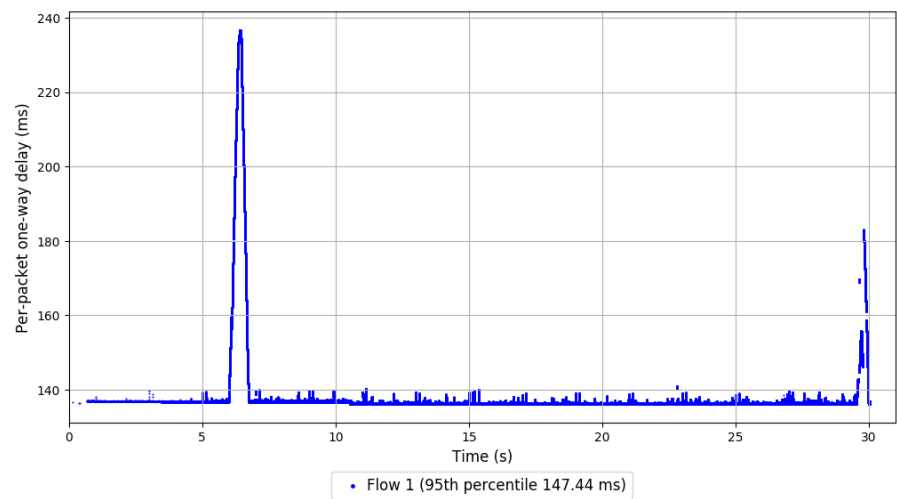
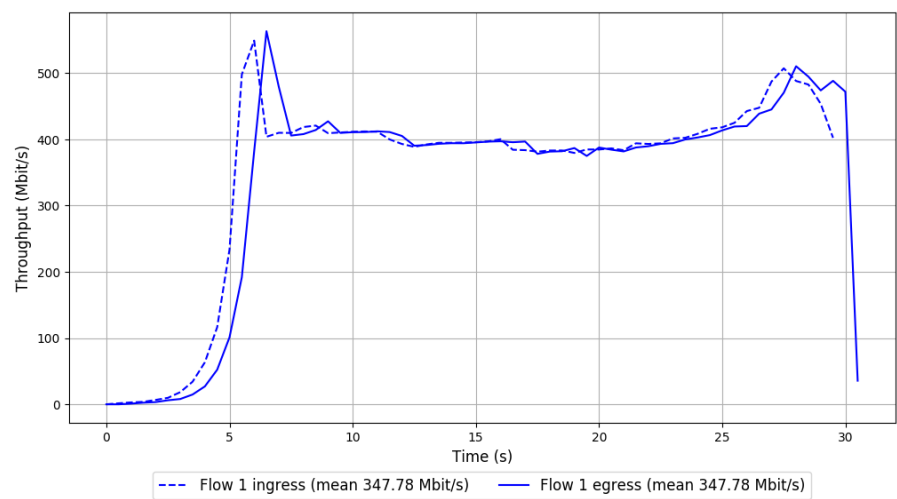


Run 5: Statistics of PCC-Vivace

Start at: 2018-05-22 20:12:48
End at: 2018-05-22 20:13:18
Local clock offset: -0.317 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-05-22 23:36:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 347.78 Mbit/s
95th percentile per-packet one-way delay: 147.440 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 347.78 Mbit/s
95th percentile per-packet one-way delay: 147.440 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

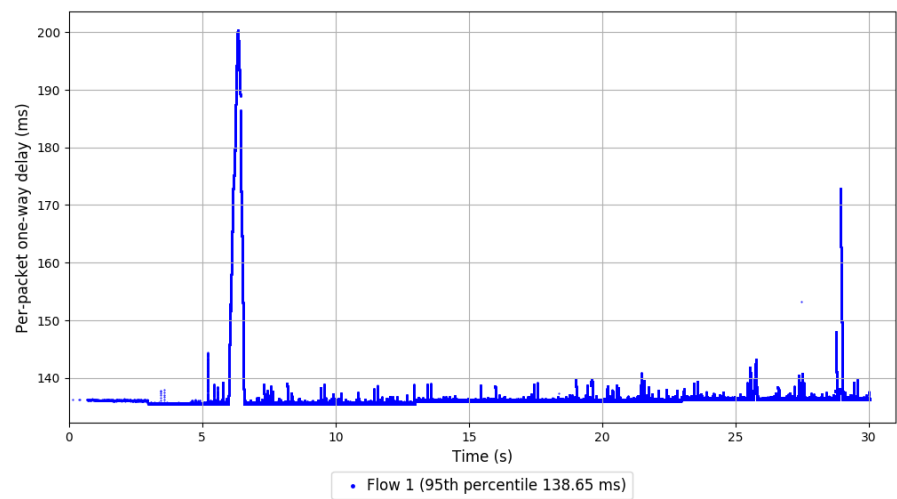
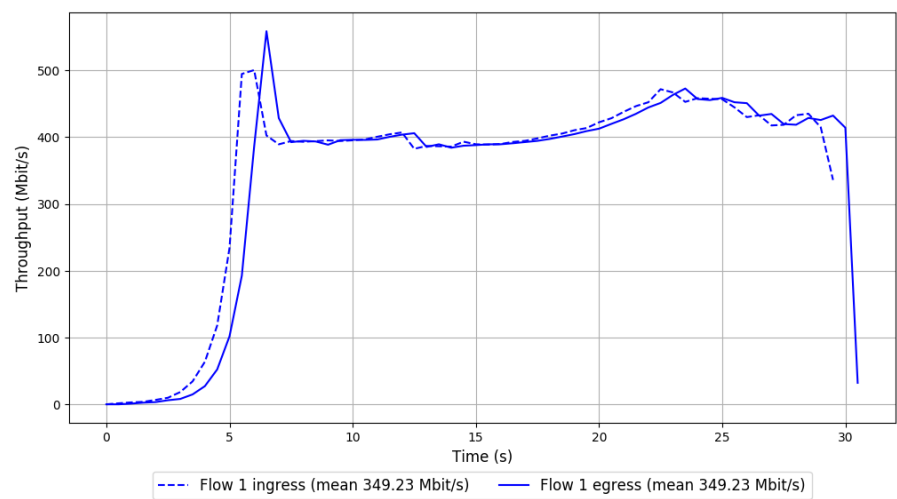


Run 6: Statistics of PCC-Vivace

Start at: 2018-05-22 20:33:56
End at: 2018-05-22 20:34:26
Local clock offset: -0.015 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-05-22 23:36:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 349.23 Mbit/s
95th percentile per-packet one-way delay: 138.649 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 349.23 Mbit/s
95th percentile per-packet one-way delay: 138.649 ms
Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link

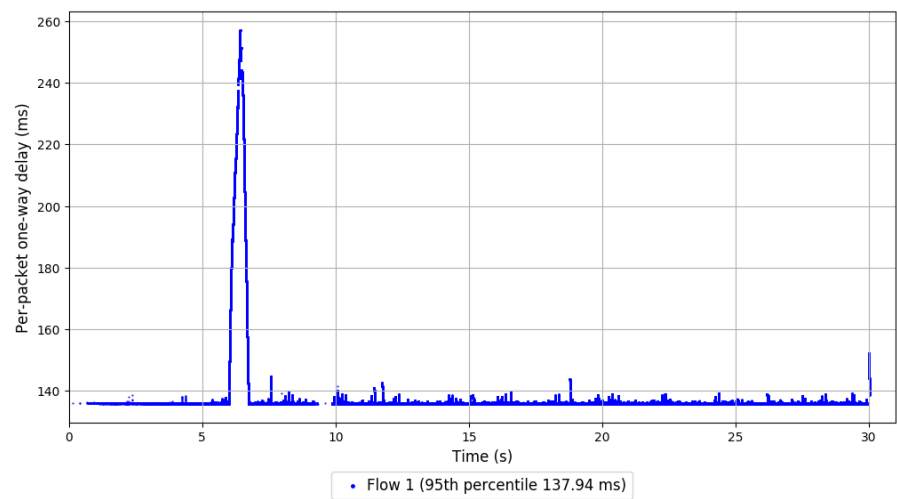
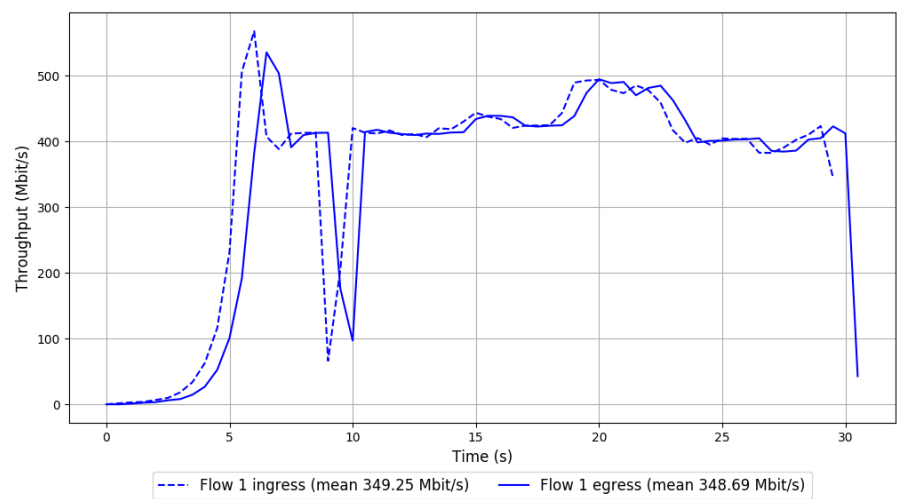


Run 7: Statistics of PCC-Vivace

Start at: 2018-05-22 20:55:11
End at: 2018-05-22 20:55:41
Local clock offset: 0.02 ms
Remote clock offset: -0.456 ms

Below is generated by plot.py at 2018-05-22 23:36:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 348.69 Mbit/s
95th percentile per-packet one-way delay: 137.937 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 348.69 Mbit/s
95th percentile per-packet one-way delay: 137.937 ms
Loss rate: 0.16%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-05-22 21:16:47

End at: 2018-05-22 21:17:17

Local clock offset: 0.246 ms

Remote clock offset: 0.299 ms

Below is generated by plot.py at 2018-05-22 23:37:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 366.53 Mbit/s

95th percentile per-packet one-way delay: 144.055 ms

Loss rate: 0.00%

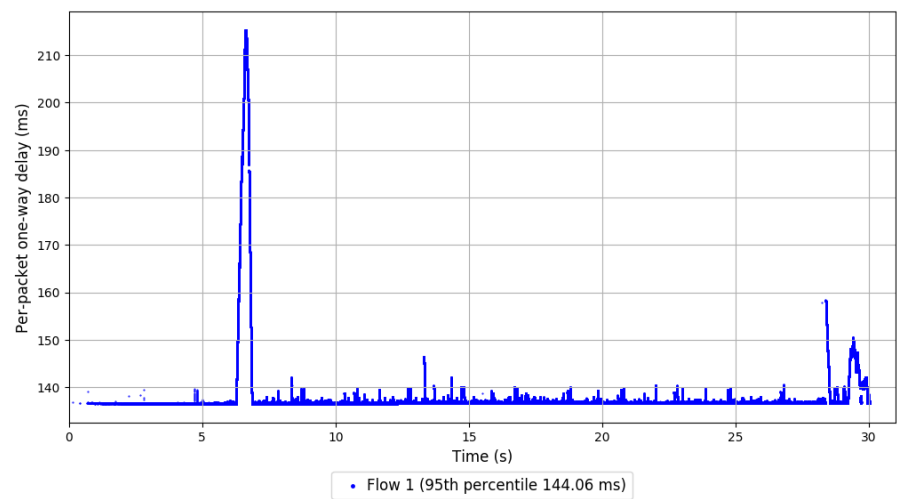
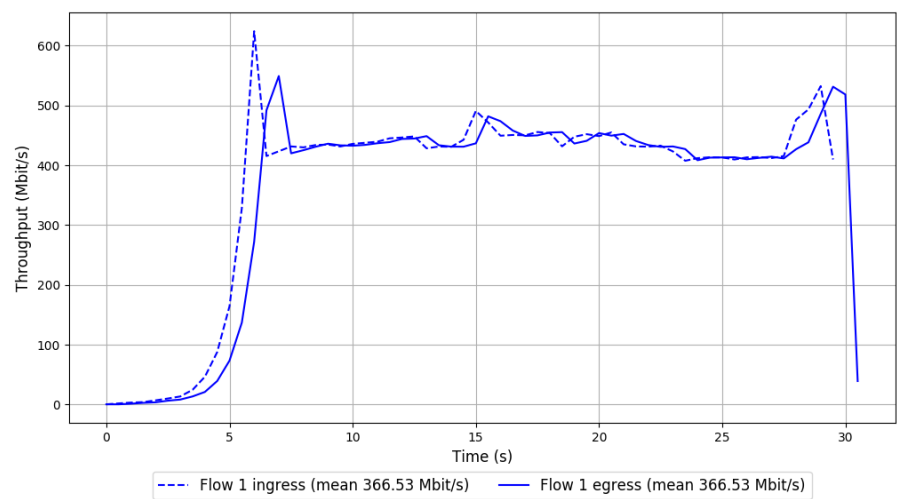
-- Flow 1:

Average throughput: 366.53 Mbit/s

95th percentile per-packet one-way delay: 144.055 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-05-22 21:37:53

End at: 2018-05-22 21:38:23

Local clock offset: 0.081 ms

Remote clock offset: -0.441 ms

Below is generated by plot.py at 2018-05-22 23:37:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 338.07 Mbit/s

95th percentile per-packet one-way delay: 138.205 ms

Loss rate: 0.00%

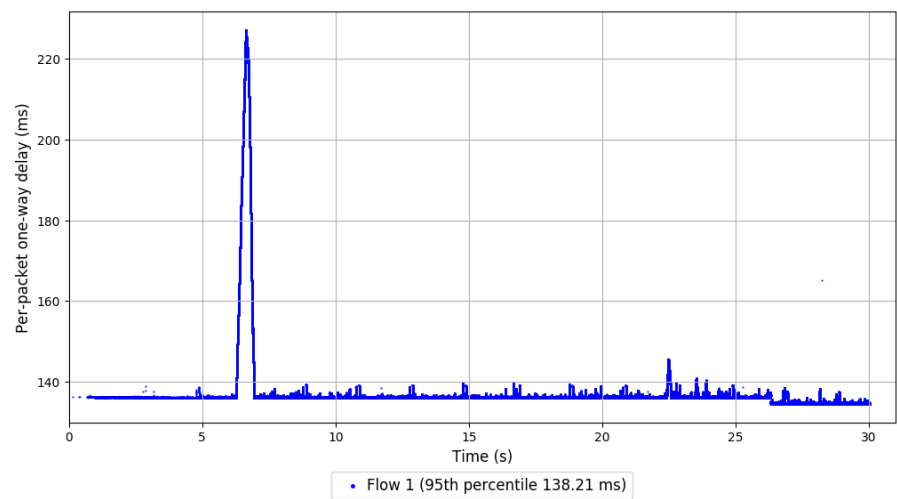
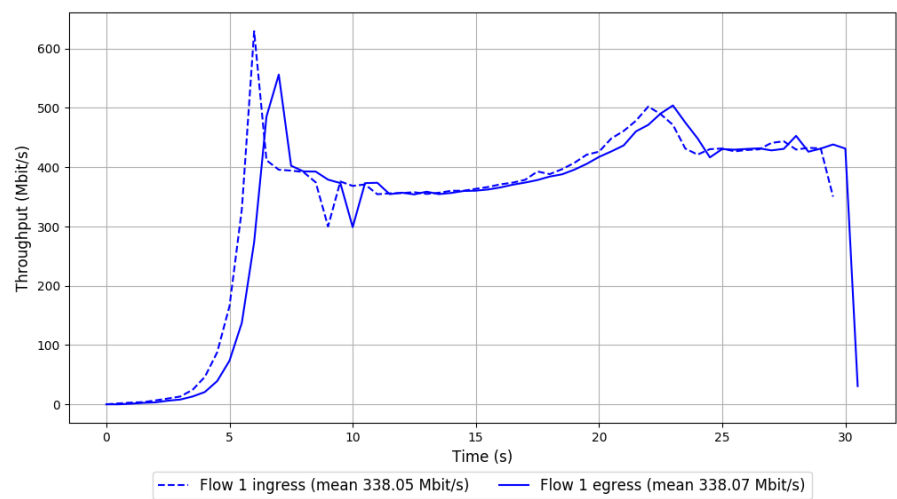
-- Flow 1:

Average throughput: 338.07 Mbit/s

95th percentile per-packet one-way delay: 138.205 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-05-22 21:59:19

End at: 2018-05-22 21:59:49

Local clock offset: 0.087 ms

Remote clock offset: -0.432 ms

Below is generated by plot.py at 2018-05-22 23:37:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 375.89 Mbit/s

95th percentile per-packet one-way delay: 146.403 ms

Loss rate: 0.20%

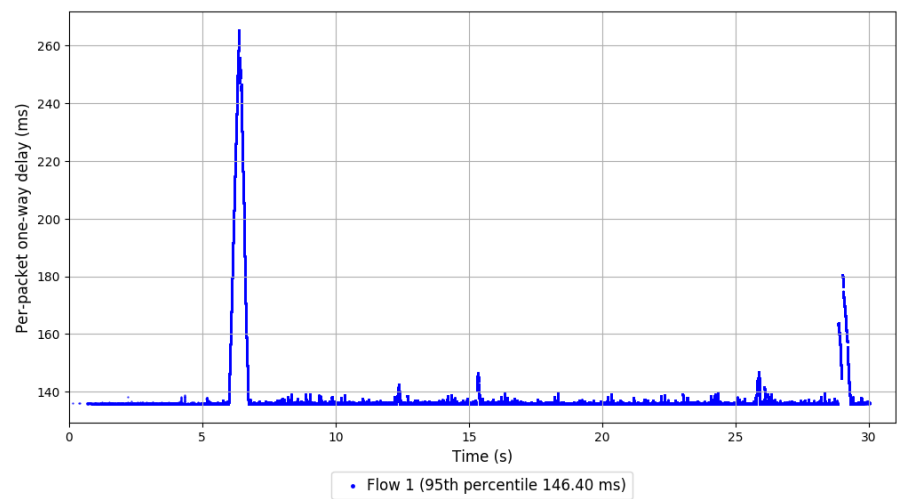
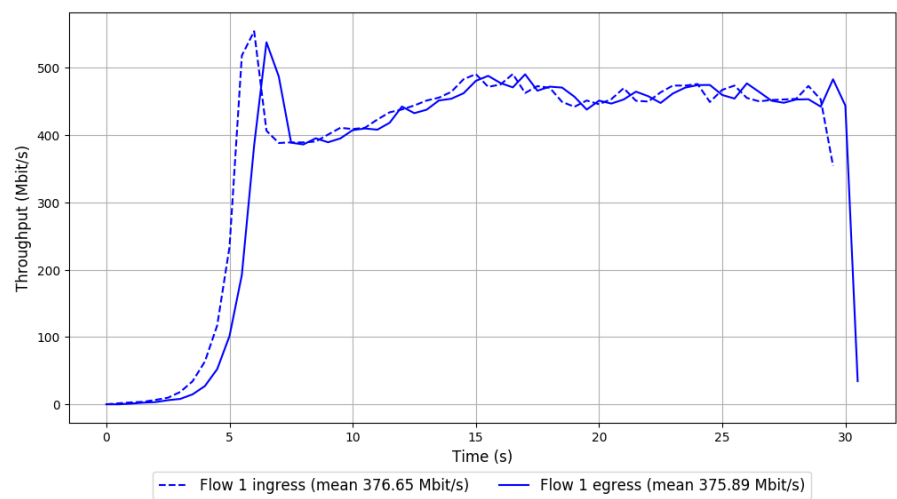
-- Flow 1:

Average throughput: 375.89 Mbit/s

95th percentile per-packet one-way delay: 146.403 ms

Loss rate: 0.20%

Run 10: Report of PCC-Vivace — Data Link

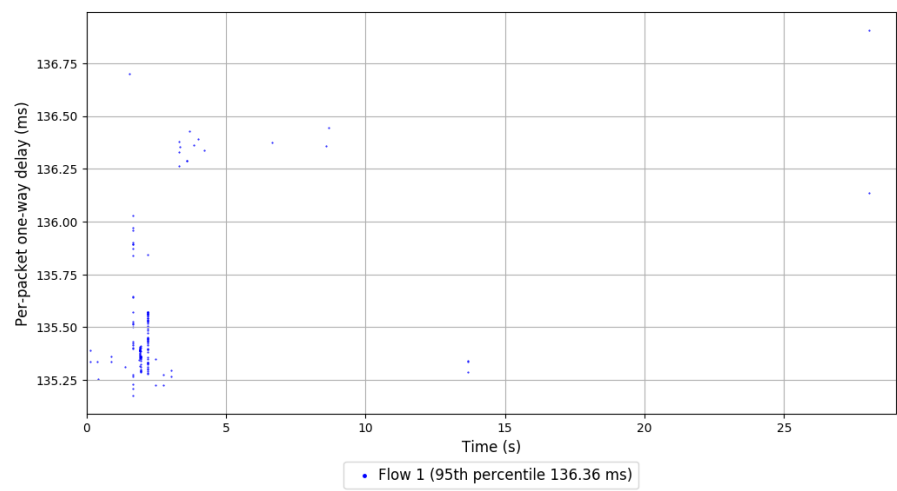
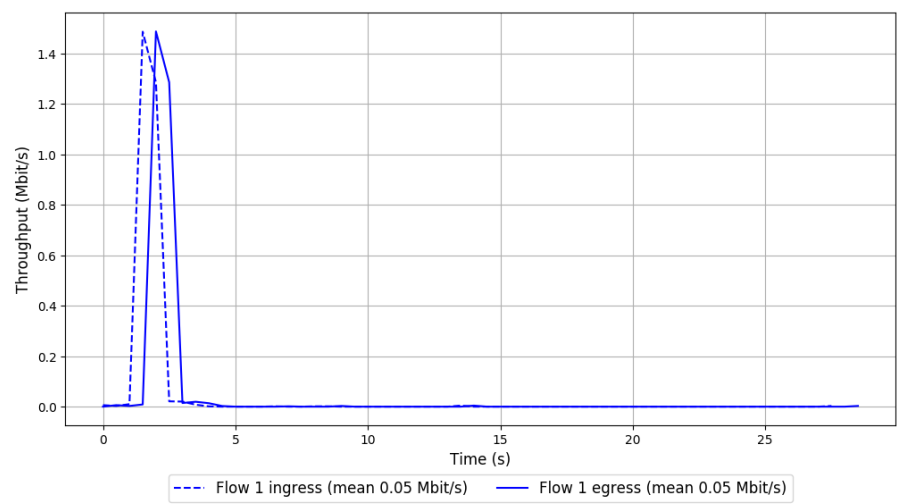


```
Run 1: Statistics of WebRTC media

Start at: 2018-05-22 18:41:25
End at: 2018-05-22 18:41:55
Local clock offset: -0.176 ms
Remote clock offset: -0.093 ms

# Below is generated by plot.py at 2018-05-22 23:37:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.358 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.358 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

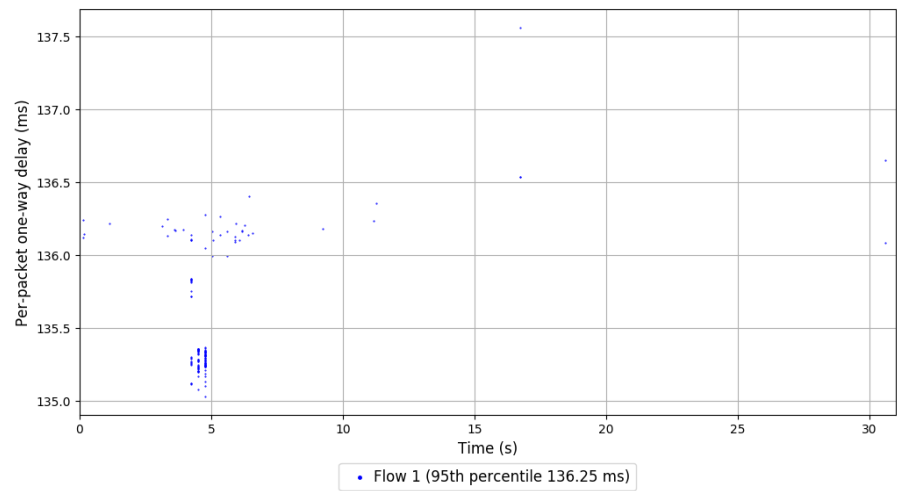
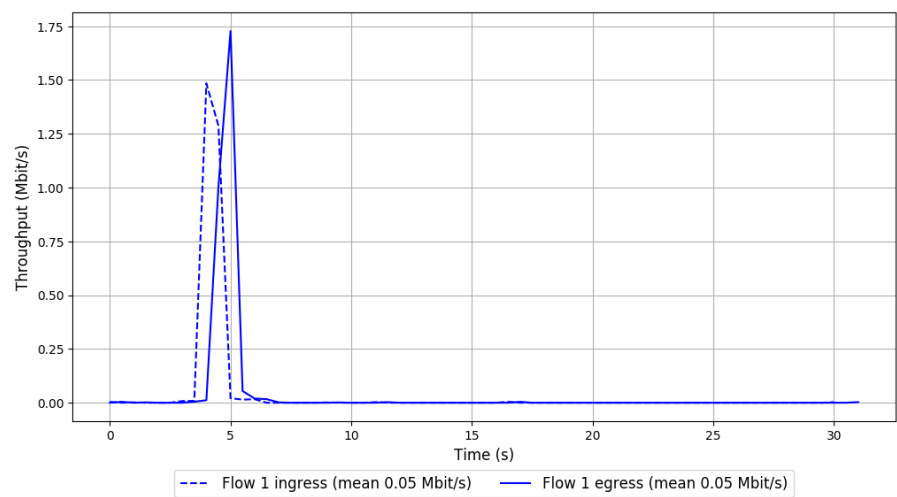


Run 2: Statistics of WebRTC media

Start at: 2018-05-22 19:02:49
End at: 2018-05-22 19:03:19
Local clock offset: -0.102 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-05-22 23:37:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.250 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.250 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

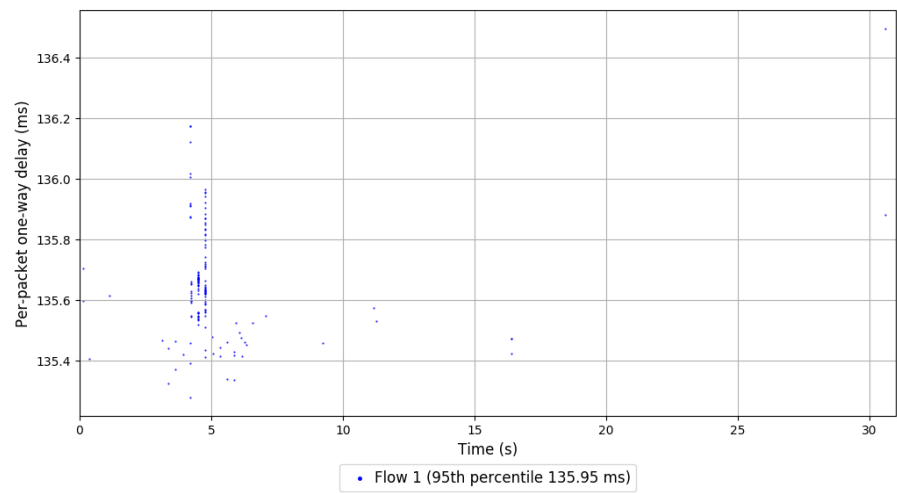
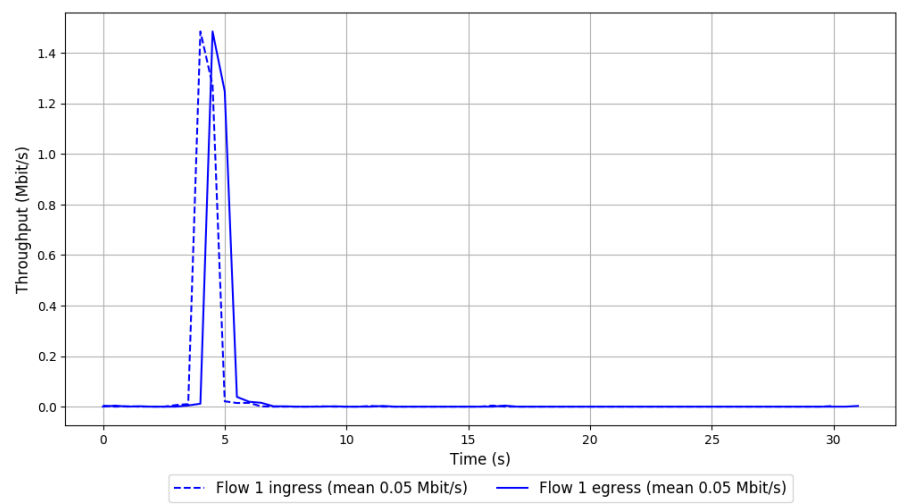


Run 3: Statistics of WebRTC media

Start at: 2018-05-22 19:23:52
End at: 2018-05-22 19:24:22
Local clock offset: 0.235 ms
Remote clock offset: -0.374 ms

Below is generated by plot.py at 2018-05-22 23:37:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 135.953 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 135.953 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-05-22 19:45:30

End at: 2018-05-22 19:46:00

Local clock offset: 0.302 ms

Remote clock offset: 0.41 ms

Below is generated by plot.py at 2018-05-22 23:37:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 136.781 ms

Loss rate: 0.00%

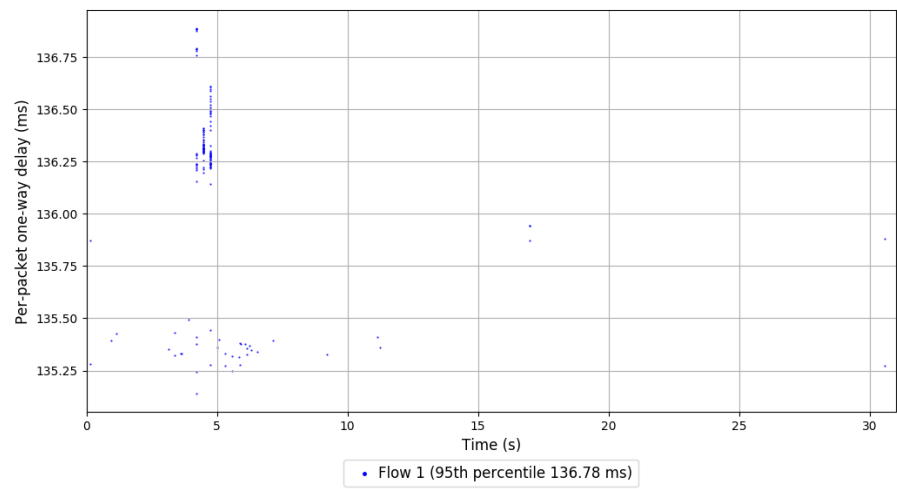
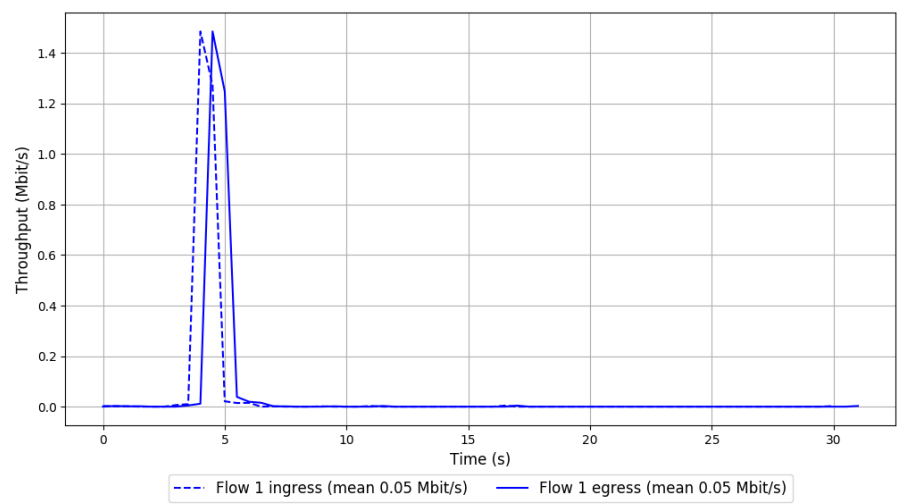
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 136.781 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

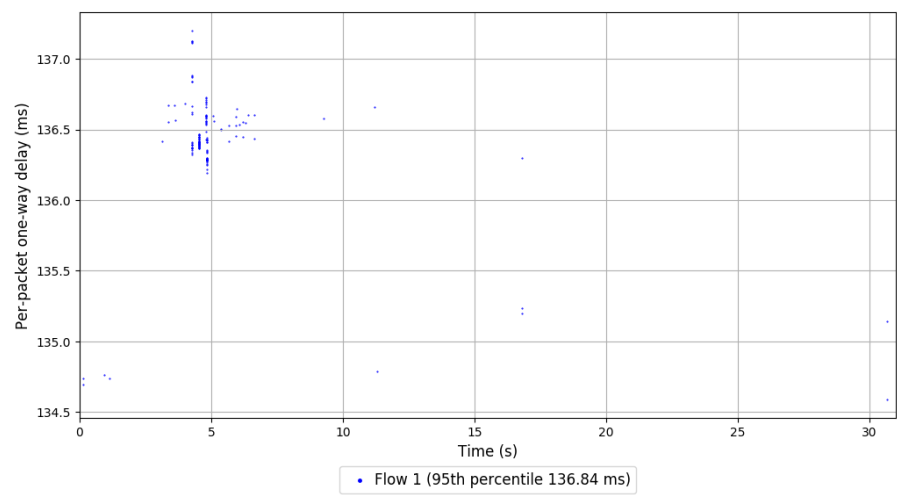
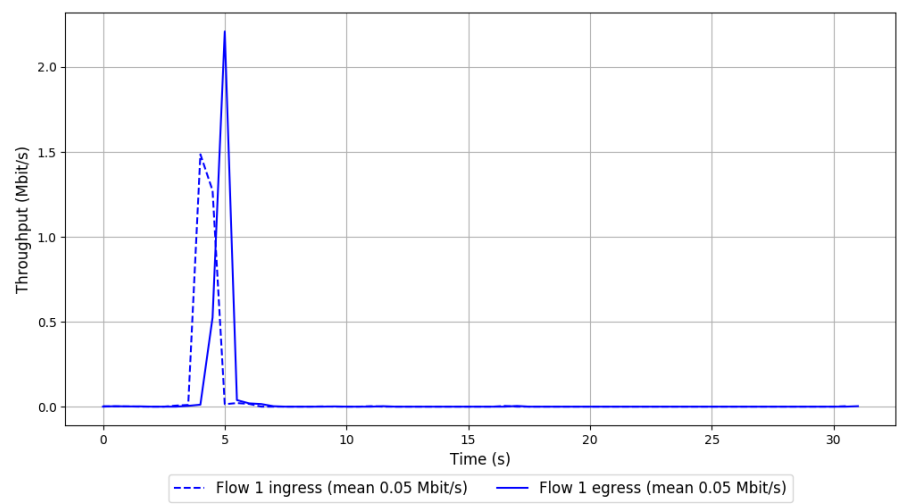


Run 5: Statistics of WebRTC media

Start at: 2018-05-22 20:07:00
End at: 2018-05-22 20:07:30
Local clock offset: -0.165 ms
Remote clock offset: -0.438 ms

Below is generated by plot.py at 2018-05-22 23:37:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.840 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.840 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

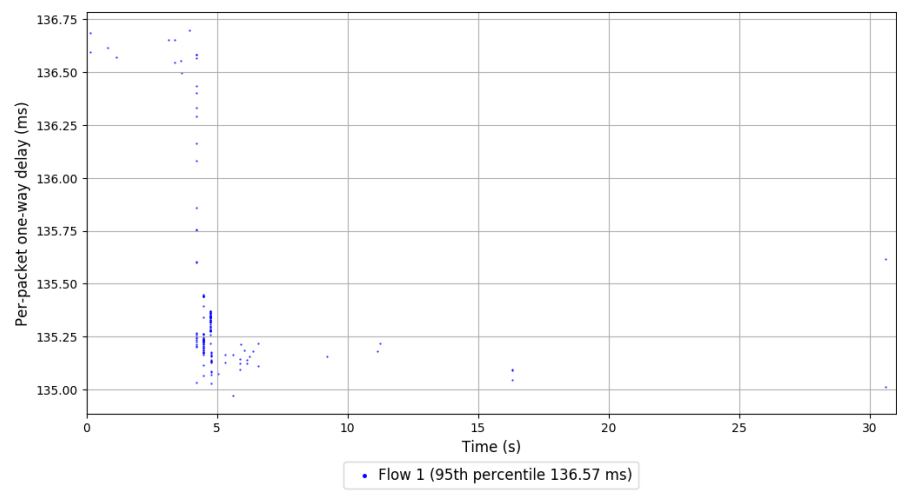
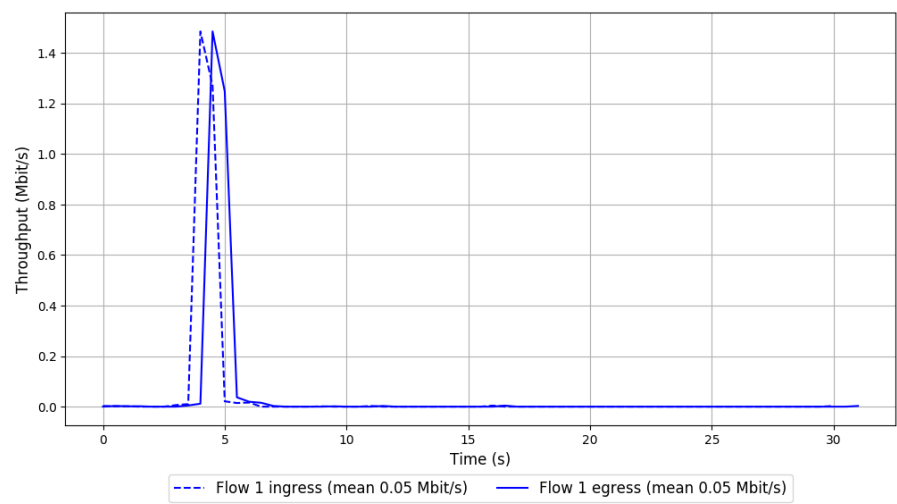


Run 6: Statistics of WebRTC media

Start at: 2018-05-22 20:28:27
End at: 2018-05-22 20:28:57
Local clock offset: -0.043 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-05-22 23:37:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.569 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.569 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

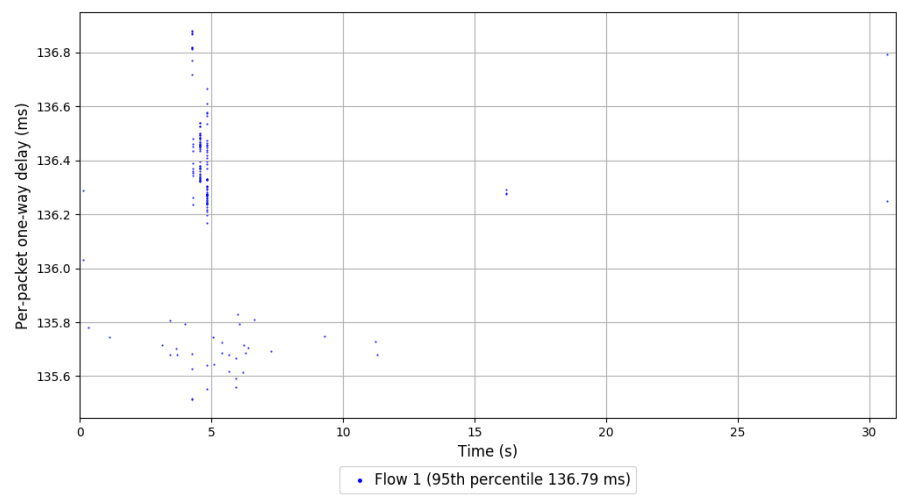
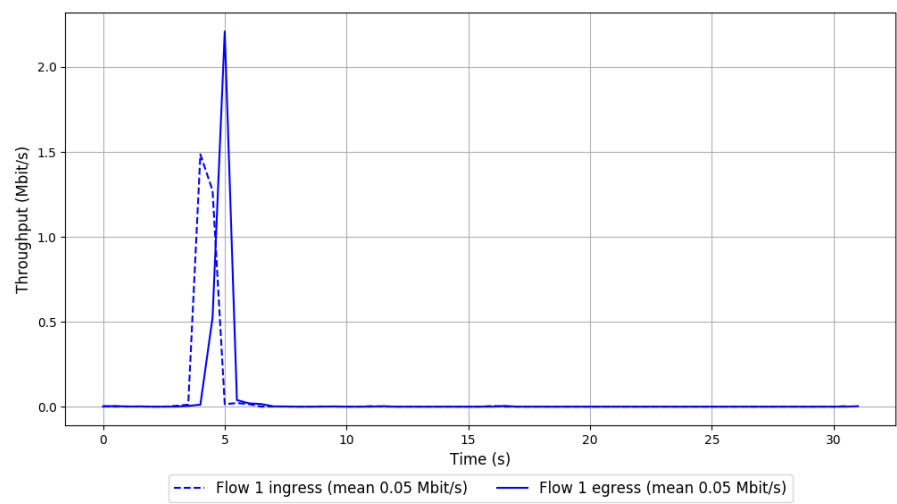


Run 7: Statistics of WebRTC media

Start at: 2018-05-22 20:49:29
End at: 2018-05-22 20:49:59
Local clock offset: 0.148 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-05-22 23:37:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.791 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.791 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

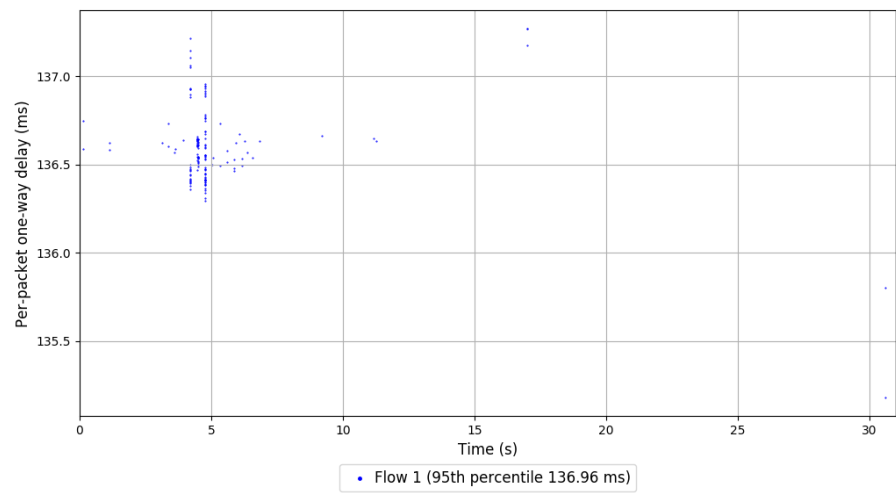
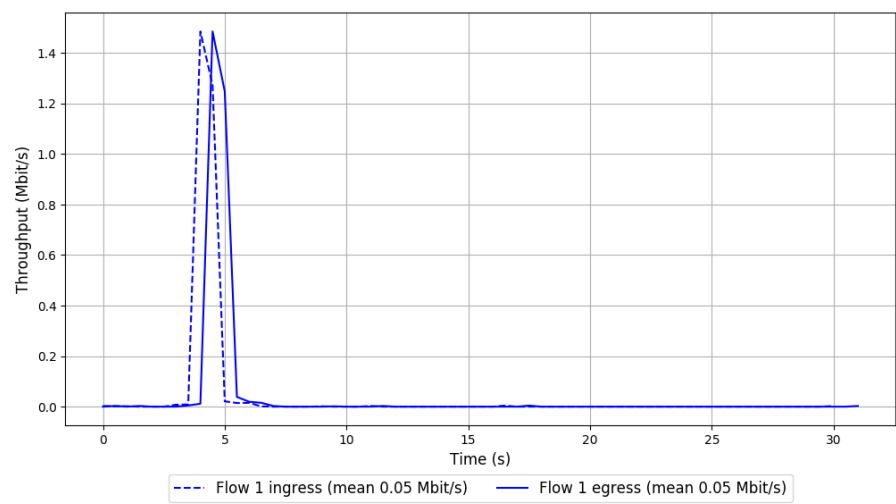


Run 8: Statistics of WebRTC media

Start at: 2018-05-22 21:10:52
End at: 2018-05-22 21:11:22
Local clock offset: -0.111 ms
Remote clock offset: -0.433 ms

Below is generated by plot.py at 2018-05-22 23:37:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.958 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.958 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

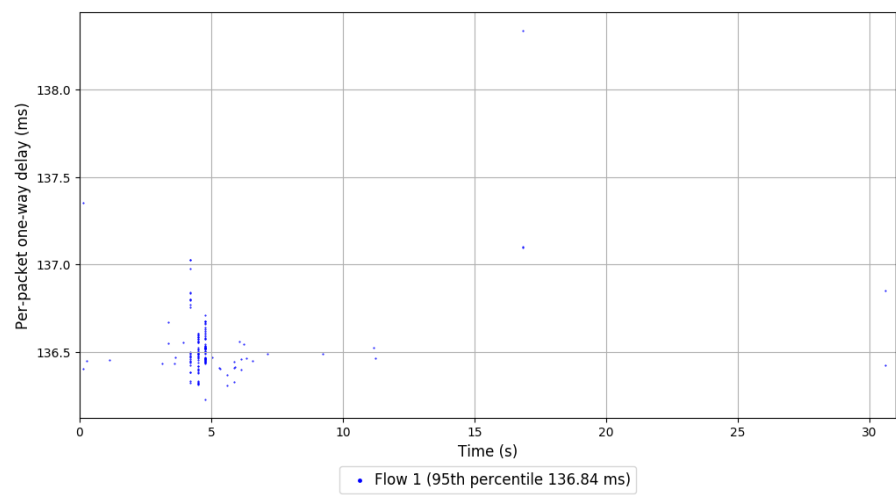
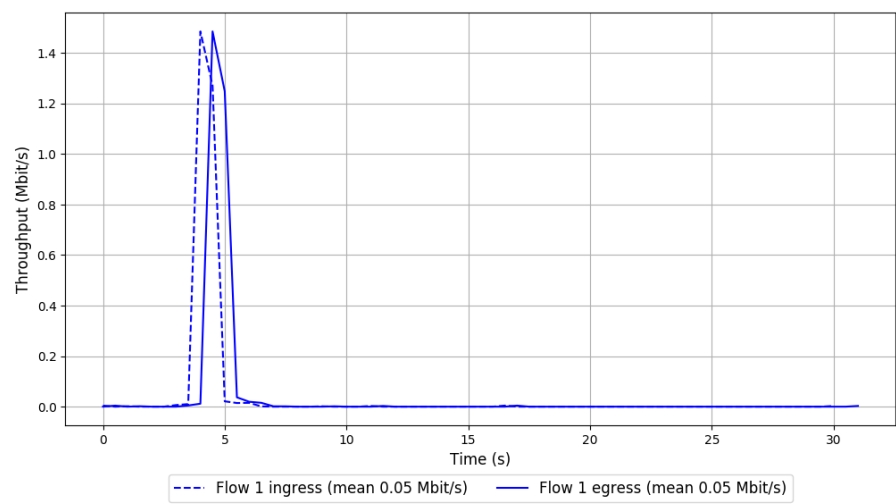


Run 9: Statistics of WebRTC media

Start at: 2018-05-22 21:32:31
End at: 2018-05-22 21:33:01
Local clock offset: 0.157 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-05-22 23:37:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.843 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 136.843 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-22 21:53:40

End at: 2018-05-22 21:54:10

Local clock offset: 0.202 ms

Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-05-22 23:37:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 136.429 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 136.429 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

