

Pantheon Report

Generated at 2018-07-05 04:34:04 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

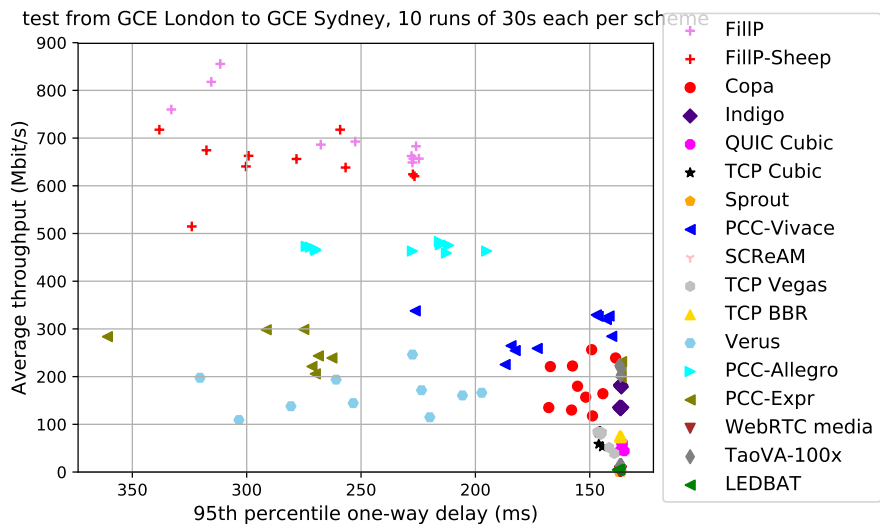
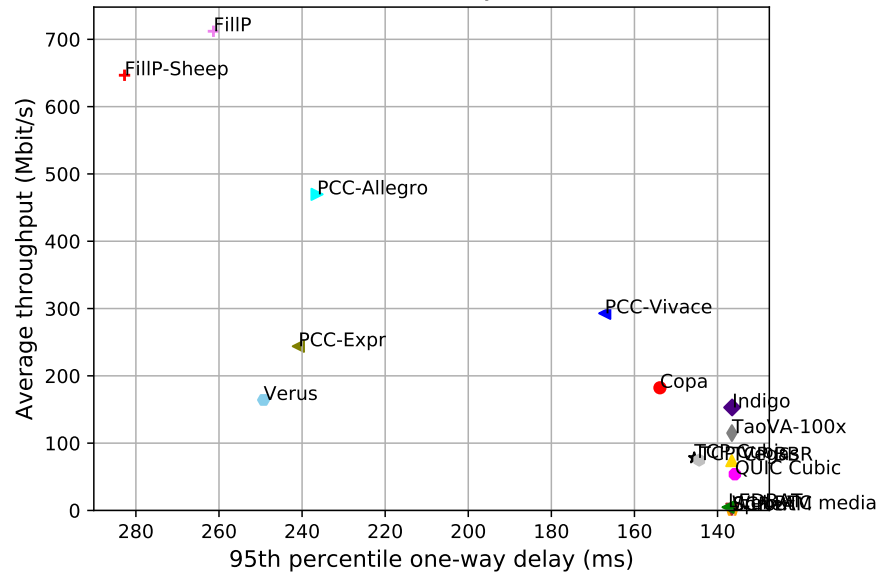
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	74.10	136.57	0.98
Copa	10	182.26	153.87	1.13
TCP Cubic	10	78.11	145.60	1.02
FillP	10	711.99	261.34	5.67
FillP-Sheep	10	646.65	282.73	8.19
Indigo	10	153.02	136.49	0.96
LEDBAT	10	4.78	137.47	1.83
PCC-Allegro	10	469.67	236.39	2.97
PCC-Expr	10	243.93	240.91	3.31
QUIC Cubic	6	53.88	135.83	1.32
SCReAM	10	0.22	136.31	0.86
Sprout	10	0.16	136.48	0.88
TaoVA-100x	10	114.92	136.54	0.96
TCP Vegas	10	74.80	144.41	0.96
Verus	10	164.19	249.27	2.41
PCC-Vivace	10	292.88	167.15	1.84
WebRTC media	10	1.81	136.56	1.06

Run 1: Statistics of TCP BBR

Start at: 2018-07-04 23:07:01

End at: 2018-07-04 23:07:31

Local clock offset: -0.207 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-07-05 03:03:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.50 Mbit/s

95th percentile per-packet one-way delay: 136.313 ms

Loss rate: 0.96%

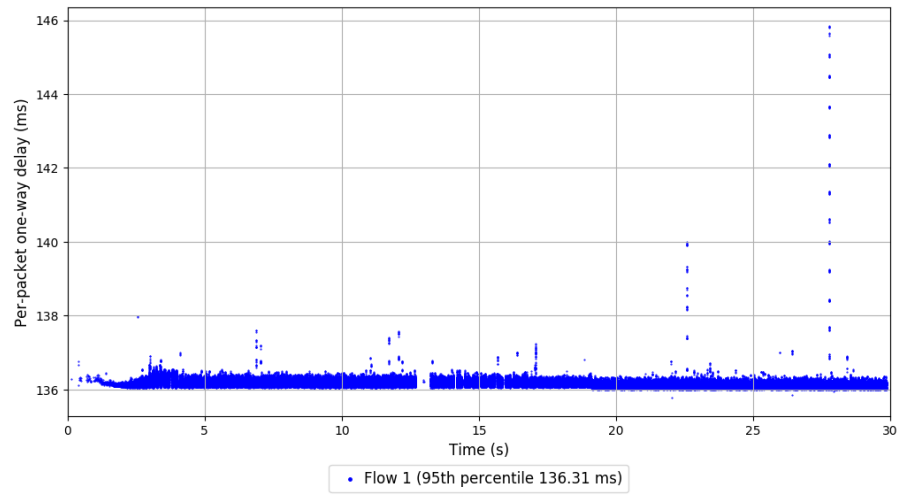
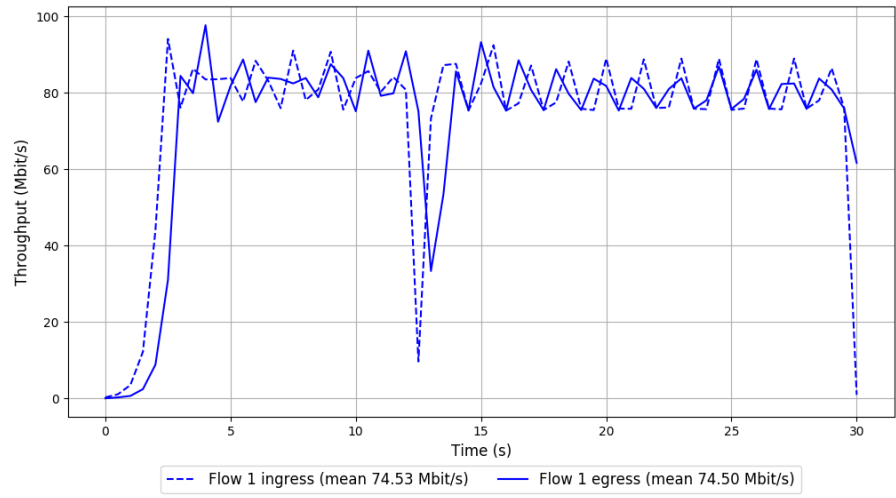
-- Flow 1:

Average throughput: 74.50 Mbit/s

95th percentile per-packet one-way delay: 136.313 ms

Loss rate: 0.96%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-04 23:29:29

End at: 2018-07-04 23:30:00

Local clock offset: 0.081 ms

Remote clock offset: -0.468 ms

Below is generated by plot.py at 2018-07-05 03:03:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.30 Mbit/s

95th percentile per-packet one-way delay: 136.928 ms

Loss rate: 0.95%

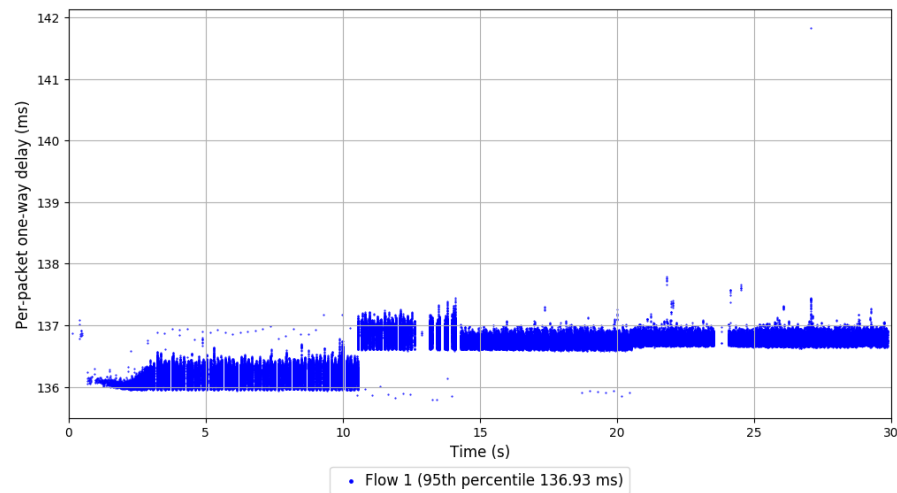
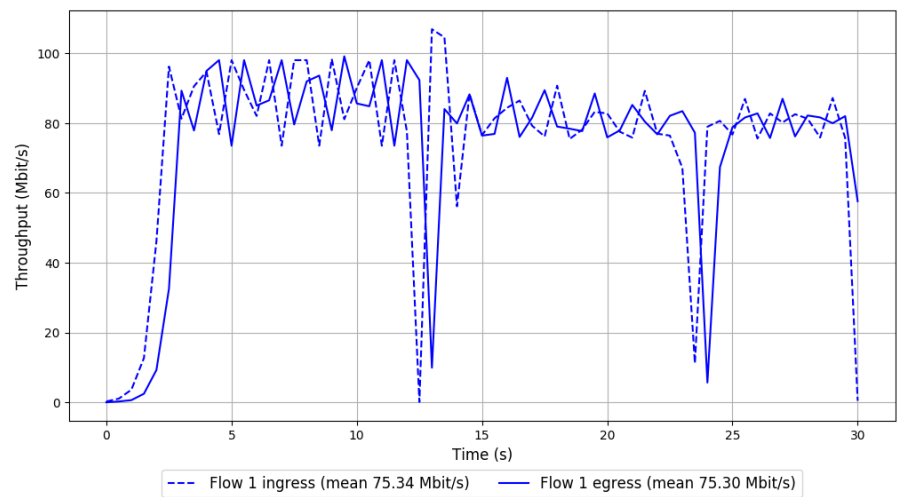
-- Flow 1:

Average throughput: 75.30 Mbit/s

95th percentile per-packet one-way delay: 136.928 ms

Loss rate: 0.95%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-04 23:52:30

End at: 2018-07-04 23:53:00

Local clock offset: 0.164 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-07-05 03:03:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.81 Mbit/s

95th percentile per-packet one-way delay: 136.629 ms

Loss rate: 0.95%

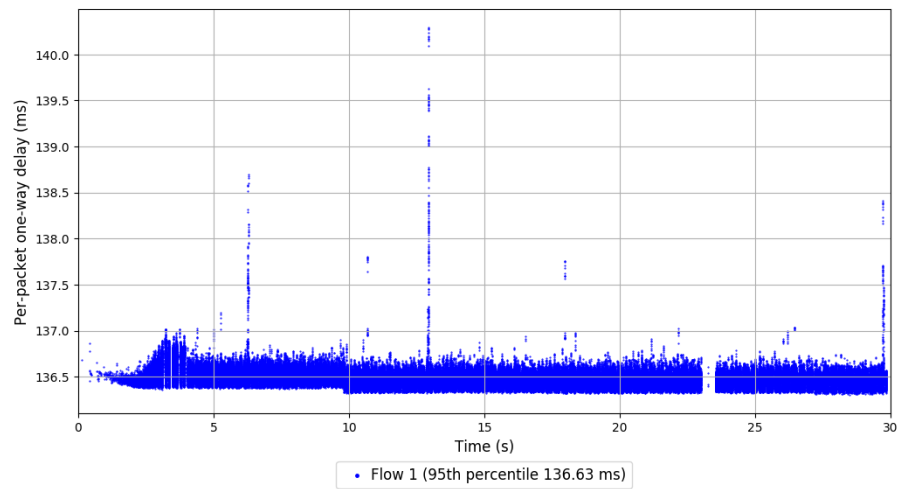
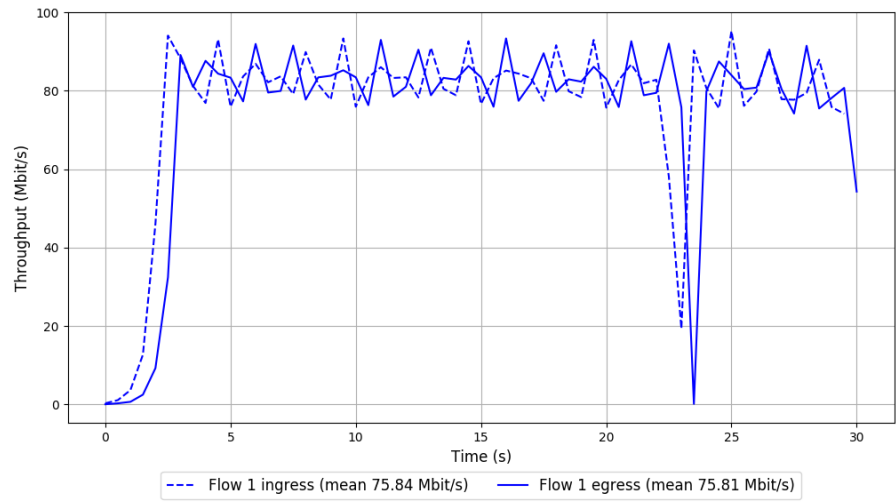
-- Flow 1:

Average throughput: 75.81 Mbit/s

95th percentile per-packet one-way delay: 136.629 ms

Loss rate: 0.95%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-05 00:14:54

End at: 2018-07-05 00:15:24

Local clock offset: -0.042 ms

Remote clock offset: 0.252 ms

Below is generated by plot.py at 2018-07-05 03:03:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.75 Mbit/s

95th percentile per-packet one-way delay: 136.109 ms

Loss rate: 0.97%

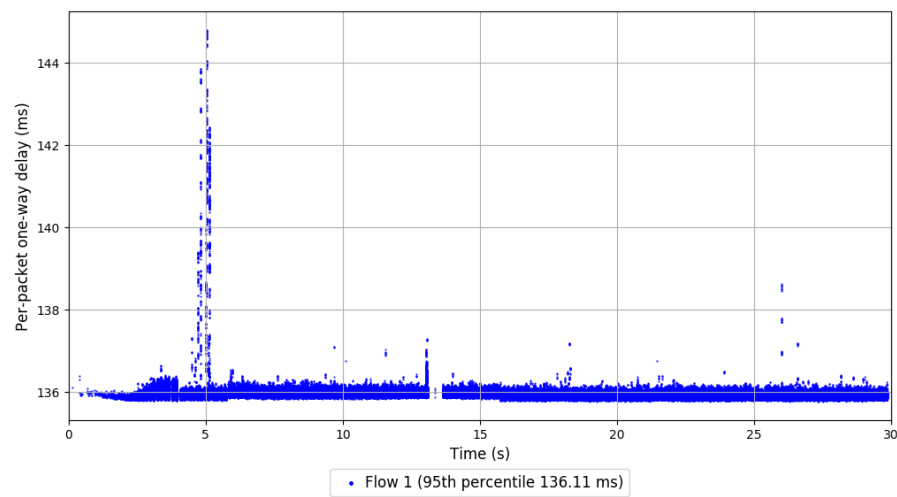
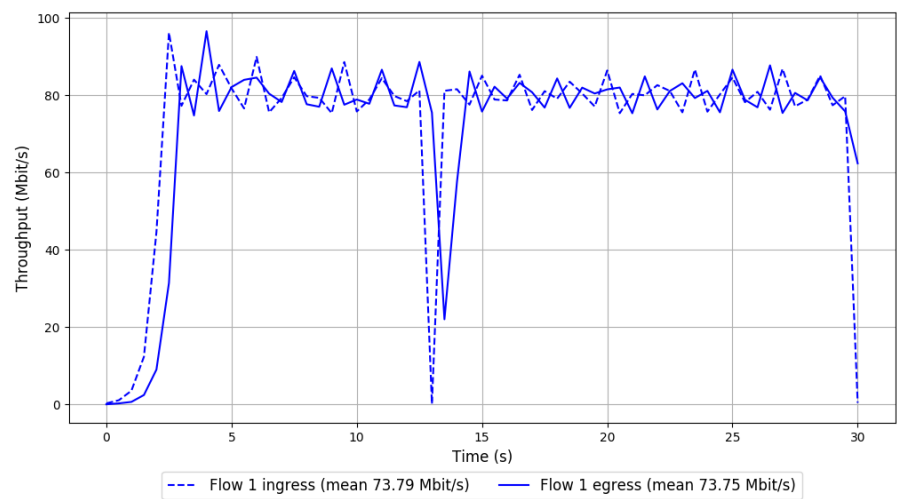
-- Flow 1:

Average throughput: 73.75 Mbit/s

95th percentile per-packet one-way delay: 136.109 ms

Loss rate: 0.97%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-05 00:37:57

End at: 2018-07-05 00:38:27

Local clock offset: 0.037 ms

Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-07-05 03:03:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.13 Mbit/s

95th percentile per-packet one-way delay: 136.572 ms

Loss rate: 0.98%

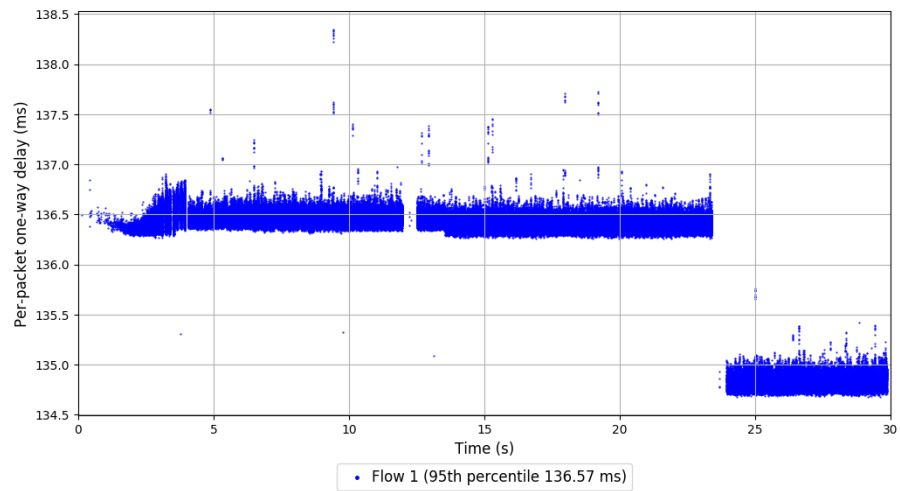
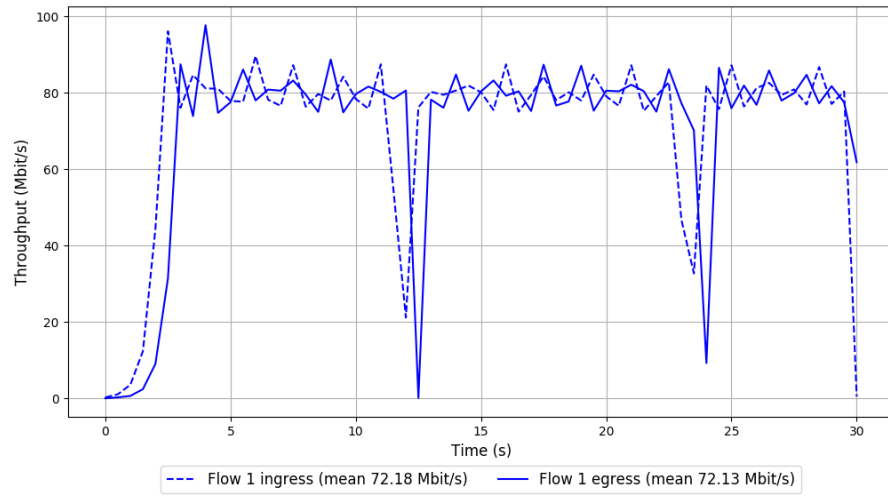
-- Flow 1:

Average throughput: 72.13 Mbit/s

95th percentile per-packet one-way delay: 136.572 ms

Loss rate: 0.98%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-05 01:01:00

End at: 2018-07-05 01:01:30

Local clock offset: 0.128 ms

Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-05 03:03:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.43 Mbit/s

95th percentile per-packet one-way delay: 136.443 ms

Loss rate: 0.94%

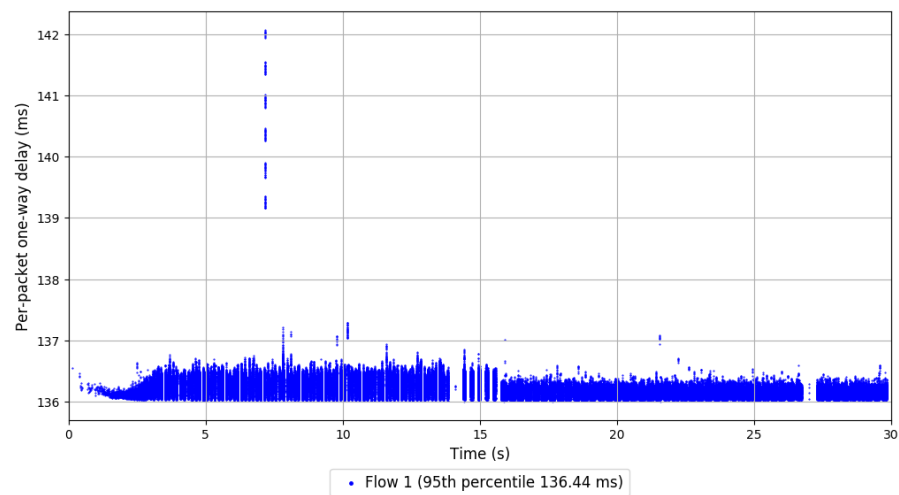
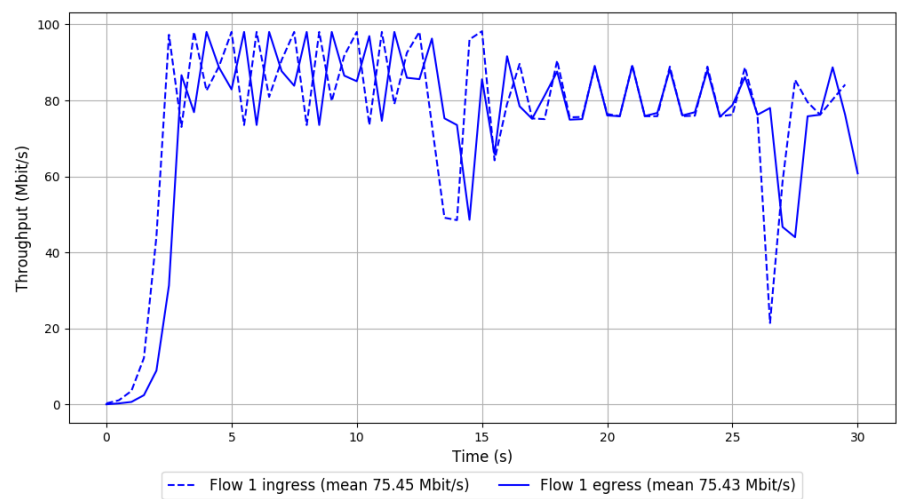
-- Flow 1:

Average throughput: 75.43 Mbit/s

95th percentile per-packet one-way delay: 136.443 ms

Loss rate: 0.94%

Run 6: Report of TCP BBR — Data Link

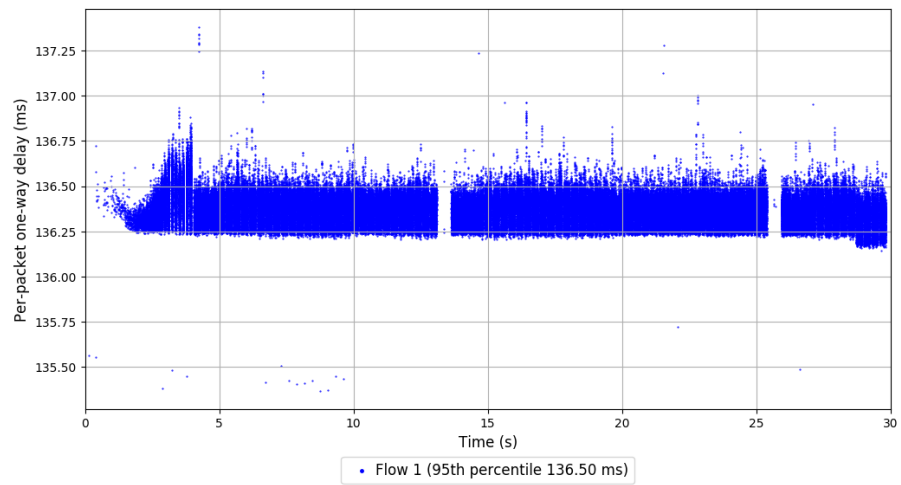
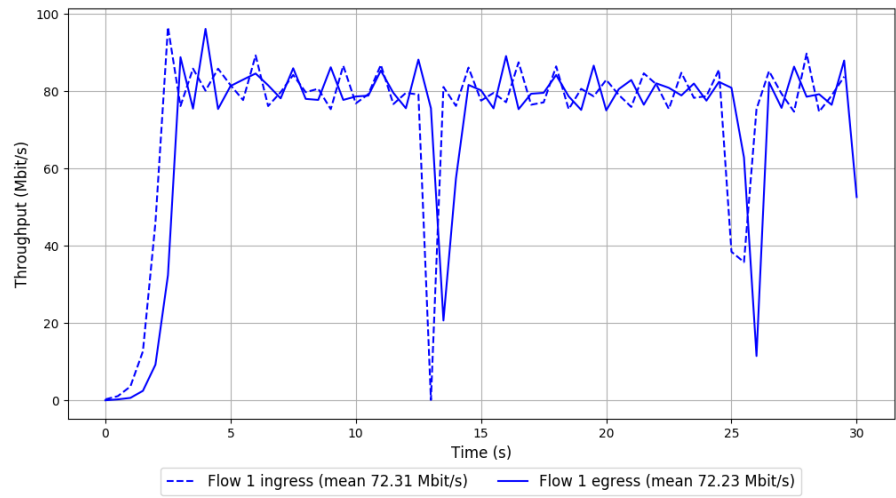


Run 7: Statistics of TCP BBR

Start at: 2018-07-05 01:23:51
End at: 2018-07-05 01:24:21
Local clock offset: 0.018 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-05 03:03:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.23 Mbit/s
95th percentile per-packet one-way delay: 136.496 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 72.23 Mbit/s
95th percentile per-packet one-way delay: 136.496 ms
Loss rate: 1.08%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-05 01:47:04

End at: 2018-07-05 01:47:34

Local clock offset: -0.07 ms

Remote clock offset: -0.464 ms

Below is generated by plot.py at 2018-07-05 03:03:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.70 Mbit/s

95th percentile per-packet one-way delay: 136.822 ms

Loss rate: 0.96%

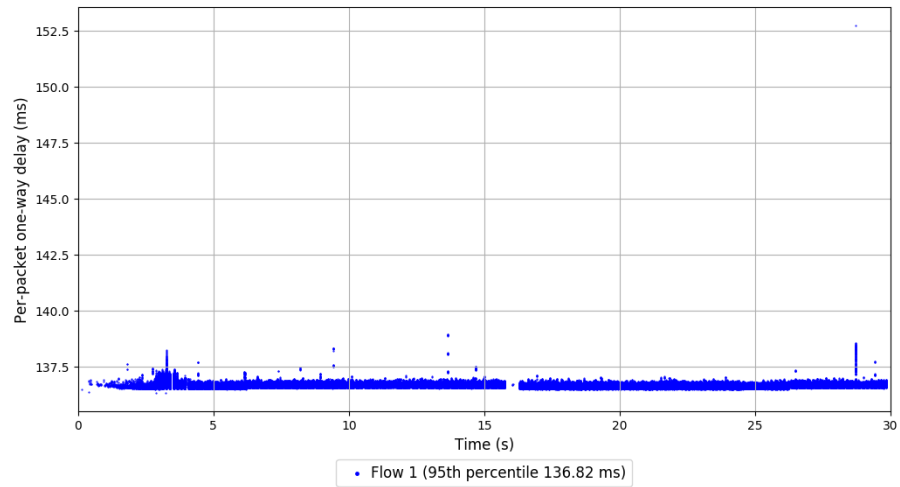
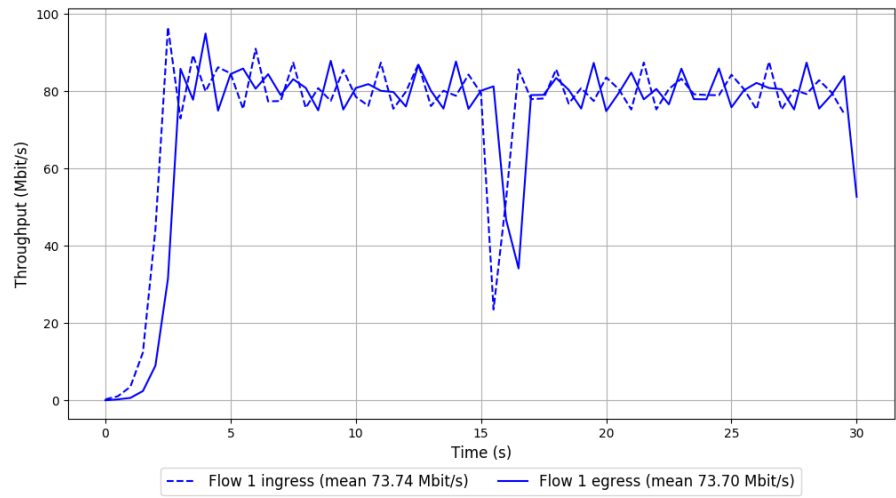
-- Flow 1:

Average throughput: 73.70 Mbit/s

95th percentile per-packet one-way delay: 136.822 ms

Loss rate: 0.96%

Run 8: Report of TCP BBR — Data Link

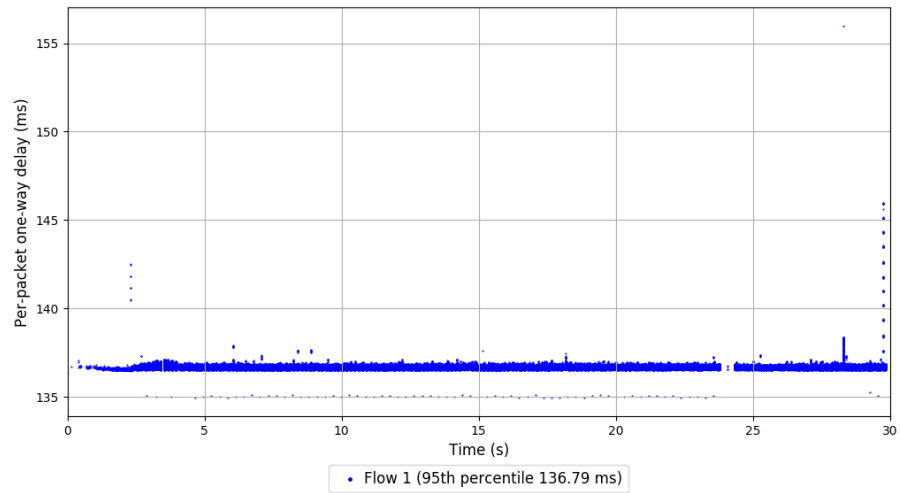
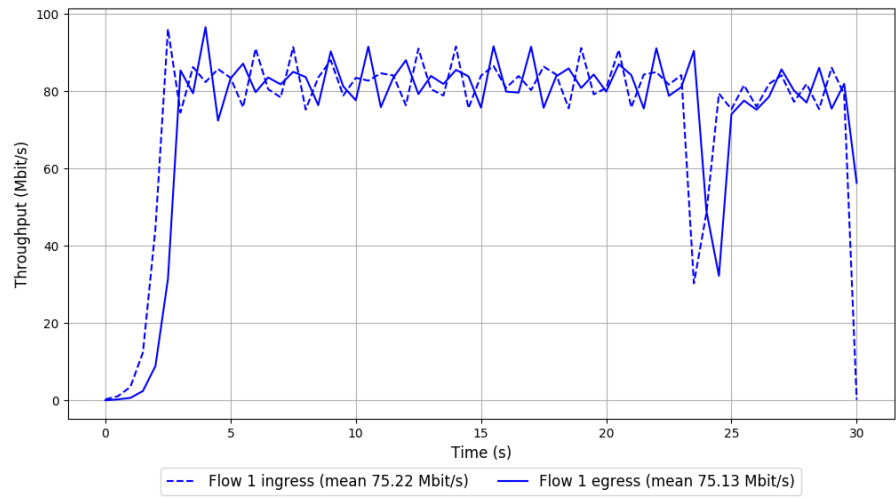


Run 9: Statistics of TCP BBR

Start at: 2018-07-05 02:09:38
End at: 2018-07-05 02:10:08
Local clock offset: -0.074 ms
Remote clock offset: -0.444 ms

Below is generated by plot.py at 2018-07-05 03:04:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.13 Mbit/s
95th percentile per-packet one-way delay: 136.793 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 75.13 Mbit/s
95th percentile per-packet one-way delay: 136.793 ms
Loss rate: 1.03%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-05 02:32:10

End at: 2018-07-05 02:32:40

Local clock offset: 0.045 ms

Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-07-05 03:04:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.00 Mbit/s

95th percentile per-packet one-way delay: 136.561 ms

Loss rate: 0.98%

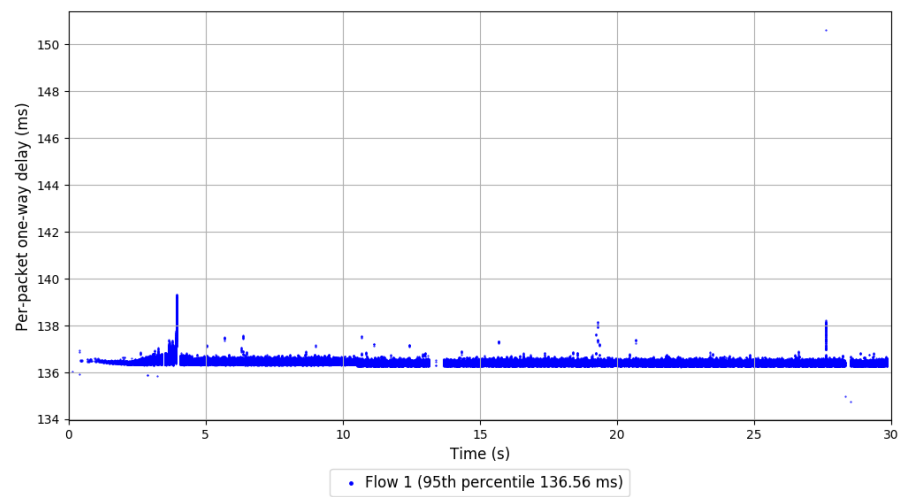
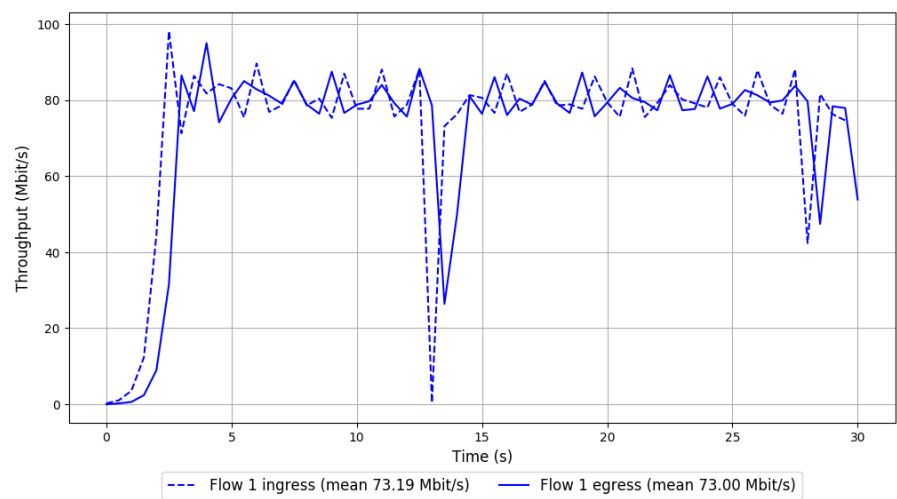
-- Flow 1:

Average throughput: 73.00 Mbit/s

95th percentile per-packet one-way delay: 136.561 ms

Loss rate: 0.98%

Run 10: Report of TCP BBR — Data Link

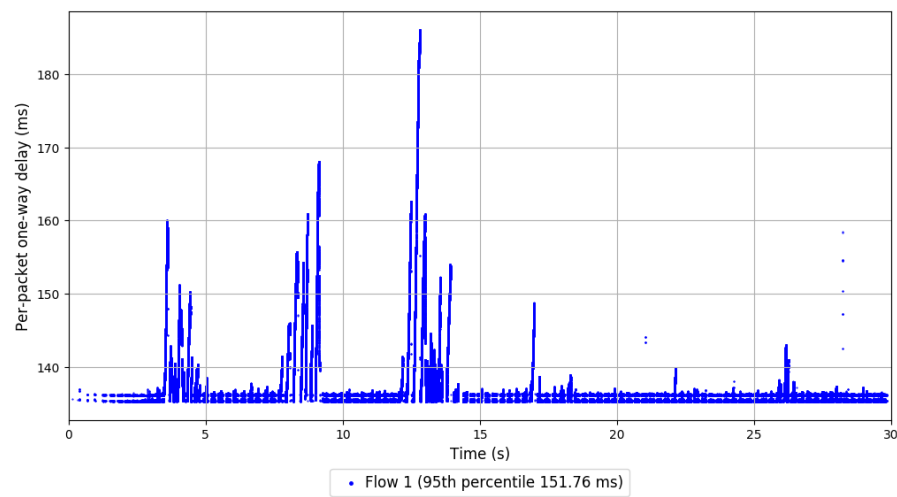
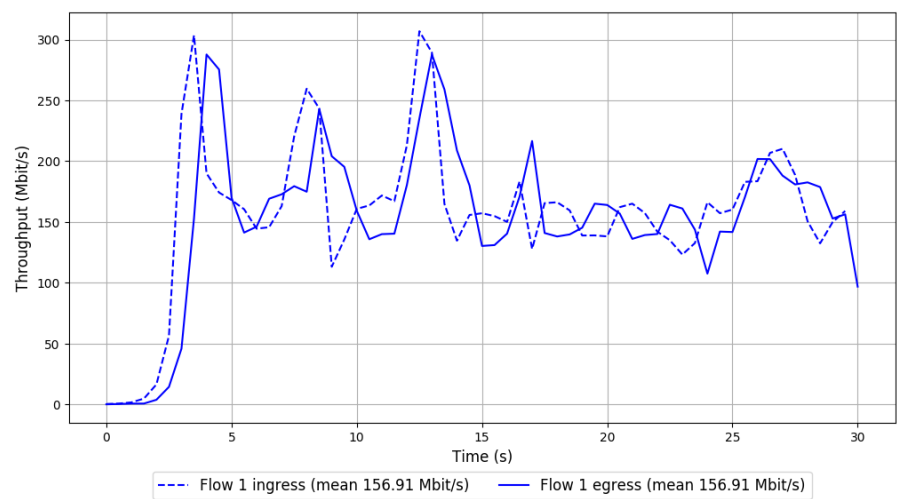


Run 1: Statistics of Copa

Start at: 2018-07-04 23:24:10
End at: 2018-07-04 23:24:40
Local clock offset: -0.106 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2018-07-05 03:08:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 156.91 Mbit/s
95th percentile per-packet one-way delay: 151.759 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 156.91 Mbit/s
95th percentile per-packet one-way delay: 151.759 ms
Loss rate: 0.90%

Run 1: Report of Copa — Data Link

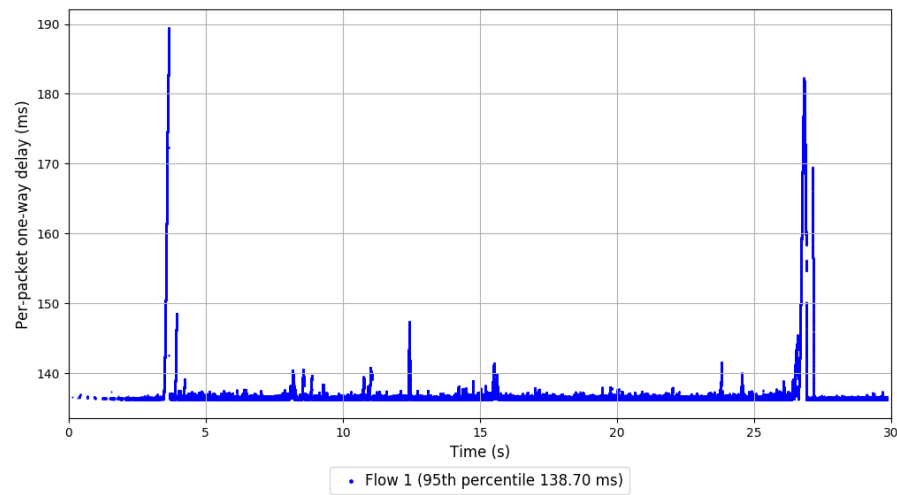
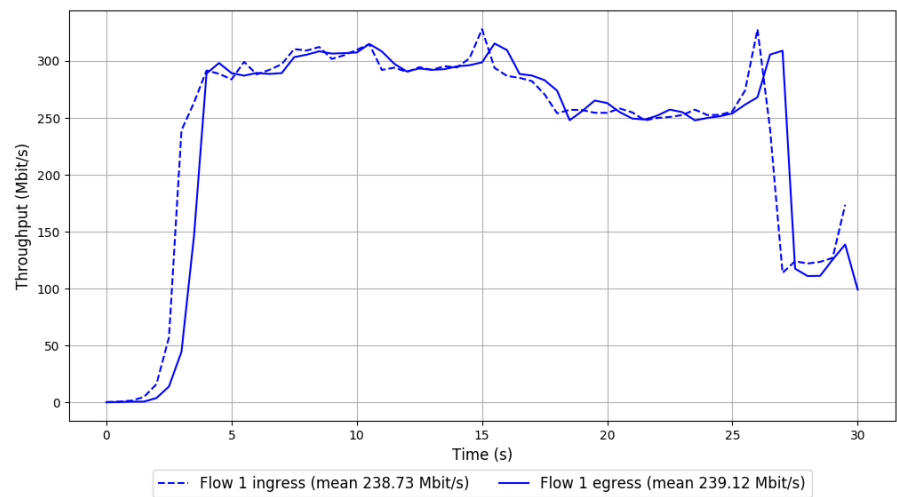


Run 2: Statistics of Copa

Start at: 2018-07-04 23:46:55
End at: 2018-07-04 23:47:25
Local clock offset: 0.032 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-07-05 03:11:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 239.12 Mbit/s
95th percentile per-packet one-way delay: 138.696 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 239.12 Mbit/s
95th percentile per-packet one-way delay: 138.696 ms
Loss rate: 0.75%

Run 2: Report of Copa — Data Link

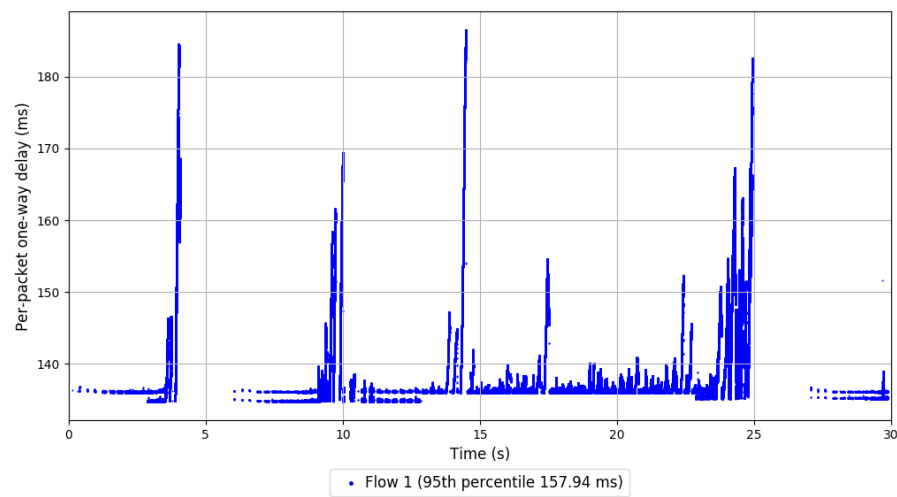
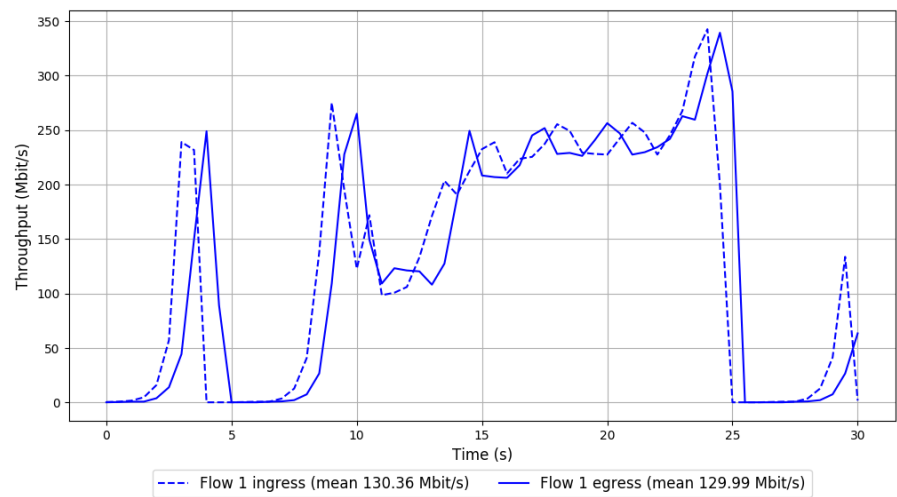


Run 3: Statistics of Copa

Start at: 2018-07-05 00:09:37
End at: 2018-07-05 00:10:07
Local clock offset: -0.213 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-07-05 03:11:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 129.99 Mbit/s
95th percentile per-packet one-way delay: 157.944 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 129.99 Mbit/s
95th percentile per-packet one-way delay: 157.944 ms
Loss rate: 1.19%

Run 3: Report of Copa — Data Link

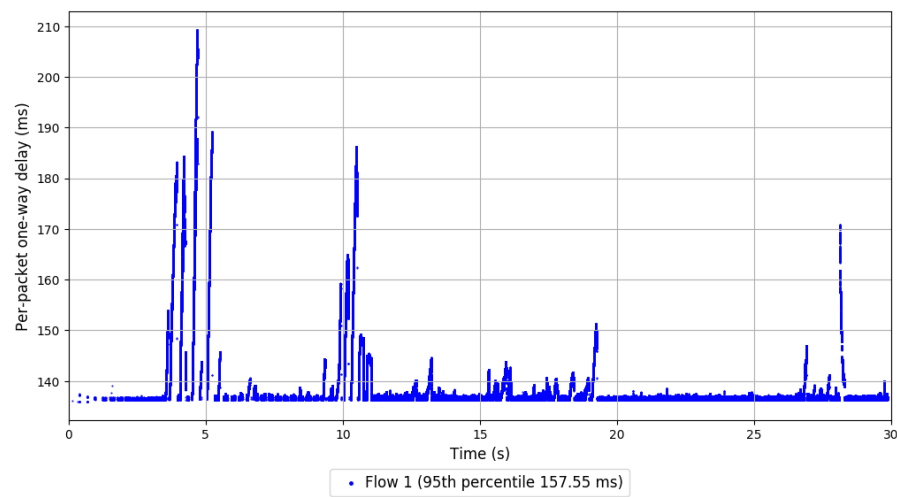
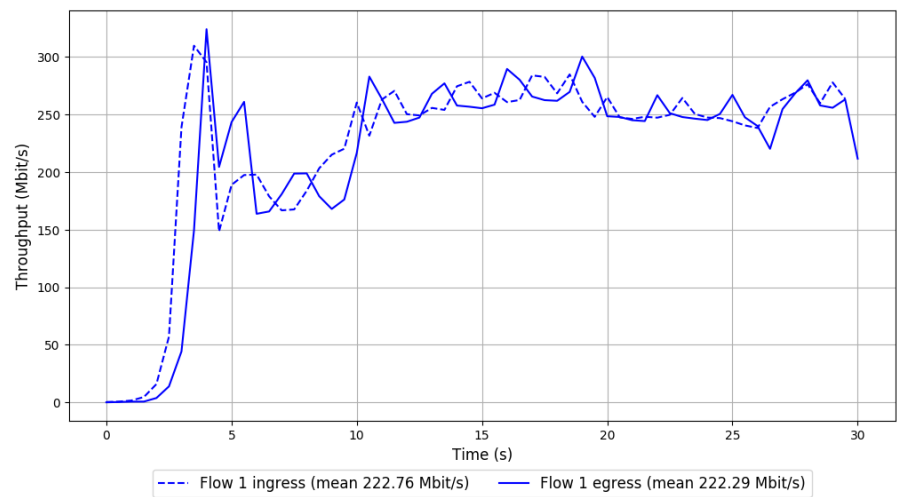


Run 4: Statistics of Copa

Start at: 2018-07-05 00:32:29
End at: 2018-07-05 00:32:59
Local clock offset: 0.032 ms
Remote clock offset: -0.476 ms

Below is generated by plot.py at 2018-07-05 03:11:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.29 Mbit/s
95th percentile per-packet one-way delay: 157.554 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 222.29 Mbit/s
95th percentile per-packet one-way delay: 157.554 ms
Loss rate: 1.11%

Run 4: Report of Copa — Data Link

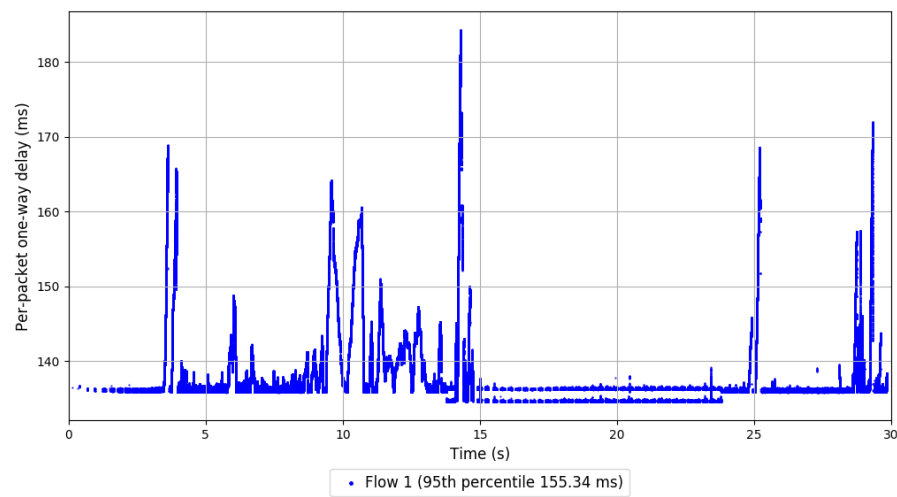
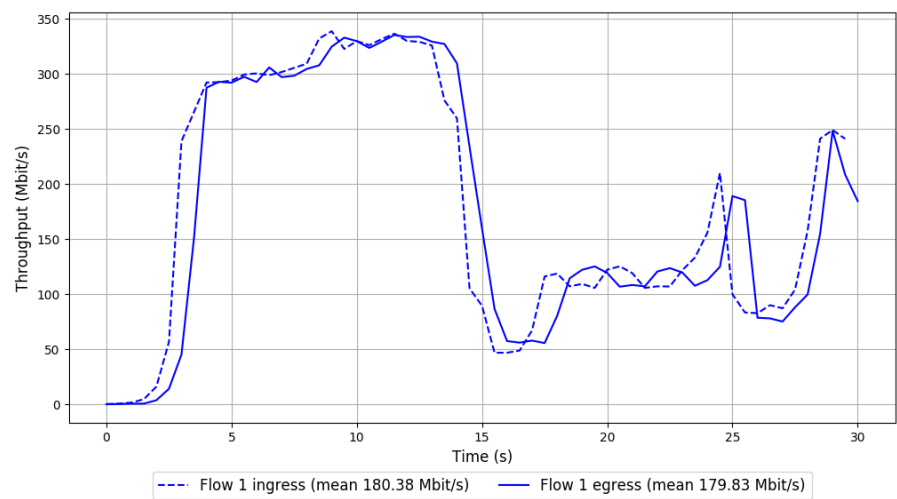


Run 5: Statistics of Copa

Start at: 2018-07-05 00:55:36
End at: 2018-07-05 00:56:06
Local clock offset: -0.014 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-05 03:11:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 179.83 Mbit/s
95th percentile per-packet one-way delay: 155.342 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 179.83 Mbit/s
95th percentile per-packet one-way delay: 155.342 ms
Loss rate: 1.20%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-05 01:18:28

End at: 2018-07-05 01:18:58

Local clock offset: -0.128 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-07-05 03:11:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 164.19 Mbit/s

95th percentile per-packet one-way delay: 144.259 ms

Loss rate: 1.85%

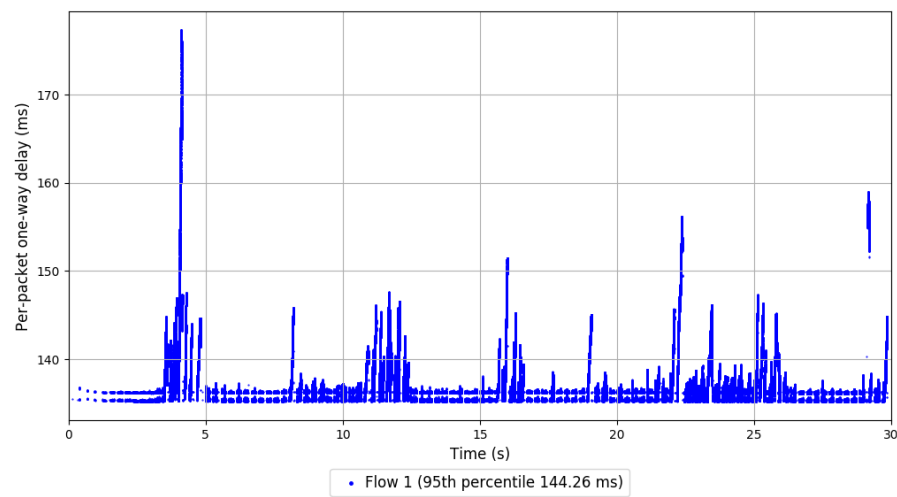
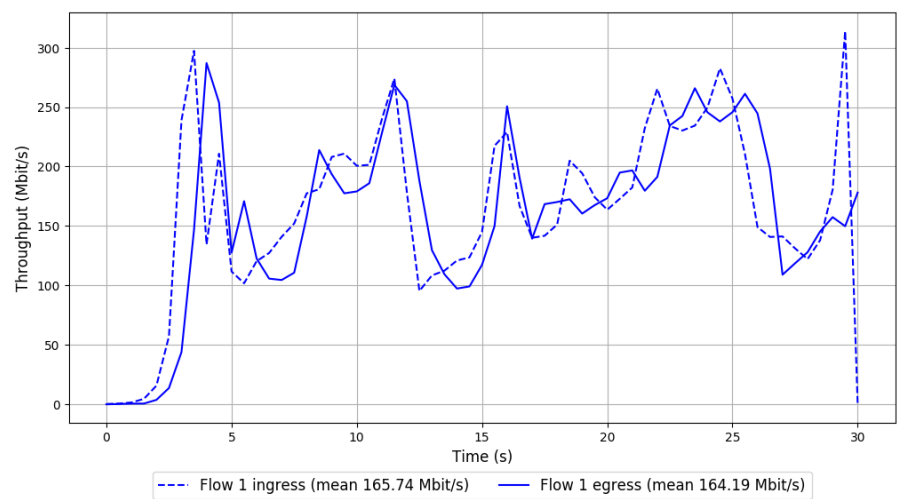
-- Flow 1:

Average throughput: 164.19 Mbit/s

95th percentile per-packet one-way delay: 144.259 ms

Loss rate: 1.85%

Run 6: Report of Copa — Data Link

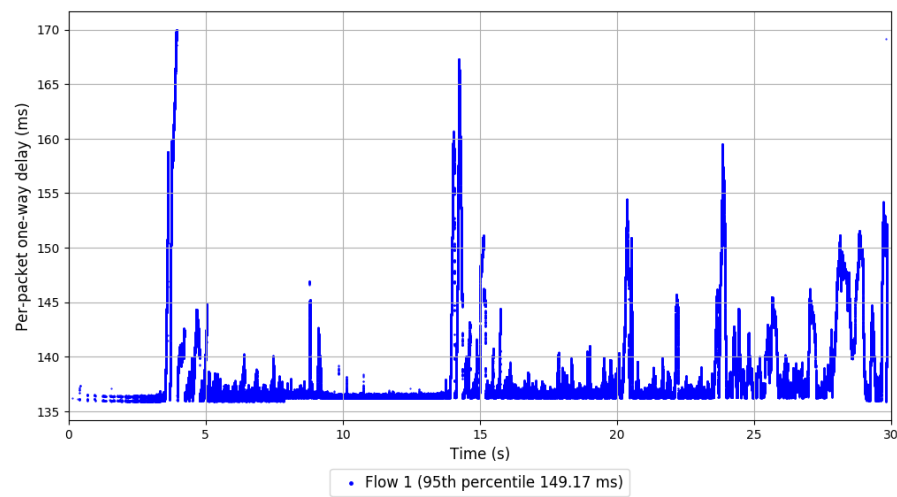
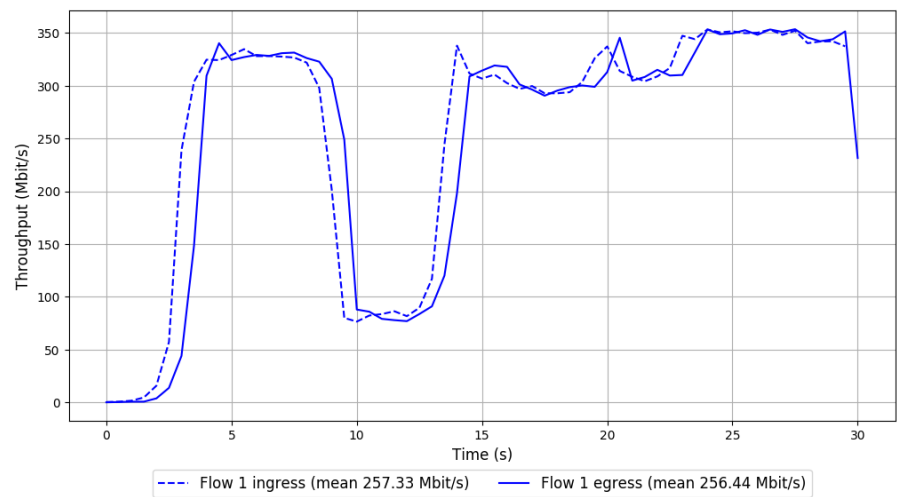


Run 7: Statistics of Copa

Start at: 2018-07-05 01:41:22
End at: 2018-07-05 01:41:52
Local clock offset: 0.021 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-07-05 03:13:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 256.44 Mbit/s
95th percentile per-packet one-way delay: 149.167 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 256.44 Mbit/s
95th percentile per-packet one-way delay: 149.167 ms
Loss rate: 1.25%

Run 7: Report of Copa — Data Link

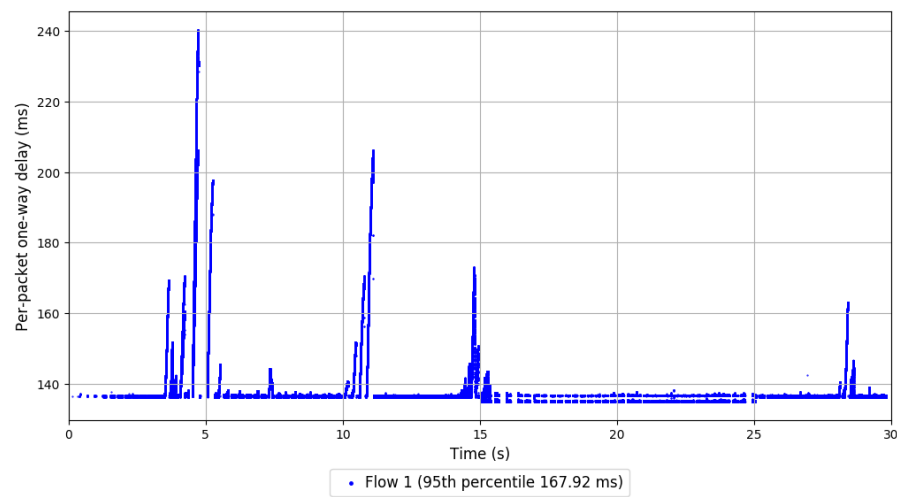
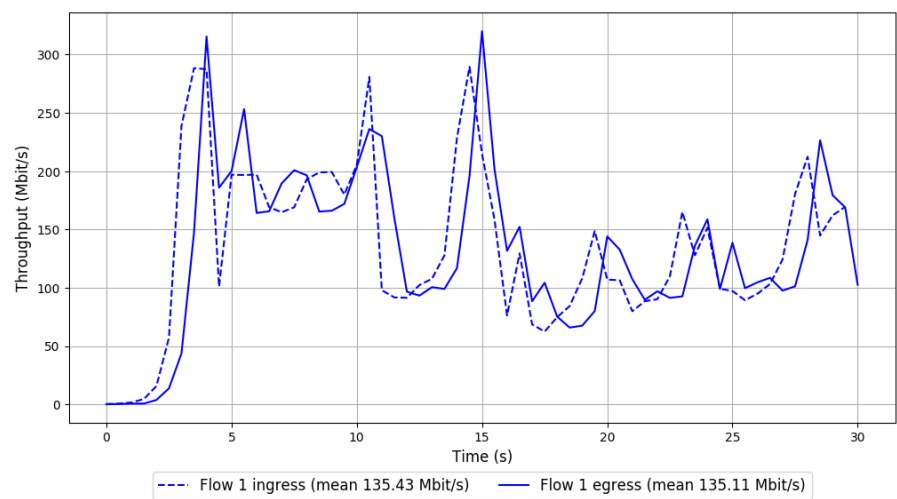


Run 8: Statistics of Copa

Start at: 2018-07-05 02:04:15
End at: 2018-07-05 02:04:45
Local clock offset: -0.042 ms
Remote clock offset: -0.519 ms

Below is generated by plot.py at 2018-07-05 03:13:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 135.11 Mbit/s
95th percentile per-packet one-way delay: 167.921 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 135.11 Mbit/s
95th percentile per-packet one-way delay: 167.921 ms
Loss rate: 1.14%

Run 8: Report of Copa — Data Link

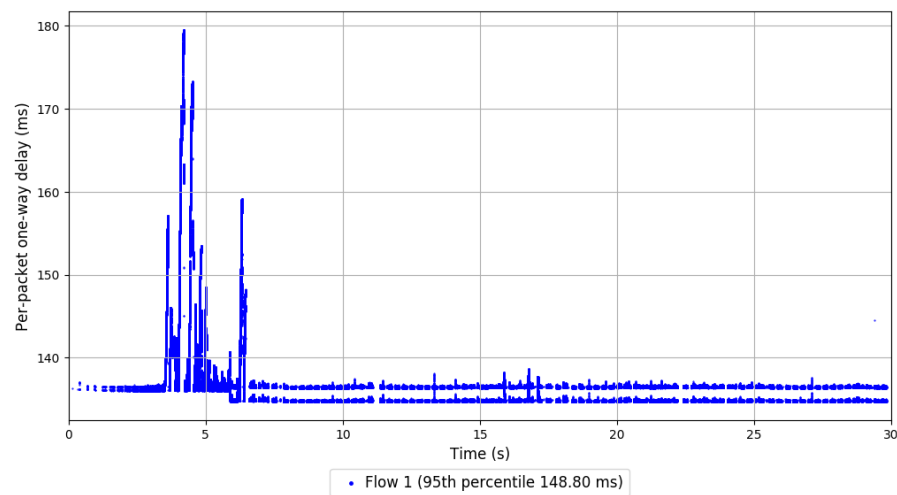
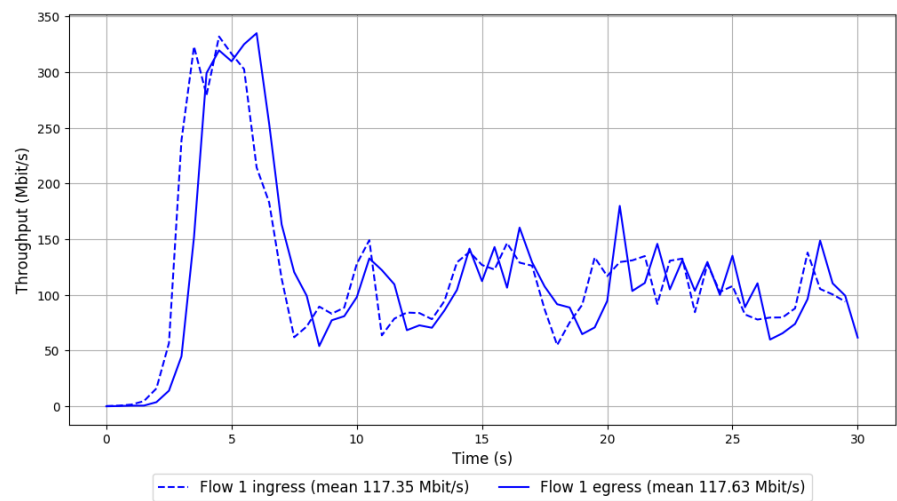


Run 9: Statistics of Copa

Start at: 2018-07-05 02:26:54
End at: 2018-07-05 02:27:24
Local clock offset: 0.138 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-07-05 03:13:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 117.63 Mbit/s
95th percentile per-packet one-way delay: 148.802 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 117.63 Mbit/s
95th percentile per-packet one-way delay: 148.802 ms
Loss rate: 0.67%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-05 02:49:24

End at: 2018-07-05 02:49:54

Local clock offset: -0.062 ms

Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-07-05 03:15:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.05 Mbit/s

95th percentile per-packet one-way delay: 167.216 ms

Loss rate: 1.29%

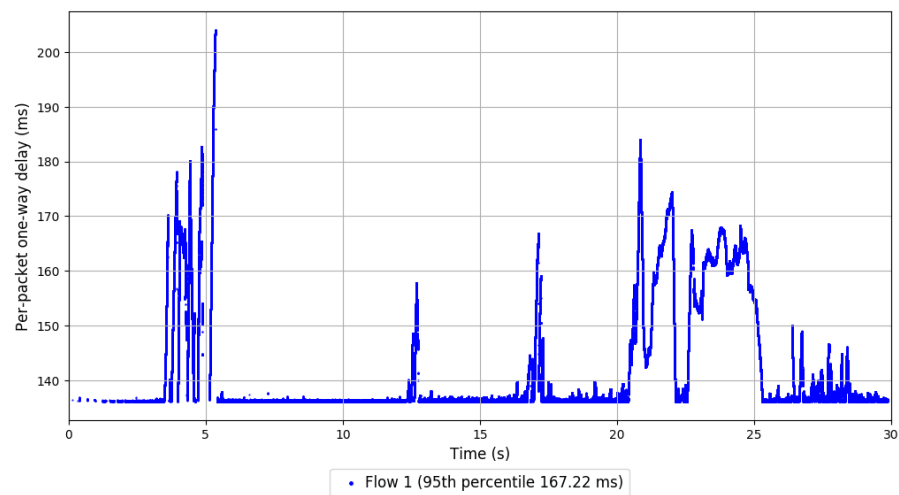
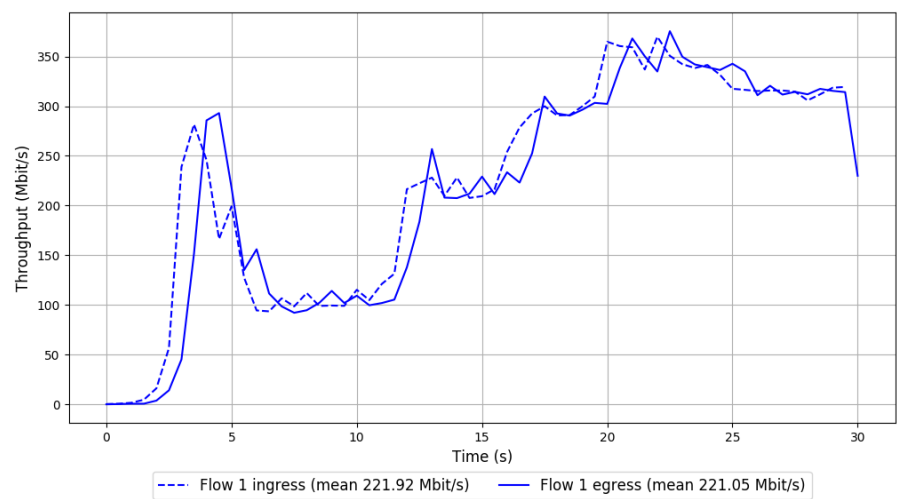
-- Flow 1:

Average throughput: 221.05 Mbit/s

95th percentile per-packet one-way delay: 167.216 ms

Loss rate: 1.29%

Run 10: Report of Copa — Data Link

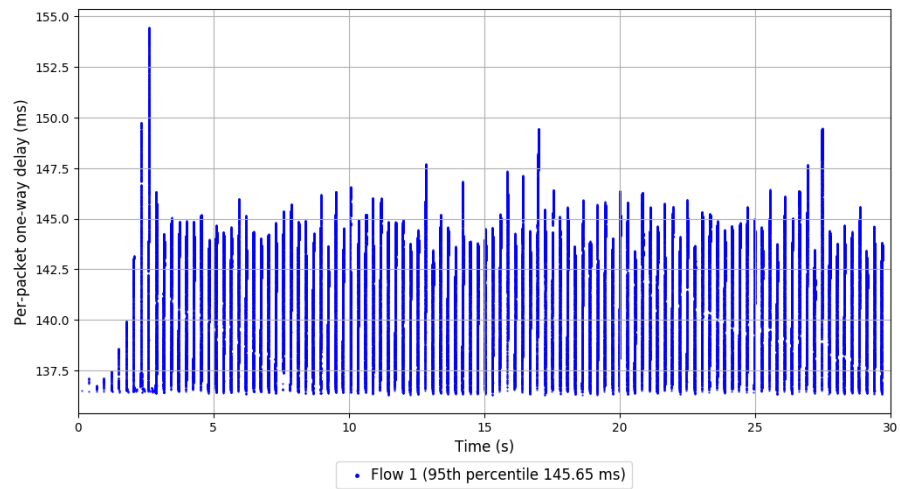
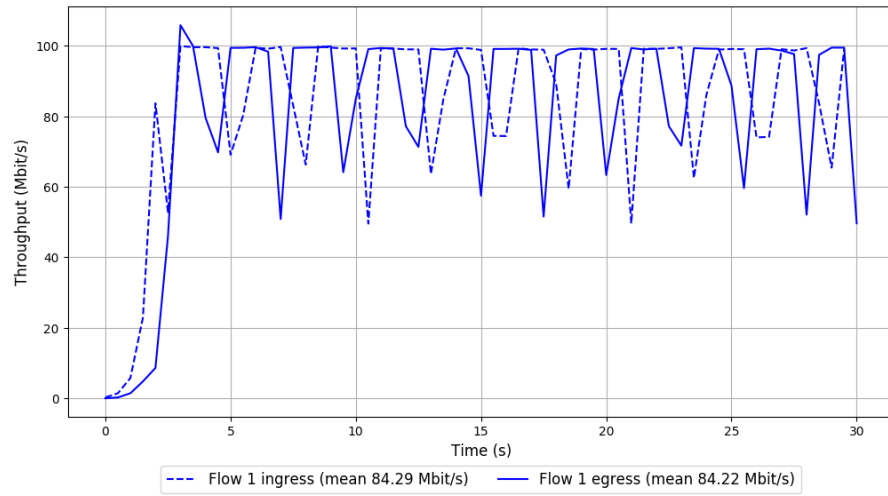


Run 1: Statistics of TCP Cubic

Start at: 2018-07-04 23:12:09
End at: 2018-07-04 23:12:39
Local clock offset: 0.097 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-07-05 03:15:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.22 Mbit/s
95th percentile per-packet one-way delay: 145.654 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 84.22 Mbit/s
95th percentile per-packet one-way delay: 145.654 ms
Loss rate: 0.98%

Run 1: Report of TCP Cubic — Data Link

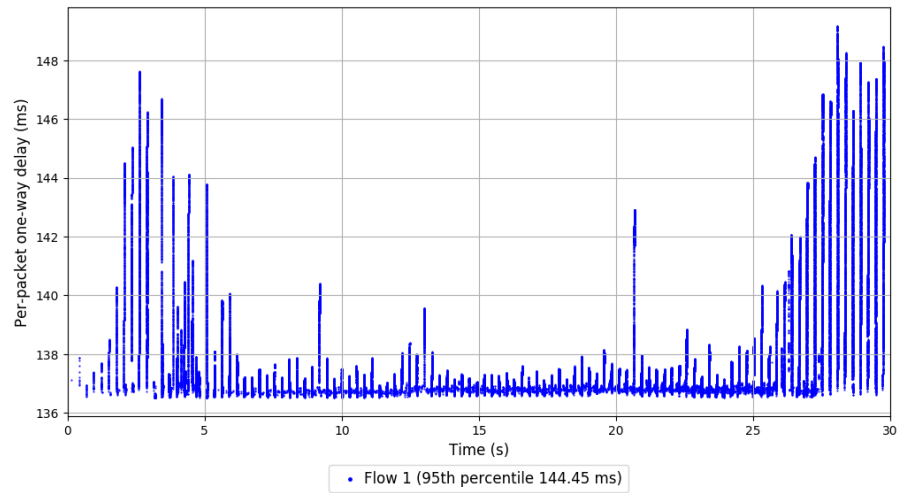
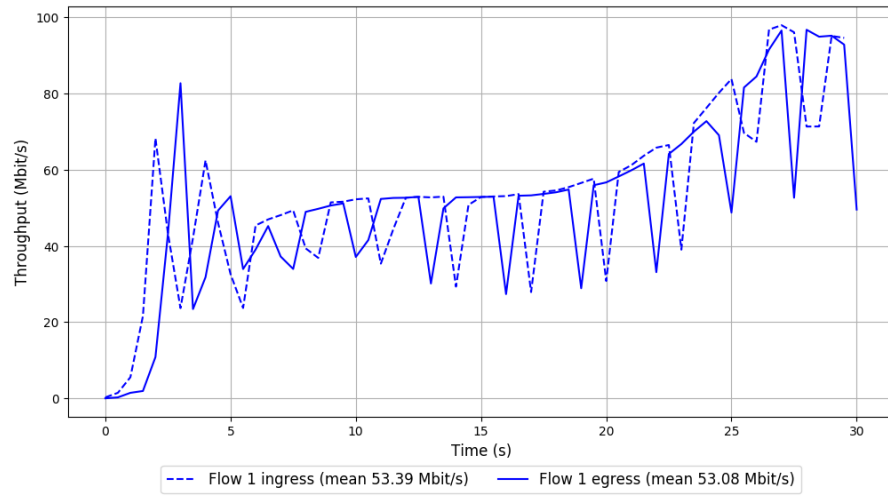


Run 2: Statistics of TCP Cubic

Start at: 2018-07-04 23:34:37
End at: 2018-07-04 23:35:08
Local clock offset: -0.053 ms
Remote clock offset: -0.539 ms

Below is generated by plot.py at 2018-07-05 03:15:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 53.08 Mbit/s
95th percentile per-packet one-way delay: 144.454 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 53.08 Mbit/s
95th percentile per-packet one-way delay: 144.454 ms
Loss rate: 1.48%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-04 23:57:41

End at: 2018-07-04 23:58:11

Local clock offset: 0.018 ms

Remote clock offset: 0.167 ms

Below is generated by plot.py at 2018-07-05 03:15:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.79 Mbit/s

95th percentile per-packet one-way delay: 145.552 ms

Loss rate: 0.99%

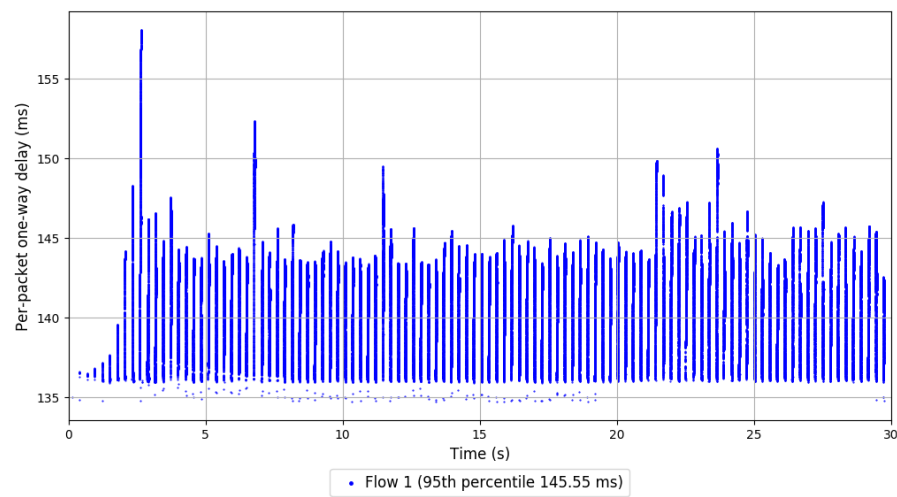
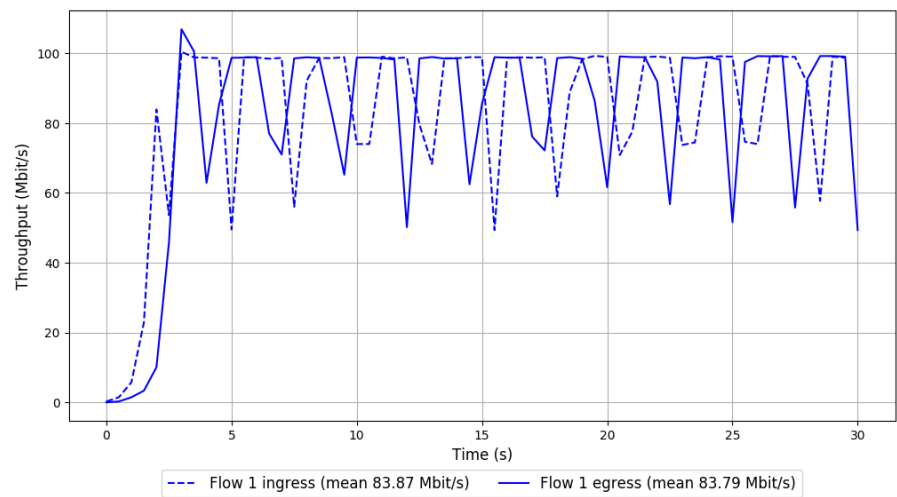
-- Flow 1:

Average throughput: 83.79 Mbit/s

95th percentile per-packet one-way delay: 145.552 ms

Loss rate: 0.99%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-05 00:20:11

End at: 2018-07-05 00:20:41

Local clock offset: 0.147 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-07-05 03:15:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.69 Mbit/s

95th percentile per-packet one-way delay: 146.030 ms

Loss rate: 1.35%

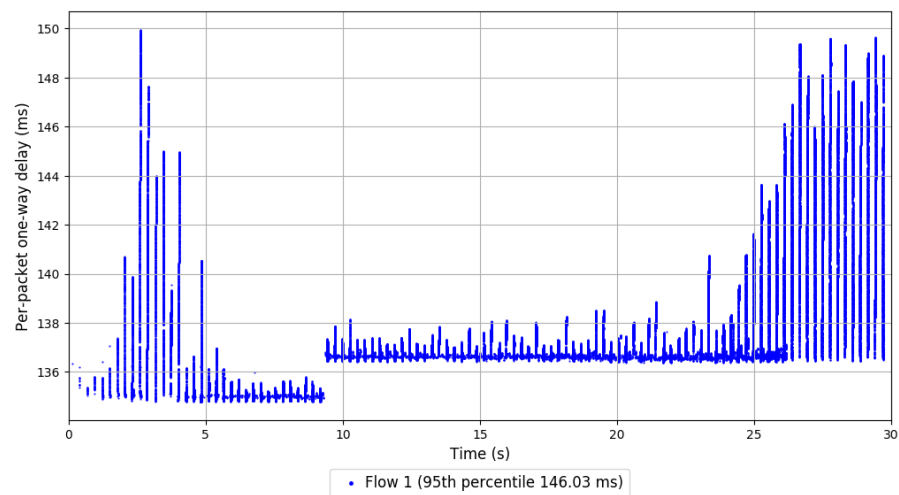
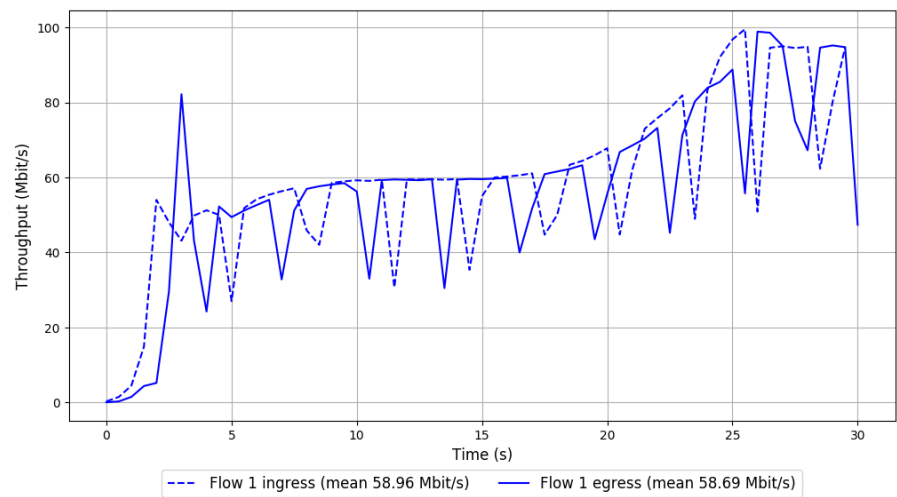
-- Flow 1:

Average throughput: 58.69 Mbit/s

95th percentile per-packet one-way delay: 146.030 ms

Loss rate: 1.35%

Run 4: Report of TCP Cubic — Data Link

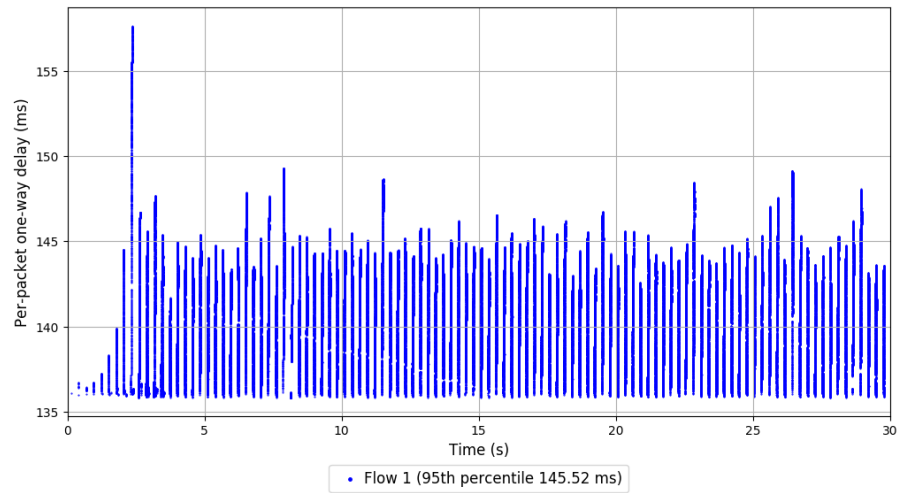
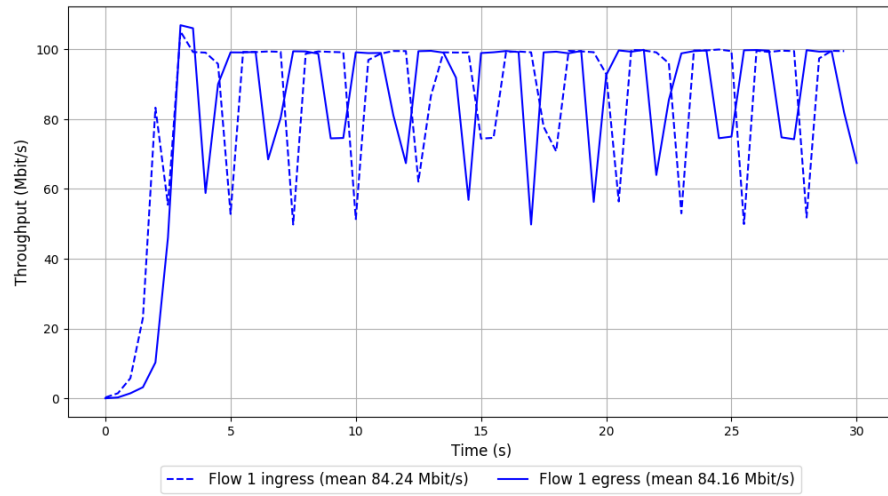


Run 5: Statistics of TCP Cubic

Start at: 2018-07-05 00:43:16
End at: 2018-07-05 00:43:46
Local clock offset: -0.078 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-05 03:15:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.16 Mbit/s
95th percentile per-packet one-way delay: 145.517 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 84.16 Mbit/s
95th percentile per-packet one-way delay: 145.517 ms
Loss rate: 0.99%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-05 01:06:10

End at: 2018-07-05 01:06:40

Local clock offset: -0.28 ms

Remote clock offset: 0.327 ms

Below is generated by plot.py at 2018-07-05 03:15:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.73 Mbit/s

95th percentile per-packet one-way delay: 145.054 ms

Loss rate: 1.00%

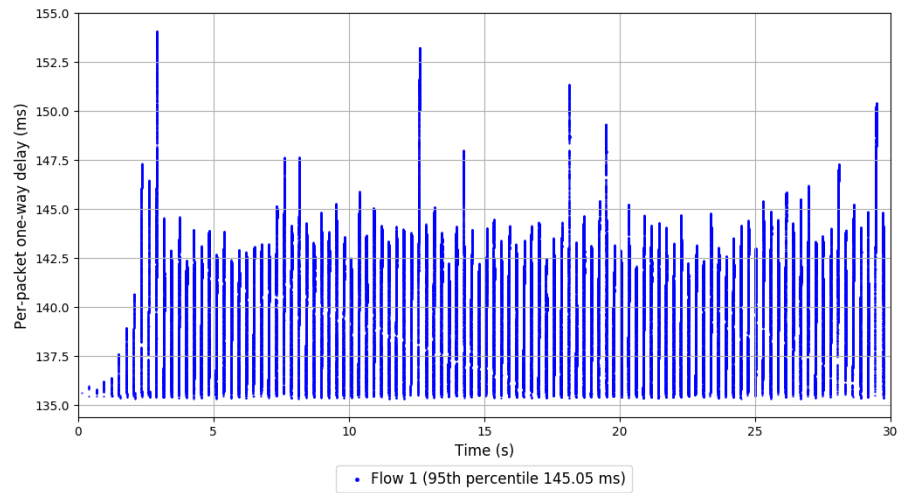
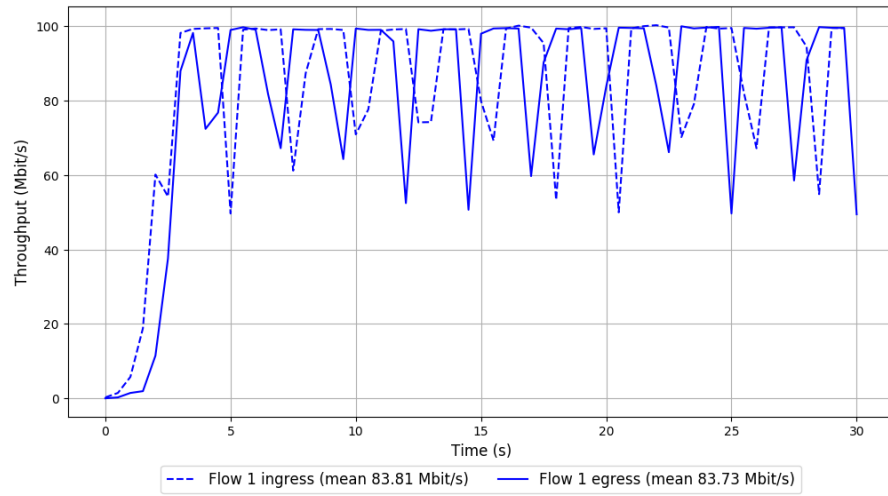
-- Flow 1:

Average throughput: 83.73 Mbit/s

95th percentile per-packet one-way delay: 145.054 ms

Loss rate: 1.00%

Run 6: Report of TCP Cubic — Data Link

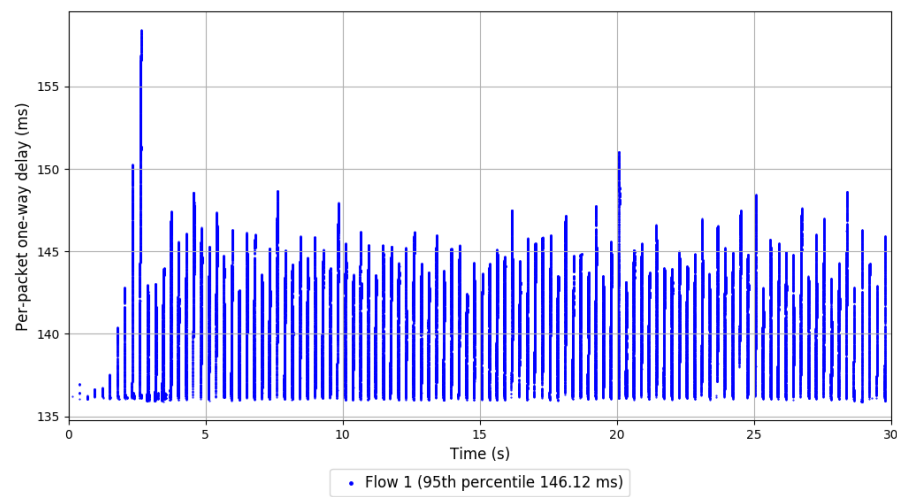
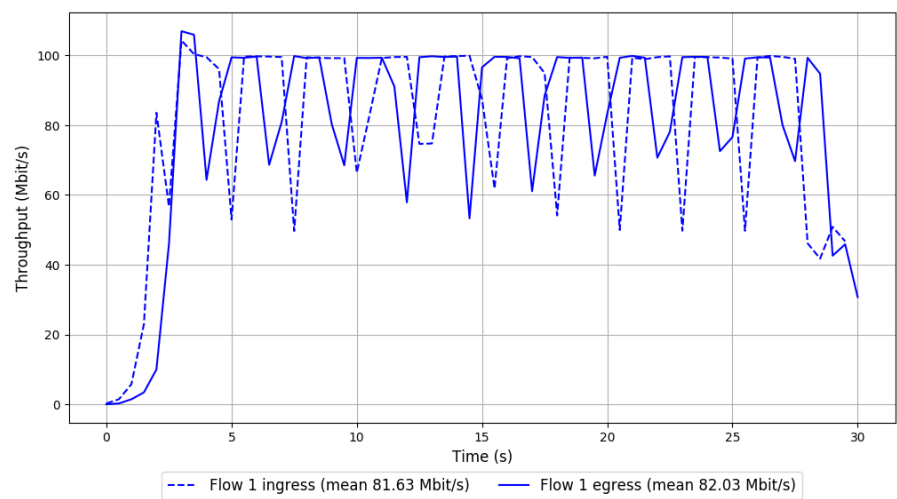


Run 7: Statistics of TCP Cubic

Start at: 2018-07-05 01:29:02
End at: 2018-07-05 01:29:32
Local clock offset: -0.009 ms
Remote clock offset: 0.201 ms

Below is generated by plot.py at 2018-07-05 03:15:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.03 Mbit/s
95th percentile per-packet one-way delay: 146.120 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 82.03 Mbit/s
95th percentile per-packet one-way delay: 146.120 ms
Loss rate: 0.43%

Run 7: Report of TCP Cubic — Data Link

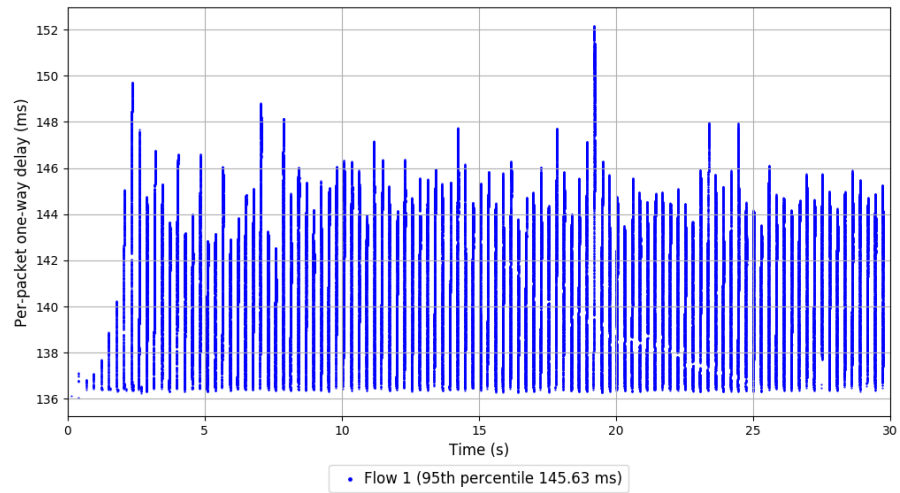
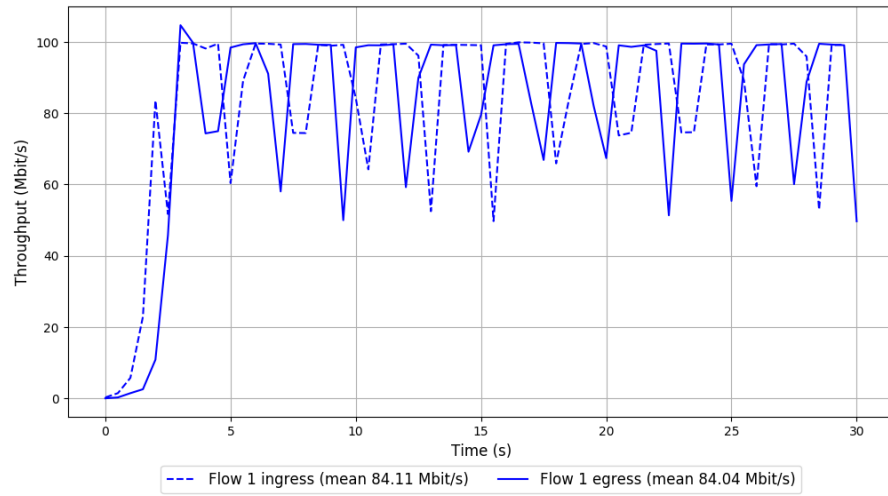


Run 8: Statistics of TCP Cubic

Start at: 2018-07-05 01:52:14
End at: 2018-07-05 01:52:45
Local clock offset: -0.042 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-07-05 03:15:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.04 Mbit/s
95th percentile per-packet one-way delay: 145.631 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 84.04 Mbit/s
95th percentile per-packet one-way delay: 145.631 ms
Loss rate: 0.99%

Run 8: Report of TCP Cubic — Data Link

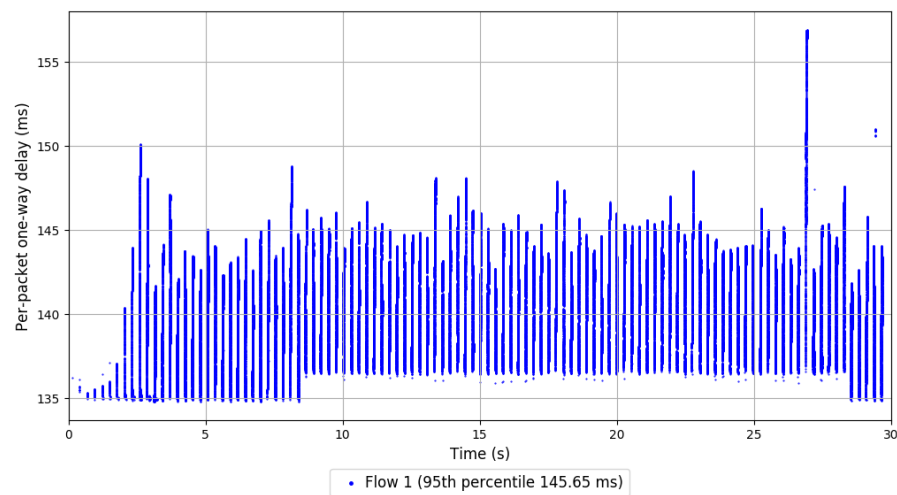
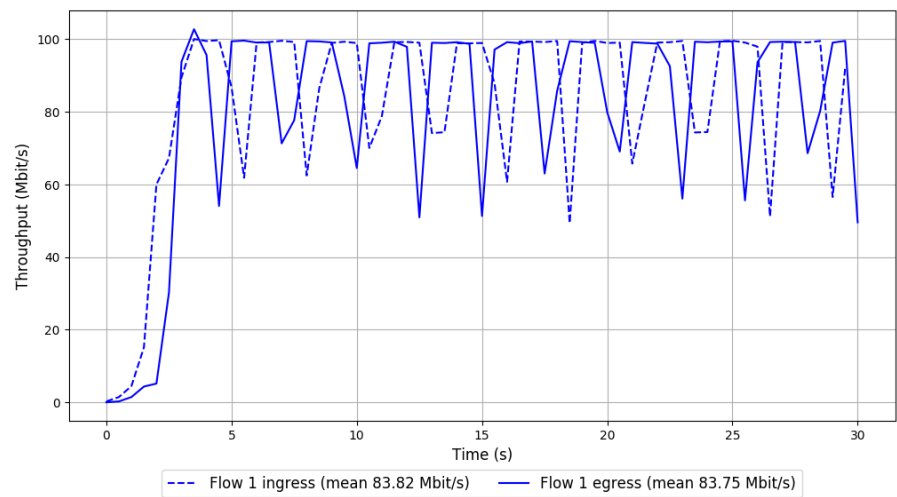


Run 9: Statistics of TCP Cubic

Start at: 2018-07-05 02:14:52
End at: 2018-07-05 02:15:22
Local clock offset: 0.074 ms
Remote clock offset: -0.145 ms

Below is generated by plot.py at 2018-07-05 03:15:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.75 Mbit/s
95th percentile per-packet one-way delay: 145.649 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 83.75 Mbit/s
95th percentile per-packet one-way delay: 145.649 ms
Loss rate: 0.99%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-05 02:37:26

End at: 2018-07-05 02:37:56

Local clock offset: 0.013 ms

Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-07-05 03:15:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.59 Mbit/s

95th percentile per-packet one-way delay: 146.355 ms

Loss rate: 0.99%

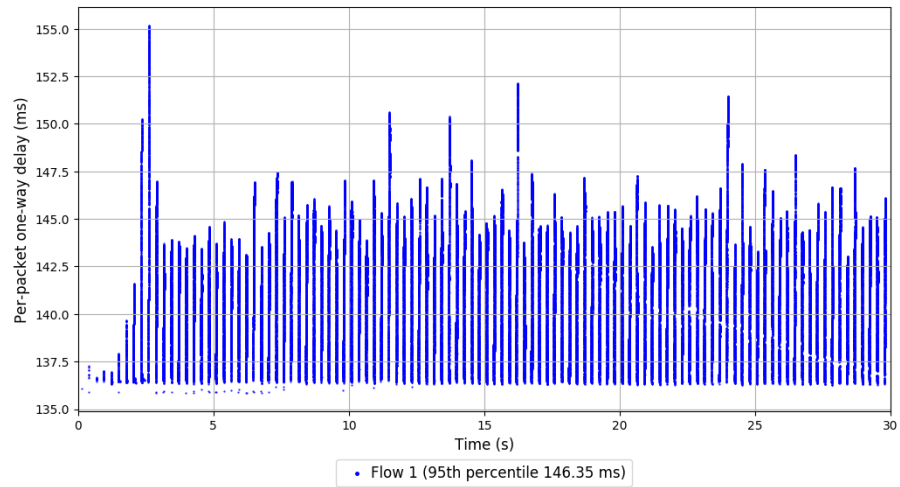
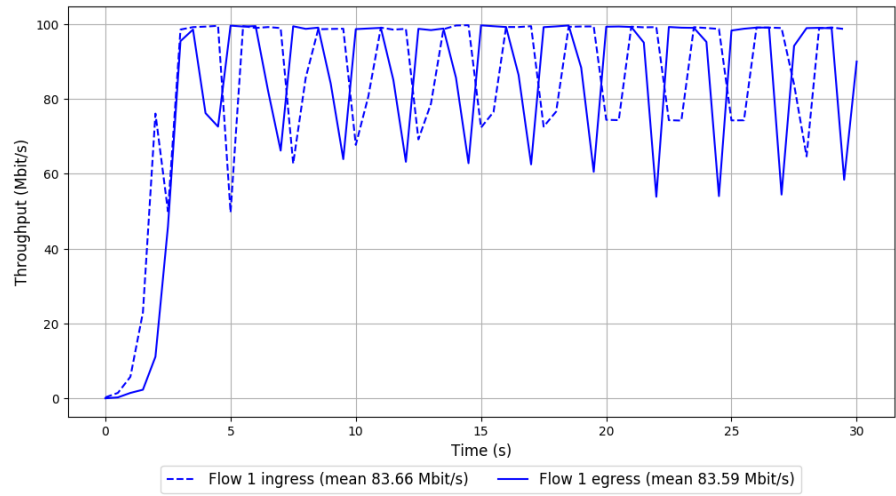
-- Flow 1:

Average throughput: 83.59 Mbit/s

95th percentile per-packet one-way delay: 146.355 ms

Loss rate: 0.99%

Run 10: Report of TCP Cubic — Data Link

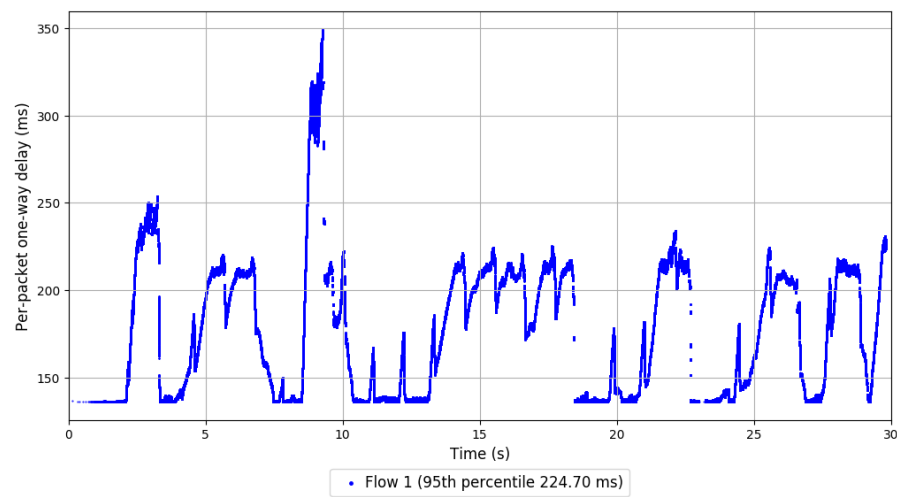
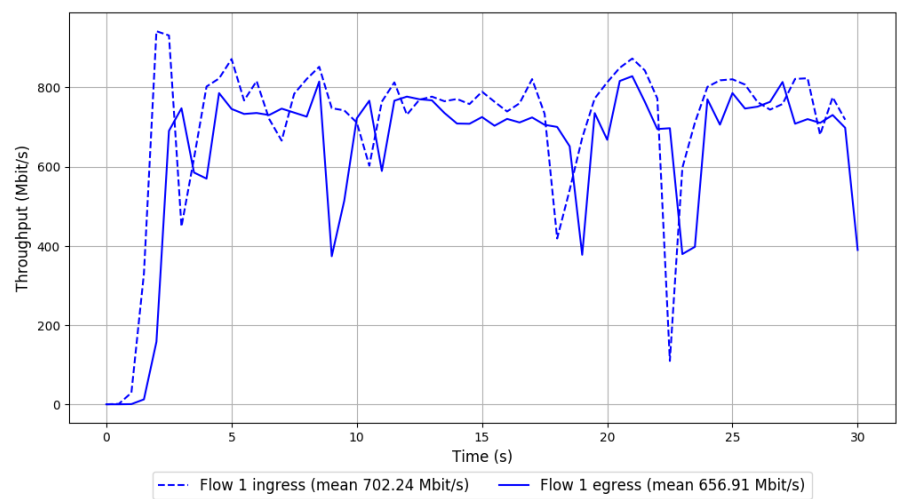


Run 1: Statistics of FillP

Start at: 2018-07-04 23:26:42
End at: 2018-07-04 23:27:12
Local clock offset: -0.022 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-07-05 03:25:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 656.91 Mbit/s
95th percentile per-packet one-way delay: 224.701 ms
Loss rate: 7.31%
-- Flow 1:
Average throughput: 656.91 Mbit/s
95th percentile per-packet one-way delay: 224.701 ms
Loss rate: 7.31%

Run 1: Report of FillP — Data Link

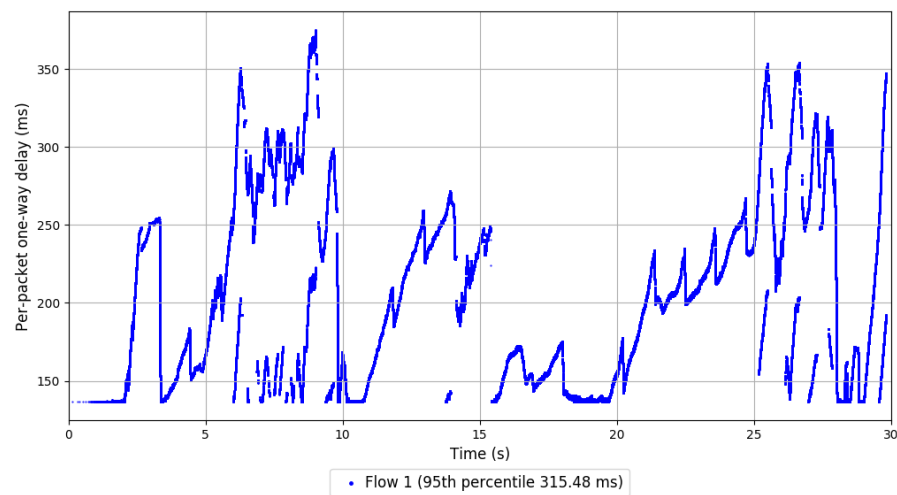
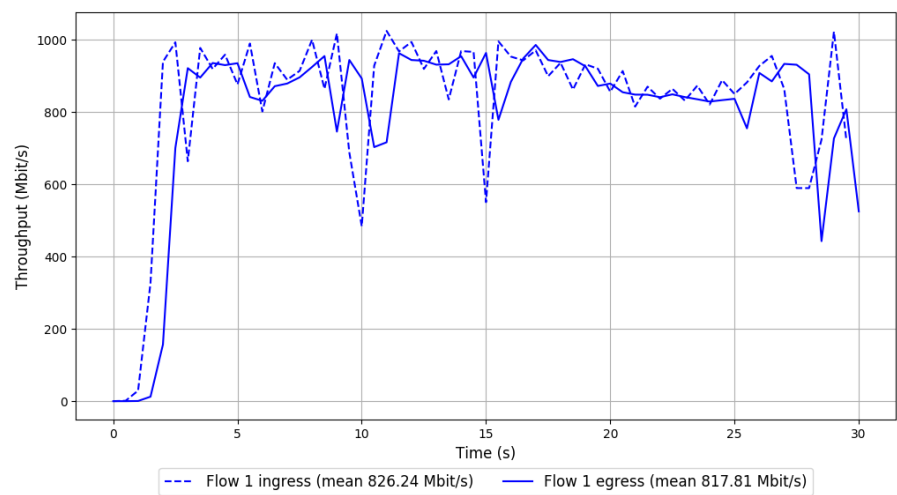


Run 2: Statistics of FillP

Start at: 2018-07-04 23:49:35
End at: 2018-07-04 23:50:05
Local clock offset: 0.01 ms
Remote clock offset: -0.471 ms

Below is generated by plot.py at 2018-07-05 03:29:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 817.81 Mbit/s
95th percentile per-packet one-way delay: 315.479 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 817.81 Mbit/s
95th percentile per-packet one-way delay: 315.479 ms
Loss rate: 1.92%

Run 2: Report of FillP — Data Link

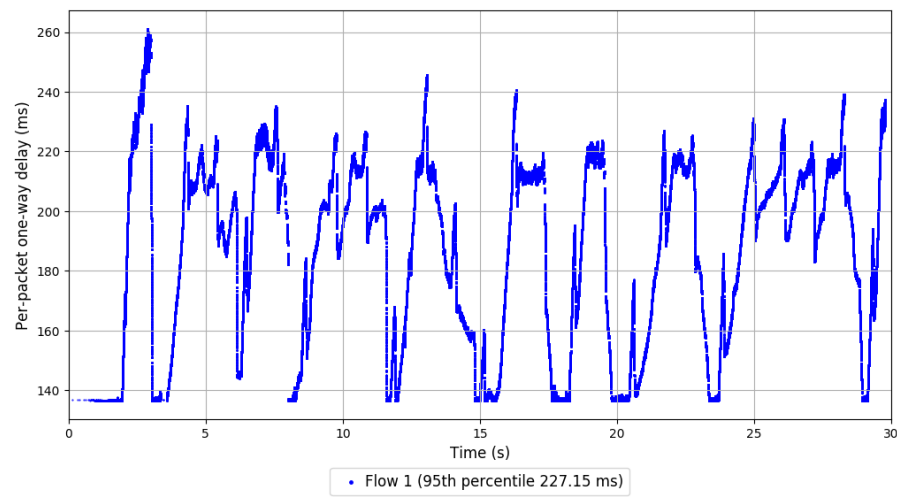
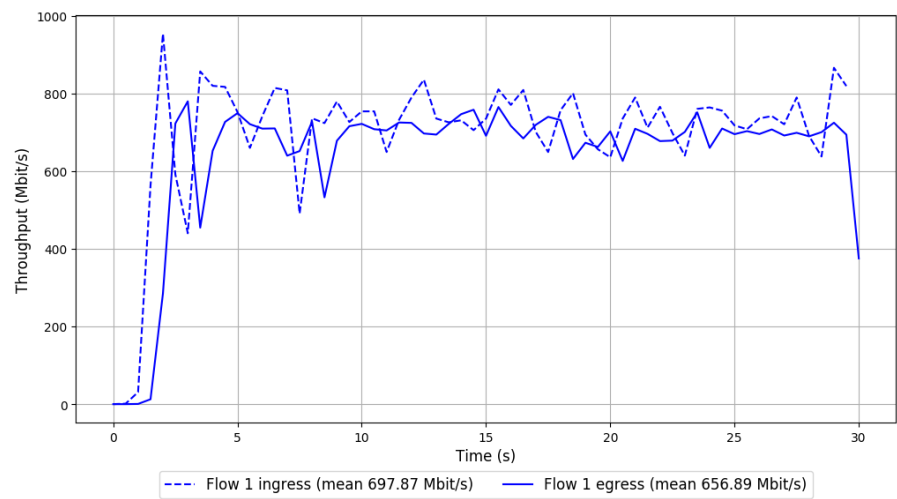


Run 3: Statistics of FillP

Start at: 2018-07-05 00:12:07
End at: 2018-07-05 00:12:37
Local clock offset: -0.081 ms
Remote clock offset: -0.478 ms

Below is generated by plot.py at 2018-07-05 03:29:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 656.89 Mbit/s
95th percentile per-packet one-way delay: 227.148 ms
Loss rate: 6.73%
-- Flow 1:
Average throughput: 656.89 Mbit/s
95th percentile per-packet one-way delay: 227.148 ms
Loss rate: 6.73%

Run 3: Report of FillP — Data Link

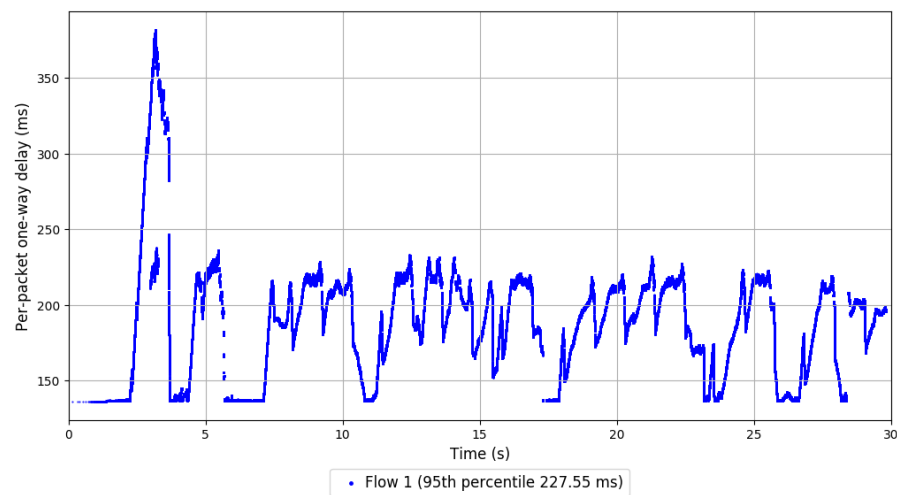
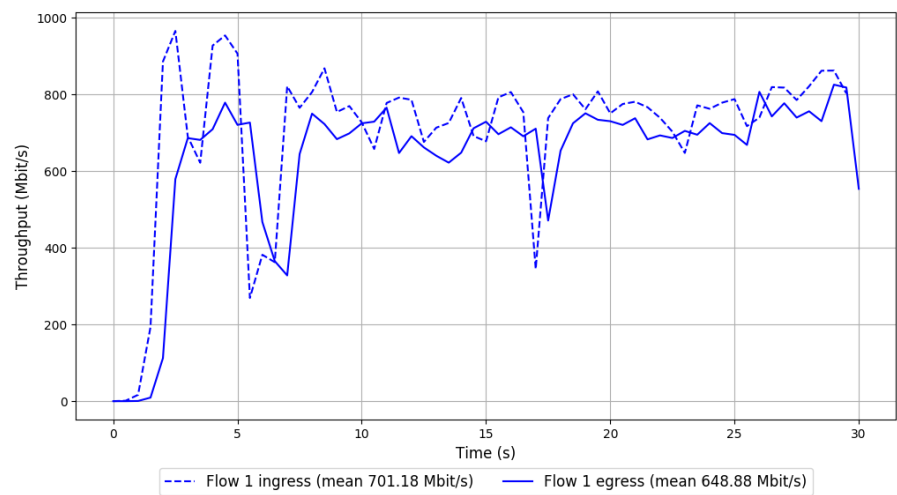


Run 4: Statistics of FillP

Start at: 2018-07-05 00:35:09
End at: 2018-07-05 00:35:39
Local clock offset: -0.219 ms
Remote clock offset: -0.476 ms

Below is generated by plot.py at 2018-07-05 03:29:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 648.88 Mbit/s
95th percentile per-packet one-way delay: 227.549 ms
Loss rate: 8.30%
-- Flow 1:
Average throughput: 648.88 Mbit/s
95th percentile per-packet one-way delay: 227.549 ms
Loss rate: 8.30%

Run 4: Report of FillP — Data Link

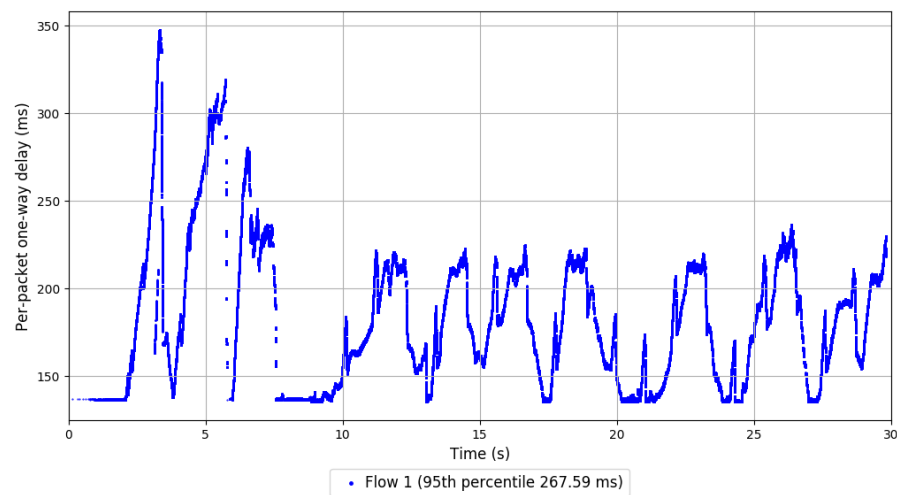
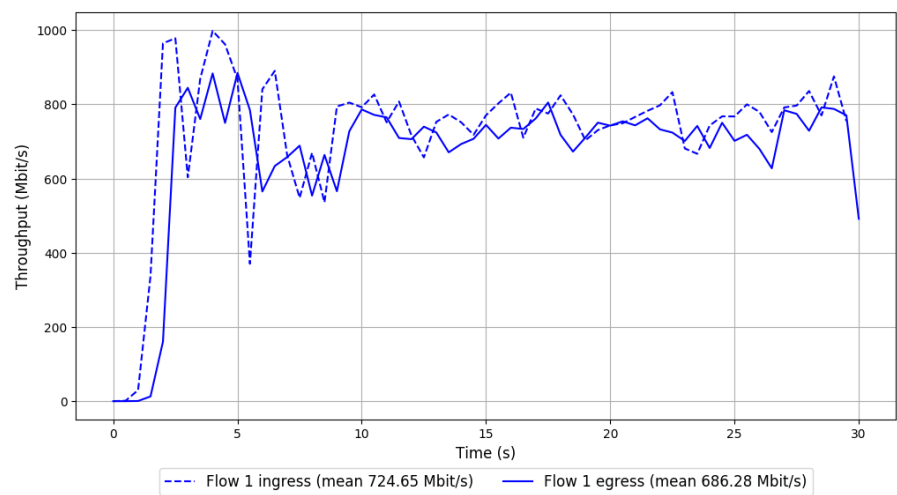


Run 5: Statistics of FillP

Start at: 2018-07-05 00:58:11
End at: 2018-07-05 00:58:41
Local clock offset: -0.109 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-05 03:29:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 686.28 Mbit/s
95th percentile per-packet one-way delay: 267.590 ms
Loss rate: 6.16%
-- Flow 1:
Average throughput: 686.28 Mbit/s
95th percentile per-packet one-way delay: 267.590 ms
Loss rate: 6.16%

Run 5: Report of FillP — Data Link

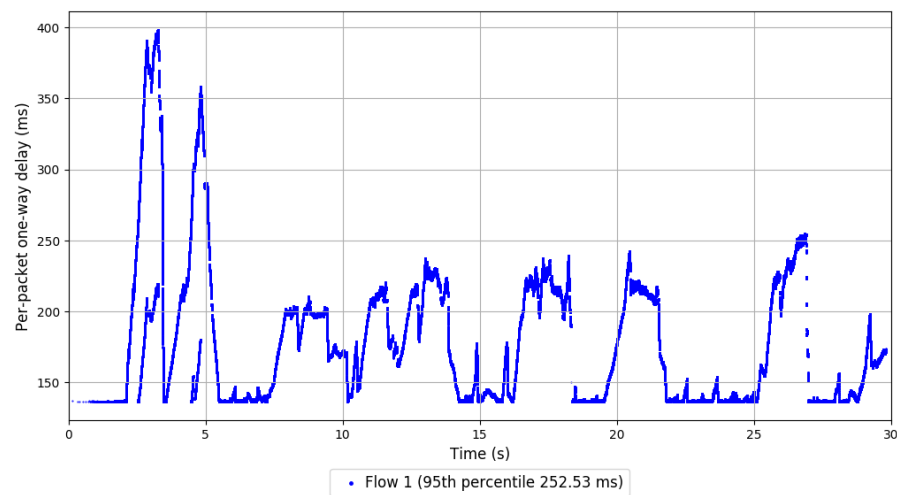
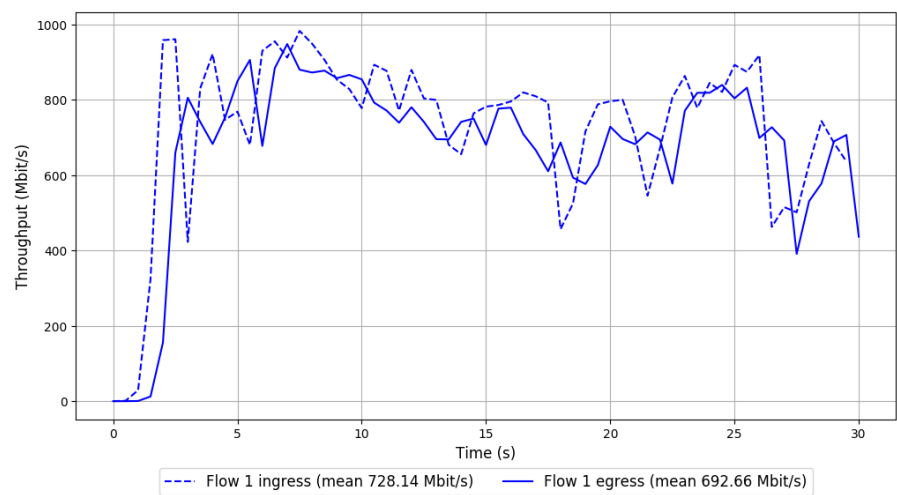


Run 6: Statistics of FillP

Start at: 2018-07-05 01:21:01
End at: 2018-07-05 01:21:31
Local clock offset: -0.046 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-05 03:29:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 692.66 Mbit/s
95th percentile per-packet one-way delay: 252.531 ms
Loss rate: 5.74%
-- Flow 1:
Average throughput: 692.66 Mbit/s
95th percentile per-packet one-way delay: 252.531 ms
Loss rate: 5.74%

Run 6: Report of FillP — Data Link

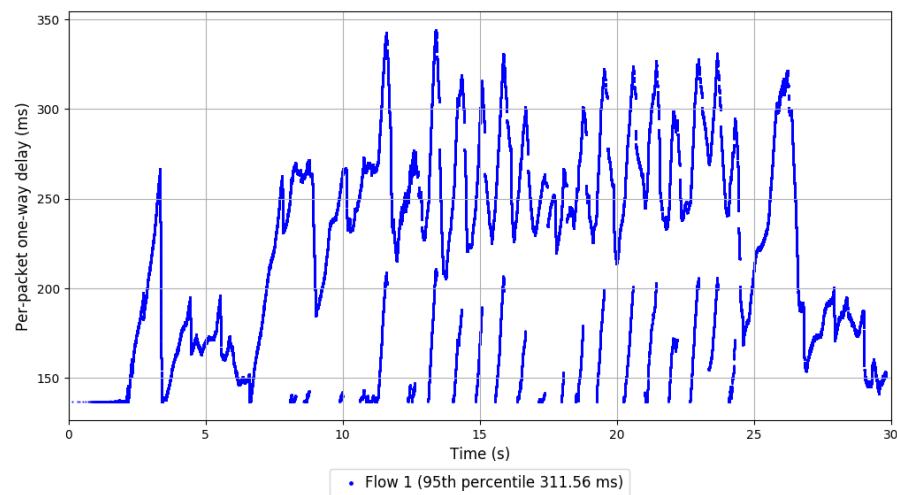
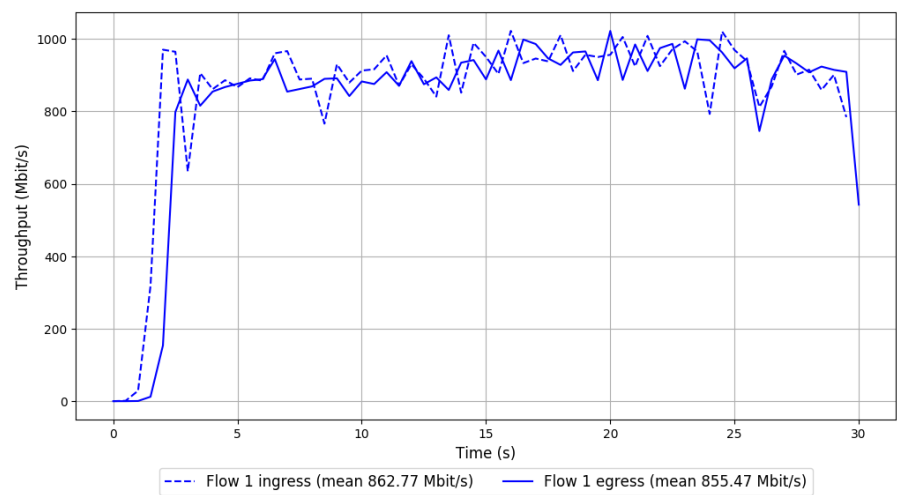


Run 7: Statistics of FillP

Start at: 2018-07-05 01:44:06
End at: 2018-07-05 01:44:36
Local clock offset: 0.131 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-07-05 03:31:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 855.47 Mbit/s
95th percentile per-packet one-way delay: 311.559 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 855.47 Mbit/s
95th percentile per-packet one-way delay: 311.559 ms
Loss rate: 1.75%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-05 02:06:45

End at: 2018-07-05 02:07:15

Local clock offset: -0.025 ms

Remote clock offset: 0.203 ms

Below is generated by plot.py at 2018-07-05 03:31:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 759.92 Mbit/s

95th percentile per-packet one-way delay: 332.958 ms

Loss rate: 5.58%

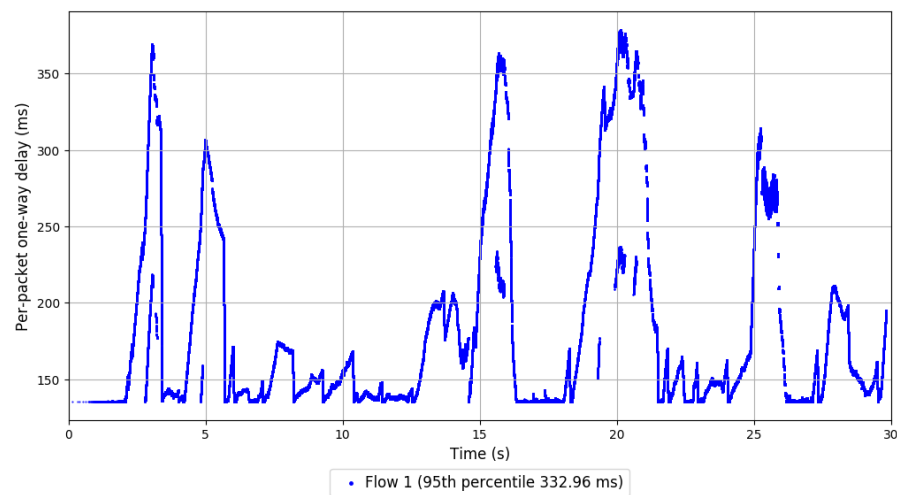
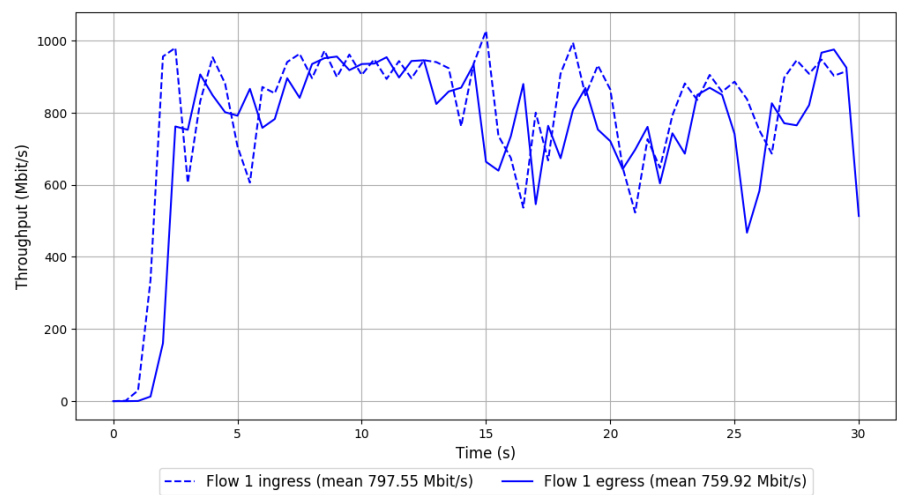
-- Flow 1:

Average throughput: 759.92 Mbit/s

95th percentile per-packet one-way delay: 332.958 ms

Loss rate: 5.58%

Run 8: Report of FillP — Data Link

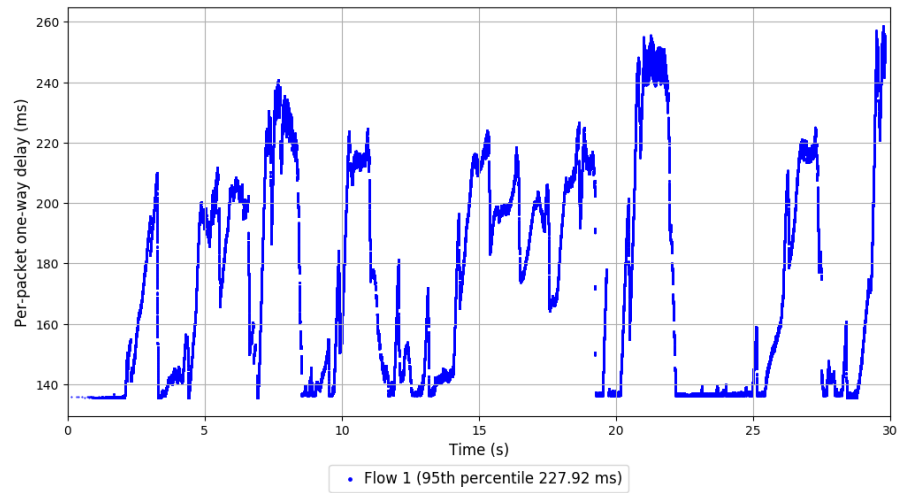
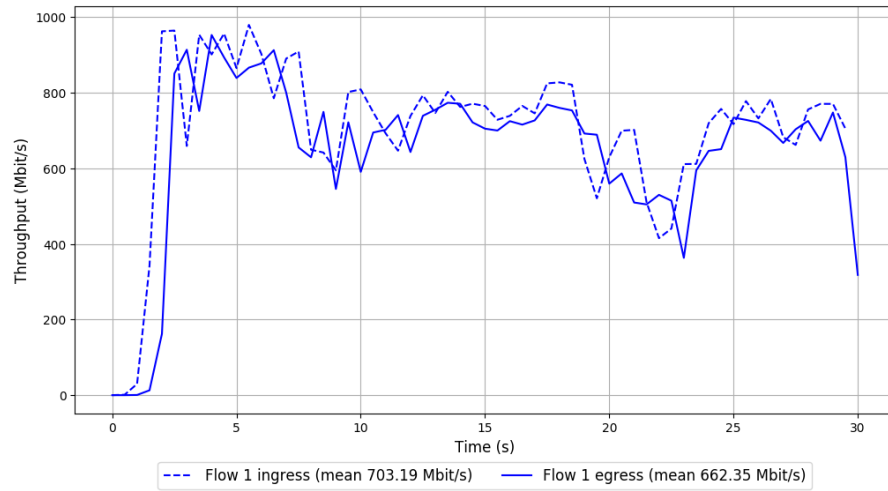


Run 9: Statistics of FillP

Start at: 2018-07-05 02:29:22
End at: 2018-07-05 02:29:52
Local clock offset: -0.108 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-05 03:40:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 662.35 Mbit/s
95th percentile per-packet one-way delay: 227.916 ms
Loss rate: 6.67%
-- Flow 1:
Average throughput: 662.35 Mbit/s
95th percentile per-packet one-way delay: 227.916 ms
Loss rate: 6.67%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-05 02:52:03

End at: 2018-07-05 02:52:33

Local clock offset: 0.073 ms

Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-07-05 03:40:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 682.77 Mbit/s

95th percentile per-packet one-way delay: 225.944 ms

Loss rate: 6.55%

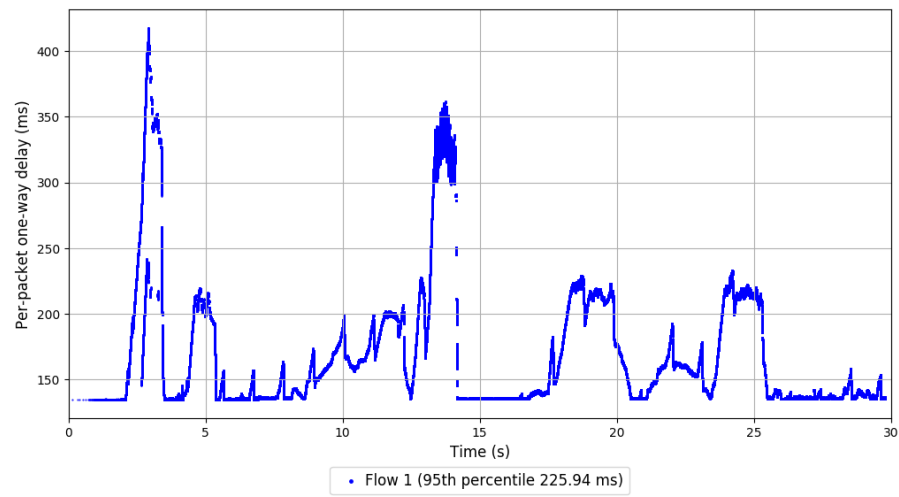
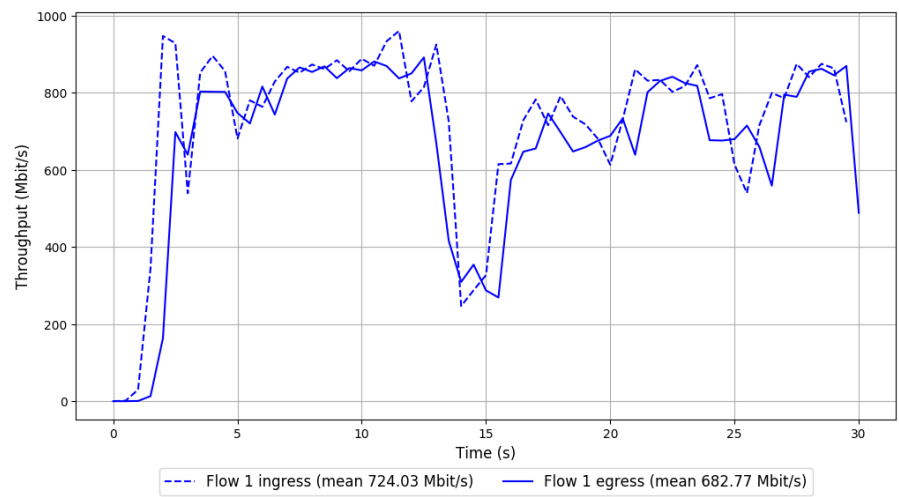
-- Flow 1:

Average throughput: 682.77 Mbit/s

95th percentile per-packet one-way delay: 225.944 ms

Loss rate: 6.55%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-04 23:18:45

End at: 2018-07-04 23:19:15

Local clock offset: -0.011 ms

Remote clock offset: 0.211 ms

Below is generated by plot.py at 2018-07-05 03:40:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 624.08 Mbit/s

95th percentile per-packet one-way delay: 227.328 ms

Loss rate: 10.33%

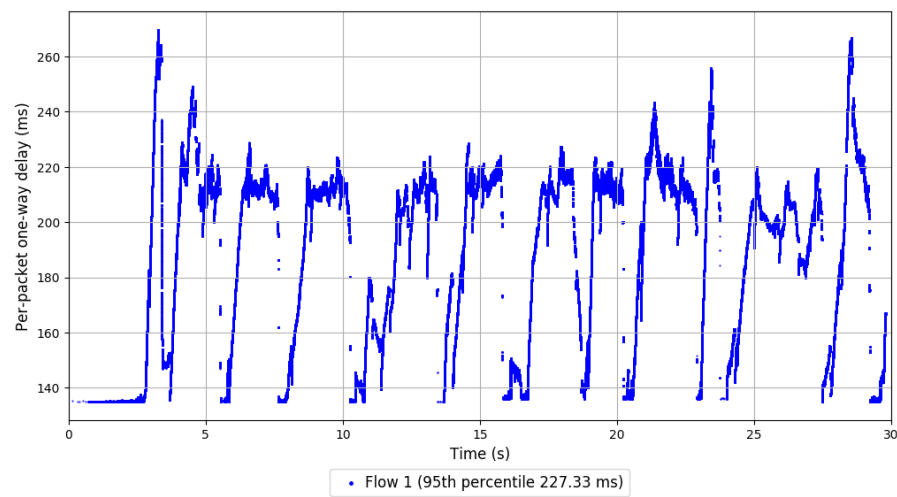
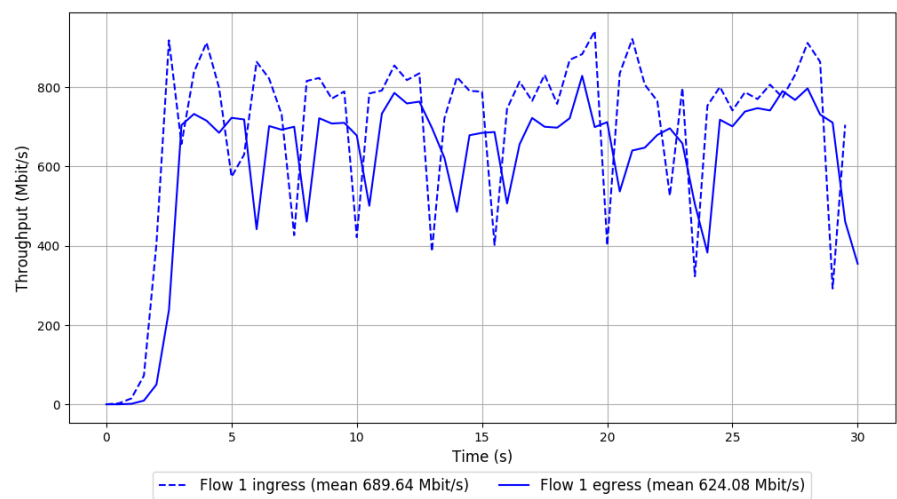
-- Flow 1:

Average throughput: 624.08 Mbit/s

95th percentile per-packet one-way delay: 227.328 ms

Loss rate: 10.33%

Run 1: Report of FillP-Sheep — Data Link

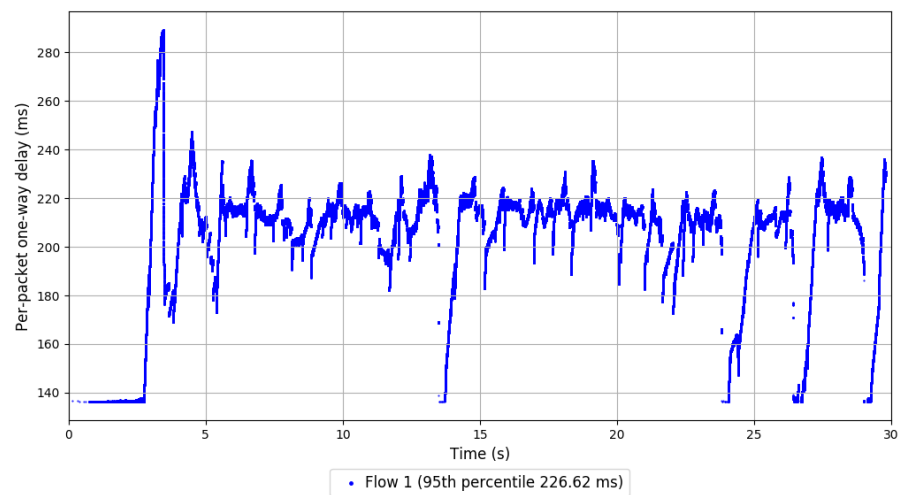
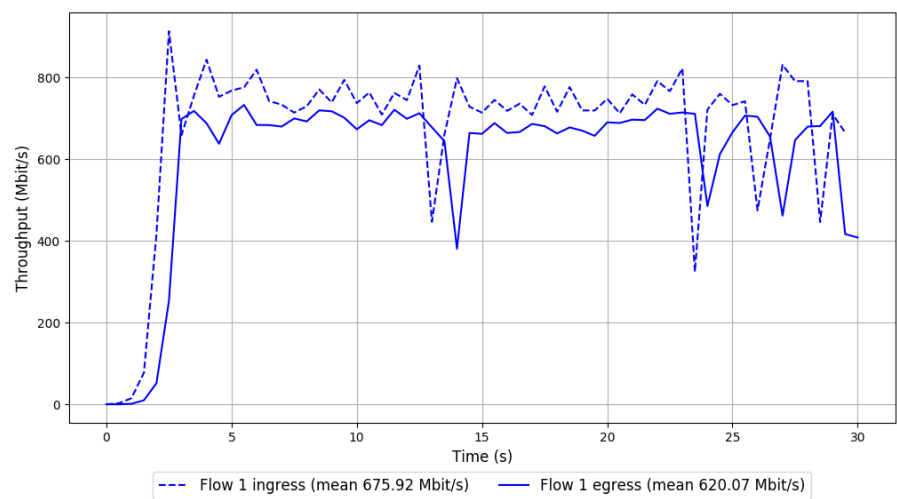


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-04 23:41:10
End at: 2018-07-04 23:41:40
Local clock offset: -0.032 ms
Remote clock offset: -0.176 ms

Below is generated by plot.py at 2018-07-05 03:40:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 620.07 Mbit/s
95th percentile per-packet one-way delay: 226.623 ms
Loss rate: 9.10%
-- Flow 1:
Average throughput: 620.07 Mbit/s
95th percentile per-packet one-way delay: 226.623 ms
Loss rate: 9.10%

Run 2: Report of FillP-Sheep — Data Link

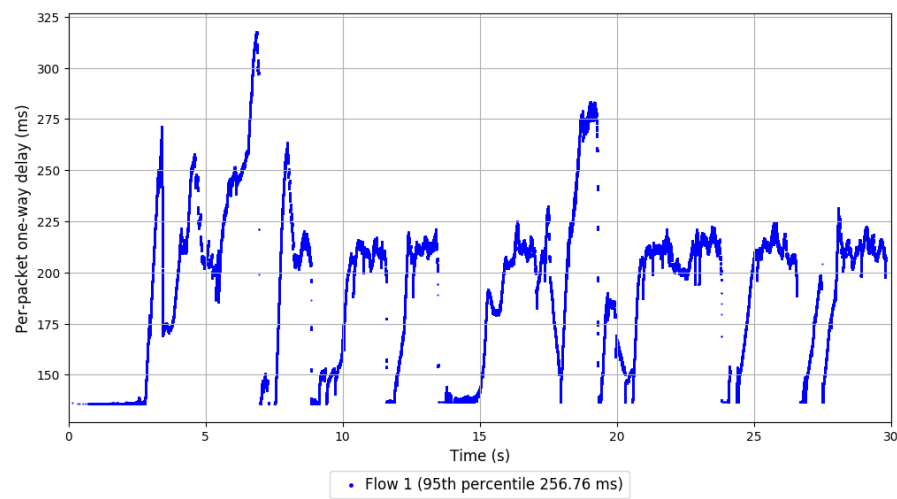
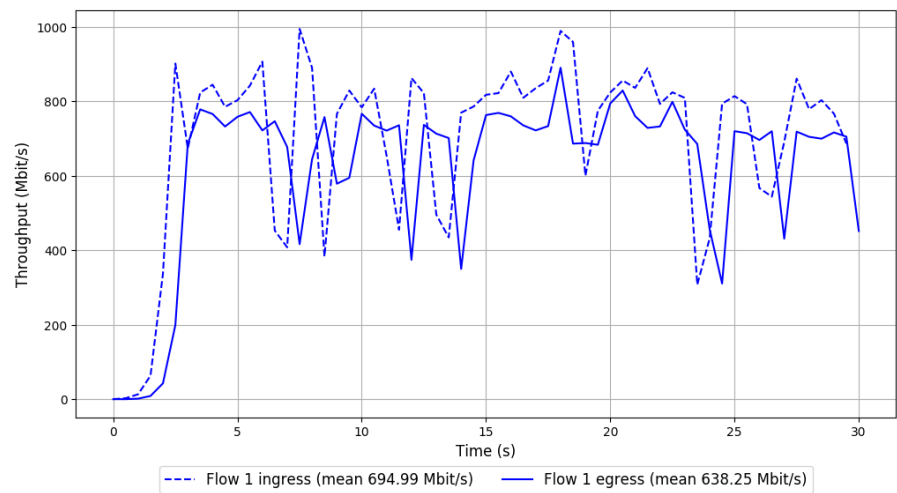


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-05 00:04:09
End at: 2018-07-05 00:04:39
Local clock offset: -0.079 ms
Remote clock offset: -0.487 ms

Below is generated by plot.py at 2018-07-05 03:41:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 638.25 Mbit/s
95th percentile per-packet one-way delay: 256.757 ms
Loss rate: 9.00%
-- Flow 1:
Average throughput: 638.25 Mbit/s
95th percentile per-packet one-way delay: 256.757 ms
Loss rate: 9.00%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-05 00:26:43

End at: 2018-07-05 00:27:13

Local clock offset: 0.021 ms

Remote clock offset: 0.262 ms

Below is generated by plot.py at 2018-07-05 03:41:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 514.74 Mbit/s

95th percentile per-packet one-way delay: 324.004 ms

Loss rate: 3.14%

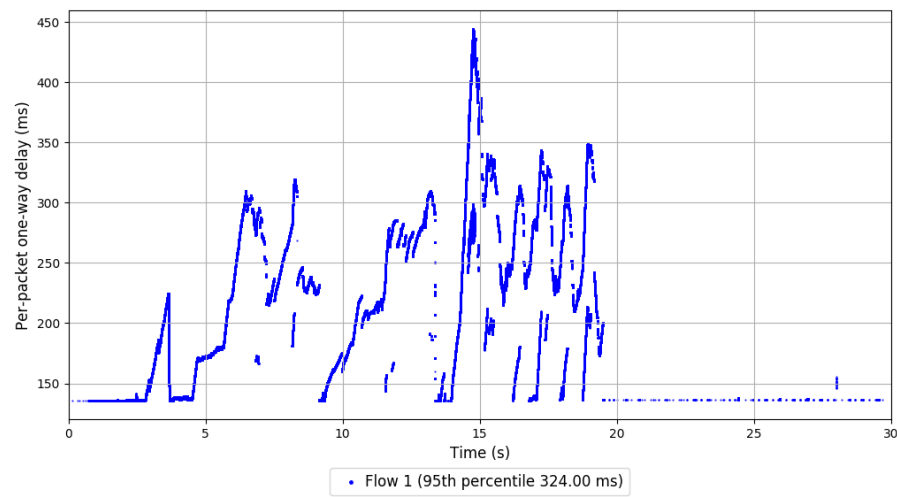
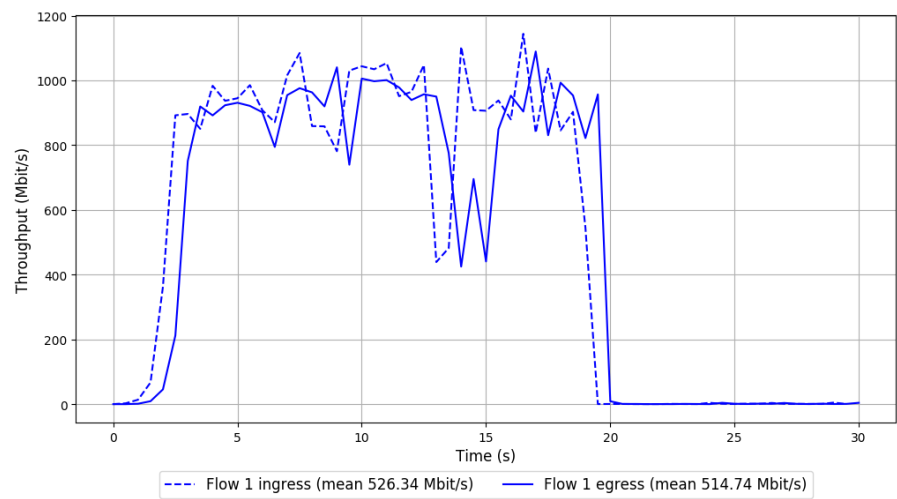
-- Flow 1:

Average throughput: 514.74 Mbit/s

95th percentile per-packet one-way delay: 324.004 ms

Loss rate: 3.14%

Run 4: Report of FillP-Sheep — Data Link

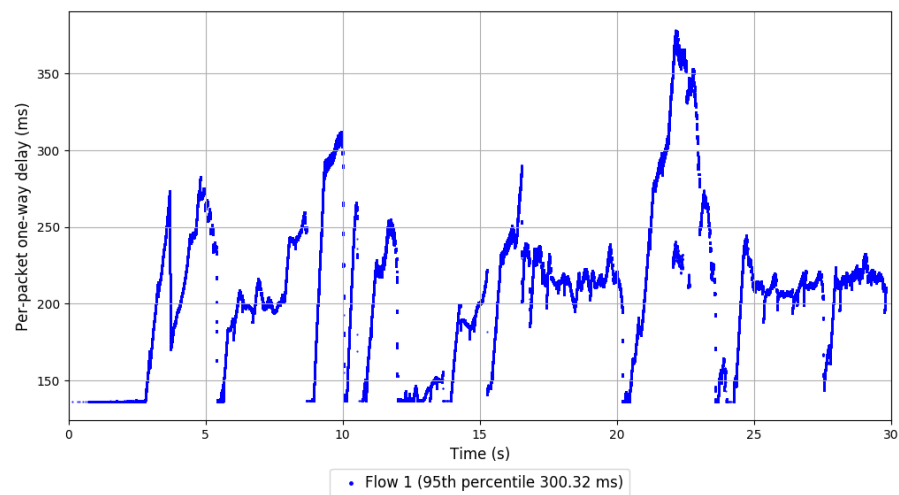
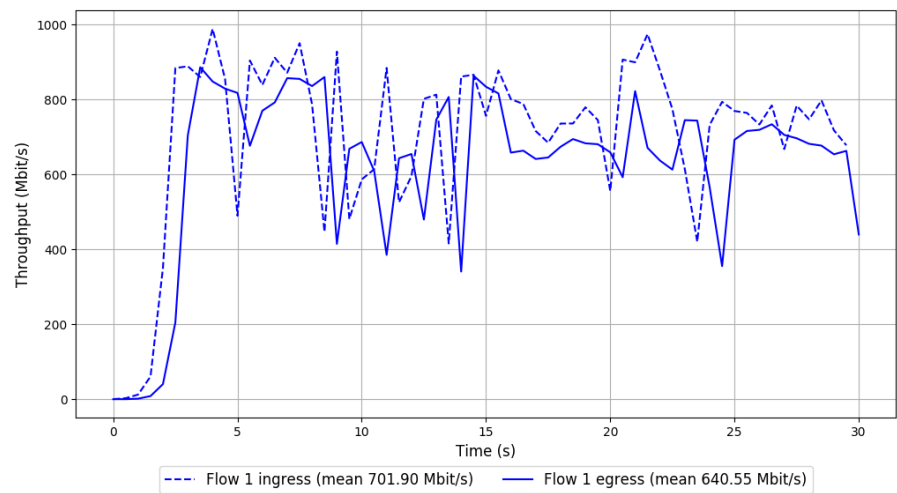


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-05 00:49:44
End at: 2018-07-05 00:50:14
Local clock offset: -0.041 ms
Remote clock offset: -0.415 ms

Below is generated by plot.py at 2018-07-05 03:46:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 640.55 Mbit/s
95th percentile per-packet one-way delay: 300.319 ms
Loss rate: 9.57%
-- Flow 1:
Average throughput: 640.55 Mbit/s
95th percentile per-packet one-way delay: 300.319 ms
Loss rate: 9.57%

Run 5: Report of FillP-Sheep — Data Link

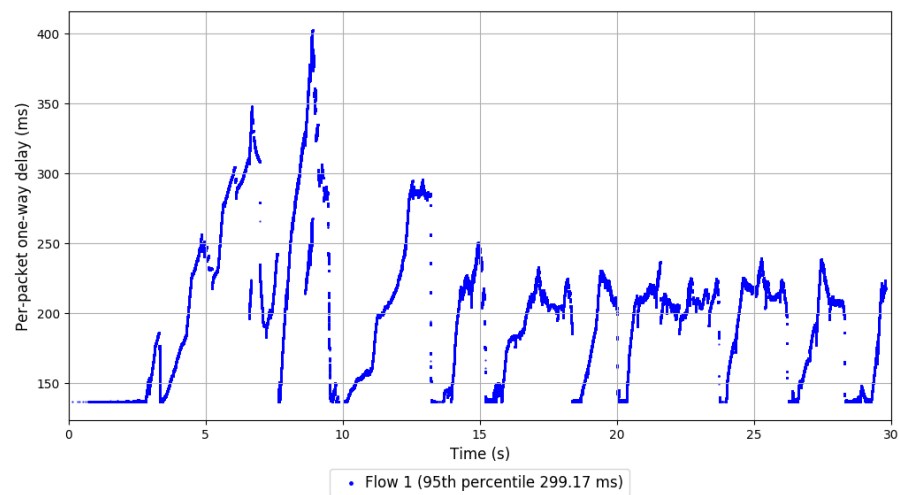
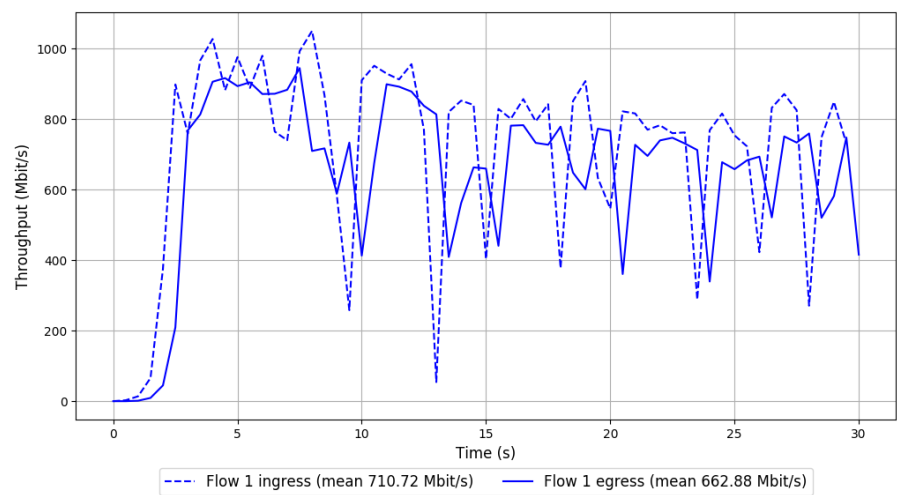


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-05 01:12:39
End at: 2018-07-05 01:13:09
Local clock offset: 0.116 ms
Remote clock offset: -0.396 ms

Below is generated by plot.py at 2018-07-05 03:46:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 662.88 Mbit/s
95th percentile per-packet one-way delay: 299.171 ms
Loss rate: 7.58%
-- Flow 1:
Average throughput: 662.88 Mbit/s
95th percentile per-packet one-way delay: 299.171 ms
Loss rate: 7.58%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-05 01:35:25

End at: 2018-07-05 01:35:55

Local clock offset: -0.051 ms

Remote clock offset: 0.267 ms

Below is generated by plot.py at 2018-07-05 03:55:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 717.58 Mbit/s

95th percentile per-packet one-way delay: 338.186 ms

Loss rate: 9.89%

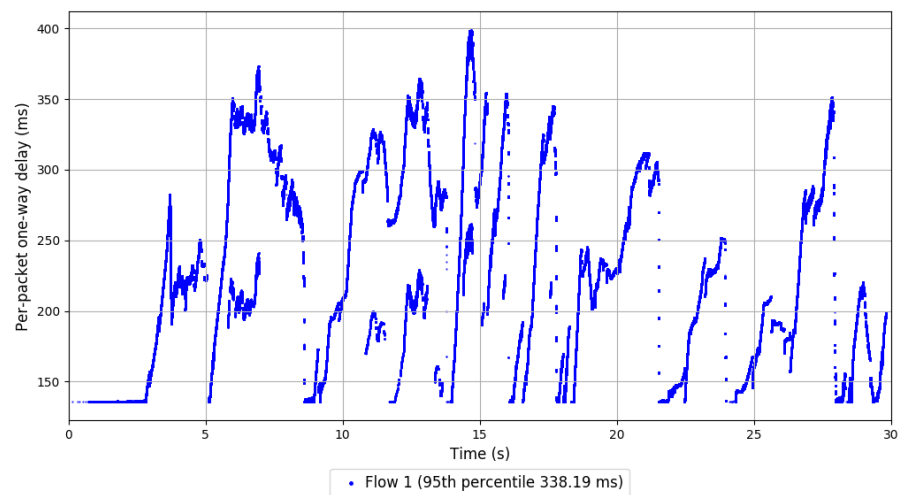
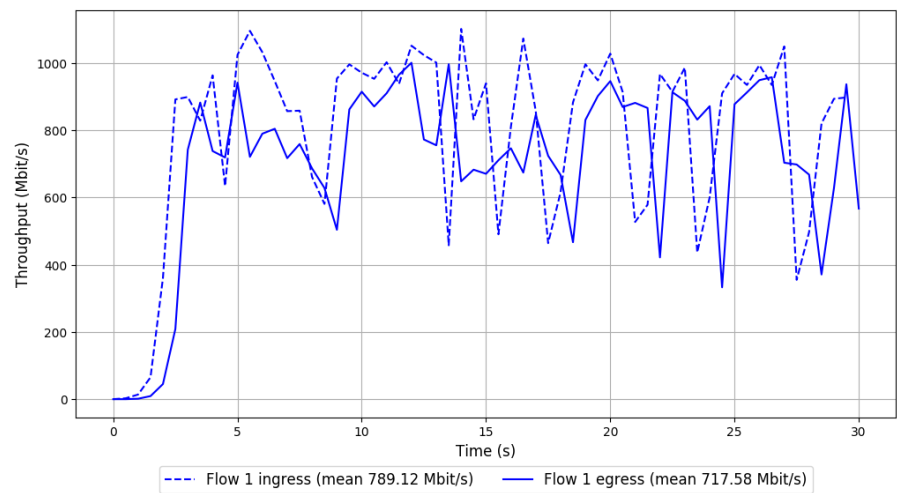
-- Flow 1:

Average throughput: 717.58 Mbit/s

95th percentile per-packet one-way delay: 338.186 ms

Loss rate: 9.89%

Run 7: Report of FillP-Sheep — Data Link

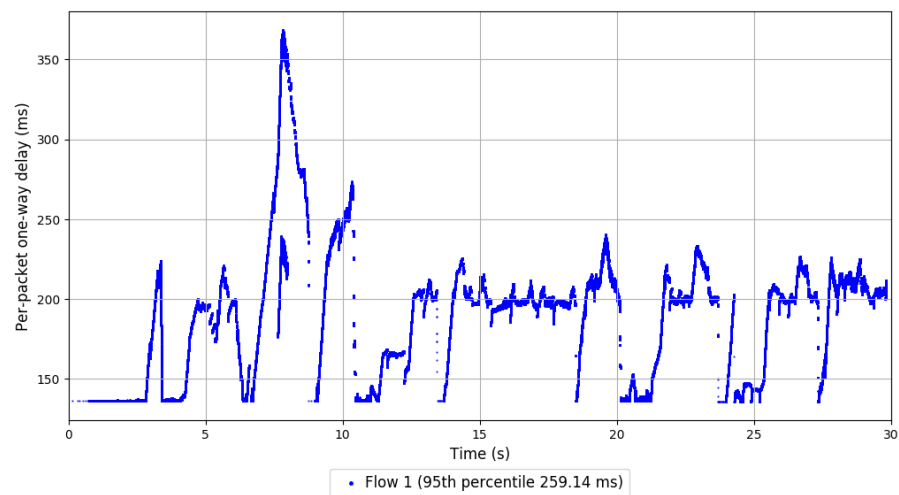
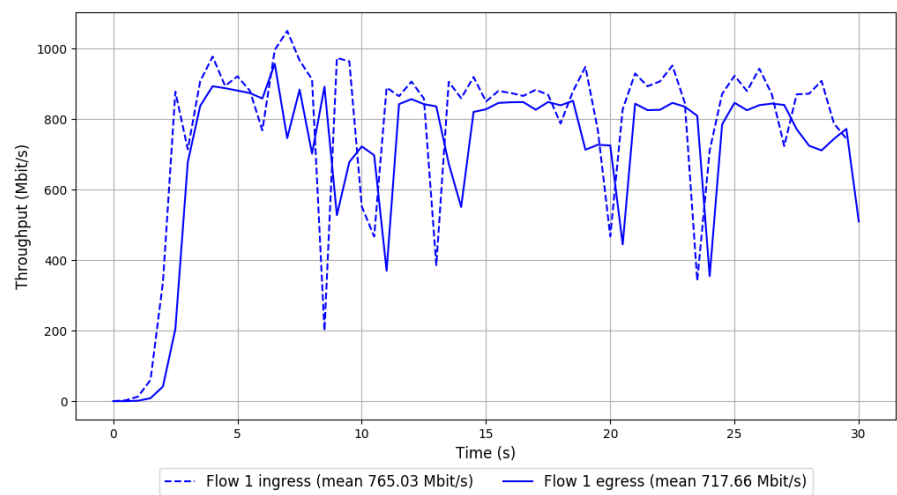


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-05 01:58:37
End at: 2018-07-05 01:59:07
Local clock offset: -0.302 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-07-05 03:56:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 717.66 Mbit/s
95th percentile per-packet one-way delay: 259.141 ms
Loss rate: 7.05%
-- Flow 1:
Average throughput: 717.66 Mbit/s
95th percentile per-packet one-way delay: 259.141 ms
Loss rate: 7.05%

Run 8: Report of FillP-Sheep — Data Link

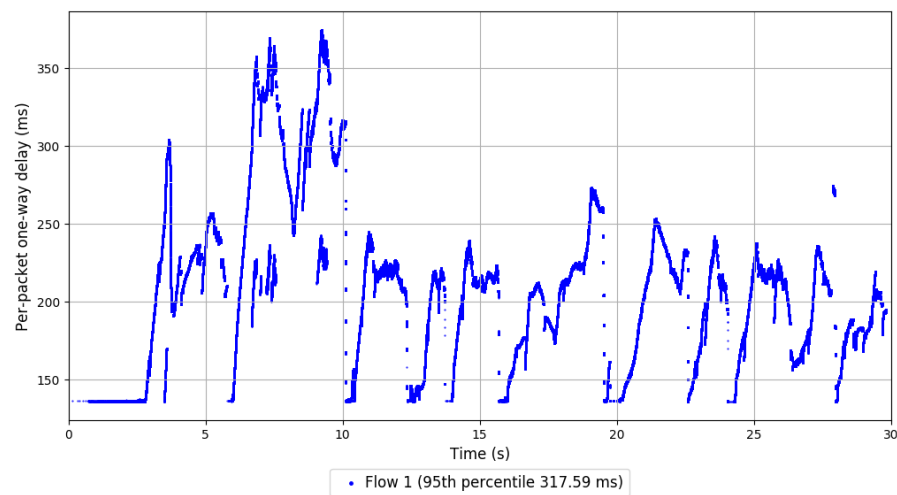
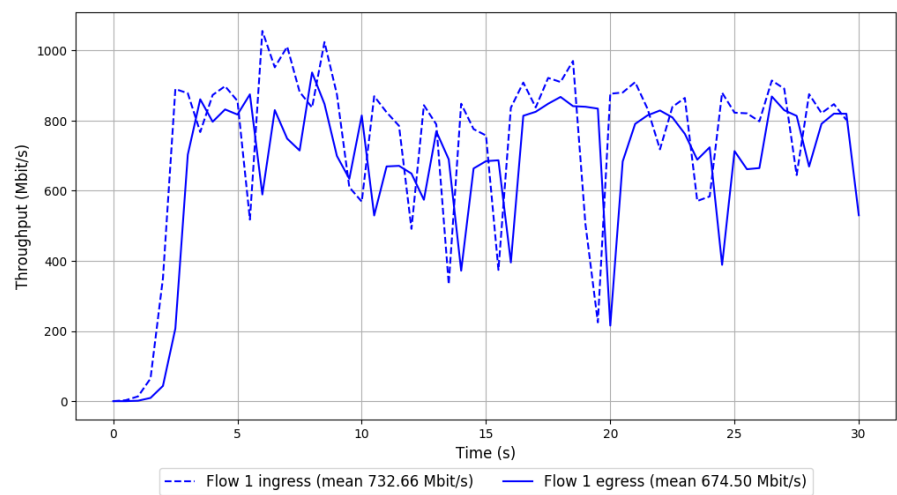


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-05 02:21:19
End at: 2018-07-05 02:21:49
Local clock offset: -0.001 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2018-07-05 03:56:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 674.50 Mbit/s
95th percentile per-packet one-way delay: 317.592 ms
Loss rate: 8.78%
-- Flow 1:
Average throughput: 674.50 Mbit/s
95th percentile per-packet one-way delay: 317.592 ms
Loss rate: 8.78%

Run 9: Report of FillP-Sheep — Data Link

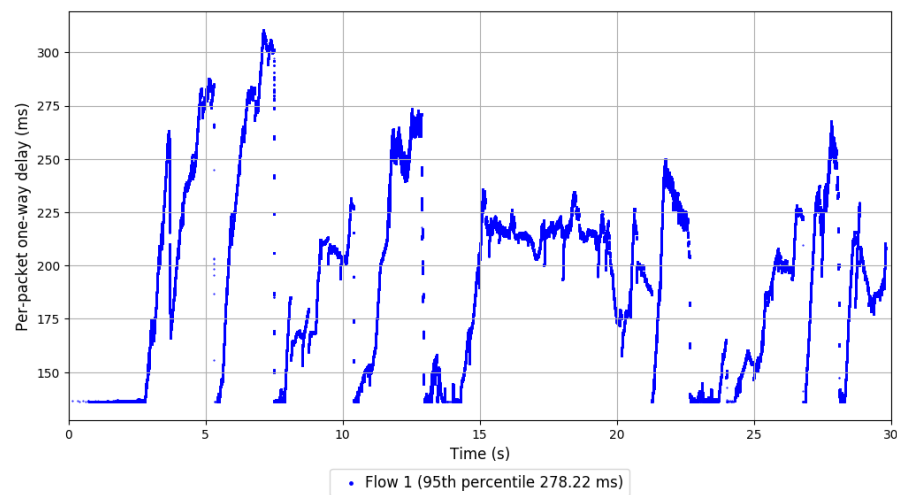
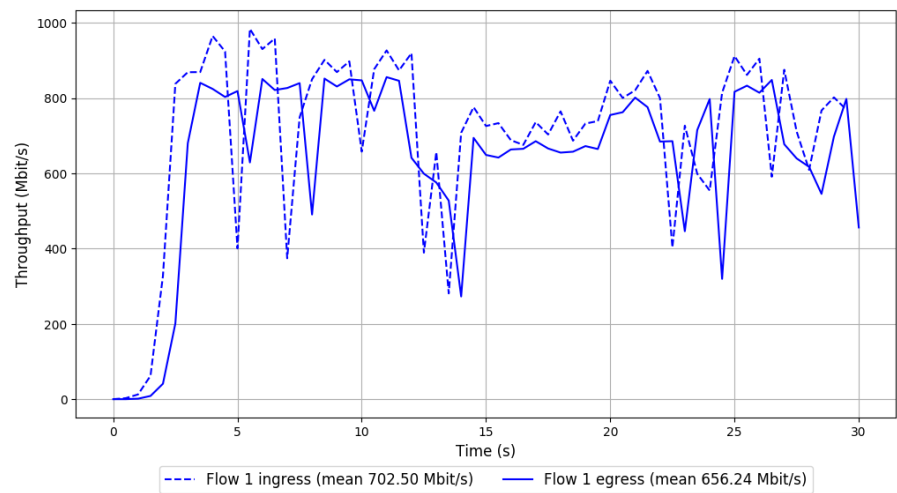


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-05 02:43:54
End at: 2018-07-05 02:44:24
Local clock offset: 0.003 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-05 03:56:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 656.24 Mbit/s
95th percentile per-packet one-way delay: 278.221 ms
Loss rate: 7.44%
-- Flow 1:
Average throughput: 656.24 Mbit/s
95th percentile per-packet one-way delay: 278.221 ms
Loss rate: 7.44%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-07-04 23:17:23

End at: 2018-07-04 23:17:53

Local clock offset: 0.042 ms

Remote clock offset: -0.155 ms

Below is generated by plot.py at 2018-07-05 03:56:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.80 Mbit/s

95th percentile per-packet one-way delay: 136.493 ms

Loss rate: 0.98%

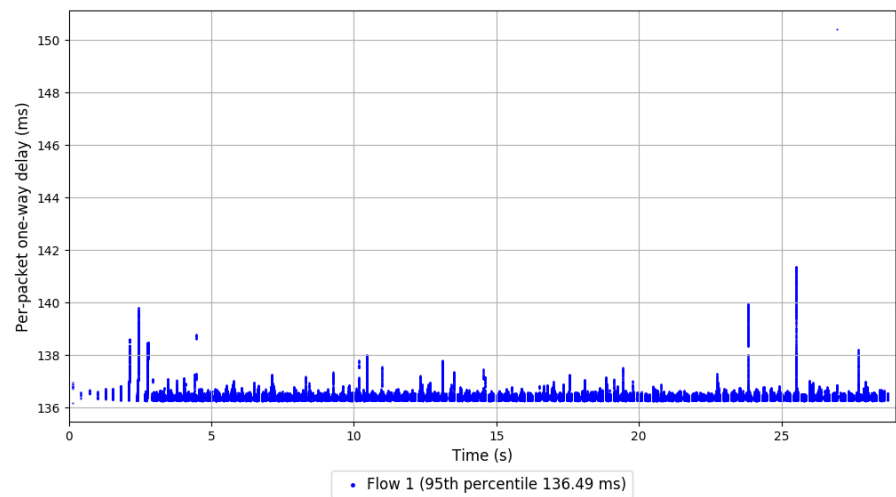
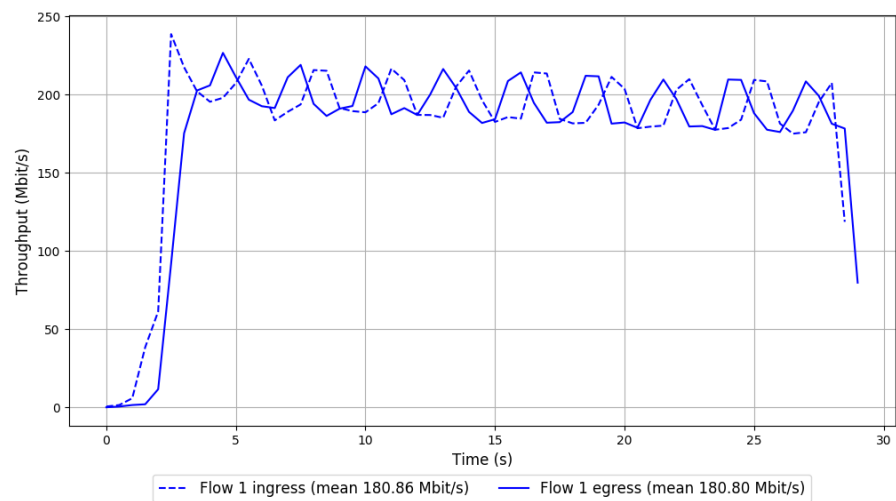
-- Flow 1:

Average throughput: 180.80 Mbit/s

95th percentile per-packet one-way delay: 136.493 ms

Loss rate: 0.98%

Run 1: Report of Indigo — Data Link

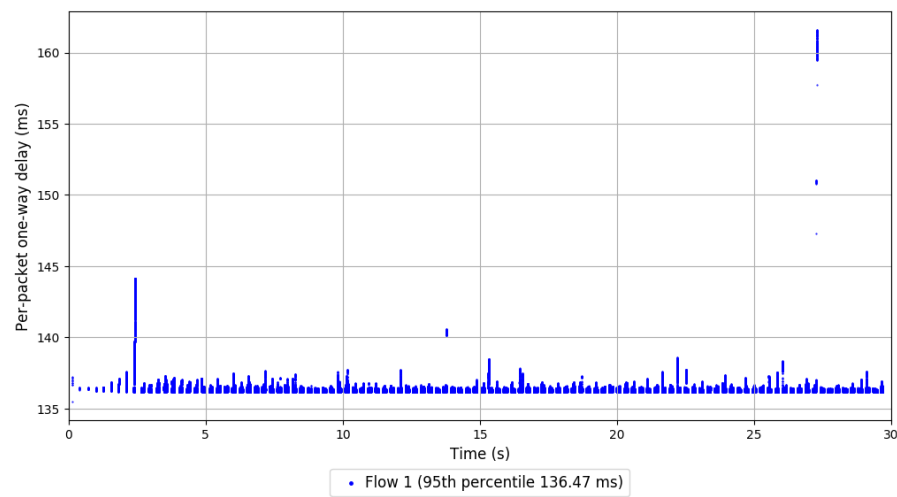
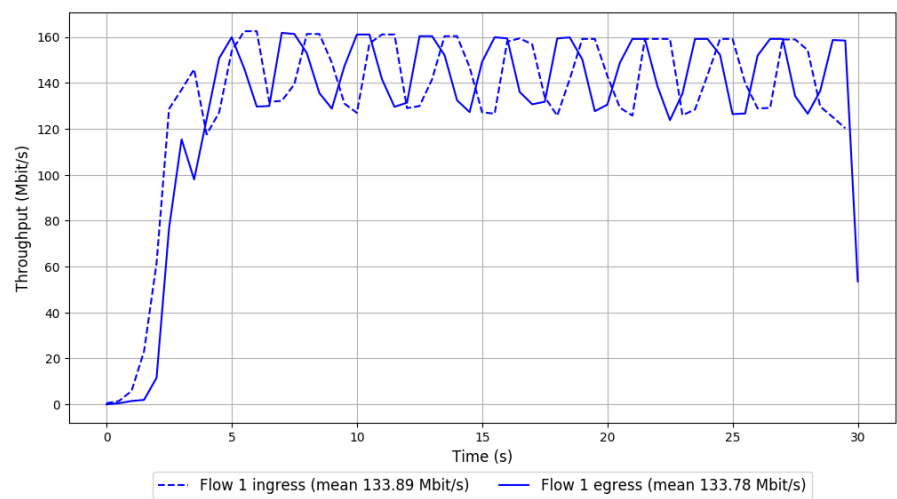


Run 2: Statistics of Indigo

Start at: 2018-07-04 23:39:52
End at: 2018-07-04 23:40:22
Local clock offset: -0.049 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2018-07-05 03:56:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 133.78 Mbit/s
95th percentile per-packet one-way delay: 136.468 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 133.78 Mbit/s
95th percentile per-packet one-way delay: 136.468 ms
Loss rate: 0.99%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-05 00:02:47

End at: 2018-07-05 00:03:17

Local clock offset: 0.089 ms

Remote clock offset: 0.203 ms

Below is generated by plot.py at 2018-07-05 03:56:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 178.37 Mbit/s

95th percentile per-packet one-way delay: 136.176 ms

Loss rate: 0.89%

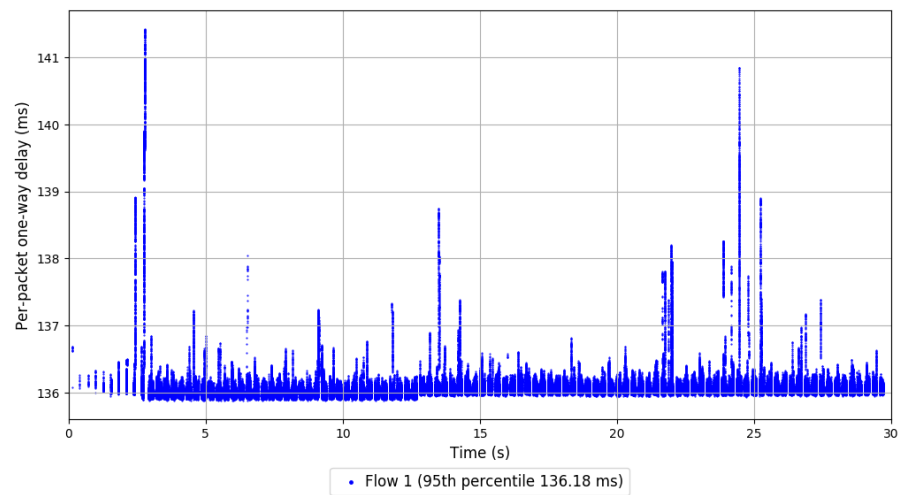
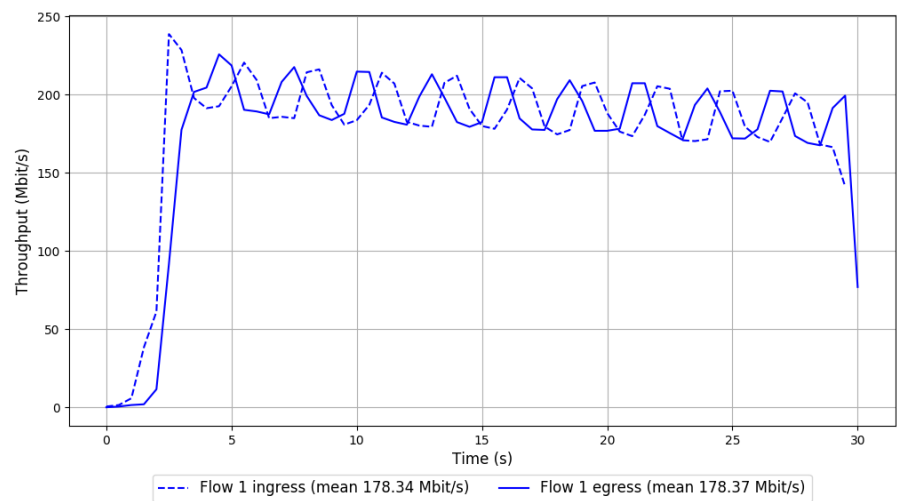
-- Flow 1:

Average throughput: 178.37 Mbit/s

95th percentile per-packet one-way delay: 136.176 ms

Loss rate: 0.89%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-05 00:25:21

End at: 2018-07-05 00:25:51

Local clock offset: 0.05 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-07-05 03:56:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 182.74 Mbit/s

95th percentile per-packet one-way delay: 136.534 ms

Loss rate: 0.94%

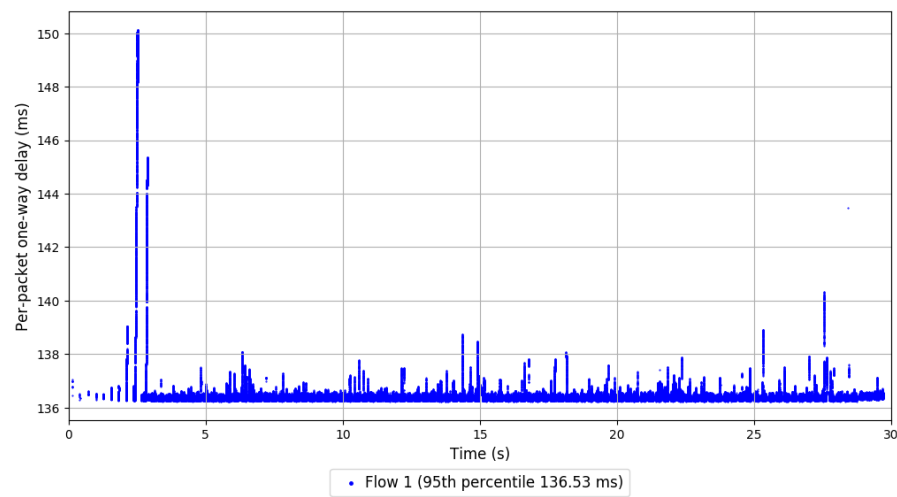
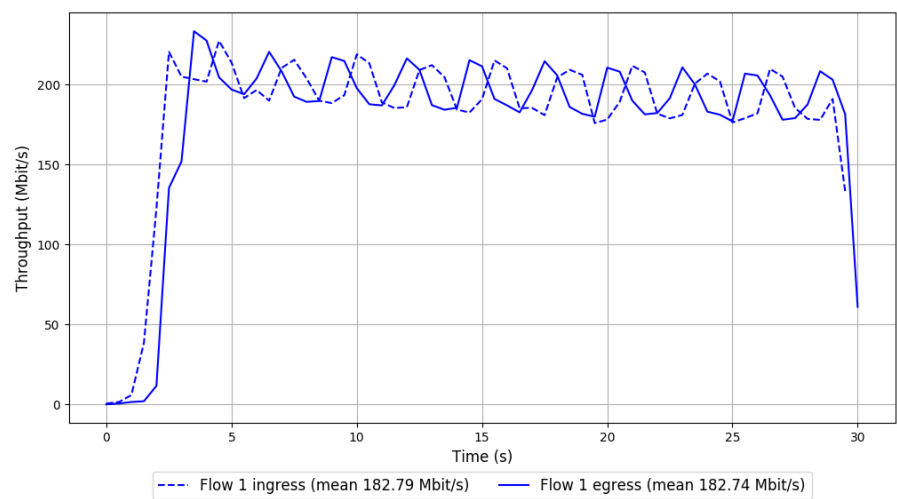
-- Flow 1:

Average throughput: 182.74 Mbit/s

95th percentile per-packet one-way delay: 136.534 ms

Loss rate: 0.94%

Run 4: Report of Indigo — Data Link

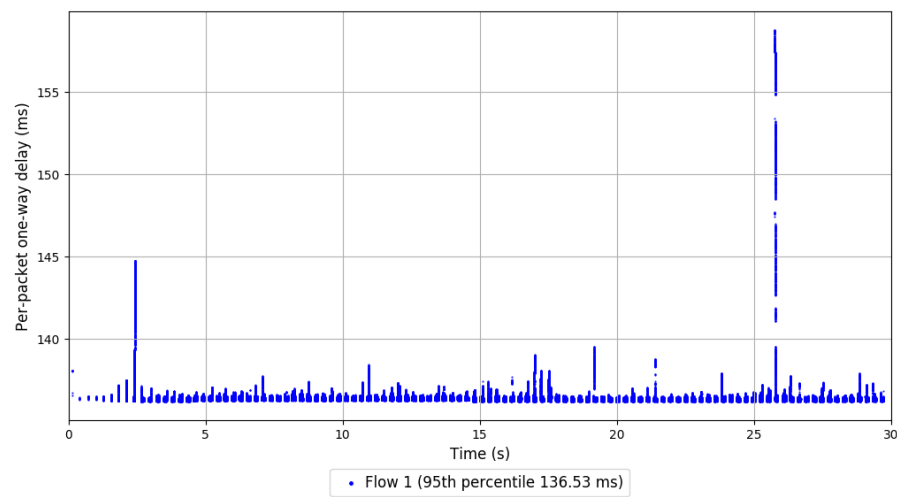
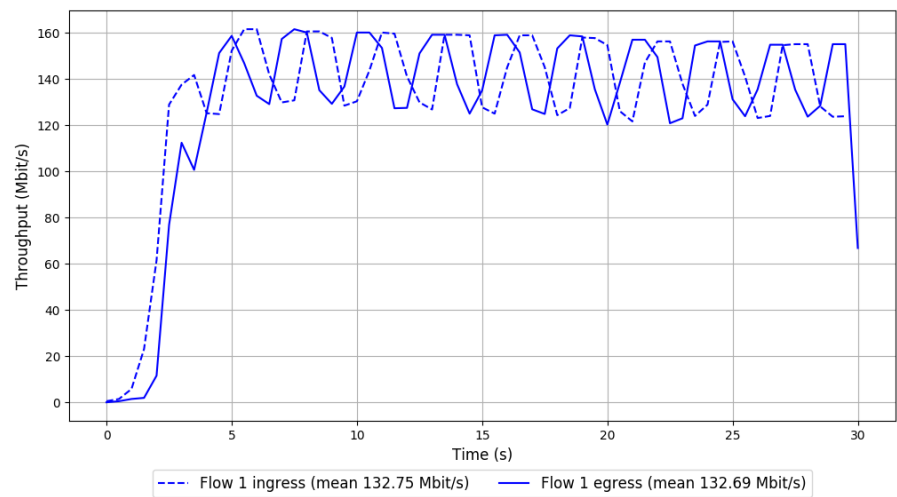


Run 5: Statistics of Indigo

Start at: 2018-07-05 00:48:25
End at: 2018-07-05 00:48:55
Local clock offset: -0.026 ms
Remote clock offset: -0.438 ms

Below is generated by plot.py at 2018-07-05 03:56:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.69 Mbit/s
95th percentile per-packet one-way delay: 136.528 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 132.69 Mbit/s
95th percentile per-packet one-way delay: 136.528 ms
Loss rate: 0.96%

Run 5: Report of Indigo — Data Link

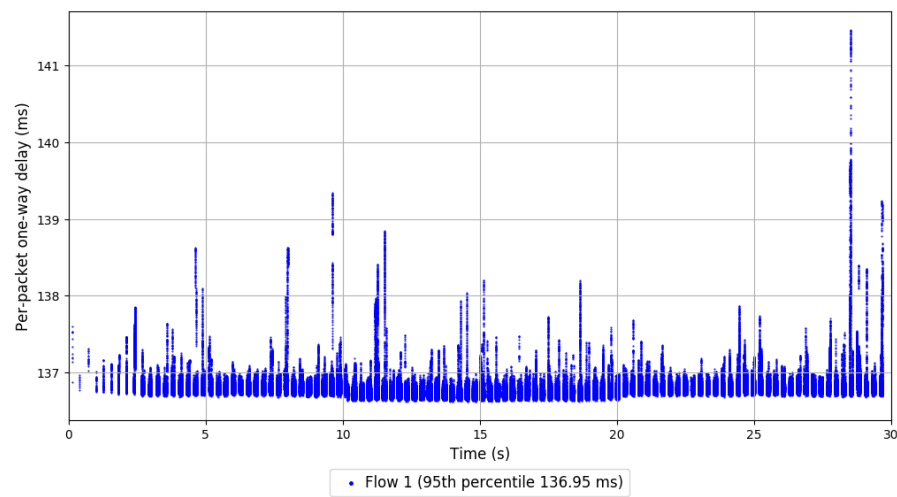
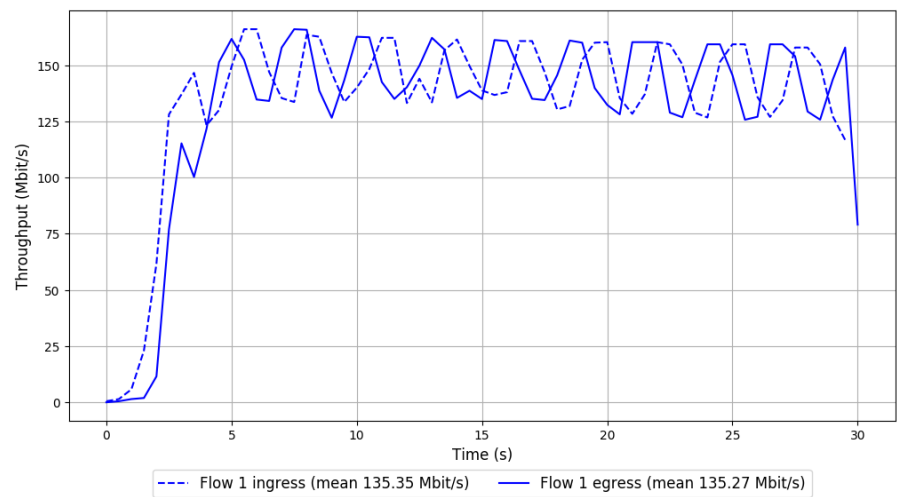


Run 6: Statistics of Indigo

Start at: 2018-07-05 01:11:20
End at: 2018-07-05 01:11:50
Local clock offset: 0.141 ms
Remote clock offset: -0.331 ms

Below is generated by plot.py at 2018-07-05 03:56:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 135.27 Mbit/s
95th percentile per-packet one-way delay: 136.954 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 135.27 Mbit/s
95th percentile per-packet one-way delay: 136.954 ms
Loss rate: 0.98%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-05 01:34:07

End at: 2018-07-05 01:34:37

Local clock offset: 0.012 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-07-05 03:56:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.23 Mbit/s

95th percentile per-packet one-way delay: 136.577 ms

Loss rate: 0.98%

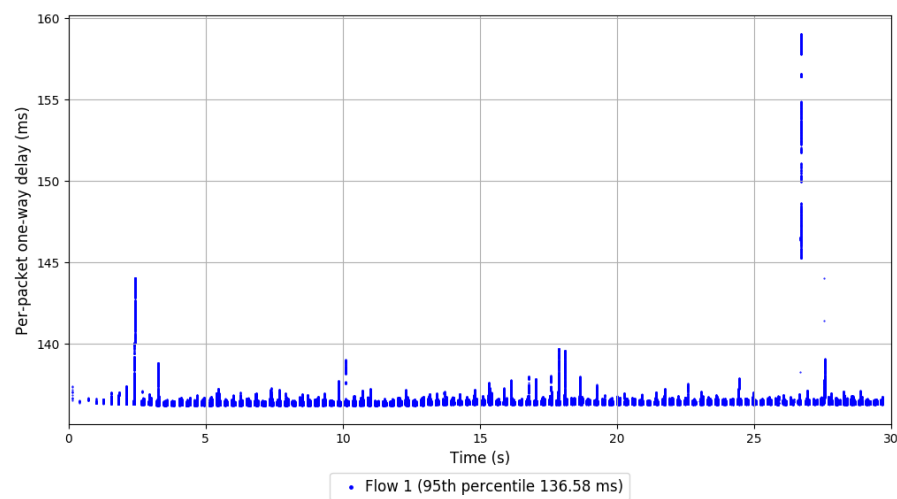
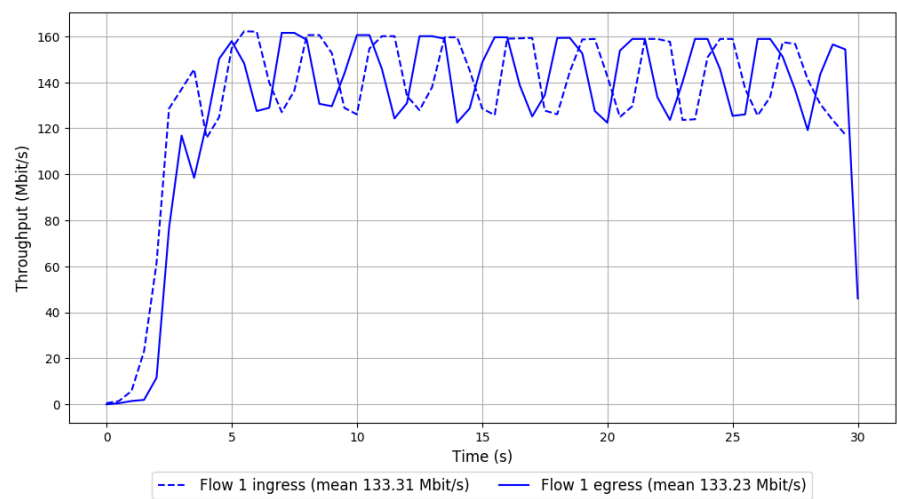
-- Flow 1:

Average throughput: 133.23 Mbit/s

95th percentile per-packet one-way delay: 136.577 ms

Loss rate: 0.98%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-05 01:57:19

End at: 2018-07-05 01:57:49

Local clock offset: -0.12 ms

Remote clock offset: 0.241 ms

Below is generated by plot.py at 2018-07-05 03:56:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 135.62 Mbit/s

95th percentile per-packet one-way delay: 135.969 ms

Loss rate: 0.98%

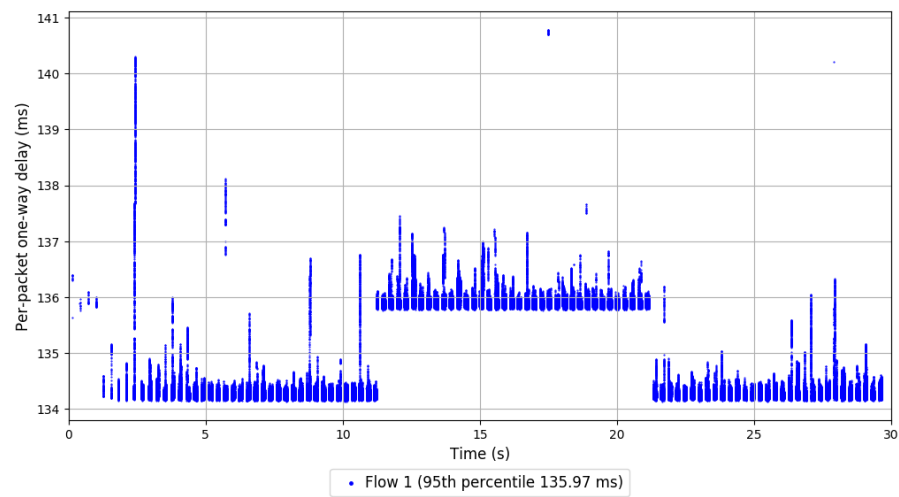
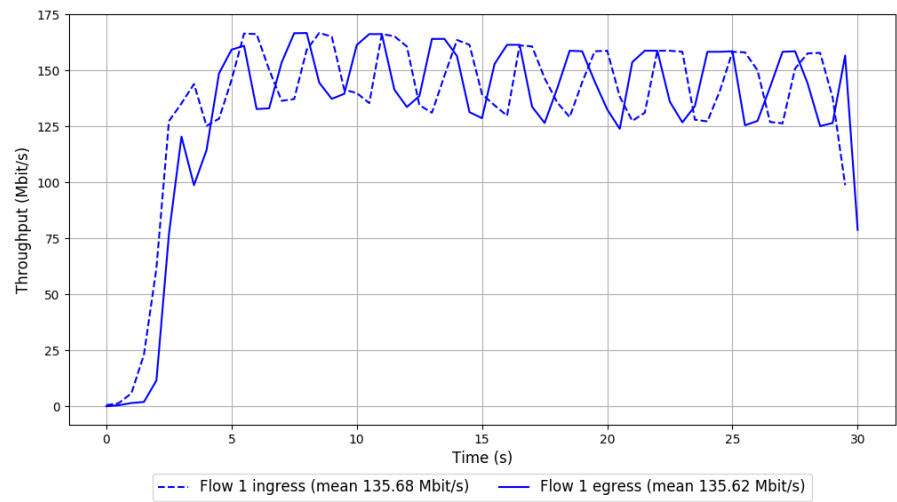
-- Flow 1:

Average throughput: 135.62 Mbit/s

95th percentile per-packet one-way delay: 135.969 ms

Loss rate: 0.98%

Run 8: Report of Indigo — Data Link

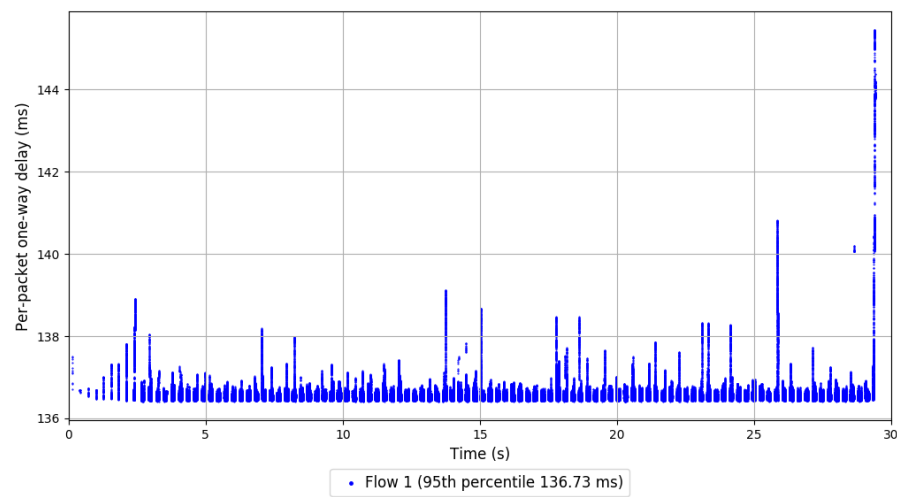
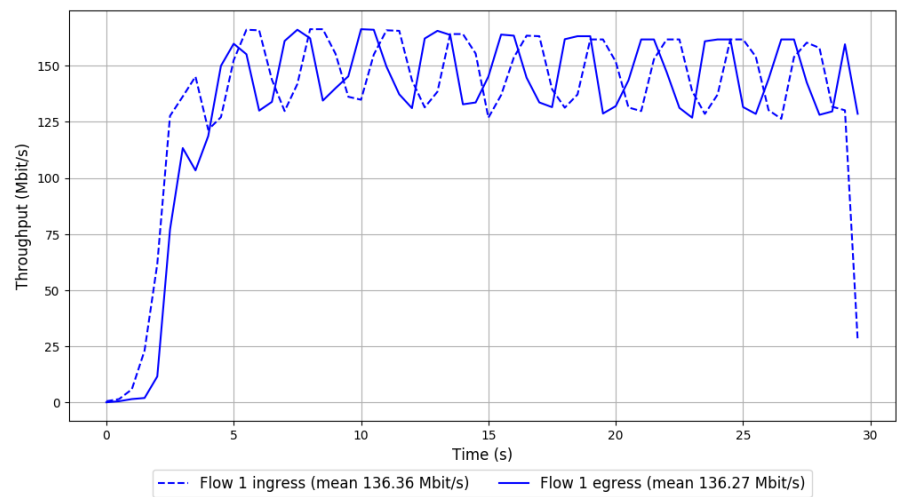


Run 9: Statistics of Indigo

Start at: 2018-07-05 02:20:00
End at: 2018-07-05 02:20:30
Local clock offset: -0.213 ms
Remote clock offset: -0.495 ms

Below is generated by plot.py at 2018-07-05 03:56:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 136.27 Mbit/s
95th percentile per-packet one-way delay: 136.734 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 136.27 Mbit/s
95th percentile per-packet one-way delay: 136.734 ms
Loss rate: 0.99%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-05 02:42:32

End at: 2018-07-05 02:43:02

Local clock offset: 0.012 ms

Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-05 03:56:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.40 Mbit/s

95th percentile per-packet one-way delay: 136.472 ms

Loss rate: 0.94%

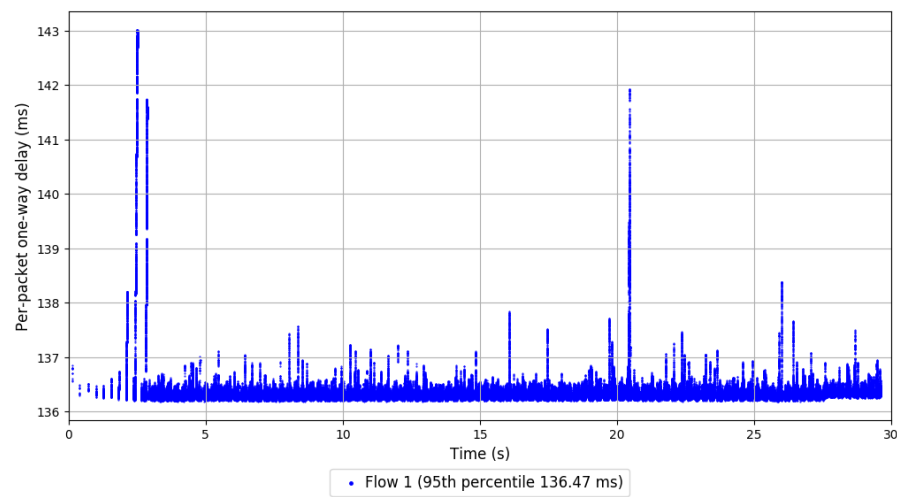
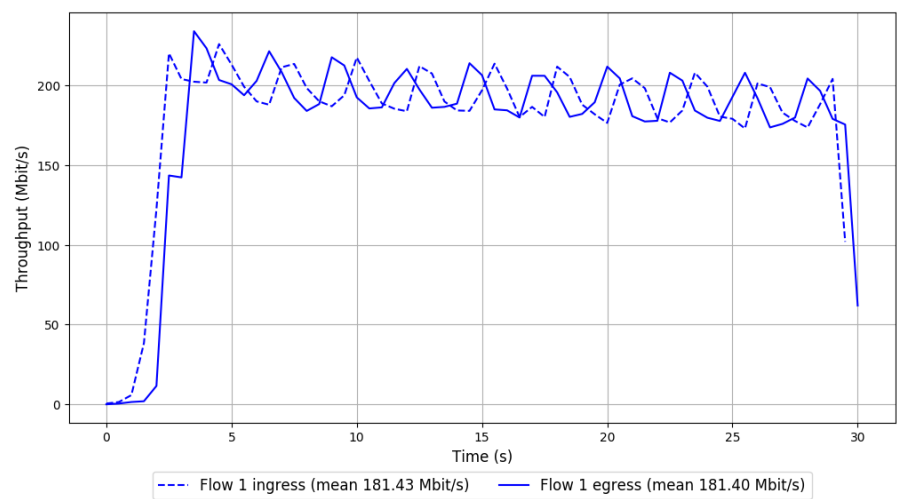
-- Flow 1:

Average throughput: 181.40 Mbit/s

95th percentile per-packet one-way delay: 136.472 ms

Loss rate: 0.94%

Run 10: Report of Indigo — Data Link

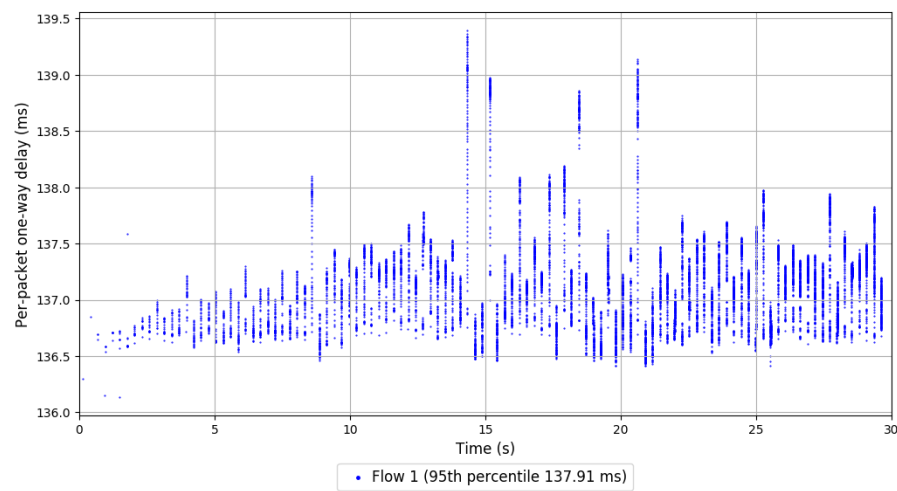
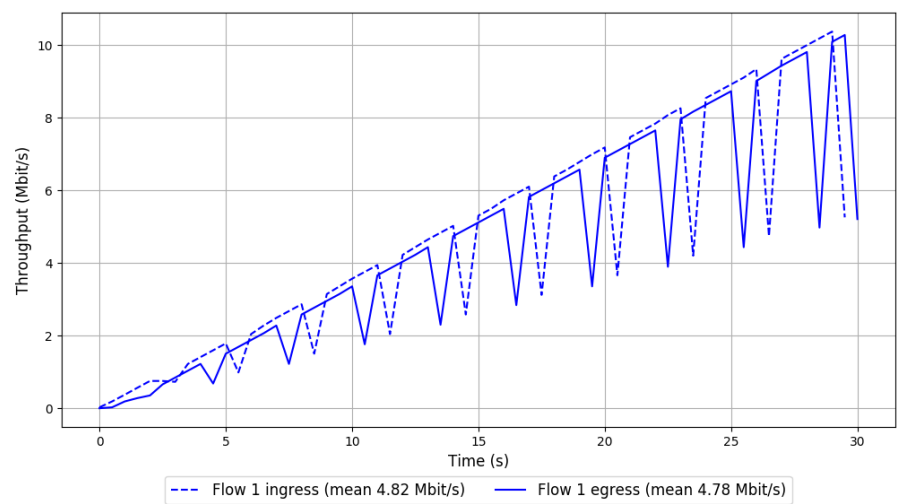


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-04 23:23:00
End at: 2018-07-04 23:23:30
Local clock offset: 0.246 ms
Remote clock offset: -0.114 ms

# Below is generated by plot.py at 2018-07-05 03:56:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 137.908 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 137.908 ms
Loss rate: 1.83%
```


Run 1: Report of LEDBAT — Data Link

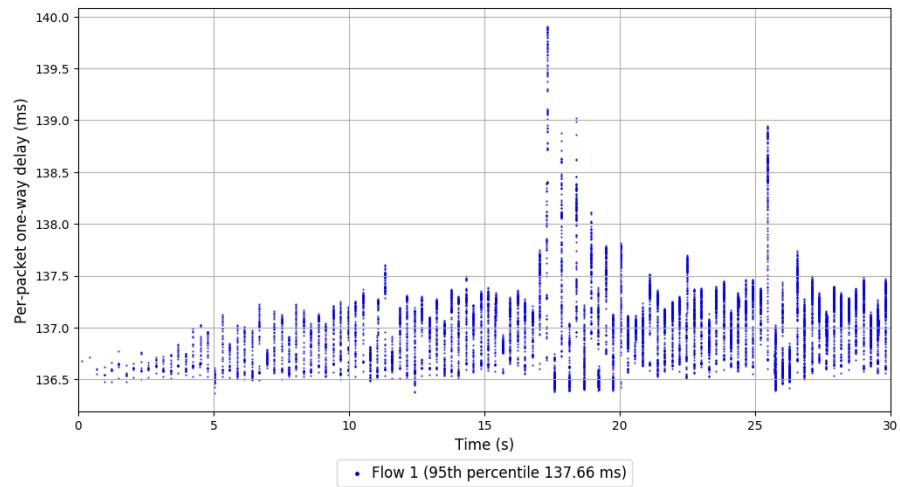
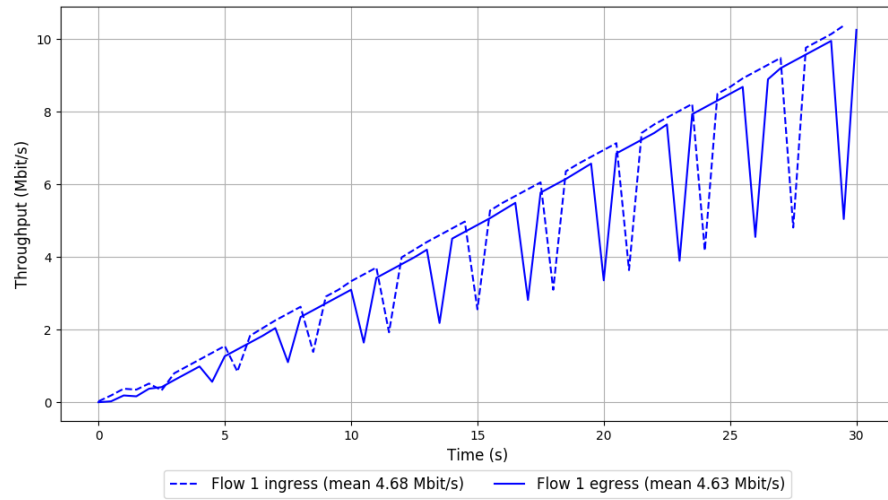


```
Run 2: Statistics of LEDBAT

Start at: 2018-07-04 23:45:45
End at: 2018-07-04 23:46:15
Local clock offset: 0.166 ms
Remote clock offset: -0.155 ms

# Below is generated by plot.py at 2018-07-05 03:56:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.63 Mbit/s
95th percentile per-packet one-way delay: 137.663 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 4.63 Mbit/s
95th percentile per-packet one-way delay: 137.663 ms
Loss rate: 1.86%
```

Run 2: Report of LEDBAT — Data Link

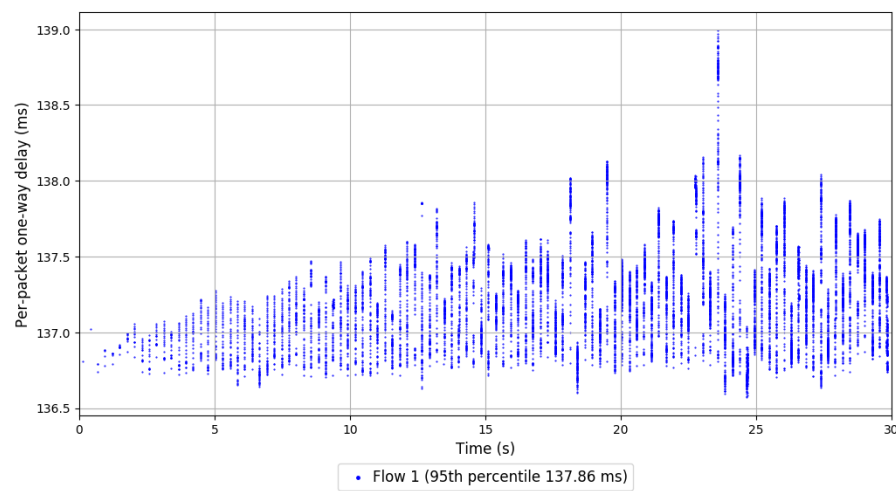
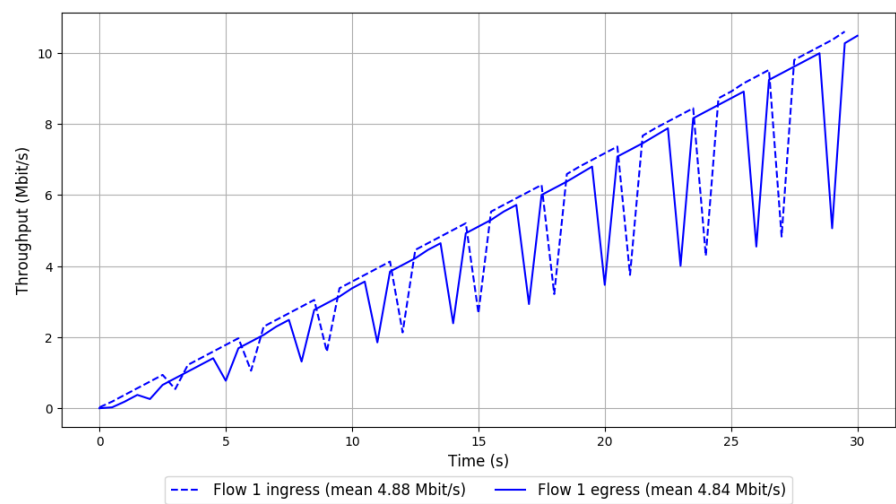


Run 3: Statistics of LEDBAT

Start at: 2018-07-05 00:08:28
End at: 2018-07-05 00:08:58
Local clock offset: -0.061 ms
Remote clock offset: -0.504 ms

Below is generated by plot.py at 2018-07-05 03:56:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 137.862 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 137.862 ms
Loss rate: 1.82%

Run 3: Report of LEDBAT — Data Link

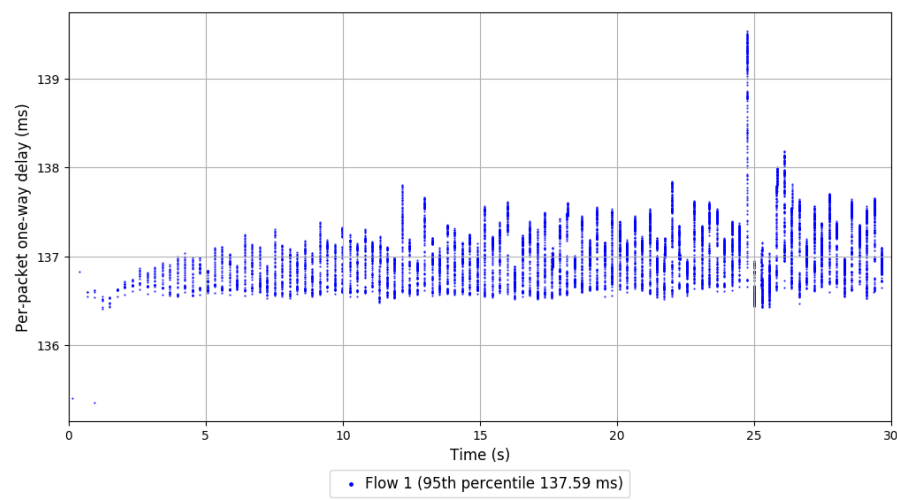
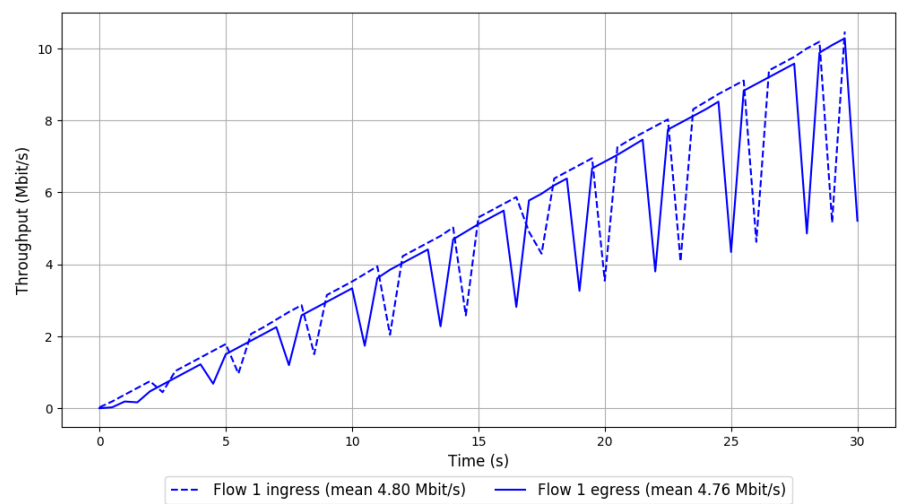


Run 4: Statistics of LEDBAT

Start at: 2018-07-05 00:31:20
End at: 2018-07-05 00:31:50
Local clock offset: 0.177 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-07-05 03:56:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.76 Mbit/s
95th percentile per-packet one-way delay: 137.594 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 4.76 Mbit/s
95th percentile per-packet one-way delay: 137.594 ms
Loss rate: 1.84%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-05 00:54:27

End at: 2018-07-05 00:54:57

Local clock offset: -0.032 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-05 03:56:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.84 Mbit/s

95th percentile per-packet one-way delay: 136.841 ms

Loss rate: 1.81%

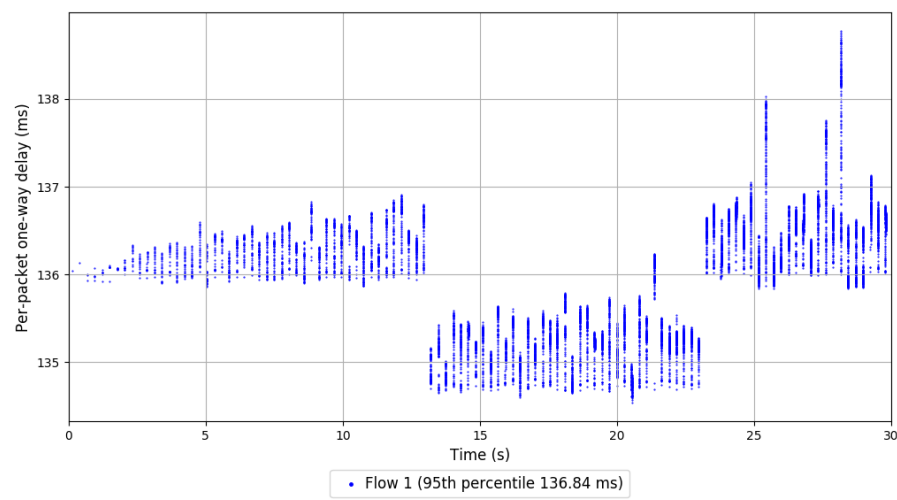
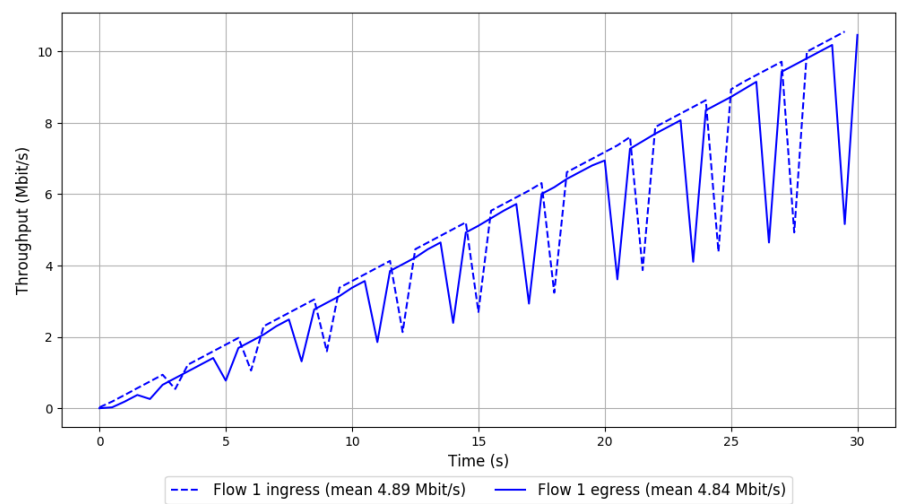
-- Flow 1:

Average throughput: 4.84 Mbit/s

95th percentile per-packet one-way delay: 136.841 ms

Loss rate: 1.81%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-05 01:17:19

End at: 2018-07-05 01:17:49

Local clock offset: 0.057 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-05 03:56:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.78 Mbit/s

95th percentile per-packet one-way delay: 137.360 ms

Loss rate: 1.84%

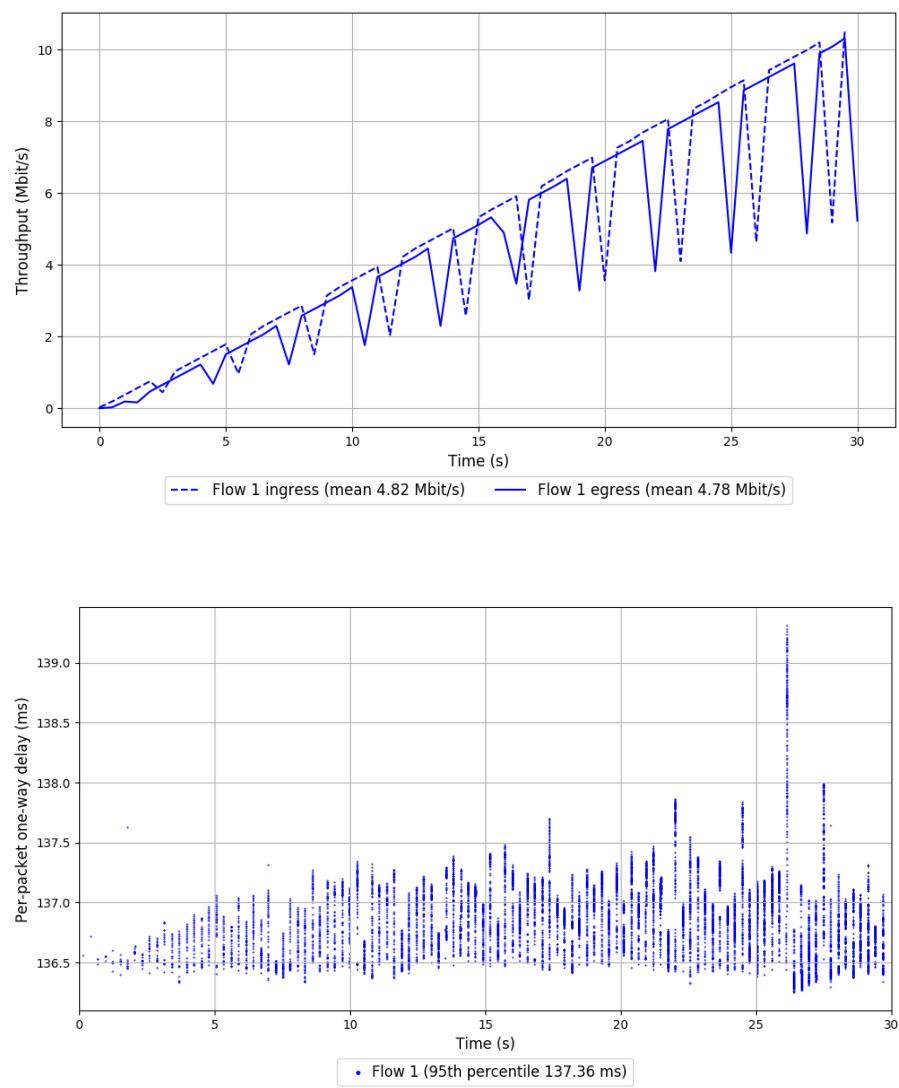
-- Flow 1:

Average throughput: 4.78 Mbit/s

95th percentile per-packet one-way delay: 137.360 ms

Loss rate: 1.84%

Run 6: Report of LEDBAT — Data Link

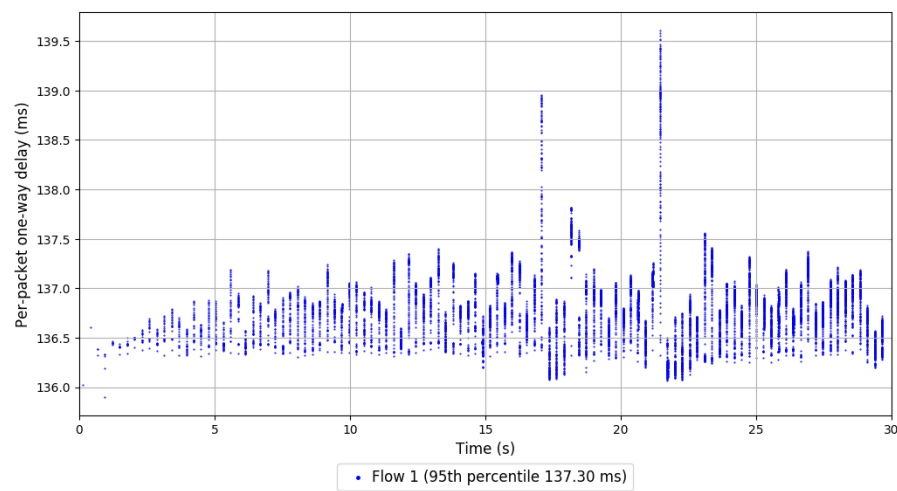
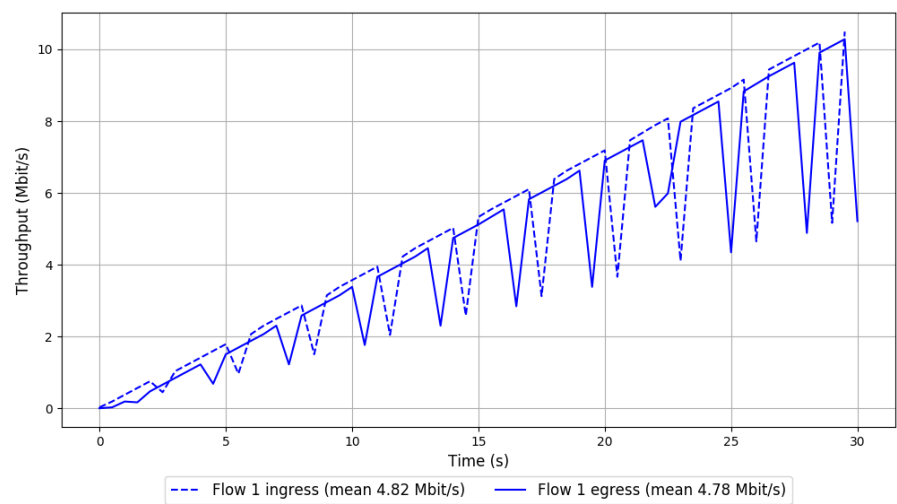


Run 7: Statistics of LEDBAT

Start at: 2018-07-05 01:40:13
End at: 2018-07-05 01:40:43
Local clock offset: -0.128 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-07-05 03:56:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 137.297 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 137.297 ms
Loss rate: 1.84%

Run 7: Report of LEDBAT — Data Link

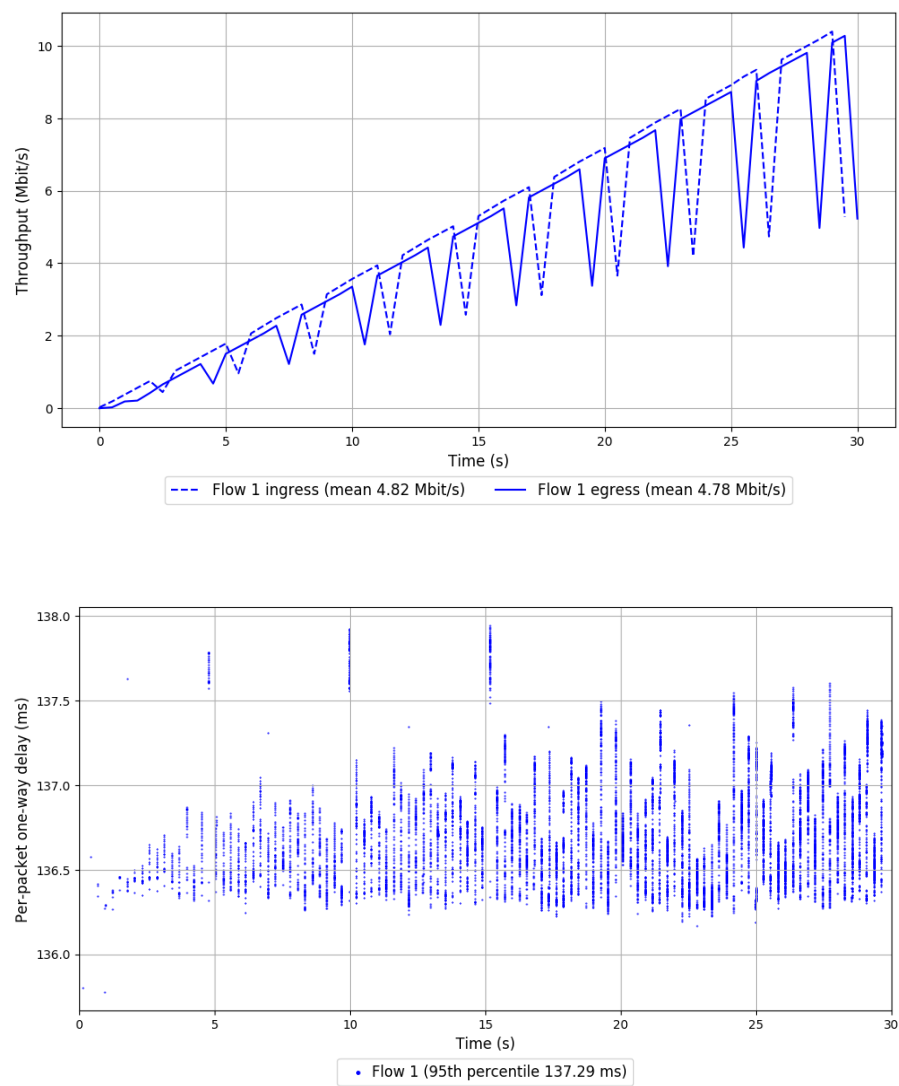


Run 8: Statistics of LEDBAT

Start at: 2018-07-05 02:03:06
End at: 2018-07-05 02:03:36
Local clock offset: -0.127 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2018-07-05 03:56:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 137.294 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 137.294 ms
Loss rate: 1.84%

Run 8: Report of LEDBAT — Data Link

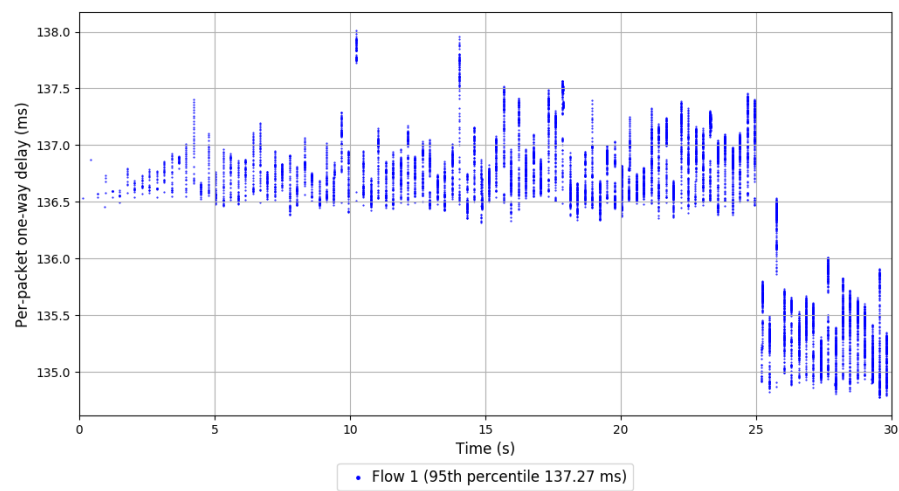
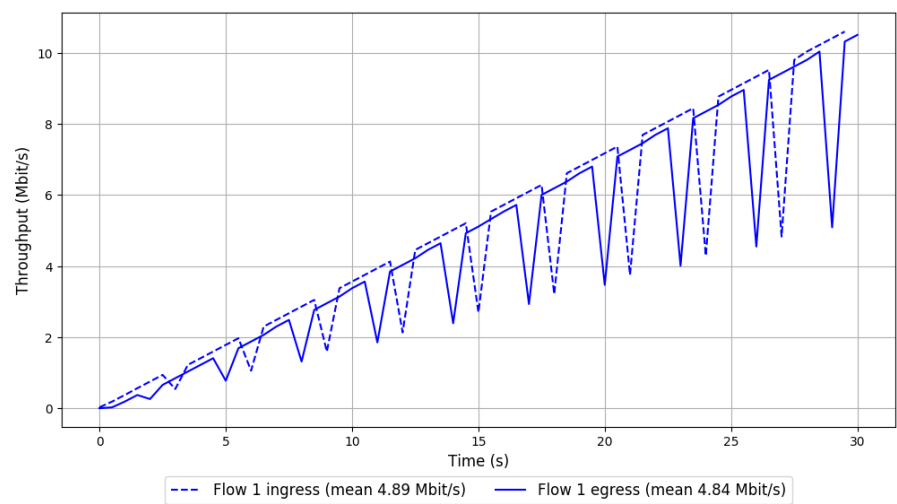


Run 9: Statistics of LEDBAT

Start at: 2018-07-05 02:25:45
End at: 2018-07-05 02:26:15
Local clock offset: 0.095 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-07-05 03:56:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 137.266 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 137.266 ms
Loss rate: 1.82%

Run 9: Report of LEDBAT — Data Link

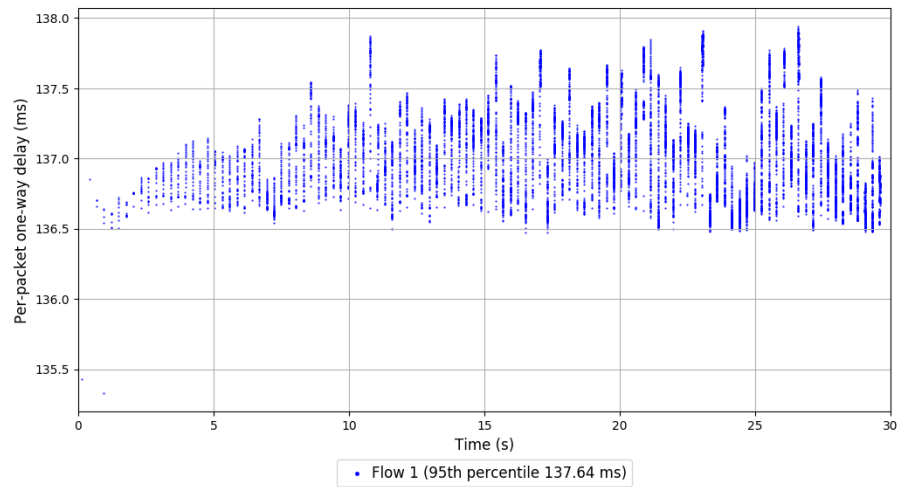
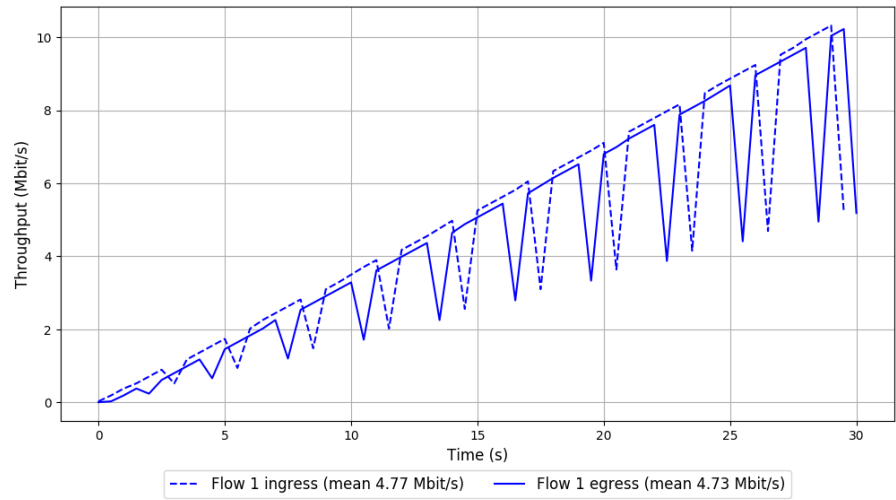


Run 10: Statistics of LEDBAT

Start at: 2018-07-05 02:48:15
End at: 2018-07-05 02:48:45
Local clock offset: -0.197 ms
Remote clock offset: -0.486 ms

Below is generated by plot.py at 2018-07-05 03:56:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.73 Mbit/s
95th percentile per-packet one-way delay: 137.642 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 4.73 Mbit/s
95th percentile per-packet one-way delay: 137.642 ms
Loss rate: 1.84%

Run 10: Report of LEDBAT — Data Link

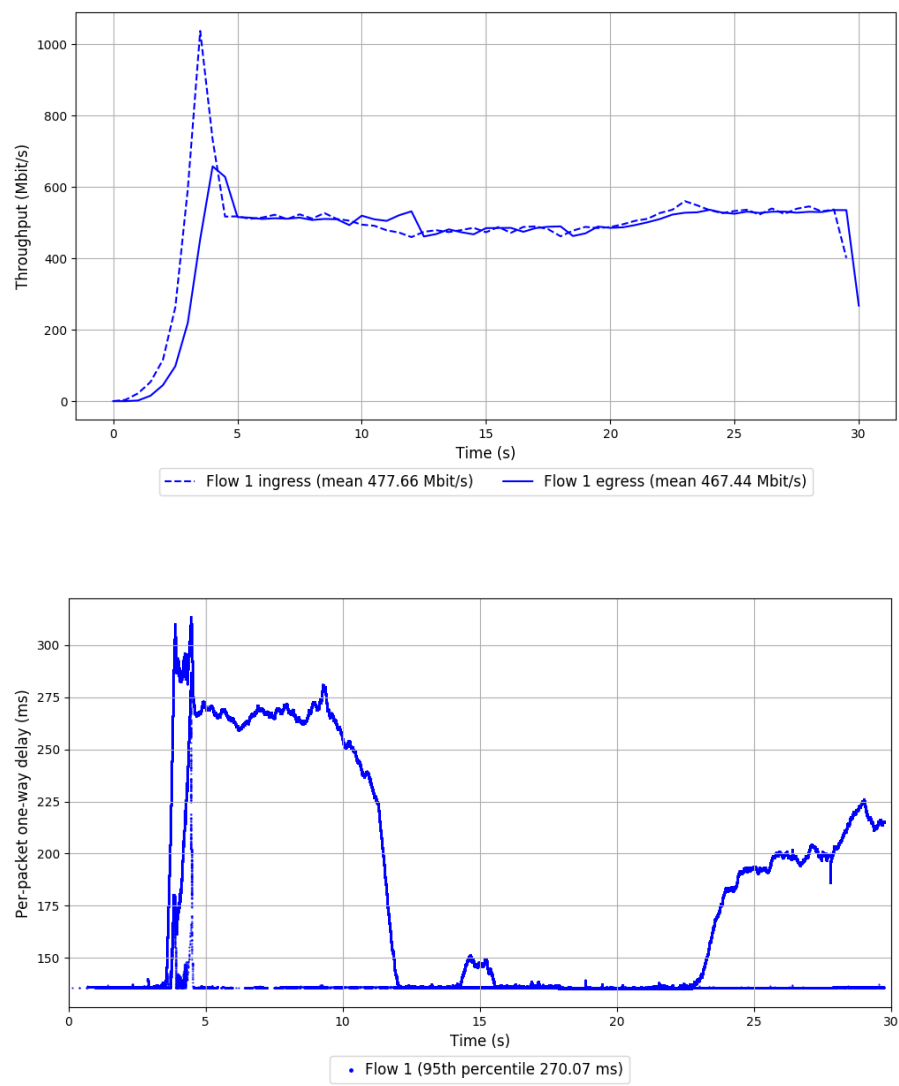


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-04 23:09:22
End at: 2018-07-04 23:09:52
Local clock offset: 0.093 ms
Remote clock offset: 0.216 ms

# Below is generated by plot.py at 2018-07-05 03:59:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 467.44 Mbit/s
95th percentile per-packet one-way delay: 270.074 ms
Loss rate: 3.03%
-- Flow 1:
Average throughput: 467.44 Mbit/s
95th percentile per-packet one-way delay: 270.074 ms
Loss rate: 3.03%
```

Run 1: Report of PCC-Allegro — Data Link

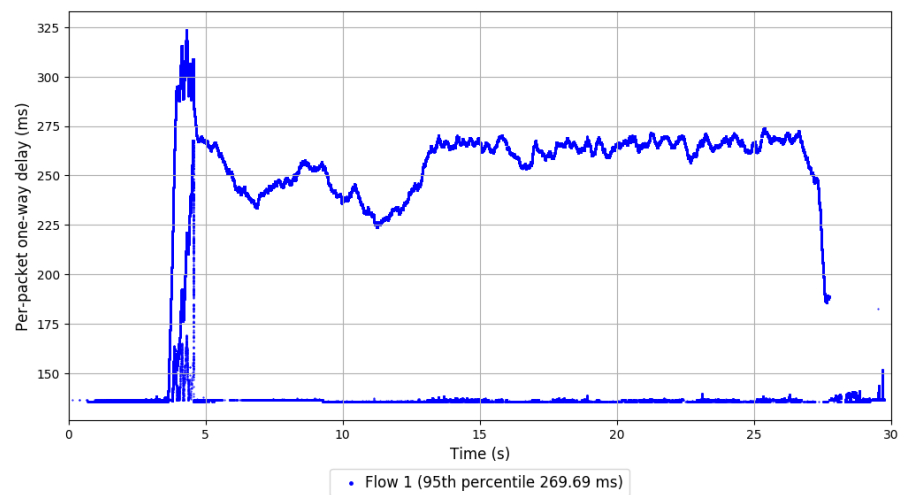
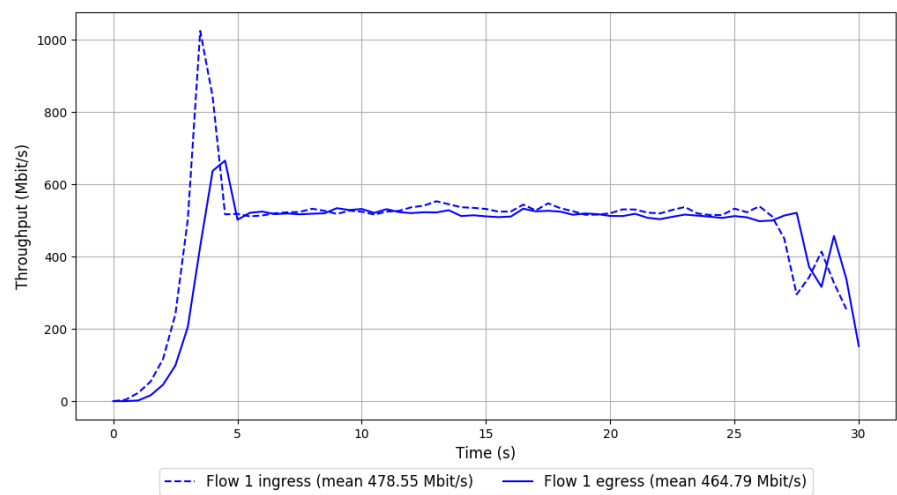


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-04 23:31:51
End at: 2018-07-04 23:32:21
Local clock offset: 0.033 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2018-07-05 03:59:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 464.79 Mbit/s
95th percentile per-packet one-way delay: 269.689 ms
Loss rate: 3.76%
-- Flow 1:
Average throughput: 464.79 Mbit/s
95th percentile per-packet one-way delay: 269.689 ms
Loss rate: 3.76%

Run 2: Report of PCC-Allegro — Data Link

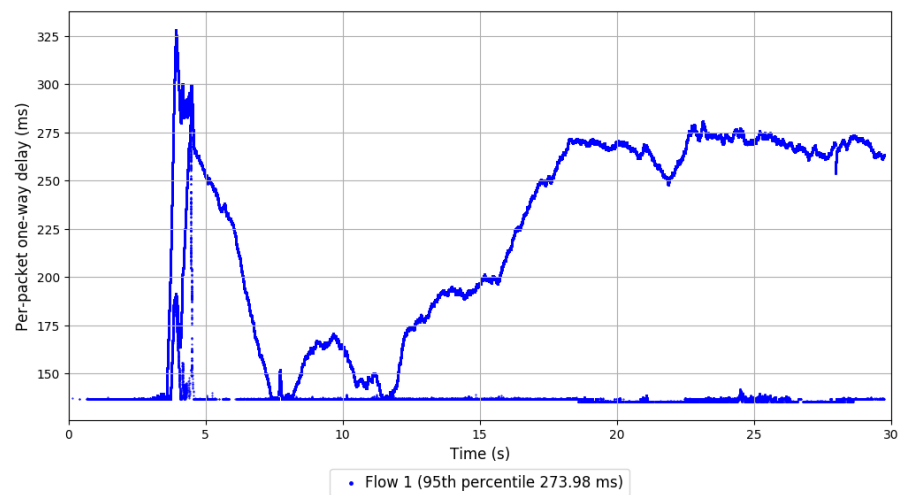
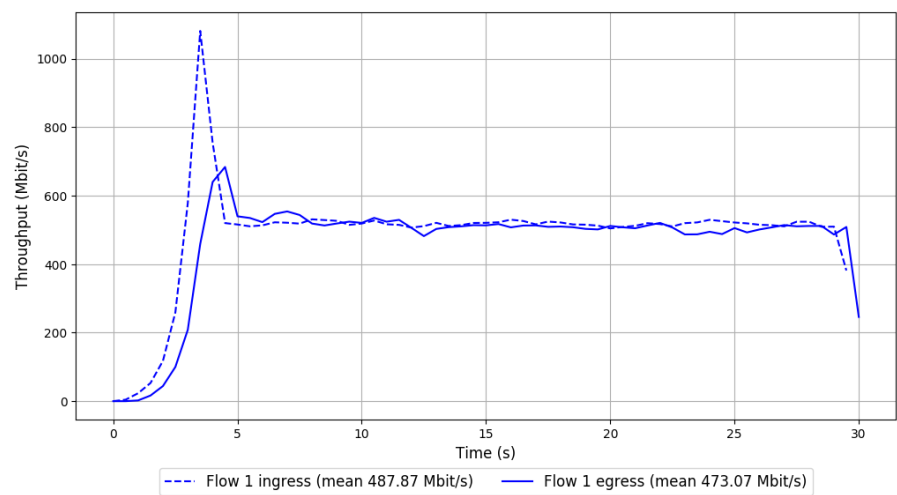


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-04 23:54:51
End at: 2018-07-04 23:55:21
Local clock offset: 0.216 ms
Remote clock offset: -0.532 ms

Below is generated by plot.py at 2018-07-05 04:00:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 473.07 Mbit/s
95th percentile per-packet one-way delay: 273.975 ms
Loss rate: 3.92%
-- Flow 1:
Average throughput: 473.07 Mbit/s
95th percentile per-packet one-way delay: 273.975 ms
Loss rate: 3.92%

Run 3: Report of PCC-Allegro — Data Link

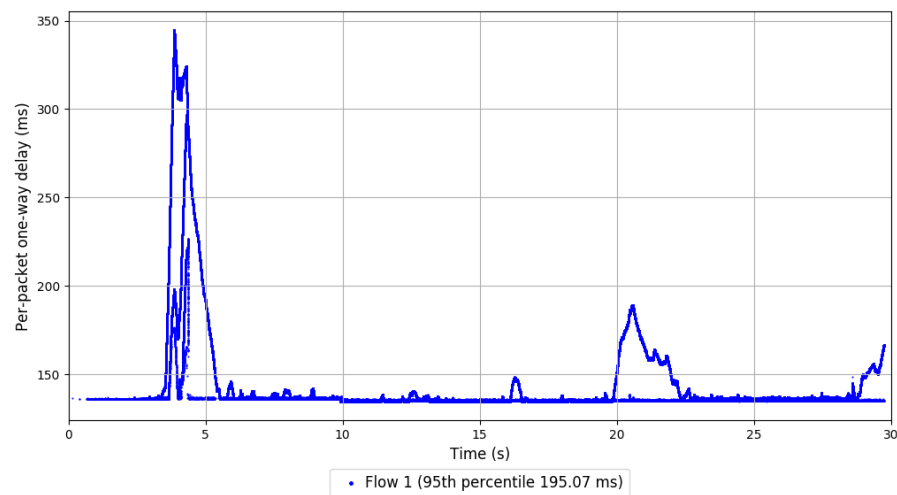
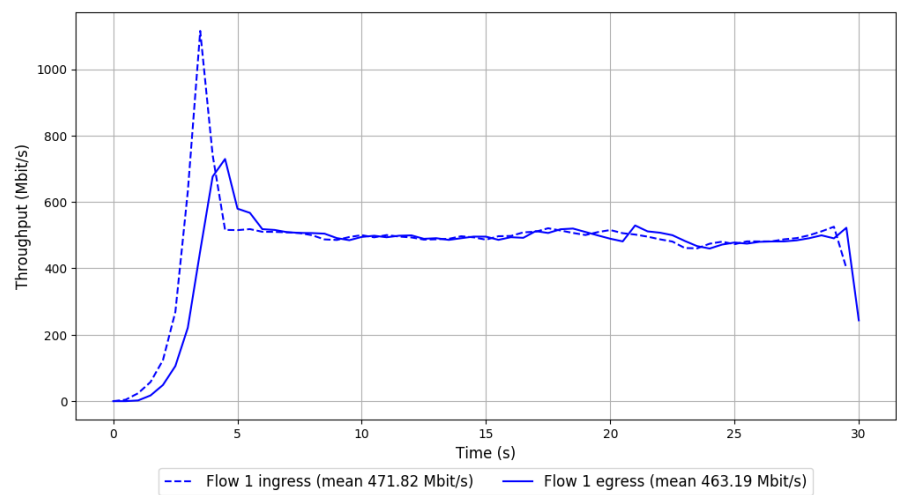


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-05 00:17:20
End at: 2018-07-05 00:17:50
Local clock offset: -0.085 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-07-05 04:01:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 463.19 Mbit/s
95th percentile per-packet one-way delay: 195.071 ms
Loss rate: 2.73%
-- Flow 1:
Average throughput: 463.19 Mbit/s
95th percentile per-packet one-way delay: 195.071 ms
Loss rate: 2.73%

Run 4: Report of PCC-Allegro — Data Link

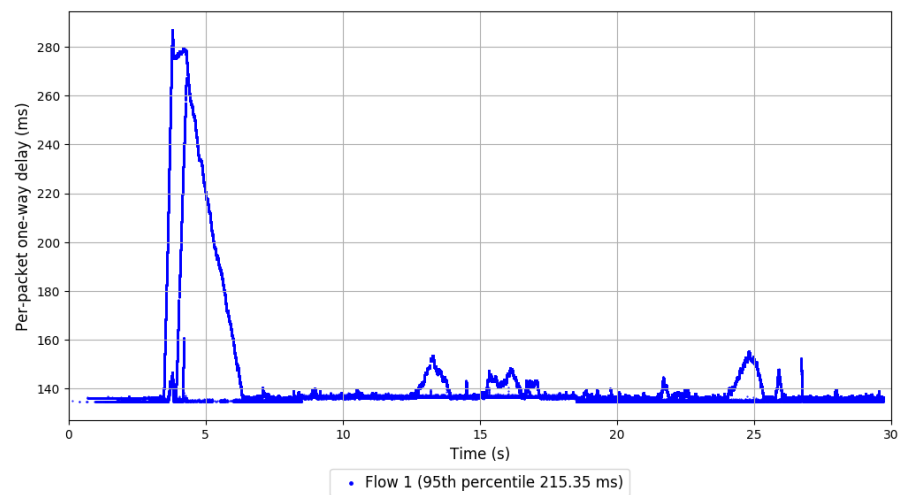
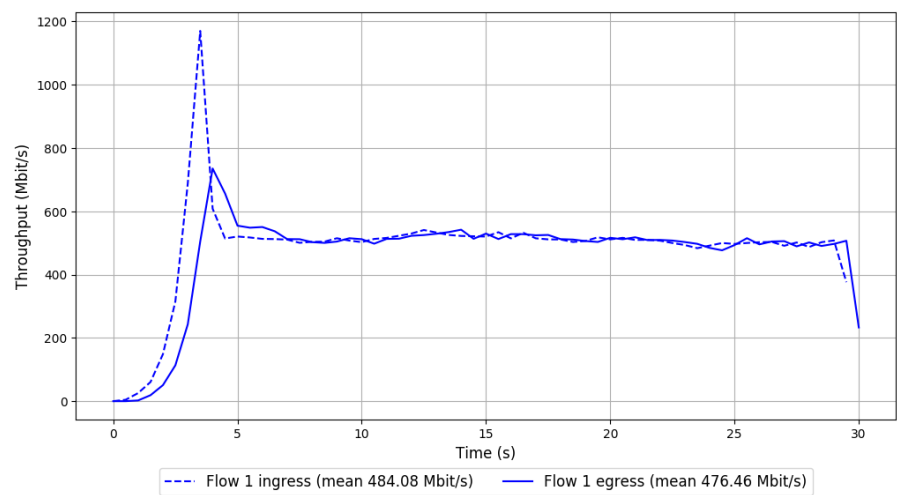


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-05 00:40:21
End at: 2018-07-05 00:40:51
Local clock offset: 0.097 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-05 04:03:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 476.46 Mbit/s
95th percentile per-packet one-way delay: 215.351 ms
Loss rate: 2.47%
-- Flow 1:
Average throughput: 476.46 Mbit/s
95th percentile per-packet one-way delay: 215.351 ms
Loss rate: 2.47%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-05 01:03:22

End at: 2018-07-05 01:03:52

Local clock offset: -0.185 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-07-05 04:03:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 483.07 Mbit/s

95th percentile per-packet one-way delay: 215.729 ms

Loss rate: 2.38%

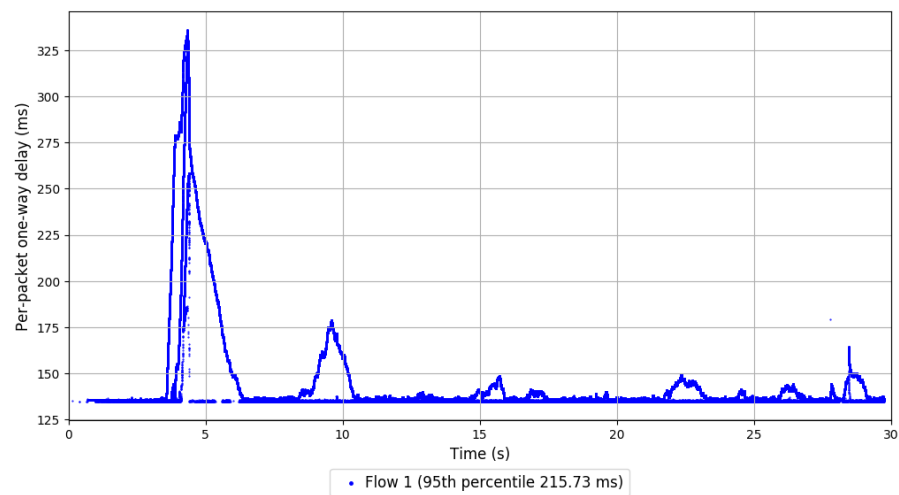
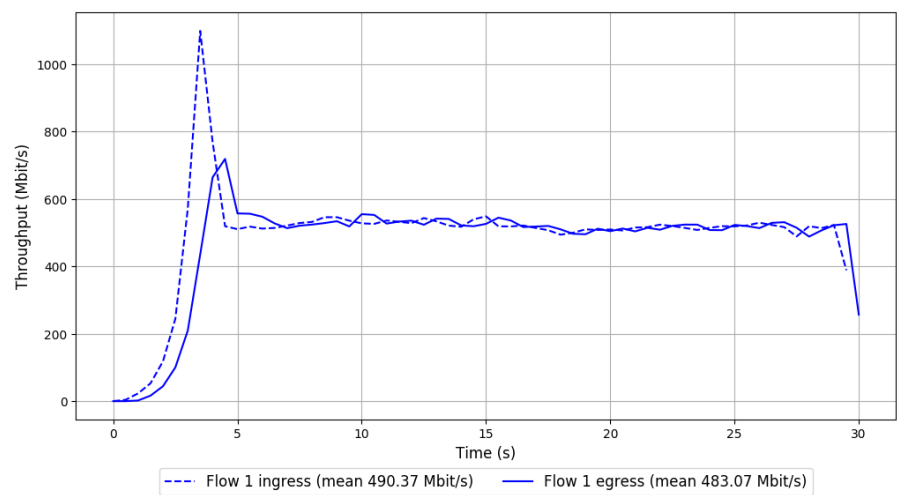
-- Flow 1:

Average throughput: 483.07 Mbit/s

95th percentile per-packet one-way delay: 215.729 ms

Loss rate: 2.38%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-05 01:26:16

End at: 2018-07-05 01:26:46

Local clock offset: -0.045 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-05 04:04:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 475.15 Mbit/s

95th percentile per-packet one-way delay: 211.691 ms

Loss rate: 2.52%

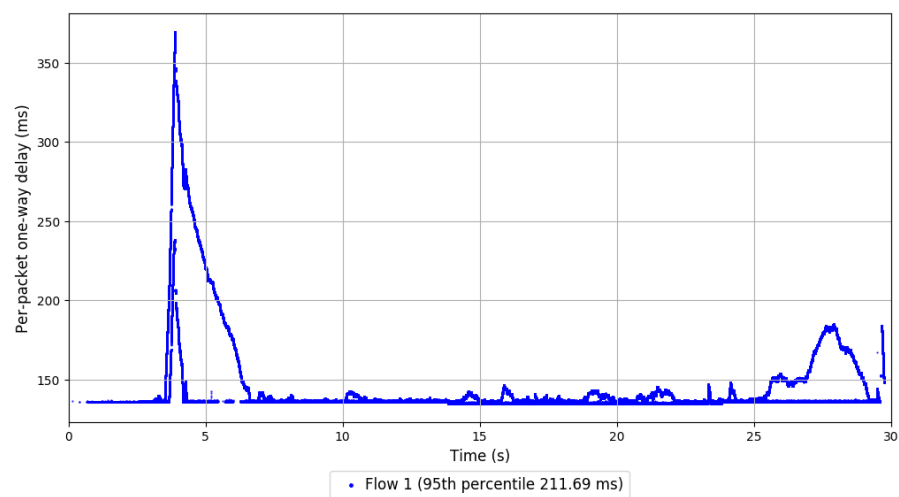
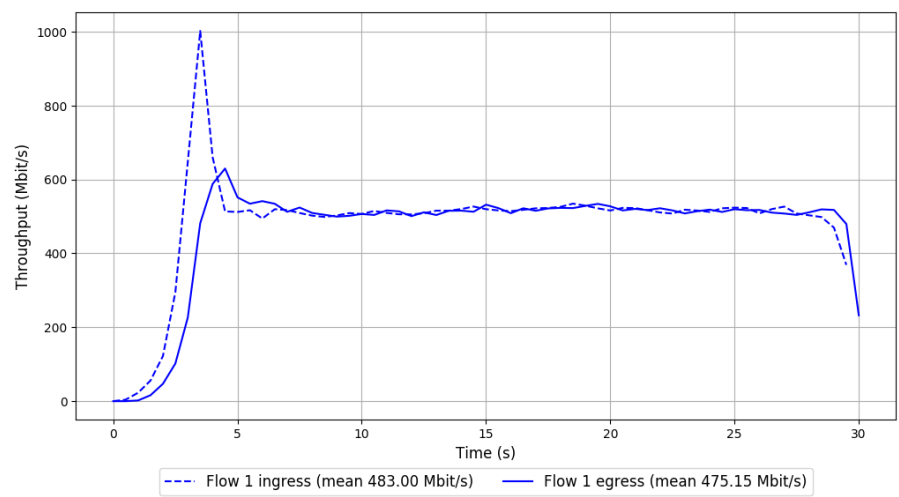
-- Flow 1:

Average throughput: 475.15 Mbit/s

95th percentile per-packet one-way delay: 211.691 ms

Loss rate: 2.52%

Run 7: Report of PCC-Allegro — Data Link

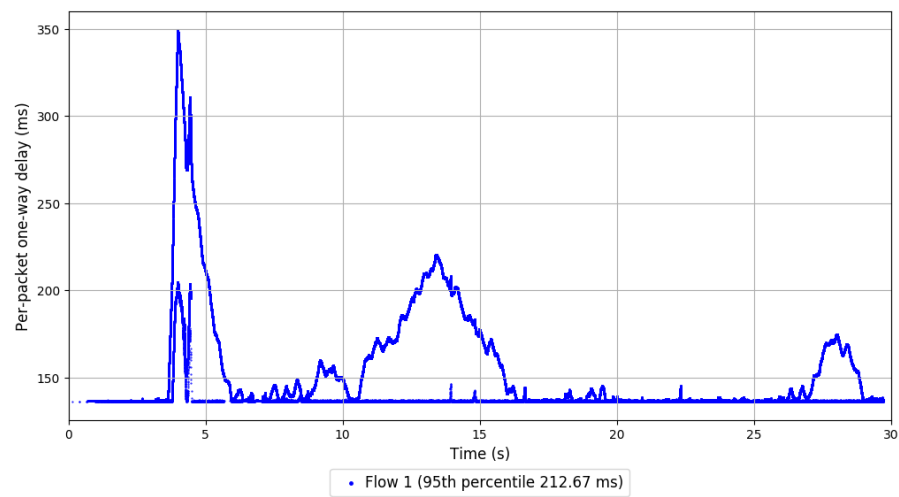
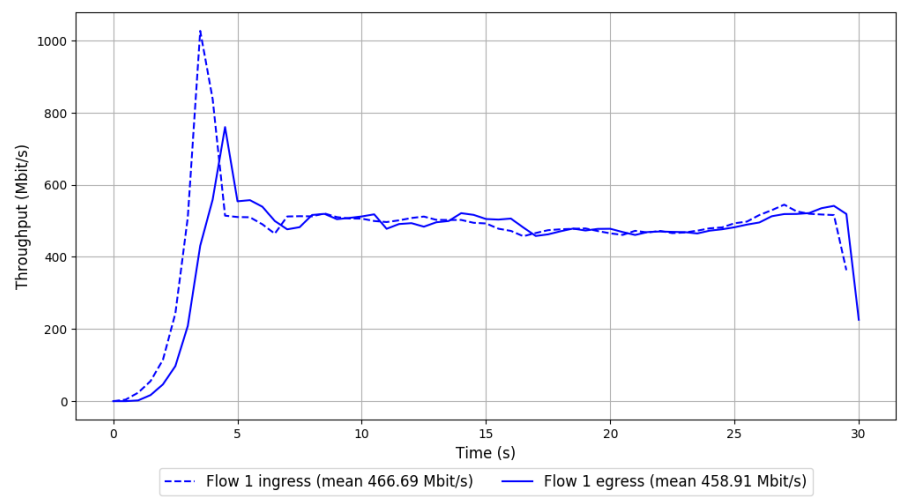


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-05 01:49:30
End at: 2018-07-05 01:50:00
Local clock offset: 0.028 ms
Remote clock offset: -0.403 ms

Below is generated by plot.py at 2018-07-05 04:04:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 458.91 Mbit/s
95th percentile per-packet one-way delay: 212.666 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 458.91 Mbit/s
95th percentile per-packet one-way delay: 212.666 ms
Loss rate: 2.57%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-05 02:12:03

End at: 2018-07-05 02:12:33

Local clock offset: -0.065 ms

Remote clock offset: 0.247 ms

Below is generated by plot.py at 2018-07-05 04:07:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 463.18 Mbit/s

95th percentile per-packet one-way delay: 227.541 ms

Loss rate: 2.83%

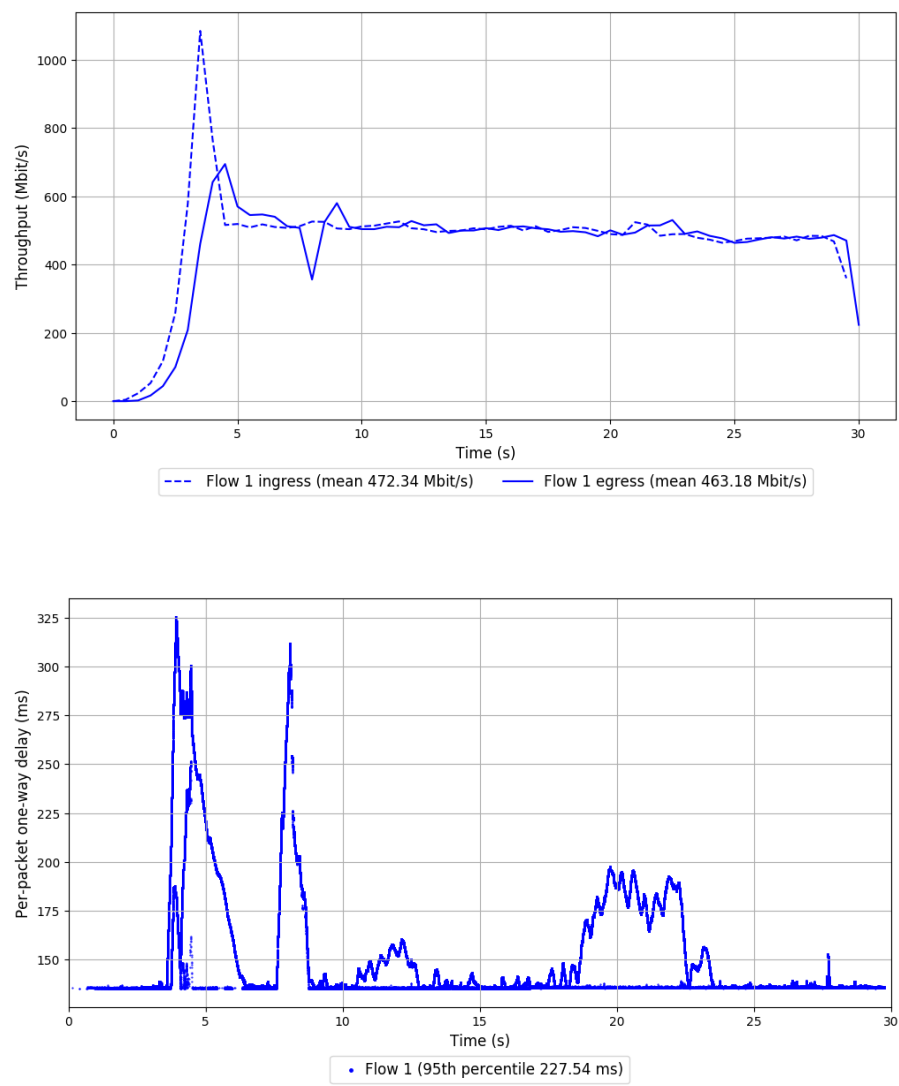
-- Flow 1:

Average throughput: 463.18 Mbit/s

95th percentile per-packet one-way delay: 227.541 ms

Loss rate: 2.83%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-05 02:34:36

End at: 2018-07-05 02:35:06

Local clock offset: 0.016 ms

Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-07-05 04:07:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 471.41 Mbit/s

95th percentile per-packet one-way delay: 272.153 ms

Loss rate: 3.44%

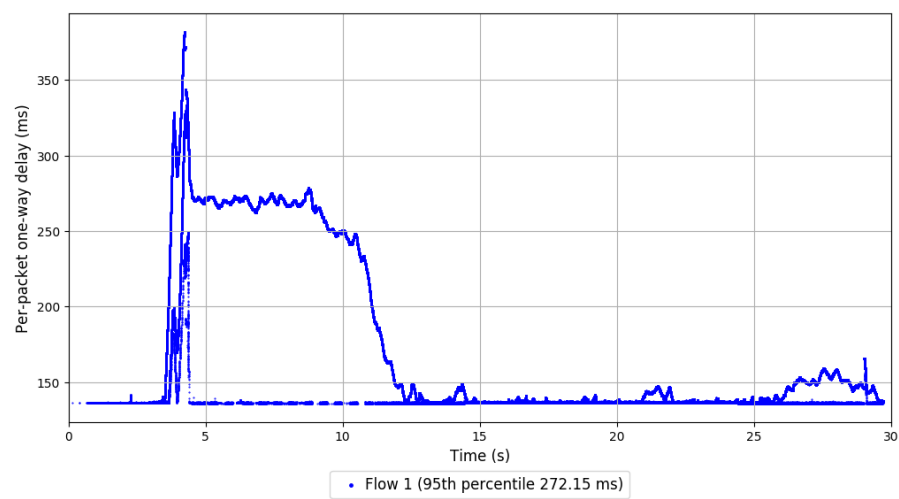
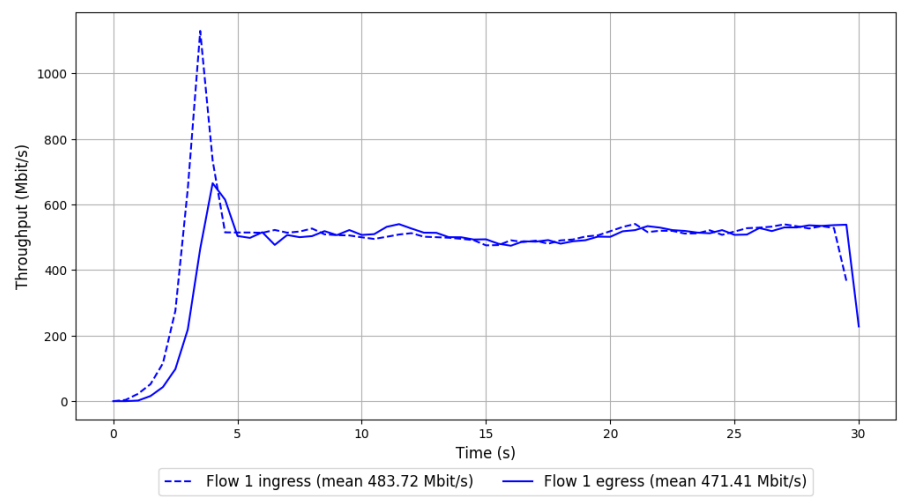
-- Flow 1:

Average throughput: 471.41 Mbit/s

95th percentile per-packet one-way delay: 272.153 ms

Loss rate: 3.44%

Run 10: Report of PCC-Allegro — Data Link

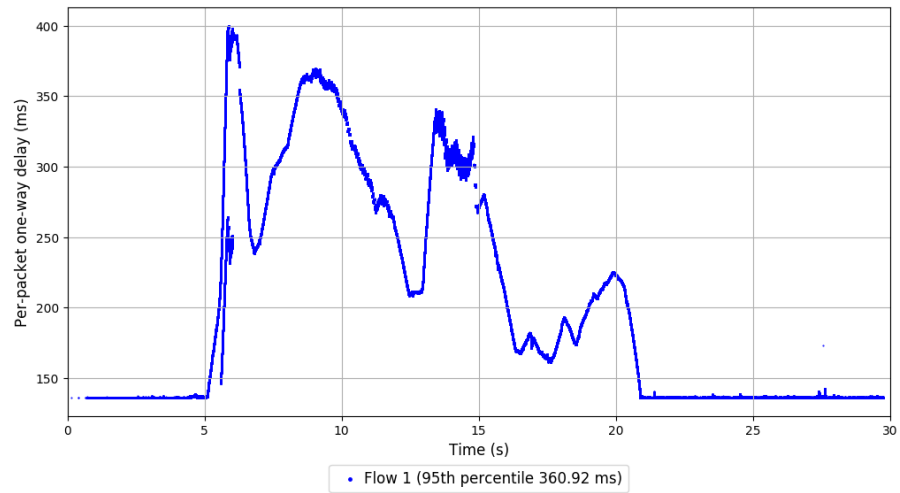
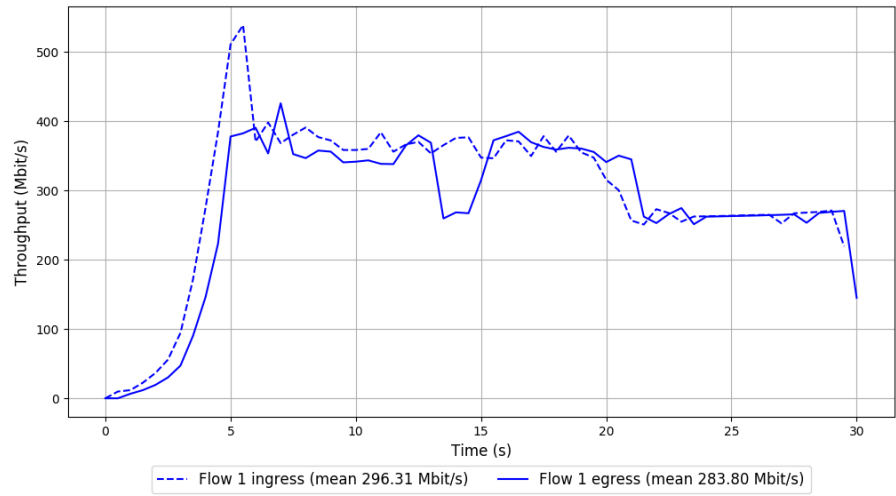


Run 1: Statistics of PCC-Expr

Start at: 2018-07-04 23:13:23
End at: 2018-07-04 23:13:53
Local clock offset: -0.142 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2018-07-05 04:10:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 283.80 Mbit/s
95th percentile per-packet one-way delay: 360.917 ms
Loss rate: 5.09%
-- Flow 1:
Average throughput: 283.80 Mbit/s
95th percentile per-packet one-way delay: 360.917 ms
Loss rate: 5.09%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-07-04 23:35:49

End at: 2018-07-04 23:36:20

Local clock offset: -0.118 ms

Remote clock offset: -0.5 ms

Below is generated by plot.py at 2018-07-05 04:12:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 298.25 Mbit/s

95th percentile per-packet one-way delay: 291.479 ms

Loss rate: 6.55%

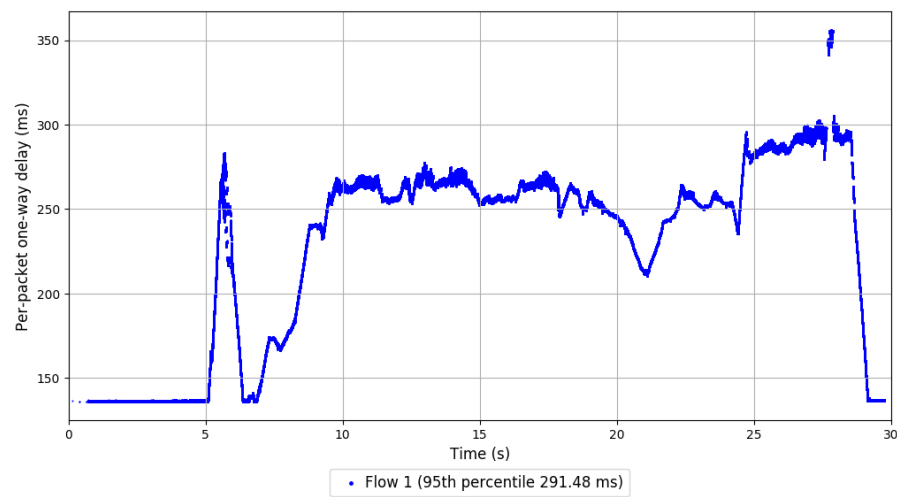
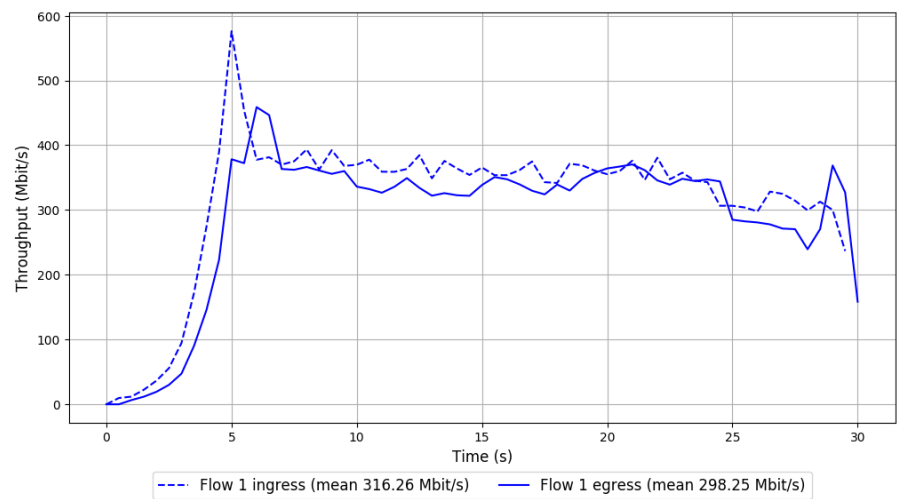
-- Flow 1:

Average throughput: 298.25 Mbit/s

95th percentile per-packet one-way delay: 291.479 ms

Loss rate: 6.55%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-04 23:58:55

End at: 2018-07-04 23:59:25

Local clock offset: 0.127 ms

Remote clock offset: 0.212 ms

Below is generated by plot.py at 2018-07-05 04:12:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.77 Mbit/s

95th percentile per-packet one-way delay: 269.999 ms

Loss rate: 4.32%

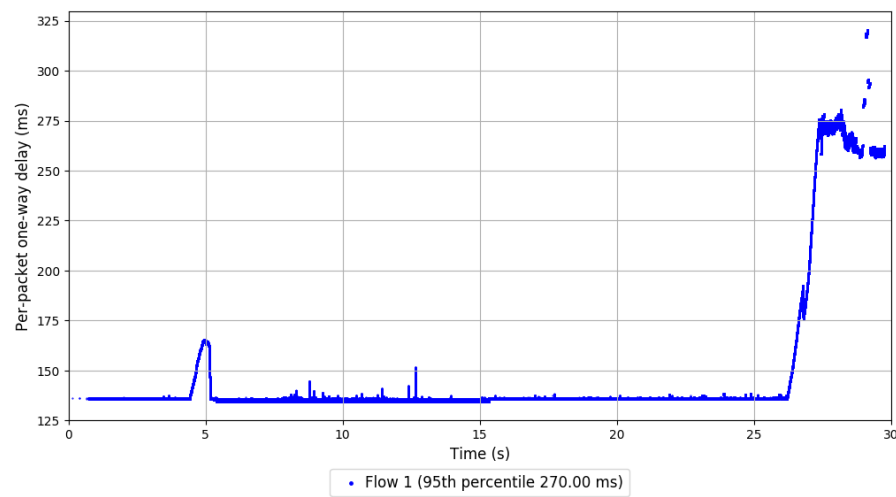
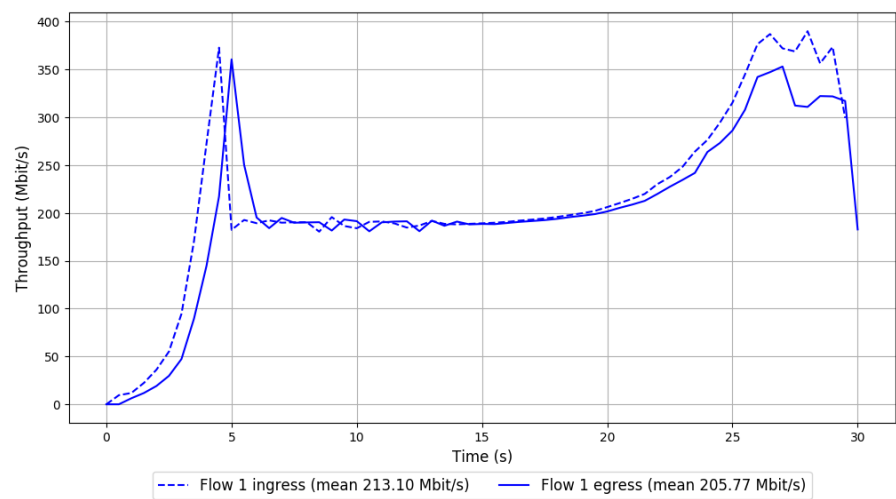
-- Flow 1:

Average throughput: 205.77 Mbit/s

95th percentile per-packet one-way delay: 269.999 ms

Loss rate: 4.32%

Run 3: Report of PCC-Expr — Data Link

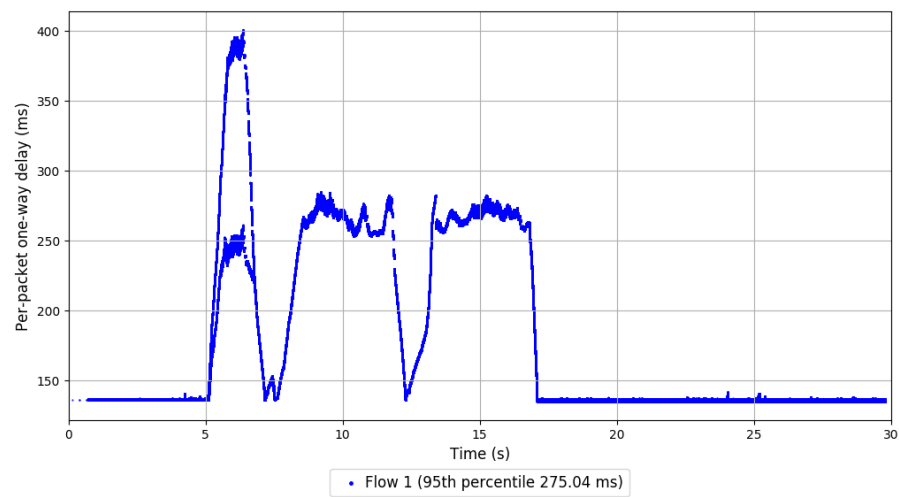
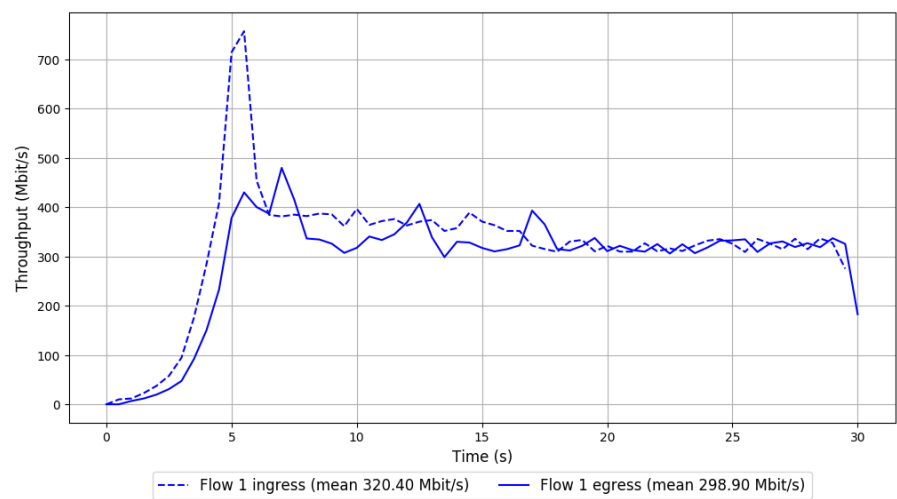


Run 4: Statistics of PCC-Expr

Start at: 2018-07-05 00:21:23
End at: 2018-07-05 00:21:53
Local clock offset: -0.046 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-07-05 04:14:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 298.90 Mbit/s
95th percentile per-packet one-way delay: 275.039 ms
Loss rate: 7.56%
-- Flow 1:
Average throughput: 298.90 Mbit/s
95th percentile per-packet one-way delay: 275.039 ms
Loss rate: 7.56%

Run 4: Report of PCC-Expr — Data Link

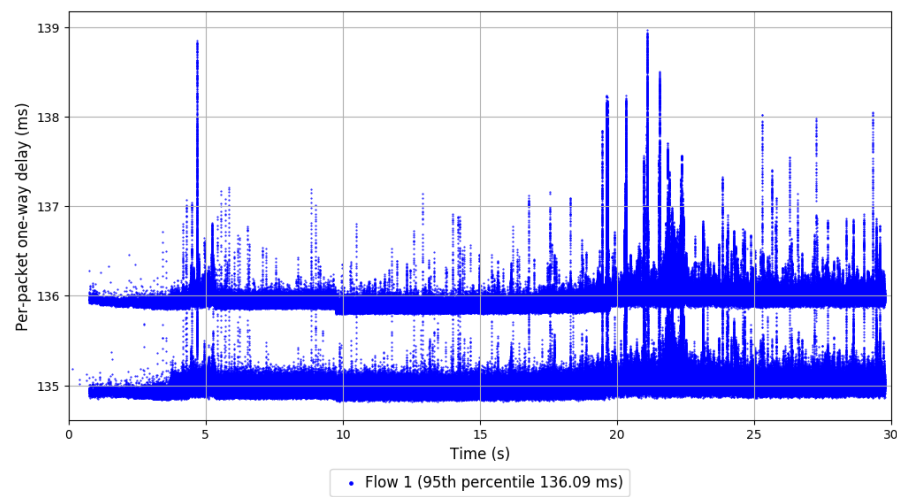
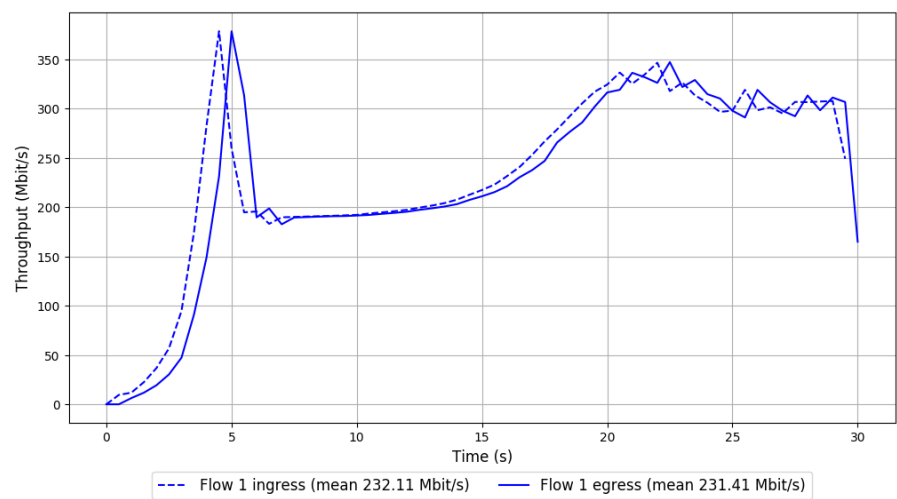


Run 5: Statistics of PCC-Expr

Start at: 2018-07-05 00:44:30
End at: 2018-07-05 00:45:00
Local clock offset: -0.055 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-07-05 04:14:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 231.41 Mbit/s
95th percentile per-packet one-way delay: 136.087 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 231.41 Mbit/s
95th percentile per-packet one-way delay: 136.087 ms
Loss rate: 1.21%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-05 01:07:24

End at: 2018-07-05 01:07:54

Local clock offset: 0.131 ms

Remote clock offset: -0.39 ms

Below is generated by plot.py at 2018-07-05 04:14:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 239.03 Mbit/s

95th percentile per-packet one-way delay: 262.748 ms

Loss rate: 1.73%

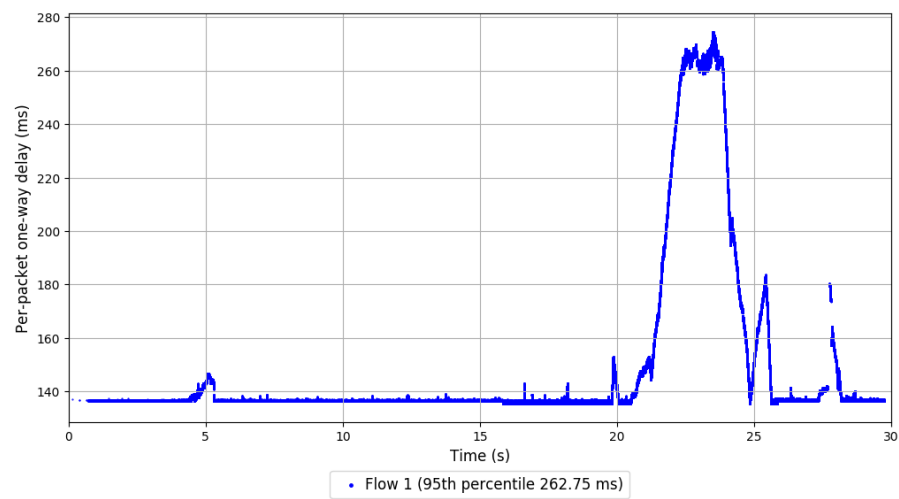
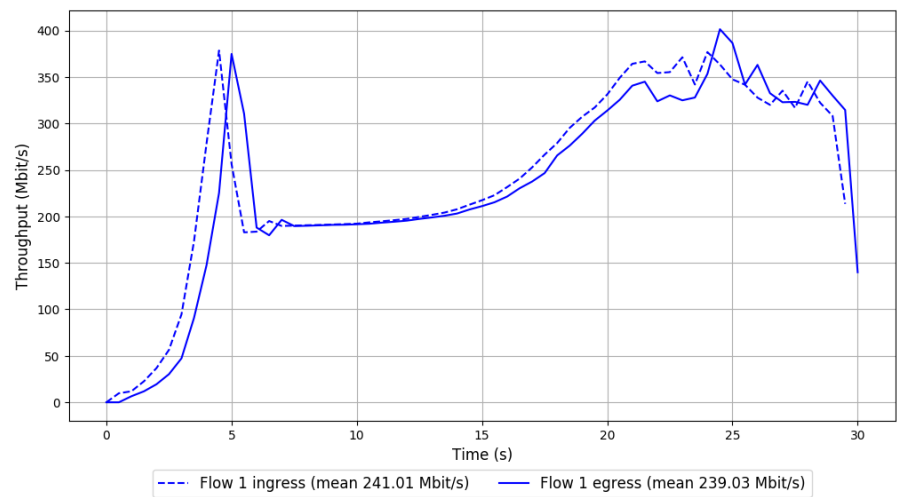
-- Flow 1:

Average throughput: 239.03 Mbit/s

95th percentile per-packet one-way delay: 262.748 ms

Loss rate: 1.73%

Run 6: Report of PCC-Expr — Data Link

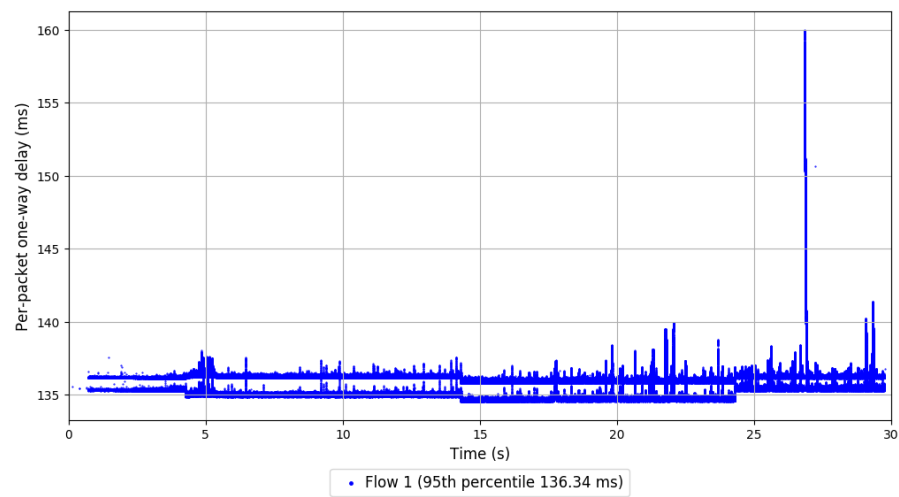
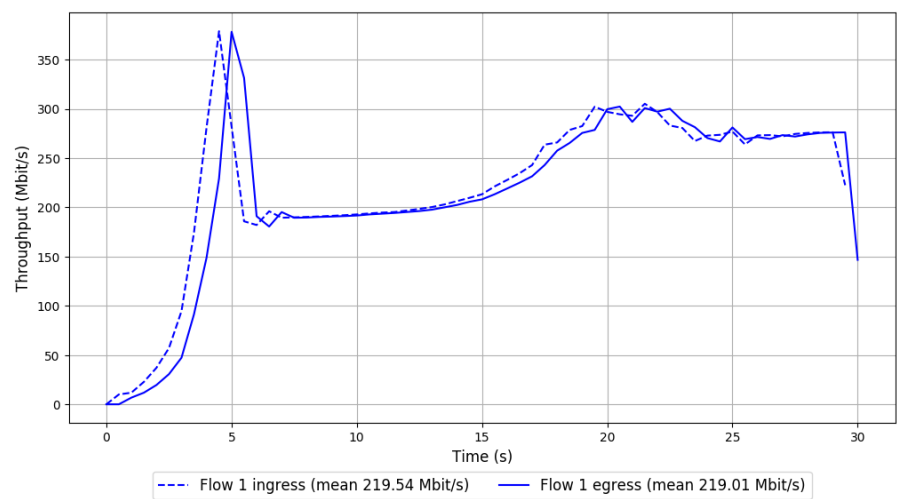


Run 7: Statistics of PCC-Expr

Start at: 2018-07-05 01:30:16
End at: 2018-07-05 01:30:46
Local clock offset: -0.04 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-05 04:15:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.01 Mbit/s
95th percentile per-packet one-way delay: 136.343 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 219.01 Mbit/s
95th percentile per-packet one-way delay: 136.343 ms
Loss rate: 1.15%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-05 01:53:28

End at: 2018-07-05 01:53:58

Local clock offset: -0.107 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-07-05 04:15:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.44 Mbit/s

95th percentile per-packet one-way delay: 136.288 ms

Loss rate: 1.12%

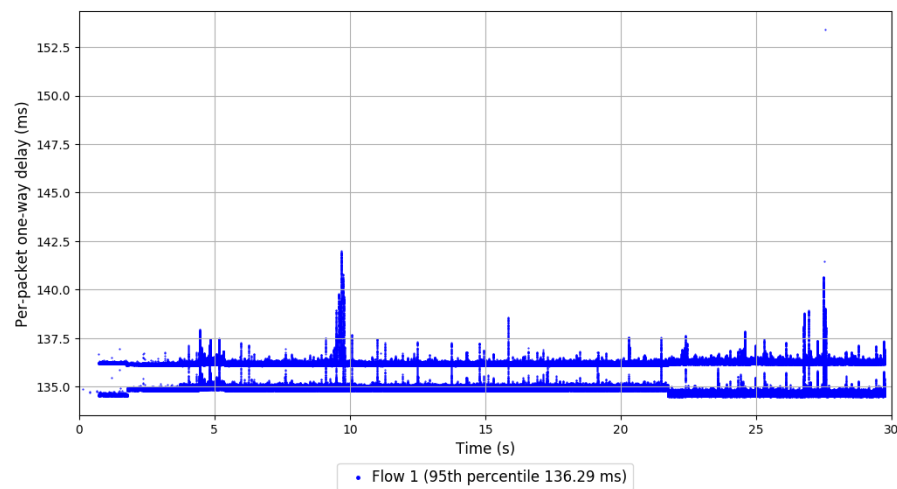
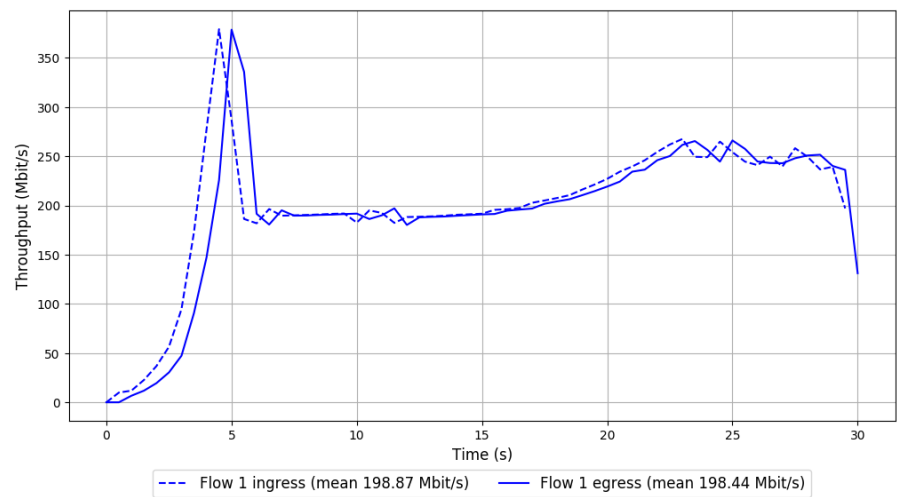
-- Flow 1:

Average throughput: 198.44 Mbit/s

95th percentile per-packet one-way delay: 136.288 ms

Loss rate: 1.12%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-05 02:16:05

End at: 2018-07-05 02:16:36

Local clock offset: -0.14 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-07-05 04:18:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 243.45 Mbit/s

95th percentile per-packet one-way delay: 268.672 ms

Loss rate: 2.33%

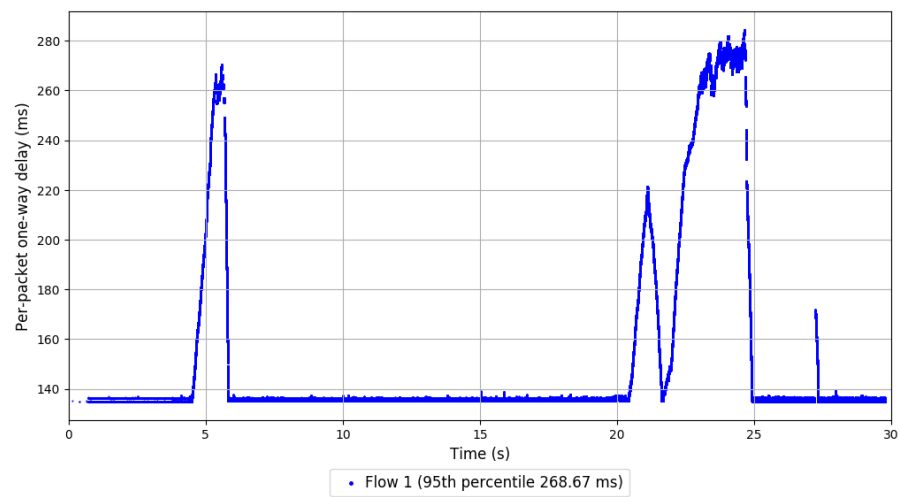
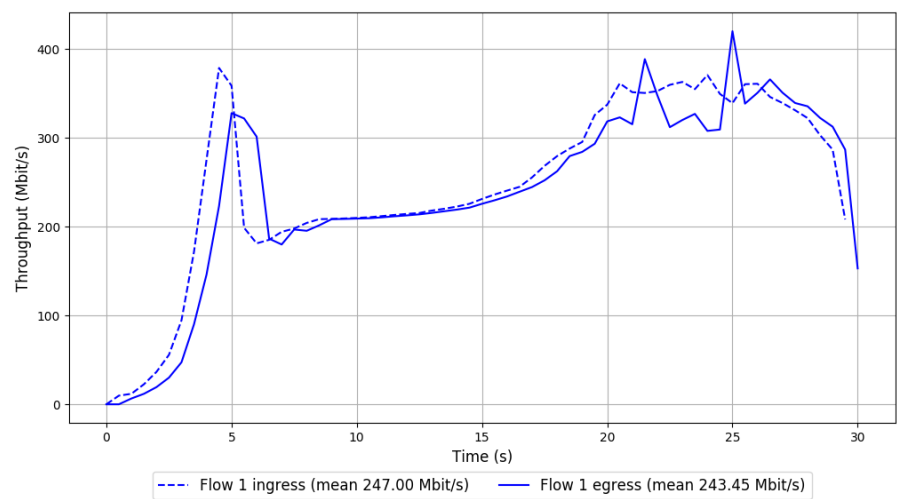
-- Flow 1:

Average throughput: 243.45 Mbit/s

95th percentile per-packet one-way delay: 268.672 ms

Loss rate: 2.33%

Run 9: Report of PCC-Expr — Data Link

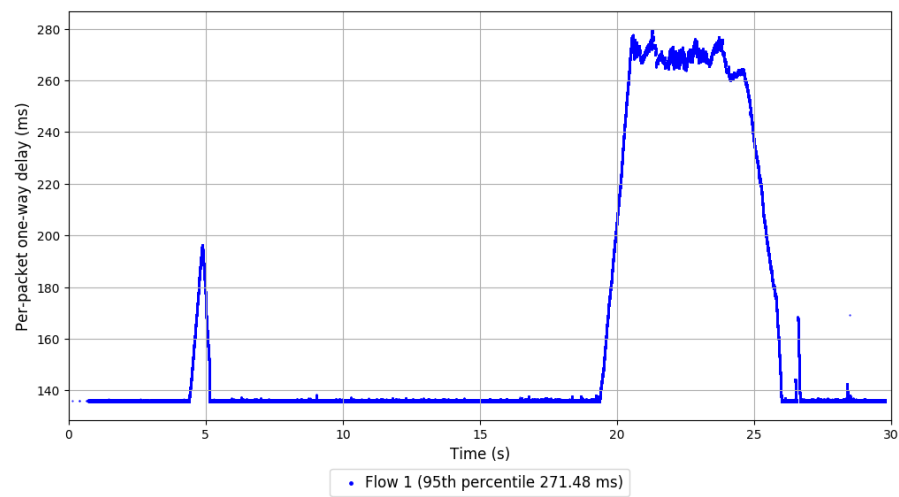
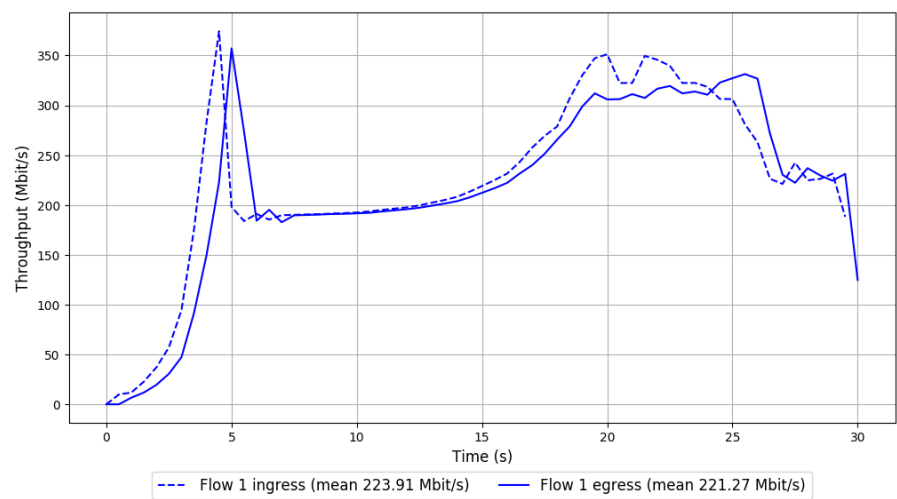


Run 10: Statistics of PCC-Expr

Start at: 2018-07-05 02:38:40
End at: 2018-07-05 02:39:10
Local clock offset: -0.014 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-05 04:18:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.27 Mbit/s
95th percentile per-packet one-way delay: 271.481 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 221.27 Mbit/s
95th percentile per-packet one-way delay: 271.481 ms
Loss rate: 2.08%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

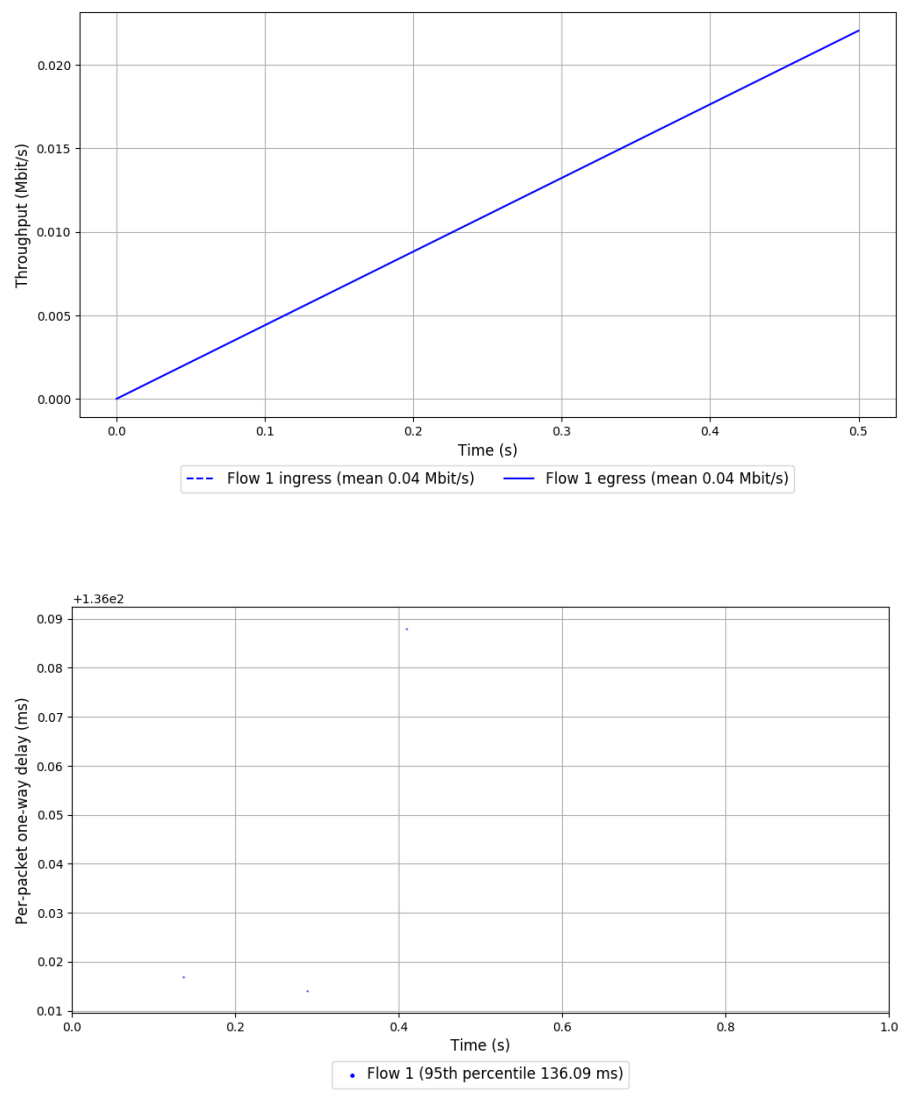
Start at: 2018-07-04 23:08:14

End at: 2018-07-04 23:08:44

Local clock offset: -0.027 ms

Remote clock offset: -0.116 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

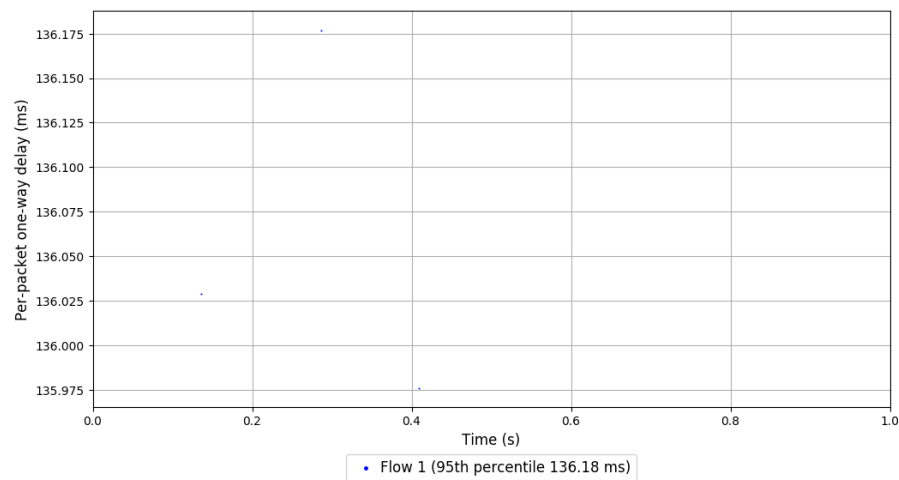
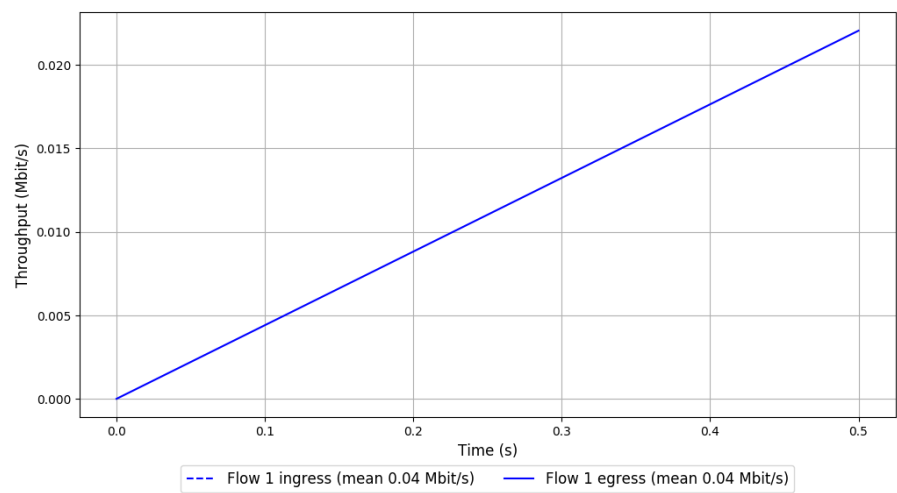
Start at: 2018-07-04 23:30:43

End at: 2018-07-04 23:31:13

Local clock offset: -0.339 ms

Remote clock offset: -0.135 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

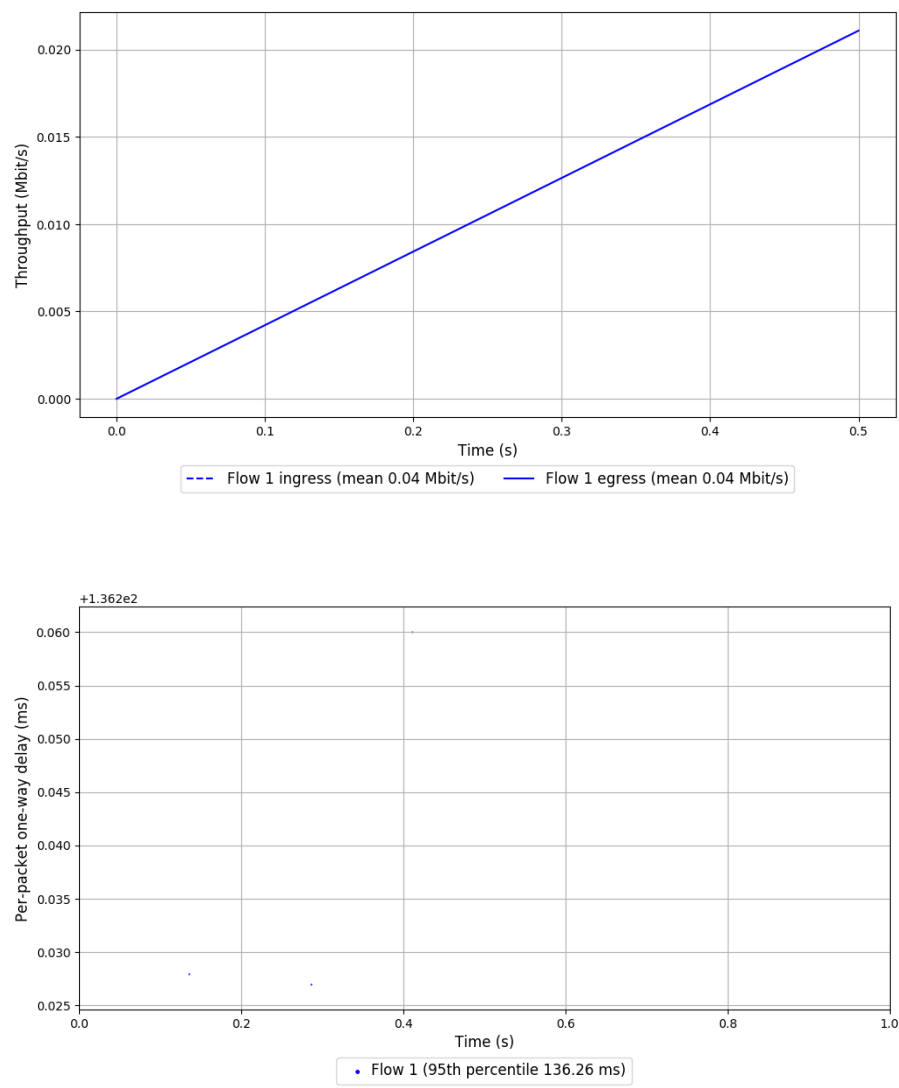
Start at: 2018-07-04 23:53:43

End at: 2018-07-04 23:54:13

Local clock offset: -0.122 ms

Remote clock offset: 0.225 ms

Run 3: Report of QUIC Cubic — Data Link

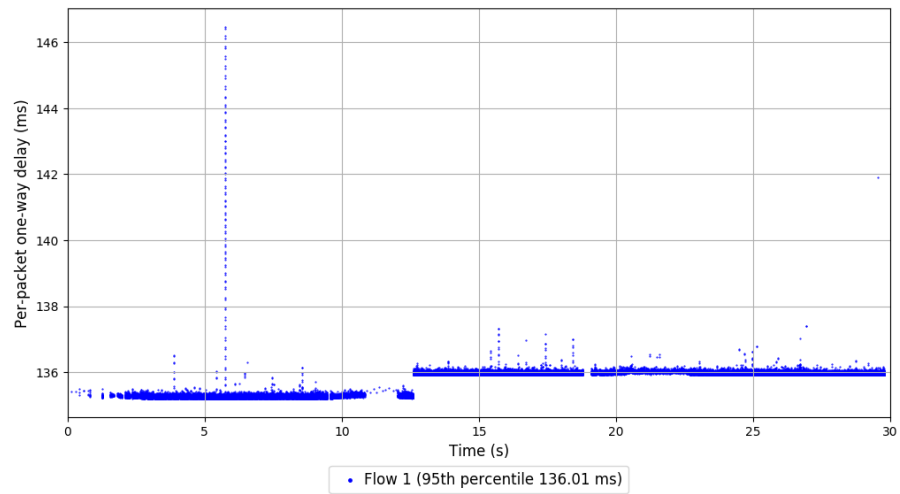
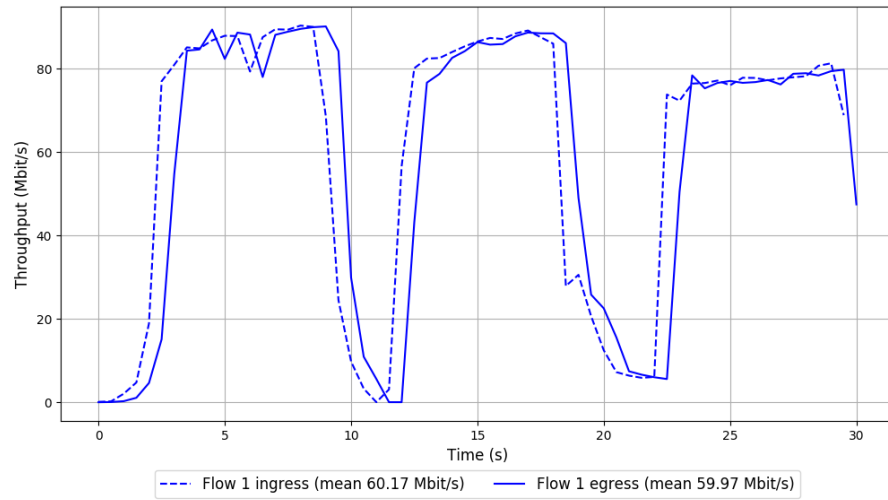


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-05 00:16:07
End at: 2018-07-05 00:16:37
Local clock offset: -0.099 ms
Remote clock offset: -0.488 ms

Below is generated by plot.py at 2018-07-05 04:18:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.97 Mbit/s
95th percentile per-packet one-way delay: 136.011 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 59.97 Mbit/s
95th percentile per-packet one-way delay: 136.011 ms
Loss rate: 1.23%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-05 00:39:09

End at: 2018-07-05 00:39:39

Local clock offset: -0.054 ms

Remote clock offset: -0.415 ms

Below is generated by plot.py at 2018-07-05 04:18:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.66 Mbit/s

95th percentile per-packet one-way delay: 136.669 ms

Loss rate: 1.32%

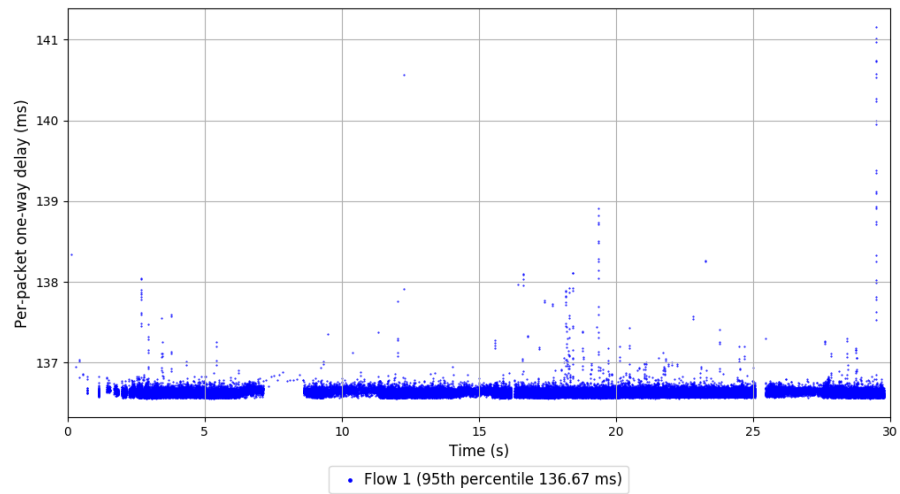
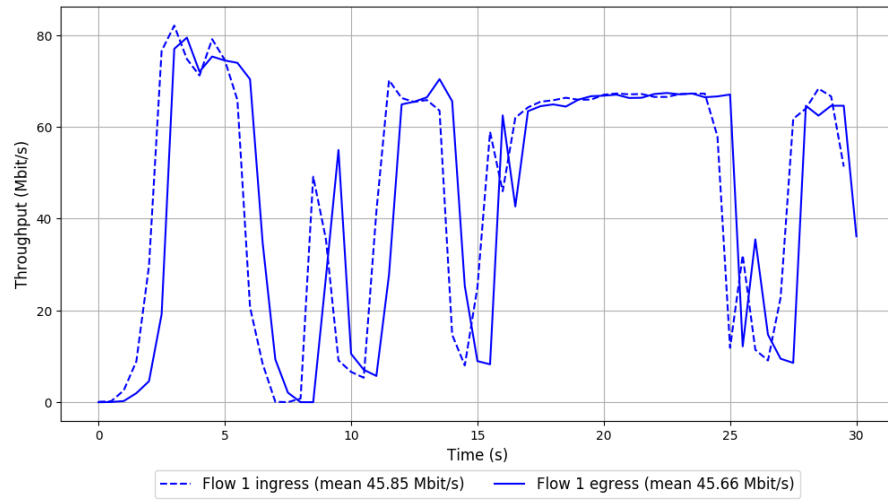
-- Flow 1:

Average throughput: 45.66 Mbit/s

95th percentile per-packet one-way delay: 136.669 ms

Loss rate: 1.32%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

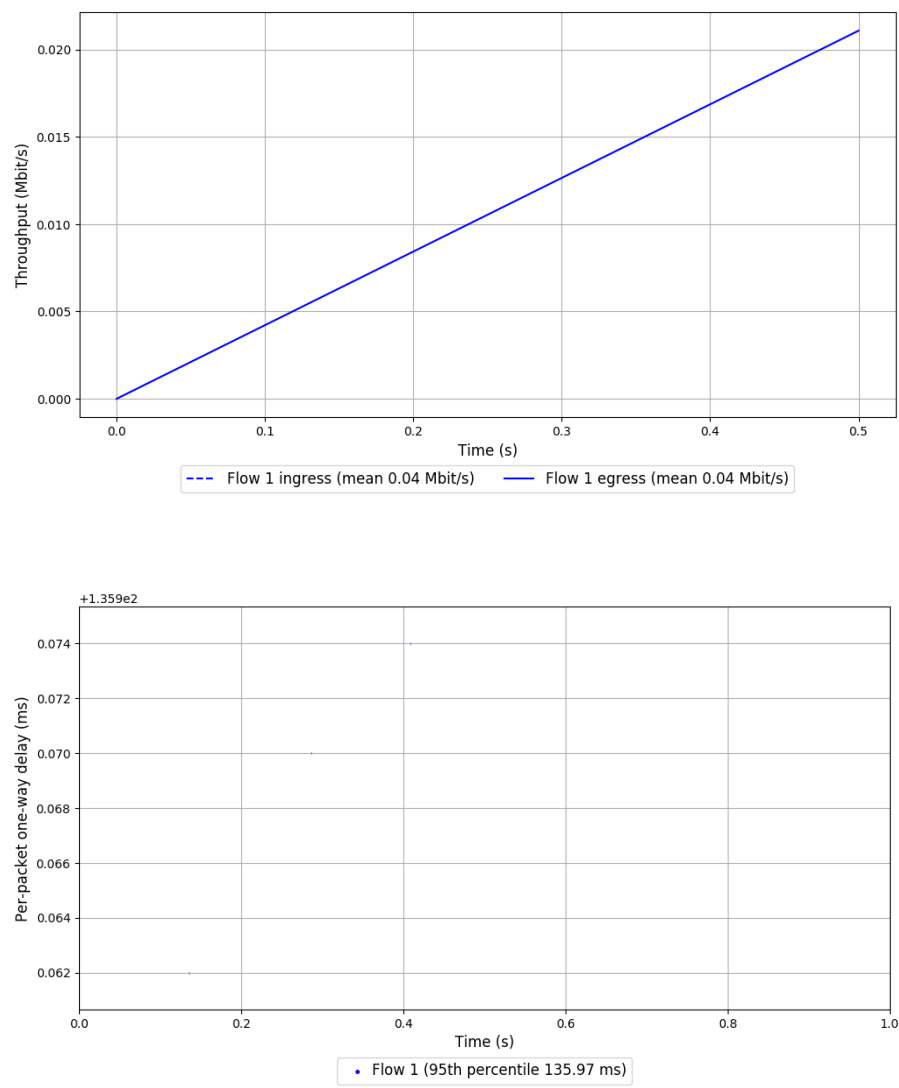
Start at: 2018-07-05 01:02:14

End at: 2018-07-05 01:02:44

Local clock offset: -0.137 ms

Remote clock offset: -0.057 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-05 01:25:04

End at: 2018-07-05 01:25:34

Local clock offset: -0.163 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-07-05 04:18:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.18 Mbit/s

95th percentile per-packet one-way delay: 134.852 ms

Loss rate: 1.58%

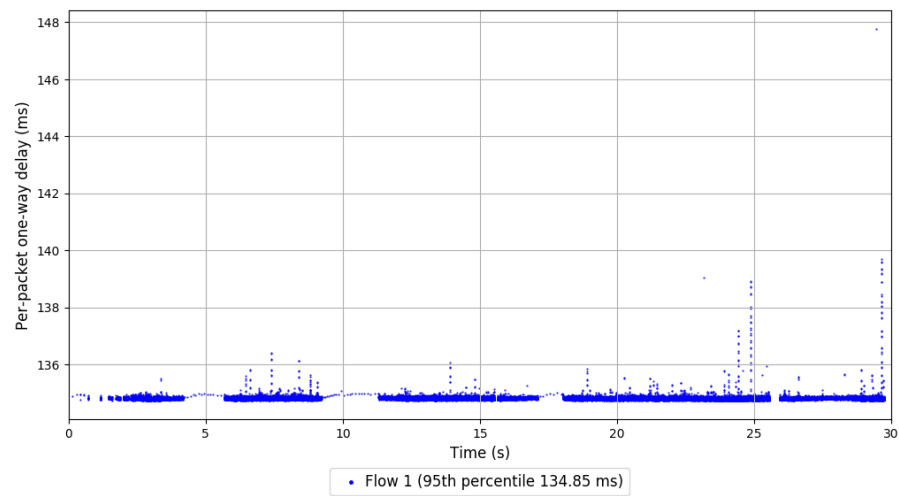
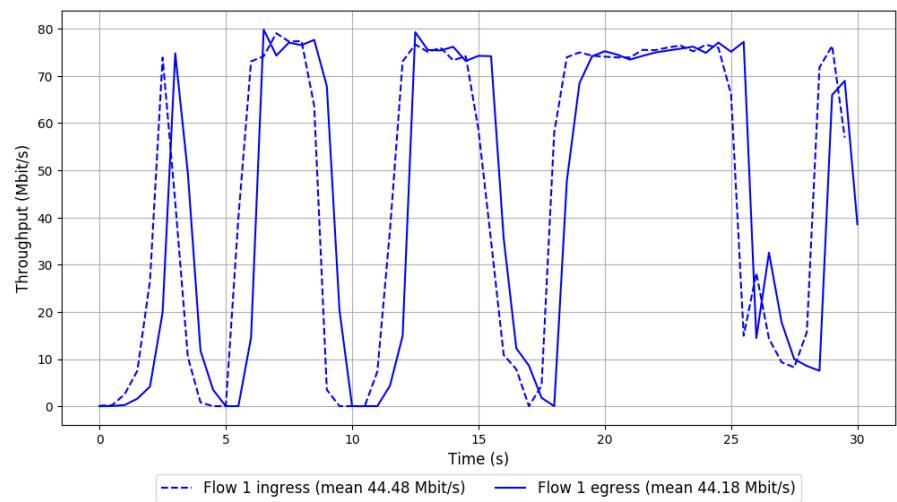
-- Flow 1:

Average throughput: 44.18 Mbit/s

95th percentile per-packet one-way delay: 134.852 ms

Loss rate: 1.58%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-05 01:48:17

End at: 2018-07-05 01:48:47

Local clock offset: 0.01 ms

Remote clock offset: 0.291 ms

Below is generated by plot.py at 2018-07-05 04:18:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.74 Mbit/s

95th percentile per-packet one-way delay: 135.639 ms

Loss rate: 1.18%

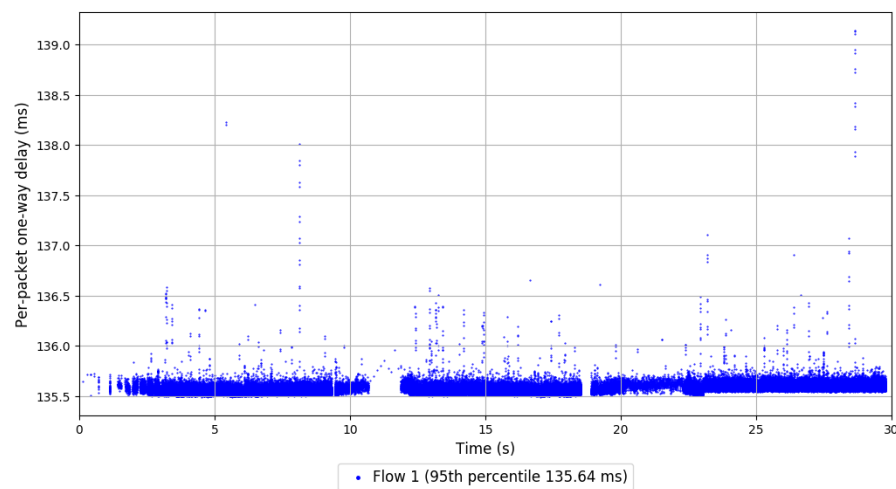
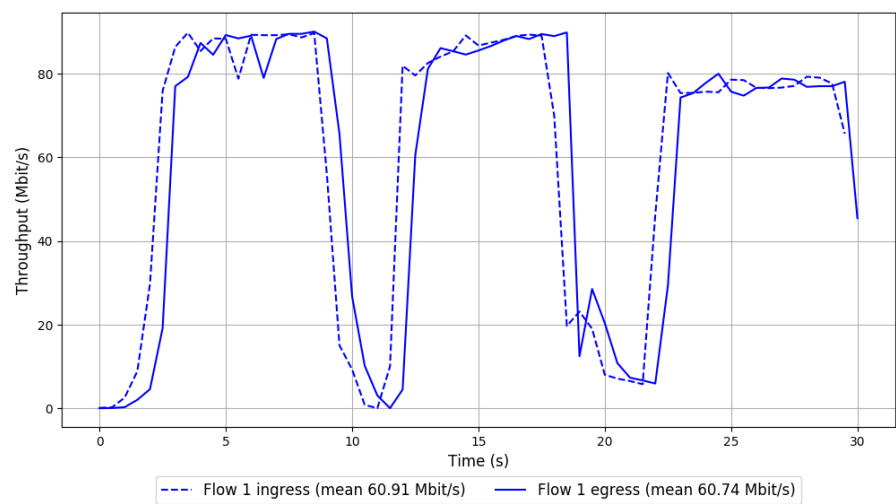
-- Flow 1:

Average throughput: 60.74 Mbit/s

95th percentile per-packet one-way delay: 135.639 ms

Loss rate: 1.18%

Run 8: Report of QUIC Cubic — Data Link

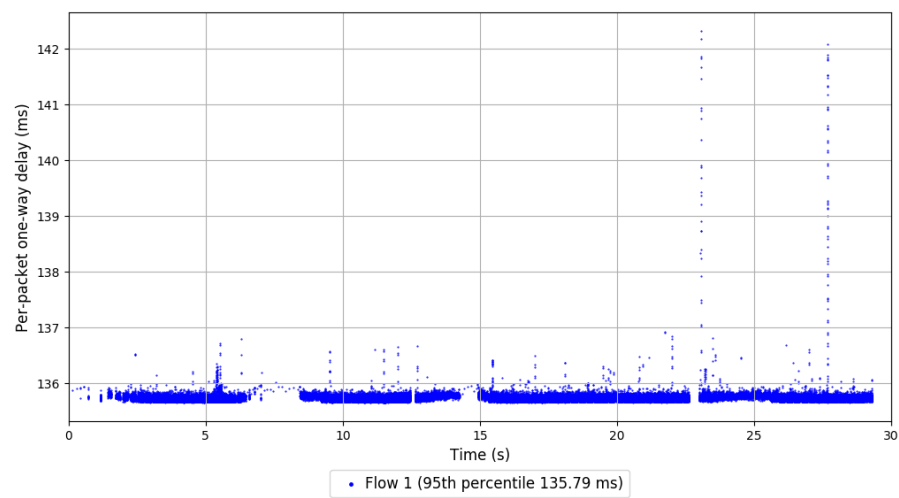
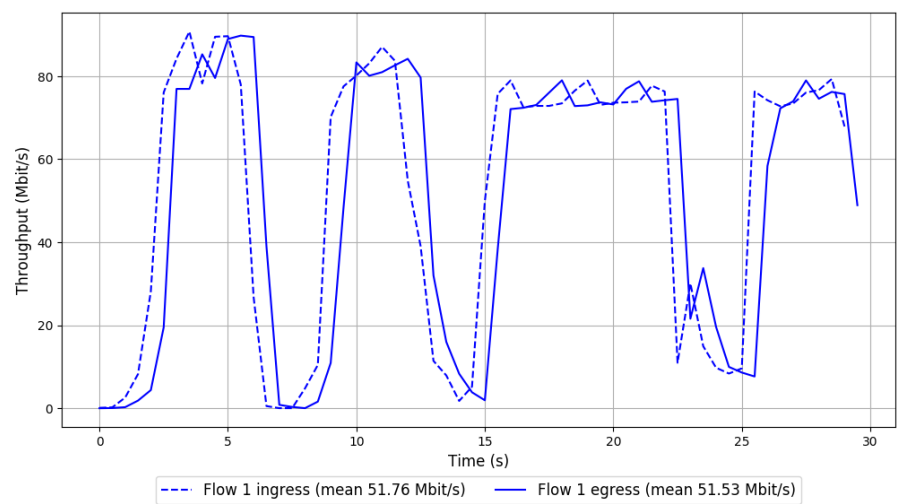


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-05 02:10:51
End at: 2018-07-05 02:11:21
Local clock offset: -0.258 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2018-07-05 04:18:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 51.53 Mbit/s
95th percentile per-packet one-way delay: 135.788 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 51.53 Mbit/s
95th percentile per-packet one-way delay: 135.788 ms
Loss rate: 1.37%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-05 02:33:23

End at: 2018-07-05 02:33:53

Local clock offset: 0.035 ms

Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-05 04:18:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.18 Mbit/s

95th percentile per-packet one-way delay: 136.028 ms

Loss rate: 1.25%

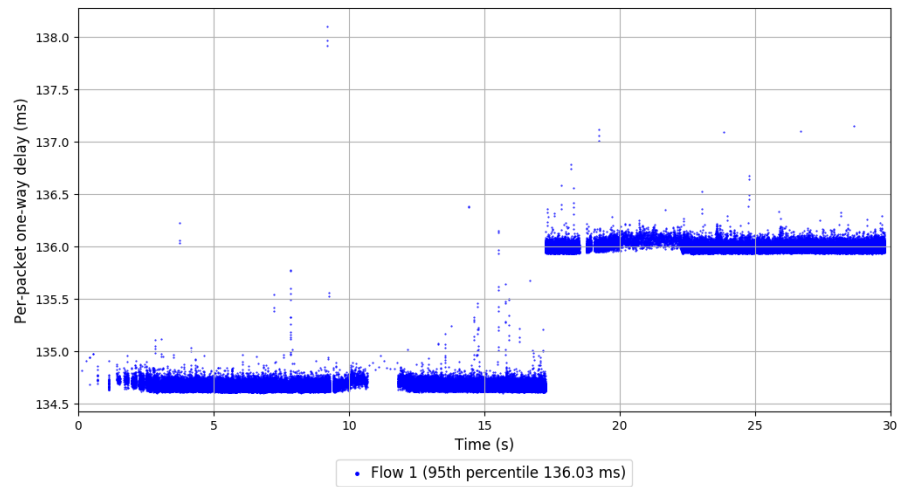
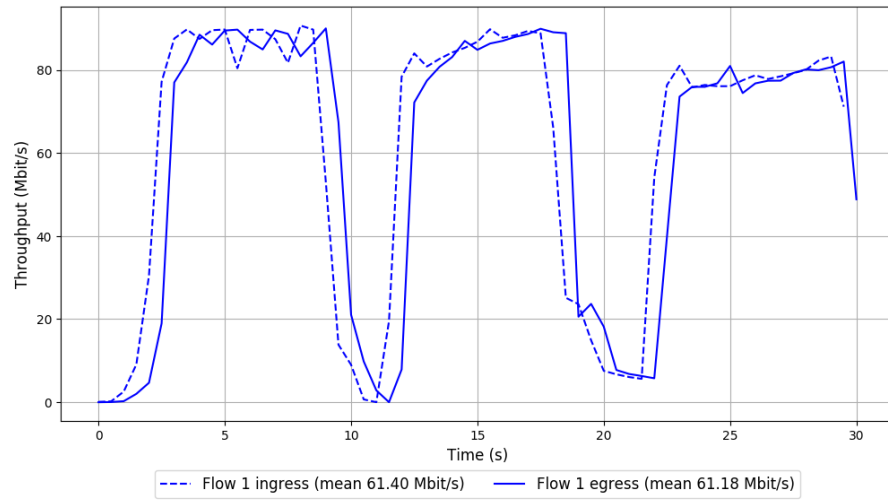
-- Flow 1:

Average throughput: 61.18 Mbit/s

95th percentile per-packet one-way delay: 136.028 ms

Loss rate: 1.25%

Run 10: Report of QUIC Cubic — Data Link

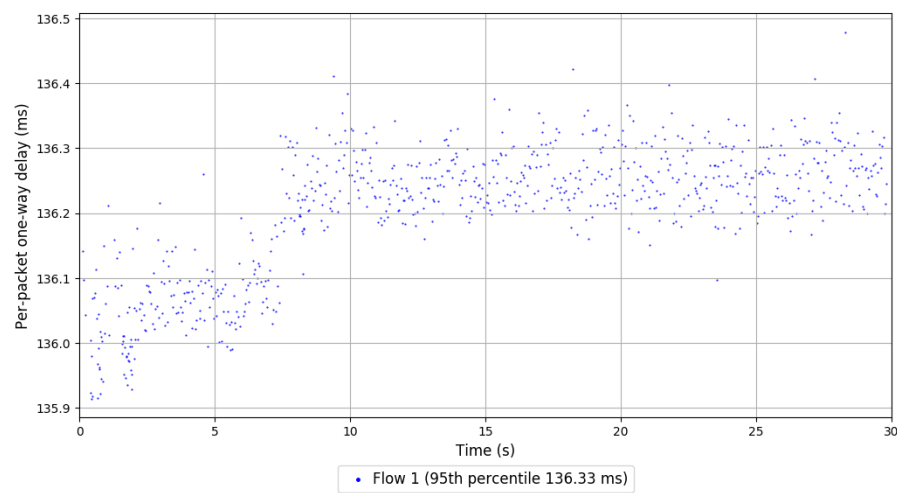
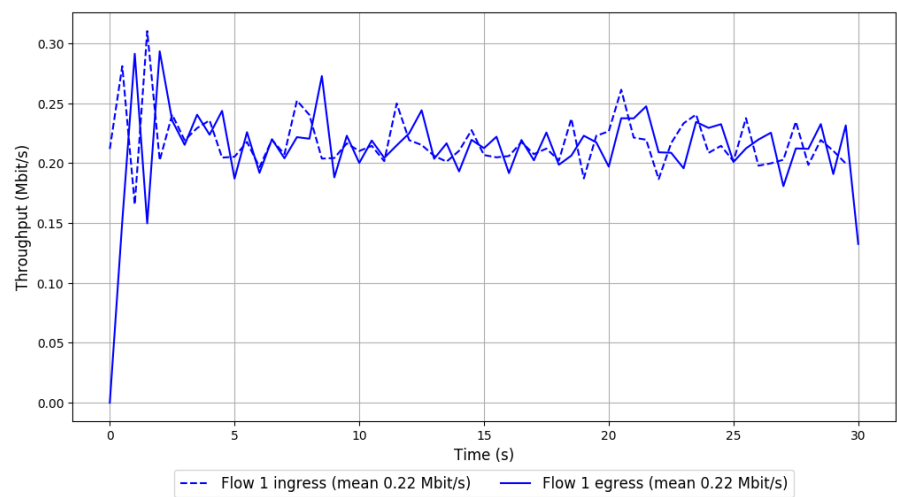


Run 1: Statistics of SCReAM

Start at: 2018-07-04 23:05:53
End at: 2018-07-04 23:06:23
Local clock offset: -0.298 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-07-05 04:18:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.328 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.328 ms
Loss rate: 0.89%

Run 1: Report of SReAM — Data Link

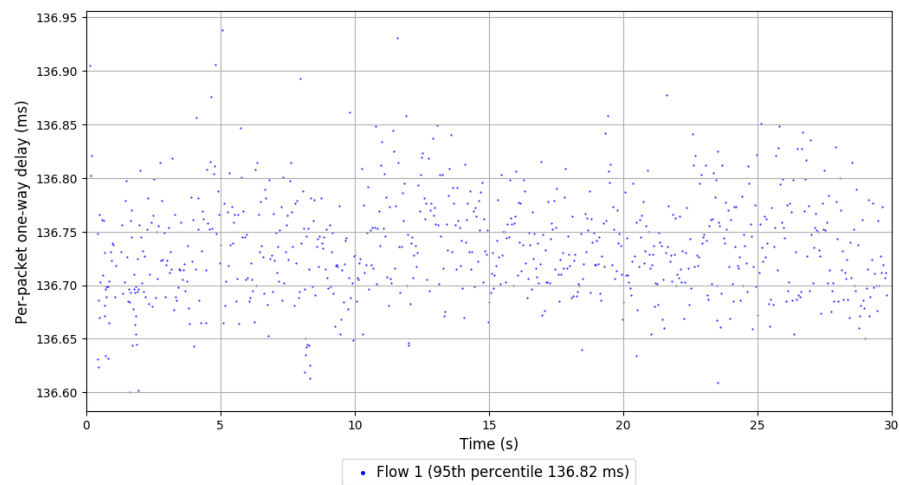
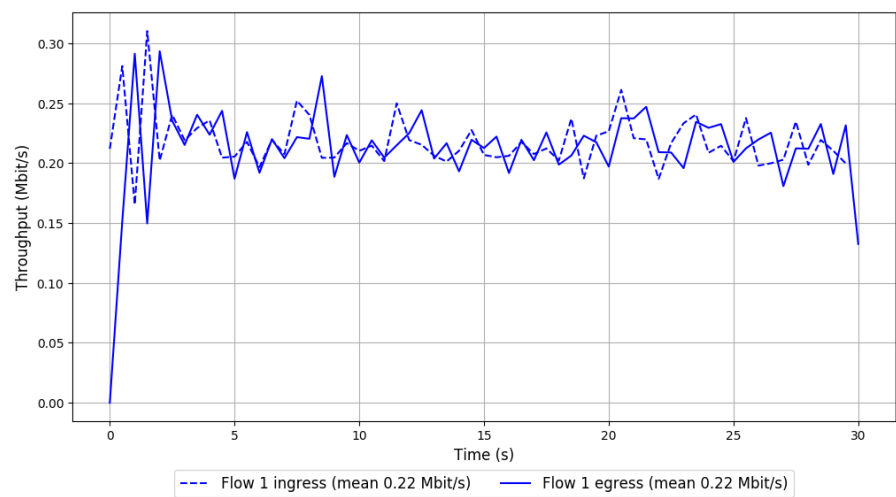


Run 2: Statistics of SCReAM

Start at: 2018-07-04 23:28:21
End at: 2018-07-04 23:28:51
Local clock offset: -0.062 ms
Remote clock offset: -0.532 ms

Below is generated by plot.py at 2018-07-05 04:18:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.817 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.817 ms
Loss rate: 0.89%

Run 2: Report of SReAM — Data Link

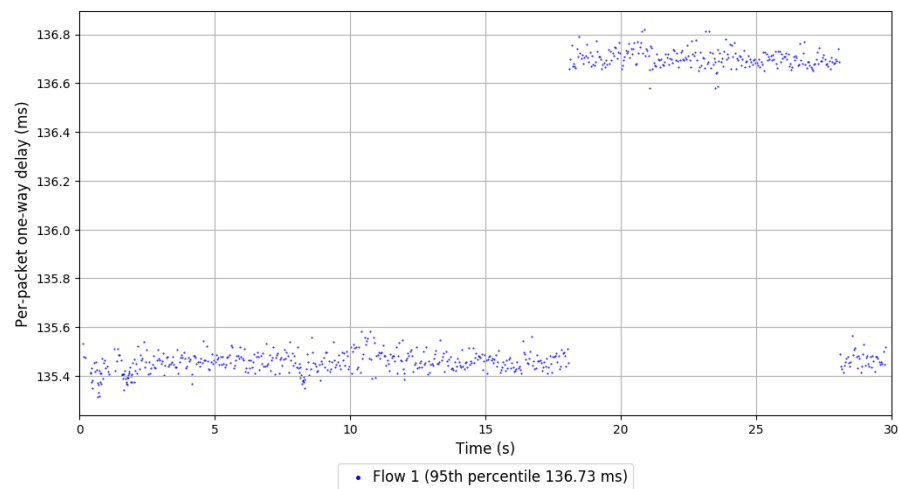
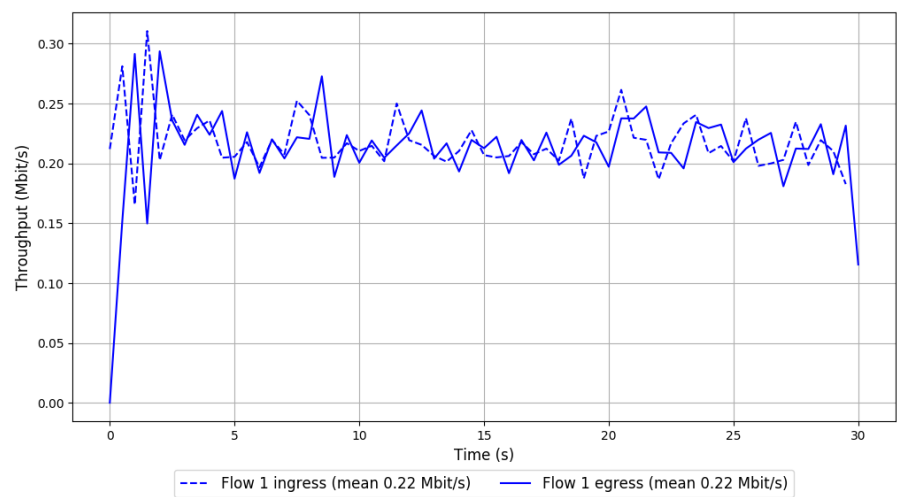


Run 3: Statistics of SCReAM

Start at: 2018-07-04 23:51:22
End at: 2018-07-04 23:51:52
Local clock offset: -0.036 ms
Remote clock offset: -0.516 ms

Below is generated by plot.py at 2018-07-05 04:18:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.733 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.733 ms
Loss rate: 0.89%

Run 3: Report of SReAM — Data Link

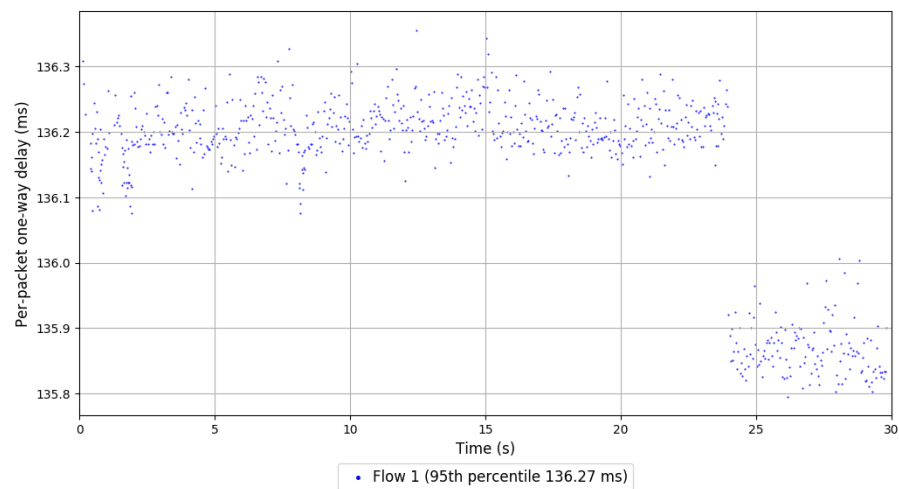
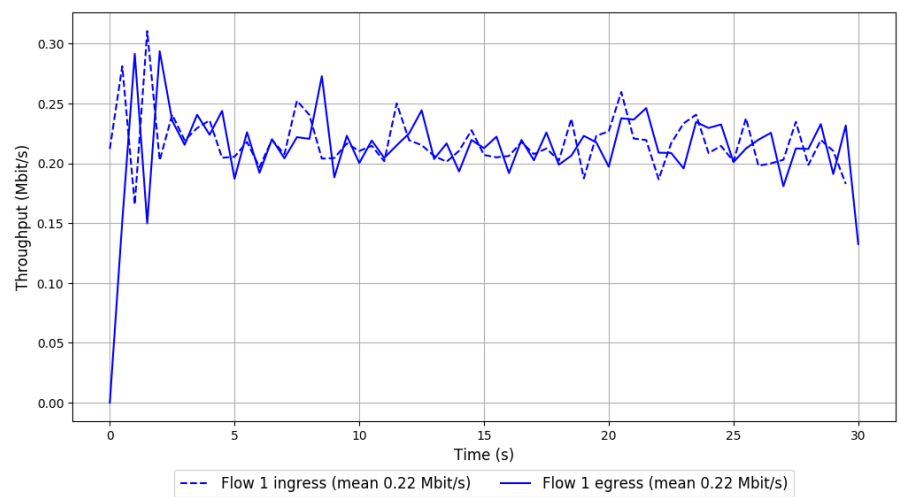


Run 4: Statistics of SCReAM

Start at: 2018-07-05 00:13:46
End at: 2018-07-05 00:14:16
Local clock offset: -0.208 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2018-07-05 04:18:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.270 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.270 ms
Loss rate: 0.76%

Run 4: Report of SReAM — Data Link

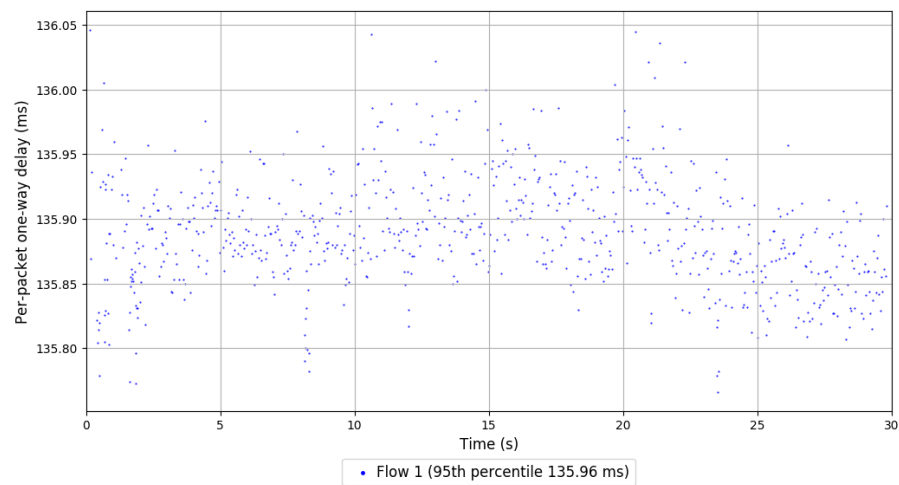
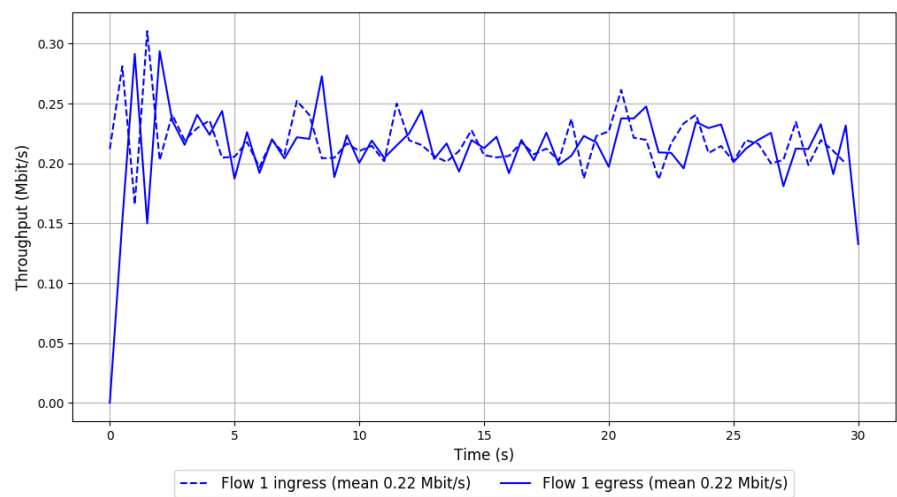


Run 5: Statistics of SCReAM

Start at: 2018-07-05 00:36:48
End at: 2018-07-05 00:37:18
Local clock offset: 0.063 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-05 04:18:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.961 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.961 ms
Loss rate: 0.89%

Run 5: Report of SReAM — Data Link

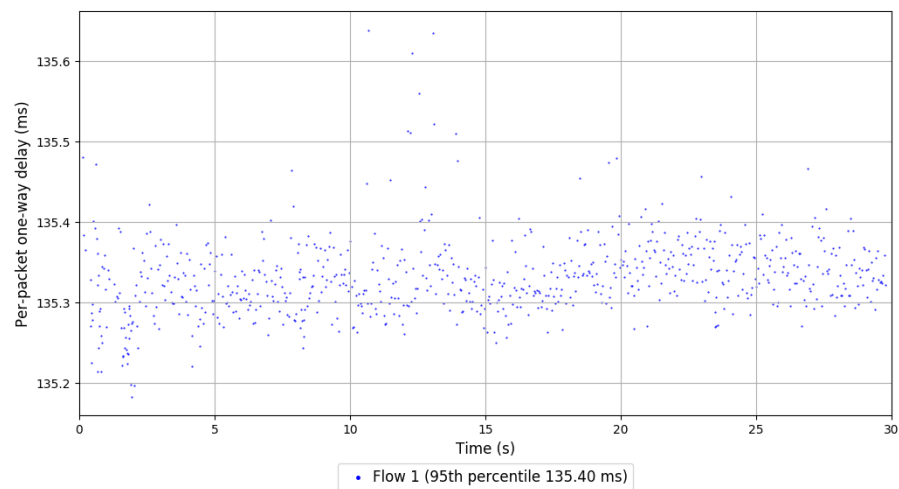
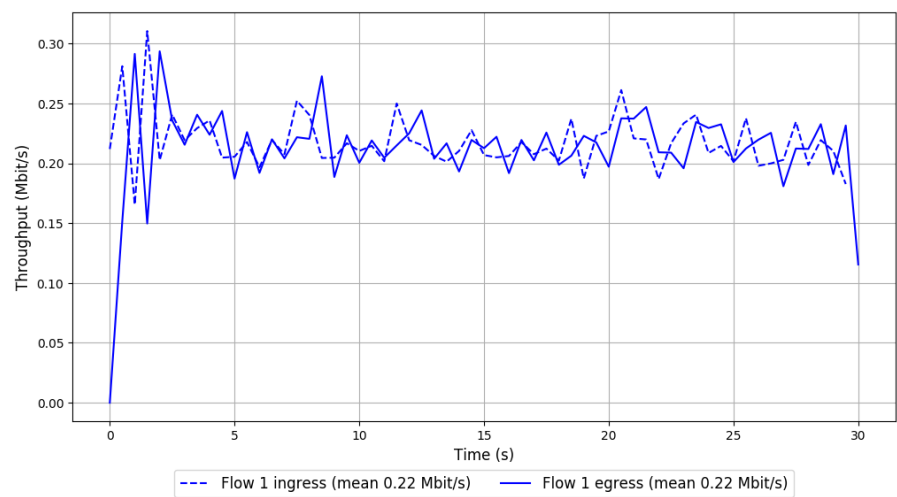


Run 6: Statistics of SCReAM

Start at: 2018-07-05 00:59:52
End at: 2018-07-05 01:00:22
Local clock offset: 0.216 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-05 04:18:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.402 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.402 ms
Loss rate: 0.89%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-07-05 01:22:43

End at: 2018-07-05 01:23:13

Local clock offset: 0.103 ms

Remote clock offset: -0.47 ms

Below is generated by plot.py at 2018-07-05 04:18:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.290 ms

Loss rate: 0.89%

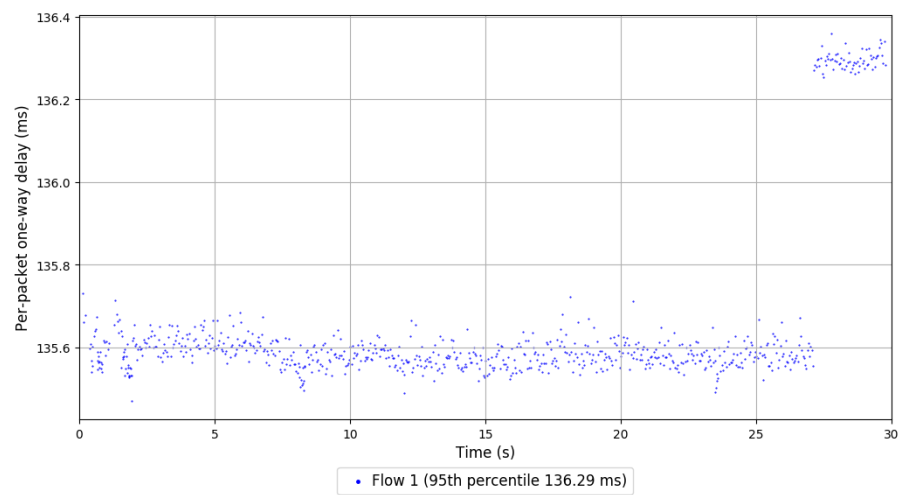
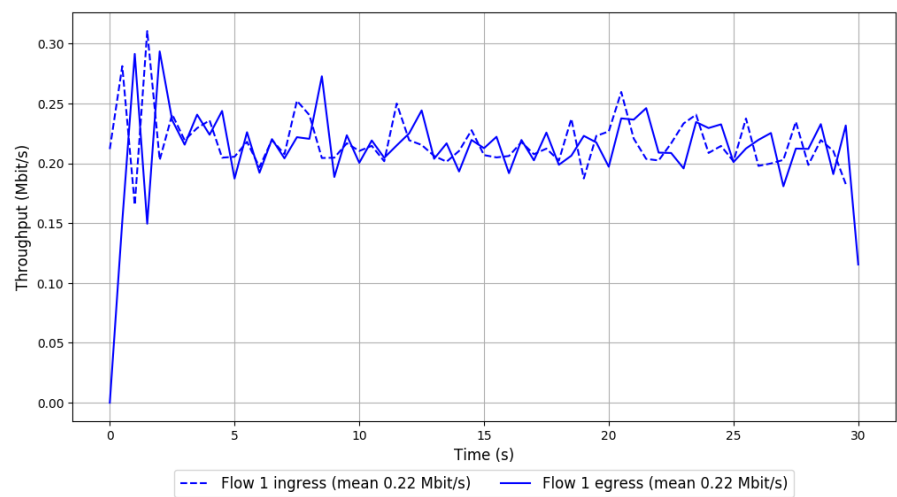
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.290 ms

Loss rate: 0.89%

Run 7: Report of SReAM — Data Link

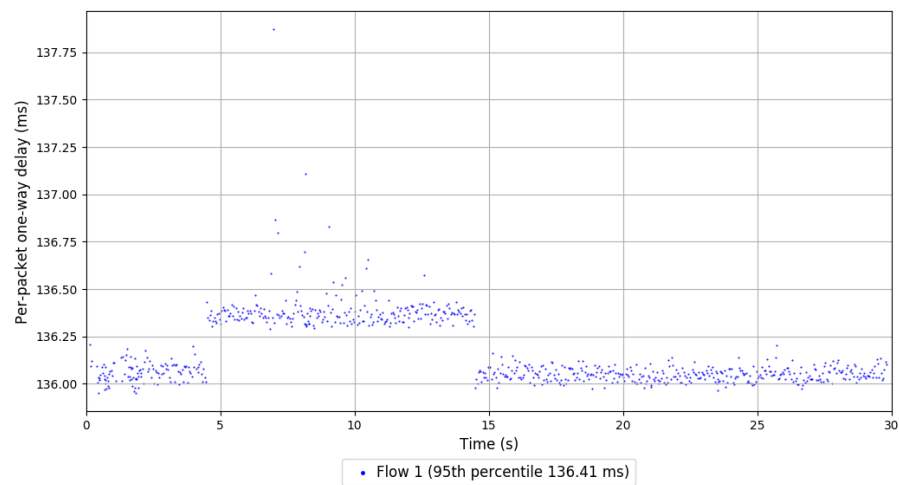
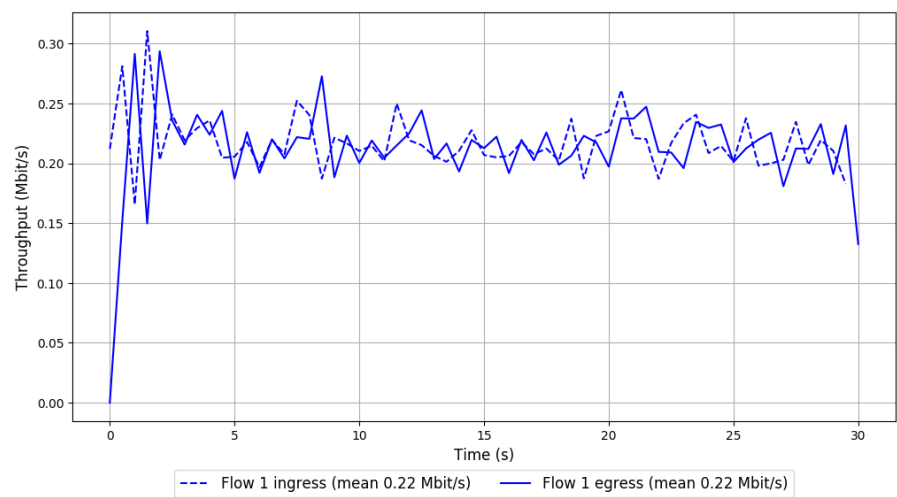


Run 8: Statistics of SCReAM

Start at: 2018-07-05 01:45:56
End at: 2018-07-05 01:46:26
Local clock offset: -0.017 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-07-05 04:18:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.414 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.414 ms
Loss rate: 0.76%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-07-05 02:08:29

End at: 2018-07-05 02:08:59

Local clock offset: -0.197 ms

Remote clock offset: 0.223 ms

Below is generated by plot.py at 2018-07-05 04:18:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.045 ms

Loss rate: 0.89%

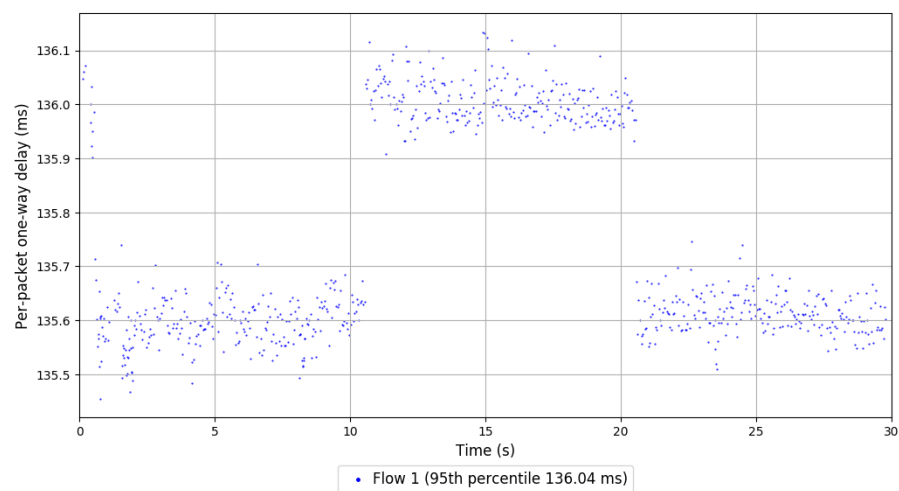
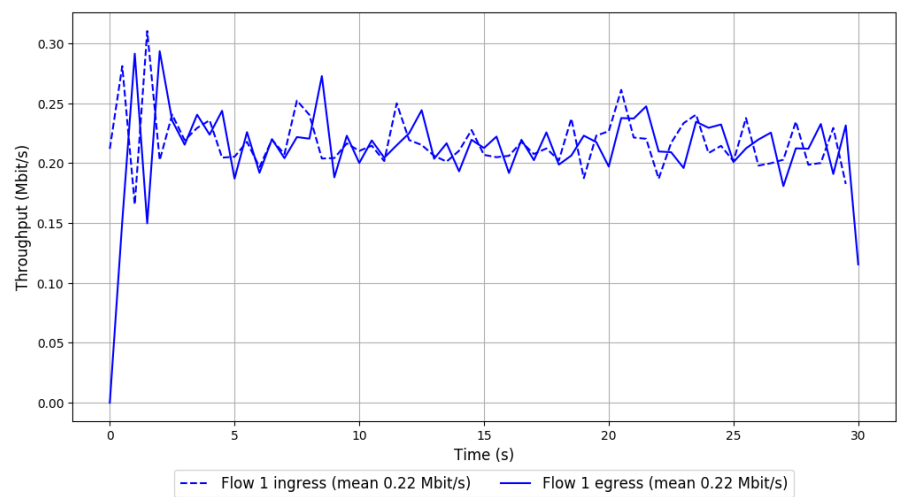
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.045 ms

Loss rate: 0.89%

Run 9: Report of SReAM — Data Link

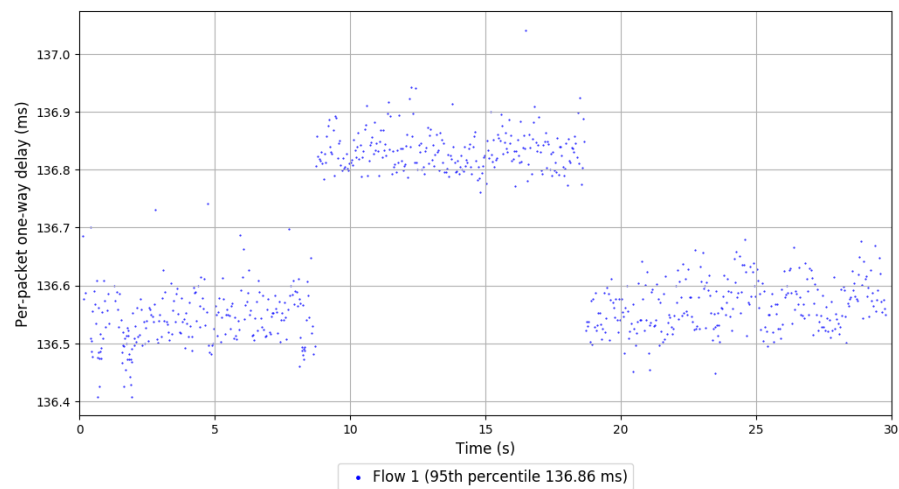
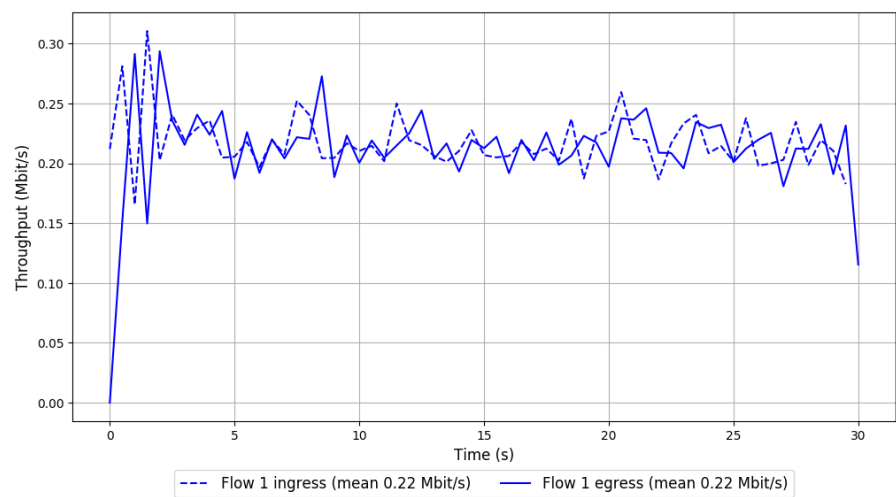


Run 10: Statistics of SReAM

Start at: 2018-07-05 02:31:01
End at: 2018-07-05 02:31:31
Local clock offset: 0.06 ms
Remote clock offset: -0.473 ms

Below is generated by plot.py at 2018-07-05 04:18:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.863 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.863 ms
Loss rate: 0.89%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-04 23:25:34

End at: 2018-07-04 23:26:04

Local clock offset: -0.05 ms

Remote clock offset: -0.181 ms

Below is generated by plot.py at 2018-07-05 04:18:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 136.576 ms

Loss rate: 1.08%

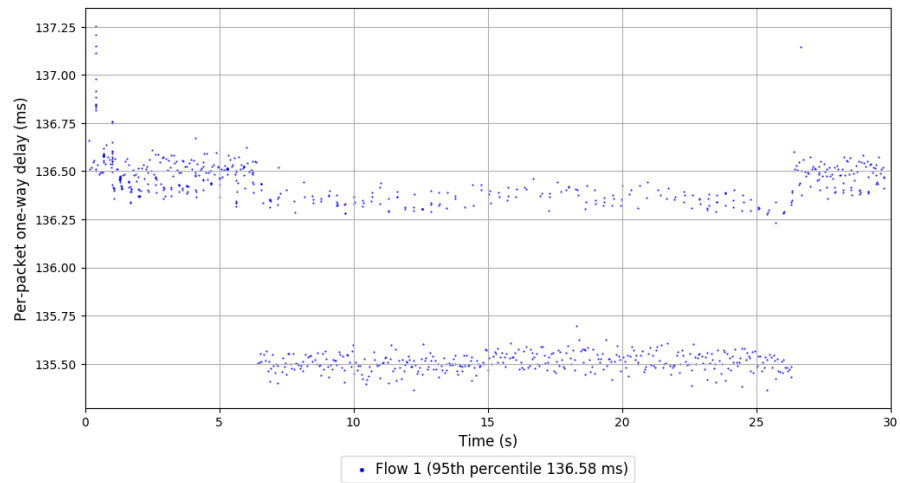
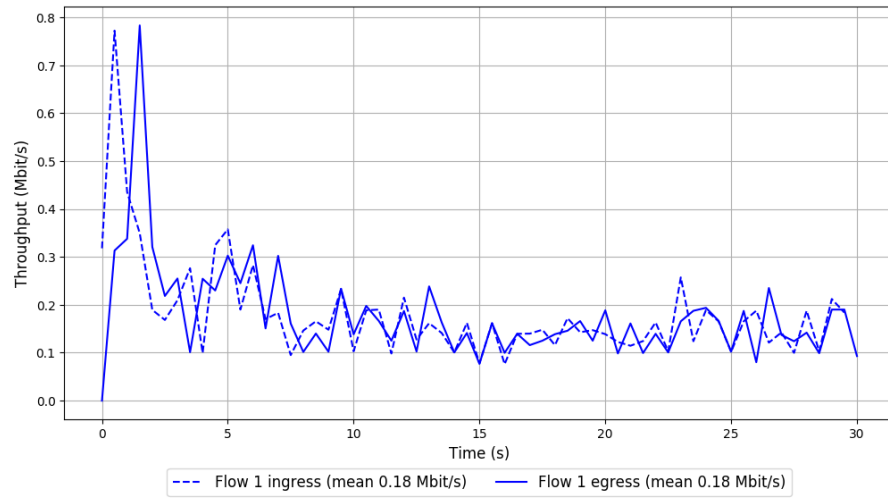
-- Flow 1:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 136.576 ms

Loss rate: 1.08%

Run 1: Report of Sprout — Data Link

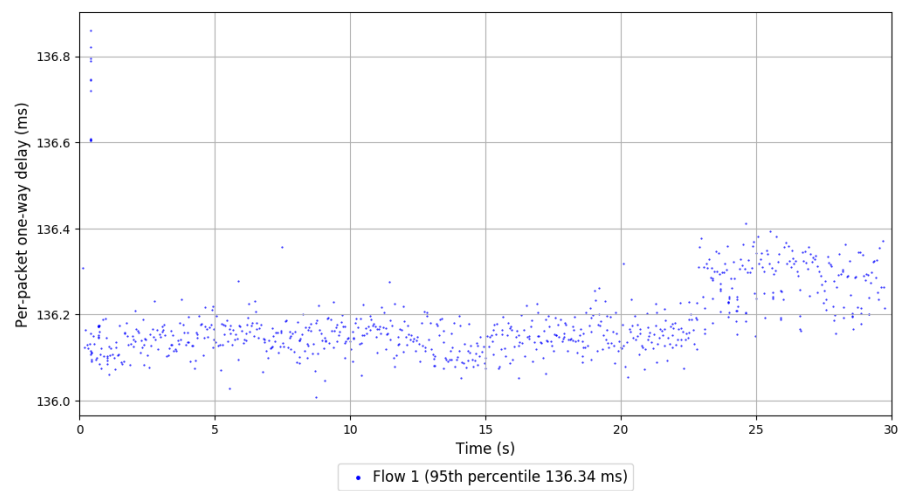
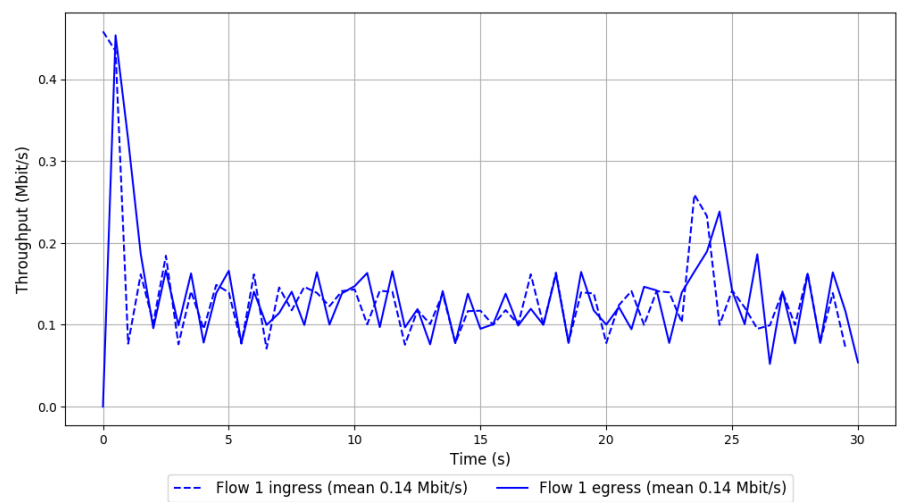


Run 2: Statistics of Sprout

Start at: 2018-07-04 23:48:27
End at: 2018-07-04 23:48:57
Local clock offset: -0.207 ms
Remote clock offset: -0.166 ms

Below is generated by plot.py at 2018-07-05 04:18:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 136.341 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 136.341 ms
Loss rate: 0.56%

Run 2: Report of Sprout — Data Link

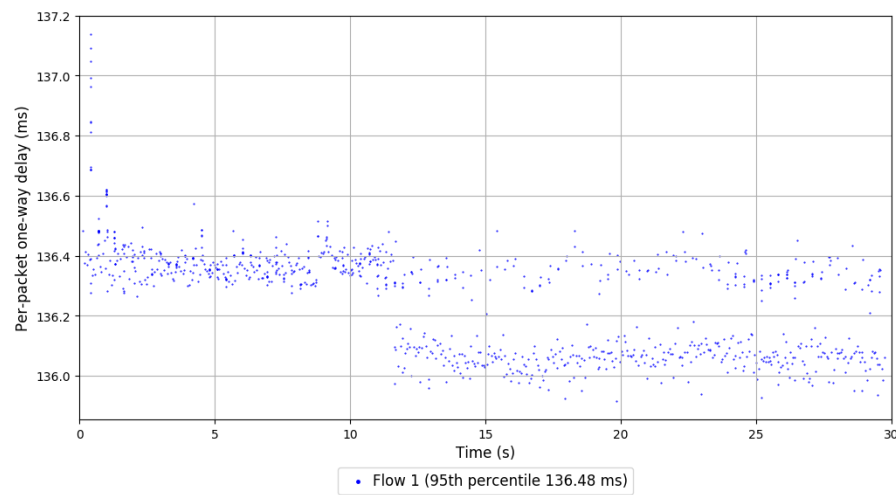
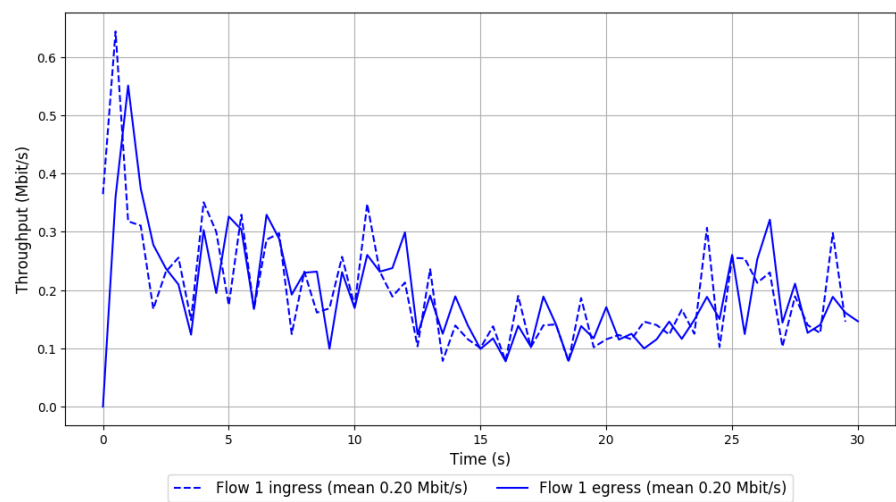


Run 3: Statistics of Sprout

Start at: 2018-07-05 00:10:58
End at: 2018-07-05 00:11:28
Local clock offset: -0.044 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2018-07-05 04:18:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 136.479 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 136.479 ms
Loss rate: 1.19%

Run 3: Report of Sprout — Data Link

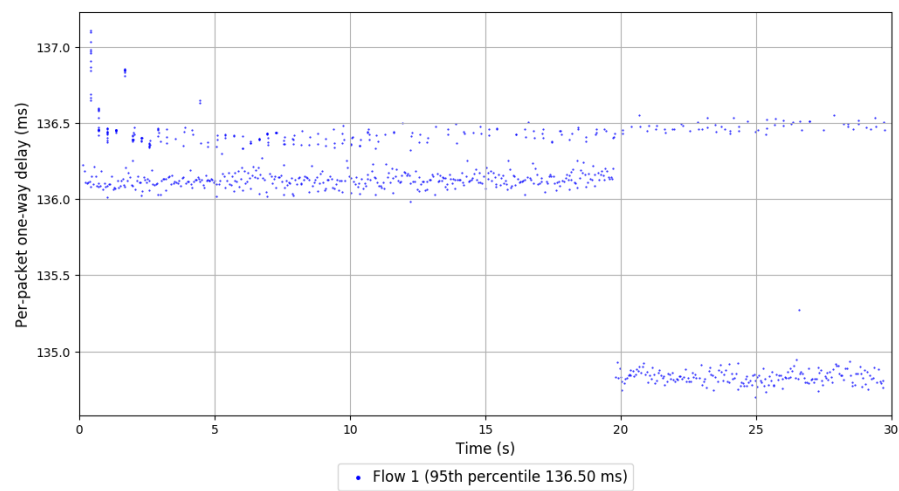
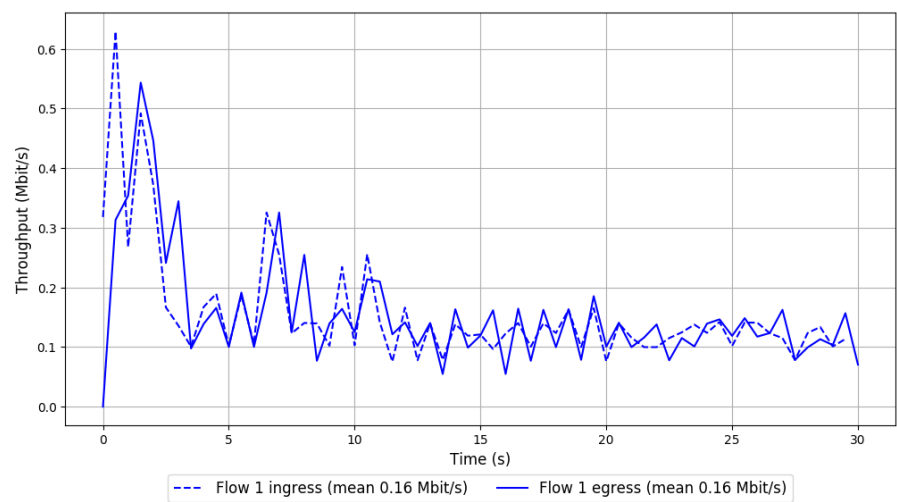


Run 4: Statistics of Sprout

Start at: 2018-07-05 00:34:00
End at: 2018-07-05 00:34:30
Local clock offset: 0.058 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-07-05 04:18:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.497 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.497 ms
Loss rate: 0.50%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-05 00:57:03

End at: 2018-07-05 00:57:33

Local clock offset: 0.004 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-07-05 04:18:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 136.378 ms

Loss rate: 0.25%

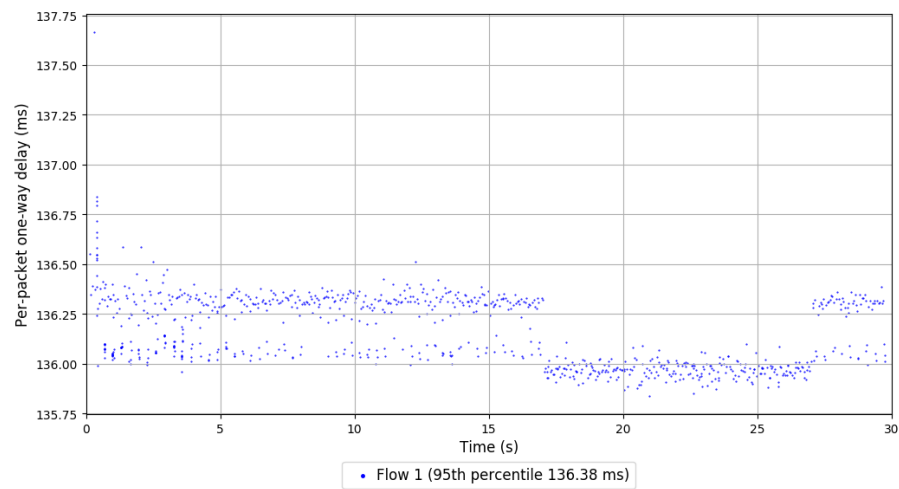
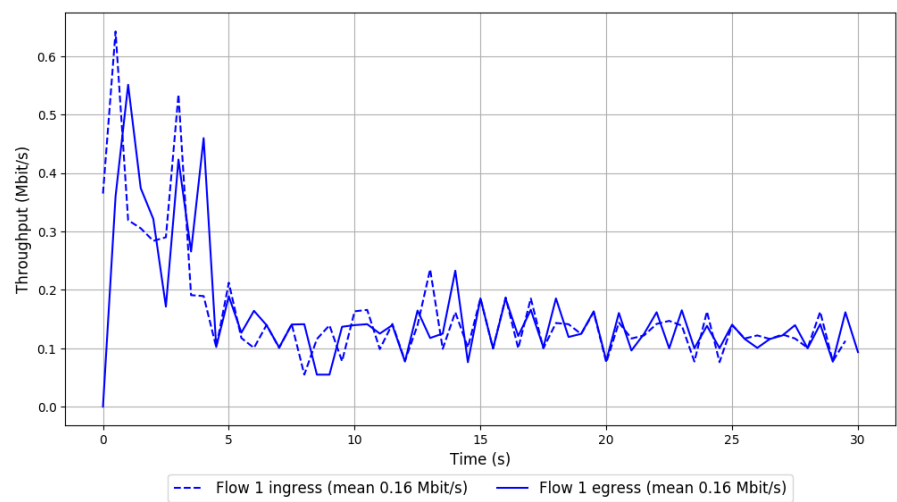
-- Flow 1:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 136.378 ms

Loss rate: 0.25%

Run 5: Report of Sprout — Data Link

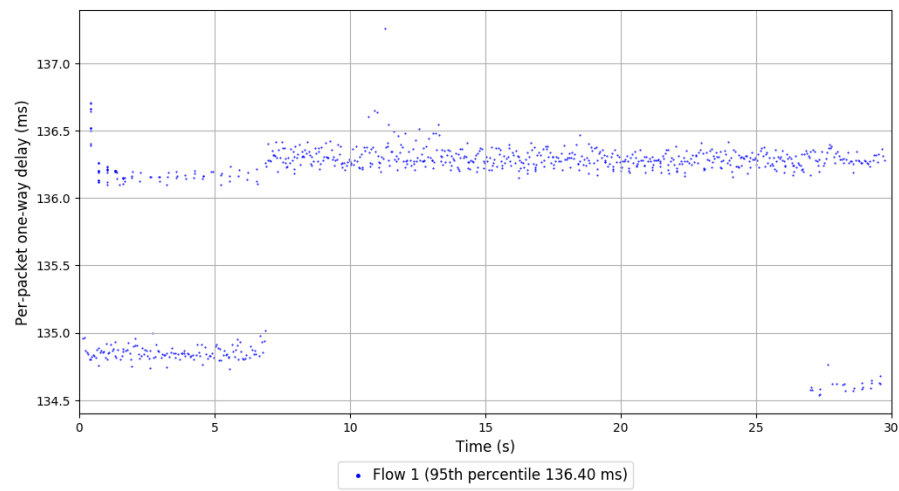
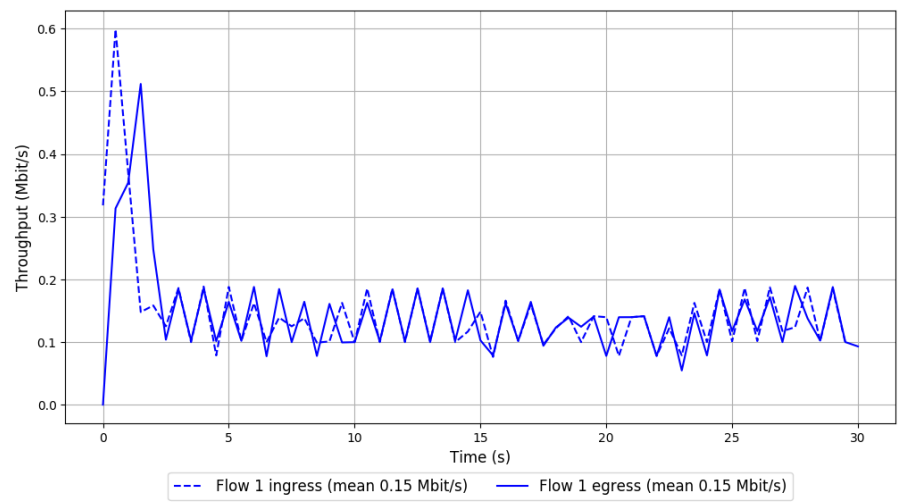


Run 6: Statistics of Sprout

Start at: 2018-07-05 01:19:53
End at: 2018-07-05 01:20:23
Local clock offset: -0.172 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-07-05 04:18:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.397 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.397 ms
Loss rate: 1.06%

Run 6: Report of Sprout — Data Link

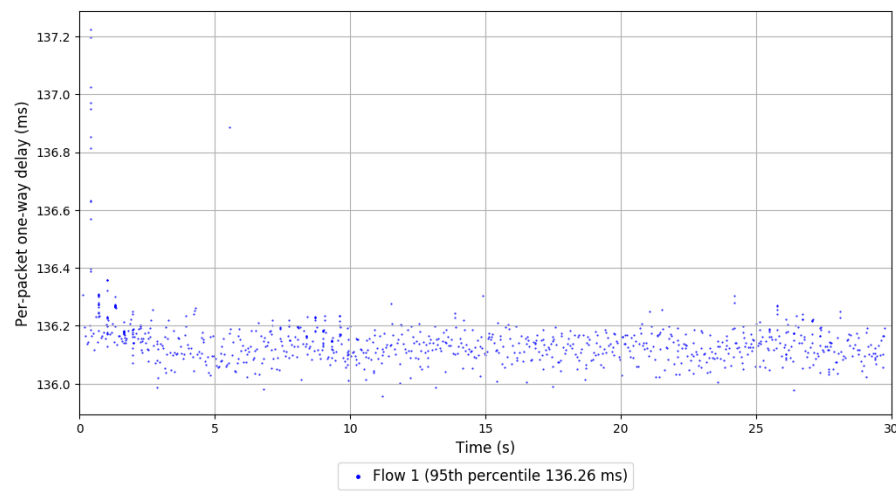
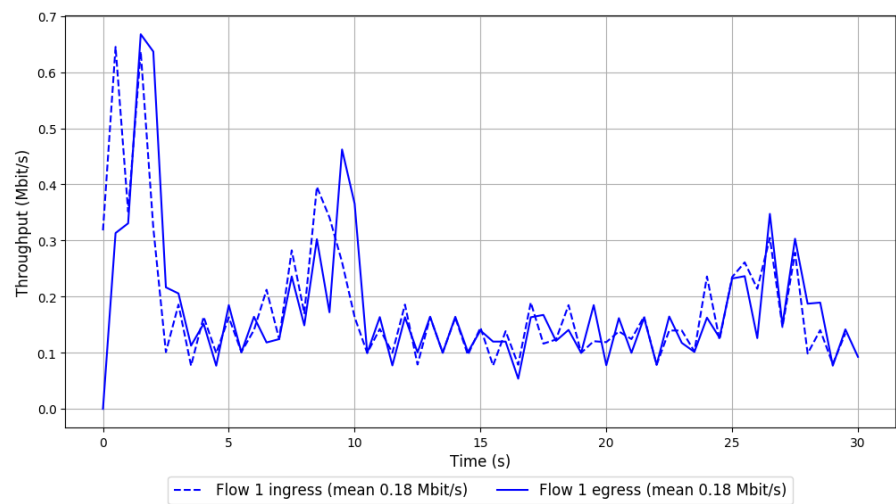


Run 7: Statistics of Sprout

Start at: 2018-07-05 01:42:57
End at: 2018-07-05 01:43:27
Local clock offset: -0.21 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-07-05 04:18:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.263 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.263 ms
Loss rate: 0.43%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-07-05 02:05:37

End at: 2018-07-05 02:06:07

Local clock offset: -0.251 ms

Remote clock offset: -0.15 ms

Below is generated by plot.py at 2018-07-05 04:18:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 136.269 ms

Loss rate: 2.63%

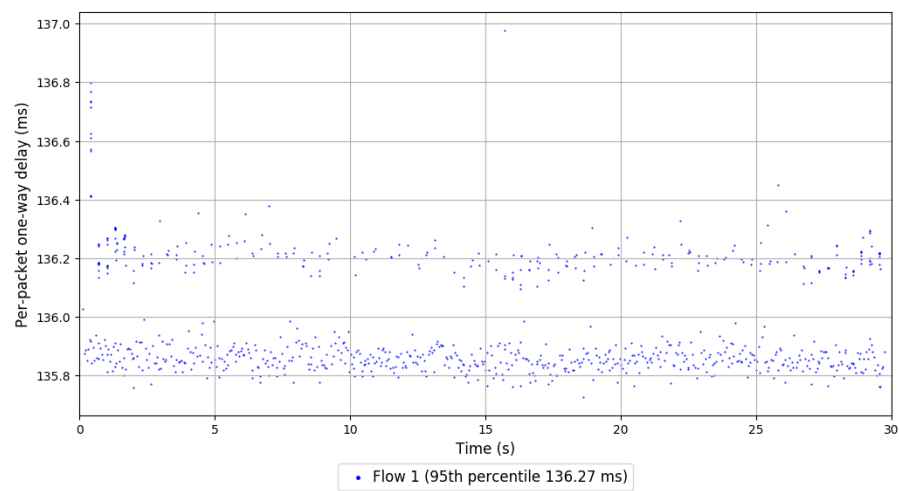
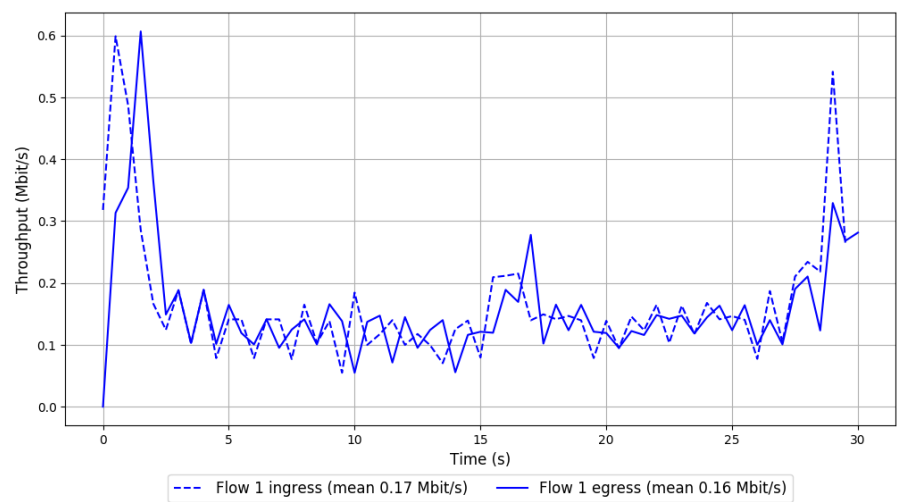
-- Flow 1:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 136.269 ms

Loss rate: 2.63%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-07-05 02:28:13

End at: 2018-07-05 02:28:43

Local clock offset: -0.145 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-07-05 04:18:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 136.365 ms

Loss rate: 0.75%

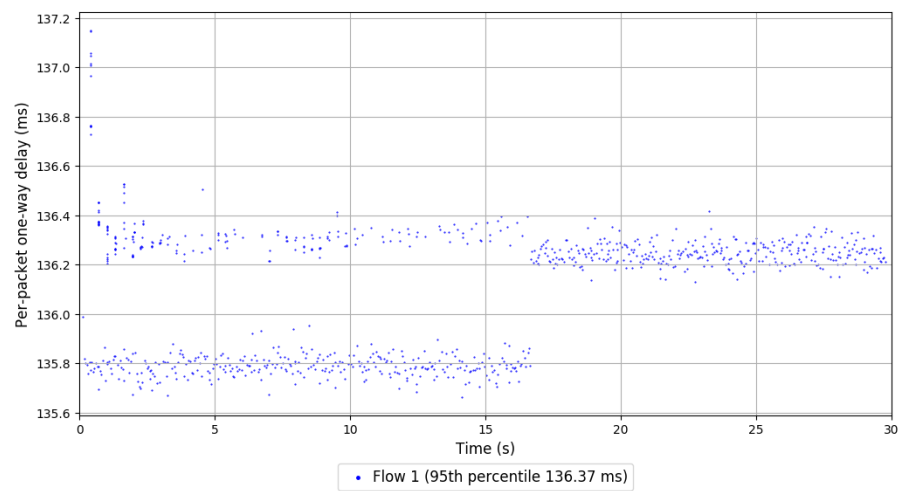
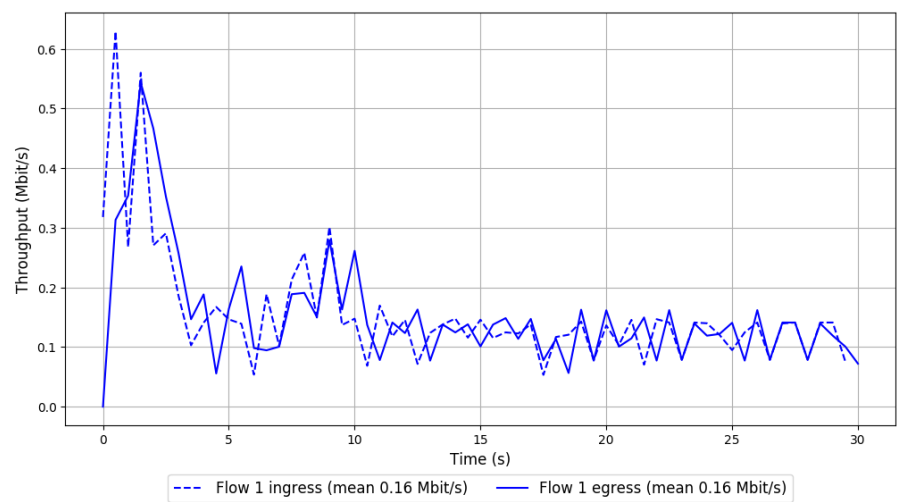
-- Flow 1:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 136.365 ms

Loss rate: 0.75%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-05 02:50:55

End at: 2018-07-05 02:51:25

Local clock offset: 0.048 ms

Remote clock offset: -0.441 ms

Below is generated by plot.py at 2018-07-05 04:18:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 137.208 ms

Loss rate: 0.38%

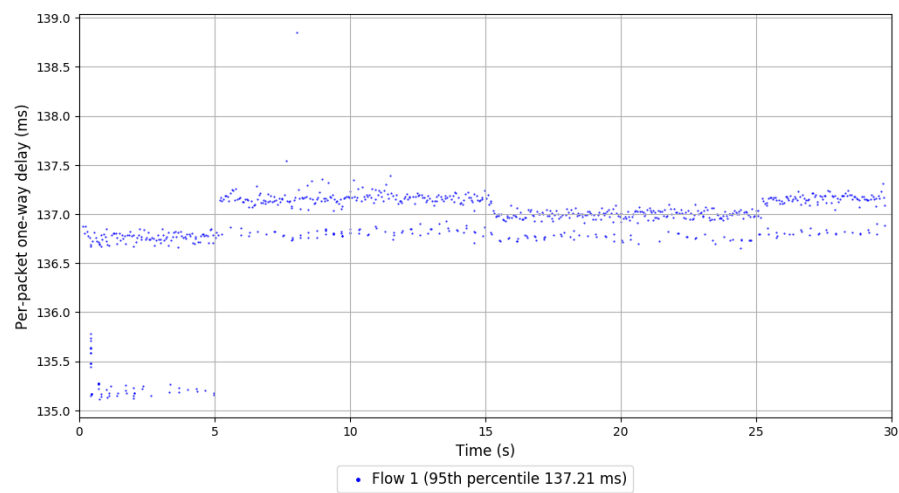
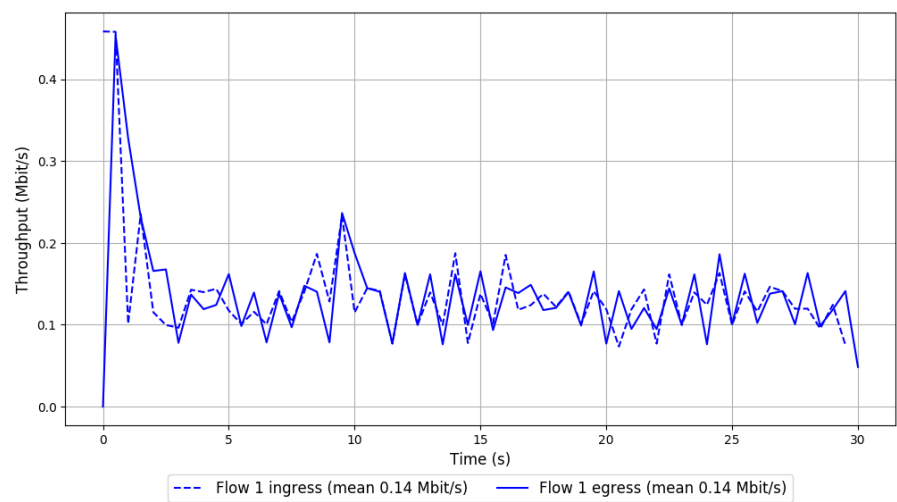
-- Flow 1:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 137.208 ms

Loss rate: 0.38%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-07-04 23:20:24

End at: 2018-07-04 23:20:54

Local clock offset: 0.055 ms

Remote clock offset: -0.145 ms

Below is generated by plot.py at 2018-07-05 04:18:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.29 Mbit/s

95th percentile per-packet one-way delay: 136.443 ms

Loss rate: 0.94%

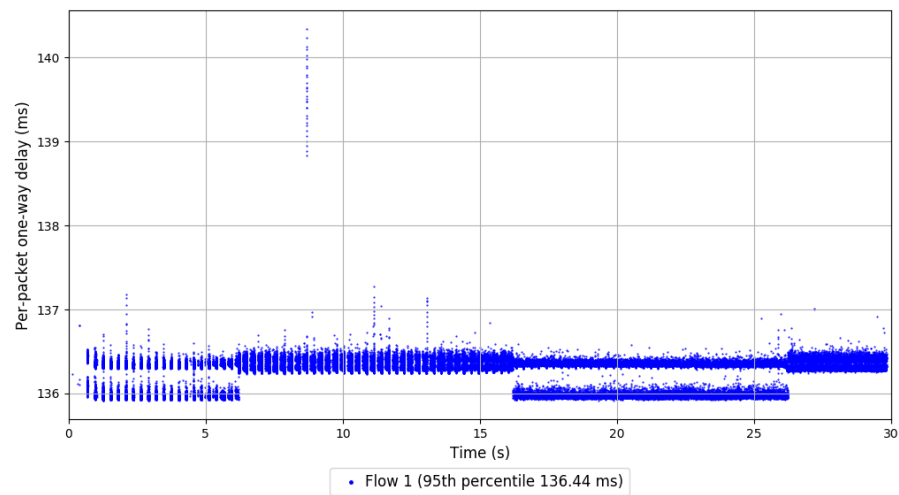
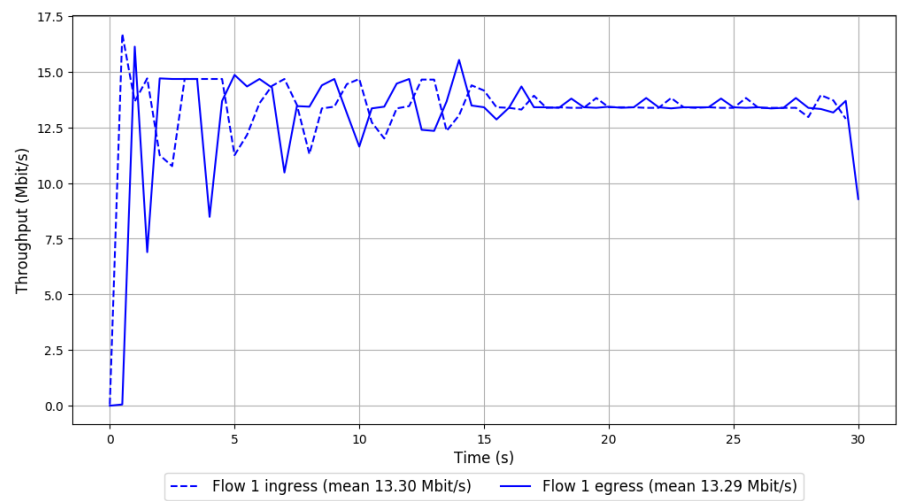
-- Flow 1:

Average throughput: 13.29 Mbit/s

95th percentile per-packet one-way delay: 136.443 ms

Loss rate: 0.94%

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

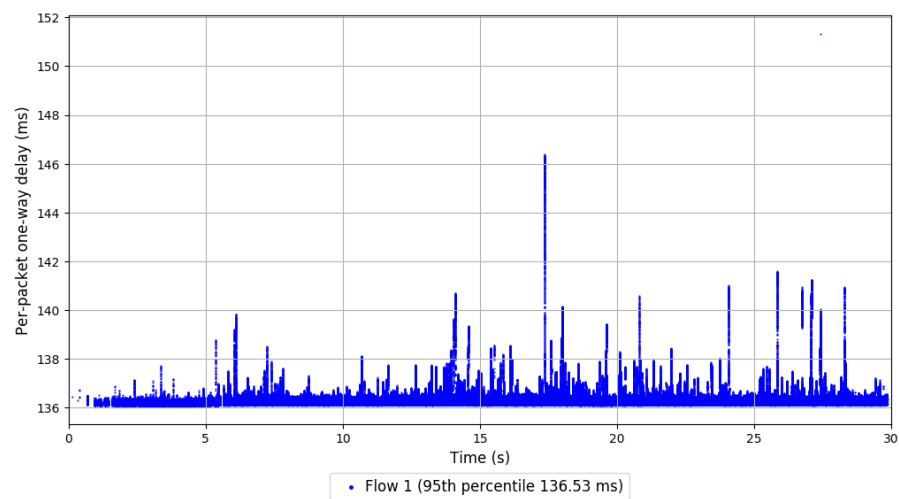
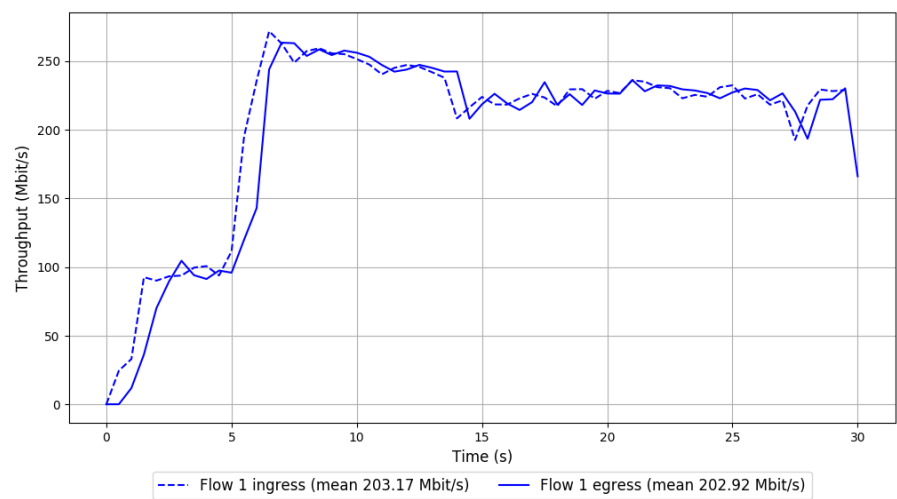


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-04 23:42:48
End at: 2018-07-04 23:43:18
Local clock offset: -0.035 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2018-07-05 04:22:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 202.92 Mbit/s
95th percentile per-packet one-way delay: 136.532 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 202.92 Mbit/s
95th percentile per-packet one-way delay: 136.532 ms
Loss rate: 1.03%

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

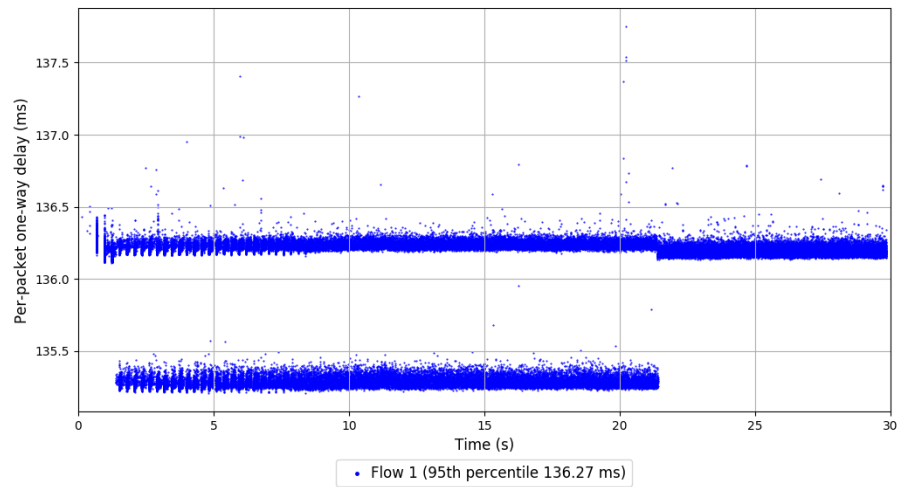
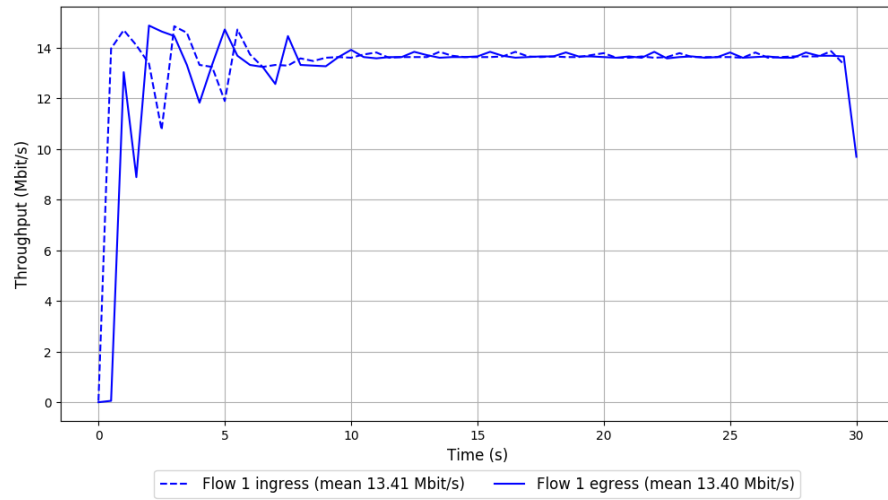


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-05 00:05:49
End at: 2018-07-05 00:06:19
Local clock offset: -0.065 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2018-07-05 04:22:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.40 Mbit/s
95th percentile per-packet one-way delay: 136.272 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 13.40 Mbit/s
95th percentile per-packet one-way delay: 136.272 ms
Loss rate: 0.93%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-05 00:28:16

End at: 2018-07-05 00:28:46

Local clock offset: 0.047 ms

Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-05 04:23:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.74 Mbit/s

95th percentile per-packet one-way delay: 136.534 ms

Loss rate: 1.06%

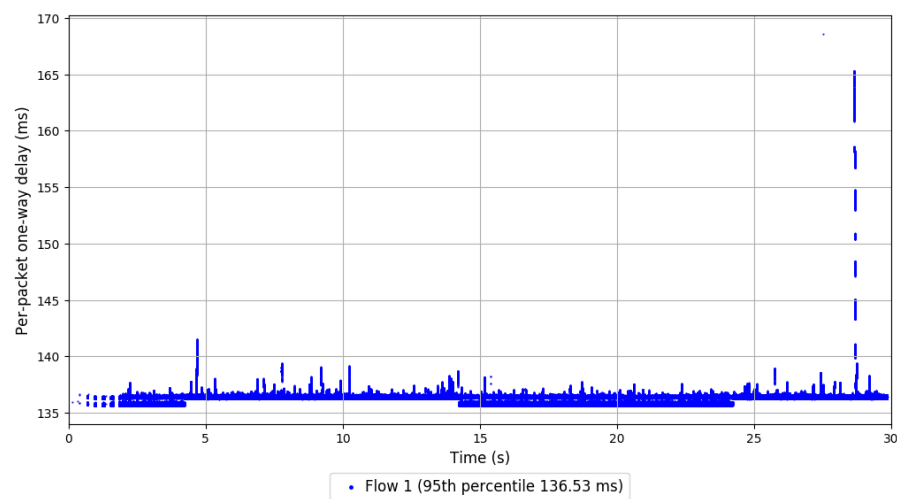
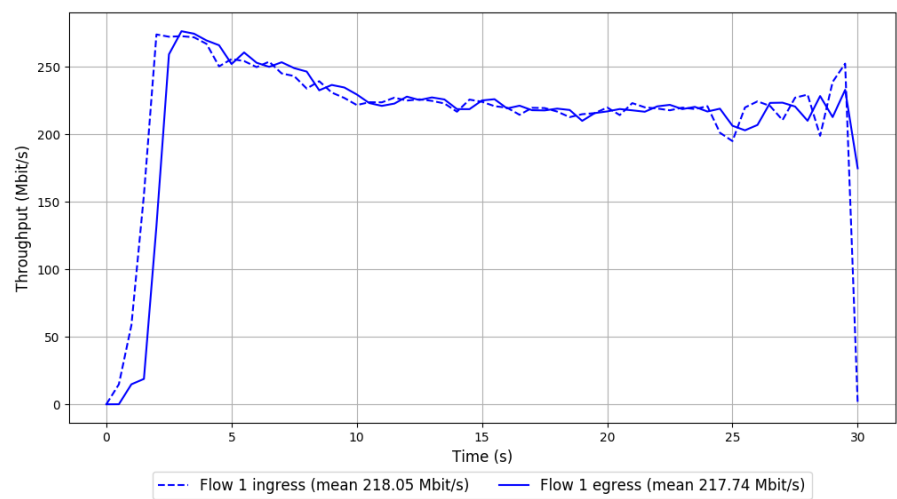
-- Flow 1:

Average throughput: 217.74 Mbit/s

95th percentile per-packet one-way delay: 136.534 ms

Loss rate: 1.06%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-05 00:51:23

End at: 2018-07-05 00:51:54

Local clock offset: 0.119 ms

Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-05 04:23:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.11 Mbit/s

95th percentile per-packet one-way delay: 136.216 ms

Loss rate: 1.01%

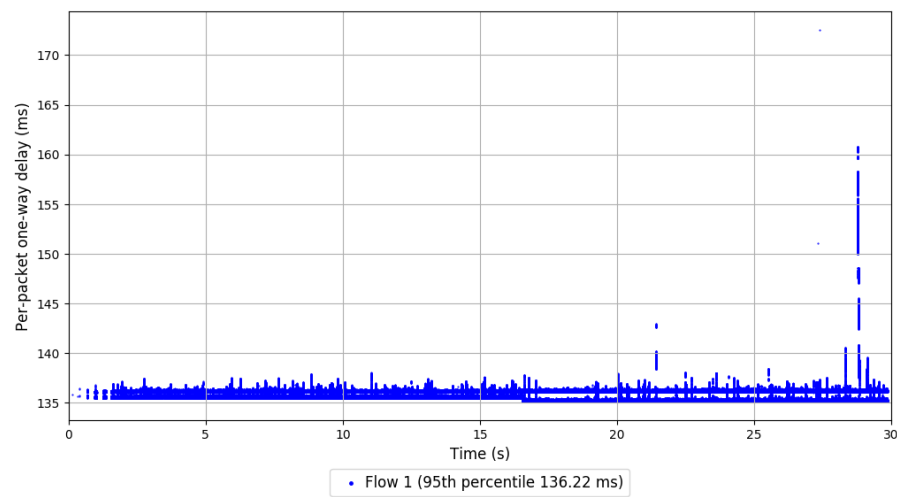
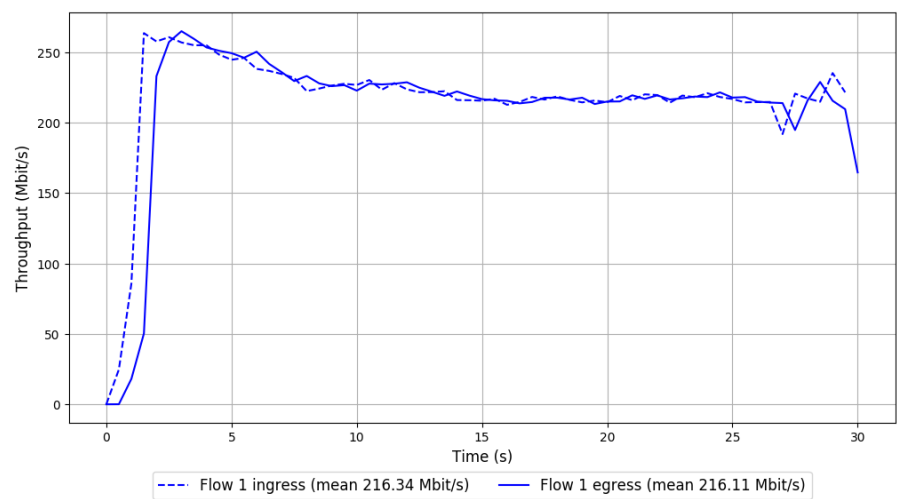
-- Flow 1:

Average throughput: 216.11 Mbit/s

95th percentile per-packet one-way delay: 136.216 ms

Loss rate: 1.01%

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

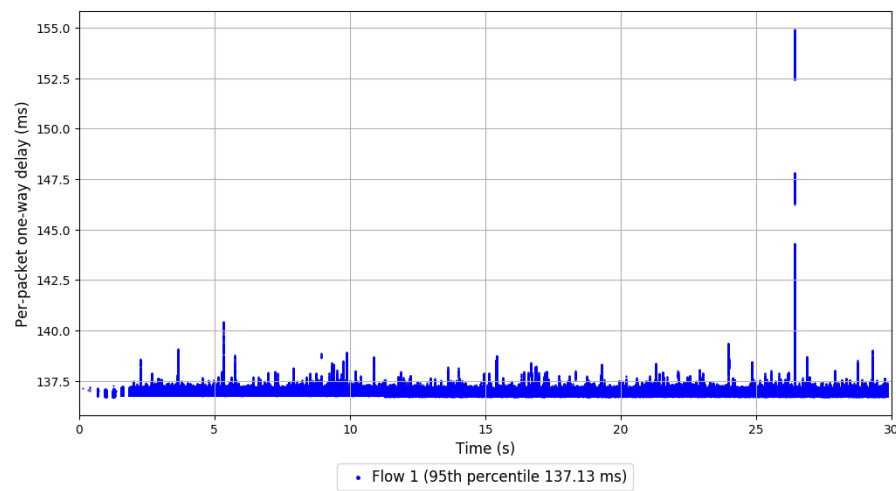
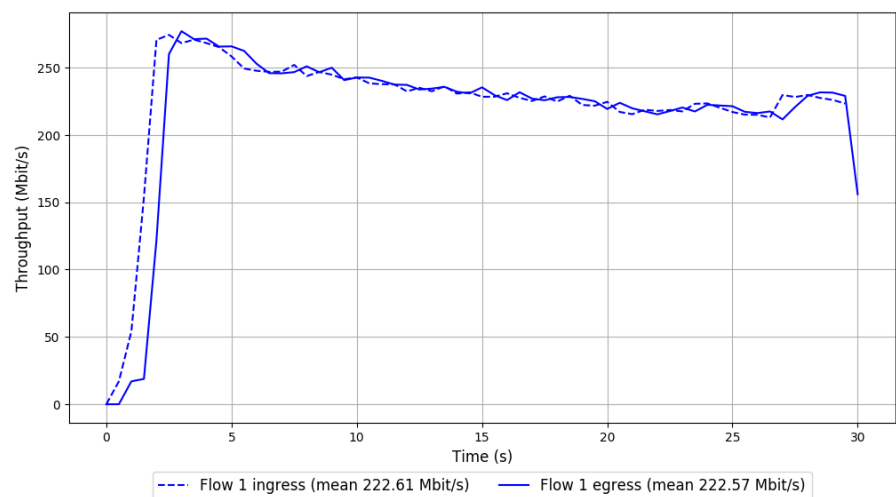


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-05 01:14:19
End at: 2018-07-05 01:14:49
Local clock offset: 0.146 ms
Remote clock offset: -0.429 ms

Below is generated by plot.py at 2018-07-05 04:23:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.57 Mbit/s
95th percentile per-packet one-way delay: 137.135 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 222.57 Mbit/s
95th percentile per-packet one-way delay: 137.135 ms
Loss rate: 0.93%

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

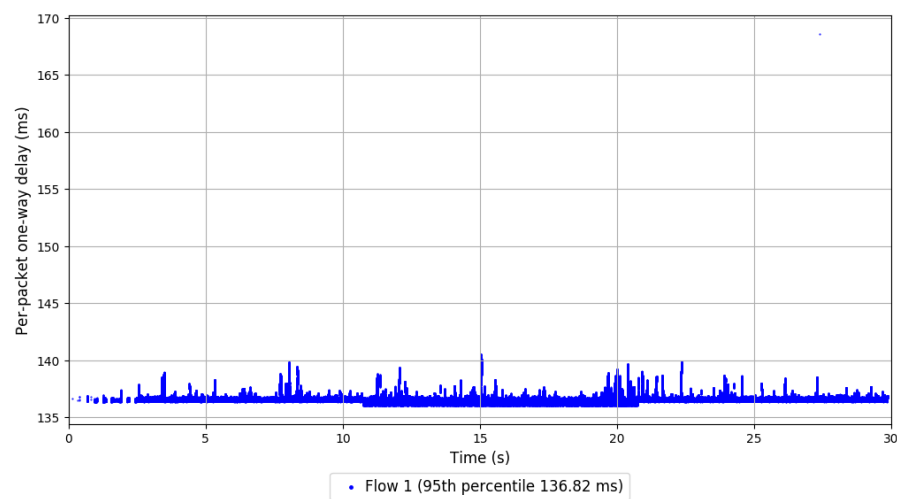
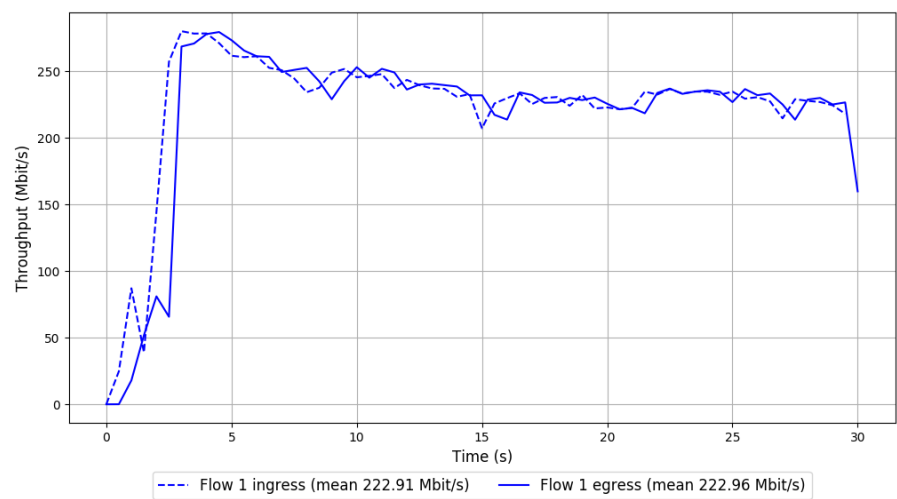


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-05 01:37:09
End at: 2018-07-05 01:37:39
Local clock offset: 0.131 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-07-05 04:23:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.96 Mbit/s
95th percentile per-packet one-way delay: 136.822 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 222.96 Mbit/s
95th percentile per-packet one-way delay: 136.822 ms
Loss rate: 0.89%

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

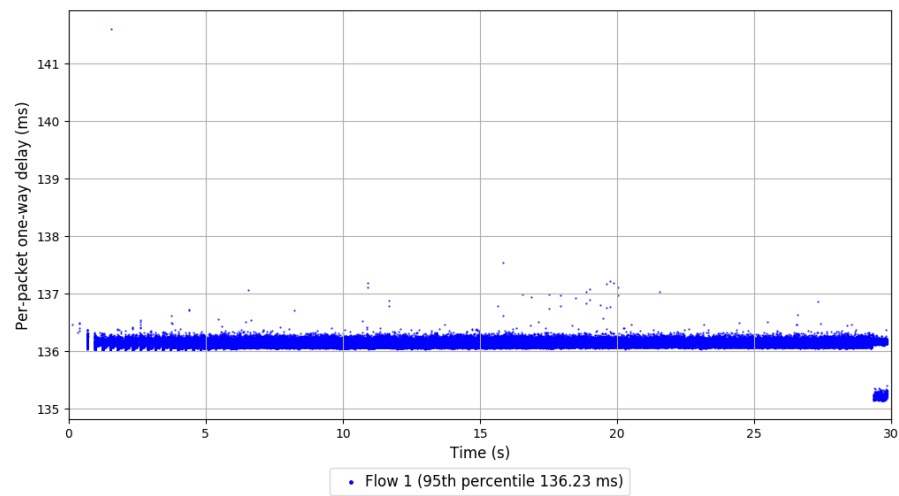
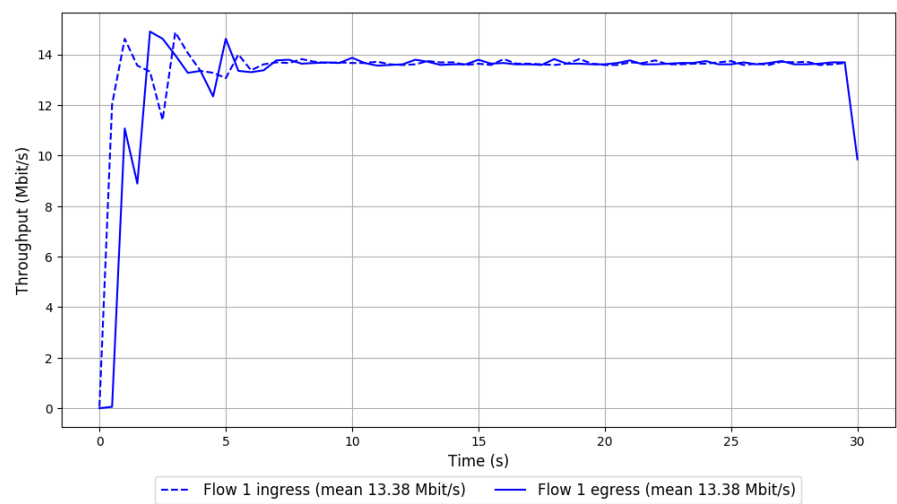


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-05 02:00:21
End at: 2018-07-05 02:00:51
Local clock offset: -0.197 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2018-07-05 04:23:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.38 Mbit/s
95th percentile per-packet one-way delay: 136.234 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 13.38 Mbit/s
95th percentile per-packet one-way delay: 136.234 ms
Loss rate: 0.93%

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

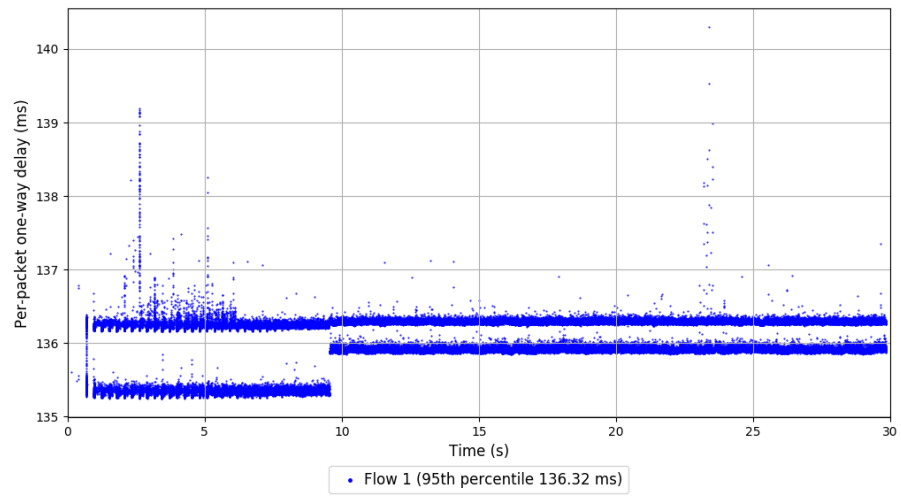
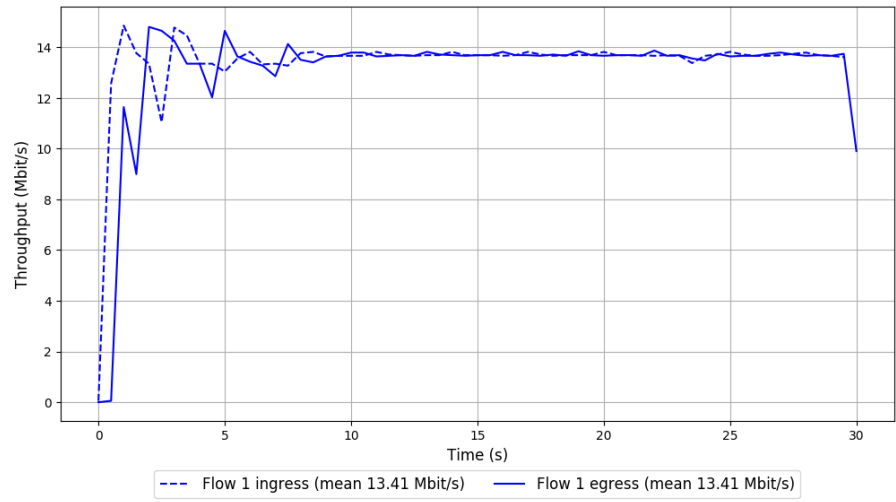


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-05 02:23:01
End at: 2018-07-05 02:23:31
Local clock offset: -0.039 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-07-05 04:23:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.41 Mbit/s
95th percentile per-packet one-way delay: 136.325 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 13.41 Mbit/s
95th percentile per-packet one-way delay: 136.325 ms
Loss rate: 0.93%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-05 02:45:34

End at: 2018-07-05 02:46:04

Local clock offset: 0.17 ms

Remote clock offset: -0.464 ms

Below is generated by plot.py at 2018-07-05 04:23:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.39 Mbit/s

95th percentile per-packet one-way delay: 136.903 ms

Loss rate: 0.93%

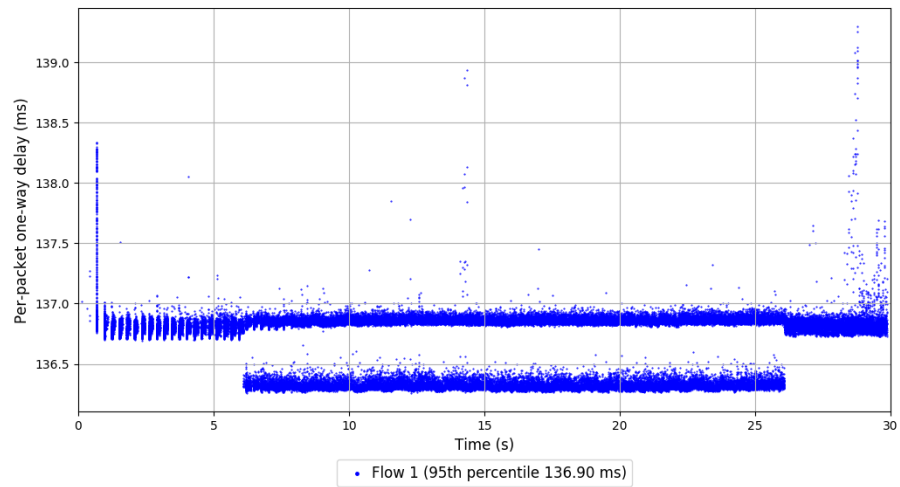
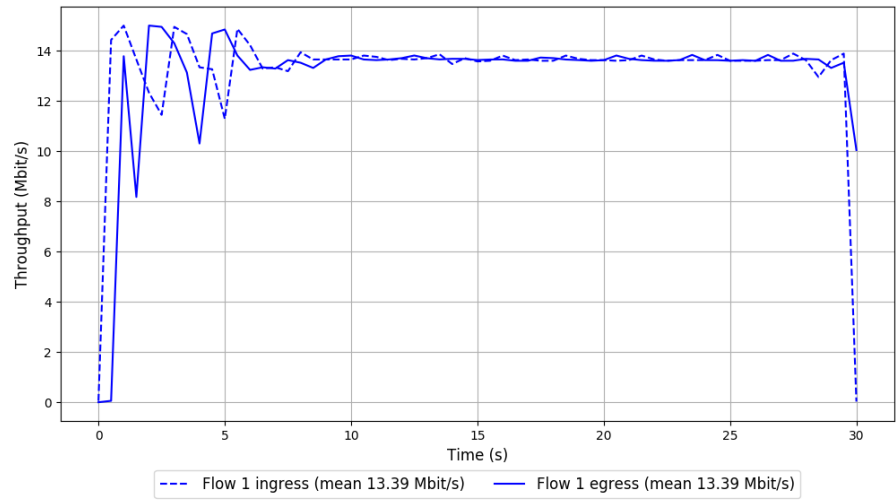
-- Flow 1:

Average throughput: 13.39 Mbit/s

95th percentile per-packet one-way delay: 136.903 ms

Loss rate: 0.93%

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

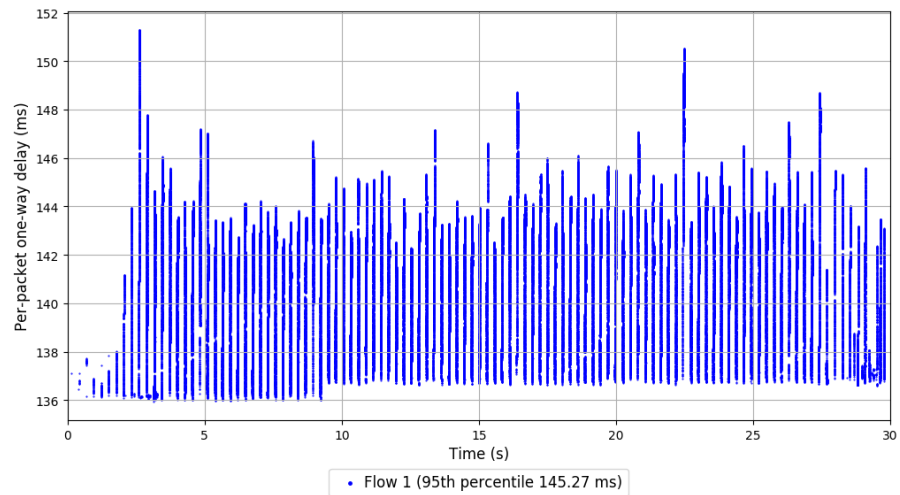
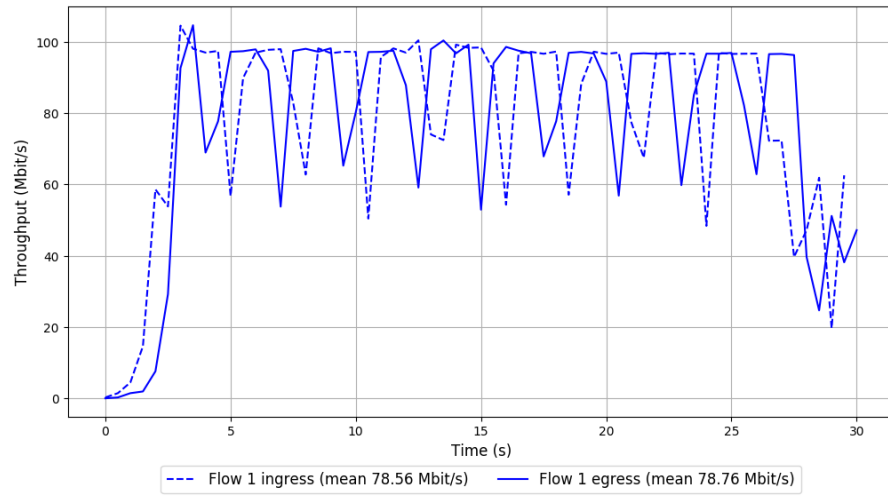


Run 1: Statistics of TCP Vegas

Start at: 2018-07-04 23:15:01
End at: 2018-07-04 23:15:31
Local clock offset: 0.001 ms
Remote clock offset: -0.516 ms

Below is generated by plot.py at 2018-07-05 04:23:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.76 Mbit/s
95th percentile per-packet one-way delay: 145.274 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 78.76 Mbit/s
95th percentile per-packet one-way delay: 145.274 ms
Loss rate: 0.64%

Run 1: Report of TCP Vegas — Data Link

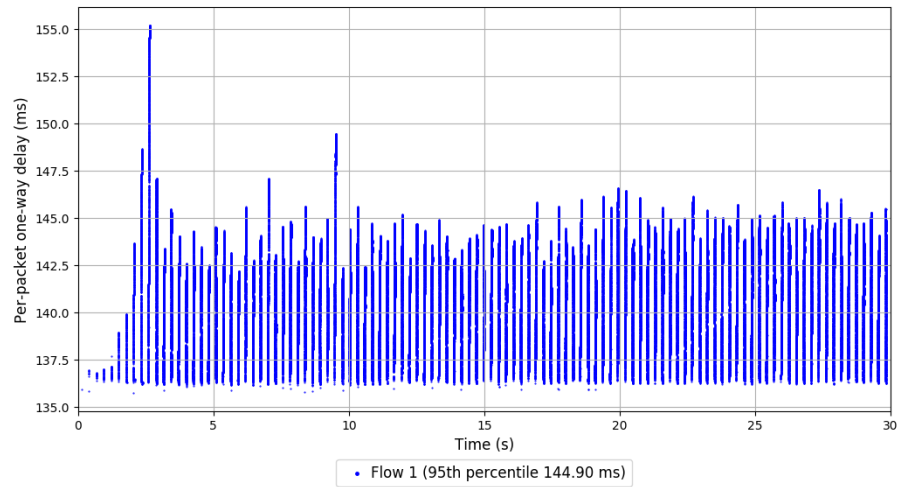
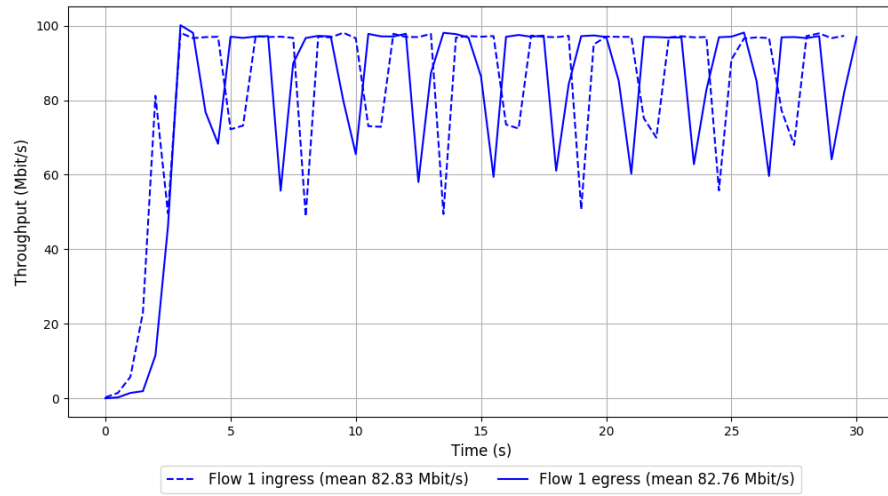


Run 2: Statistics of TCP Vegas

Start at: 2018-07-04 23:37:29
End at: 2018-07-04 23:37:59
Local clock offset: -0.073 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2018-07-05 04:23:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.76 Mbit/s
95th percentile per-packet one-way delay: 144.904 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 82.76 Mbit/s
95th percentile per-packet one-way delay: 144.904 ms
Loss rate: 0.98%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-05 00:00:24

End at: 2018-07-05 00:00:54

Local clock offset: 0.037 ms

Remote clock offset: -0.2 ms

Below is generated by plot.py at 2018-07-05 04:23:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.02 Mbit/s

95th percentile per-packet one-way delay: 145.598 ms

Loss rate: 0.97%

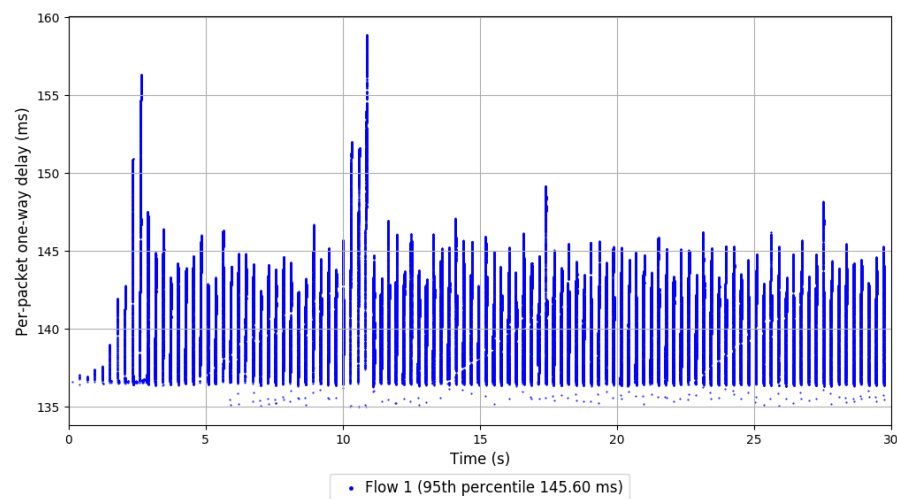
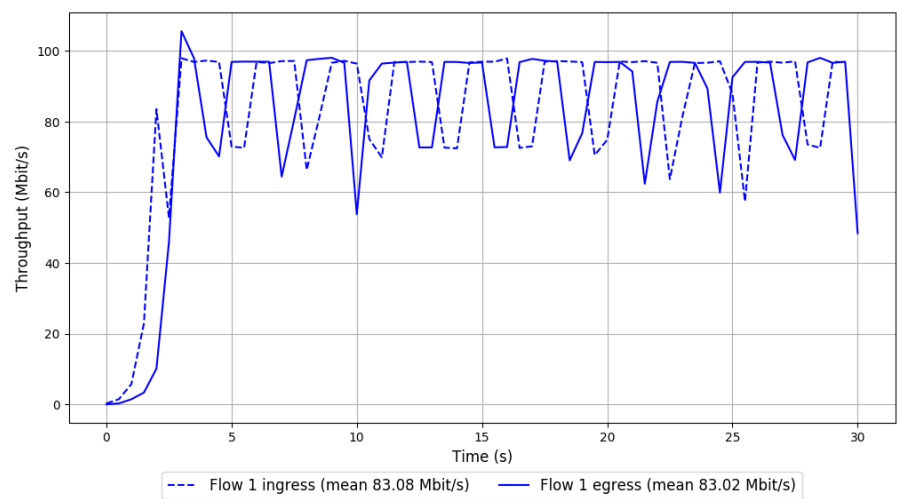
-- Flow 1:

Average throughput: 83.02 Mbit/s

95th percentile per-packet one-way delay: 145.598 ms

Loss rate: 0.97%

Run 3: Report of TCP Vegas — Data Link

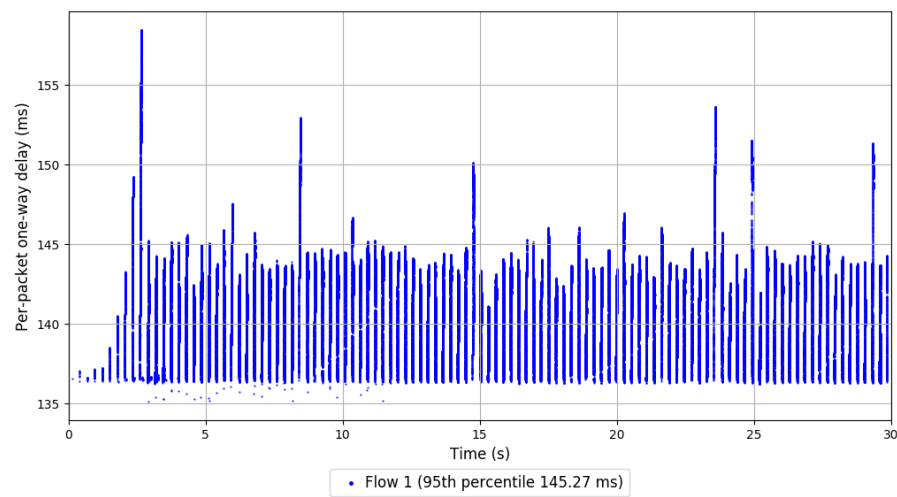
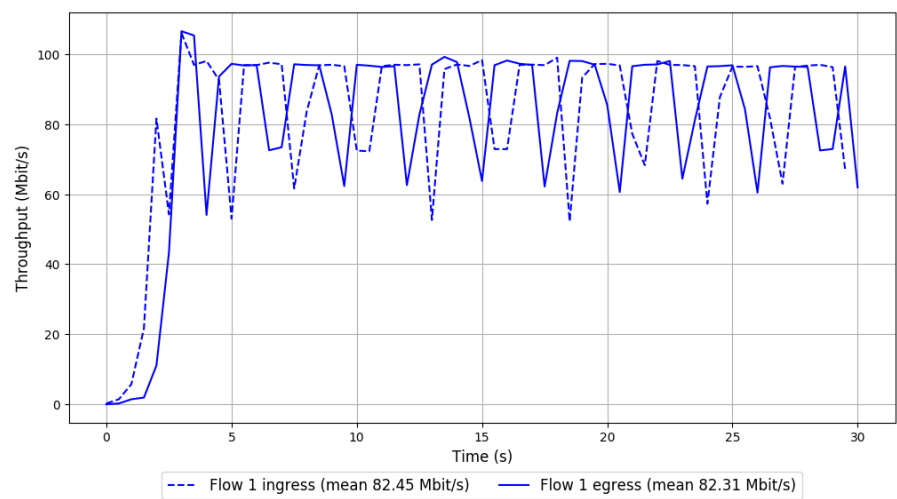


Run 4: Statistics of TCP Vegas

Start at: 2018-07-05 00:22:58
End at: 2018-07-05 00:23:28
Local clock offset: 0.026 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-07-05 04:23:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.31 Mbit/s
95th percentile per-packet one-way delay: 145.274 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 82.31 Mbit/s
95th percentile per-packet one-way delay: 145.274 ms
Loss rate: 1.07%

Run 4: Report of TCP Vegas — Data Link

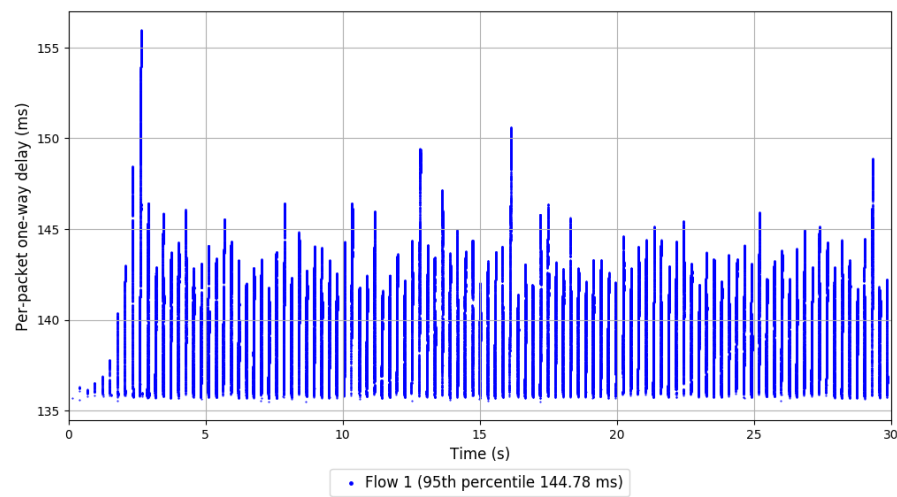
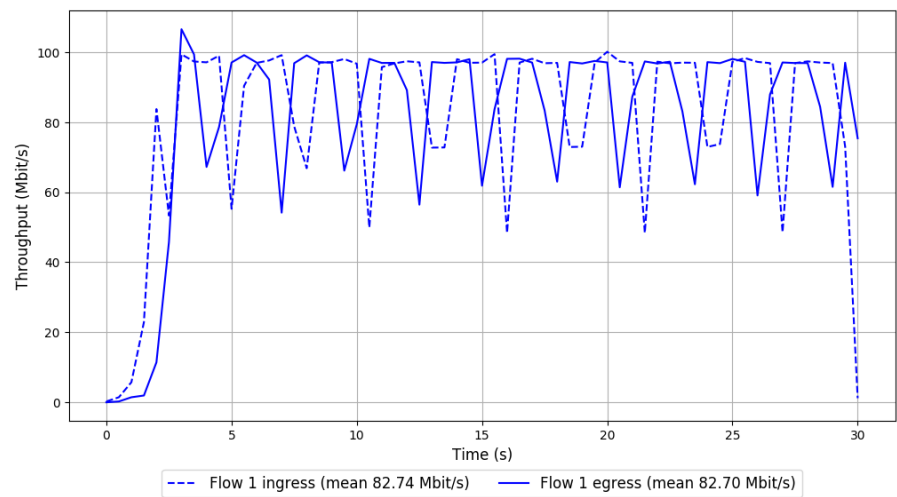


Run 5: Statistics of TCP Vegas

Start at: 2018-07-05 00:46:03
End at: 2018-07-05 00:46:33
Local clock offset: -0.236 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-05 04:23:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.70 Mbit/s
95th percentile per-packet one-way delay: 144.783 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 82.70 Mbit/s
95th percentile per-packet one-way delay: 144.783 ms
Loss rate: 0.95%

Run 5: Report of TCP Vegas — Data Link

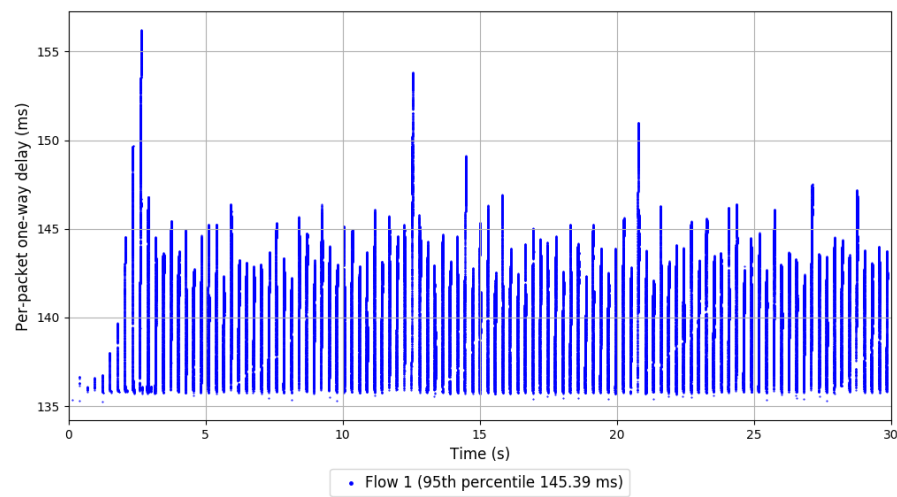
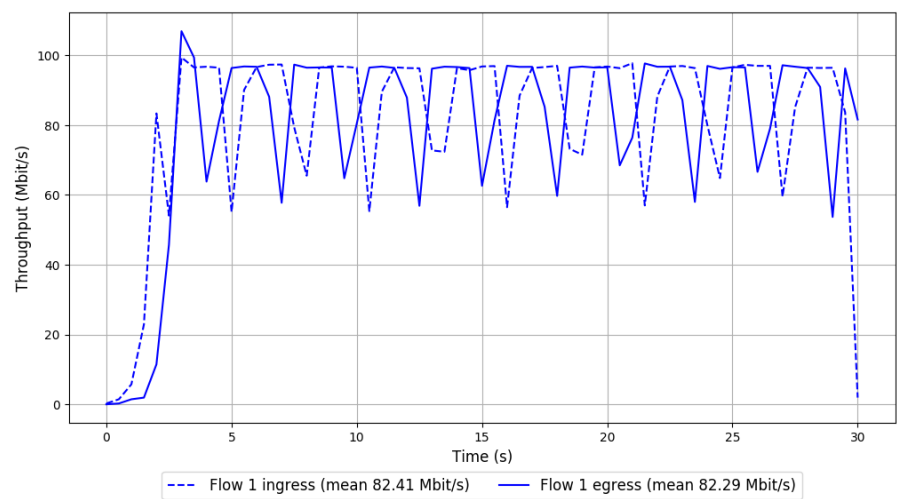


Run 6: Statistics of TCP Vegas

Start at: 2018-07-05 01:08:57
End at: 2018-07-05 01:09:27
Local clock offset: -0.251 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-05 04:23:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.29 Mbit/s
95th percentile per-packet one-way delay: 145.394 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 82.29 Mbit/s
95th percentile per-packet one-way delay: 145.394 ms
Loss rate: 1.06%

Run 6: Report of TCP Vegas — Data Link

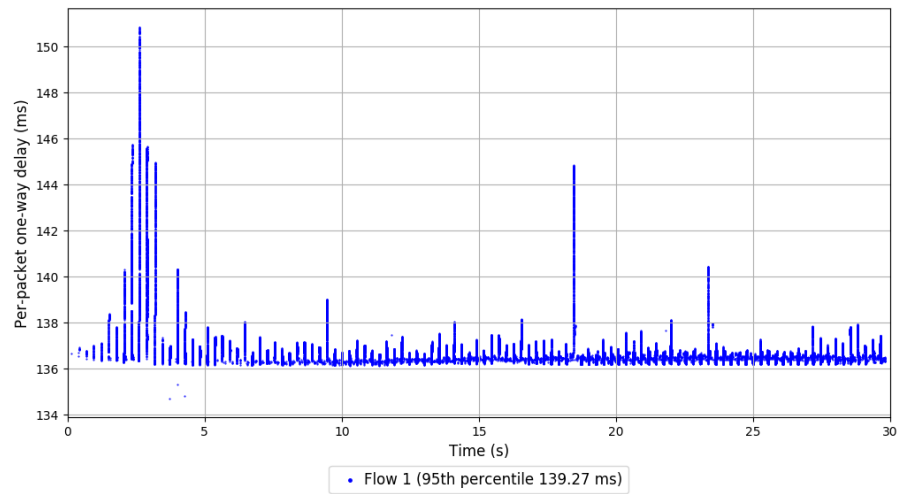
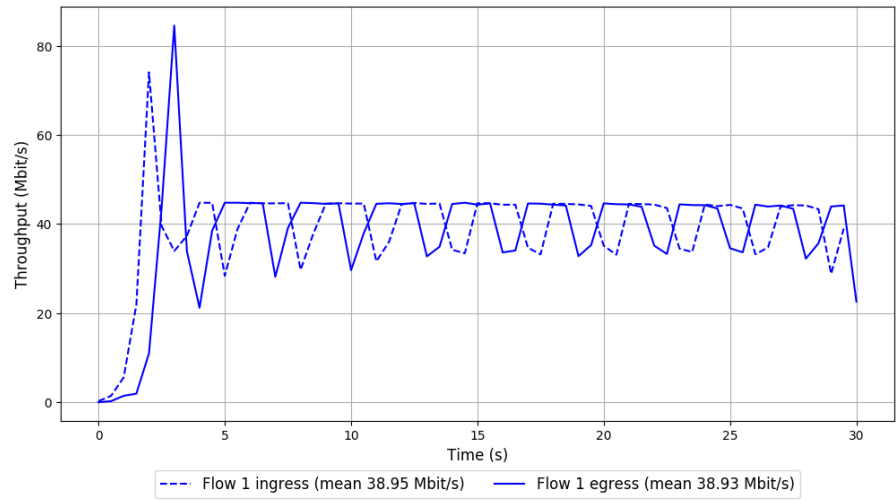


Run 7: Statistics of TCP Vegas

Start at: 2018-07-05 01:31:46
End at: 2018-07-05 01:32:16
Local clock offset: -0.073 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-07-05 04:23:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 38.93 Mbit/s
95th percentile per-packet one-way delay: 139.268 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 38.93 Mbit/s
95th percentile per-packet one-way delay: 139.268 ms
Loss rate: 0.95%

Run 7: Report of TCP Vegas — Data Link

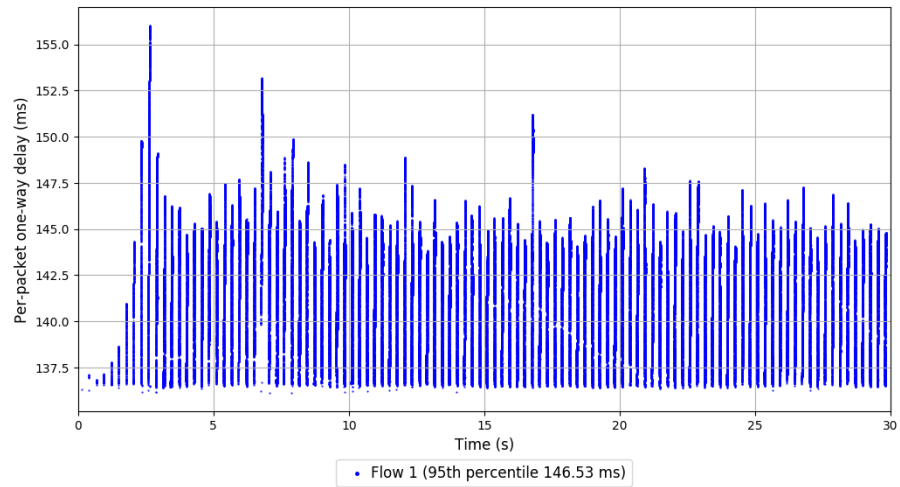
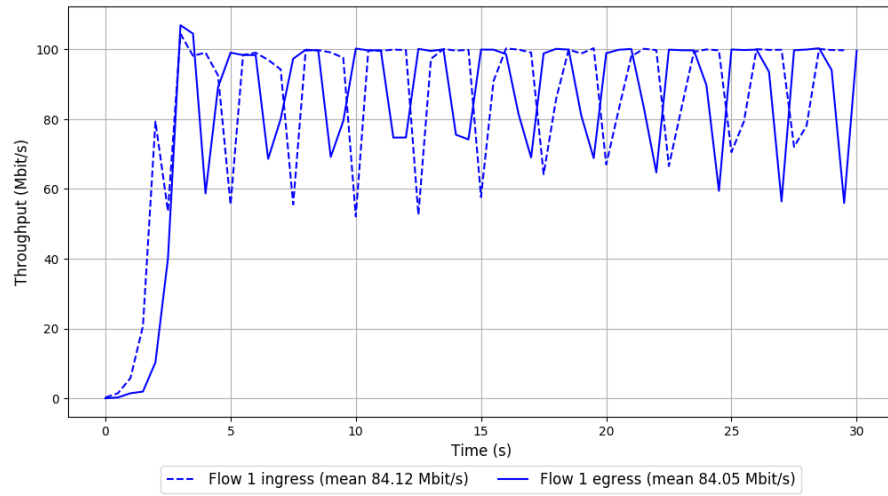


Run 8: Statistics of TCP Vegas

Start at: 2018-07-05 01:54:56
End at: 2018-07-05 01:55:26
Local clock offset: 0.075 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2018-07-05 04:23:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.05 Mbit/s
95th percentile per-packet one-way delay: 146.533 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 84.05 Mbit/s
95th percentile per-packet one-way delay: 146.533 ms
Loss rate: 0.99%

Run 8: Report of TCP Vegas — Data Link

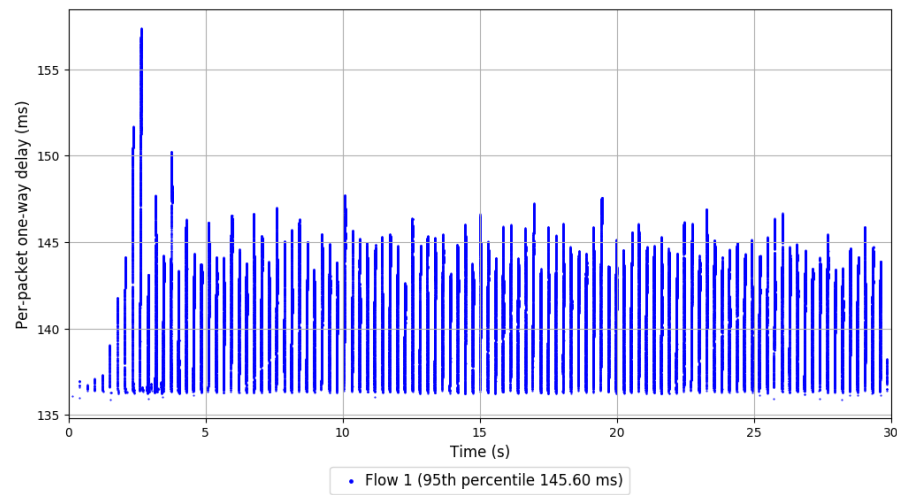
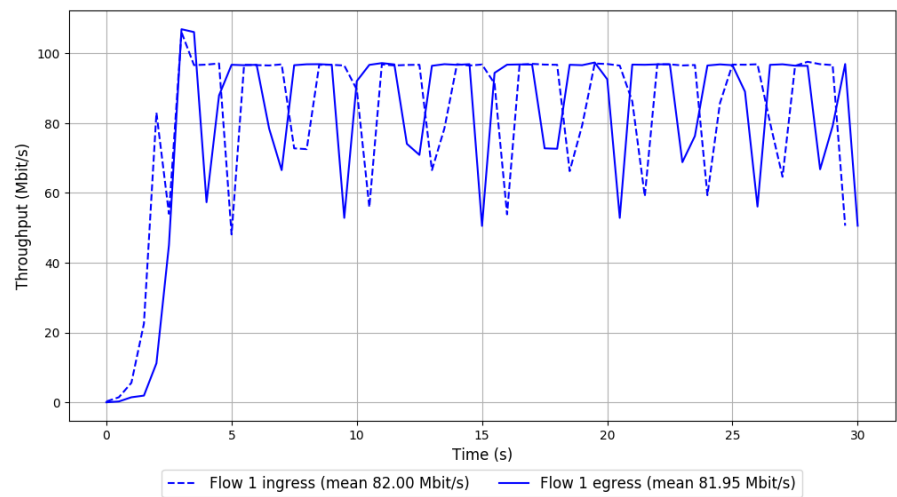


Run 9: Statistics of TCP Vegas

Start at: 2018-07-05 02:17:38
End at: 2018-07-05 02:18:08
Local clock offset: -0.068 ms
Remote clock offset: -0.161 ms

Below is generated by plot.py at 2018-07-05 04:23:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.95 Mbit/s
95th percentile per-packet one-way delay: 145.605 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 81.95 Mbit/s
95th percentile per-packet one-way delay: 145.605 ms
Loss rate: 0.98%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-05 02:40:12

End at: 2018-07-05 02:40:42

Local clock offset: -0.178 ms

Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-05 04:23:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.23 Mbit/s

95th percentile per-packet one-way delay: 141.509 ms

Loss rate: 0.97%

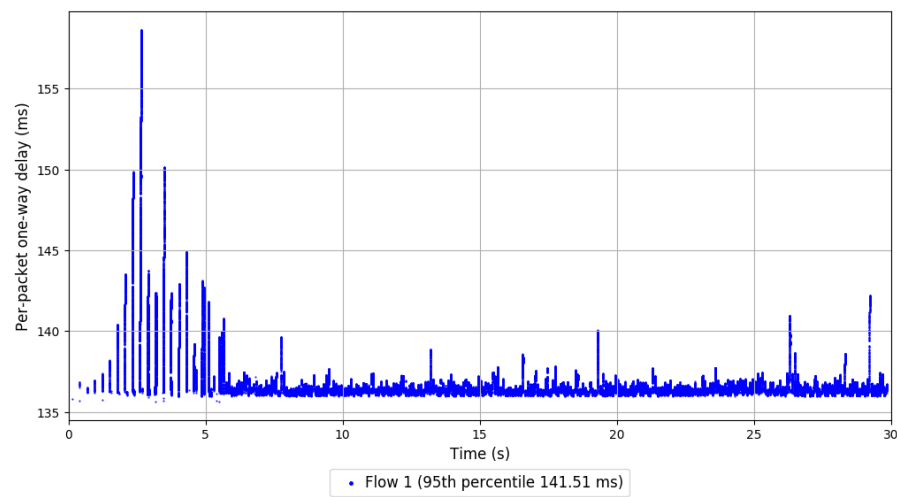
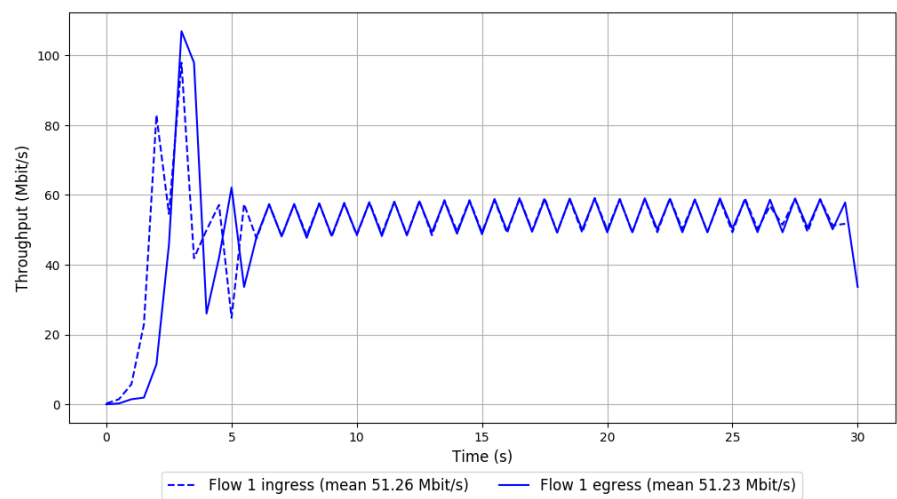
-- Flow 1:

Average throughput: 51.23 Mbit/s

95th percentile per-packet one-way delay: 141.509 ms

Loss rate: 0.97%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-04 23:10:50

End at: 2018-07-04 23:11:20

Local clock offset: -0.214 ms

Remote clock offset: 0.208 ms

Below is generated by plot.py at 2018-07-05 04:24:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 137.94 Mbit/s

95th percentile per-packet one-way delay: 280.657 ms

Loss rate: 3.71%

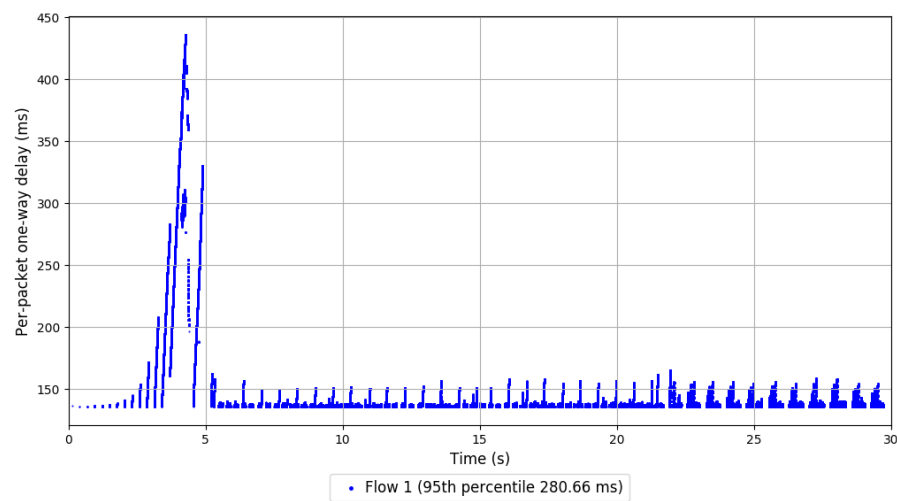
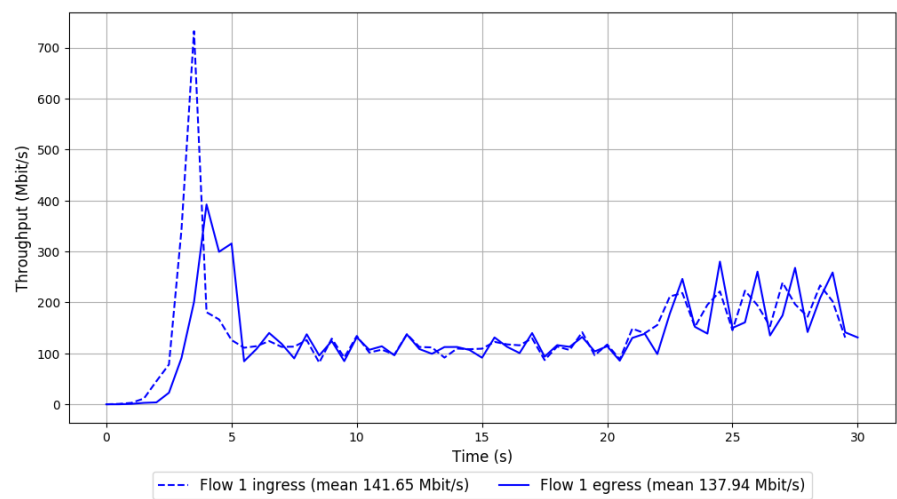
-- Flow 1:

Average throughput: 137.94 Mbit/s

95th percentile per-packet one-way delay: 280.657 ms

Loss rate: 3.71%

Run 1: Report of Verus — Data Link

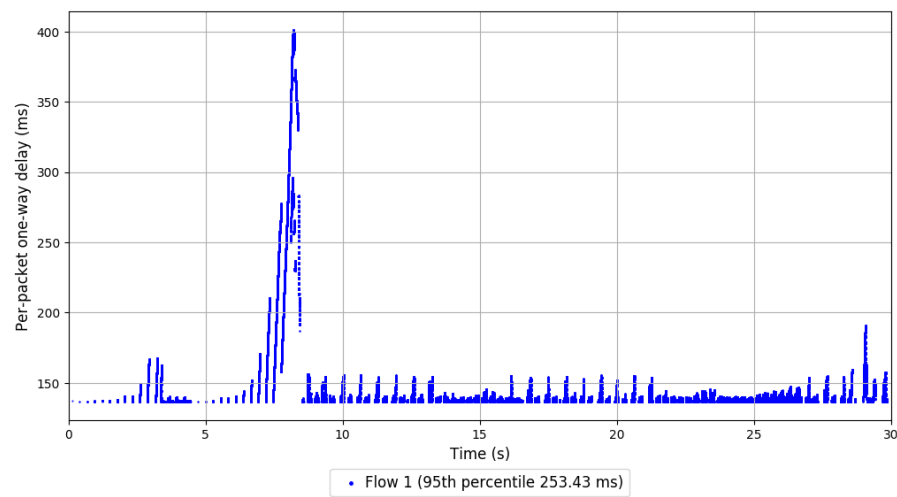
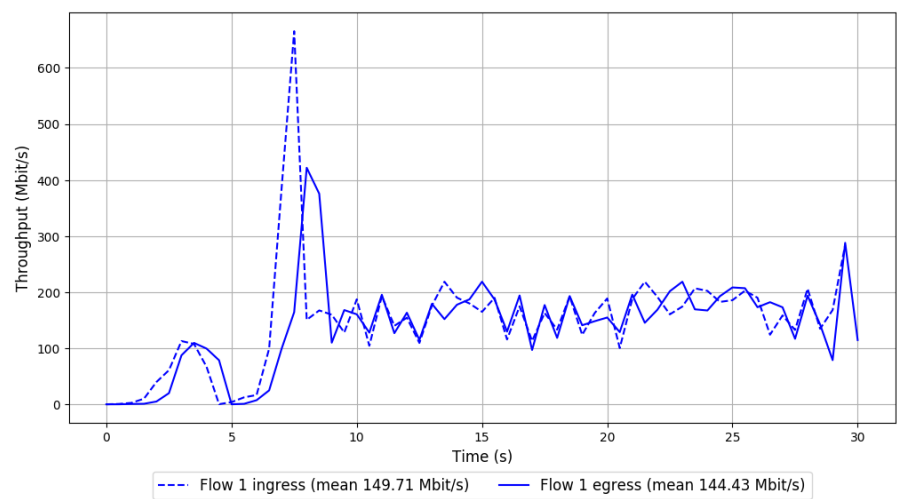


Run 2: Statistics of Verus

Start at: 2018-07-04 23:33:18
End at: 2018-07-04 23:33:48
Local clock offset: -0.056 ms
Remote clock offset: -0.526 ms

Below is generated by plot.py at 2018-07-05 04:25:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 144.43 Mbit/s
95th percentile per-packet one-way delay: 253.431 ms
Loss rate: 4.41%
-- Flow 1:
Average throughput: 144.43 Mbit/s
95th percentile per-packet one-way delay: 253.431 ms
Loss rate: 4.41%

Run 2: Report of Verus — Data Link

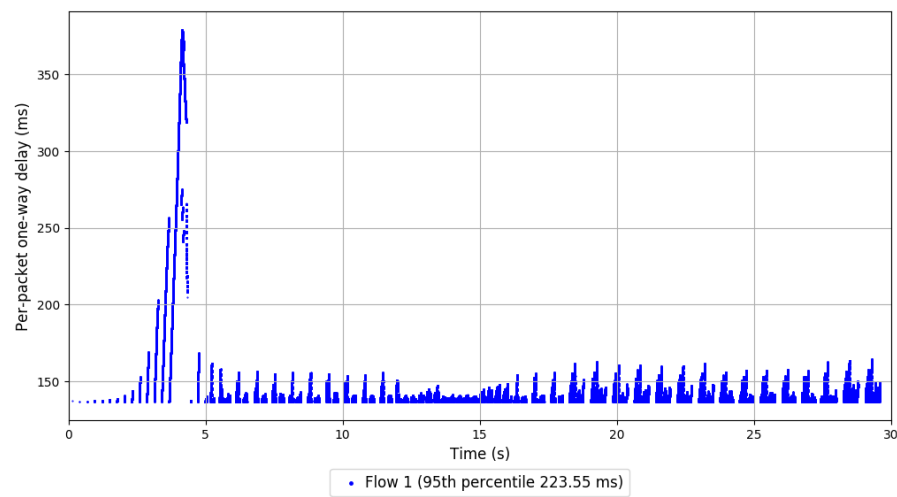
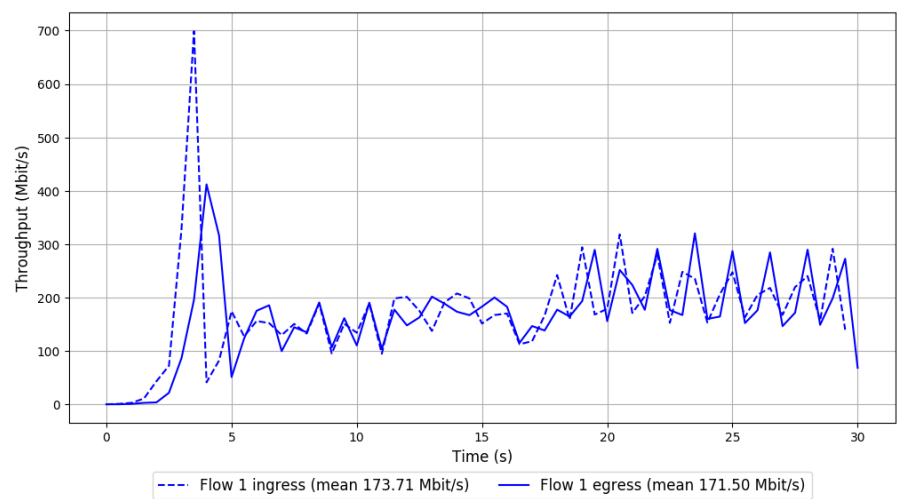


Run 3: Statistics of Verus

Start at: 2018-07-04 23:56:19
End at: 2018-07-04 23:56:49
Local clock offset: -0.039 ms
Remote clock offset: -0.541 ms

Below is generated by plot.py at 2018-07-05 04:26:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 171.50 Mbit/s
95th percentile per-packet one-way delay: 223.550 ms
Loss rate: 2.86%
-- Flow 1:
Average throughput: 171.50 Mbit/s
95th percentile per-packet one-way delay: 223.550 ms
Loss rate: 2.86%

Run 3: Report of Verus — Data Link

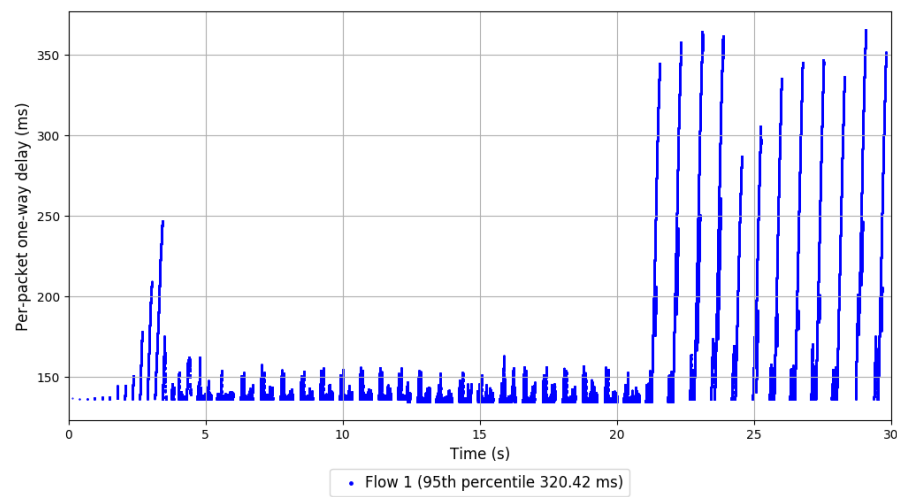
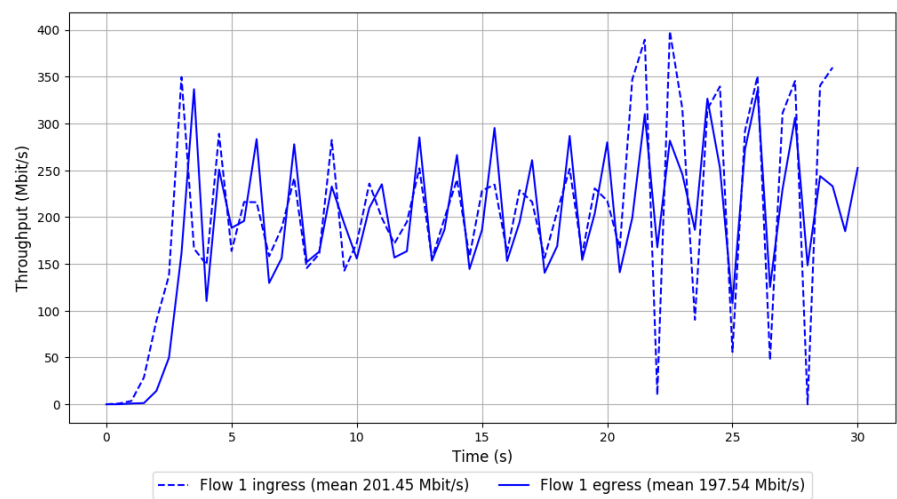


Run 4: Statistics of Verus

Start at: 2018-07-05 00:18:48
End at: 2018-07-05 00:19:18
Local clock offset: 0.024 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-07-05 04:26:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 197.54 Mbit/s
95th percentile per-packet one-way delay: 320.421 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 197.54 Mbit/s
95th percentile per-packet one-way delay: 320.421 ms
Loss rate: 1.24%

Run 4: Report of Verus — Data Link

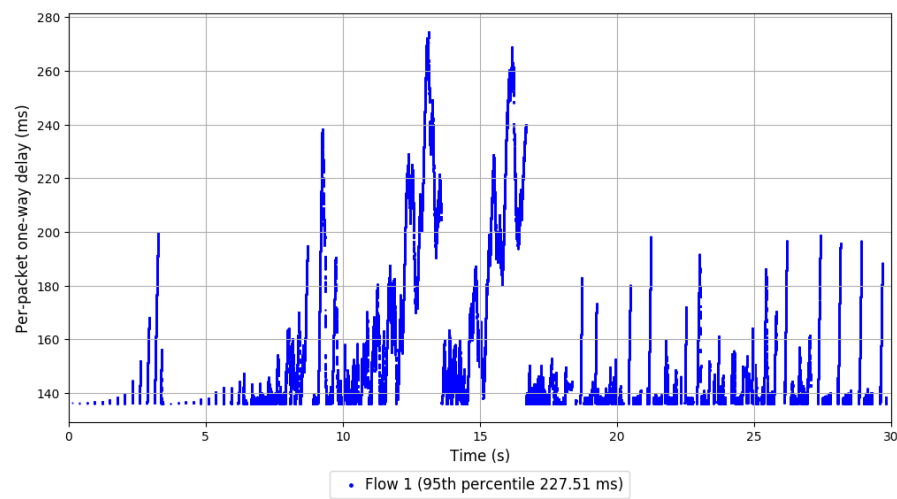
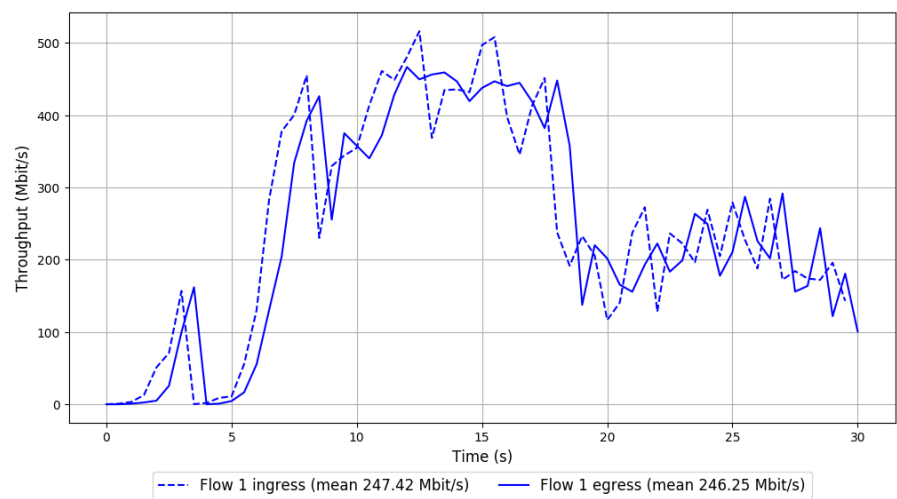


Run 5: Statistics of Verus

Start at: 2018-07-05 00:41:50
End at: 2018-07-05 00:42:20
Local clock offset: 0.136 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-05 04:27:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 246.25 Mbit/s
95th percentile per-packet one-way delay: 227.507 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 246.25 Mbit/s
95th percentile per-packet one-way delay: 227.507 ms
Loss rate: 1.20%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-05 01:04:49

End at: 2018-07-05 01:05:19

Local clock offset: -0.168 ms

Remote clock offset: -0.42 ms

Below is generated by plot.py at 2018-07-05 04:27:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 160.55 Mbit/s

95th percentile per-packet one-way delay: 205.659 ms

Loss rate: 1.73%

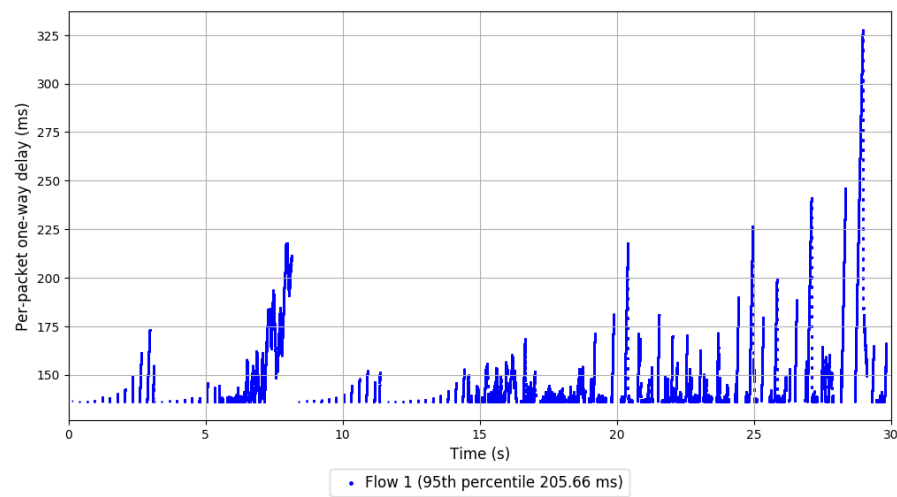
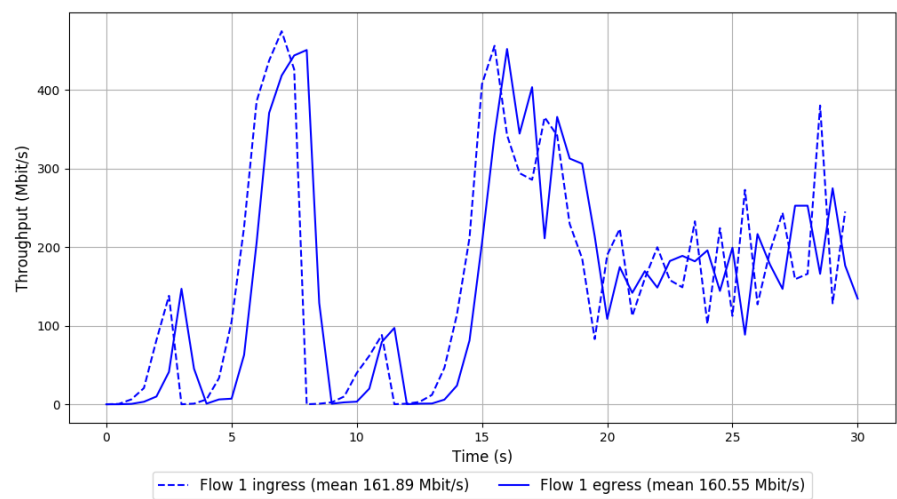
-- Flow 1:

Average throughput: 160.55 Mbit/s

95th percentile per-packet one-way delay: 205.659 ms

Loss rate: 1.73%

Run 6: Report of Verus — Data Link

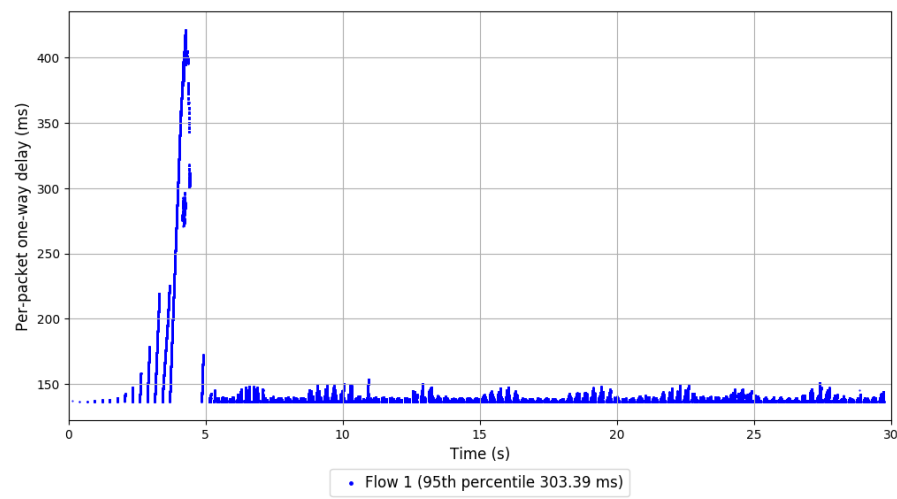
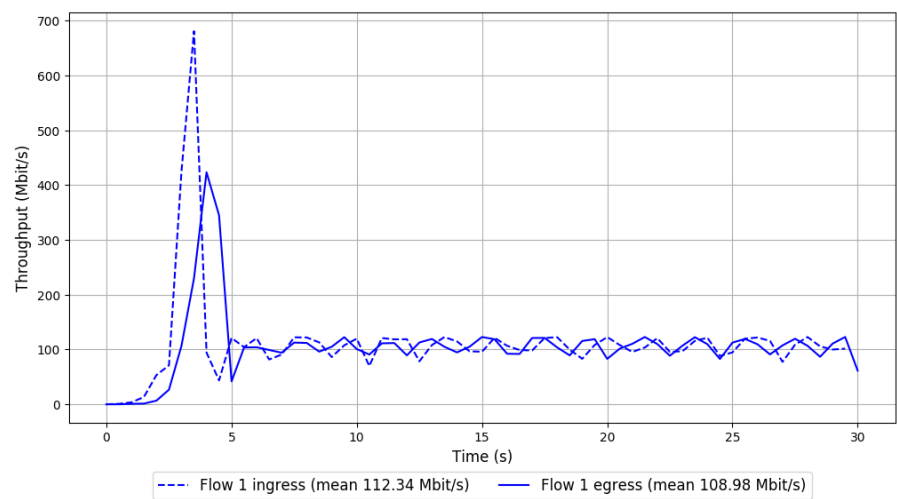


Run 7: Statistics of Verus

Start at: 2018-07-05 01:27:44
End at: 2018-07-05 01:28:14
Local clock offset: 0.084 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-07-05 04:27:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 108.98 Mbit/s
95th percentile per-packet one-way delay: 303.387 ms
Loss rate: 3.92%
-- Flow 1:
Average throughput: 108.98 Mbit/s
95th percentile per-packet one-way delay: 303.387 ms
Loss rate: 3.92%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-05 01:50:57

End at: 2018-07-05 01:51:27

Local clock offset: -0.092 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-07-05 04:27:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 114.86 Mbit/s

95th percentile per-packet one-way delay: 219.942 ms

Loss rate: 0.88%

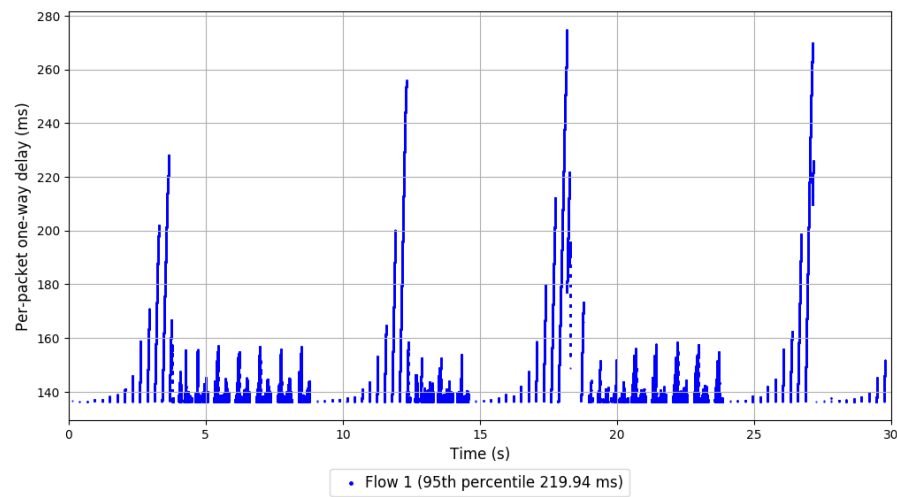
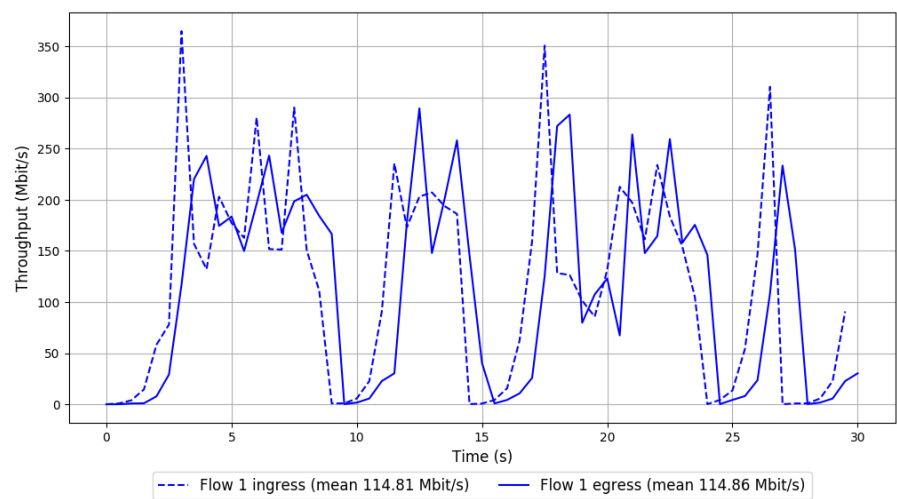
-- Flow 1:

Average throughput: 114.86 Mbit/s

95th percentile per-packet one-way delay: 219.942 ms

Loss rate: 0.88%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-05 02:13:31

End at: 2018-07-05 02:14:01

Local clock offset: -0.163 ms

Remote clock offset: 0.217 ms

Below is generated by plot.py at 2018-07-05 04:27:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 166.16 Mbit/s

95th percentile per-packet one-way delay: 197.214 ms

Loss rate: 1.78%

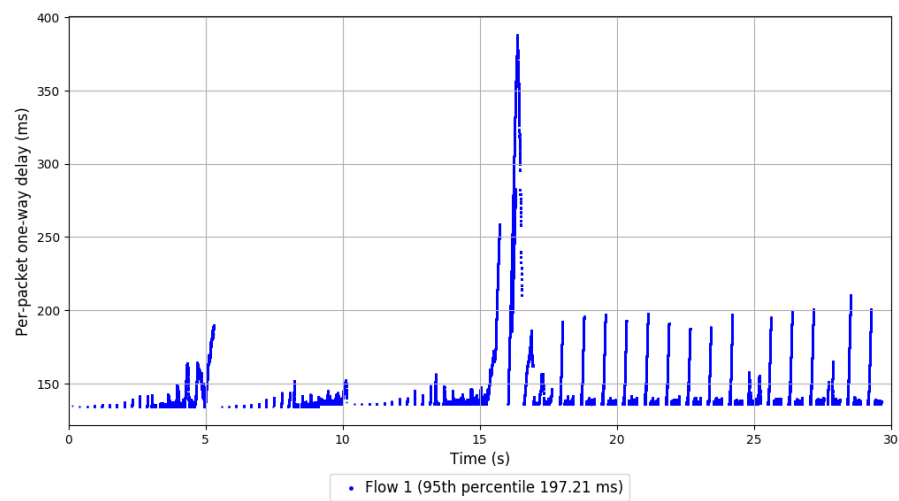
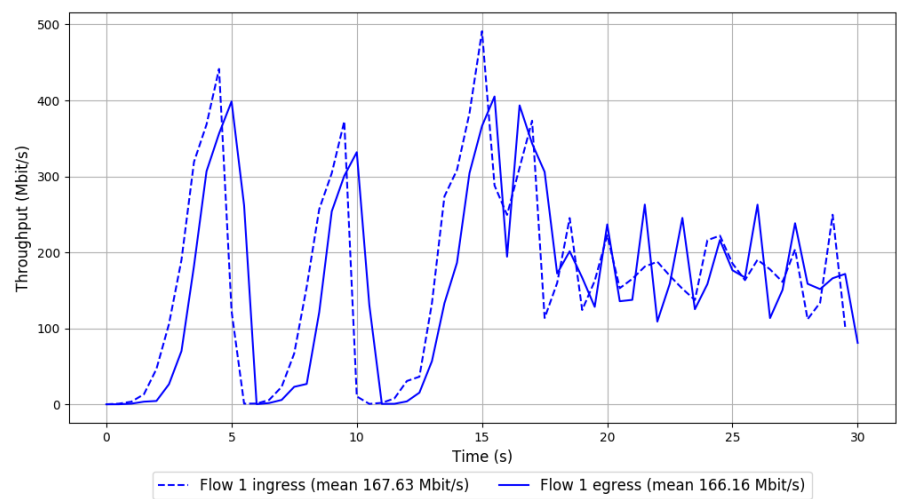
-- Flow 1:

Average throughput: 166.16 Mbit/s

95th percentile per-packet one-way delay: 197.214 ms

Loss rate: 1.78%

Run 9: Report of Verus — Data Link

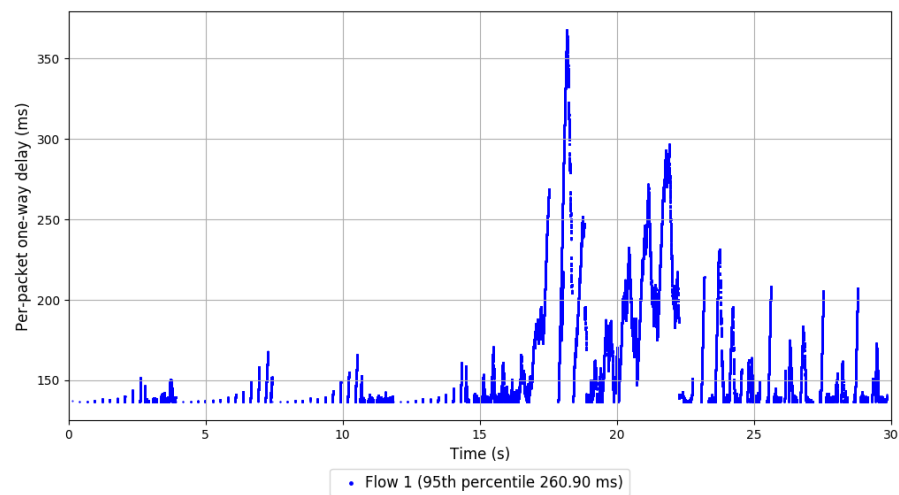
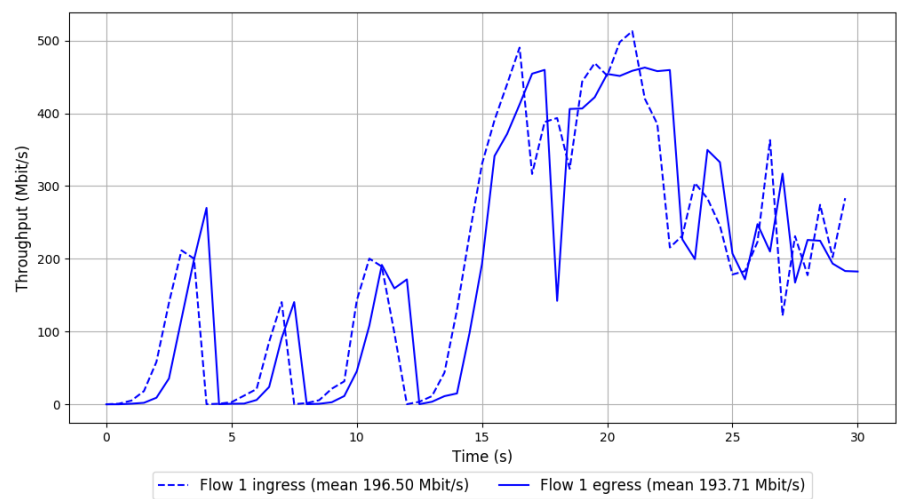


Run 10: Statistics of Verus

Start at: 2018-07-05 02:36:03
End at: 2018-07-05 02:36:33
Local clock offset: 0.256 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-07-05 04:28:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 193.71 Mbit/s
95th percentile per-packet one-way delay: 260.905 ms
Loss rate: 2.32%
-- Flow 1:
Average throughput: 193.71 Mbit/s
95th percentile per-packet one-way delay: 260.905 ms
Loss rate: 2.32%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-04 23:21:34

End at: 2018-07-04 23:22:04

Local clock offset: -0.037 ms

Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-07-05 04:29:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.31 Mbit/s

95th percentile per-packet one-way delay: 187.012 ms

Loss rate: 2.45%

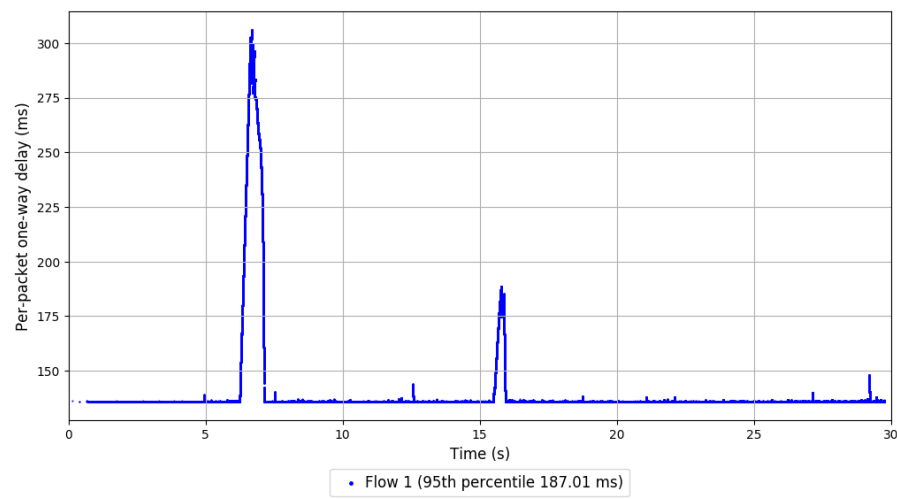
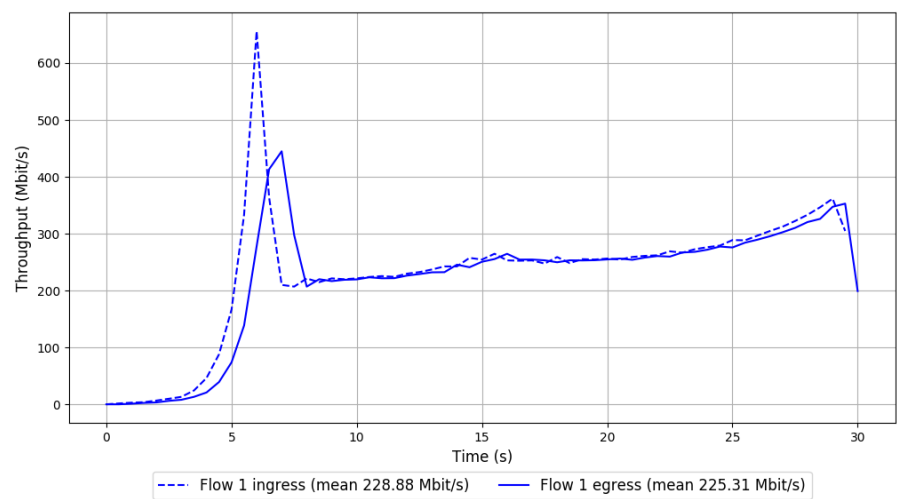
-- Flow 1:

Average throughput: 225.31 Mbit/s

95th percentile per-packet one-way delay: 187.012 ms

Loss rate: 2.45%

Run 1: Report of PCC-Vivace — Data Link

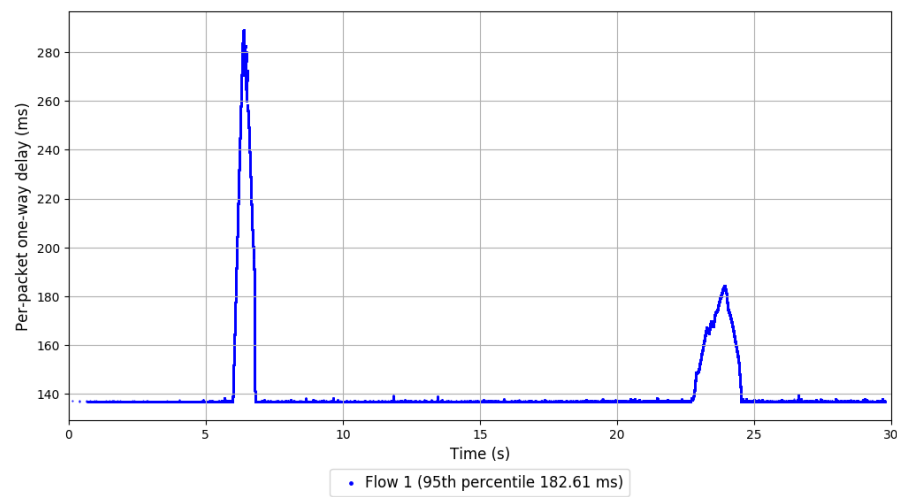
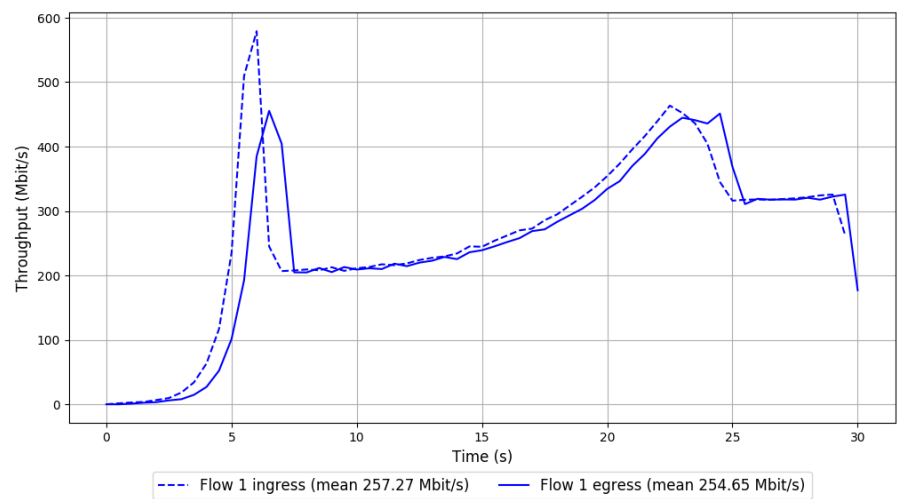


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-04 23:44:17
End at: 2018-07-04 23:44:47
Local clock offset: 0.19 ms
Remote clock offset: -0.525 ms

Below is generated by plot.py at 2018-07-05 04:30:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 254.65 Mbit/s
95th percentile per-packet one-way delay: 182.612 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 254.65 Mbit/s
95th percentile per-packet one-way delay: 182.612 ms
Loss rate: 1.93%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-05 00:06:59

End at: 2018-07-05 00:07:29

Local clock offset: 0.011 ms

Remote clock offset: 0.197 ms

Below is generated by plot.py at 2018-07-05 04:31:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 259.14 Mbit/s

95th percentile per-packet one-way delay: 172.984 ms

Loss rate: 2.38%

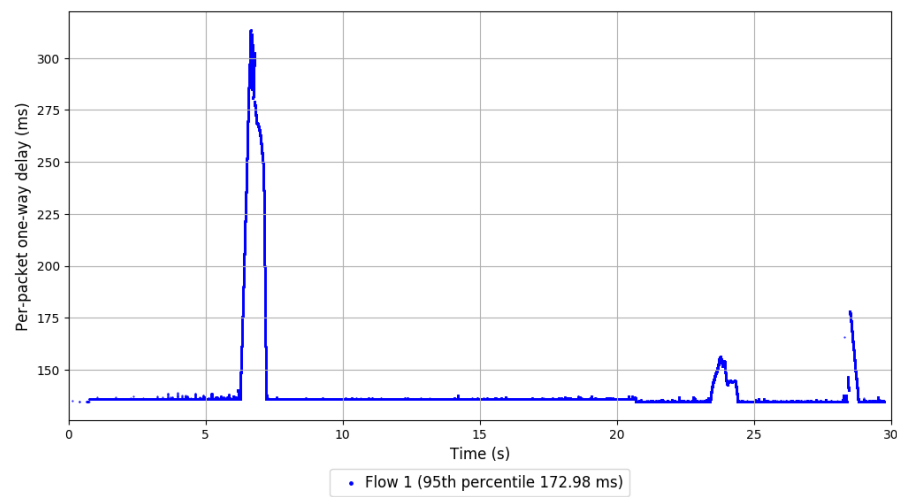
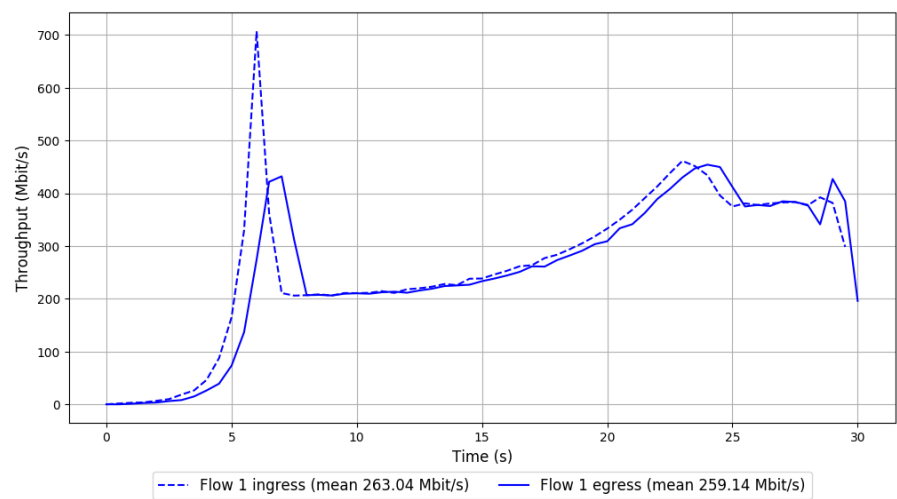
-- Flow 1:

Average throughput: 259.14 Mbit/s

95th percentile per-packet one-way delay: 172.984 ms

Loss rate: 2.38%

Run 3: Report of PCC-Vivace — Data Link

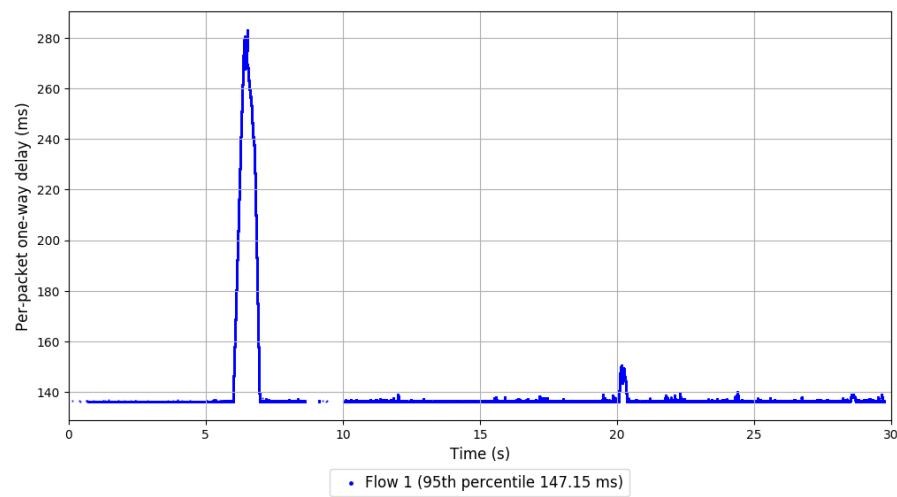
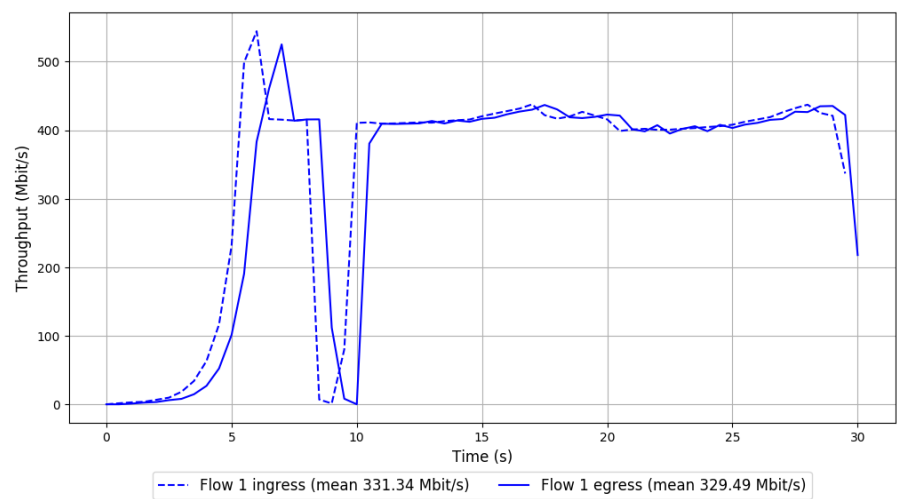


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-05 00:29:46
End at: 2018-07-05 00:30:16
Local clock offset: -0.093 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-07-05 04:32:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 329.49 Mbit/s
95th percentile per-packet one-way delay: 147.146 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 329.49 Mbit/s
95th percentile per-packet one-way delay: 147.146 ms
Loss rate: 1.46%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-05 00:52:54

End at: 2018-07-05 00:53:24

Local clock offset: -0.06 ms

Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-05 04:32:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 326.33 Mbit/s

95th percentile per-packet one-way delay: 146.322 ms

Loss rate: 1.21%

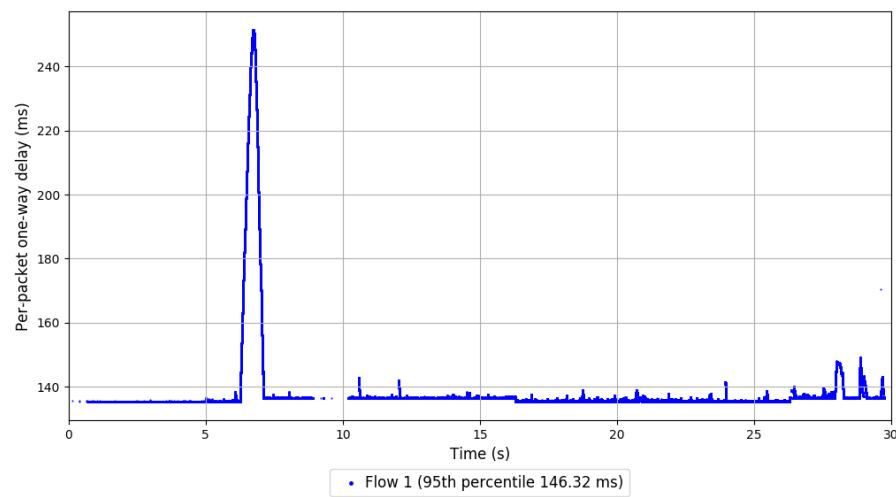
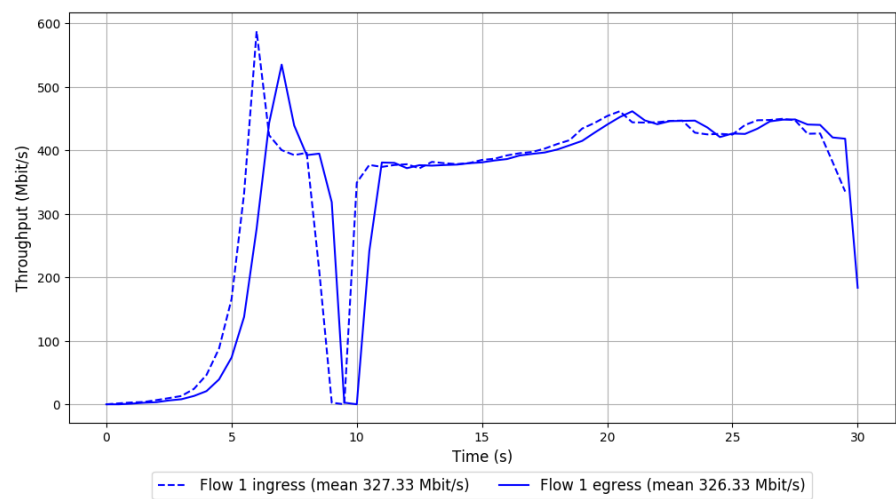
-- Flow 1:

Average throughput: 326.33 Mbit/s

95th percentile per-packet one-way delay: 146.322 ms

Loss rate: 1.21%

Run 5: Report of PCC-Vivace — Data Link

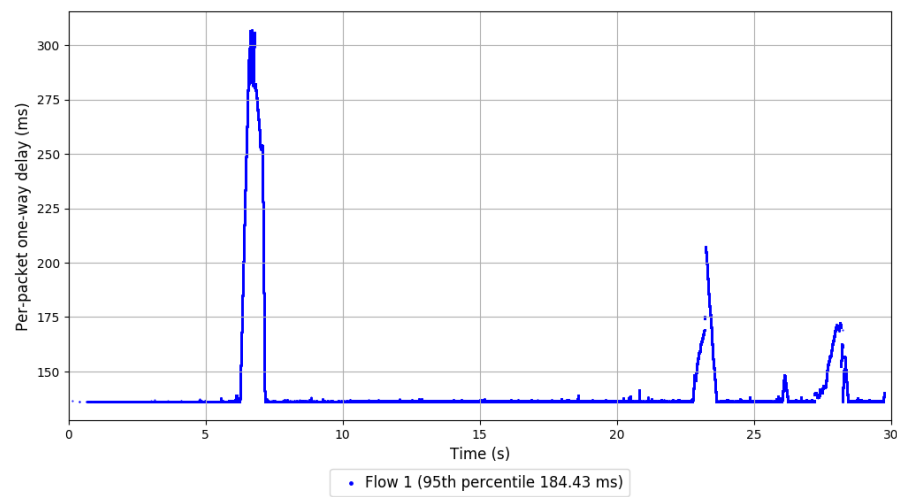
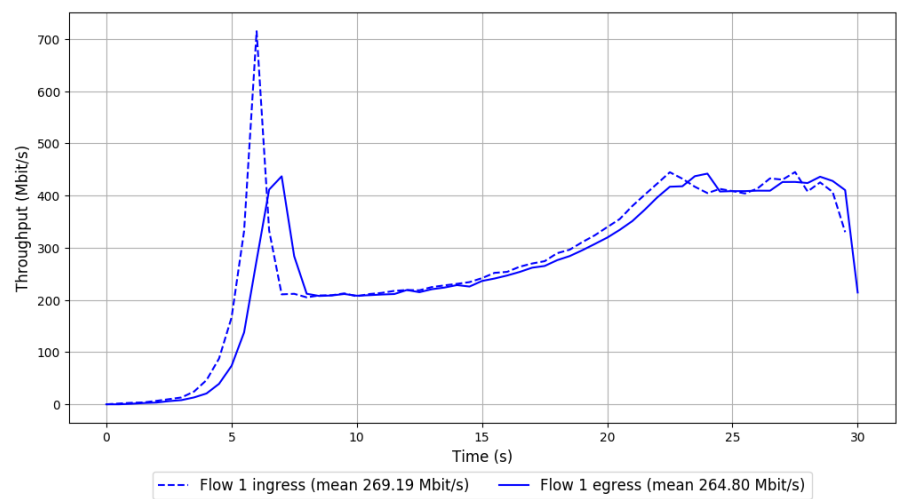


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-05 01:15:50
End at: 2018-07-05 01:16:20
Local clock offset: -0.076 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-05 04:32:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 264.80 Mbit/s
95th percentile per-packet one-way delay: 184.430 ms
Loss rate: 2.53%
-- Flow 1:
Average throughput: 264.80 Mbit/s
95th percentile per-packet one-way delay: 184.430 ms
Loss rate: 2.53%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-05 01:38:40

End at: 2018-07-05 01:39:10

Local clock offset: 0.23 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-07-05 04:33:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 319.73 Mbit/s

95th percentile per-packet one-way delay: 142.752 ms

Loss rate: 1.20%

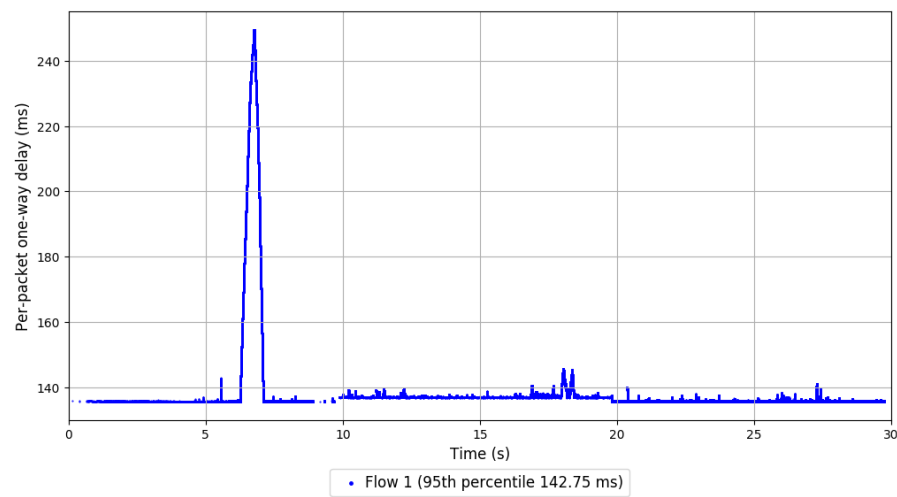
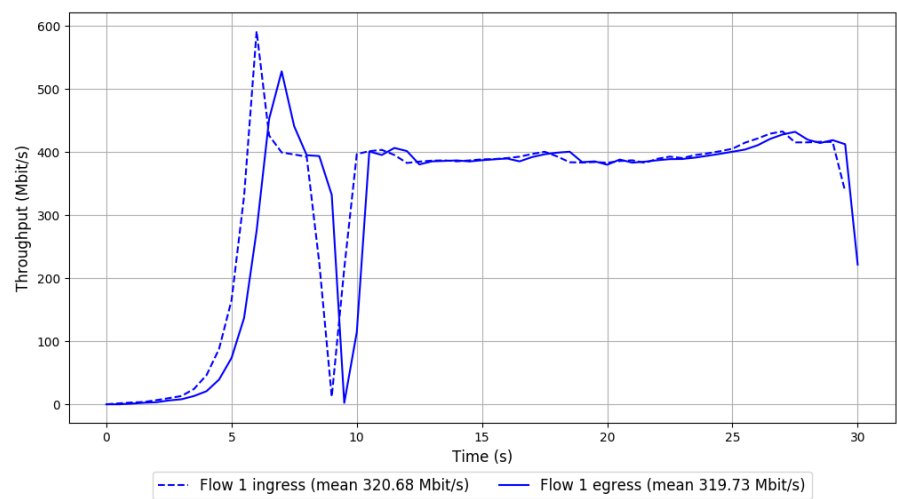
-- Flow 1:

Average throughput: 319.73 Mbit/s

95th percentile per-packet one-way delay: 142.752 ms

Loss rate: 1.20%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-05 02:01:31

End at: 2018-07-05 02:02:01

Local clock offset: -0.069 ms

Remote clock offset: 0.243 ms

Below is generated by plot.py at 2018-07-05 04:33:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 337.83 Mbit/s

95th percentile per-packet one-way delay: 226.320 ms

Loss rate: 1.80%

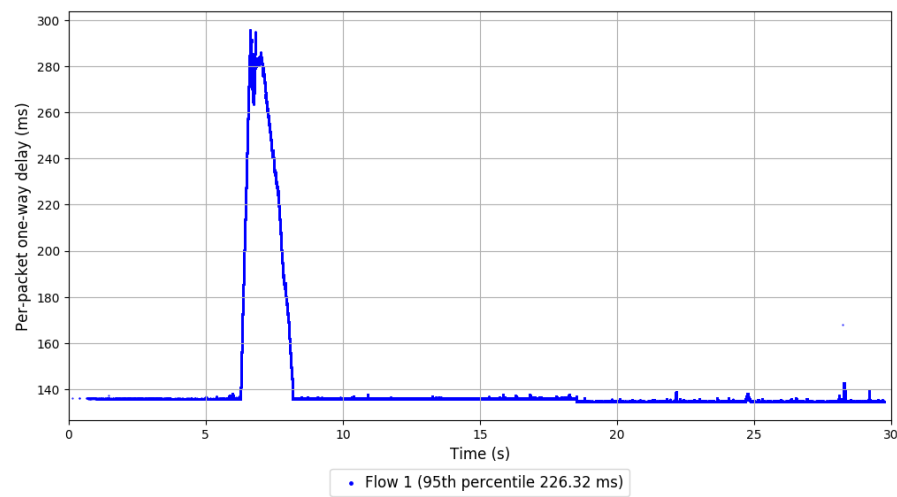
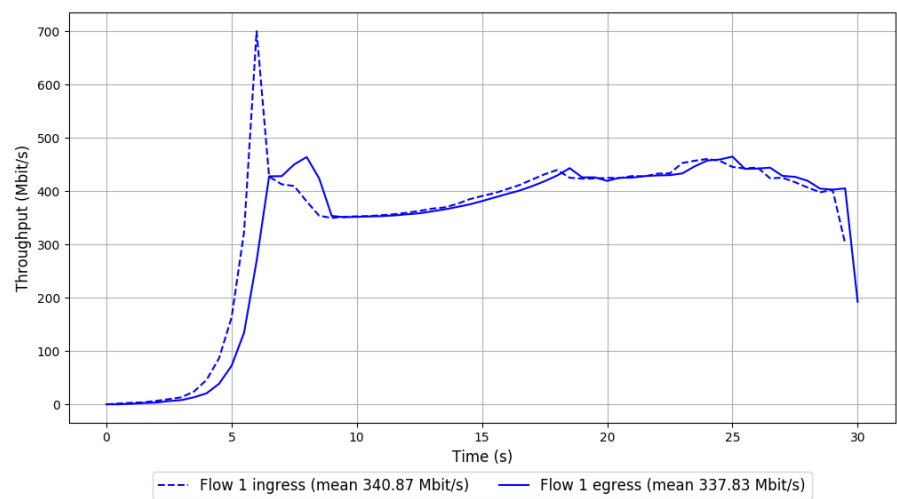
-- Flow 1:

Average throughput: 337.83 Mbit/s

95th percentile per-packet one-way delay: 226.320 ms

Loss rate: 1.80%

Run 8: Report of PCC-Vivace — Data Link

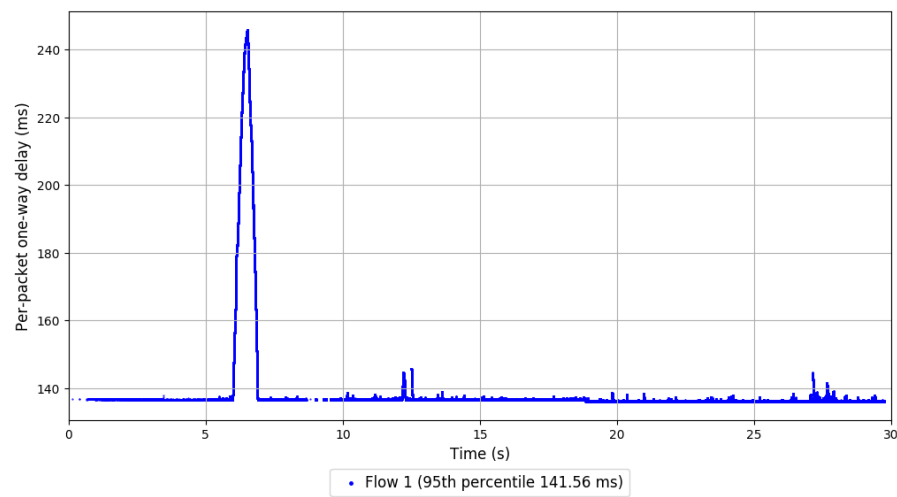
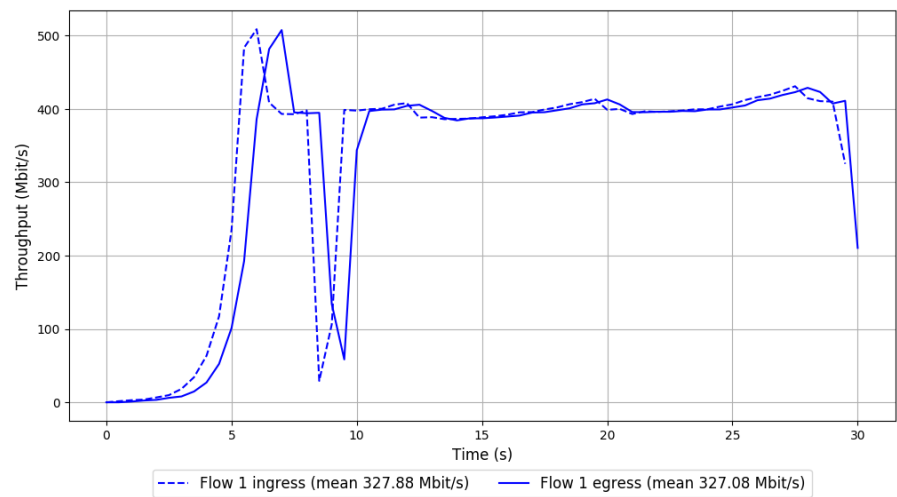


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-05 02:24:11
End at: 2018-07-05 02:24:41
Local clock offset: -0.027 ms
Remote clock offset: -0.484 ms

Below is generated by plot.py at 2018-07-05 04:34:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 327.08 Mbit/s
95th percentile per-packet one-way delay: 141.559 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 327.08 Mbit/s
95th percentile per-packet one-way delay: 141.559 ms
Loss rate: 1.16%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-05 02:46:45

End at: 2018-07-05 02:47:15

Local clock offset: 0.013 ms

Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-07-05 04:34:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 284.44 Mbit/s

95th percentile per-packet one-way delay: 140.399 ms

Loss rate: 2.30%

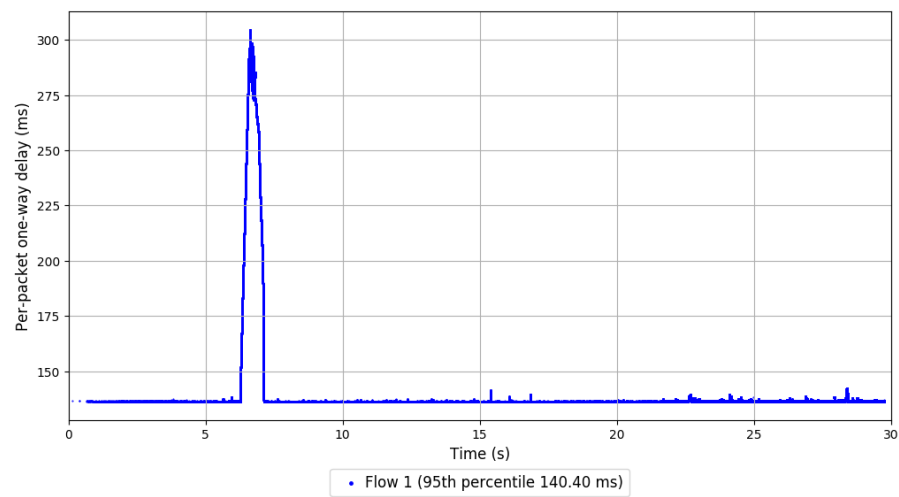
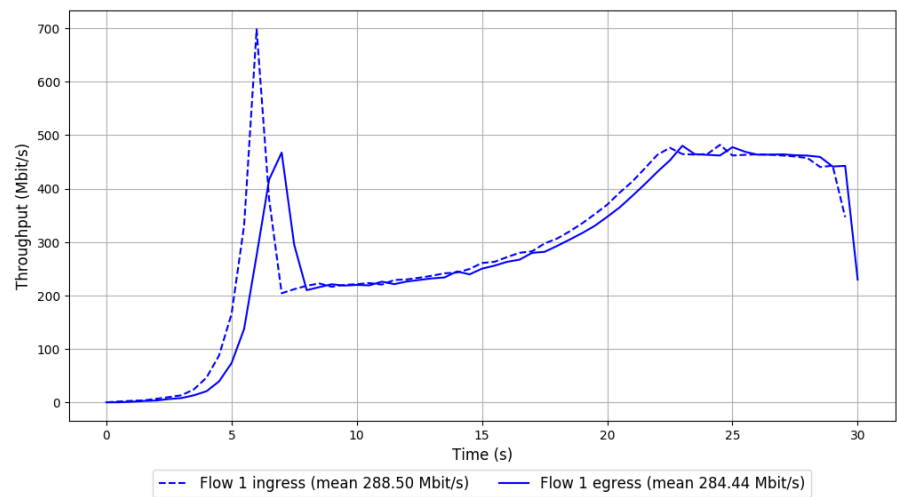
-- Flow 1:

Average throughput: 284.44 Mbit/s

95th percentile per-packet one-way delay: 140.399 ms

Loss rate: 2.30%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-04 23:16:14

End at: 2018-07-04 23:16:44

Local clock offset: 0.127 ms

Remote clock offset: -0.497 ms

Below is generated by plot.py at 2018-07-05 04:34:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.55 Mbit/s

95th percentile per-packet one-way delay: 136.976 ms

Loss rate: 1.21%

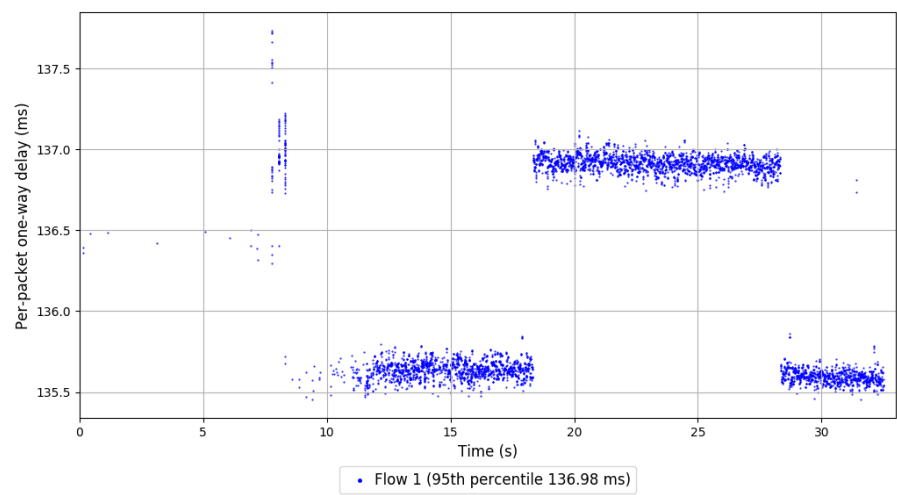
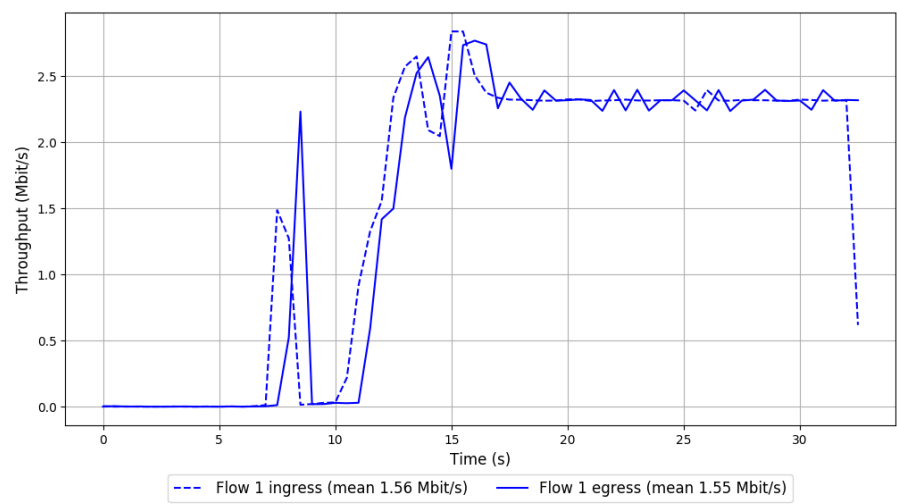
-- Flow 1:

Average throughput: 1.55 Mbit/s

95th percentile per-packet one-way delay: 136.976 ms

Loss rate: 1.21%

Run 1: Report of WebRTC media — Data Link

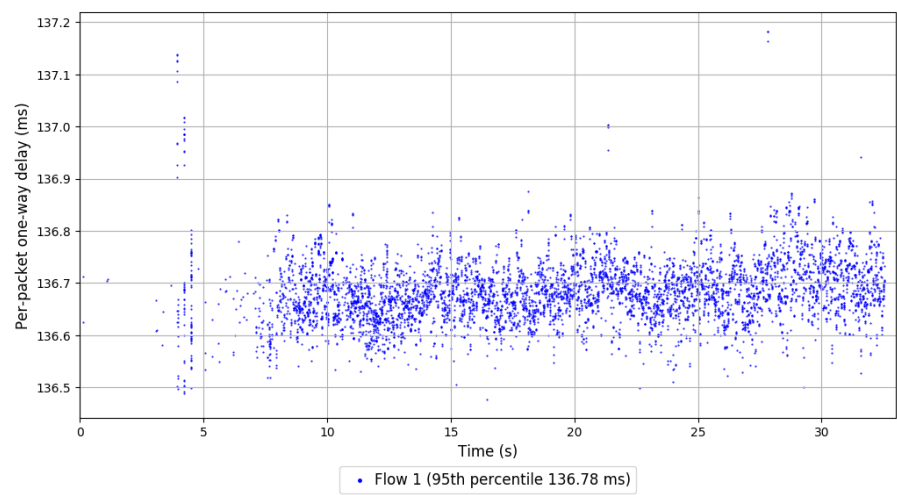
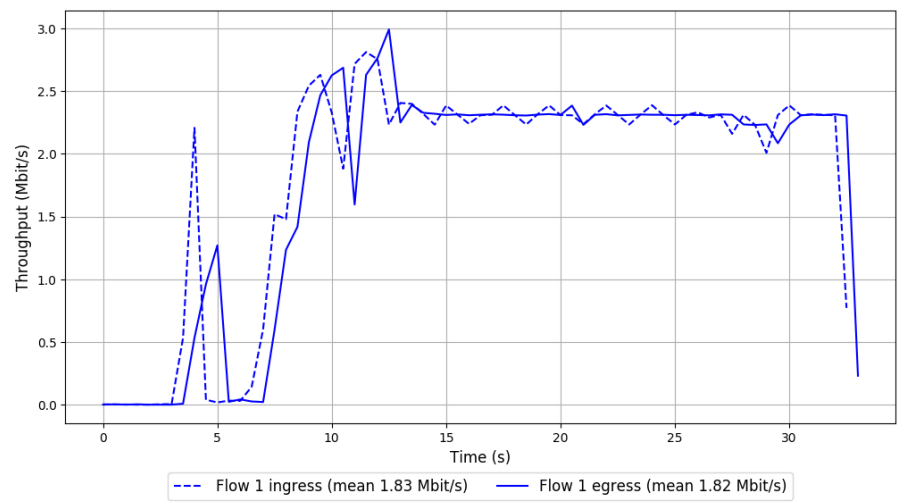


Run 2: Statistics of WebRTC media

Start at: 2018-07-04 23:38:43
End at: 2018-07-04 23:39:13
Local clock offset: -0.092 ms
Remote clock offset: -0.497 ms

Below is generated by plot.py at 2018-07-05 04:34:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 136.780 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 136.780 ms
Loss rate: 1.03%

Run 2: Report of WebRTC media — Data Link

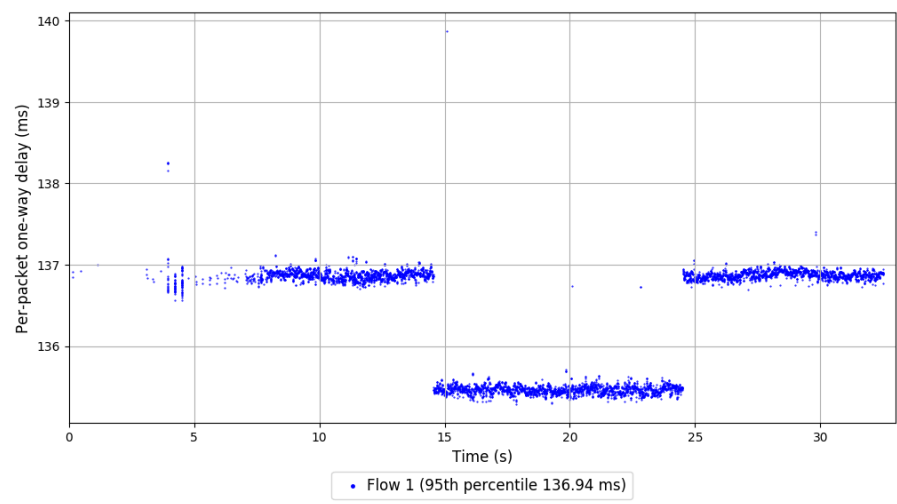
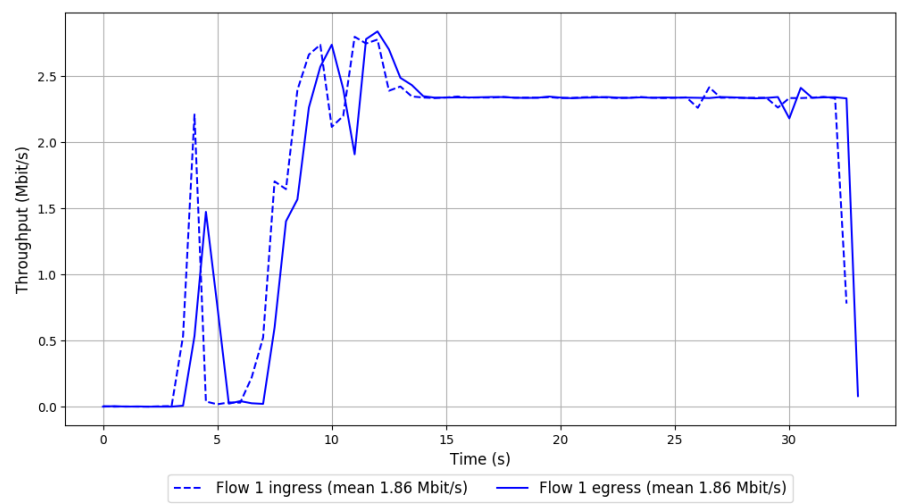


Run 3: Statistics of WebRTC media

Start at: 2018-07-05 00:01:38
End at: 2018-07-05 00:02:08
Local clock offset: 0.024 ms
Remote clock offset: -0.511 ms

Below is generated by plot.py at 2018-07-05 04:34:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 136.942 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 136.942 ms
Loss rate: 1.09%

Run 3: Report of WebRTC media — Data Link

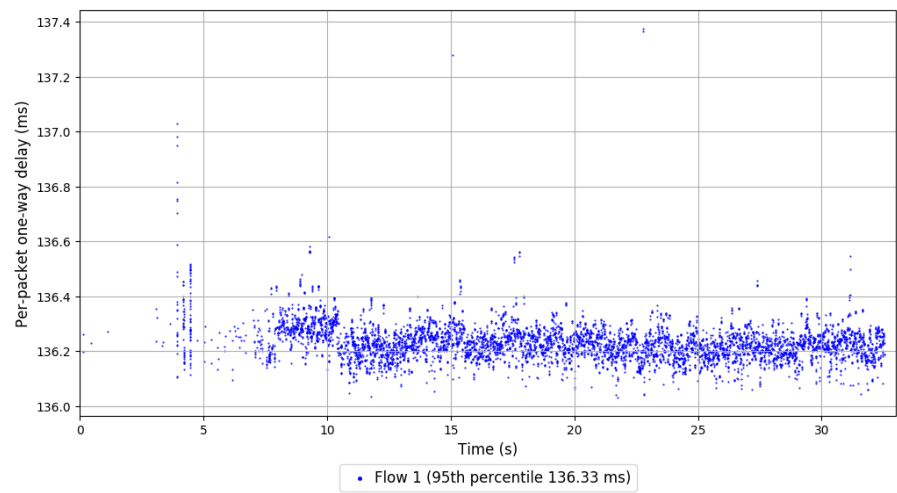
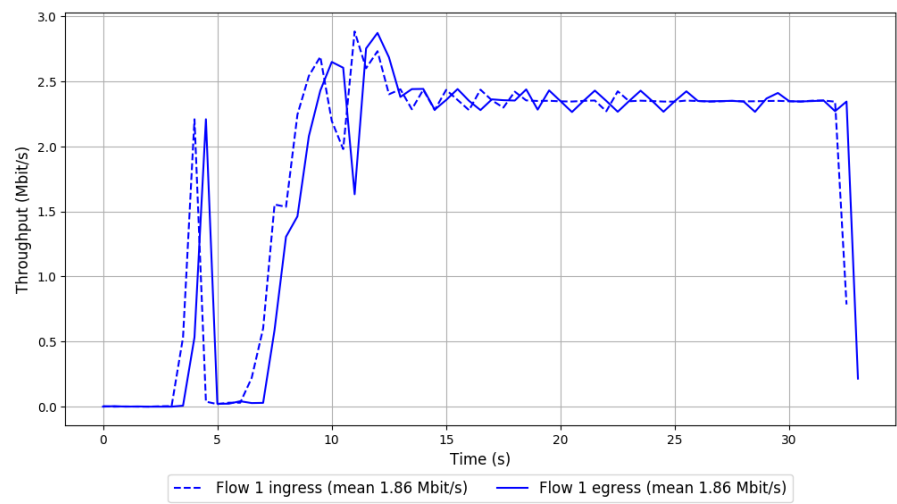


Run 4: Statistics of WebRTC media

Start at: 2018-07-05 00:24:12
End at: 2018-07-05 00:24:42
Local clock offset: -0.167 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-07-05 04:34:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 136.333 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 136.333 ms
Loss rate: 1.05%

Run 4: Report of WebRTC media — Data Link

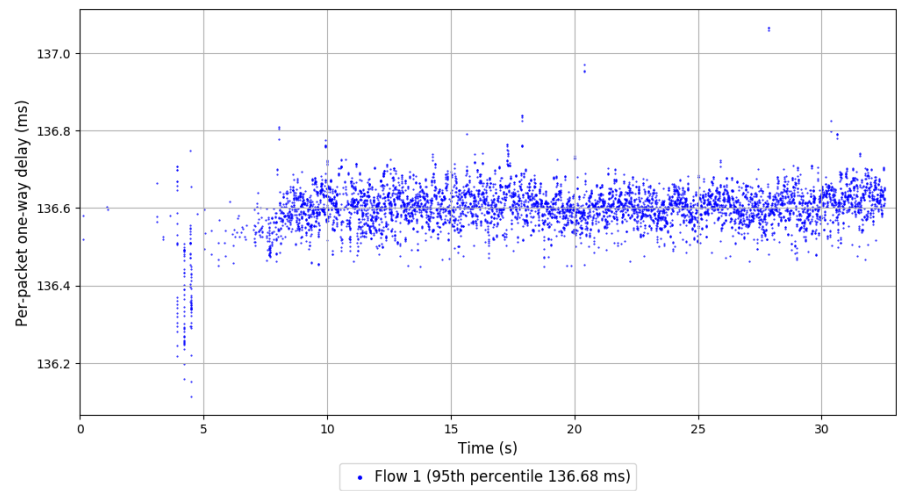
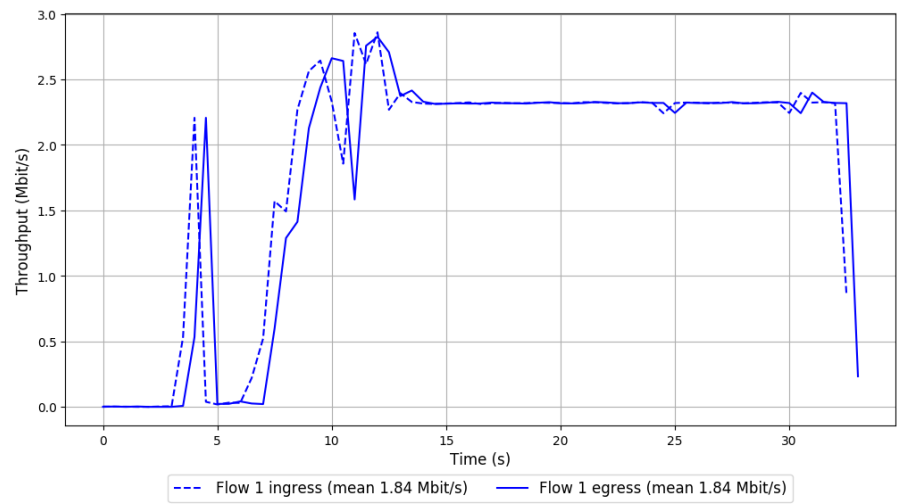


Run 5: Statistics of WebRTC media

Start at: 2018-07-05 00:47:16
End at: 2018-07-05 00:47:46
Local clock offset: -0.166 ms
Remote clock offset: -0.405 ms

Below is generated by plot.py at 2018-07-05 04:34:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 136.677 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 136.677 ms
Loss rate: 1.03%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-05 01:10:11

End at: 2018-07-05 01:10:41

Local clock offset: 0.133 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-07-05 04:34:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 136.601 ms

Loss rate: 1.03%

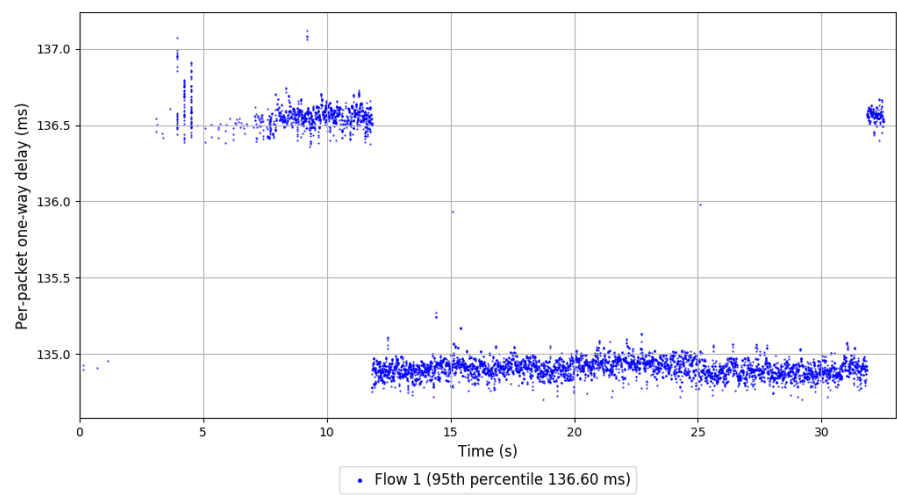
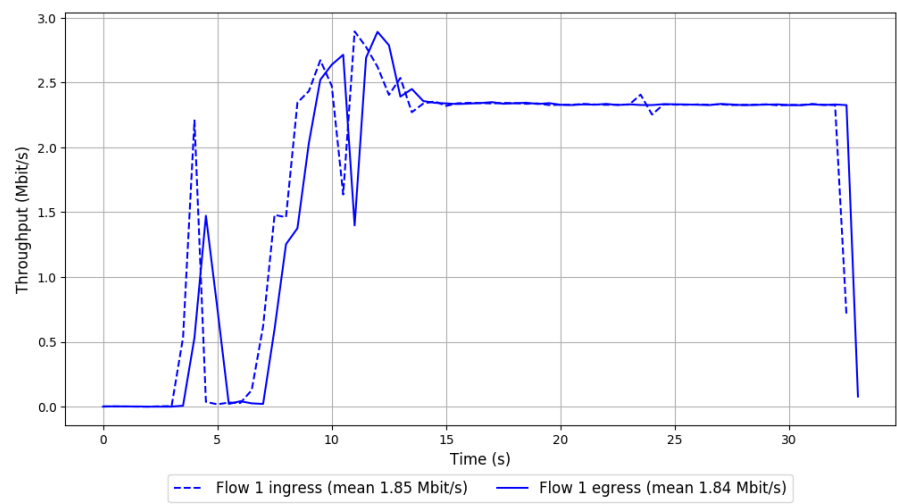
-- Flow 1:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 136.601 ms

Loss rate: 1.03%

Run 6: Report of WebRTC media — Data Link

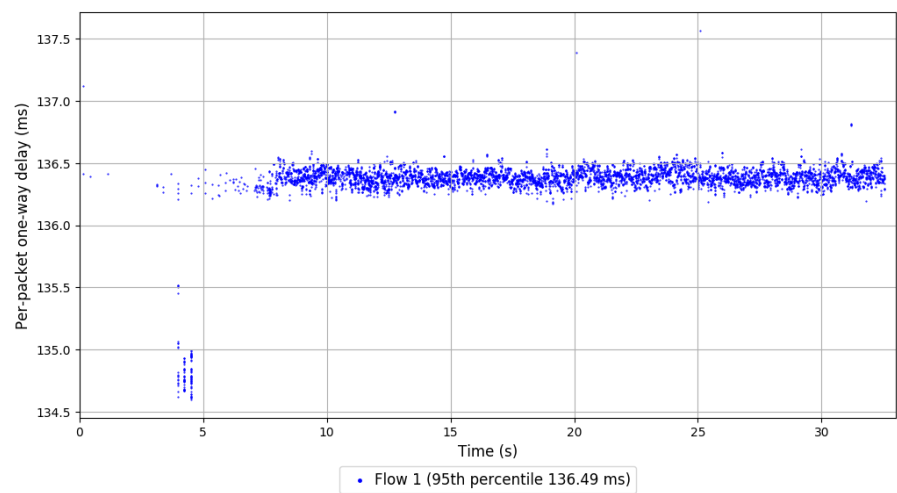
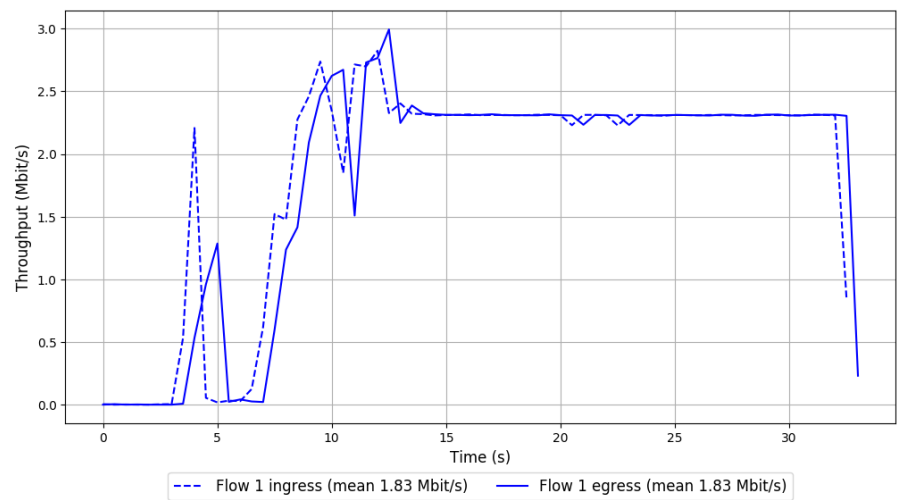


Run 7: Statistics of WebRTC media

Start at: 2018-07-05 01:32:58
End at: 2018-07-05 01:33:28
Local clock offset: -0.076 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-07-05 04:34:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 136.489 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 136.489 ms
Loss rate: 1.03%

Run 7: Report of WebRTC media — Data Link

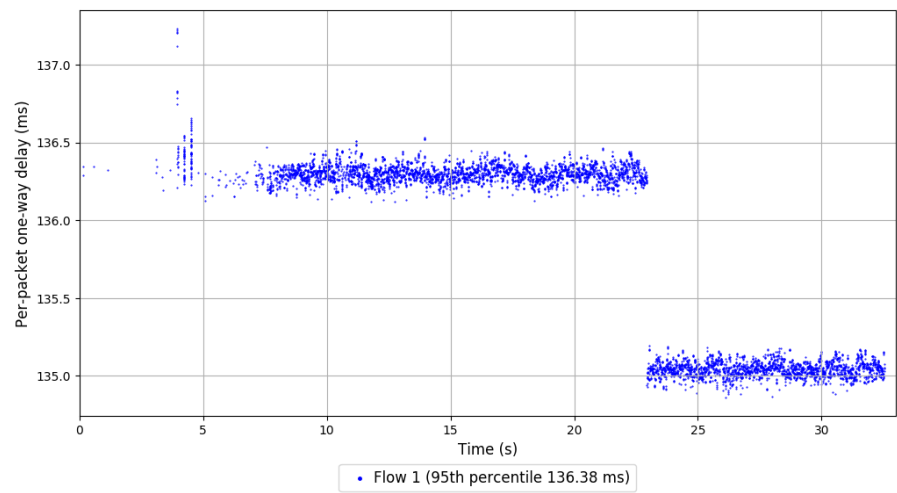
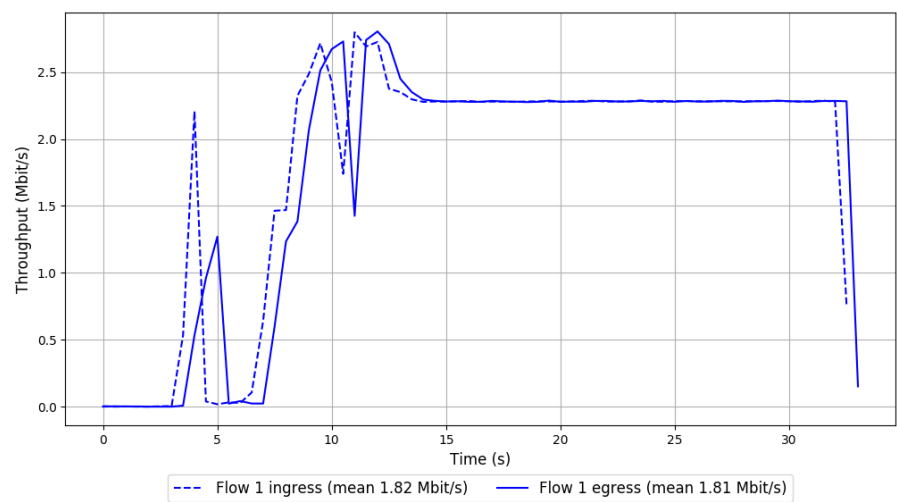


Run 8: Statistics of WebRTC media

Start at: 2018-07-05 01:56:10
End at: 2018-07-05 01:56:40
Local clock offset: -0.146 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-07-05 04:34:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 136.378 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 136.378 ms
Loss rate: 1.03%

Run 8: Report of WebRTC media — Data Link

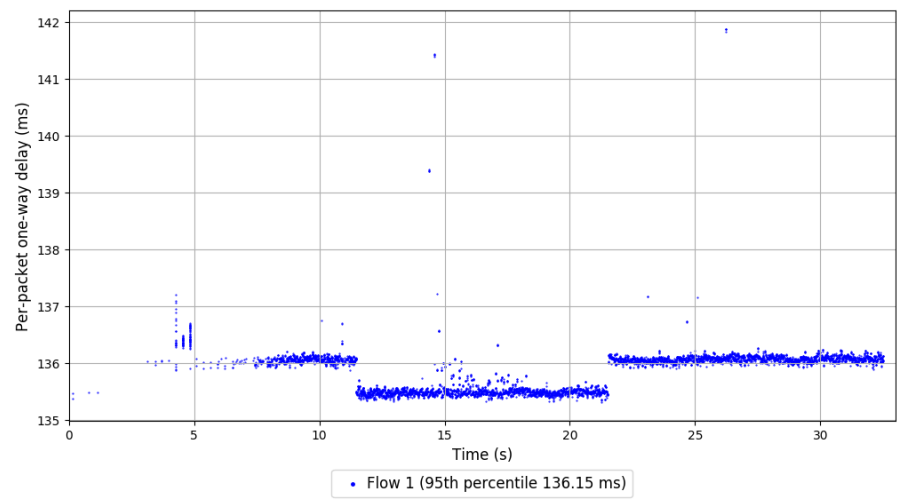
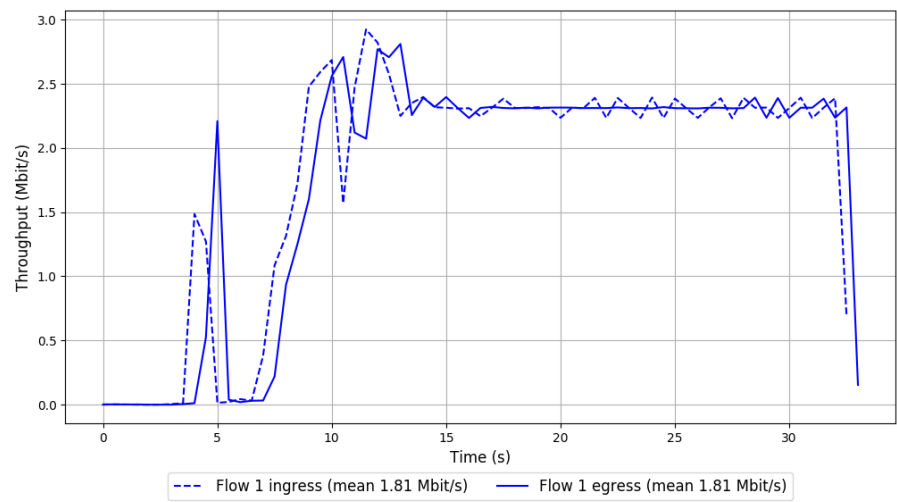


Run 9: Statistics of WebRTC media

Start at: 2018-07-05 02:18:51
End at: 2018-07-05 02:19:21
Local clock offset: -0.087 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2018-07-05 04:34:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 136.152 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 136.152 ms
Loss rate: 1.04%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-05 02:41:24

End at: 2018-07-05 02:41:54

Local clock offset: -0.17 ms

Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-07-05 04:34:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.86 Mbit/s

95th percentile per-packet one-way delay: 136.230 ms

Loss rate: 1.03%

-- Flow 1:

Average throughput: 1.86 Mbit/s

95th percentile per-packet one-way delay: 136.230 ms

Loss rate: 1.03%

Run 10: Report of WebRTC media — Data Link

