

Pantheon Report

Generated at 2018-07-11 14:24:56 (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.

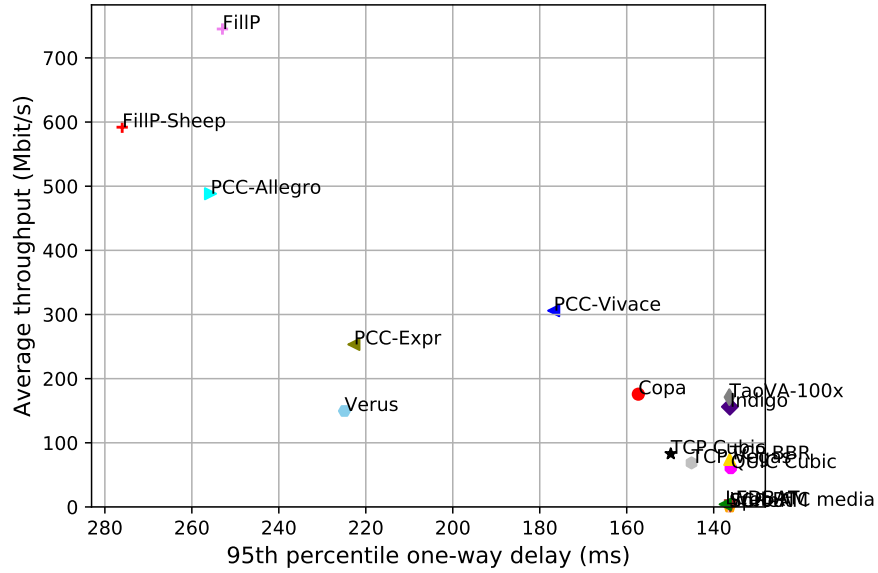
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

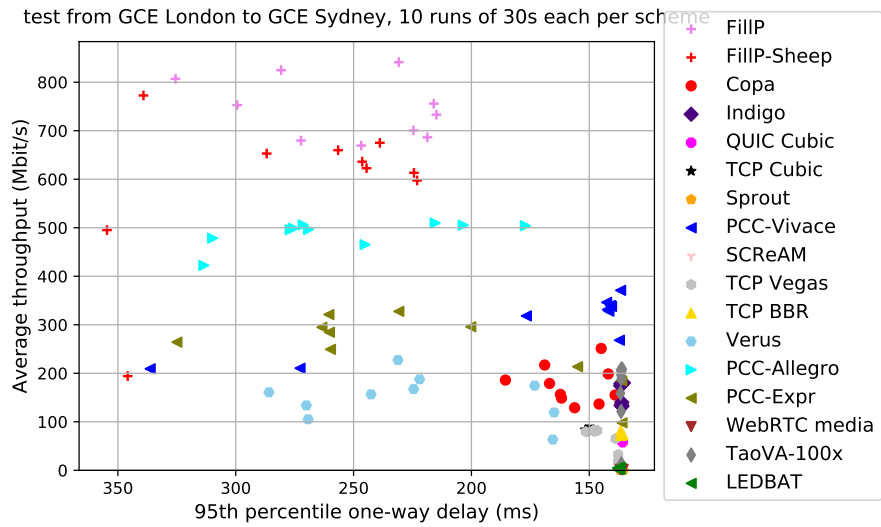
Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfc58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 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)



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



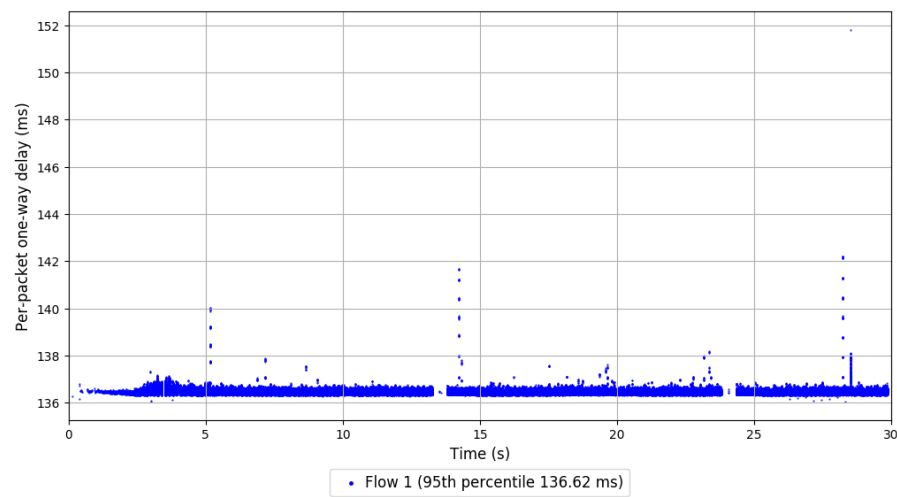
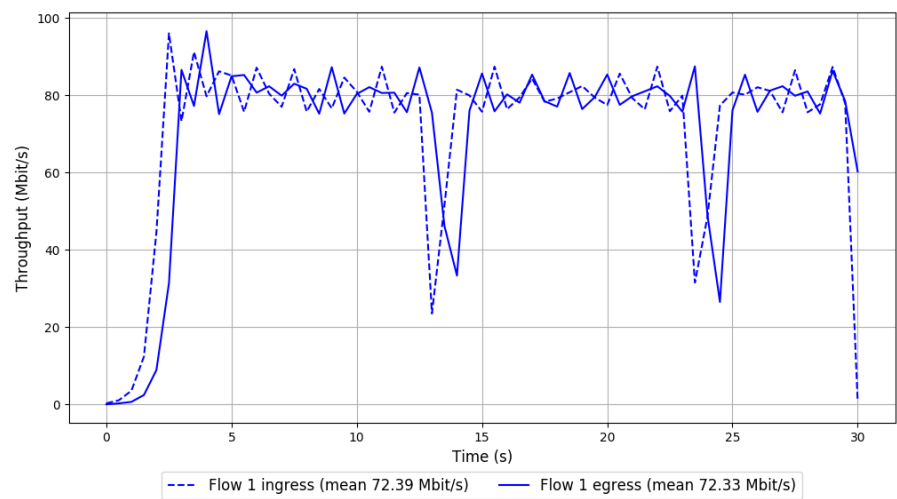
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	74.13	136.32	0.97
Copa	10	175.79	157.33	1.02
TCP Cubic	10	82.79	149.88	0.99
FillP	10	745.05	252.96	3.71
FillP-Sheep	10	591.96	276.02	6.71
Indigo	10	156.16	136.29	0.94
LEDBAT	10	4.12	137.36	1.96
PCC-Allegro	10	488.25	255.71	4.12
PCC-Expr	10	253.34	222.74	3.18
QUIC Cubic	3	60.73	136.08	1.26
SCReAM	10	0.22	136.44	0.86
Sprout	10	0.17	136.34	0.67
TaoVA-100x	10	171.14	136.41	1.11
TCP Vegas	10	68.64	145.10	1.00
Verus	10	149.62	224.90	2.24
PCC-Vivace	10	306.00	176.80	1.77
WebRTC media	10	1.77	136.19	1.06

Run 1: Statistics of TCP BBR

Start at: 2018-07-11 09:11:51
End at: 2018-07-11 09:12:21
Local clock offset: 0.151 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-11 12:56:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.33 Mbit/s
95th percentile per-packet one-way delay: 136.624 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 72.33 Mbit/s
95th percentile per-packet one-way delay: 136.624 ms
Loss rate: 0.99%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-11 09:34:56

End at: 2018-07-11 09:35:26

Local clock offset: 0.07 ms

Remote clock offset: 0.327 ms

Below is generated by plot.py at 2018-07-11 12:56:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.61 Mbit/s

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

Loss rate: 0.98%

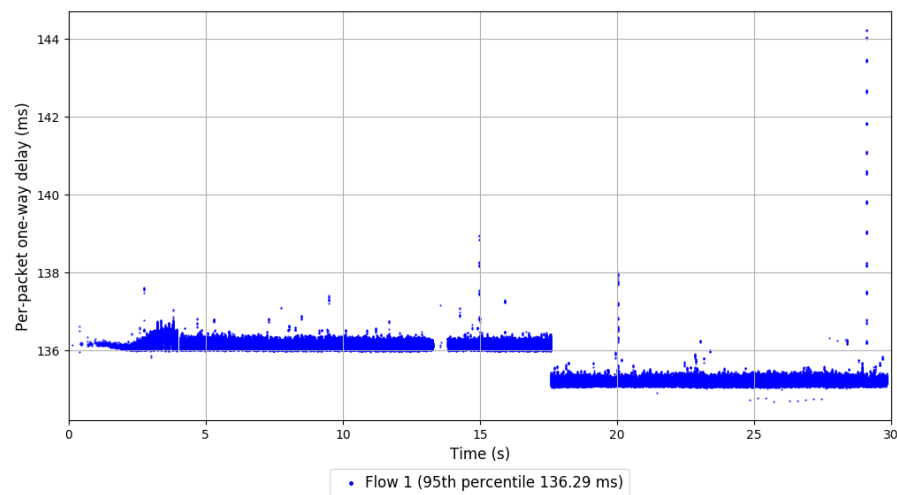
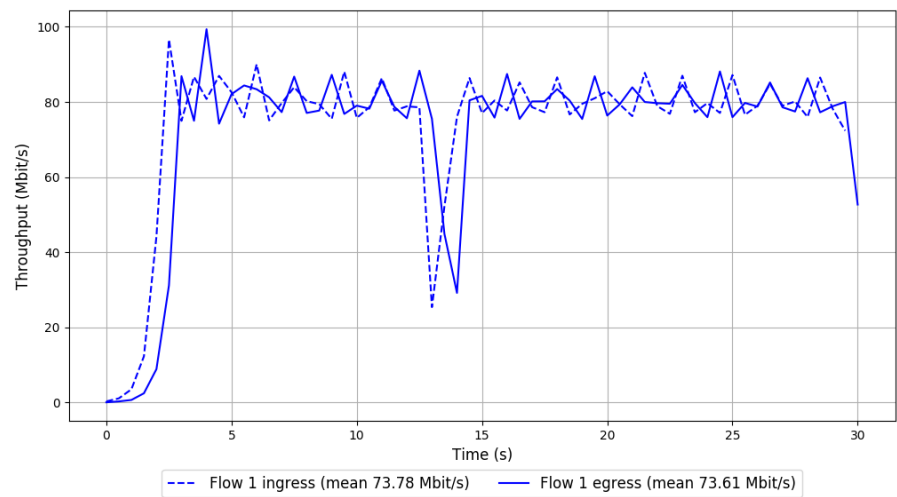
-- Flow 1:

Average throughput: 73.61 Mbit/s

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

Loss rate: 0.98%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-11 09:58:00

End at: 2018-07-11 09:58:30

Local clock offset: -0.03 ms

Remote clock offset: 0.307 ms

Below is generated by plot.py at 2018-07-11 12:56:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.41 Mbit/s

95th percentile per-packet one-way delay: 136.118 ms

Loss rate: 0.95%

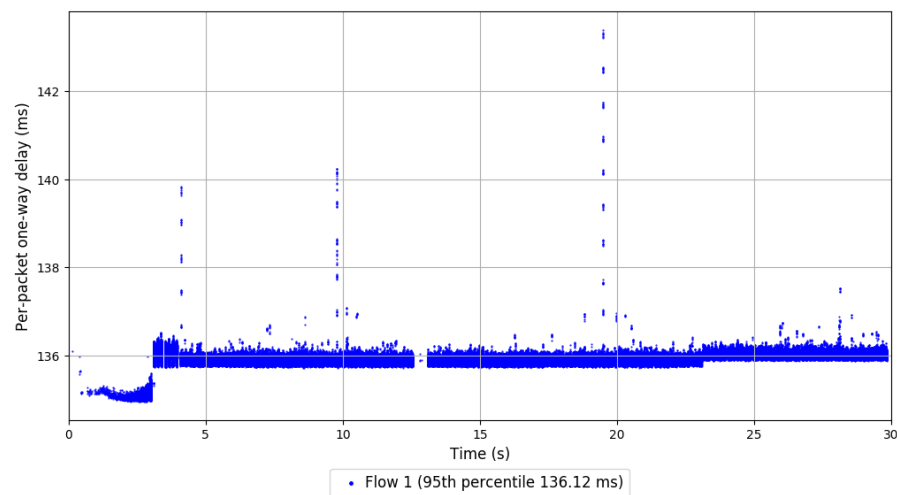
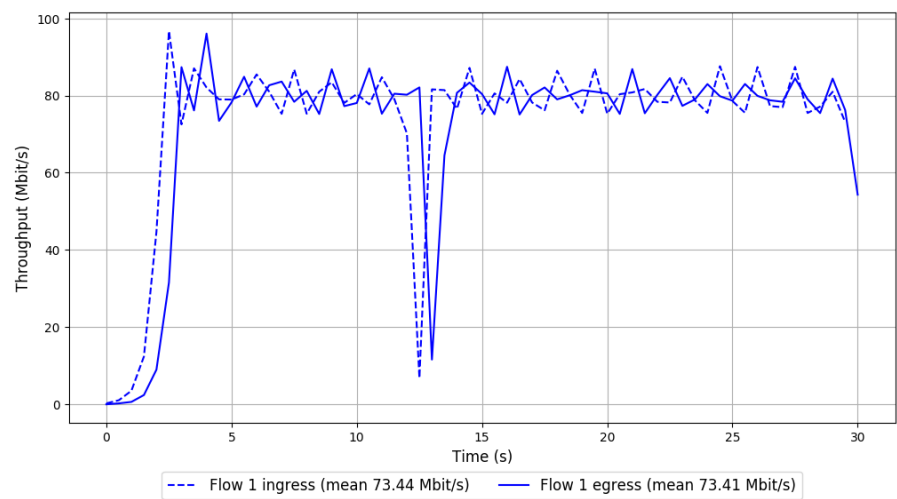
-- Flow 1:

Average throughput: 73.41 Mbit/s

95th percentile per-packet one-way delay: 136.118 ms

Loss rate: 0.95%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-11 10:20:11

End at: 2018-07-11 10:20:41

Local clock offset: 0.03 ms

Remote clock offset: 0.339 ms

Below is generated by plot.py at 2018-07-11 12:56:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.63 Mbit/s

95th percentile per-packet one-way delay: 136.124 ms

Loss rate: 0.96%

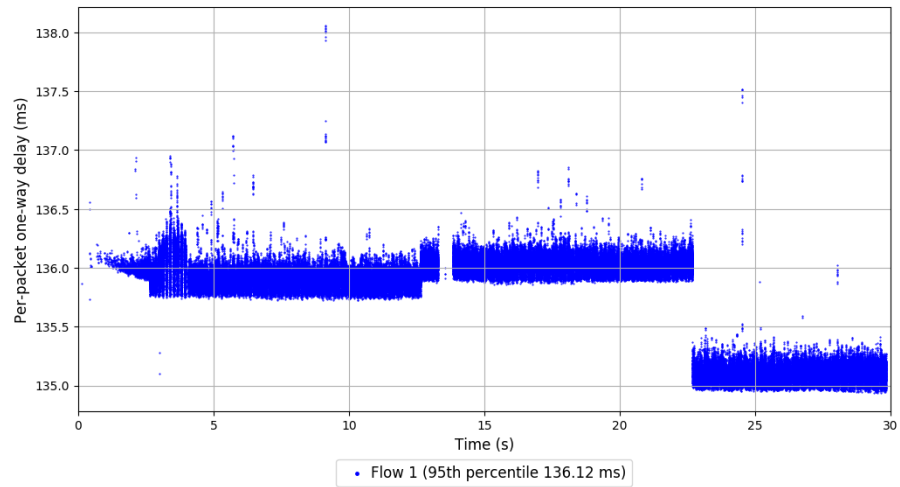
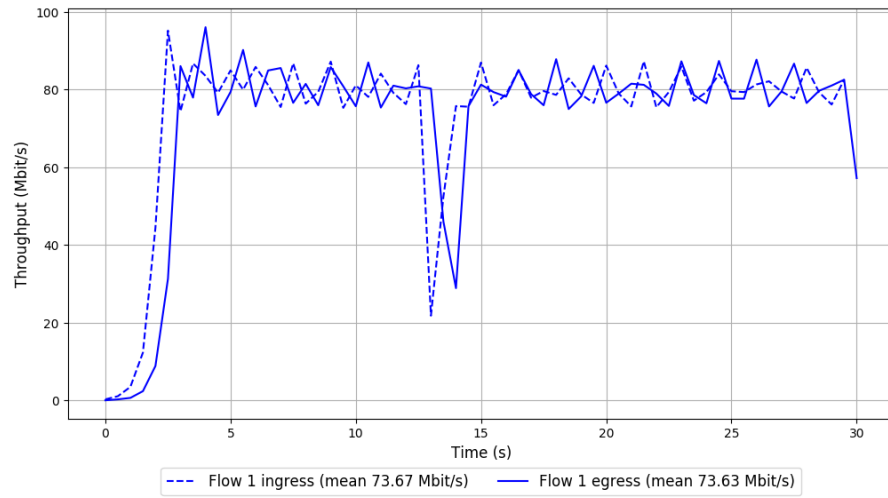
-- Flow 1:

Average throughput: 73.63 Mbit/s

95th percentile per-packet one-way delay: 136.124 ms

Loss rate: 0.96%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-11 10:42:36

End at: 2018-07-11 10:43:06

Local clock offset: -0.02 ms

Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-07-11 12:56:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.92 Mbit/s

95th percentile per-packet one-way delay: 136.512 ms

Loss rate: 0.97%

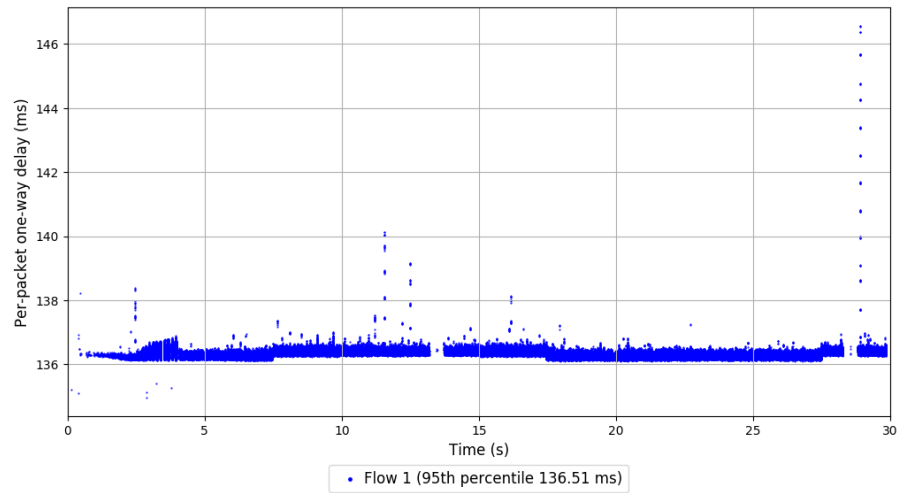
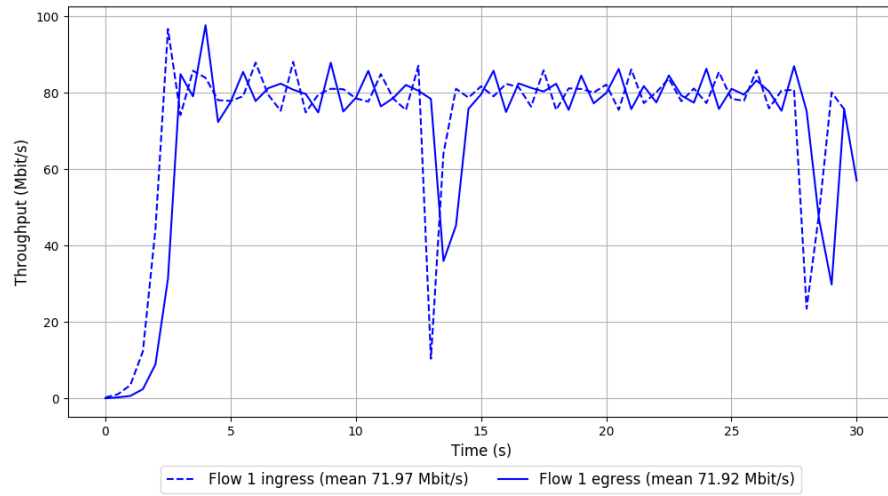
-- Flow 1:

Average throughput: 71.92 Mbit/s

95th percentile per-packet one-way delay: 136.512 ms

Loss rate: 0.97%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-11 11:05:44

End at: 2018-07-11 11:06:14

Local clock offset: -0.06 ms

Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-11 12:56:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.45 Mbit/s

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

Loss rate: 0.96%

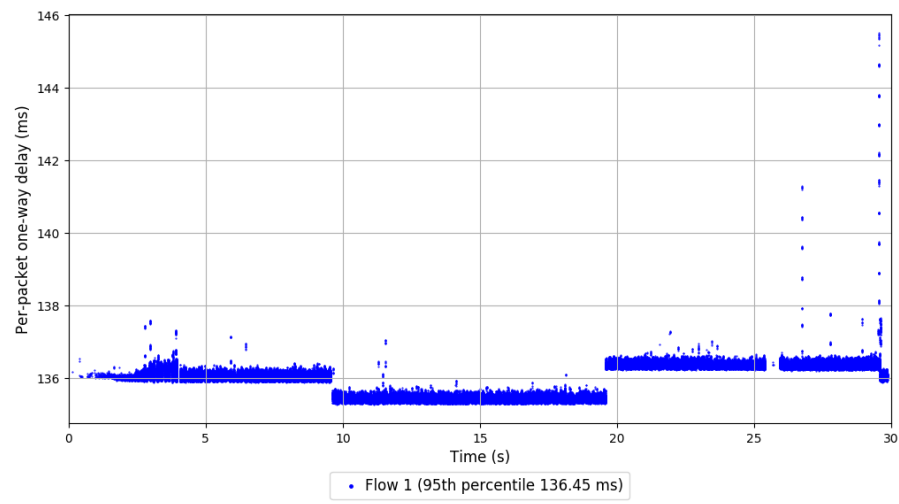
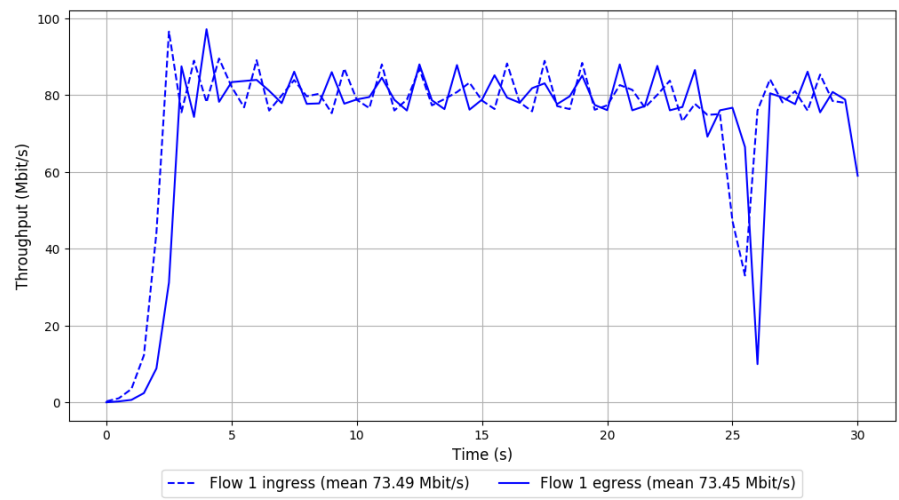
-- Flow 1:

Average throughput: 73.45 Mbit/s

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

Loss rate: 0.96%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-11 11:28:14

End at: 2018-07-11 11:28:44

Local clock offset: -0.026 ms

Remote clock offset: 0.31 ms

Below is generated by plot.py at 2018-07-11 12:56:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.78 Mbit/s

95th percentile per-packet one-way delay: 135.777 ms

Loss rate: 0.97%

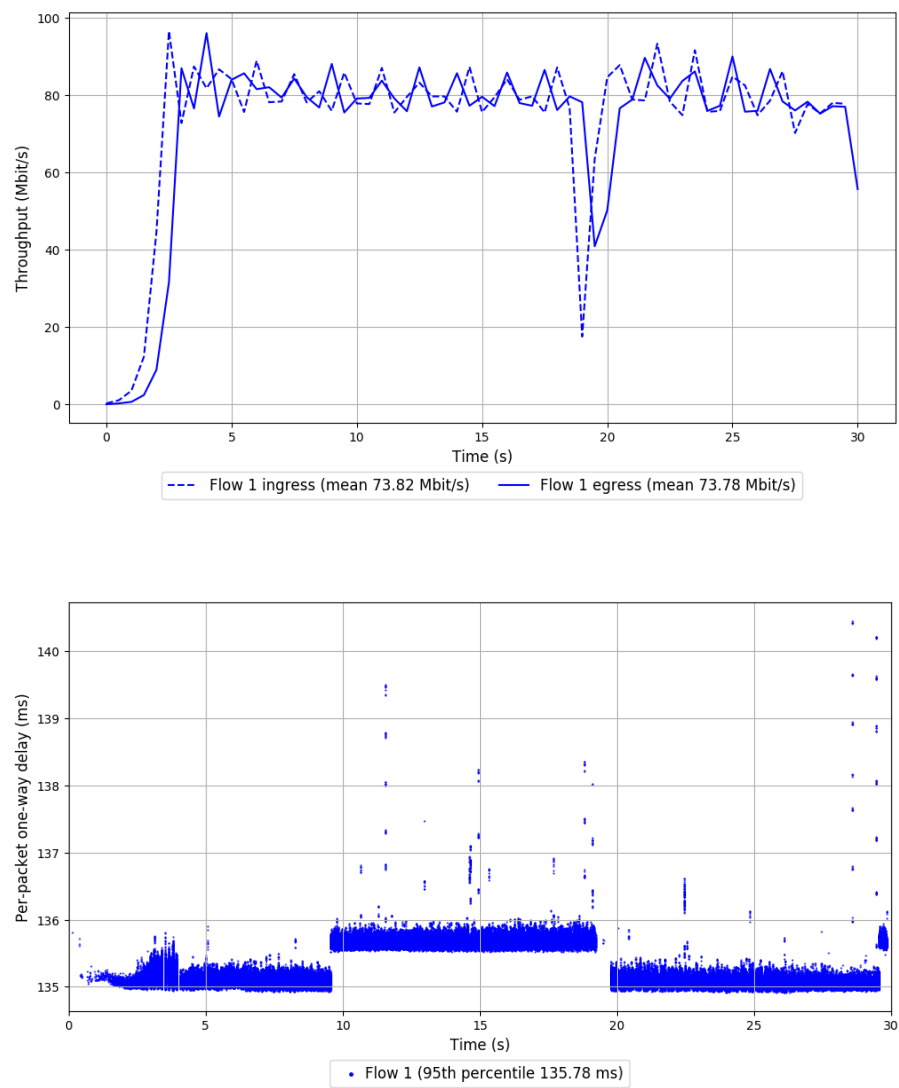
-- Flow 1:

Average throughput: 73.78 Mbit/s

95th percentile per-packet one-way delay: 135.777 ms

Loss rate: 0.97%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-11 11:51:24

End at: 2018-07-11 11:51:54

Local clock offset: -0.146 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-07-11 12:57:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.93 Mbit/s

95th percentile per-packet one-way delay: 136.581 ms

Loss rate: 1.00%

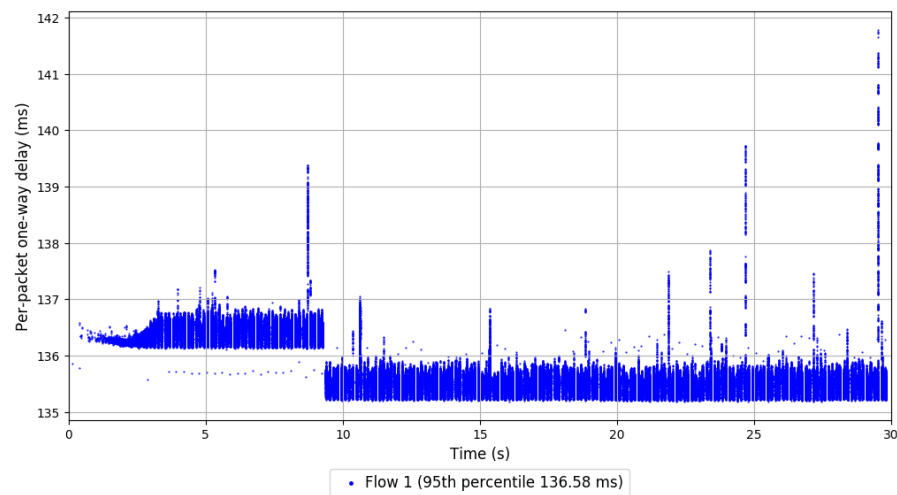
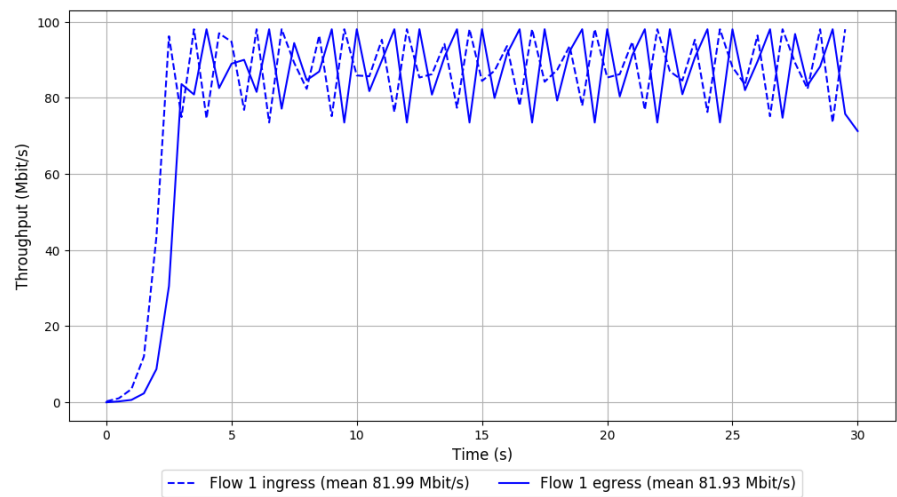
-- Flow 1:

Average throughput: 81.93 Mbit/s

95th percentile per-packet one-way delay: 136.581 ms

Loss rate: 1.00%

Run 8: Report of TCP BBR — Data Link

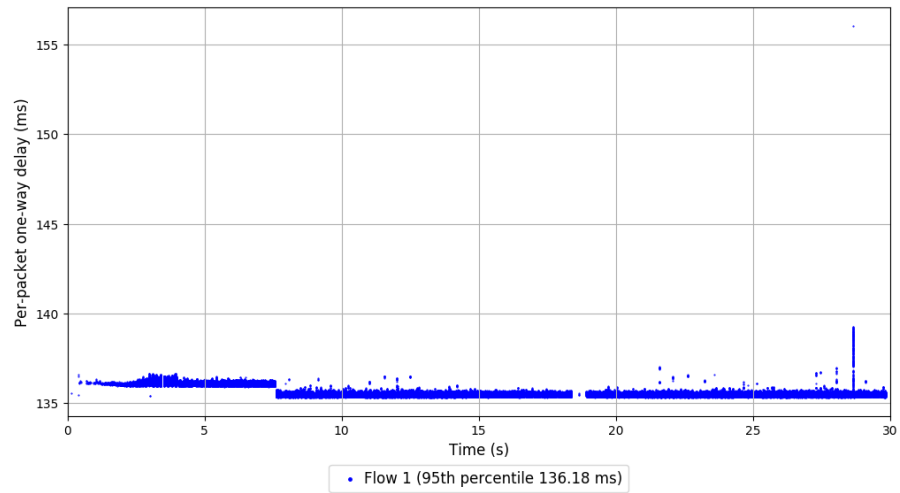
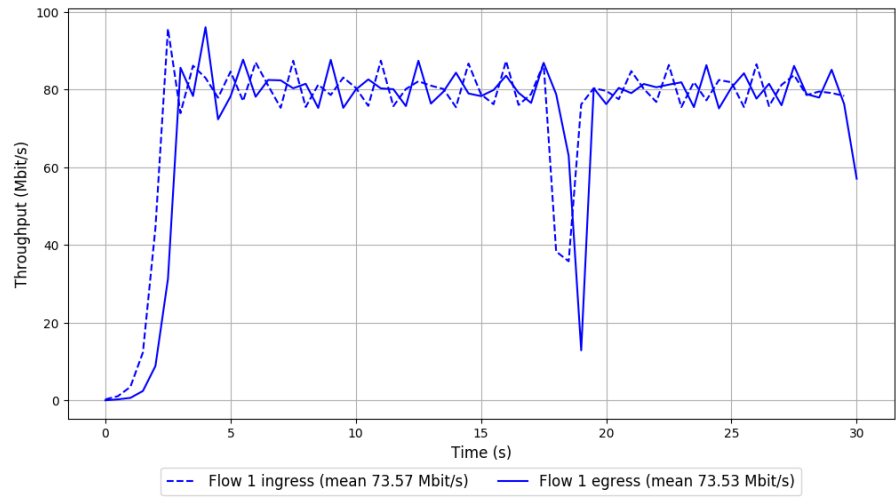


Run 9: Statistics of TCP BBR

Start at: 2018-07-11 12:14:16
End at: 2018-07-11 12:14:46
Local clock offset: 0.029 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-11 12:57:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.53 Mbit/s
95th percentile per-packet one-way delay: 136.183 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 73.53 Mbit/s
95th percentile per-packet one-way delay: 136.183 ms
Loss rate: 0.97%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-11 12:37:23

End at: 2018-07-11 12:37:53

Local clock offset: -0.024 ms

Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-07-11 12:57:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.72 Mbit/s

95th percentile per-packet one-way delay: 136.527 ms

Loss rate: 0.96%

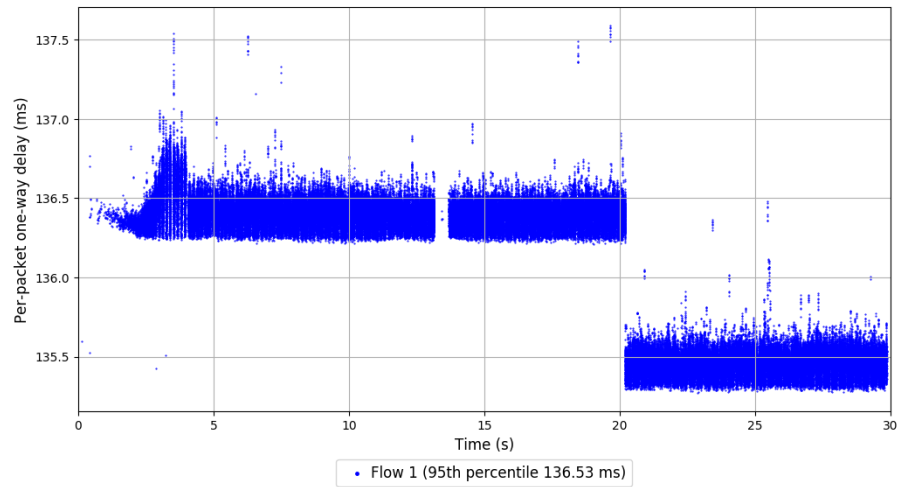
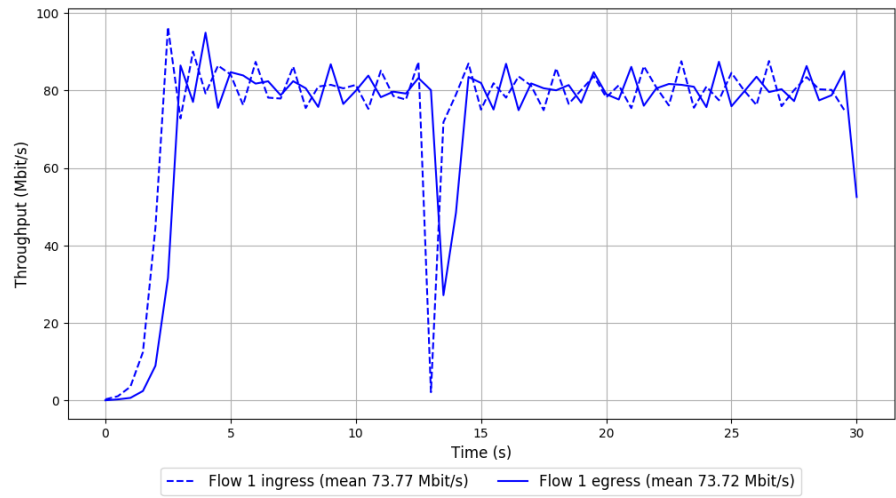
-- Flow 1:

Average throughput: 73.72 Mbit/s

95th percentile per-packet one-way delay: 136.527 ms

Loss rate: 0.96%

Run 10: Report of TCP BBR — Data Link

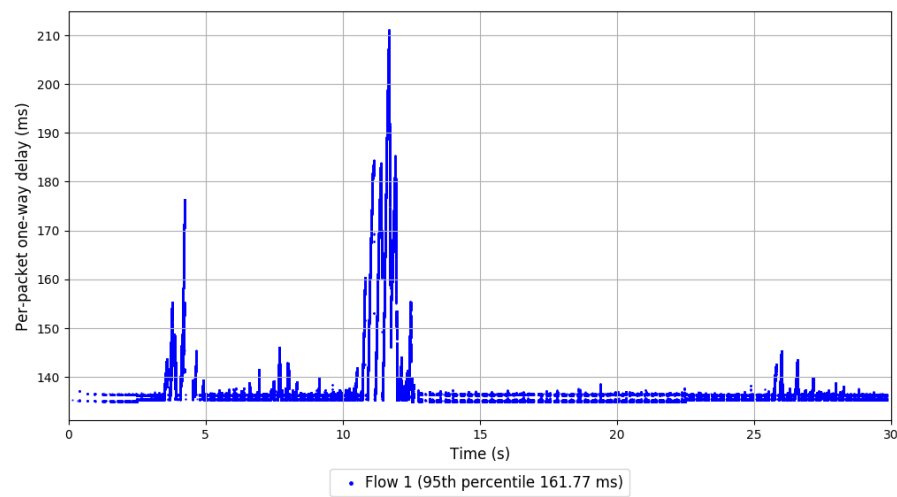
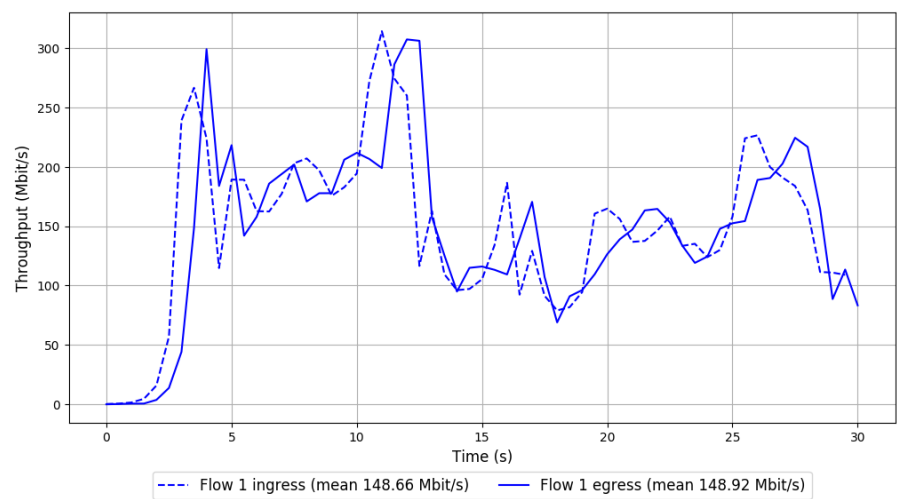


Run 1: Statistics of Copa

Start at: 2018-07-11 09:20:01
End at: 2018-07-11 09:20:31
Local clock offset: -0.041 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-11 13:01:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 148.92 Mbit/s
95th percentile per-packet one-way delay: 161.774 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 148.92 Mbit/s
95th percentile per-packet one-way delay: 161.774 ms
Loss rate: 0.73%

Run 1: Report of Copa — Data Link

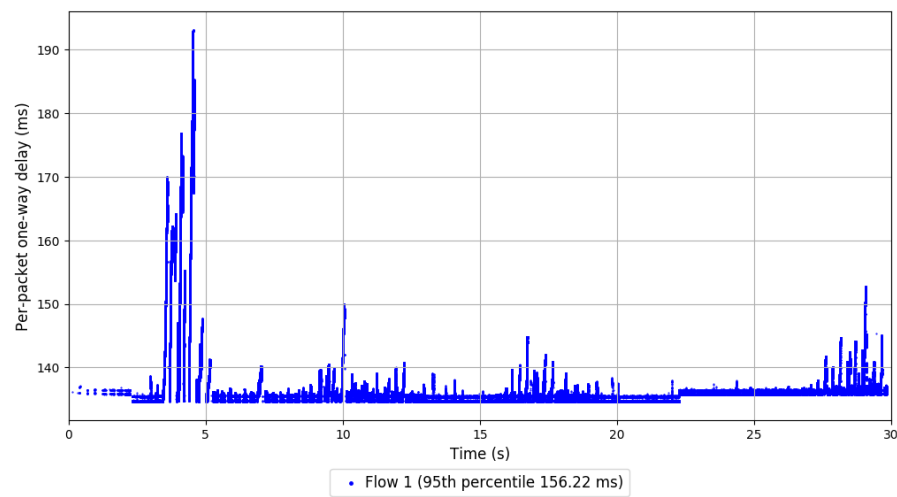
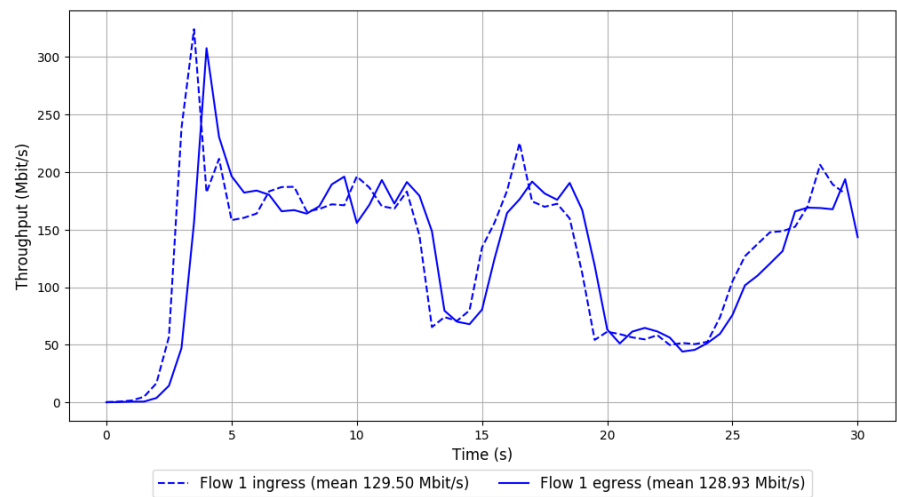


Run 2: Statistics of Copa

Start at: 2018-07-11 09:43:11
End at: 2018-07-11 09:43:41
Local clock offset: 0.026 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-07-11 13:01:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 128.93 Mbit/s
95th percentile per-packet one-way delay: 156.215 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 128.93 Mbit/s
95th percentile per-packet one-way delay: 156.215 ms
Loss rate: 1.35%

Run 2: Report of Copa — Data Link

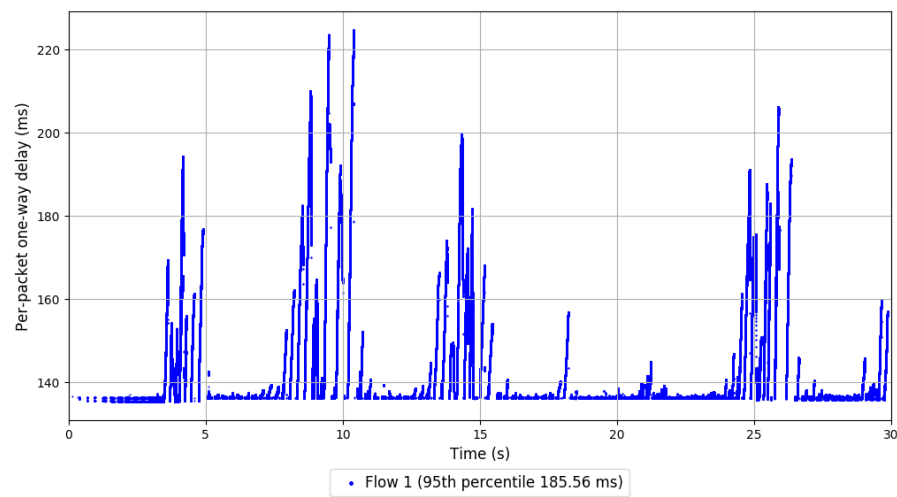
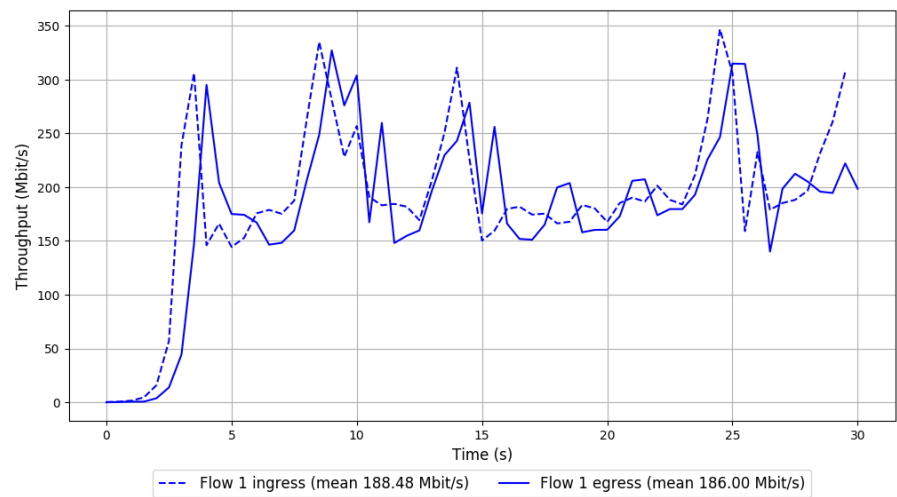


Run 3: Statistics of Copa

Start at: 2018-07-11 10:05:48
End at: 2018-07-11 10:06:18
Local clock offset: -0.003 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-07-11 13:02:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 186.00 Mbit/s
95th percentile per-packet one-way delay: 185.557 ms
Loss rate: 2.21%
-- Flow 1:
Average throughput: 186.00 Mbit/s
95th percentile per-packet one-way delay: 185.557 ms
Loss rate: 2.21%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-11 10:28:10

End at: 2018-07-11 10:28:40

Local clock offset: 0.033 ms

Remote clock offset: 0.323 ms

Below is generated by plot.py at 2018-07-11 13:02:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 156.49 Mbit/s

95th percentile per-packet one-way delay: 162.238 ms

Loss rate: 1.68%

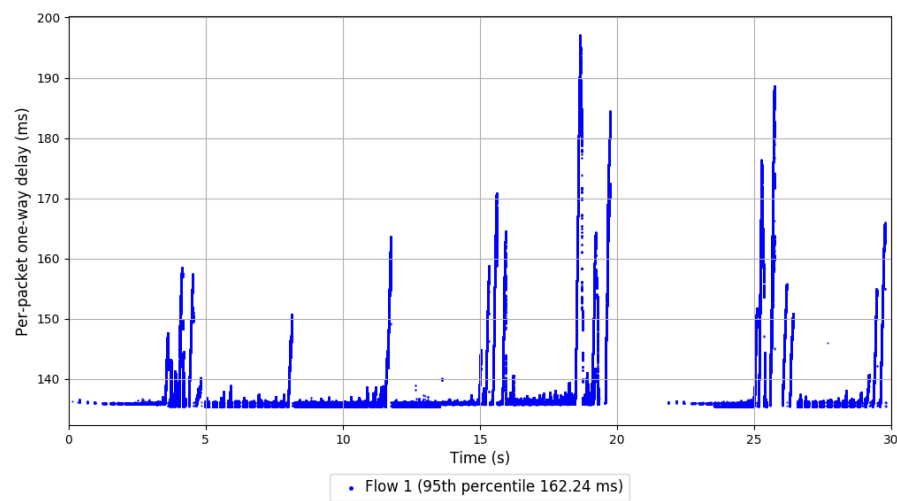
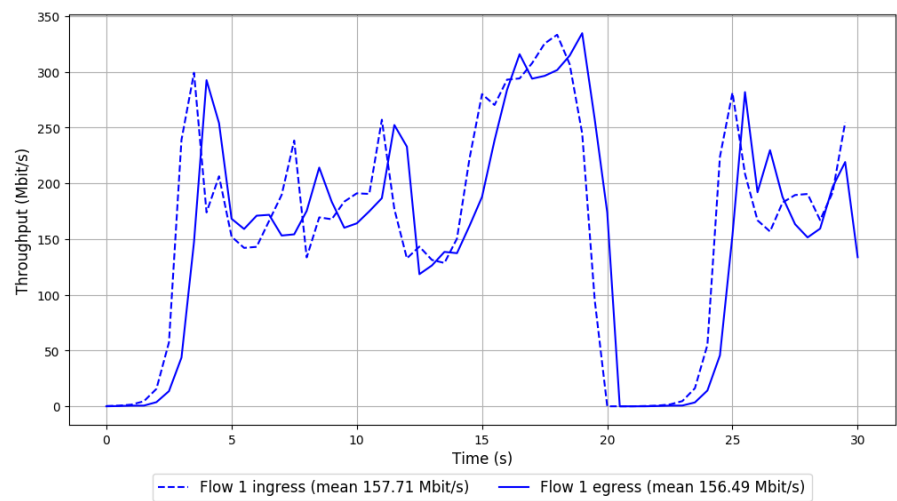
-- Flow 1:

Average throughput: 156.49 Mbit/s

95th percentile per-packet one-way delay: 162.238 ms

Loss rate: 1.68%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-11 10:50:50

End at: 2018-07-11 10:51:20

Local clock offset: 0.092 ms

Remote clock offset: 0.295 ms

Below is generated by plot.py at 2018-07-11 13:02:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 155.15 Mbit/s

95th percentile per-packet one-way delay: 139.035 ms

Loss rate: 0.82%

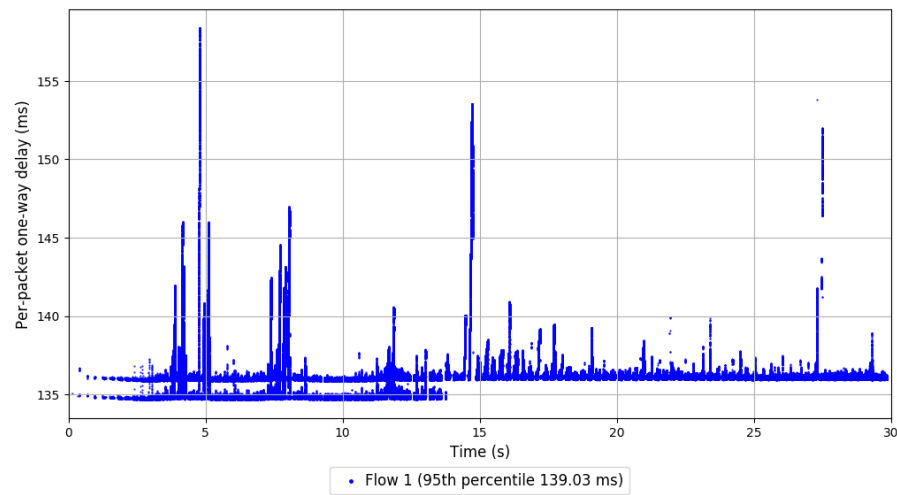
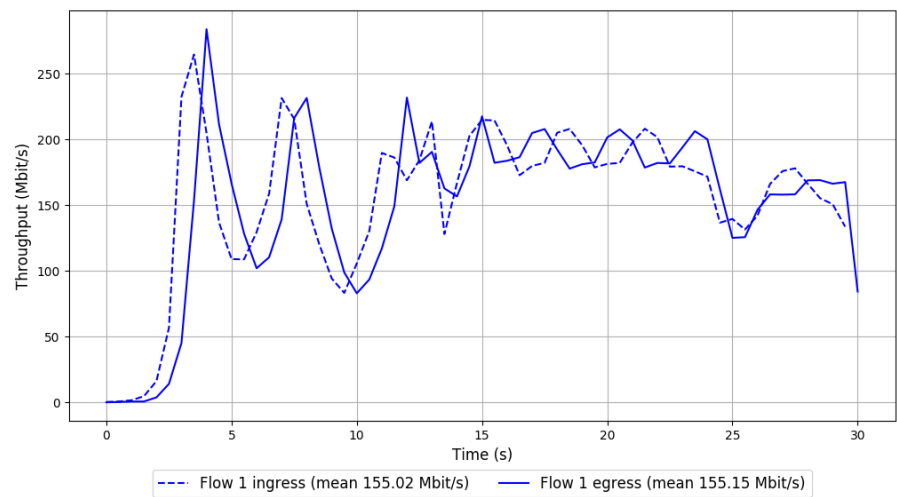
-- Flow 1:

Average throughput: 155.15 Mbit/s

95th percentile per-packet one-way delay: 139.035 ms

Loss rate: 0.82%

Run 5: Report of Copa — Data Link

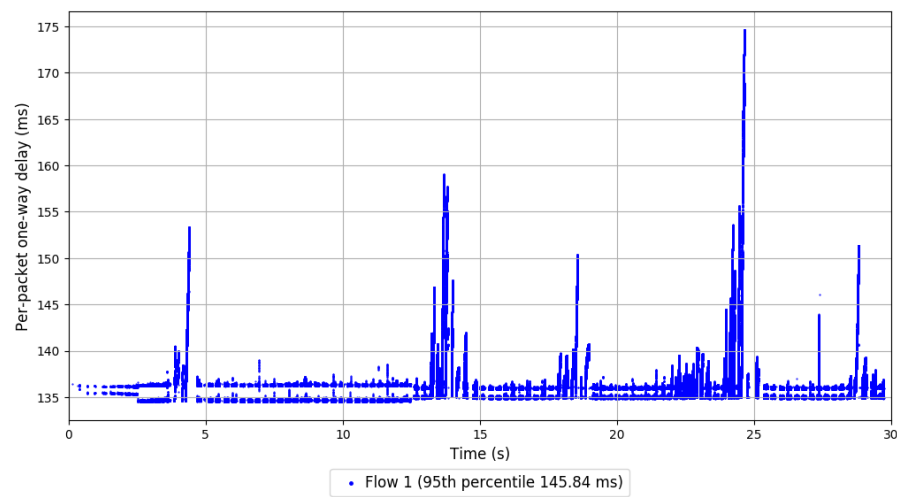
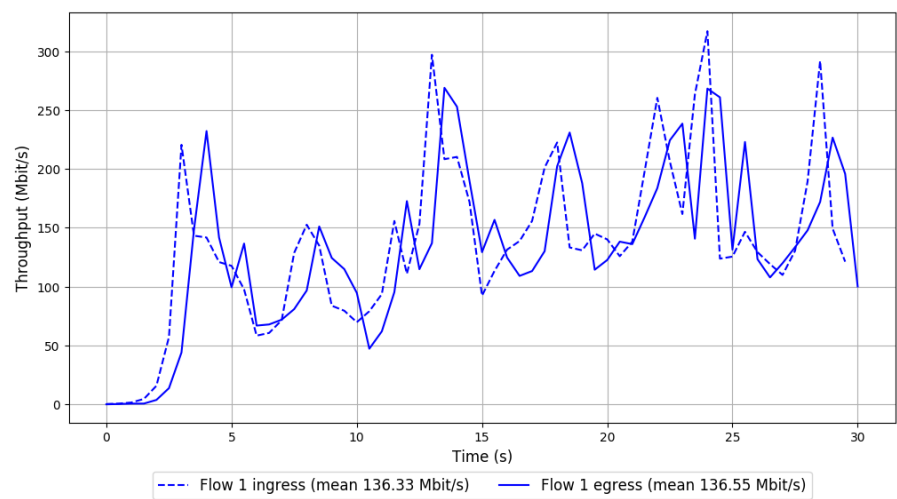


Run 6: Statistics of Copa

Start at: 2018-07-11 11:13:51
End at: 2018-07-11 11:14:21
Local clock offset: -0.044 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-11 13:02:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 136.55 Mbit/s
95th percentile per-packet one-way delay: 145.843 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 136.55 Mbit/s
95th percentile per-packet one-way delay: 145.843 ms
Loss rate: 0.86%

Run 6: Report of Copa — Data Link

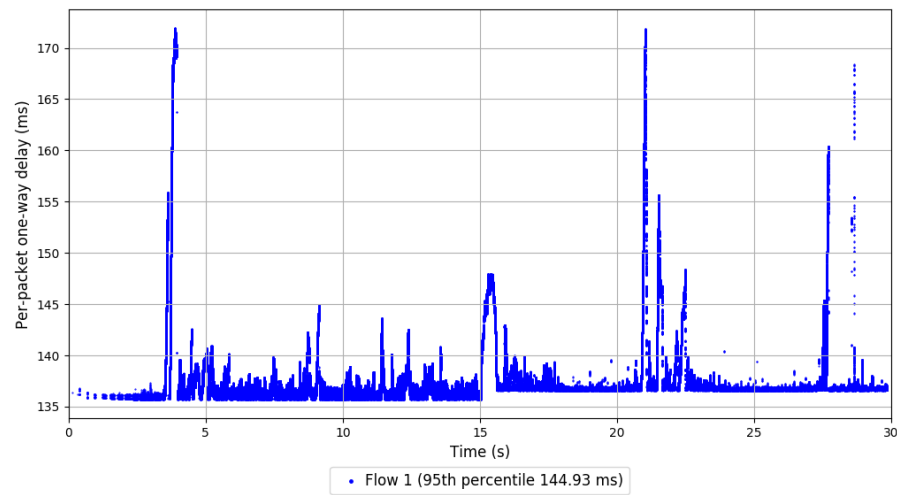
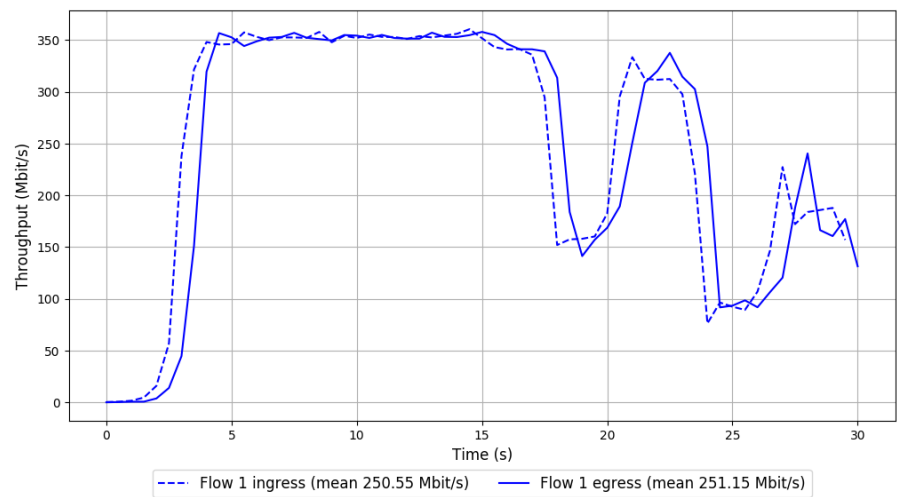


Run 7: Statistics of Copa

Start at: 2018-07-11 11:36:28
End at: 2018-07-11 11:36:58
Local clock offset: -0.006 ms
Remote clock offset: -0.412 ms

Below is generated by plot.py at 2018-07-11 13:05:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 251.15 Mbit/s
95th percentile per-packet one-way delay: 144.929 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 251.15 Mbit/s
95th percentile per-packet one-way delay: 144.929 ms
Loss rate: 0.67%

Run 7: Report of Copa — Data Link

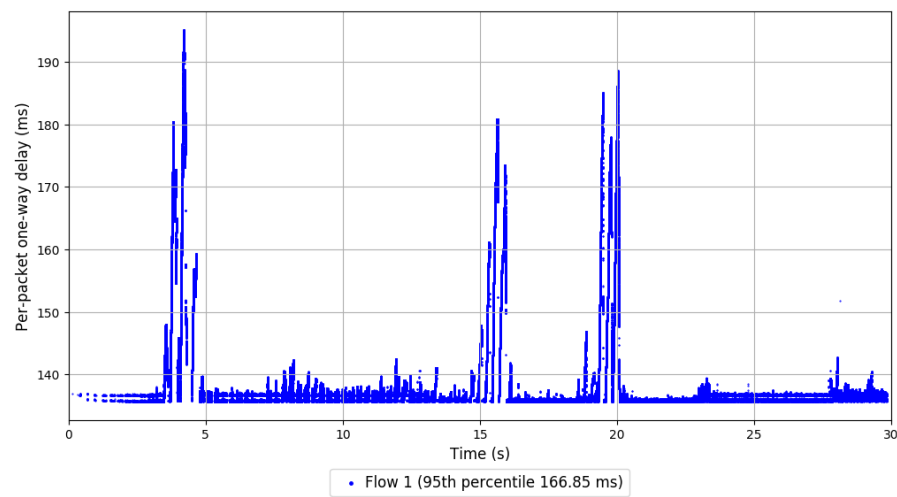
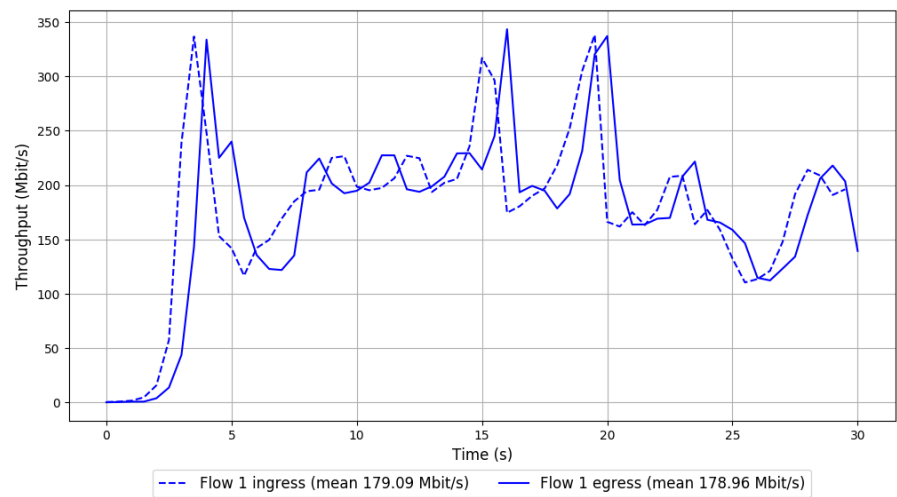


Run 8: Statistics of Copa

Start at: 2018-07-11 11:59:30
End at: 2018-07-11 12:00:00
Local clock offset: -0.053 ms
Remote clock offset: -0.434 ms

Below is generated by plot.py at 2018-07-11 13:05:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 178.96 Mbit/s
95th percentile per-packet one-way delay: 166.855 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 178.96 Mbit/s
95th percentile per-packet one-way delay: 166.855 ms
Loss rate: 0.98%

Run 8: Report of Copa — Data Link

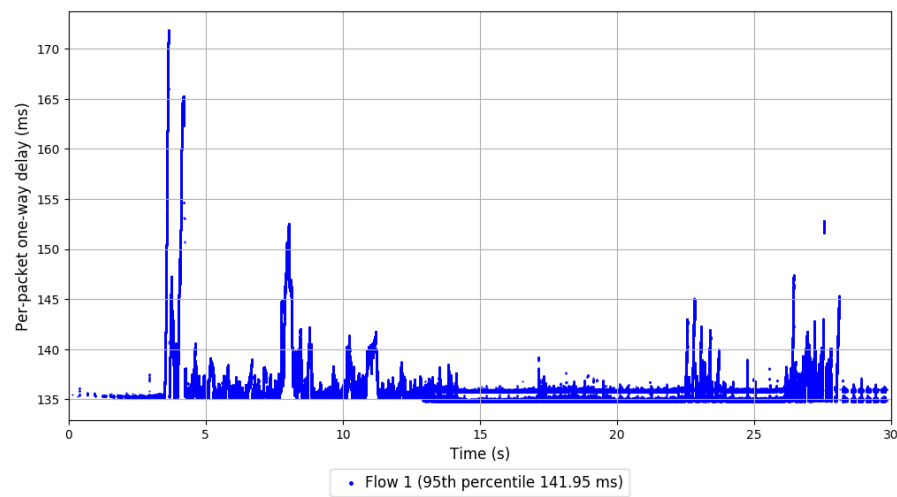
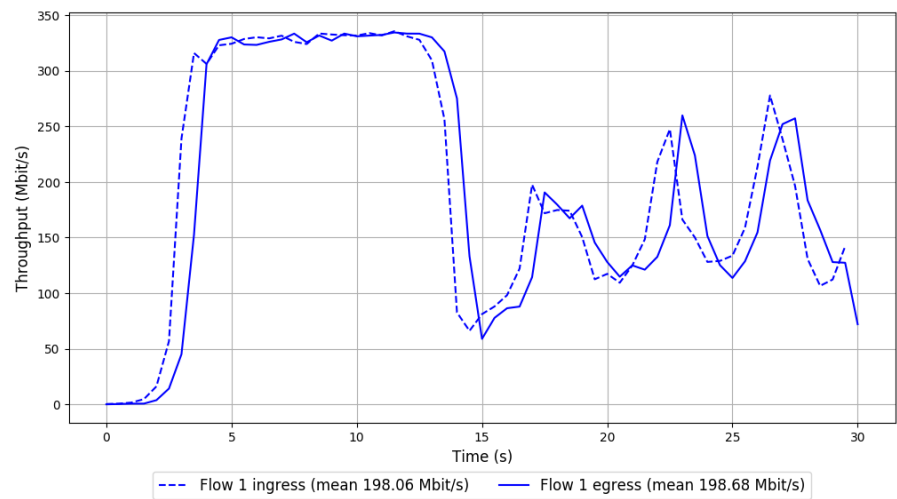


Run 9: Statistics of Copa

Start at: 2018-07-11 12:22:31
End at: 2018-07-11 12:23:01
Local clock offset: -0.15 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-11 13:06:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 198.68 Mbit/s
95th percentile per-packet one-way delay: 141.947 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 198.68 Mbit/s
95th percentile per-packet one-way delay: 141.947 ms
Loss rate: 0.62%

Run 9: Report of Copa — Data Link

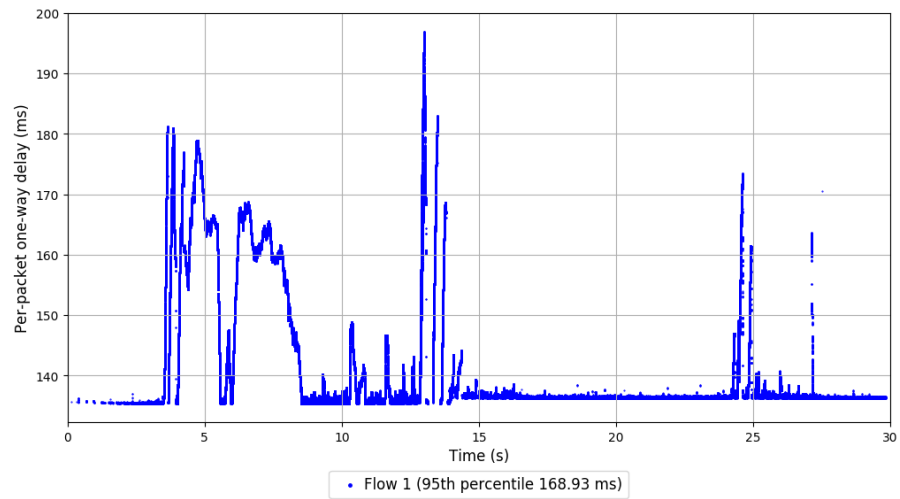
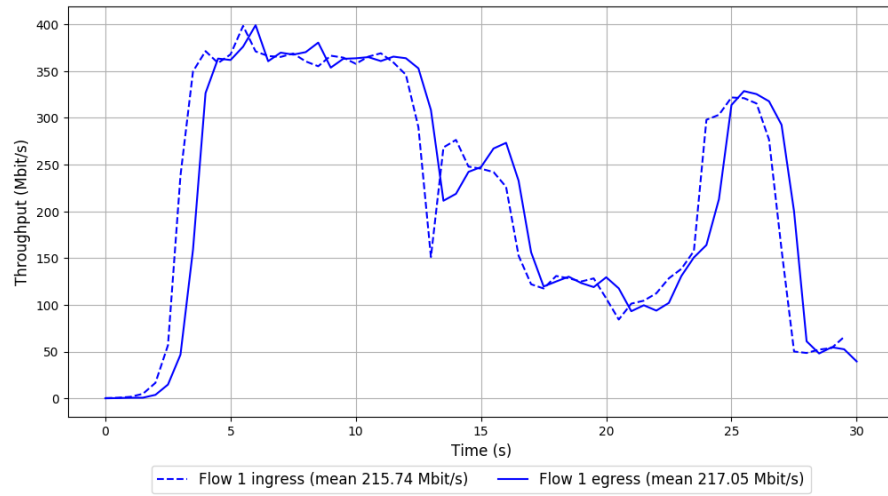


Run 10: Statistics of Copa

Start at: 2018-07-11 12:45:40
End at: 2018-07-11 12:46:10
Local clock offset: 0.022 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-07-11 13:07:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.05 Mbit/s
95th percentile per-packet one-way delay: 168.926 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 217.05 Mbit/s
95th percentile per-packet one-way delay: 168.926 ms
Loss rate: 0.31%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-11 08:59:52

End at: 2018-07-11 09:00:22

Local clock offset: 0.143 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-11 13:07:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.94 Mbit/s

95th percentile per-packet one-way delay: 150.798 ms

Loss rate: 0.99%

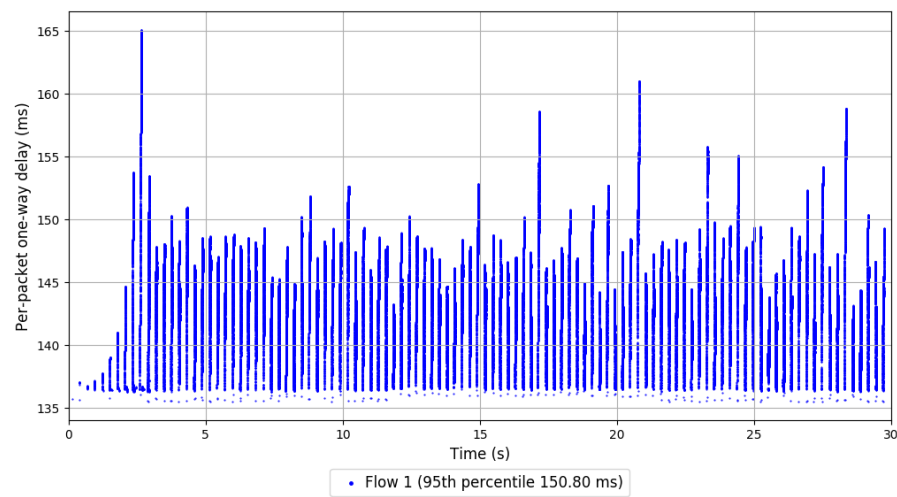
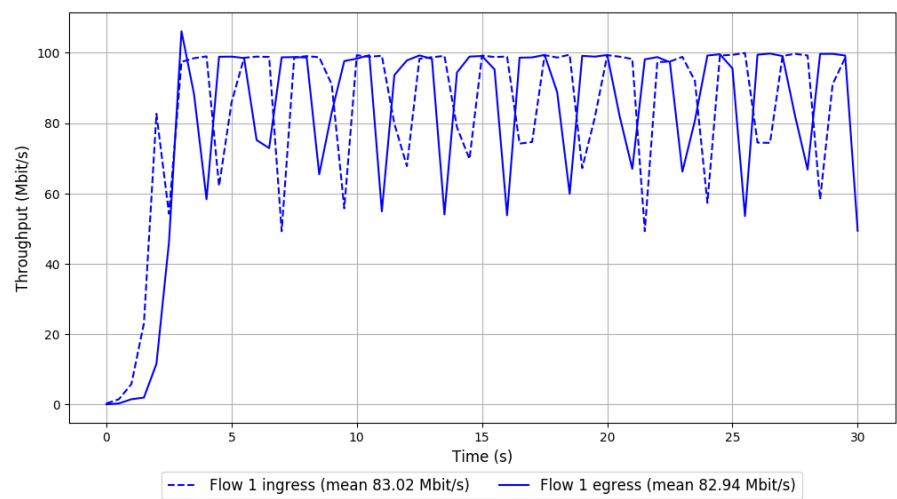
-- Flow 1:

Average throughput: 82.94 Mbit/s

95th percentile per-packet one-way delay: 150.798 ms

Loss rate: 0.99%

Run 1: Report of TCP Cubic — Data Link

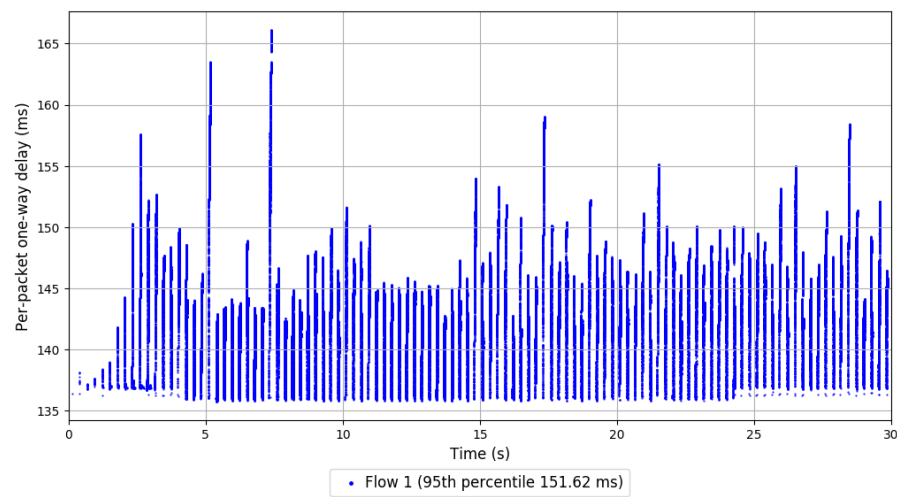
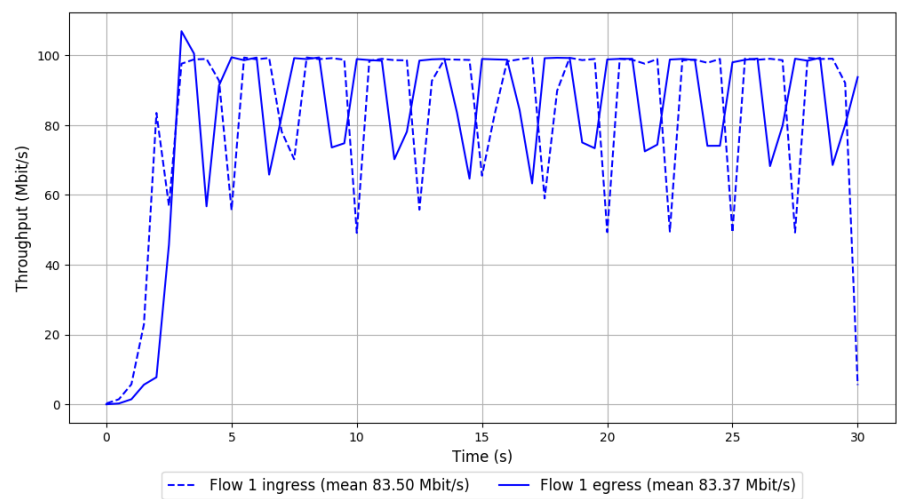


Run 2: Statistics of TCP Cubic

Start at: 2018-07-11 09:22:49
End at: 2018-07-11 09:23:19
Local clock offset: 0.02 ms
Remote clock offset: -0.363 ms

Below is generated by plot.py at 2018-07-11 13:07:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.37 Mbit/s
95th percentile per-packet one-way delay: 151.616 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 83.37 Mbit/s
95th percentile per-packet one-way delay: 151.616 ms
Loss rate: 1.06%

Run 2: Report of TCP Cubic — Data Link

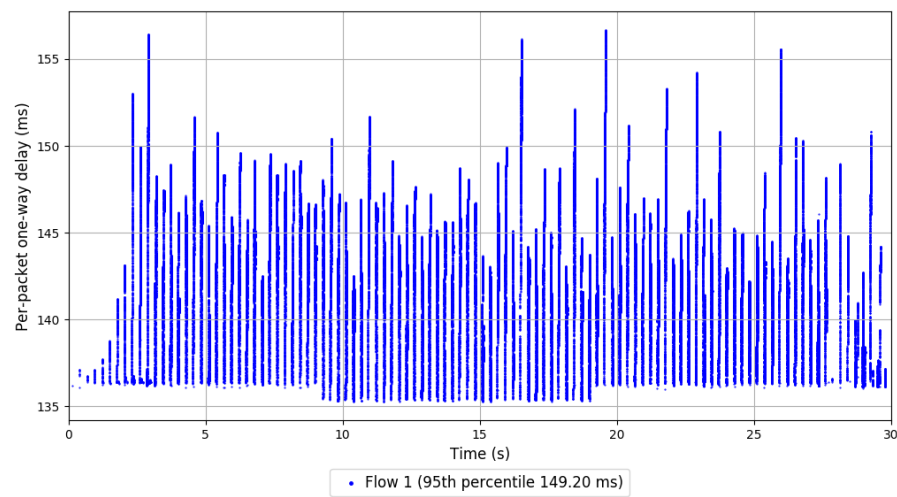
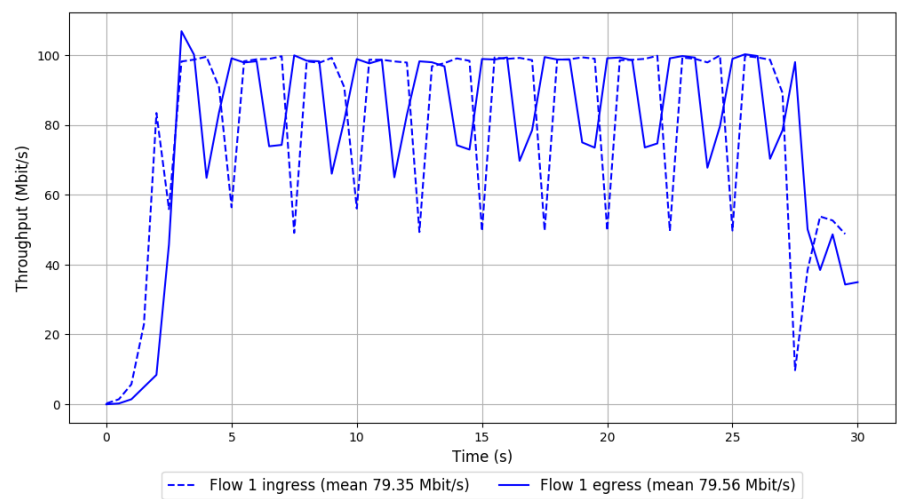


Run 3: Statistics of TCP Cubic

Start at: 2018-07-11 09:45:54
End at: 2018-07-11 09:46:24
Local clock offset: -0.133 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-11 13:07:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.56 Mbit/s
95th percentile per-packet one-way delay: 149.200 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 79.56 Mbit/s
95th percentile per-packet one-way delay: 149.200 ms
Loss rate: 0.78%

Run 3: Report of TCP Cubic — Data Link

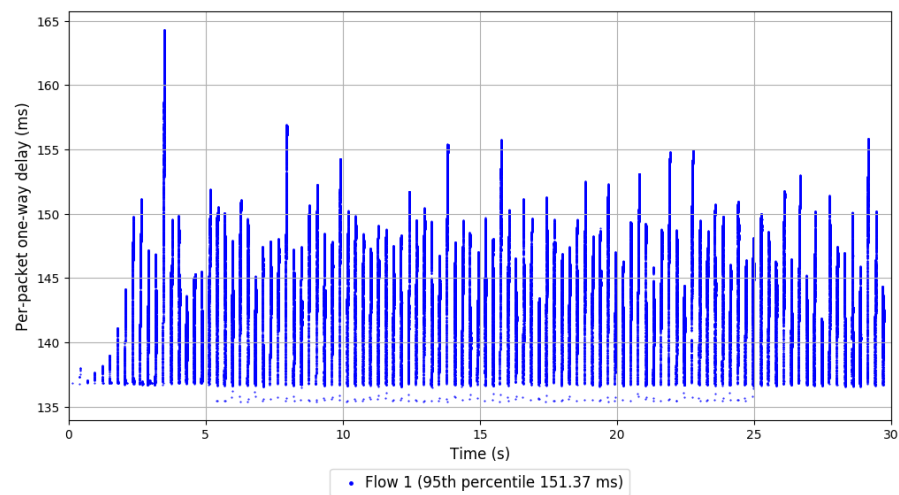
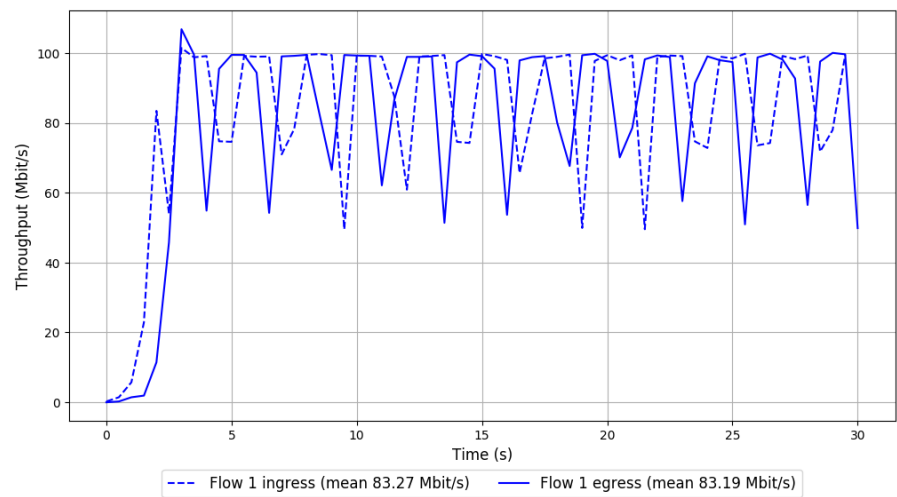


Run 4: Statistics of TCP Cubic

Start at: 2018-07-11 10:08:38
End at: 2018-07-11 10:09:08
Local clock offset: 0.045 ms
Remote clock offset: -0.438 ms

Below is generated by plot.py at 2018-07-11 13:07:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.19 Mbit/s
95th percentile per-packet one-way delay: 151.366 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 83.19 Mbit/s
95th percentile per-packet one-way delay: 151.366 ms
Loss rate: 1.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-11 10:30:52

End at: 2018-07-11 10:31:22

Local clock offset: 0.127 ms

Remote clock offset: 0.293 ms

Below is generated by plot.py at 2018-07-11 13:07:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.54 Mbit/s

95th percentile per-packet one-way delay: 150.016 ms

Loss rate: 1.06%

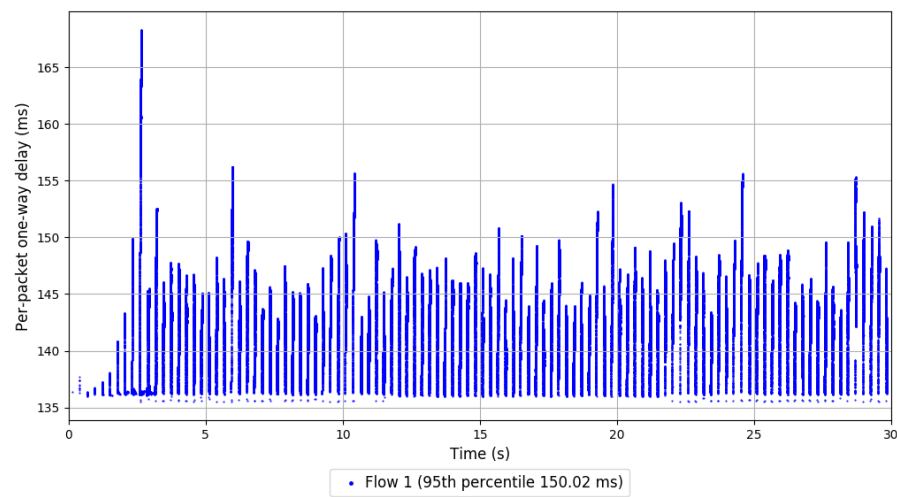
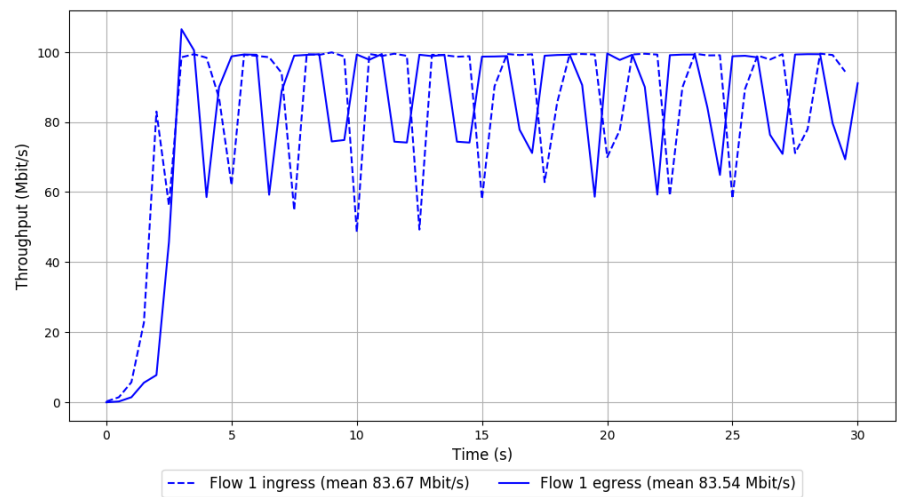
-- Flow 1:

Average throughput: 83.54 Mbit/s

95th percentile per-packet one-way delay: 150.016 ms

Loss rate: 1.06%

Run 5: Report of TCP Cubic — Data Link

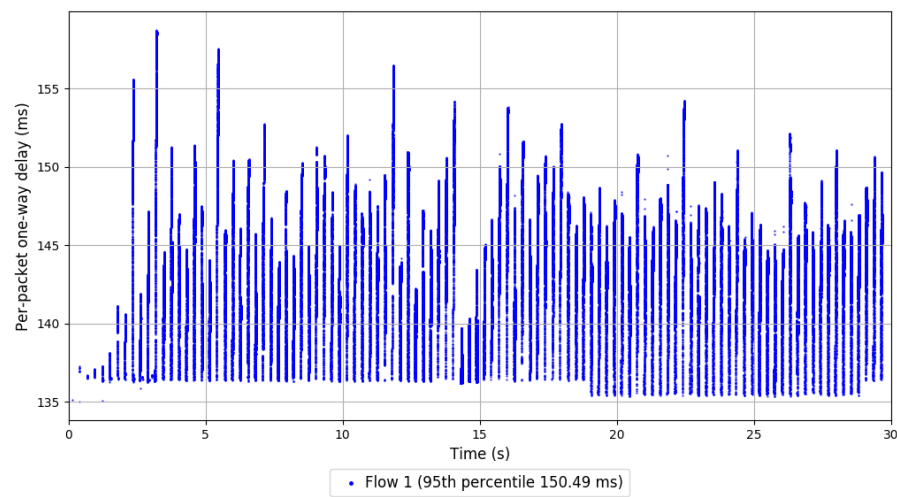
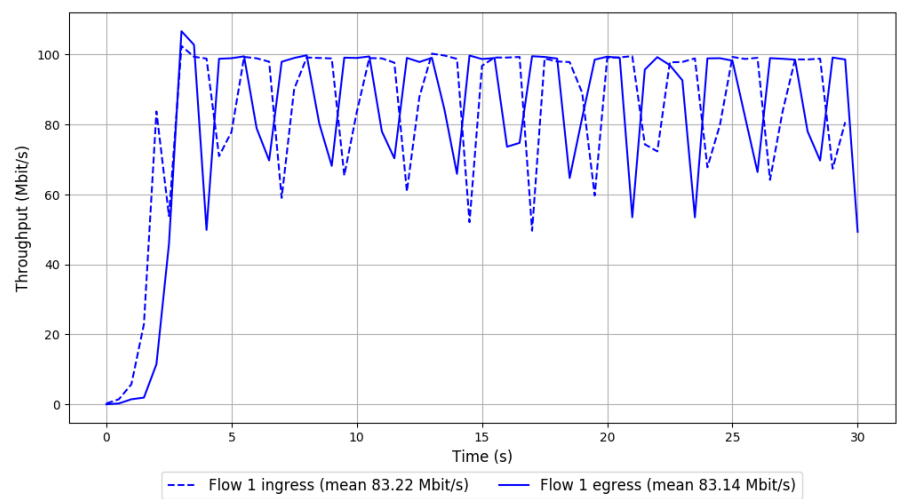


Run 6: Statistics of TCP Cubic

Start at: 2018-07-11 10:53:34
End at: 2018-07-11 10:54:05
Local clock offset: -0.054 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-11 13:07:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.14 Mbit/s
95th percentile per-packet one-way delay: 150.485 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 83.14 Mbit/s
95th percentile per-packet one-way delay: 150.485 ms
Loss rate: 0.99%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-11 11:16:25

End at: 2018-07-11 11:16:55

Local clock offset: -0.12 ms

Remote clock offset: 0.278 ms

Below is generated by plot.py at 2018-07-11 13:07:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.94 Mbit/s

95th percentile per-packet one-way delay: 148.096 ms

Loss rate: 0.99%

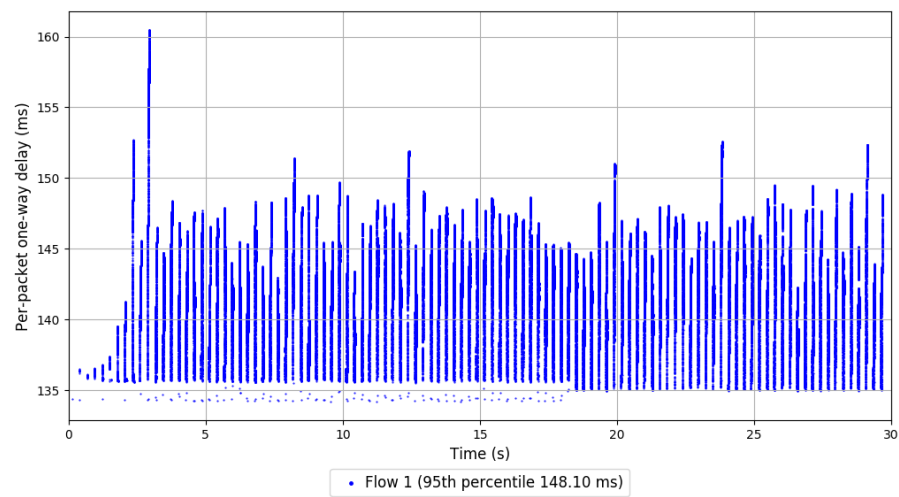
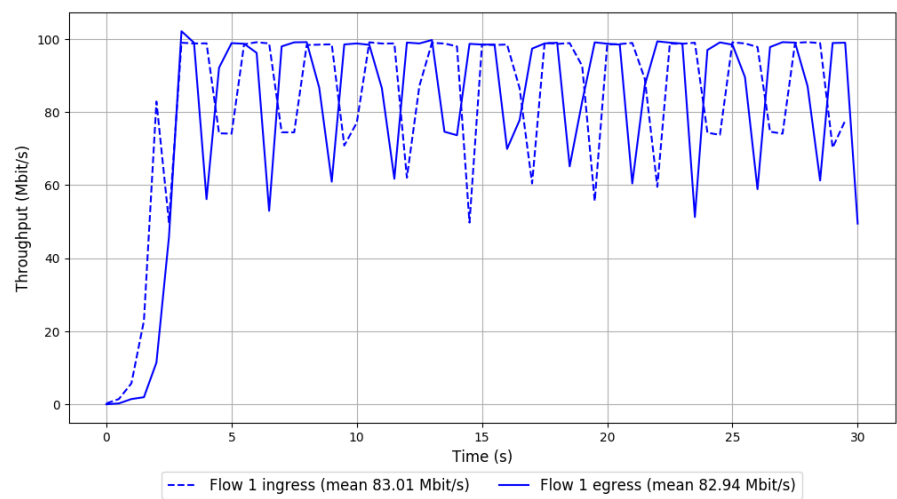
-- Flow 1:

Average throughput: 82.94 Mbit/s

95th percentile per-packet one-way delay: 148.096 ms

Loss rate: 0.99%

Run 7: Report of TCP Cubic — Data Link

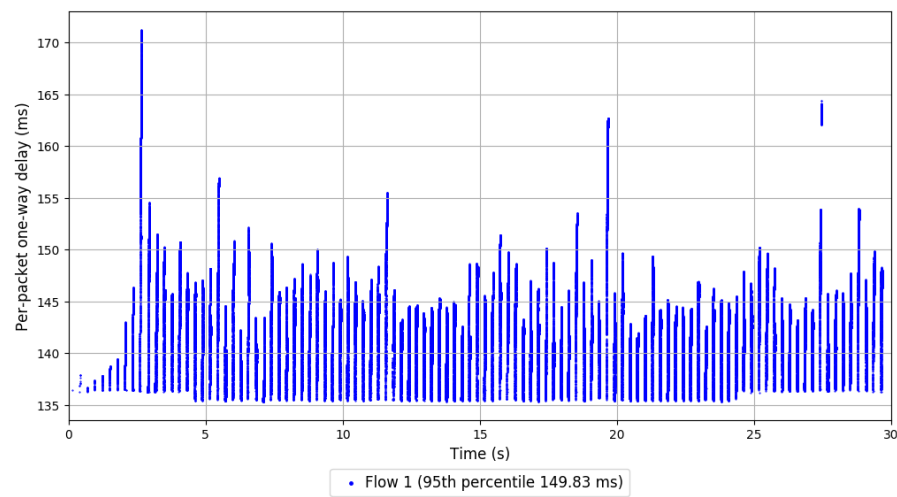
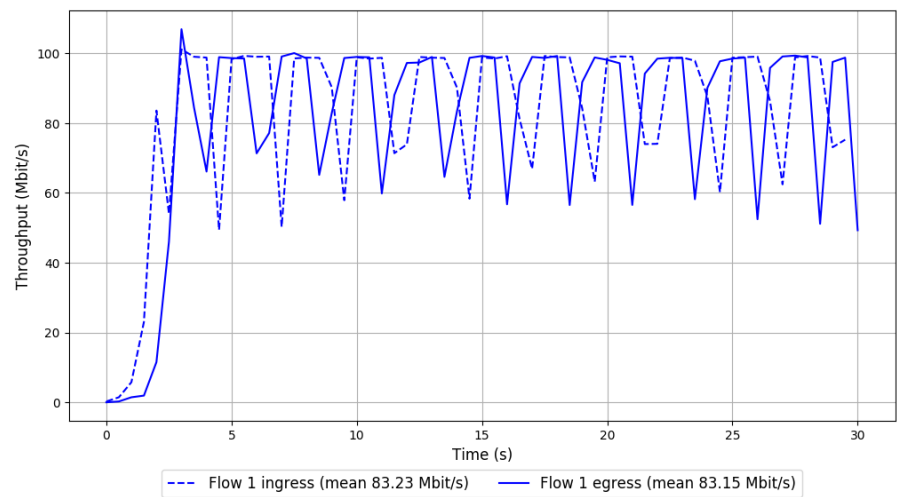


Run 8: Statistics of TCP Cubic

Start at: 2018-07-11 11:39:19
End at: 2018-07-11 11:39:49
Local clock offset: 0.005 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-11 13:07:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.15 Mbit/s
95th percentile per-packet one-way delay: 149.833 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 83.15 Mbit/s
95th percentile per-packet one-way delay: 149.833 ms
Loss rate: 1.00%

Run 8: Report of TCP Cubic — Data Link

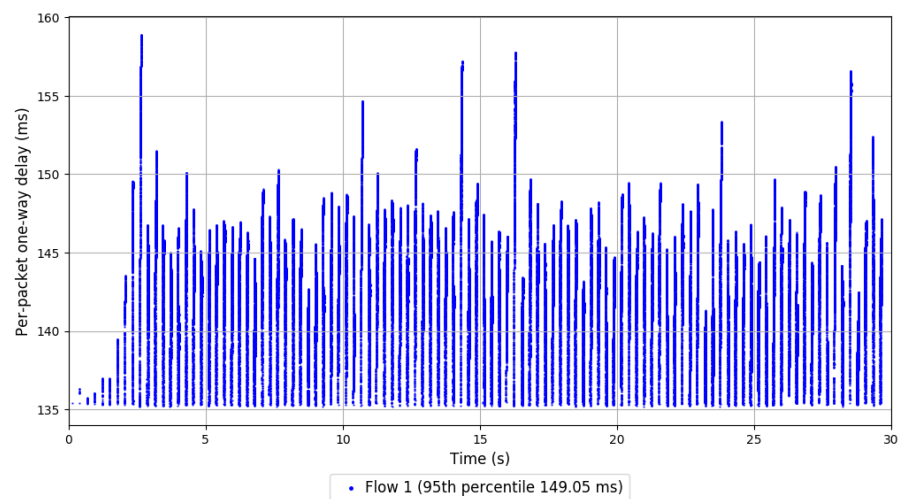
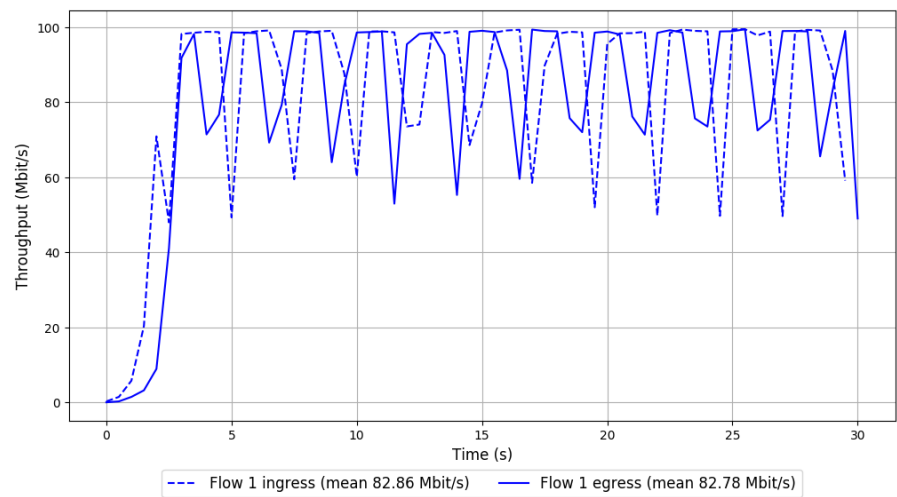


Run 9: Statistics of TCP Cubic

Start at: 2018-07-11 12:02:17
End at: 2018-07-11 12:02:47
Local clock offset: -0.214 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-07-11 13:07:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.78 Mbit/s
95th percentile per-packet one-way delay: 149.048 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 82.78 Mbit/s
95th percentile per-packet one-way delay: 149.048 ms
Loss rate: 1.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-11 12:25:17

End at: 2018-07-11 12:25:47

Local clock offset: 0.051 ms

Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-07-11 13:07:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.32 Mbit/s

95th percentile per-packet one-way delay: 148.318 ms

Loss rate: 1.06%

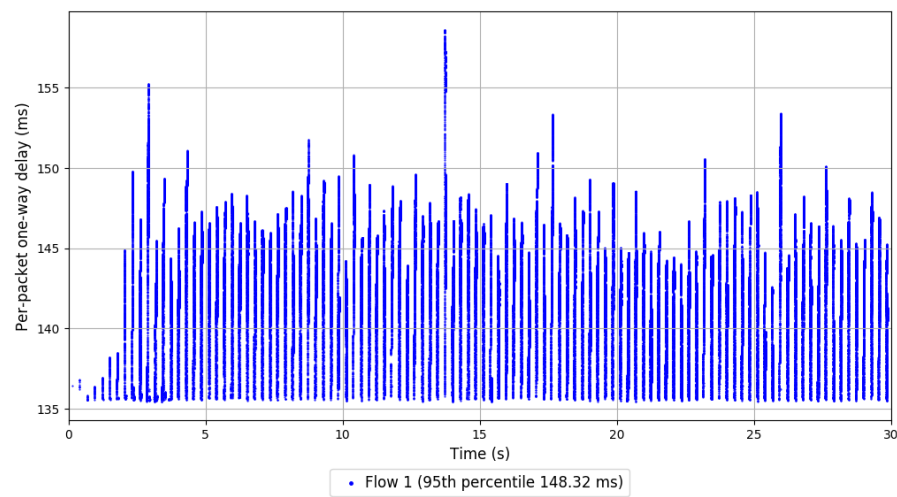
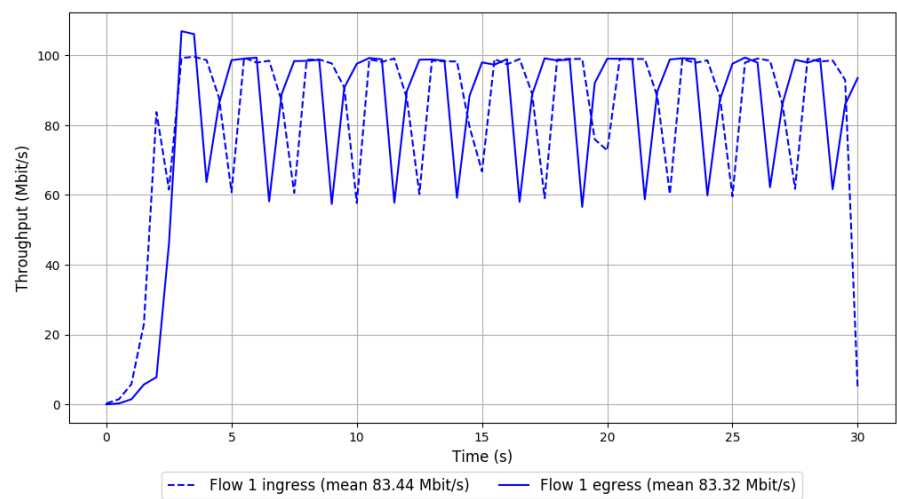
-- Flow 1:

Average throughput: 83.32 Mbit/s

95th percentile per-packet one-way delay: 148.318 ms

Loss rate: 1.06%

Run 10: Report of TCP Cubic — Data Link

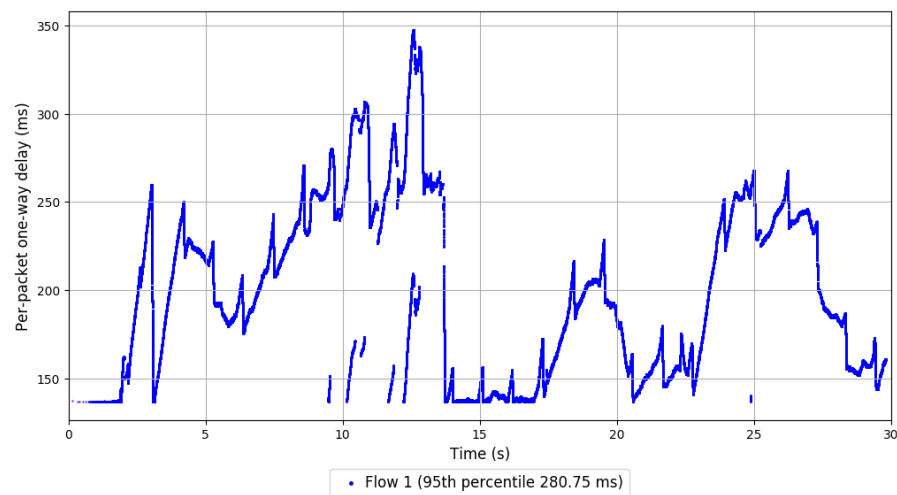
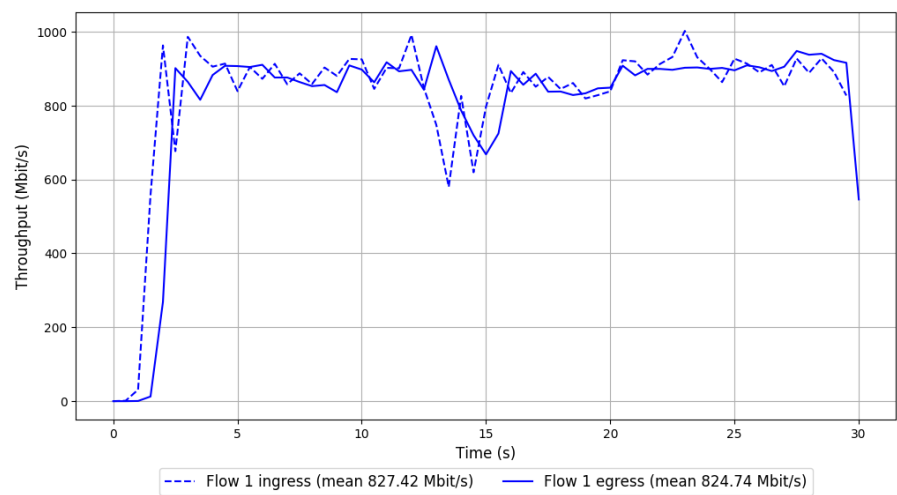


Run 1: Statistics of FillP

Start at: 2018-07-11 09:18:15
End at: 2018-07-11 09:18:45
Local clock offset: 0.061 ms
Remote clock offset: -0.382 ms

Below is generated by plot.py at 2018-07-11 13:21:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 824.74 Mbit/s
95th percentile per-packet one-way delay: 280.753 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 824.74 Mbit/s
95th percentile per-packet one-way delay: 280.753 ms
Loss rate: 1.23%

Run 1: Report of FillP — Data Link

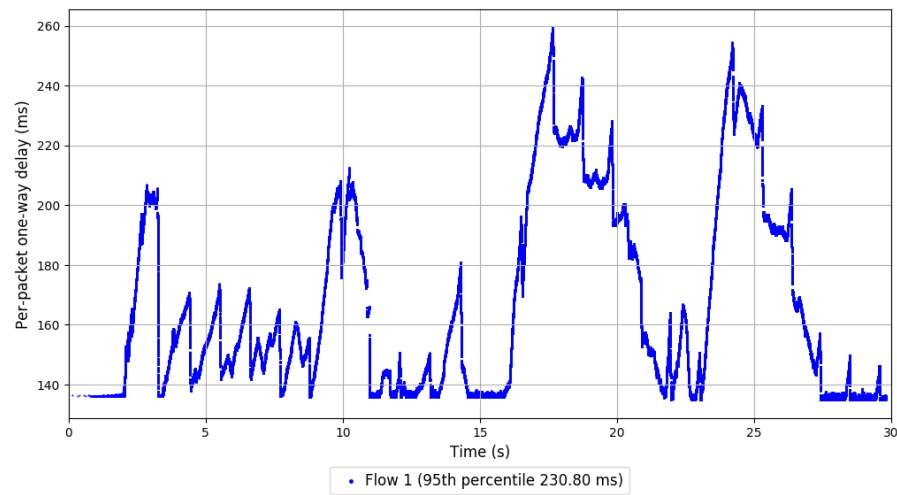
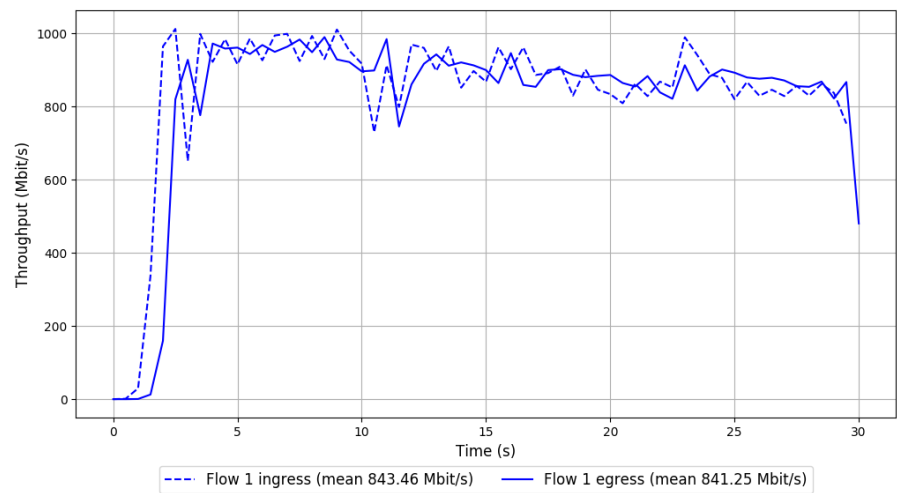


Run 2: Statistics of FillP

Start at: 2018-07-11 09:41:25
End at: 2018-07-11 09:41:55
Local clock offset: 0.004 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-11 13:21:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 841.25 Mbit/s
95th percentile per-packet one-way delay: 230.802 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 841.25 Mbit/s
95th percentile per-packet one-way delay: 230.802 ms
Loss rate: 1.17%

Run 2: Report of FillP — Data Link

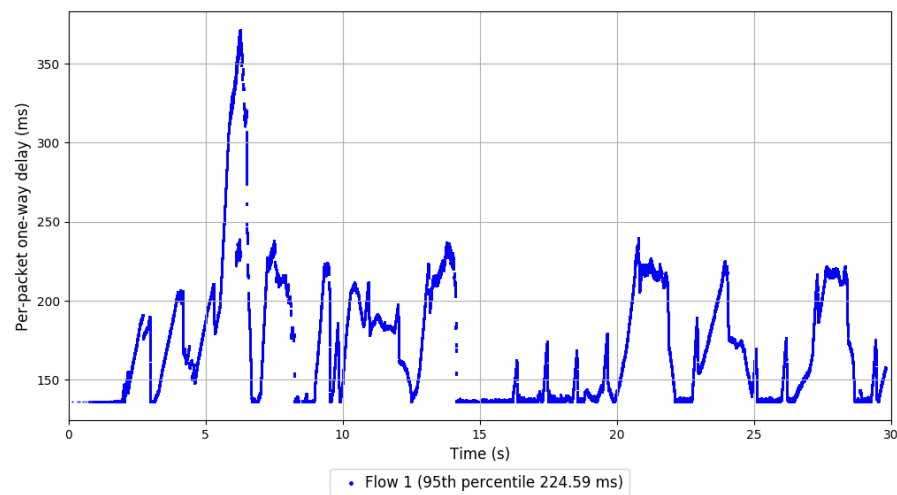
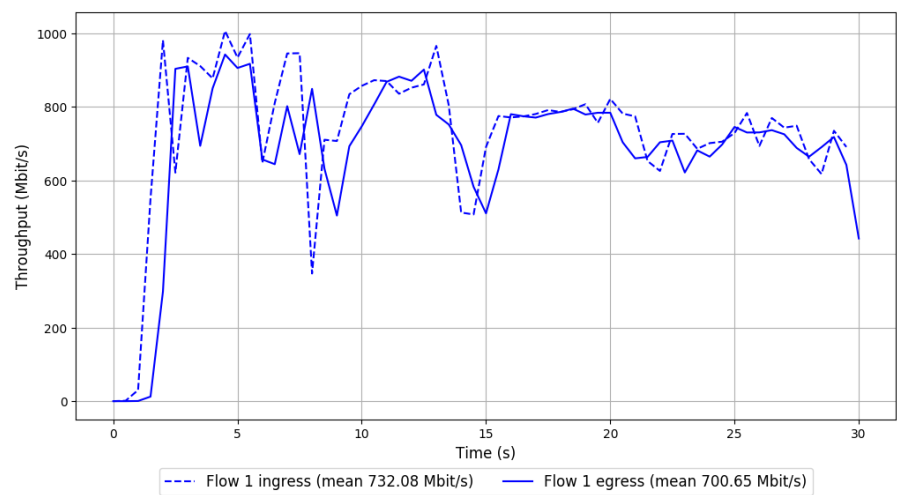


Run 3: Statistics of FillP

Start at: 2018-07-11 10:04:07
End at: 2018-07-11 10:04:37
Local clock offset: -0.04 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-07-11 13:21:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 700.65 Mbit/s
95th percentile per-packet one-way delay: 224.592 ms
Loss rate: 5.16%
-- Flow 1:
Average throughput: 700.65 Mbit/s
95th percentile per-packet one-way delay: 224.592 ms
Loss rate: 5.16%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-11 10:26:29

End at: 2018-07-11 10:26:59

Local clock offset: 0.17 ms

Remote clock offset: 0.31 ms

Below is generated by plot.py at 2018-07-11 13:21:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 679.66 Mbit/s

95th percentile per-packet one-way delay: 272.294 ms

Loss rate: 6.79%

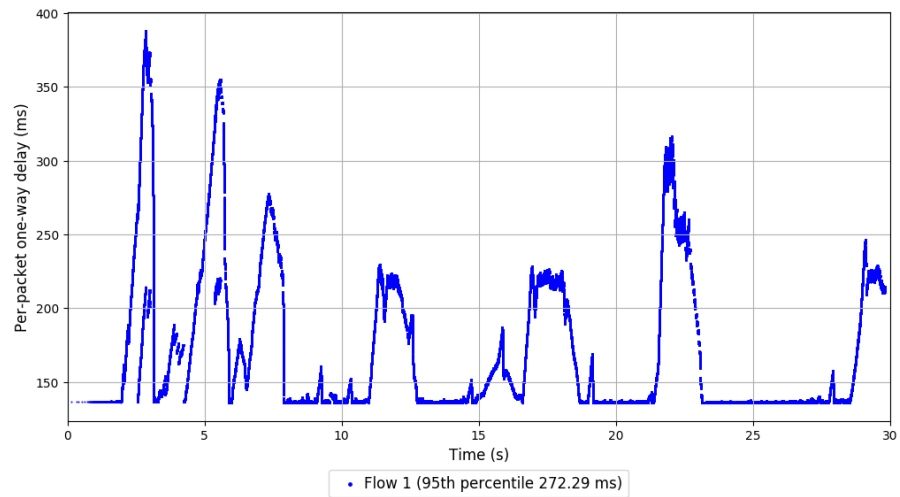
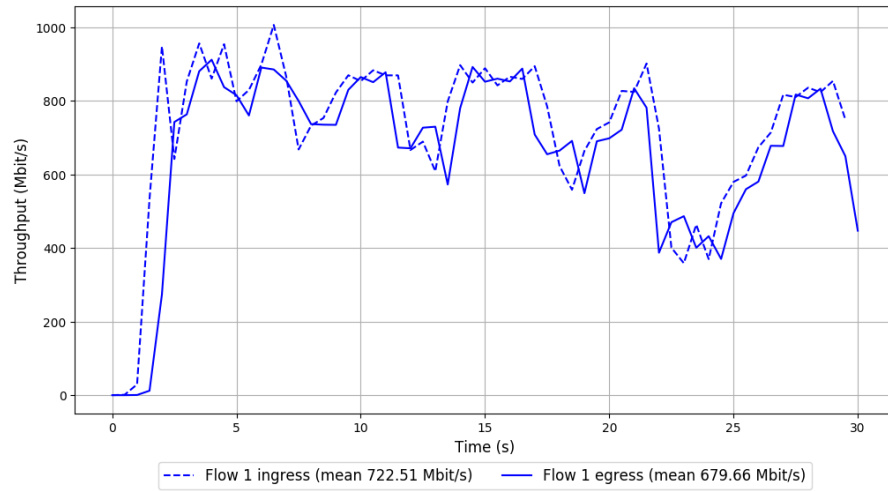
-- Flow 1:

Average throughput: 679.66 Mbit/s

95th percentile per-packet one-way delay: 272.294 ms

Loss rate: 6.79%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-11 10:49:09

End at: 2018-07-11 10:49:39

Local clock offset: 0.126 ms

Remote clock offset: 0.321 ms

Below is generated by plot.py at 2018-07-11 13:21:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 686.36 Mbit/s

95th percentile per-packet one-way delay: 218.679 ms

Loss rate: 5.10%

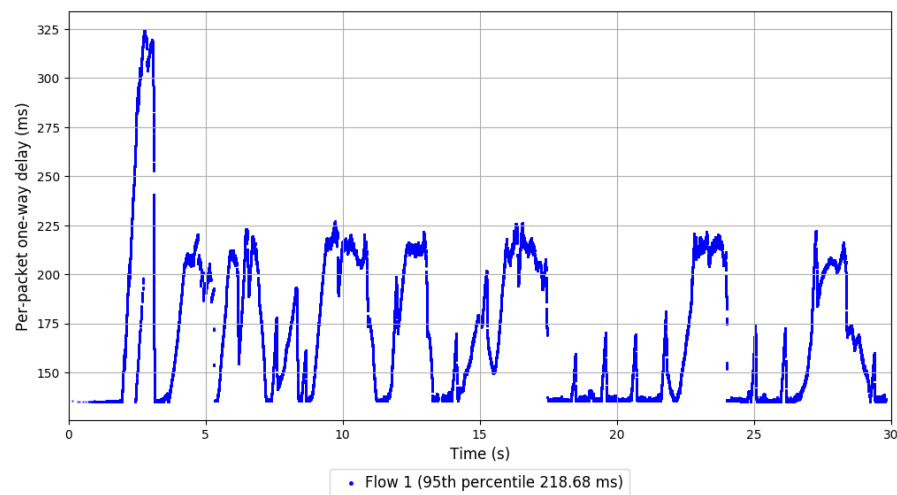
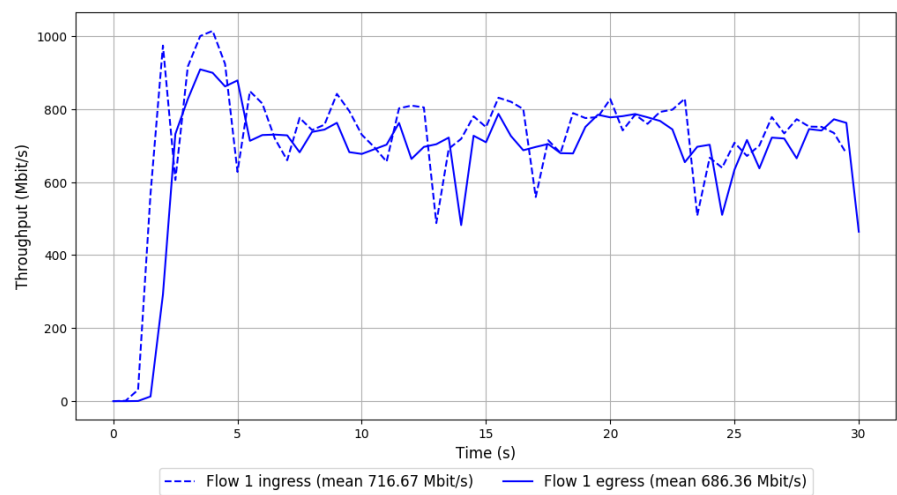
-- Flow 1:

Average throughput: 686.36 Mbit/s

95th percentile per-packet one-way delay: 218.679 ms

Loss rate: 5.10%

Run 5: Report of FillP — Data Link

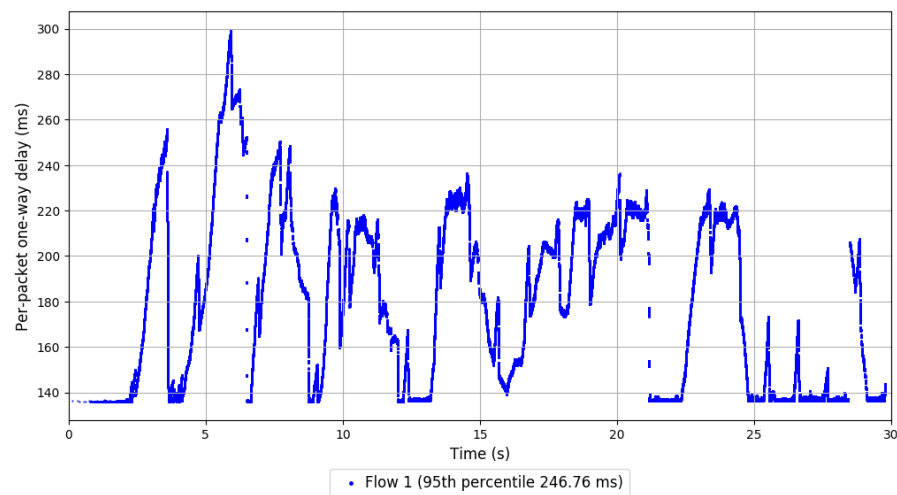
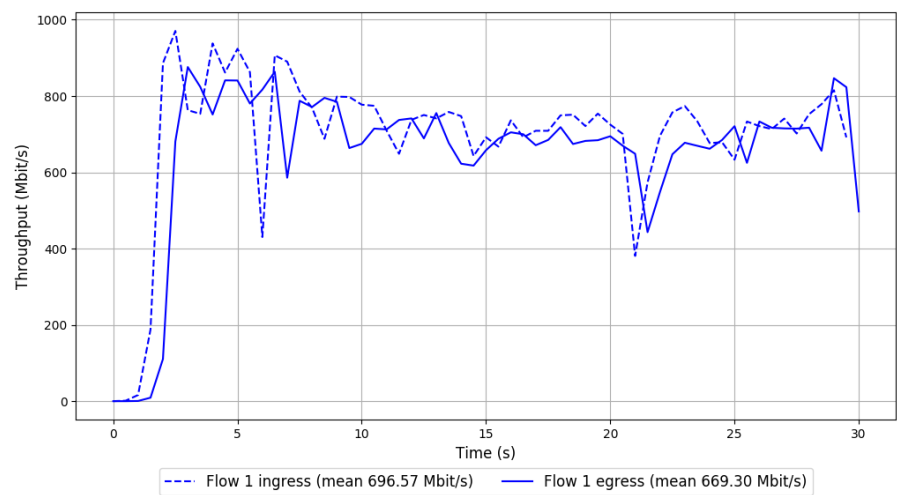


Run 6: Statistics of FillP

Start at: 2018-07-11 11:12:11
End at: 2018-07-11 11:12:41
Local clock offset: -0.041 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-11 13:21:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 669.30 Mbit/s
95th percentile per-packet one-way delay: 246.759 ms
Loss rate: 4.79%
-- Flow 1:
Average throughput: 669.30 Mbit/s
95th percentile per-packet one-way delay: 246.759 ms
Loss rate: 4.79%

Run 6: Report of FillP — Data Link

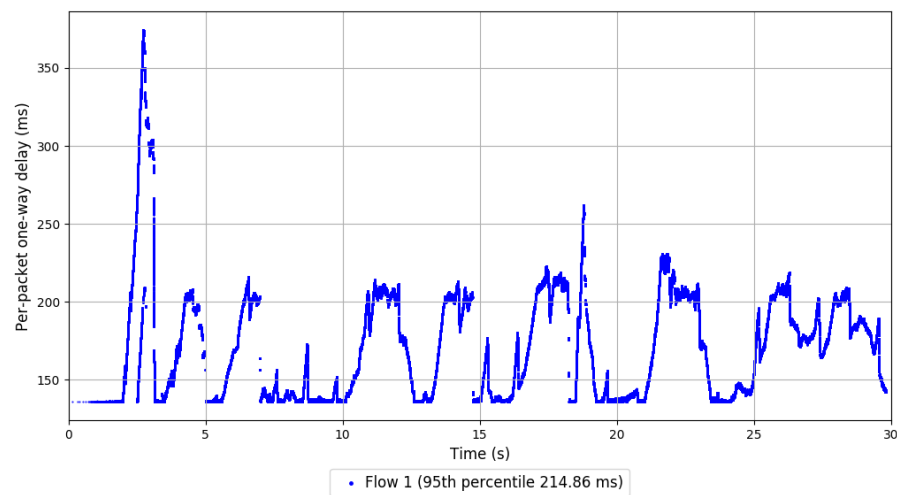
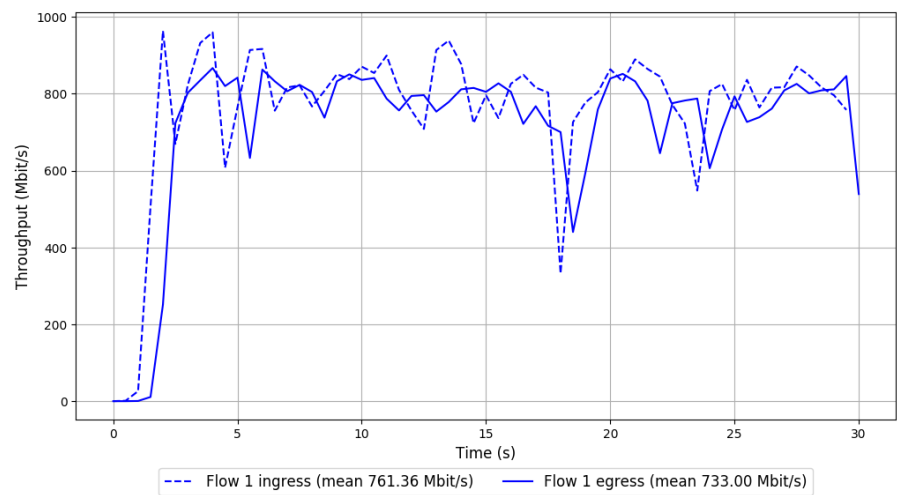


Run 7: Statistics of FillP

Start at: 2018-07-11 11:34:46
End at: 2018-07-11 11:35:16
Local clock offset: -0.038 ms
Remote clock offset: -0.434 ms

Below is generated by plot.py at 2018-07-11 13:22:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 733.00 Mbit/s
95th percentile per-packet one-way delay: 214.860 ms
Loss rate: 4.60%
-- Flow 1:
Average throughput: 733.00 Mbit/s
95th percentile per-packet one-way delay: 214.860 ms
Loss rate: 4.60%

Run 7: Report of FillP — Data Link

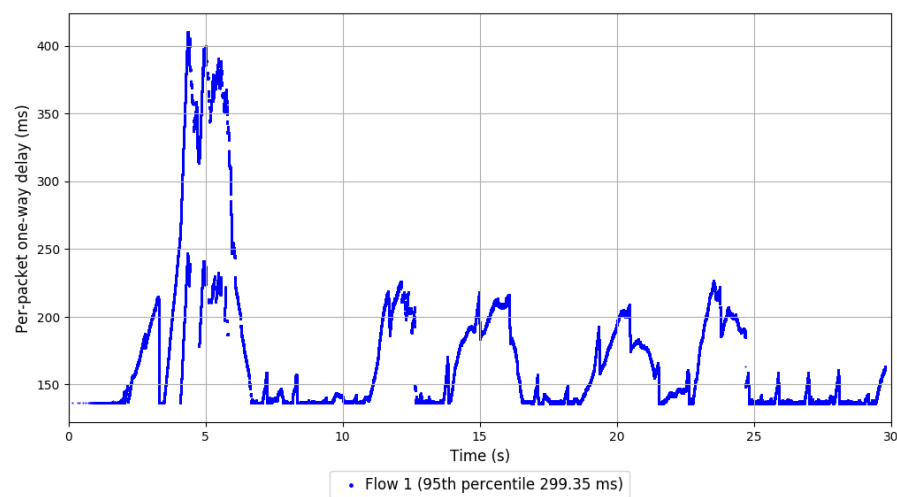
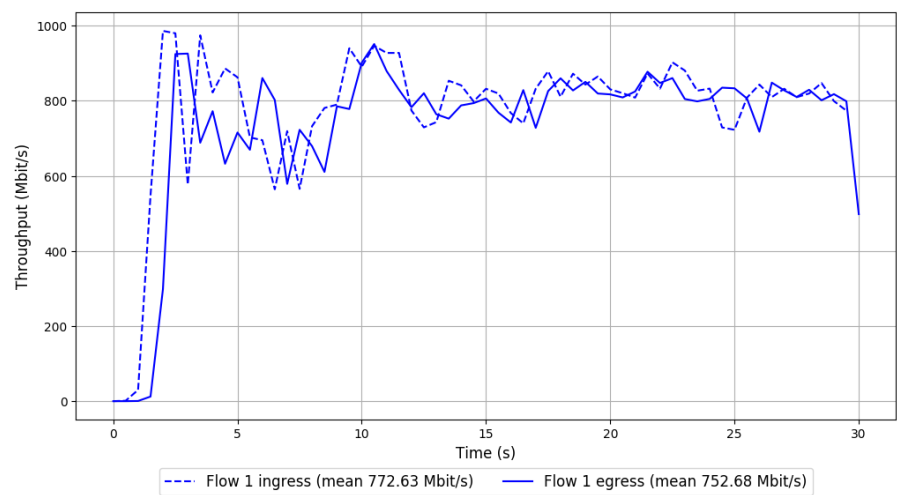


Run 8: Statistics of FillP

Start at: 2018-07-11 11:57:47
End at: 2018-07-11 11:58:17
Local clock offset: -0.138 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-11 13:23:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 752.68 Mbit/s
95th percentile per-packet one-way delay: 299.347 ms
Loss rate: 3.47%
-- Flow 1:
Average throughput: 752.68 Mbit/s
95th percentile per-packet one-way delay: 299.347 ms
Loss rate: 3.47%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-11 12:20:47

End at: 2018-07-11 12:21:17

Local clock offset: 0.09 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-07-11 13:35:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 755.80 Mbit/s

95th percentile per-packet one-way delay: 215.976 ms

Loss rate: 3.00%

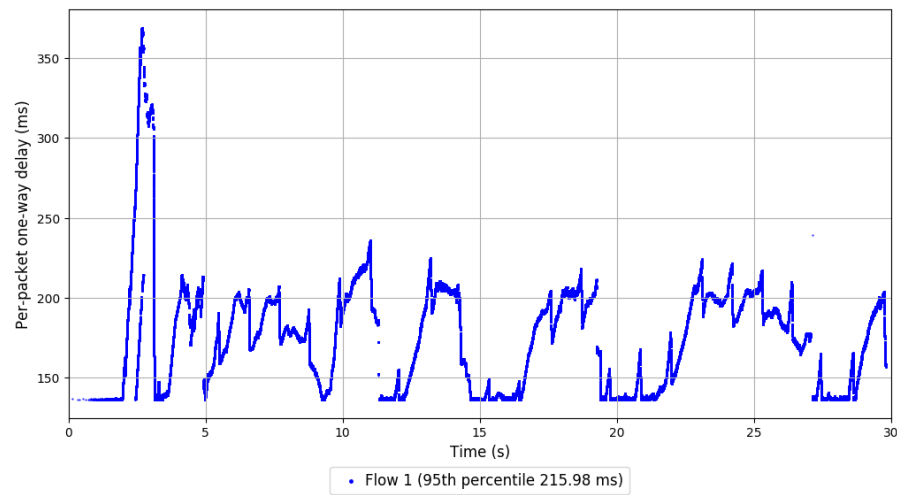
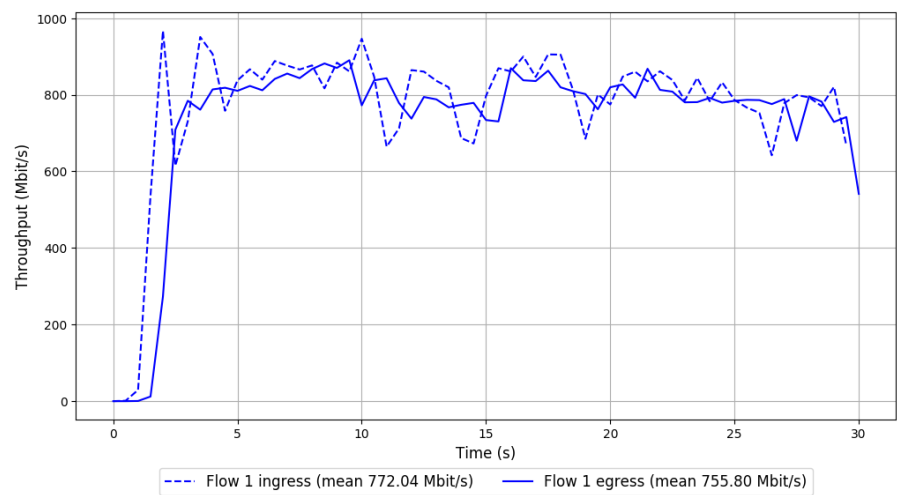
-- Flow 1:

Average throughput: 755.80 Mbit/s

95th percentile per-packet one-way delay: 215.976 ms

Loss rate: 3.00%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-11 12:43:53

End at: 2018-07-11 12:44:23

Local clock offset: -0.009 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-07-11 13:36:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 807.06 Mbit/s

95th percentile per-packet one-way delay: 325.560 ms

Loss rate: 1.79%

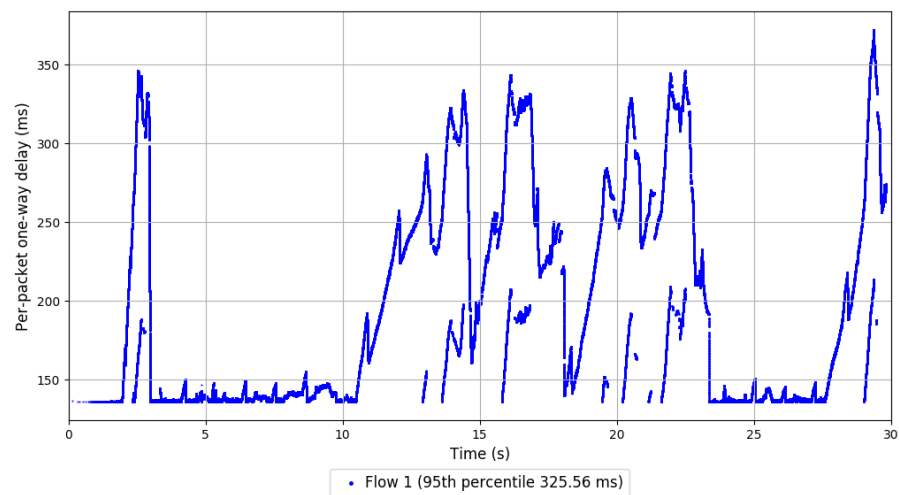
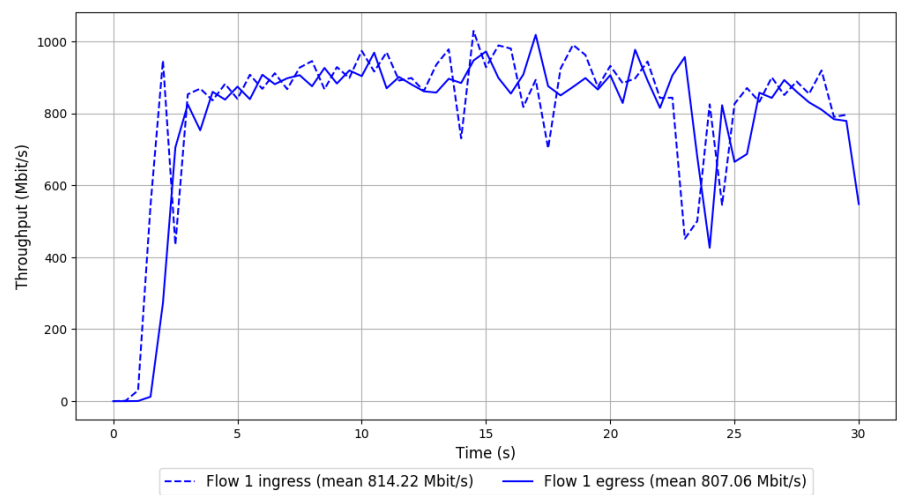
-- Flow 1:

Average throughput: 807.06 Mbit/s

95th percentile per-packet one-way delay: 325.560 ms

Loss rate: 1.79%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-11 09:08:46

End at: 2018-07-11 09:09:16

Local clock offset: -0.035 ms

Remote clock offset: 0.294 ms

Below is generated by plot.py at 2018-07-11 13:36:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 613.31 Mbit/s

95th percentile per-packet one-way delay: 224.371 ms

Loss rate: 7.27%

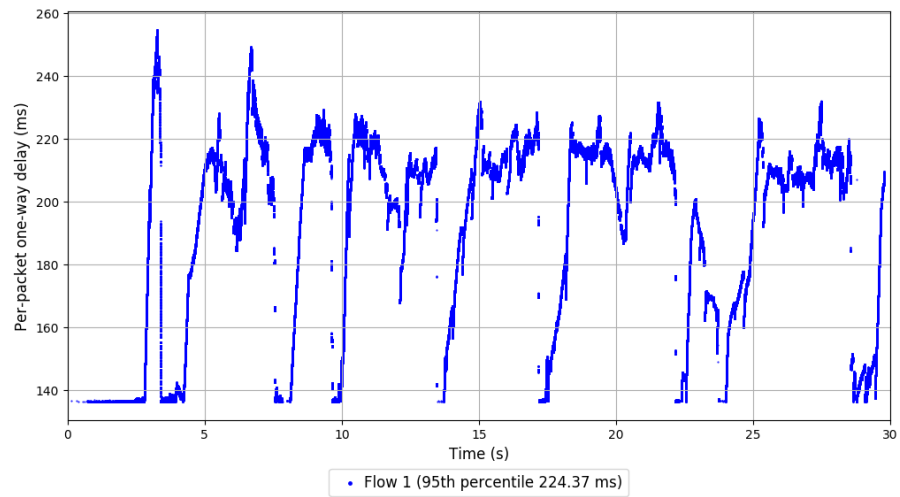
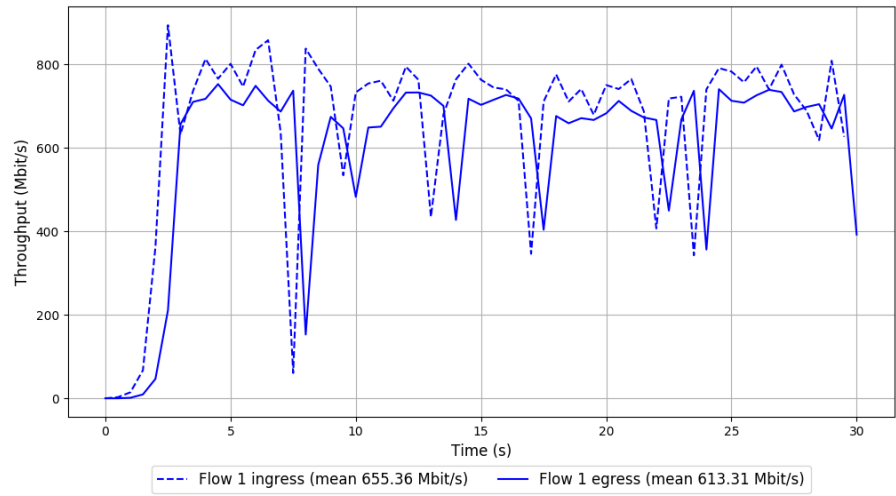
-- Flow 1:

Average throughput: 613.31 Mbit/s

95th percentile per-packet one-way delay: 224.371 ms

Loss rate: 7.27%

Run 1: Report of FillP-Sheep — Data Link

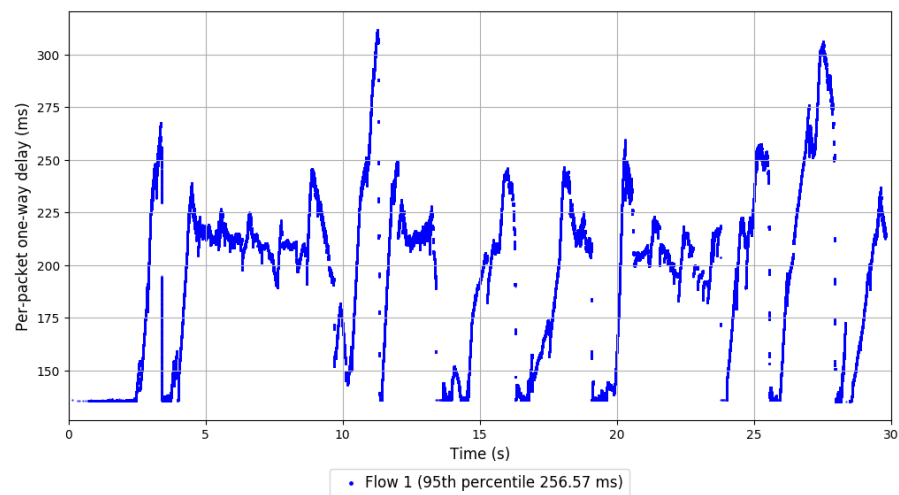
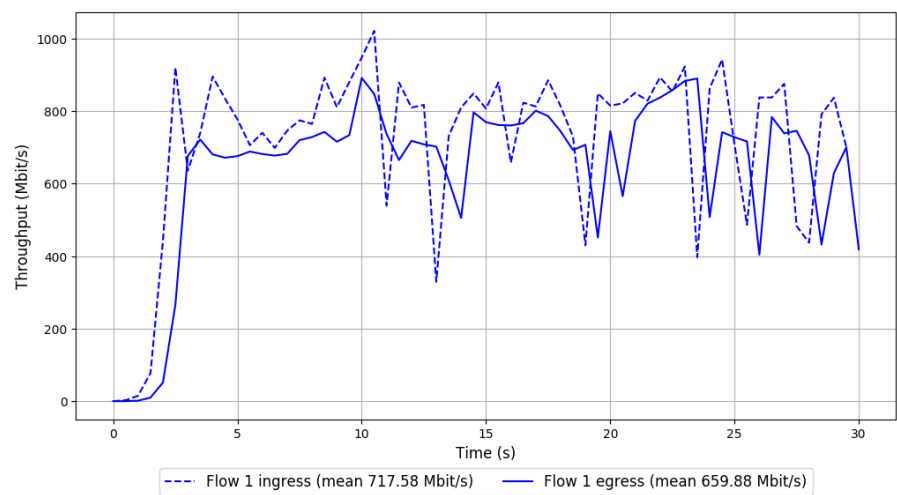


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-11 09:31:47
End at: 2018-07-11 09:32:17
Local clock offset: -0.167 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-11 13:36:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 659.88 Mbit/s
95th percentile per-packet one-way delay: 256.567 ms
Loss rate: 8.88%
-- Flow 1:
Average throughput: 659.88 Mbit/s
95th percentile per-packet one-way delay: 256.567 ms
Loss rate: 8.88%

Run 2: Report of FillP-Sheep — Data Link

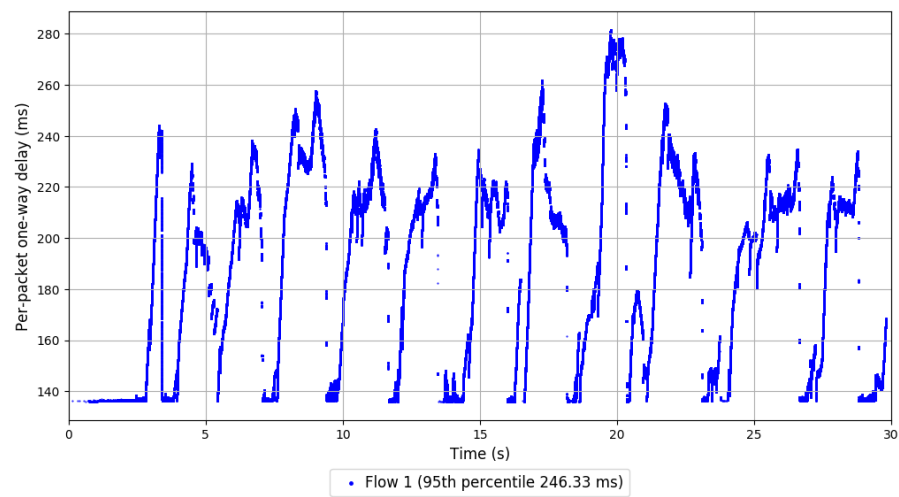
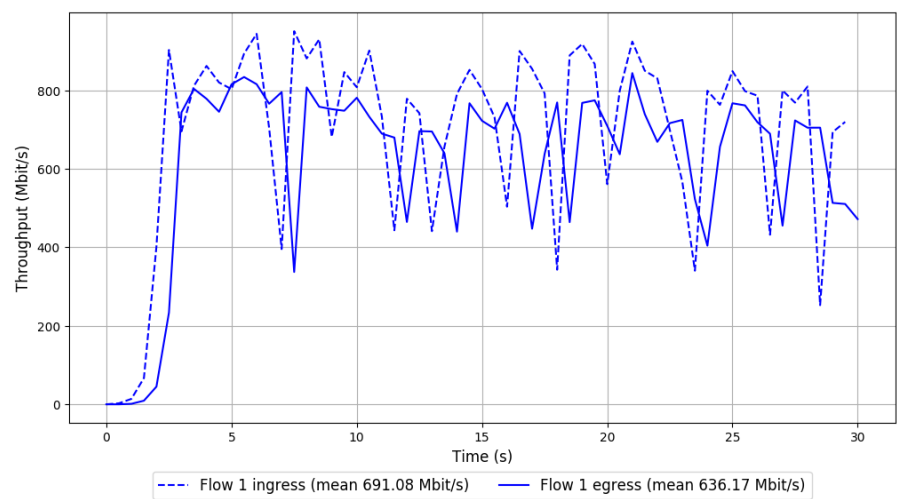


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-11 09:54:52
End at: 2018-07-11 09:55:22
Local clock offset: -0.008 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-11 13:36:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 636.17 Mbit/s
95th percentile per-packet one-way delay: 246.327 ms
Loss rate: 8.79%
-- Flow 1:
Average throughput: 636.17 Mbit/s
95th percentile per-packet one-way delay: 246.327 ms
Loss rate: 8.79%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-11 10:17:07

End at: 2018-07-11 10:17:37

Local clock offset: 0.016 ms

Remote clock offset: 0.302 ms

Below is generated by plot.py at 2018-07-11 13:36:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 597.53 Mbit/s

95th percentile per-packet one-way delay: 223.032 ms

Loss rate: 7.71%

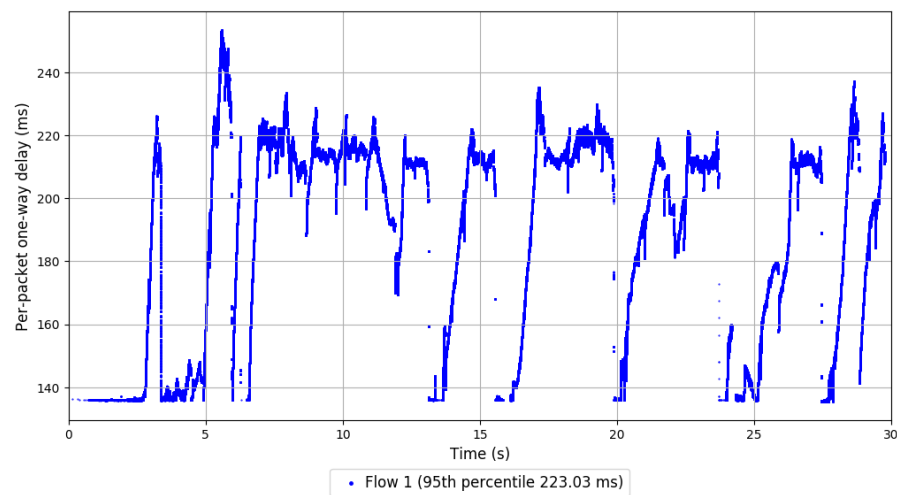
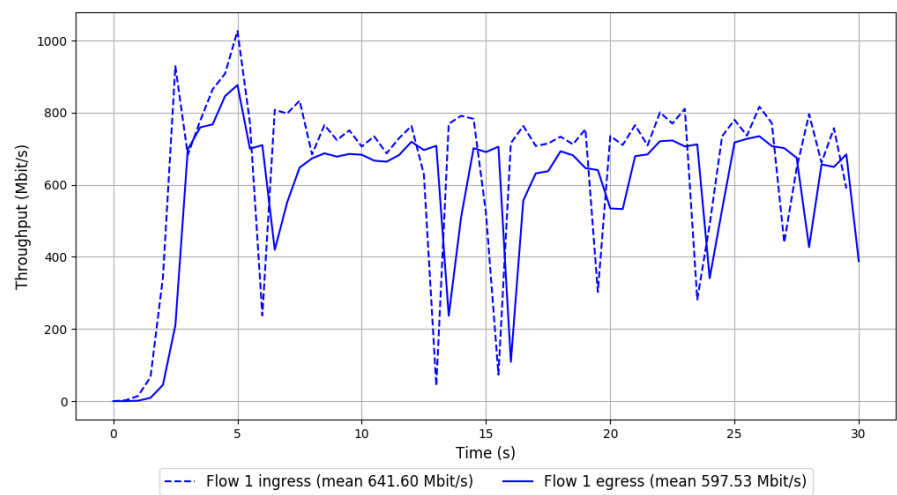
-- Flow 1:

Average throughput: 597.53 Mbit/s

95th percentile per-packet one-way delay: 223.032 ms

Loss rate: 7.71%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-11 10:39:48

End at: 2018-07-11 10:40:18

Local clock offset: 0.283 ms

Remote clock offset: 0.331 ms

Below is generated by plot.py at 2018-07-11 13:36:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 194.19 Mbit/s

95th percentile per-packet one-way delay: 345.861 ms

Loss rate: 1.53%

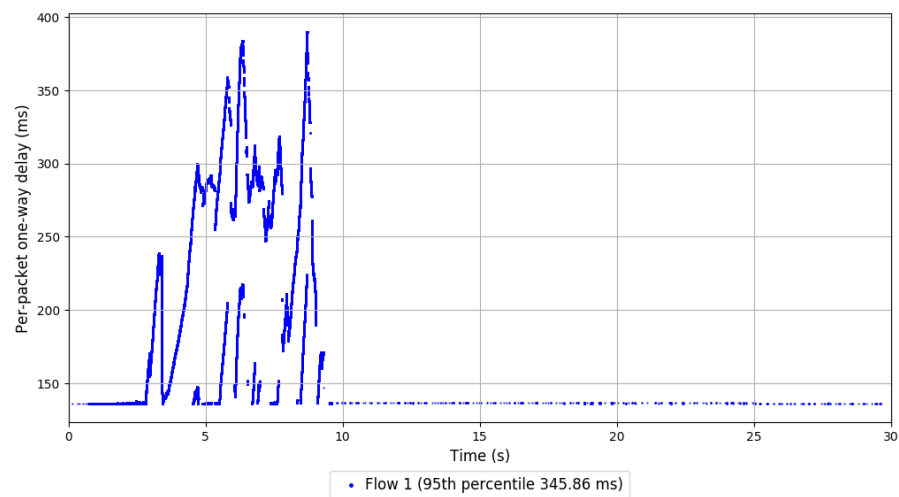
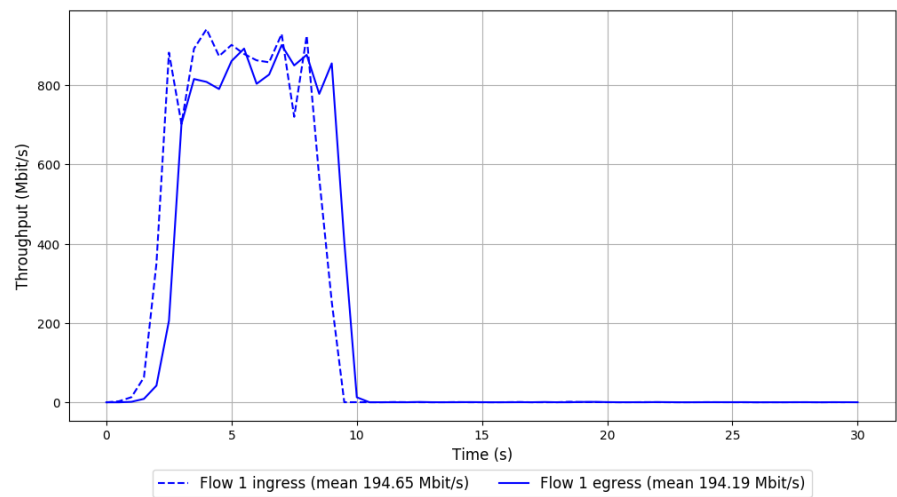
-- Flow 1:

Average throughput: 194.19 Mbit/s

95th percentile per-packet one-way delay: 345.861 ms

Loss rate: 1.53%

Run 5: Report of FillP-Sheep — Data Link

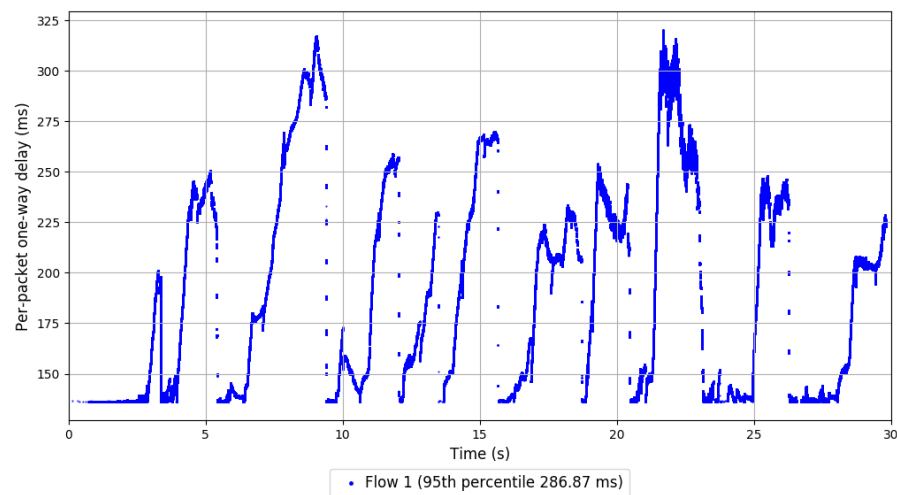
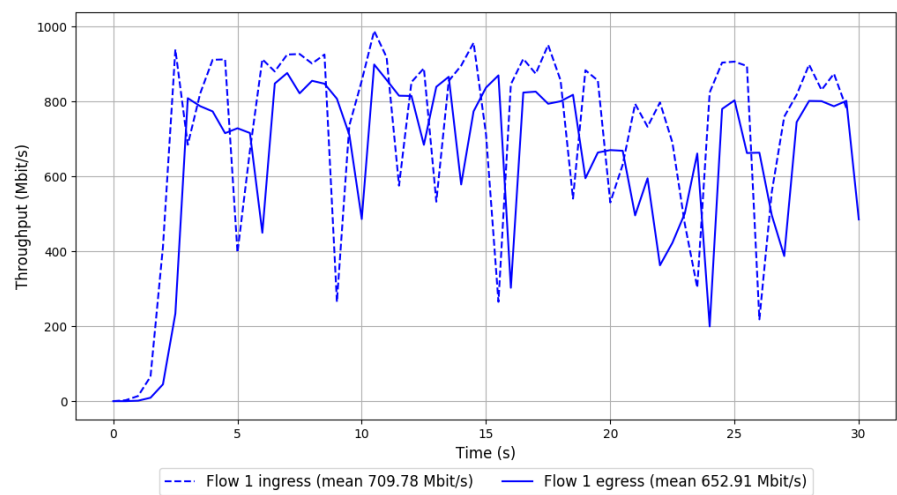


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-11 11:02:35
End at: 2018-07-11 11:03:05
Local clock offset: -0.103 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-11 13:38:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 652.91 Mbit/s
95th percentile per-packet one-way delay: 286.866 ms
Loss rate: 8.85%
-- Flow 1:
Average throughput: 652.91 Mbit/s
95th percentile per-packet one-way delay: 286.866 ms
Loss rate: 8.85%

Run 6: Report of FillP-Sheep — Data Link

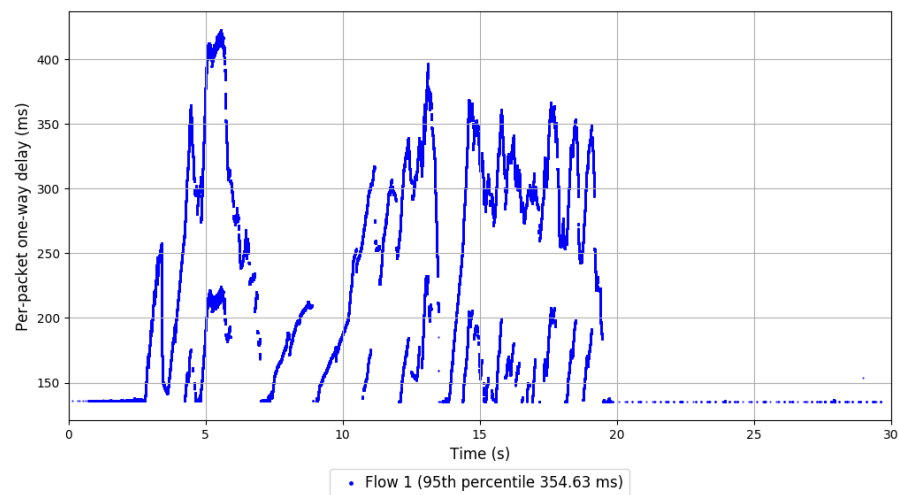
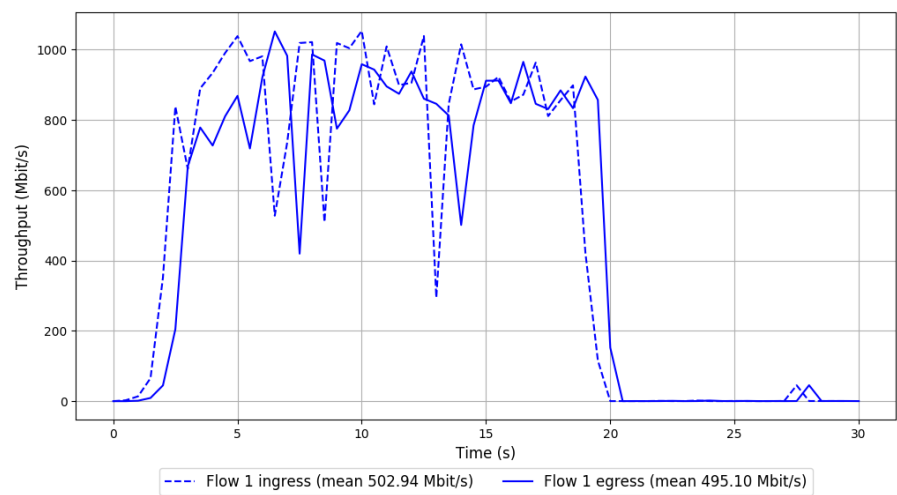


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-11 11:25:12
End at: 2018-07-11 11:25:42
Local clock offset: -0.161 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-11 13:38:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 495.10 Mbit/s
95th percentile per-packet one-way delay: 354.631 ms
Loss rate: 2.76%
-- Flow 1:
Average throughput: 495.10 Mbit/s
95th percentile per-packet one-way delay: 354.631 ms
Loss rate: 2.76%

Run 7: Report of FillP-Sheep — Data Link

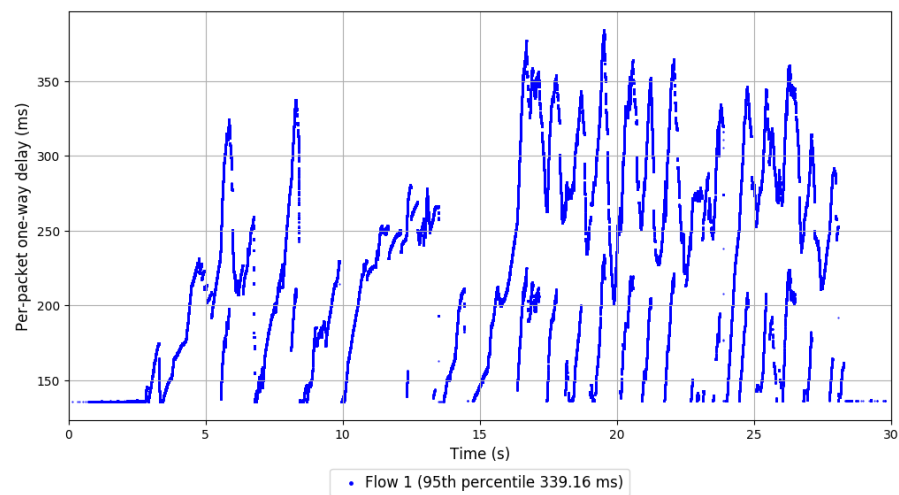
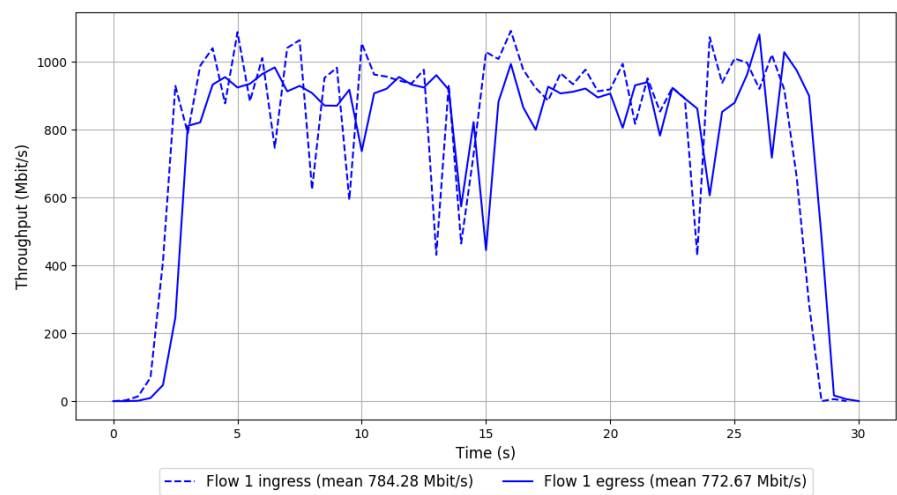


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-11 11:48:09
End at: 2018-07-11 11:48:39
Local clock offset: -0.096 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-11 13:49:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 772.67 Mbit/s
95th percentile per-packet one-way delay: 339.163 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 772.67 Mbit/s
95th percentile per-packet one-way delay: 339.163 ms
Loss rate: 2.17%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-11 12:11:07

End at: 2018-07-11 12:11:37

Local clock offset: -0.042 ms

Remote clock offset: 0.306 ms

Below is generated by plot.py at 2018-07-11 13:49:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 622.76 Mbit/s

95th percentile per-packet one-way delay: 244.505 ms

Loss rate: 11.36%

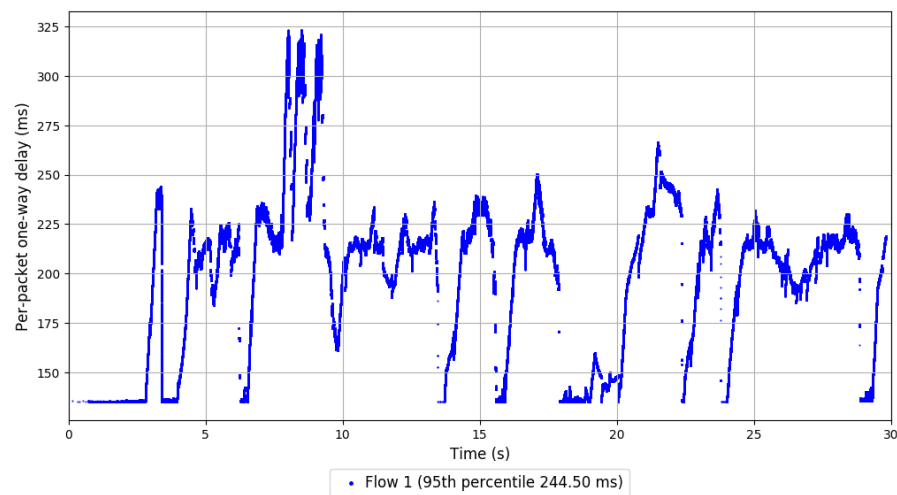
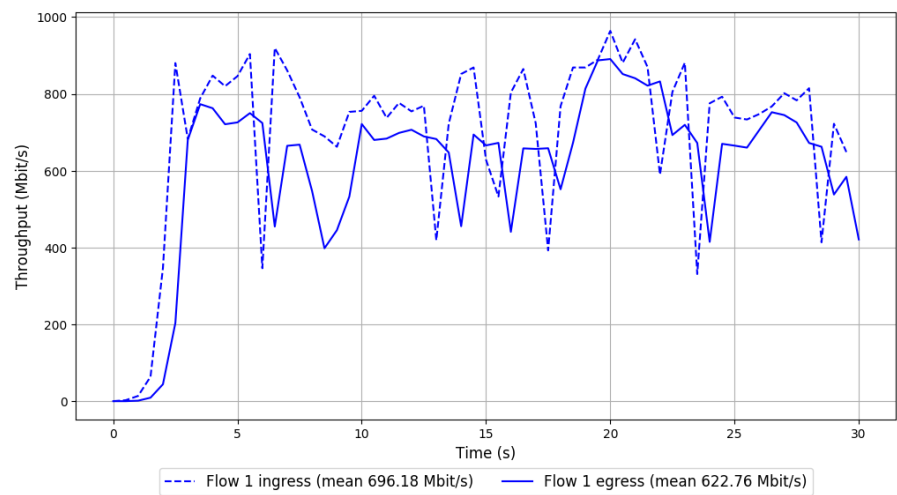
-- Flow 1:

Average throughput: 622.76 Mbit/s

95th percentile per-packet one-way delay: 244.505 ms

Loss rate: 11.36%

Run 9: Report of FillP-Sheep — Data Link

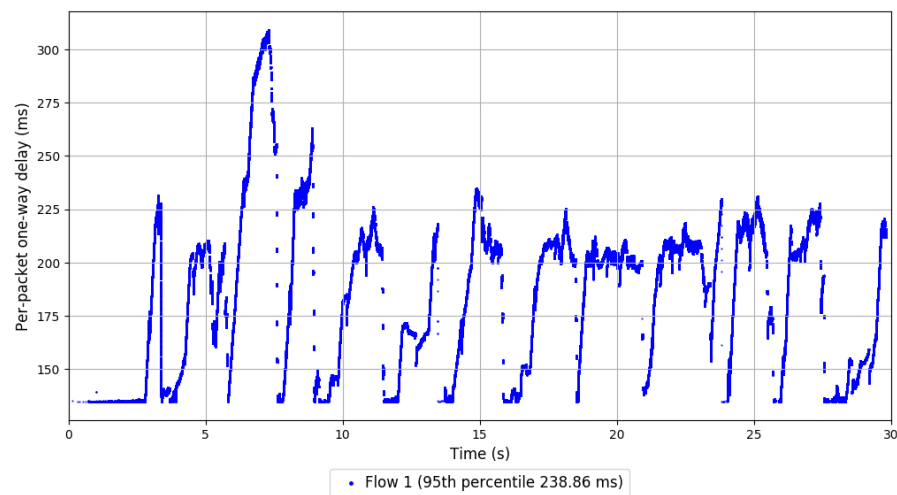
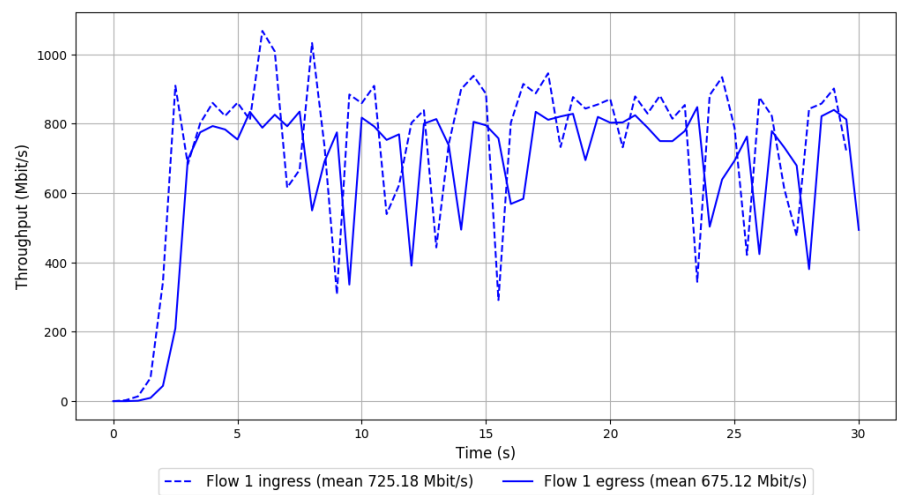


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-11 12:34:14
End at: 2018-07-11 12:34:44
Local clock offset: -0.248 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-07-11 13:49:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 675.12 Mbit/s
95th percentile per-packet one-way delay: 238.862 ms
Loss rate: 7.76%
-- Flow 1:
Average throughput: 675.12 Mbit/s
95th percentile per-packet one-way delay: 238.862 ms
Loss rate: 7.76%

Run 10: Report of FillP-Sheep — Data Link

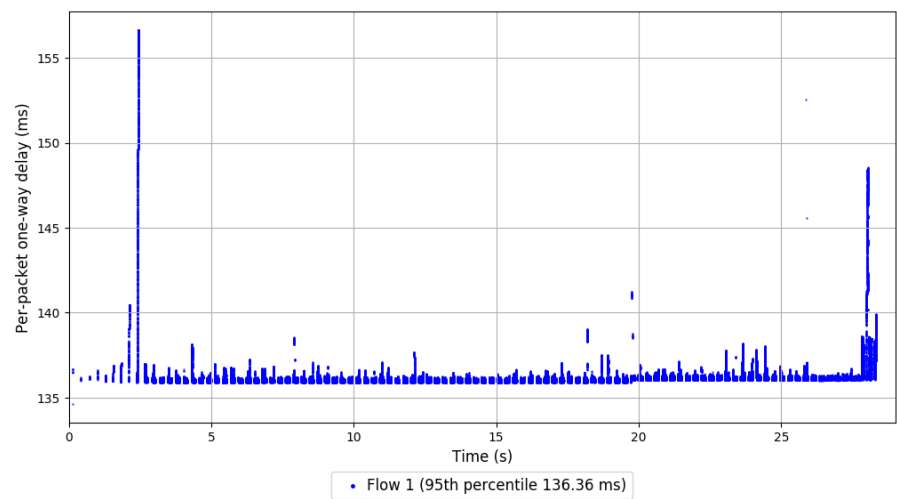
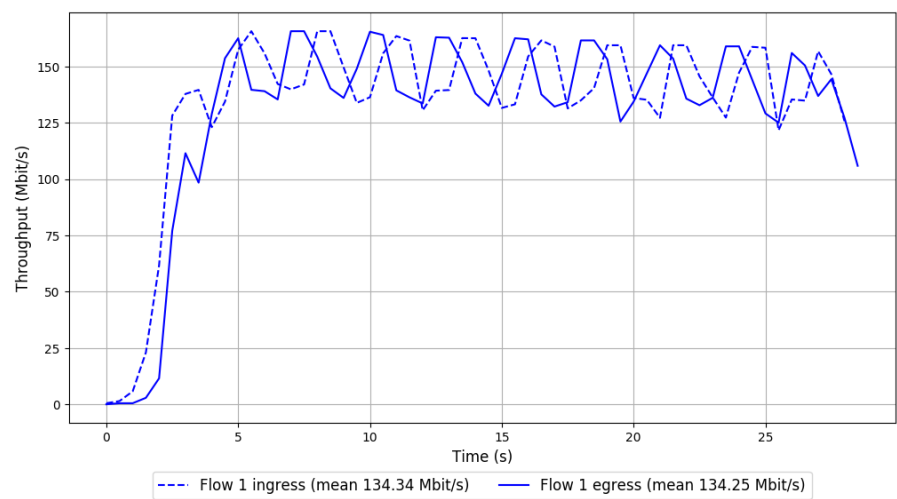


```
Run 1: Statistics of Indigo

Start at: 2018-07-11 09:14:12
End at: 2018-07-11 09:14:42
Local clock offset: -0.198 ms
Remote clock offset: 0.025 ms

# Below is generated by plot.py at 2018-07-11 13:49:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 134.25 Mbit/s
95th percentile per-packet one-way delay: 136.362 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 134.25 Mbit/s
95th percentile per-packet one-way delay: 136.362 ms
Loss rate: 1.01%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-11 09:37:17

End at: 2018-07-11 09:37:47

Local clock offset: 0.076 ms

Remote clock offset: 0.319 ms

Below is generated by plot.py at 2018-07-11 13:49:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 140.04 Mbit/s

95th percentile per-packet one-way delay: 136.200 ms

Loss rate: 0.94%

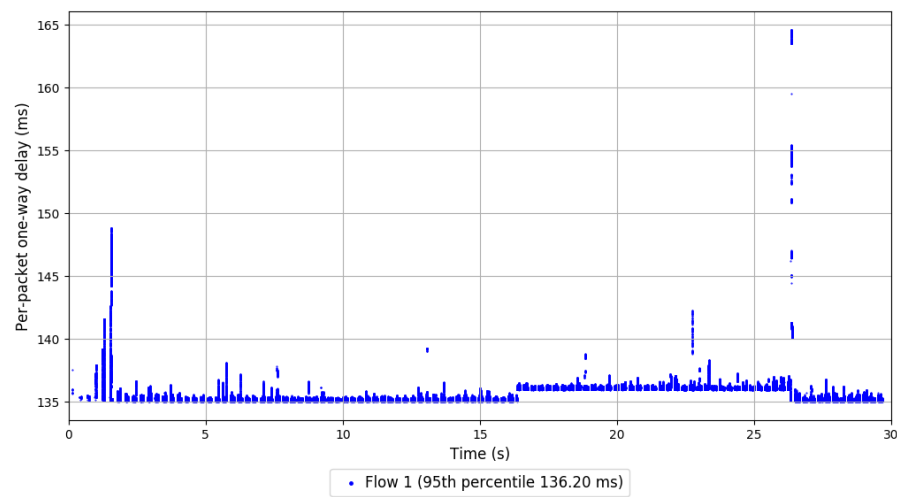
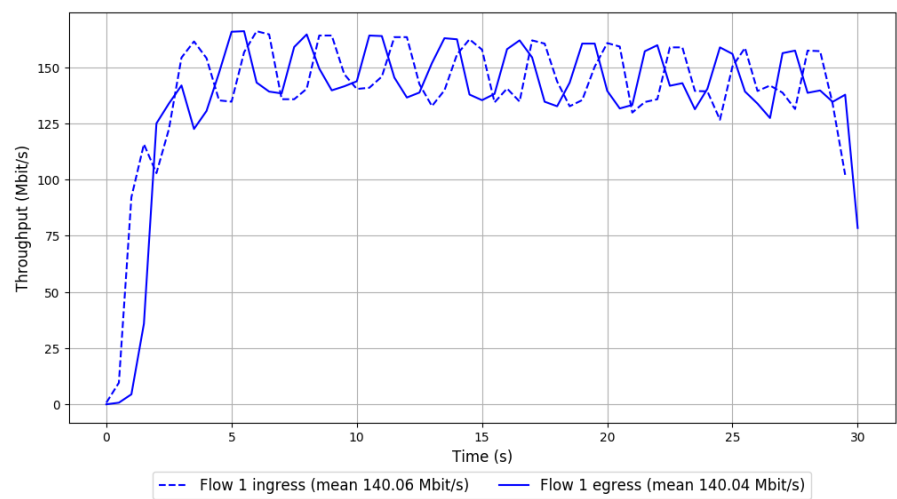
-- Flow 1:

Average throughput: 140.04 Mbit/s

95th percentile per-packet one-way delay: 136.200 ms

Loss rate: 0.94%

Run 2: Report of Indigo — Data Link

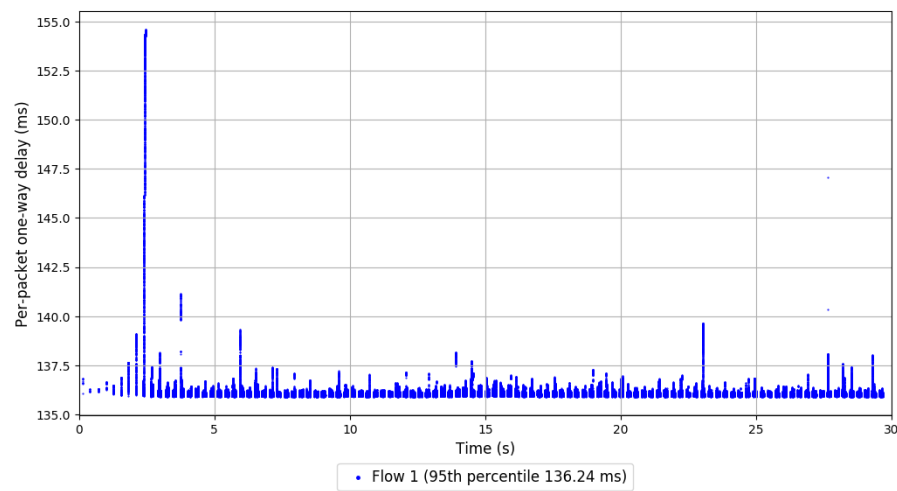
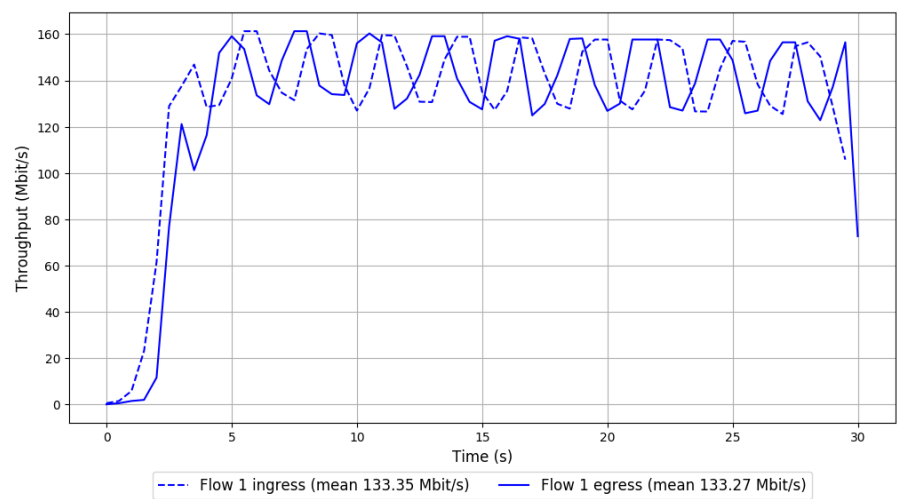


Run 3: Statistics of Indigo

Start at: 2018-07-11 10:00:21
End at: 2018-07-11 10:00:51
Local clock offset: -0.23 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-07-11 13:49:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 133.27 Mbit/s
95th percentile per-packet one-way delay: 136.244 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 133.27 Mbit/s
95th percentile per-packet one-way delay: 136.244 ms
Loss rate: 0.97%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-11 10:22:32

End at: 2018-07-11 10:23:02

Local clock offset: -0.013 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-11 13:49:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.24 Mbit/s

95th percentile per-packet one-way delay: 136.306 ms

Loss rate: 0.90%

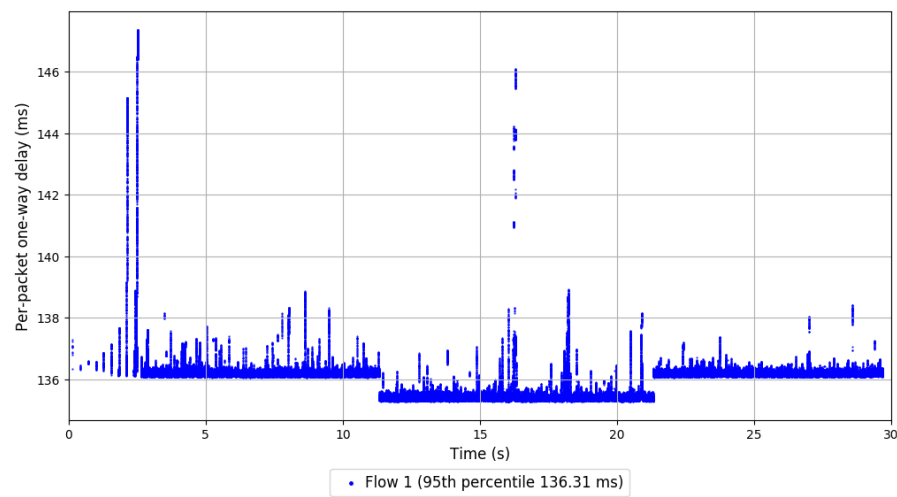
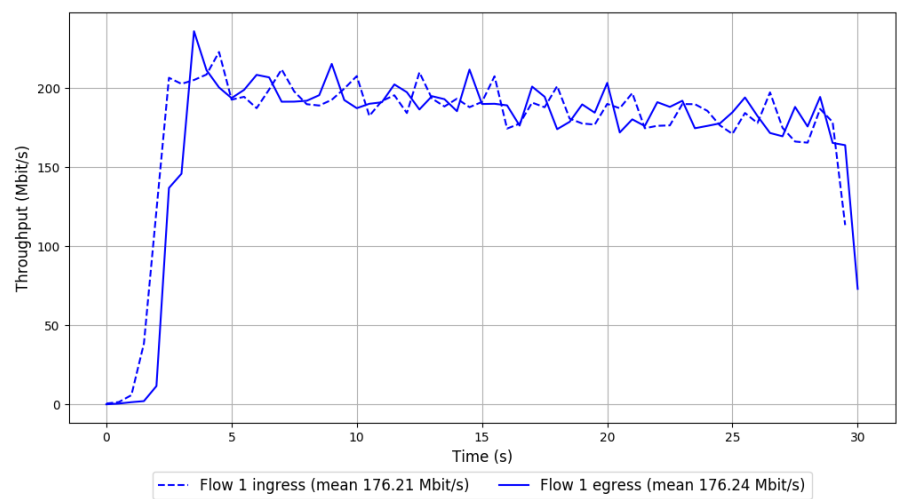
-- Flow 1:

Average throughput: 176.24 Mbit/s

95th percentile per-packet one-way delay: 136.306 ms

Loss rate: 0.90%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-11 10:44:57

End at: 2018-07-11 10:45:27

Local clock offset: -0.017 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-07-11 13:49:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 178.03 Mbit/s

95th percentile per-packet one-way delay: 136.420 ms

Loss rate: 0.94%

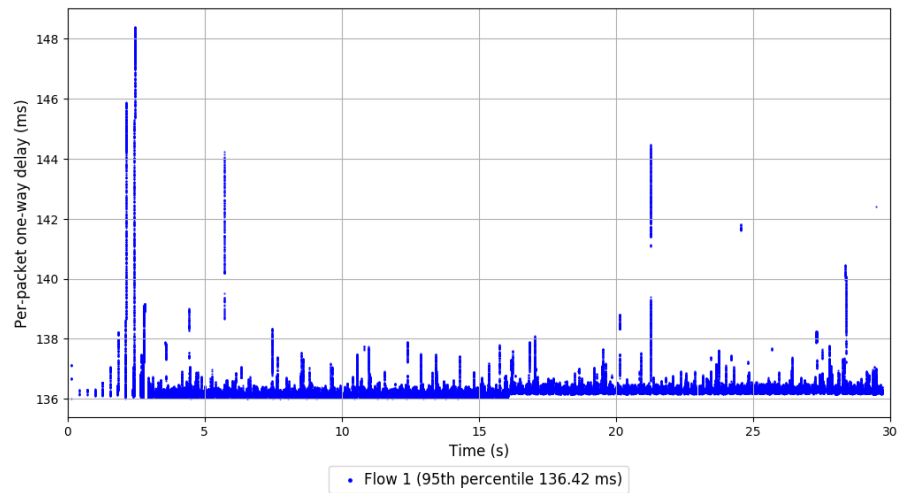
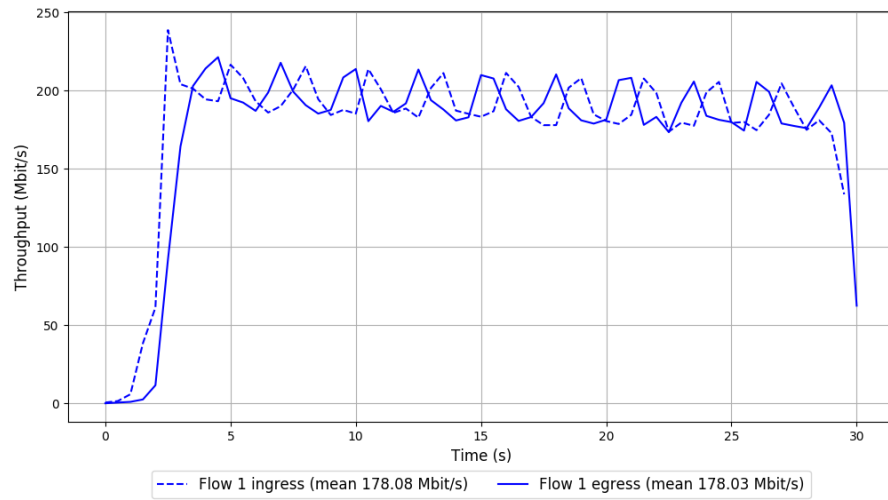
-- Flow 1:

Average throughput: 178.03 Mbit/s

95th percentile per-packet one-way delay: 136.420 ms

Loss rate: 0.94%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-11 11:08:05

End at: 2018-07-11 11:08:35

Local clock offset: -0.279 ms

Remote clock offset: 0.299 ms

Below is generated by plot.py at 2018-07-11 13:49:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 180.15 Mbit/s

95th percentile per-packet one-way delay: 135.493 ms

Loss rate: 0.91%

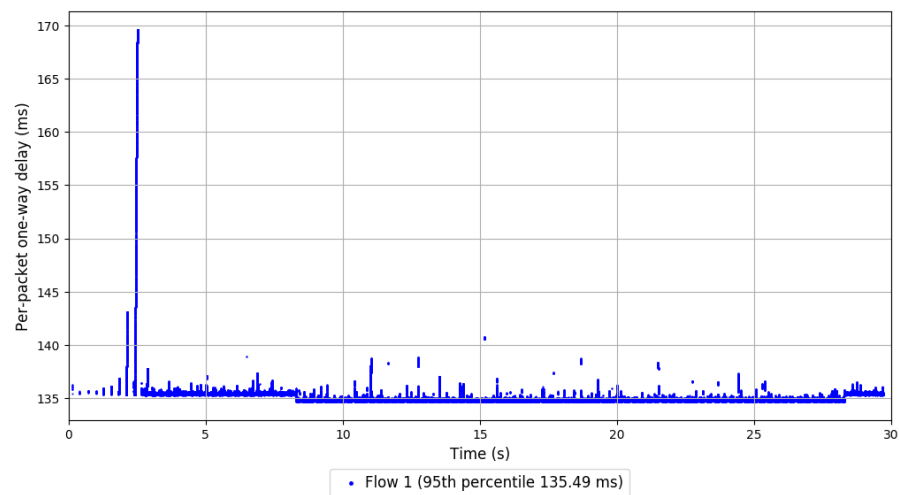
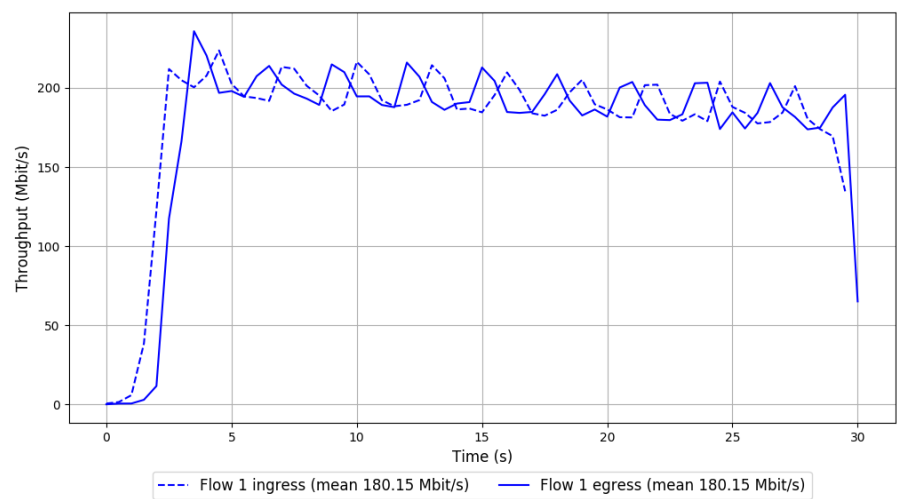
-- Flow 1:

Average throughput: 180.15 Mbit/s

95th percentile per-packet one-way delay: 135.493 ms

Loss rate: 0.91%

Run 6: Report of Indigo — Data Link

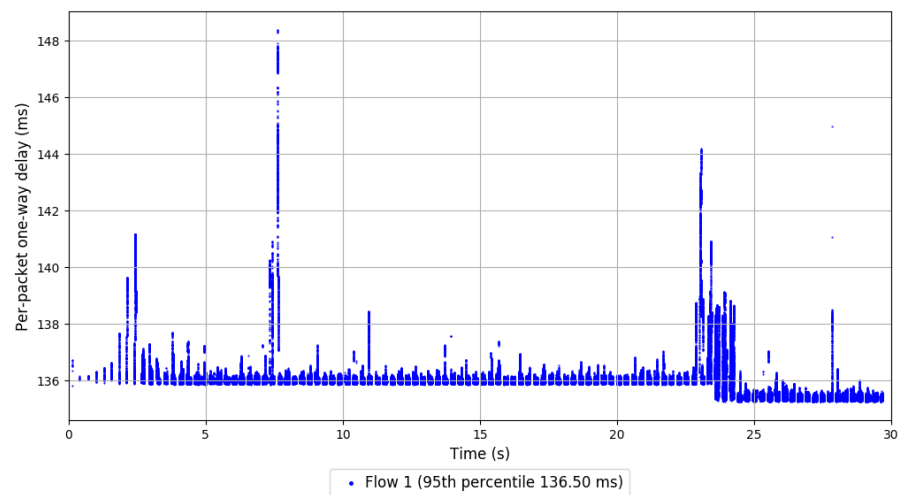
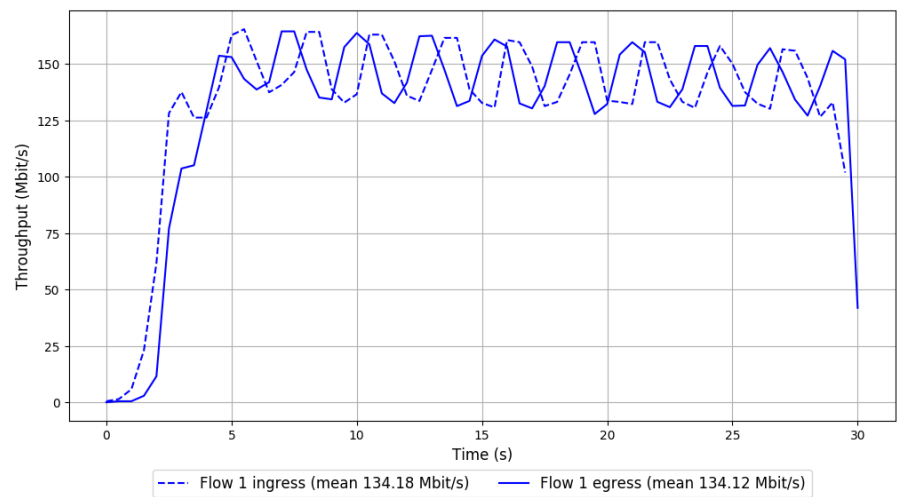


Run 7: Statistics of Indigo

Start at: 2018-07-11 11:30:40
End at: 2018-07-11 11:31:10
Local clock offset: -0.024 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-11 13:49:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 134.12 Mbit/s
95th percentile per-packet one-way delay: 136.496 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 134.12 Mbit/s
95th percentile per-packet one-way delay: 136.496 ms
Loss rate: 0.96%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-11 11:53:46

End at: 2018-07-11 11:54:16

Local clock offset: 0.136 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-11 13:49:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.04 Mbit/s

95th percentile per-packet one-way delay: 136.556 ms

Loss rate: 0.91%

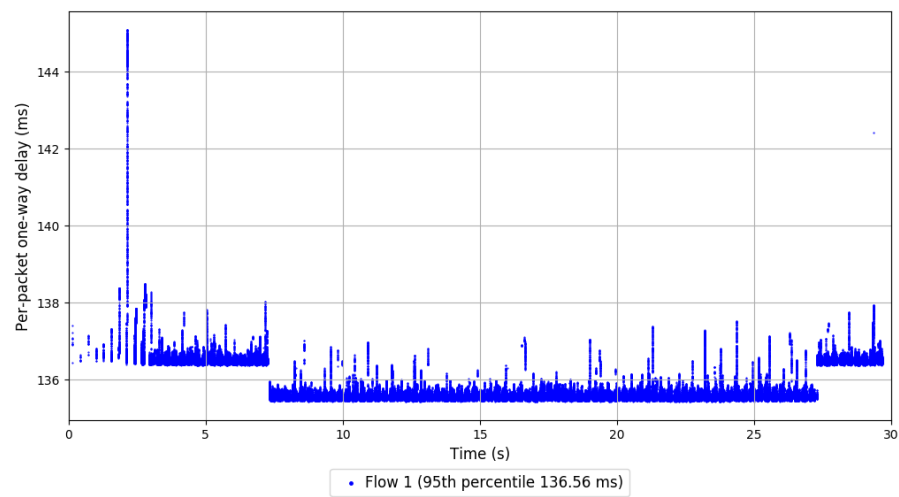
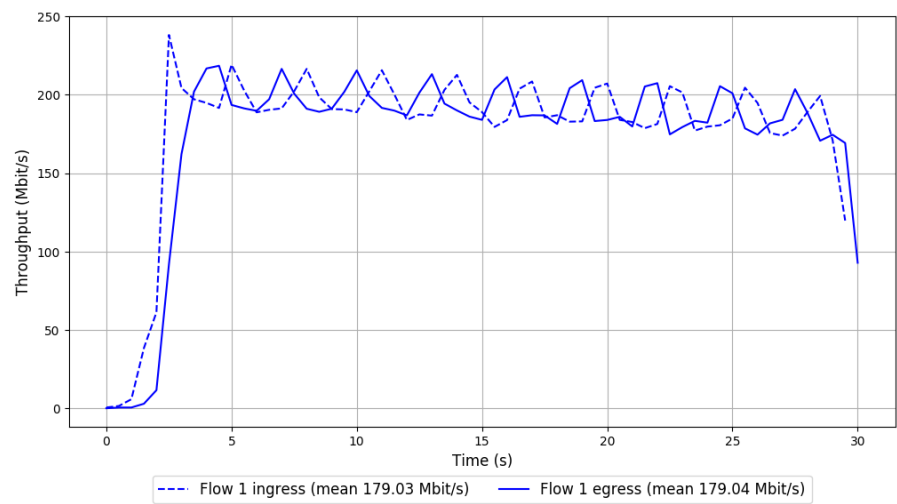
-- Flow 1:

Average throughput: 179.04 Mbit/s

95th percentile per-packet one-way delay: 136.556 ms

Loss rate: 0.91%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-11 12:16:42

End at: 2018-07-11 12:17:12

Local clock offset: 0.154 ms

Remote clock offset: 0.305 ms

Below is generated by plot.py at 2018-07-11 13:49:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.08 Mbit/s

95th percentile per-packet one-way delay: 136.115 ms

Loss rate: 0.99%

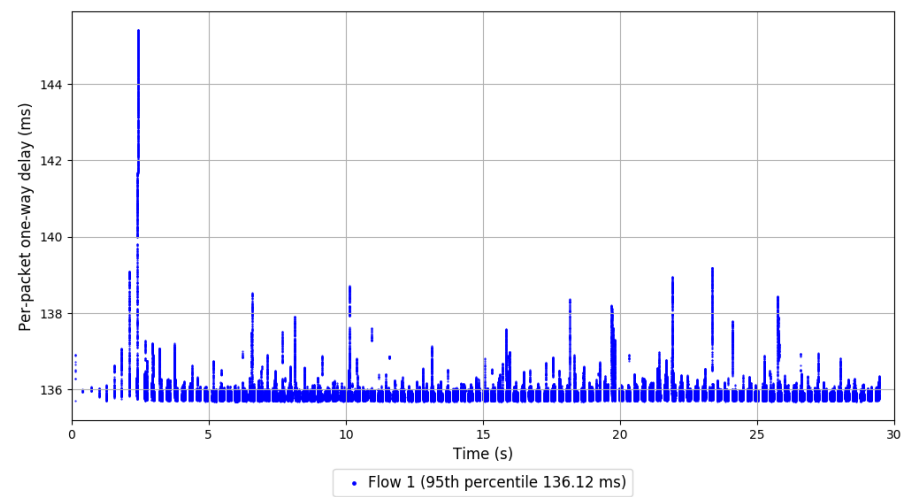
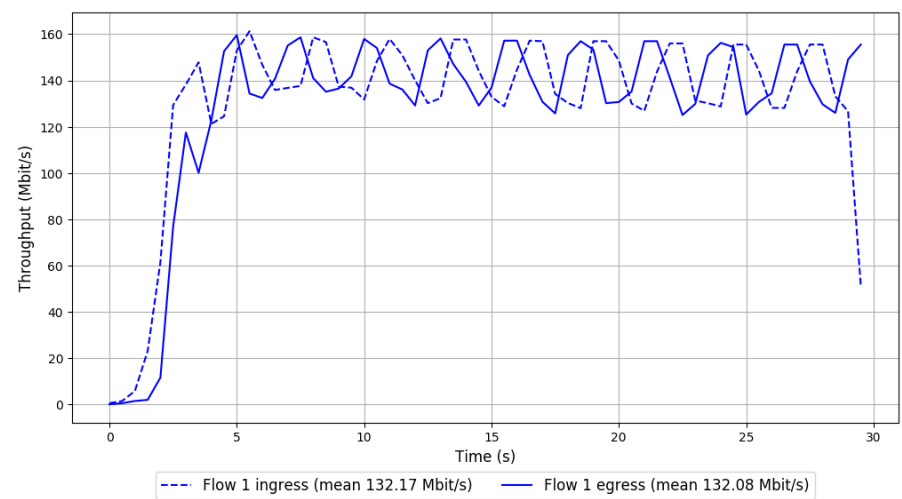
-- Flow 1:

Average throughput: 132.08 Mbit/s

95th percentile per-packet one-way delay: 136.115 ms

Loss rate: 0.99%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-11 12:39:49

End at: 2018-07-11 12:40:19

Local clock offset: 0.229 ms

Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-07-11 13:49:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 174.35 Mbit/s

95th percentile per-packet one-way delay: 136.696 ms

Loss rate: 0.91%

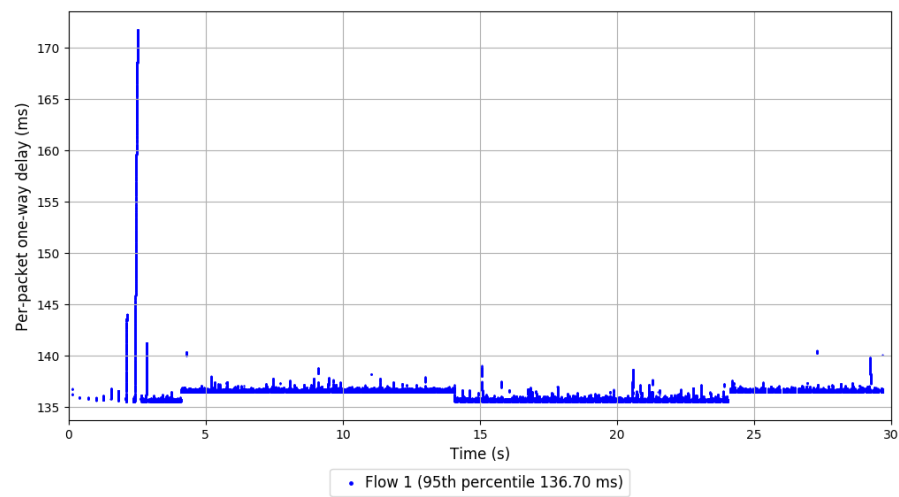
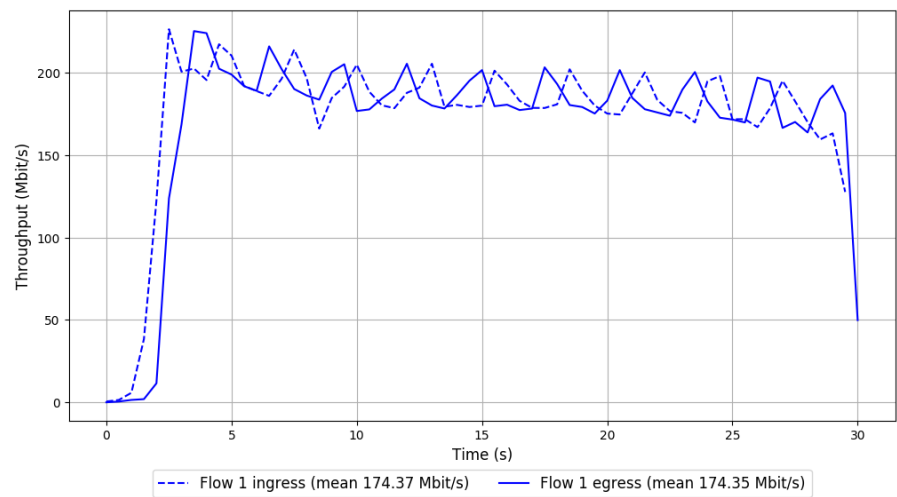
-- Flow 1:

Average throughput: 174.35 Mbit/s

95th percentile per-packet one-way delay: 136.696 ms

Loss rate: 0.91%

Run 10: Report of Indigo — Data Link

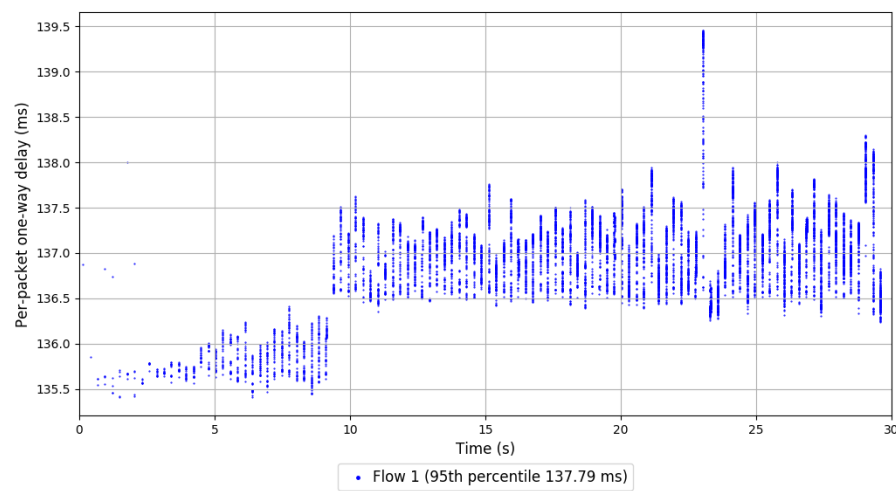
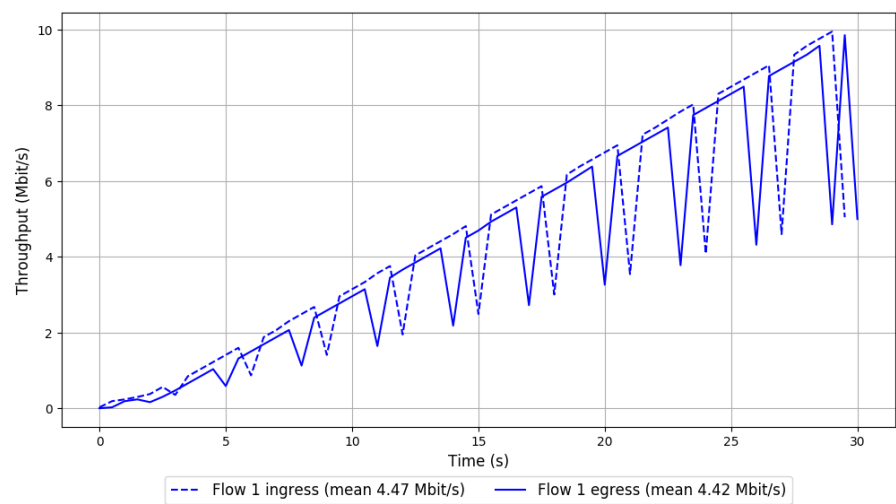


Run 1: Statistics of LEDBAT

Start at: 2018-07-11 09:03:24
End at: 2018-07-11 09:03:54
Local clock offset: 0.004 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-11 13:49:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 137.791 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 137.791 ms
Loss rate: 1.90%

Run 1: Report of LEDBAT — Data Link

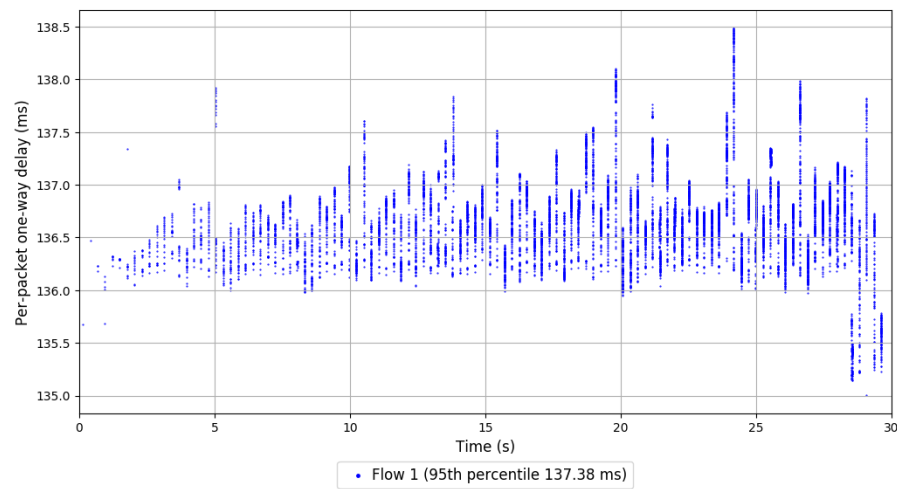
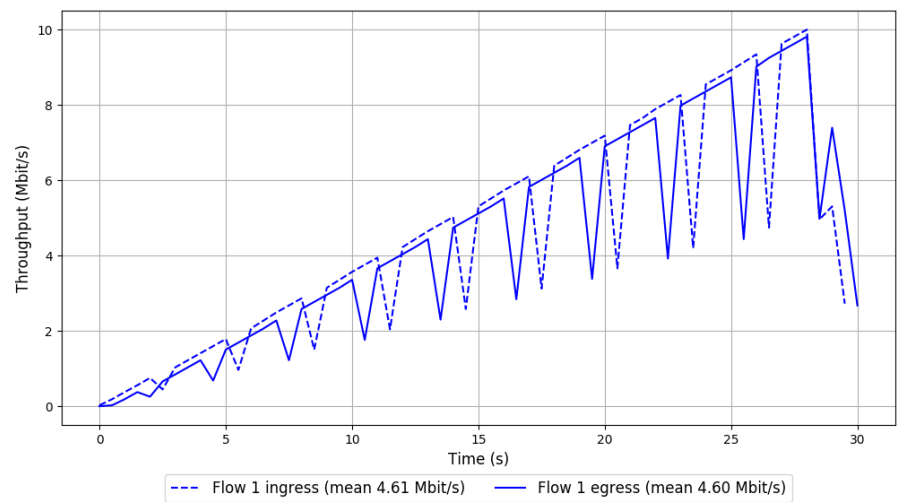


```
Run 2: Statistics of LEDBAT

Start at: 2018-07-11 09:26:25
End at: 2018-07-11 09:26:55
Local clock offset: 0.057 ms
Remote clock offset: 0.365 ms

# Below is generated by plot.py at 2018-07-11 13:49:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.60 Mbit/s
95th percentile per-packet one-way delay: 137.381 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 4.60 Mbit/s
95th percentile per-packet one-way delay: 137.381 ms
Loss rate: 1.00%
```

Run 2: Report of LEDBAT — Data Link

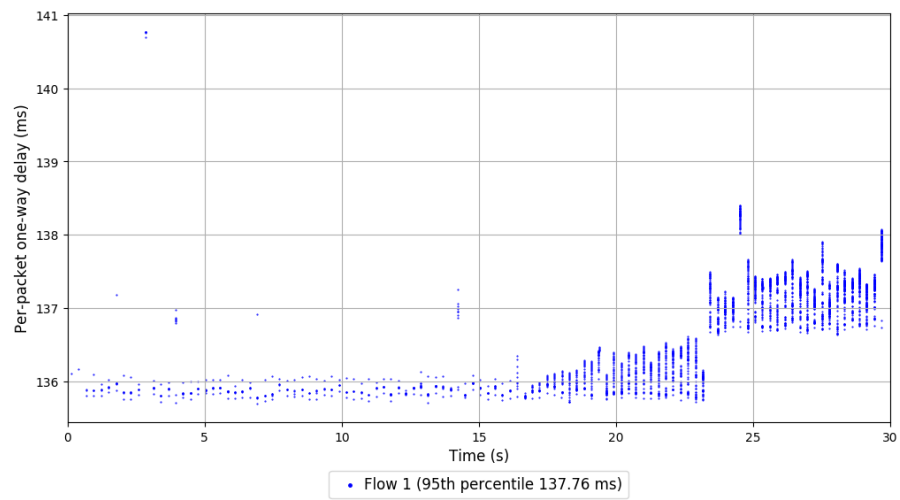
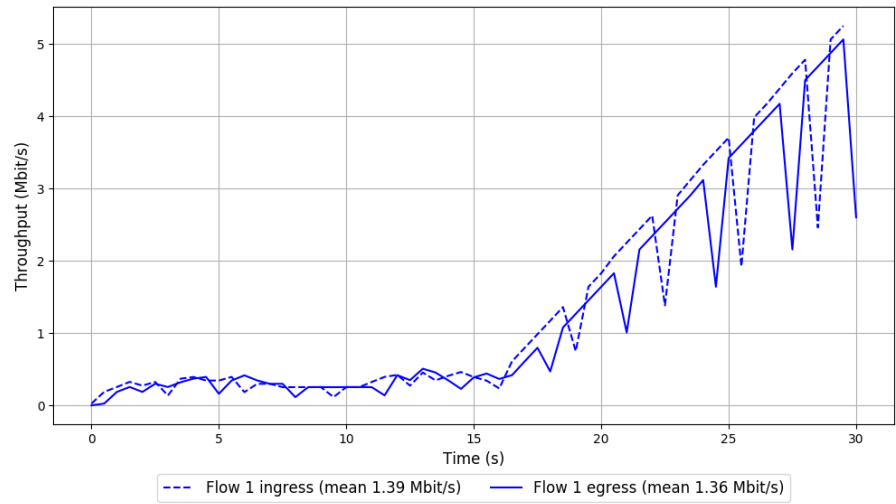


Run 3: Statistics of LEDBAT

Start at: 2018-07-11 09:49:30
End at: 2018-07-11 09:50:00
Local clock offset: 0.192 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-11 13:49:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.36 Mbit/s
95th percentile per-packet one-way delay: 137.761 ms
Loss rate: 3.19%
-- Flow 1:
Average throughput: 1.36 Mbit/s
95th percentile per-packet one-way delay: 137.761 ms
Loss rate: 3.19%

Run 3: Report of LEDBAT — Data Link

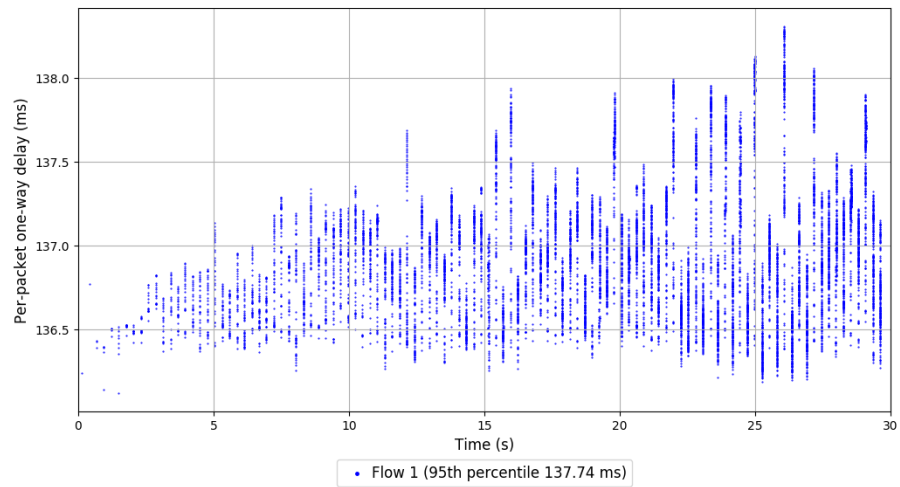
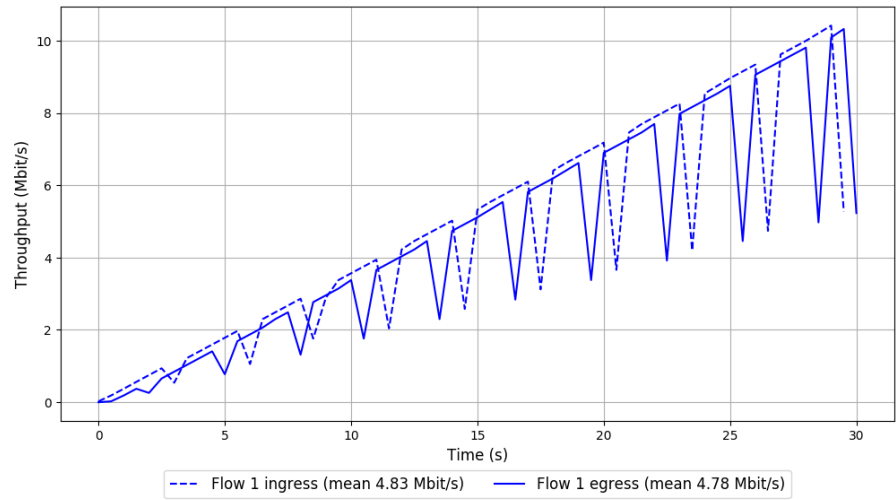


Run 4: Statistics of LEDBAT

Start at: 2018-07-11 10:12:13
End at: 2018-07-11 10:12:43
Local clock offset: 0.069 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-07-11 13:49:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 137.736 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 137.736 ms
Loss rate: 1.84%

Run 4: Report of LEDBAT — Data Link

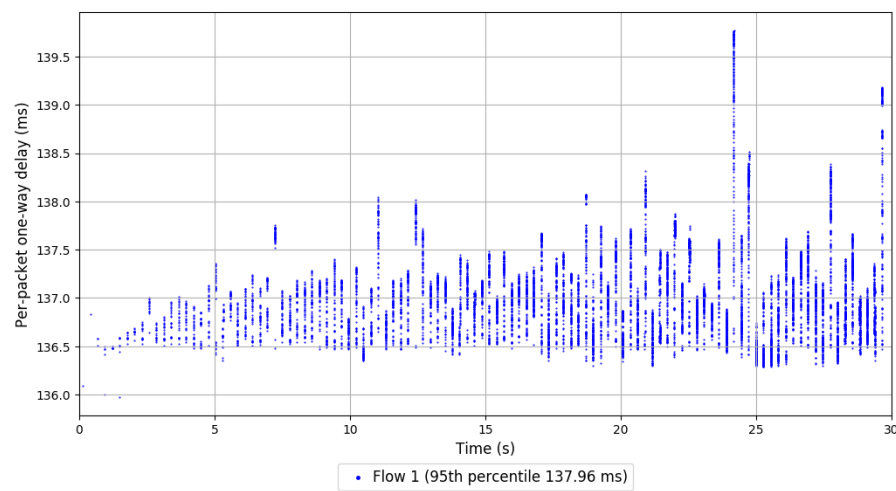
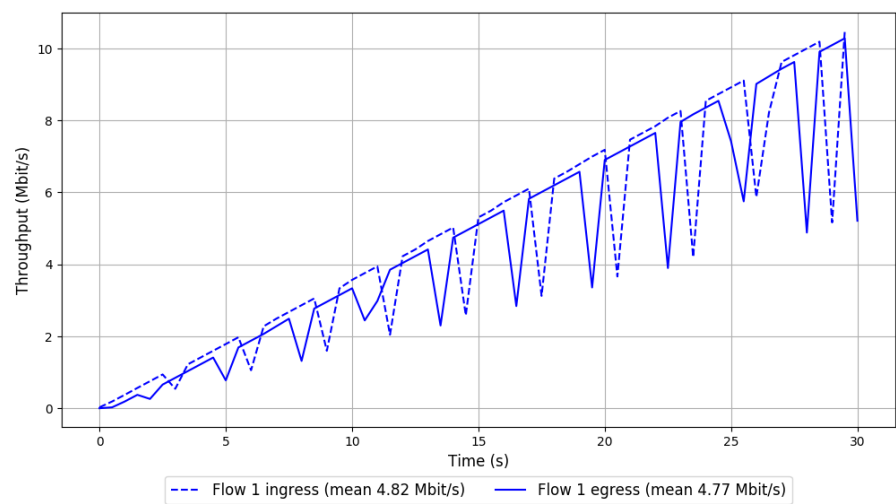


Run 5: Statistics of LEDBAT

Start at: 2018-07-11 10:34:28
End at: 2018-07-11 10:34:58
Local clock offset: 0.02 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-07-11 13:49:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 137.960 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 137.960 ms
Loss rate: 1.83%

Run 5: Report of LEDBAT — Data Link

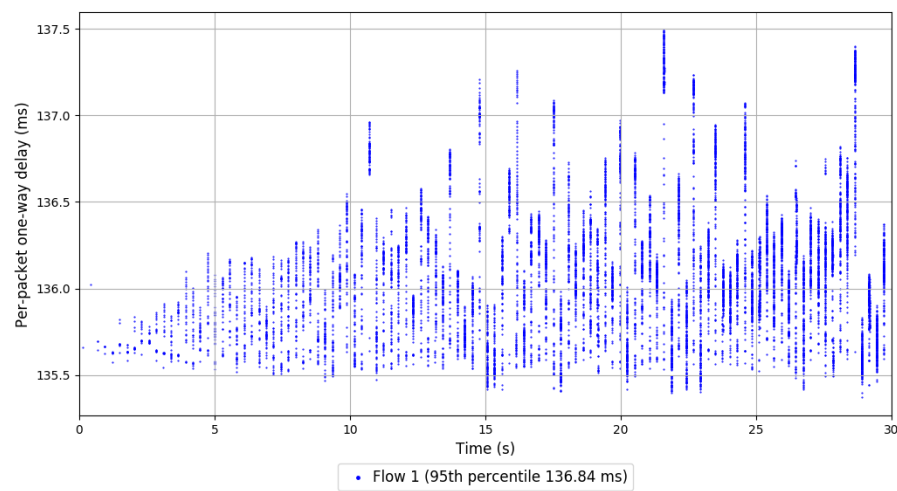
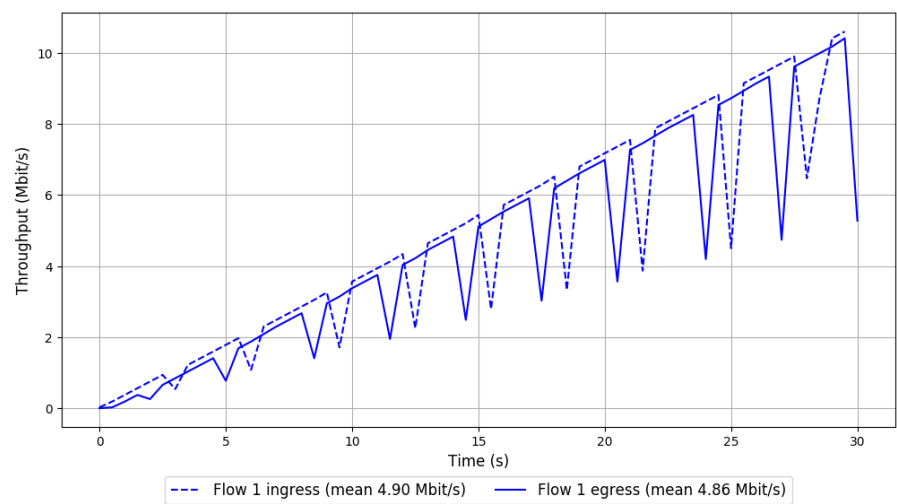


Run 6: Statistics of LEDBAT

Start at: 2018-07-11 10:57:11
End at: 2018-07-11 10:57:41
Local clock offset: 0.059 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-11 13:49:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: 136.843 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: 136.843 ms
Loss rate: 1.82%

Run 6: Report of LEDBAT — Data Link

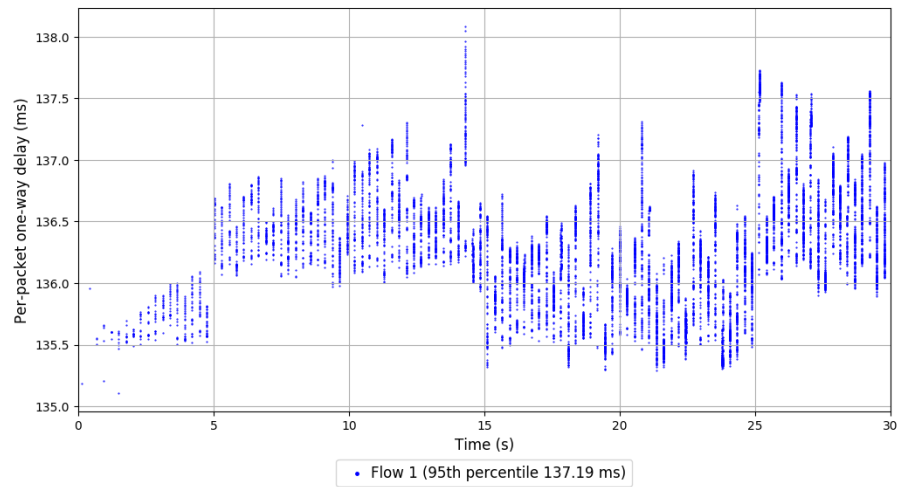
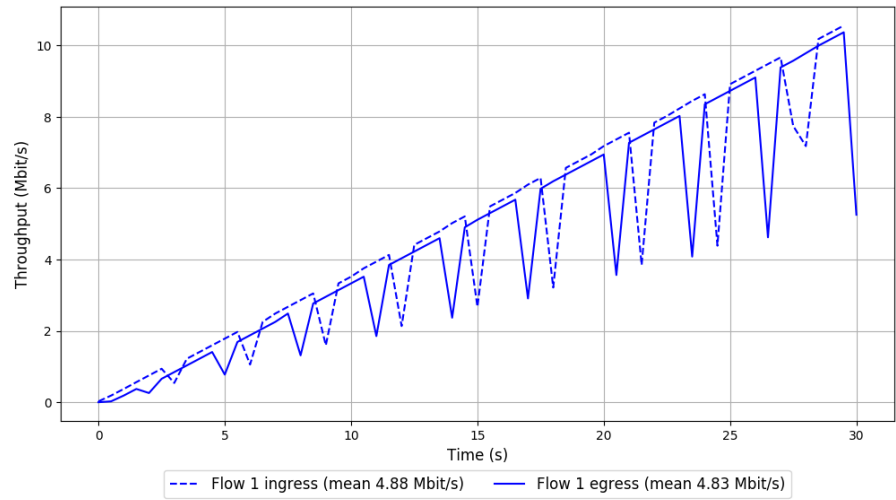


Run 7: Statistics of LEDBAT

Start at: 2018-07-11 11:19:58
End at: 2018-07-11 11:20:29
Local clock offset: -0.012 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-11 13:49:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.83 Mbit/s
95th percentile per-packet one-way delay: 137.185 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 4.83 Mbit/s
95th percentile per-packet one-way delay: 137.185 ms
Loss rate: 1.82%

Run 7: Report of LEDBAT — Data Link

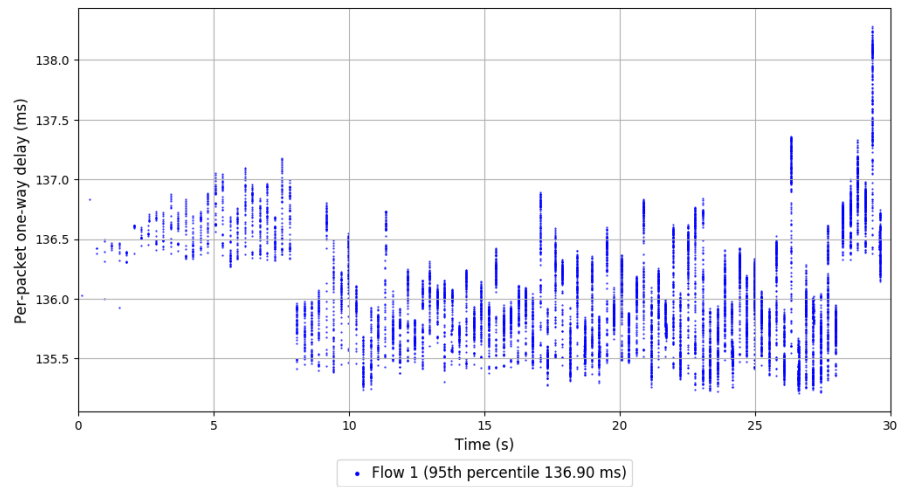
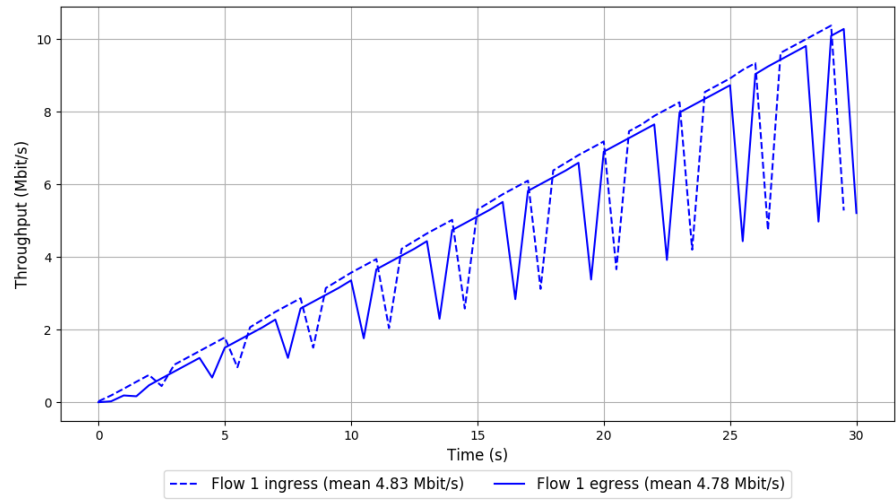


Run 8: Statistics of LEDBAT

Start at: 2018-07-11 11:42:55
End at: 2018-07-11 11:43:26
Local clock offset: -0.09 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-11 13:49:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 136.897 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 136.897 ms
Loss rate: 1.84%

Run 8: Report of LEDBAT — Data Link

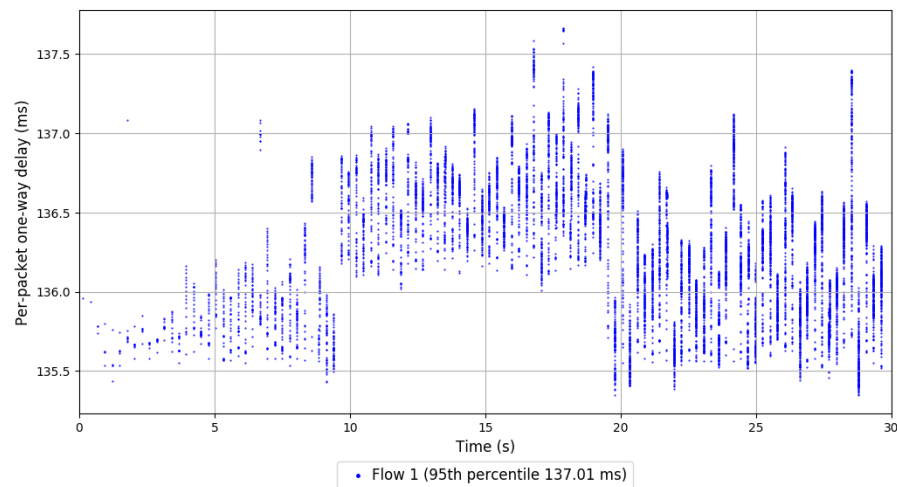
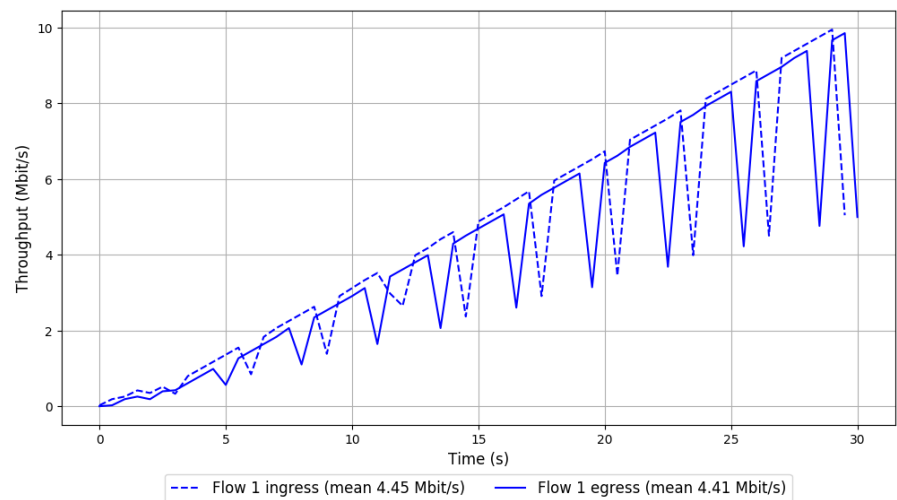


Run 9: Statistics of LEDBAT

Start at: 2018-07-11 12:05:54
End at: 2018-07-11 12:06:24
Local clock offset: -0.014 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-07-11 13:49:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.41 Mbit/s
95th percentile per-packet one-way delay: 137.006 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 4.41 Mbit/s
95th percentile per-packet one-way delay: 137.006 ms
Loss rate: 1.90%

Run 9: Report of LEDBAT — Data Link

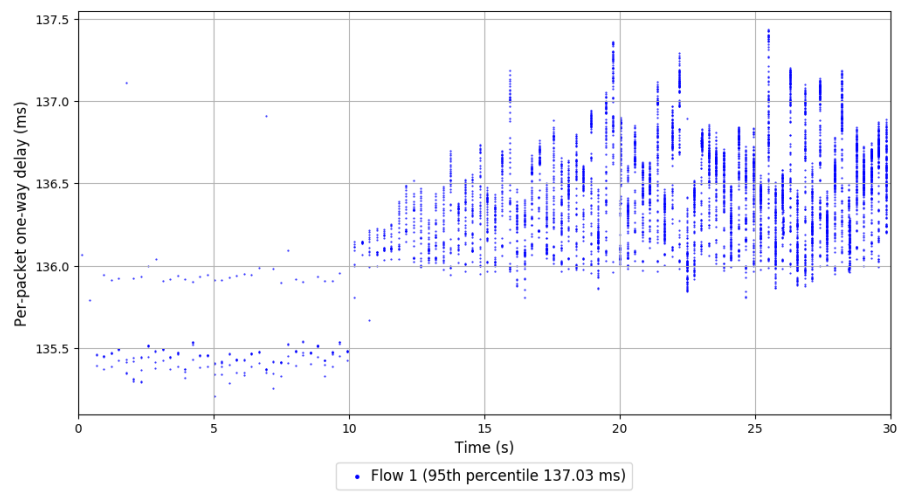
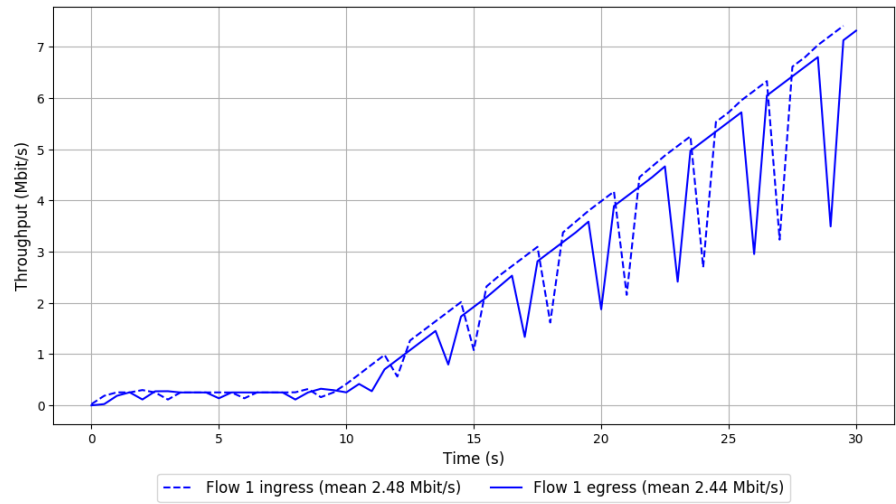


Run 10: Statistics of LEDBAT

Start at: 2018-07-11 12:28:53
End at: 2018-07-11 12:29:23
Local clock offset: -0.166 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-07-11 13:49:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 137.031 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 137.031 ms
Loss rate: 2.51%

Run 10: Report of LEDBAT — Data Link

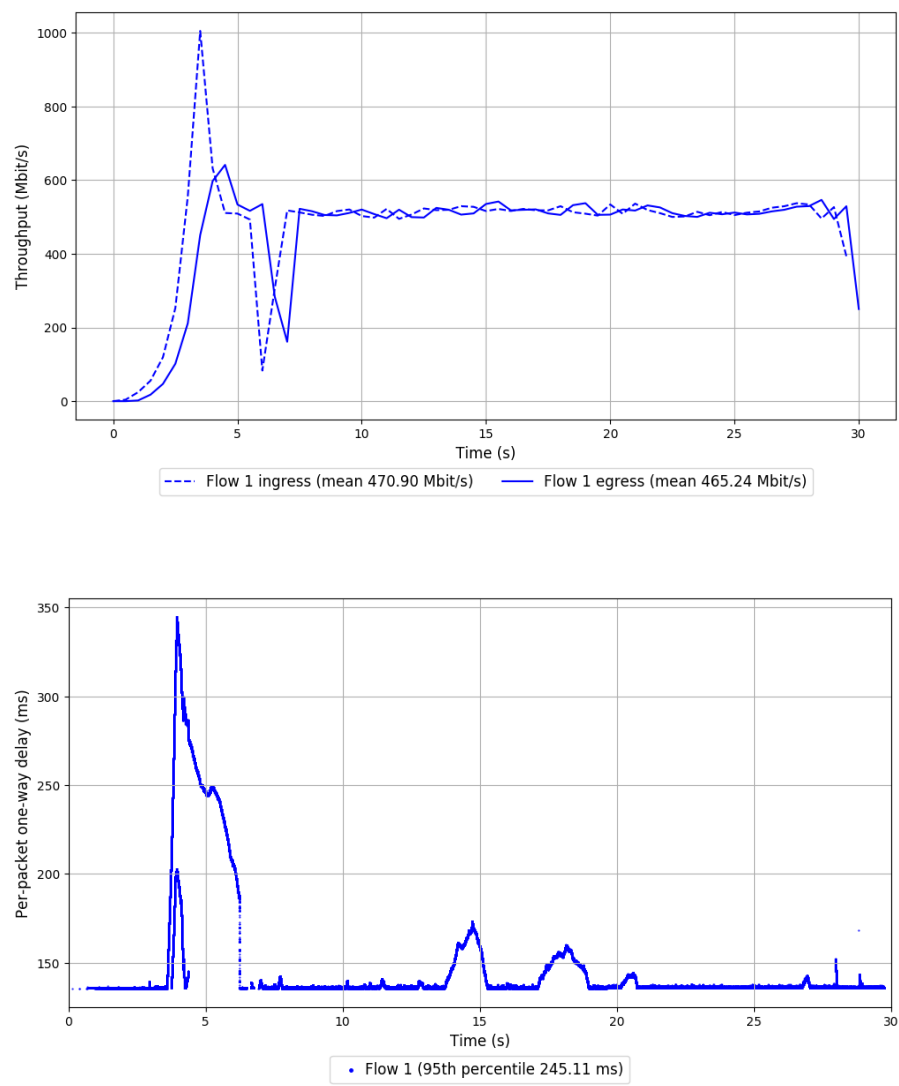


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-11 09:10:24
End at: 2018-07-11 09:10:54
Local clock offset: -0.033 ms
Remote clock offset: 0.289 ms

# Below is generated by plot.py at 2018-07-11 13:49:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 465.24 Mbit/s
95th percentile per-packet one-way delay: 245.110 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 465.24 Mbit/s
95th percentile per-packet one-way delay: 245.110 ms
Loss rate: 2.10%
```

Run 1: Report of PCC-Allegro — Data Link

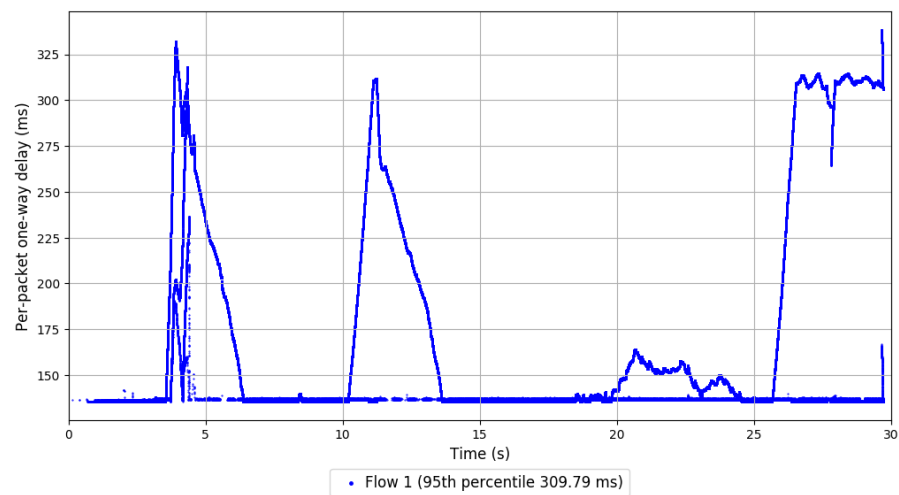
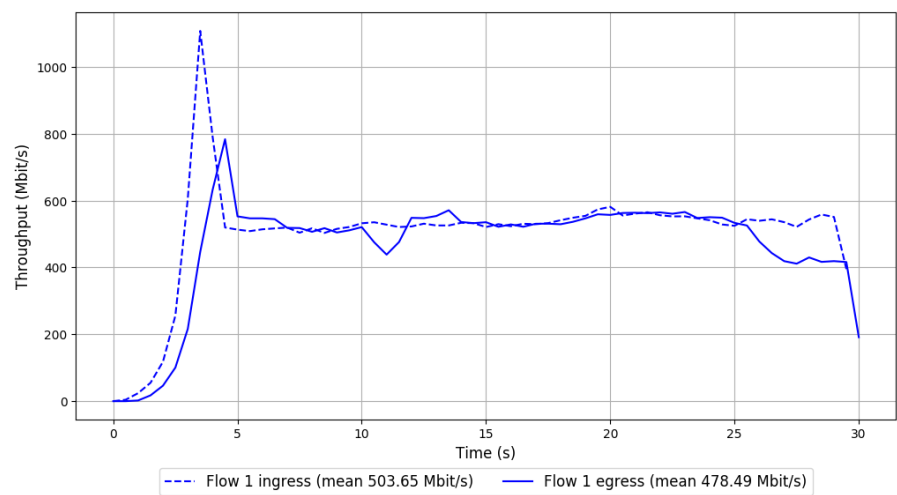


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-11 09:33:27
End at: 2018-07-11 09:33:57
Local clock offset: -0.219 ms
Remote clock offset: -0.411 ms

Below is generated by plot.py at 2018-07-11 13:49:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 478.49 Mbit/s
95th percentile per-packet one-way delay: 309.785 ms
Loss rate: 5.86%
-- Flow 1:
Average throughput: 478.49 Mbit/s
95th percentile per-packet one-way delay: 309.785 ms
Loss rate: 5.86%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-11 09:56:32

End at: 2018-07-11 09:57:02

Local clock offset: 0.218 ms

Remote clock offset: -0.415 ms

Below is generated by plot.py at 2018-07-11 13:50:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 504.04 Mbit/s

95th percentile per-packet one-way delay: 177.078 ms

Loss rate: 2.04%

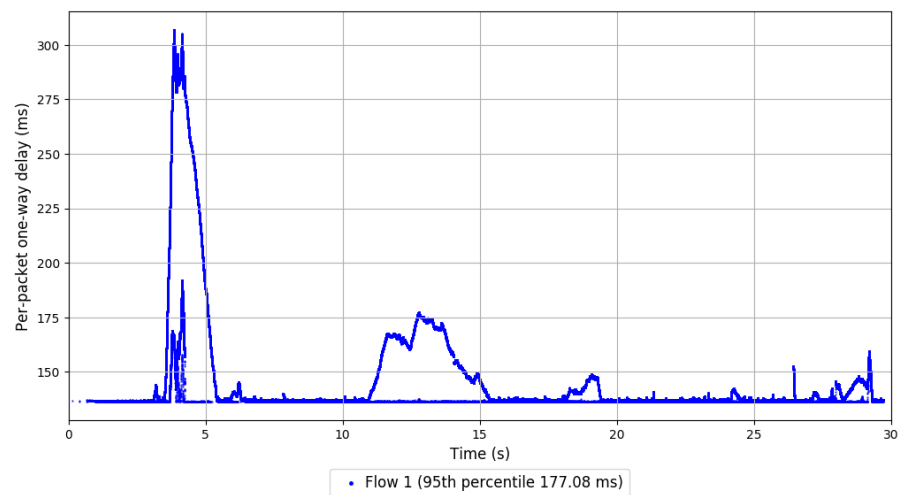
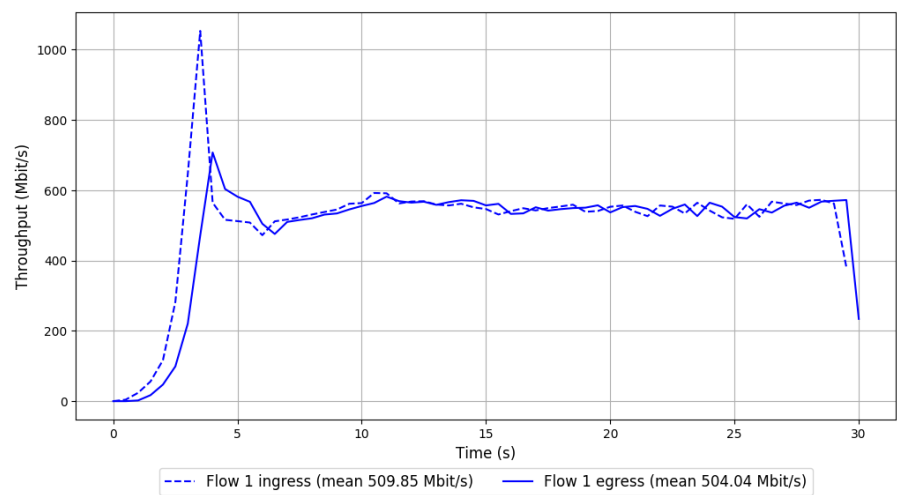
-- Flow 1:

Average throughput: 504.04 Mbit/s

95th percentile per-packet one-way delay: 177.078 ms

Loss rate: 2.04%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-11 10:18:44

End at: 2018-07-11 10:19:14

Local clock offset: 0.145 ms

Remote clock offset: 0.286 ms

Below is generated by plot.py at 2018-07-11 13:50:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 422.34 Mbit/s

95th percentile per-packet one-way delay: 313.517 ms

Loss rate: 10.04%

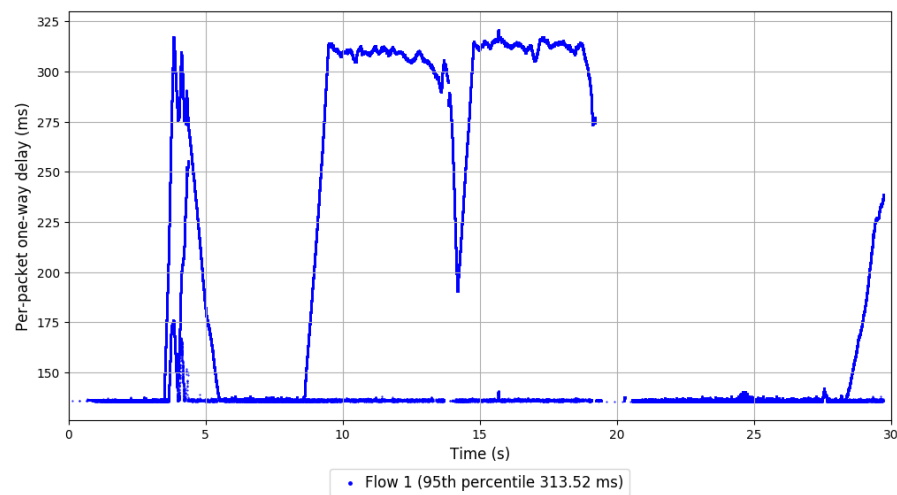
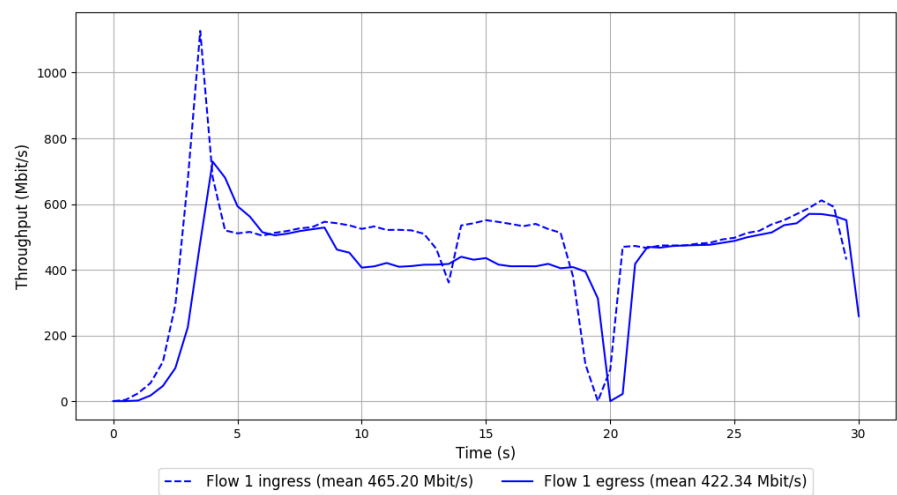
-- Flow 1:

Average throughput: 422.34 Mbit/s

95th percentile per-packet one-way delay: 313.517 ms

Loss rate: 10.04%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-11 10:41:07

End at: 2018-07-11 10:41:37

Local clock offset: 0.004 ms

Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-11 13:51:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 505.98 Mbit/s

95th percentile per-packet one-way delay: 271.376 ms

Loss rate: 3.88%

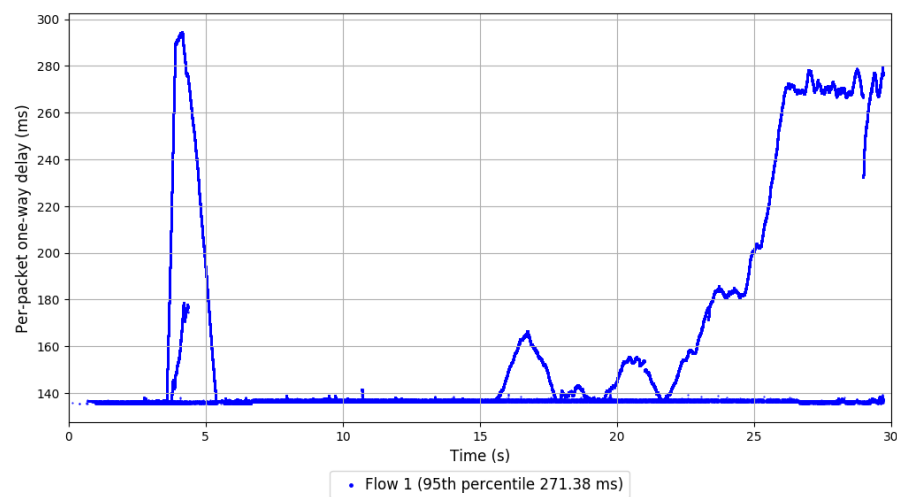
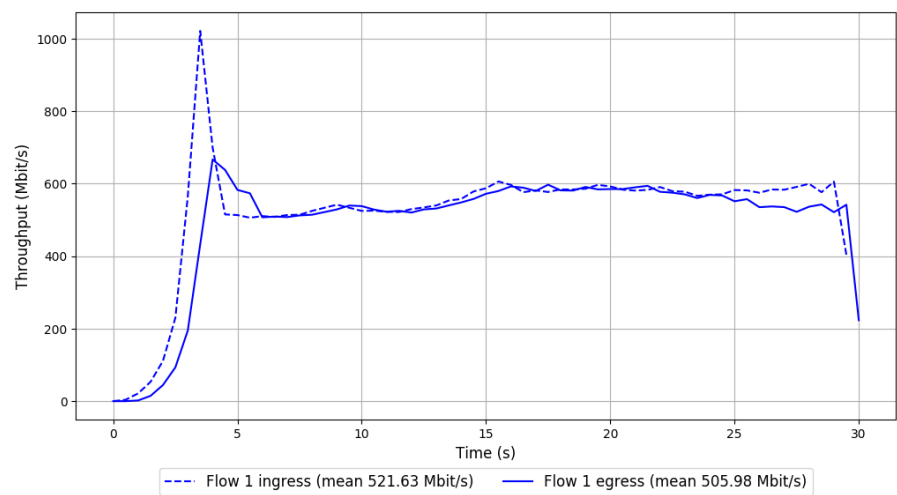
-- Flow 1:

Average throughput: 505.98 Mbit/s

95th percentile per-packet one-way delay: 271.376 ms

Loss rate: 3.88%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-11 11:04:15

End at: 2018-07-11 11:04:45

Local clock offset: 0.135 ms

Remote clock offset: 0.335 ms

Below is generated by plot.py at 2018-07-11 13:56:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 496.44 Mbit/s

95th percentile per-packet one-way delay: 269.097 ms

Loss rate: 3.61%

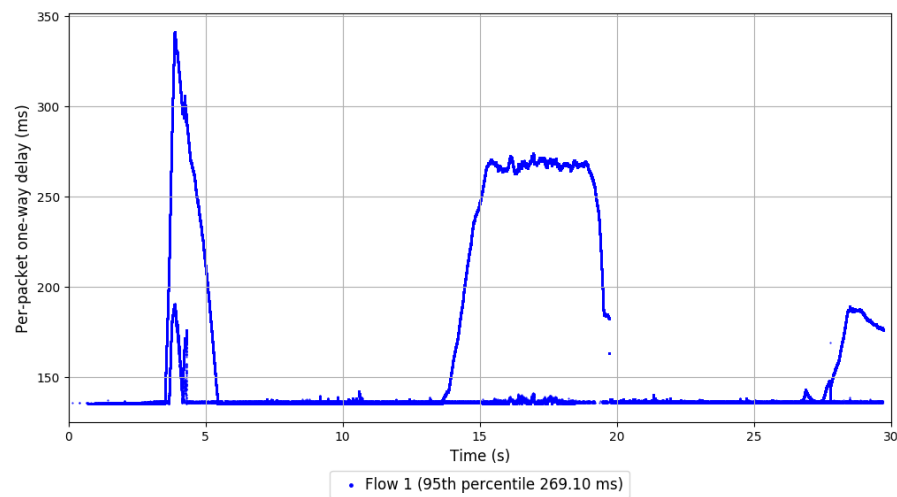
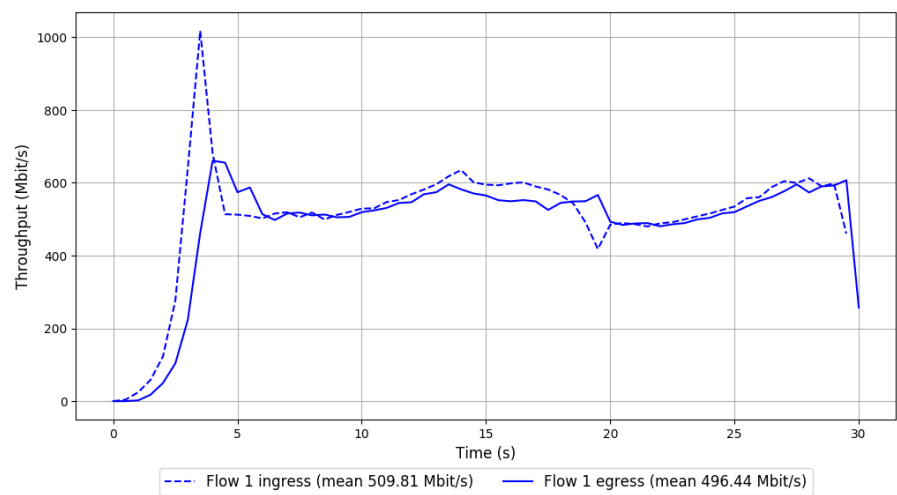
-- Flow 1:

Average throughput: 496.44 Mbit/s

95th percentile per-packet one-way delay: 269.097 ms

Loss rate: 3.61%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-11 11:26:45

End at: 2018-07-11 11:27:15

Local clock offset: 0.282 ms

Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-07-11 13:57:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 498.91 Mbit/s

95th percentile per-packet one-way delay: 275.399 ms

Loss rate: 4.77%

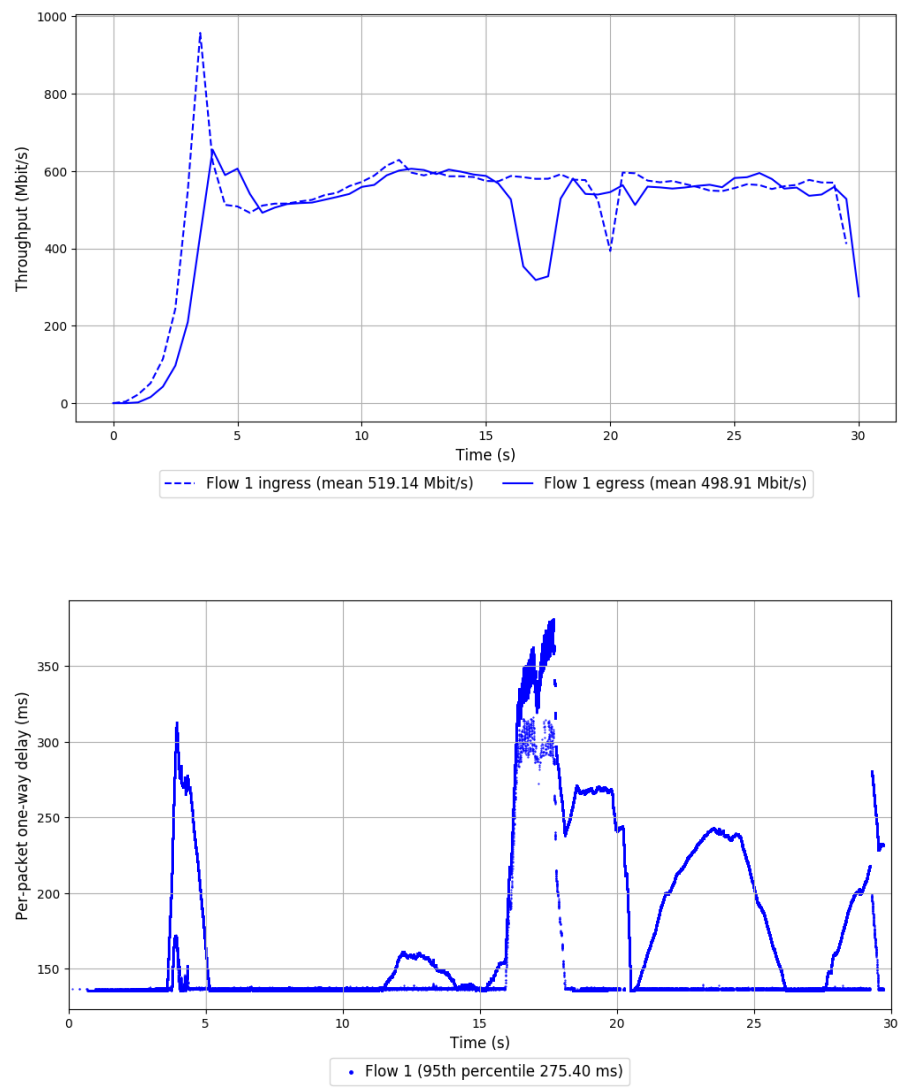
-- Flow 1:

Average throughput: 498.91 Mbit/s

95th percentile per-packet one-way delay: 275.399 ms

Loss rate: 4.77%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-11 11:49:55

End at: 2018-07-11 11:50:25

Local clock offset: -0.115 ms

Remote clock offset: 0.283 ms

Below is generated by plot.py at 2018-07-11 13:57:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 509.72 Mbit/s

95th percentile per-packet one-way delay: 215.364 ms

Loss rate: 2.37%

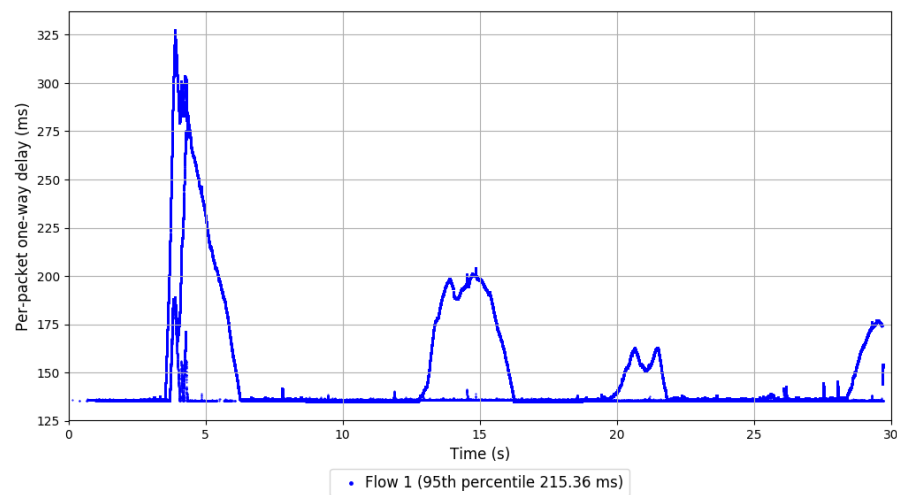
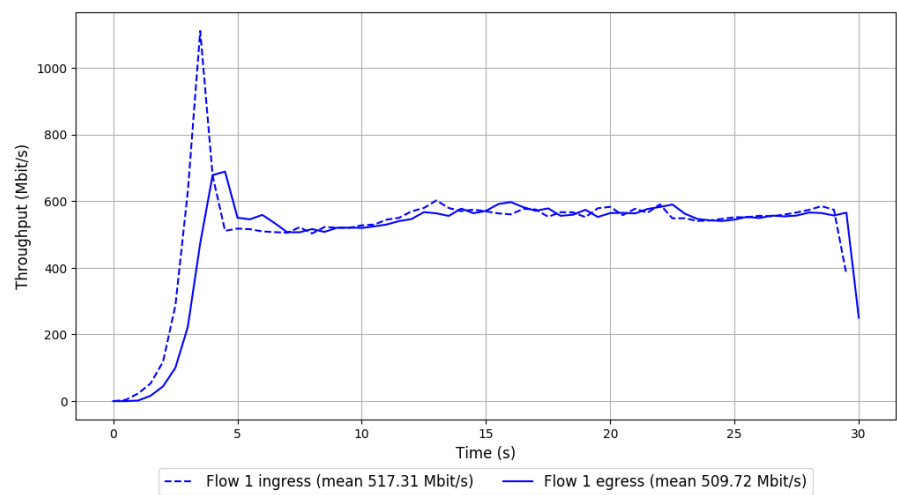
-- Flow 1:

Average throughput: 509.72 Mbit/s

95th percentile per-packet one-way delay: 215.364 ms

Loss rate: 2.37%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-11 12:12:47

End at: 2018-07-11 12:13:17

Local clock offset: -0.043 ms

Remote clock offset: 0.311 ms

Below is generated by plot.py at 2018-07-11 13:57:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 505.27 Mbit/s

95th percentile per-packet one-way delay: 203.441 ms

Loss rate: 2.42%

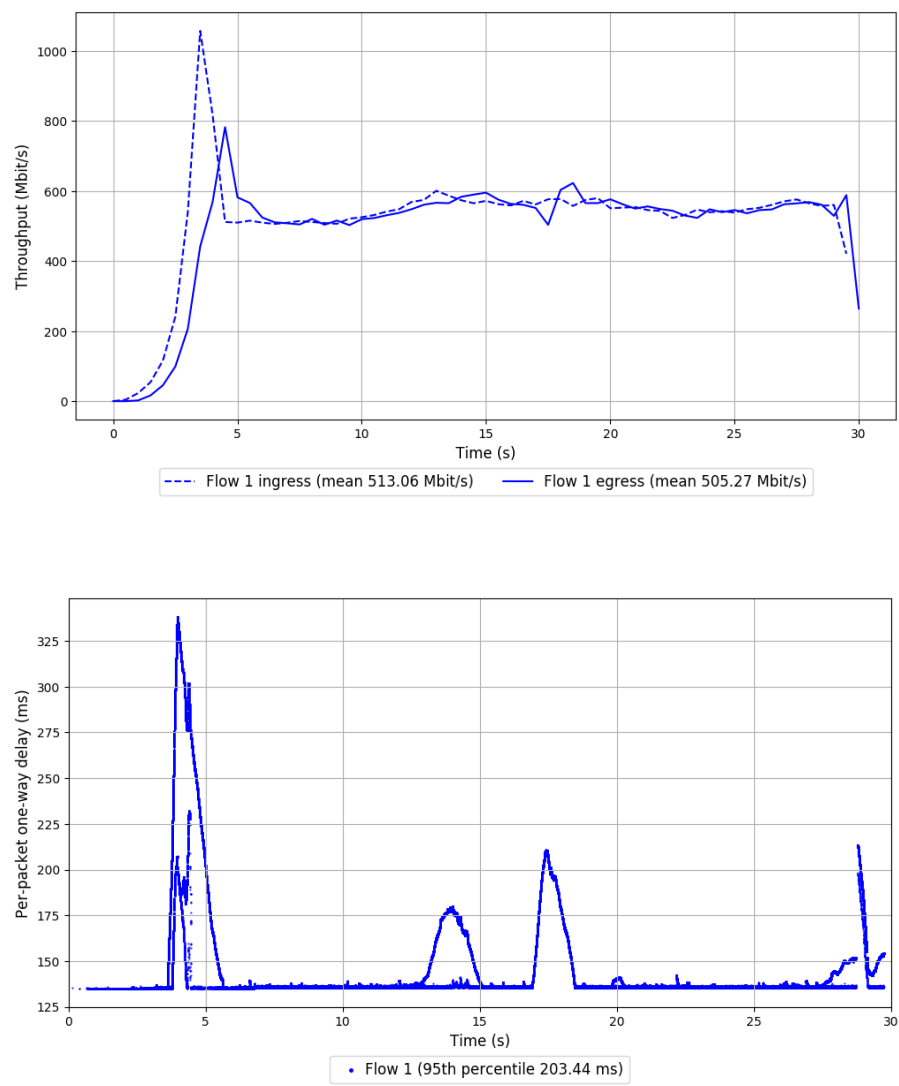
-- Flow 1:

Average throughput: 505.27 Mbit/s

95th percentile per-packet one-way delay: 203.441 ms

Loss rate: 2.42%

Run 9: Report of PCC-Allegro — Data Link

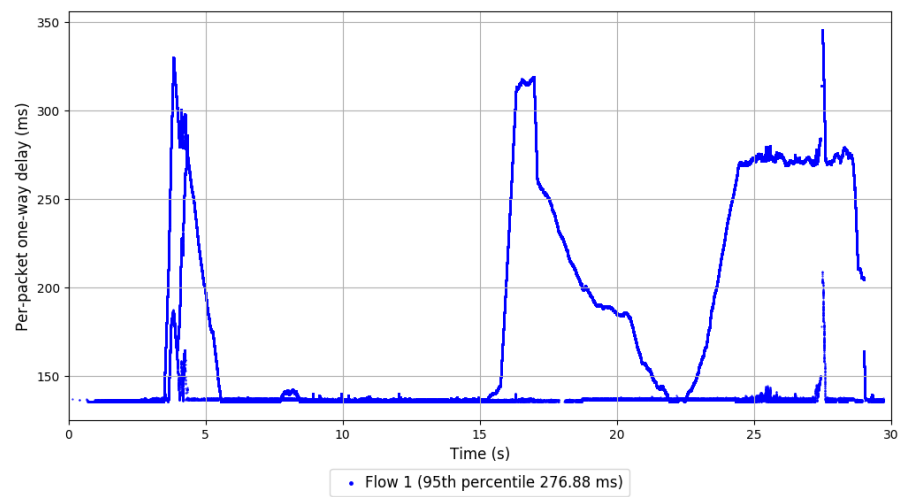
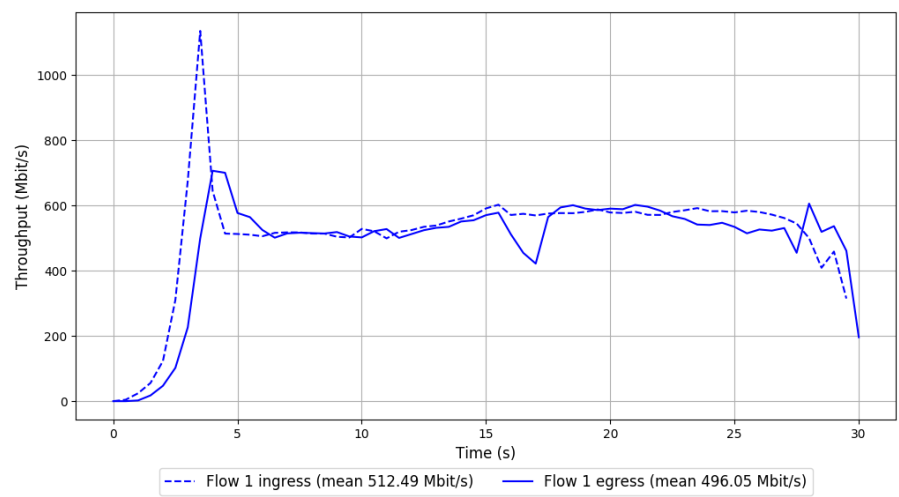


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-11 12:35:55
End at: 2018-07-11 12:36:25
Local clock offset: 0.097 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-11 13:57:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 496.05 Mbit/s
95th percentile per-packet one-way delay: 276.885 ms
Loss rate: 4.09%
-- Flow 1:
Average throughput: 496.05 Mbit/s
95th percentile per-packet one-way delay: 276.885 ms
Loss rate: 4.09%

Run 10: Report of PCC-Allegro — Data Link

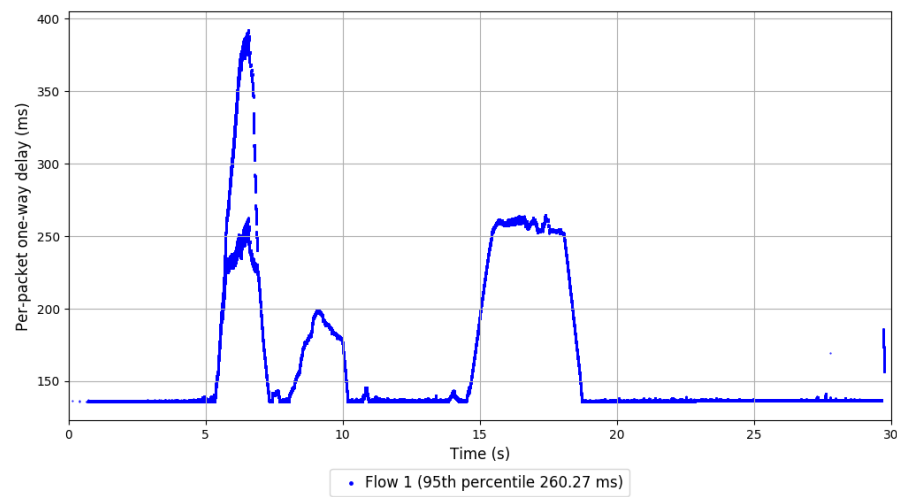
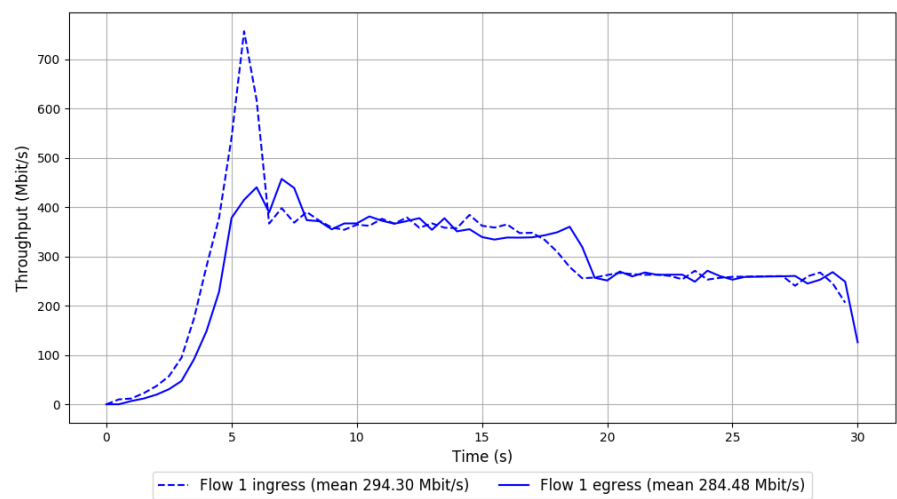


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-11 09:15:30
End at: 2018-07-11 09:16:00
Local clock offset: 0.115 ms
Remote clock offset: 0.019 ms

# Below is generated by plot.py at 2018-07-11 13:59:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 284.48 Mbit/s
95th percentile per-packet one-way delay: 260.271 ms
Loss rate: 4.22%
-- Flow 1:
Average throughput: 284.48 Mbit/s
95th percentile per-packet one-way delay: 260.271 ms
Loss rate: 4.22%
```

Run 1: Report of PCC-Expr — Data Link

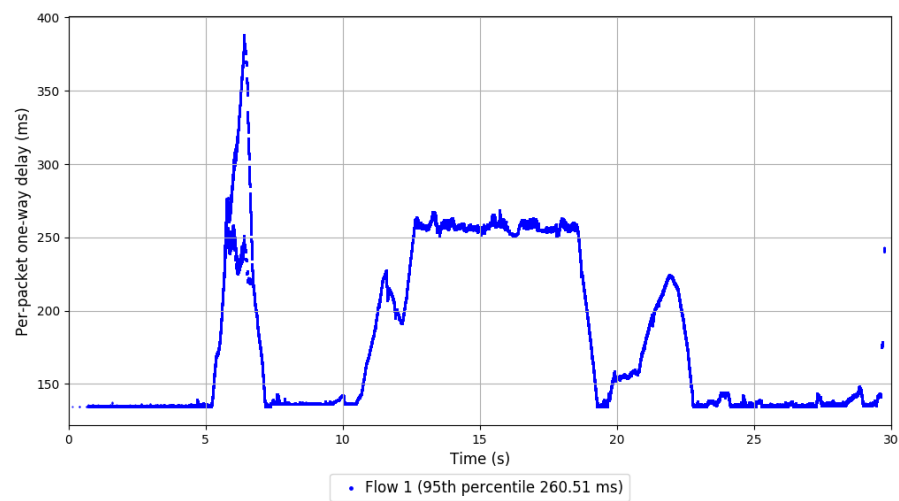
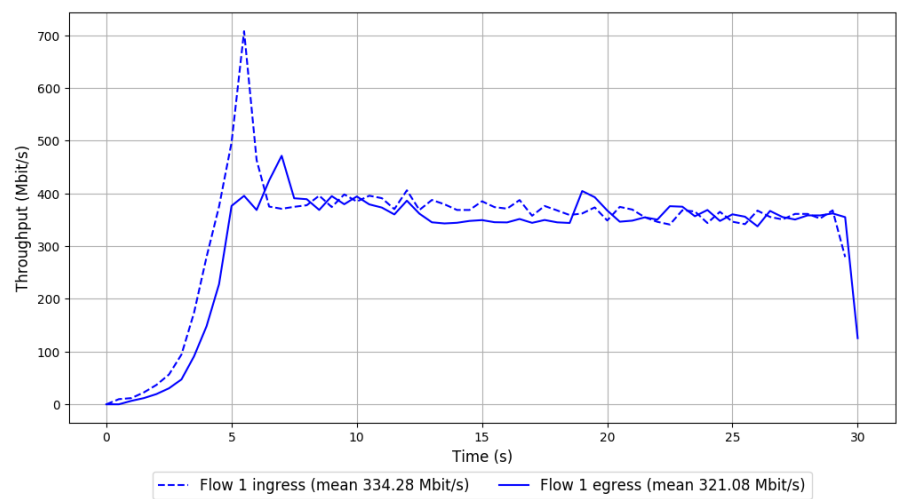


Run 2: Statistics of PCC-Expr

Start at: 2018-07-11 09:38:36
End at: 2018-07-11 09:39:06
Local clock offset: -0.07 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-11 14:00:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 321.08 Mbit/s
95th percentile per-packet one-way delay: 260.507 ms
Loss rate: 4.82%
-- Flow 1:
Average throughput: 321.08 Mbit/s
95th percentile per-packet one-way delay: 260.507 ms
Loss rate: 4.82%

Run 2: Report of PCC-Expr — Data Link

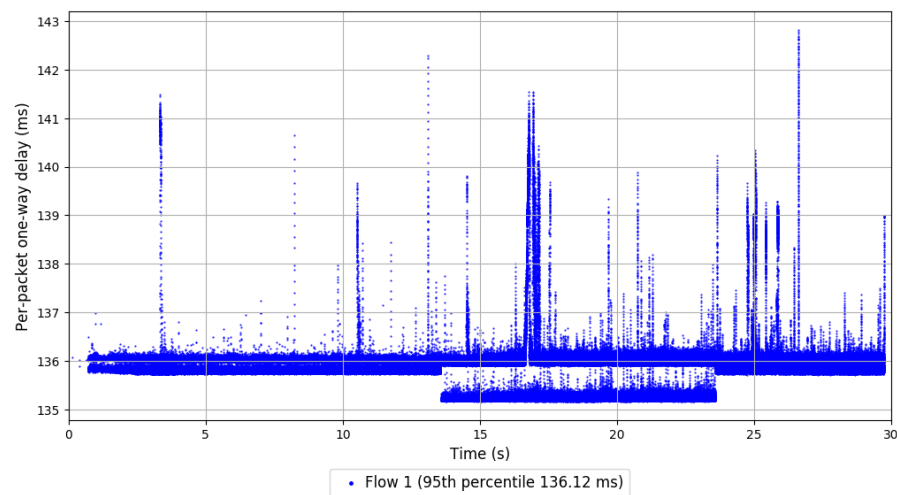
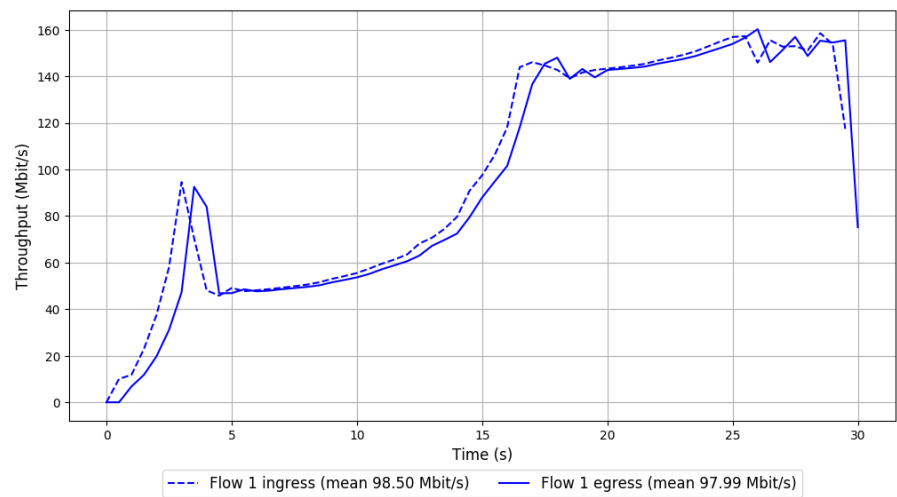


Run 3: Statistics of PCC-Expr

Start at: 2018-07-11 10:01:40
End at: 2018-07-11 10:02:10
Local clock offset: -0.173 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-07-11 14:00:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.99 Mbit/s
95th percentile per-packet one-way delay: 136.115 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 97.99 Mbit/s
95th percentile per-packet one-way delay: 136.115 ms
Loss rate: 1.43%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-11 10:23:54

End at: 2018-07-11 10:24:24

Local clock offset: 0.099 ms

Remote clock offset: 0.332 ms

Below is generated by plot.py at 2018-07-11 14:01:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 184.33 Mbit/s

95th percentile per-packet one-way delay: 136.237 ms

Loss rate: 1.22%

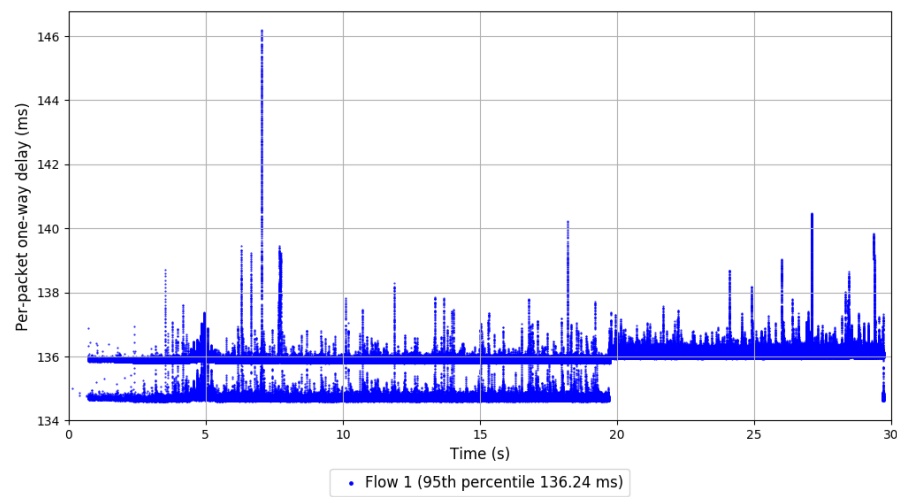
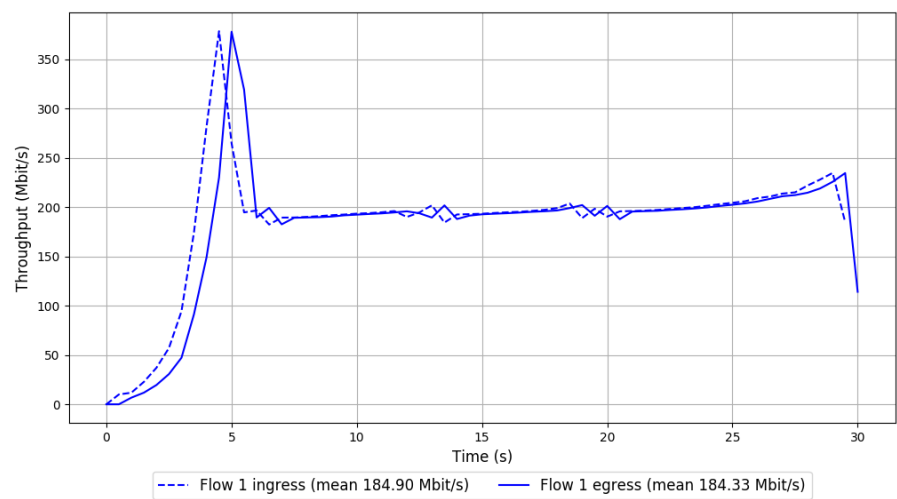
-- Flow 1:

Average throughput: 184.33 Mbit/s

95th percentile per-packet one-way delay: 136.237 ms

Loss rate: 1.22%

Run 4: Report of PCC-Expr — Data Link

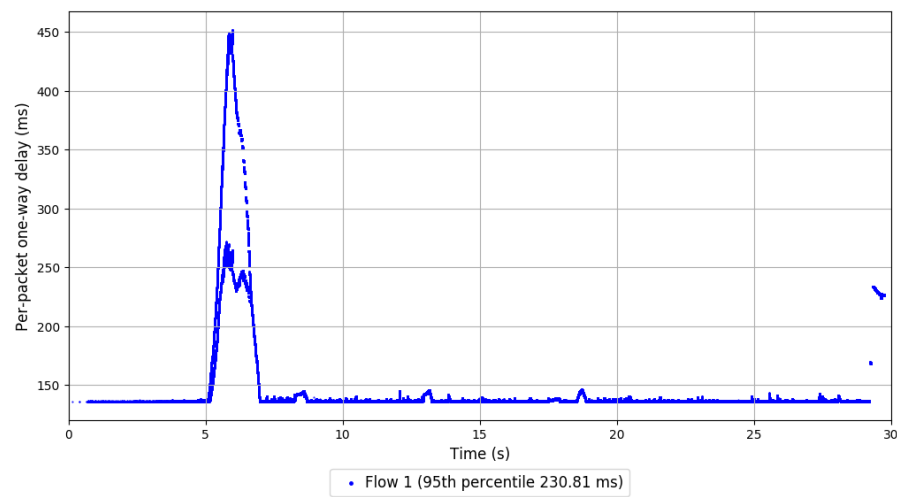
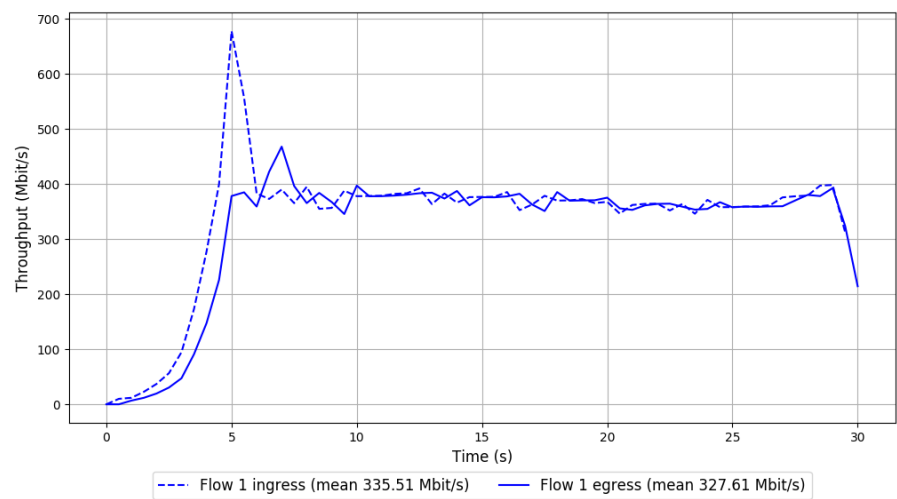


Run 5: Statistics of PCC-Expr

Start at: 2018-07-11 10:46:19
End at: 2018-07-11 10:46:49
Local clock offset: -0.04 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-07-11 14:07:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 327.61 Mbit/s
95th percentile per-packet one-way delay: 230.811 ms
Loss rate: 3.25%
-- Flow 1:
Average throughput: 327.61 Mbit/s
95th percentile per-packet one-way delay: 230.811 ms
Loss rate: 3.25%

Run 5: Report of PCC-Expr — Data Link

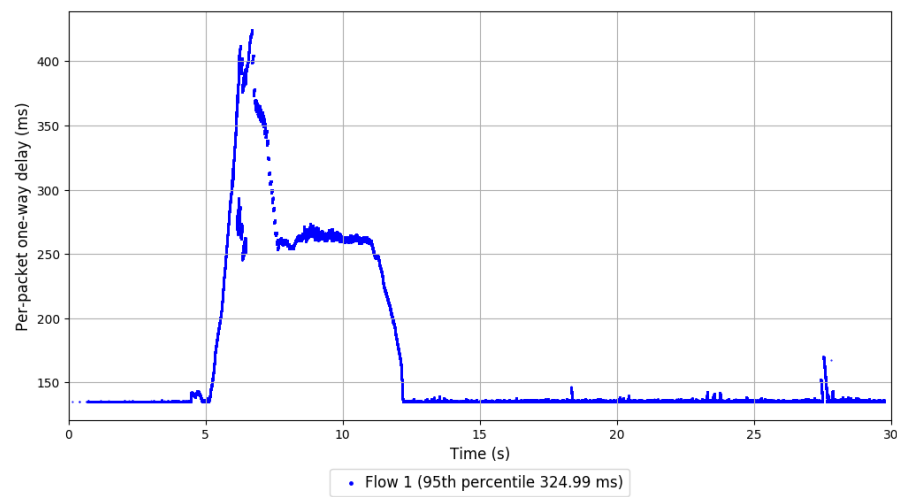
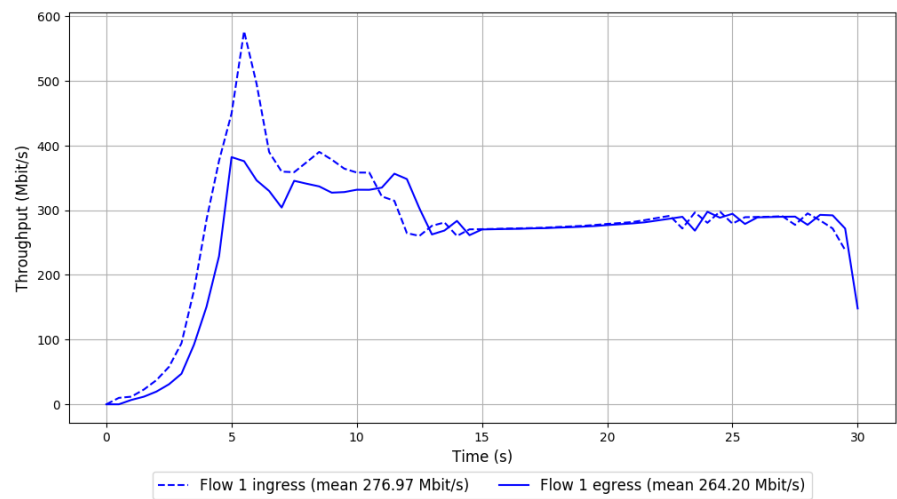


Run 6: Statistics of PCC-Expr

Start at: 2018-07-11 11:09:27
End at: 2018-07-11 11:09:57
Local clock offset: -0.158 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-07-11 14:07:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 264.20 Mbit/s
95th percentile per-packet one-way delay: 324.989 ms
Loss rate: 5.48%
-- Flow 1:
Average throughput: 264.20 Mbit/s
95th percentile per-packet one-way delay: 324.989 ms
Loss rate: 5.48%

Run 6: Report of PCC-Expr — Data Link

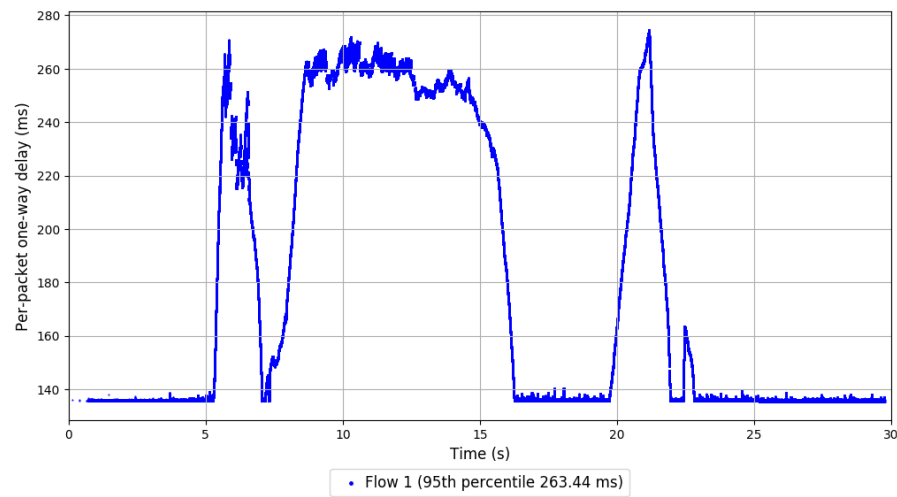
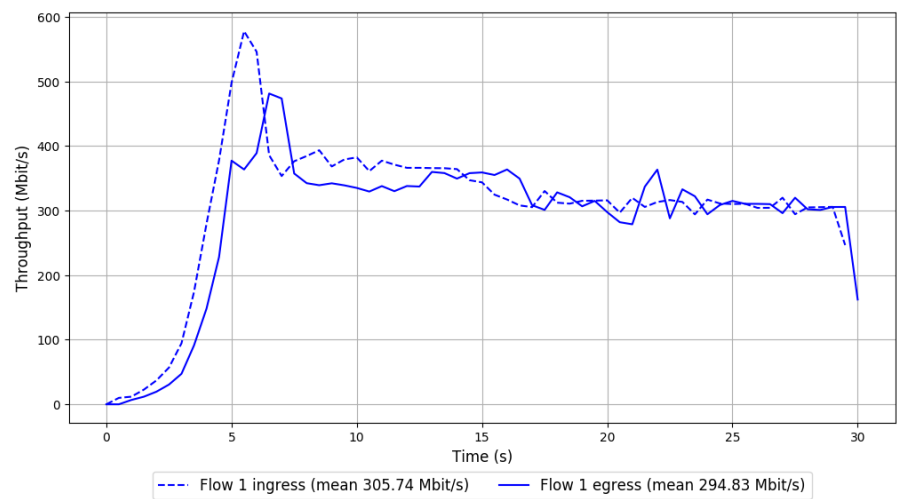


Run 7: Statistics of PCC-Expr

Start at: 2018-07-11 11:31:58
End at: 2018-07-11 11:32:28
Local clock offset: -0.03 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-07-11 14:07:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 294.83 Mbit/s
95th percentile per-packet one-way delay: 263.443 ms
Loss rate: 4.45%
-- Flow 1:
Average throughput: 294.83 Mbit/s
95th percentile per-packet one-way delay: 263.443 ms
Loss rate: 4.45%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-11 11:55:08

End at: 2018-07-11 11:55:38

Local clock offset: -0.045 ms

Remote clock offset: 0.276 ms

Below is generated by plot.py at 2018-07-11 14:07:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.61 Mbit/s

95th percentile per-packet one-way delay: 154.958 ms

Loss rate: 1.49%

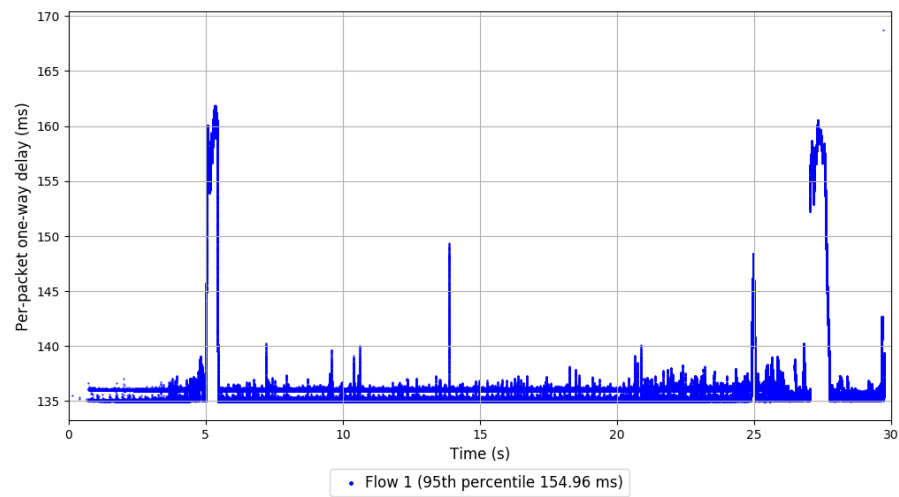
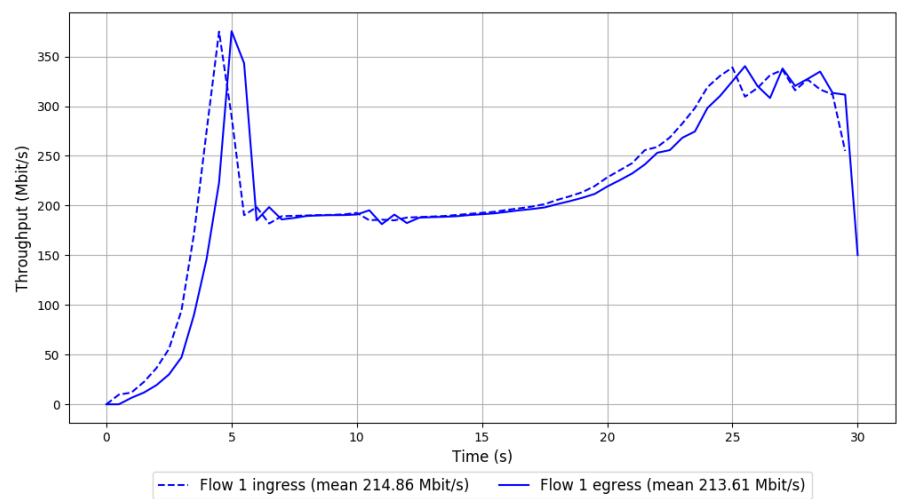
-- Flow 1:

Average throughput: 213.61 Mbit/s

95th percentile per-packet one-way delay: 154.958 ms

Loss rate: 1.49%

Run 8: Report of PCC-Expr — Data Link

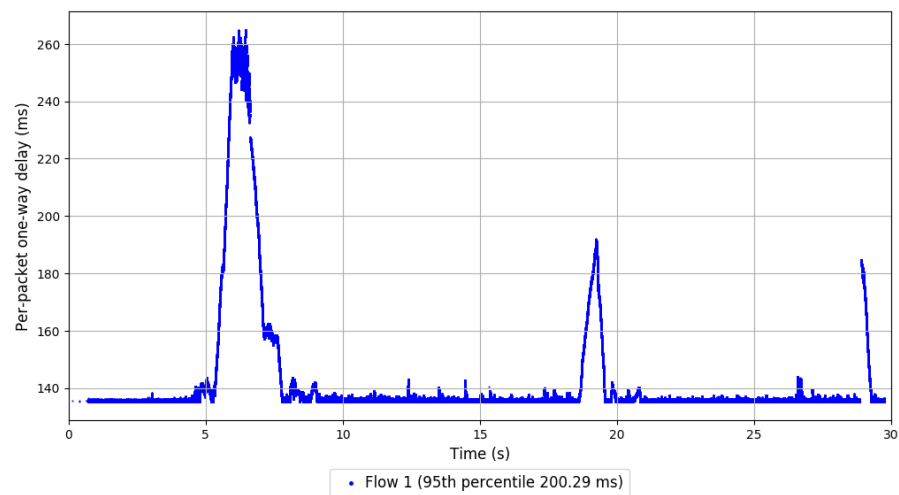
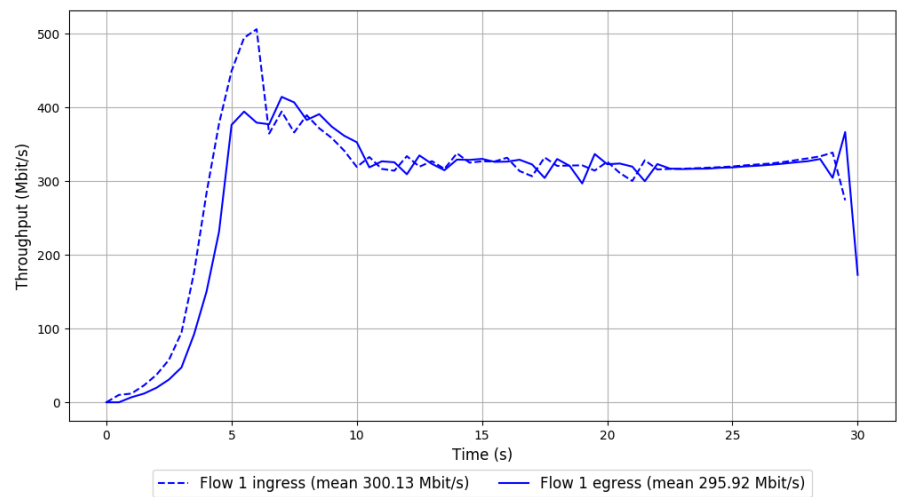


Run 9: Statistics of PCC-Expr

Start at: 2018-07-11 12:18:00
End at: 2018-07-11 12:18:30
Local clock offset: -0.117 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2018-07-11 14:07:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 295.92 Mbit/s
95th percentile per-packet one-way delay: 200.289 ms
Loss rate: 2.30%
-- Flow 1:
Average throughput: 295.92 Mbit/s
95th percentile per-packet one-way delay: 200.289 ms
Loss rate: 2.30%

Run 9: Report of PCC-Expr — Data Link

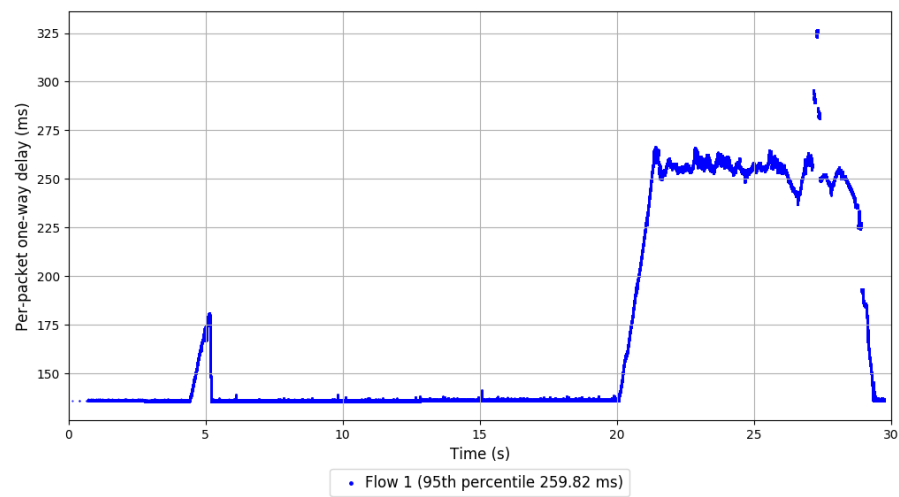
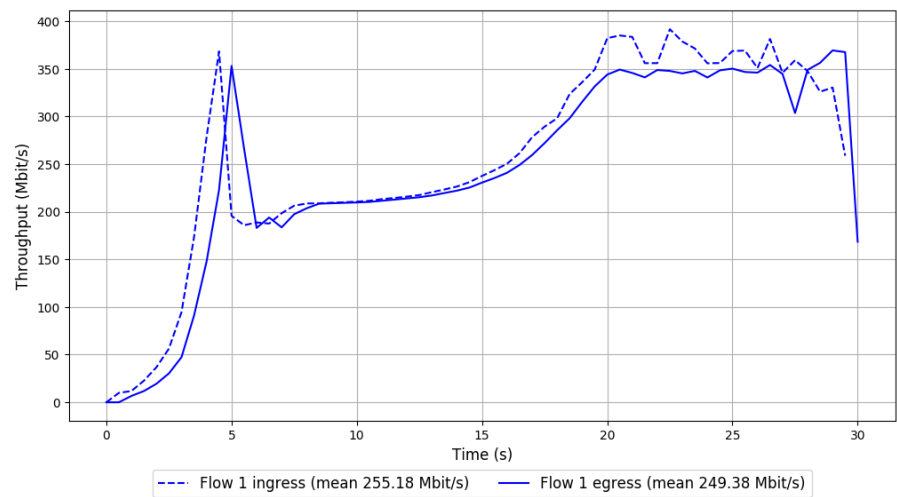


Run 10: Statistics of PCC-Expr

Start at: 2018-07-11 12:41:11
End at: 2018-07-11 12:41:41
Local clock offset: -0.013 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-07-11 14:07:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 249.38 Mbit/s
95th percentile per-packet one-way delay: 259.825 ms
Loss rate: 3.16%
-- Flow 1:
Average throughput: 249.38 Mbit/s
95th percentile per-packet one-way delay: 259.825 ms
Loss rate: 3.16%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

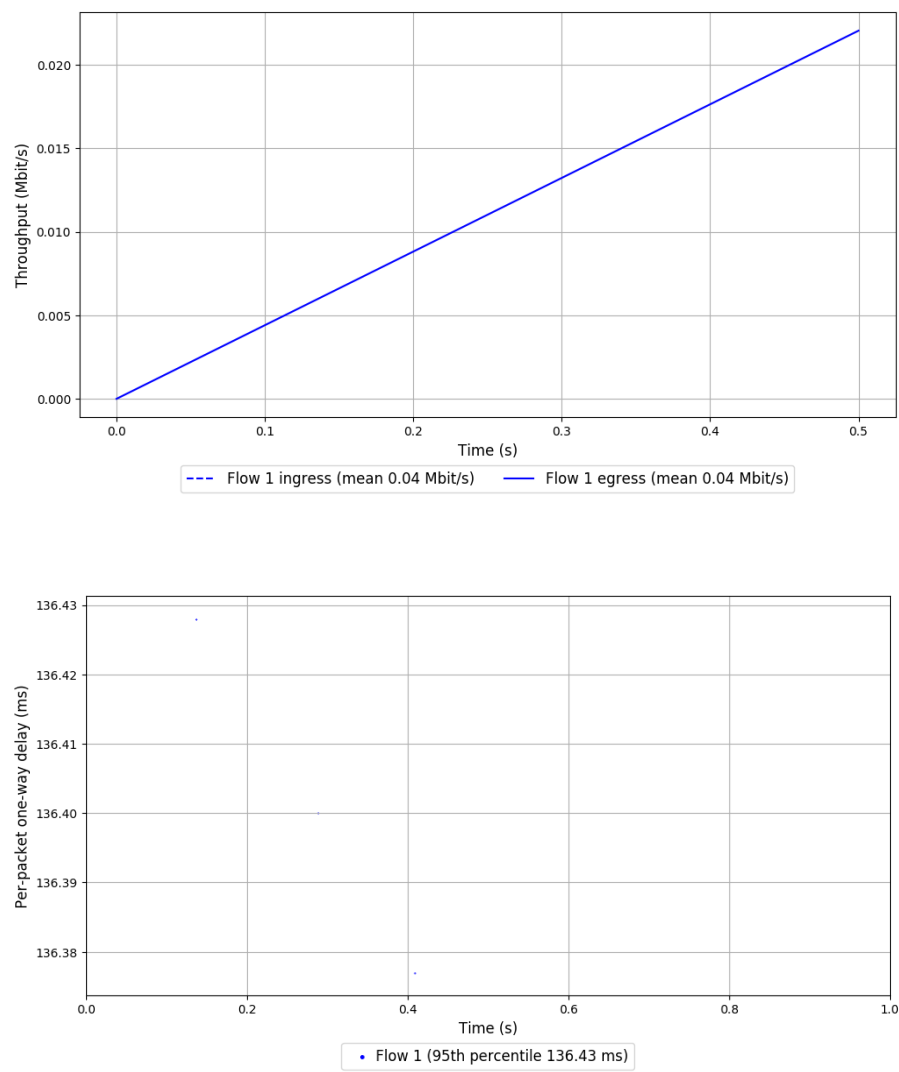
Start at: 2018-07-11 09:13:04

End at: 2018-07-11 09:13:34

Local clock offset: -0.226 ms

Remote clock offset: 0.005 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

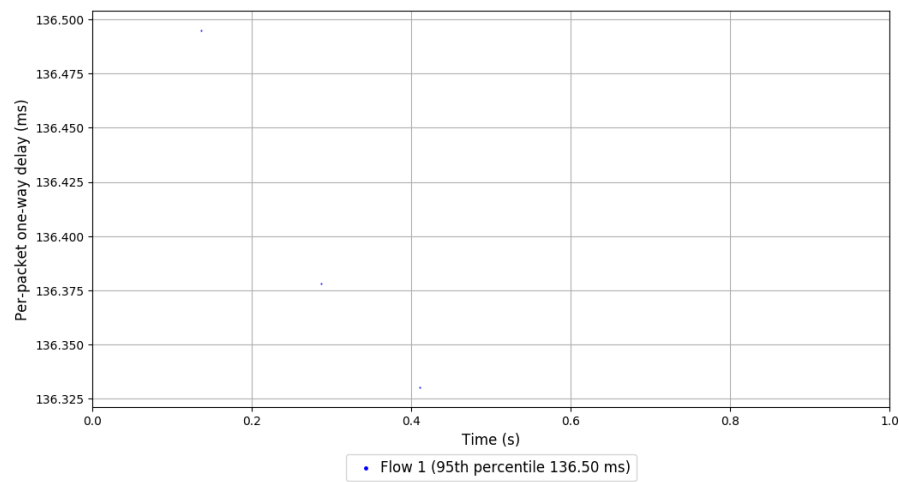
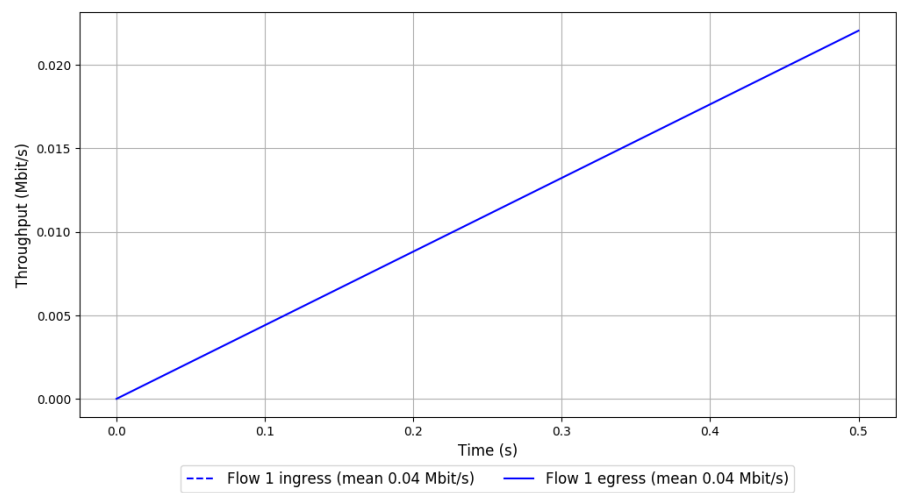
Start at: 2018-07-11 09:36:09

End at: 2018-07-11 09:36:39

Local clock offset: -0.028 ms

Remote clock offset: -0.021 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

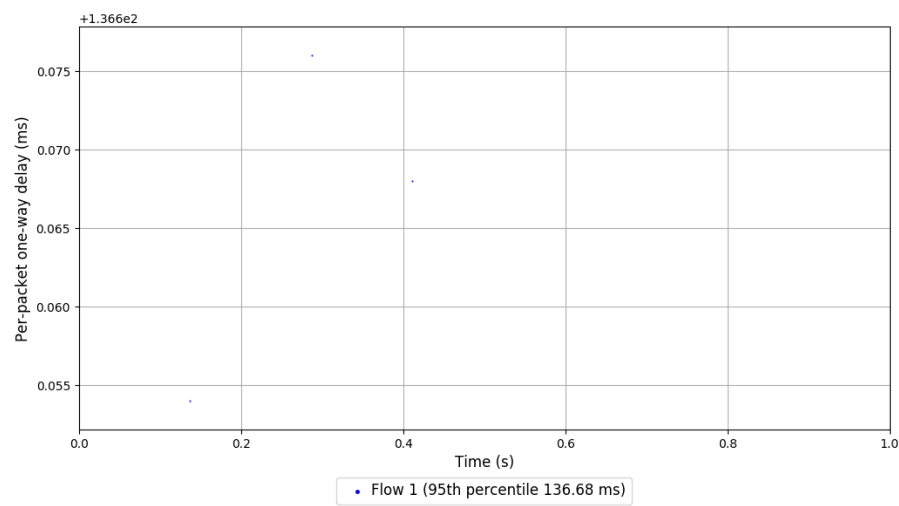
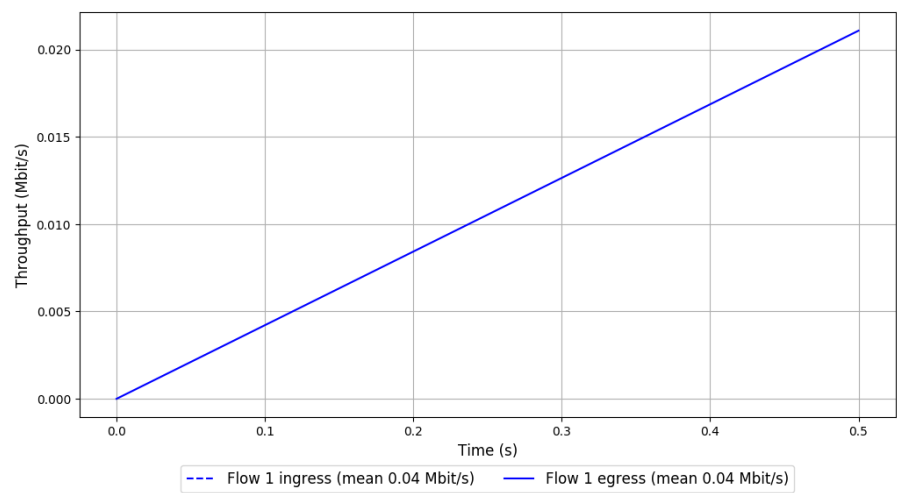
Start at: 2018-07-11 09:59:13

End at: 2018-07-11 09:59:43

Local clock offset: -0.125 ms

Remote clock offset: -0.44 ms

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

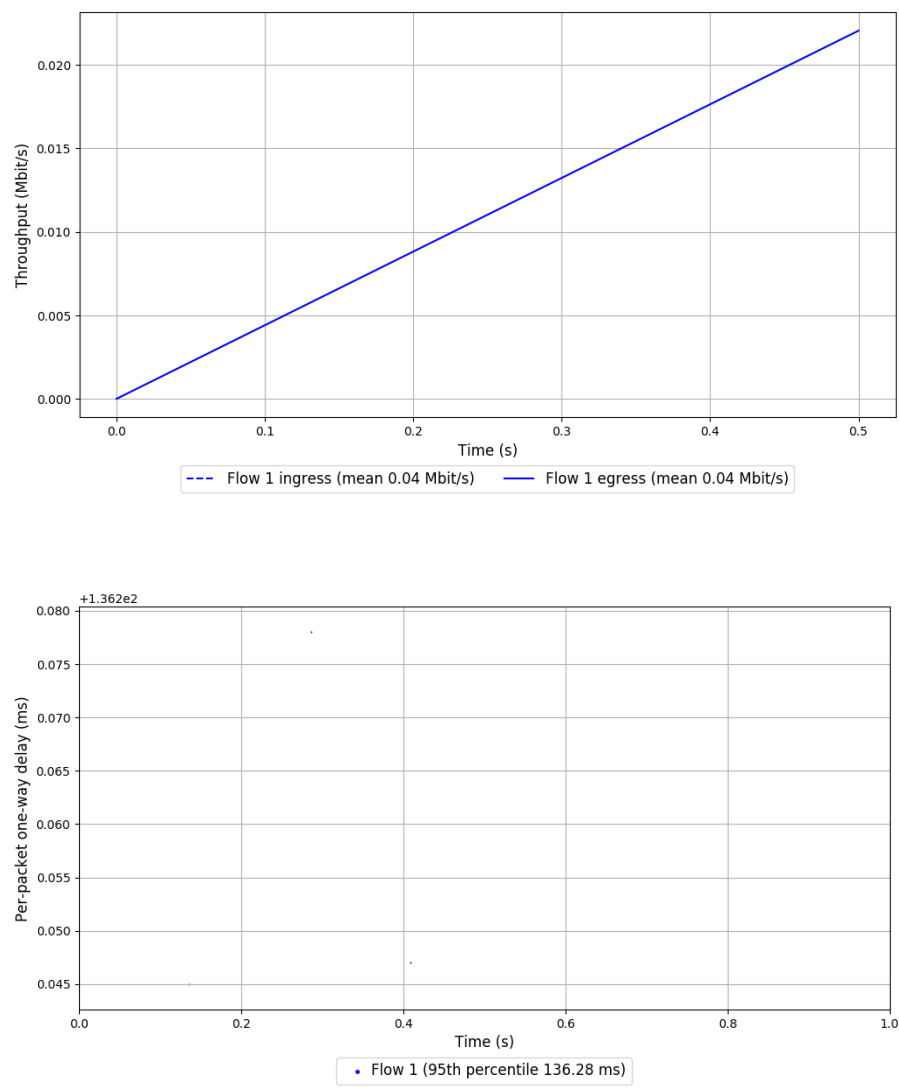
Start at: 2018-07-11 10:21:24

End at: 2018-07-11 10:21:54

Local clock offset: -0.007 ms

Remote clock offset: -0.427 ms

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

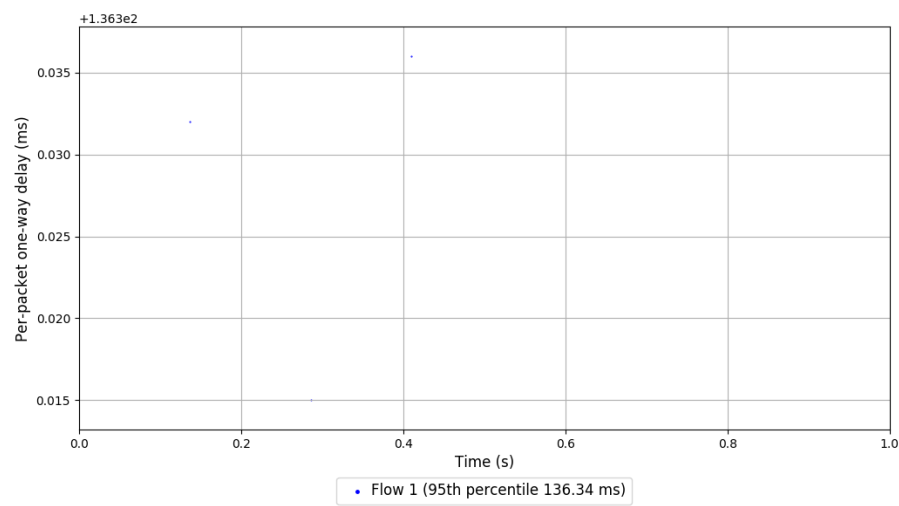
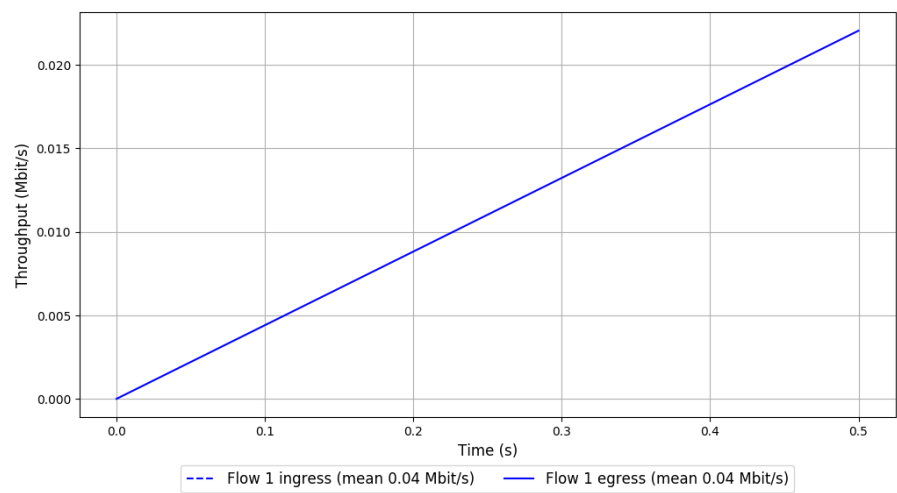
Start at: 2018-07-11 10:43:49

End at: 2018-07-11 10:44:19

Local clock offset: -0.053 ms

Remote clock offset: -0.004 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

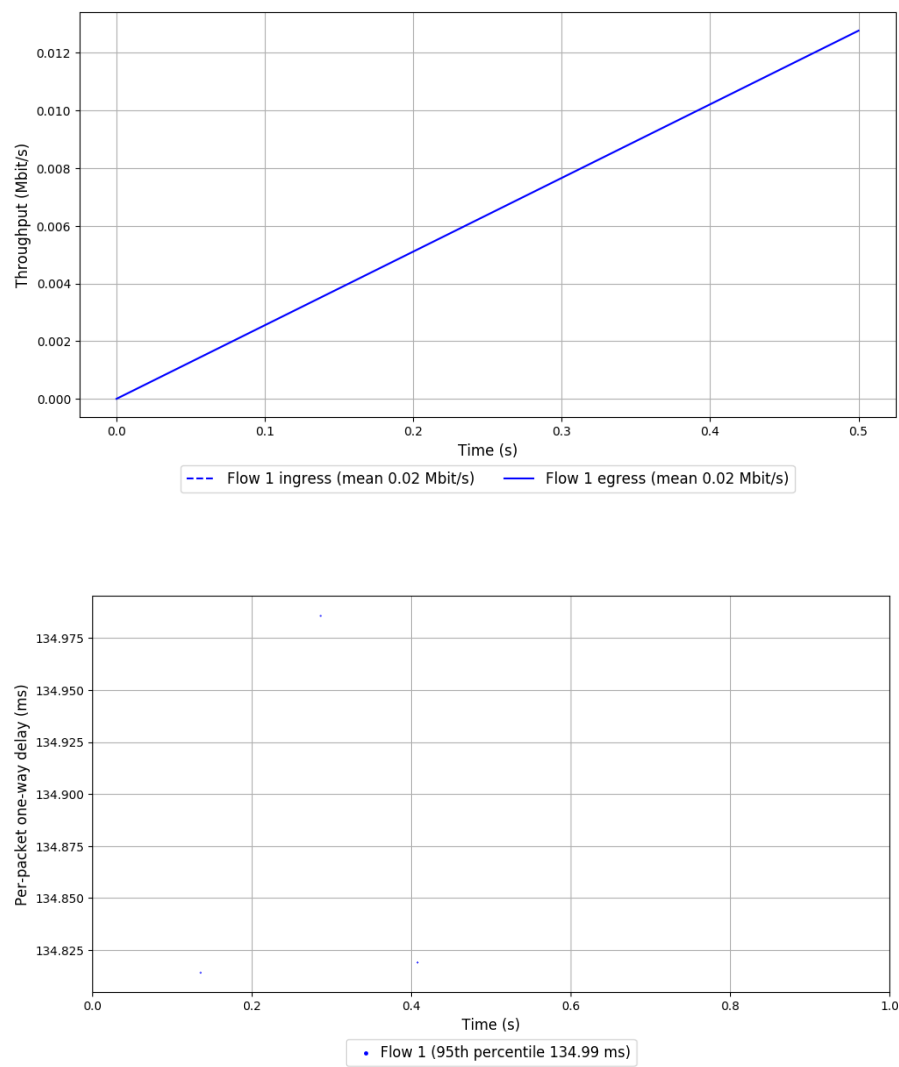
Start at: 2018-07-11 11:06:57

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

Local clock offset: 0.078 ms

Remote clock offset: 0.341 ms

Run 6: Report of QUIC Cubic — Data Link

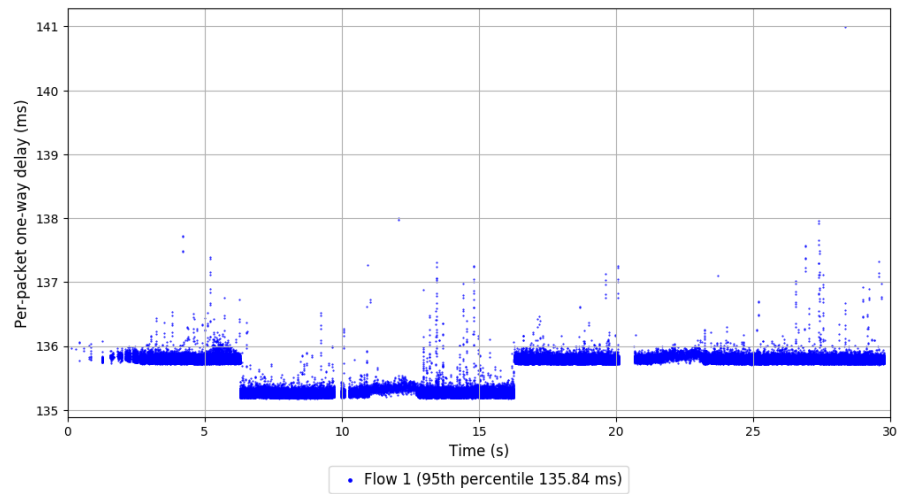
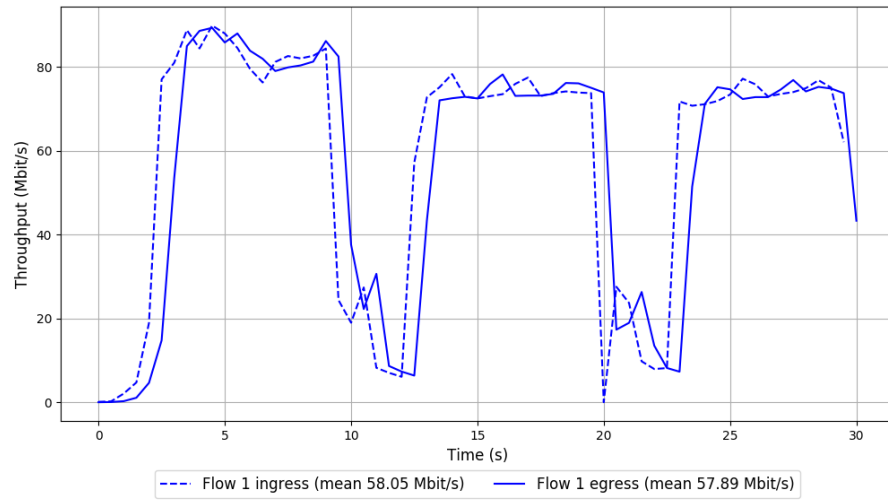


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-11 11:29:27
End at: 2018-07-11 11:29:57
Local clock offset: -0.114 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-11 14:07:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.89 Mbit/s
95th percentile per-packet one-way delay: 135.842 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 57.89 Mbit/s
95th percentile per-packet one-way delay: 135.842 ms
Loss rate: 1.18%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

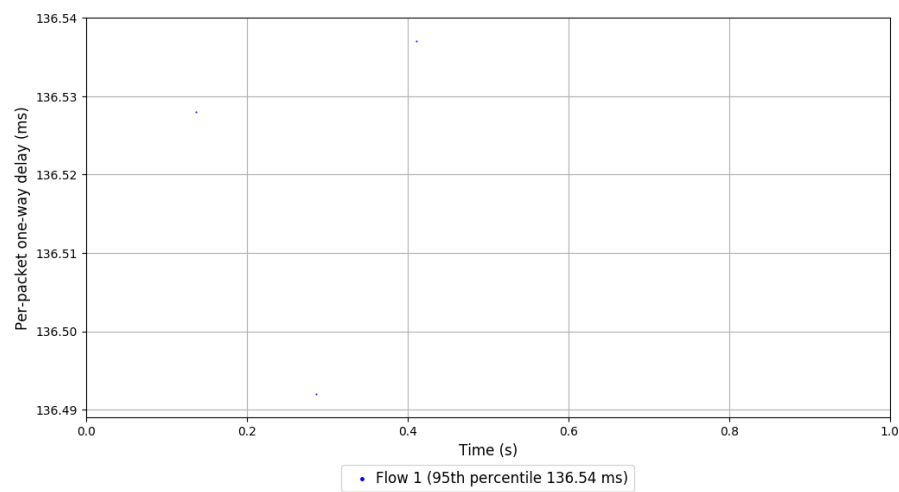
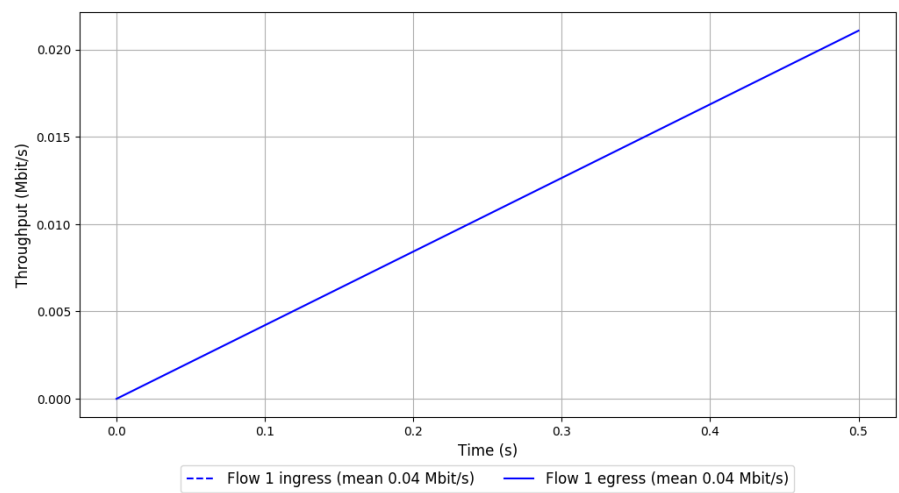
Start at: 2018-07-11 11:52:38

End at: 2018-07-11 11:53:08

Local clock offset: -0.002 ms

Remote clock offset: -0.112 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-11 12:15:29

End at: 2018-07-11 12:15:59

Local clock offset: 0.196 ms

Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-11 14:07:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.20 Mbit/s

95th percentile per-packet one-way delay: 136.211 ms

Loss rate: 1.30%

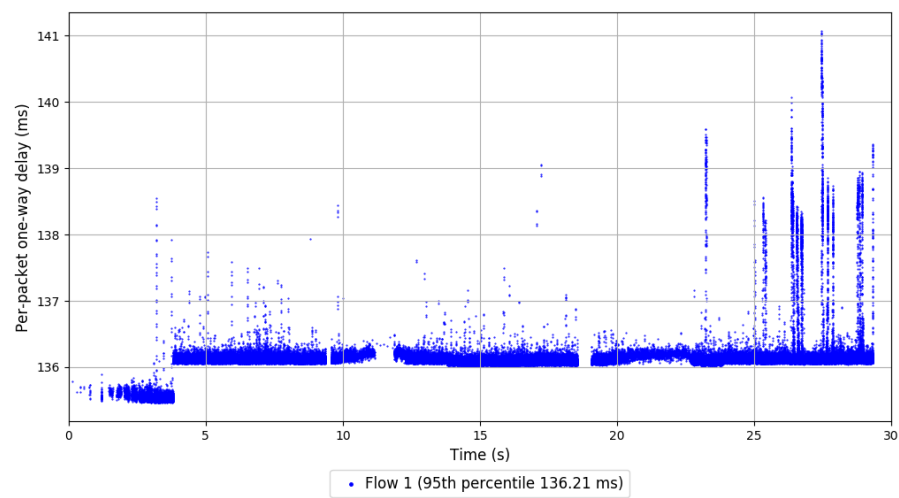
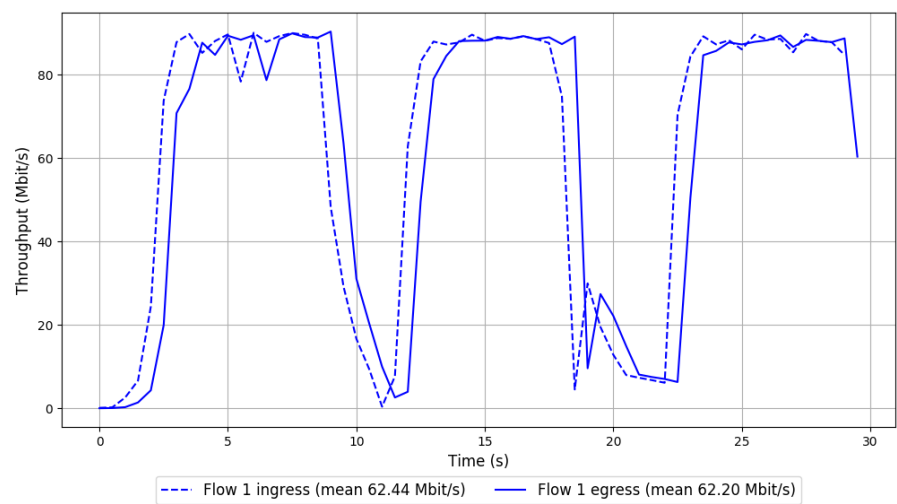
-- Flow 1:

Average throughput: 62.20 Mbit/s

95th percentile per-packet one-way delay: 136.211 ms

Loss rate: 1.30%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-11 12:38:36

End at: 2018-07-11 12:39:06

Local clock offset: -0.089 ms

Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-11 14:07:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.10 Mbit/s

95th percentile per-packet one-way delay: 136.187 ms

Loss rate: 1.31%

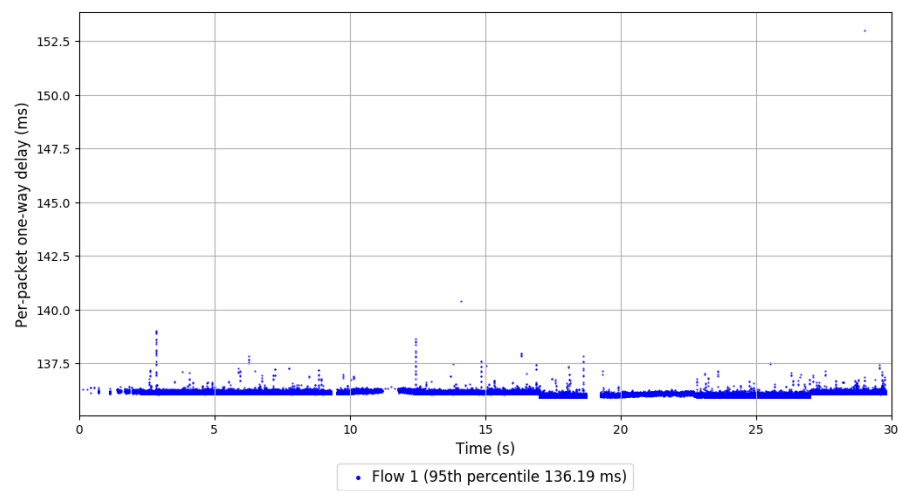
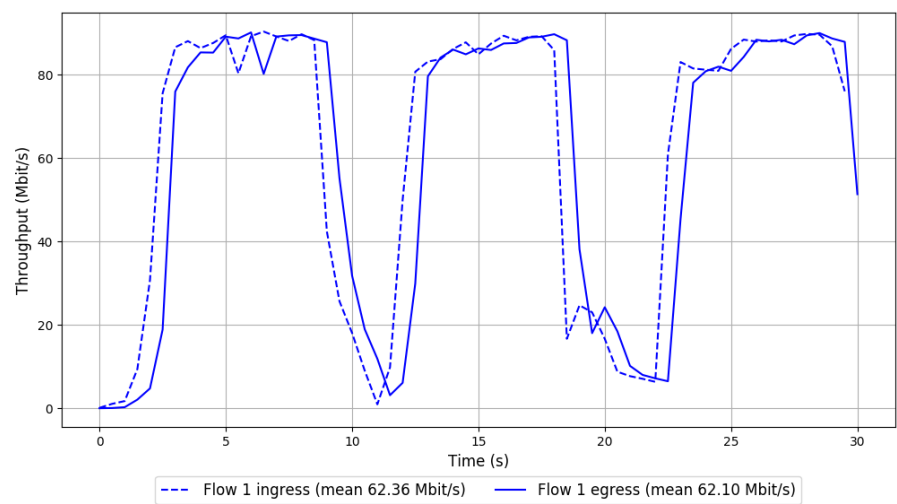
-- Flow 1:

Average throughput: 62.10 Mbit/s

95th percentile per-packet one-way delay: 136.187 ms

Loss rate: 1.31%

Run 10: Report of QUIC Cubic — Data Link

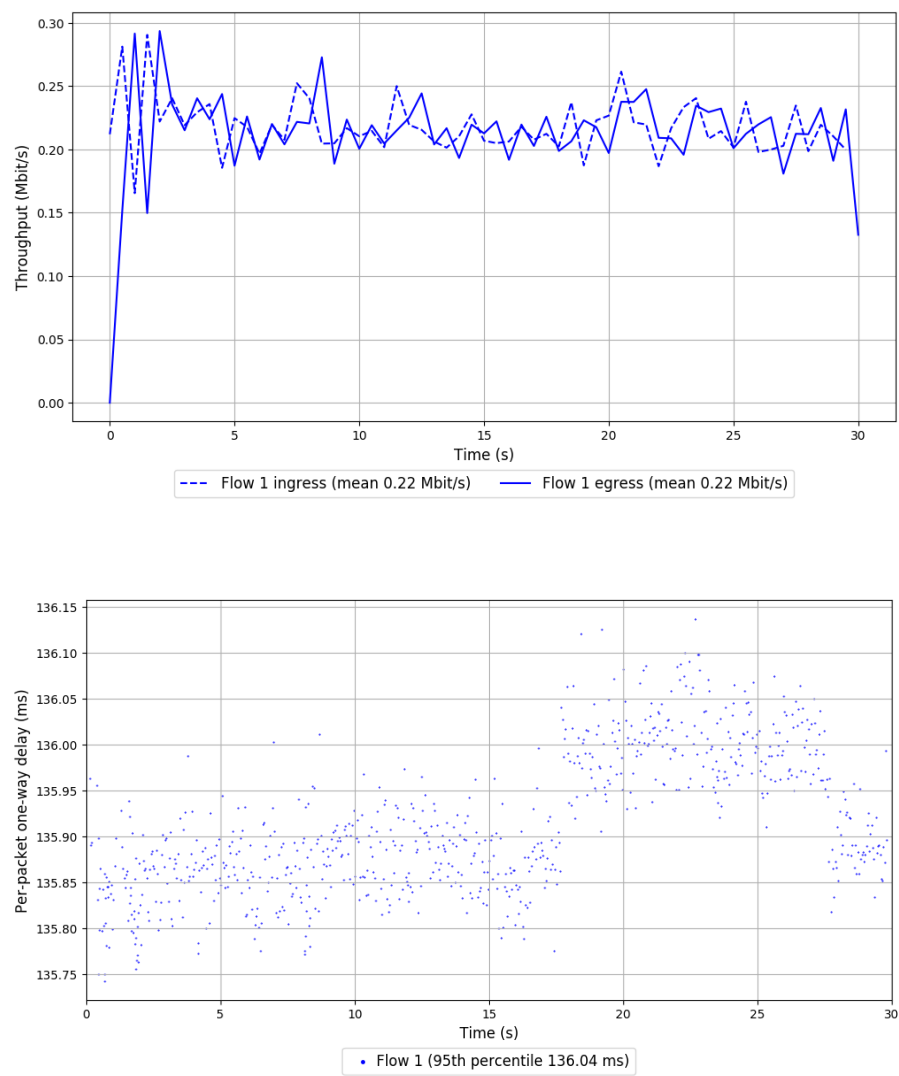


```
Run 1: Statistics of SCReAM

Start at: 2018-07-11 09:01:06
End at: 2018-07-11 09:01:36
Local clock offset: 0.229 ms
Remote clock offset: 0.287 ms

# Below is generated by plot.py at 2018-07-11 14:07:39
# 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 1: Report of SReAM — Data Link

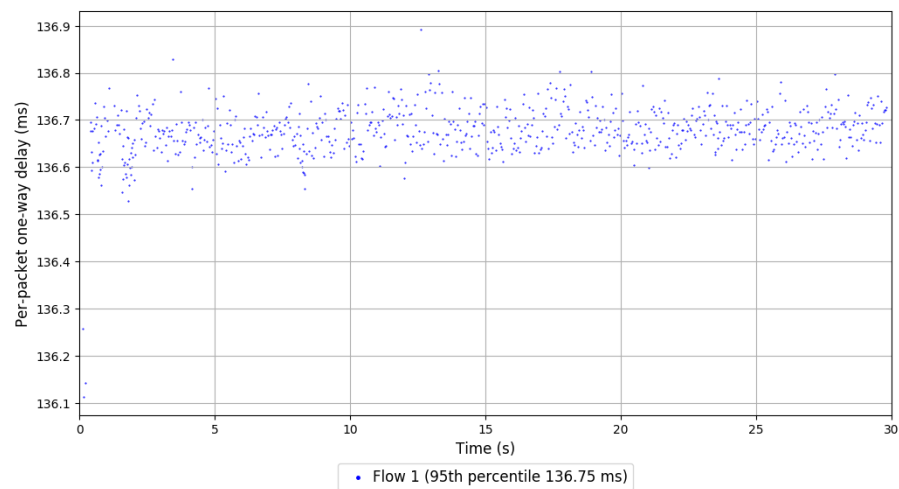
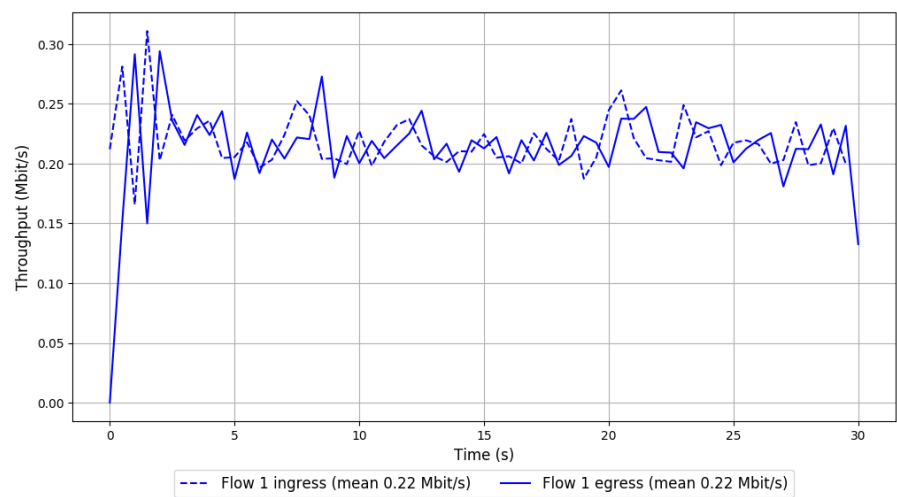


Run 2: Statistics of SCReAM

Start at: 2018-07-11 09:24:03
End at: 2018-07-11 09:24:33
Local clock offset: 0.167 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-11 14:07:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.754 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.754 ms
Loss rate: 0.89%

Run 2: Report of SReAM — Data Link

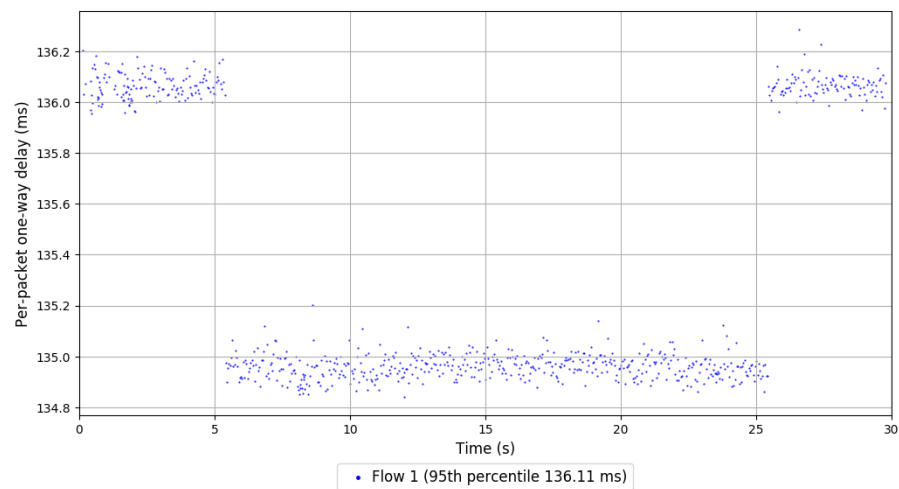
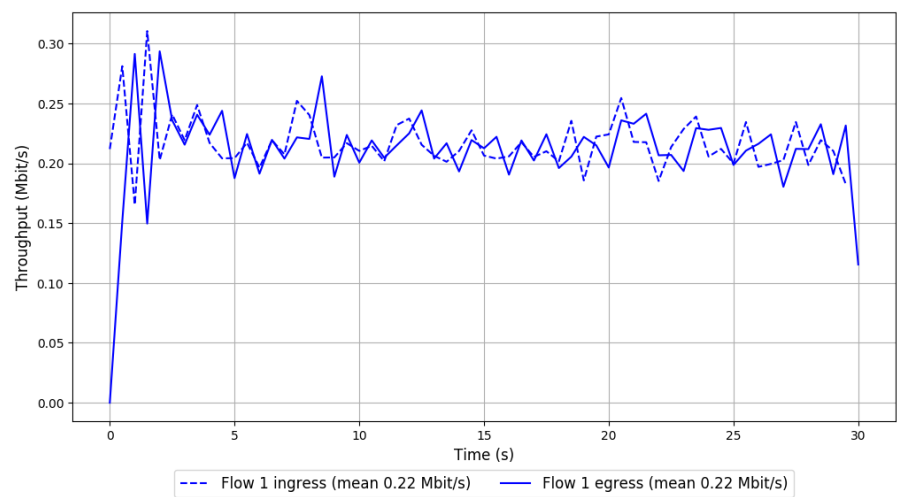


Run 3: Statistics of SCReAM

Start at: 2018-07-11 09:47:08
End at: 2018-07-11 09:47:38
Local clock offset: 0.137 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-11 14:07:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.110 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.110 ms
Loss rate: 0.90%

Run 3: Report of SReAM — Data Link

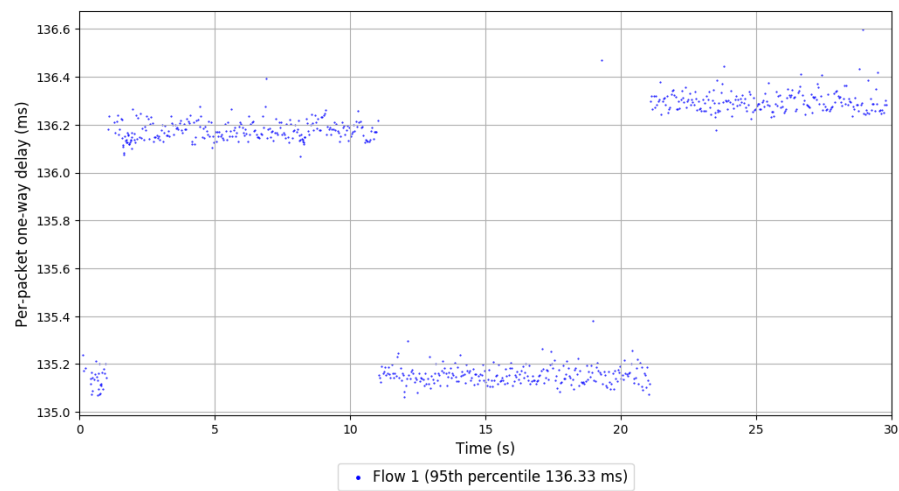
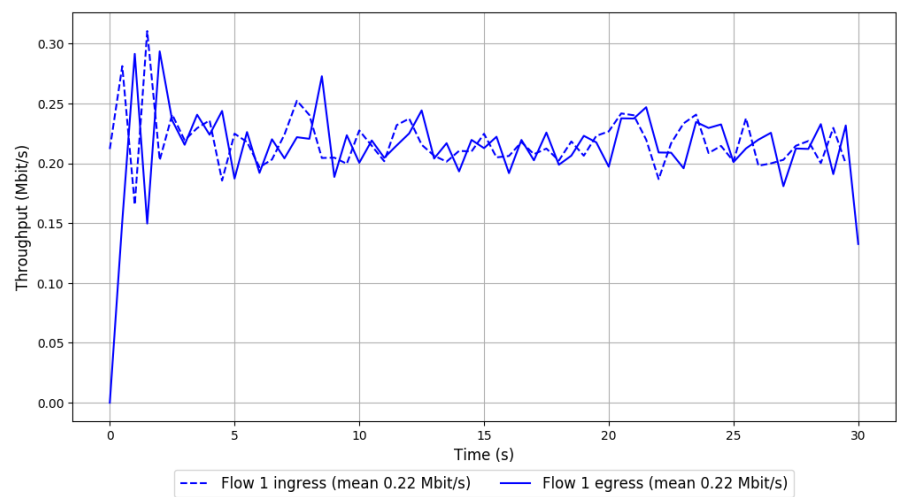


Run 4: Statistics of SCReAM

Start at: 2018-07-11 10:09:52
End at: 2018-07-11 10:10:22
Local clock offset: 0.009 ms
Remote clock offset: -0.435 ms

Below is generated by plot.py at 2018-07-11 14:07:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.330 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.330 ms
Loss rate: 0.89%

Run 4: Report of SReAM — Data Link

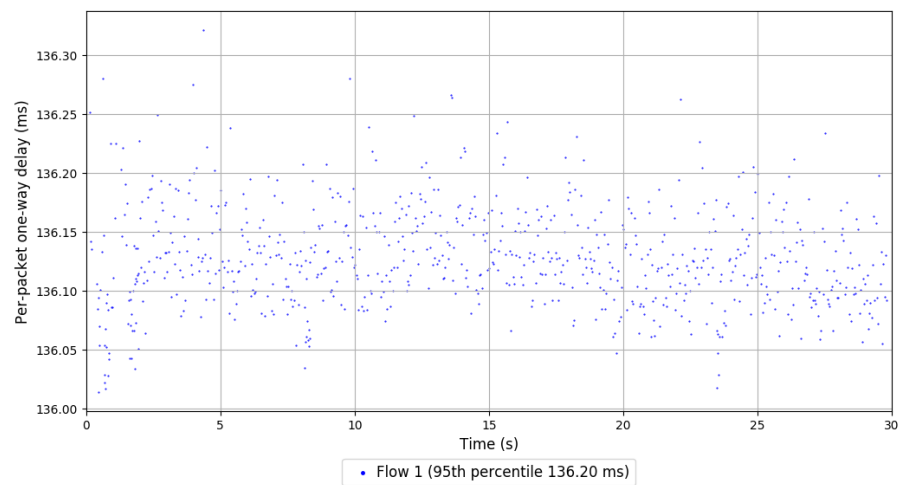
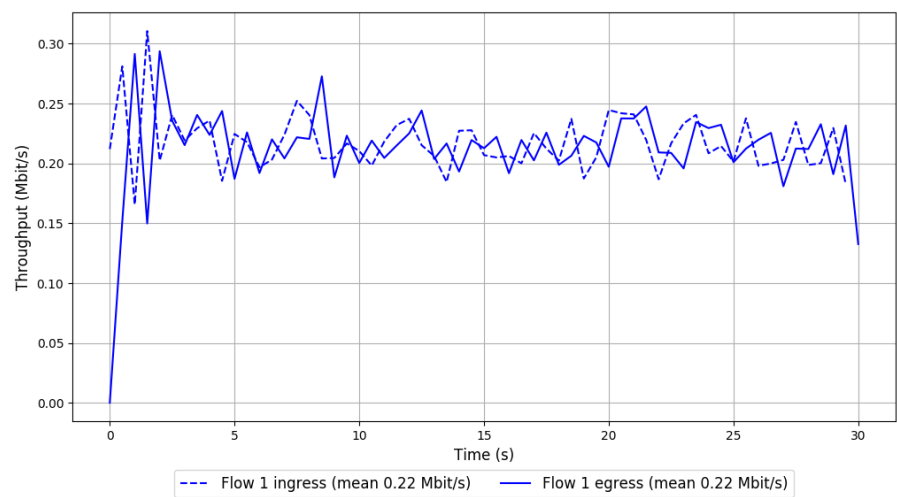


Run 5: Statistics of SCReAM

Start at: 2018-07-11 10:32:06
End at: 2018-07-11 10:32:36
Local clock offset: -0.175 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-11 14:07:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.204 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.204 ms
Loss rate: 0.76%

Run 5: Report of SReAM — Data Link

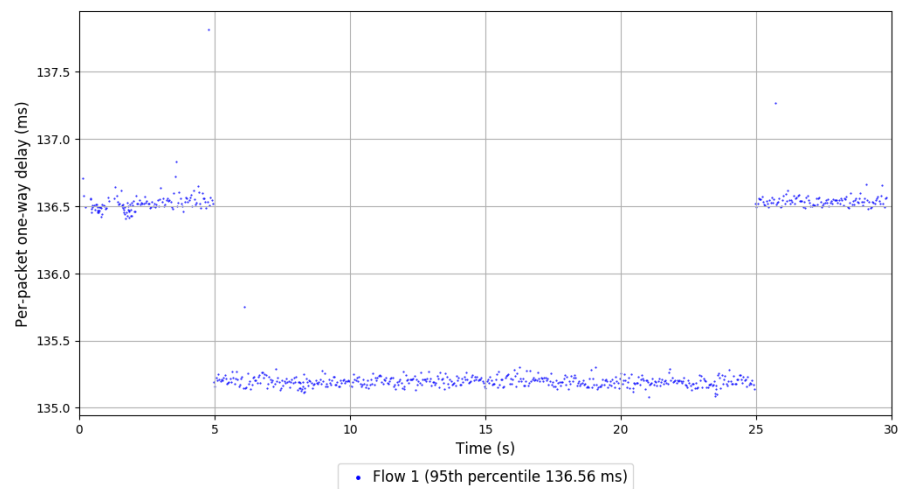
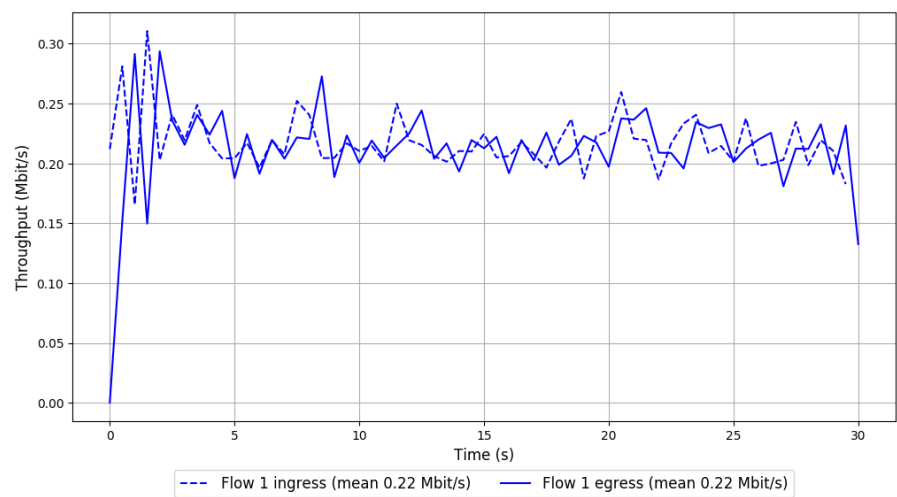


Run 6: Statistics of SCReAM

Start at: 2018-07-11 10:54:48
End at: 2018-07-11 10:55:18
Local clock offset: 0.056 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-11 14:07:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.564 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.564 ms
Loss rate: 0.76%

Run 6: Report of SReAM — Data Link

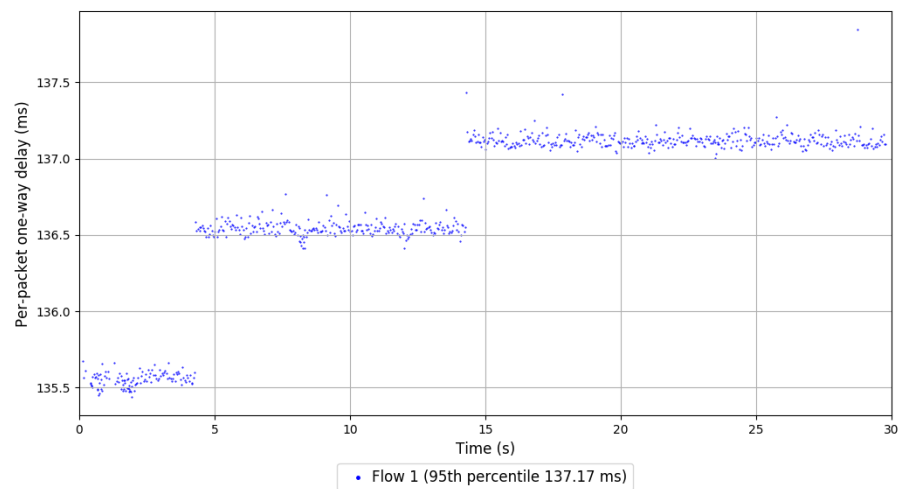
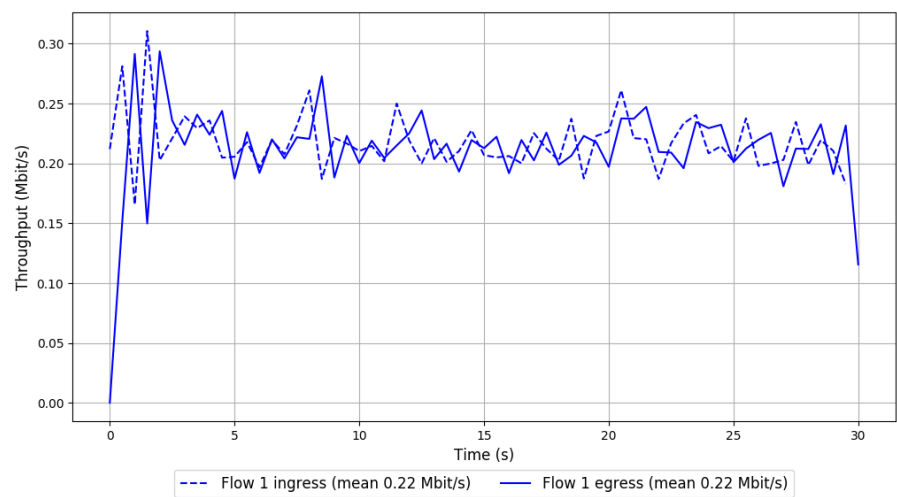


Run 7: Statistics of SCReAM

Start at: 2018-07-11 11:17:39
End at: 2018-07-11 11:18:09
Local clock offset: 0.045 ms
Remote clock offset: -0.441 ms

Below is generated by plot.py at 2018-07-11 14:07:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.168 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.168 ms
Loss rate: 0.89%

Run 7: Report of SReAM — Data Link

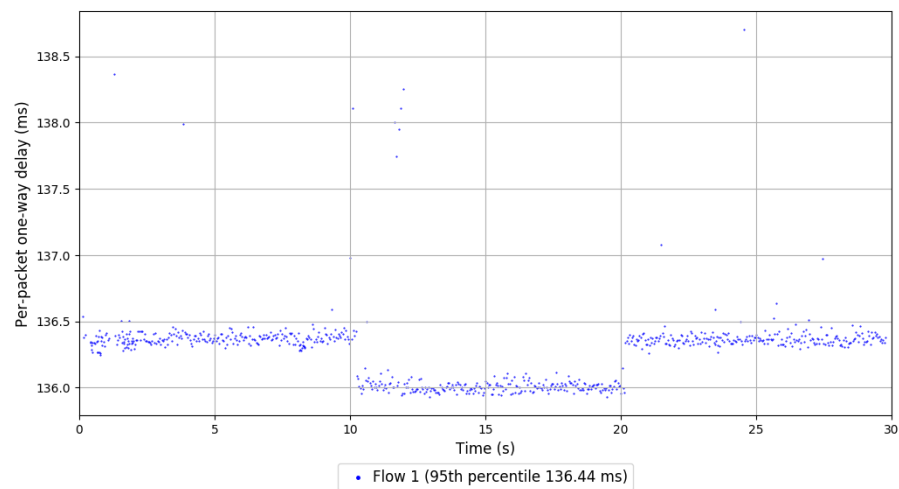
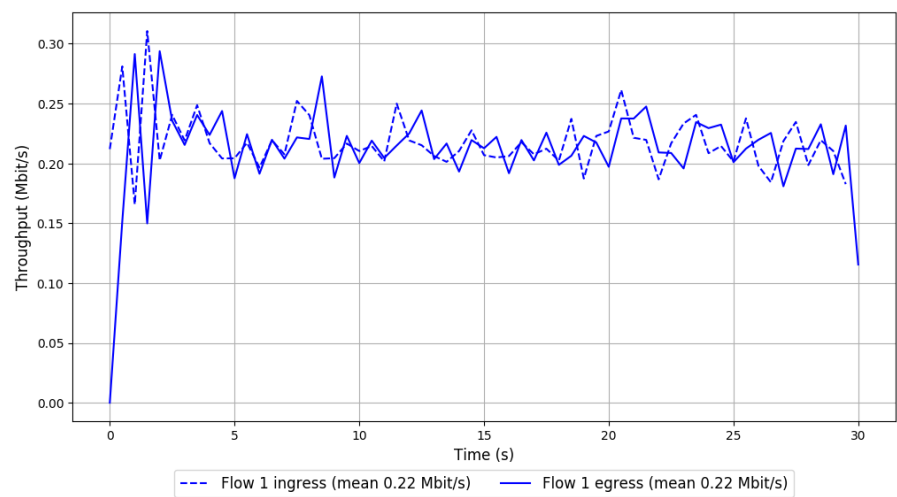


Run 8: Statistics of SCReAM

Start at: 2018-07-11 11:40:33
End at: 2018-07-11 11:41:03
Local clock offset: -0.086 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-11 14:07:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.443 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.443 ms
Loss rate: 0.89%

Run 8: Report of SReAM — Data Link

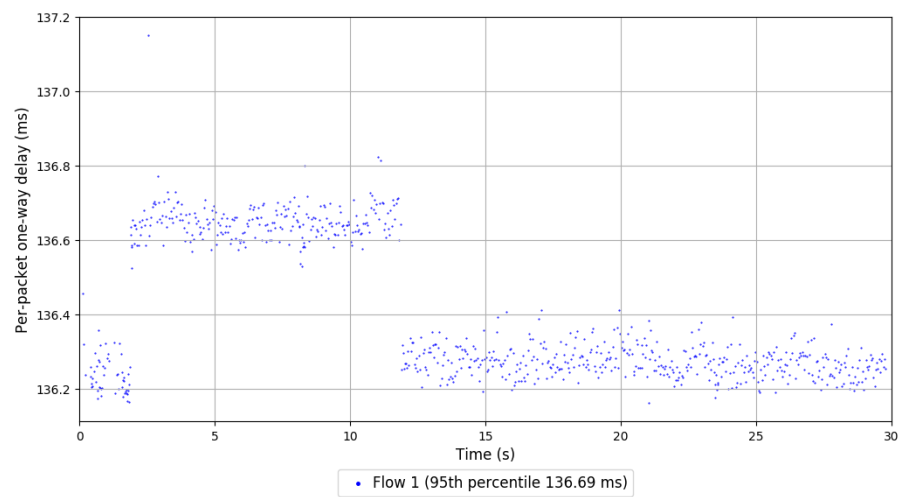
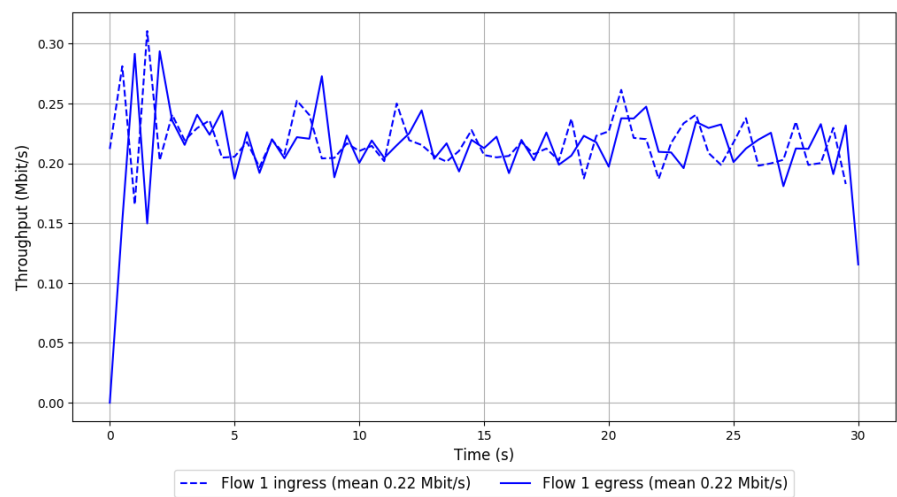


Run 9: Statistics of SCReAM

Start at: 2018-07-11 12:03:32
End at: 2018-07-11 12:04:02
Local clock offset: 0.197 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-07-11 14:07:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.693 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.693 ms
Loss rate: 0.89%

Run 9: Report of SReAM — Data Link

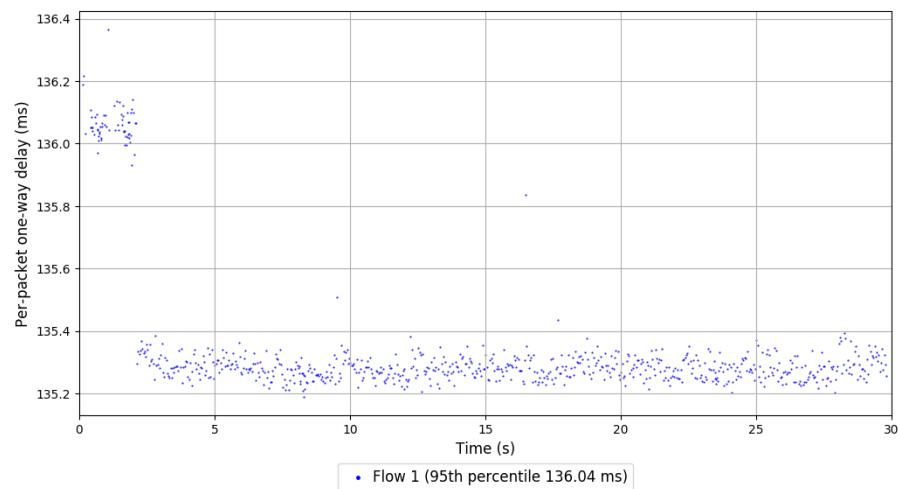
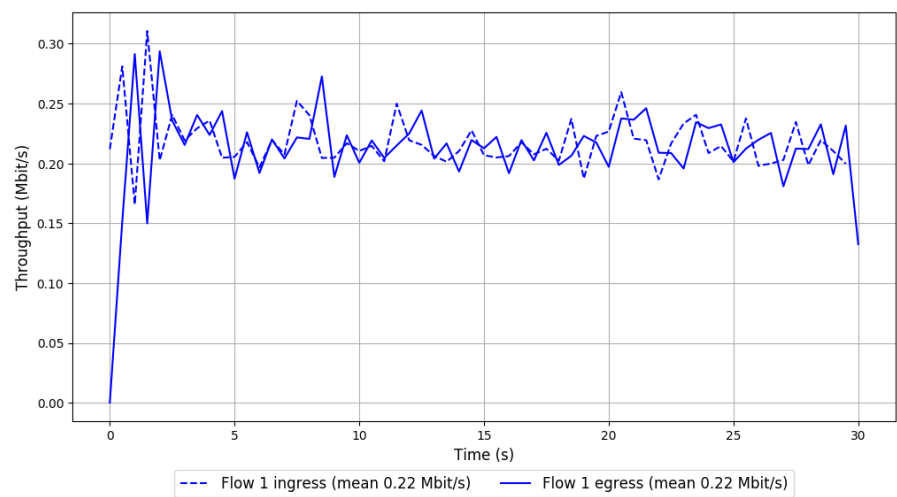


Run 10: Statistics of SCReAM

Start at: 2018-07-11 12:26:31
End at: 2018-07-11 12:27:01
Local clock offset: 0.182 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-11 14:07:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.044 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.044 ms
Loss rate: 0.89%

Run 10: Report of SReAM — Data Link

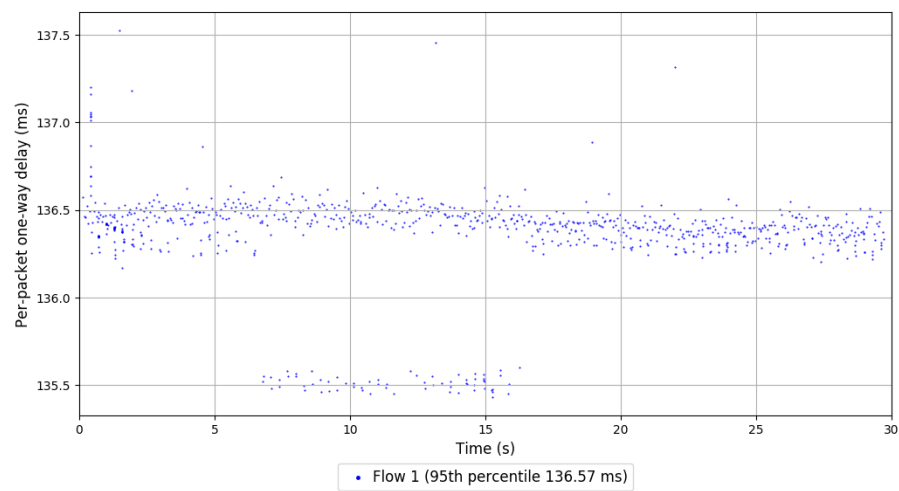
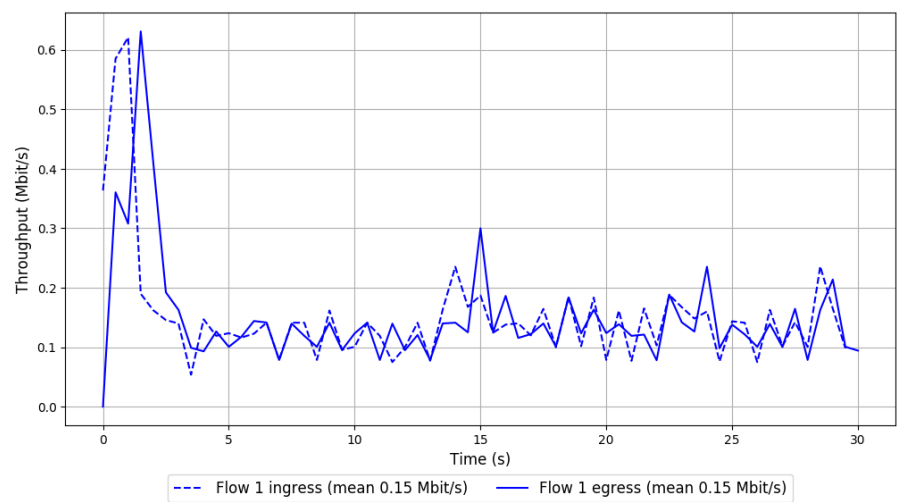


Run 1: Statistics of Sprout

Start at: 2018-07-11 09:17:07
End at: 2018-07-11 09:17:37
Local clock offset: -0.039 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-11 14:07:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.566 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.566 ms
Loss rate: 1.04%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-11 09:40:17

End at: 2018-07-11 09:40:47

Local clock offset: -0.268 ms

Remote clock offset: 0.331 ms

Below is generated by plot.py at 2018-07-11 14:07:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 135.871 ms

Loss rate: 0.53%

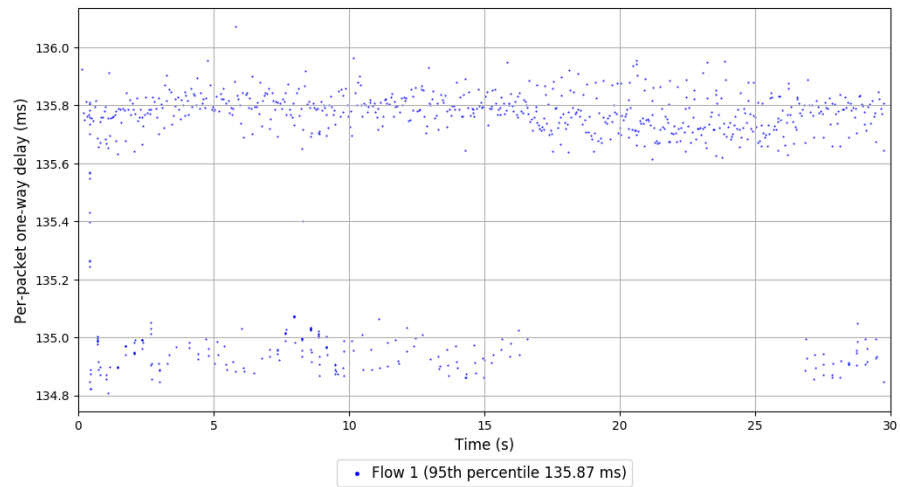
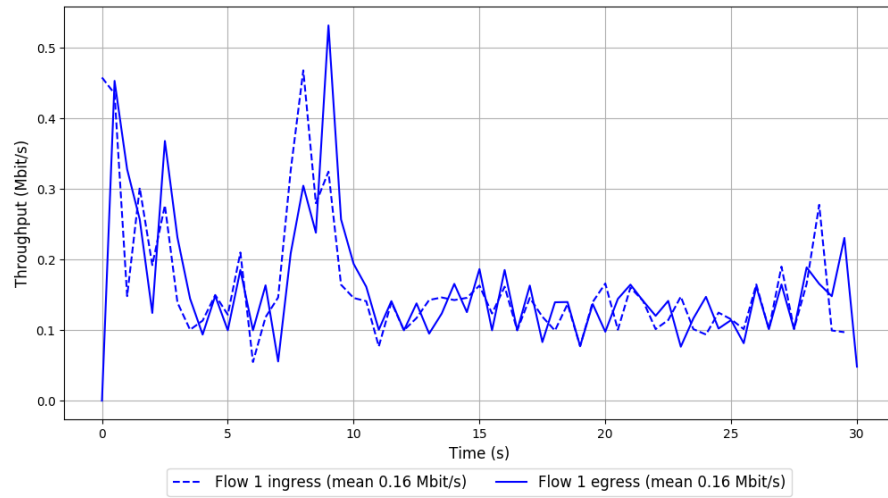
-- Flow 1:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 135.871 ms

Loss rate: 0.53%

Run 2: Report of Sprout — Data Link

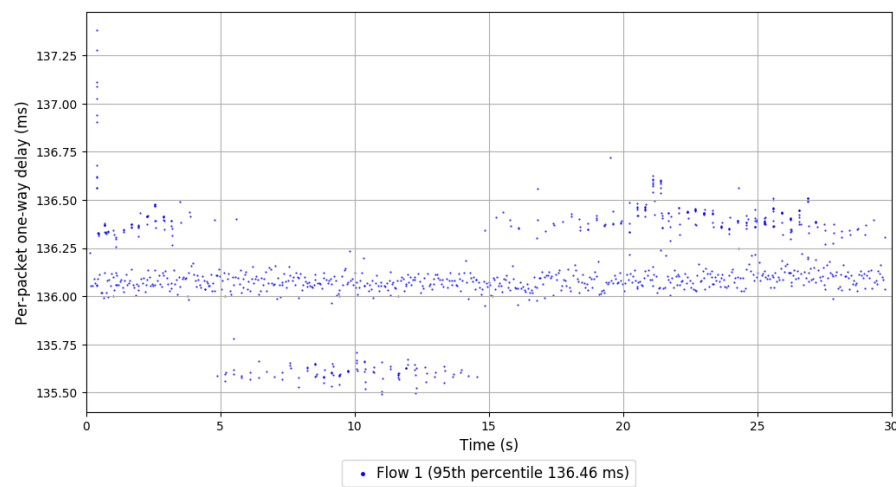
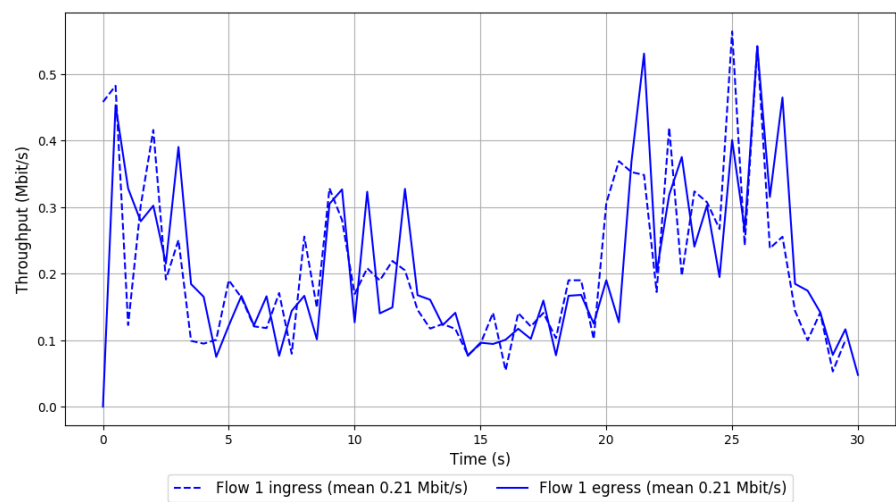


Run 3: Statistics of Sprout

Start at: 2018-07-11 10:02:59
End at: 2018-07-11 10:03:29
Local clock offset: 0.067 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-11 14:07:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 136.459 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 136.459 ms
Loss rate: 0.44%

Run 3: Report of Sprout — Data Link

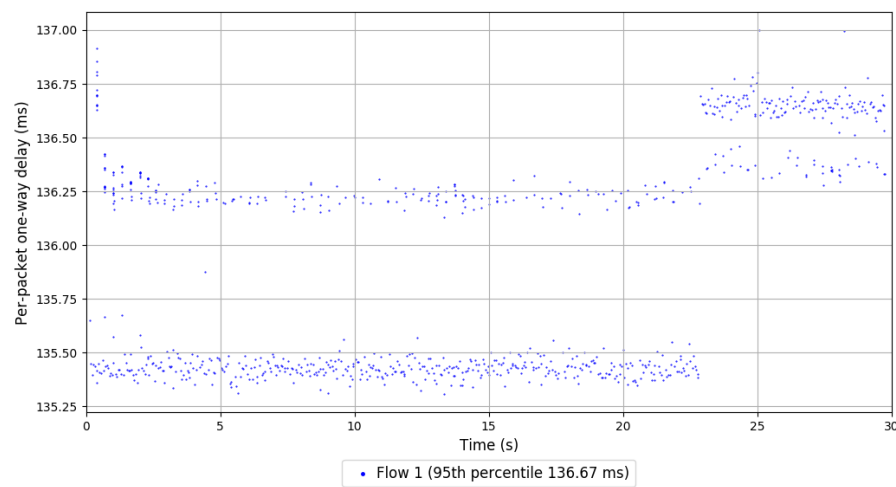
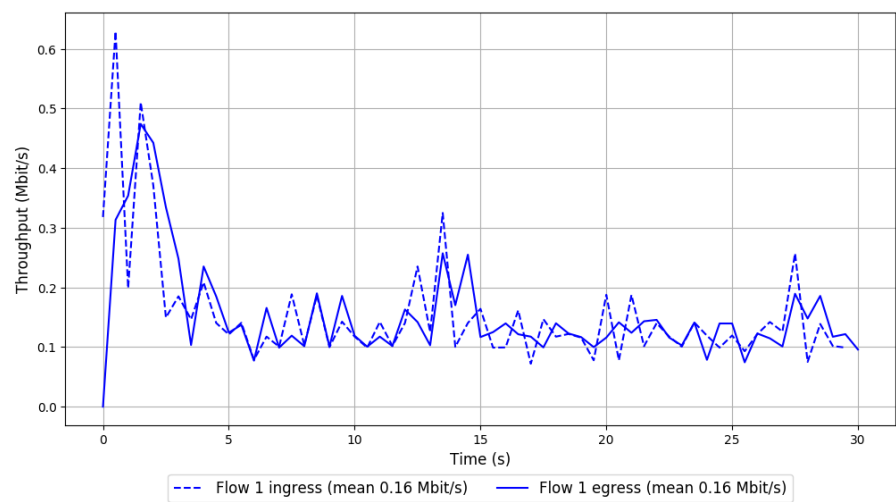


Run 4: Statistics of Sprout

Start at: 2018-07-11 10:25:20
End at: 2018-07-11 10:25:51
Local clock offset: -0.071 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-11 14:07:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.674 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.674 ms
Loss rate: 0.09%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-11 10:48:00

End at: 2018-07-11 10:48:30

Local clock offset: -0.088 ms

Remote clock offset: 0.325 ms

Below is generated by plot.py at 2018-07-11 14:07:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 136.372 ms

Loss rate: 0.74%

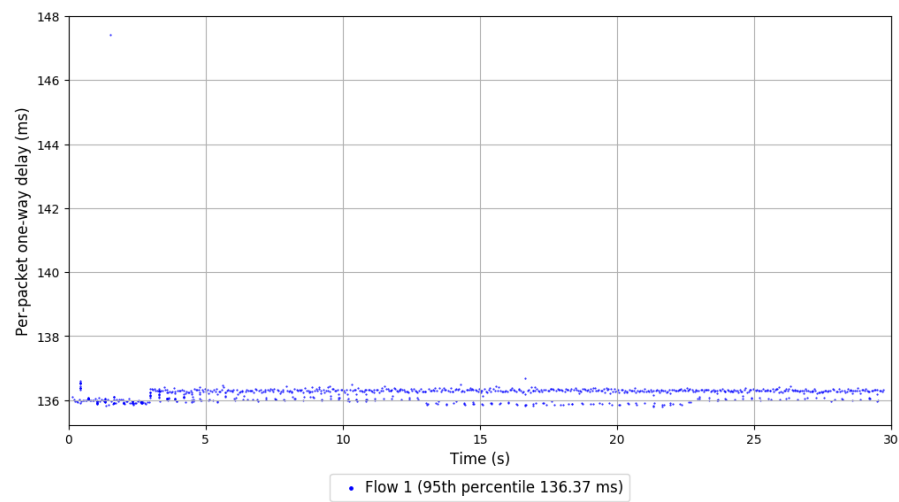
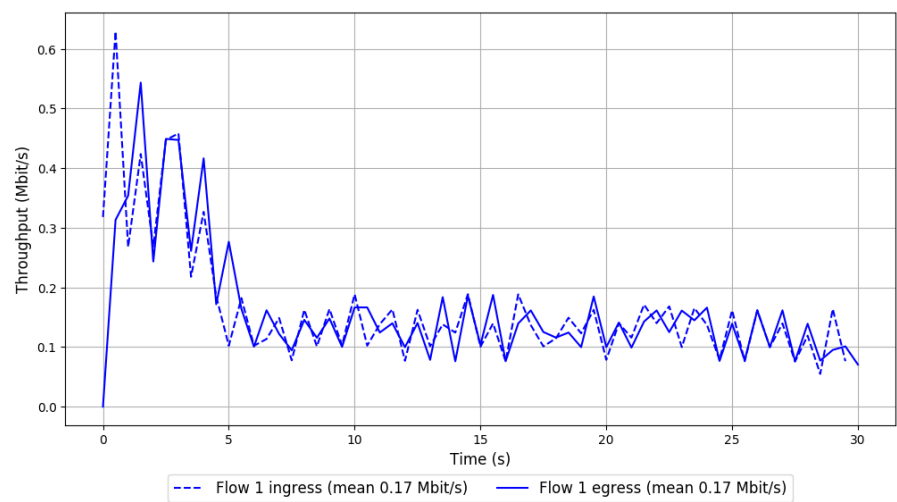
-- Flow 1:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 136.372 ms

Loss rate: 0.74%

Run 5: Report of Sprout — Data Link

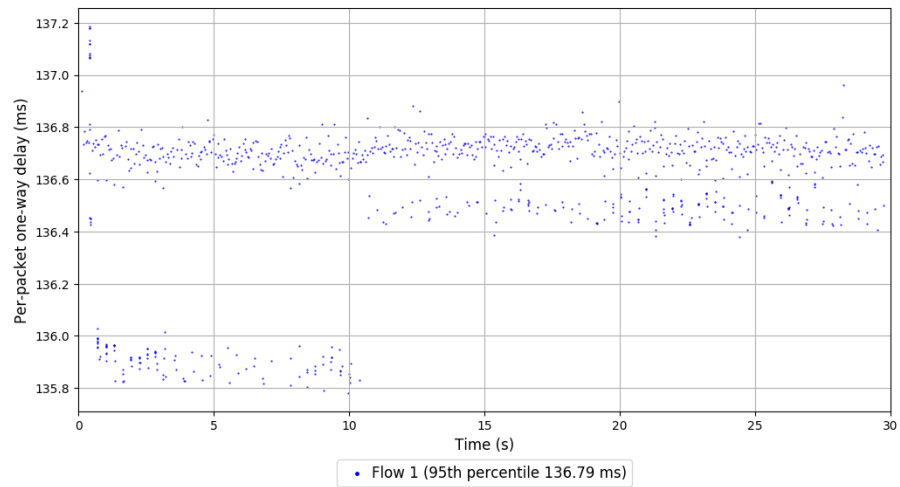
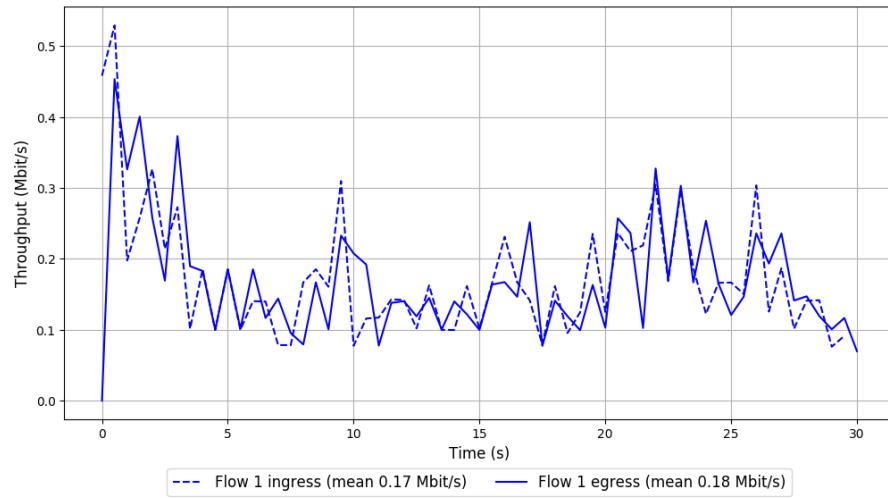


Run 6: Statistics of Sprout

Start at: 2018-07-11 11:11:03
End at: 2018-07-11 11:11:33
Local clock offset: 0.008 ms
Remote clock offset: -0.404 ms

Below is generated by plot.py at 2018-07-11 14:07:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.789 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.789 ms
Loss rate: 0.46%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-07-11 11:33:37

End at: 2018-07-11 11:34:07

Local clock offset: -0.1 ms

Remote clock offset: 0.335 ms

Below is generated by plot.py at 2018-07-11 14:07:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 135.482 ms

Loss rate: 0.91%

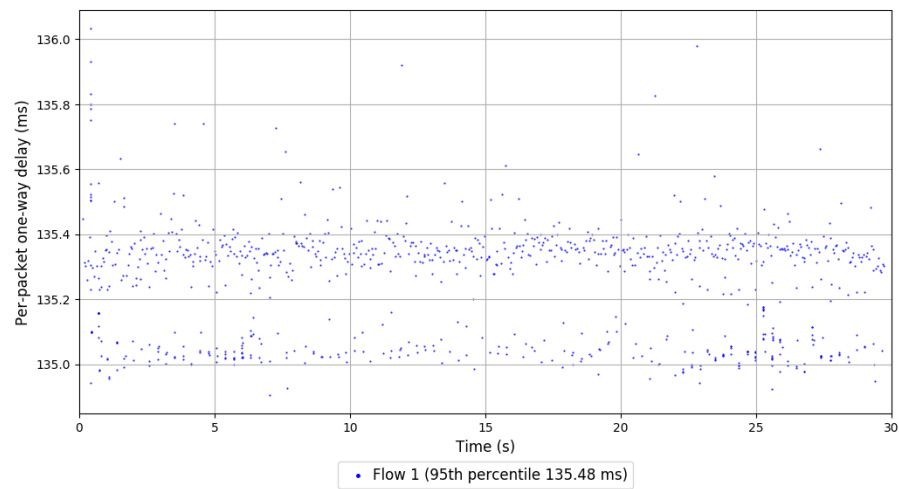
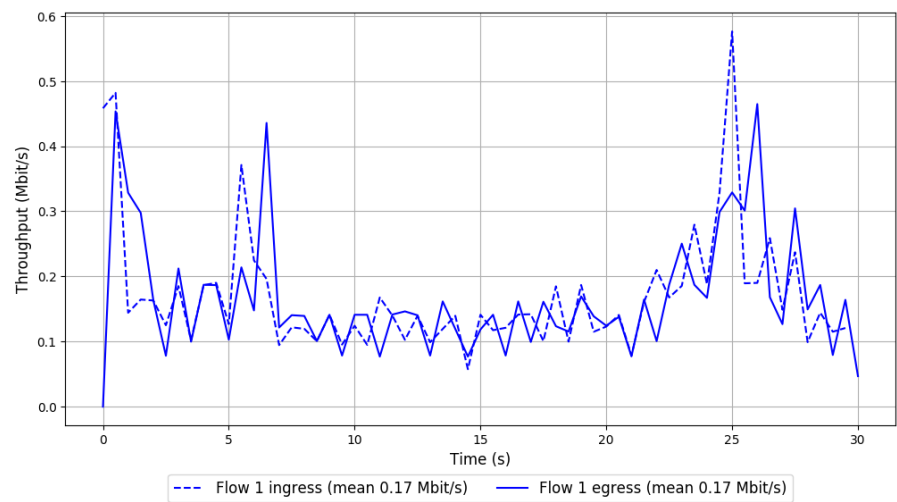
-- Flow 1:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 135.482 ms

Loss rate: 0.91%

Run 7: Report of Sprout — Data Link

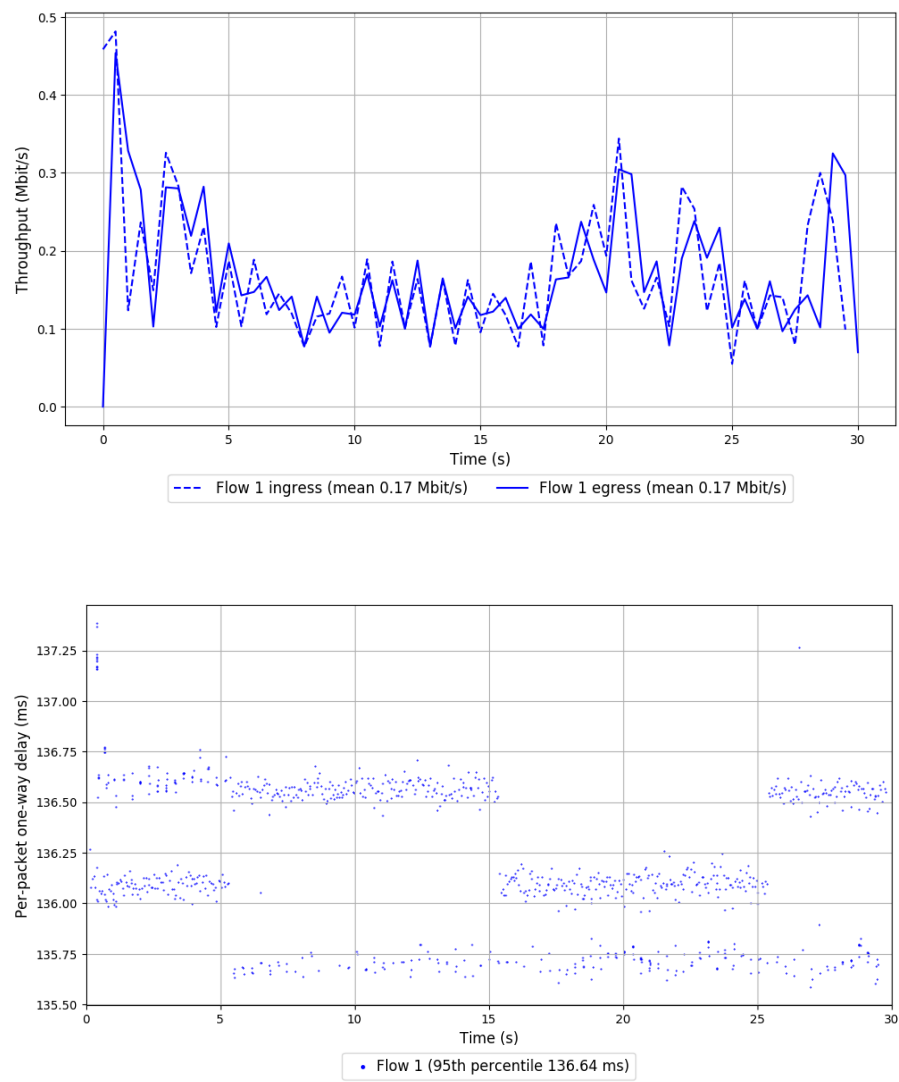


Run 8: Statistics of Sprout

Start at: 2018-07-11 11:56:38
End at: 2018-07-11 11:57:08
Local clock offset: 0.145 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-11 14:07:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.637 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.637 ms
Loss rate: 0.78%

Run 8: Report of Sprout — Data Link

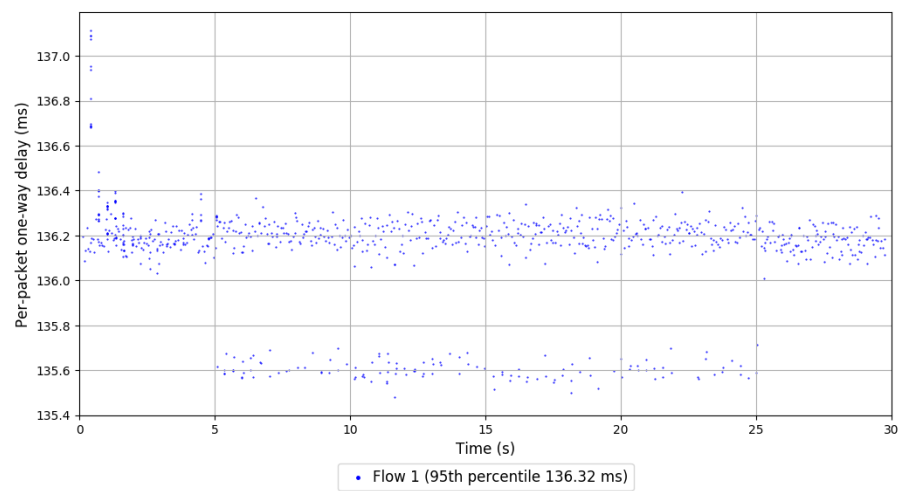
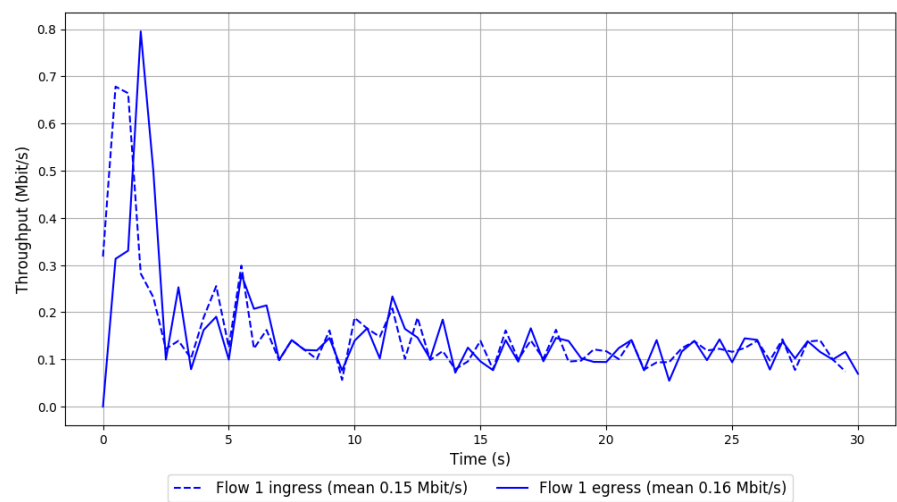


Run 9: Statistics of Sprout

Start at: 2018-07-11 12:19:38
End at: 2018-07-11 12:20:08
Local clock offset: 0.044 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-07-11 14:07:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.317 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.317 ms
Loss rate: 0.60%

Run 9: Report of Sprout — Data Link

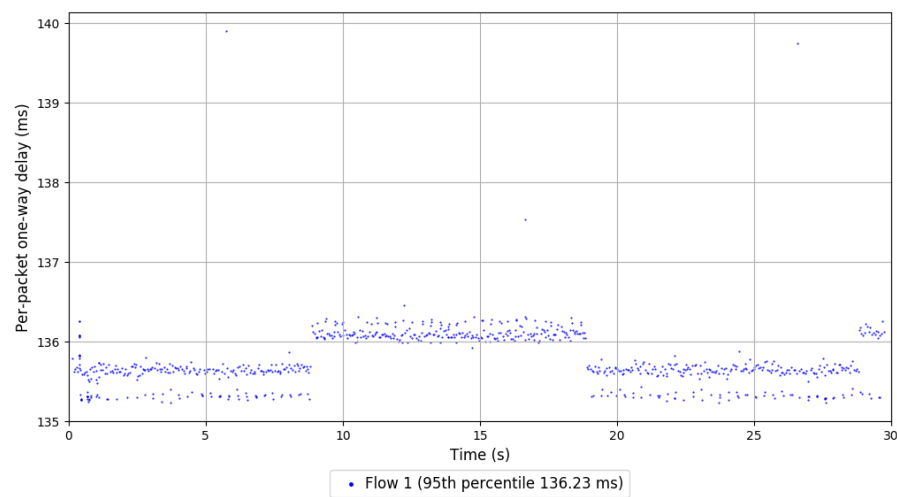
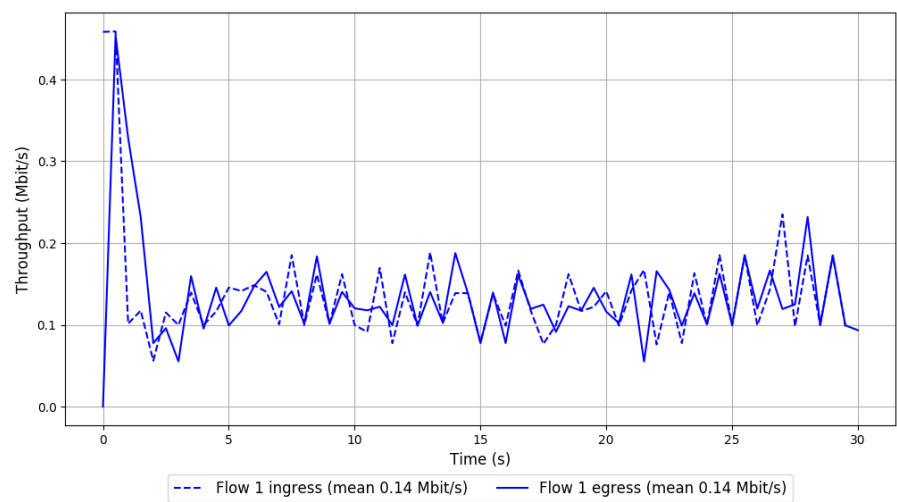


Run 10: Statistics of Sprout

Start at: 2018-07-11 12:42:45
End at: 2018-07-11 12:43:15
Local clock offset: -0.187 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-11 14:07:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 136.231 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 136.231 ms
Loss rate: 1.13%

Run 10: Report of Sprout — Data Link

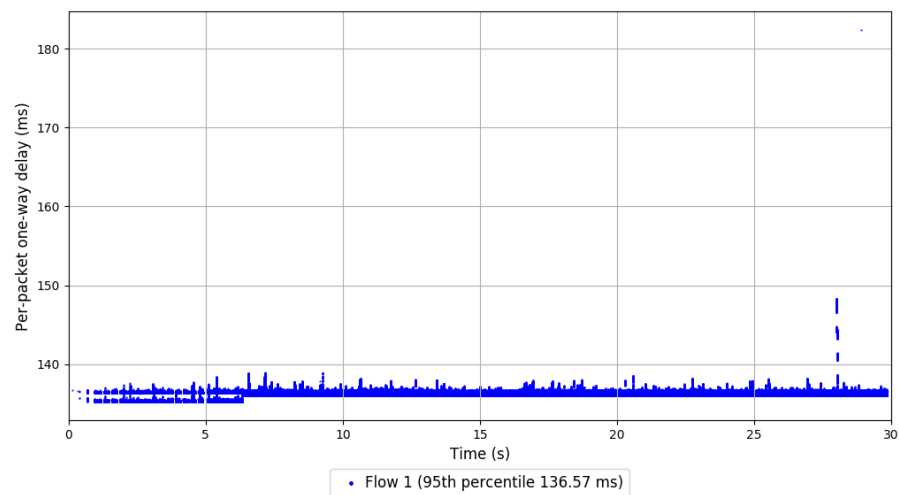
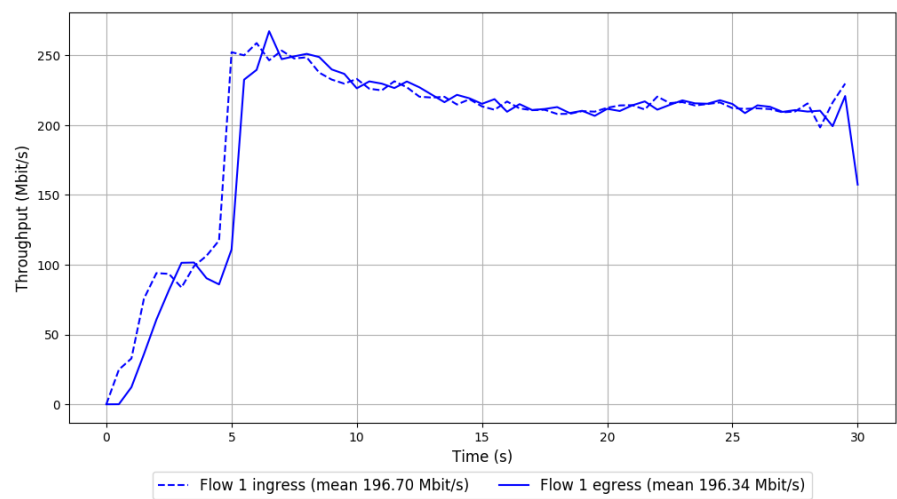


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-11 09:07:17
End at: 2018-07-11 09:07:47
Local clock offset: -0.025 ms
Remote clock offset: 0.037 ms

# Below is generated by plot.py at 2018-07-11 14:09:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 196.34 Mbit/s
95th percentile per-packet one-way delay: 136.569 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 196.34 Mbit/s
95th percentile per-packet one-way delay: 136.569 ms
Loss rate: 1.10%
```

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

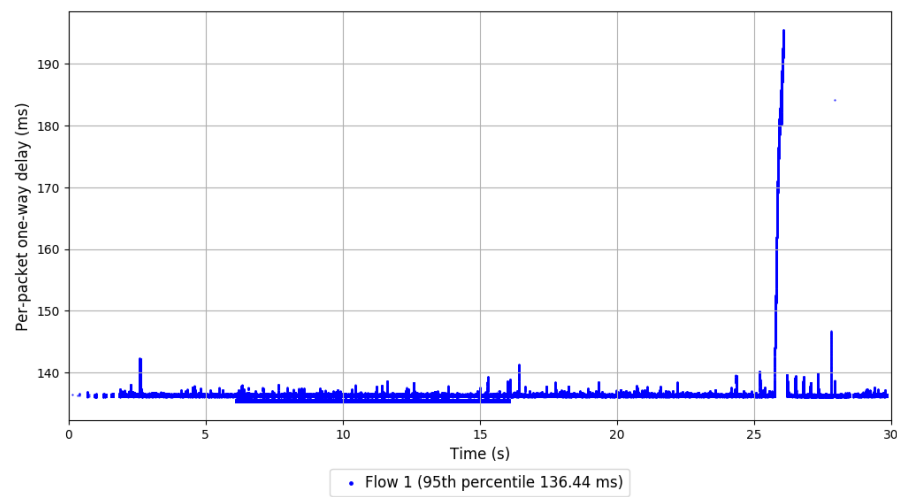
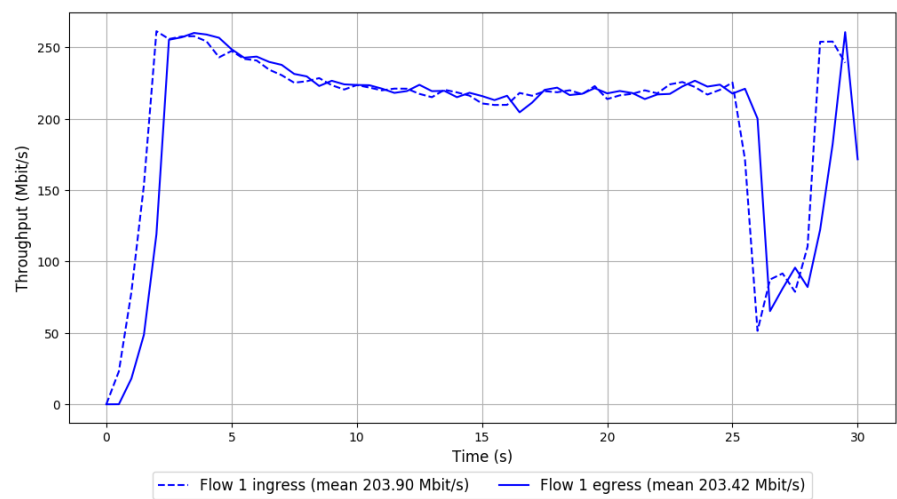


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-11 09:30:17
End at: 2018-07-11 09:30:47
Local clock offset: -0.044 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-11 14:10:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 203.42 Mbit/s
95th percentile per-packet one-way delay: 136.445 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 203.42 Mbit/s
95th percentile per-packet one-way delay: 136.445 ms
Loss rate: 1.14%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-11 09:53:22

End at: 2018-07-11 09:53:53

Local clock offset: -0.284 ms

Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-11 14:11:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 208.56 Mbit/s

95th percentile per-packet one-way delay: 136.032 ms

Loss rate: 0.99%

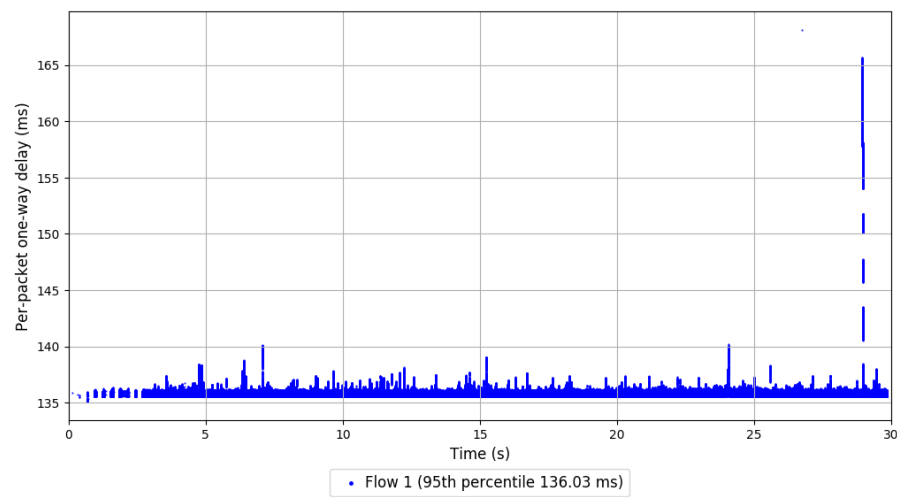
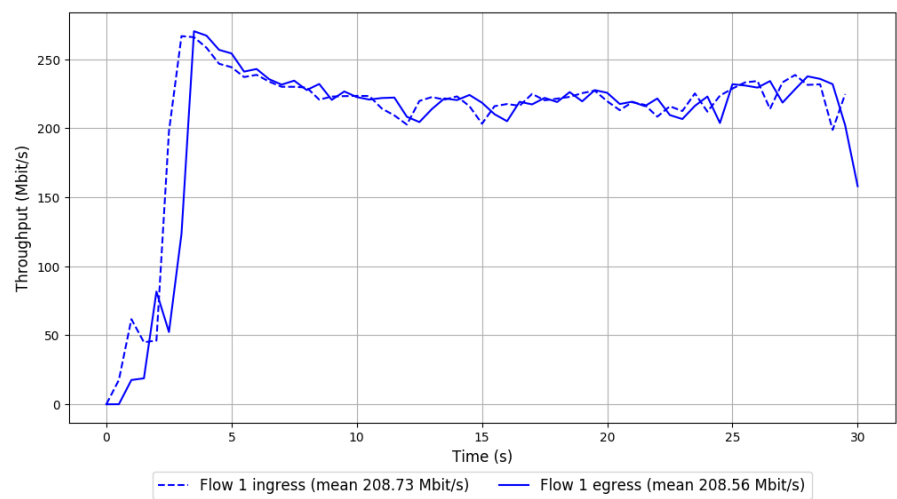
-- Flow 1:

Average throughput: 208.56 Mbit/s

95th percentile per-packet one-way delay: 136.032 ms

Loss rate: 0.99%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-11 10:15:56

End at: 2018-07-11 10:16:26

Local clock offset: 0.021 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-11 14:11:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.37 Mbit/s

95th percentile per-packet one-way delay: 136.351 ms

Loss rate: 0.93%

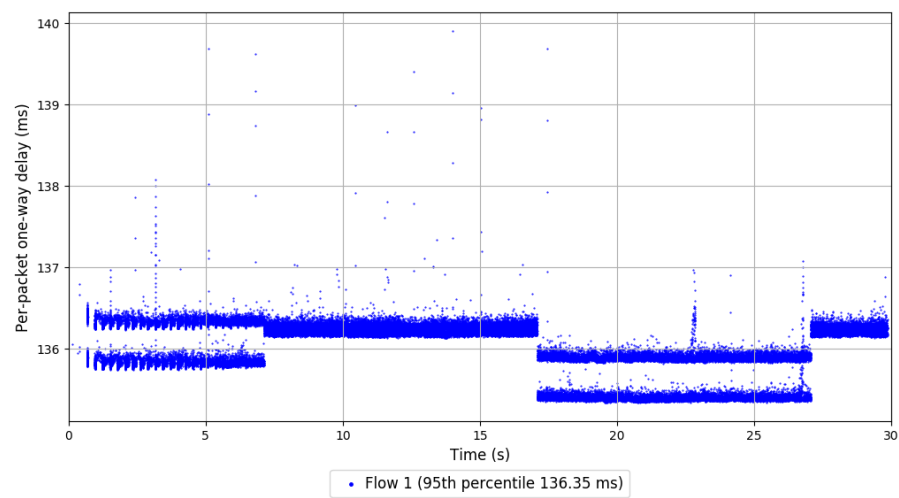
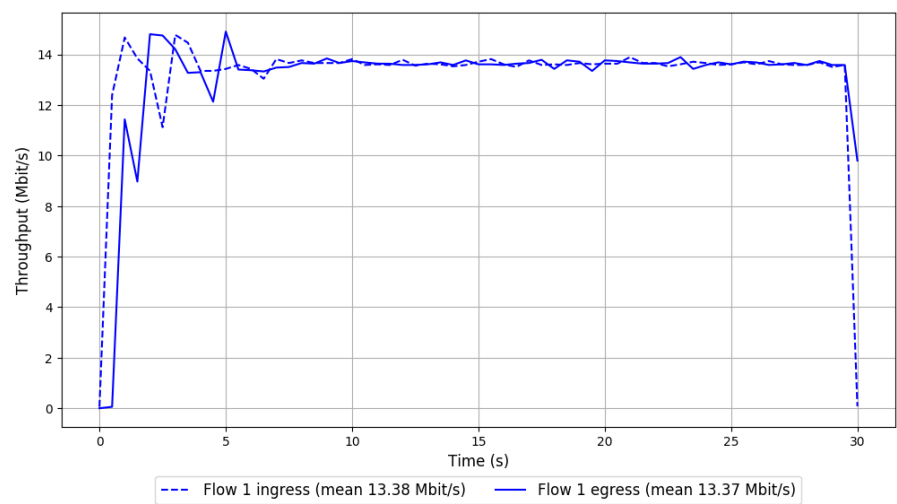
-- Flow 1:

Average throughput: 13.37 Mbit/s

95th percentile per-packet one-way delay: 136.351 ms

Loss rate: 0.93%

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

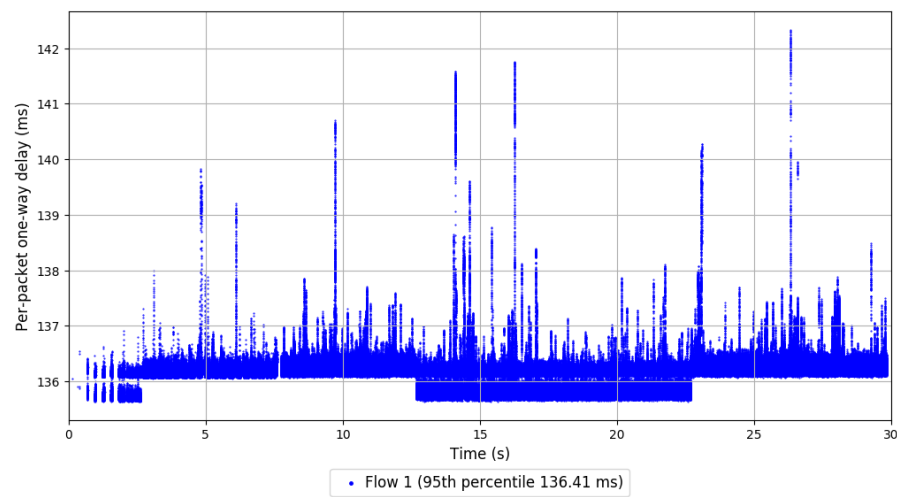
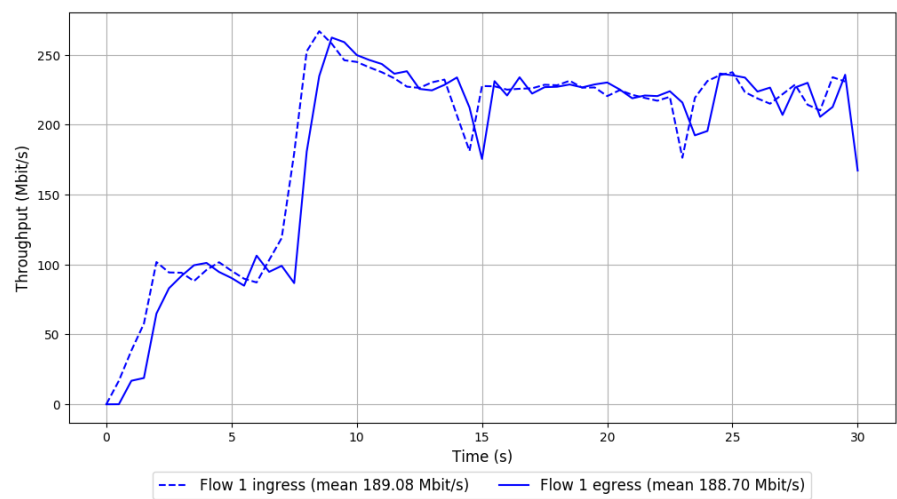


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-11 10:38:21
End at: 2018-07-11 10:38:51
Local clock offset: -0.014 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-11 14:13:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.70 Mbit/s
95th percentile per-packet one-way delay: 136.405 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 188.70 Mbit/s
95th percentile per-packet one-way delay: 136.405 ms
Loss rate: 1.11%

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



Run 6: Statistics of TaoVA-100x

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

End at: 2018-07-11 11:01:36

Local clock offset: 0.136 ms

Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-11 14:14:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.98 Mbit/s

95th percentile per-packet one-way delay: 136.645 ms

Loss rate: 0.93%

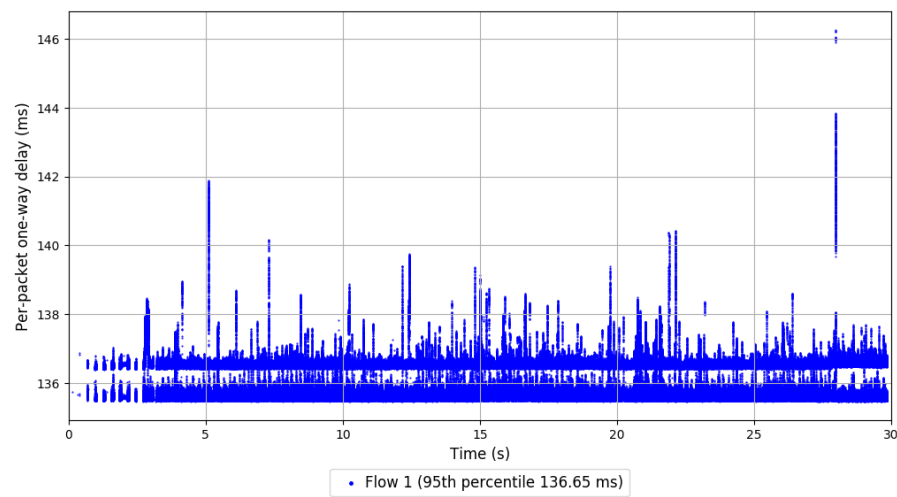
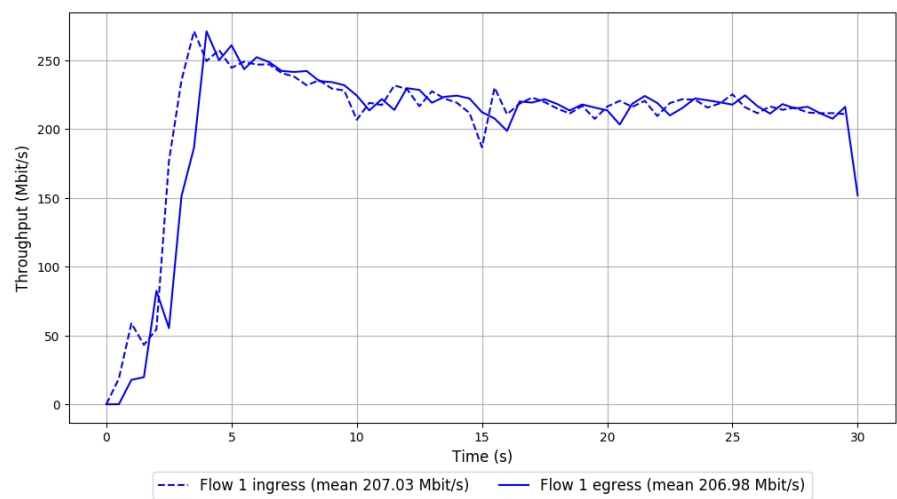
-- Flow 1:

Average throughput: 206.98 Mbit/s

95th percentile per-packet one-way delay: 136.645 ms

Loss rate: 0.93%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-11 11:23:46

End at: 2018-07-11 11:24:16

Local clock offset: -0.016 ms

Remote clock offset: -0.43 ms

Below is generated by plot.py at 2018-07-11 14:14:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 158.77 Mbit/s

95th percentile per-packet one-way delay: 136.766 ms

Loss rate: 1.33%

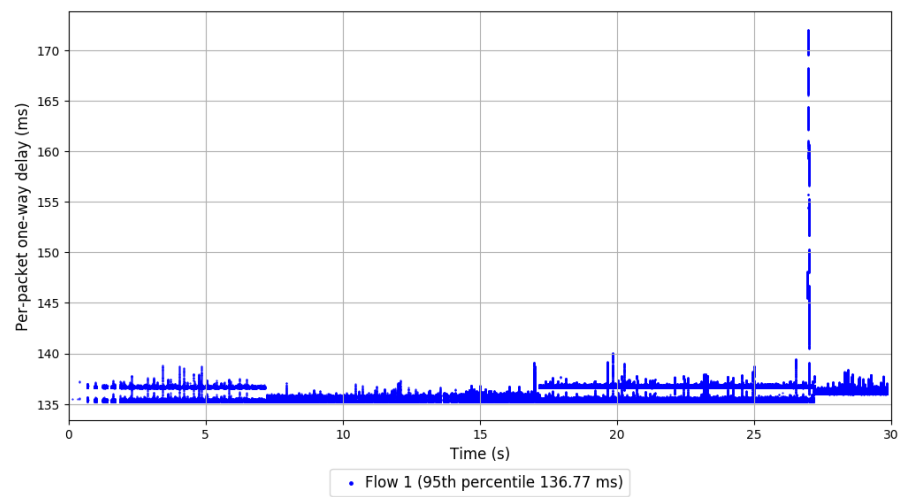
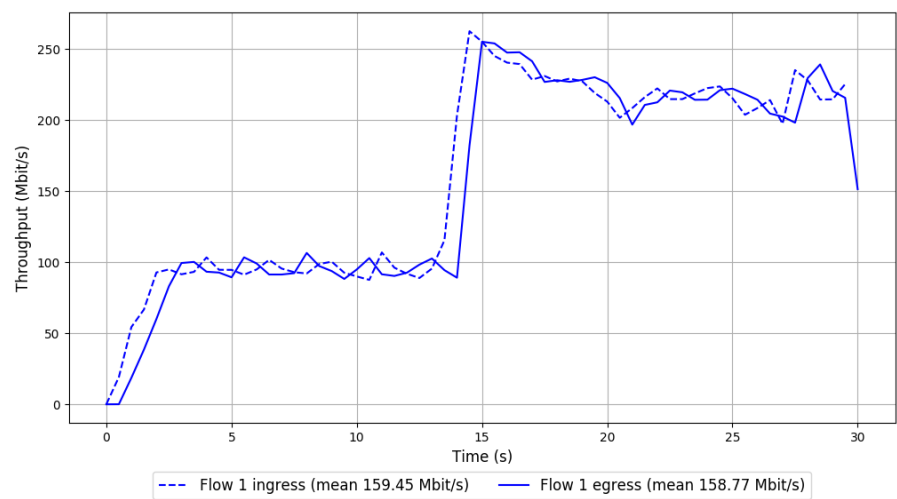
-- Flow 1:

Average throughput: 158.77 Mbit/s

95th percentile per-packet one-way delay: 136.766 ms

Loss rate: 1.33%

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

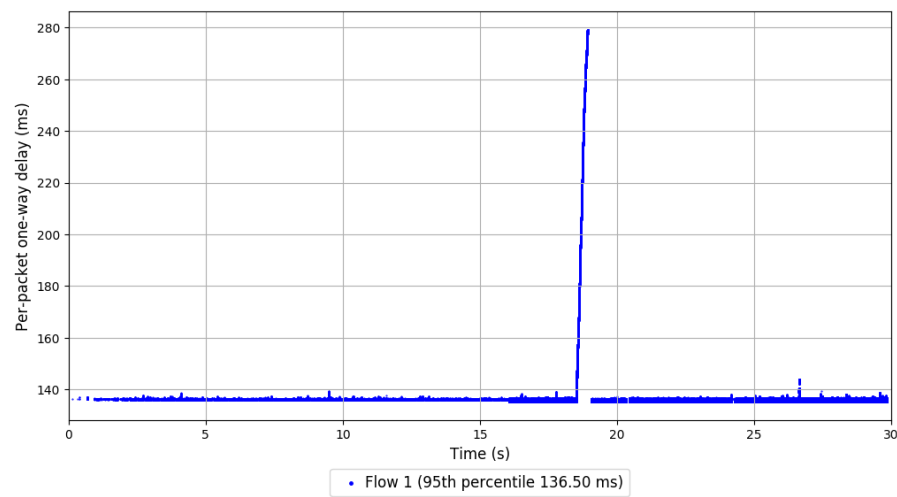
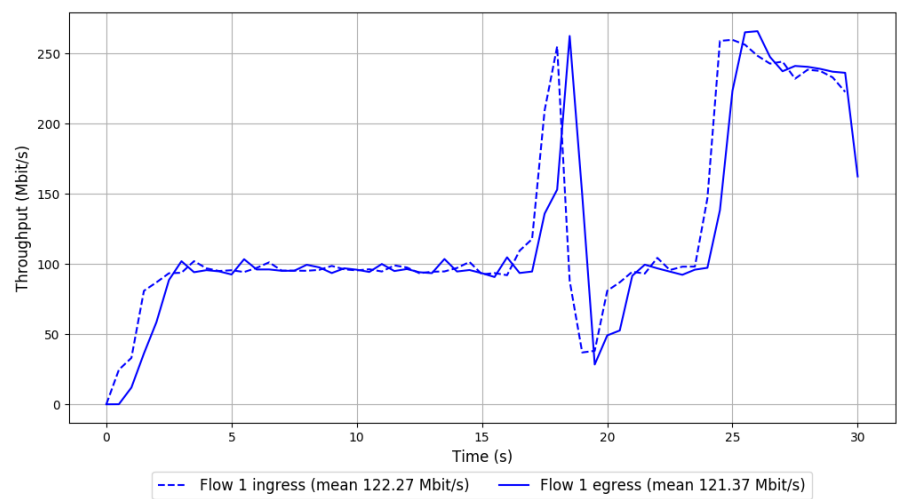


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-11 11:46:47
End at: 2018-07-11 11:47:17
Local clock offset: -0.071 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-11 14:14:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 121.37 Mbit/s
95th percentile per-packet one-way delay: 136.499 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 121.37 Mbit/s
95th percentile per-packet one-way delay: 136.499 ms
Loss rate: 1.63%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-11 12:09:37

End at: 2018-07-11 12:10:07

Local clock offset: 0.021 ms

Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-07-11 14:14:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.05 Mbit/s

95th percentile per-packet one-way delay: 136.187 ms

Loss rate: 0.94%

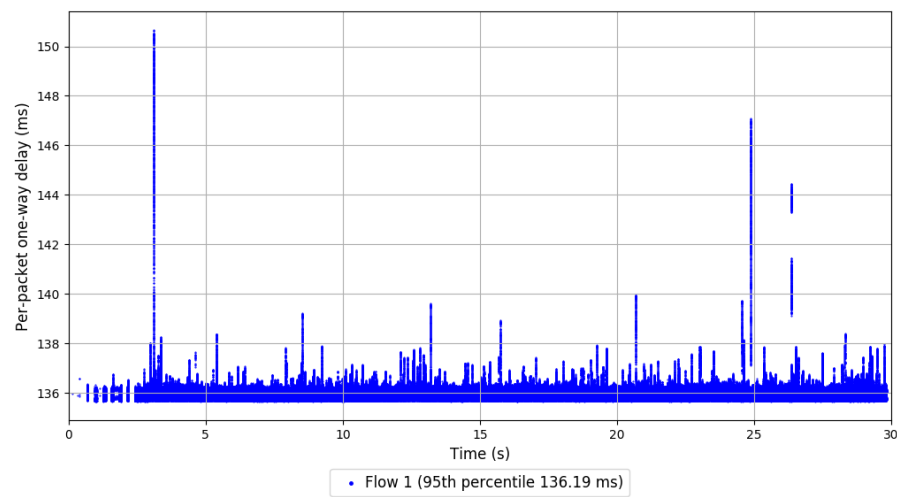
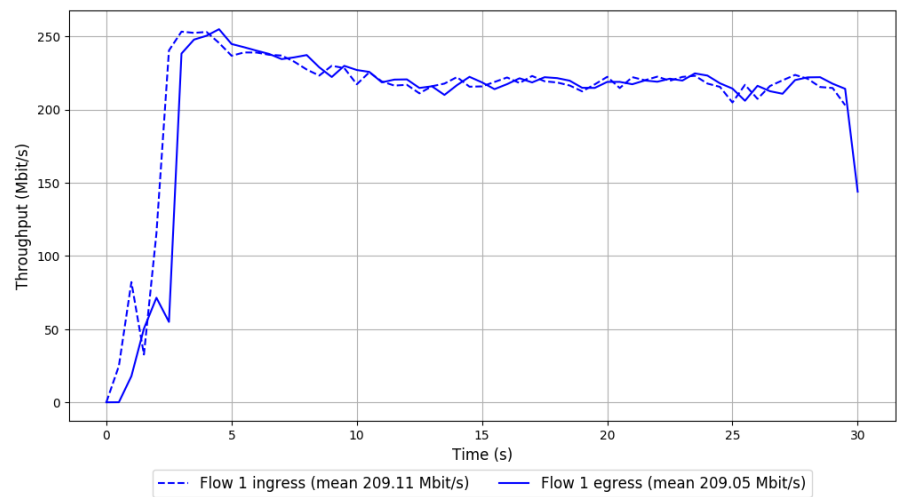
-- Flow 1:

Average throughput: 209.05 Mbit/s

95th percentile per-packet one-way delay: 136.187 ms

Loss rate: 0.94%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-11 12:32:44

End at: 2018-07-11 12:33:14

Local clock offset: -0.017 ms

Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-07-11 14:16:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.86 Mbit/s

95th percentile per-packet one-way delay: 136.188 ms

Loss rate: 0.98%

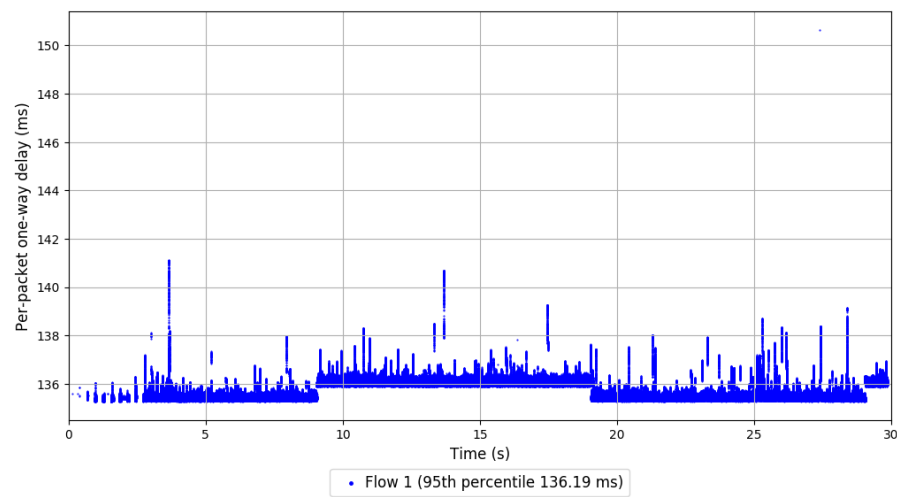
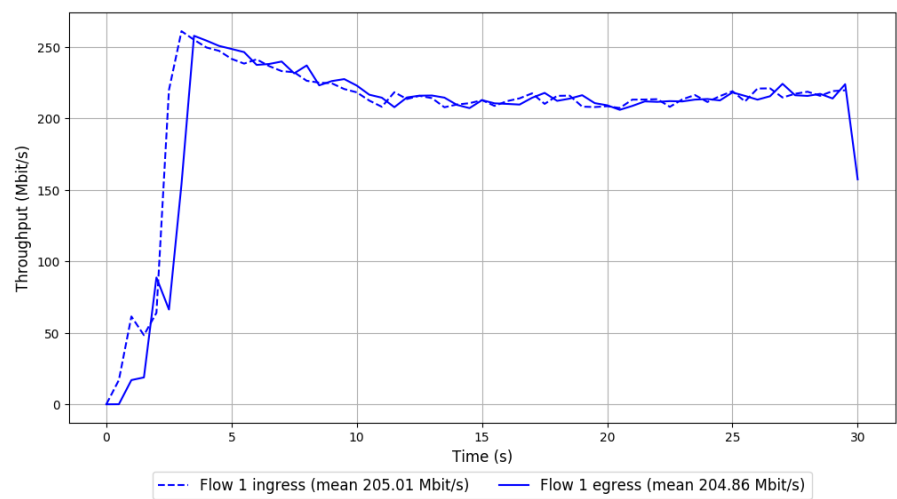
-- Flow 1:

Average throughput: 204.86 Mbit/s

95th percentile per-packet one-way delay: 136.188 ms

Loss rate: 0.98%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-11 09:02:14

End at: 2018-07-11 09:02:44

Local clock offset: 0.114 ms

Remote clock offset: 0.343 ms

Below is generated by plot.py at 2018-07-11 14:16:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.66 Mbit/s

95th percentile per-packet one-way delay: 137.797 ms

Loss rate: 0.97%

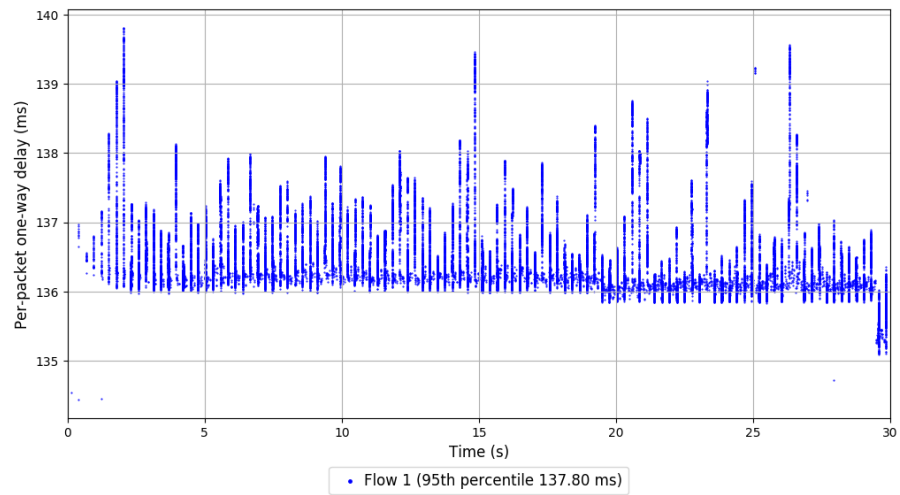
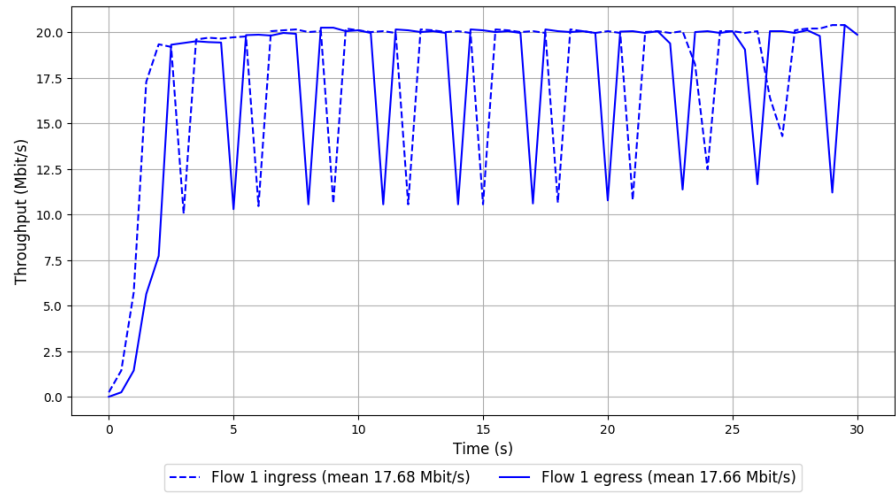
-- Flow 1:

Average throughput: 17.66 Mbit/s

95th percentile per-packet one-way delay: 137.797 ms

Loss rate: 0.97%

Run 1: Report of TCP Vegas — Data Link

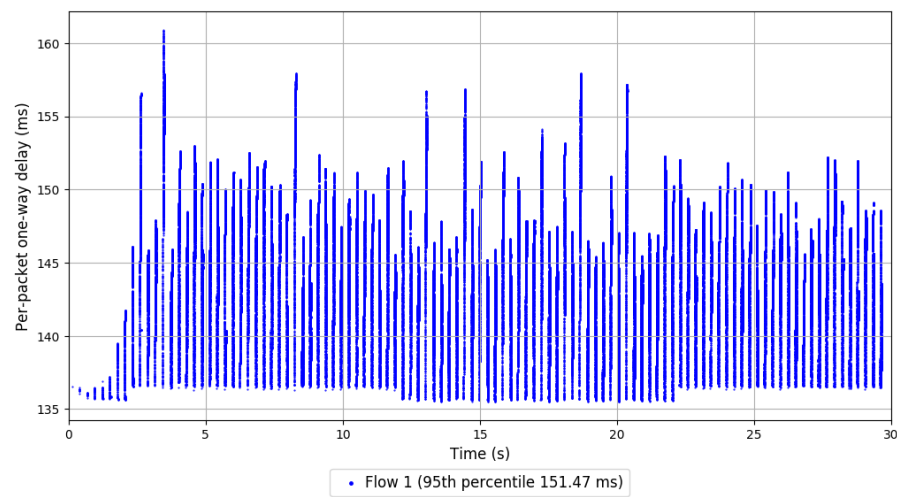
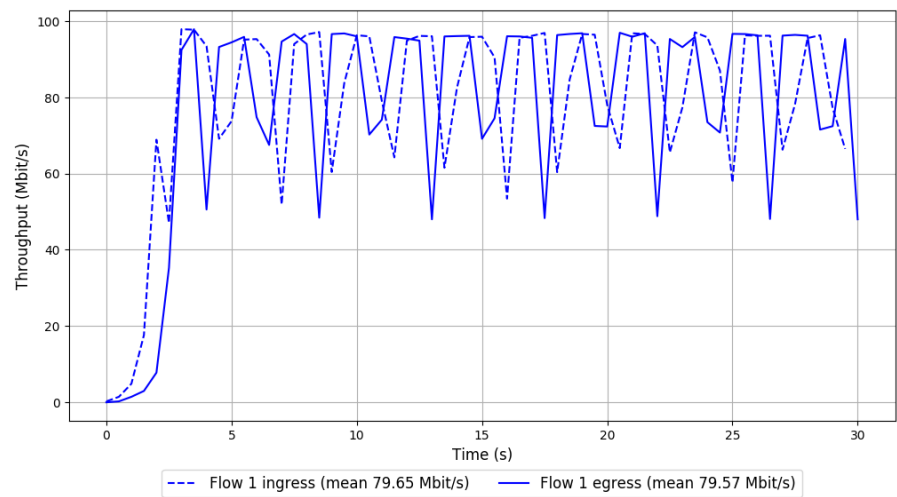


Run 2: Statistics of TCP Vegas

Start at: 2018-07-11 09:25:11
End at: 2018-07-11 09:25:41
Local clock offset: 0.07 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-11 14:16:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.57 Mbit/s
95th percentile per-packet one-way delay: 151.474 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 79.57 Mbit/s
95th percentile per-packet one-way delay: 151.474 ms
Loss rate: 1.02%

Run 2: Report of TCP Vegas — Data Link

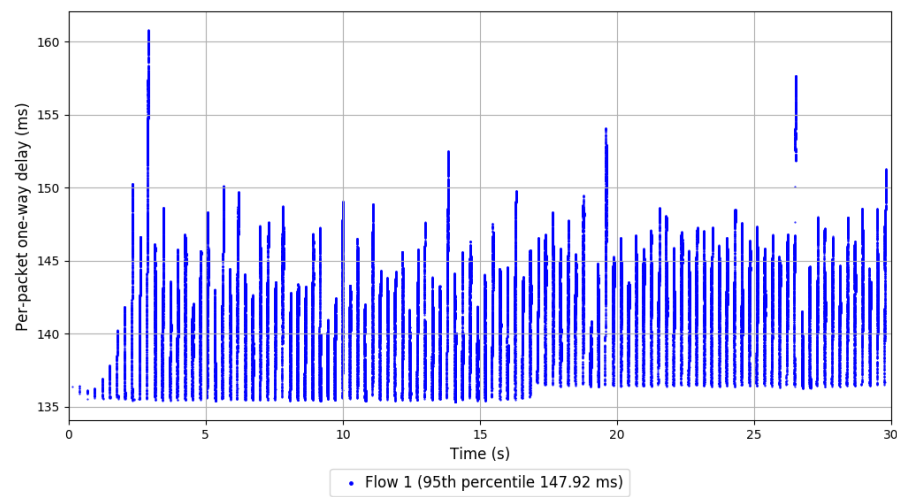
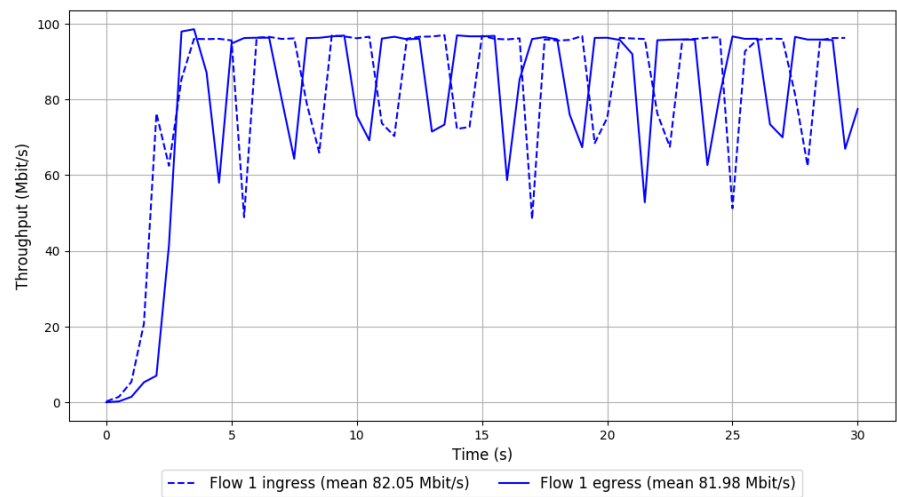


Run 3: Statistics of TCP Vegas

Start at: 2018-07-11 09:48:16
End at: 2018-07-11 09:48:46
Local clock offset: -0.009 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-07-11 14:16:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.98 Mbit/s
95th percentile per-packet one-way delay: 147.920 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 81.98 Mbit/s
95th percentile per-packet one-way delay: 147.920 ms
Loss rate: 0.98%

Run 3: Report of TCP Vegas — Data Link

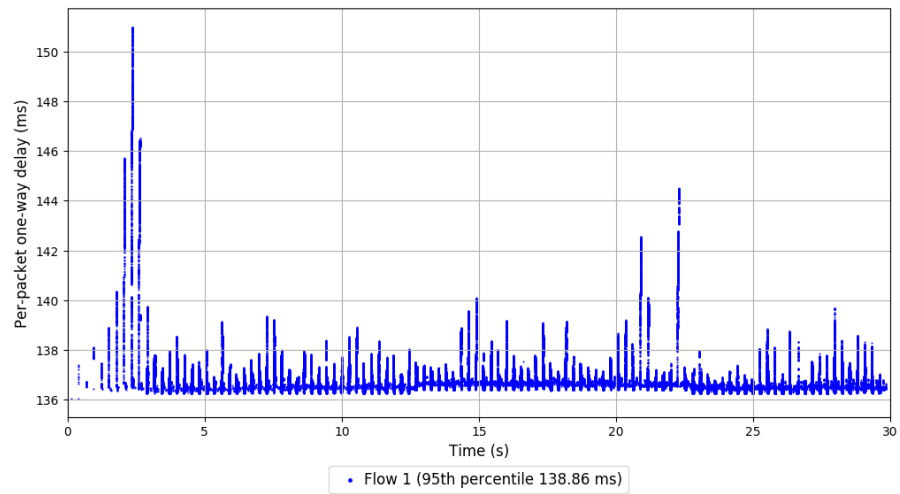
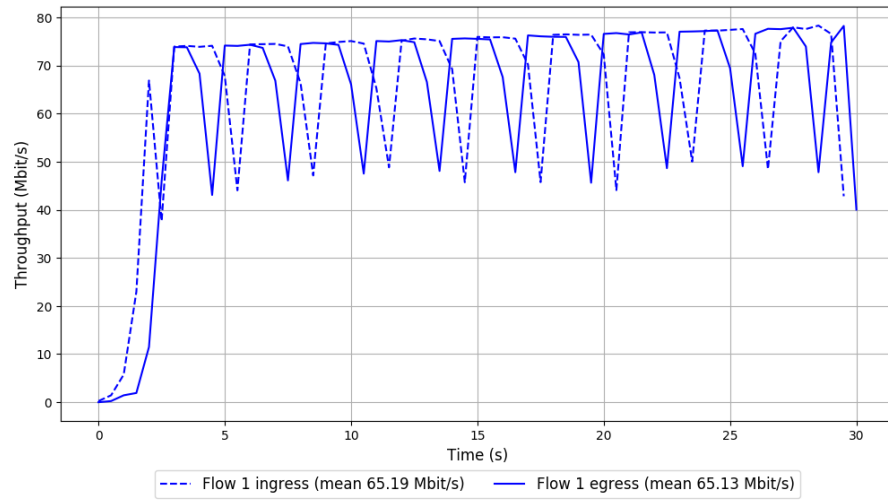


Run 4: Statistics of TCP Vegas

Start at: 2018-07-11 10:11:01
End at: 2018-07-11 10:11:31
Local clock offset: 0.13 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-07-11 14:16:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.13 Mbit/s
95th percentile per-packet one-way delay: 138.856 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 65.13 Mbit/s
95th percentile per-packet one-way delay: 138.856 ms
Loss rate: 1.01%

Run 4: Report of TCP Vegas — Data Link

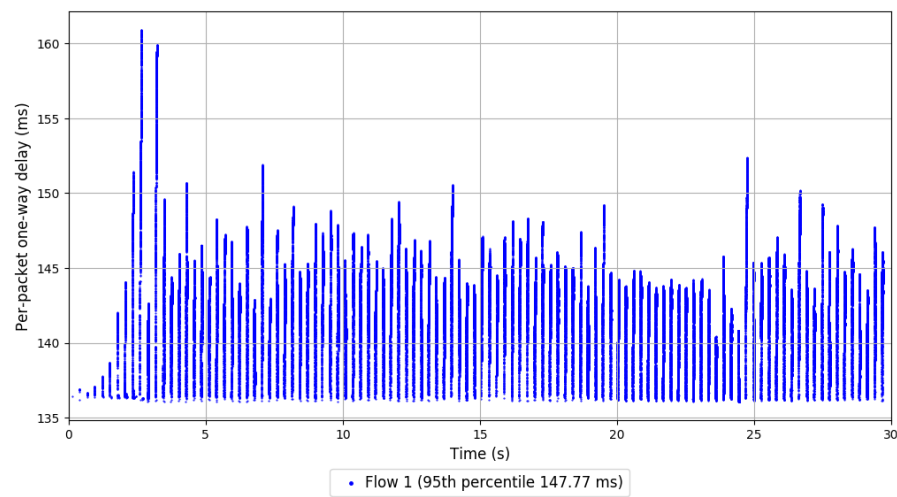
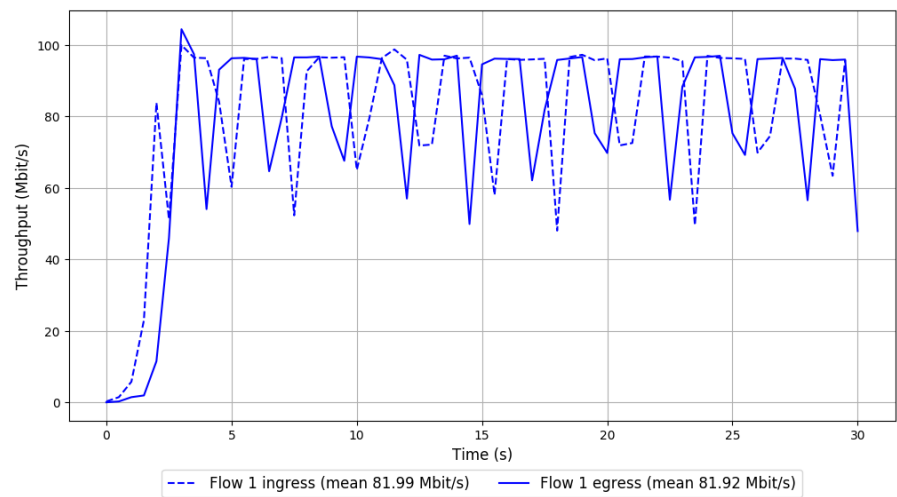


Run 5: Statistics of TCP Vegas

Start at: 2018-07-11 10:33:14
End at: 2018-07-11 10:33:44
Local clock offset: -0.109 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-11 14:16:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.92 Mbit/s
95th percentile per-packet one-way delay: 147.771 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 81.92 Mbit/s
95th percentile per-packet one-way delay: 147.771 ms
Loss rate: 0.98%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-11 10:55:57

End at: 2018-07-11 10:56:27

Local clock offset: 0.079 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-07-11 14:16:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.26 Mbit/s

95th percentile per-packet one-way delay: 147.239 ms

Loss rate: 0.98%

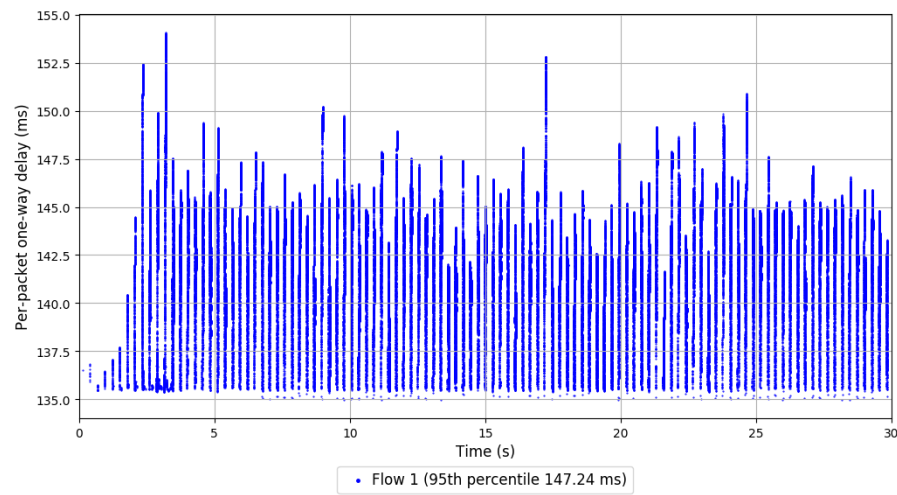
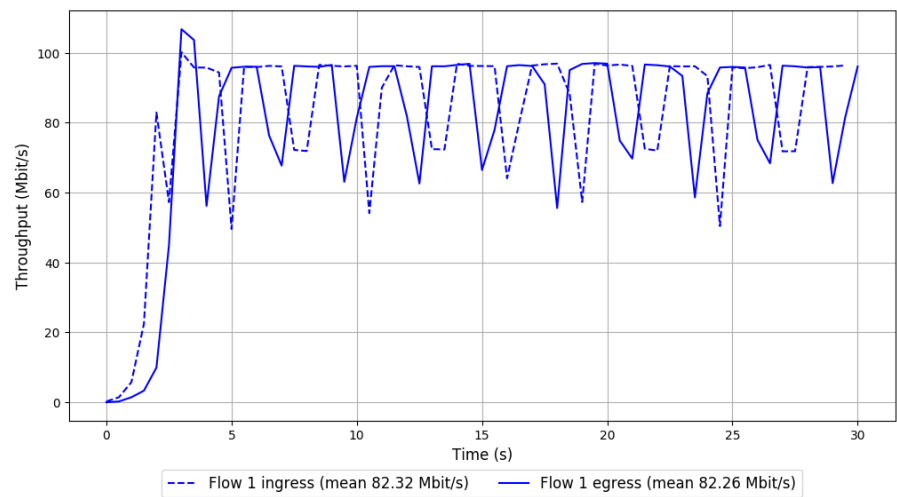
-- Flow 1:

Average throughput: 82.26 Mbit/s

95th percentile per-packet one-way delay: 147.239 ms

Loss rate: 0.98%

Run 6: Report of TCP Vegas — Data Link

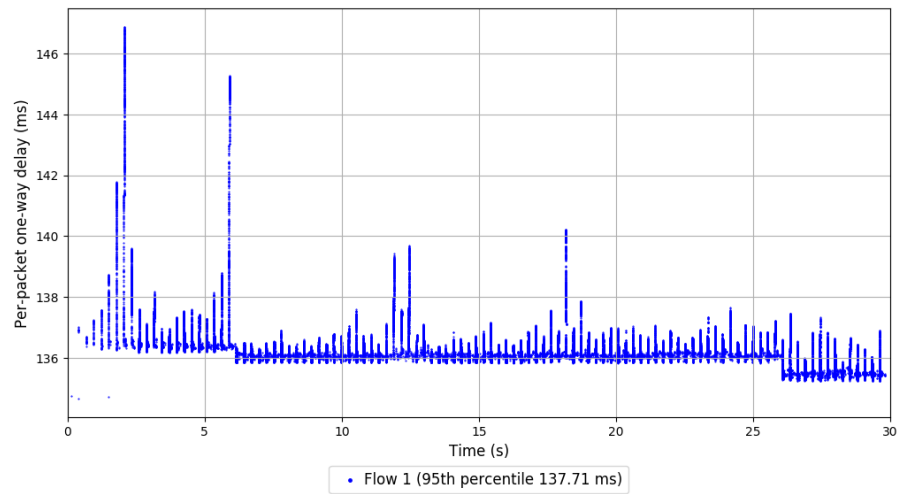
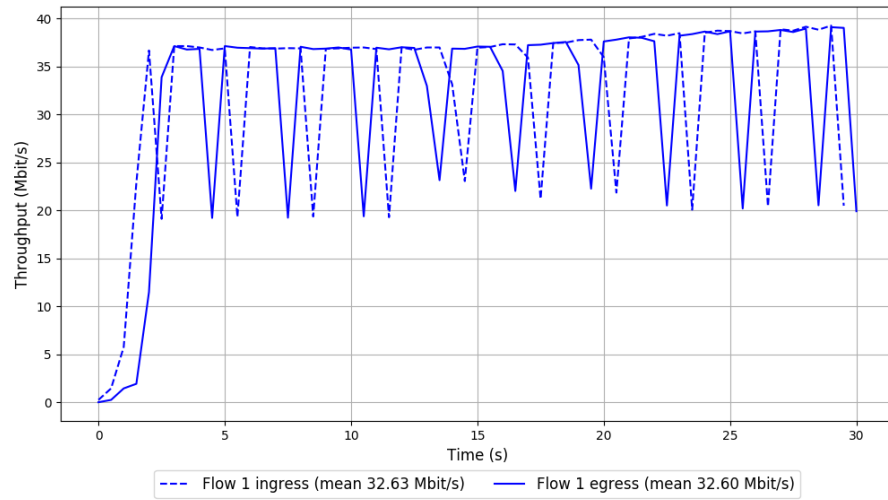


Run 7: Statistics of TCP Vegas

Start at: 2018-07-11 11:18:47
End at: 2018-07-11 11:19:17
Local clock offset: -0.071 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-11 14:16:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.60 Mbit/s
95th percentile per-packet one-way delay: 137.708 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 32.60 Mbit/s
95th percentile per-packet one-way delay: 137.708 ms
Loss rate: 1.01%

Run 7: Report of TCP Vegas — Data Link

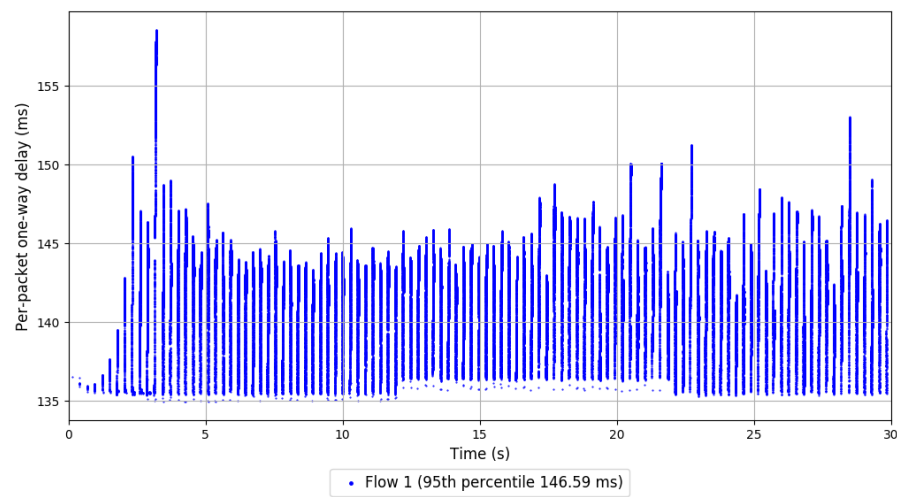
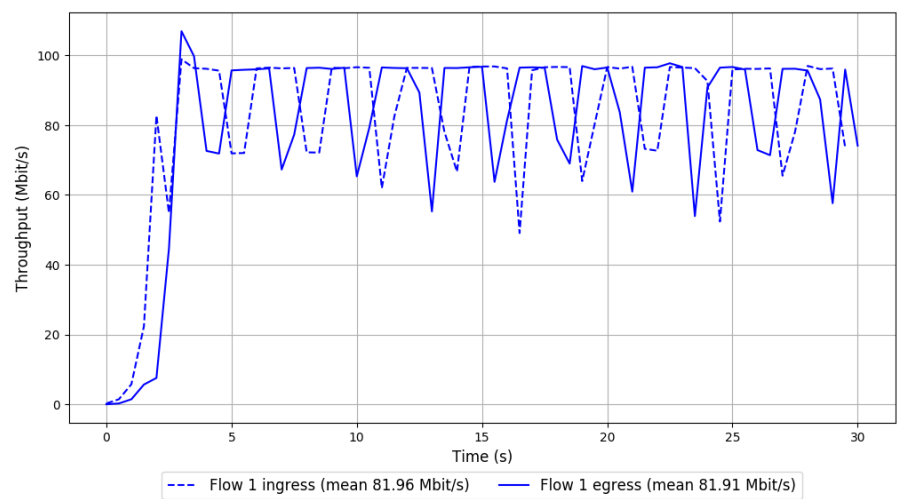


Run 8: Statistics of TCP Vegas

Start at: 2018-07-11 11:41:41
End at: 2018-07-11 11:42:12
Local clock offset: -0.117 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-07-11 14:16:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.91 Mbit/s
95th percentile per-packet one-way delay: 146.587 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 81.91 Mbit/s
95th percentile per-packet one-way delay: 146.587 ms
Loss rate: 0.97%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-11 12:04:40

End at: 2018-07-11 12:05:10

Local clock offset: -0.192 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-11 14:16:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.09 Mbit/s

95th percentile per-packet one-way delay: 148.204 ms

Loss rate: 0.98%

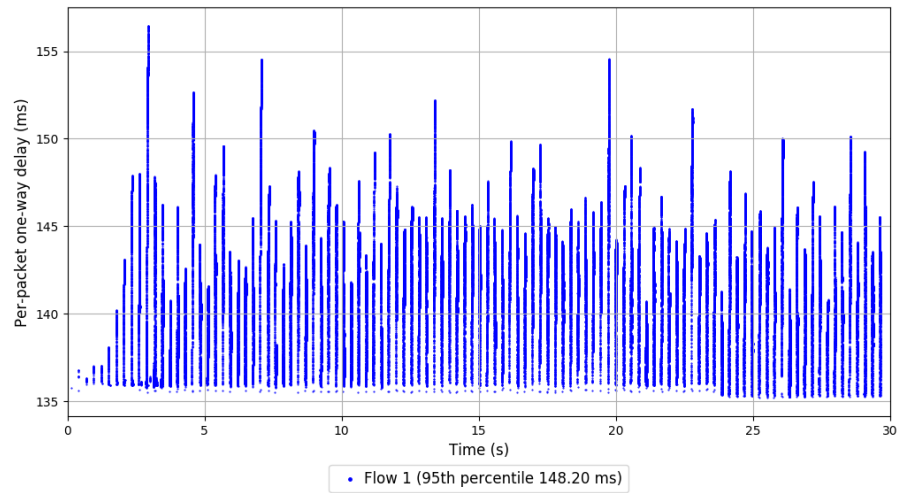
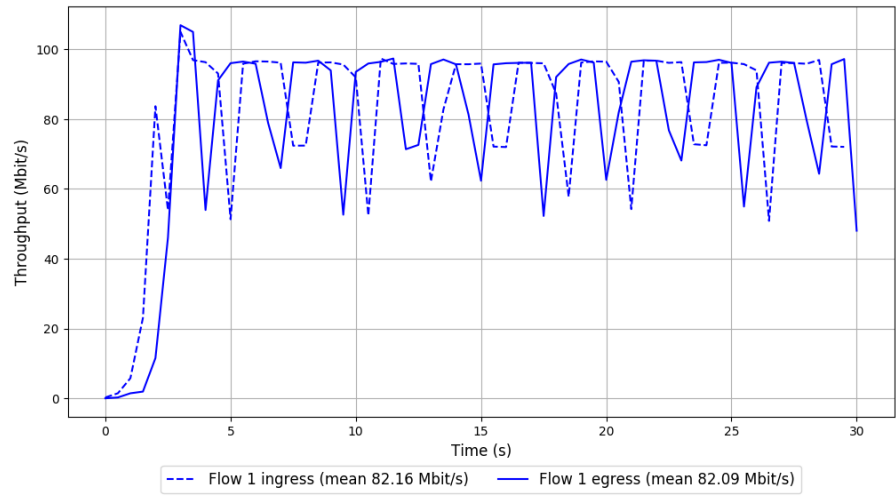
-- Flow 1:

Average throughput: 82.09 Mbit/s

95th percentile per-packet one-way delay: 148.204 ms

Loss rate: 0.98%

Run 9: Report of TCP Vegas — Data Link

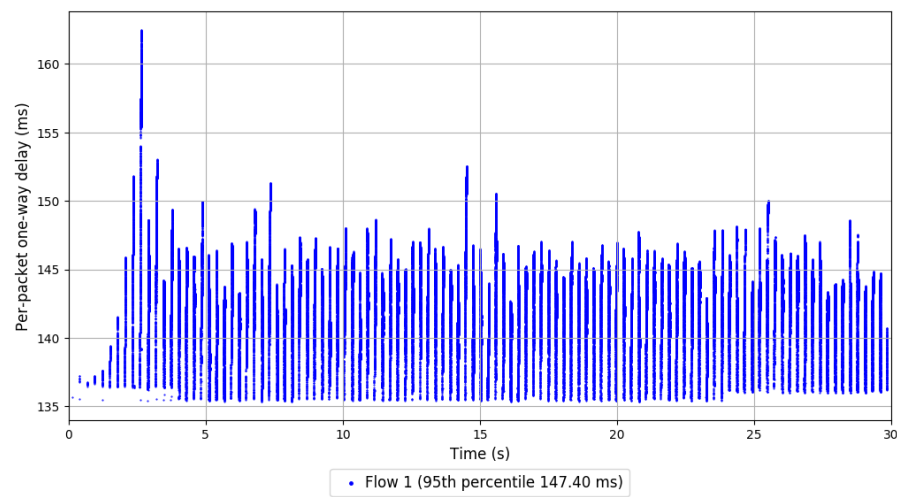
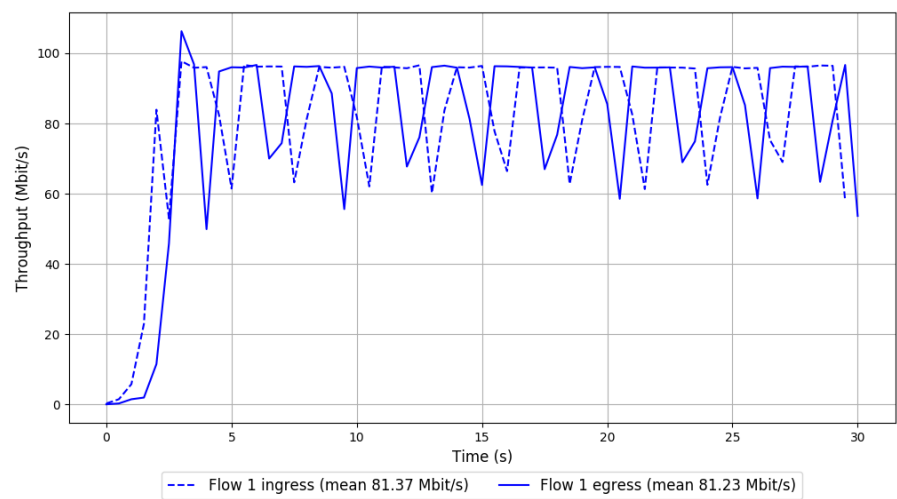


Run 10: Statistics of TCP Vegas

Start at: 2018-07-11 12:27:40
End at: 2018-07-11 12:28:10
Local clock offset: -0.013 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-07-11 14:16:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.23 Mbit/s
95th percentile per-packet one-way delay: 147.404 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 81.23 Mbit/s
95th percentile per-packet one-way delay: 147.404 ms
Loss rate: 1.07%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-11 08:58:31

End at: 2018-07-11 08:59:01

Local clock offset: -0.063 ms

Remote clock offset: 0.312 ms

Below is generated by plot.py at 2018-07-11 14:16:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 160.94 Mbit/s

95th percentile per-packet one-way delay: 285.925 ms

Loss rate: 3.08%

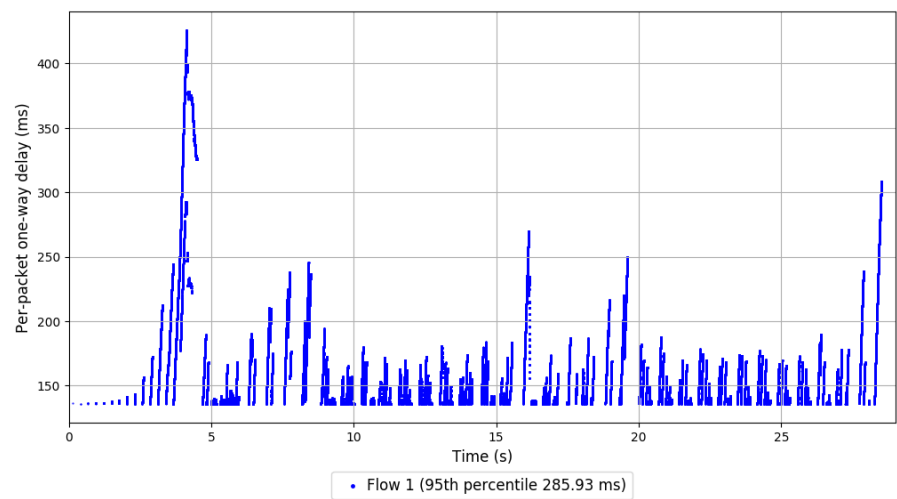
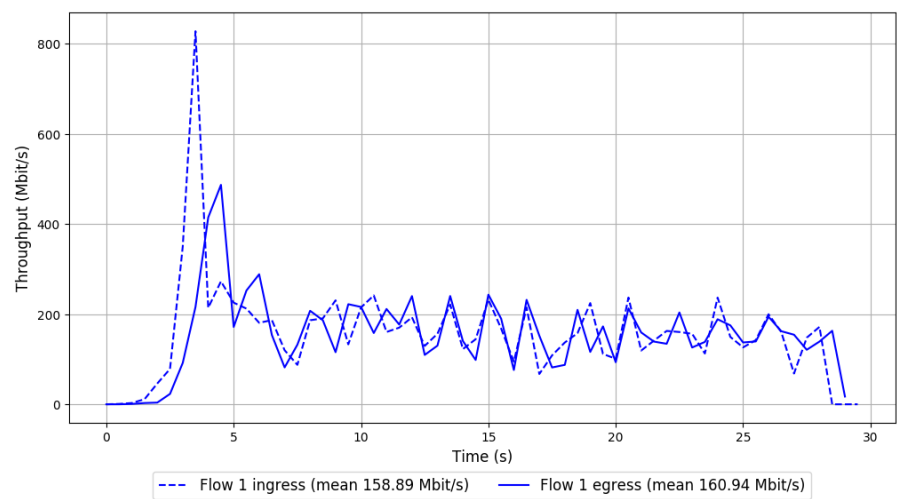
-- Flow 1:

Average throughput: 160.94 Mbit/s

95th percentile per-packet one-way delay: 285.925 ms

Loss rate: 3.08%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-07-11 09:21:24

End at: 2018-07-11 09:21:54

Local clock offset: -0.089 ms

Remote clock offset: 0.338 ms

Below is generated by plot.py at 2018-07-11 14:18:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 227.33 Mbit/s

95th percentile per-packet one-way delay: 231.162 ms

Loss rate: 1.58%

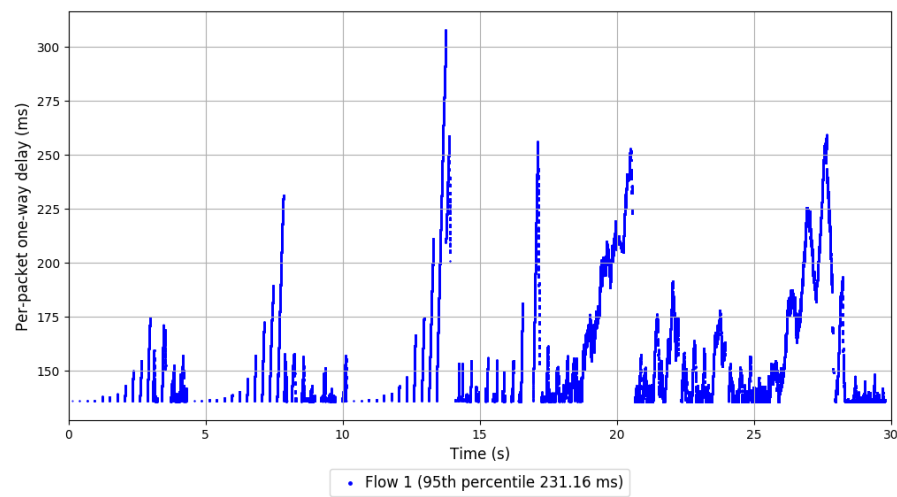
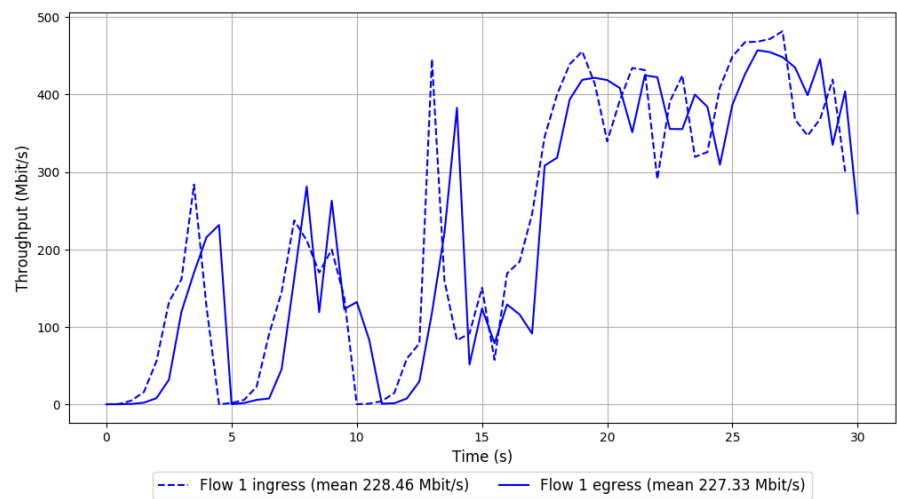
-- Flow 1:

Average throughput: 227.33 Mbit/s

95th percentile per-packet one-way delay: 231.162 ms

Loss rate: 1.58%

Run 2: Report of Verus — Data Link

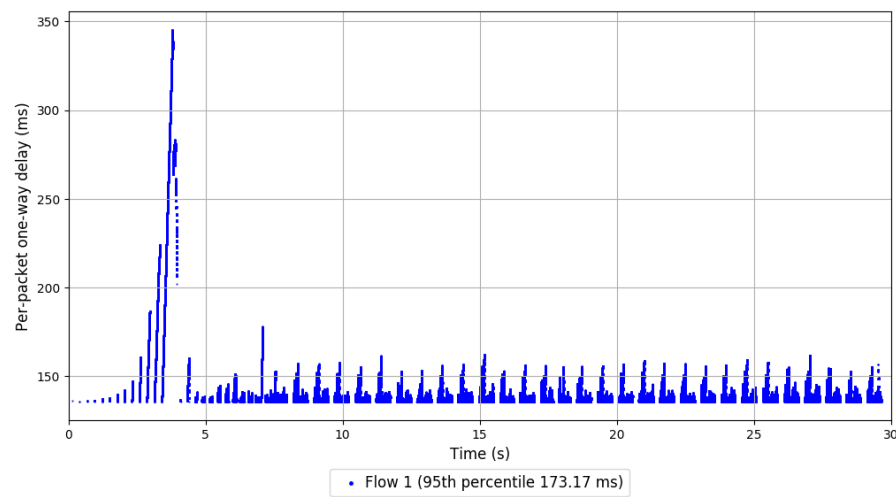
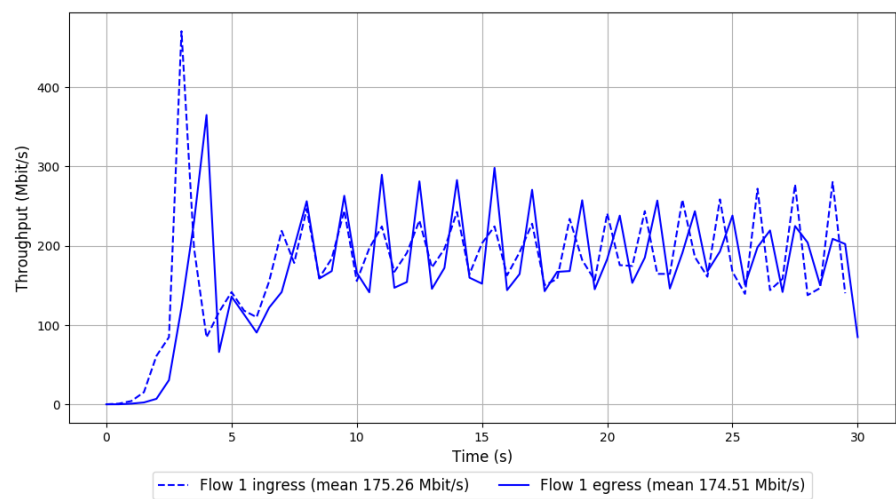


Run 3: Statistics of Verus

Start at: 2018-07-11 09:44:33
End at: 2018-07-11 09:45:03
Local clock offset: -0.079 ms
Remote clock offset: -0.452 ms

Below is generated by plot.py at 2018-07-11 14:18:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 174.51 Mbit/s
95th percentile per-packet one-way delay: 173.170 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 174.51 Mbit/s
95th percentile per-packet one-way delay: 173.170 ms
Loss rate: 2.02%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-11 10:07:16

End at: 2018-07-11 10:07:46

Local clock offset: 0.124 ms

Remote clock offset: 0.262 ms

Below is generated by plot.py at 2018-07-11 14:18:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.60 Mbit/s

95th percentile per-packet one-way delay: 221.975 ms

Loss rate: 3.28%

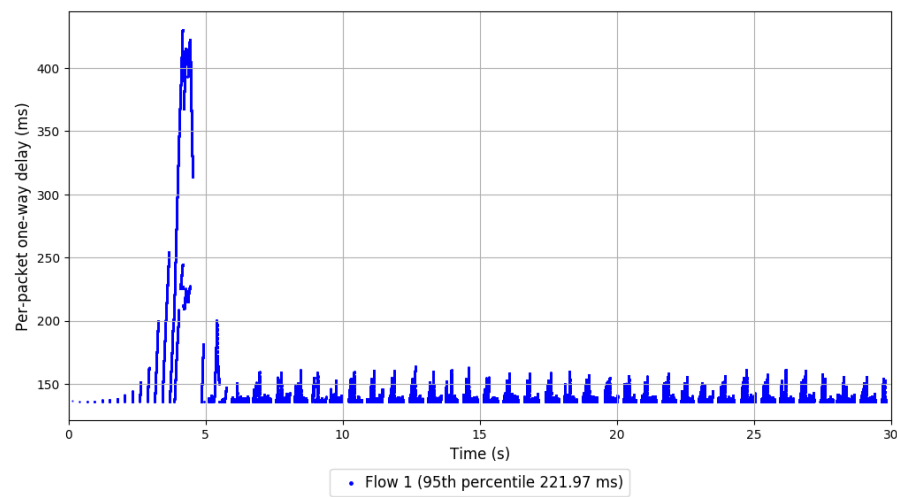
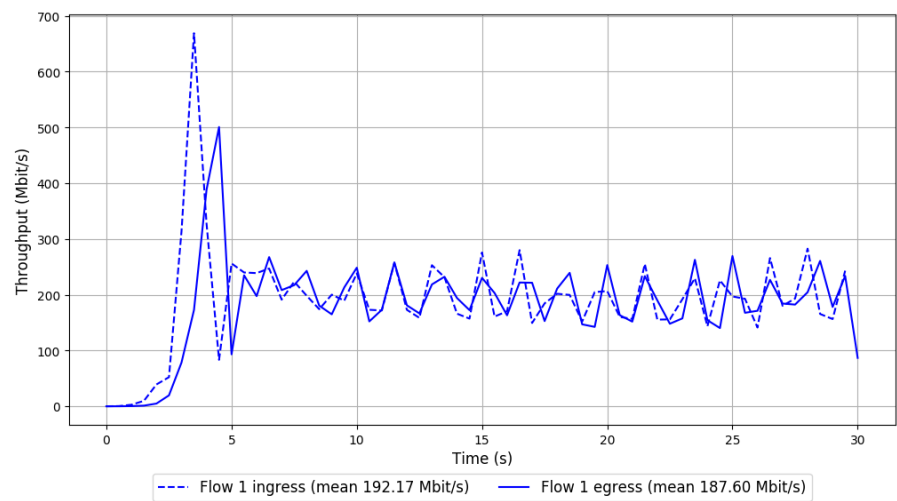
-- Flow 1:

Average throughput: 187.60 Mbit/s

95th percentile per-packet one-way delay: 221.975 ms

Loss rate: 3.28%

Run 4: Report of Verus — Data Link

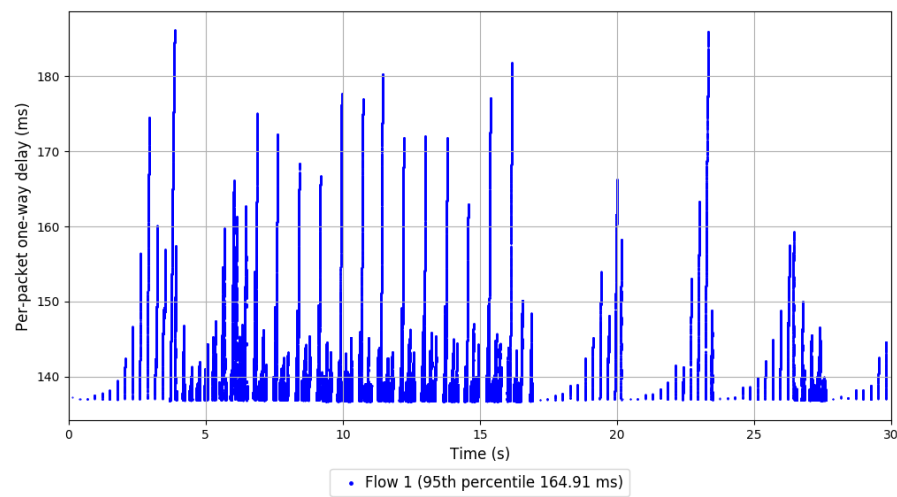
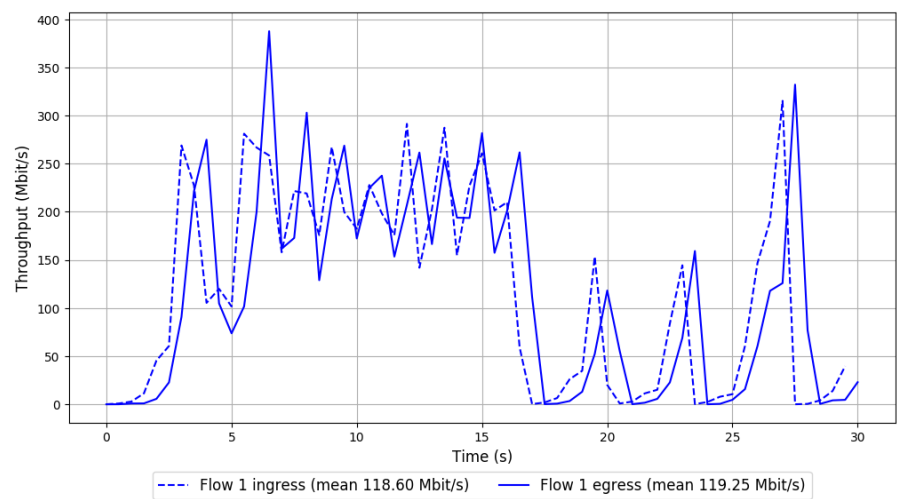


Run 5: Statistics of Verus

Start at: 2018-07-11 10:29:34
End at: 2018-07-11 10:30:04
Local clock offset: 0.183 ms
Remote clock offset: -0.411 ms

Below is generated by plot.py at 2018-07-11 14:18:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 119.25 Mbit/s
95th percentile per-packet one-way delay: 164.914 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 119.25 Mbit/s
95th percentile per-packet one-way delay: 164.914 ms
Loss rate: 0.37%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-11 10:52:13

End at: 2018-07-11 10:52:43

Local clock offset: -0.013 ms

Remote clock offset: 0.325 ms

Below is generated by plot.py at 2018-07-11 14:18:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 167.43 Mbit/s

95th percentile per-packet one-way delay: 224.517 ms

Loss rate: 2.61%

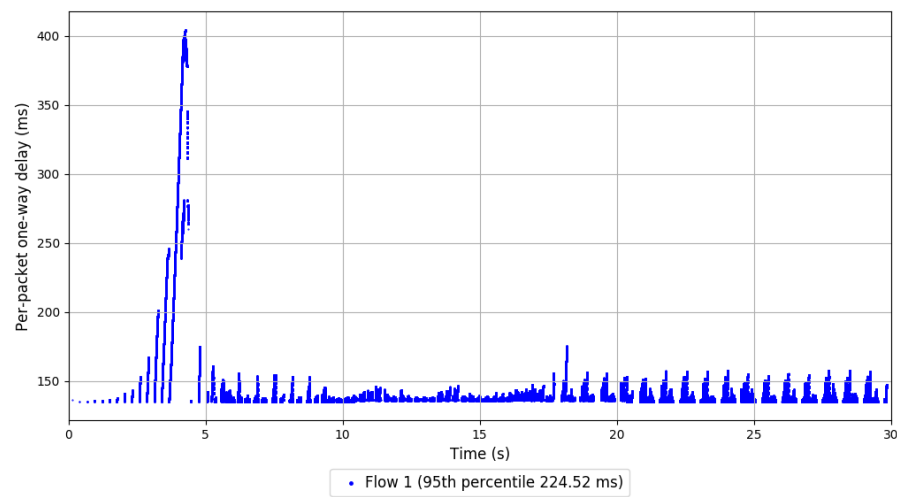
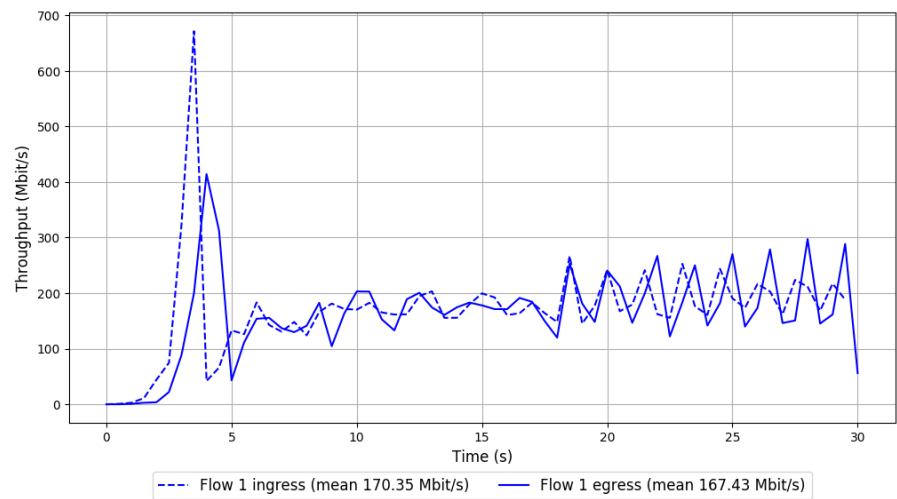
-- Flow 1:

Average throughput: 167.43 Mbit/s

95th percentile per-packet one-way delay: 224.517 ms

Loss rate: 2.61%

Run 6: Report of Verus — Data Link

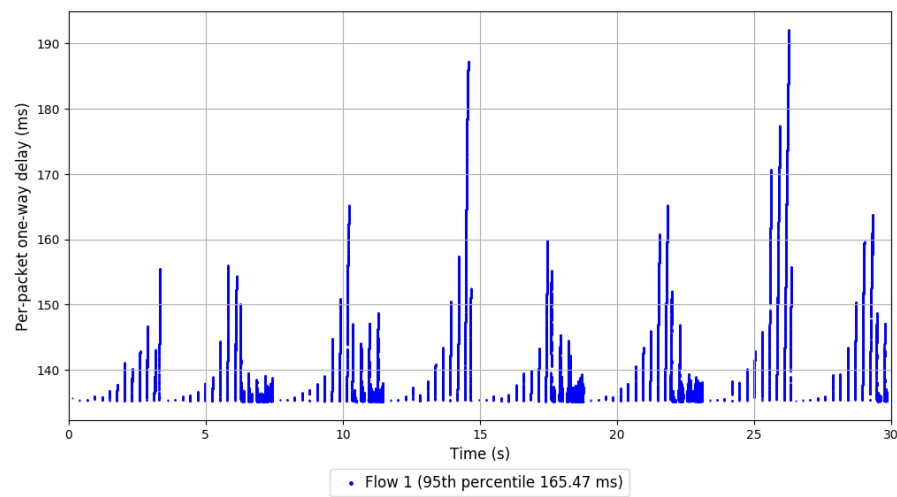
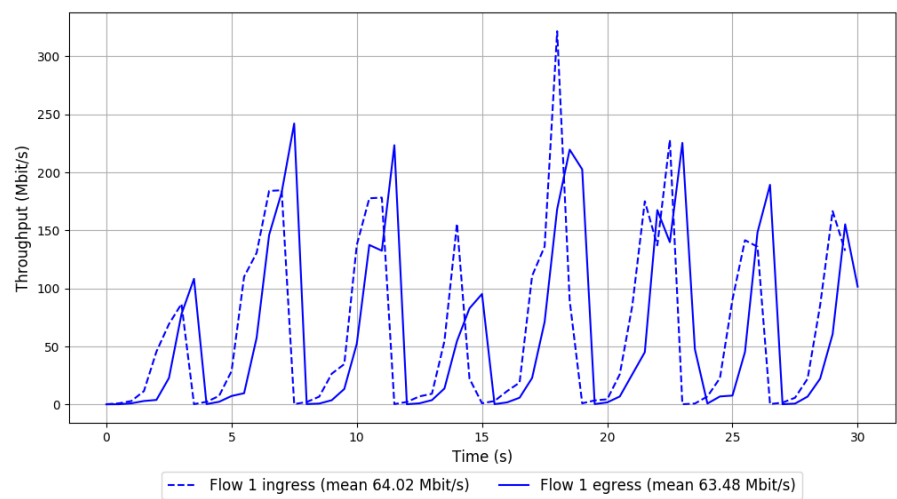


Run 7: Statistics of Verus

Start at: 2018-07-11 11:15:11
End at: 2018-07-11 11:15:41
Local clock offset: -0.212 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-11 14:18:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.48 Mbit/s
95th percentile per-packet one-way delay: 165.465 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 63.48 Mbit/s
95th percentile per-packet one-way delay: 165.465 ms
Loss rate: 1.75%

Run 7: Report of Verus — Data Link

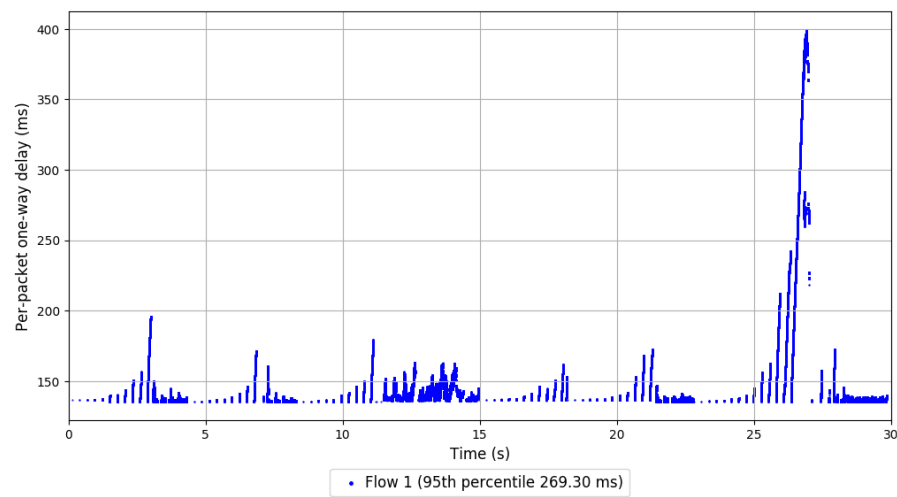
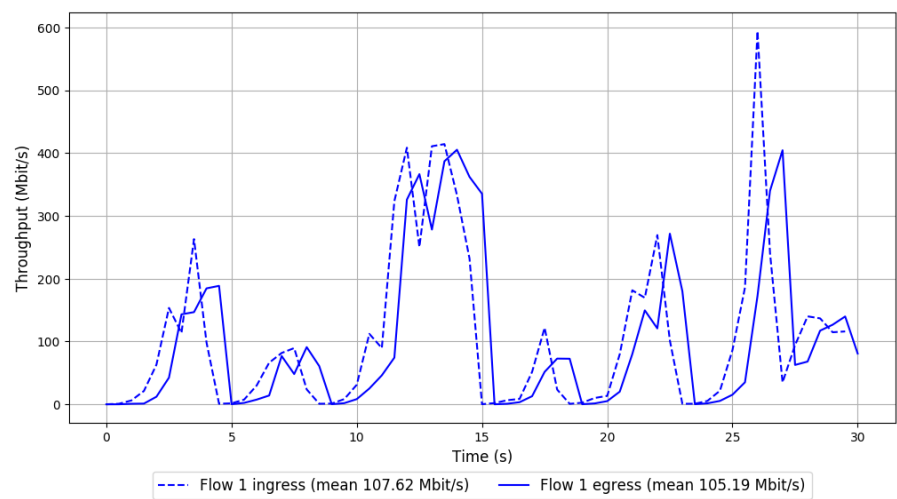


Run 8: Statistics of Verus

Start at: 2018-07-11 11:38:02
End at: 2018-07-11 11:38:32
Local clock offset: 0.018 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-11 14:18:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 105.19 Mbit/s
95th percentile per-packet one-way delay: 269.298 ms
Loss rate: 3.14%
-- Flow 1:
Average throughput: 105.19 Mbit/s
95th percentile per-packet one-way delay: 269.298 ms
Loss rate: 3.14%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-11 12:00:57

End at: 2018-07-11 12:01:27

Local clock offset: -0.096 ms

Remote clock offset: 0.302 ms

Below is generated by plot.py at 2018-07-11 14:19:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 156.68 Mbit/s

95th percentile per-packet one-way delay: 242.590 ms

Loss rate: 1.81%

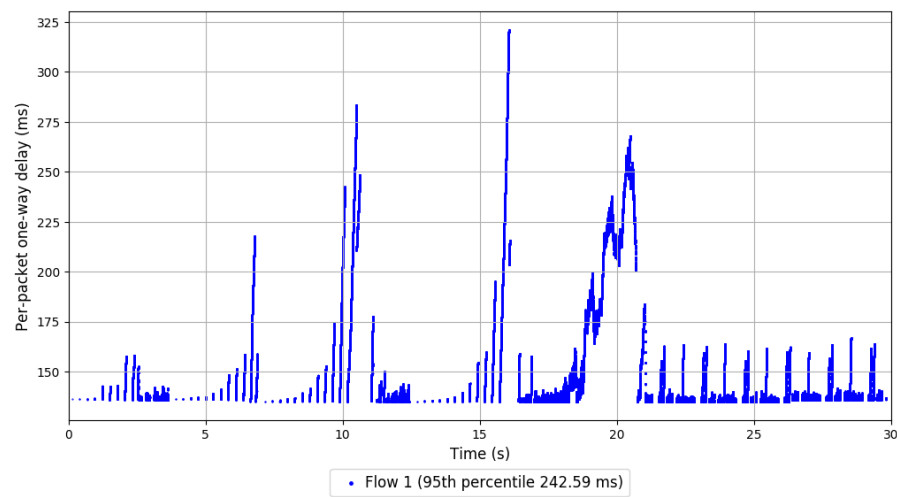
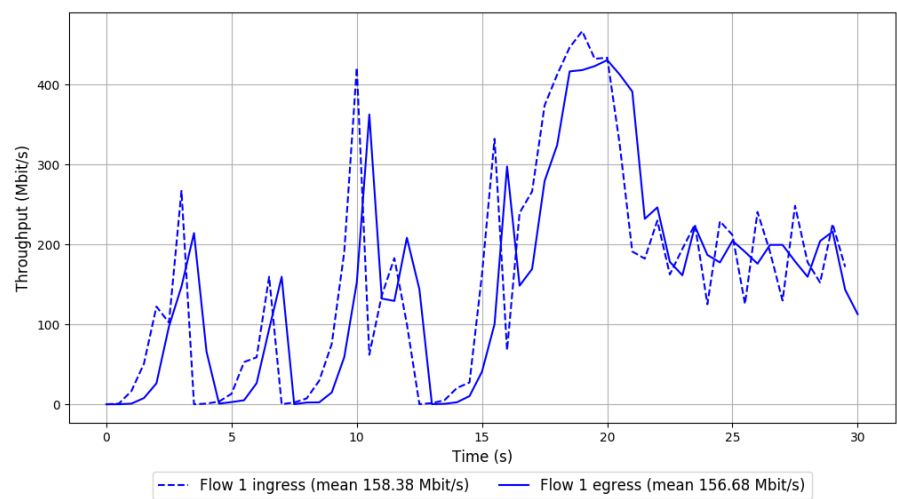
-- Flow 1:

Average throughput: 156.68 Mbit/s

95th percentile per-packet one-way delay: 242.590 ms

Loss rate: 1.81%

Run 9: Report of Verus — Data Link

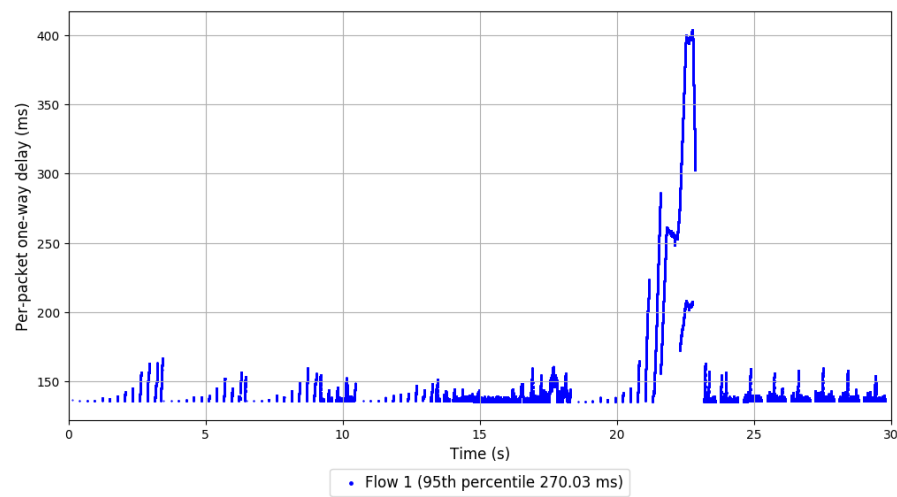
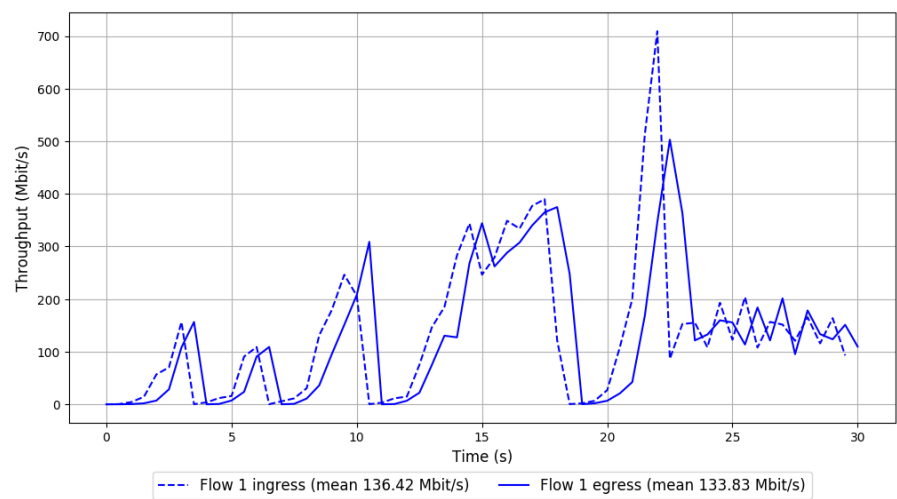


Run 10: Statistics of Verus

Start at: 2018-07-11 12:23:59
End at: 2018-07-11 12:24:29
Local clock offset: 0.214 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-07-11 14:19:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 133.83 Mbit/s
95th percentile per-packet one-way delay: 270.031 ms
Loss rate: 2.80%
-- Flow 1:
Average throughput: 133.83 Mbit/s
95th percentile per-packet one-way delay: 270.031 ms
Loss rate: 2.80%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-11 09:05:43

End at: 2018-07-11 09:06:13

Local clock offset: 0.152 ms

Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-11 14:22:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 331.20 Mbit/s

95th percentile per-packet one-way delay: 142.314 ms

Loss rate: 1.08%

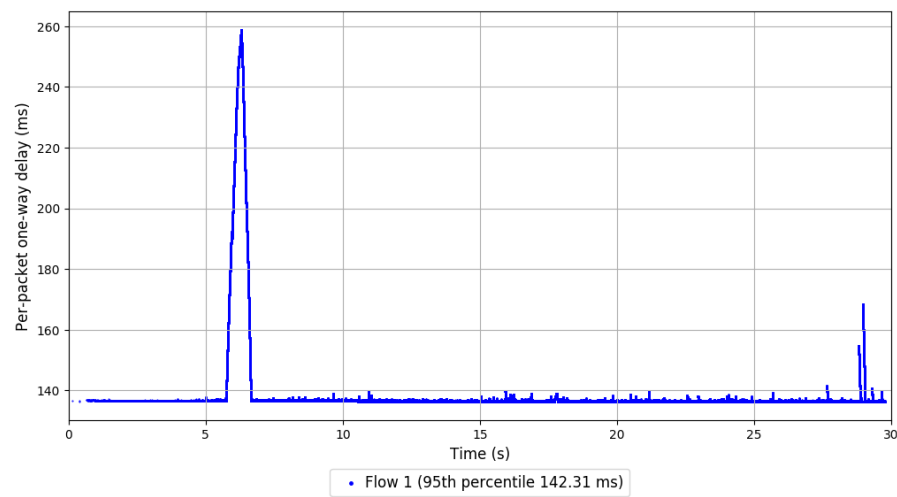
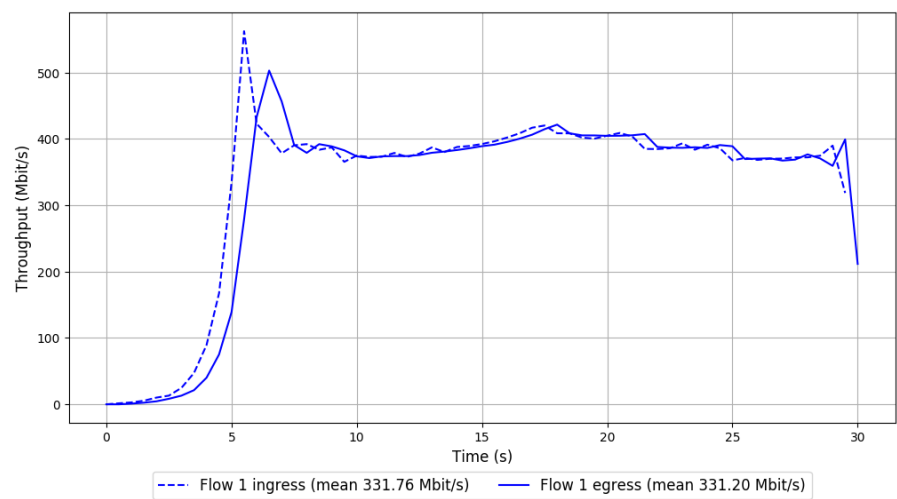
-- Flow 1:

Average throughput: 331.20 Mbit/s

95th percentile per-packet one-way delay: 142.314 ms

Loss rate: 1.08%

Run 1: Report of PCC-Vivace — Data Link

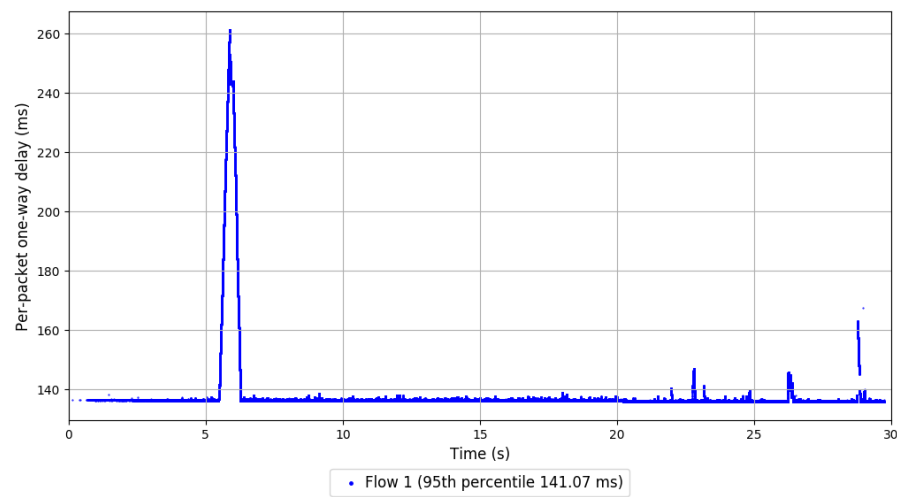
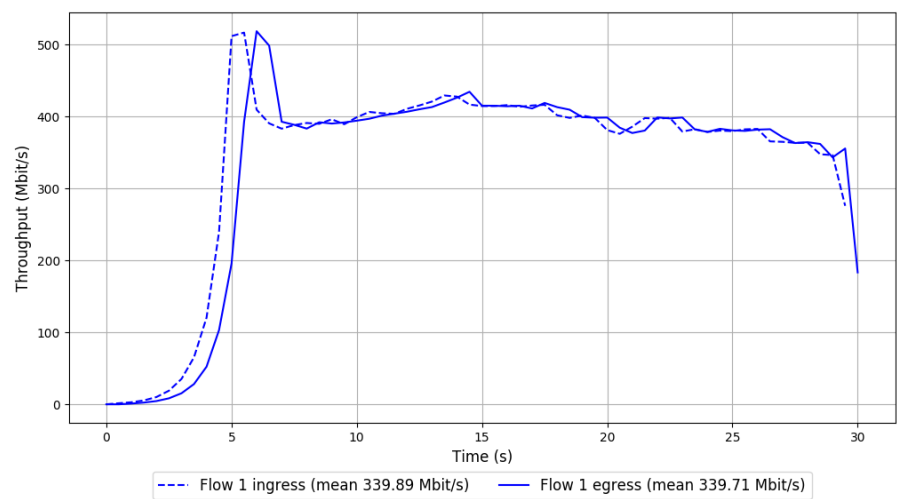


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-11 09:28:43
End at: 2018-07-11 09:29:13
Local clock offset: -0.055 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-11 14:23:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 339.71 Mbit/s
95th percentile per-packet one-way delay: 141.069 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 339.71 Mbit/s
95th percentile per-packet one-way delay: 141.069 ms
Loss rate: 0.96%

Run 2: Report of PCC-Vivace — Data Link

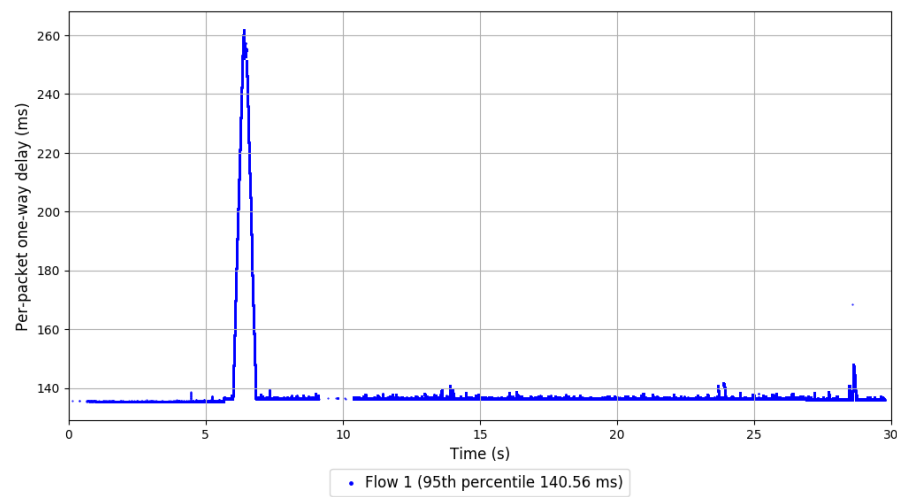
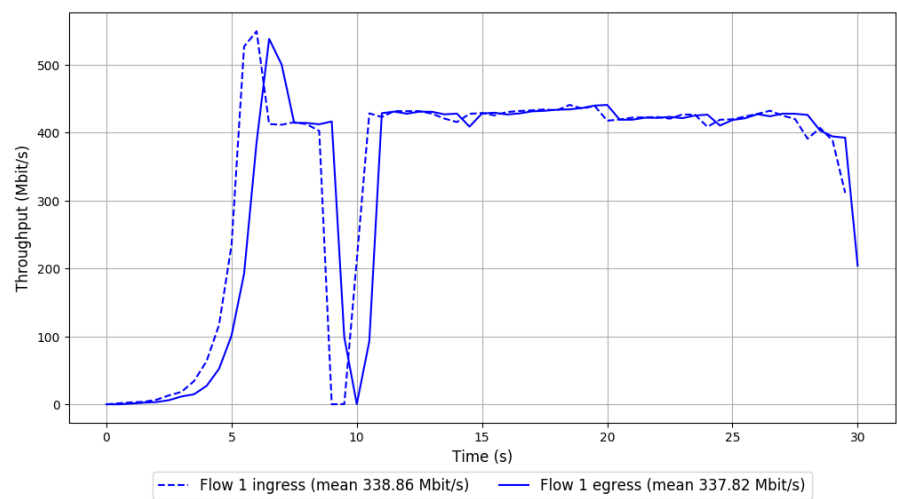


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-11 09:51:48
End at: 2018-07-11 09:52:18
Local clock offset: -0.034 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-07-11 14:23:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 337.82 Mbit/s
95th percentile per-packet one-way delay: 140.564 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 337.82 Mbit/s
95th percentile per-packet one-way delay: 140.564 ms
Loss rate: 1.22%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-11 10:14:32

End at: 2018-07-11 10:15:02

Local clock offset: -0.007 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-11 14:23:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.26 Mbit/s

95th percentile per-packet one-way delay: 336.315 ms

Loss rate: 4.27%

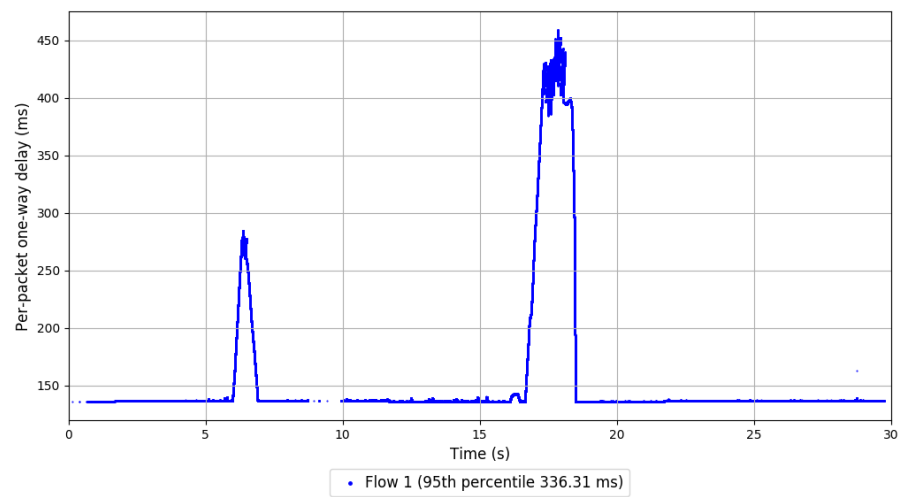
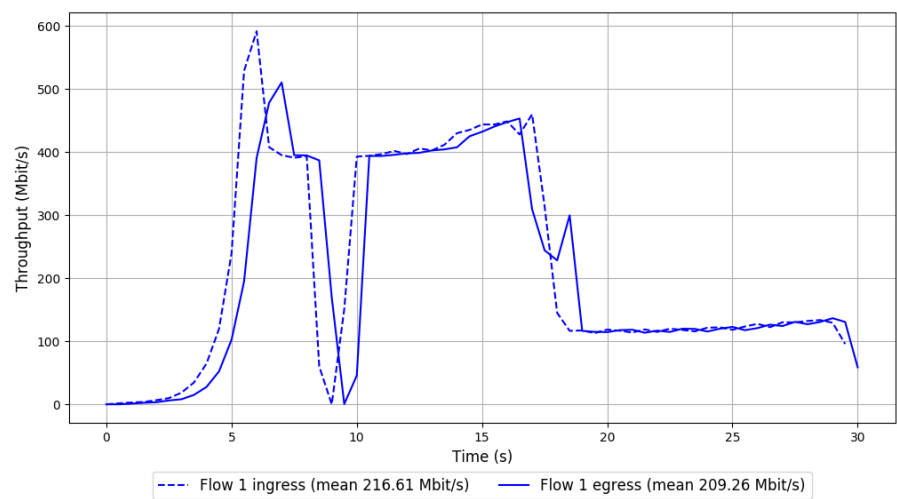
-- Flow 1:

Average throughput: 209.26 Mbit/s

95th percentile per-packet one-way delay: 336.315 ms

Loss rate: 4.27%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-11 10:36:46

End at: 2018-07-11 10:37:16

Local clock offset: -0.12 ms

Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-11 14:24:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 346.13 Mbit/s

95th percentile per-packet one-way delay: 142.649 ms

Loss rate: 1.22%

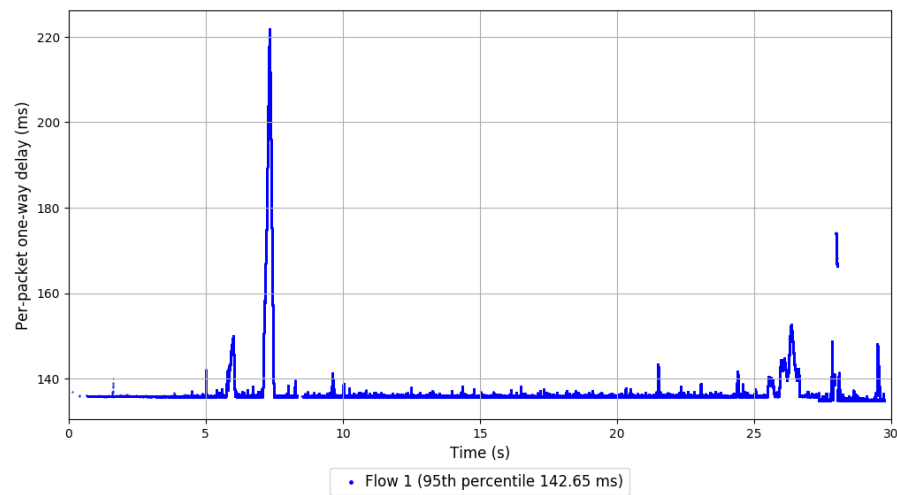
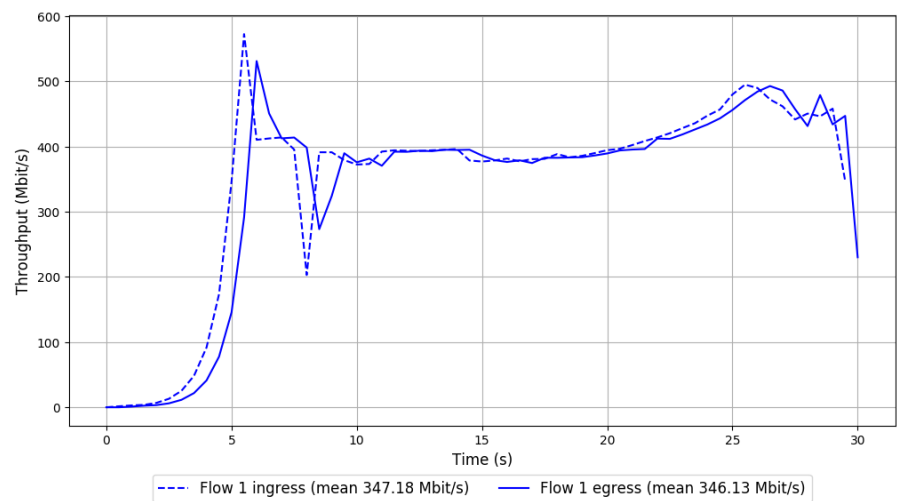
-- Flow 1:

Average throughput: 346.13 Mbit/s

95th percentile per-packet one-way delay: 142.649 ms

Loss rate: 1.22%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-11 10:59:29

End at: 2018-07-11 10:59:59

Local clock offset: -0.017 ms

Remote clock offset: 0.275 ms

Below is generated by plot.py at 2018-07-11 14:24:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 370.97 Mbit/s

95th percentile per-packet one-way delay: 136.709 ms

Loss rate: 1.12%

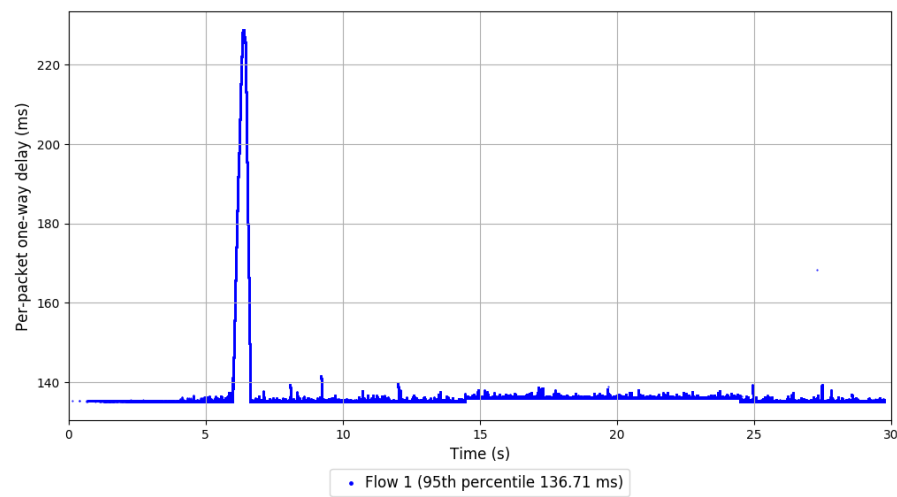
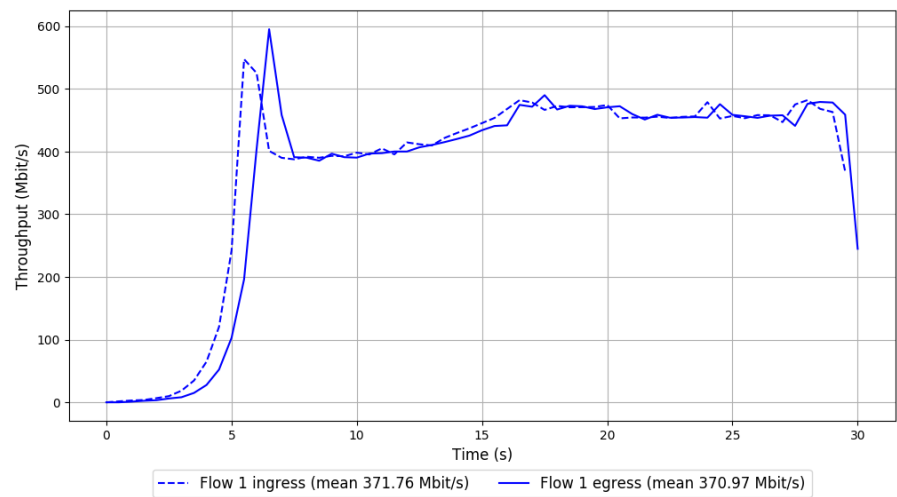
-- Flow 1:

Average throughput: 370.97 Mbit/s

95th percentile per-packet one-way delay: 136.709 ms

Loss rate: 1.12%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-11 11:22:17

End at: 2018-07-11 11:22:47

Local clock offset: -0.012 ms

Remote clock offset: 0.315 ms

Below is generated by plot.py at 2018-07-11 14:24:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 268.11 Mbit/s

95th percentile per-packet one-way delay: 137.224 ms

Loss rate: 1.31%

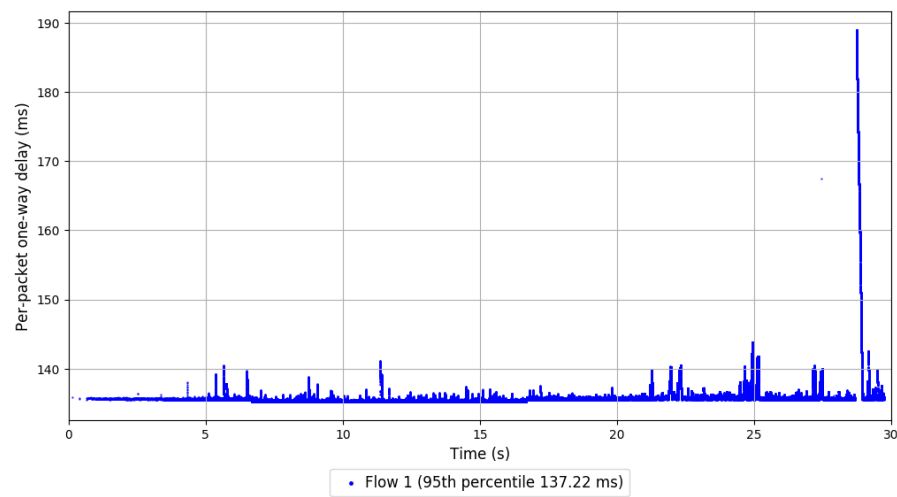
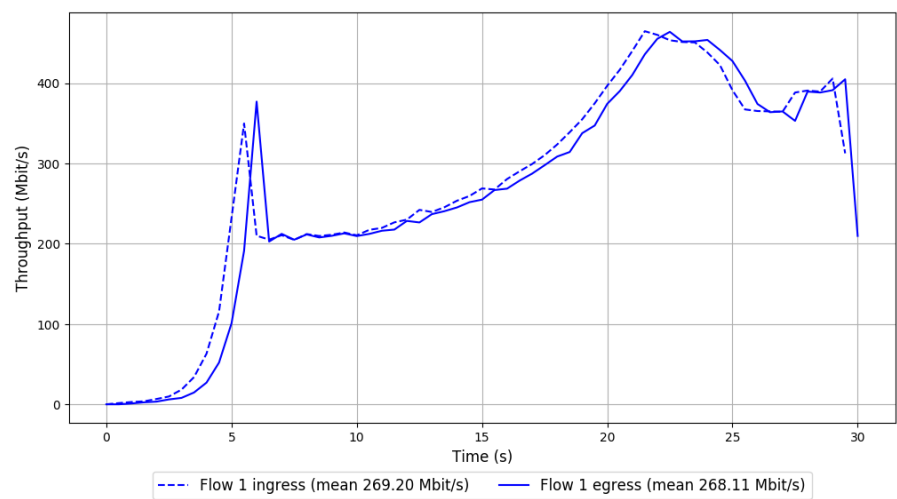
-- Flow 1:

Average throughput: 268.11 Mbit/s

95th percentile per-packet one-way delay: 137.224 ms

Loss rate: 1.31%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-11 11:45:14

End at: 2018-07-11 11:45:44

Local clock offset: -0.062 ms

Remote clock offset: 0.294 ms

Below is generated by plot.py at 2018-07-11 14:24:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 328.04 Mbit/s

95th percentile per-packet one-way delay: 141.681 ms

Loss rate: 1.14%

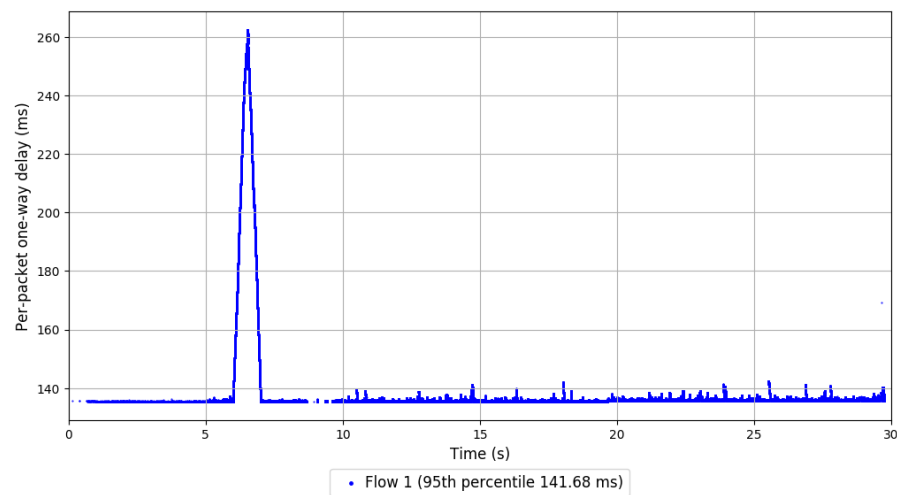
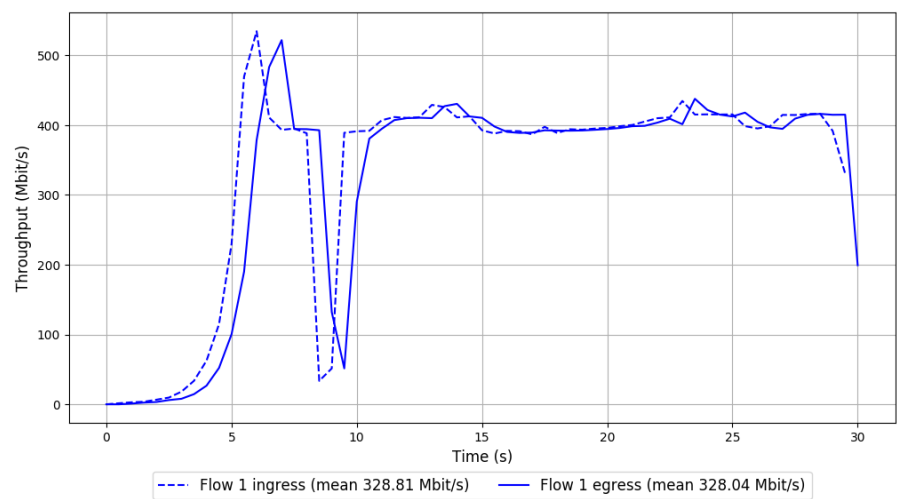
-- Flow 1:

Average throughput: 328.04 Mbit/s

95th percentile per-packet one-way delay: 141.681 ms

Loss rate: 1.14%

Run 8: Report of PCC-Vivace — Data Link

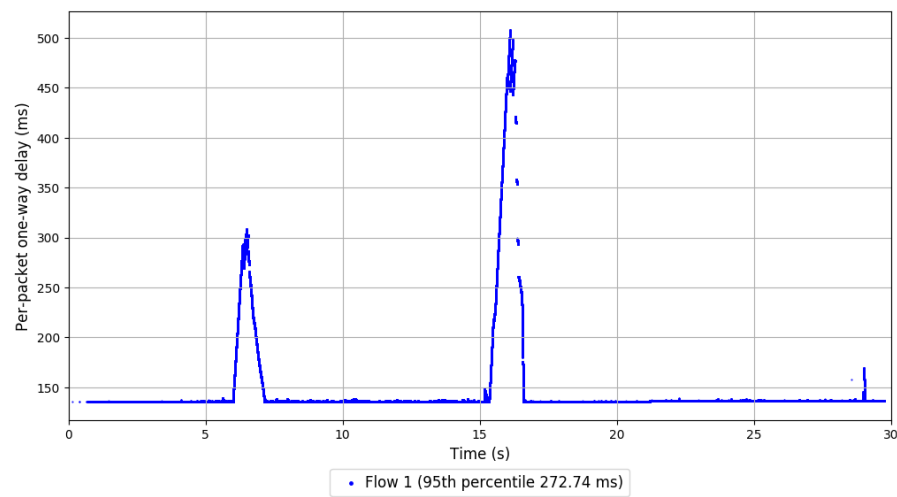
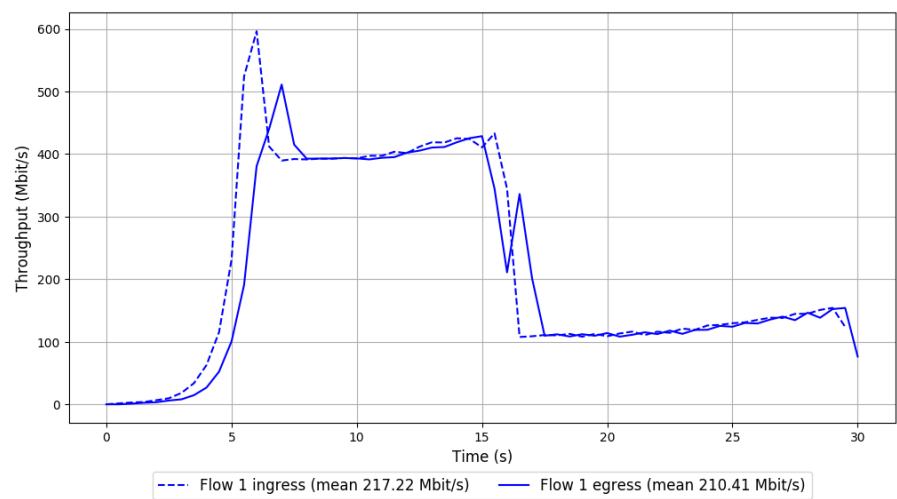


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-11 12:08:12
End at: 2018-07-11 12:08:42
Local clock offset: -0.109 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-11 14:24:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 210.41 Mbit/s
95th percentile per-packet one-way delay: 272.736 ms
Loss rate: 4.02%
-- Flow 1:
Average throughput: 210.41 Mbit/s
95th percentile per-packet one-way delay: 272.736 ms
Loss rate: 4.02%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-11 12:31:11

End at: 2018-07-11 12:31:41

Local clock offset: 0.084 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-11 14:24:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 318.30 Mbit/s

95th percentile per-packet one-way delay: 176.709 ms

Loss rate: 1.37%

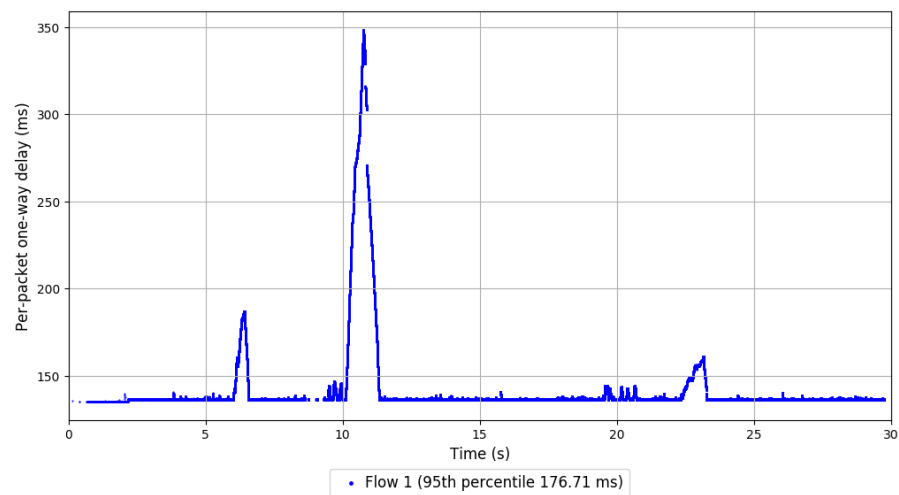
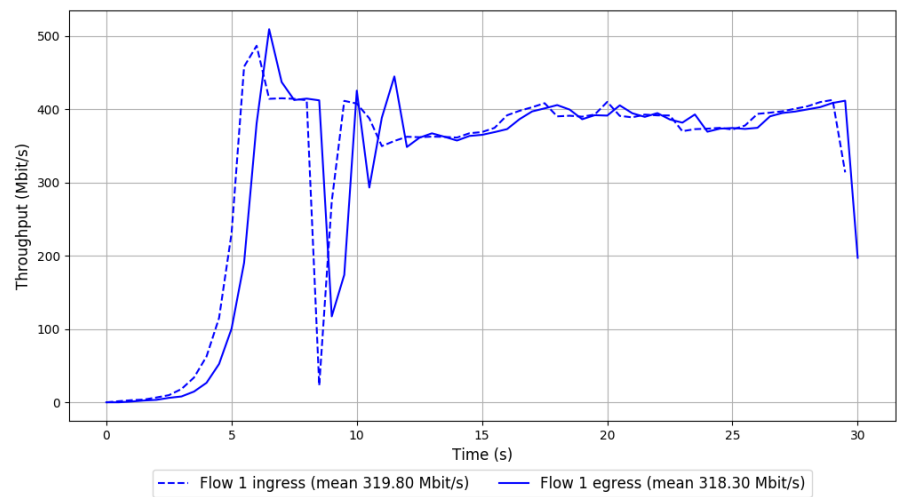
-- Flow 1:

Average throughput: 318.30 Mbit/s

95th percentile per-packet one-way delay: 176.709 ms

Loss rate: 1.37%

Run 10: Report of PCC-Vivace — Data Link

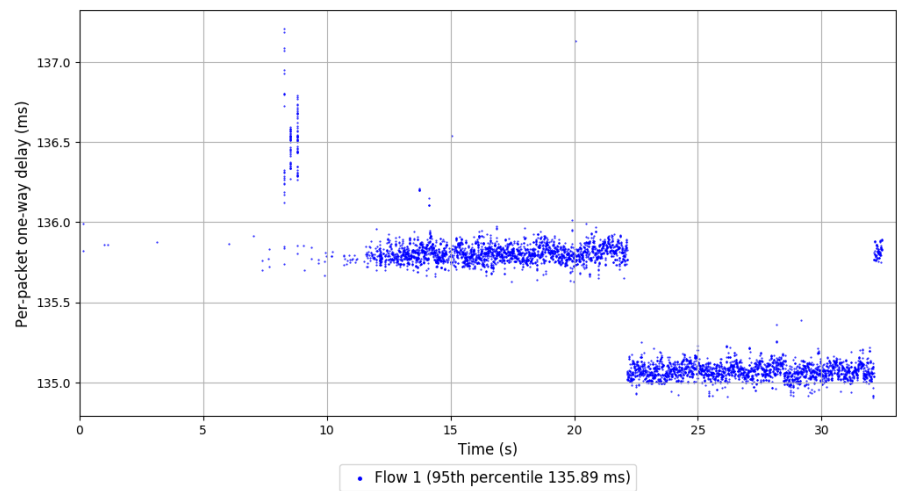
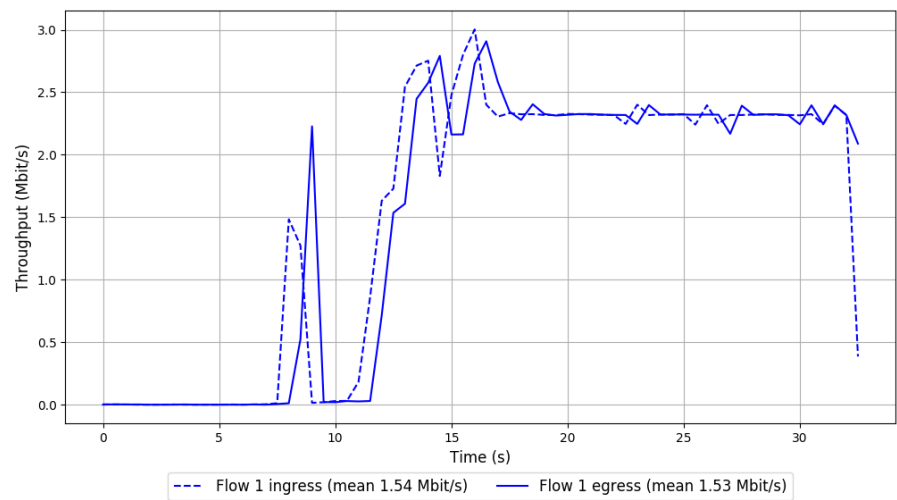


Run 1: Statistics of WebRTC media

Start at: 2018-07-11 09:04:34
End at: 2018-07-11 09:05:04
Local clock offset: -0.043 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-11 14:24:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 135.889 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 135.889 ms
Loss rate: 1.23%

Run 1: Report of WebRTC media — Data Link

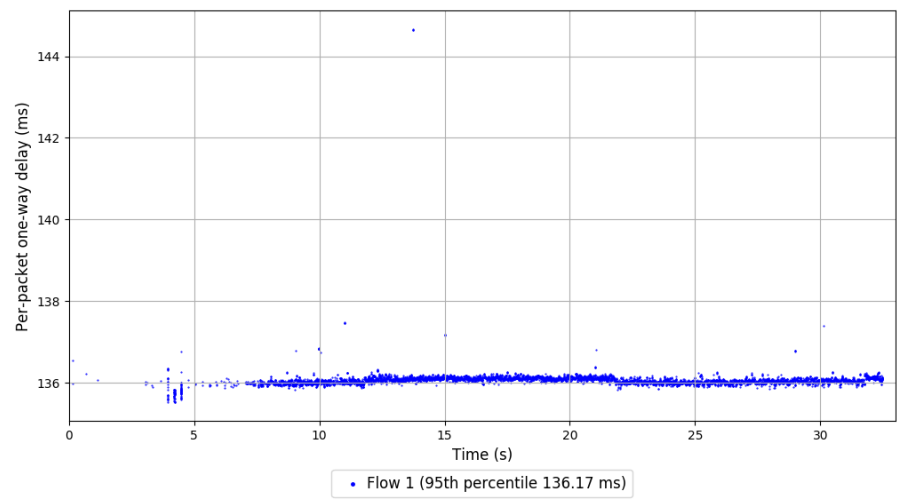
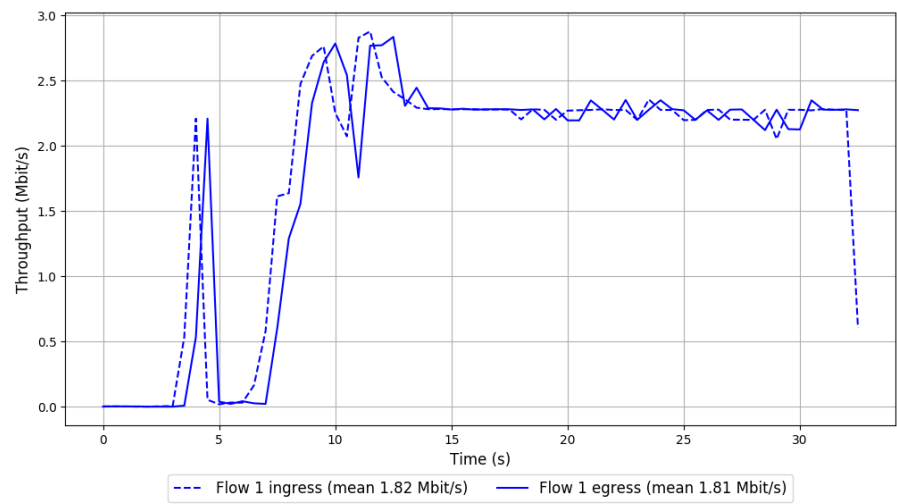


Run 2: Statistics of WebRTC media

Start at: 2018-07-11 09:27:34
End at: 2018-07-11 09:28:04
Local clock offset: 0.061 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-11 14:24:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 136.169 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 136.169 ms
Loss rate: 1.02%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-11 09:50:39

End at: 2018-07-11 09:51:09

Local clock offset: 0.028 ms

Remote clock offset: 0.321 ms

Below is generated by plot.py at 2018-07-11 14:24:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 135.669 ms

Loss rate: 1.04%

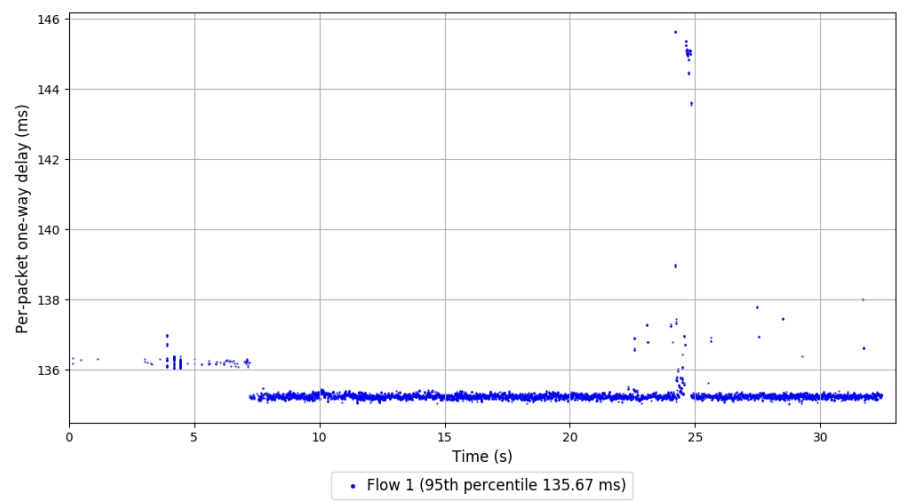
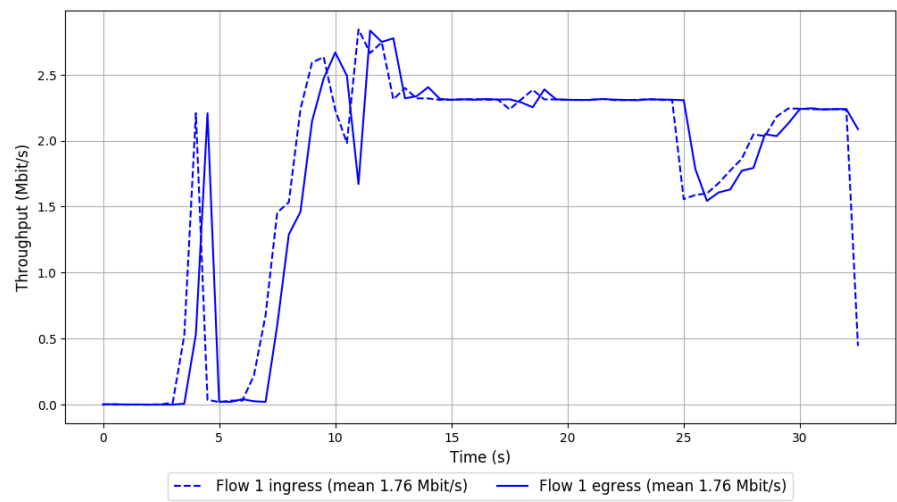
-- Flow 1:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 135.669 ms

Loss rate: 1.04%

Run 3: Report of WebRTC media — Data Link

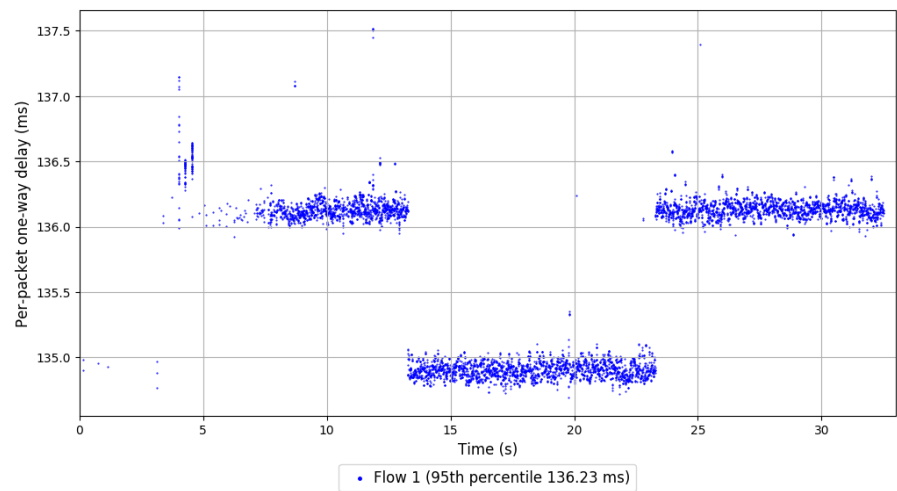
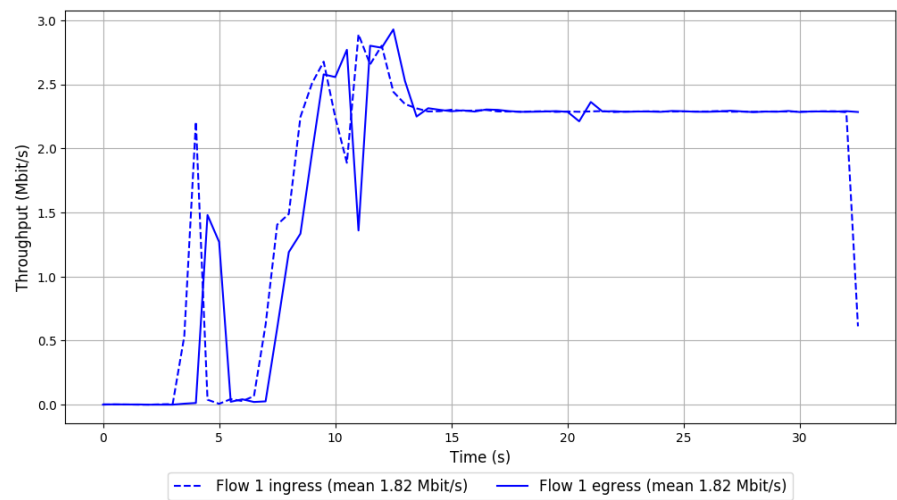


Run 4: Statistics of WebRTC media

Start at: 2018-07-11 10:13:23
End at: 2018-07-11 10:13:53
Local clock offset: 0.049 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-07-11 14:24:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 136.231 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 136.231 ms
Loss rate: 1.03%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-11 10:35:37

End at: 2018-07-11 10:36:07

Local clock offset: 0.008 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-11 14:24:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 136.433 ms

Loss rate: 1.03%

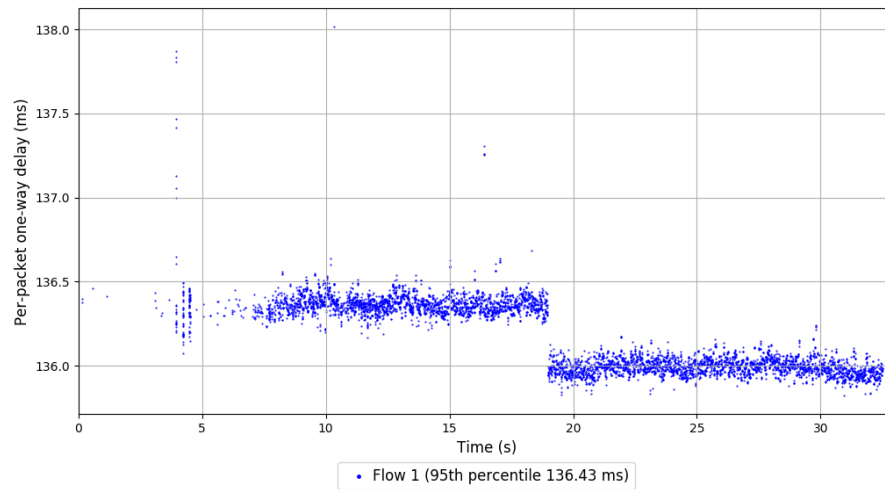
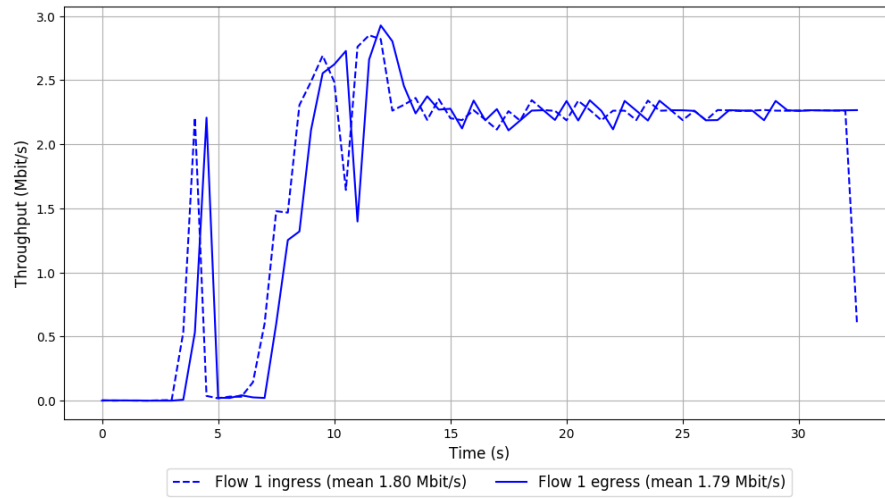
-- Flow 1:

Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 136.433 ms

Loss rate: 1.03%

Run 5: Report of WebRTC media — Data Link

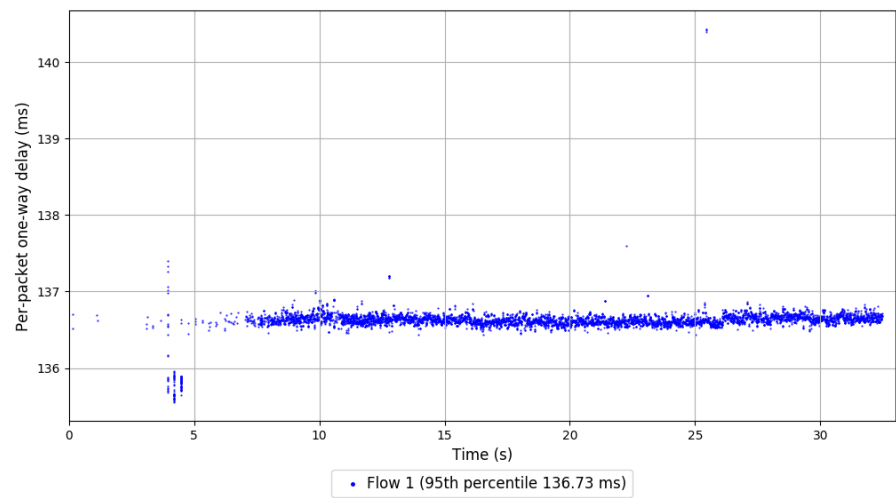
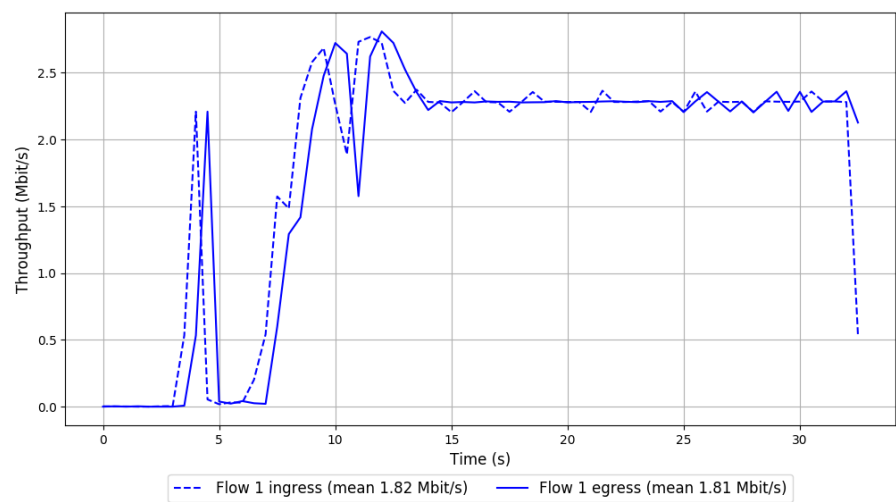


Run 6: Statistics of WebRTC media

Start at: 2018-07-11 10:58:20
End at: 2018-07-11 10:58:50
Local clock offset: 0.174 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-11 14:24:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 136.729 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 136.729 ms
Loss rate: 1.09%

Run 6: Report of WebRTC media — Data Link

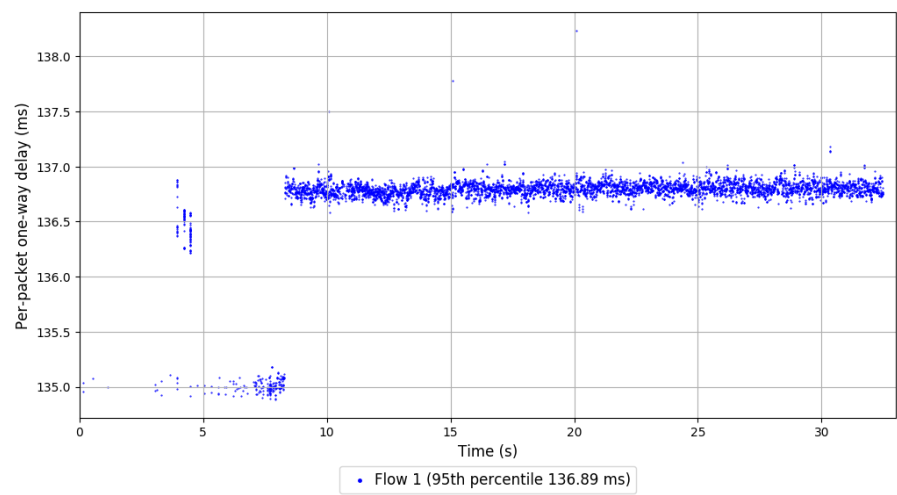
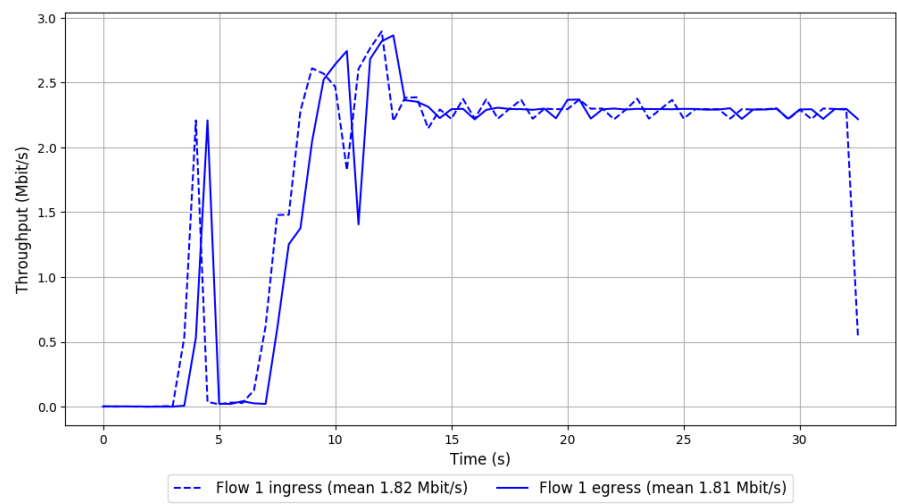


Run 7: Statistics of WebRTC media

Start at: 2018-07-11 11:21:08
End at: 2018-07-11 11:21:38
Local clock offset: 0.19 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-07-11 14:24:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 136.887 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 136.887 ms
Loss rate: 1.03%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-11 11:44:05

End at: 2018-07-11 11:44:35

Local clock offset: -0.1 ms

Remote clock offset: 0.309 ms

Below is generated by plot.py at 2018-07-11 14:24:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.83 Mbit/s

95th percentile per-packet one-way delay: 136.232 ms

Loss rate: 1.03%

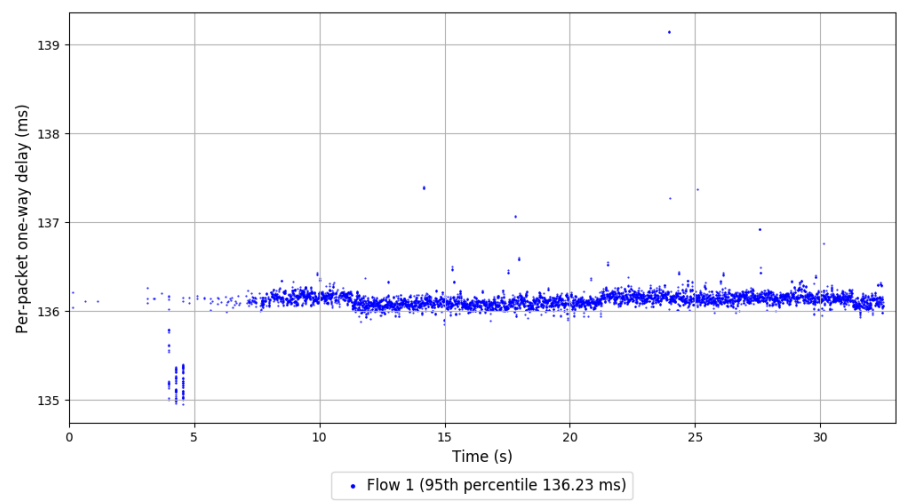
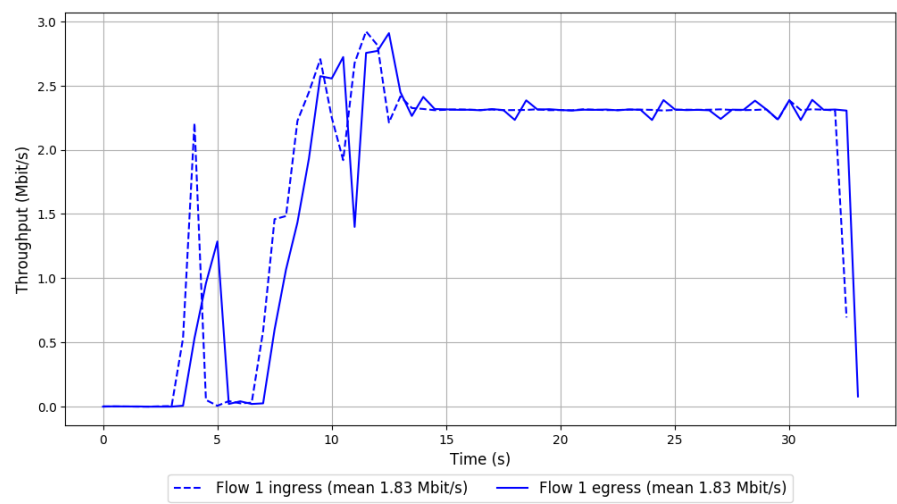
-- Flow 1:

Average throughput: 1.83 Mbit/s

95th percentile per-packet one-way delay: 136.232 ms

Loss rate: 1.03%

Run 8: Report of WebRTC media — Data Link

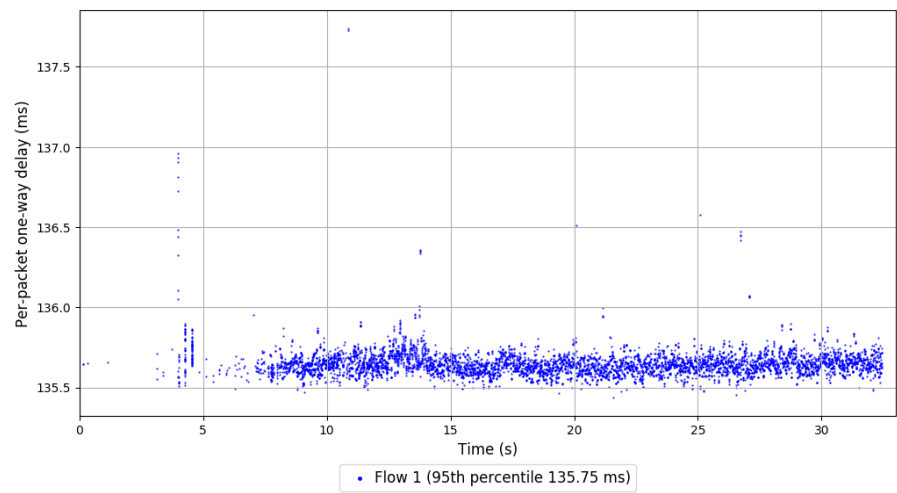
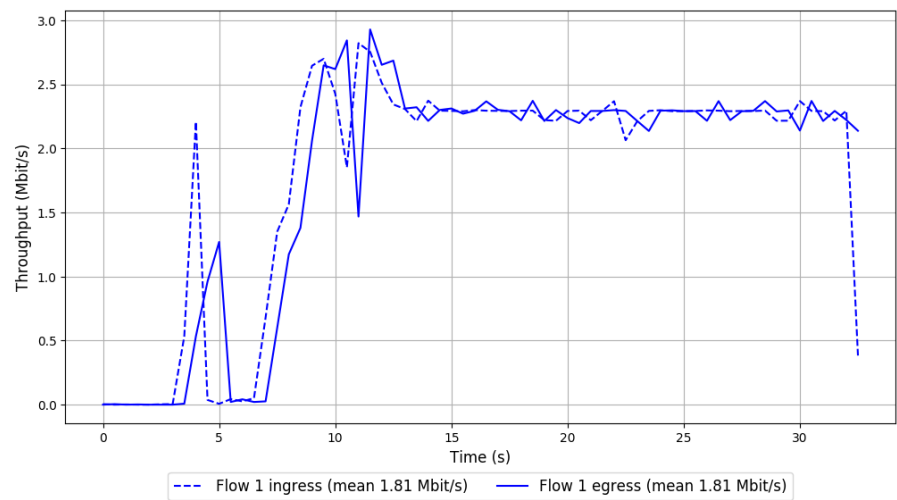


Run 9: Statistics of WebRTC media

Start at: 2018-07-11 12:07:03
End at: 2018-07-11 12:07:33
Local clock offset: 0.128 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-07-11 14:24:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 135.751 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 135.751 ms
Loss rate: 1.04%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-11 12:30:02

End at: 2018-07-11 12:30:32

Local clock offset: 0.002 ms

Remote clock offset: 0.311 ms

Below is generated by plot.py at 2018-07-11 14:24:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.72 Mbit/s

95th percentile per-packet one-way delay: 135.877 ms

Loss rate: 1.07%

-- Flow 1:

Average throughput: 1.72 Mbit/s

95th percentile per-packet one-way delay: 135.877 ms

Loss rate: 1.07%

Run 10: Report of WebRTC media — Data Link

