

Pantheon Report

Generated at 2018-07-10 12:42:08 (UTC).

Data path: GCE Iowa 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.

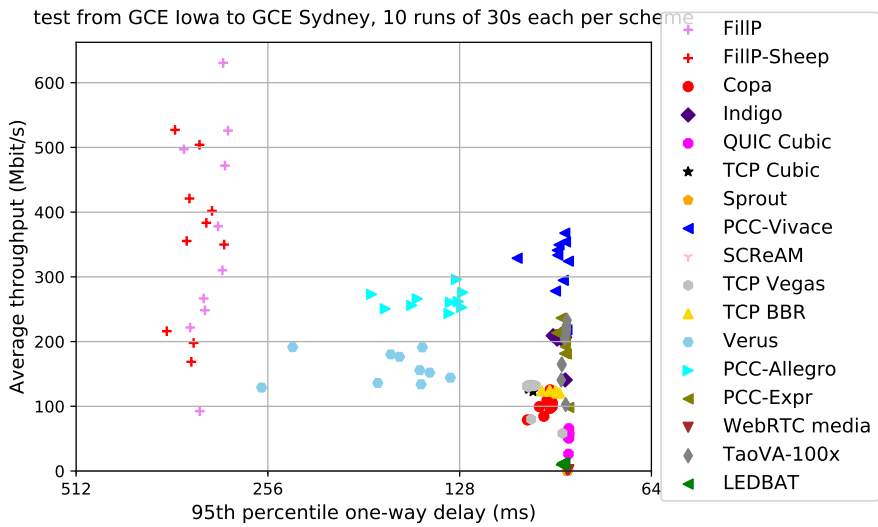
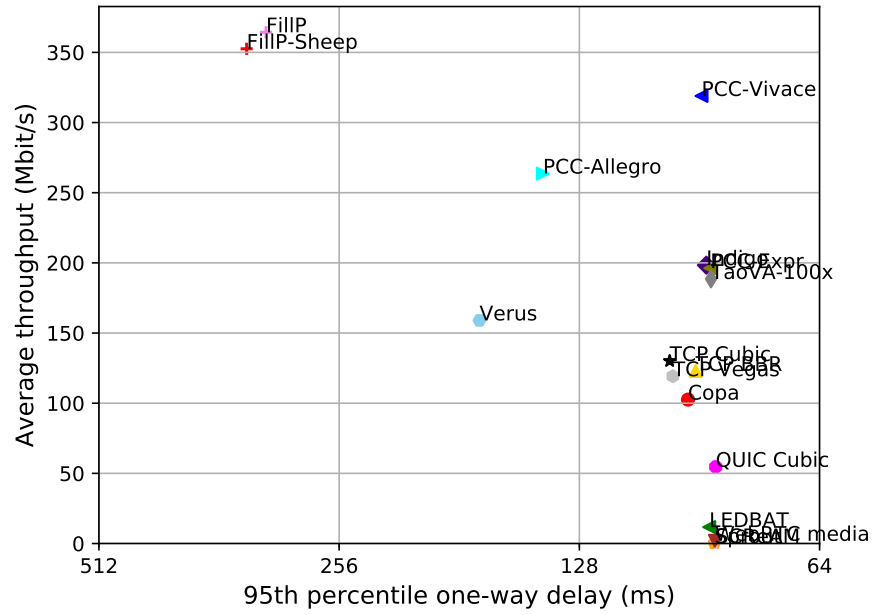
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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/llp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/llp-sheep @ 37162fe9af85249aaccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	123.02	91.51	0.61
Copa	10	102.55	93.56	0.69
TCP Cubic	10	130.06	98.64	0.48
FillP	10	364.31	316.12	3.04
FillP-Sheep	10	352.55	334.31	4.80
Indigo	9	198.39	88.74	0.62
LEDBAT	10	11.71	88.01	1.12
PCC-Allegro	10	263.63	142.17	1.09
PCC-Expr	10	196.25	87.72	0.69
QUIC Cubic	9	54.65	86.36	0.80
SCReAM	10	0.22	86.40	0.55
Sprout	10	0.26	86.69	0.46
TaoVA-100x	10	188.55	87.55	0.46
TCP Vegas	10	119.24	97.74	0.50
Verus	10	159.01	170.76	1.49
PCC-Vivace	10	318.95	89.98	0.67
WebRTC media	9	1.92	86.57	0.67

Run 1: Statistics of TCP BBR

Start at: 2018-07-10 07:53:01

End at: 2018-07-10 07:53:31

Local clock offset: -0.213 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-10 11:34:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.09 Mbit/s

95th percentile per-packet one-way delay: 92.472 ms

Loss rate: 0.59%

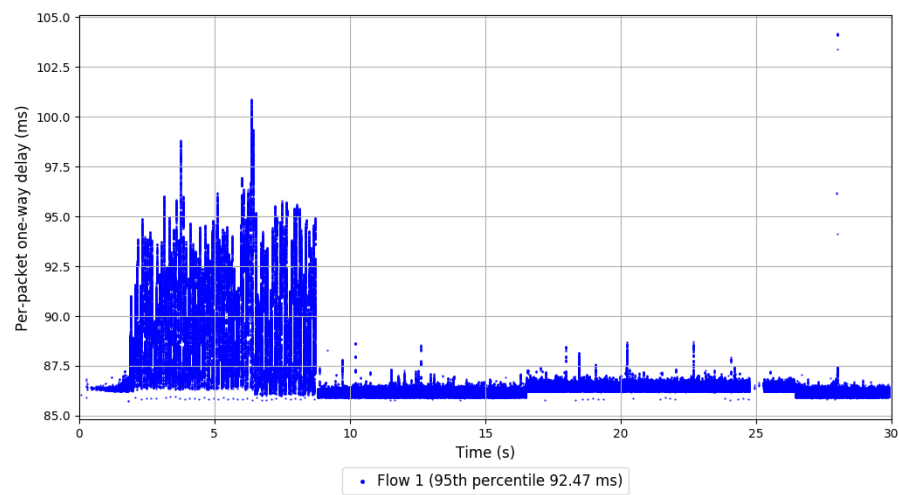
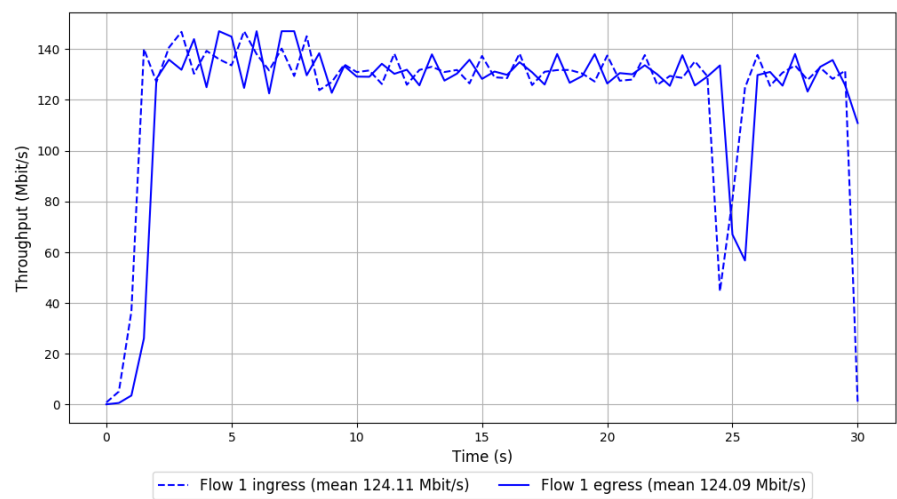
-- Flow 1:

Average throughput: 124.09 Mbit/s

95th percentile per-packet one-way delay: 92.472 ms

Loss rate: 0.59%

Run 1: Report of TCP BBR — Data Link

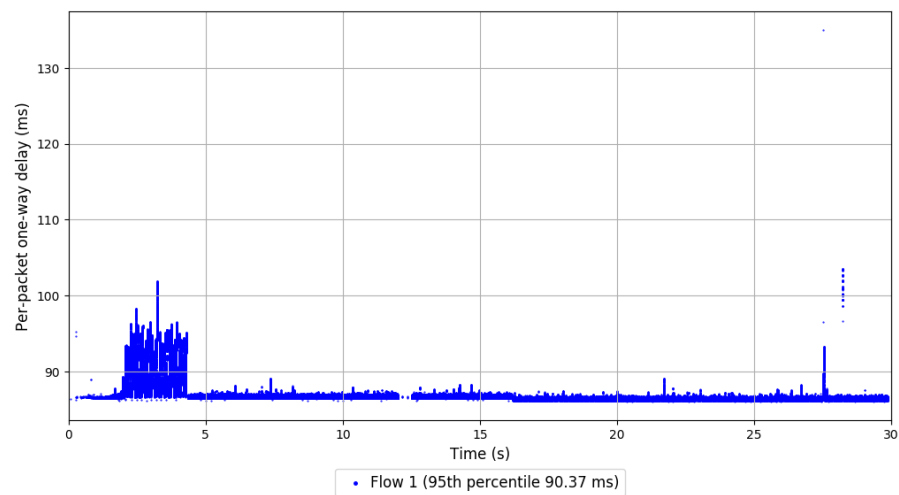
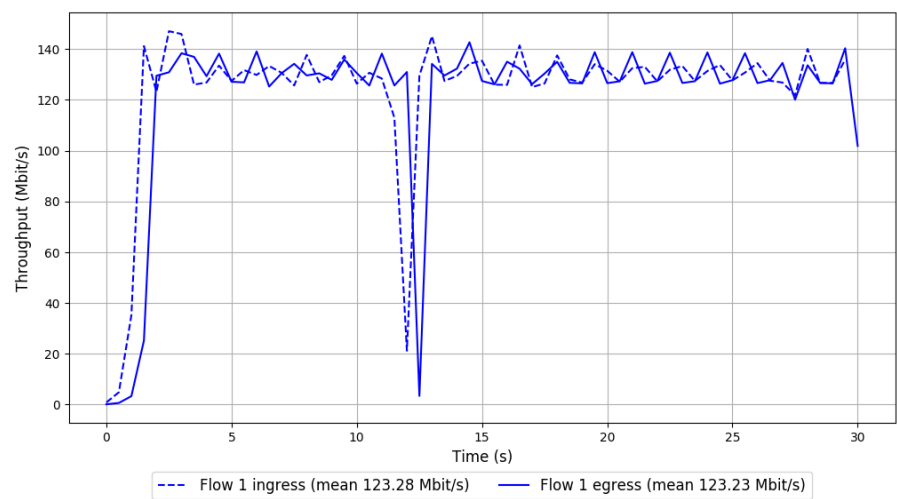


Run 2: Statistics of TCP BBR

Start at: 2018-07-10 08:14:11
End at: 2018-07-10 08:14:41
Local clock offset: -0.002 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-10 11:34:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 123.23 Mbit/s
95th percentile per-packet one-way delay: 90.368 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 123.23 Mbit/s
95th percentile per-packet one-way delay: 90.368 ms
Loss rate: 0.67%

Run 2: Report of TCP BBR — Data Link

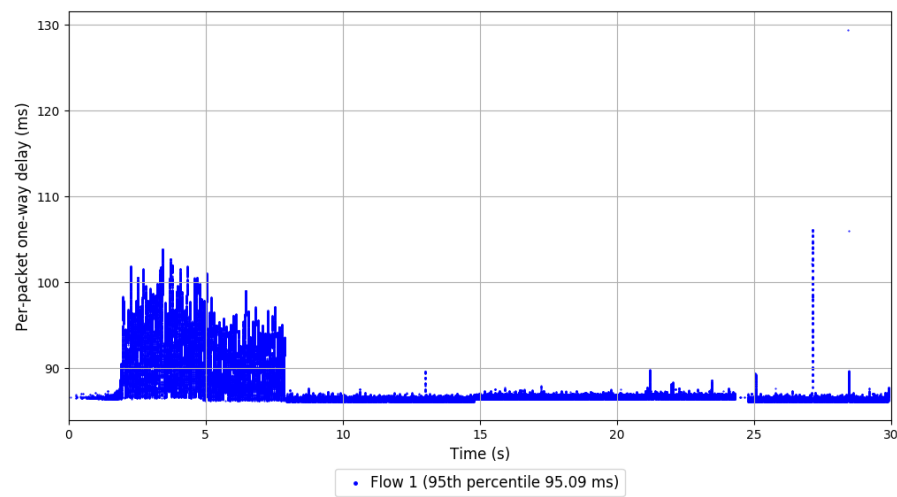
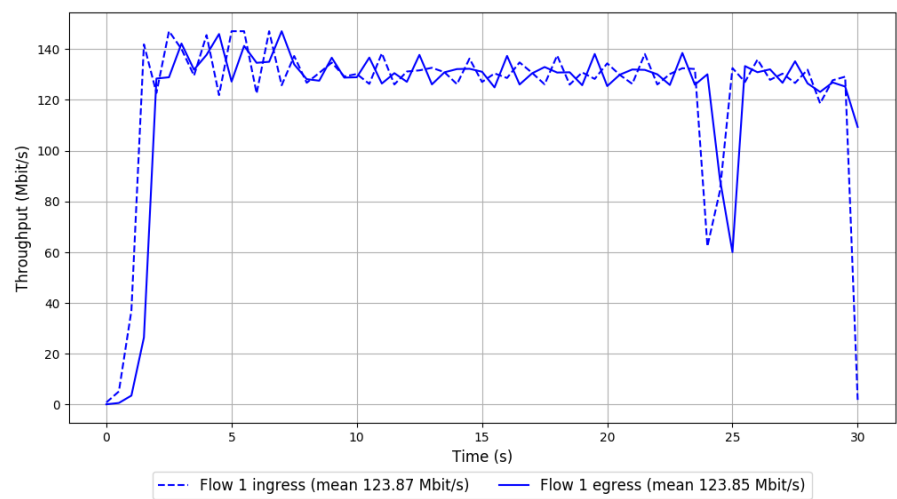


Run 3: Statistics of TCP BBR

Start at: 2018-07-10 08:35:22
End at: 2018-07-10 08:35:52
Local clock offset: -0.078 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-10 11:34:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 123.85 Mbit/s
95th percentile per-packet one-way delay: 95.095 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 123.85 Mbit/s
95th percentile per-packet one-way delay: 95.095 ms
Loss rate: 0.60%

Run 3: Report of TCP BBR — Data Link

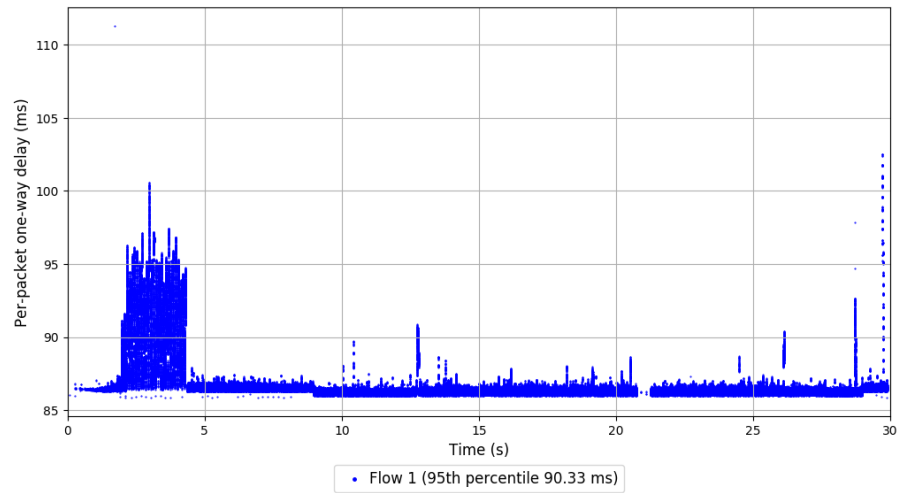
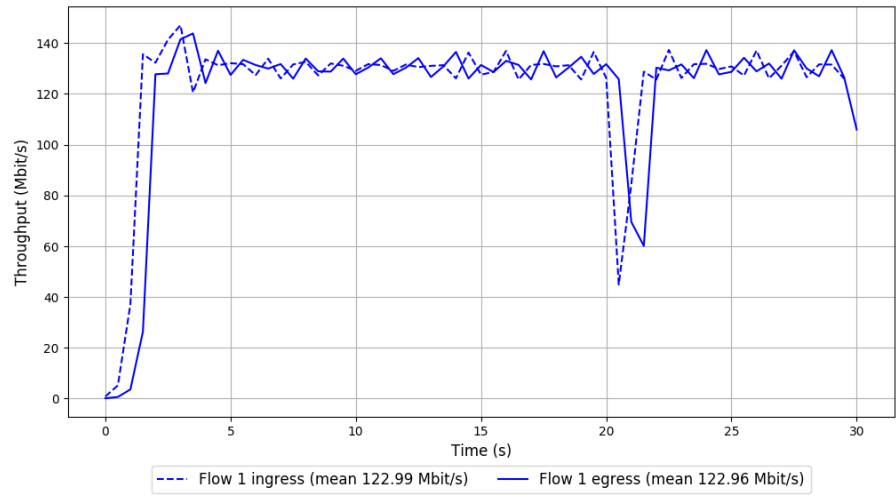


Run 4: Statistics of TCP BBR

Start at: 2018-07-10 08:57:08
End at: 2018-07-10 08:57:38
Local clock offset: -0.096 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-10 11:34:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 122.96 Mbit/s
95th percentile per-packet one-way delay: 90.328 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 122.96 Mbit/s
95th percentile per-packet one-way delay: 90.328 ms
Loss rate: 0.60%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-10 09:18:49

End at: 2018-07-10 09:19:20

Local clock offset: 0.013 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-07-10 11:34:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 120.87 Mbit/s

95th percentile per-packet one-way delay: 89.185 ms

Loss rate: 0.73%

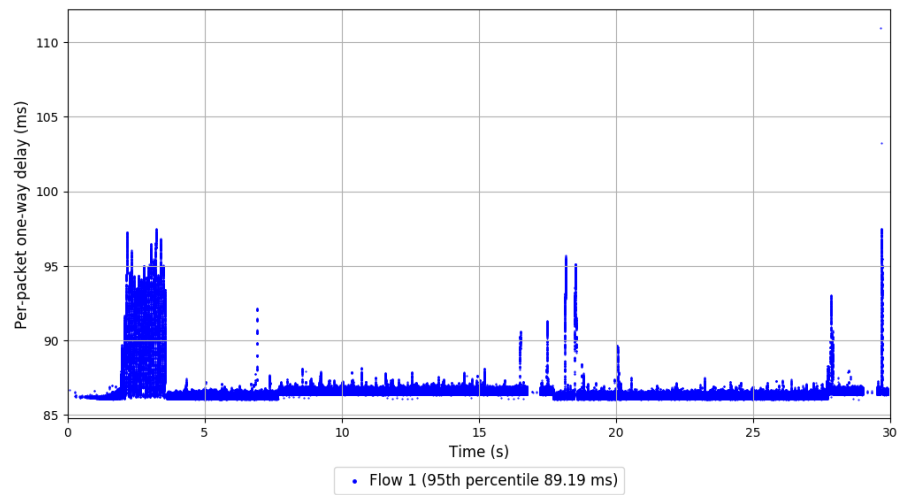
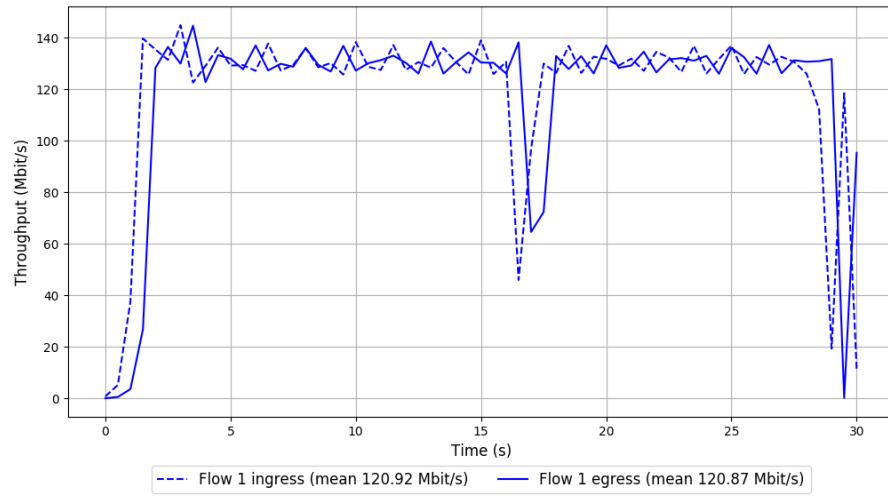
-- Flow 1:

Average throughput: 120.87 Mbit/s

95th percentile per-packet one-way delay: 89.185 ms

Loss rate: 0.73%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-10 09:40:27

End at: 2018-07-10 09:40:57

Local clock offset: 0.1 ms

Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-10 11:34:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.55 Mbit/s

95th percentile per-packet one-way delay: 92.503 ms

Loss rate: 0.60%

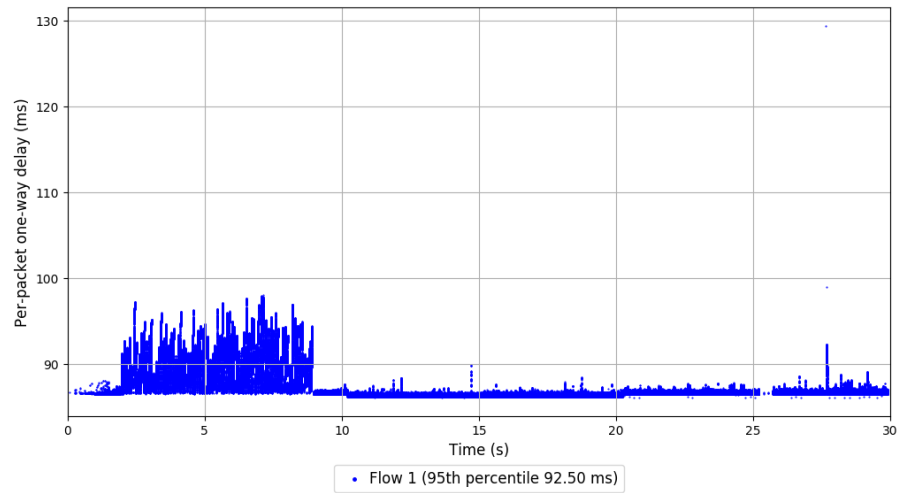
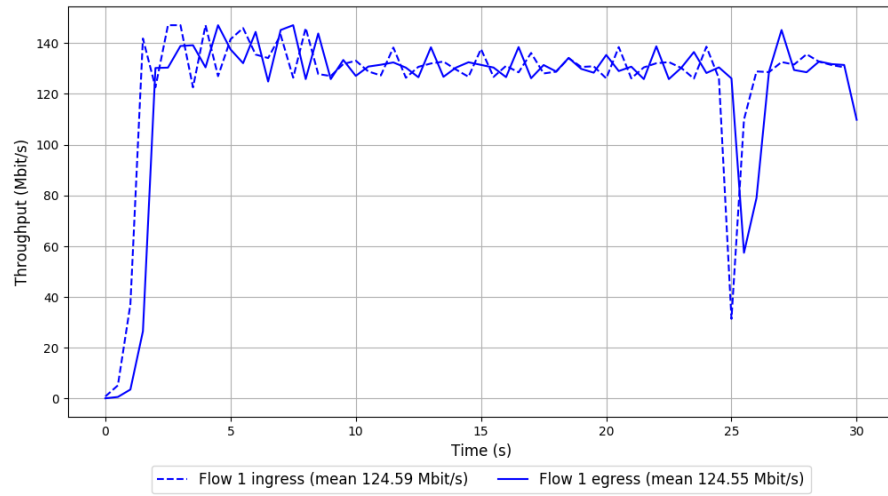
-- Flow 1:

Average throughput: 124.55 Mbit/s

95th percentile per-packet one-way delay: 92.503 ms

Loss rate: 0.60%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-10 10:01:54

End at: 2018-07-10 10:02:24

Local clock offset: 0.026 ms

Remote clock offset: 0.047 ms

Below is generated by plot.py at 2018-07-10 11:34:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.31 Mbit/s

95th percentile per-packet one-way delay: 92.183 ms

Loss rate: 0.47%

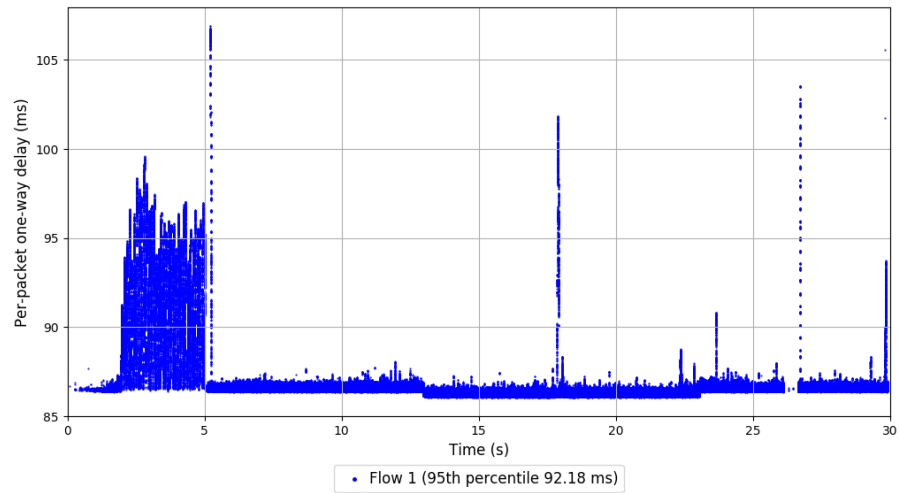
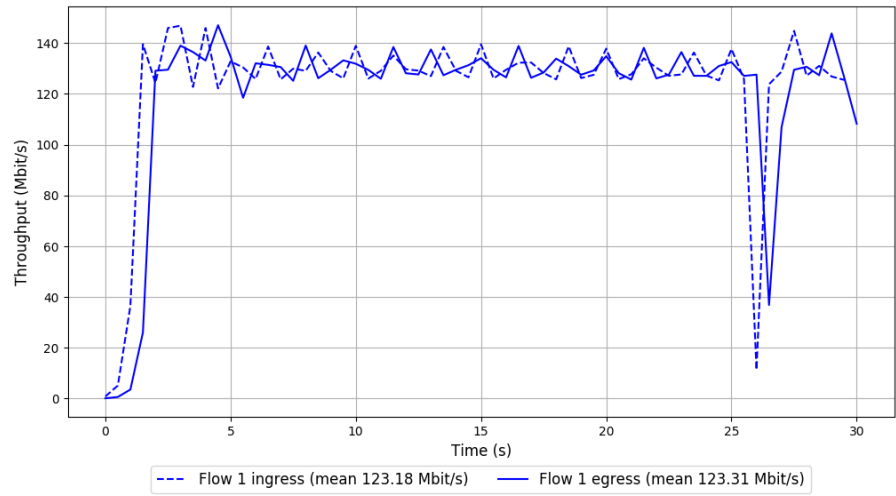
-- Flow 1:

Average throughput: 123.31 Mbit/s

95th percentile per-packet one-way delay: 92.183 ms

Loss rate: 0.47%

Run 7: Report of TCP BBR — Data Link

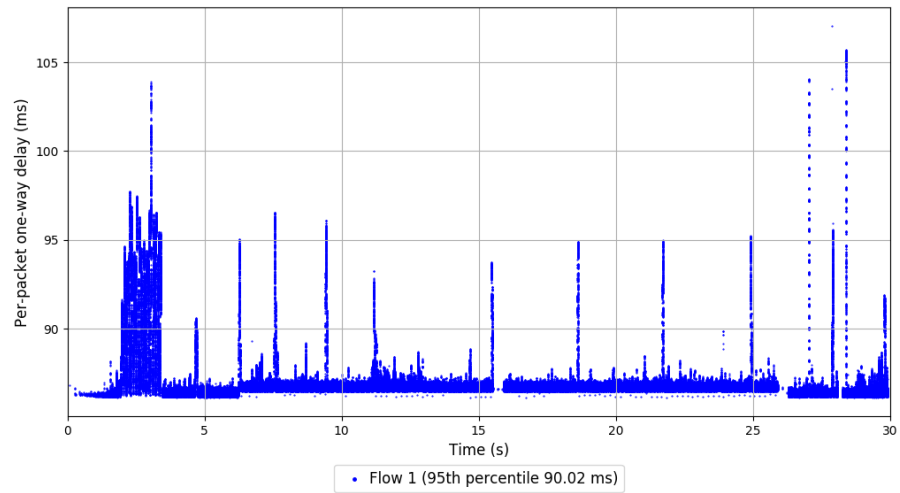
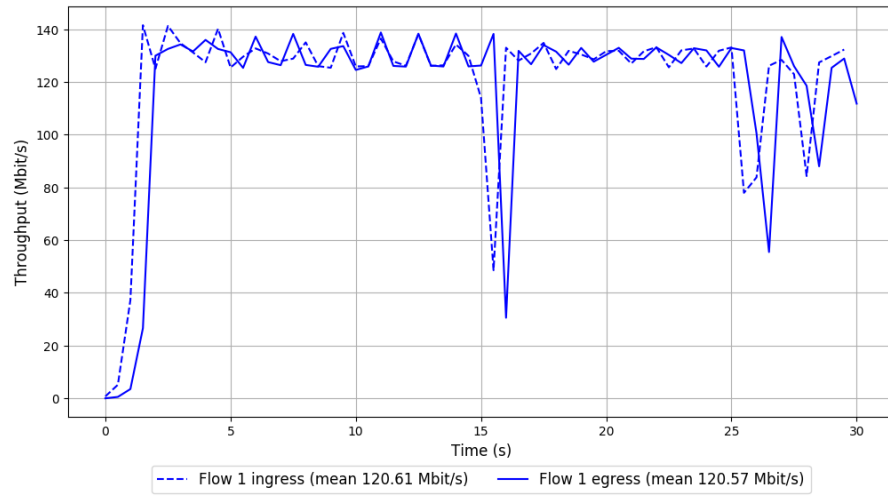


Run 8: Statistics of TCP BBR

Start at: 2018-07-10 10:23:31
End at: 2018-07-10 10:24:01
Local clock offset: 0.107 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-10 11:34:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 120.57 Mbit/s
95th percentile per-packet one-way delay: 90.023 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 120.57 Mbit/s
95th percentile per-packet one-way delay: 90.023 ms
Loss rate: 0.61%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-10 10:44:47

End at: 2018-07-10 10:45:17

Local clock offset: 0.101 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-07-10 11:36:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.24 Mbit/s

95th percentile per-packet one-way delay: 92.409 ms

Loss rate: 0.60%

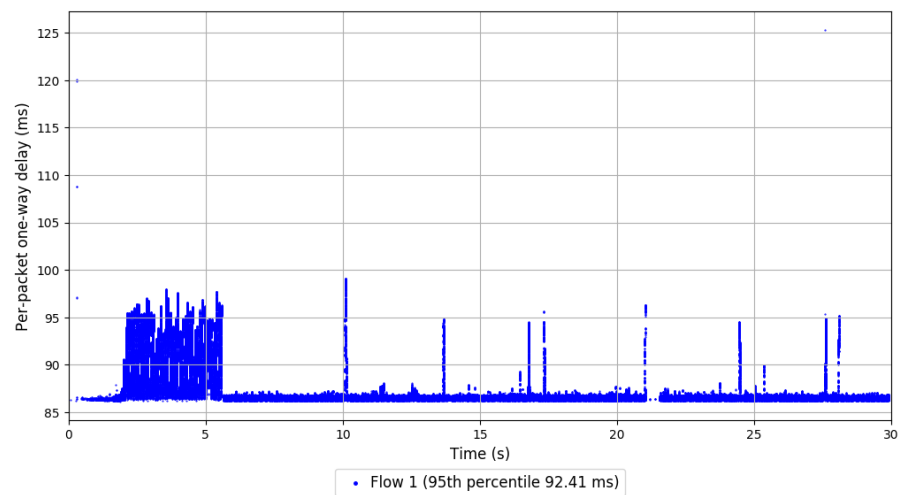
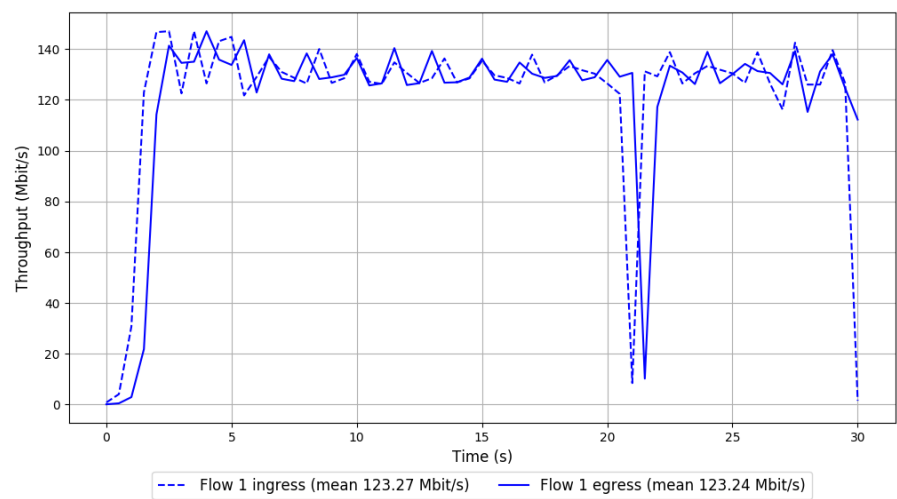
-- Flow 1:

Average throughput: 123.24 Mbit/s

95th percentile per-packet one-way delay: 92.409 ms

Loss rate: 0.60%

Run 9: Report of TCP BBR — Data Link

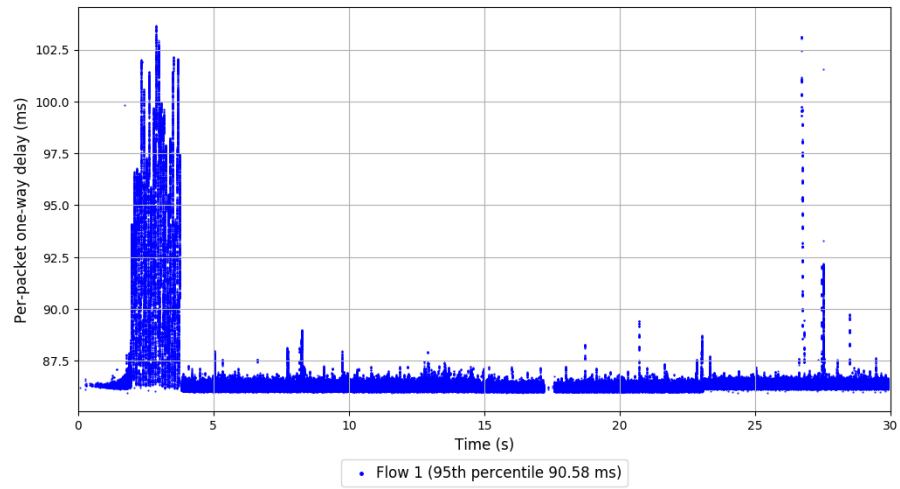
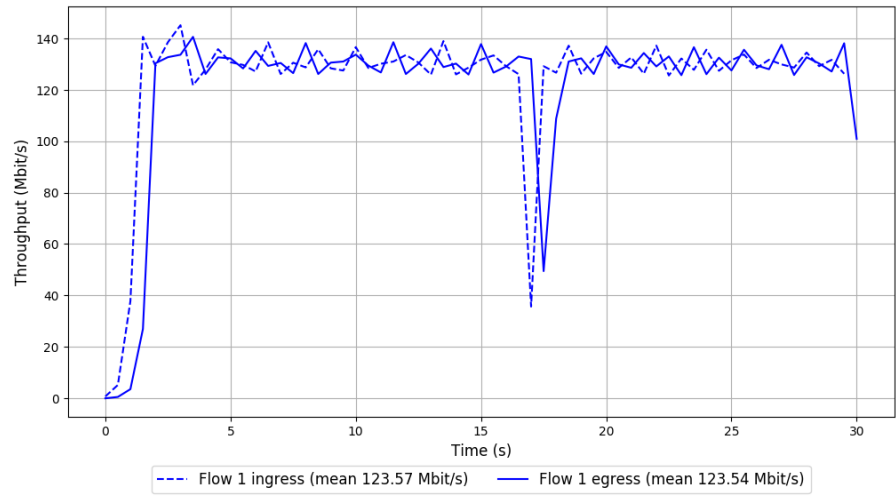


Run 10: Statistics of TCP BBR

Start at: 2018-07-10 11:06:34
End at: 2018-07-10 11:07:04
Local clock offset: -0.021 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-10 11:36:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 123.54 Mbit/s
95th percentile per-packet one-way delay: 90.578 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 123.54 Mbit/s
95th percentile per-packet one-way delay: 90.578 ms
Loss rate: 0.60%

Run 10: Report of TCP BBR — Data Link

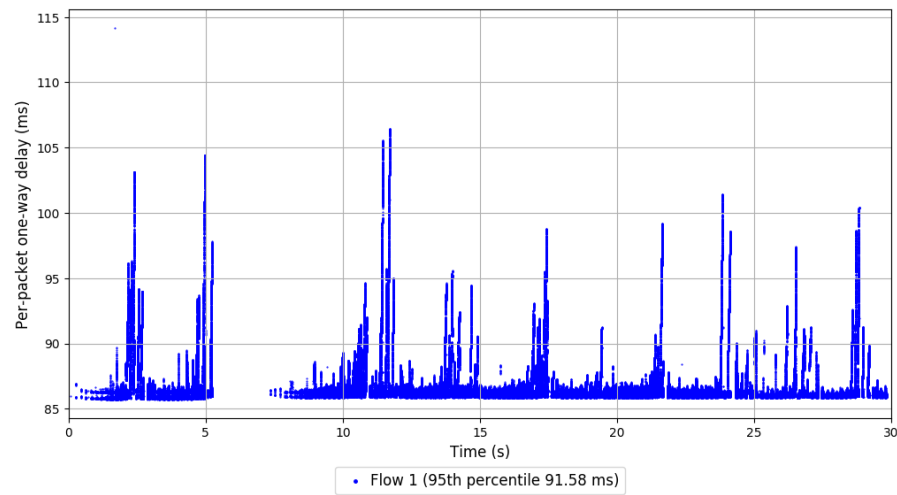
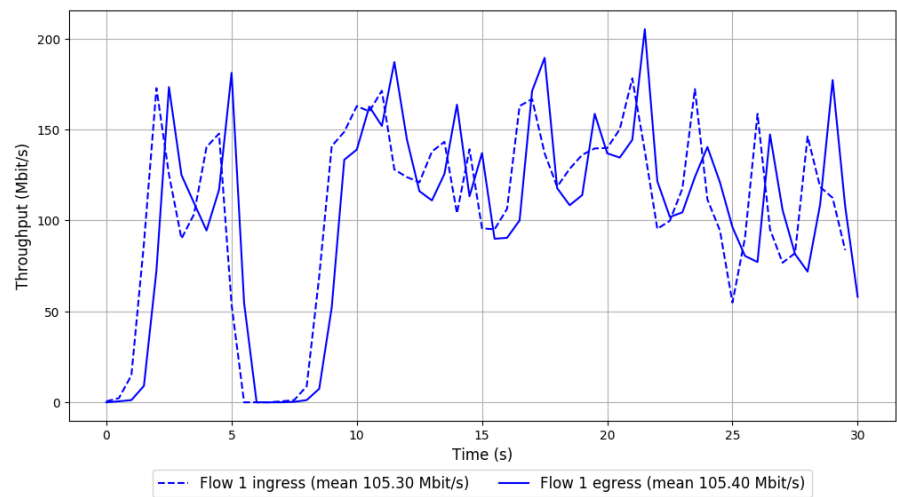


Run 1: Statistics of Copa

Start at: 2018-07-10 08:04:02
End at: 2018-07-10 08:04:32
Local clock offset: -0.246 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-10 11:38:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 105.40 Mbit/s
95th percentile per-packet one-way delay: 91.583 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 105.40 Mbit/s
95th percentile per-packet one-way delay: 91.583 ms
Loss rate: 0.48%

Run 1: Report of Copa — Data Link

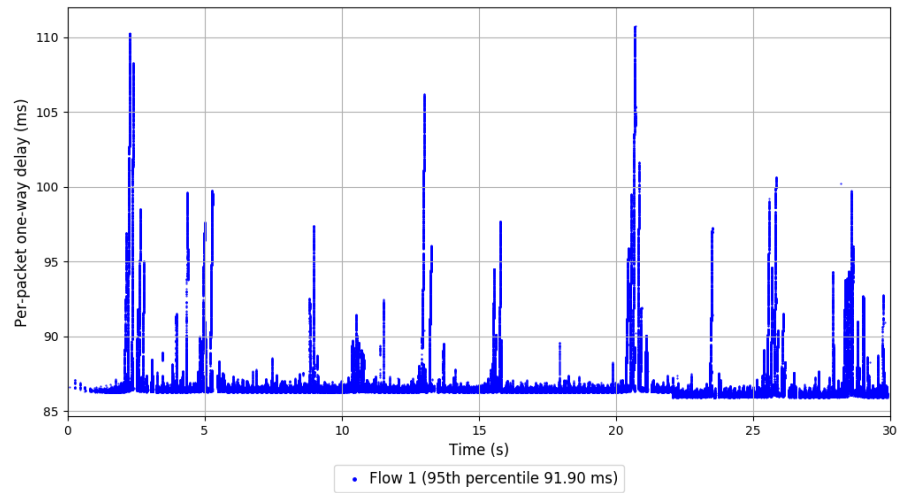
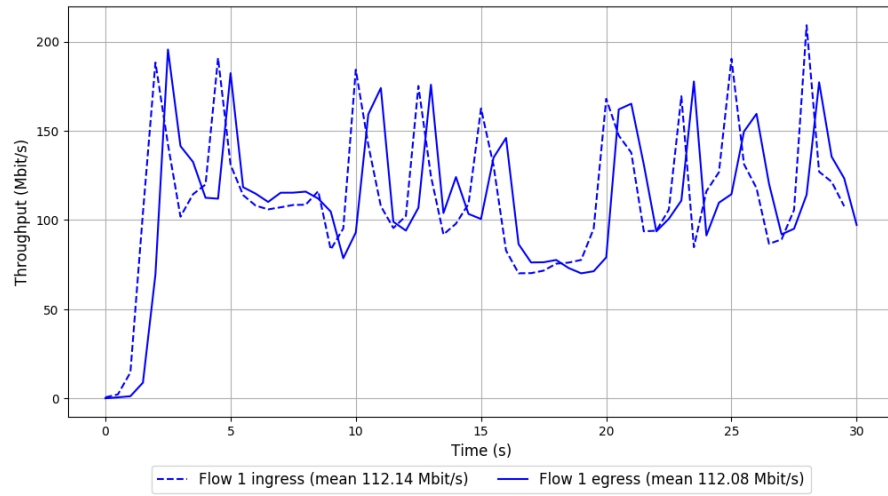


Run 2: Statistics of Copa

Start at: 2018-07-10 08:25:15
End at: 2018-07-10 08:25:45
Local clock offset: -0.115 ms
Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-07-10 11:38:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 112.08 Mbit/s
95th percentile per-packet one-way delay: 91.896 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 112.08 Mbit/s
95th percentile per-packet one-way delay: 91.896 ms
Loss rate: 0.63%

Run 2: Report of Copa — Data Link

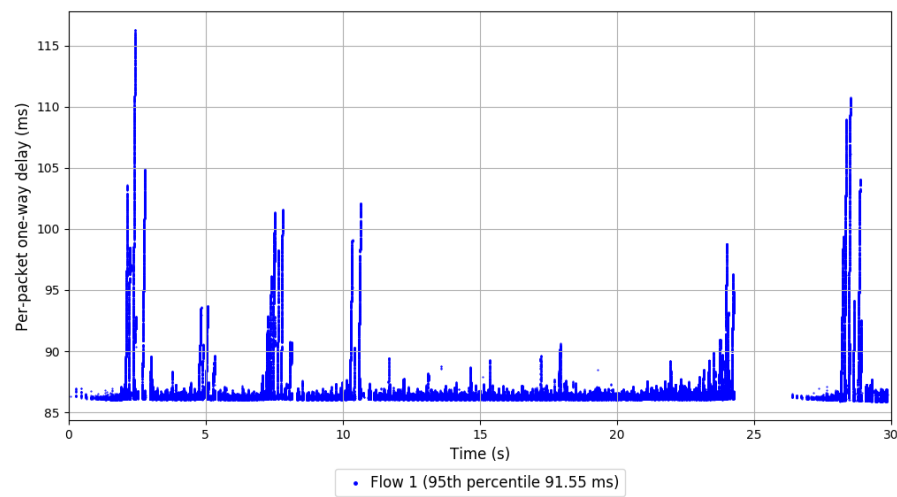
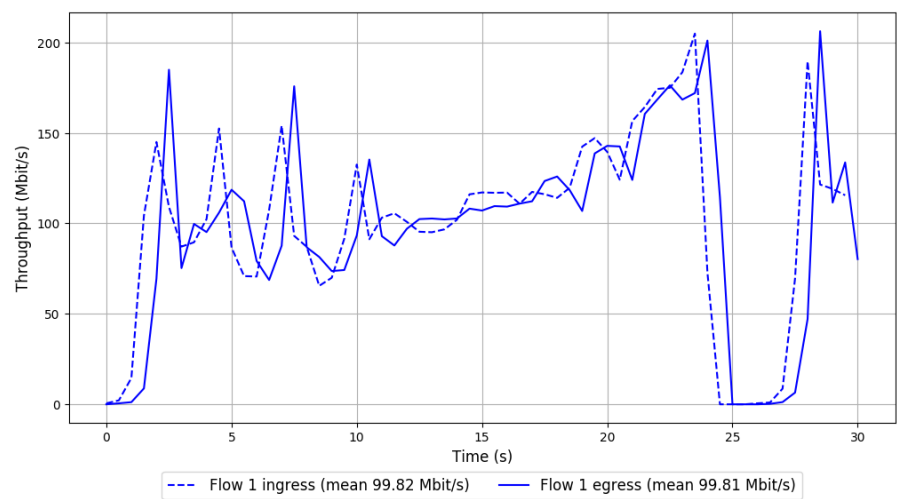


Run 3: Statistics of Copa

Start at: 2018-07-10 08:46:59
End at: 2018-07-10 08:47:29
Local clock offset: -0.007 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-10 11:38:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 99.81 Mbit/s
95th percentile per-packet one-way delay: 91.546 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 99.81 Mbit/s
95th percentile per-packet one-way delay: 91.546 ms
Loss rate: 0.65%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-10 09:08:47

End at: 2018-07-10 09:09:17

Local clock offset: 0.121 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-07-10 11:38:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 108.76 Mbit/s

95th percentile per-packet one-way delay: 93.347 ms

Loss rate: 1.54%

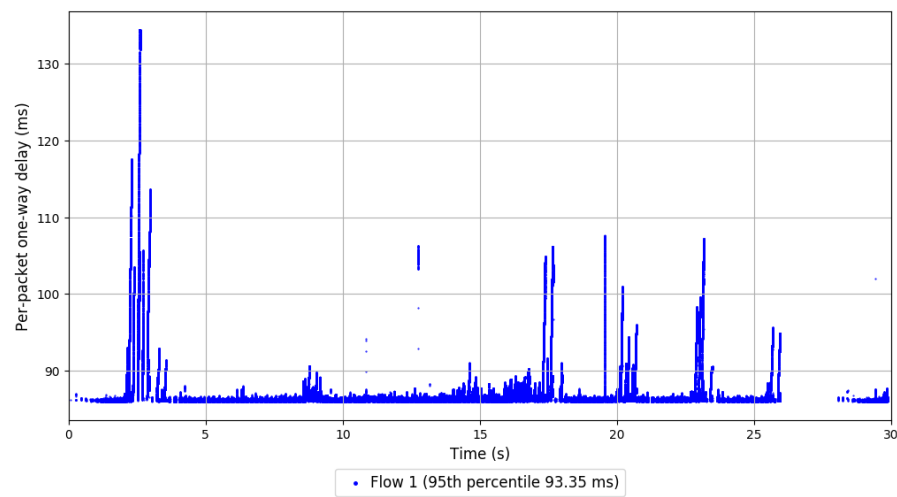
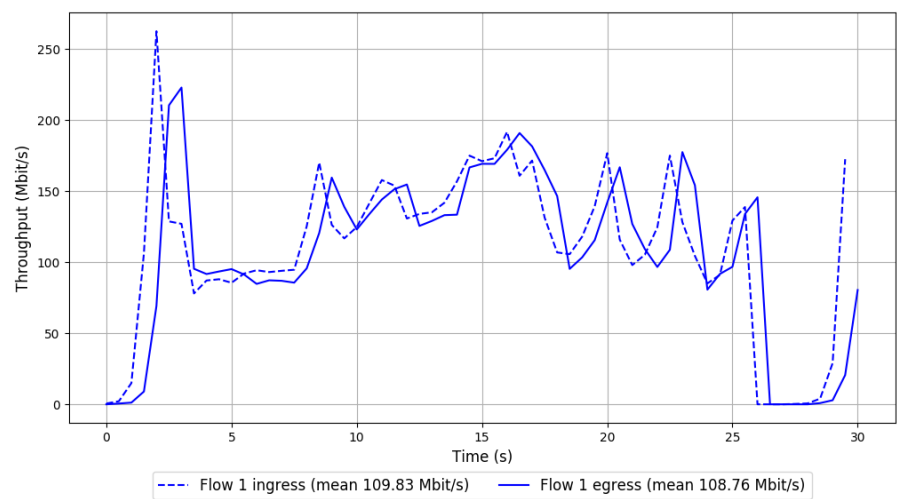
-- Flow 1:

Average throughput: 108.76 Mbit/s

95th percentile per-packet one-way delay: 93.347 ms

Loss rate: 1.54%

Run 4: Report of Copa — Data Link

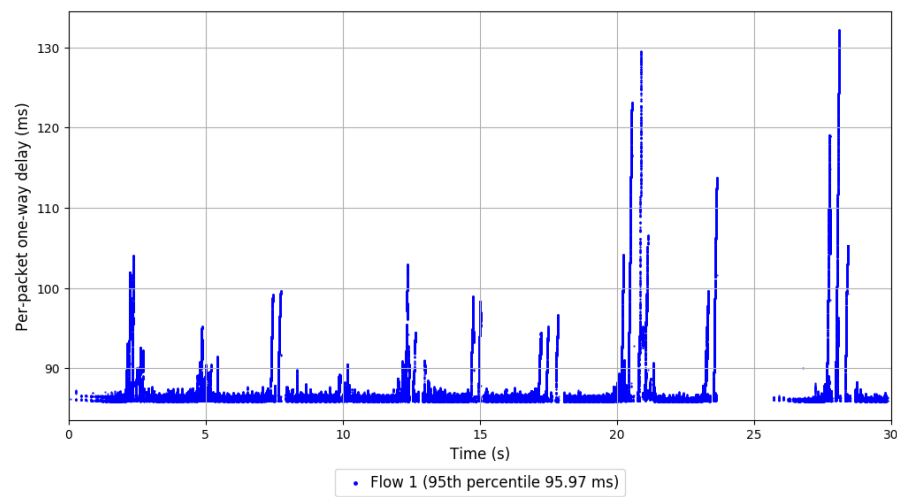
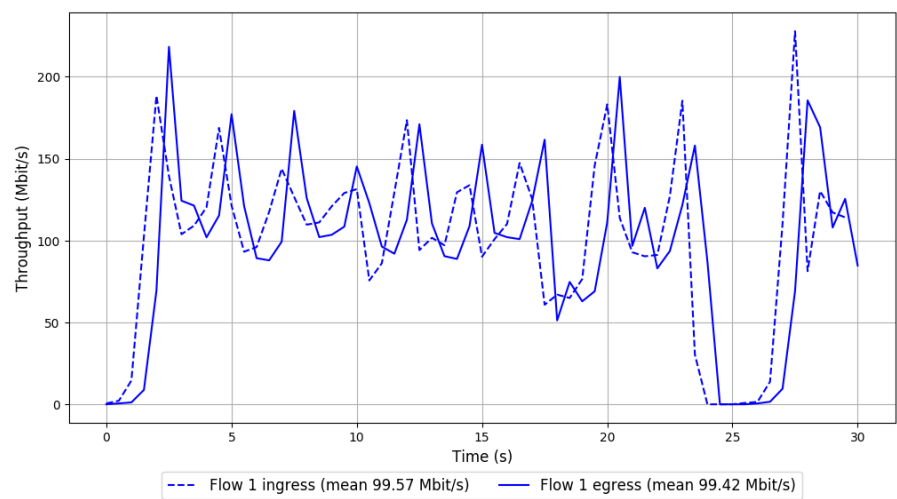


Run 5: Statistics of Copa

Start at: 2018-07-10 09:30:16
End at: 2018-07-10 09:30:46
Local clock offset: 0.028 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-10 11:38:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 99.42 Mbit/s
95th percentile per-packet one-way delay: 95.965 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 99.42 Mbit/s
95th percentile per-packet one-way delay: 95.965 ms
Loss rate: 0.73%

Run 5: Report of Copa — Data Link

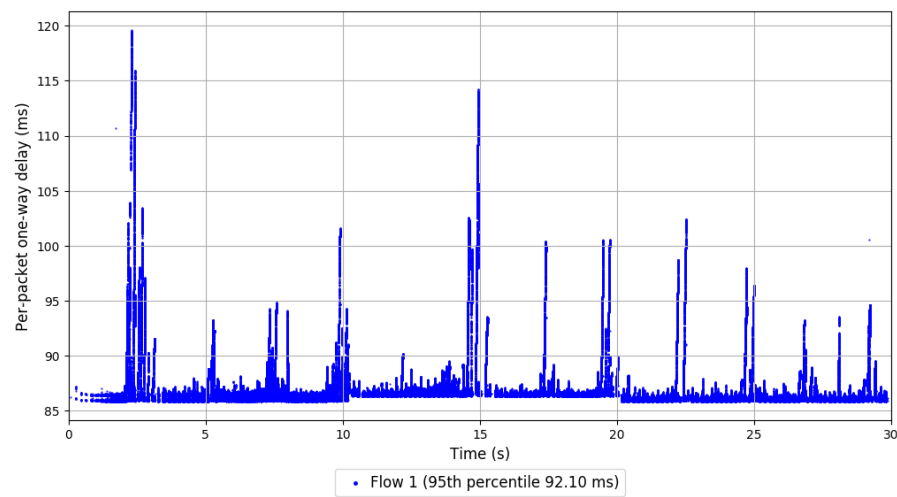
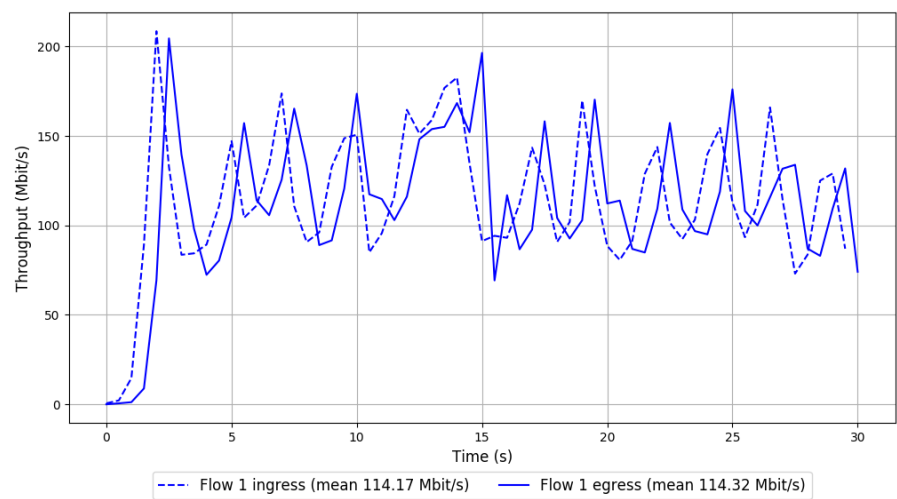


Run 6: Statistics of Copa

Start at: 2018-07-10 09:51:57
End at: 2018-07-10 09:52:27
Local clock offset: -0.044 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-10 11:38:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 114.32 Mbit/s
95th percentile per-packet one-way delay: 92.104 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 114.32 Mbit/s
95th percentile per-packet one-way delay: 92.104 ms
Loss rate: 0.45%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-07-10 10:13:27

End at: 2018-07-10 10:13:57

Local clock offset: -0.1 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-07-10 11:39:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.82 Mbit/s

95th percentile per-packet one-way delay: 92.283 ms

Loss rate: 0.67%

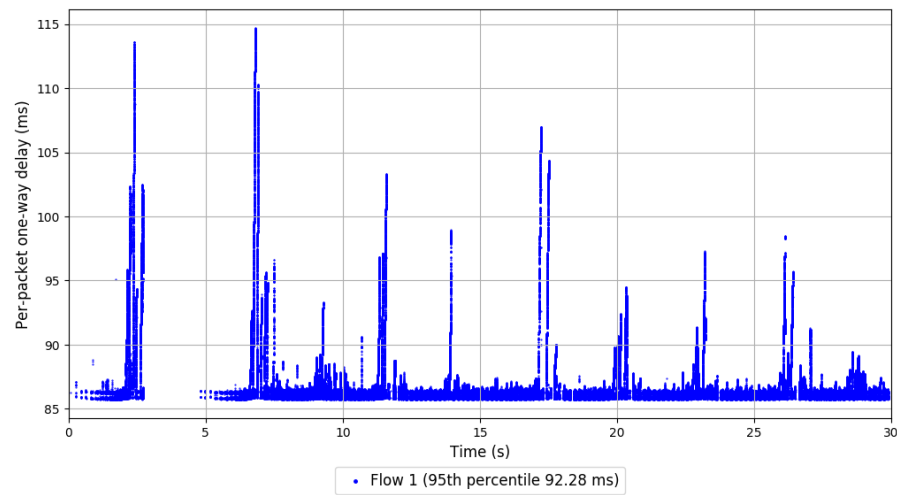
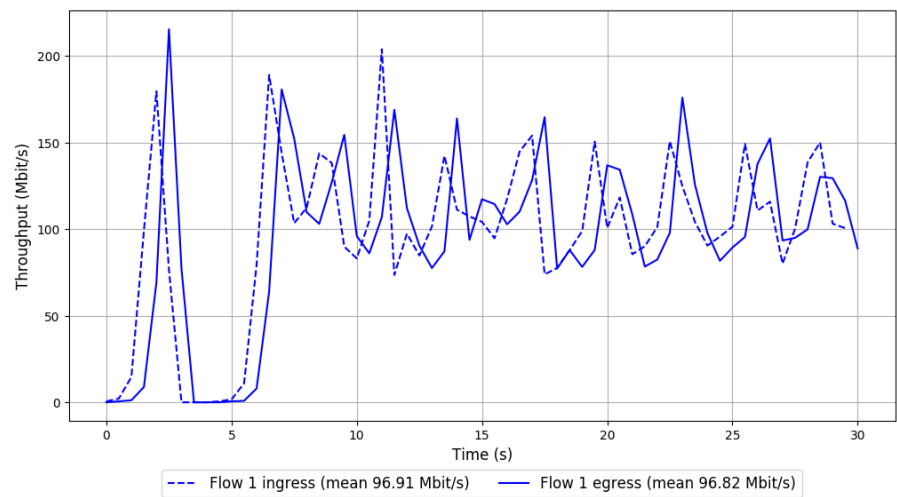
-- Flow 1:

Average throughput: 96.82 Mbit/s

95th percentile per-packet one-way delay: 92.283 ms

Loss rate: 0.67%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-10 10:34:46

End at: 2018-07-10 10:35:16

Local clock offset: 0.012 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2018-07-10 11:39:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.54 Mbit/s

95th percentile per-packet one-way delay: 94.405 ms

Loss rate: 0.76%

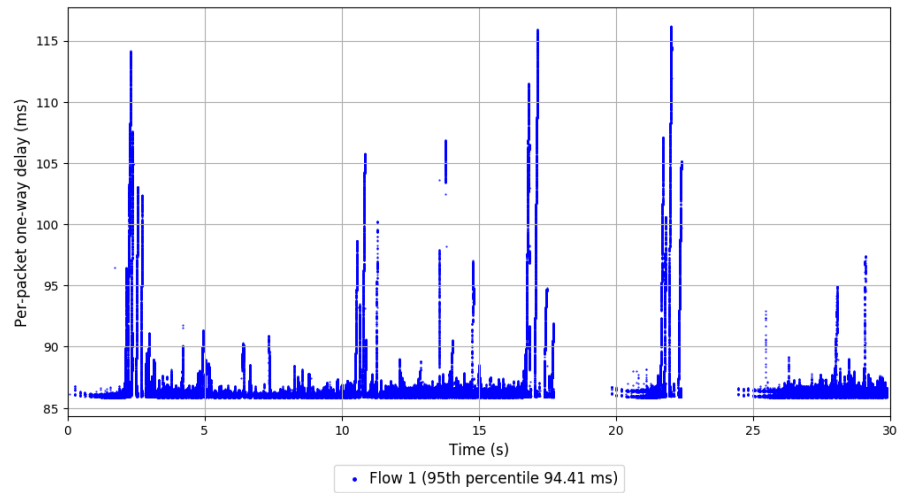
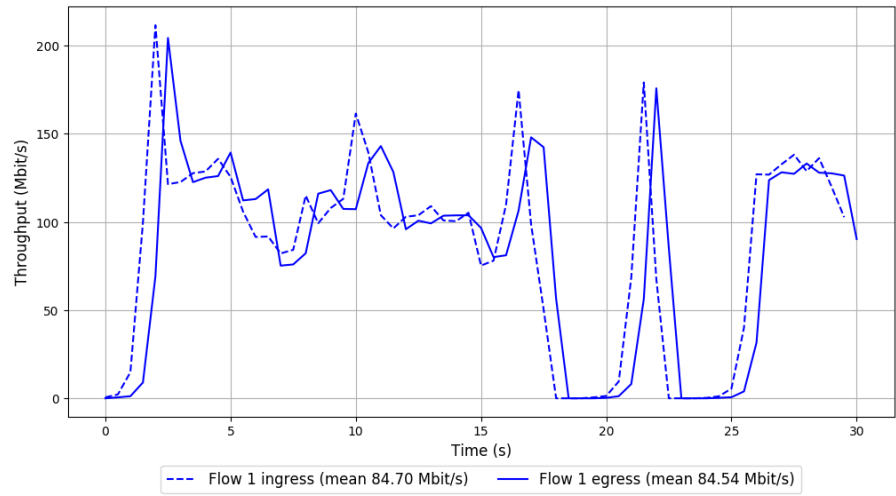
-- Flow 1:

Average throughput: 84.54 Mbit/s

95th percentile per-packet one-way delay: 94.405 ms

Loss rate: 0.76%

Run 8: Report of Copa — Data Link

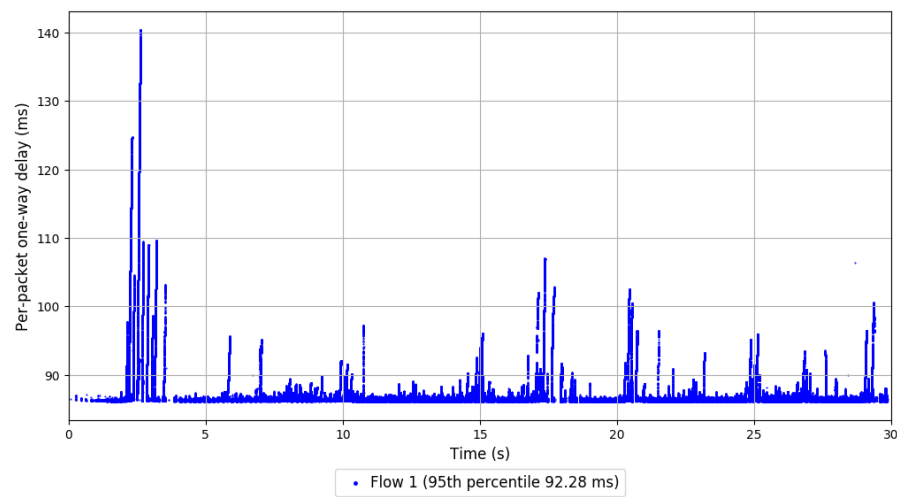
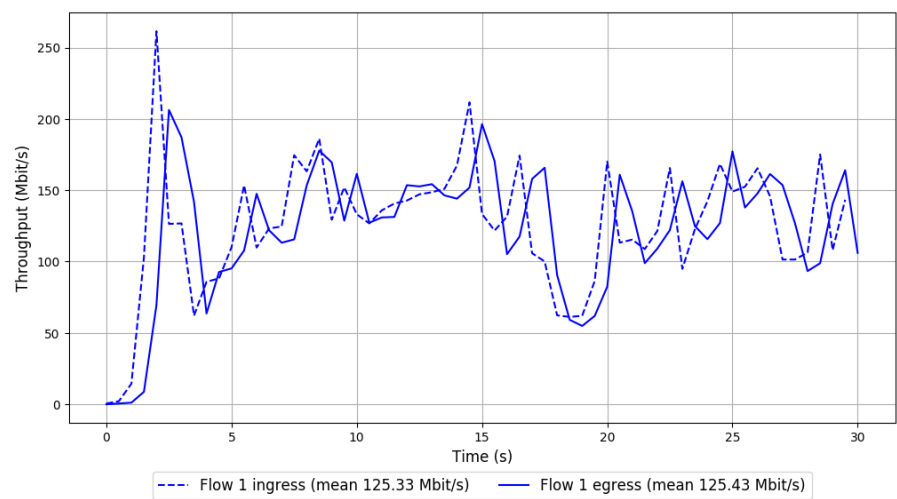


Run 9: Statistics of Copa

Start at: 2018-07-10 10:56:27
End at: 2018-07-10 10:56:57
Local clock offset: 0.175 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-10 11:42:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 125.43 Mbit/s
95th percentile per-packet one-way delay: 92.279 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 125.43 Mbit/s
95th percentile per-packet one-way delay: 92.279 ms
Loss rate: 0.50%

Run 9: Report of Copa — Data Link

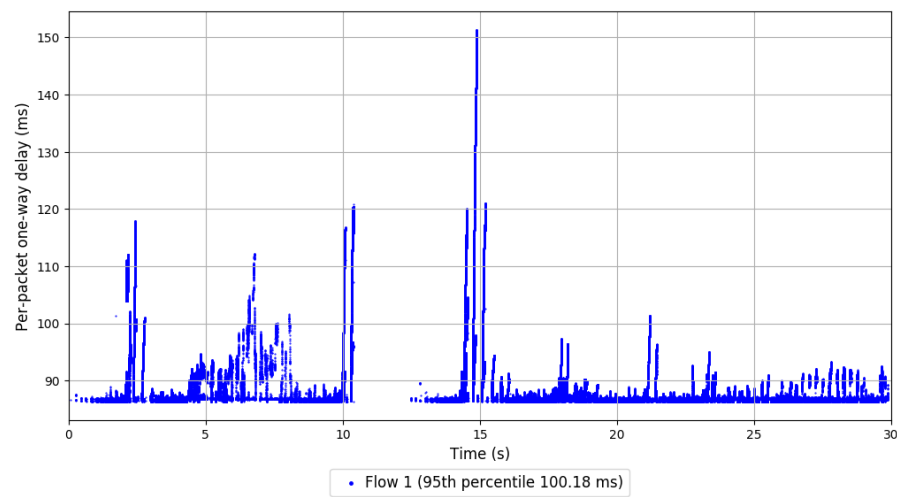
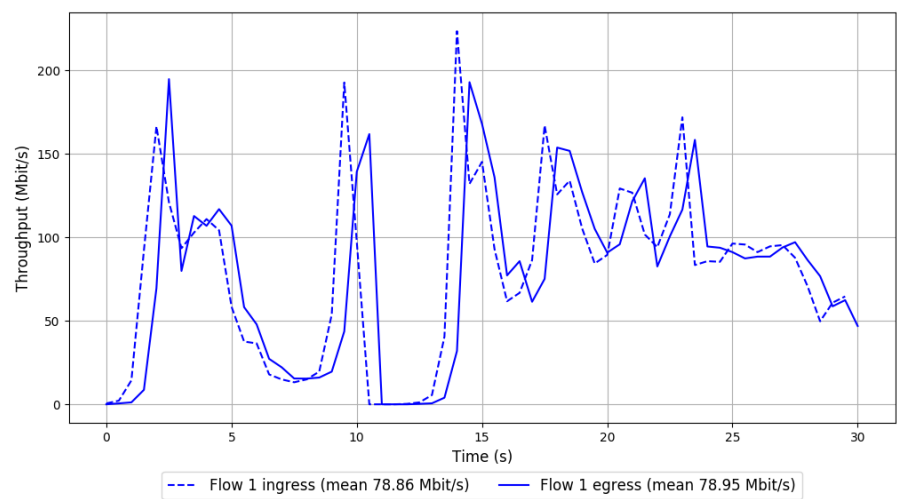


Run 10: Statistics of Copa

Start at: 2018-07-10 11:17:57
End at: 2018-07-10 11:18:27
Local clock offset: 0.27 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-10 11:42:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.95 Mbit/s
95th percentile per-packet one-way delay: 100.179 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 78.95 Mbit/s
95th percentile per-packet one-way delay: 100.179 ms
Loss rate: 0.46%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-10 07:50:30

End at: 2018-07-10 07:51:00

Local clock offset: -0.037 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-10 11:42:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.73 Mbit/s

95th percentile per-packet one-way delay: 97.820 ms

Loss rate: 0.61%

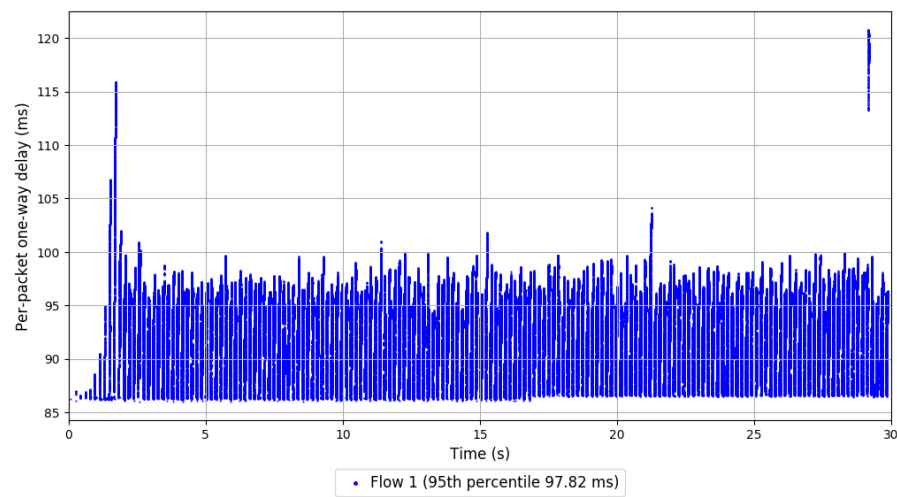
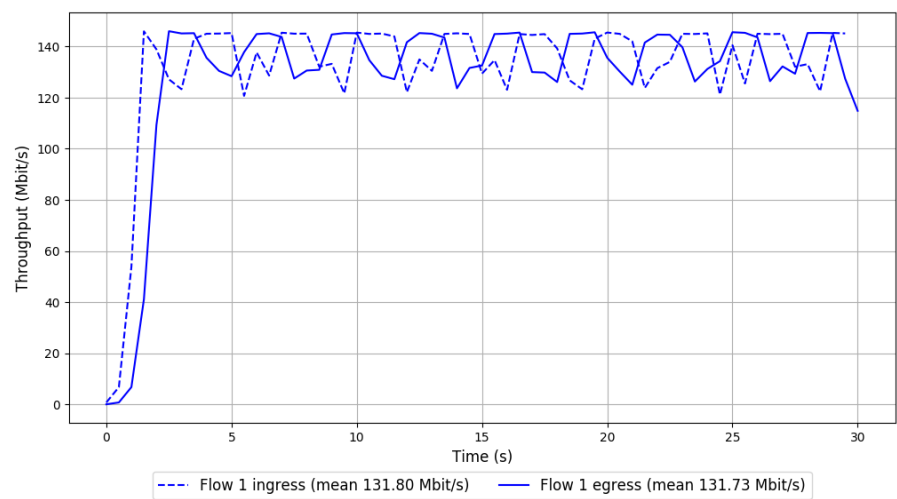
-- Flow 1:

Average throughput: 131.73 Mbit/s

95th percentile per-packet one-way delay: 97.820 ms

Loss rate: 0.61%

Run 1: Report of TCP Cubic — Data Link

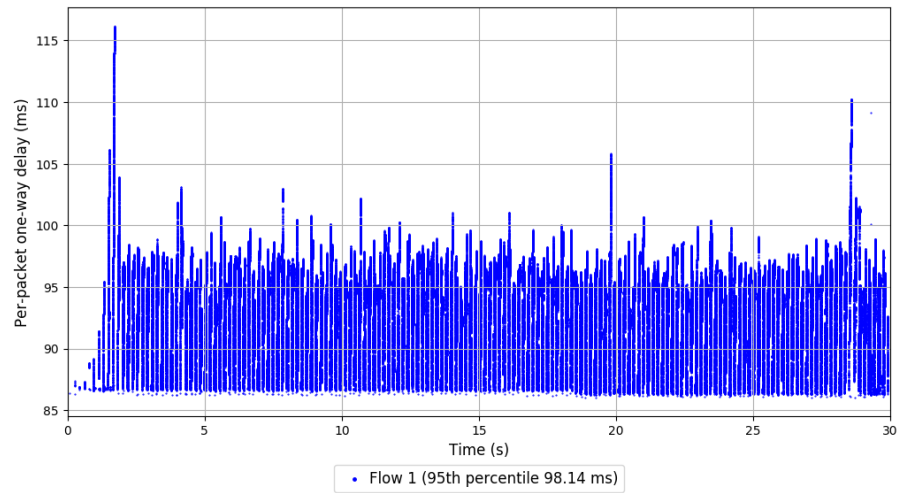
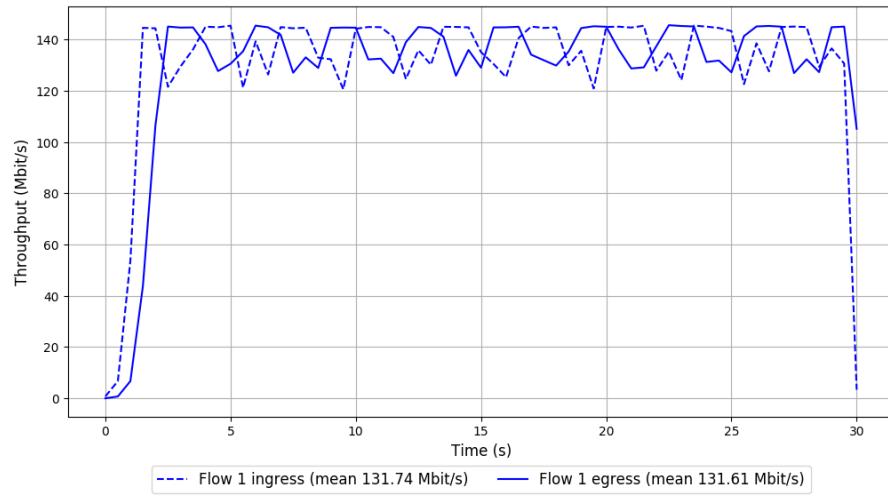


Run 2: Statistics of TCP Cubic

Start at: 2018-07-10 08:11:39
End at: 2018-07-10 08:12:09
Local clock offset: 0.059 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-10 11:42:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.61 Mbit/s
95th percentile per-packet one-way delay: 98.137 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 131.61 Mbit/s
95th percentile per-packet one-way delay: 98.137 ms
Loss rate: 0.67%

Run 2: Report of TCP Cubic — Data Link

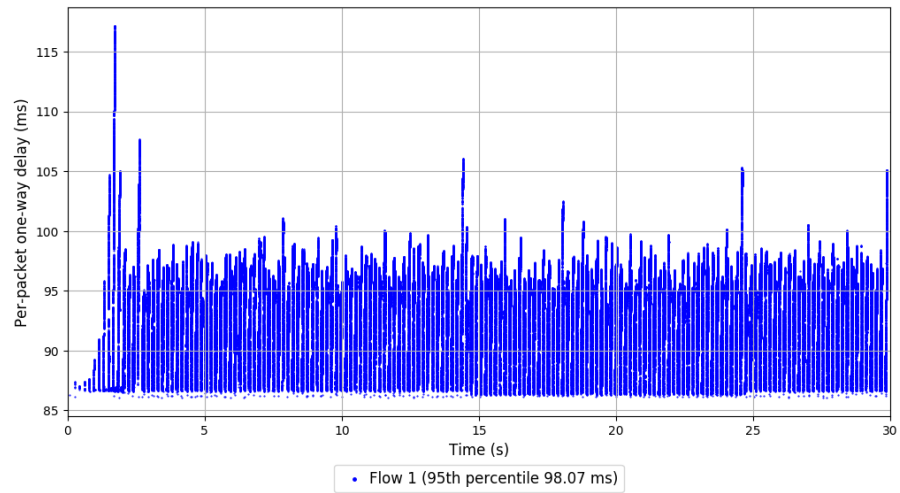
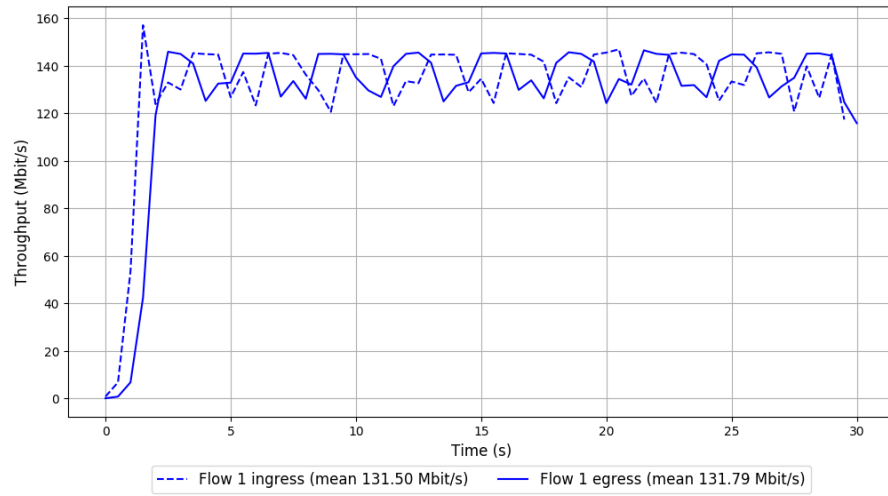


Run 3: Statistics of TCP Cubic

Start at: 2018-07-10 08:32:52
End at: 2018-07-10 08:33:22
Local clock offset: 0.092 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-10 11:42:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.79 Mbit/s
95th percentile per-packet one-way delay: 98.067 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 131.79 Mbit/s
95th percentile per-packet one-way delay: 98.067 ms
Loss rate: 0.29%

Run 3: Report of TCP Cubic — Data Link

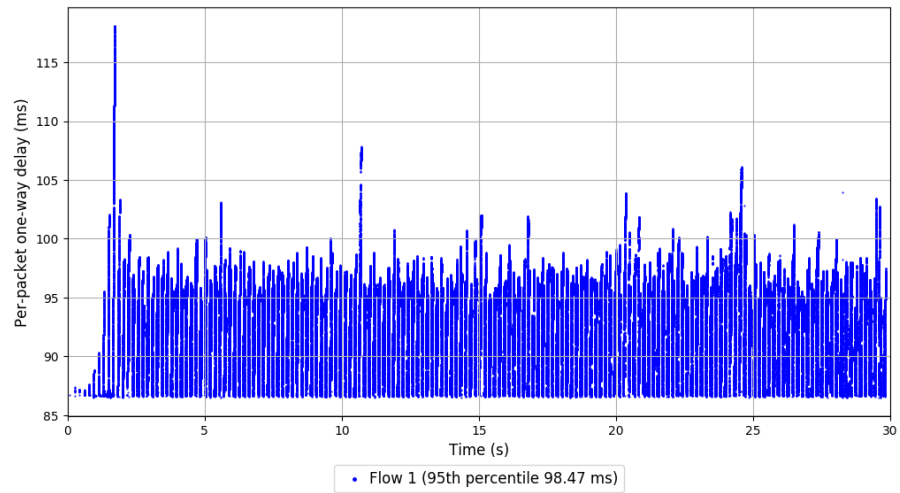
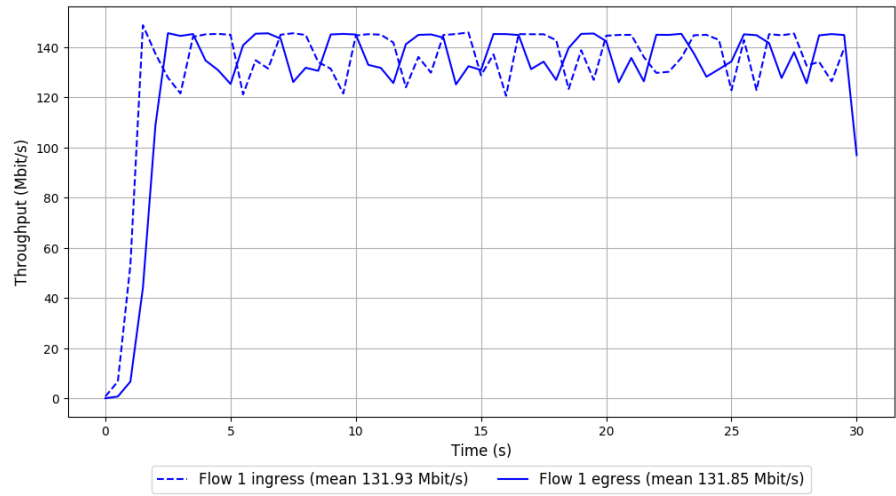


Run 4: Statistics of TCP Cubic

Start at: 2018-07-10 08:54:35
End at: 2018-07-10 08:55:05
Local clock offset: 0.026 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-10 11:42:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.85 Mbit/s
95th percentile per-packet one-way delay: 98.475 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 131.85 Mbit/s
95th percentile per-packet one-way delay: 98.475 ms
Loss rate: 0.61%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-10 09:16:18

End at: 2018-07-10 09:16:48

Local clock offset: 0.052 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-10 11:42:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.06 Mbit/s

95th percentile per-packet one-way delay: 98.214 ms

Loss rate: 0.66%

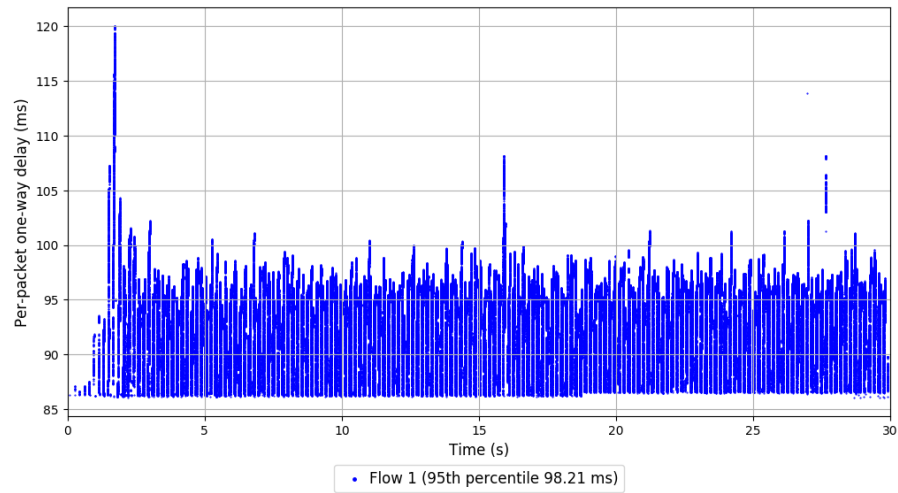
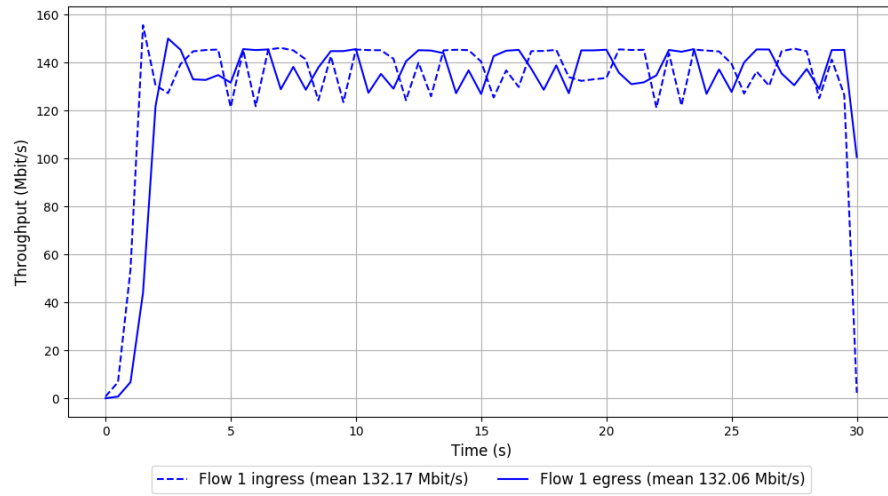
-- Flow 1:

Average throughput: 132.06 Mbit/s

95th percentile per-packet one-way delay: 98.214 ms

Loss rate: 0.66%

Run 5: Report of TCP Cubic — Data Link

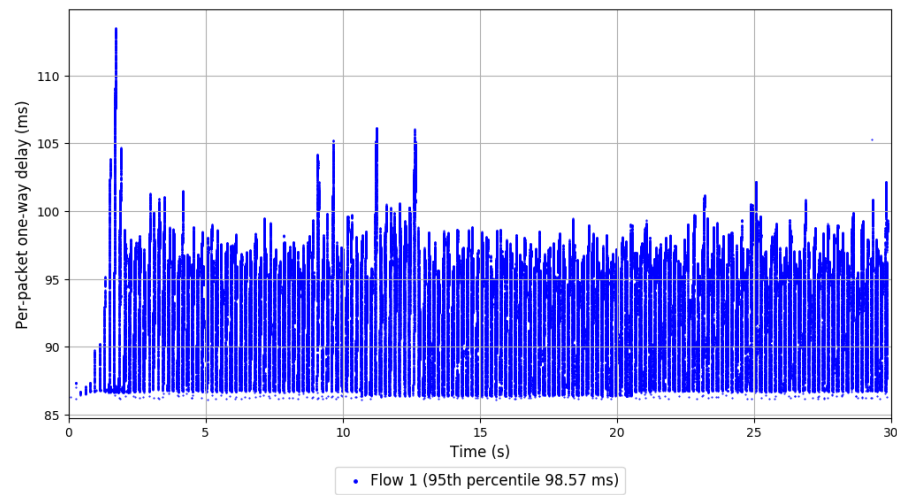
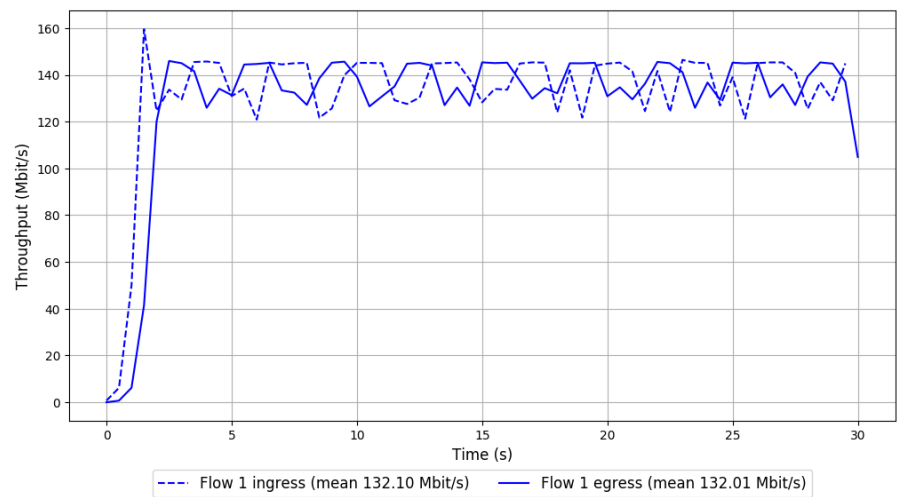


Run 6: Statistics of TCP Cubic

Start at: 2018-07-10 09:37:56
End at: 2018-07-10 09:38:26
Local clock offset: 0.21 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-10 11:42:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.01 Mbit/s
95th percentile per-packet one-way delay: 98.572 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 132.01 Mbit/s
95th percentile per-packet one-way delay: 98.572 ms
Loss rate: 0.61%

Run 6: Report of TCP Cubic — Data Link

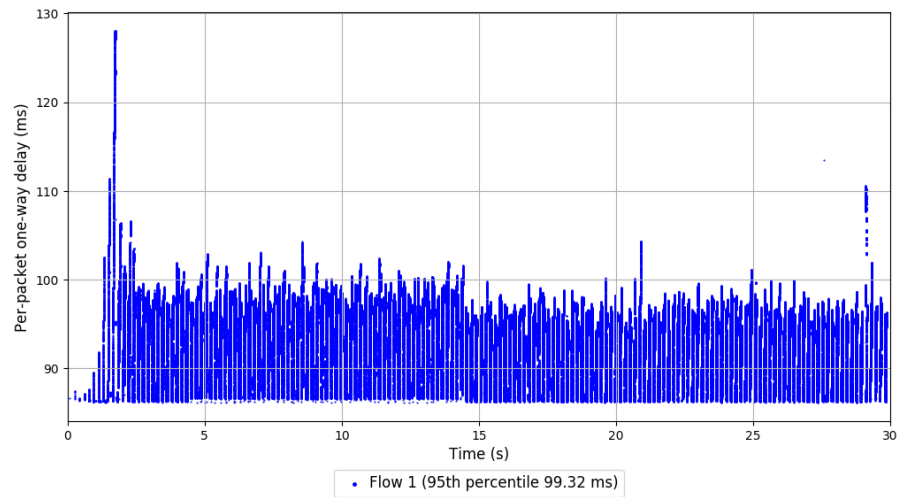
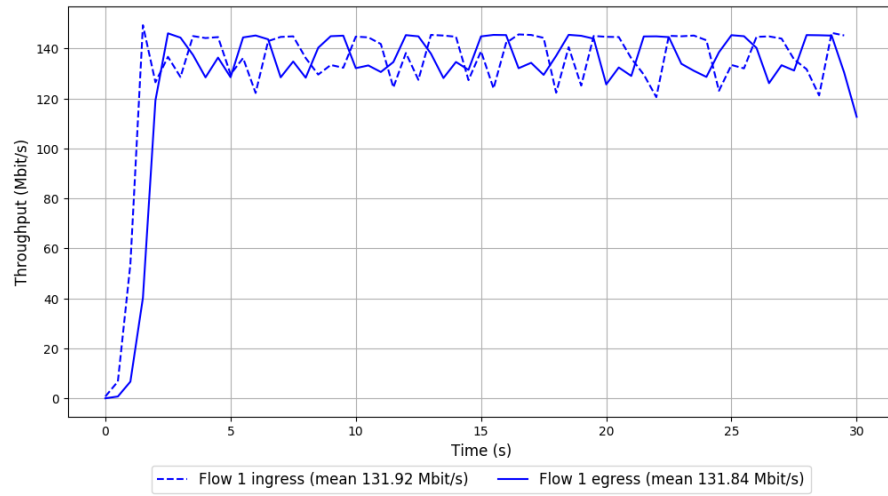


Run 7: Statistics of TCP Cubic

Start at: 2018-07-10 09:59:23
End at: 2018-07-10 09:59:53
Local clock offset: 0.023 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-10 11:42:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.84 Mbit/s
95th percentile per-packet one-way delay: 99.324 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 131.84 Mbit/s
95th percentile per-packet one-way delay: 99.324 ms
Loss rate: 0.61%

Run 7: Report of TCP Cubic — Data Link

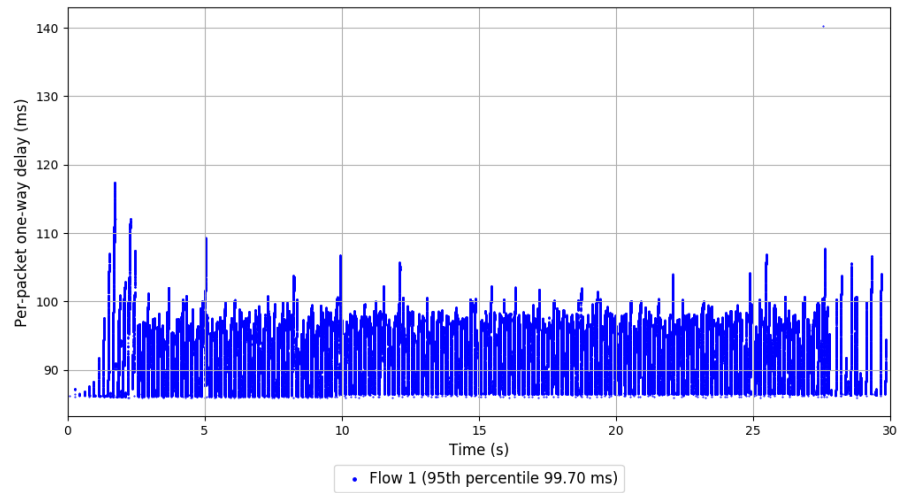
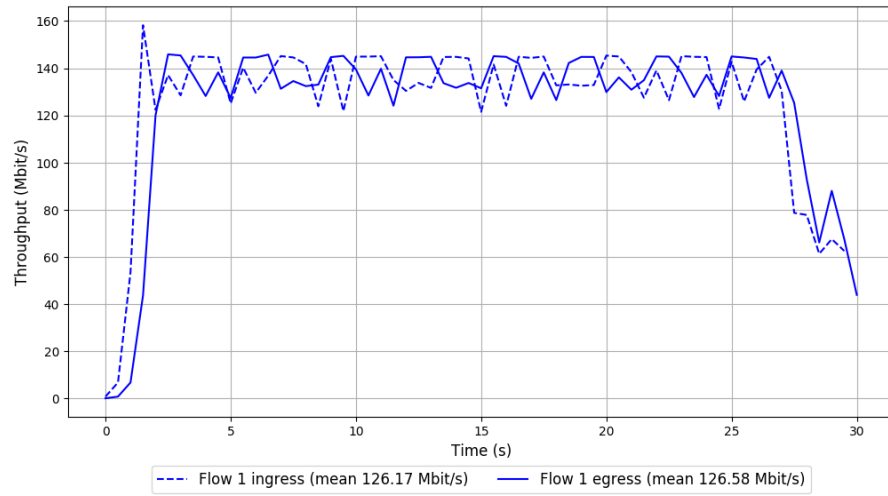


Run 8: Statistics of TCP Cubic

Start at: 2018-07-10 10:20:57
End at: 2018-07-10 10:21:27
Local clock offset: -0.081 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-07-10 11:42:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 126.58 Mbit/s
95th percentile per-packet one-way delay: 99.702 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 126.58 Mbit/s
95th percentile per-packet one-way delay: 99.702 ms
Loss rate: 0.25%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-10 10:42:13

End at: 2018-07-10 10:42:43

Local clock offset: -0.014 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-10 11:42:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 128.33 Mbit/s

95th percentile per-packet one-way delay: 99.940 ms

Loss rate: 0.07%

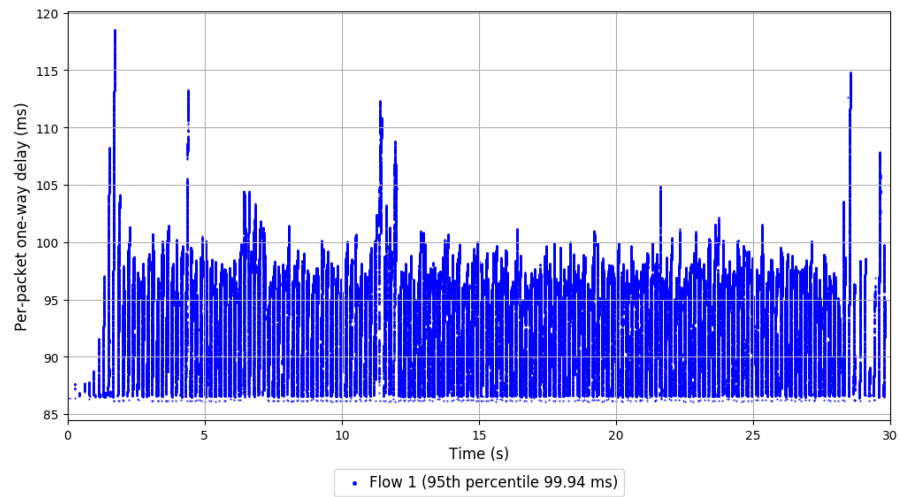
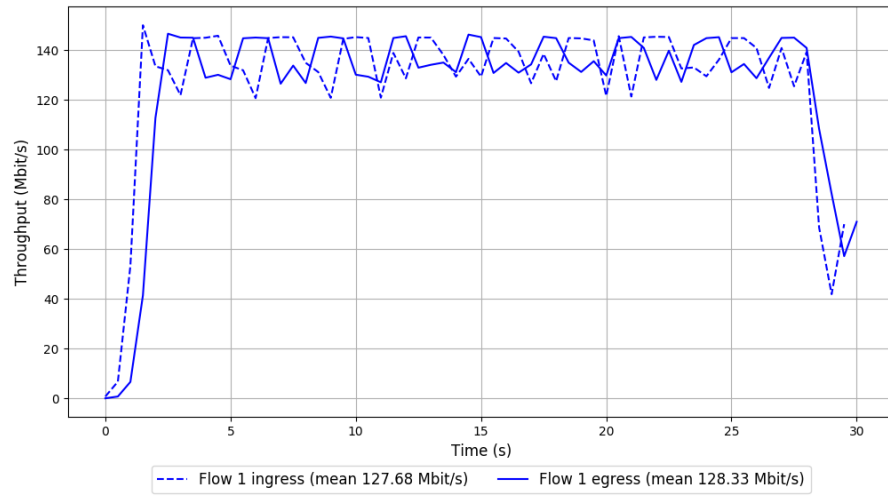
-- Flow 1:

Average throughput: 128.33 Mbit/s

95th percentile per-packet one-way delay: 99.940 ms

Loss rate: 0.07%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-10 11:04:05

End at: 2018-07-10 11:04:35

Local clock offset: 0.122 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-07-10 11:42:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 122.77 Mbit/s

95th percentile per-packet one-way delay: 98.170 ms

Loss rate: 0.41%

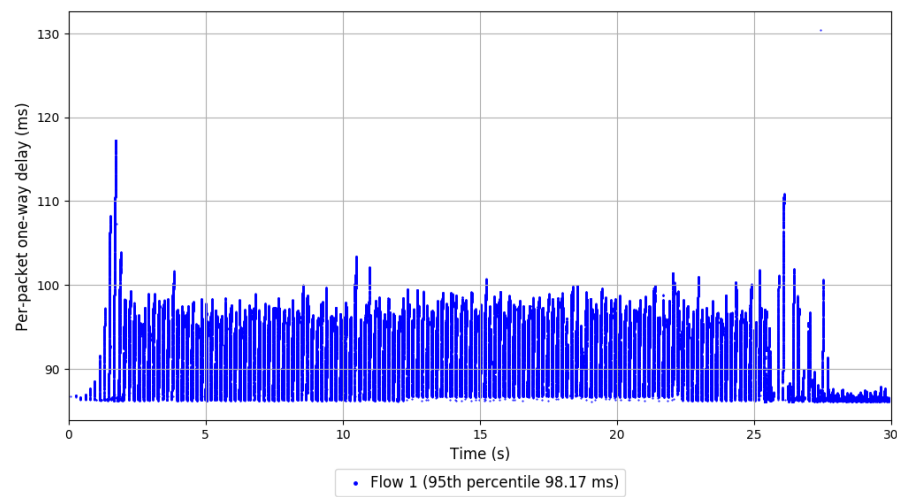
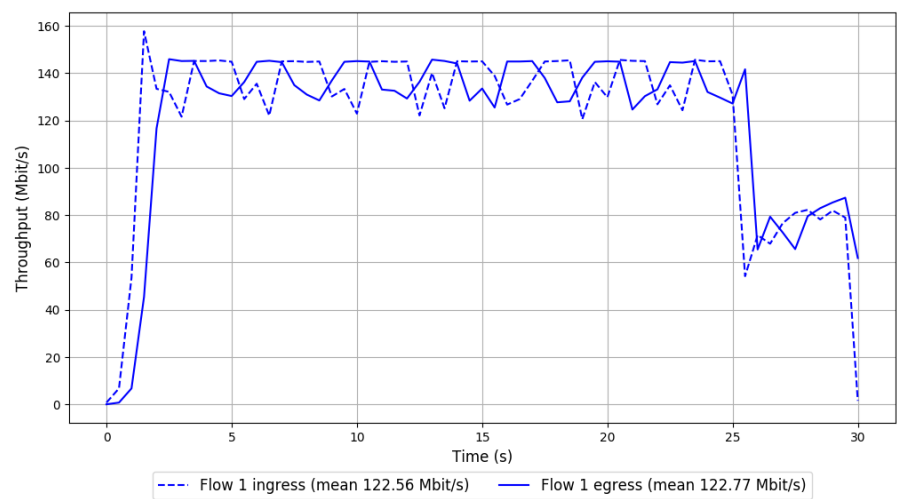
-- Flow 1:

Average throughput: 122.77 Mbit/s

95th percentile per-packet one-way delay: 98.170 ms

Loss rate: 0.41%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

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

End at: 2018-07-10 07:58:25

Local clock offset: 0.05 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-10 11:42:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.58 Mbit/s

95th percentile per-packet one-way delay: 327.504 ms

Loss rate: 4.63%

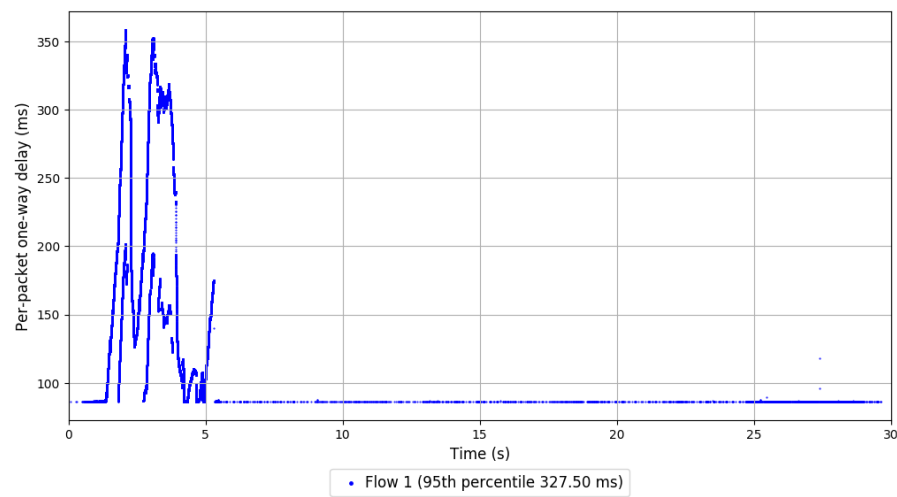
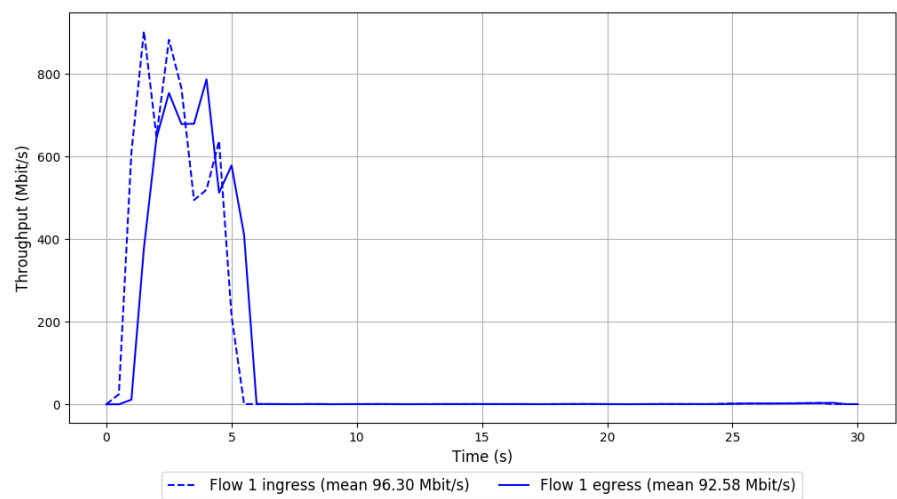
-- Flow 1:

Average throughput: 92.58 Mbit/s

95th percentile per-packet one-way delay: 327.504 ms

Loss rate: 4.63%

Run 1: Report of FillP — Data Link

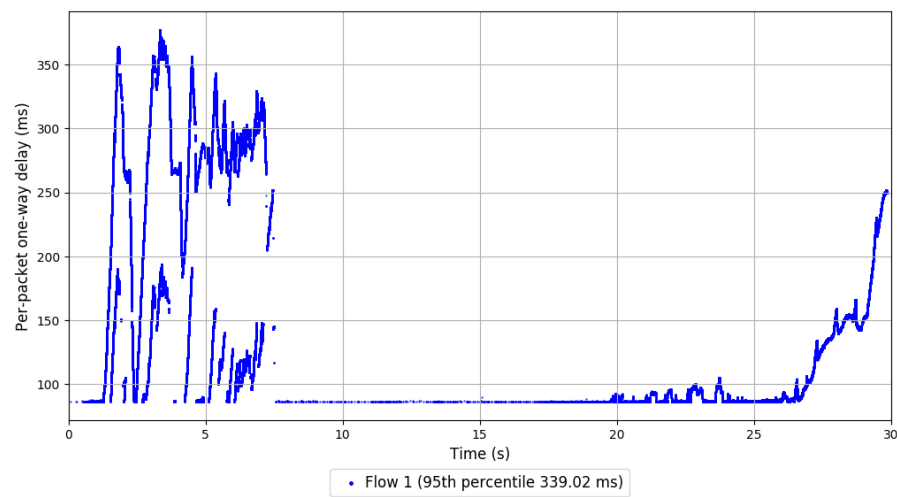
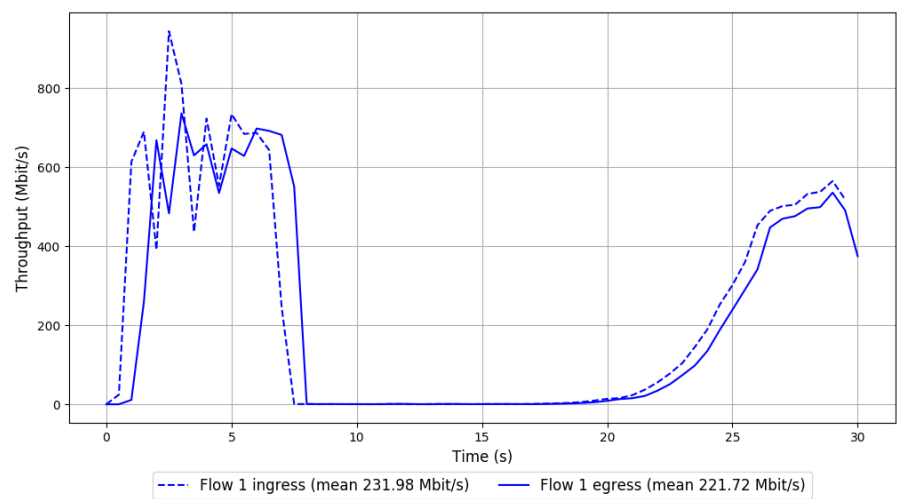


Run 2: Statistics of FillP

Start at: 2018-07-10 08:18:54
End at: 2018-07-10 08:19:24
Local clock offset: 0.111 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-10 11:46:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.72 Mbit/s
95th percentile per-packet one-way delay: 339.023 ms
Loss rate: 4.97%
-- Flow 1:
Average throughput: 221.72 Mbit/s
95th percentile per-packet one-way delay: 339.023 ms
Loss rate: 4.97%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-10 08:40:24

End at: 2018-07-10 08:40:54

Local clock offset: 0.183 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-10 11:52:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 525.92 Mbit/s

95th percentile per-packet one-way delay: 295.657 ms

Loss rate: 1.34%

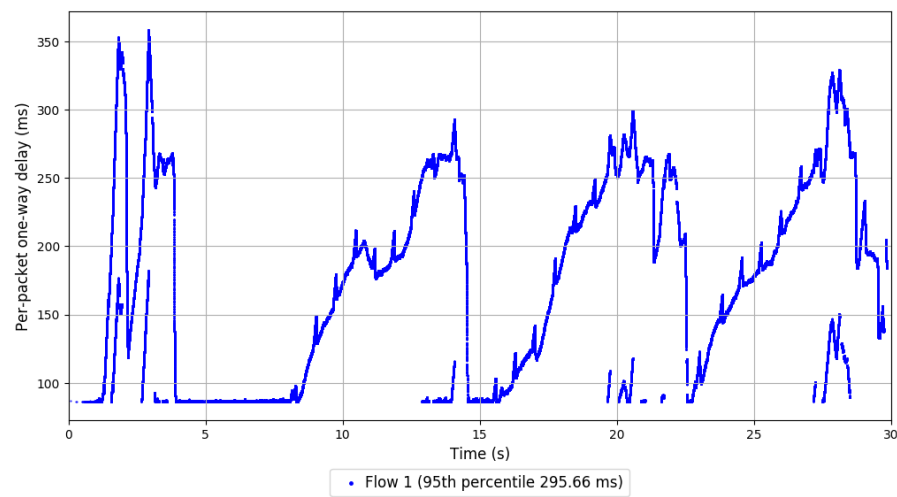
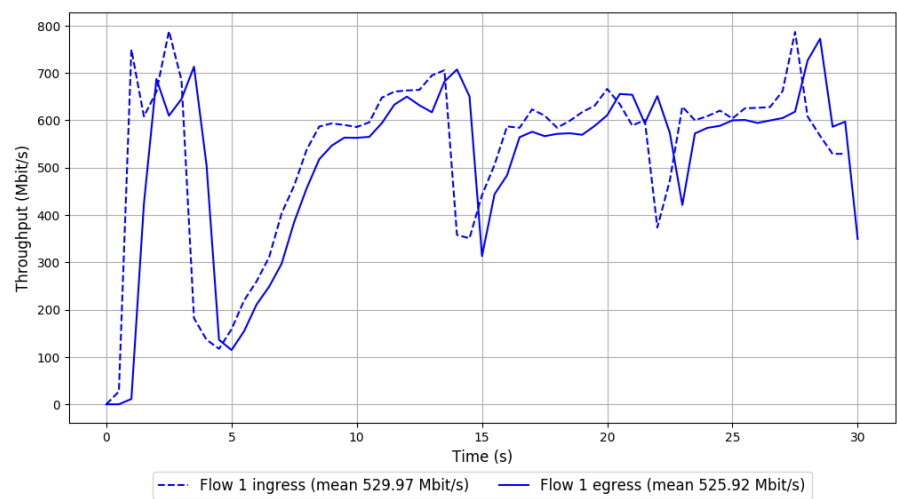
-- Flow 1:

Average throughput: 525.92 Mbit/s

95th percentile per-packet one-way delay: 295.657 ms

Loss rate: 1.34%

Run 3: Report of FillP — Data Link

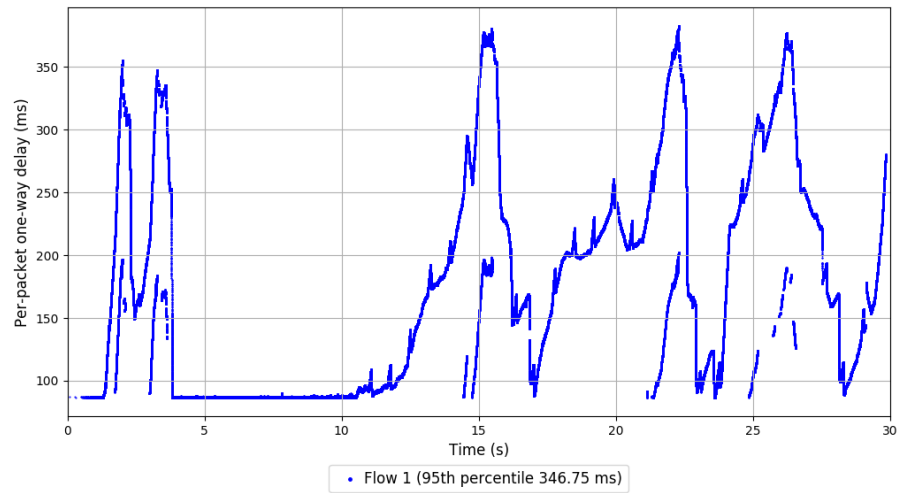
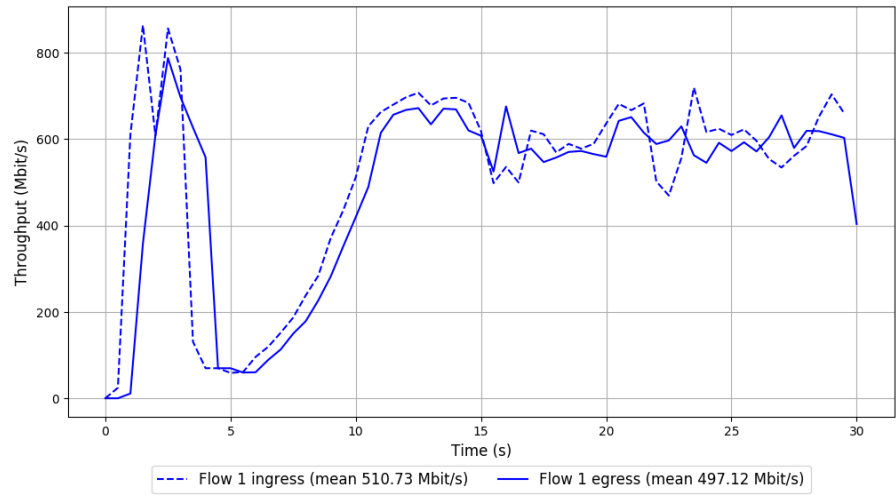


Run 4: Statistics of FillP

Start at: 2018-07-10 09:02:02
End at: 2018-07-10 09:02:32
Local clock offset: 0.181 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-07-10 11:52:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 497.12 Mbit/s
95th percentile per-packet one-way delay: 346.748 ms
Loss rate: 3.23%
-- Flow 1:
Average throughput: 497.12 Mbit/s
95th percentile per-packet one-way delay: 346.748 ms
Loss rate: 3.23%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-10 09:23:41

End at: 2018-07-10 09:24:11

Local clock offset: -0.056 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-10 11:52:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 266.67 Mbit/s

95th percentile per-packet one-way delay: 322.850 ms

Loss rate: 4.27%

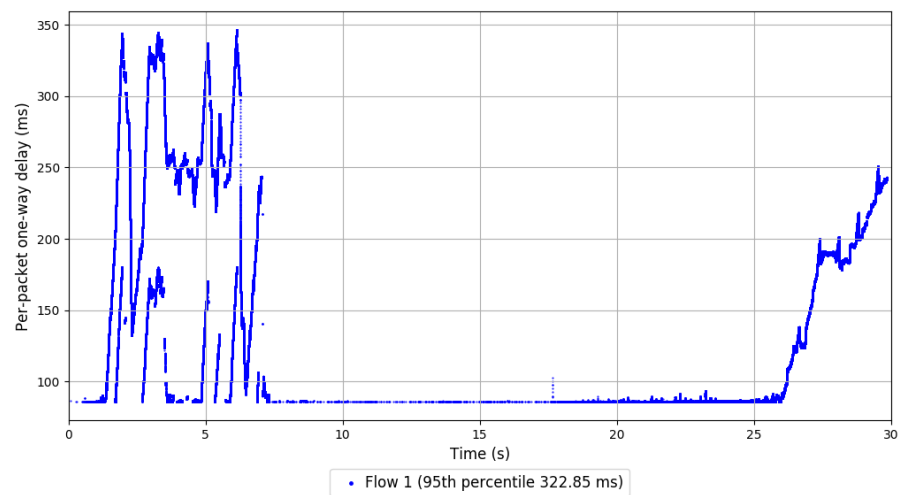
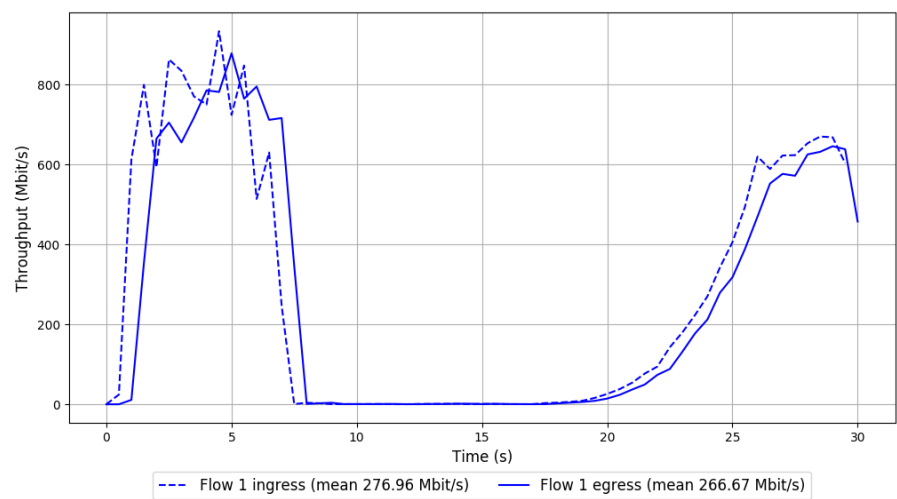
-- Flow 1:

Average throughput: 266.67 Mbit/s

95th percentile per-packet one-way delay: 322.850 ms

Loss rate: 4.27%

Run 5: Report of FillP — Data Link

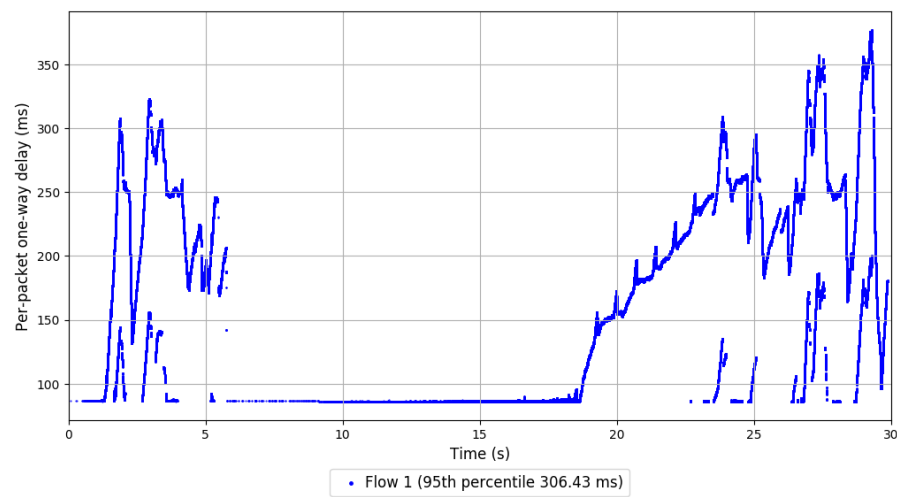
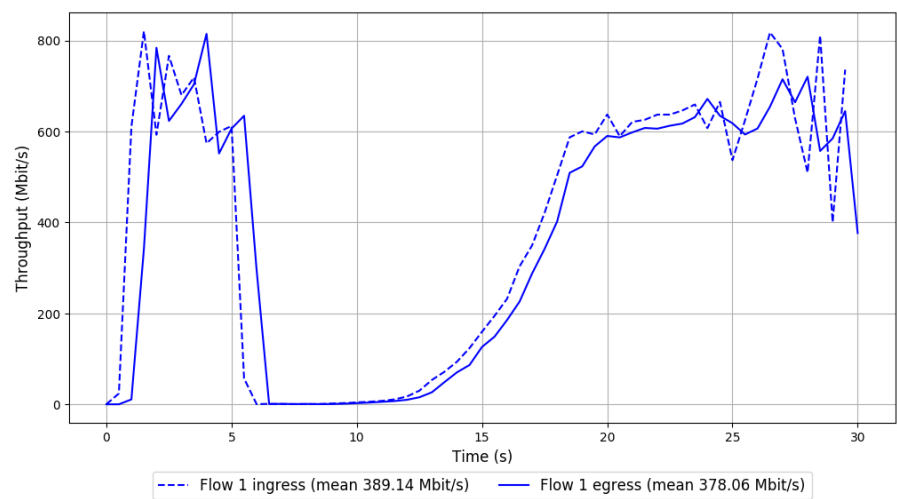


Run 6: Statistics of FillP

Start at: 2018-07-10 09:45:18
End at: 2018-07-10 09:45:48
Local clock offset: -0.026 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-10 11:52:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 378.06 Mbit/s
95th percentile per-packet one-way delay: 306.427 ms
Loss rate: 3.41%
-- Flow 1:
Average throughput: 378.06 Mbit/s
95th percentile per-packet one-way delay: 306.427 ms
Loss rate: 3.41%

Run 6: Report of FillP — Data Link

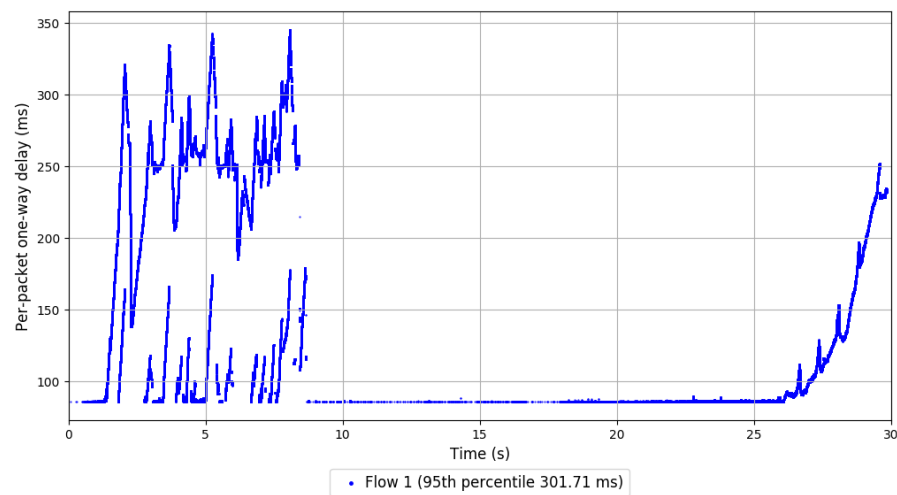
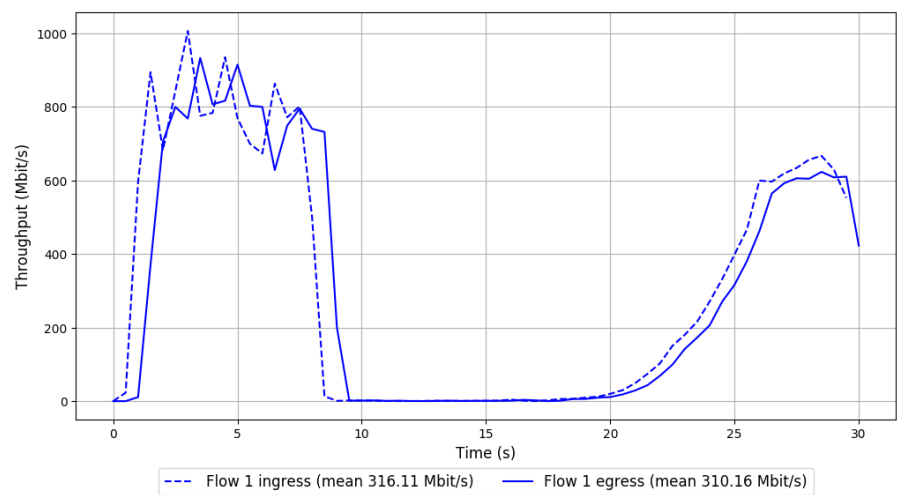


Run 7: Statistics of FillP

Start at: 2018-07-10 10:06:52
End at: 2018-07-10 10:07:22
Local clock offset: -0.049 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-07-10 11:52:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 310.16 Mbit/s
95th percentile per-packet one-way delay: 301.706 ms
Loss rate: 2.45%
-- Flow 1:
Average throughput: 310.16 Mbit/s
95th percentile per-packet one-way delay: 301.706 ms
Loss rate: 2.45%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-10 10:28:17

End at: 2018-07-10 10:28:47

Local clock offset: -0.294 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-10 11:52:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 248.36 Mbit/s

95th percentile per-packet one-way delay: 321.423 ms

Loss rate: 2.35%

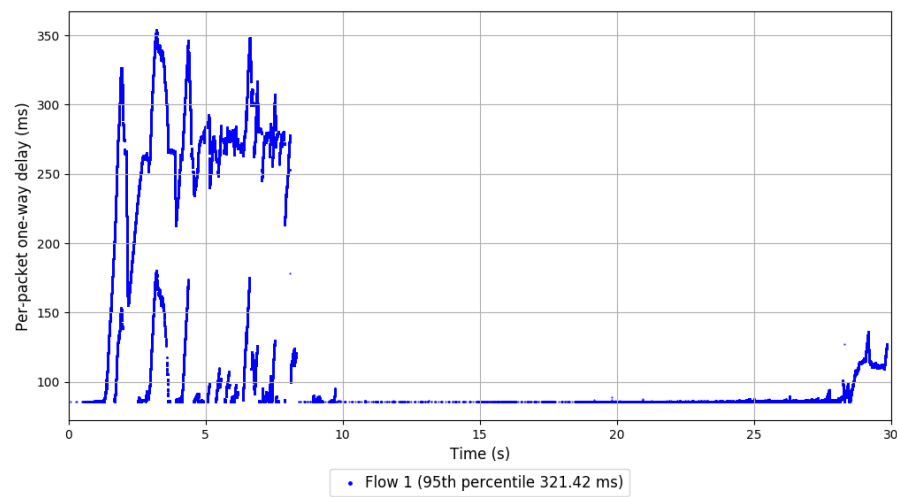
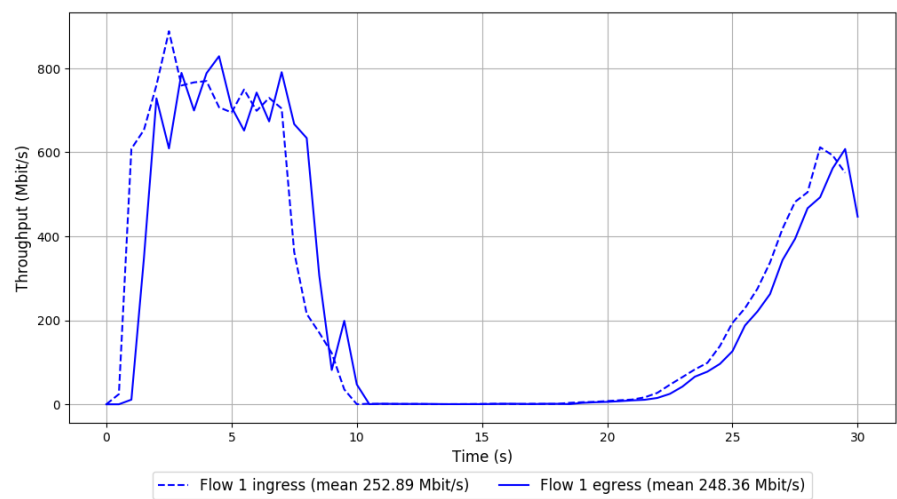
-- Flow 1:

Average throughput: 248.36 Mbit/s

95th percentile per-packet one-way delay: 321.423 ms

Loss rate: 2.35%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-10 10:49:40

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

Local clock offset: -0.057 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-10 11:55:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 630.61 Mbit/s

95th percentile per-packet one-way delay: 300.888 ms

Loss rate: 1.67%

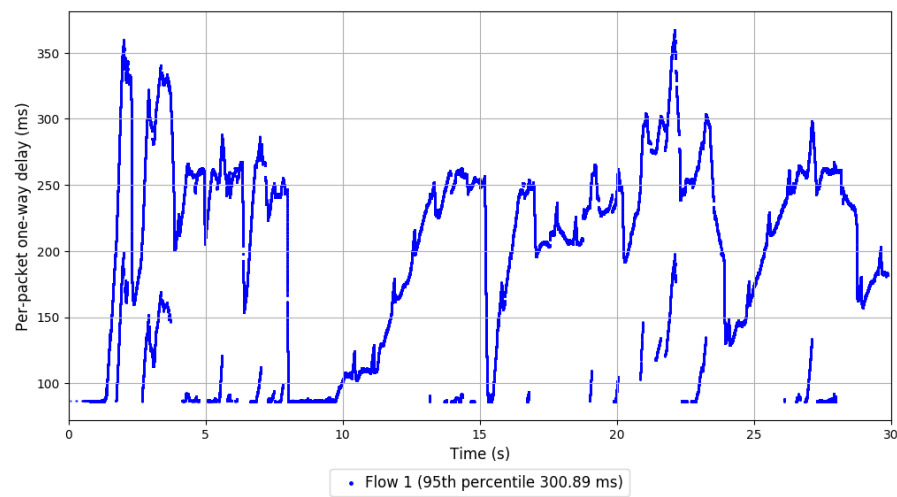
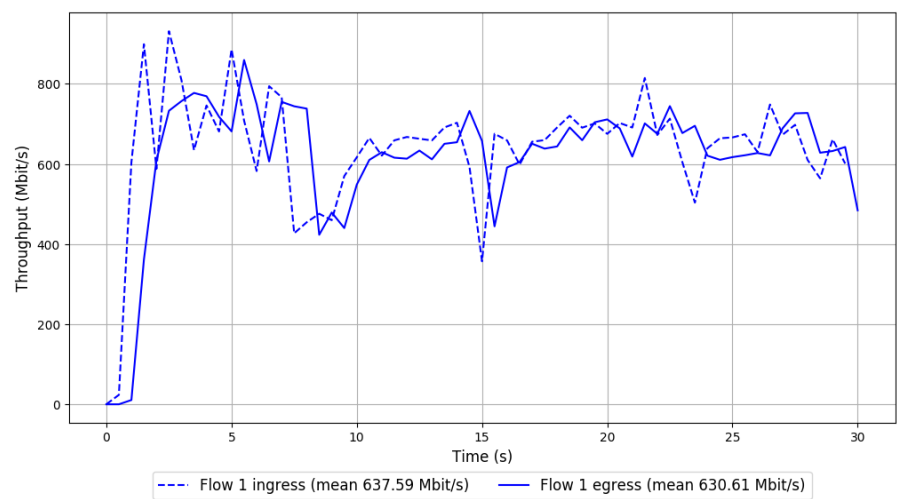
-- Flow 1:

Average throughput: 630.61 Mbit/s

95th percentile per-packet one-way delay: 300.888 ms

Loss rate: 1.67%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-10 11:11:19

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

Local clock offset: -0.081 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-07-10 11:56:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 471.88 Mbit/s

95th percentile per-packet one-way delay: 298.946 ms

Loss rate: 2.09%

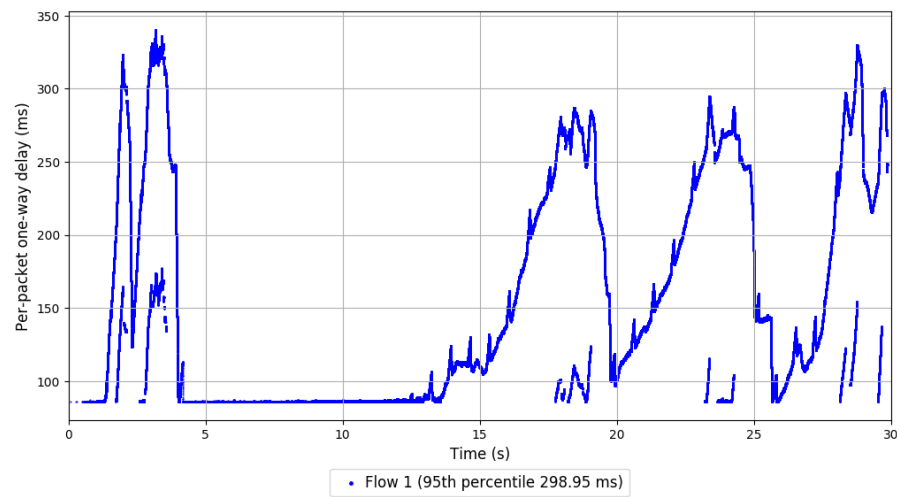
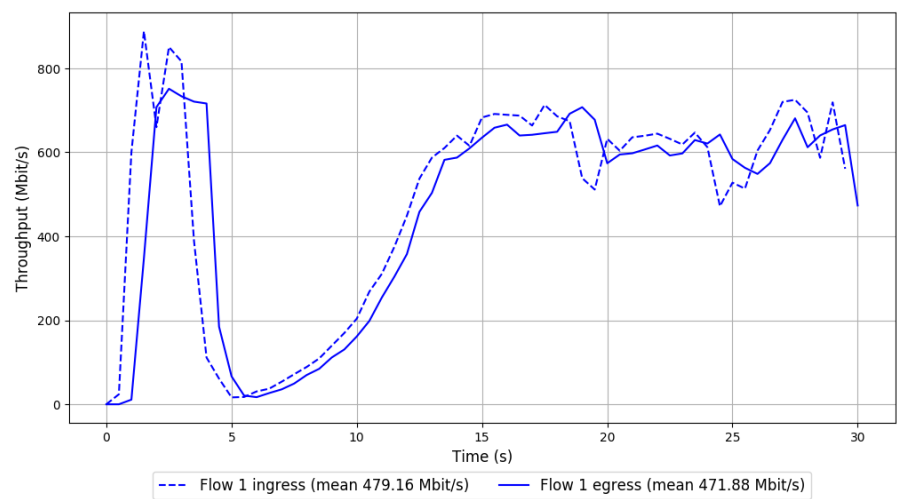
-- Flow 1:

Average throughput: 471.88 Mbit/s

95th percentile per-packet one-way delay: 298.946 ms

Loss rate: 2.09%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-10 07:56:28

End at: 2018-07-10 07:56:58

Local clock offset: -0.02 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-10 11:56:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 421.02 Mbit/s

95th percentile per-packet one-way delay: 339.885 ms

Loss rate: 7.06%

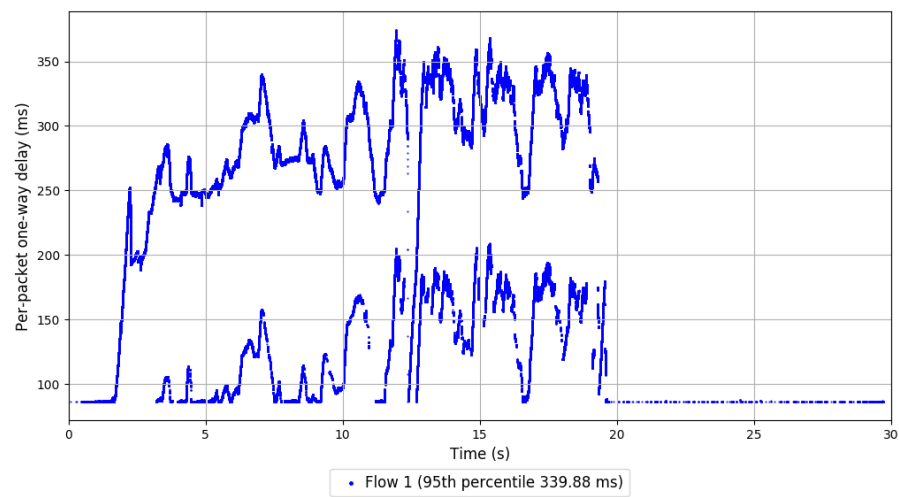
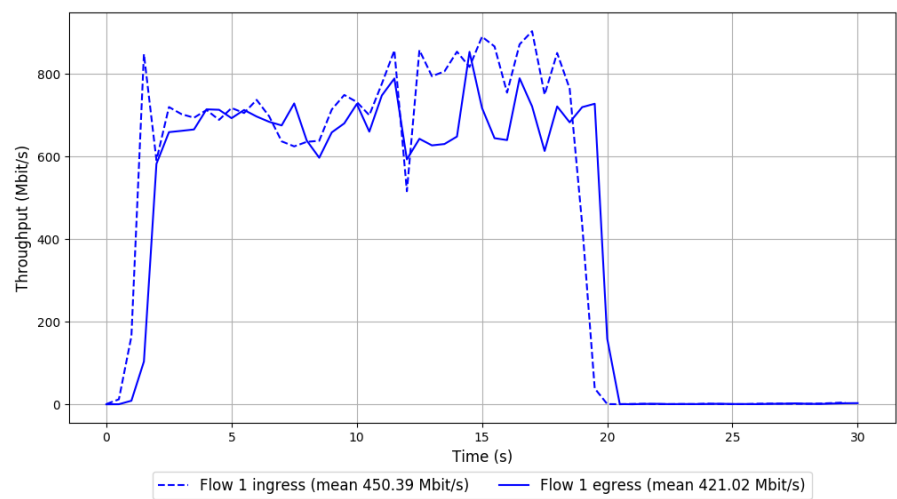
-- Flow 1:

Average throughput: 421.02 Mbit/s

95th percentile per-packet one-way delay: 339.885 ms

Loss rate: 7.06%

Run 1: Report of FillP-Sheep — Data Link

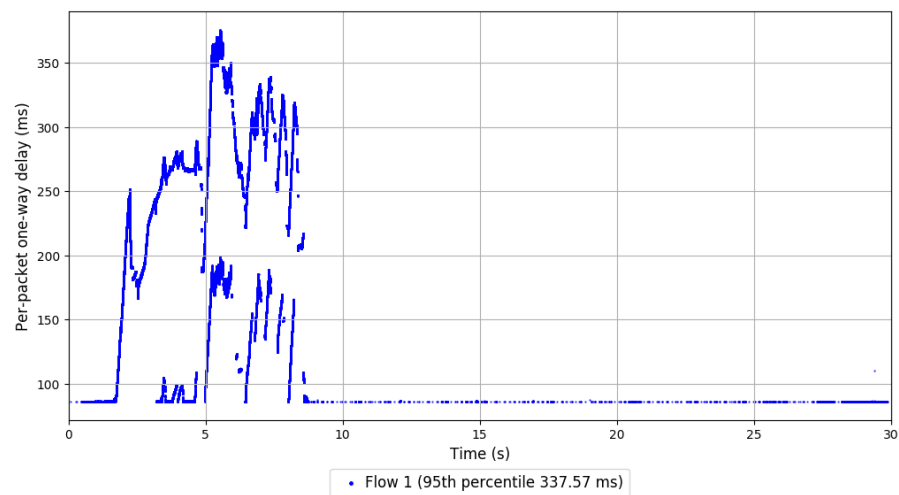
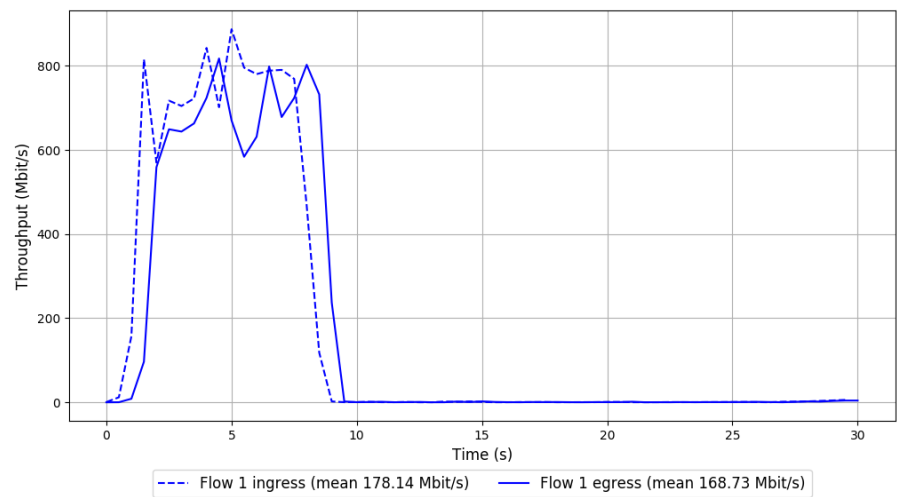


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-10 08:17:39
End at: 2018-07-10 08:18:09
Local clock offset: 0.029 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-10 11:56:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 168.73 Mbit/s
95th percentile per-packet one-way delay: 337.566 ms
Loss rate: 5.83%
-- Flow 1:
Average throughput: 168.73 Mbit/s
95th percentile per-packet one-way delay: 337.566 ms
Loss rate: 5.83%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-10 08:38:50

End at: 2018-07-10 08:39:20

Local clock offset: 0.012 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-07-10 12:00:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 527.06 Mbit/s

95th percentile per-packet one-way delay: 358.038 ms

Loss rate: 10.61%

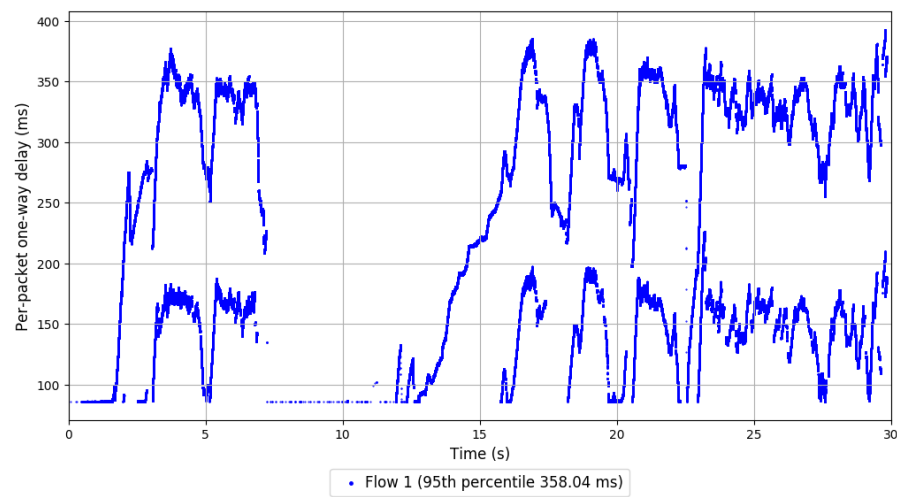
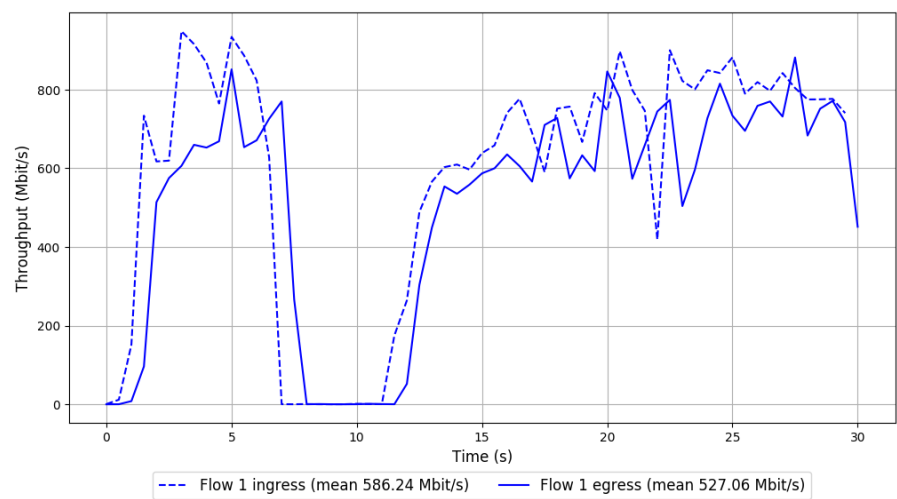
-- Flow 1:

Average throughput: 527.06 Mbit/s

95th percentile per-packet one-way delay: 358.038 ms

Loss rate: 10.61%

Run 3: Report of FillP-Sheep — Data Link

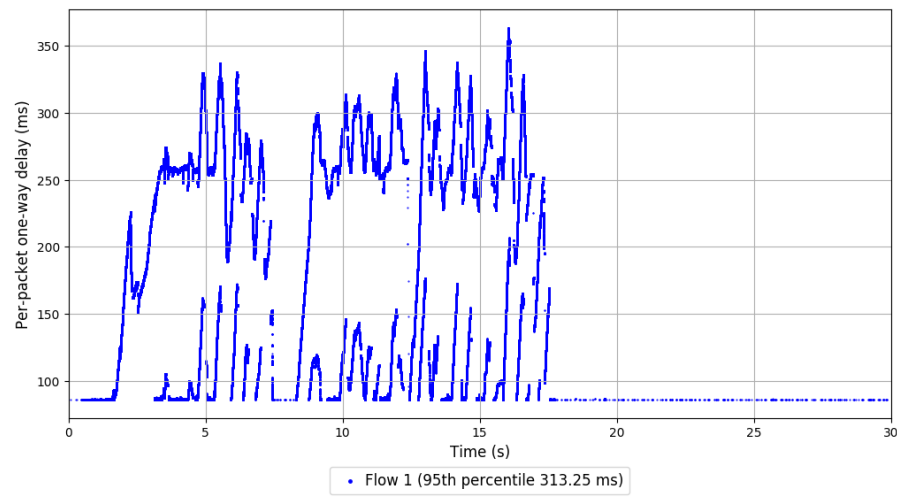
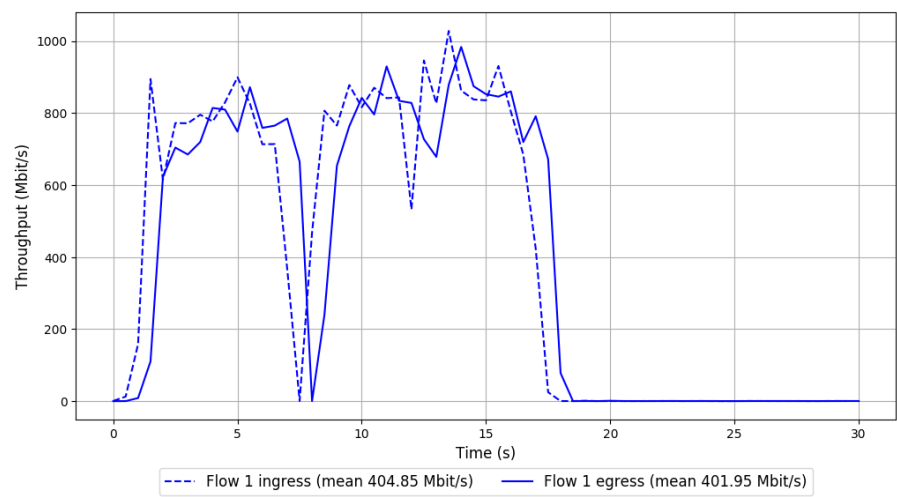


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-10 09:00:36
End at: 2018-07-10 09:01:06
Local clock offset: 0.021 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-10 12:00:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 401.95 Mbit/s
95th percentile per-packet one-way delay: 313.250 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 401.95 Mbit/s
95th percentile per-packet one-way delay: 313.250 ms
Loss rate: 1.05%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-10 09:22:17

End at: 2018-07-10 09:22:47

Local clock offset: -0.089 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-10 12:00:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 355.44 Mbit/s

95th percentile per-packet one-way delay: 343.272 ms

Loss rate: 6.96%

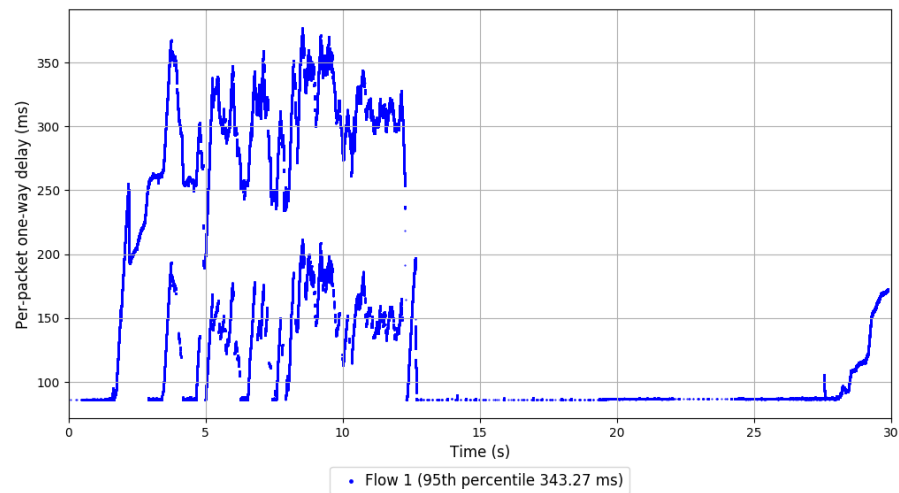
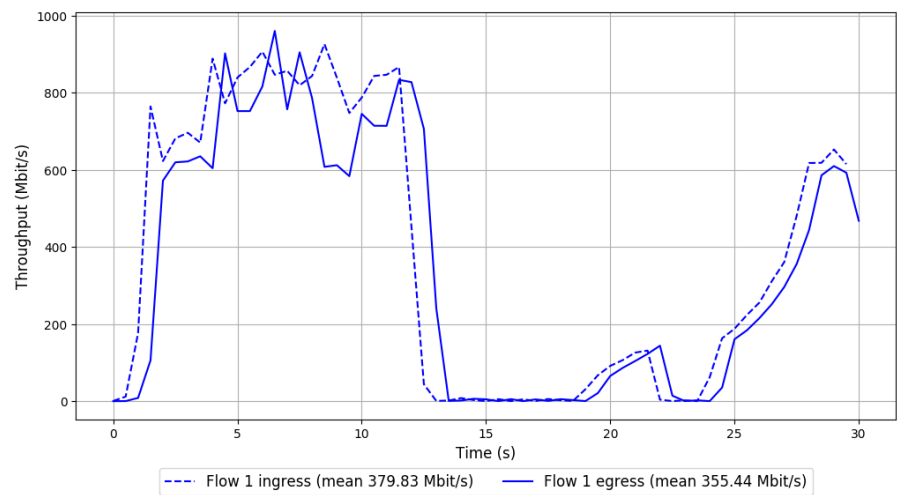
-- Flow 1:

Average throughput: 355.44 Mbit/s

95th percentile per-packet one-way delay: 343.272 ms

Loss rate: 6.96%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-10 09:43:55

End at: 2018-07-10 09:44:25

Local clock offset: 0.205 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-10 12:00:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 349.87 Mbit/s

95th percentile per-packet one-way delay: 299.819 ms

Loss rate: 0.54%

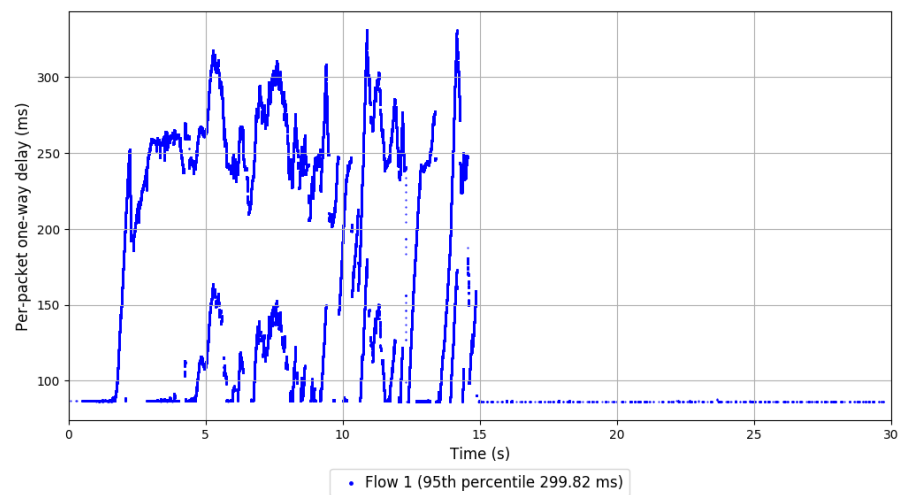
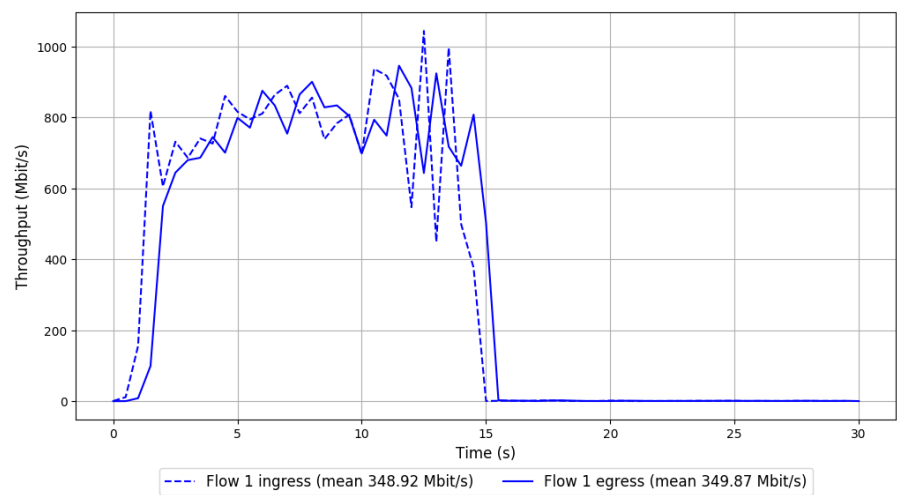
-- Flow 1:

Average throughput: 349.87 Mbit/s

95th percentile per-packet one-way delay: 299.819 ms

Loss rate: 0.54%

Run 6: Report of FillP-Sheep — Data Link

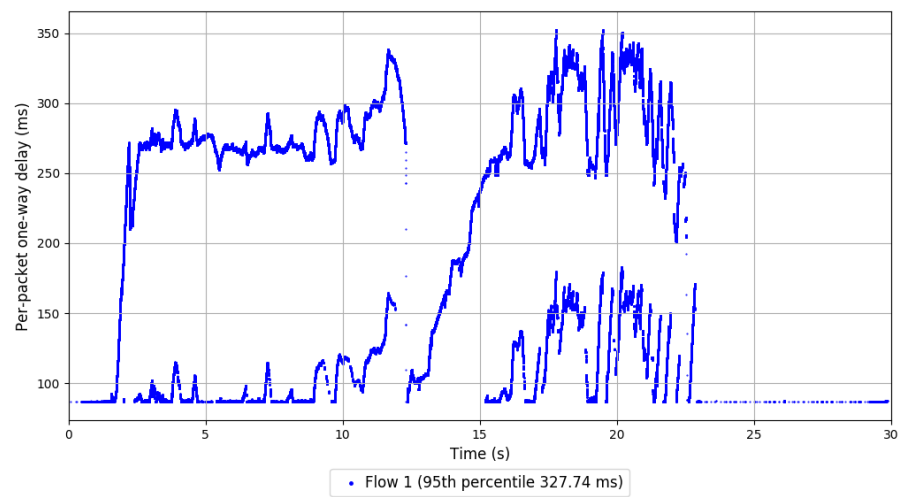
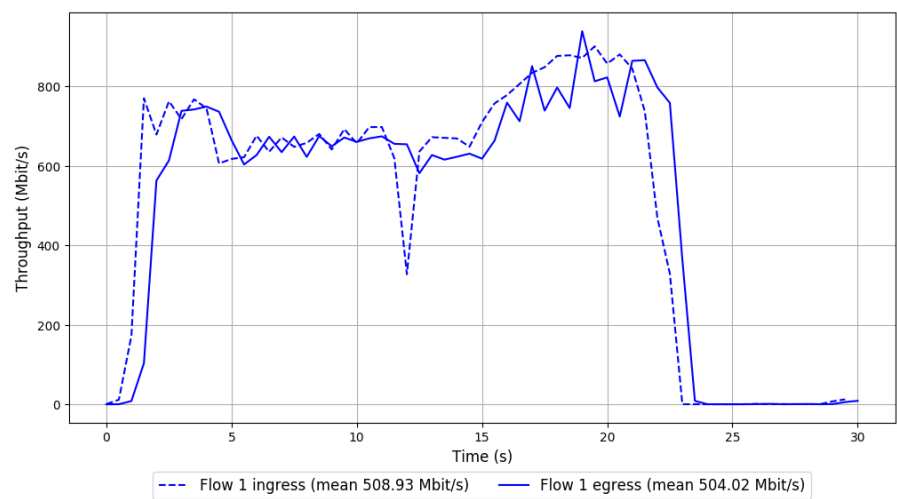


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-10 10:05:22
End at: 2018-07-10 10:05:52
Local clock offset: 0.042 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-10 12:04:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 504.02 Mbit/s
95th percentile per-packet one-way delay: 327.736 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 504.02 Mbit/s
95th percentile per-packet one-way delay: 327.736 ms
Loss rate: 1.54%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-10 10:26:59

End at: 2018-07-10 10:27:29

Local clock offset: 0.127 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-10 12:04:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.06 Mbit/s

95th percentile per-packet one-way delay: 368.905 ms

Loss rate: 8.58%

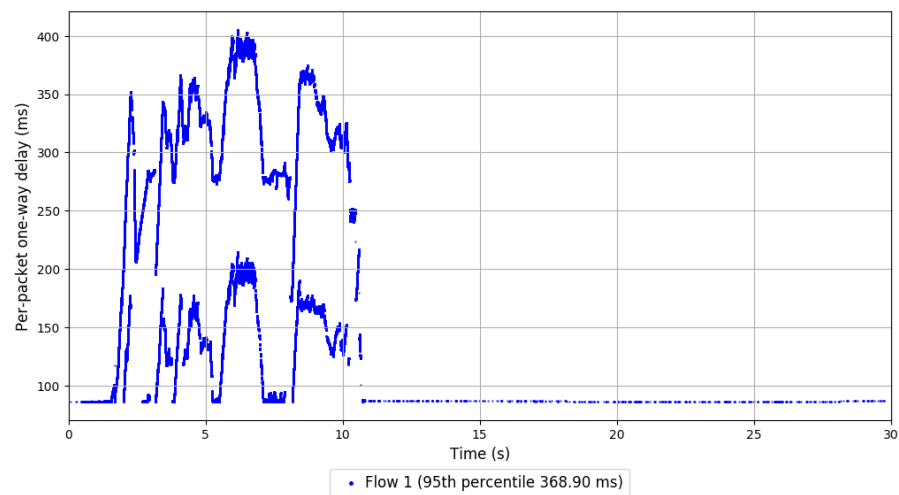
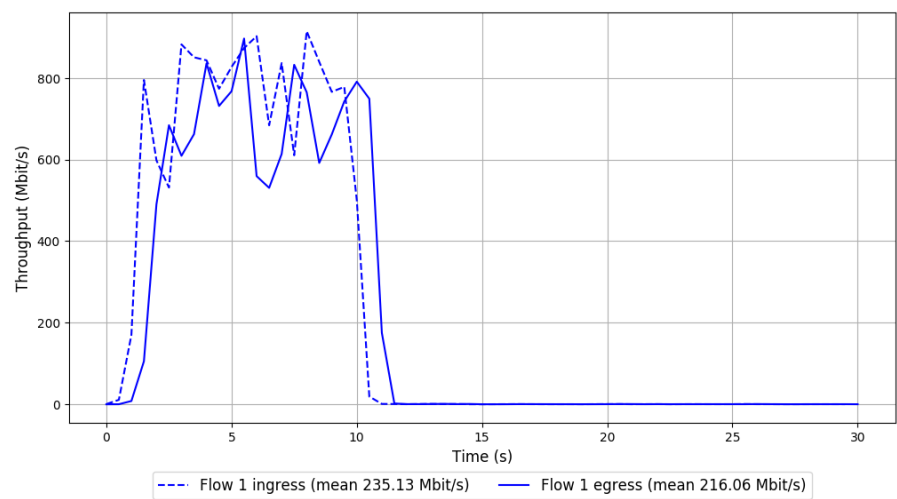
-- Flow 1:

Average throughput: 216.06 Mbit/s

95th percentile per-packet one-way delay: 368.905 ms

Loss rate: 8.58%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-10 10:48:15

End at: 2018-07-10 10:48:45

Local clock offset: 0.148 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-10 12:05:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 383.52 Mbit/s

95th percentile per-packet one-way delay: 319.770 ms

Loss rate: 2.87%

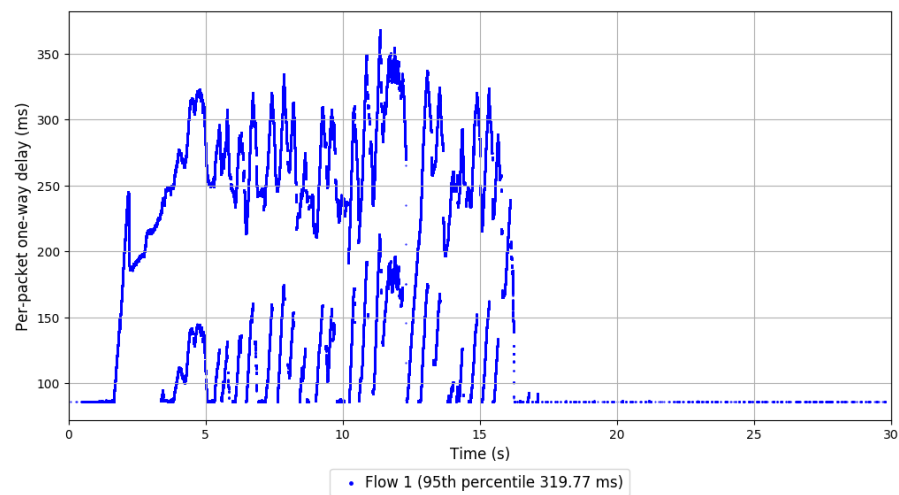
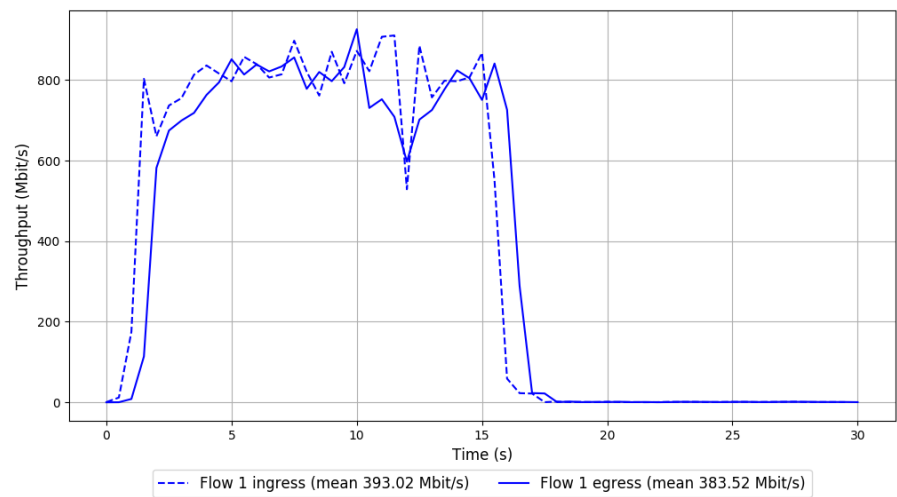
-- Flow 1:

Average throughput: 383.52 Mbit/s

95th percentile per-packet one-way delay: 319.770 ms

Loss rate: 2.87%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-10 11:10:02

End at: 2018-07-10 11:10:32

Local clock offset: -0.013 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-10 12:05:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 197.87 Mbit/s

95th percentile per-packet one-way delay: 334.816 ms

Loss rate: 2.98%

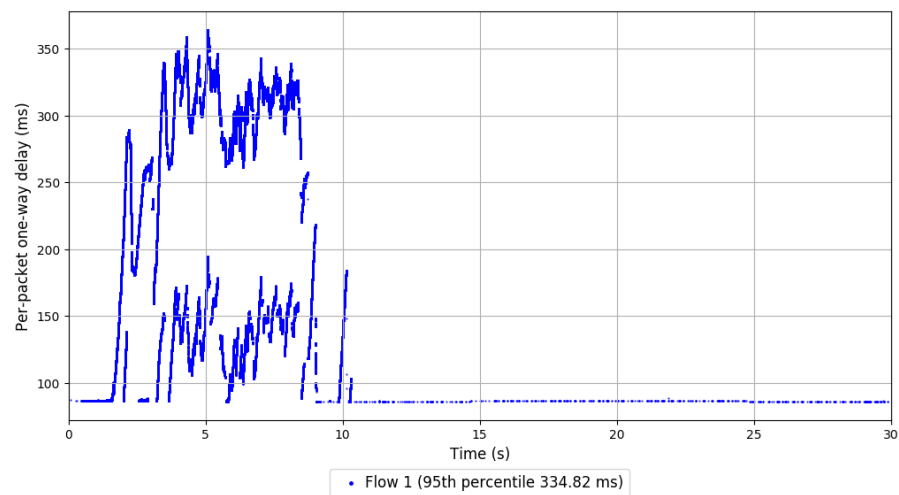
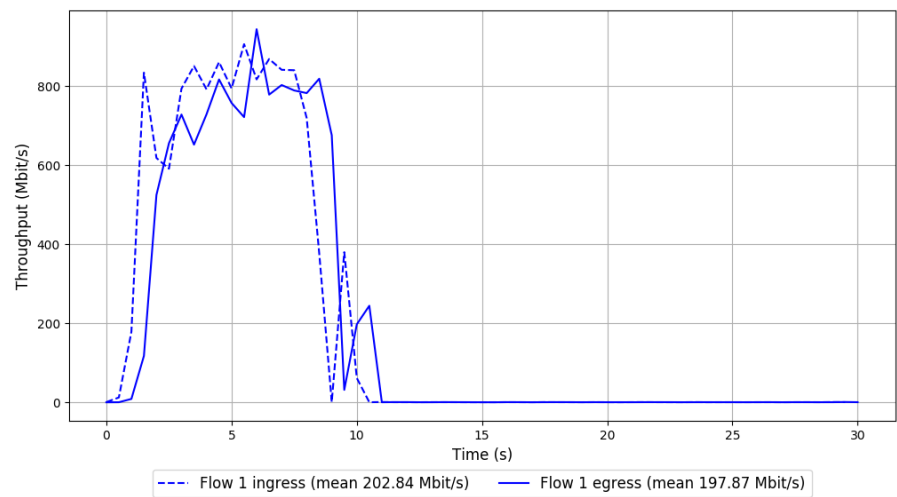
-- Flow 1:

Average throughput: 197.87 Mbit/s

95th percentile per-packet one-way delay: 334.816 ms

Loss rate: 2.98%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

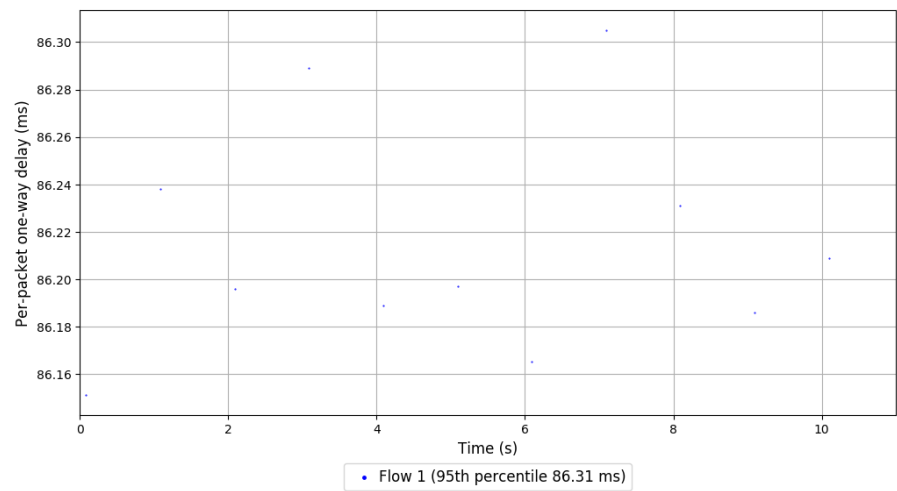
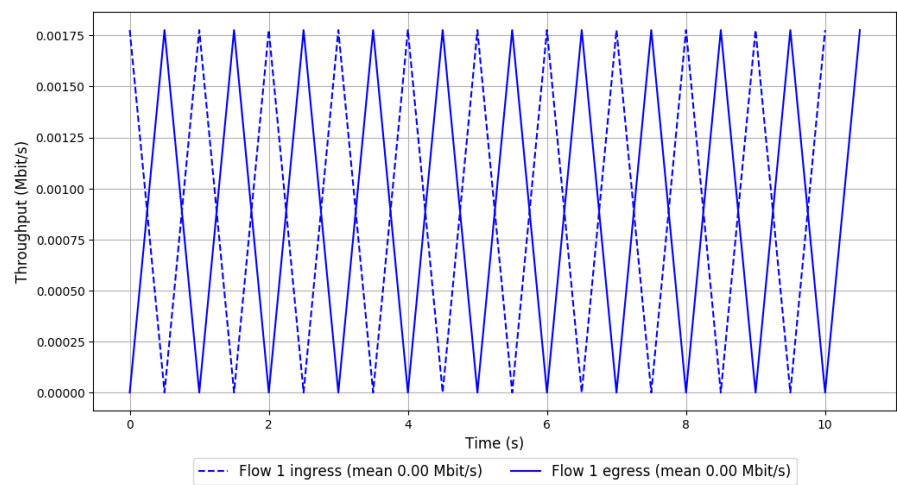
Start at: 2018-07-10 08:02:56

End at: 2018-07-10 08:03:26

Local clock offset: -0.042 ms

Remote clock offset: -0.001 ms

Run 1: Report of Indigo — Data Link

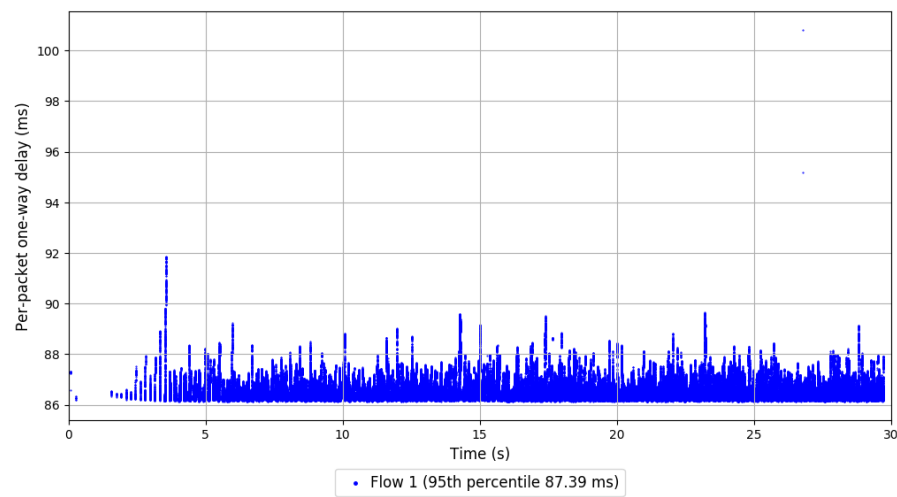
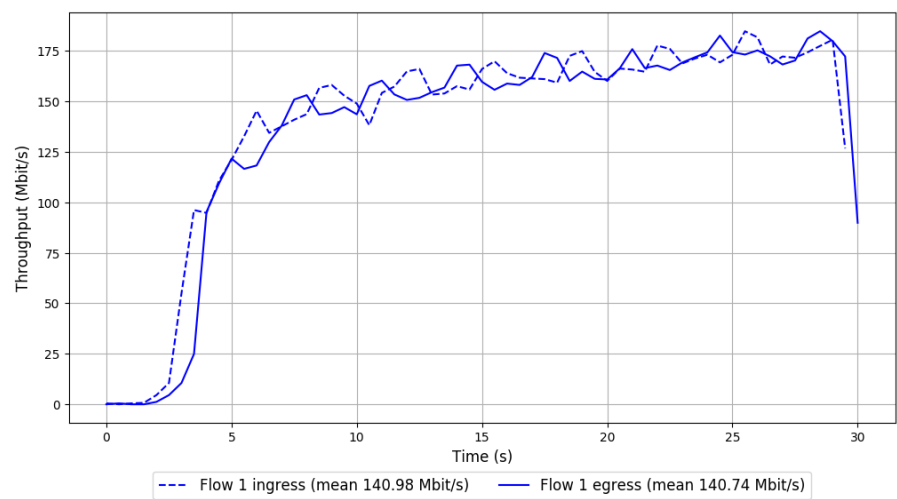


Run 2: Statistics of Indigo

Start at: 2018-07-10 08:23:59
End at: 2018-07-10 08:24:29
Local clock offset: 0.054 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-10 12:05:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 140.74 Mbit/s
95th percentile per-packet one-way delay: 87.390 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 140.74 Mbit/s
95th percentile per-packet one-way delay: 87.390 ms
Loss rate: 0.75%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-10 08:45:39

End at: 2018-07-10 08:46:09

Local clock offset: -0.065 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-10 12:05:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 205.96 Mbit/s

95th percentile per-packet one-way delay: 88.202 ms

Loss rate: 0.57%

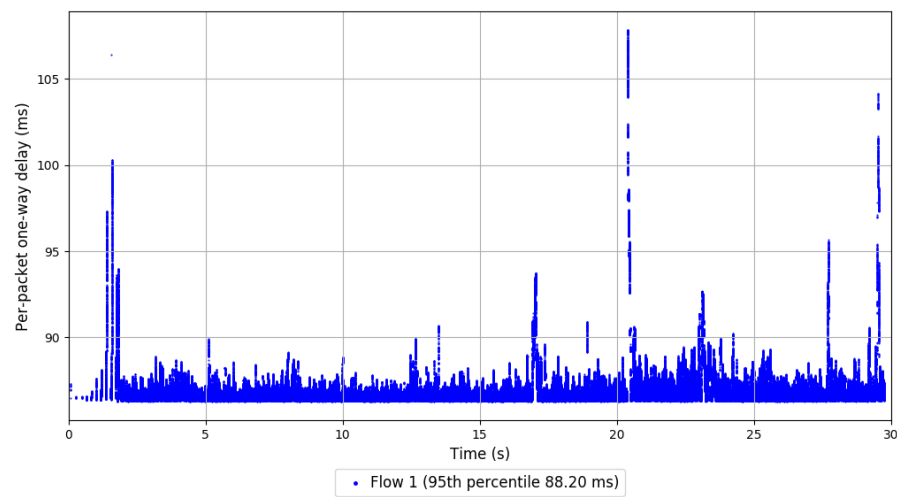
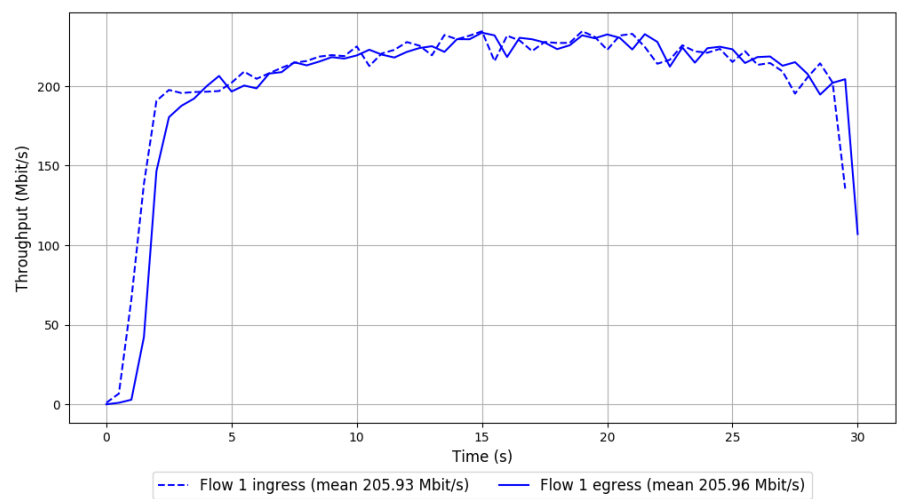
-- Flow 1:

Average throughput: 205.96 Mbit/s

95th percentile per-packet one-way delay: 88.202 ms

Loss rate: 0.57%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-10 09:07:26

End at: 2018-07-10 09:07:56

Local clock offset: 0.285 ms

Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-10 12:05:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 203.83 Mbit/s

95th percentile per-packet one-way delay: 89.969 ms

Loss rate: 0.62%

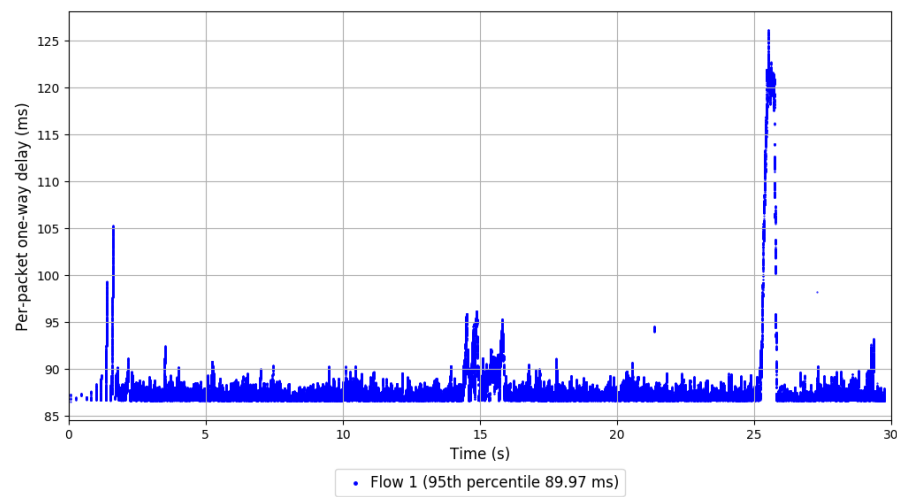
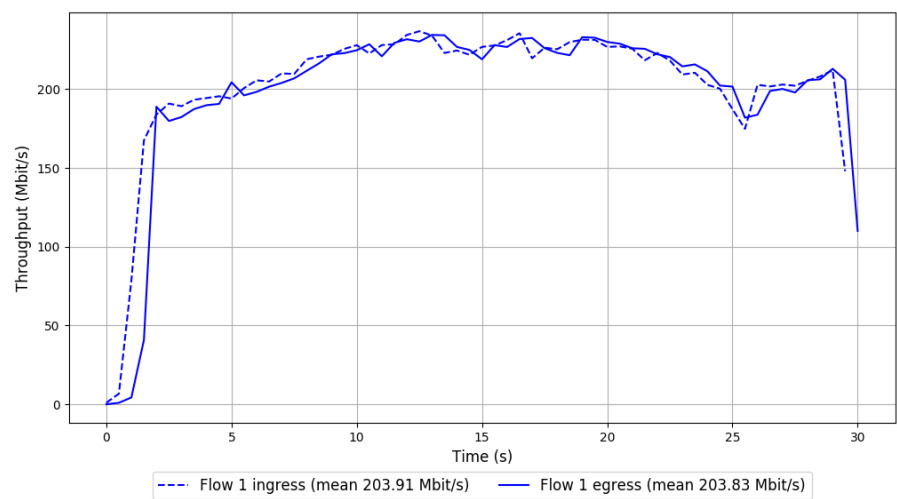
-- Flow 1:

Average throughput: 203.83 Mbit/s

95th percentile per-packet one-way delay: 89.969 ms

Loss rate: 0.62%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-10 09:28:56

End at: 2018-07-10 09:29:26

Local clock offset: 0.154 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-10 12:05:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.58 Mbit/s

95th percentile per-packet one-way delay: 87.569 ms

Loss rate: 0.59%

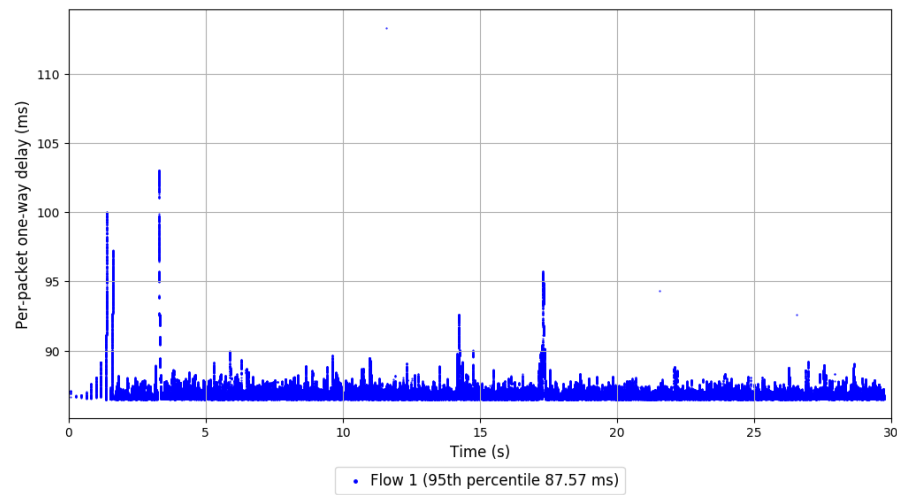
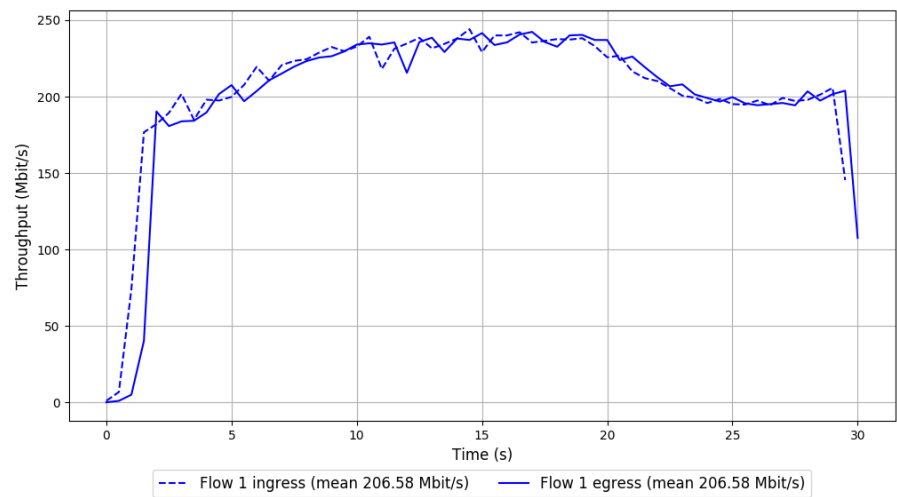
-- Flow 1:

Average throughput: 206.58 Mbit/s

95th percentile per-packet one-way delay: 87.569 ms

Loss rate: 0.59%

Run 5: Report of Indigo — Data Link

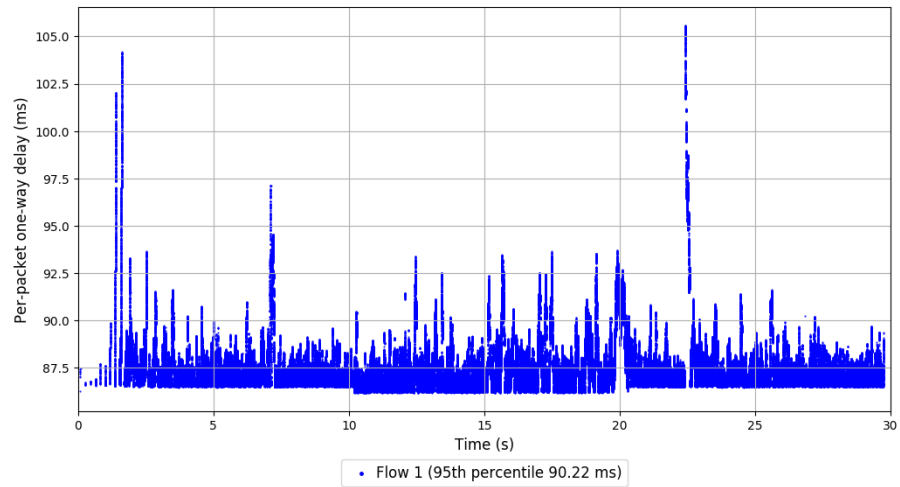
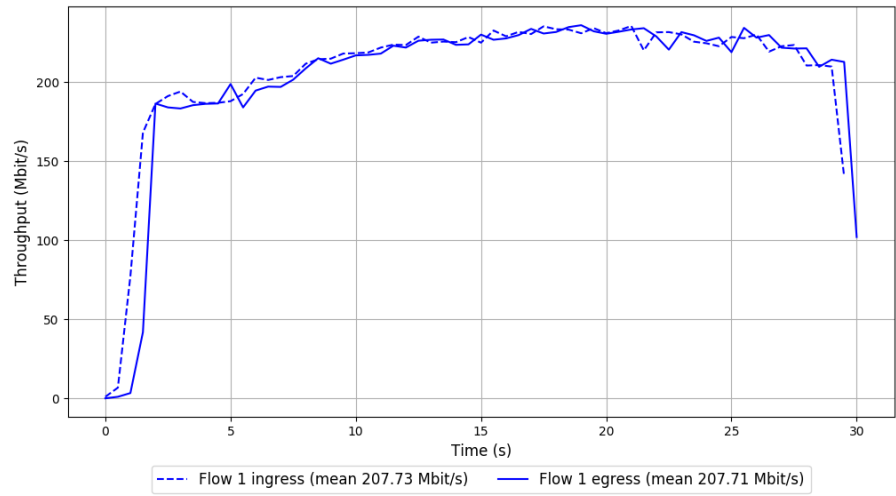


Run 6: Statistics of Indigo

Start at: 2018-07-10 09:50:37
End at: 2018-07-10 09:51:07
Local clock offset: 0.069 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-10 12:05:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.71 Mbit/s
95th percentile per-packet one-way delay: 90.215 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 207.71 Mbit/s
95th percentile per-packet one-way delay: 90.215 ms
Loss rate: 0.58%

Run 6: Report of Indigo — Data Link

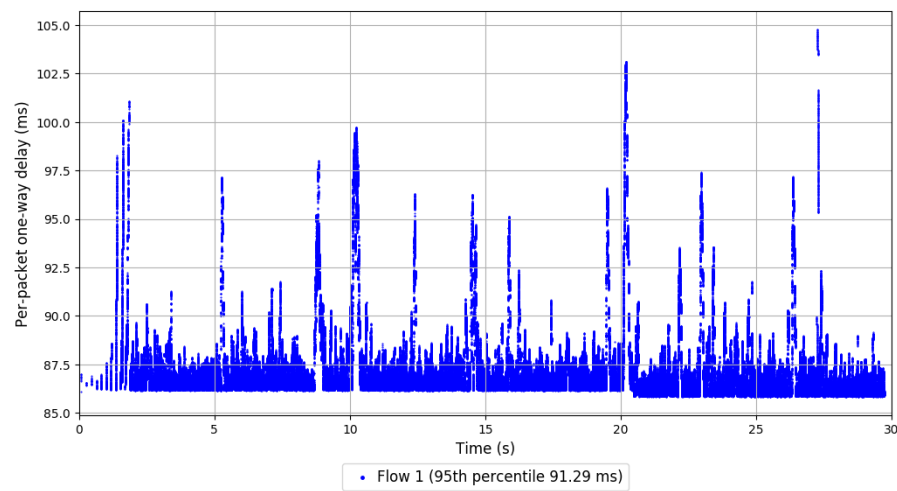
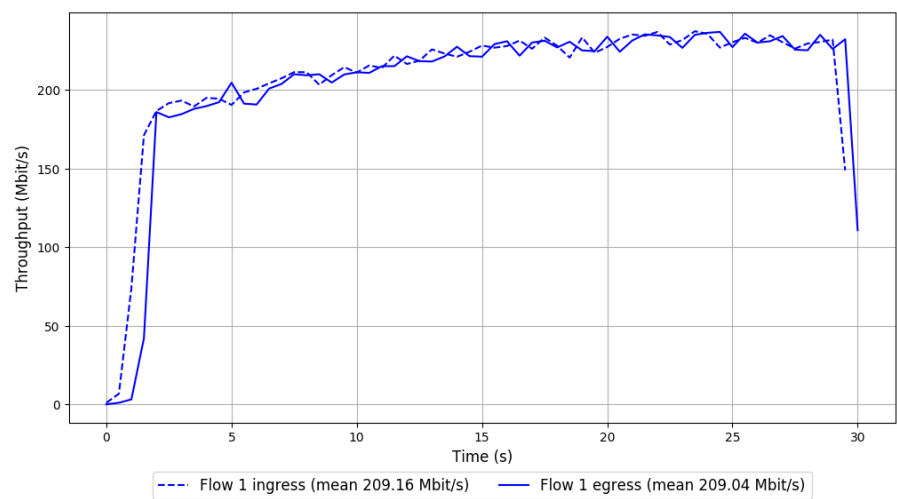


Run 7: Statistics of Indigo

Start at: 2018-07-10 10:12:07
End at: 2018-07-10 10:12:37
Local clock offset: -0.183 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-10 12:05:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 209.04 Mbit/s
95th percentile per-packet one-way delay: 91.287 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 209.04 Mbit/s
95th percentile per-packet one-way delay: 91.287 ms
Loss rate: 0.64%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-10 10:33:26

End at: 2018-07-10 10:33:56

Local clock offset: 0.004 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-07-10 12:05:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.39 Mbit/s

95th percentile per-packet one-way delay: 87.883 ms

Loss rate: 0.57%

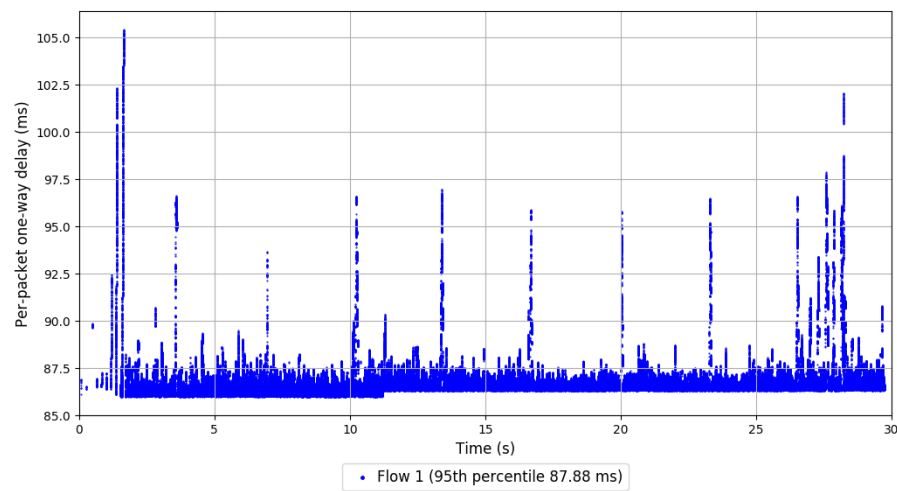
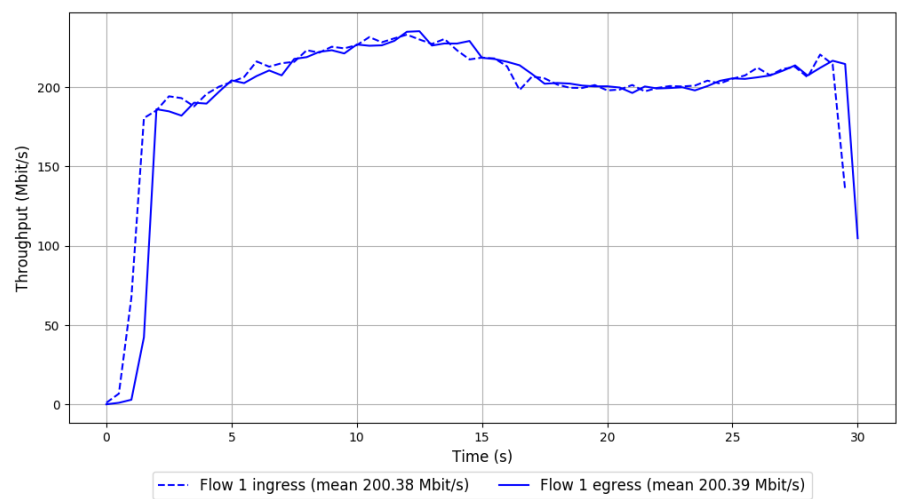
-- Flow 1:

Average throughput: 200.39 Mbit/s

95th percentile per-packet one-way delay: 87.883 ms

Loss rate: 0.57%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-10 10:55:06

End at: 2018-07-10 10:55:36

Local clock offset: 0.024 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-10 12:06:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 207.60 Mbit/s

95th percentile per-packet one-way delay: 88.251 ms

Loss rate: 0.66%

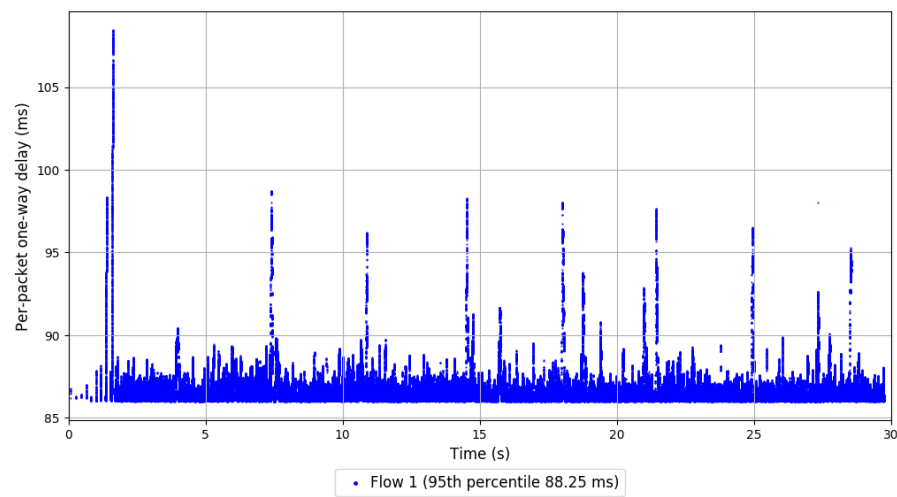
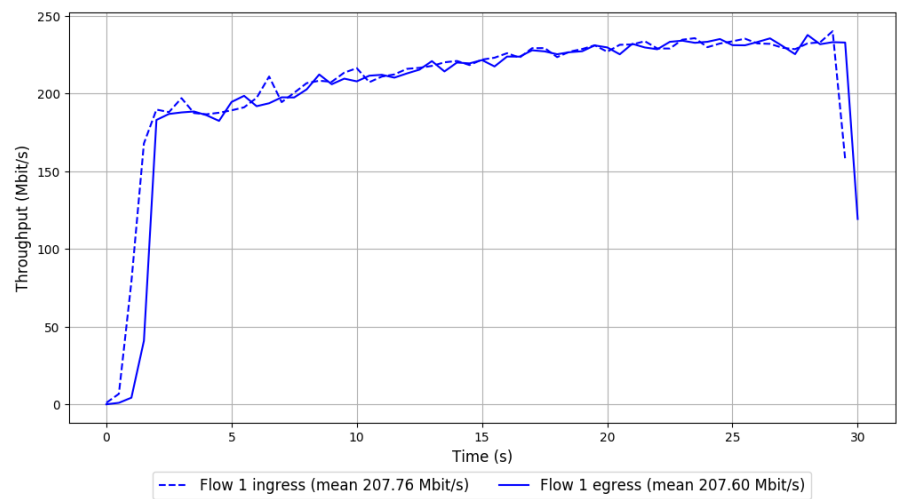
-- Flow 1:

Average throughput: 207.60 Mbit/s

95th percentile per-packet one-way delay: 88.251 ms

Loss rate: 0.66%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-10 11:16:38

End at: 2018-07-10 11:17:08

Local clock offset: -0.016 ms

Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-10 12:06:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 203.63 Mbit/s

95th percentile per-packet one-way delay: 87.911 ms

Loss rate: 0.60%

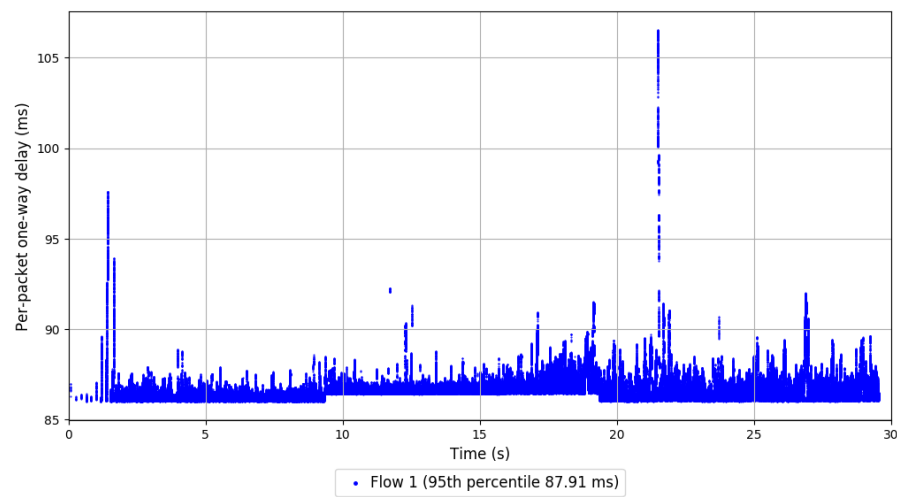
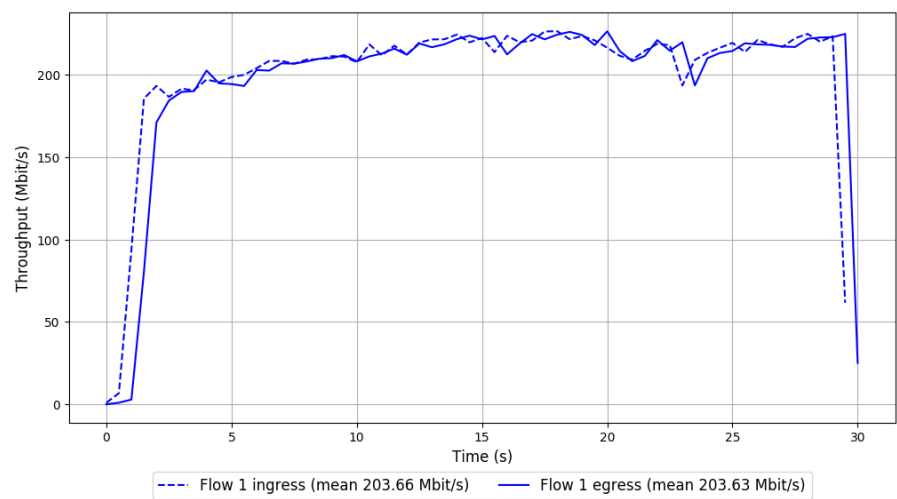
-- Flow 1:

Average throughput: 203.63 Mbit/s

95th percentile per-packet one-way delay: 87.911 ms

Loss rate: 0.60%

Run 10: Report of Indigo — Data Link

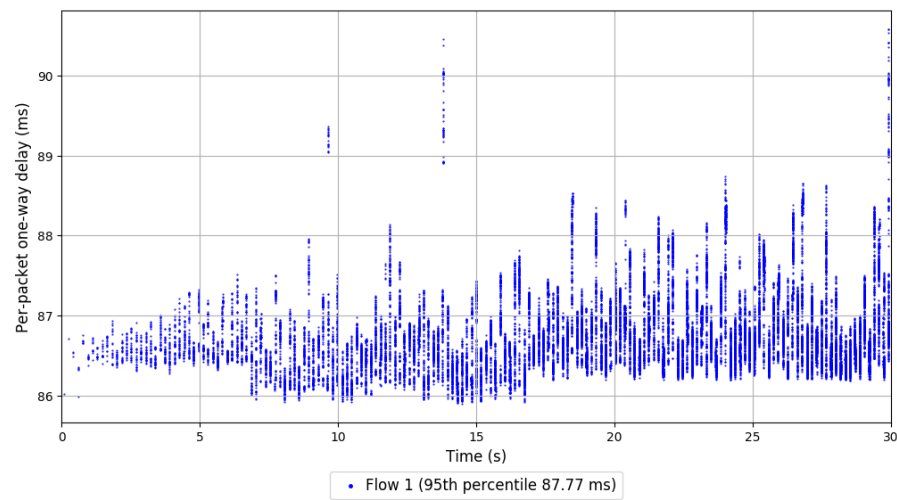
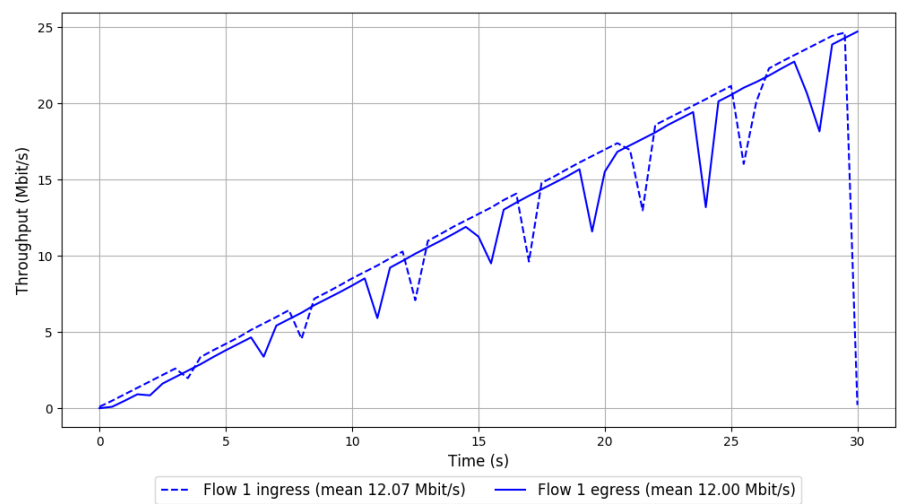


Run 1: Statistics of LEDBAT

Start at: 2018-07-10 07:55:20
End at: 2018-07-10 07:55:50
Local clock offset: -0.239 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-10 12:06:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 87.765 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 87.765 ms
Loss rate: 1.15%

Run 1: Report of LEDBAT — Data Link

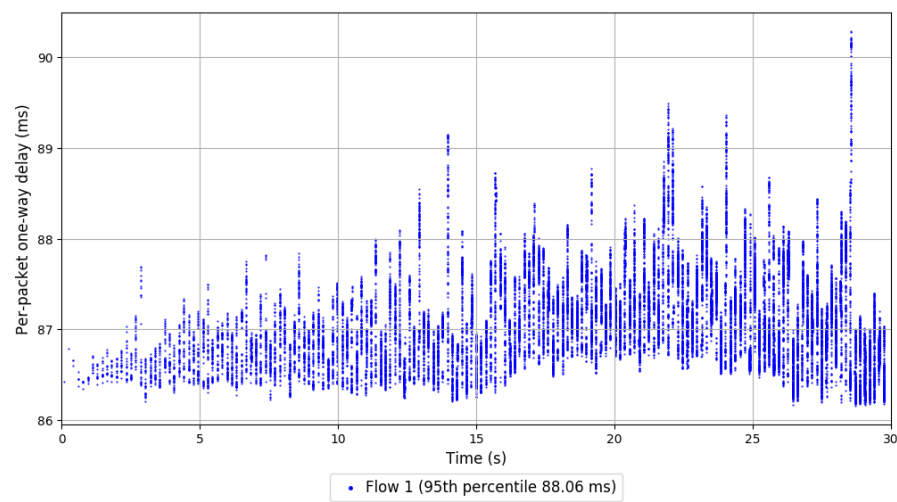
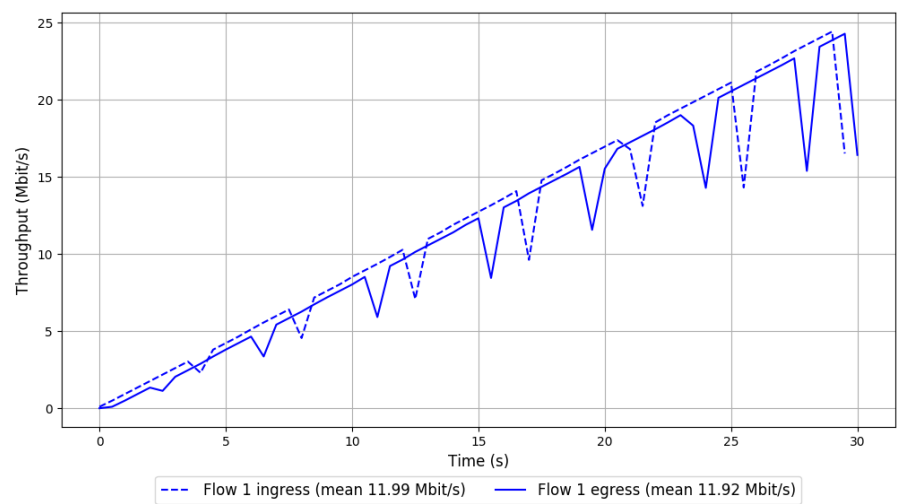


Run 2: Statistics of LEDBAT

Start at: 2018-07-10 08:16:31
End at: 2018-07-10 08:17:01
Local clock offset: 0.049 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-10 12:06:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.92 Mbit/s
95th percentile per-packet one-way delay: 88.061 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 11.92 Mbit/s
95th percentile per-packet one-way delay: 88.061 ms
Loss rate: 1.16%

Run 2: Report of LEDBAT — Data Link

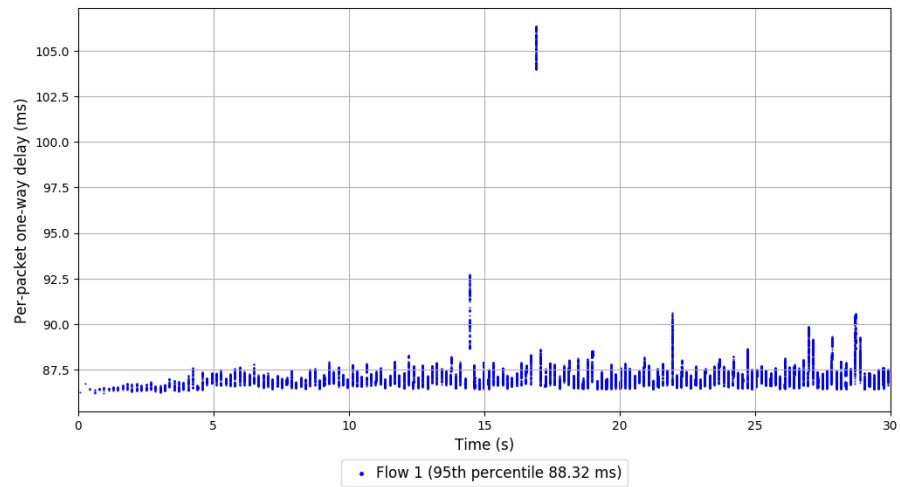
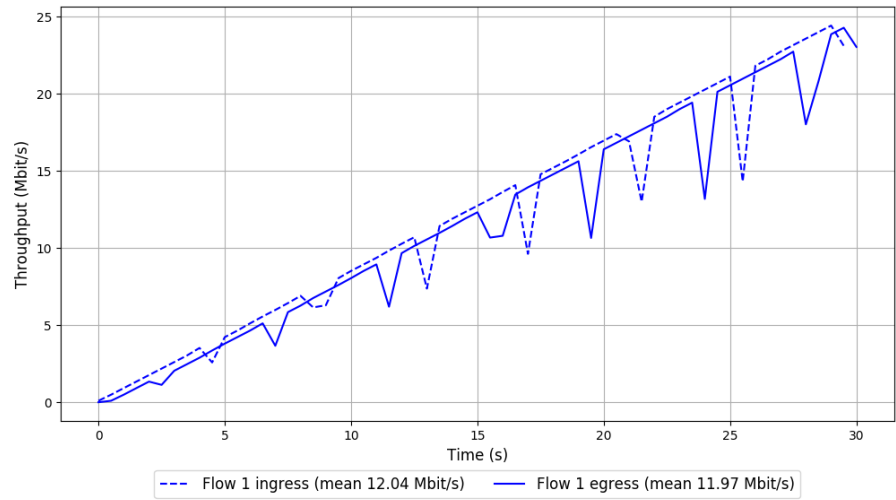


Run 3: Statistics of LEDBAT

Start at: 2018-07-10 08:37:42
End at: 2018-07-10 08:38:13
Local clock offset: 0.044 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-10 12:06:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.97 Mbit/s
95th percentile per-packet one-way delay: 88.319 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 11.97 Mbit/s
95th percentile per-packet one-way delay: 88.319 ms
Loss rate: 1.14%

Run 3: Report of LEDBAT — Data Link

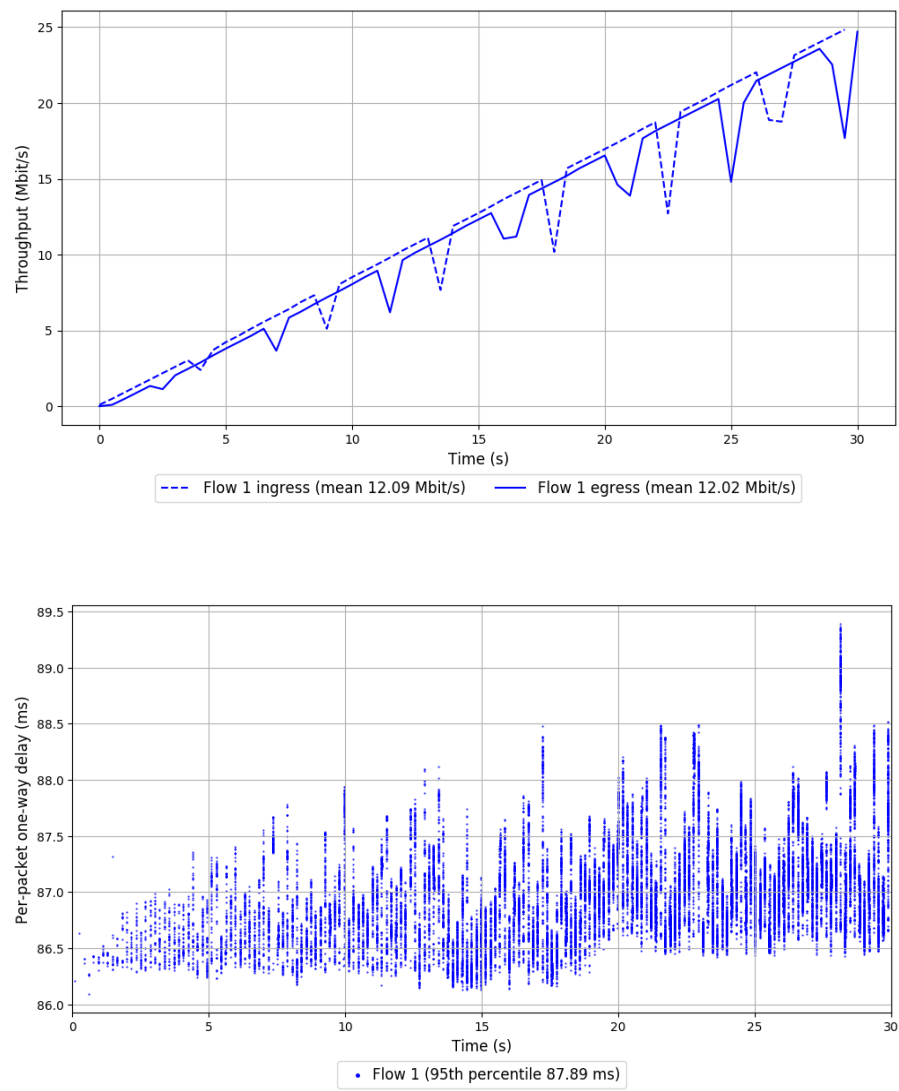


Run 4: Statistics of LEDBAT

Start at: 2018-07-10 08:59:28
End at: 2018-07-10 08:59:58
Local clock offset: 0.046 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-07-10 12:06:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 87.888 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 87.888 ms
Loss rate: 1.15%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-10 09:21:10

End at: 2018-07-10 09:21:40

Local clock offset: 0.028 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-07-10 12:06:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.91 Mbit/s

95th percentile per-packet one-way delay: 88.028 ms

Loss rate: 1.16%

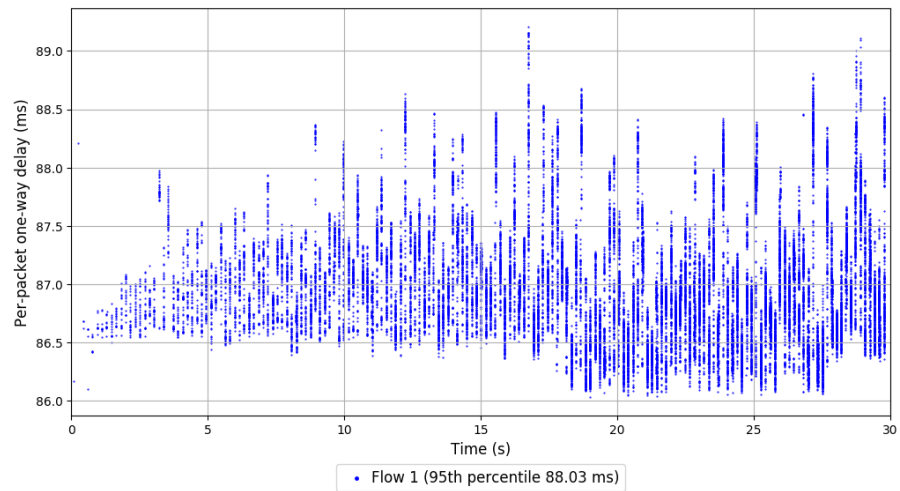
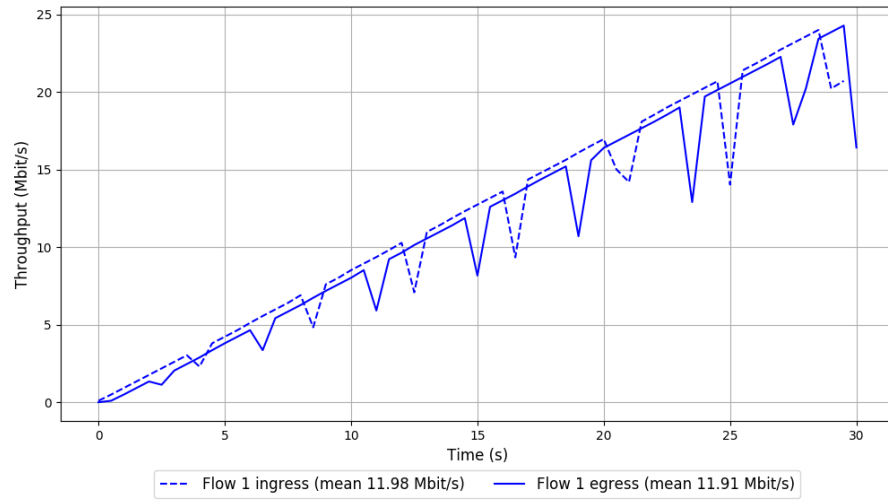
-- Flow 1:

Average throughput: 11.91 Mbit/s

95th percentile per-packet one-way delay: 88.028 ms

Loss rate: 1.16%

Run 5: Report of LEDBAT — Data Link

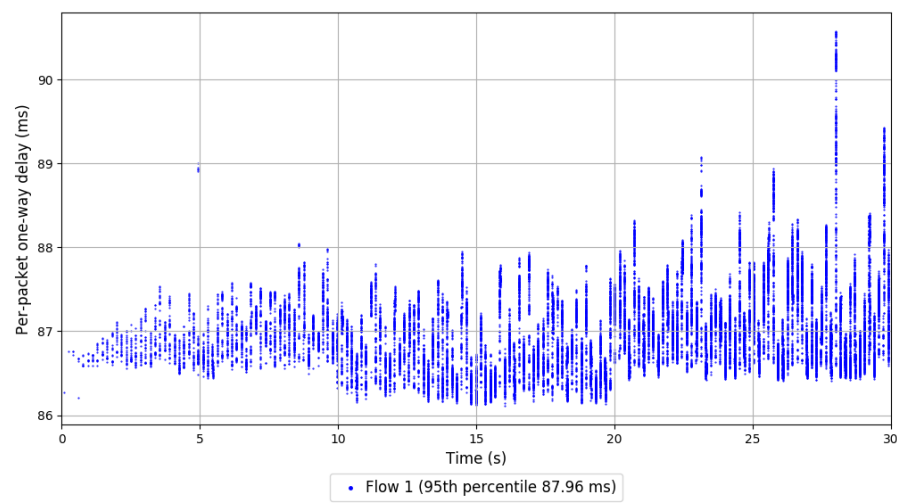
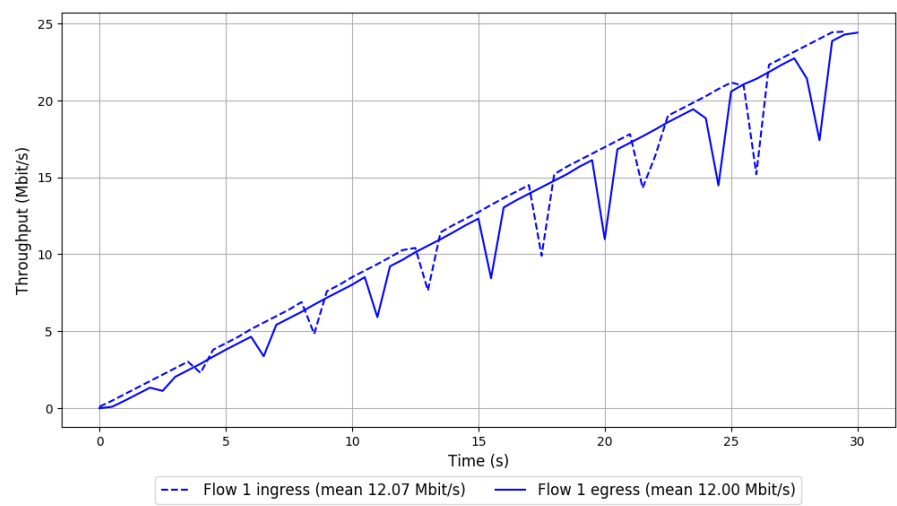


Run 6: Statistics of LEDBAT

Start at: 2018-07-10 09:42:47
End at: 2018-07-10 09:43:17
Local clock offset: 0.038 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-10 12:06:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 87.958 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 87.958 ms
Loss rate: 1.14%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-10 10:04:14

End at: 2018-07-10 10:04:44

Local clock offset: 0.095 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-10 12:06:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.80 Mbit/s

95th percentile per-packet one-way delay: 88.664 ms

Loss rate: 0.87%

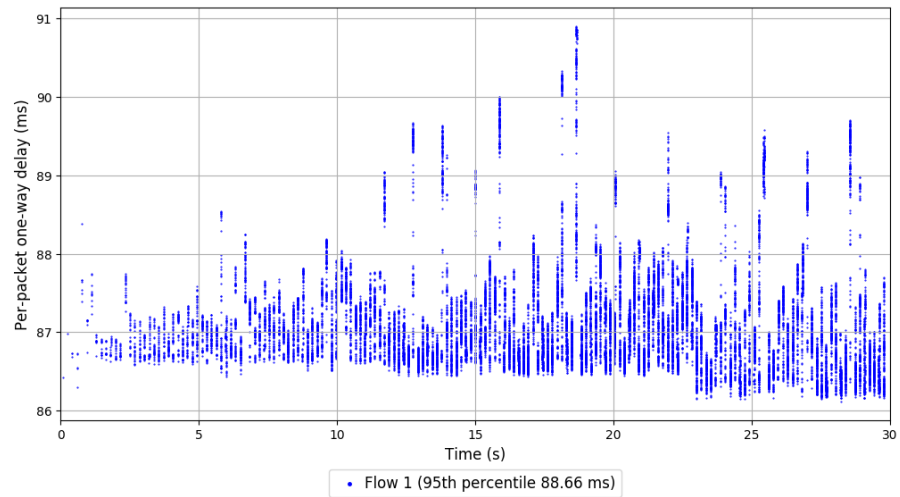
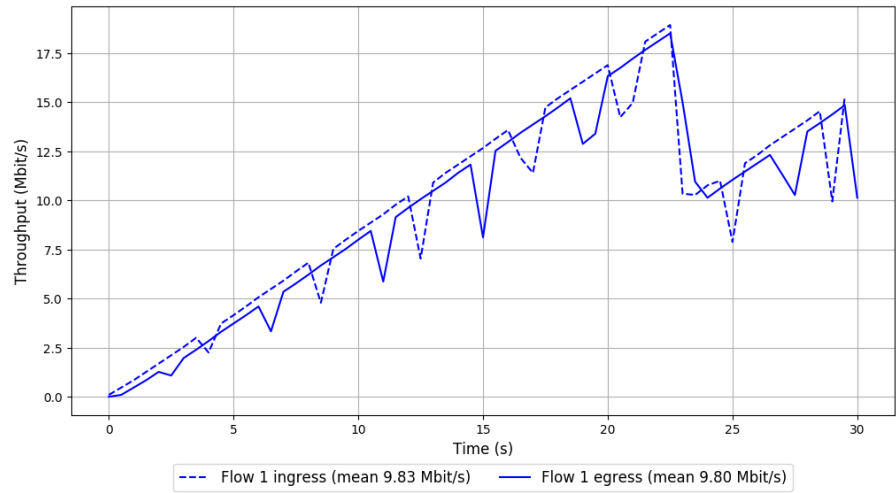
-- Flow 1:

Average throughput: 9.80 Mbit/s

95th percentile per-packet one-way delay: 88.664 ms

Loss rate: 0.87%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-10 10:25:51

End at: 2018-07-10 10:26:21

Local clock offset: 0.151 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-10 12:06:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.01 Mbit/s

95th percentile per-packet one-way delay: 87.839 ms

Loss rate: 1.15%

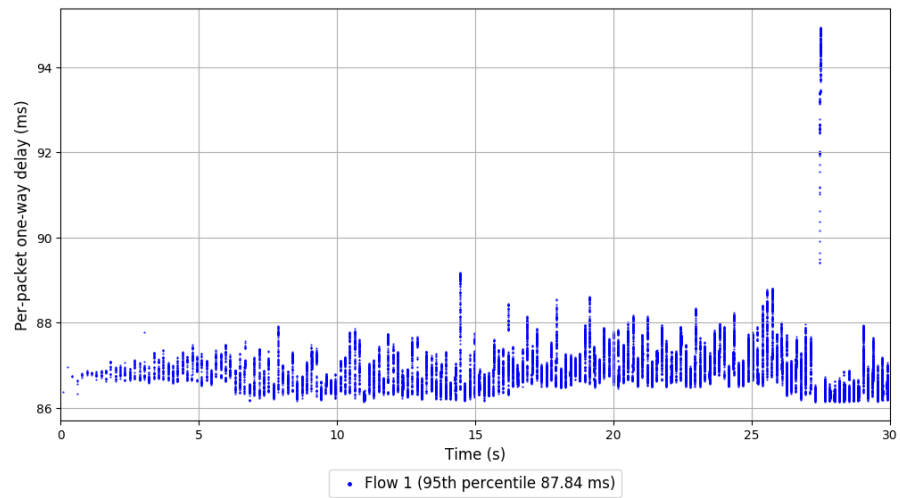
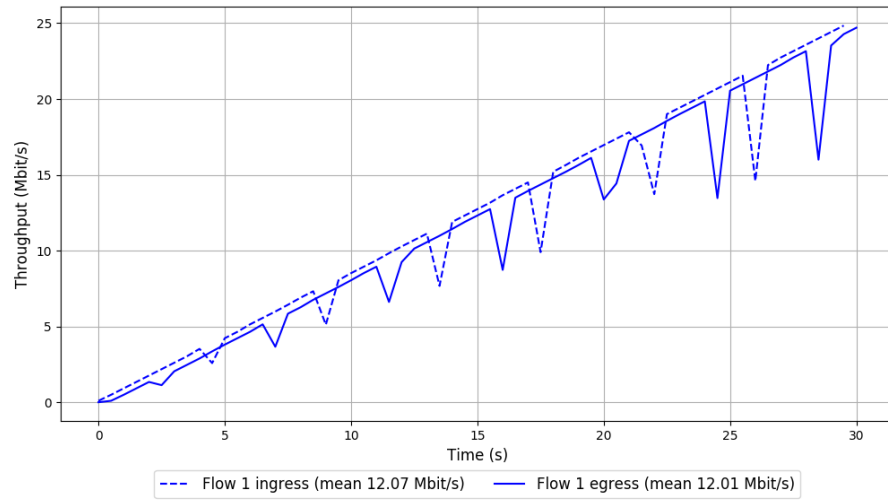
-- Flow 1:

Average throughput: 12.01 Mbit/s

95th percentile per-packet one-way delay: 87.839 ms

Loss rate: 1.15%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-10 10:47:07

End at: 2018-07-10 10:47:37

Local clock offset: -0.031 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-07-10 12:06:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.01 Mbit/s

95th percentile per-packet one-way delay: 88.040 ms

Loss rate: 1.15%

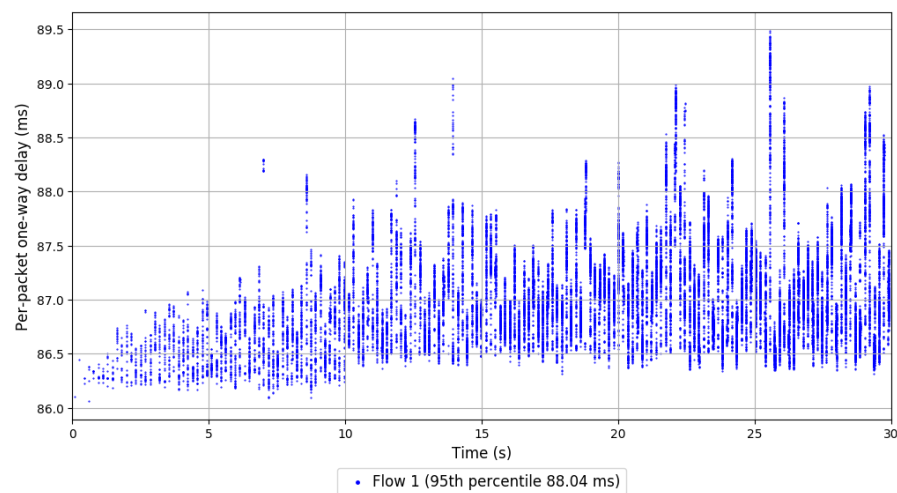
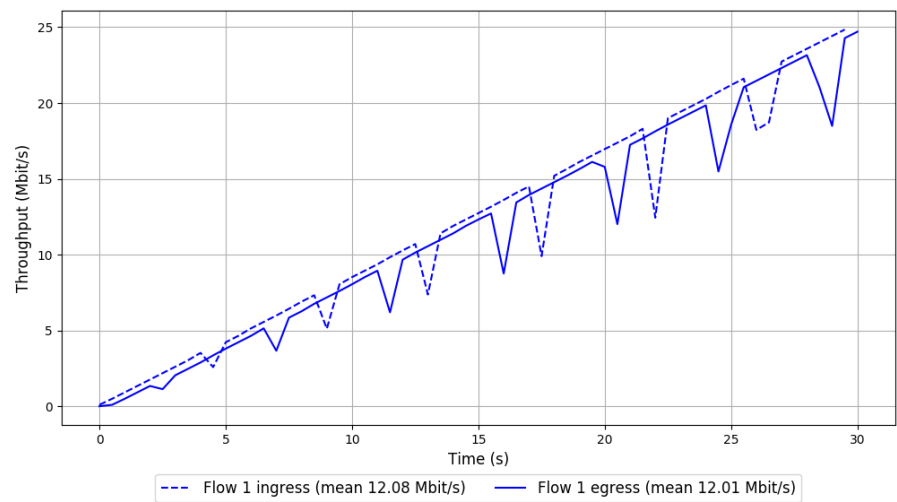
-- Flow 1:

Average throughput: 12.01 Mbit/s

95th percentile per-packet one-way delay: 88.040 ms

Loss rate: 1.15%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-10 11:08:55

End at: 2018-07-10 11:09:25

Local clock offset: 0.028 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-07-10 12:06:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.42 Mbit/s

95th percentile per-packet one-way delay: 87.516 ms

Loss rate: 1.18%

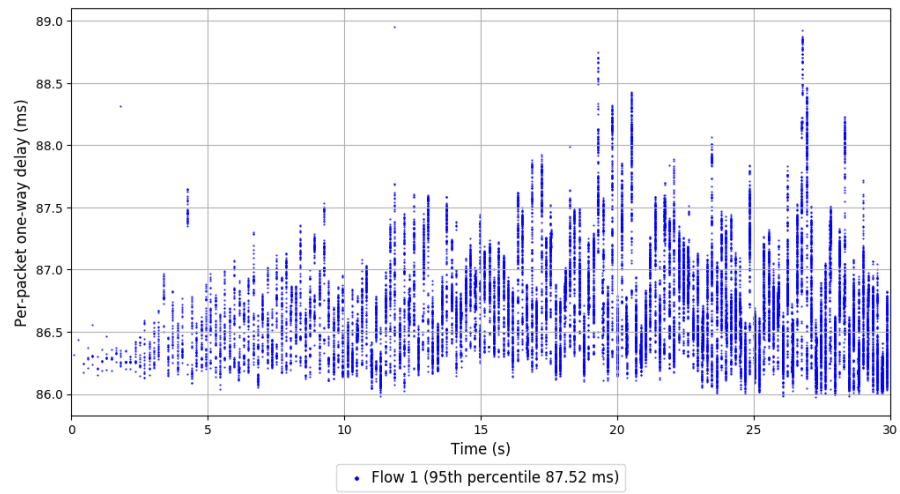
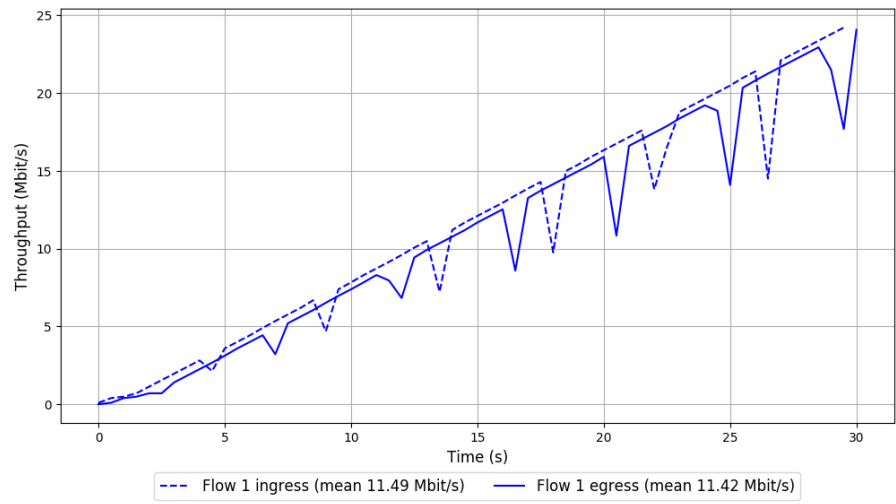
-- Flow 1:

Average throughput: 11.42 Mbit/s

95th percentile per-packet one-way delay: 87.516 ms

Loss rate: 1.18%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-10 08:08:56

End at: 2018-07-10 08:09:26

Local clock offset: 0.118 ms

Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-10 12:09:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 261.74 Mbit/s

95th percentile per-packet one-way delay: 128.561 ms

Loss rate: 1.01%

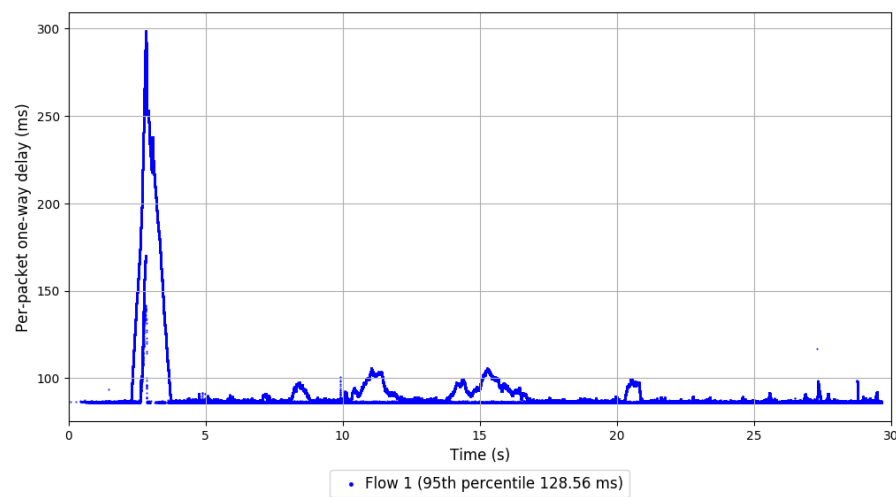
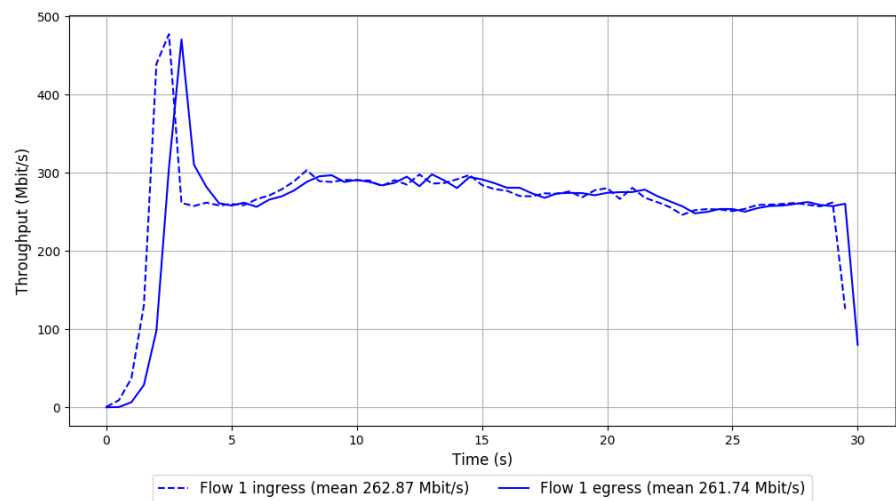
-- Flow 1:

Average throughput: 261.74 Mbit/s

95th percentile per-packet one-way delay: 128.561 ms

Loss rate: 1.01%

Run 1: Report of PCC-Allegro — Data Link

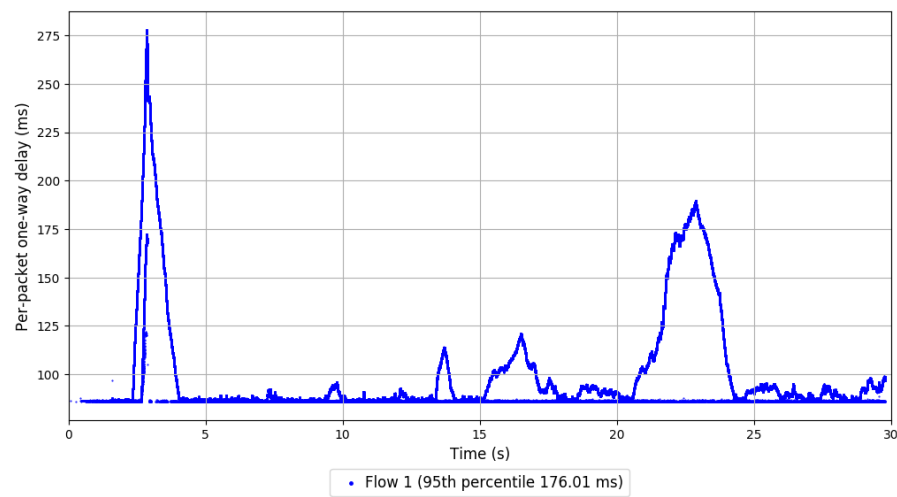
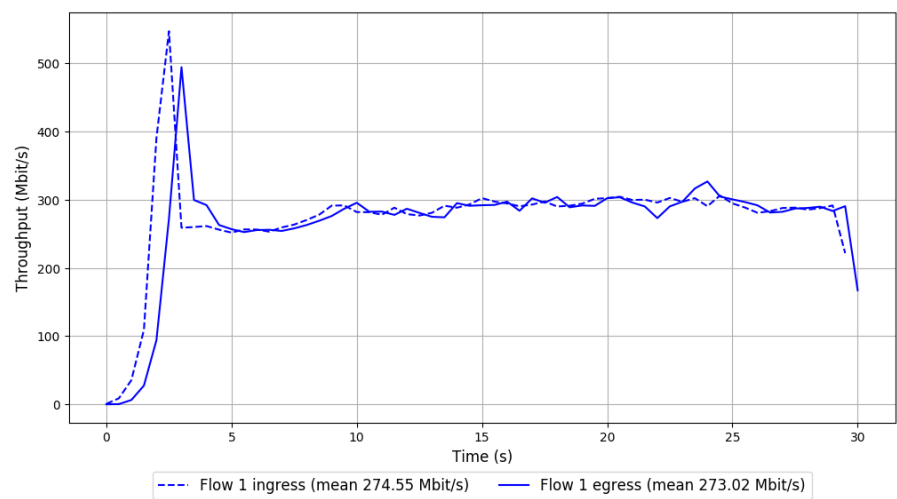


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-10 08:30:10
End at: 2018-07-10 08:30:41
Local clock offset: -0.112 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-10 12:09:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 273.02 Mbit/s
95th percentile per-packet one-way delay: 176.010 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 273.02 Mbit/s
95th percentile per-packet one-way delay: 176.010 ms
Loss rate: 1.13%

Run 2: Report of PCC-Allegro — Data Link

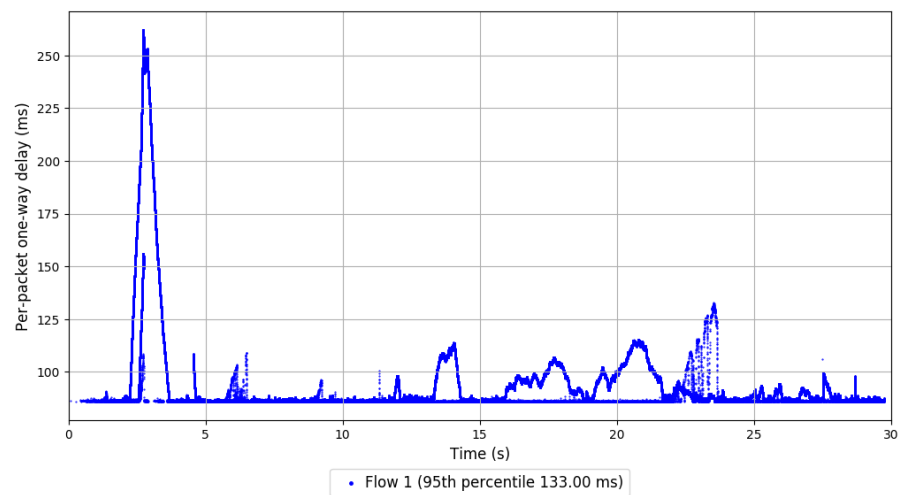
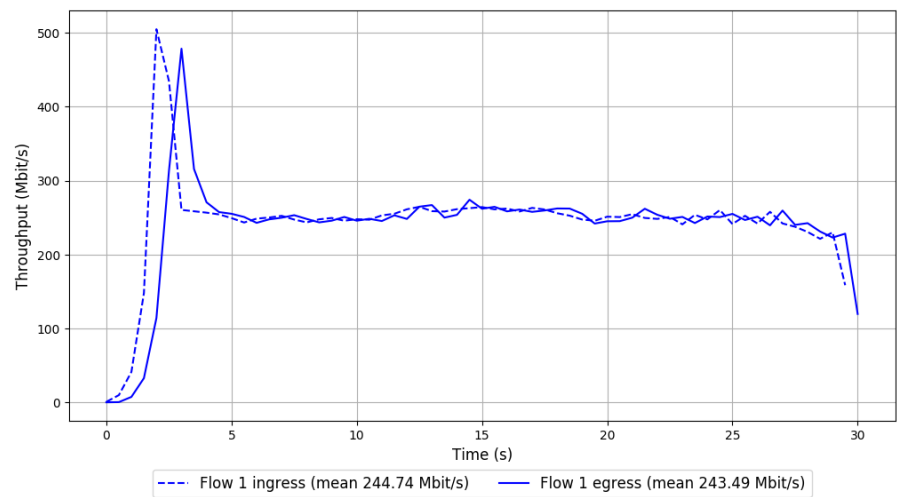


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-10 08:51:55
End at: 2018-07-10 08:52:25
Local clock offset: -0.031 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-10 12:09:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 243.49 Mbit/s
95th percentile per-packet one-way delay: 133.003 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 243.49 Mbit/s
95th percentile per-packet one-way delay: 133.003 ms
Loss rate: 1.09%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-10 09:13:36

End at: 2018-07-10 09:14:06

Local clock offset: 0.056 ms

Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-10 12:09:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 252.78 Mbit/s

95th percentile per-packet one-way delay: 127.046 ms

Loss rate: 1.09%

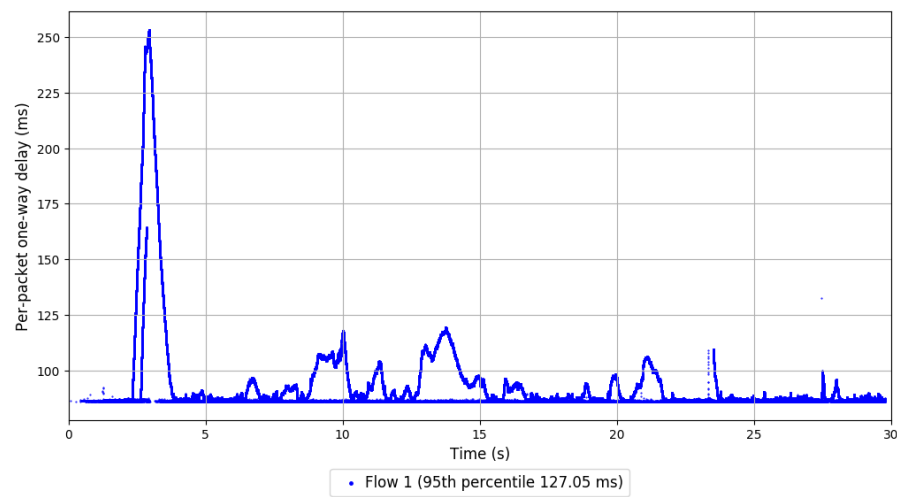
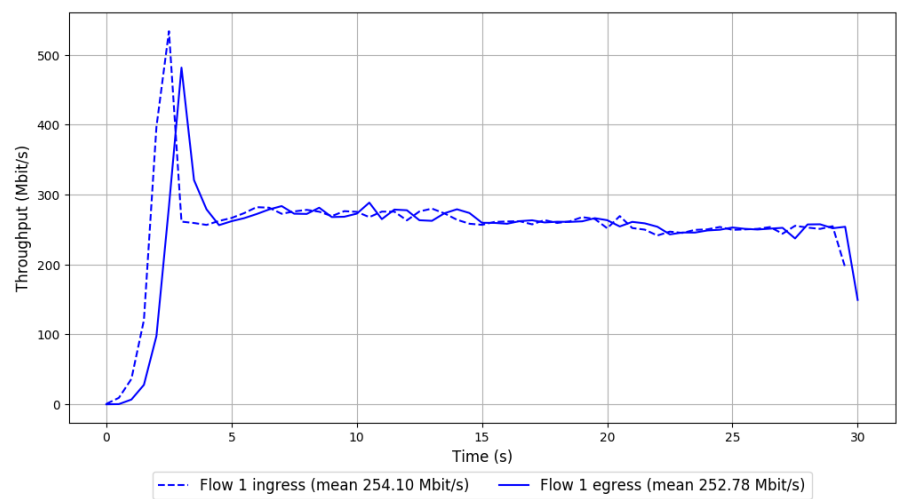
-- Flow 1:

Average throughput: 252.78 Mbit/s

95th percentile per-packet one-way delay: 127.046 ms

Loss rate: 1.09%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-10 09:35:12

End at: 2018-07-10 09:35:42

Local clock offset: -0.033 ms

Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-10 12:09:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 256.00 Mbit/s

95th percentile per-packet one-way delay: 152.168 ms

Loss rate: 1.11%

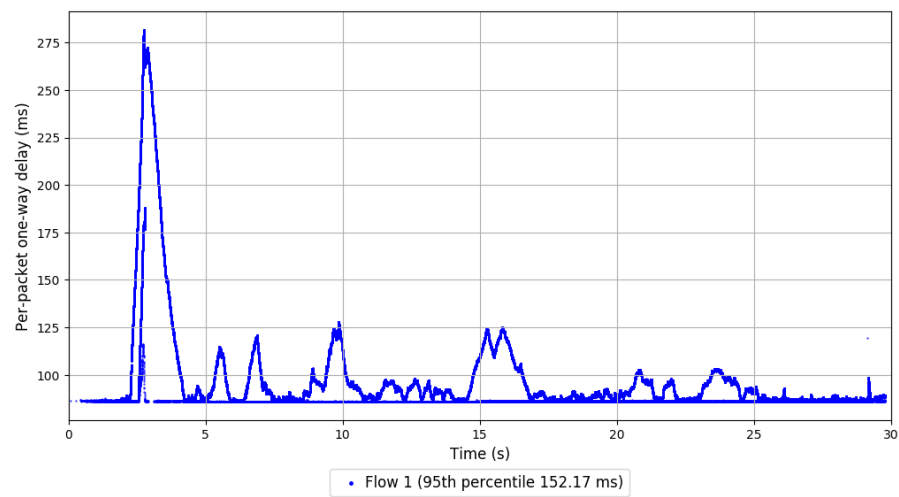
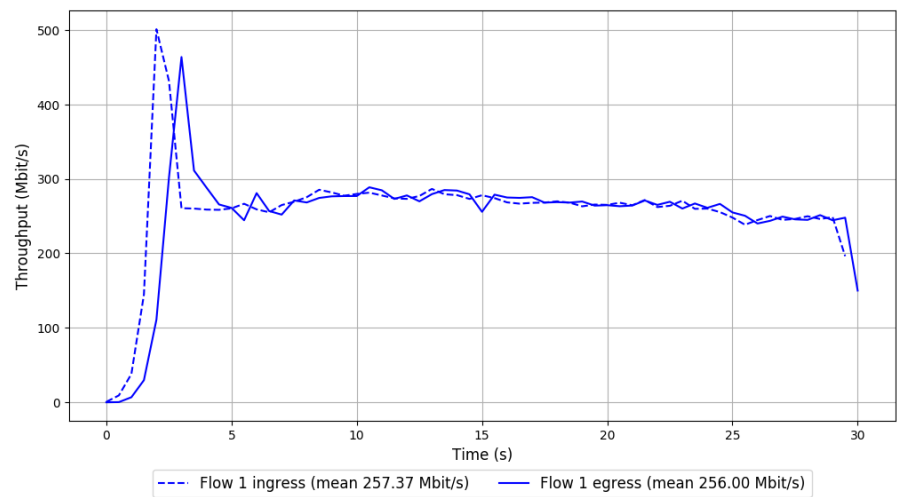
-- Flow 1:

Average throughput: 256.00 Mbit/s

95th percentile per-packet one-way delay: 152.168 ms

Loss rate: 1.11%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-10 09:56:43

End at: 2018-07-10 09:57:13

Local clock offset: -0.057 ms

Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-10 12:09:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 260.56 Mbit/s

95th percentile per-packet one-way delay: 132.327 ms

Loss rate: 1.10%

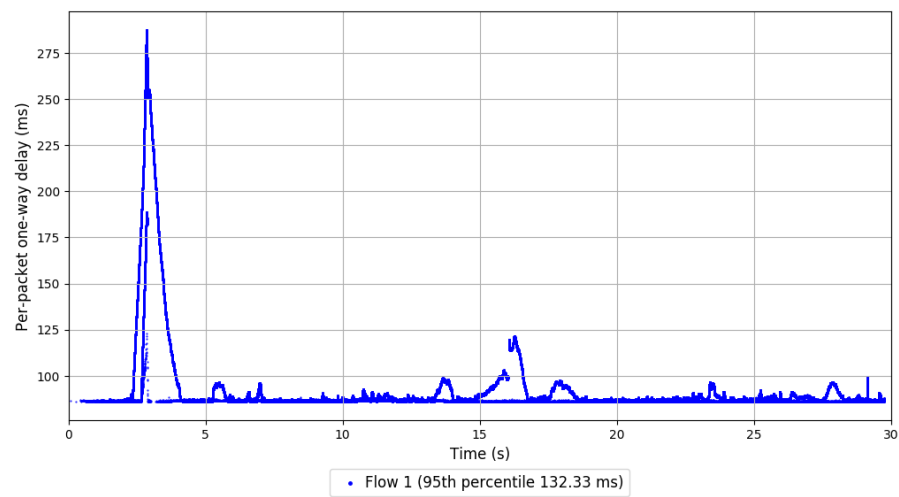
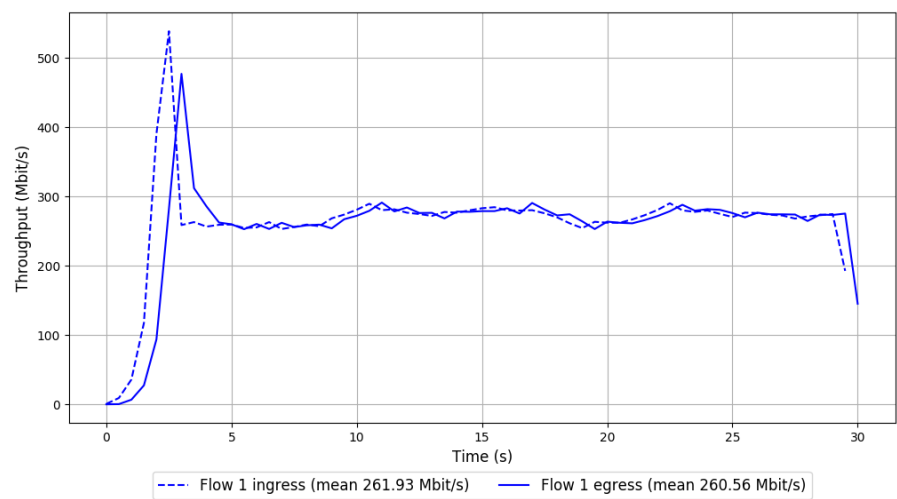
-- Flow 1:

Average throughput: 260.56 Mbit/s

95th percentile per-packet one-way delay: 132.327 ms

Loss rate: 1.10%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-10 10:18:17

End at: 2018-07-10 10:18:47

Local clock offset: 0.068 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-10 12:11:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 296.06 Mbit/s

95th percentile per-packet one-way delay: 129.419 ms

Loss rate: 1.00%

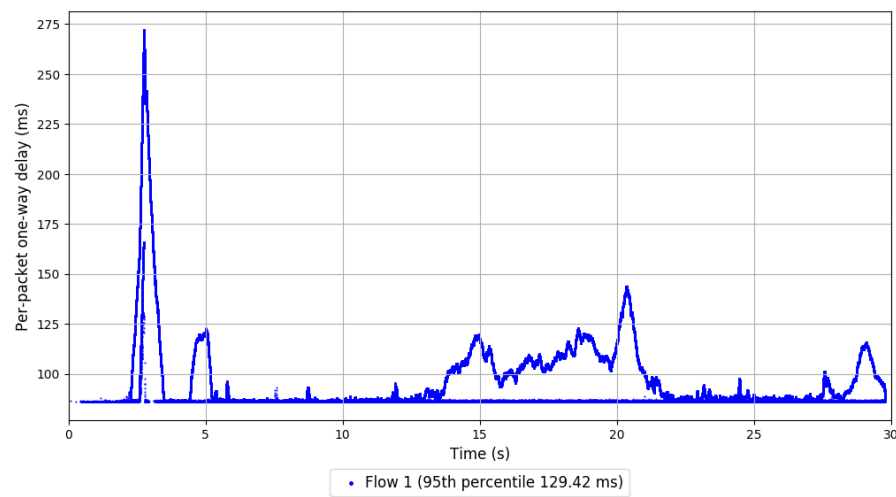
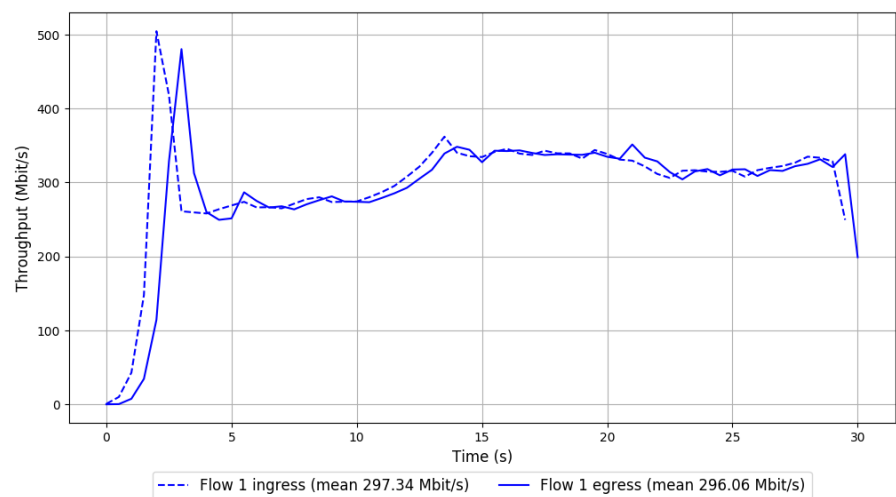
-- Flow 1:

Average throughput: 296.06 Mbit/s

95th percentile per-packet one-way delay: 129.419 ms

Loss rate: 1.00%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-10 10:39:40

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

Local clock offset: 0.08 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-07-10 12:11:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 275.84 Mbit/s

95th percentile per-packet one-way delay: 126.593 ms

Loss rate: 1.08%

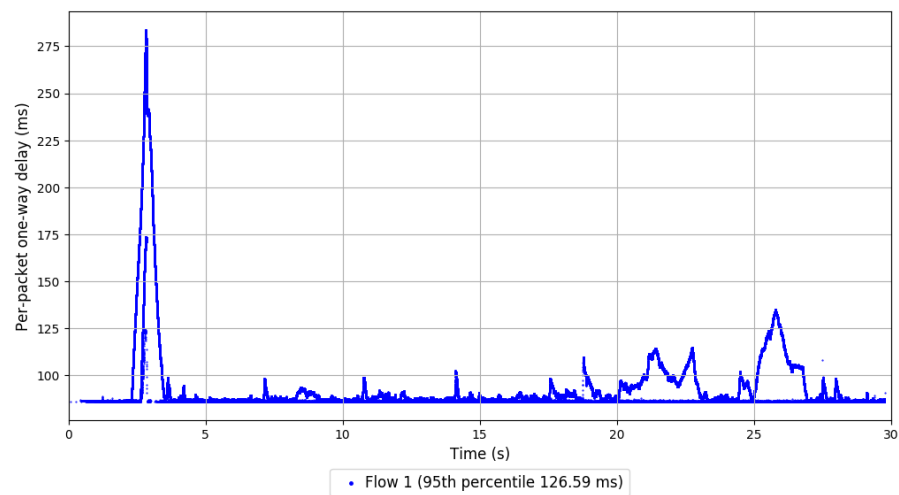
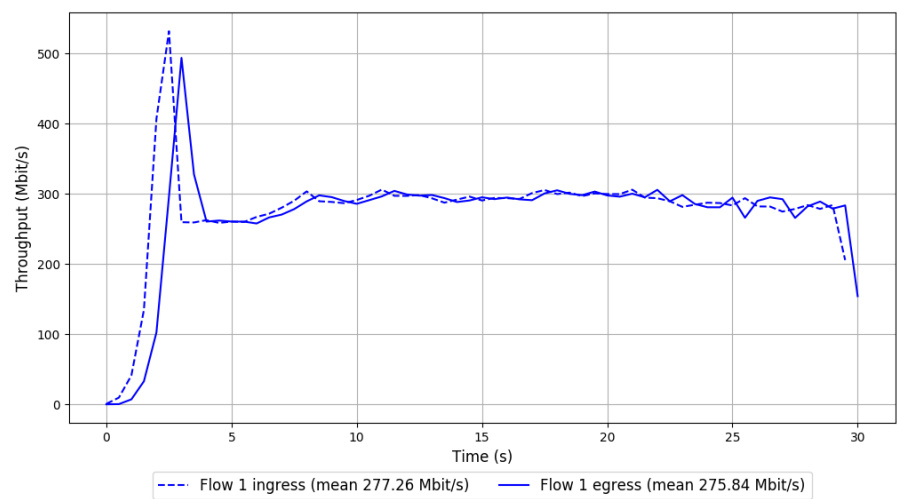
-- Flow 1:

Average throughput: 275.84 Mbit/s

95th percentile per-packet one-way delay: 126.593 ms

Loss rate: 1.08%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-10 11:01:25

End at: 2018-07-10 11:01:55

Local clock offset: -0.295 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-10 12:13:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 250.65 Mbit/s

95th percentile per-packet one-way delay: 167.455 ms

Loss rate: 1.21%

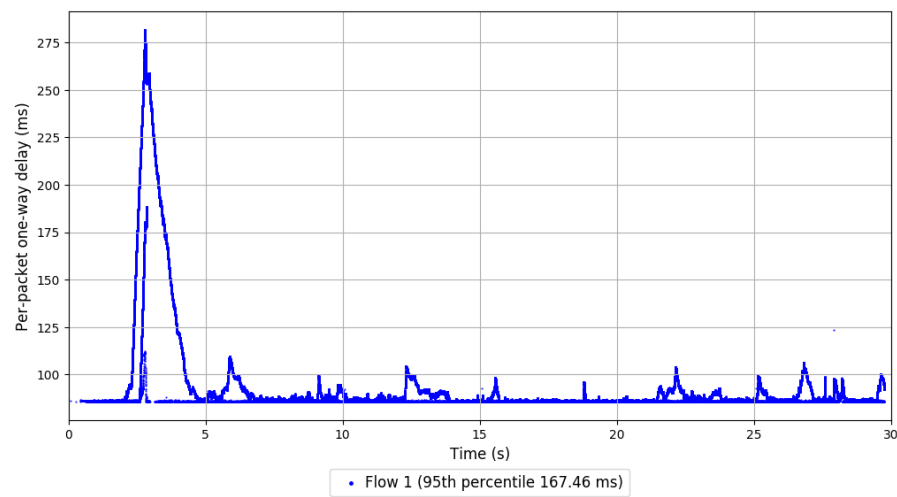
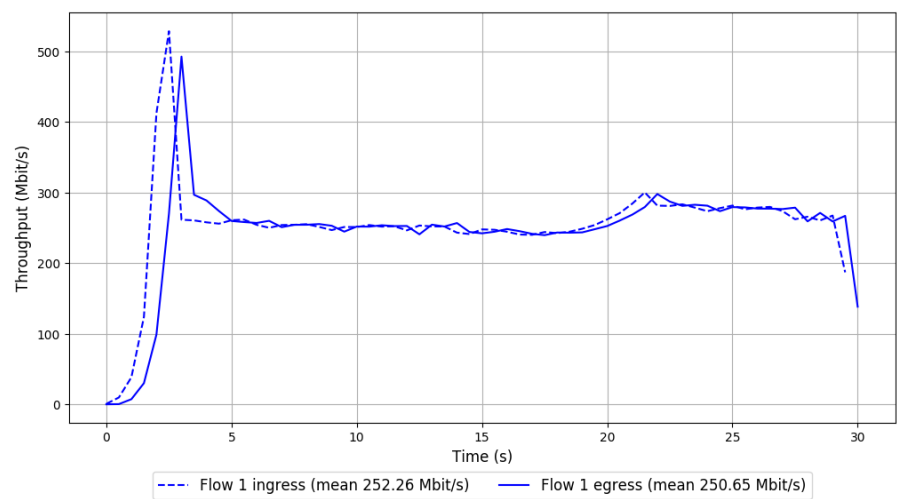
-- Flow 1:

Average throughput: 250.65 Mbit/s

95th percentile per-packet one-way delay: 167.455 ms

Loss rate: 1.21%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-10 11:22:45

End at: 2018-07-10 11:23:15

Local clock offset: 0.138 ms

Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-10 12:13:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 266.15 Mbit/s

95th percentile per-packet one-way delay: 149.161 ms

Loss rate: 1.05%

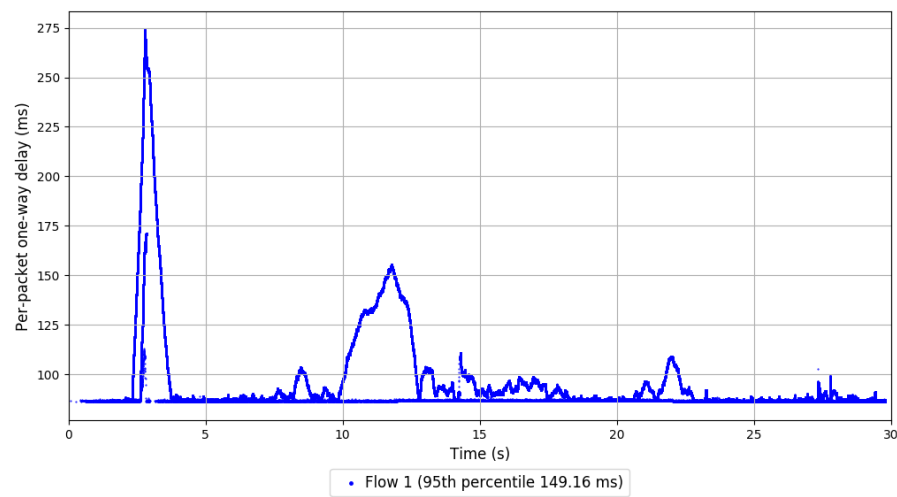
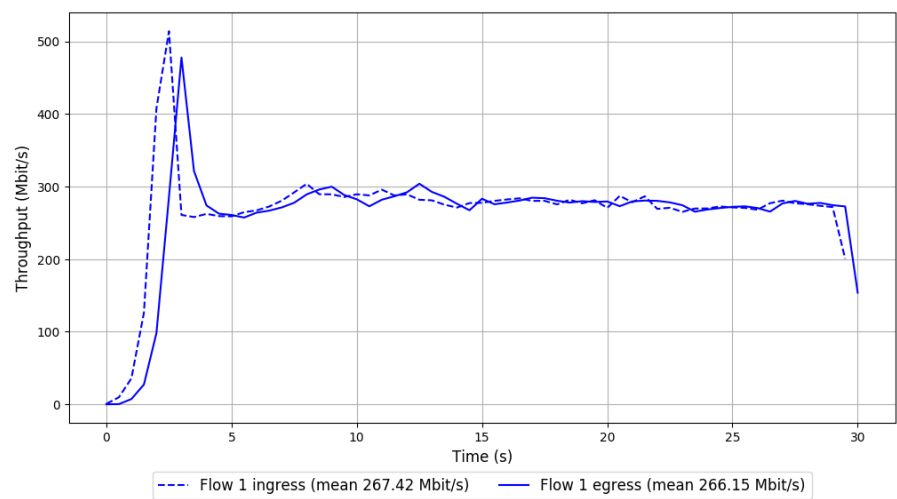
-- Flow 1:

Average throughput: 266.15 Mbit/s

95th percentile per-packet one-way delay: 149.161 ms

Loss rate: 1.05%

Run 10: Report of PCC-Allegro — Data Link

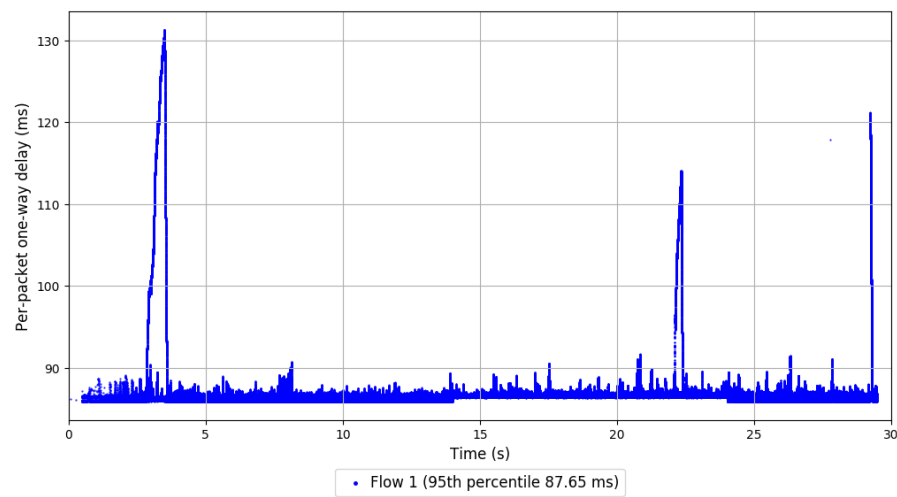
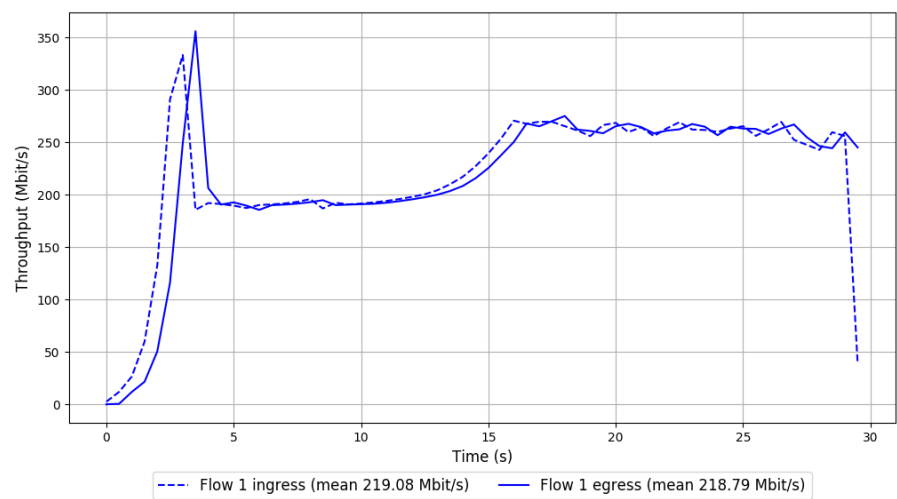


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-10 08:10:13
End at: 2018-07-10 08:10:43
Local clock offset: 0.024 ms
Remote clock offset: 0.022 ms

# Below is generated by plot.py at 2018-07-10 12:16:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 218.79 Mbit/s
95th percentile per-packet one-way delay: 87.654 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 218.79 Mbit/s
95th percentile per-packet one-way delay: 87.654 ms
Loss rate: 0.71%
```


Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-07-10 08:31:27

End at: 2018-07-10 08:31:57

Local clock offset: -0.004 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-10 12:16:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.47 Mbit/s

95th percentile per-packet one-way delay: 90.139 ms

Loss rate: 0.61%

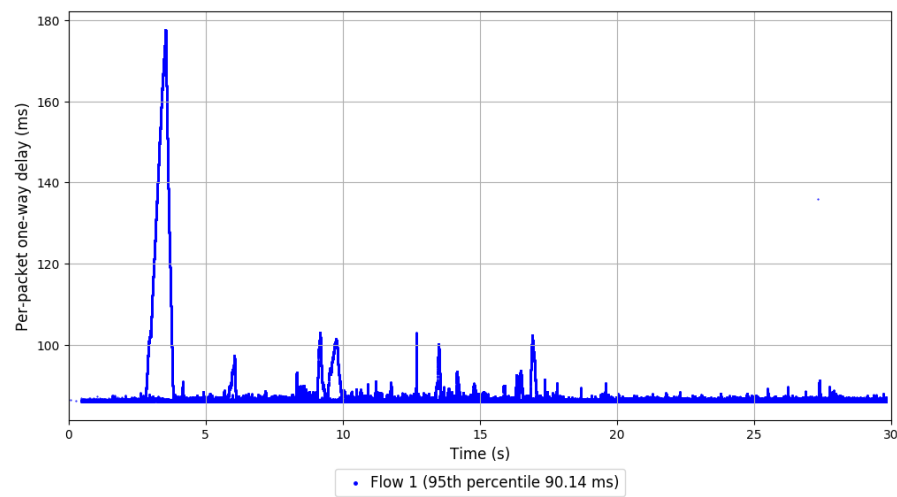
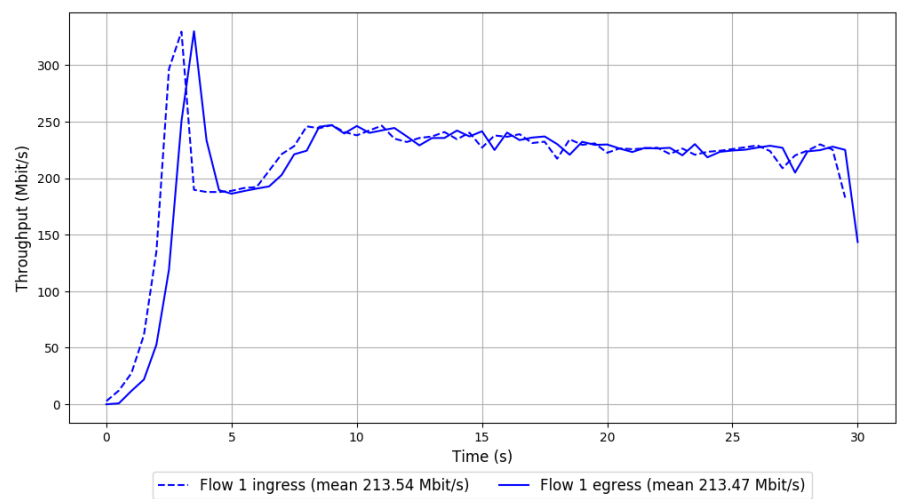
-- Flow 1:

Average throughput: 213.47 Mbit/s

95th percentile per-packet one-way delay: 90.139 ms

Loss rate: 0.61%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-10 08:53:10

End at: 2018-07-10 08:53:40

Local clock offset: 0.174 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-10 12:16:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.54 Mbit/s

95th percentile per-packet one-way delay: 87.430 ms

Loss rate: 0.76%

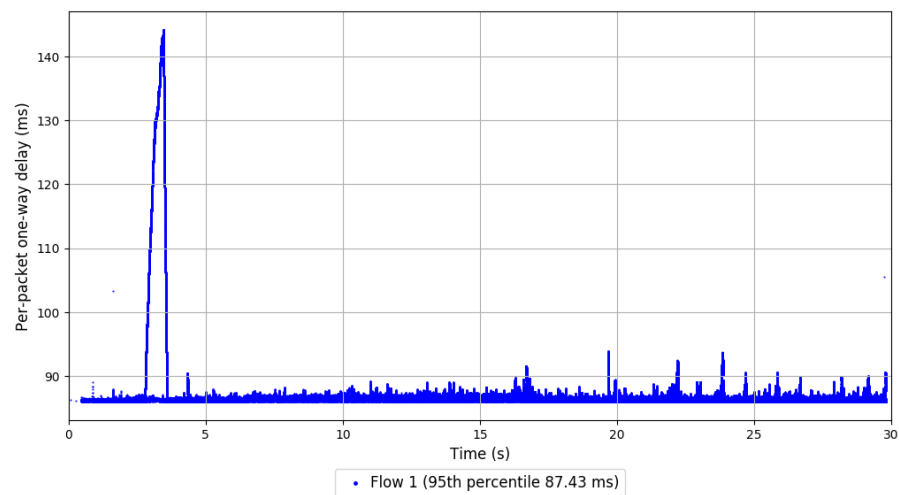
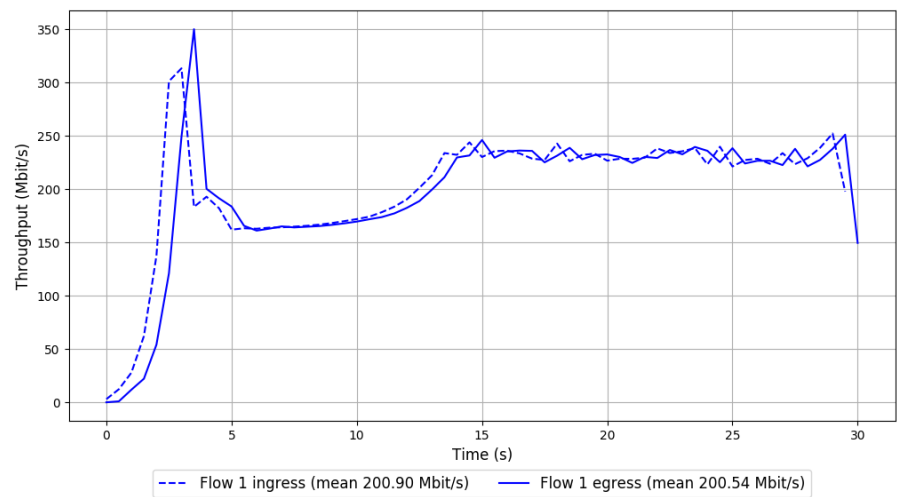
-- Flow 1:

Average throughput: 200.54 Mbit/s

95th percentile per-packet one-way delay: 87.430 ms

Loss rate: 0.76%

Run 3: Report of PCC-Expr — Data Link

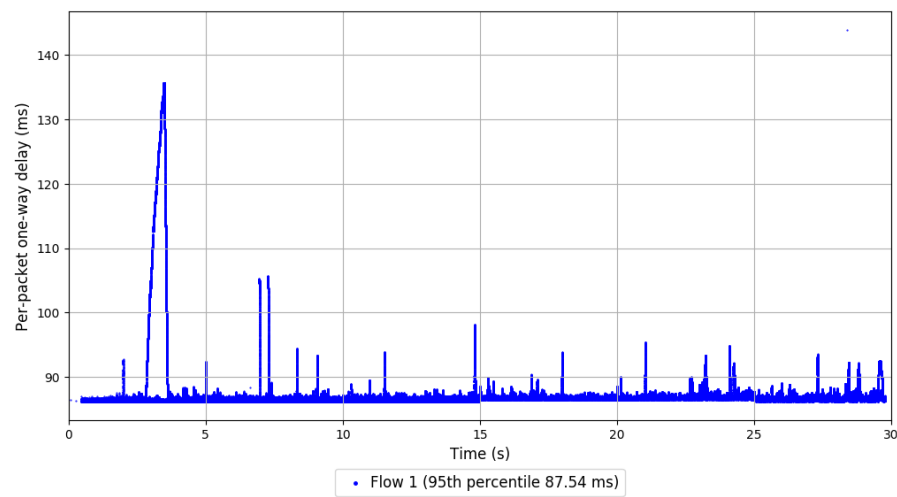
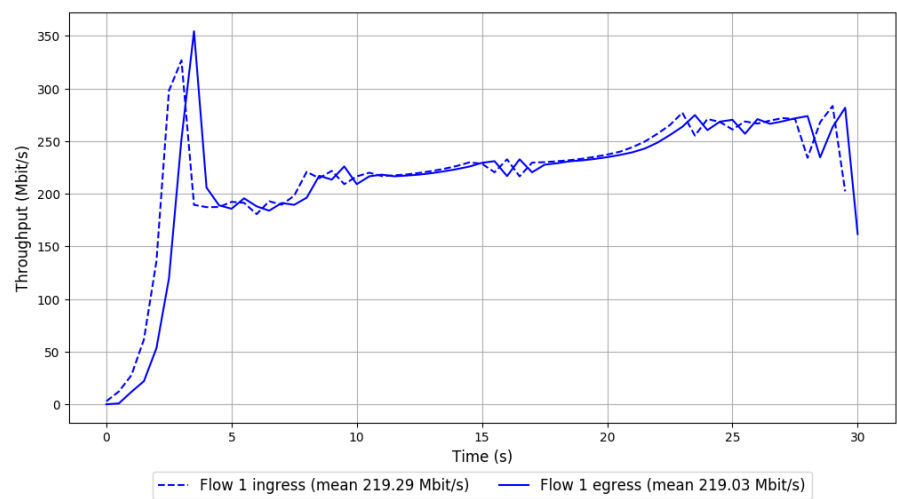


Run 4: Statistics of PCC-Expr

Start at: 2018-07-10 09:14:52
End at: 2018-07-10 09:15:22
Local clock offset: 0.133 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-10 12:16:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.03 Mbit/s
95th percentile per-packet one-way delay: 87.544 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 219.03 Mbit/s
95th percentile per-packet one-way delay: 87.544 ms
Loss rate: 0.69%

Run 4: Report of PCC-Expr — Data Link

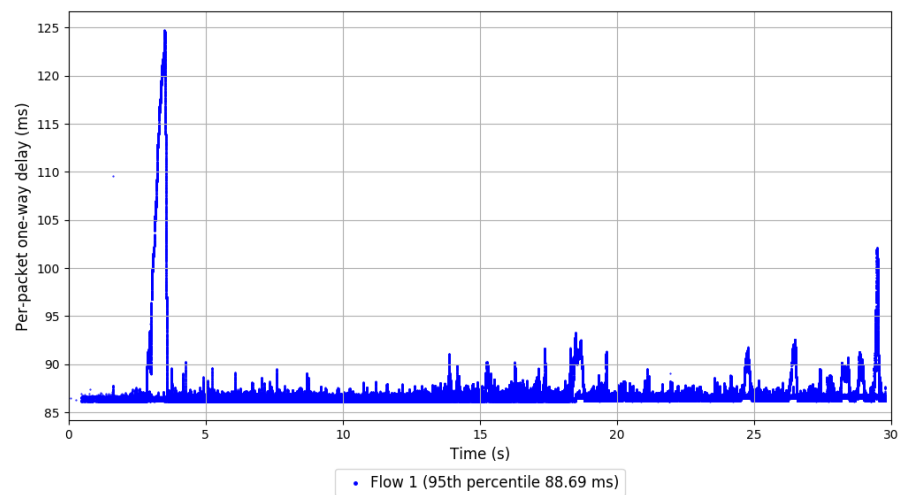
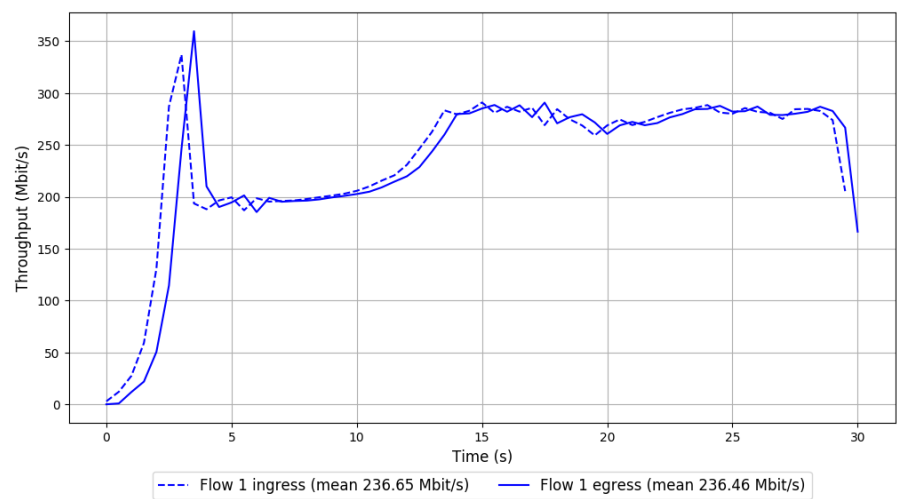


Run 5: Statistics of PCC-Expr

Start at: 2018-07-10 09:36:28
End at: 2018-07-10 09:36:58
Local clock offset: 0.099 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-10 12:19:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 236.46 Mbit/s
95th percentile per-packet one-way delay: 88.695 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 236.46 Mbit/s
95th percentile per-packet one-way delay: 88.695 ms
Loss rate: 0.66%

Run 5: Report of PCC-Expr — Data Link

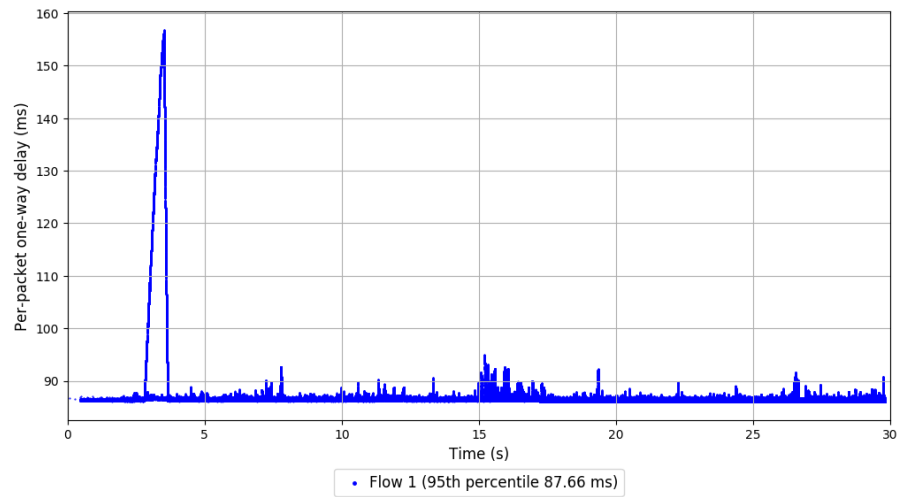
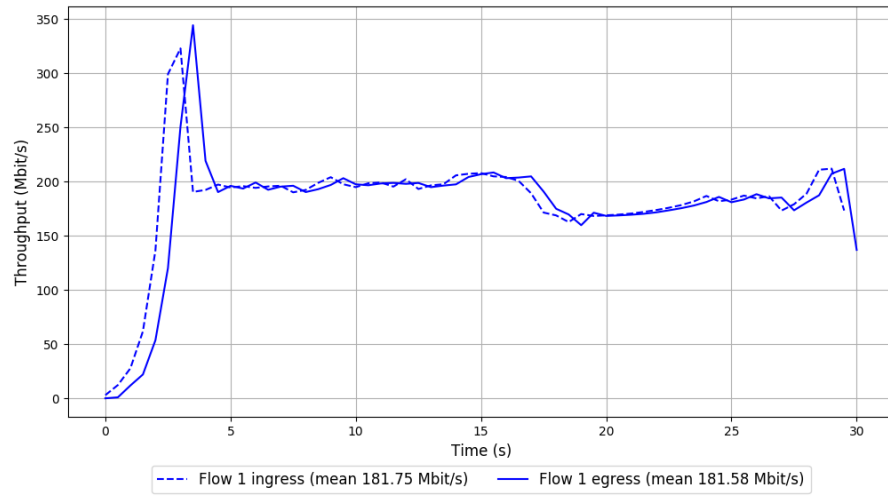


Run 6: Statistics of PCC-Expr

Start at: 2018-07-10 09:58:00
End at: 2018-07-10 09:58:30
Local clock offset: 0.047 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-10 12:19:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.58 Mbit/s
95th percentile per-packet one-way delay: 87.655 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 181.58 Mbit/s
95th percentile per-packet one-way delay: 87.655 ms
Loss rate: 0.67%

Run 6: Report of PCC-Expr — Data Link

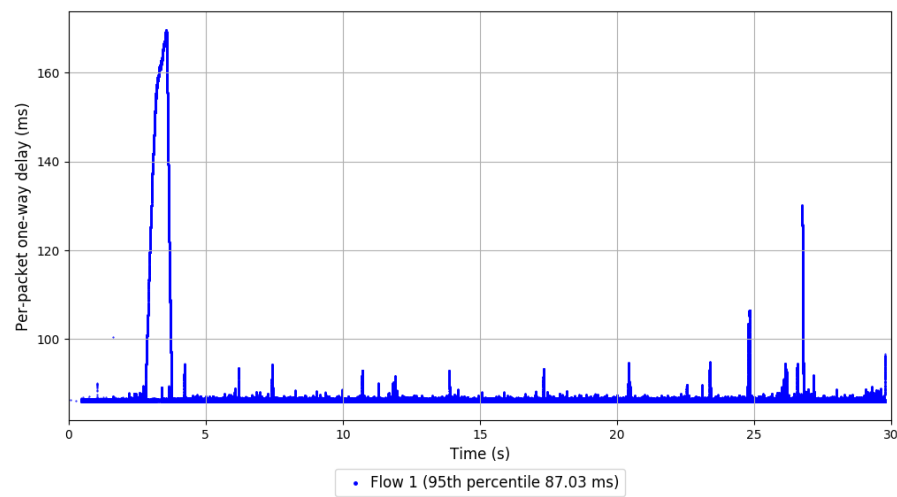
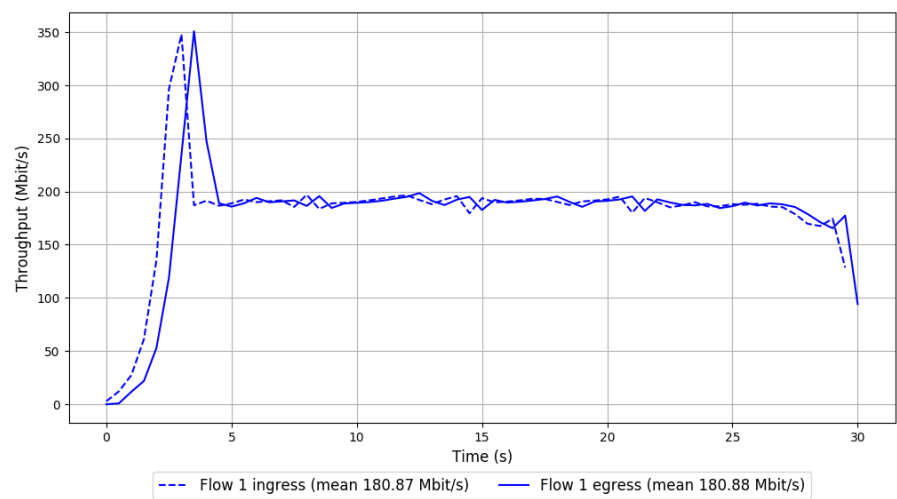


Run 7: Statistics of PCC-Expr

Start at: 2018-07-10 10:19:34
End at: 2018-07-10 10:20:04
Local clock offset: -0.142 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-10 12:20:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 180.88 Mbit/s
95th percentile per-packet one-way delay: 87.030 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 180.88 Mbit/s
95th percentile per-packet one-way delay: 87.030 ms
Loss rate: 0.58%

Run 7: Report of PCC-Expr — Data Link

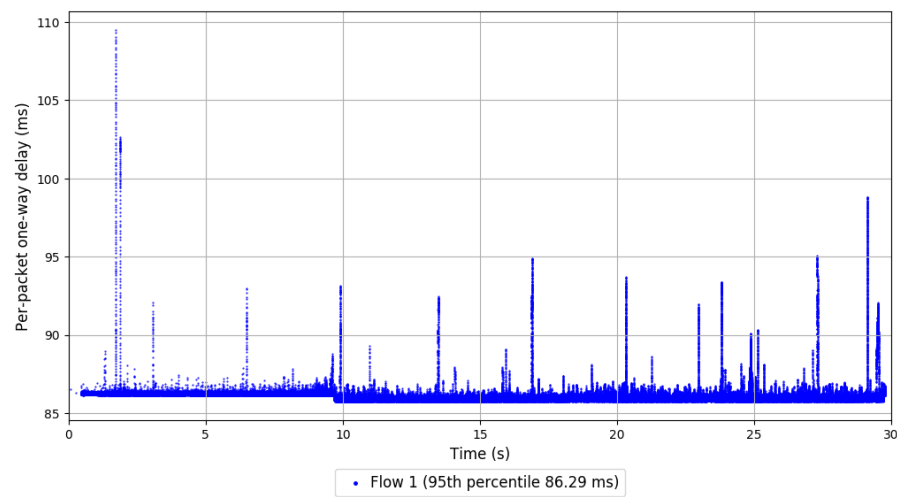
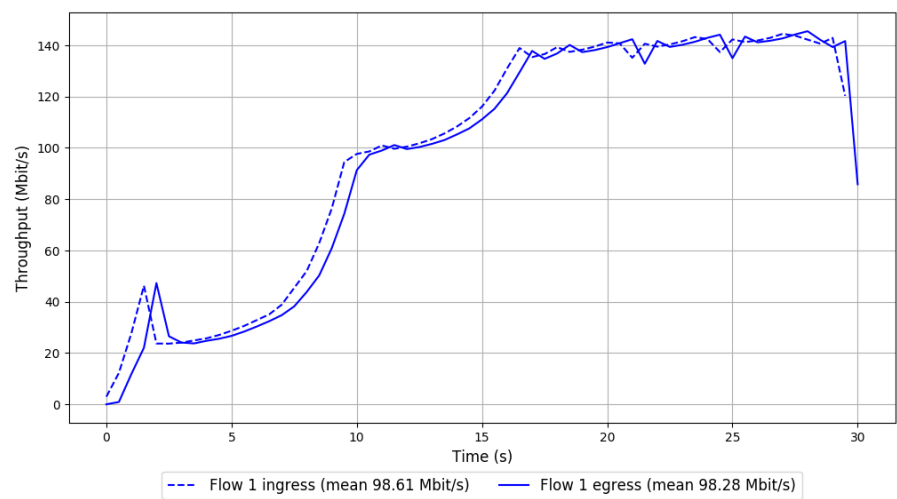


Run 8: Statistics of PCC-Expr

Start at: 2018-07-10 10:40:57
End at: 2018-07-10 10:41:27
Local clock offset: -0.159 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-10 12:20:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 98.28 Mbit/s
95th percentile per-packet one-way delay: 86.288 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 98.28 Mbit/s
95th percentile per-packet one-way delay: 86.288 ms
Loss rate: 1.02%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-10 11:02:41

End at: 2018-07-10 11:03:11

Local clock offset: 0.001 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-10 12:22:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.32 Mbit/s

95th percentile per-packet one-way delay: 87.400 ms

Loss rate: 0.53%

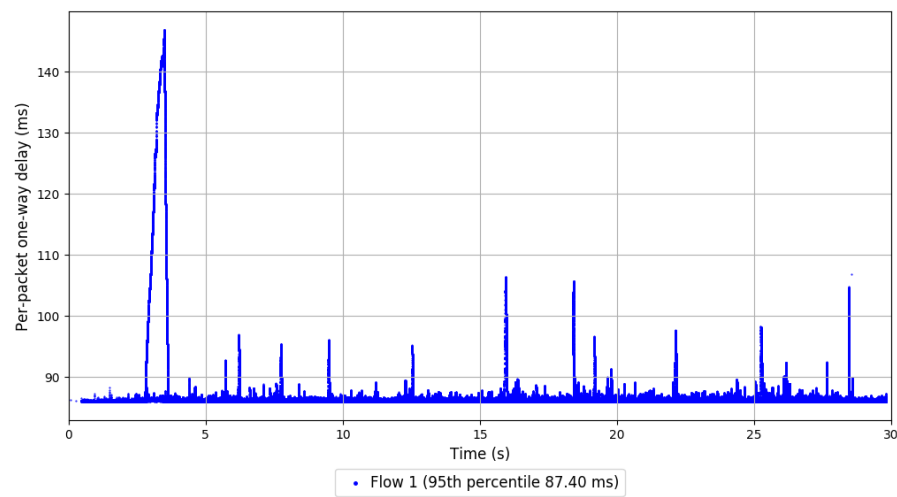
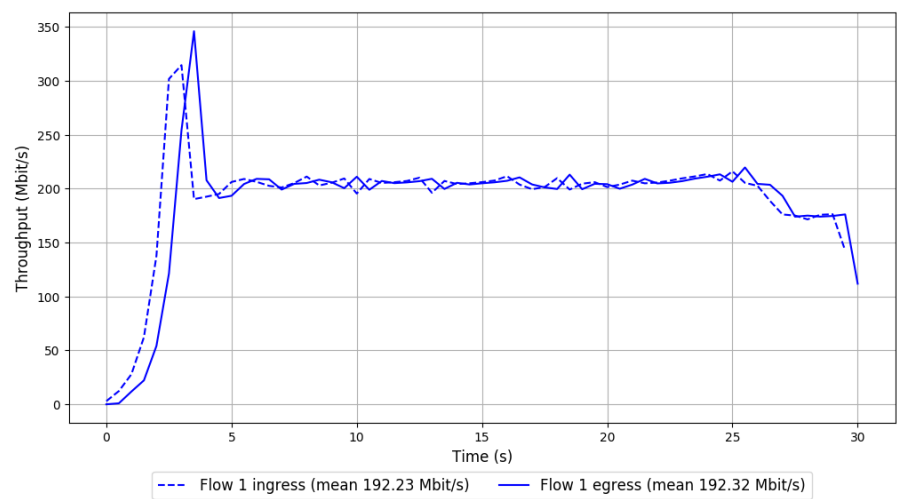
-- Flow 1:

Average throughput: 192.32 Mbit/s

95th percentile per-packet one-way delay: 87.400 ms

Loss rate: 0.53%

Run 9: Report of PCC-Expr — Data Link

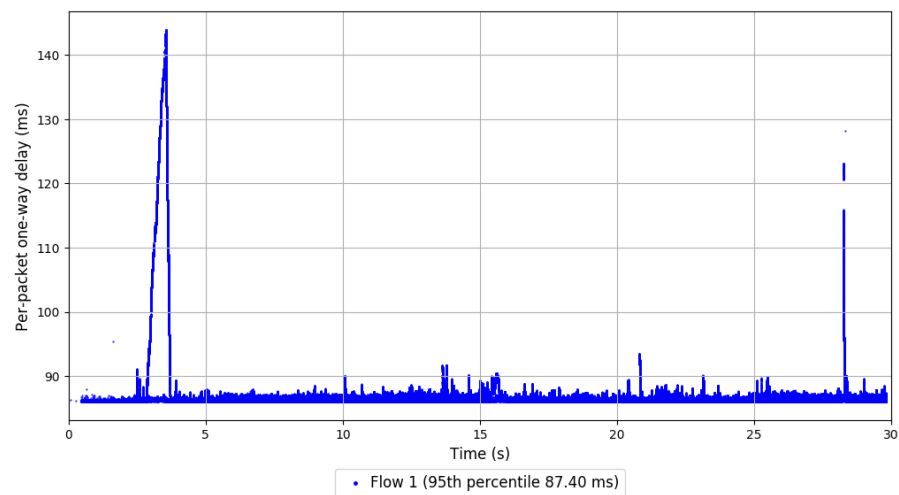
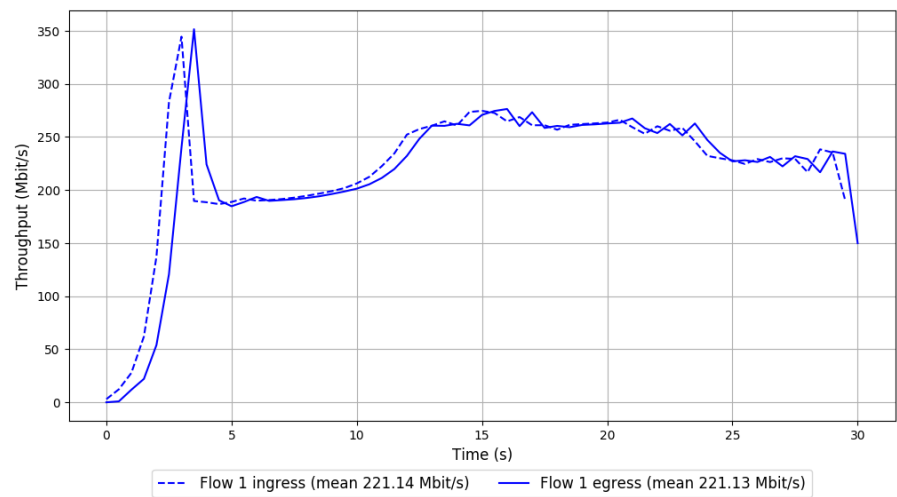


Run 10: Statistics of PCC-Expr

Start at: 2018-07-10 11:24:02
End at: 2018-07-10 11:24:32
Local clock offset: 0.032 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-10 12:23:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.13 Mbit/s
95th percentile per-packet one-way delay: 87.399 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 221.13 Mbit/s
95th percentile per-packet one-way delay: 87.399 ms
Loss rate: 0.63%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

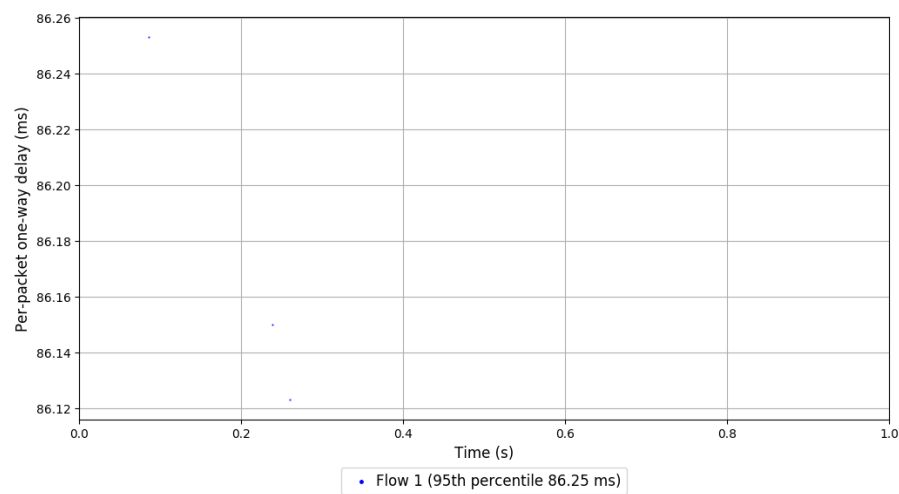
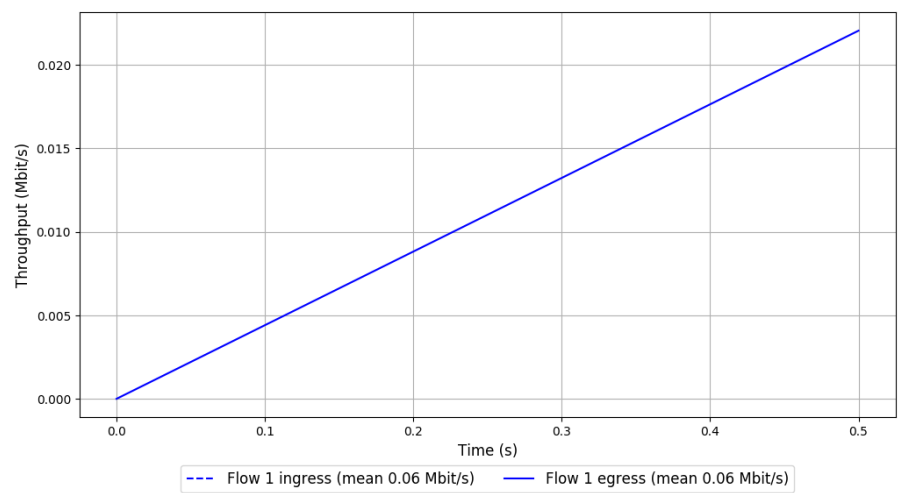
Start at: 2018-07-10 08:00:35

End at: 2018-07-10 08:01:05

Local clock offset: -0.041 ms

Remote clock offset: 0.019 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-10 08:21:40

End at: 2018-07-10 08:22:10

Local clock offset: 0.167 ms

Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-10 12:23:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.36 Mbit/s

95th percentile per-packet one-way delay: 86.366 ms

Loss rate: 0.48%

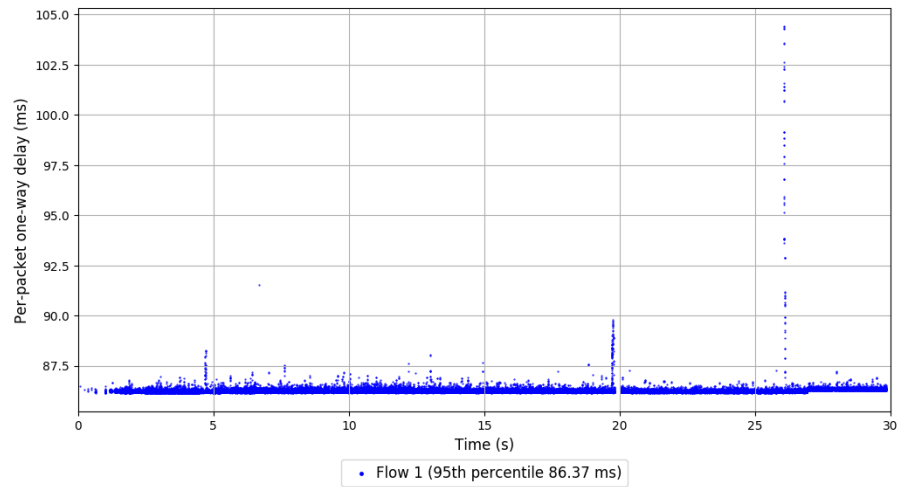
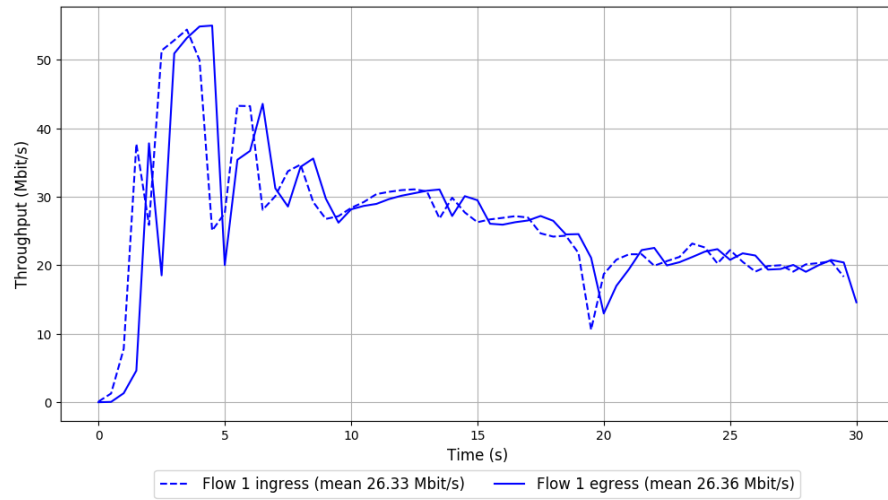
-- Flow 1:

Average throughput: 26.36 Mbit/s

95th percentile per-packet one-way delay: 86.366 ms

Loss rate: 0.48%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-10 08:43:15

End at: 2018-07-10 08:43:45

Local clock offset: -0.001 ms

Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-10 12:23:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.70 Mbit/s

95th percentile per-packet one-way delay: 86.513 ms

Loss rate: 0.87%

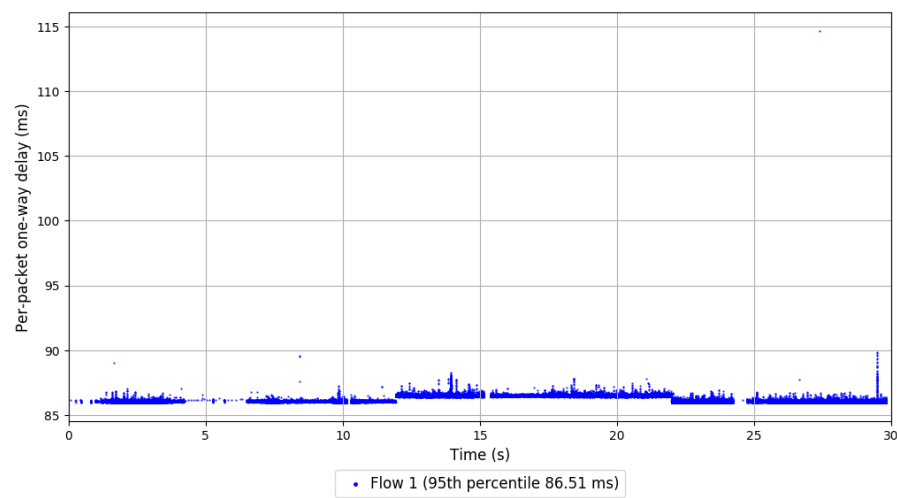
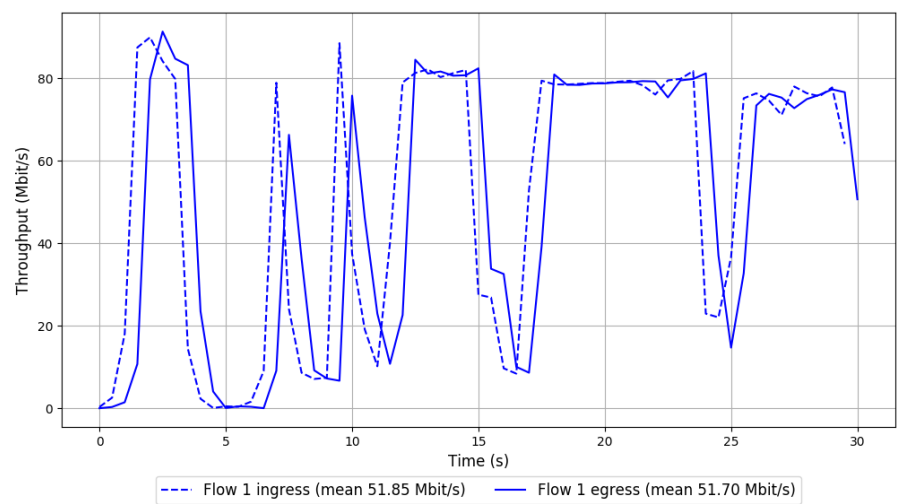
-- Flow 1:

Average throughput: 51.70 Mbit/s

95th percentile per-packet one-way delay: 86.513 ms

Loss rate: 0.87%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-10 09:05:02

End at: 2018-07-10 09:05:32

Local clock offset: -0.027 ms

Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-10 12:23:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.90 Mbit/s

95th percentile per-packet one-way delay: 86.477 ms

Loss rate: 0.82%

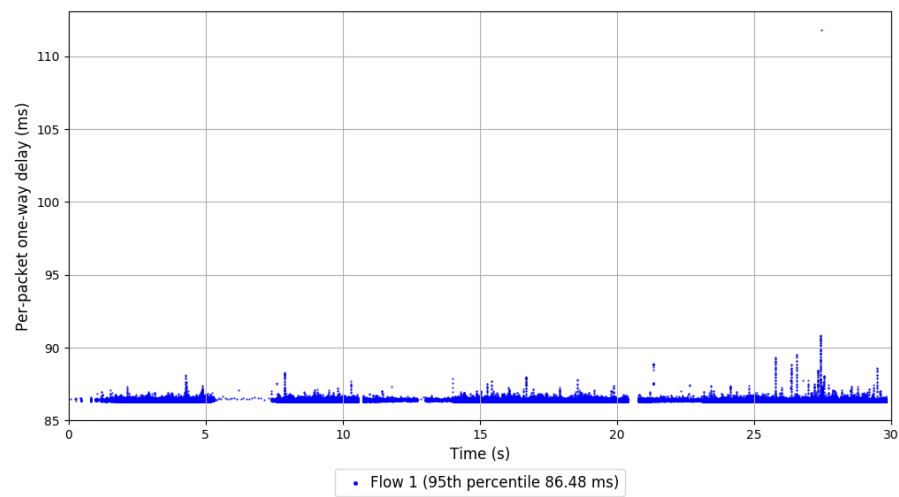
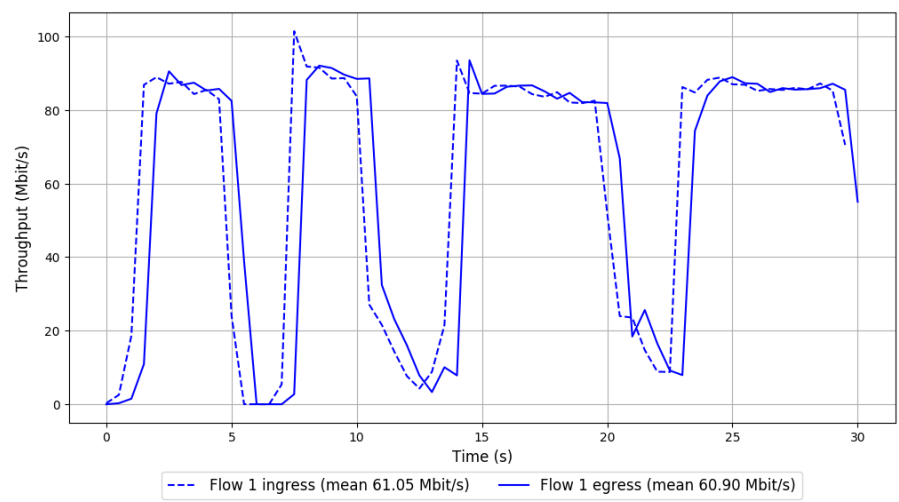
-- Flow 1:

Average throughput: 60.90 Mbit/s

95th percentile per-packet one-way delay: 86.477 ms

Loss rate: 0.82%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-10 09:26:31

End at: 2018-07-10 09:27:01

Local clock offset: 0.036 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-10 12:23:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.95 Mbit/s

95th percentile per-packet one-way delay: 86.249 ms

Loss rate: 0.69%

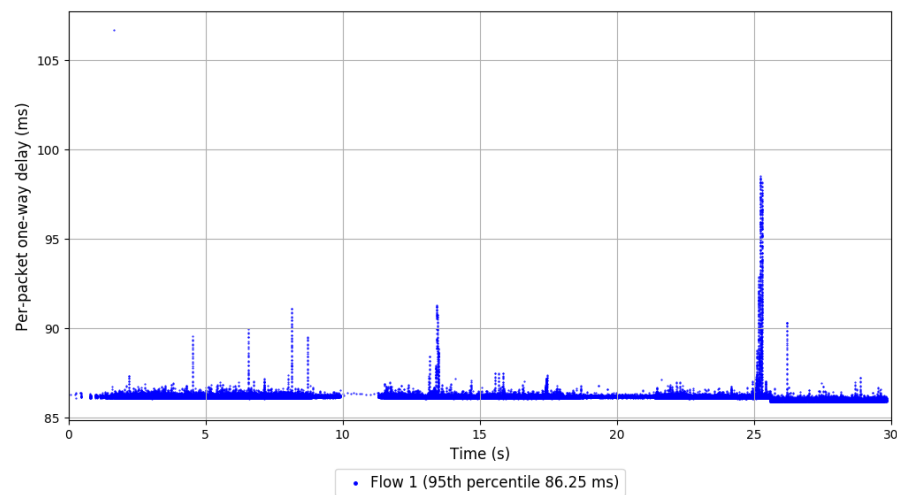
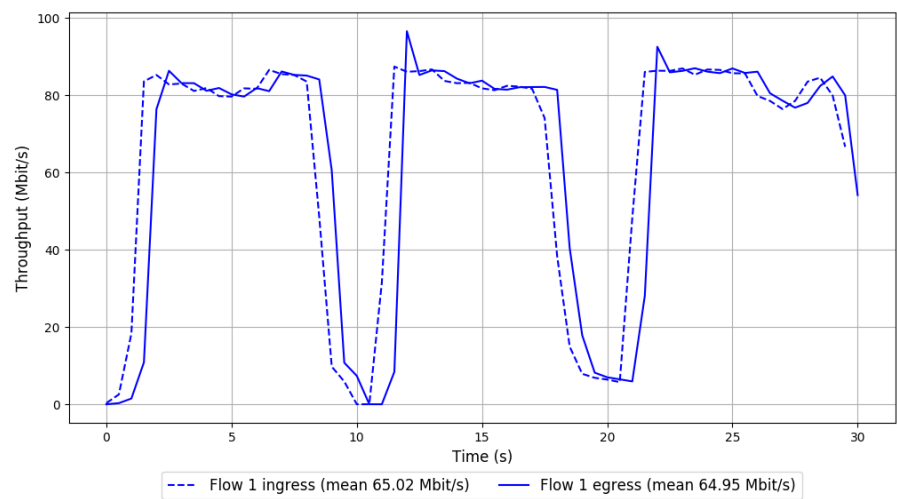
-- Flow 1:

Average throughput: 64.95 Mbit/s

95th percentile per-packet one-way delay: 86.249 ms

Loss rate: 0.69%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-10 09:48:12

End at: 2018-07-10 09:48:42

Local clock offset: 0.04 ms

Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-10 12:23:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.72 Mbit/s

95th percentile per-packet one-way delay: 86.256 ms

Loss rate: 0.78%

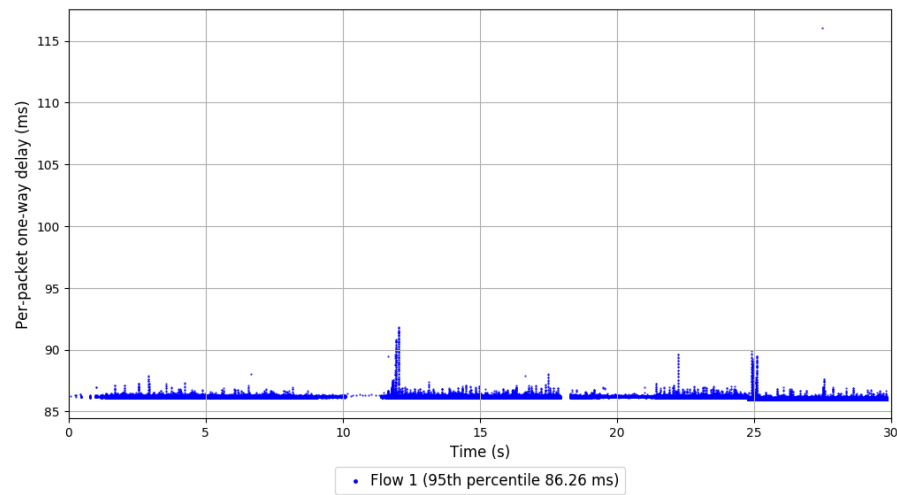
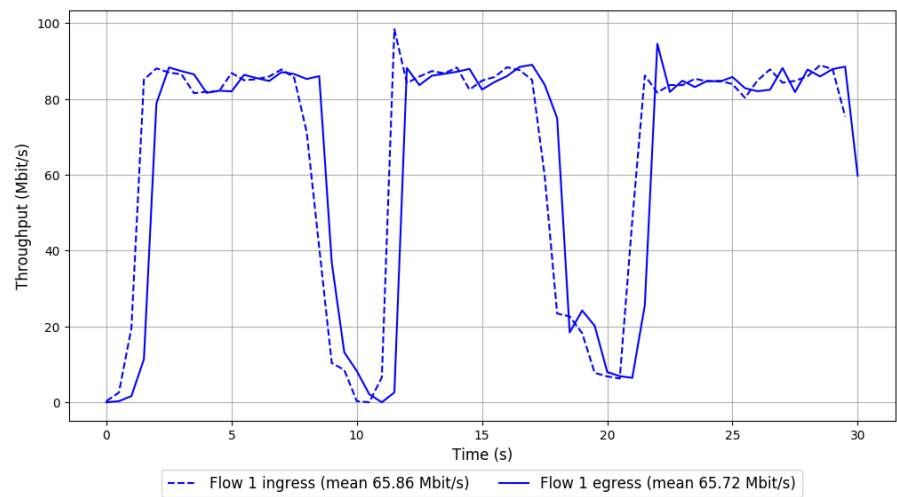
-- Flow 1:

Average throughput: 65.72 Mbit/s

95th percentile per-packet one-way delay: 86.256 ms

Loss rate: 0.78%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-10 10:09:43

End at: 2018-07-10 10:10:13

Local clock offset: 0.028 ms

Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-10 12:23:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.40 Mbit/s

95th percentile per-packet one-way delay: 86.235 ms

Loss rate: 1.03%

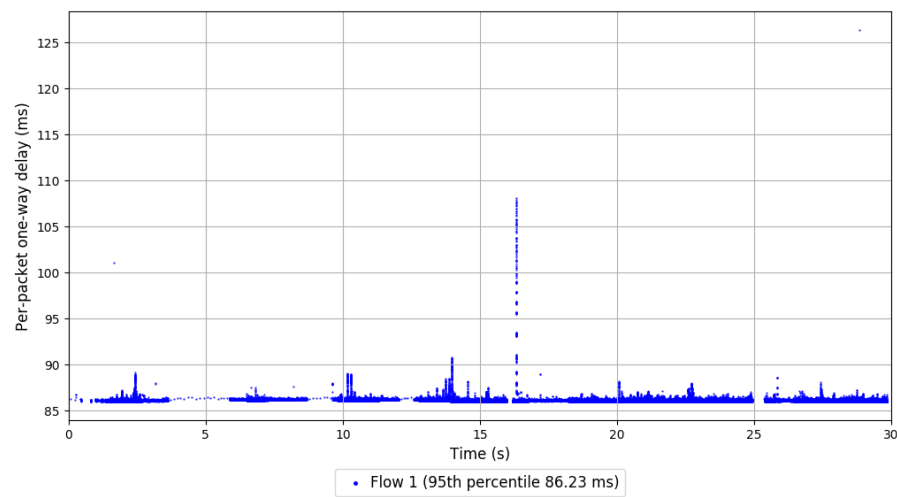
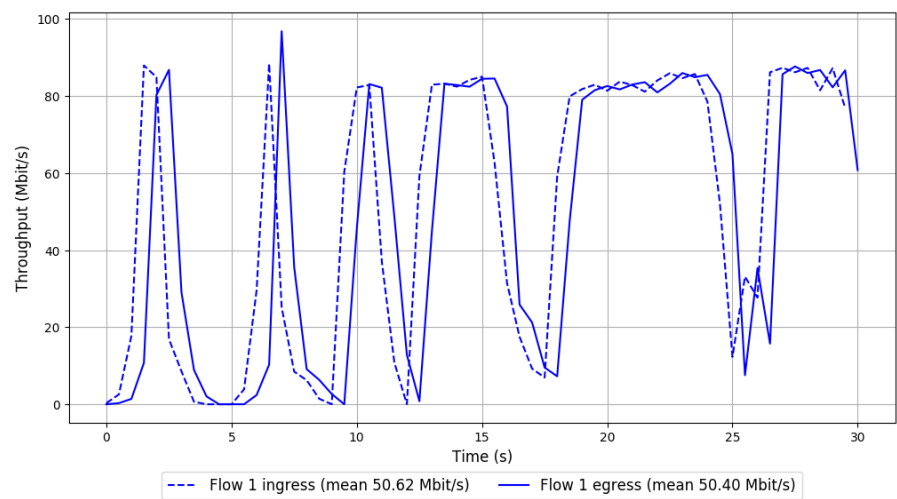
-- Flow 1:

Average throughput: 50.40 Mbit/s

95th percentile per-packet one-way delay: 86.235 ms

Loss rate: 1.03%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-10 10:31:02

End at: 2018-07-10 10:31:32

Local clock offset: 0.035 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-10 12:23:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.12 Mbit/s

95th percentile per-packet one-way delay: 86.470 ms

Loss rate: 0.79%

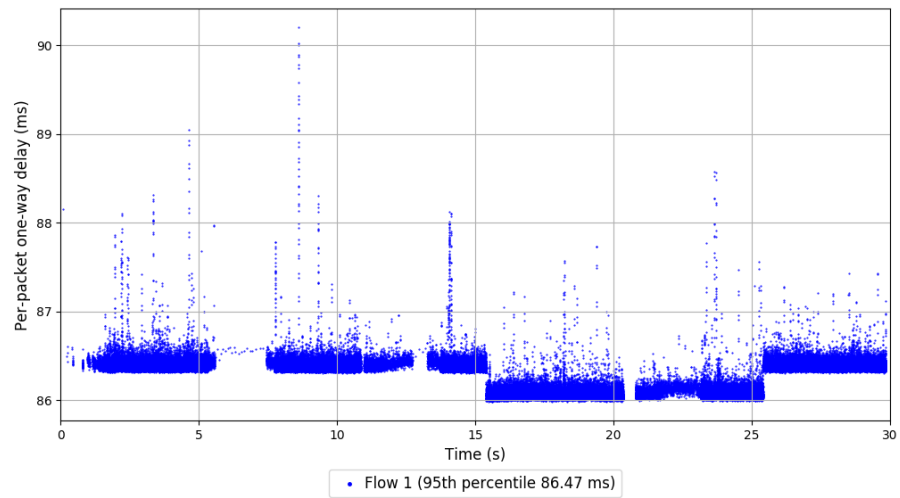
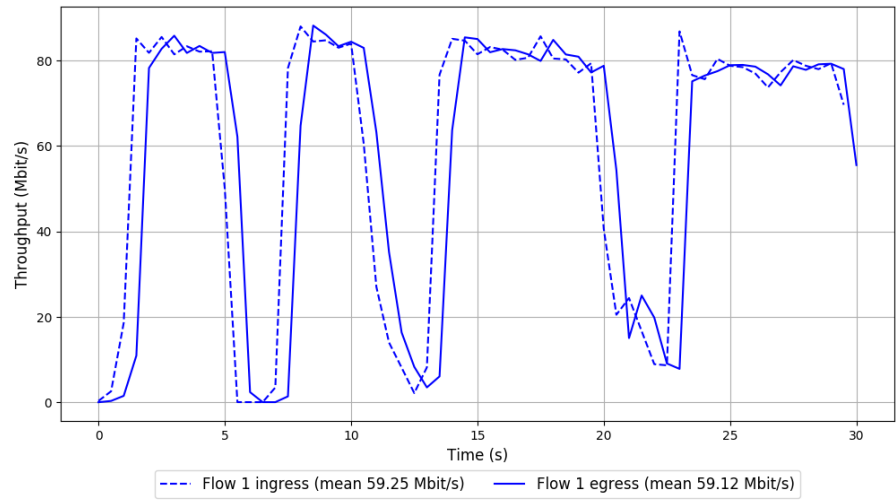
-- Flow 1:

Average throughput: 59.12 Mbit/s

95th percentile per-packet one-way delay: 86.470 ms

Loss rate: 0.79%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-10 10:52:42

End at: 2018-07-10 10:53:12

Local clock offset: 0.02 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-07-10 12:23:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.41 Mbit/s

95th percentile per-packet one-way delay: 86.137 ms

Loss rate: 0.87%

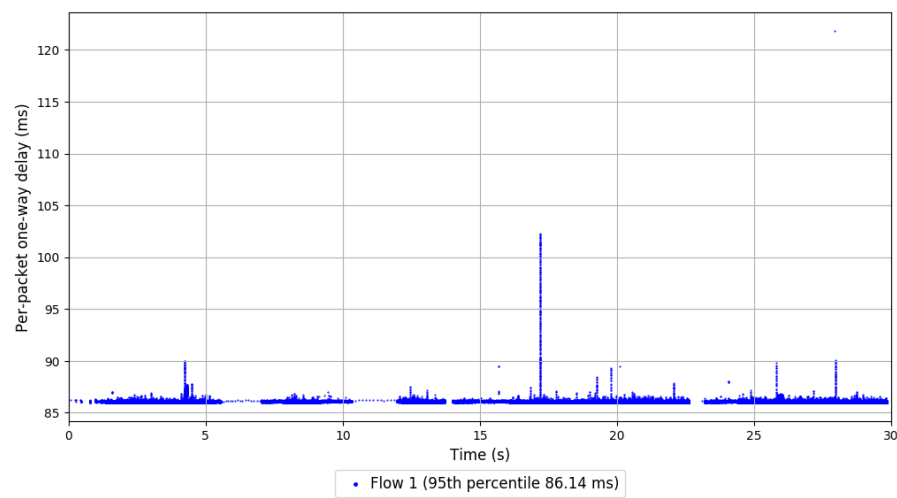
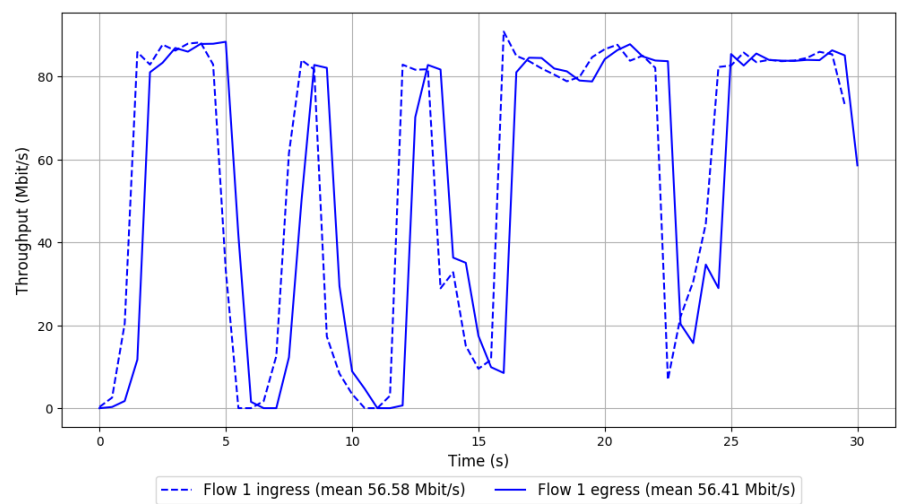
-- Flow 1:

Average throughput: 56.41 Mbit/s

95th percentile per-packet one-way delay: 86.137 ms

Loss rate: 0.87%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-10 11:14:16

End at: 2018-07-10 11:14:46

Local clock offset: -0.031 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-10 12:23:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.31 Mbit/s

95th percentile per-packet one-way delay: 86.562 ms

Loss rate: 0.85%

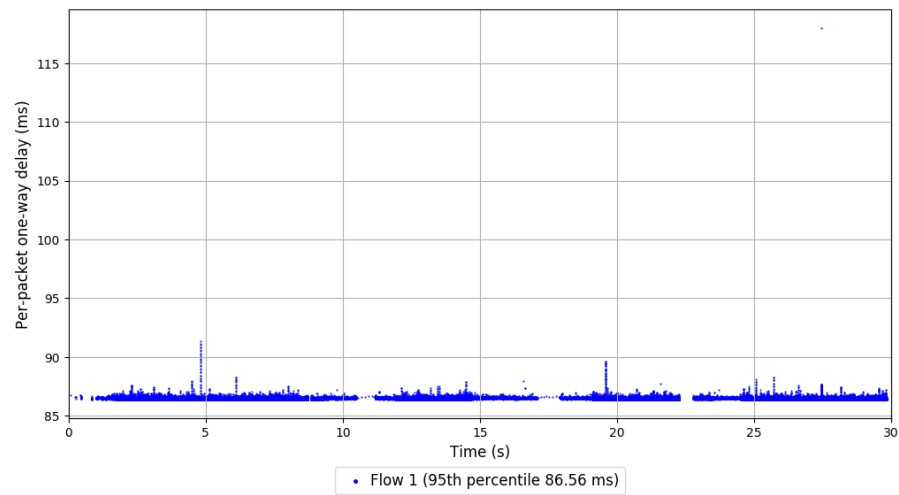
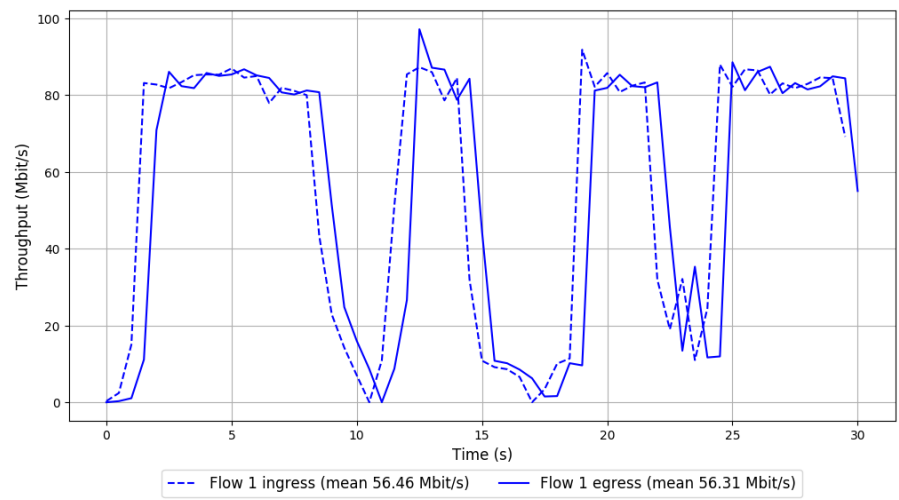
-- Flow 1:

Average throughput: 56.31 Mbit/s

95th percentile per-packet one-way delay: 86.562 ms

Loss rate: 0.85%

Run 10: Report of QUIC Cubic — Data Link

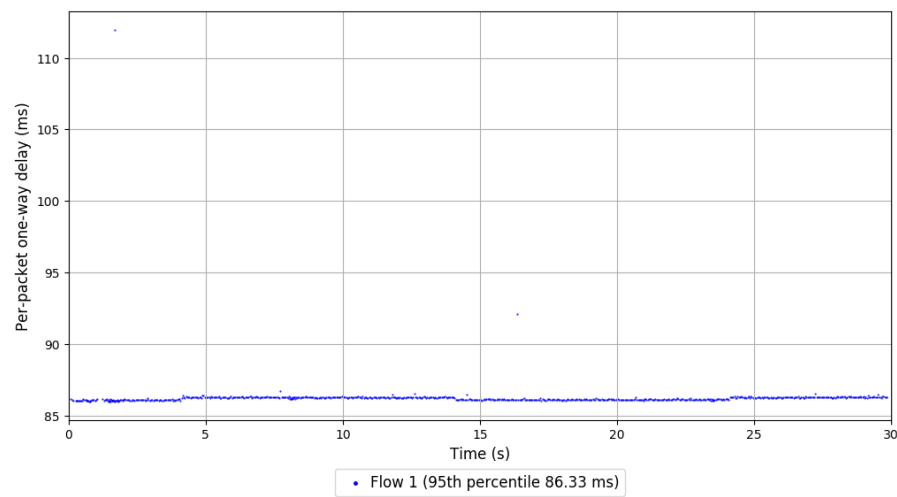
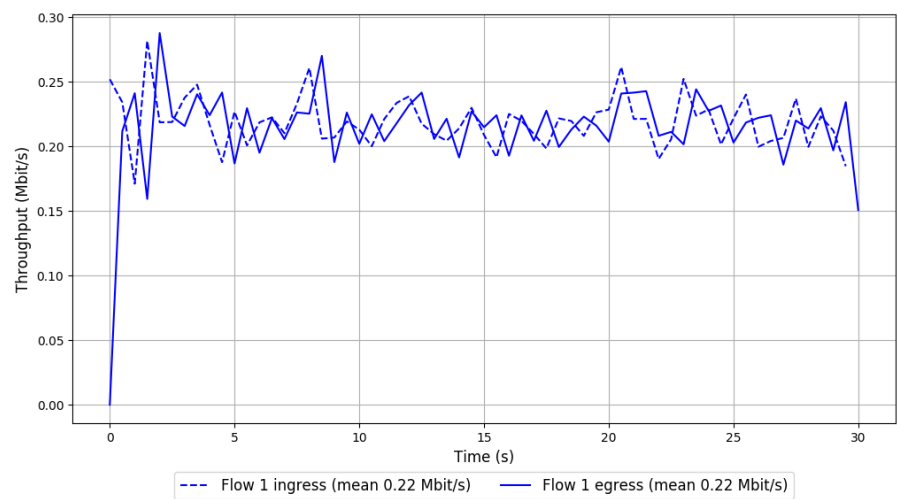


Run 1: Statistics of SCReAM

Start at: 2018-07-10 08:06:43
End at: 2018-07-10 08:07:13
Local clock offset: -0.013 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-10 12:23:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.326 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.326 ms
Loss rate: 0.51%

Run 1: Report of SReAM — Data Link

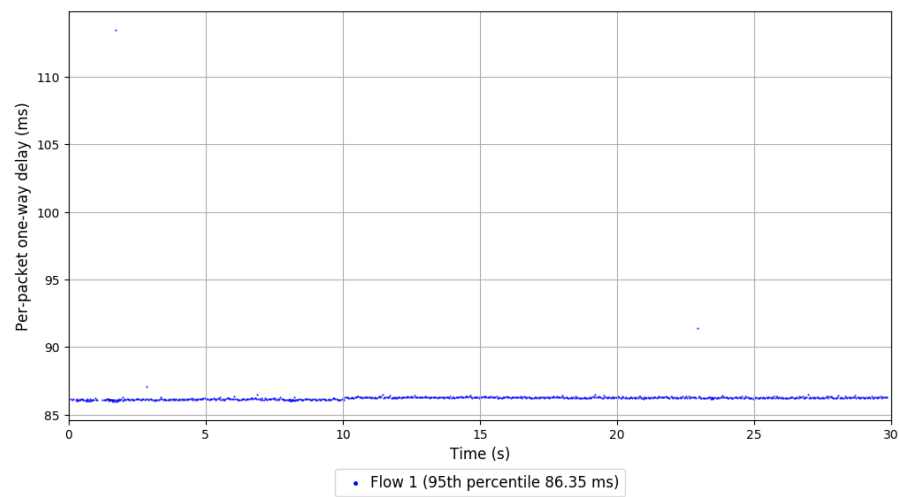
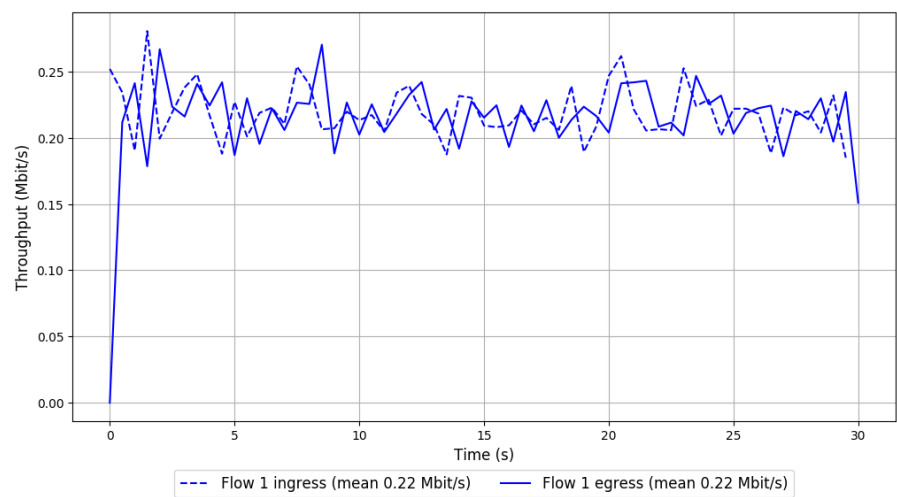


Run 2: Statistics of SCReAM

Start at: 2018-07-10 08:27:57
End at: 2018-07-10 08:28:27
Local clock offset: 0.028 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-10 12:23:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.349 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.349 ms
Loss rate: 0.51%

Run 2: Report of SReAM — Data Link

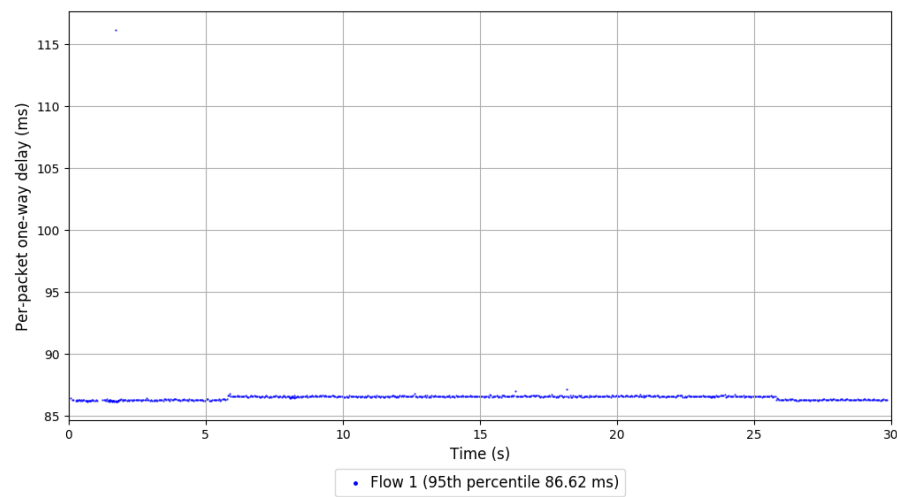
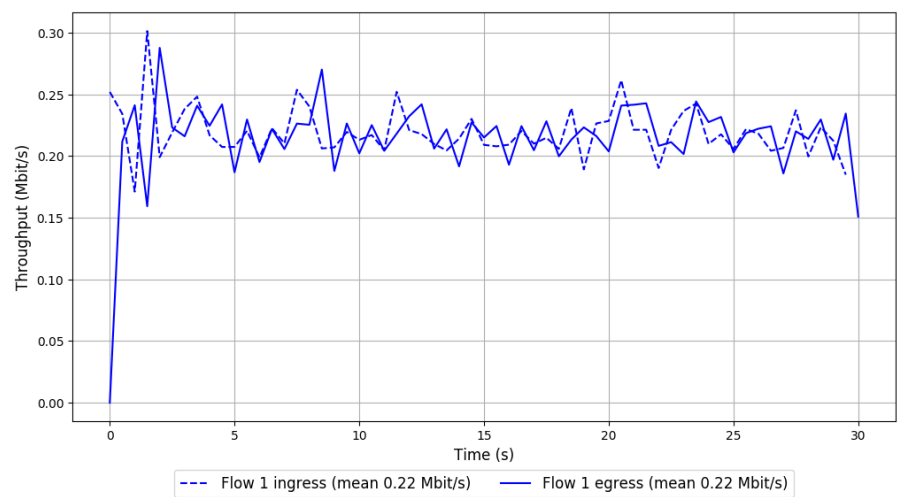


Run 3: Statistics of SCReAM

Start at: 2018-07-10 08:49:41
End at: 2018-07-10 08:50:11
Local clock offset: 0.014 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-07-10 12:23:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.616 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.616 ms
Loss rate: 0.51%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-07-10 09:11:22

End at: 2018-07-10 09:11:52

Local clock offset: 0.094 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-10 12:23:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.696 ms

Loss rate: 0.64%

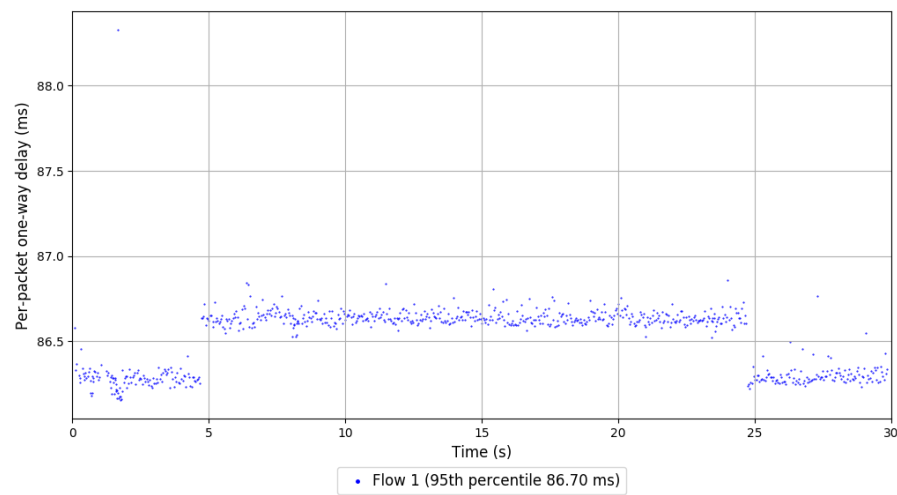
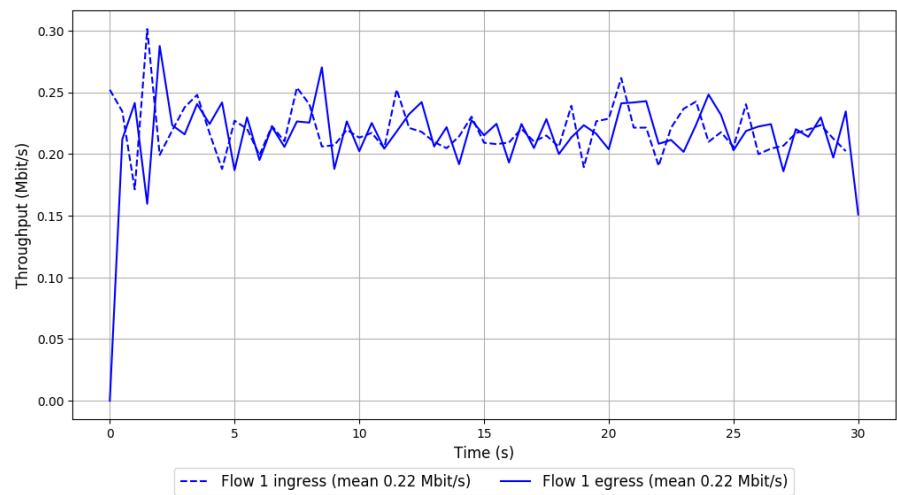
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.696 ms

Loss rate: 0.64%

Run 4: Report of SReAM — Data Link

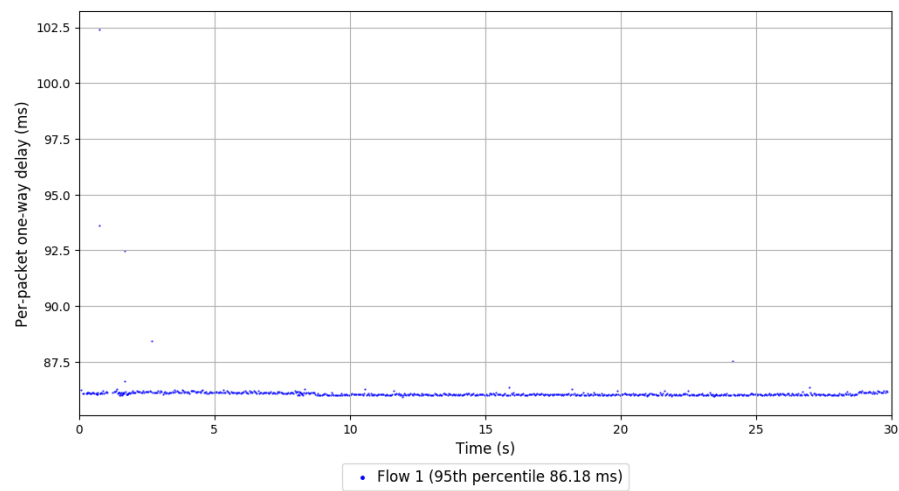
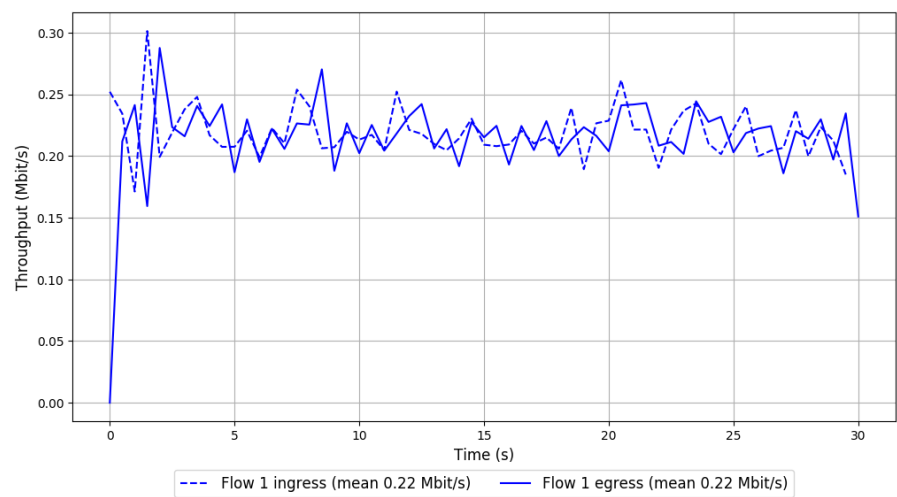


Run 5: Statistics of SCReAM

Start at: 2018-07-10 09:32:58
End at: 2018-07-10 09:33:28
Local clock offset: -0.087 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-10 12:23:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.179 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.179 ms
Loss rate: 0.51%

Run 5: Report of SReAM — Data Link

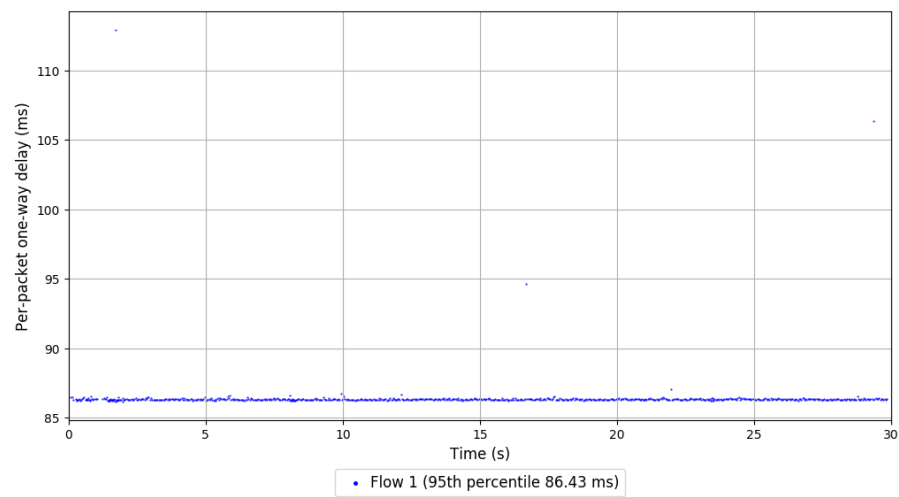
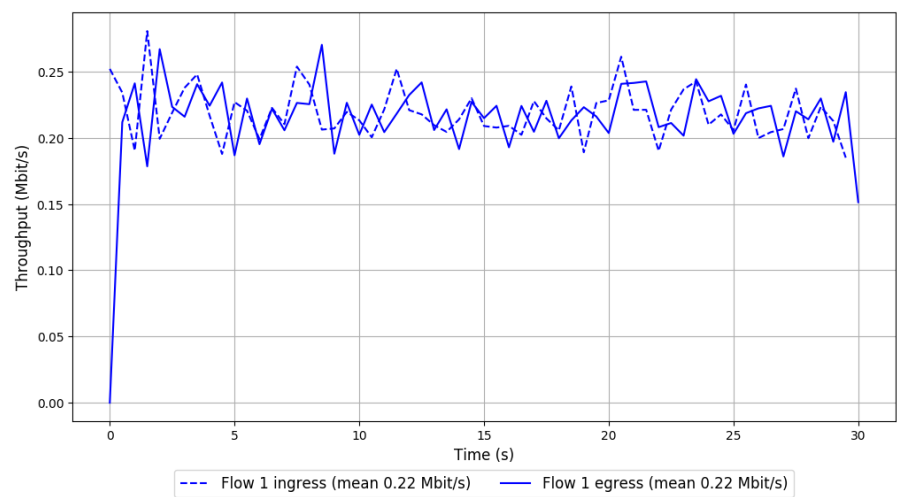


Run 6: Statistics of SCReAM

Start at: 2018-07-10 09:54:30
End at: 2018-07-10 09:55:00
Local clock offset: 0.189 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-10 12:23:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.427 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.427 ms
Loss rate: 0.51%

Run 6: Report of SReAM — Data Link

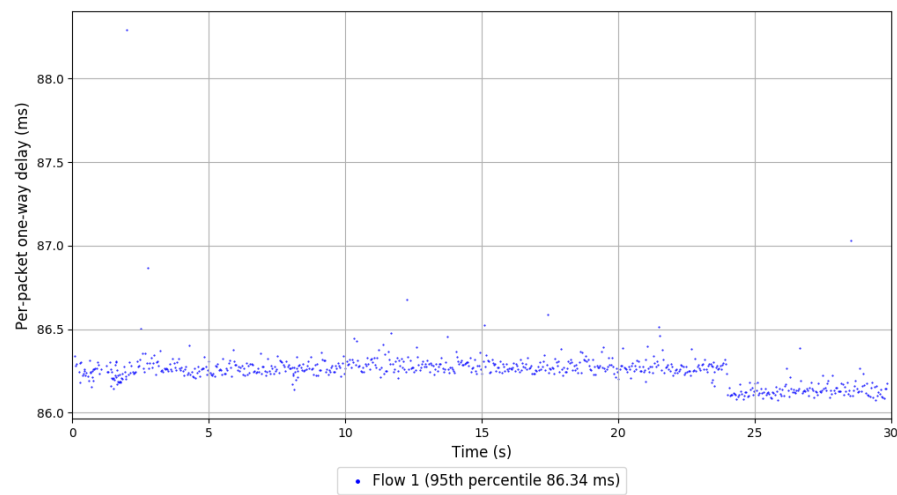
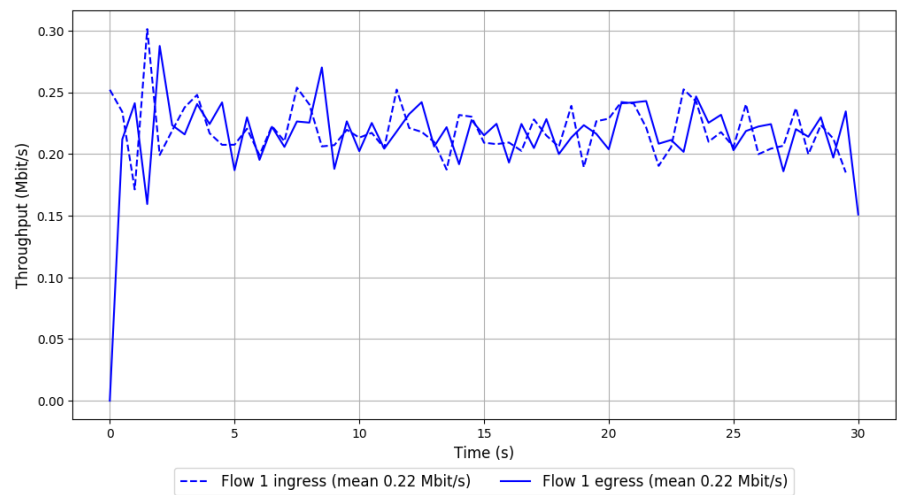


Run 7: Statistics of SCReAM

Start at: 2018-07-10 10:16:03
End at: 2018-07-10 10:16:33
Local clock offset: -0.003 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-10 12:23:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.345 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.345 ms
Loss rate: 0.51%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-07-10 10:37:27

End at: 2018-07-10 10:37:57

Local clock offset: 0.076 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-10 12:23:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.246 ms

Loss rate: 0.64%

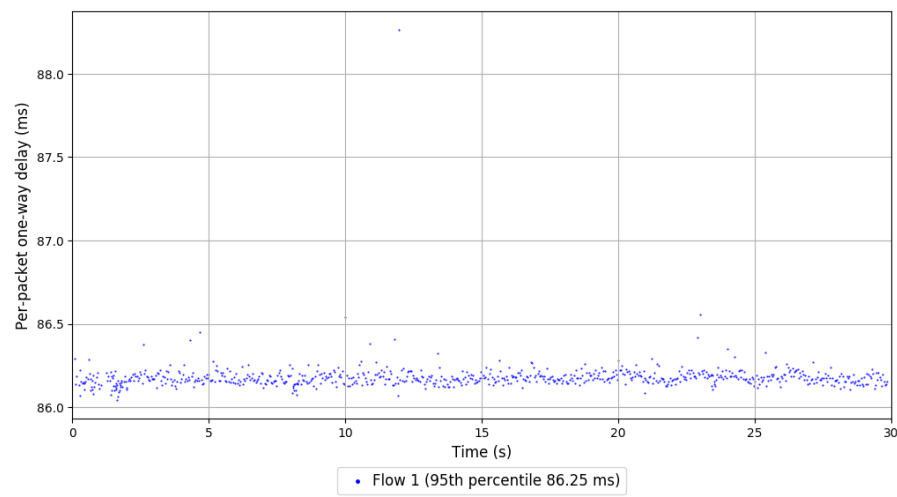
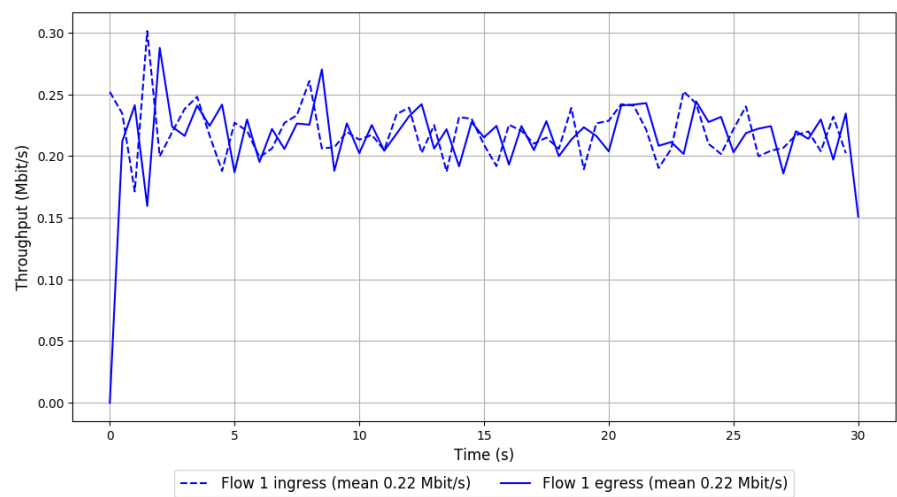
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.246 ms

Loss rate: 0.64%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

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

End at: 2018-07-10 10:59:41

Local clock offset: -0.153 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-07-10 12:23:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.082 ms

Loss rate: 0.51%

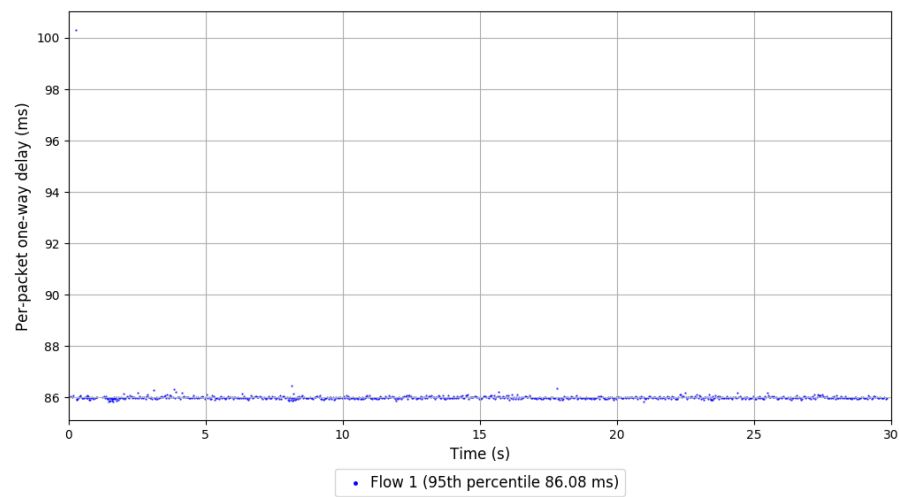
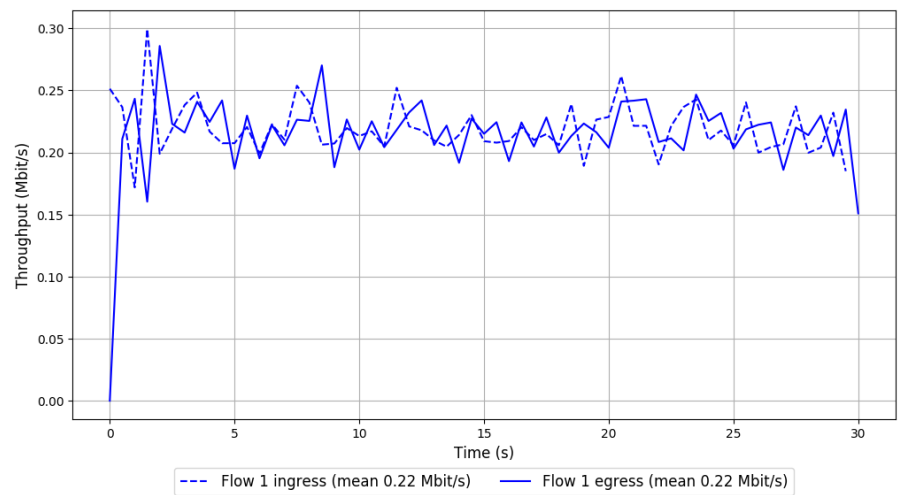
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.082 ms

Loss rate: 0.51%

Run 9: Report of SReAM — Data Link

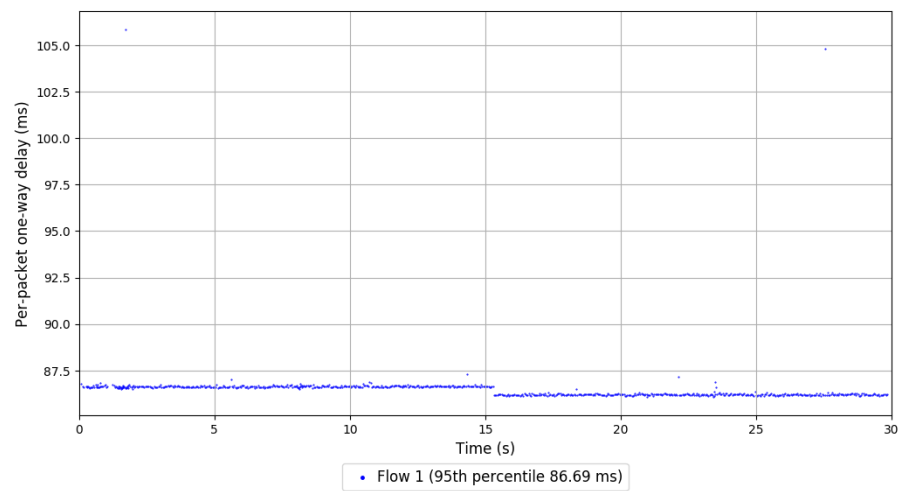
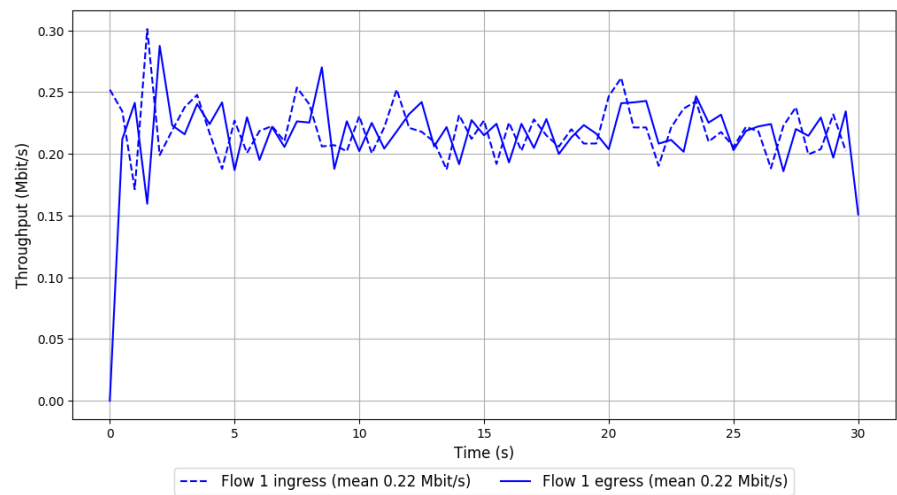


Run 10: Statistics of SCReAM

Start at: 2018-07-10 11:20:32
End at: 2018-07-10 11:21:02
Local clock offset: -0.001 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-07-10 12:23:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.695 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.695 ms
Loss rate: 0.64%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-10 08:07:49

End at: 2018-07-10 08:08:19

Local clock offset: -0.056 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-10 12:23:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 86.658 ms

Loss rate: 0.59%

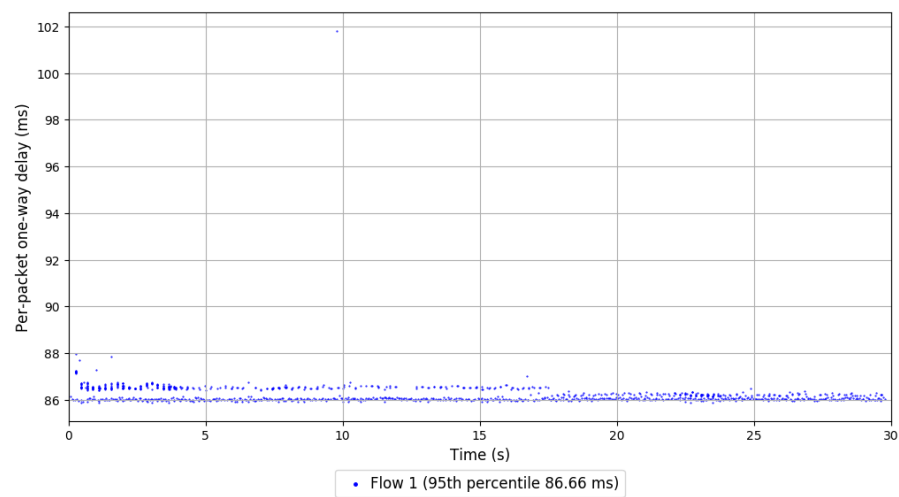
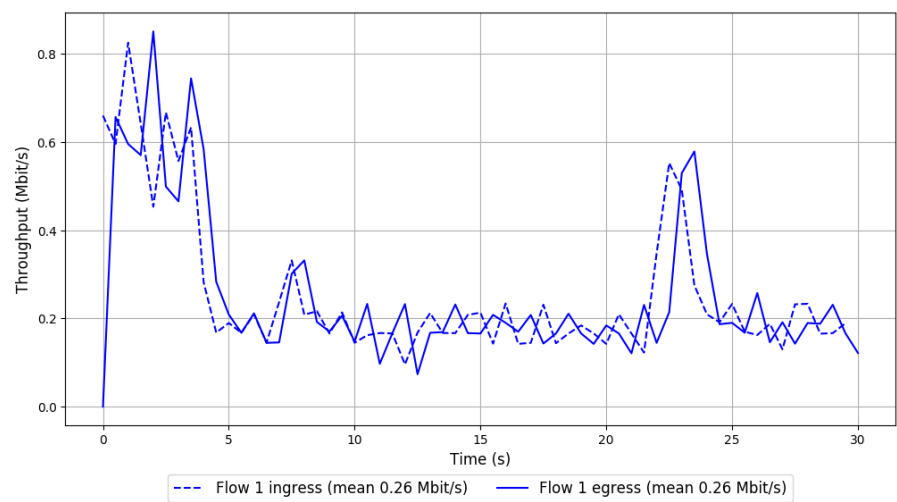
-- Flow 1:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 86.658 ms

Loss rate: 0.59%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-10 08:29:04

End at: 2018-07-10 08:29:34

Local clock offset: -0.012 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-07-10 12:23:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 86.630 ms

Loss rate: 0.60%

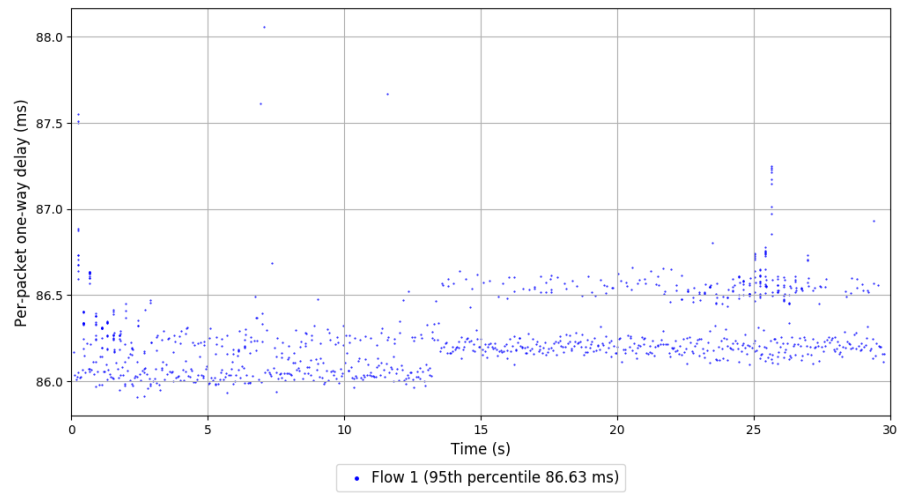
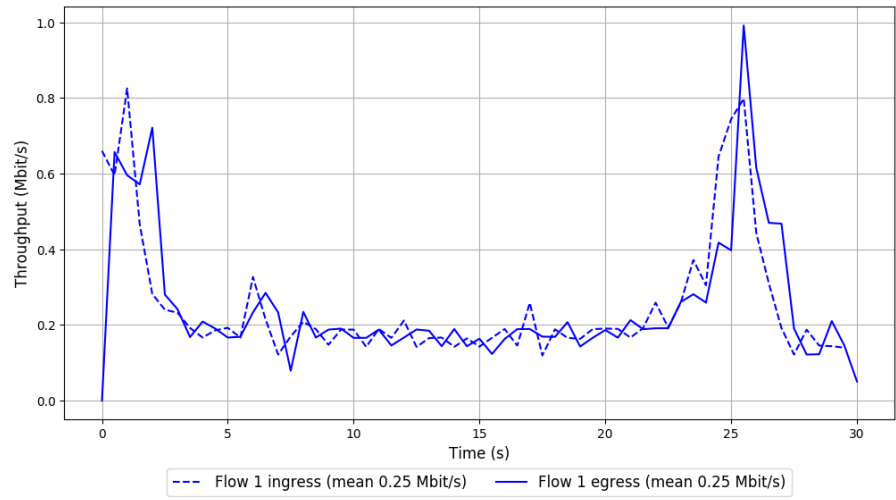
-- Flow 1:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 86.630 ms

Loss rate: 0.60%

Run 2: Report of Sprout — Data Link

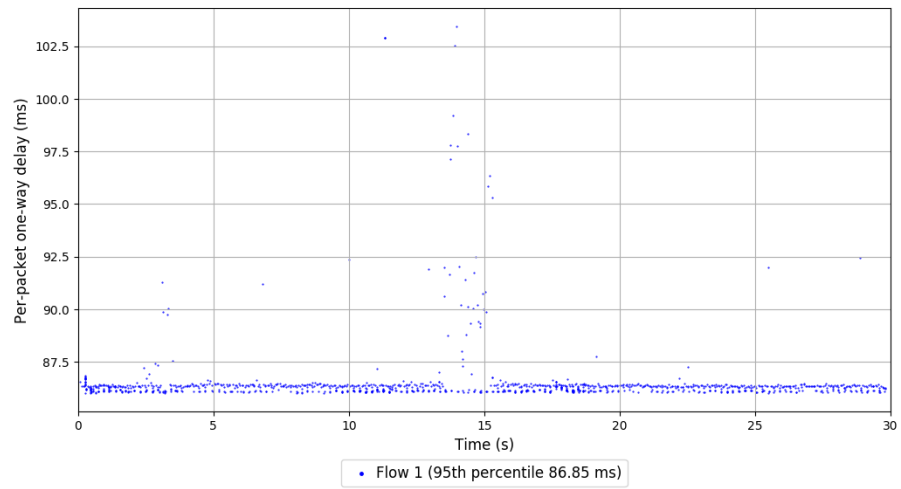
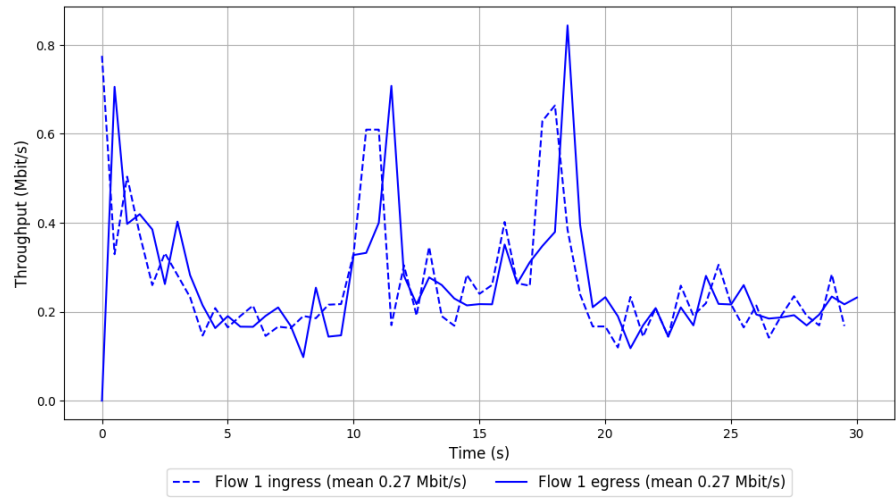


Run 3: Statistics of Sprout

Start at: 2018-07-10 08:50:48
End at: 2018-07-10 08:51:18
Local clock offset: -0.139 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-10 12:23:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.851 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.851 ms
Loss rate: 0.03%

Run 3: Report of Sprout — Data Link

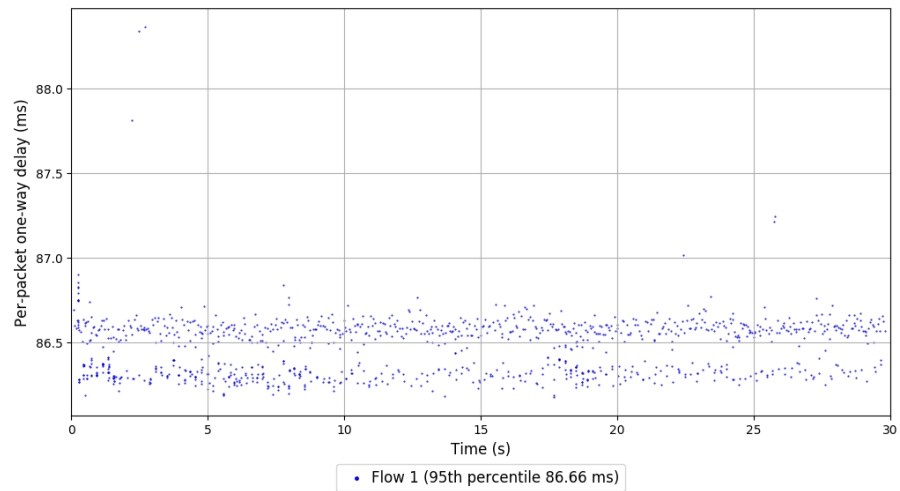
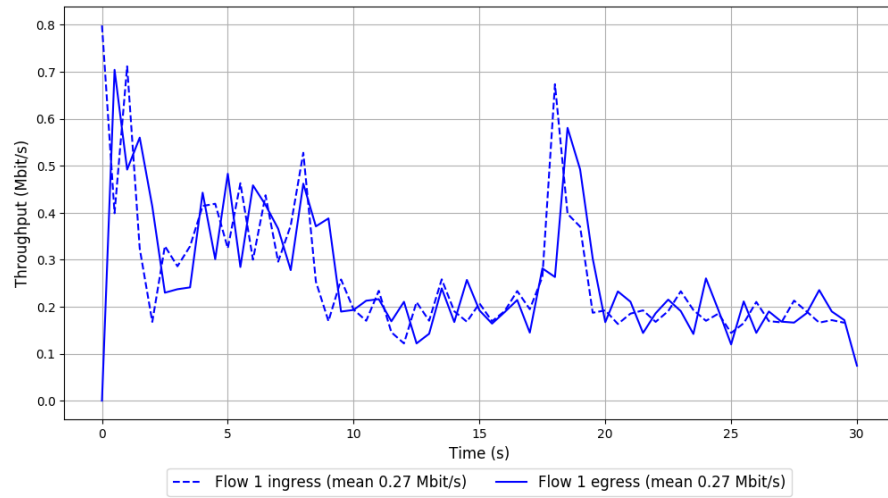


Run 4: Statistics of Sprout

Start at: 2018-07-10 09:12:29
End at: 2018-07-10 09:12:59
Local clock offset: 0.008 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-10 12:23:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.661 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.661 ms
Loss rate: 0.58%

Run 4: Report of Sprout — Data Link

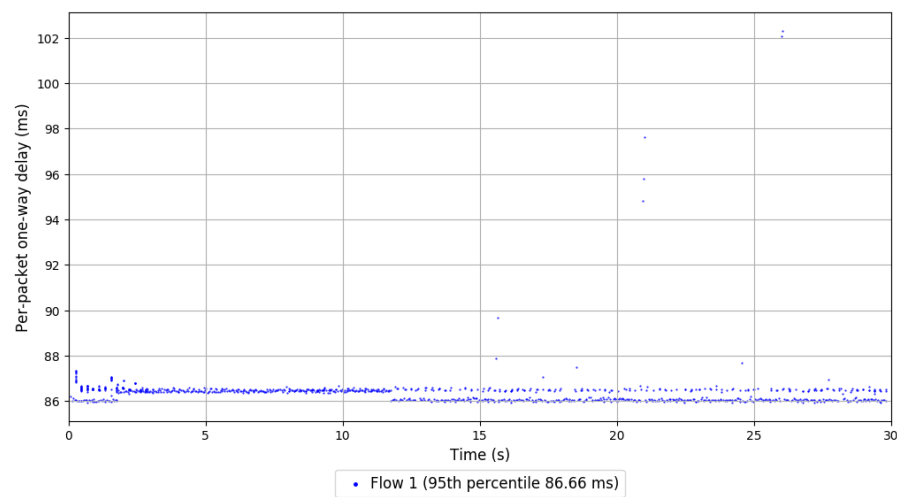
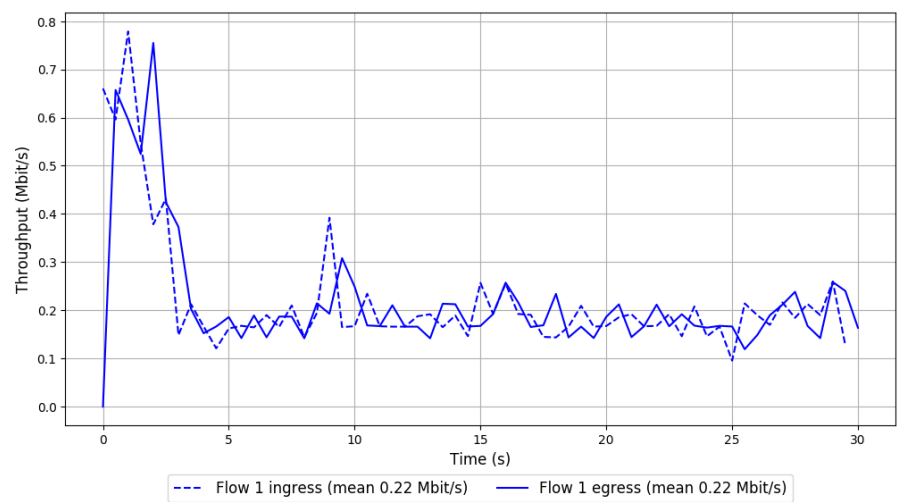


Run 5: Statistics of Sprout

Start at: 2018-07-10 09:34:05
End at: 2018-07-10 09:34:35
Local clock offset: -0.07 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-10 12:23:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.657 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.657 ms
Loss rate: 0.04%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-10 09:55:37

End at: 2018-07-10 09:56:07

Local clock offset: 0.141 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-10 12:23:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 86.858 ms

Loss rate: 0.44%

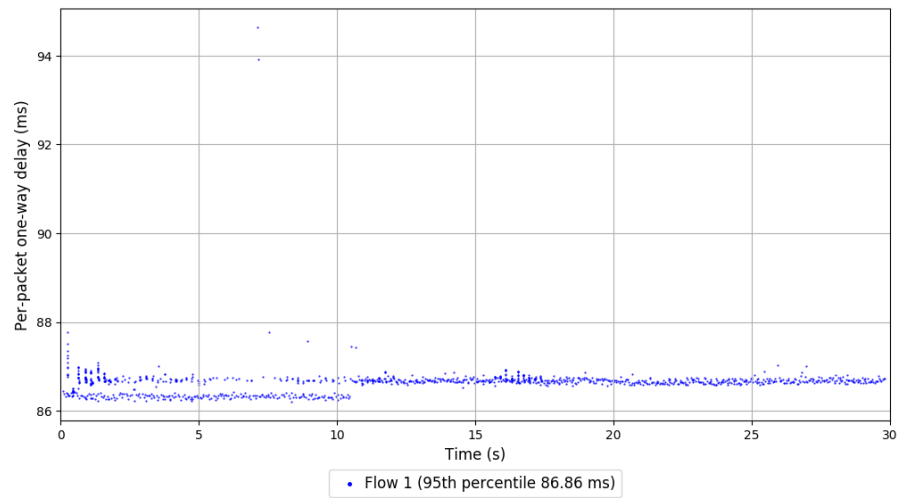
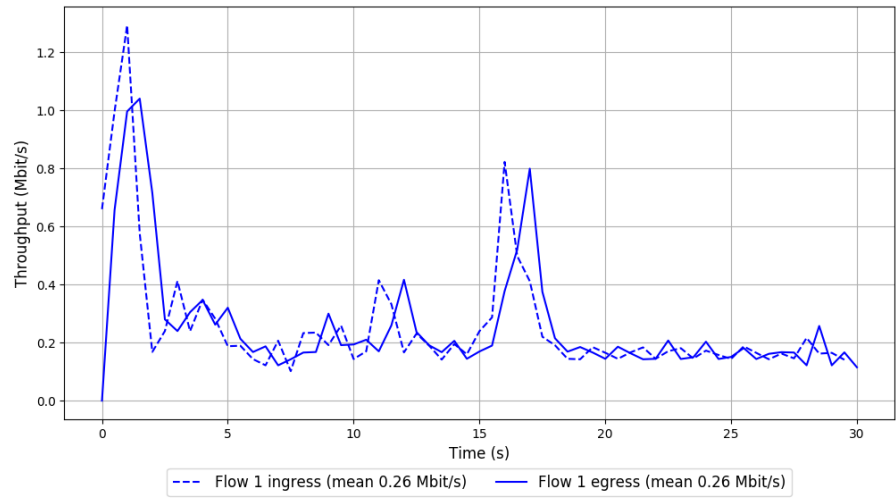
-- Flow 1:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 86.858 ms

Loss rate: 0.44%

Run 6: Report of Sprout — Data Link

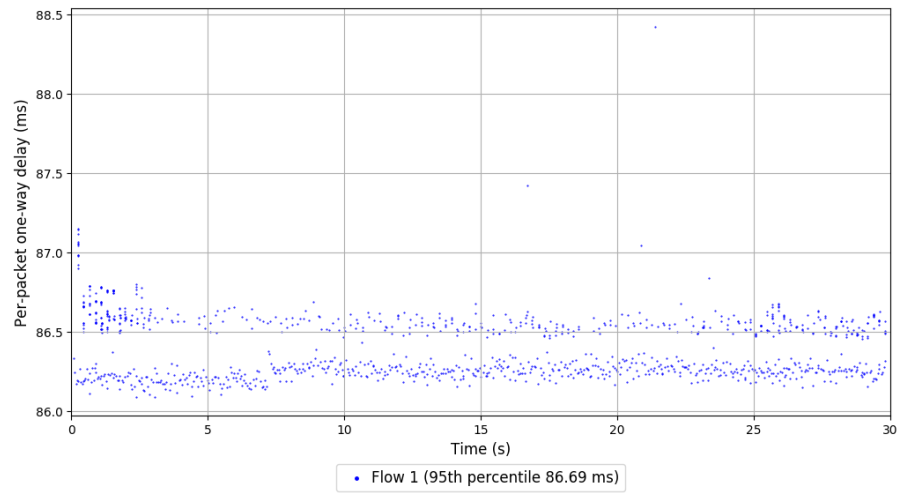
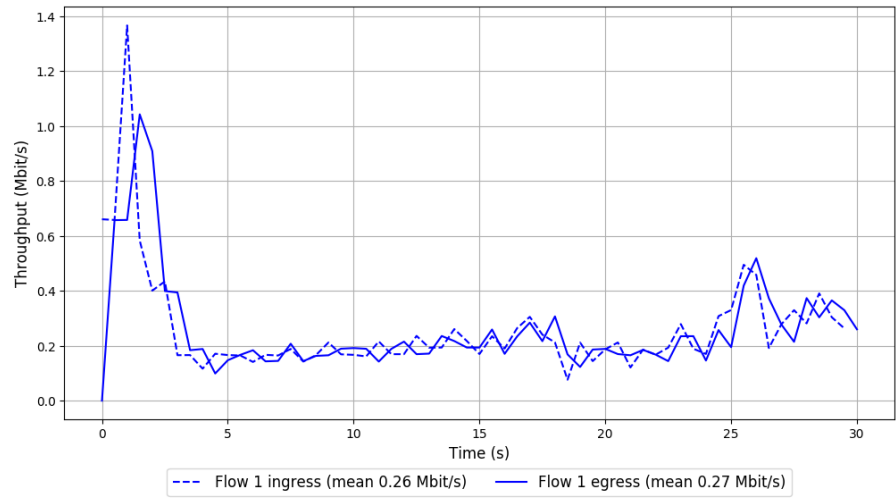


Run 7: Statistics of Sprout

Start at: 2018-07-10 10:17:10
End at: 2018-07-10 10:17:40
Local clock offset: 0.021 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-10 12:23:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.688 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.688 ms
Loss rate: 0.03%

Run 7: Report of Sprout — Data Link

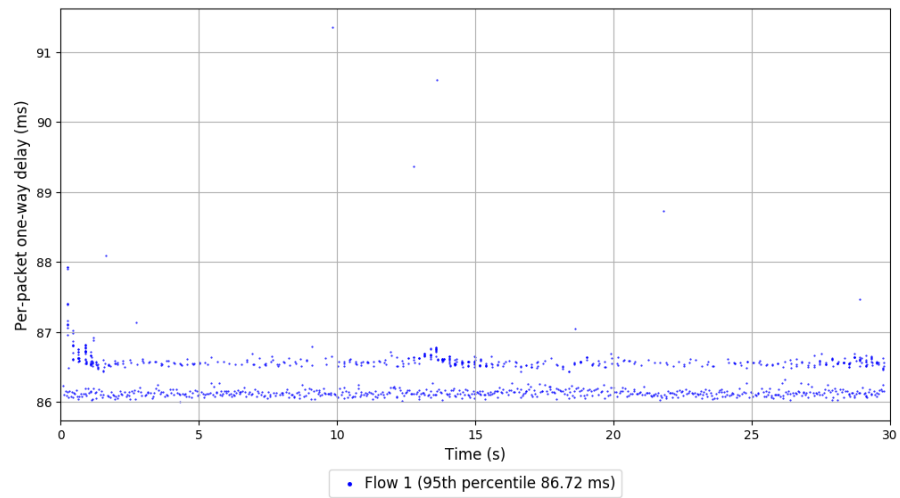
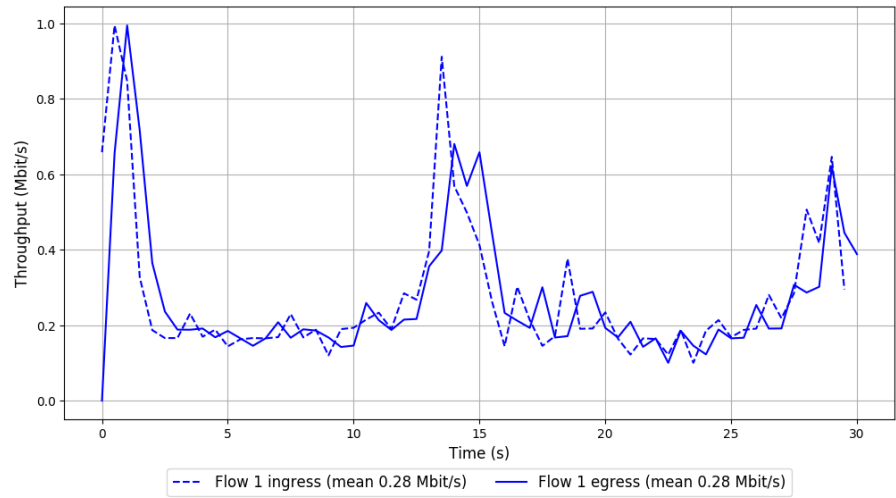


Run 8: Statistics of Sprout

Start at: 2018-07-10 10:38:34
End at: 2018-07-10 10:39:04
Local clock offset: 0.034 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-10 12:23:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.718 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.718 ms
Loss rate: 0.67%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-07-10 11:00:18

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

Local clock offset: 0.016 ms

Remote clock offset: 0.052 ms

Below is generated by plot.py at 2018-07-10 12:23:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 86.661 ms

Loss rate: 0.32%

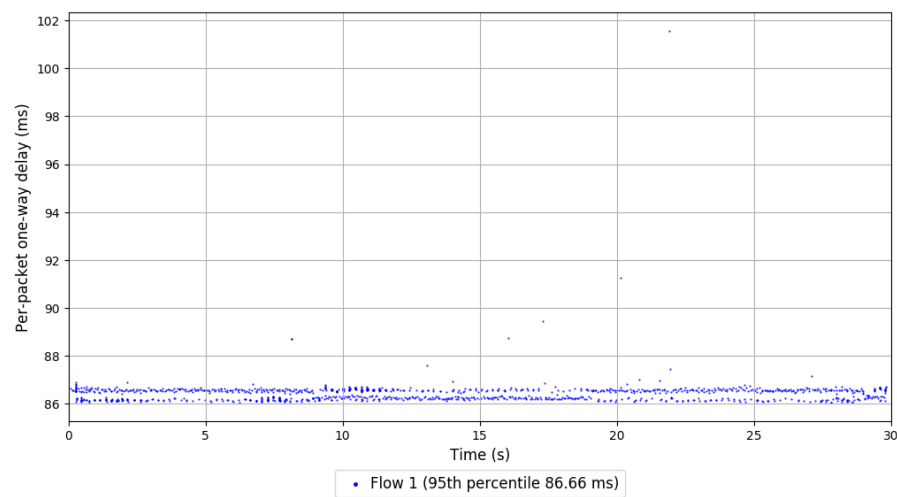
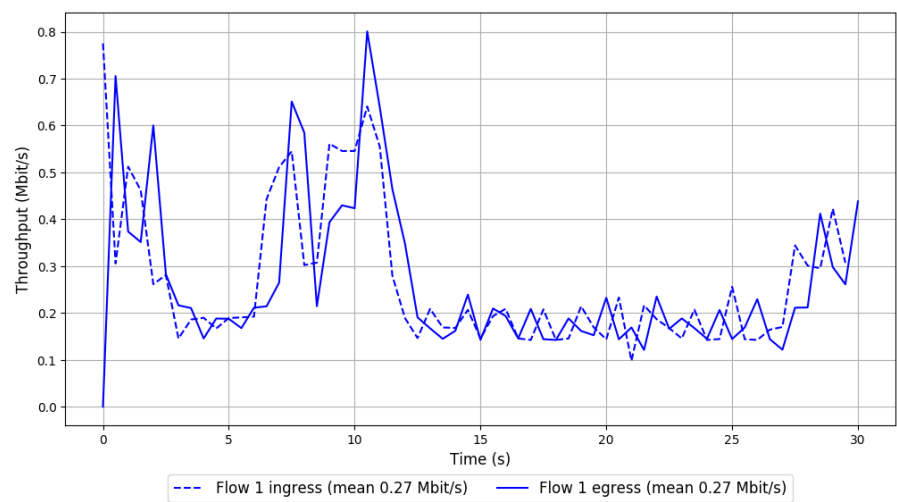
-- Flow 1:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 86.661 ms

Loss rate: 0.32%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-10 11:21:38

End at: 2018-07-10 11:22:08

Local clock offset: -0.115 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-10 12:23:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 86.493 ms

Loss rate: 1.31%

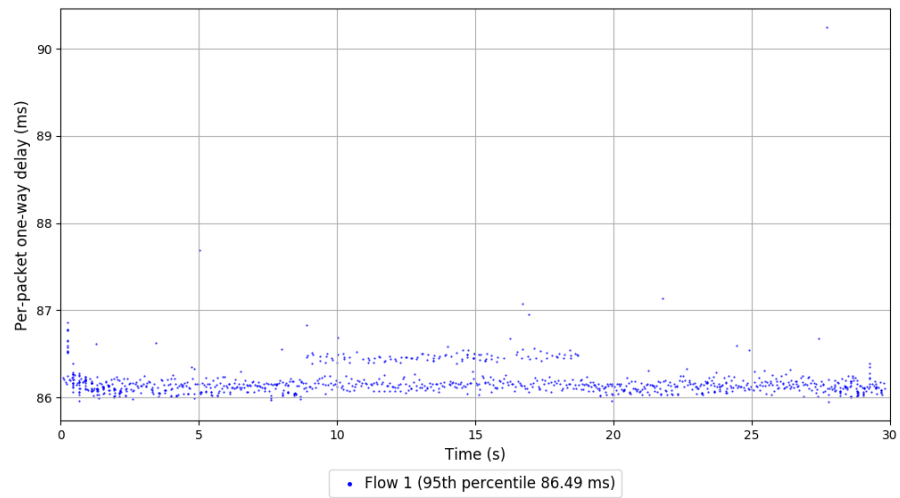
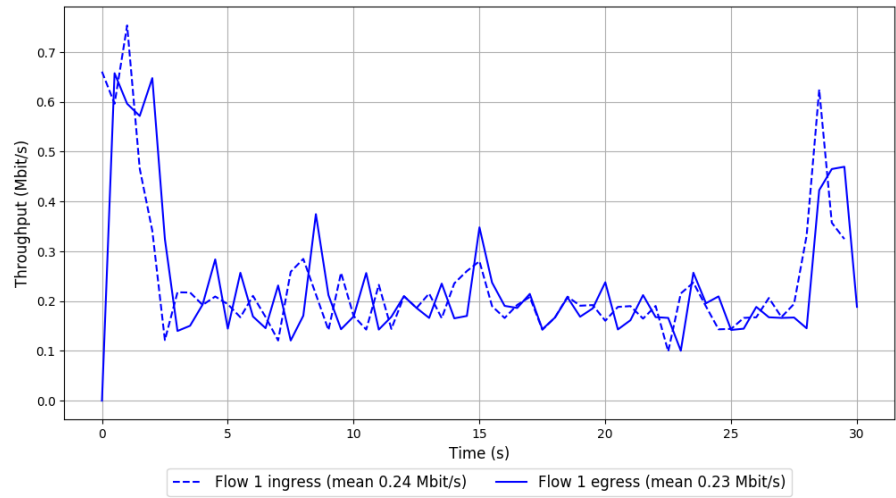
-- Flow 1:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 86.493 ms

Loss rate: 1.31%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-07-10 08:05:18

End at: 2018-07-10 08:05:48

Local clock offset: -0.031 ms

Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-07-10 12:26:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.69 Mbit/s

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

Loss rate: 0.04%

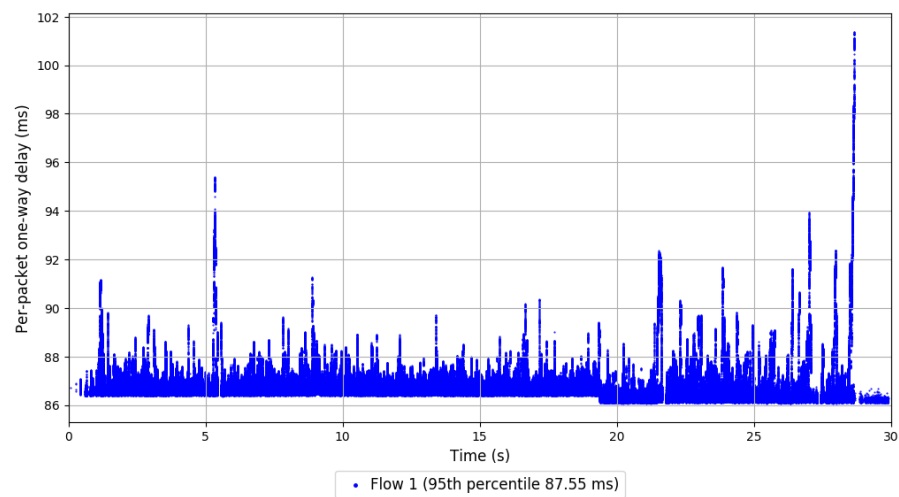
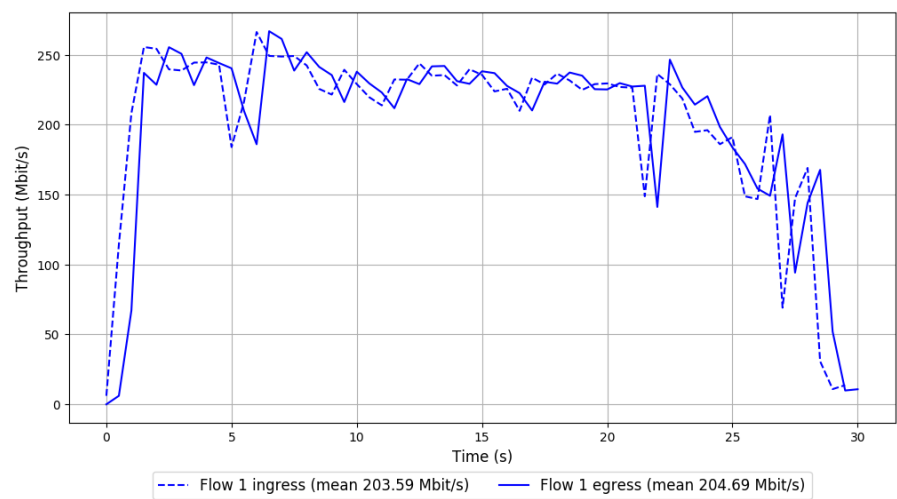
-- Flow 1:

Average throughput: 204.69 Mbit/s

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

Loss rate: 0.04%

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

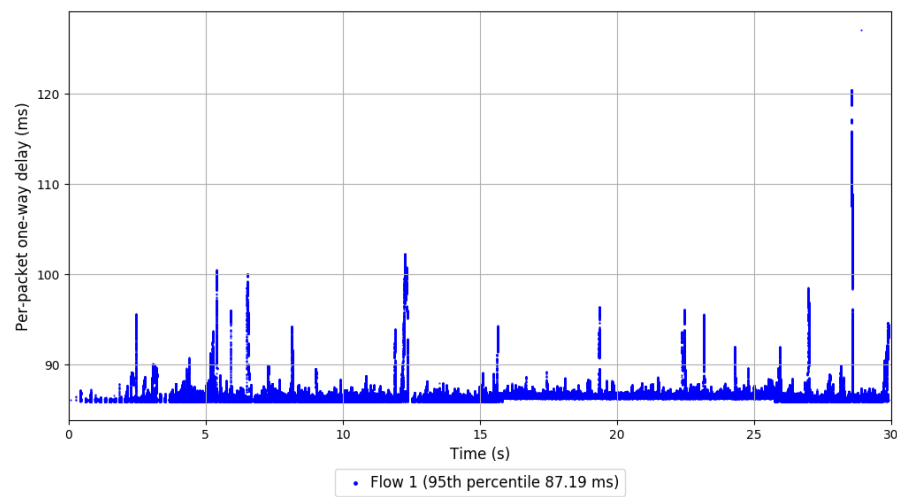
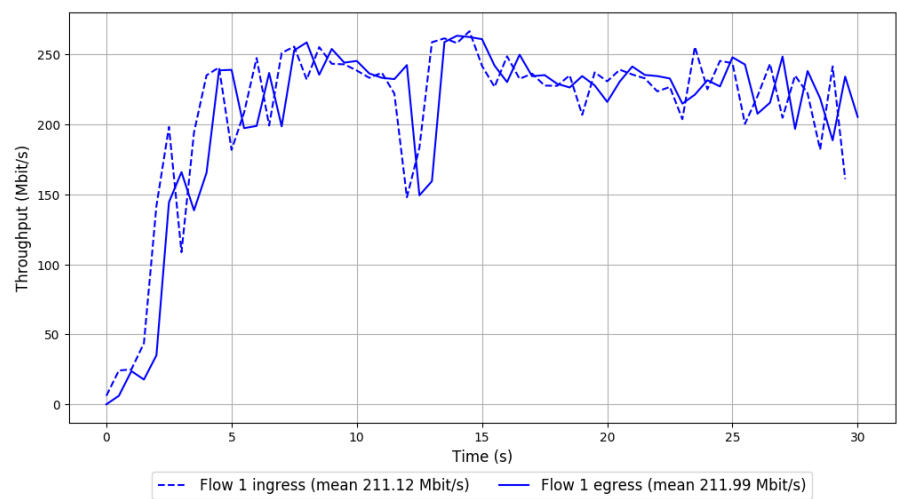


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-10 08:26:31
End at: 2018-07-10 08:27:01
Local clock offset: -0.145 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-10 12:26:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.99 Mbit/s
95th percentile per-packet one-way delay: 87.189 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 211.99 Mbit/s
95th percentile per-packet one-way delay: 87.189 ms
Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-10 08:48:15

End at: 2018-07-10 08:48:45

Local clock offset: 0.023 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-10 12:26:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.70 Mbit/s

95th percentile per-packet one-way delay: 86.999 ms

Loss rate: 0.65%

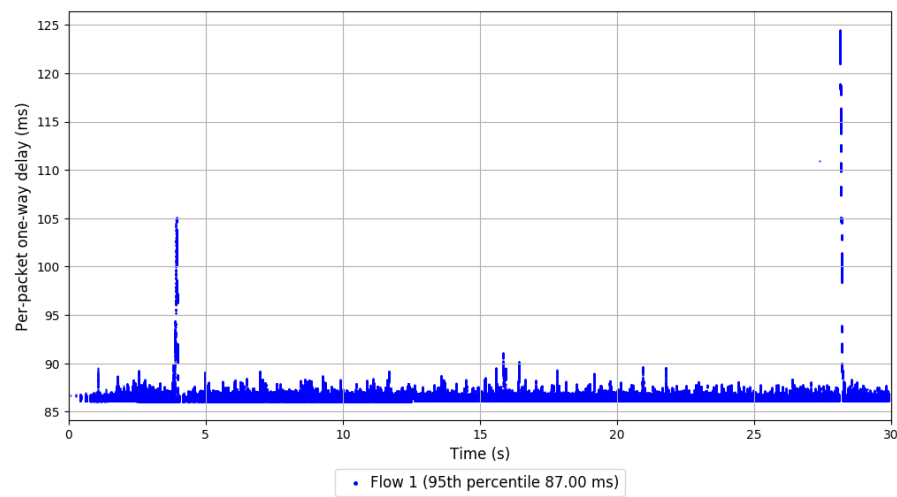
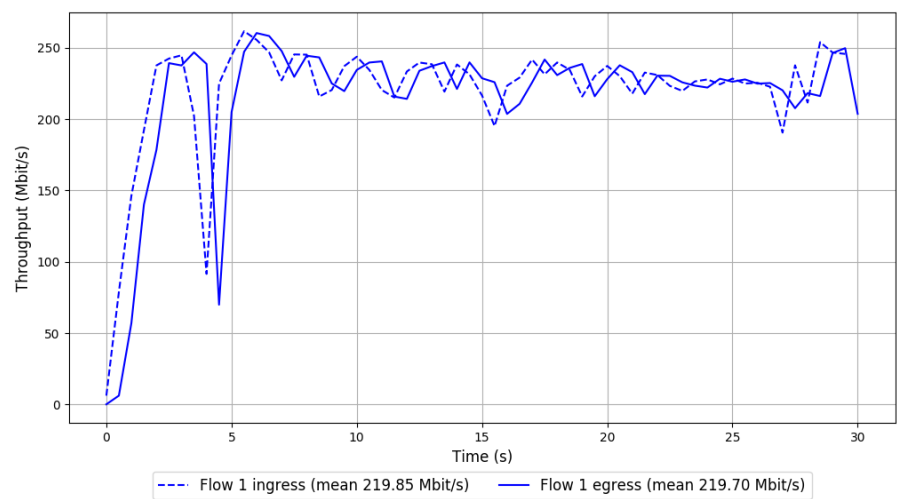
-- Flow 1:

Average throughput: 219.70 Mbit/s

95th percentile per-packet one-way delay: 86.999 ms

Loss rate: 0.65%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-10 09:10:03

End at: 2018-07-10 09:10:33

Local clock offset: 0.006 ms

Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-07-10 12:26:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 140.71 Mbit/s

95th percentile per-packet one-way delay: 88.653 ms

Loss rate: 0.63%

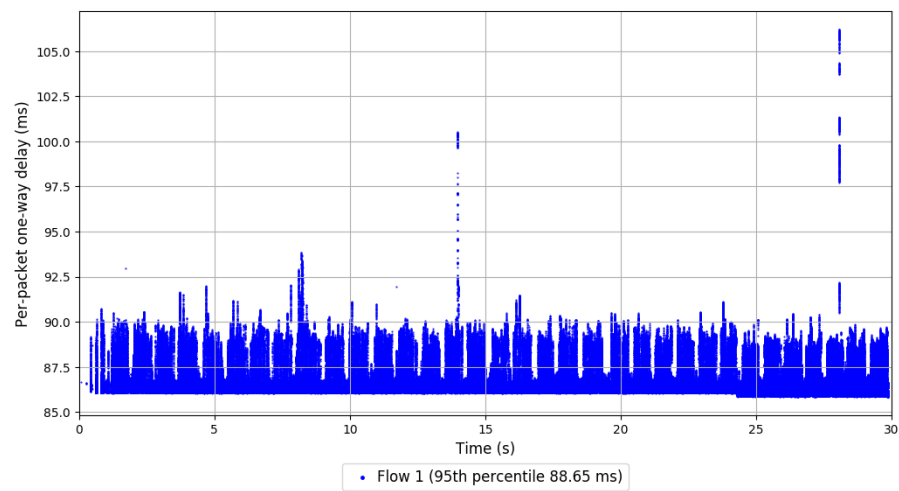
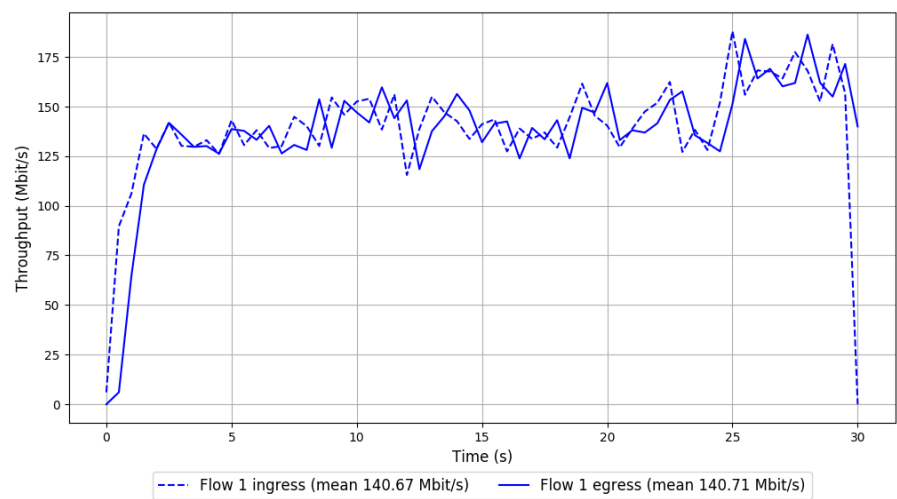
-- Flow 1:

Average throughput: 140.71 Mbit/s

95th percentile per-packet one-way delay: 88.653 ms

Loss rate: 0.63%

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

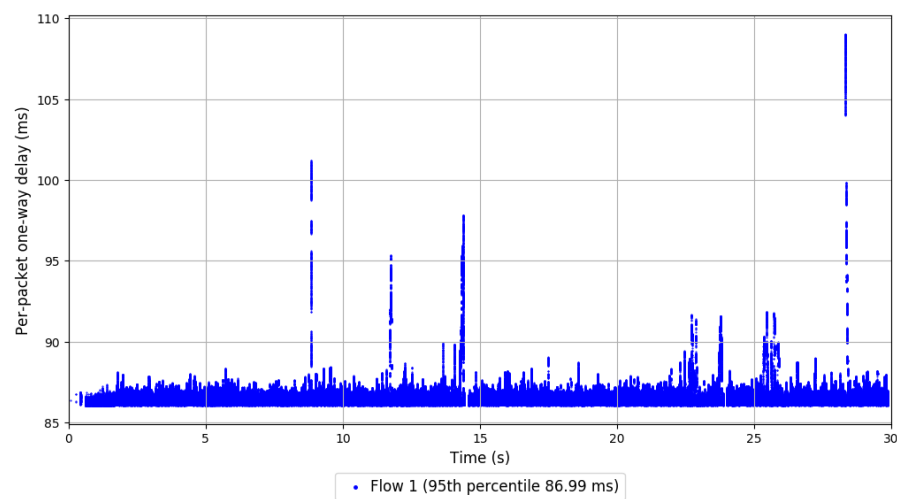
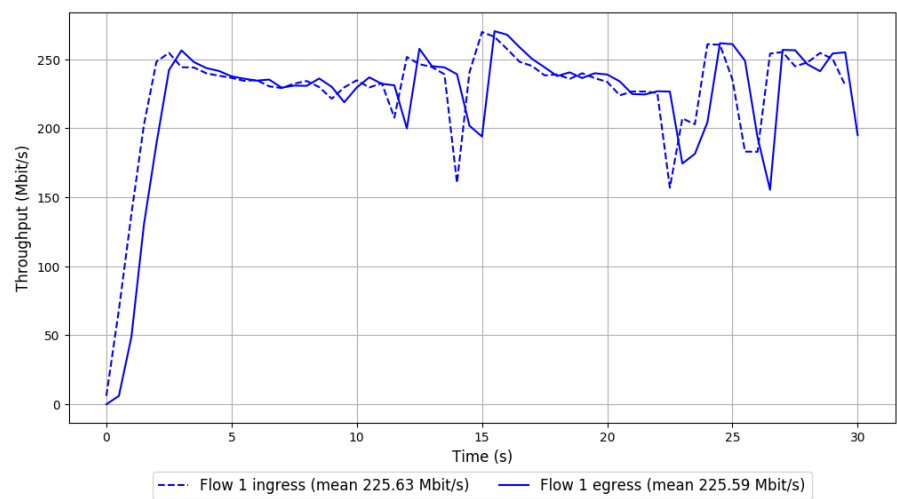


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-10 09:31:31
End at: 2018-07-10 09:32:01
Local clock offset: 0.025 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-10 12:27:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 225.59 Mbit/s
95th percentile per-packet one-way delay: 86.987 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 225.59 Mbit/s
95th percentile per-packet one-way delay: 86.987 ms
Loss rate: 0.59%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-10 09:53:13

End at: 2018-07-10 09:53:43

Local clock offset: 0.279 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-10 12:27:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.62 Mbit/s

95th percentile per-packet one-way delay: 87.243 ms

Loss rate: 0.12%

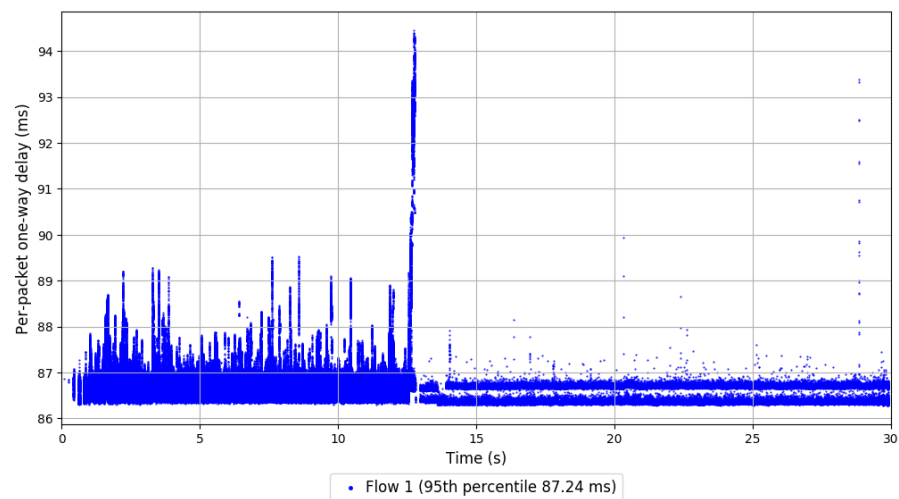
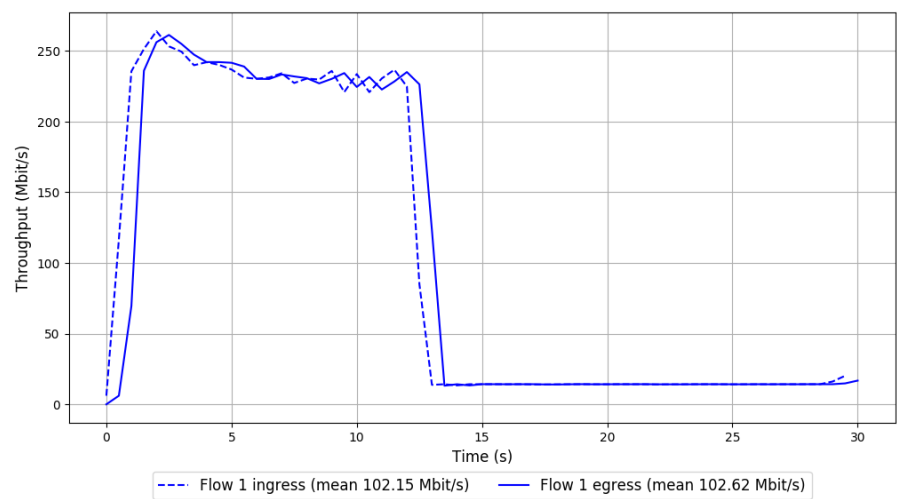
-- Flow 1:

Average throughput: 102.62 Mbit/s

95th percentile per-packet one-way delay: 87.243 ms

Loss rate: 0.12%

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

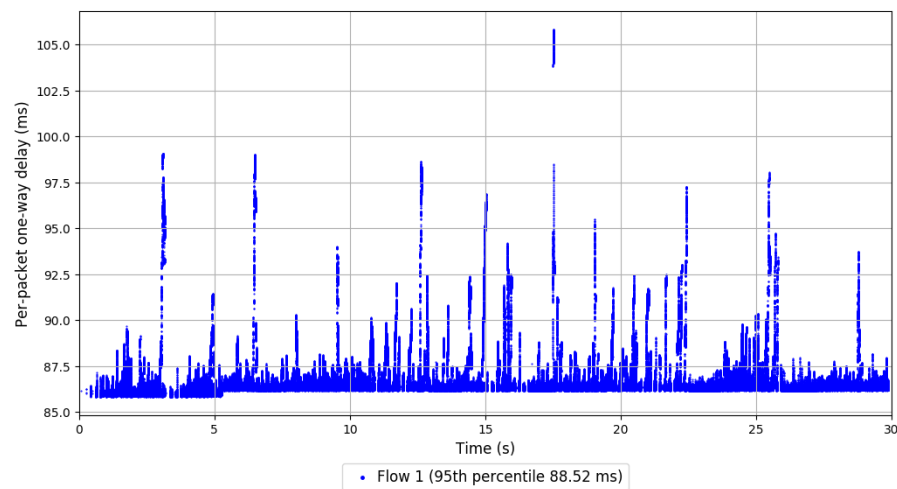
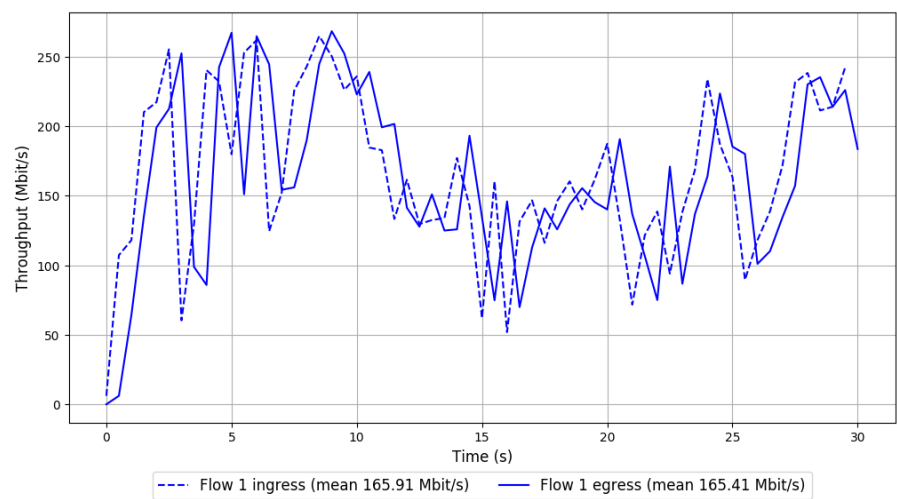


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-10 10:14:42
End at: 2018-07-10 10:15:12
Local clock offset: -0.161 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-07-10 12:28:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 165.41 Mbit/s
95th percentile per-packet one-way delay: 88.521 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 165.41 Mbit/s
95th percentile per-packet one-way delay: 88.521 ms
Loss rate: 0.88%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-10 10:36:00

End at: 2018-07-10 10:36:30

Local clock offset: -0.113 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-07-10 12:31:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.87 Mbit/s

95th percentile per-packet one-way delay: 86.813 ms

Loss rate: 0.63%

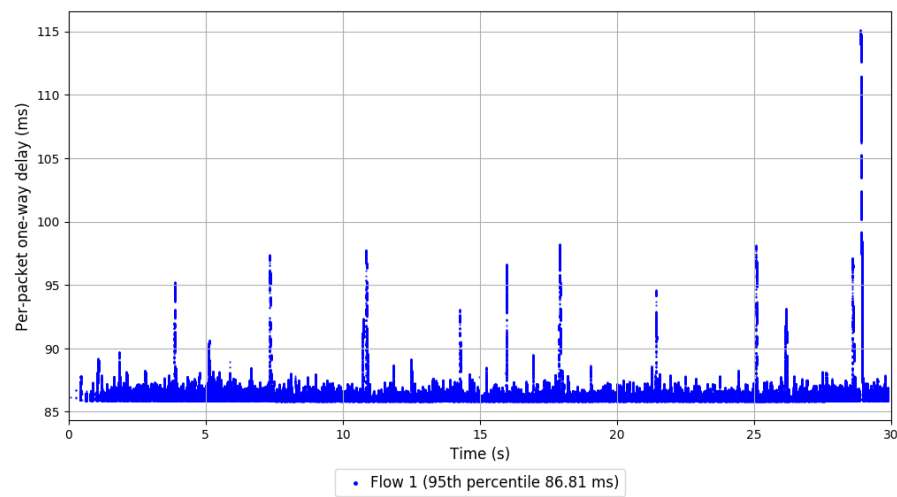
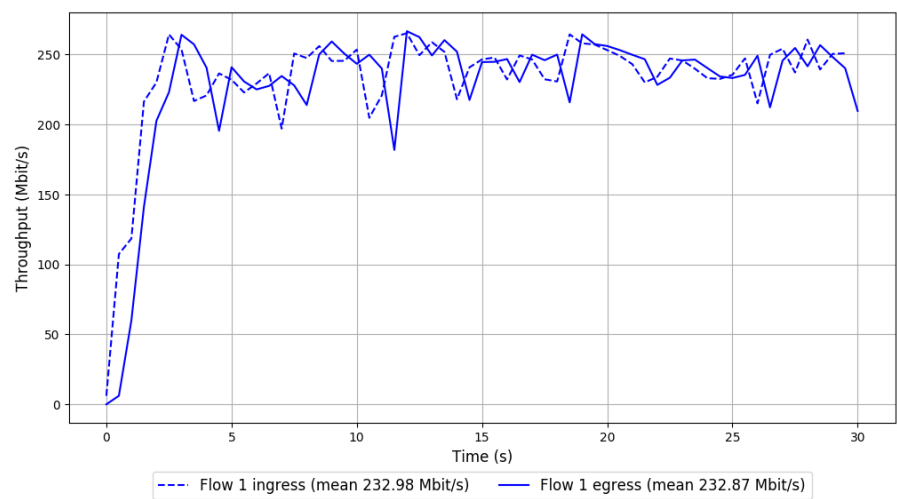
-- Flow 1:

Average throughput: 232.87 Mbit/s

95th percentile per-packet one-way delay: 86.813 ms

Loss rate: 0.63%

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



Run 9: Statistics of TaoVA-100x

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

End at: 2018-07-10 10:58:14

Local clock offset: 0.165 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-07-10 12:31:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.77 Mbit/s

95th percentile per-packet one-way delay: 87.085 ms

Loss rate: 0.64%

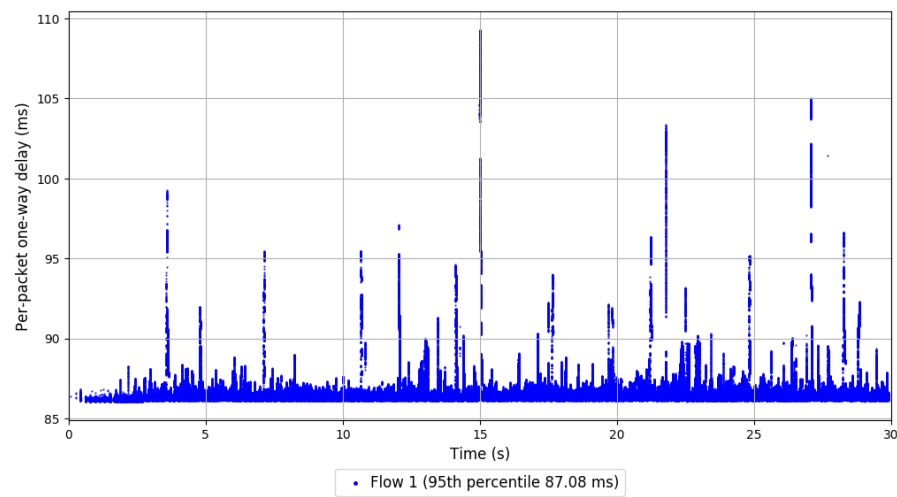
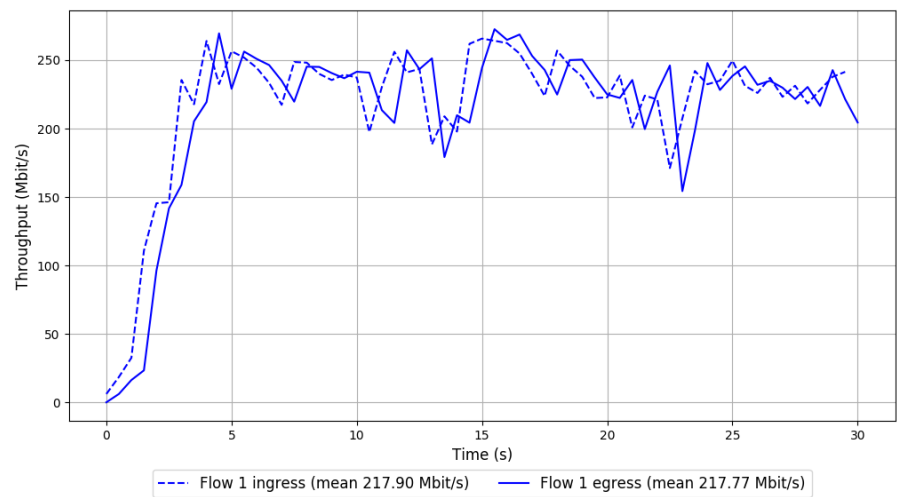
-- Flow 1:

Average throughput: 217.77 Mbit/s

95th percentile per-packet one-way delay: 87.085 ms

Loss rate: 0.64%

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

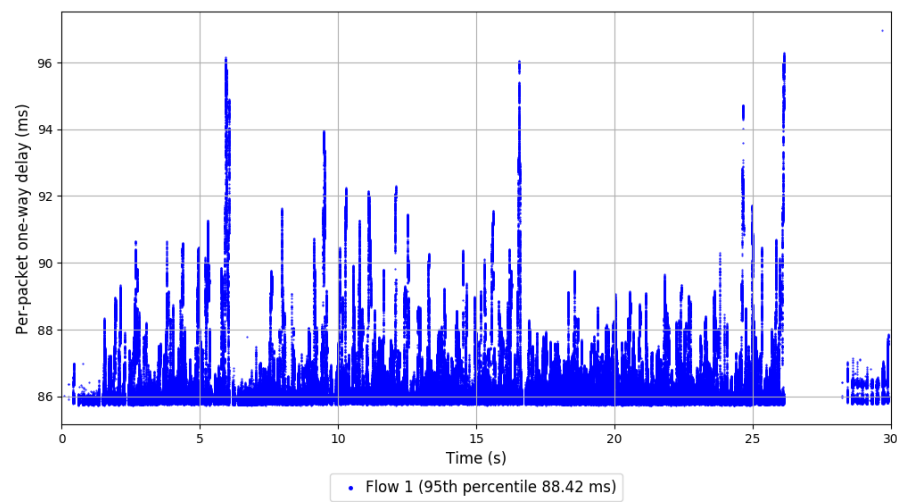
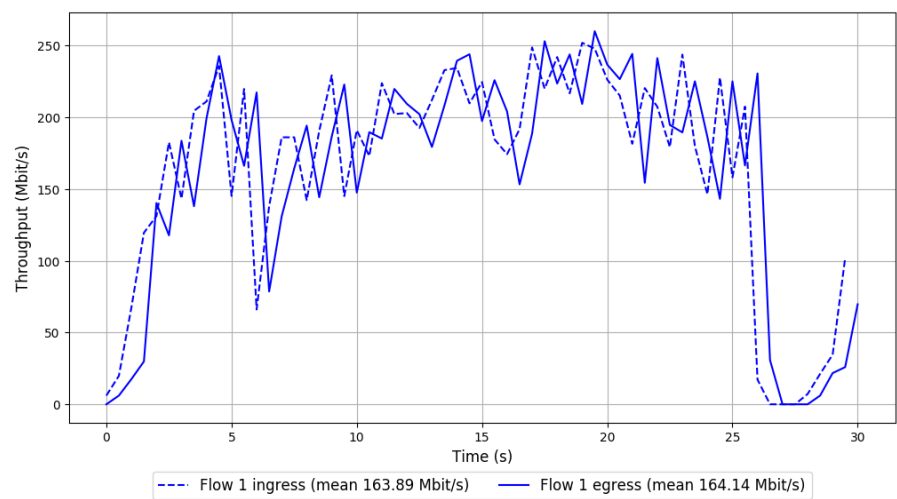


Run 10: Statistics of TaoVA-100x

Start at: 2018-07-10 11:19:11
End at: 2018-07-10 11:19:41
Local clock offset: -0.172 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-10 12:31:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 164.14 Mbit/s
95th percentile per-packet one-way delay: 88.420 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 164.14 Mbit/s
95th percentile per-packet one-way delay: 88.420 ms
Loss rate: 0.42%

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

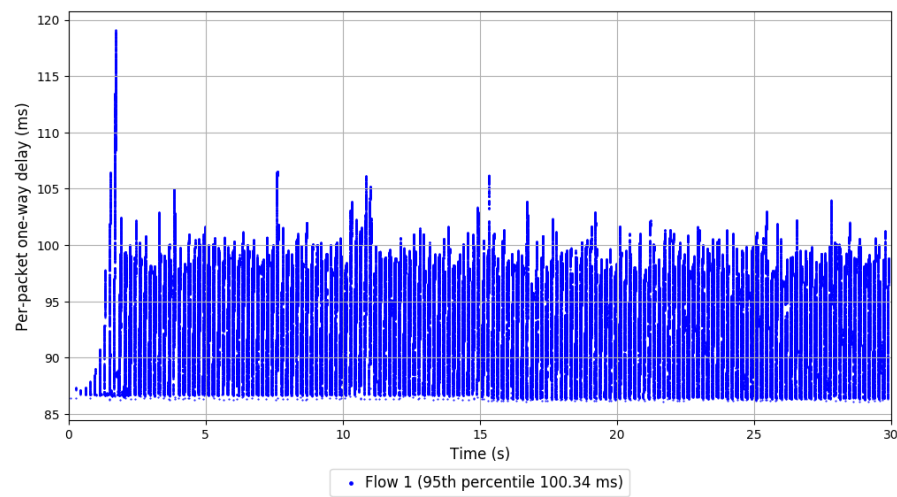
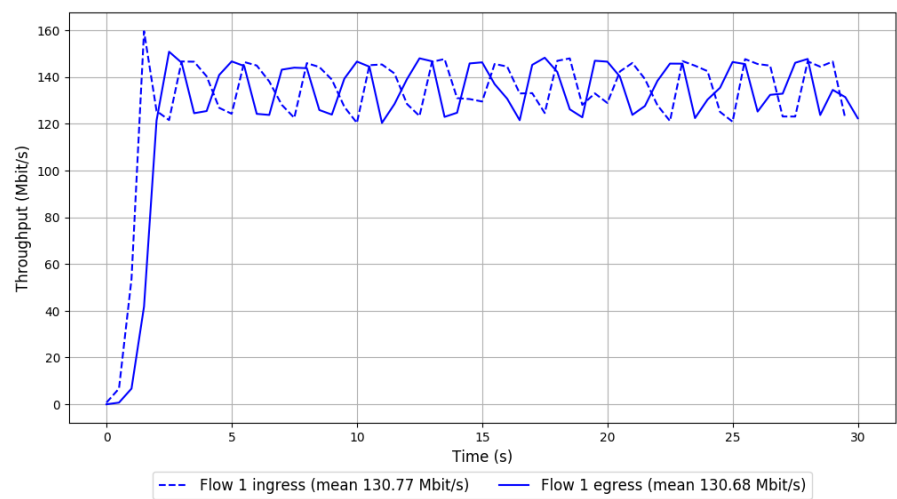


Run 1: Statistics of TCP Vegas

Start at: 2018-07-10 08:01:42
End at: 2018-07-10 08:02:12
Local clock offset: 0.064 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-10 12:31:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 130.68 Mbit/s
95th percentile per-packet one-way delay: 100.337 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 130.68 Mbit/s
95th percentile per-packet one-way delay: 100.337 ms
Loss rate: 0.61%

Run 1: Report of TCP Vegas — Data Link

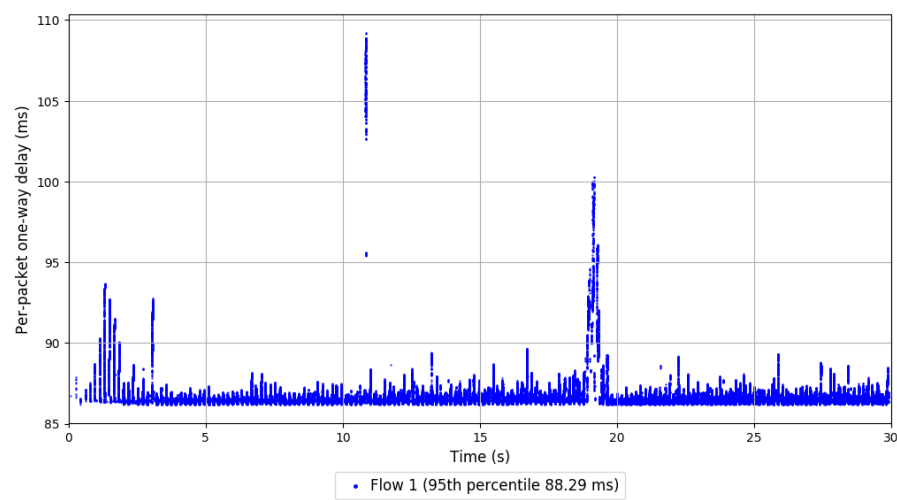
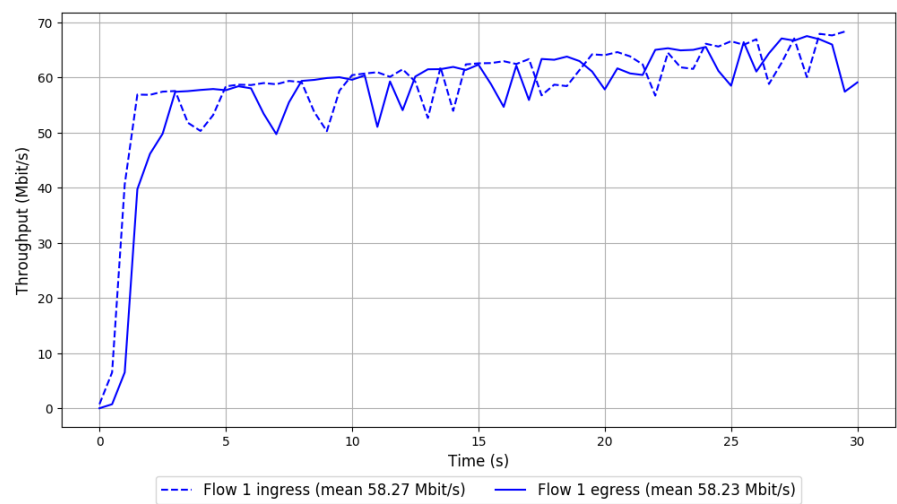


Run 2: Statistics of TCP Vegas

Start at: 2018-07-10 08:22:49
End at: 2018-07-10 08:23:19
Local clock offset: 0.087 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-10 12:31:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.23 Mbit/s
95th percentile per-packet one-way delay: 88.287 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 58.23 Mbit/s
95th percentile per-packet one-way delay: 88.287 ms
Loss rate: 0.65%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-10 08:44:25

End at: 2018-07-10 08:44:55

Local clock offset: -0.134 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-07-10 12:31:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 130.33 Mbit/s

95th percentile per-packet one-way delay: 99.445 ms

Loss rate: 0.63%

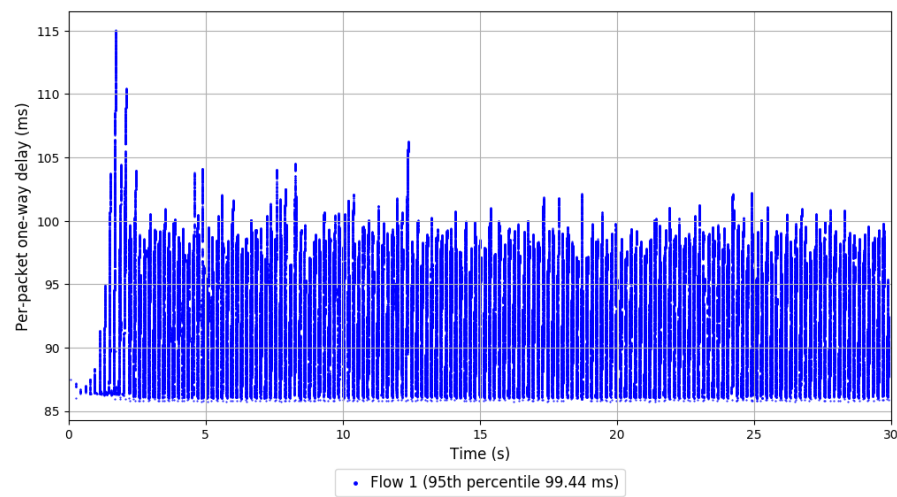
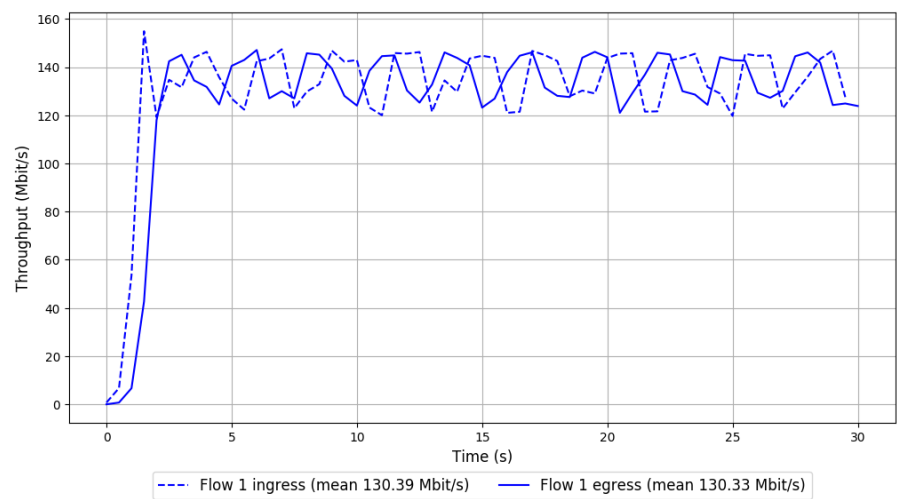
-- Flow 1:

Average throughput: 130.33 Mbit/s

95th percentile per-packet one-way delay: 99.445 ms

Loss rate: 0.63%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-10 09:06:12

End at: 2018-07-10 09:06:42

Local clock offset: 0.17 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-07-10 12:31:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.81 Mbit/s

95th percentile per-packet one-way delay: 98.757 ms

Loss rate: 0.61%

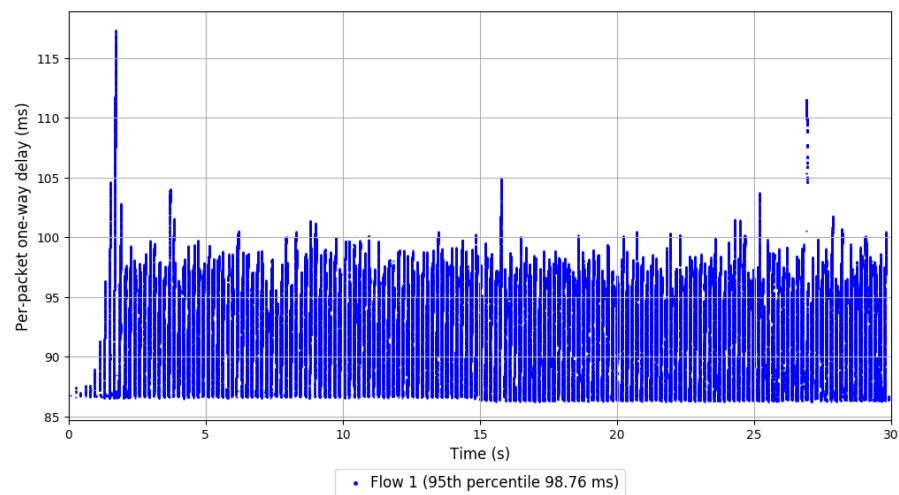
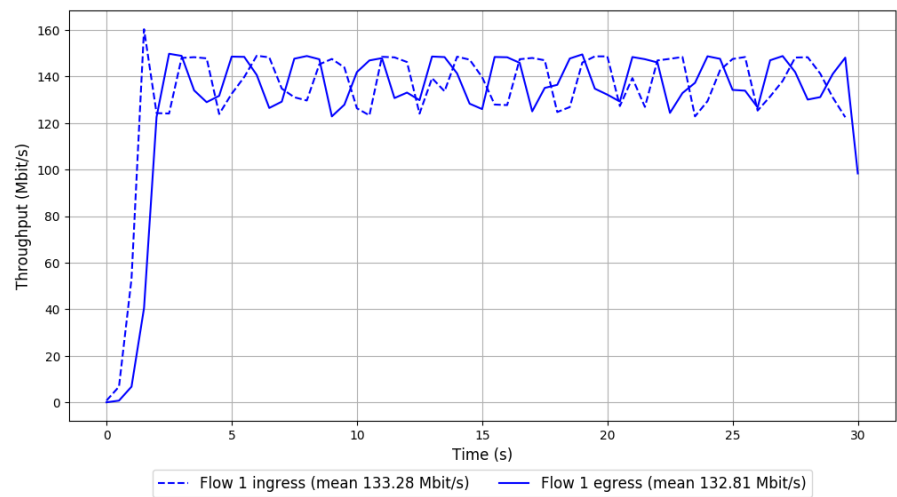
-- Flow 1:

Average throughput: 132.81 Mbit/s

95th percentile per-packet one-way delay: 98.757 ms

Loss rate: 0.61%

Run 4: Report of TCP Vegas — Data Link

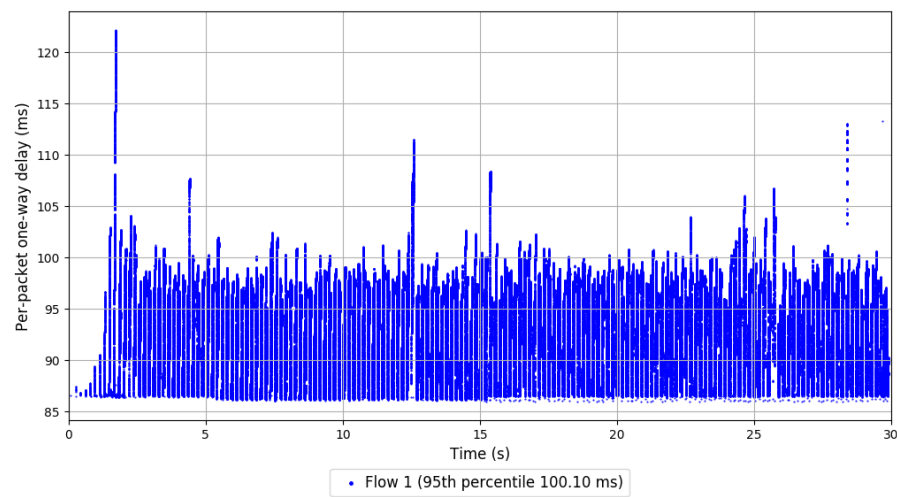
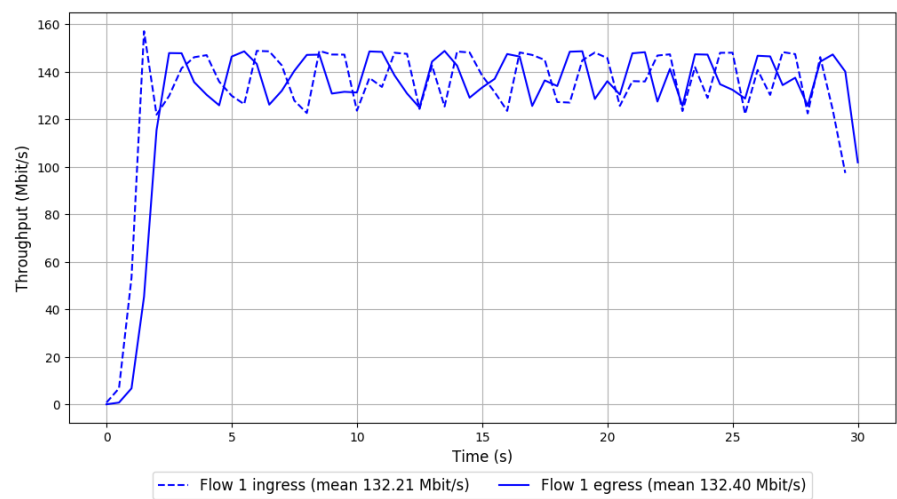


Run 5: Statistics of TCP Vegas

Start at: 2018-07-10 09:27:42
End at: 2018-07-10 09:28:12
Local clock offset: -0.047 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-10 12:31:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.40 Mbit/s
95th percentile per-packet one-way delay: 100.097 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 132.40 Mbit/s
95th percentile per-packet one-way delay: 100.097 ms
Loss rate: 0.04%

Run 5: Report of TCP Vegas — Data Link

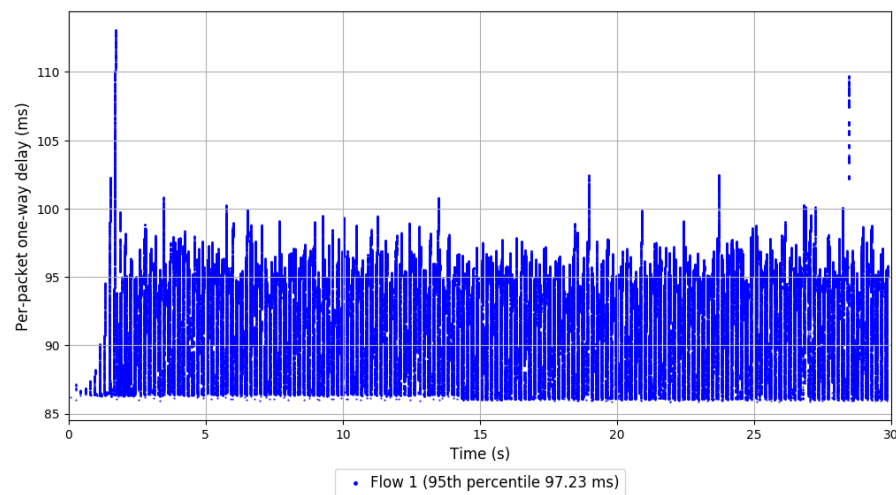
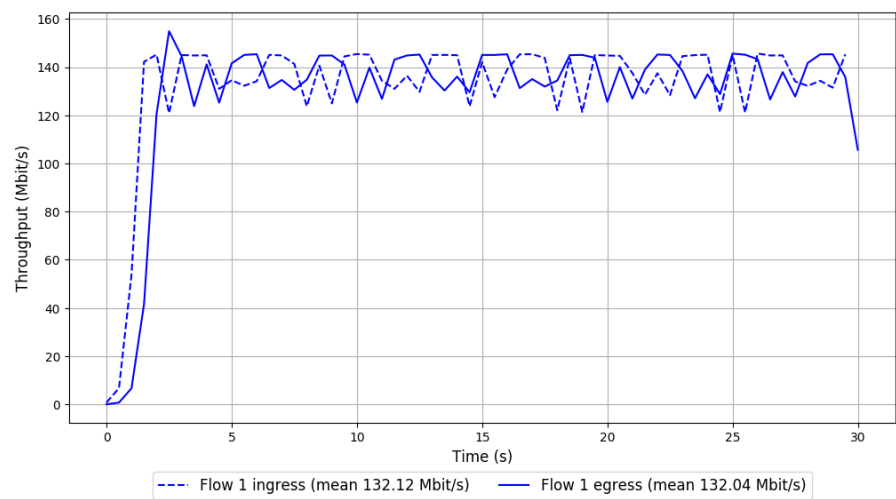


Run 6: Statistics of TCP Vegas

Start at: 2018-07-10 09:49:23
End at: 2018-07-10 09:49:53
Local clock offset: -0.217 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-10 12:31:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.04 Mbit/s
95th percentile per-packet one-way delay: 97.228 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 132.04 Mbit/s
95th percentile per-packet one-way delay: 97.228 ms
Loss rate: 0.61%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-10 10:10:53

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

Local clock offset: 0.053 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-07-10 12:31:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.00 Mbit/s

95th percentile per-packet one-way delay: 98.426 ms

Loss rate: 0.61%

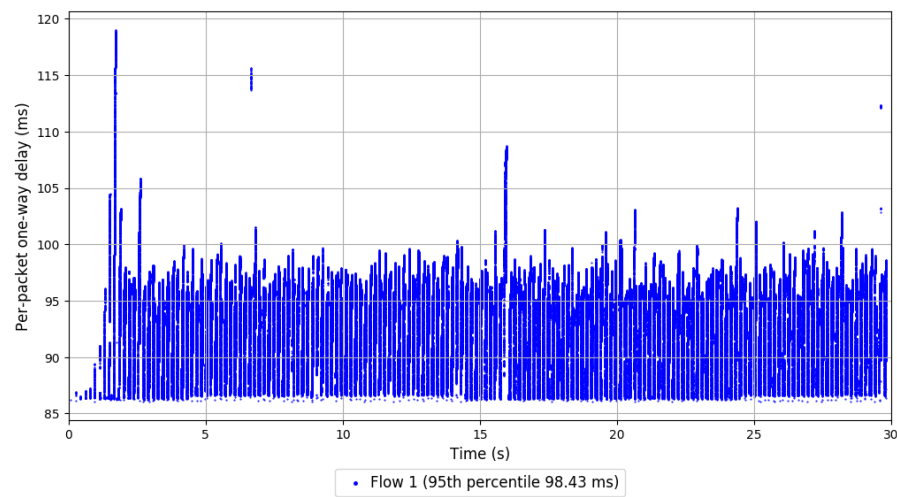
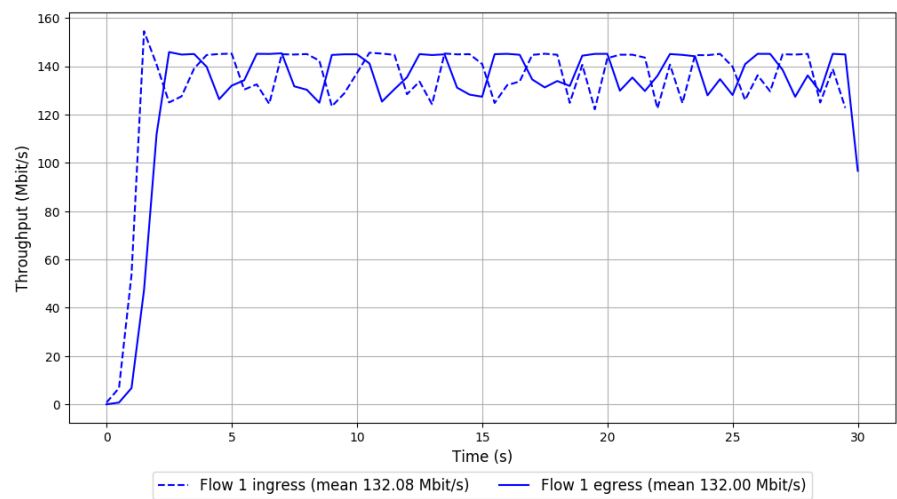
-- Flow 1:

Average throughput: 132.00 Mbit/s

95th percentile per-packet one-way delay: 98.426 ms

Loss rate: 0.61%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-10 10:32:12

End at: 2018-07-10 10:32:42

Local clock offset: -0.013 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-07-10 12:31:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.84 Mbit/s

95th percentile per-packet one-way delay: 97.986 ms

Loss rate: 0.67%

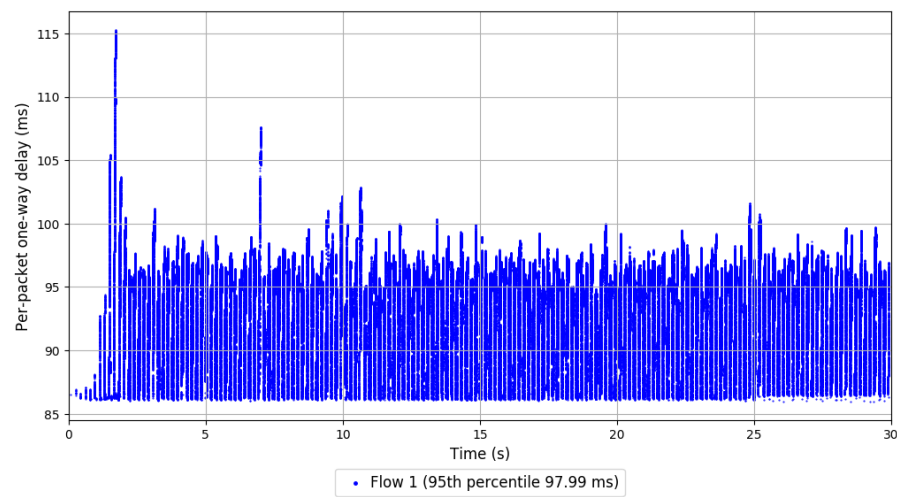
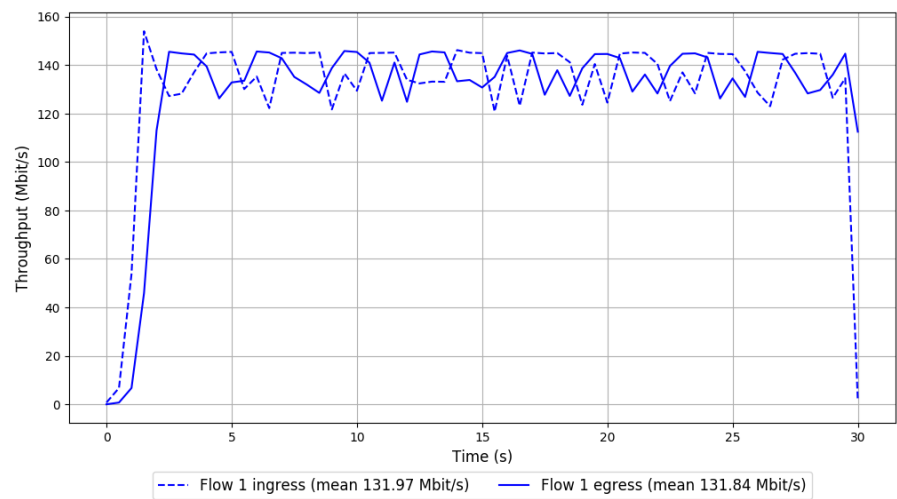
-- Flow 1:

Average throughput: 131.84 Mbit/s

95th percentile per-packet one-way delay: 97.986 ms

Loss rate: 0.67%

Run 8: Report of TCP Vegas — Data Link

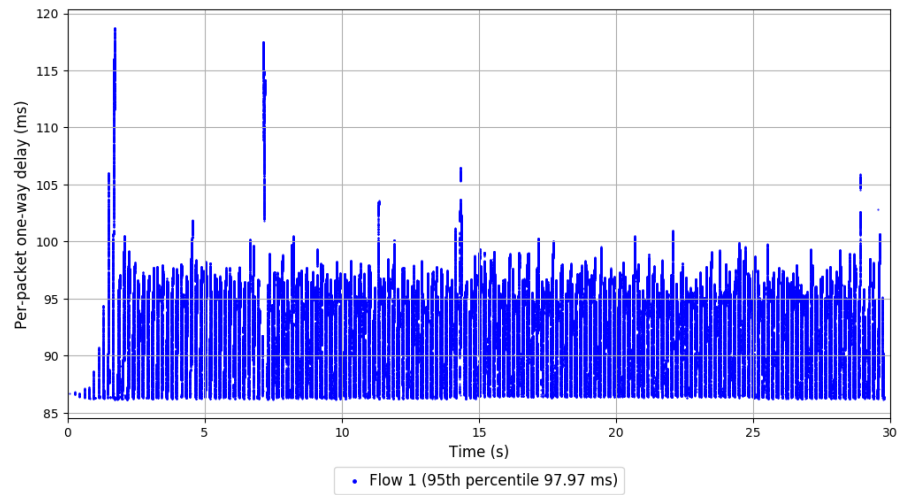
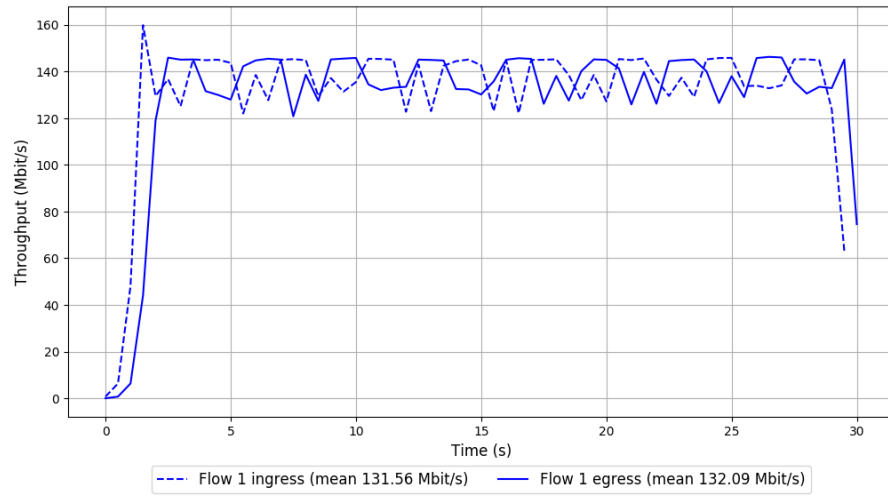


Run 9: Statistics of TCP Vegas

Start at: 2018-07-10 10:53:52
End at: 2018-07-10 10:54:22
Local clock offset: 0.117 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-10 12:32:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.09 Mbit/s
95th percentile per-packet one-way delay: 97.974 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 132.09 Mbit/s
95th percentile per-packet one-way delay: 97.974 ms
Loss rate: 0.20%

Run 9: Report of TCP Vegas — Data Link

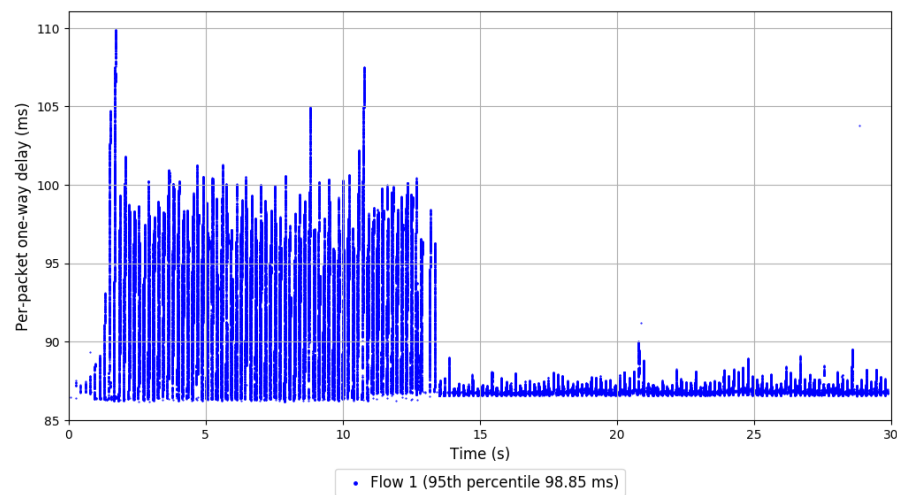
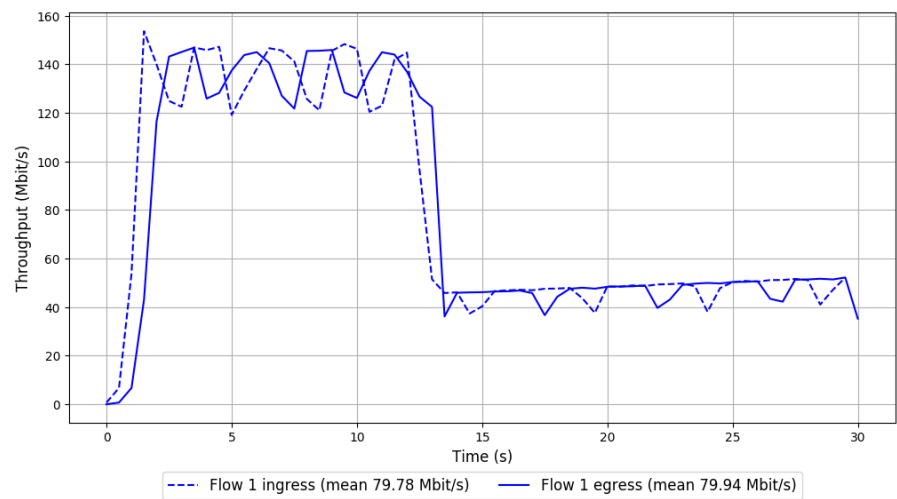


Run 10: Statistics of TCP Vegas

Start at: 2018-07-10 11:15:26
End at: 2018-07-10 11:15:56
Local clock offset: 0.13 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-10 12:32:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.94 Mbit/s
95th percentile per-packet one-way delay: 98.847 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 79.94 Mbit/s
95th percentile per-packet one-way delay: 98.847 ms
Loss rate: 0.37%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-10 07:51:44

End at: 2018-07-10 07:52:14

Local clock offset: 0.062 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-10 12:32:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 144.24 Mbit/s

95th percentile per-packet one-way delay: 132.357 ms

Loss rate: 1.06%

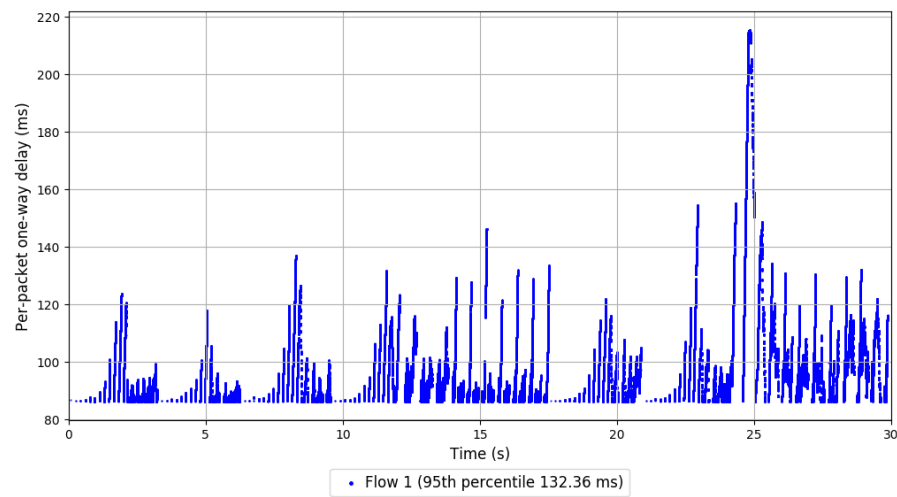
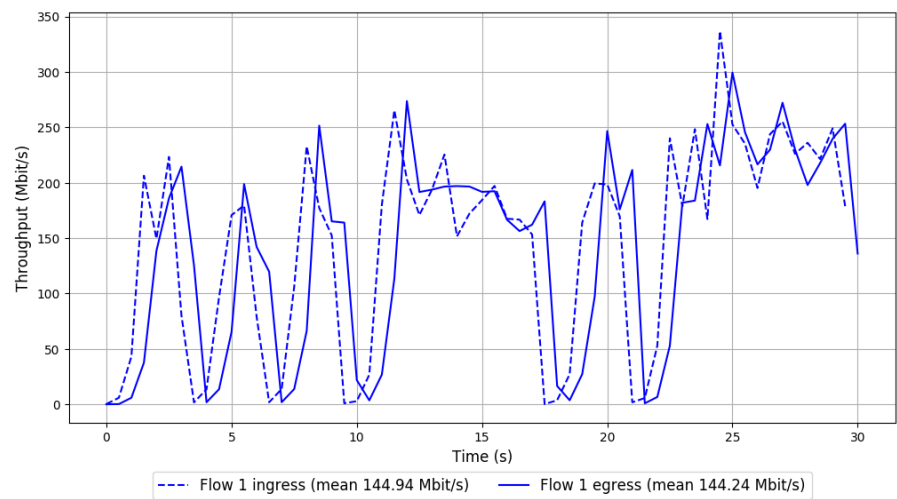
-- Flow 1:

Average throughput: 144.24 Mbit/s

95th percentile per-packet one-way delay: 132.357 ms

Loss rate: 1.06%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-07-10 08:12:53

End at: 2018-07-10 08:13:23

Local clock offset: -0.066 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-07-10 12:34:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.44 Mbit/s

95th percentile per-packet one-way delay: 159.069 ms

Loss rate: 0.73%

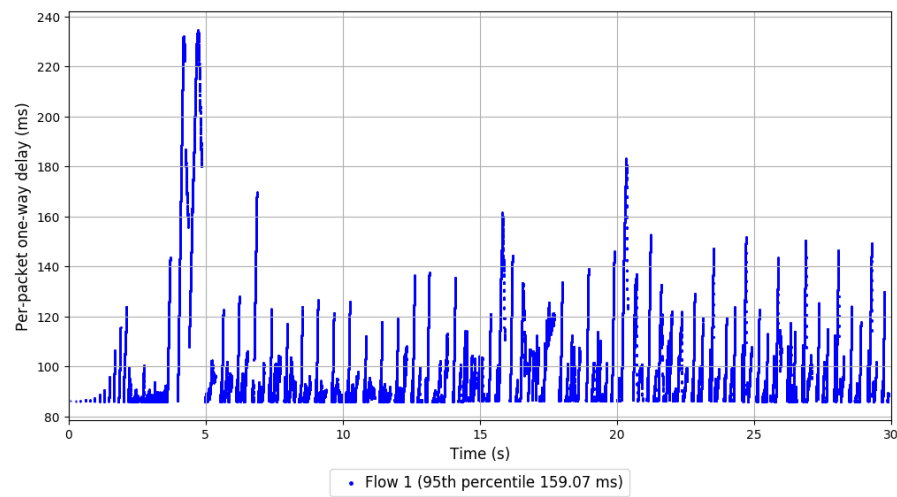
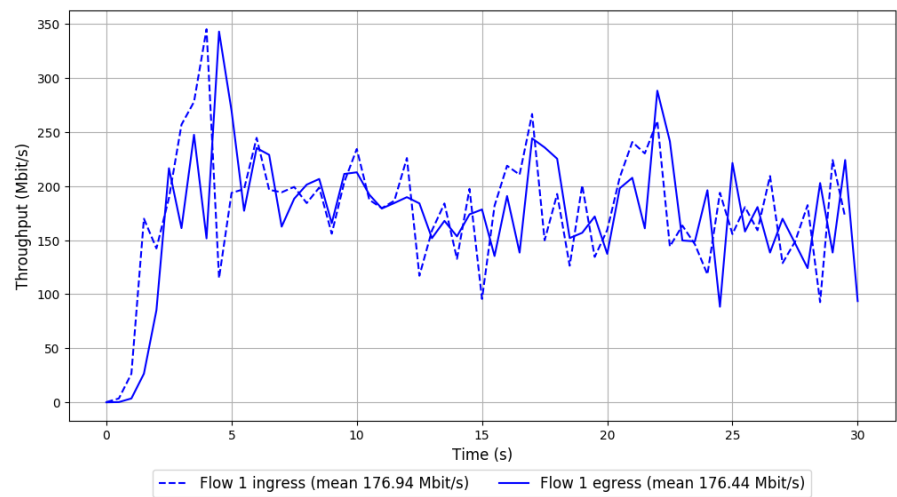
-- Flow 1:

Average throughput: 176.44 Mbit/s

95th percentile per-packet one-way delay: 159.069 ms

Loss rate: 0.73%

Run 2: Report of Verus — Data Link

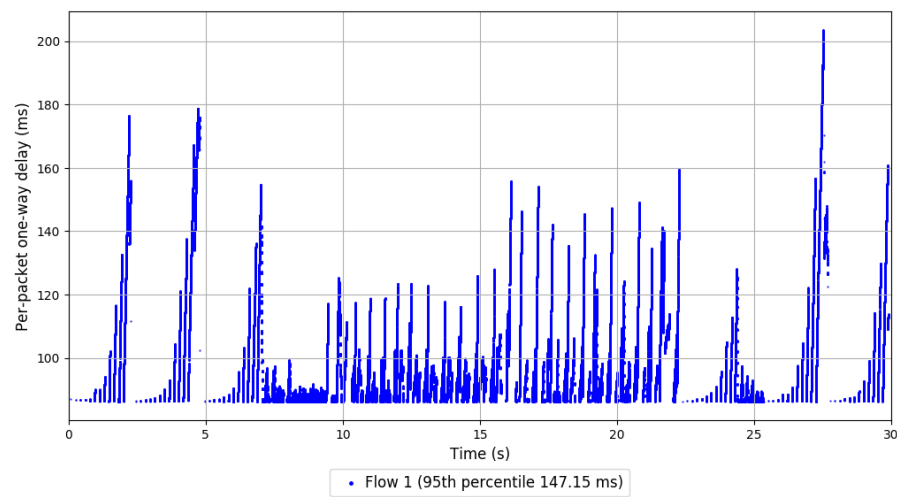
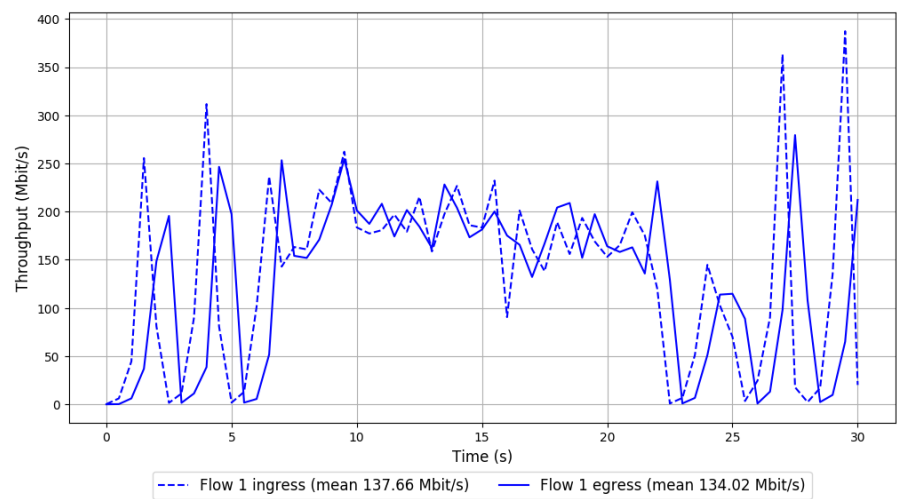


Run 3: Statistics of Verus

Start at: 2018-07-10 08:34:06
End at: 2018-07-10 08:34:36
Local clock offset: 0.016 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-10 12:34:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 134.02 Mbit/s
95th percentile per-packet one-way delay: 147.150 ms
Loss rate: 3.30%
-- Flow 1:
Average throughput: 134.02 Mbit/s
95th percentile per-packet one-way delay: 147.150 ms
Loss rate: 3.30%

Run 3: Report of Verus — Data Link

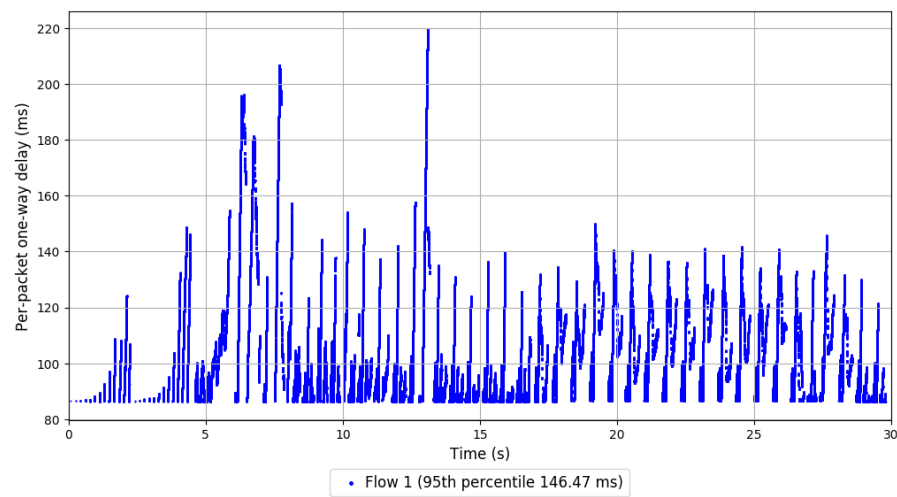
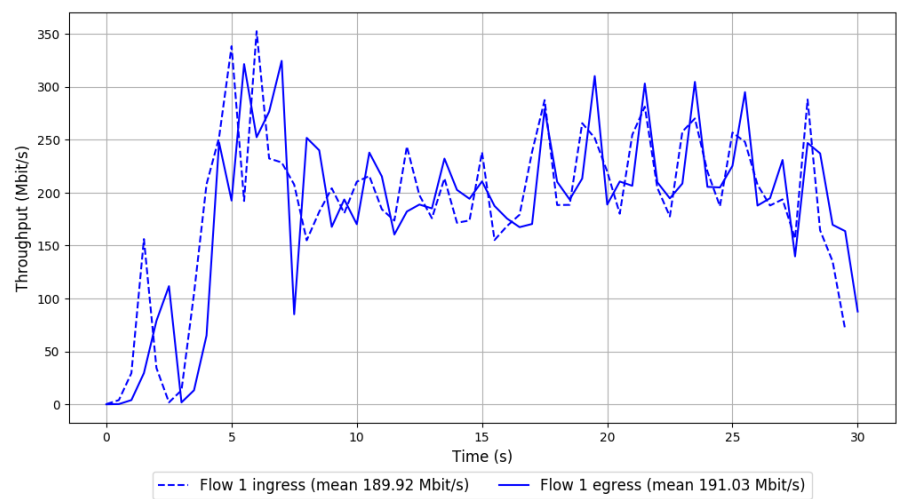


Run 4: Statistics of Verus

Start at: 2018-07-10 08:55:49
End at: 2018-07-10 08:56:19
Local clock offset: 0.164 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-10 12:34:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 191.03 Mbit/s
95th percentile per-packet one-way delay: 146.465 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 191.03 Mbit/s
95th percentile per-packet one-way delay: 146.465 ms
Loss rate: 0.00%

Run 4: Report of Verus — Data Link

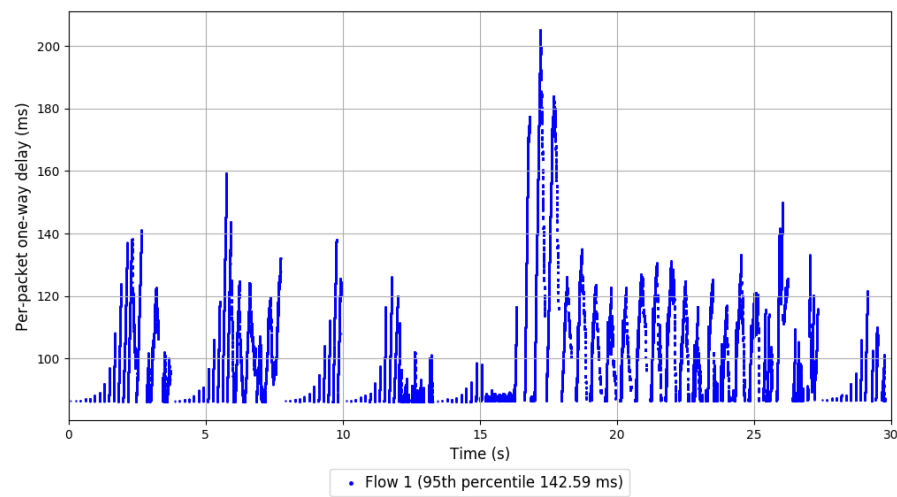
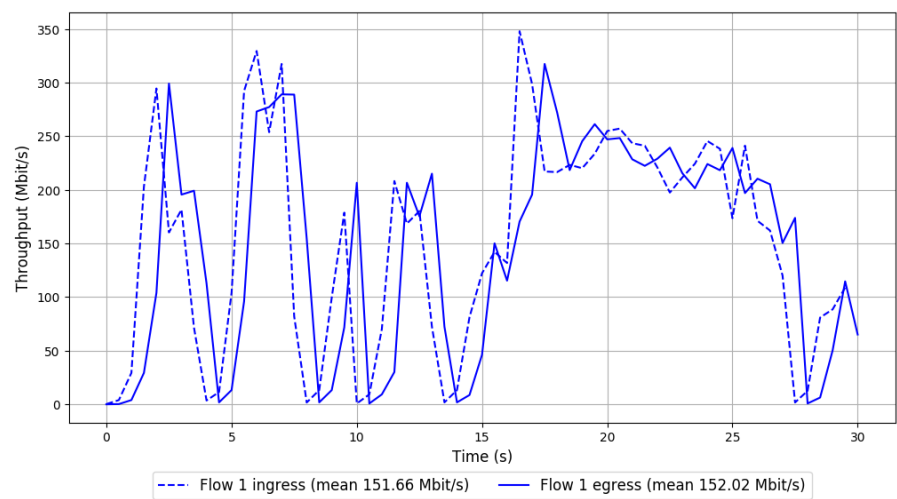


Run 5: Statistics of Verus

Start at: 2018-07-10 09:17:32
End at: 2018-07-10 09:18:02
Local clock offset: 0.044 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-10 12:34:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 152.02 Mbit/s
95th percentile per-packet one-way delay: 142.587 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 152.02 Mbit/s
95th percentile per-packet one-way delay: 142.587 ms
Loss rate: 0.61%

Run 5: Report of Verus — Data Link

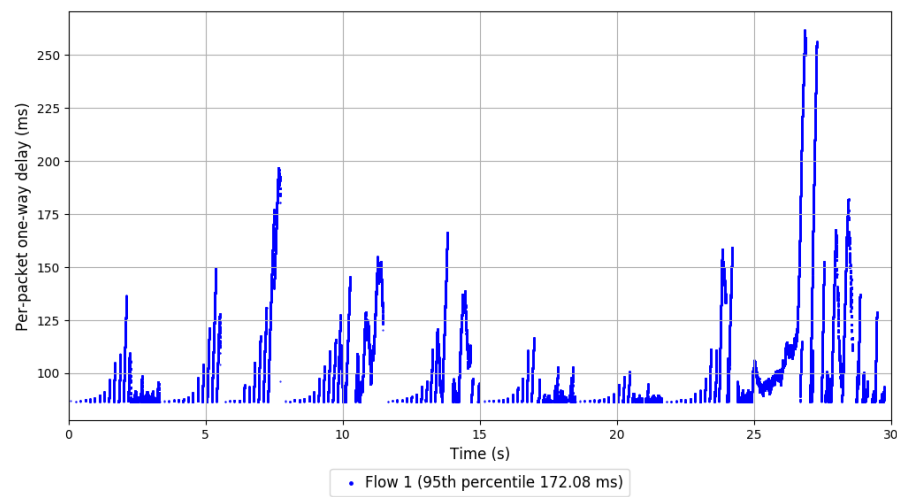
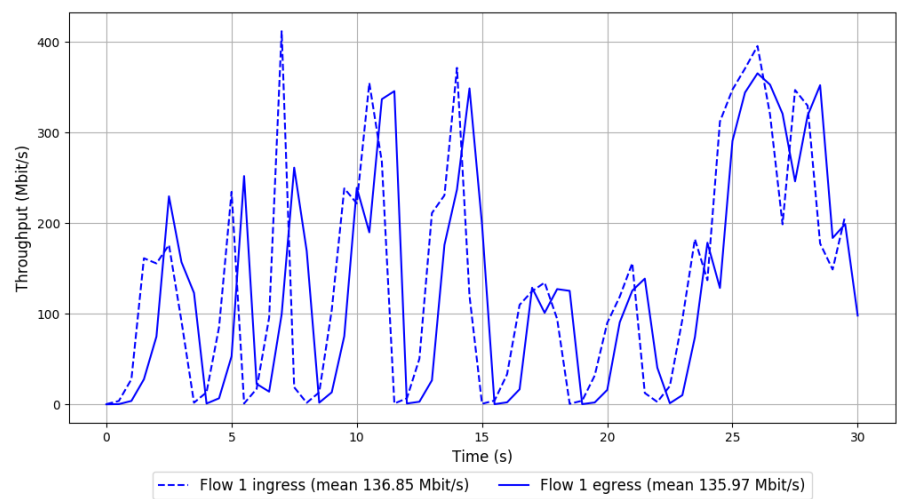


Run 6: Statistics of Verus

Start at: 2018-07-10 09:39:11
End at: 2018-07-10 09:39:41
Local clock offset: 0.049 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-10 12:34:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 135.97 Mbit/s
95th percentile per-packet one-way delay: 172.078 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 135.97 Mbit/s
95th percentile per-packet one-way delay: 172.078 ms
Loss rate: 1.56%

Run 6: Report of Verus — Data Link

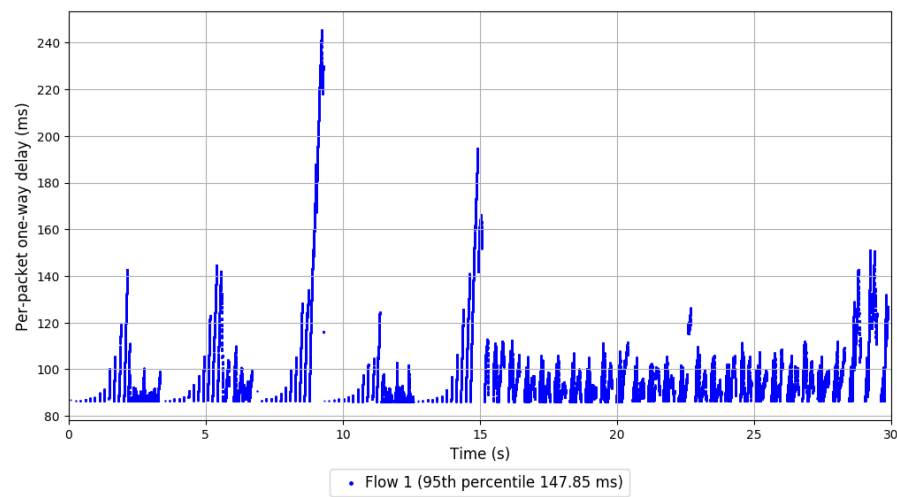
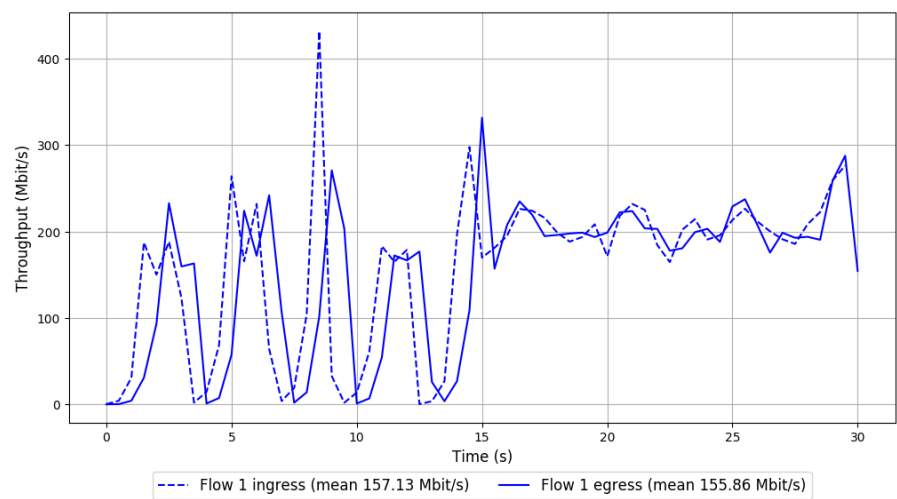


Run 7: Statistics of Verus

Start at: 2018-07-10 10:00:37
End at: 2018-07-10 10:01:07
Local clock offset: -0.038 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-07-10 12:34:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 155.86 Mbit/s
95th percentile per-packet one-way delay: 147.852 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 155.86 Mbit/s
95th percentile per-packet one-way delay: 147.852 ms
Loss rate: 1.30%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

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

End at: 2018-07-10 10:22:41

Local clock offset: 0.031 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-07-10 12:35:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 191.32 Mbit/s

95th percentile per-packet one-way delay: 234.023 ms

Loss rate: 1.59%

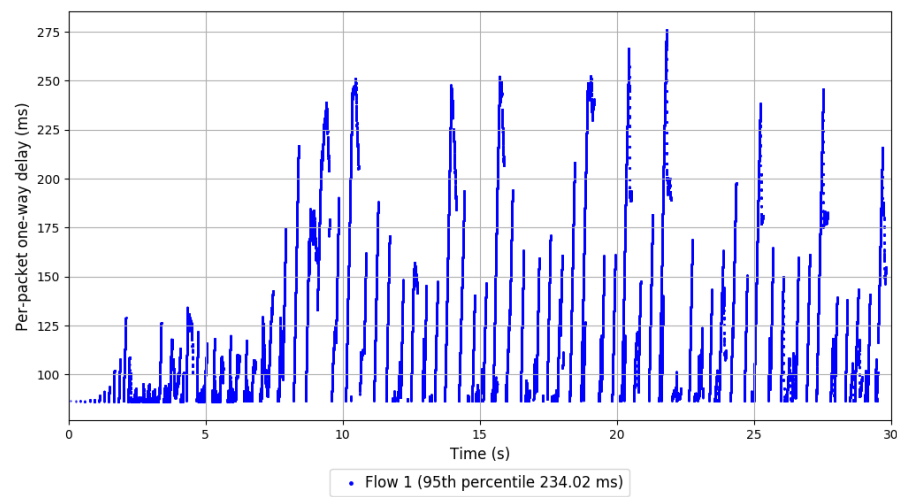
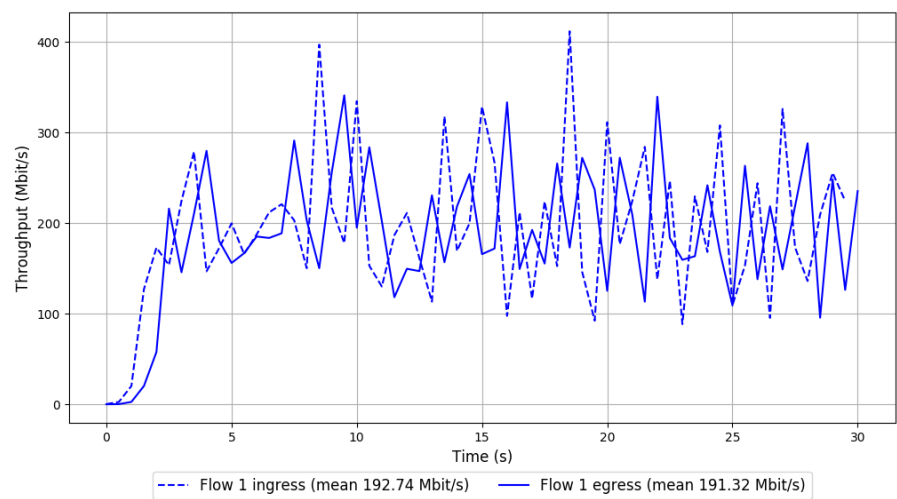
-- Flow 1:

Average throughput: 191.32 Mbit/s

95th percentile per-packet one-way delay: 234.023 ms

Loss rate: 1.59%

Run 8: Report of Verus — Data Link

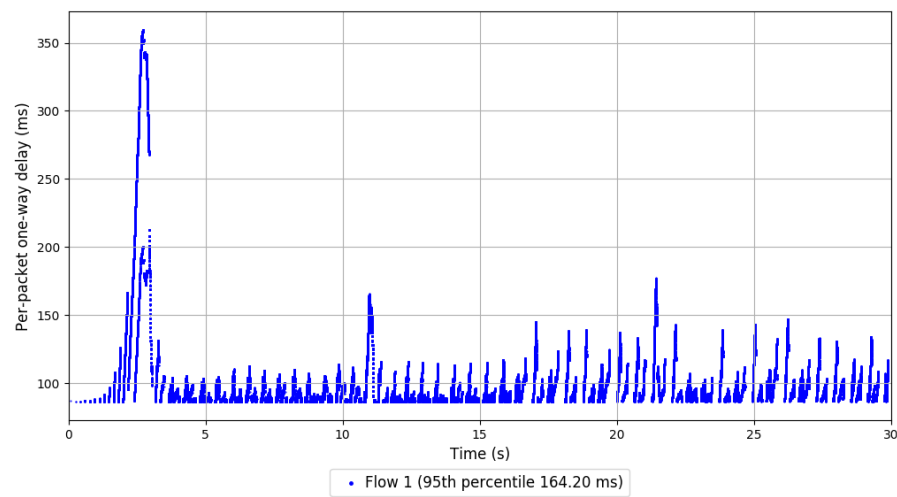
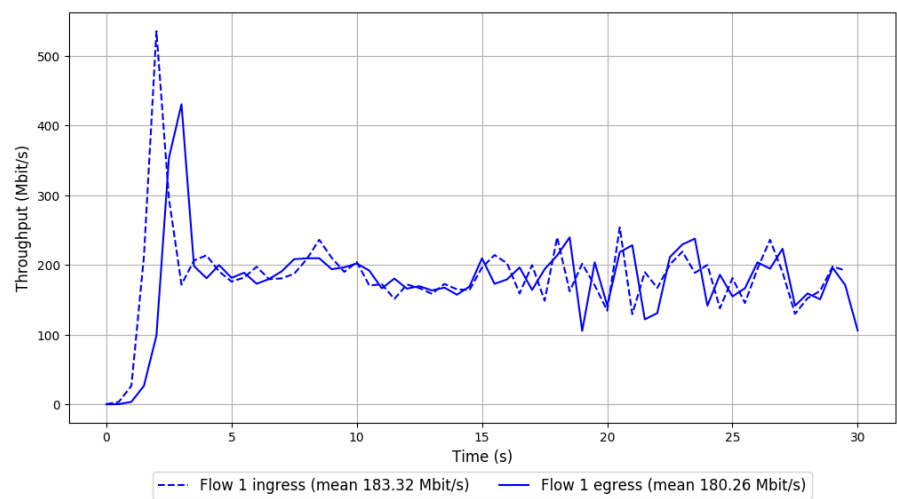


Run 9: Statistics of Verus

Start at: 2018-07-10 10:43:27
End at: 2018-07-10 10:43:57
Local clock offset: 0.09 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-10 12:35:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 180.26 Mbit/s
95th percentile per-packet one-way delay: 164.197 ms
Loss rate: 2.23%
-- Flow 1:
Average throughput: 180.26 Mbit/s
95th percentile per-packet one-way delay: 164.197 ms
Loss rate: 2.23%

Run 9: Report of Verus — Data Link

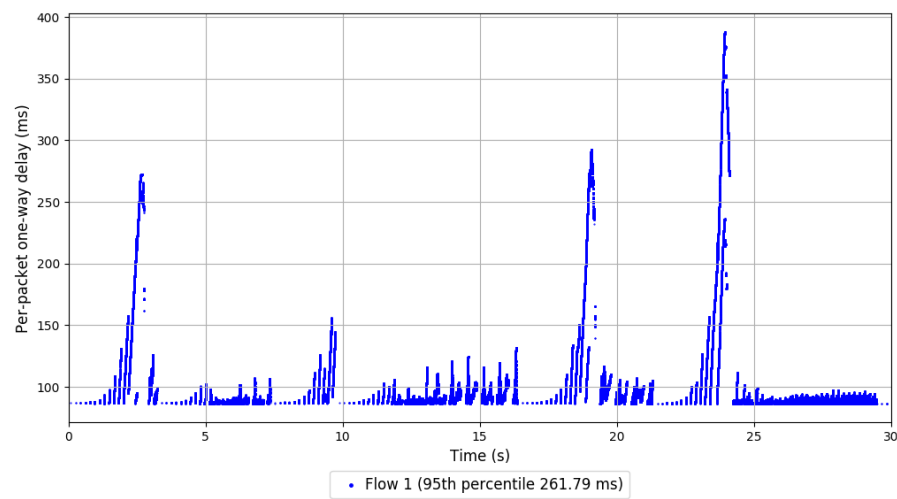
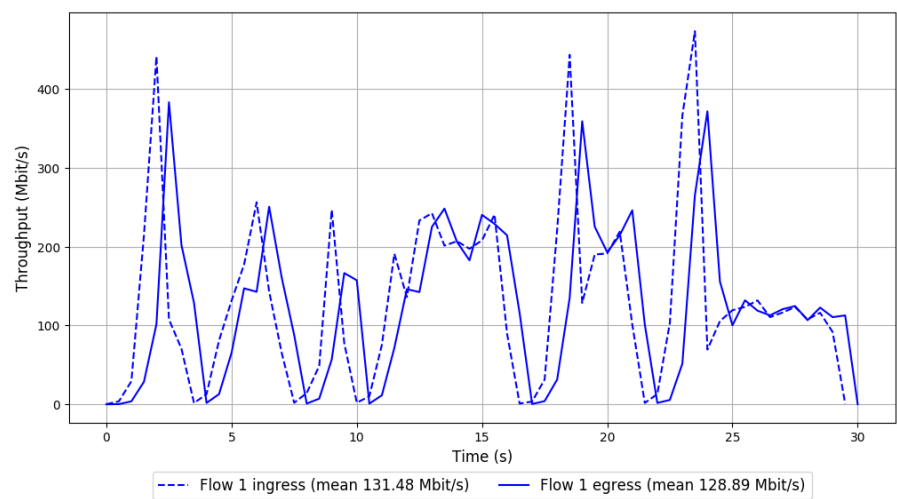


Run 10: Statistics of Verus

Start at: 2018-07-10 11:05:18
End at: 2018-07-10 11:05:48
Local clock offset: 0.17 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-10 12:35:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 128.89 Mbit/s
95th percentile per-packet one-way delay: 261.793 ms
Loss rate: 2.54%
-- Flow 1:
Average throughput: 128.89 Mbit/s
95th percentile per-packet one-way delay: 261.793 ms
Loss rate: 2.54%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-10 07:59:06

End at: 2018-07-10 07:59:36

Local clock offset: -0.144 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-10 12:40:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 328.76 Mbit/s

95th percentile per-packet one-way delay: 103.999 ms

Loss rate: 0.67%

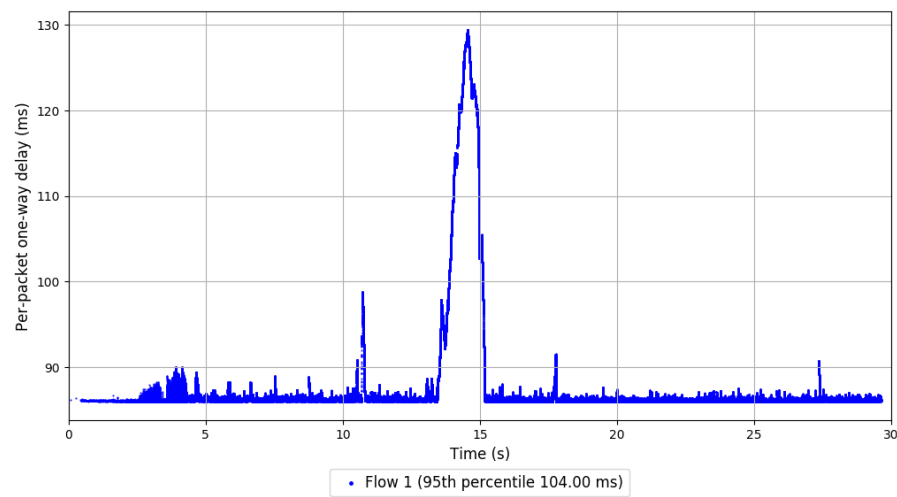
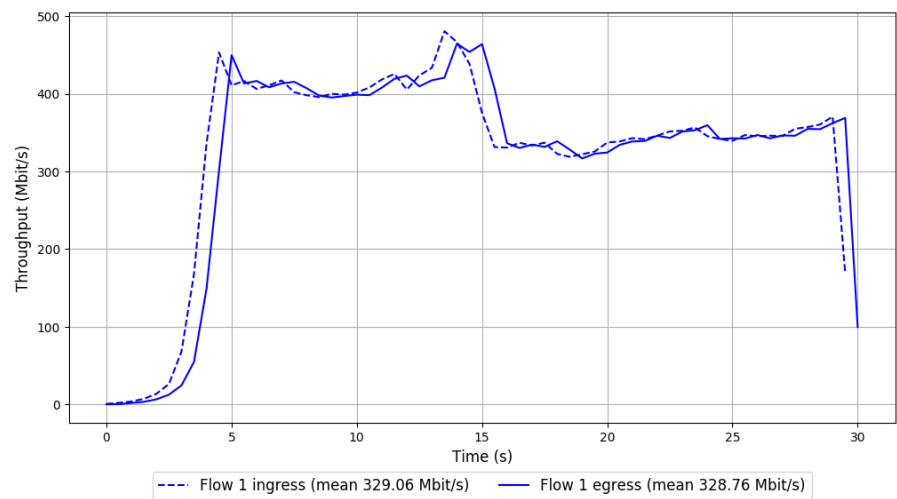
-- Flow 1:

Average throughput: 328.76 Mbit/s

95th percentile per-packet one-way delay: 103.999 ms

Loss rate: 0.67%

Run 1: Report of PCC-Vivace — Data Link

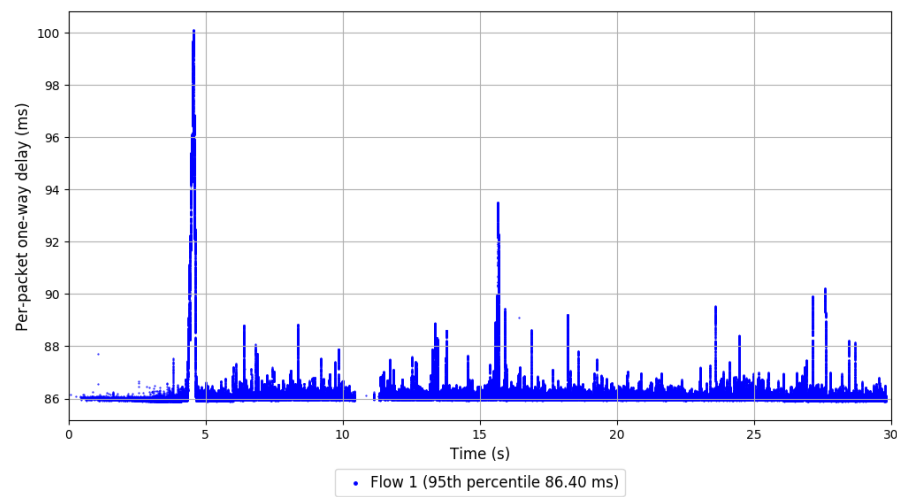
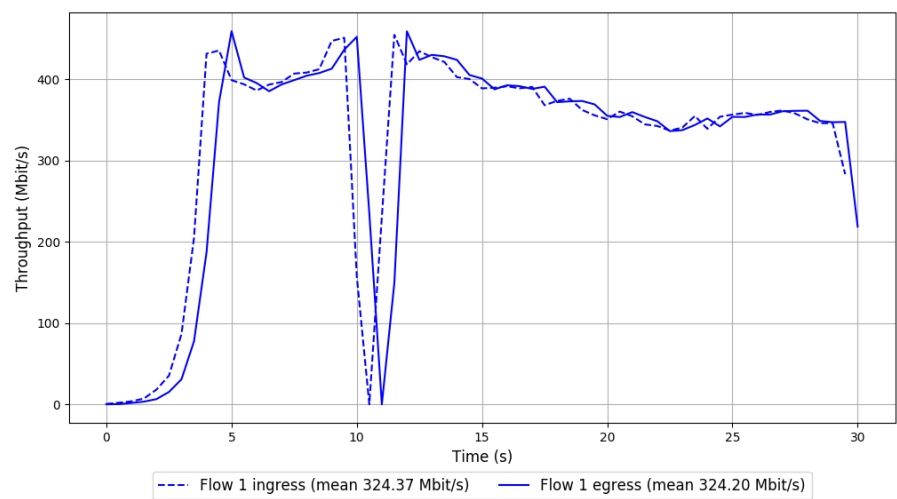


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-10 08:20:11
End at: 2018-07-10 08:20:41
Local clock offset: 0.002 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-10 12:40:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 324.20 Mbit/s
95th percentile per-packet one-way delay: 86.401 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 324.20 Mbit/s
95th percentile per-packet one-way delay: 86.401 ms
Loss rate: 0.63%

Run 2: Report of PCC-Vivace — Data Link

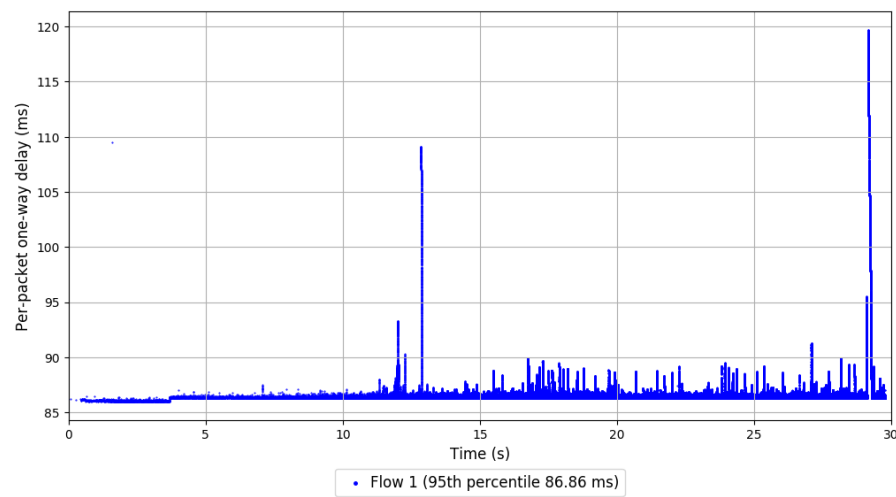
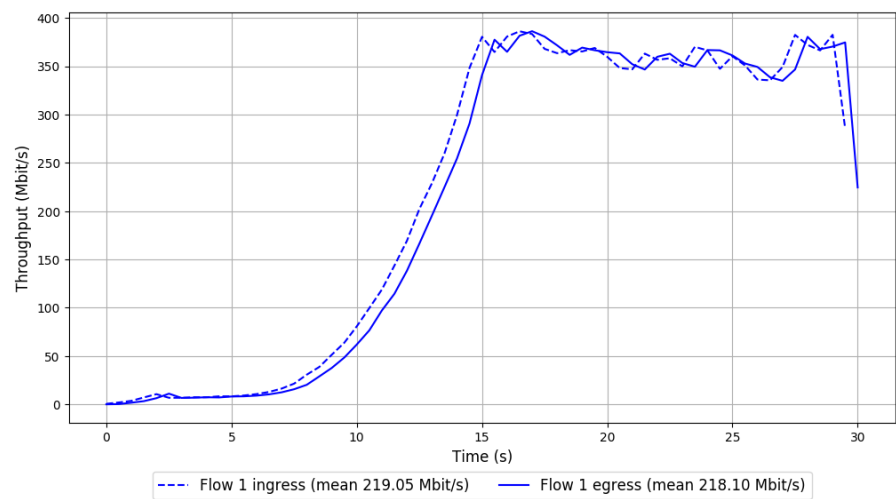


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-10 08:41:53
End at: 2018-07-10 08:42:23
Local clock offset: -0.094 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-10 12:40:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 218.10 Mbit/s
95th percentile per-packet one-way delay: 86.865 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 218.10 Mbit/s
95th percentile per-packet one-way delay: 86.865 ms
Loss rate: 1.01%

Run 3: Report of PCC-Vivace — Data Link

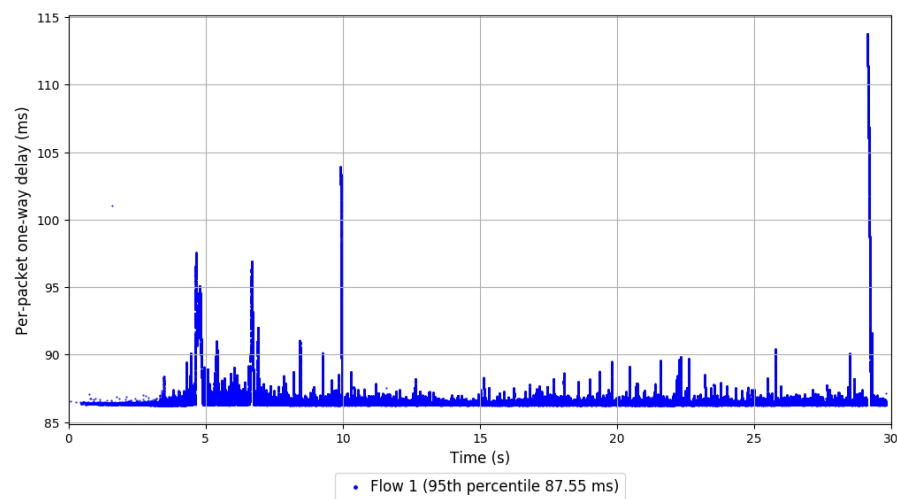
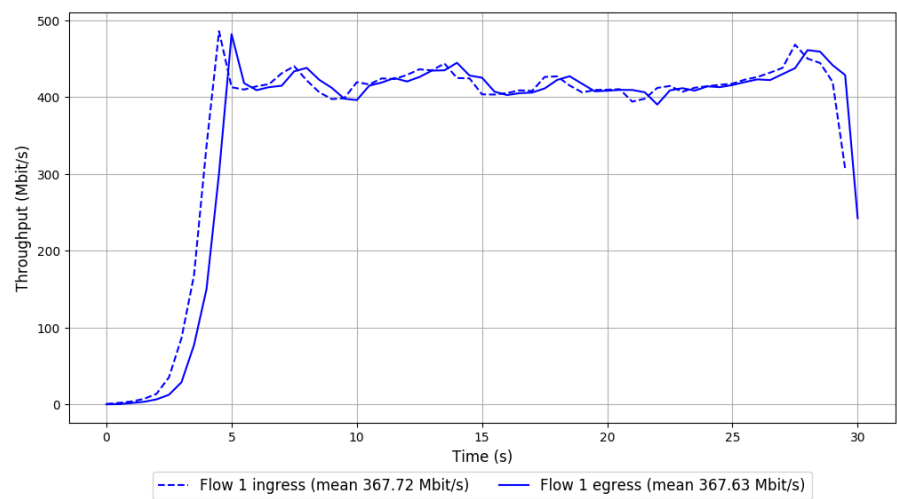


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-10 09:03:30
End at: 2018-07-10 09:04:00
Local clock offset: 0.307 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-07-10 12:41:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 367.63 Mbit/s
95th percentile per-packet one-way delay: 87.550 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 367.63 Mbit/s
95th percentile per-packet one-way delay: 87.550 ms
Loss rate: 0.60%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-10 09:25:00

End at: 2018-07-10 09:25:30

Local clock offset: 0.017 ms

Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-07-10 12:41:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 354.12 Mbit/s

95th percentile per-packet one-way delay: 87.329 ms

Loss rate: 0.61%

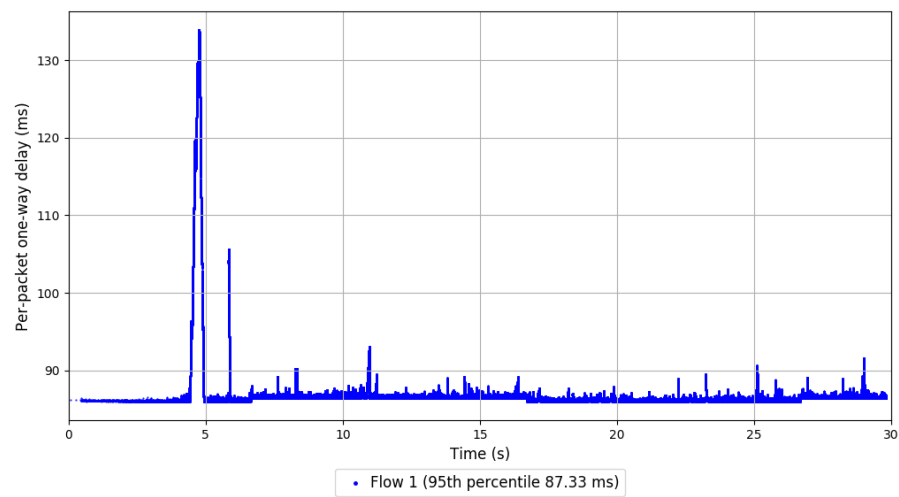
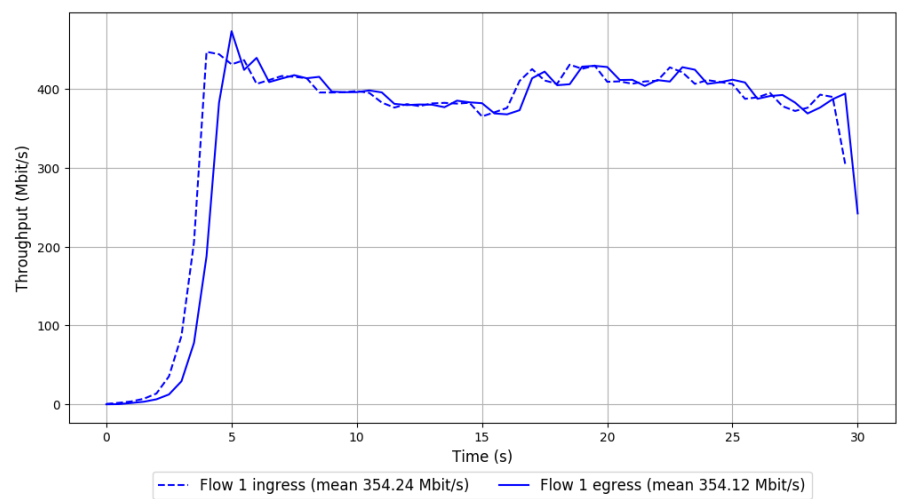
-- Flow 1:

Average throughput: 354.12 Mbit/s

95th percentile per-packet one-way delay: 87.329 ms

Loss rate: 0.61%

Run 5: Report of PCC-Vivace — Data Link

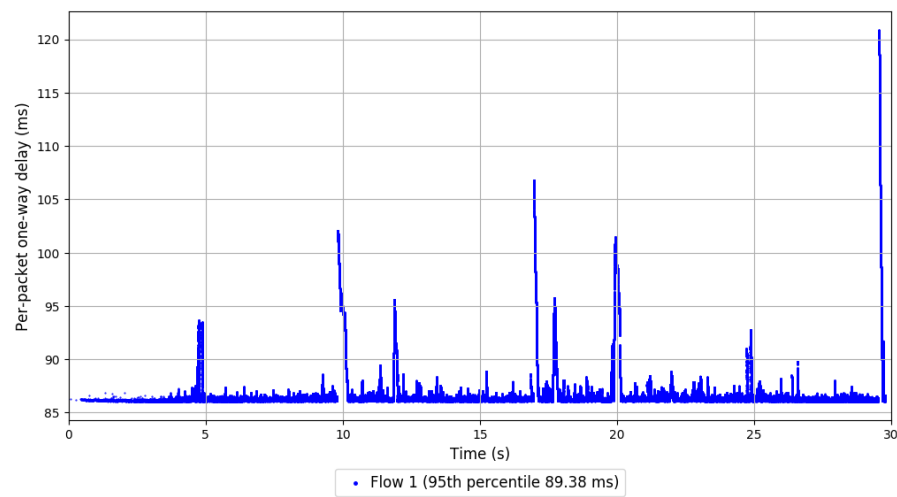
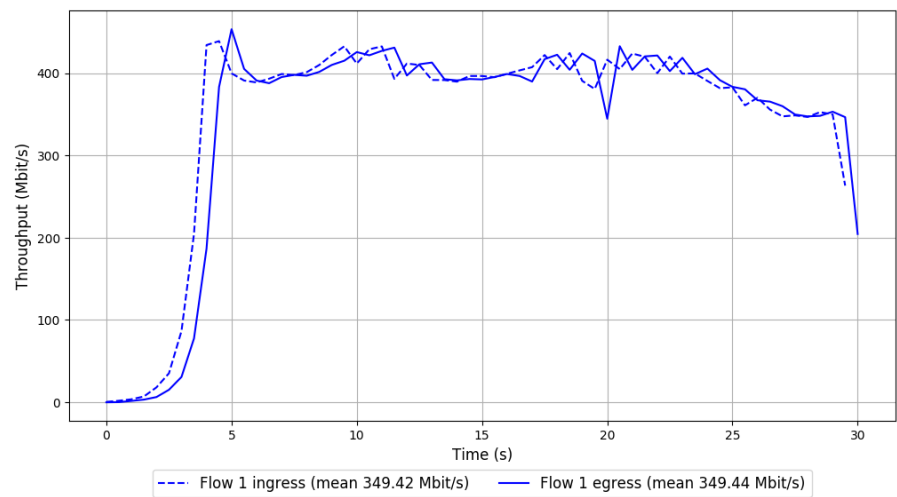


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-10 09:46:41
End at: 2018-07-10 09:47:11
Local clock offset: -0.002 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-10 12:41:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 349.44 Mbit/s
95th percentile per-packet one-way delay: 89.382 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 349.44 Mbit/s
95th percentile per-packet one-way delay: 89.382 ms
Loss rate: 0.57%

Run 6: Report of PCC-Vivace — Data Link

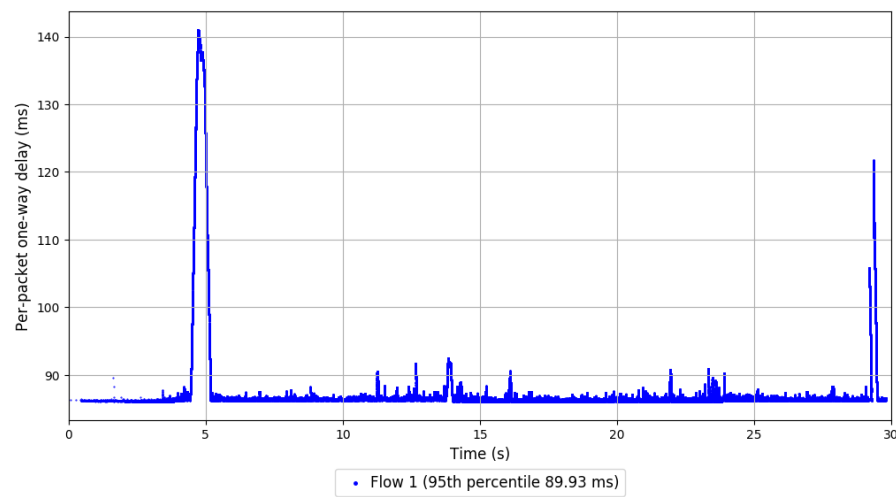
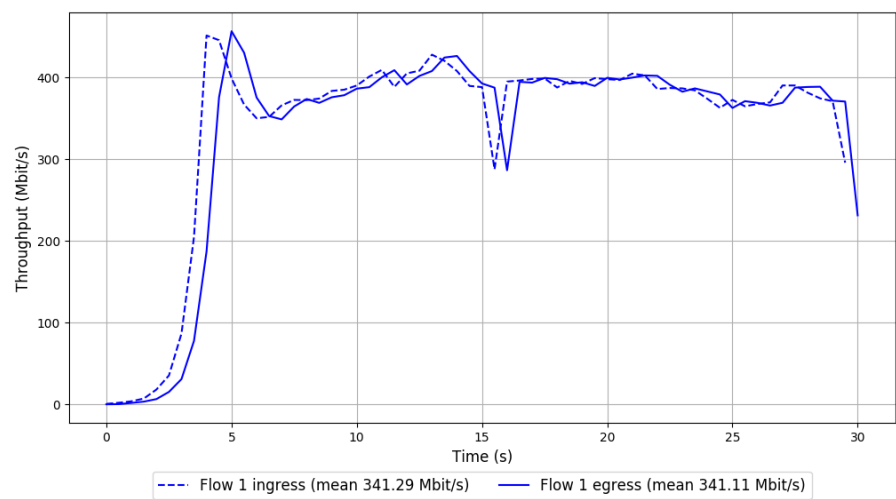


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-10 10:08:13
End at: 2018-07-10 10:08:43
Local clock offset: 0.093 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-10 12:41:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 341.11 Mbit/s
95th percentile per-packet one-way delay: 89.934 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 341.11 Mbit/s
95th percentile per-packet one-way delay: 89.934 ms
Loss rate: 0.63%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-10 10:29:35

End at: 2018-07-10 10:30:05

Local clock offset: -0.165 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-07-10 12:41:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 278.11 Mbit/s

95th percentile per-packet one-way delay: 90.534 ms

Loss rate: 0.62%

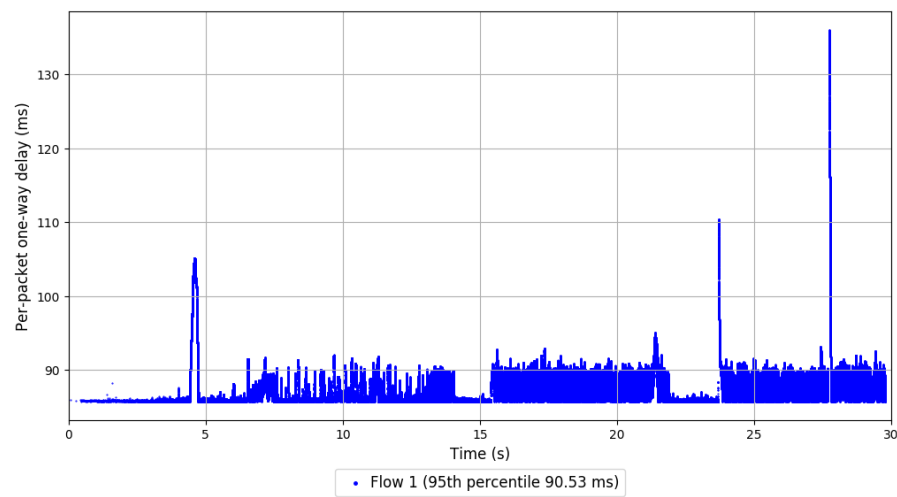
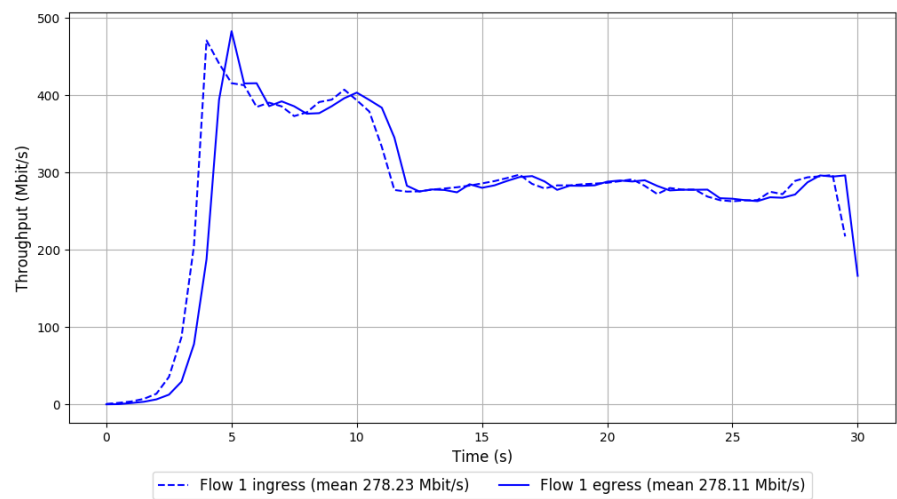
-- Flow 1:

Average throughput: 278.11 Mbit/s

95th percentile per-packet one-way delay: 90.534 ms

Loss rate: 0.62%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-10 10:51:15

End at: 2018-07-10 10:51:45

Local clock offset: -0.176 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-10 12:41:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 294.53 Mbit/s

95th percentile per-packet one-way delay: 88.004 ms

Loss rate: 0.75%

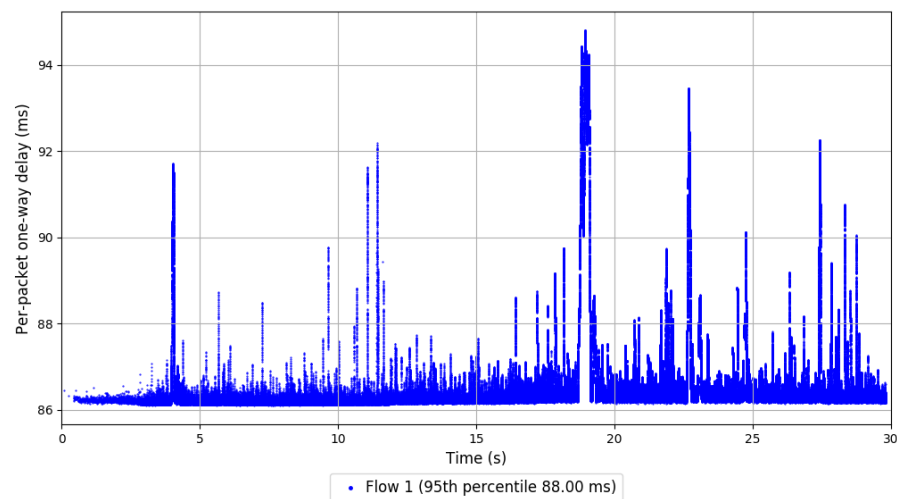
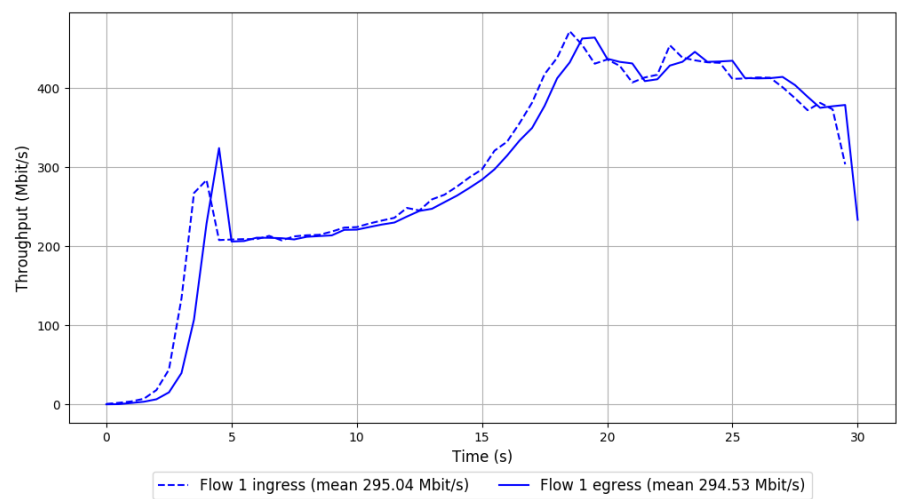
-- Flow 1:

Average throughput: 294.53 Mbit/s

95th percentile per-packet one-way delay: 88.004 ms

Loss rate: 0.75%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-10 11:12:46

End at: 2018-07-10 11:13:16

Local clock offset: 0.171 ms

Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-10 12:42:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 333.46 Mbit/s

95th percentile per-packet one-way delay: 89.794 ms

Loss rate: 0.57%

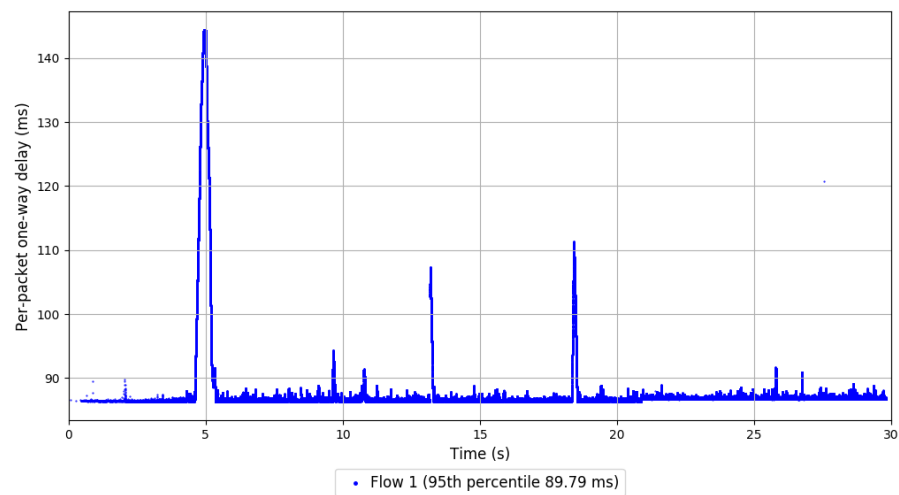
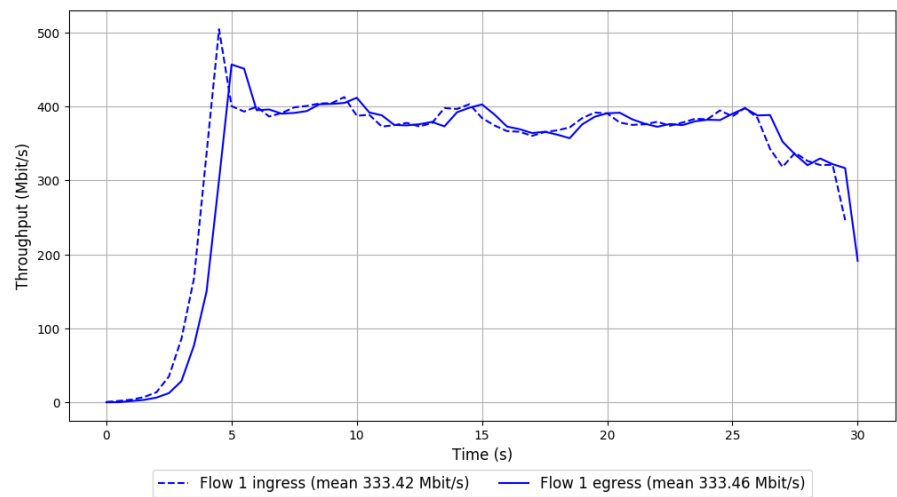
-- Flow 1:

Average throughput: 333.46 Mbit/s

95th percentile per-packet one-way delay: 89.794 ms

Loss rate: 0.57%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

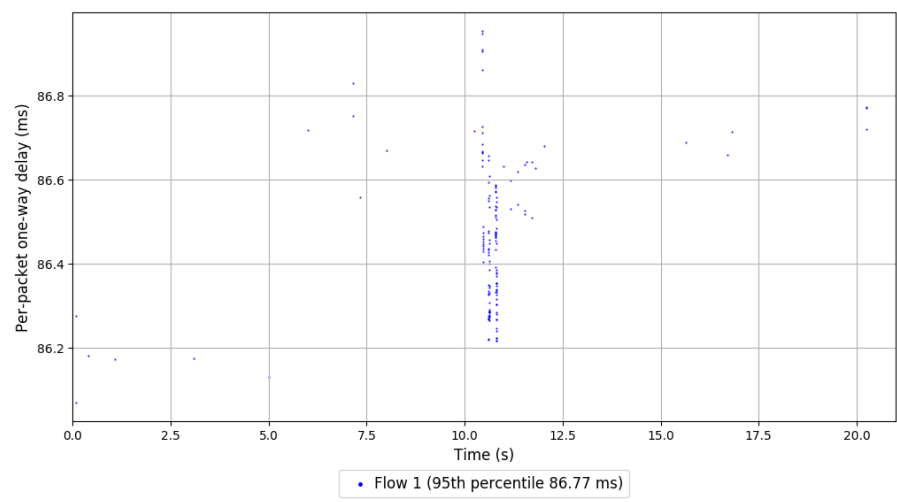
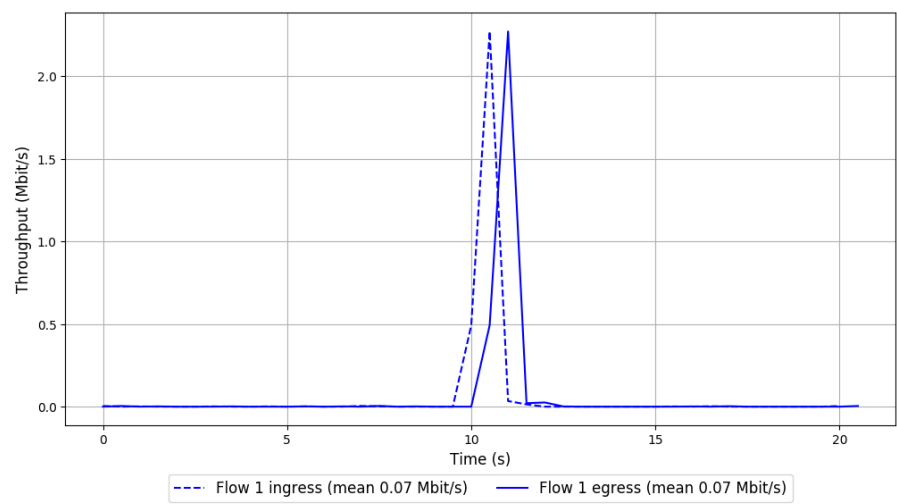
Start at: 2018-07-10 07:54:14

End at: 2018-07-10 07:54:44

Local clock offset: -0.016 ms

Remote clock offset: -0.036 ms

Run 1: Report of WebRTC media — Data Link

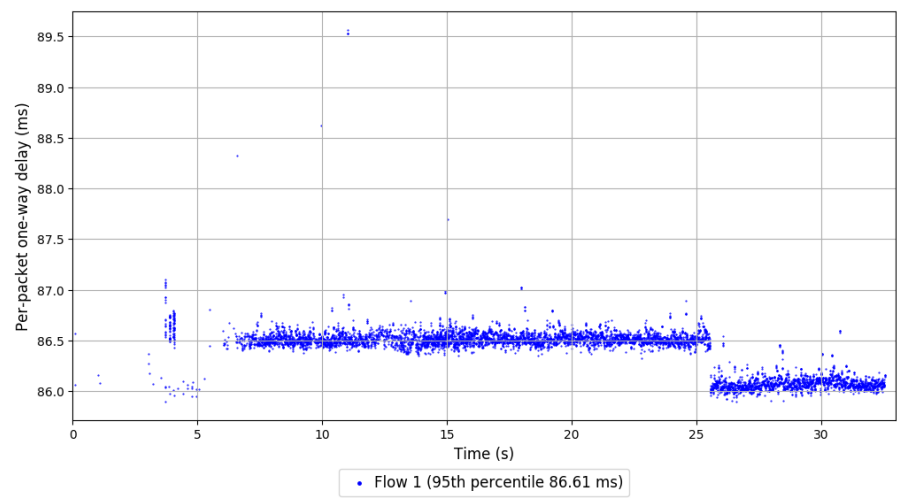
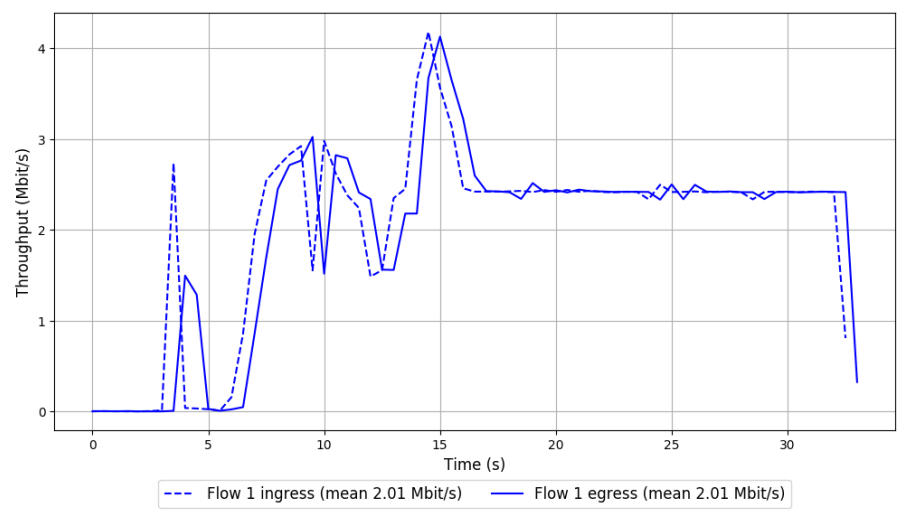


Run 2: Statistics of WebRTC media

Start at: 2018-07-10 08:15:24
End at: 2018-07-10 08:15:54
Local clock offset: -0.029 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-10 12:42:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 86.609 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 86.609 ms
Loss rate: 0.67%

Run 2: Report of WebRTC media — Data Link

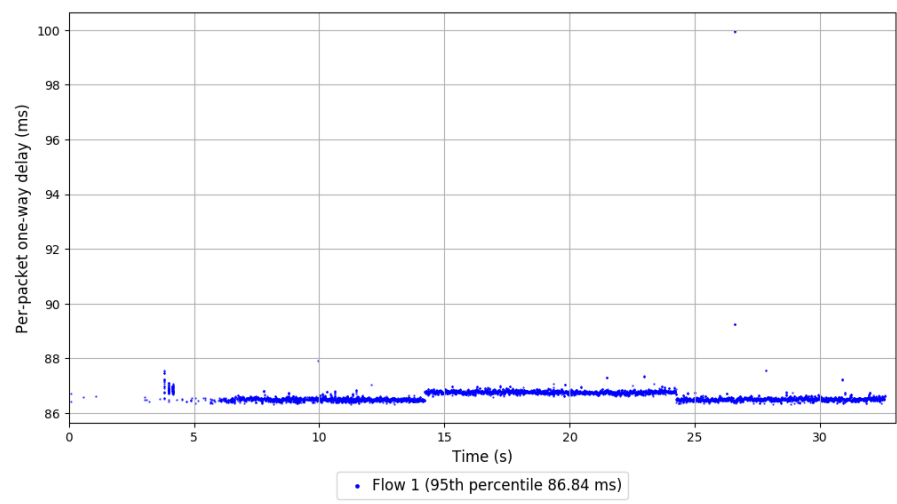
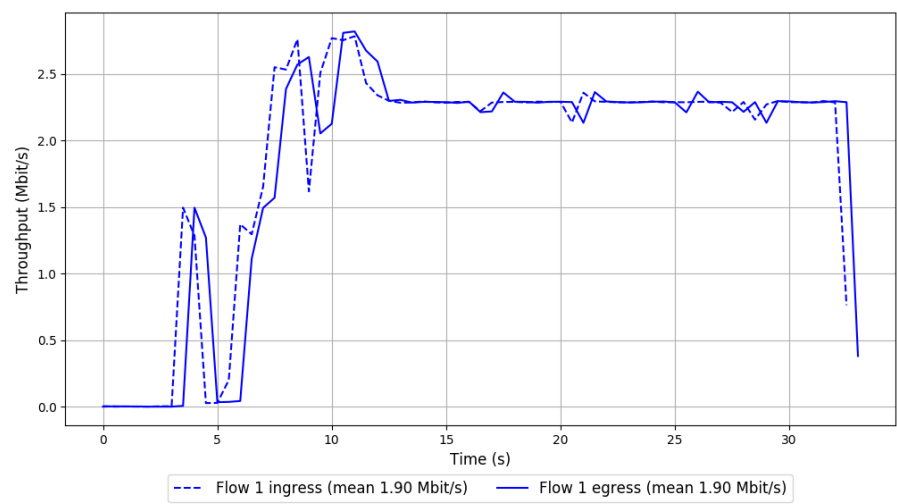


Run 3: Statistics of WebRTC media

Start at: 2018-07-10 08:36:36
End at: 2018-07-10 08:37:06
Local clock offset: 0.211 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-10 12:42:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 86.838 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 86.838 ms
Loss rate: 0.61%

Run 3: Report of WebRTC media — Data Link

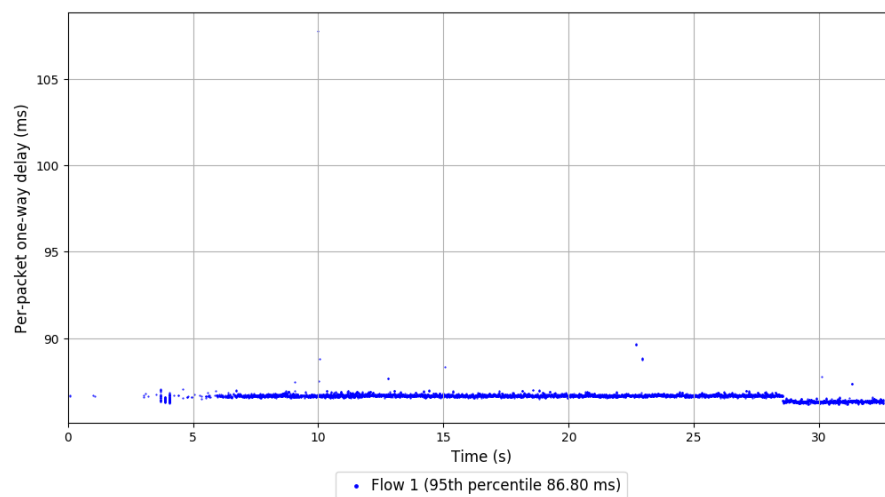
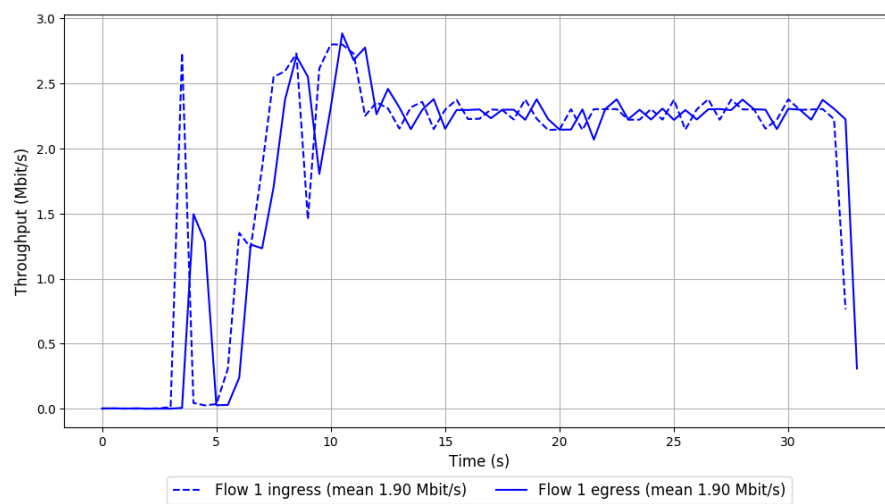


Run 4: Statistics of WebRTC media

Start at: 2018-07-10 08:58:21
End at: 2018-07-10 08:58:51
Local clock offset: 0.123 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-10 12:42:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 86.802 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 86.802 ms
Loss rate: 0.68%

Run 4: Report of WebRTC media — Data Link

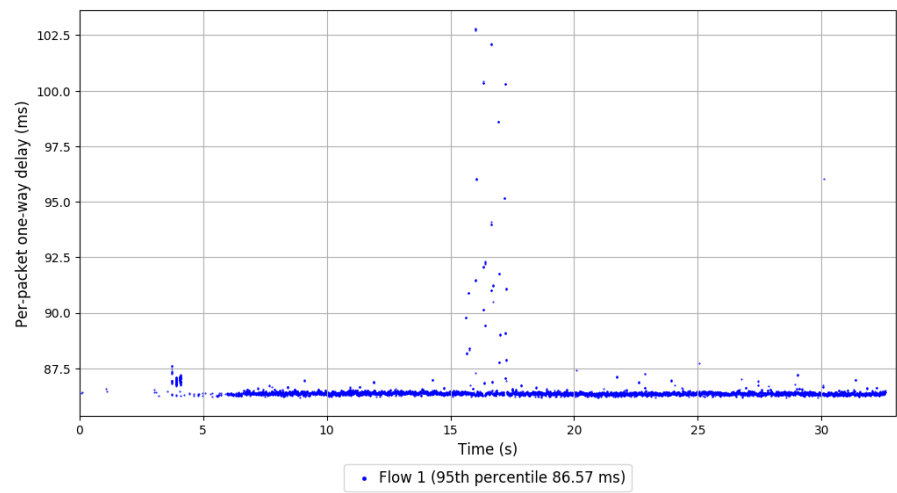
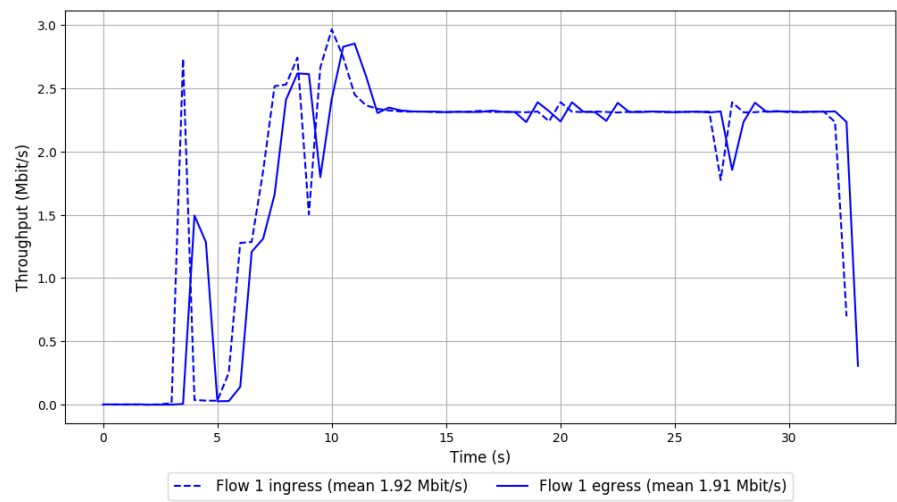


Run 5: Statistics of WebRTC media

Start at: 2018-07-10 09:20:03
End at: 2018-07-10 09:20:33
Local clock offset: 0.256 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-10 12:42:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 86.568 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 86.568 ms
Loss rate: 0.62%

Run 5: Report of WebRTC media — Data Link

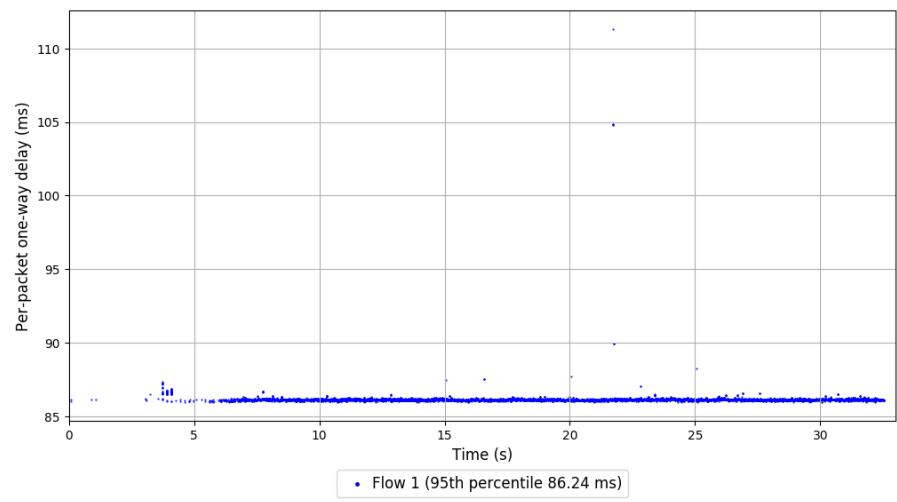
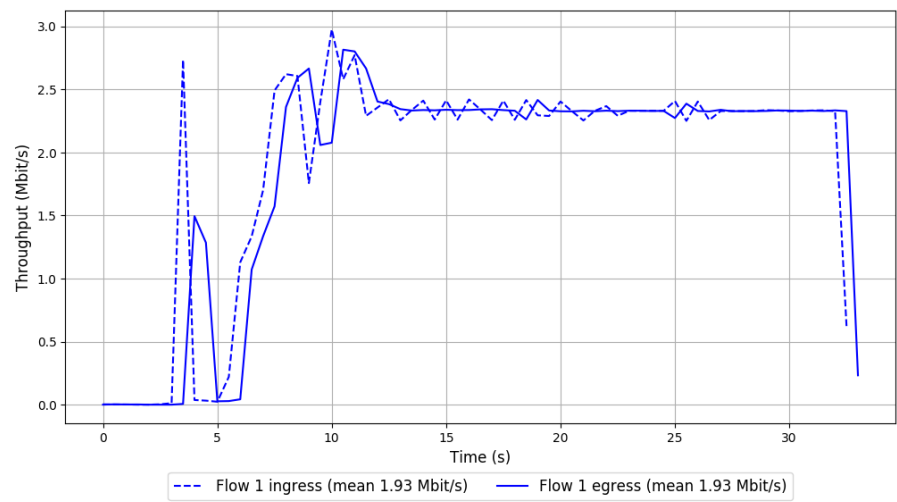


Run 6: Statistics of WebRTC media

Start at: 2018-07-10 09:41:40
End at: 2018-07-10 09:42:10
Local clock offset: 0.071 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-10 12:42:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 86.240 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 86.240 ms
Loss rate: 0.62%

Run 6: Report of WebRTC media — Data Link

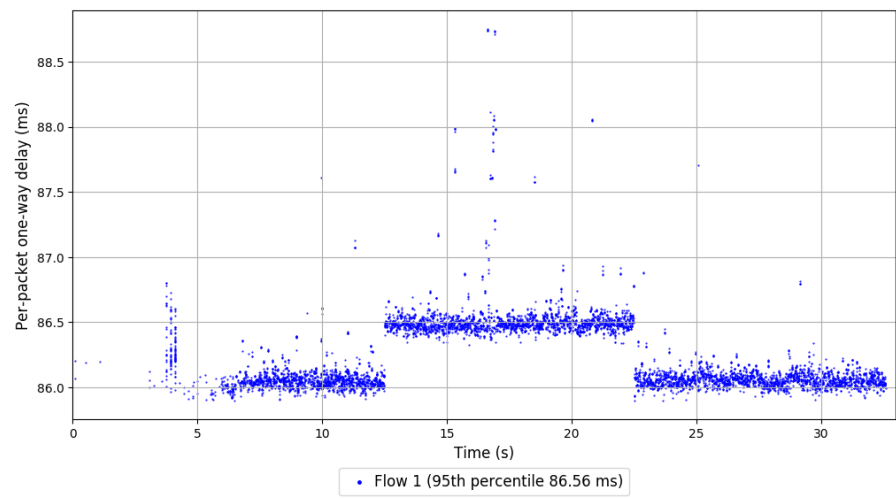
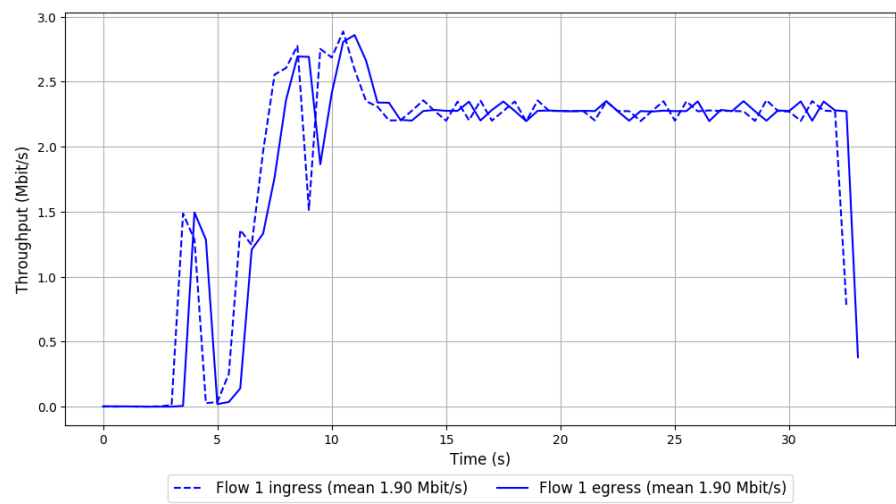


Run 7: Statistics of WebRTC media

Start at: 2018-07-10 10:03:07
End at: 2018-07-10 10:03:37
Local clock offset: -0.059 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-10 12:42:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 86.562 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 86.562 ms
Loss rate: 0.61%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-10 10:24:44

End at: 2018-07-10 10:25:14

Local clock offset: -0.005 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-07-10 12:42:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 86.583 ms

Loss rate: 0.68%

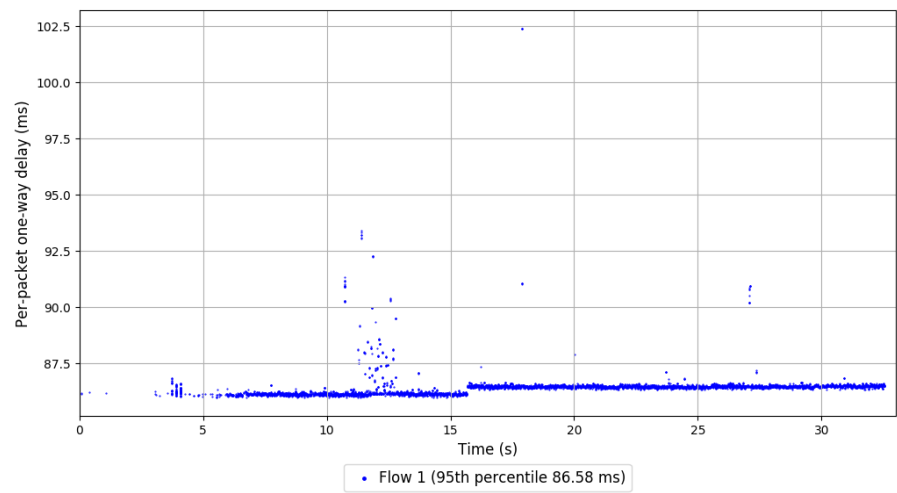
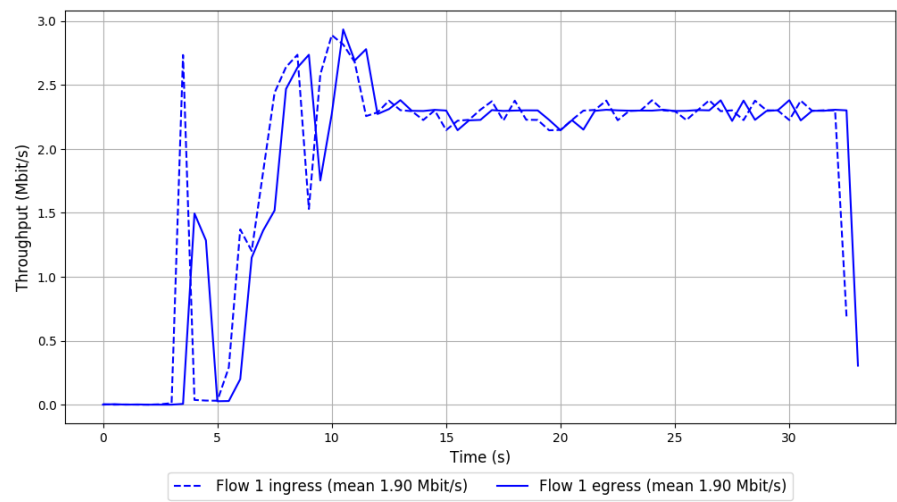
-- Flow 1:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 86.583 ms

Loss rate: 0.68%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-10 10:46:00

End at: 2018-07-10 10:46:30

Local clock offset: -0.107 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-10 12:42:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 86.575 ms

Loss rate: 0.68%

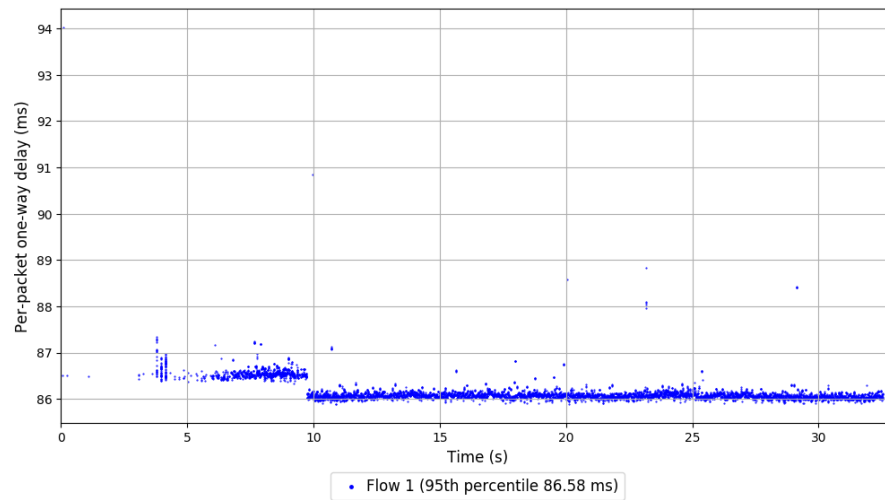
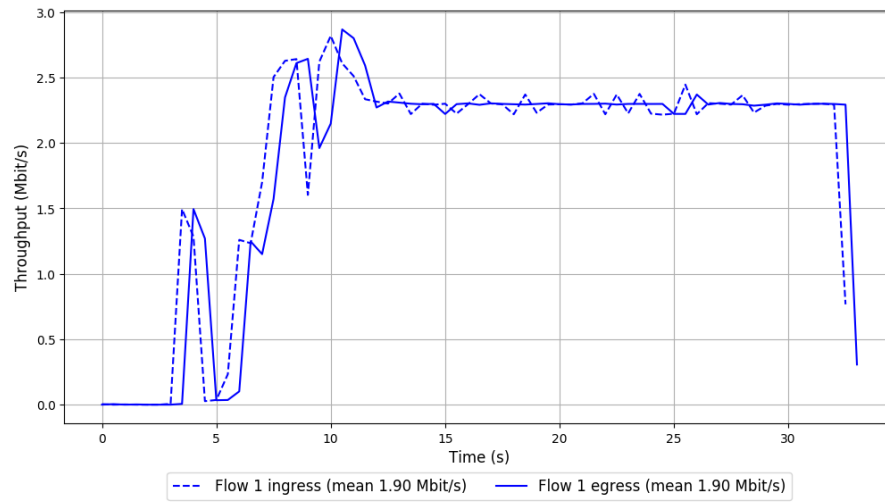
-- Flow 1:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 86.575 ms

Loss rate: 0.68%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

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

End at: 2018-07-10 11:08:18

Local clock offset: -0.034 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-10 12:42:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 86.356 ms

Loss rate: 0.90%

-- Flow 1:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 86.356 ms

Loss rate: 0.90%

Run 10: Report of WebRTC media — Data Link

