

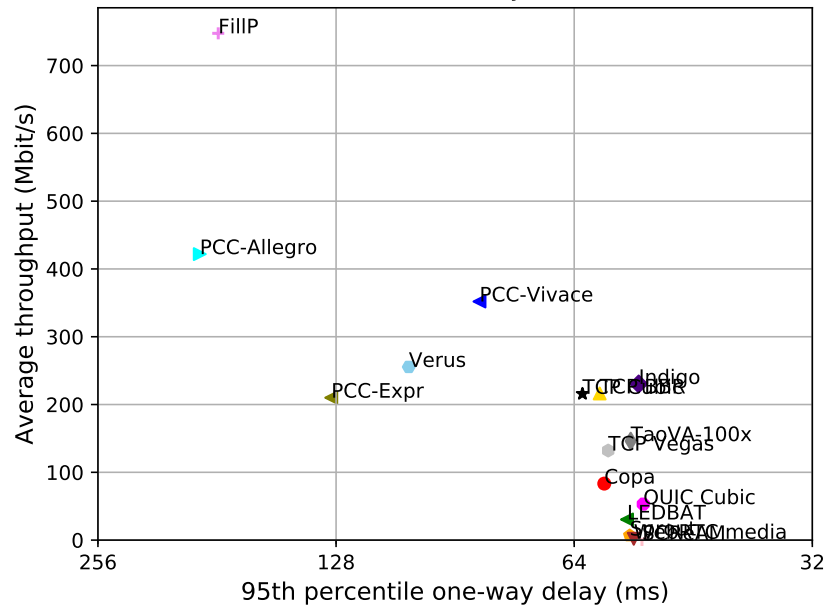
Pantheon Report

Generated at 2018-07-02 04:01:55 (UTC).
Data path: GCE Tokyo 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.

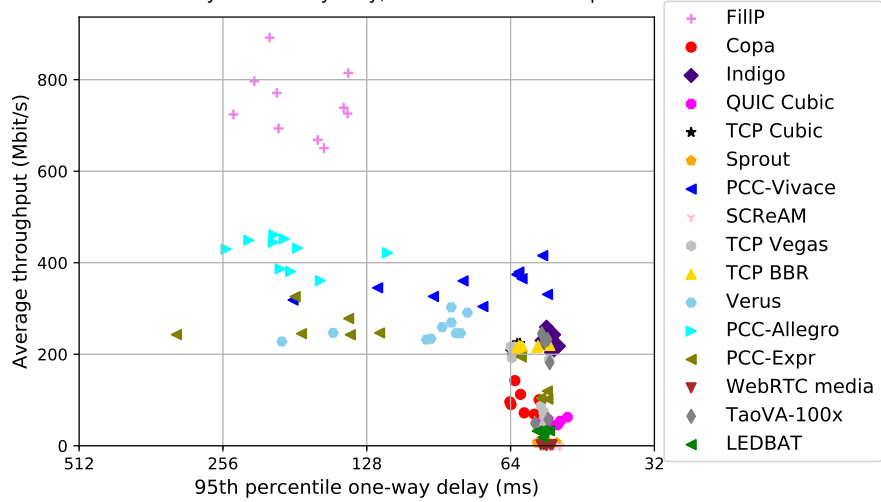
Git summary:

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

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



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	216.33	59.42	0.36
Copa	10	83.35	58.64	0.35
TCP Cubic	10	215.75	62.48	0.30
FillP	10	747.56	180.37	3.74
FillP-Sheep	0	N/A	N/A	N/A
Indigo	10	230.33	53.05	0.35
LEDBAT	10	30.42	54.88	0.72
PCC-Allegro	10	421.88	190.32	2.37
PCC-Expr	10	210.09	129.82	1.73
QUIC Cubic	10	53.09	52.35	0.54
SCReAM	10	0.21	52.54	0.37
Sprout	10	6.81	54.45	0.31
TaoVA-100x	7	146.03	54.29	0.51
TCP Vegas	10	132.09	57.97	0.28
Verus	10	255.46	103.58	1.54
PCC-Vivace	10	351.97	84.32	0.45
WebRTC media	10	1.92	53.81	0.40

Run 1: Statistics of TCP BBR

Start at: 2018-07-01 23:15:43

End at: 2018-07-01 23:16:13

Local clock offset: 0.331 ms

Remote clock offset: -1.202 ms

Below is generated by plot.py at 2018-07-02 02:45:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.78 Mbit/s

95th percentile per-packet one-way delay: 60.544 ms

Loss rate: 0.36%

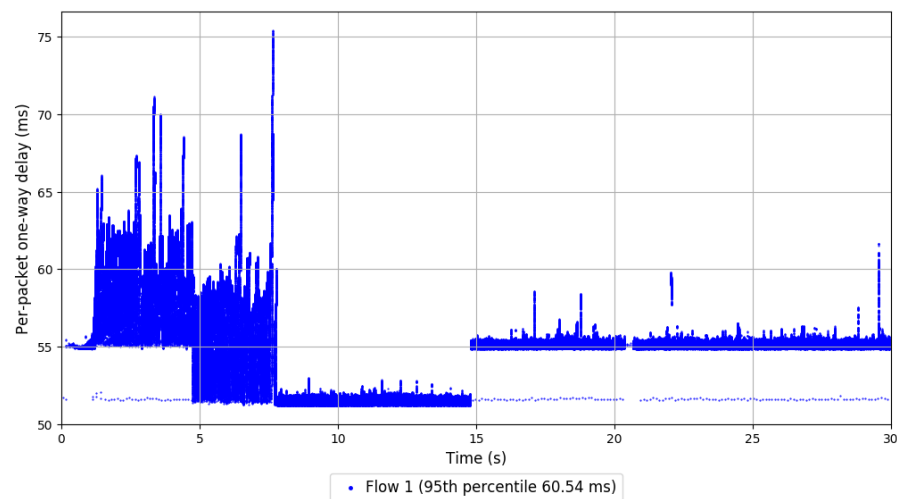
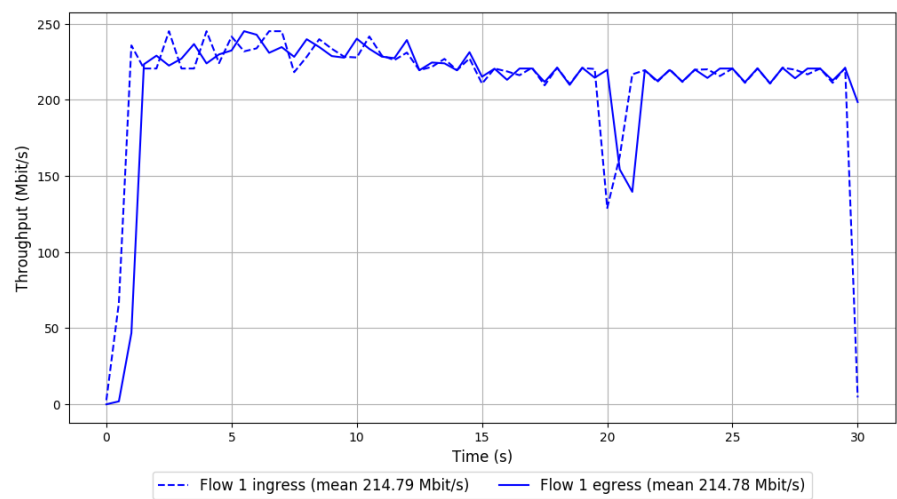
-- Flow 1:

Average throughput: 214.78 Mbit/s

95th percentile per-packet one-way delay: 60.544 ms

Loss rate: 0.36%

Run 1: Report of TCP BBR — Data Link

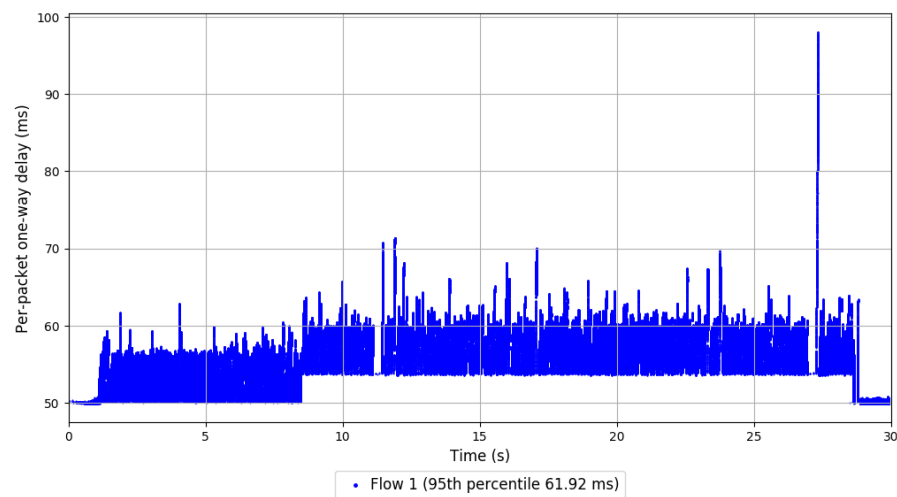
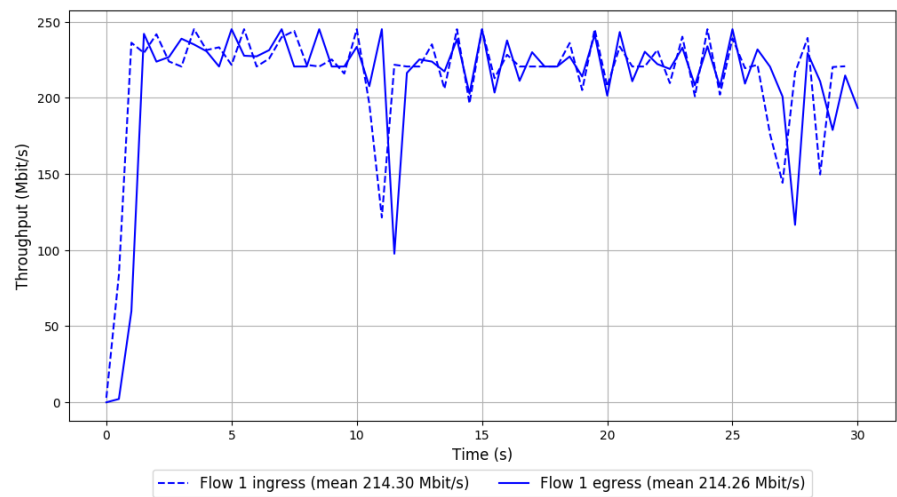


Run 2: Statistics of TCP BBR

Start at: 2018-07-01 23:37:10
End at: 2018-07-01 23:37:40
Local clock offset: 0.006 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-07-02 02:45:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 214.26 Mbit/s
95th percentile per-packet one-way delay: 61.924 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 214.26 Mbit/s
95th percentile per-packet one-way delay: 61.924 ms
Loss rate: 0.37%

Run 2: Report of TCP BBR — Data Link

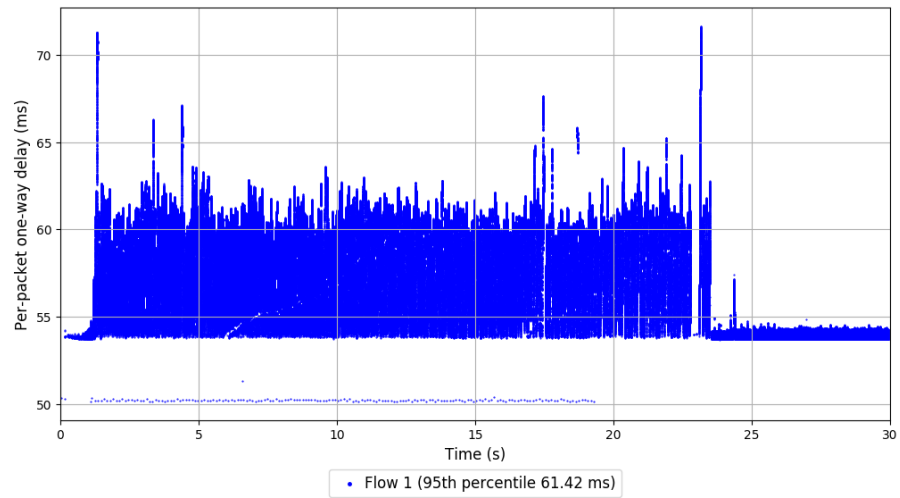
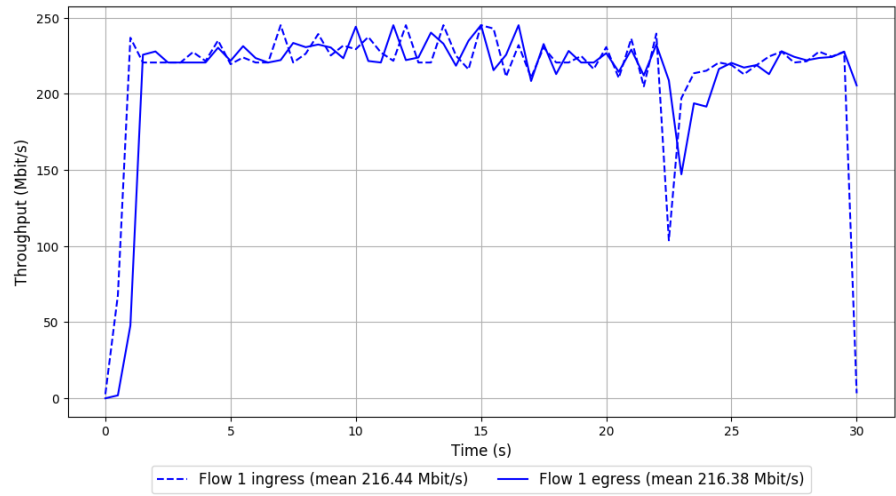


Run 3: Statistics of TCP BBR

Start at: 2018-07-01 23:58:39
End at: 2018-07-01 23:59:09
Local clock offset: -0.127 ms
Remote clock offset: -0.407 ms

Below is generated by plot.py at 2018-07-02 02:45:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.38 Mbit/s
95th percentile per-packet one-way delay: 61.417 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 216.38 Mbit/s
95th percentile per-packet one-way delay: 61.417 ms
Loss rate: 0.37%

Run 3: Report of TCP BBR — Data Link

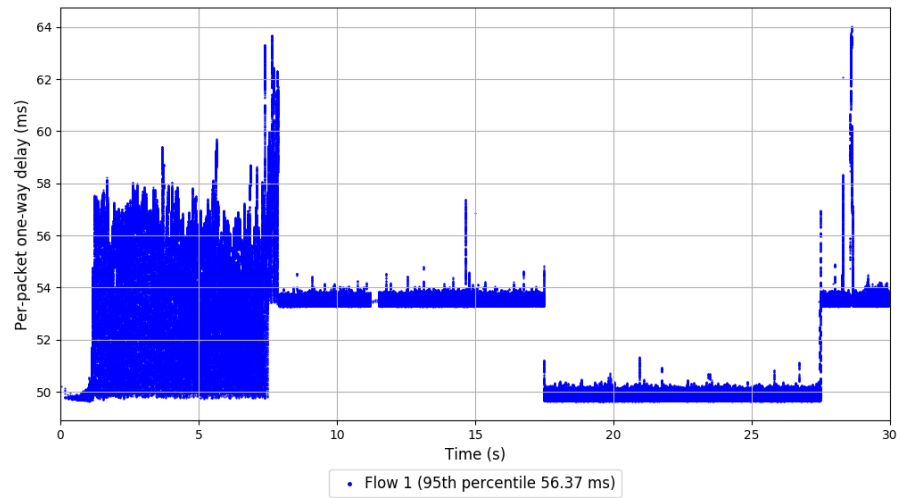
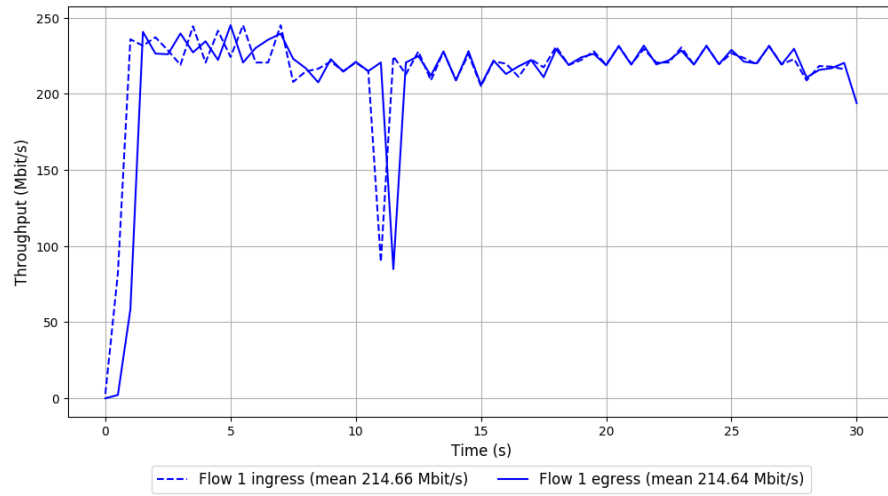


Run 4: Statistics of TCP BBR

Start at: 2018-07-02 00:20:11
End at: 2018-07-02 00:20:41
Local clock offset: -0.118 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-02 02:45:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 214.64 Mbit/s
95th percentile per-packet one-way delay: 56.371 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 214.64 Mbit/s
95th percentile per-packet one-way delay: 56.371 ms
Loss rate: 0.34%

Run 4: Report of TCP BBR — Data Link

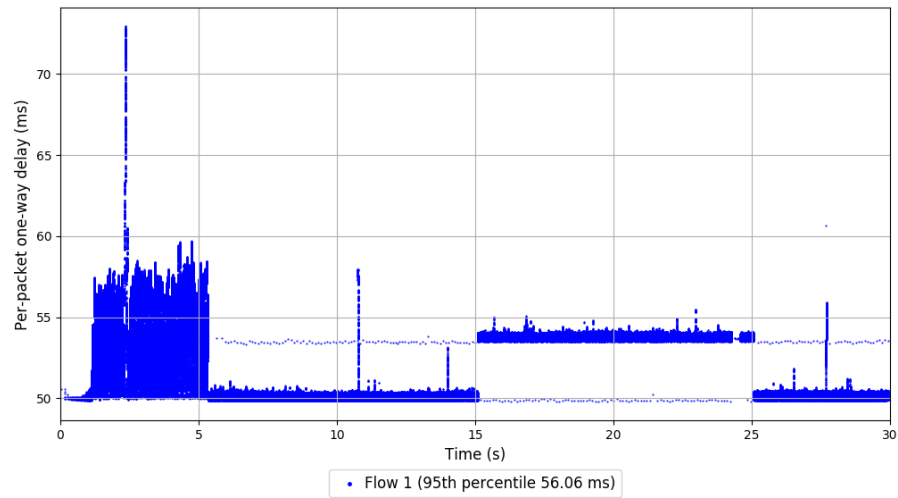
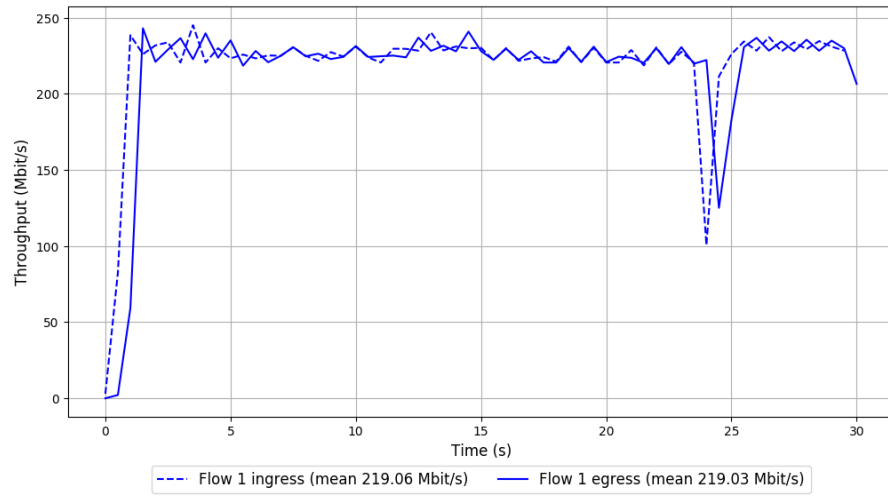


Run 5: Statistics of TCP BBR

Start at: 2018-07-02 00:41:13
End at: 2018-07-02 00:41:43
Local clock offset: 0.014 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-07-02 02:45:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.03 Mbit/s
95th percentile per-packet one-way delay: 56.063 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 219.03 Mbit/s
95th percentile per-packet one-way delay: 56.063 ms
Loss rate: 0.35%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-02 01:02:23

End at: 2018-07-02 01:02:53

Local clock offset: -0.078 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-07-02 02:45:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.47 Mbit/s

95th percentile per-packet one-way delay: 60.354 ms

Loss rate: 0.37%

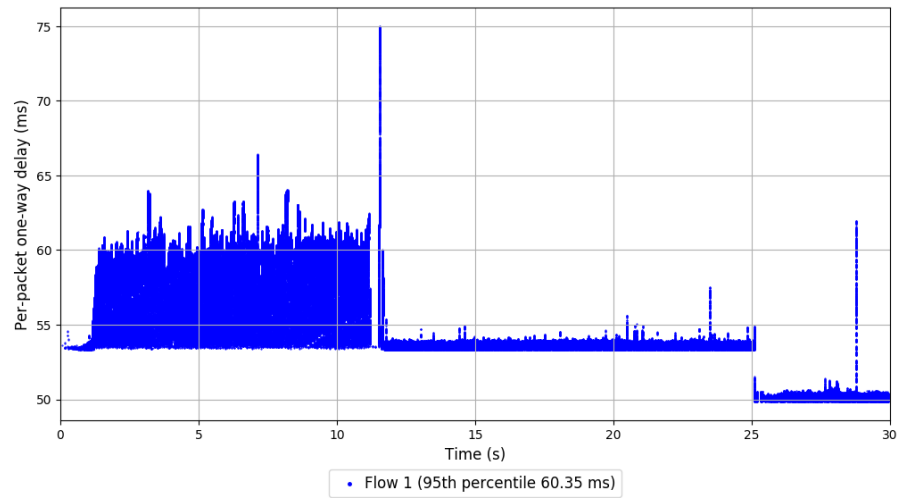
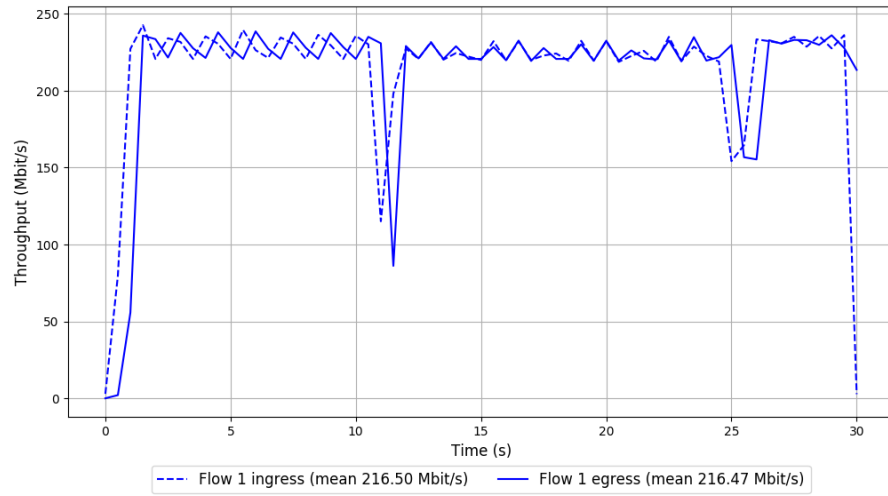
-- Flow 1:

Average throughput: 216.47 Mbit/s

95th percentile per-packet one-way delay: 60.354 ms

Loss rate: 0.37%

Run 6: Report of TCP BBR — Data Link

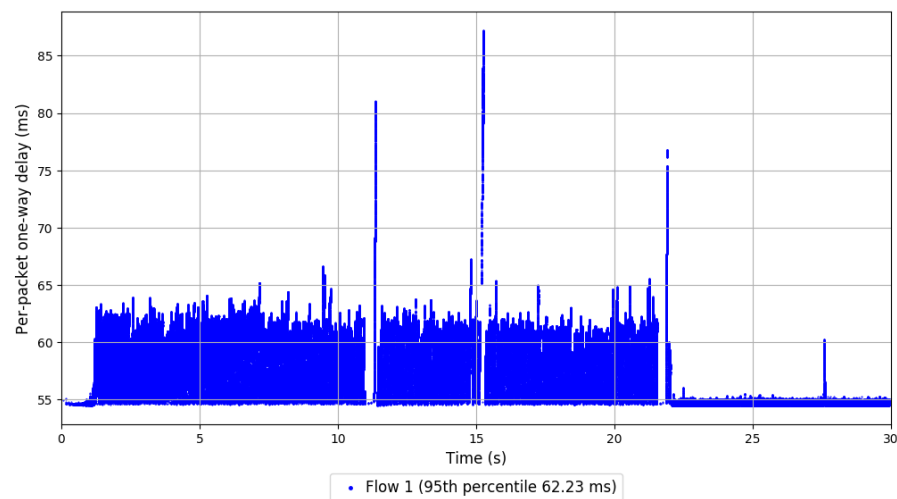
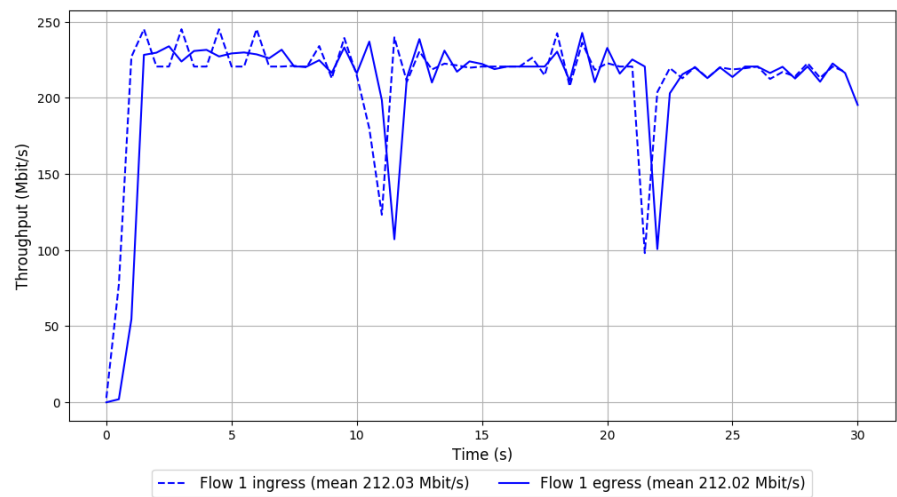


Run 7: Statistics of TCP BBR

Start at: 2018-07-02 01:23:48
End at: 2018-07-02 01:24:18
Local clock offset: -0.285 ms
Remote clock offset: -1.308 ms

Below is generated by plot.py at 2018-07-02 02:45:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 212.02 Mbit/s
95th percentile per-packet one-way delay: 62.234 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 212.02 Mbit/s
95th percentile per-packet one-way delay: 62.234 ms
Loss rate: 0.36%

Run 7: Report of TCP BBR — Data Link

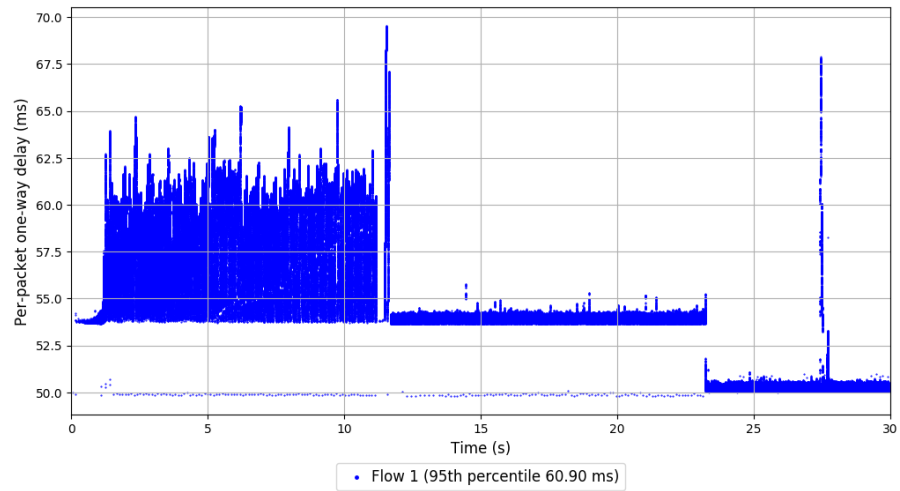
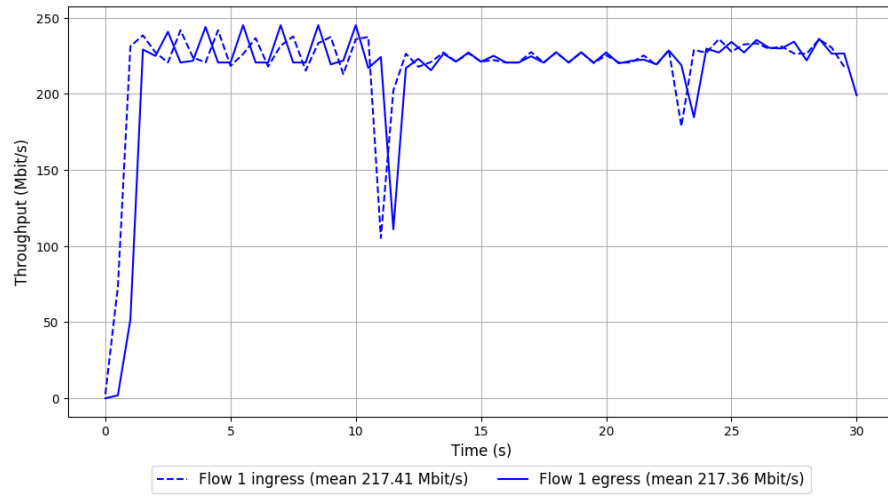


Run 8: Statistics of TCP BBR

Start at: 2018-07-02 01:44:45
End at: 2018-07-02 01:45:15
Local clock offset: -0.137 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-07-02 02:45:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.36 Mbit/s
95th percentile per-packet one-way delay: 60.895 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 217.36 Mbit/s
95th percentile per-packet one-way delay: 60.895 ms
Loss rate: 0.37%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-02 02:06:09

End at: 2018-07-02 02:06:39

Local clock offset: 0.071 ms

Remote clock offset: 1.224 ms

Below is generated by plot.py at 2018-07-02 02:48:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.29 Mbit/s

95th percentile per-packet one-way delay: 52.973 ms

Loss rate: 0.37%

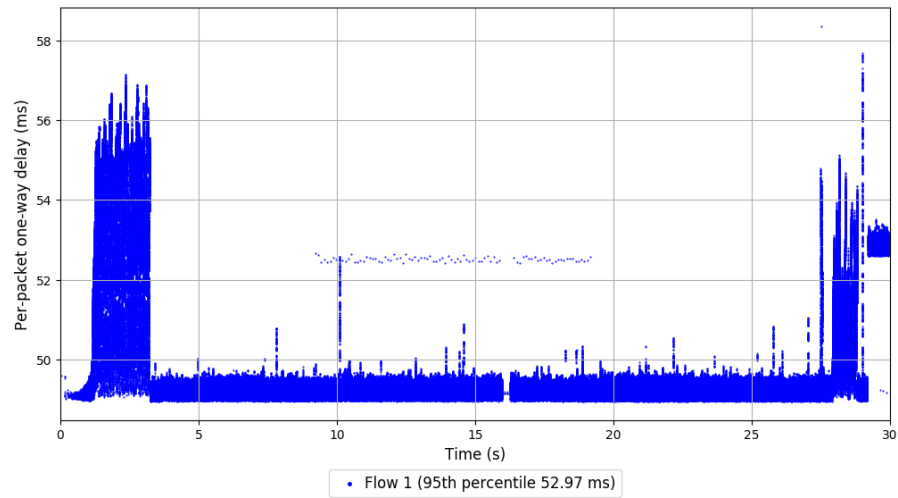
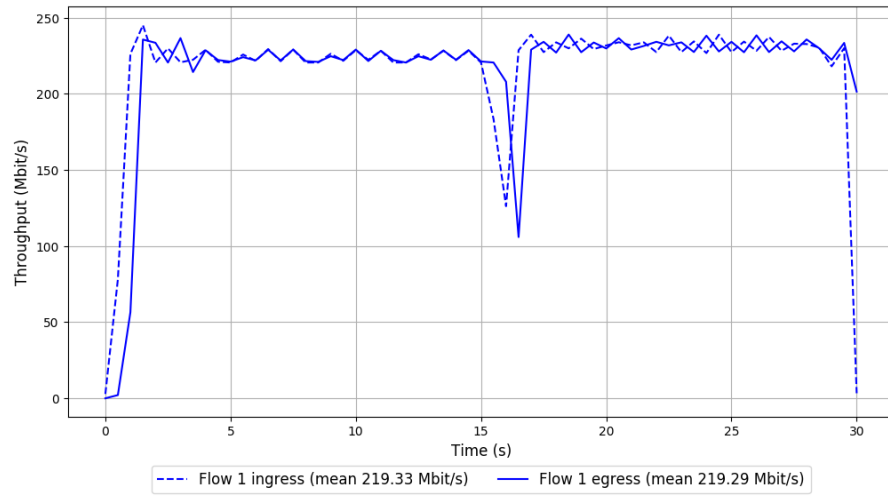
-- Flow 1:

Average throughput: 219.29 Mbit/s

95th percentile per-packet one-way delay: 52.973 ms

Loss rate: 0.37%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-02 02:27:18

End at: 2018-07-02 02:27:48

Local clock offset: 0.079 ms

Remote clock offset: -0.455 ms

Below is generated by plot.py at 2018-07-02 02:48:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.12 Mbit/s

95th percentile per-packet one-way delay: 61.474 ms

Loss rate: 0.37%

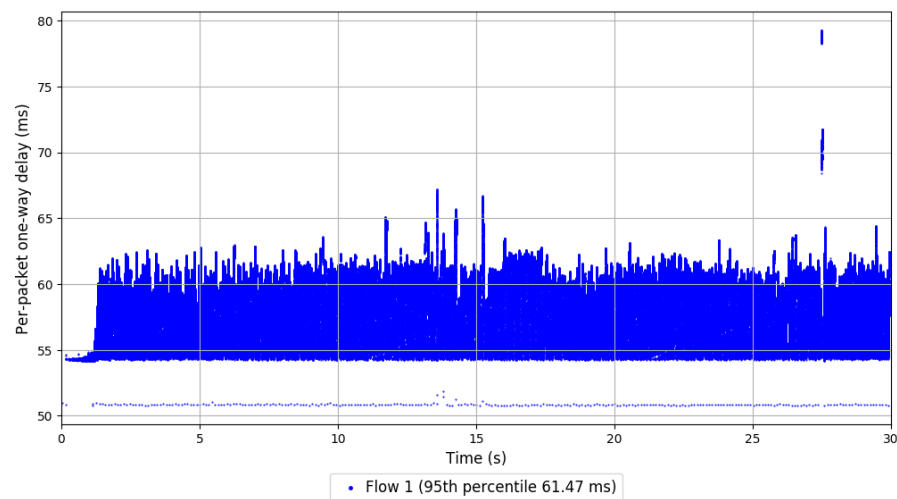
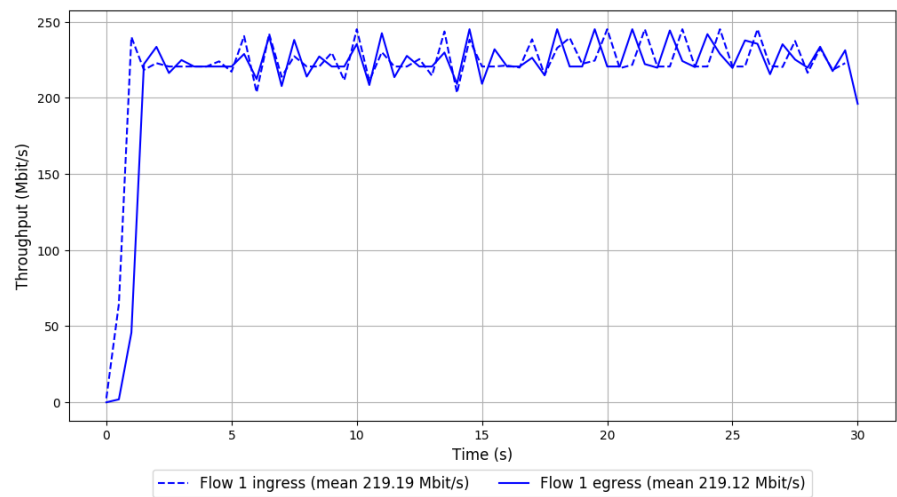
-- Flow 1:

Average throughput: 219.12 Mbit/s

95th percentile per-packet one-way delay: 61.474 ms

Loss rate: 0.37%

Run 10: Report of TCP BBR — Data Link

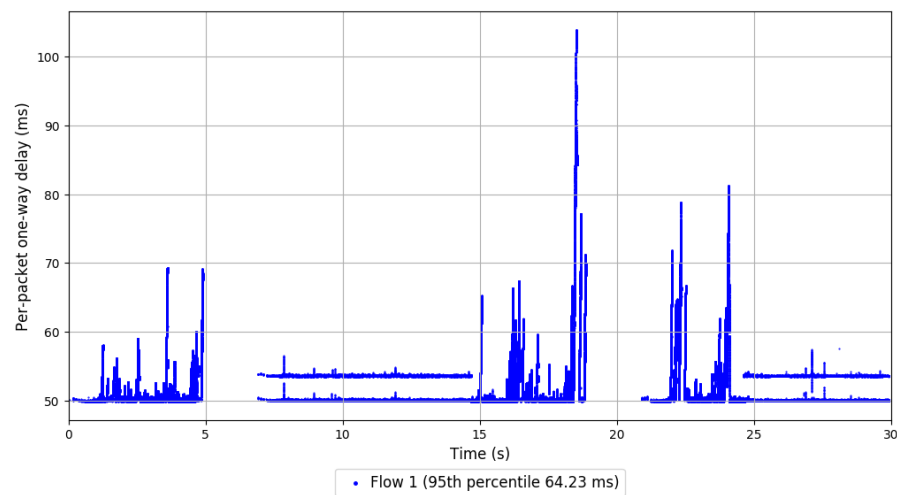
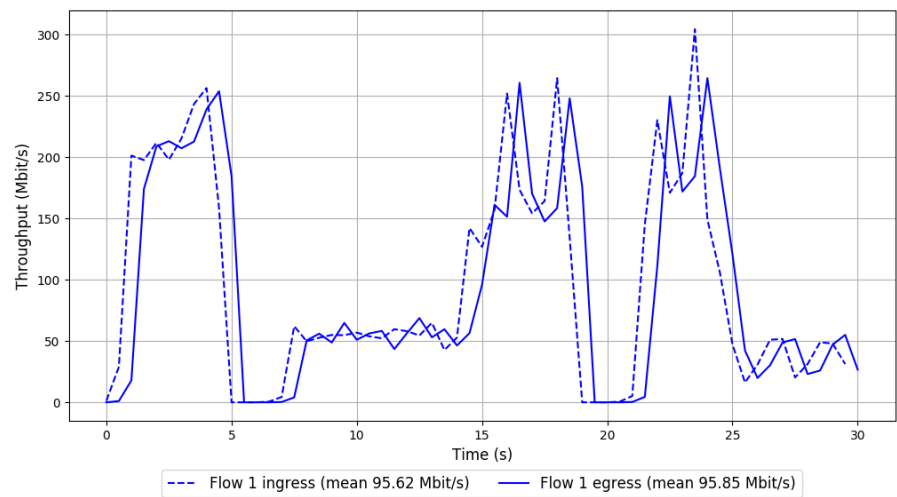


Run 1: Statistics of Copa

Start at: 2018-07-01 23:13:23
End at: 2018-07-01 23:13:53
Local clock offset: 0.182 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-02 02:48:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.85 Mbit/s
95th percentile per-packet one-way delay: 64.229 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 95.85 Mbit/s
95th percentile per-packet one-way delay: 64.229 ms
Loss rate: 0.11%

Run 1: Report of Copa — Data Link

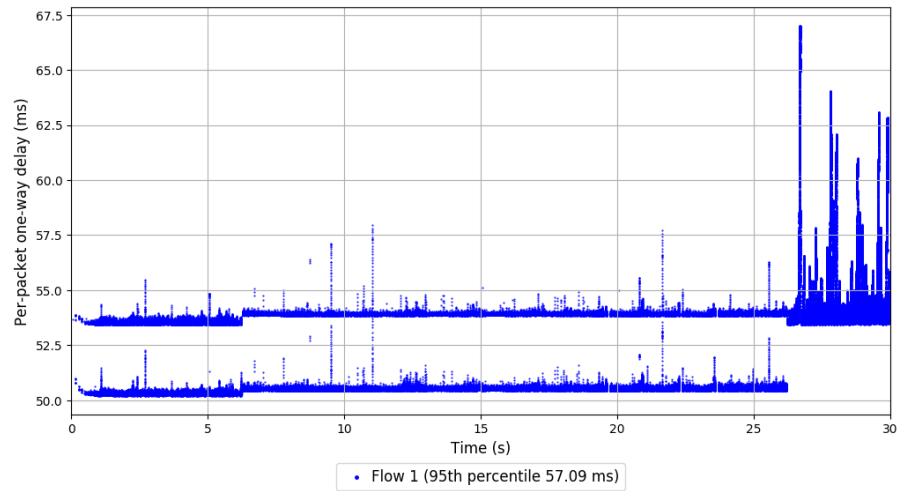
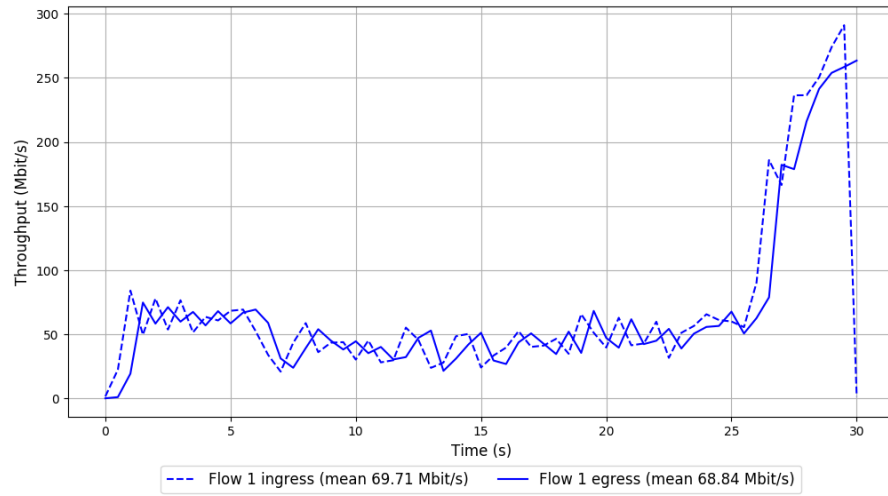


Run 2: Statistics of Copa

Start at: 2018-07-01 23:34:52
End at: 2018-07-01 23:35:22
Local clock offset: 0.371 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-07-02 02:48:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.84 Mbit/s
95th percentile per-packet one-way delay: 57.089 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 68.84 Mbit/s
95th percentile per-packet one-way delay: 57.089 ms
Loss rate: 1.59%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-01 23:56:23

End at: 2018-07-01 23:56:53

Local clock offset: 0.173 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-02 02:48:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.42 Mbit/s

95th percentile per-packet one-way delay: 53.863 ms

Loss rate: 0.37%

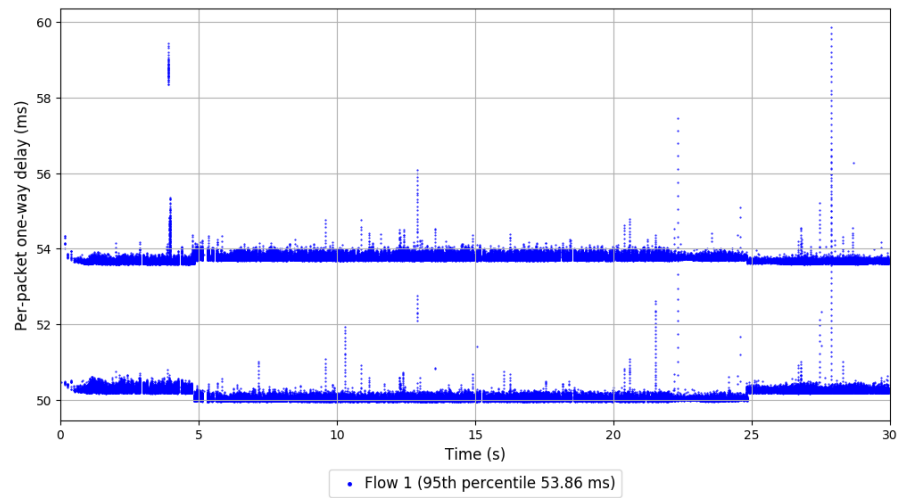
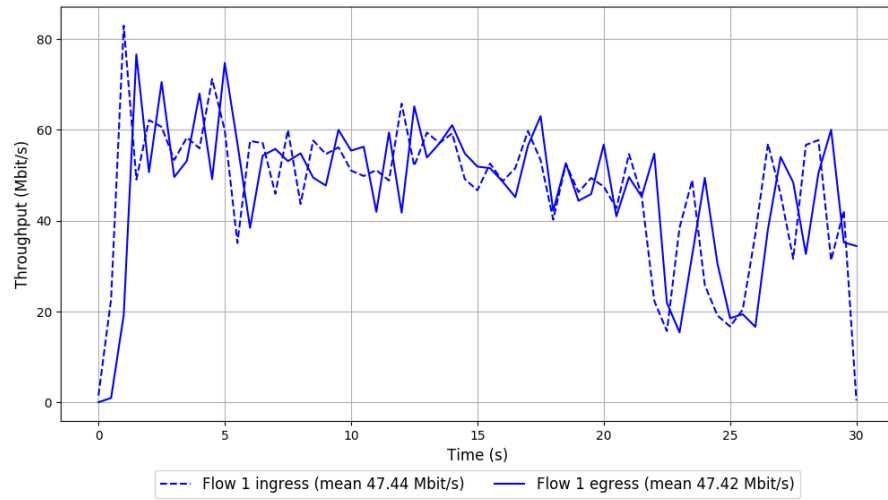
-- Flow 1:

Average throughput: 47.42 Mbit/s

95th percentile per-packet one-way delay: 53.863 ms

Loss rate: 0.37%

Run 3: Report of Copa — Data Link

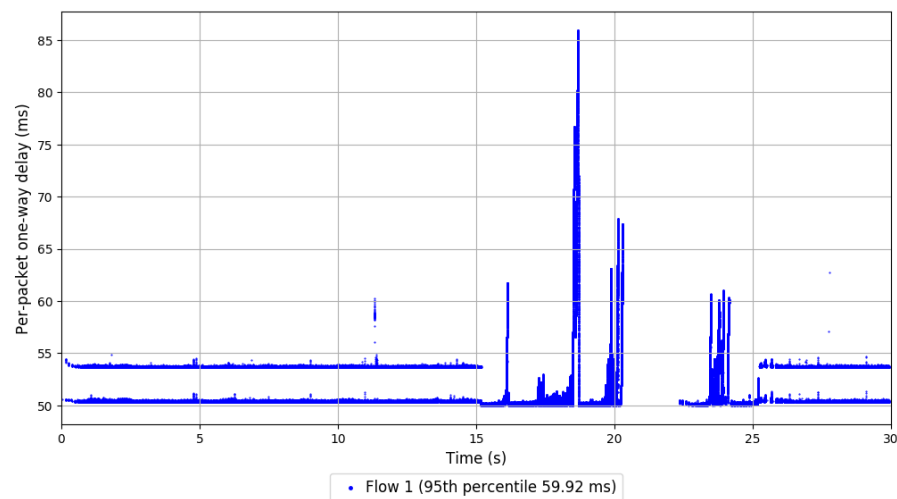
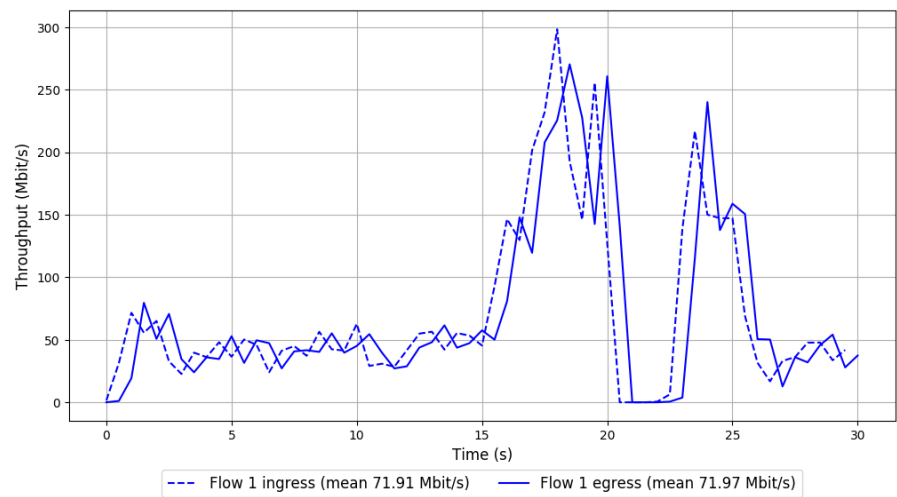


Run 4: Statistics of Copa

Start at: 2018-07-02 00:17:53
End at: 2018-07-02 00:18:23
Local clock offset: 0.191 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-07-02 02:48:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.97 Mbit/s
95th percentile per-packet one-way delay: 59.923 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 71.97 Mbit/s
95th percentile per-packet one-way delay: 59.923 ms
Loss rate: 0.26%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-02 00:38:54

End at: 2018-07-02 00:39:24

Local clock offset: 0.008 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-07-02 02:48:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 112.34 Mbit/s

95th percentile per-packet one-way delay: 61.004 ms

Loss rate: 0.00%

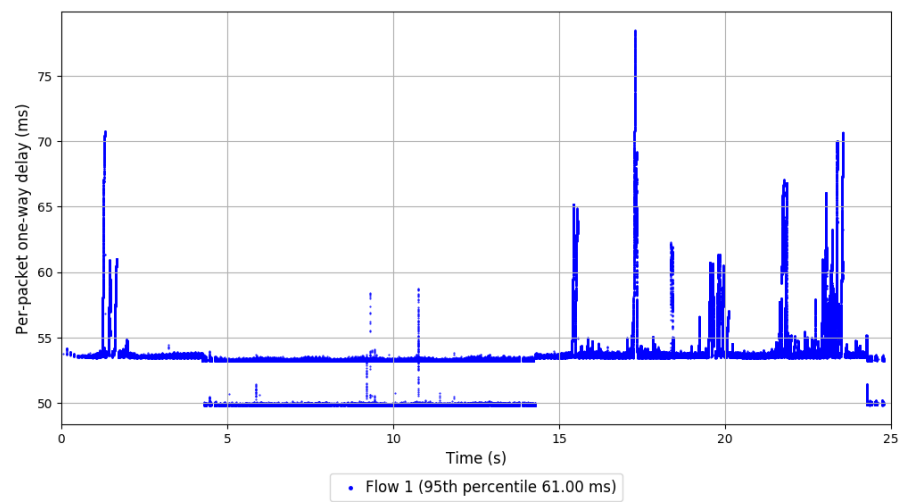
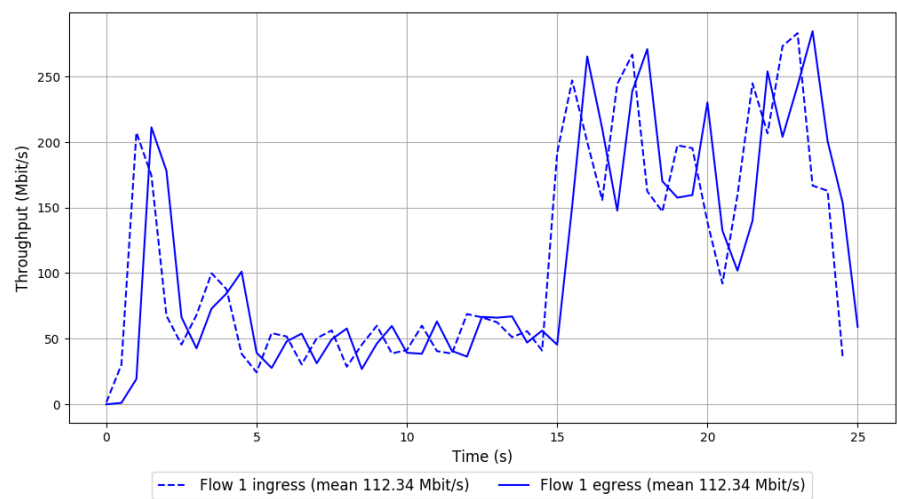
-- Flow 1:

Average throughput: 112.34 Mbit/s

95th percentile per-packet one-way delay: 61.004 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-02 01:00:08

End at: 2018-07-02 01:00:38

Local clock offset: 0.129 ms

Remote clock offset: -0.51 ms

Below is generated by plot.py at 2018-07-02 02:48:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.15 Mbit/s

95th percentile per-packet one-way delay: 54.121 ms

Loss rate: 0.21%

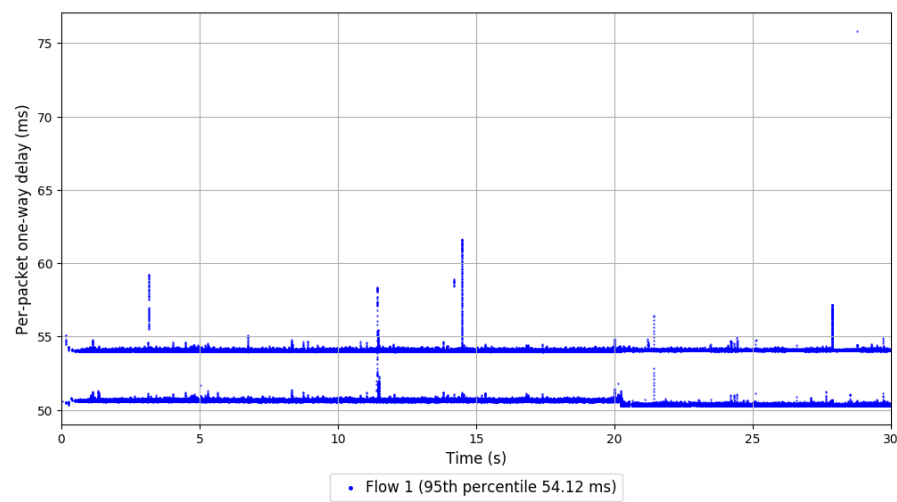
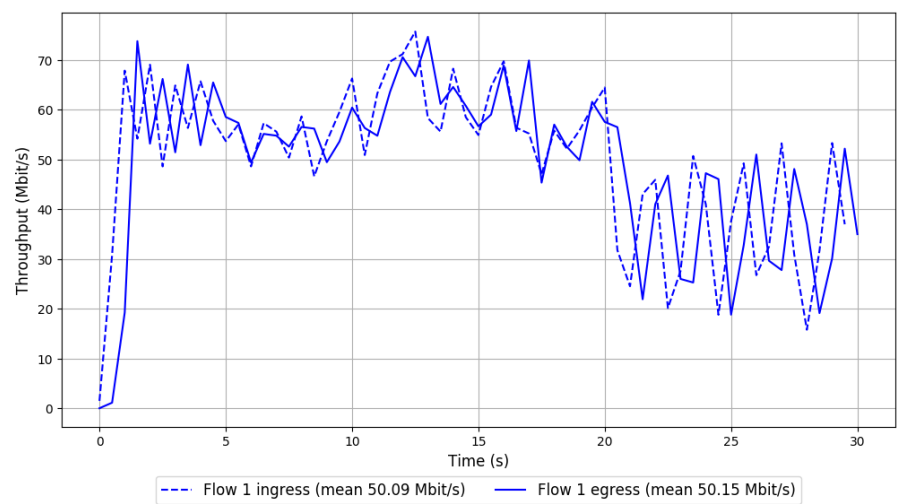
-- Flow 1:

Average throughput: 50.15 Mbit/s

95th percentile per-packet one-way delay: 54.121 ms

Loss rate: 0.21%

Run 6: Report of Copa — Data Link

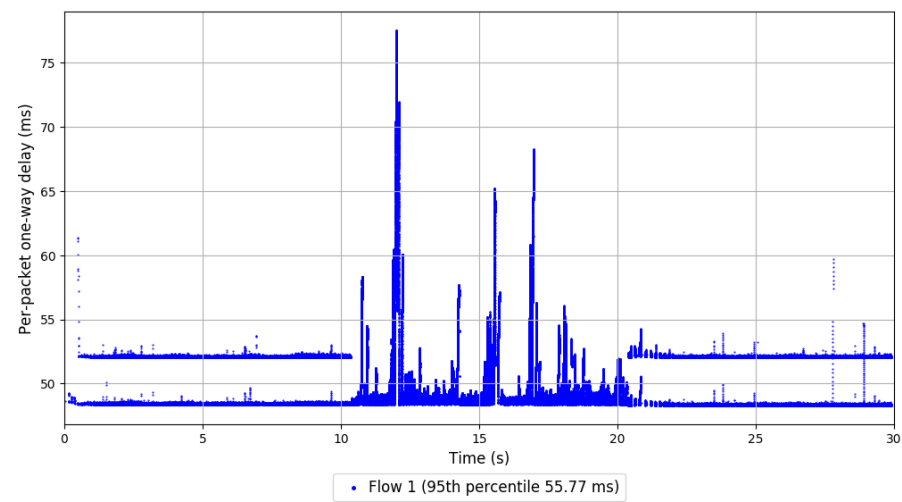
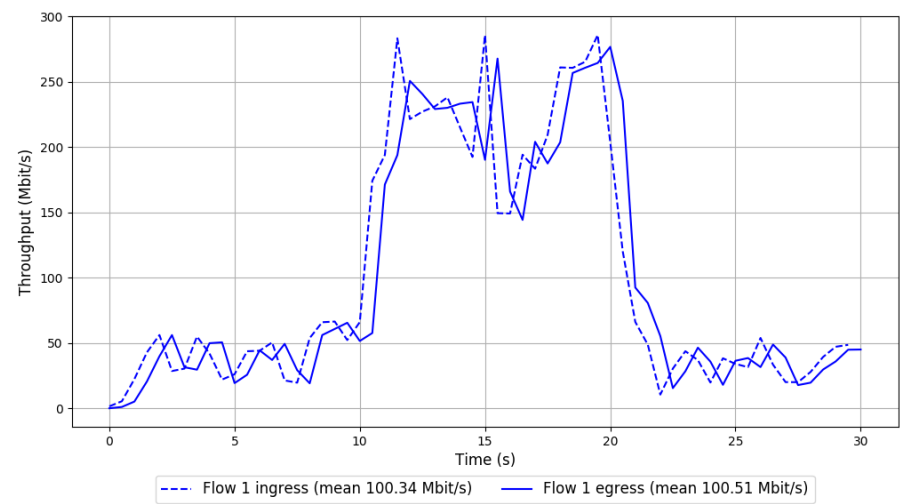


Run 7: Statistics of Copa

Start at: 2018-07-02 01:21:28
End at: 2018-07-02 01:21:58
Local clock offset: -0.182 ms
Remote clock offset: 1.242 ms

Below is generated by plot.py at 2018-07-02 02:49:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 100.51 Mbit/s
95th percentile per-packet one-way delay: 55.772 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 100.51 Mbit/s
95th percentile per-packet one-way delay: 55.772 ms
Loss rate: 0.18%

Run 7: Report of Copa — Data Link

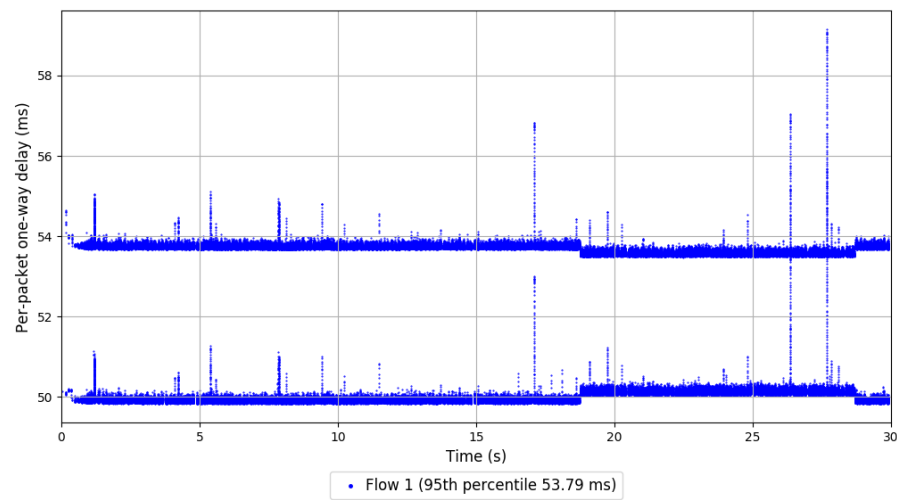
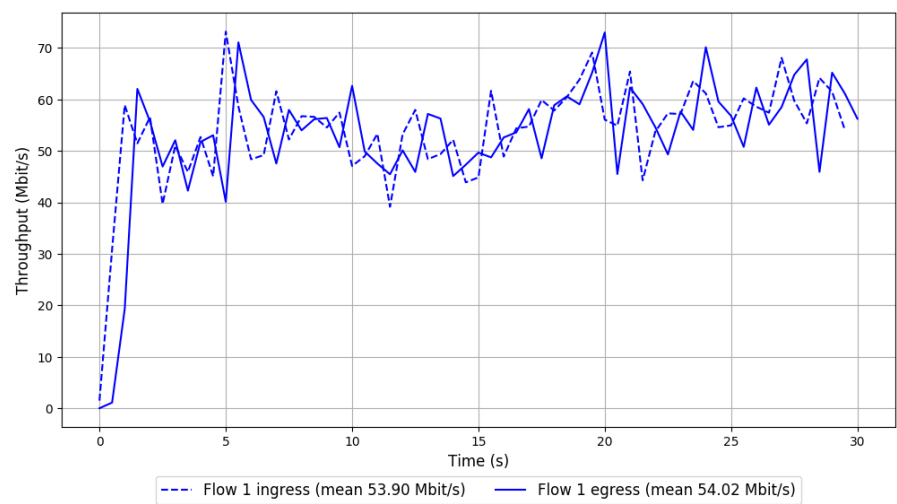


Run 8: Statistics of Copa

Start at: 2018-07-02 01:42:29
End at: 2018-07-02 01:42:59
Local clock offset: -0.048 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-02 02:49:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 54.02 Mbit/s
95th percentile per-packet one-way delay: 53.787 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 54.02 Mbit/s
95th percentile per-packet one-way delay: 53.787 ms
Loss rate: 0.21%

Run 8: Report of Copa — Data Link

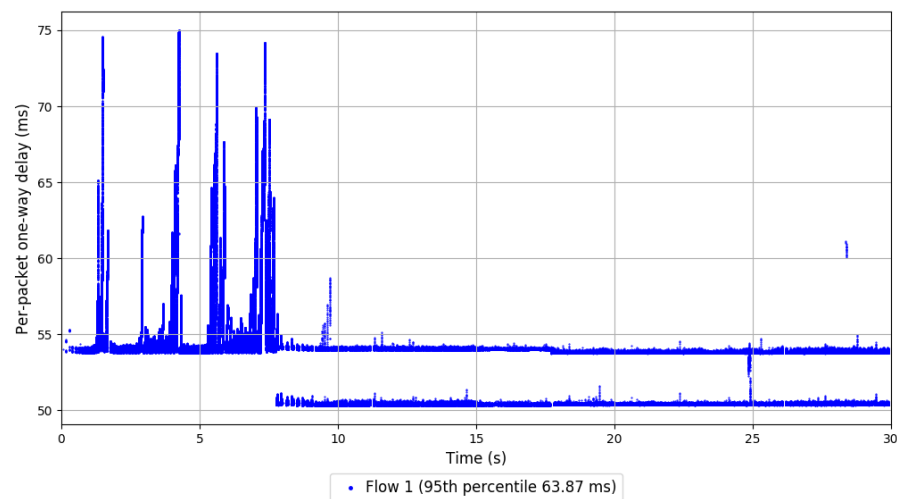
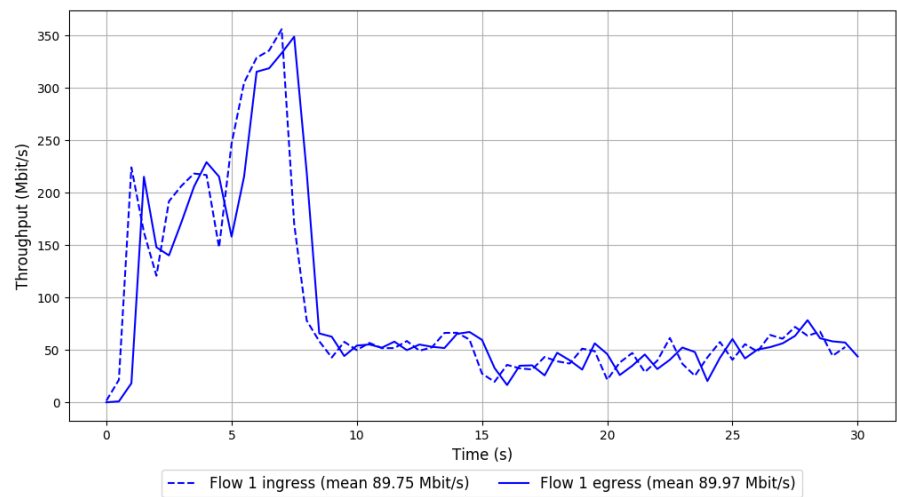


Run 9: Statistics of Copa

Start at: 2018-07-02 02:03:50
End at: 2018-07-02 02:04:20
Local clock offset: -0.118 ms
Remote clock offset: -0.331 ms

Below is generated by plot.py at 2018-07-02 02:50:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.97 Mbit/s
95th percentile per-packet one-way delay: 63.867 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 89.97 Mbit/s
95th percentile per-packet one-way delay: 63.867 ms
Loss rate: 0.17%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-02 02:24:54

End at: 2018-07-02 02:25:24

Local clock offset: -0.261 ms

Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-02 02:52:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 142.43 Mbit/s

95th percentile per-packet one-way delay: 62.697 ms

Loss rate: 0.40%

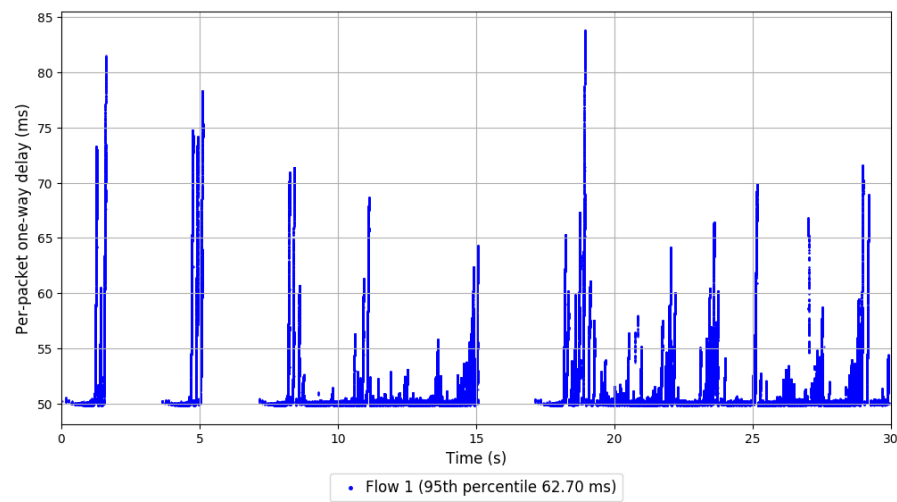
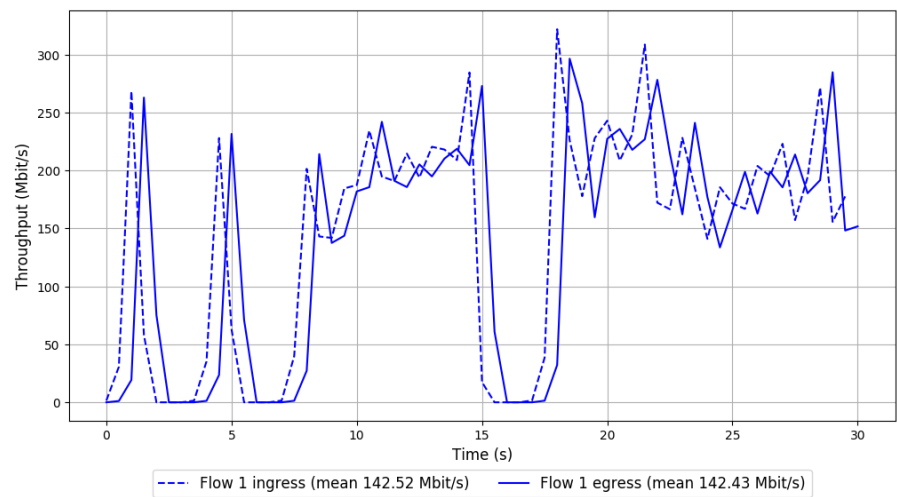
-- Flow 1:

Average throughput: 142.43 Mbit/s

95th percentile per-packet one-way delay: 62.697 ms

Loss rate: 0.40%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

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

End at: 2018-07-01 23:07:34

Local clock offset: -0.036 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-02 02:52:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.54 Mbit/s

95th percentile per-packet one-way delay: 61.052 ms

Loss rate: 0.25%

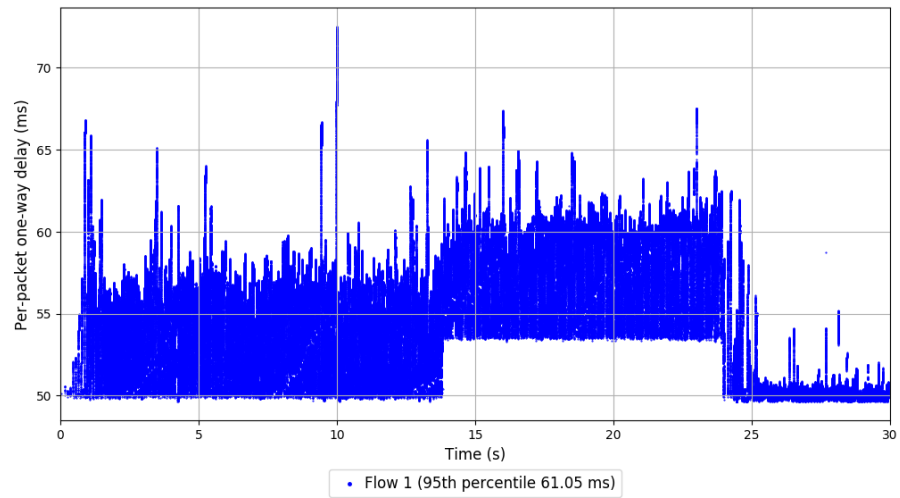
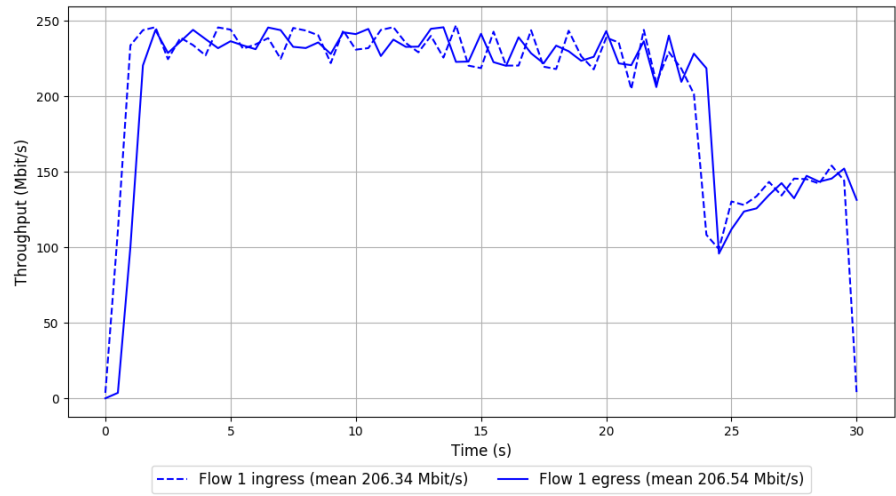
-- Flow 1:

Average throughput: 206.54 Mbit/s

95th percentile per-packet one-way delay: 61.052 ms

Loss rate: 0.25%

Run 1: Report of TCP Cubic — Data Link

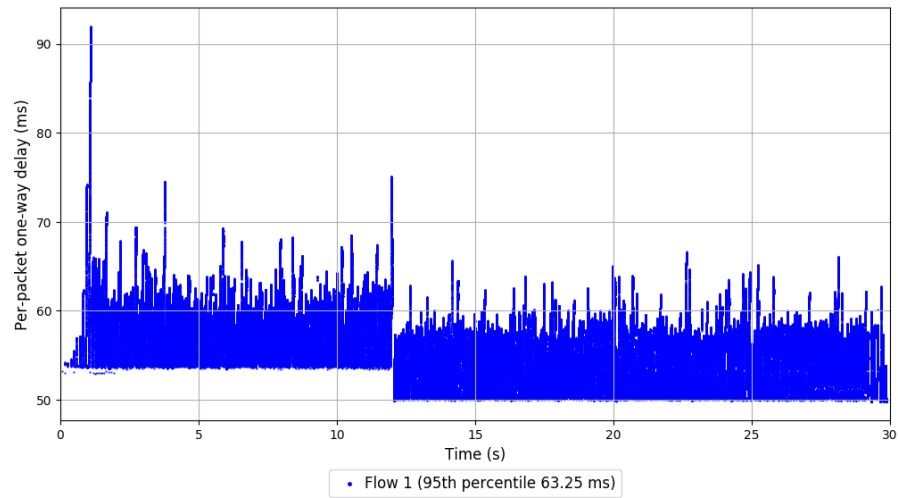
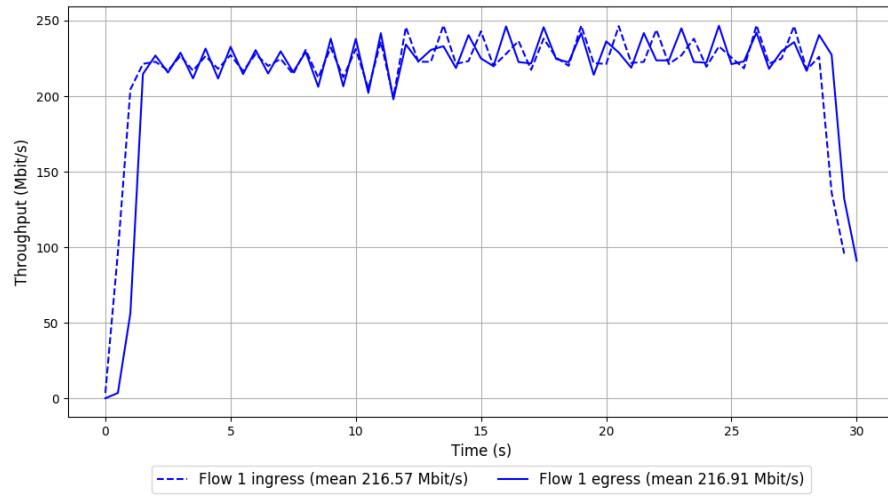


Run 2: Statistics of TCP Cubic

Start at: 2018-07-01 23:28:26
End at: 2018-07-01 23:28:56
Local clock offset: -0.136 ms
Remote clock offset: -0.235 ms

Below is generated by plot.py at 2018-07-02 02:52:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.91 Mbit/s
95th percentile per-packet one-way delay: 63.253 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 216.91 Mbit/s
95th percentile per-packet one-way delay: 63.253 ms
Loss rate: 0.22%

Run 2: Report of TCP Cubic — Data Link

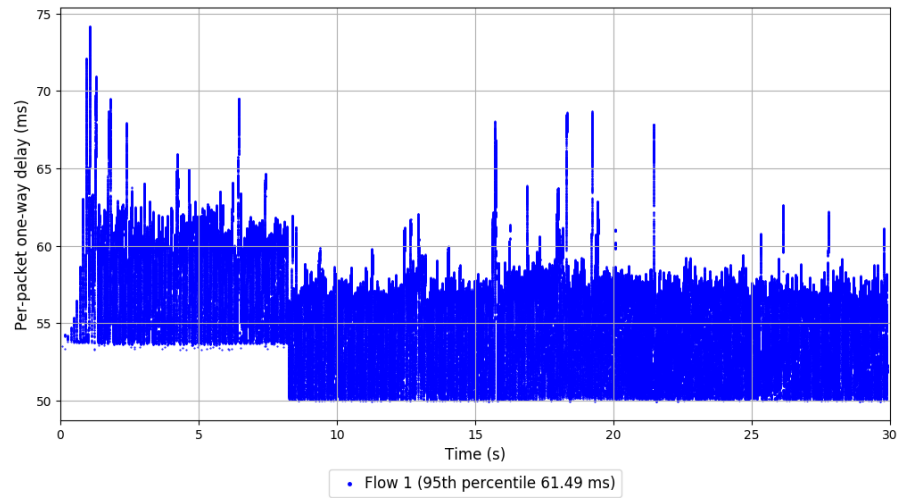
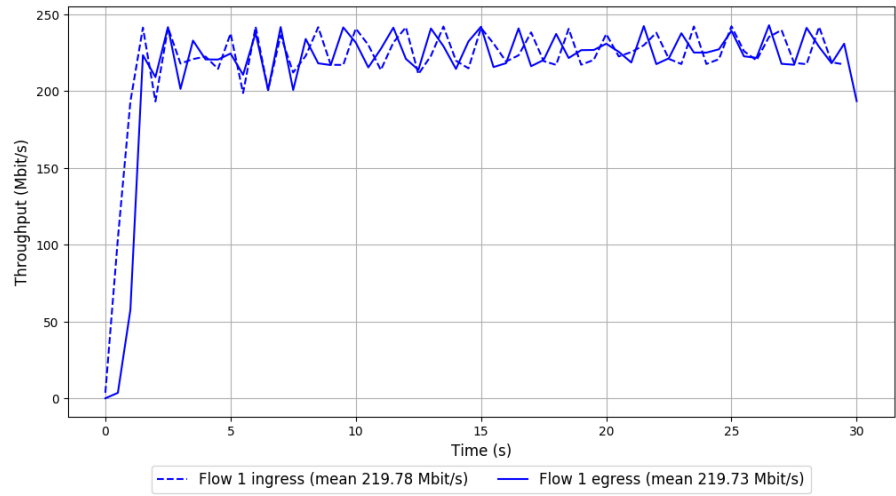


Run 3: Statistics of TCP Cubic

Start at: 2018-07-01 23:50:10
End at: 2018-07-01 23:50:40
Local clock offset: 0.093 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-02 02:52:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.73 Mbit/s
95th percentile per-packet one-way delay: 61.489 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 219.73 Mbit/s
95th percentile per-packet one-way delay: 61.489 ms
Loss rate: 0.37%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-02 00:11:29

End at: 2018-07-02 00:11:59

Local clock offset: 0.254 ms

Remote clock offset: 1.413 ms

Below is generated by plot.py at 2018-07-02 02:52:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.84 Mbit/s

95th percentile per-packet one-way delay: 61.191 ms

Loss rate: 0.39%

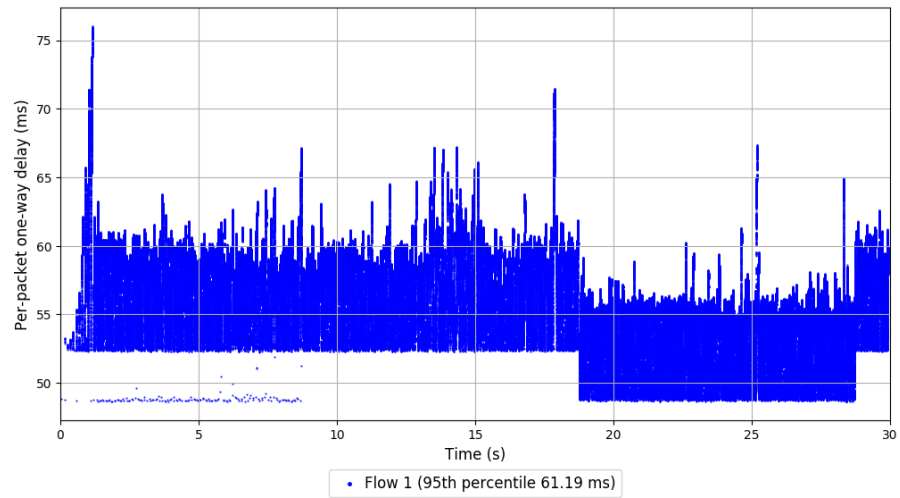
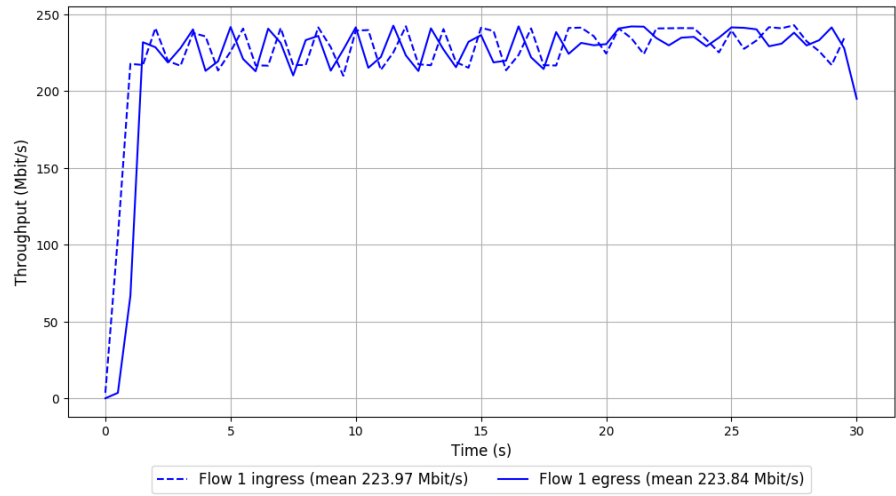
-- Flow 1:

Average throughput: 223.84 Mbit/s

95th percentile per-packet one-way delay: 61.191 ms

Loss rate: 0.39%

Run 4: Report of TCP Cubic — Data Link

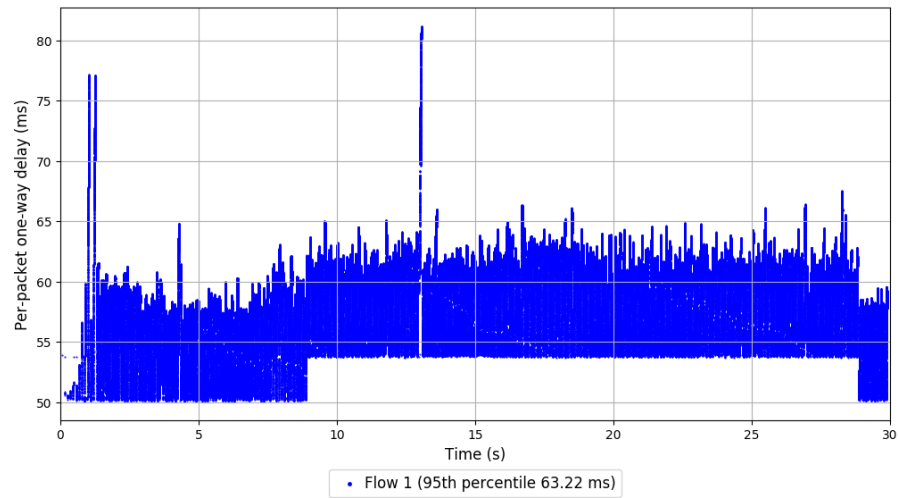
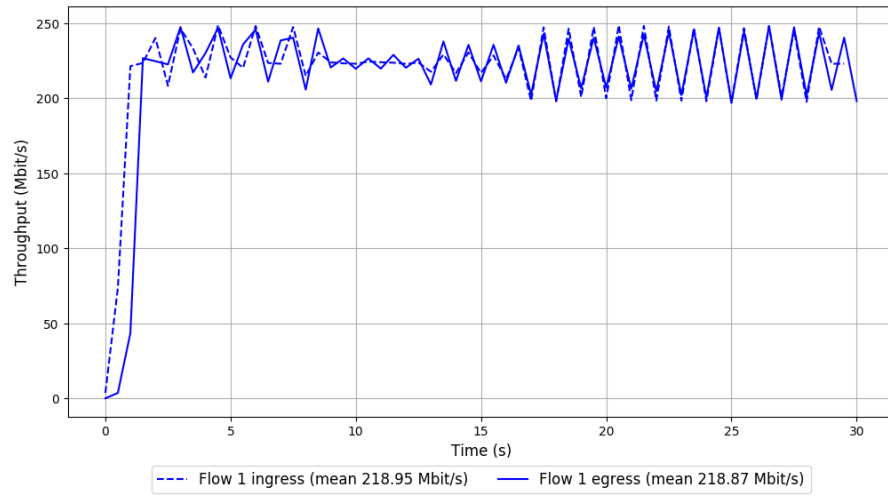


Run 5: Statistics of TCP Cubic

Start at: 2018-07-02 00:32:49
End at: 2018-07-02 00:33:19
Local clock offset: 0.112 ms
Remote clock offset: -0.189 ms

Below is generated by plot.py at 2018-07-02 02:52:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 218.87 Mbit/s
95th percentile per-packet one-way delay: 63.221 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 218.87 Mbit/s
95th percentile per-packet one-way delay: 63.221 ms
Loss rate: 0.38%

Run 5: Report of TCP Cubic — Data Link

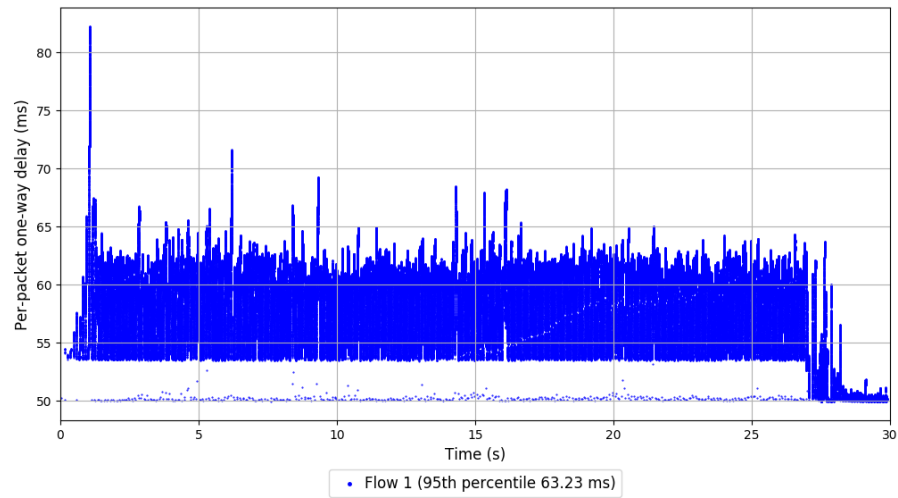
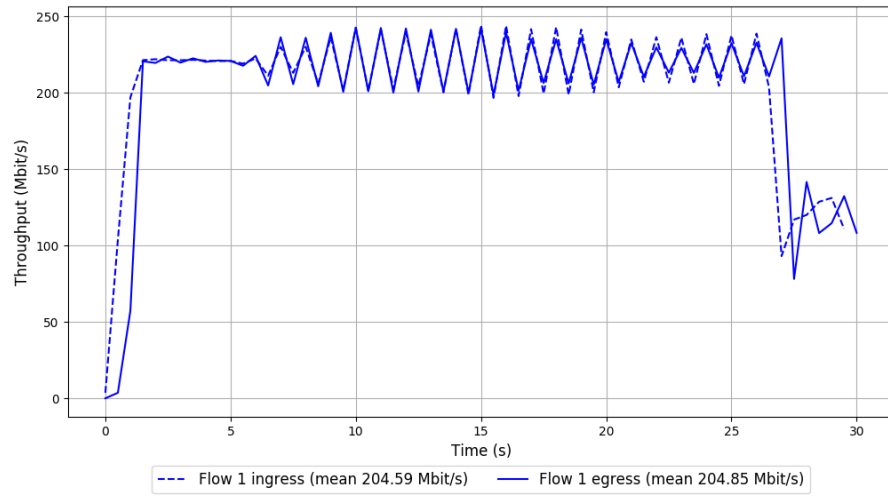


Run 6: Statistics of TCP Cubic

Start at: 2018-07-02 00:53:51
End at: 2018-07-02 00:54:21
Local clock offset: -0.123 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2018-07-02 02:53:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 204.85 Mbit/s
95th percentile per-packet one-way delay: 63.234 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 204.85 Mbit/s
95th percentile per-packet one-way delay: 63.234 ms
Loss rate: 0.22%

Run 6: Report of TCP Cubic — Data Link

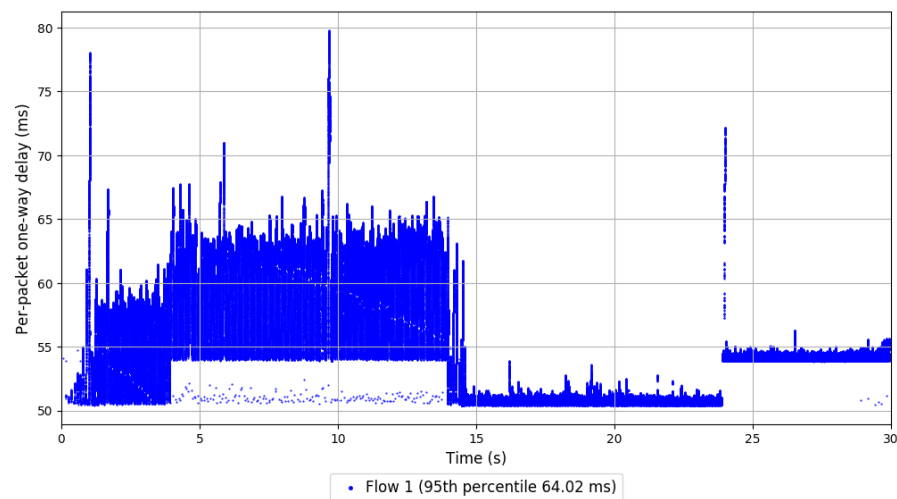
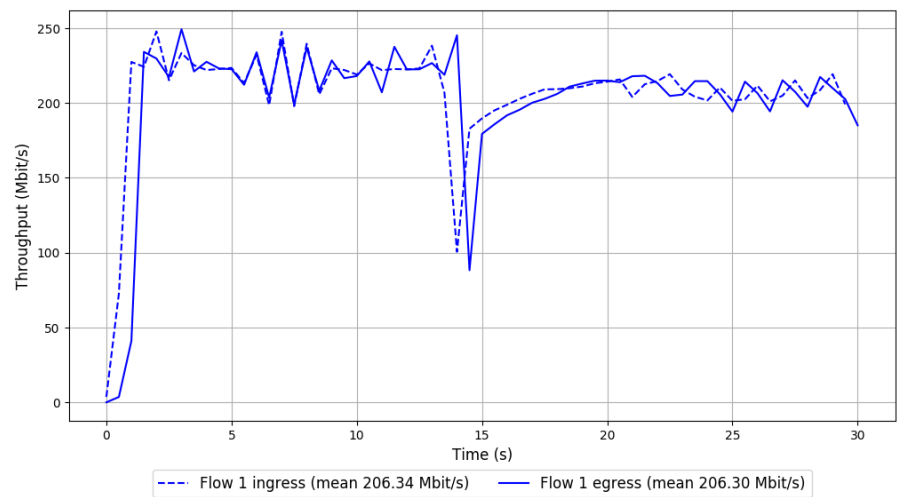


Run 7: Statistics of TCP Cubic

Start at: 2018-07-02 01:15:24
End at: 2018-07-02 01:15:54
Local clock offset: 0.084 ms
Remote clock offset: -0.347 ms

Below is generated by plot.py at 2018-07-02 02:53:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 206.30 Mbit/s
95th percentile per-packet one-way delay: 64.021 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 206.30 Mbit/s
95th percentile per-packet one-way delay: 64.021 ms
Loss rate: 0.37%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-02 01:36:24

End at: 2018-07-02 01:36:54

Local clock offset: 0.061 ms

Remote clock offset: 0.115 ms

Below is generated by plot.py at 2018-07-02 02:55:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.52 Mbit/s

95th percentile per-packet one-way delay: 62.613 ms

Loss rate: 0.21%

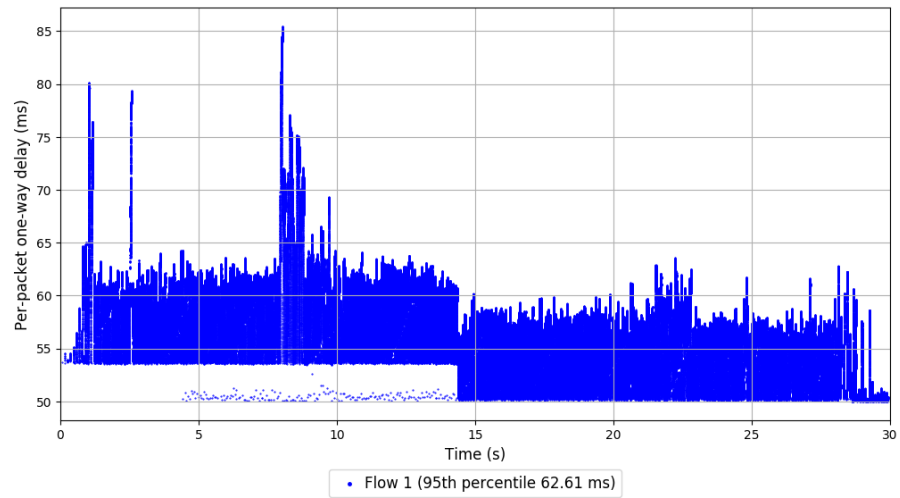
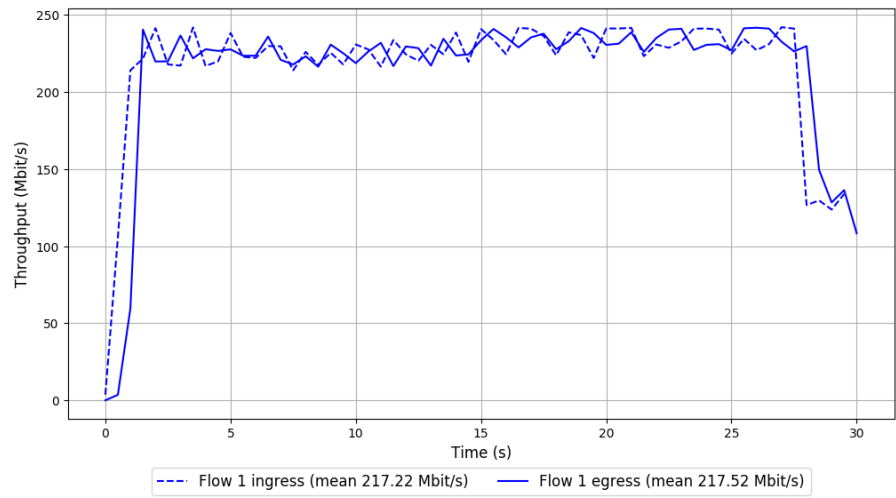
-- Flow 1:

Average throughput: 217.52 Mbit/s

95th percentile per-packet one-way delay: 62.613 ms

Loss rate: 0.21%

Run 8: Report of TCP Cubic — Data Link

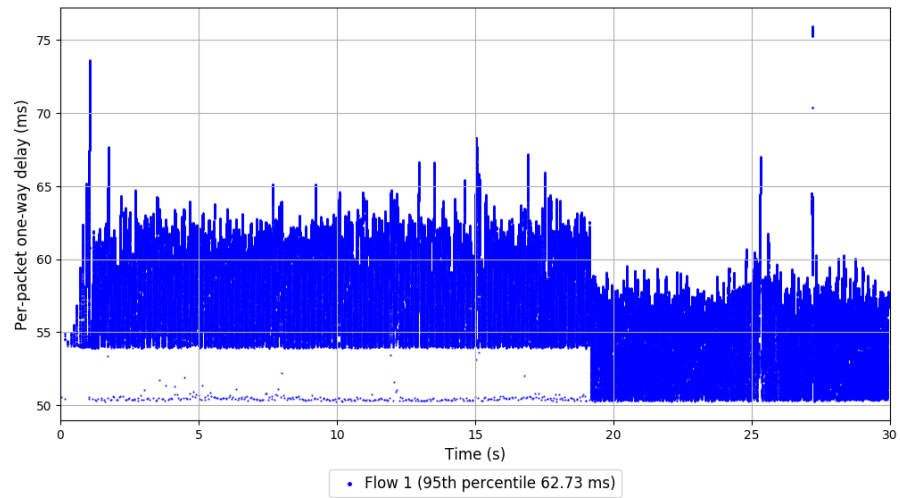
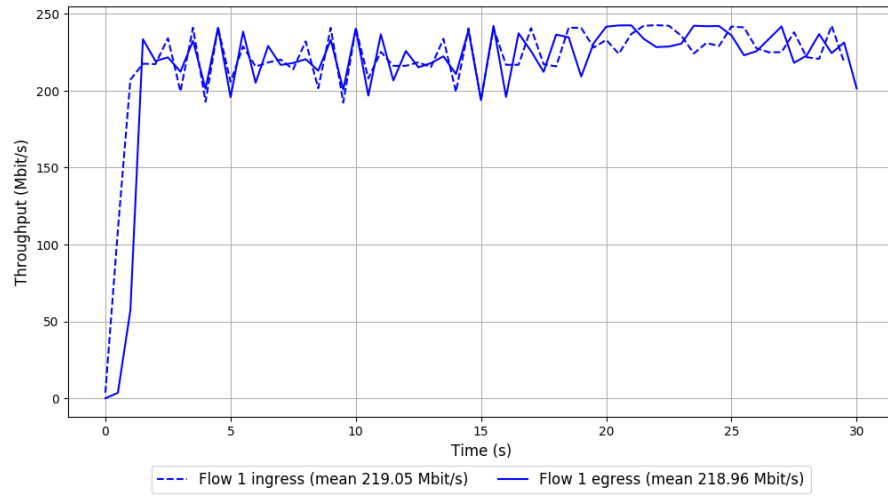


Run 9: Statistics of TCP Cubic

Start at: 2018-07-02 01:57:39
End at: 2018-07-02 01:58:09
Local clock offset: 0.005 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-07-02 02:55:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 218.96 Mbit/s
95th percentile per-packet one-way delay: 62.732 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 218.96 Mbit/s
95th percentile per-packet one-way delay: 62.732 ms
Loss rate: 0.37%

Run 9: Report of TCP Cubic — Data Link

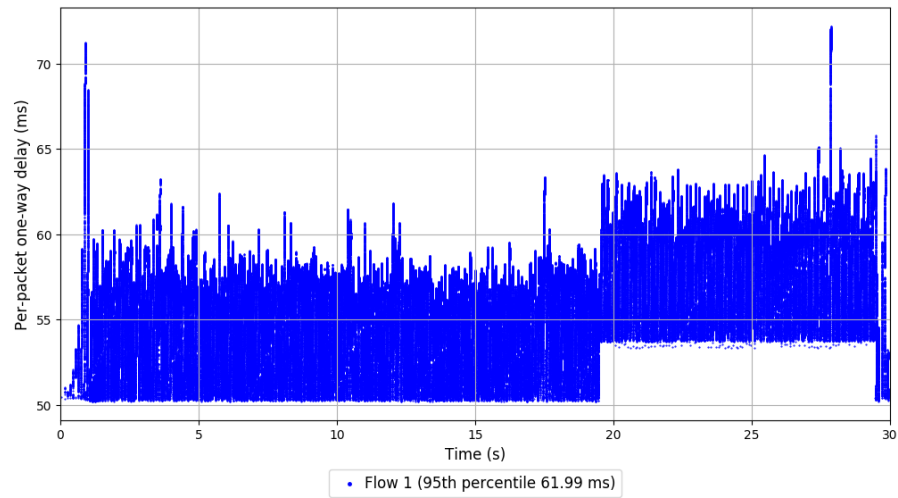
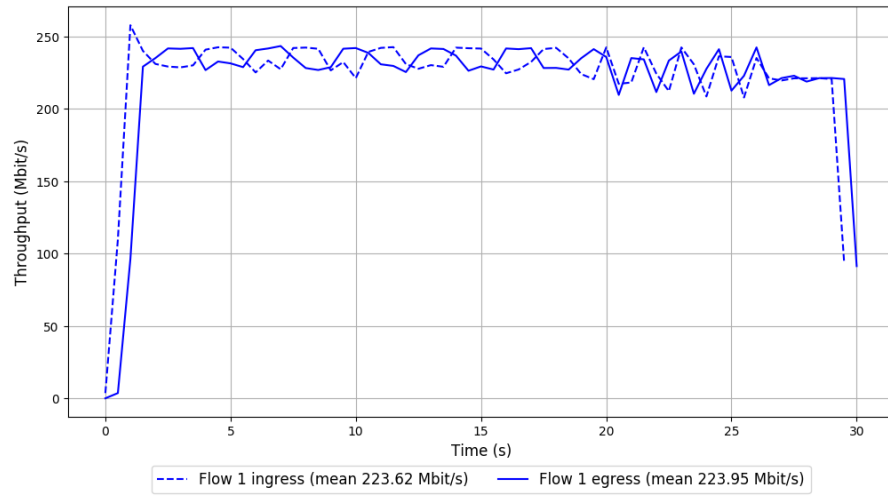


Run 10: Statistics of TCP Cubic

Start at: 2018-07-02 02:18:39
End at: 2018-07-02 02:19:09
Local clock offset: -0.037 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-02 02:55:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 223.95 Mbit/s
95th percentile per-packet one-way delay: 61.990 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 223.95 Mbit/s
95th percentile per-packet one-way delay: 61.990 ms
Loss rate: 0.20%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-01 23:01:40

End at: 2018-07-01 23:02:10

Local clock offset: 0.201 ms

Remote clock offset: -0.34 ms

Below is generated by plot.py at 2018-07-02 03:05:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 650.56 Mbit/s

95th percentile per-packet one-way delay: 157.281 ms

Loss rate: 7.76%

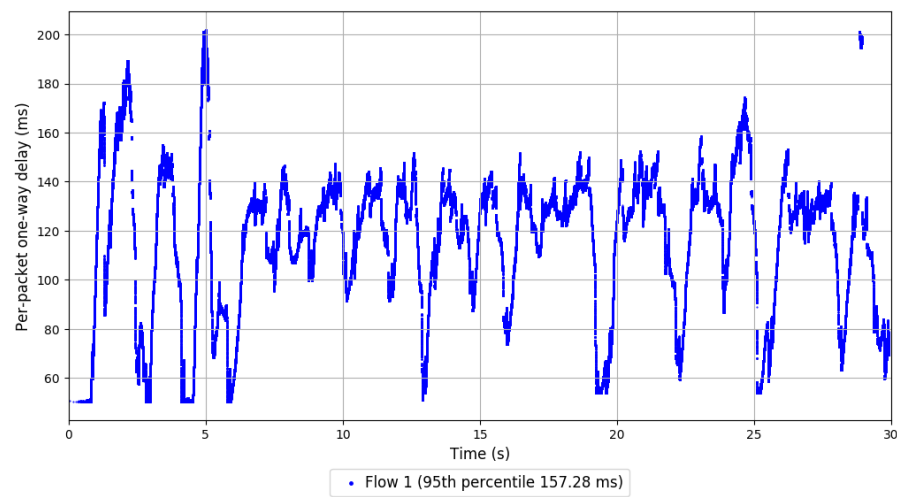
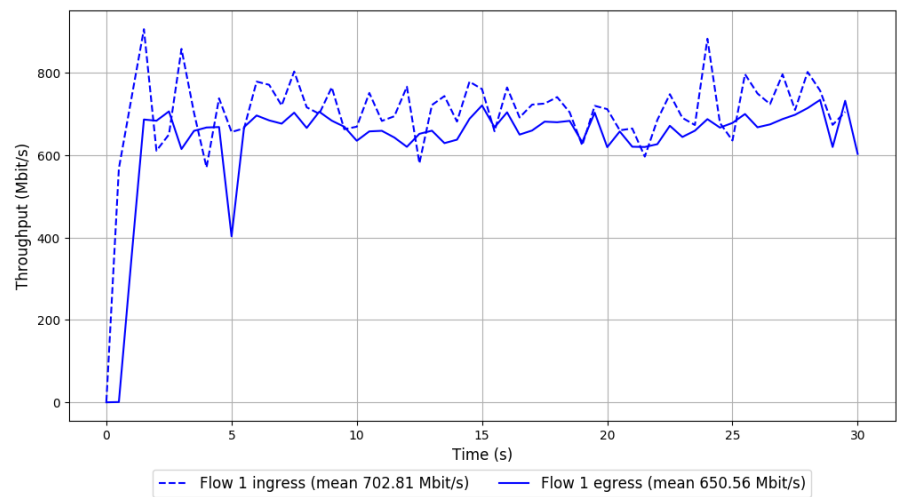
-- Flow 1:

Average throughput: 650.56 Mbit/s

95th percentile per-packet one-way delay: 157.281 ms

Loss rate: 7.76%

Run 1: Report of FillP — Data Link

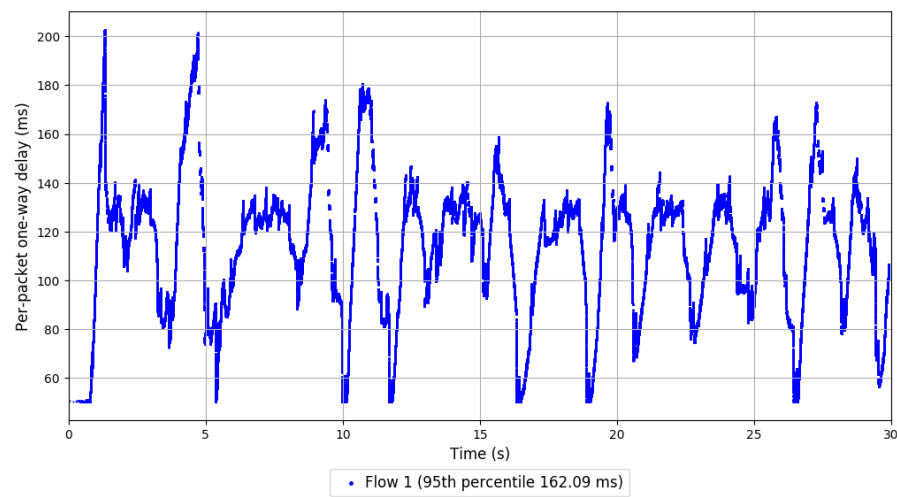
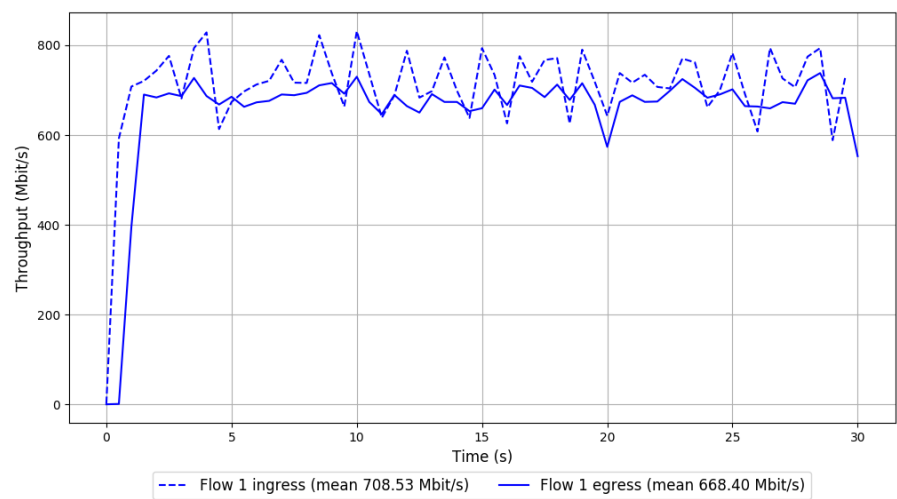


Run 2: Statistics of FillP

Start at: 2018-07-01 23:23:02
End at: 2018-07-01 23:23:32
Local clock offset: 0.014 ms
Remote clock offset: -0.247 ms

Below is generated by plot.py at 2018-07-02 03:07:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 668.40 Mbit/s
95th percentile per-packet one-way delay: 162.095 ms
Loss rate: 6.00%
-- Flow 1:
Average throughput: 668.40 Mbit/s
95th percentile per-packet one-way delay: 162.095 ms
Loss rate: 6.00%

Run 2: Report of FillP — Data Link

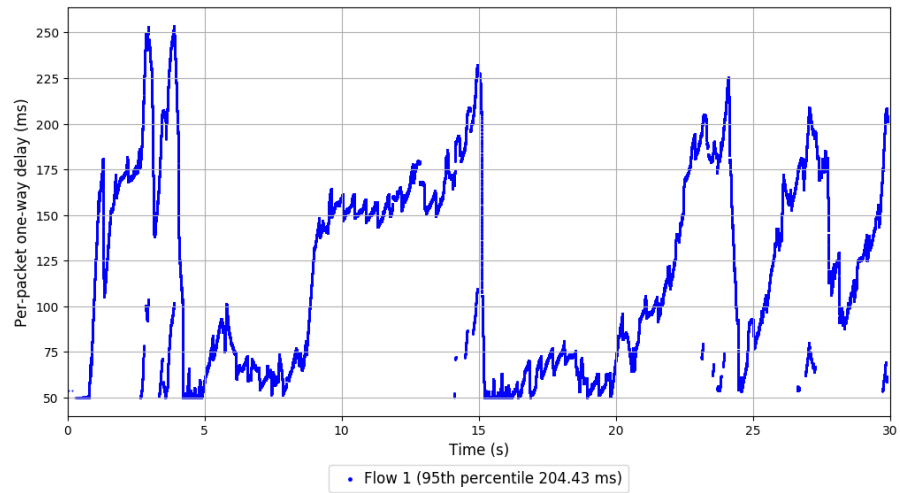
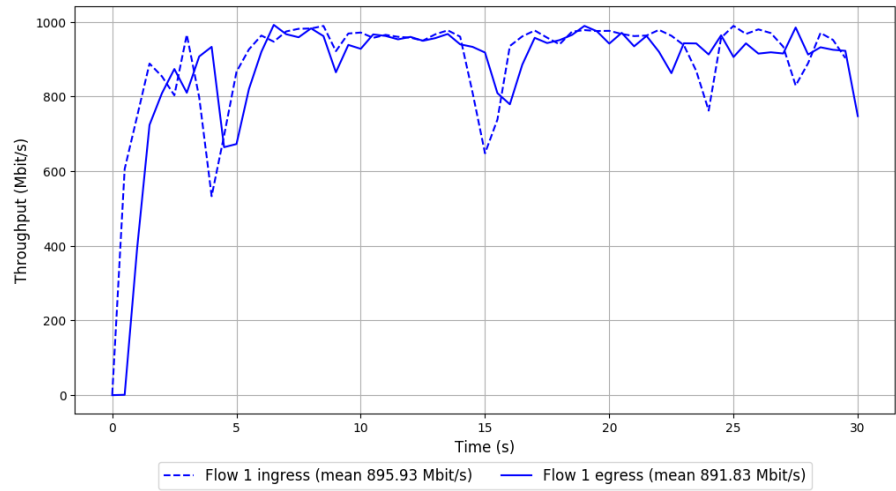


Run 3: Statistics of FillP

Start at: 2018-07-01 23:44:28
End at: 2018-07-01 23:44:58
Local clock offset: 0.17 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-07-02 03:11:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 891.83 Mbit/s
95th percentile per-packet one-way delay: 204.432 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 891.83 Mbit/s
95th percentile per-packet one-way delay: 204.432 ms
Loss rate: 0.82%

Run 3: Report of FillP — Data Link

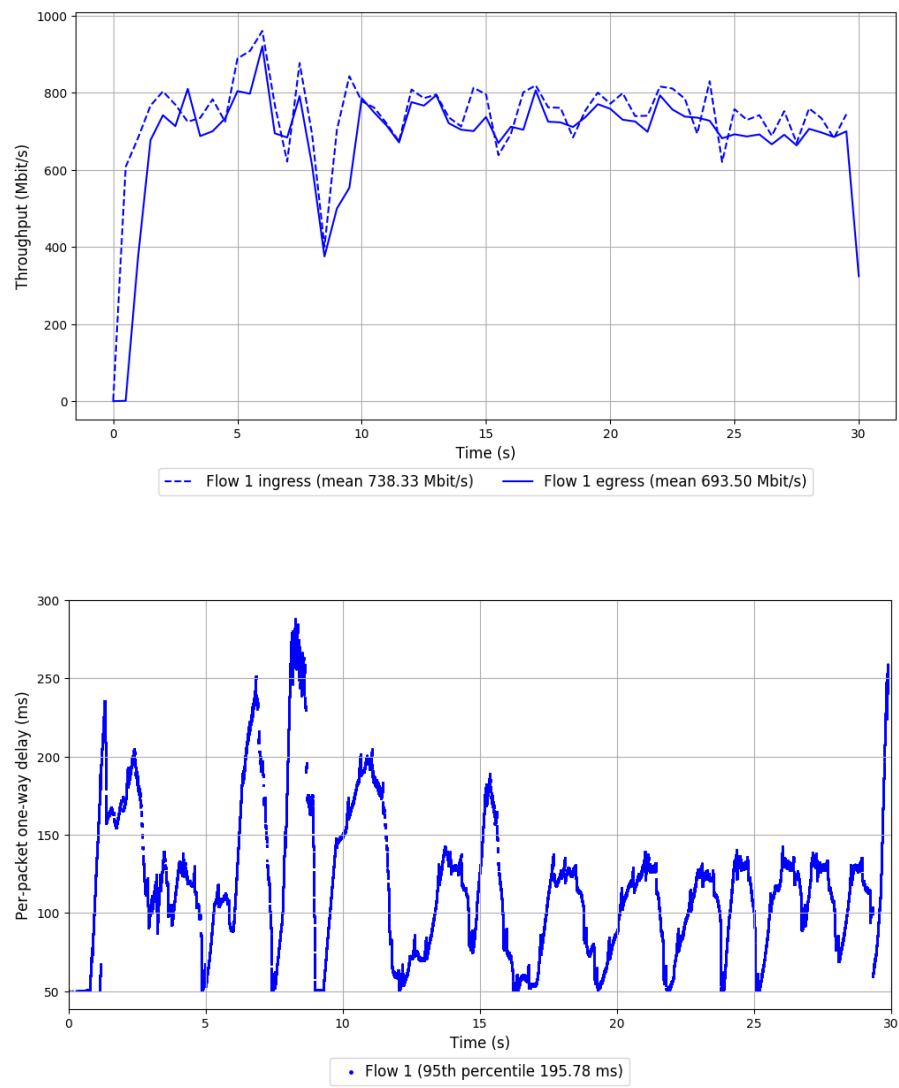


Run 4: Statistics of FillP

Start at: 2018-07-02 00:05:53
End at: 2018-07-02 00:06:23
Local clock offset: 0.145 ms
Remote clock offset: -0.171 ms

Below is generated by plot.py at 2018-07-02 03:11:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 693.50 Mbit/s
95th percentile per-packet one-way delay: 195.780 ms
Loss rate: 6.39%
-- Flow 1:
Average throughput: 693.50 Mbit/s
95th percentile per-packet one-way delay: 195.780 ms
Loss rate: 6.39%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-02 00:27:26

End at: 2018-07-02 00:27:56

Local clock offset: 0.165 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-07-02 03:11:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 726.05 Mbit/s

95th percentile per-packet one-way delay: 140.387 ms

Loss rate: 3.64%

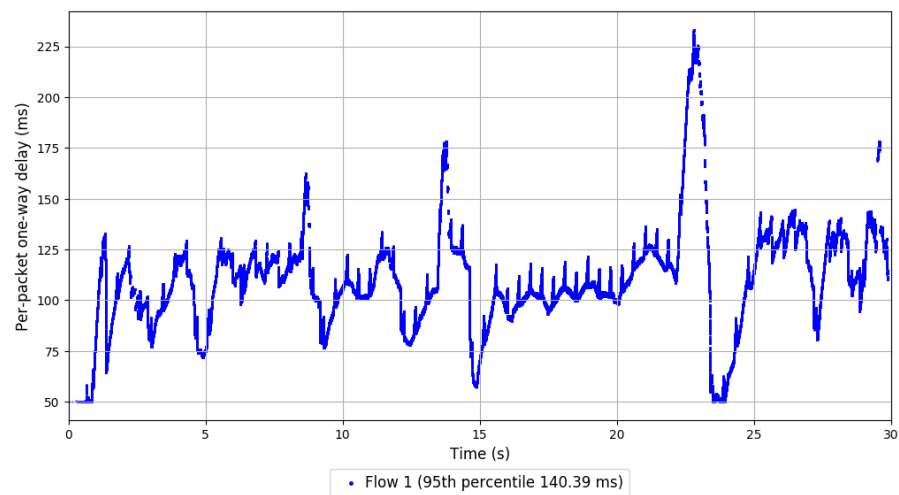
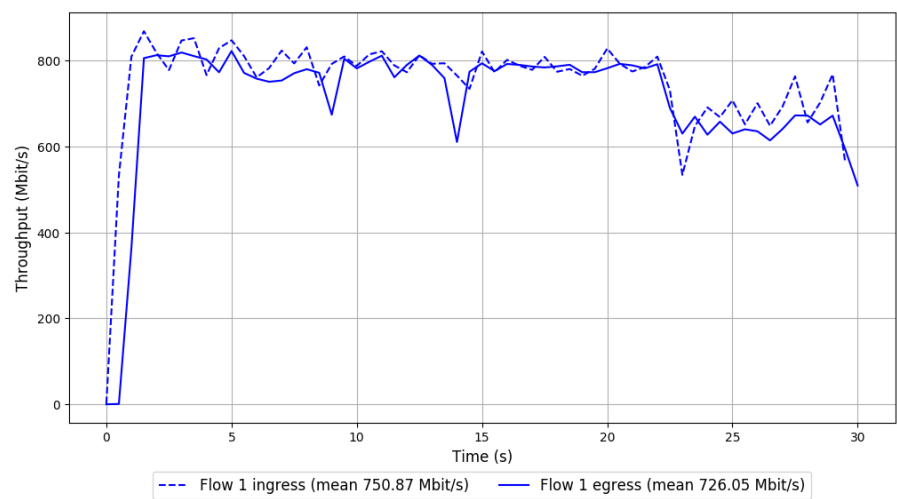
-- Flow 1:

Average throughput: 726.05 Mbit/s

95th percentile per-packet one-way delay: 140.387 ms

Loss rate: 3.64%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-02 00:48:31

End at: 2018-07-02 00:49:01

Local clock offset: 0.068 ms

Remote clock offset: 1.399 ms

Below is generated by plot.py at 2018-07-02 03:11:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 738.85 Mbit/s

95th percentile per-packet one-way delay: 143.070 ms

Loss rate: 3.75%

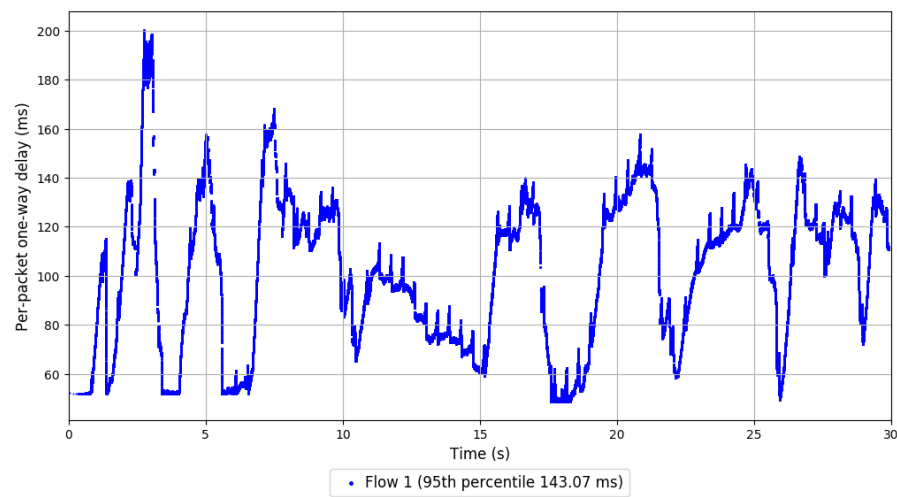
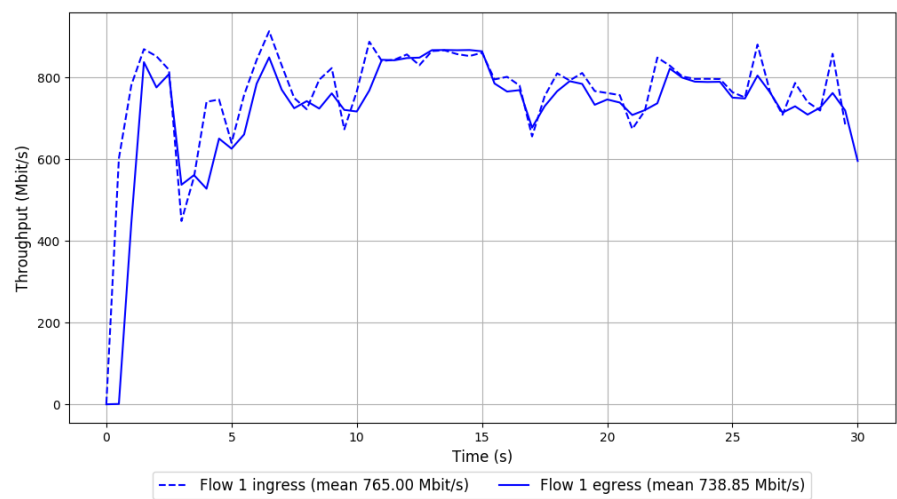
-- Flow 1:

Average throughput: 738.85 Mbit/s

95th percentile per-packet one-way delay: 143.070 ms

Loss rate: 3.75%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-02 01:09:43

End at: 2018-07-02 01:10:13

Local clock offset: -0.068 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-07-02 03:12:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 796.60 Mbit/s

95th percentile per-packet one-way delay: 220.035 ms

Loss rate: 2.46%

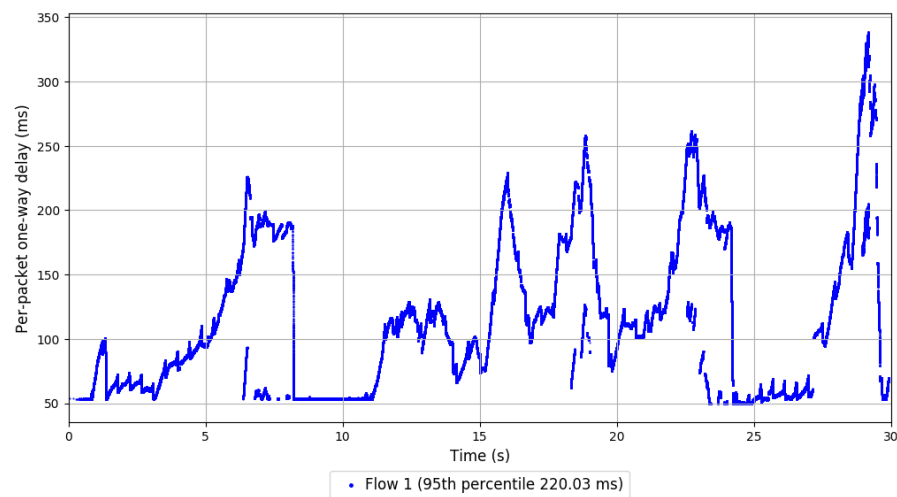
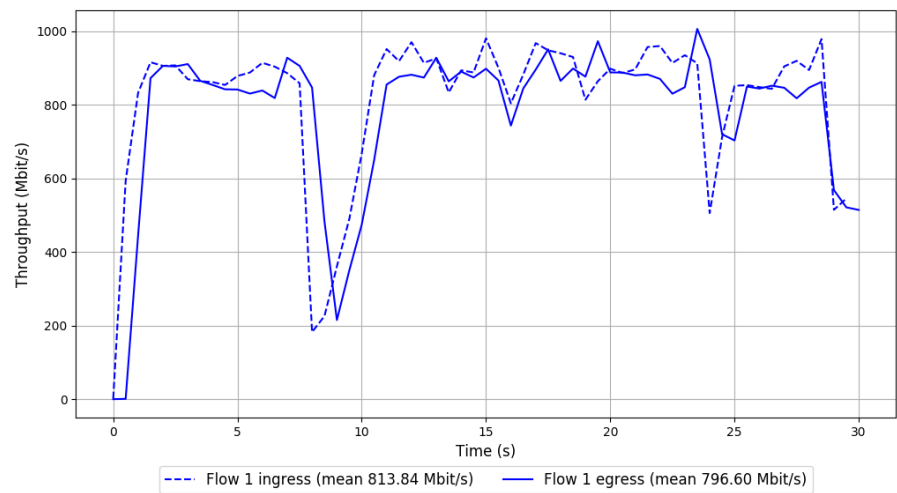
-- Flow 1:

Average throughput: 796.60 Mbit/s

95th percentile per-packet one-way delay: 220.035 ms

Loss rate: 2.46%

Run 7: Report of FillP — Data Link

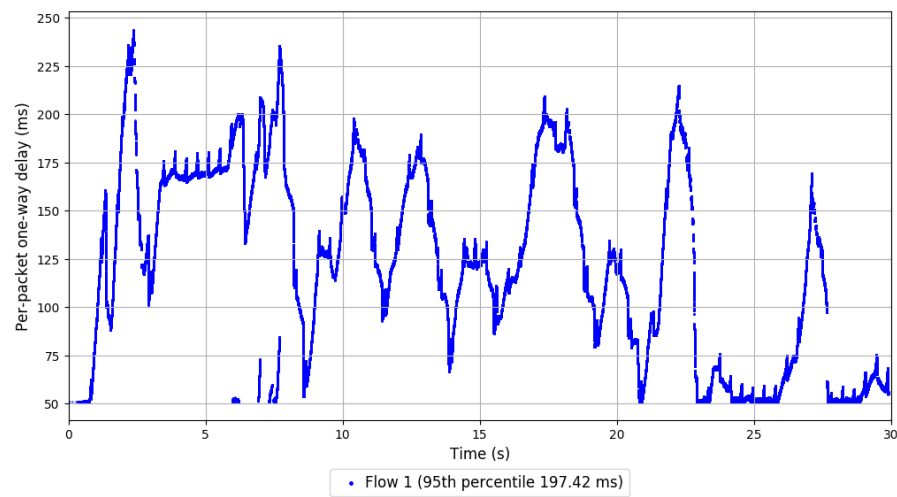
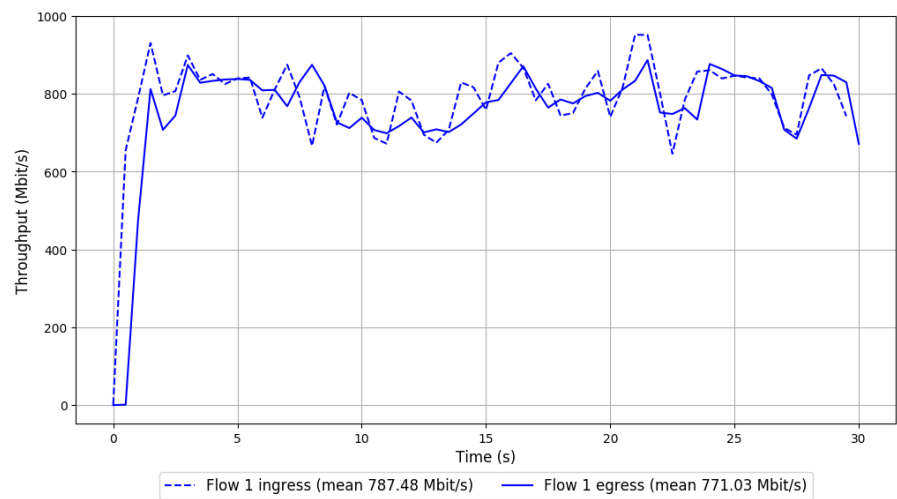


Run 8: Statistics of FillP

Start at: 2018-07-02 01:31:00
End at: 2018-07-02 01:31:30
Local clock offset: -0.123 ms
Remote clock offset: -1.252 ms

Below is generated by plot.py at 2018-07-02 03:12:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 771.03 Mbit/s
95th percentile per-packet one-way delay: 197.419 ms
Loss rate: 2.42%
-- Flow 1:
Average throughput: 771.03 Mbit/s
95th percentile per-packet one-way delay: 197.419 ms
Loss rate: 2.42%

Run 8: Report of FillP — Data Link

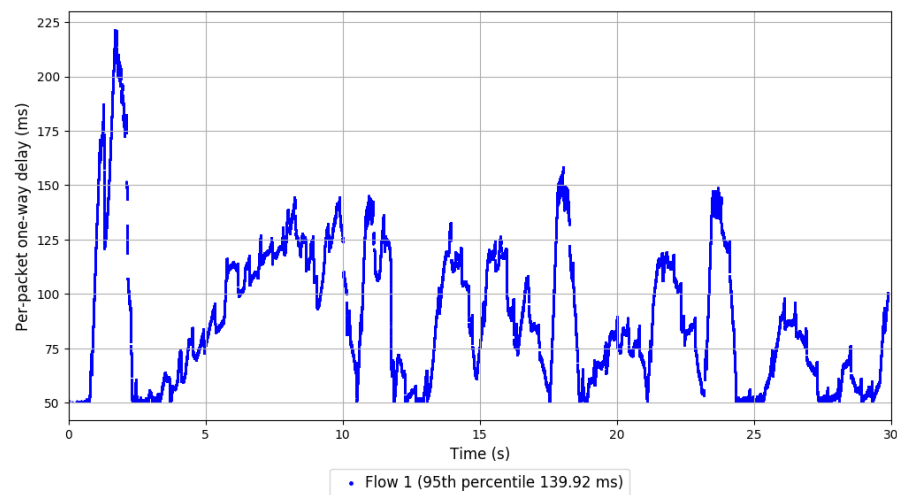
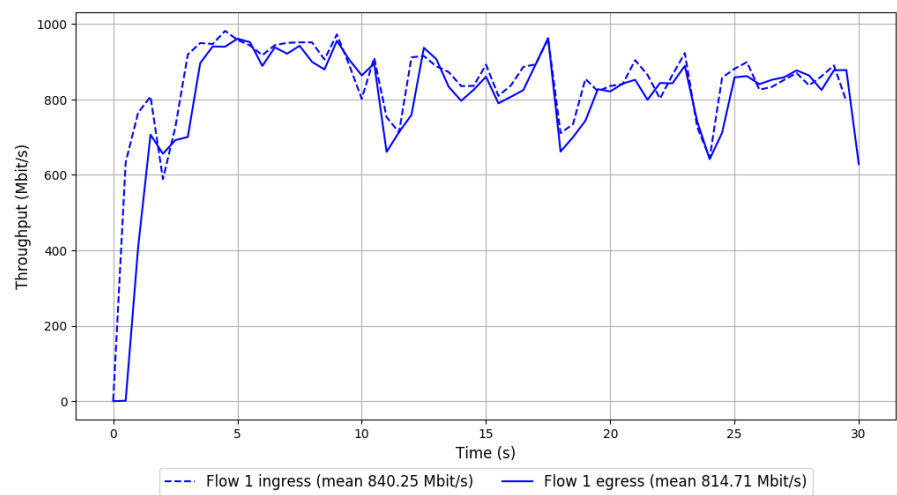


Run 9: Statistics of FillP

Start at: 2018-07-02 01:51:57
End at: 2018-07-02 01:52:27
Local clock offset: -0.019 ms
Remote clock offset: -0.353 ms

Below is generated by plot.py at 2018-07-02 03:25:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 814.71 Mbit/s
95th percentile per-packet one-way delay: 139.921 ms
Loss rate: 3.38%
-- Flow 1:
Average throughput: 814.71 Mbit/s
95th percentile per-packet one-way delay: 139.921 ms
Loss rate: 3.38%

Run 9: Report of FillP — Data Link

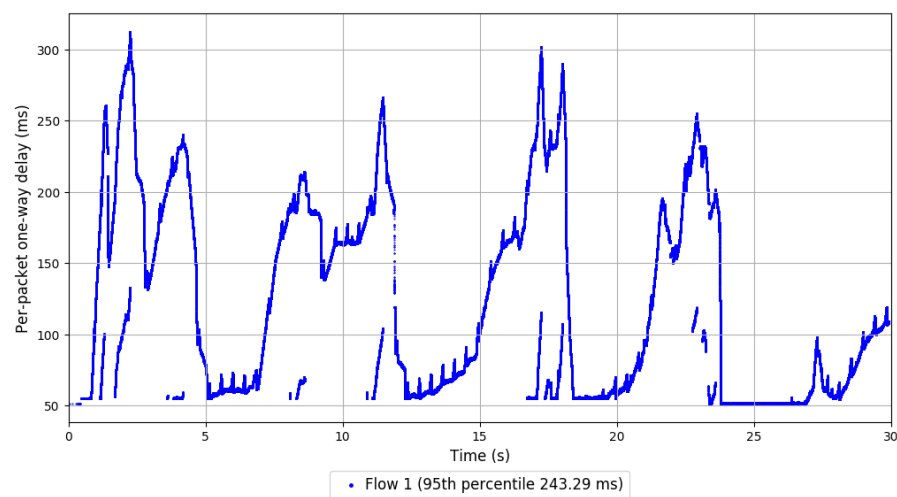
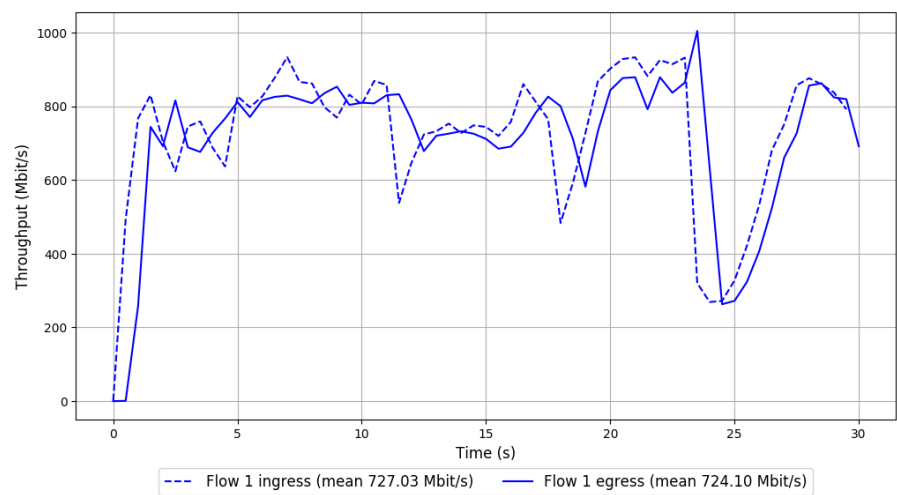


Run 10: Statistics of FillP

Start at: 2018-07-02 02:13:18
End at: 2018-07-02 02:13:48
Local clock offset: -0.15 ms
Remote clock offset: -1.238 ms

Below is generated by plot.py at 2018-07-02 03:25:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 724.10 Mbit/s
95th percentile per-packet one-way delay: 243.295 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 724.10 Mbit/s
95th percentile per-packet one-way delay: 243.295 ms
Loss rate: 0.75%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

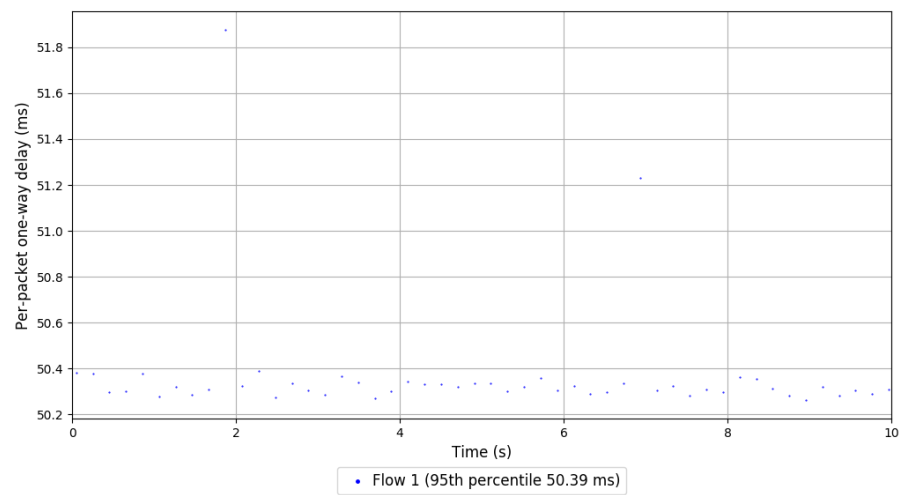
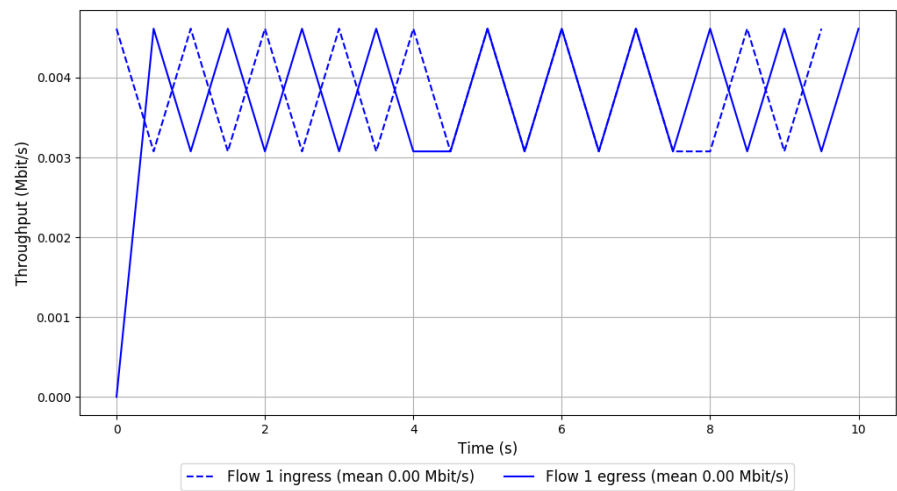
Start at: 2018-07-01 23:17:00

End at: 2018-07-01 23:17:30

Local clock offset: 0.158 ms

Remote clock offset: -0.144 ms

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

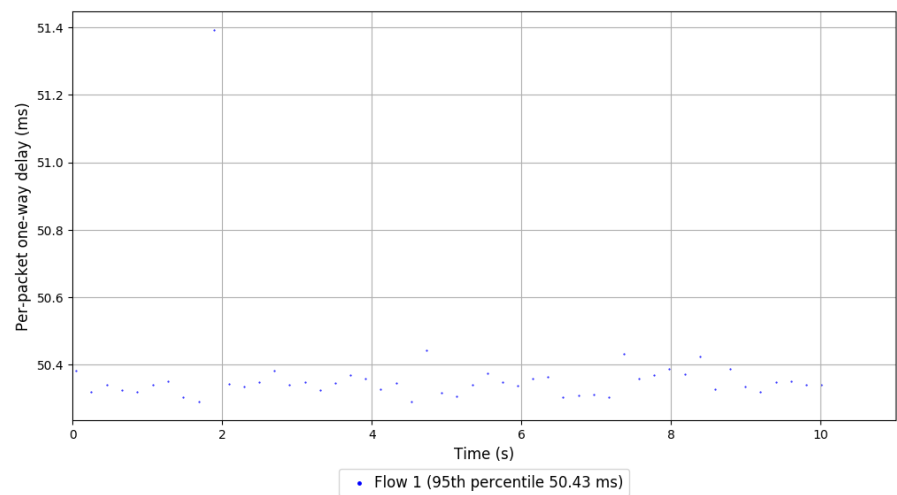
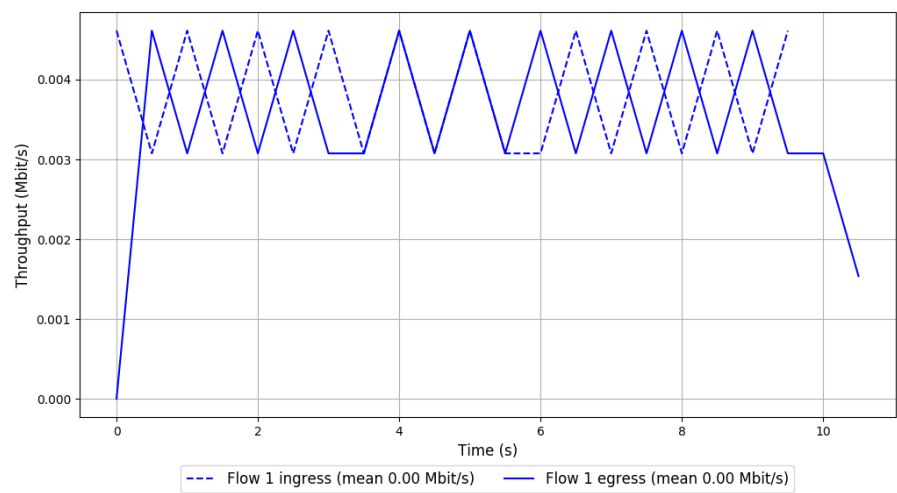
Start at: 2018-07-01 23:38:25

End at: 2018-07-01 23:38:55

Local clock offset: 0.143 ms

Remote clock offset: -0.312 ms

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

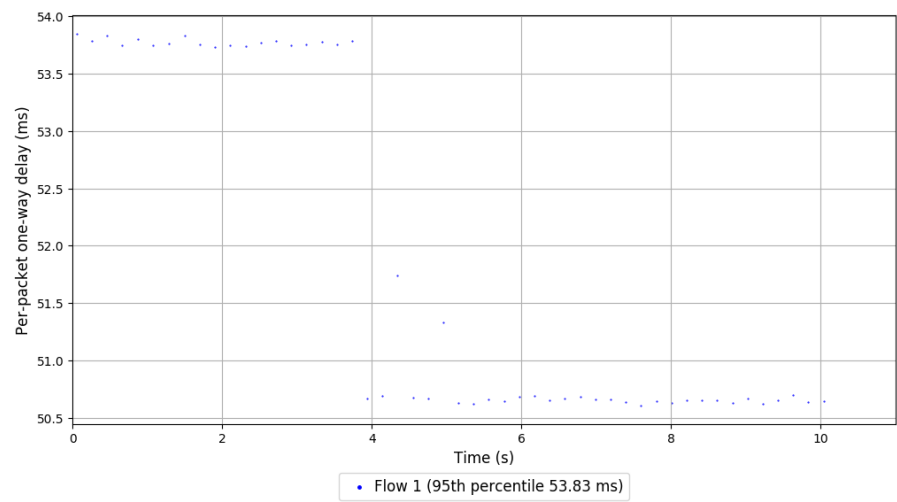
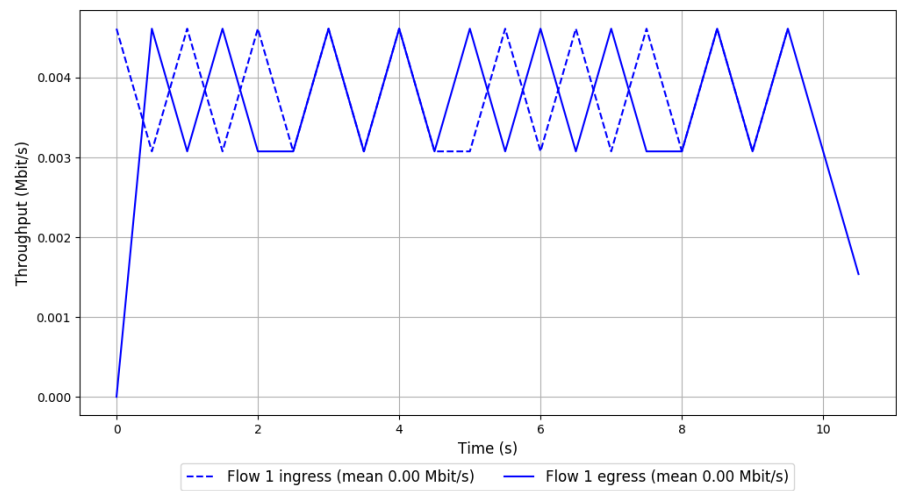
Start at: 2018-07-01 23:59:54

End at: 2018-07-02 00:00:24

Local clock offset: 0.088 ms

Remote clock offset: 0.049 ms

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

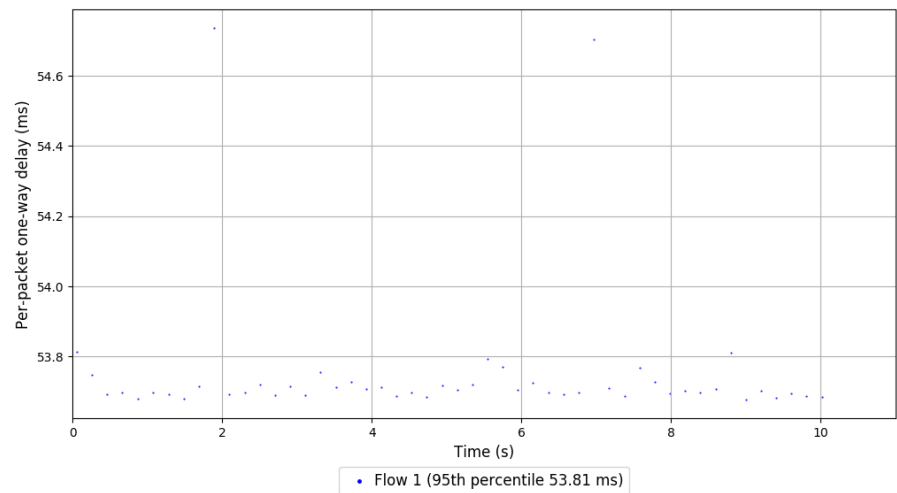
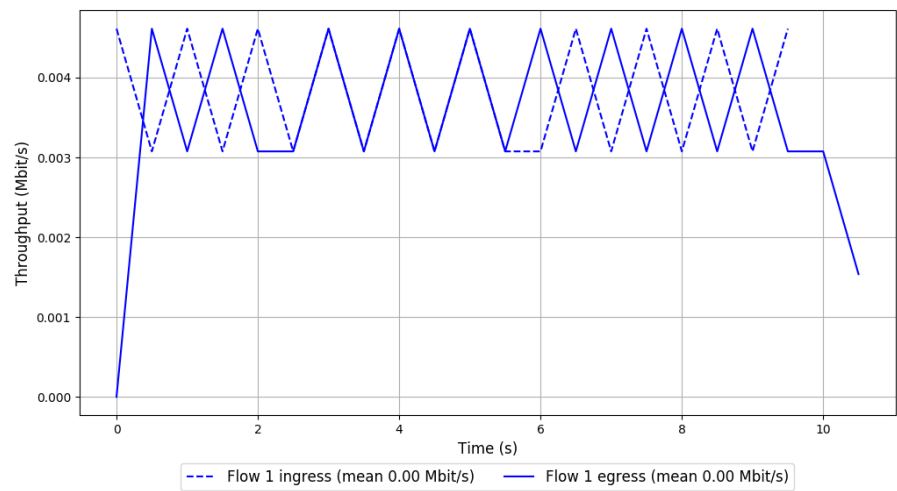
Start at: 2018-07-02 00:21:26

End at: 2018-07-02 00:21:56

Local clock offset: 0.128 ms

Remote clock offset: 0.131 ms

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

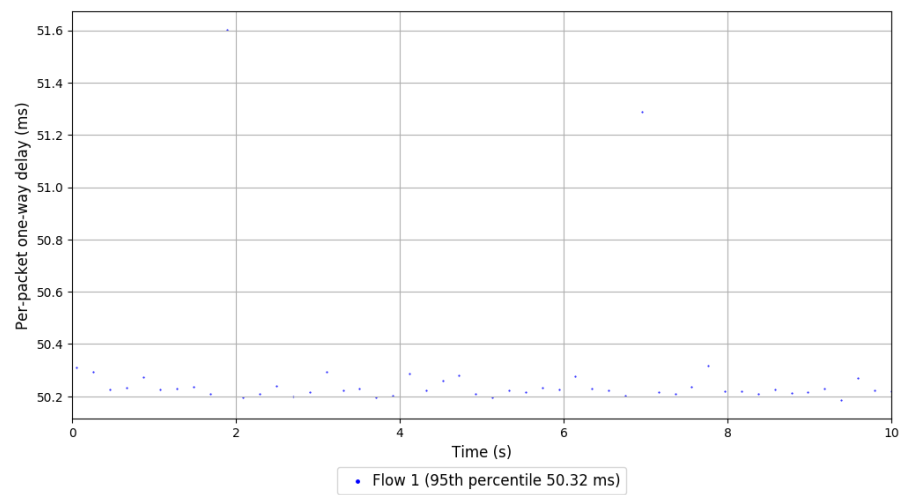
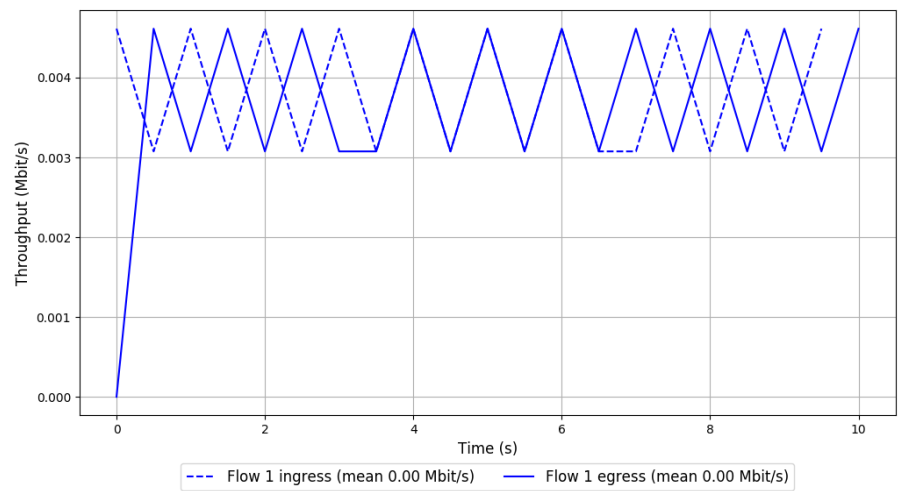
Start at: 2018-07-02 00:42:29

End at: 2018-07-02 00:42:59

Local clock offset: 0.116 ms

Remote clock offset: -0.191 ms

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

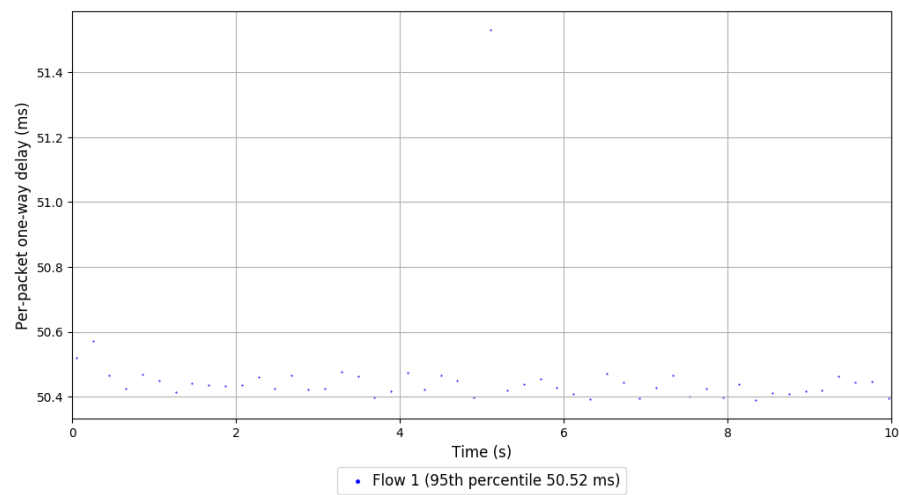
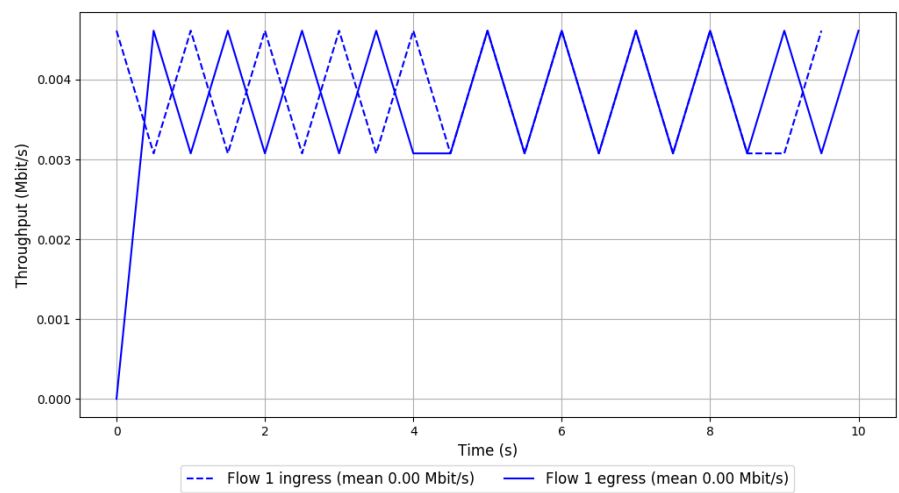
Start at: 2018-07-02 01:03:38

End at: 2018-07-02 01:04:08

Local clock offset: -0.058 ms

Remote clock offset: -0.348 ms

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

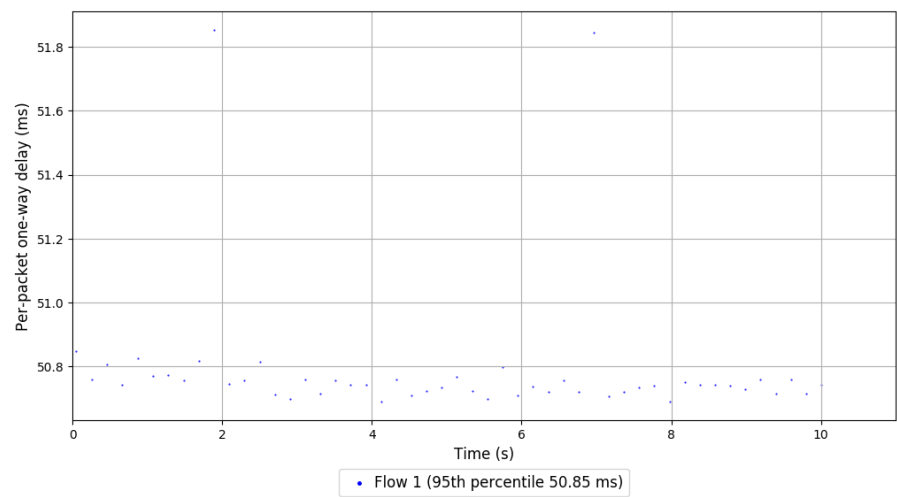
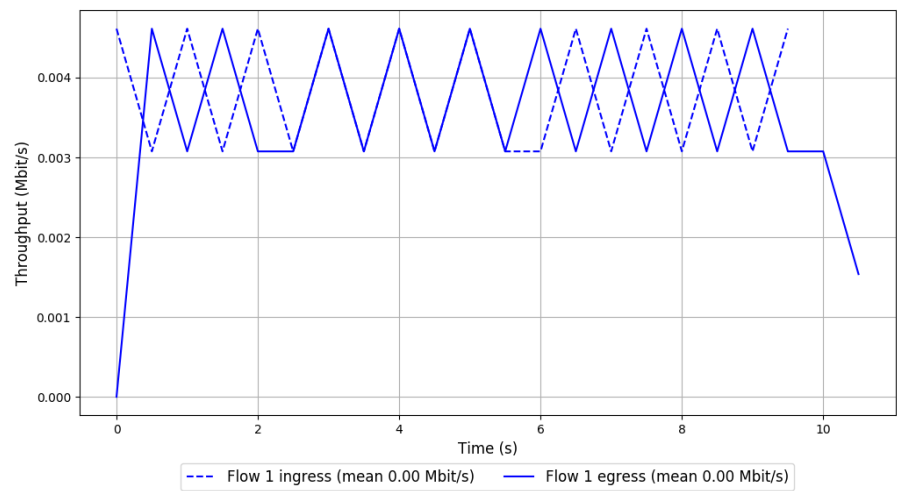
Start at: 2018-07-02 01:25:03

End at: 2018-07-02 01:25:33

Local clock offset: -0.009 ms

Remote clock offset: -0.152 ms

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

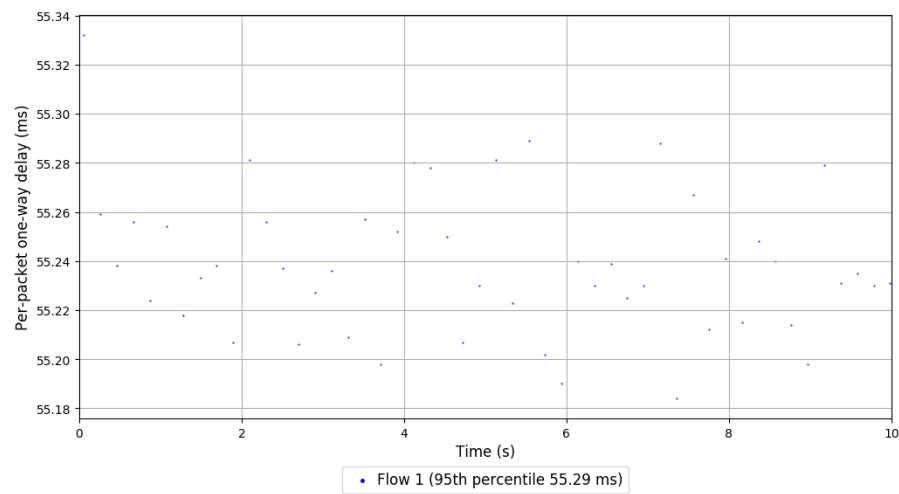
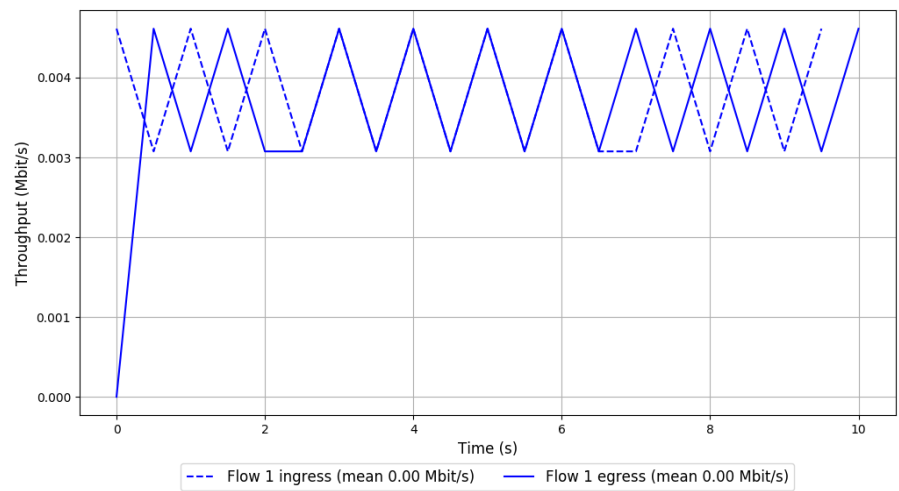
Start at: 2018-07-02 01:46:01

End at: 2018-07-02 01:46:31

Local clock offset: 0.044 ms

Remote clock offset: -1.273 ms

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

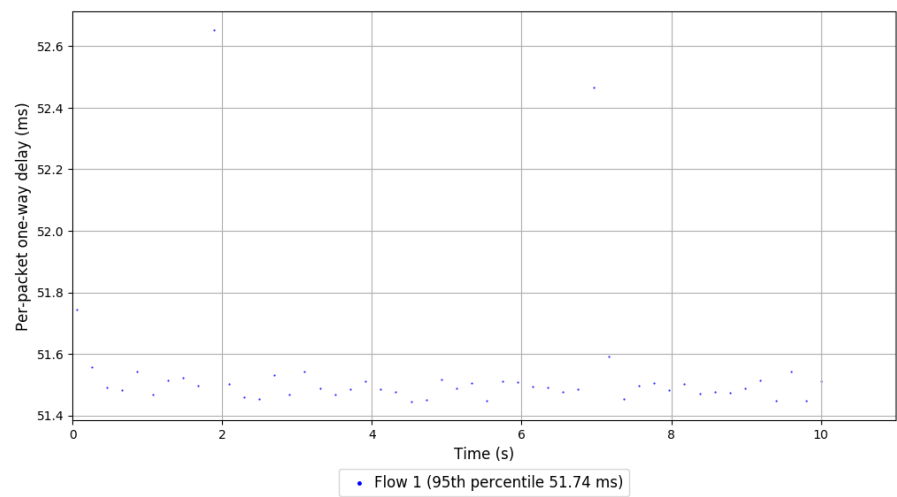
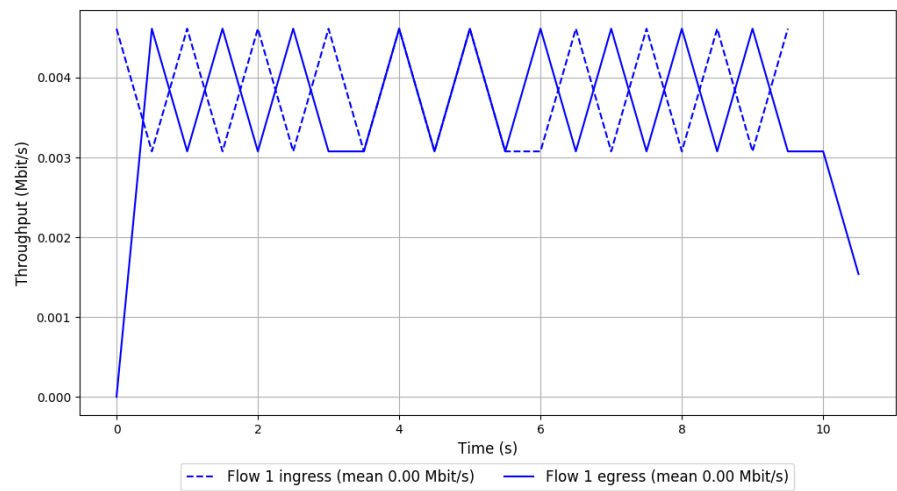
Start at: 2018-07-02 02:07:25

End at: 2018-07-02 02:07:55

Local clock offset: -0.144 ms

Remote clock offset: -1.522 ms

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

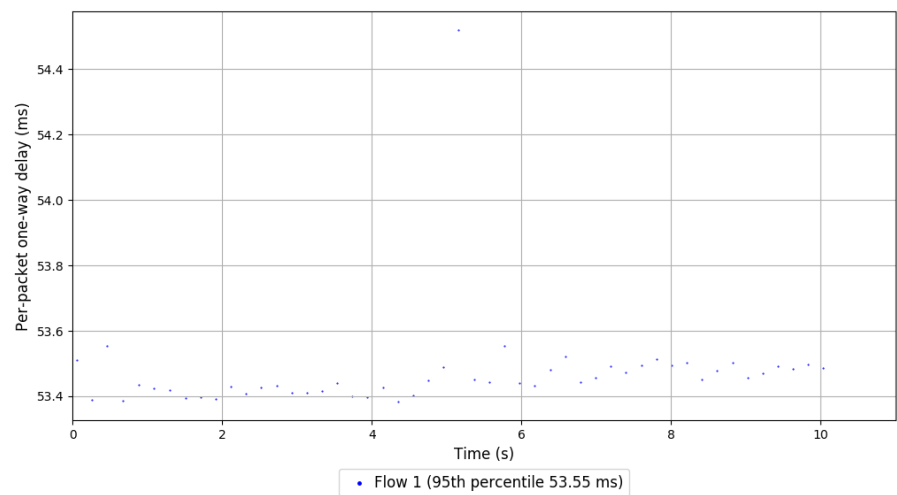
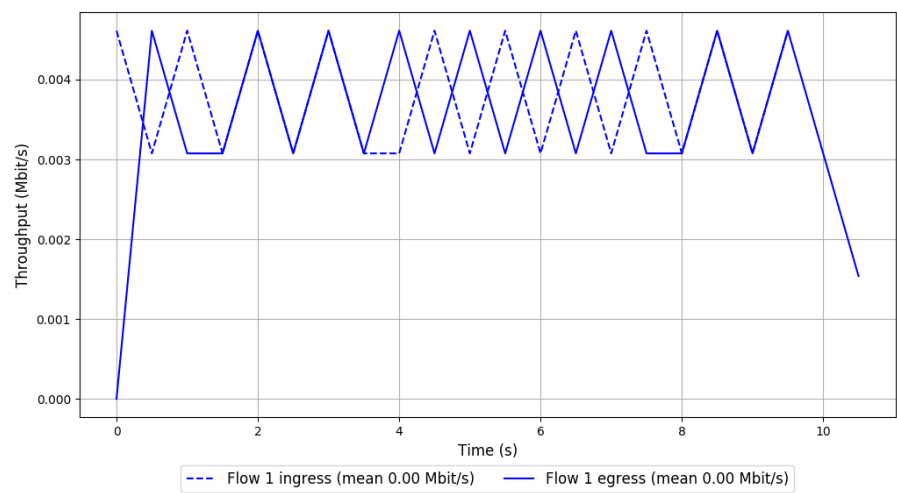
Start at: 2018-07-02 02:28:33

End at: 2018-07-02 02:29:03

Local clock offset: -0.379 ms

Remote clock offset: -0.016 ms

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-07-01 23:03:13

End at: 2018-07-01 23:03:43

Local clock offset: 0.229 ms

Remote clock offset: -0.185 ms

Below is generated by plot.py at 2018-07-02 03:25:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.88 Mbit/s

95th percentile per-packet one-way delay: 50.832 ms

Loss rate: 0.42%

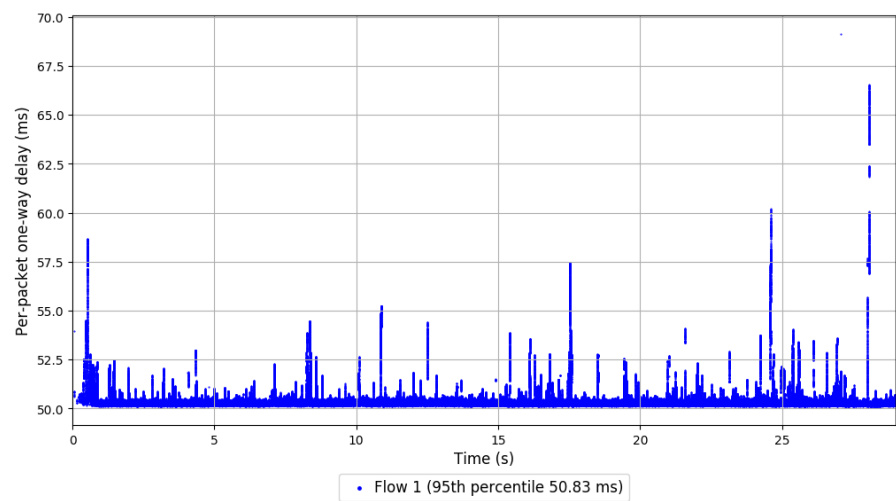
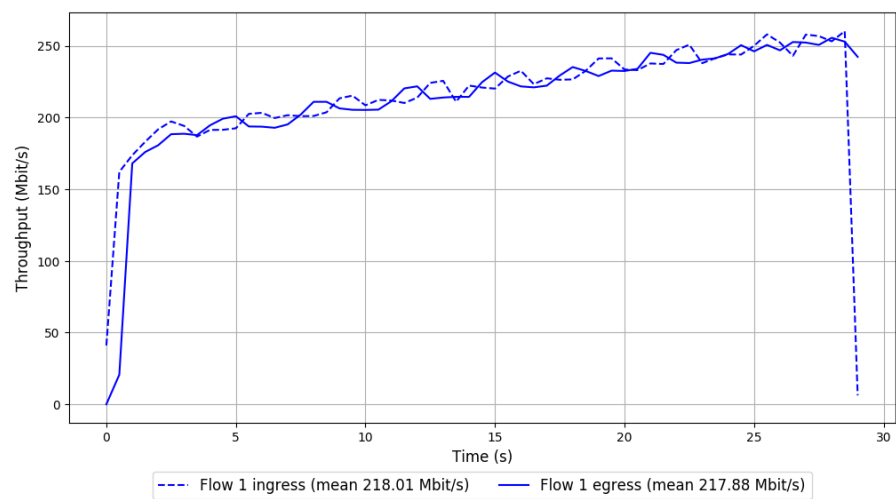
-- Flow 1:

Average throughput: 217.88 Mbit/s

95th percentile per-packet one-way delay: 50.832 ms

Loss rate: 0.42%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-01 23:24:35

End at: 2018-07-01 23:25:05

Local clock offset: 0.166 ms

Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-02 03:25:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 238.71 Mbit/s

95th percentile per-packet one-way delay: 53.866 ms

Loss rate: 0.30%

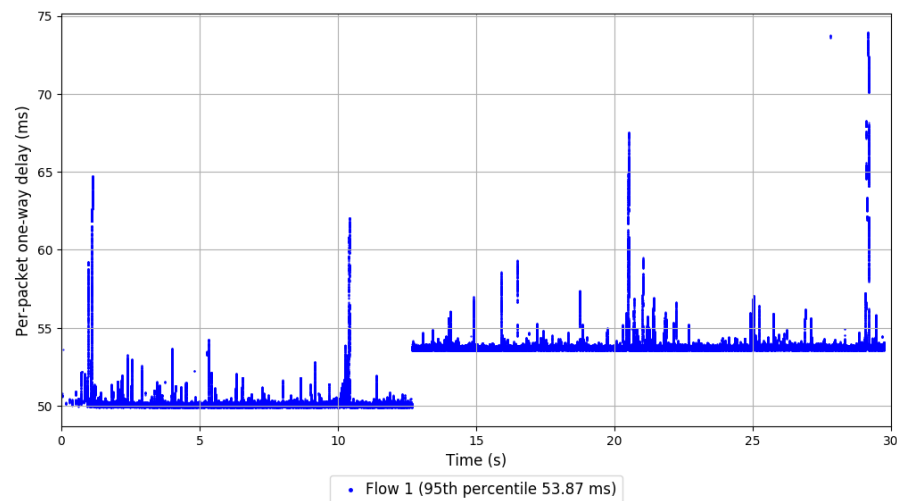
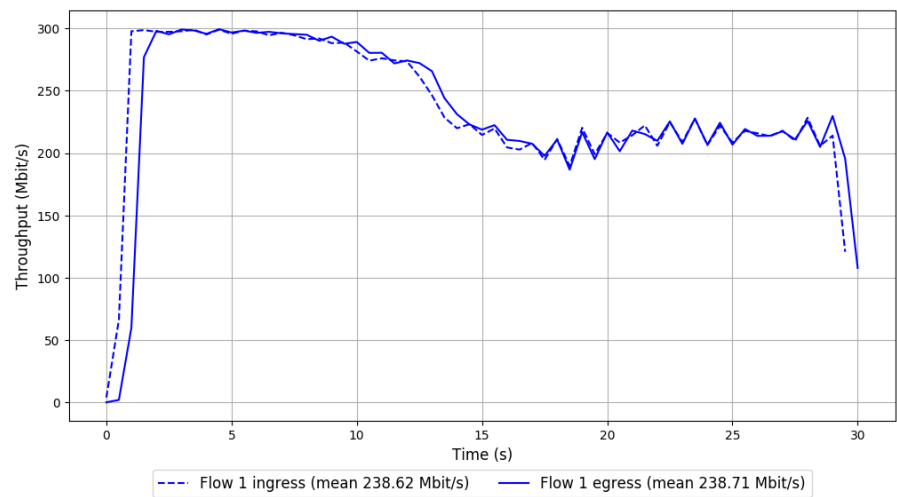
-- Flow 1:

Average throughput: 238.71 Mbit/s

95th percentile per-packet one-way delay: 53.866 ms

Loss rate: 0.30%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-01 23:46:10

End at: 2018-07-01 23:46:40

Local clock offset: 0.096 ms

Remote clock offset: 1.286 ms

Below is generated by plot.py at 2018-07-02 03:25:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.44 Mbit/s

95th percentile per-packet one-way delay: 52.529 ms

Loss rate: 0.40%

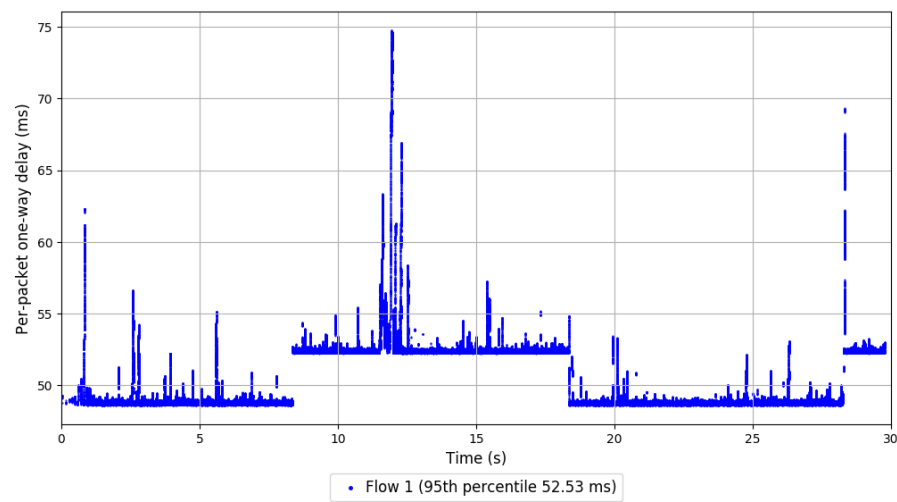
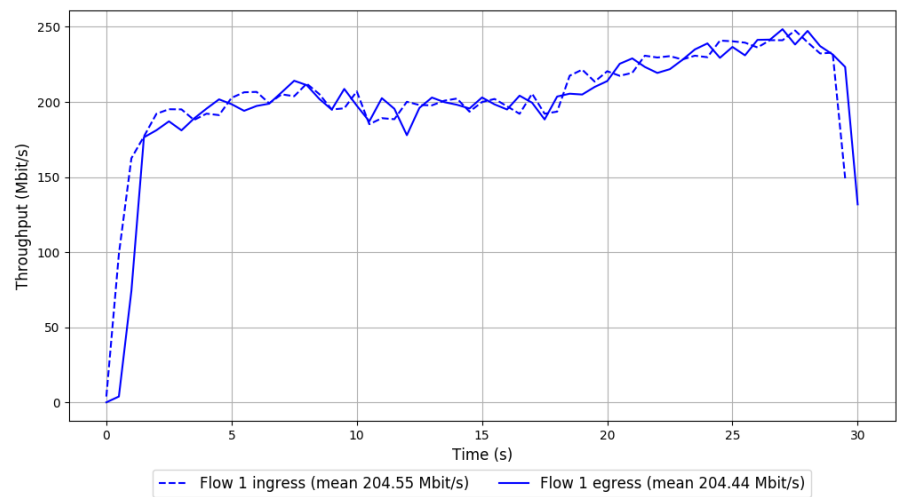
-- Flow 1:

Average throughput: 204.44 Mbit/s

95th percentile per-packet one-way delay: 52.529 ms

Loss rate: 0.40%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-02 00:07:26

End at: 2018-07-02 00:07:56

Local clock offset: 0.002 ms

Remote clock offset: 1.352 ms

Below is generated by plot.py at 2018-07-02 03:25:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.14 Mbit/s

95th percentile per-packet one-way delay: 52.318 ms

Loss rate: 0.36%

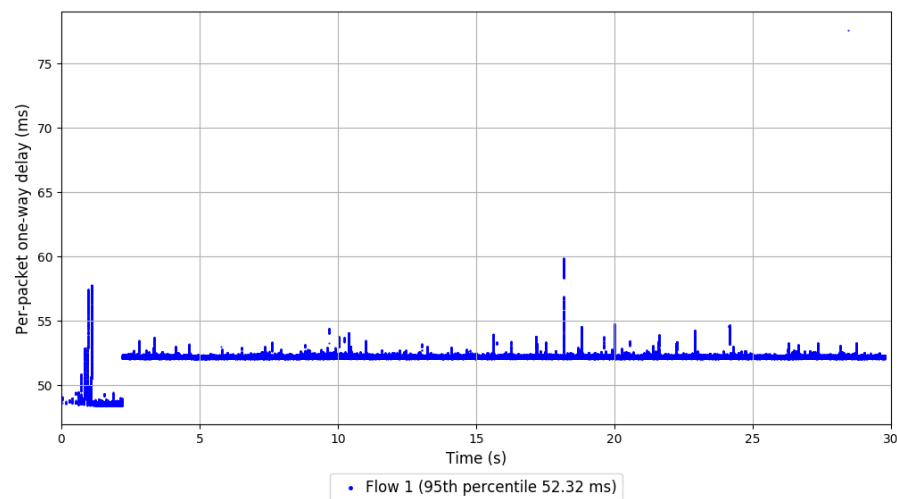
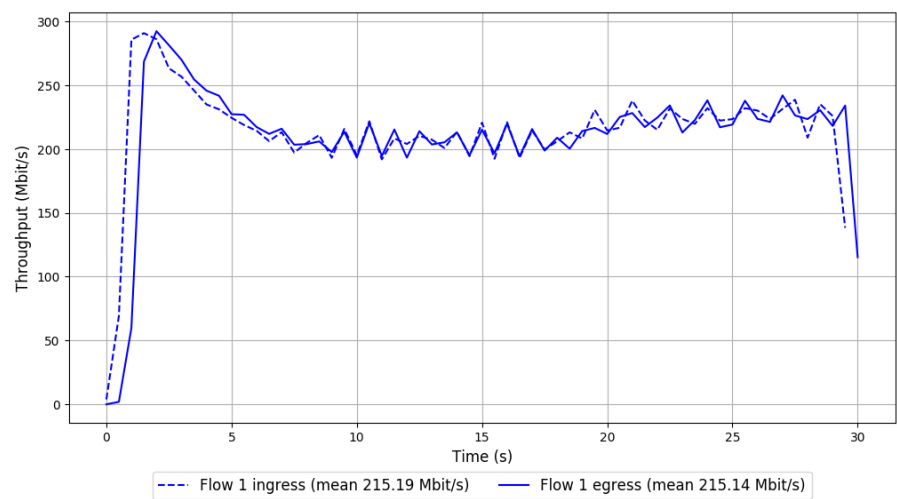
-- Flow 1:

Average throughput: 215.14 Mbit/s

95th percentile per-packet one-way delay: 52.318 ms

Loss rate: 0.36%

Run 4: Report of Indigo — Data Link

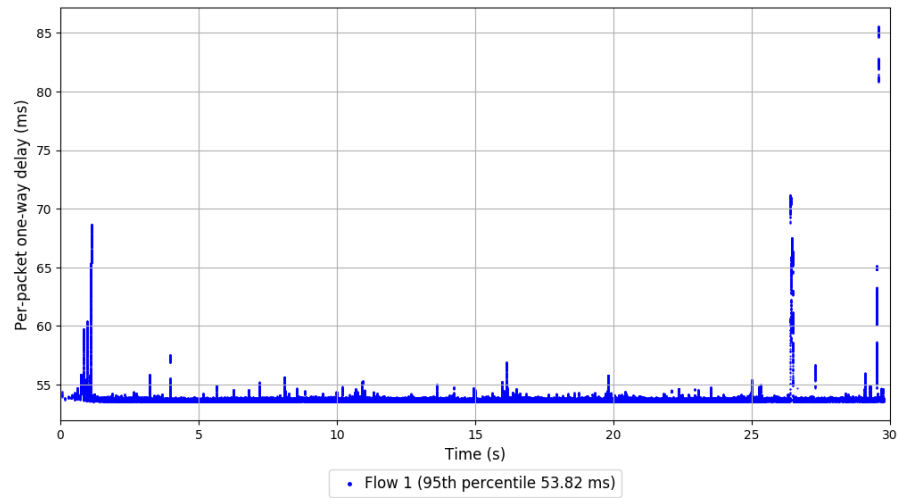
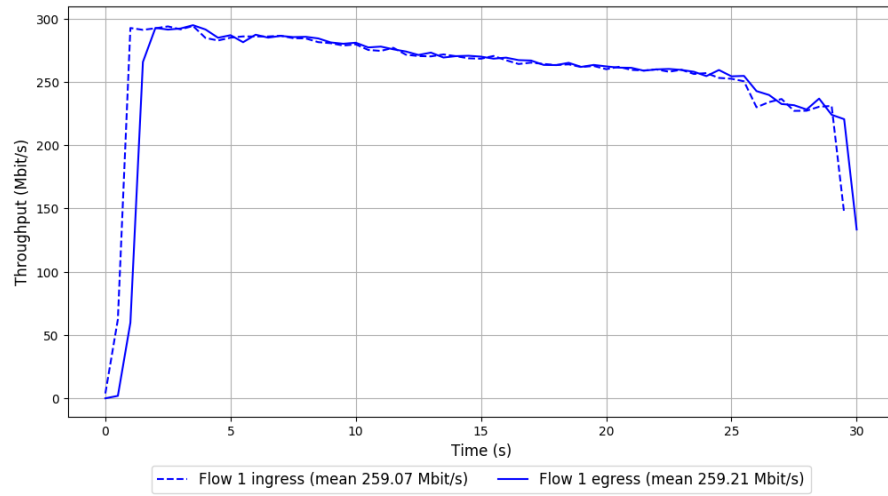


Run 5: Statistics of Indigo

Start at: 2018-07-02 00:29:00
End at: 2018-07-02 00:29:30
Local clock offset: 0.055 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2018-07-02 03:25:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 259.21 Mbit/s
95th percentile per-packet one-way delay: 53.822 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 259.21 Mbit/s
95th percentile per-packet one-way delay: 53.822 ms
Loss rate: 0.30%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-02 00:50:05

End at: 2018-07-02 00:50:35

Local clock offset: -0.219 ms

Remote clock offset: 1.338 ms

Below is generated by plot.py at 2018-07-02 03:25:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 242.85 Mbit/s

95th percentile per-packet one-way delay: 52.010 ms

Loss rate: 0.31%

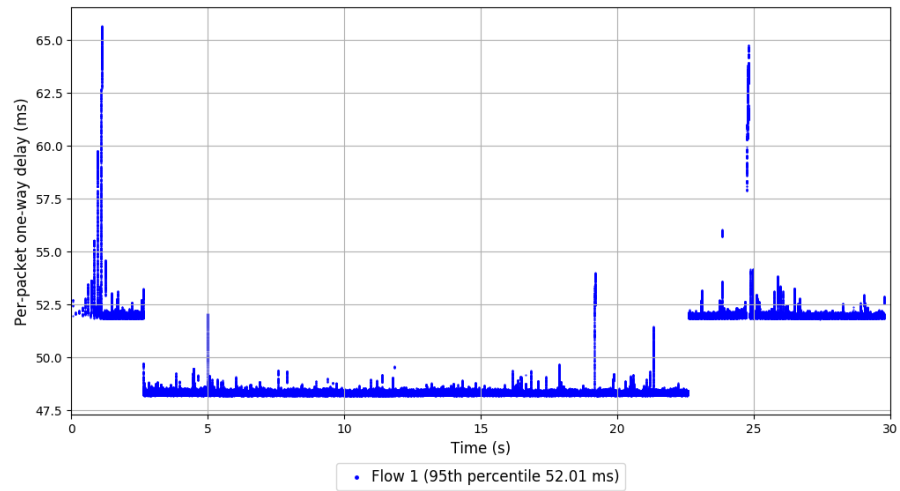
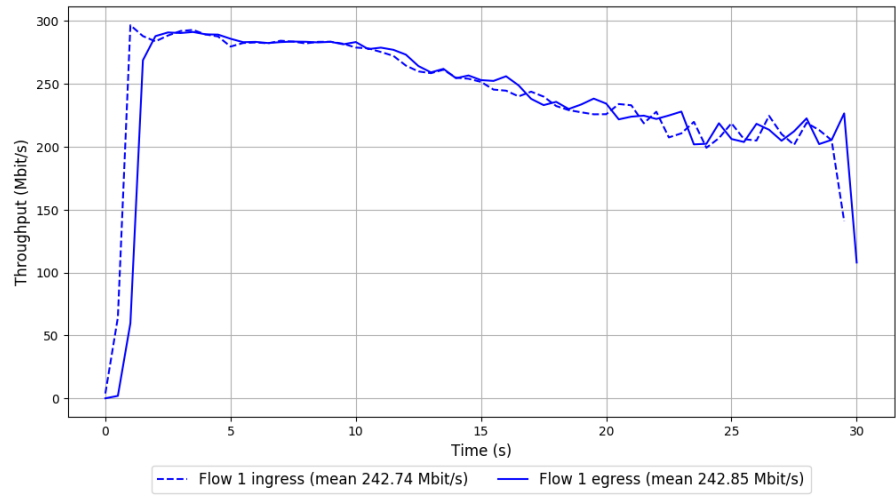
-- Flow 1:

Average throughput: 242.85 Mbit/s

95th percentile per-packet one-way delay: 52.010 ms

Loss rate: 0.31%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-02 01:11:19

End at: 2018-07-02 01:11:49

Local clock offset: -0.023 ms

Remote clock offset: 1.073 ms

Below is generated by plot.py at 2018-07-02 03:25:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.40 Mbit/s

95th percentile per-packet one-way delay: 52.483 ms

Loss rate: 0.35%

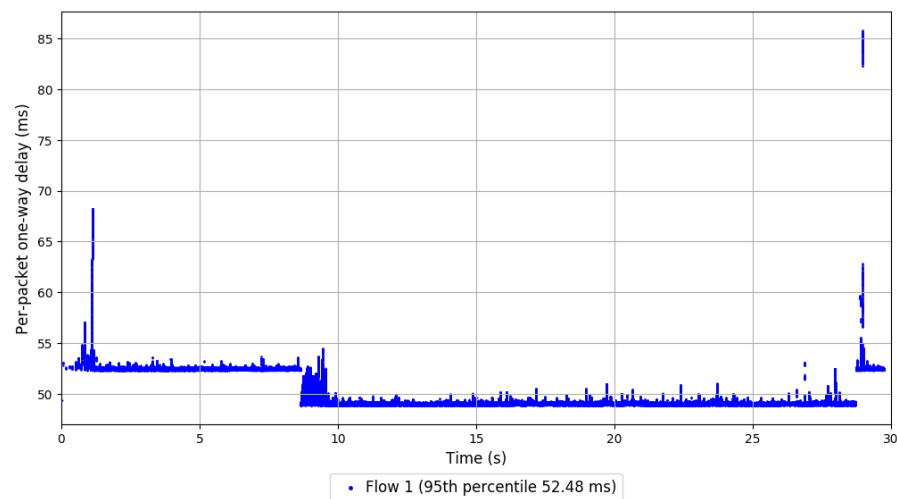
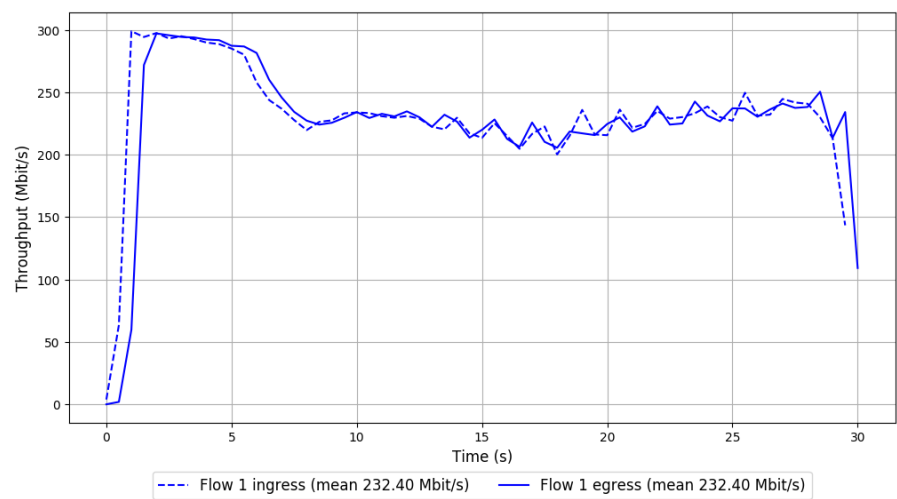
-- Flow 1:

Average throughput: 232.40 Mbit/s

95th percentile per-packet one-way delay: 52.483 ms

Loss rate: 0.35%

Run 7: Report of Indigo — Data Link

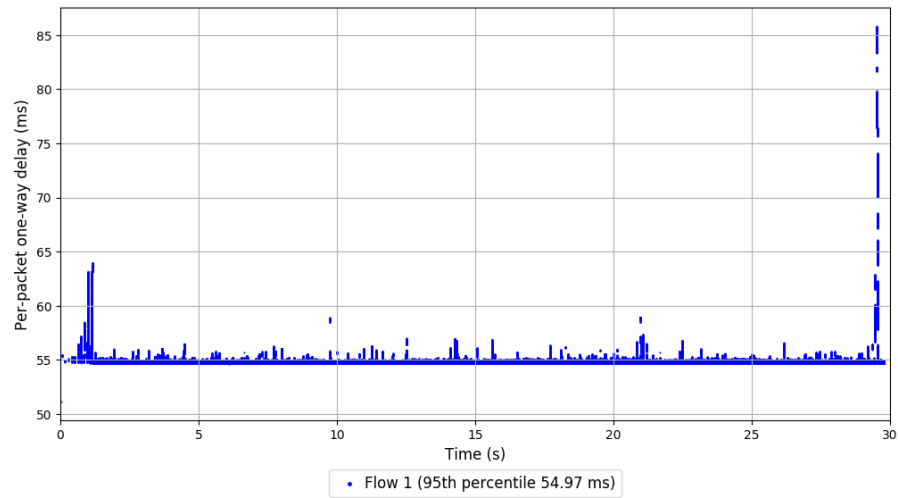
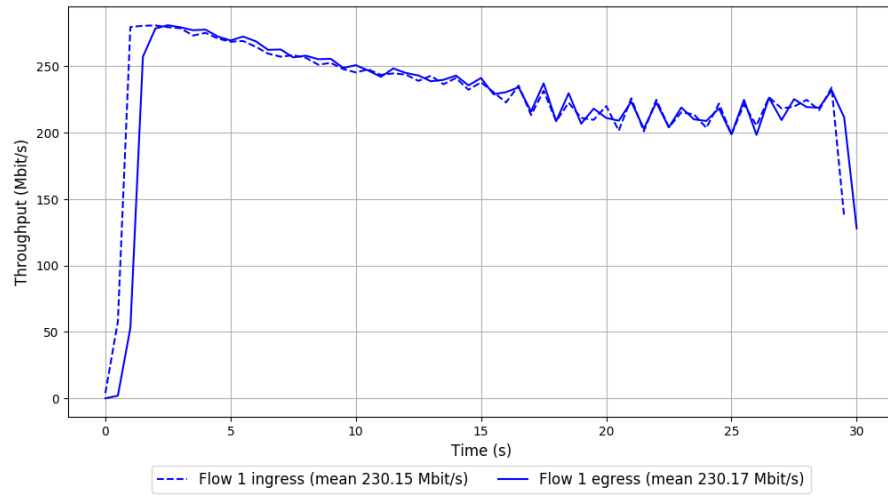


Run 8: Statistics of Indigo

Start at: 2018-07-02 01:32:36
End at: 2018-07-02 01:33:06
Local clock offset: -0.167 ms
Remote clock offset: -1.339 ms

Below is generated by plot.py at 2018-07-02 03:25:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 230.17 Mbit/s
95th percentile per-packet one-way delay: 54.972 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 230.17 Mbit/s
95th percentile per-packet one-way delay: 54.972 ms
Loss rate: 0.33%

Run 8: Report of Indigo — Data Link

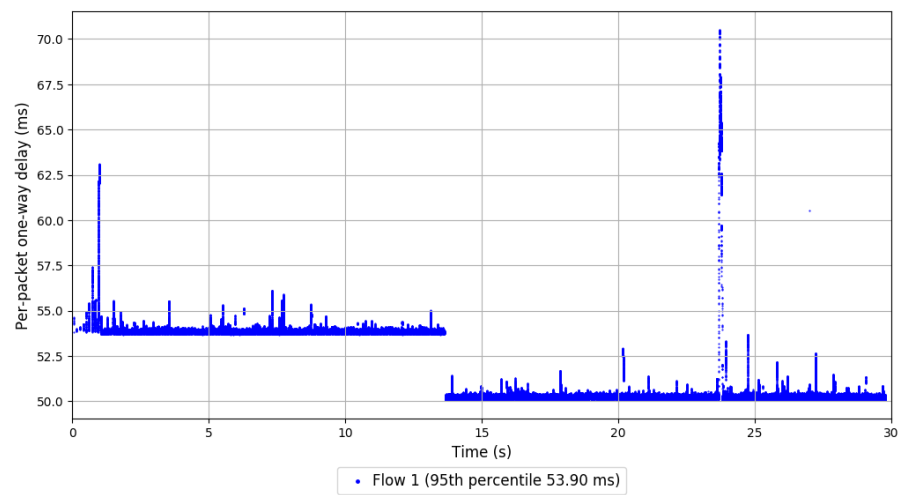
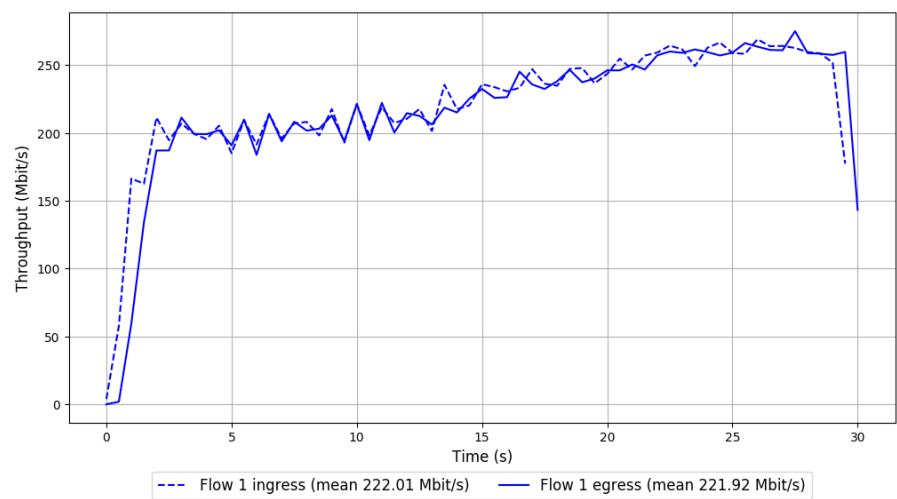


Run 9: Statistics of Indigo

Start at: 2018-07-02 01:53:34
End at: 2018-07-02 01:54:04
Local clock offset: -0.214 ms
Remote clock offset: -0.204 ms

Below is generated by plot.py at 2018-07-02 03:25:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.92 Mbit/s
95th percentile per-packet one-way delay: 53.899 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 221.92 Mbit/s
95th percentile per-packet one-way delay: 53.899 ms
Loss rate: 0.40%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-02 02:14:52

End at: 2018-07-02 02:15:22

Local clock offset: -0.053 ms

Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-02 03:25:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 240.63 Mbit/s

95th percentile per-packet one-way delay: 53.768 ms

Loss rate: 0.36%

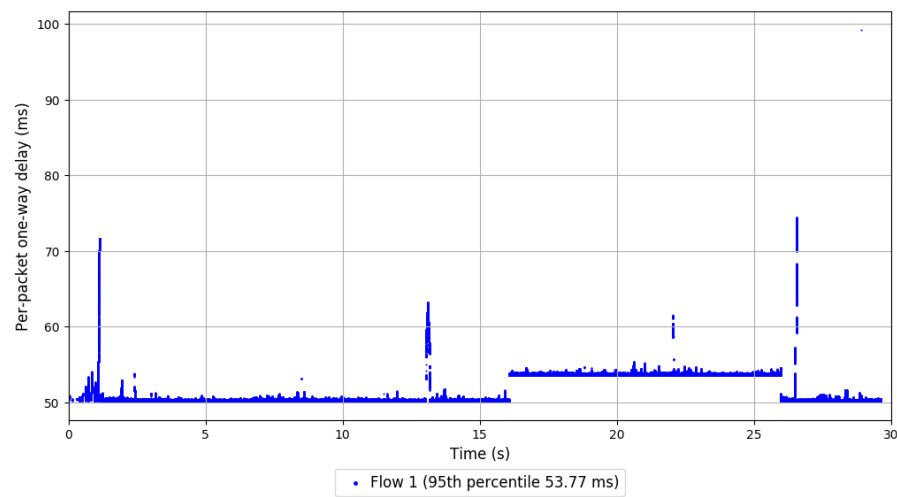
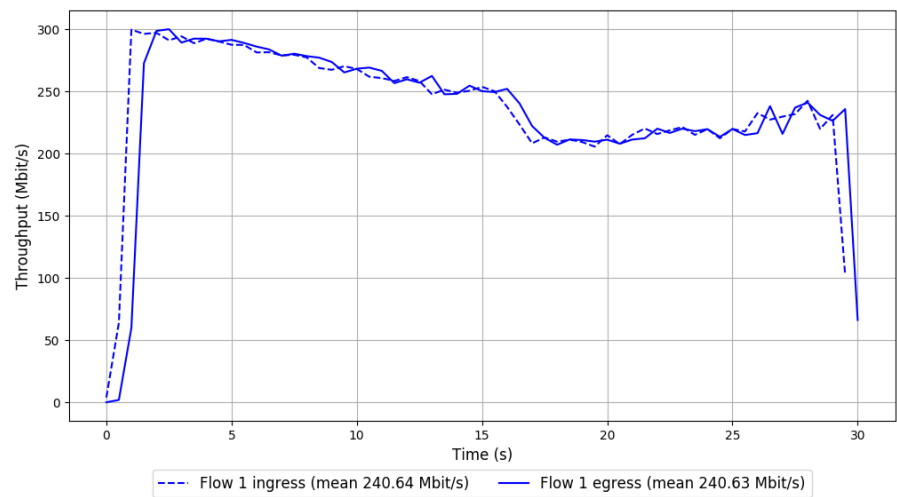
-- Flow 1:

Average throughput: 240.63 Mbit/s

95th percentile per-packet one-way delay: 53.768 ms

Loss rate: 0.36%

Run 10: Report of Indigo — Data Link

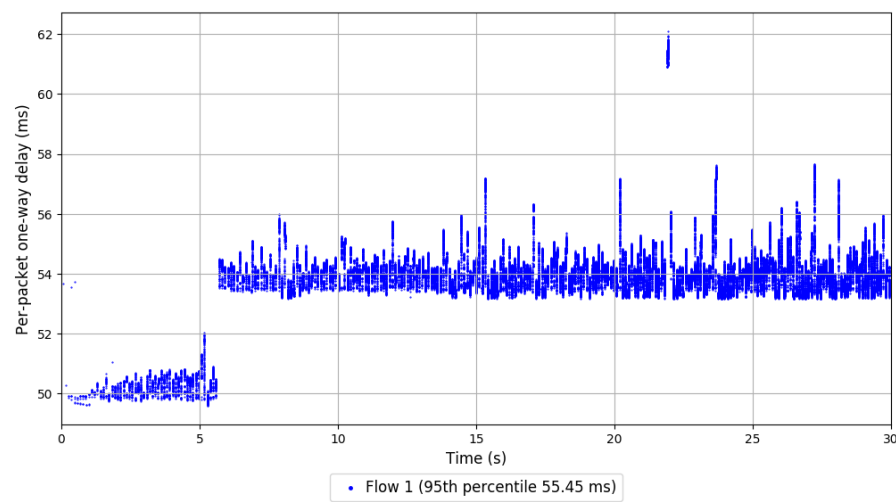
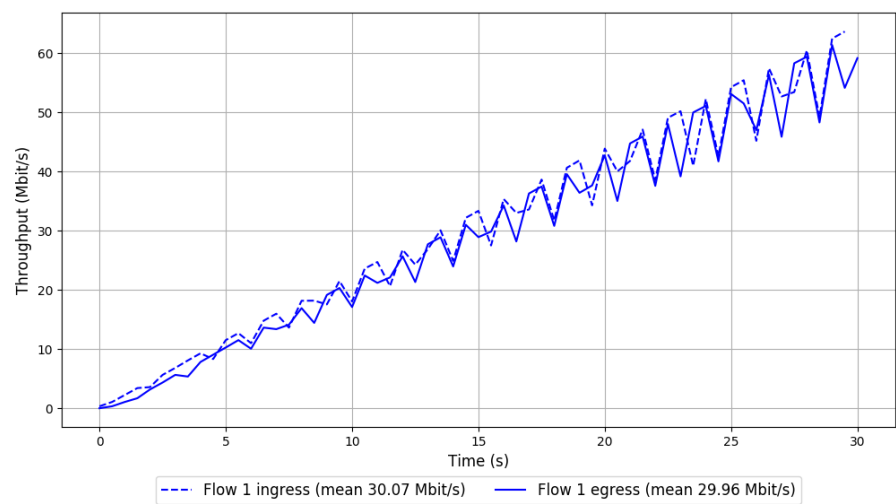


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-01 23:00:32
End at: 2018-07-01 23:01:03
Local clock offset: -0.059 ms
Remote clock offset: 0.145 ms

# Below is generated by plot.py at 2018-07-02 03:25:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.96 Mbit/s
95th percentile per-packet one-way delay: 55.454 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 29.96 Mbit/s
95th percentile per-packet one-way delay: 55.454 ms
Loss rate: 0.71%
```

Run 1: Report of LEDBAT — Data Link

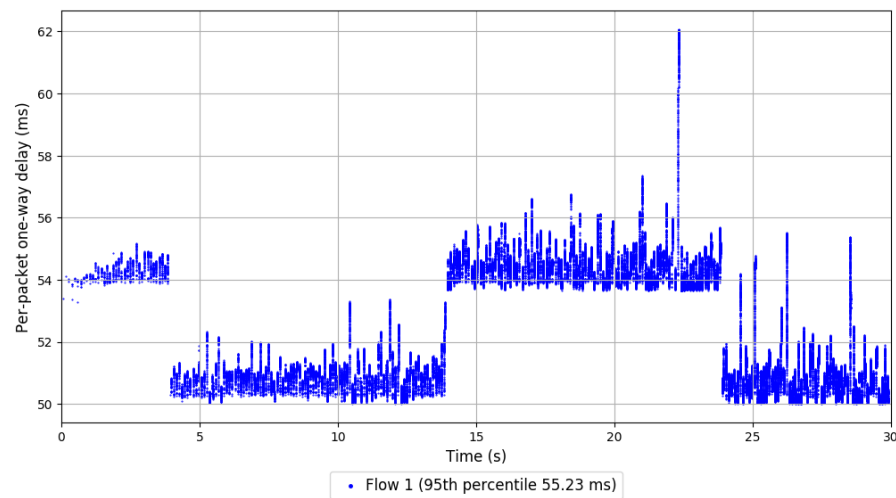
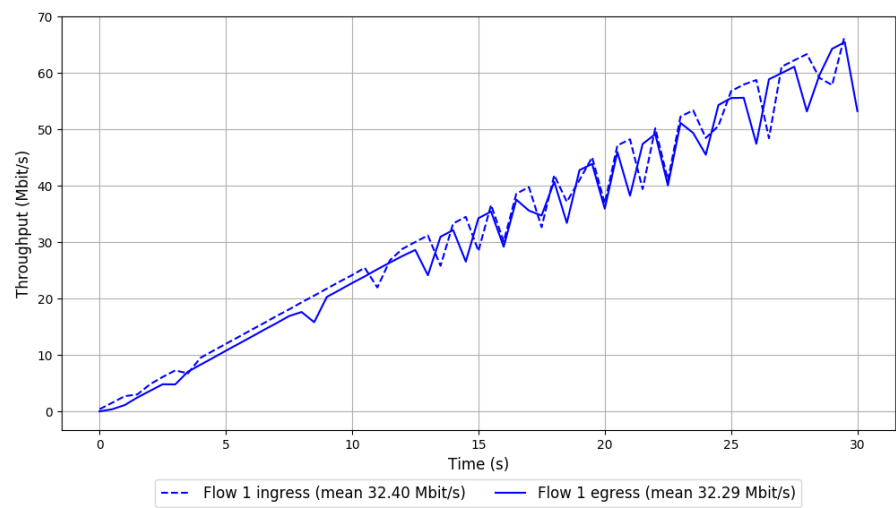


Run 2: Statistics of LEDBAT

Start at: 2018-07-01 23:21:54
End at: 2018-07-01 23:22:24
Local clock offset: -0.046 ms
Remote clock offset: -0.404 ms

Below is generated by plot.py at 2018-07-02 03:25:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.29 Mbit/s
95th percentile per-packet one-way delay: 55.234 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 32.29 Mbit/s
95th percentile per-packet one-way delay: 55.234 ms
Loss rate: 0.69%

Run 2: Report of LEDBAT — Data Link

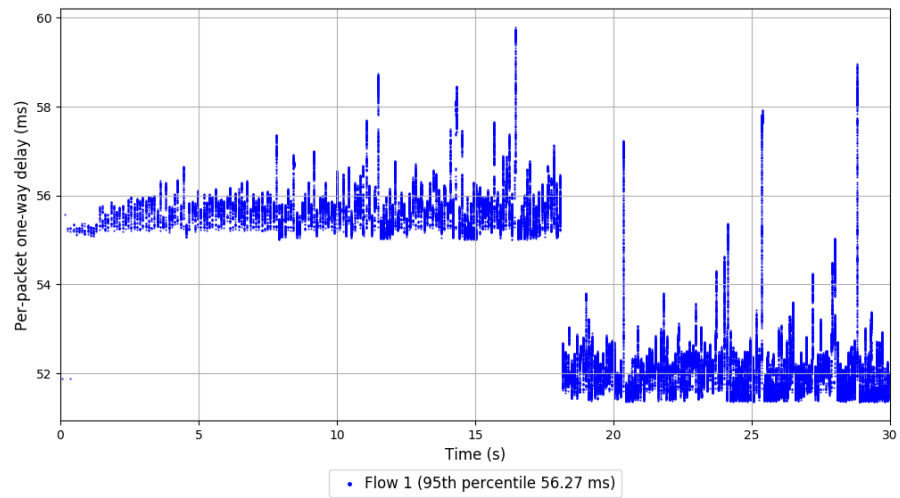
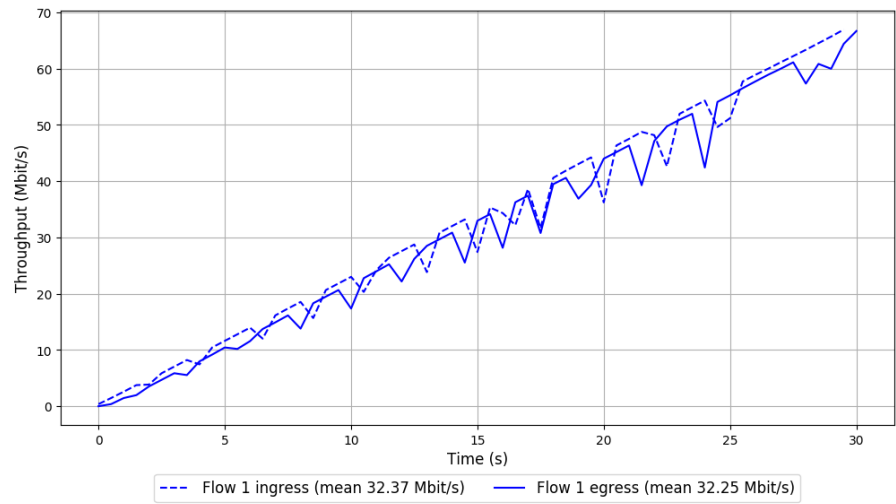


Run 3: Statistics of LEDBAT

Start at: 2018-07-01 23:43:20
End at: 2018-07-01 23:43:50
Local clock offset: 0.146 ms
Remote clock offset: -1.464 ms

Below is generated by plot.py at 2018-07-02 03:25:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.25 Mbit/s
95th percentile per-packet one-way delay: 56.273 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 32.25 Mbit/s
95th percentile per-packet one-way delay: 56.273 ms
Loss rate: 0.69%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-02 00:04:45

End at: 2018-07-02 00:05:15

Local clock offset: -0.07 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-07-02 03:25:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.89 Mbit/s

95th percentile per-packet one-way delay: 54.884 ms

Loss rate: 0.71%

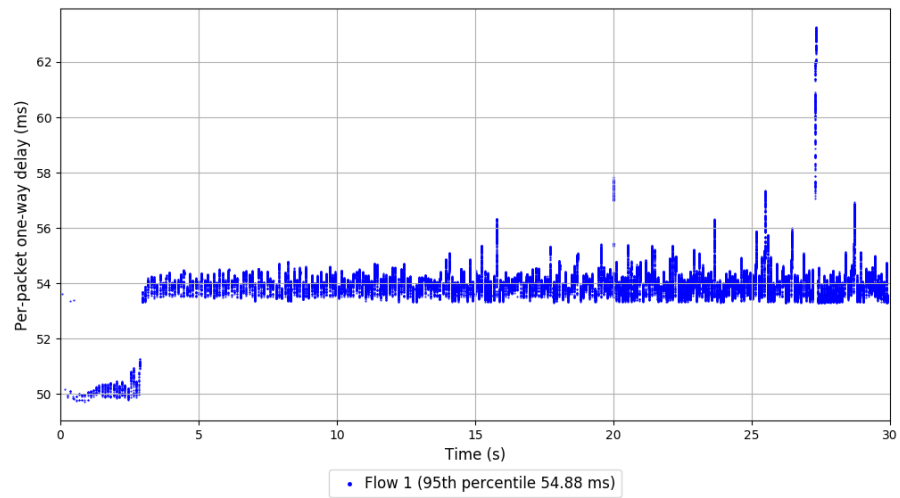
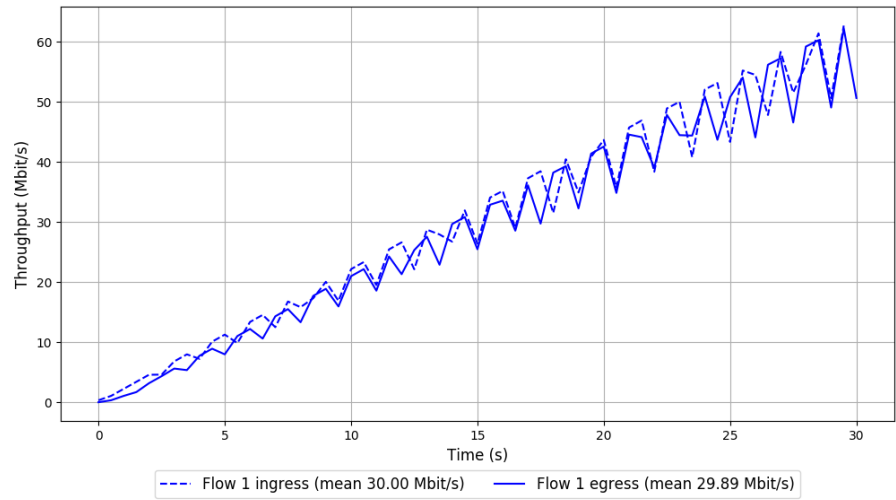
-- Flow 1:

Average throughput: 29.89 Mbit/s

95th percentile per-packet one-way delay: 54.884 ms

Loss rate: 0.71%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-02 00:26:19

End at: 2018-07-02 00:26:49

Local clock offset: 0.088 ms

Remote clock offset: 0.252 ms

Below is generated by plot.py at 2018-07-02 03:25:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.60 Mbit/s

95th percentile per-packet one-way delay: 54.558 ms

Loss rate: 0.69%

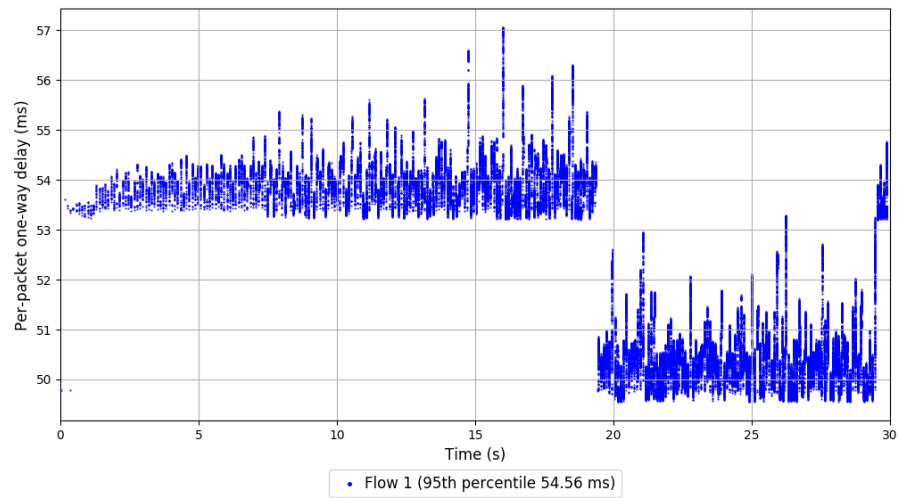
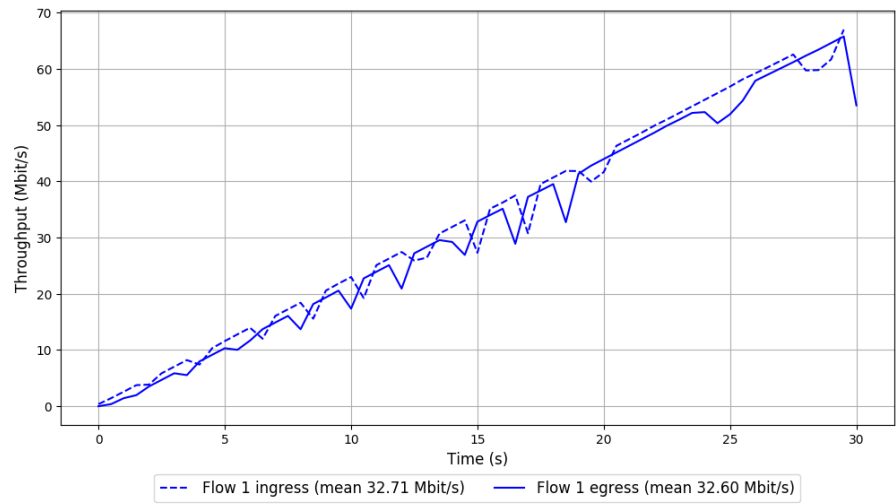
-- Flow 1:

Average throughput: 32.60 Mbit/s

95th percentile per-packet one-way delay: 54.558 ms

Loss rate: 0.69%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-02 00:47:23

End at: 2018-07-02 00:47:53

Local clock offset: 0.209 ms

Remote clock offset: 1.023 ms

Below is generated by plot.py at 2018-07-02 03:25:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.77 Mbit/s

95th percentile per-packet one-way delay: 54.699 ms

Loss rate: 0.69%

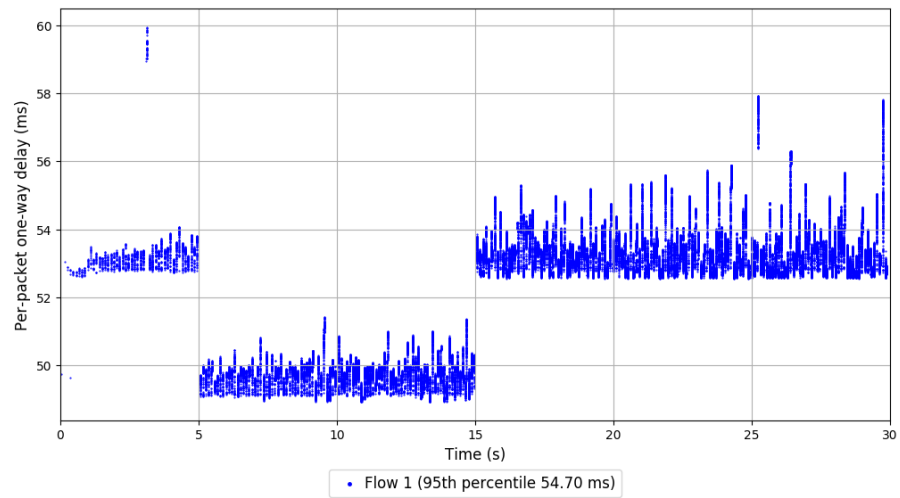
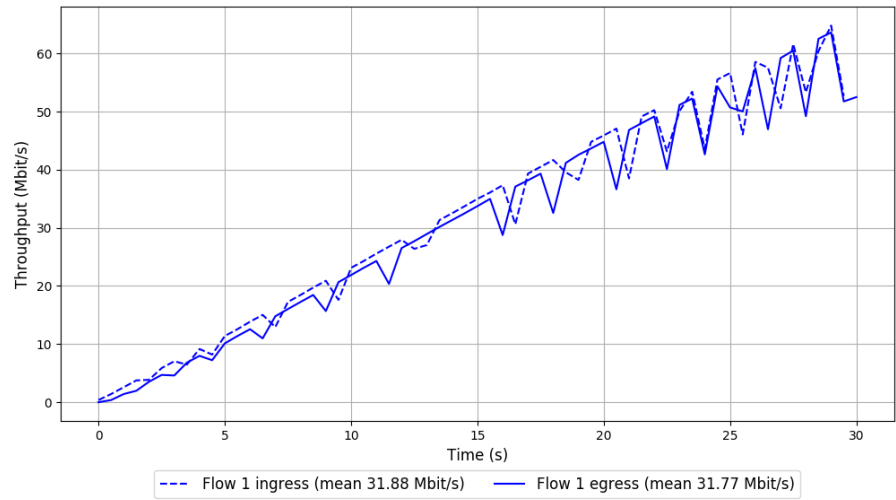
-- Flow 1:

Average throughput: 31.77 Mbit/s

95th percentile per-packet one-way delay: 54.699 ms

Loss rate: 0.69%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-02 01:08:35

End at: 2018-07-02 01:09:05

Local clock offset: -0.012 ms

Remote clock offset: -0.33 ms

Below is generated by plot.py at 2018-07-02 03:25:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.61 Mbit/s

95th percentile per-packet one-way delay: 55.202 ms

Loss rate: 0.69%

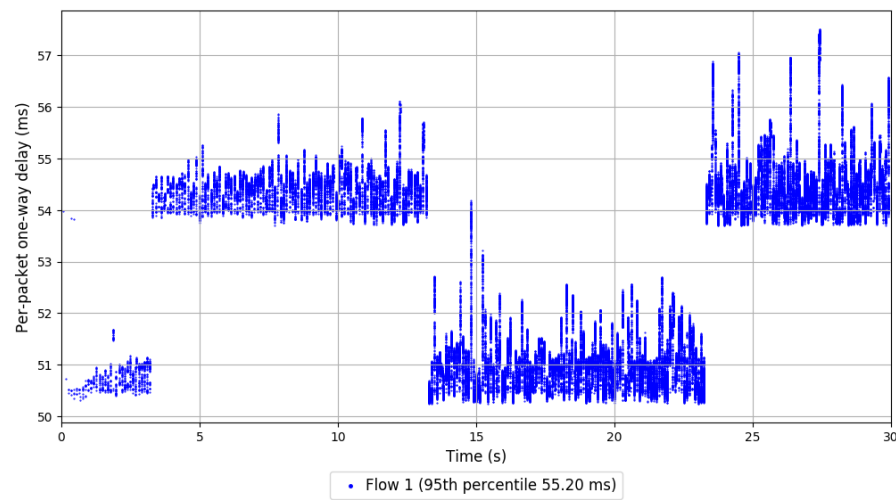
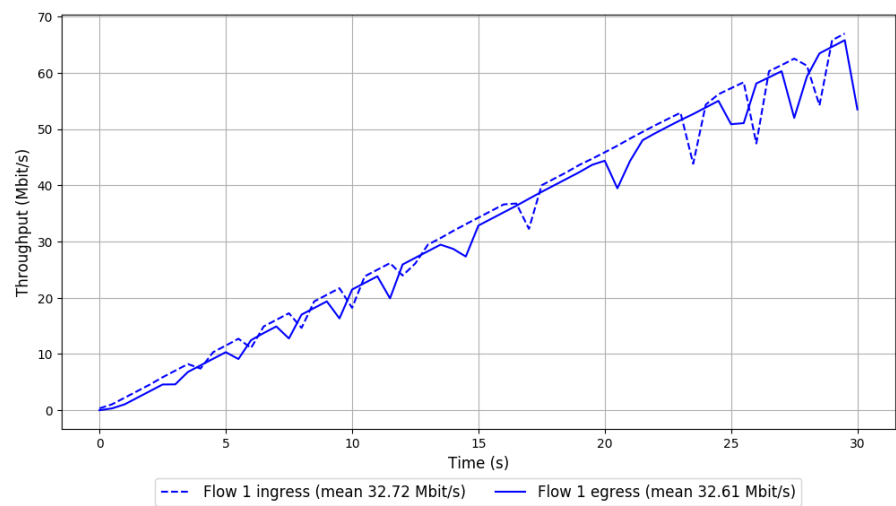
-- Flow 1:

Average throughput: 32.61 Mbit/s

95th percentile per-packet one-way delay: 55.202 ms

Loss rate: 0.69%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-02 01:29:52

End at: 2018-07-02 01:30:22

Local clock offset: -0.019 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-07-02 03:25:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.36 Mbit/s

95th percentile per-packet one-way delay: 54.689 ms

Loss rate: 0.70%

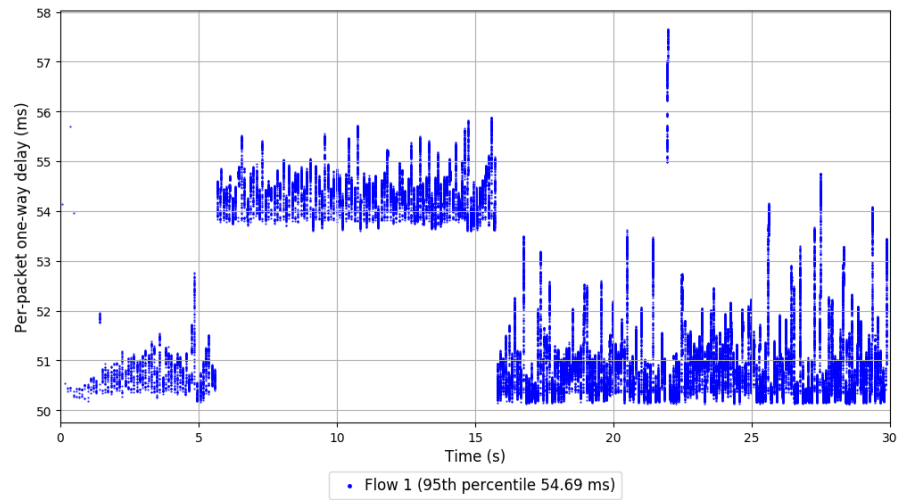
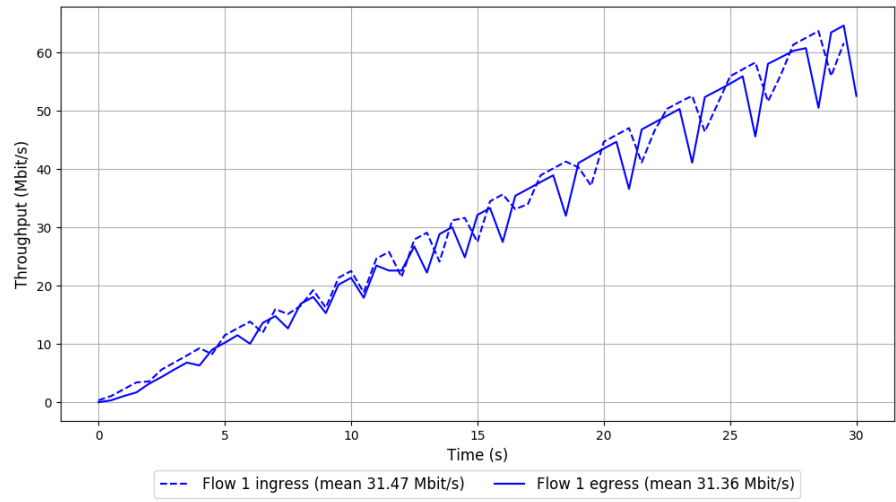
-- Flow 1:

Average throughput: 31.36 Mbit/s

95th percentile per-packet one-way delay: 54.689 ms

Loss rate: 0.70%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-02 01:50:49

End at: 2018-07-02 01:51:19

Local clock offset: -0.069 ms

Remote clock offset: 1.261 ms

Below is generated by plot.py at 2018-07-02 03:25:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.09 Mbit/s

95th percentile per-packet one-way delay: 53.065 ms

Loss rate: 0.69%

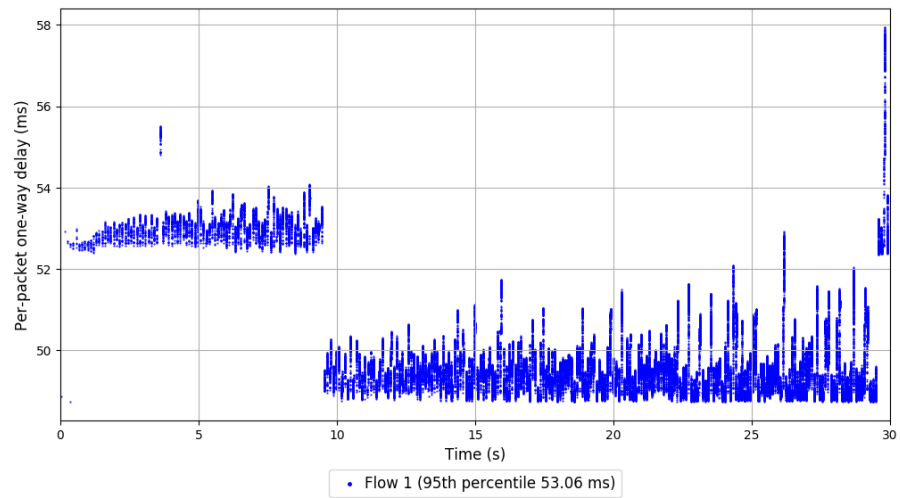
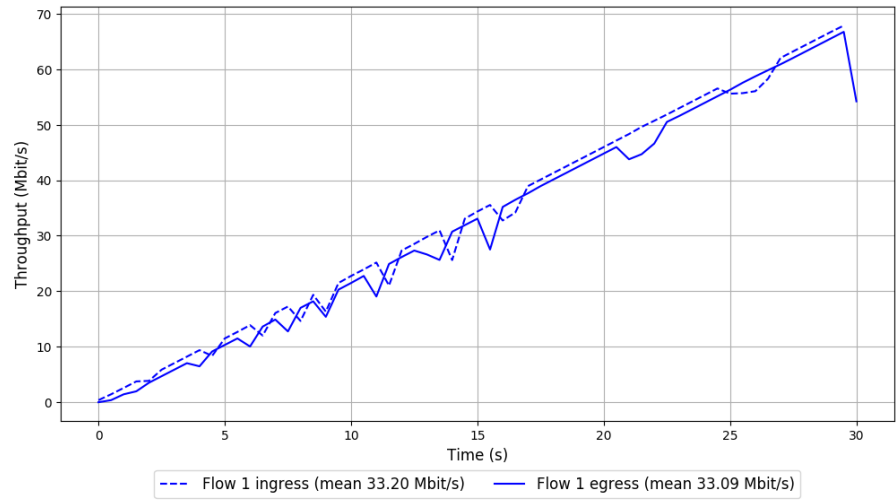
-- Flow 1:

Average throughput: 33.09 Mbit/s

95th percentile per-packet one-way delay: 53.065 ms

Loss rate: 0.69%

Run 9: Report of LEDBAT — Data Link

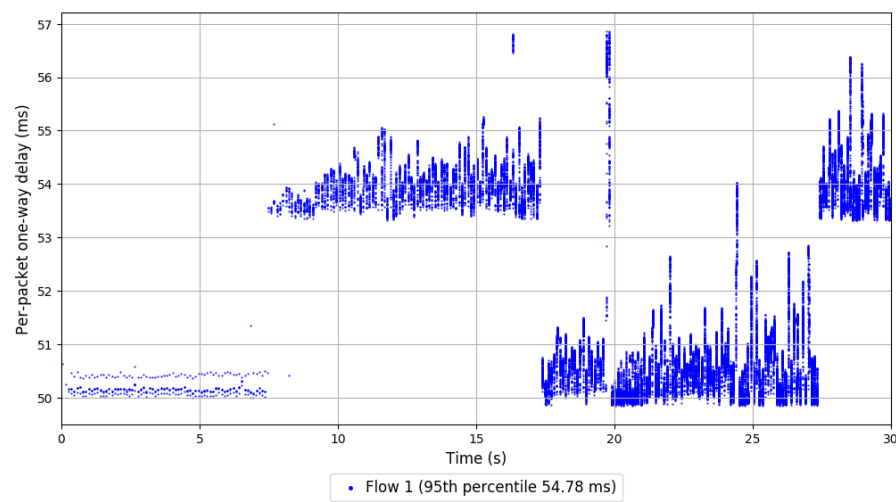
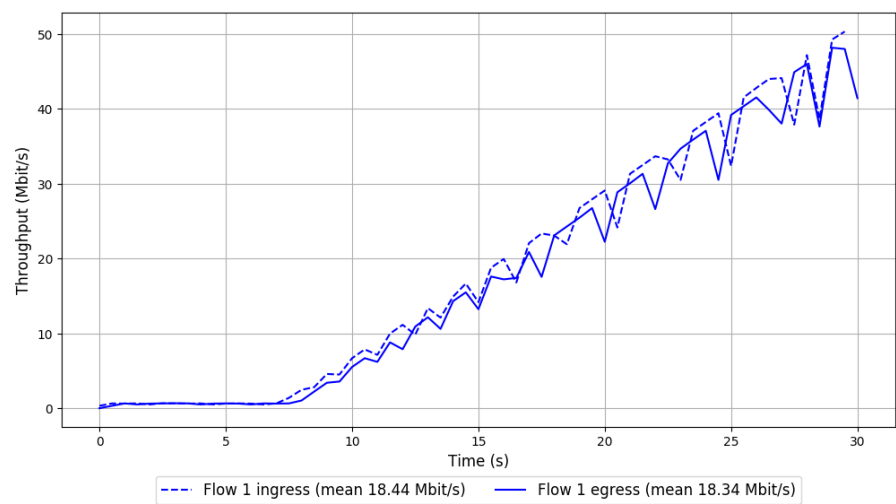


Run 10: Statistics of LEDBAT

Start at: 2018-07-02 02:12:11
End at: 2018-07-02 02:12:41
Local clock offset: -0.293 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-02 03:25:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.34 Mbit/s
95th percentile per-packet one-way delay: 54.779 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 18.34 Mbit/s
95th percentile per-packet one-way delay: 54.779 ms
Loss rate: 0.92%

Run 10: Report of LEDBAT — Data Link

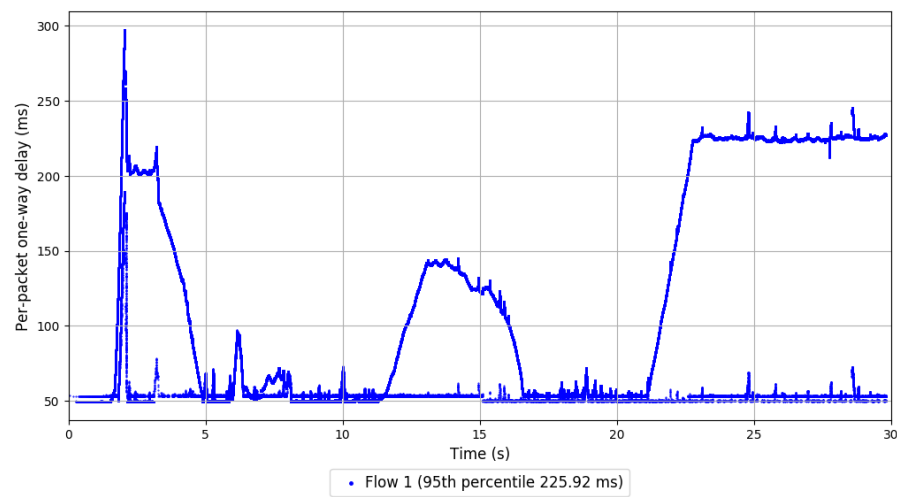
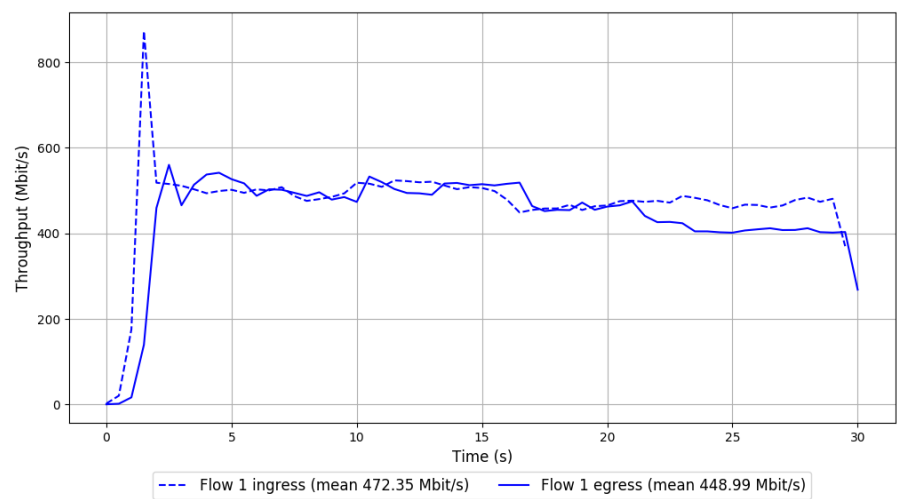


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-01 23:05:43
End at: 2018-07-01 23:06:13
Local clock offset: -0.098 ms
Remote clock offset: 0.254 ms

# Below is generated by plot.py at 2018-07-02 03:26:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 448.99 Mbit/s
95th percentile per-packet one-way delay: 225.924 ms
Loss rate: 5.28%
-- Flow 1:
Average throughput: 448.99 Mbit/s
95th percentile per-packet one-way delay: 225.924 ms
Loss rate: 5.28%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-01 23:27:04

End at: 2018-07-01 23:27:34

Local clock offset: -0.0 ms

Remote clock offset: -0.23 ms

Below is generated by plot.py at 2018-07-02 03:26:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 460.96 Mbit/s

95th percentile per-packet one-way delay: 200.227 ms

Loss rate: 1.39%

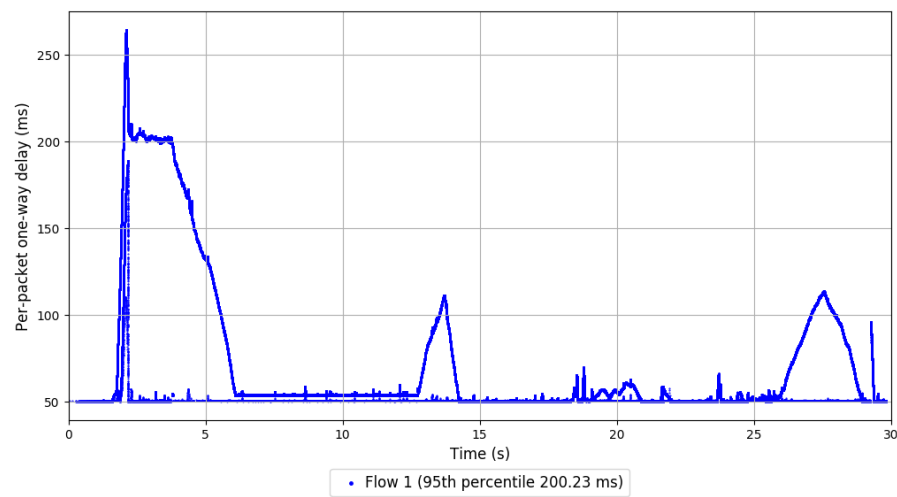
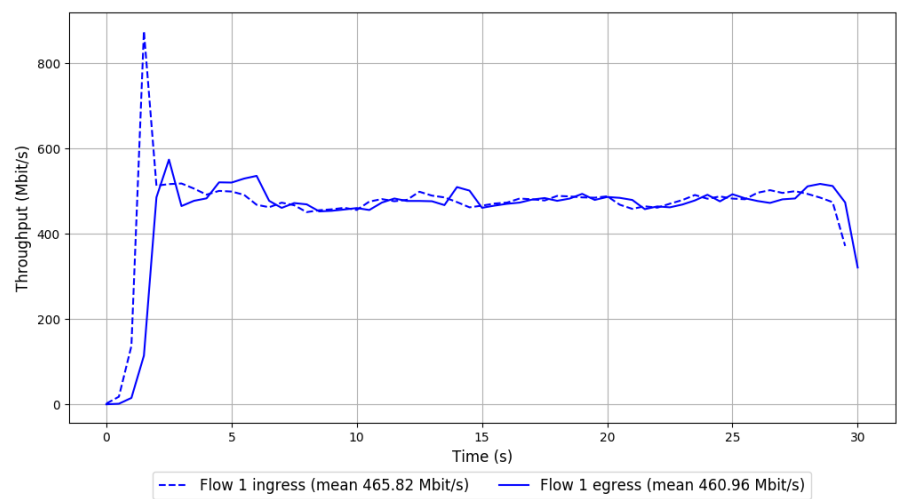
-- Flow 1:

Average throughput: 460.96 Mbit/s

95th percentile per-packet one-way delay: 200.227 ms

Loss rate: 1.39%

Run 2: Report of PCC-Allegro — Data Link

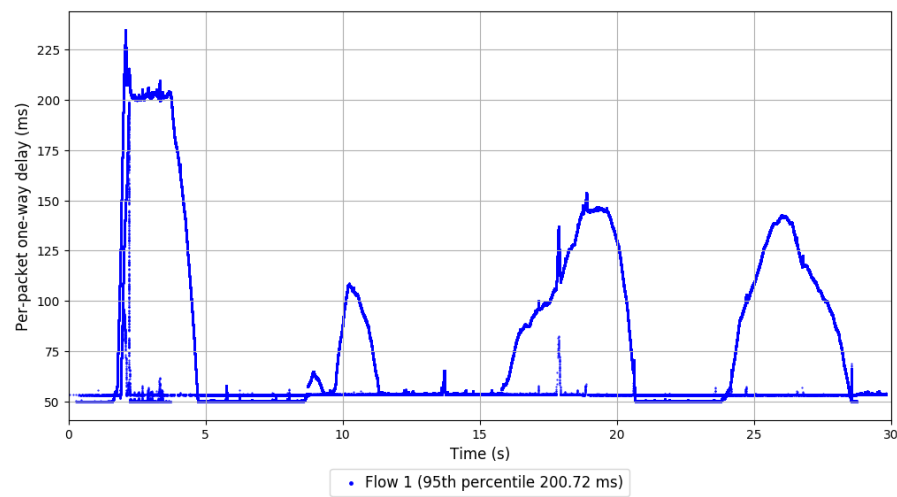
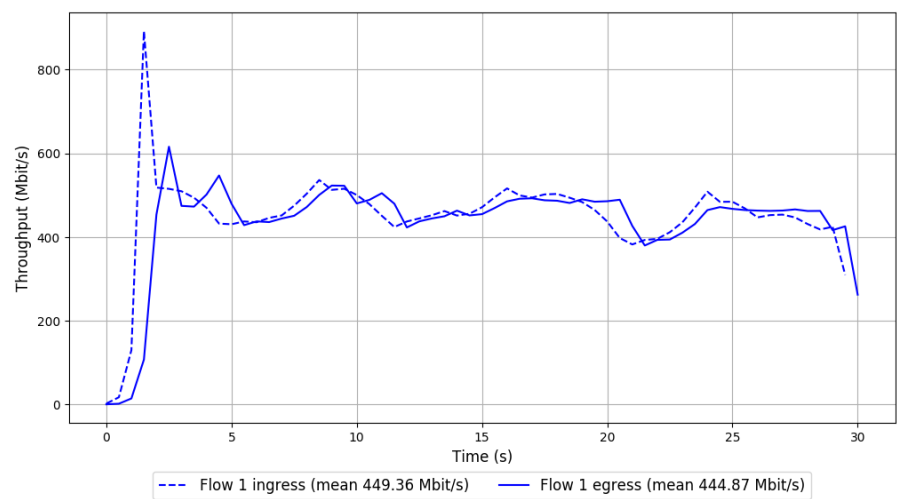


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-01 23:48:49
End at: 2018-07-01 23:49:19
Local clock offset: 0.151 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-02 03:26:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 444.87 Mbit/s
95th percentile per-packet one-way delay: 200.716 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 444.87 Mbit/s
95th percentile per-packet one-way delay: 200.716 ms
Loss rate: 1.35%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-02 00:10:09

End at: 2018-07-02 00:10:40

Local clock offset: 0.002 ms

Remote clock offset: -0.205 ms

Below is generated by plot.py at 2018-07-02 03:26:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 421.92 Mbit/s

95th percentile per-packet one-way delay: 115.835 ms

Loss rate: 1.92%

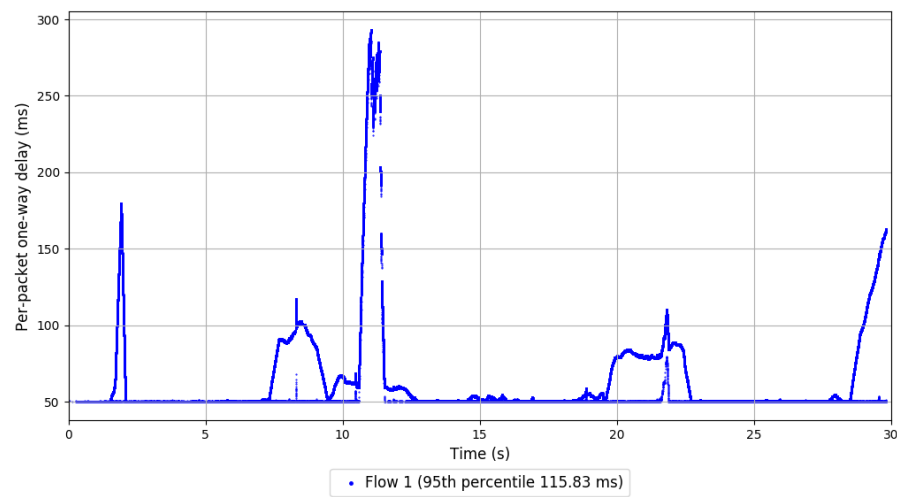
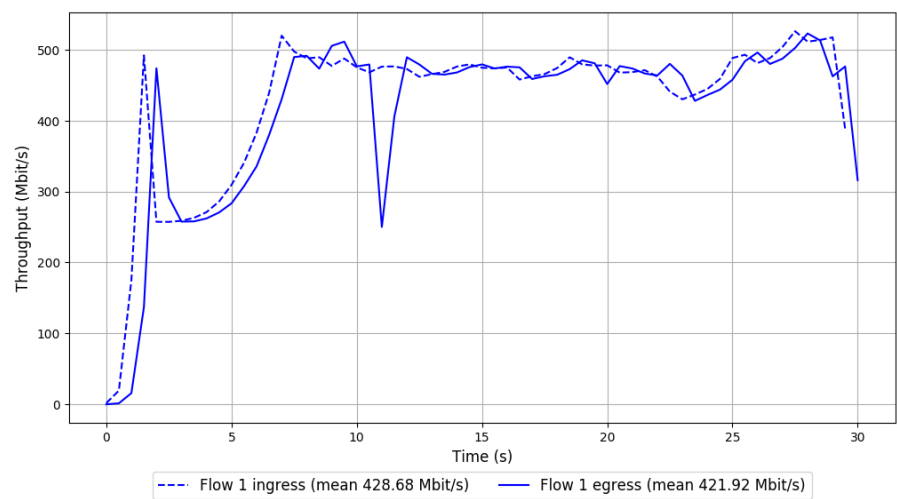
-- Flow 1:

Average throughput: 421.92 Mbit/s

95th percentile per-packet one-way delay: 115.835 ms

Loss rate: 1.92%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-02 00:31:29

End at: 2018-07-02 00:31:59

Local clock offset: 0.292 ms

Remote clock offset: 1.028 ms

Below is generated by plot.py at 2018-07-02 03:27:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 452.22 Mbit/s

95th percentile per-packet one-way delay: 190.662 ms

Loss rate: 1.53%

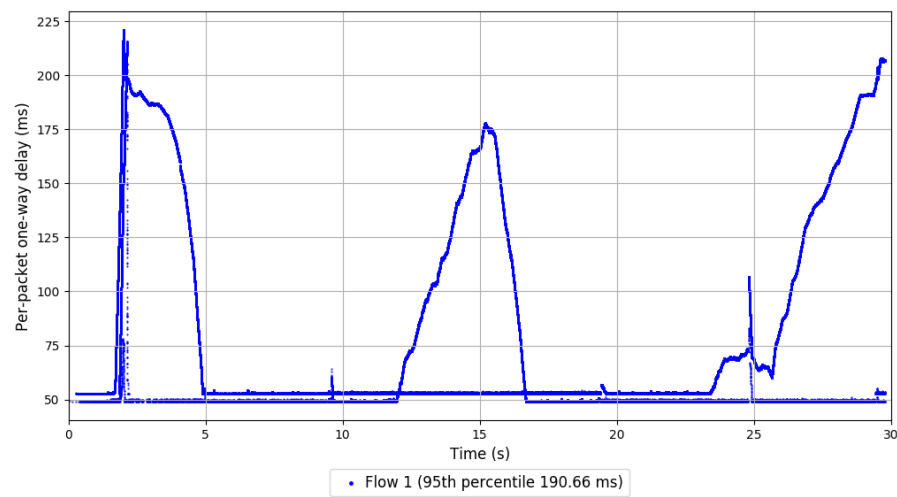
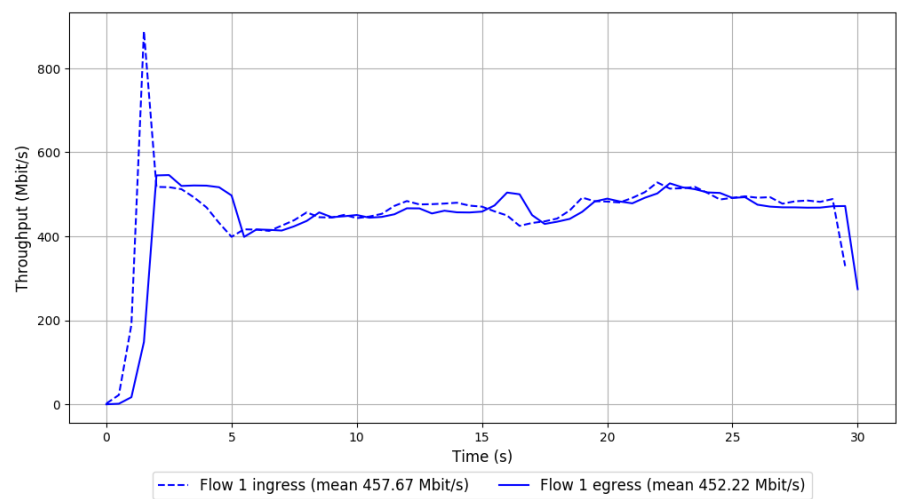
-- Flow 1:

Average throughput: 452.22 Mbit/s

95th percentile per-packet one-way delay: 190.662 ms

Loss rate: 1.53%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-02 00:52:33

End at: 2018-07-02 00:53:03

Local clock offset: 0.101 ms

Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-07-02 03:27:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 380.87 Mbit/s

95th percentile per-packet one-way delay: 184.712 ms

Loss rate: 1.12%

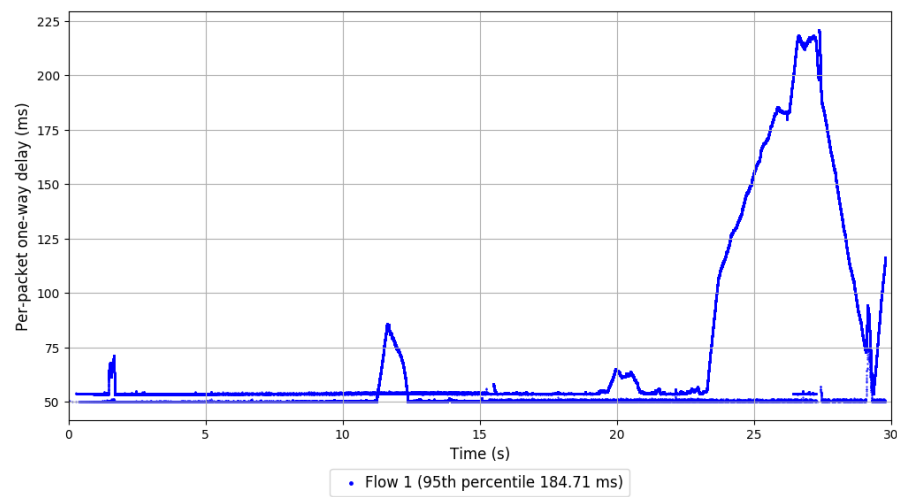
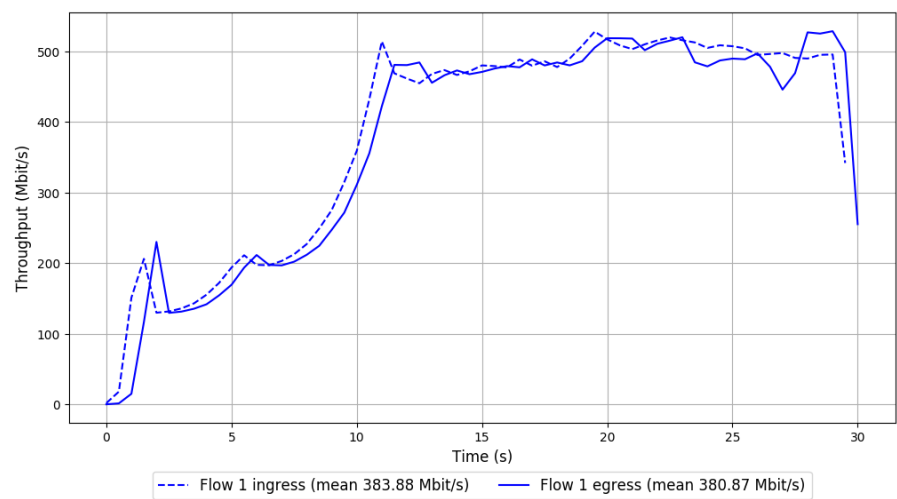
-- Flow 1:

Average throughput: 380.87 Mbit/s

95th percentile per-packet one-way delay: 184.712 ms

Loss rate: 1.12%

Run 6: Report of PCC-Allegro — Data Link

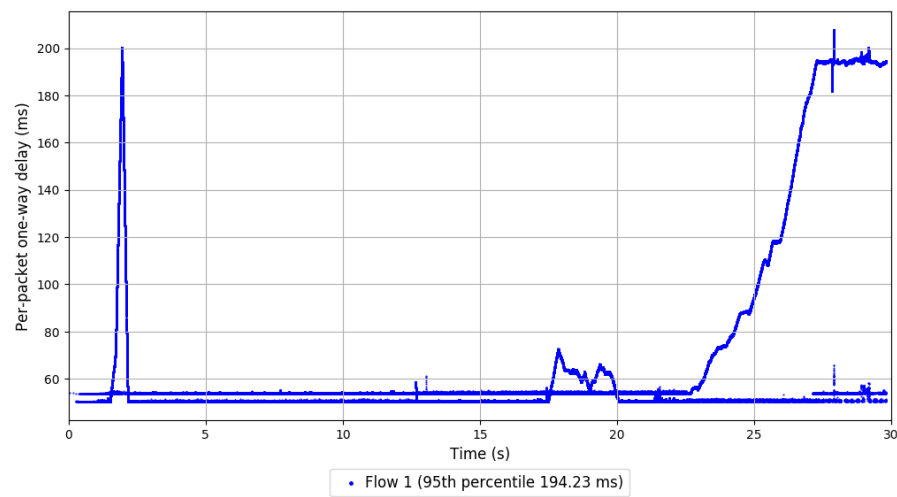
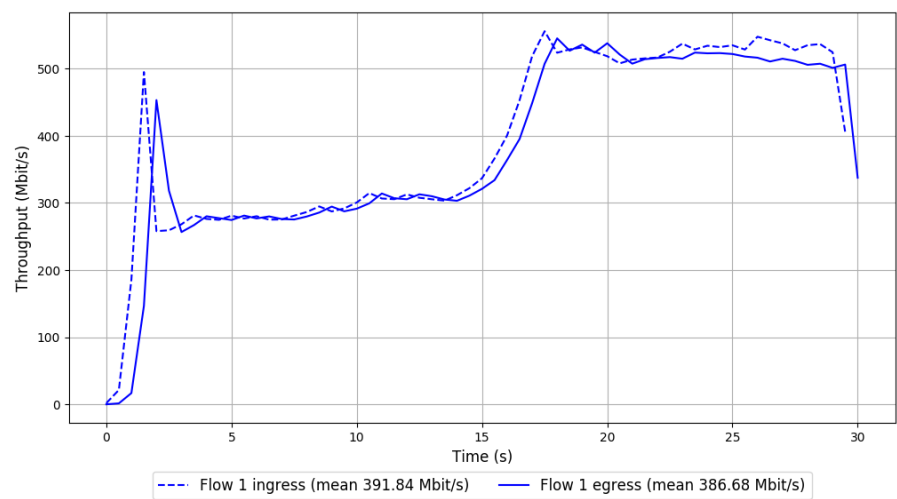


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-02 01:14:05
End at: 2018-07-02 01:14:35
Local clock offset: 0.258 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-02 03:30:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 386.68 Mbit/s
95th percentile per-packet one-way delay: 194.232 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 386.68 Mbit/s
95th percentile per-packet one-way delay: 194.232 ms
Loss rate: 1.67%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-02 01:35:06

End at: 2018-07-02 01:35:36

Local clock offset: -0.048 ms

Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-02 03:30:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 360.78 Mbit/s

95th percentile per-packet one-way delay: 159.988 ms

Loss rate: 0.88%

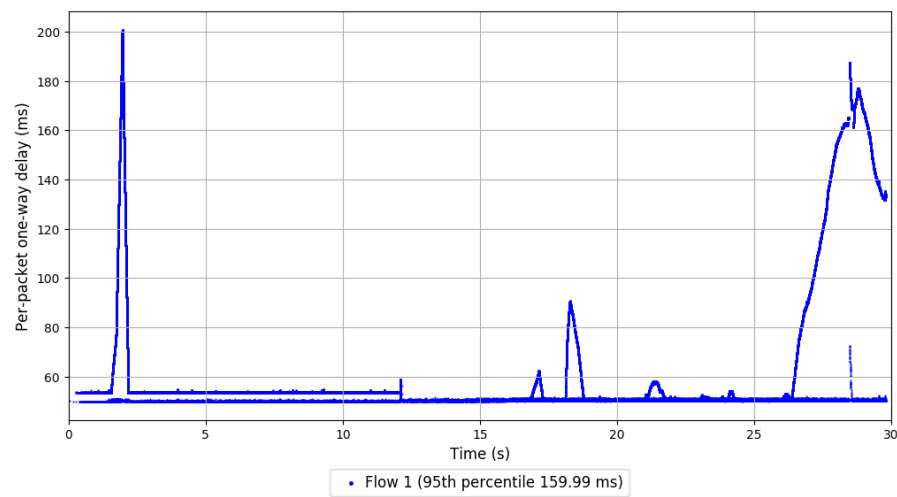
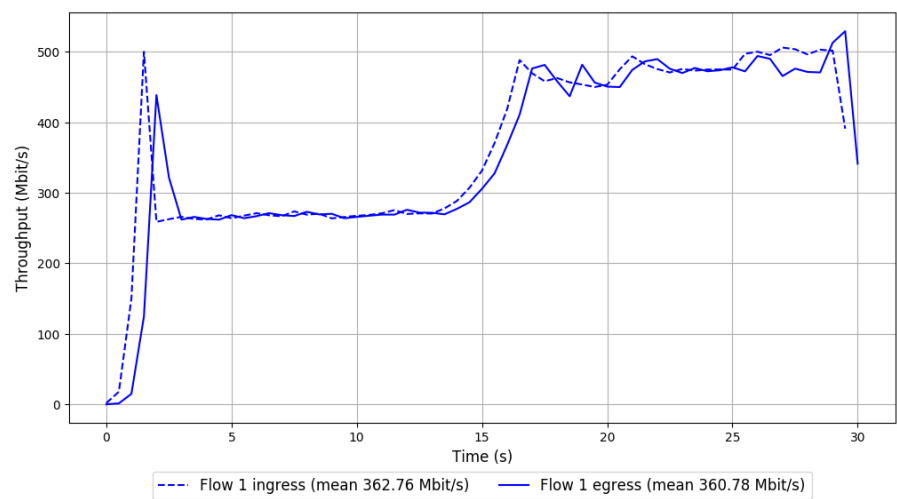
-- Flow 1:

Average throughput: 360.78 Mbit/s

95th percentile per-packet one-way delay: 159.988 ms

Loss rate: 0.88%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-02 01:56:18

End at: 2018-07-02 01:56:48

Local clock offset: -0.103 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-07-02 03:34:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 429.81 Mbit/s

95th percentile per-packet one-way delay: 252.144 ms

Loss rate: 7.65%

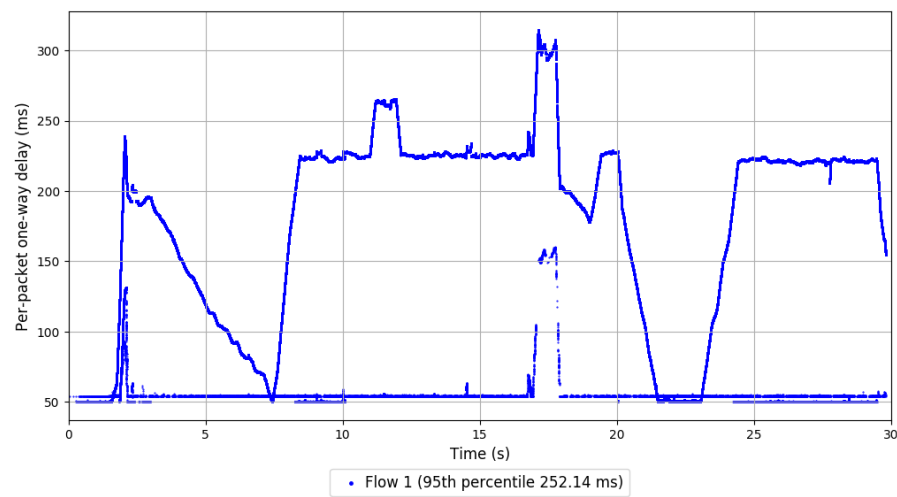
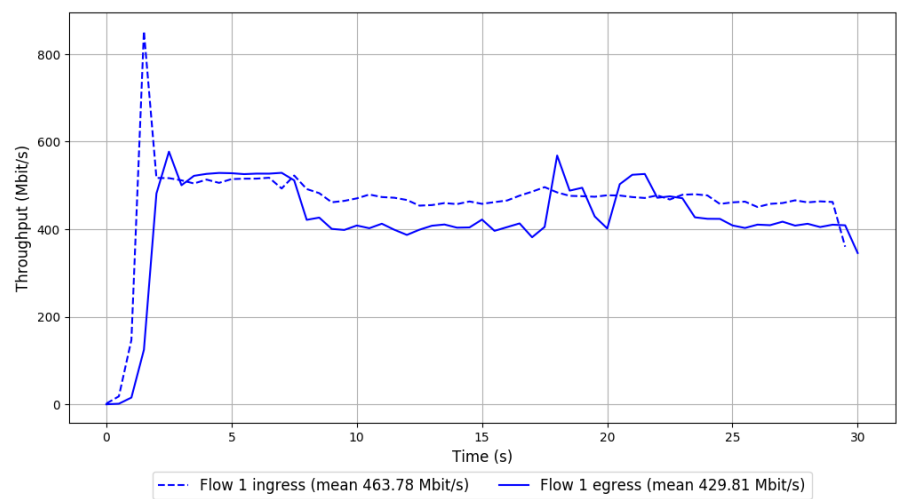
-- Flow 1:

Average throughput: 429.81 Mbit/s

95th percentile per-packet one-way delay: 252.144 ms

Loss rate: 7.65%

Run 9: Report of PCC-Allegro — Data Link

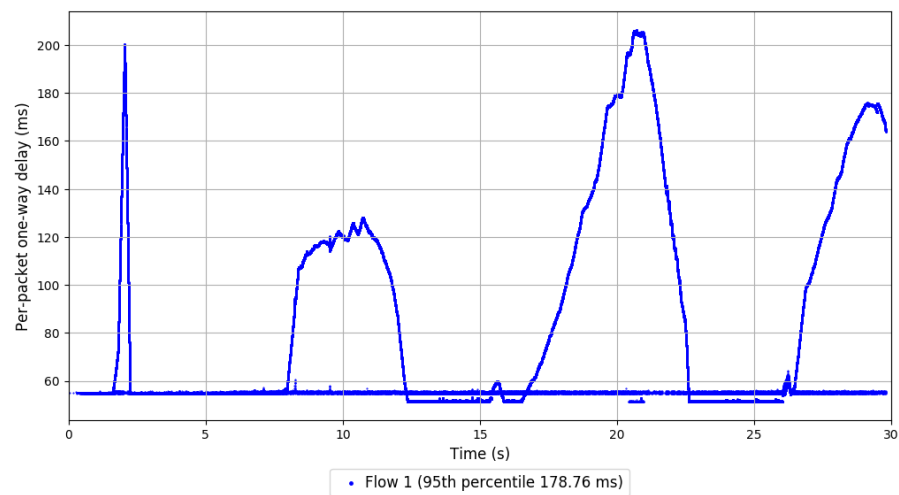
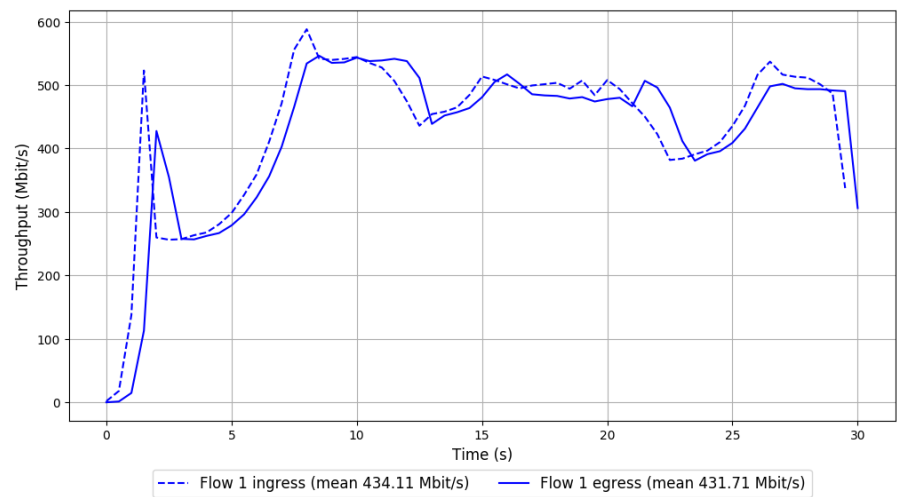


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-02 02:17:19
End at: 2018-07-02 02:17:49
Local clock offset: -0.172 ms
Remote clock offset: -1.372 ms

Below is generated by plot.py at 2018-07-02 03:34:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 431.71 Mbit/s
95th percentile per-packet one-way delay: 178.763 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 431.71 Mbit/s
95th percentile per-packet one-way delay: 178.763 ms
Loss rate: 0.91%

Run 10: Report of PCC-Allegro — Data Link

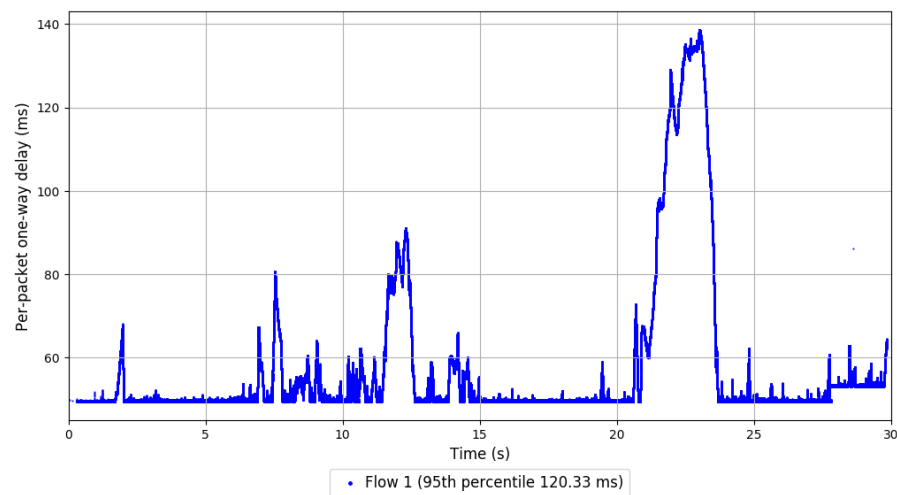
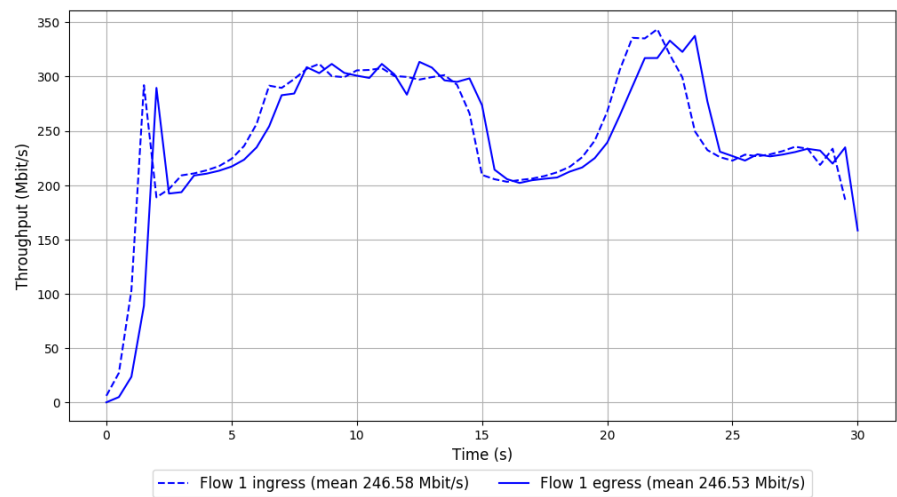


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-01 23:08:20
End at: 2018-07-01 23:08:50
Local clock offset: -0.041 ms
Remote clock offset: 0.157 ms

# Below is generated by plot.py at 2018-07-02 03:34:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 246.53 Mbit/s
95th percentile per-packet one-way delay: 120.330 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 246.53 Mbit/s
95th percentile per-packet one-way delay: 120.330 ms
Loss rate: 0.36%
```

Run 1: Report of PCC-Expr — Data Link

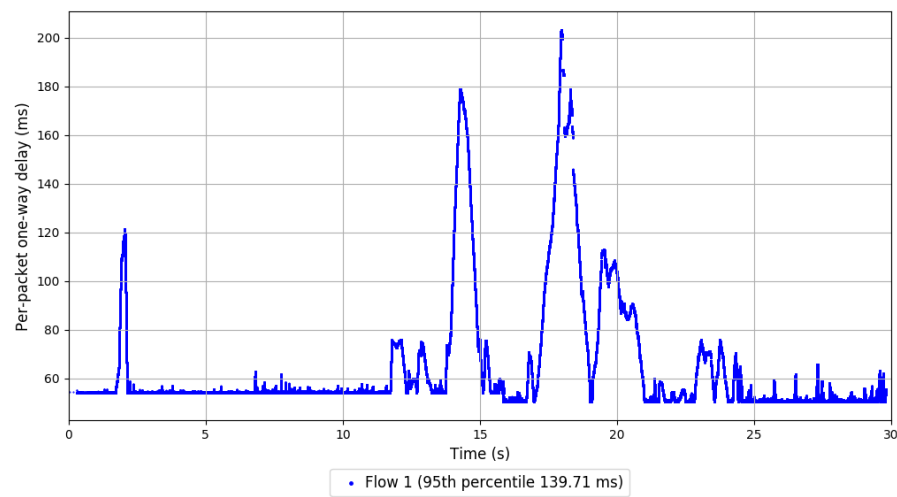
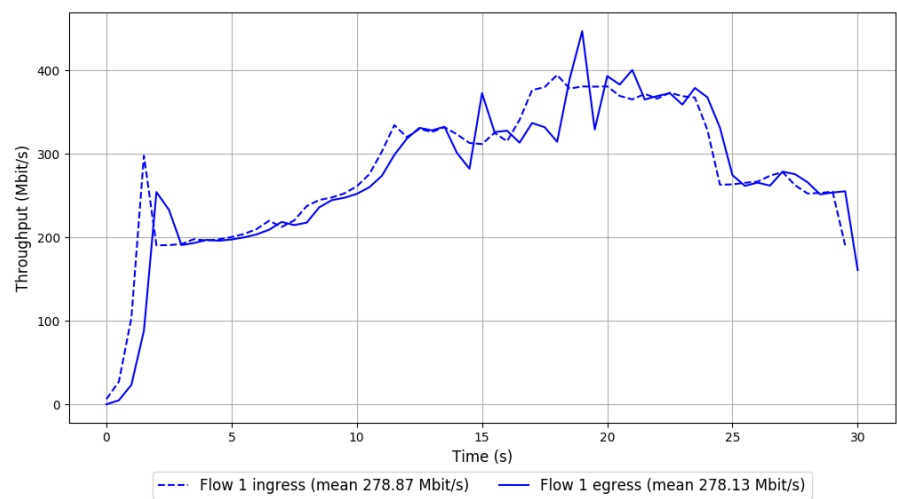


Run 2: Statistics of PCC-Expr

Start at: 2018-07-01 23:29:42
End at: 2018-07-01 23:30:12
Local clock offset: 0.322 ms
Remote clock offset: -0.335 ms

Below is generated by plot.py at 2018-07-02 03:36:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 278.13 Mbit/s
95th percentile per-packet one-way delay: 139.709 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 278.13 Mbit/s
95th percentile per-packet one-way delay: 139.709 ms
Loss rate: 0.62%

Run 2: Report of PCC-Expr — Data Link

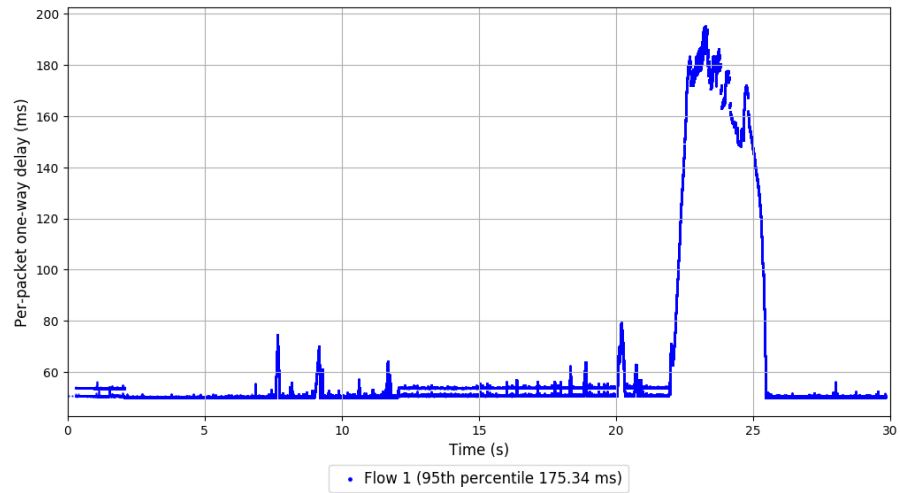
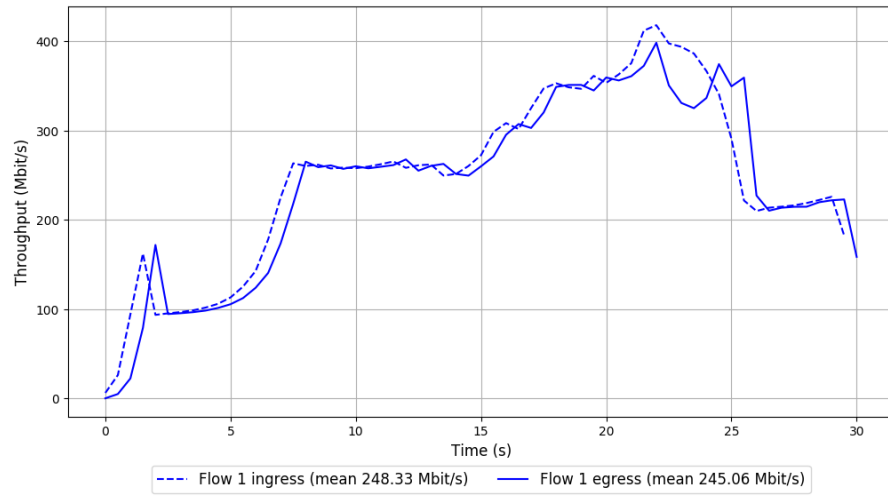


Run 3: Statistics of PCC-Expr

Start at: 2018-07-01 23:51:26
End at: 2018-07-01 23:51:56
Local clock offset: 0.183 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-02 03:36:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 245.06 Mbit/s
95th percentile per-packet one-way delay: 175.340 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 245.06 Mbit/s
95th percentile per-packet one-way delay: 175.340 ms
Loss rate: 1.65%

Run 3: Report of PCC-Expr — Data Link

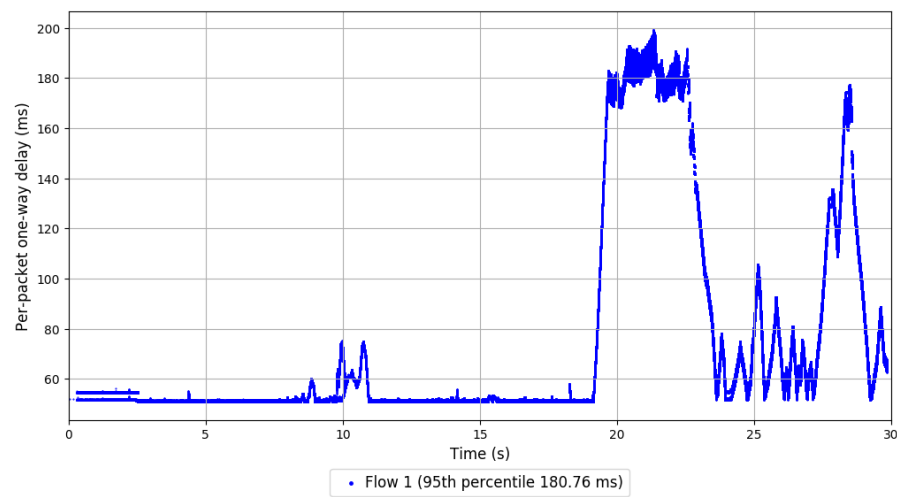
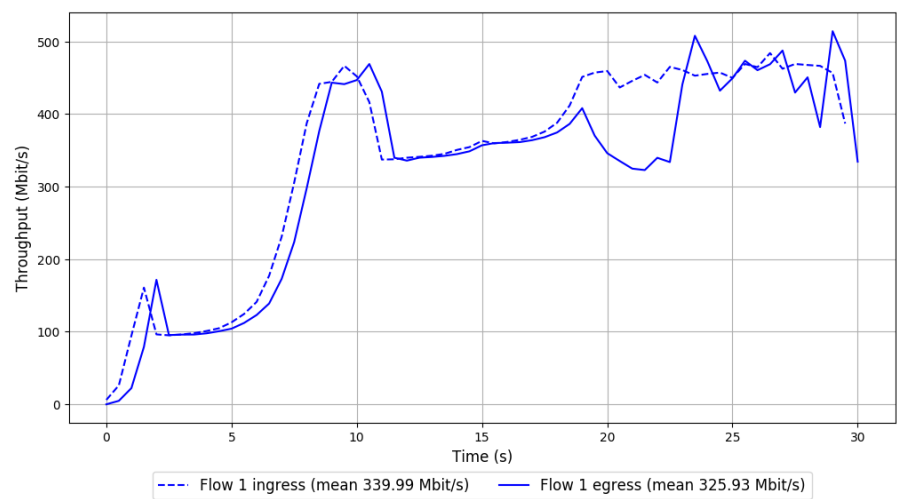


Run 4: Statistics of PCC-Expr

Start at: 2018-07-02 00:12:46
End at: 2018-07-02 00:13:16
Local clock offset: 0.068 ms
Remote clock offset: -1.136 ms

Below is generated by plot.py at 2018-07-02 03:38:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 325.93 Mbit/s
95th percentile per-packet one-way delay: 180.763 ms
Loss rate: 4.47%
-- Flow 1:
Average throughput: 325.93 Mbit/s
95th percentile per-packet one-way delay: 180.763 ms
Loss rate: 4.47%

Run 4: Report of PCC-Expr — Data Link

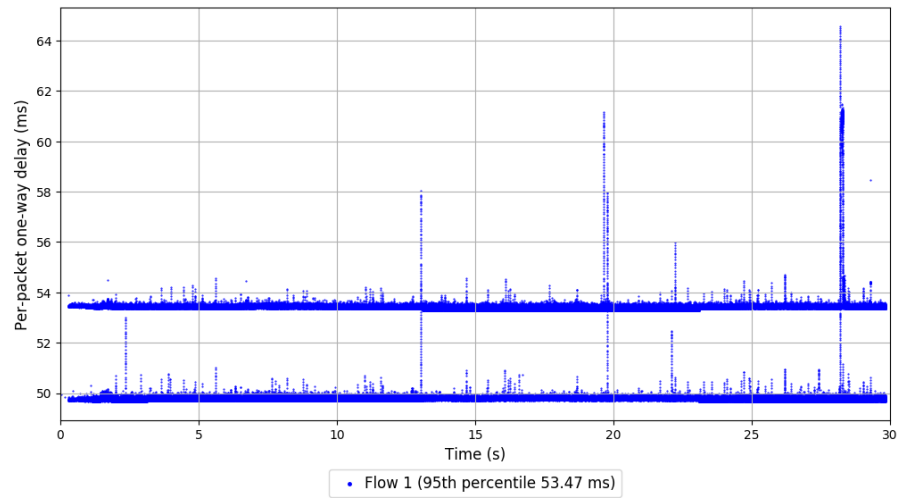
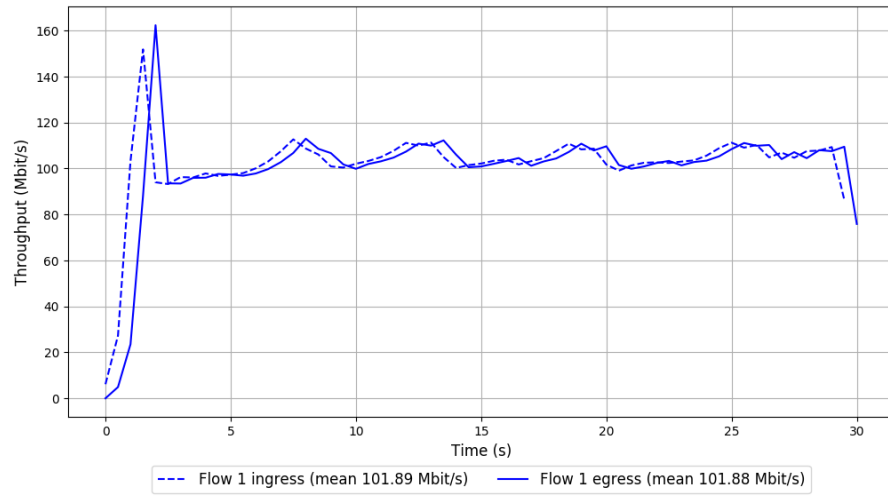


Run 5: Statistics of PCC-Expr

Start at: 2018-07-02 00:34:05
End at: 2018-07-02 00:34:35
Local clock offset: -0.086 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-07-02 03:38:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 101.88 Mbit/s
95th percentile per-packet one-way delay: 53.465 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 101.88 Mbit/s
95th percentile per-packet one-way delay: 53.465 ms
Loss rate: 0.36%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-02 00:55:07

End at: 2018-07-02 00:55:37

Local clock offset: -0.143 ms

Remote clock offset: 0.204 ms

Below is generated by plot.py at 2018-07-02 03:40:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 242.93 Mbit/s

95th percentile per-packet one-way delay: 320.279 ms

Loss rate: 7.78%

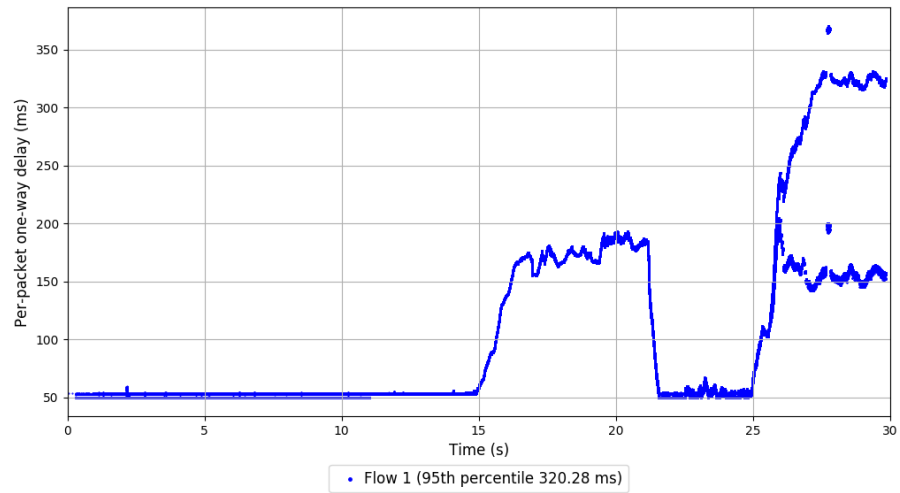
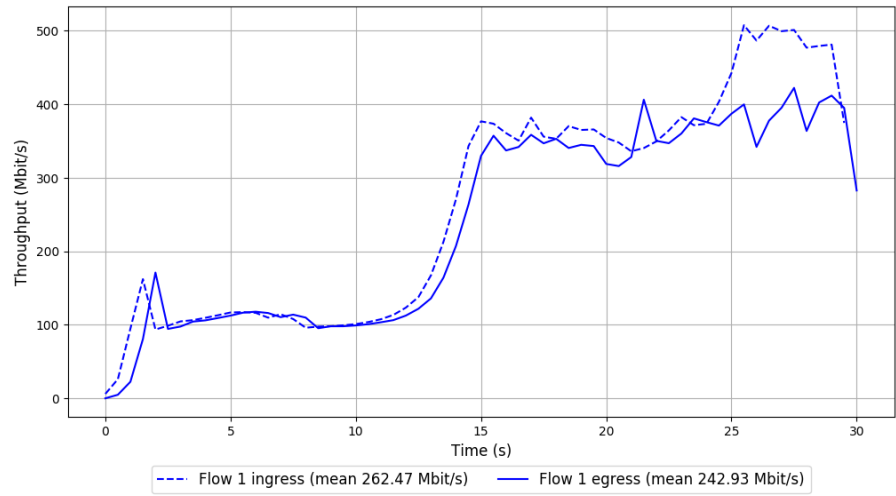
-- Flow 1:

Average throughput: 242.93 Mbit/s

95th percentile per-packet one-way delay: 320.279 ms

Loss rate: 7.78%

Run 6: Report of PCC-Expr — Data Link

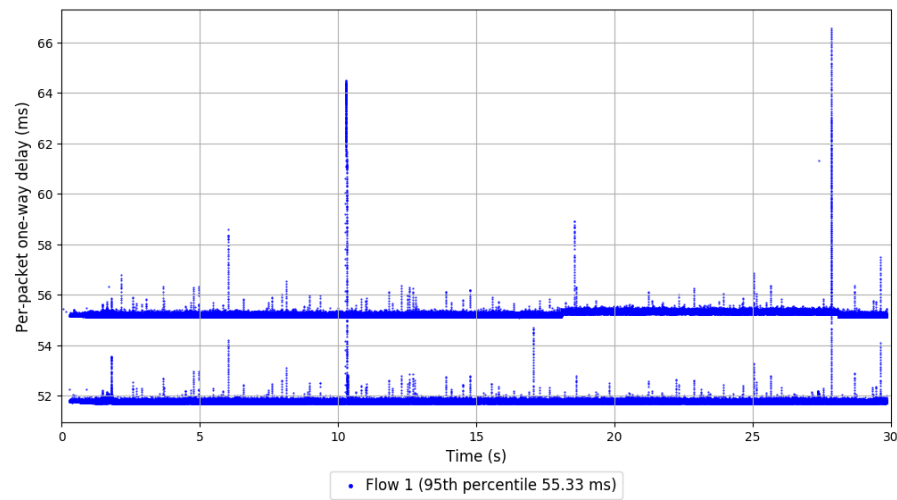
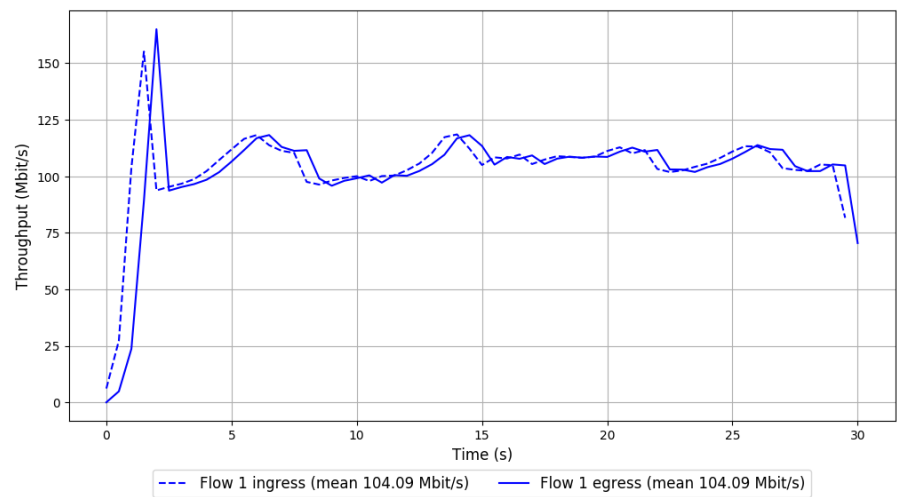


Run 7: Statistics of PCC-Expr

Start at: 2018-07-02 01:16:40
End at: 2018-07-02 01:17:10
Local clock offset: 0.133 ms
Remote clock offset: -1.608 ms

Below is generated by plot.py at 2018-07-02 03:40:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.09 Mbit/s
95th percentile per-packet one-way delay: 55.334 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 104.09 Mbit/s
95th percentile per-packet one-way delay: 55.334 ms
Loss rate: 0.36%

Run 7: Report of PCC-Expr — Data Link

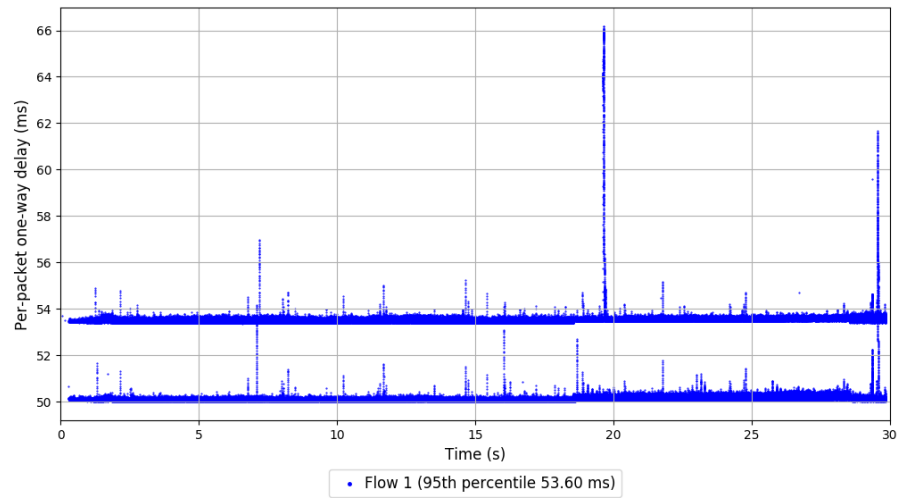
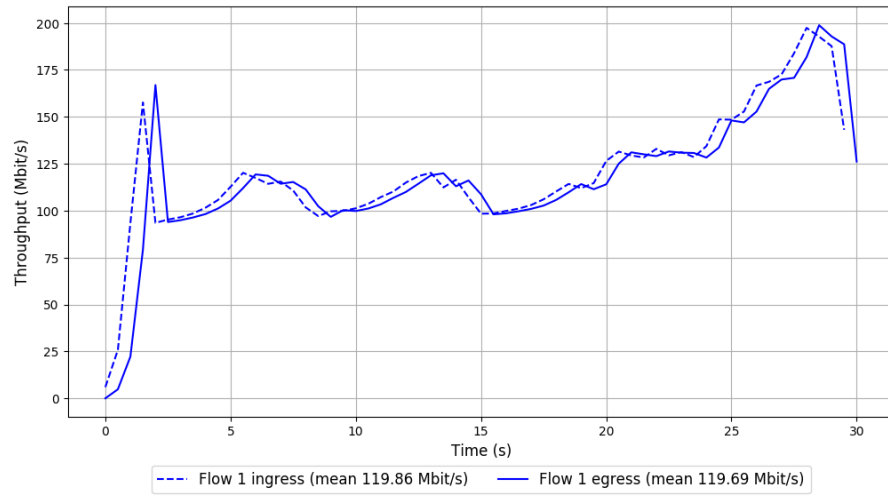


Run 8: Statistics of PCC-Expr

Start at: 2018-07-02 01:37:39
End at: 2018-07-02 01:38:10
Local clock offset: -0.289 ms
Remote clock offset: -0.276 ms

Below is generated by plot.py at 2018-07-02 03:40:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 119.69 Mbit/s
95th percentile per-packet one-way delay: 53.604 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 119.69 Mbit/s
95th percentile per-packet one-way delay: 53.604 ms
Loss rate: 0.50%

Run 8: Report of PCC-Expr — Data Link

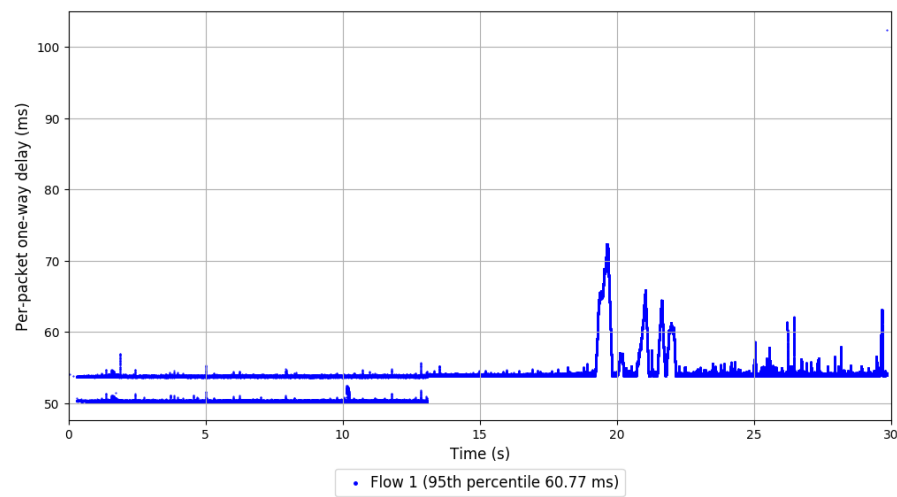
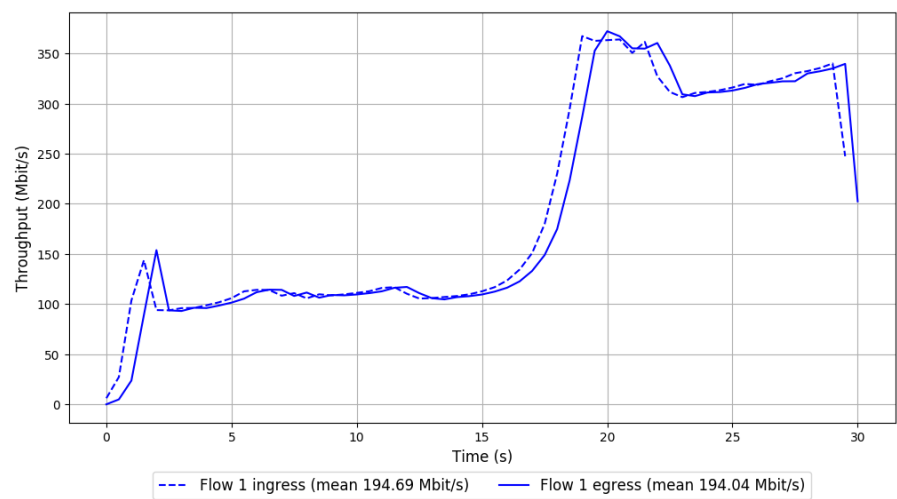


Run 9: Statistics of PCC-Expr

Start at: 2018-07-02 01:58:55
End at: 2018-07-02 01:59:25
Local clock offset: -0.116 ms
Remote clock offset: -0.237 ms

Below is generated by plot.py at 2018-07-02 03:41:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 194.04 Mbit/s
95th percentile per-packet one-way delay: 60.773 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 194.04 Mbit/s
95th percentile per-packet one-way delay: 60.773 ms
Loss rate: 0.70%

Run 9: Report of PCC-Expr — Data Link

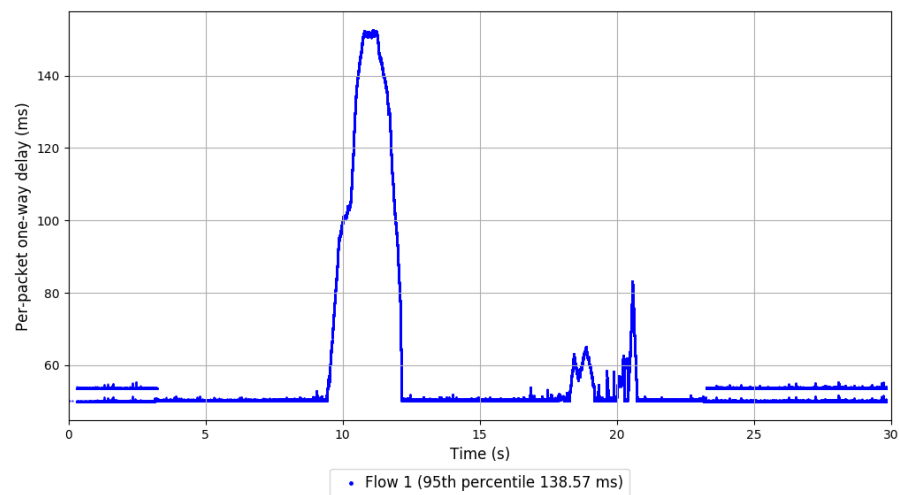
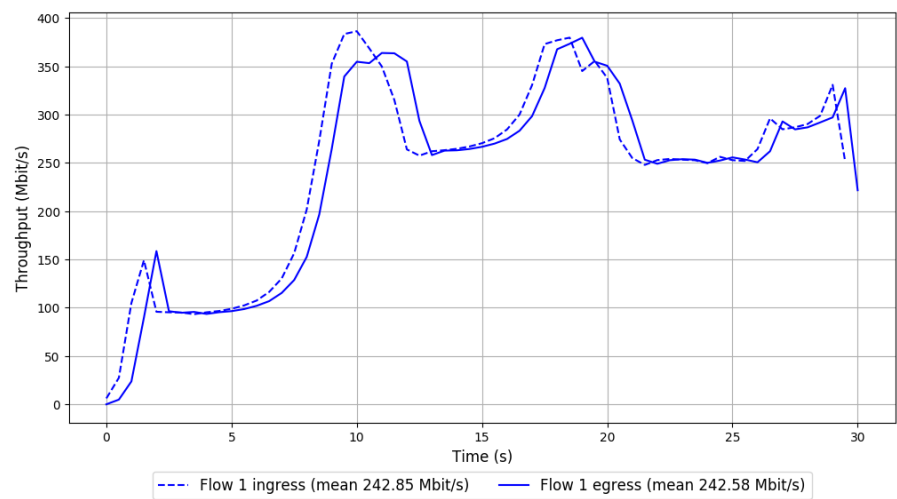


Run 10: Statistics of PCC-Expr

Start at: 2018-07-02 02:19:55
End at: 2018-07-02 02:20:25
Local clock offset: -0.155 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-02 03:43:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 242.58 Mbit/s
95th percentile per-packet one-way delay: 138.575 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 242.58 Mbit/s
95th percentile per-packet one-way delay: 138.575 ms
Loss rate: 0.45%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-01 23:09:48

End at: 2018-07-01 23:10:18

Local clock offset: -0.173 ms

Remote clock offset: -1.429 ms

Below is generated by plot.py at 2018-07-02 03:43:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.42 Mbit/s

95th percentile per-packet one-way delay: 51.065 ms

Loss rate: 0.46%

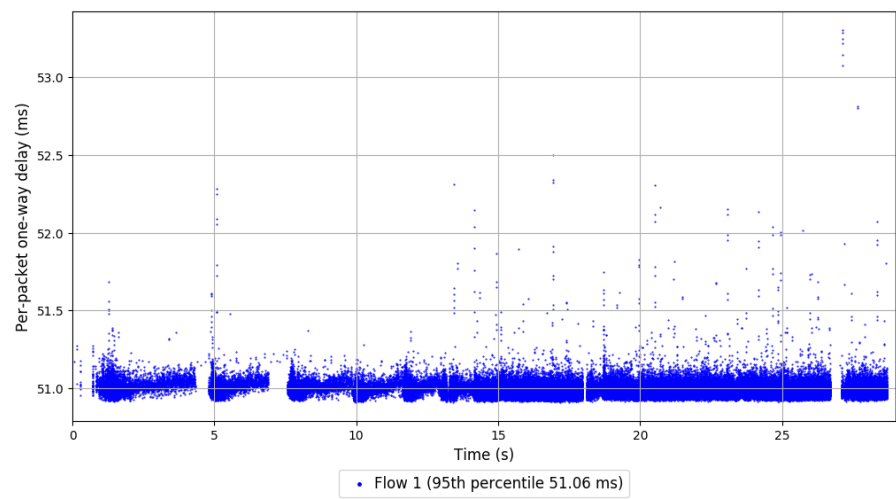
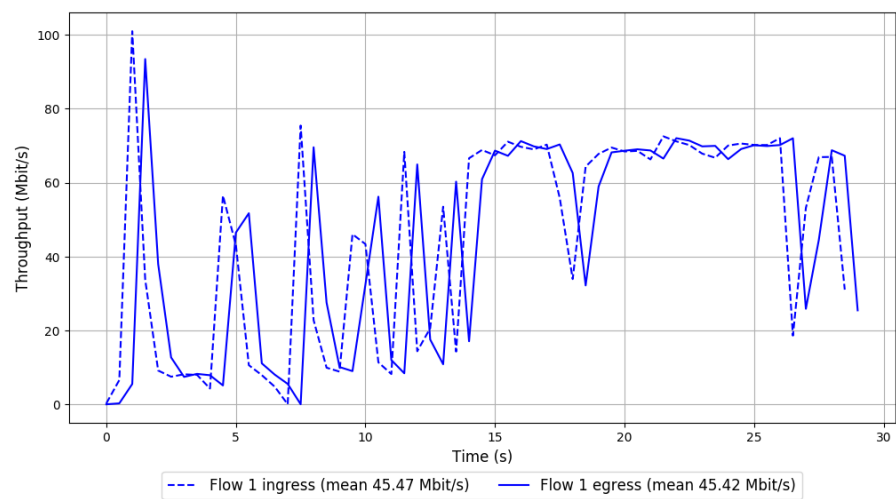
-- Flow 1:

Average throughput: 45.42 Mbit/s

95th percentile per-packet one-way delay: 51.065 ms

Loss rate: 0.46%

Run 1: Report of QUIC Cubic — Data Link

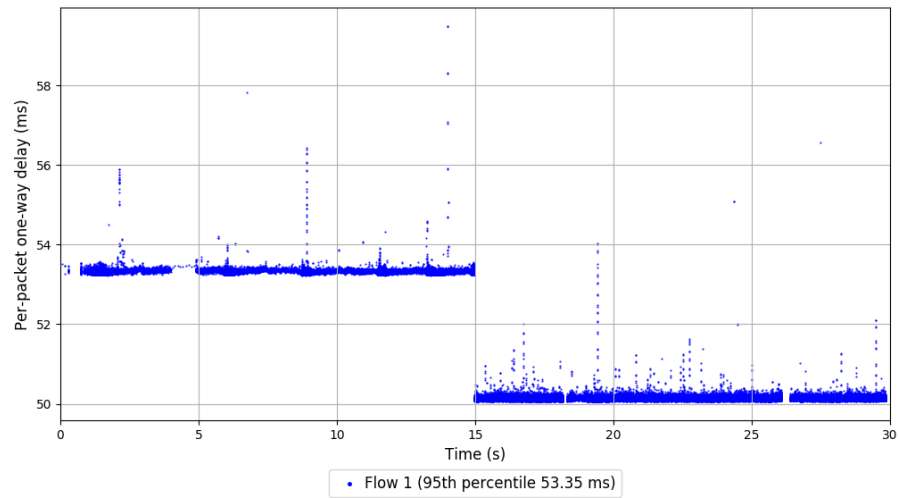
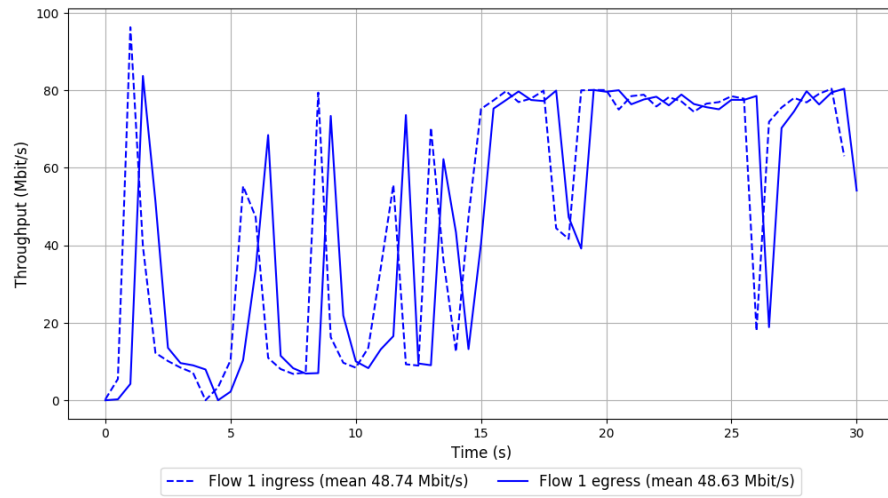


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-01 23:31:13
End at: 2018-07-01 23:31:43
Local clock offset: 0.098 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-02 03:43:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.63 Mbit/s
95th percentile per-packet one-way delay: 53.353 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 48.63 Mbit/s
95th percentile per-packet one-way delay: 53.353 ms
Loss rate: 0.57%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-01 23:52:50

End at: 2018-07-01 23:53:20

Local clock offset: 0.076 ms

Remote clock offset: -0.285 ms

Below is generated by plot.py at 2018-07-02 03:43:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.01 Mbit/s

95th percentile per-packet one-way delay: 50.788 ms

Loss rate: 0.62%

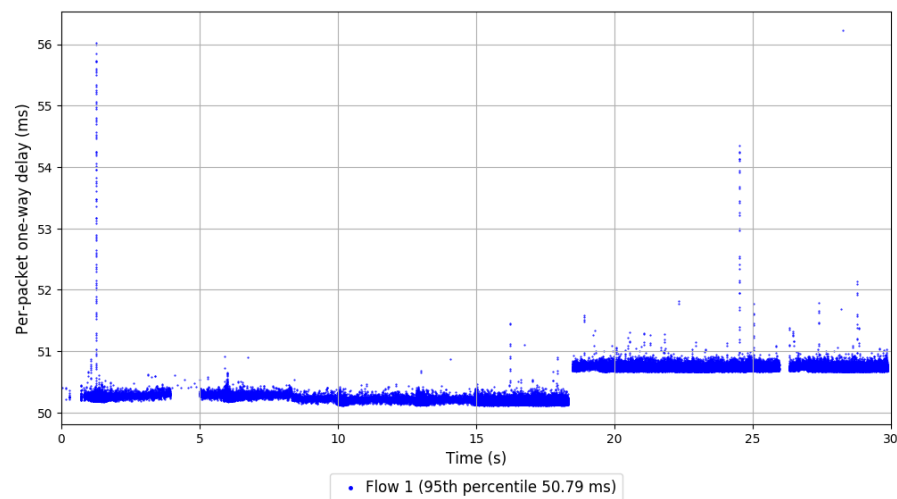
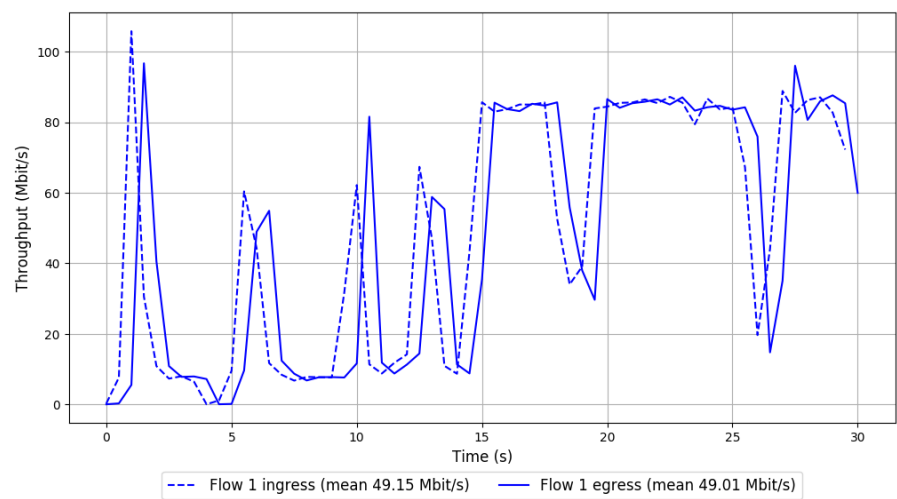
-- Flow 1:

Average throughput: 49.01 Mbit/s

95th percentile per-packet one-way delay: 50.788 ms

Loss rate: 0.62%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-02 00:14:17

End at: 2018-07-02 00:14:47

Local clock offset: -0.04 ms

Remote clock offset: 1.321 ms

Below is generated by plot.py at 2018-07-02 03:43:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.46 Mbit/s

95th percentile per-packet one-way delay: 48.647 ms

Loss rate: 0.48%

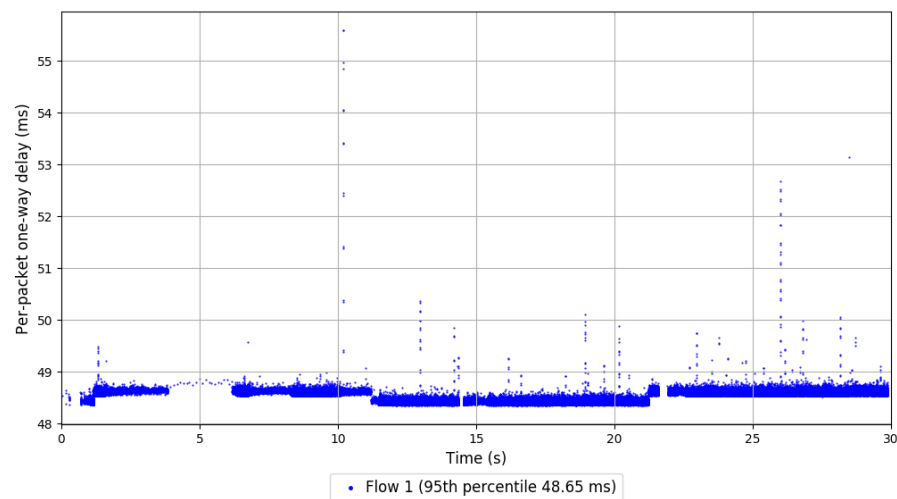
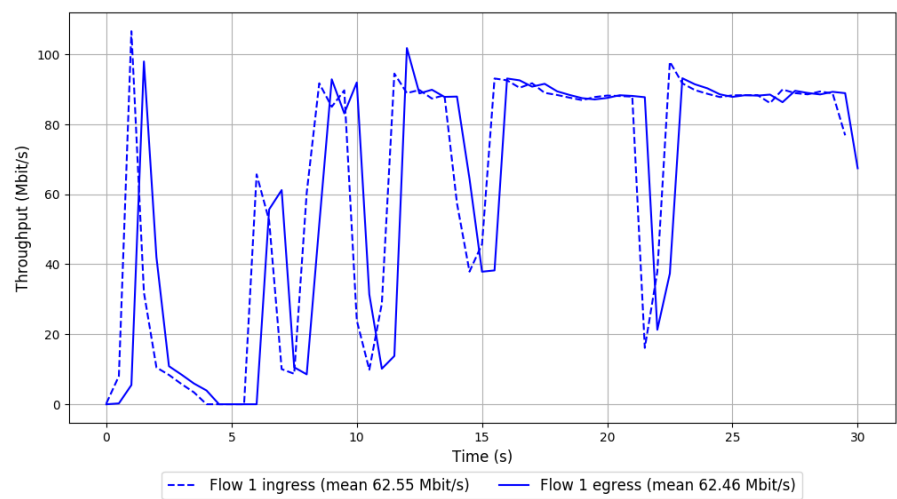
-- Flow 1:

Average throughput: 62.46 Mbit/s

95th percentile per-packet one-way delay: 48.647 ms

Loss rate: 0.48%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-02 00:35:19

End at: 2018-07-02 00:35:49

Local clock offset: 0.212 ms

Remote clock offset: 0.149 ms

Below is generated by plot.py at 2018-07-02 03:43:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.65 Mbit/s

95th percentile per-packet one-way delay: 53.459 ms

Loss rate: 0.54%

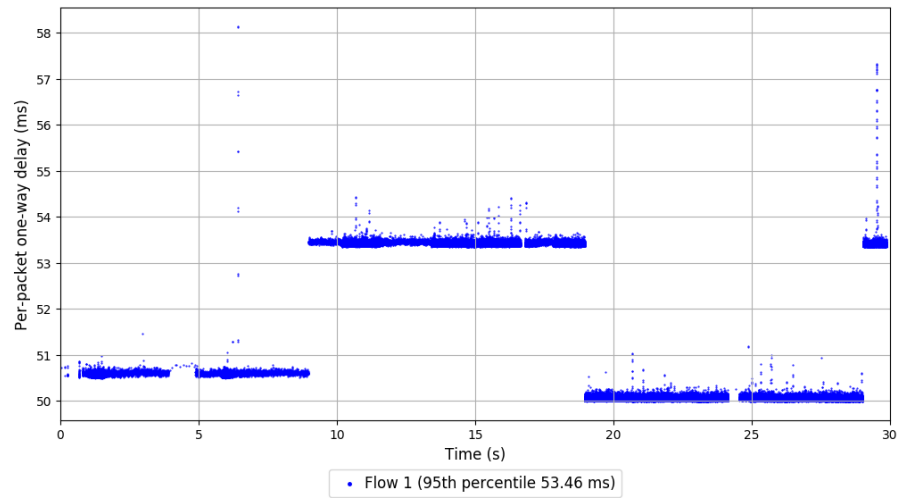
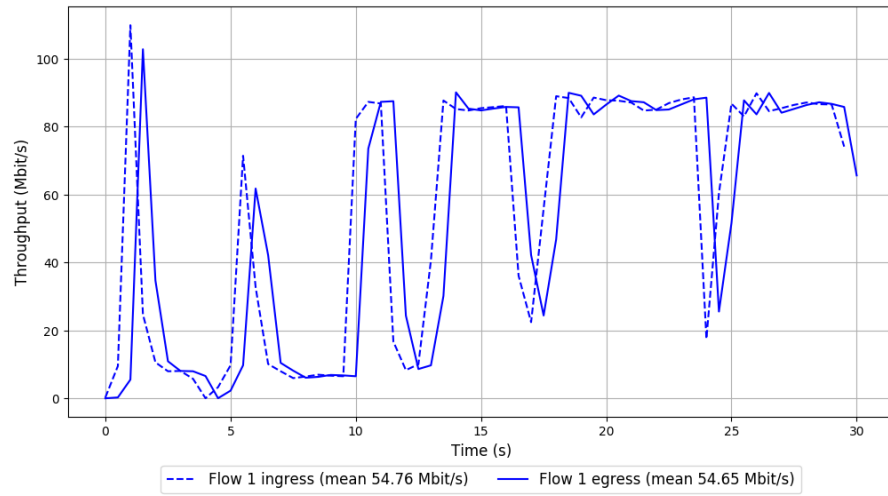
-- Flow 1:

Average throughput: 54.65 Mbit/s

95th percentile per-packet one-way delay: 53.459 ms

Loss rate: 0.54%

Run 5: Report of QUIC Cubic — Data Link

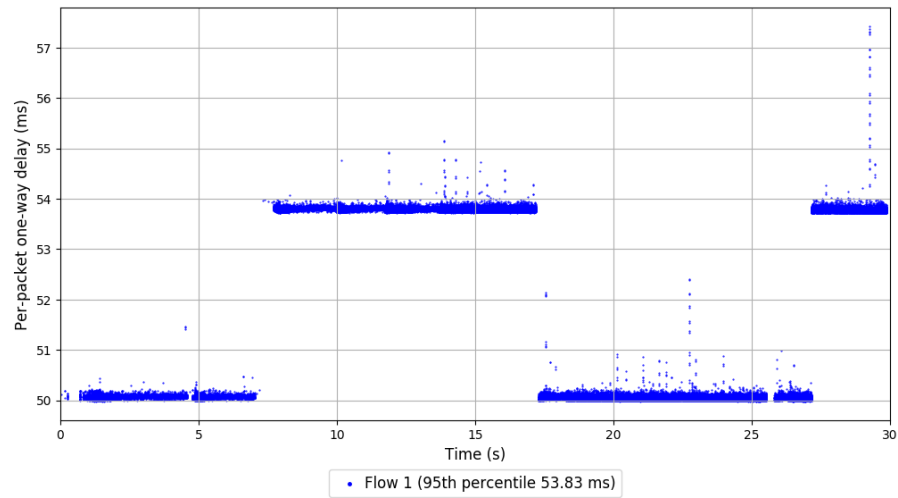
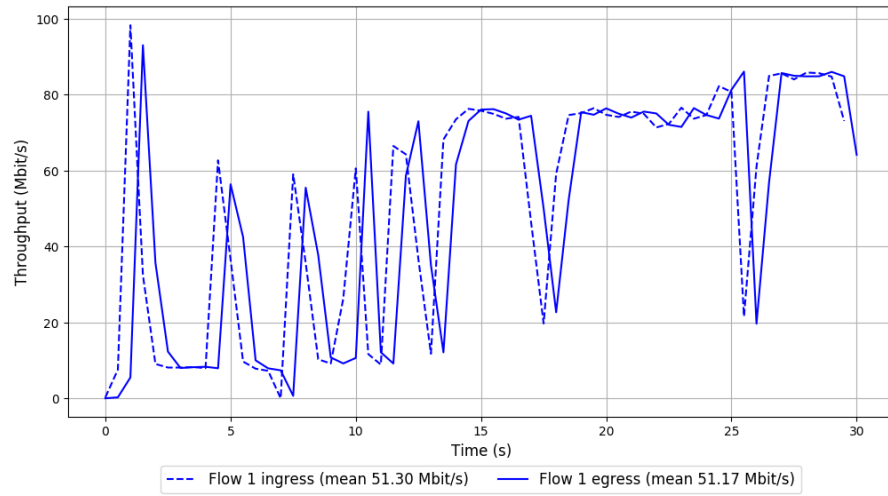


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-02 00:56:31
End at: 2018-07-02 00:57:01
Local clock offset: 0.038 ms
Remote clock offset: -0.168 ms

Below is generated by plot.py at 2018-07-02 03:43:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 51.17 Mbit/s
95th percentile per-packet one-way delay: 53.826 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 51.17 Mbit/s
95th percentile per-packet one-way delay: 53.826 ms
Loss rate: 0.59%

Run 6: Report of QUIC Cubic — Data Link

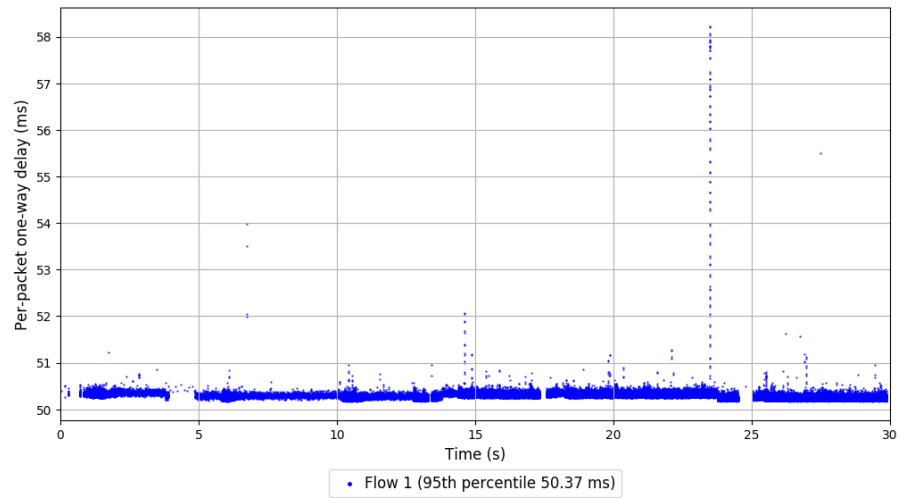
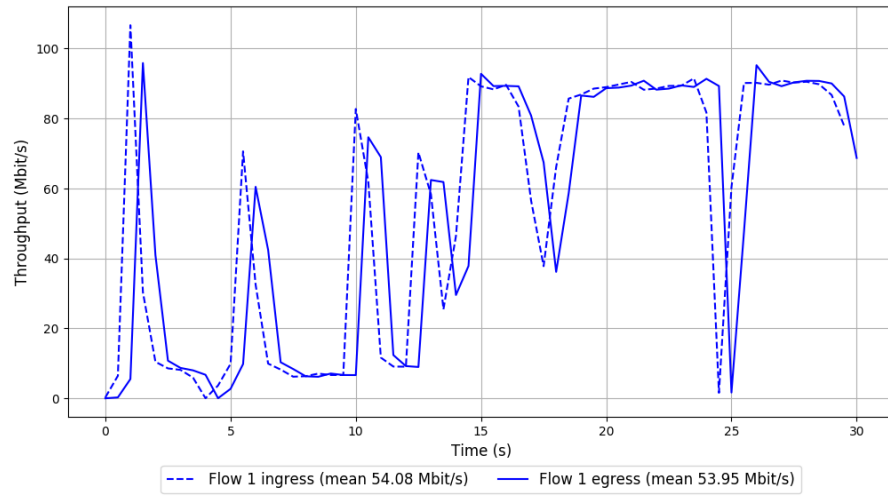


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-02 01:17:54
End at: 2018-07-02 01:18:24
Local clock offset: -0.155 ms
Remote clock offset: -0.375 ms

Below is generated by plot.py at 2018-07-02 03:43:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 53.95 Mbit/s
95th percentile per-packet one-way delay: 50.368 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 53.95 Mbit/s
95th percentile per-packet one-way delay: 50.368 ms
Loss rate: 0.57%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-02 01:38:54

End at: 2018-07-02 01:39:24

Local clock offset: 0.006 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-07-02 03:43:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.66 Mbit/s

95th percentile per-packet one-way delay: 53.530 ms

Loss rate: 0.55%

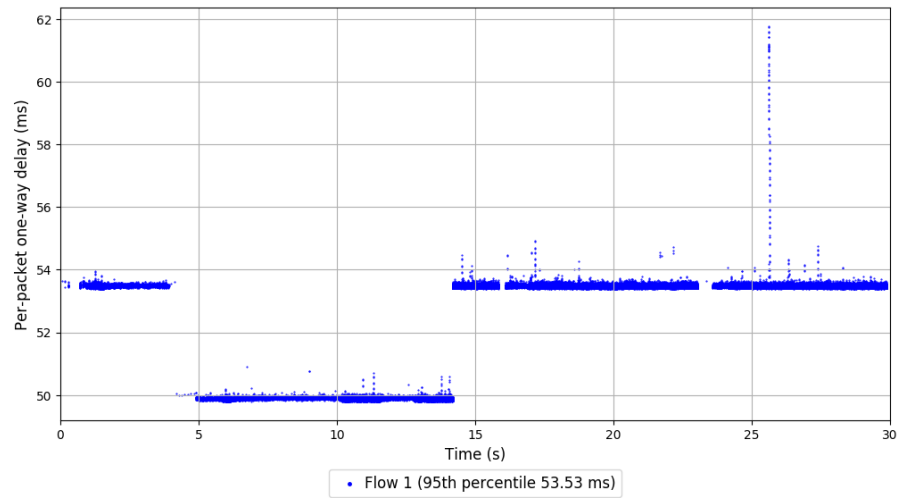
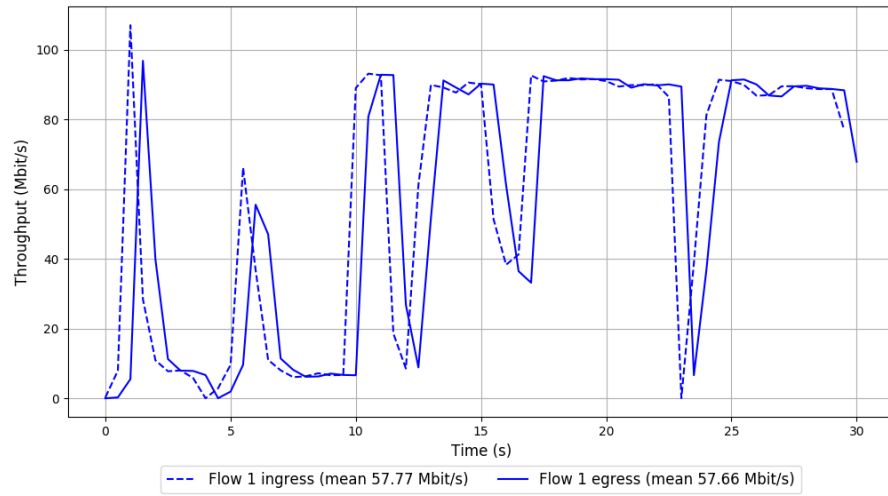
-- Flow 1:

Average throughput: 57.66 Mbit/s

95th percentile per-packet one-way delay: 53.530 ms

Loss rate: 0.55%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-02 02:00:17

End at: 2018-07-02 02:00:47

Local clock offset: 0.133 ms

Remote clock offset: -1.282 ms

Below is generated by plot.py at 2018-07-02 03:43:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.86 Mbit/s

95th percentile per-packet one-way delay: 55.046 ms

Loss rate: 0.49%

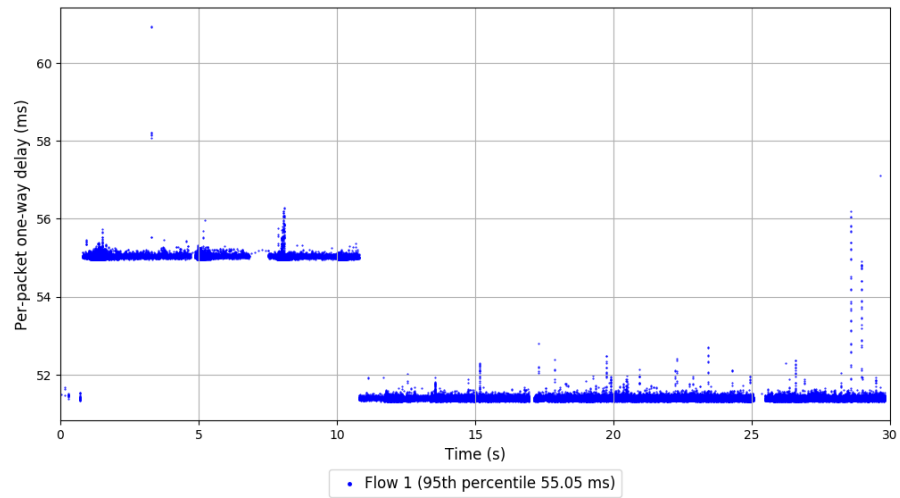
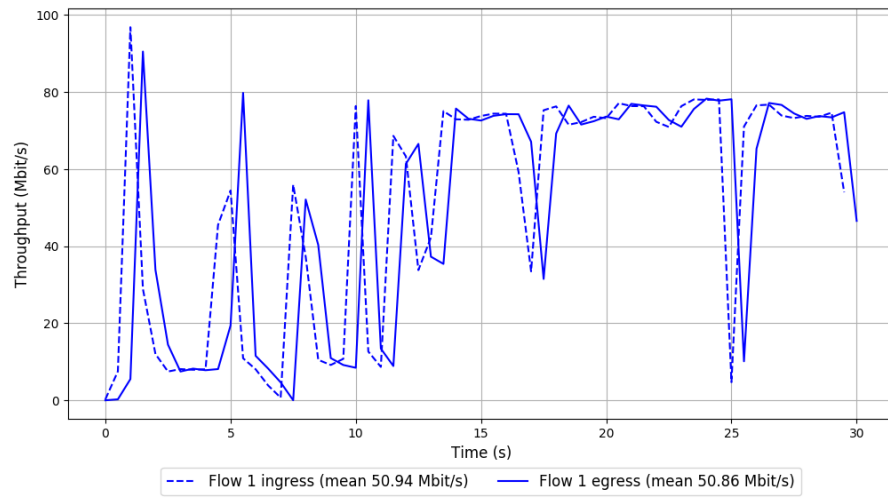
-- Flow 1:

Average throughput: 50.86 Mbit/s

95th percentile per-packet one-way delay: 55.046 ms

Loss rate: 0.49%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-02 02:21:19

End at: 2018-07-02 02:21:49

Local clock offset: -0.163 ms

Remote clock offset: -0.16 ms

Below is generated by plot.py at 2018-07-02 03:43:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.07 Mbit/s

95th percentile per-packet one-way delay: 53.368 ms

Loss rate: 0.56%

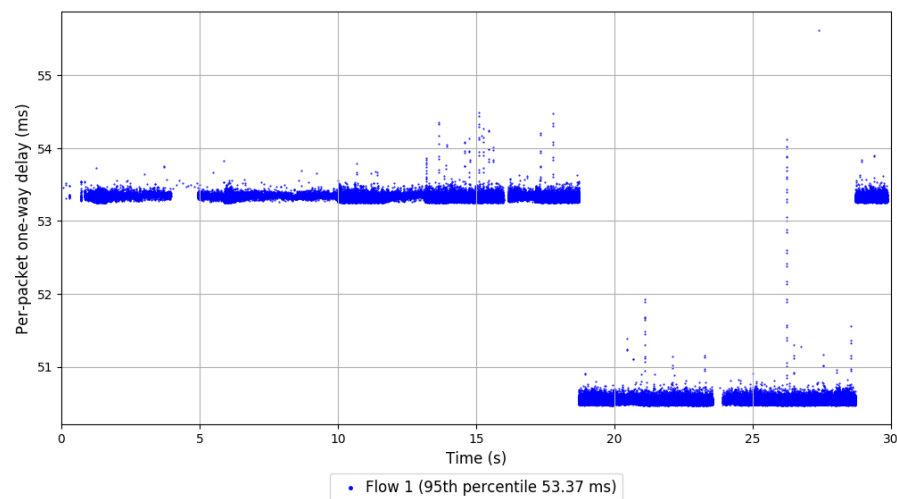
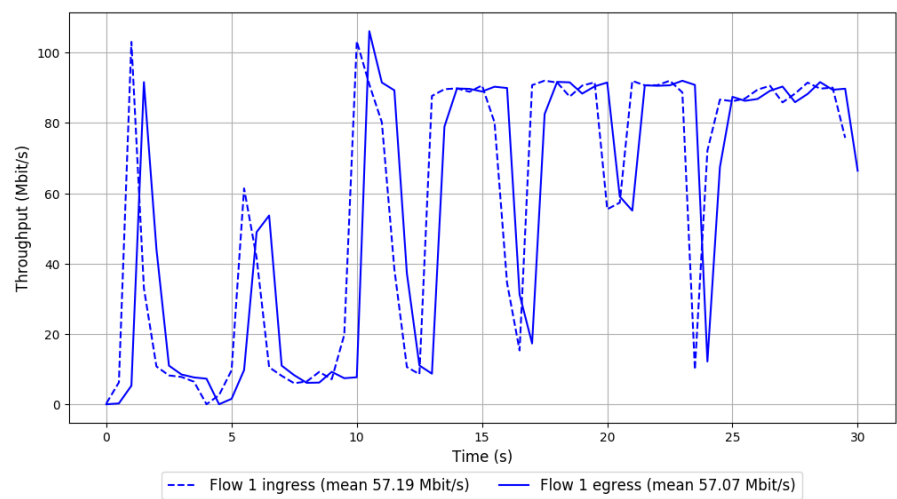
-- Flow 1:

Average throughput: 57.07 Mbit/s

95th percentile per-packet one-way delay: 53.368 ms

Loss rate: 0.56%

Run 10: Report of QUIC Cubic — Data Link

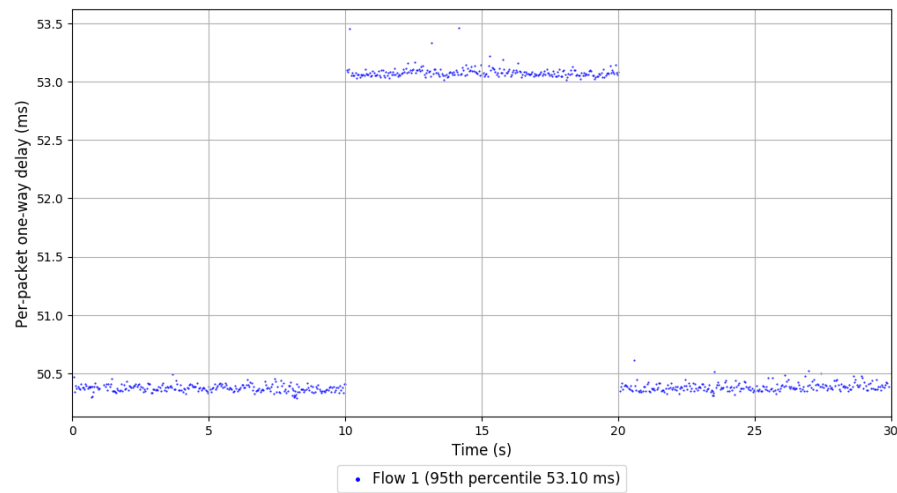
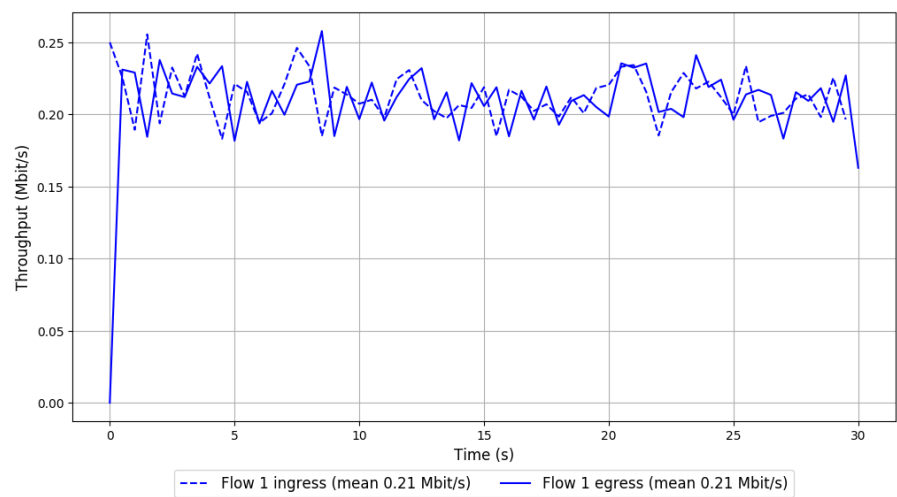


```
Run 1: Statistics of SCReAM

Start at: 2018-07-01 23:12:18
End at: 2018-07-01 23:12:48
Local clock offset: -0.031 ms
Remote clock offset: -0.109 ms

# Below is generated by plot.py at 2018-07-02 03:43:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.103 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.103 ms
Loss rate: 0.39%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-07-01 23:33:46

End at: 2018-07-01 23:34:16

Local clock offset: 0.105 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-07-02 03:43:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.397 ms

Loss rate: 0.38%

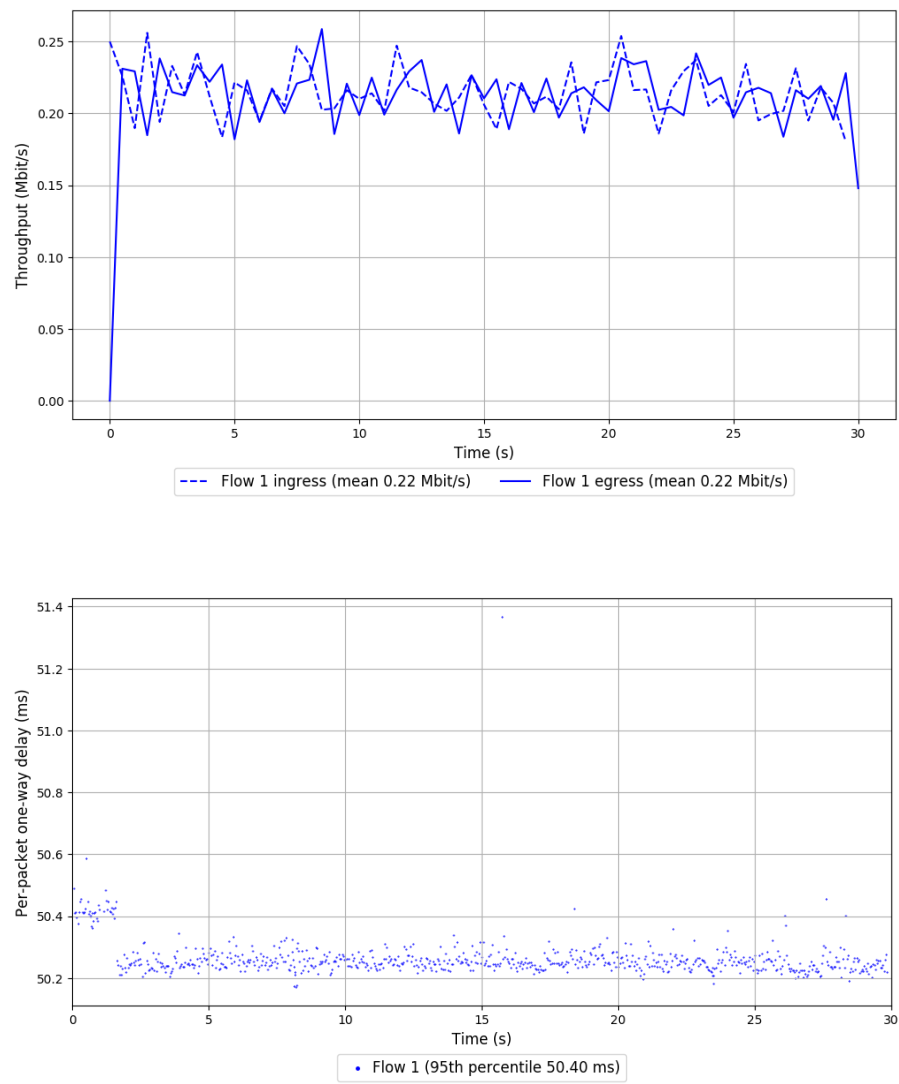
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.397 ms

Loss rate: 0.38%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-07-01 23:55:18

End at: 2018-07-01 23:55:48

Local clock offset: 0.005 ms

Remote clock offset: -0.0 ms

Below is generated by plot.py at 2018-07-02 03:43:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.808 ms

Loss rate: 0.39%

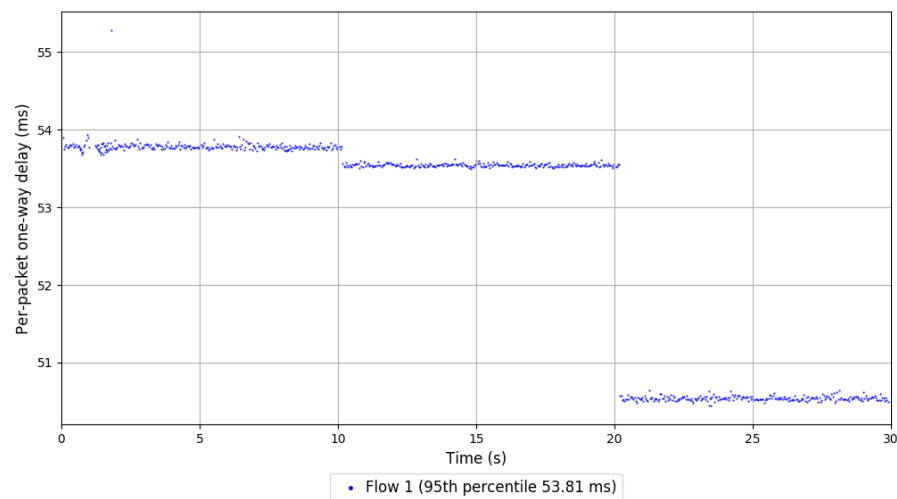
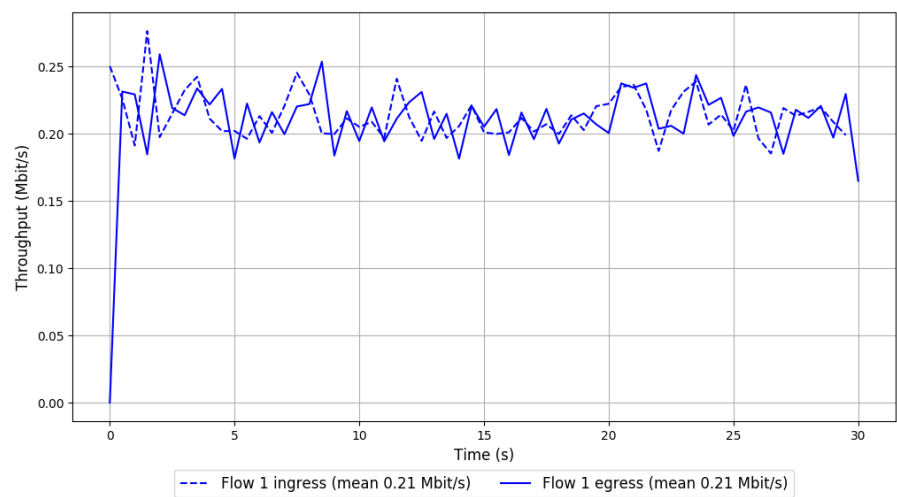
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.808 ms

Loss rate: 0.39%

Run 3: Report of SReAM — Data Link

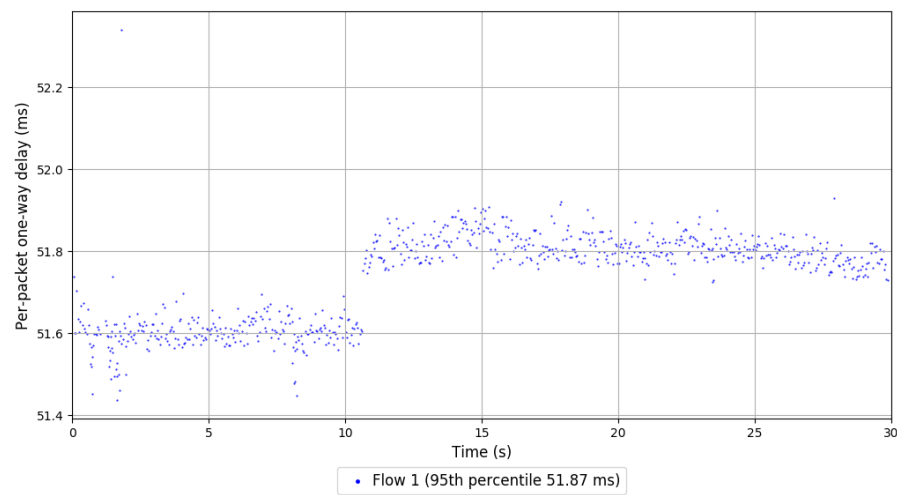
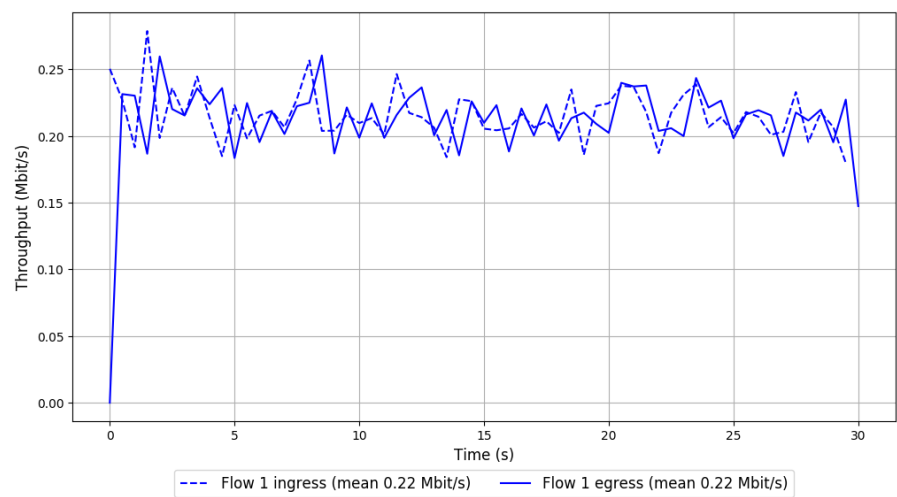


Run 4: Statistics of SCReAM

Start at: 2018-07-02 00:16:48
End at: 2018-07-02 00:17:18
Local clock offset: 0.102 ms
Remote clock offset: -1.336 ms

Below is generated by plot.py at 2018-07-02 03:43:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.867 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.867 ms
Loss rate: 0.37%

Run 4: Report of SReAM — Data Link

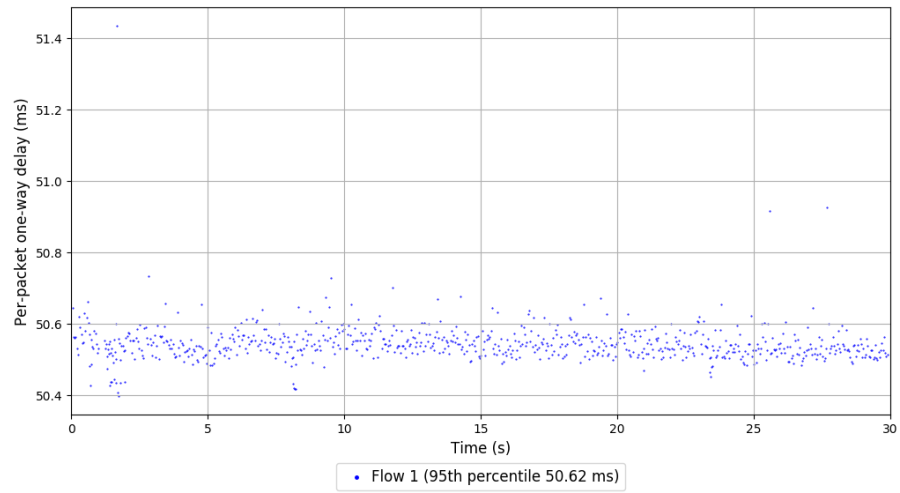
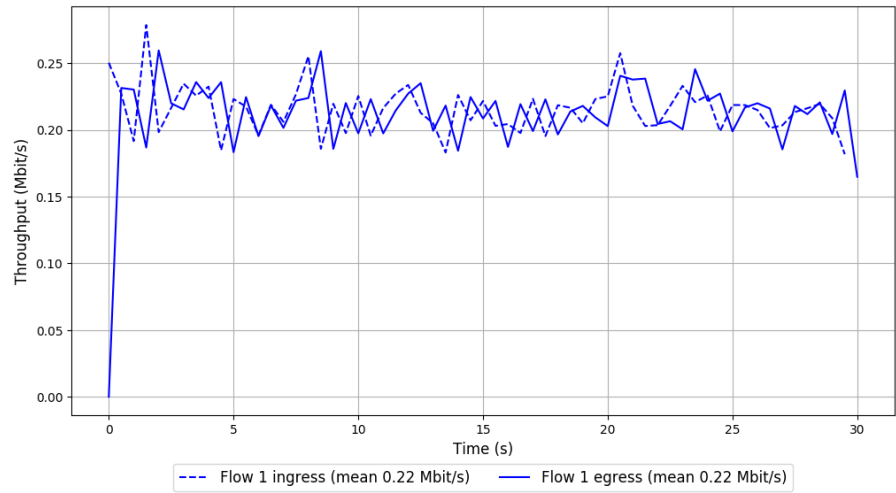


Run 5: Statistics of SCReAM

Start at: 2018-07-02 00:37:48
End at: 2018-07-02 00:38:18
Local clock offset: 0.084 ms
Remote clock offset: -0.434 ms

Below is generated by plot.py at 2018-07-02 03:43:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.615 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.615 ms
Loss rate: 0.26%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-07-02 00:59:03

End at: 2018-07-02 00:59:33

Local clock offset: -0.058 ms

Remote clock offset: 0.117 ms

Below is generated by plot.py at 2018-07-02 03:43:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.415 ms

Loss rate: 0.38%

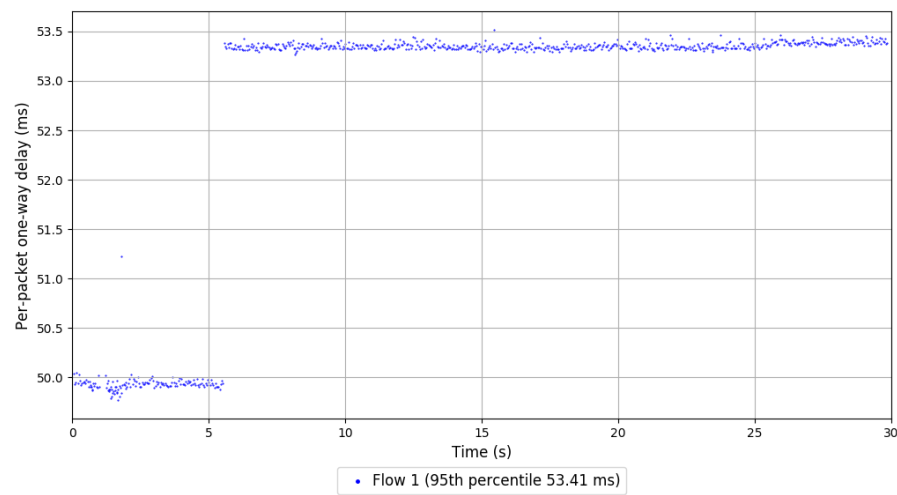
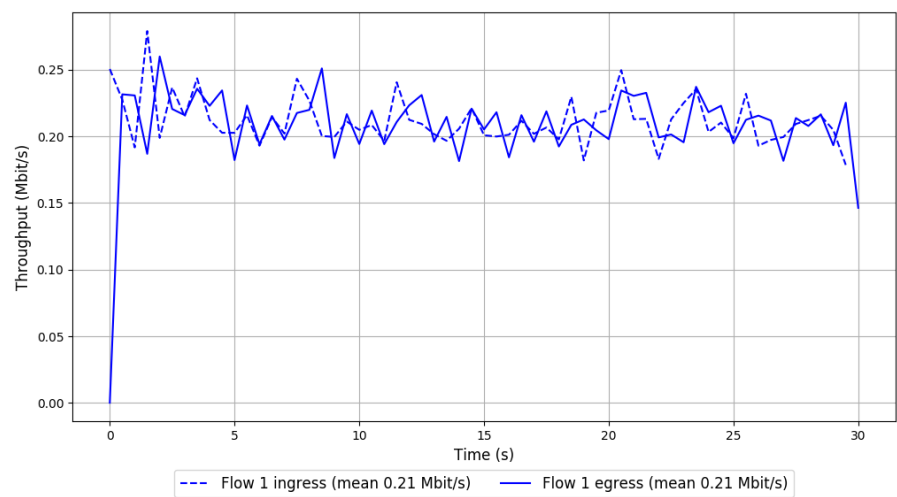
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.415 ms

Loss rate: 0.38%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-07-02 01:20:22

End at: 2018-07-02 01:20:52

Local clock offset: 0.05 ms

Remote clock offset: 1.359 ms

Below is generated by plot.py at 2018-07-02 03:43:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 52.324 ms

Loss rate: 0.37%

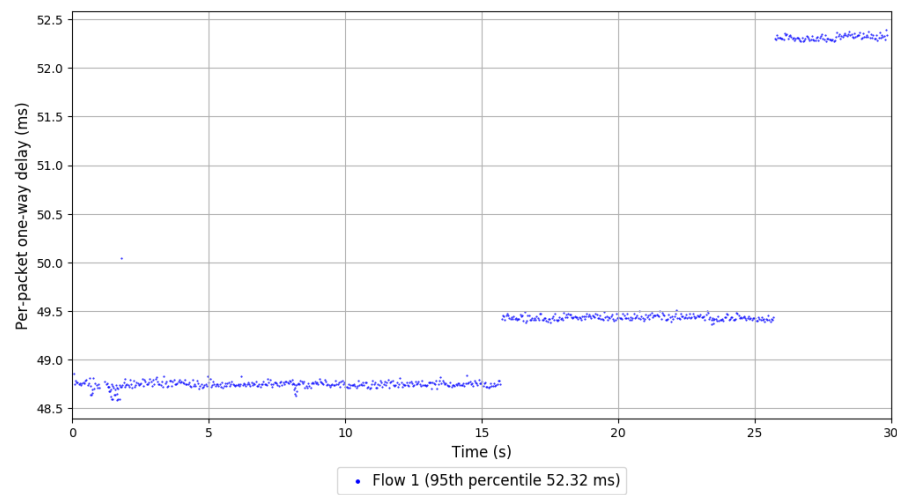
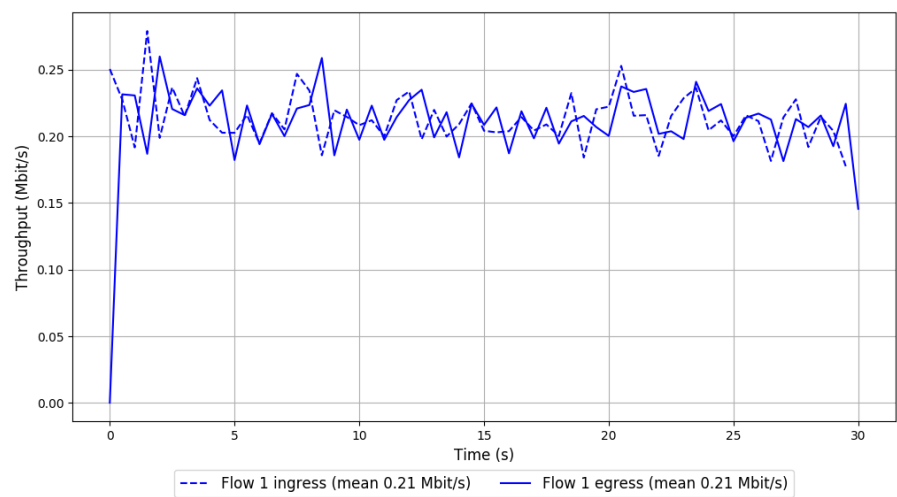
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 52.324 ms

Loss rate: 0.37%

Run 7: Report of SReAM — Data Link

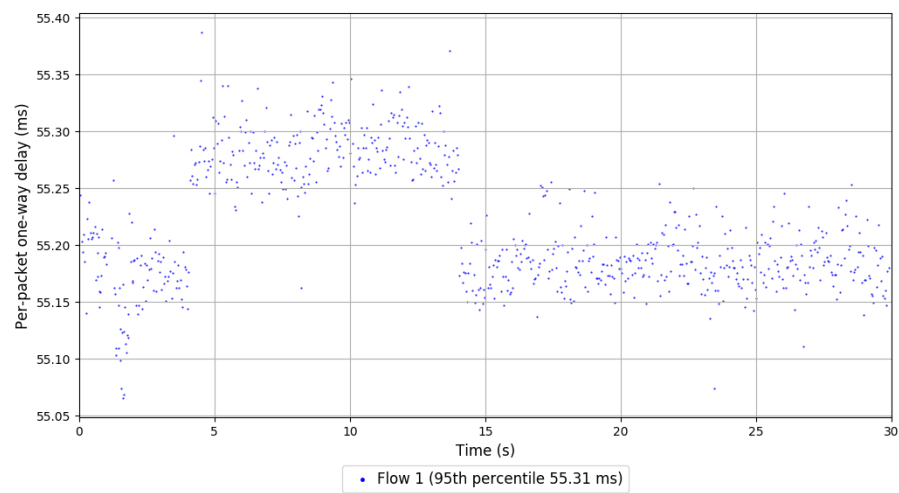
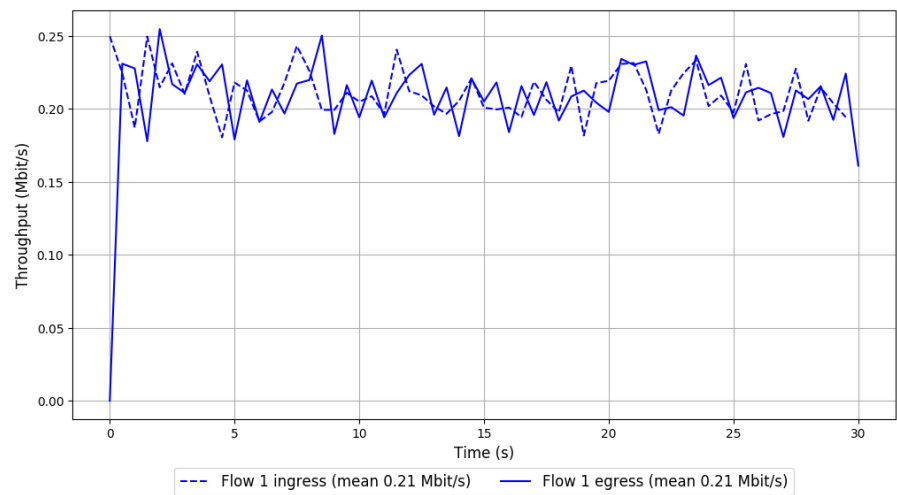


Run 8: Statistics of SCReAM

Start at: 2018-07-02 01:41:24
End at: 2018-07-02 01:41:54
Local clock offset: 0.054 ms
Remote clock offset: -1.503 ms

Below is generated by plot.py at 2018-07-02 03:43:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 55.309 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 55.309 ms
Loss rate: 0.39%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

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

End at: 2018-07-02 02:03:15

Local clock offset: -0.138 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-02 03:43:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.545 ms

Loss rate: 0.38%

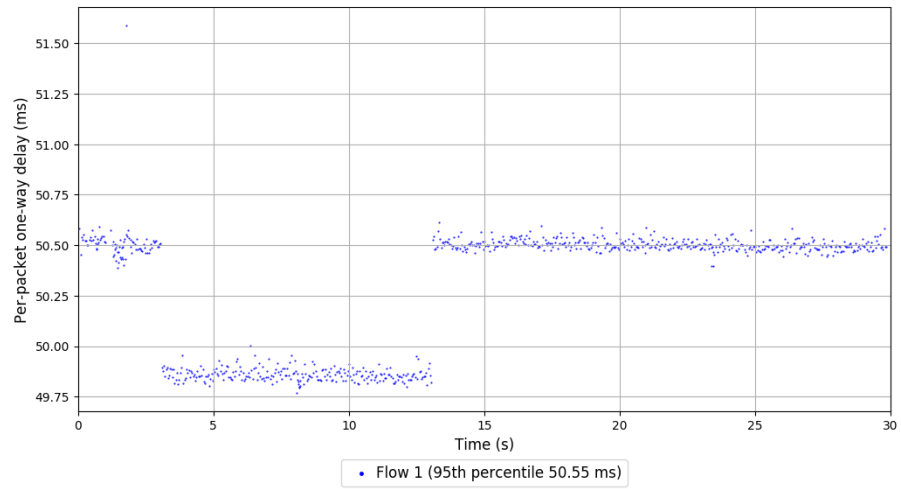
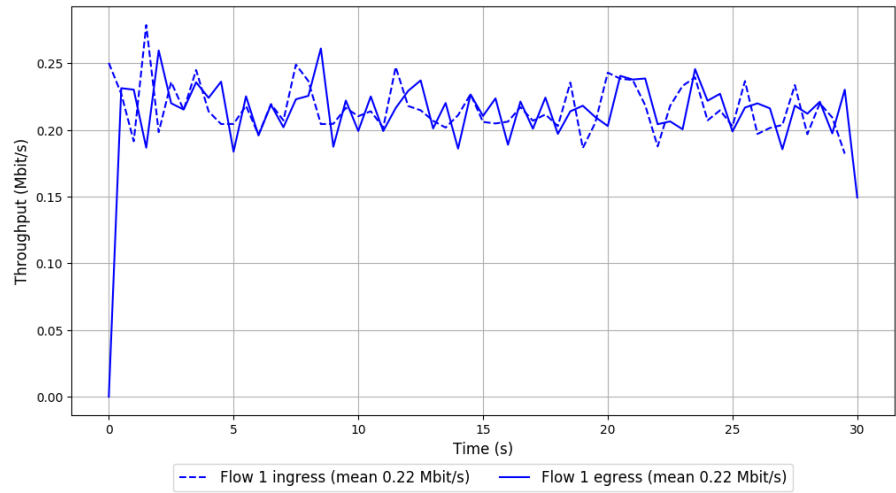
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.545 ms

Loss rate: 0.38%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-02 02:23:49

End at: 2018-07-02 02:24:19

Local clock offset: -0.006 ms

Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-07-02 03:43:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.029 ms

Loss rate: 0.39%

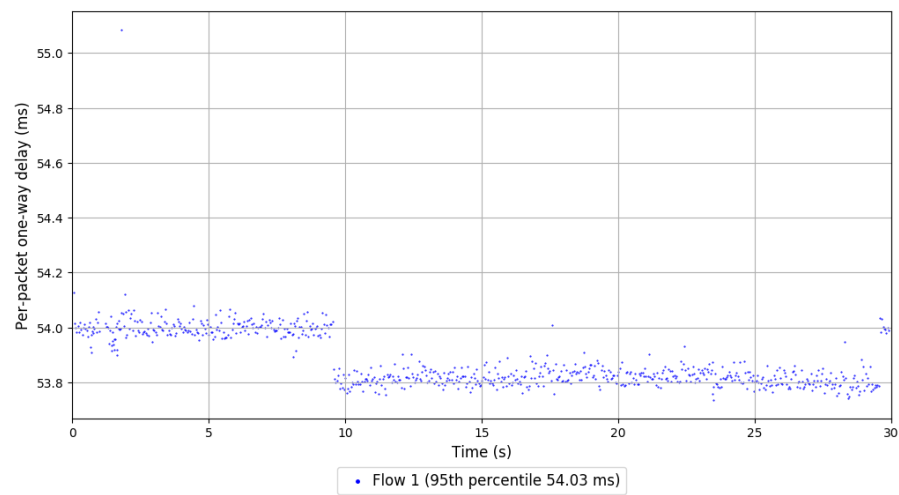
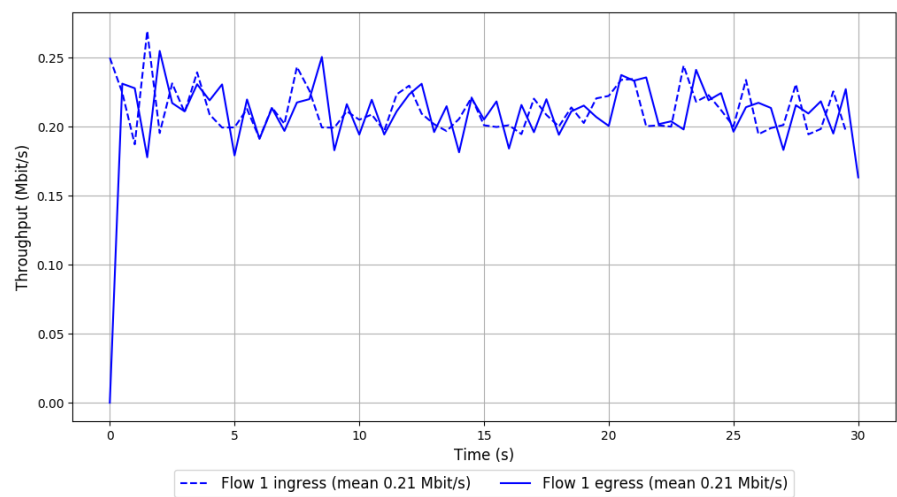
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.029 ms

Loss rate: 0.39%

Run 10: Report of SCRaM — Data Link

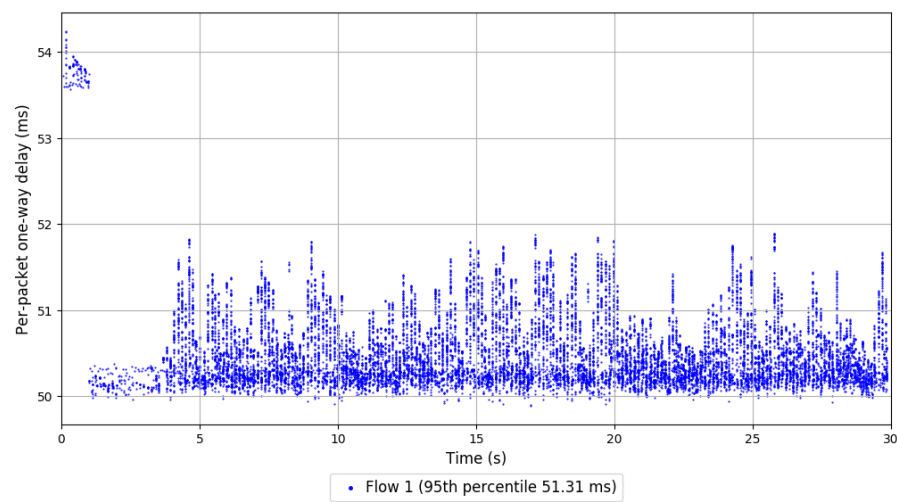
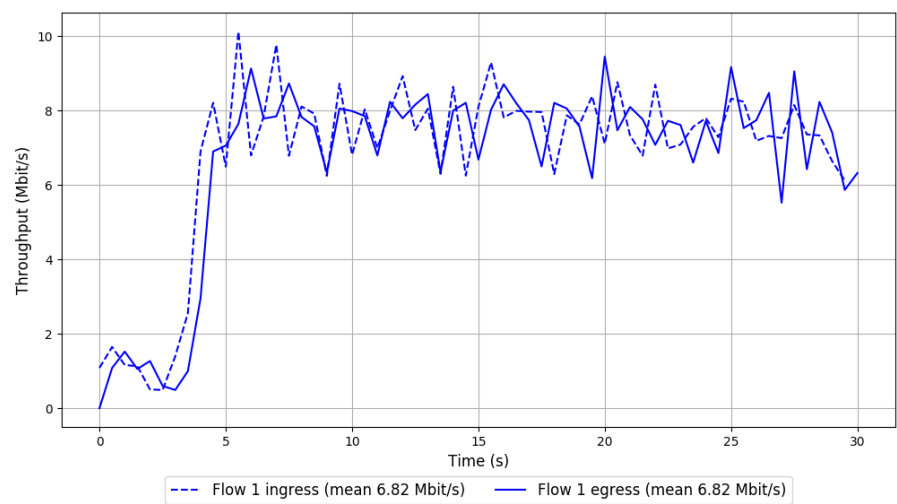


Run 1: Statistics of Sprout

Start at: 2018-07-01 23:14:37
End at: 2018-07-01 23:15:07
Local clock offset: 0.07 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-07-02 03:43:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.82 Mbit/s
95th percentile per-packet one-way delay: 51.315 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 6.82 Mbit/s
95th percentile per-packet one-way delay: 51.315 ms
Loss rate: 0.33%

Run 1: Report of Sprout — Data Link

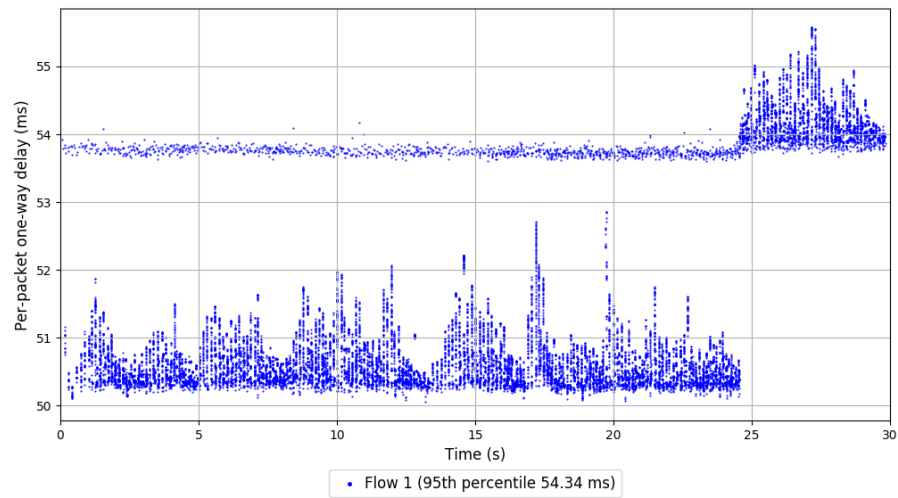
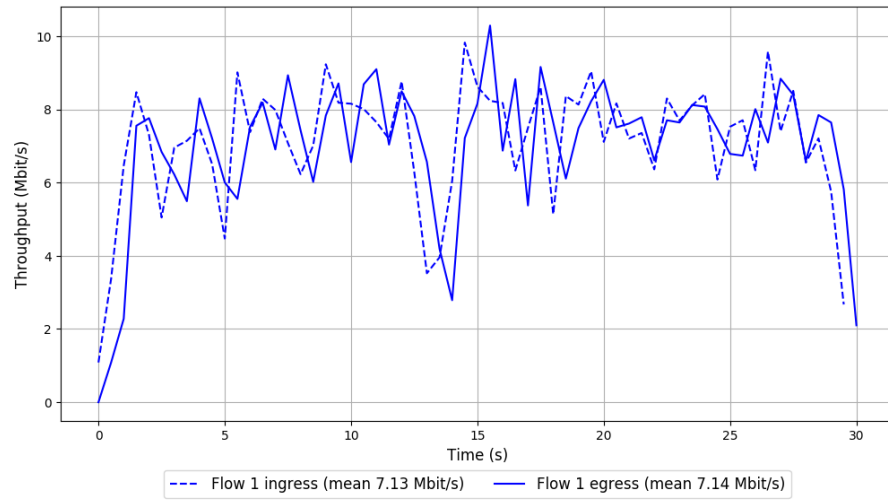


Run 2: Statistics of Sprout

Start at: 2018-07-01 23:36:03
End at: 2018-07-01 23:36:33
Local clock offset: 0.218 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-02 03:43:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.14 Mbit/s
95th percentile per-packet one-way delay: 54.339 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 7.14 Mbit/s
95th percentile per-packet one-way delay: 54.339 ms
Loss rate: 0.16%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-07-01 23:57:33

End at: 2018-07-01 23:58:03

Local clock offset: 0.096 ms

Remote clock offset: 1.155 ms

Below is generated by plot.py at 2018-07-02 03:43:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.41 Mbit/s

95th percentile per-packet one-way delay: 53.291 ms

Loss rate: 0.08%

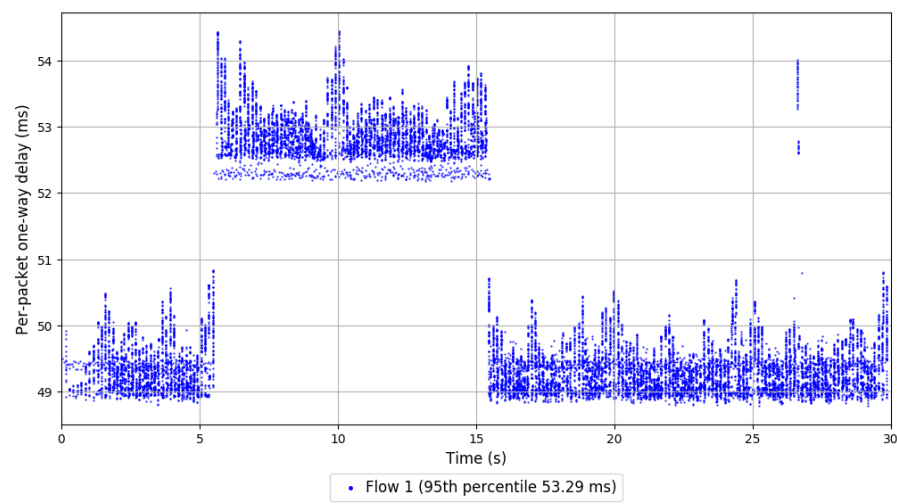
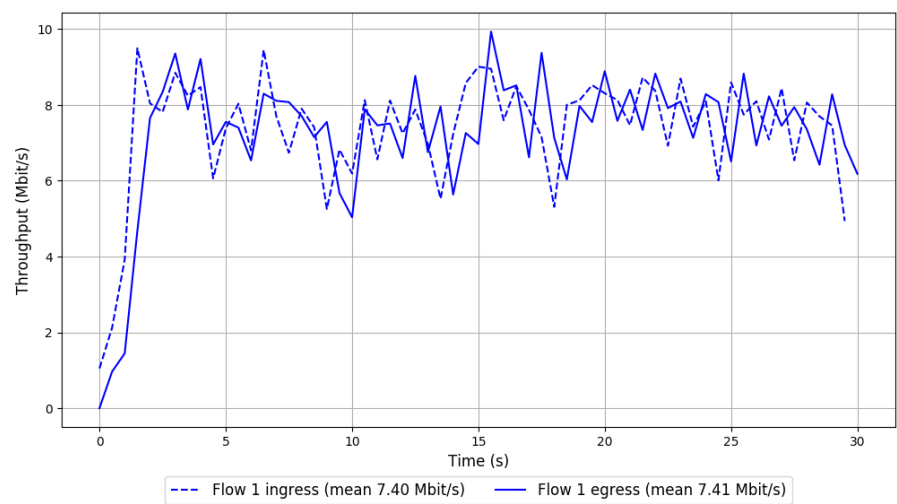
-- Flow 1:

Average throughput: 7.41 Mbit/s

95th percentile per-packet one-way delay: 53.291 ms

Loss rate: 0.08%

Run 3: Report of Sprout — Data Link

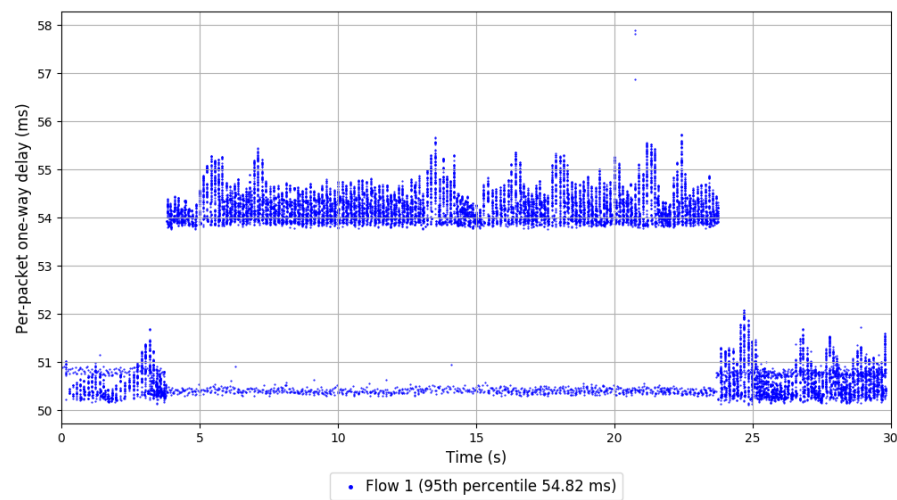
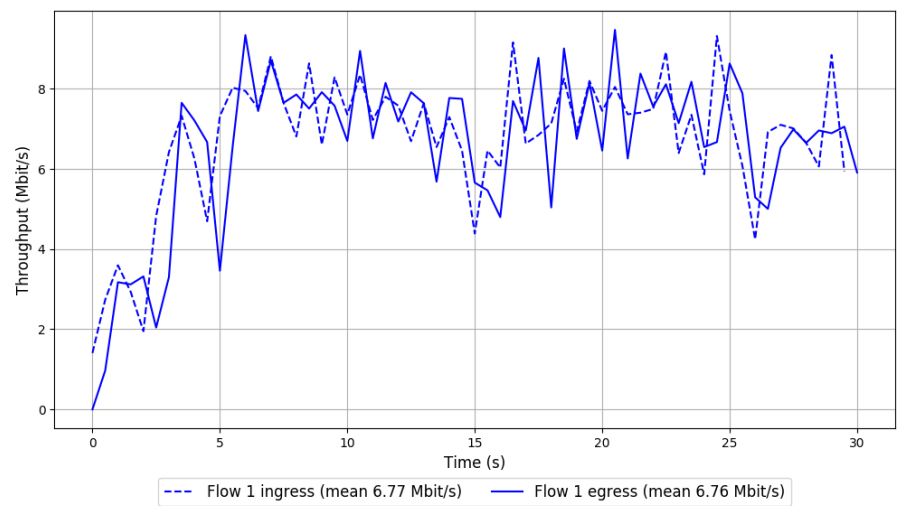


Run 4: Statistics of Sprout

Start at: 2018-07-02 00:19:04
End at: 2018-07-02 00:19:34
Local clock offset: 0.246 ms
Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-07-02 03:43:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.76 Mbit/s
95th percentile per-packet one-way delay: 54.816 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 6.76 Mbit/s
95th percentile per-packet one-way delay: 54.816 ms
Loss rate: 0.45%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-02 00:40:07

End at: 2018-07-02 00:40:37

Local clock offset: 0.21 ms

Remote clock offset: -1.48 ms

Below is generated by plot.py at 2018-07-02 03:43:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.37 Mbit/s

95th percentile per-packet one-way delay: 56.301 ms

Loss rate: 0.03%

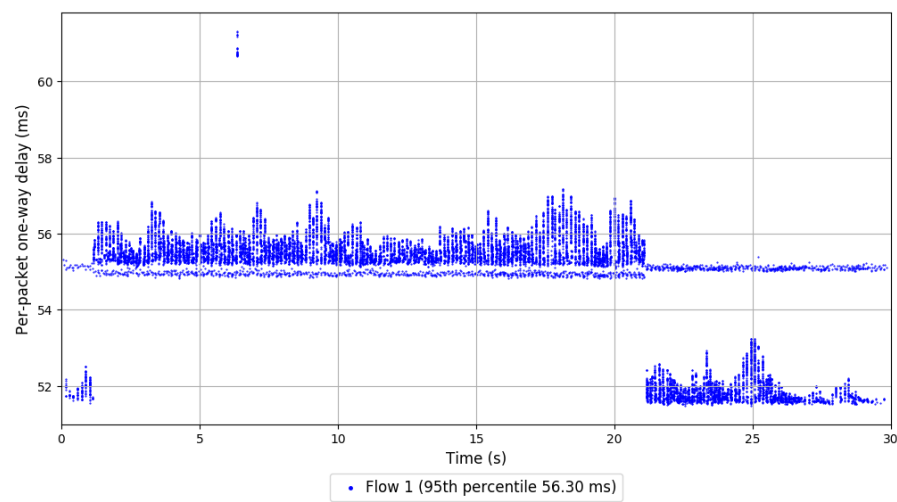
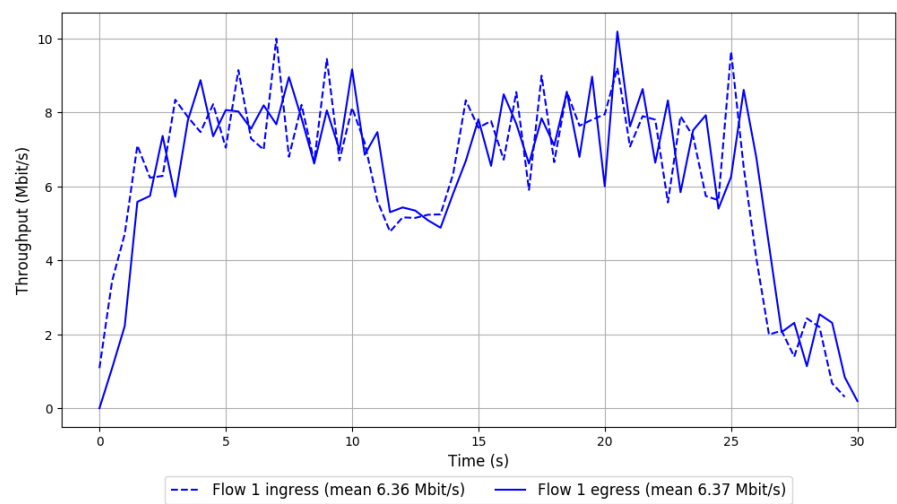
-- Flow 1:

Average throughput: 6.37 Mbit/s

95th percentile per-packet one-way delay: 56.301 ms

Loss rate: 0.03%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-02 01:01:17

End at: 2018-07-02 01:01:47

Local clock offset: 0.146 ms

Remote clock offset: 0.052 ms

Below is generated by plot.py at 2018-07-02 03:43:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.43 Mbit/s

95th percentile per-packet one-way delay: 54.813 ms

Loss rate: 0.33%

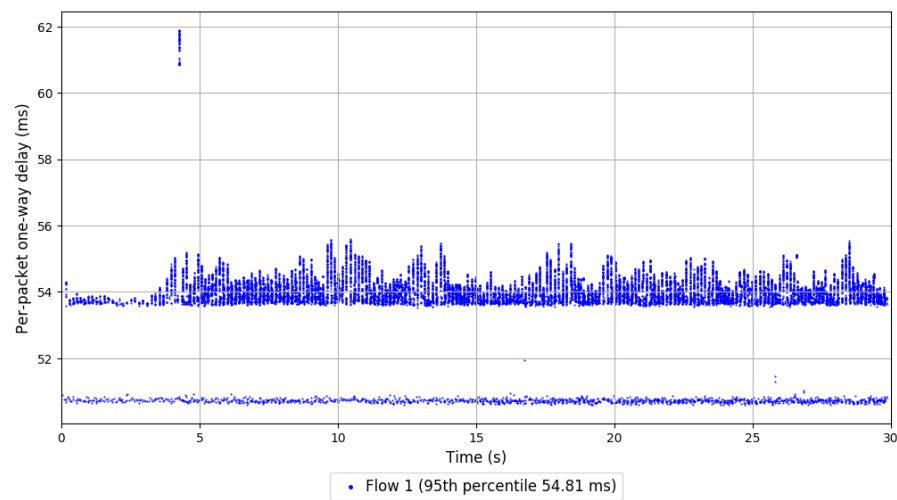
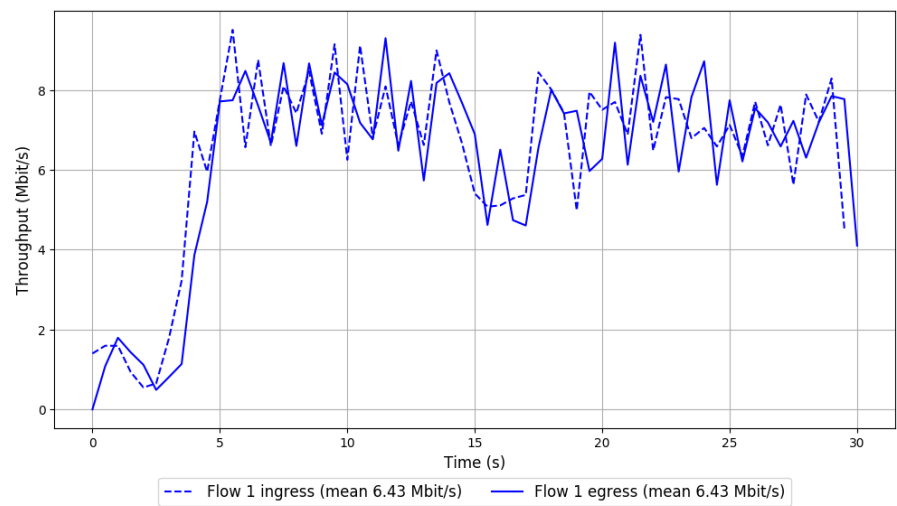
-- Flow 1:

Average throughput: 6.43 Mbit/s

95th percentile per-packet one-way delay: 54.813 ms

Loss rate: 0.33%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-07-02 01:22:42

End at: 2018-07-02 01:23:12

Local clock offset: 0.142 ms

Remote clock offset: 0.326 ms

Below is generated by plot.py at 2018-07-02 03:43:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.24 Mbit/s

95th percentile per-packet one-way delay: 54.688 ms

Loss rate: 0.41%

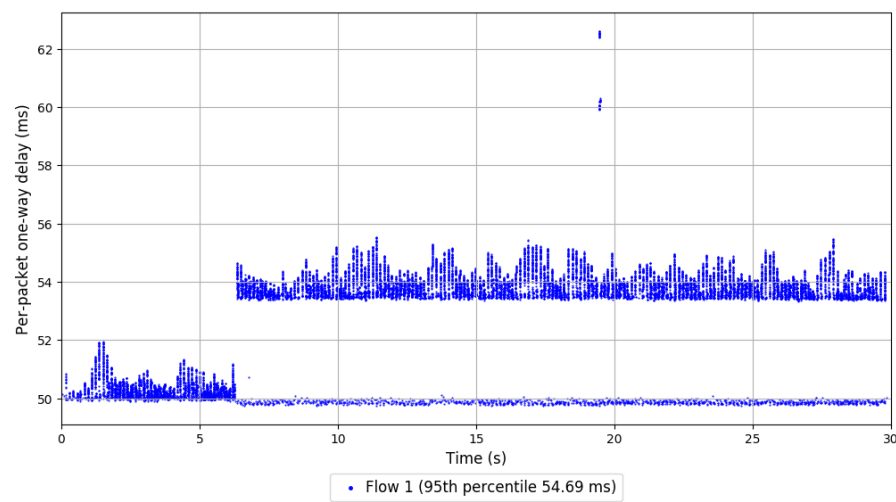
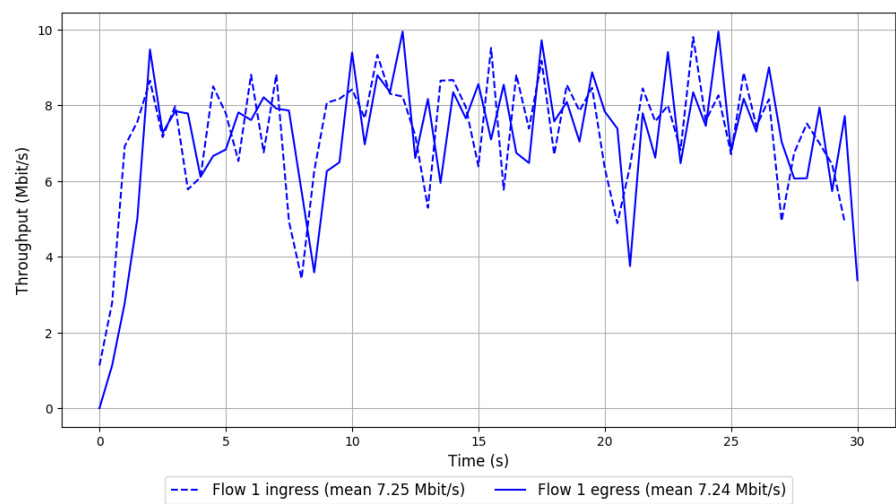
-- Flow 1:

Average throughput: 7.24 Mbit/s

95th percentile per-packet one-way delay: 54.688 ms

Loss rate: 0.41%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-07-02 01:43:39

End at: 2018-07-02 01:44:09

Local clock offset: -0.028 ms

Remote clock offset: 0.129 ms

Below is generated by plot.py at 2018-07-02 03:43:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.02 Mbit/s

95th percentile per-packet one-way delay: 54.443 ms

Loss rate: 0.38%

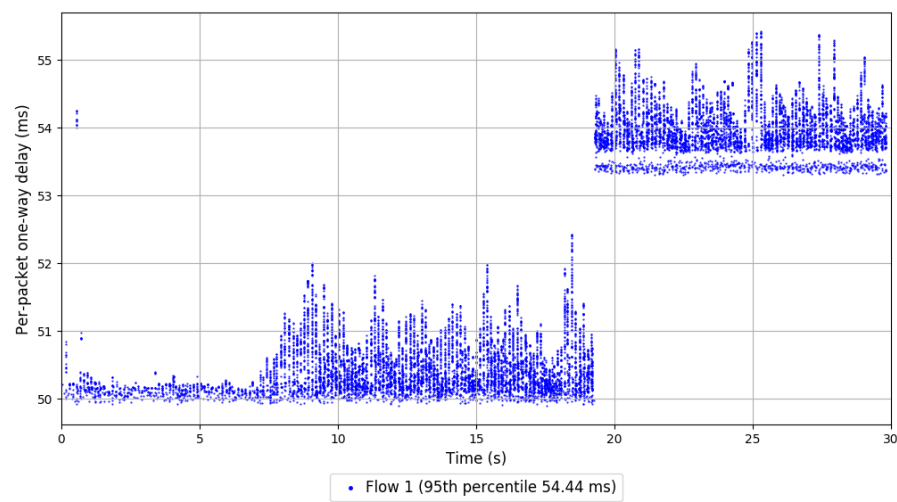
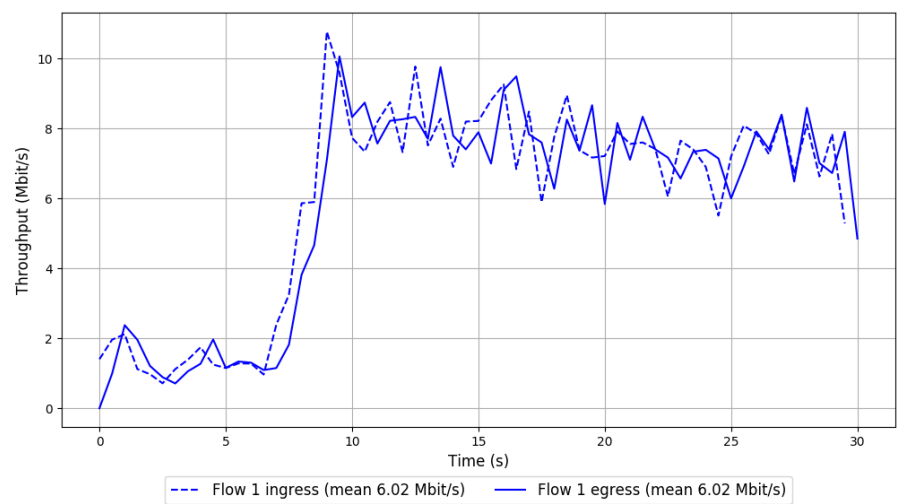
-- Flow 1:

Average throughput: 6.02 Mbit/s

95th percentile per-packet one-way delay: 54.443 ms

Loss rate: 0.38%

Run 8: Report of Sprout — Data Link

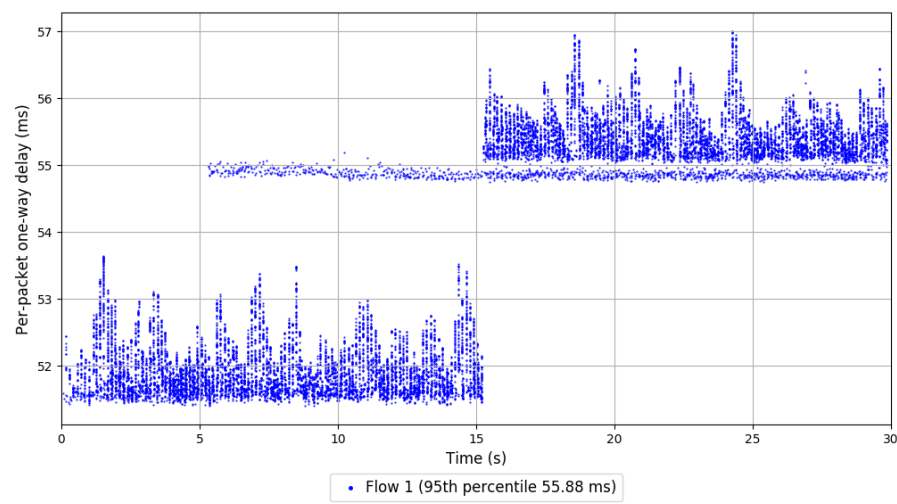
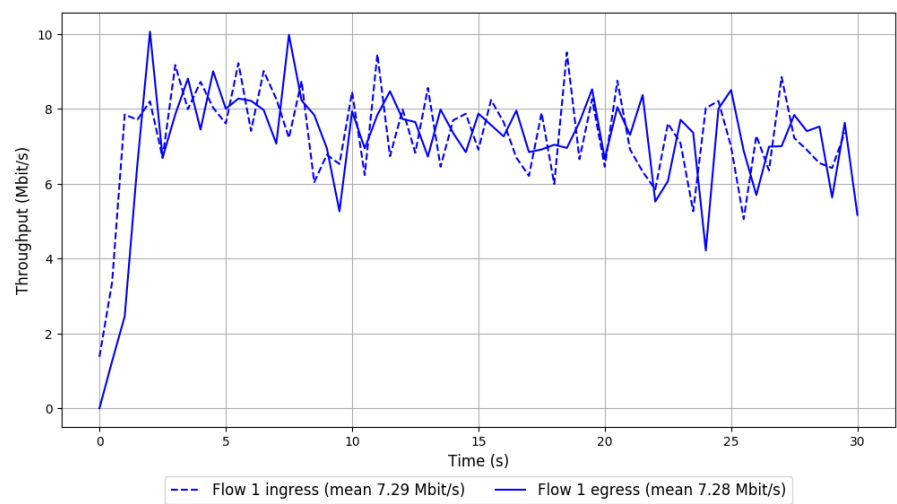


Run 9: Statistics of Sprout

Start at: 2018-07-02 02:05:03
End at: 2018-07-02 02:05:33
Local clock offset: -0.085 ms
Remote clock offset: -1.307 ms

Below is generated by plot.py at 2018-07-02 03:43:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.28 Mbit/s
95th percentile per-packet one-way delay: 55.882 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 7.28 Mbit/s
95th percentile per-packet one-way delay: 55.882 ms
Loss rate: 0.51%

Run 9: Report of Sprout — Data Link

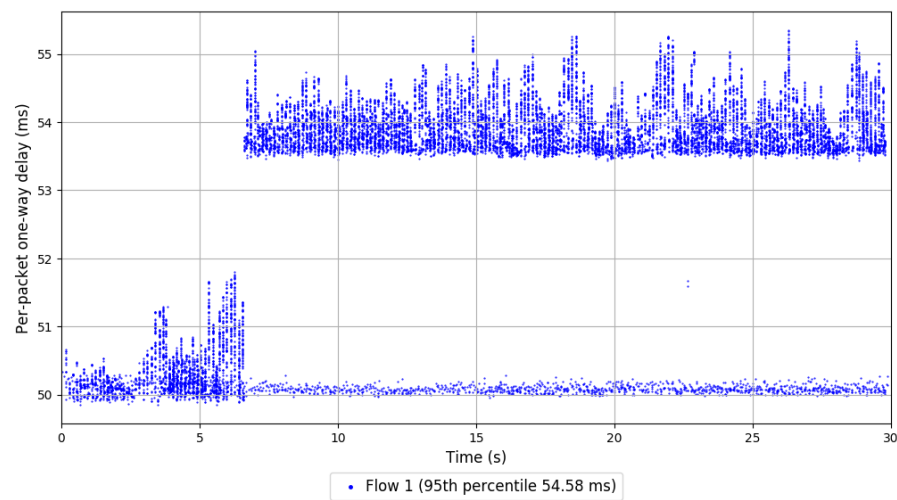
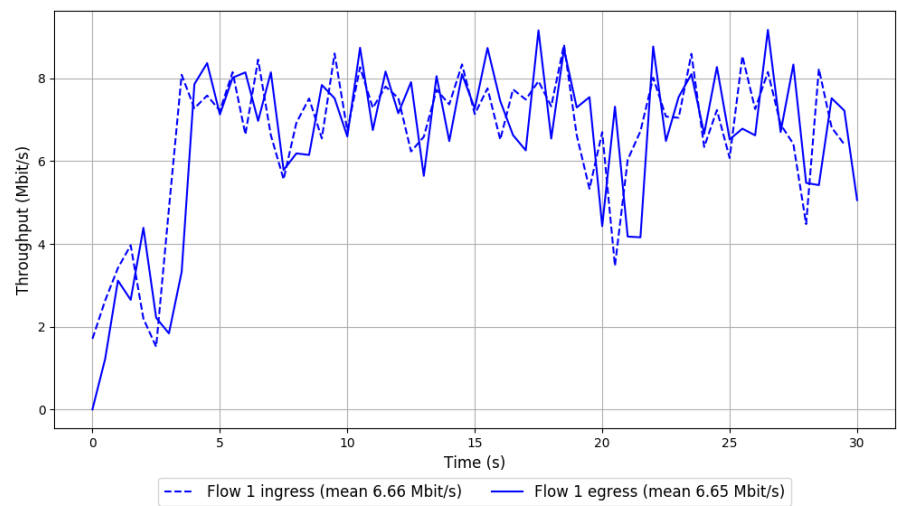


Run 10: Statistics of Sprout

Start at: 2018-07-02 02:26:11
End at: 2018-07-02 02:26:42
Local clock offset: -0.276 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-02 03:43:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.65 Mbit/s
95th percentile per-packet one-way delay: 54.577 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 6.65 Mbit/s
95th percentile per-packet one-way delay: 54.577 ms
Loss rate: 0.41%

Run 10: Report of Sprout — Data Link

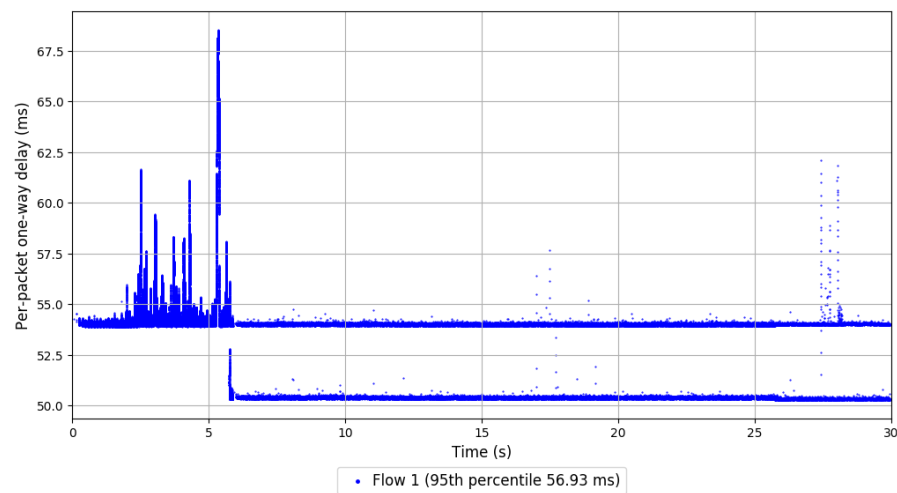
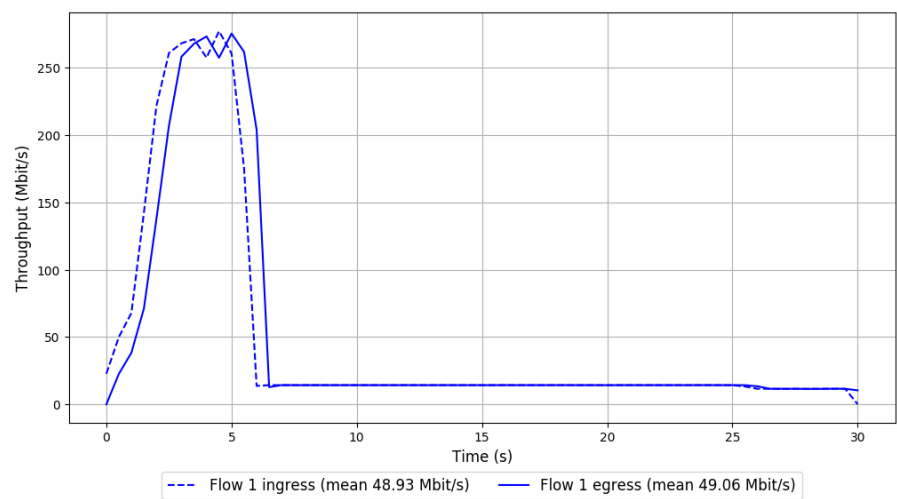


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-01 23:04:32
End at: 2018-07-01 23:05:02
Local clock offset: 0.272 ms
Remote clock offset: -0.322 ms

# Below is generated by plot.py at 2018-07-02 03:43:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.06 Mbit/s
95th percentile per-packet one-way delay: 56.930 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 49.06 Mbit/s
95th percentile per-packet one-way delay: 56.930 ms
Loss rate: 0.08%
```

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



Run 2: Statistics of TaoVA-100x

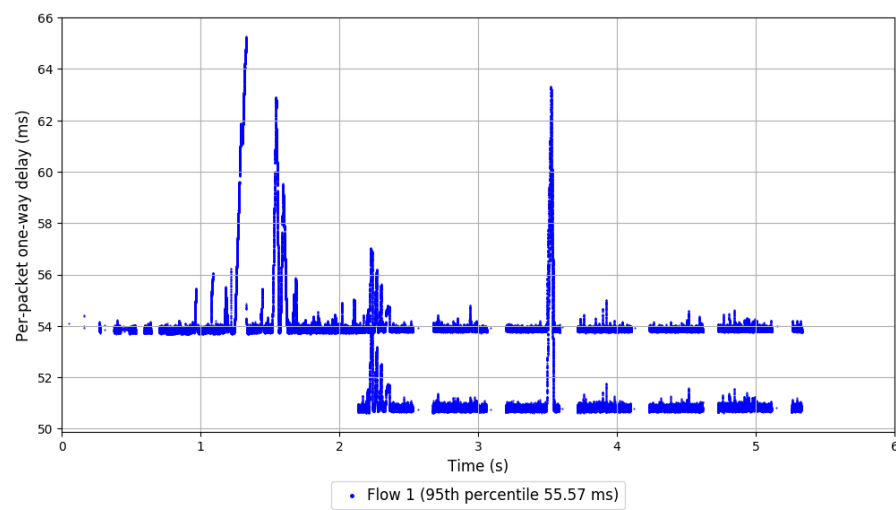
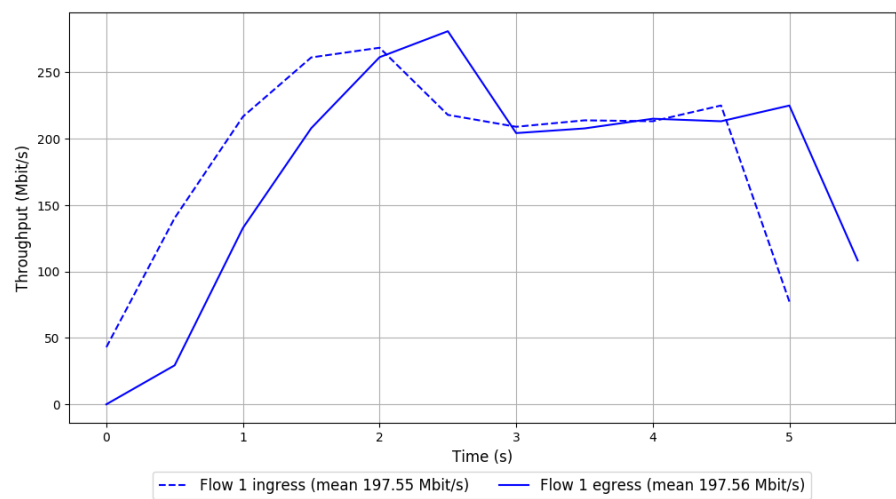
Start at: 2018-07-01 23:25:56

End at: 2018-07-01 23:26:26

Local clock offset: 0.209 ms

Remote clock offset: -0.218 ms

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-01 23:47:28

End at: 2018-07-01 23:47:58

Local clock offset: 0.037 ms

Remote clock offset: 1.343 ms

Below is generated by plot.py at 2018-07-02 03:45:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 181.59 Mbit/s

95th percentile per-packet one-way delay: 53.008 ms

Loss rate: 0.52%

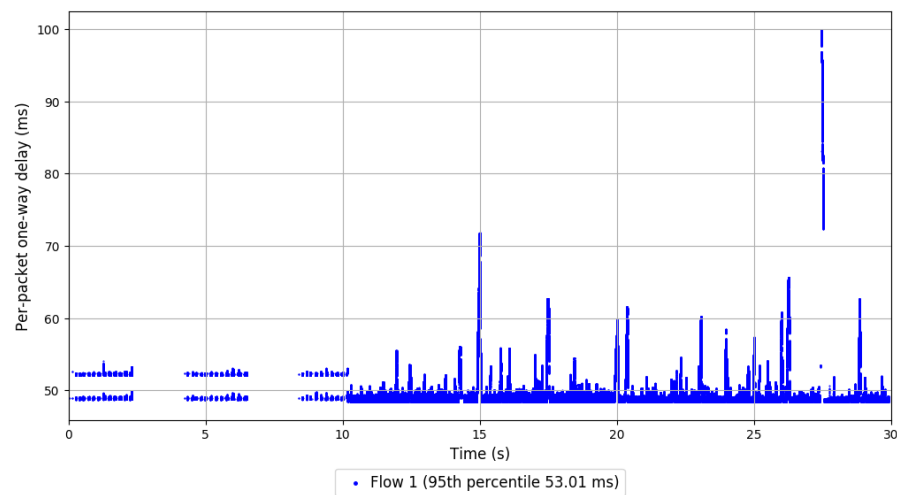
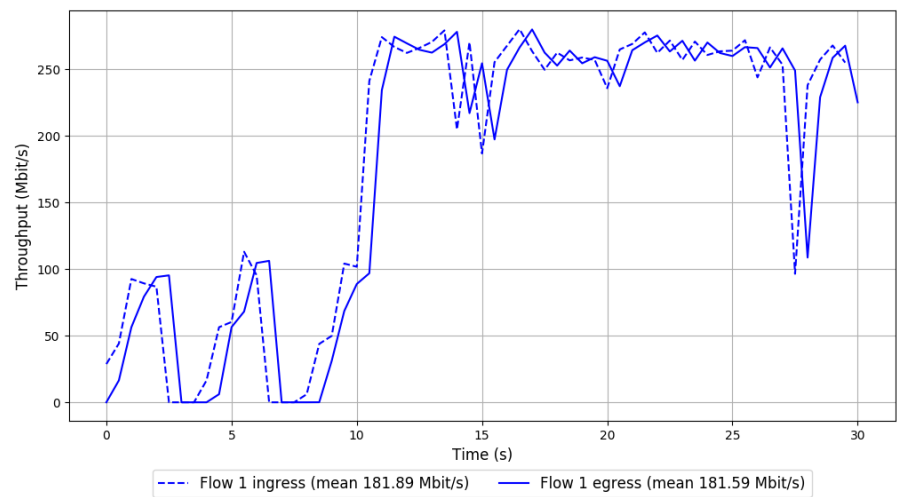
-- Flow 1:

Average throughput: 181.59 Mbit/s

95th percentile per-packet one-way delay: 53.008 ms

Loss rate: 0.52%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-02 00:08:45

End at: 2018-07-02 00:09:15

Local clock offset: 0.09 ms

Remote clock offset: 0.228 ms

Below is generated by plot.py at 2018-07-02 03:47:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.45 Mbit/s

95th percentile per-packet one-way delay: 53.547 ms

Loss rate: 0.42%

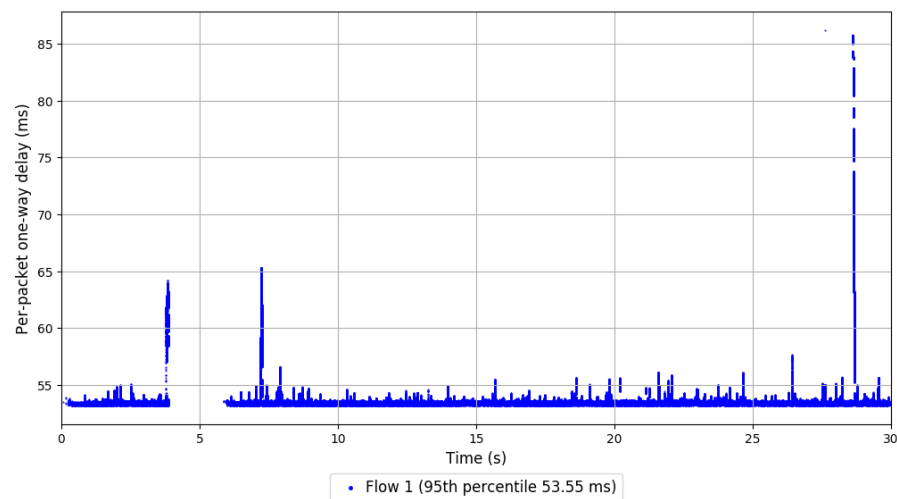
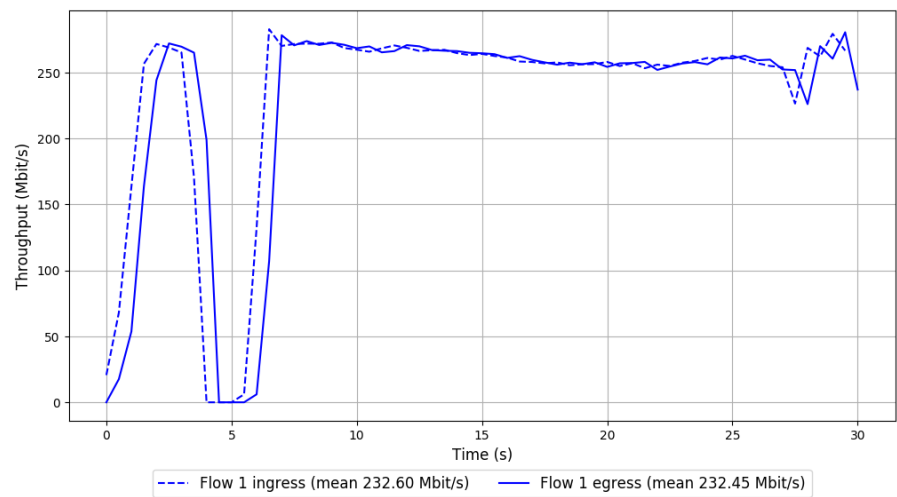
-- Flow 1:

Average throughput: 232.45 Mbit/s

95th percentile per-packet one-way delay: 53.547 ms

Loss rate: 0.42%

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

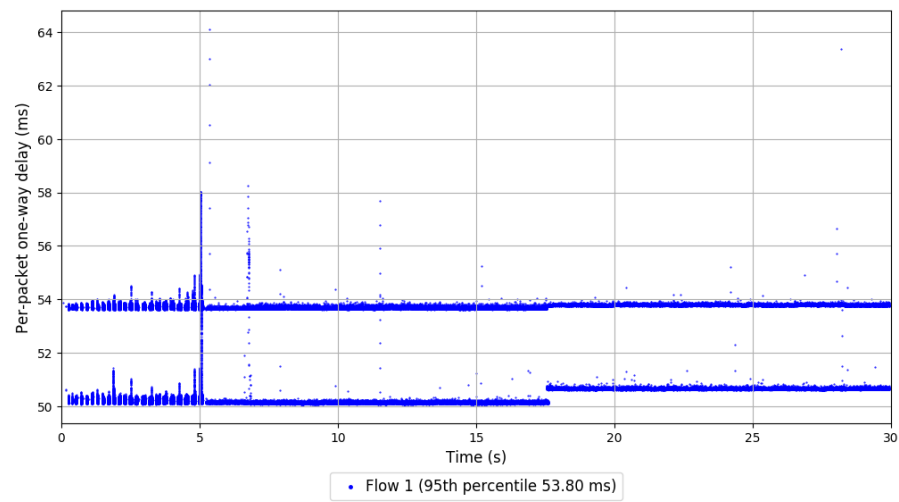
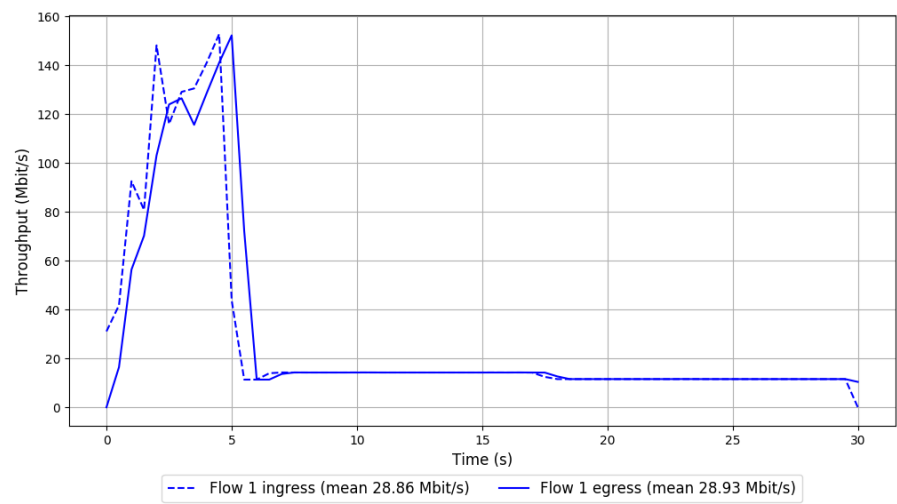


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-02 00:30:21
End at: 2018-07-02 00:30:51
Local clock offset: -0.052 ms
Remote clock offset: -0.402 ms

Below is generated by plot.py at 2018-07-02 03:47:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 28.93 Mbit/s
95th percentile per-packet one-way delay: 53.805 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 28.93 Mbit/s
95th percentile per-packet one-way delay: 53.805 ms
Loss rate: 0.14%

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



Run 6: Statistics of TaoVA-100x

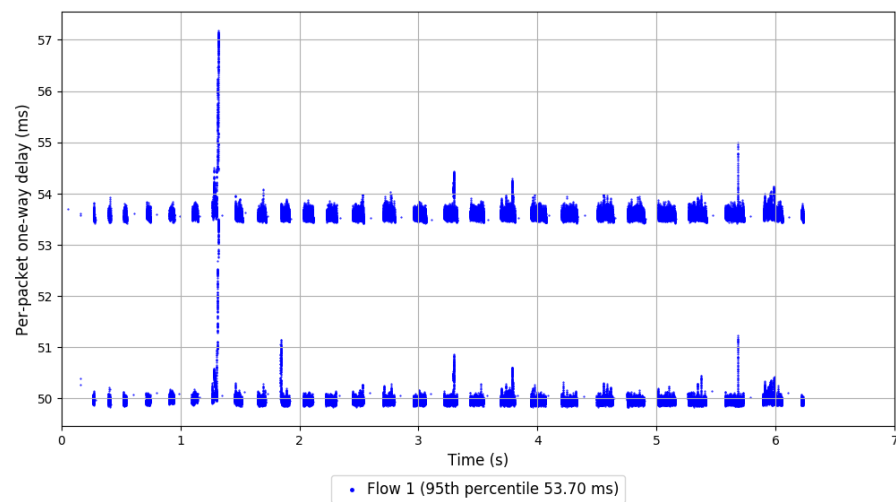
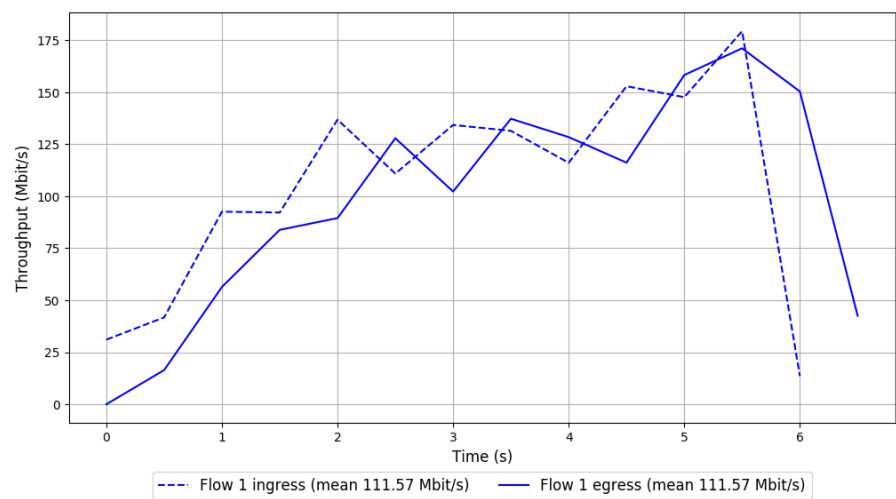
Start at: 2018-07-02 00:51:25

End at: 2018-07-02 00:51:56

Local clock offset: -0.081 ms

Remote clock offset: -0.159 ms

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

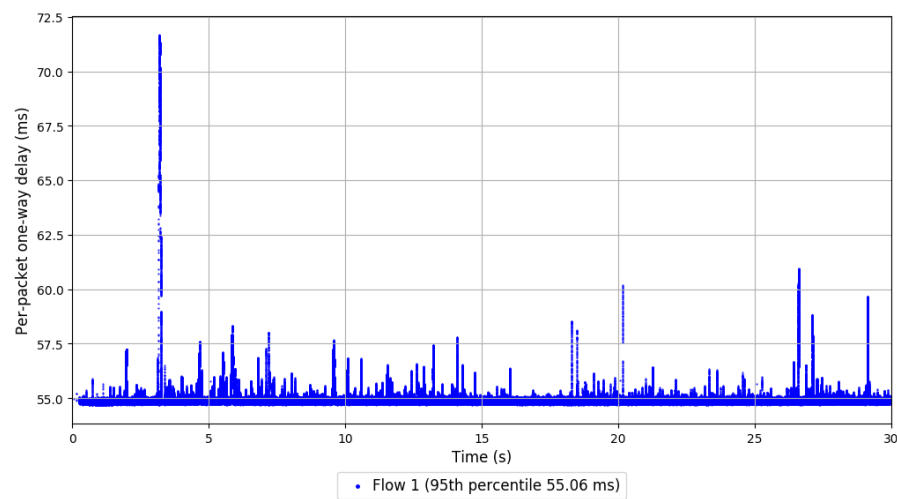
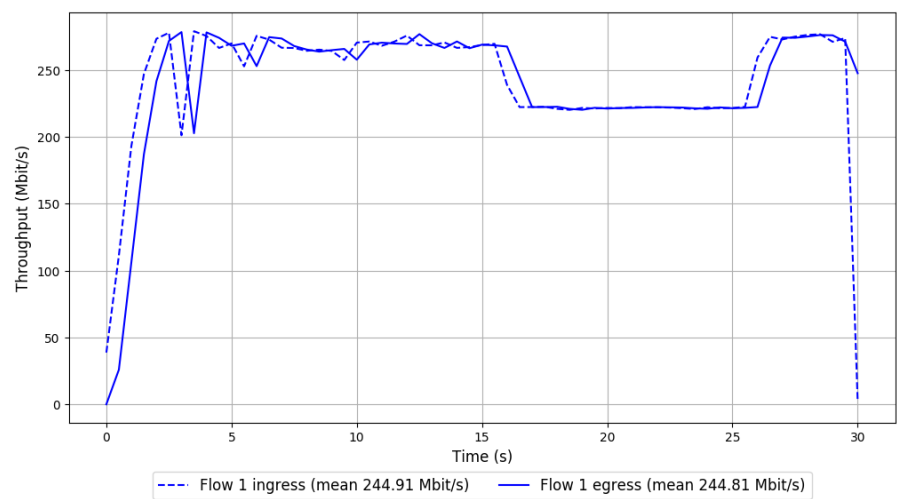


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-02 01:12:39
End at: 2018-07-02 01:13:09
Local clock offset: -0.071 ms
Remote clock offset: -1.393 ms

Below is generated by plot.py at 2018-07-02 03:48:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 244.81 Mbit/s
95th percentile per-packet one-way delay: 55.058 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 244.81 Mbit/s
95th percentile per-packet one-way delay: 55.058 ms
Loss rate: 0.40%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-02 01:33:55

End at: 2018-07-02 01:34:25

Local clock offset: -0.037 ms

Remote clock offset: 0.136 ms

Below is generated by plot.py at 2018-07-02 03:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.61 Mbit/s

95th percentile per-packet one-way delay: 53.377 ms

Loss rate: 1.64%

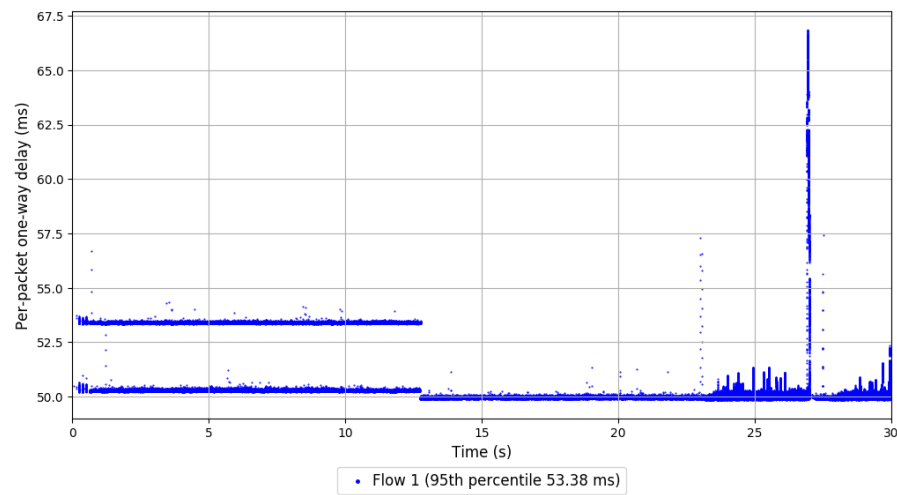
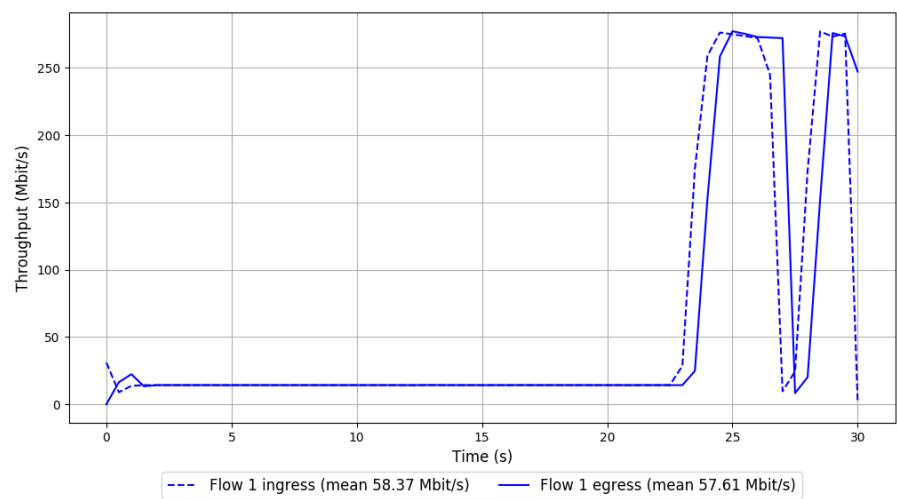
-- Flow 1:

Average throughput: 57.61 Mbit/s

95th percentile per-packet one-way delay: 53.377 ms

Loss rate: 1.64%

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

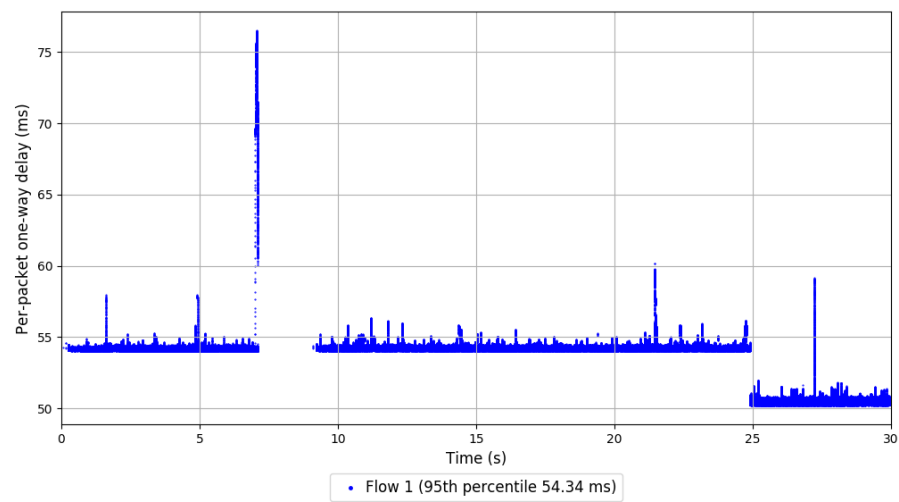
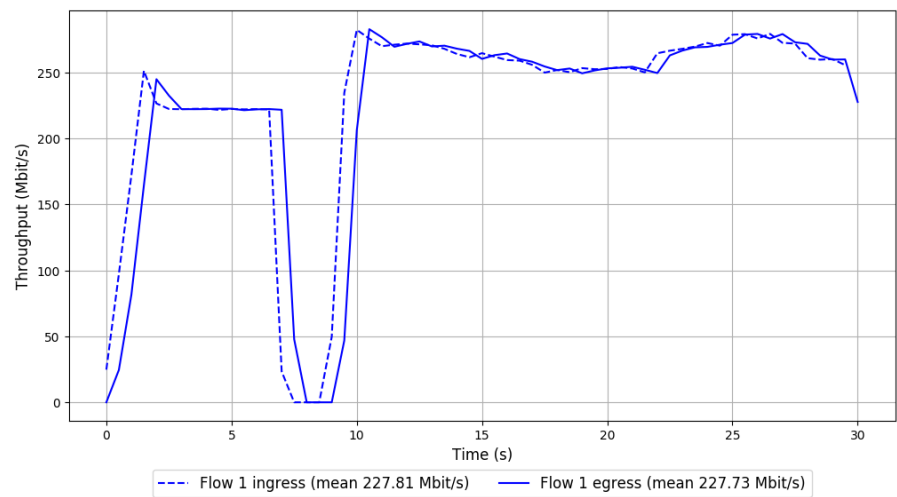


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-02 01:54:53
End at: 2018-07-02 01:55:23
Local clock offset: -0.016 ms
Remote clock offset: -0.419 ms

Below is generated by plot.py at 2018-07-02 03:48:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 227.73 Mbit/s
95th percentile per-packet one-way delay: 54.336 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 227.73 Mbit/s
95th percentile per-packet one-way delay: 54.336 ms
Loss rate: 0.40%

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



Run 10: Statistics of TaoVA-100x

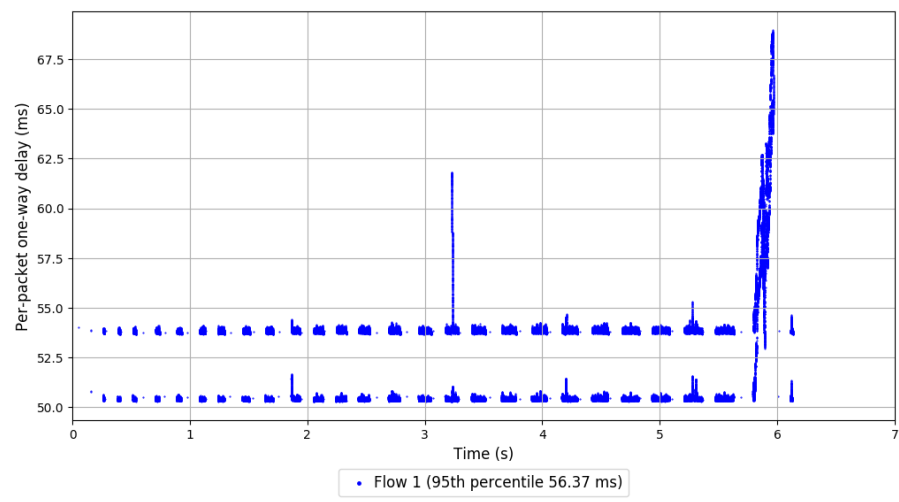
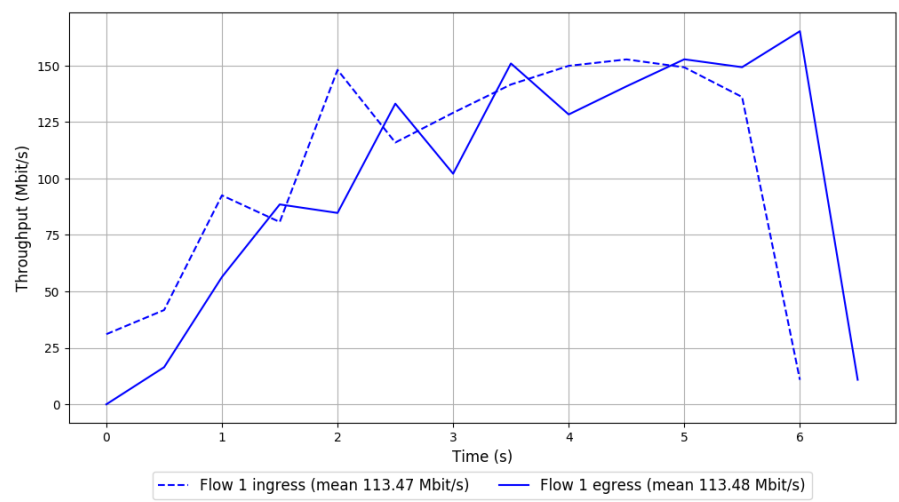
Start at: 2018-07-02 02:16:11

End at: 2018-07-02 02:16:41

Local clock offset: 0.002 ms

Remote clock offset: -0.131 ms

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

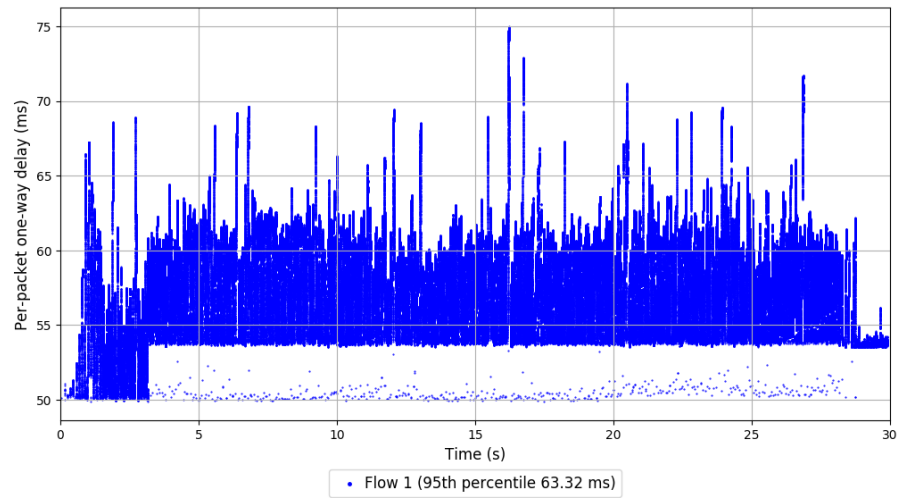
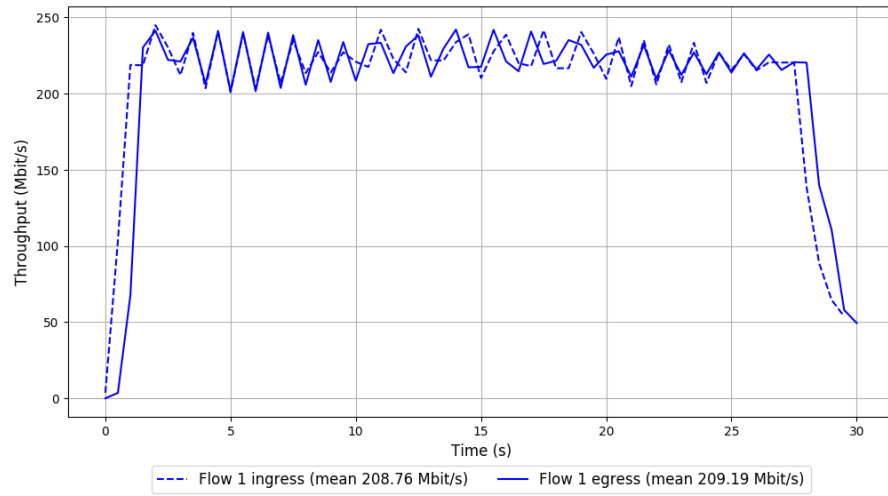


Run 1: Statistics of TCP Vegas

Start at: 2018-07-01 23:18:05
End at: 2018-07-01 23:18:35
Local clock offset: 0.194 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-02 03:48:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 209.19 Mbit/s
95th percentile per-packet one-way delay: 63.319 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 209.19 Mbit/s
95th percentile per-packet one-way delay: 63.319 ms
Loss rate: 0.10%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-01 23:39:31

End at: 2018-07-01 23:40:01

Local clock offset: -0.017 ms

Remote clock offset: 0.289 ms

Below is generated by plot.py at 2018-07-02 03:48:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.57 Mbit/s

95th percentile per-packet one-way delay: 63.988 ms

Loss rate: 0.37%

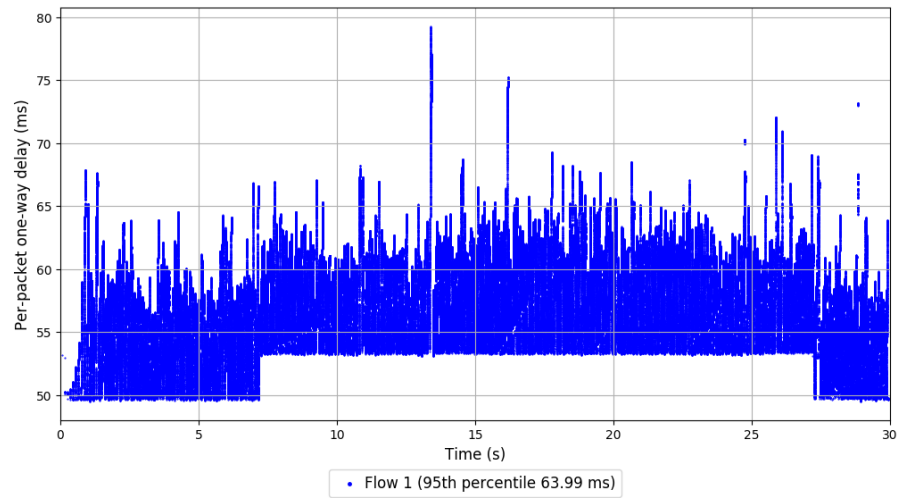
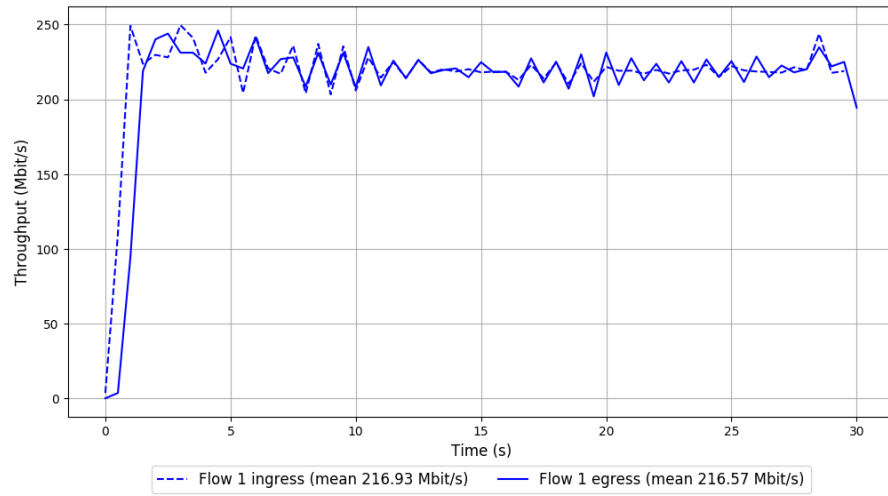
-- Flow 1:

Average throughput: 216.57 Mbit/s

95th percentile per-packet one-way delay: 63.988 ms

Loss rate: 0.37%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-02 00:00:59

End at: 2018-07-02 00:01:29

Local clock offset: 0.015 ms

Remote clock offset: 1.235 ms

Below is generated by plot.py at 2018-07-02 03:48:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.27 Mbit/s

95th percentile per-packet one-way delay: 53.144 ms

Loss rate: 0.35%

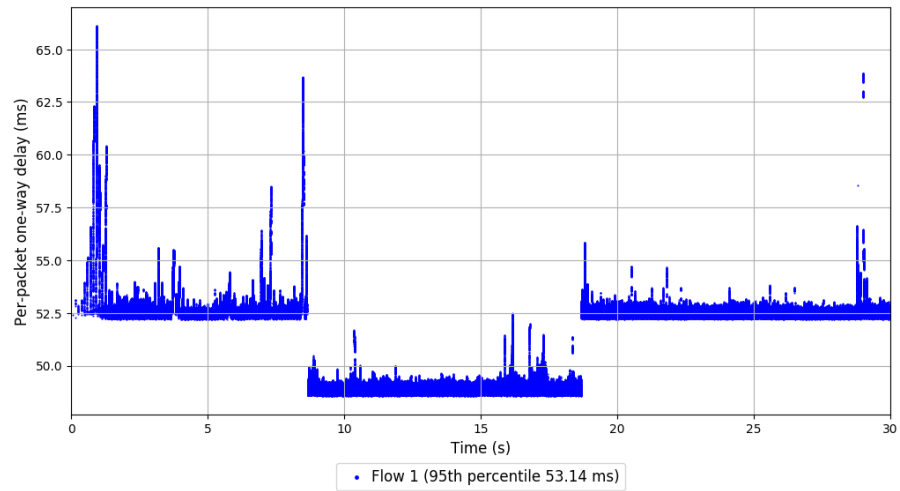
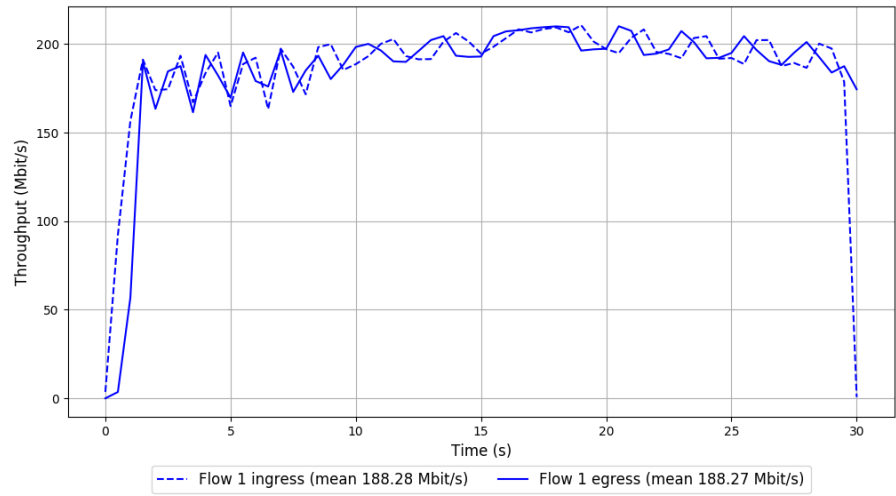
-- Flow 1:

Average throughput: 188.27 Mbit/s

95th percentile per-packet one-way delay: 53.144 ms

Loss rate: 0.35%

Run 3: Report of TCP Vegas — Data Link

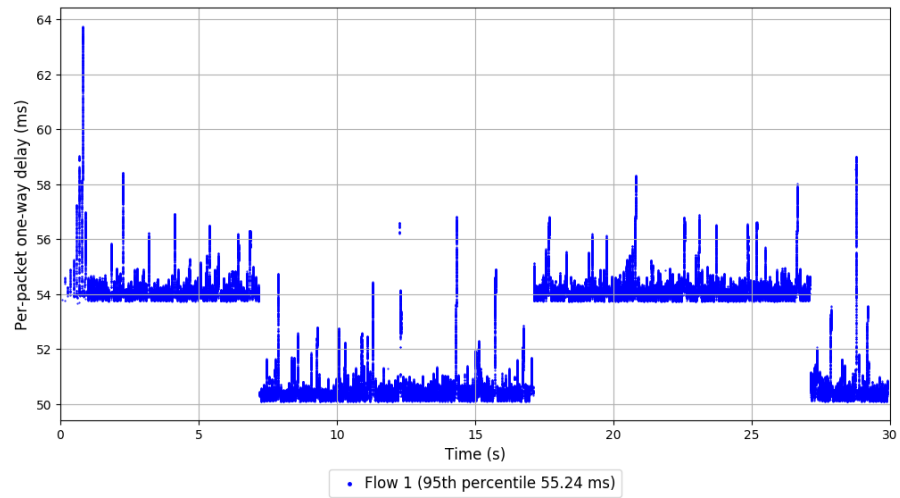
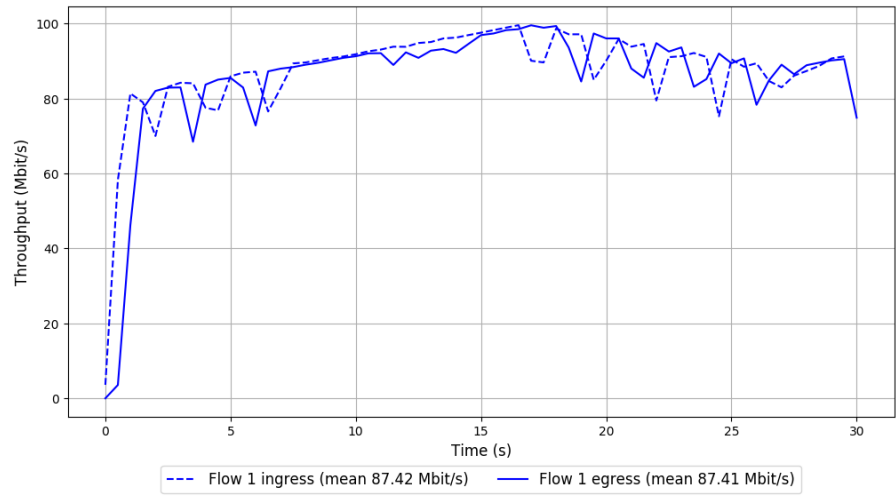


Run 4: Statistics of TCP Vegas

Start at: 2018-07-02 00:22:31
End at: 2018-07-02 00:23:01
Local clock offset: 0.122 ms
Remote clock offset: -0.263 ms

Below is generated by plot.py at 2018-07-02 03:48:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.41 Mbit/s
95th percentile per-packet one-way delay: 55.245 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 87.41 Mbit/s
95th percentile per-packet one-way delay: 55.245 ms
Loss rate: 0.35%

Run 4: Report of TCP Vegas — Data Link

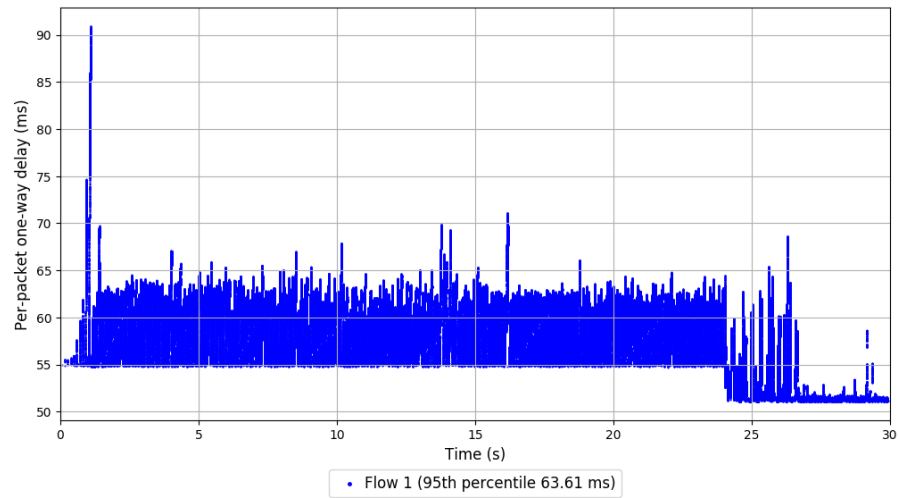
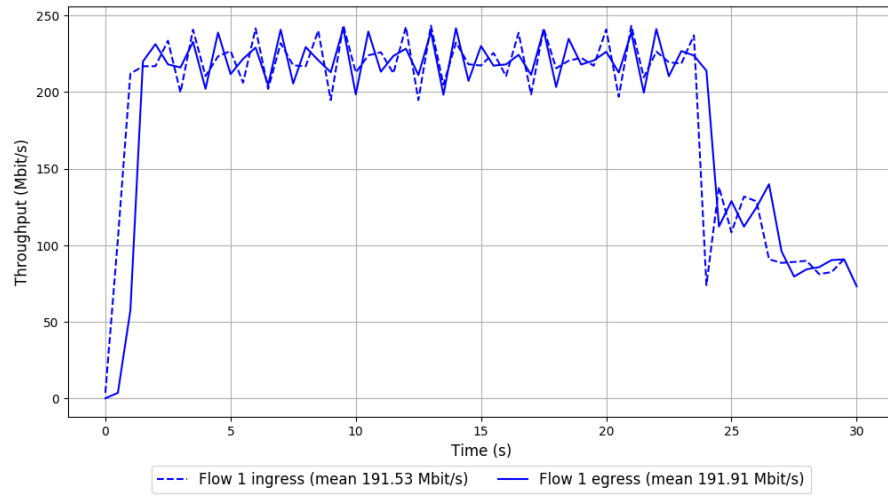


Run 5: Statistics of TCP Vegas

Start at: 2018-07-02 00:43:34
End at: 2018-07-02 00:44:04
Local clock offset: -0.117 ms
Remote clock offset: -1.457 ms

Below is generated by plot.py at 2018-07-02 03:48:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 191.91 Mbit/s
95th percentile per-packet one-way delay: 63.611 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 191.91 Mbit/s
95th percentile per-packet one-way delay: 63.611 ms
Loss rate: 0.16%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-02 01:04:44

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

Local clock offset: 0.049 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-02 03:49:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 216.08 Mbit/s

95th percentile per-packet one-way delay: 62.759 ms

Loss rate: 0.41%

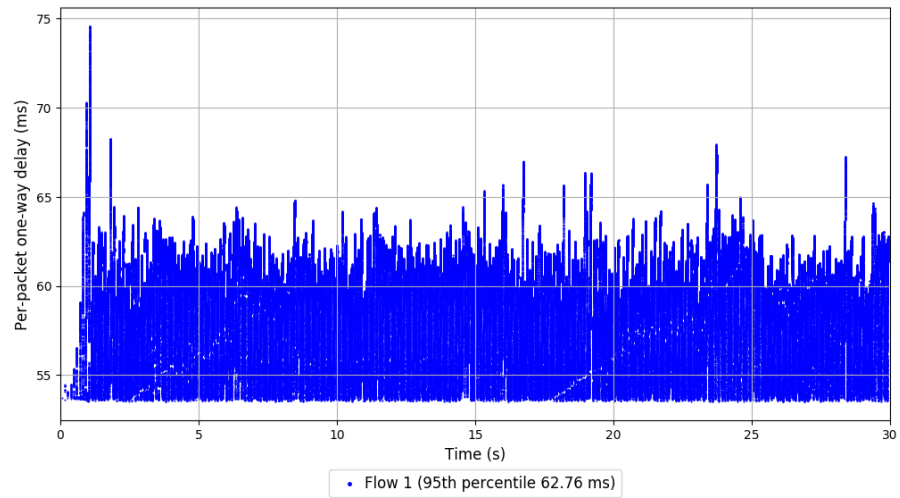
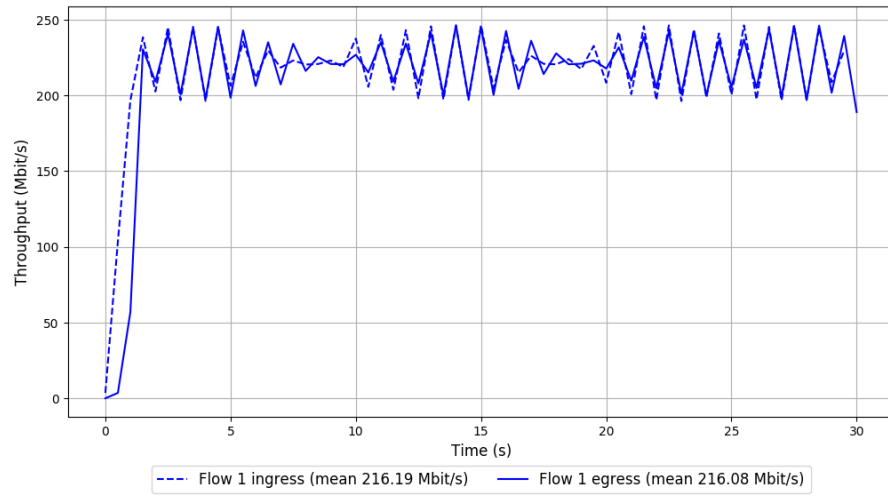
-- Flow 1:

Average throughput: 216.08 Mbit/s

95th percentile per-packet one-way delay: 62.759 ms

Loss rate: 0.41%

Run 6: Report of TCP Vegas — Data Link

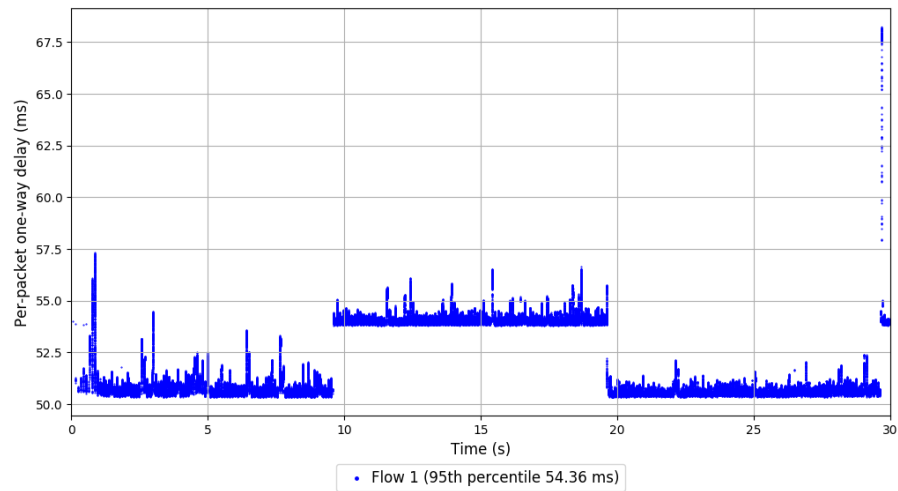
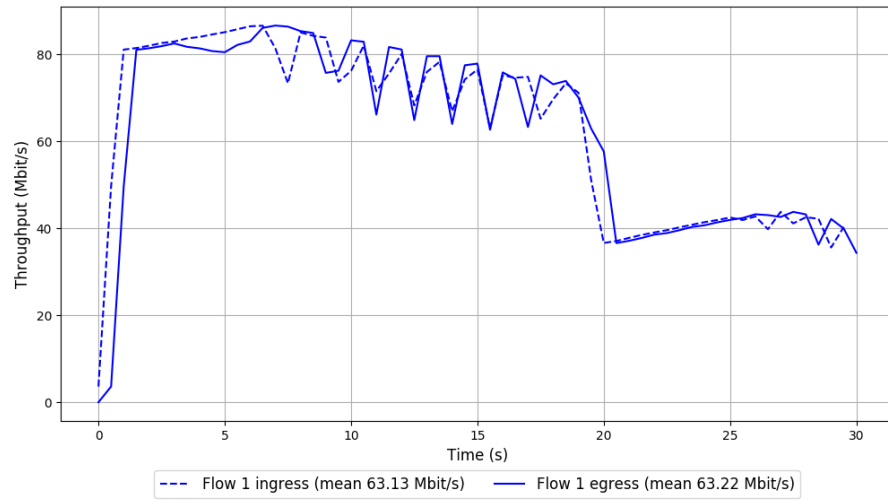


Run 7: Statistics of TCP Vegas

Start at: 2018-07-02 01:26:09
End at: 2018-07-02 01:26:39
Local clock offset: -0.038 ms
Remote clock offset: -0.376 ms

Below is generated by plot.py at 2018-07-02 03:49:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.22 Mbit/s
95th percentile per-packet one-way delay: 54.361 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 63.22 Mbit/s
95th percentile per-packet one-way delay: 54.361 ms
Loss rate: 0.21%

Run 7: Report of TCP Vegas — Data Link

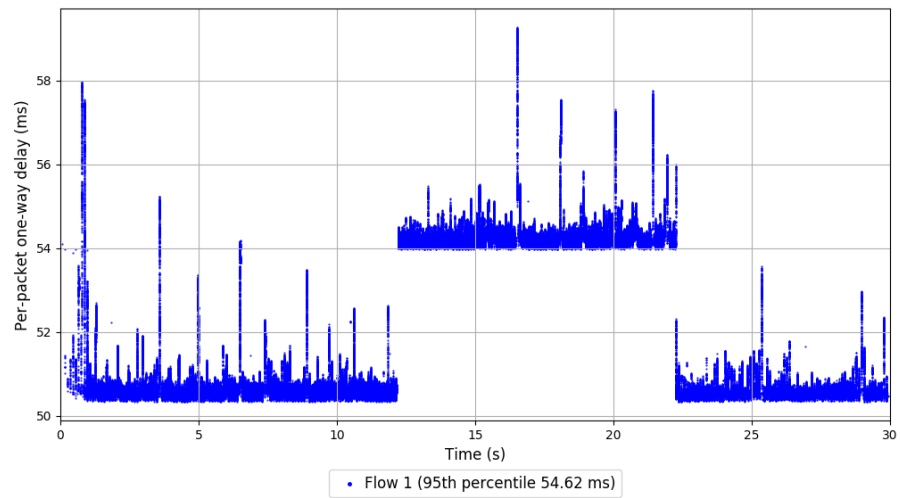
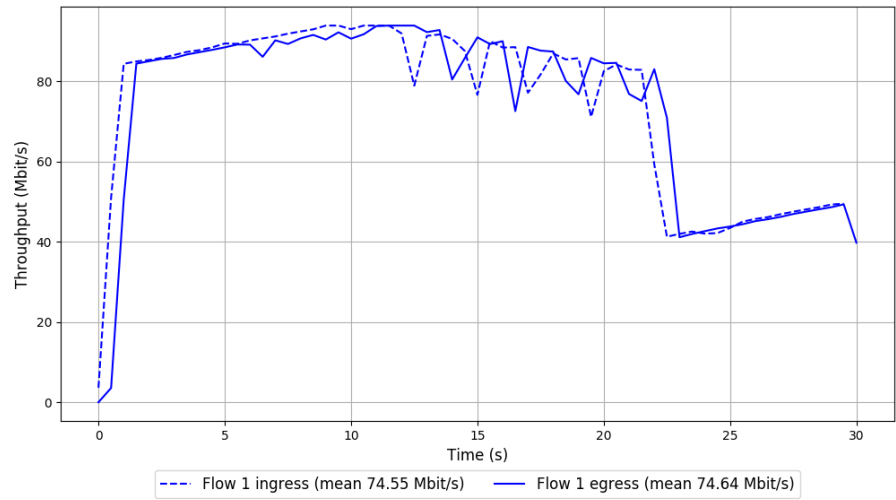


Run 8: Statistics of TCP Vegas

Start at: 2018-07-02 01:47:06
End at: 2018-07-02 01:47:36
Local clock offset: -0.101 ms
Remote clock offset: -0.387 ms

Below is generated by plot.py at 2018-07-02 03:49:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.64 Mbit/s
95th percentile per-packet one-way delay: 54.619 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 74.64 Mbit/s
95th percentile per-packet one-way delay: 54.619 ms
Loss rate: 0.22%

Run 8: Report of TCP Vegas — Data Link

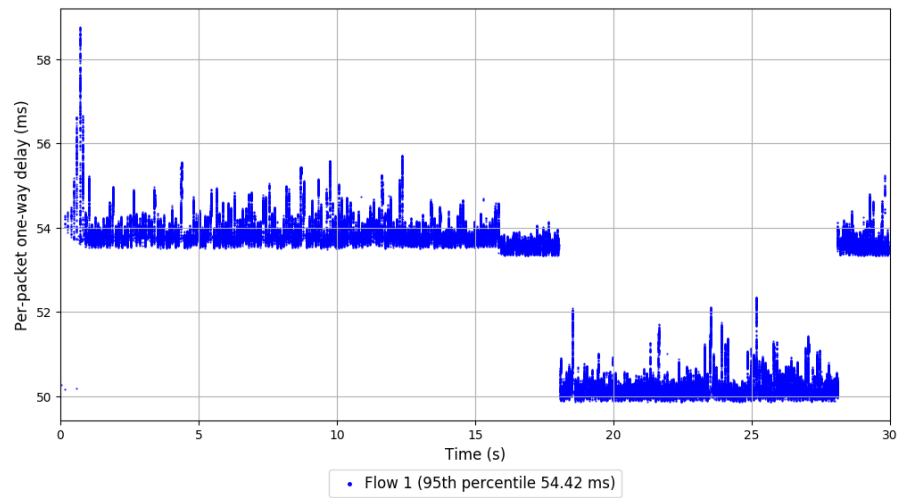
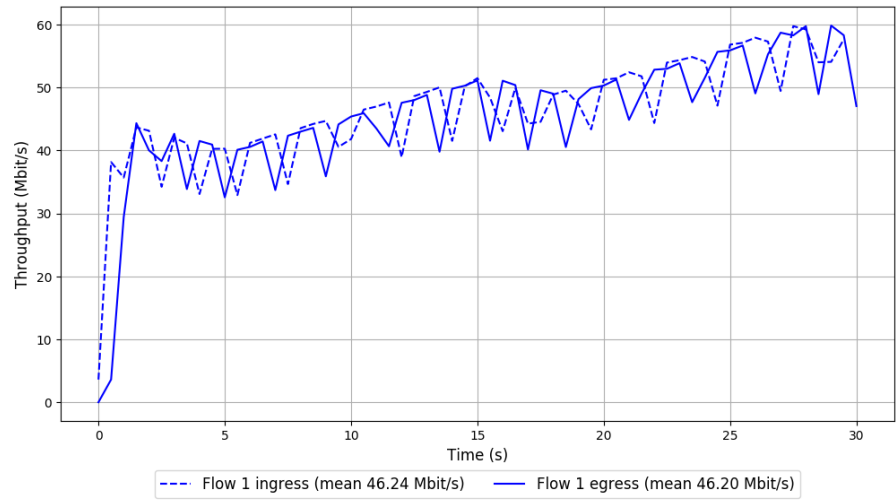


Run 9: Statistics of TCP Vegas

Start at: 2018-07-02 02:08:30
End at: 2018-07-02 02:09:00
Local clock offset: -0.295 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-02 03:49:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 46.20 Mbit/s
95th percentile per-packet one-way delay: 54.419 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 46.20 Mbit/s
95th percentile per-packet one-way delay: 54.419 ms
Loss rate: 0.42%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-02 02:29:39

End at: 2018-07-02 02:30:09

Local clock offset: -0.131 ms

Remote clock offset: 0.302 ms

Below is generated by plot.py at 2018-07-02 03:49:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.44 Mbit/s

95th percentile per-packet one-way delay: 54.216 ms

Loss rate: 0.24%

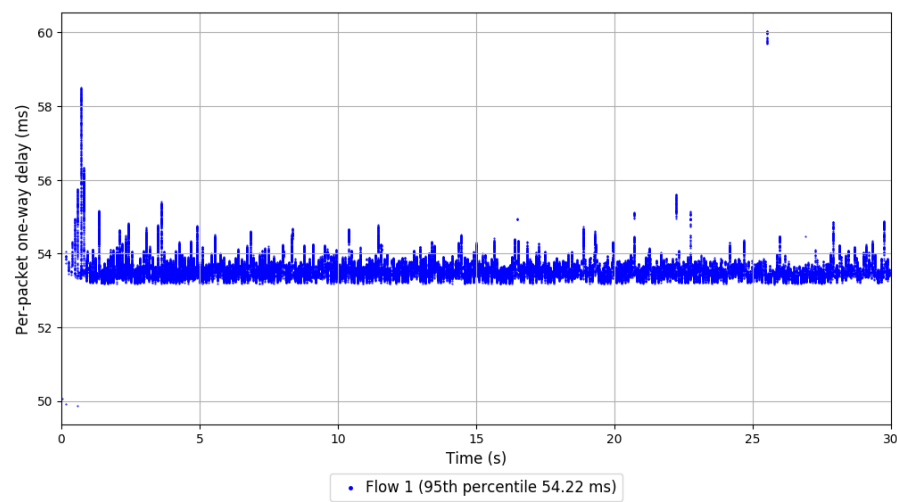
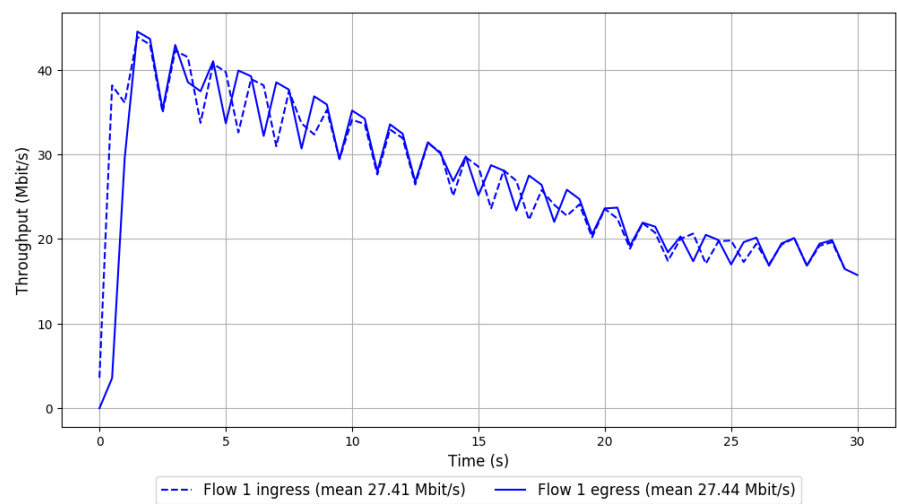
-- Flow 1:

Average throughput: 27.44 Mbit/s

95th percentile per-packet one-way delay: 54.216 ms

Loss rate: 0.24%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-01 23:10:57

End at: 2018-07-01 23:11:27

Local clock offset: 0.056 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-02 03:51:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 245.97 Mbit/s

95th percentile per-packet one-way delay: 83.211 ms

Loss rate: 1.36%

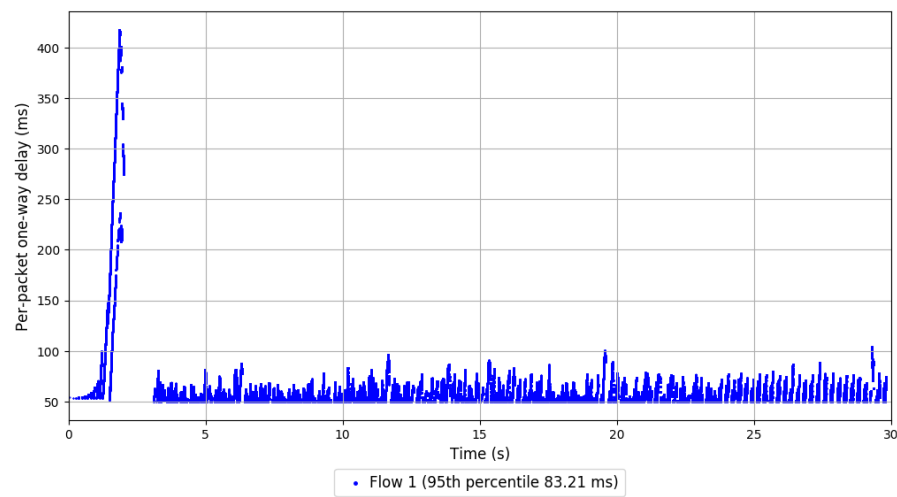
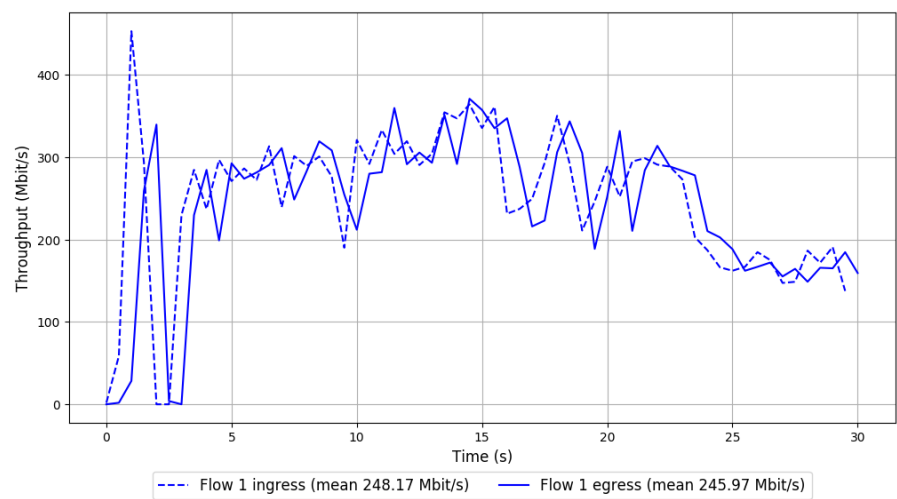
-- Flow 1:

Average throughput: 245.97 Mbit/s

95th percentile per-packet one-way delay: 83.211 ms

Loss rate: 1.36%

Run 1: Report of Verus — Data Link

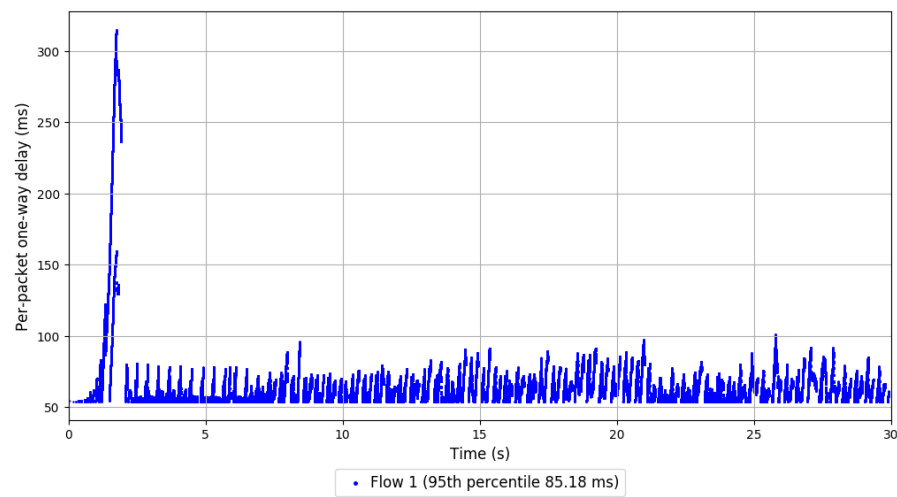
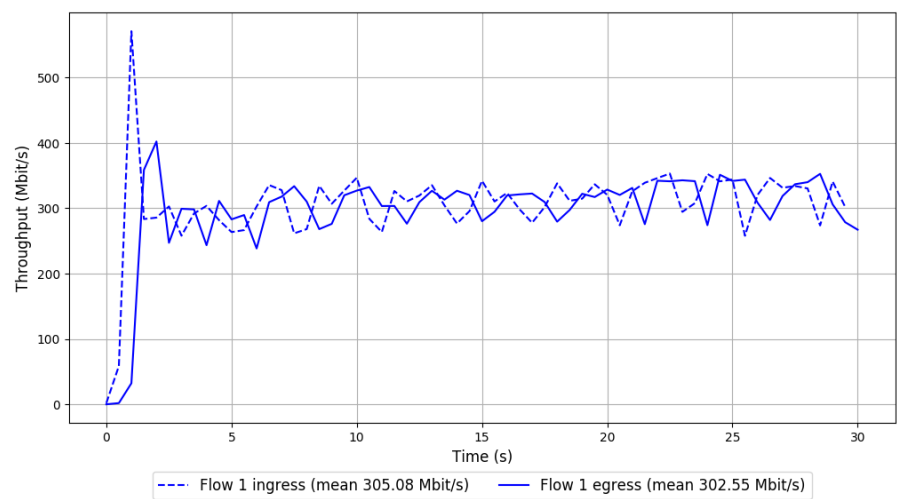


Run 2: Statistics of Verus

Start at: 2018-07-01 23:32:21
End at: 2018-07-01 23:32:51
Local clock offset: -0.003 ms
Remote clock offset: -0.386 ms

Below is generated by plot.py at 2018-07-02 03:53:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 302.55 Mbit/s
95th percentile per-packet one-way delay: 85.178 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 302.55 Mbit/s
95th percentile per-packet one-way delay: 85.178 ms
Loss rate: 1.19%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-01 23:53:58

End at: 2018-07-01 23:54:28

Local clock offset: 0.226 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-07-02 03:53:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 233.97 Mbit/s

95th percentile per-packet one-way delay: 93.900 ms

Loss rate: 2.06%

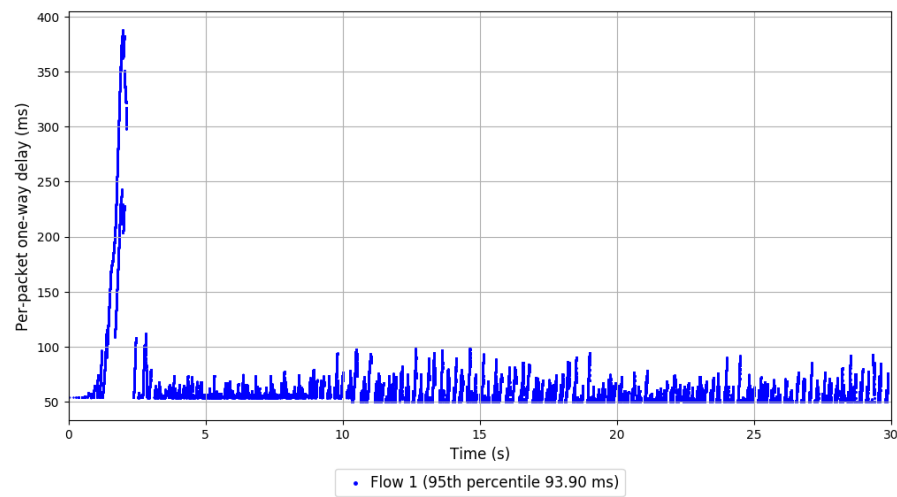
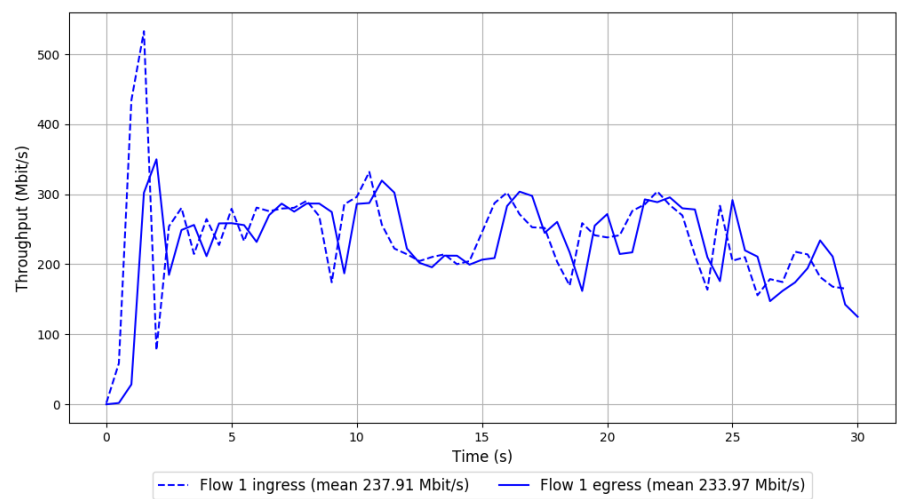
-- Flow 1:

Average throughput: 233.97 Mbit/s

95th percentile per-packet one-way delay: 93.900 ms

Loss rate: 2.06%

Run 3: Report of Verus — Data Link

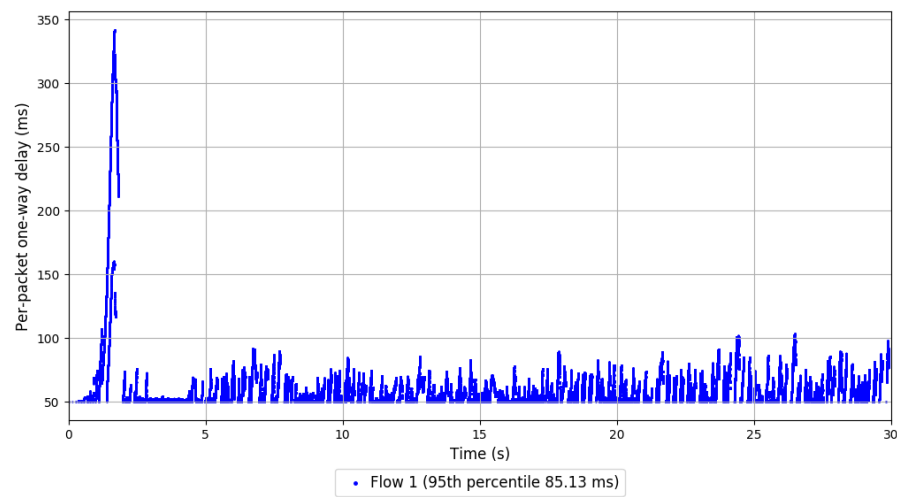
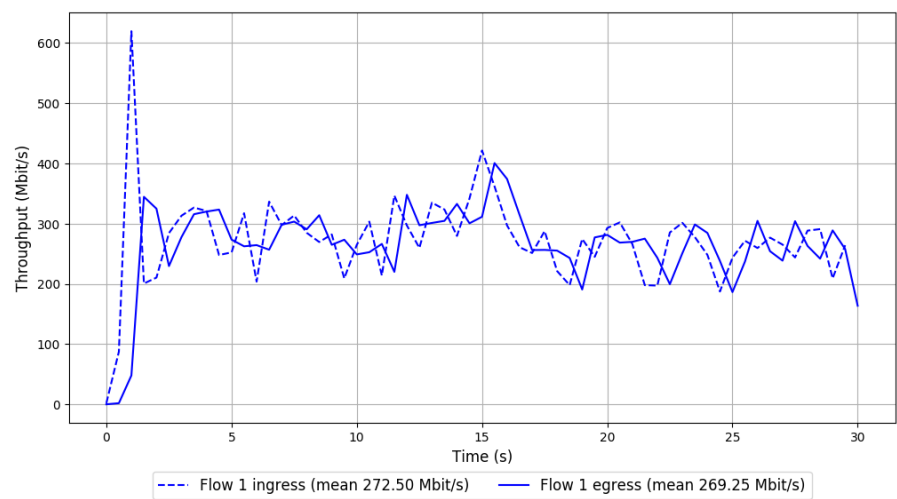


Run 4: Statistics of Verus

Start at: 2018-07-02 00:15:26
End at: 2018-07-02 00:15:56
Local clock offset: -0.123 ms
Remote clock offset: -0.178 ms

Below is generated by plot.py at 2018-07-02 03:53:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 269.25 Mbit/s
95th percentile per-packet one-way delay: 85.129 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 269.25 Mbit/s
95th percentile per-packet one-way delay: 85.129 ms
Loss rate: 1.50%

Run 4: Report of Verus — Data Link

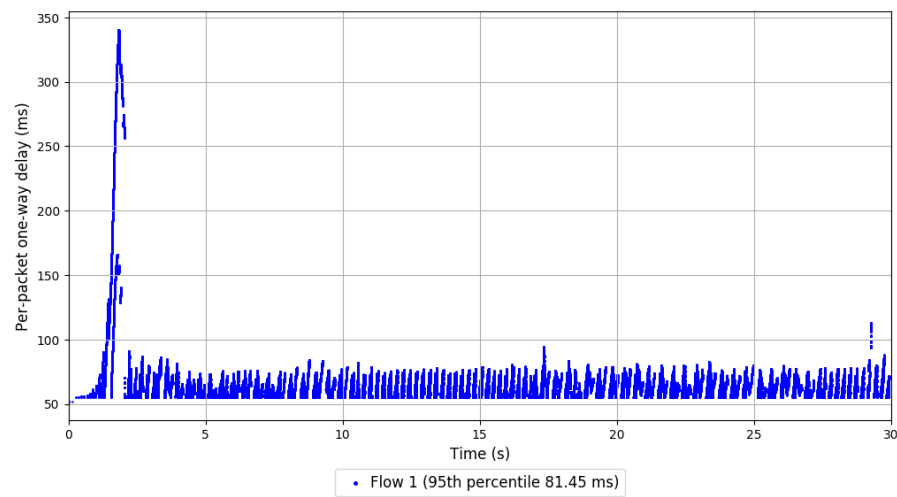
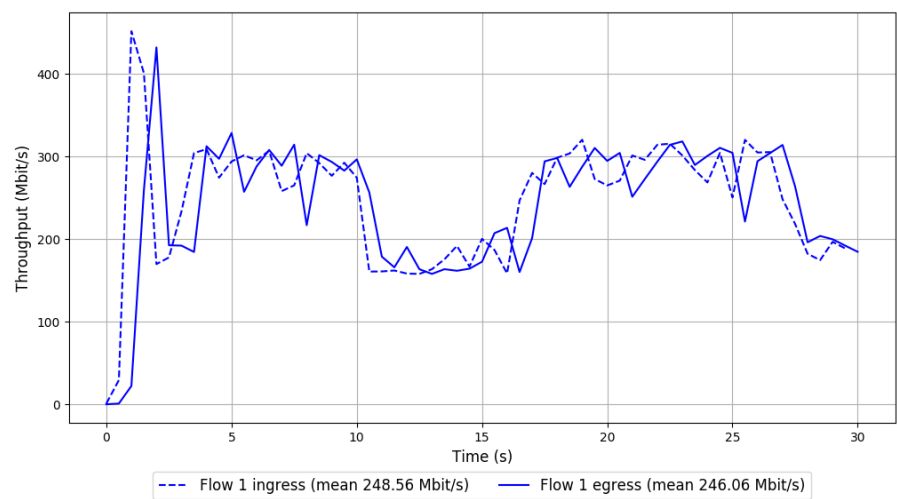


Run 5: Statistics of Verus

Start at: 2018-07-02 00:36:28
End at: 2018-07-02 00:36:58
Local clock offset: 0.223 ms
Remote clock offset: -1.494 ms

Below is generated by plot.py at 2018-07-02 03:53:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 246.06 Mbit/s
95th percentile per-packet one-way delay: 81.448 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 246.06 Mbit/s
95th percentile per-packet one-way delay: 81.448 ms
Loss rate: 0.97%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-02 00:57:39

End at: 2018-07-02 00:58:09

Local clock offset: -0.13 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-07-02 03:54:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 290.83 Mbit/s

95th percentile per-packet one-way delay: 78.819 ms

Loss rate: 1.50%

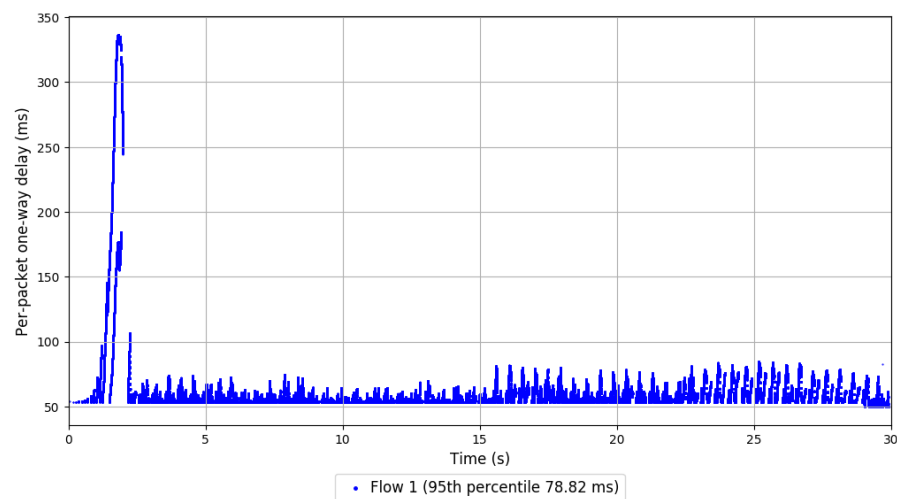
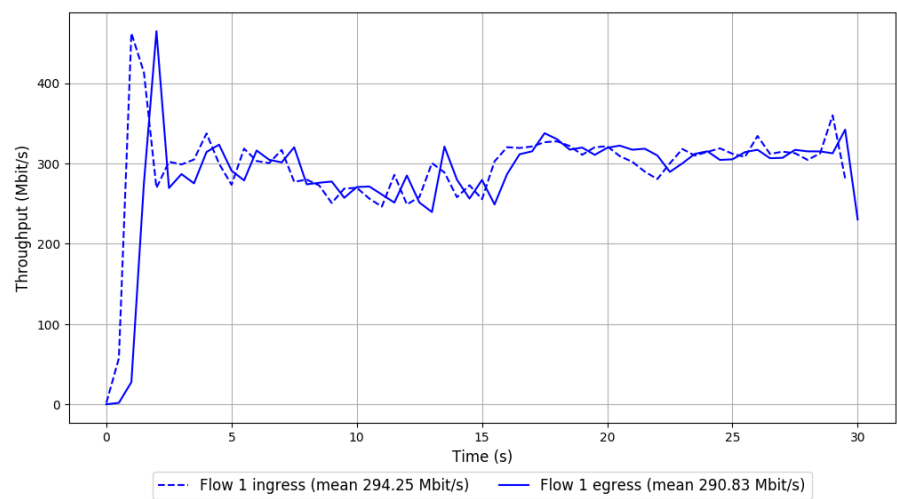
-- Flow 1:

Average throughput: 290.83 Mbit/s

95th percentile per-packet one-way delay: 78.819 ms

Loss rate: 1.50%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-07-02 01:19:03

End at: 2018-07-02 01:19:33

Local clock offset: 0.161 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-07-02 03:54:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.08 Mbit/s

95th percentile per-packet one-way delay: 96.025 ms

Loss rate: 1.60%

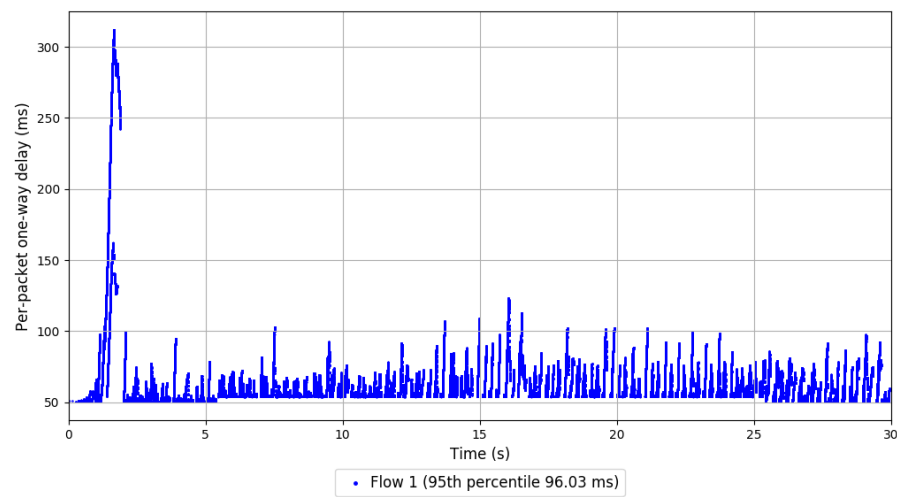
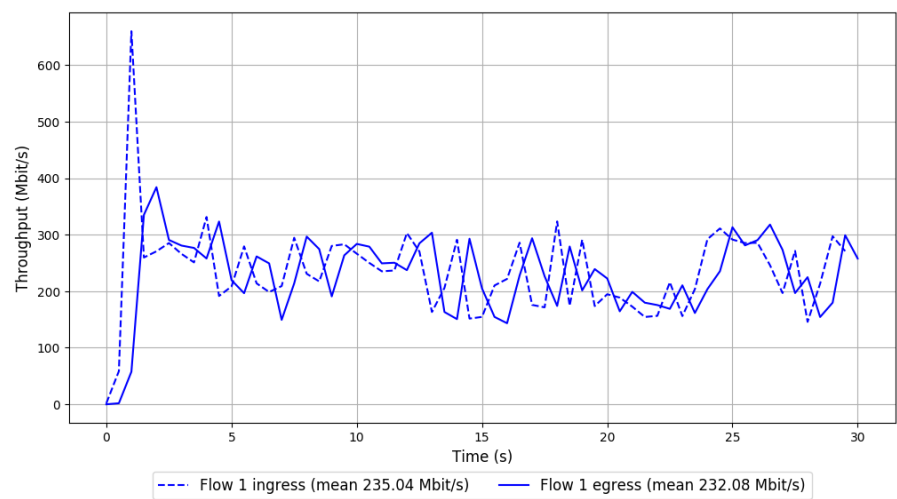
-- Flow 1:

Average throughput: 232.08 Mbit/s

95th percentile per-packet one-way delay: 96.025 ms

Loss rate: 1.60%

Run 7: Report of Verus — Data Link

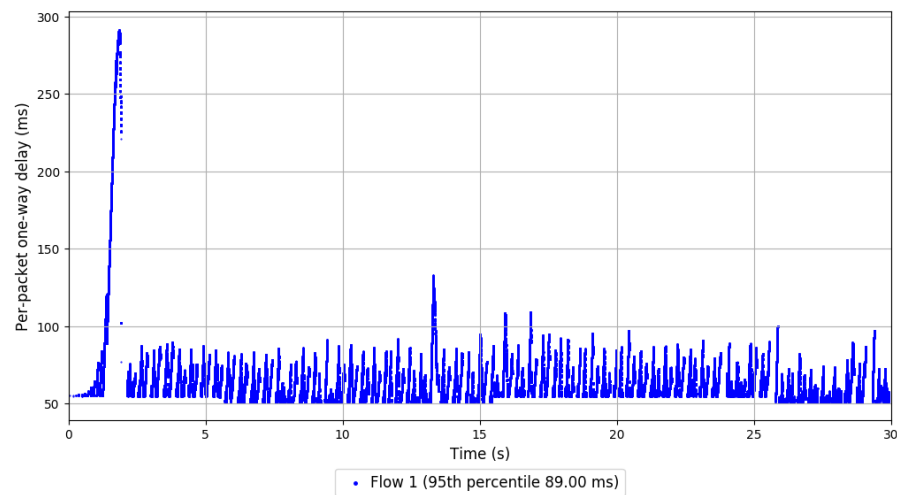
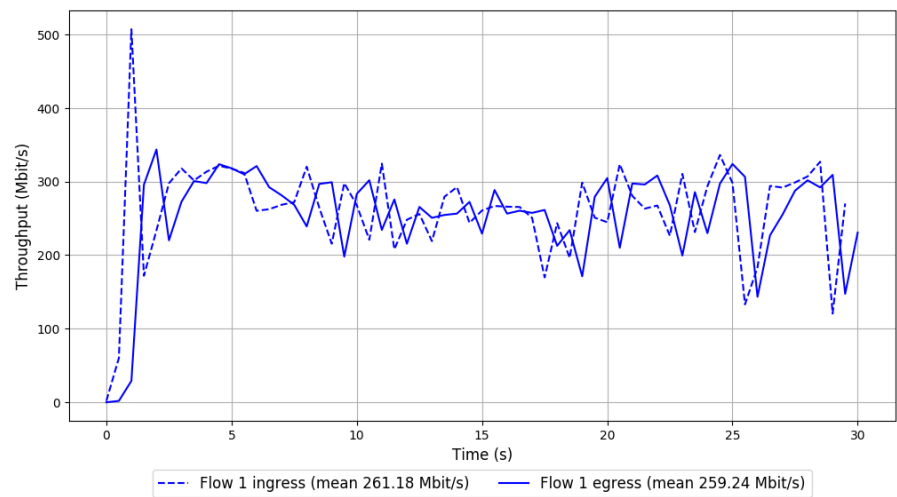


Run 8: Statistics of Verus

Start at: 2018-07-02 01:40:03
End at: 2018-07-02 01:40:33
Local clock offset: -0.033 ms
Remote clock offset: -1.207 ms

Below is generated by plot.py at 2018-07-02 03:54:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 259.24 Mbit/s
95th percentile per-packet one-way delay: 88.996 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 259.24 Mbit/s
95th percentile per-packet one-way delay: 88.996 ms
Loss rate: 1.00%

Run 8: Report of Verus — Data Link

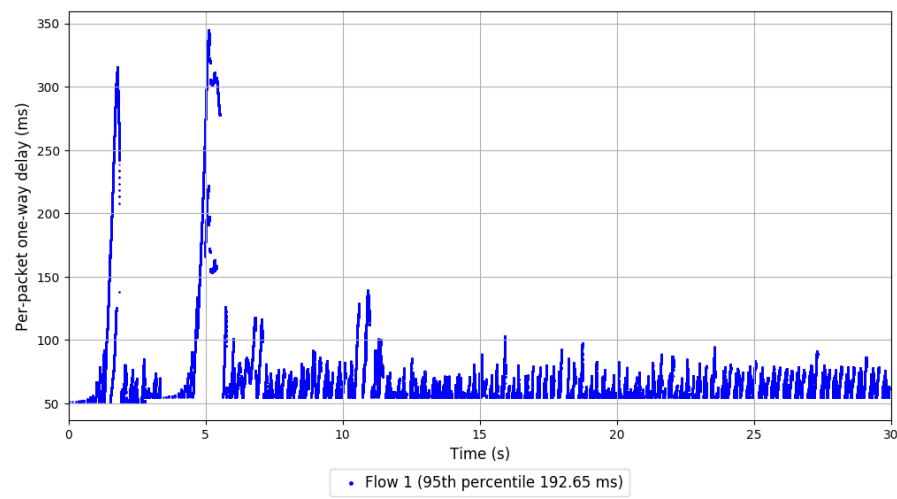
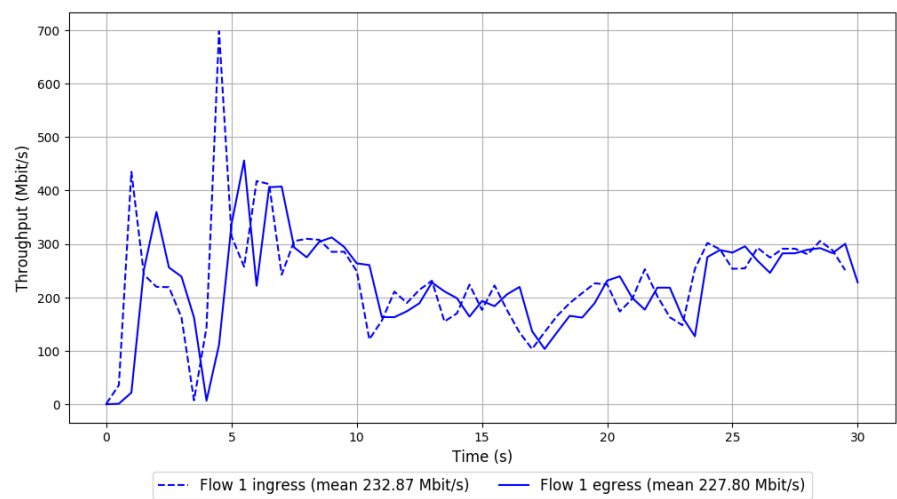


Run 9: Statistics of Verus

Start at: 2018-07-02 02:01:25
End at: 2018-07-02 02:01:55
Local clock offset: -0.154 ms
Remote clock offset: -1.233 ms

Below is generated by plot.py at 2018-07-02 03:55:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 227.80 Mbit/s
95th percentile per-packet one-way delay: 192.652 ms
Loss rate: 2.38%
-- Flow 1:
Average throughput: 227.80 Mbit/s
95th percentile per-packet one-way delay: 192.652 ms
Loss rate: 2.38%

Run 9: Report of Verus — Data Link

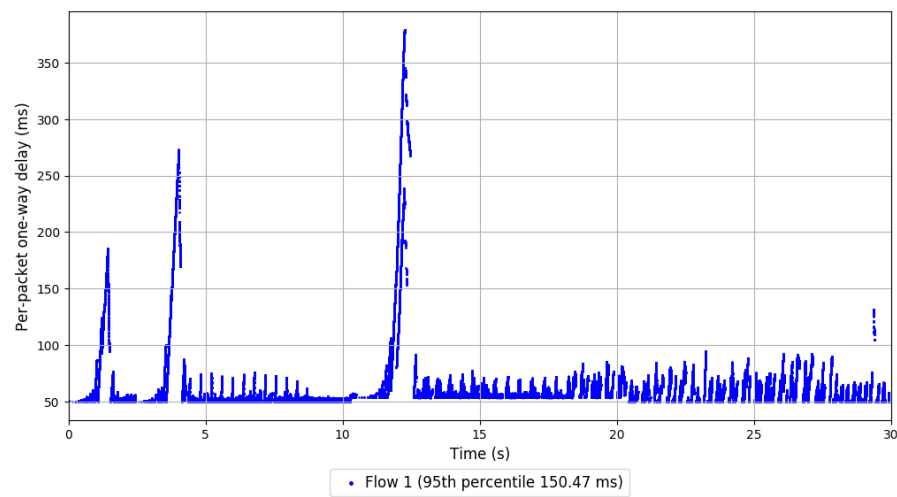
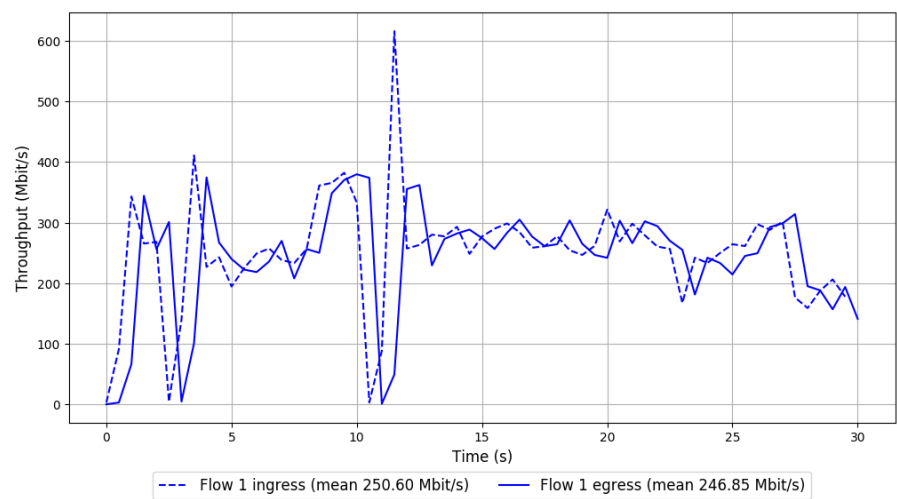


Run 10: Statistics of Verus

Start at: 2018-07-02 02:22:28
End at: 2018-07-02 02:22:58
Local clock offset: -0.174 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-02 03:55:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 246.85 Mbit/s
95th percentile per-packet one-way delay: 150.473 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 246.85 Mbit/s
95th percentile per-packet one-way delay: 150.473 ms
Loss rate: 1.84%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-01 23:20:27

End at: 2018-07-01 23:20:57

Local clock offset: 0.273 ms

Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-07-02 03:57:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 326.28 Mbit/s

95th percentile per-packet one-way delay: 92.843 ms

Loss rate: 0.43%

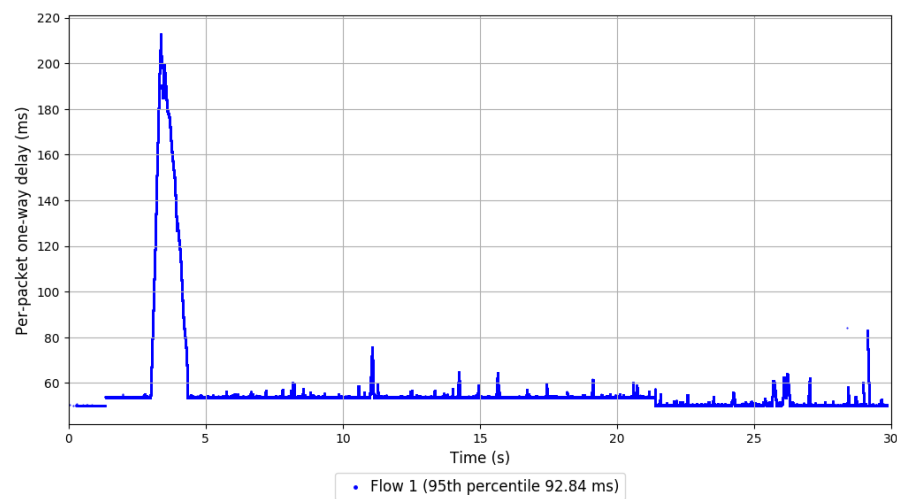
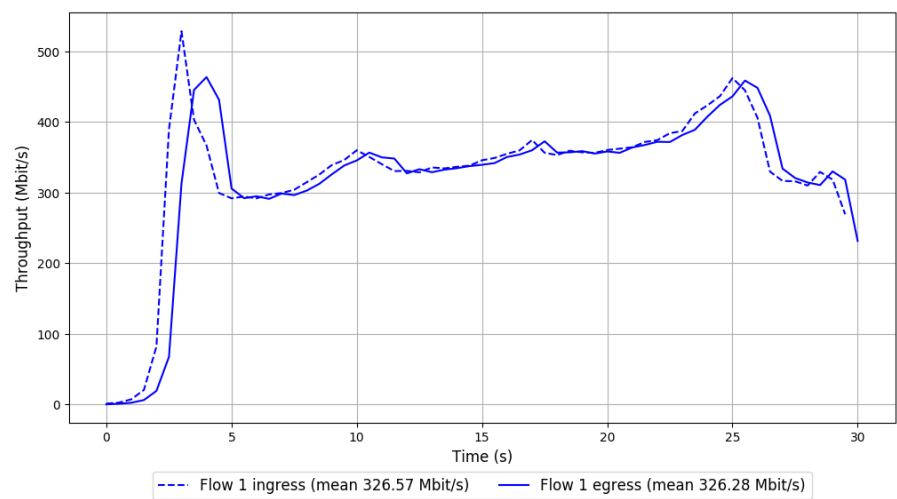
-- Flow 1:

Average throughput: 326.28 Mbit/s

95th percentile per-packet one-way delay: 92.843 ms

Loss rate: 0.43%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-01 23:41:53

End at: 2018-07-01 23:42:23

Local clock offset: 0.198 ms

Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-02 03:58:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 318.43 Mbit/s

95th percentile per-packet one-way delay: 182.607 ms

Loss rate: 0.53%

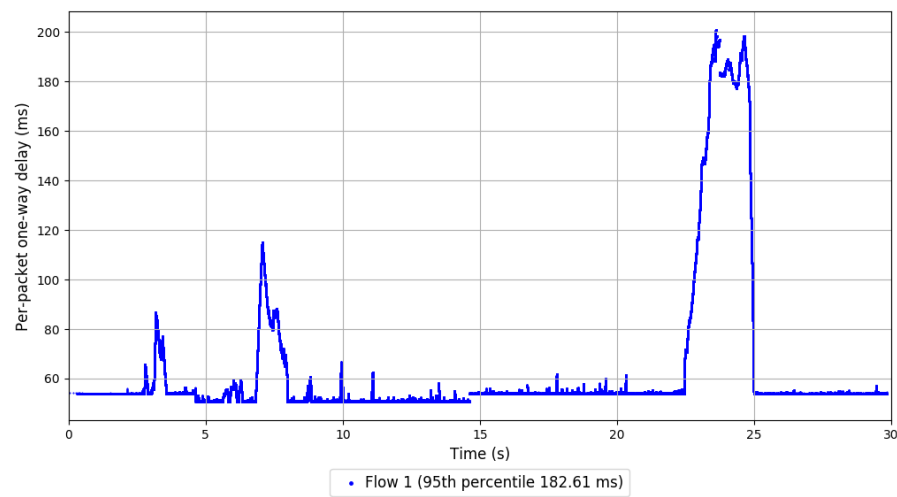
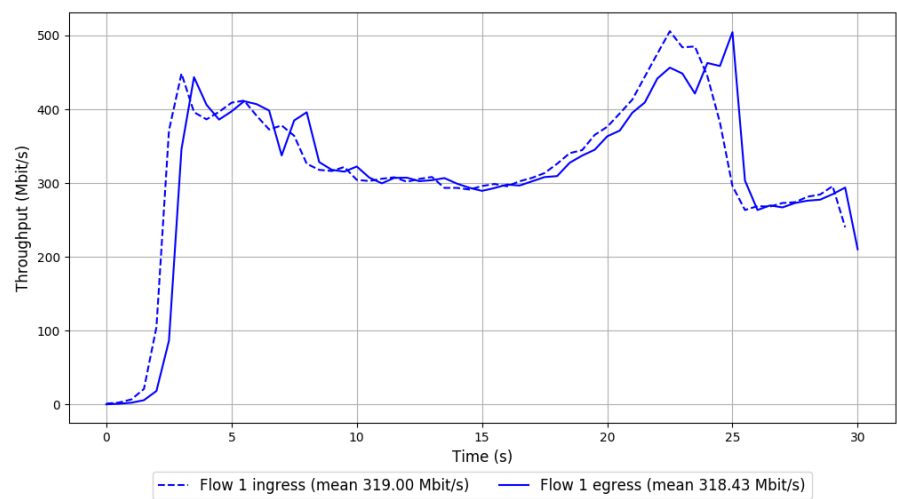
-- Flow 1:

Average throughput: 318.43 Mbit/s

95th percentile per-packet one-way delay: 182.607 ms

Loss rate: 0.53%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-02 00:03:20

End at: 2018-07-02 00:03:50

Local clock offset: -0.03 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-07-02 03:58:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 304.26 Mbit/s

95th percentile per-packet one-way delay: 73.148 ms

Loss rate: 0.60%

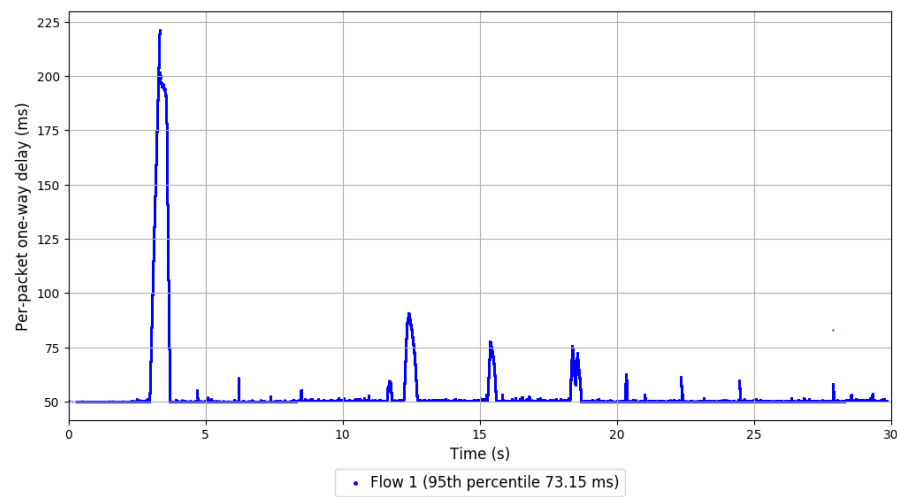
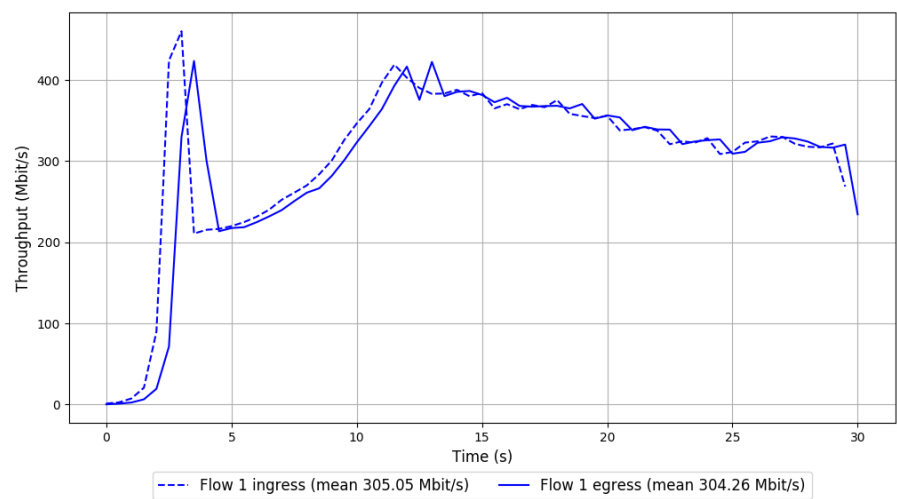
-- Flow 1:

Average throughput: 304.26 Mbit/s

95th percentile per-packet one-way delay: 73.148 ms

Loss rate: 0.60%

Run 3: Report of PCC-Vivace — Data Link

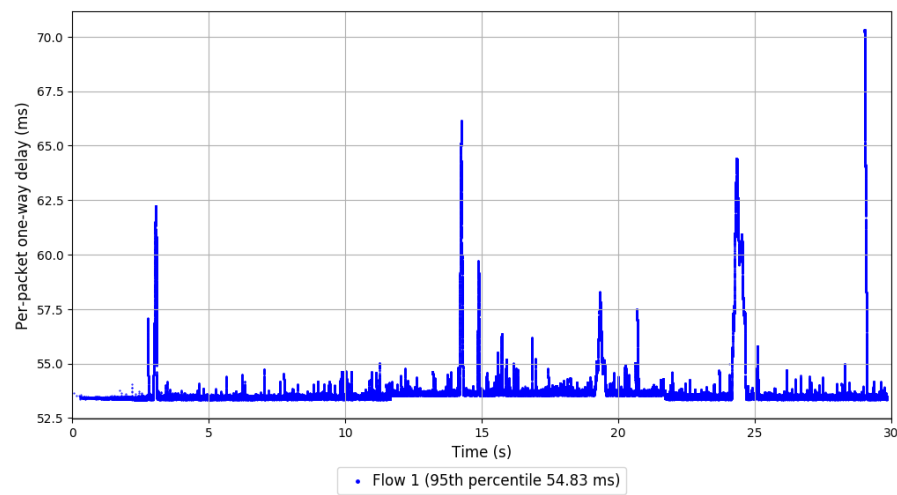
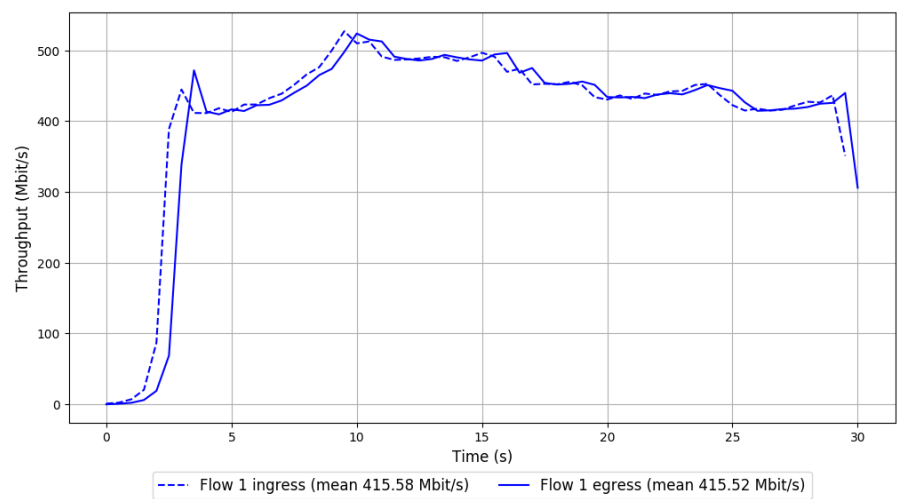


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-02 00:24:46
End at: 2018-07-02 00:25:16
Local clock offset: -0.039 ms
Remote clock offset: -0.205 ms

Below is generated by plot.py at 2018-07-02 04:00:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 415.52 Mbit/s
95th percentile per-packet one-way delay: 54.829 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 415.52 Mbit/s
95th percentile per-packet one-way delay: 54.829 ms
Loss rate: 0.36%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-02 00:45:55

End at: 2018-07-02 00:46:25

Local clock offset: -0.203 ms

Remote clock offset: 0.106 ms

Below is generated by plot.py at 2018-07-02 04:00:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 360.25 Mbit/s

95th percentile per-packet one-way delay: 80.485 ms

Loss rate: 0.49%

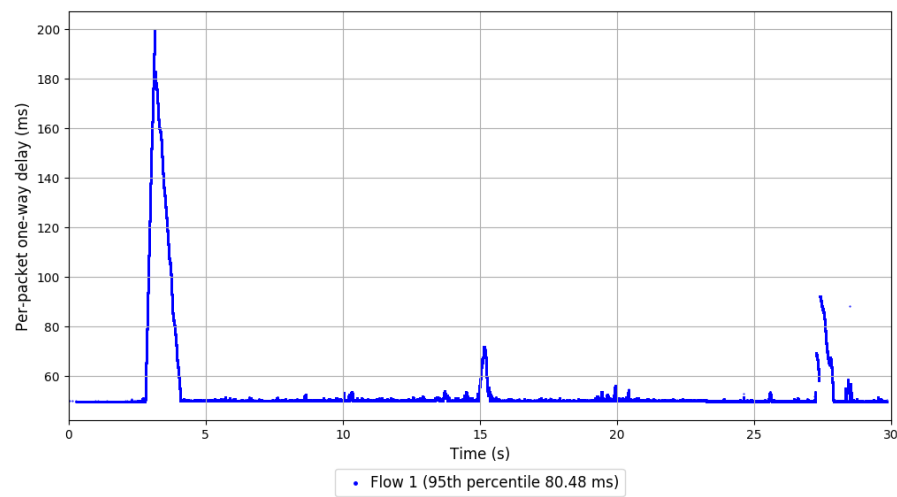
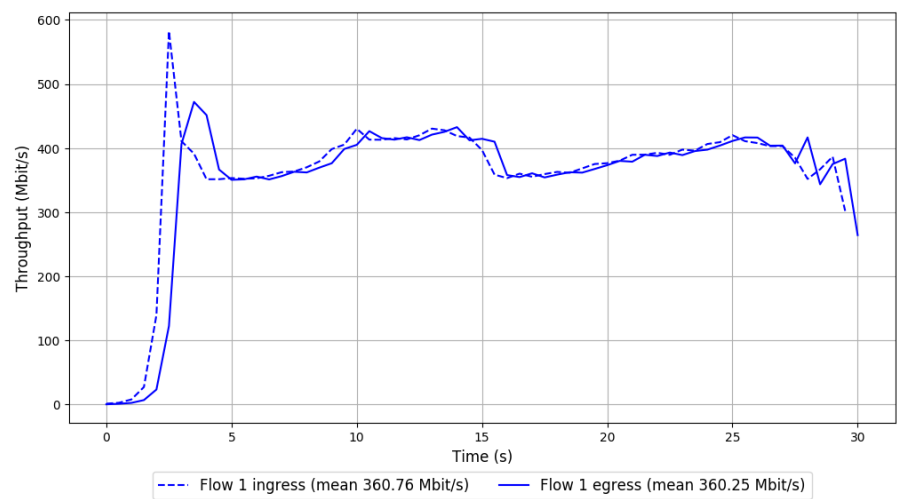
-- Flow 1:

Average throughput: 360.25 Mbit/s

95th percentile per-packet one-way delay: 80.485 ms

Loss rate: 0.49%

Run 5: Report of PCC-Vivace — Data Link

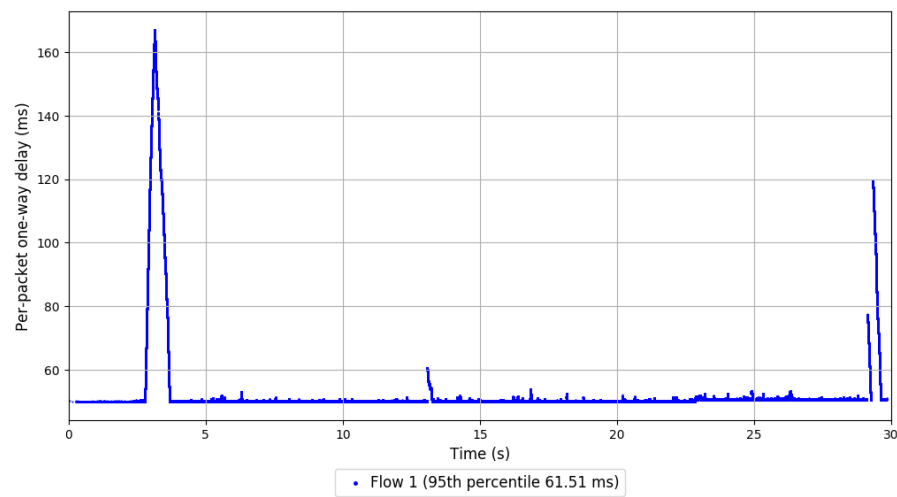
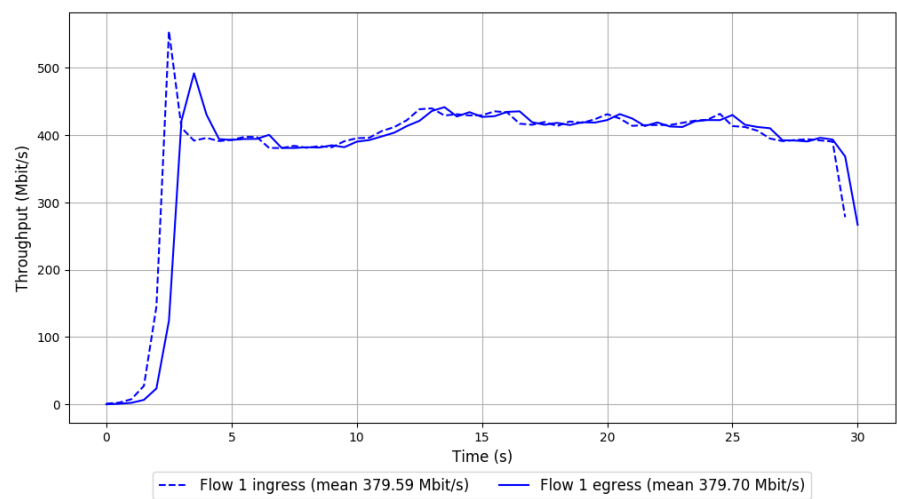


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-02 01:07:05
End at: 2018-07-02 01:07:35
Local clock offset: -0.137 ms
Remote clock offset: -0.464 ms

Below is generated by plot.py at 2018-07-02 04:00:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 379.70 Mbit/s
95th percentile per-packet one-way delay: 61.508 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 379.70 Mbit/s
95th percentile per-packet one-way delay: 61.508 ms
Loss rate: 0.32%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-02 01:28:23

End at: 2018-07-02 01:28:53

Local clock offset: 0.126 ms

Remote clock offset: -1.284 ms

Below is generated by plot.py at 2018-07-02 04:01:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 365.15 Mbit/s

95th percentile per-packet one-way delay: 60.571 ms

Loss rate: 0.34%

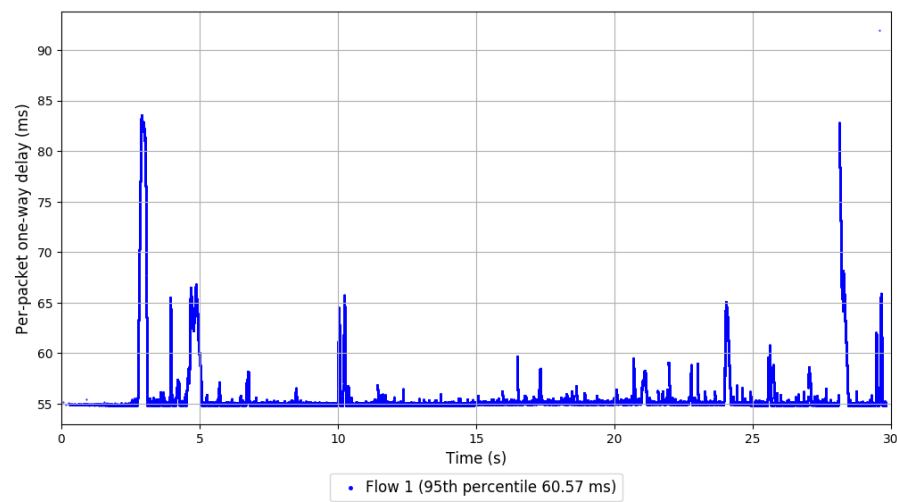
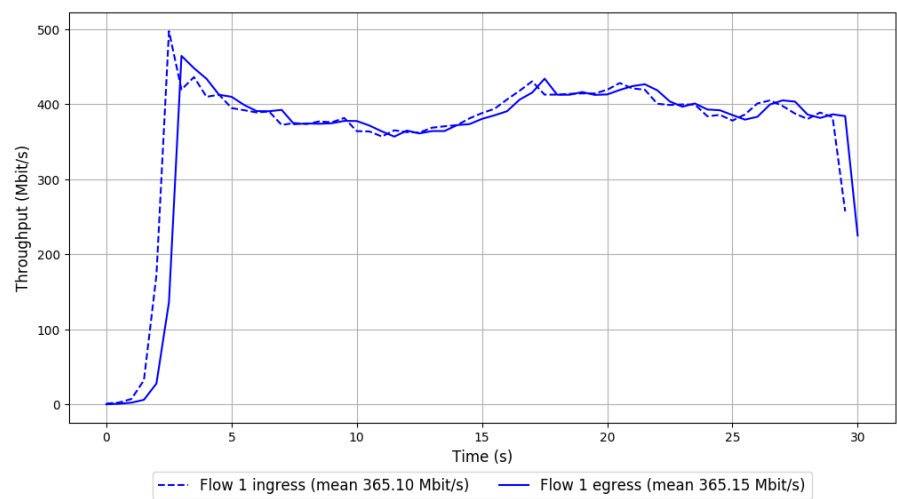
-- Flow 1:

Average throughput: 365.15 Mbit/s

95th percentile per-packet one-way delay: 60.571 ms

Loss rate: 0.34%

Run 7: Report of PCC-Vivace — Data Link

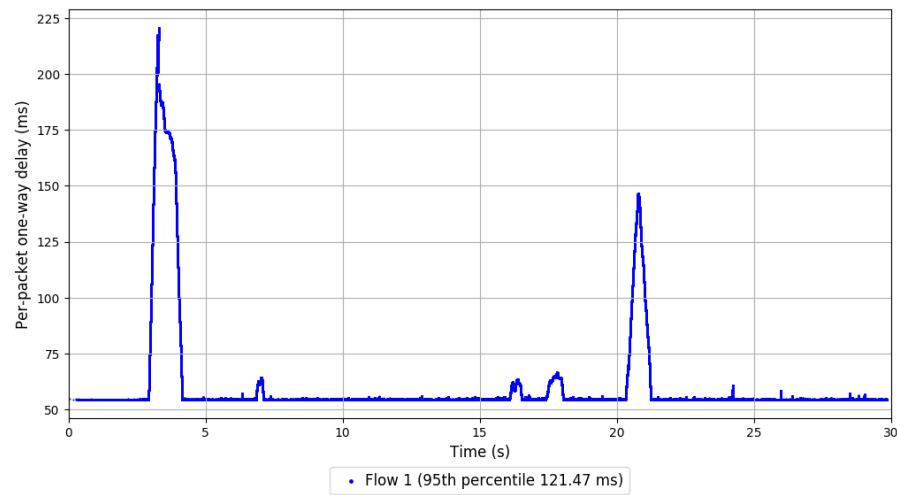
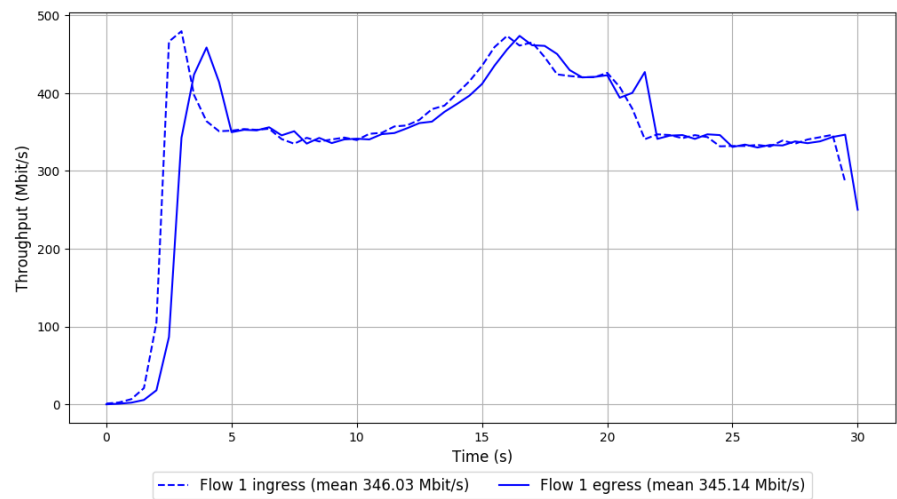


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-02 01:49:21
End at: 2018-07-02 01:49:51
Local clock offset: -0.131 ms
Remote clock offset: -1.016 ms

Below is generated by plot.py at 2018-07-02 04:01:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 345.14 Mbit/s
95th percentile per-packet one-way delay: 121.472 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 345.14 Mbit/s
95th percentile per-packet one-way delay: 121.472 ms
Loss rate: 0.61%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-02 02:10:44

End at: 2018-07-02 02:11:14

Local clock offset: 0.09 ms

Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-07-02 04:01:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 330.80 Mbit/s

95th percentile per-packet one-way delay: 53.577 ms

Loss rate: 0.42%

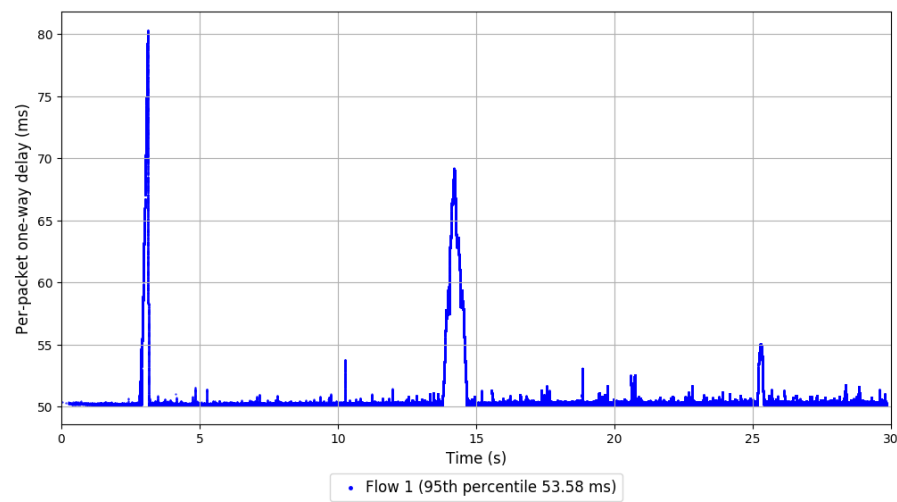
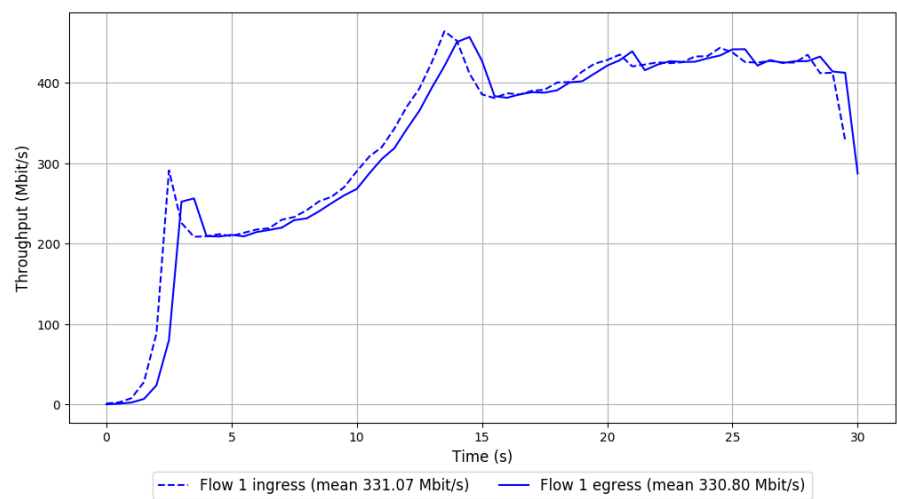
-- Flow 1:

Average throughput: 330.80 Mbit/s

95th percentile per-packet one-way delay: 53.577 ms

Loss rate: 0.42%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-02 02:31:52

End at: 2018-07-02 02:32:22

Local clock offset: -0.157 ms

Remote clock offset: -0.292 ms

Below is generated by plot.py at 2018-07-02 04:01:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 374.20 Mbit/s

95th percentile per-packet one-way delay: 62.178 ms

Loss rate: 0.41%

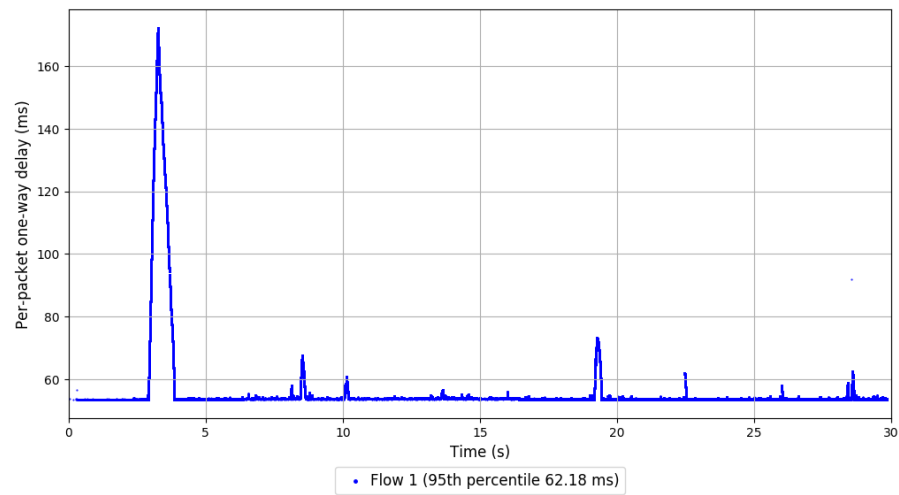
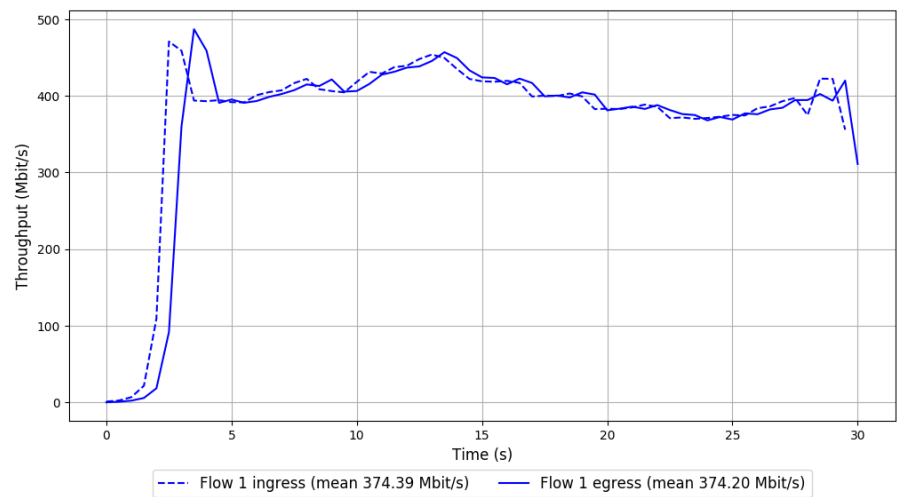
-- Flow 1:

Average throughput: 374.20 Mbit/s

95th percentile per-packet one-way delay: 62.178 ms

Loss rate: 0.41%

Run 10: Report of PCC-Vivace — Data Link

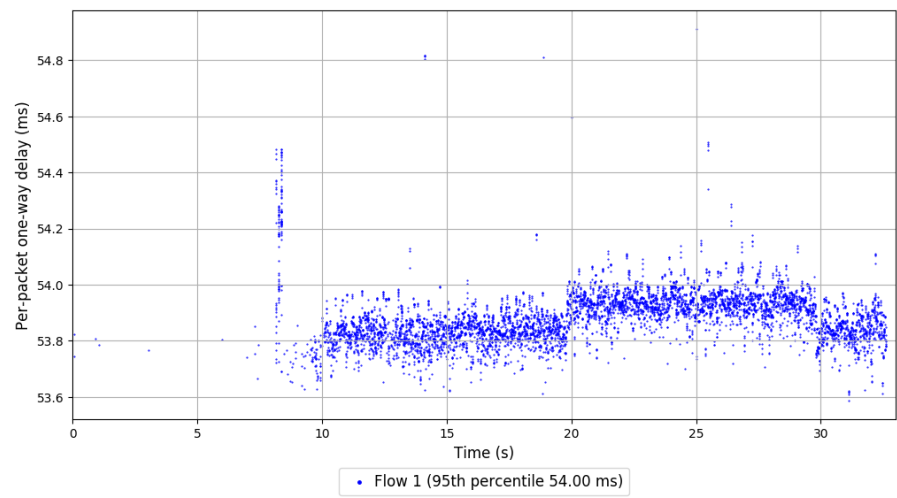
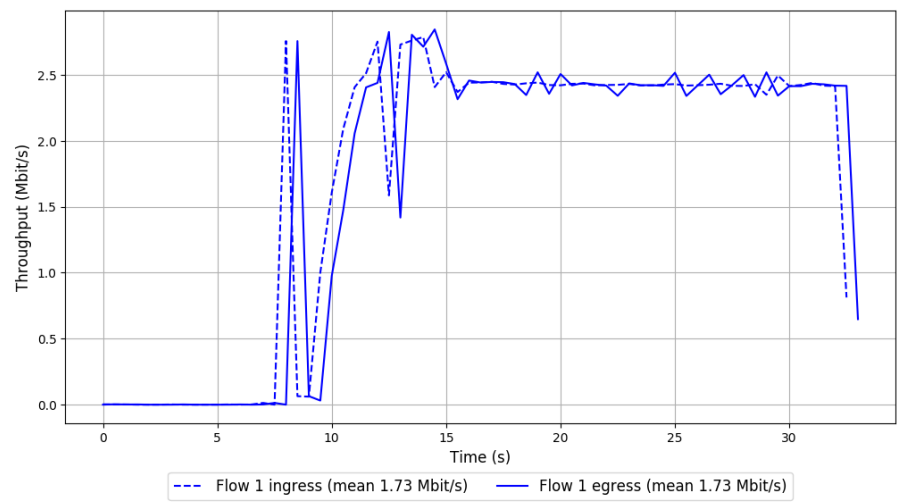


```
Run 1: Statistics of WebRTC media

Start at: 2018-07-01 23:19:21
End at: 2018-07-01 23:19:51
Local clock offset: 0.137 ms
Remote clock offset: -0.187 ms

# Below is generated by plot.py at 2018-07-02 04:01:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.73 Mbit/s
95th percentile per-packet one-way delay: 54.004 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 1.73 Mbit/s
95th percentile per-packet one-way delay: 54.004 ms
Loss rate: 0.43%
```

Run 1: Report of WebRTC media — Data Link

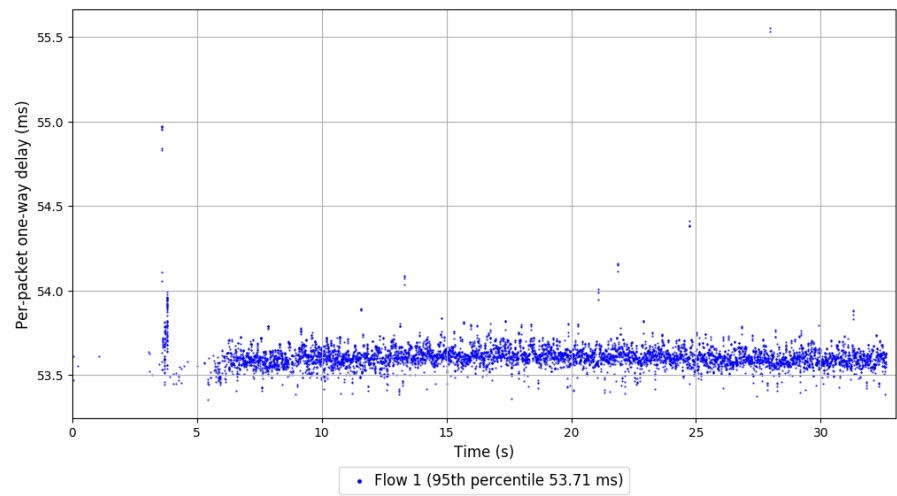
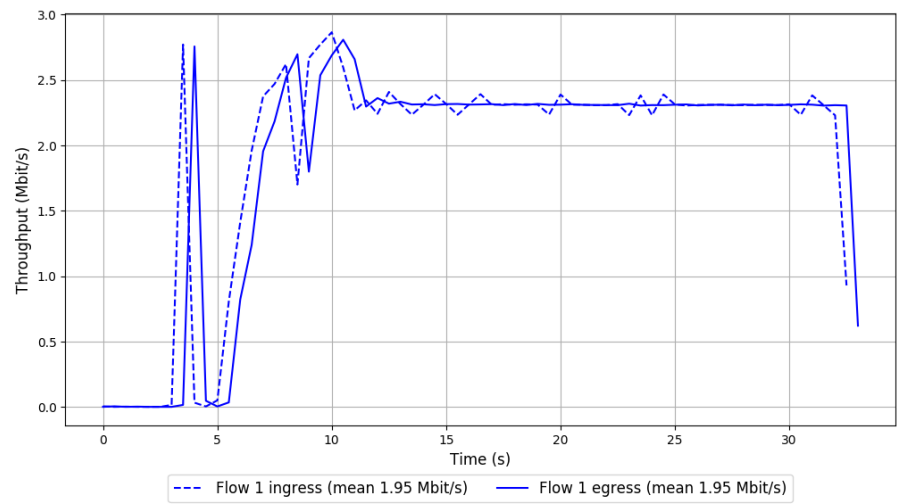


Run 2: Statistics of WebRTC media

Start at: 2018-07-01 23:40:48
End at: 2018-07-01 23:41:18
Local clock offset: -0.105 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-02 04:01:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 53.707 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 53.707 ms
Loss rate: 0.42%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-02 00:02:14

End at: 2018-07-02 00:02:44

Local clock offset: 0.159 ms

Remote clock offset: 1.064 ms

Below is generated by plot.py at 2018-07-02 04:01:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 52.787 ms

Loss rate: 0.37%

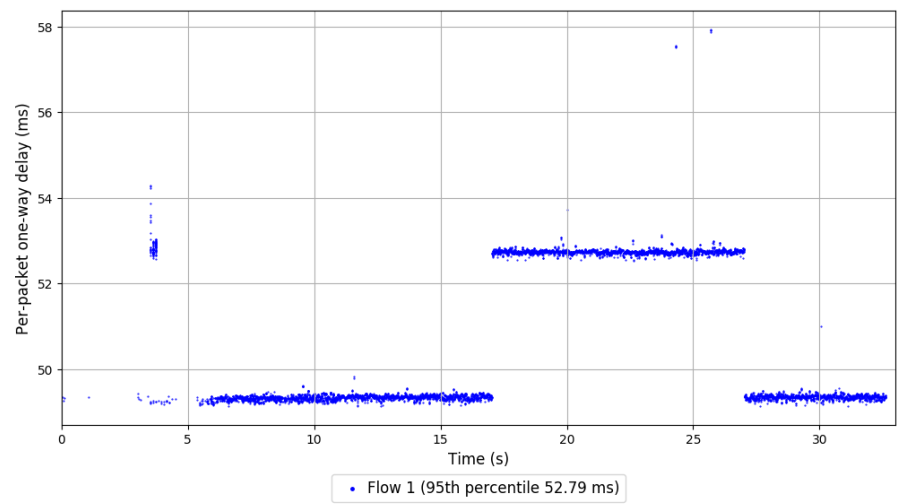
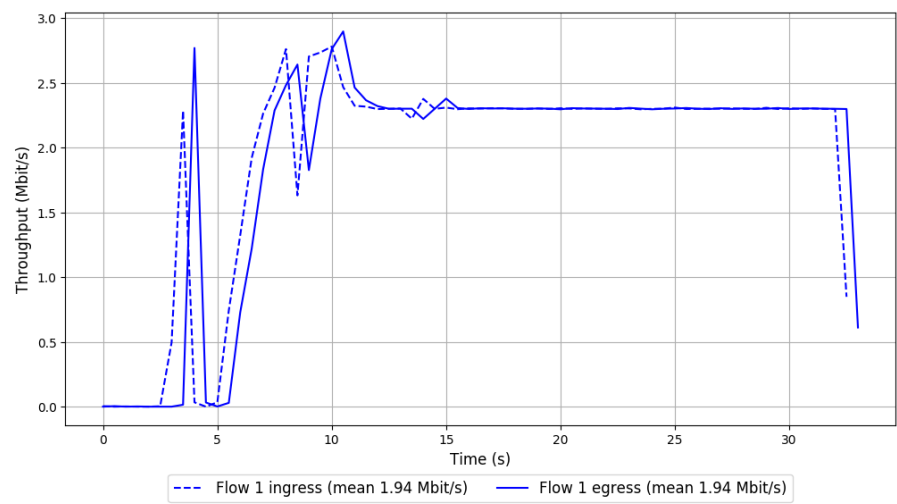
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 52.787 ms

Loss rate: 0.37%

Run 3: Report of WebRTC media — Data Link

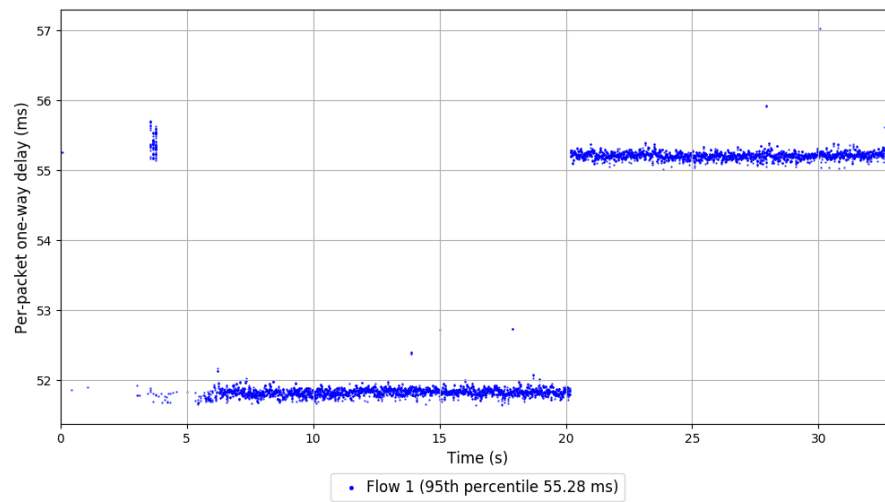
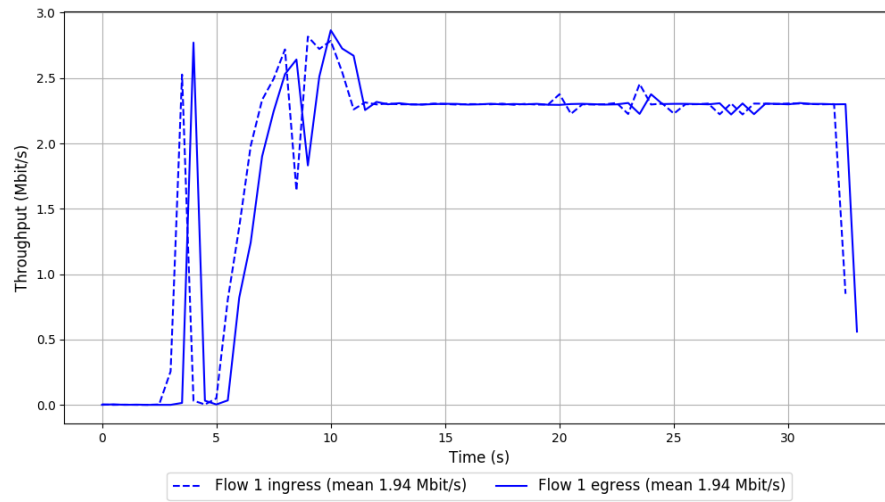


Run 4: Statistics of WebRTC media

Start at: 2018-07-02 00:23:41
End at: 2018-07-02 00:24:11
Local clock offset: 0.267 ms
Remote clock offset: -1.448 ms

Below is generated by plot.py at 2018-07-02 04:01:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 55.277 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 55.277 ms
Loss rate: 0.41%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-02 00:44:49

End at: 2018-07-02 00:45:19

Local clock offset: 0.069 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-07-02 04:01:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 53.752 ms

Loss rate: 0.55%

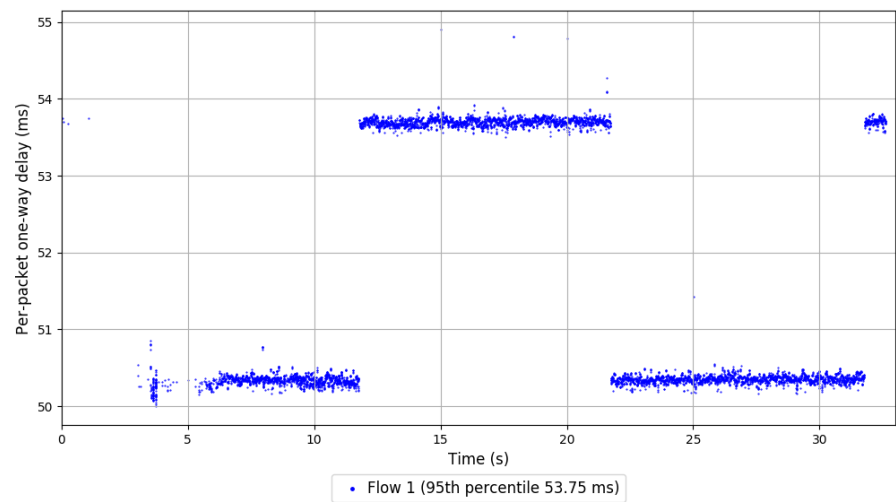
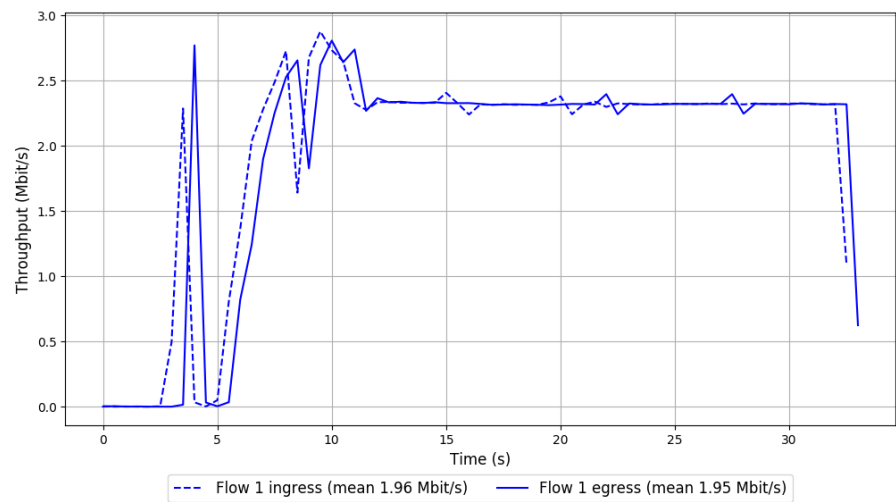
-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 53.752 ms

Loss rate: 0.55%

Run 5: Report of WebRTC media — Data Link

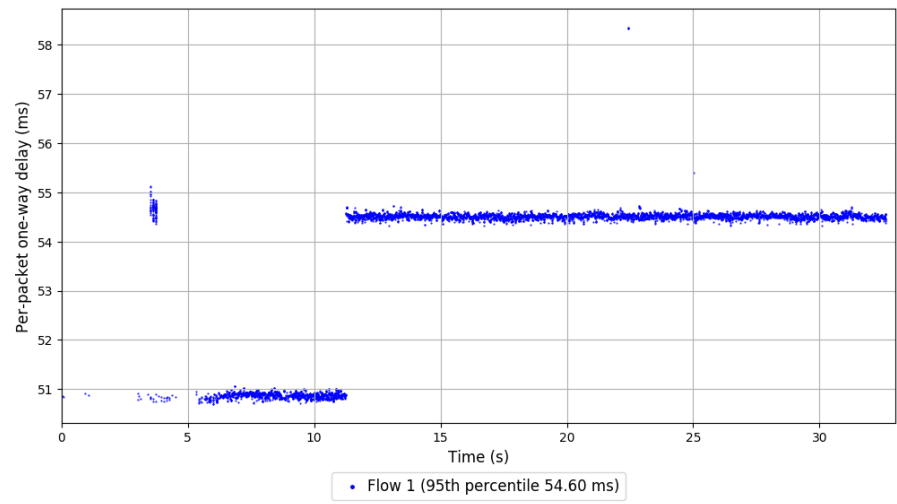
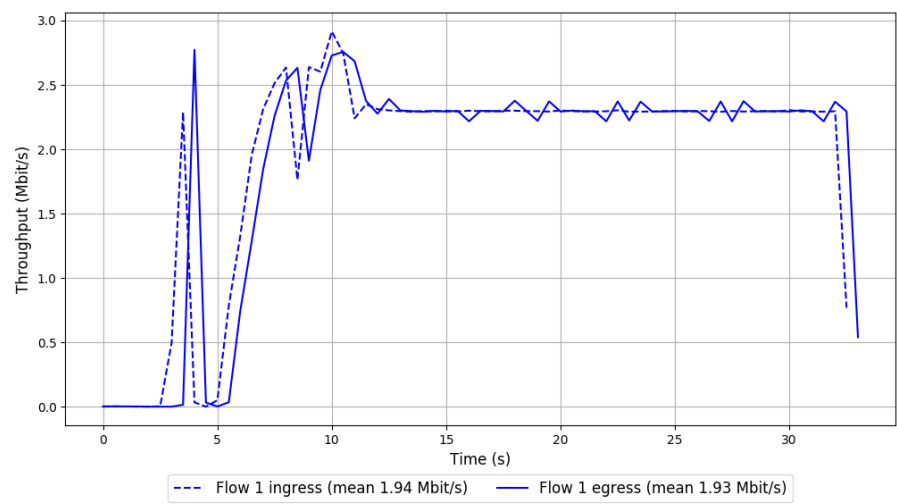


Run 6: Statistics of WebRTC media

Start at: 2018-07-02 01:06:00
End at: 2018-07-02 01:06:30
Local clock offset: -0.166 ms
Remote clock offset: -1.099 ms

Below is generated by plot.py at 2018-07-02 04:01:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 54.596 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 54.596 ms
Loss rate: 0.36%

Run 6: Report of WebRTC media — Data Link

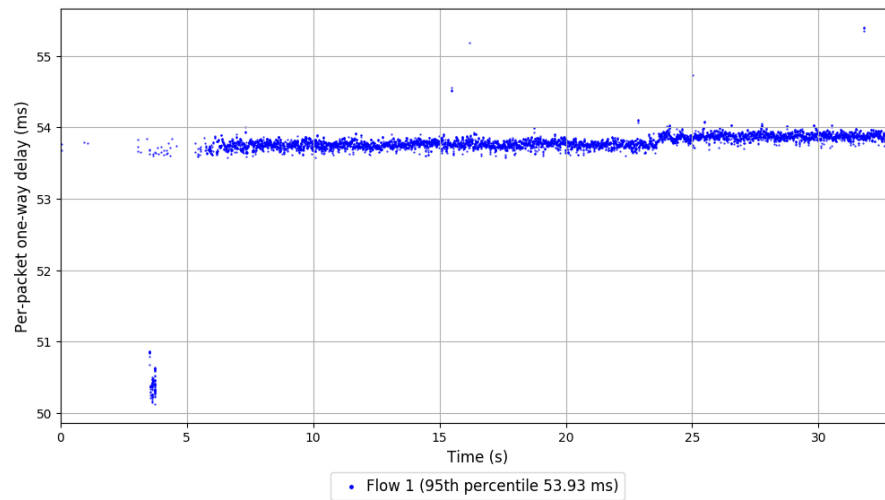
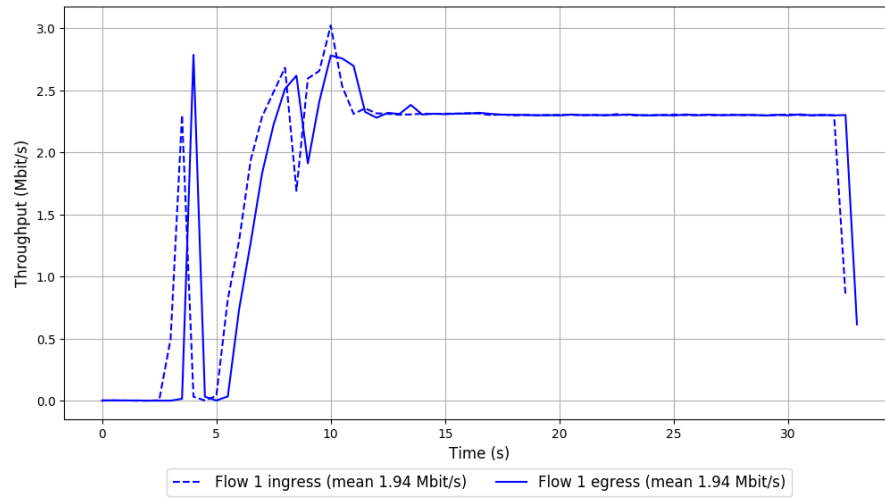


Run 7: Statistics of WebRTC media

Start at: 2018-07-02 01:27:17
End at: 2018-07-02 01:27:47
Local clock offset: -0.101 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-07-02 04:01:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 53.926 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 53.926 ms
Loss rate: 0.36%

Run 7: Report of WebRTC media — Data Link

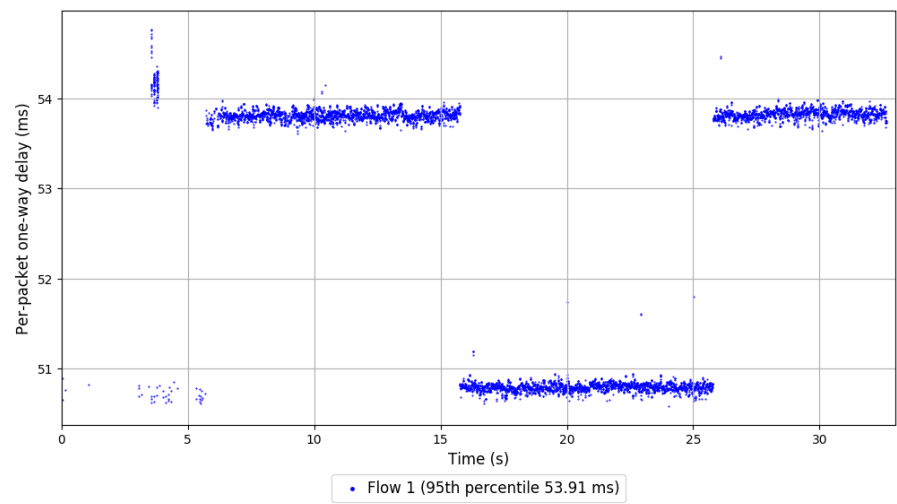
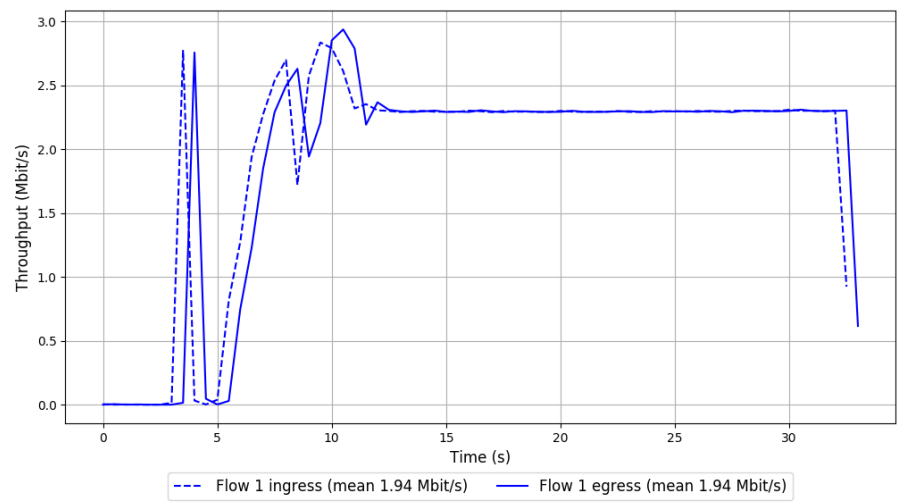


Run 8: Statistics of WebRTC media

Start at: 2018-07-02 01:48:15
End at: 2018-07-02 01:48:45
Local clock offset: 0.108 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-02 04:01:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 53.906 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 53.906 ms
Loss rate: 0.42%

Run 8: Report of WebRTC media — Data Link

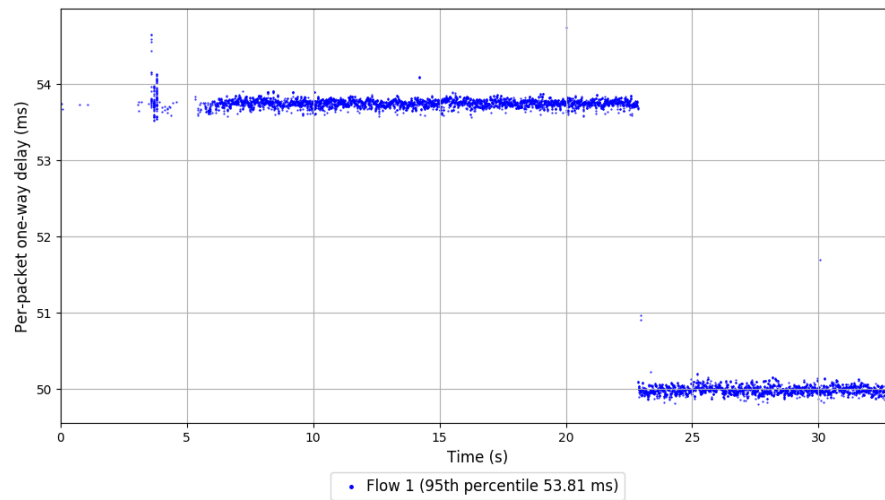
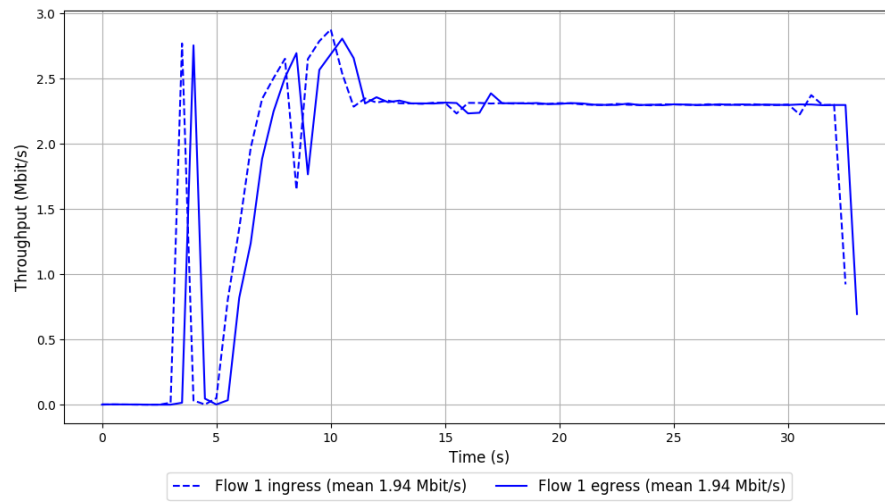


Run 9: Statistics of WebRTC media

Start at: 2018-07-02 02:09:38
End at: 2018-07-02 02:10:08
Local clock offset: -0.287 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-07-02 04:01:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 53.811 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 53.811 ms
Loss rate: 0.36%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-02 02:30:46

End at: 2018-07-02 02:31:16

Local clock offset: -0.226 ms

Remote clock offset: 0.97 ms

Below is generated by plot.py at 2018-07-02 04:01:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 52.374 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 52.374 ms

Loss rate: 0.36%

Run 10: Report of WebRTC media — Data Link

