

Pantheon Report

Generated at 2018-06-05 08:05:19 (UTC).

Data path: AWS Korea Ethernet (*local*) → China Ethernet (*remote*).

Repeated the test of 16 congestion control schemes 10 times.

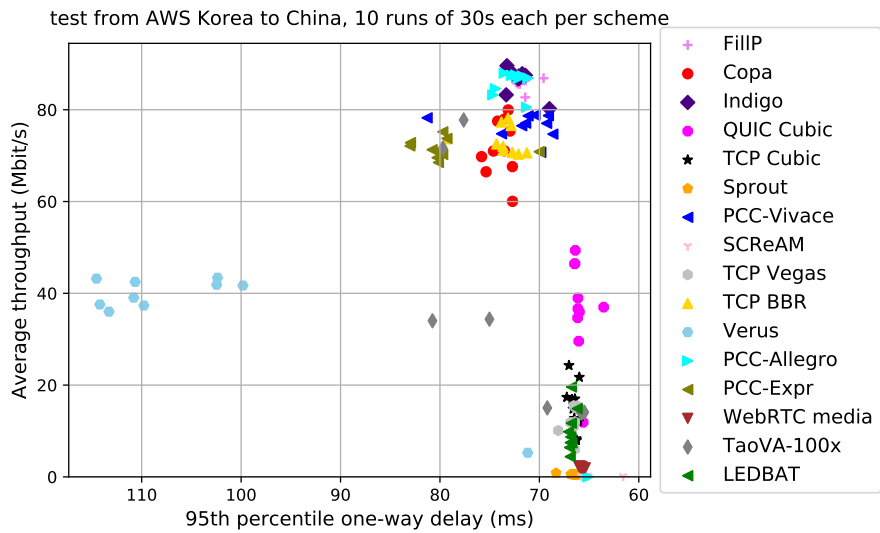
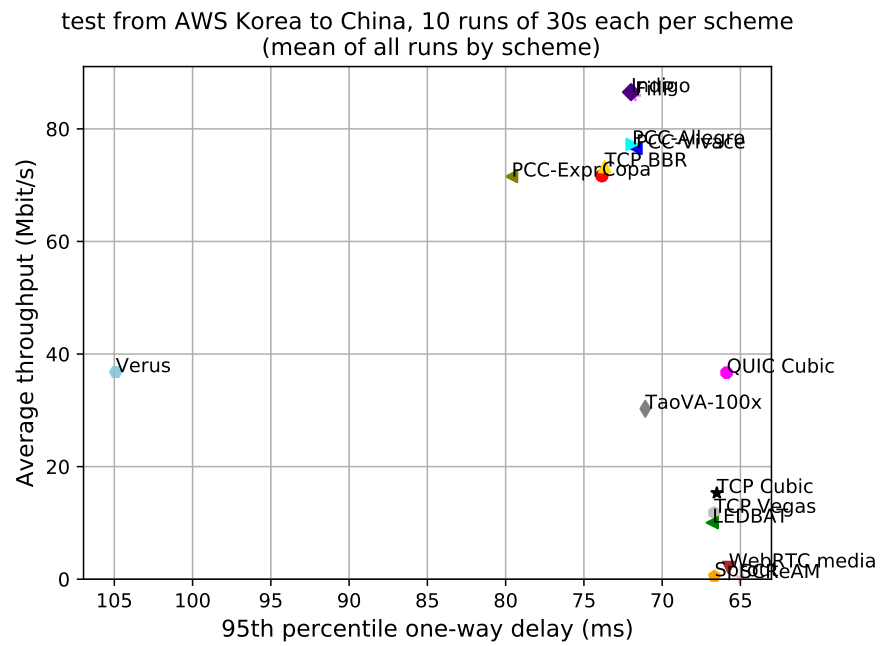
Each test lasted for 30 seconds running 1 flow.

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

NTP offsets were measured against `ntp.nict.jp` and have been applied to correct the timestamps in logs.

Git summary:

```
branch: master @ 227fdf9a3757f17b88537cceed5743a33037a3d2
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	73.30	73.68	5.88
Copa	10	71.68	73.85	1.59
TCP Cubic	10	15.32	66.51	0.41
FillP	10	85.95	71.72	11.51
Indigo	10	86.52	71.99	5.59
LEDBAT	9	10.04	66.80	0.21
PCC-Allegro	10	77.24	71.92	1.20
PCC-Expr	10	71.53	79.62	1.00
QUIC Cubic	10	36.69	65.88	0.85
SCReAM	10	0.21	65.06	0.07
Sprout	10	0.53	66.66	0.13
TaoVA-100x	10	30.28	71.08	1.39
TCP Vegas	10	11.79	66.67	0.34
Verus	10	36.79	104.91	79.34
PCC-Vivace	10	76.53	71.67	0.33
WebRTC media	10	2.09	65.75	0.06

Run 1: Statistics of TCP BBR

Start at: 2018-06-05 04:28:40

End at: 2018-06-05 04:29:10

Local clock offset: 7.074 ms

Remote clock offset: -4.336 ms

Below is generated by plot.py at 2018-06-05 07:50:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.67 Mbit/s

95th percentile per-packet one-way delay: 72.715 ms

Loss rate: 6.08%

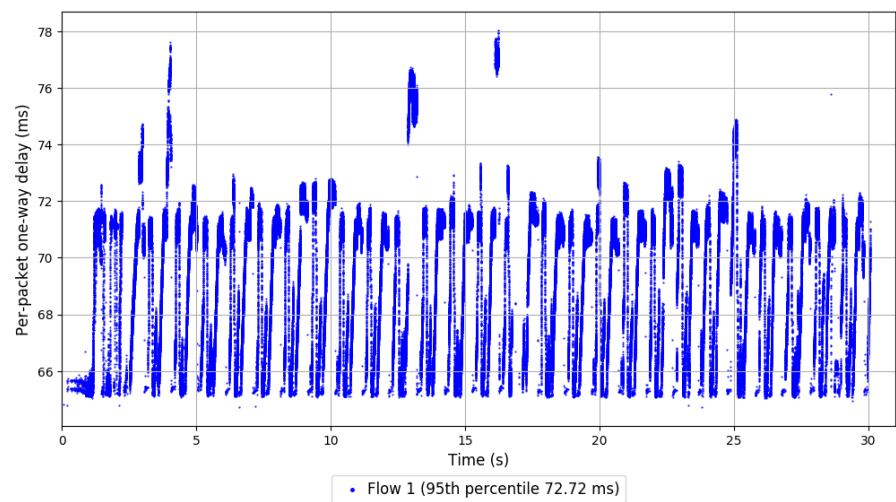
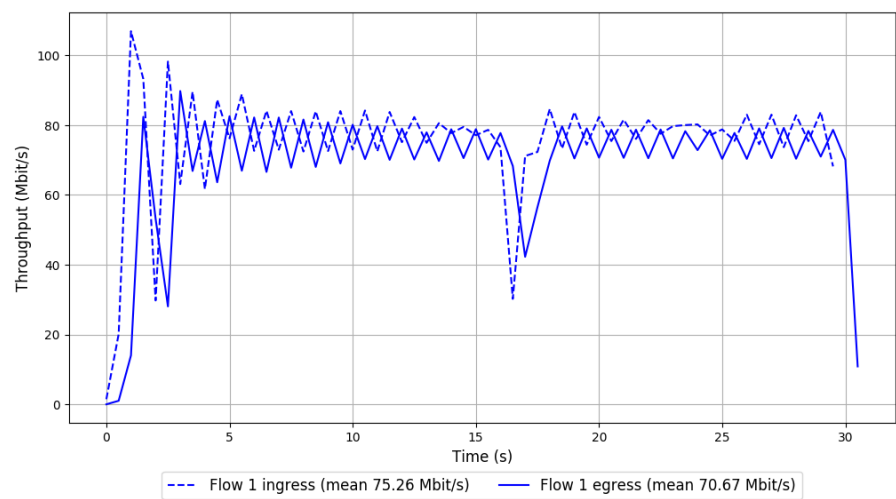
-- Flow 1:

Average throughput: 70.67 Mbit/s

95th percentile per-packet one-way delay: 72.715 ms

Loss rate: 6.08%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-06-05 04:49:33

End at: 2018-06-05 04:50:03

Local clock offset: 6.156 ms

Remote clock offset: -3.368 ms

Below is generated by plot.py at 2018-06-05 07:51:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.57 Mbit/s

95th percentile per-packet one-way delay: 72.849 ms

Loss rate: 5.58%

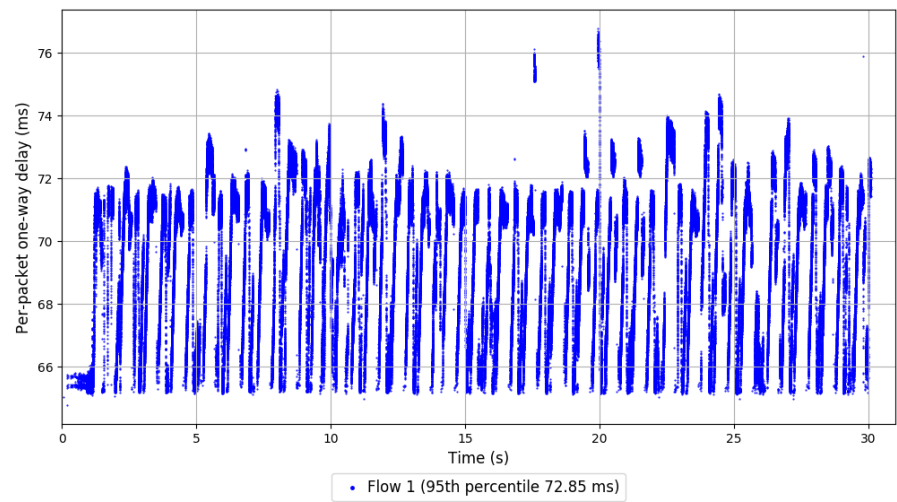
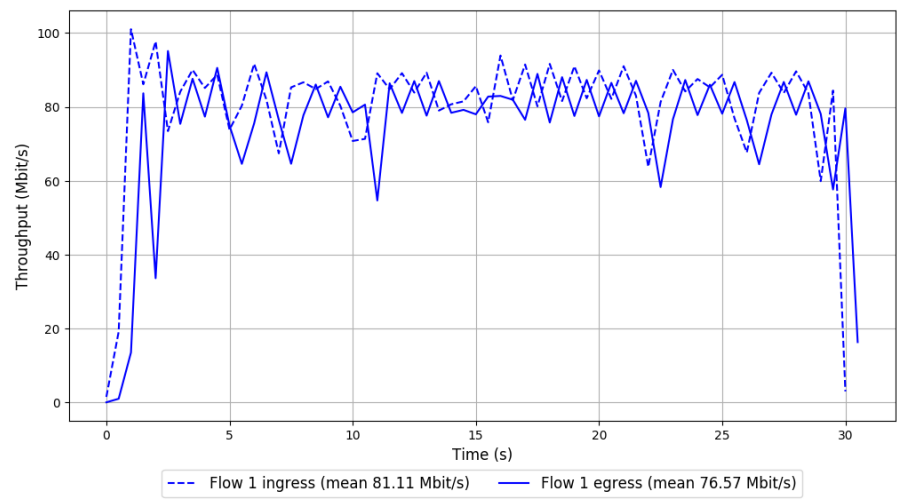
-- Flow 1:

Average throughput: 76.57 Mbit/s

95th percentile per-packet one-way delay: 72.849 ms

Loss rate: 5.58%

Run 2: Report of TCP BBR — Data Link

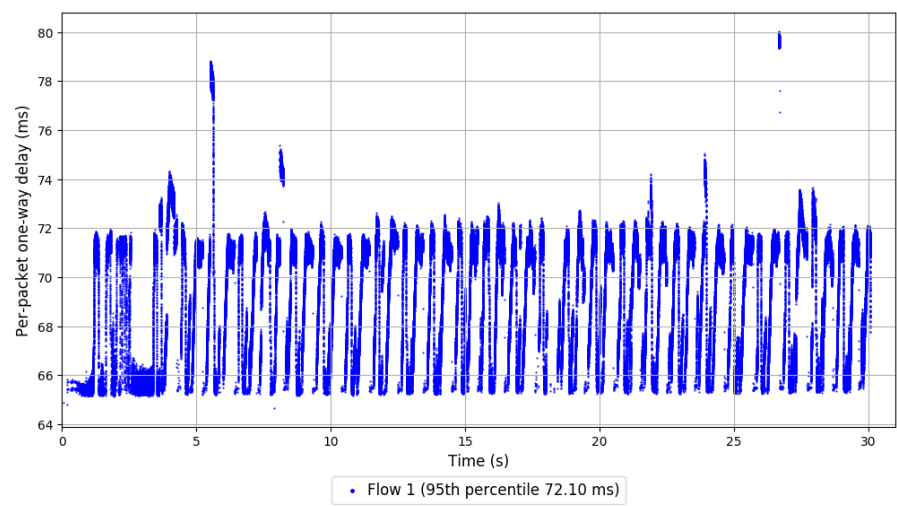
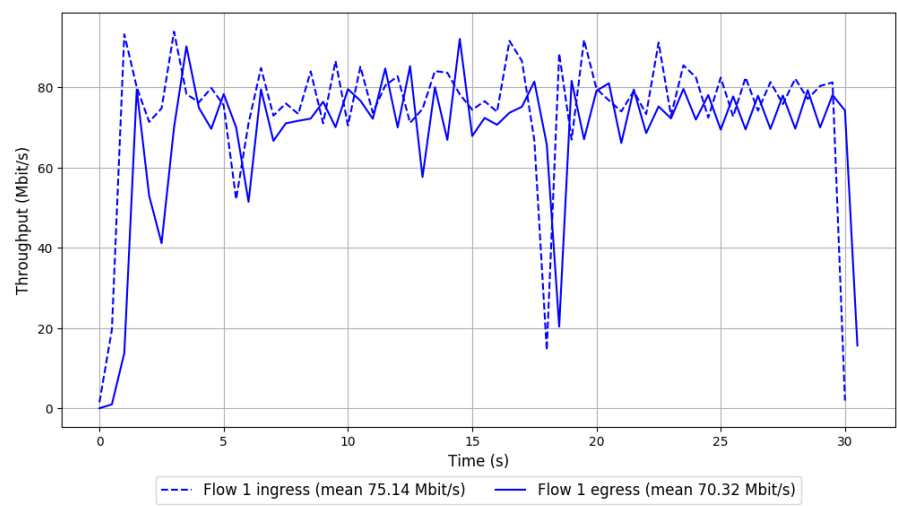


Run 3: Statistics of TCP BBR

Start at: 2018-06-05 05:10:41
End at: 2018-06-05 05:11:11
Local clock offset: 5.295 ms
Remote clock offset: -6.011 ms

Below is generated by plot.py at 2018-06-05 07:51:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.32 Mbit/s
95th percentile per-packet one-way delay: 72.104 ms
Loss rate: 6.41%
-- Flow 1:
Average throughput: 70.32 Mbit/s
95th percentile per-packet one-way delay: 72.104 ms
Loss rate: 6.41%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-06-05 05:31:34

End at: 2018-06-05 05:32:04

Local clock offset: 7.36 ms

Remote clock offset: -5.392 ms

Below is generated by plot.py at 2018-06-05 07:51:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.61 Mbit/s

95th percentile per-packet one-way delay: 71.261 ms

Loss rate: 6.17%

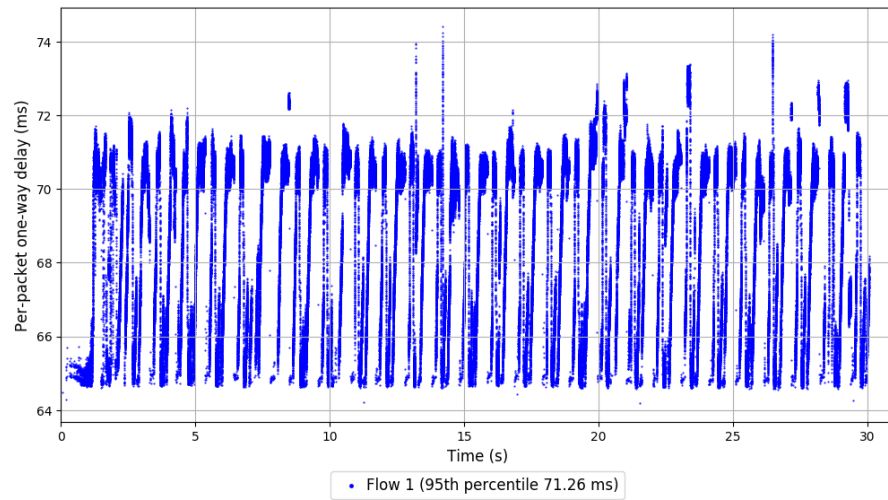
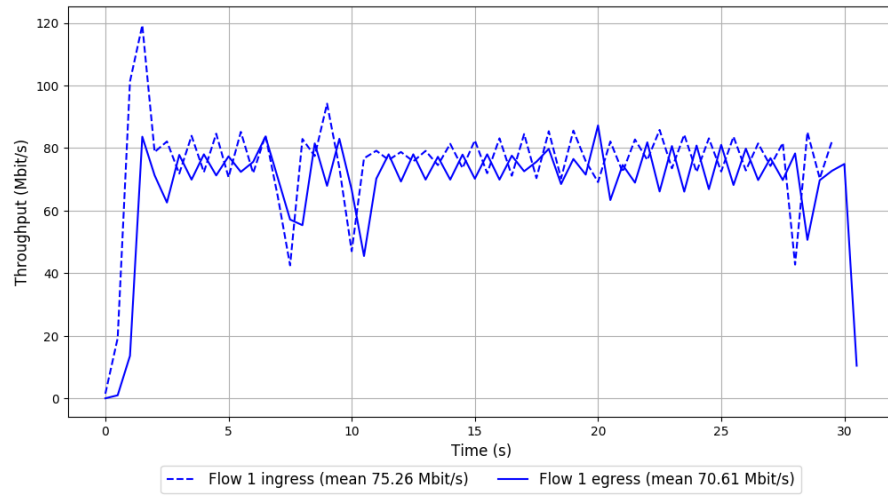
-- Flow 1:

Average throughput: 70.61 Mbit/s

95th percentile per-packet one-way delay: 71.261 ms

Loss rate: 6.17%

Run 4: Report of TCP BBR — Data Link

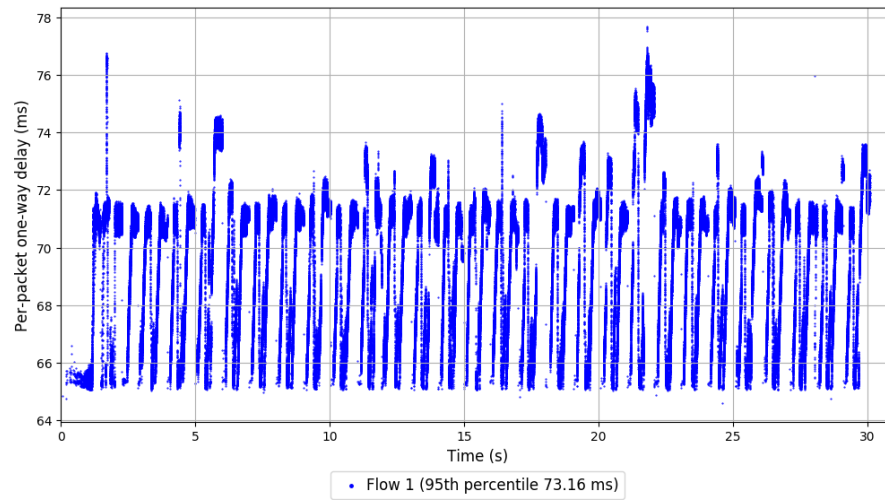
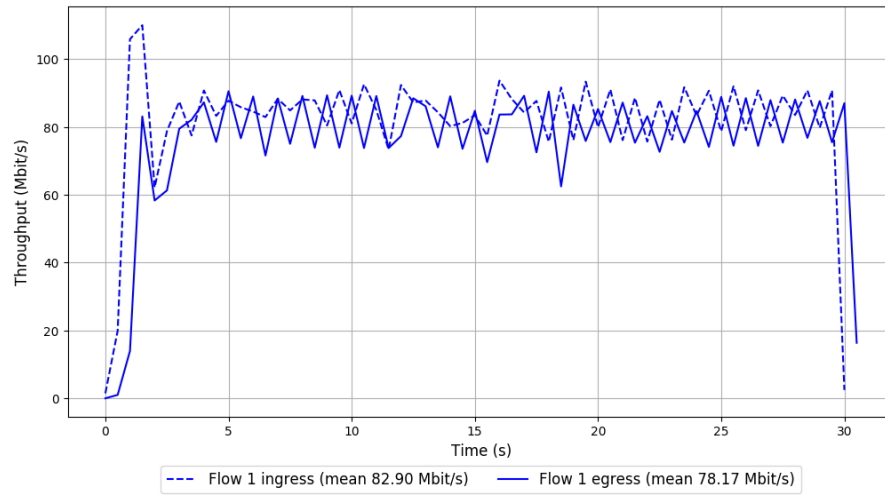


Run 5: Statistics of TCP BBR

Start at: 2018-06-05 05:52:31
End at: 2018-06-05 05:53:01
Local clock offset: 7.538 ms
Remote clock offset: -3.248 ms

Below is generated by plot.py at 2018-06-05 07:51:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.17 Mbit/s
95th percentile per-packet one-way delay: 73.158 ms
Loss rate: 5.67%
-- Flow 1:
Average throughput: 78.17 Mbit/s
95th percentile per-packet one-way delay: 73.158 ms
Loss rate: 5.67%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-06-05 06:13:25

End at: 2018-06-05 06:13:55

Local clock offset: 7.082 ms

Remote clock offset: -2.899 ms

Below is generated by plot.py at 2018-06-05 07:51:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.97 Mbit/s

95th percentile per-packet one-way delay: 73.658 ms

Loss rate: 6.15%

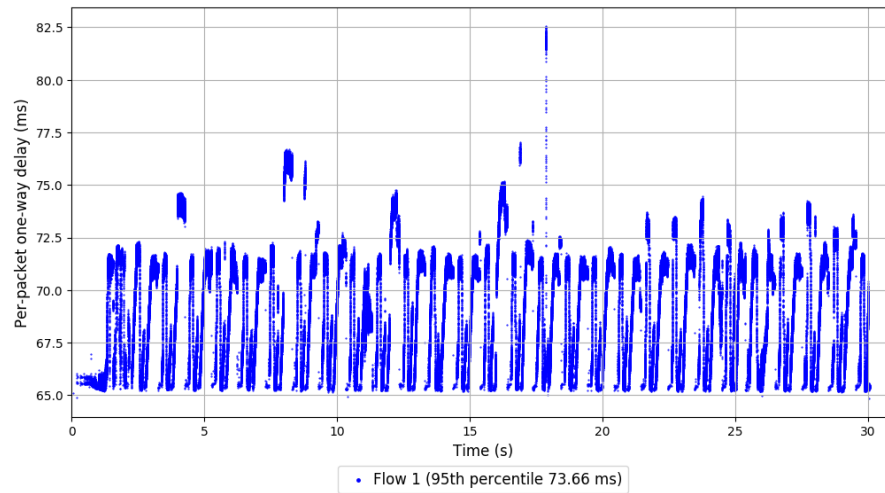
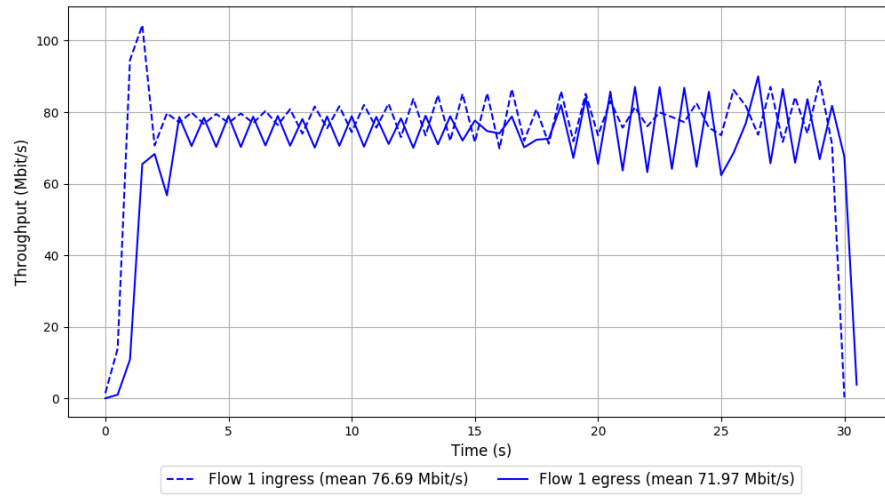
-- Flow 1:

Average throughput: 71.97 Mbit/s

95th percentile per-packet one-way delay: 73.658 ms

Loss rate: 6.15%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-06-05 06:34:16

End at: 2018-06-05 06:34:46

Local clock offset: 6.461 ms

Remote clock offset: -2.38 ms

Below is generated by plot.py at 2018-06-05 07:51:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.32 Mbit/s

95th percentile per-packet one-way delay: 73.820 ms

Loss rate: 5.56%

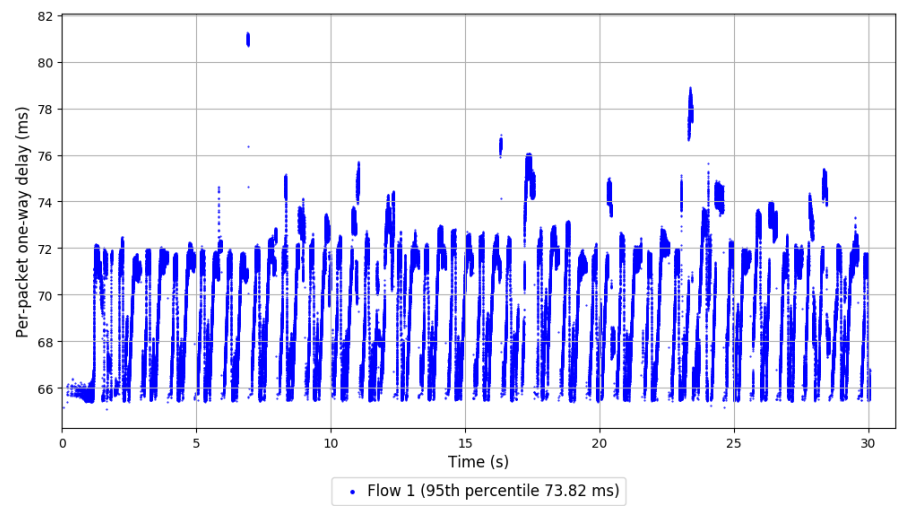
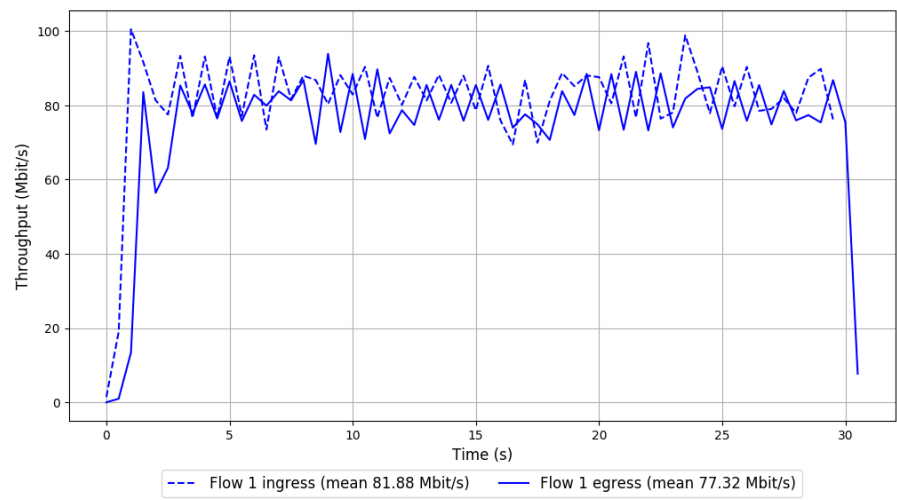
-- Flow 1:

Average throughput: 77.32 Mbit/s

95th percentile per-packet one-way delay: 73.820 ms

Loss rate: 5.56%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-06-05 06:55:07

End at: 2018-06-05 06:55:37

Local clock offset: 5.933 ms

Remote clock offset: -2.314 ms

Below is generated by plot.py at 2018-06-05 07:51:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.16 Mbit/s

95th percentile per-packet one-way delay: 73.595 ms

Loss rate: 6.41%

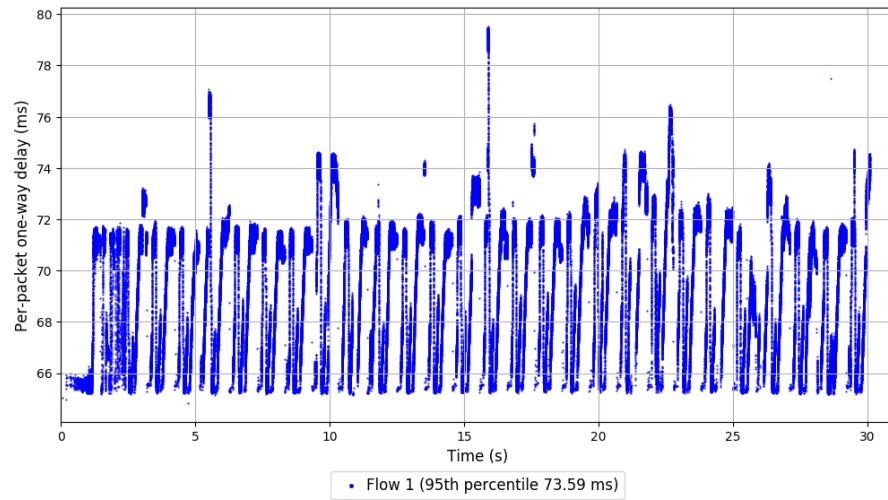
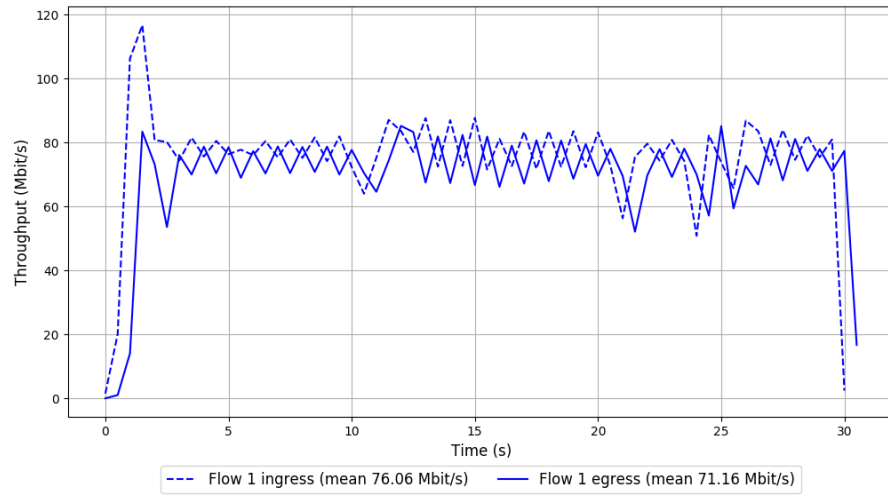
-- Flow 1:

Average throughput: 71.16 Mbit/s

95th percentile per-packet one-way delay: 73.595 ms

Loss rate: 6.41%

Run 8: Report of TCP BBR — Data Link

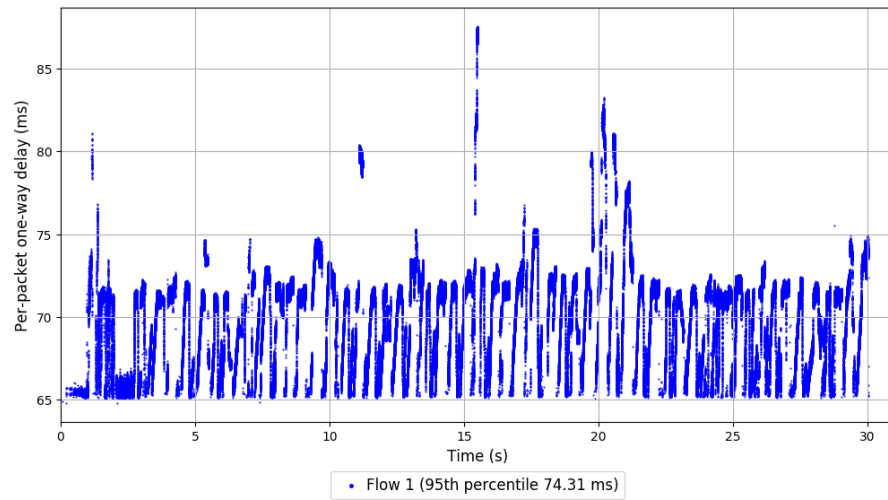
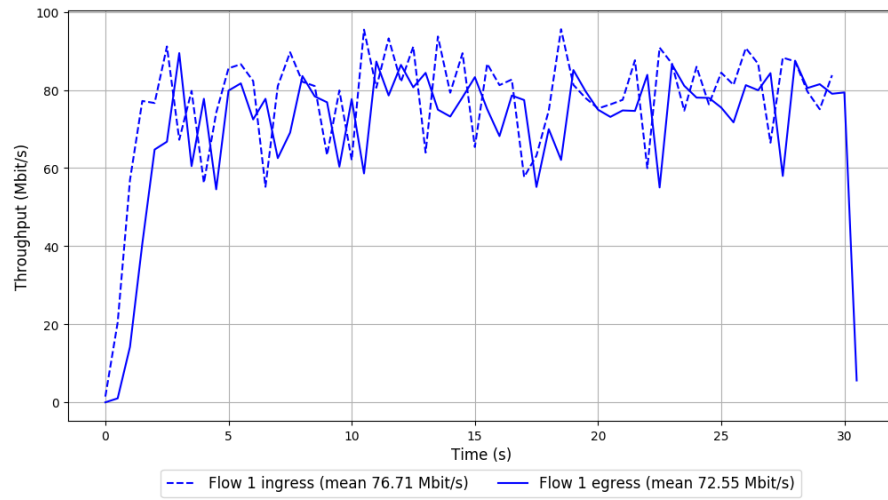


Run 9: Statistics of TCP BBR

Start at: 2018-06-05 07:17:11
End at: 2018-06-05 07:17:41
Local clock offset: 6.713 ms
Remote clock offset: -3.199 ms

Below is generated by plot.py at 2018-06-05 07:51:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.55 Mbit/s
95th percentile per-packet one-way delay: 74.309 ms
Loss rate: 5.42%
-- Flow 1:
Average throughput: 72.55 Mbit/s
95th percentile per-packet one-way delay: 74.309 ms
Loss rate: 5.42%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-06-05 07:38:06

End at: 2018-06-05 07:38:36

Local clock offset: 7.755 ms

Remote clock offset: -3.645 ms

Below is generated by plot.py at 2018-06-05 07:51:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.67 Mbit/s

95th percentile per-packet one-way delay: 79.288 ms

Loss rate: 5.35%

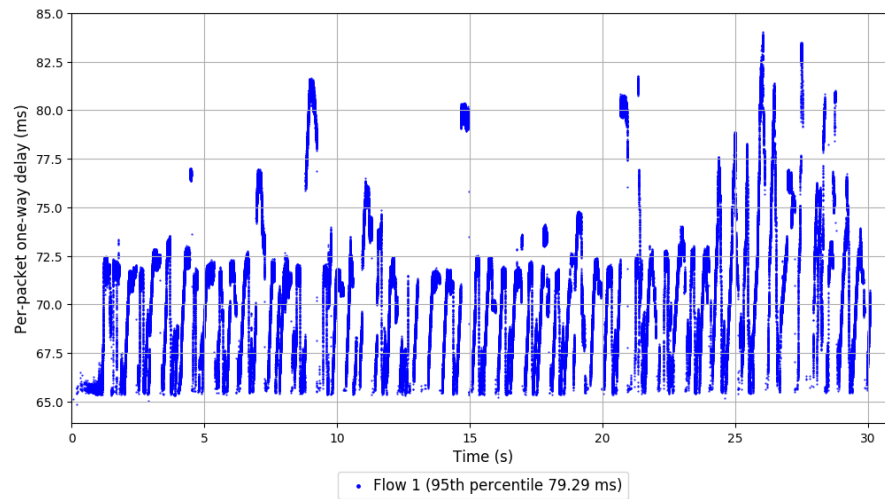
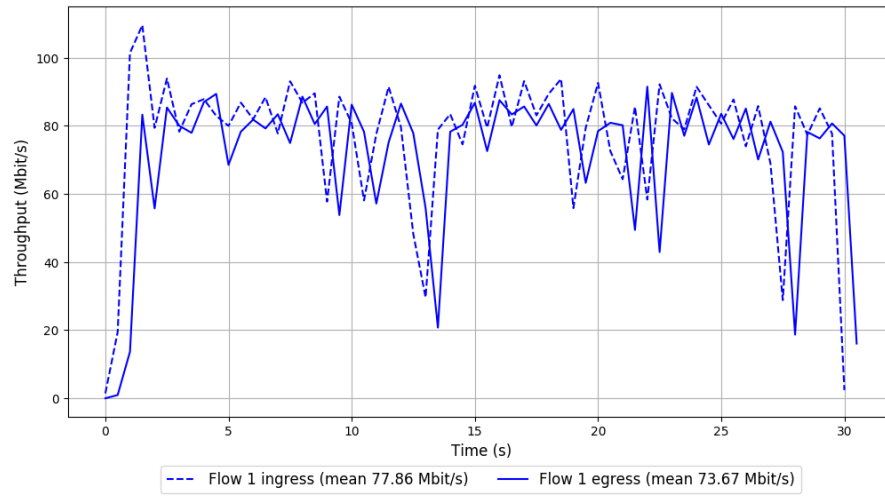
-- Flow 1:

Average throughput: 73.67 Mbit/s

95th percentile per-packet one-way delay: 79.288 ms

Loss rate: 5.35%

Run 10: Report of TCP BBR — Data Link

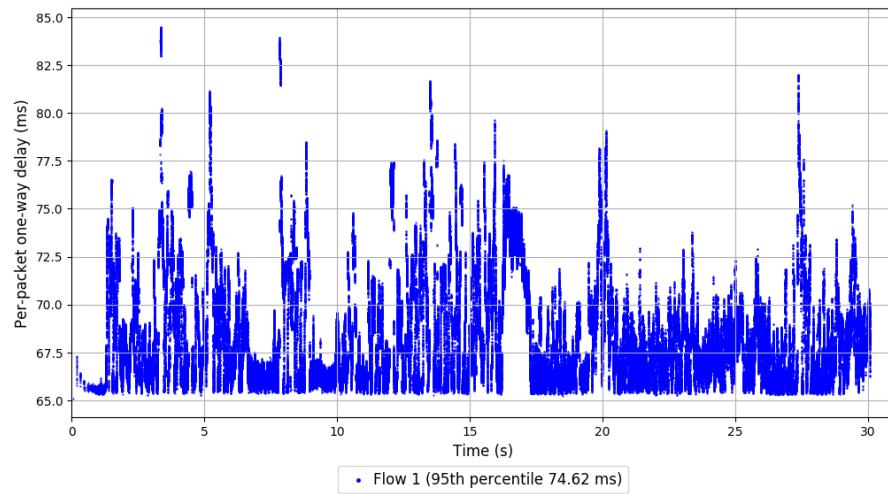
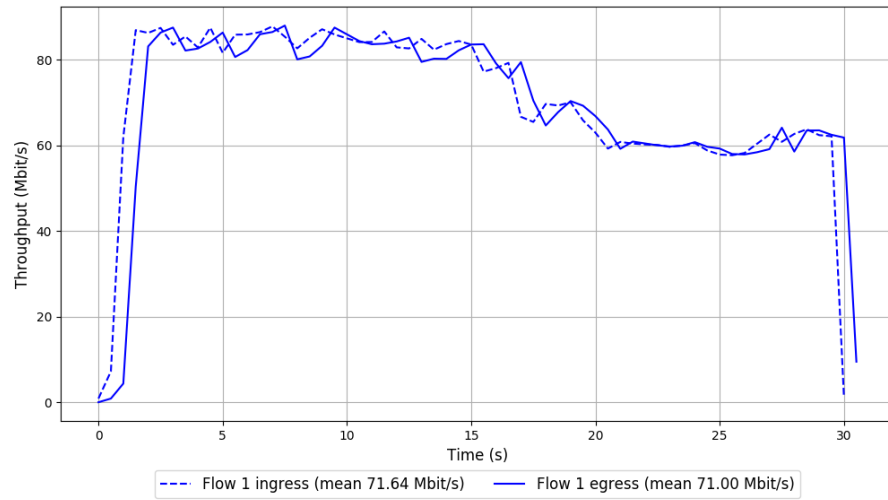


Run 1: Statistics of Copa

Start at: 2018-06-05 04:29:59
End at: 2018-06-05 04:30:29
Local clock offset: 7.033 ms
Remote clock offset: -4.275 ms

Below is generated by plot.py at 2018-06-05 07:52:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.00 Mbit/s
95th percentile per-packet one-way delay: 74.621 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 71.00 Mbit/s
95th percentile per-packet one-way delay: 74.621 ms
Loss rate: 0.90%

Run 1: Report of Copa — Data Link

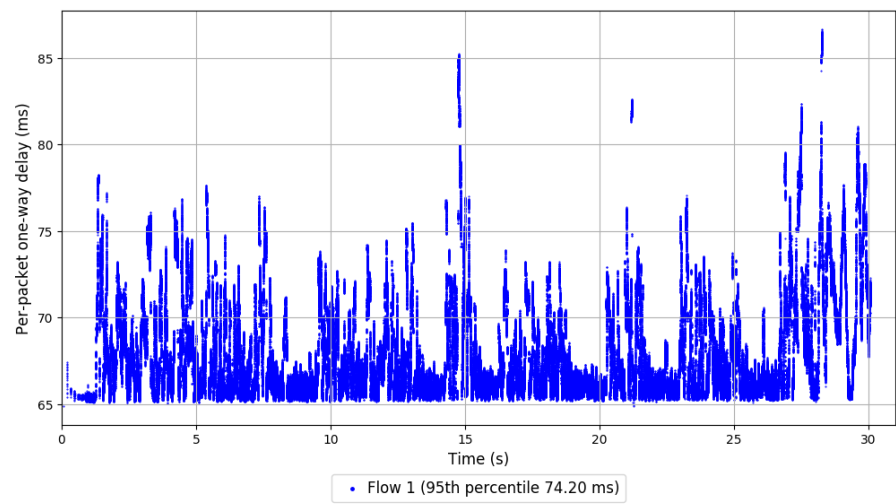
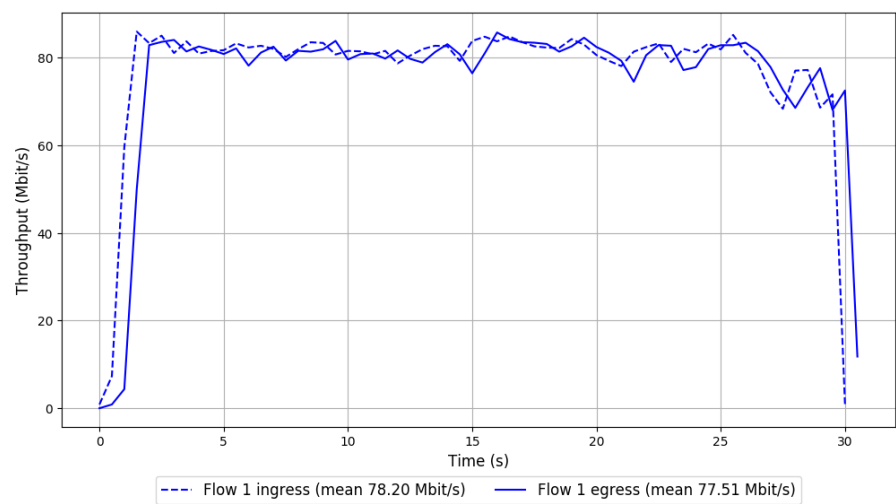


Run 2: Statistics of Copa

Start at: 2018-06-05 04:50:52
End at: 2018-06-05 04:51:22
Local clock offset: 5.813 ms
Remote clock offset: -3.426 ms

Below is generated by plot.py at 2018-06-05 07:52:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.51 Mbit/s
95th percentile per-packet one-way delay: 74.201 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 77.51 Mbit/s
95th percentile per-packet one-way delay: 74.201 ms
Loss rate: 0.85%

Run 2: Report of Copa — Data Link

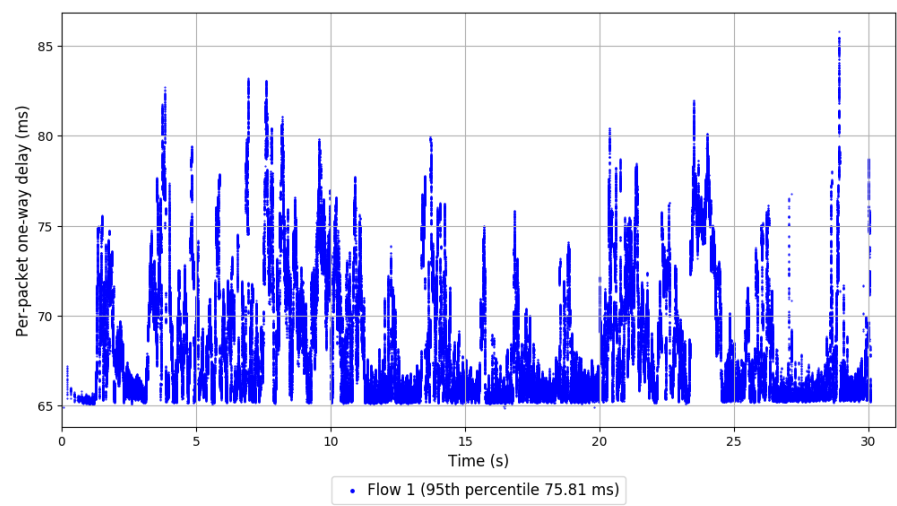
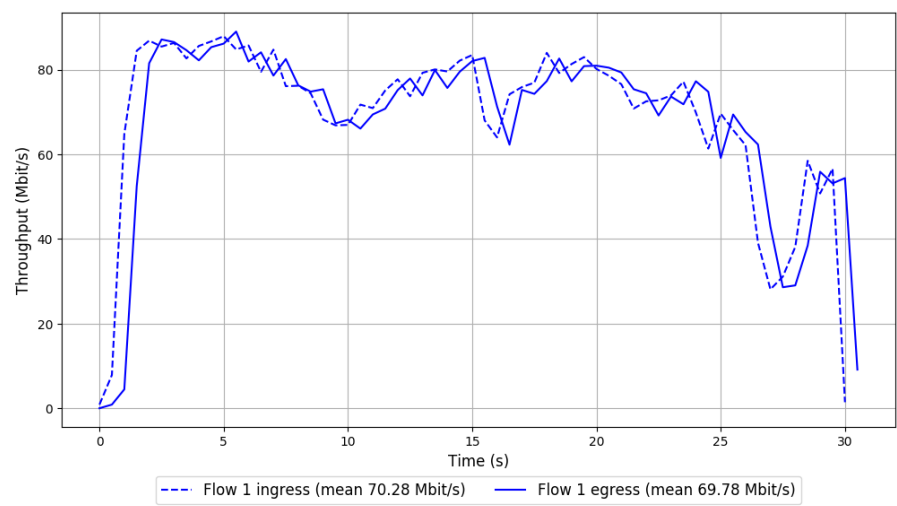


Run 3: Statistics of Copa

Start at: 2018-06-05 05:12:01
End at: 2018-06-05 05:12:31
Local clock offset: 5.598 ms
Remote clock offset: -6.092 ms

Below is generated by plot.py at 2018-06-05 07:52:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.78 Mbit/s
95th percentile per-packet one-way delay: 75.815 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 69.78 Mbit/s
95th percentile per-packet one-way delay: 75.815 ms
Loss rate: 0.70%

Run 3: Report of Copa — Data Link

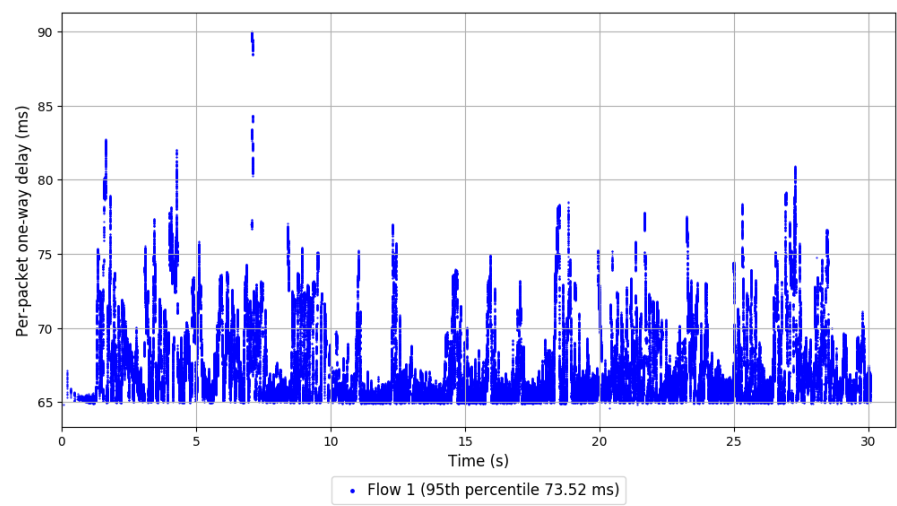
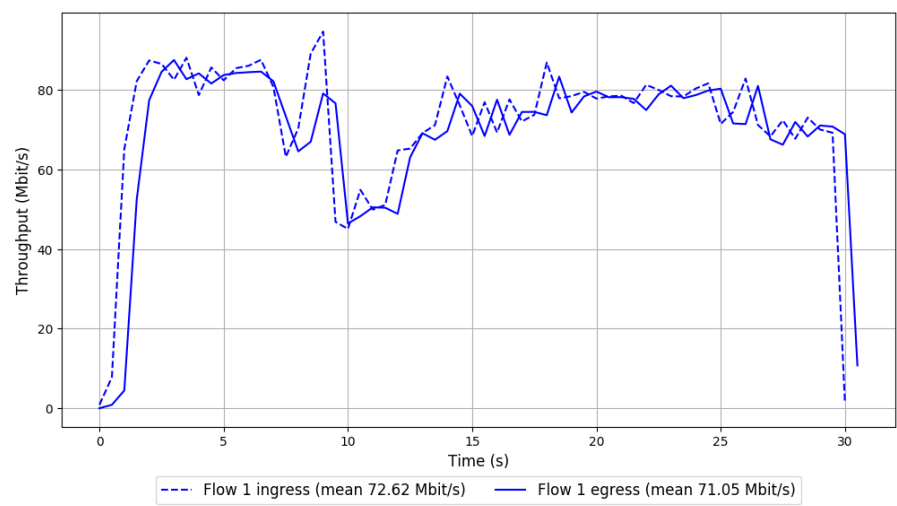


Run 4: Statistics of Copa

Start at: 2018-06-05 05:32:53
End at: 2018-06-05 05:33:24
Local clock offset: 7.28 ms
Remote clock offset: -4.779 ms

Below is generated by plot.py at 2018-06-05 07:52:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.05 Mbit/s
95th percentile per-packet one-way delay: 73.520 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 71.05 Mbit/s
95th percentile per-packet one-way delay: 73.520 ms
Loss rate: 2.15%

Run 4: Report of Copa — Data Link

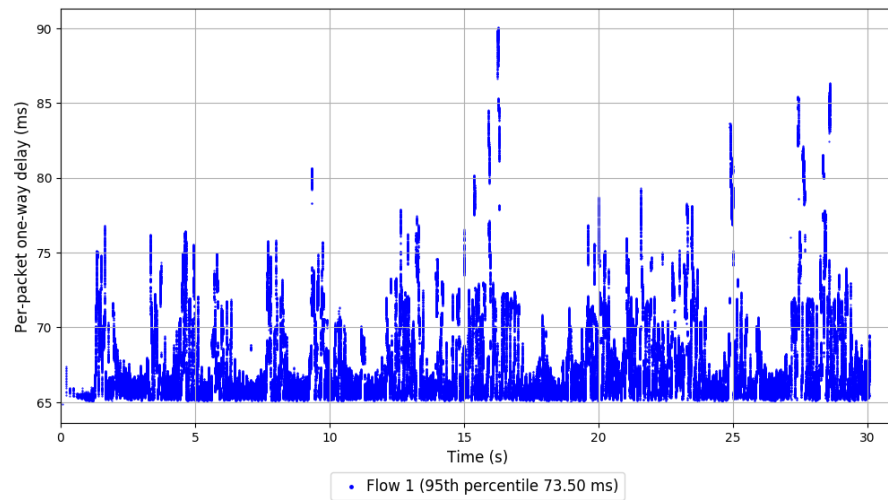
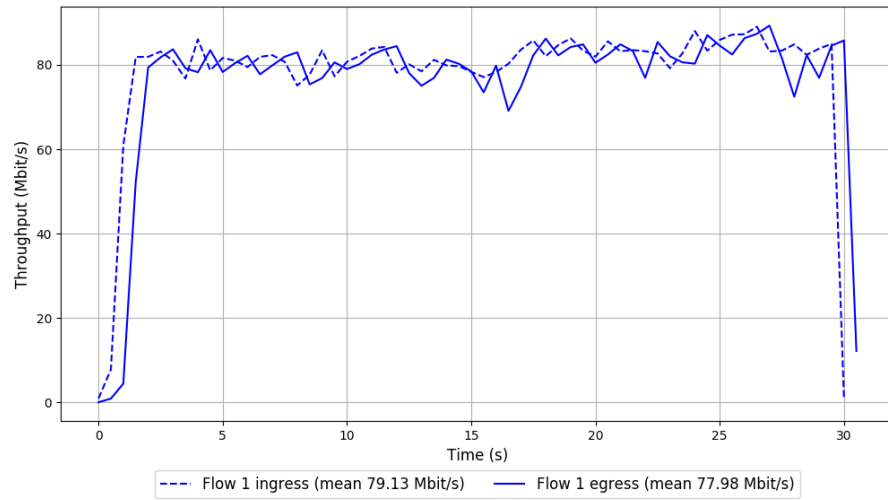


Run 5: Statistics of Copa

Start at: 2018-06-05 05:53:51
End at: 2018-06-05 05:54:21
Local clock offset: 7.493 ms
Remote clock offset: -3.201 ms

Below is generated by plot.py at 2018-06-05 07:52:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.98 Mbit/s
95th percentile per-packet one-way delay: 73.497 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 77.98 Mbit/s
95th percentile per-packet one-way delay: 73.497 ms
Loss rate: 1.45%

Run 5: Report of Copa — Data Link

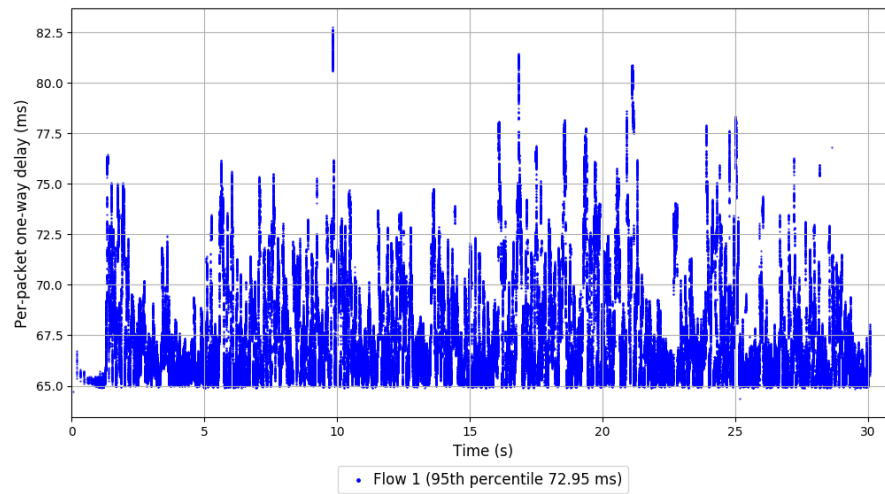
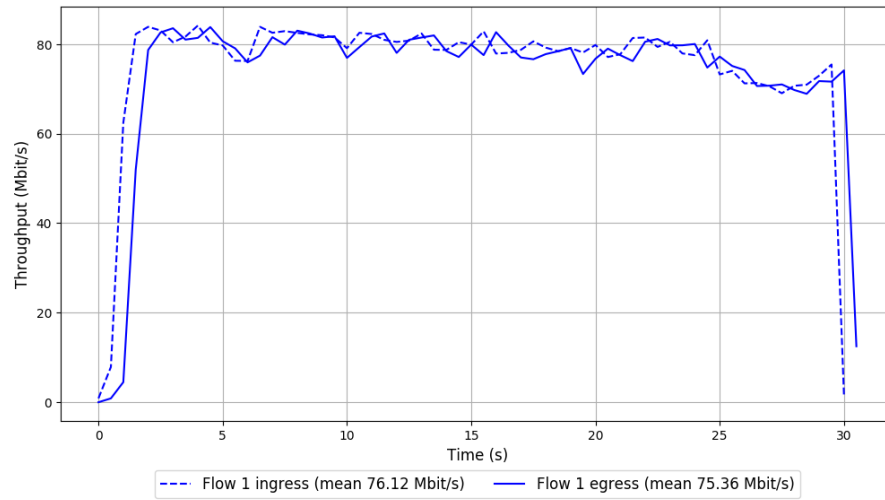


Run 6: Statistics of Copa

Start at: 2018-06-05 06:14:44
End at: 2018-06-05 06:15:14
Local clock offset: 7.141 ms
Remote clock offset: -2.937 ms

Below is generated by plot.py at 2018-06-05 07:52:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.36 Mbit/s
95th percentile per-packet one-way delay: 72.949 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 75.36 Mbit/s
95th percentile per-packet one-way delay: 72.949 ms
Loss rate: 1.00%

Run 6: Report of Copa — Data Link

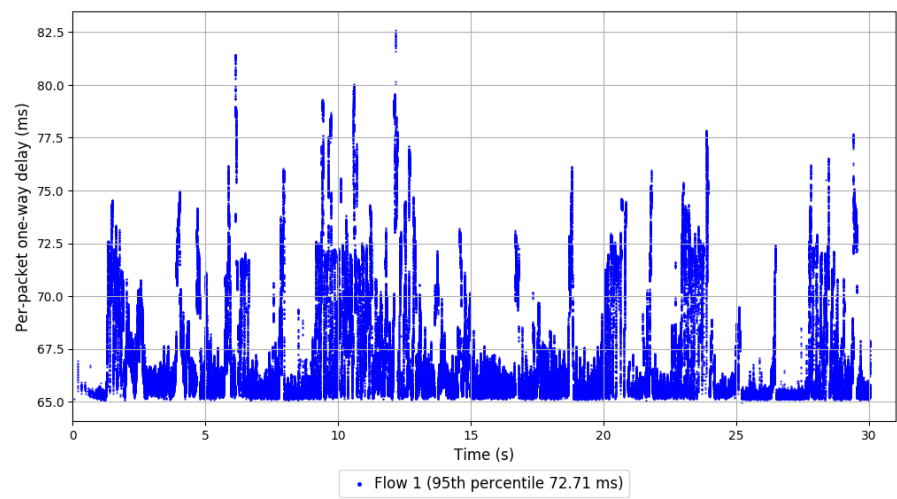
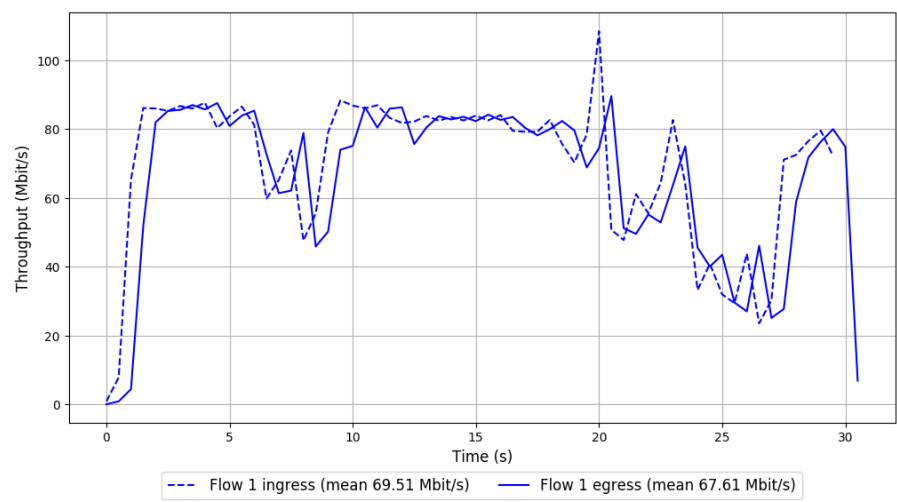


Run 7: Statistics of Copa

Start at: 2018-06-05 06:35:36
End at: 2018-06-05 06:36:06
Local clock offset: 6.426 ms
Remote clock offset: -2.465 ms

Below is generated by plot.py at 2018-06-05 07:53:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.61 Mbit/s
95th percentile per-packet one-way delay: 72.713 ms
Loss rate: 2.74%
-- Flow 1:
Average throughput: 67.61 Mbit/s
95th percentile per-packet one-way delay: 72.713 ms
Loss rate: 2.74%

Run 7: Report of Copa — Data Link

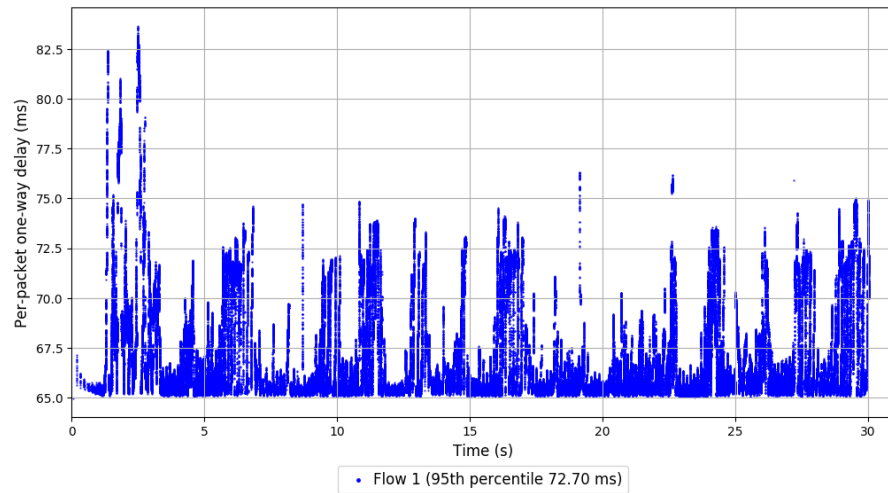
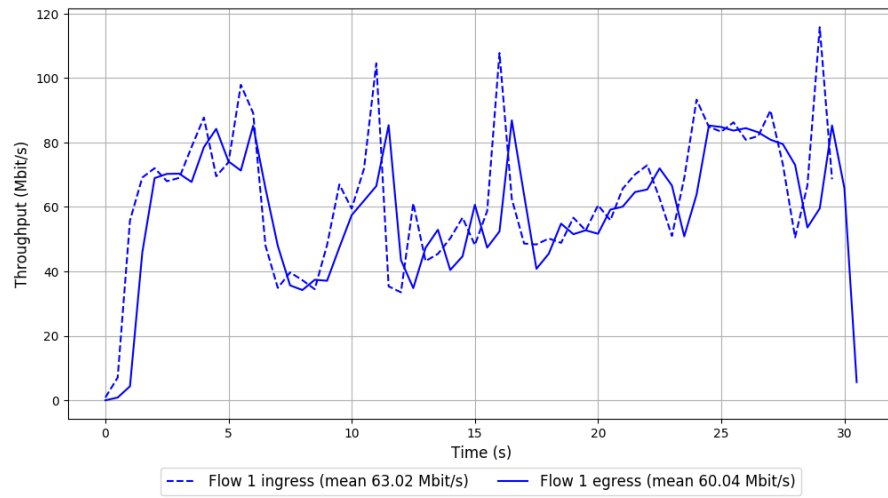


Run 8: Statistics of Copa

Start at: 2018-06-05 06:56:27
End at: 2018-06-05 06:56:57
Local clock offset: 5.909 ms
Remote clock offset: -2.379 ms

Below is generated by plot.py at 2018-06-05 07:53:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.04 Mbit/s
95th percentile per-packet one-way delay: 72.704 ms
Loss rate: 4.71%
-- Flow 1:
Average throughput: 60.04 Mbit/s
95th percentile per-packet one-way delay: 72.704 ms
Loss rate: 4.71%

Run 8: Report of Copa — Data Link

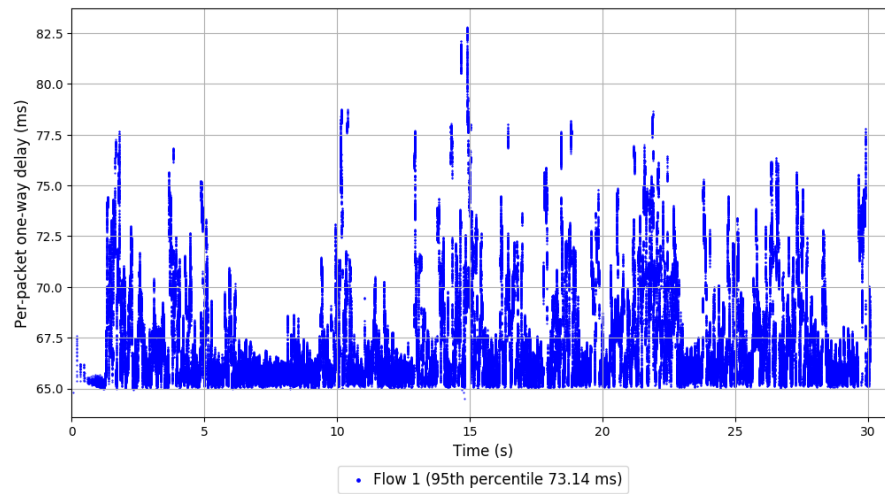
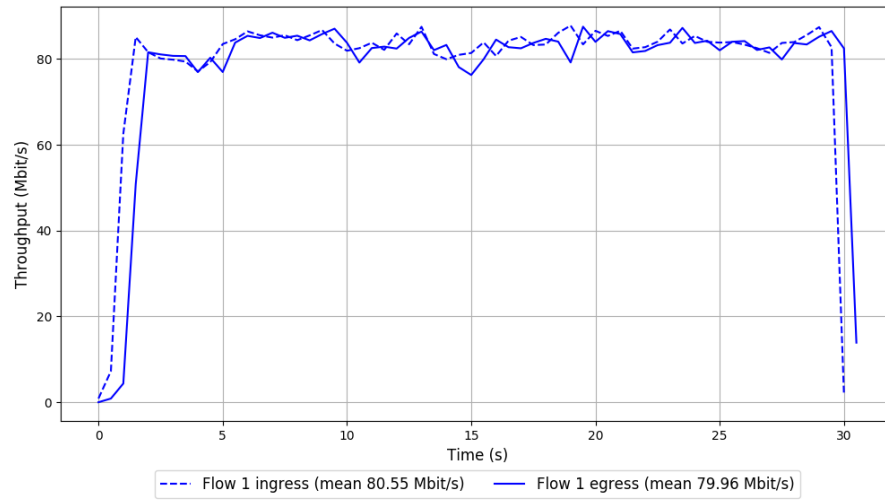


Run 9: Statistics of Copa

Start at: 2018-06-05 07:18:31
End at: 2018-06-05 07:19:01
Local clock offset: 6.871 ms
Remote clock offset: -3.299 ms

Below is generated by plot.py at 2018-06-05 07:54:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.96 Mbit/s
95th percentile per-packet one-way delay: 73.137 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 79.96 Mbit/s
95th percentile per-packet one-way delay: 73.137 ms
Loss rate: 0.73%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-06-05 07:39:25

End at: 2018-06-05 07:39:55

Local clock offset: 7.844 ms

Remote clock offset: -3.687 ms

Below is generated by plot.py at 2018-06-05 07:54:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.48 Mbit/s

95th percentile per-packet one-way delay: 75.364 ms

Loss rate: 0.70%

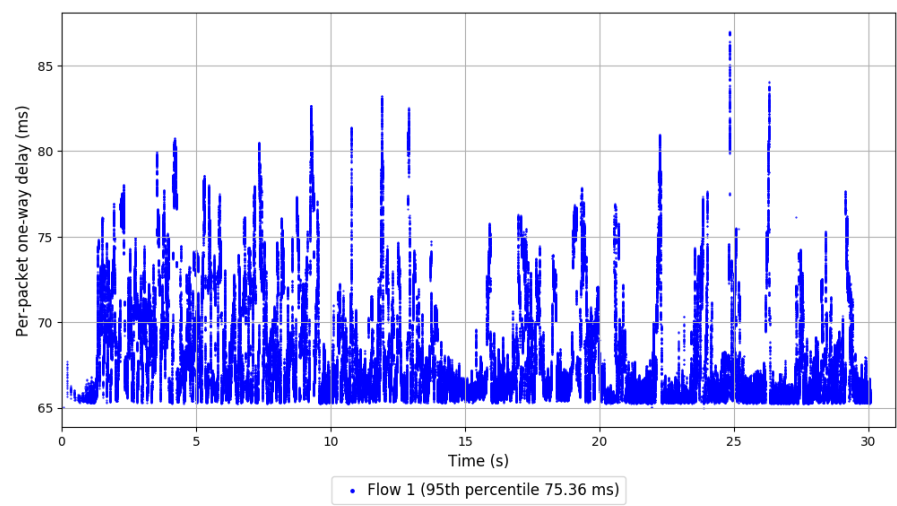
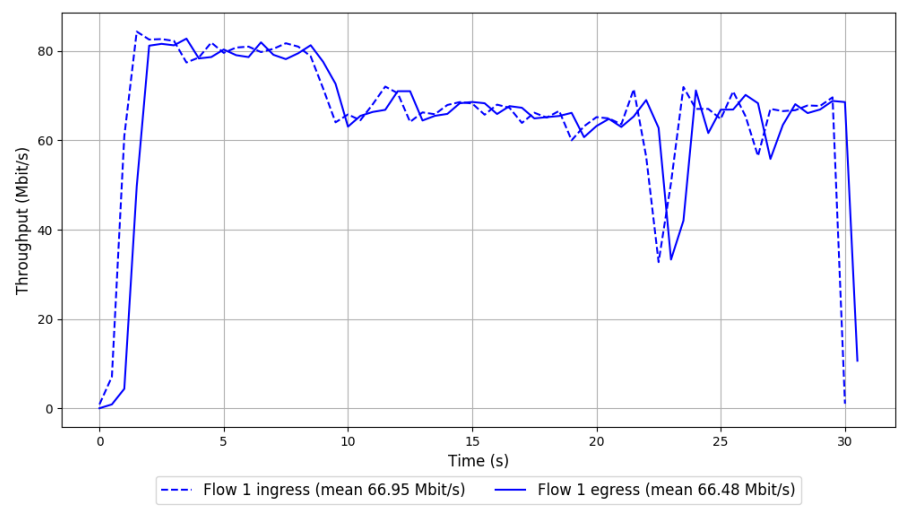
-- Flow 1:

Average throughput: 66.48 Mbit/s

95th percentile per-packet one-way delay: 75.364 ms

Loss rate: 0.70%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-06-05 04:36:34

End at: 2018-06-05 04:37:04

Local clock offset: 6.898 ms

Remote clock offset: -3.79 ms

Below is generated by plot.py at 2018-06-05 07:54:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.00 Mbit/s

95th percentile per-packet one-way delay: 66.429 ms

Loss rate: 0.38%

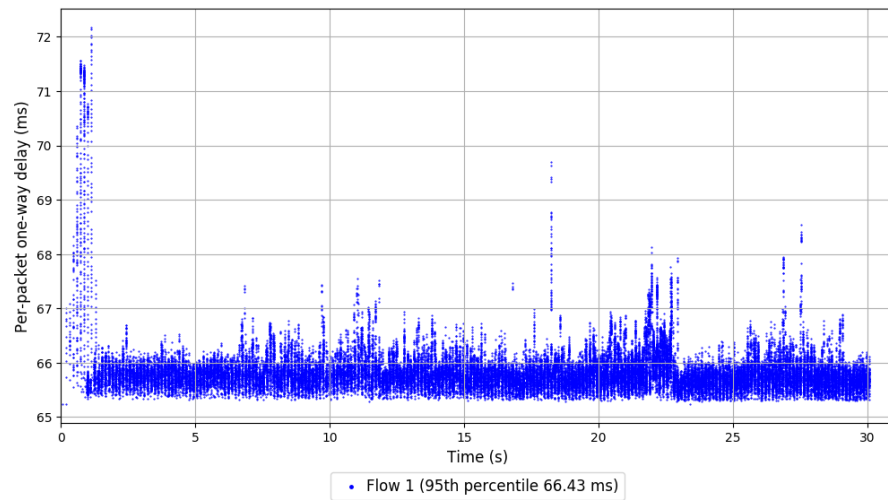
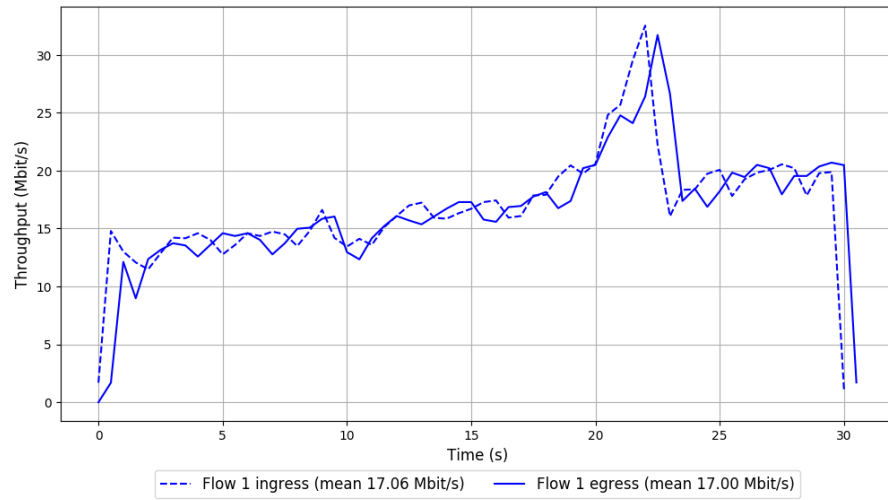
-- Flow 1:

Average throughput: 17.00 Mbit/s

95th percentile per-packet one-way delay: 66.429 ms

Loss rate: 0.38%

Run 1: Report of TCP Cubic — Data Link

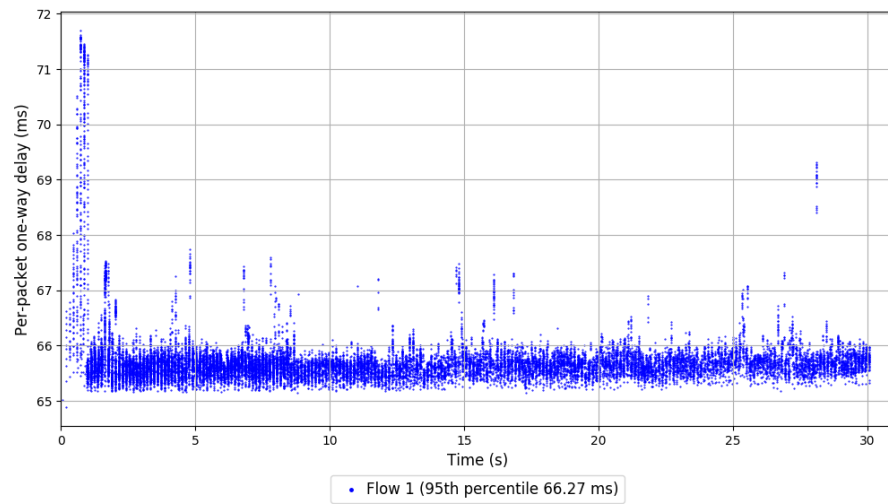
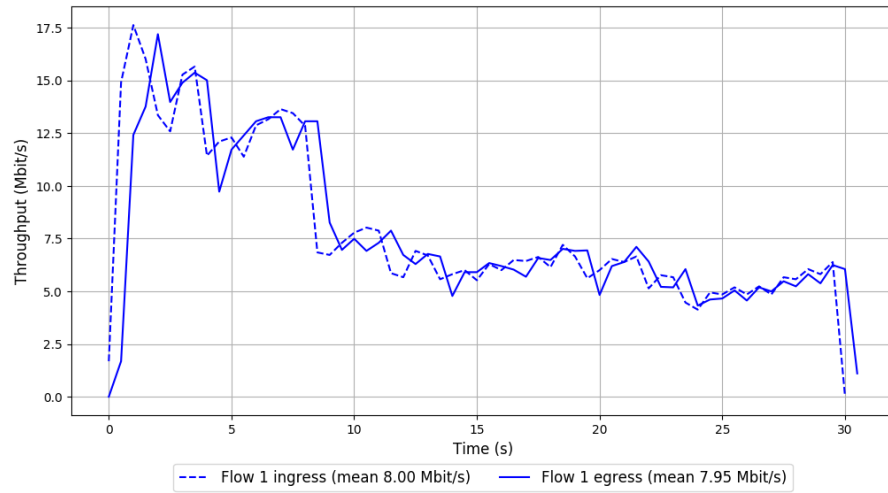


Run 2: Statistics of TCP Cubic

Start at: 2018-06-05 04:57:28
End at: 2018-06-05 04:57:58
Local clock offset: 5.5 ms
Remote clock offset: -4.765 ms

Below is generated by plot.py at 2018-06-05 07:54:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.95 Mbit/s
95th percentile per-packet one-way delay: 66.267 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 7.95 Mbit/s
95th percentile per-packet one-way delay: 66.267 ms
Loss rate: 0.60%

Run 2: Report of TCP Cubic — Data Link

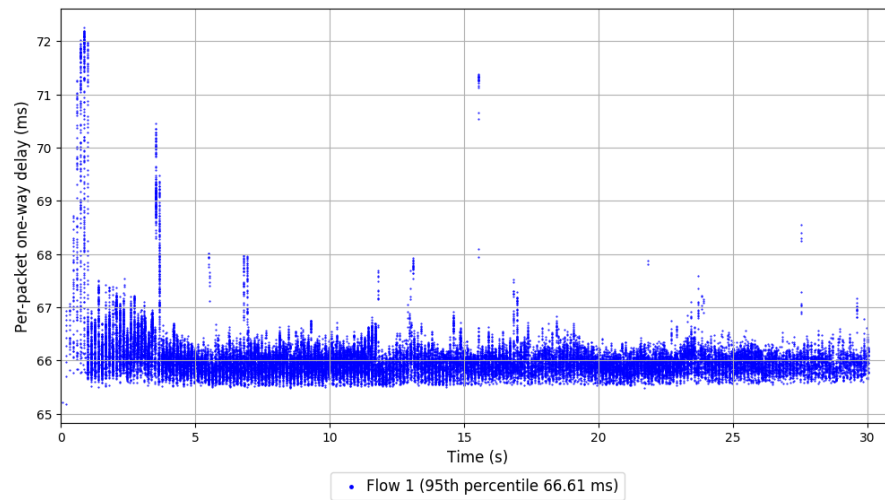
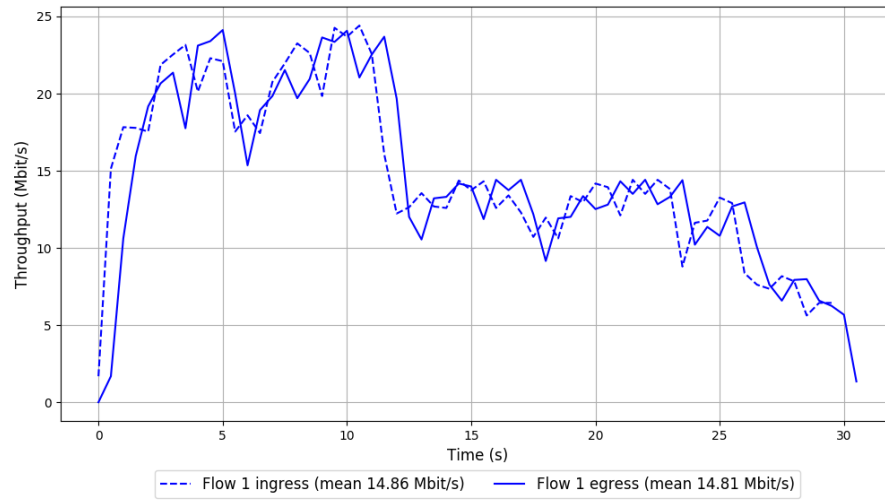


Run 3: Statistics of TCP Cubic

Start at: 2018-06-05 05:18:37
End at: 2018-06-05 05:19:07
Local clock offset: 6.414 ms
Remote clock offset: -6.235 ms

Below is generated by plot.py at 2018-06-05 07:54:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 14.81 Mbit/s
95th percentile per-packet one-way delay: 66.610 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 14.81 Mbit/s
95th percentile per-packet one-way delay: 66.610 ms
Loss rate: 0.35%

Run 3: Report of TCP Cubic — Data Link

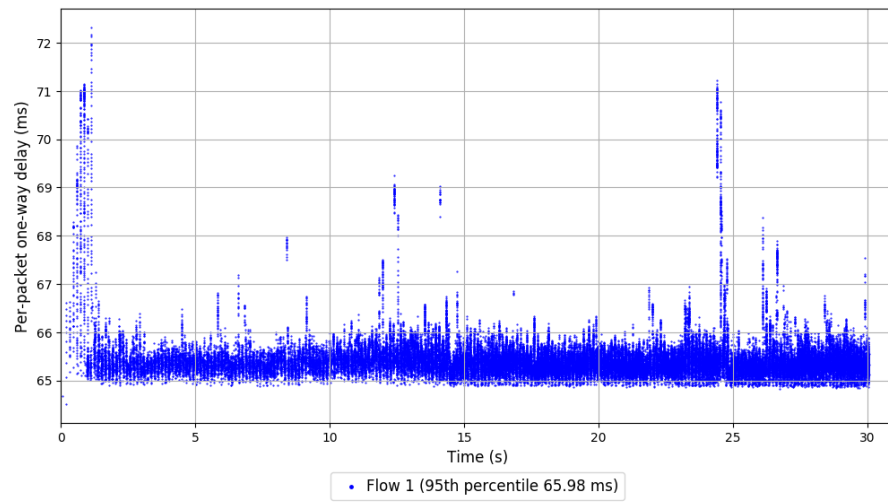
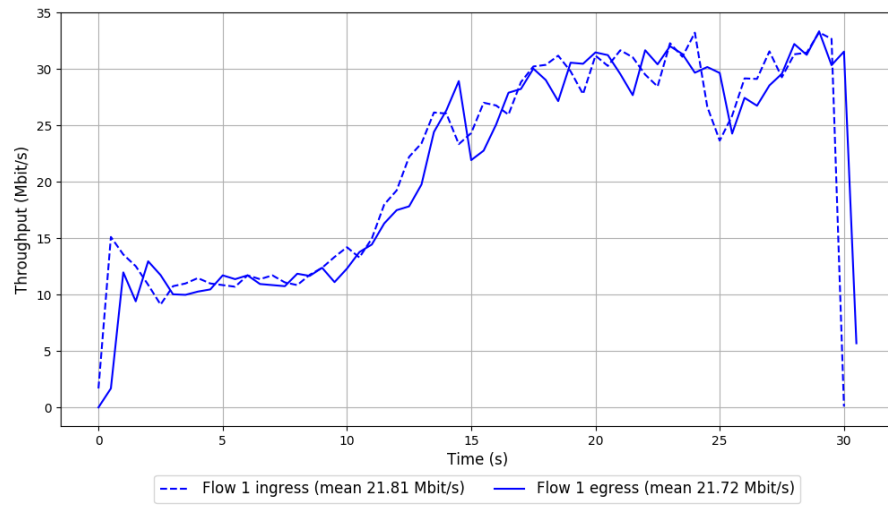


Run 4: Statistics of TCP Cubic

Start at: 2018-06-05 05:39:28
End at: 2018-06-05 05:39:58
Local clock offset: 7.384 ms
Remote clock offset: -4.112 ms

Below is generated by plot.py at 2018-06-05 07:54:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.72 Mbit/s
95th percentile per-packet one-way delay: 65.983 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 21.72 Mbit/s
95th percentile per-packet one-way delay: 65.983 ms
Loss rate: 0.40%

Run 4: Report of TCP Cubic — Data Link

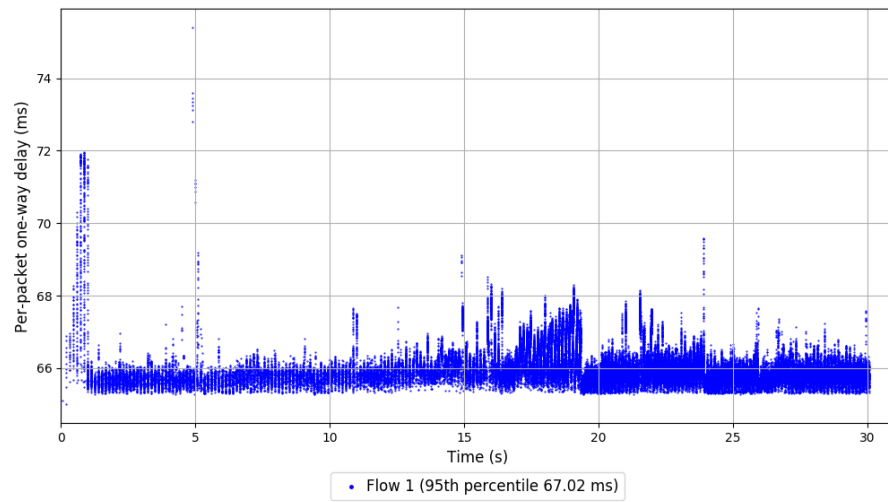
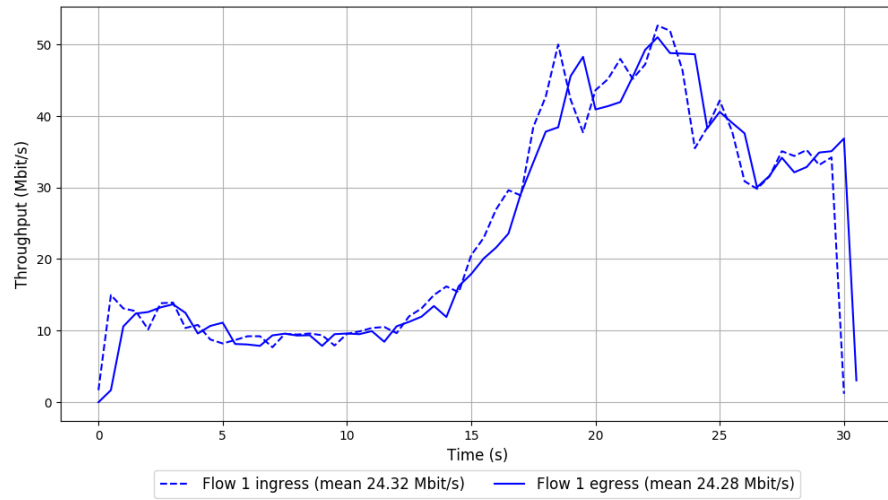


Run 5: Statistics of TCP Cubic

Start at: 2018-06-05 06:00:26
End at: 2018-06-05 06:00:56
Local clock offset: 7.407 ms
Remote clock offset: -2.944 ms

Below is generated by plot.py at 2018-06-05 07:54:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: 67.022 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: 67.022 ms
Loss rate: 0.16%

Run 5: Report of TCP Cubic — Data Link

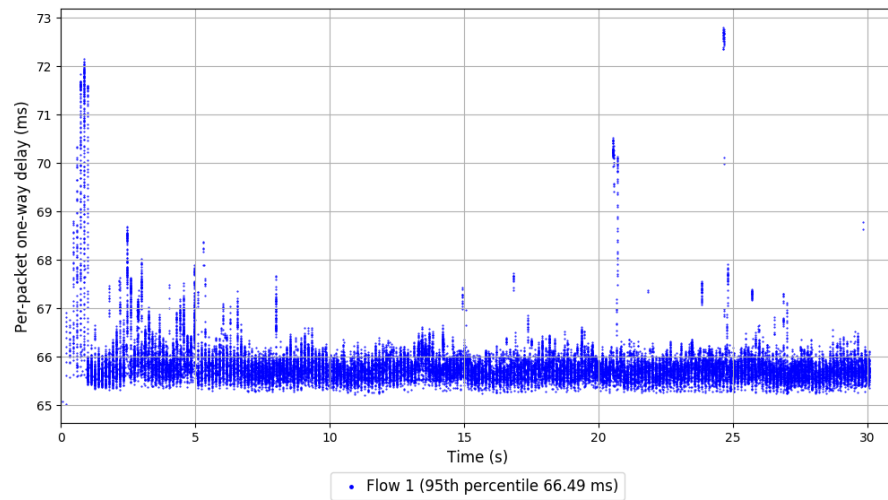
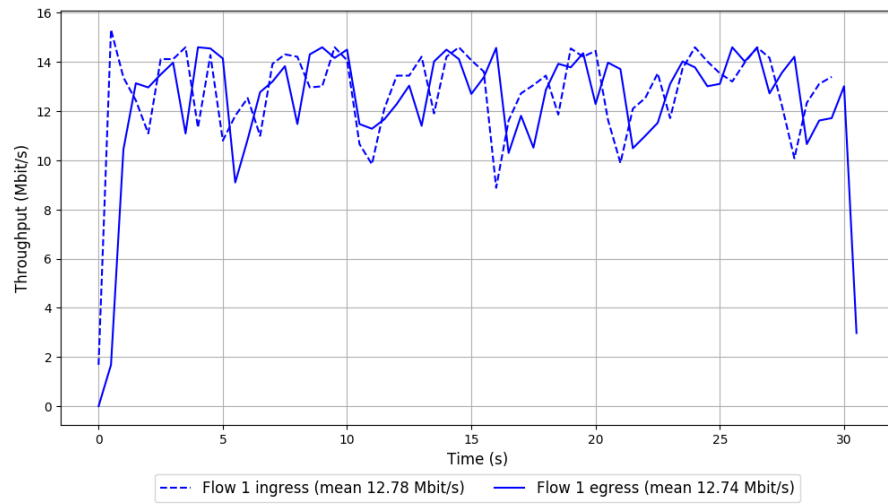


Run 6: Statistics of TCP Cubic

Start at: 2018-06-05 06:21:19
End at: 2018-06-05 06:21:49
Local clock offset: 6.858 ms
Remote clock offset: -2.722 ms

Below is generated by plot.py at 2018-06-05 07:54:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.74 Mbit/s
95th percentile per-packet one-way delay: 66.493 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 12.74 Mbit/s
95th percentile per-packet one-way delay: 66.493 ms
Loss rate: 0.30%

Run 6: Report of TCP Cubic — Data Link

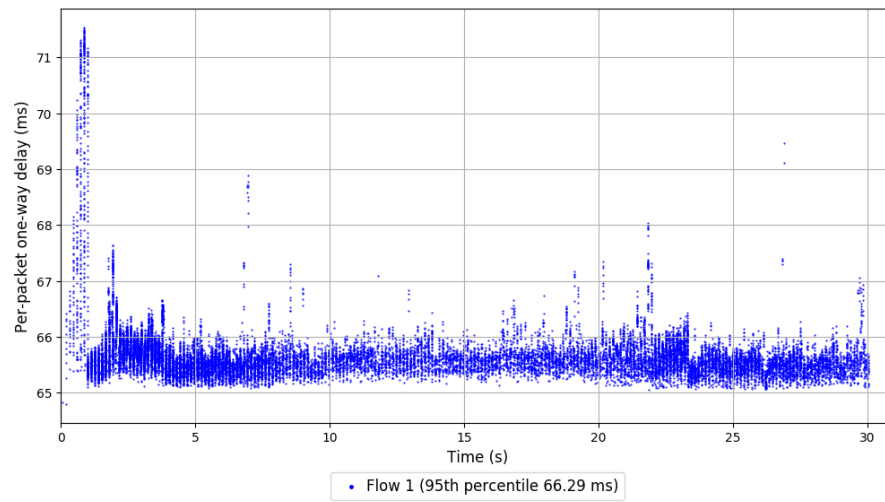
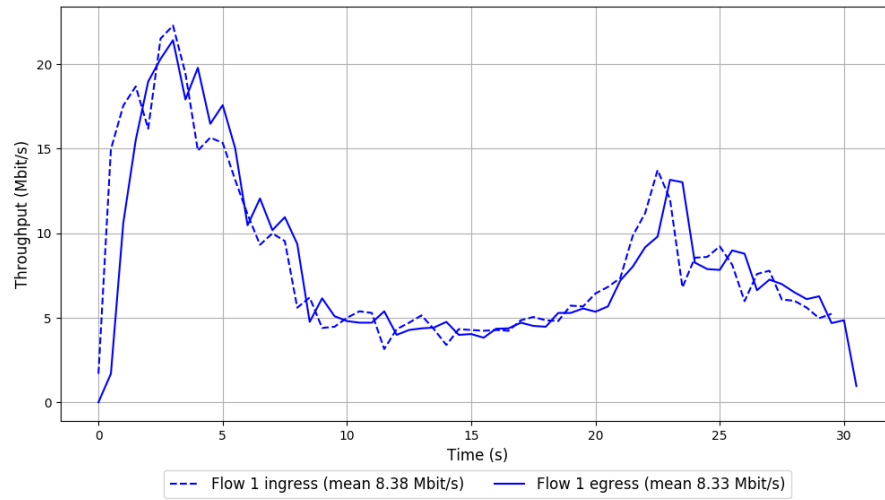


Run 7: Statistics of TCP Cubic

Start at: 2018-06-05 06:42:10
End at: 2018-06-05 06:42:40
Local clock offset: 6.378 ms
Remote clock offset: -2.676 ms

Below is generated by plot.py at 2018-06-05 07:54:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 8.33 Mbit/s
95th percentile per-packet one-way delay: 66.290 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 8.33 Mbit/s
95th percentile per-packet one-way delay: 66.290 ms
Loss rate: 0.67%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-06-05 07:04:02

End at: 2018-06-05 07:04:32

Local clock offset: 5.511 ms

Remote clock offset: -2.011 ms

Below is generated by plot.py at 2018-06-05 07:54:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.36 Mbit/s

95th percentile per-packet one-way delay: 67.245 ms

Loss rate: 0.32%

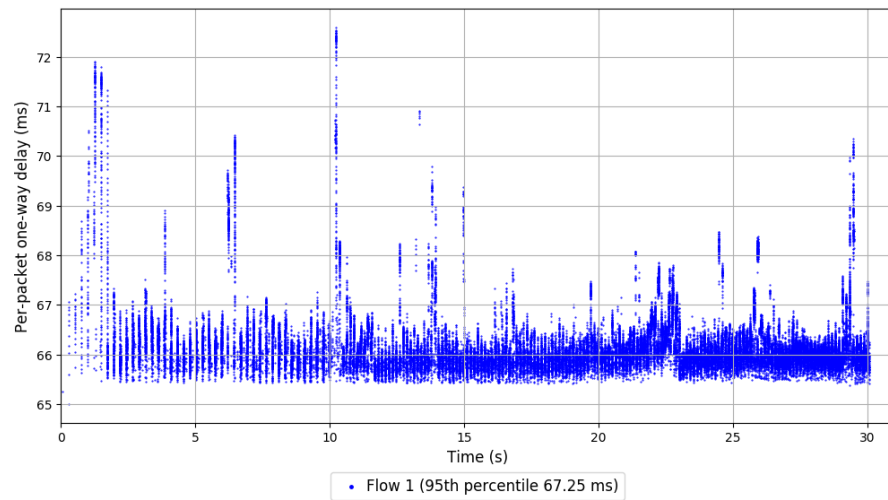
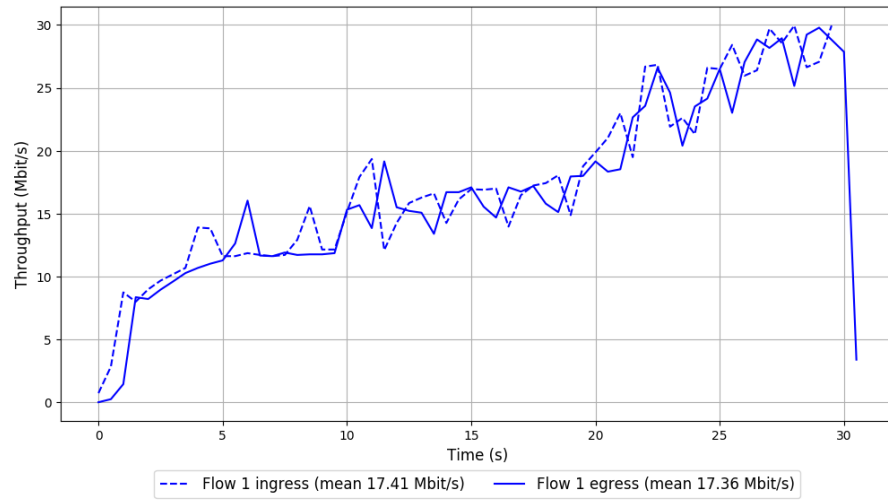
-- Flow 1:

Average throughput: 17.36 Mbit/s

95th percentile per-packet one-way delay: 67.245 ms

Loss rate: 0.32%

Run 8: Report of TCP Cubic — Data Link

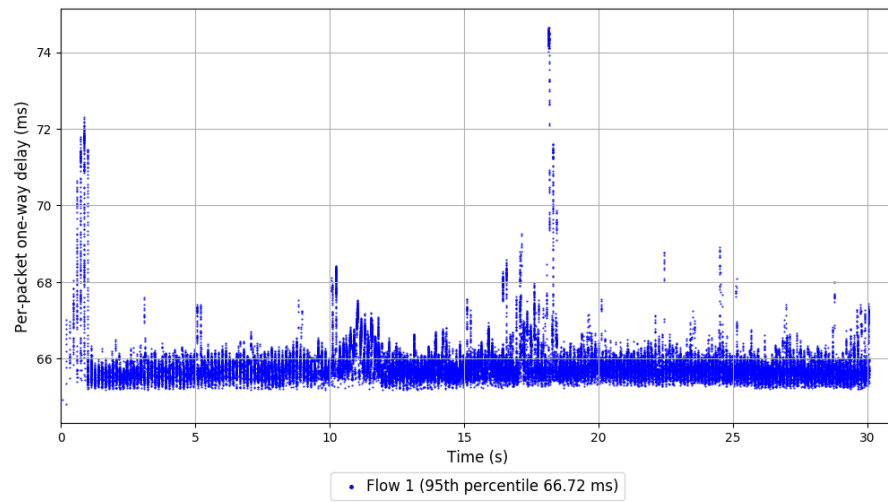
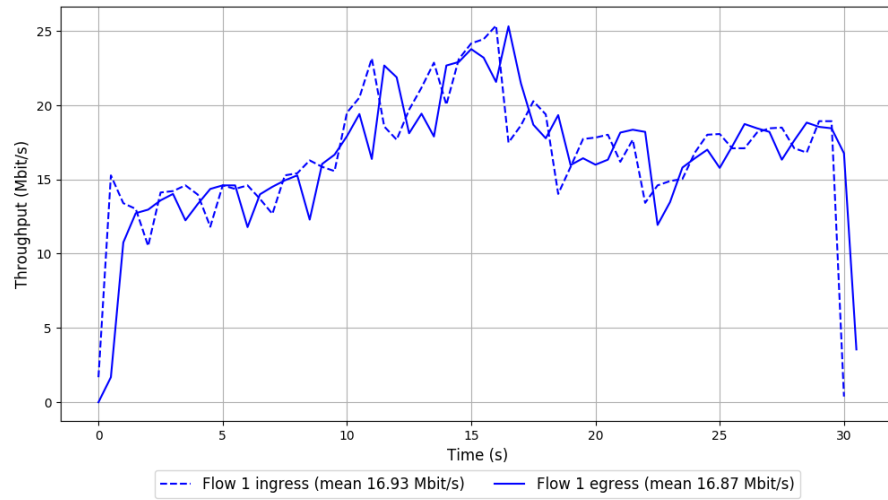


Run 9: Statistics of TCP Cubic

Start at: 2018-06-05 07:25:06
End at: 2018-06-05 07:25:36
Local clock offset: 7.479 ms
Remote clock offset: -3.511 ms

Below is generated by plot.py at 2018-06-05 07:54:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 16.87 Mbit/s
95th percentile per-packet one-way delay: 66.716 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 16.87 Mbit/s
95th percentile per-packet one-way delay: 66.716 ms
Loss rate: 0.31%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-06-05 07:45:58

End at: 2018-06-05 07:46:28

Local clock offset: 7.78 ms

Remote clock offset: -3.703 ms

Below is generated by plot.py at 2018-06-05 07:54:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.10 Mbit/s

95th percentile per-packet one-way delay: 66.046 ms

Loss rate: 0.61%

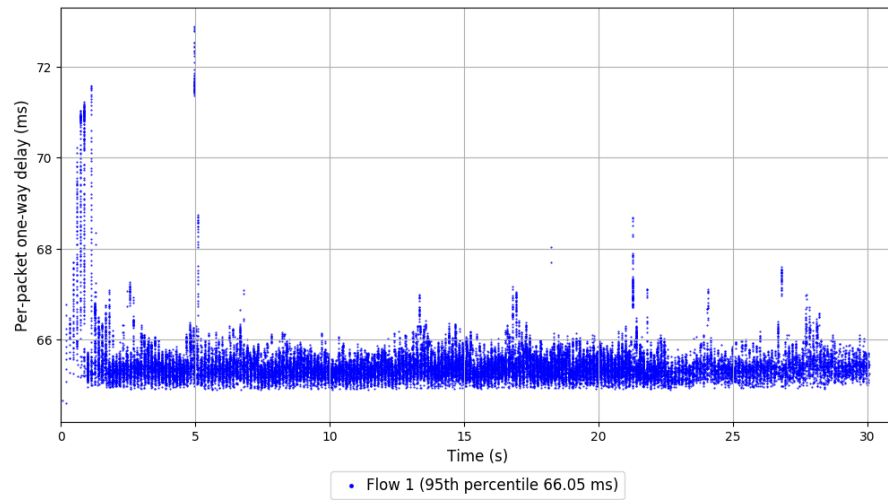
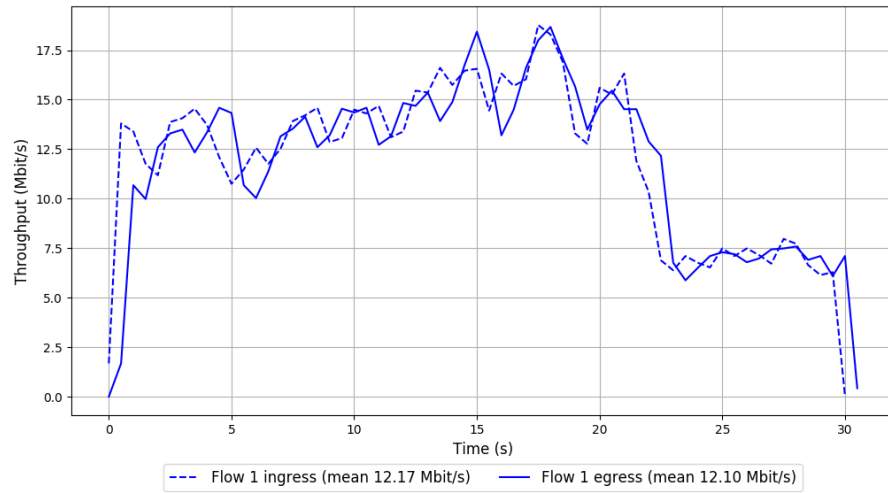
-- Flow 1:

Average throughput: 12.10 Mbit/s

95th percentile per-packet one-way delay: 66.046 ms

Loss rate: 0.61%

Run 10: Report of TCP Cubic — Data Link

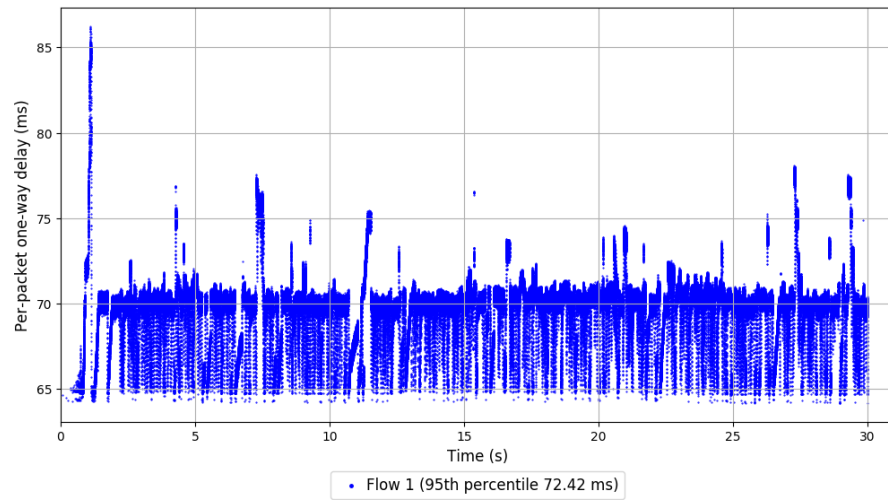
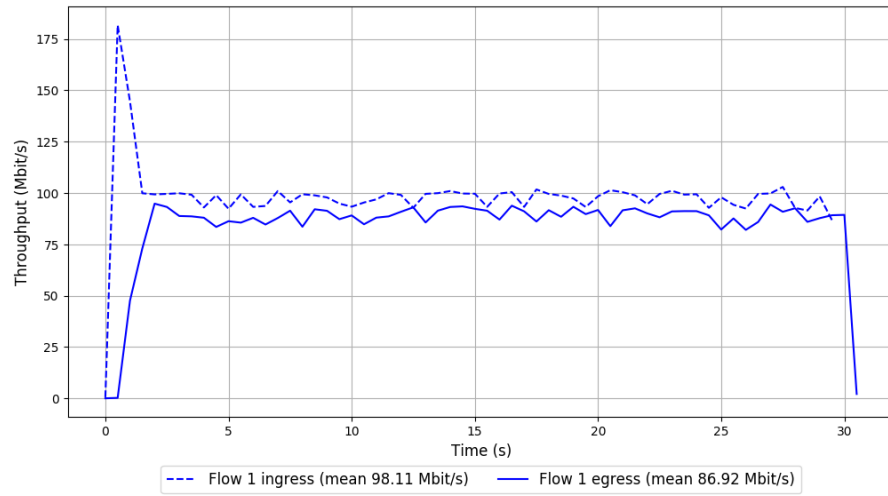


```
Run 1: Statistics of FillP

Start at: 2018-06-05 04:26:00
End at: 2018-06-05 04:26:30
Local clock offset: 7.276 ms
Remote clock offset: -4.712 ms

# Below is generated by plot.py at 2018-06-05 07:54:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.92 Mbit/s
95th percentile per-packet one-way delay: 72.425 ms
Loss rate: 11.40%
-- Flow 1:
Average throughput: 86.92 Mbit/s
95th percentile per-packet one-way delay: 72.425 ms
Loss rate: 11.40%
```

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-06-05 04:46:53

End at: 2018-06-05 04:47:23

Local clock offset: 6.238 ms

Remote clock offset: -3.57 ms

Below is generated by plot.py at 2018-06-05 07:54:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.14 Mbit/s

95th percentile per-packet one-way delay: 72.368 ms

Loss rate: 11.53%

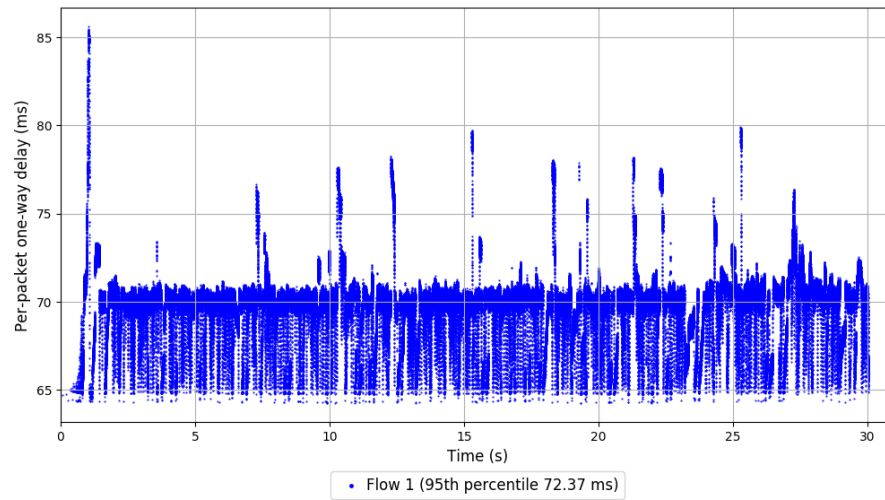
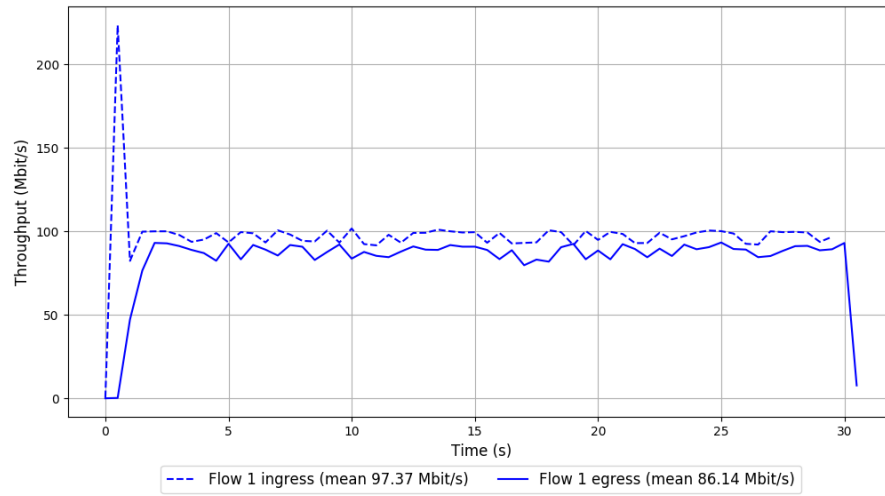
-- Flow 1:

Average throughput: 86.14 Mbit/s

95th percentile per-packet one-way delay: 72.368 ms

Loss rate: 11.53%

Run 2: Report of FillP — Data Link

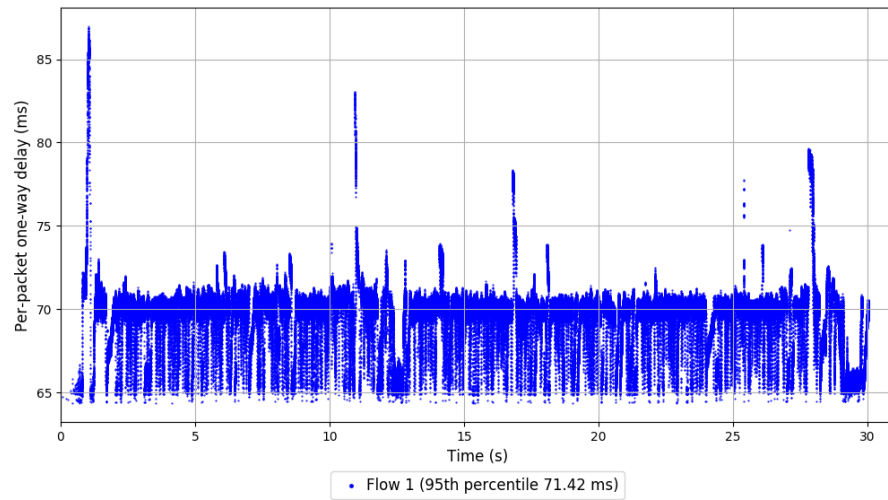
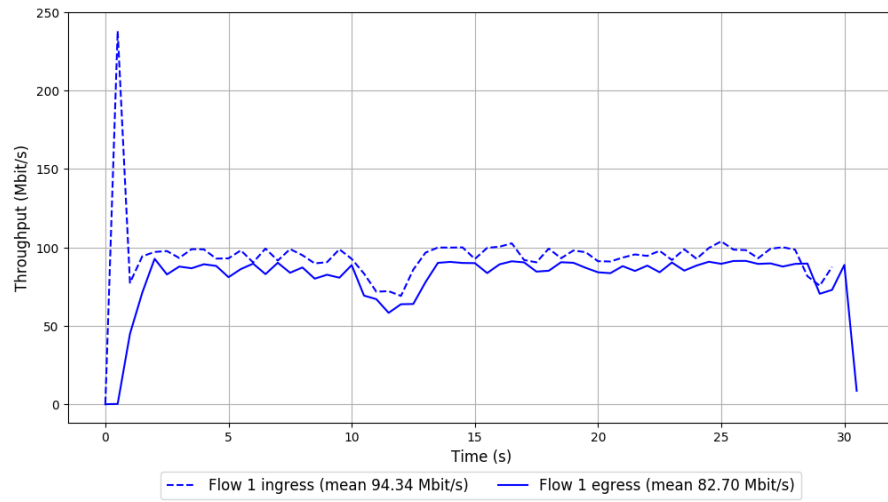


Run 3: Statistics of FillP

Start at: 2018-06-05 05:07:50
End at: 2018-06-05 05:08:20
Local clock offset: 5.269 ms
Remote clock offset: -5.918 ms

Below is generated by plot.py at 2018-06-05 07:54:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.70 Mbit/s
95th percentile per-packet one-way delay: 71.417 ms
Loss rate: 12.32%
-- Flow 1:
Average throughput: 82.70 Mbit/s
95th percentile per-packet one-way delay: 71.417 ms
Loss rate: 12.32%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-06-05 05:28:54

End at: 2018-06-05 05:29:25

Local clock offset: 7.032 ms

Remote clock offset: -5.306 ms

Below is generated by plot.py at 2018-06-05 07:54:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.99 Mbit/s

95th percentile per-packet one-way delay: 72.331 ms

Loss rate: 11.31%

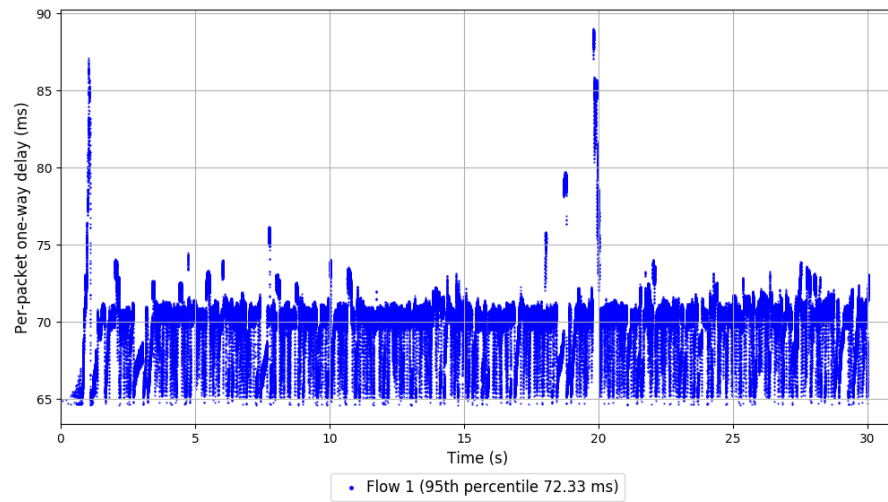
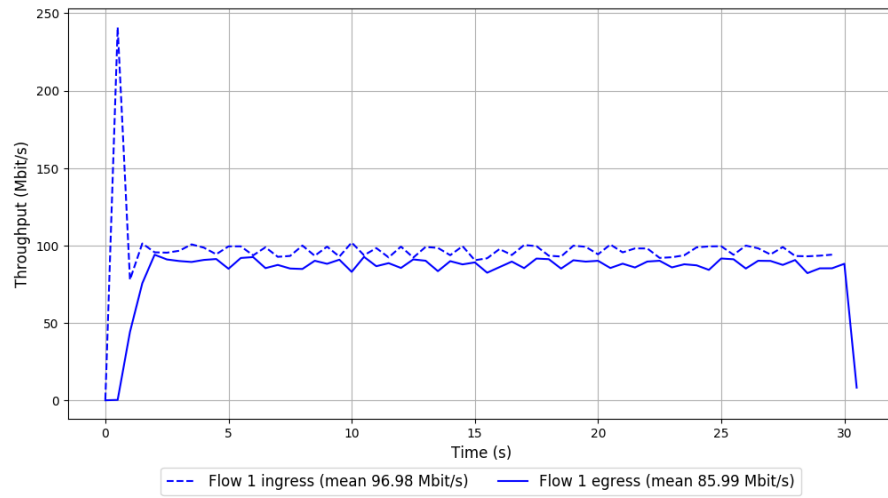
-- Flow 1:

Average throughput: 85.99 Mbit/s

95th percentile per-packet one-way delay: 72.331 ms

Loss rate: 11.31%

Run 4: Report of FillP — Data Link

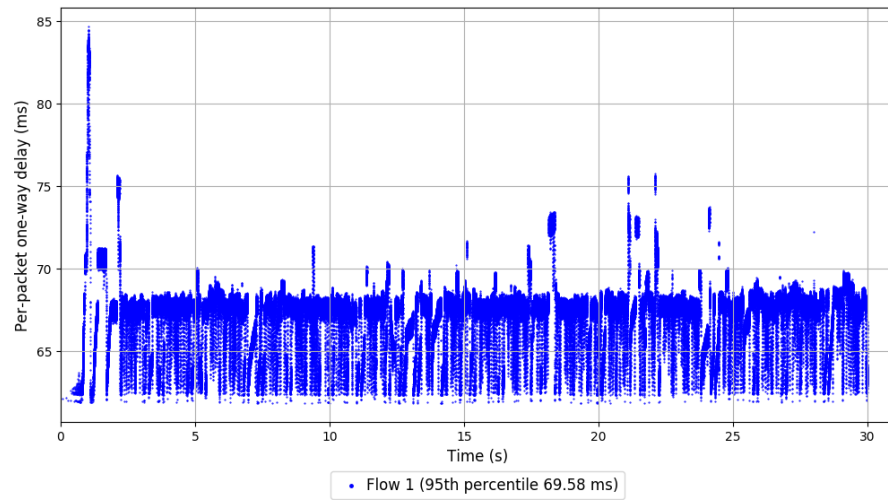
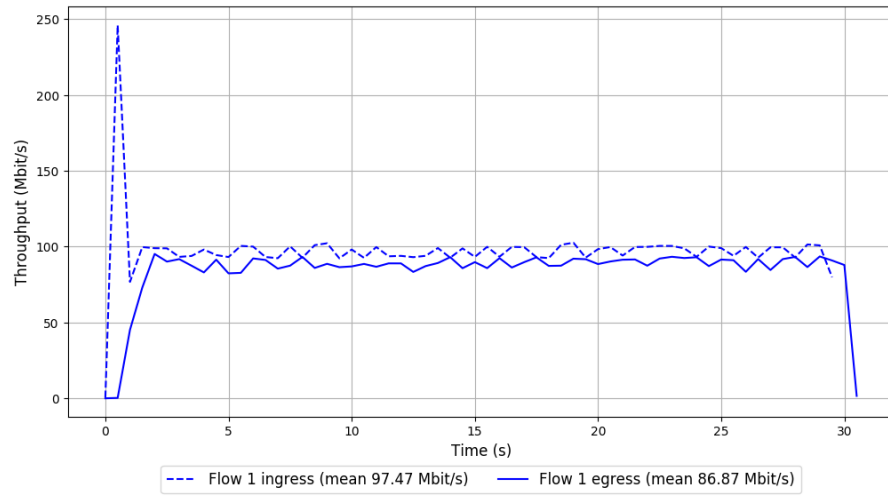


Run 5: Statistics of FillP

Start at: 2018-06-05 05:49:51
End at: 2018-06-05 05:50:21
Local clock offset: 7.429 ms
Remote clock offset: -6.182 ms

Below is generated by plot.py at 2018-06-05 07:54:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.87 Mbit/s
95th percentile per-packet one-way delay: 69.579 ms
Loss rate: 10.86%
-- Flow 1:
Average throughput: 86.87 Mbit/s
95th percentile per-packet one-way delay: 69.579 ms
Loss rate: 10.86%

Run 5: Report of FillP — Data Link

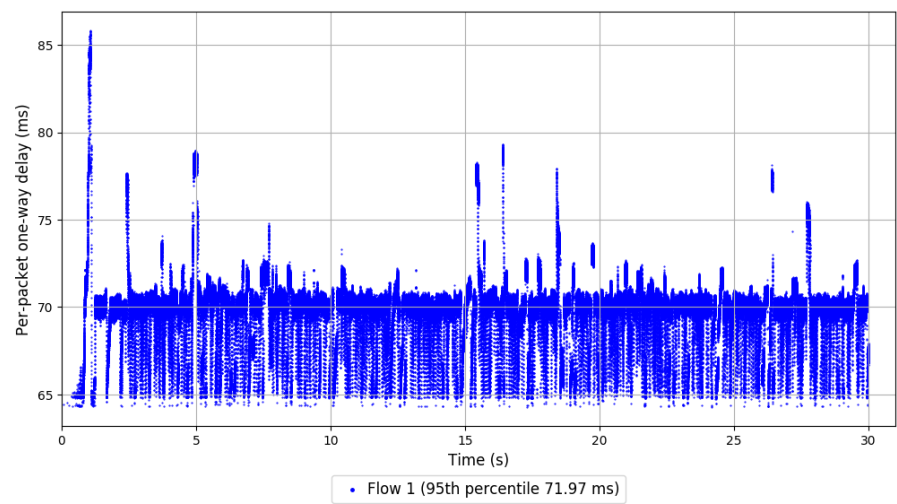
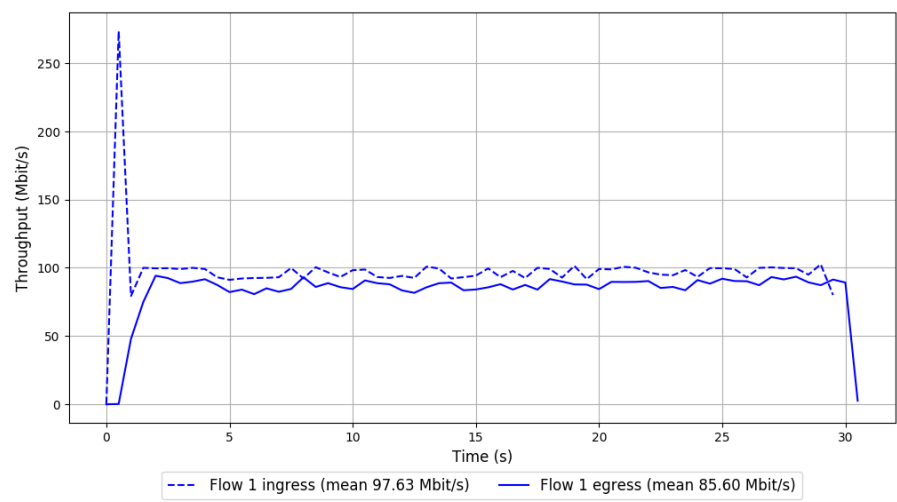


Run 6: Statistics of FillP

Start at: 2018-06-05 06:10:45
End at: 2018-06-05 06:11:15
Local clock offset: 7.474 ms
Remote clock offset: -3.012 ms

Below is generated by plot.py at 2018-06-05 07:54:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.60 Mbit/s
95th percentile per-packet one-way delay: 71.973 ms
Loss rate: 12.31%
-- Flow 1:
Average throughput: 85.60 Mbit/s
95th percentile per-packet one-way delay: 71.973 ms
Loss rate: 12.31%

Run 6: Report of FillP — Data Link

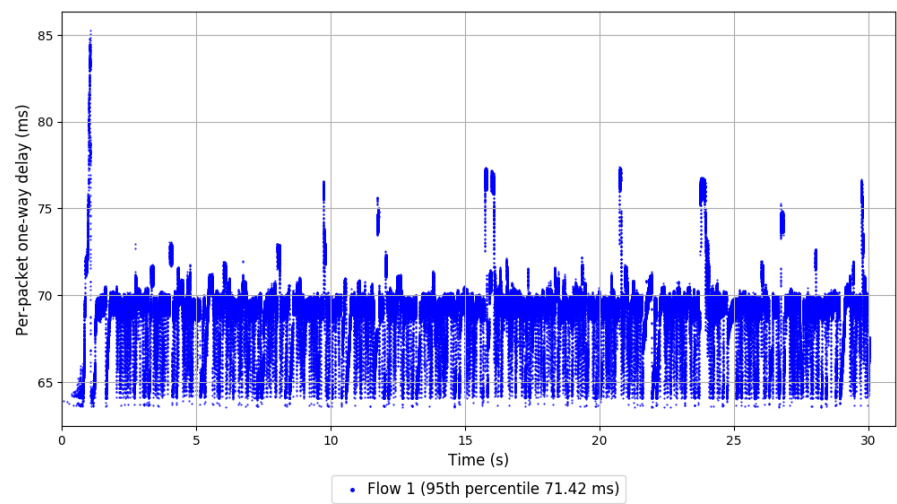
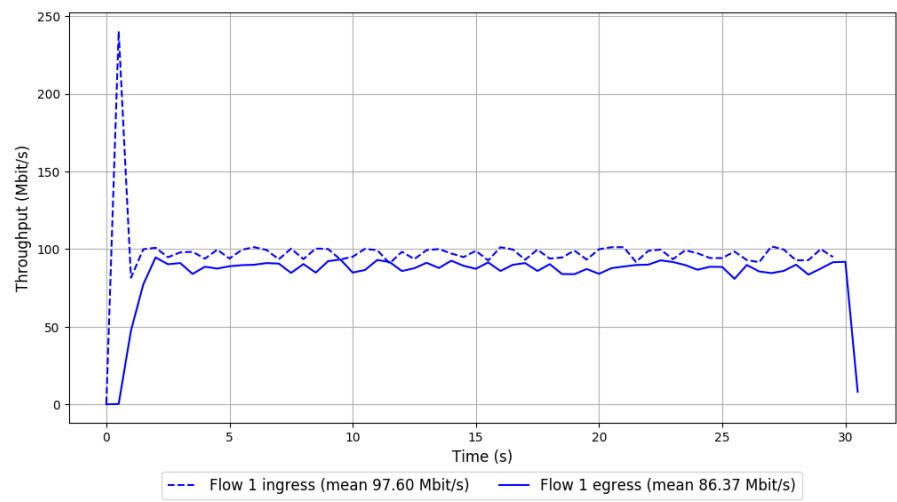


Run 7: Statistics of FillP

Start at: 2018-06-05 06:31:37
End at: 2018-06-05 06:32:07
Local clock offset: 6.741 ms
Remote clock offset: -3.067 ms

Below is generated by plot.py at 2018-06-05 07:55:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.37 Mbit/s
95th percentile per-packet one-way delay: 71.422 ms
Loss rate: 11.49%
-- Flow 1:
Average throughput: 86.37 Mbit/s
95th percentile per-packet one-way delay: 71.422 ms
Loss rate: 11.49%

Run 7: Report of FillP — Data Link

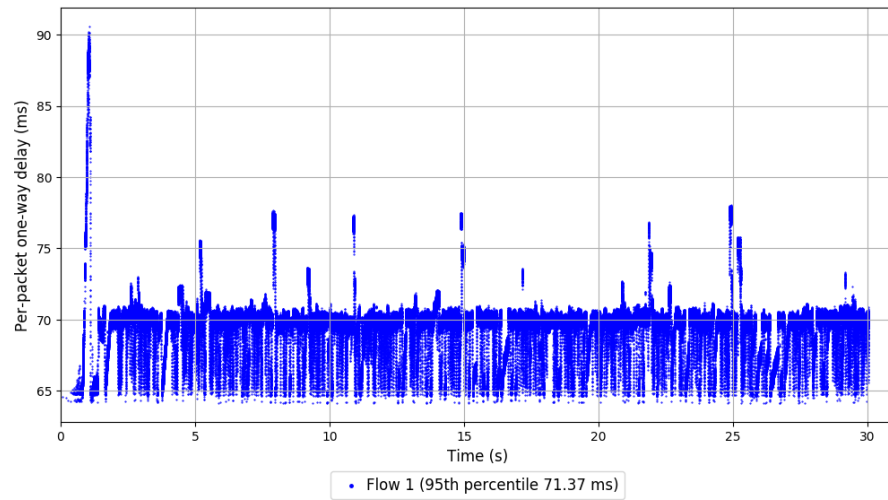
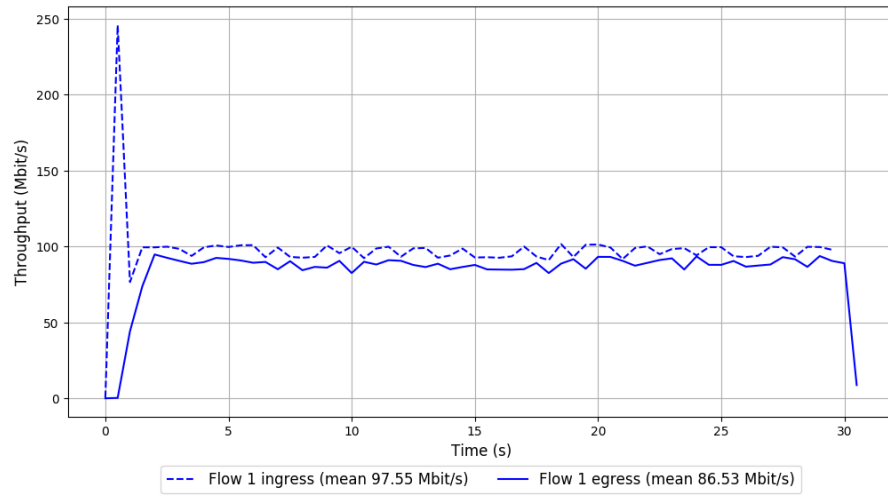


Run 8: Statistics of FillP

Start at: 2018-06-05 06:52:27
End at: 2018-06-05 06:52:57
Local clock offset: 6.036 ms
Remote clock offset: -2.533 ms

Below is generated by plot.py at 2018-06-05 07:55:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.53 Mbit/s
95th percentile per-packet one-way delay: 71.374 ms
Loss rate: 11.28%
-- Flow 1:
Average throughput: 86.53 Mbit/s
95th percentile per-packet one-way delay: 71.374 ms
Loss rate: 11.28%

Run 8: Report of FillP — Data Link

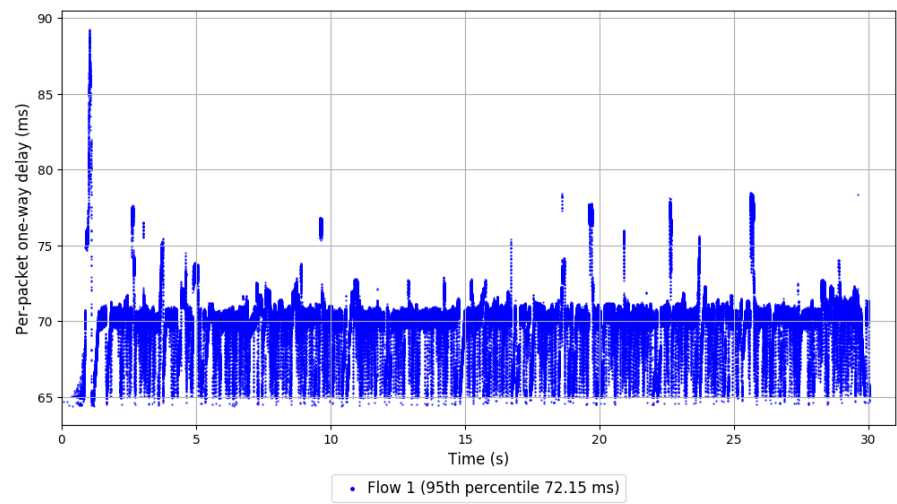
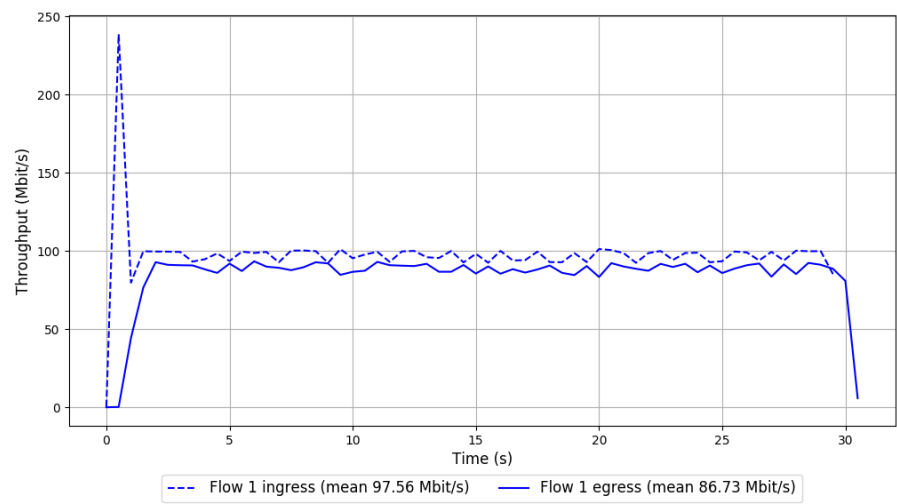


Run 9: Statistics of FillP

Start at: 2018-06-05 07:14:32
End at: 2018-06-05 07:15:02
Local clock offset: 6.372 ms
Remote clock offset: -3.098 ms

Below is generated by plot.py at 2018-06-05 07:55:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.73 Mbit/s
95th percentile per-packet one-way delay: 72.150 ms
Loss rate: 11.10%
-- Flow 1:
Average throughput: 86.73 Mbit/s
95th percentile per-packet one-way delay: 72.150 ms
Loss rate: 11.10%

Run 9: Report of FillP — Data Link

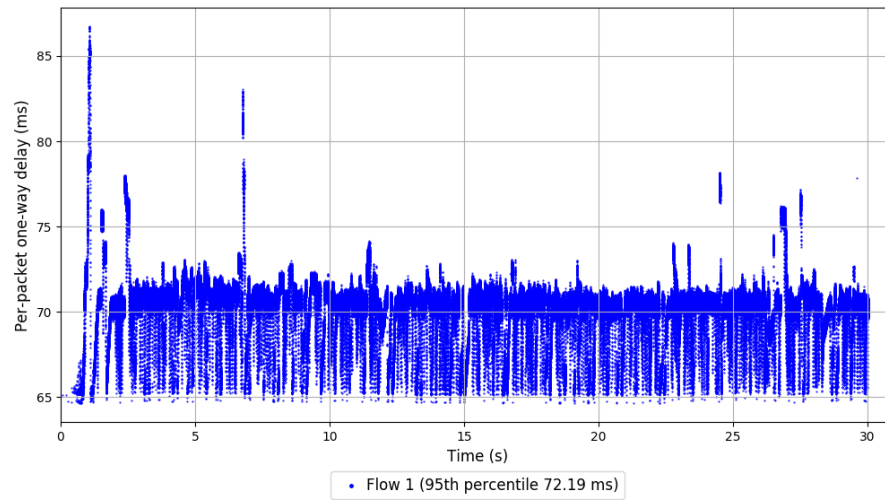
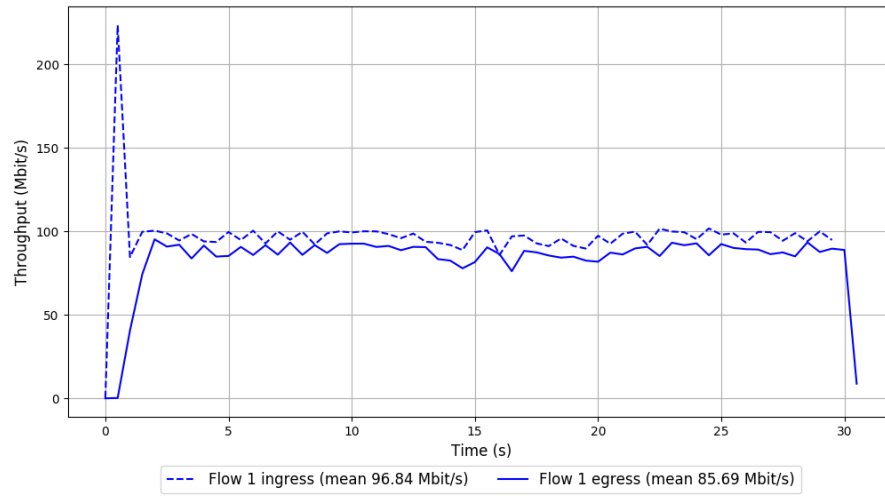


Run 10: Statistics of FillP

Start at: 2018-06-05 07:35:26
End at: 2018-06-05 07:35:56
Local clock offset: 7.734 ms
Remote clock offset: -3.705 ms

Below is generated by plot.py at 2018-06-05 07:55:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.69 Mbit/s
95th percentile per-packet one-way delay: 72.195 ms
Loss rate: 11.50%
-- Flow 1:
Average throughput: 85.69 Mbit/s
95th percentile per-packet one-way delay: 72.195 ms
Loss rate: 11.50%

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo

Start at: 2018-06-05 04:27:19
End at: 2018-06-05 04:27:49
Local clock offset: 7.247 ms
Remote clock offset: -4.508 ms

Below is generated by plot.py at 2018-06-05 07:55:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.51 Mbit/s

95th percentile per-packet one-way delay: 71.416 ms

Loss rate: 6.53%

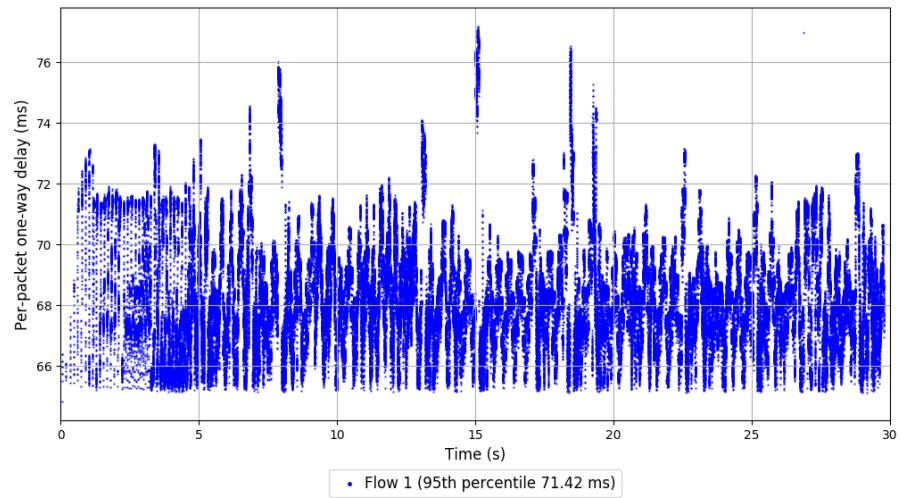
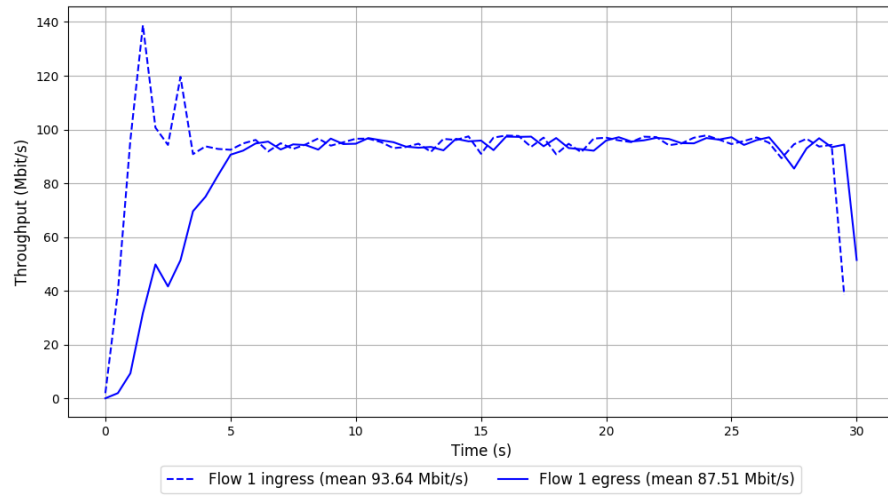
-- Flow 1:

Average throughput: 87.51 Mbit/s

95th percentile per-packet one-way delay: 71.416 ms

Loss rate: 6.53%

Run 1: Report of Indigo — Data Link

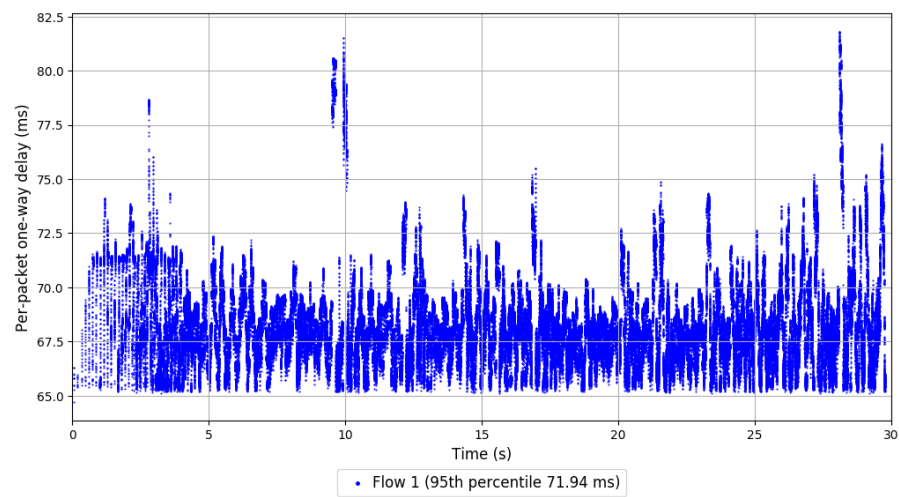
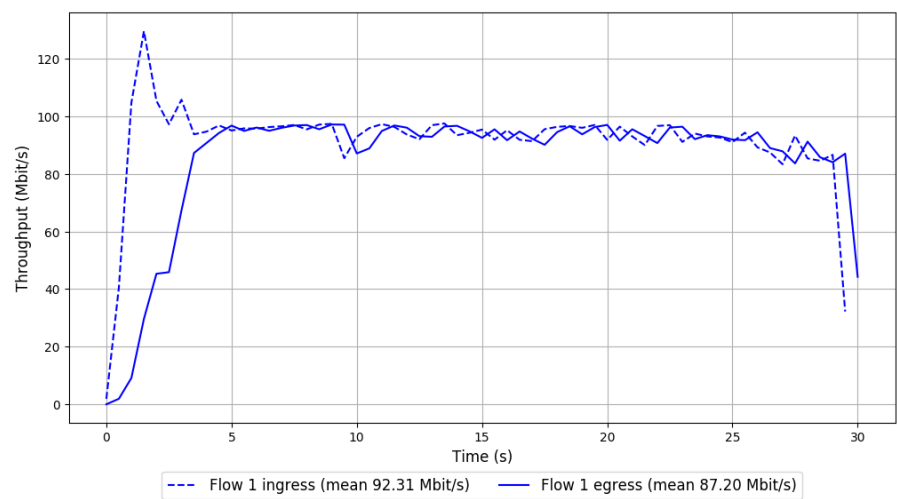


Run 2: Statistics of Indigo

Start at: 2018-06-05 04:48:12
End at: 2018-06-05 04:48:42
Local clock offset: 6.201 ms
Remote clock offset: -3.398 ms

Below is generated by plot.py at 2018-06-05 07:55:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.20 Mbit/s
95th percentile per-packet one-way delay: 71.935 ms
Loss rate: 5.54%
-- Flow 1:
Average throughput: 87.20 Mbit/s
95th percentile per-packet one-way delay: 71.935 ms
Loss rate: 5.54%

Run 2: Report of Indigo — Data Link

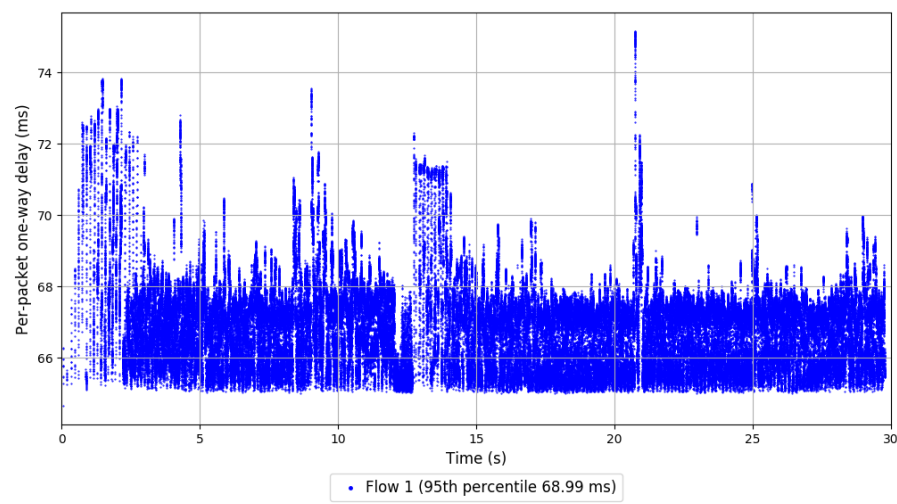
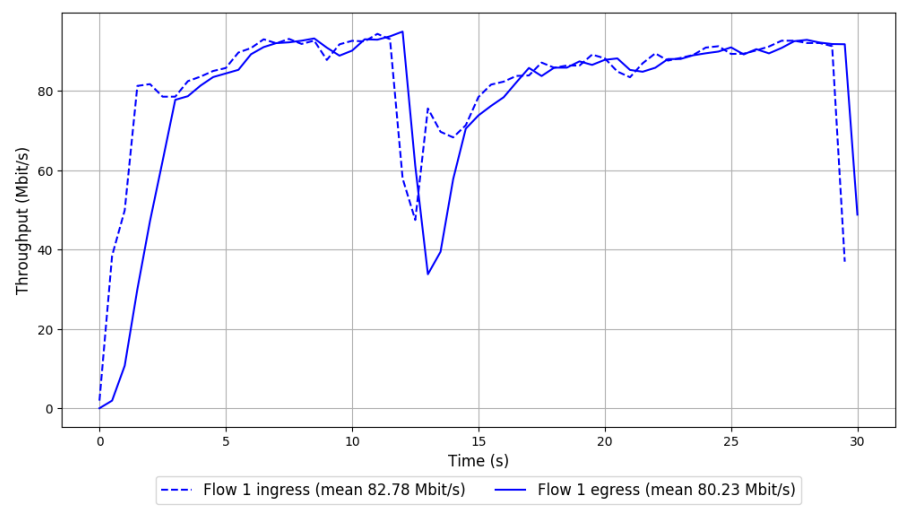


Run 3: Statistics of Indigo

Start at: 2018-06-05 05:09:19
End at: 2018-06-05 05:09:49
Local clock offset: 5.25 ms
Remote clock offset: -5.904 ms

Below is generated by plot.py at 2018-06-05 07:55:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.23 Mbit/s
95th percentile per-packet one-way delay: 68.989 ms
Loss rate: 3.08%
-- Flow 1:
Average throughput: 80.23 Mbit/s
95th percentile per-packet one-way delay: 68.989 ms
Loss rate: 3.08%

Run 3: Report of Indigo — Data Link

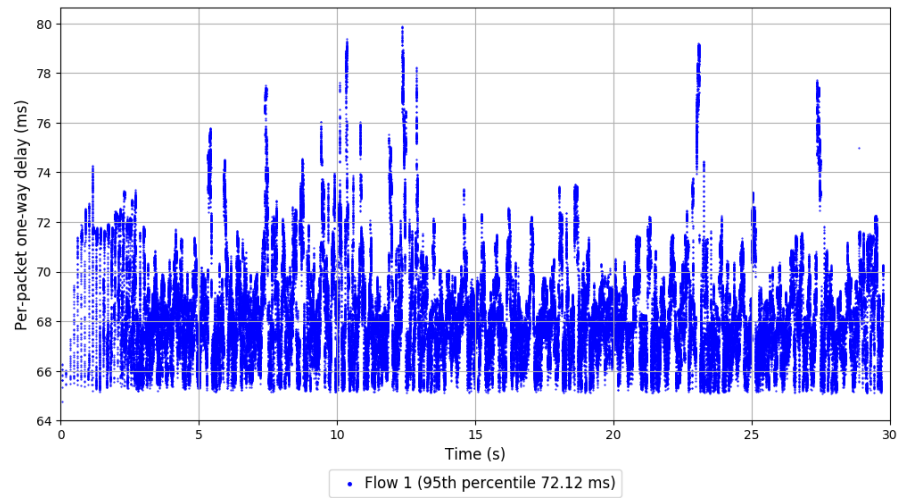
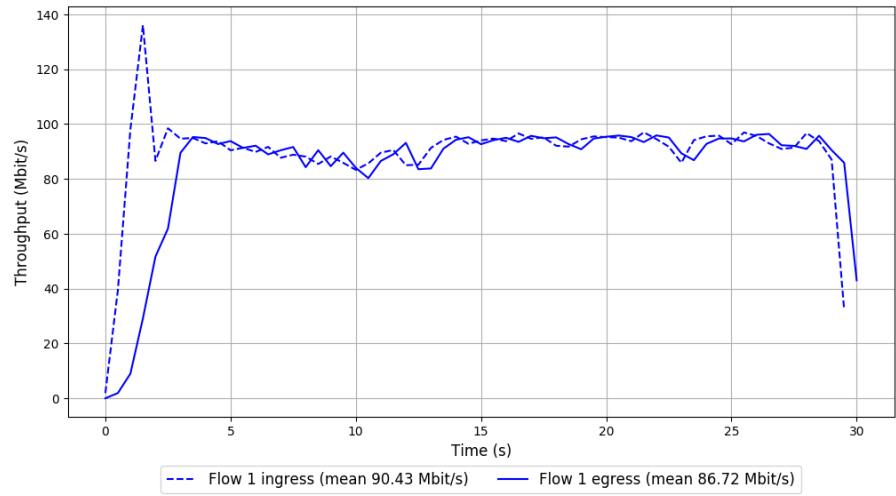


Run 4: Statistics of Indigo

Start at: 2018-06-05 05:30:14
End at: 2018-06-05 05:30:44
Local clock offset: 7.309 ms
Remote clock offset: -5.123 ms

Below is generated by plot.py at 2018-06-05 07:56:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.72 Mbit/s
95th percentile per-packet one-way delay: 72.122 ms
Loss rate: 4.09%
-- Flow 1:
Average throughput: 86.72 Mbit/s
95th percentile per-packet one-way delay: 72.122 ms
Loss rate: 4.09%

Run 4: Report of Indigo — Data Link

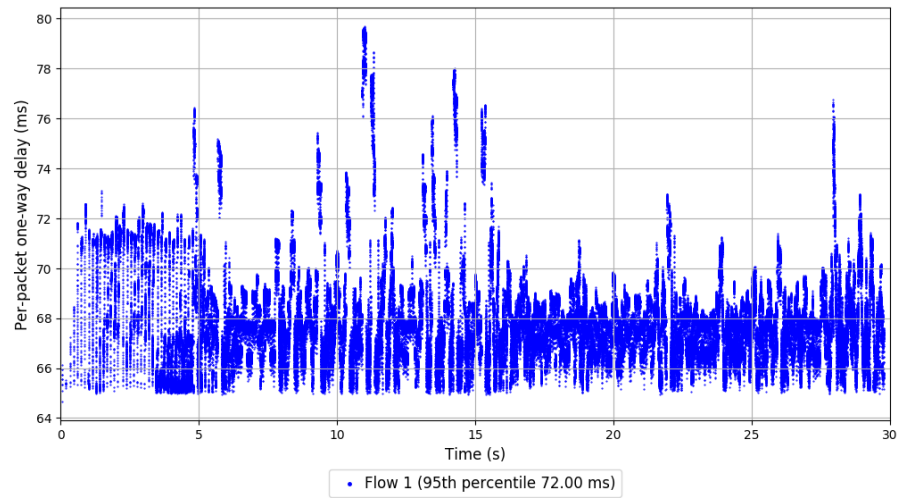
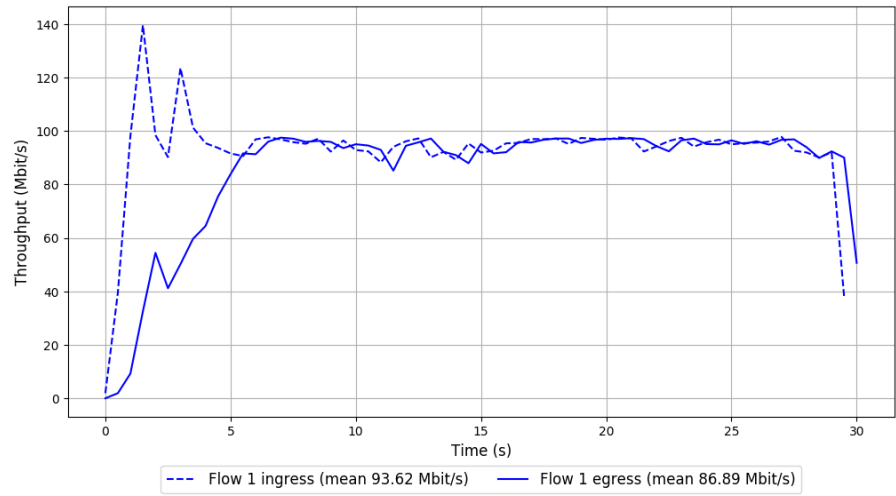


Run 5: Statistics of Indigo

Start at: 2018-06-05 05:51:10
End at: 2018-06-05 05:51:40
Local clock offset: 7.46 ms
Remote clock offset: -3.238 ms

Below is generated by plot.py at 2018-06-05 07:56:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.89 Mbit/s
95th percentile per-packet one-way delay: 72.001 ms
Loss rate: 7.18%
-- Flow 1:
Average throughput: 86.89 Mbit/s
95th percentile per-packet one-way delay: 72.001 ms
Loss rate: 7.18%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-06-05 06:12:04

End at: 2018-06-05 06:12:34

Local clock offset: 7.234 ms

Remote clock offset: -3.009 ms

Below is generated by plot.py at 2018-06-05 07:56:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.66 Mbit/s

95th percentile per-packet one-way delay: 73.040 ms

Loss rate: 5.64%

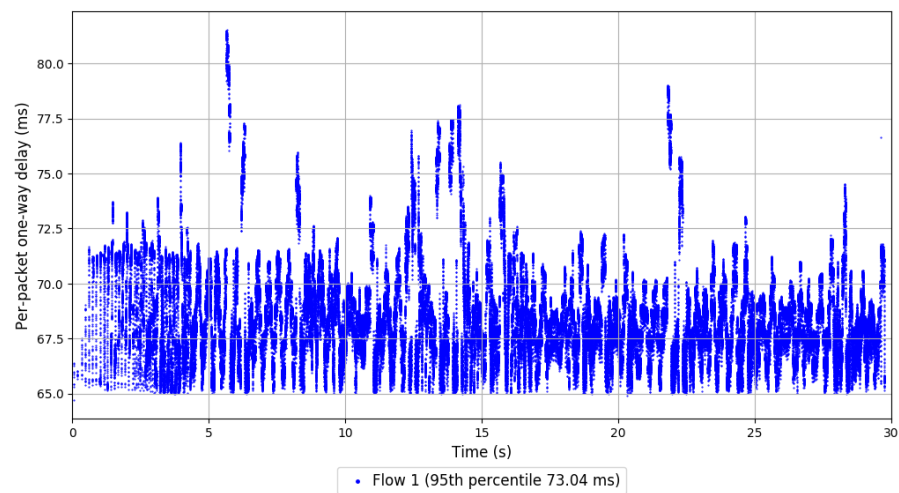
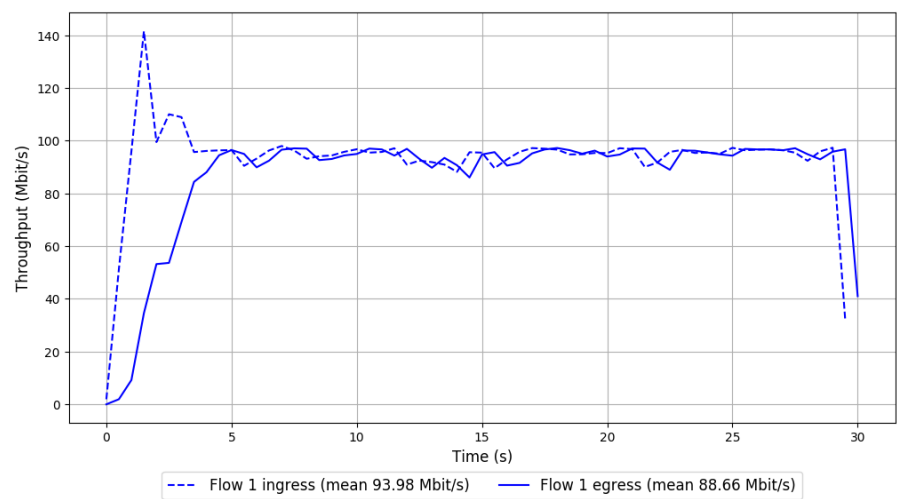
-- Flow 1:

Average throughput: 88.66 Mbit/s

95th percentile per-packet one-way delay: 73.040 ms

Loss rate: 5.64%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-06-05 06:32:56

End at: 2018-06-05 06:33:26

Local clock offset: 6.6 ms

Remote clock offset: -2.411 ms

Below is generated by plot.py at 2018-06-05 07:56:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.84 Mbit/s

95th percentile per-packet one-way delay: 71.729 ms

Loss rate: 5.04%

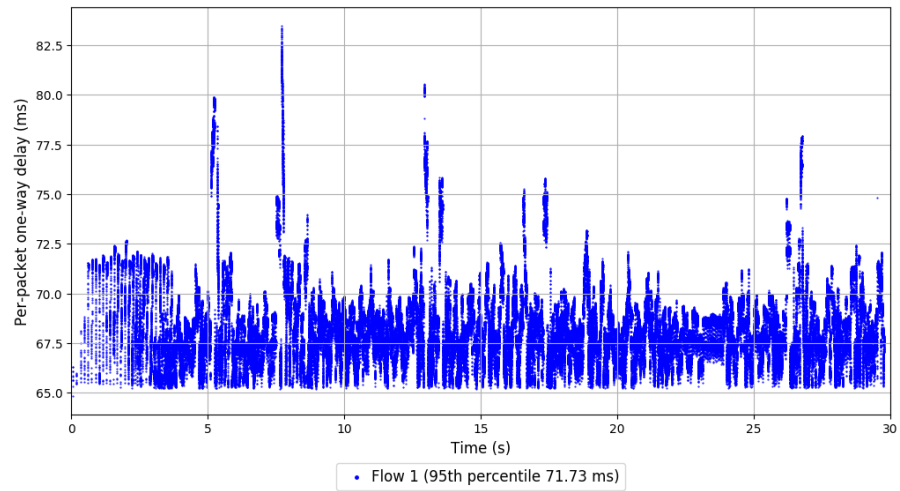
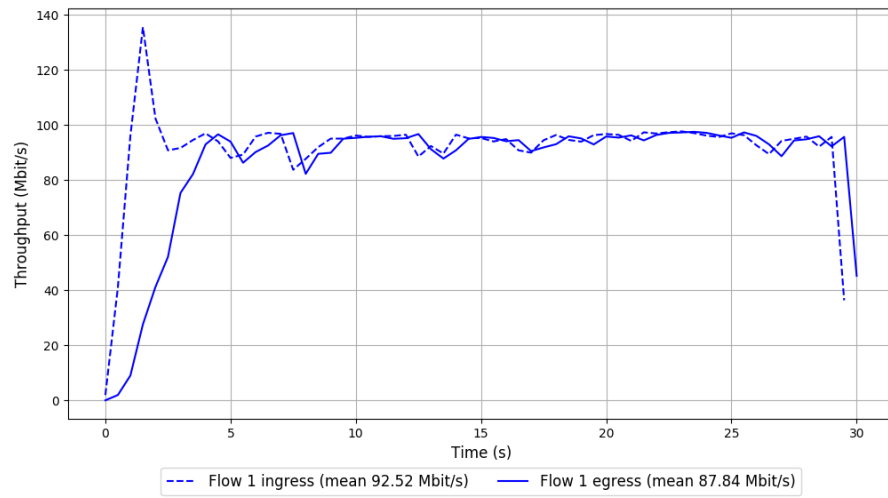
-- Flow 1:

Average throughput: 87.84 Mbit/s

95th percentile per-packet one-way delay: 71.729 ms

Loss rate: 5.04%

Run 7: Report of Indigo — Data Link

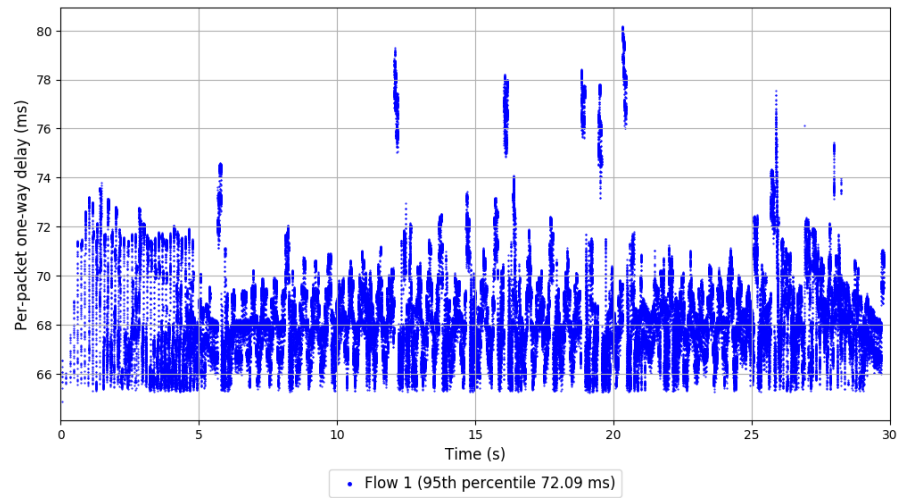
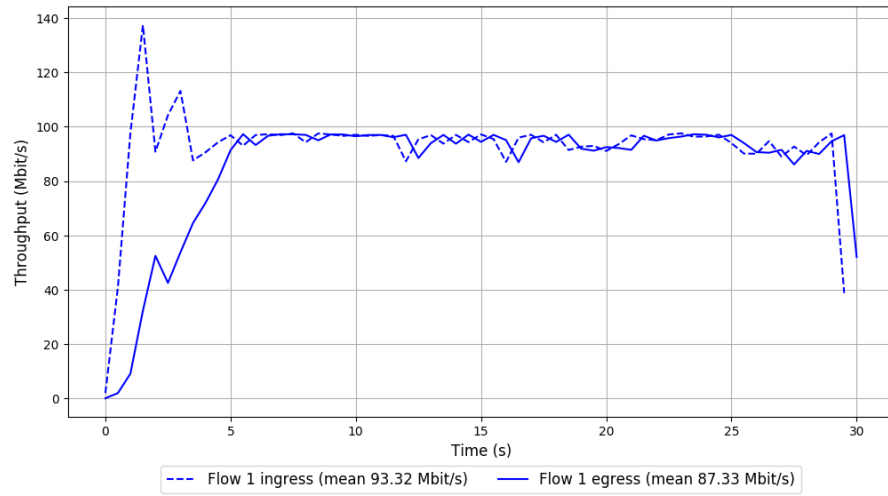


Run 8: Statistics of Indigo

Start at: 2018-06-05 06:53:47
End at: 2018-06-05 06:54:17
Local clock offset: 5.868 ms
Remote clock offset: -2.374 ms

Below is generated by plot.py at 2018-06-05 07:57:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.33 Mbit/s
95th percentile per-packet one-way delay: 72.086 ms
Loss rate: 6.41%
-- Flow 1:
Average throughput: 87.33 Mbit/s
95th percentile per-packet one-way delay: 72.086 ms
Loss rate: 6.41%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-06-05 07:15:51

End at: 2018-06-05 07:16:21

Local clock offset: 6.468 ms

Remote clock offset: -3.18 ms

Below is generated by plot.py at 2018-06-05 07:57:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.24 Mbit/s

95th percentile per-packet one-way delay: 73.337 ms

Loss rate: 7.13%

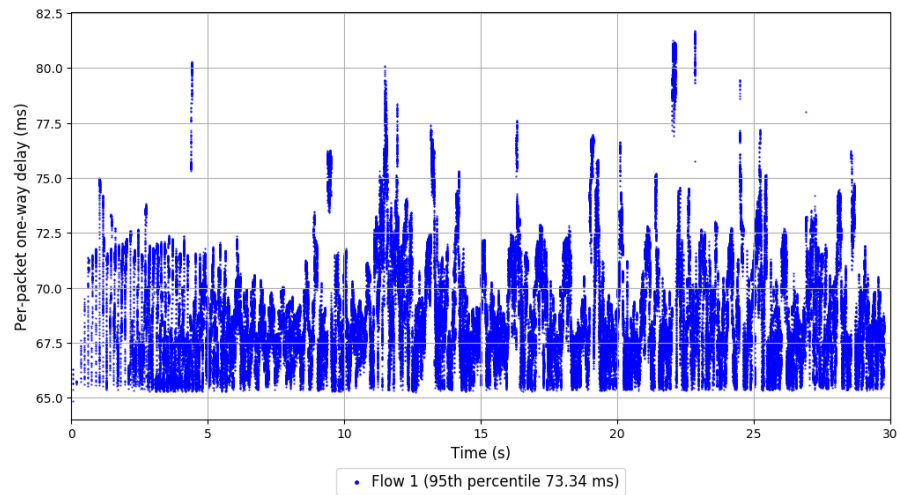
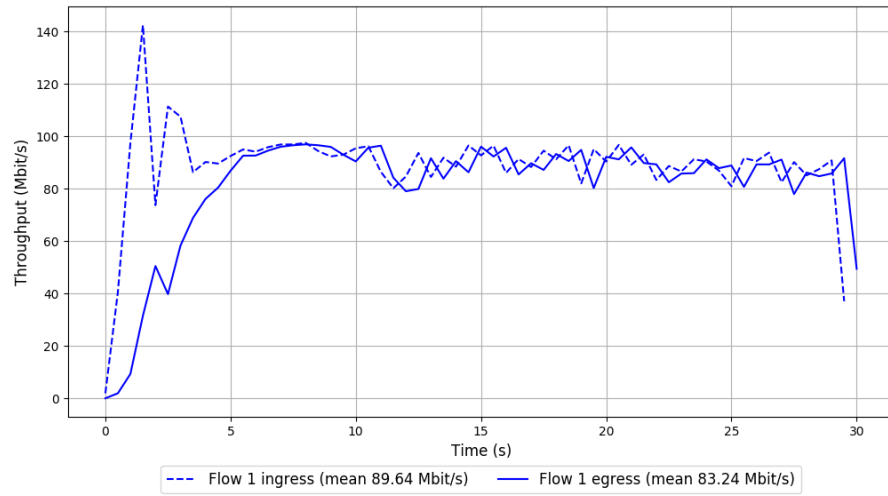
-- Flow 1:

Average throughput: 83.24 Mbit/s

95th percentile per-packet one-way delay: 73.337 ms

Loss rate: 7.13%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-06-05 07:36:45

End at: 2018-06-05 07:37:15

Local clock offset: 7.777 ms

Remote clock offset: -3.58 ms

Below is generated by plot.py at 2018-06-05 07:57:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.59 Mbit/s

95th percentile per-packet one-way delay: 73.263 ms

Loss rate: 5.30%

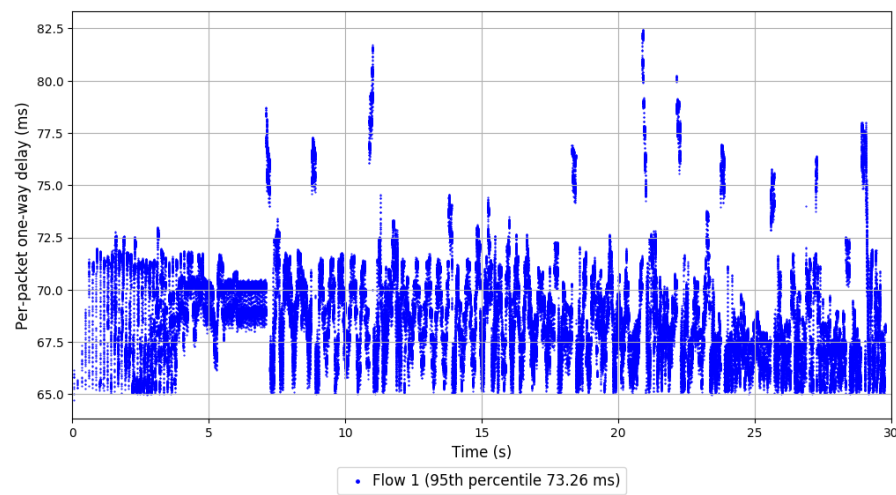
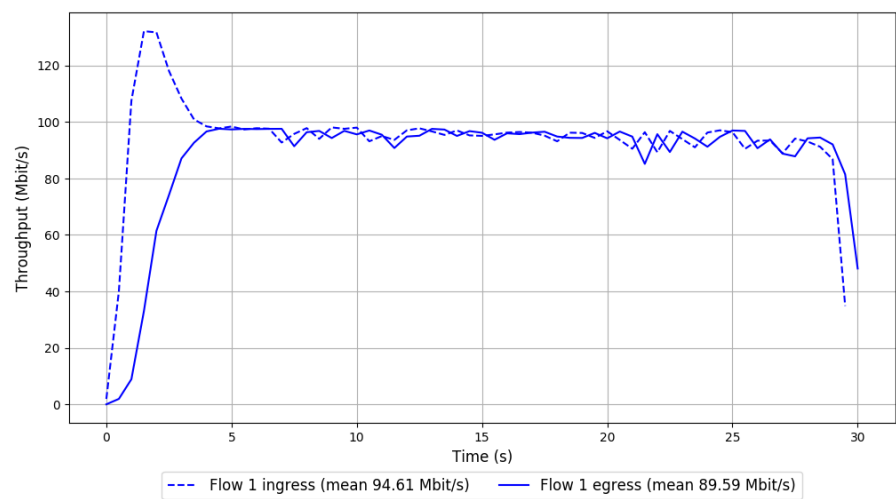
-- Flow 1:

Average throughput: 89.59 Mbit/s

95th percentile per-packet one-way delay: 73.263 ms

Loss rate: 5.30%

Run 10: Report of Indigo — Data Link

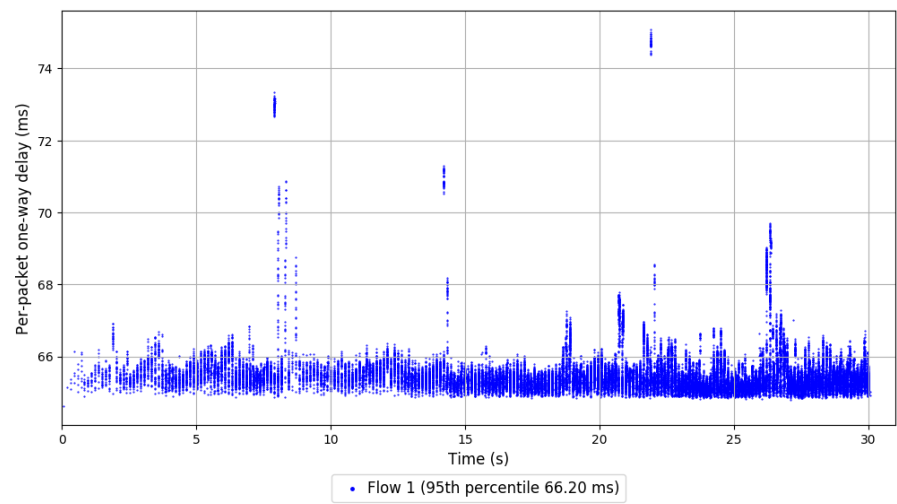
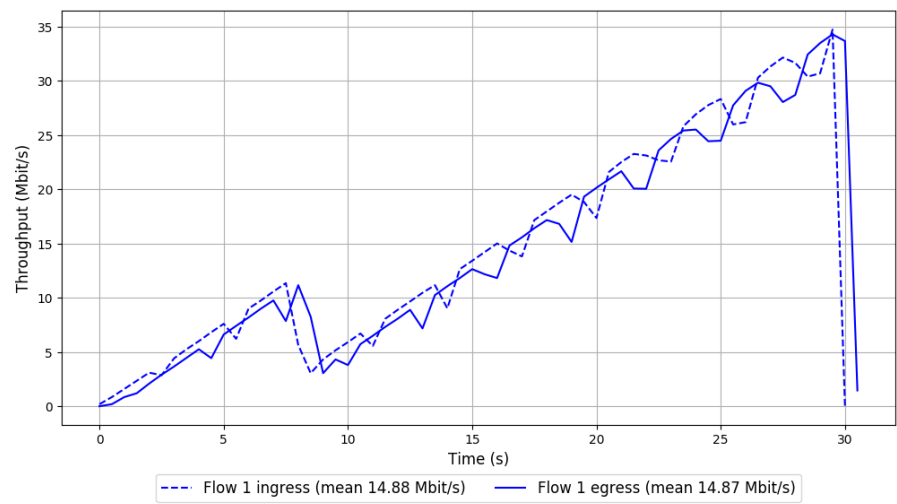


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-05 04:32:38
End at: 2018-06-05 04:33:08
Local clock offset: 7.058 ms
Remote clock offset: -4.06 ms

# Below is generated by plot.py at 2018-06-05 07:57:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.87 Mbit/s
95th percentile per-packet one-way delay: 66.200 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 14.87 Mbit/s
95th percentile per-packet one-way delay: 66.200 ms
Loss rate: 0.03%
```

Run 1: Report of LEDBAT — Data Link

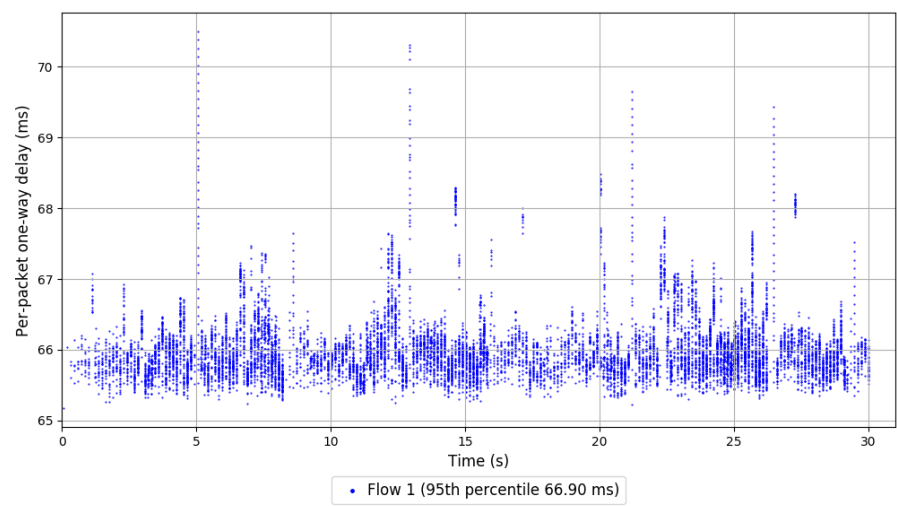
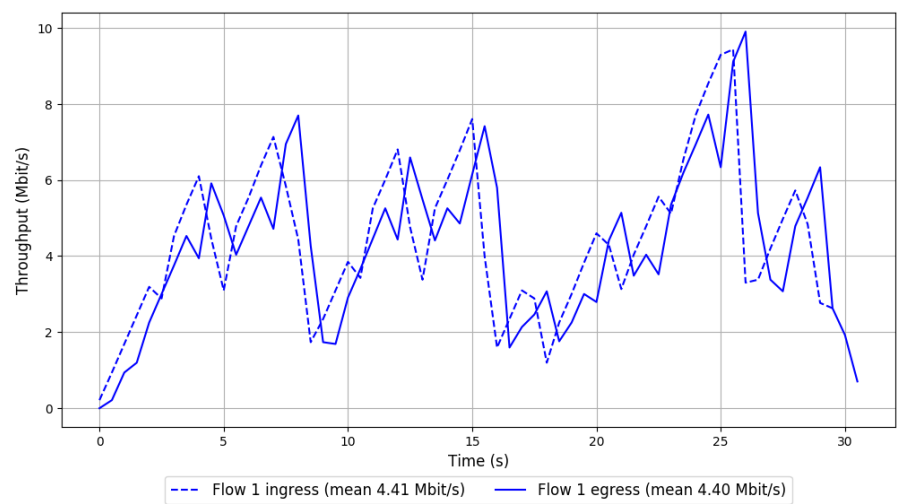


Run 2: Statistics of LEDBAT

Start at: 2018-06-05 04:53:32
End at: 2018-06-05 04:54:02
Local clock offset: 5.811 ms
Remote clock offset: -4.114 ms

Below is generated by plot.py at 2018-06-05 07:57:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 66.904 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 66.904 ms
Loss rate: 0.28%

Run 2: Report of LEDBAT — Data Link

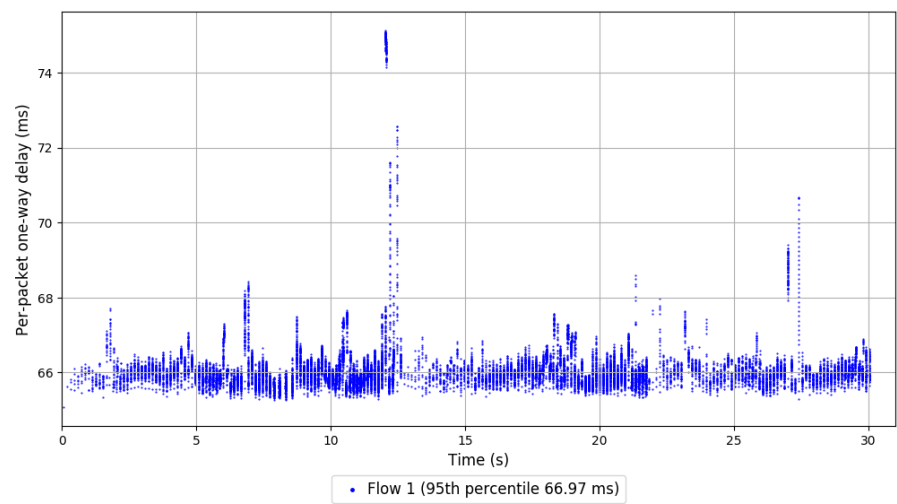
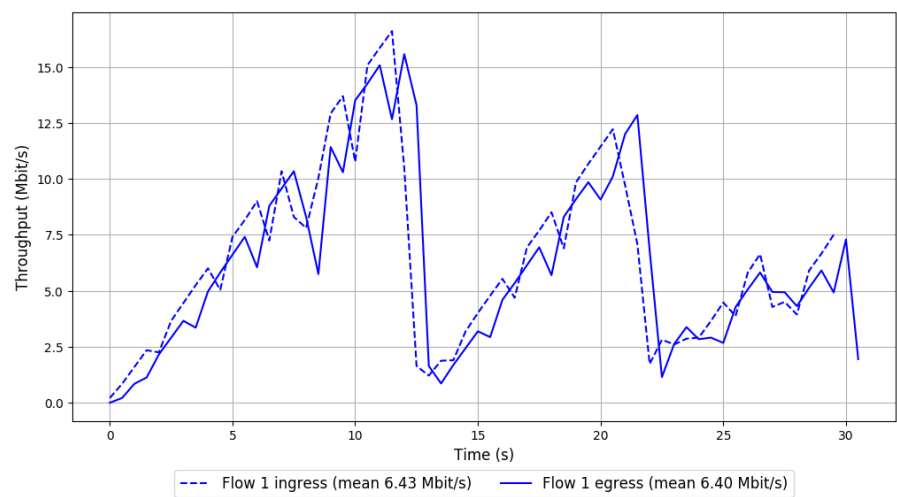


Run 3: Statistics of LEDBAT

Start at: 2018-06-05 05:14:40
End at: 2018-06-05 05:15:10
Local clock offset: 6.184 ms
Remote clock offset: -6.078 ms

Below is generated by plot.py at 2018-06-05 07:57:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.40 Mbit/s
95th percentile per-packet one-way delay: 66.969 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 6.40 Mbit/s
95th percentile per-packet one-way delay: 66.969 ms
Loss rate: 0.45%

Run 3: Report of LEDBAT — Data Link

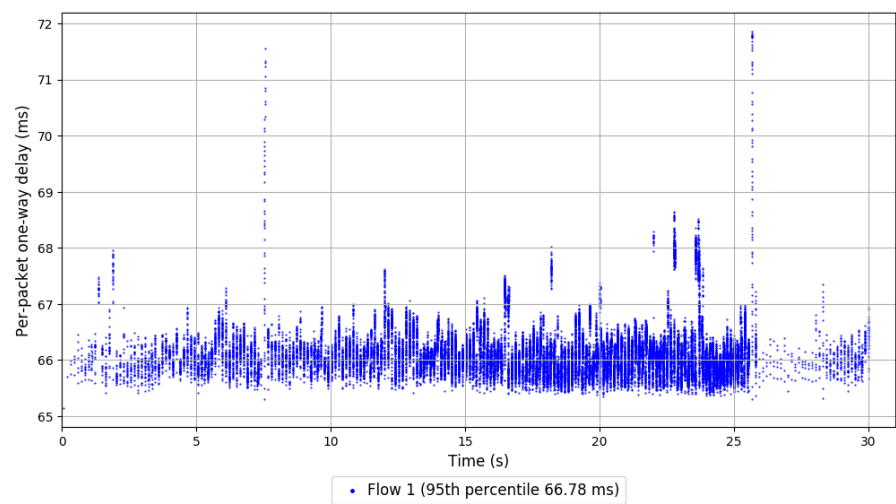
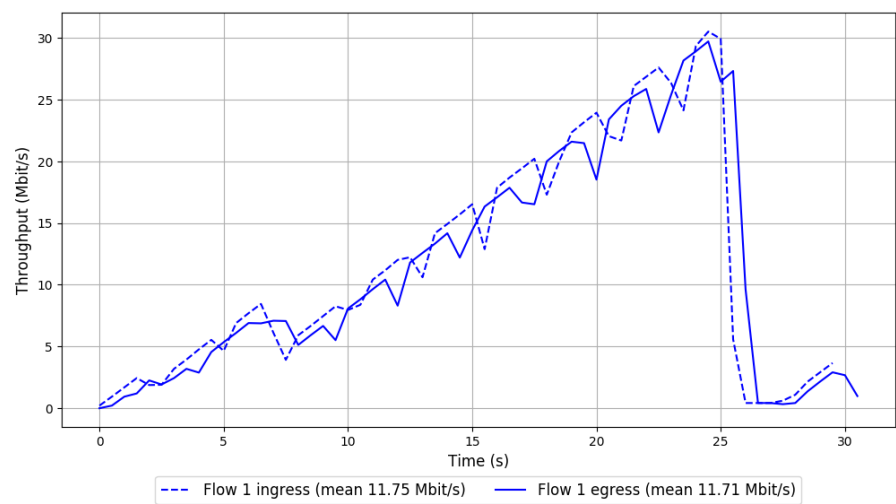


Run 4: Statistics of LEDBAT

Start at: 2018-06-05 05:35:32
End at: 2018-06-05 05:36:03
Local clock offset: 7.195 ms
Remote clock offset: -4.406 ms

Below is generated by plot.py at 2018-06-05 07:57:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.71 Mbit/s
95th percentile per-packet one-way delay: 66.783 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 11.71 Mbit/s
95th percentile per-packet one-way delay: 66.783 ms
Loss rate: 0.39%

Run 4: Report of LEDBAT — Data Link

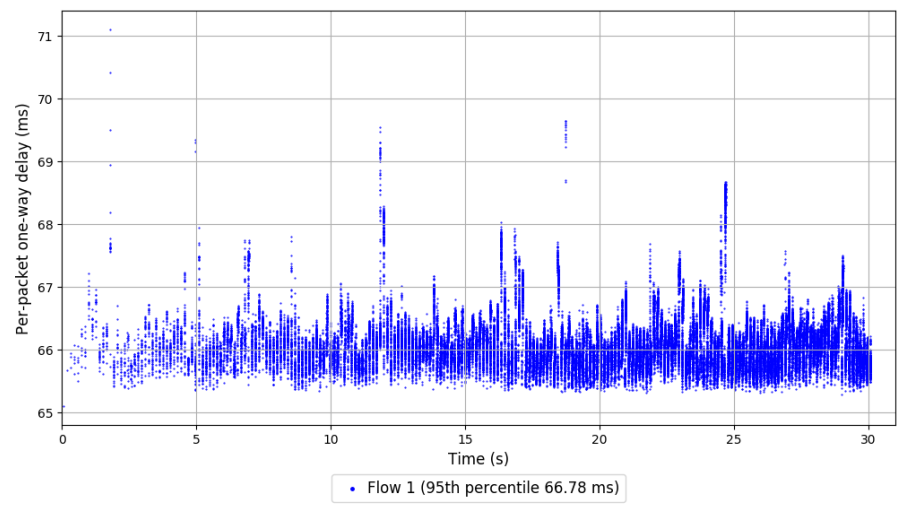
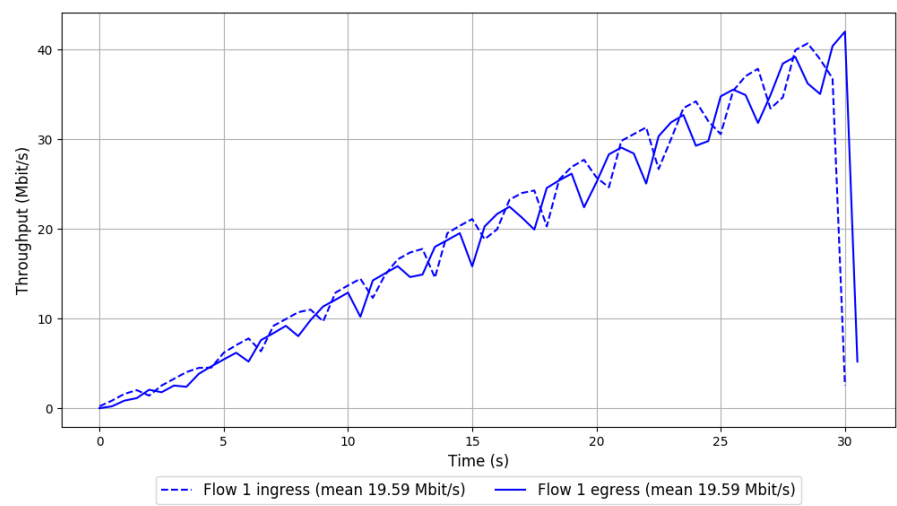


Run 5: Statistics of LEDBAT

Start at: 2018-06-05 05:56:30
End at: 2018-06-05 05:57:00
Local clock offset: 7.321 ms
Remote clock offset: -2.992 ms

Below is generated by plot.py at 2018-06-05 07:57:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.59 Mbit/s
95th percentile per-packet one-way delay: 66.777 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 19.59 Mbit/s
95th percentile per-packet one-way delay: 66.777 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-06-05 06:17:23

End at: 2018-06-05 06:17:53

Local clock offset: 6.878 ms

Remote clock offset: -2.82 ms

Below is generated by plot.py at 2018-06-05 07:57:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.84 Mbit/s

95th percentile per-packet one-way delay: 67.070 ms

Loss rate: 0.02%

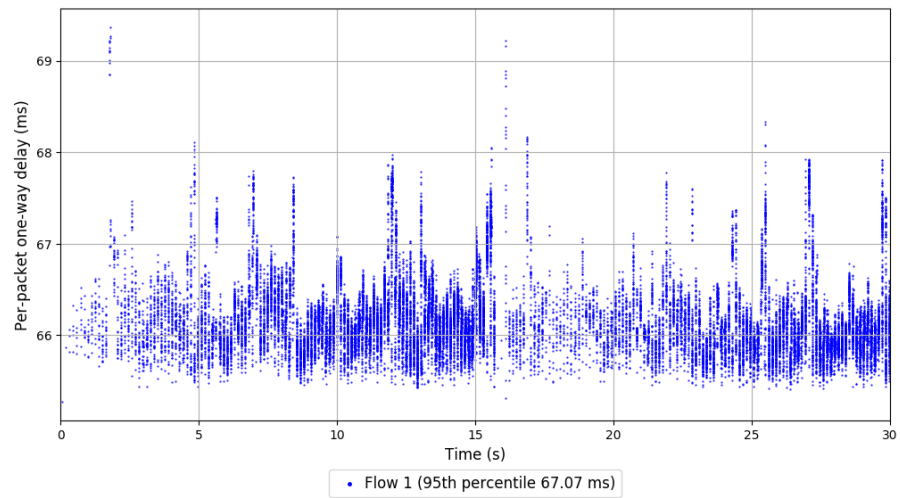
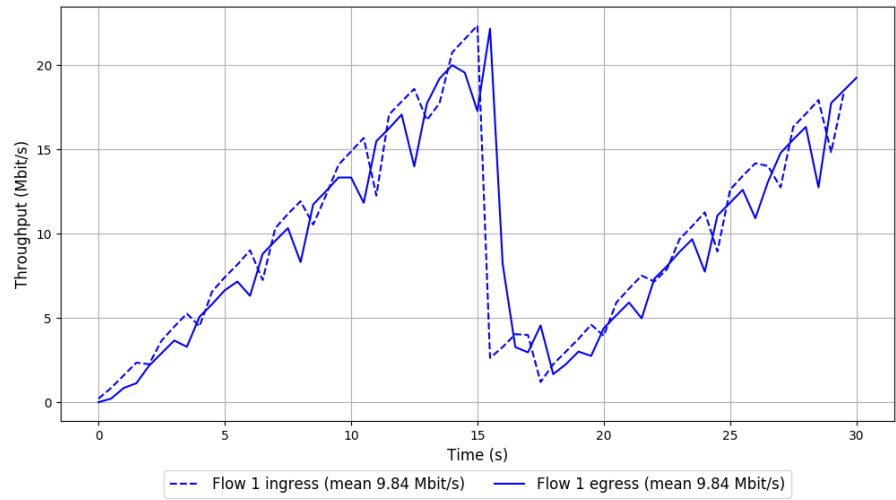
-- Flow 1:

Average throughput: 9.84 Mbit/s

95th percentile per-packet one-way delay: 67.070 ms

Loss rate: 0.02%

Run 6: Report of LEDBAT — Data Link

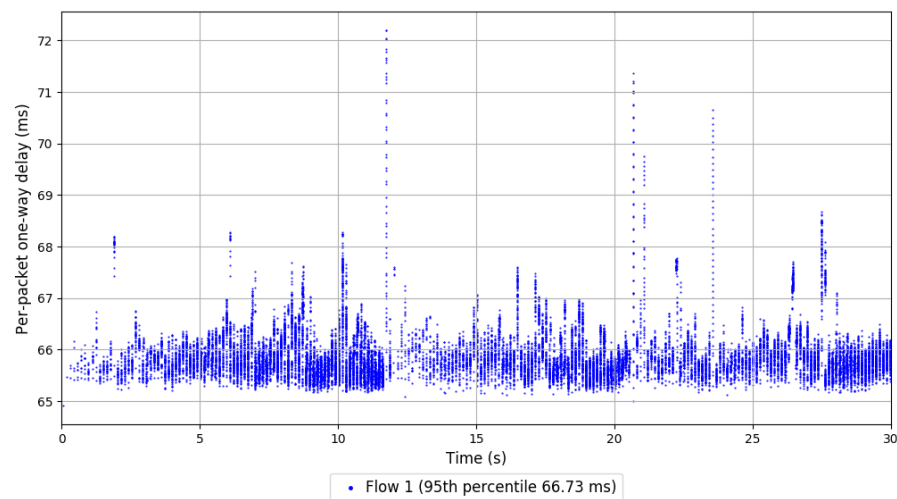
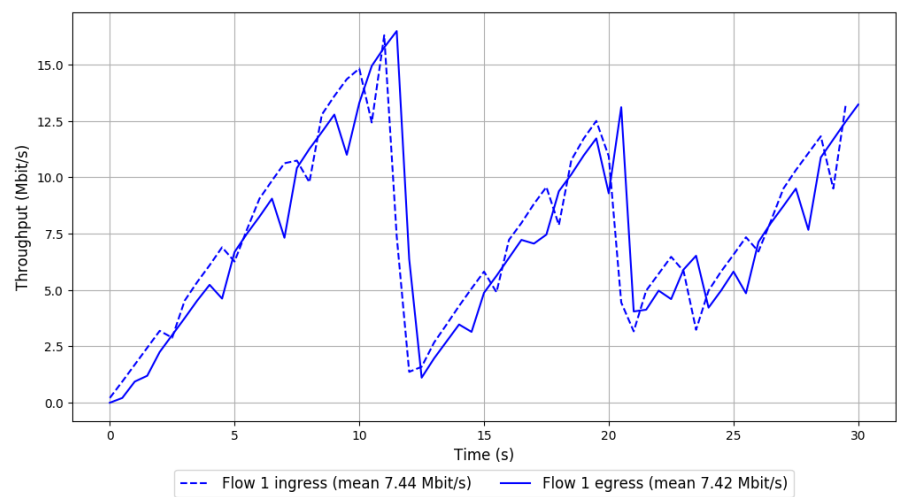


Run 7: Statistics of LEDBAT

Start at: 2018-06-05 06:38:14
End at: 2018-06-05 06:38:44
Local clock offset: 6.545 ms
Remote clock offset: -2.408 ms

Below is generated by plot.py at 2018-06-05 07:57:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.42 Mbit/s
95th percentile per-packet one-way delay: 66.731 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 7.42 Mbit/s
95th percentile per-packet one-way delay: 66.731 ms
Loss rate: 0.31%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

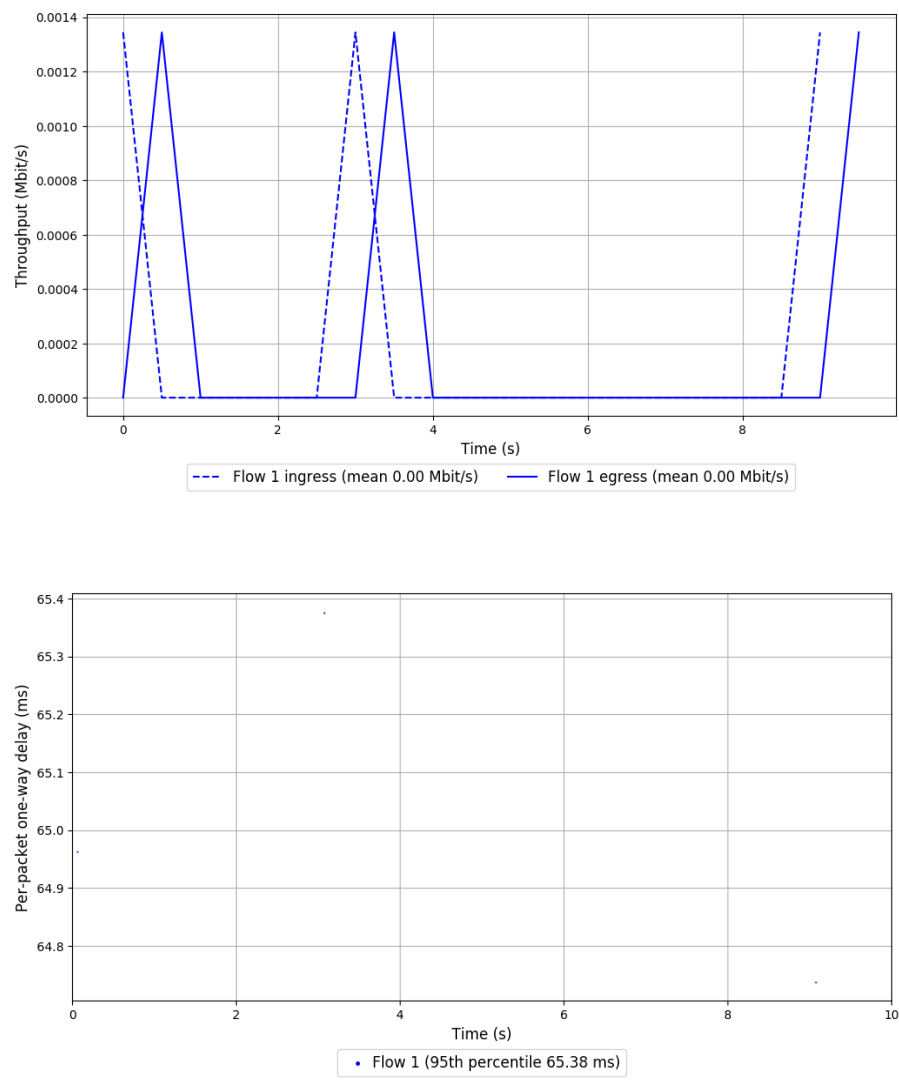
Start at: 2018-06-05 06:59:58

End at: 2018-06-05 07:00:28

Local clock offset: 5.701 ms

Remote clock offset: -2.29 ms

Run 8: Report of LEDBAT — Data Link

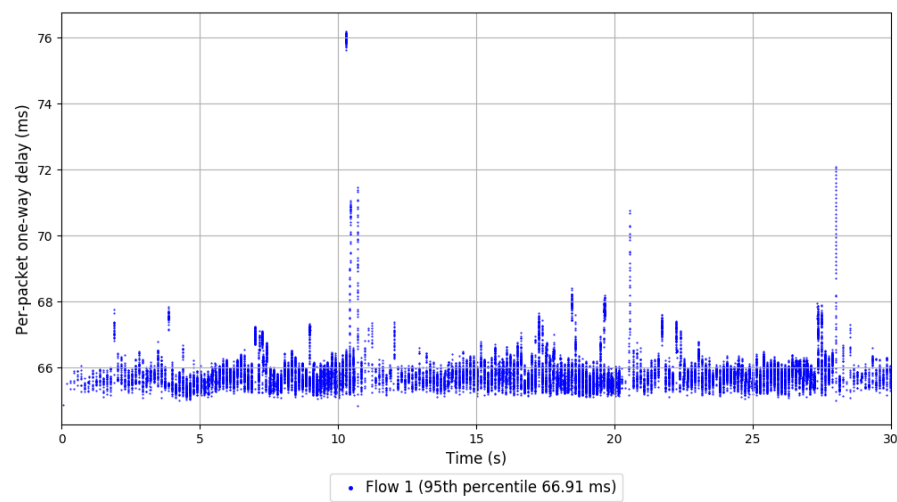
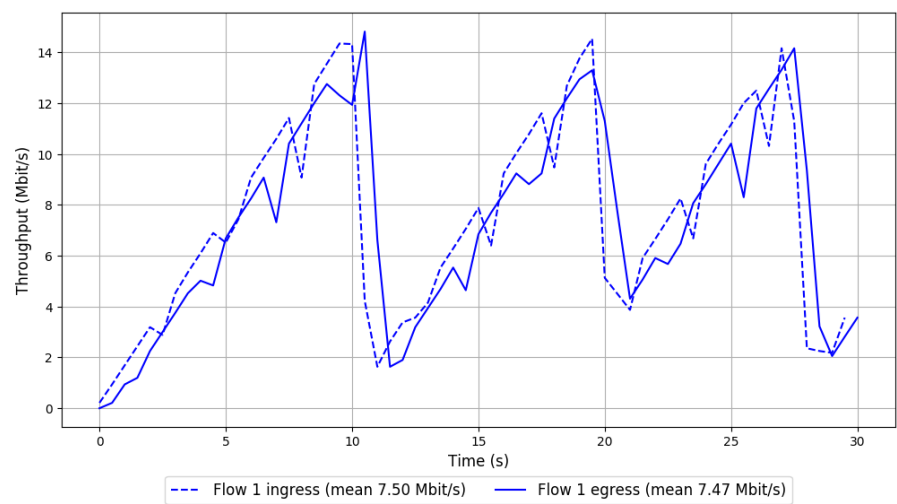


Run 9: Statistics of LEDBAT

Start at: 2018-06-05 07:21:10
End at: 2018-06-05 07:21:40
Local clock offset: 7.114 ms
Remote clock offset: -3.342 ms

Below is generated by plot.py at 2018-06-05 07:57:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.47 Mbit/s
95th percentile per-packet one-way delay: 66.905 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 7.47 Mbit/s
95th percentile per-packet one-way delay: 66.905 ms
Loss rate: 0.33%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-06-05 07:42:02

End at: 2018-06-05 07:42:33

Local clock offset: 7.836 ms

Remote clock offset: -3.661 ms

Below is generated by plot.py at 2018-06-05 07:57:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.70 Mbit/s

95th percentile per-packet one-way delay: 66.861 ms

Loss rate: 0.08%

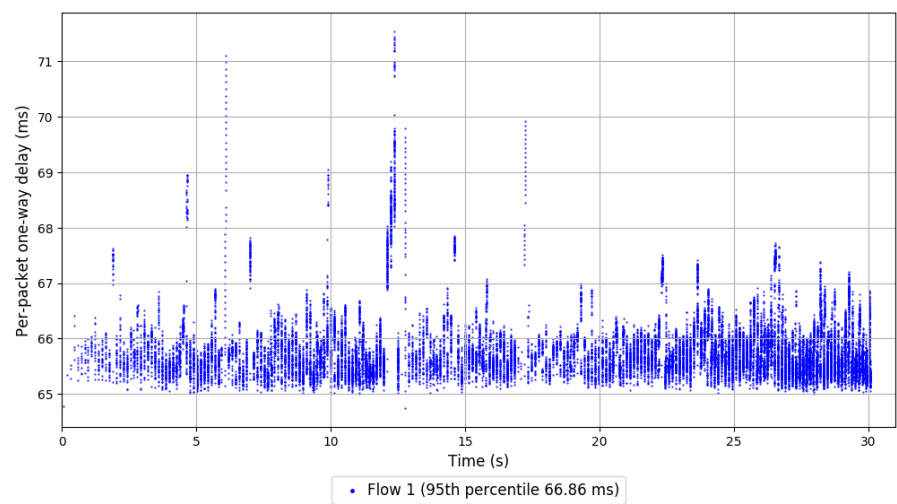
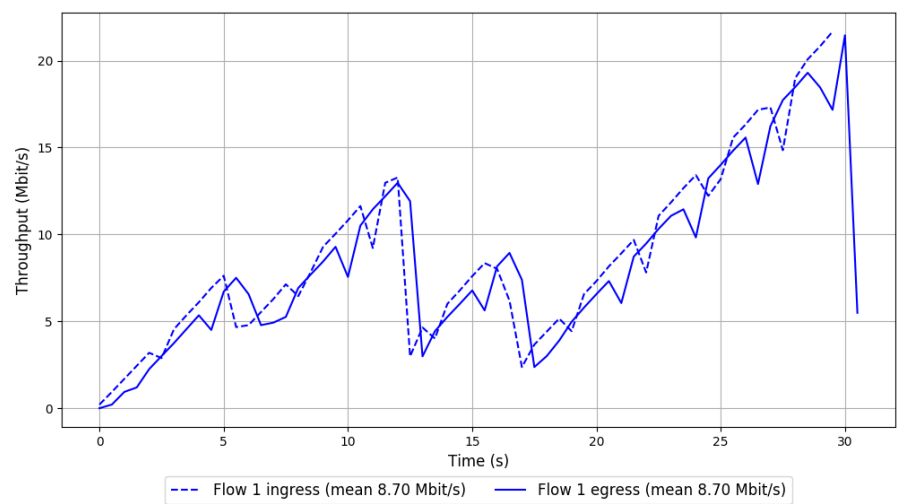
-- Flow 1:

Average throughput: 8.70 Mbit/s

95th percentile per-packet one-way delay: 66.861 ms

Loss rate: 0.08%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-06-05 04:33:55

End at: 2018-06-05 04:34:25

Local clock offset: 7.059 ms

Remote clock offset: -3.904 ms

Below is generated by plot.py at 2018-06-05 07:57:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.22 Mbit/s

95th percentile per-packet one-way delay: 74.682 ms

Loss rate: 1.43%

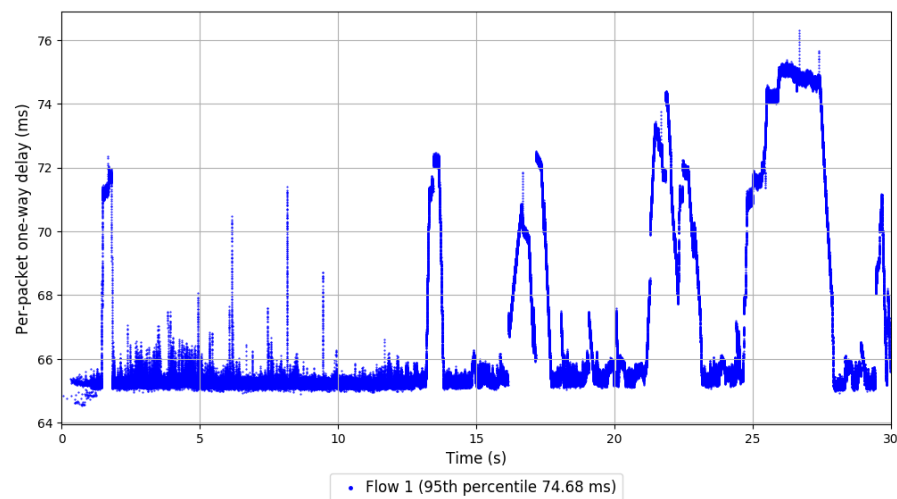
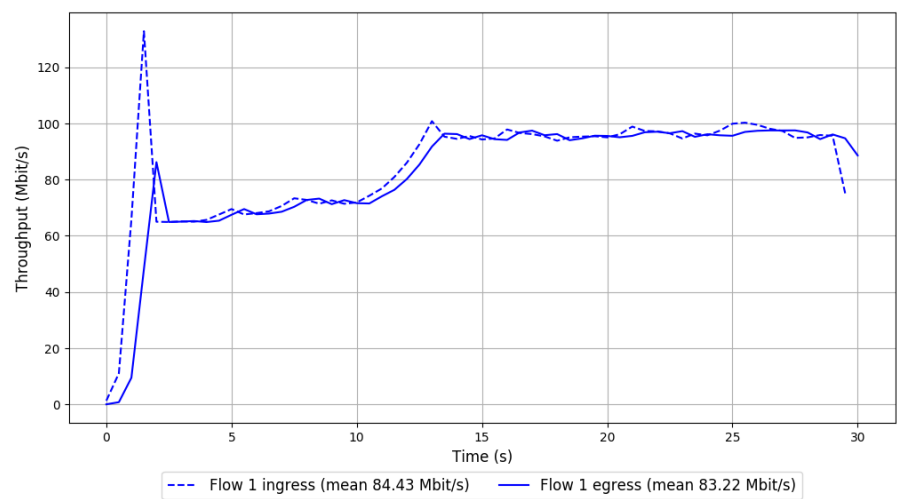
-- Flow 1:

Average throughput: 83.22 Mbit/s

95th percentile per-packet one-way delay: 74.682 ms

Loss rate: 1.43%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-06-05 04:54:48

End at: 2018-06-05 04:55:18

Local clock offset: 5.6 ms

Remote clock offset: -4.341 ms

Below is generated by plot.py at 2018-06-05 07:57:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.59 Mbit/s

95th percentile per-packet one-way delay: 74.414 ms

Loss rate: 1.42%

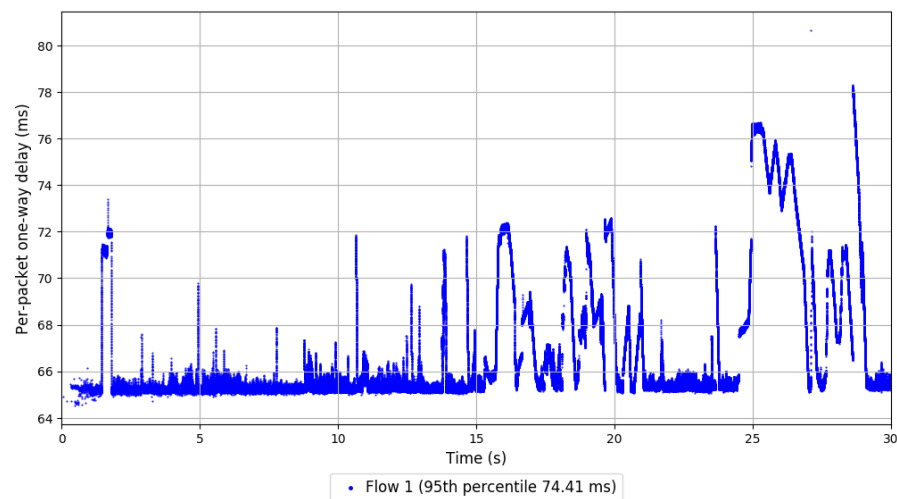
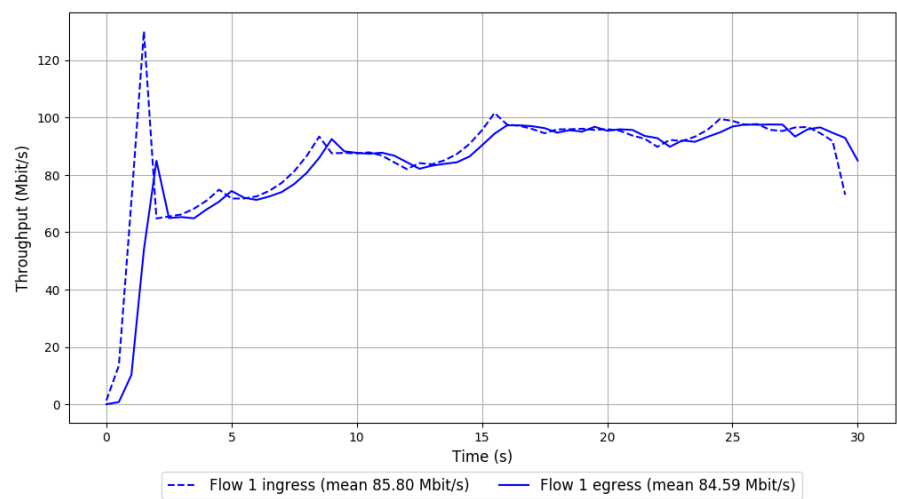
-- Flow 1:

Average throughput: 84.59 Mbit/s

95th percentile per-packet one-way delay: 74.414 ms

Loss rate: 1.42%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-06-05 05:15:56

End at: 2018-06-05 05:16:26

Local clock offset: 6.223 ms

Remote clock offset: -6.226 ms

Below is generated by plot.py at 2018-06-05 07:58:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.35 Mbit/s

95th percentile per-packet one-way delay: 71.728 ms

Loss rate: 1.49%

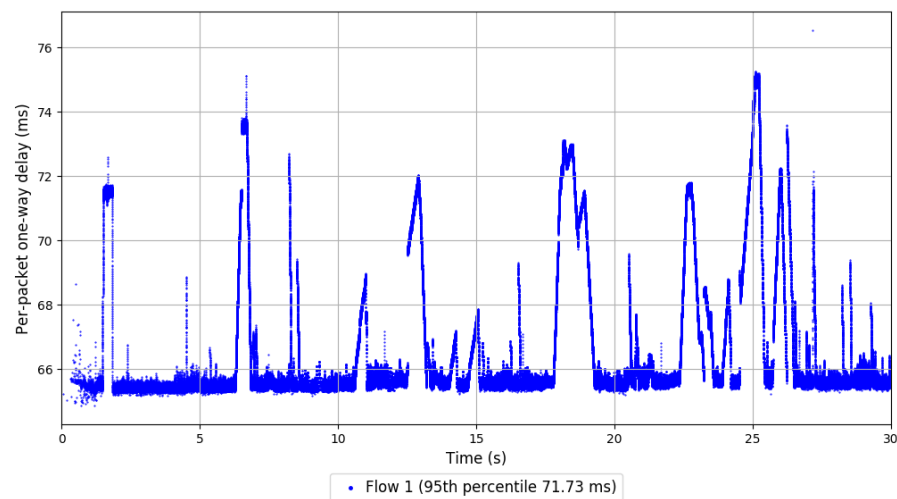
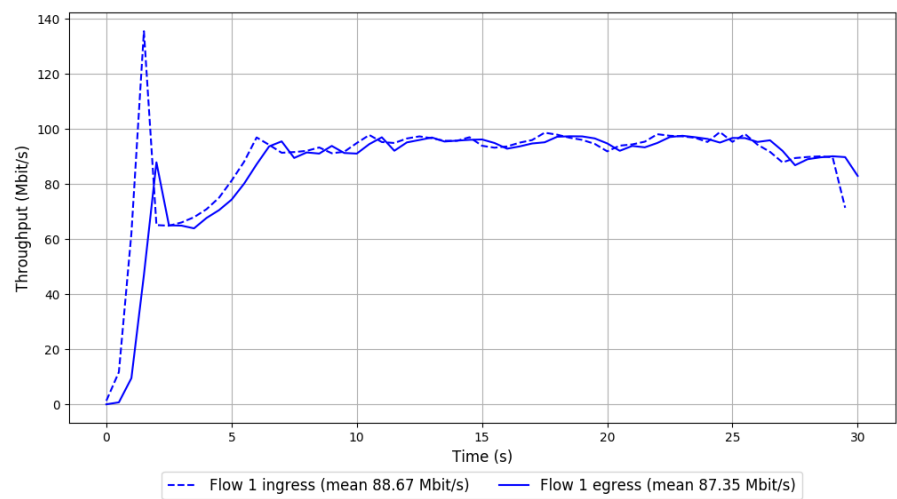
-- Flow 1:

Average throughput: 87.35 Mbit/s

95th percentile per-packet one-way delay: 71.728 ms

Loss rate: 1.49%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-06-05 05:36:49

End at: 2018-06-05 05:37:19

Local clock offset: 7.346 ms

Remote clock offset: -4.323 ms

Below is generated by plot.py at 2018-06-05 07:58:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.96 Mbit/s

95th percentile per-packet one-way delay: 73.529 ms

Loss rate: 1.34%

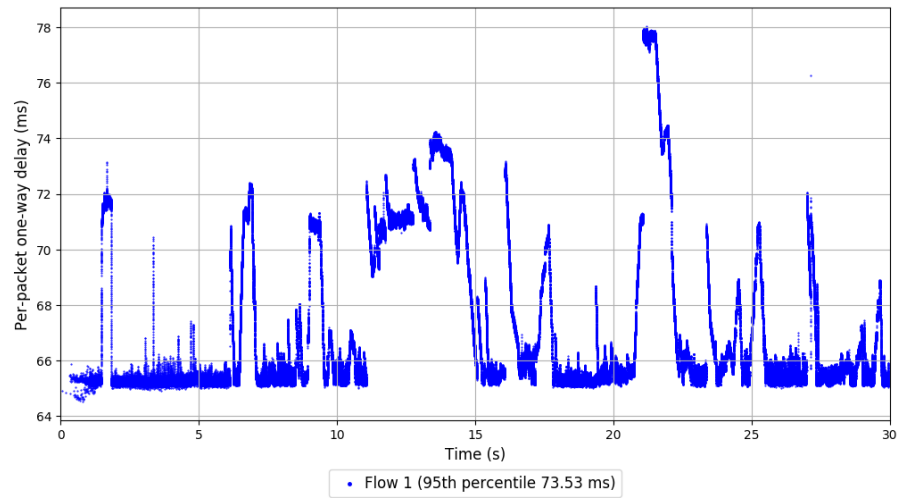
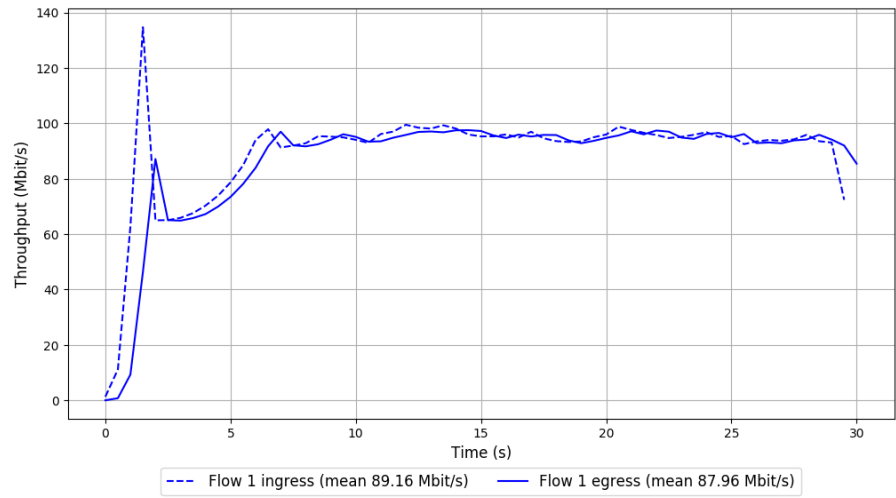
-- Flow 1:

Average throughput: 87.96 Mbit/s

95th percentile per-packet one-way delay: 73.529 ms

Loss rate: 1.34%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-06-05 05:57:47

End at: 2018-06-05 05:58:17

Local clock offset: 7.456 ms

Remote clock offset: -2.861 ms

Below is generated by plot.py at 2018-06-05 07:58:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.90 Mbit/s

95th percentile per-packet one-way delay: 71.155 ms

Loss rate: 1.24%

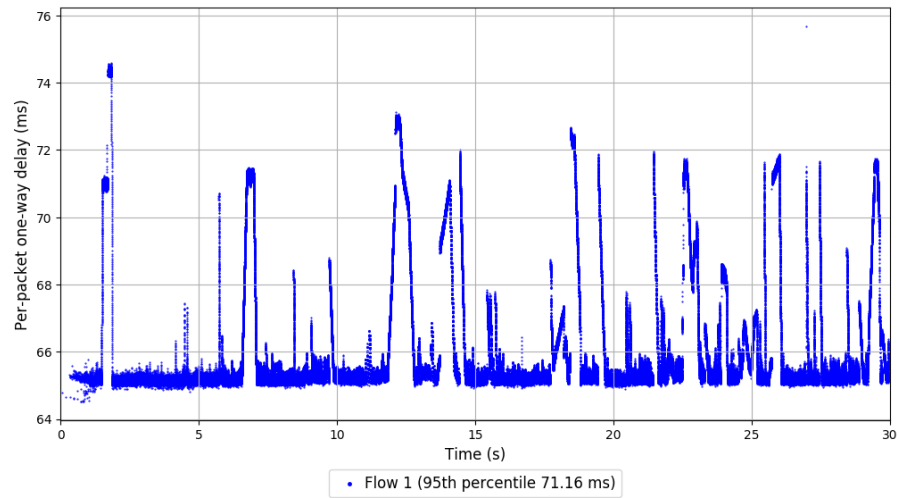
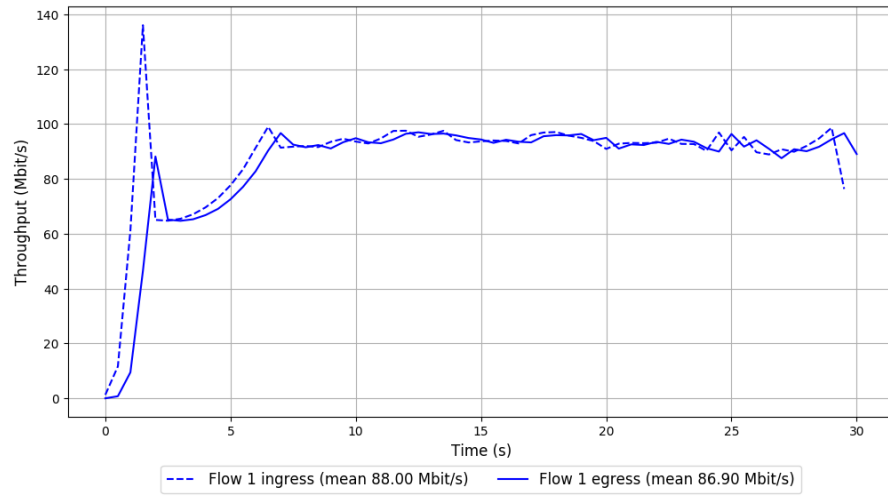
-- Flow 1:

Average throughput: 86.90 Mbit/s

95th percentile per-packet one-way delay: 71.155 ms

Loss rate: 1.24%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-05 06:18:39

End at: 2018-06-05 06:19:09

Local clock offset: 6.946 ms

Remote clock offset: -2.817 ms

Below is generated by plot.py at 2018-06-05 07:58:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.81 Mbit/s

95th percentile per-packet one-way delay: 72.121 ms

Loss rate: 1.26%

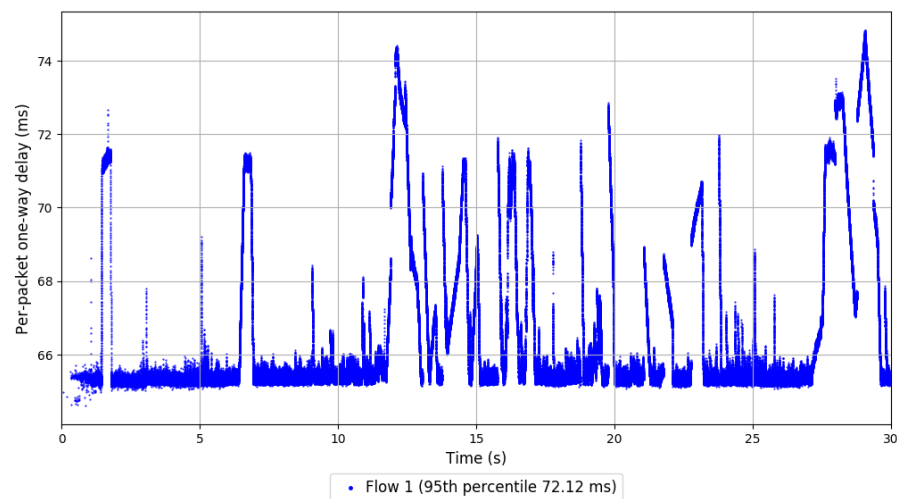
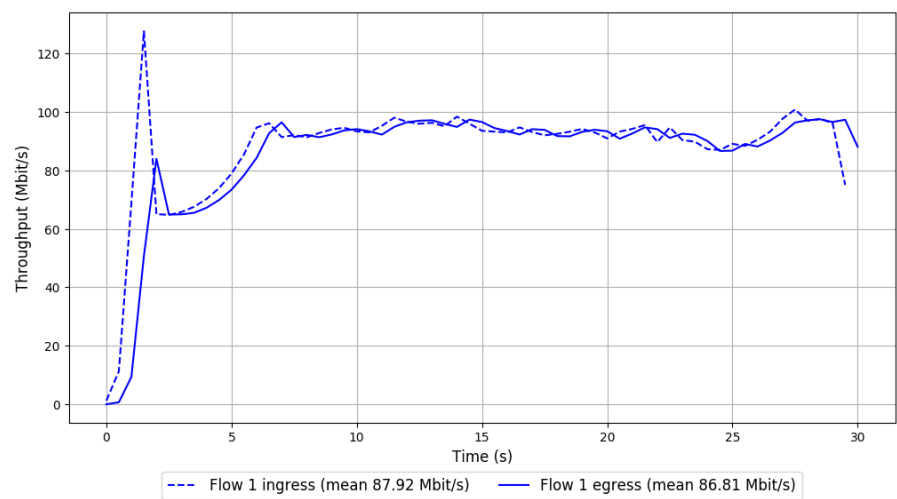
-- Flow 1:

Average throughput: 86.81 Mbit/s

95th percentile per-packet one-way delay: 72.121 ms

Loss rate: 1.26%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-06-05 06:39:30

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

Local clock offset: 6.546 ms

Remote clock offset: -2.917 ms

Below is generated by plot.py at 2018-06-05 07:58:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.54 Mbit/s

95th percentile per-packet one-way delay: 71.294 ms

Loss rate: 1.49%

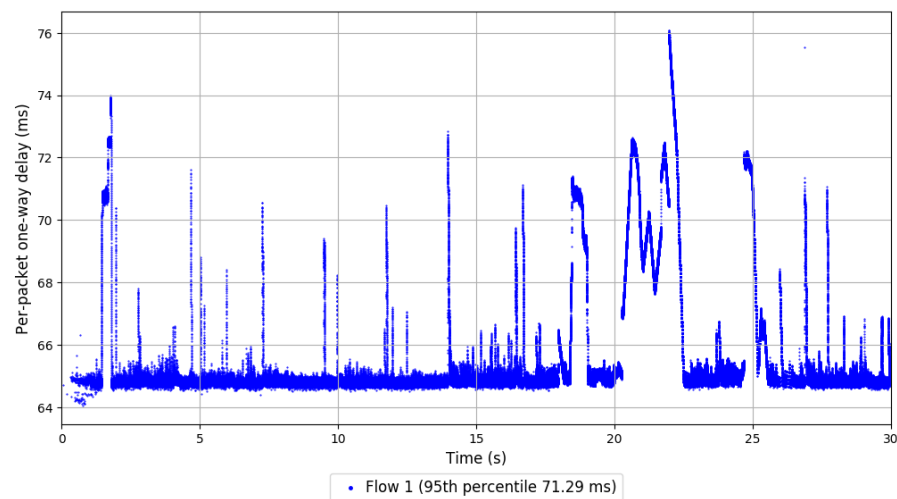
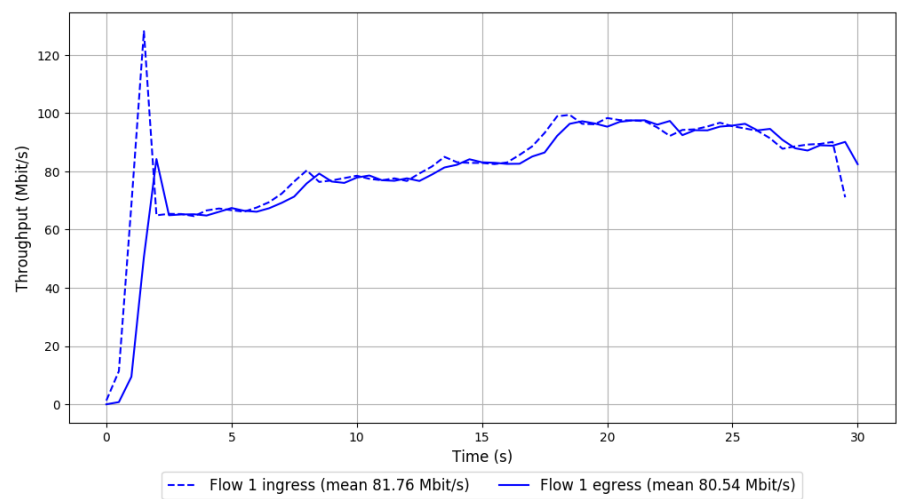
-- Flow 1:

Average throughput: 80.54 Mbit/s

95th percentile per-packet one-way delay: 71.294 ms

Loss rate: 1.49%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-05 07:01:18

End at: 2018-06-05 07:01:48

Local clock offset: 5.678 ms

Remote clock offset: -2.103 ms

Below is generated by plot.py at 2018-06-05 07:58:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 65.111 ms

Loss rate: 0.00%

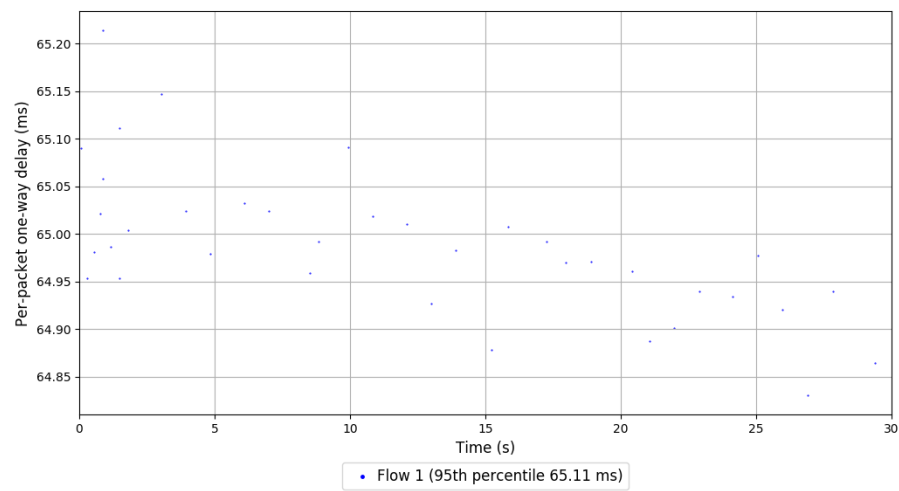
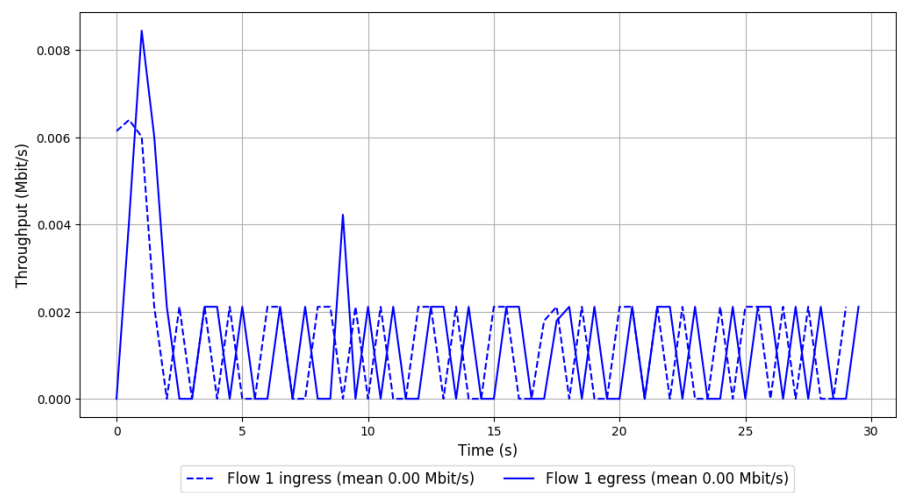
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 65.111 ms

Loss rate: 0.00%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-06-05 07:22:26

End at: 2018-06-05 07:22:56

Local clock offset: 7.202 ms

Remote clock offset: -3.422 ms

Below is generated by plot.py at 2018-06-05 07:58:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.57 Mbit/s

95th percentile per-packet one-way delay: 72.383 ms

Loss rate: 1.18%

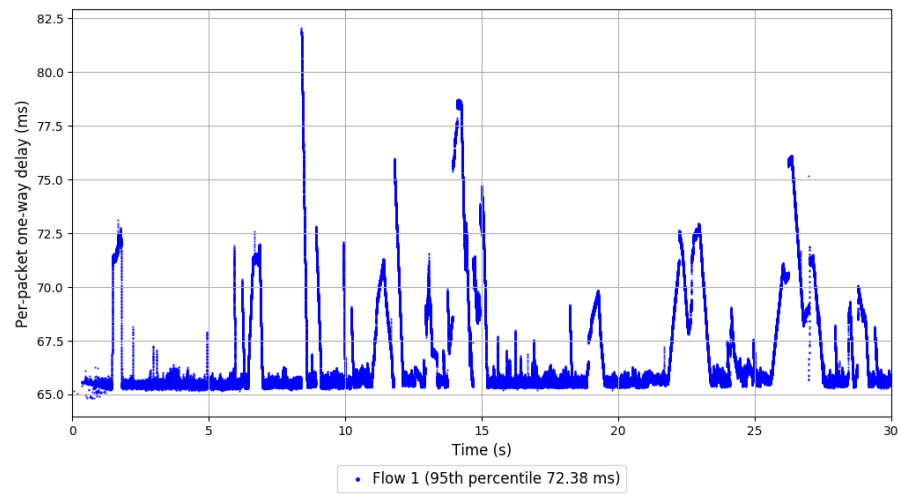
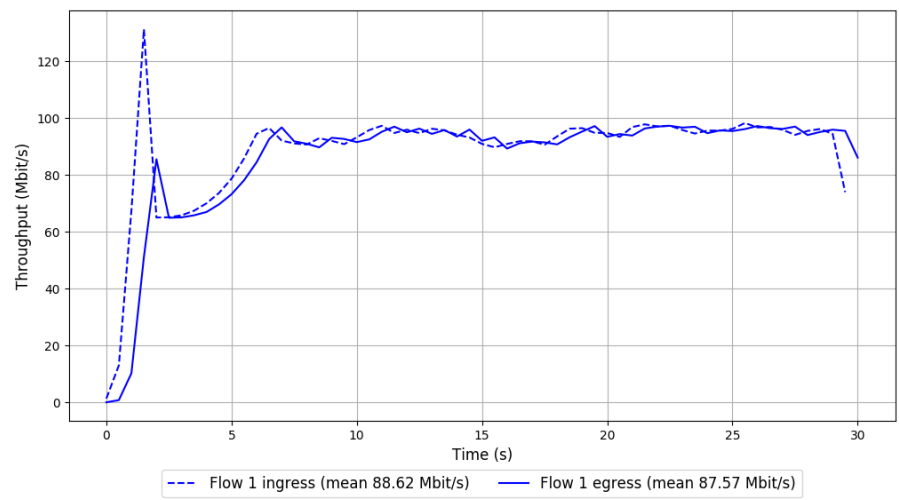
-- Flow 1:

Average throughput: 87.57 Mbit/s

95th percentile per-packet one-way delay: 72.383 ms

Loss rate: 1.18%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-06-05 07:43:19

End at: 2018-06-05 07:43:49

Local clock offset: 7.747 ms

Remote clock offset: -3.712 ms

Below is generated by plot.py at 2018-06-05 07:58:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.48 Mbit/s

95th percentile per-packet one-way delay: 72.807 ms

Loss rate: 1.16%

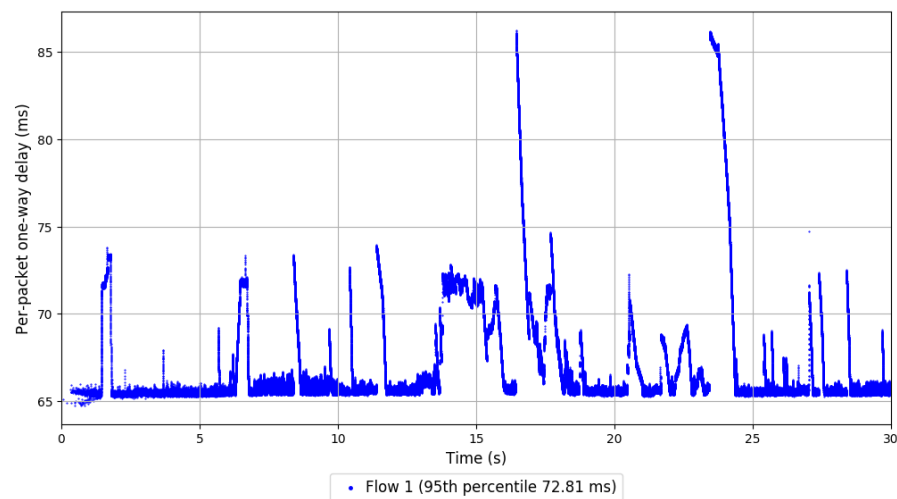
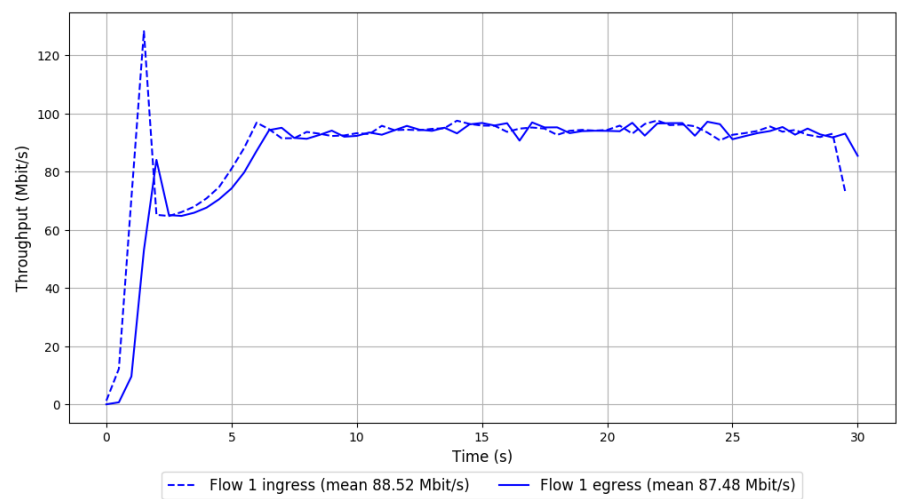
-- Flow 1:

Average throughput: 87.48 Mbit/s

95th percentile per-packet one-way delay: 72.807 ms

Loss rate: 1.16%

Run 10: Report of PCC-Allegro — Data Link

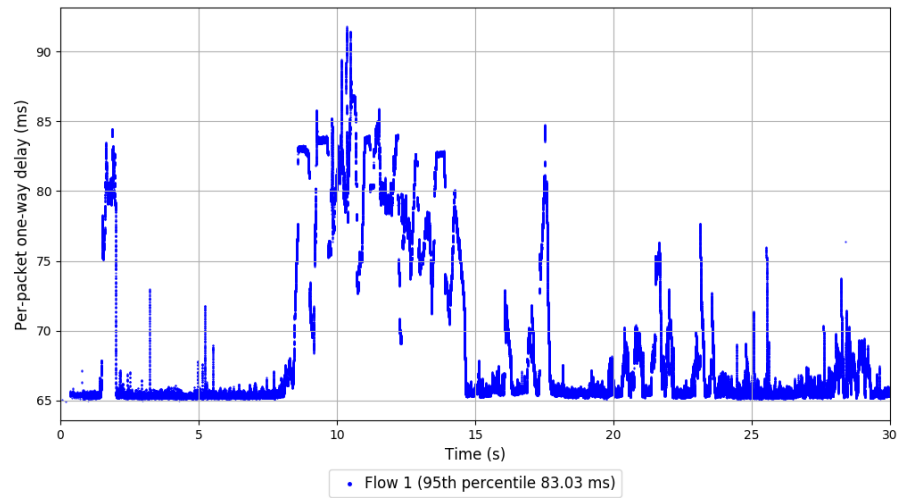
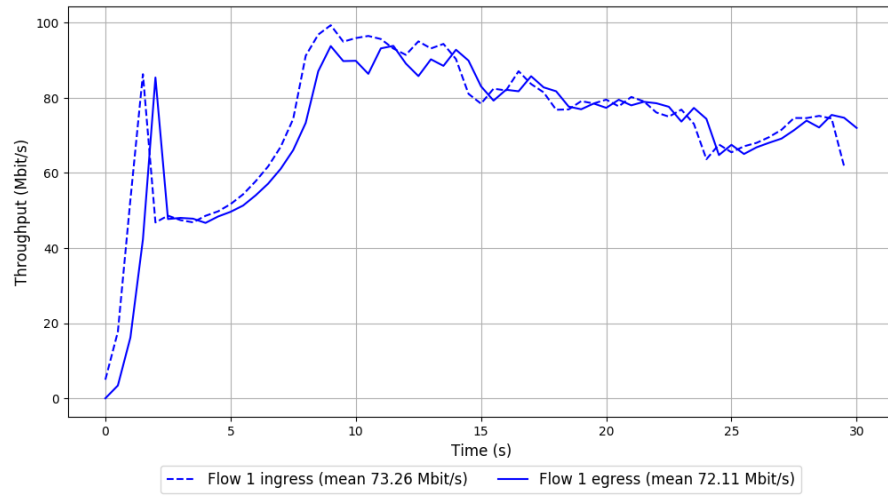


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-05 04:37:51
End at: 2018-06-05 04:38:21
Local clock offset: 7.116 ms
Remote clock offset: -3.761 ms

# Below is generated by plot.py at 2018-06-05 07:59:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.11 Mbit/s
95th percentile per-packet one-way delay: 83.028 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 72.11 Mbit/s
95th percentile per-packet one-way delay: 83.028 ms
Loss rate: 1.56%
```

Run 1: Report of PCC-Expr — Data Link

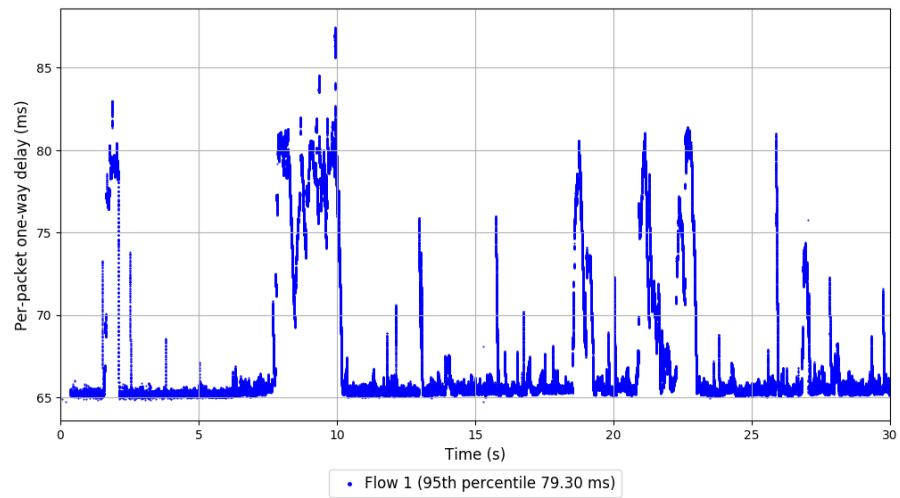
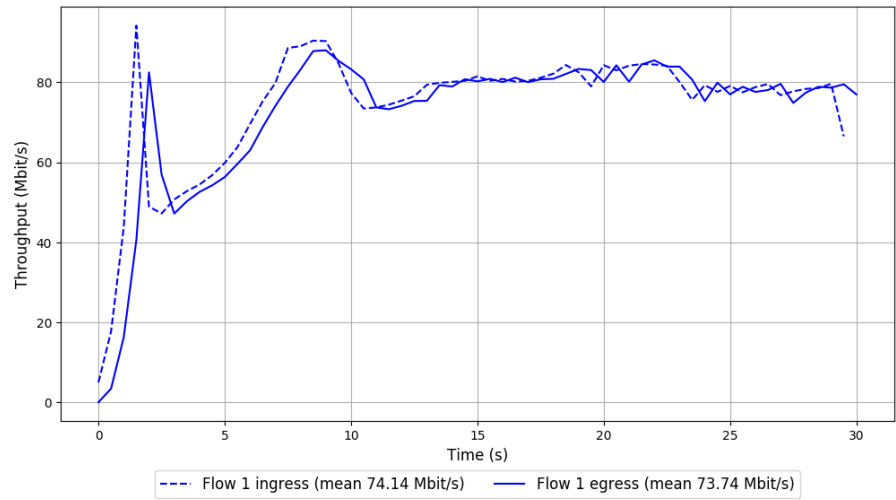


Run 2: Statistics of PCC-Expr

Start at: 2018-06-05 04:58:45
End at: 2018-06-05 04:59:15
Local clock offset: 5.568 ms
Remote clock offset: -4.956 ms

Below is generated by plot.py at 2018-06-05 07:59:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.74 Mbit/s
95th percentile per-packet one-way delay: 79.302 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 73.74 Mbit/s
95th percentile per-packet one-way delay: 79.302 ms
Loss rate: 0.53%

Run 2: Report of PCC-Expr — Data Link

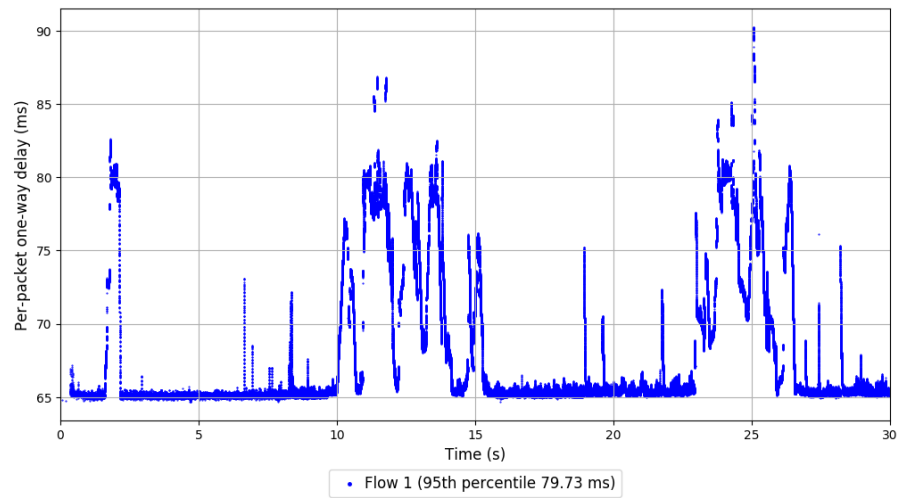
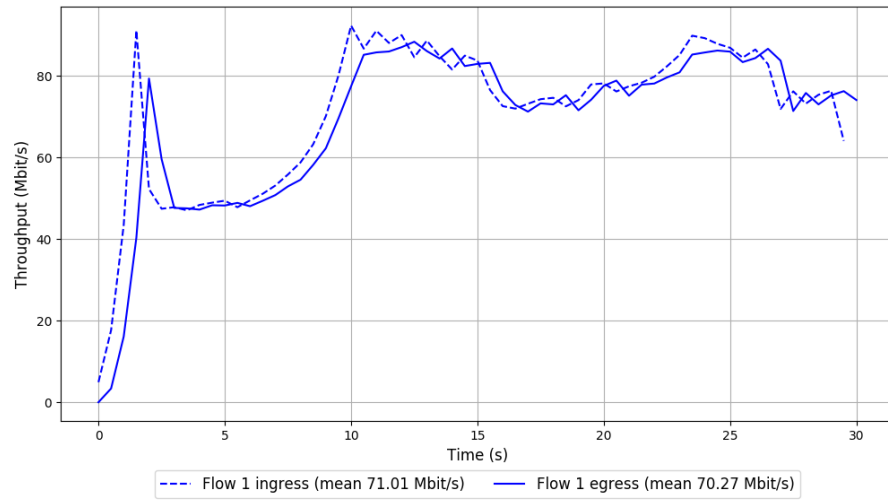


Run 3: Statistics of PCC-Expr

Start at: 2018-06-05 05:19:54
End at: 2018-06-05 05:20:24
Local clock offset: 6.763 ms
Remote clock offset: -6.281 ms

Below is generated by plot.py at 2018-06-05 07:59:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.27 Mbit/s
95th percentile per-packet one-way delay: 79.728 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 70.27 Mbit/s
95th percentile per-packet one-way delay: 79.728 ms
Loss rate: 1.04%

Run 3: Report of PCC-Expr — Data Link

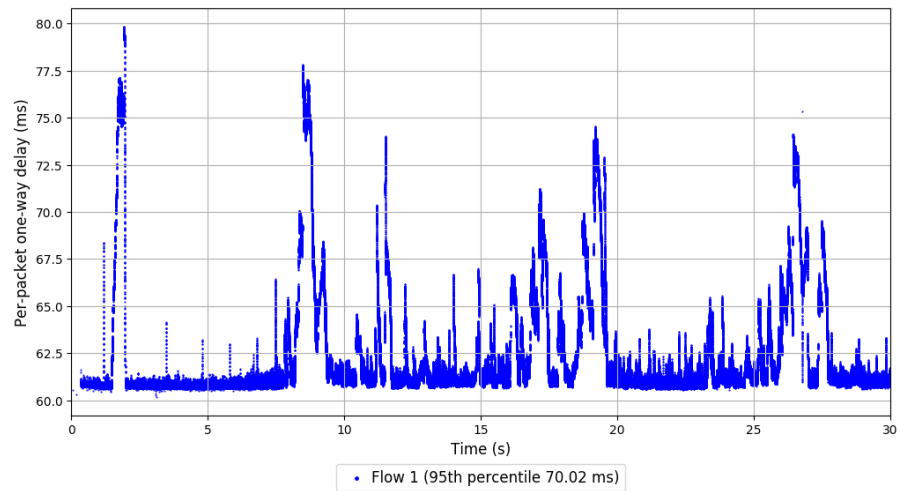
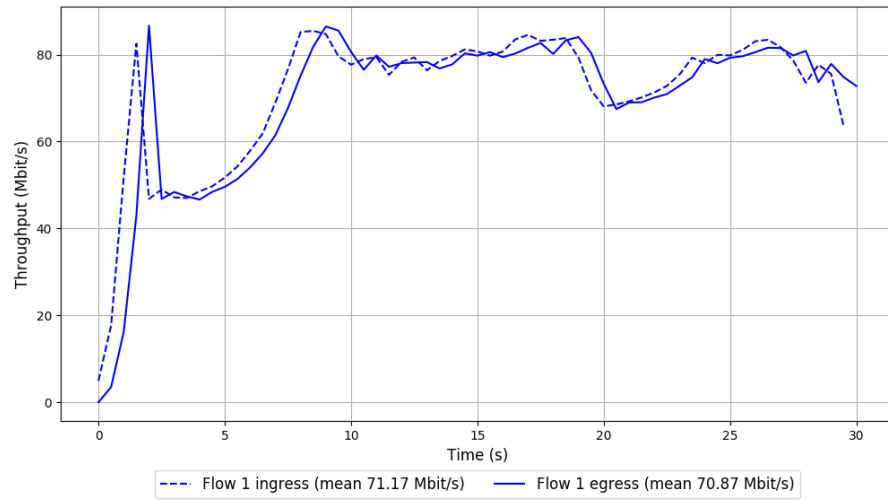


Run 4: Statistics of PCC-Expr

Start at: 2018-06-05 05:40:45
End at: 2018-06-05 05:41:15
Local clock offset: 7.274 ms
Remote clock offset: -8.338 ms

Below is generated by plot.py at 2018-06-05 07:59:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.87 Mbit/s
95th percentile per-packet one-way delay: 70.019 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 70.87 Mbit/s
95th percentile per-packet one-way delay: 70.019 ms
Loss rate: 0.42%

Run 4: Report of PCC-Expr — Data Link

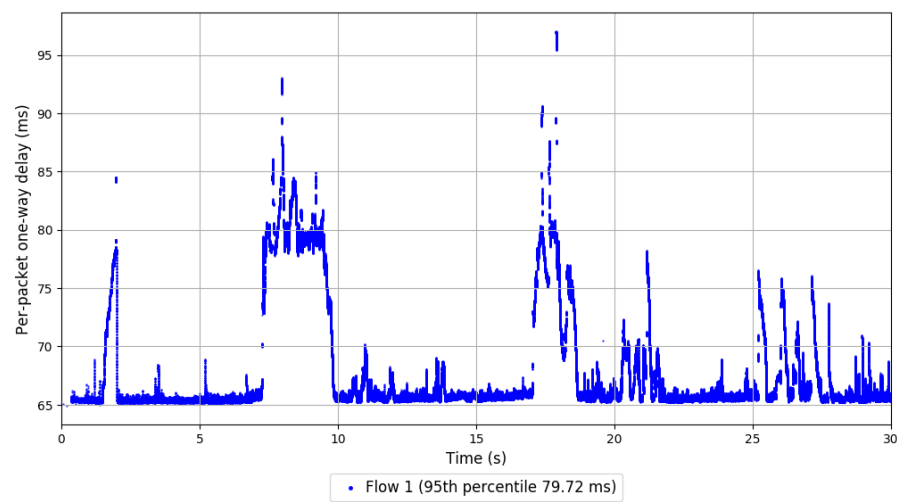
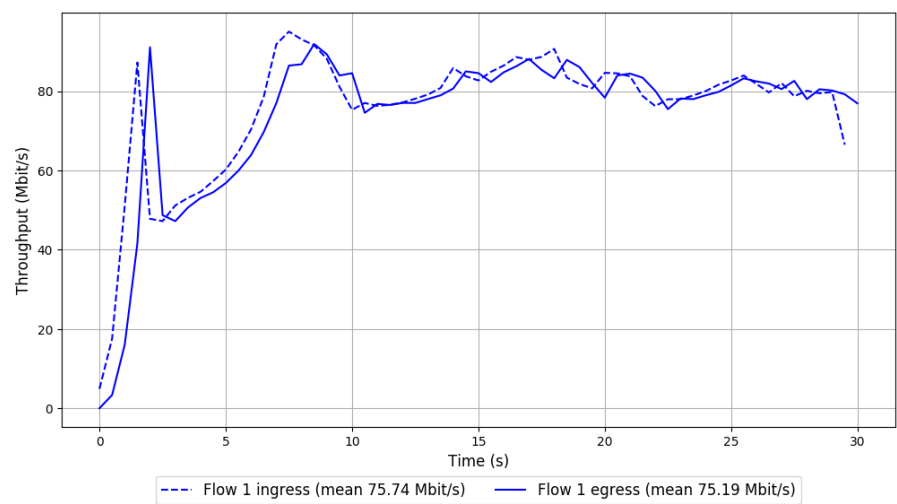


Run 5: Statistics of PCC-Expr

Start at: 2018-06-05 06:01:43
End at: 2018-06-05 06:02:13
Local clock offset: 7.591 ms
Remote clock offset: -2.919 ms

Below is generated by plot.py at 2018-06-05 07:59:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.19 Mbit/s
95th percentile per-packet one-way delay: 79.716 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 75.19 Mbit/s
95th percentile per-packet one-way delay: 79.716 ms
Loss rate: 0.72%

Run 5: Report of PCC-Expr — Data Link

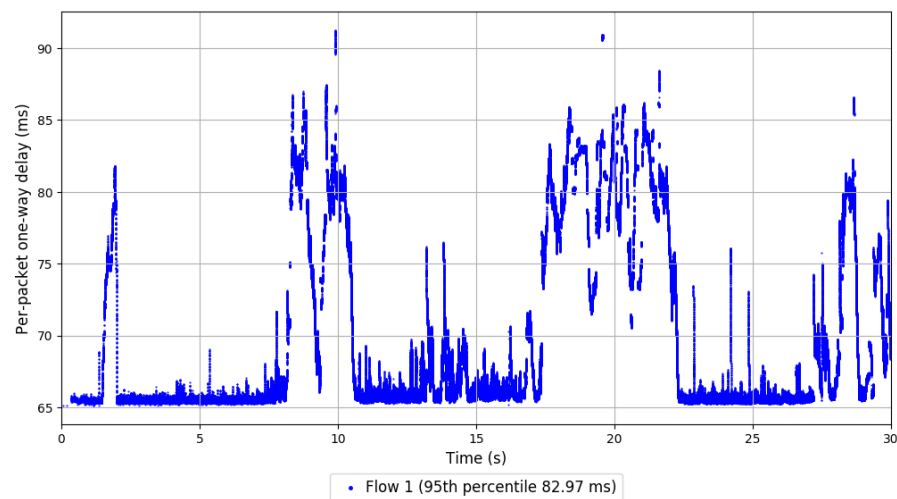
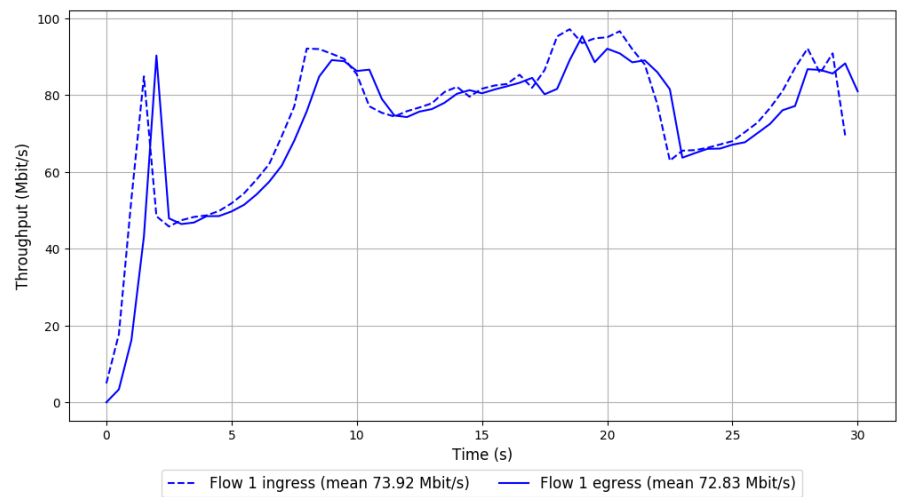


Run 6: Statistics of PCC-Expr

Start at: 2018-06-05 06:22:35
End at: 2018-06-05 06:23:05
Local clock offset: 6.682 ms
Remote clock offset: -2.765 ms

Below is generated by plot.py at 2018-06-05 07:59:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.83 Mbit/s
95th percentile per-packet one-way delay: 82.969 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 72.83 Mbit/s
95th percentile per-packet one-way delay: 82.969 ms
Loss rate: 1.46%

Run 6: Report of PCC-Expr — Data Link

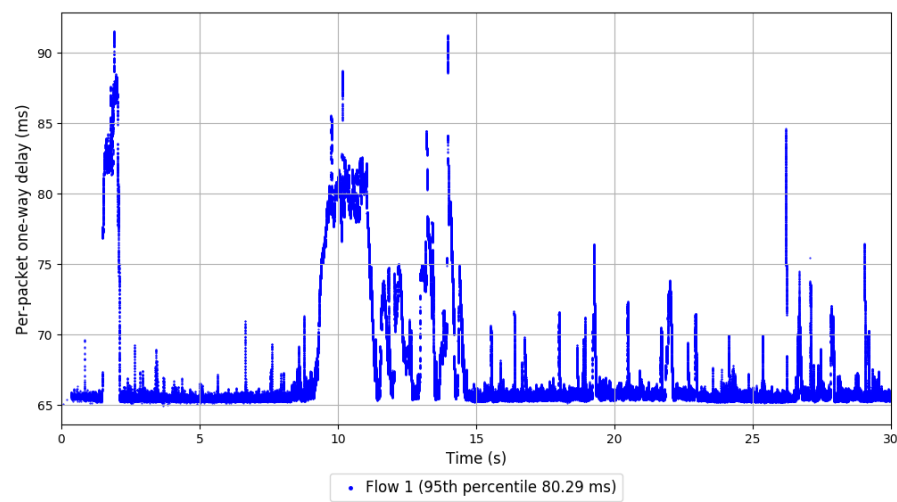
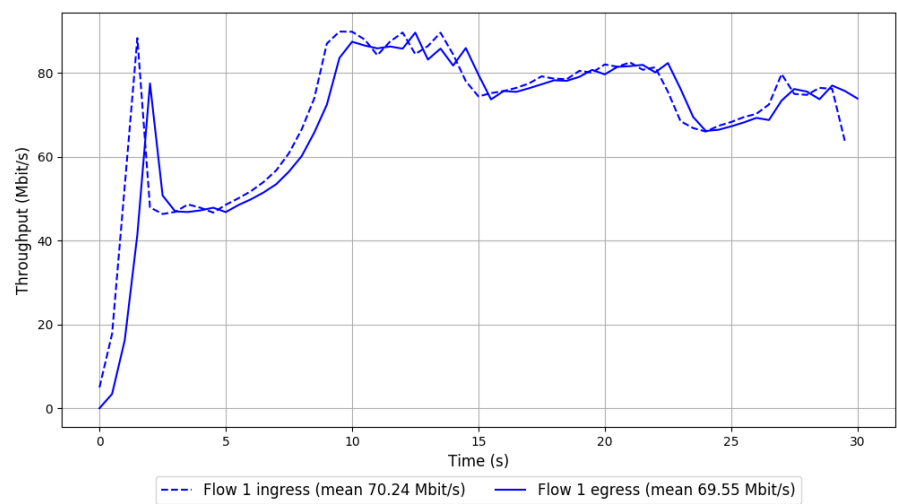


Run 7: Statistics of PCC-Expr

Start at: 2018-06-05 06:43:26
End at: 2018-06-05 06:43:56
Local clock offset: 6.296 ms
Remote clock offset: -2.449 ms

Below is generated by plot.py at 2018-06-05 08:00:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.55 Mbit/s
95th percentile per-packet one-way delay: 80.289 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 69.55 Mbit/s
95th percentile per-packet one-way delay: 80.289 ms
Loss rate: 0.98%

Run 7: Report of PCC-Expr — Data Link

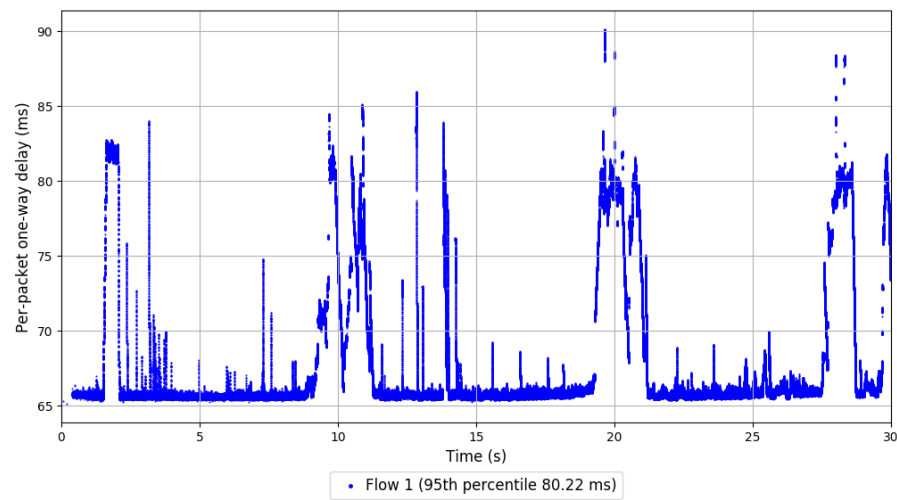
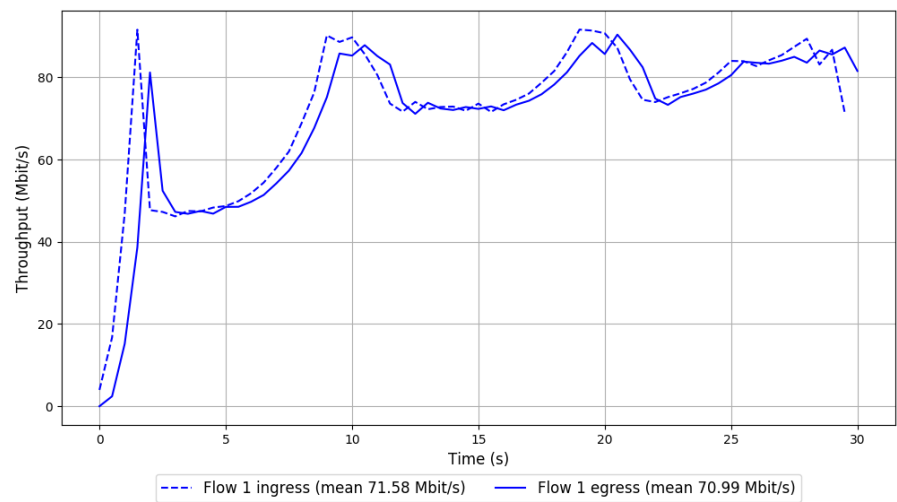


Run 8: Statistics of PCC-Expr

Start at: 2018-06-05 07:05:25
End at: 2018-06-05 07:05:55
Local clock offset: 5.477 ms
Remote clock offset: -2.036 ms

Below is generated by plot.py at 2018-06-05 08:00:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.99 Mbit/s
95th percentile per-packet one-way delay: 80.225 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 70.99 Mbit/s
95th percentile per-packet one-way delay: 80.225 ms
Loss rate: 0.80%

Run 8: Report of PCC-Expr — Data Link

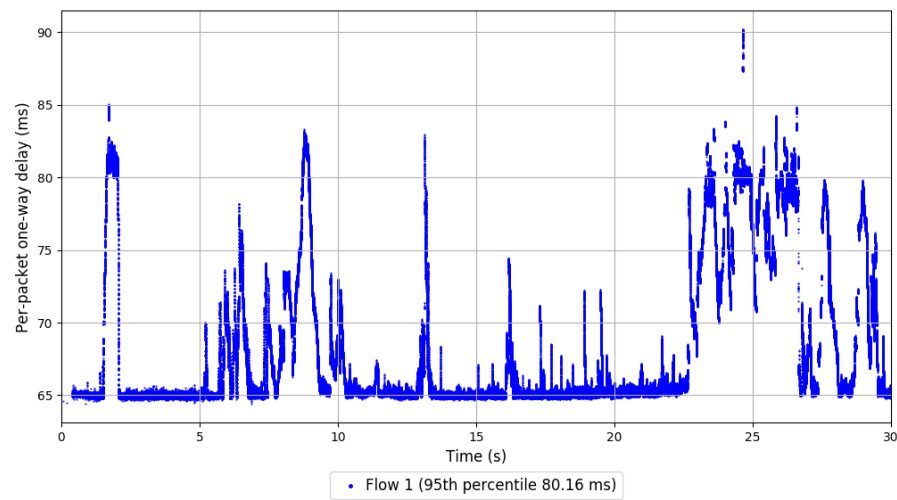
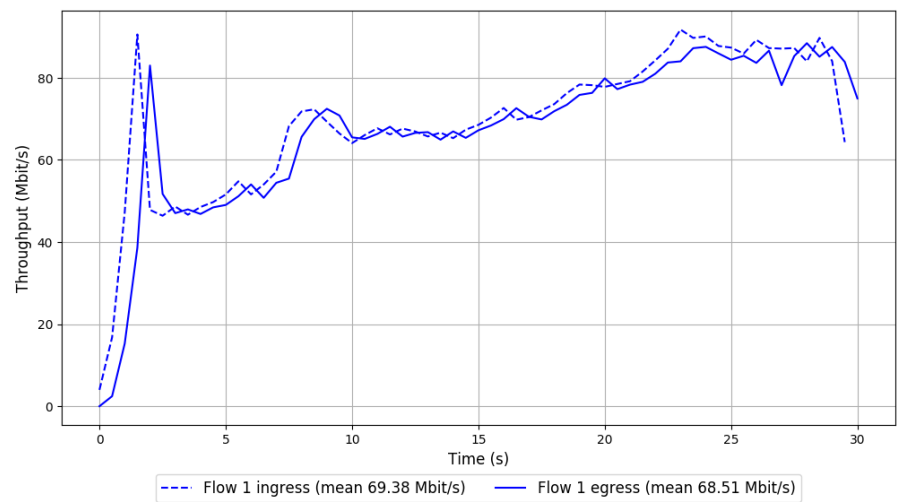


Run 9: Statistics of PCC-Expr

Start at: 2018-06-05 07:26:23
End at: 2018-06-05 07:26:53
Local clock offset: 7.565 ms
Remote clock offset: -3.631 ms

Below is generated by plot.py at 2018-06-05 08:01:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.51 Mbit/s
95th percentile per-packet one-way delay: 80.157 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 68.51 Mbit/s
95th percentile per-packet one-way delay: 80.157 ms
Loss rate: 1.25%

Run 9: Report of PCC-Expr — Data Link

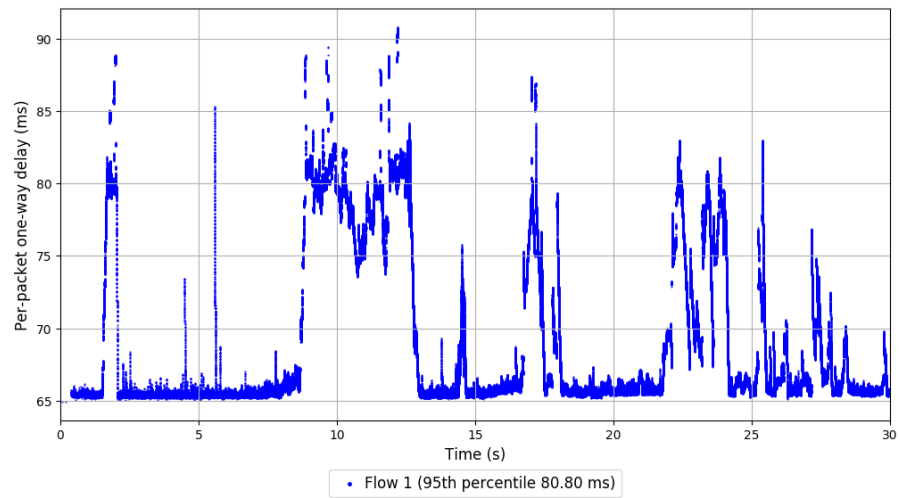
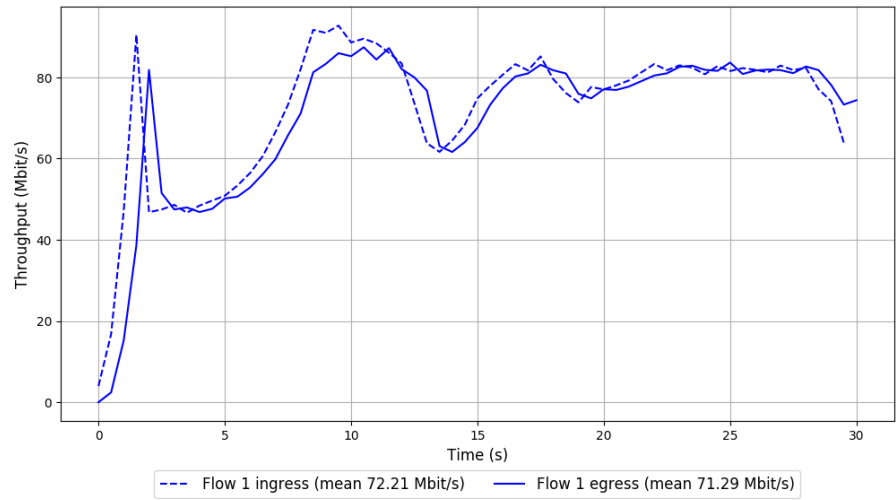


Run 10: Statistics of PCC-Expr

Start at: 2018-06-05 07:47:15
End at: 2018-06-05 07:47:45
Local clock offset: 7.761 ms
Remote clock offset: -3.763 ms

Below is generated by plot.py at 2018-06-05 08:01:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.29 Mbit/s
95th percentile per-packet one-way delay: 80.795 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 71.29 Mbit/s
95th percentile per-packet one-way delay: 80.795 ms
Loss rate: 1.27%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-06-05 04:31:20

End at: 2018-06-05 04:31:50

Local clock offset: 7.058 ms

Remote clock offset: -4.126 ms

Below is generated by plot.py at 2018-06-05 08:01:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.36 Mbit/s

95th percentile per-packet one-way delay: 66.388 ms

Loss rate: 1.03%

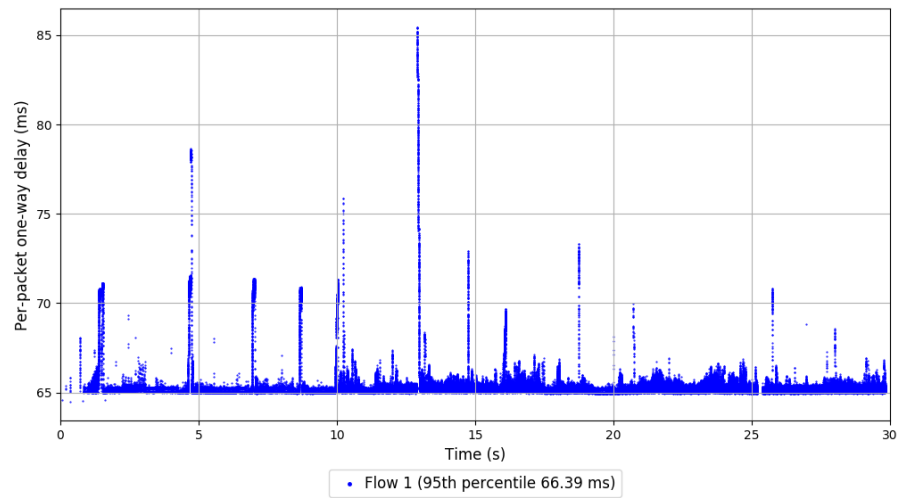
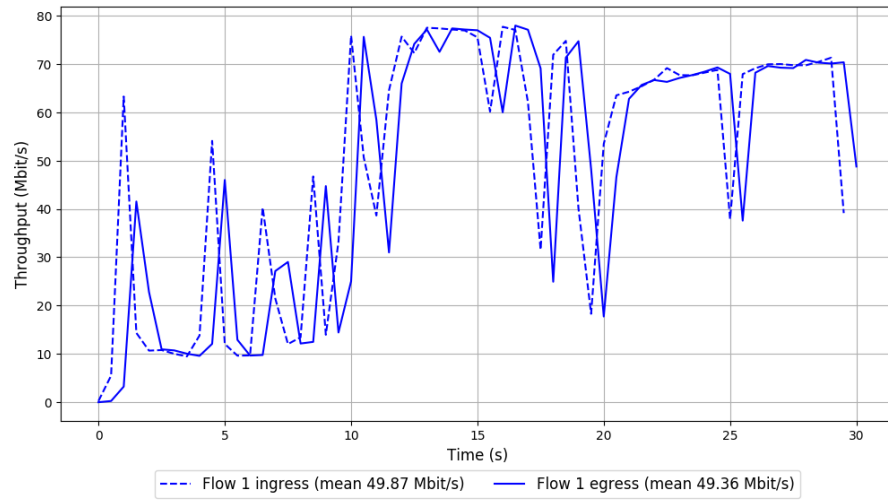
-- Flow 1:

Average throughput: 49.36 Mbit/s

95th percentile per-packet one-way delay: 66.388 ms

Loss rate: 1.03%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-06-05 04:52:14

End at: 2018-06-05 04:52:44

Local clock offset: 5.881 ms

Remote clock offset: -3.699 ms

Below is generated by plot.py at 2018-06-05 08:01:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.95 Mbit/s

95th percentile per-packet one-way delay: 65.973 ms

Loss rate: 1.23%

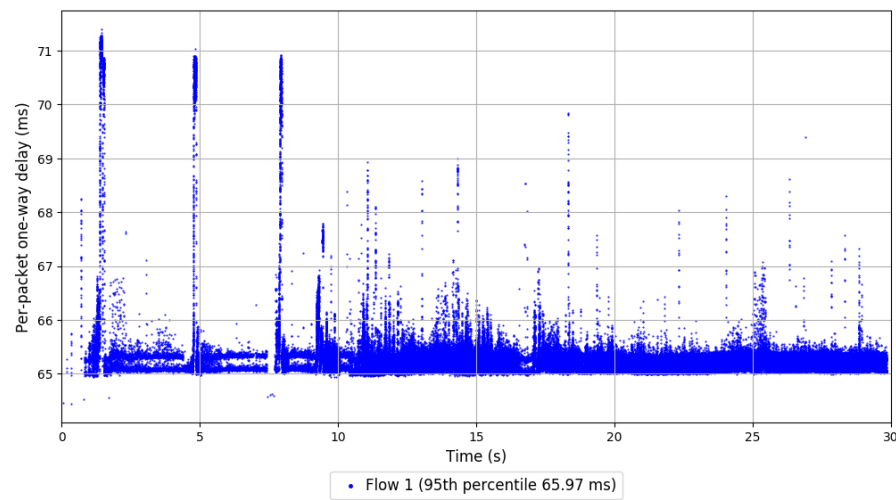
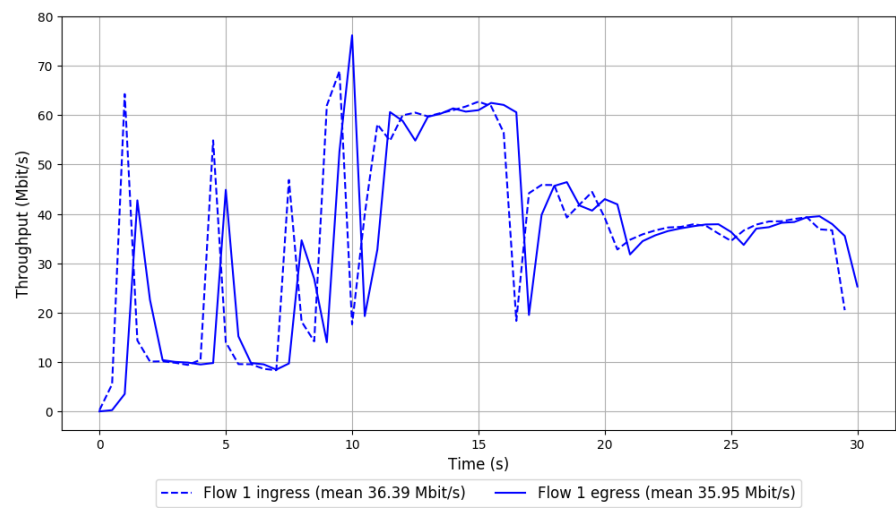
-- Flow 1:

Average throughput: 35.95 Mbit/s

95th percentile per-packet one-way delay: 65.973 ms

Loss rate: 1.23%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-06-05 05:13:22

End at: 2018-06-05 05:13:52

Local clock offset: 5.86 ms

Remote clock offset: -6.103 ms

Below is generated by plot.py at 2018-06-05 08:01:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.48 Mbit/s

95th percentile per-packet one-way delay: 66.417 ms

Loss rate: 1.11%

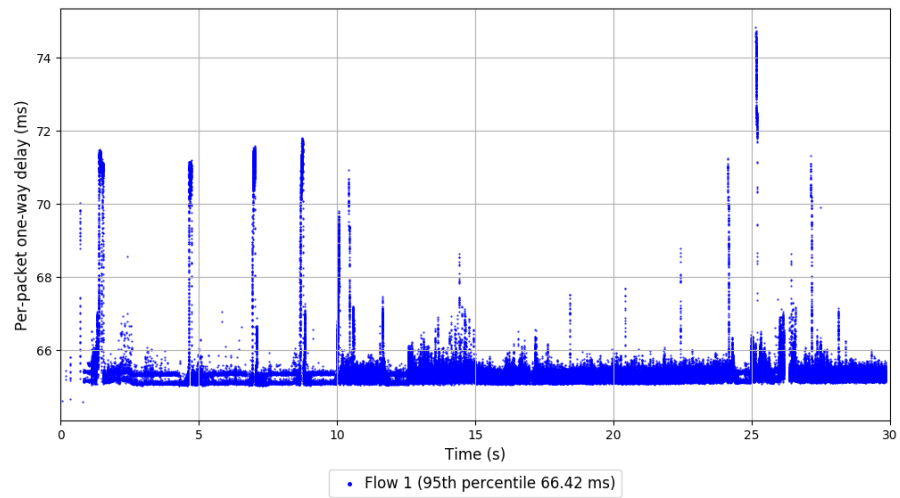
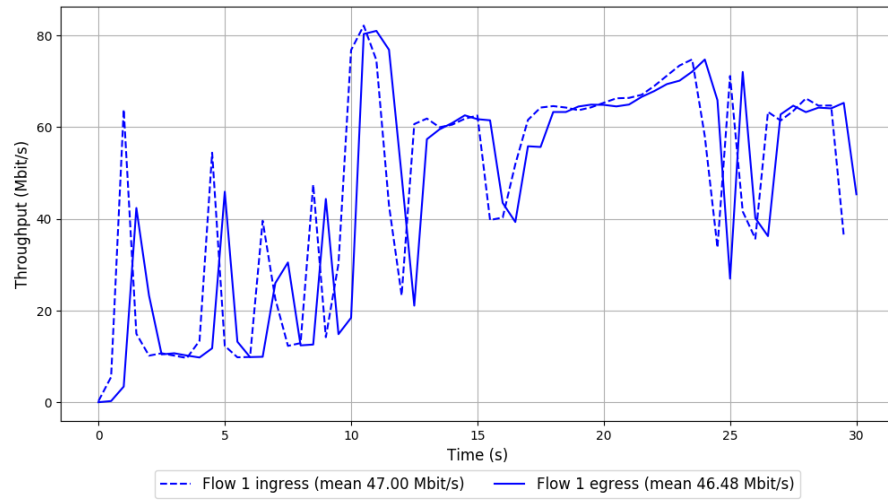
-- Flow 1:

Average throughput: 46.48 Mbit/s

95th percentile per-packet one-way delay: 66.417 ms

Loss rate: 1.11%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-06-05 05:34:15

End at: 2018-06-05 05:34:45

Local clock offset: 7.283 ms

Remote clock offset: -4.531 ms

Below is generated by plot.py at 2018-06-05 08:01:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.42 Mbit/s

95th percentile per-packet one-way delay: 66.466 ms

Loss rate: 0.80%

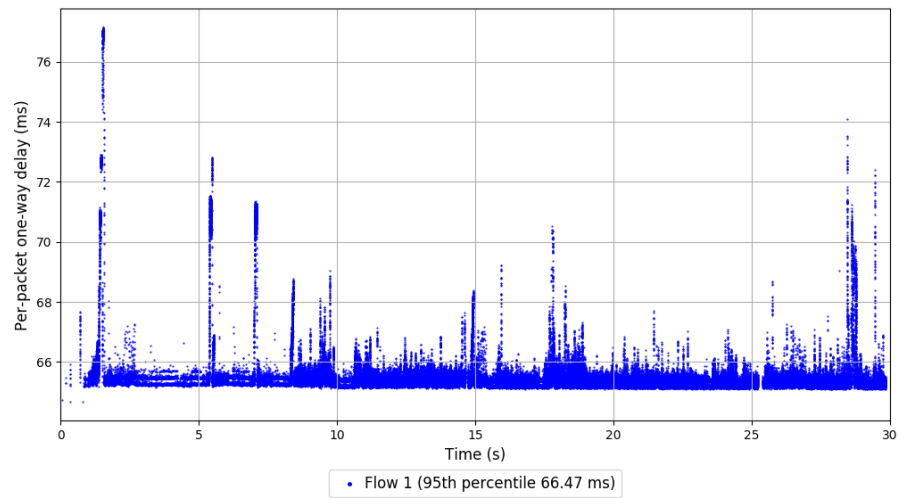
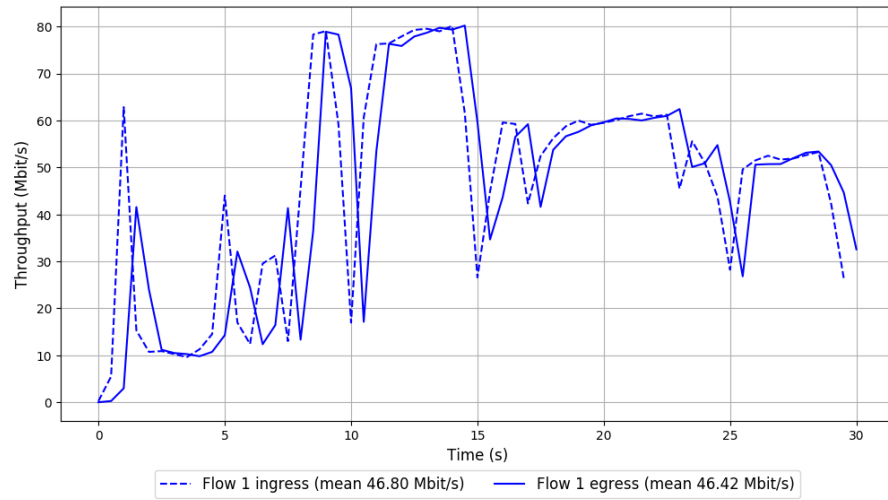
-- Flow 1:

Average throughput: 46.42 Mbit/s

95th percentile per-packet one-way delay: 66.466 ms

Loss rate: 0.80%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-06-05 05:55:12

End at: 2018-06-05 05:55:42

Local clock offset: 7.432 ms

Remote clock offset: -3.121 ms

Below is generated by plot.py at 2018-06-05 08:01:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.66 Mbit/s

95th percentile per-packet one-way delay: 66.127 ms

Loss rate: 0.81%

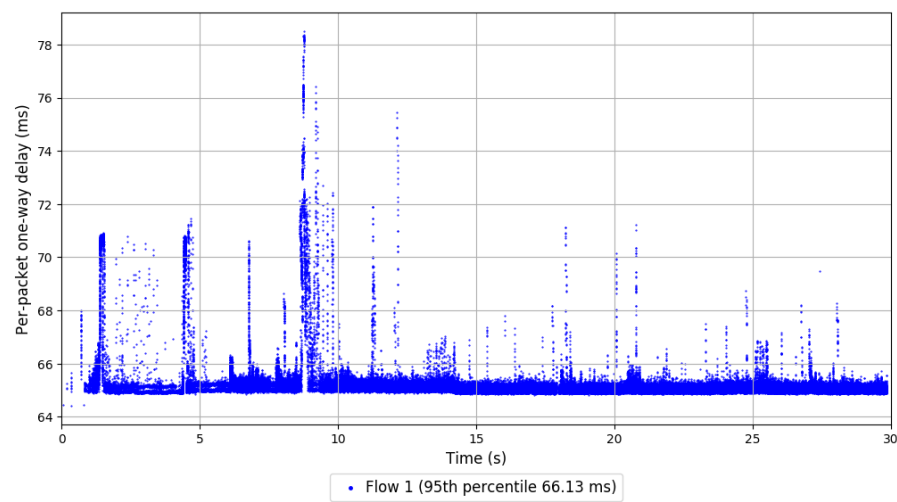
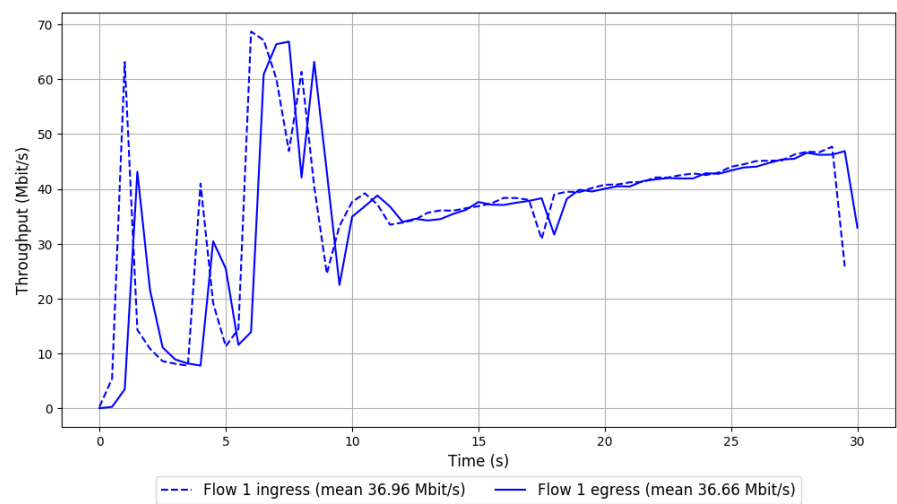
-- Flow 1:

Average throughput: 36.66 Mbit/s

95th percentile per-packet one-way delay: 66.127 ms

Loss rate: 0.81%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-06-05 06:16:05

End at: 2018-06-05 06:16:36

Local clock offset: 6.95 ms

Remote clock offset: -2.898 ms

Below is generated by plot.py at 2018-06-05 08:01:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.66 Mbit/s

95th percentile per-packet one-way delay: 66.155 ms

Loss rate: 1.02%

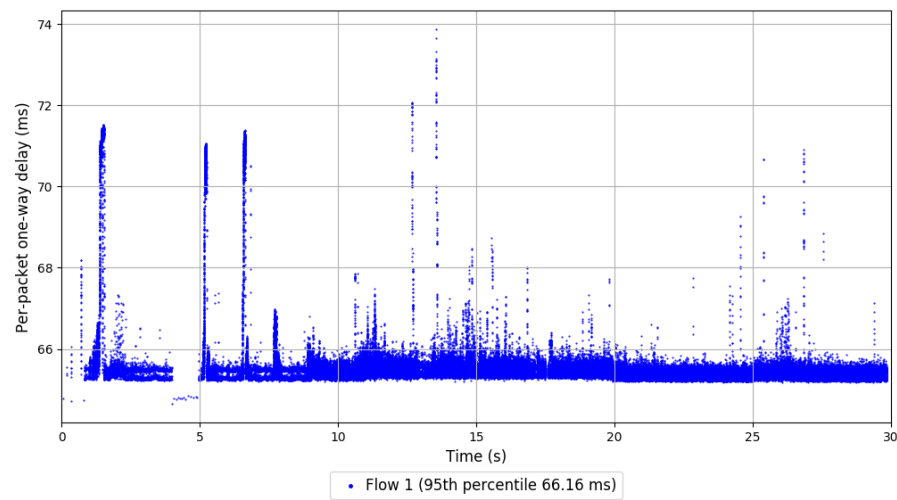
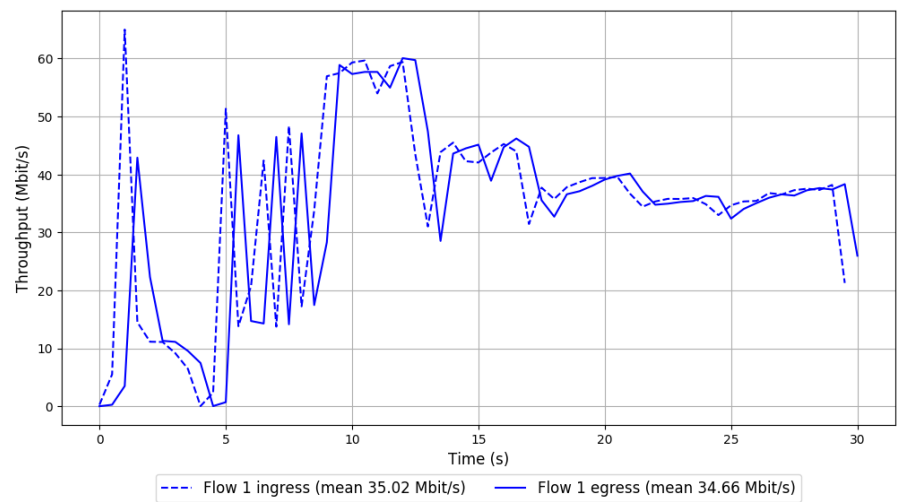
-- Flow 1:

Average throughput: 34.66 Mbit/s

95th percentile per-packet one-way delay: 66.155 ms

Loss rate: 1.02%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-06-05 06:36:57

End at: 2018-06-05 06:37:27

Local clock offset: 6.417 ms

Remote clock offset: -2.473 ms

Below is generated by plot.py at 2018-06-05 08:01:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.97 Mbit/s

95th percentile per-packet one-way delay: 66.121 ms

Loss rate: 0.85%

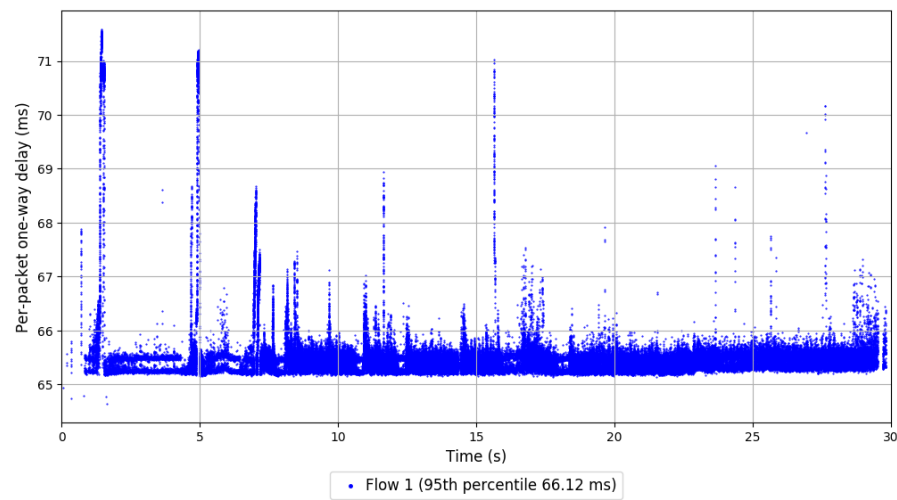
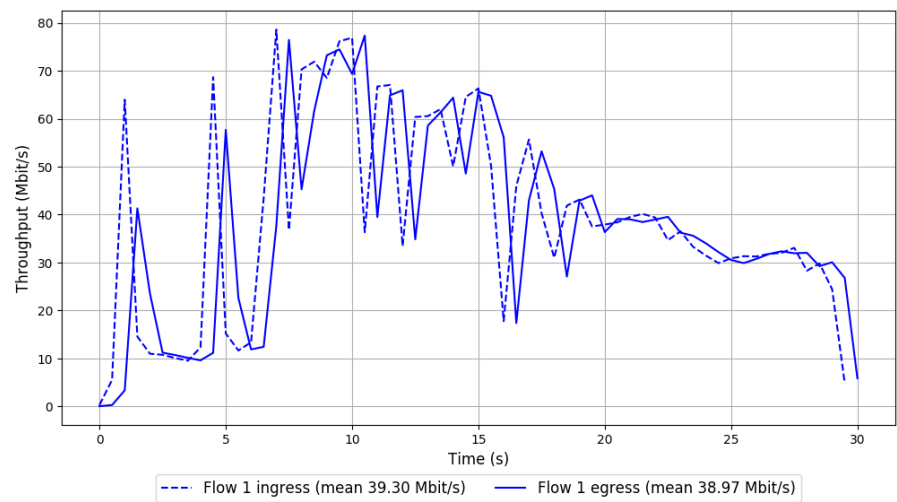
-- Flow 1:

Average throughput: 38.97 Mbit/s

95th percentile per-packet one-way delay: 66.121 ms

Loss rate: 0.85%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-06-05 06:57:49

End at: 2018-06-05 06:58:19

Local clock offset: 5.819 ms

Remote clock offset: -2.31 ms

Below is generated by plot.py at 2018-06-05 08:01:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.57 Mbit/s

95th percentile per-packet one-way delay: 66.046 ms

Loss rate: 0.58%

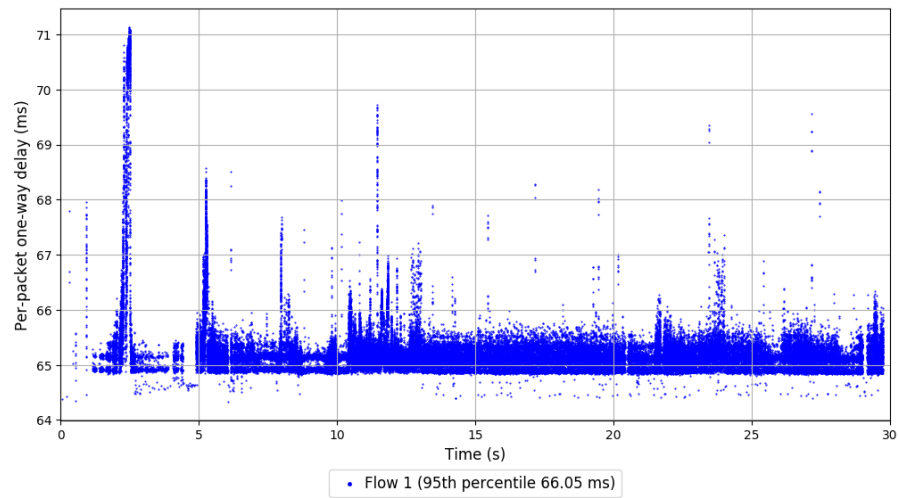
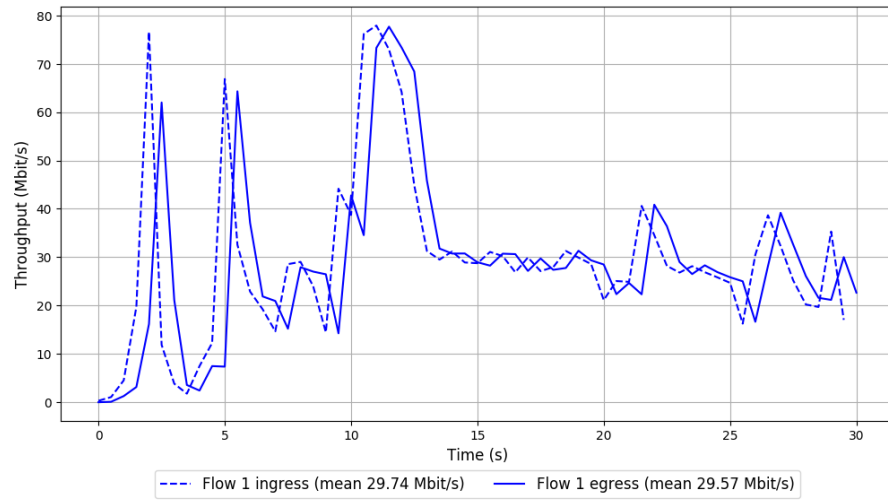
-- Flow 1:

Average throughput: 29.57 Mbit/s

95th percentile per-packet one-way delay: 66.046 ms

Loss rate: 0.58%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-06-05 07:19:53

End at: 2018-06-05 07:20:23

Local clock offset: 7.111 ms

Remote clock offset: -5.943 ms

Below is generated by plot.py at 2018-06-05 08:01:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.98 Mbit/s

95th percentile per-packet one-way delay: 63.537 ms

Loss rate: 0.94%

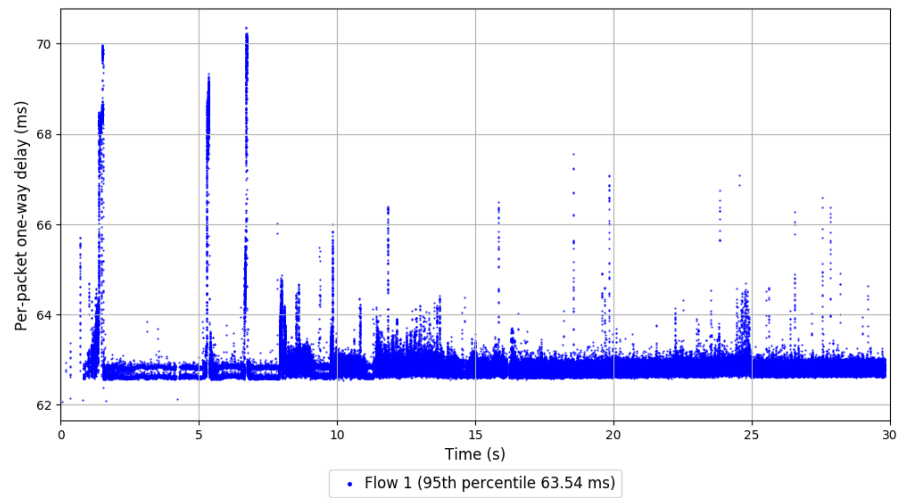
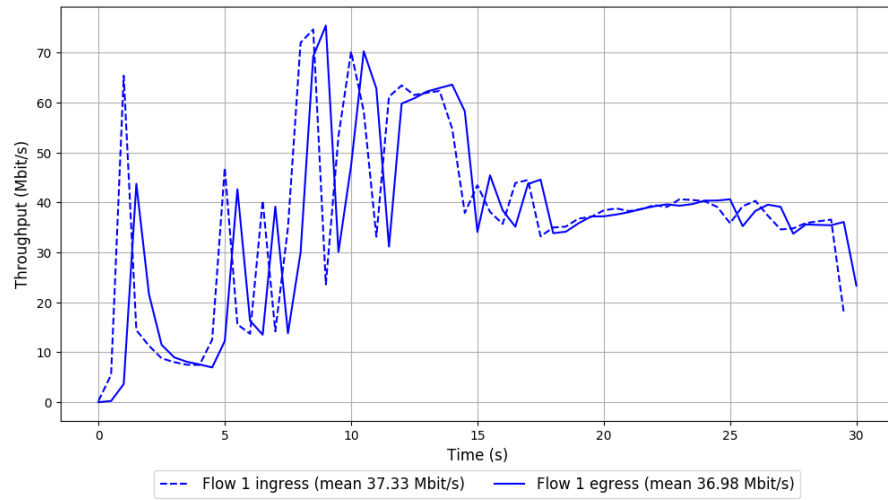
-- Flow 1:

Average throughput: 36.98 Mbit/s

95th percentile per-packet one-way delay: 63.537 ms

Loss rate: 0.94%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-06-05 07:40:46

End at: 2018-06-05 07:41:16

Local clock offset: 7.876 ms

Remote clock offset: -3.715 ms

Below is generated by plot.py at 2018-06-05 08:01:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.88 Mbit/s

95th percentile per-packet one-way delay: 65.597 ms

Loss rate: 0.09%

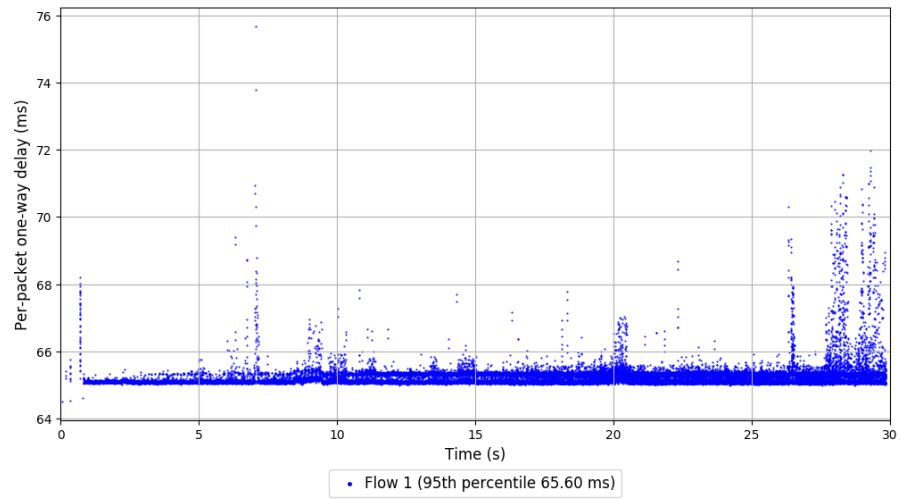
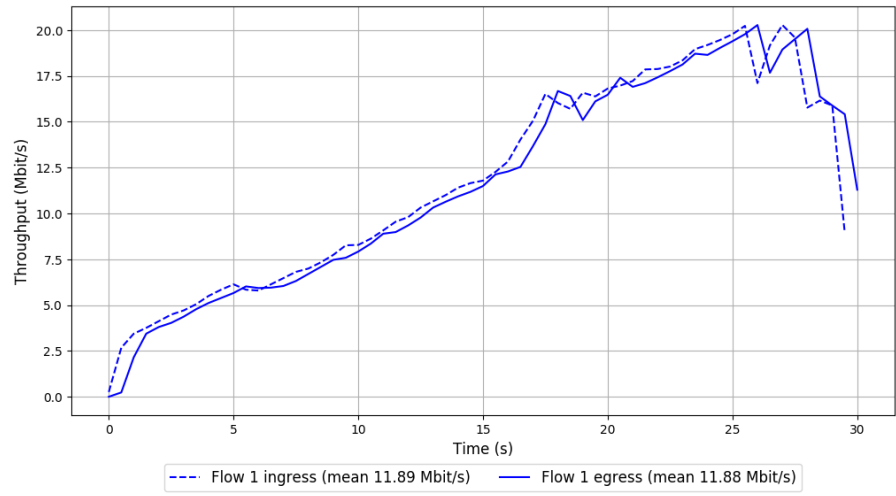
-- Flow 1:

Average throughput: 11.88 Mbit/s

95th percentile per-packet one-way delay: 65.597 ms

Loss rate: 0.09%

Run 10: Report of QUIC Cubic — Data Link

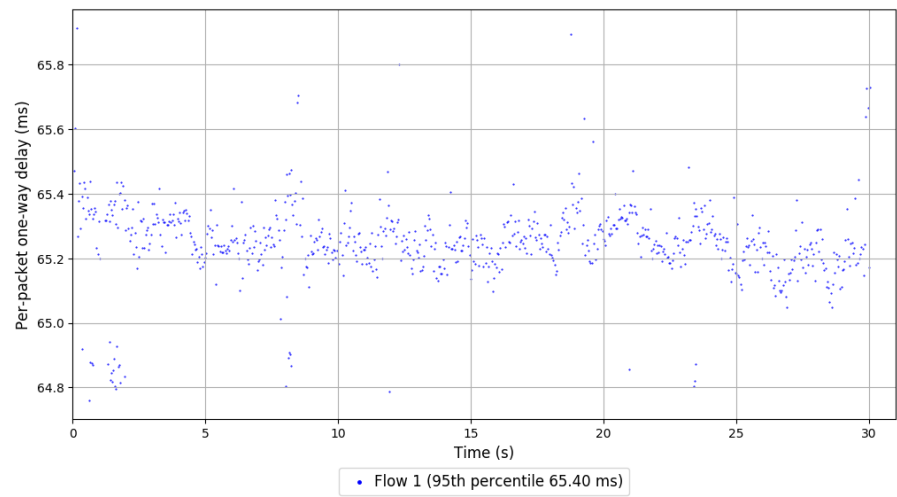
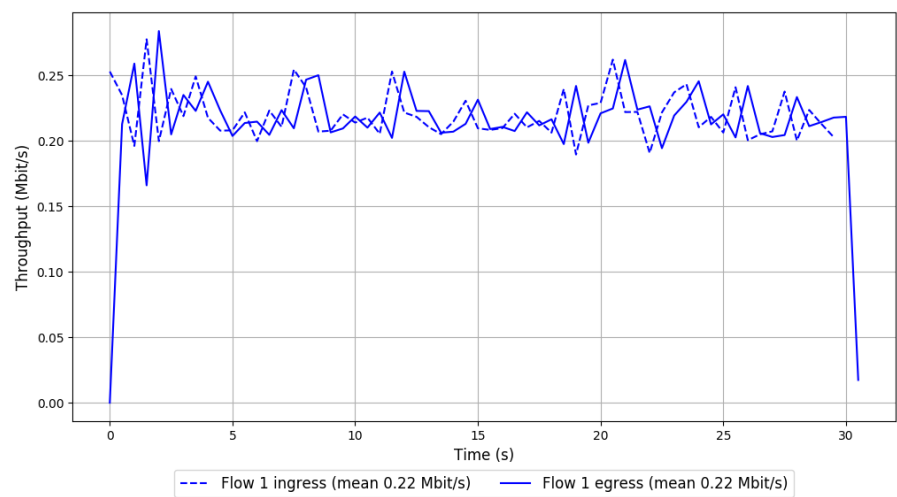


Run 1: Statistics of SCReAM

Start at: 2018-06-05 04:20:53
End at: 2018-06-05 04:21:23
Local clock offset: 7.289 ms
Remote clock offset: -5.426 ms

Below is generated by plot.py at 2018-06-05 08:01:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.399 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.399 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

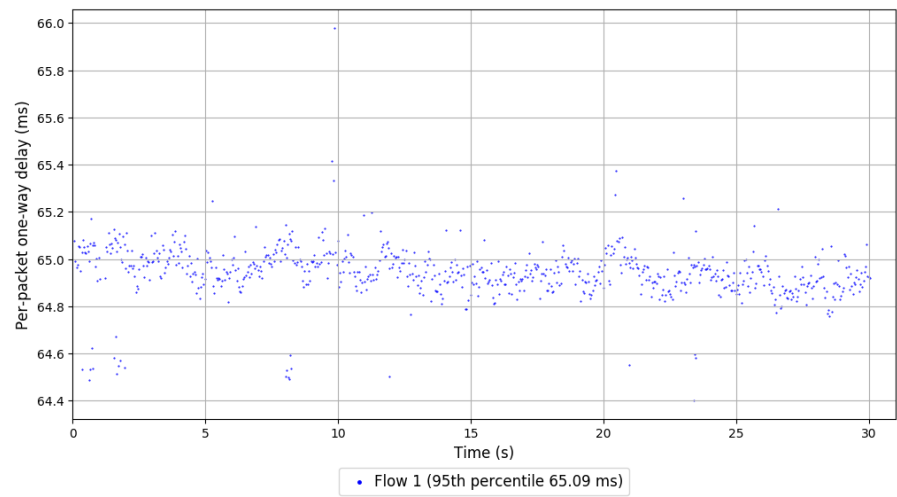
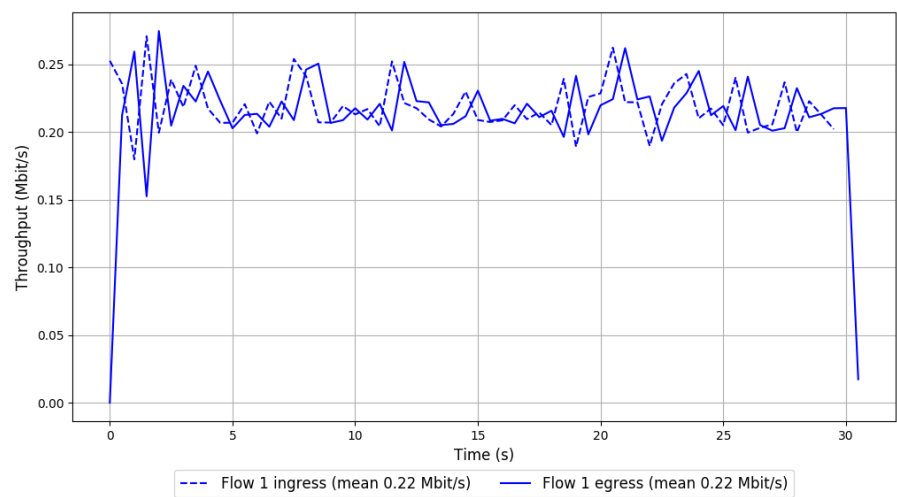


Run 2: Statistics of SCReAM

Start at: 2018-06-05 04:41:46
End at: 2018-06-05 04:42:16
Local clock offset: 6.755 ms
Remote clock offset: -3.661 ms

Below is generated by plot.py at 2018-06-05 08:01:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.087 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.087 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-06-05 05:02:43

End at: 2018-06-05 05:03:14

Local clock offset: 5.552 ms

Remote clock offset: -5.401 ms

Below is generated by plot.py at 2018-06-05 08:01:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 65.155 ms

Loss rate: 0.00%

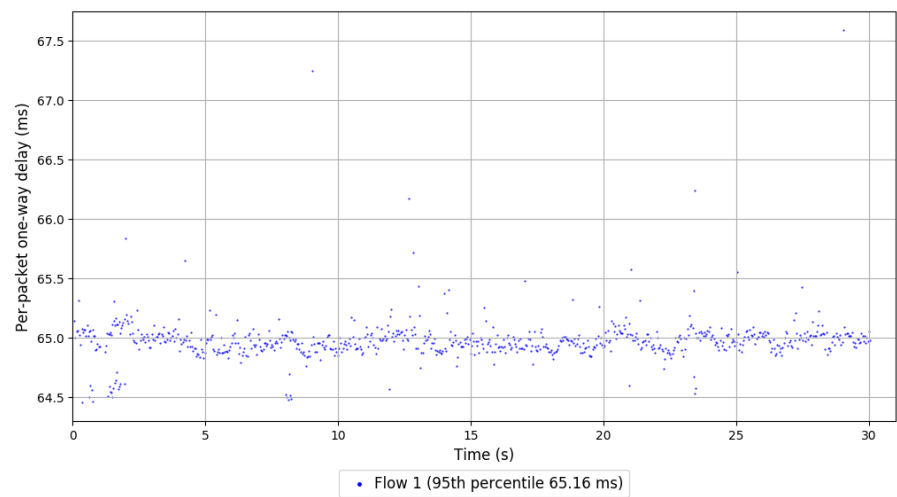
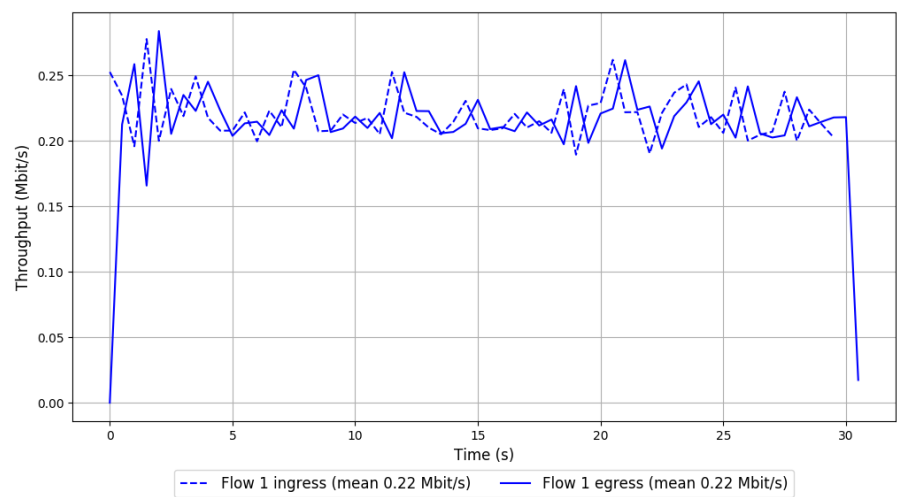
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 65.155 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

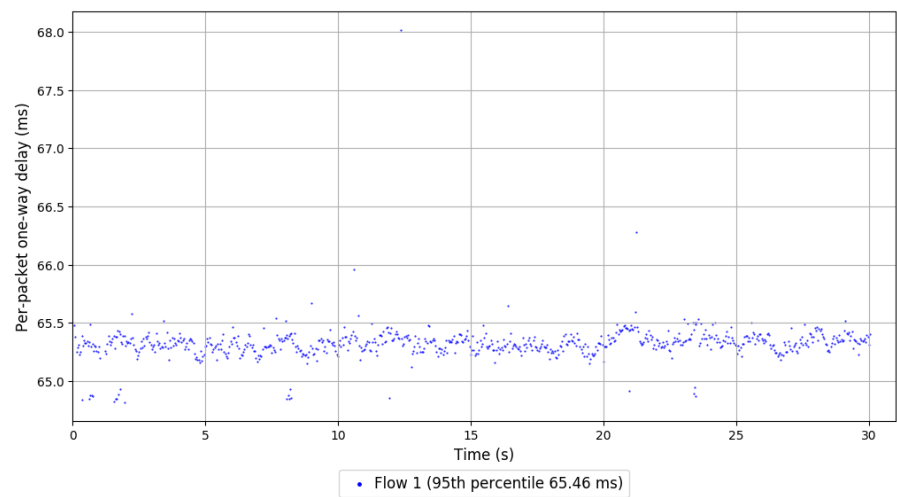
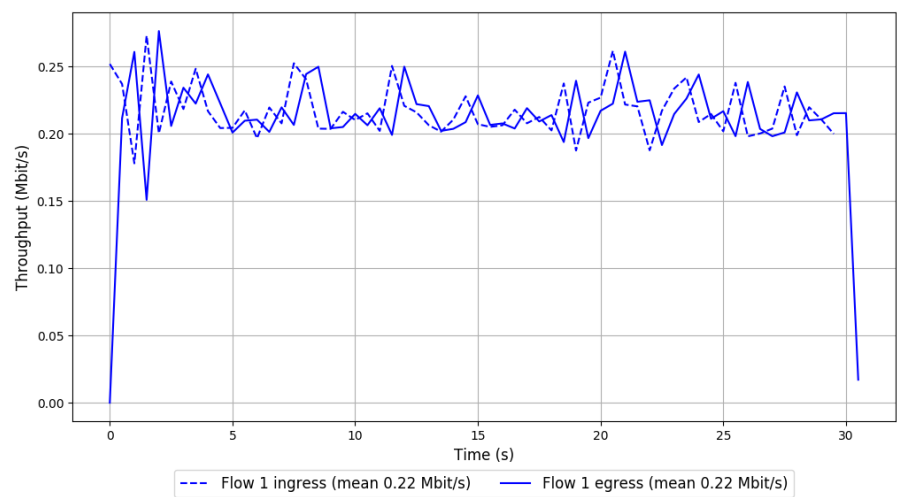


Run 4: Statistics of SCReAM

Start at: 2018-06-05 05:23:48
End at: 2018-06-05 05:24:18
Local clock offset: 6.793 ms
Remote clock offset: -6.377 ms

Below is generated by plot.py at 2018-06-05 08:01:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.463 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.463 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

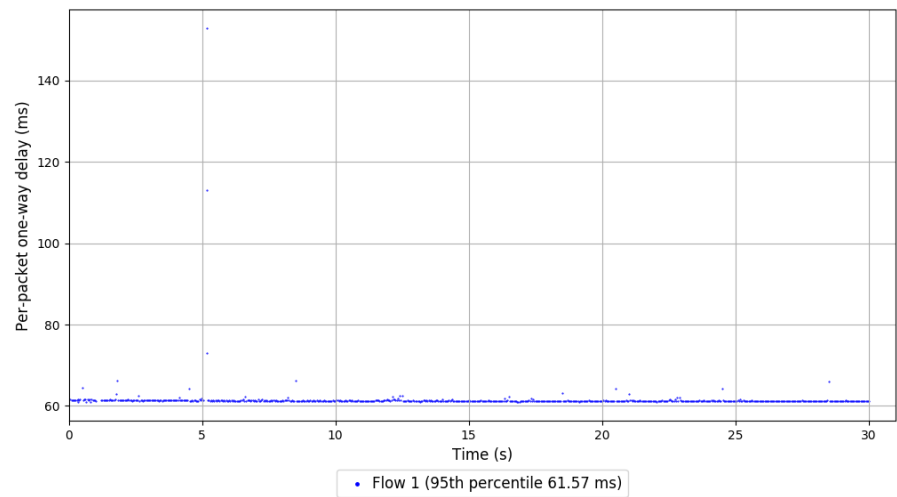
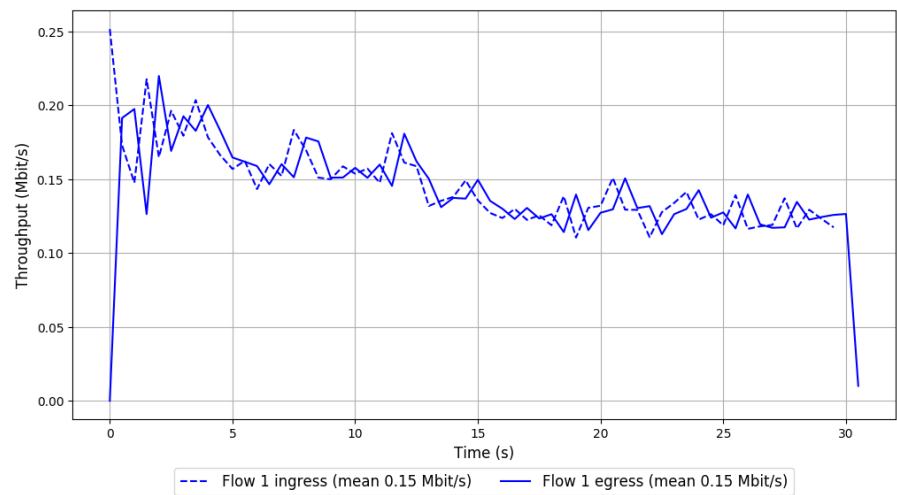


Run 5: Statistics of SCReAM

Start at: 2018-06-05 05:44:44
End at: 2018-06-05 05:45:14
Local clock offset: 7.39 ms
Remote clock offset: -7.328 ms

Below is generated by plot.py at 2018-06-05 08:01:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 61.572 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 61.572 ms
Loss rate: 0.38%

Run 5: Report of SReAM — Data Link

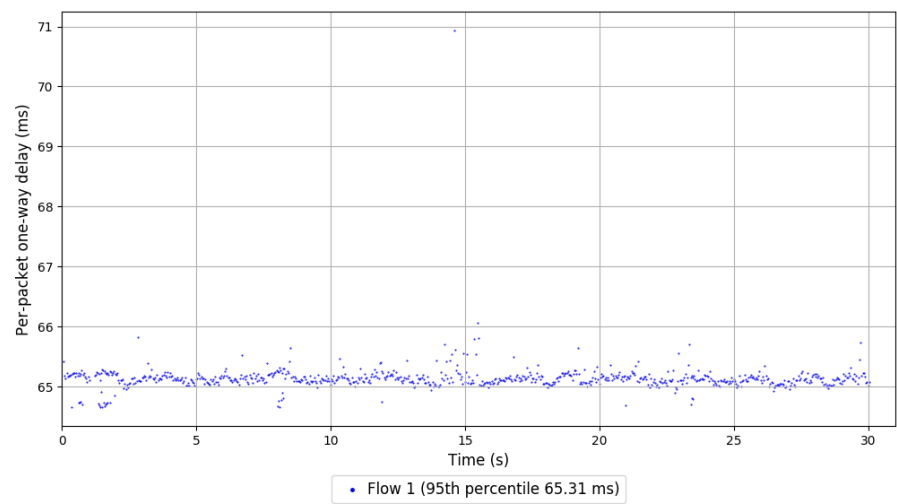
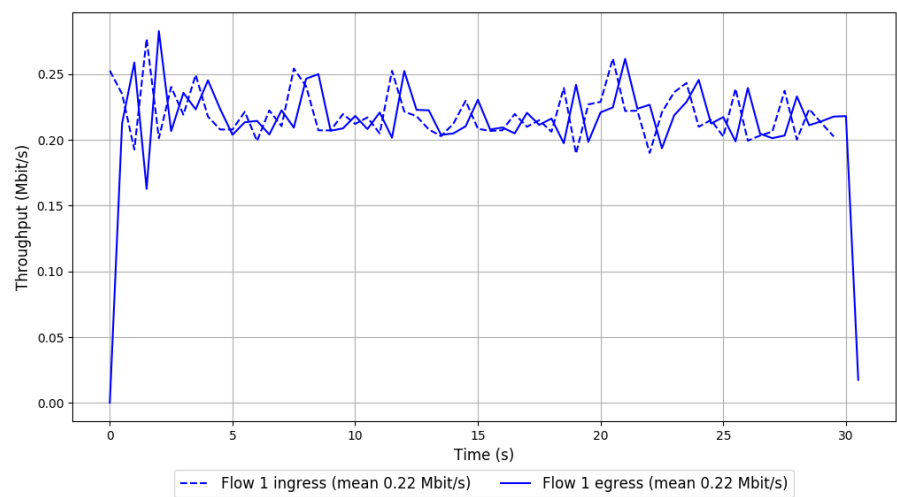


Run 6: Statistics of SCReAM

Start at: 2018-06-05 06:05:38
End at: 2018-06-05 06:06:08
Local clock offset: 7.497 ms
Remote clock offset: -3.015 ms

Below is generated by plot.py at 2018-06-05 08:01:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.315 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.315 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

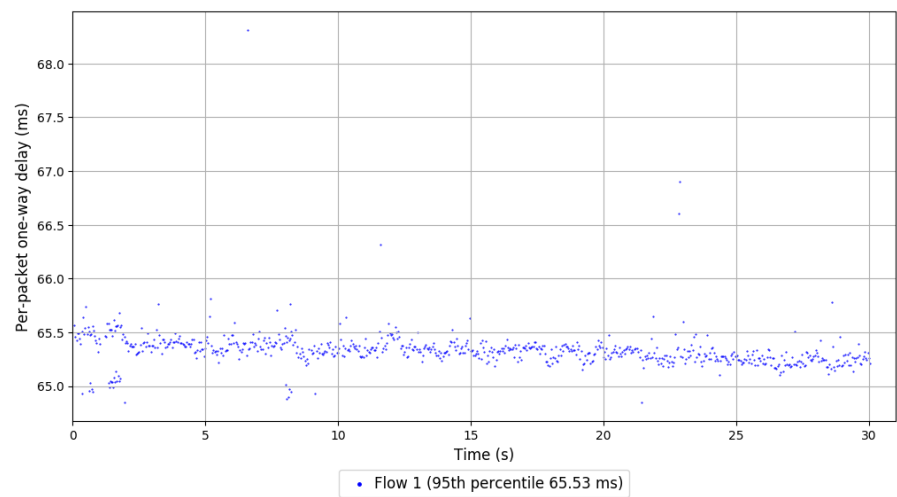
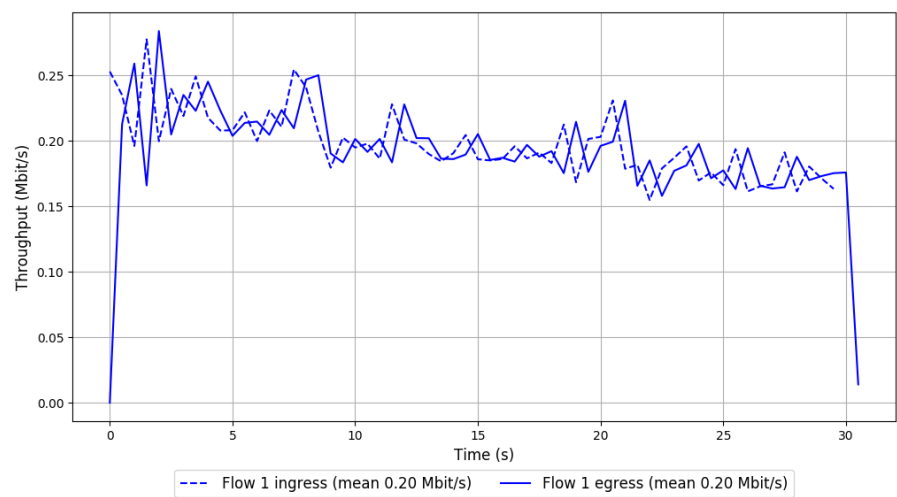


Run 7: Statistics of SCReAM

Start at: 2018-06-05 06:26:30
End at: 2018-06-05 06:27:00
Local clock offset: 6.702 ms
Remote clock offset: -2.579 ms

Below is generated by plot.py at 2018-06-05 08:01:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 65.527 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 65.527 ms
Loss rate: 0.28%

Run 7: Report of SReAM — Data Link

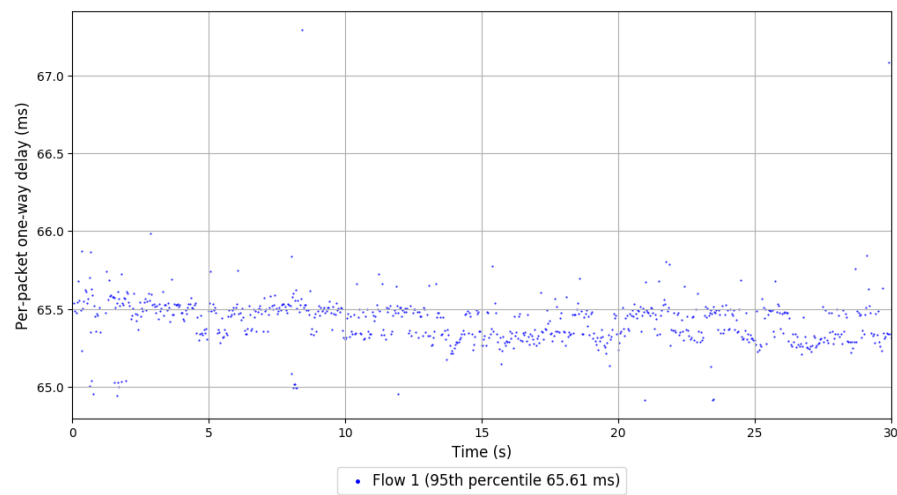
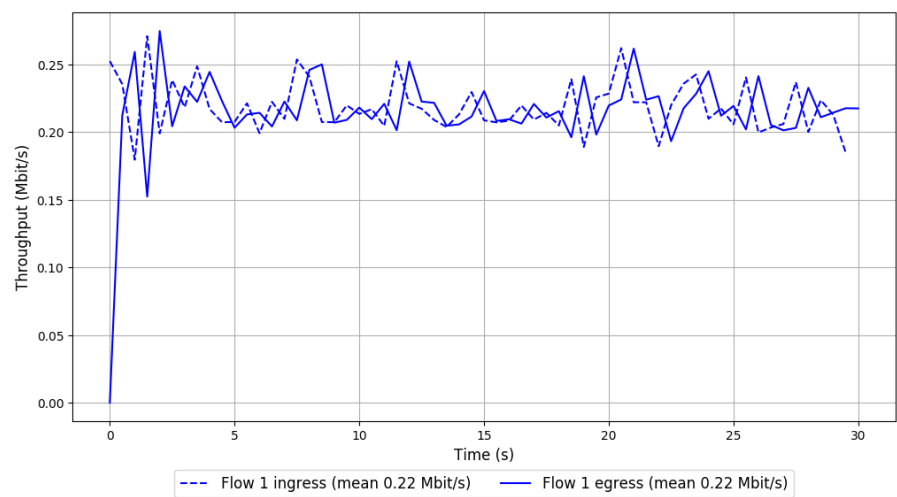


Run 8: Statistics of SCReAM

Start at: 2018-06-05 06:47:20
End at: 2018-06-05 06:47:50
Local clock offset: 6.029 ms
Remote clock offset: -2.613 ms

Below is generated by plot.py at 2018-06-05 08:01:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.612 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.612 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-06-05 07:09:24

End at: 2018-06-05 07:09:54

Local clock offset: 5.538 ms

Remote clock offset: -2.345 ms

Below is generated by plot.py at 2018-06-05 08:01:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 65.655 ms

Loss rate: 0.00%

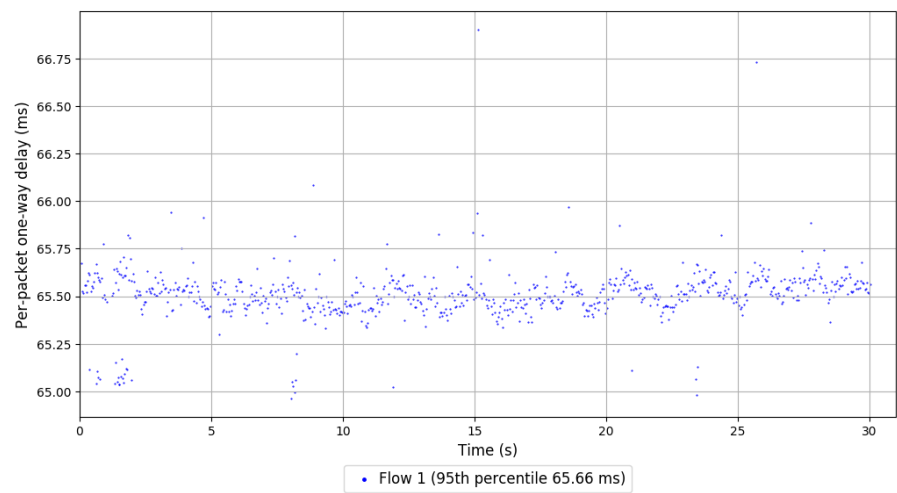
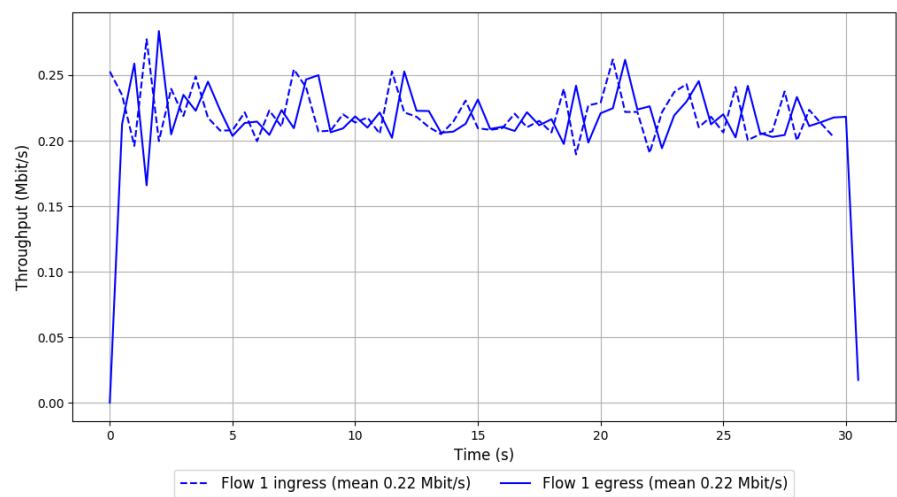
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 65.655 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-06-05 07:30:19

End at: 2018-06-05 07:30:49

Local clock offset: 7.465 ms

Remote clock offset: -3.57 ms

Below is generated by plot.py at 2018-06-05 08:01:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 65.797 ms

Loss rate: 0.00%

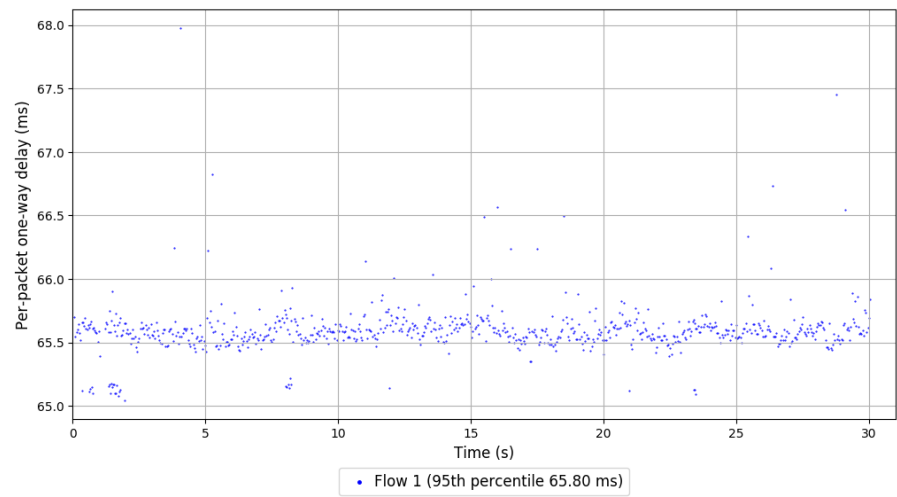
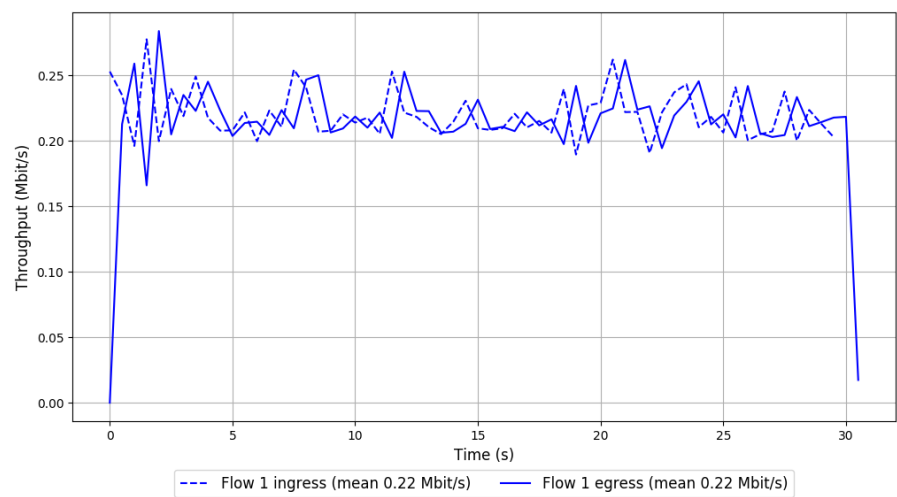
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 65.797 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

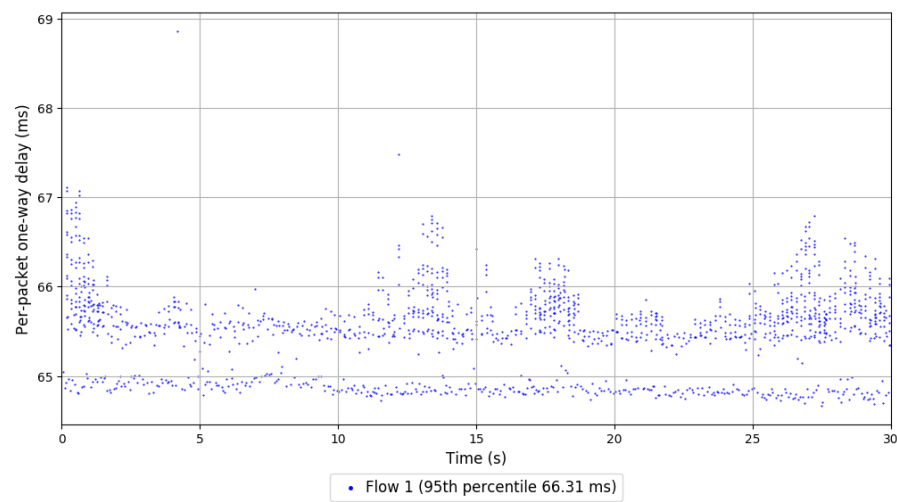
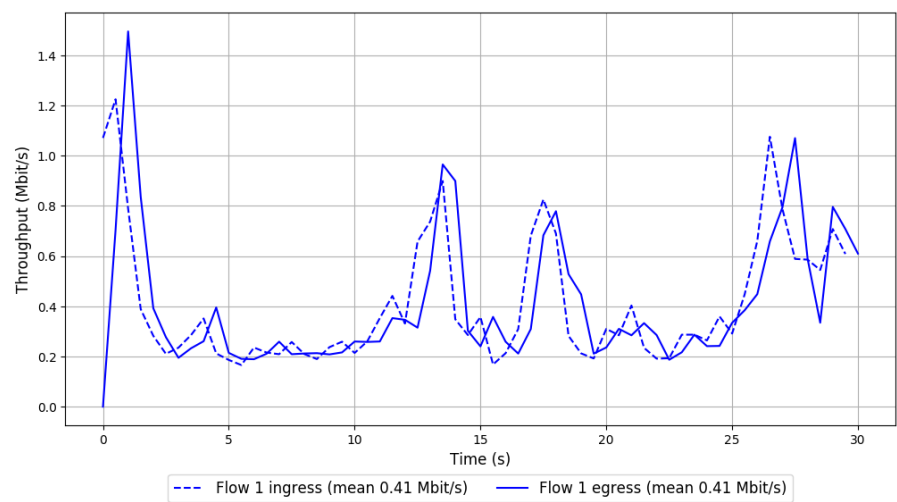


Run 1: Statistics of Sprout

Start at: 2018-06-05 04:22:08
End at: 2018-06-05 04:22:38
Local clock offset: 7.242 ms
Remote clock offset: -5.182 ms

Below is generated by plot.py at 2018-06-05 08:01:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 66.305 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 66.305 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

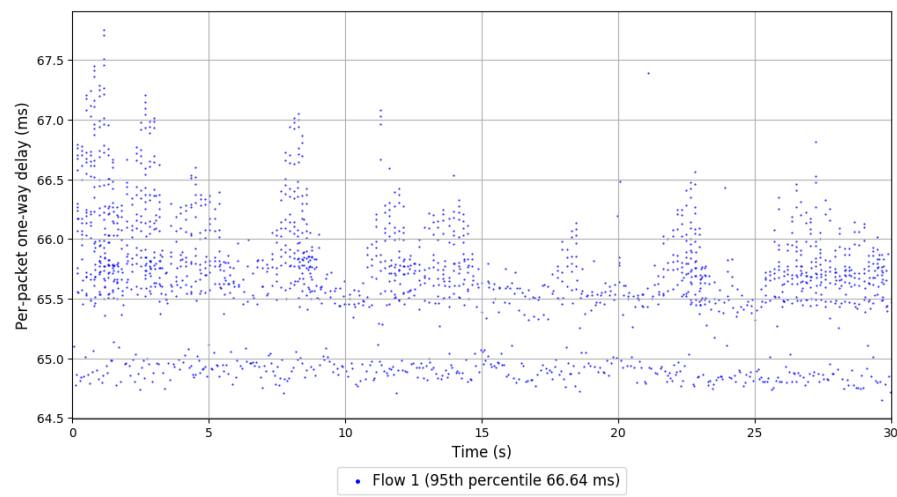
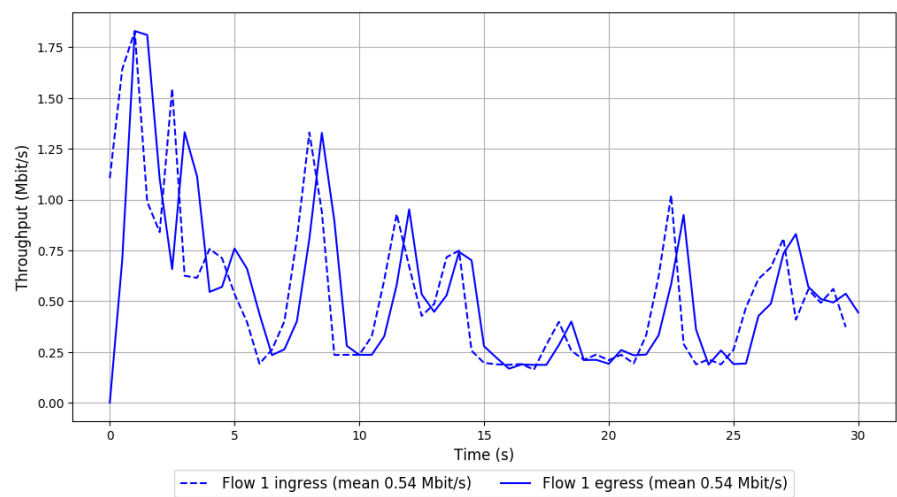


Run 2: Statistics of Sprout

Start at: 2018-06-05 04:43:01
End at: 2018-06-05 04:43:31
Local clock offset: 6.482 ms
Remote clock offset: -3.636 ms

Below is generated by plot.py at 2018-06-05 08:01:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 66.643 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 66.643 ms
Loss rate: 0.22%

Run 2: Report of Sprout — Data Link

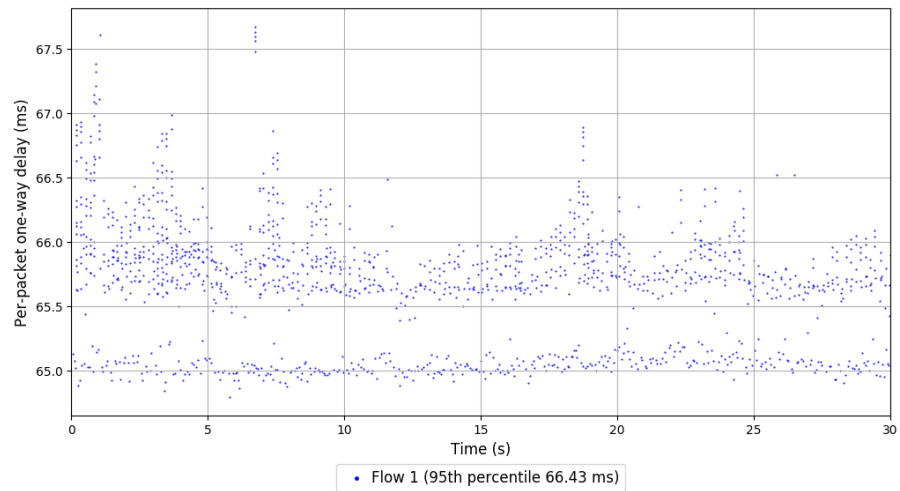
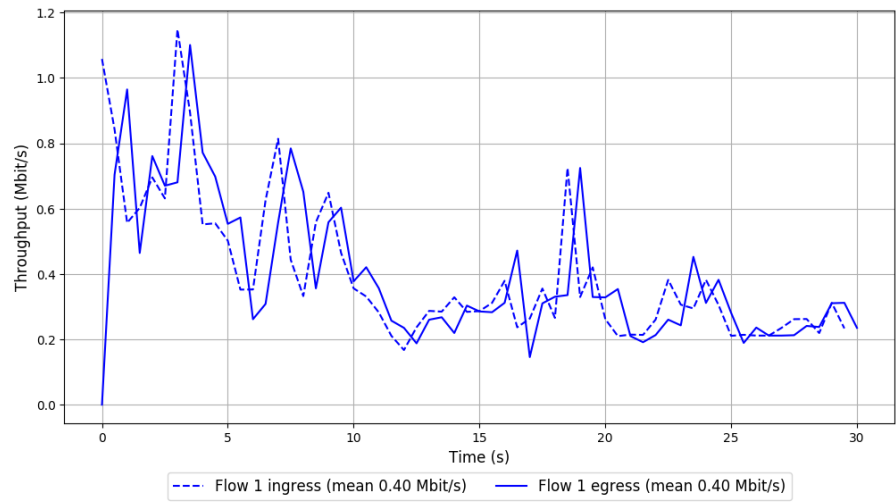


Run 3: Statistics of Sprout

Start at: 2018-06-05 05:03:59
End at: 2018-06-05 05:04:29
Local clock offset: 5.387 ms
Remote clock offset: -5.462 ms

Below is generated by plot.py at 2018-06-05 08:01:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 66.434 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 66.434 ms
Loss rate: 0.47%

Run 3: Report of Sprout — Data Link

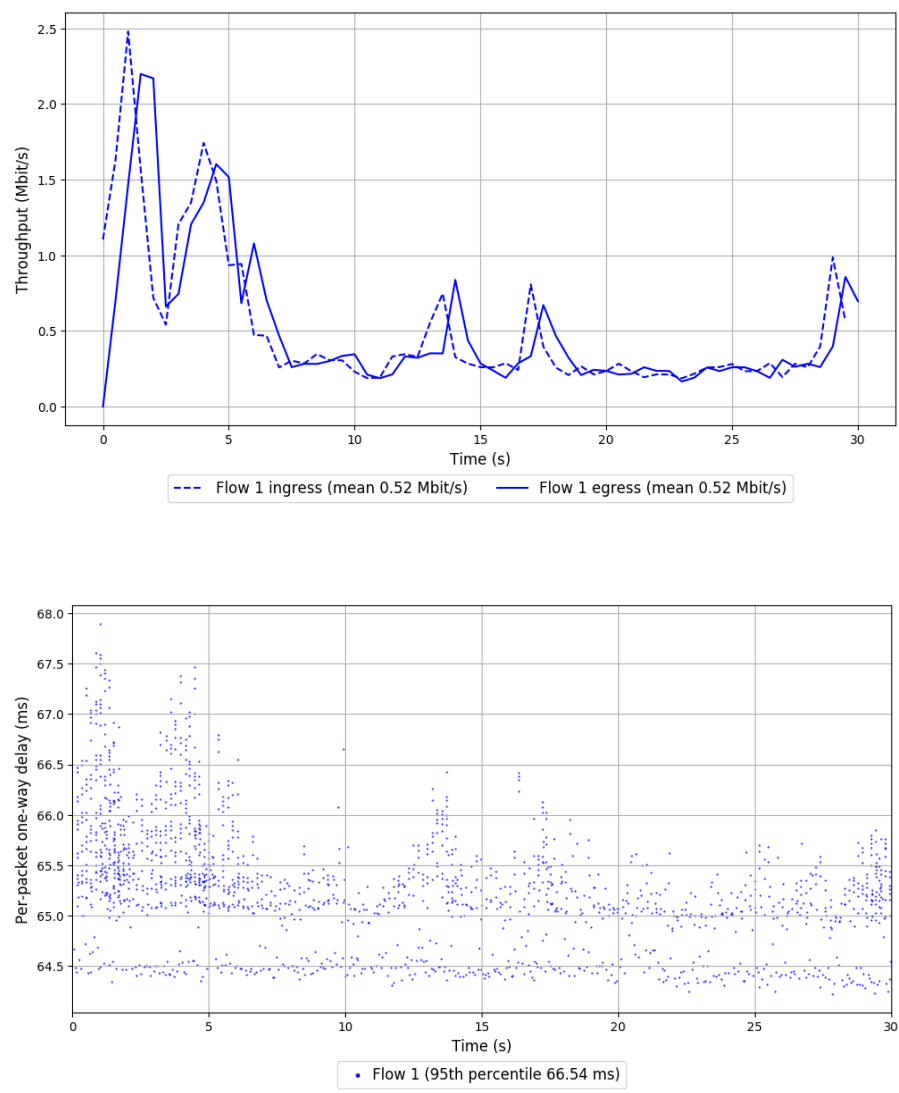


Run 4: Statistics of Sprout

Start at: 2018-06-05 05:25:03
End at: 2018-06-05 05:25:33
Local clock offset: 7.096 ms
Remote clock offset: -6.395 ms

Below is generated by plot.py at 2018-06-05 08:01:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 66.544 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 66.544 ms
Loss rate: 0.31%

Run 4: Report of Sprout — Data Link

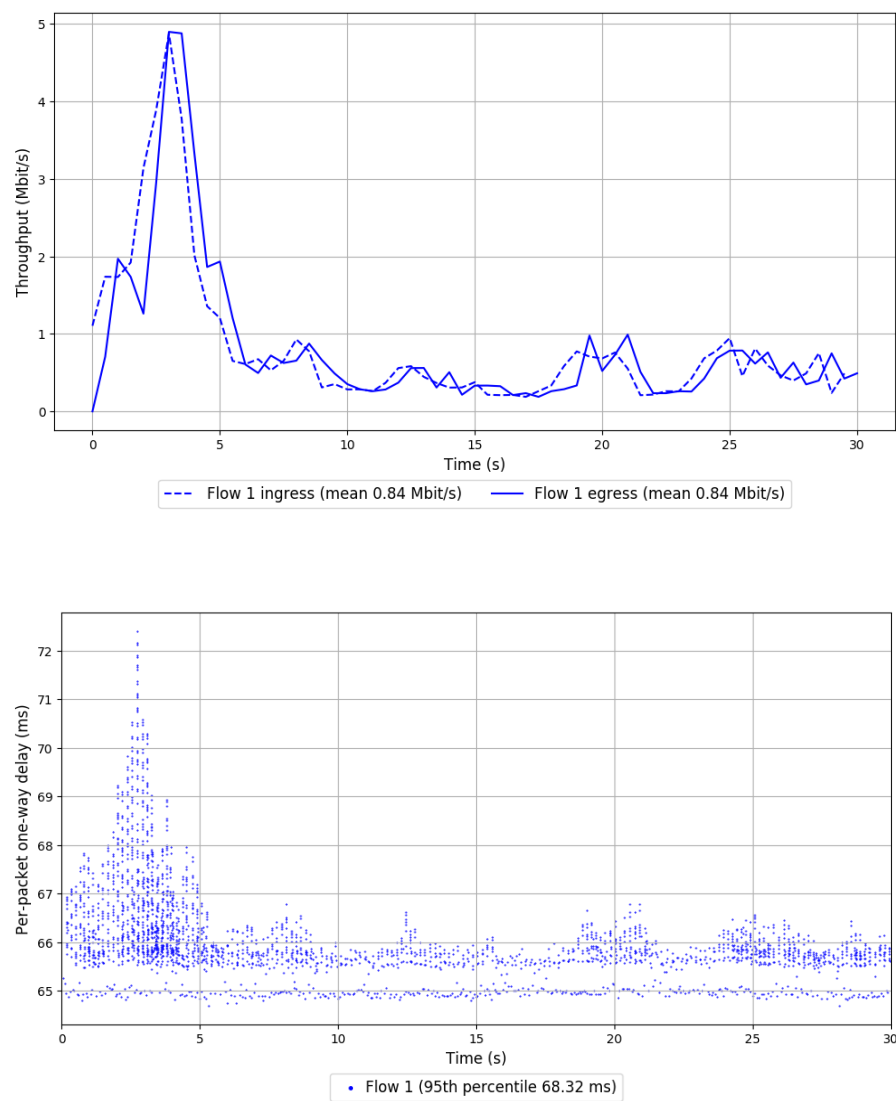


Run 5: Statistics of Sprout

Start at: 2018-06-05 05:45:59
End at: 2018-06-05 05:46:29
Local clock offset: 7.386 ms
Remote clock offset: -3.477 ms

Below is generated by plot.py at 2018-06-05 08:01:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.84 Mbit/s
95th percentile per-packet one-way delay: 68.318 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 0.84 Mbit/s
95th percentile per-packet one-way delay: 68.318 ms
Loss rate: 0.05%

Run 5: Report of Sprout — Data Link

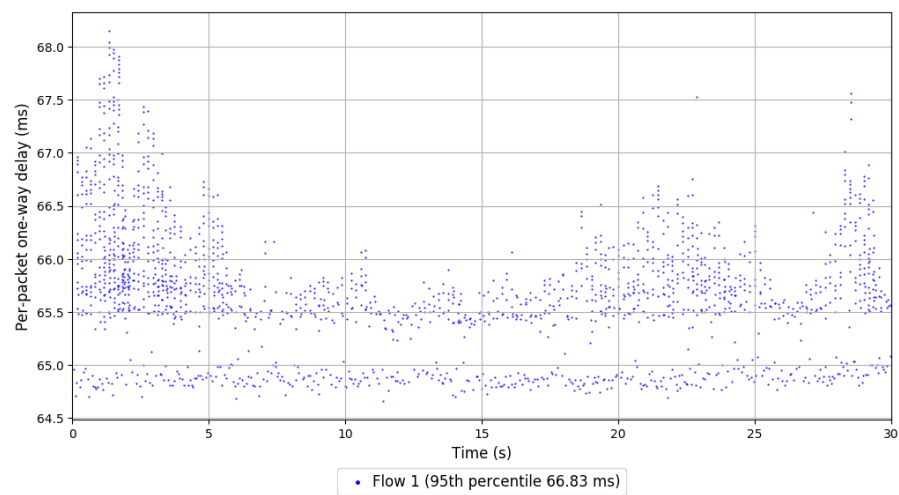
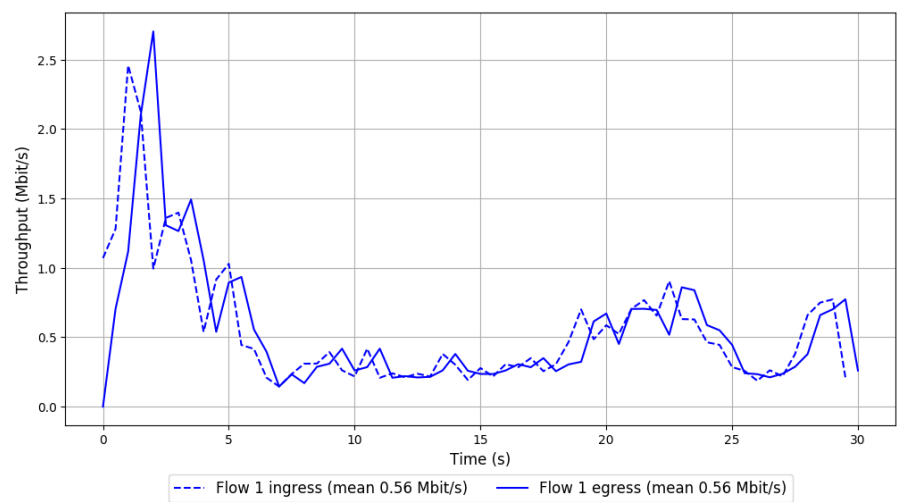


Run 6: Statistics of Sprout

Start at: 2018-06-05 06:06:53
End at: 2018-06-05 06:07:23
Local clock offset: 7.325 ms
Remote clock offset: -2.955 ms

Below is generated by plot.py at 2018-06-05 08:01:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 66.831 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 66.831 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

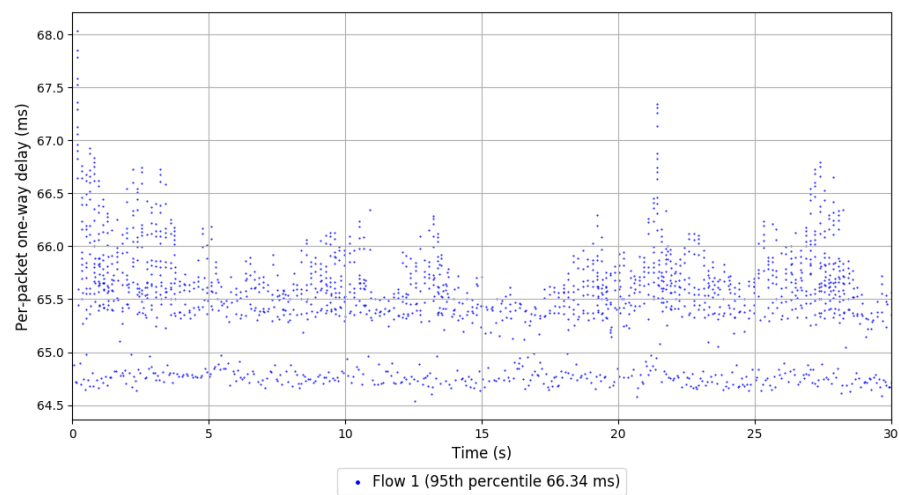
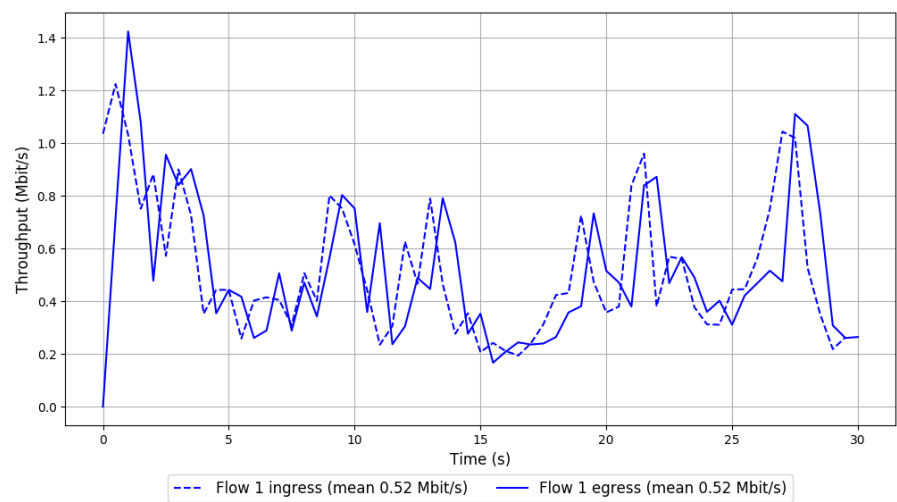


Run 7: Statistics of Sprout

Start at: 2018-06-05 06:27:45
End at: 2018-06-05 06:28:15
Local clock offset: 6.547 ms
Remote clock offset: -2.569 ms

Below is generated by plot.py at 2018-06-05 08:01:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 66.343 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 66.343 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

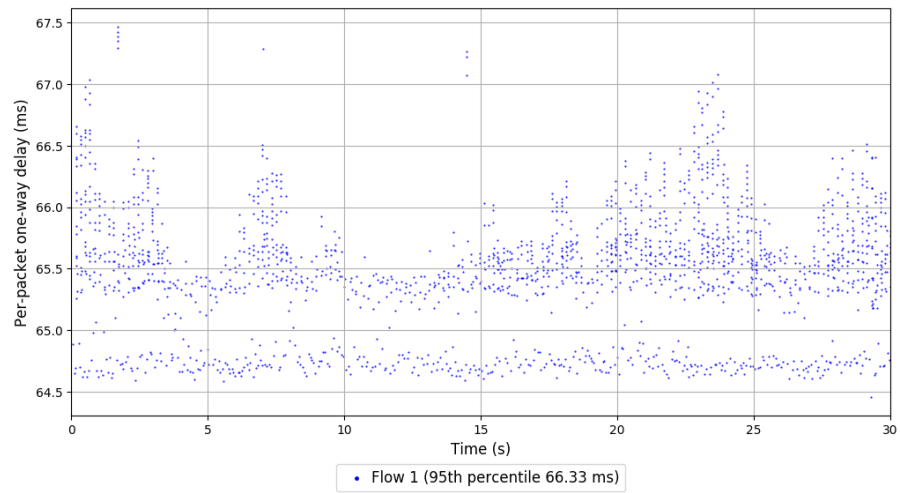
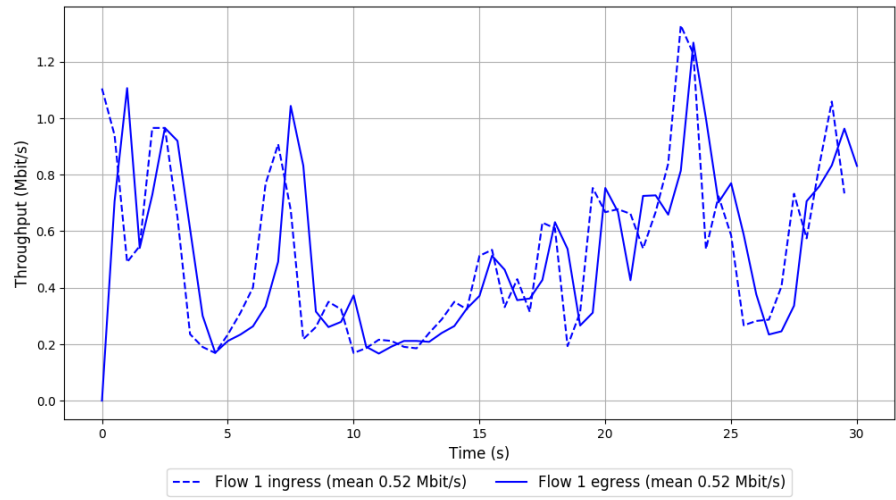


Run 8: Statistics of Sprout

Start at: 2018-06-05 06:48:35
End at: 2018-06-05 06:49:05
Local clock offset: 6.172 ms
Remote clock offset: -2.539 ms

Below is generated by plot.py at 2018-06-05 08:01:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 66.333 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 66.333 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

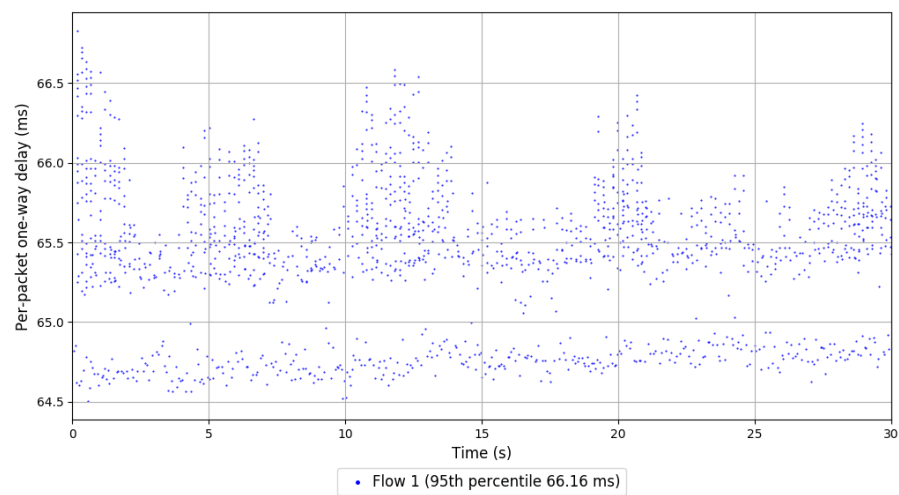
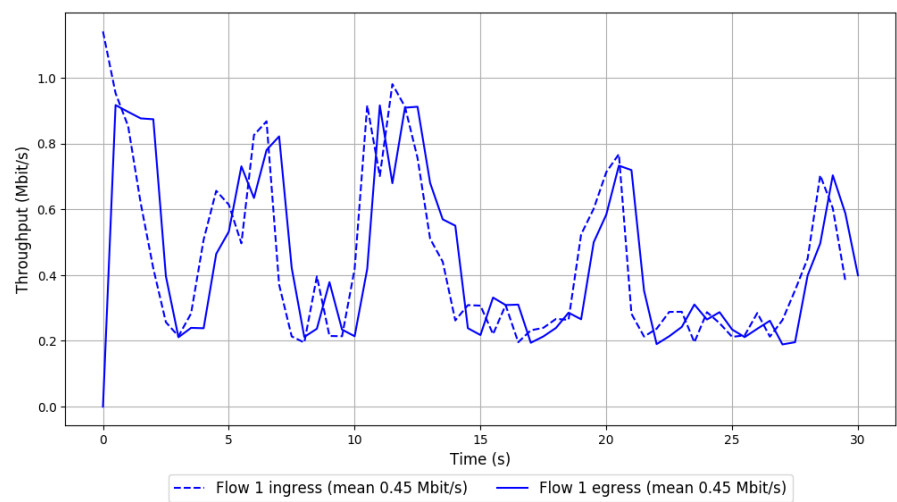


Run 9: Statistics of Sprout

Start at: 2018-06-05 07:10:40
End at: 2018-06-05 07:11:10
Local clock offset: 5.764 ms
Remote clock offset: -2.563 ms

Below is generated by plot.py at 2018-06-05 08:01:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 66.162 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 66.162 ms
Loss rate: 0.09%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-06-05 07:31:34

End at: 2018-06-05 07:32:04

Local clock offset: 7.647 ms

Remote clock offset: -3.575 ms

Below is generated by plot.py at 2018-06-05 08:01:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 66.664 ms

Loss rate: 0.15%

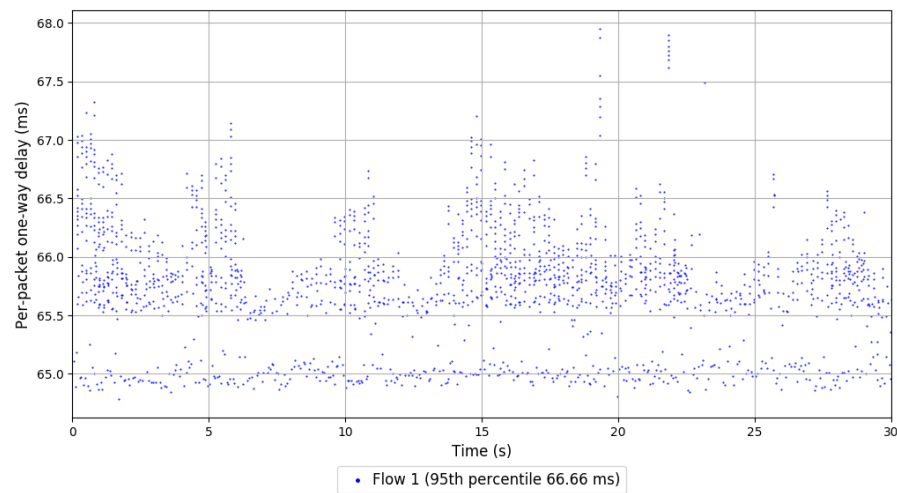
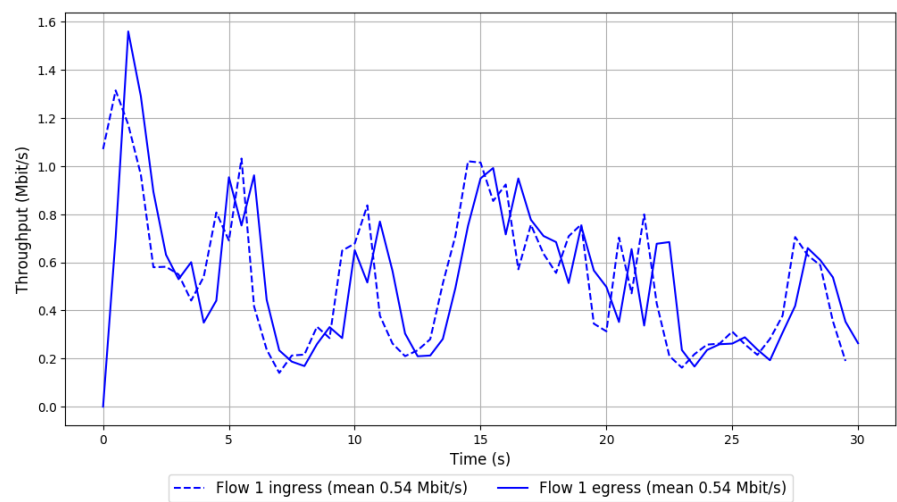
-- Flow 1:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 66.664 ms

Loss rate: 0.15%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-06-05 04:19:36

End at: 2018-06-05 04:20:06

Local clock offset: 7.458 ms

Remote clock offset: -5.657 ms

Below is generated by plot.py at 2018-06-05 08:01:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.97 Mbit/s

95th percentile per-packet one-way delay: 65.777 ms

Loss rate: 0.91%

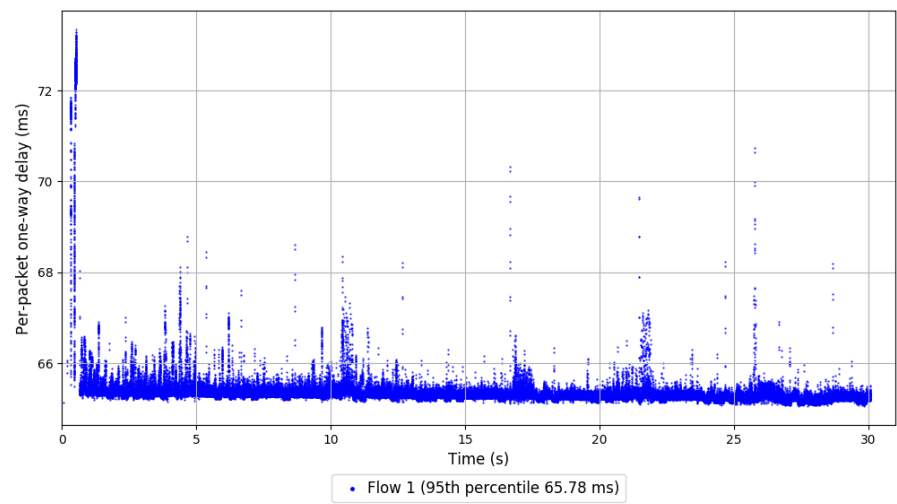
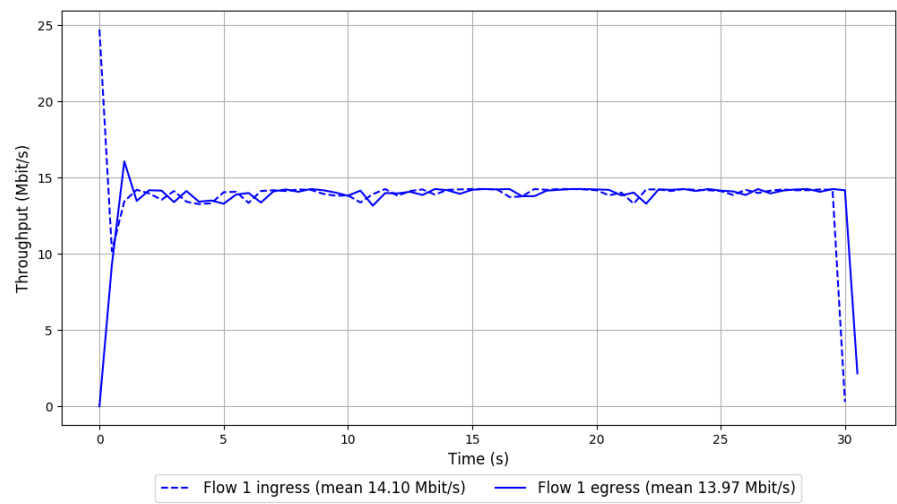
-- Flow 1:

Average throughput: 13.97 Mbit/s

95th percentile per-packet one-way delay: 65.777 ms

Loss rate: 0.91%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-06-05 04:40:29

End at: 2018-06-05 04:40:59

Local clock offset: 6.964 ms

Remote clock offset: -3.662 ms

Below is generated by plot.py at 2018-06-05 08:01:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.04 Mbit/s

95th percentile per-packet one-way delay: 69.204 ms

Loss rate: 2.39%

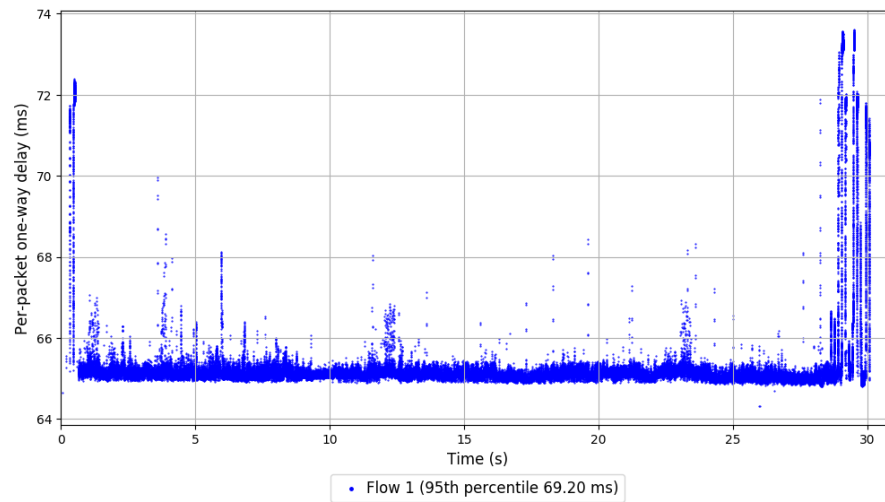
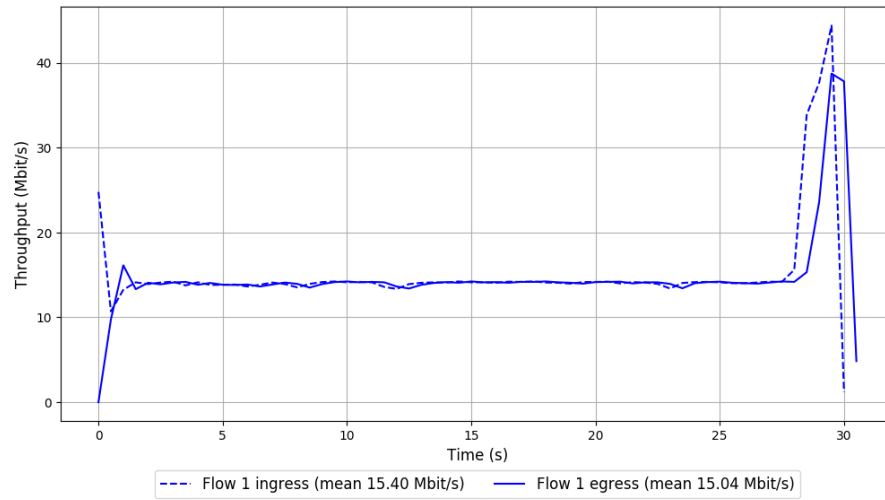
-- Flow 1:

Average throughput: 15.04 Mbit/s

95th percentile per-packet one-way delay: 69.204 ms

Loss rate: 2.39%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-06-05 05:01:22

End at: 2018-06-05 05:01:52

Local clock offset: 5.457 ms

Remote clock offset: -5.362 ms

Below is generated by plot.py at 2018-06-05 08:02:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.76 Mbit/s

95th percentile per-packet one-way delay: 77.616 ms

Loss rate: 1.23%

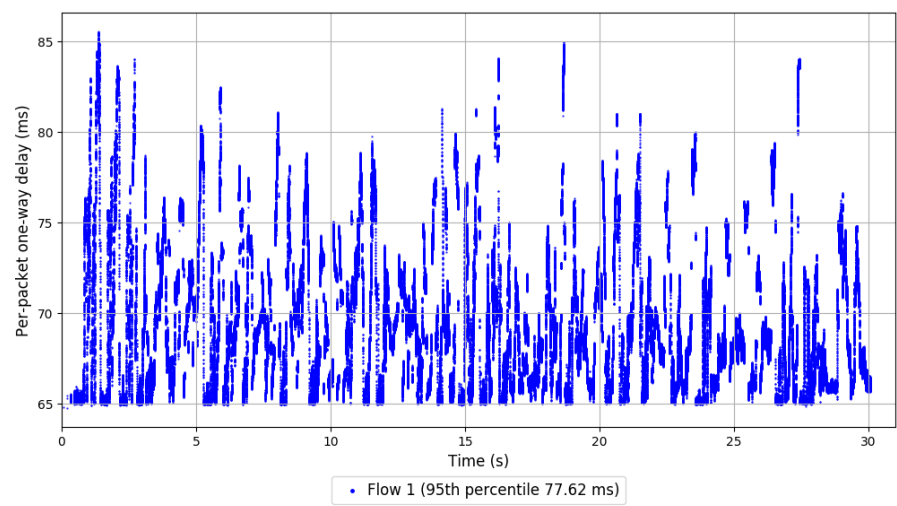
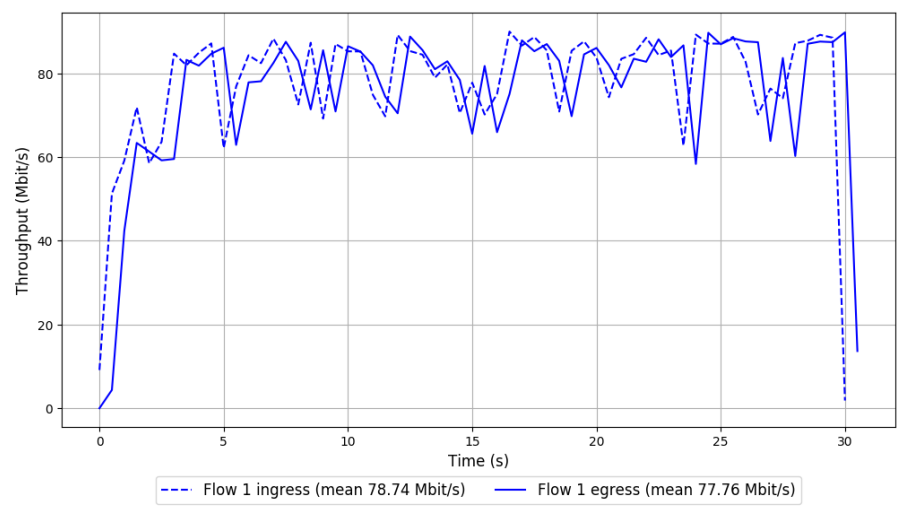
-- Flow 1:

Average throughput: 77.76 Mbit/s

95th percentile per-packet one-way delay: 77.616 ms

Loss rate: 1.23%

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

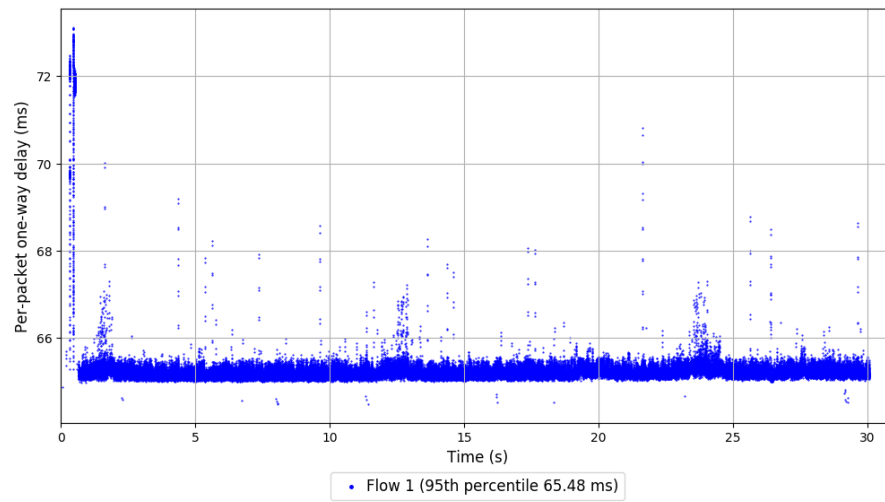
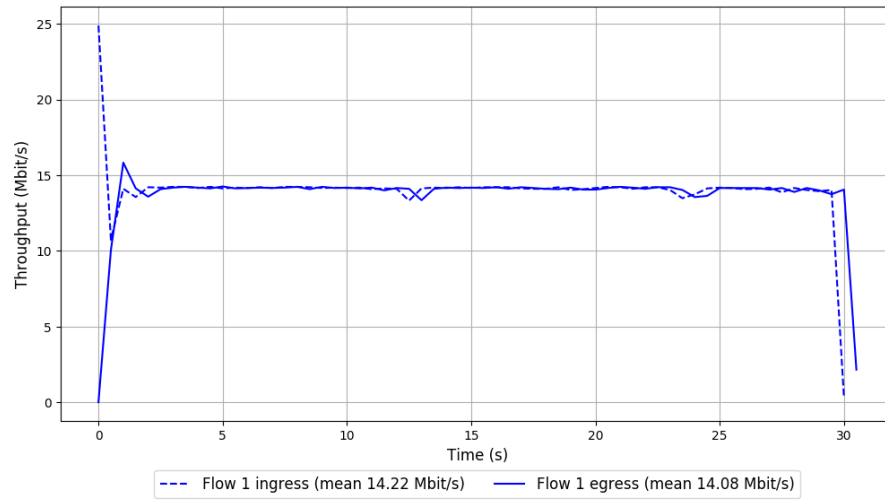


Run 4: Statistics of TaoVA-100x

Start at: 2018-06-05 05:22:31
End at: 2018-06-05 05:23:01
Local clock offset: 6.973 ms
Remote clock offset: -6.379 ms

Below is generated by plot.py at 2018-06-05 08:02:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 14.08 Mbit/s
95th percentile per-packet one-way delay: 65.479 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 14.08 Mbit/s
95th percentile per-packet one-way delay: 65.479 ms
Loss rate: 1.01%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-06-05 05:43:23

End at: 2018-06-05 05:43:53

Local clock offset: 7.515 ms

Remote clock offset: -3.74 ms

Below is generated by plot.py at 2018-06-05 08:02:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.63 Mbit/s

95th percentile per-packet one-way delay: 79.709 ms

Loss rate: 1.78%

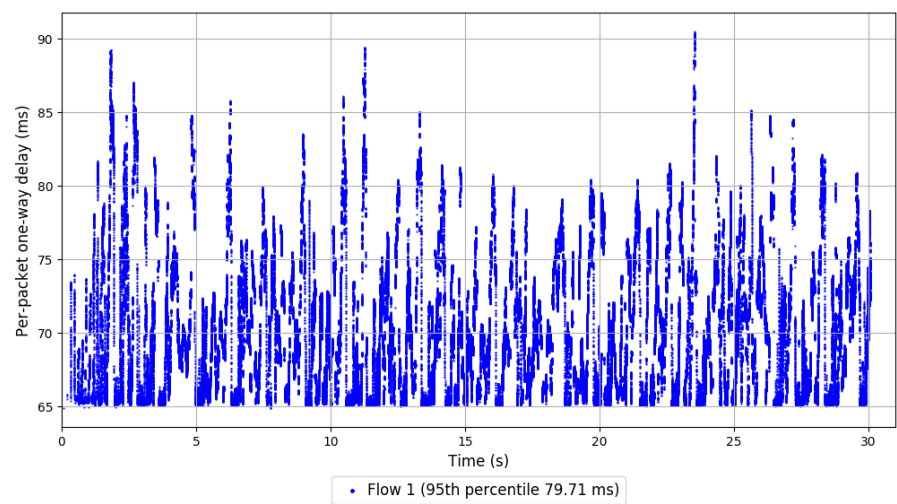
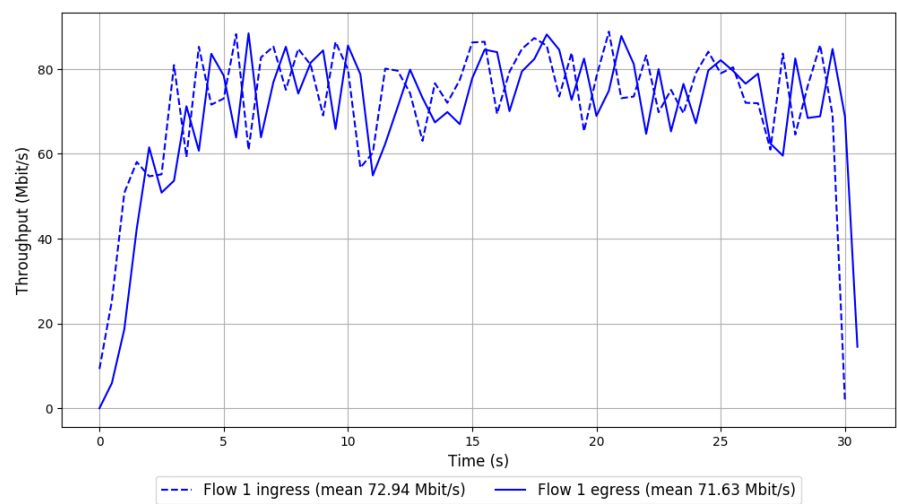
-- Flow 1:

Average throughput: 71.63 Mbit/s

95th percentile per-packet one-way delay: 79.709 ms

Loss rate: 1.78%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-06-05 06:04:21

End at: 2018-06-05 06:04:51

Local clock offset: 7.613 ms

Remote clock offset: -2.918 ms

Below is generated by plot.py at 2018-06-05 08:02:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.96 Mbit/s

95th percentile per-packet one-way delay: 65.699 ms

Loss rate: 0.99%

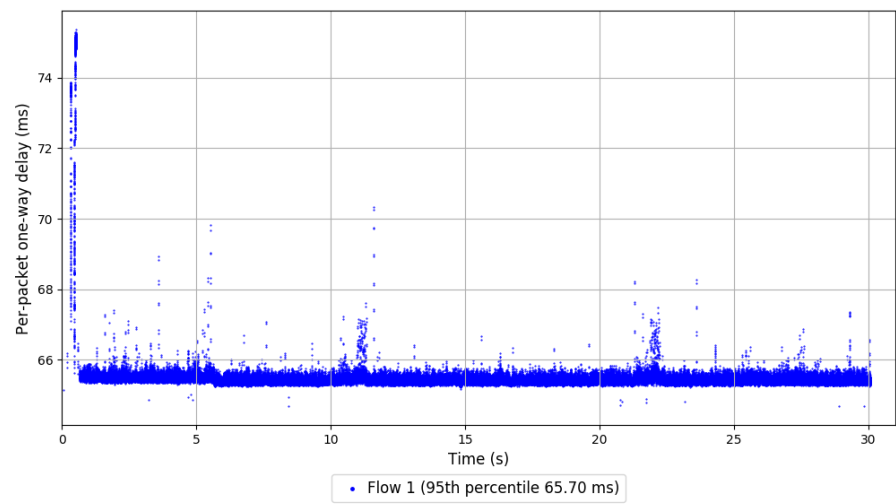
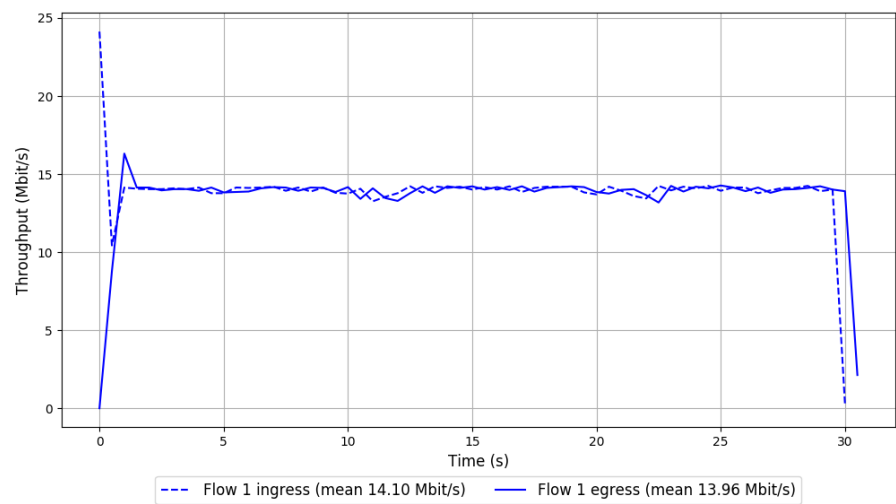
-- Flow 1:

Average throughput: 13.96 Mbit/s

95th percentile per-packet one-way delay: 65.699 ms

Loss rate: 0.99%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-06-05 06:25:13

End at: 2018-06-05 06:25:43

Local clock offset: 6.636 ms

Remote clock offset: -2.602 ms

Below is generated by plot.py at 2018-06-05 08:02:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.99 Mbit/s

95th percentile per-packet one-way delay: 65.799 ms

Loss rate: 0.97%

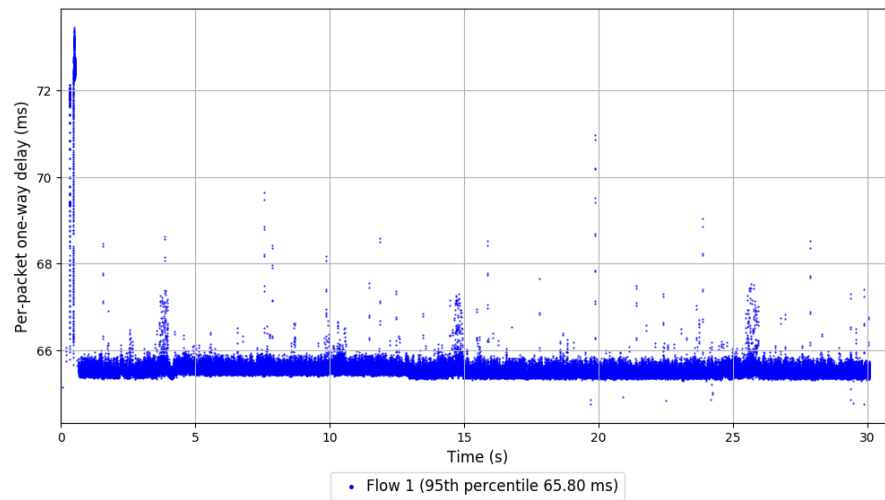
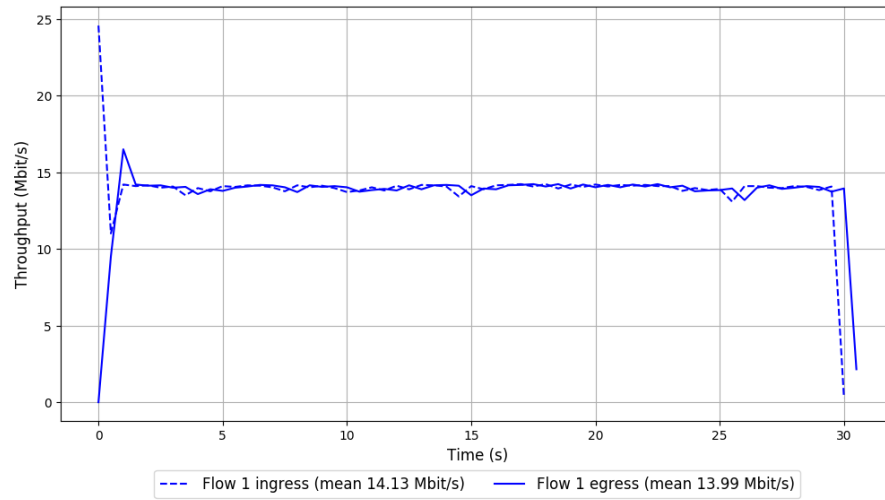
-- Flow 1:

Average throughput: 13.99 Mbit/s

95th percentile per-packet one-way delay: 65.799 ms

Loss rate: 0.97%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-06-05 06:46:03

End at: 2018-06-05 06:46:33

Local clock offset: 6.139 ms

Remote clock offset: -2.524 ms

Below is generated by plot.py at 2018-06-05 08:02:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.01 Mbit/s

95th percentile per-packet one-way delay: 65.745 ms

Loss rate: 0.92%

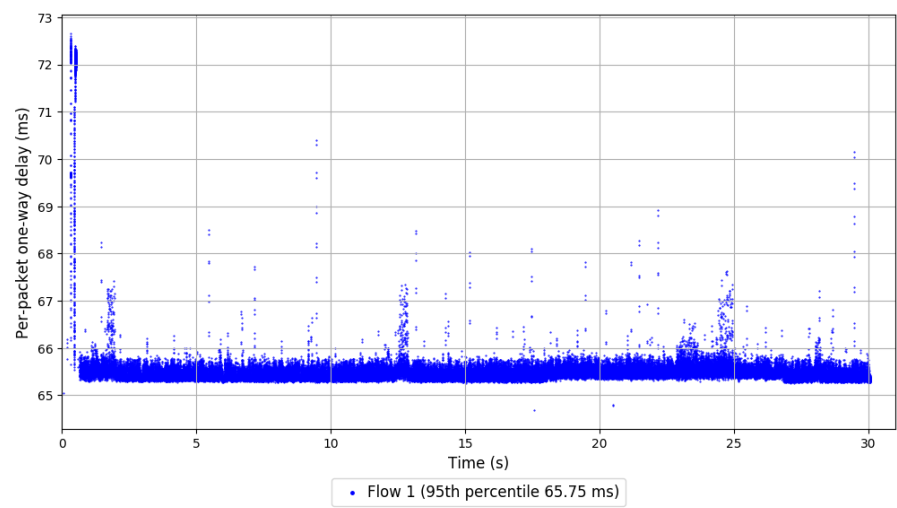
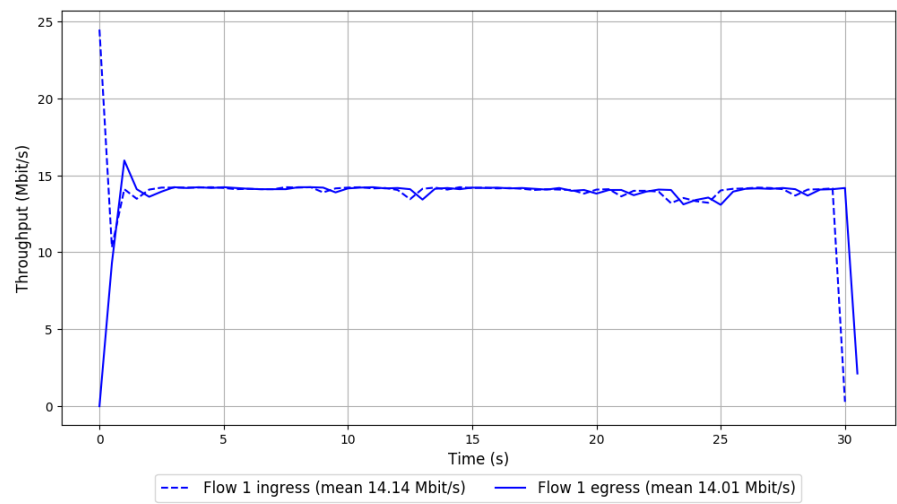
-- Flow 1:

Average throughput: 14.01 Mbit/s

95th percentile per-packet one-way delay: 65.745 ms

Loss rate: 0.92%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-06-05 07:08:06

End at: 2018-06-05 07:08:36

Local clock offset: 5.435 ms

Remote clock offset: -2.115 ms

Below is generated by plot.py at 2018-06-05 08:02:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.01 Mbit/s

95th percentile per-packet one-way delay: 80.754 ms

Loss rate: 1.70%

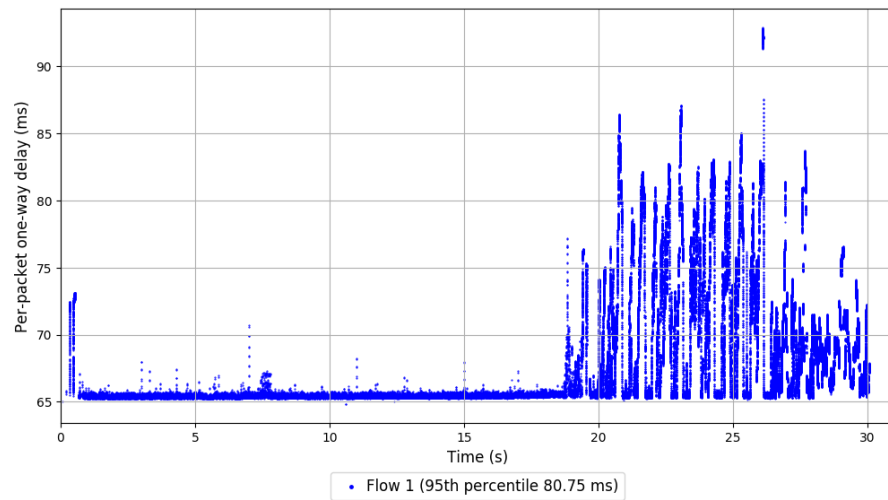
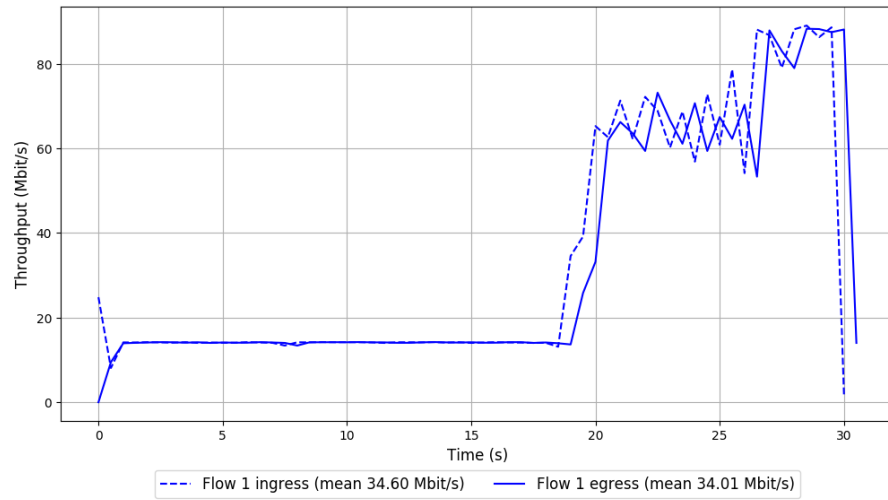
-- Flow 1:

Average throughput: 34.01 Mbit/s

95th percentile per-packet one-way delay: 80.754 ms

Loss rate: 1.70%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-06-05 07:29:00

End at: 2018-06-05 07:29:30

Local clock offset: 7.422 ms

Remote clock offset: -3.587 ms

Below is generated by plot.py at 2018-06-05 08:02:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.36 Mbit/s

95th percentile per-packet one-way delay: 75.022 ms

Loss rate: 1.95%

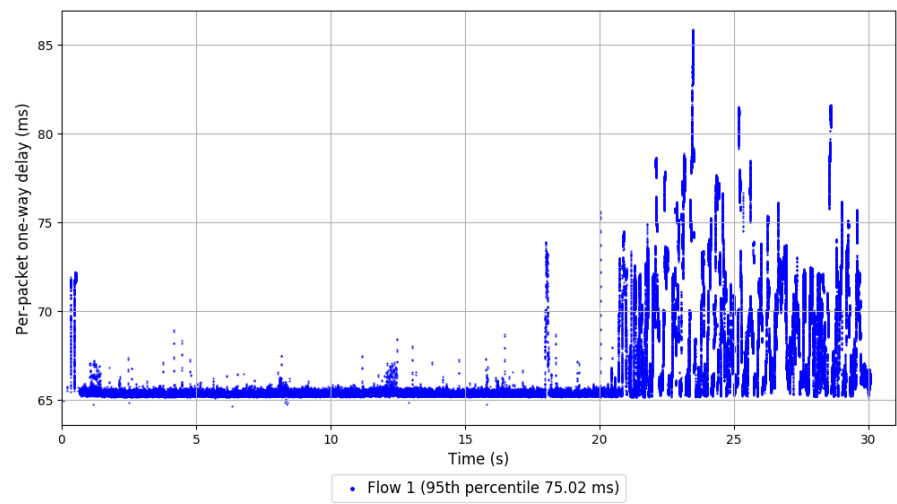
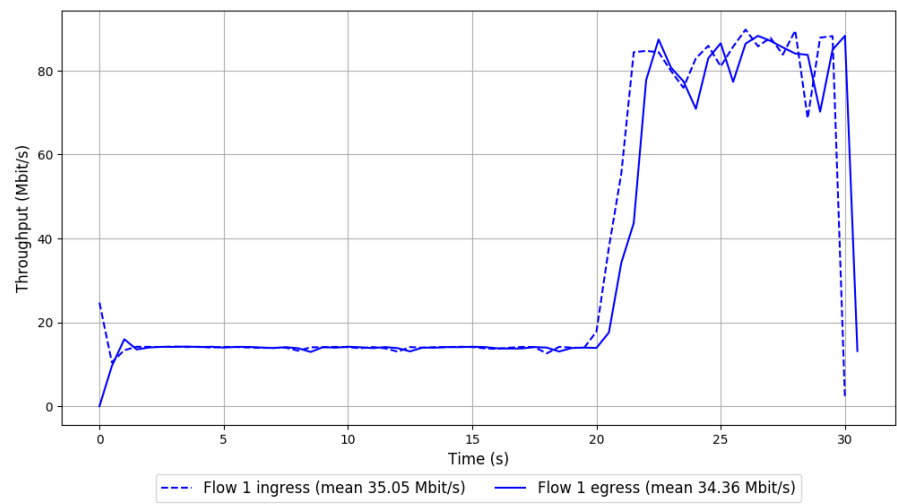
-- Flow 1:

Average throughput: 34.36 Mbit/s

95th percentile per-packet one-way delay: 75.022 ms

Loss rate: 1.95%

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

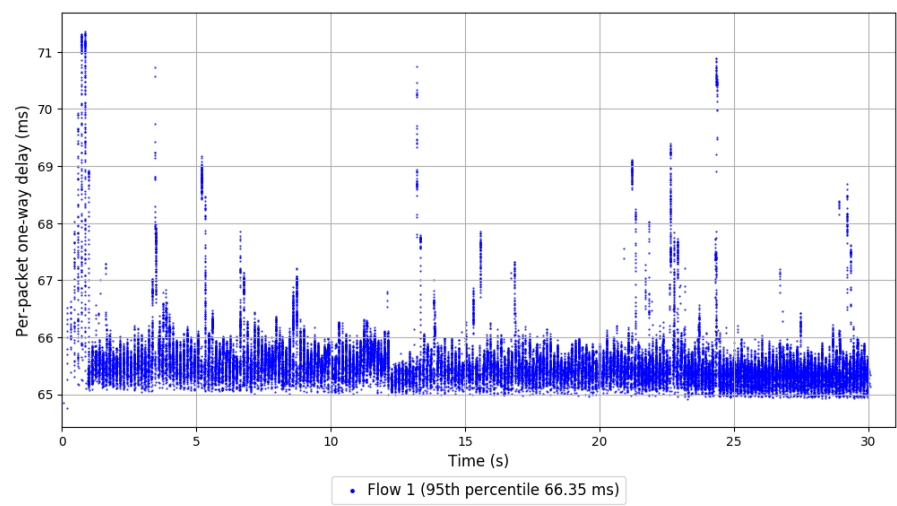
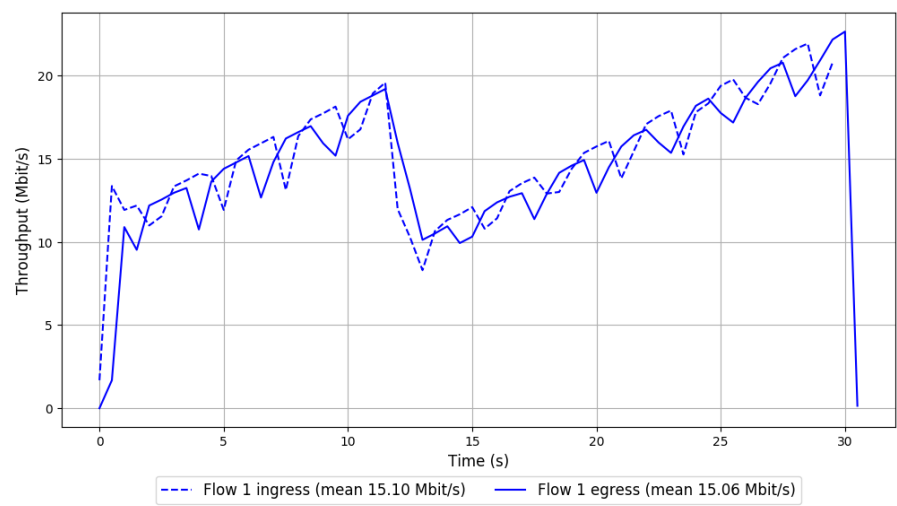


Run 1: Statistics of TCP Vegas

Start at: 2018-06-05 04:18:19
End at: 2018-06-05 04:18:49
Local clock offset: 7.505 ms
Remote clock offset: -5.993 ms

Below is generated by plot.py at 2018-06-05 08:02:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.06 Mbit/s
95th percentile per-packet one-way delay: 66.348 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 15.06 Mbit/s
95th percentile per-packet one-way delay: 66.348 ms
Loss rate: 0.21%

Run 1: Report of TCP Vegas — Data Link

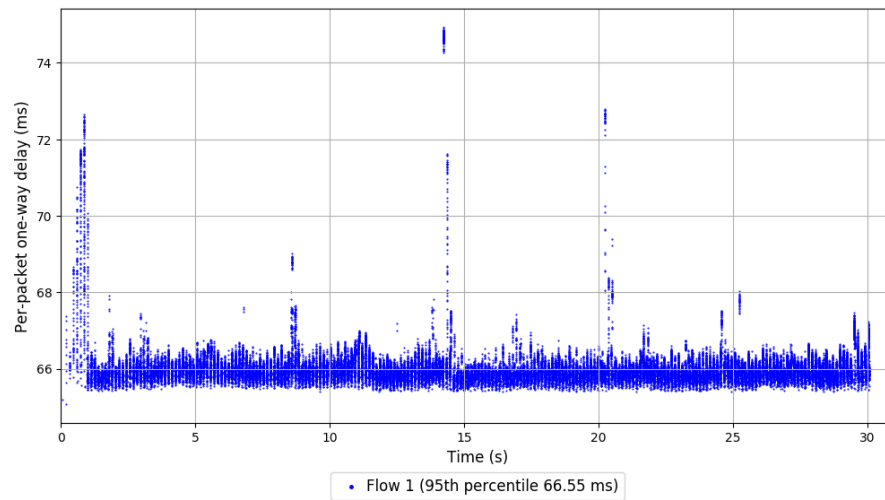
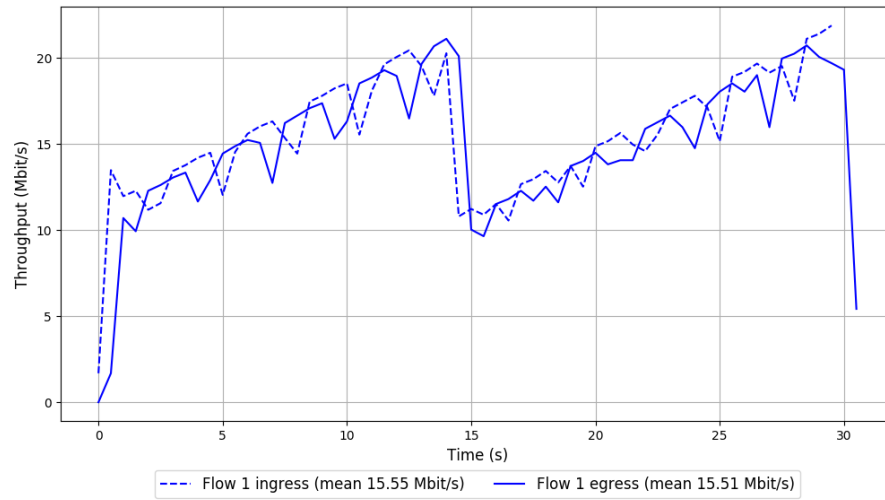


Run 2: Statistics of TCP Vegas

Start at: 2018-06-05 04:39:12
End at: 2018-06-05 04:39:42
Local clock offset: 6.855 ms
Remote clock offset: -3.685 ms

Below is generated by plot.py at 2018-06-05 08:02:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.51 Mbit/s
95th percentile per-packet one-way delay: 66.547 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 15.51 Mbit/s
95th percentile per-packet one-way delay: 66.547 ms
Loss rate: 0.24%

Run 2: Report of TCP Vegas — Data Link

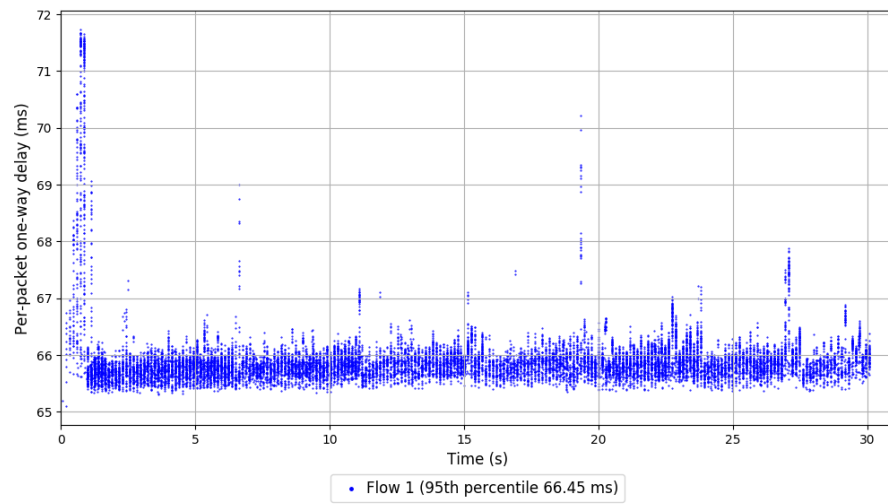
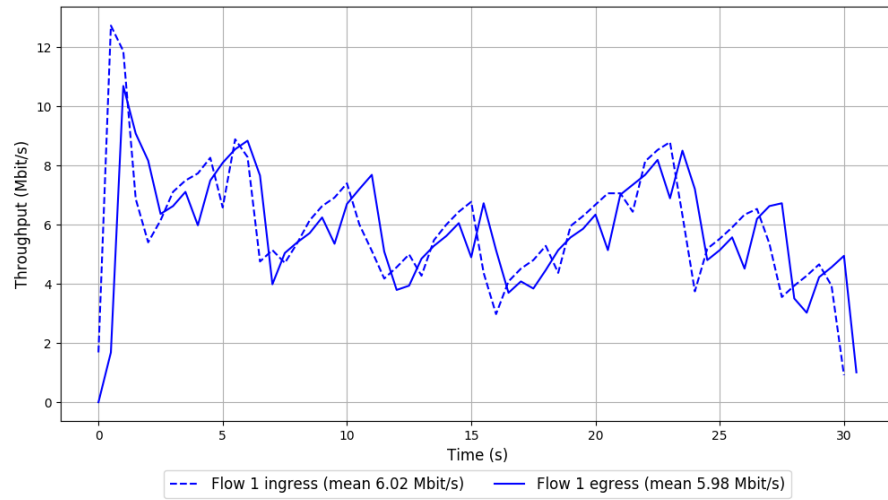


Run 3: Statistics of TCP Vegas

Start at: 2018-06-05 05:00:06
End at: 2018-06-05 05:00:36
Local clock offset: 5.53 ms
Remote clock offset: -5.131 ms

Below is generated by plot.py at 2018-06-05 08:02:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.98 Mbit/s
95th percentile per-packet one-way delay: 66.446 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 5.98 Mbit/s
95th percentile per-packet one-way delay: 66.446 ms
Loss rate: 0.71%

Run 3: Report of TCP Vegas — Data Link

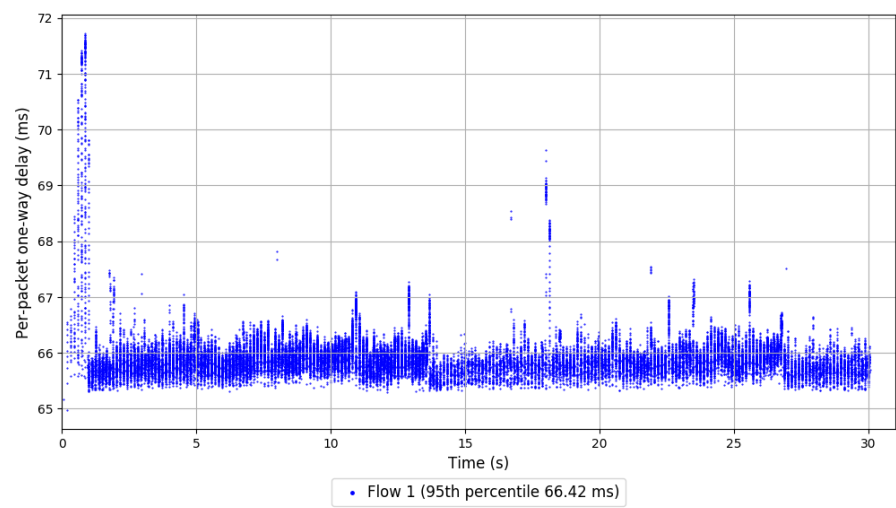
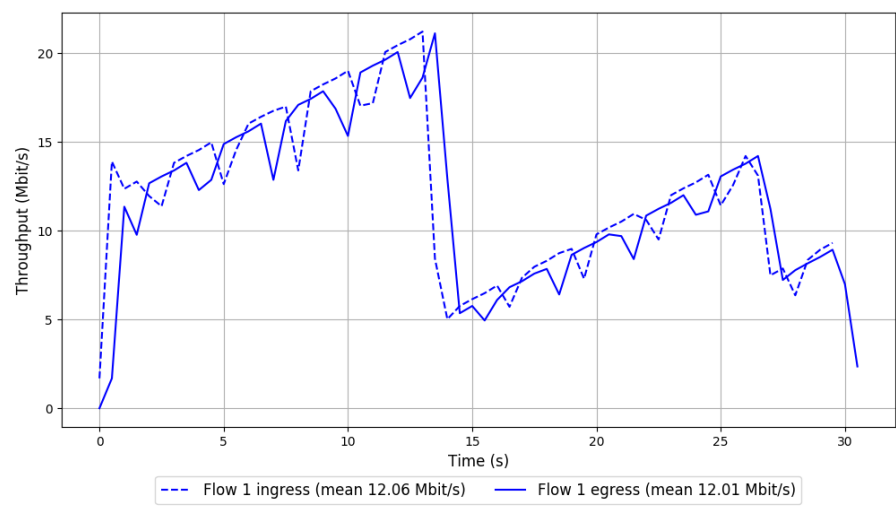


Run 4: Statistics of TCP Vegas

Start at: 2018-06-05 05:21:15
End at: 2018-06-05 05:21:45
Local clock offset: 6.74 ms
Remote clock offset: -6.368 ms

Below is generated by plot.py at 2018-06-05 08:02:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.01 Mbit/s
95th percentile per-packet one-way delay: 66.418 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 12.01 Mbit/s
95th percentile per-packet one-way delay: 66.418 ms
Loss rate: 0.38%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-06-05 05:42:06

End at: 2018-06-05 05:42:36

Local clock offset: 7.534 ms

Remote clock offset: -3.751 ms

Below is generated by plot.py at 2018-06-05 08:02:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.09 Mbit/s

95th percentile per-packet one-way delay: 68.107 ms

Loss rate: 0.40%

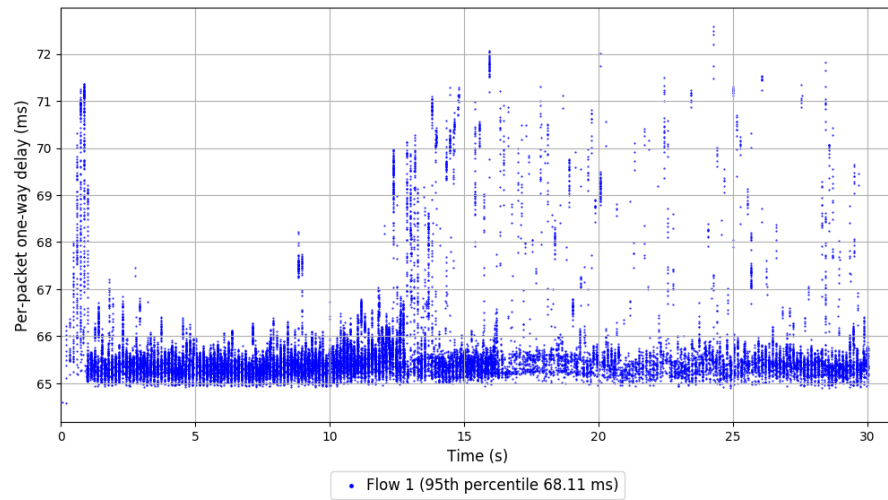
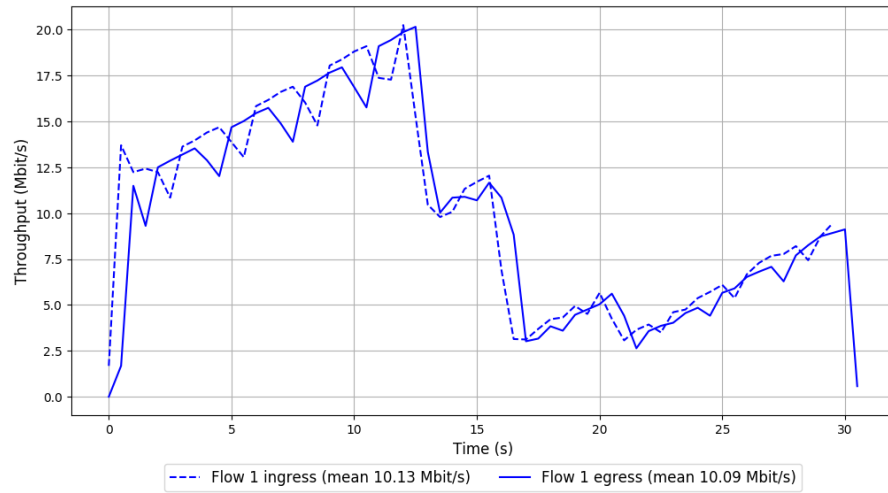
-- Flow 1:

Average throughput: 10.09 Mbit/s

95th percentile per-packet one-way delay: 68.107 ms

Loss rate: 0.40%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-06-05 06:03:05

End at: 2018-06-05 06:03:35

Local clock offset: 7.597 ms

Remote clock offset: -2.84 ms

Below is generated by plot.py at 2018-06-05 08:02:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.96 Mbit/s

95th percentile per-packet one-way delay: 66.533 ms

Loss rate: 0.34%

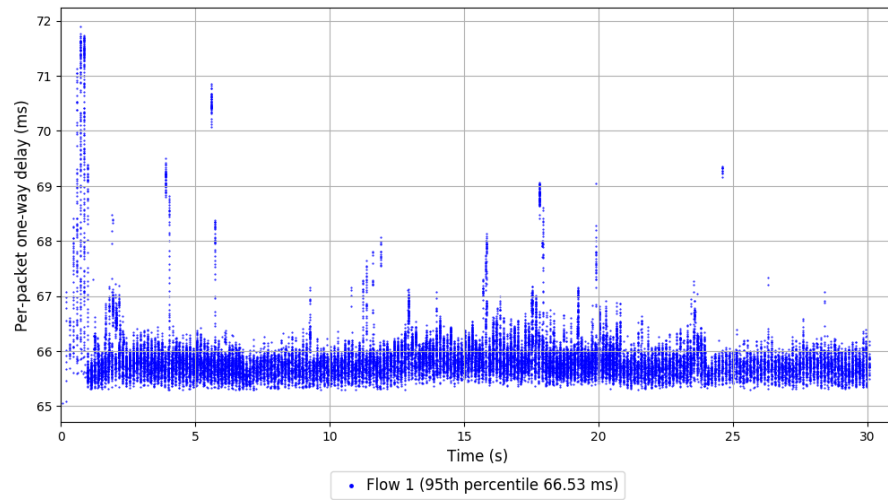
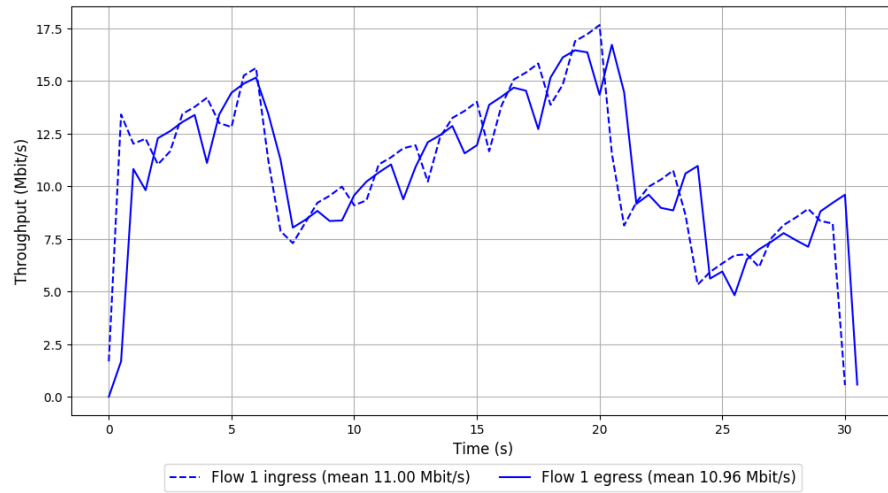
-- Flow 1:

Average throughput: 10.96 Mbit/s

95th percentile per-packet one-way delay: 66.533 ms

Loss rate: 0.34%

Run 6: Report of TCP Vegas — Data Link

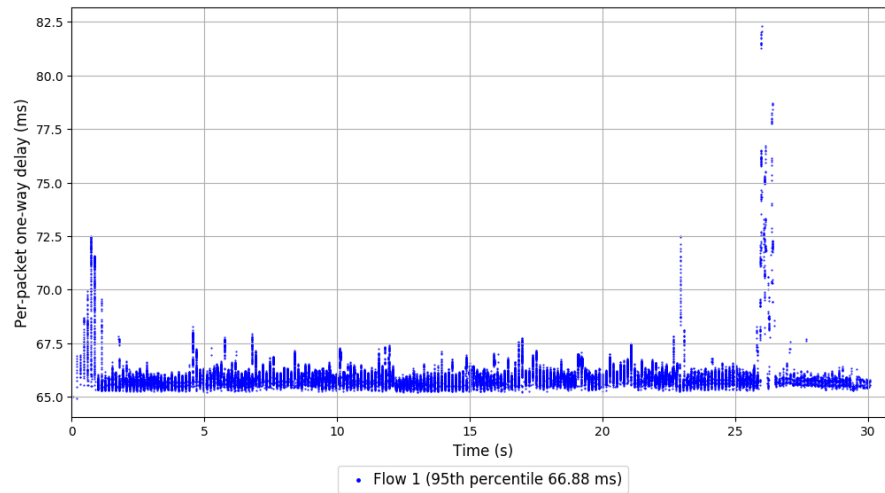
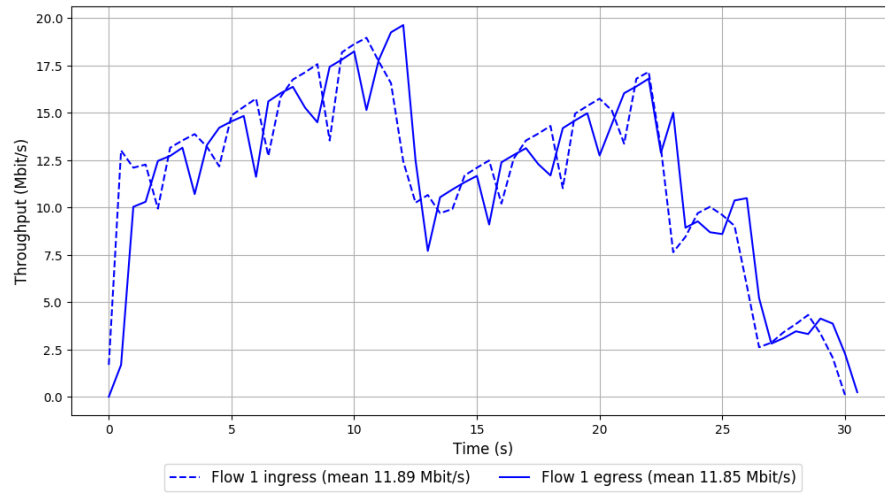


Run 7: Statistics of TCP Vegas

Start at: 2018-06-05 06:23:56
End at: 2018-06-05 06:24:26
Local clock offset: 6.774 ms
Remote clock offset: -2.663 ms

Below is generated by plot.py at 2018-06-05 08:02:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.85 Mbit/s
95th percentile per-packet one-way delay: 66.883 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 11.85 Mbit/s
95th percentile per-packet one-way delay: 66.883 ms
Loss rate: 0.33%

Run 7: Report of TCP Vegas — Data Link

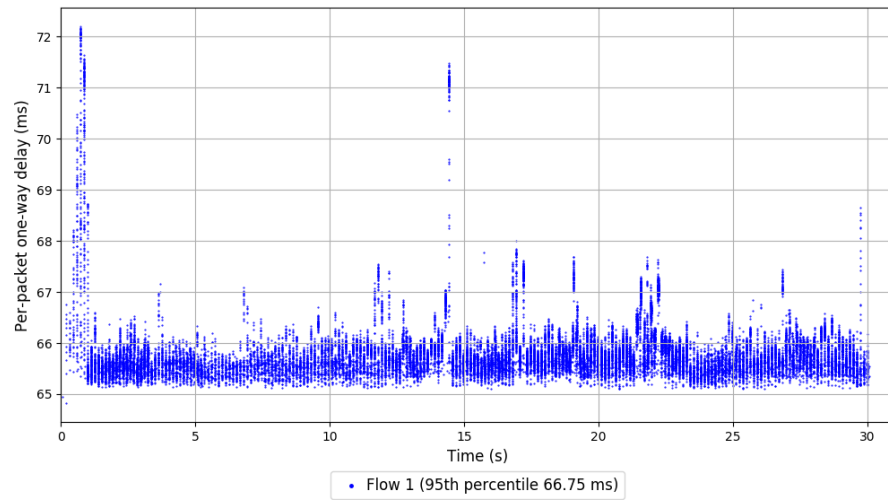
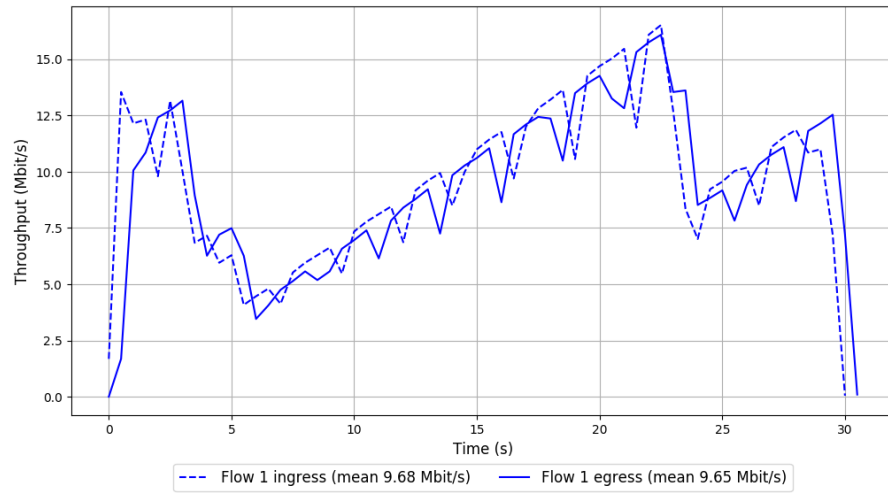


Run 8: Statistics of TCP Vegas

Start at: 2018-06-05 06:44:47
End at: 2018-06-05 06:45:17
Local clock offset: 6.087 ms
Remote clock offset: -2.595 ms

Below is generated by plot.py at 2018-06-05 08:02:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.65 Mbit/s
95th percentile per-packet one-way delay: 66.750 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 9.65 Mbit/s
95th percentile per-packet one-way delay: 66.750 ms
Loss rate: 0.33%

Run 8: Report of TCP Vegas — Data Link

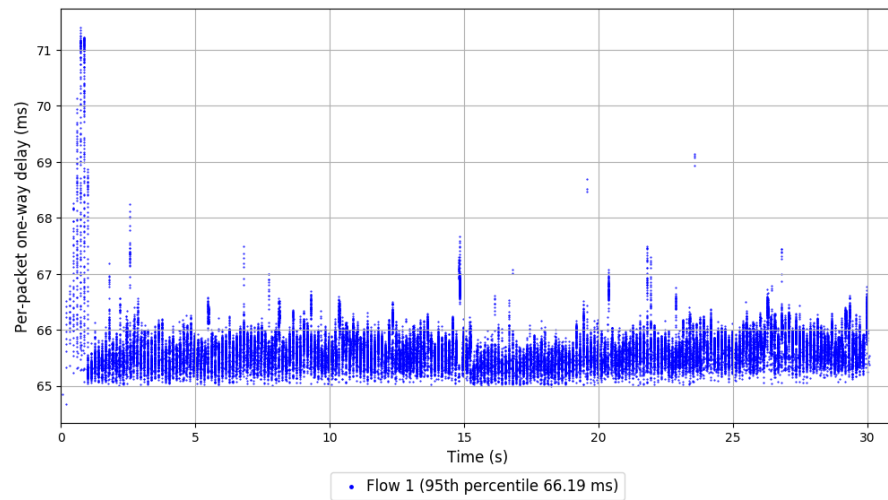
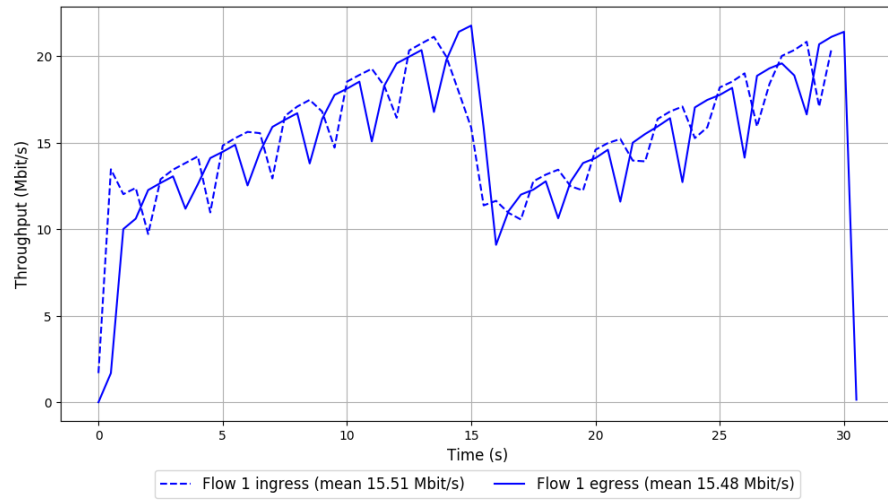


Run 9: Statistics of TCP Vegas

Start at: 2018-06-05 07:06:49
End at: 2018-06-05 07:07:19
Local clock offset: 5.716 ms
Remote clock offset: -2.082 ms

Below is generated by plot.py at 2018-06-05 08:02:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.48 Mbit/s
95th percentile per-packet one-way delay: 66.190 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 15.48 Mbit/s
95th percentile per-packet one-way delay: 66.190 ms
Loss rate: 0.20%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-06-05 07:27:44

End at: 2018-06-05 07:28:14

Local clock offset: 7.357 ms

Remote clock offset: -3.539 ms

Below is generated by plot.py at 2018-06-05 08:02:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.36 Mbit/s

95th percentile per-packet one-way delay: 66.526 ms

Loss rate: 0.31%

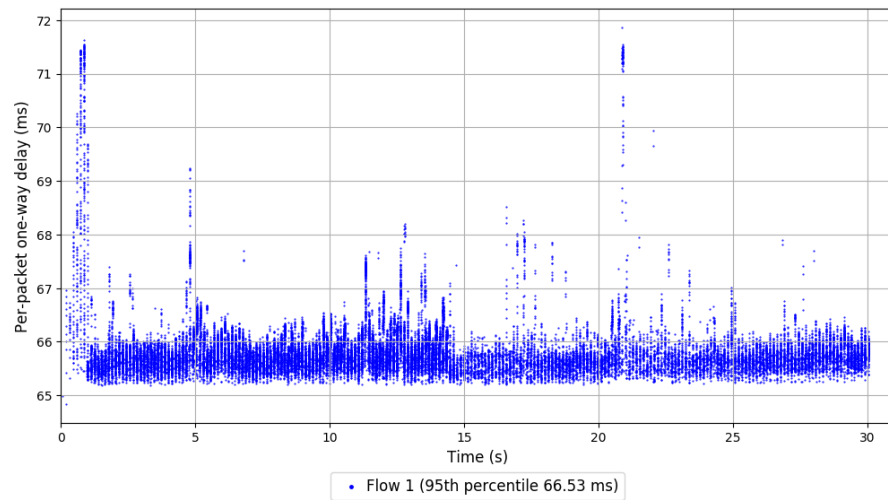
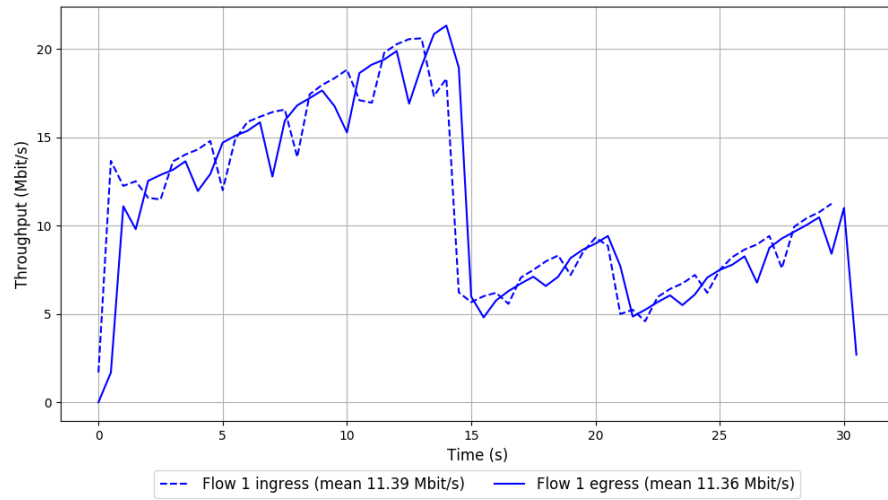
-- Flow 1:

Average throughput: 11.36 Mbit/s

95th percentile per-packet one-way delay: 66.526 ms

Loss rate: 0.31%

Run 10: Report of TCP Vegas — Data Link

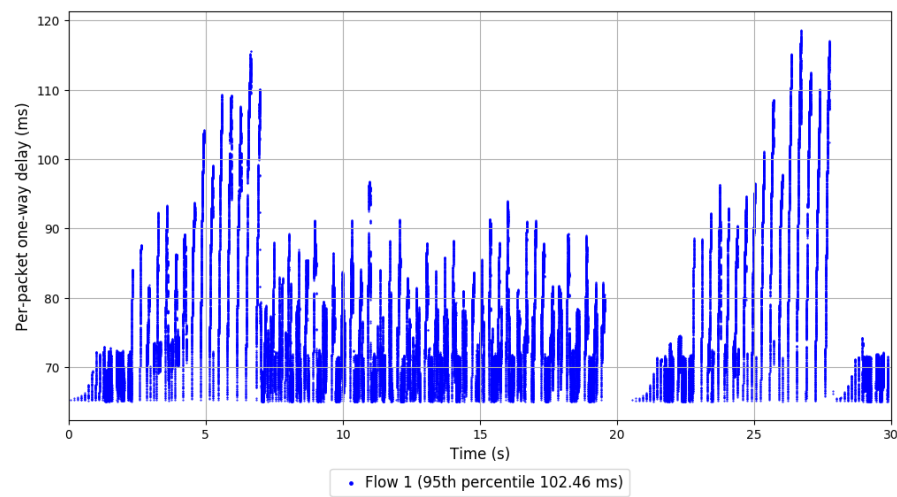
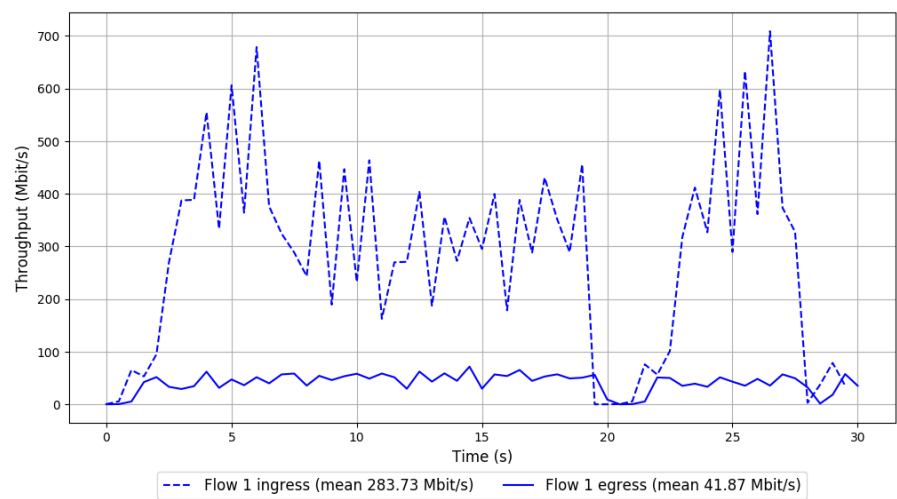


Run 1: Statistics of Verus

Start at: 2018-06-05 04:35:13
End at: 2018-06-05 04:35:43
Local clock offset: 6.881 ms
Remote clock offset: -3.874 ms

Below is generated by plot.py at 2018-06-05 08:03:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.87 Mbit/s
95th percentile per-packet one-way delay: 102.461 ms
Loss rate: 85.24%
-- Flow 1:
Average throughput: 41.87 Mbit/s
95th percentile per-packet one-way delay: 102.461 ms
Loss rate: 85.24%

Run 1: Report of Verus — Data Link

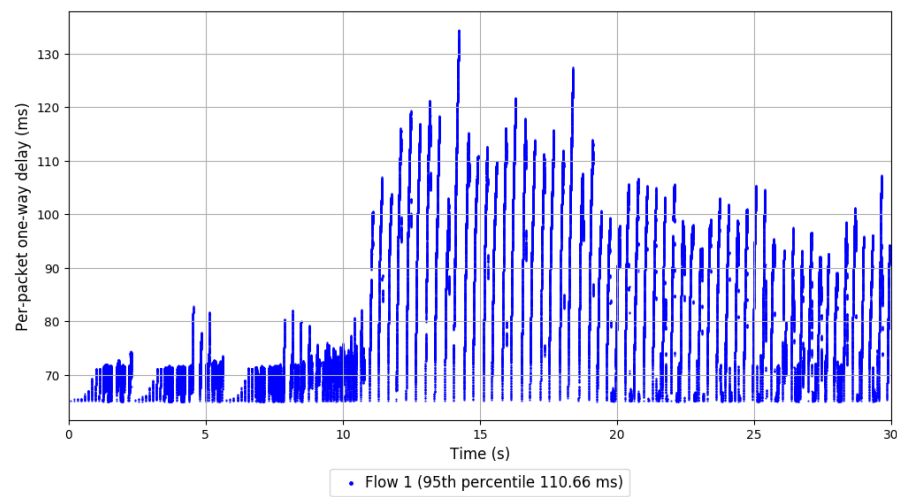
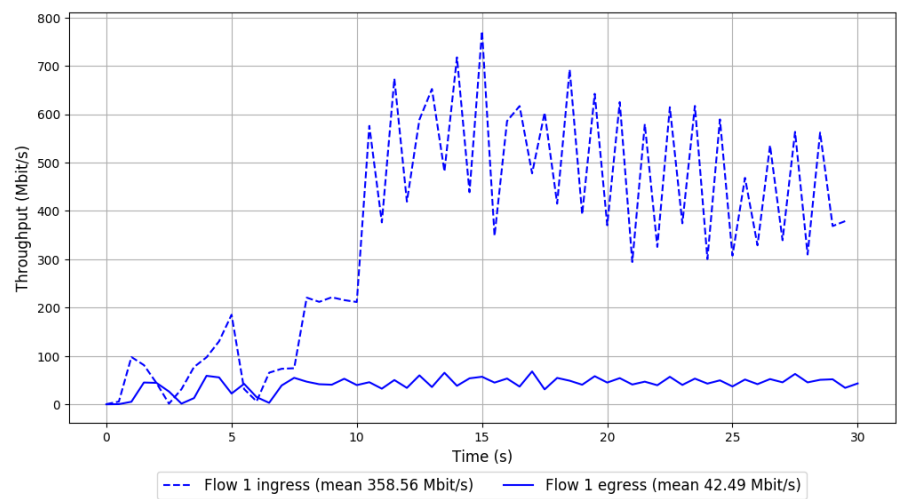


Run 2: Statistics of Verus

Start at: 2018-06-05 04:56:06
End at: 2018-06-05 04:56:36
Local clock offset: 5.807 ms
Remote clock offset: -4.647 ms

Below is generated by plot.py at 2018-06-05 08:03:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 42.49 Mbit/s
95th percentile per-packet one-way delay: 110.658 ms
Loss rate: 88.14%
-- Flow 1:
Average throughput: 42.49 Mbit/s
95th percentile per-packet one-way delay: 110.658 ms
Loss rate: 88.14%

Run 2: Report of Verus — Data Link

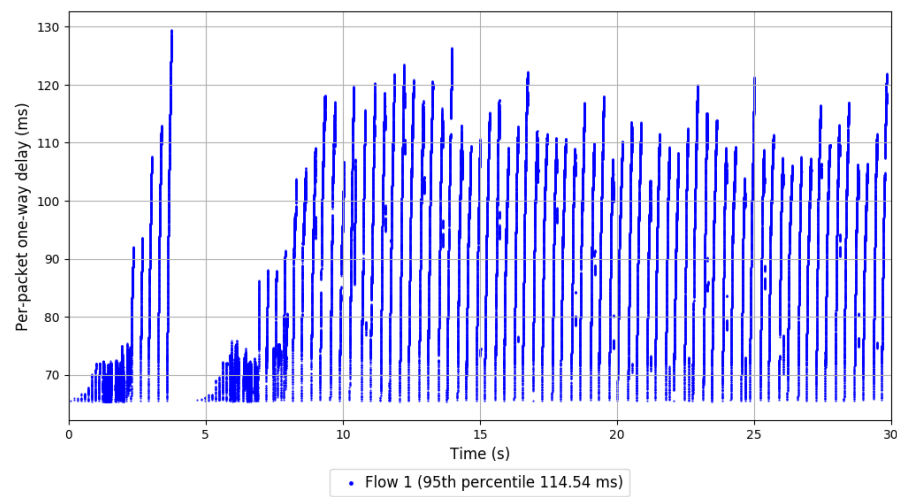
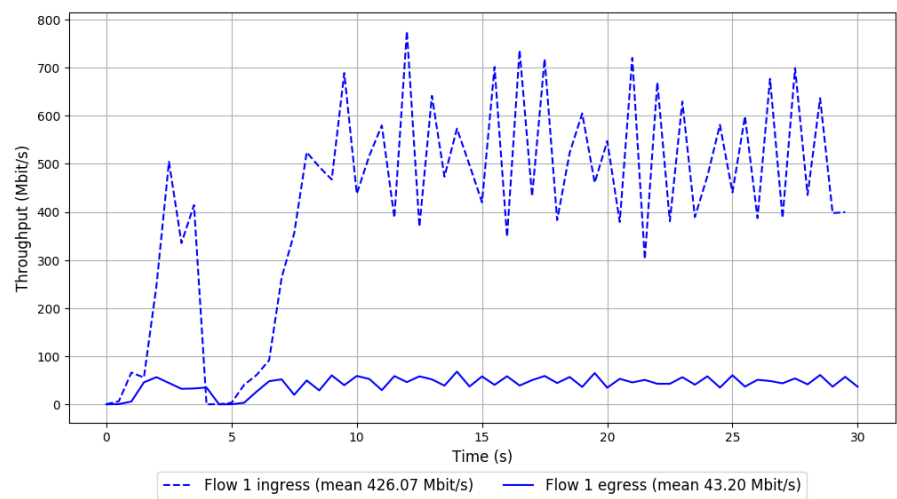


Run 3: Statistics of Verus

Start at: 2018-06-05 05:17:14
End at: 2018-06-05 05:17:44
Local clock offset: 6.419 ms
Remote clock offset: -6.184 ms

Below is generated by plot.py at 2018-06-05 08:03:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 43.20 Mbit/s
95th percentile per-packet one-way delay: 114.544 ms
Loss rate: 89.84%
-- Flow 1:
Average throughput: 43.20 Mbit/s
95th percentile per-packet one-way delay: 114.544 ms
Loss rate: 89.84%

Run 3: Report of Verus — Data Link

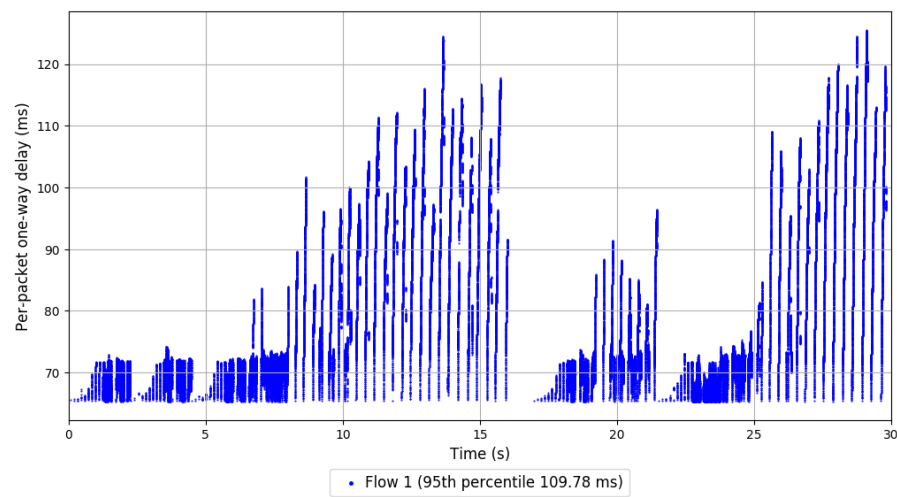
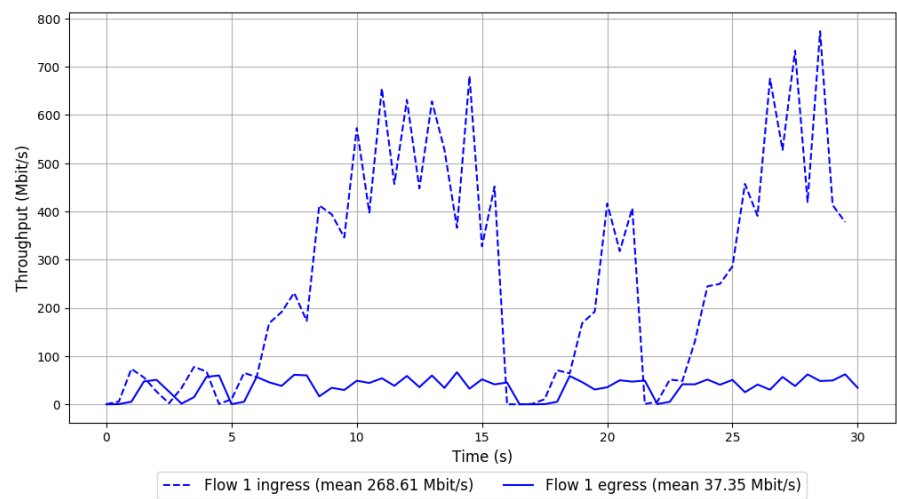


Run 4: Statistics of Verus

Start at: 2018-06-05 05:38:08
End at: 2018-06-05 05:38:38
Local clock offset: 7.248 ms
Remote clock offset: -4.147 ms

Below is generated by plot.py at 2018-06-05 08:03:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.35 Mbit/s
95th percentile per-packet one-way delay: 109.779 ms
Loss rate: 86.08%
-- Flow 1:
Average throughput: 37.35 Mbit/s
95th percentile per-packet one-way delay: 109.779 ms
Loss rate: 86.08%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

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

End at: 2018-06-05 05:59:35

Local clock offset: 7.324 ms

Remote clock offset: -2.83 ms

Below is generated by plot.py at 2018-06-05 08:03:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.06 Mbit/s

95th percentile per-packet one-way delay: 110.800 ms

Loss rate: 87.53%

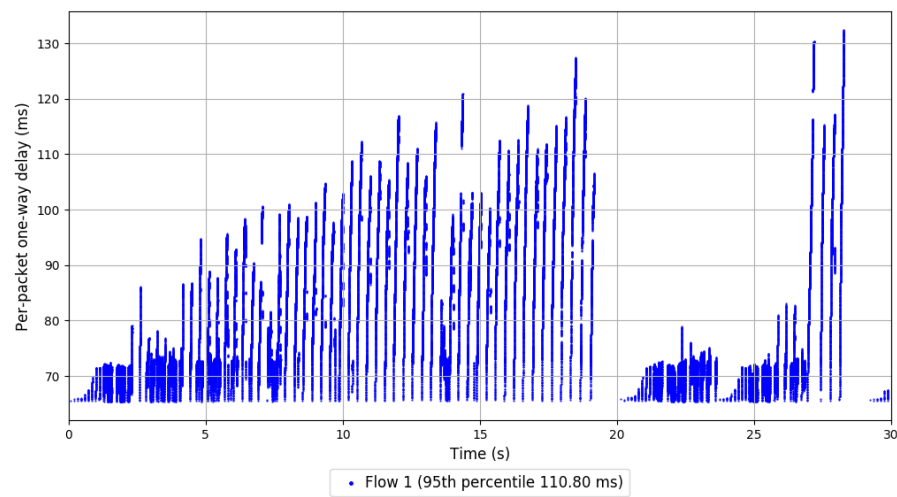
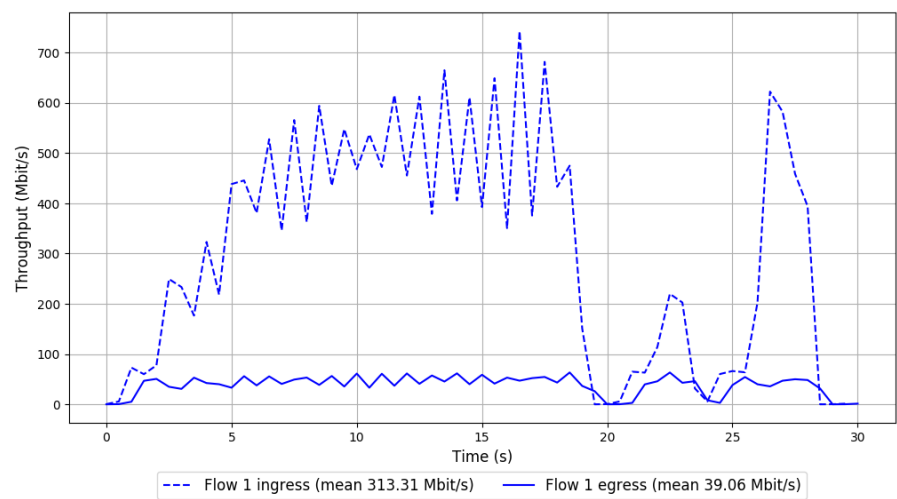
-- Flow 1:

Average throughput: 39.06 Mbit/s

95th percentile per-packet one-way delay: 110.800 ms

Loss rate: 87.53%

Run 5: Report of Verus — Data Link

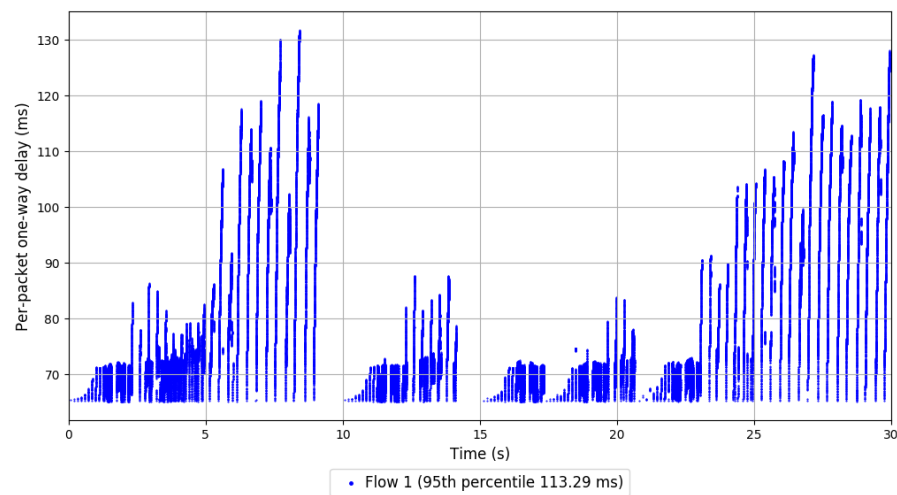
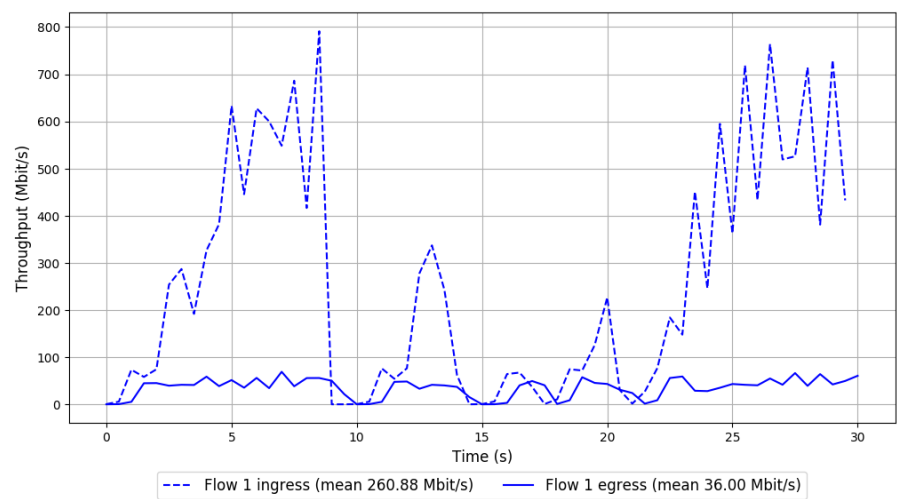


Run 6: Statistics of Verus

Start at: 2018-06-05 06:19:58
End at: 2018-06-05 06:20:28
Local clock offset: 6.766 ms
Remote clock offset: -2.784 ms

Below is generated by plot.py at 2018-06-05 08:03:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.00 Mbit/s
95th percentile per-packet one-way delay: 113.287 ms
Loss rate: 86.17%
-- Flow 1:
Average throughput: 36.00 Mbit/s
95th percentile per-packet one-way delay: 113.287 ms
Loss rate: 86.17%

Run 6: Report of Verus — Data Link

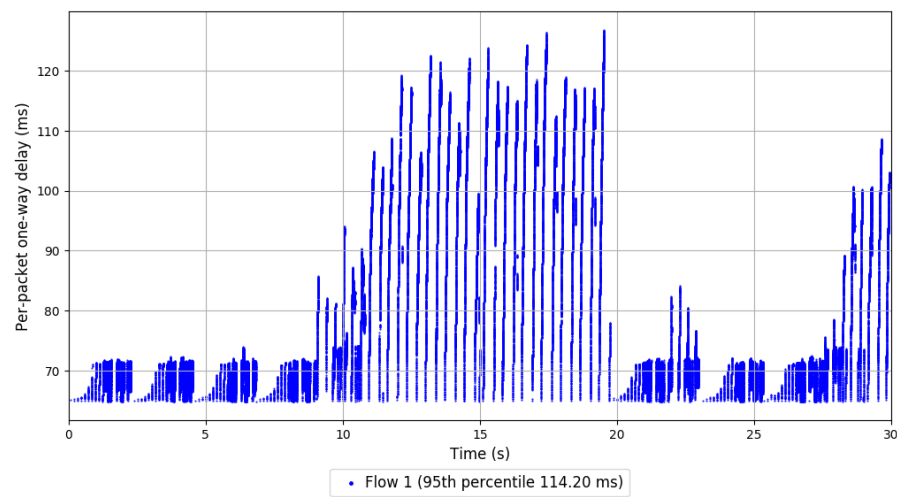
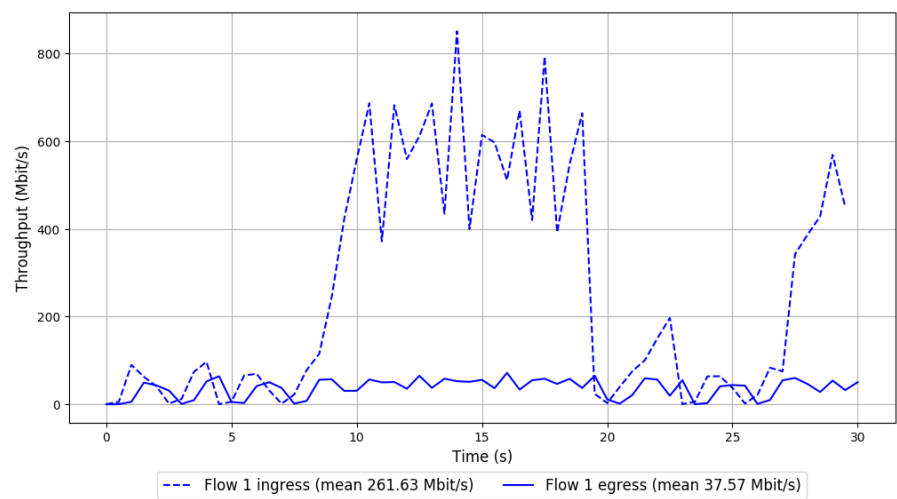


Run 7: Statistics of Verus

Start at: 2018-06-05 06:40:49
End at: 2018-06-05 06:41:19
Local clock offset: 6.519 ms
Remote clock offset: -2.551 ms

Below is generated by plot.py at 2018-06-05 08:03:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.57 Mbit/s
95th percentile per-packet one-way delay: 114.205 ms
Loss rate: 85.62%
-- Flow 1:
Average throughput: 37.57 Mbit/s
95th percentile per-packet one-way delay: 114.205 ms
Loss rate: 85.62%

Run 7: Report of Verus — Data Link

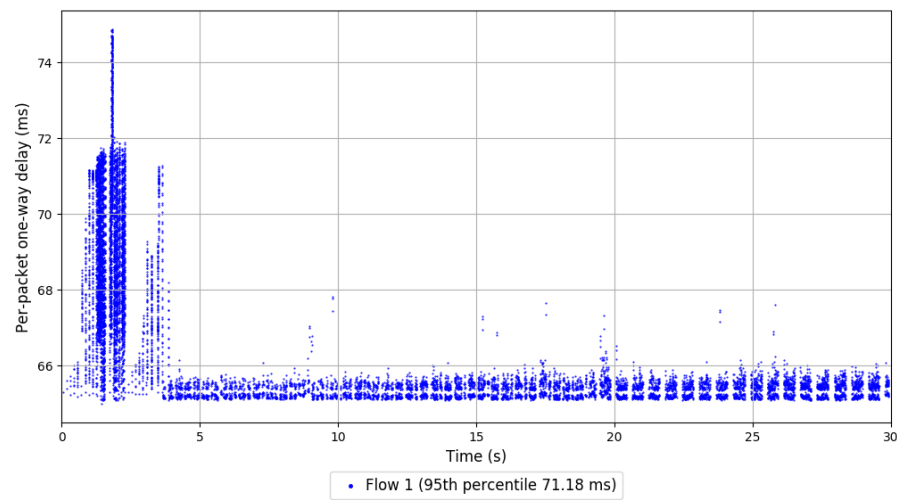
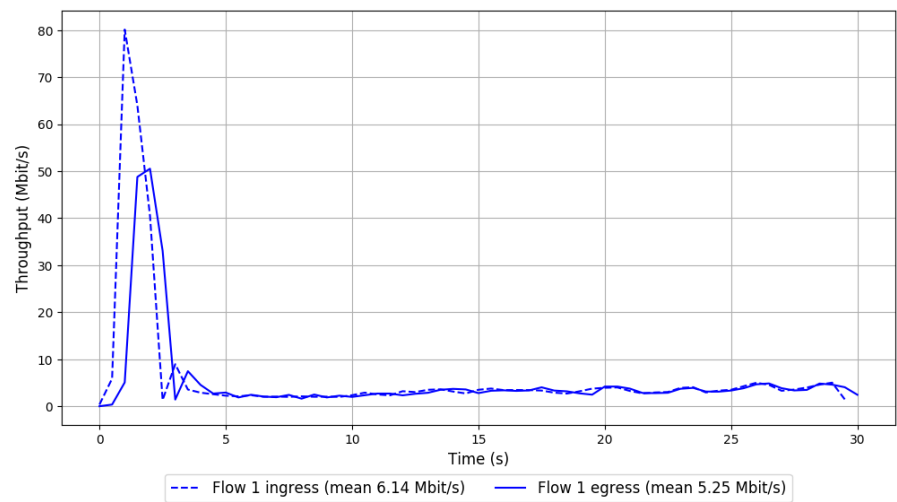


Run 8: Statistics of Verus

Start at: 2018-06-05 07:02:39
End at: 2018-06-05 07:03:09
Local clock offset: 5.641 ms
Remote clock offset: -2.056 ms

Below is generated by plot.py at 2018-06-05 08:03:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.25 Mbit/s
95th percentile per-packet one-way delay: 71.176 ms
Loss rate: 14.54%
-- Flow 1:
Average throughput: 5.25 Mbit/s
95th percentile per-packet one-way delay: 71.176 ms
Loss rate: 14.54%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-06-05 07:23:45

End at: 2018-06-05 07:24:15

Local clock offset: 7.276 ms

Remote clock offset: -3.44 ms

Below is generated by plot.py at 2018-06-05 08:04:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.40 Mbit/s

95th percentile per-packet one-way delay: 102.376 ms

Loss rate: 86.43%

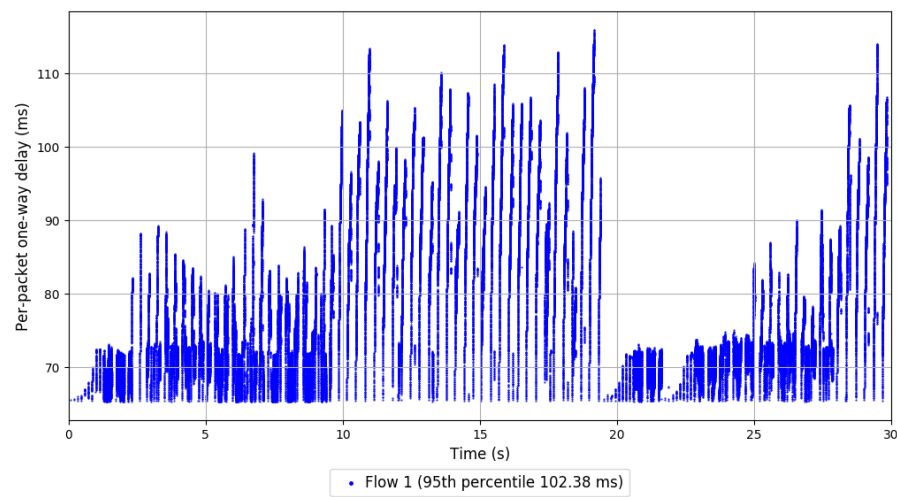
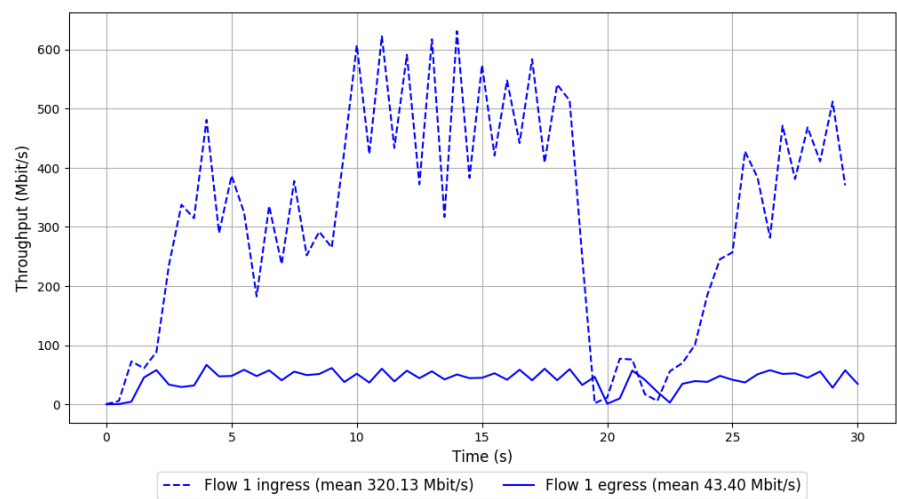
-- Flow 1:

Average throughput: 43.40 Mbit/s

95th percentile per-packet one-way delay: 102.376 ms

Loss rate: 86.43%

Run 9: Report of Verus — Data Link

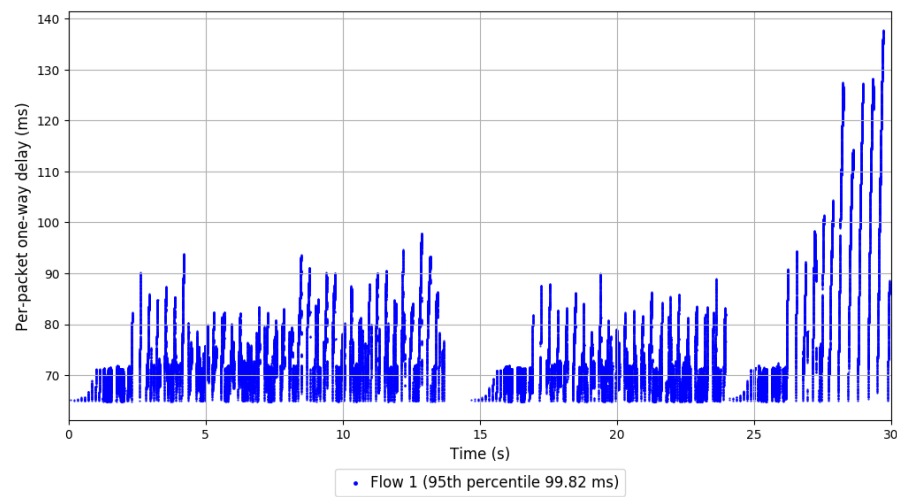
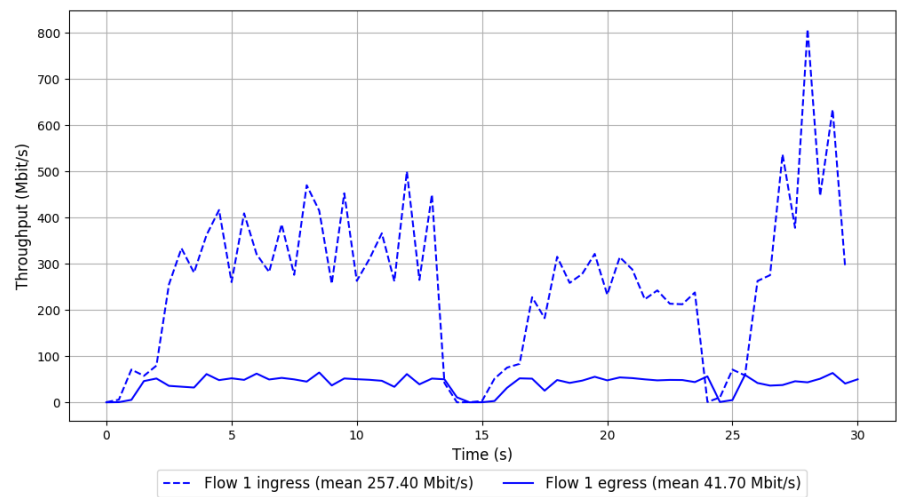


Run 10: Statistics of Verus

Start at: 2018-06-05 07:44:37
End at: 2018-06-05 07:45:07
Local clock offset: 7.819 ms
Remote clock offset: -3.732 ms

Below is generated by plot.py at 2018-06-05 08:04:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.70 Mbit/s
95th percentile per-packet one-way delay: 99.816 ms
Loss rate: 83.79%
-- Flow 1:
Average throughput: 41.70 Mbit/s
95th percentile per-packet one-way delay: 99.816 ms
Loss rate: 83.79%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-06-05 04:24:40

End at: 2018-06-05 04:25:10

Local clock offset: 7.299 ms

Remote clock offset: -4.794 ms

Below is generated by plot.py at 2018-06-05 08:04:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.72 Mbit/s

95th percentile per-packet one-way delay: 69.098 ms

Loss rate: 0.26%

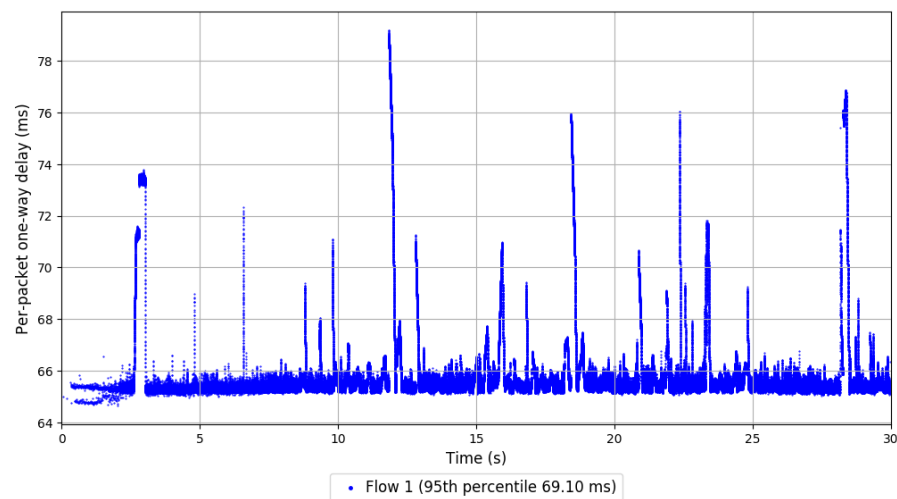
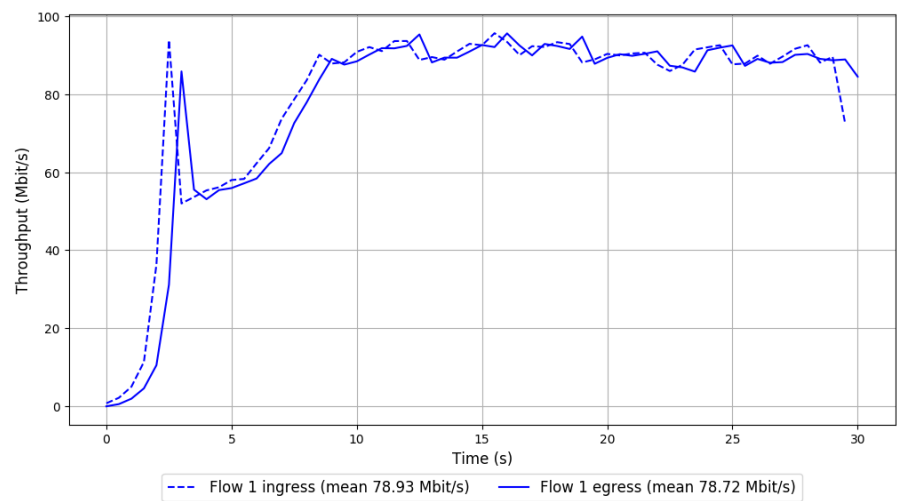
-- Flow 1:

Average throughput: 78.72 Mbit/s

95th percentile per-packet one-way delay: 69.098 ms

Loss rate: 0.26%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-06-05 04:45:33

End at: 2018-06-05 04:46:03

Local clock offset: 6.243 ms

Remote clock offset: -3.476 ms

Below is generated by plot.py at 2018-06-05 08:04:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.51 Mbit/s

95th percentile per-packet one-way delay: 71.777 ms

Loss rate: 0.38%

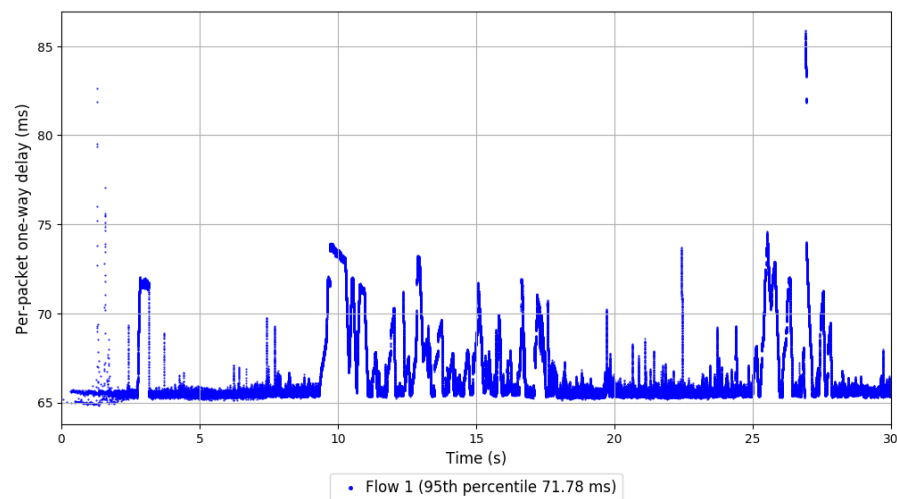
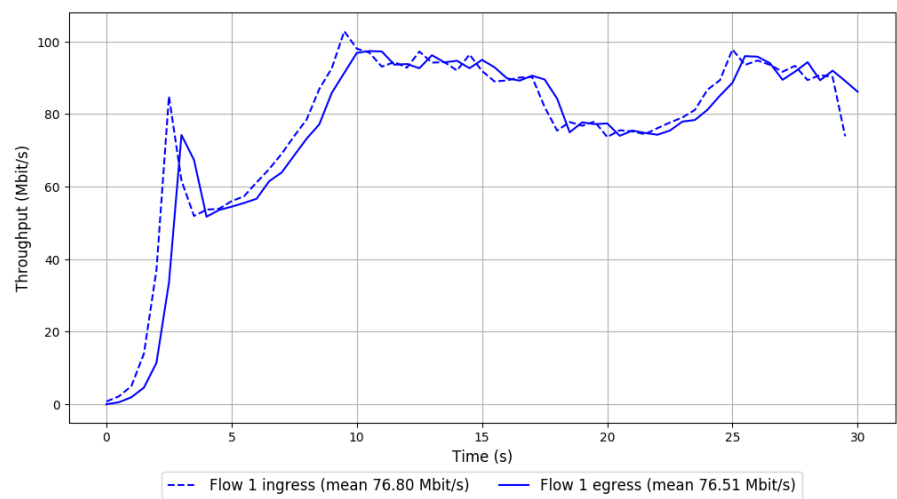
-- Flow 1:

Average throughput: 76.51 Mbit/s

95th percentile per-packet one-way delay: 71.777 ms

Loss rate: 0.38%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-06-05 05:06:30

End at: 2018-06-05 05:07:00

Local clock offset: 5.318 ms

Remote clock offset: -5.798 ms

Below is generated by plot.py at 2018-06-05 08:04:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.76 Mbit/s

95th percentile per-packet one-way delay: 73.810 ms

Loss rate: 0.59%

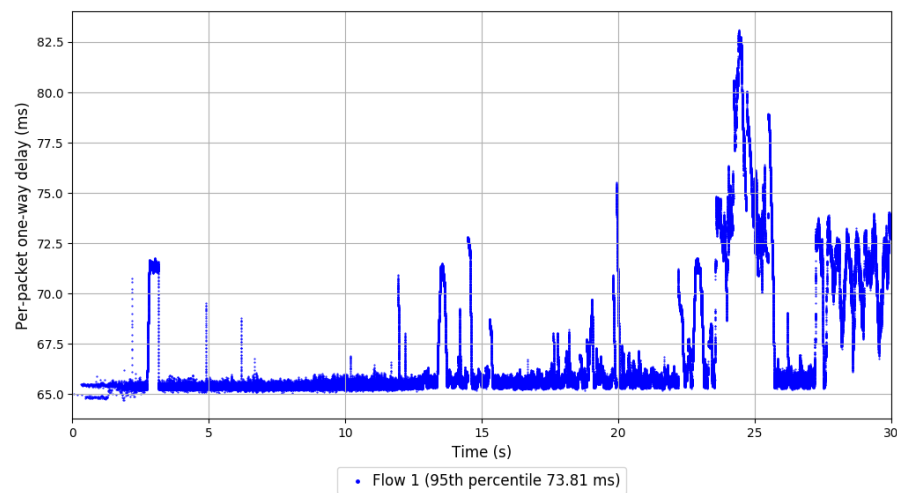
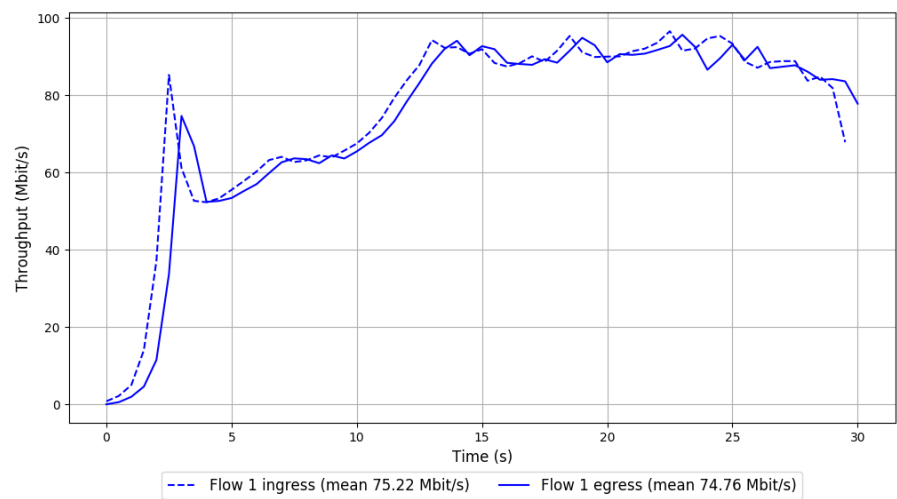
-- Flow 1:

Average throughput: 74.76 Mbit/s

95th percentile per-packet one-way delay: 73.810 ms

Loss rate: 0.59%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-06-05 05:27:35

End at: 2018-06-05 05:28:05

Local clock offset: 7.141 ms

Remote clock offset: -5.786 ms

Below is generated by plot.py at 2018-06-05 08:04:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.73 Mbit/s

95th percentile per-packet one-way delay: 69.862 ms

Loss rate: 0.23%

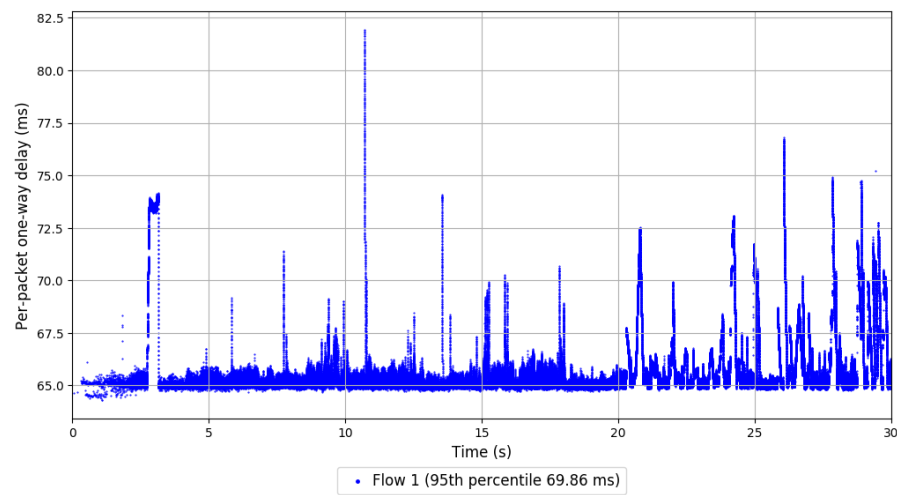
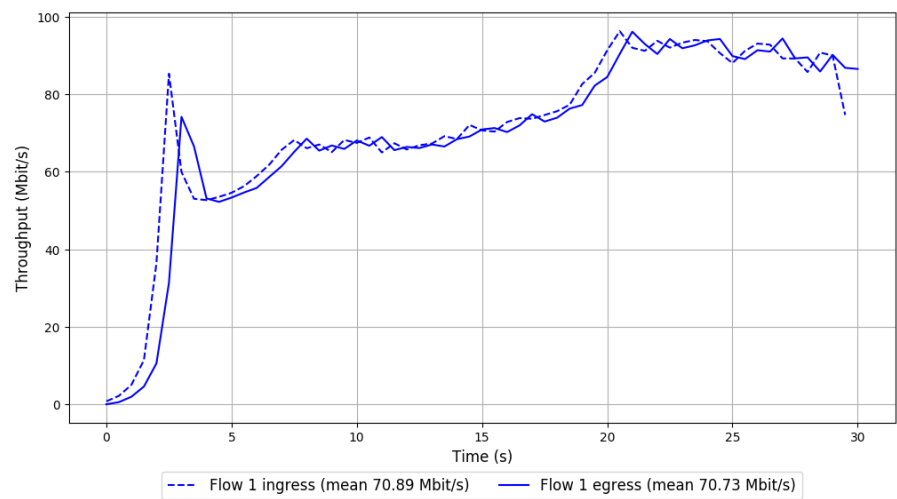
-- Flow 1:

Average throughput: 70.73 Mbit/s

95th percentile per-packet one-way delay: 69.862 ms

Loss rate: 0.23%

Run 4: Report of PCC-Vivace — Data Link

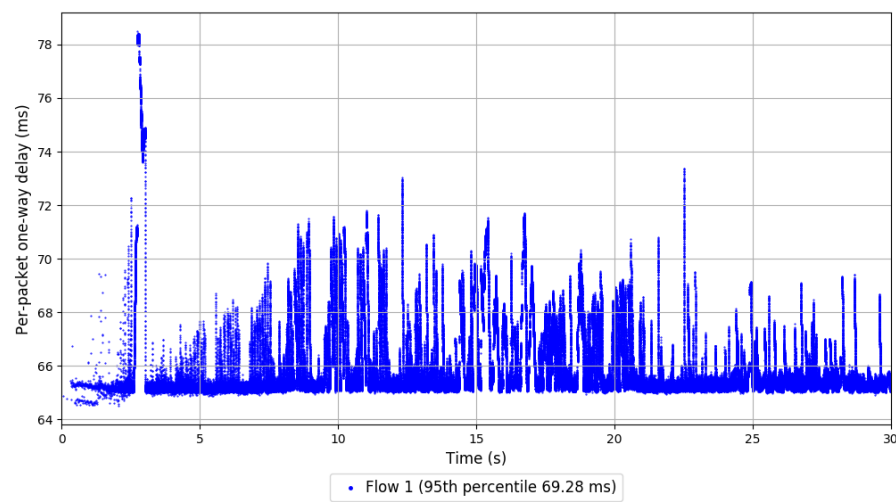
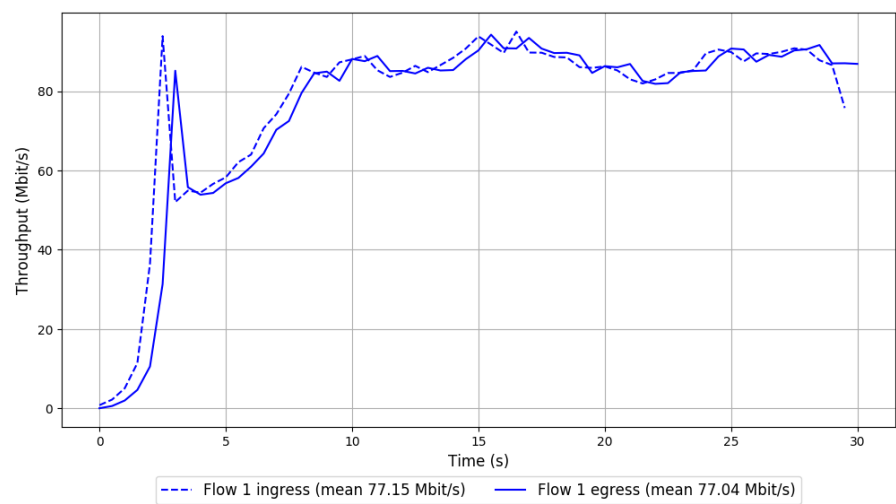


Run 5: Statistics of PCC-Vivace

Start at: 2018-06-05 05:48:31
End at: 2018-06-05 05:49:01
Local clock offset: 7.399 ms
Remote clock offset: -3.416 ms

Below is generated by plot.py at 2018-06-05 08:04:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.04 Mbit/s
95th percentile per-packet one-way delay: 69.275 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 77.04 Mbit/s
95th percentile per-packet one-way delay: 69.275 ms
Loss rate: 0.14%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-06-05 06:09:25

End at: 2018-06-05 06:09:55

Local clock offset: 7.407 ms

Remote clock offset: -2.988 ms

Below is generated by plot.py at 2018-06-05 08:05:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.23 Mbit/s

95th percentile per-packet one-way delay: 81.297 ms

Loss rate: 0.64%

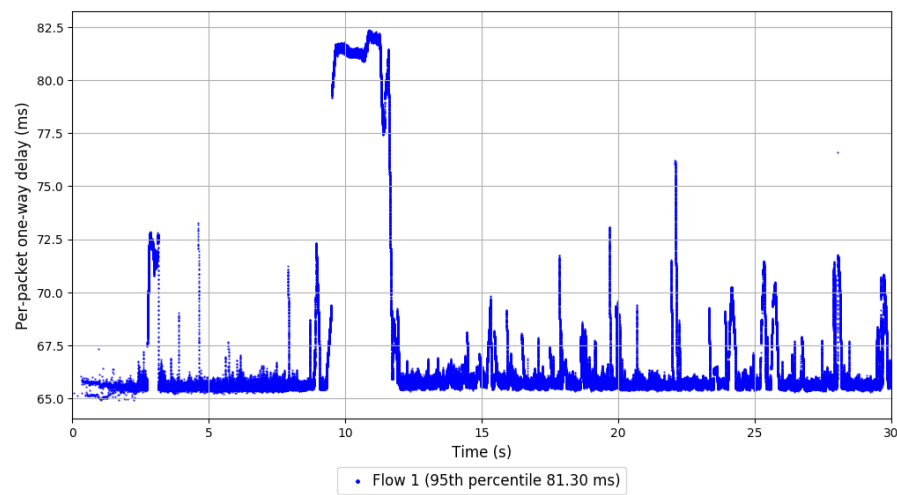
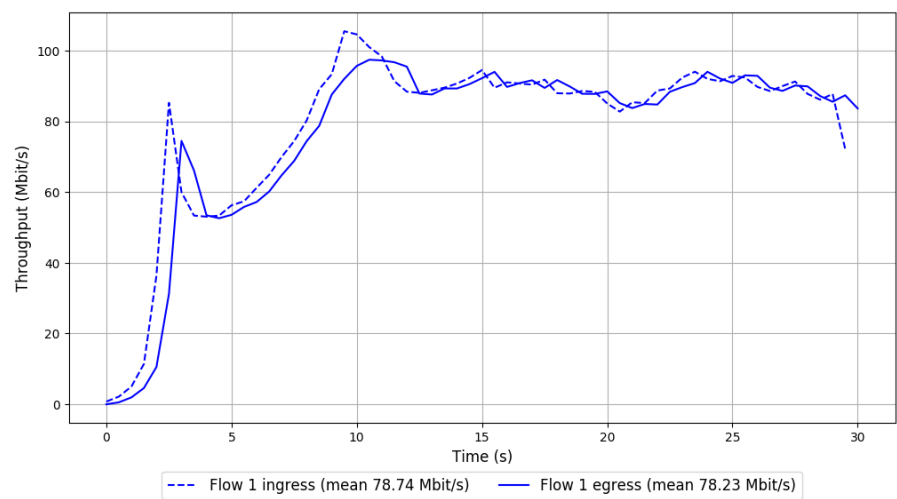
-- Flow 1:

Average throughput: 78.23 Mbit/s

95th percentile per-packet one-way delay: 81.297 ms

Loss rate: 0.64%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-06-05 06:30:16

End at: 2018-06-05 06:30:46

Local clock offset: 6.758 ms

Remote clock offset: -2.434 ms

Below is generated by plot.py at 2018-06-05 08:05:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.69 Mbit/s

95th percentile per-packet one-way delay: 68.648 ms

Loss rate: 0.34%

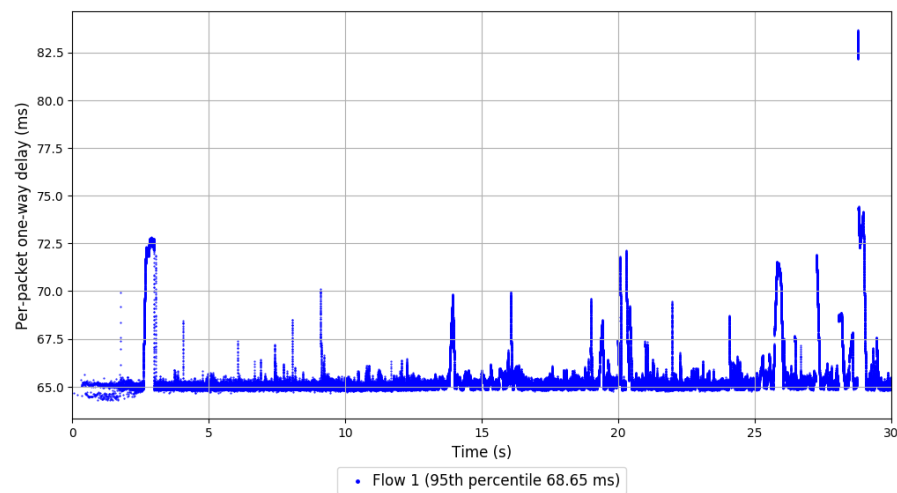
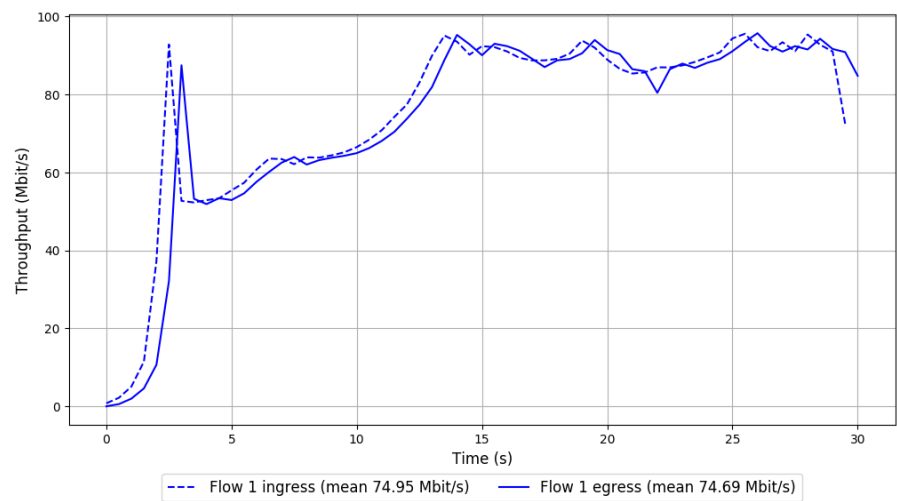
-- Flow 1:

Average throughput: 74.69 Mbit/s

95th percentile per-packet one-way delay: 68.648 ms

Loss rate: 0.34%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-06-05 06:51:07

End at: 2018-06-05 06:51:37

Local clock offset: 6.061 ms

Remote clock offset: -2.489 ms

Below is generated by plot.py at 2018-06-05 08:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.82 Mbit/s

95th percentile per-packet one-way delay: 70.456 ms

Loss rate: 0.20%

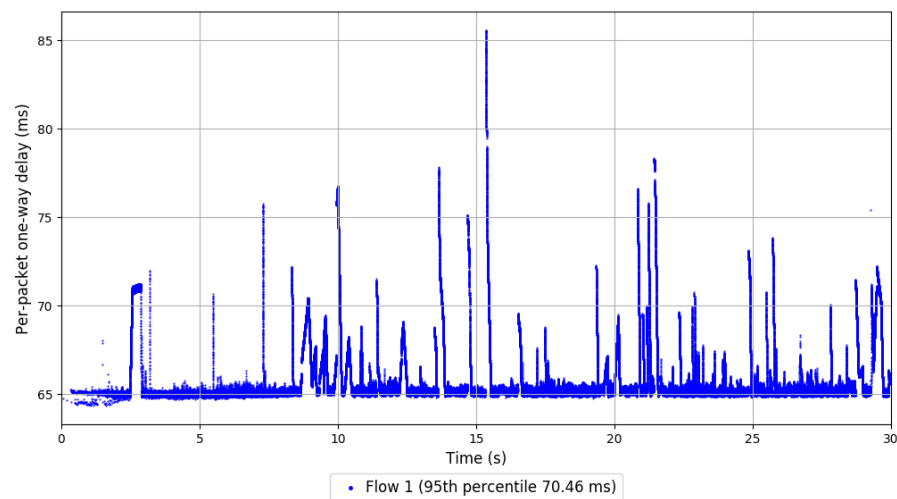
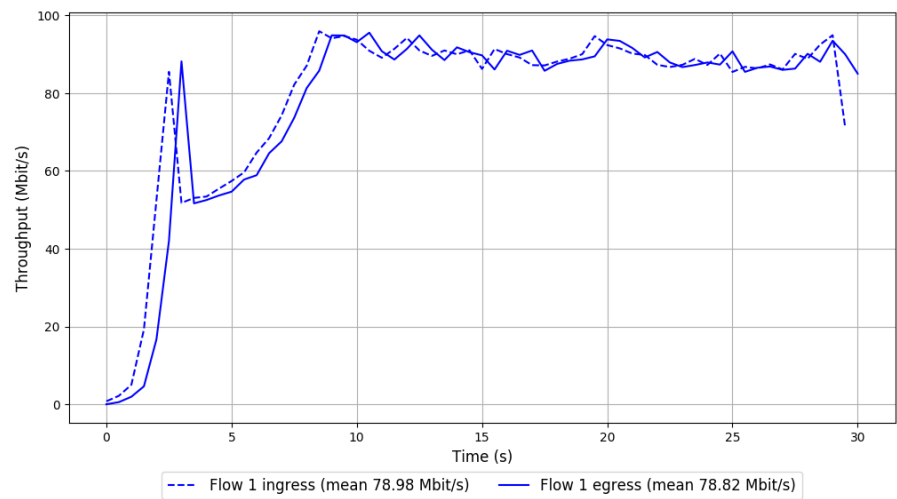
-- Flow 1:

Average throughput: 78.82 Mbit/s

95th percentile per-packet one-way delay: 70.456 ms

Loss rate: 0.20%

Run 8: Report of PCC-Vivace — Data Link

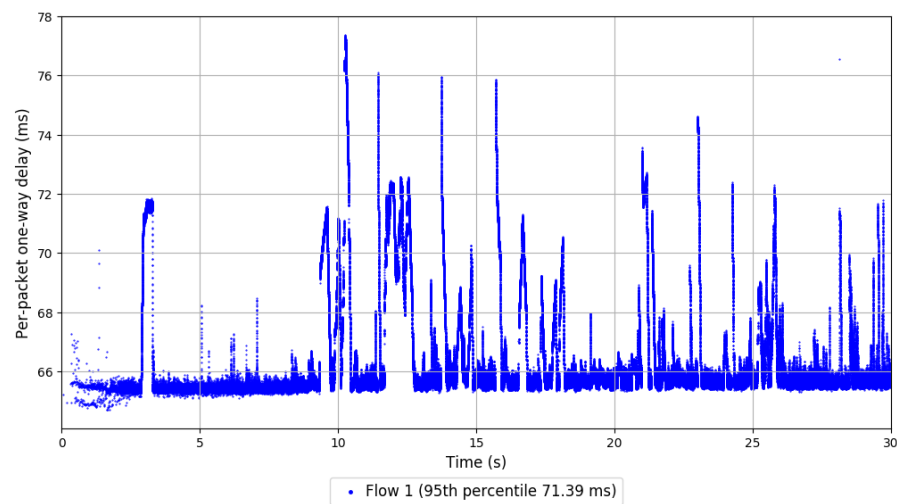
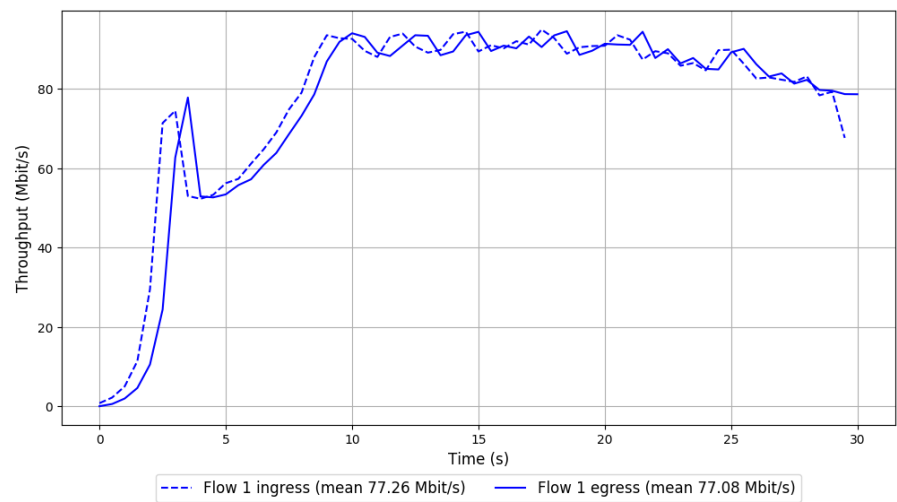


Run 9: Statistics of PCC-Vivace

Start at: 2018-06-05 07:13:11
End at: 2018-06-05 07:13:41
Local clock offset: 6.149 ms
Remote clock offset: -2.852 ms

Below is generated by plot.py at 2018-06-05 08:05:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.08 Mbit/s
95th percentile per-packet one-way delay: 71.385 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 77.08 Mbit/s
95th percentile per-packet one-way delay: 71.385 ms
Loss rate: 0.23%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-06-05 07:34:05

End at: 2018-06-05 07:34:35

Local clock offset: 7.599 ms

Remote clock offset: -3.636 ms

Below is generated by plot.py at 2018-06-05 08:05:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.68 Mbit/s

95th percentile per-packet one-way delay: 71.137 ms

Loss rate: 0.29%

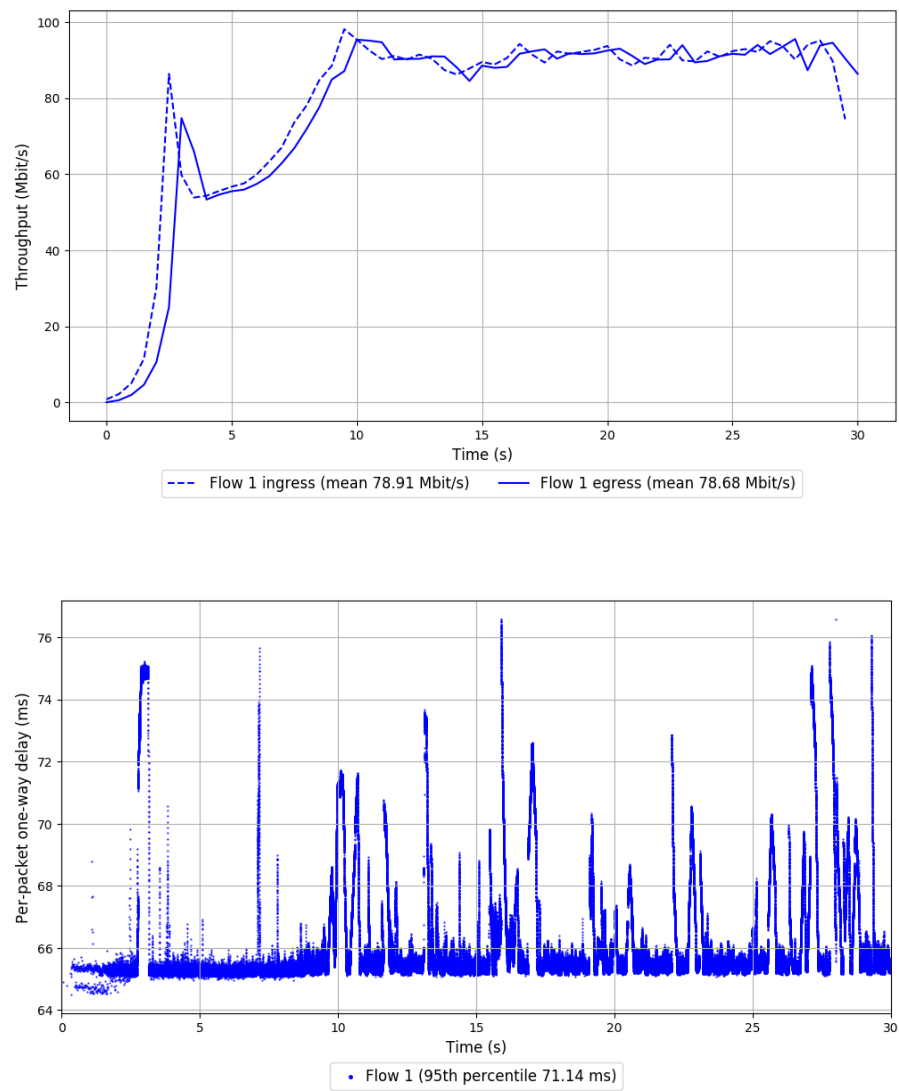
-- Flow 1:

Average throughput: 78.68 Mbit/s

95th percentile per-packet one-way delay: 71.137 ms

Loss rate: 0.29%

Run 10: Report of PCC-Vivace — Data Link

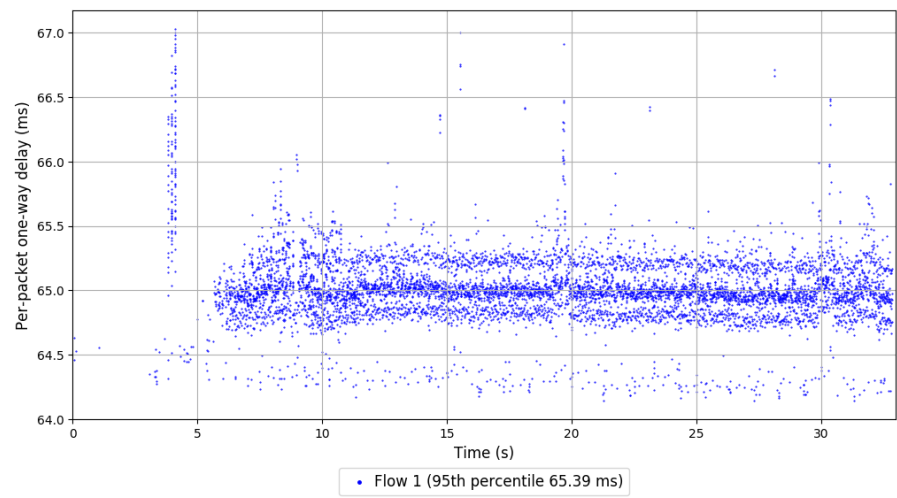
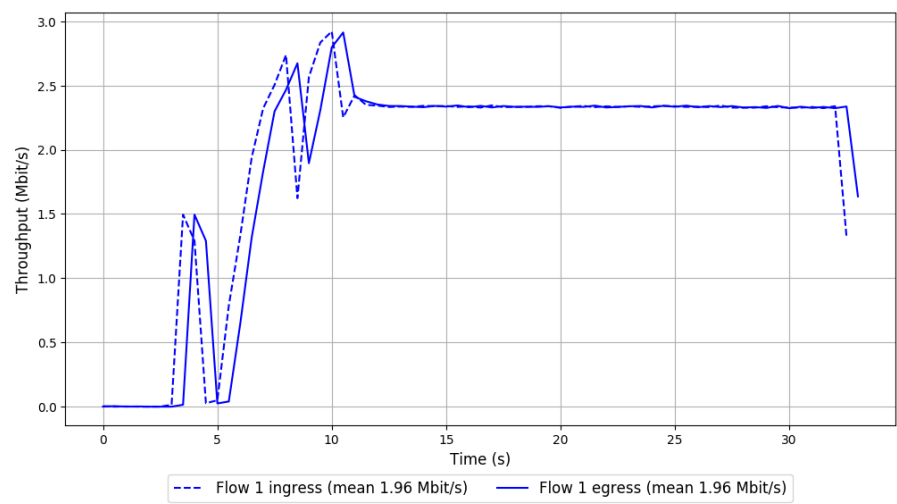


```
Run 1: Statistics of WebRTC media

Start at: 2018-06-05 04:23:24
End at: 2018-06-05 04:23:54
Local clock offset: 7.237 ms
Remote clock offset: -5.081 ms

# Below is generated by plot.py at 2018-06-05 08:05:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 65.390 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 65.390 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

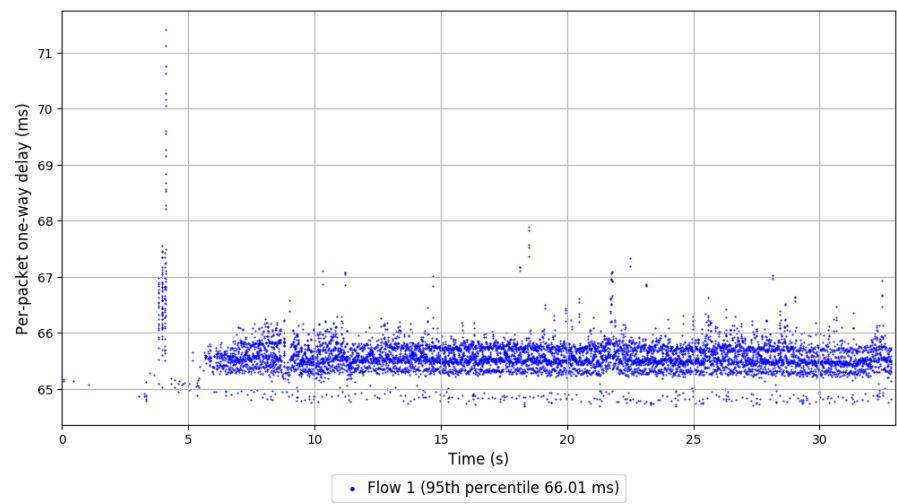
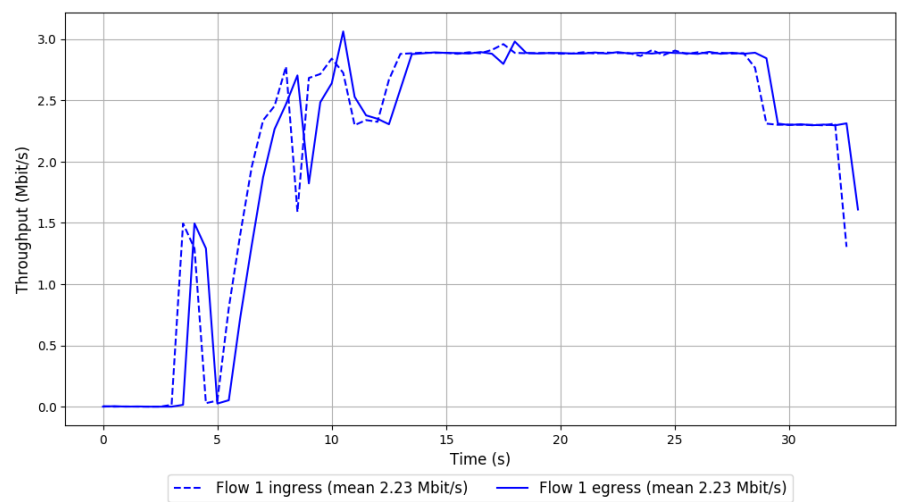


Run 2: Statistics of WebRTC media

Start at: 2018-06-05 04:44:17
End at: 2018-06-05 04:44:47
Local clock offset: 6.349 ms
Remote clock offset: -3.483 ms

Below is generated by plot.py at 2018-06-05 08:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 66.010 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 66.010 ms
Loss rate: 0.08%

Run 2: Report of WebRTC media — Data Link

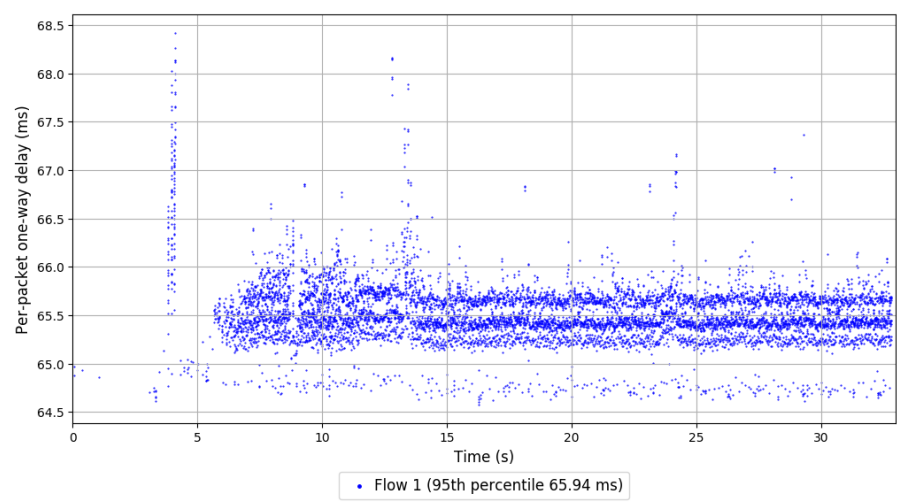
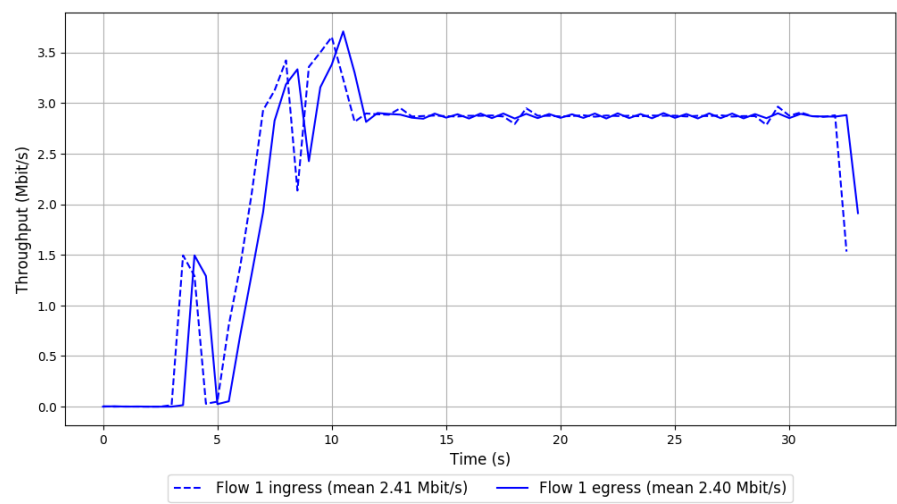


Run 3: Statistics of WebRTC media

Start at: 2018-06-05 05:05:15
End at: 2018-06-05 05:05:45
Local clock offset: 5.27 ms
Remote clock offset: -5.769 ms

Below is generated by plot.py at 2018-06-05 08:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 65.936 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 65.936 ms
Loss rate: 0.09%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-06-05 05:26:19

End at: 2018-06-05 05:26:49

Local clock offset: 7.041 ms

Remote clock offset: -6.04 ms

Below is generated by plot.py at 2018-06-05 08:05:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 65.604 ms

Loss rate: 0.06%

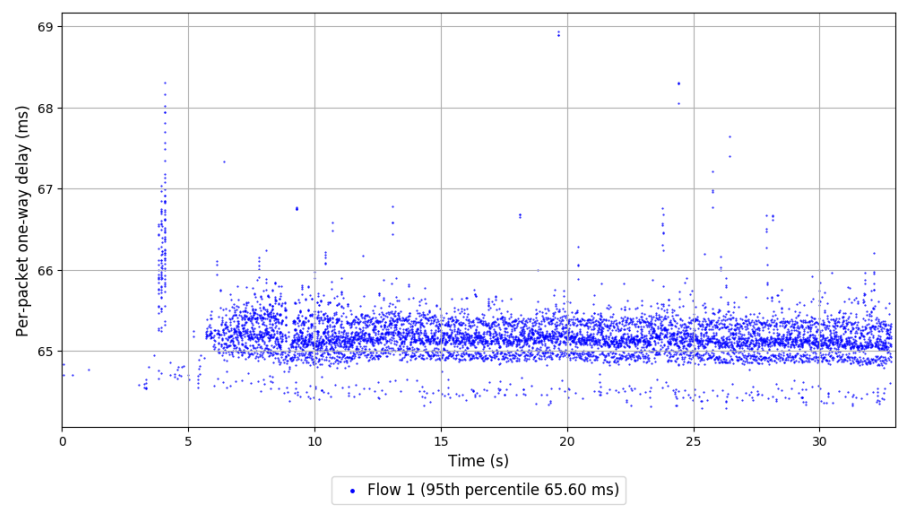
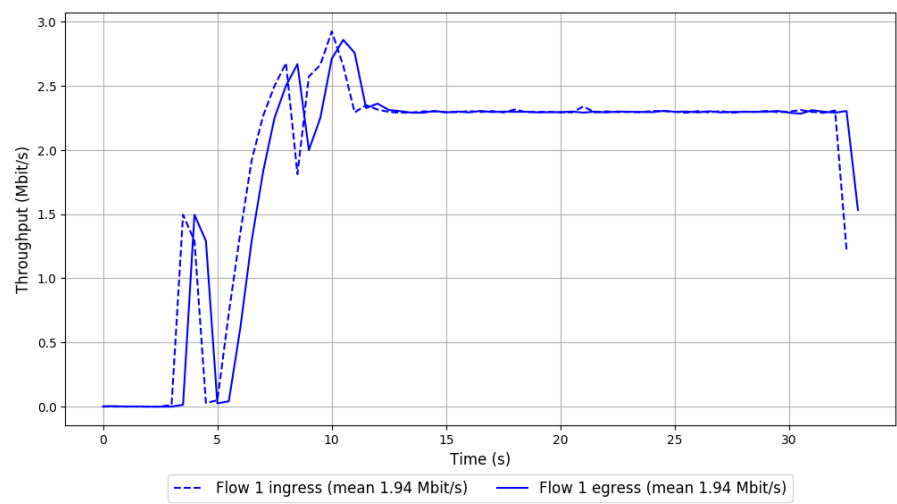
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 65.604 ms

Loss rate: 0.06%

Run 4: Report of WebRTC media — Data Link

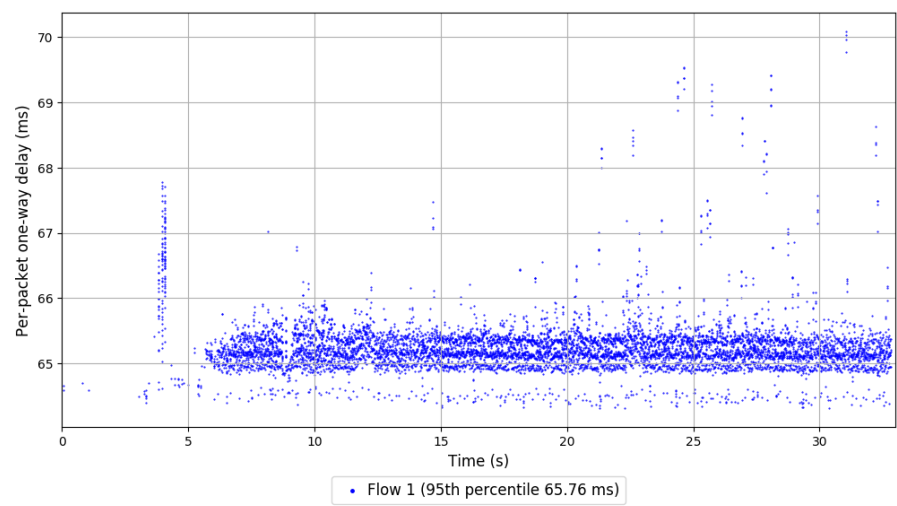
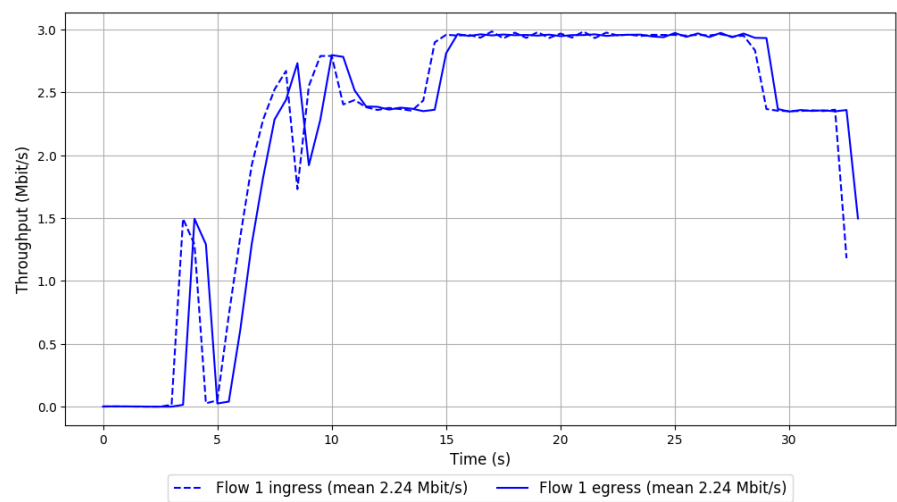


Run 5: Statistics of WebRTC media

Start at: 2018-06-05 05:47:15
End at: 2018-06-05 05:47:45
Local clock offset: 7.386 ms
Remote clock offset: -3.578 ms

Below is generated by plot.py at 2018-06-05 08:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 65.758 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 65.758 ms
Loss rate: 0.05%

Run 5: Report of WebRTC media — Data Link

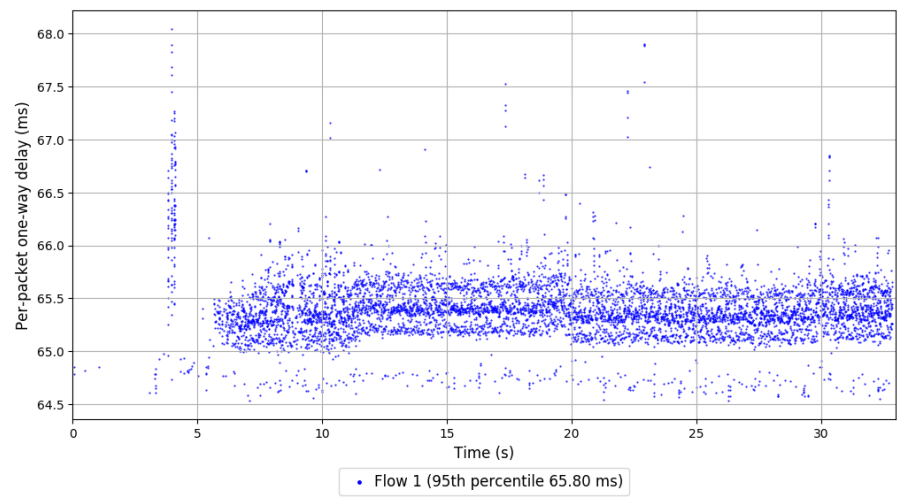
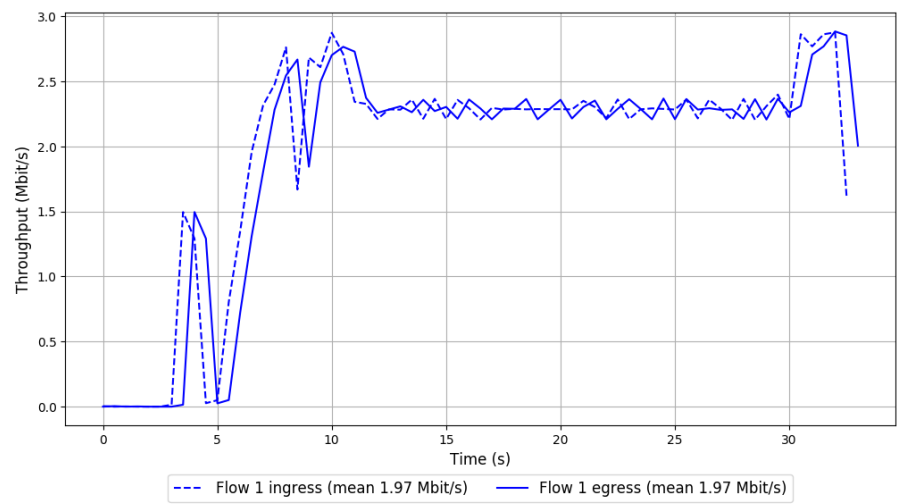


Run 6: Statistics of WebRTC media

Start at: 2018-06-05 06:08:09
End at: 2018-06-05 06:08:39
Local clock offset: 7.517 ms
Remote clock offset: -3.086 ms

Below is generated by plot.py at 2018-06-05 08:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 65.803 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 65.803 ms
Loss rate: 0.04%

Run 6: Report of WebRTC media — Data Link

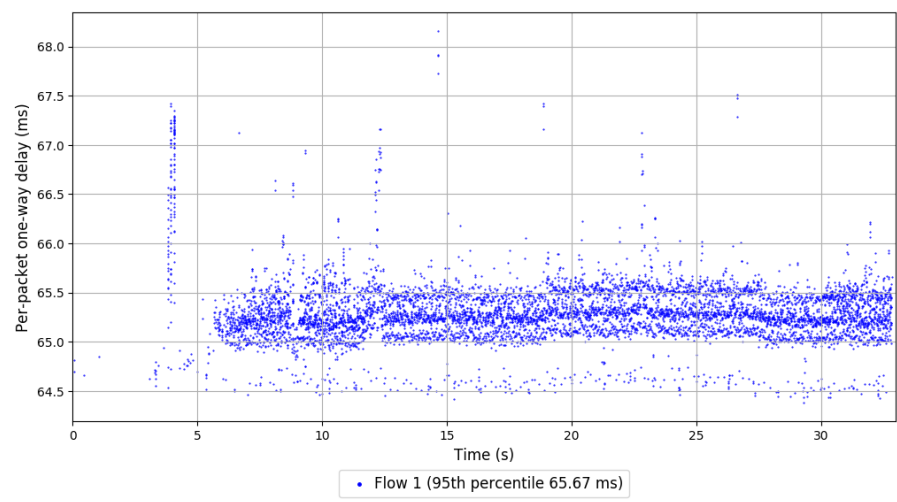
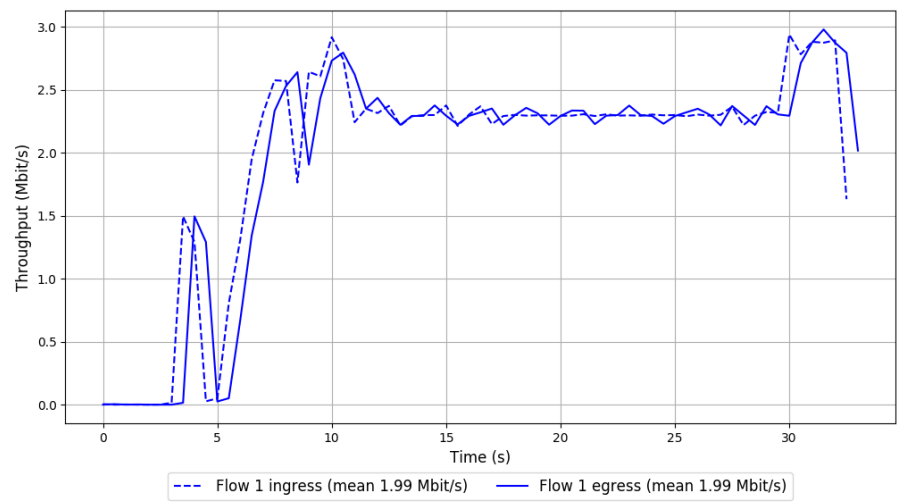


Run 7: Statistics of WebRTC media

Start at: 2018-06-05 06:29:01
End at: 2018-06-05 06:29:31
Local clock offset: 6.779 ms
Remote clock offset: -2.624 ms

Below is generated by plot.py at 2018-06-05 08:05:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 65.674 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 65.674 ms
Loss rate: 0.01%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-06-05 06:49:51

End at: 2018-06-05 06:50:21

Local clock offset: 6.114 ms

Remote clock offset: -2.43 ms

Below is generated by plot.py at 2018-06-05 08:05:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 65.743 ms

Loss rate: 0.00%

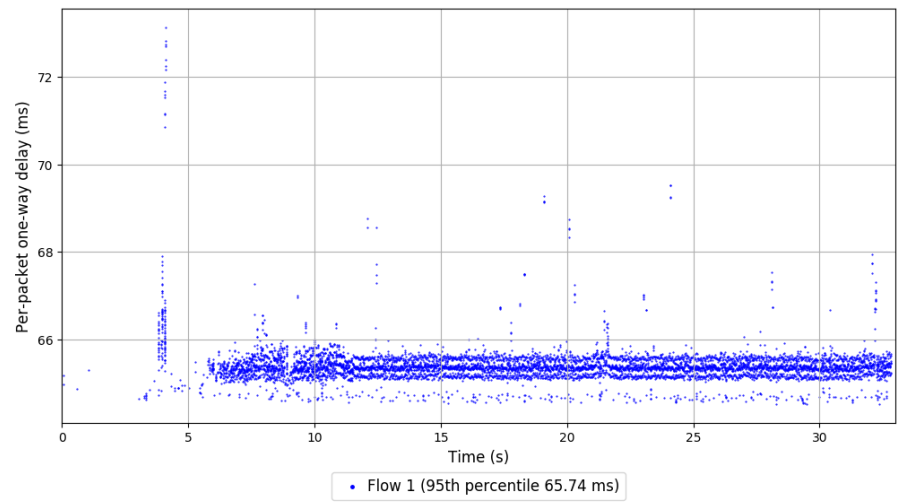
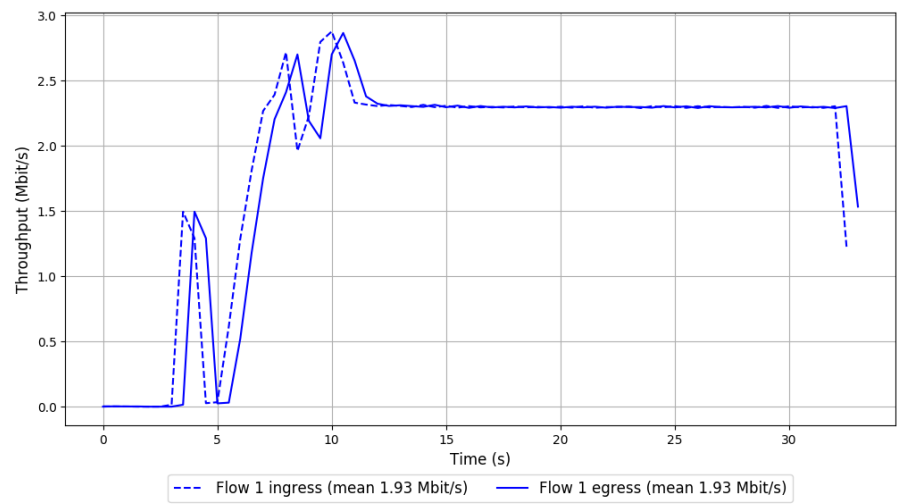
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 65.743 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-06-05 07:11:55

End at: 2018-06-05 07:12:25

Local clock offset: 6.055 ms

Remote clock offset: -2.72 ms

Below is generated by plot.py at 2018-06-05 08:05:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 65.878 ms

Loss rate: 0.00%

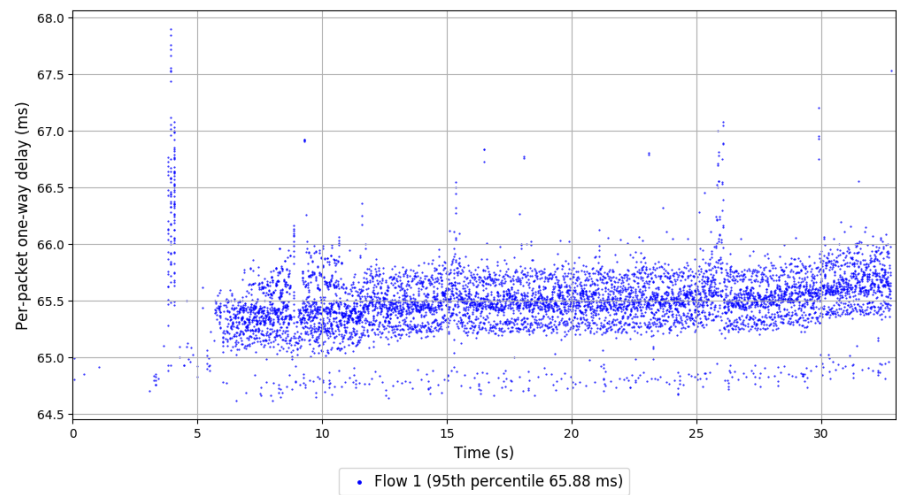
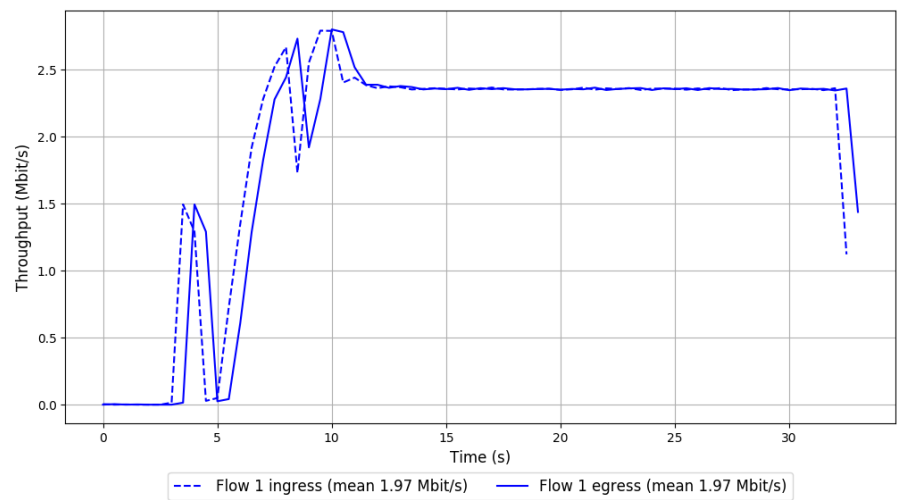
-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 65.878 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-05 07:32:50

End at: 2018-06-05 07:33:20

Local clock offset: 7.821 ms

Remote clock offset: -3.581 ms

Below is generated by plot.py at 2018-06-05 08:05:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 65.733 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 65.733 ms

Loss rate: 0.28%

Run 10: Report of WebRTC media — Data Link

