

Pantheon Report

Generated at 2018-05-30 19:17:52 (UTC).

Data path: AWS Brazil 1 Ethernet (*local*) → Brazil Ethernet (*remote*).

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

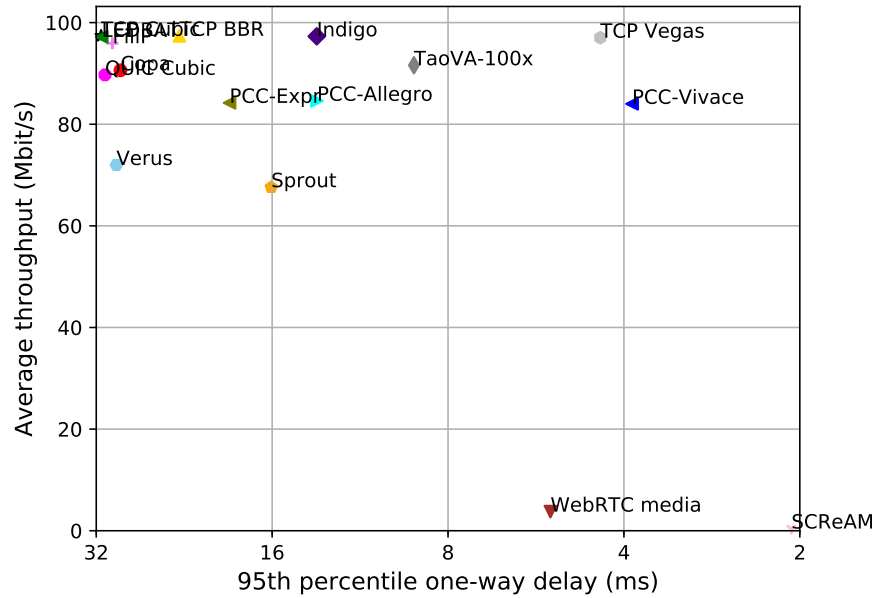
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

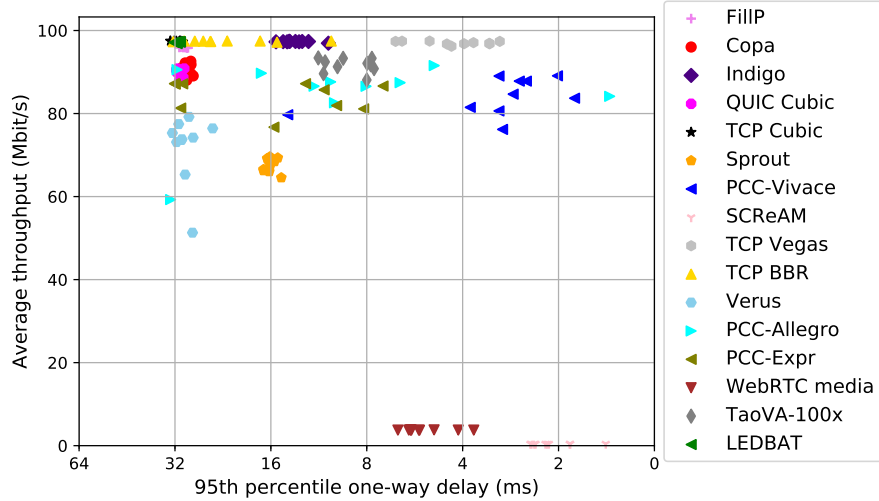
Git summary:

```
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
```

test from AWS Brazil 1 to Brazil, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from AWS Brazil 1 to Brazil, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows



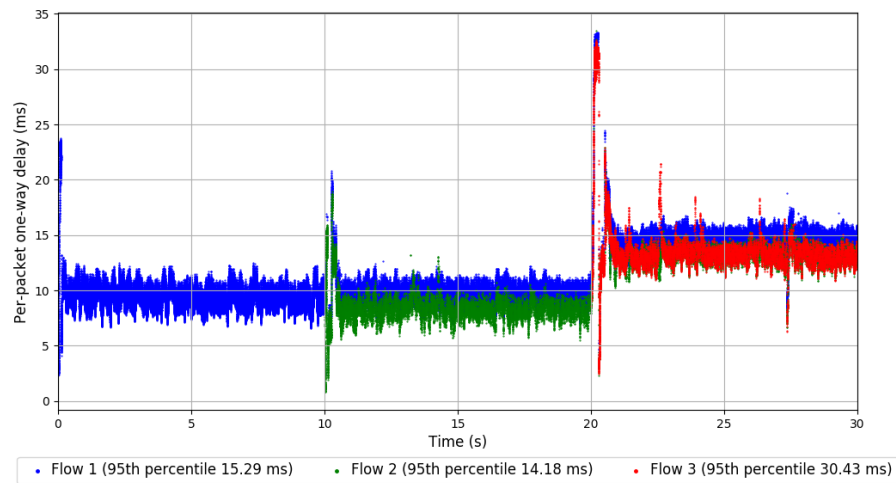
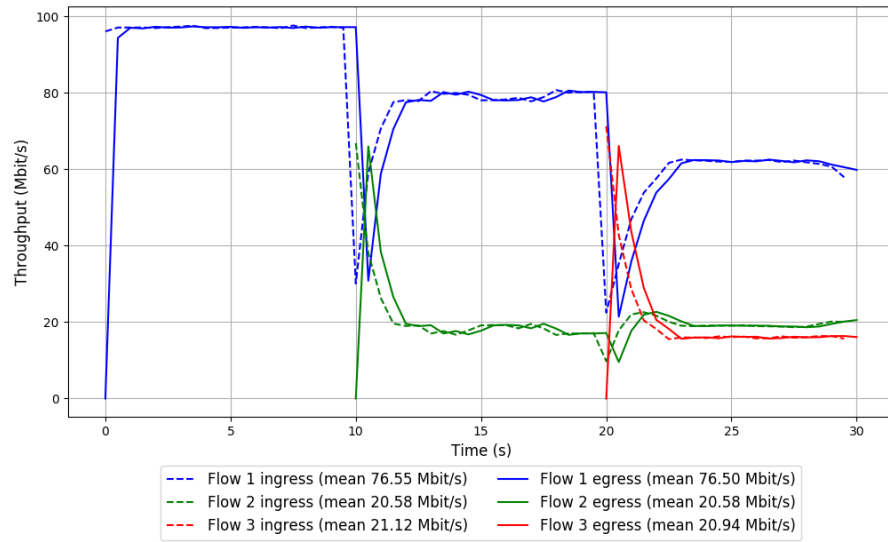
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	71.99	25.83	24.63	22.95	22.37	27.99	0.05	0.04	0.67
Copa	10	54.52	39.12	30.16	28.41	29.56	29.54	0.01	0.02	0.04
TCP Cubic	10	65.72	34.26	26.70	31.26	31.20	31.55	0.03	0.08	0.11
FillP	10	51.98	48.04	36.33	29.21	29.87	29.59	11.84	21.36	24.64
Indigo	10	46.28	44.15	66.74	11.08	13.21	13.98	0.00	0.00	0.00
LEDBAT	10	60.87	39.53	30.15	31.00	31.42	31.74	0.04	0.07	0.09
PCC-Allegro	10	64.29	26.41	8.37	11.48	17.10	19.01	0.02	0.03	0.06
PCC-Expr	10	51.34	36.60	25.81	20.58	17.94	13.03	0.81	0.42	0.18
QUIC Cubic	10	57.22	35.10	27.89	30.53	30.71	31.01	0.14	0.19	0.22
SCReAM	10	0.22	0.22	0.22	1.43	1.78	1.47	0.00	0.00	0.00
Sprout	10	35.40	33.50	30.02	14.68	15.78	18.98	0.00	0.00	0.00
TaoVA-100x	10	52.38	36.49	44.92	7.89	9.92	9.75	0.02	0.06	0.10
TCP Vegas	10	51.47	44.99	46.88	5.79	3.79	3.14	0.00	0.00	0.00
Verus	10	41.26	32.91	26.79	27.04	29.85	31.57	8.26	12.82	19.61
PCC-Vivace	10	53.84	33.40	24.10	3.51	4.47	3.52	0.03	0.05	0.00
WebRTC media	10	2.00	1.32	0.45	5.31	5.01	6.14	0.00	0.01	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-05-30 15:49:30
End at: 2018-05-30 15:50:00
Local clock offset: -1.168 ms
Remote clock offset: -1.497 ms

Below is generated by plot.py at 2018-05-30 18:54:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.19 Mbit/s
95th percentile per-packet one-way delay: 15.305 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 76.50 Mbit/s
95th percentile per-packet one-way delay: 15.290 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 20.58 Mbit/s
95th percentile per-packet one-way delay: 14.182 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 20.94 Mbit/s
95th percentile per-packet one-way delay: 30.426 ms
Loss rate: 0.79%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-05-30 16:07:34

End at: 2018-05-30 16:08:04

Local clock offset: -0.271 ms

Remote clock offset: 0.777 ms

Below is generated by plot.py at 2018-05-30 18:54:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.36 Mbit/s

95th percentile per-packet one-way delay: 24.715 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 56.59 Mbit/s

95th percentile per-packet one-way delay: 24.243 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 43.35 Mbit/s

95th percentile per-packet one-way delay: 24.570 ms

Loss rate: 0.04%

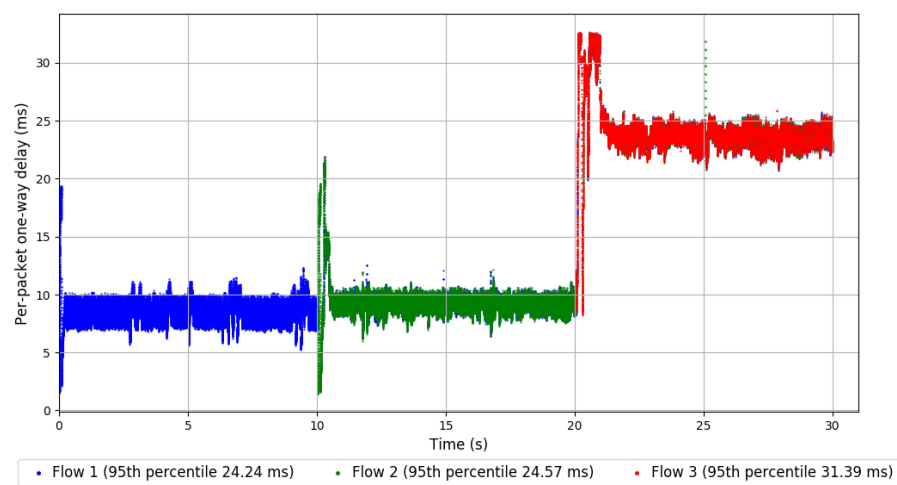
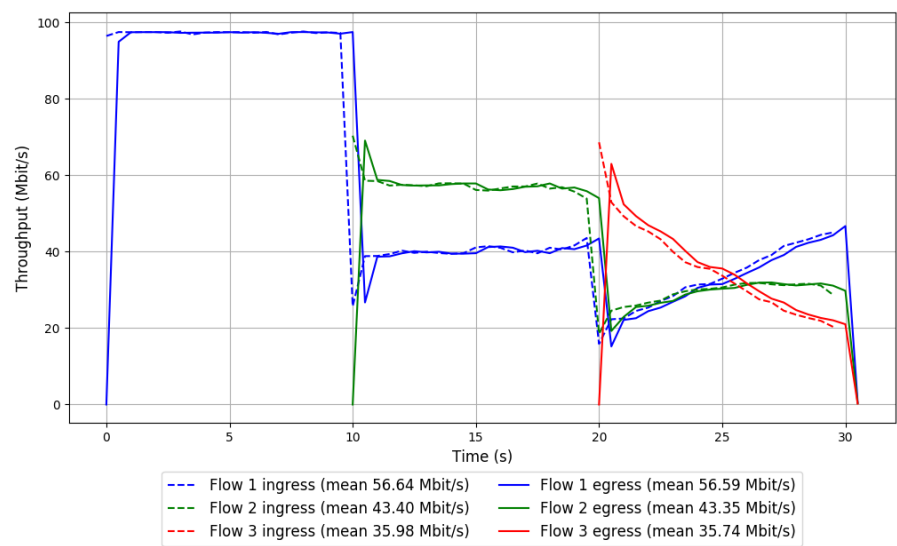
-- Flow 3:

Average throughput: 35.74 Mbit/s

95th percentile per-packet one-way delay: 31.389 ms

Loss rate: 0.52%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-05-30 16:25:39

End at: 2018-05-30 16:26:09

Local clock offset: -0.913 ms

Remote clock offset: 2.223 ms

Below is generated by plot.py at 2018-05-30 18:54:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 10.339 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 72.64 Mbit/s

95th percentile per-packet one-way delay: 10.331 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 22.07 Mbit/s

95th percentile per-packet one-way delay: 9.341 ms

Loss rate: 0.00%

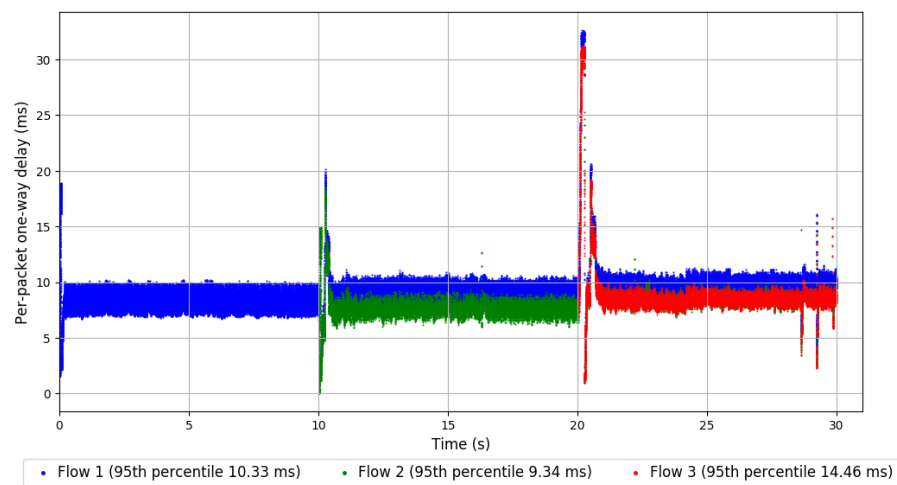
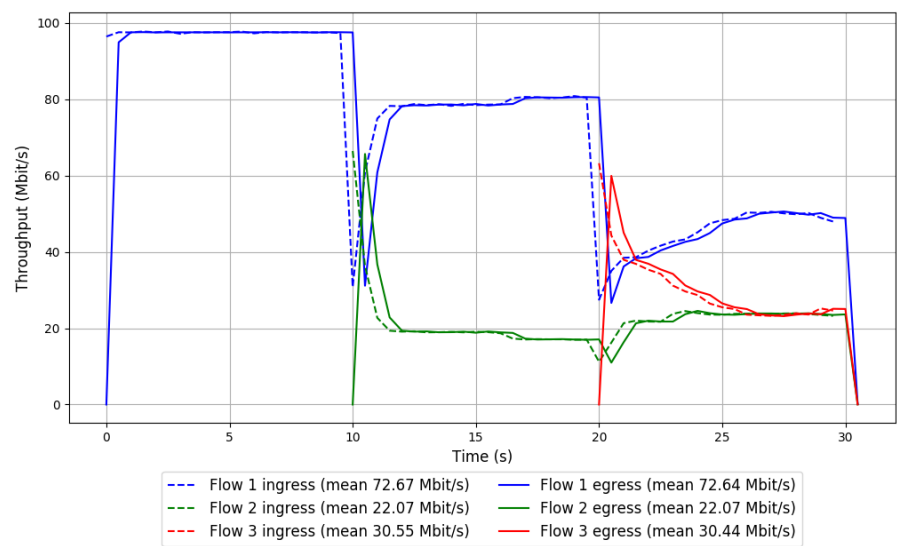
-- Flow 3:

Average throughput: 30.44 Mbit/s

95th percentile per-packet one-way delay: 14.460 ms

Loss rate: 0.32%

Run 3: Report of TCP BBR — Data Link

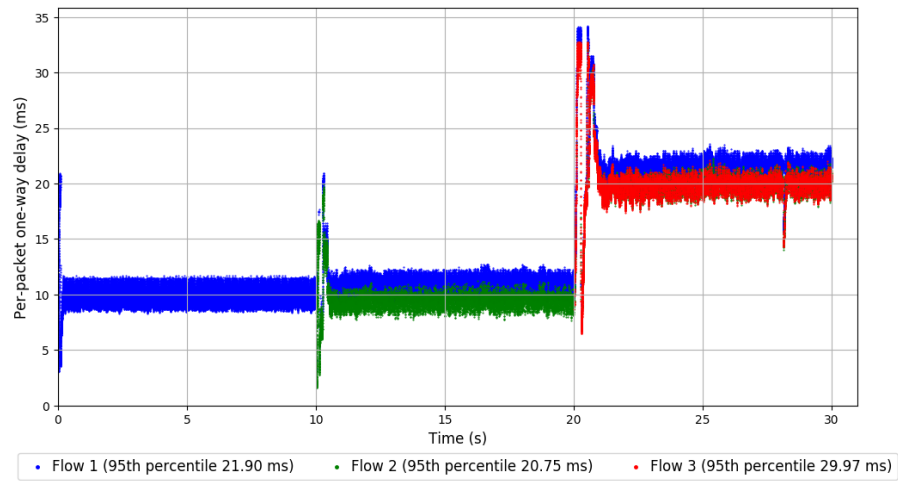
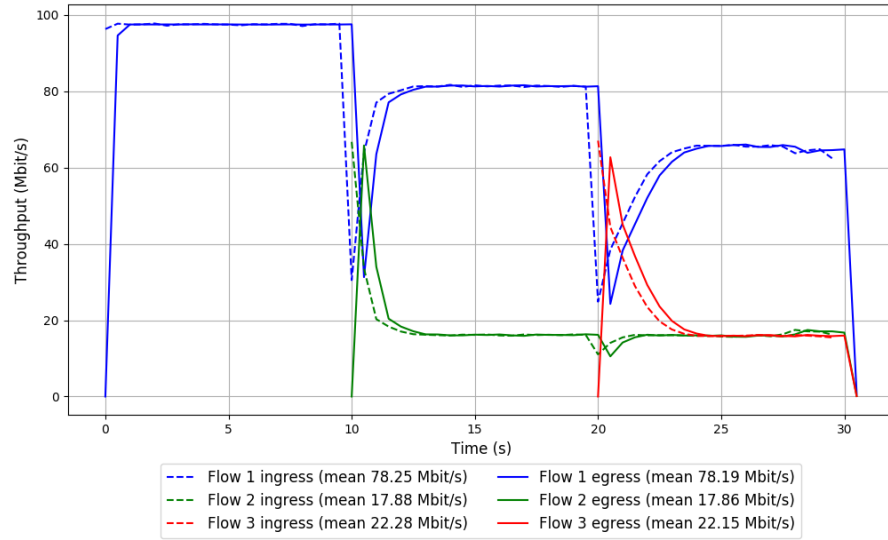


Run 4: Statistics of TCP BBR

Start at: 2018-05-30 16:43:48
End at: 2018-05-30 16:44:18
Local clock offset: -2.495 ms
Remote clock offset: -1.235 ms

Below is generated by plot.py at 2018-05-30 18:54:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 21.933 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 78.19 Mbit/s
95th percentile per-packet one-way delay: 21.902 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 17.86 Mbit/s
95th percentile per-packet one-way delay: 20.746 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 22.15 Mbit/s
95th percentile per-packet one-way delay: 29.974 ms
Loss rate: 0.44%

Run 4: Report of TCP BBR — Data Link

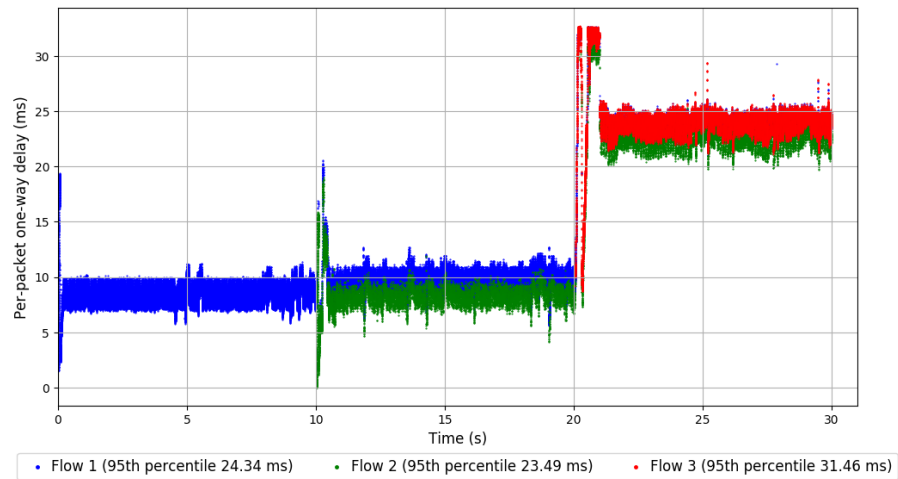
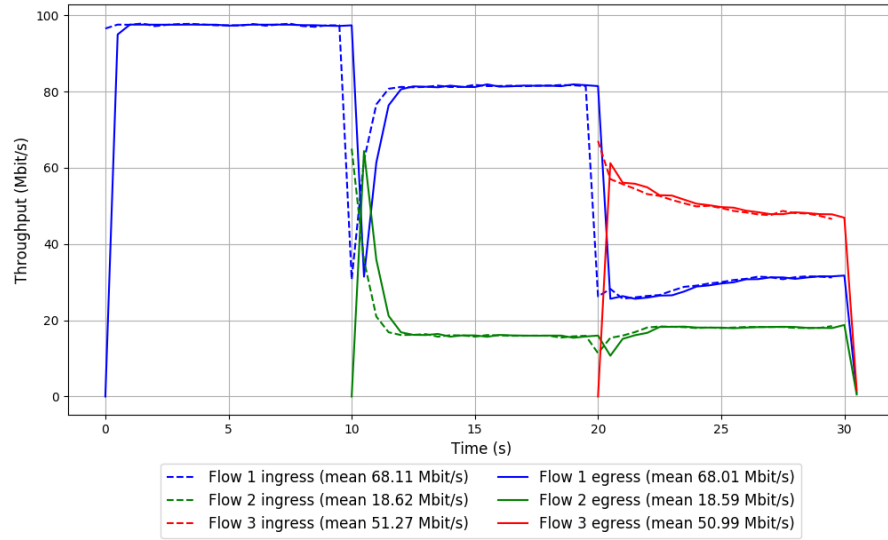


Run 5: Statistics of TCP BBR

Start at: 2018-05-30 17:03:19
End at: 2018-05-30 17:03:49
Local clock offset: -0.862 ms
Remote clock offset: -2.366 ms

Below is generated by plot.py at 2018-05-30 18:54:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.36 Mbit/s
95th percentile per-packet one-way delay: 24.784 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 68.01 Mbit/s
95th percentile per-packet one-way delay: 24.338 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 18.59 Mbit/s
95th percentile per-packet one-way delay: 23.488 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 50.99 Mbit/s
95th percentile per-packet one-way delay: 31.462 ms
Loss rate: 0.39%

Run 5: Report of TCP BBR — Data Link

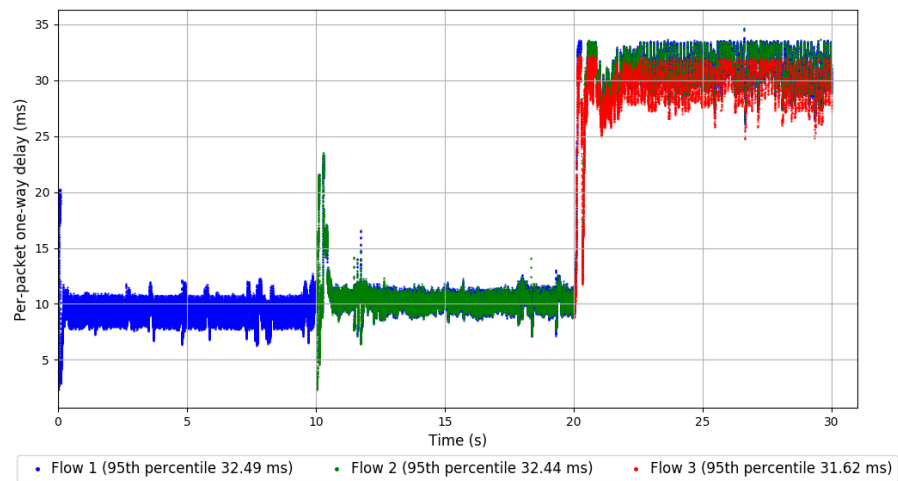
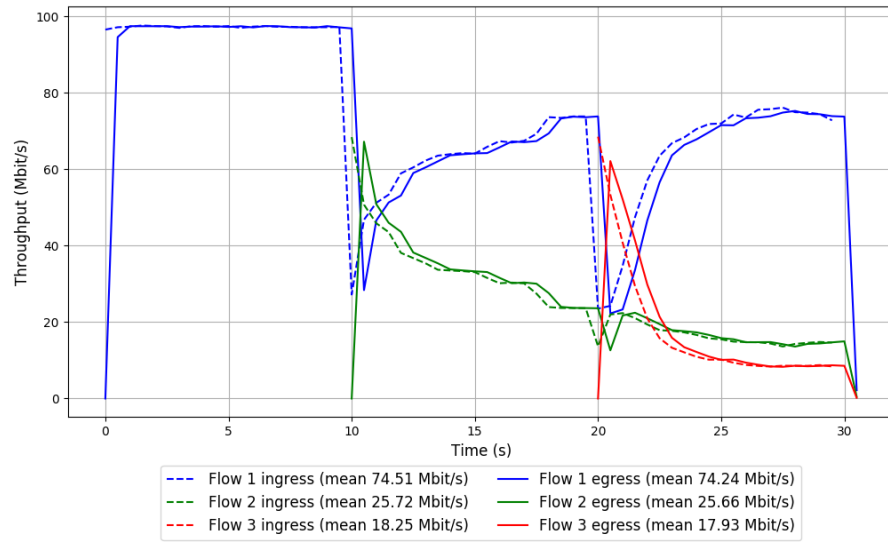


Run 6: Statistics of TCP BBR

Start at: 2018-05-30 17:21:28
End at: 2018-05-30 17:21:58
Local clock offset: -2.867 ms
Remote clock offset: -7.748 ms

Below is generated by plot.py at 2018-05-30 18:54:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.30 Mbit/s
95th percentile per-packet one-way delay: 32.408 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 74.24 Mbit/s
95th percentile per-packet one-way delay: 32.486 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 25.66 Mbit/s
95th percentile per-packet one-way delay: 32.439 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 17.93 Mbit/s
95th percentile per-packet one-way delay: 31.619 ms
Loss rate: 1.58%

Run 6: Report of TCP BBR — Data Link

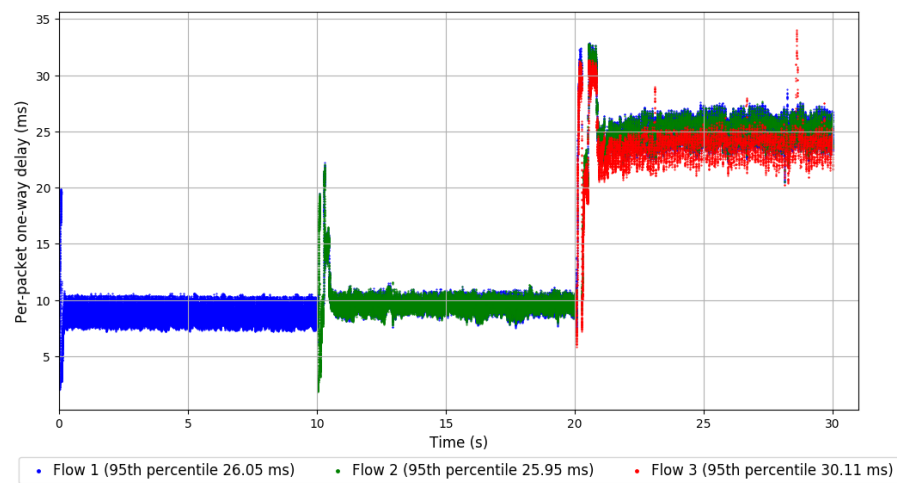
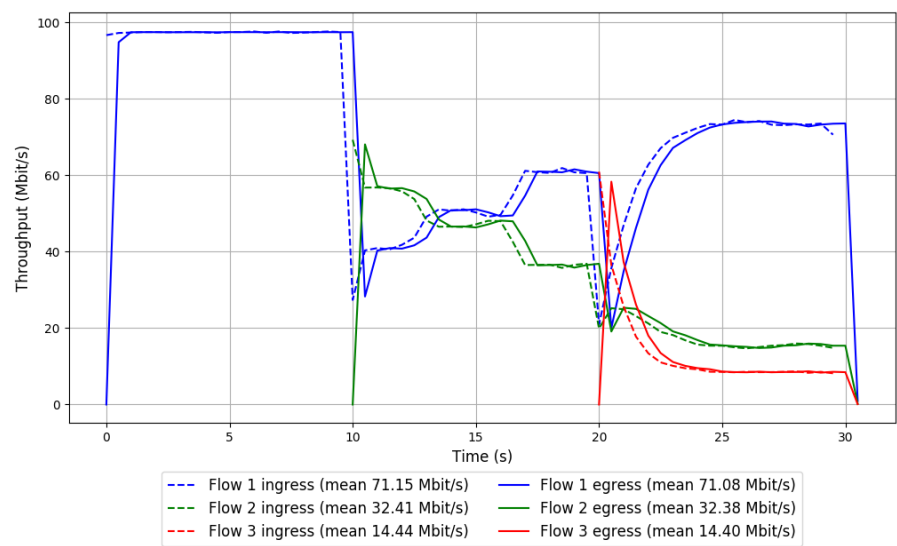


Run 7: Statistics of TCP BBR

Start at: 2018-05-30 17:39:32
End at: 2018-05-30 17:40:02
Local clock offset: -3.113 ms
Remote clock offset: -9.956 ms

Below is generated by plot.py at 2018-05-30 18:54:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 26.080 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 71.08 Mbit/s
95th percentile per-packet one-way delay: 26.047 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 32.38 Mbit/s
95th percentile per-packet one-way delay: 25.954 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 14.40 Mbit/s
95th percentile per-packet one-way delay: 30.113 ms
Loss rate: 0.16%

Run 7: Report of TCP BBR — Data Link

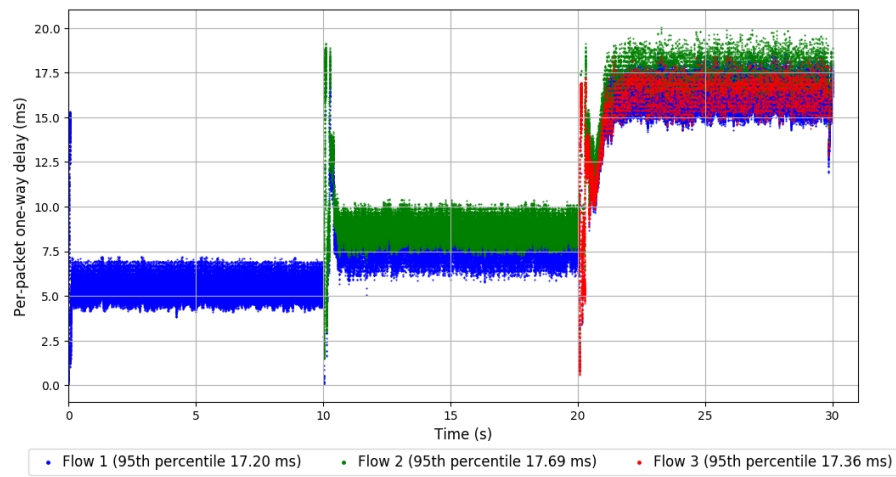
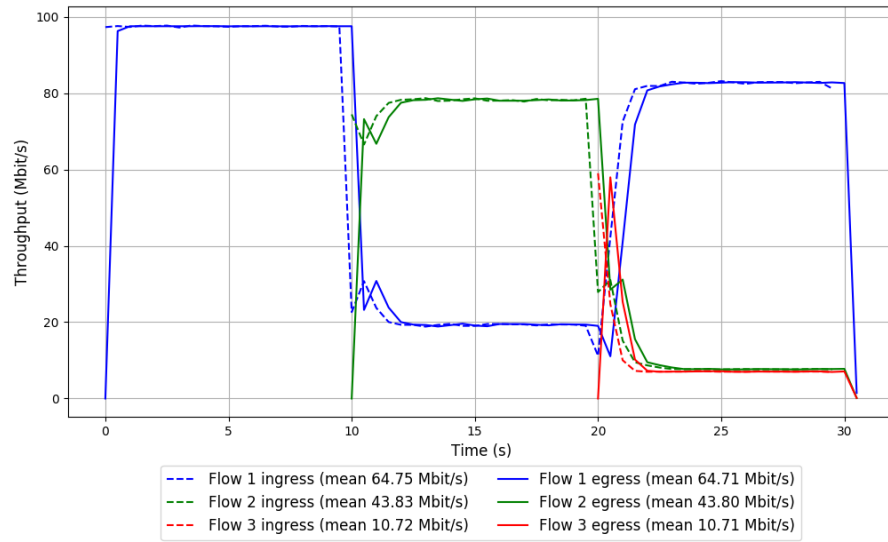


Run 8: Statistics of TCP BBR

Start at: 2018-05-30 17:57:42
End at: 2018-05-30 17:58:12
Local clock offset: -2.45 ms
Remote clock offset: -3.428 ms

Below is generated by plot.py at 2018-05-30 18:54:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 17.289 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.71 Mbit/s
95th percentile per-packet one-way delay: 17.200 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.80 Mbit/s
95th percentile per-packet one-way delay: 17.693 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.71 Mbit/s
95th percentile per-packet one-way delay: 17.364 ms
Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link

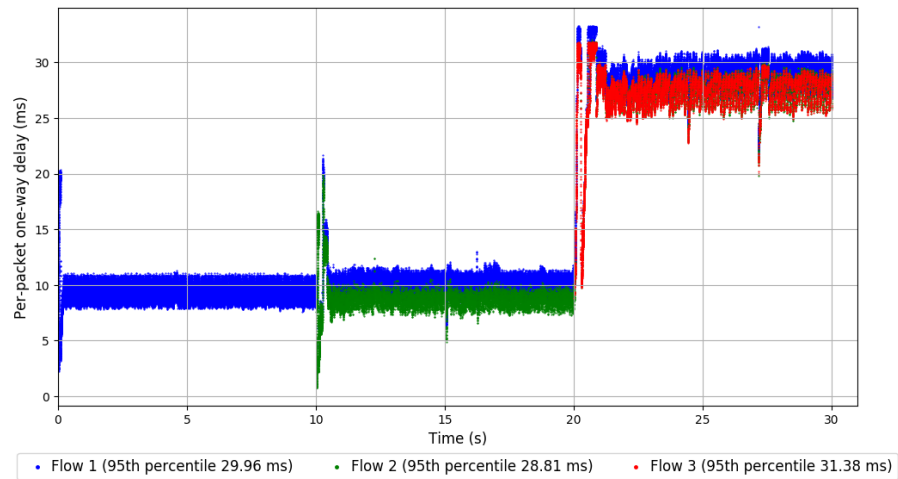
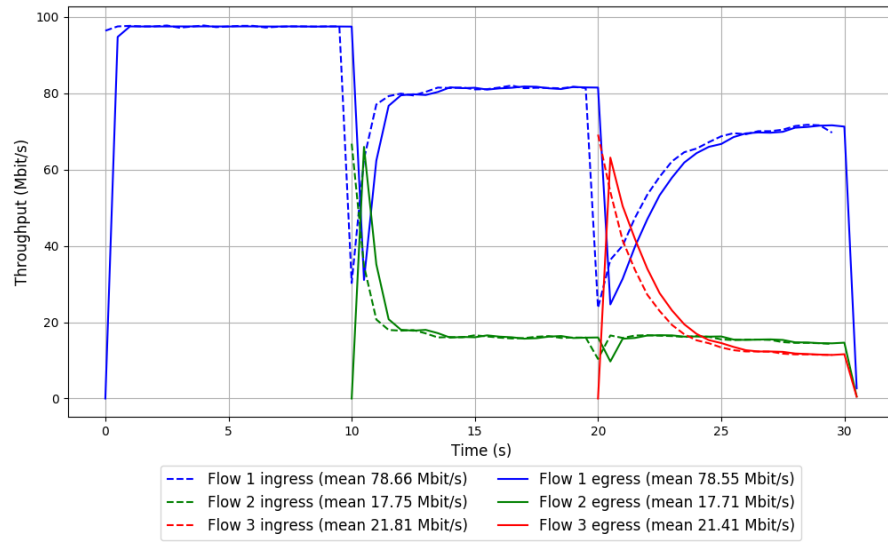


Run 9: Statistics of TCP BBR

Start at: 2018-05-30 18:15:45
End at: 2018-05-30 18:16:15
Local clock offset: -6.334 ms
Remote clock offset: -2.701 ms

Below is generated by plot.py at 2018-05-30 18:55:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 29.954 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 78.55 Mbit/s
95th percentile per-packet one-way delay: 29.960 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 17.71 Mbit/s
95th percentile per-packet one-way delay: 28.809 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 21.41 Mbit/s
95th percentile per-packet one-way delay: 31.381 ms
Loss rate: 1.67%

Run 9: Report of TCP BBR — Data Link

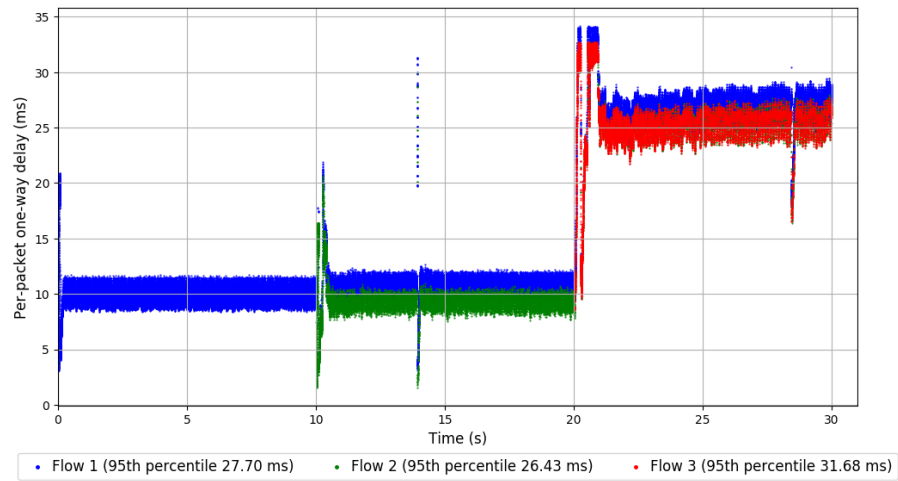
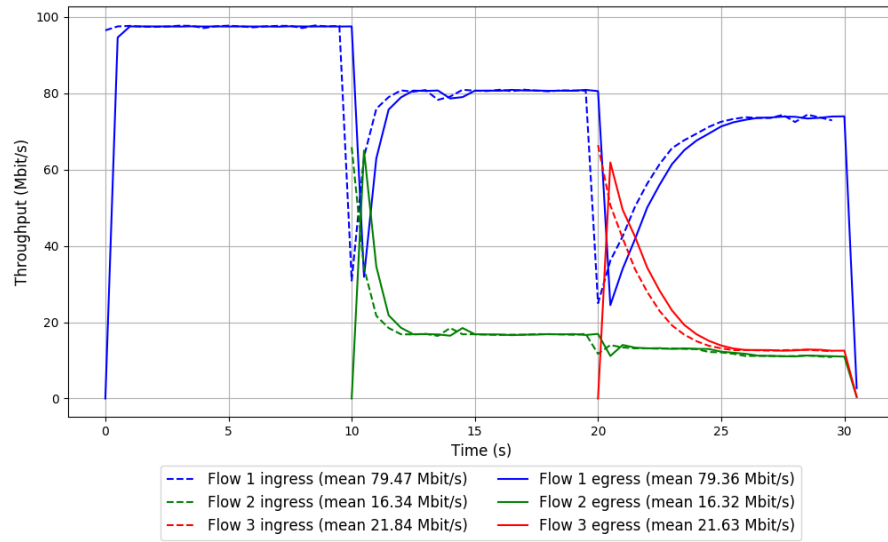


Run 10: Statistics of TCP BBR

Start at: 2018-05-30 18:33:50
End at: 2018-05-30 18:34:20
Local clock offset: -9.364 ms
Remote clock offset: -2.858 ms

Below is generated by plot.py at 2018-05-30 18:55:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 27.736 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 79.36 Mbit/s
95th percentile per-packet one-way delay: 27.701 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 16.32 Mbit/s
95th percentile per-packet one-way delay: 26.431 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 21.63 Mbit/s
95th percentile per-packet one-way delay: 31.682 ms
Loss rate: 0.78%

Run 10: Report of TCP BBR — Data Link

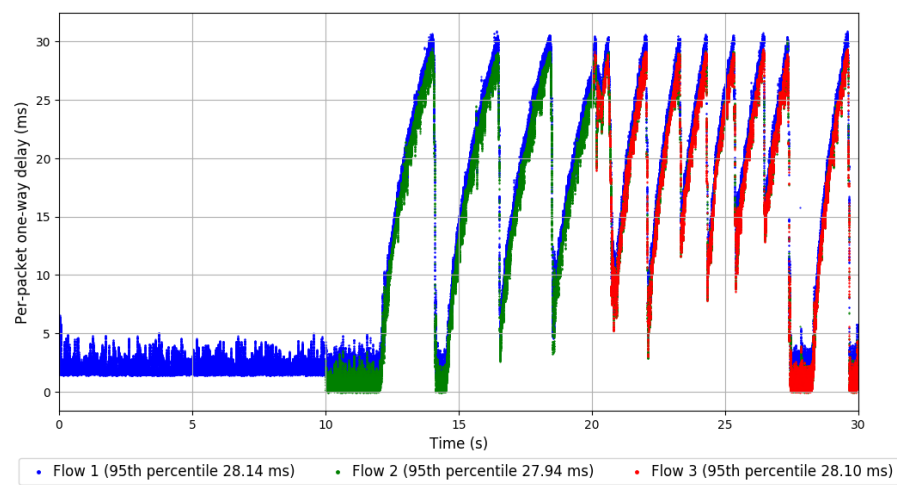
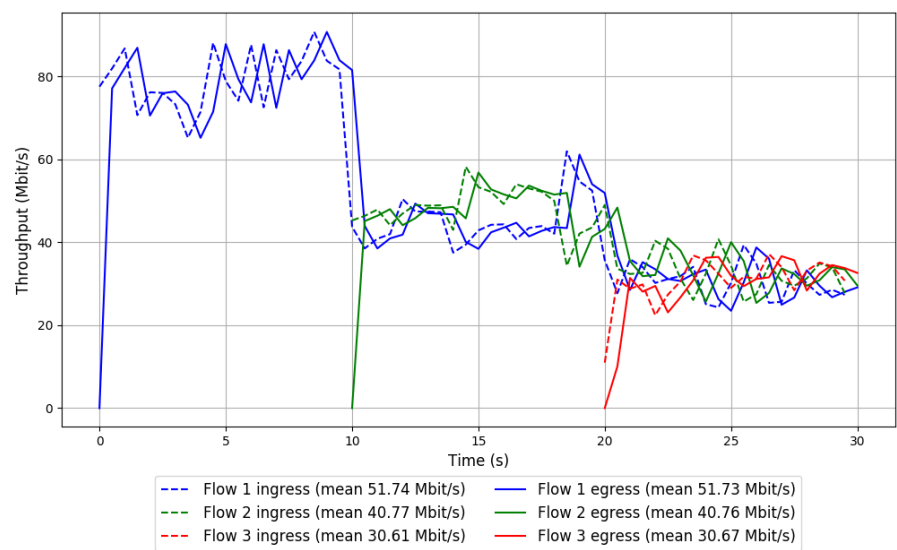


Run 1: Statistics of Copa

Start at: 2018-05-30 15:52:50
End at: 2018-05-30 15:53:20
Local clock offset: -0.398 ms
Remote clock offset: -1.404 ms

Below is generated by plot.py at 2018-05-30 18:56:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.06 Mbit/s
95th percentile per-packet one-way delay: 28.057 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 51.73 Mbit/s
95th percentile per-packet one-way delay: 28.139 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 40.76 Mbit/s
95th percentile per-packet one-way delay: 27.941 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 30.67 Mbit/s
95th percentile per-packet one-way delay: 28.098 ms
Loss rate: 0.04%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-05-30 16:10:53

End at: 2018-05-30 16:11:23

Local clock offset: -0.561 ms

Remote clock offset: 1.122 ms

Below is generated by plot.py at 2018-05-30 18:56:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.79 Mbit/s

95th percentile per-packet one-way delay: 28.503 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 57.41 Mbit/s

95th percentile per-packet one-way delay: 27.366 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 36.20 Mbit/s

95th percentile per-packet one-way delay: 29.699 ms

Loss rate: 0.03%

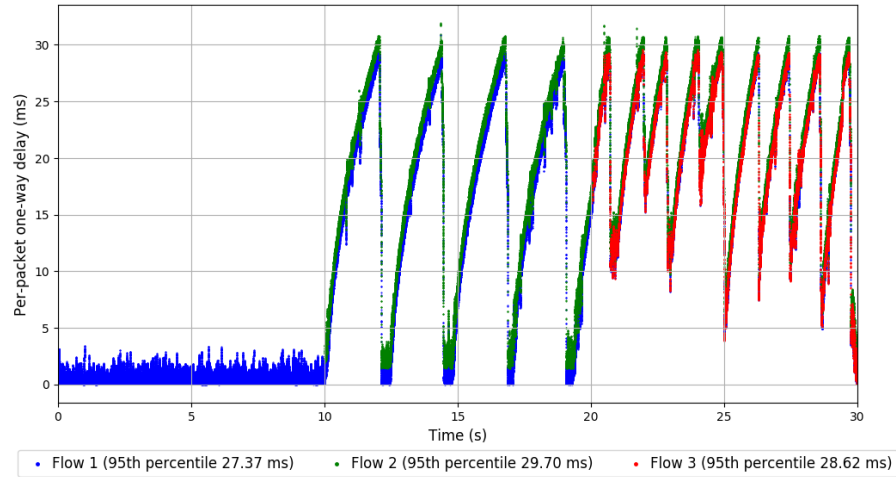
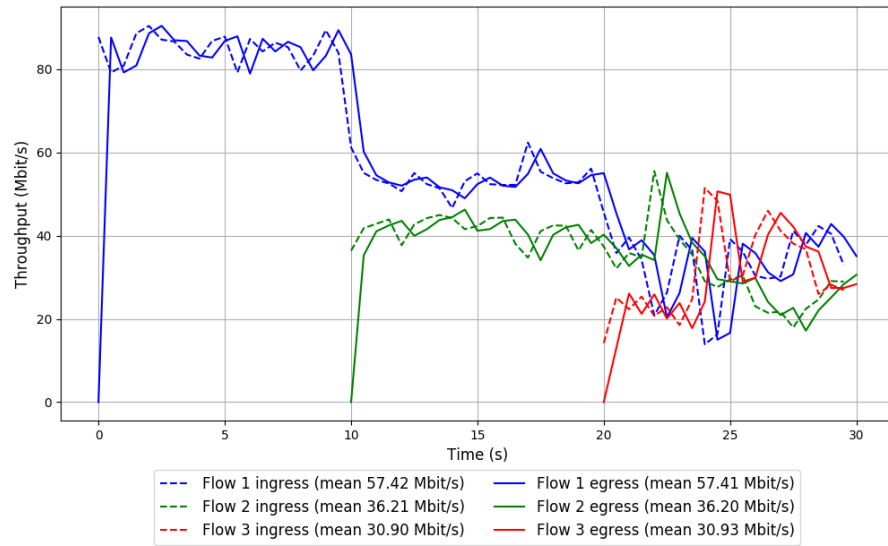
-- Flow 3:

Average throughput: 30.93 Mbit/s

95th percentile per-packet one-way delay: 28.617 ms

Loss rate: 0.04%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-05-30 16:28:58

End at: 2018-05-30 16:29:28

Local clock offset: -1.726 ms

Remote clock offset: 2.454 ms

Below is generated by plot.py at 2018-05-30 18:56:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.03 Mbit/s

95th percentile per-packet one-way delay: 29.398 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 51.92 Mbit/s

95th percentile per-packet one-way delay: 28.719 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 38.58 Mbit/s

95th percentile per-packet one-way delay: 30.257 ms

Loss rate: 0.02%

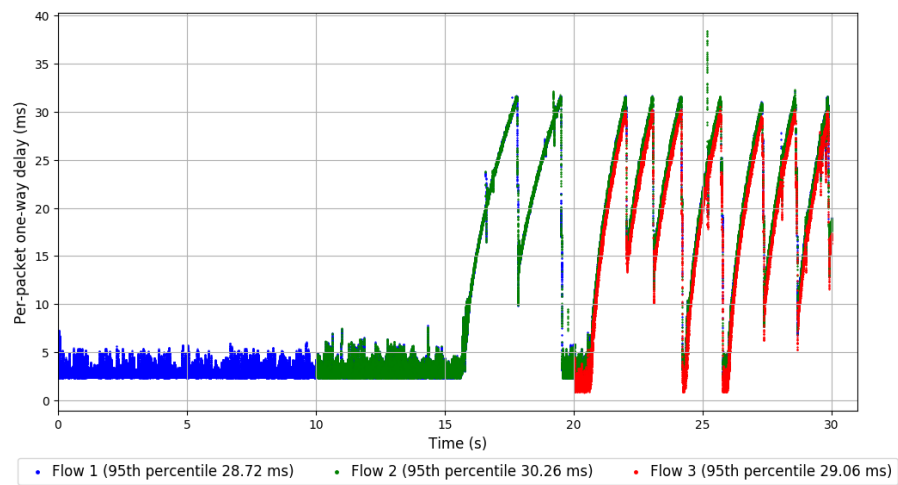
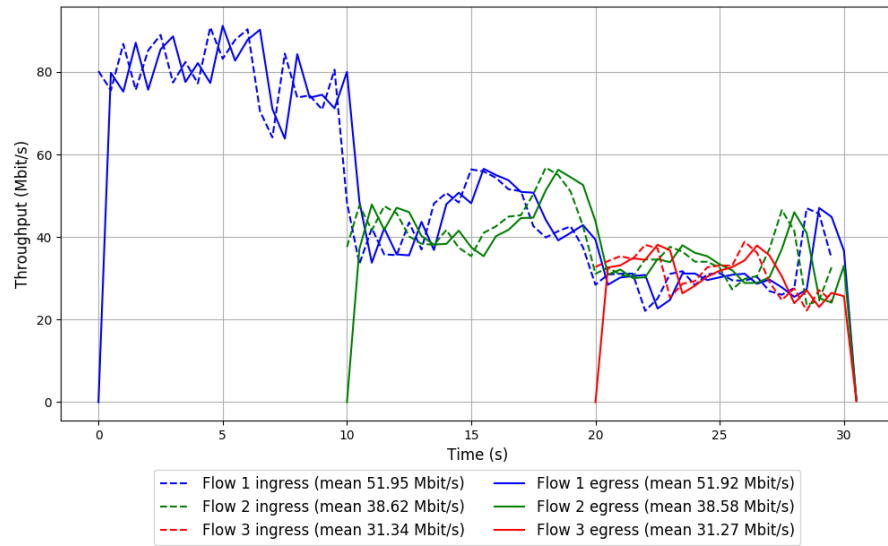
-- Flow 3:

Average throughput: 31.27 Mbit/s

95th percentile per-packet one-way delay: 29.064 ms

Loss rate: 0.07%

Run 3: Report of Copa — Data Link

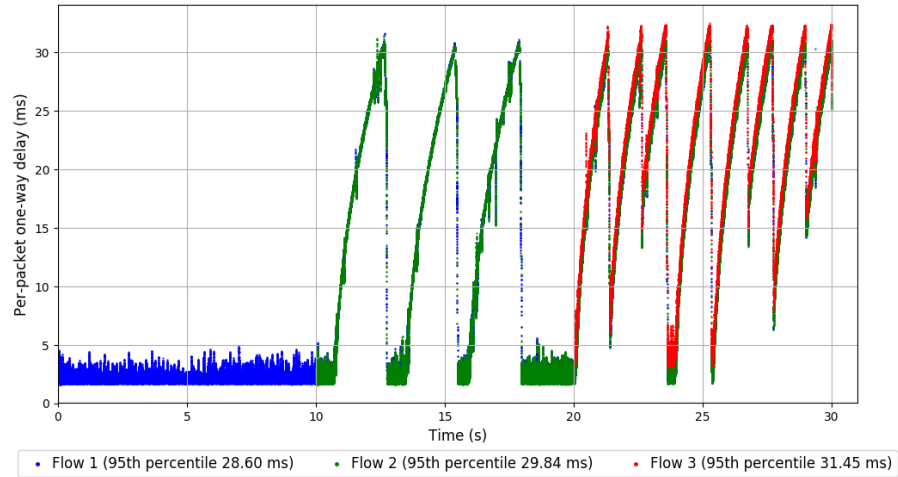
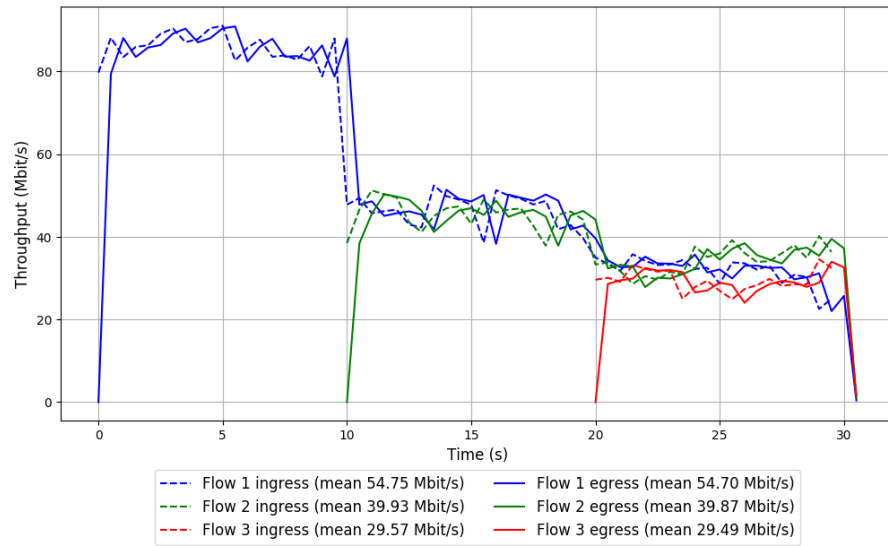


Run 4: Statistics of Copa

Start at: 2018-05-30 16:47:52
End at: 2018-05-30 16:48:22
Local clock offset: -2.549 ms
Remote clock offset: -1.669 ms

Below is generated by plot.py at 2018-05-30 18:56:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.08 Mbit/s
95th percentile per-packet one-way delay: 29.670 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 54.70 Mbit/s
95th percentile per-packet one-way delay: 28.604 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 39.87 Mbit/s
95th percentile per-packet one-way delay: 29.835 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 29.49 Mbit/s
95th percentile per-packet one-way delay: 31.455 ms
Loss rate: 0.03%

Run 4: Report of Copa — Data Link

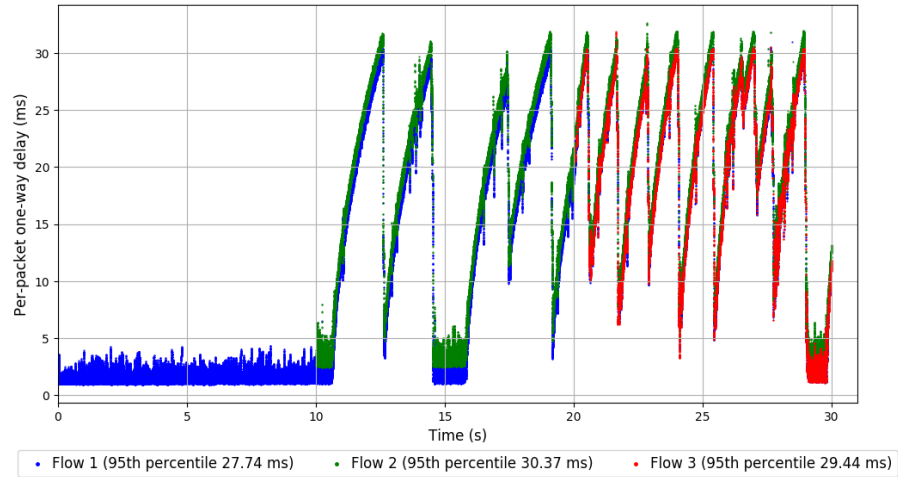
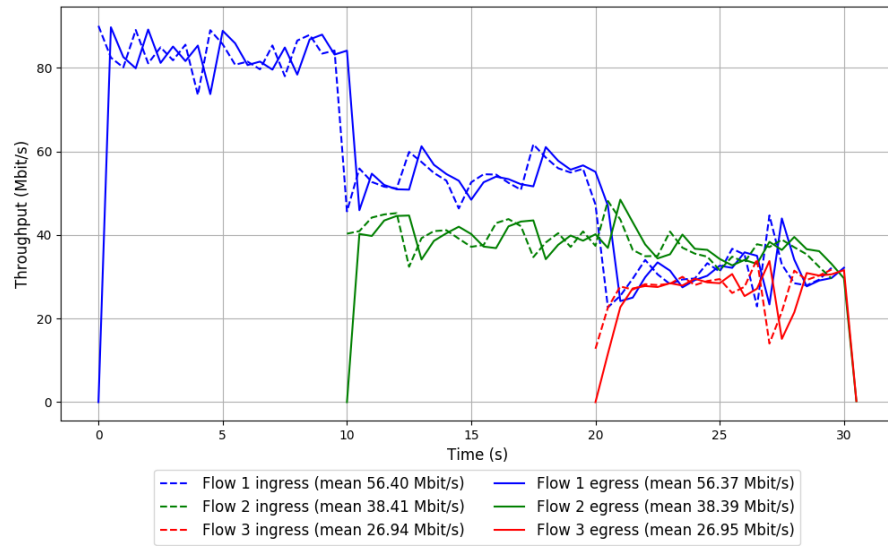


Run 5: Statistics of Copa

Start at: 2018-05-30 17:06:38
End at: 2018-05-30 17:07:08
Local clock offset: -1.72 ms
Remote clock offset: -3.215 ms

```
# Below is generated by plot.py at 2018-05-30 18:56:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.89 Mbit/s
95th percentile per-packet one-way delay: 29.113 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 56.37 Mbit/s
95th percentile per-packet one-way delay: 27.740 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 38.39 Mbit/s
95th percentile per-packet one-way delay: 30.370 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 26.95 Mbit/s
95th percentile per-packet one-way delay: 29.438 ms
Loss rate: 0.06%
```

Run 5: Report of Copa — Data Link

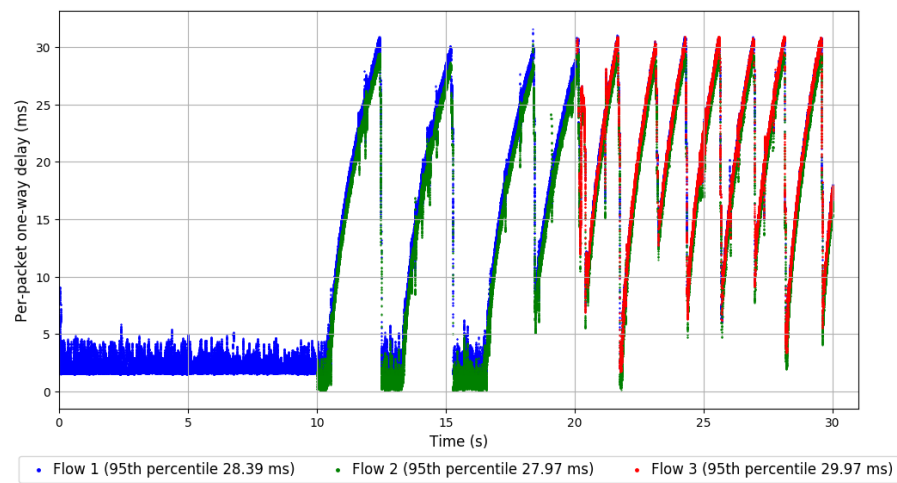
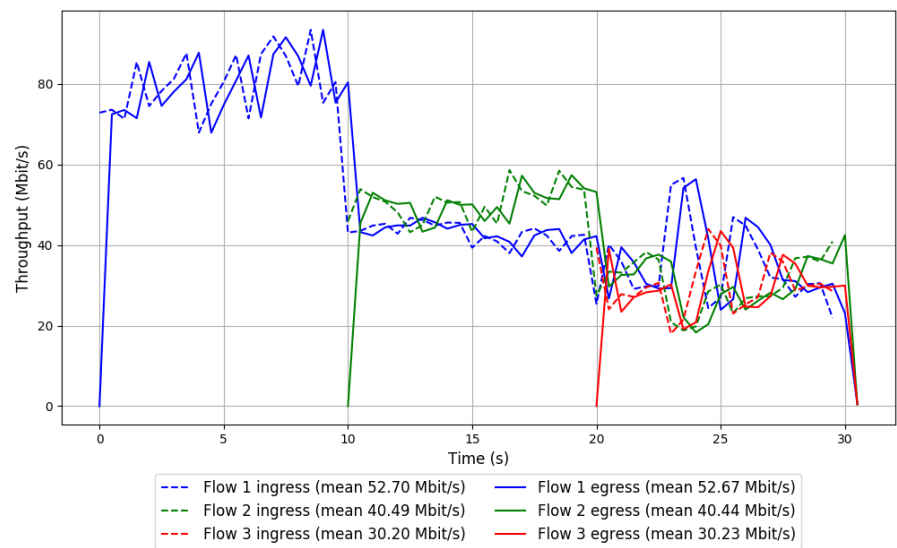


Run 6: Statistics of Copa

Start at: 2018-05-30 17:24:47
End at: 2018-05-30 17:25:17
Local clock offset: -2.123 ms
Remote clock offset: -8.255 ms

```
# Below is generated by plot.py at 2018-05-30 18:56:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.65 Mbit/s
95th percentile per-packet one-way delay: 28.551 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 52.67 Mbit/s
95th percentile per-packet one-way delay: 28.385 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 40.44 Mbit/s
95th percentile per-packet one-way delay: 27.972 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 30.23 Mbit/s
95th percentile per-packet one-way delay: 29.972 ms
Loss rate: 0.02%
```

Run 6: Report of Copa — Data Link

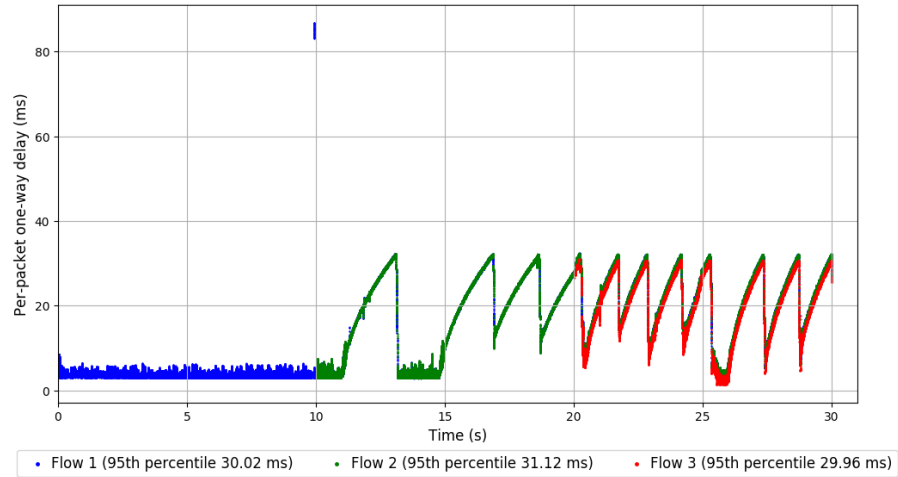
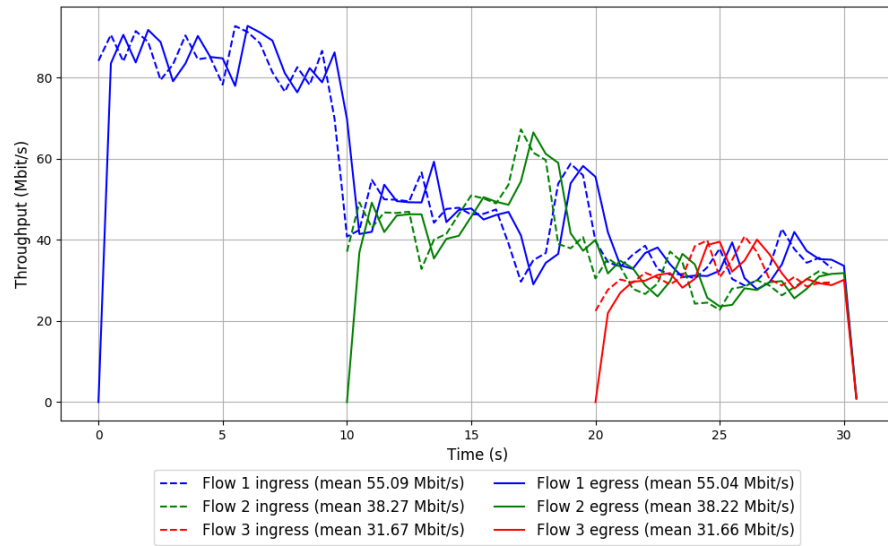


Run 7: Statistics of Copa

Start at: 2018-05-30 17:42:56
End at: 2018-05-30 17:43:26
Local clock offset: -3.898 ms
Remote clock offset: -7.357 ms

Below is generated by plot.py at 2018-05-30 18:57:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.03 Mbit/s
95th percentile per-packet one-way delay: 30.433 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 55.04 Mbit/s
95th percentile per-packet one-way delay: 30.019 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 38.22 Mbit/s
95th percentile per-packet one-way delay: 31.120 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 31.66 Mbit/s
95th percentile per-packet one-way delay: 29.963 ms
Loss rate: 0.06%

Run 7: Report of Copa — Data Link

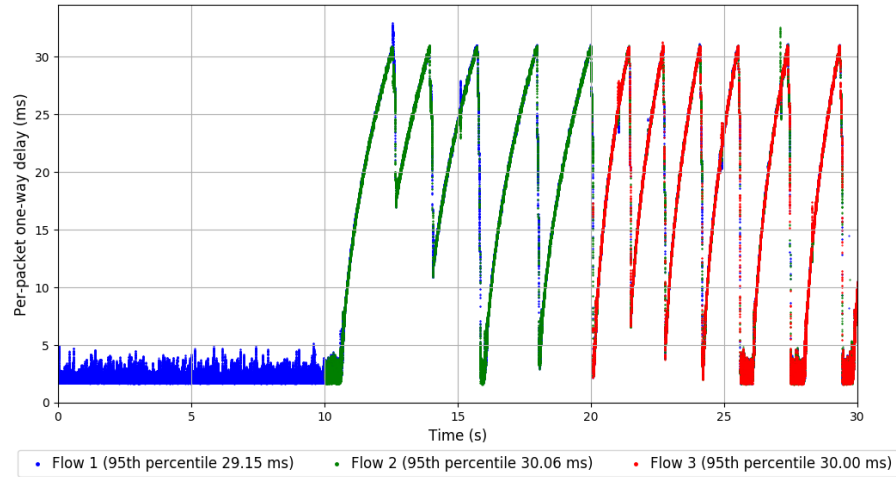
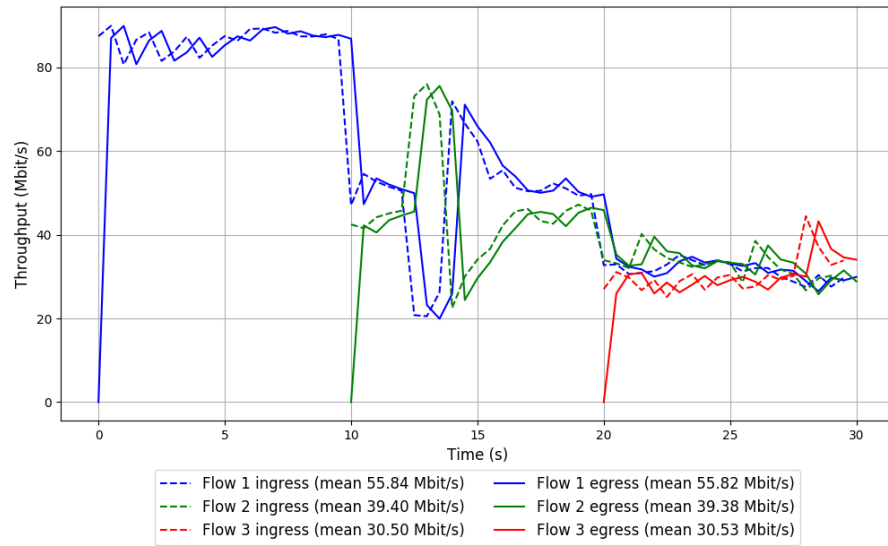


Run 8: Statistics of Copa

Start at: 2018-05-30 18:01:01
End at: 2018-05-30 18:01:31
Local clock offset: -4.093 ms
Remote clock offset: -3.192 ms

Below is generated by plot.py at 2018-05-30 18:57:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.19 Mbit/s
95th percentile per-packet one-way delay: 29.711 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 55.82 Mbit/s
95th percentile per-packet one-way delay: 29.153 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 39.38 Mbit/s
95th percentile per-packet one-way delay: 30.058 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 30.53 Mbit/s
95th percentile per-packet one-way delay: 30.004 ms
Loss rate: 0.04%

Run 8: Report of Copa — Data Link

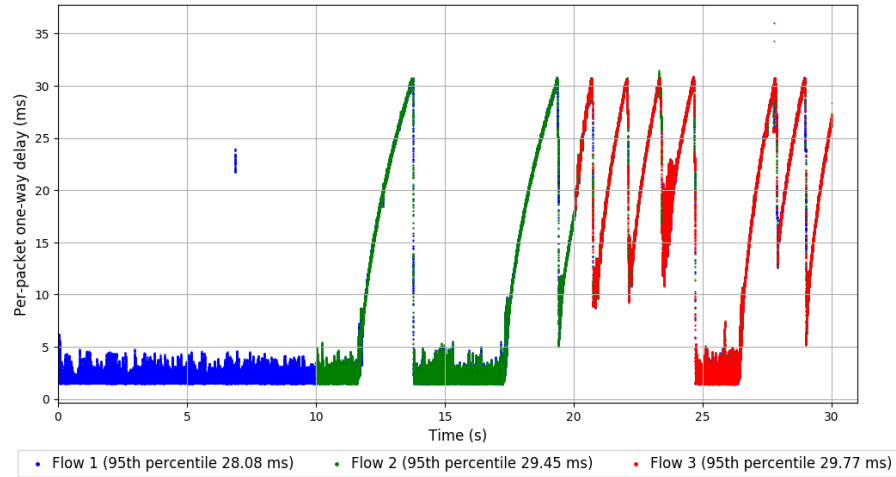
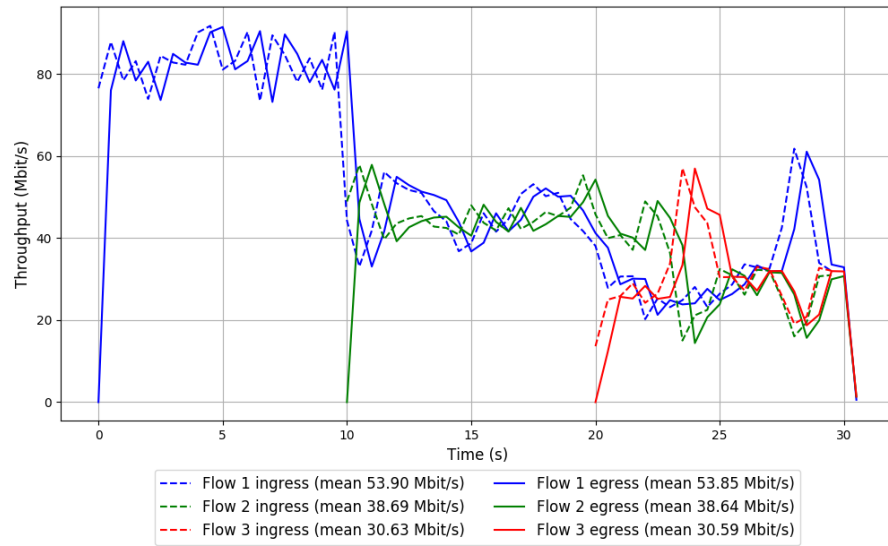


Run 9: Statistics of Copa

Start at: 2018-05-30 18:19:04
End at: 2018-05-30 18:19:34
Local clock offset: -6.188 ms
Remote clock offset: -2.733 ms

```
# Below is generated by plot.py at 2018-05-30 18:58:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.77 Mbit/s
95th percentile per-packet one-way delay: 28.918 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 53.85 Mbit/s
95th percentile per-packet one-way delay: 28.076 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 38.64 Mbit/s
95th percentile per-packet one-way delay: 29.454 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 30.59 Mbit/s
95th percentile per-packet one-way delay: 29.771 ms
Loss rate: 0.04%
```

Run 9: Report of Copa — Data Link

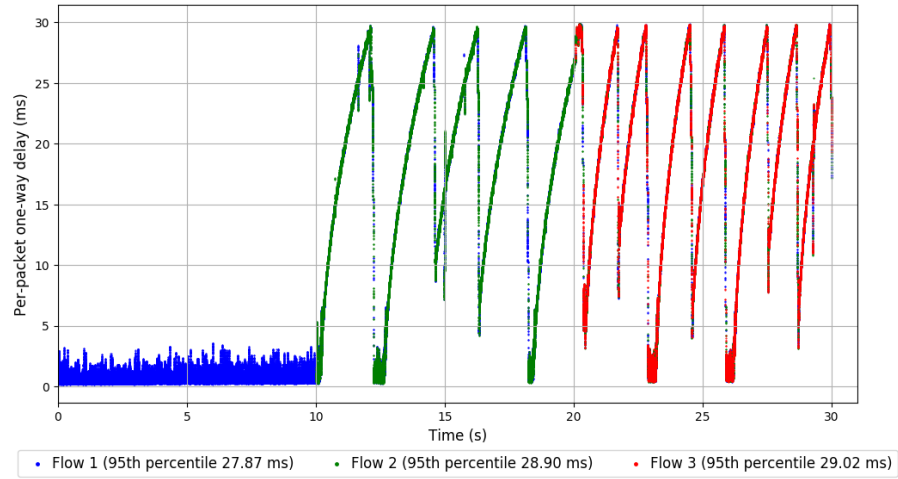
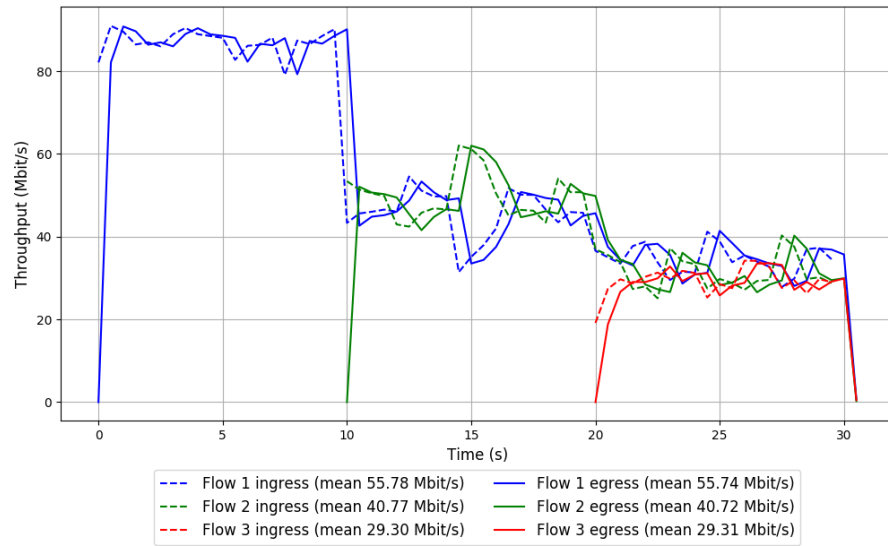


Run 10: Statistics of Copa

Start at: 2018-05-30 18:37:09
End at: 2018-05-30 18:37:39
Local clock offset: -7.389 ms
Remote clock offset: -2.981 ms

Below is generated by plot.py at 2018-05-30 18:58:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.60 Mbit/s
95th percentile per-packet one-way delay: 28.546 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 55.74 Mbit/s
95th percentile per-packet one-way delay: 27.873 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 40.72 Mbit/s
95th percentile per-packet one-way delay: 28.901 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 29.31 Mbit/s
95th percentile per-packet one-way delay: 29.025 ms
Loss rate: 0.05%

Run 10: Report of Copa — Data Link

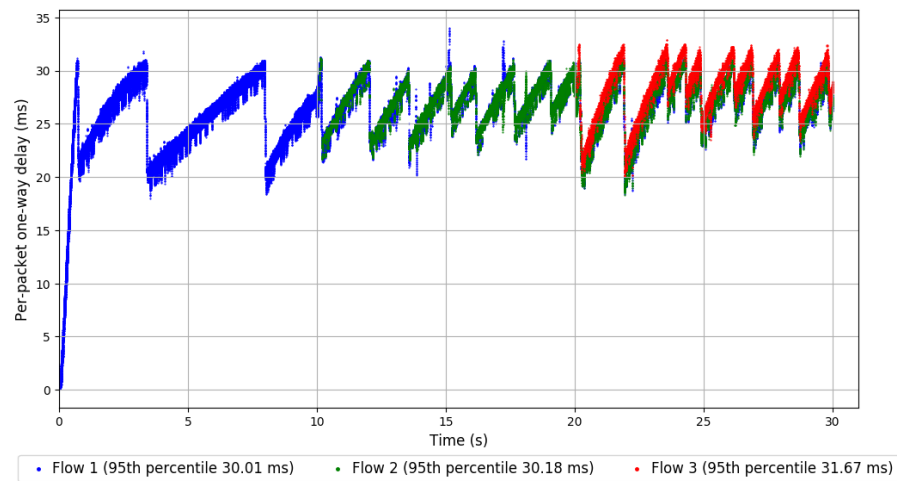
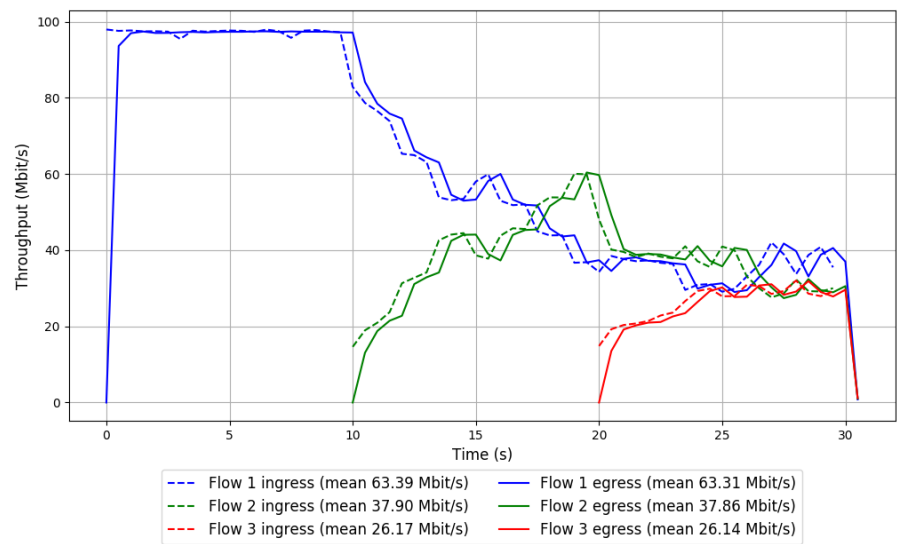


Run 1: Statistics of TCP Cubic

Start at: 2018-05-30 15:51:42
End at: 2018-05-30 15:52:12
Local clock offset: -0.413 ms
Remote clock offset: -1.388 ms

Below is generated by plot.py at 2018-05-30 18:58:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.19 Mbit/s
95th percentile per-packet one-way delay: 30.249 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 63.31 Mbit/s
95th percentile per-packet one-way delay: 30.008 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 37.86 Mbit/s
95th percentile per-packet one-way delay: 30.177 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 26.14 Mbit/s
95th percentile per-packet one-way delay: 31.669 ms
Loss rate: 0.08%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-05-30 16:09:46

End at: 2018-05-30 16:10:16

Local clock offset: -0.458 ms

Remote clock offset: 0.978 ms

Below is generated by plot.py at 2018-05-30 18:58:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.39 Mbit/s

95th percentile per-packet one-way delay: 31.001 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 61.52 Mbit/s

95th percentile per-packet one-way delay: 31.308 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 40.96 Mbit/s

95th percentile per-packet one-way delay: 30.078 ms

Loss rate: 0.06%

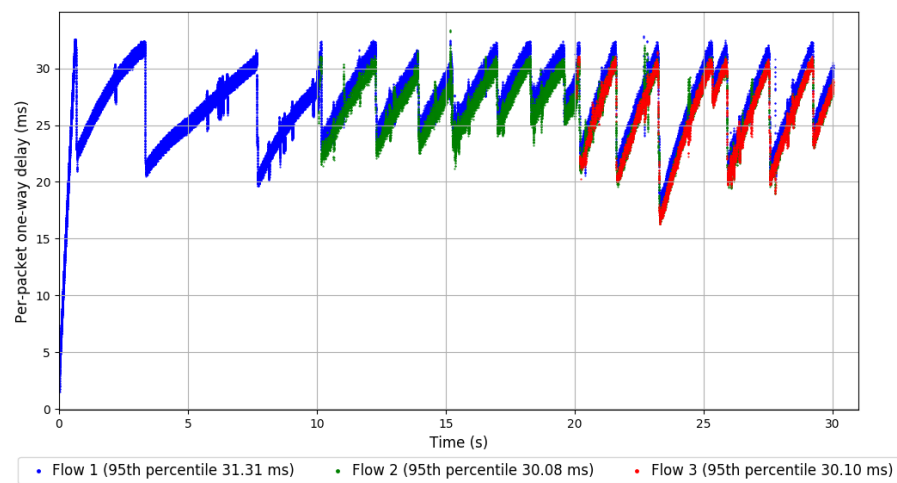
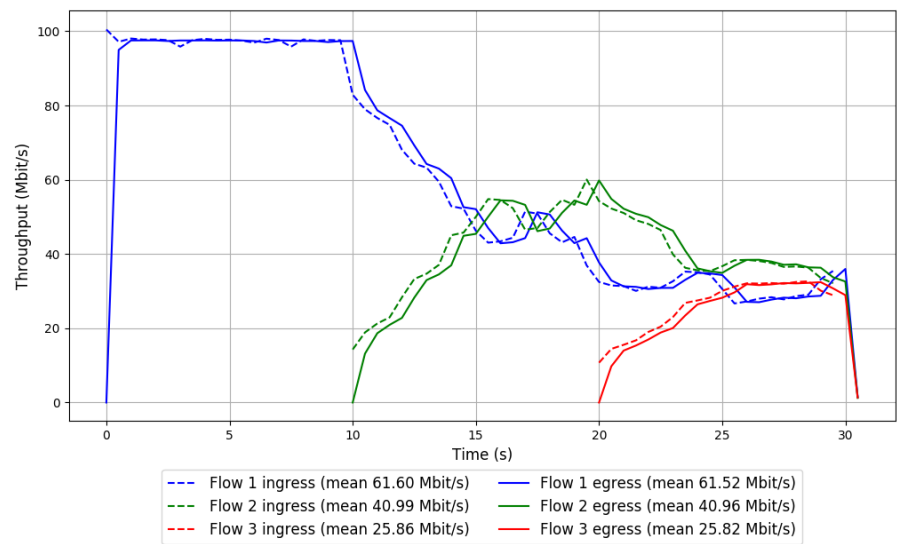
-- Flow 3:

Average throughput: 25.82 Mbit/s

95th percentile per-packet one-way delay: 30.096 ms

Loss rate: 0.16%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-05-30 16:27:50

End at: 2018-05-30 16:28:20

Local clock offset: -1.683 ms

Remote clock offset: 2.344 ms

Below is generated by plot.py at 2018-05-30 18:58:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.41 Mbit/s

95th percentile per-packet one-way delay: 31.680 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 60.84 Mbit/s

95th percentile per-packet one-way delay: 30.418 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 34.78 Mbit/s

95th percentile per-packet one-way delay: 32.278 ms

Loss rate: 0.05%

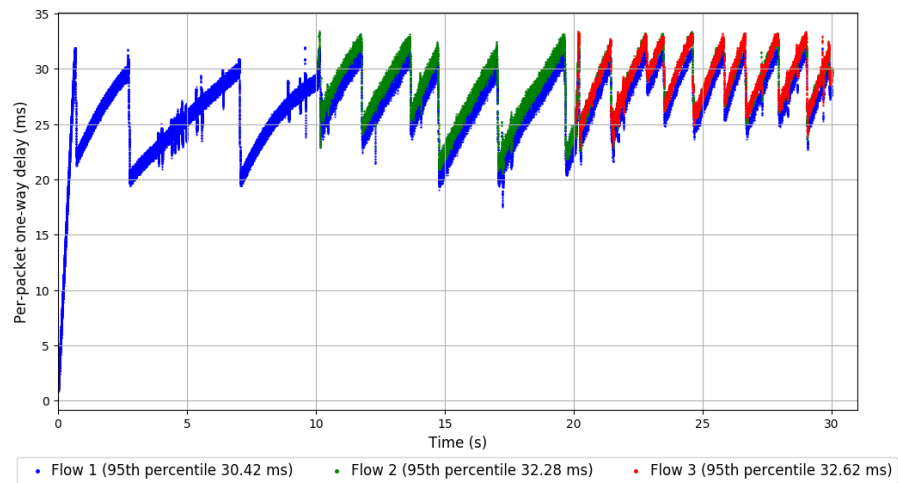
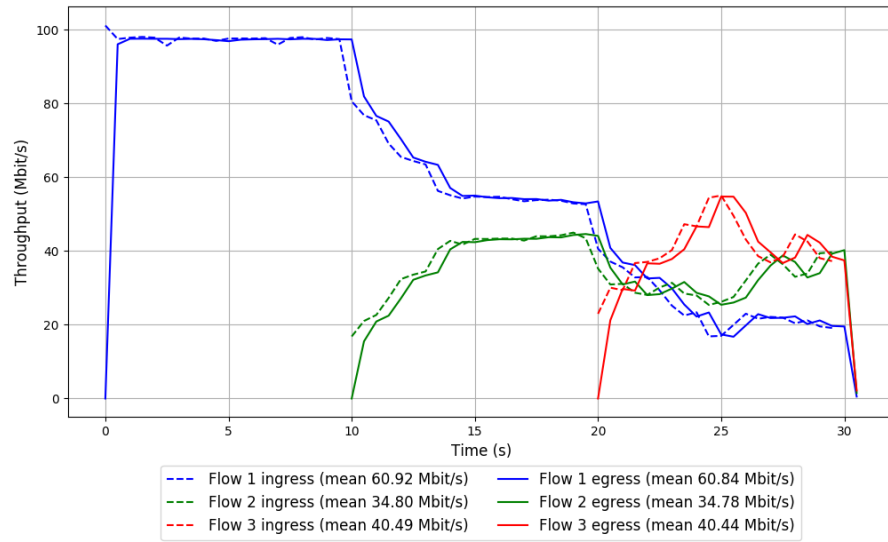
-- Flow 3:

Average throughput: 40.44 Mbit/s

95th percentile per-packet one-way delay: 32.617 ms

Loss rate: 0.06%

Run 3: Report of TCP Cubic — Data Link

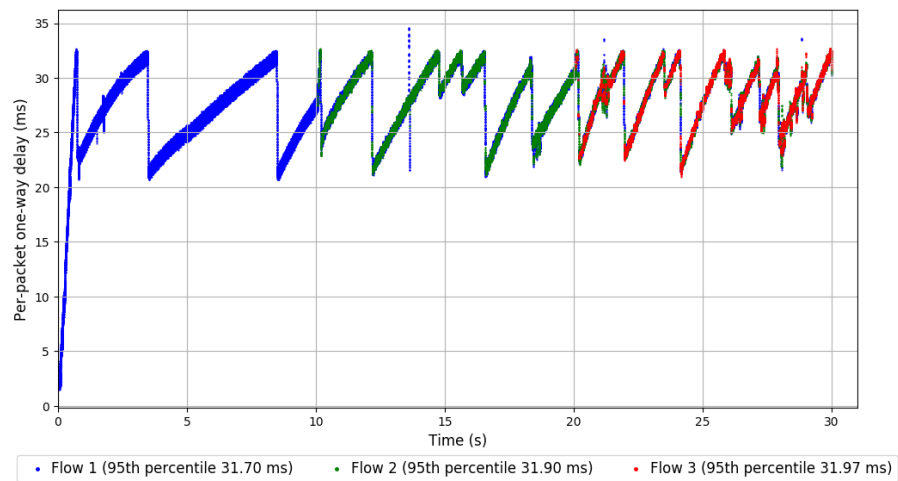
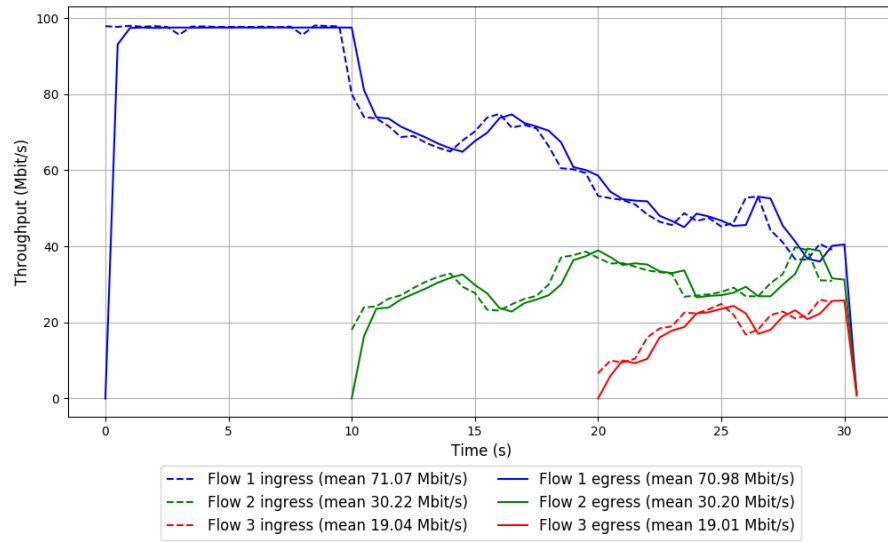


Run 4: Statistics of TCP Cubic

Start at: 2018-05-30 16:46:44
End at: 2018-05-30 16:47:14
Local clock offset: -0.966 ms
Remote clock offset: -1.578 ms

Below is generated by plot.py at 2018-05-30 18:58:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 31.738 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 70.98 Mbit/s
95th percentile per-packet one-way delay: 31.705 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 30.20 Mbit/s
95th percentile per-packet one-way delay: 31.903 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 19.01 Mbit/s
95th percentile per-packet one-way delay: 31.967 ms
Loss rate: 0.12%

Run 4: Report of TCP Cubic — Data Link

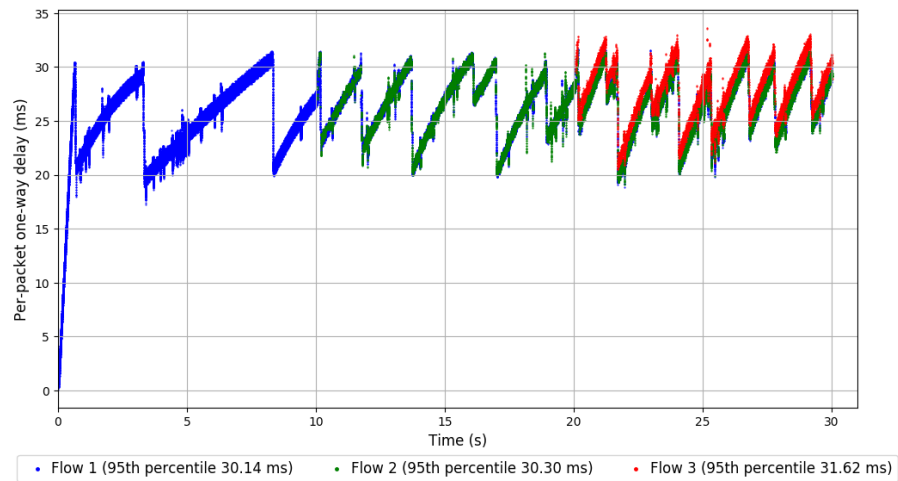
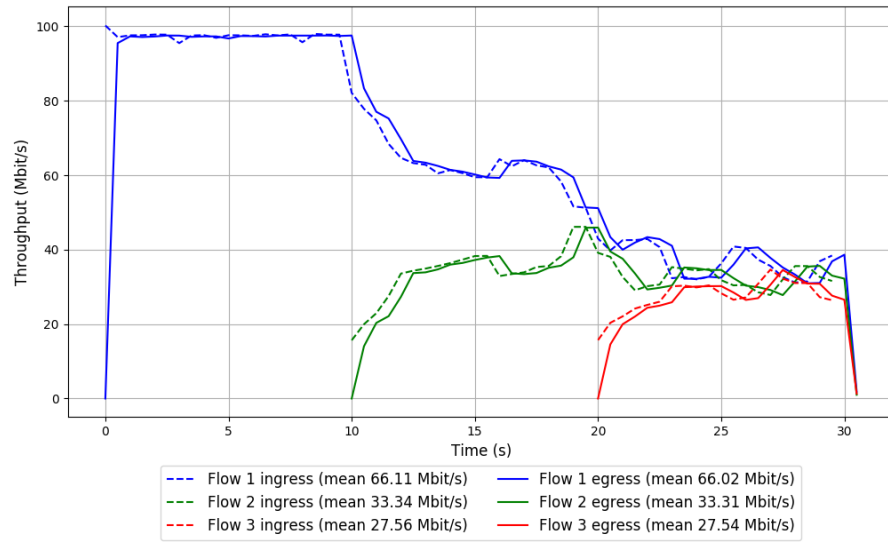


Run 5: Statistics of TCP Cubic

Start at: 2018-05-30 17:05:30
End at: 2018-05-30 17:06:00
Local clock offset: -0.916 ms
Remote clock offset: -2.652 ms

Below is generated by plot.py at 2018-05-30 18:58:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 30.345 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 66.02 Mbit/s
95th percentile per-packet one-way delay: 30.142 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 33.31 Mbit/s
95th percentile per-packet one-way delay: 30.296 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 27.54 Mbit/s
95th percentile per-packet one-way delay: 31.621 ms
Loss rate: 0.09%

Run 5: Report of TCP Cubic — Data Link

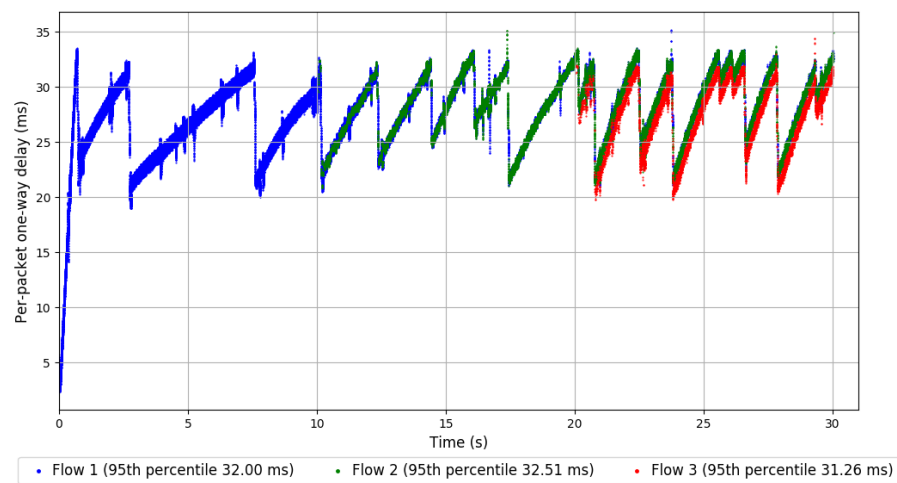
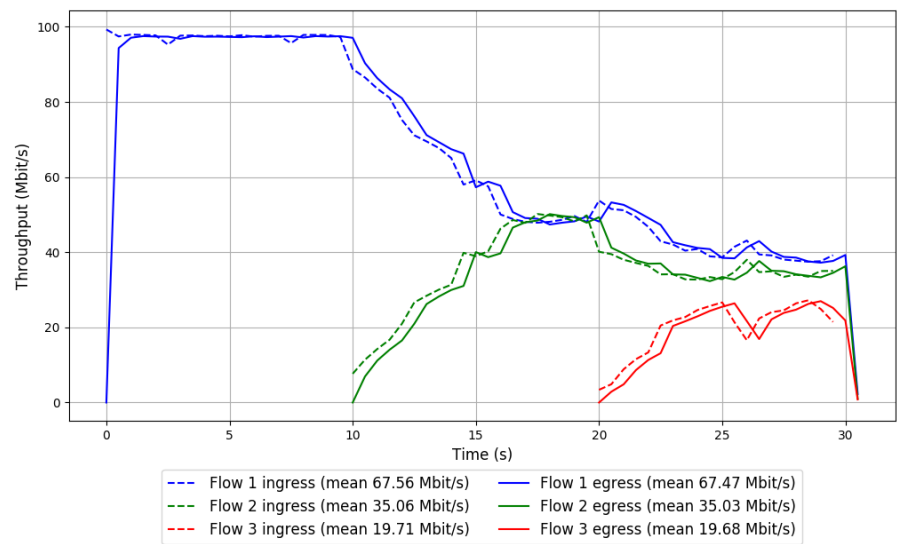


Run 6: Statistics of TCP Cubic

Start at: 2018-05-30 17:23:40
End at: 2018-05-30 17:24:10
Local clock offset: -2.864 ms
Remote clock offset: -8.054 ms

Below is generated by plot.py at 2018-05-30 18:58:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.32 Mbit/s
95th percentile per-packet one-way delay: 32.075 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 67.47 Mbit/s
95th percentile per-packet one-way delay: 32.001 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 35.03 Mbit/s
95th percentile per-packet one-way delay: 32.512 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 19.68 Mbit/s
95th percentile per-packet one-way delay: 31.258 ms
Loss rate: 0.13%

Run 6: Report of TCP Cubic — Data Link

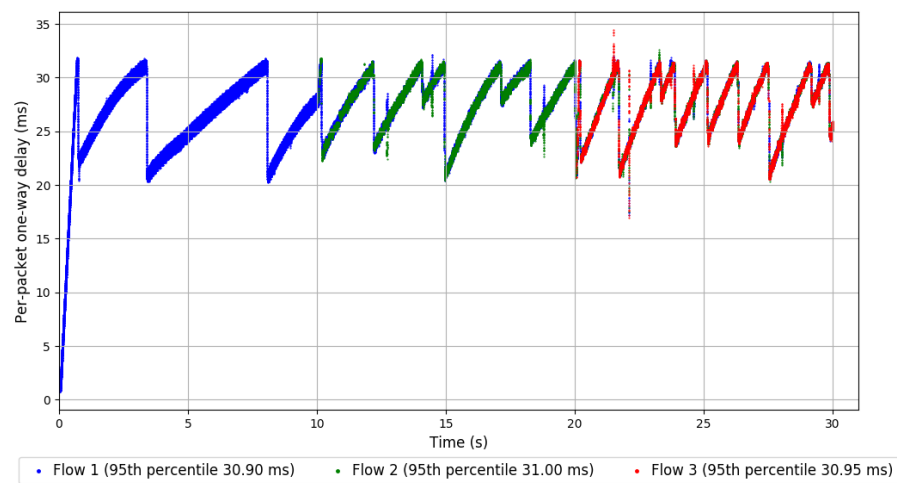
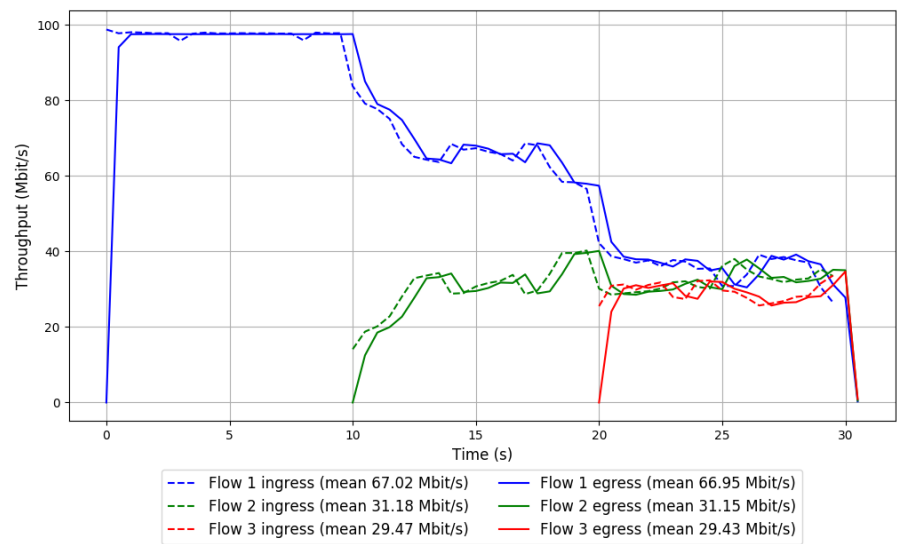


Run 7: Statistics of TCP Cubic

Start at: 2018-05-30 17:41:49
End at: 2018-05-30 17:42:19
Local clock offset: -3.116 ms
Remote clock offset: -8.119 ms

Below is generated by plot.py at 2018-05-30 18:58:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 30.926 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 66.95 Mbit/s
95th percentile per-packet one-way delay: 30.898 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 31.15 Mbit/s
95th percentile per-packet one-way delay: 30.995 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 29.43 Mbit/s
95th percentile per-packet one-way delay: 30.950 ms
Loss rate: 0.09%

Run 7: Report of TCP Cubic — Data Link

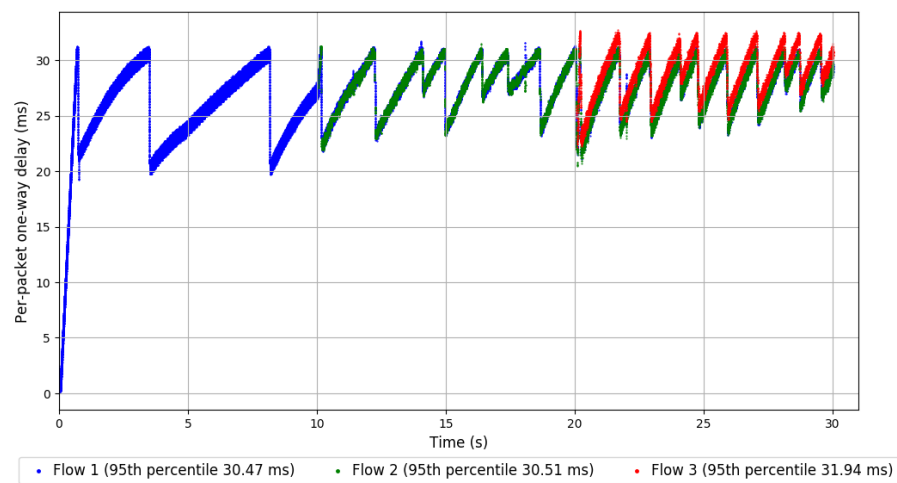
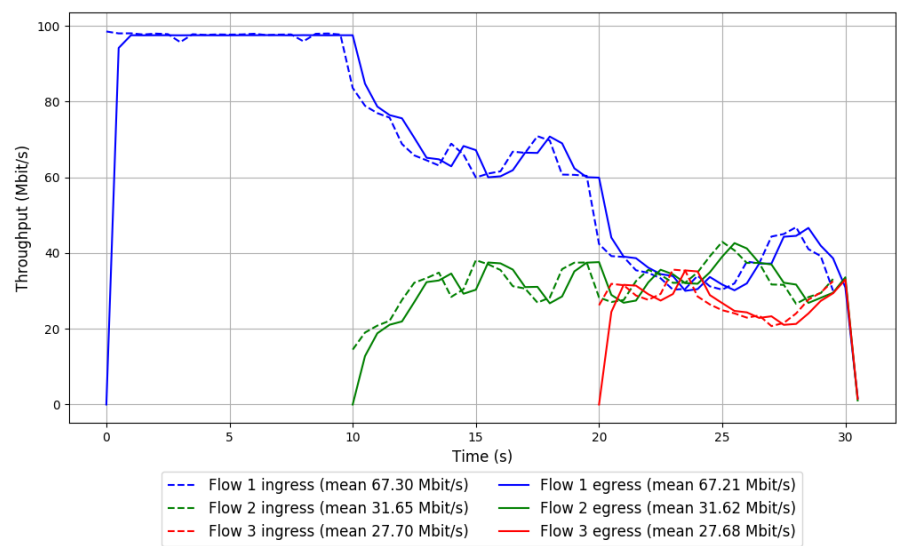


Run 8: Statistics of TCP Cubic

Start at: 2018-05-30 17:59:53
End at: 2018-05-30 18:00:23
Local clock offset: -2.546 ms
Remote clock offset: -3.245 ms

Below is generated by plot.py at 2018-05-30 18:58:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 30.702 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 67.21 Mbit/s
95th percentile per-packet one-way delay: 30.473 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 31.62 Mbit/s
95th percentile per-packet one-way delay: 30.513 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 27.68 Mbit/s
95th percentile per-packet one-way delay: 31.937 ms
Loss rate: 0.07%

Run 8: Report of TCP Cubic — Data Link

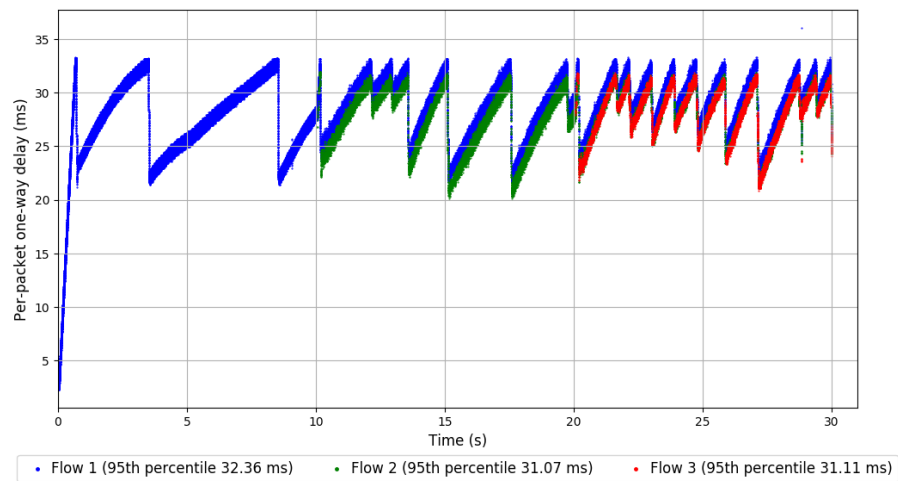
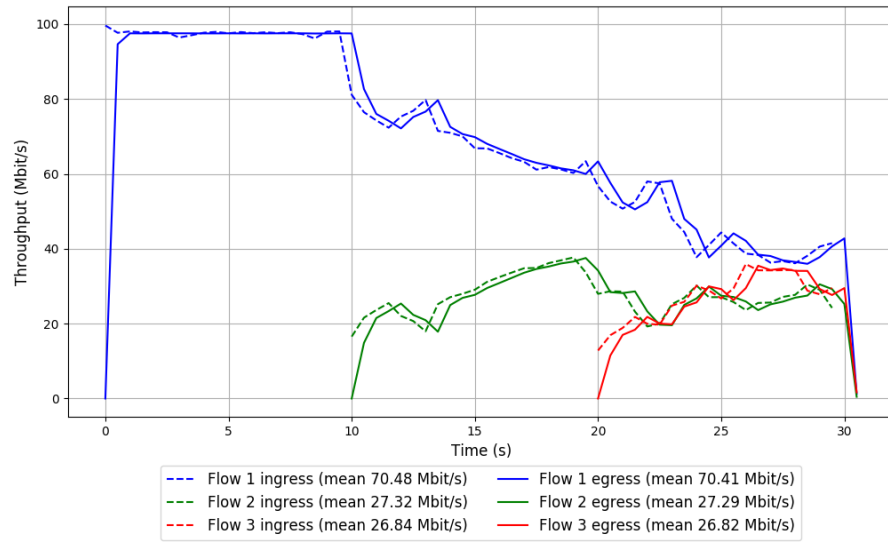


Run 9: Statistics of TCP Cubic

Start at: 2018-05-30 18:17:56
End at: 2018-05-30 18:18:27
Local clock offset: -6.824 ms
Remote clock offset: -2.783 ms

Below is generated by plot.py at 2018-05-30 18:58:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.163 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 70.41 Mbit/s
95th percentile per-packet one-way delay: 32.364 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 27.29 Mbit/s
95th percentile per-packet one-way delay: 31.071 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 26.82 Mbit/s
95th percentile per-packet one-way delay: 31.106 ms
Loss rate: 0.10%

Run 9: Report of TCP Cubic — Data Link

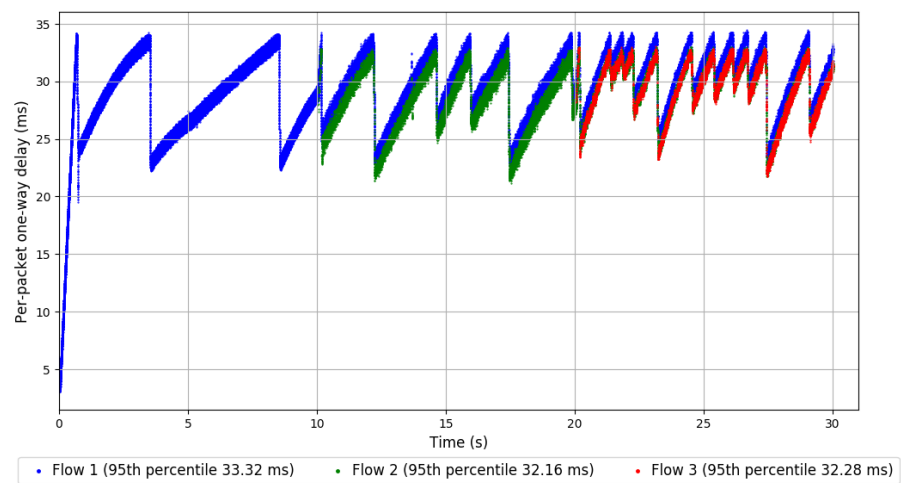
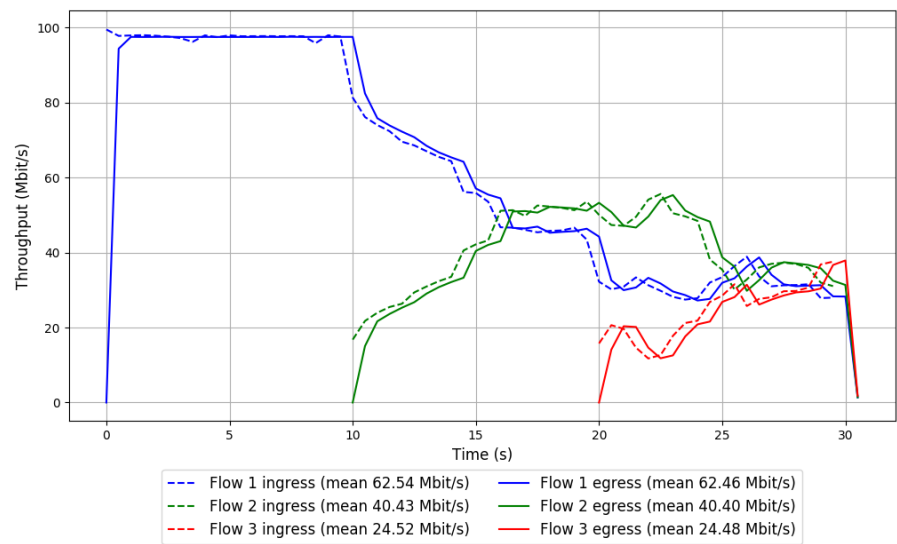


Run 10: Statistics of TCP Cubic

Start at: 2018-05-30 18:36:01
End at: 2018-05-30 18:36:31
Local clock offset: -9.482 ms
Remote clock offset: -2.925 ms

Below is generated by plot.py at 2018-05-30 18:58:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 33.085 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 62.46 Mbit/s
95th percentile per-packet one-way delay: 33.321 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 40.40 Mbit/s
95th percentile per-packet one-way delay: 32.163 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 24.48 Mbit/s
95th percentile per-packet one-way delay: 32.278 ms
Loss rate: 0.16%

Run 10: Report of TCP Cubic — Data Link

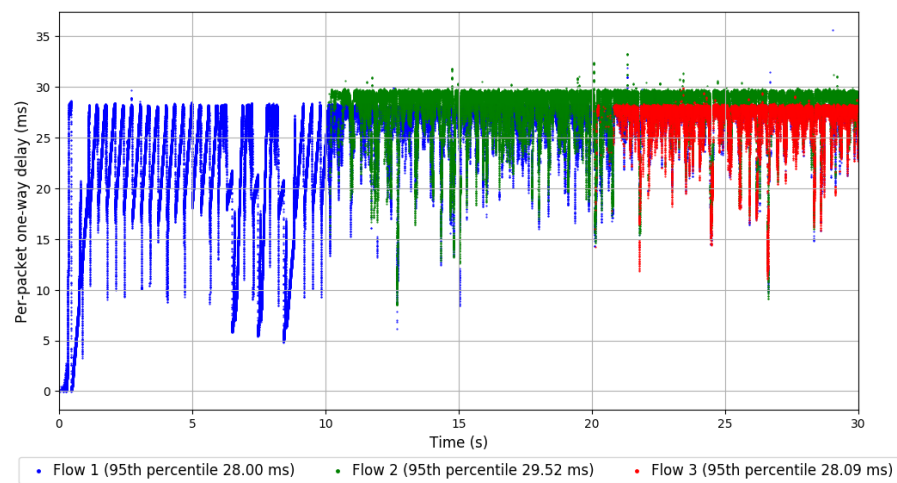
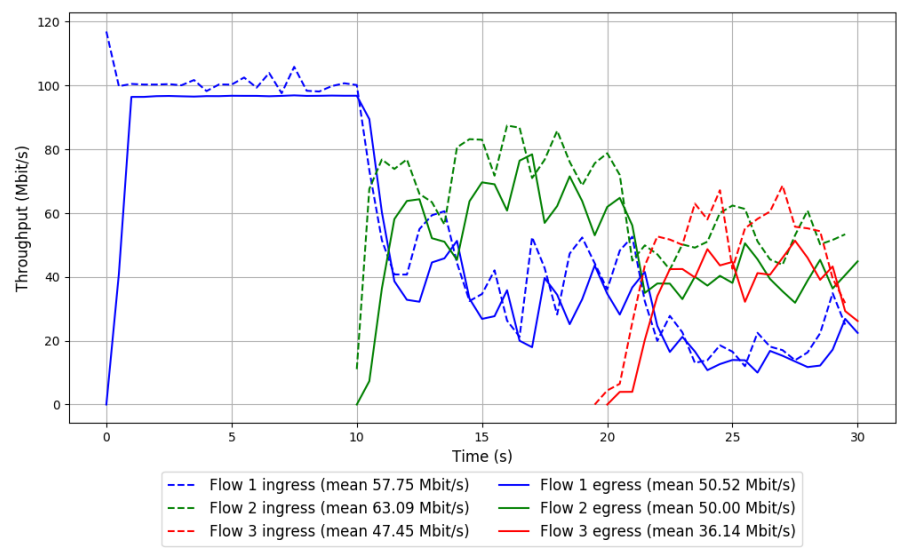


Run 1: Statistics of FillP

Start at: 2018-05-30 15:54:00
End at: 2018-05-30 15:54:30
Local clock offset: -0.394 ms
Remote clock offset: -1.276 ms

Below is generated by plot.py at 2018-05-30 18:59:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.79 Mbit/s
95th percentile per-packet one-way delay: 29.368 ms
Loss rate: 17.02%
-- Flow 1:
Average throughput: 50.52 Mbit/s
95th percentile per-packet one-way delay: 28.004 ms
Loss rate: 12.45%
-- Flow 2:
Average throughput: 50.00 Mbit/s
95th percentile per-packet one-way delay: 29.525 ms
Loss rate: 20.73%
-- Flow 3:
Average throughput: 36.14 Mbit/s
95th percentile per-packet one-way delay: 28.085 ms
Loss rate: 23.86%

Run 1: Report of FillP — Data Link

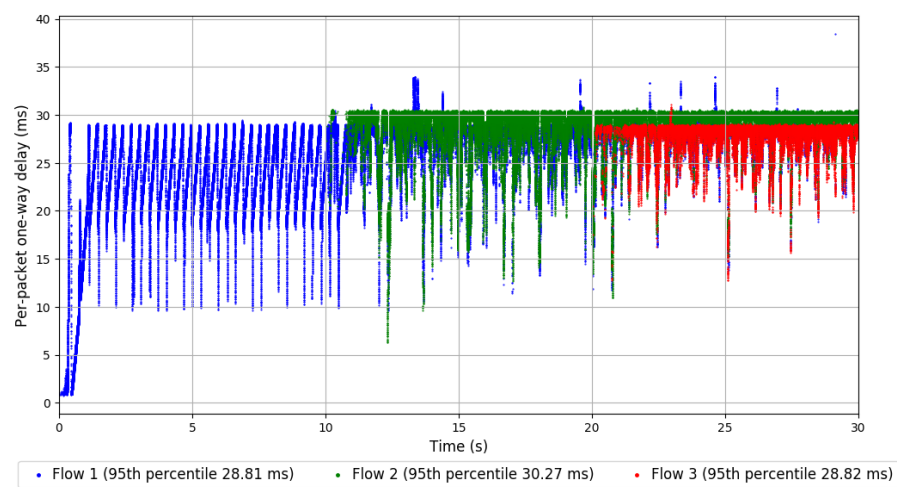
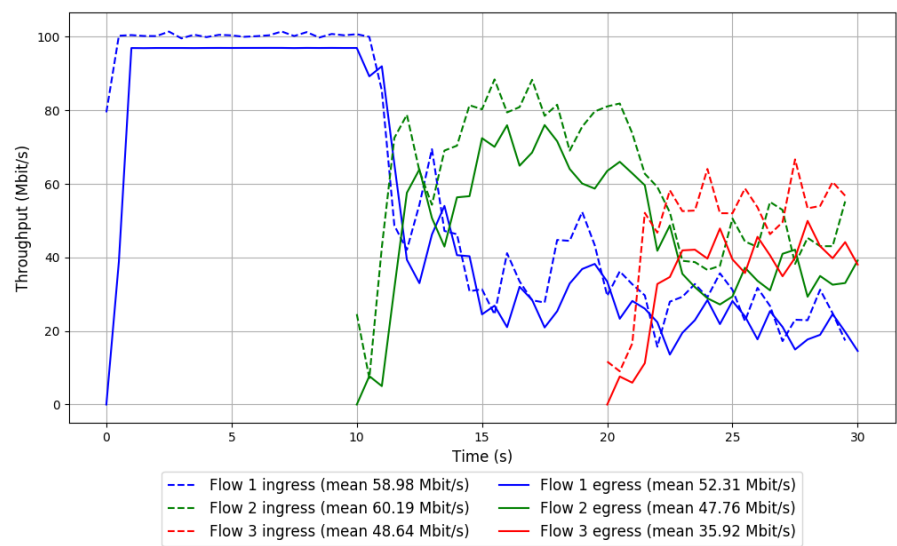


Run 2: Statistics of FillP

Start at: 2018-05-30 16:12:04
End at: 2018-05-30 16:12:34
Local clock offset: -1.41 ms
Remote clock offset: 1.244 ms

Below is generated by plot.py at 2018-05-30 19:00:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.99 Mbit/s
95th percentile per-packet one-way delay: 30.132 ms
Loss rate: 16.59%
-- Flow 1:
Average throughput: 52.31 Mbit/s
95th percentile per-packet one-way delay: 28.813 ms
Loss rate: 11.24%
-- Flow 2:
Average throughput: 47.76 Mbit/s
95th percentile per-packet one-way delay: 30.275 ms
Loss rate: 20.64%
-- Flow 3:
Average throughput: 35.92 Mbit/s
95th percentile per-packet one-way delay: 28.817 ms
Loss rate: 26.09%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-05-30 16:30:08

End at: 2018-05-30 16:30:38

Local clock offset: -2.484 ms

Remote clock offset: 2.48 ms

Below is generated by plot.py at 2018-05-30 19:00:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.93 Mbit/s

95th percentile per-packet one-way delay: 31.015 ms

Loss rate: 18.18%

-- Flow 1:

Average throughput: 50.44 Mbit/s

95th percentile per-packet one-way delay: 29.602 ms

Loss rate: 13.12%

-- Flow 2:

Average throughput: 48.71 Mbit/s

95th percentile per-packet one-way delay: 31.093 ms

Loss rate: 22.28%

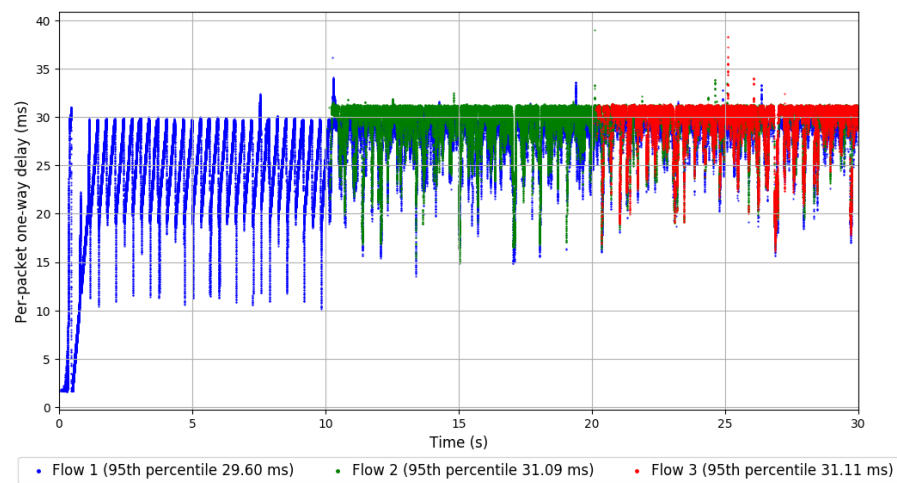
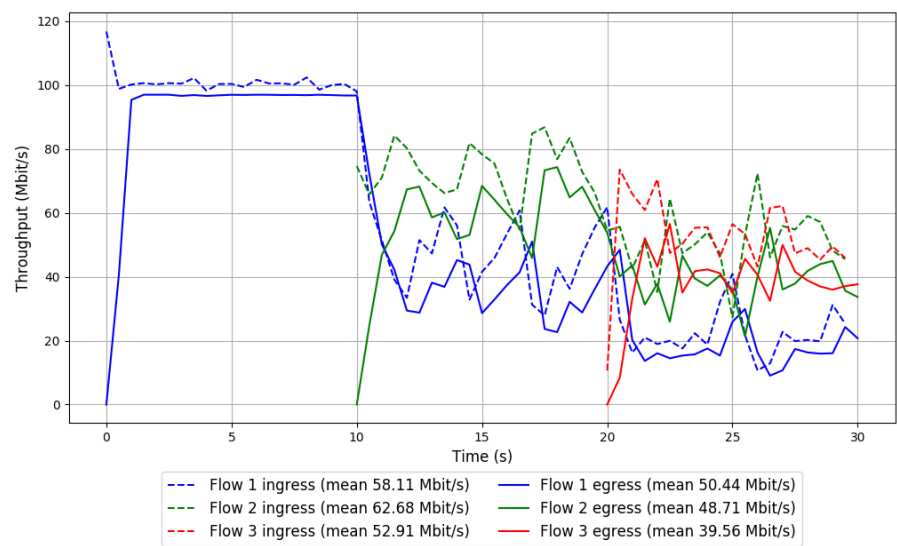
-- Flow 3:

Average throughput: 39.56 Mbit/s

95th percentile per-packet one-way delay: 31.106 ms

Loss rate: 25.22%

Run 3: Report of FillP — Data Link

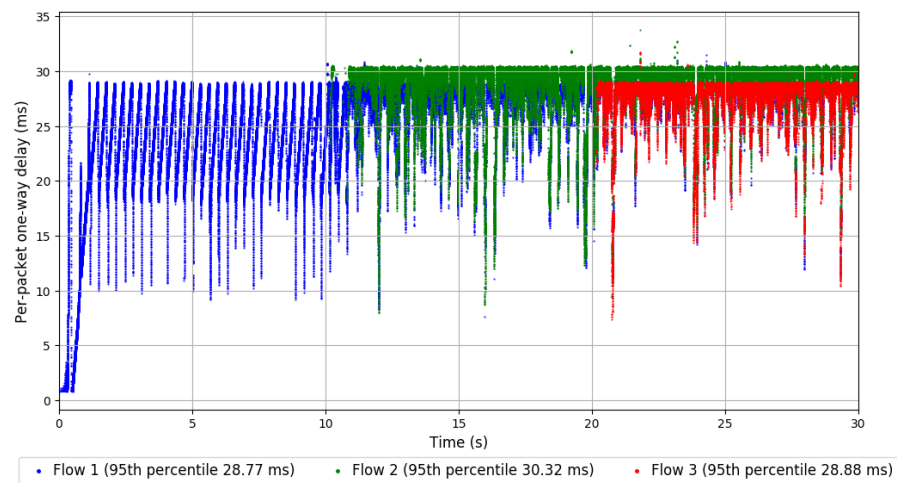
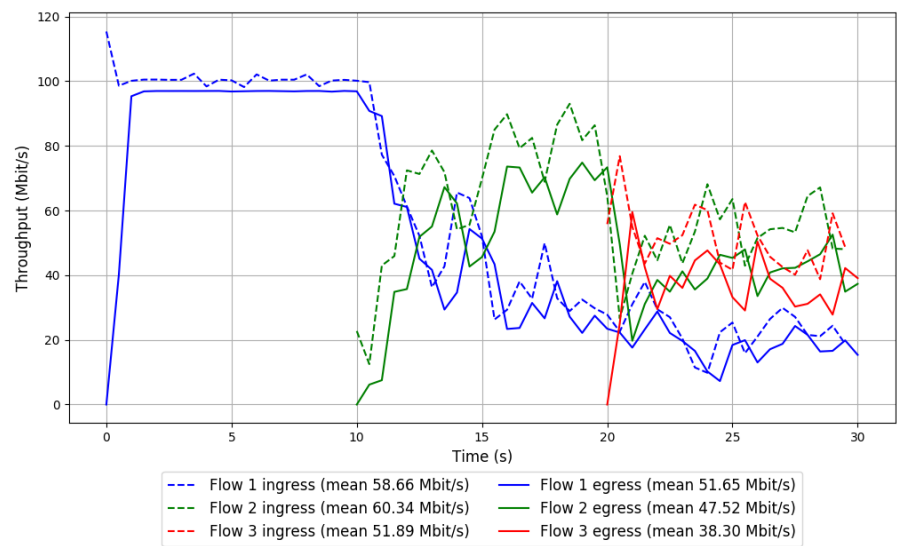


Run 4: Statistics of FillP

Start at: 2018-05-30 16:49:07
End at: 2018-05-30 16:49:37
Local clock offset: -1.729 ms
Remote clock offset: -1.779 ms

Below is generated by plot.py at 2018-05-30 19:00:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.94 Mbit/s
95th percentile per-packet one-way delay: 30.156 ms
Loss rate: 17.24%
-- Flow 1:
Average throughput: 51.65 Mbit/s
95th percentile per-packet one-way delay: 28.769 ms
Loss rate: 11.88%
-- Flow 2:
Average throughput: 47.52 Mbit/s
95th percentile per-packet one-way delay: 30.317 ms
Loss rate: 21.23%
-- Flow 3:
Average throughput: 38.30 Mbit/s
95th percentile per-packet one-way delay: 28.877 ms
Loss rate: 26.17%

Run 4: Report of FillP — Data Link

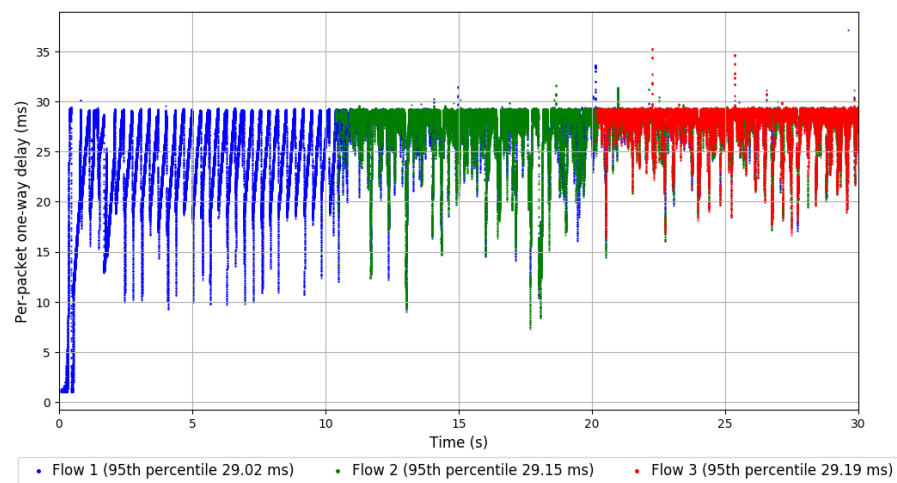
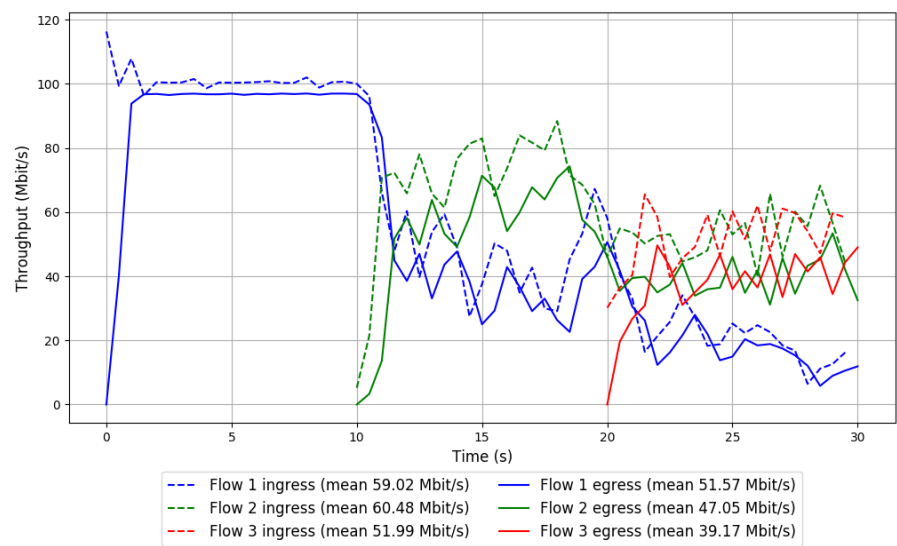


Run 5: Statistics of FillP

Start at: 2018-05-30 17:07:49
End at: 2018-05-30 17:08:19
Local clock offset: -1.894 ms
Remote clock offset: -3.765 ms

Below is generated by plot.py at 2018-05-30 19:00:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.84 Mbit/s
95th percentile per-packet one-way delay: 29.119 ms
Loss rate: 17.67%
-- Flow 1:
Average throughput: 51.57 Mbit/s
95th percentile per-packet one-way delay: 29.020 ms
Loss rate: 12.54%
-- Flow 2:
Average throughput: 47.05 Mbit/s
95th percentile per-packet one-way delay: 29.150 ms
Loss rate: 22.20%
-- Flow 3:
Average throughput: 39.17 Mbit/s
95th percentile per-packet one-way delay: 29.186 ms
Loss rate: 24.67%

Run 5: Report of FillP — Data Link

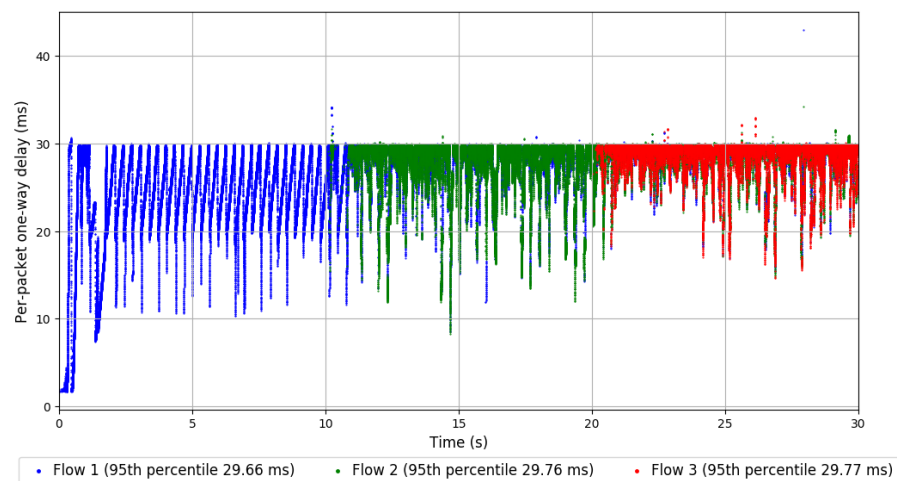
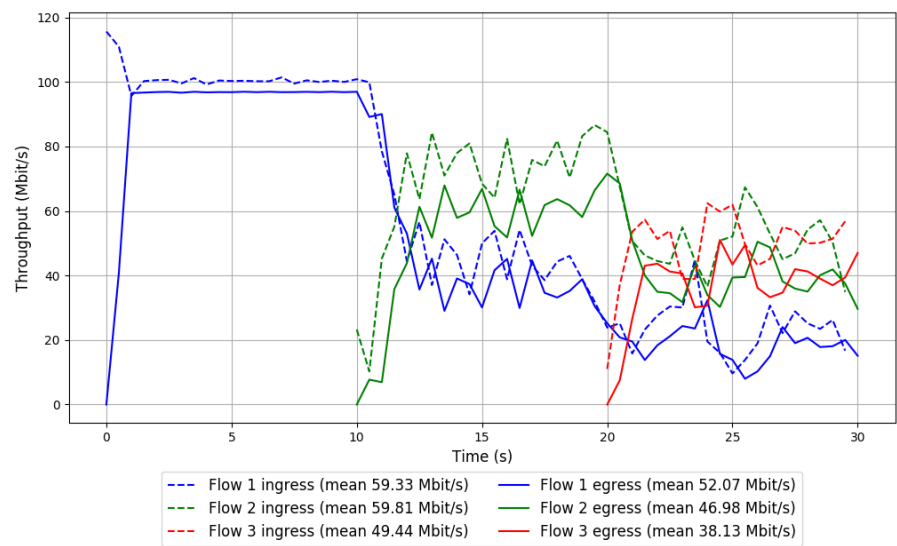


Run 6: Statistics of FillP

Start at: 2018-05-30 17:25:58
End at: 2018-05-30 17:26:28
Local clock offset: -3.742 ms
Remote clock offset: -8.426 ms

Below is generated by plot.py at 2018-05-30 19:00:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.94 Mbit/s
95th percentile per-packet one-way delay: 29.729 ms
Loss rate: 16.87%
-- Flow 1:
Average throughput: 52.07 Mbit/s
95th percentile per-packet one-way delay: 29.658 ms
Loss rate: 12.15%
-- Flow 2:
Average throughput: 46.98 Mbit/s
95th percentile per-packet one-way delay: 29.761 ms
Loss rate: 21.44%
-- Flow 3:
Average throughput: 38.13 Mbit/s
95th percentile per-packet one-way delay: 29.770 ms
Loss rate: 22.85%

Run 6: Report of FillP — Data Link

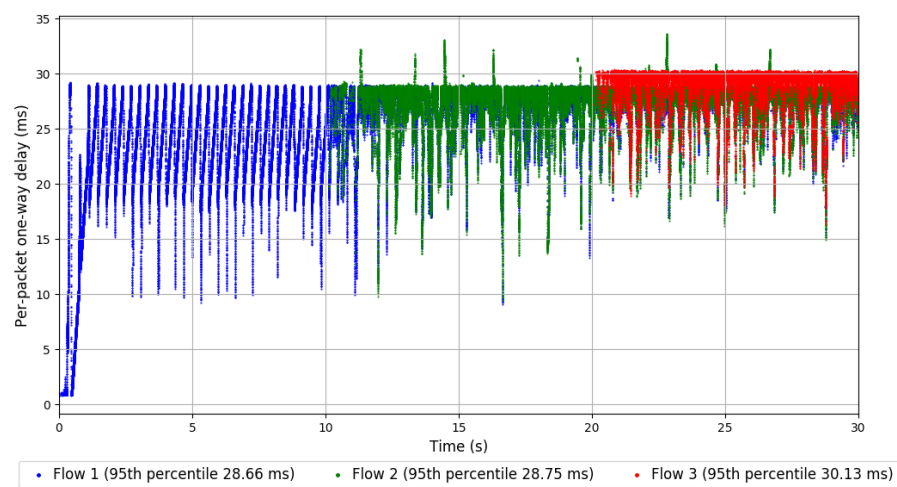
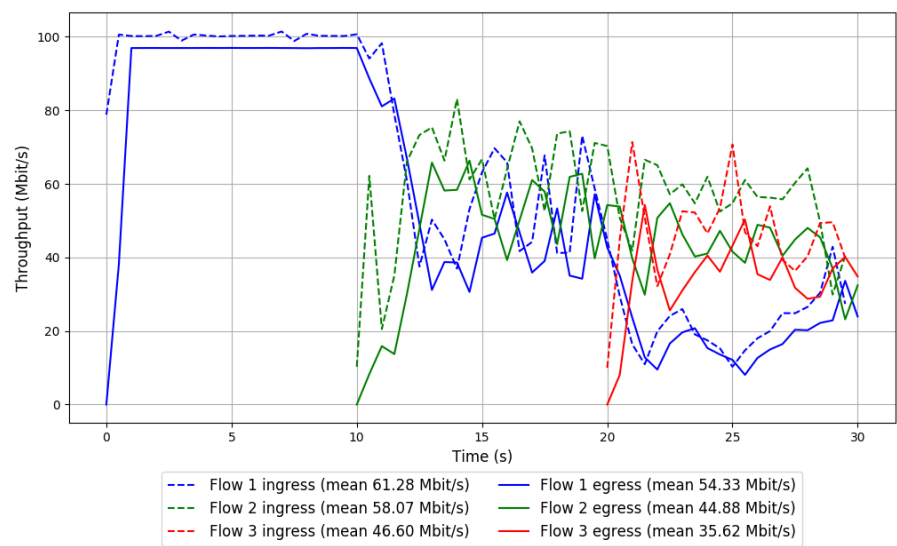


Run 7: Statistics of FillP

Start at: 2018-05-30 17:44:07
End at: 2018-05-30 17:44:37
Local clock offset: -3.205 ms
Remote clock offset: -6.819 ms

Below is generated by plot.py at 2018-05-30 19:00:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 29.709 ms
Loss rate: 16.74%
-- Flow 1:
Average throughput: 54.33 Mbit/s
95th percentile per-packet one-way delay: 28.657 ms
Loss rate: 11.26%
-- Flow 2:
Average throughput: 44.88 Mbit/s
95th percentile per-packet one-way delay: 28.751 ms
Loss rate: 22.71%
-- Flow 3:
Average throughput: 35.62 Mbit/s
95th percentile per-packet one-way delay: 30.132 ms
Loss rate: 23.54%

Run 7: Report of FillP — Data Link

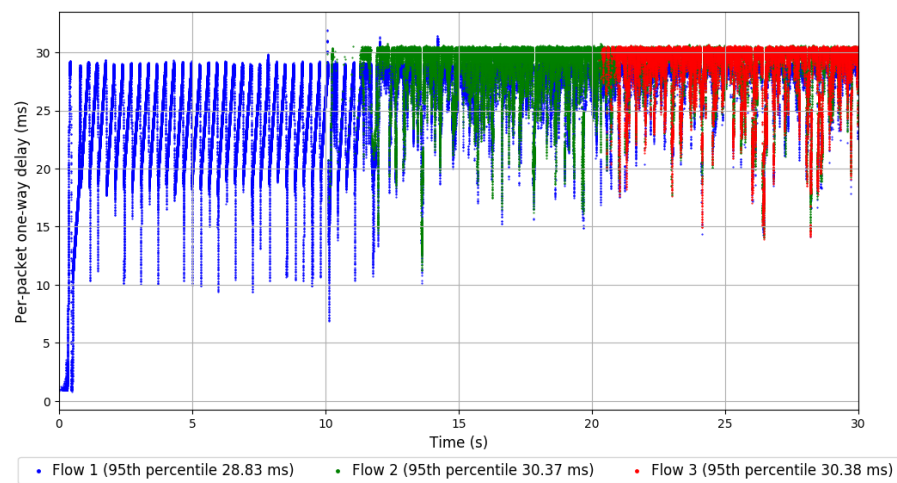
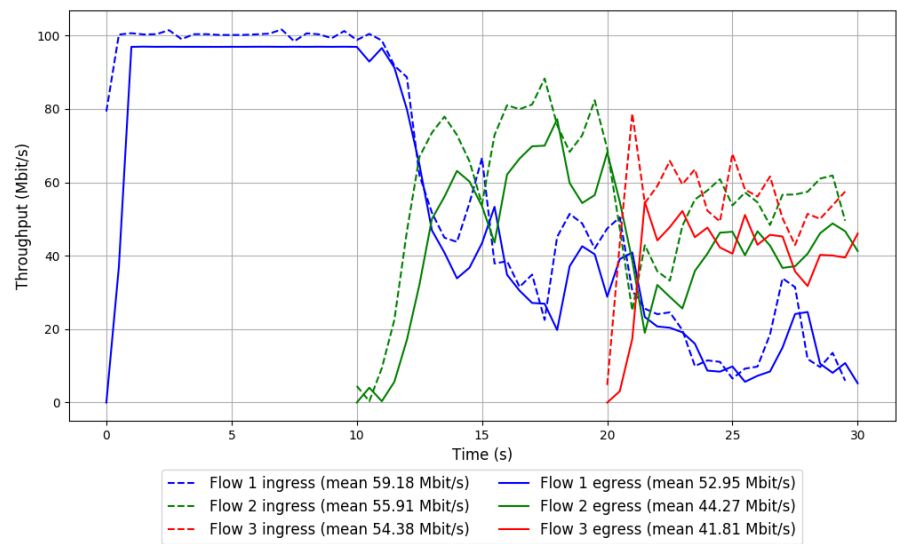


Run 8: Statistics of FillP

Start at: 2018-05-30 18:02:11
End at: 2018-05-30 18:02:41
Local clock offset: -3.331 ms
Remote clock offset: -3.081 ms

Below is generated by plot.py at 2018-05-30 19:00:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.96 Mbit/s
95th percentile per-packet one-way delay: 30.264 ms
Loss rate: 16.08%
-- Flow 1:
Average throughput: 52.95 Mbit/s
95th percentile per-packet one-way delay: 28.830 ms
Loss rate: 10.46%
-- Flow 2:
Average throughput: 44.27 Mbit/s
95th percentile per-packet one-way delay: 30.370 ms
Loss rate: 20.83%
-- Flow 3:
Average throughput: 41.81 Mbit/s
95th percentile per-packet one-way delay: 30.375 ms
Loss rate: 24.71%

Run 8: Report of FillP — Data Link

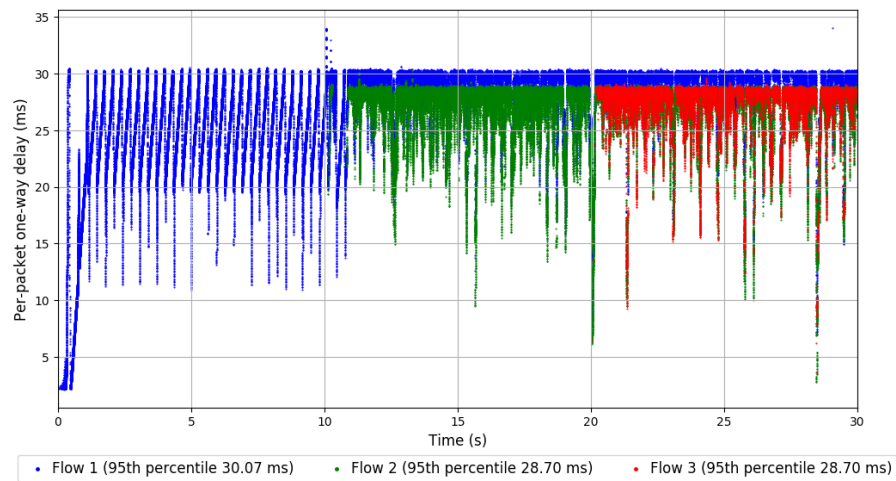
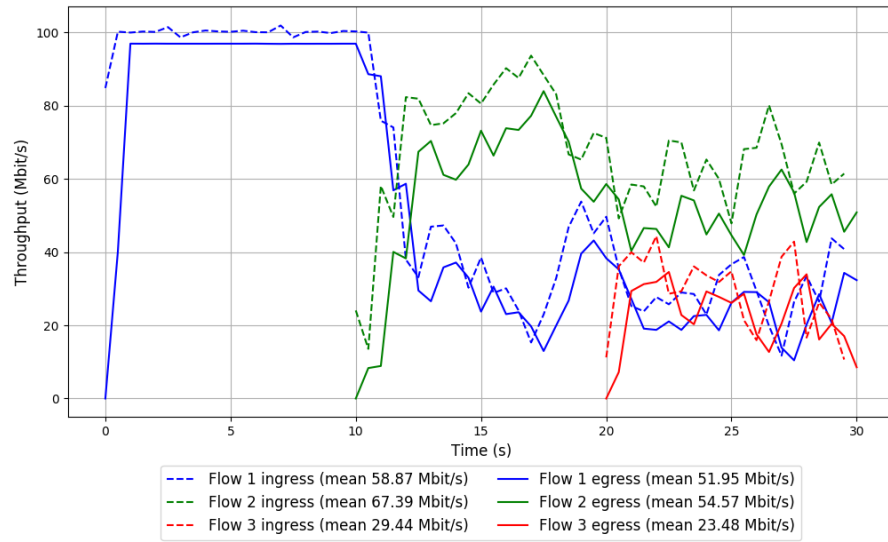


Run 9: Statistics of FillP

Start at: 2018-05-30 18:20:14
End at: 2018-05-30 18:20:44
Local clock offset: -7.194 ms
Remote clock offset: -2.909 ms

Below is generated by plot.py at 2018-05-30 19:01:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 29.951 ms
Loss rate: 15.30%
-- Flow 1:
Average throughput: 51.95 Mbit/s
95th percentile per-packet one-way delay: 30.072 ms
Loss rate: 11.67%
-- Flow 2:
Average throughput: 54.57 Mbit/s
95th percentile per-packet one-way delay: 28.698 ms
Loss rate: 19.01%
-- Flow 3:
Average throughput: 23.48 Mbit/s
95th percentile per-packet one-way delay: 28.698 ms
Loss rate: 20.15%

Run 9: Report of FillP — Data Link

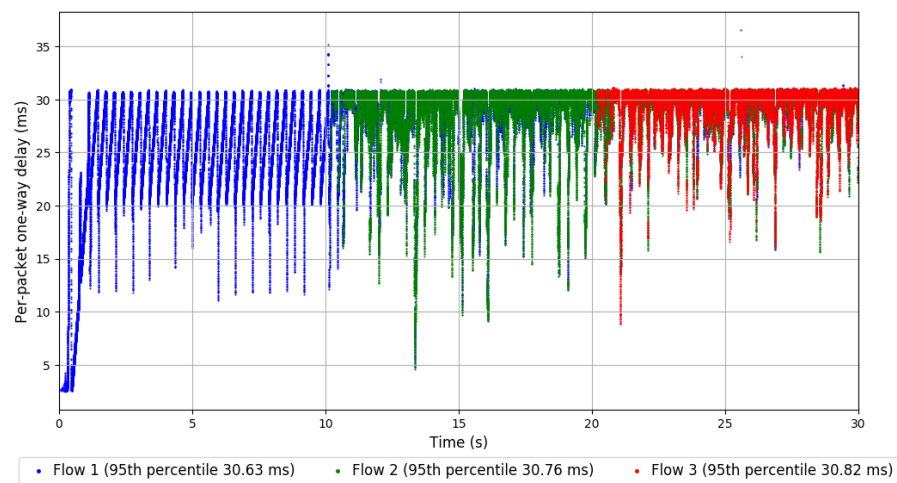
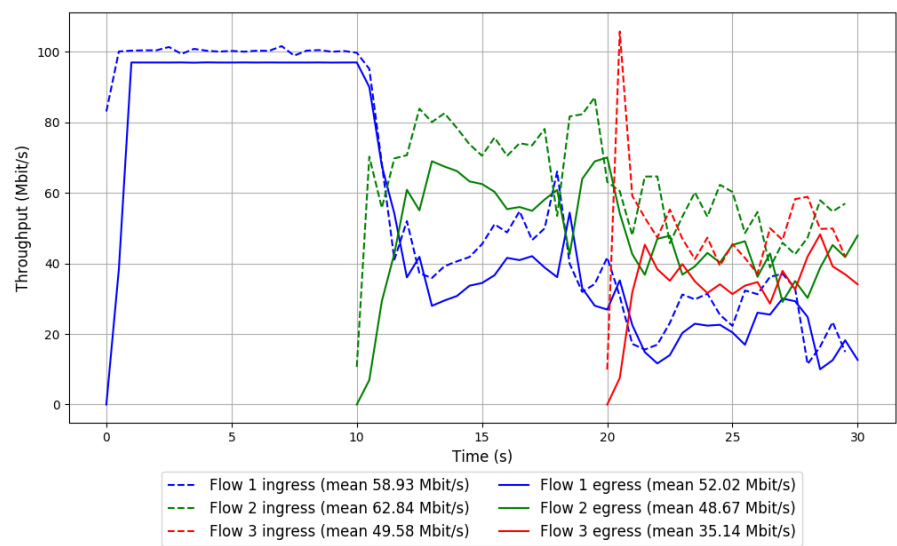


Run 10: Statistics of FillP

Start at: 2018-05-30 18:38:19
End at: 2018-05-30 18:38:49
Local clock offset: -7.566 ms
Remote clock offset: -2.892 ms

Below is generated by plot.py at 2018-05-30 19:01:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 30.728 ms
Loss rate: 18.01%
-- Flow 1:
Average throughput: 52.02 Mbit/s
95th percentile per-packet one-way delay: 30.630 ms
Loss rate: 11.66%
-- Flow 2:
Average throughput: 48.67 Mbit/s
95th percentile per-packet one-way delay: 30.761 ms
Loss rate: 22.56%
-- Flow 3:
Average throughput: 35.14 Mbit/s
95th percentile per-packet one-way delay: 30.822 ms
Loss rate: 29.17%

Run 10: Report of FillP — Data Link

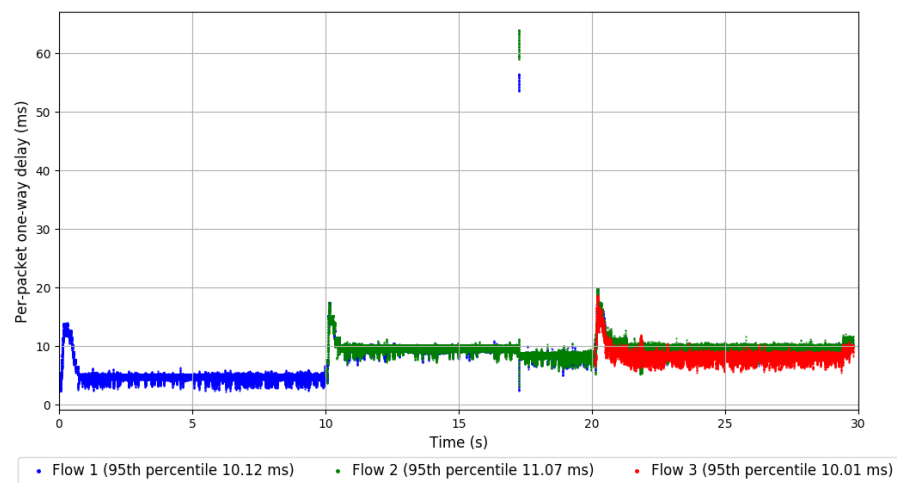
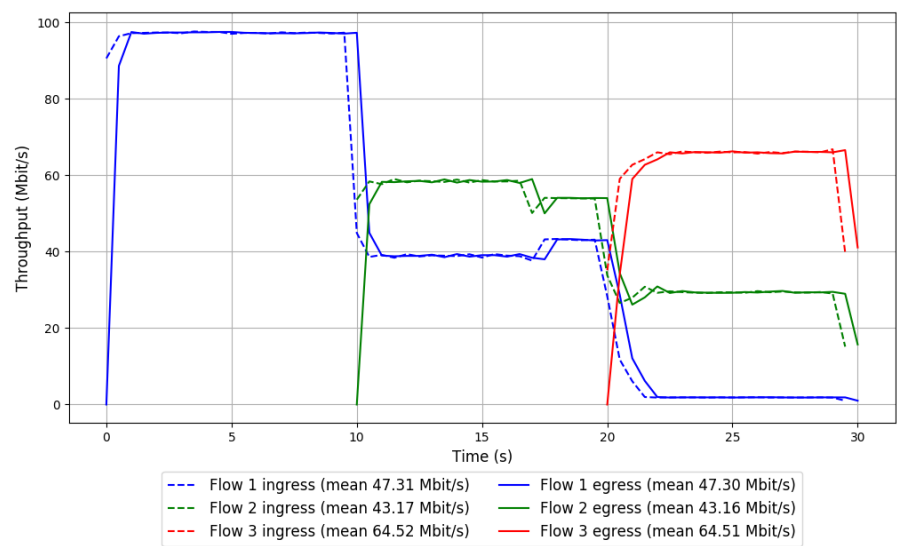


```
Run 1: Statistics of Indigo

Start at: 2018-05-30 16:04:11
End at: 2018-05-30 16:04:41
Local clock offset: -0.939 ms
Remote clock offset: 0.314 ms

# Below is generated by plot.py at 2018-05-30 19:01:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.95 Mbit/s
95th percentile per-packet one-way delay: 10.559 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.30 Mbit/s
95th percentile per-packet one-way delay: 10.120 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.16 Mbit/s
95th percentile per-packet one-way delay: 11.069 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.51 Mbit/s
95th percentile per-packet one-way delay: 10.005 ms
Loss rate: 0.00%
```


Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-05-30 16:22:15

End at: 2018-05-30 16:22:45

Local clock offset: -2.497 ms

Remote clock offset: 1.964 ms

Below is generated by plot.py at 2018-05-30 19:01:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.28 Mbit/s

95th percentile per-packet one-way delay: 15.417 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 44.49 Mbit/s

95th percentile per-packet one-way delay: 10.363 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 47.95 Mbit/s

95th percentile per-packet one-way delay: 14.379 ms

Loss rate: 0.00%

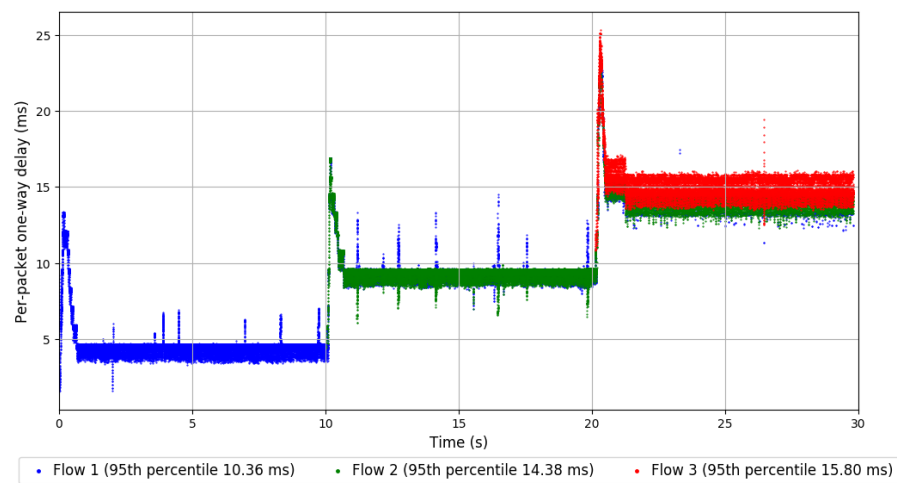
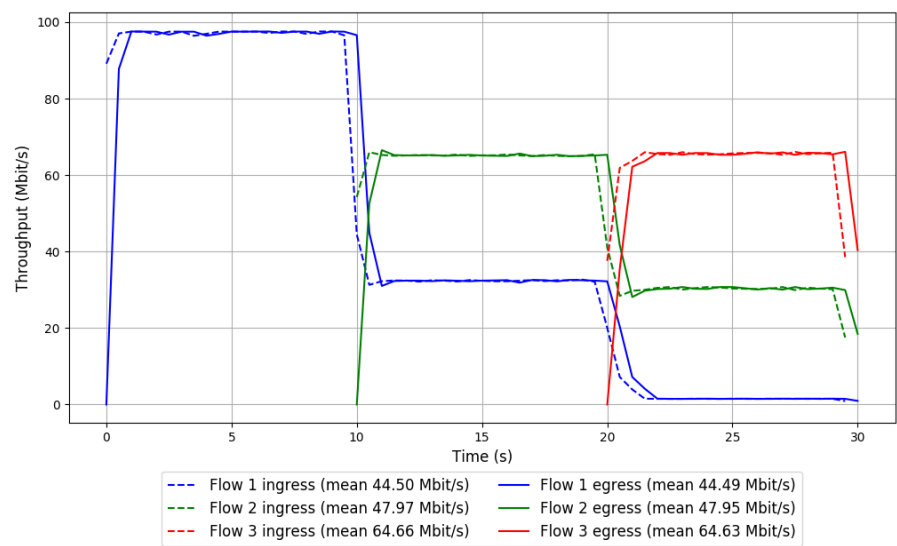
-- Flow 3:

Average throughput: 64.63 Mbit/s

95th percentile per-packet one-way delay: 15.804 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-05-30 16:40:25

End at: 2018-05-30 16:40:55

Local clock offset: -1.687 ms

Remote clock offset: -0.72 ms

Below is generated by plot.py at 2018-05-30 19:01:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.39 Mbit/s

95th percentile per-packet one-way delay: 13.953 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 47.35 Mbit/s

95th percentile per-packet one-way delay: 11.010 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 43.32 Mbit/s

95th percentile per-packet one-way delay: 13.959 ms

Loss rate: 0.00%

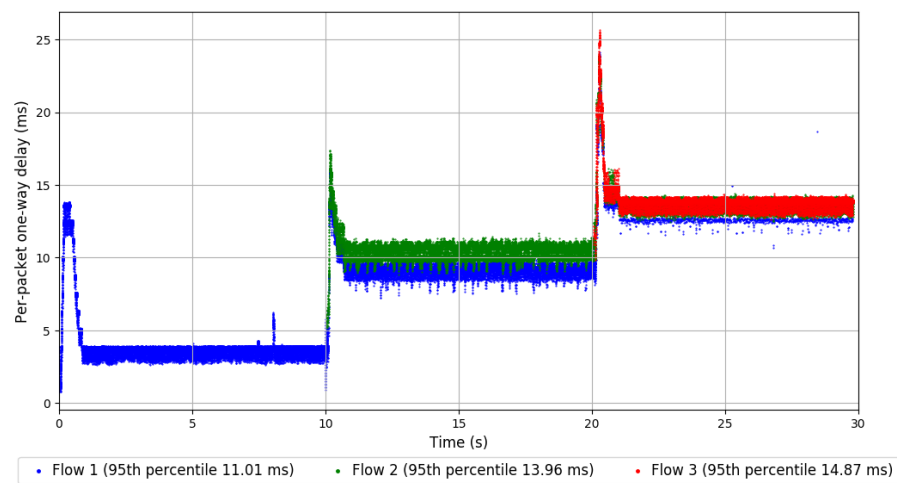
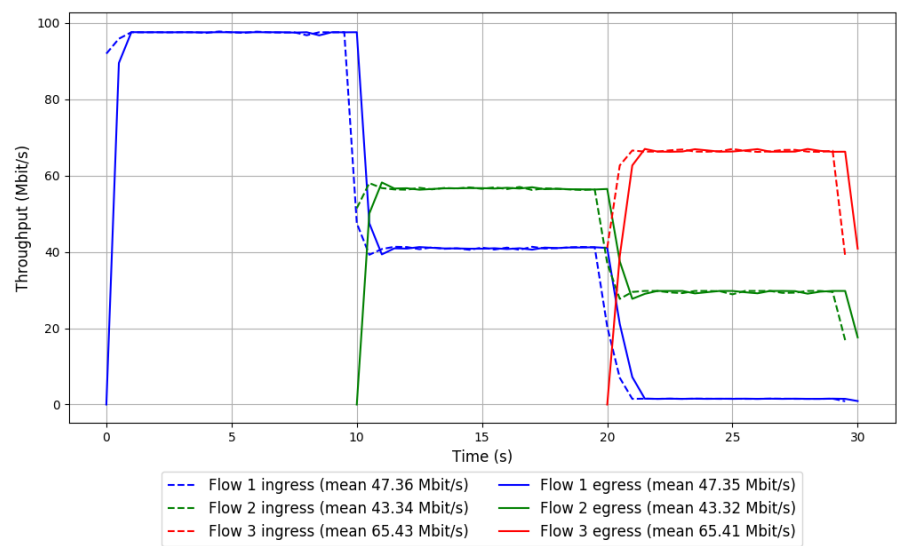
-- Flow 3:

Average throughput: 65.41 Mbit/s

95th percentile per-packet one-way delay: 14.872 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

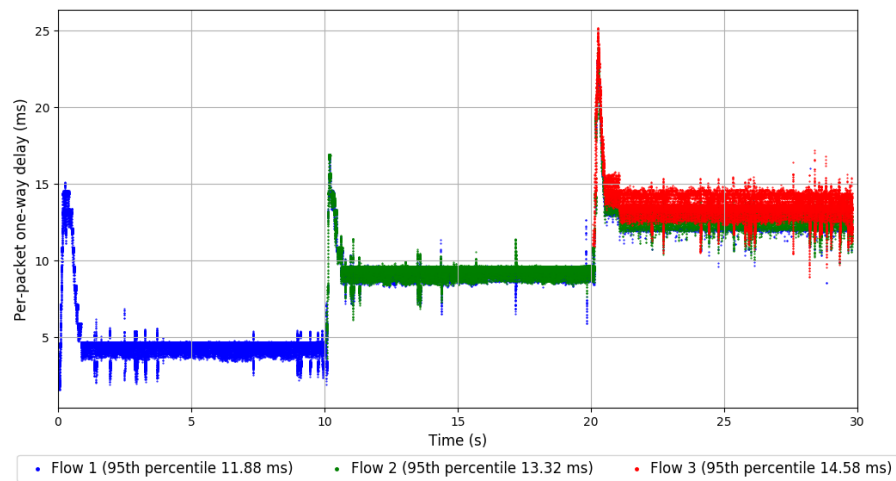
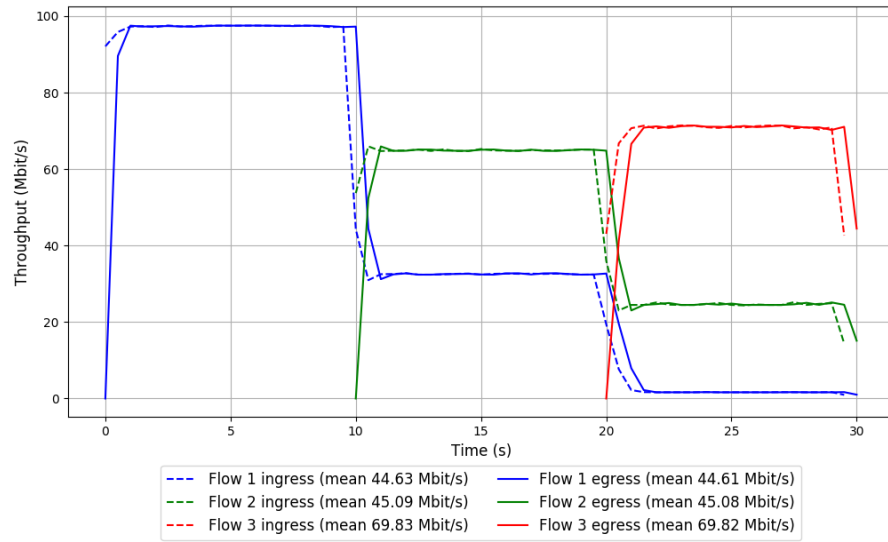


Run 4: Statistics of Indigo

Start at: 2018-05-30 16:59:49
End at: 2018-05-30 17:00:19
Local clock offset: -2.418 ms
Remote clock offset: -2.313 ms

Below is generated by plot.py at 2018-05-30 19:01:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 14.225 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.61 Mbit/s
95th percentile per-packet one-way delay: 11.884 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.08 Mbit/s
95th percentile per-packet one-way delay: 13.320 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 69.82 Mbit/s
95th percentile per-packet one-way delay: 14.577 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

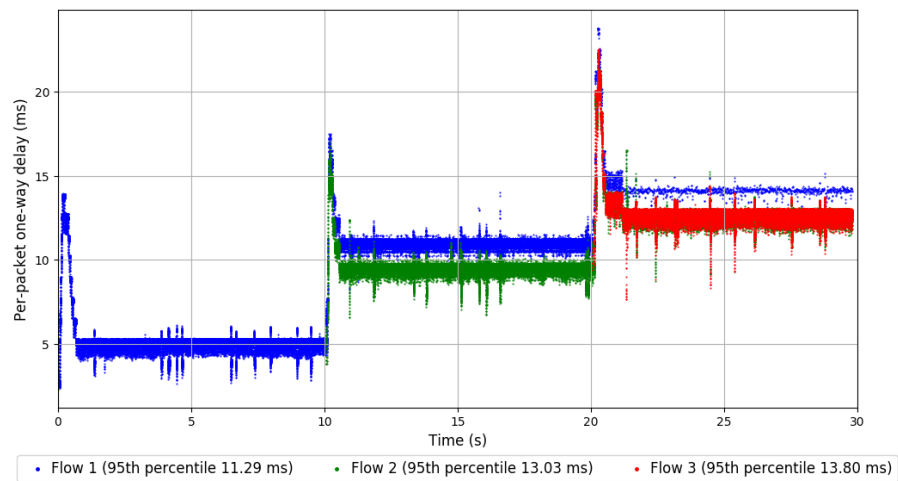
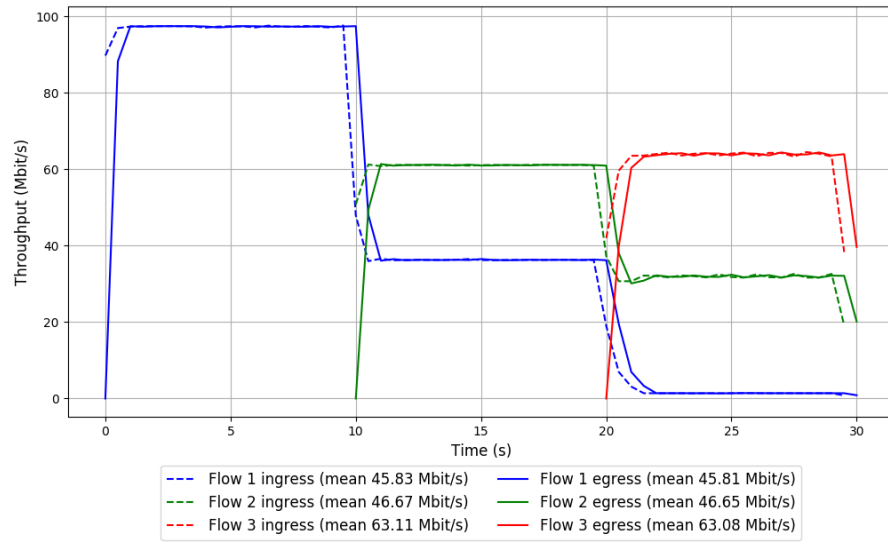


Run 5: Statistics of Indigo

Start at: 2018-05-30 17:17:59
End at: 2018-05-30 17:18:30
Local clock offset: -2.72 ms
Remote clock offset: -7.009 ms

Below is generated by plot.py at 2018-05-30 19:01:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.29 Mbit/s
95th percentile per-packet one-way delay: 13.048 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.81 Mbit/s
95th percentile per-packet one-way delay: 11.285 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.65 Mbit/s
95th percentile per-packet one-way delay: 13.029 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 63.08 Mbit/s
95th percentile per-packet one-way delay: 13.800 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

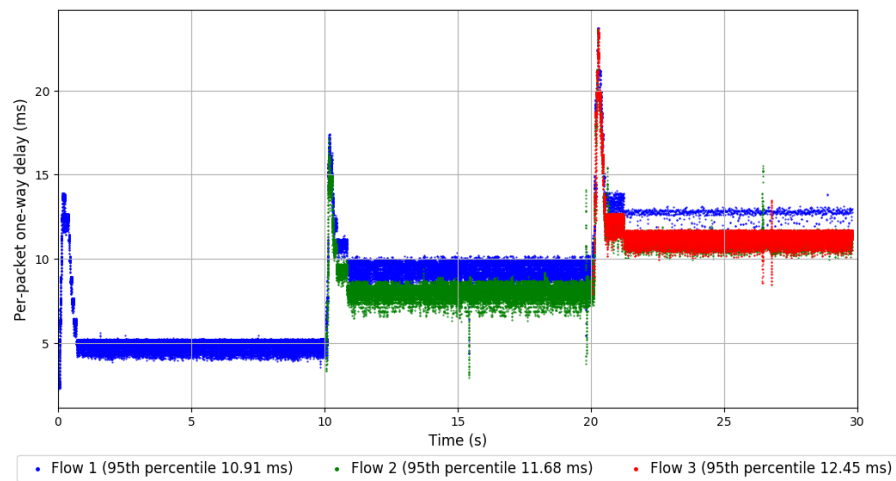
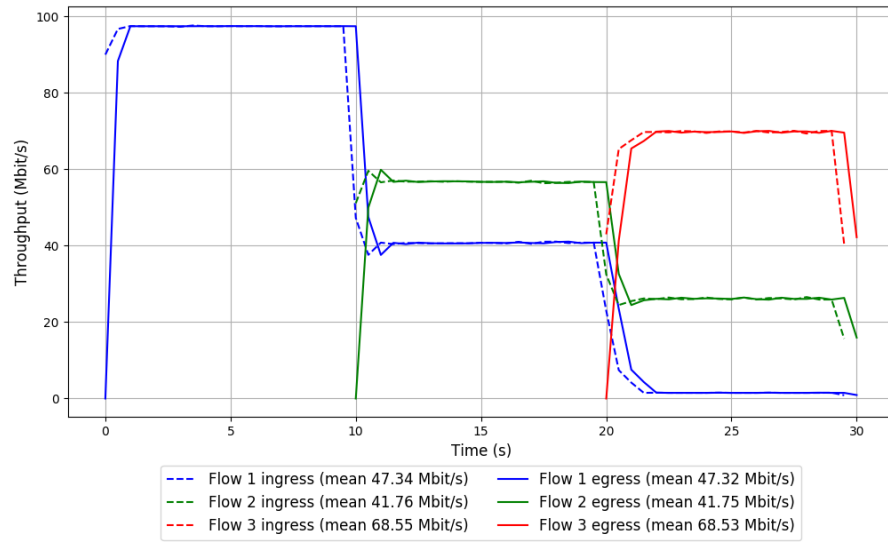


Run 6: Statistics of Indigo

Start at: 2018-05-30 17:36:09
End at: 2018-05-30 17:36:39
Local clock offset: -3.087 ms
Remote clock offset: -9.734 ms

Below is generated by plot.py at 2018-05-30 19:01:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 12.190 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.32 Mbit/s
95th percentile per-packet one-way delay: 10.907 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.75 Mbit/s
95th percentile per-packet one-way delay: 11.676 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 68.53 Mbit/s
95th percentile per-packet one-way delay: 12.446 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

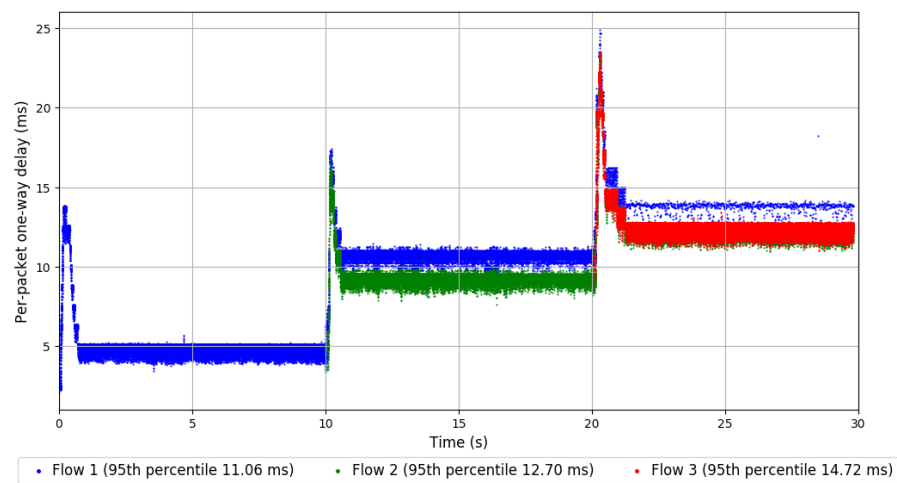
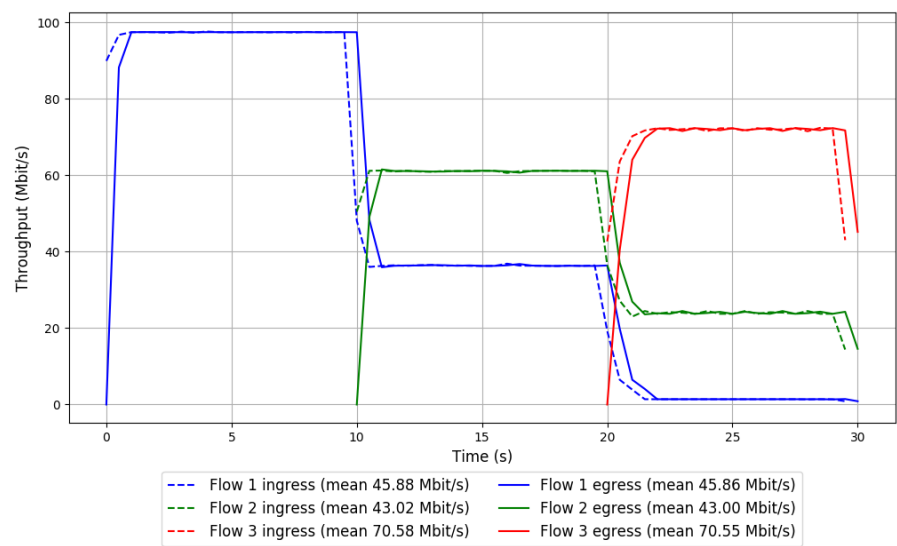


Run 7: Statistics of Indigo

Start at: 2018-05-30 17:54:18
End at: 2018-05-30 17:54:48
Local clock offset: -3.197 ms
Remote clock offset: -3.893 ms

Below is generated by plot.py at 2018-05-30 19:02:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.36 Mbit/s
95th percentile per-packet one-way delay: 12.757 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.86 Mbit/s
95th percentile per-packet one-way delay: 11.064 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.00 Mbit/s
95th percentile per-packet one-way delay: 12.703 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 70.55 Mbit/s
95th percentile per-packet one-way delay: 14.716 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

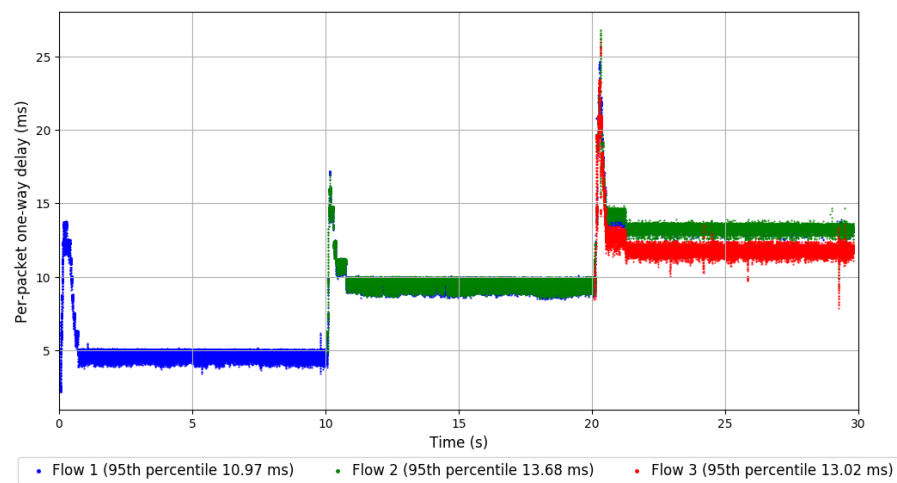
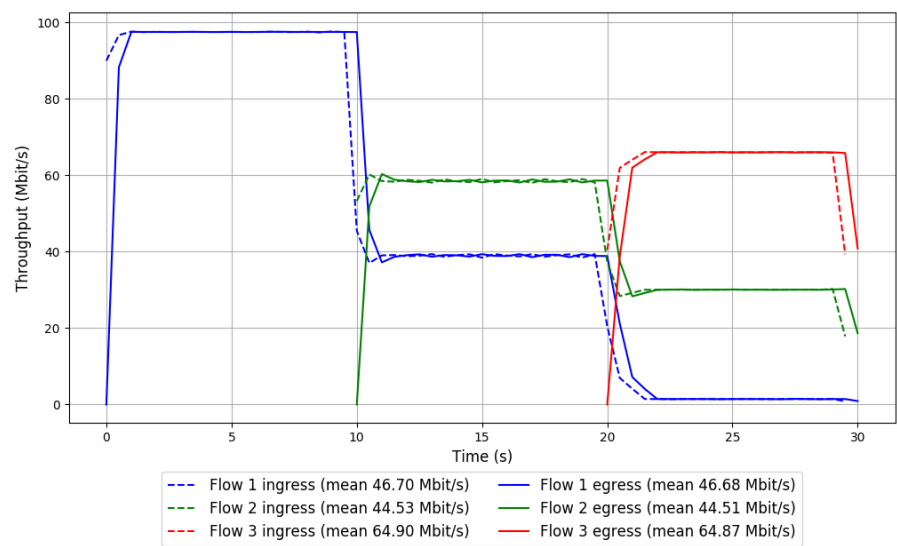


Run 8: Statistics of Indigo

Start at: 2018-05-30 18:12:21
End at: 2018-05-30 18:12:51
Local clock offset: -5.582 ms
Remote clock offset: -2.711 ms

Below is generated by plot.py at 2018-05-30 19:02:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.36 Mbit/s
95th percentile per-packet one-way delay: 13.398 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.68 Mbit/s
95th percentile per-packet one-way delay: 10.968 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.51 Mbit/s
95th percentile per-packet one-way delay: 13.678 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.87 Mbit/s
95th percentile per-packet one-way delay: 13.024 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

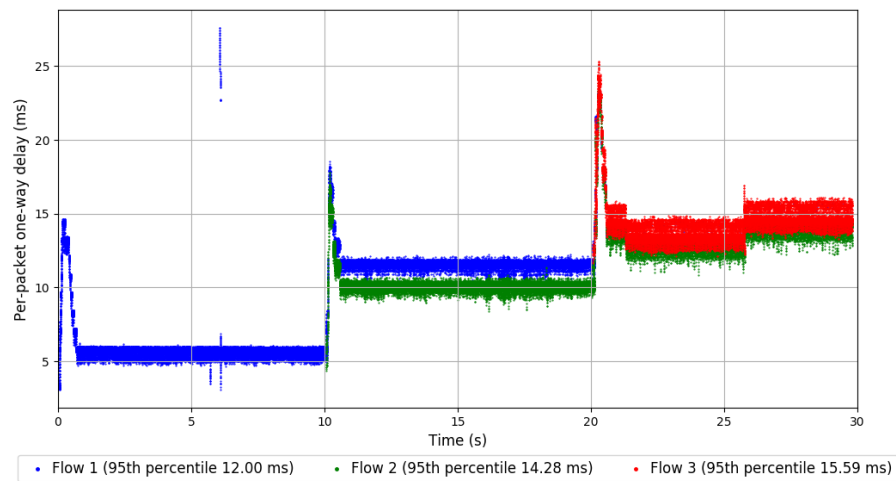
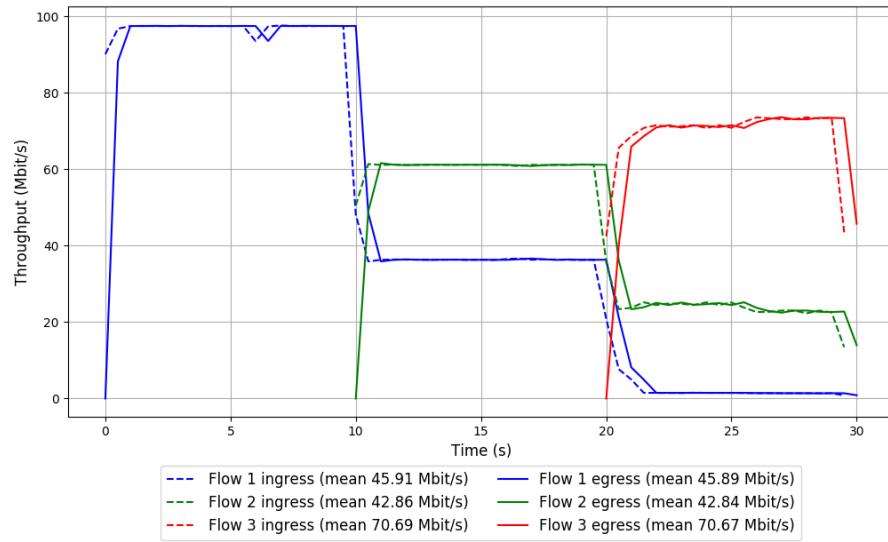


Run 9: Statistics of Indigo

Start at: 2018-05-30 18:30:26
End at: 2018-05-30 18:30:56
Local clock offset: -9.099 ms
Remote clock offset: -2.845 ms

Below is generated by plot.py at 2018-05-30 19:02:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.31 Mbit/s
95th percentile per-packet one-way delay: 14.640 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.89 Mbit/s
95th percentile per-packet one-way delay: 11.997 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.84 Mbit/s
95th percentile per-packet one-way delay: 14.283 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 70.67 Mbit/s
95th percentile per-packet one-way delay: 15.589 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link

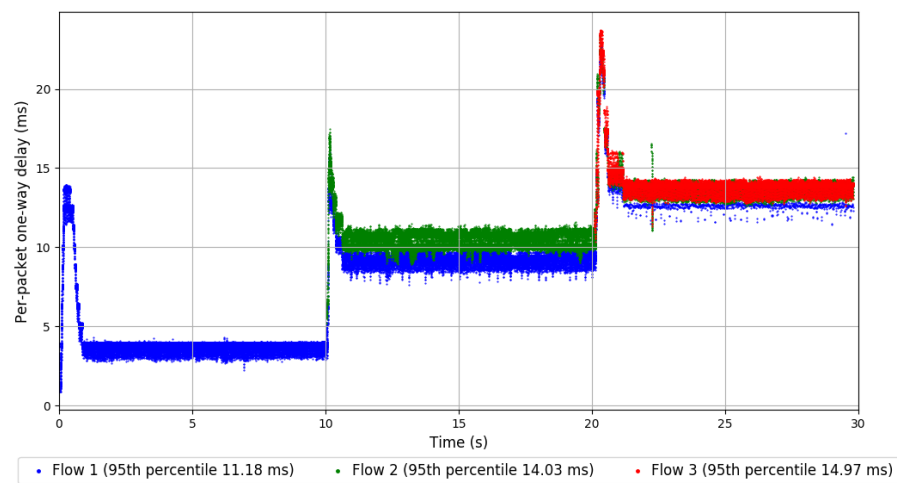
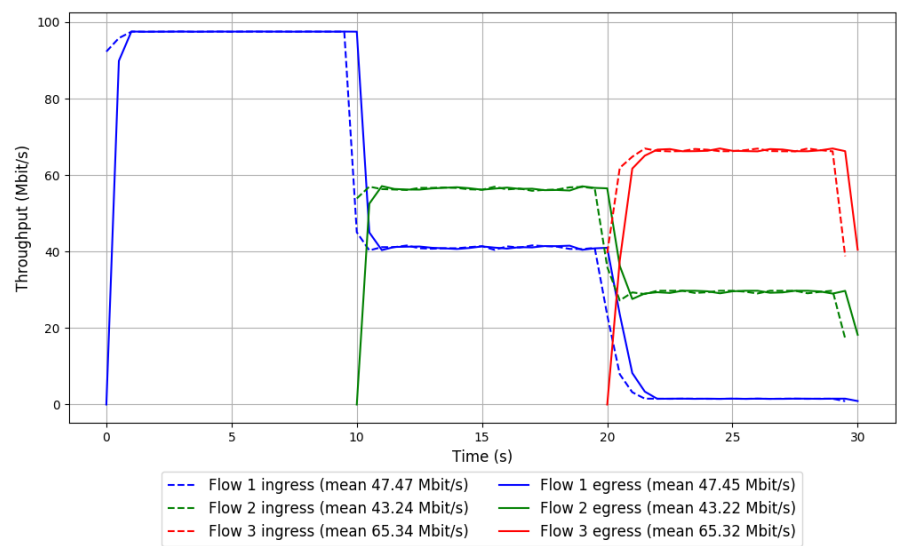


Run 10: Statistics of Indigo

Start at: 2018-05-30 18:48:30
End at: 2018-05-30 18:49:00
Local clock offset: -4.091 ms
Remote clock offset: -2.865 ms

Below is generated by plot.py at 2018-05-30 19:02:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 14.020 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.45 Mbit/s
95th percentile per-packet one-way delay: 11.176 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.22 Mbit/s
95th percentile per-packet one-way delay: 14.034 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 65.32 Mbit/s
95th percentile per-packet one-way delay: 14.971 ms
Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

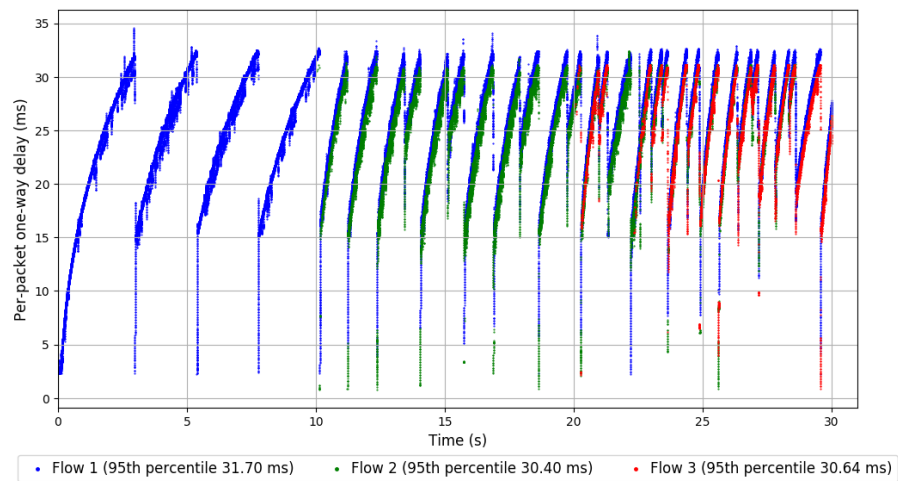
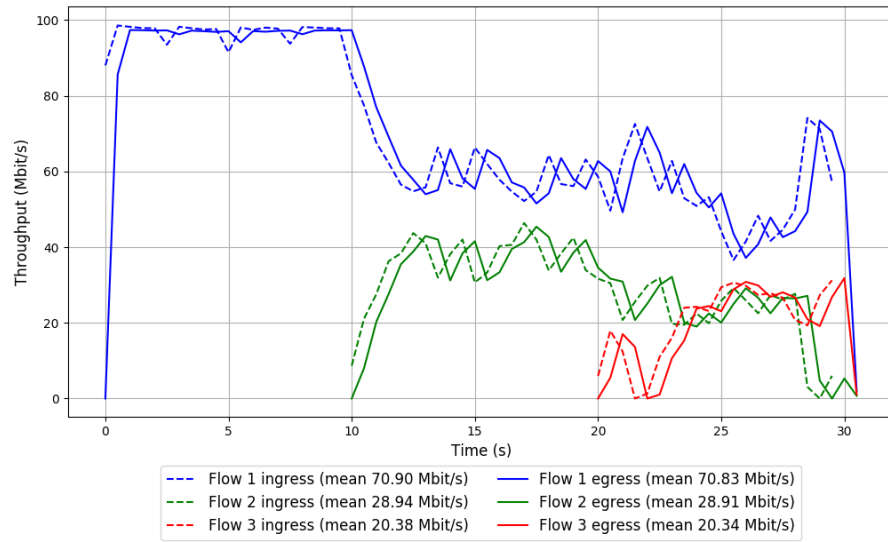


```
Run 1: Statistics of LEDBAT

Start at: 2018-05-30 15:59:41
End at: 2018-05-30 16:00:11
Local clock offset: -1.058 ms
Remote clock offset: -0.453 ms

# Below is generated by plot.py at 2018-05-30 19:02:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.83 Mbit/s
95th percentile per-packet one-way delay: 31.505 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 70.83 Mbit/s
95th percentile per-packet one-way delay: 31.699 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 28.91 Mbit/s
95th percentile per-packet one-way delay: 30.401 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 20.34 Mbit/s
95th percentile per-packet one-way delay: 30.645 ms
Loss rate: 0.20%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-05-30 16:17:45

End at: 2018-05-30 16:18:15

Local clock offset: -1.615 ms

Remote clock offset: 1.653 ms

Below is generated by plot.py at 2018-05-30 19:02:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.20 Mbit/s

95th percentile per-packet one-way delay: 30.839 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 60.75 Mbit/s

95th percentile per-packet one-way delay: 30.588 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 34.89 Mbit/s

95th percentile per-packet one-way delay: 30.812 ms

Loss rate: 0.09%

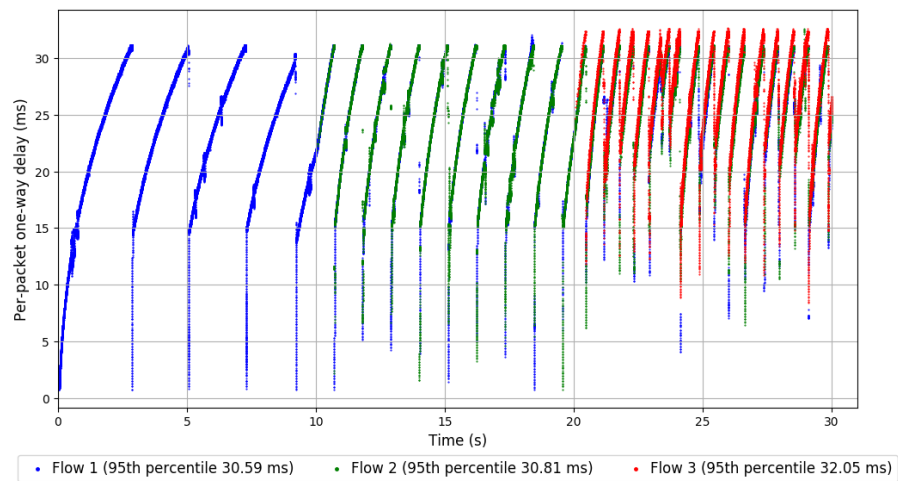
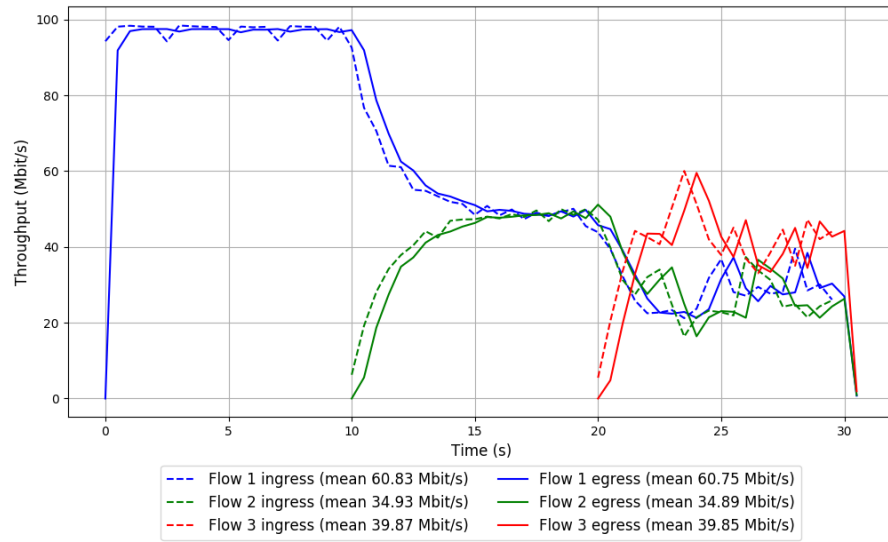
-- Flow 3:

Average throughput: 39.85 Mbit/s

95th percentile per-packet one-way delay: 32.054 ms

Loss rate: 0.03%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-05-30 16:35:54

End at: 2018-05-30 16:36:24

Local clock offset: -0.851 ms

Remote clock offset: 0.403 ms

Below is generated by plot.py at 2018-05-30 19:02:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.29 Mbit/s

95th percentile per-packet one-way delay: 30.810 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 52.63 Mbit/s

95th percentile per-packet one-way delay: 30.011 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 52.50 Mbit/s

95th percentile per-packet one-way delay: 31.358 ms

Loss rate: 0.02%

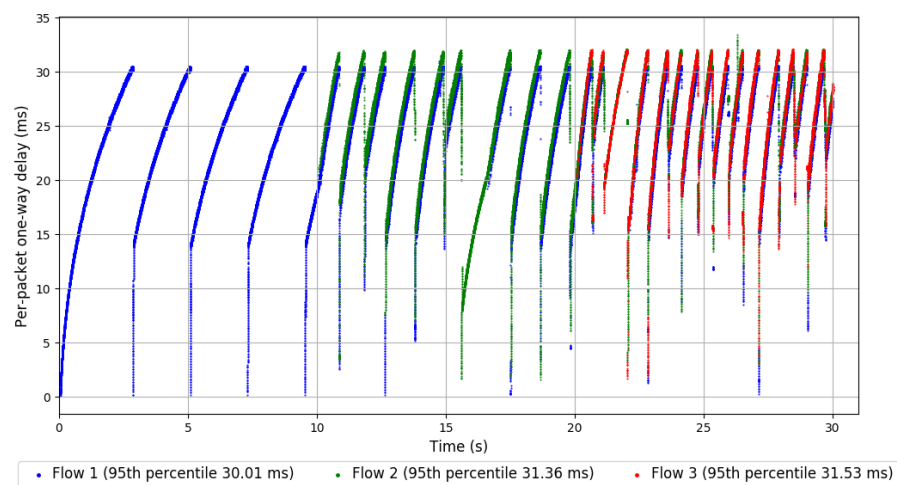
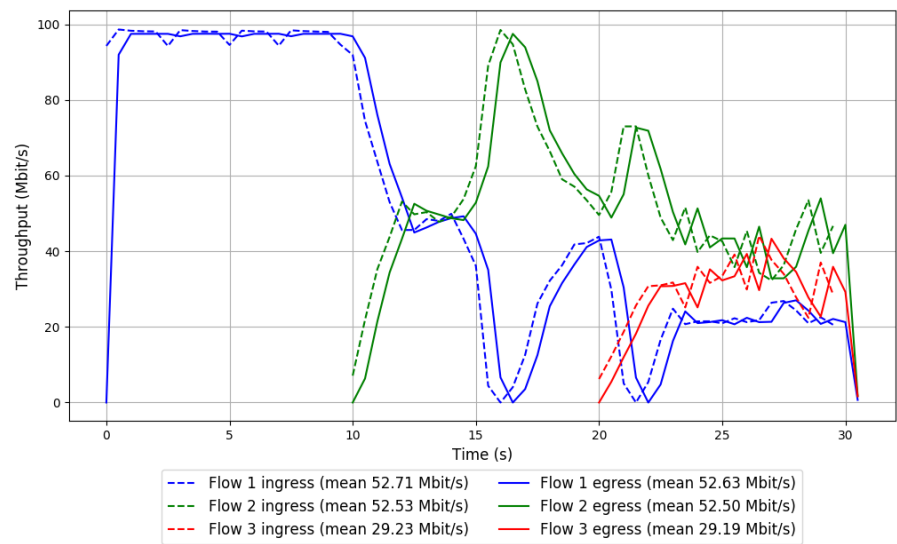
-- Flow 3:

Average throughput: 29.19 Mbit/s

95th percentile per-packet one-way delay: 31.532 ms

Loss rate: 0.08%

Run 3: Report of LEDBAT — Data Link

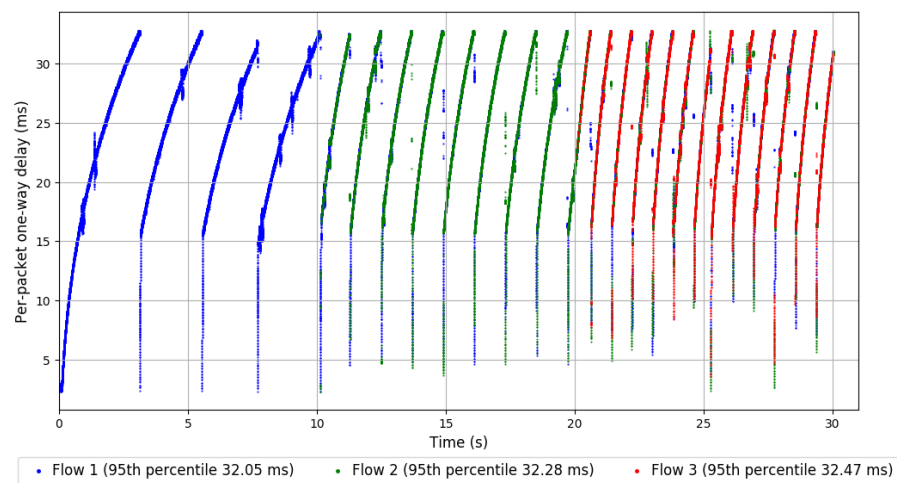
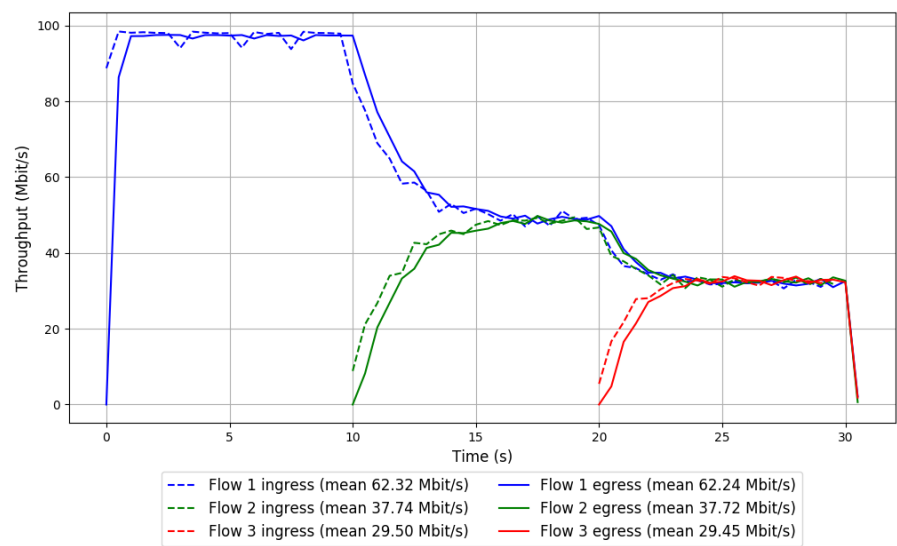


Run 4: Statistics of LEDBAT

Start at: 2018-05-30 16:55:14
End at: 2018-05-30 16:55:44
Local clock offset: -1.702 ms
Remote clock offset: -2.066 ms

Below is generated by plot.py at 2018-05-30 19:03:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 32.231 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 62.24 Mbit/s
95th percentile per-packet one-way delay: 32.051 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 37.72 Mbit/s
95th percentile per-packet one-way delay: 32.283 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 29.45 Mbit/s
95th percentile per-packet one-way delay: 32.467 ms
Loss rate: 0.08%

Run 4: Report of LEDBAT — Data Link

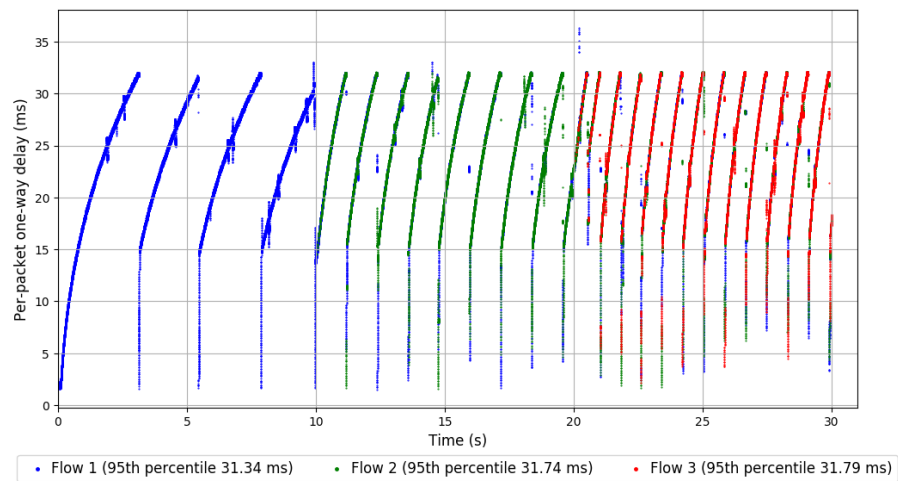
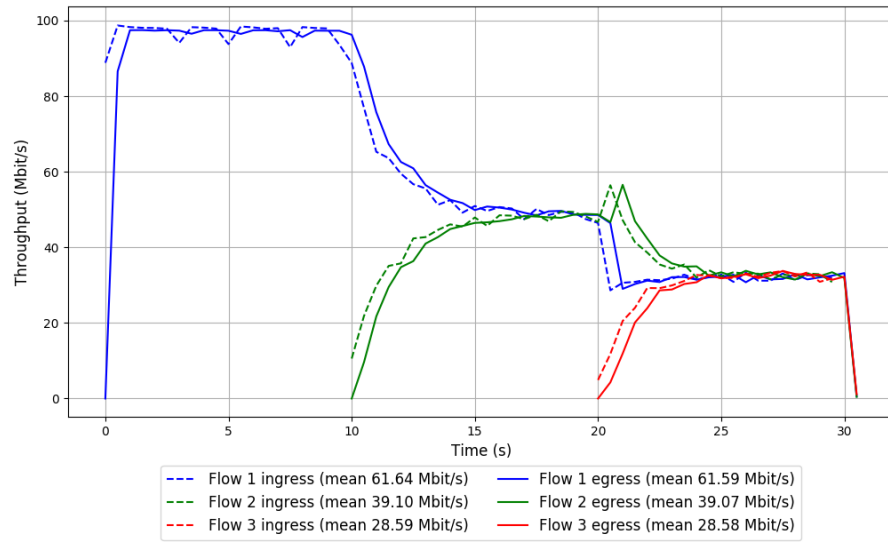


Run 5: Statistics of LEDBAT

Start at: 2018-05-30 17:13:29
End at: 2018-05-30 17:13:59
Local clock offset: -1.713 ms
Remote clock offset: -5.976 ms

Below is generated by plot.py at 2018-05-30 19:04:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 31.528 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 61.59 Mbit/s
95th percentile per-packet one-way delay: 31.338 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 39.07 Mbit/s
95th percentile per-packet one-way delay: 31.743 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 28.58 Mbit/s
95th percentile per-packet one-way delay: 31.789 ms
Loss rate: 0.11%

Run 5: Report of LEDBAT — Data Link

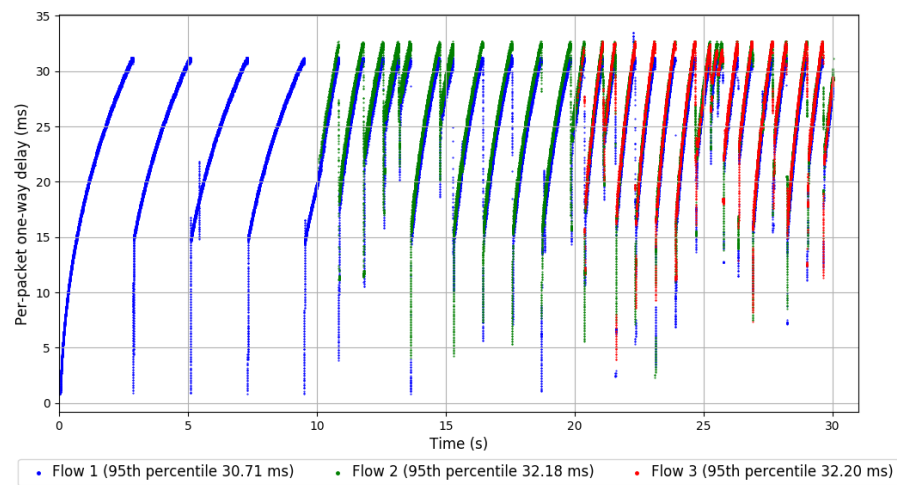
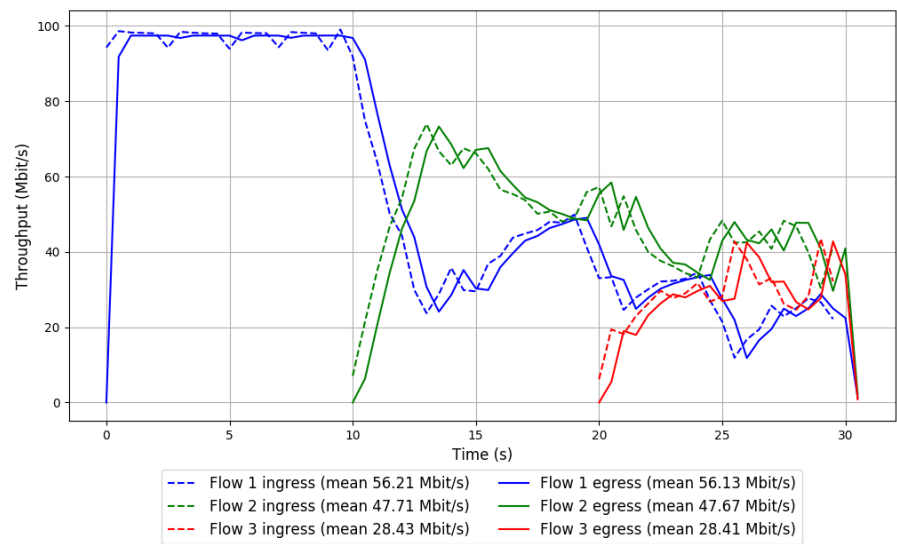


Run 6: Statistics of LEDBAT

Start at: 2018-05-30 17:31:39
End at: 2018-05-30 17:32:09
Local clock offset: -3.038 ms
Remote clock offset: -9.253 ms

Below is generated by plot.py at 2018-05-30 19:04:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 31.489 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 56.13 Mbit/s
95th percentile per-packet one-way delay: 30.711 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 47.67 Mbit/s
95th percentile per-packet one-way delay: 32.179 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 28.41 Mbit/s
95th percentile per-packet one-way delay: 32.204 ms
Loss rate: 0.06%

Run 6: Report of LEDBAT — Data Link

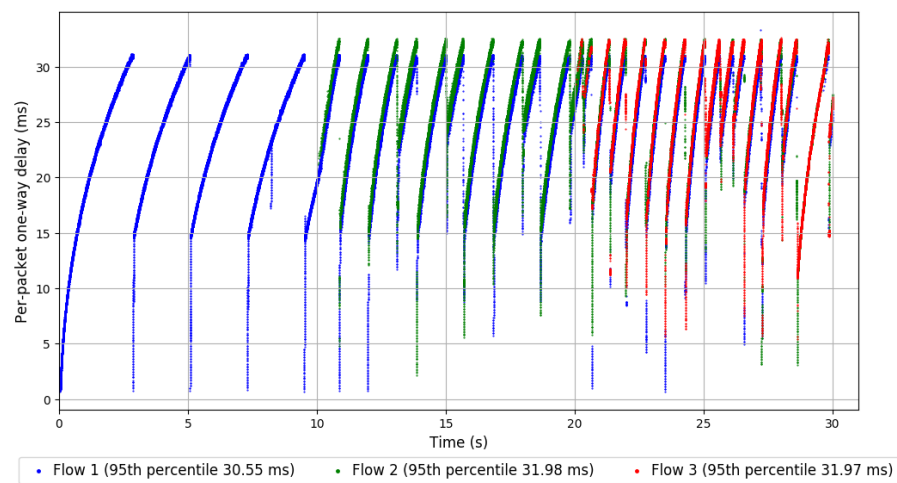
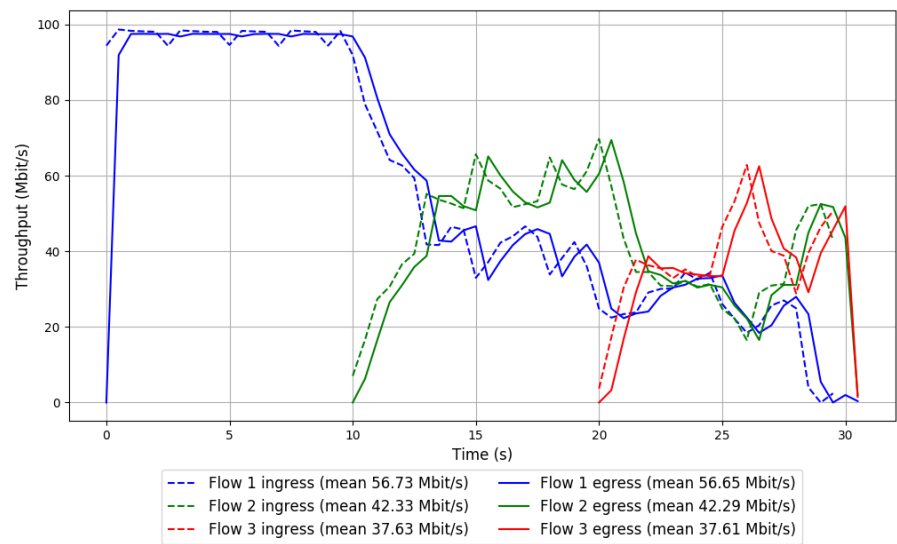


Run 7: Statistics of LEDBAT

Start at: 2018-05-30 17:49:48
End at: 2018-05-30 17:50:18
Local clock offset: -3.153 ms
Remote clock offset: -4.795 ms

Below is generated by plot.py at 2018-05-30 19:04:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.29 Mbit/s
95th percentile per-packet one-way delay: 31.275 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 56.65 Mbit/s
95th percentile per-packet one-way delay: 30.555 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 42.29 Mbit/s
95th percentile per-packet one-way delay: 31.978 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 37.61 Mbit/s
95th percentile per-packet one-way delay: 31.971 ms
Loss rate: 0.05%

Run 7: Report of LEDBAT — Data Link

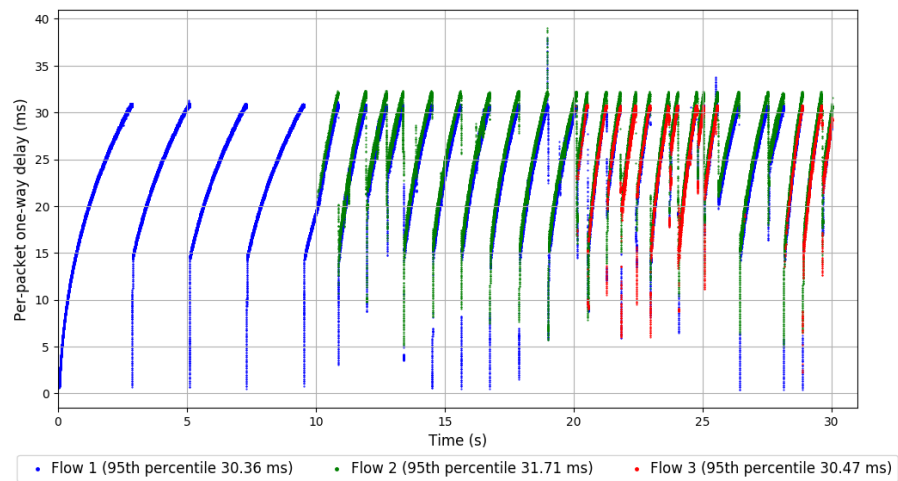
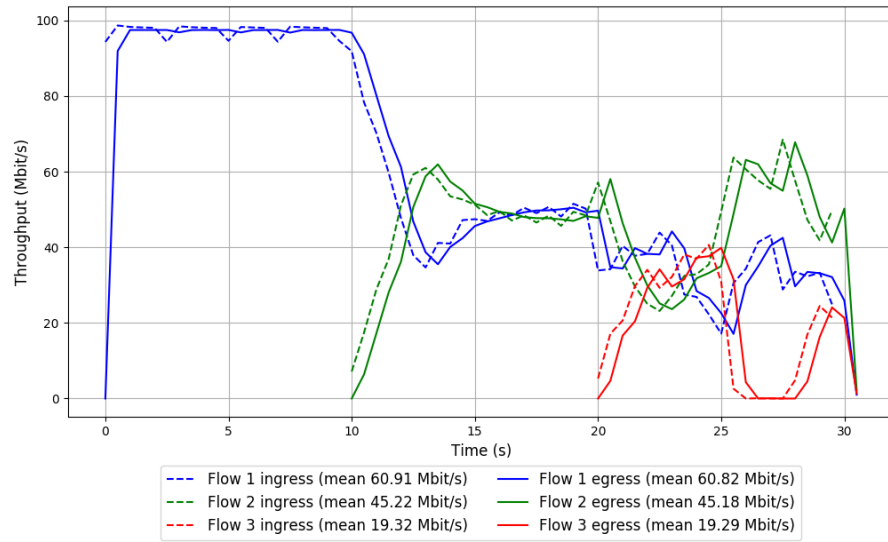


Run 8: Statistics of LEDBAT

Start at: 2018-05-30 18:07:51
End at: 2018-05-30 18:08:21
Local clock offset: -3.984 ms
Remote clock offset: -2.878 ms

Below is generated by plot.py at 2018-05-30 19:04:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 30.761 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 60.82 Mbit/s
95th percentile per-packet one-way delay: 30.361 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 45.18 Mbit/s
95th percentile per-packet one-way delay: 31.715 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 19.29 Mbit/s
95th percentile per-packet one-way delay: 30.466 ms
Loss rate: 0.15%

Run 8: Report of LEDBAT — Data Link

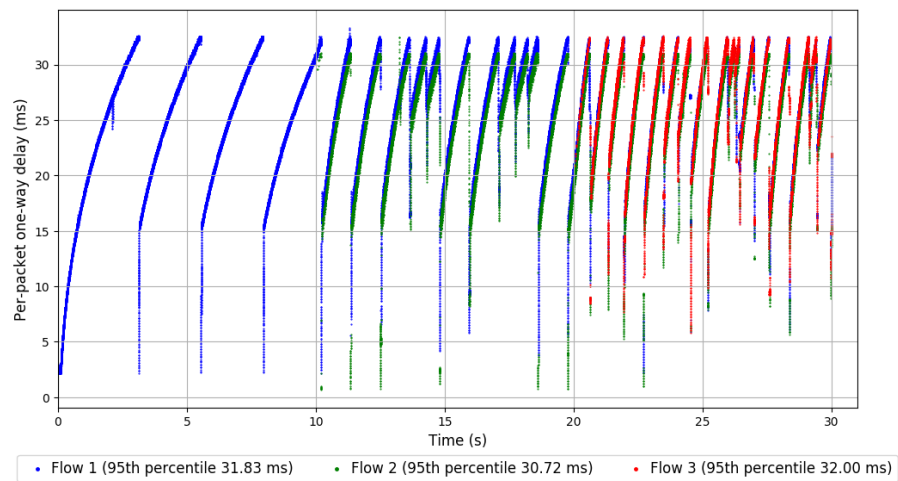
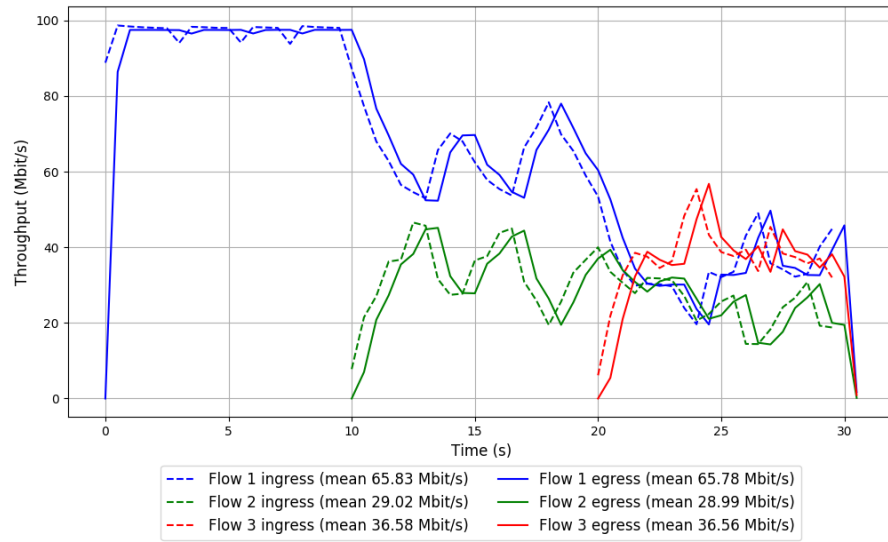


Run 9: Statistics of LEDBAT

Start at: 2018-05-30 18:25:56
End at: 2018-05-30 18:26:26
Local clock offset: -7.814 ms
Remote clock offset: -2.899 ms

Below is generated by plot.py at 2018-05-30 19:04:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.20 Mbit/s
95th percentile per-packet one-way delay: 31.767 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 65.78 Mbit/s
95th percentile per-packet one-way delay: 31.831 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 28.99 Mbit/s
95th percentile per-packet one-way delay: 30.719 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 36.56 Mbit/s
95th percentile per-packet one-way delay: 32.001 ms
Loss rate: 0.04%

Run 9: Report of LEDBAT — Data Link

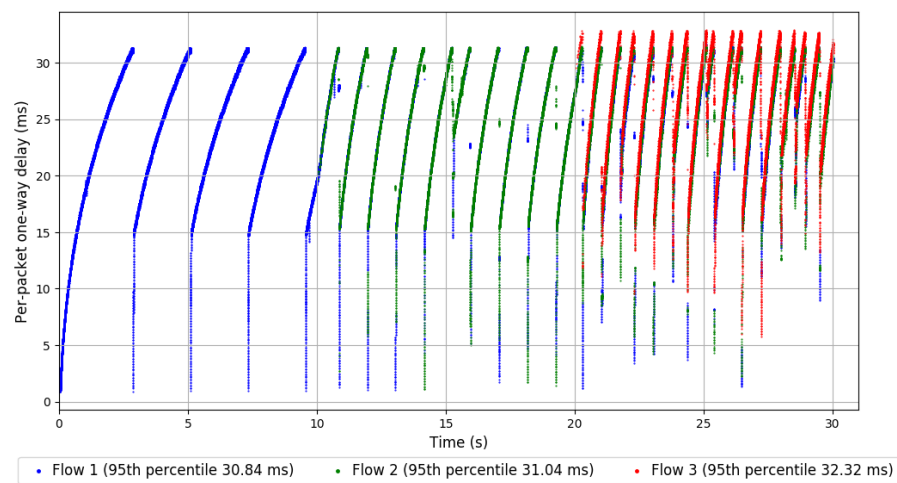
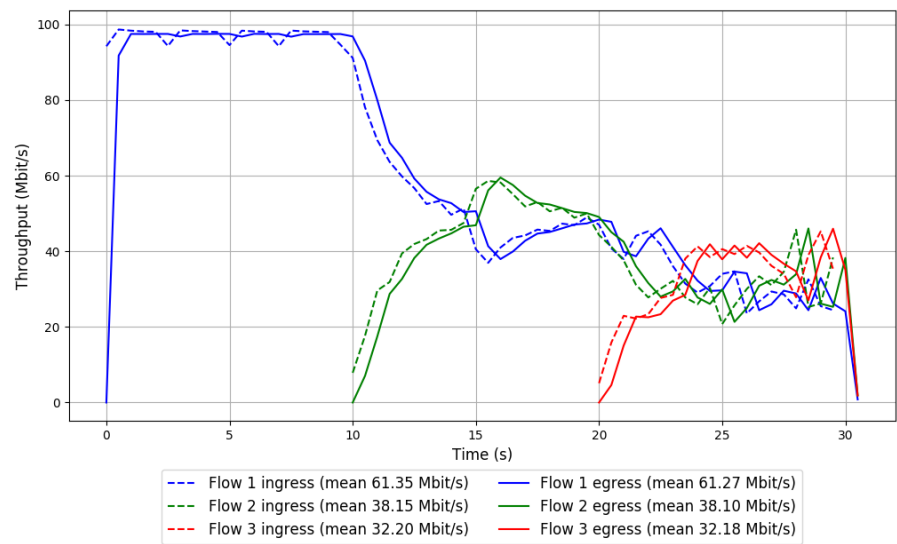


Run 10: Statistics of LEDBAT

Start at: 2018-05-30 18:44:00
End at: 2018-05-30 18:44:30
Local clock offset: -5.112 ms
Remote clock offset: -2.882 ms

Below is generated by plot.py at 2018-05-30 19:04:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.32 Mbit/s
95th percentile per-packet one-way delay: 31.055 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 61.27 Mbit/s
95th percentile per-packet one-way delay: 30.840 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 38.10 Mbit/s
95th percentile per-packet one-way delay: 31.038 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 32.18 Mbit/s
95th percentile per-packet one-way delay: 32.319 ms
Loss rate: 0.06%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-05-30 15:48:25

End at: 2018-05-30 15:48:55

Local clock offset: -1.178 ms

Remote clock offset: -1.58 ms

Below is generated by plot.py at 2018-05-30 19:04:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.28 Mbit/s

95th percentile per-packet one-way delay: 33.020 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 28.18 Mbit/s

95th percentile per-packet one-way delay: 32.989 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 37.09 Mbit/s

95th percentile per-packet one-way delay: 33.000 ms

Loss rate: 0.20%

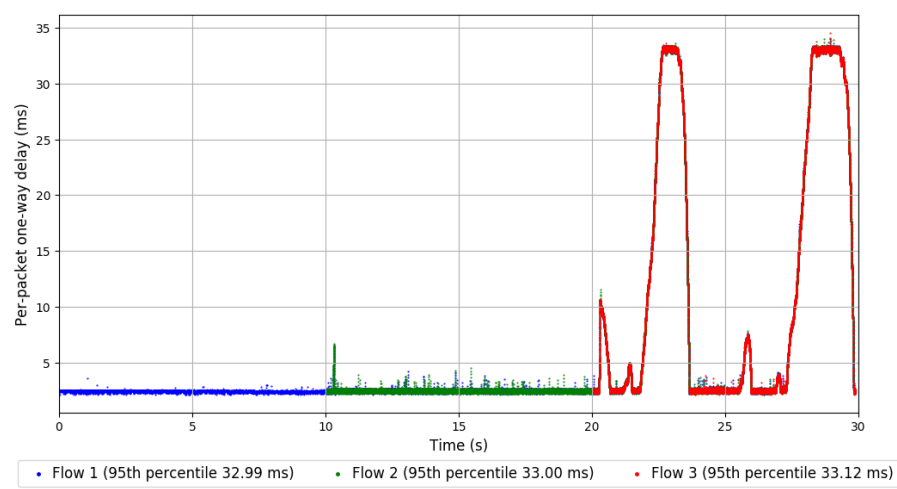
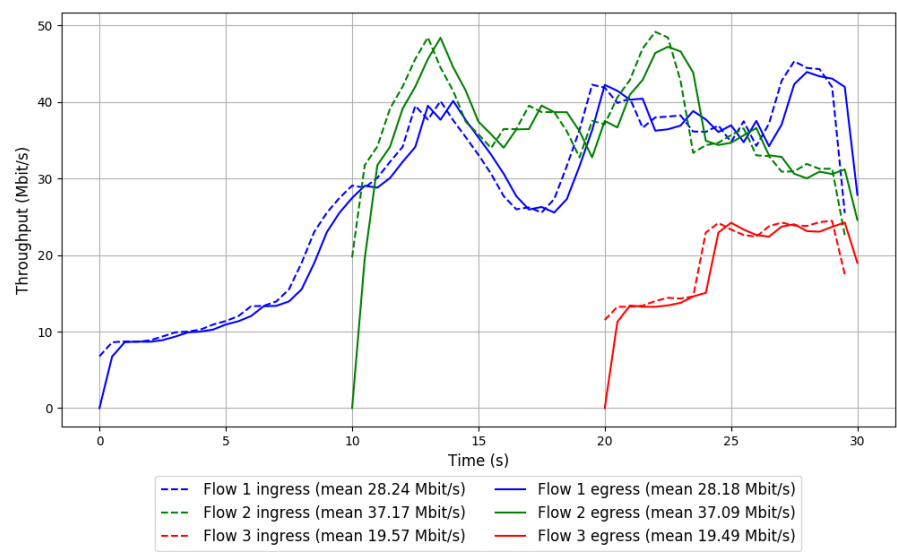
-- Flow 3:

Average throughput: 19.49 Mbit/s

95th percentile per-packet one-way delay: 33.116 ms

Loss rate: 0.45%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-05-30 16:06:28

End at: 2018-05-30 16:06:58

Local clock offset: -0.185 ms

Remote clock offset: 0.527 ms

Below is generated by plot.py at 2018-05-30 19:04:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.15 Mbit/s

95th percentile per-packet one-way delay: 0.933 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 78.69 Mbit/s

95th percentile per-packet one-way delay: 0.937 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 5.82 Mbit/s

95th percentile per-packet one-way delay: 1.059 ms

Loss rate: 0.00%

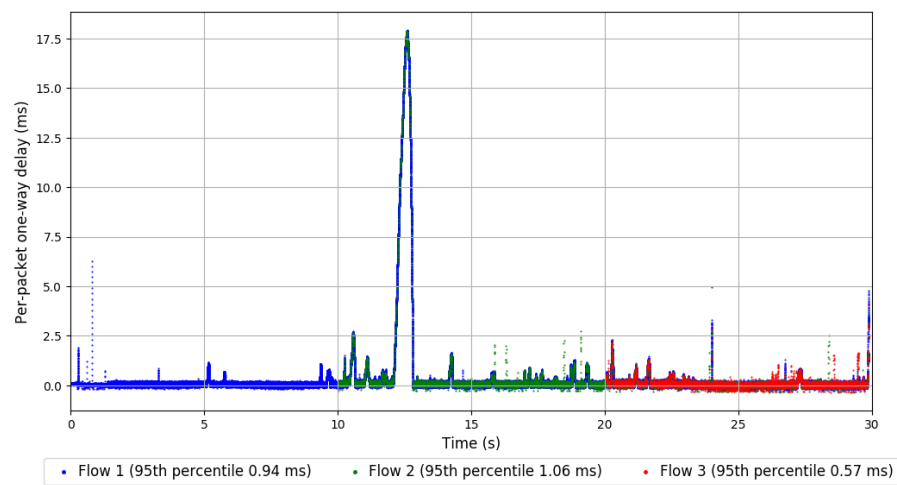
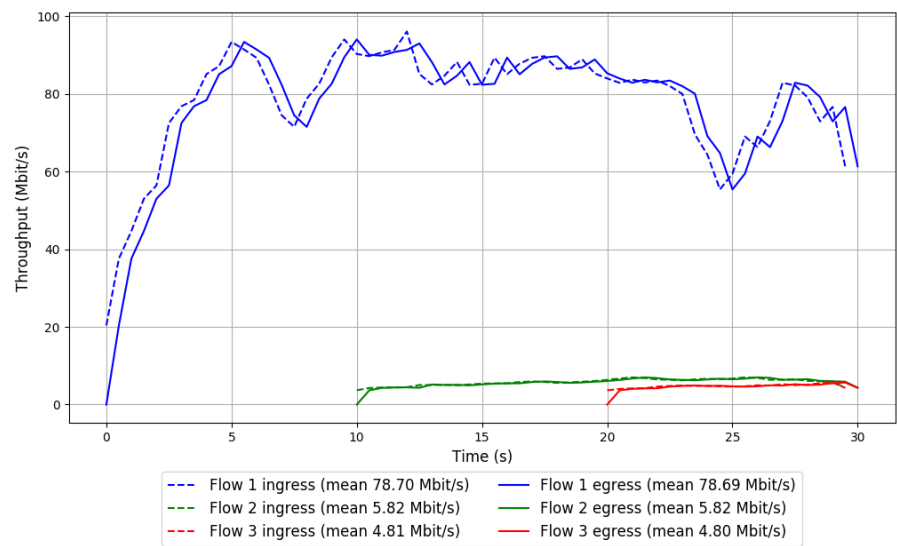
-- Flow 3:

Average throughput: 4.80 Mbit/s

95th percentile per-packet one-way delay: 0.568 ms

Loss rate: 0.00%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-05-30 16:24:32

End at: 2018-05-30 16:25:02

Local clock offset: -1.673 ms

Remote clock offset: 2.161 ms

Below is generated by plot.py at 2018-05-30 19:04:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.62 Mbit/s

95th percentile per-packet one-way delay: 10.386 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 63.21 Mbit/s

95th percentile per-packet one-way delay: 7.732 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.00 Mbit/s

95th percentile per-packet one-way delay: 14.099 ms

Loss rate: 0.00%

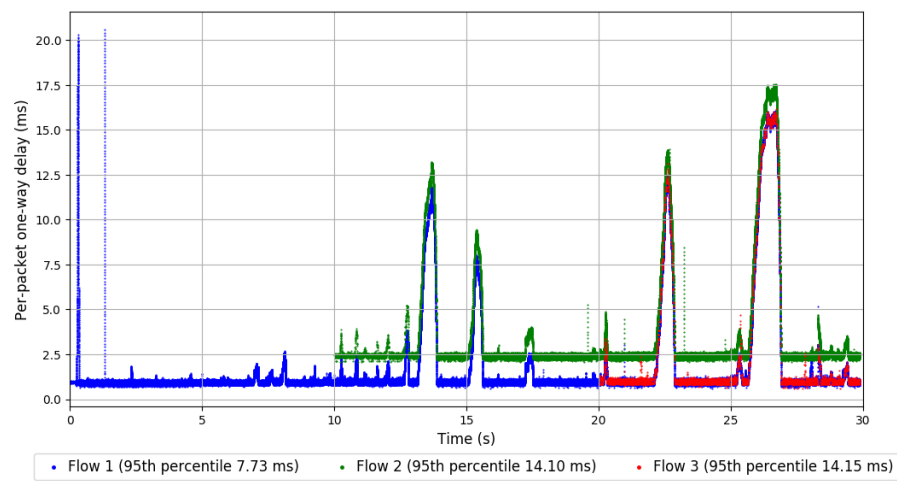
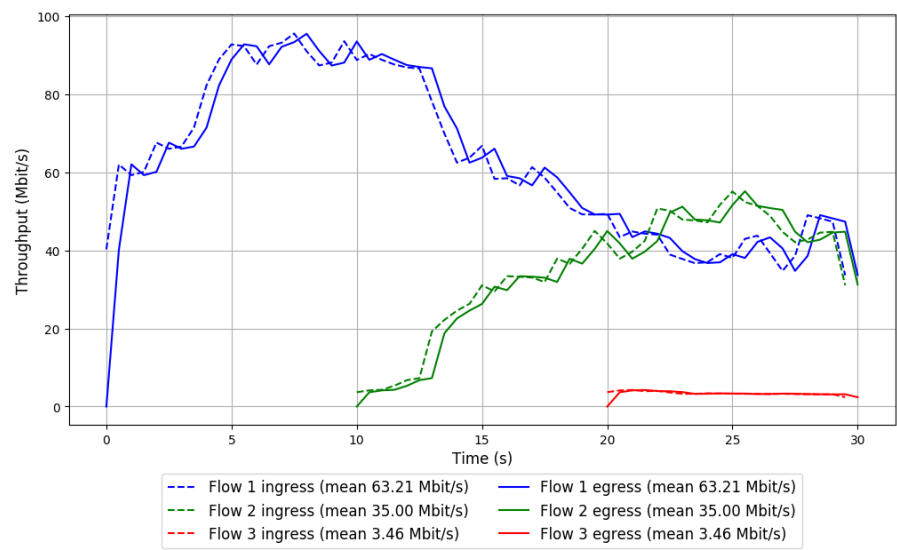
-- Flow 3:

Average throughput: 3.46 Mbit/s

95th percentile per-packet one-way delay: 14.146 ms

Loss rate: 0.00%

Run 3: Report of PCC-Allegro — Data Link

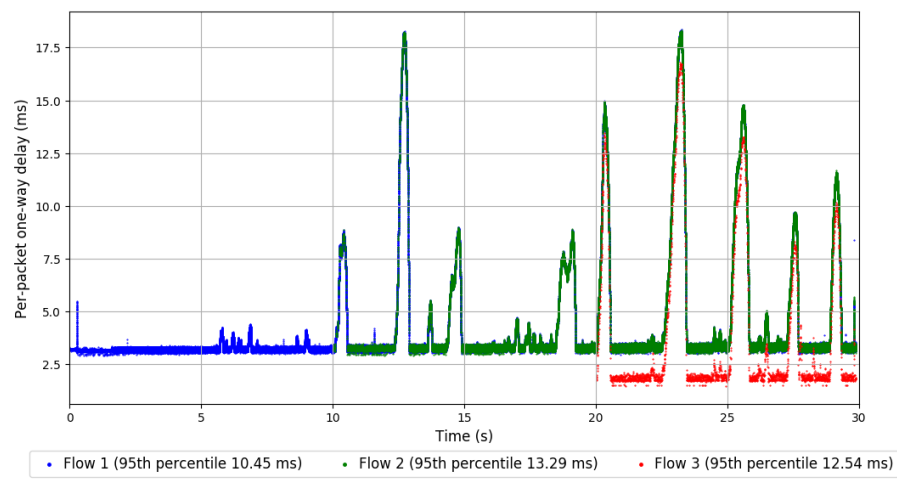
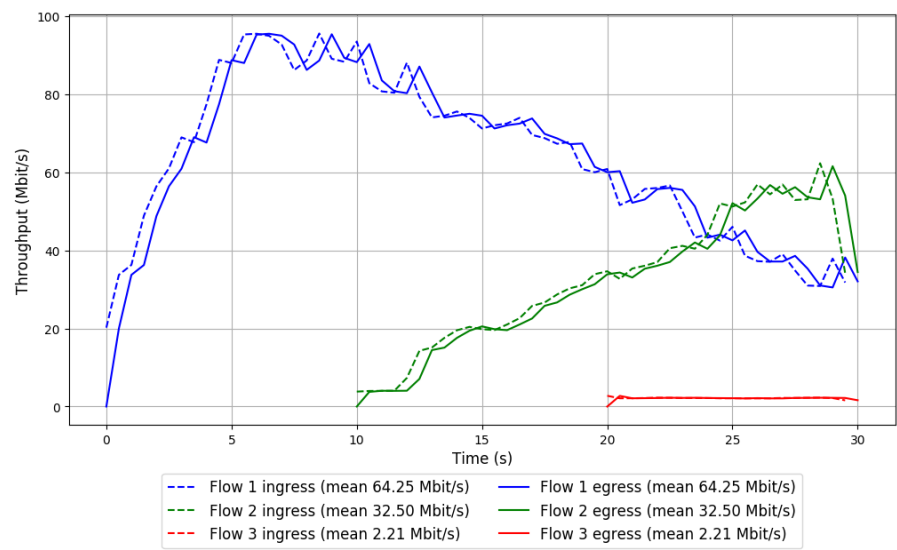


Run 4: Statistics of PCC-Allegro

Start at: 2018-05-30 16:42:42
End at: 2018-05-30 16:43:12
Local clock offset: -2.542 ms
Remote clock offset: -1.098 ms

Below is generated by plot.py at 2018-05-30 19:05:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.59 Mbit/s
95th percentile per-packet one-way delay: 11.706 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.25 Mbit/s
95th percentile per-packet one-way delay: 10.451 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.50 Mbit/s
95th percentile per-packet one-way delay: 13.295 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.21 Mbit/s
95th percentile per-packet one-way delay: 12.536 ms
Loss rate: 0.00%

Run 4: Report of PCC-Allegro — Data Link

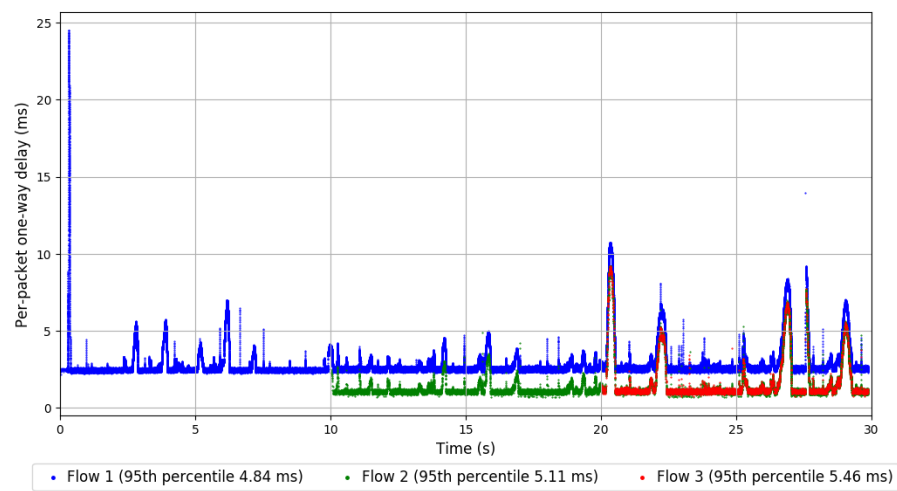
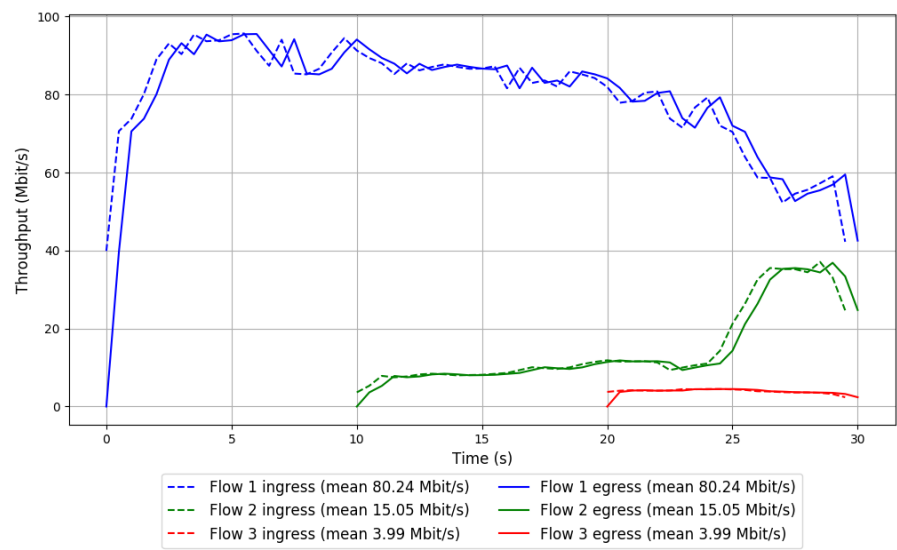


Run 5: Statistics of PCC-Allegro

Start at: 2018-05-30 17:02:07
End at: 2018-05-30 17:02:38
Local clock offset: -1.644 ms
Remote clock offset: -2.285 ms

Below is generated by plot.py at 2018-05-30 19:05:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.56 Mbit/s
95th percentile per-packet one-way delay: 4.912 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.24 Mbit/s
95th percentile per-packet one-way delay: 4.843 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.05 Mbit/s
95th percentile per-packet one-way delay: 5.108 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.99 Mbit/s
95th percentile per-packet one-way delay: 5.463 ms
Loss rate: 0.00%

Run 5: Report of PCC-Allegro — Data Link

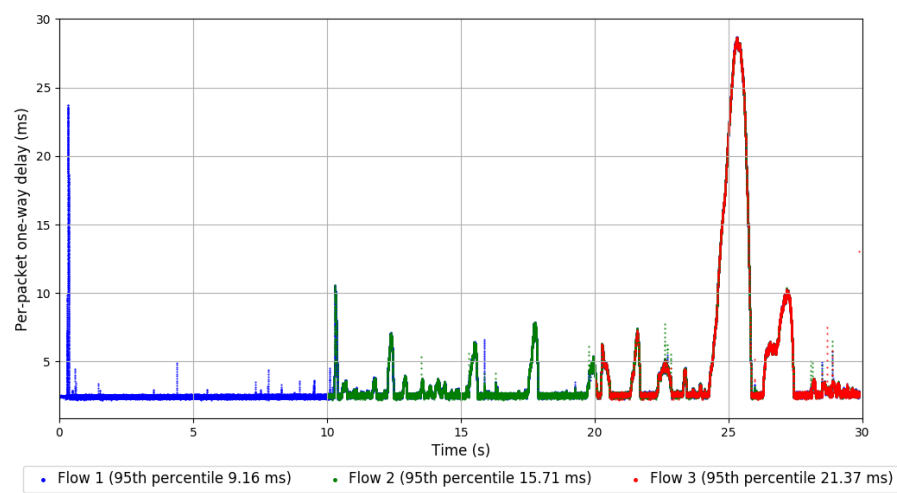
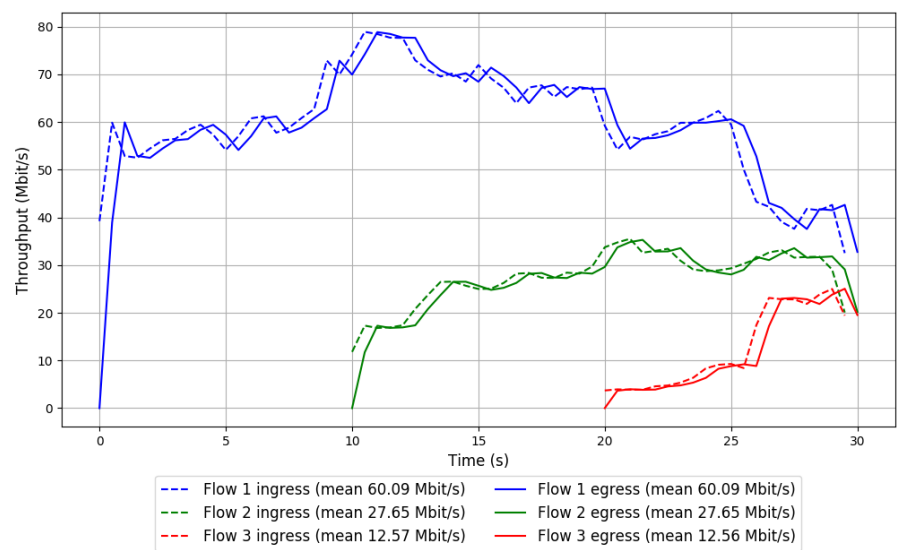


Run 6: Statistics of PCC-Allegro

Start at: 2018-05-30 17:20:22
End at: 2018-05-30 17:20:52
Local clock offset: -2.781 ms
Remote clock offset: -7.509 ms

Below is generated by plot.py at 2018-05-30 19:05:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.59 Mbit/s
95th percentile per-packet one-way delay: 10.101 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.09 Mbit/s
95th percentile per-packet one-way delay: 9.156 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 27.65 Mbit/s
95th percentile per-packet one-way delay: 15.708 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.56 Mbit/s
95th percentile per-packet one-way delay: 21.368 ms
Loss rate: 0.00%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-05-30 17:38:26

End at: 2018-05-30 17:38:56

Local clock offset: -3.103 ms

Remote clock offset: -10.009 ms

Below is generated by plot.py at 2018-05-30 19:05:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.57 Mbit/s

95th percentile per-packet one-way delay: 31.527 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 67.30 Mbit/s

95th percentile per-packet one-way delay: 28.923 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 26.71 Mbit/s

95th percentile per-packet one-way delay: 31.649 ms

Loss rate: 0.15%

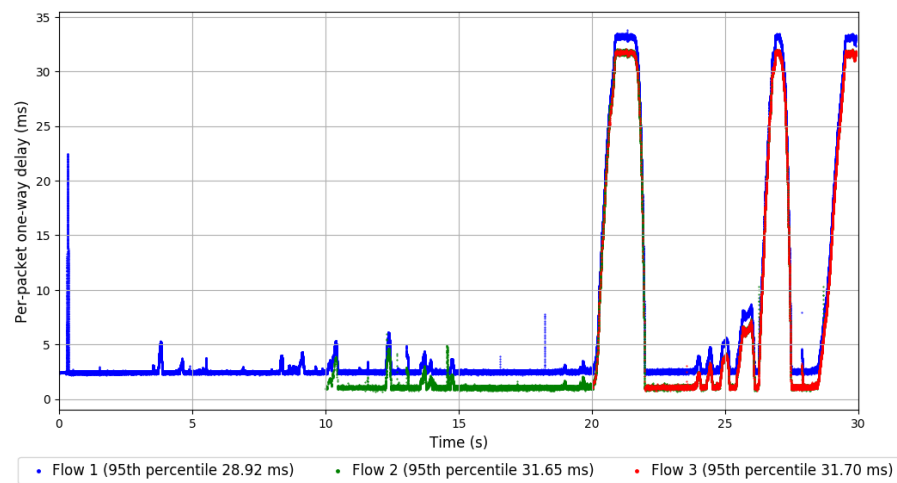
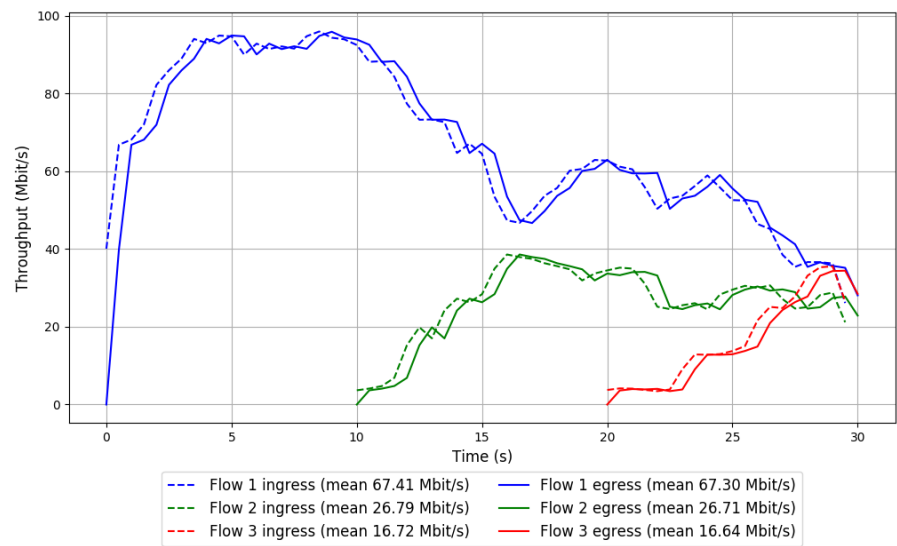
-- Flow 3:

Average throughput: 16.64 Mbit/s

95th percentile per-packet one-way delay: 31.699 ms

Loss rate: 0.19%

Run 7: Report of PCC-Allegro — Data Link

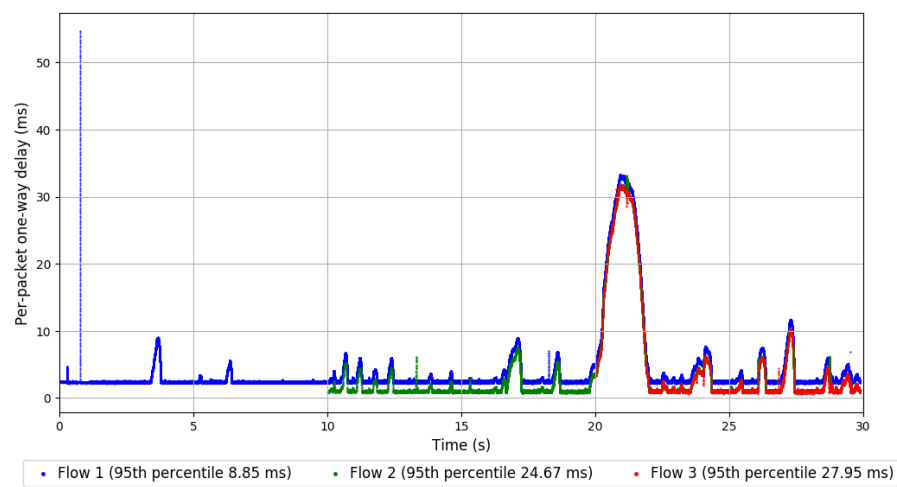
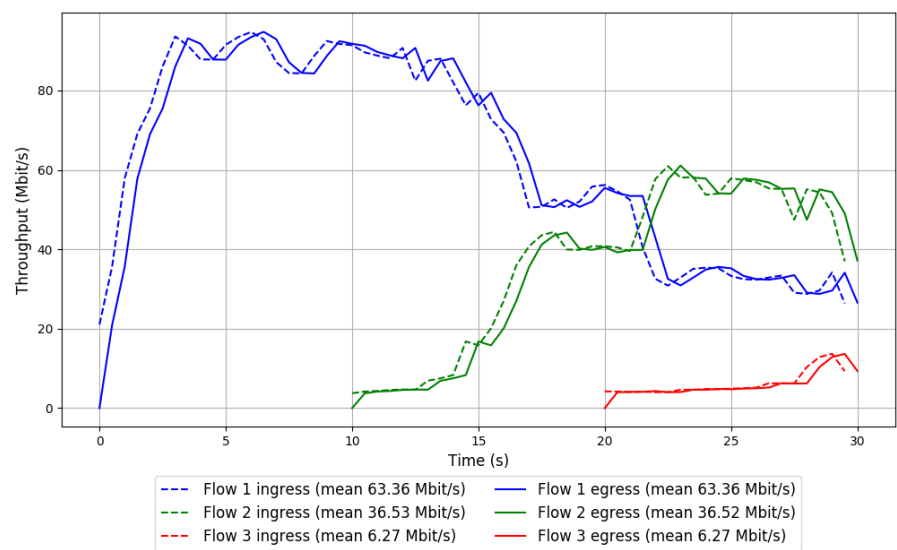


Run 8: Statistics of PCC-Allegro

Start at: 2018-05-30 17:56:35
End at: 2018-05-30 17:57:05
Local clock offset: -3.207 ms
Remote clock offset: -3.558 ms

Below is generated by plot.py at 2018-05-30 19:05:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.71 Mbit/s
95th percentile per-packet one-way delay: 17.136 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.36 Mbit/s
95th percentile per-packet one-way delay: 8.851 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.52 Mbit/s
95th percentile per-packet one-way delay: 24.674 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.27 Mbit/s
95th percentile per-packet one-way delay: 27.951 ms
Loss rate: 0.00%

Run 8: Report of PCC-Allegro — Data Link

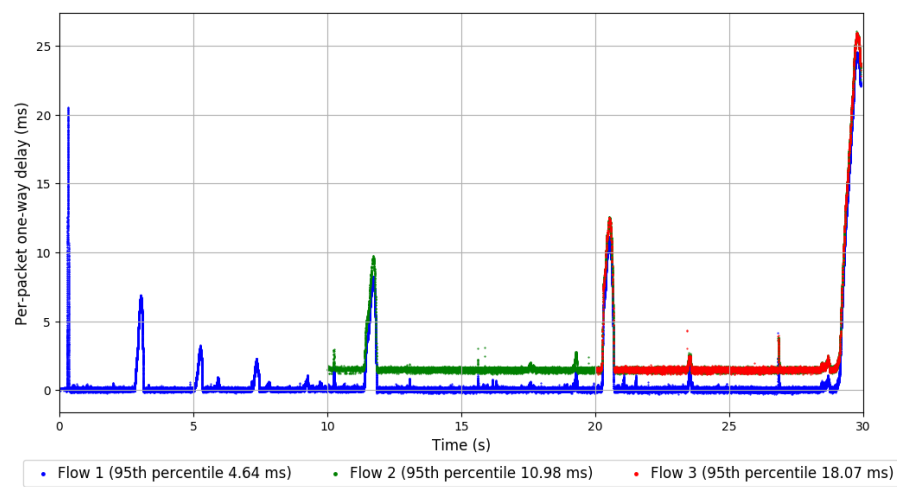
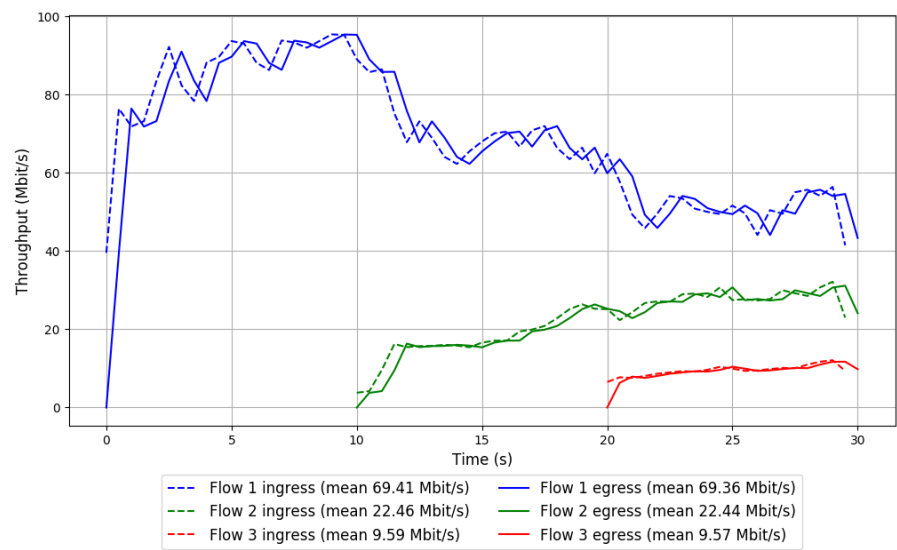


Run 9: Statistics of PCC-Allegro

Start at: 2018-05-30 18:14:39
End at: 2018-05-30 18:15:09
Local clock offset: -5.358 ms
Remote clock offset: -2.747 ms

Below is generated by plot.py at 2018-05-30 19:05:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.44 Mbit/s
95th percentile per-packet one-way delay: 6.285 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.36 Mbit/s
95th percentile per-packet one-way delay: 4.638 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 22.44 Mbit/s
95th percentile per-packet one-way delay: 10.977 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.57 Mbit/s
95th percentile per-packet one-way delay: 18.068 ms
Loss rate: 0.00%

Run 9: Report of PCC-Allegro — Data Link

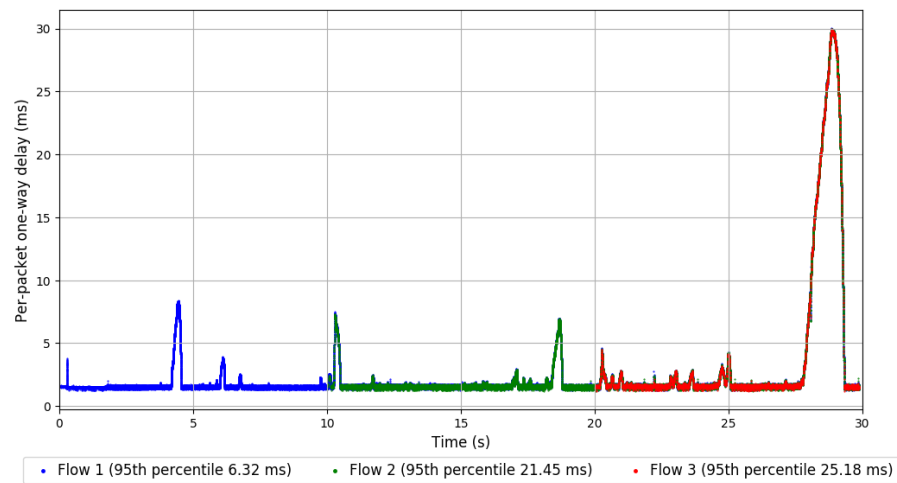
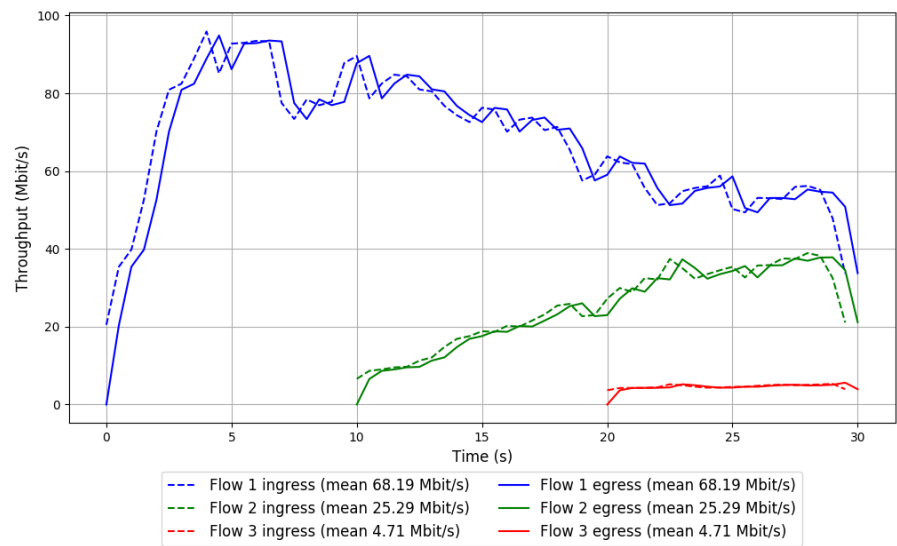


Run 10: Statistics of PCC-Allegro

Start at: 2018-05-30 18:32:43
End at: 2018-05-30 18:33:13
Local clock offset: -7.681 ms
Remote clock offset: -2.911 ms

Below is generated by plot.py at 2018-05-30 19:05:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.56 Mbit/s
95th percentile per-packet one-way delay: 8.040 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.19 Mbit/s
95th percentile per-packet one-way delay: 6.316 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 25.29 Mbit/s
95th percentile per-packet one-way delay: 21.455 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.71 Mbit/s
95th percentile per-packet one-way delay: 25.179 ms
Loss rate: 0.00%

Run 10: Report of PCC-Allegro — Data Link

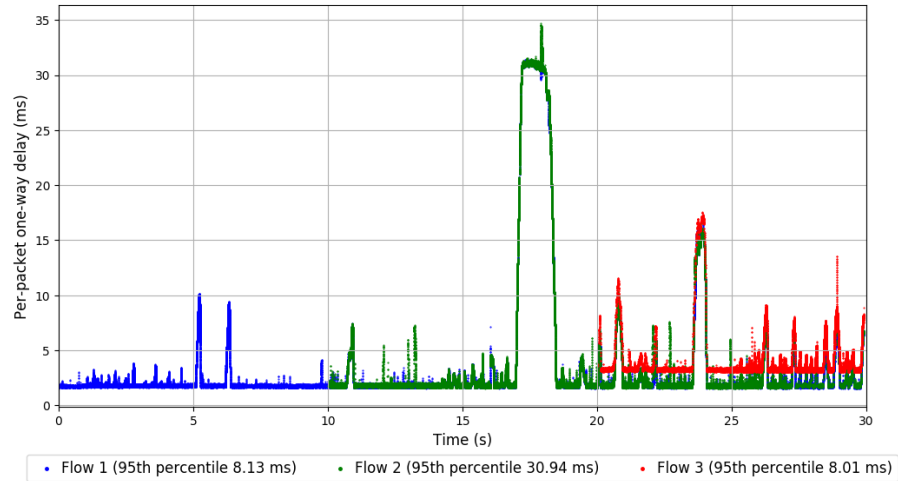
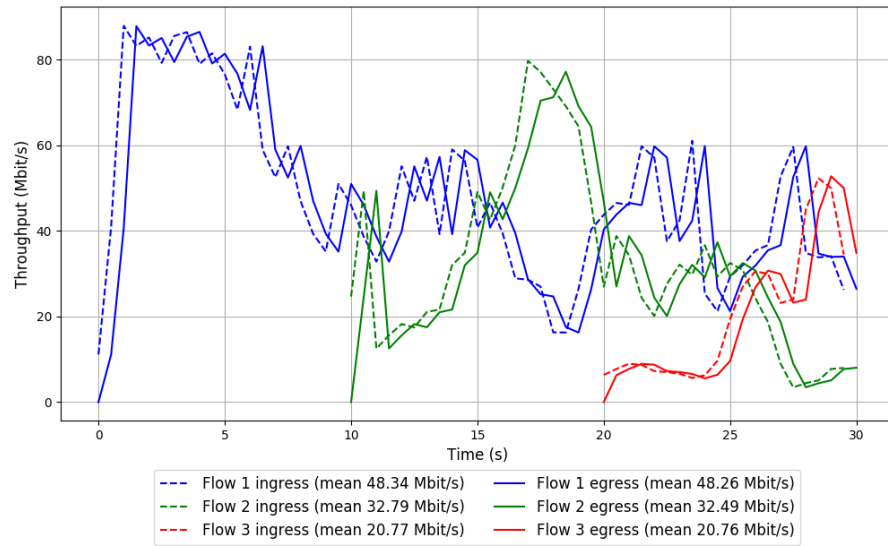


```
Run 1: Statistics of PCC-Expr

Start at: 2018-05-30 16:01:54
End at: 2018-05-30 16:02:24
Local clock offset: -1.817 ms
Remote clock offset: -0.046 ms

# Below is generated by plot.py at 2018-05-30 19:06:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.72 Mbit/s
95th percentile per-packet one-way delay: 15.653 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 48.26 Mbit/s
95th percentile per-packet one-way delay: 8.130 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 32.49 Mbit/s
95th percentile per-packet one-way delay: 30.941 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 20.76 Mbit/s
95th percentile per-packet one-way delay: 8.010 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Expr — Data Link

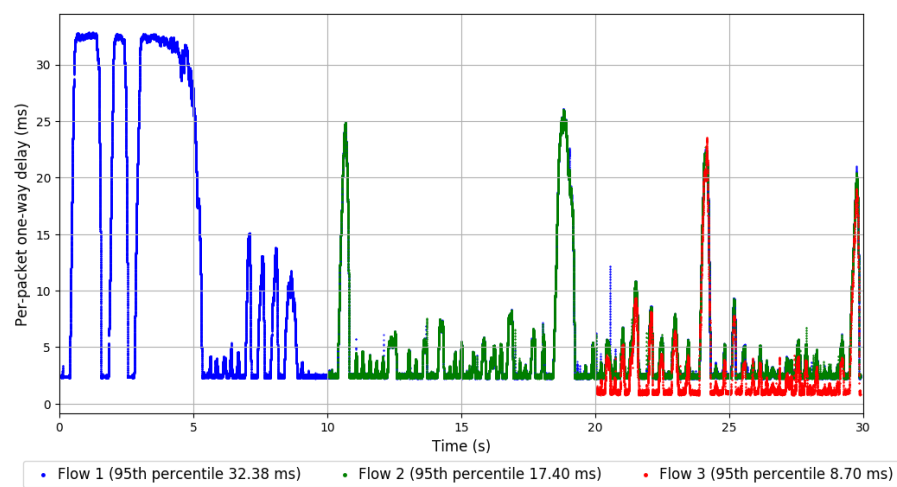
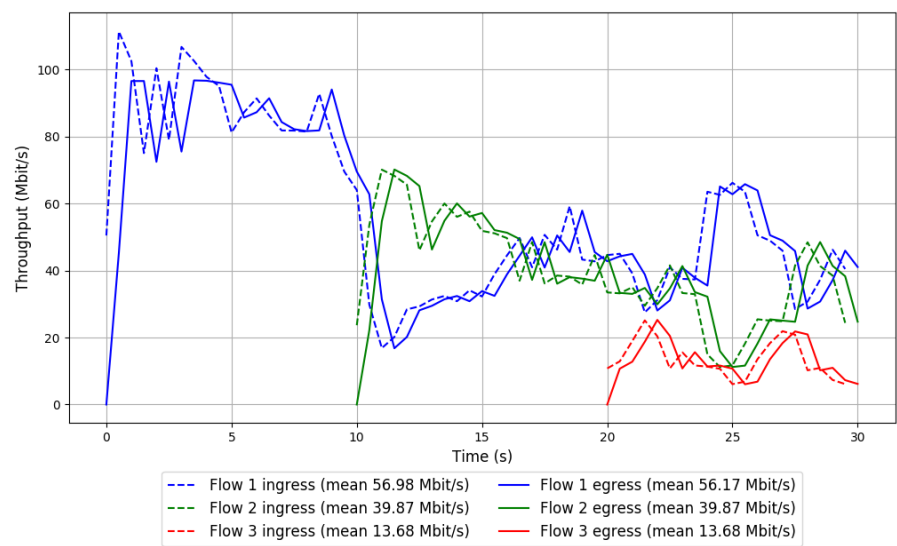


```
Run 2: Statistics of PCC-Expr

Start at: 2018-05-30 16:19:58
End at: 2018-05-30 16:20:28
Local clock offset: -1.645 ms
Remote clock offset: 1.89 ms

# Below is generated by plot.py at 2018-05-30 19:07:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.21 Mbit/s
95th percentile per-packet one-way delay: 32.139 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 56.17 Mbit/s
95th percentile per-packet one-way delay: 32.378 ms
Loss rate: 1.42%
-- Flow 2:
Average throughput: 39.87 Mbit/s
95th percentile per-packet one-way delay: 17.396 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 13.68 Mbit/s
95th percentile per-packet one-way delay: 8.700 ms
Loss rate: 0.00%
```

Run 2: Report of PCC-Expr — Data Link

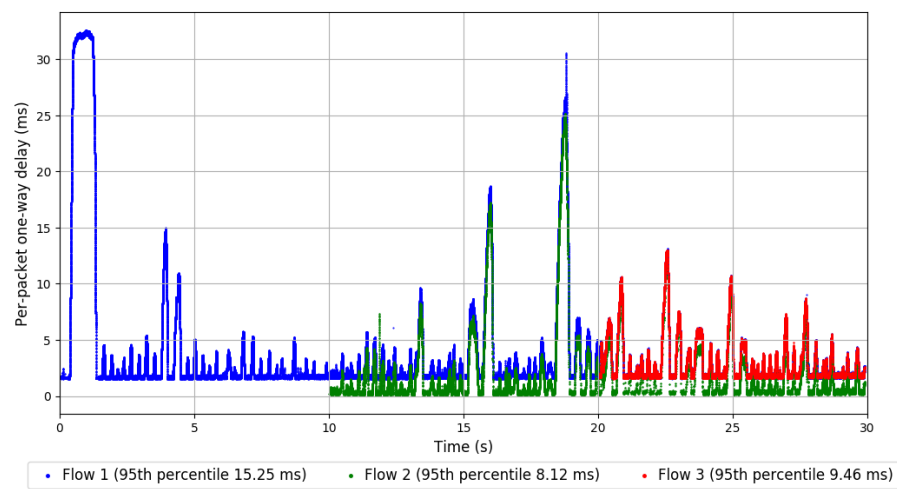
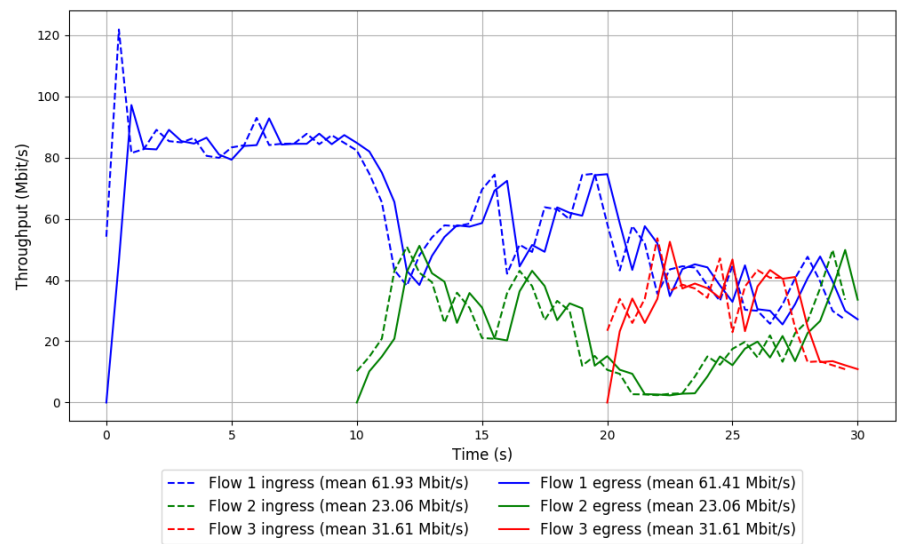


Run 3: Statistics of PCC-Expr

Start at: 2018-05-30 16:38:07
End at: 2018-05-30 16:38:37
Local clock offset: -0.887 ms
Remote clock offset: -0.209 ms

Below is generated by plot.py at 2018-05-30 19:07:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.19 Mbit/s
95th percentile per-packet one-way delay: 12.458 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 61.41 Mbit/s
95th percentile per-packet one-way delay: 15.250 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 23.06 Mbit/s
95th percentile per-packet one-way delay: 8.122 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.61 Mbit/s
95th percentile per-packet one-way delay: 9.456 ms
Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link

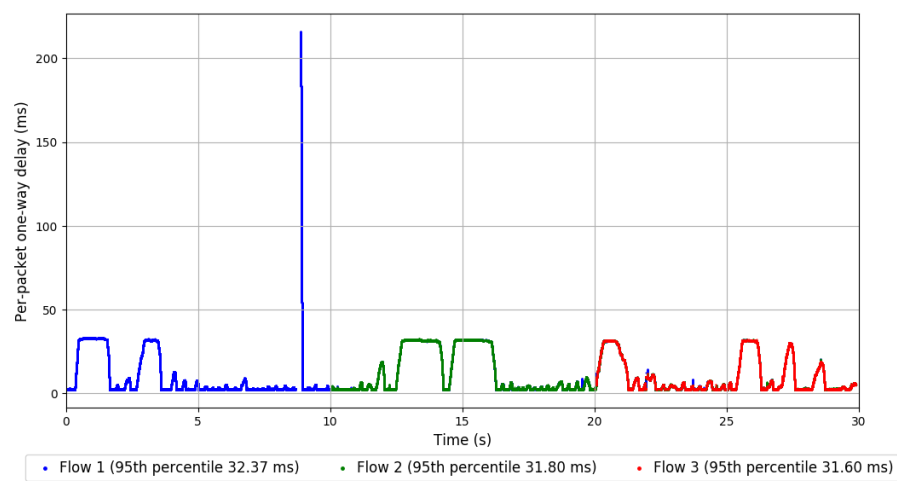
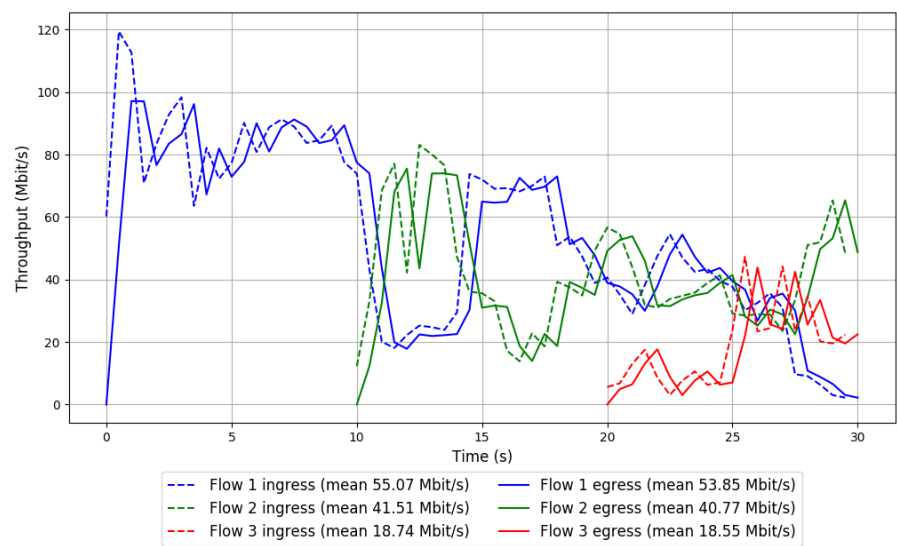


Run 4: Statistics of PCC-Expr

Start at: 2018-05-30 16:57:31
End at: 2018-05-30 16:58:01
Local clock offset: -1.684 ms
Remote clock offset: -2.184 ms

Below is generated by plot.py at 2018-05-30 19:07:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.09 Mbit/s
95th percentile per-packet one-way delay: 31.934 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 53.85 Mbit/s
95th percentile per-packet one-way delay: 32.367 ms
Loss rate: 2.20%
-- Flow 2:
Average throughput: 40.77 Mbit/s
95th percentile per-packet one-way delay: 31.801 ms
Loss rate: 1.77%
-- Flow 3:
Average throughput: 18.55 Mbit/s
95th percentile per-packet one-way delay: 31.598 ms
Loss rate: 1.01%

Run 4: Report of PCC-Expr — Data Link

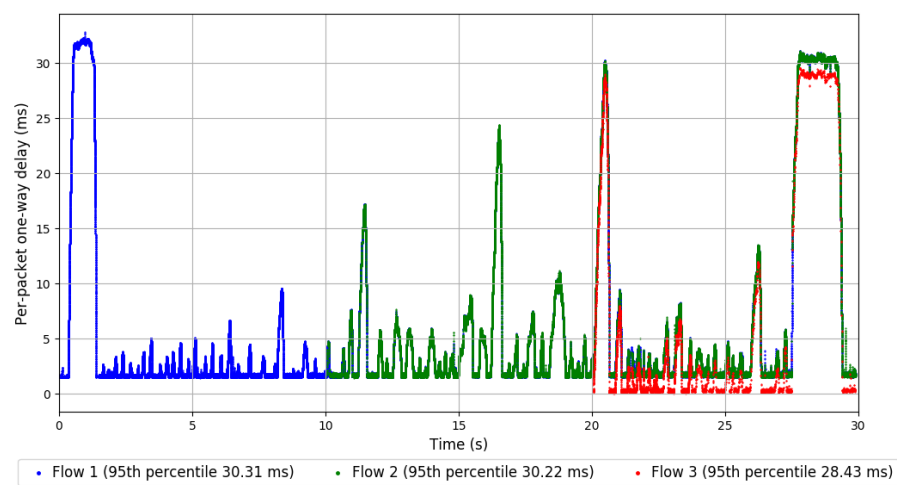
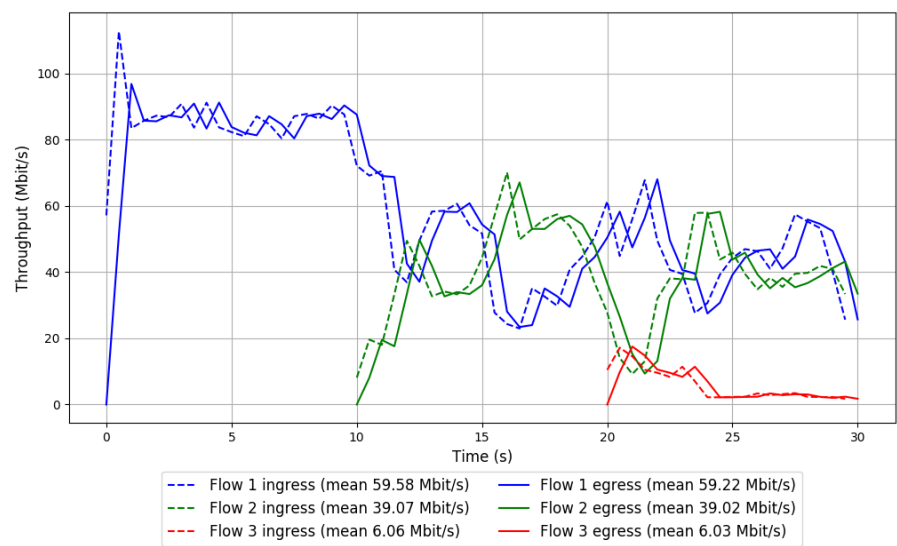


Run 5: Statistics of PCC-Expr

Start at: 2018-05-30 17:15:42
End at: 2018-05-30 17:16:12
Local clock offset: -1.768 ms
Remote clock offset: -6.608 ms

Below is generated by plot.py at 2018-05-30 19:07:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.15 Mbit/s
95th percentile per-packet one-way delay: 30.262 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 59.22 Mbit/s
95th percentile per-packet one-way delay: 30.310 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 39.02 Mbit/s
95th percentile per-packet one-way delay: 30.220 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 6.03 Mbit/s
95th percentile per-packet one-way delay: 28.426 ms
Loss rate: 0.47%

Run 5: Report of PCC-Expr — Data Link

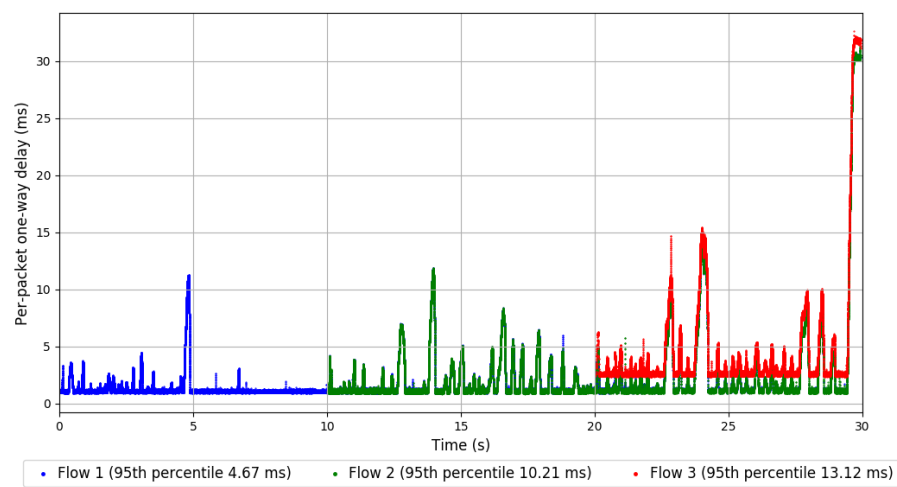
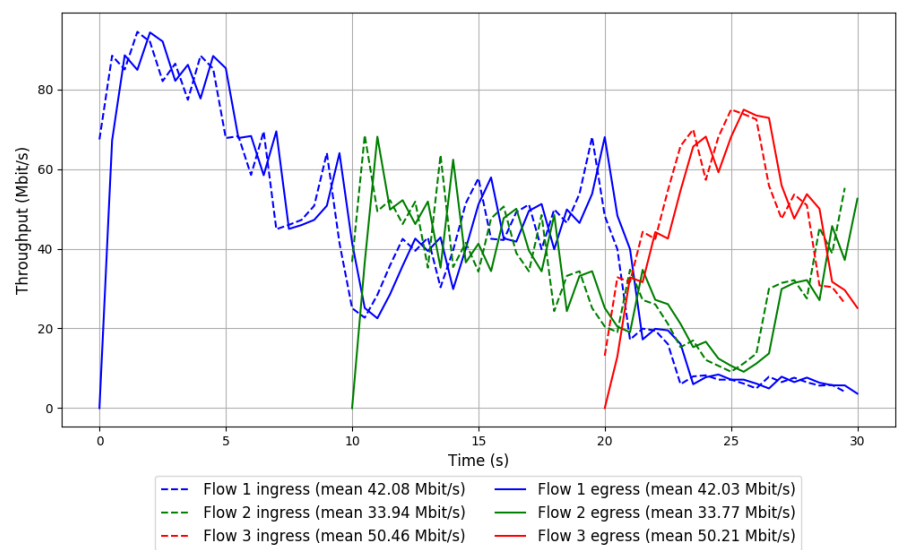


Run 6: Statistics of PCC-Expr

Start at: 2018-05-30 17:33:51
End at: 2018-05-30 17:34:21
Local clock offset: -3.057 ms
Remote clock offset: -9.445 ms

Below is generated by plot.py at 2018-05-30 19:07:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.12 Mbit/s
95th percentile per-packet one-way delay: 8.183 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 42.03 Mbit/s
95th percentile per-packet one-way delay: 4.669 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 33.77 Mbit/s
95th percentile per-packet one-way delay: 10.206 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 50.21 Mbit/s
95th percentile per-packet one-way delay: 13.122 ms
Loss rate: 0.21%

Run 6: Report of PCC-Expr — Data Link

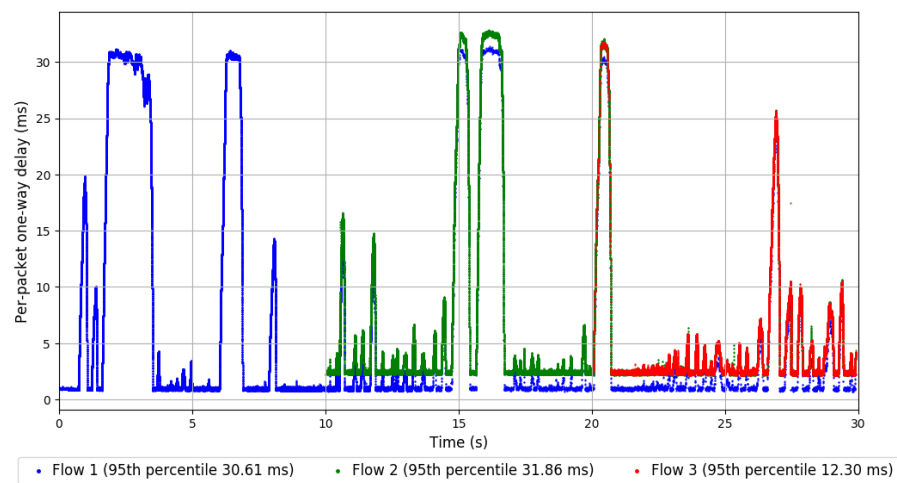
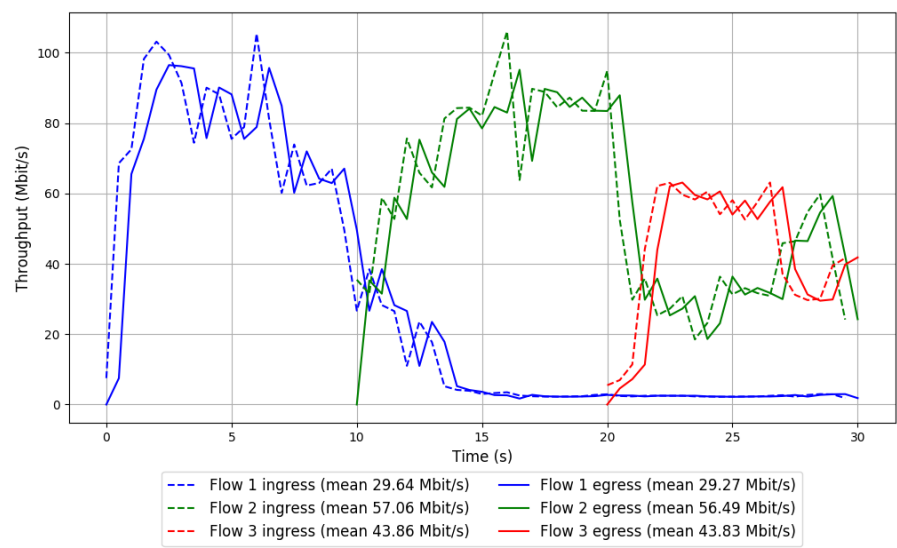


Run 7: Statistics of PCC-Expr

Start at: 2018-05-30 17:52:01
End at: 2018-05-30 17:52:31
Local clock offset: -3.19 ms
Remote clock offset: -4.261 ms

Below is generated by plot.py at 2018-05-30 19:07:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.31 Mbit/s
95th percentile per-packet one-way delay: 30.703 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 29.27 Mbit/s
95th percentile per-packet one-way delay: 30.607 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 56.49 Mbit/s
95th percentile per-packet one-way delay: 31.863 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 43.83 Mbit/s
95th percentile per-packet one-way delay: 12.296 ms
Loss rate: 0.07%

Run 7: Report of PCC-Expr — Data Link

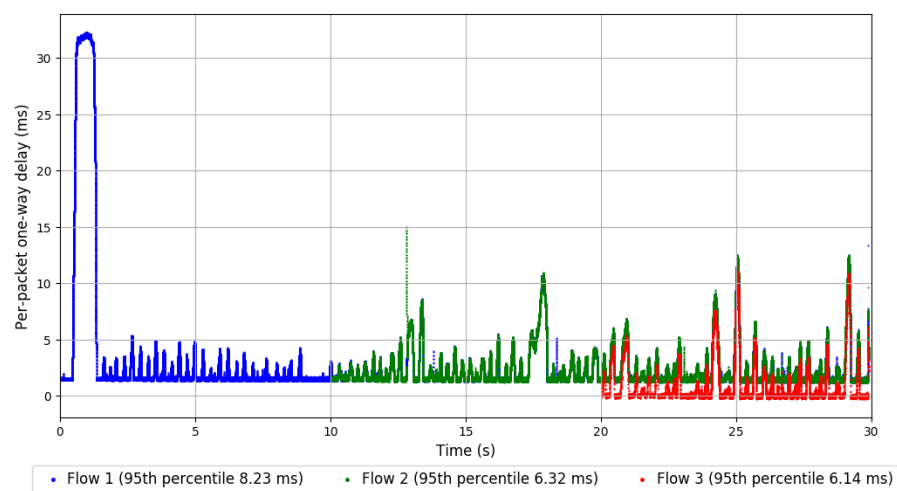
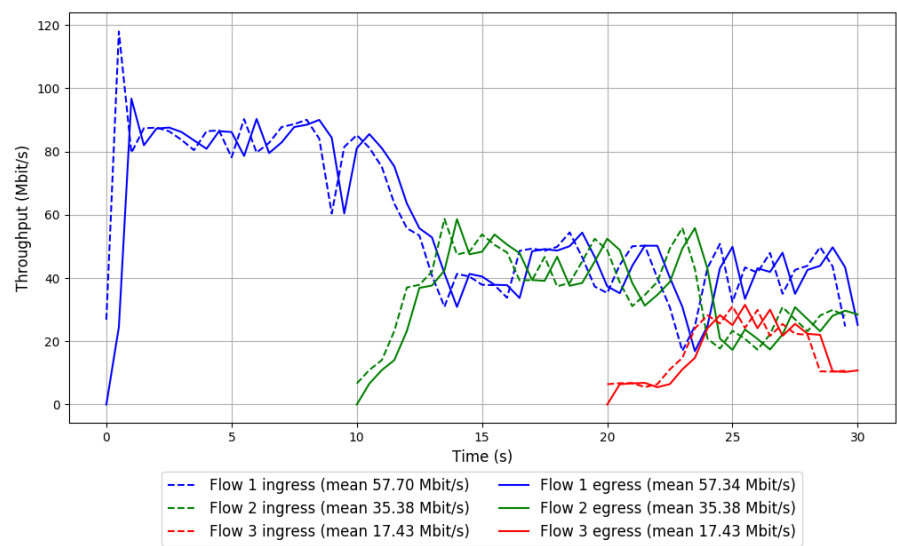


Run 8: Statistics of PCC-Expr

Start at: 2018-05-30 18:10:04
End at: 2018-05-30 18:10:34
Local clock offset: -4.112 ms
Remote clock offset: -2.789 ms

Below is generated by plot.py at 2018-05-30 19:07:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.63 Mbit/s
95th percentile per-packet one-way delay: 7.113 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 57.34 Mbit/s
95th percentile per-packet one-way delay: 8.233 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 35.38 Mbit/s
95th percentile per-packet one-way delay: 6.318 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 17.43 Mbit/s
95th percentile per-packet one-way delay: 6.144 ms
Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link

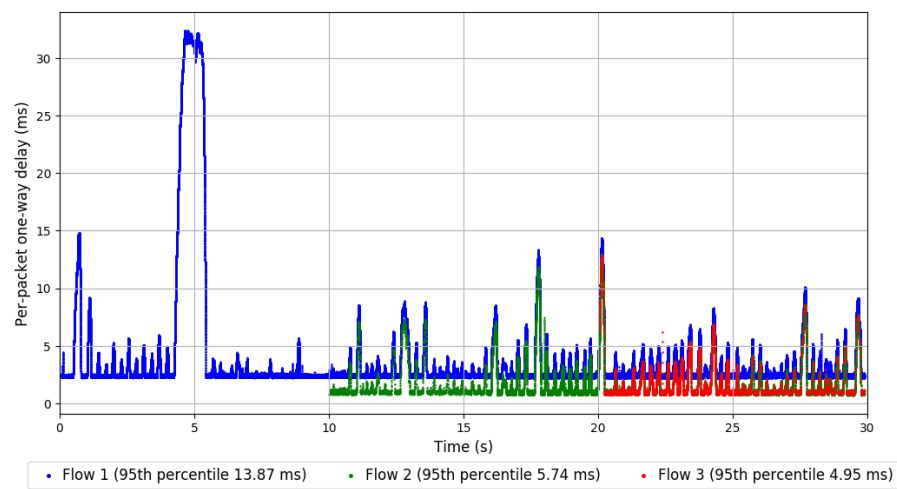
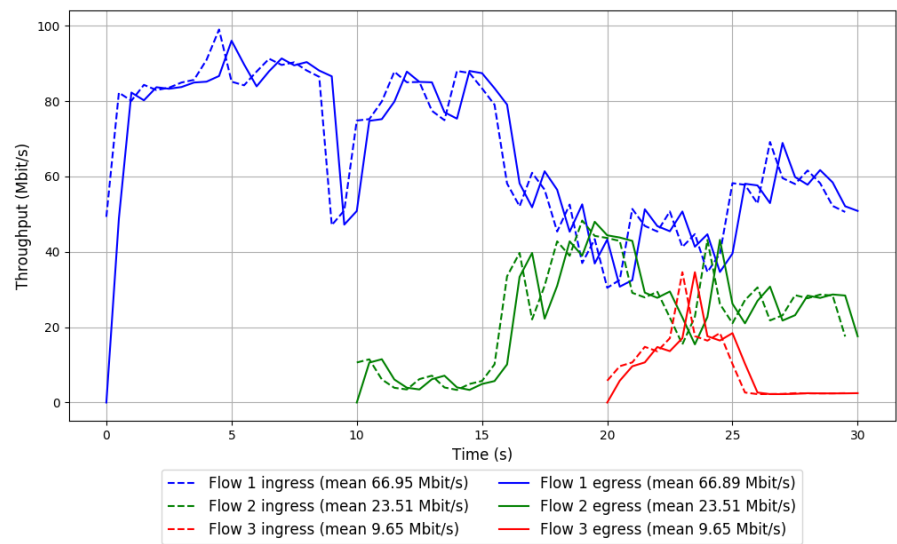


Run 9: Statistics of PCC-Expr

Start at: 2018-05-30 18:28:08
End at: 2018-05-30 18:28:39
Local clock offset: -8.063 ms
Remote clock offset: -2.827 ms

Below is generated by plot.py at 2018-05-30 19:09:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.72 Mbit/s
95th percentile per-packet one-way delay: 10.889 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 66.89 Mbit/s
95th percentile per-packet one-way delay: 13.872 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 23.51 Mbit/s
95th percentile per-packet one-way delay: 5.740 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.65 Mbit/s
95th percentile per-packet one-way delay: 4.947 ms
Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-05-30 18:46:13

End at: 2018-05-30 18:46:43

Local clock offset: -3.801 ms

Remote clock offset: -2.78 ms

Below is generated by plot.py at 2018-05-30 19:09:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.93 Mbit/s

95th percentile per-packet one-way delay: 9.948 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 38.91 Mbit/s

95th percentile per-packet one-way delay: 30.026 ms

Loss rate: 0.92%

-- Flow 2:

Average throughput: 41.66 Mbit/s

95th percentile per-packet one-way delay: 6.807 ms

Loss rate: 0.00%

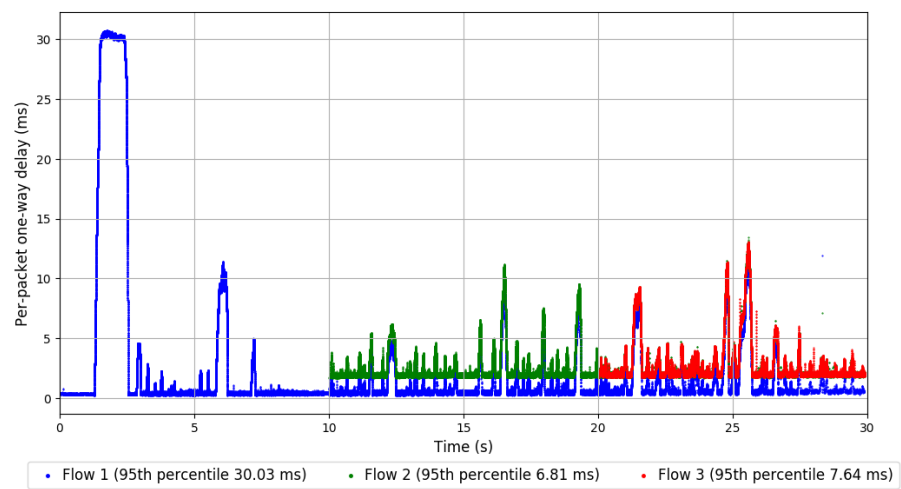
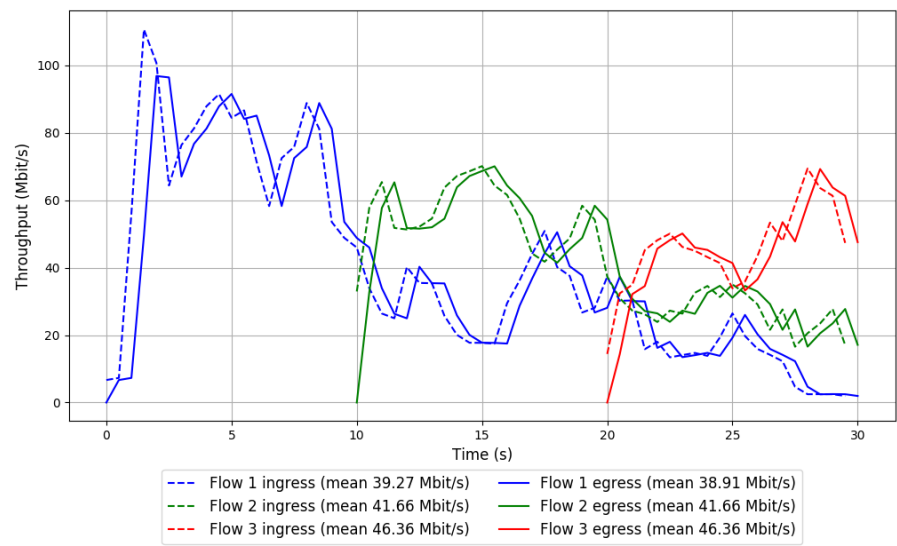
-- Flow 3:

Average throughput: 46.36 Mbit/s

95th percentile per-packet one-way delay: 7.642 ms

Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link

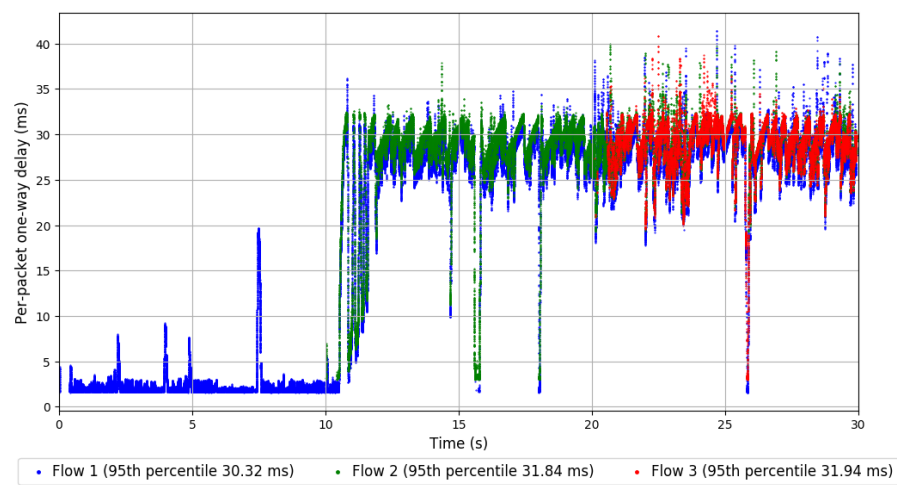
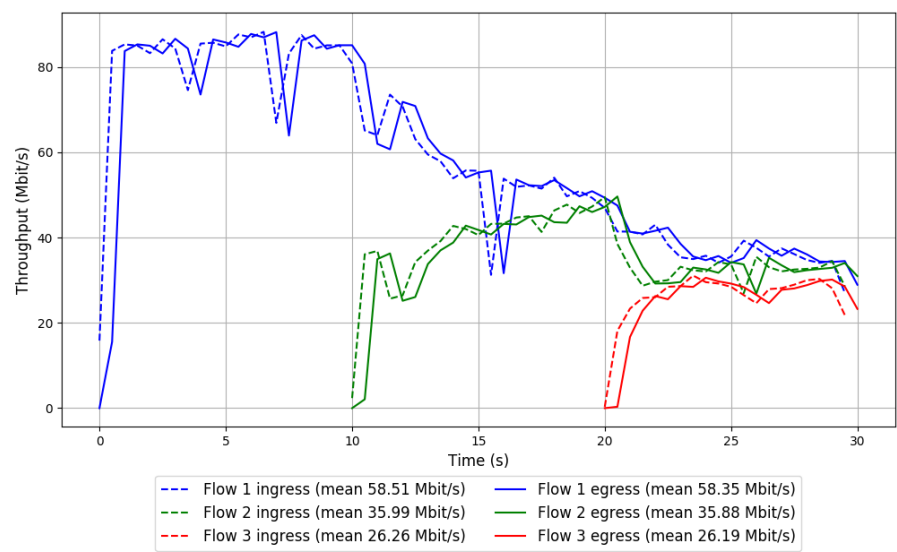


Run 1: Statistics of QUIC Cubic

Start at: 2018-05-30 15:58:34
End at: 2018-05-30 15:59:04
Local clock offset: -1.863 ms
Remote clock offset: -0.664 ms

Below is generated by plot.py at 2018-05-30 19:09:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.81 Mbit/s
95th percentile per-packet one-way delay: 31.424 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 58.35 Mbit/s
95th percentile per-packet one-way delay: 30.315 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 35.88 Mbit/s
95th percentile per-packet one-way delay: 31.838 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 26.19 Mbit/s
95th percentile per-packet one-way delay: 31.938 ms
Loss rate: 0.22%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-05-30 16:16:37

End at: 2018-05-30 16:17:07

Local clock offset: -1.666 ms

Remote clock offset: 1.541 ms

Below is generated by plot.py at 2018-05-30 19:09:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.73 Mbit/s

95th percentile per-packet one-way delay: 31.231 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 56.76 Mbit/s

95th percentile per-packet one-way delay: 31.137 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 34.13 Mbit/s

95th percentile per-packet one-way delay: 31.343 ms

Loss rate: 0.17%

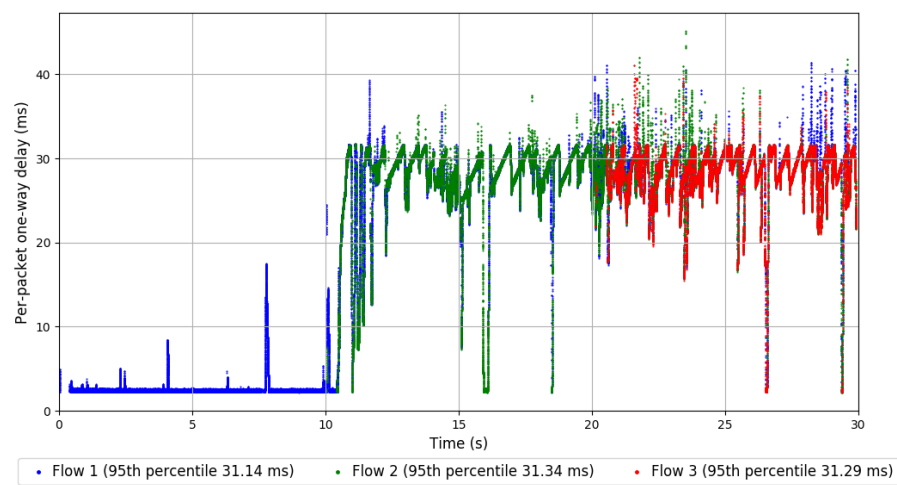
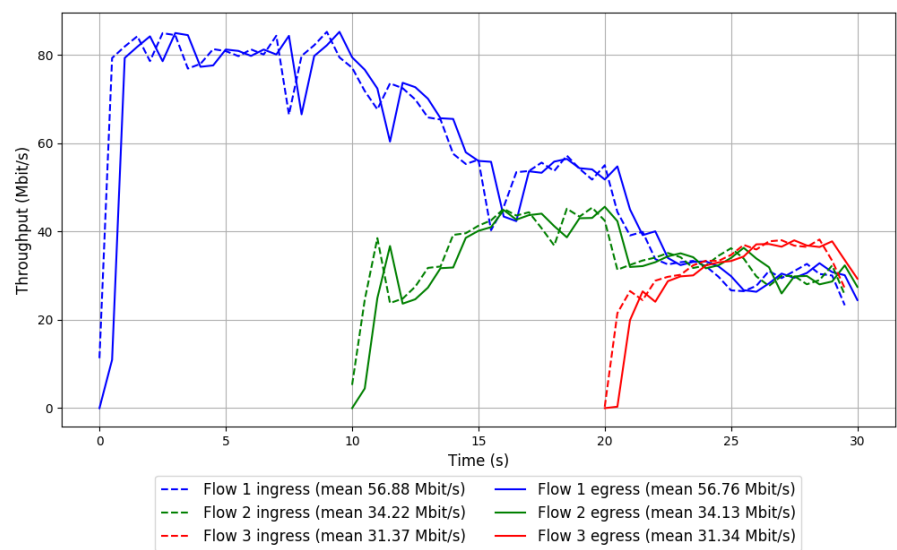
-- Flow 3:

Average throughput: 31.34 Mbit/s

95th percentile per-packet one-way delay: 31.289 ms

Loss rate: 0.15%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-05-30 16:34:47

End at: 2018-05-30 16:35:17

Local clock offset: -1.632 ms

Remote clock offset: 0.759 ms

Below is generated by plot.py at 2018-05-30 19:09:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.73 Mbit/s

95th percentile per-packet one-way delay: 31.425 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 57.53 Mbit/s

95th percentile per-packet one-way delay: 31.307 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 33.67 Mbit/s

95th percentile per-packet one-way delay: 31.506 ms

Loss rate: 0.17%

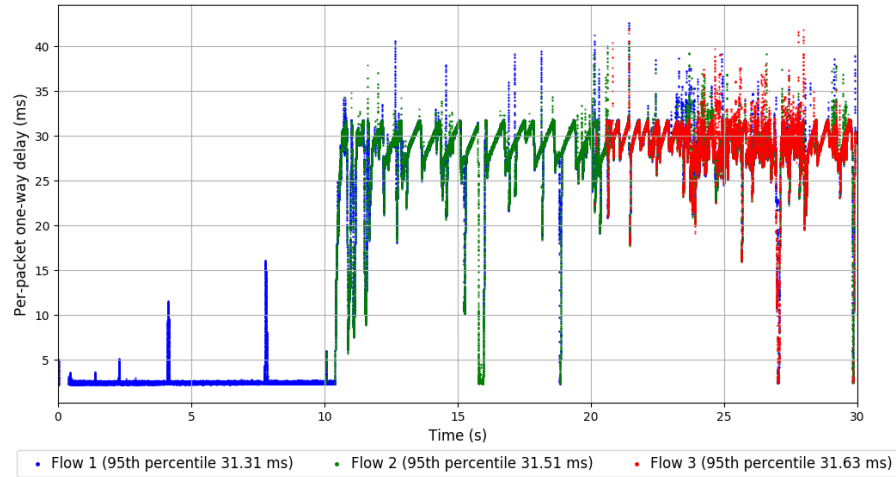
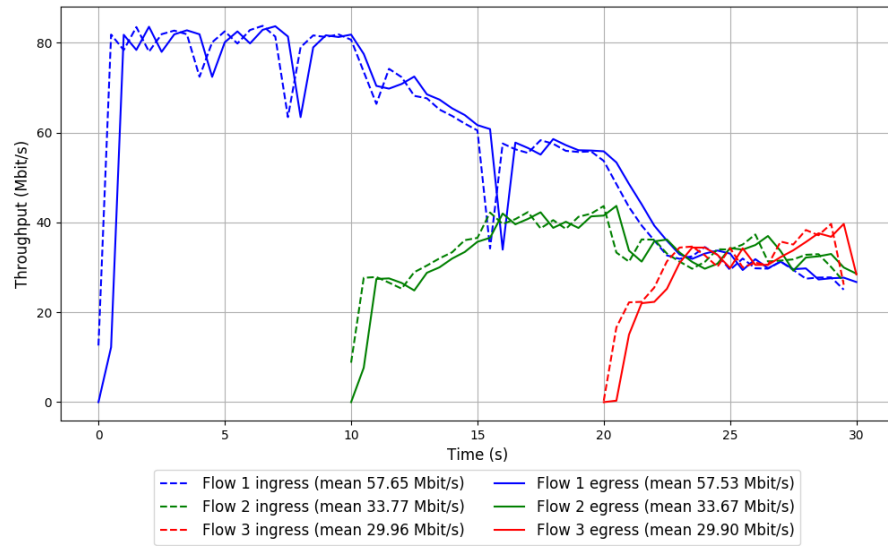
-- Flow 3:

Average throughput: 29.90 Mbit/s

95th percentile per-packet one-way delay: 31.627 ms

Loss rate: 0.20%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-05-30 16:54:01

End at: 2018-05-30 16:54:31

Local clock offset: -2.556 ms

Remote clock offset: -2.07 ms

Below is generated by plot.py at 2018-05-30 19:09:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.56 Mbit/s

95th percentile per-packet one-way delay: 30.826 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 57.14 Mbit/s

95th percentile per-packet one-way delay: 30.501 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 36.57 Mbit/s

95th percentile per-packet one-way delay: 30.734 ms

Loss rate: 0.16%

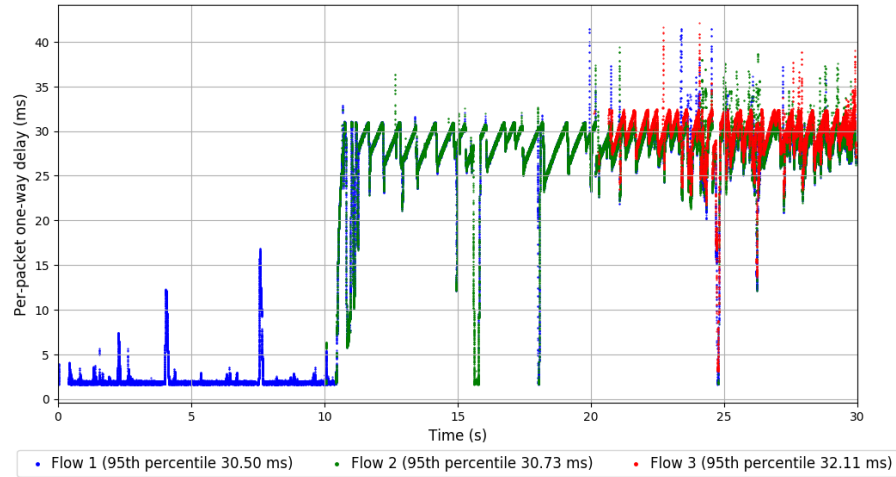
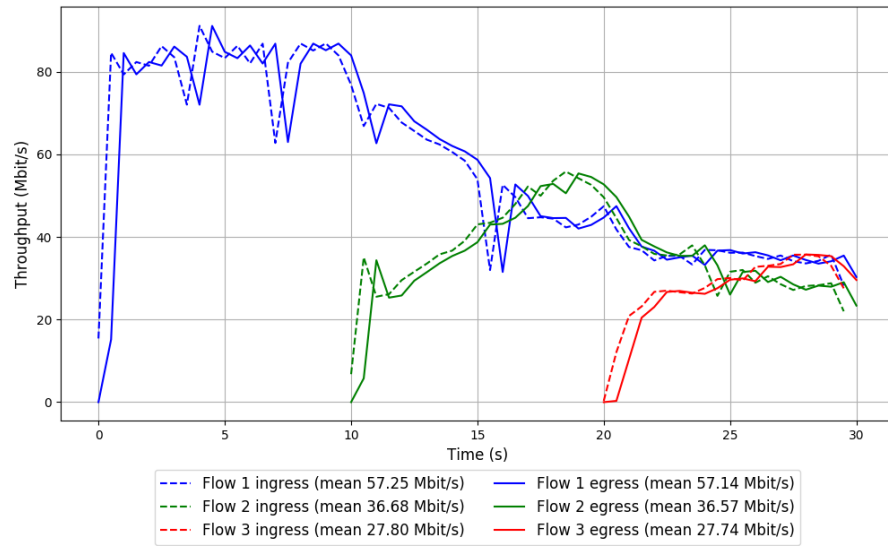
-- Flow 3:

Average throughput: 27.74 Mbit/s

95th percentile per-packet one-way delay: 32.111 ms

Loss rate: 0.25%

Run 4: Report of QUIC Cubic — Data Link

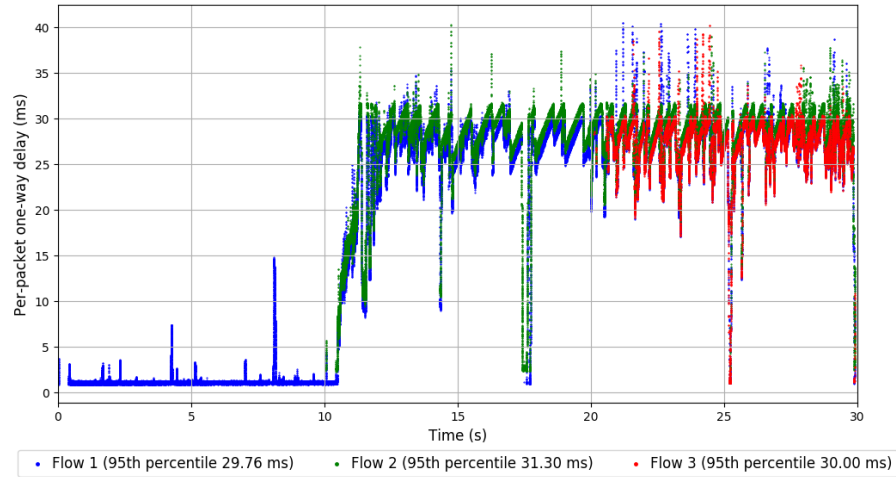
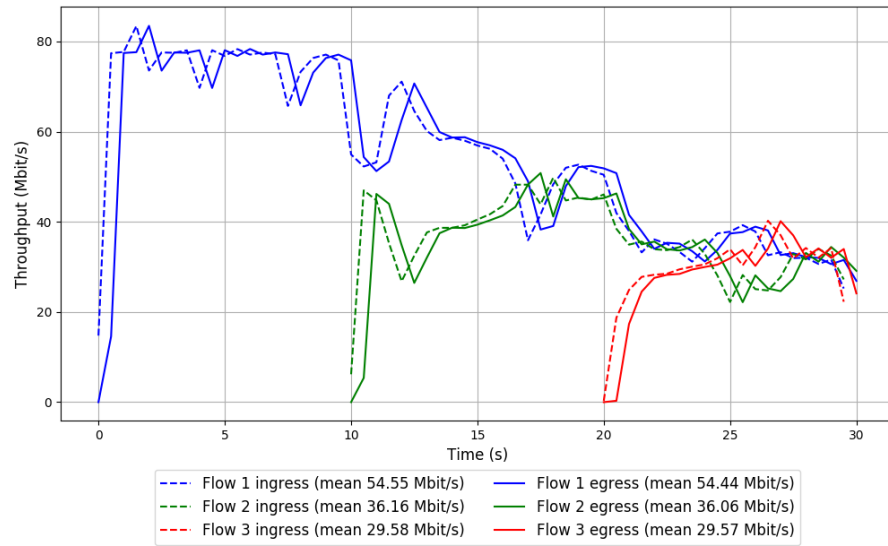


Run 5: Statistics of QUIC Cubic

Start at: 2018-05-30 17:12:22
End at: 2018-05-30 17:12:52
Local clock offset: -2.311 ms
Remote clock offset: -5.611 ms

Below is generated by plot.py at 2018-05-30 19:09:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.11 Mbit/s
95th percentile per-packet one-way delay: 30.758 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 54.44 Mbit/s
95th percentile per-packet one-way delay: 29.761 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 36.06 Mbit/s
95th percentile per-packet one-way delay: 31.297 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 29.57 Mbit/s
95th percentile per-packet one-way delay: 29.997 ms
Loss rate: 0.20%

Run 5: Report of QUIC Cubic — Data Link

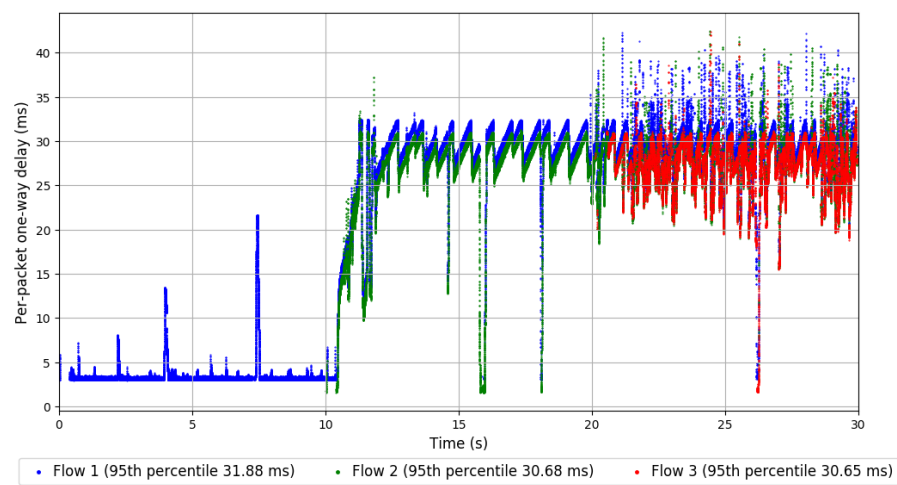
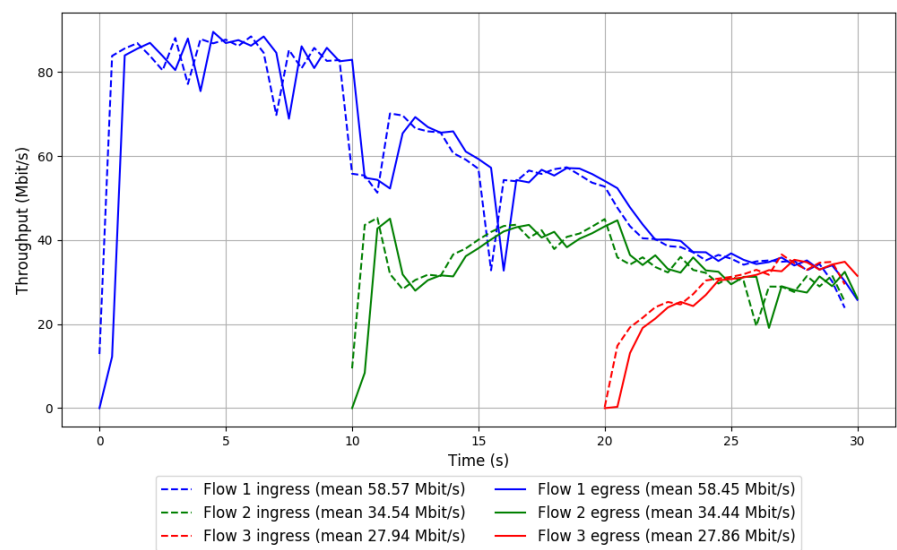


Run 6: Statistics of QUIC Cubic

Start at: 2018-05-30 17:30:31
End at: 2018-05-30 17:31:01
Local clock offset: -3.781 ms
Remote clock offset: -9.106 ms

Below is generated by plot.py at 2018-05-30 19:09:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.51 Mbit/s
95th percentile per-packet one-way delay: 31.704 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 58.45 Mbit/s
95th percentile per-packet one-way delay: 31.875 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 34.44 Mbit/s
95th percentile per-packet one-way delay: 30.684 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 27.86 Mbit/s
95th percentile per-packet one-way delay: 30.649 ms
Loss rate: 0.30%

Run 6: Report of QUIC Cubic — Data Link

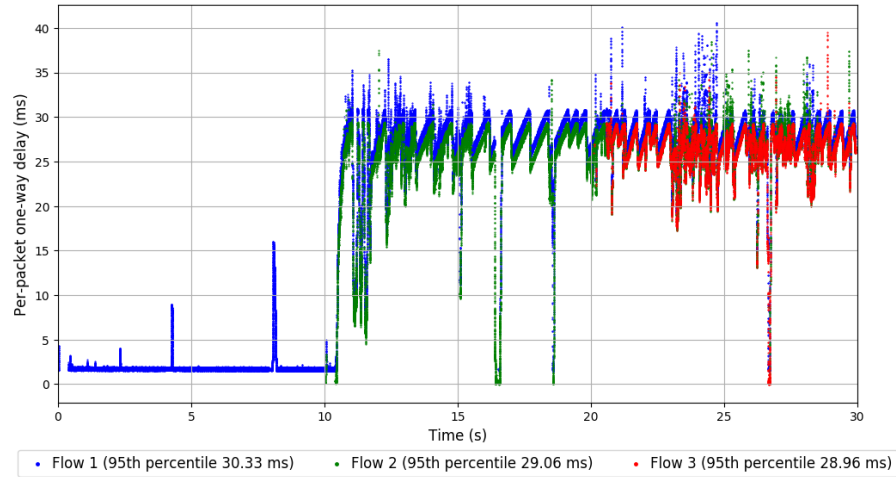
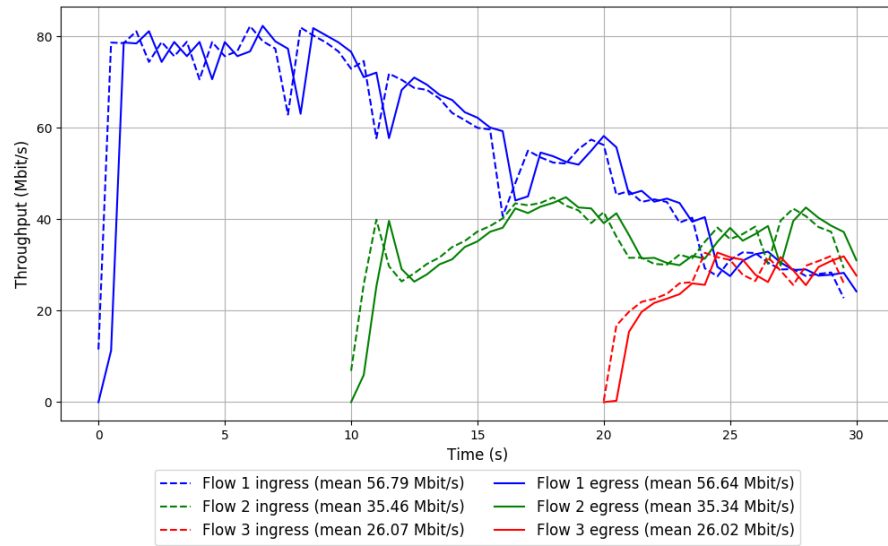


Run 7: Statistics of QUIC Cubic

Start at: 2018-05-30 17:48:40
End at: 2018-05-30 17:49:10
Local clock offset: -2.46 ms
Remote clock offset: -5.038 ms

Below is generated by plot.py at 2018-05-30 19:09:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.69 Mbit/s
95th percentile per-packet one-way delay: 30.148 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 56.64 Mbit/s
95th percentile per-packet one-way delay: 30.333 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 35.34 Mbit/s
95th percentile per-packet one-way delay: 29.063 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 26.02 Mbit/s
95th percentile per-packet one-way delay: 28.959 ms
Loss rate: 0.21%

Run 7: Report of QUIC Cubic — Data Link

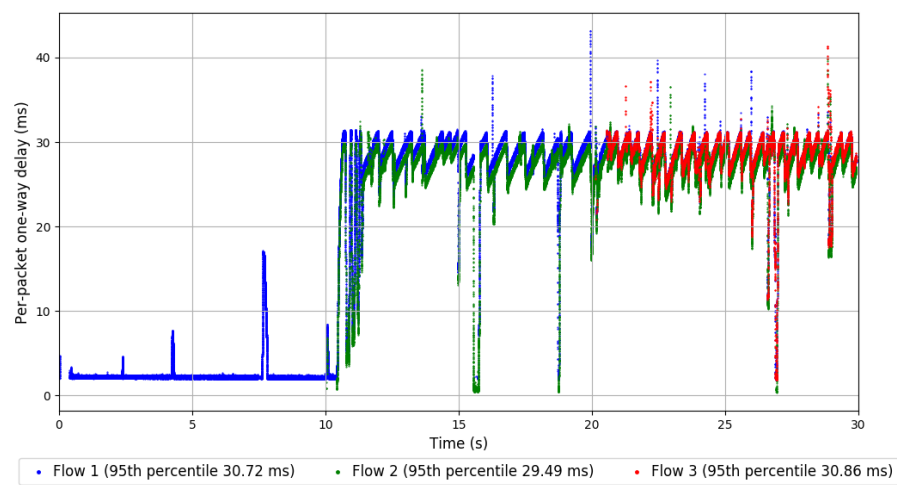
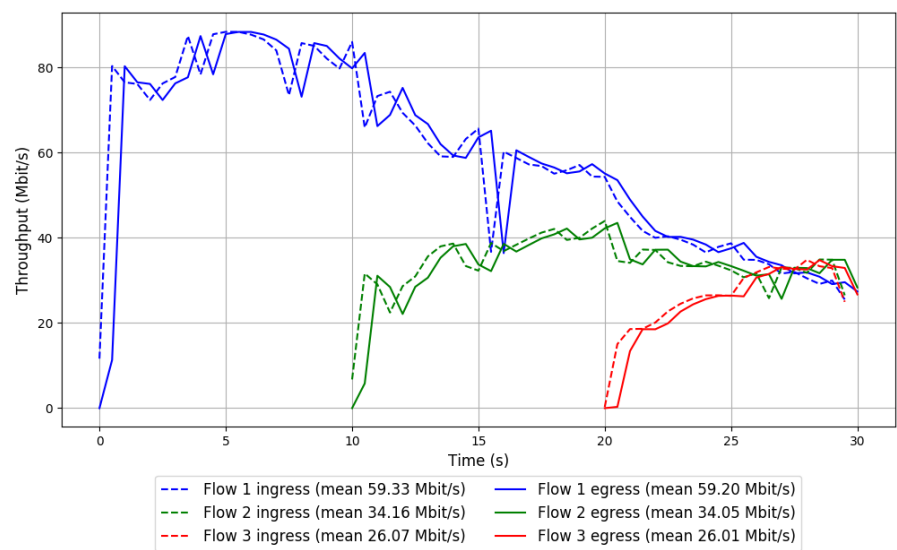


Run 8: Statistics of QUIC Cubic

Start at: 2018-05-30 18:06:43
End at: 2018-05-30 18:07:13
Local clock offset: -3.53 ms
Remote clock offset: -2.918 ms

Below is generated by plot.py at 2018-05-30 19:09:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.38 Mbit/s
95th percentile per-packet one-way delay: 30.660 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 59.20 Mbit/s
95th percentile per-packet one-way delay: 30.718 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 34.05 Mbit/s
95th percentile per-packet one-way delay: 29.493 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 26.01 Mbit/s
95th percentile per-packet one-way delay: 30.856 ms
Loss rate: 0.23%

Run 8: Report of QUIC Cubic — Data Link

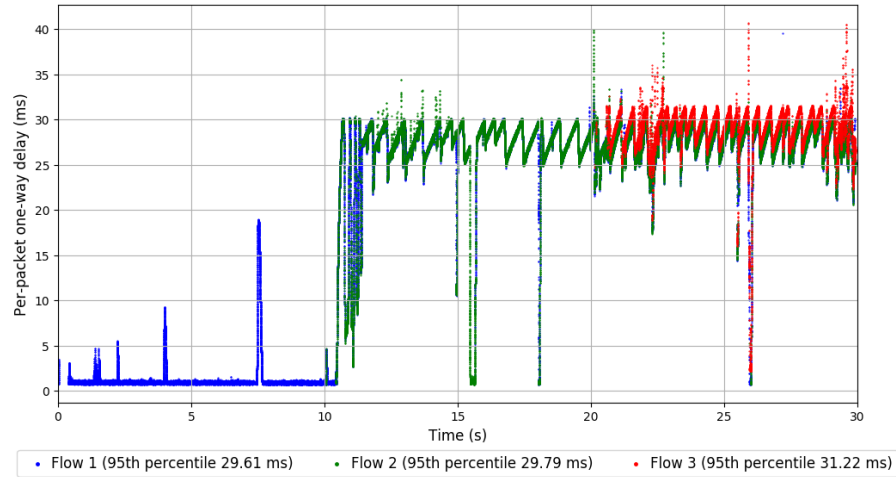
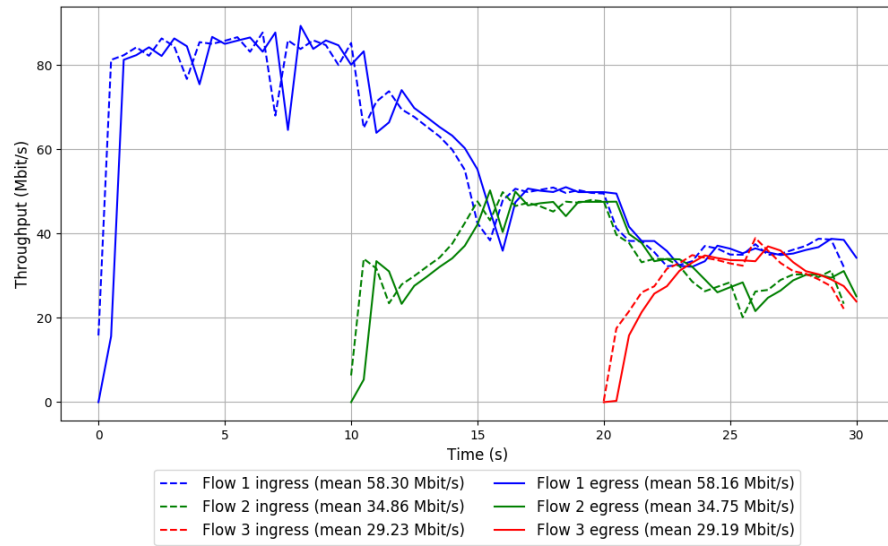


Run 9: Statistics of QUIC Cubic

Start at: 2018-05-30 18:24:48
End at: 2018-05-30 18:25:18
Local clock offset: -7.694 ms
Remote clock offset: -2.794 ms

Below is generated by plot.py at 2018-05-30 19:09:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.83 Mbit/s
95th percentile per-packet one-way delay: 29.934 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 58.16 Mbit/s
95th percentile per-packet one-way delay: 29.609 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 34.75 Mbit/s
95th percentile per-packet one-way delay: 29.787 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 29.19 Mbit/s
95th percentile per-packet one-way delay: 31.222 ms
Loss rate: 0.18%

Run 9: Report of QUIC Cubic — Data Link

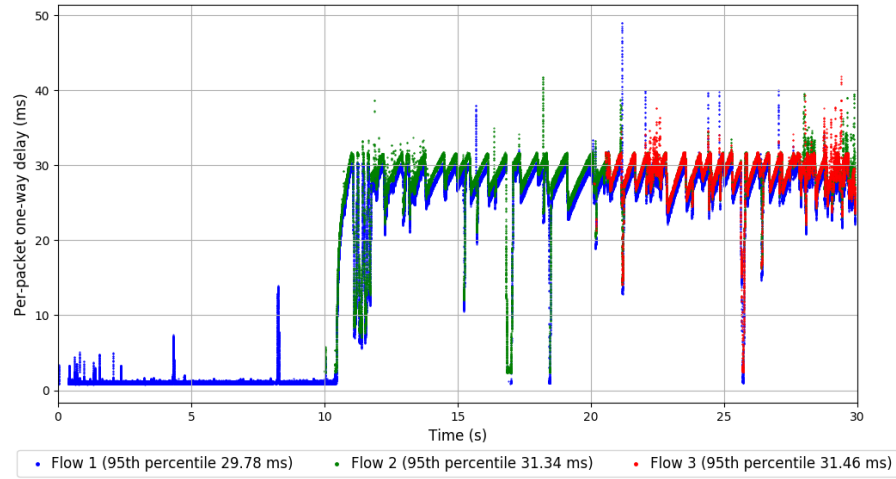
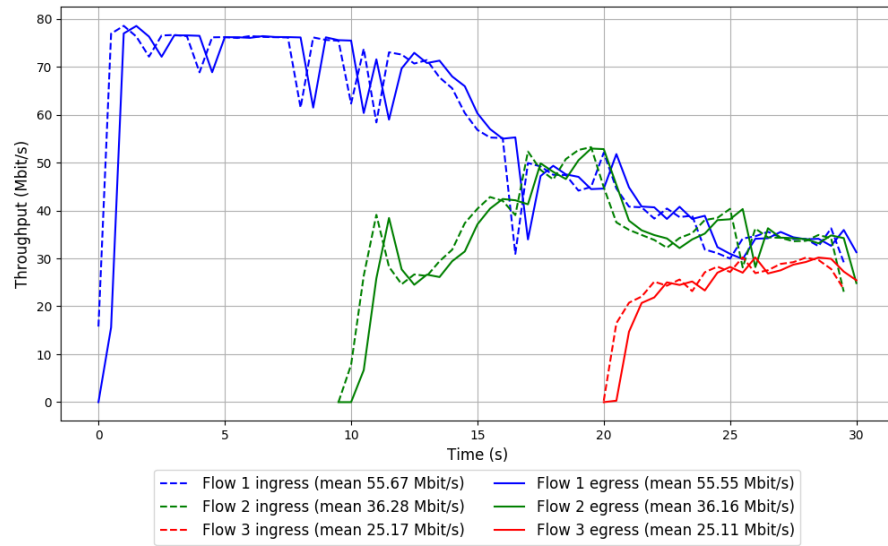


Run 10: Statistics of QUIC Cubic

Start at: 2018-05-30 18:42:53
End at: 2018-05-30 18:43:23
Local clock offset: -5.491 ms
Remote clock offset: -2.958 ms

Below is generated by plot.py at 2018-05-30 19:09:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.86 Mbit/s
95th percentile per-packet one-way delay: 31.032 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 55.55 Mbit/s
95th percentile per-packet one-way delay: 29.780 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 36.16 Mbit/s
95th percentile per-packet one-way delay: 31.335 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 25.11 Mbit/s
95th percentile per-packet one-way delay: 31.462 ms
Loss rate: 0.24%

Run 10: Report of QUIC Cubic — Data Link

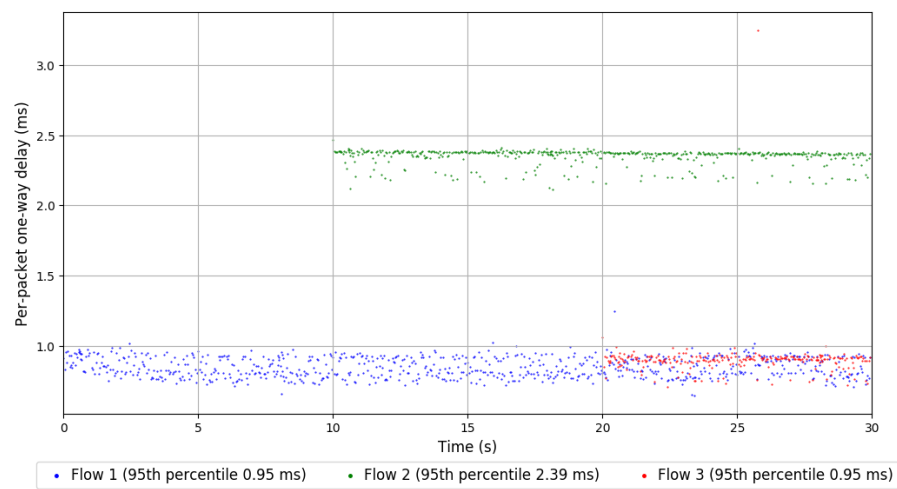
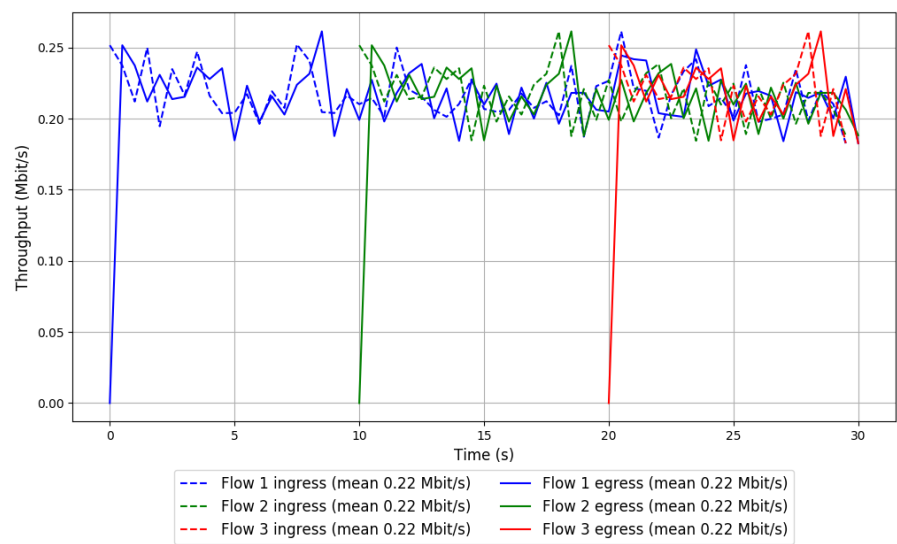


Run 1: Statistics of SReAM

Start at: 2018-05-30 15:50:38
End at: 2018-05-30 15:51:08
Local clock offset: -1.199 ms
Remote clock offset: -1.509 ms

Below is generated by plot.py at 2018-05-30 19:09:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.383 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.951 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.390 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.948 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

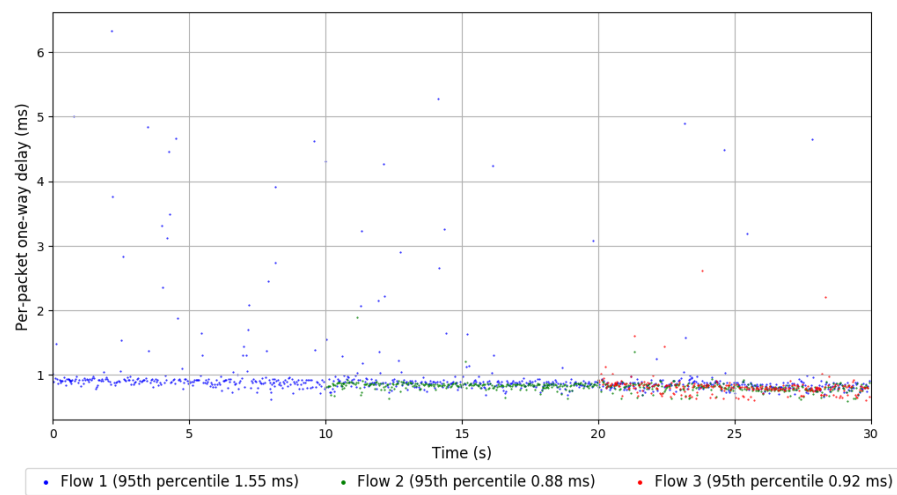
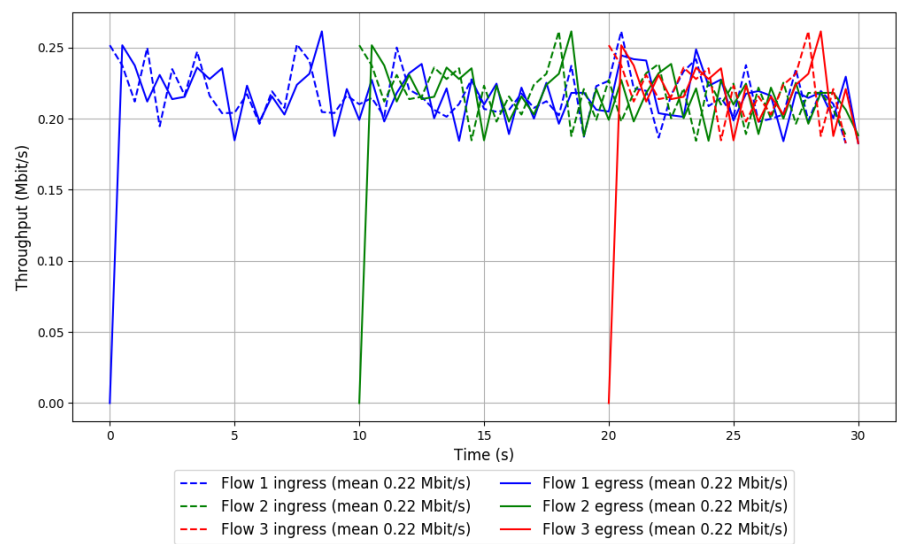


```
Run 2: Statistics of SReAM

Start at: 2018-05-30 16:08:42
End at: 2018-05-30 16:09:12
Local clock offset: -1.209 ms
Remote clock offset: 0.812 ms

# Below is generated by plot.py at 2018-05-30 19:09:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.015 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.550 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.882 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.923 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2018-05-30 16:26:46

End at: 2018-05-30 16:27:16

Local clock offset: -0.987 ms

Remote clock offset: 2.348 ms

Below is generated by plot.py at 2018-05-30 19:09:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 1.766 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 0.399 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.781 ms

Loss rate: 0.00%

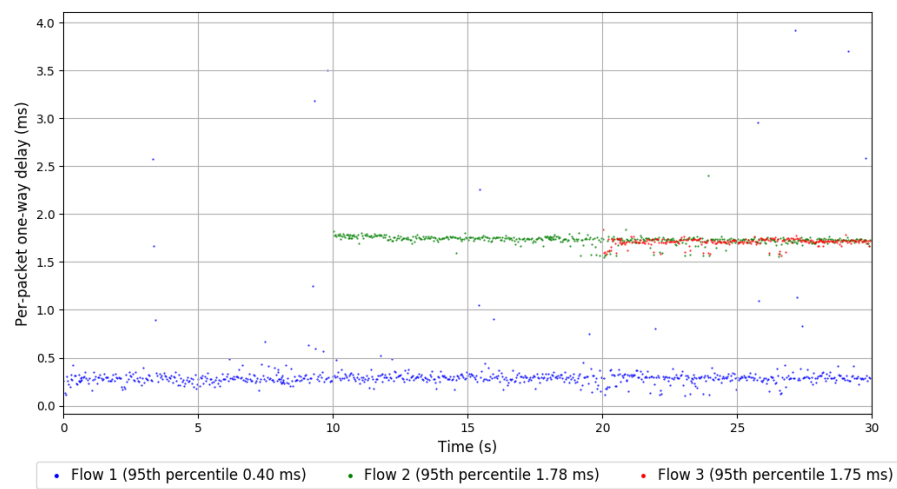
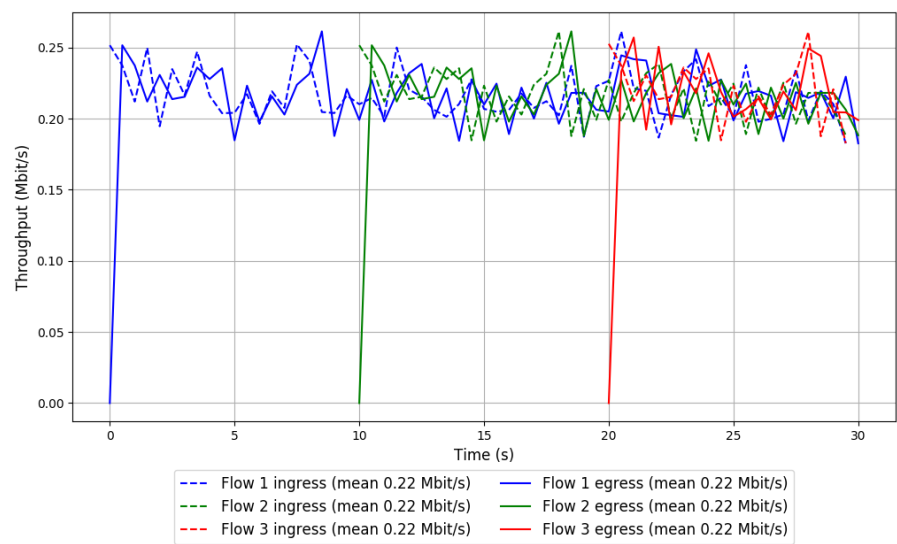
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.749 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-05-30 16:45:41

End at: 2018-05-30 16:46:11

Local clock offset: -0.944 ms

Below is generated by plot.py at 2018-05-30 19:09:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 2.171 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 0.773 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 0.752 ms

Loss rate: 0.00%

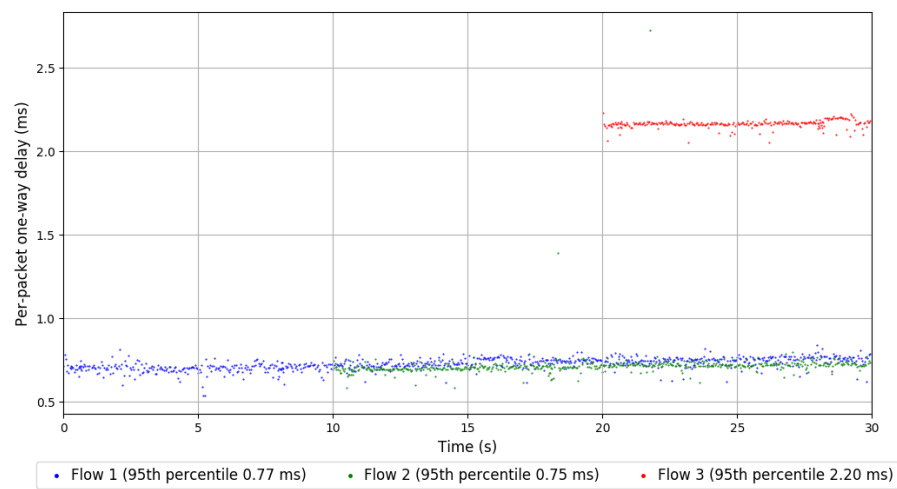
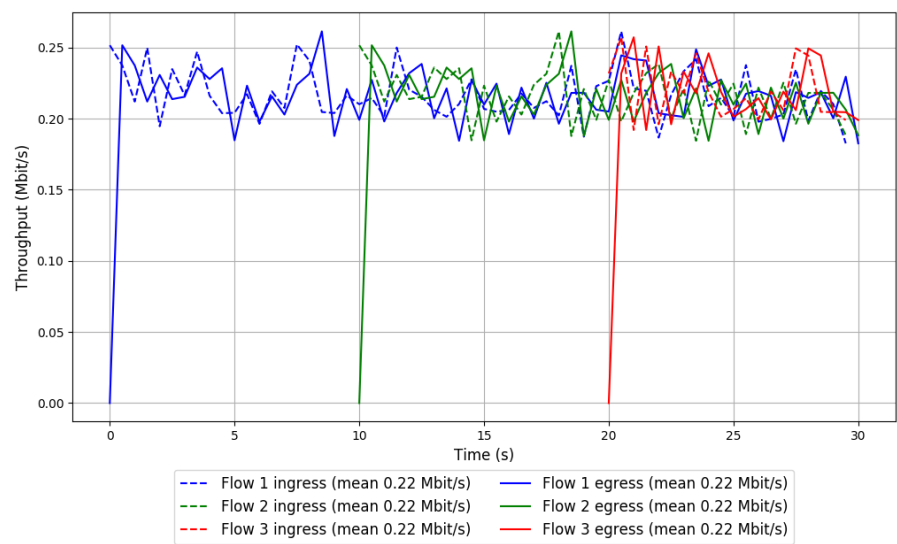
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.198 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

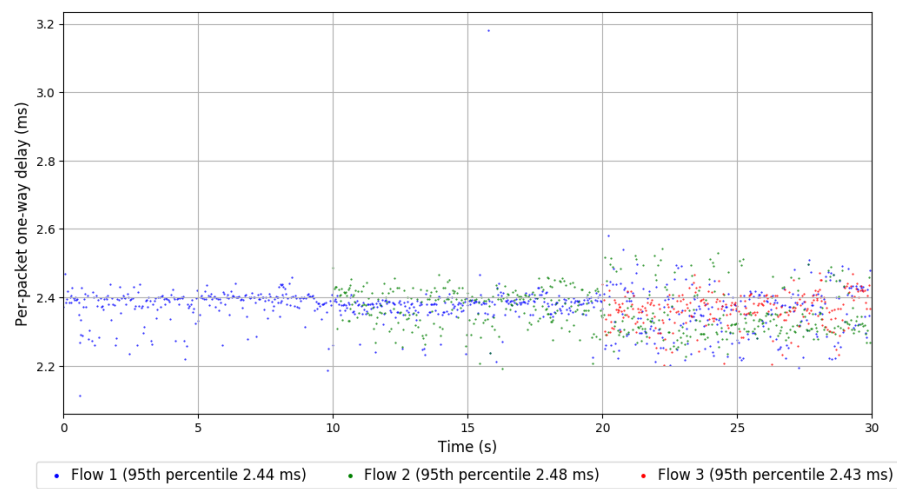
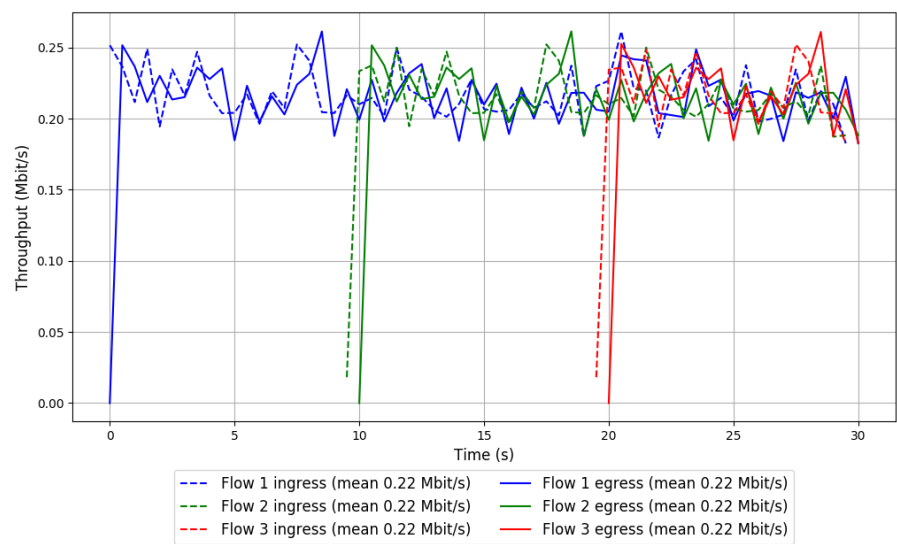


Run 5: Statistics of SReAM

Start at: 2018-05-30 17:04:27
End at: 2018-05-30 17:04:57
Local clock offset: -1.629 ms
Remote clock offset: -2.436 ms

Below is generated by plot.py at 2018-05-30 19:09:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.451 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.439 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.477 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.434 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

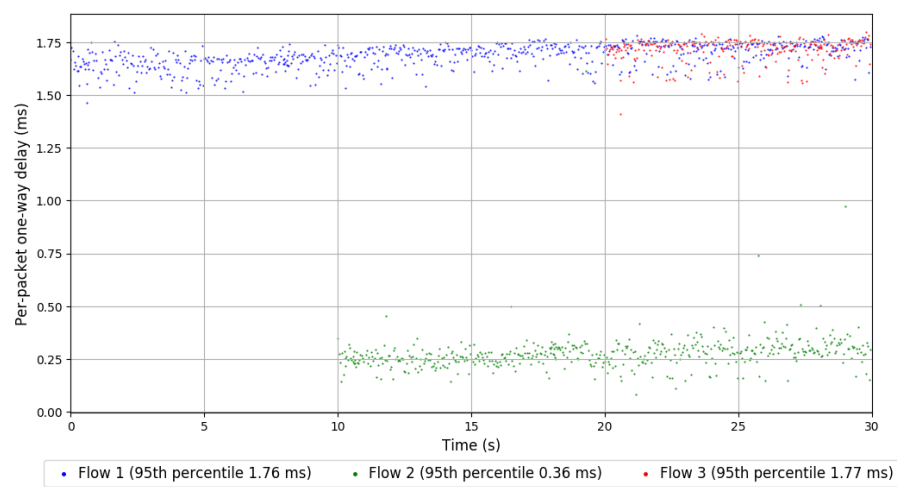
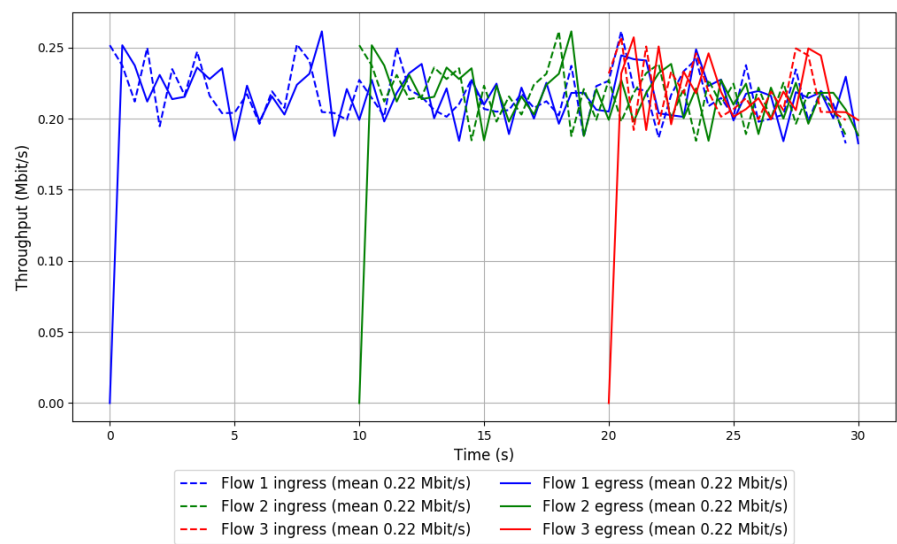


Run 6: Statistics of SReAM

Start at: 2018-05-30 17:22:36
End at: 2018-05-30 17:23:06
Local clock offset: -2.055 ms
Remote clock offset: -7.894 ms

Below is generated by plot.py at 2018-05-30 19:09:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.756 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.756 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.365 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.768 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

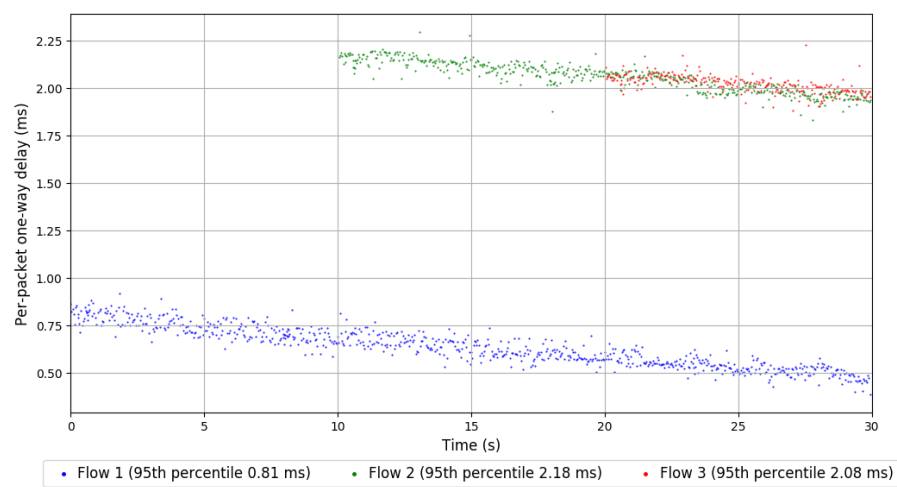
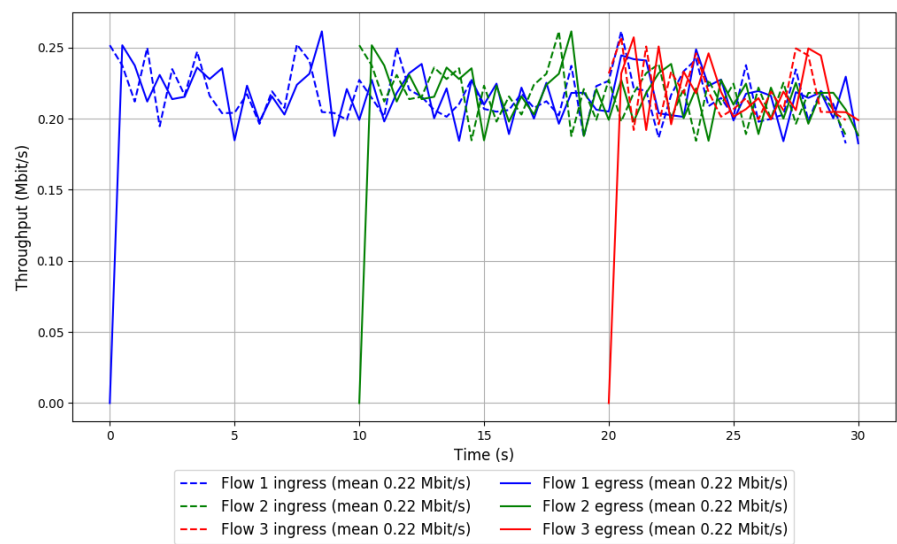


Run 7: Statistics of SReAM

Start at: 2018-05-30 17:40:40
End at: 2018-05-30 17:41:10
Local clock offset: -3.125 ms
Remote clock offset: -8.939 ms

Below is generated by plot.py at 2018-05-30 19:09:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.144 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.814 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.178 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.085 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

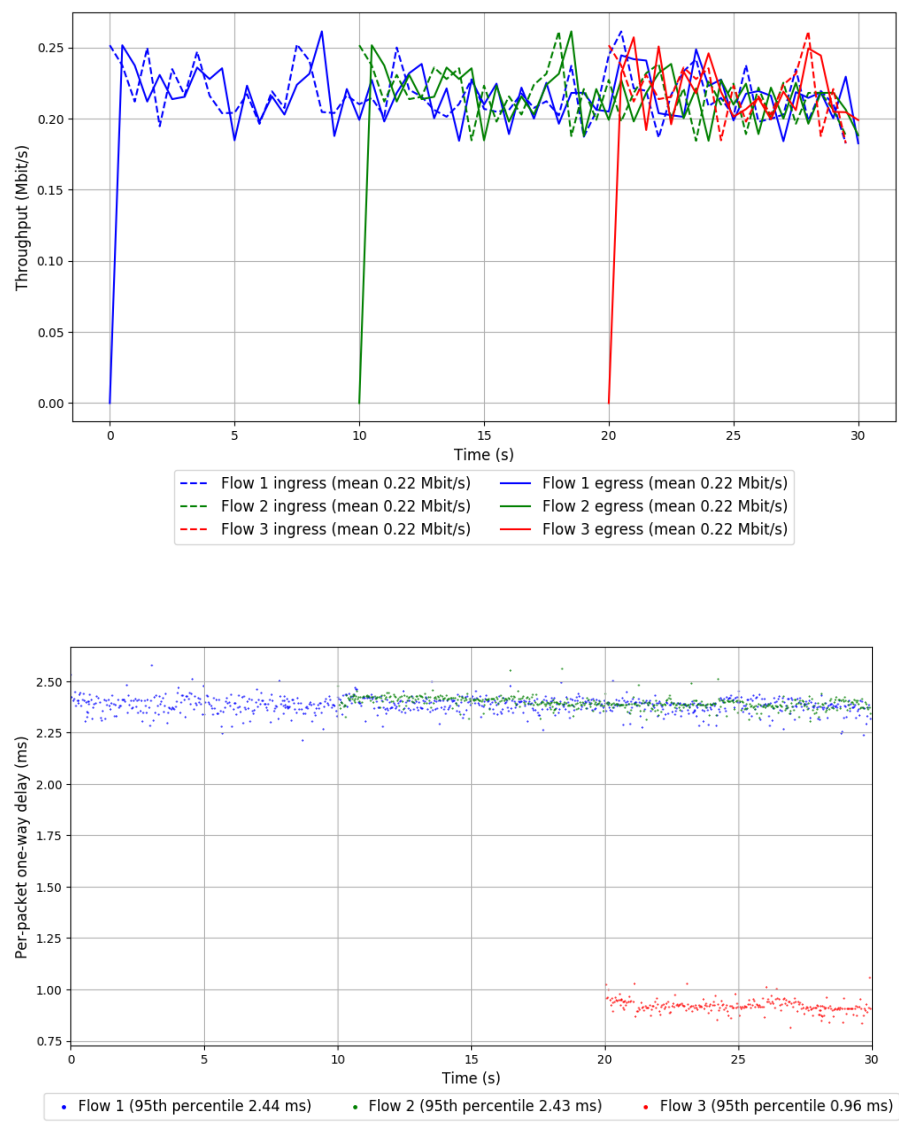


Run 8: Statistics of SReAM

Start at: 2018-05-30 17:58:49
End at: 2018-05-30 17:59:19
Local clock offset: -3.245 ms
Remote clock offset: -3.346 ms

Below is generated by plot.py at 2018-05-30 19:09:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.432 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.435 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.433 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.963 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

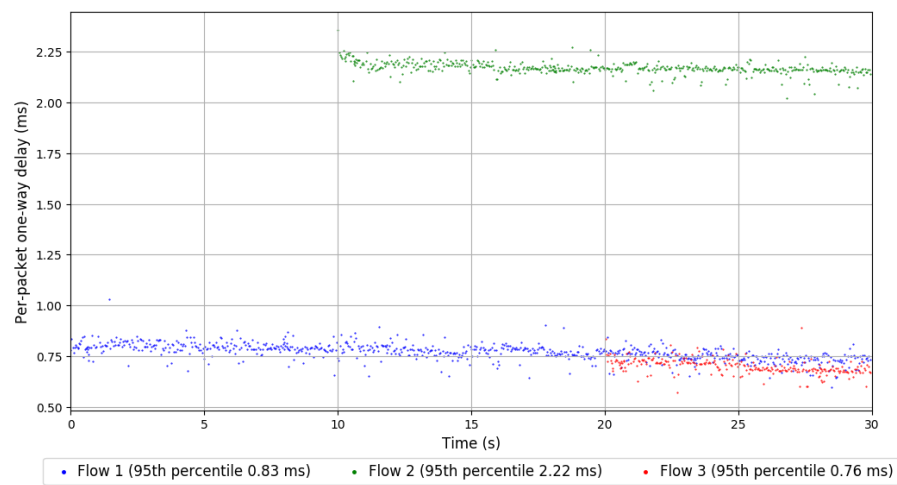
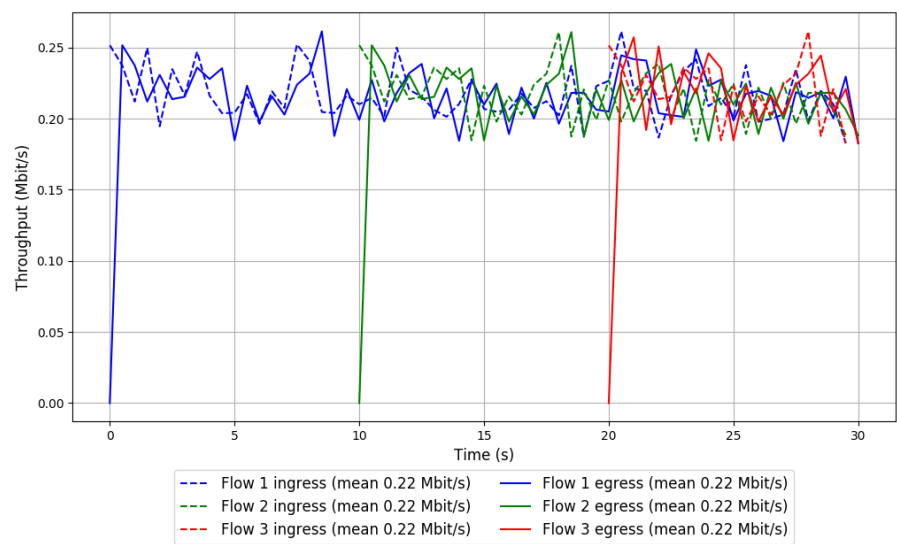


Run 9: Statistics of SReAM

Start at: 2018-05-30 18:16:53
End at: 2018-05-30 18:17:23
Local clock offset: -6.568 ms
Remote clock offset: -2.851 ms

Below is generated by plot.py at 2018-05-30 19:09:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.198 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.831 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.216 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.761 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

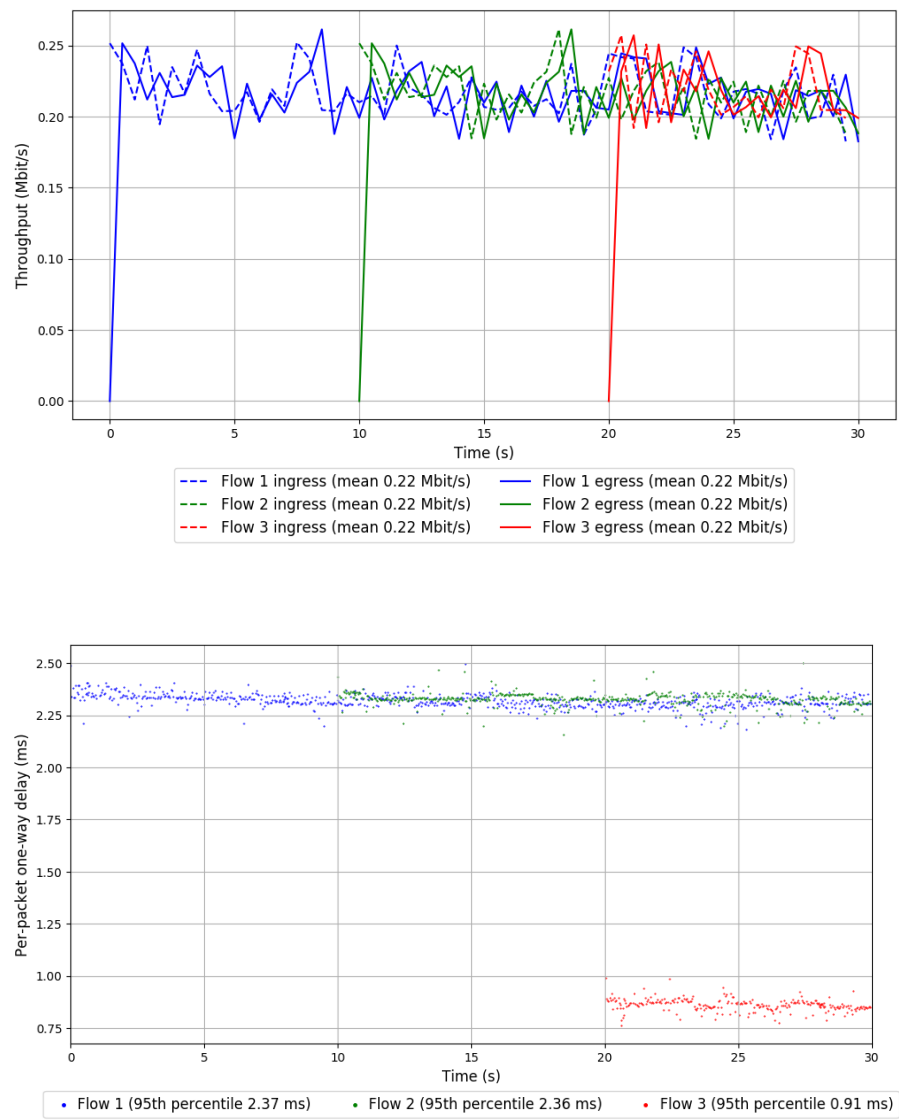


Run 10: Statistics of SReAM

Start at: 2018-05-30 18:34:57
End at: 2018-05-30 18:35:27
Local clock offset: -8.635 ms
Remote clock offset: -2.871 ms

Below is generated by plot.py at 2018-05-30 19:09:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.361 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.367 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.361 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.905 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-05-30 16:03:04

End at: 2018-05-30 16:03:34

Local clock offset: -0.2 ms

Remote clock offset: 0.132 ms

Below is generated by plot.py at 2018-05-30 19:09:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.56 Mbit/s

95th percentile per-packet one-way delay: 14.837 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 33.55 Mbit/s

95th percentile per-packet one-way delay: 13.991 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 32.57 Mbit/s

95th percentile per-packet one-way delay: 14.310 ms

Loss rate: 0.00%

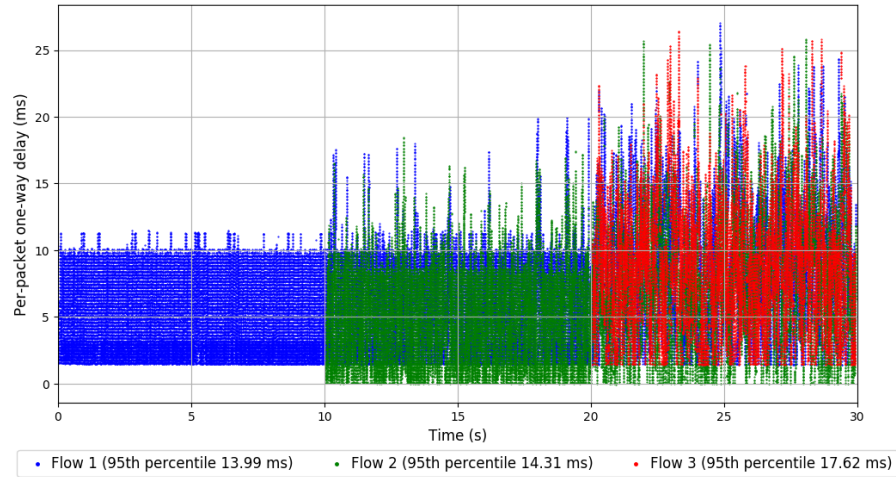
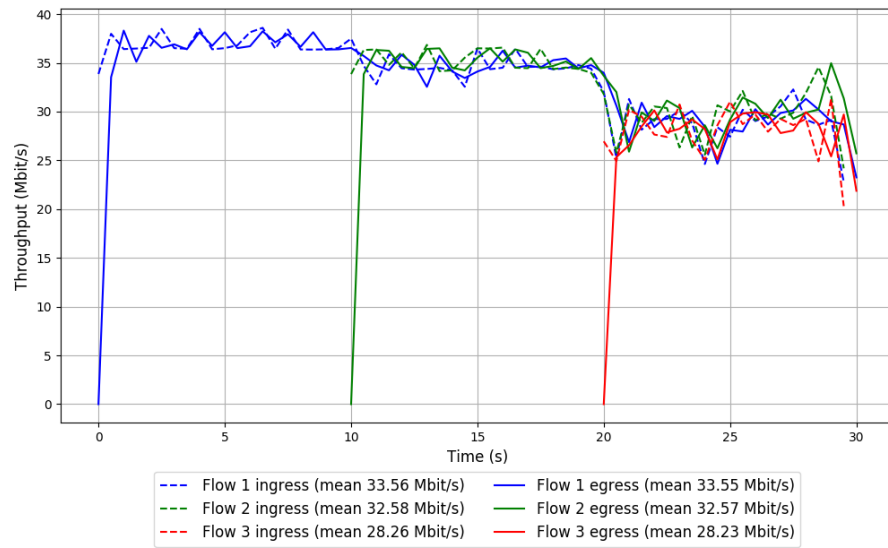
-- Flow 3:

Average throughput: 28.23 Mbit/s

95th percentile per-packet one-way delay: 17.625 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

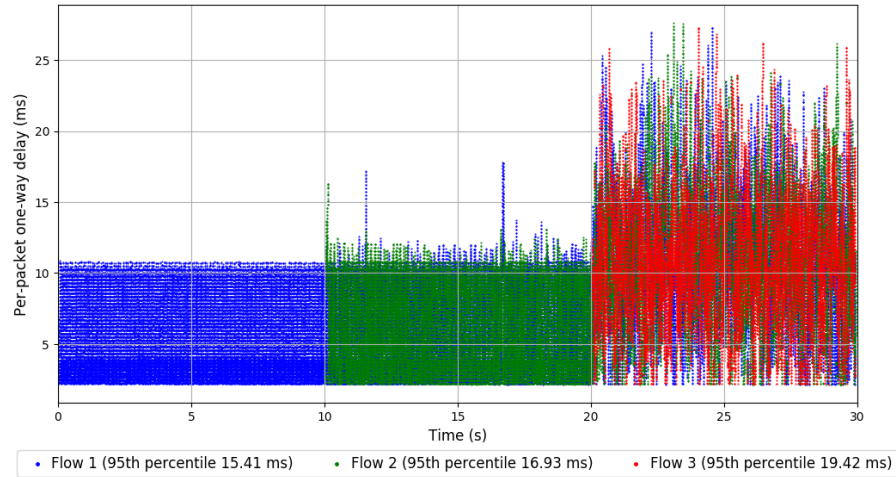
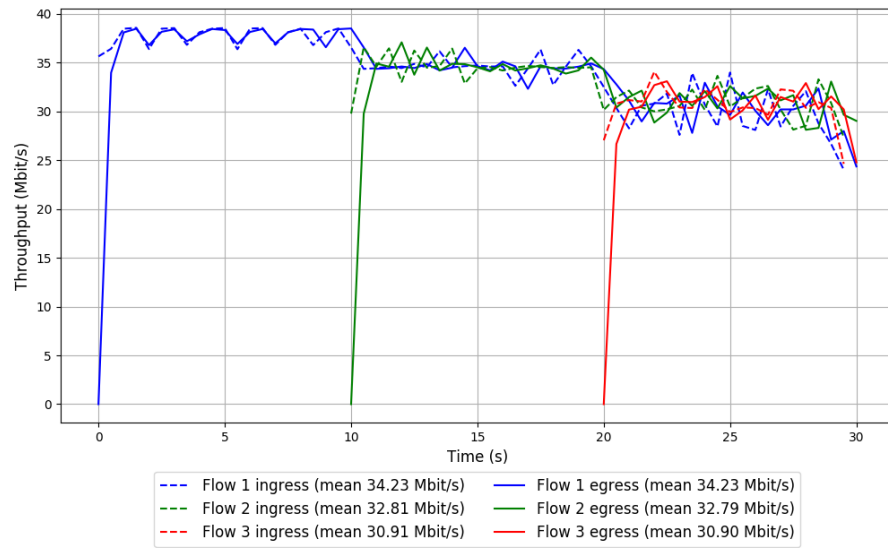


Run 2: Statistics of Sprout

Start at: 2018-05-30 16:21:08
End at: 2018-05-30 16:21:38
Local clock offset: -1.669 ms
Remote clock offset: 1.894 ms

```
# Below is generated by plot.py at 2018-05-30 19:09:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.26 Mbit/s
95th percentile per-packet one-way delay: 16.865 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.23 Mbit/s
95th percentile per-packet one-way delay: 15.408 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.79 Mbit/s
95th percentile per-packet one-way delay: 16.934 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.90 Mbit/s
95th percentile per-packet one-way delay: 19.421 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

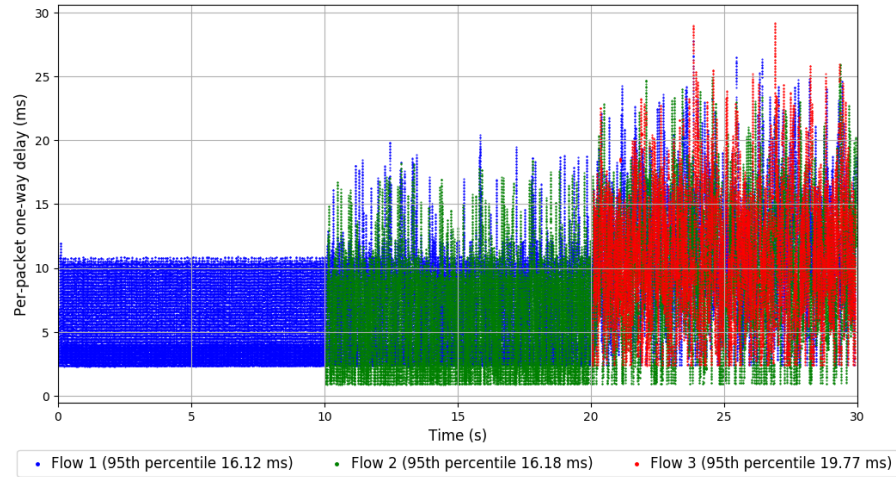
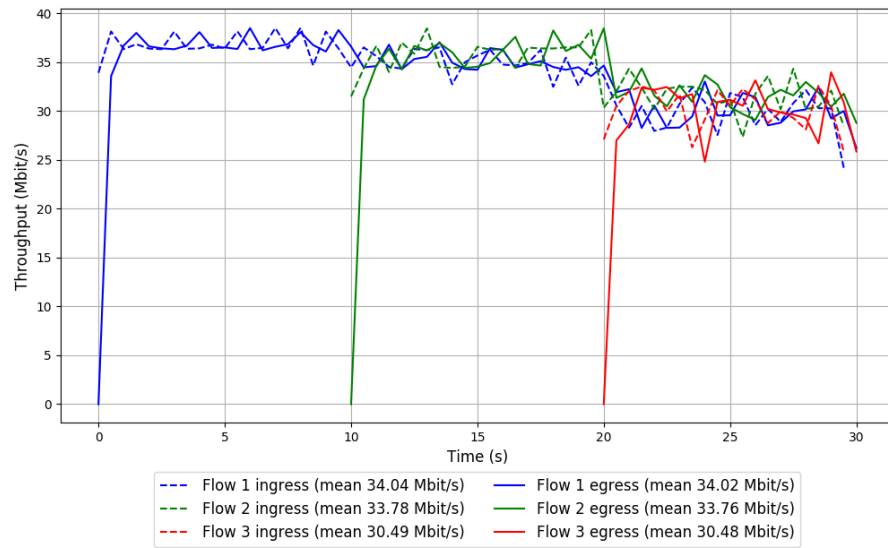


Run 3: Statistics of Sprout

Start at: 2018-05-30 16:39:17
End at: 2018-05-30 16:39:47
Local clock offset: -1.664 ms
Remote clock offset: -0.396 ms

```
# Below is generated by plot.py at 2018-05-30 19:10:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.54 Mbit/s
95th percentile per-packet one-way delay: 16.871 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.02 Mbit/s
95th percentile per-packet one-way delay: 16.116 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.76 Mbit/s
95th percentile per-packet one-way delay: 16.175 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.48 Mbit/s
95th percentile per-packet one-way delay: 19.772 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

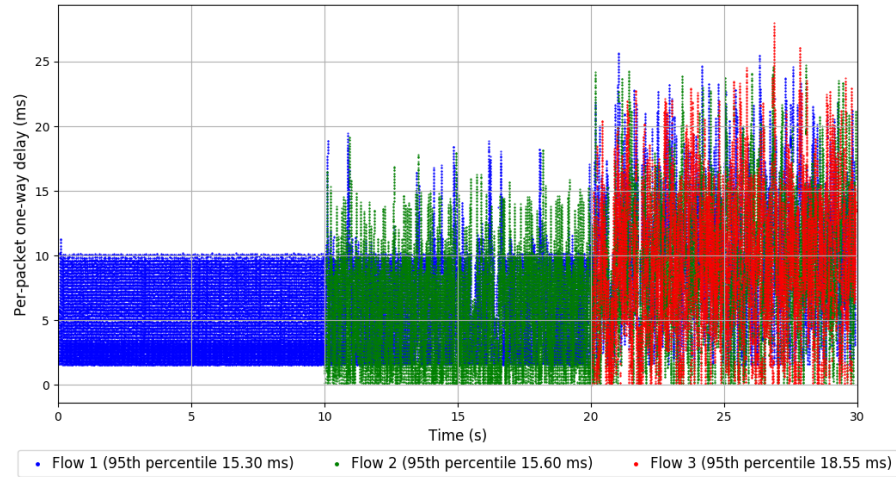
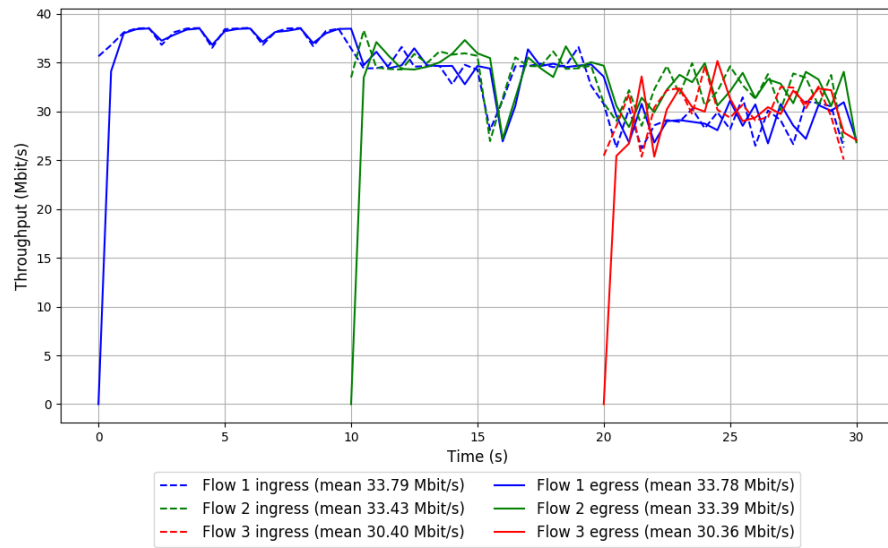


Run 4: Statistics of Sprout

Start at: 2018-05-30 16:58:41
End at: 2018-05-30 16:59:11
Local clock offset: -0.91 ms
Remote clock offset: -2.208 ms

```
# Below is generated by plot.py at 2018-05-30 19:10:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.03 Mbit/s
95th percentile per-packet one-way delay: 16.188 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 33.78 Mbit/s
95th percentile per-packet one-way delay: 15.300 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.39 Mbit/s
95th percentile per-packet one-way delay: 15.597 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.36 Mbit/s
95th percentile per-packet one-way delay: 18.548 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

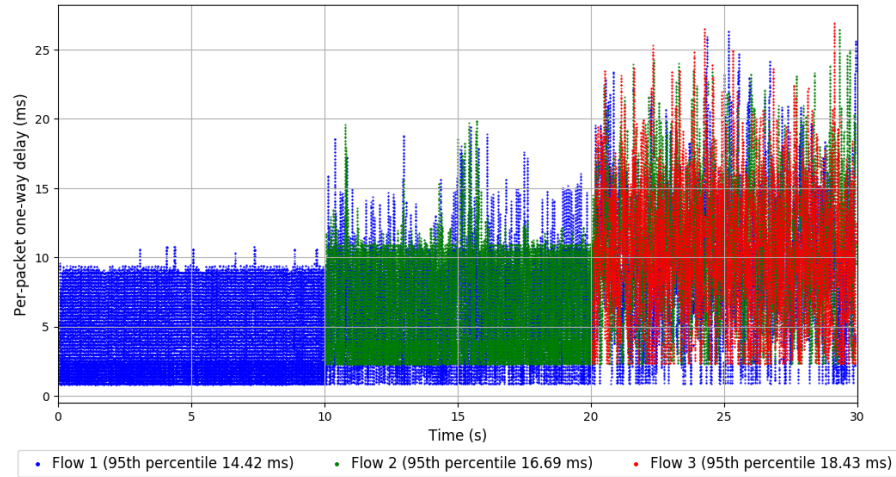
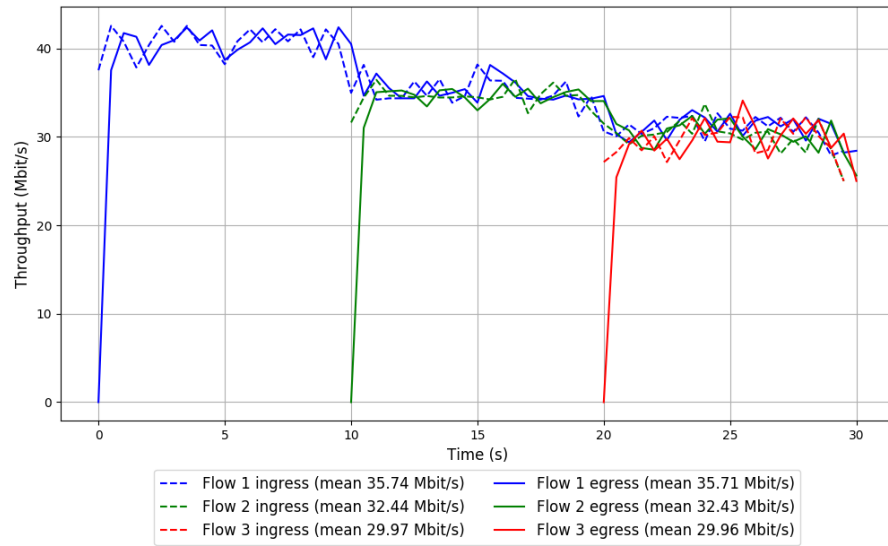


Run 5: Statistics of Sprout

Start at: 2018-05-30 17:16:52
End at: 2018-05-30 17:17:22
Local clock offset: -2.593 ms
Remote clock offset: -6.816 ms

Below is generated by plot.py at 2018-05-30 19:10:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.19 Mbit/s
95th percentile per-packet one-way delay: 16.121 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.71 Mbit/s
95th percentile per-packet one-way delay: 14.418 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.43 Mbit/s
95th percentile per-packet one-way delay: 16.693 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.96 Mbit/s
95th percentile per-packet one-way delay: 18.429 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

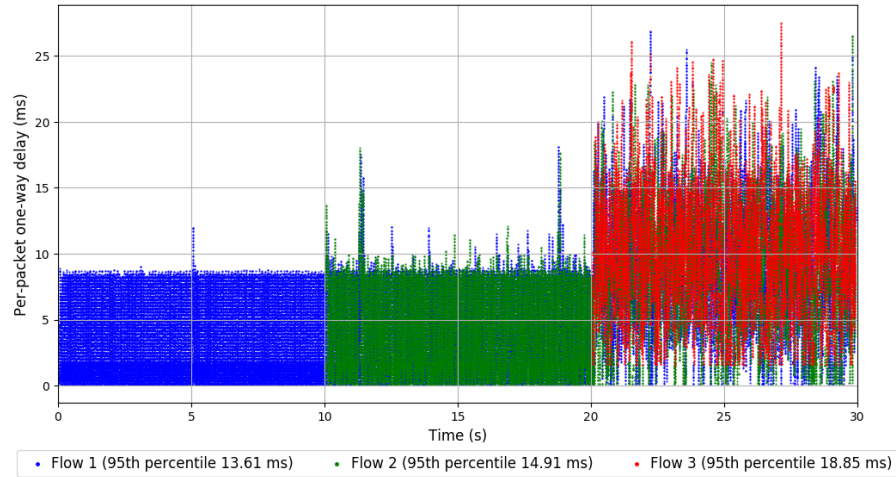
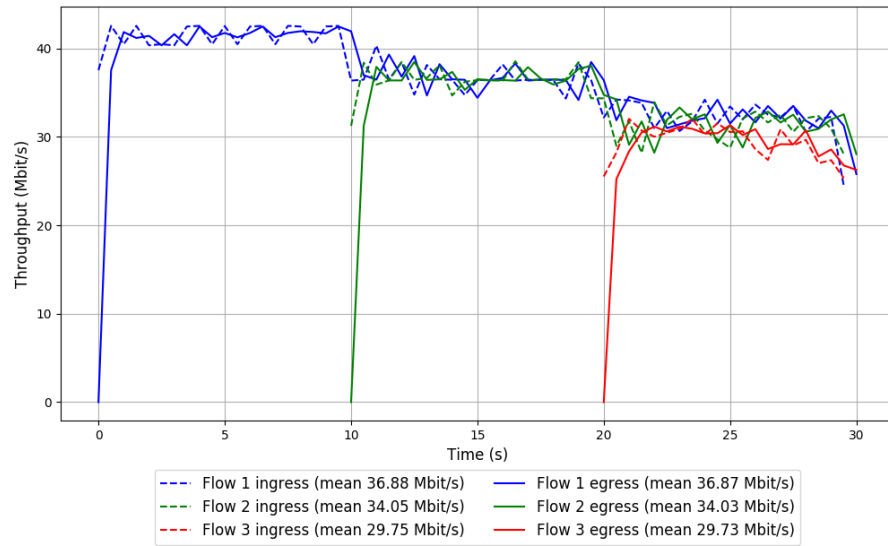


Run 6: Statistics of Sprout

Start at: 2018-05-30 17:35:01
End at: 2018-05-30 17:35:31
Local clock offset: -2.311 ms
Remote clock offset: -9.591 ms

Below is generated by plot.py at 2018-05-30 19:10:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.33 Mbit/s
95th percentile per-packet one-way delay: 15.222 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.87 Mbit/s
95th percentile per-packet one-way delay: 13.605 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.03 Mbit/s
95th percentile per-packet one-way delay: 14.915 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.73 Mbit/s
95th percentile per-packet one-way delay: 18.853 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

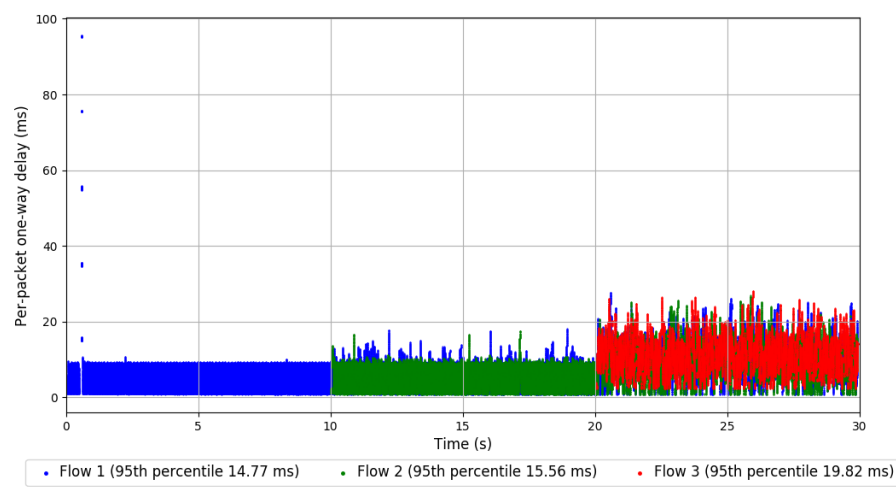
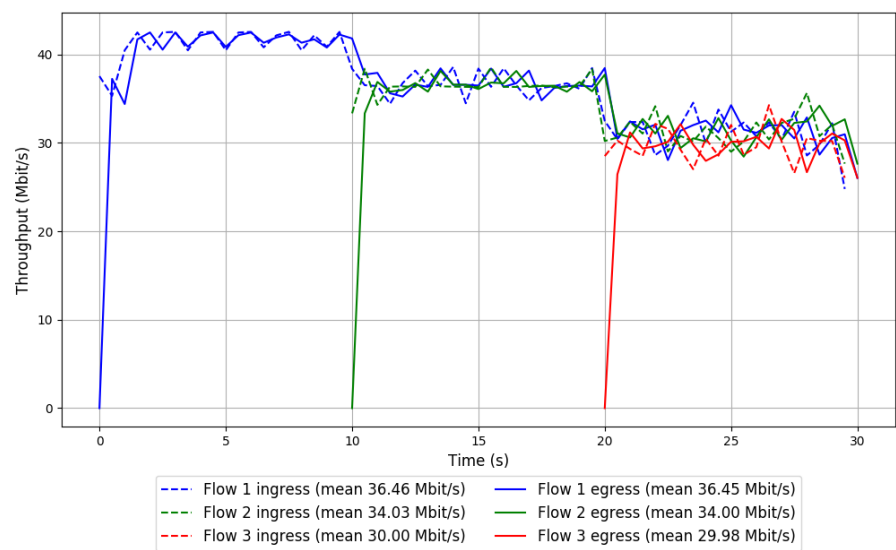


Run 7: Statistics of Sprout

Start at: 2018-05-30 17:53:10
End at: 2018-05-30 17:53:40
Local clock offset: -3.247 ms
Remote clock offset: -4.049 ms

Below is generated by plot.py at 2018-05-30 19:10:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.98 Mbit/s
95th percentile per-packet one-way delay: 16.362 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.45 Mbit/s
95th percentile per-packet one-way delay: 14.766 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.00 Mbit/s
95th percentile per-packet one-way delay: 15.560 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.98 Mbit/s
95th percentile per-packet one-way delay: 19.825 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

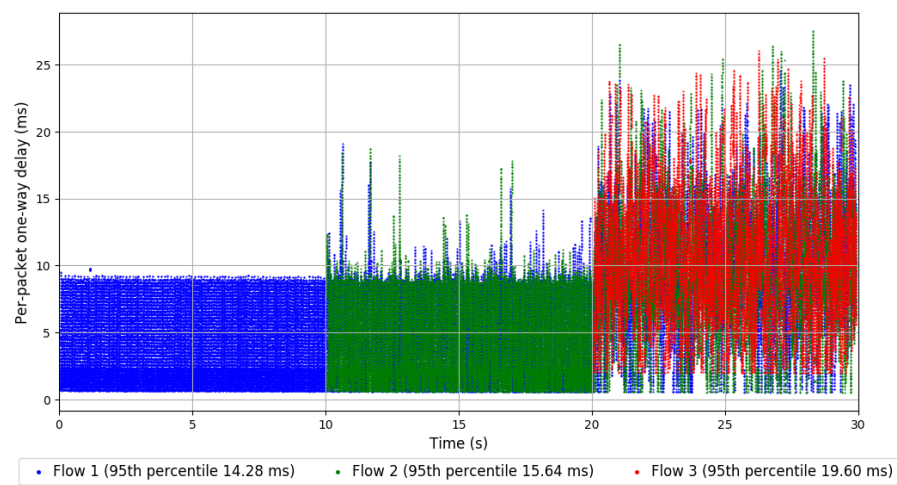
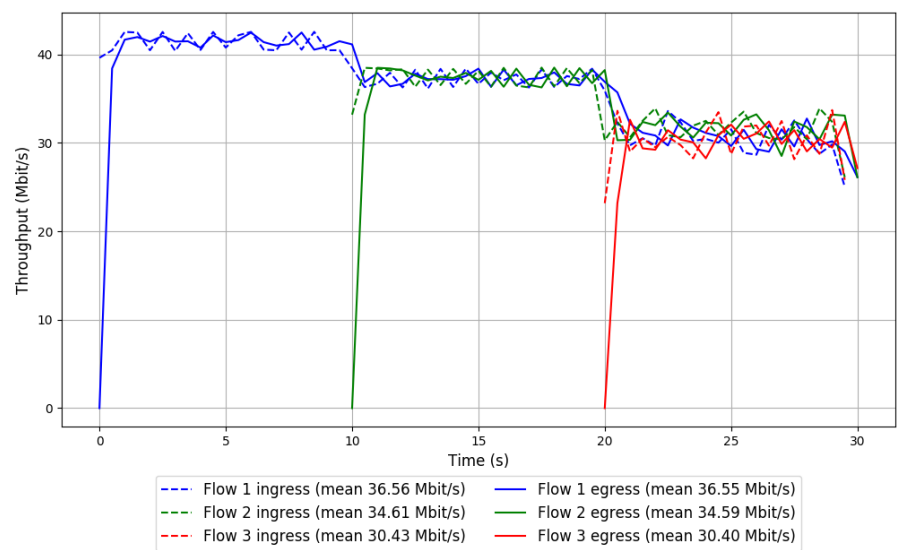


Run 8: Statistics of Sprout

Start at: 2018-05-30 18:11:14
End at: 2018-05-30 18:11:44
Local clock offset: -5.24 ms
Remote clock offset: -2.759 ms

Below is generated by plot.py at 2018-05-30 19:10:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.59 Mbit/s
95th percentile per-packet one-way delay: 16.112 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.55 Mbit/s
95th percentile per-packet one-way delay: 14.282 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.59 Mbit/s
95th percentile per-packet one-way delay: 15.639 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.40 Mbit/s
95th percentile per-packet one-way delay: 19.603 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

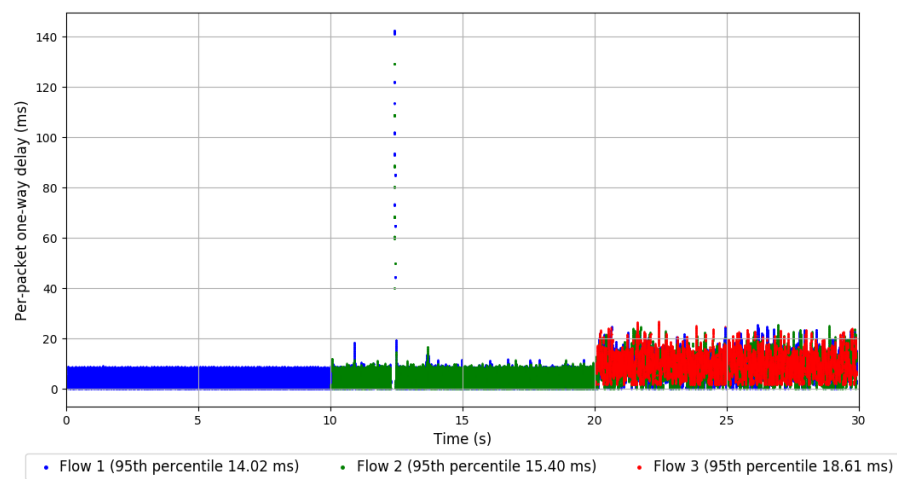
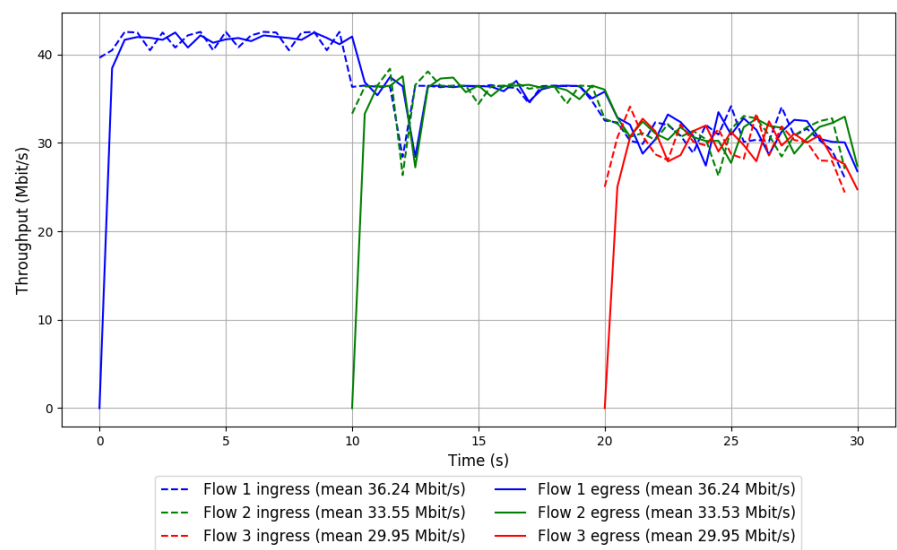


Run 9: Statistics of Sprout

Start at: 2018-05-30 18:29:19
End at: 2018-05-30 18:29:49
Local clock offset: -7.384 ms
Remote clock offset: -2.805 ms

Below is generated by plot.py at 2018-05-30 19:10:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.44 Mbit/s
95th percentile per-packet one-way delay: 15.586 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.24 Mbit/s
95th percentile per-packet one-way delay: 14.016 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.53 Mbit/s
95th percentile per-packet one-way delay: 15.396 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.95 Mbit/s
95th percentile per-packet one-way delay: 18.613 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

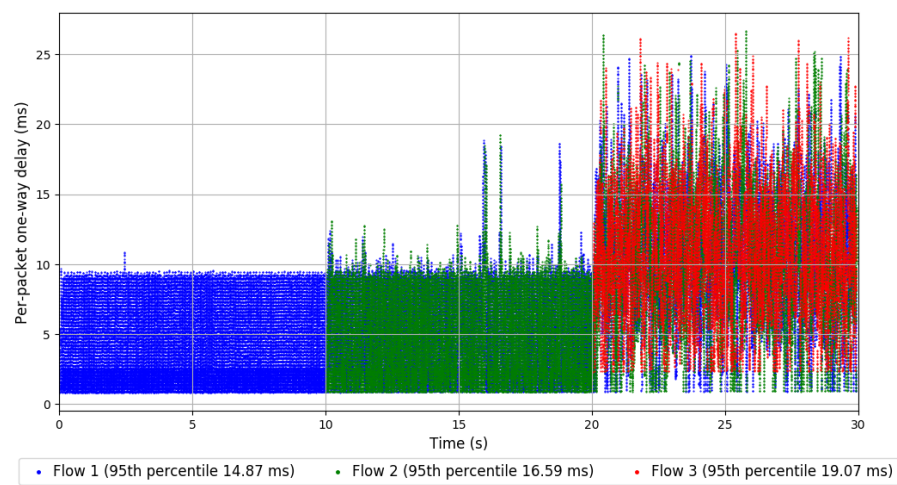
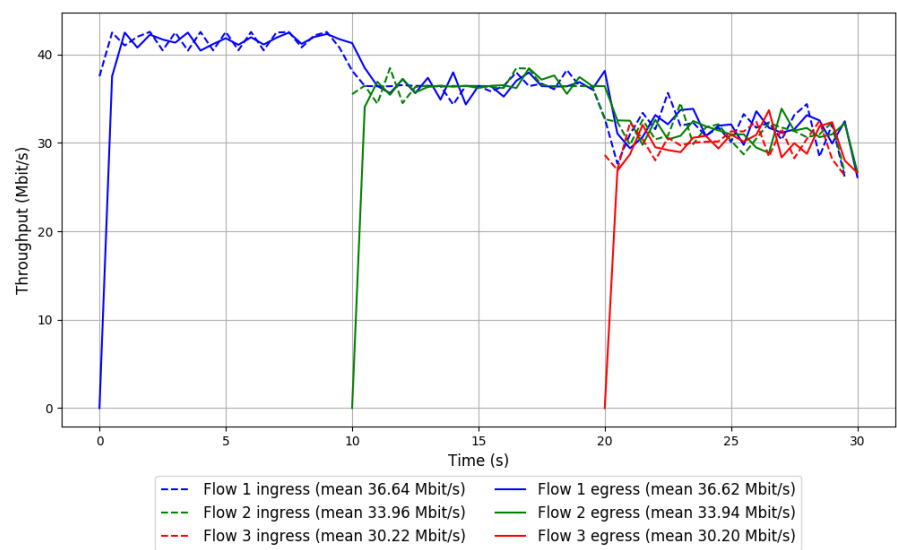


Run 10: Statistics of Sprout

Start at: 2018-05-30 18:47:23
End at: 2018-05-30 18:47:53
Local clock offset: -4.316 ms
Remote clock offset: -2.89 ms

```
# Below is generated by plot.py at 2018-05-30 19:10:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.19 Mbit/s
95th percentile per-packet one-way delay: 16.427 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.62 Mbit/s
95th percentile per-packet one-way delay: 14.874 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.94 Mbit/s
95th percentile per-packet one-way delay: 16.593 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.20 Mbit/s
95th percentile per-packet one-way delay: 19.070 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-05-30 15:56:15

End at: 2018-05-30 15:56:45

Local clock offset: -1.124 ms

Remote clock offset: -1.16 ms

Below is generated by plot.py at 2018-05-30 19:12:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.61 Mbit/s

95th percentile per-packet one-way delay: 10.934 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 43.83 Mbit/s

95th percentile per-packet one-way delay: 10.306 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 45.46 Mbit/s

95th percentile per-packet one-way delay: 11.415 ms

Loss rate: 0.01%

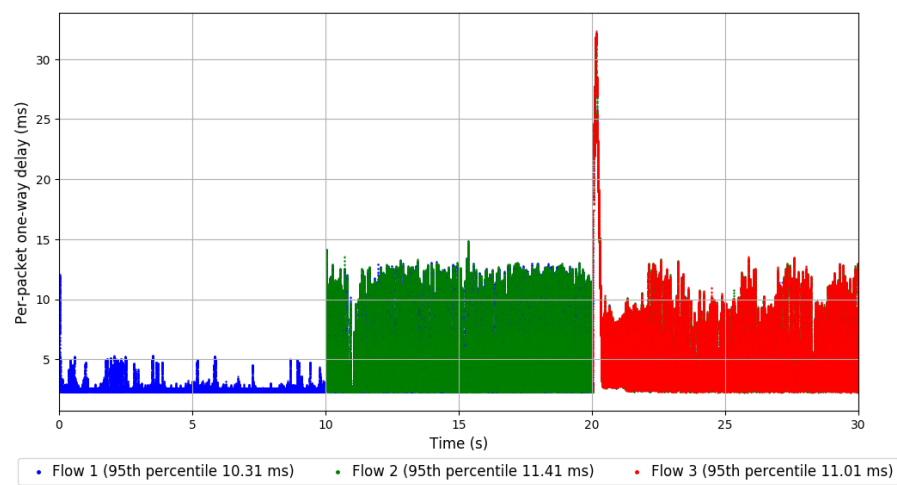
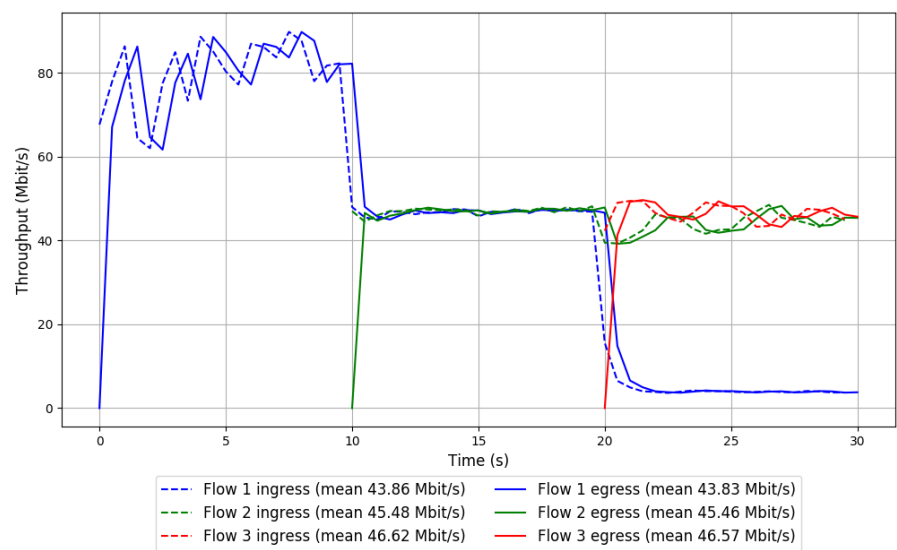
-- Flow 3:

Average throughput: 46.57 Mbit/s

95th percentile per-packet one-way delay: 11.011 ms

Loss rate: 0.04%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-05-30 16:14:19

End at: 2018-05-30 16:14:49

Local clock offset: -1.503 ms

Remote clock offset: 1.38 ms

Below is generated by plot.py at 2018-05-30 19:12:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.09 Mbit/s

95th percentile per-packet one-way delay: 7.980 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 58.54 Mbit/s

95th percentile per-packet one-way delay: 7.068 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 25.43 Mbit/s

95th percentile per-packet one-way delay: 8.748 ms

Loss rate: 0.13%

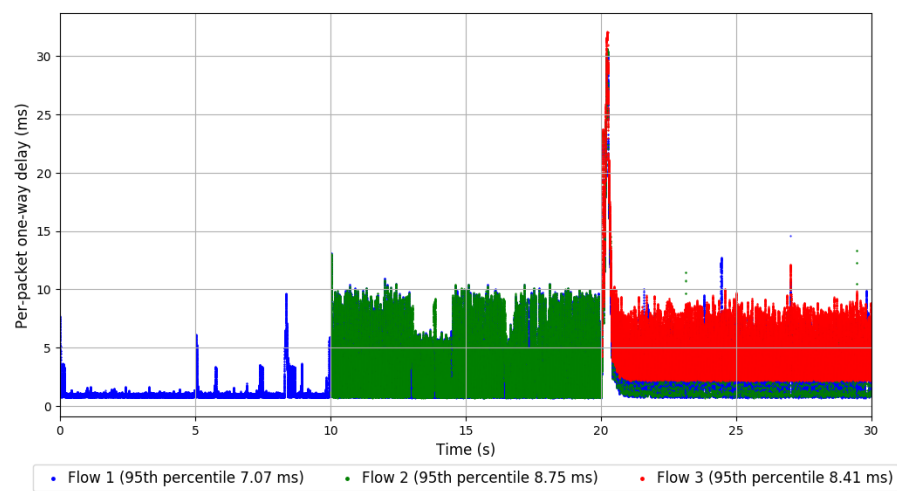
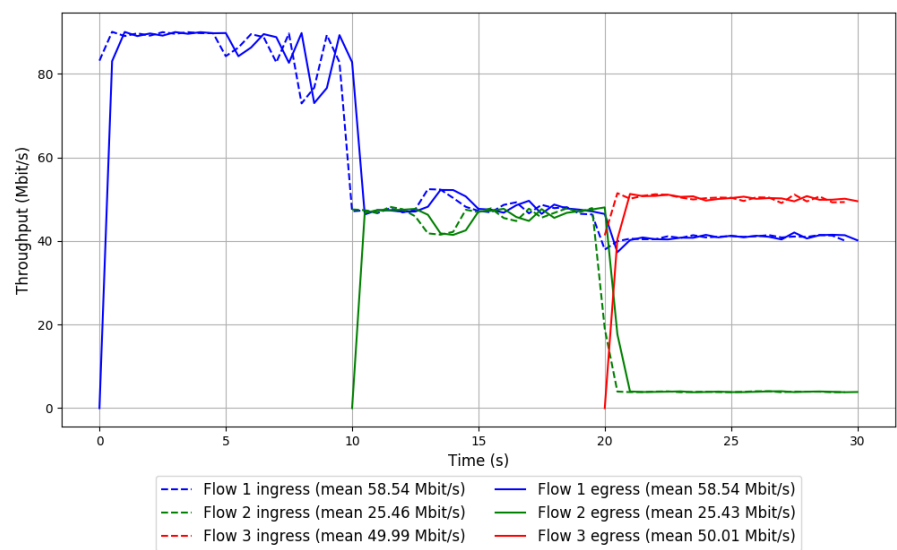
-- Flow 3:

Average throughput: 50.01 Mbit/s

95th percentile per-packet one-way delay: 8.413 ms

Loss rate: 0.03%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-05-30 16:32:29

End at: 2018-05-30 16:32:59

Local clock offset: -1.643 ms

Remote clock offset: 1.667 ms

Below is generated by plot.py at 2018-05-30 19:12:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.82 Mbit/s

95th percentile per-packet one-way delay: 7.587 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 55.97 Mbit/s

95th percentile per-packet one-way delay: 6.540 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 27.41 Mbit/s

95th percentile per-packet one-way delay: 8.010 ms

Loss rate: 0.04%

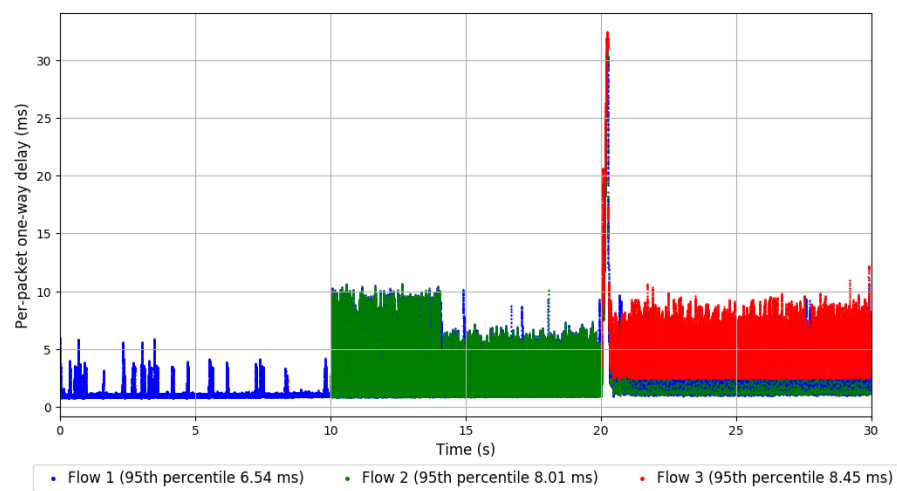
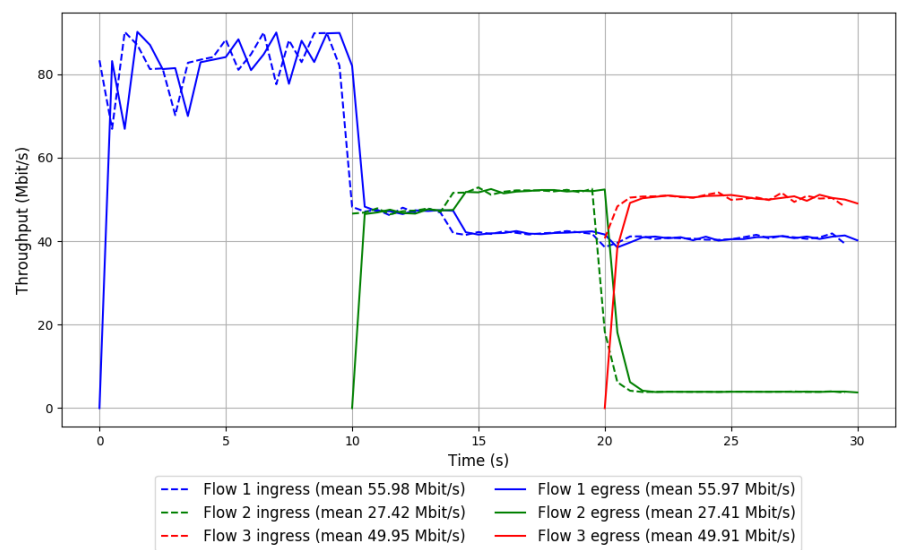
-- Flow 3:

Average throughput: 49.91 Mbit/s

95th percentile per-packet one-way delay: 8.453 ms

Loss rate: 0.10%

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

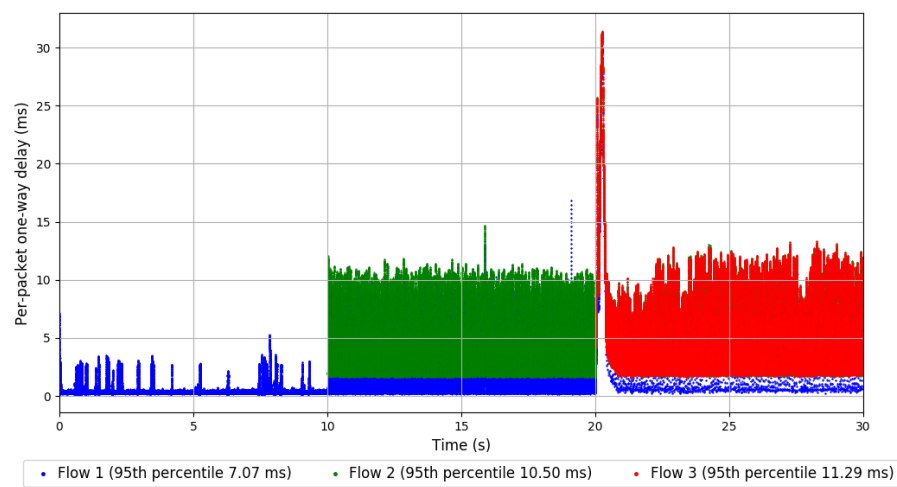
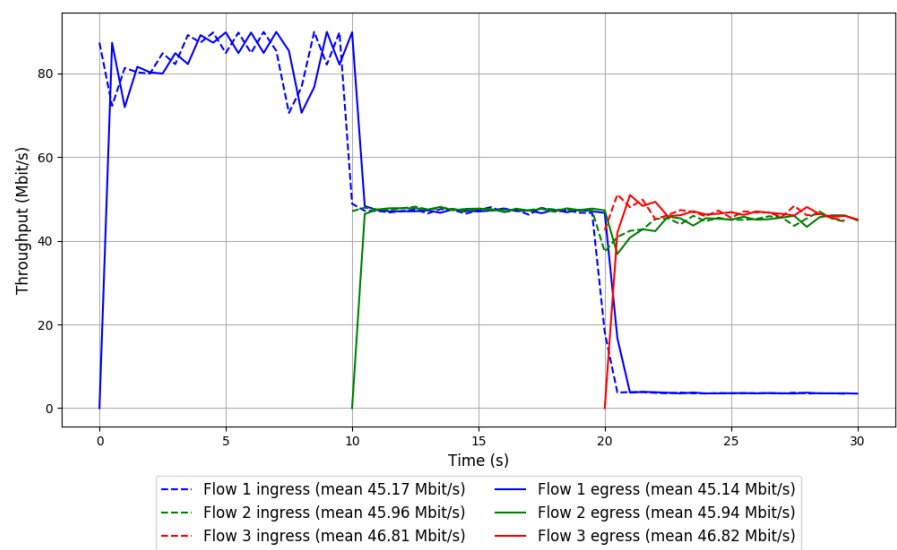


Run 4: Statistics of TaoVA-100x

Start at: 2018-05-30 16:51:43
End at: 2018-05-30 16:52:13
Local clock offset: -1.031 ms
Remote clock offset: -1.892 ms

Below is generated by plot.py at 2018-05-30 19:12:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.28 Mbit/s
95th percentile per-packet one-way delay: 9.884 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 45.14 Mbit/s
95th percentile per-packet one-way delay: 7.072 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 45.94 Mbit/s
95th percentile per-packet one-way delay: 10.501 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 46.82 Mbit/s
95th percentile per-packet one-way delay: 11.292 ms
Loss rate: 0.00%

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

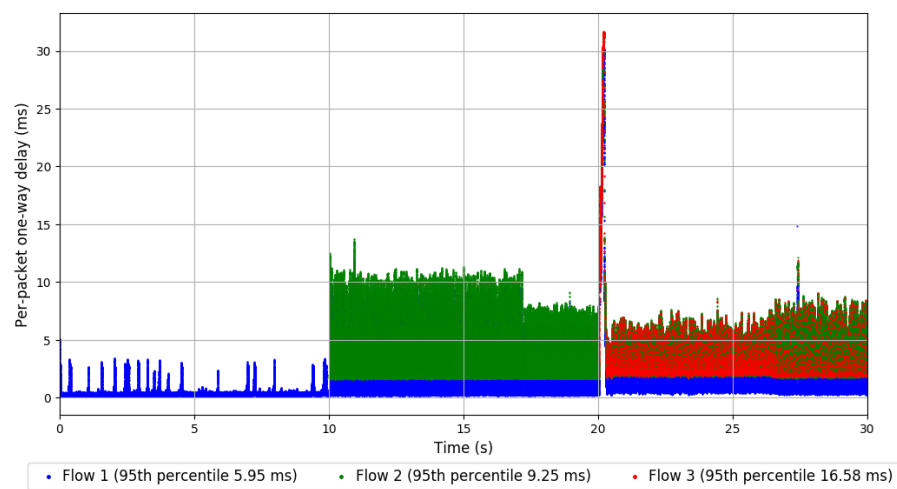
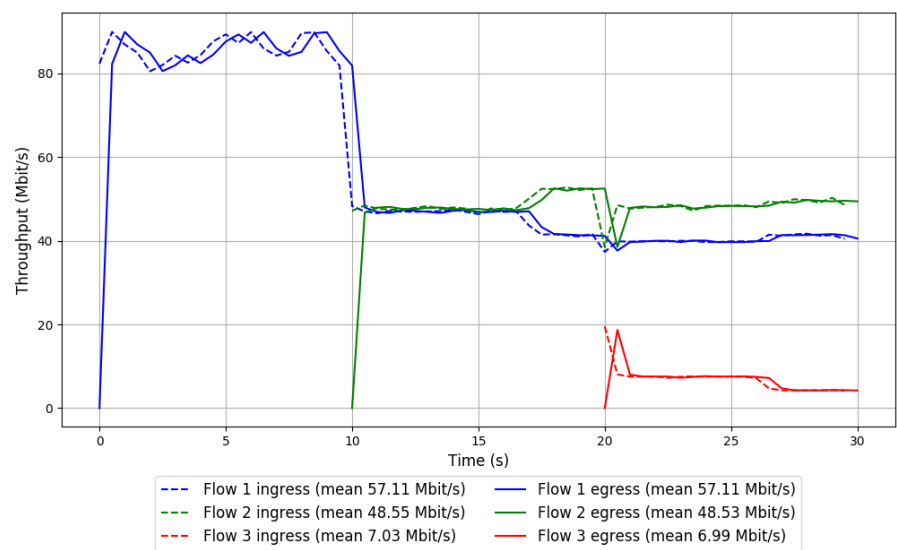


Run 5: Statistics of TaoVA-100x

Start at: 2018-05-30 17:10:04
End at: 2018-05-30 17:10:34
Local clock offset: -1.343 ms
Remote clock offset: -4.756 ms

Below is generated by plot.py at 2018-05-30 19:12:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.75 Mbit/s
95th percentile per-packet one-way delay: 7.772 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 57.11 Mbit/s
95th percentile per-packet one-way delay: 5.946 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 48.53 Mbit/s
95th percentile per-packet one-way delay: 9.251 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 6.99 Mbit/s
95th percentile per-packet one-way delay: 16.580 ms
Loss rate: 0.59%

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

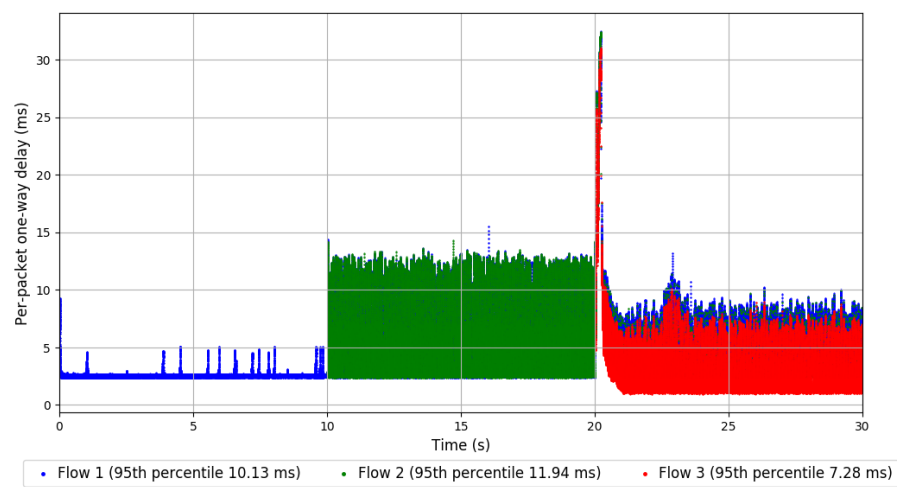
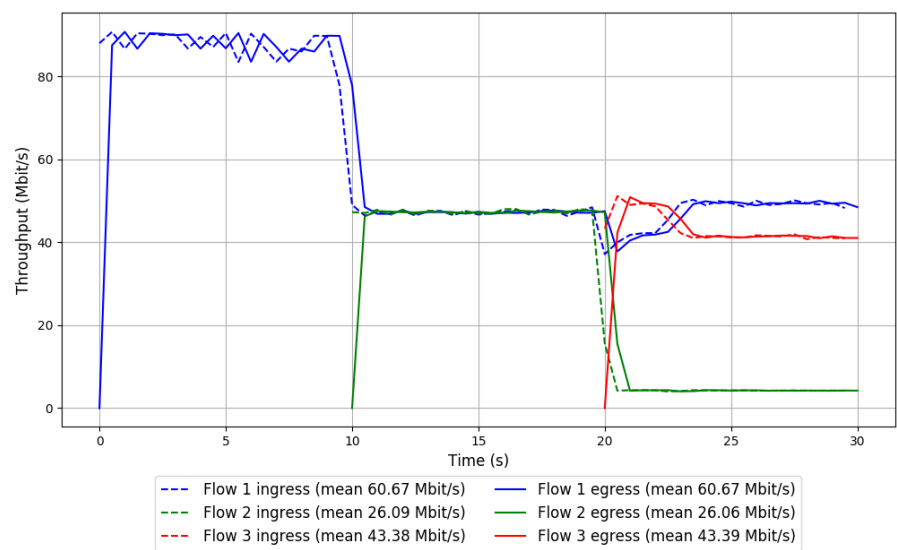


Run 6: Statistics of TaoVA-100x

Start at: 2018-05-30 17:28:13
End at: 2018-05-30 17:28:43
Local clock offset: -3.013 ms
Remote clock offset: -8.746 ms

Below is generated by plot.py at 2018-05-30 19:12:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.45 Mbit/s
95th percentile per-packet one-way delay: 10.808 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 60.67 Mbit/s
95th percentile per-packet one-way delay: 10.126 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 26.06 Mbit/s
95th percentile per-packet one-way delay: 11.939 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 43.39 Mbit/s
95th percentile per-packet one-way delay: 7.281 ms
Loss rate: 0.05%

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

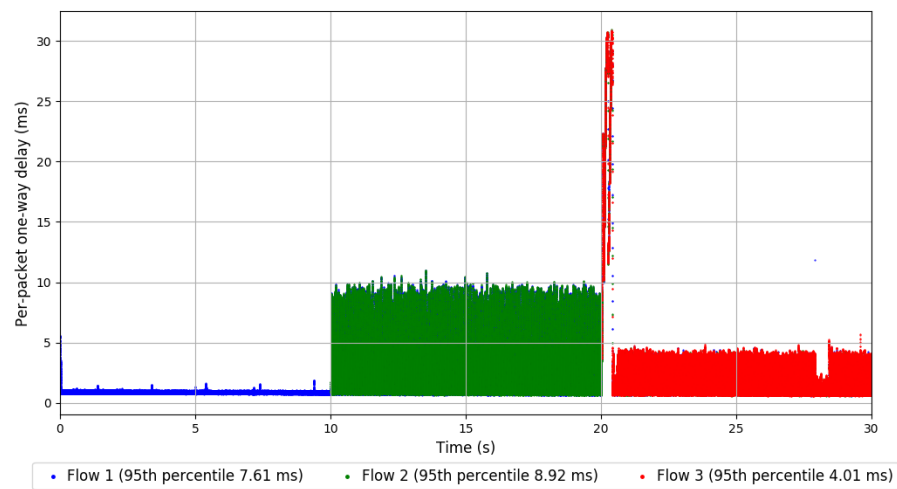
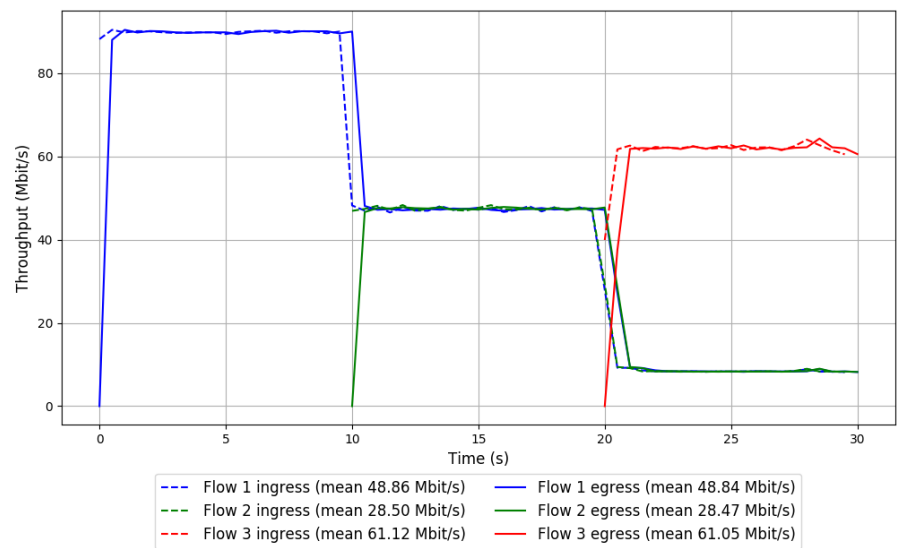


Run 7: Statistics of TaoVA-100x

Start at: 2018-05-30 17:46:22
End at: 2018-05-30 17:46:52
Local clock offset: -3.2 ms
Remote clock offset: -5.895 ms

Below is generated by plot.py at 2018-05-30 19:12:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.09 Mbit/s
95th percentile per-packet one-way delay: 7.997 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 48.84 Mbit/s
95th percentile per-packet one-way delay: 7.610 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 28.47 Mbit/s
95th percentile per-packet one-way delay: 8.918 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 61.05 Mbit/s
95th percentile per-packet one-way delay: 4.006 ms
Loss rate: 0.19%

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

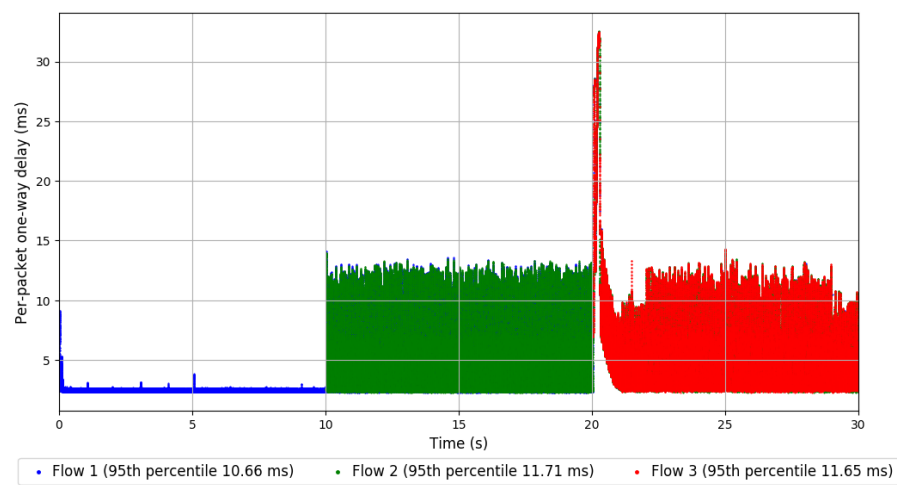
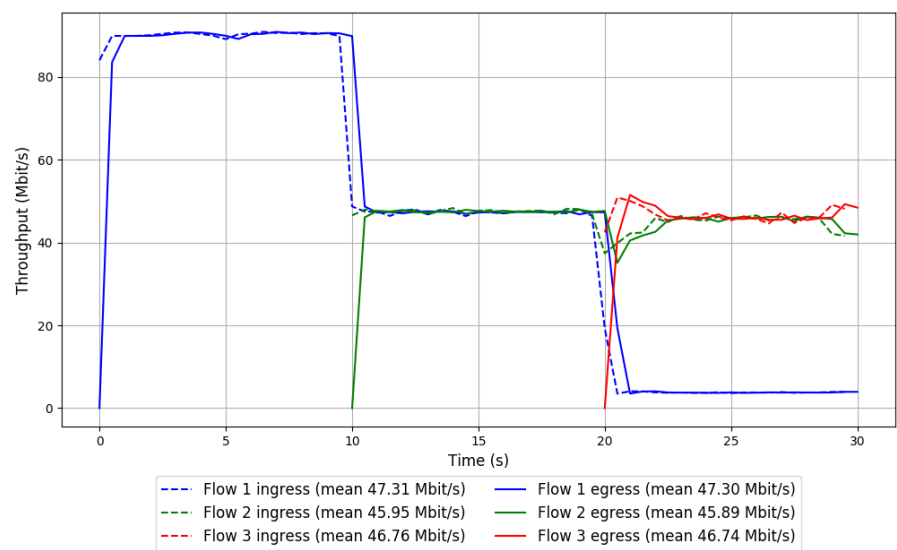


Run 8: Statistics of TaoVA-100x

Start at: 2018-05-30 18:04:26
End at: 2018-05-30 18:04:56
Local clock offset: -3.34 ms
Remote clock offset: -2.959 ms

Below is generated by plot.py at 2018-05-30 19:13:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.40 Mbit/s
95th percentile per-packet one-way delay: 11.355 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 47.30 Mbit/s
95th percentile per-packet one-way delay: 10.661 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 45.89 Mbit/s
95th percentile per-packet one-way delay: 11.715 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 46.74 Mbit/s
95th percentile per-packet one-way delay: 11.649 ms
Loss rate: 0.02%

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

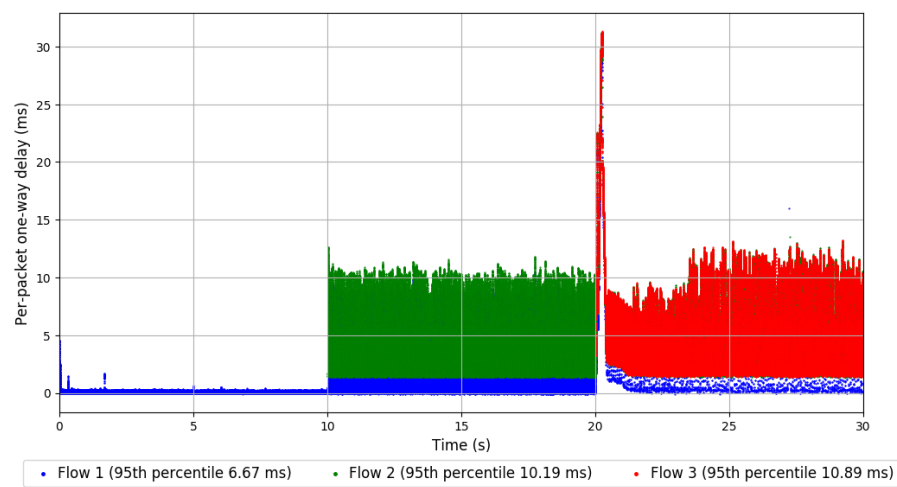
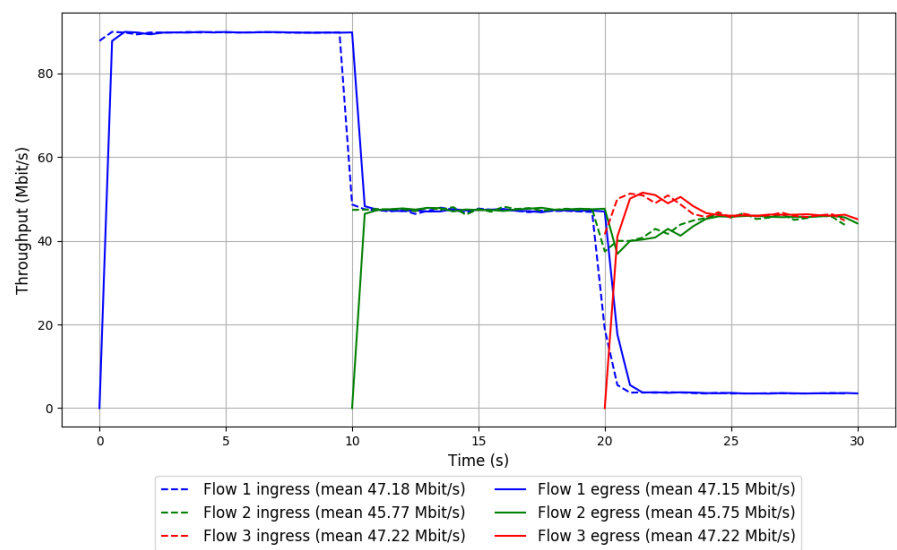


Run 9: Statistics of TaoVA-100x

Start at: 2018-05-30 18:22:30
End at: 2018-05-30 18:23:00
Local clock offset: -6.662 ms
Remote clock offset: -2.839 ms

Below is generated by plot.py at 2018-05-30 19:14:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.30 Mbit/s
95th percentile per-packet one-way delay: 9.487 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 47.15 Mbit/s
95th percentile per-packet one-way delay: 6.665 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 45.75 Mbit/s
95th percentile per-packet one-way delay: 10.185 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 47.22 Mbit/s
95th percentile per-packet one-way delay: 10.887 ms
Loss rate: 0.01%

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

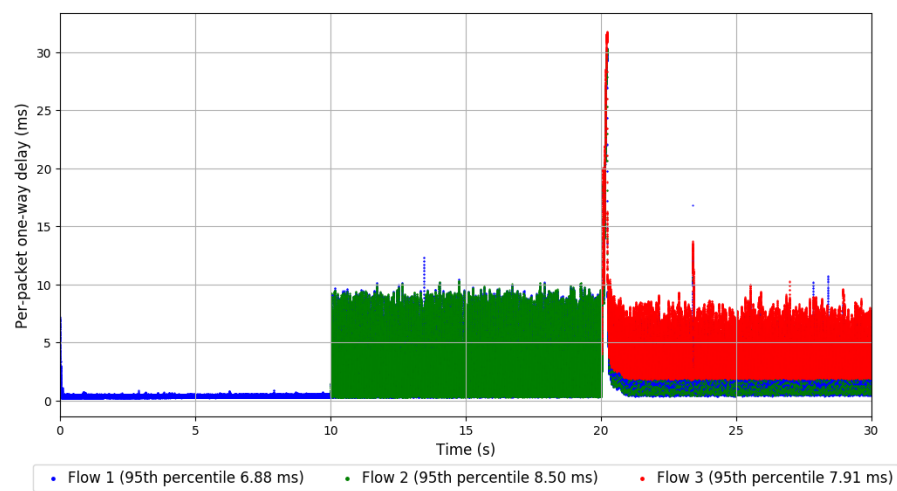
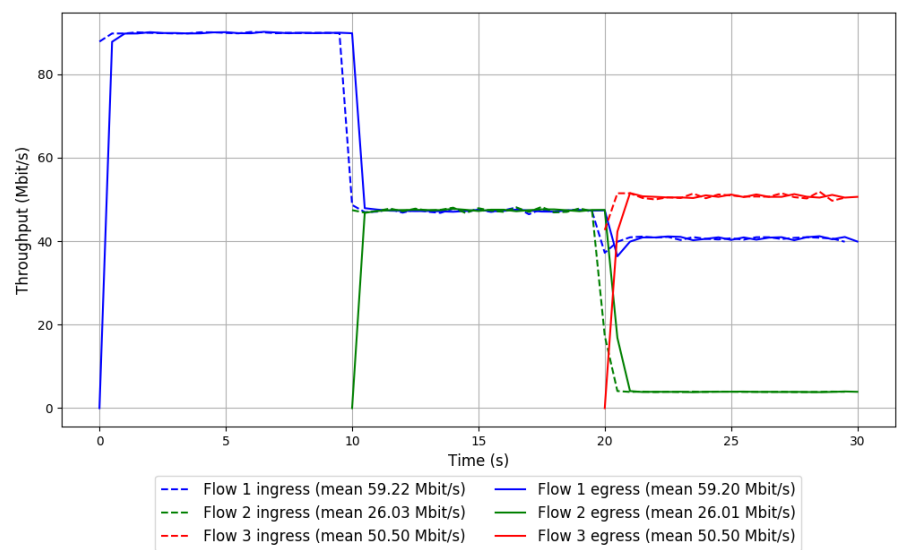


Run 10: Statistics of TaoVA-100x

Start at: 2018-05-30 18:40:35
End at: 2018-05-30 18:41:05
Local clock offset: -5.603 ms
Remote clock offset: -2.854 ms

Below is generated by plot.py at 2018-05-30 19:14:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.31 Mbit/s
95th percentile per-packet one-way delay: 7.708 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 59.20 Mbit/s
95th percentile per-packet one-way delay: 6.875 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 26.01 Mbit/s
95th percentile per-packet one-way delay: 8.500 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 50.50 Mbit/s
95th percentile per-packet one-way delay: 7.914 ms
Loss rate: 0.01%

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

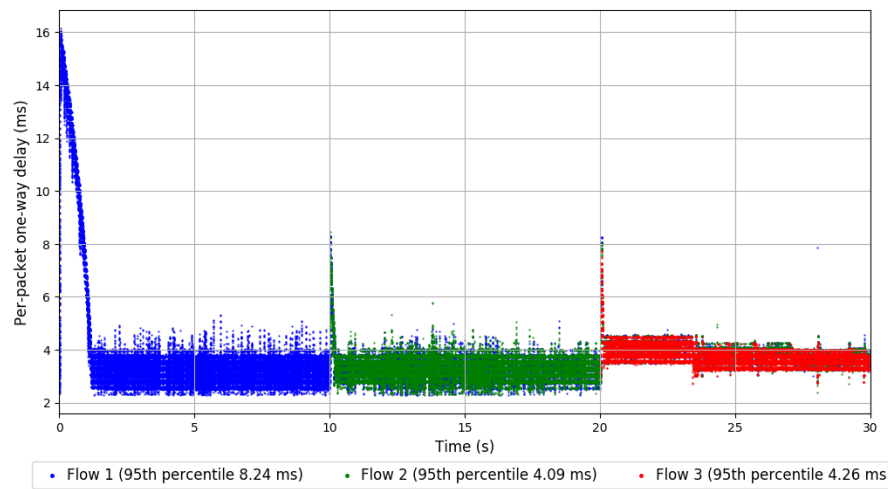
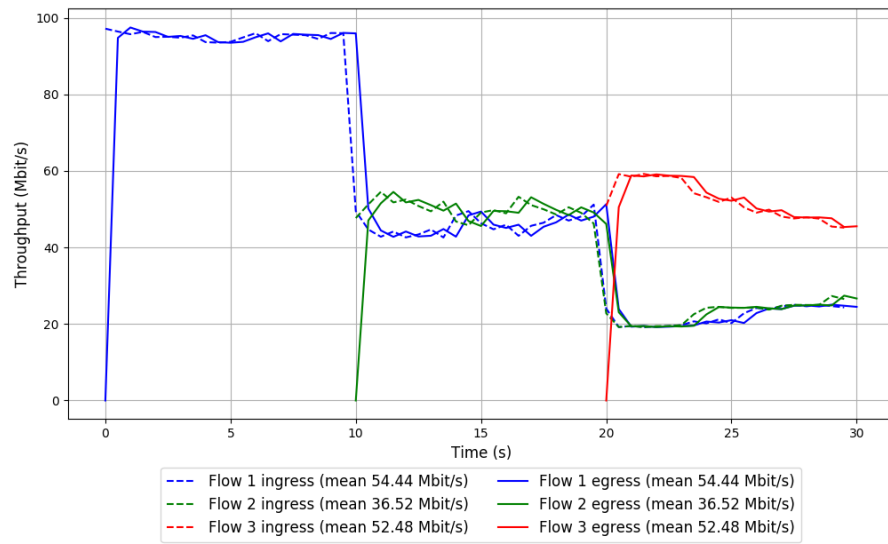


Run 1: Statistics of TCP Vegas

Start at: 2018-05-30 15:55:08
End at: 2018-05-30 15:55:38
Local clock offset: -1.148 ms
Remote clock offset: -1.193 ms

Below is generated by plot.py at 2018-05-30 19:14:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.21 Mbit/s
95th percentile per-packet one-way delay: 4.337 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.44 Mbit/s
95th percentile per-packet one-way delay: 8.245 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.52 Mbit/s
95th percentile per-packet one-way delay: 4.093 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.48 Mbit/s
95th percentile per-packet one-way delay: 4.262 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-05-30 16:13:11

End at: 2018-05-30 16:13:41

Local clock offset: -1.455 ms

Remote clock offset: 1.274 ms

Below is generated by plot.py at 2018-05-30 19:14:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.80 Mbit/s

95th percentile per-packet one-way delay: 3.293 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 50.29 Mbit/s

95th percentile per-packet one-way delay: 2.912 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 34.75 Mbit/s

95th percentile per-packet one-way delay: 3.097 ms

Loss rate: 0.00%

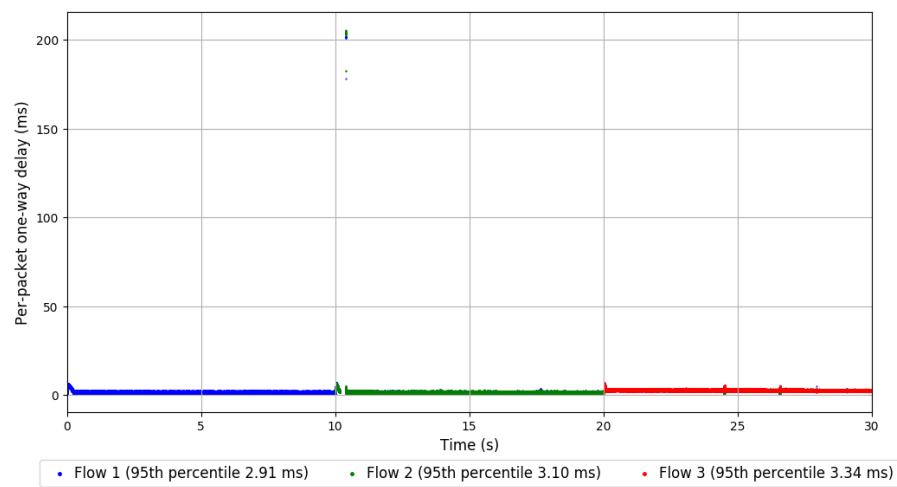
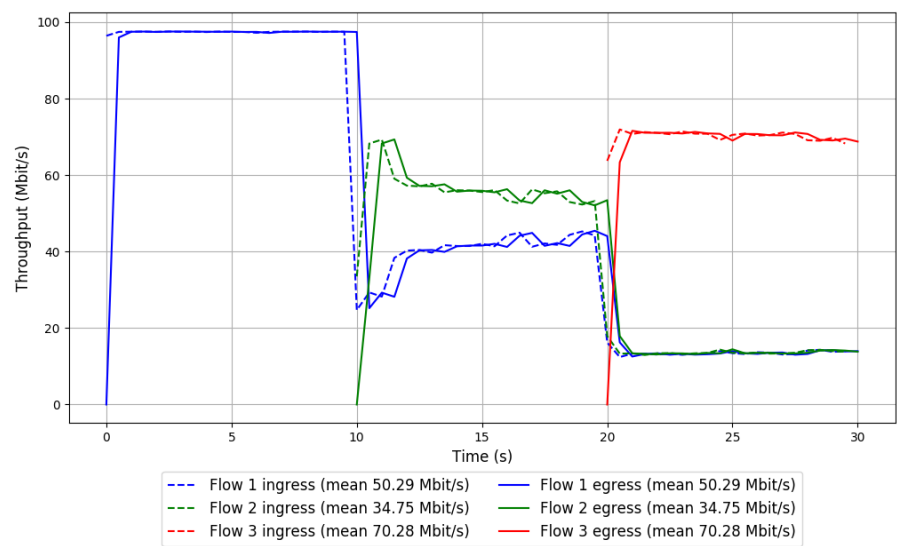
-- Flow 3:

Average throughput: 70.28 Mbit/s

95th percentile per-packet one-way delay: 3.344 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-05-30 16:31:21

End at: 2018-05-30 16:31:51

Local clock offset: -0.883 ms

Remote clock offset: 2.328 ms

Below is generated by plot.py at 2018-05-30 19:14:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.82 Mbit/s

95th percentile per-packet one-way delay: 3.959 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 57.16 Mbit/s

95th percentile per-packet one-way delay: 7.533 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 42.05 Mbit/s

95th percentile per-packet one-way delay: 3.383 ms

Loss rate: 0.00%

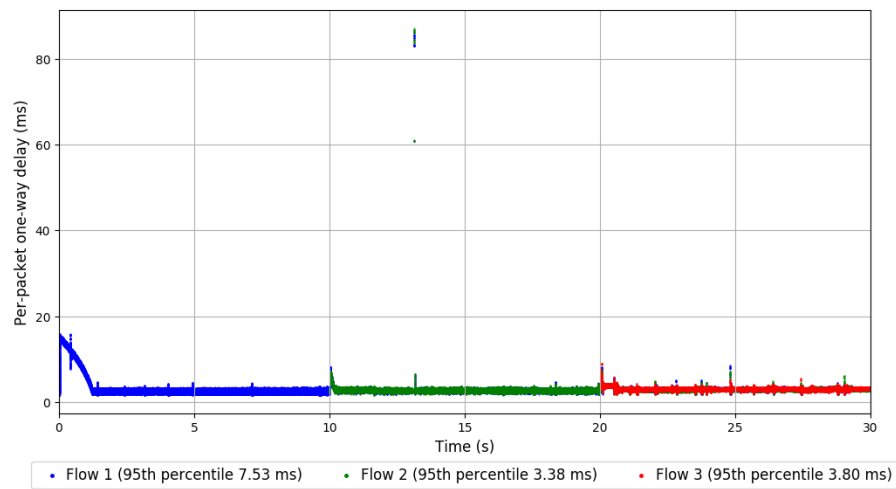
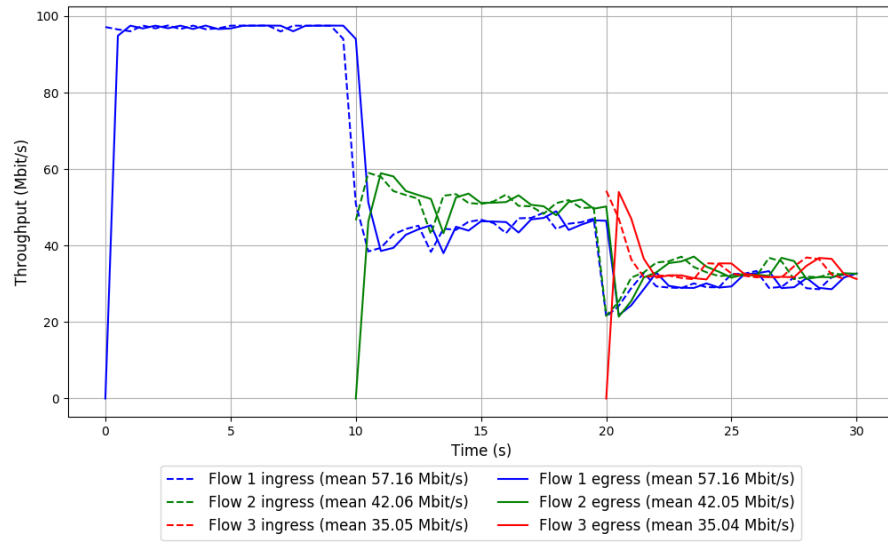
-- Flow 3:

Average throughput: 35.04 Mbit/s

95th percentile per-packet one-way delay: 3.798 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

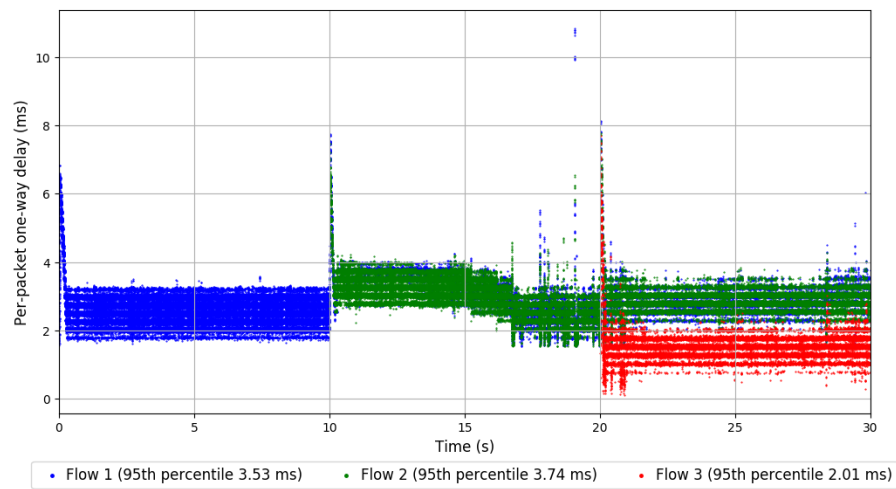
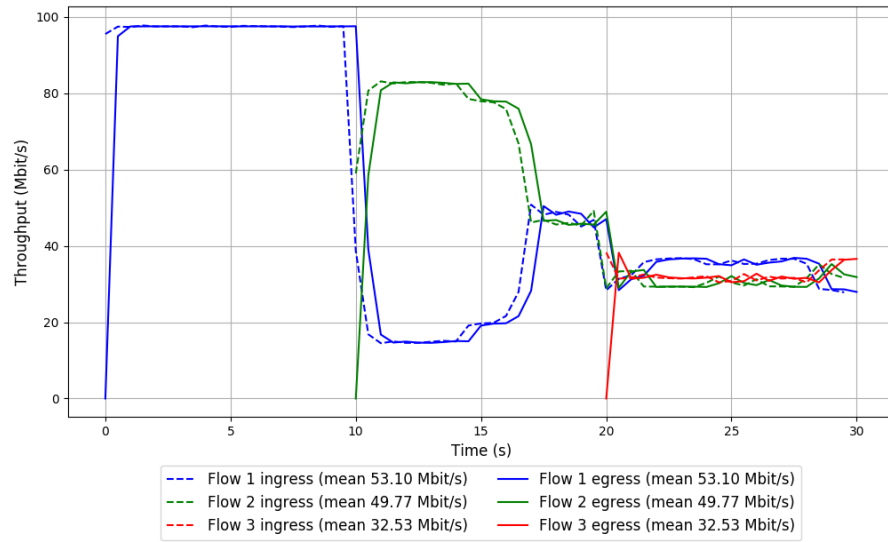


Run 4: Statistics of TCP Vegas

Start at: 2018-05-30 16:50:15
End at: 2018-05-30 16:50:45
Local clock offset: -0.958 ms
Remote clock offset: -1.784 ms

Below is generated by plot.py at 2018-05-30 19:14:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 3.698 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.10 Mbit/s
95th percentile per-packet one-way delay: 3.534 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 49.77 Mbit/s
95th percentile per-packet one-way delay: 3.736 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.53 Mbit/s
95th percentile per-packet one-way delay: 2.006 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-05-30 17:08:56

End at: 2018-05-30 17:09:26

Local clock offset: -1.2 ms

Remote clock offset: -4.3 ms

Below is generated by plot.py at 2018-05-30 19:14:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.92 Mbit/s

95th percentile per-packet one-way delay: 3.298 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 51.37 Mbit/s

95th percentile per-packet one-way delay: 2.074 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 51.91 Mbit/s

95th percentile per-packet one-way delay: 3.375 ms

Loss rate: 0.00%

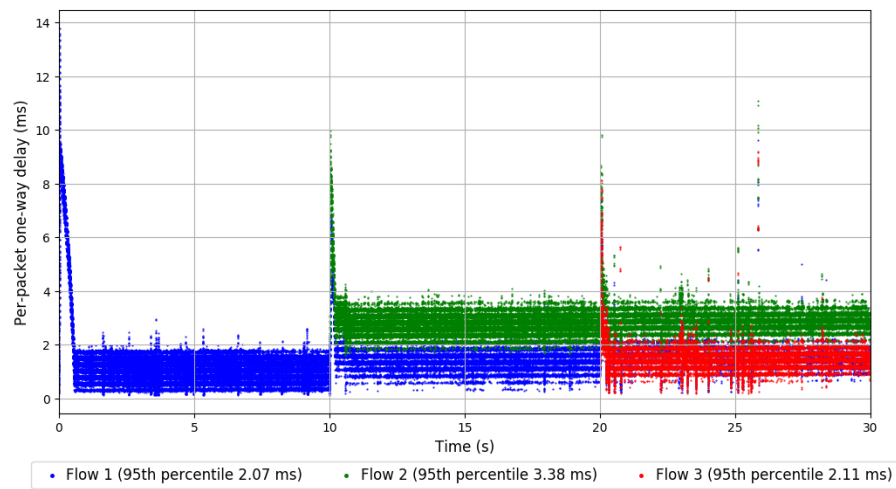
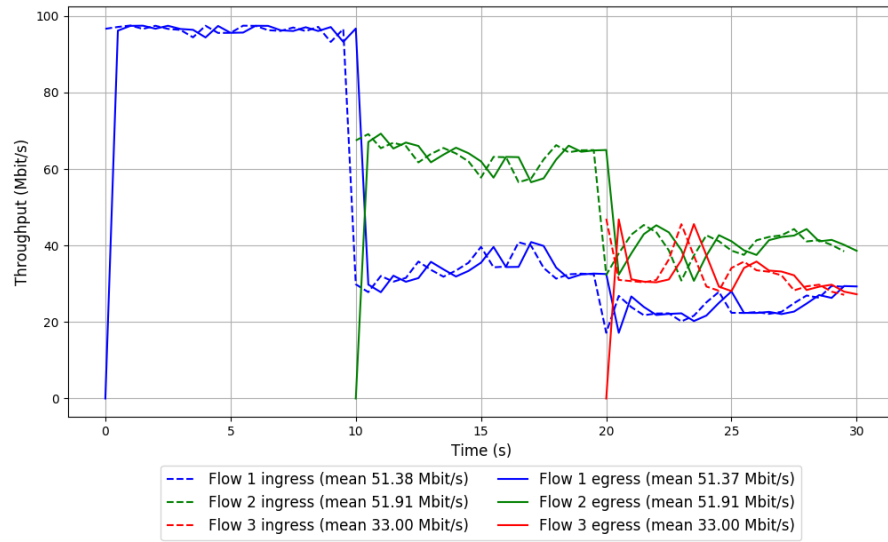
-- Flow 3:

Average throughput: 33.00 Mbit/s

95th percentile per-packet one-way delay: 2.114 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

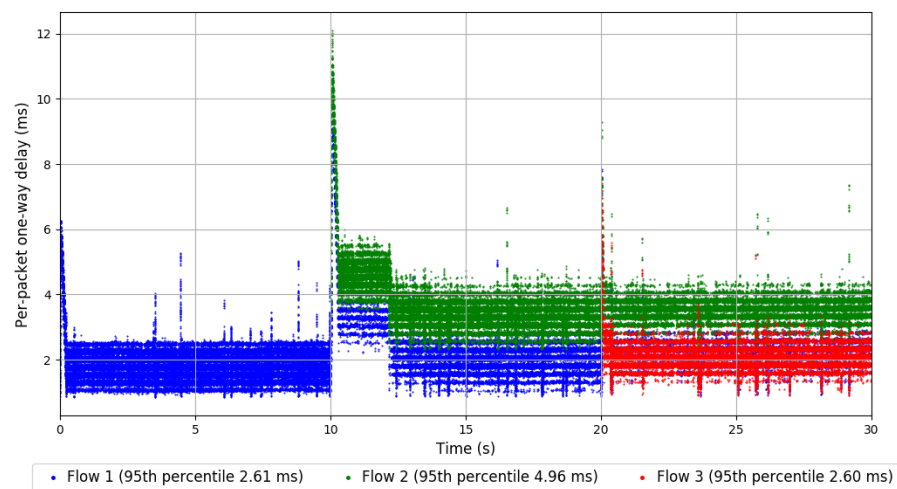
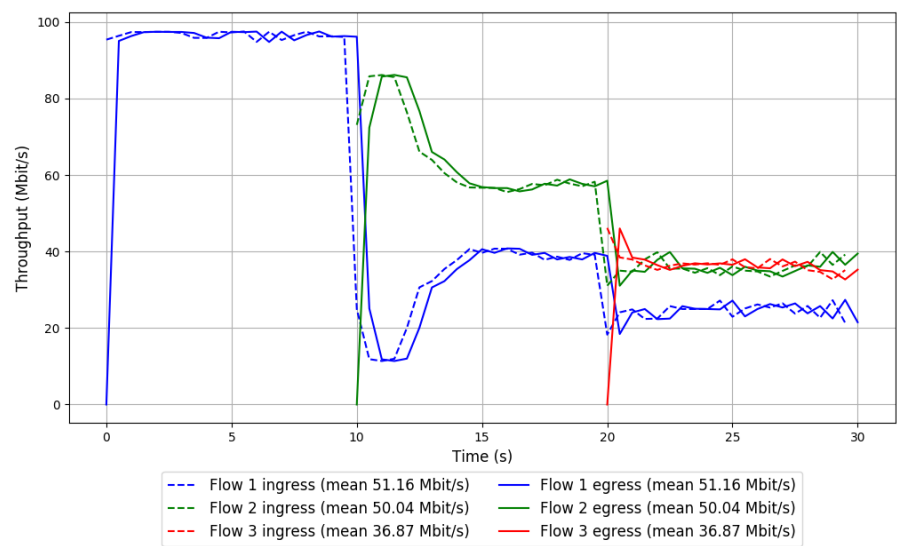


Run 6: Statistics of TCP Vegas

Start at: 2018-05-30 17:27:05
End at: 2018-05-30 17:27:35
Local clock offset: -2.93 ms
Remote clock offset: -8.555 ms

Below is generated by plot.py at 2018-05-30 19:14:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.76 Mbit/s
95th percentile per-packet one-way delay: 4.483 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.16 Mbit/s
95th percentile per-packet one-way delay: 2.610 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.04 Mbit/s
95th percentile per-packet one-way delay: 4.964 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.87 Mbit/s
95th percentile per-packet one-way delay: 2.597 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

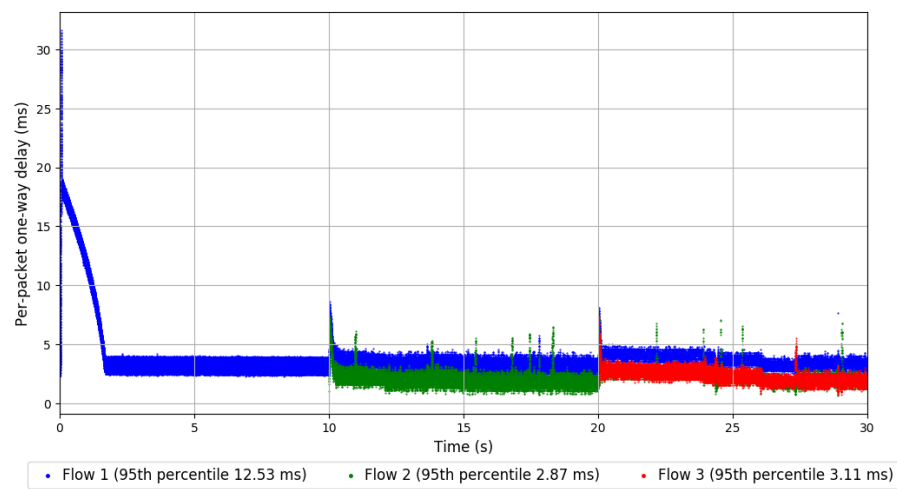
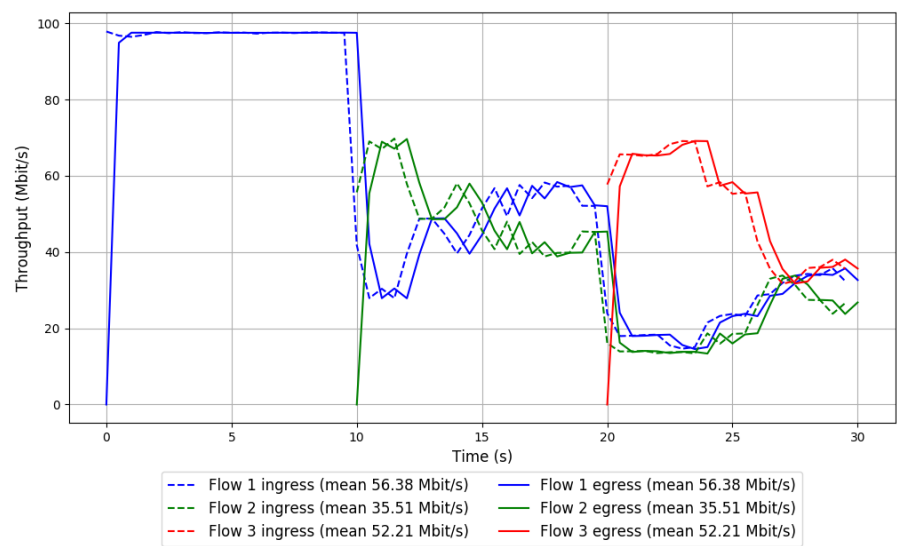


Run 7: Statistics of TCP Vegas

Start at: 2018-05-30 17:45:14
End at: 2018-05-30 17:45:44
Local clock offset: -3.142 ms
Remote clock offset: -6.235 ms

Below is generated by plot.py at 2018-05-30 19:15:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 6.496 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.38 Mbit/s
95th percentile per-packet one-way delay: 12.528 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.51 Mbit/s
95th percentile per-packet one-way delay: 2.868 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.21 Mbit/s
95th percentile per-packet one-way delay: 3.106 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

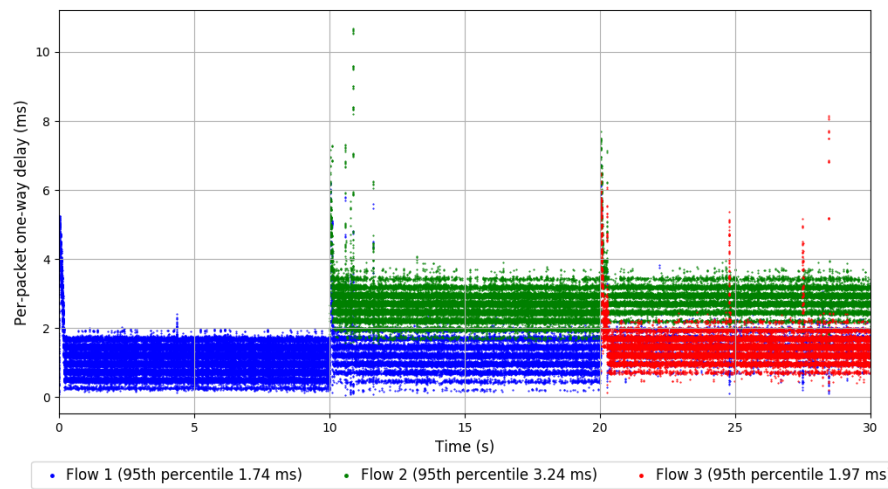
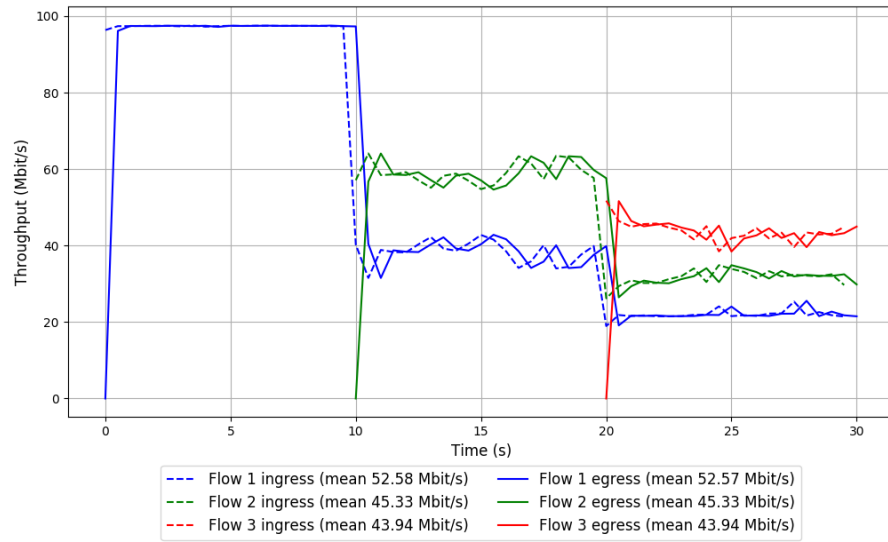


Run 8: Statistics of TCP Vegas

Start at: 2018-05-30 18:03:19
End at: 2018-05-30 18:03:49
Local clock offset: -2.513 ms
Remote clock offset: -2.999 ms

```
# Below is generated by plot.py at 2018-05-30 19:15:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 3.058 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.57 Mbit/s
95th percentile per-packet one-way delay: 1.740 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.33 Mbit/s
95th percentile per-packet one-way delay: 3.238 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 43.94 Mbit/s
95th percentile per-packet one-way delay: 1.966 ms
Loss rate: 0.00%
```

Run 8: Report of TCP Vegas — Data Link

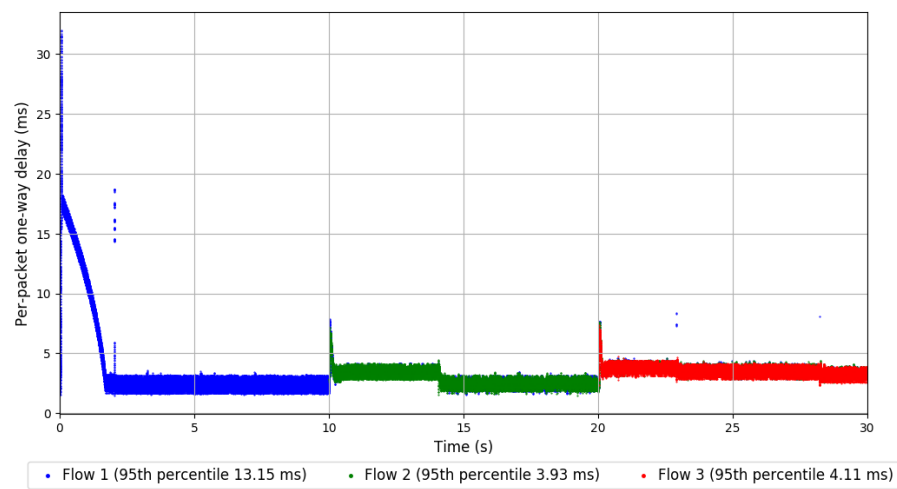
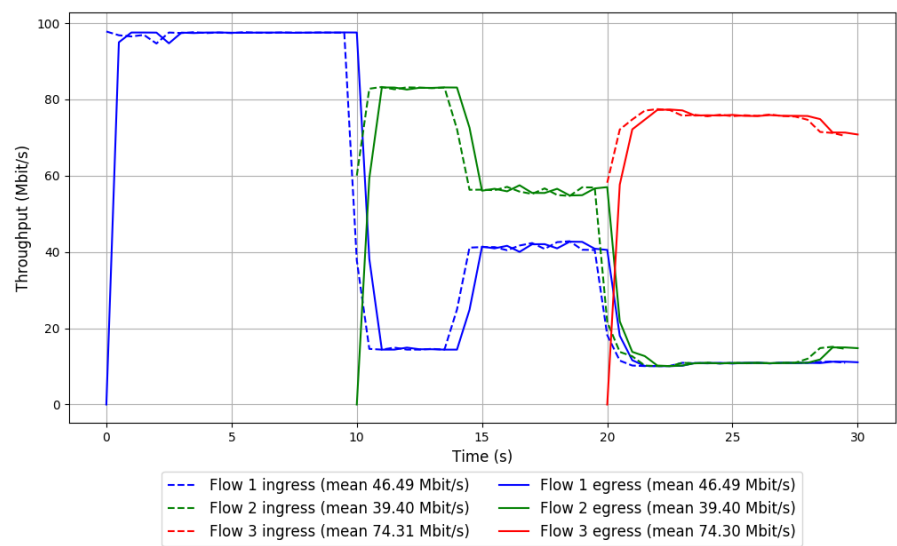


Run 9: Statistics of TCP Vegas

Start at: 2018-05-30 18:21:22
End at: 2018-05-30 18:21:52
Local clock offset: -6.513 ms
Remote clock offset: -2.763 ms

Below is generated by plot.py at 2018-05-30 19:15:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 6.200 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.49 Mbit/s
95th percentile per-packet one-way delay: 13.153 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.40 Mbit/s
95th percentile per-packet one-way delay: 3.928 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 74.30 Mbit/s
95th percentile per-packet one-way delay: 4.111 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

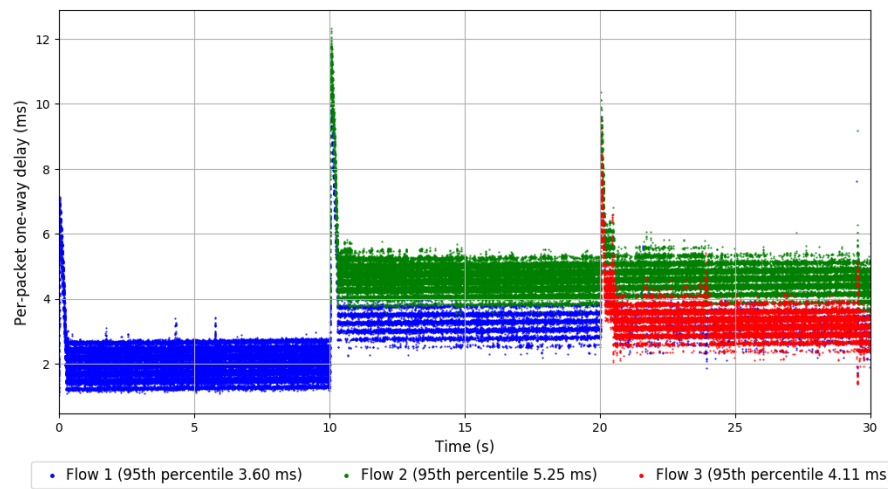
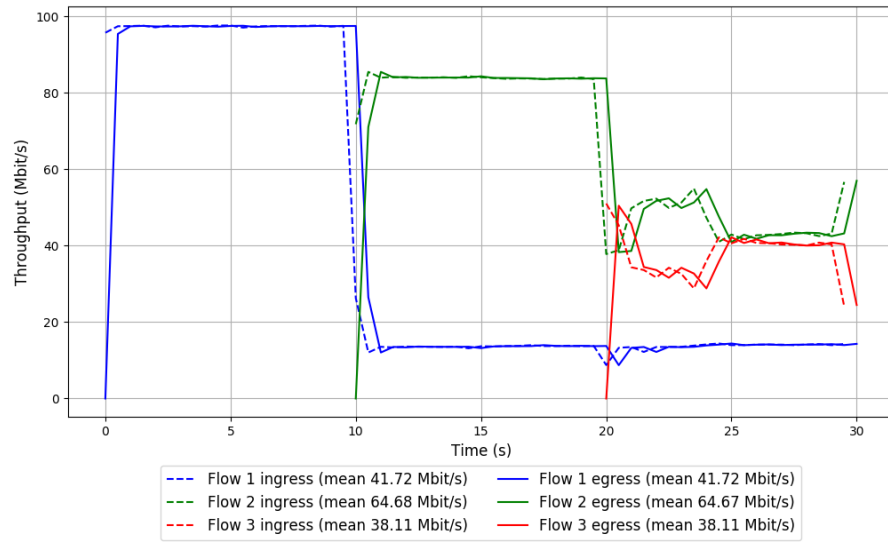


Run 10: Statistics of TCP Vegas

Start at: 2018-05-30 18:39:27
End at: 2018-05-30 18:39:57
Local clock offset: -6.929 ms
Remote clock offset: -2.866 ms

Below is generated by plot.py at 2018-05-30 19:15:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 5.079 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.72 Mbit/s
95th percentile per-packet one-way delay: 3.602 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 64.67 Mbit/s
95th percentile per-packet one-way delay: 5.250 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 38.11 Mbit/s
95th percentile per-packet one-way delay: 4.114 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

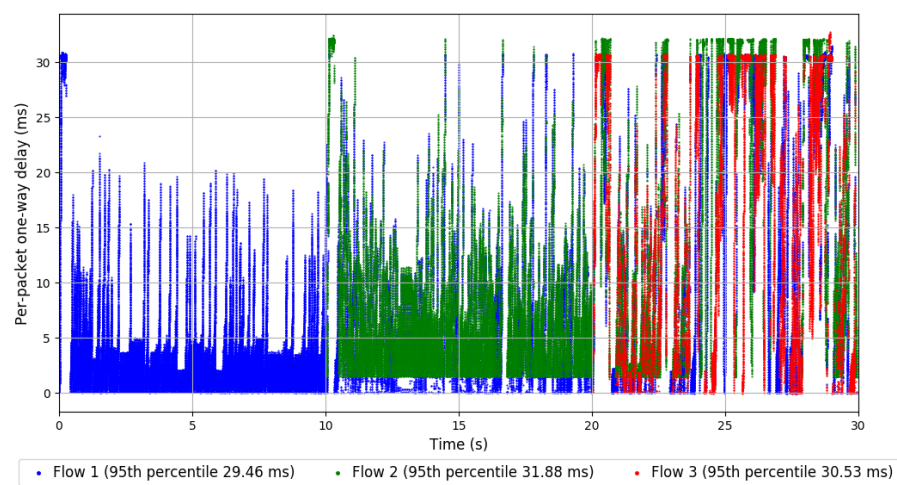
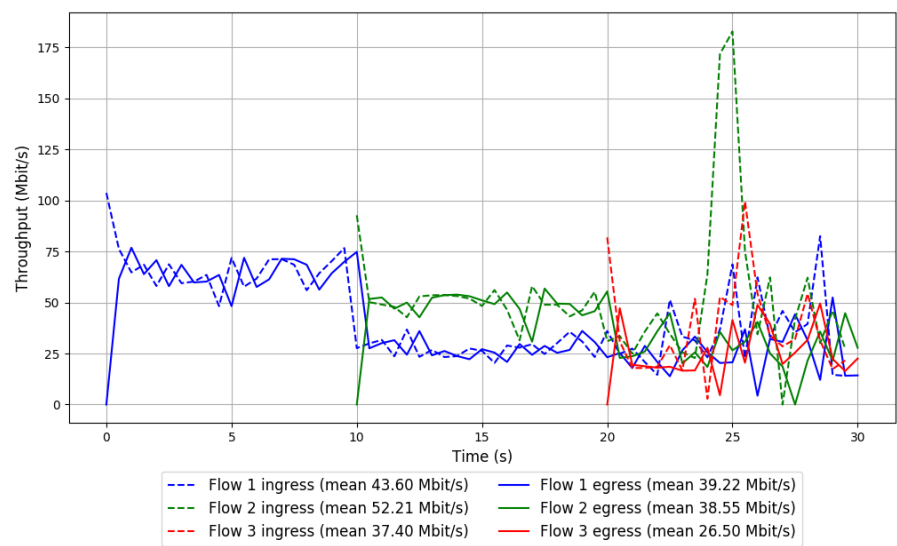


Run 1: Statistics of Verus

Start at: 2018-05-30 15:57:26
End at: 2018-05-30 15:57:56
Local clock offset: -0.344 ms
Remote clock offset: -0.984 ms

Below is generated by plot.py at 2018-05-30 19:15:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.63 Mbit/s
95th percentile per-packet one-way delay: 30.533 ms
Loss rate: 18.85%
-- Flow 1:
Average throughput: 39.22 Mbit/s
95th percentile per-packet one-way delay: 29.456 ms
Loss rate: 10.06%
-- Flow 2:
Average throughput: 38.55 Mbit/s
95th percentile per-packet one-way delay: 31.881 ms
Loss rate: 26.21%
-- Flow 3:
Average throughput: 26.50 Mbit/s
95th percentile per-packet one-way delay: 30.531 ms
Loss rate: 29.13%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-05-30 16:15:29

End at: 2018-05-30 16:15:59

Local clock offset: -1.551 ms

Remote clock offset: 1.515 ms

Below is generated by plot.py at 2018-05-30 19:15:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.20 Mbit/s

95th percentile per-packet one-way delay: 28.928 ms

Loss rate: 3.98%

-- Flow 1:

Average throughput: 45.35 Mbit/s

95th percentile per-packet one-way delay: 27.096 ms

Loss rate: 3.73%

-- Flow 2:

Average throughput: 35.10 Mbit/s

95th percentile per-packet one-way delay: 28.504 ms

Loss rate: 2.96%

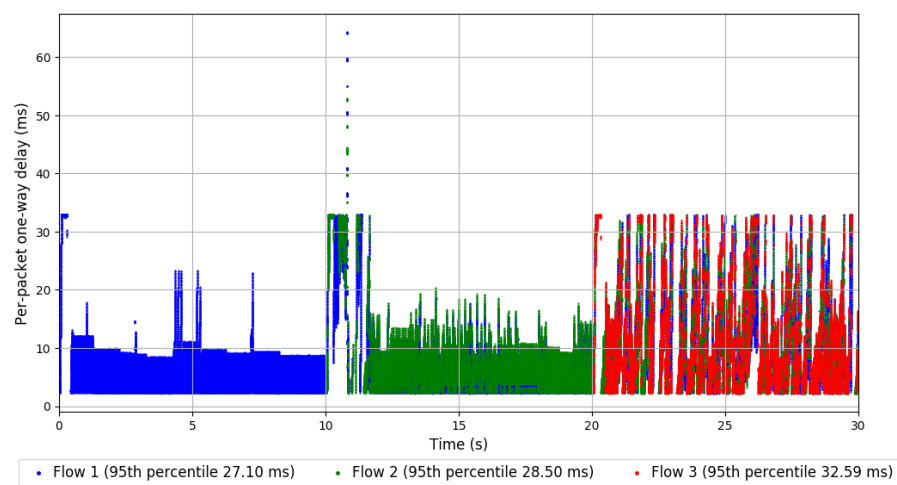
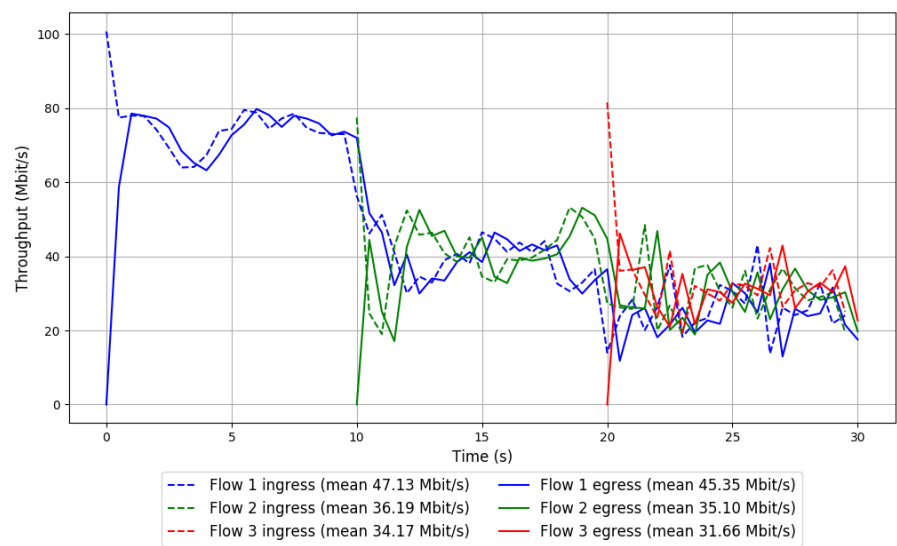
-- Flow 3:

Average throughput: 31.66 Mbit/s

95th percentile per-packet one-way delay: 32.592 ms

Loss rate: 7.19%

Run 2: Report of Verus — Data Link

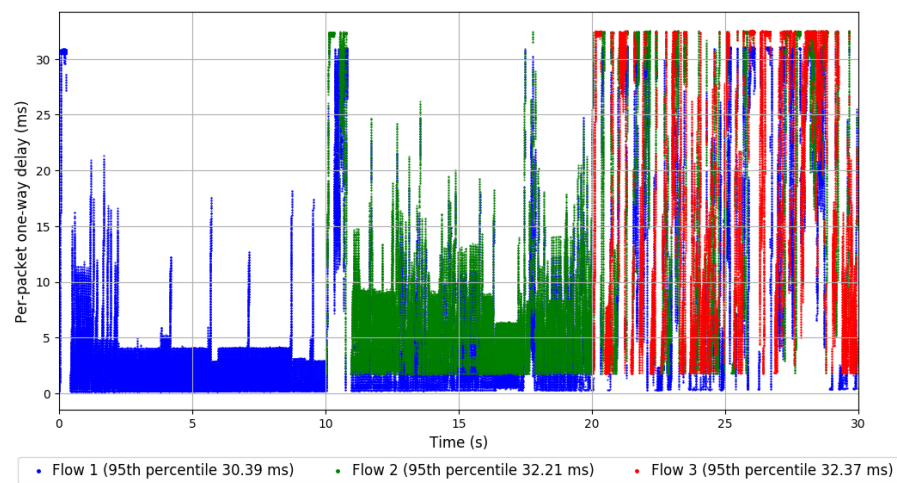
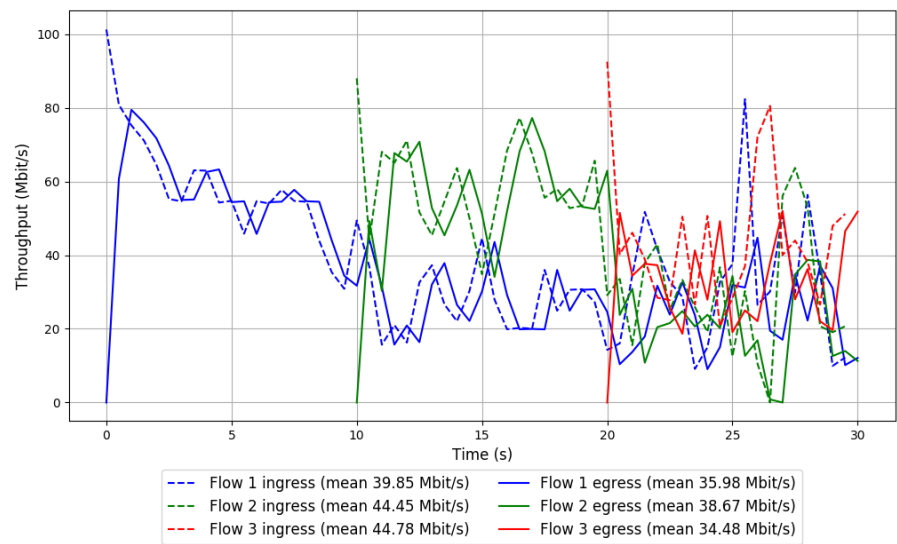


Run 3: Statistics of Verus

Start at: 2018-05-30 16:33:39
End at: 2018-05-30 16:34:09
Local clock offset: -0.929 ms
Remote clock offset: 1.243 ms

Below is generated by plot.py at 2018-05-30 19:15:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.13 Mbit/s
95th percentile per-packet one-way delay: 31.633 ms
Loss rate: 13.20%
-- Flow 1:
Average throughput: 35.98 Mbit/s
95th percentile per-packet one-way delay: 30.395 ms
Loss rate: 9.71%
-- Flow 2:
Average throughput: 38.67 Mbit/s
95th percentile per-packet one-way delay: 32.209 ms
Loss rate: 13.00%
-- Flow 3:
Average throughput: 34.48 Mbit/s
95th percentile per-packet one-way delay: 32.369 ms
Loss rate: 22.97%

Run 3: Report of Verus — Data Link

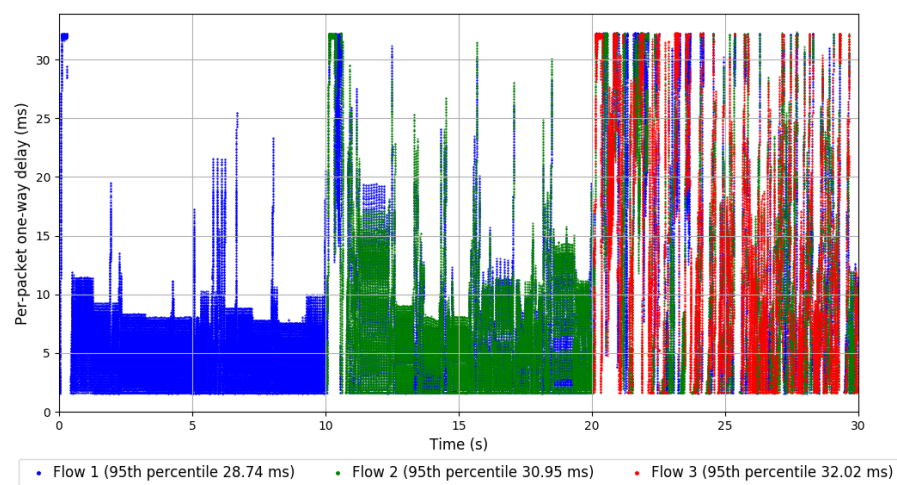
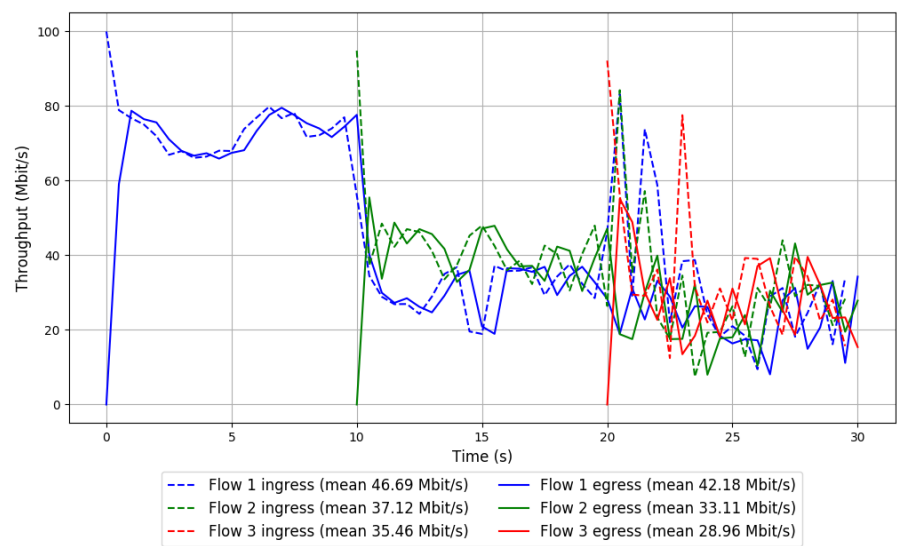


Run 4: Statistics of Verus

Start at: 2018-05-30 16:52:53
End at: 2018-05-30 16:53:23
Local clock offset: -0.94 ms
Remote clock offset: -1.957 ms

Below is generated by plot.py at 2018-05-30 19:15:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.80 Mbit/s
95th percentile per-packet one-way delay: 30.426 ms
Loss rate: 11.20%
-- Flow 1:
Average throughput: 42.18 Mbit/s
95th percentile per-packet one-way delay: 28.736 ms
Loss rate: 9.64%
-- Flow 2:
Average throughput: 33.11 Mbit/s
95th percentile per-packet one-way delay: 30.948 ms
Loss rate: 10.79%
-- Flow 3:
Average throughput: 28.96 Mbit/s
95th percentile per-packet one-way delay: 32.025 ms
Loss rate: 18.27%

Run 4: Report of Verus — Data Link

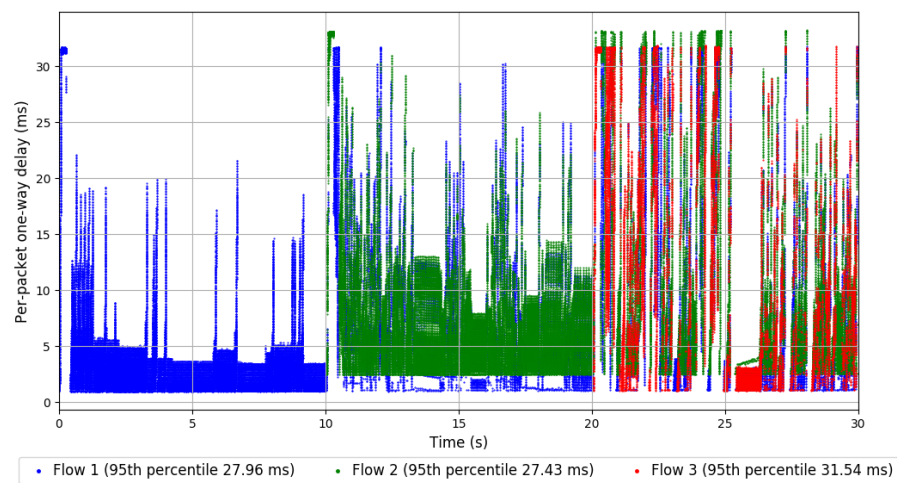
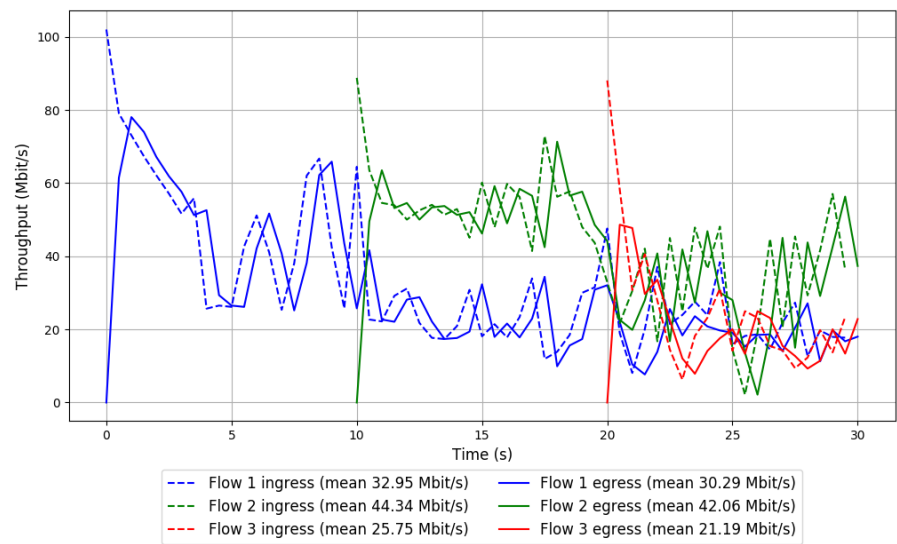


Run 5: Statistics of Verus

Start at: 2018-05-30 17:11:14
End at: 2018-05-30 17:11:44
Local clock offset: -2.221 ms
Remote clock offset: -5.175 ms

Below is generated by plot.py at 2018-05-30 19:16:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.30 Mbit/s
95th percentile per-packet one-way delay: 29.734 ms
Loss rate: 7.93%
-- Flow 1:
Average throughput: 30.29 Mbit/s
95th percentile per-packet one-way delay: 27.964 ms
Loss rate: 7.97%
-- Flow 2:
Average throughput: 42.06 Mbit/s
95th percentile per-packet one-way delay: 27.426 ms
Loss rate: 5.14%
-- Flow 3:
Average throughput: 21.19 Mbit/s
95th percentile per-packet one-way delay: 31.536 ms
Loss rate: 17.48%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-05-30 17:29:23

End at: 2018-05-30 17:29:53

Local clock offset: -2.212 ms

Remote clock offset: -8.98 ms

Below is generated by plot.py at 2018-05-30 19:16:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.20 Mbit/s

95th percentile per-packet one-way delay: 28.061 ms

Loss rate: 5.22%

-- Flow 1:

Average throughput: 51.27 Mbit/s

95th percentile per-packet one-way delay: 22.452 ms

Loss rate: 3.49%

-- Flow 2:

Average throughput: 24.64 Mbit/s

95th percentile per-packet one-way delay: 29.502 ms

Loss rate: 7.15%

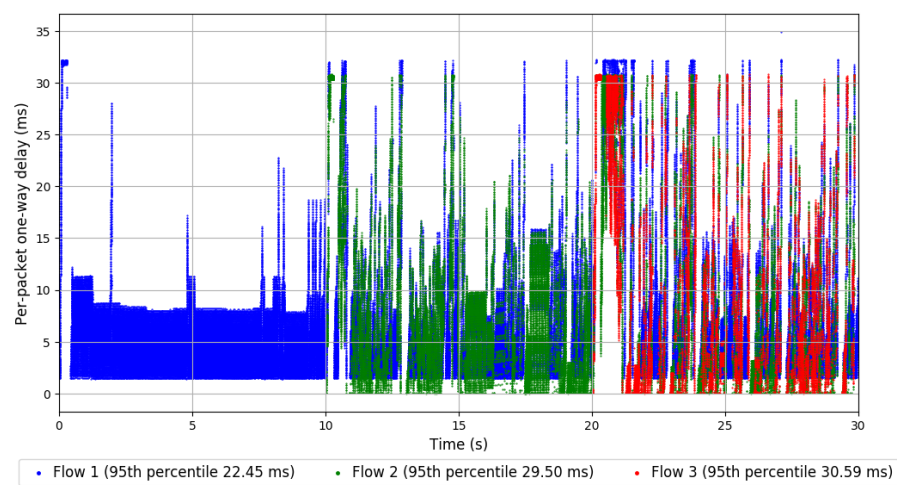
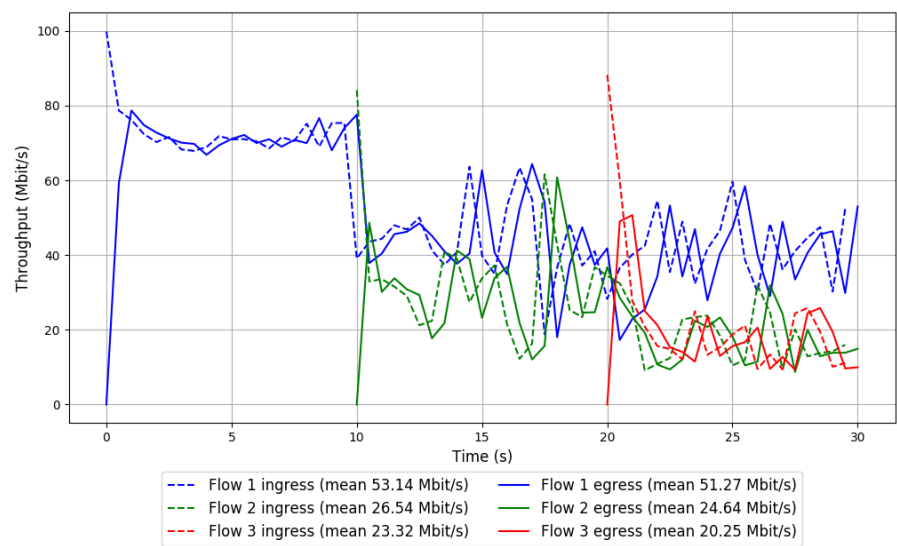
-- Flow 3:

Average throughput: 20.25 Mbit/s

95th percentile per-packet one-way delay: 30.586 ms

Loss rate: 12.89%

Run 6: Report of Verus — Data Link

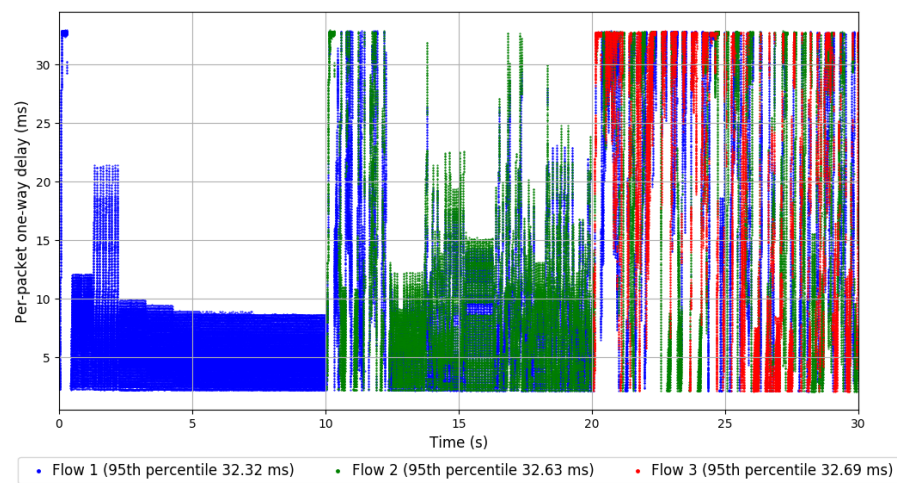
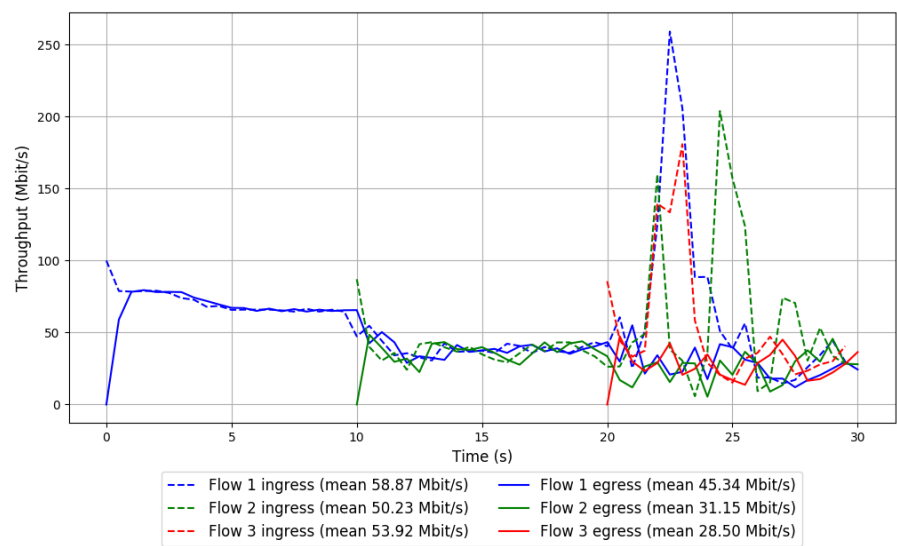


Run 7: Statistics of Verus

Start at: 2018-05-30 17:47:32
End at: 2018-05-30 17:48:02
Local clock offset: -3.15 ms
Remote clock offset: -5.442 ms

Below is generated by plot.py at 2018-05-30 19:16:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.31 Mbit/s
95th percentile per-packet one-way delay: 32.609 ms
Loss rate: 31.40%
-- Flow 1:
Average throughput: 45.34 Mbit/s
95th percentile per-packet one-way delay: 32.323 ms
Loss rate: 22.91%
-- Flow 2:
Average throughput: 31.15 Mbit/s
95th percentile per-packet one-way delay: 32.627 ms
Loss rate: 37.91%
-- Flow 3:
Average throughput: 28.50 Mbit/s
95th percentile per-packet one-way delay: 32.691 ms
Loss rate: 47.04%

Run 7: Report of Verus — Data Link

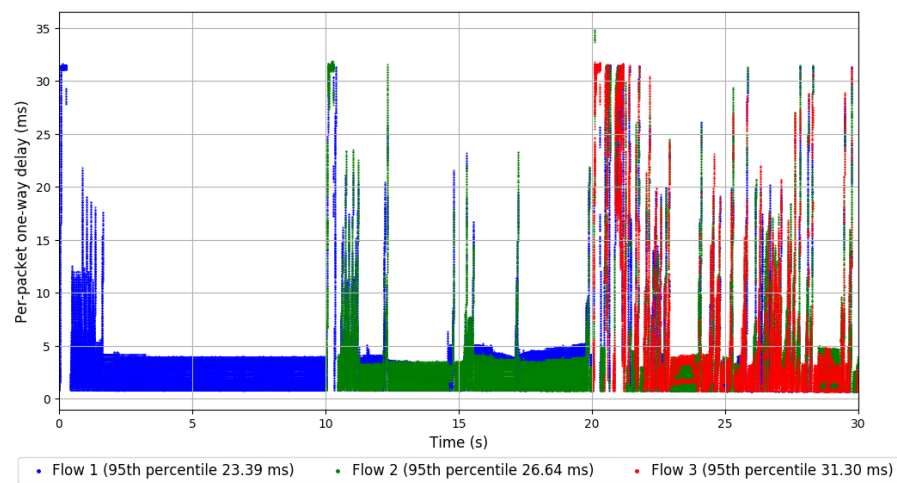
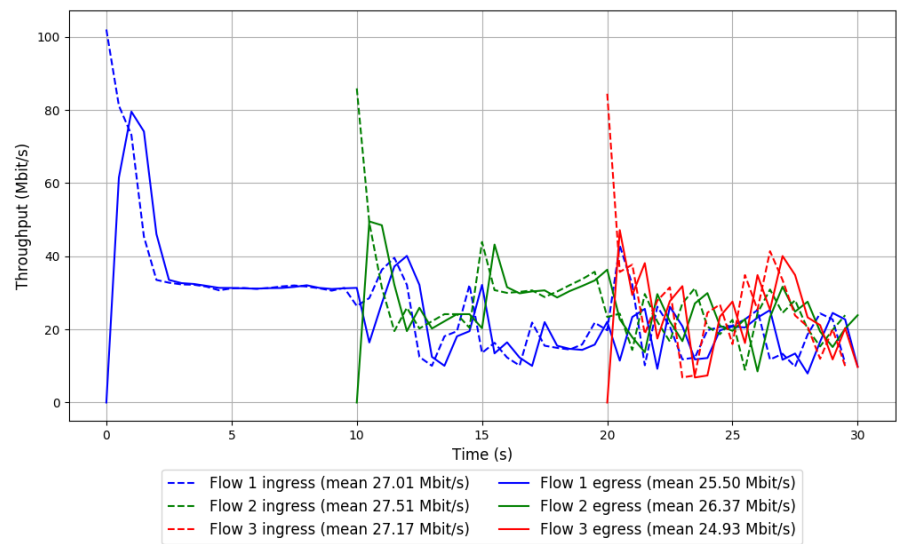


Run 8: Statistics of Verus

Start at: 2018-05-30 18:05:37
End at: 2018-05-30 18:06:07
Local clock offset: -3.285 ms
Remote clock offset: -2.893 ms

Below is generated by plot.py at 2018-05-30 19:16:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.31 Mbit/s
95th percentile per-packet one-way delay: 28.191 ms
Loss rate: 5.54%
-- Flow 1:
Average throughput: 25.50 Mbit/s
95th percentile per-packet one-way delay: 23.390 ms
Loss rate: 5.60%
-- Flow 2:
Average throughput: 26.37 Mbit/s
95th percentile per-packet one-way delay: 26.642 ms
Loss rate: 4.13%
-- Flow 3:
Average throughput: 24.93 Mbit/s
95th percentile per-packet one-way delay: 31.302 ms
Loss rate: 8.25%

Run 8: Report of Verus — Data Link

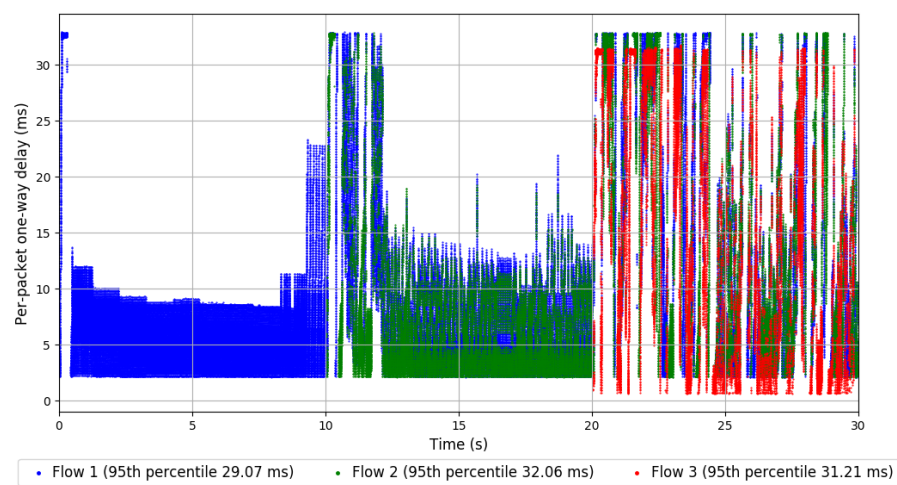
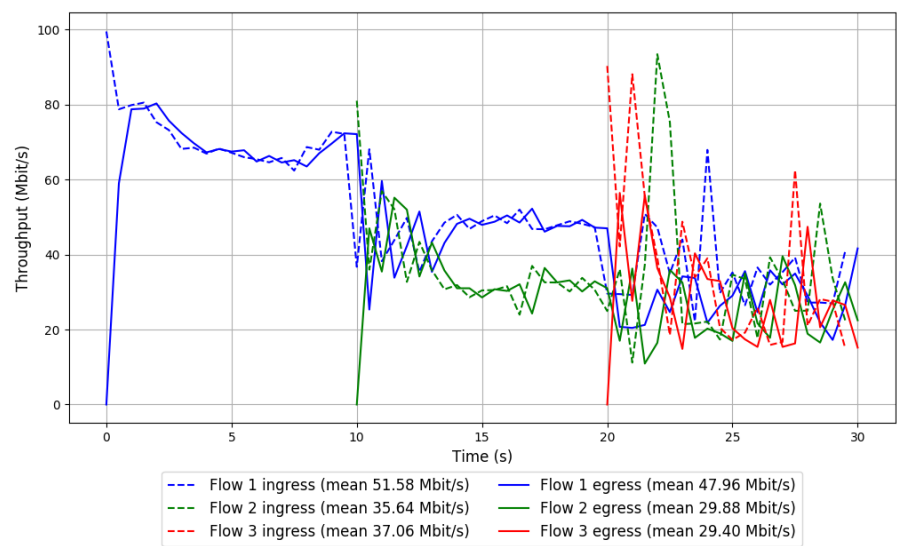


Run 9: Statistics of Verus

Start at: 2018-05-30 18:23:40
End at: 2018-05-30 18:24:10
Local clock offset: -7.568 ms
Remote clock offset: -2.891 ms

Below is generated by plot.py at 2018-05-30 19:16:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.46 Mbit/s
95th percentile per-packet one-way delay: 31.153 ms
Loss rate: 11.35%
-- Flow 1:
Average throughput: 47.96 Mbit/s
95th percentile per-packet one-way delay: 29.074 ms
Loss rate: 7.01%
-- Flow 2:
Average throughput: 29.88 Mbit/s
95th percentile per-packet one-way delay: 32.065 ms
Loss rate: 16.16%
-- Flow 3:
Average throughput: 29.40 Mbit/s
95th percentile per-packet one-way delay: 31.209 ms
Loss rate: 20.45%

Run 9: Report of Verus — Data Link

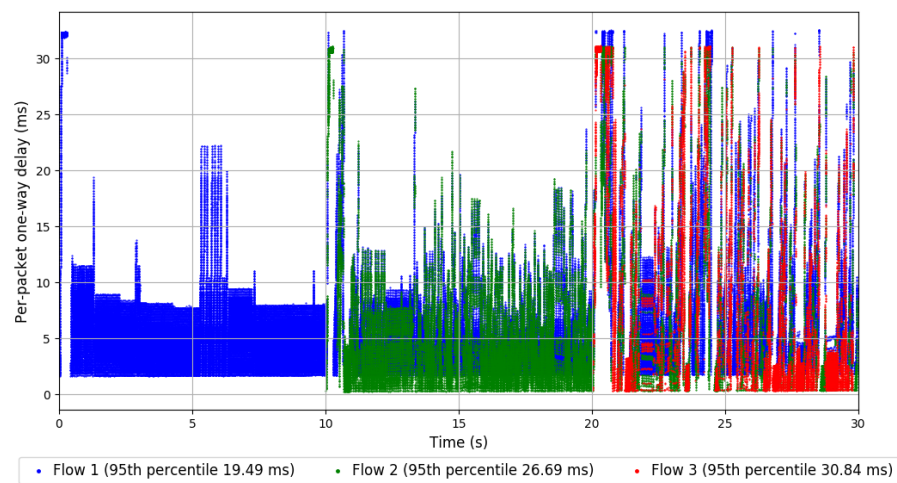
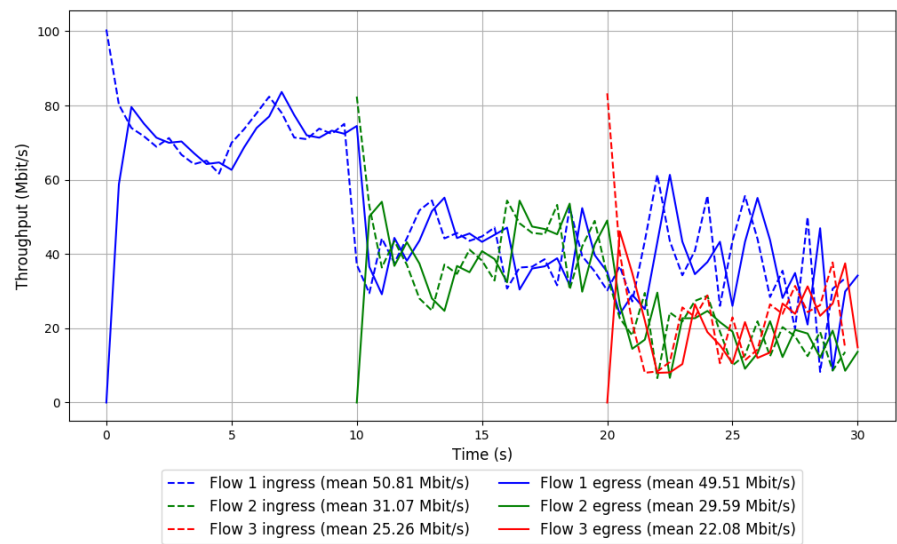


Run 10: Statistics of Verus

Start at: 2018-05-30 18:41:45
End at: 2018-05-30 18:42:15
Local clock offset: -5.155 ms
Remote clock offset: -2.891 ms

Below is generated by plot.py at 2018-05-30 19:16:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.43 Mbit/s
95th percentile per-packet one-way delay: 24.364 ms
Loss rate: 4.12%
-- Flow 1:
Average throughput: 49.51 Mbit/s
95th percentile per-packet one-way delay: 19.493 ms
Loss rate: 2.52%
-- Flow 2:
Average throughput: 29.59 Mbit/s
95th percentile per-packet one-way delay: 26.692 ms
Loss rate: 4.73%
-- Flow 3:
Average throughput: 22.08 Mbit/s
95th percentile per-packet one-way delay: 30.838 ms
Loss rate: 12.43%

Run 10: Report of Verus — Data Link

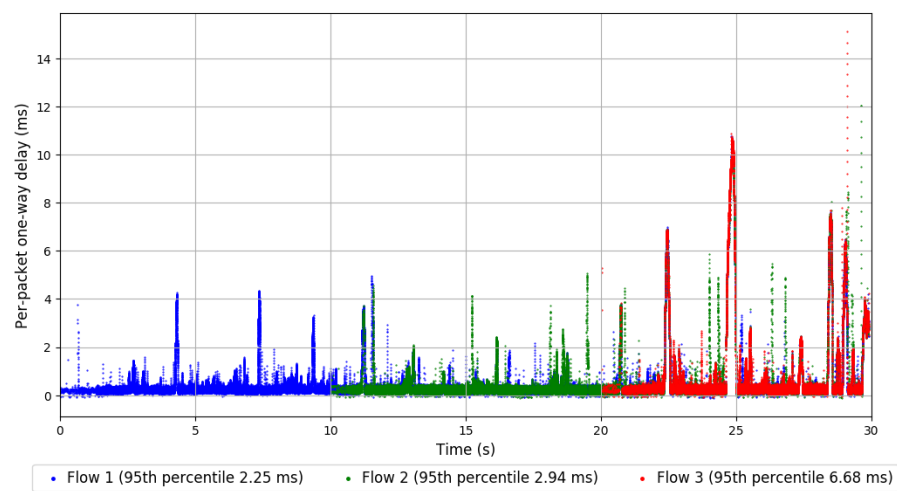
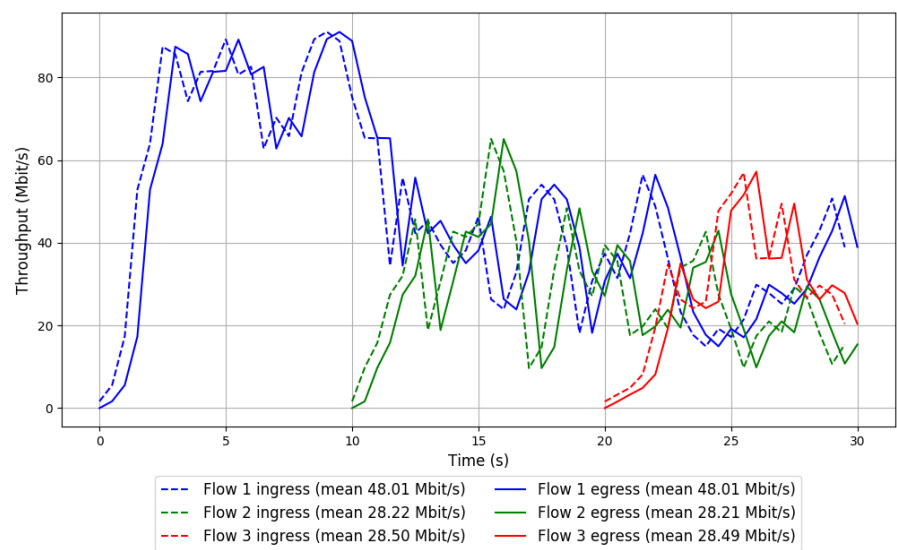


Run 1: Statistics of PCC-Vivace

Start at: 2018-05-30 15:47:17
End at: 2018-05-30 15:47:47
Local clock offset: -0.398 ms
Remote clock offset: -1.649 ms

Below is generated by plot.py at 2018-05-30 19:16:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.18 Mbit/s
95th percentile per-packet one-way delay: 2.998 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.01 Mbit/s
95th percentile per-packet one-way delay: 2.253 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 28.21 Mbit/s
95th percentile per-packet one-way delay: 2.938 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.49 Mbit/s
95th percentile per-packet one-way delay: 6.683 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-05-30 16:05:20

End at: 2018-05-30 16:05:50

Local clock offset: -0.137 ms

Remote clock offset: 0.489 ms

Below is generated by plot.py at 2018-05-30 19:16:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.72 Mbit/s

95th percentile per-packet one-way delay: 14.163 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 57.44 Mbit/s

95th percentile per-packet one-way delay: 13.497 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 28.34 Mbit/s

95th percentile per-packet one-way delay: 17.940 ms

Loss rate: 0.46%

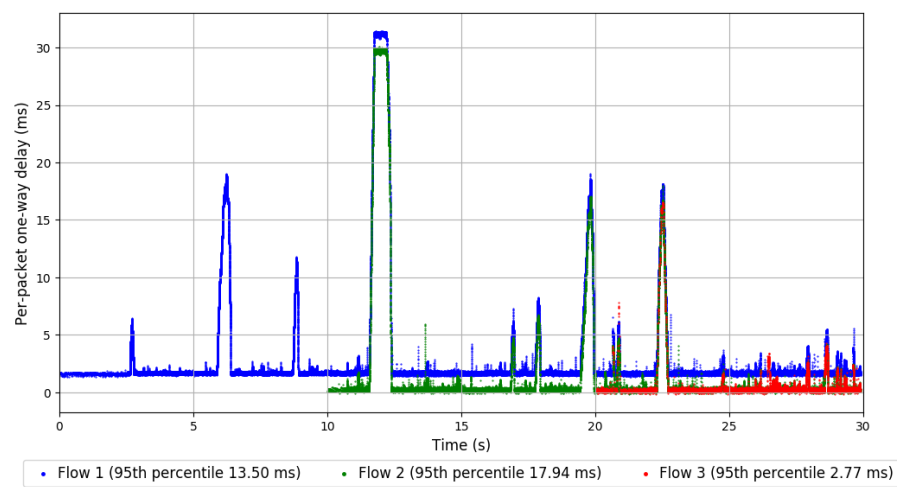
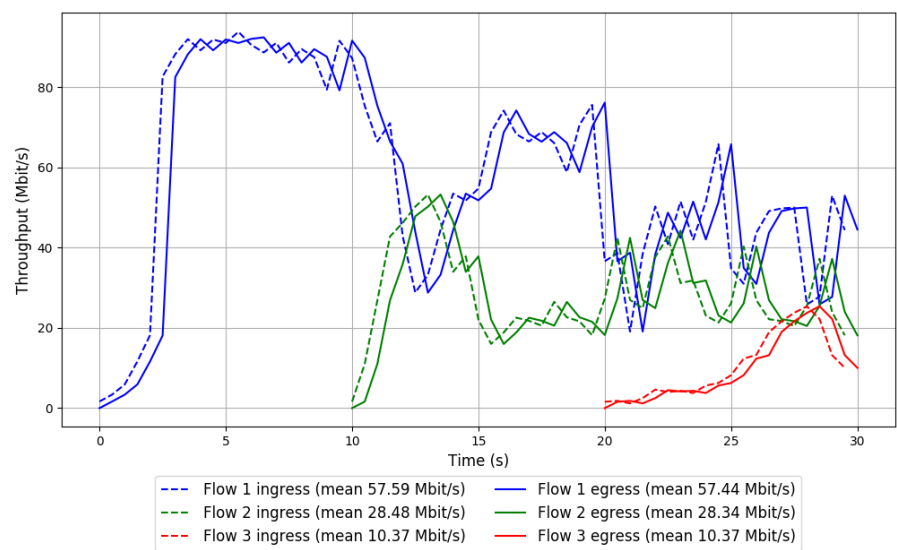
-- Flow 3:

Average throughput: 10.37 Mbit/s

95th percentile per-packet one-way delay: 2.772 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-05-30 16:23:24

End at: 2018-05-30 16:23:54

Local clock offset: -0.918 ms

Remote clock offset: 2.102 ms

Below is generated by plot.py at 2018-05-30 19:17:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.08 Mbit/s

95th percentile per-packet one-way delay: 2.016 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 59.22 Mbit/s

95th percentile per-packet one-way delay: 1.934 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 33.40 Mbit/s

95th percentile per-packet one-way delay: 2.198 ms

Loss rate: 0.00%

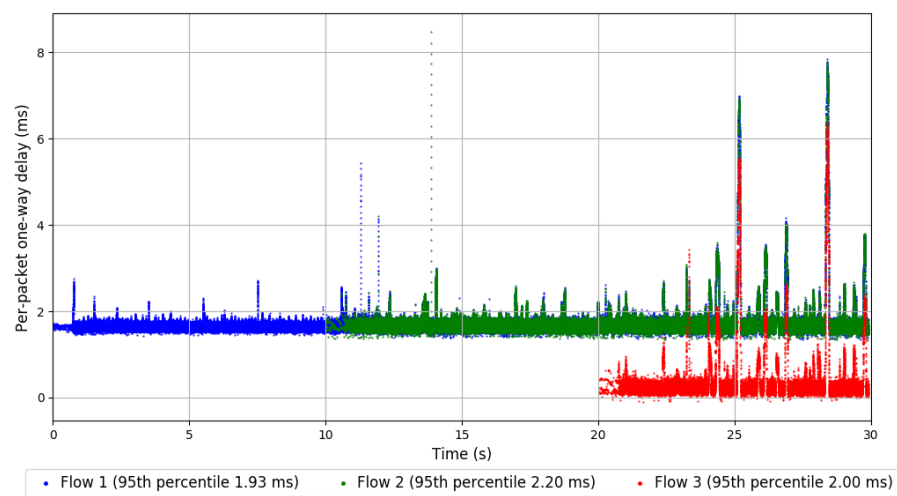
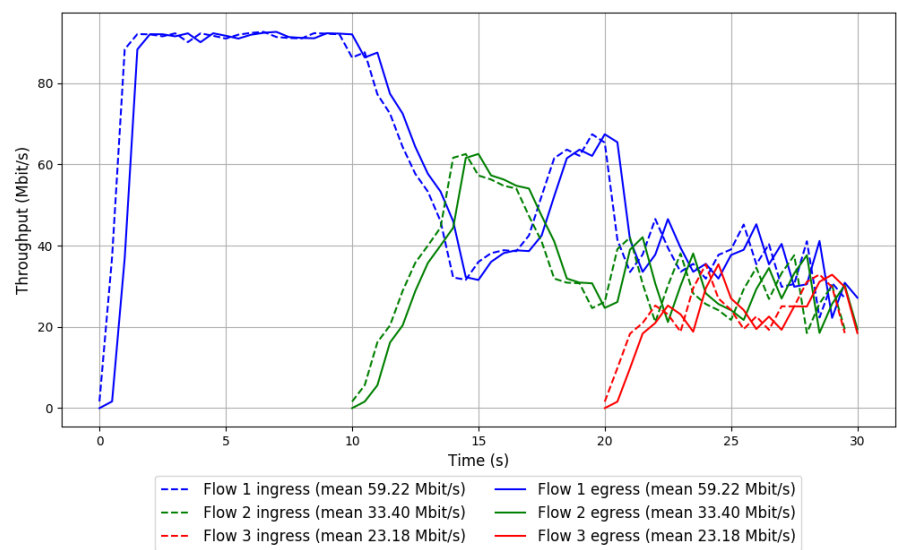
-- Flow 3:

Average throughput: 23.18 Mbit/s

95th percentile per-packet one-way delay: 1.995 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

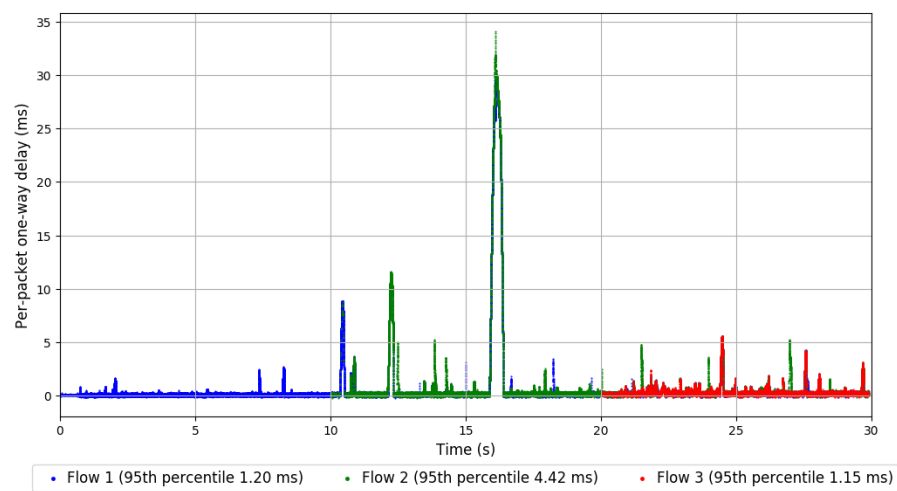
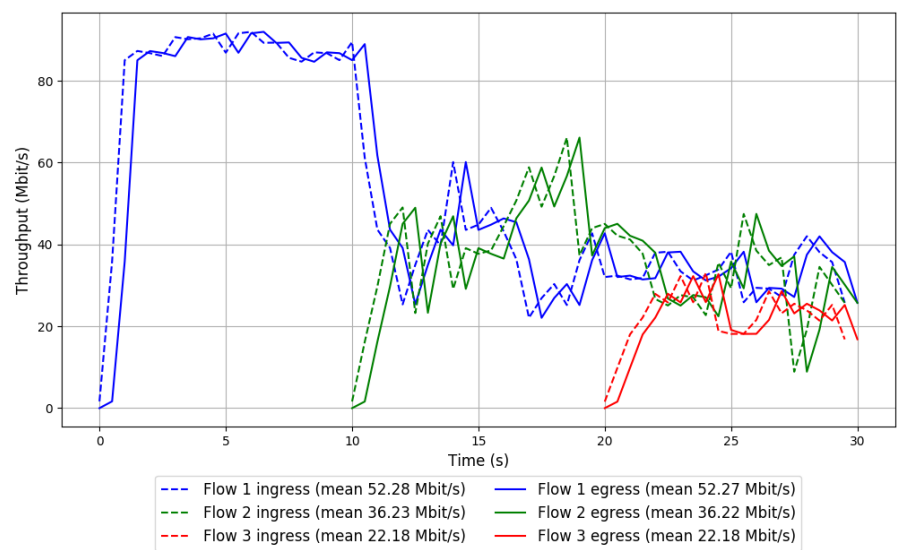


Run 4: Statistics of PCC-Vivace

Start at: 2018-05-30 16:41:33
End at: 2018-05-30 16:42:03
Local clock offset: -0.933 ms
Remote clock offset: -0.984 ms

Below is generated by plot.py at 2018-05-30 19:17:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.69 Mbit/s
95th percentile per-packet one-way delay: 1.666 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 52.27 Mbit/s
95th percentile per-packet one-way delay: 1.202 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 36.22 Mbit/s
95th percentile per-packet one-way delay: 4.421 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 22.18 Mbit/s
95th percentile per-packet one-way delay: 1.151 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

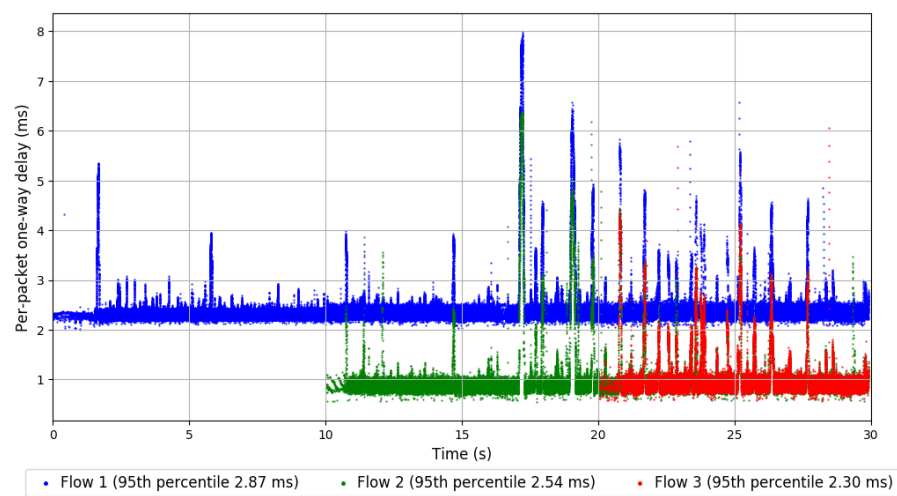
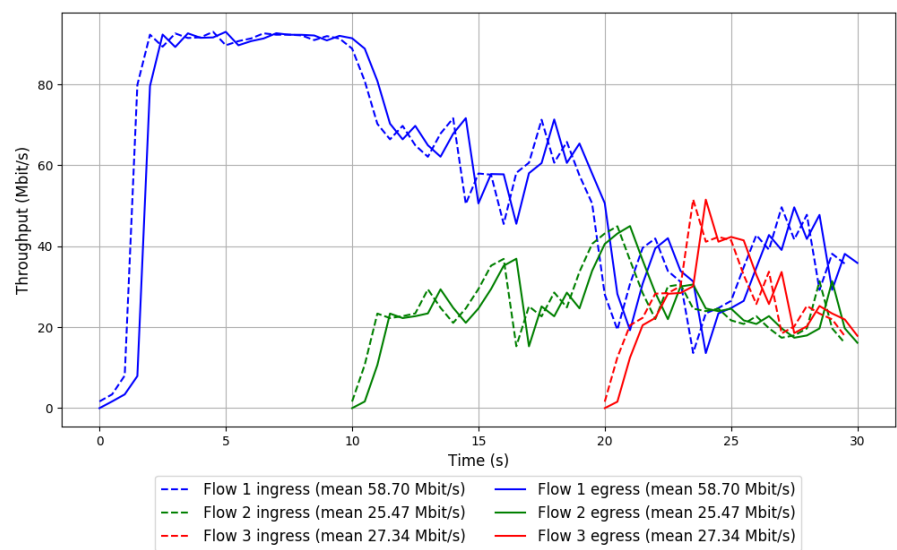


Run 5: Statistics of PCC-Vivace

Start at: 2018-05-30 17:00:57
End at: 2018-05-30 17:01:27
Local clock offset: -1.67 ms
Remote clock offset: -2.425 ms

Below is generated by plot.py at 2018-05-30 19:17:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.67 Mbit/s
95th percentile per-packet one-way delay: 2.777 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.70 Mbit/s
95th percentile per-packet one-way delay: 2.870 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 25.47 Mbit/s
95th percentile per-packet one-way delay: 2.541 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.34 Mbit/s
95th percentile per-packet one-way delay: 2.302 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

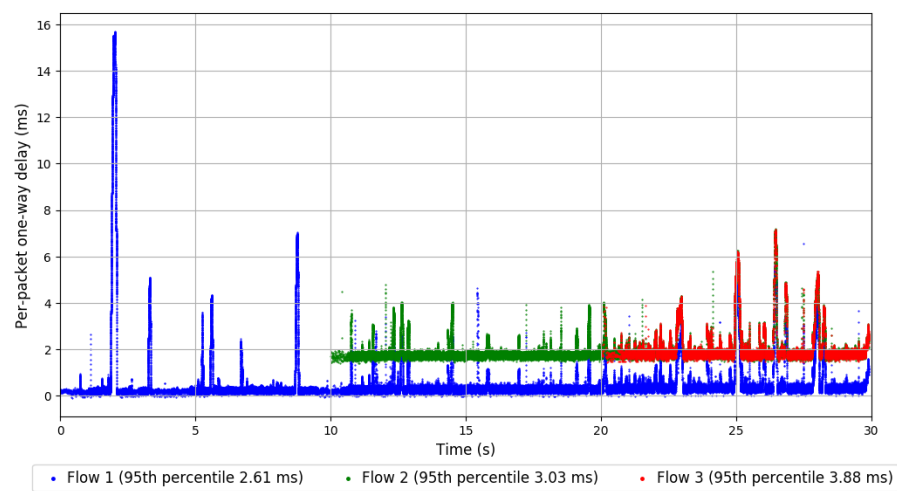
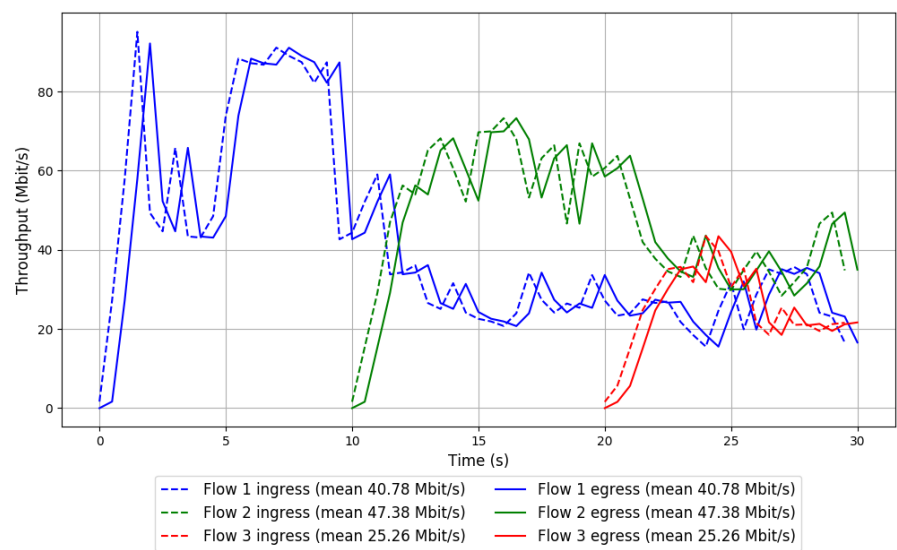


Run 6: Statistics of PCC-Vivace

Start at: 2018-05-30 17:19:13
End at: 2018-05-30 17:19:43
Local clock offset: -2.005 ms
Remote clock offset: -7.359 ms

Below is generated by plot.py at 2018-05-30 19:17:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.63 Mbit/s
95th percentile per-packet one-way delay: 3.077 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.78 Mbit/s
95th percentile per-packet one-way delay: 2.612 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 47.38 Mbit/s
95th percentile per-packet one-way delay: 3.034 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 25.26 Mbit/s
95th percentile per-packet one-way delay: 3.881 ms
Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link

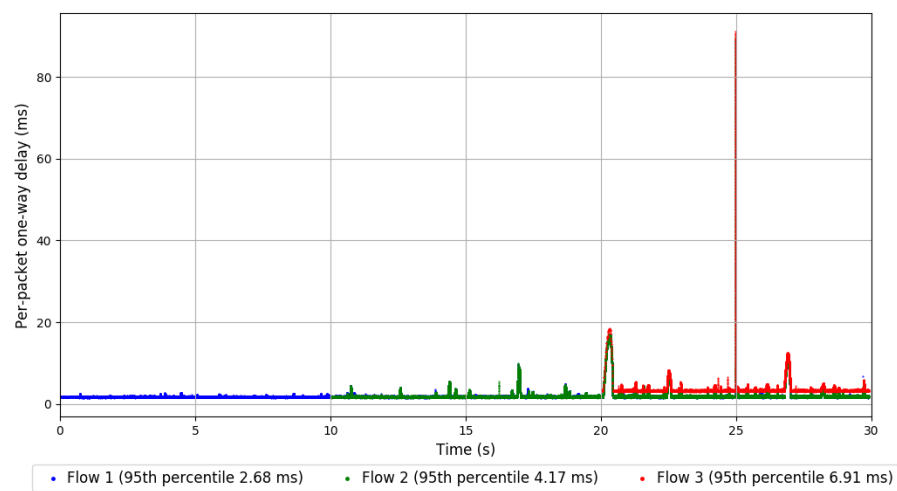
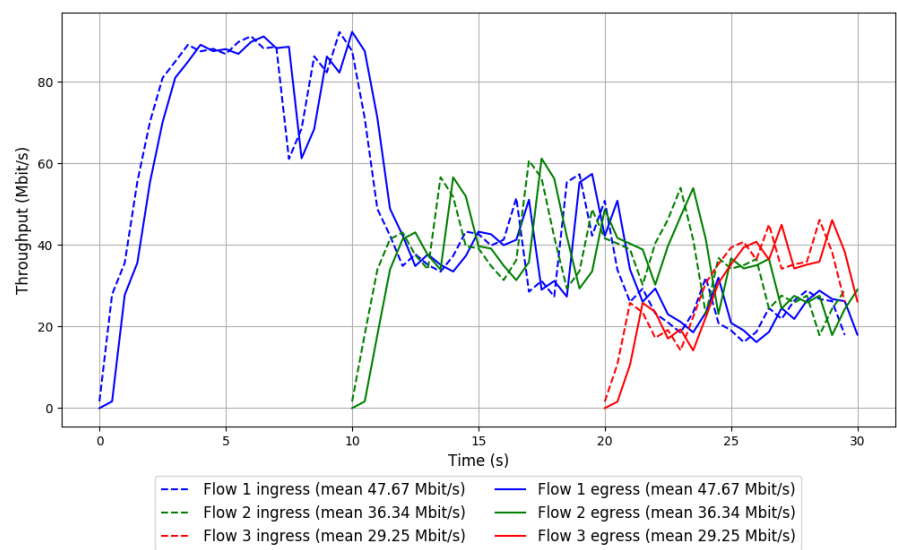


Run 7: Statistics of PCC-Vivace

Start at: 2018-05-30 17:37:17
End at: 2018-05-30 17:37:47
Local clock offset: -3.868 ms
Remote clock offset: -9.924 ms

Below is generated by plot.py at 2018-05-30 19:17:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.49 Mbit/s
95th percentile per-packet one-way delay: 3.787 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.67 Mbit/s
95th percentile per-packet one-way delay: 2.684 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.34 Mbit/s
95th percentile per-packet one-way delay: 4.175 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.25 Mbit/s
95th percentile per-packet one-way delay: 6.905 ms
Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link

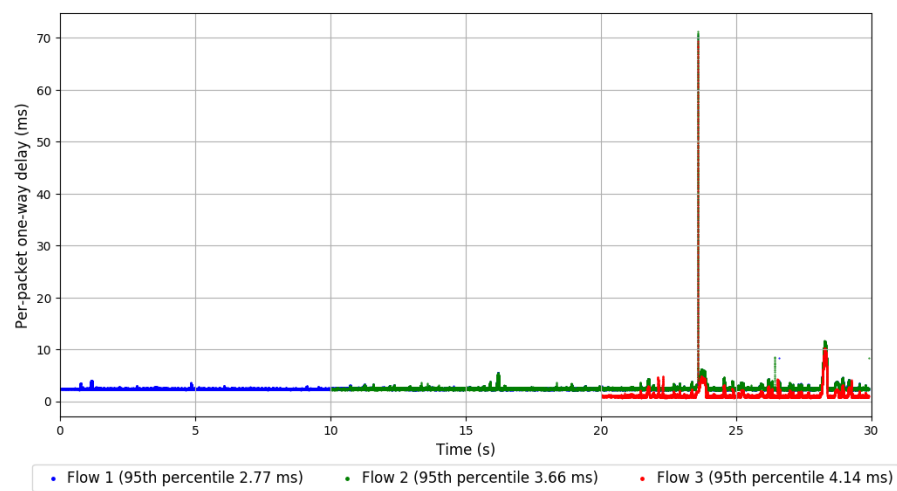
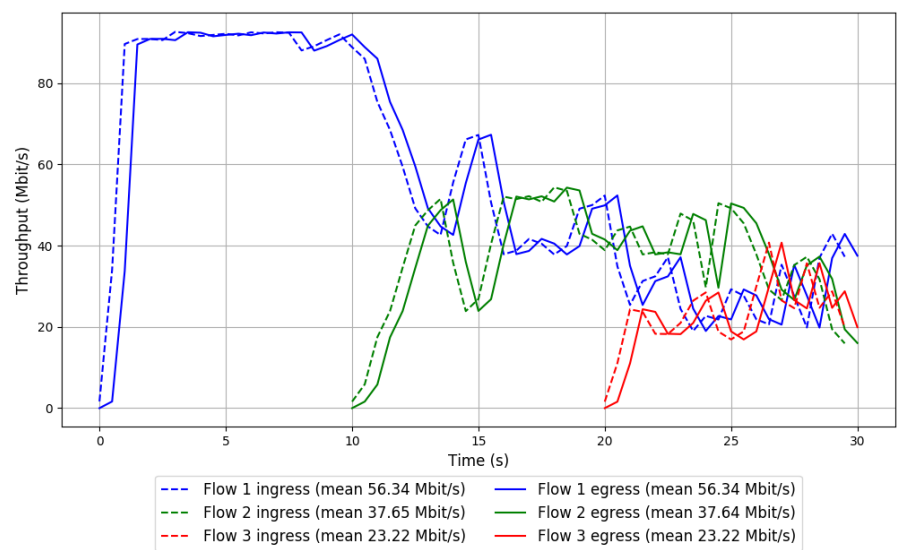


Run 8: Statistics of PCC-Vivace

Start at: 2018-05-30 17:55:26
End at: 2018-05-30 17:55:56
Local clock offset: -3.213 ms
Remote clock offset: -3.689 ms

Below is generated by plot.py at 2018-05-30 19:17:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.03 Mbit/s
95th percentile per-packet one-way delay: 3.076 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.34 Mbit/s
95th percentile per-packet one-way delay: 2.767 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.64 Mbit/s
95th percentile per-packet one-way delay: 3.664 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.22 Mbit/s
95th percentile per-packet one-way delay: 4.136 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

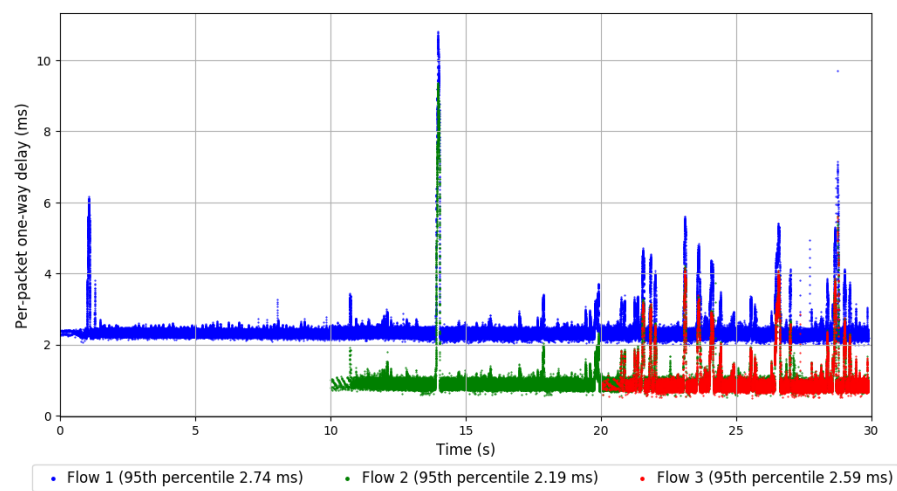
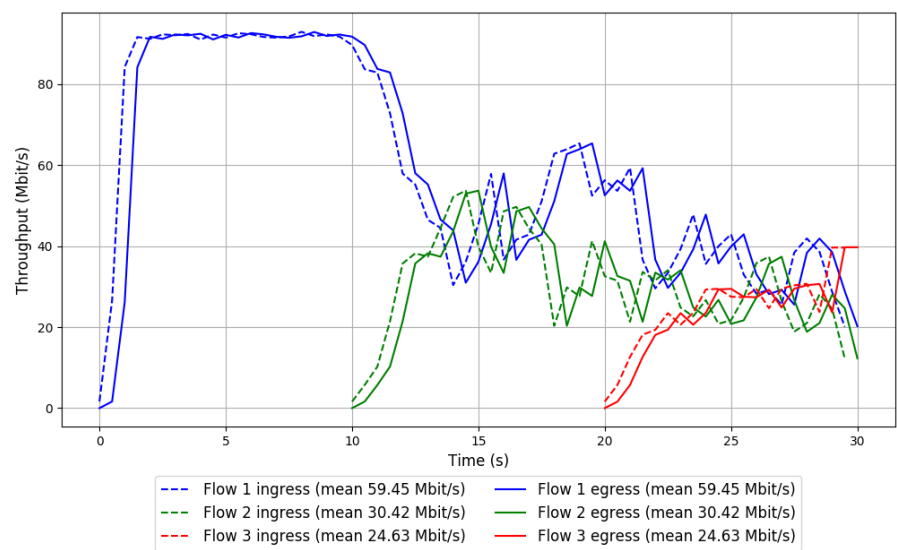


Run 9: Statistics of PCC-Vivace

Start at: 2018-05-30 18:13:30
End at: 2018-05-30 18:14:00
Local clock offset: -5.909 ms
Remote clock offset: -2.711 ms

Below is generated by plot.py at 2018-05-30 19:17:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.81 Mbit/s
95th percentile per-packet one-way delay: 2.657 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.45 Mbit/s
95th percentile per-packet one-way delay: 2.739 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 30.42 Mbit/s
95th percentile per-packet one-way delay: 2.192 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 2.590 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-05-30 18:31:35

End at: 2018-05-30 18:32:05

Local clock offset: -8.369 ms

Remote clock offset: -2.94 ms

Below is generated by plot.py at 2018-05-30 19:17:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.81 Mbit/s

95th percentile per-packet one-way delay: 2.524 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.49 Mbit/s

95th percentile per-packet one-way delay: 2.542 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 30.61 Mbit/s

95th percentile per-packet one-way delay: 1.576 ms

Loss rate: 0.00%

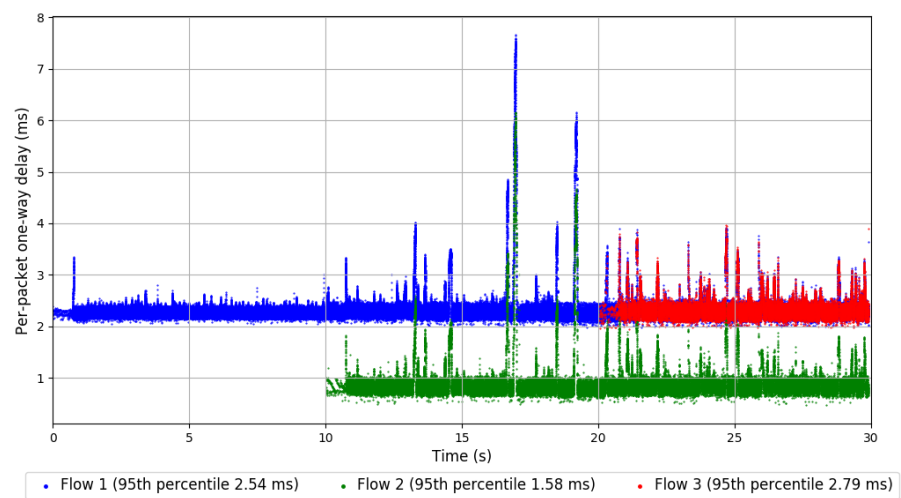
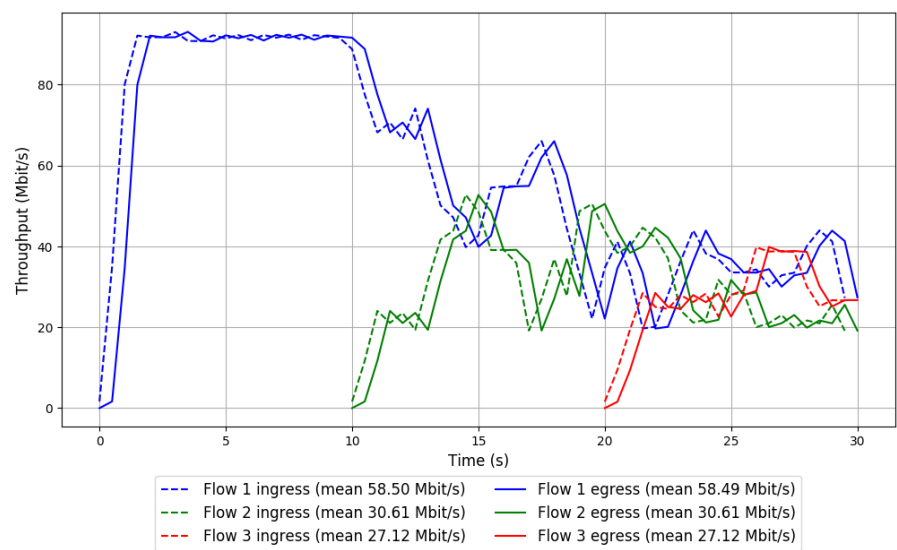
-- Flow 3:

Average throughput: 27.12 Mbit/s

95th percentile per-packet one-way delay: 2.790 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

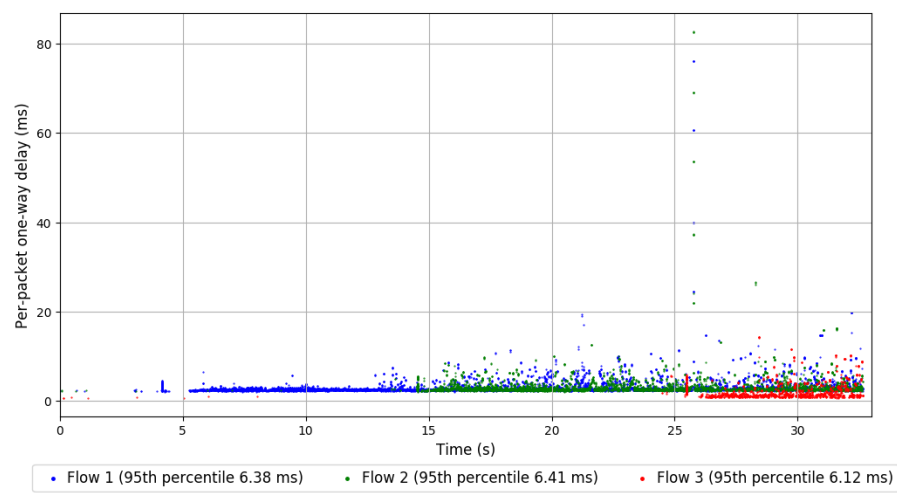
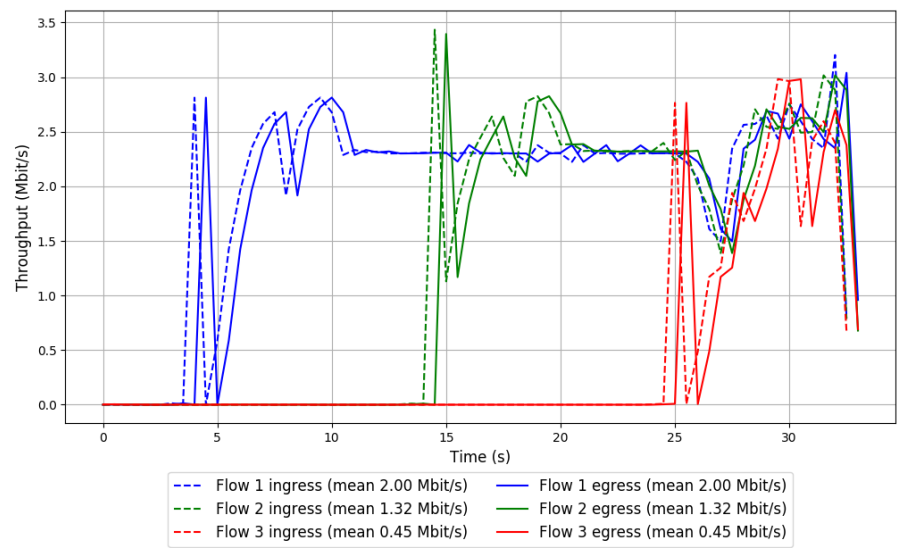


Run 1: Statistics of WebRTC media

Start at: 2018-05-30 16:00:50
End at: 2018-05-30 16:01:20
Local clock offset: -1.076 ms
Remote clock offset: -0.298 ms

Below is generated by plot.py at 2018-05-30 19:17:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.76 Mbit/s
95th percentile per-packet one-way delay: 6.387 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 6.375 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 6.414 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 6.115 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-05-30 16:18:54

End at: 2018-05-30 16:19:24

Local clock offset: -1.7 ms

Remote clock offset: 1.73 ms

Below is generated by plot.py at 2018-05-30 19:17:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.77 Mbit/s

95th percentile per-packet one-way delay: 5.835 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 5.919 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.33 Mbit/s

95th percentile per-packet one-way delay: 5.357 ms

Loss rate: 0.00%

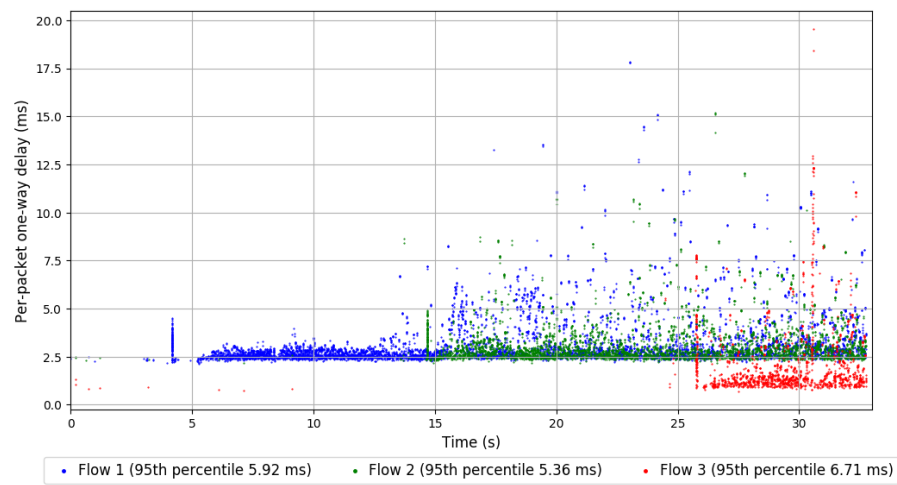
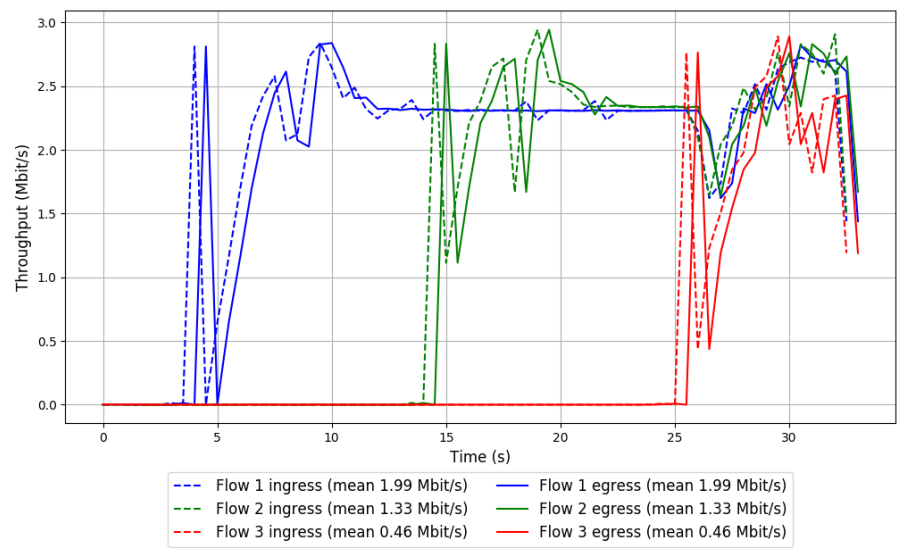
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 6.714 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-05-30 16:37:03

End at: 2018-05-30 16:37:33

Local clock offset: -0.857 ms

Remote clock offset: 0.122 ms

Below is generated by plot.py at 2018-05-30 19:17:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.79 Mbit/s

95th percentile per-packet one-way delay: 5.825 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 5.628 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.34 Mbit/s

95th percentile per-packet one-way delay: 5.491 ms

Loss rate: 0.00%

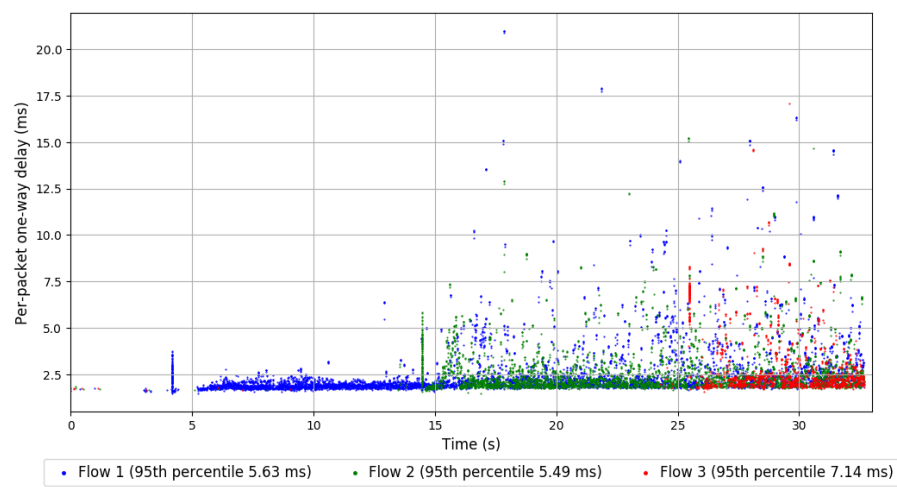
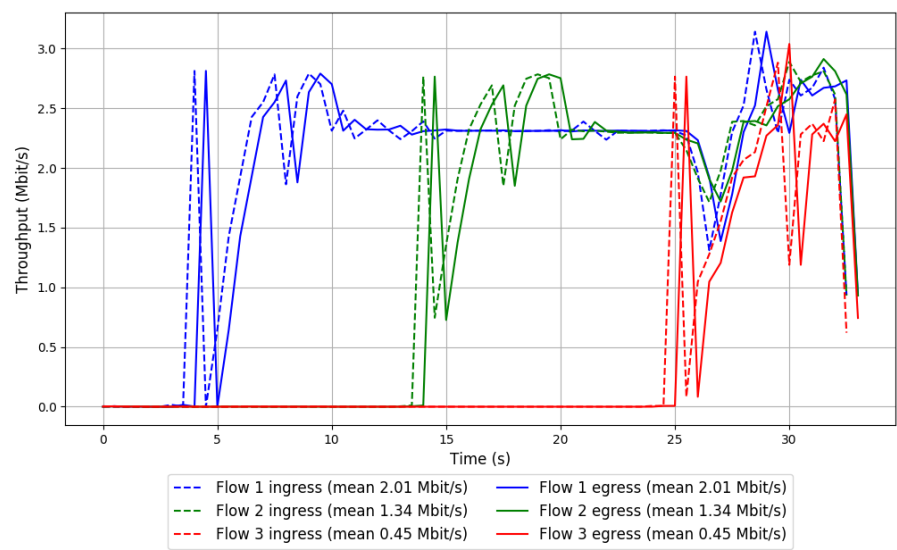
-- Flow 3:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 7.143 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-05-30 16:56:27

End at: 2018-05-30 16:56:57

Local clock offset: -0.987 ms

Remote clock offset: -2.13 ms

Below is generated by plot.py at 2018-05-30 19:17:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.76 Mbit/s

95th percentile per-packet one-way delay: 4.128 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 3.953 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 4.017 ms

Loss rate: 0.00%

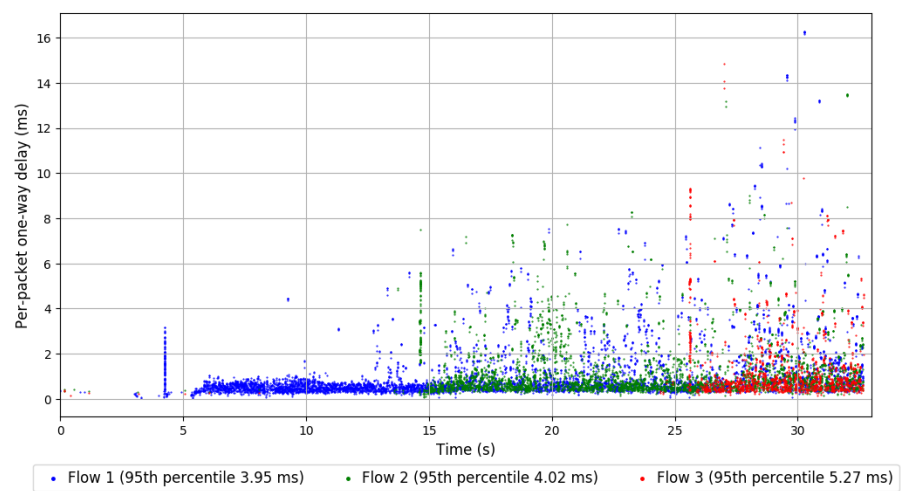
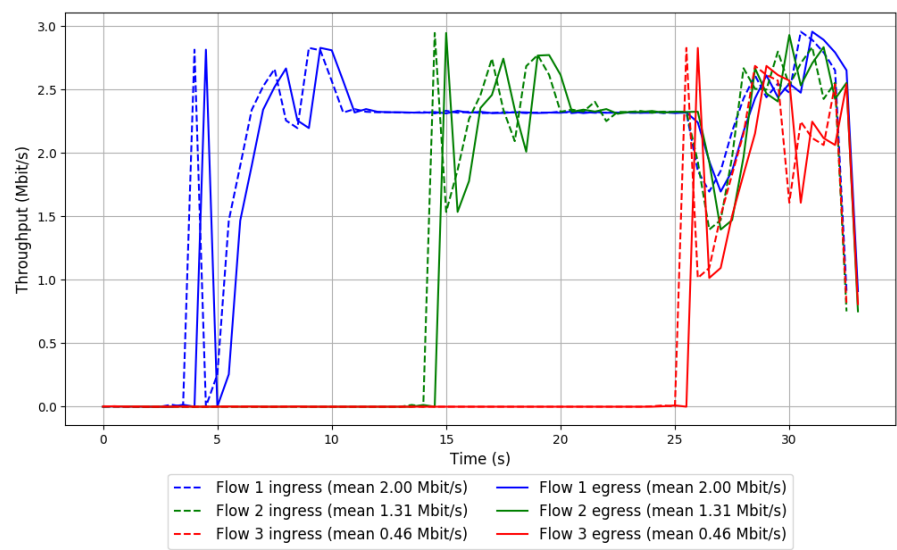
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 5.268 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

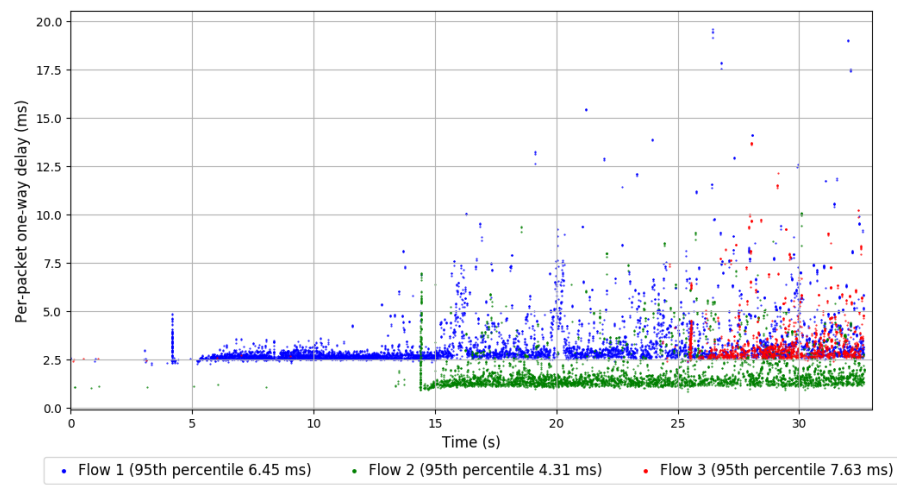
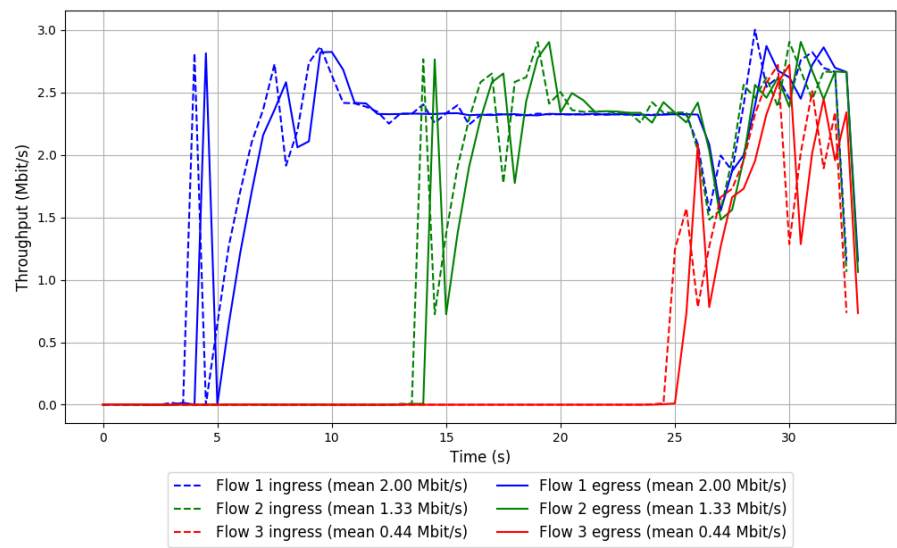


Run 5: Statistics of WebRTC media

Start at: 2018-05-30 17:14:38
End at: 2018-05-30 17:15:08
Local clock offset: -2.501 ms
Remote clock offset: -6.211 ms

Below is generated by plot.py at 2018-05-30 19:17:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.76 Mbit/s
95th percentile per-packet one-way delay: 5.904 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 6.446 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 4.310 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 7.632 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

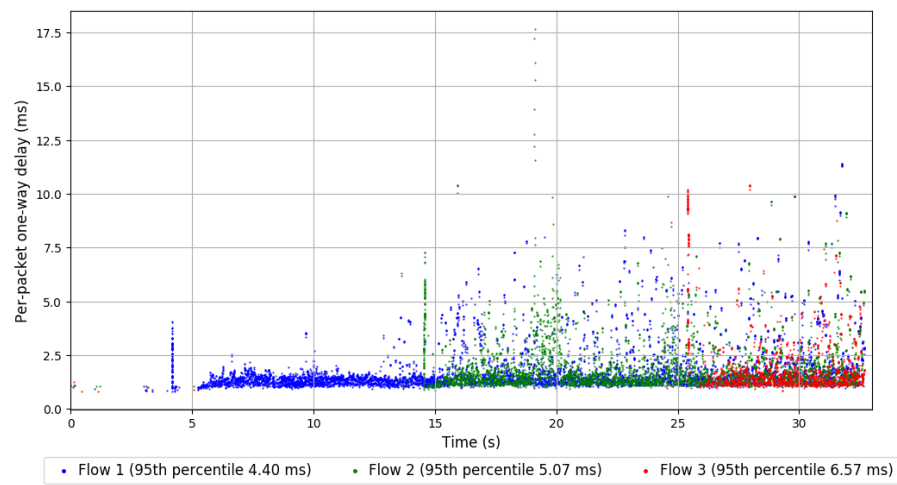
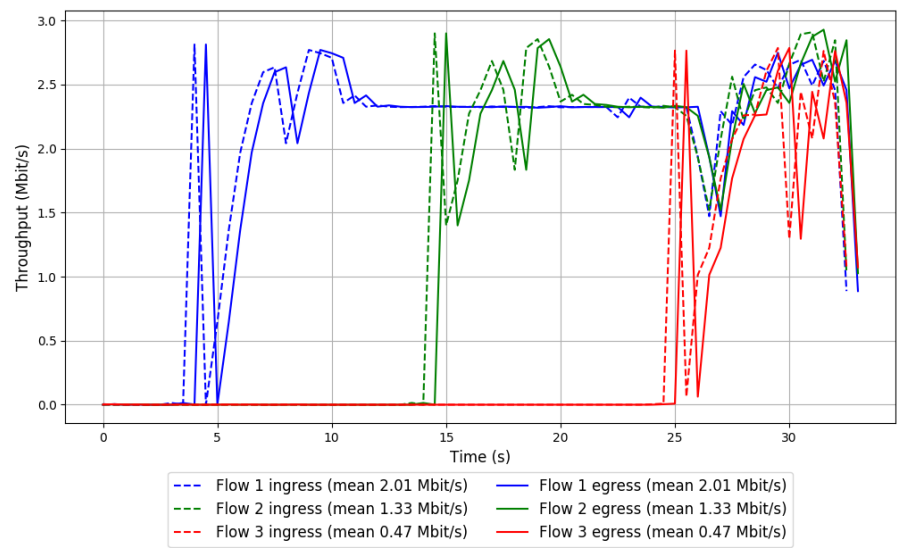


Run 6: Statistics of WebRTC media

Start at: 2018-05-30 17:32:47
End at: 2018-05-30 17:33:18
Local clock offset: -3.11 ms
Remote clock offset: -9.389 ms

Below is generated by plot.py at 2018-05-30 19:17:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.81 Mbit/s
95th percentile per-packet one-way delay: 4.917 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 4.402 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 5.066 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 6.570 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

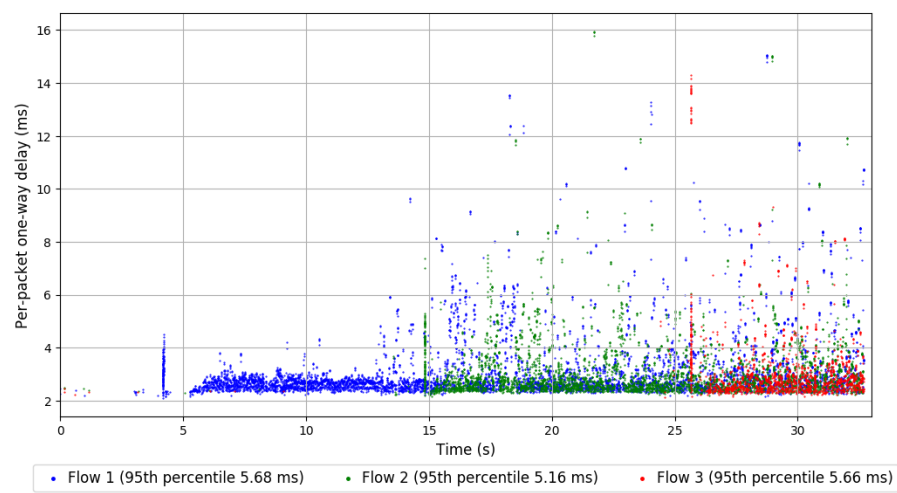
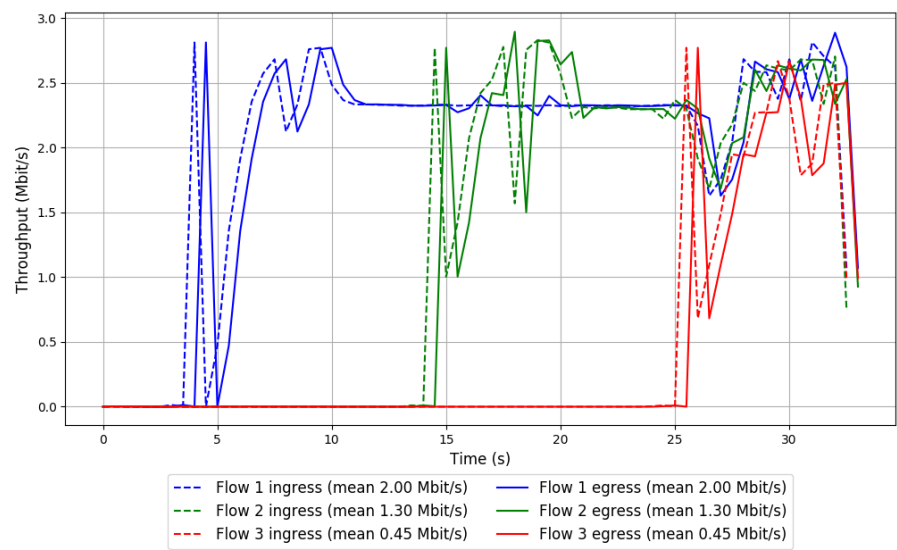


Run 7: Statistics of WebRTC media

Start at: 2018-05-30 17:50:57
End at: 2018-05-30 17:51:27
Local clock offset: -3.174 ms
Remote clock offset: -4.491 ms

Below is generated by plot.py at 2018-05-30 19:17:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.74 Mbit/s
95th percentile per-packet one-way delay: 5.492 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 5.685 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 5.164 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 5.664 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-05-30 18:09:00

End at: 2018-05-30 18:09:30

Local clock offset: -4.471 ms

Remote clock offset: -2.78 ms

Below is generated by plot.py at 2018-05-30 19:17:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.73 Mbit/s

95th percentile per-packet one-way delay: 5.795 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 6.055 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 5.331 ms

Loss rate: 0.00%

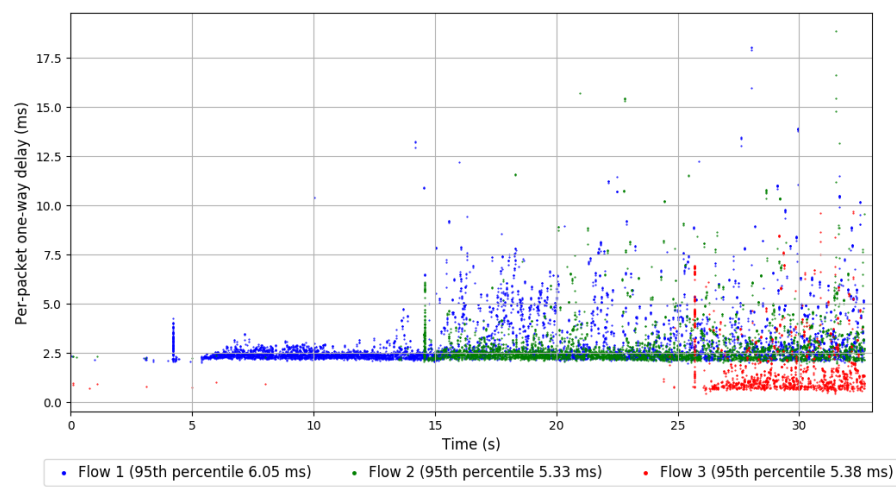
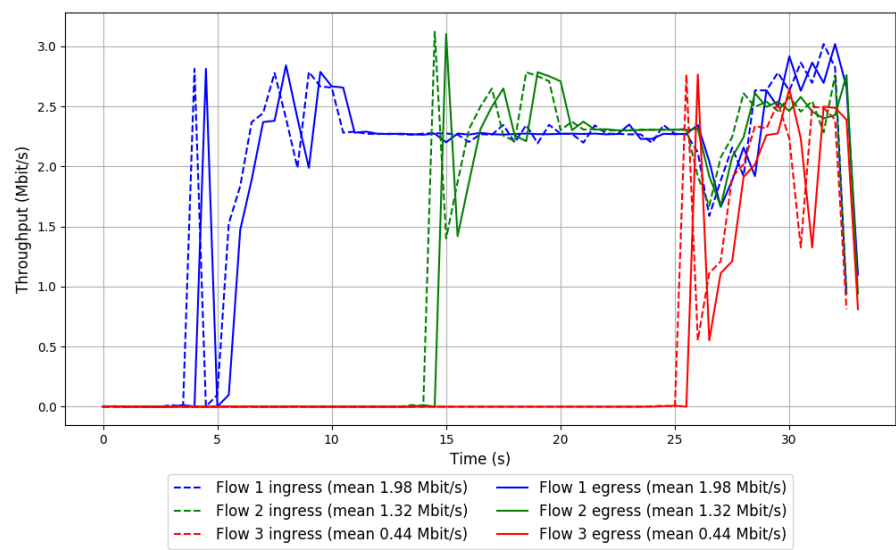
-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 5.381 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

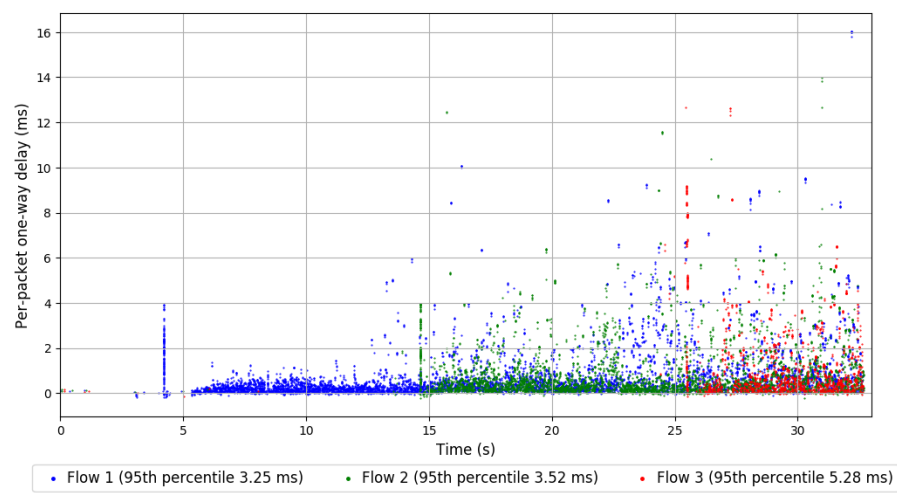
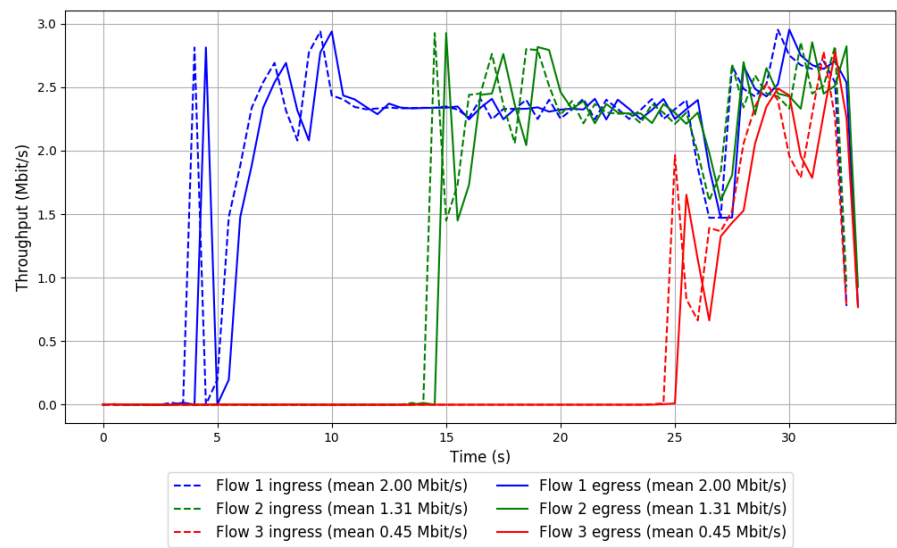


Run 9: Statistics of WebRTC media

Start at: 2018-05-30 18:27:05
End at: 2018-05-30 18:27:35
Local clock offset: -7.176 ms
Remote clock offset: -2.928 ms

Below is generated by plot.py at 2018-05-30 19:17:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.75 Mbit/s
95th percentile per-packet one-way delay: 3.691 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 3.252 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 3.525 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 5.277 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-30 18:45:09
End at: 2018-05-30 18:45:39
Local clock offset: -4.848 ms
Remote clock offset: -2.894 ms

Below is generated by plot.py at 2018-05-30 19:17:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.72 Mbit/s
95th percentile per-packet one-way delay: 5.464 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 5.432 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 5.418 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 5.622 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

