

Pantheon Report

Generated at 2018-05-22 06:54:19 (UTC).

Data path: AWS Brazil 2 Ethernet (*local*) → Colombia 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.

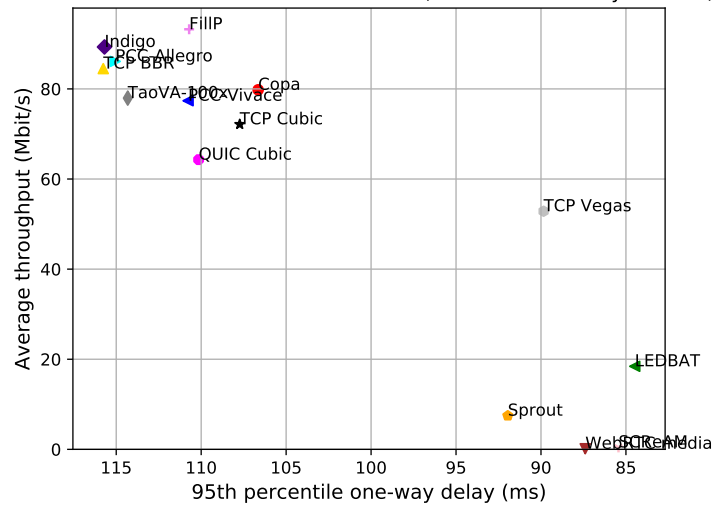
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

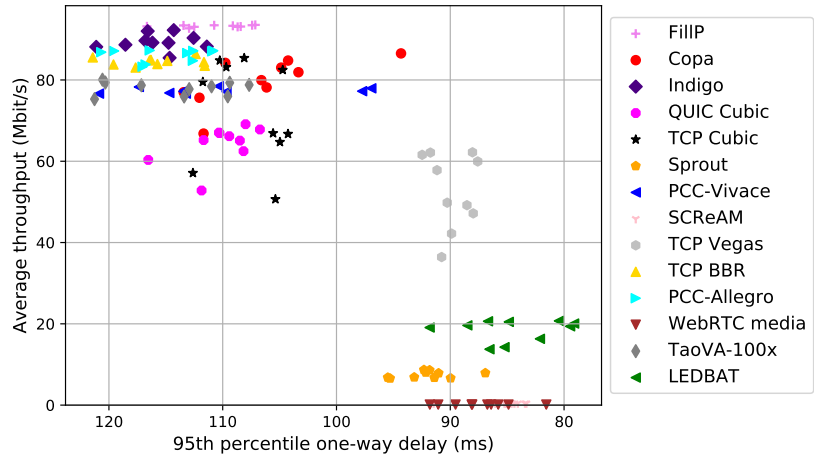
Git summary:

```
branch: master @ 2d1d4407e851ba626e5ca4626a306105793df686
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-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from AWS Brazil 2 Ethernet to Colombia Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from AWS Brazil 2 Ethernet to Colombia Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows



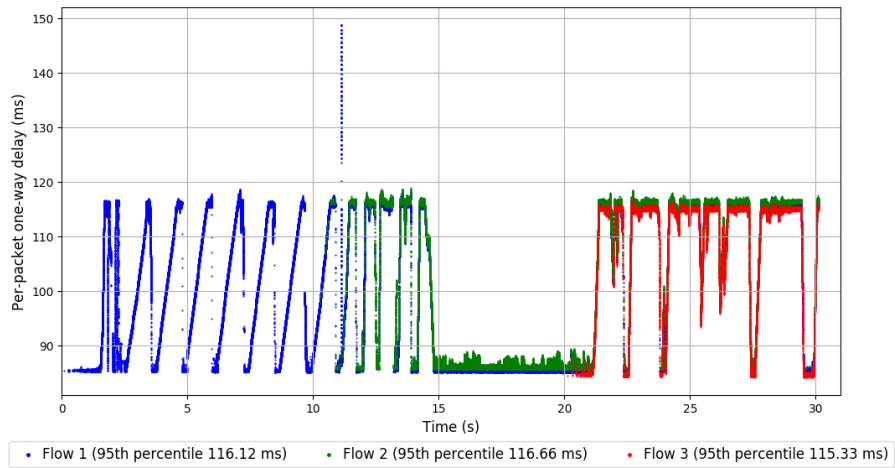
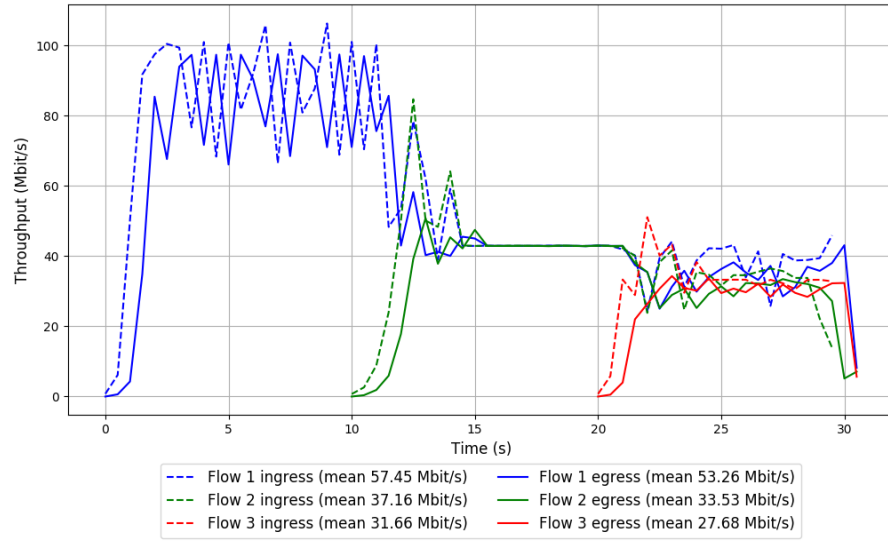
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	55.02	32.30	24.52	115.17	113.41	114.59	8.05	11.84	13.68
Copa	10	56.03	28.14	15.15	106.83	104.89	99.75	2.43	0.90	0.44
TCP Cubic	10	40.01	32.72	31.09	105.86	107.83	108.36	0.37	0.79	0.99
FillP	10	58.46	37.42	29.96	109.72	110.27	109.55	17.21	21.25	22.80
Indigo	10	60.23	31.90	24.75	114.31	113.43	114.68	6.05	15.33	34.32
LEDBAT	10	11.42	8.48	4.14	84.13	83.10	83.38	0.02	0.02	0.01
PCC-Allegro	10	76.56	10.40	7.97	115.04	115.22	114.51	2.68	4.43	5.22
PCC-Expr	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
QUIC Cubic	10	47.22	18.16	15.38	110.35	107.00	105.91	0.93	0.64	2.01
SCReAM	10	0.22	0.22	0.22	83.12	84.46	84.38	0.00	0.00	0.00
Sprout	10	3.90	3.84	3.10	91.71	90.79	92.21	0.00	0.00	0.01
TaoVA-100x	10	50.03	32.04	19.84	113.52	113.11	112.56	4.42	8.31	10.36
TCP Vegas	10	23.53	26.26	35.57	89.08	91.45	88.67	0.61	0.84	1.37
Verus	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PCC-Vivace	10	63.36	17.17	7.85	110.98	109.50	104.55	0.28	0.49	0.47
WebRTC media	10	0.05	0.04	0.04	84.99	85.27	86.55	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-05-22 03:27:33
End at: 2018-05-22 03:28:03
Local clock offset: -1.379 ms
Remote clock offset: 10.995 ms

Below is generated by plot.py at 2018-05-22 06:39:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.82 Mbit/s
95th percentile per-packet one-way delay: 116.426 ms
Loss rate: 8.45%
-- Flow 1:
Average throughput: 53.26 Mbit/s
95th percentile per-packet one-way delay: 116.125 ms
Loss rate: 7.22%
-- Flow 2:
Average throughput: 33.53 Mbit/s
95th percentile per-packet one-way delay: 116.656 ms
Loss rate: 9.67%
-- Flow 3:
Average throughput: 27.68 Mbit/s
95th percentile per-packet one-way delay: 115.334 ms
Loss rate: 12.29%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-05-22 03:47:14

End at: 2018-05-22 03:47:44

Local clock offset: -6.929 ms

Remote clock offset: 9.493 ms

Below is generated by plot.py at 2018-05-22 06:39:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.81 Mbit/s

95th percentile per-packet one-way delay: 119.600 ms

Loss rate: 10.50%

-- Flow 1:

Average throughput: 53.62 Mbit/s

95th percentile per-packet one-way delay: 115.113 ms

Loss rate: 8.08%

-- Flow 2:

Average throughput: 33.31 Mbit/s

95th percentile per-packet one-way delay: 115.714 ms

Loss rate: 15.30%

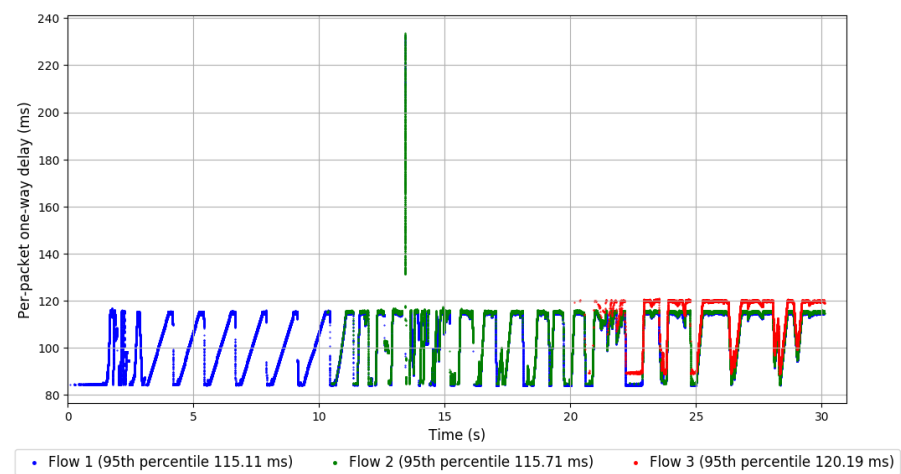
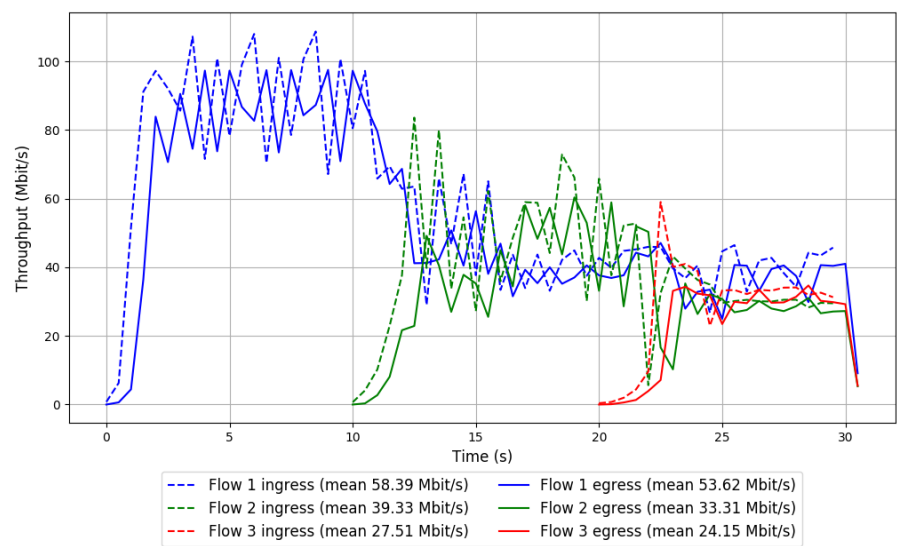
-- Flow 3:

Average throughput: 24.15 Mbit/s

95th percentile per-packet one-way delay: 120.187 ms

Loss rate: 12.23%

Run 2: Report of TCP BBR — Data Link

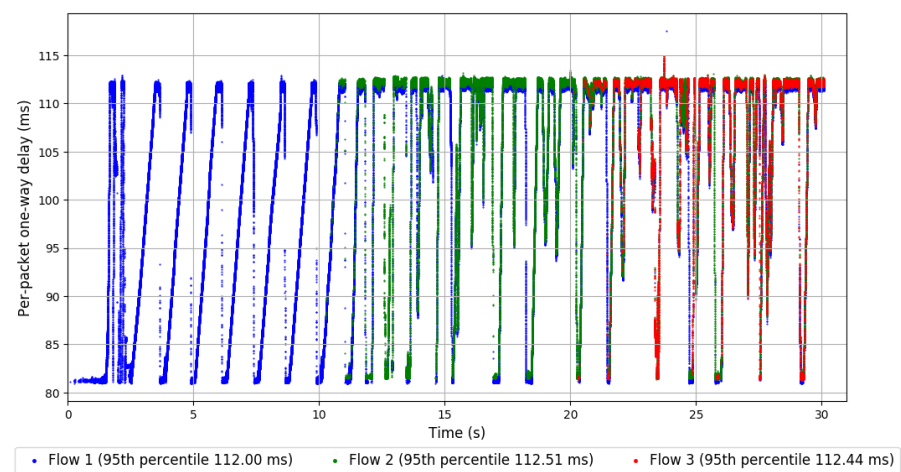
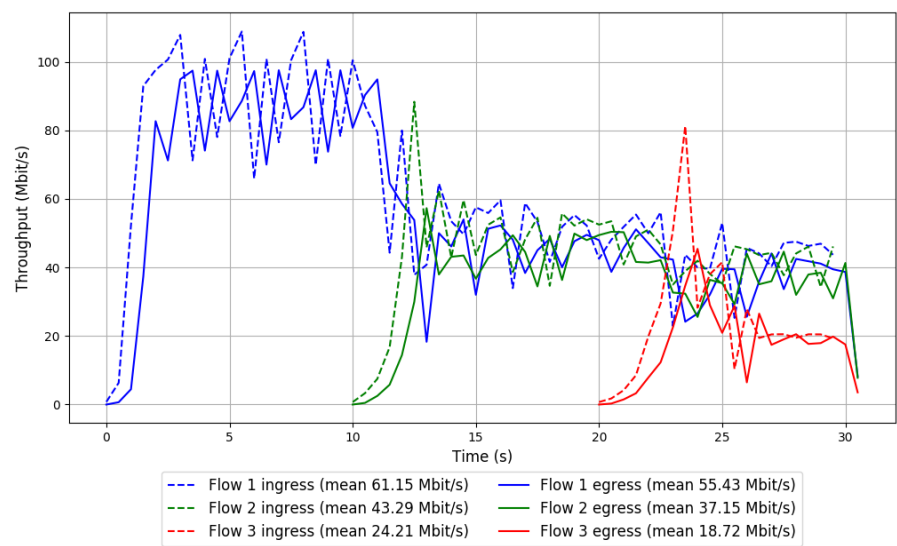


Run 3: Statistics of TCP BBR

Start at: 2018-05-22 04:06:53
End at: 2018-05-22 04:07:23
Local clock offset: -7.298 ms
Remote clock offset: 10.319 ms

Below is generated by plot.py at 2018-05-22 06:39:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.40 Mbit/s
95th percentile per-packet one-way delay: 112.378 ms
Loss rate: 11.78%
-- Flow 1:
Average throughput: 55.43 Mbit/s
95th percentile per-packet one-way delay: 112.000 ms
Loss rate: 9.27%
-- Flow 2:
Average throughput: 37.15 Mbit/s
95th percentile per-packet one-way delay: 112.512 ms
Loss rate: 14.05%
-- Flow 3:
Average throughput: 18.72 Mbit/s
95th percentile per-packet one-way delay: 112.435 ms
Loss rate: 22.70%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-05-22 04:26:36

End at: 2018-05-22 04:27:06

Local clock offset: -6.75 ms

Remote clock offset: 8.027 ms

Below is generated by plot.py at 2018-05-22 06:39:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.49 Mbit/s

95th percentile per-packet one-way delay: 111.581 ms

Loss rate: 9.59%

-- Flow 1:

Average throughput: 53.88 Mbit/s

95th percentile per-packet one-way delay: 111.338 ms

Loss rate: 8.51%

-- Flow 2:

Average throughput: 33.41 Mbit/s

95th percentile per-packet one-way delay: 111.472 ms

Loss rate: 12.17%

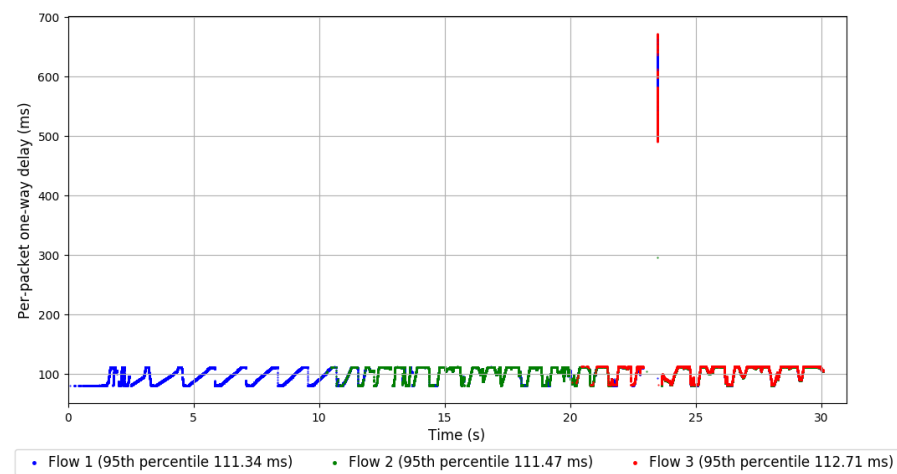
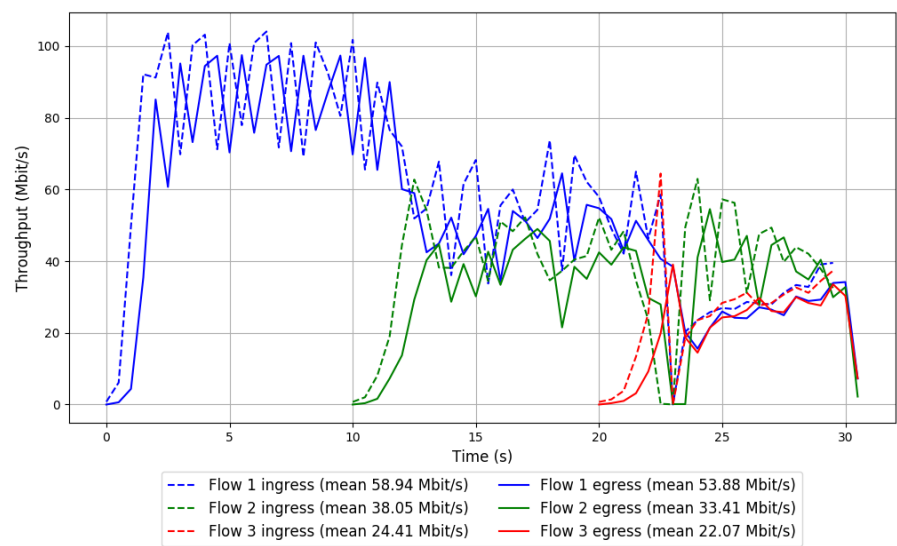
-- Flow 3:

Average throughput: 22.07 Mbit/s

95th percentile per-packet one-way delay: 112.711 ms

Loss rate: 9.42%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-05-22 04:46:17

End at: 2018-05-22 04:46:47

Local clock offset: -6.189 ms

Remote clock offset: 6.991 ms

Below is generated by plot.py at 2018-05-22 06:39:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.70 Mbit/s

95th percentile per-packet one-way delay: 114.868 ms

Loss rate: 10.44%

-- Flow 1:

Average throughput: 54.04 Mbit/s

95th percentile per-packet one-way delay: 114.135 ms

Loss rate: 8.62%

-- Flow 2:

Average throughput: 34.89 Mbit/s

95th percentile per-packet one-way delay: 114.981 ms

Loss rate: 13.93%

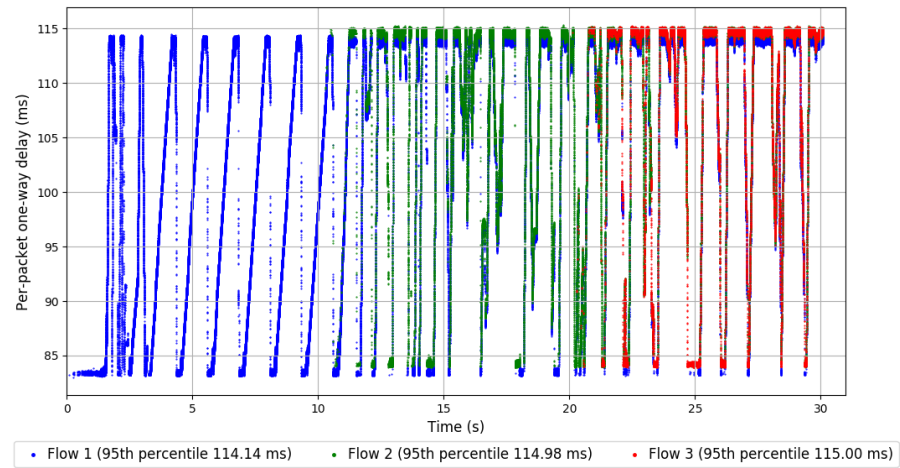
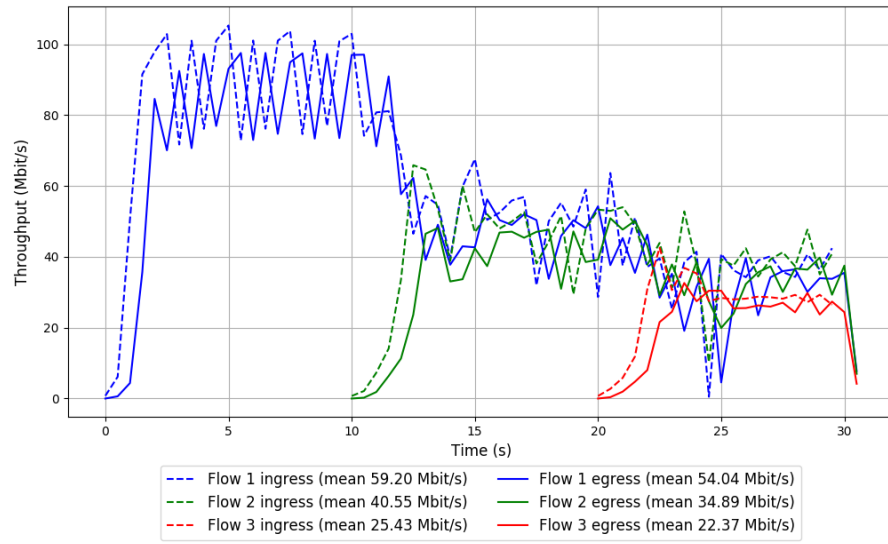
-- Flow 3:

Average throughput: 22.37 Mbit/s

95th percentile per-packet one-way delay: 114.998 ms

Loss rate: 12.03%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-05-22 05:05:58

End at: 2018-05-22 05:06:28

Local clock offset: -3.937 ms

Remote clock offset: 7.084 ms

Below is generated by plot.py at 2018-05-22 06:39:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.55 Mbit/s

95th percentile per-packet one-way delay: 121.420 ms

Loss rate: 9.48%

-- Flow 1:

Average throughput: 55.89 Mbit/s

95th percentile per-packet one-way delay: 121.481 ms

Loss rate: 7.75%

-- Flow 2:

Average throughput: 33.43 Mbit/s

95th percentile per-packet one-way delay: 113.947 ms

Loss rate: 11.12%

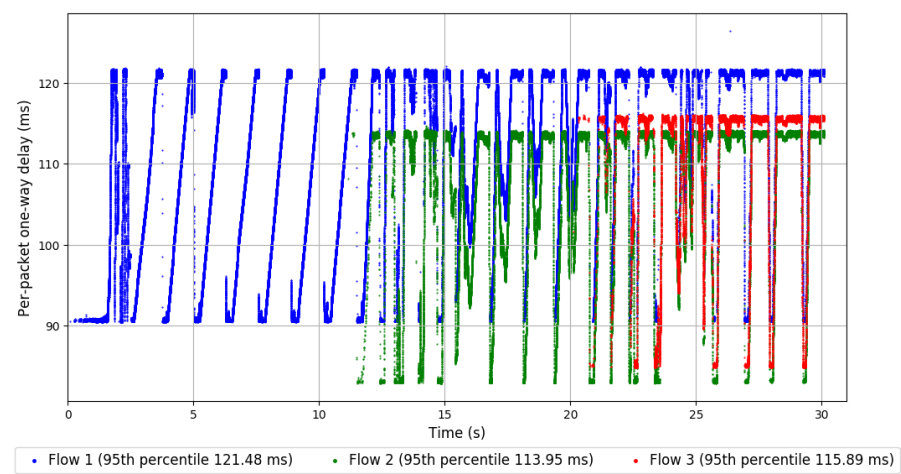
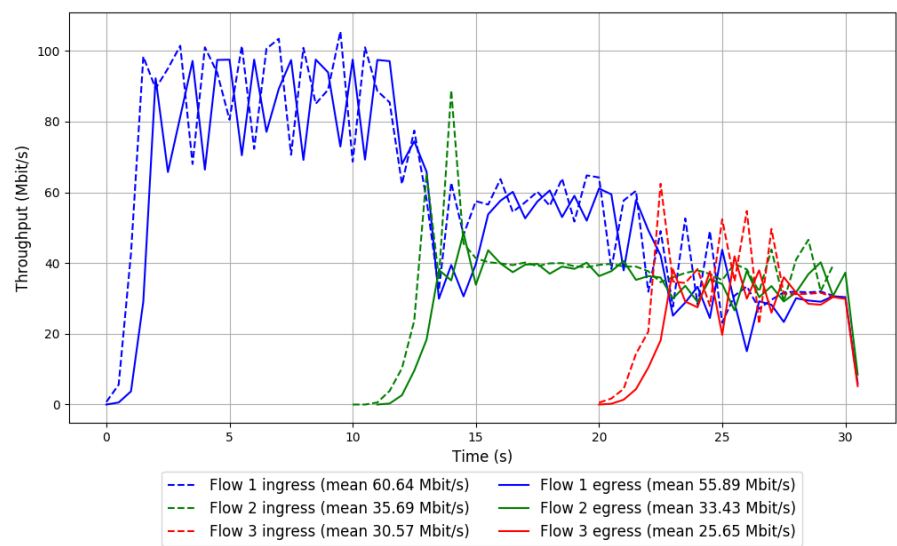
-- Flow 3:

Average throughput: 25.65 Mbit/s

95th percentile per-packet one-way delay: 115.886 ms

Loss rate: 15.99%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-05-22 05:25:44

End at: 2018-05-22 05:26:14

Local clock offset: -1.906 ms

Remote clock offset: 7.091 ms

Below is generated by plot.py at 2018-05-22 06:39:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.92 Mbit/s

95th percentile per-packet one-way delay: 115.738 ms

Loss rate: 8.39%

-- Flow 1:

Average throughput: 52.75 Mbit/s

95th percentile per-packet one-way delay: 115.818 ms

Loss rate: 7.01%

-- Flow 2:

Average throughput: 31.79 Mbit/s

95th percentile per-packet one-way delay: 113.823 ms

Loss rate: 9.85%

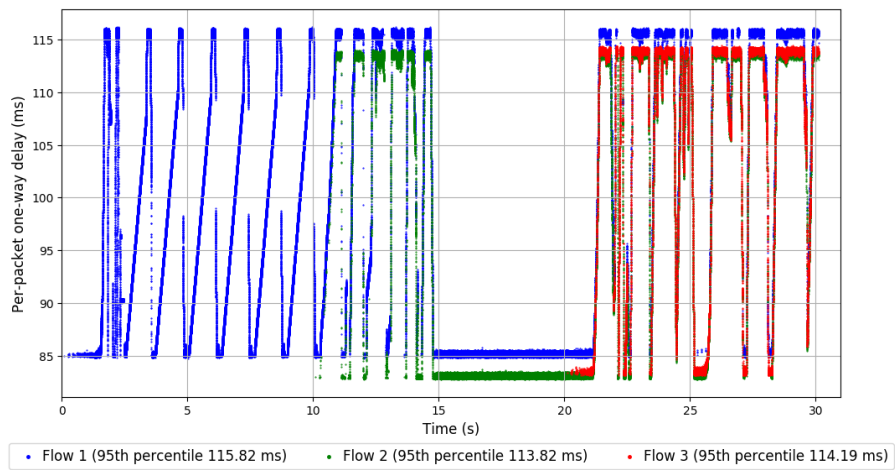
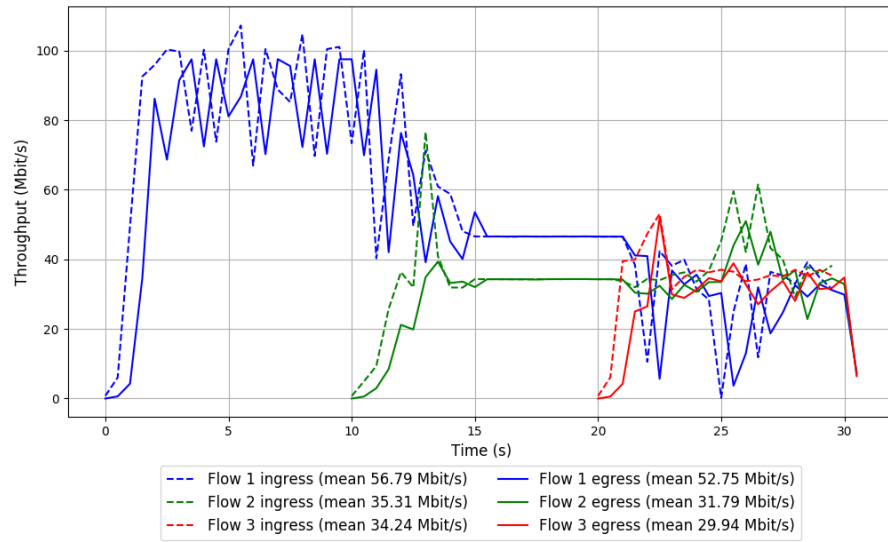
-- Flow 3:

Average throughput: 29.94 Mbit/s

95th percentile per-packet one-way delay: 114.195 ms

Loss rate: 12.26%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-05-22 05:45:24

End at: 2018-05-22 05:45:54

Local clock offset: -2.215 ms

Remote clock offset: 9.23 ms

Below is generated by plot.py at 2018-05-22 06:39:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.39 Mbit/s

95th percentile per-packet one-way delay: 111.647 ms

Loss rate: 10.23%

-- Flow 1:

Average throughput: 57.46 Mbit/s

95th percentile per-packet one-way delay: 111.611 ms

Loss rate: 8.30%

-- Flow 2:

Average throughput: 30.22 Mbit/s

95th percentile per-packet one-way delay: 110.156 ms

Loss rate: 12.41%

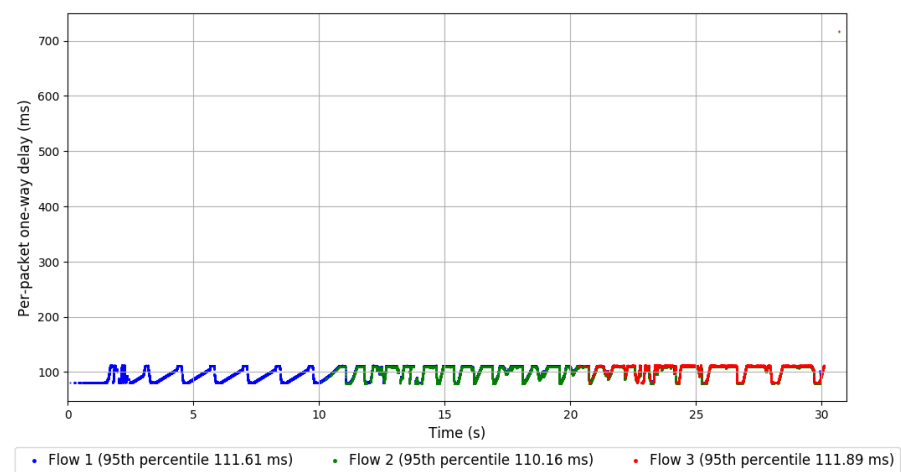
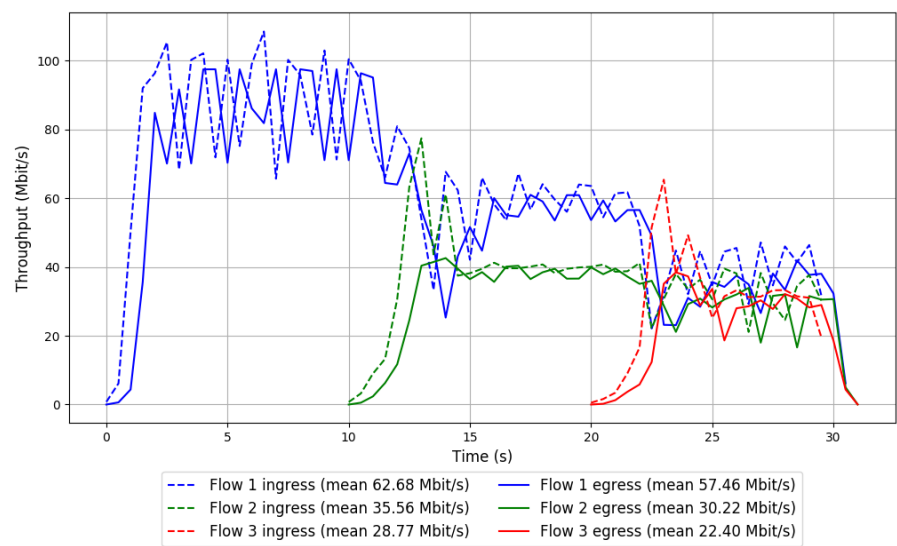
-- Flow 3:

Average throughput: 22.40 Mbit/s

95th percentile per-packet one-way delay: 111.886 ms

Loss rate: 17.48%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

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

End at: 2018-05-22 06:05:35

Local clock offset: -6.436 ms

Remote clock offset: 9.641 ms

Below is generated by plot.py at 2018-05-22 06:40:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.06 Mbit/s

95th percentile per-packet one-way delay: 117.654 ms

Loss rate: 7.06%

-- Flow 1:

Average throughput: 58.01 Mbit/s

95th percentile per-packet one-way delay: 117.708 ms

Loss rate: 5.94%

-- Flow 2:

Average throughput: 26.02 Mbit/s

95th percentile per-packet one-way delay: 110.165 ms

Loss rate: 9.24%

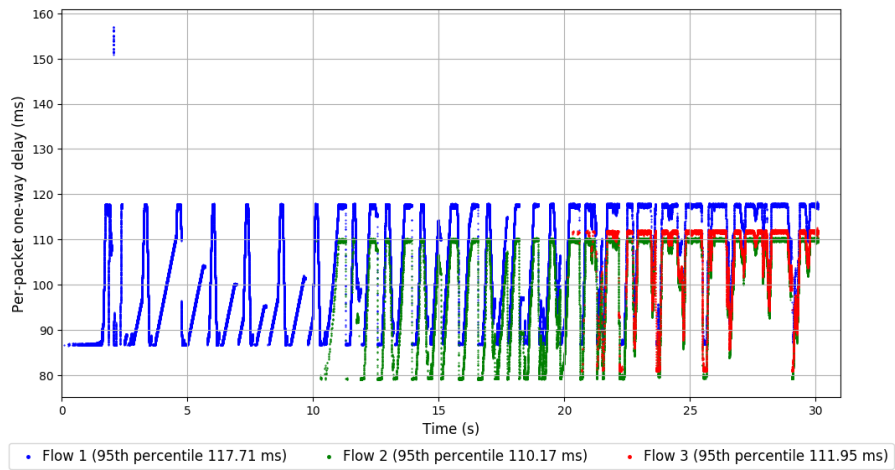
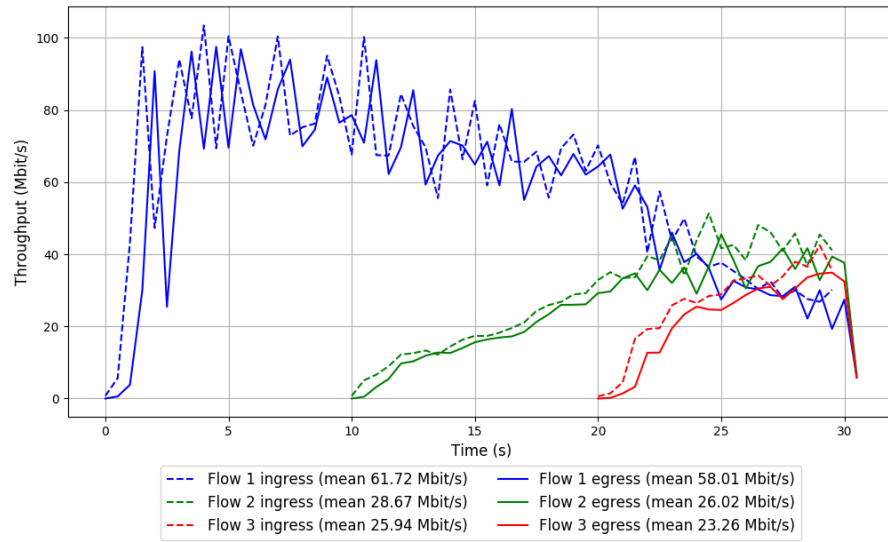
-- Flow 3:

Average throughput: 23.26 Mbit/s

95th percentile per-packet one-way delay: 111.948 ms

Loss rate: 10.26%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-05-22 06:25:31

End at: 2018-05-22 06:26:01

Local clock offset: -8.497 ms

Remote clock offset: 8.409 ms

Below is generated by plot.py at 2018-05-22 06:40:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.94 Mbit/s

95th percentile per-packet one-way delay: 116.314 ms

Loss rate: 10.27%

-- Flow 1:

Average throughput: 55.83 Mbit/s

95th percentile per-packet one-way delay: 116.354 ms

Loss rate: 9.78%

-- Flow 2:

Average throughput: 29.24 Mbit/s

95th percentile per-packet one-way delay: 114.634 ms

Loss rate: 10.71%

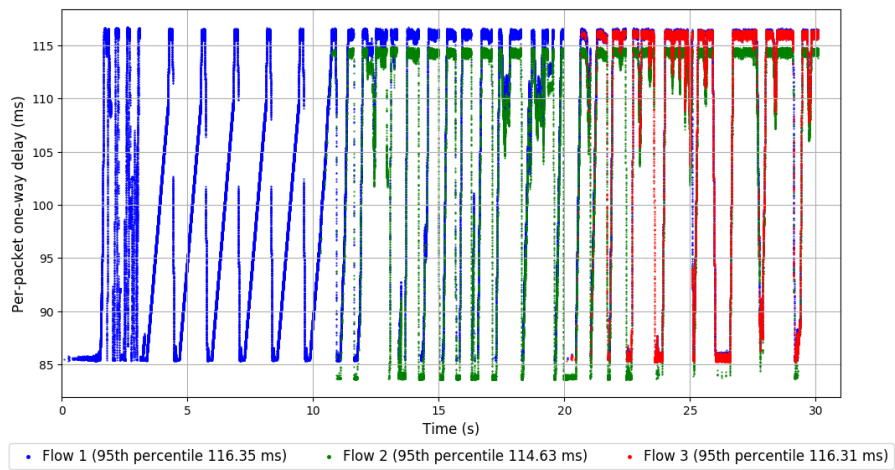
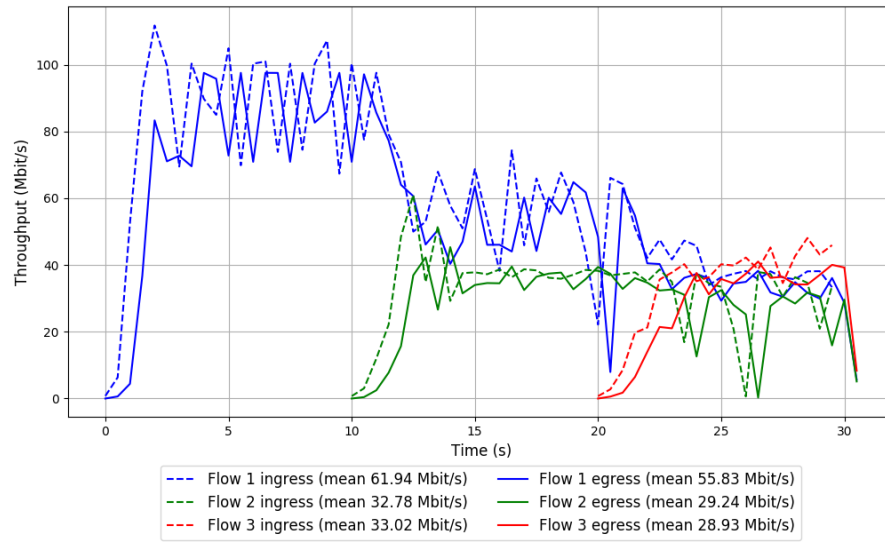
-- Flow 3:

Average throughput: 28.93 Mbit/s

95th percentile per-packet one-way delay: 116.310 ms

Loss rate: 12.15%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-05-22 03:37:22

End at: 2018-05-22 03:37:52

Local clock offset: -5.483 ms

Remote clock offset: 8.242 ms

Below is generated by plot.py at 2018-05-22 06:41:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.78 Mbit/s

95th percentile per-packet one-way delay: 104.254 ms

Loss rate: 1.14%

-- Flow 1:

Average throughput: 74.81 Mbit/s

95th percentile per-packet one-way delay: 104.292 ms

Loss rate: 1.23%

-- Flow 2:

Average throughput: 11.69 Mbit/s

95th percentile per-packet one-way delay: 103.530 ms

Loss rate: 0.39%

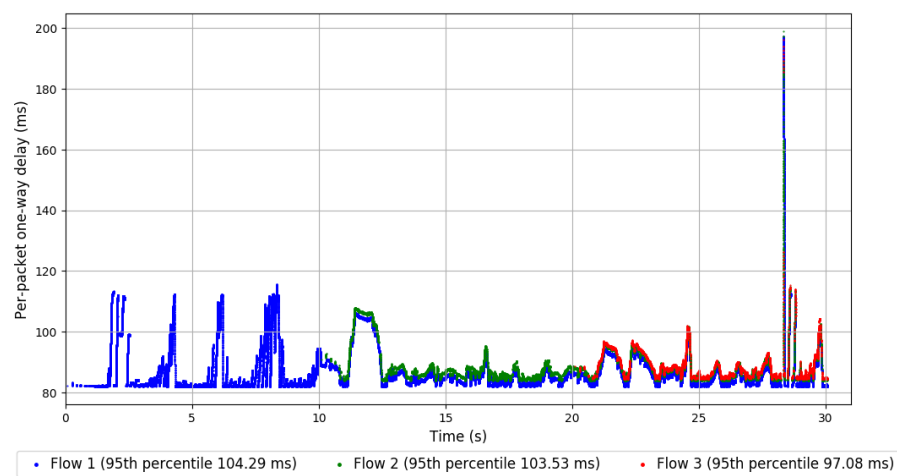
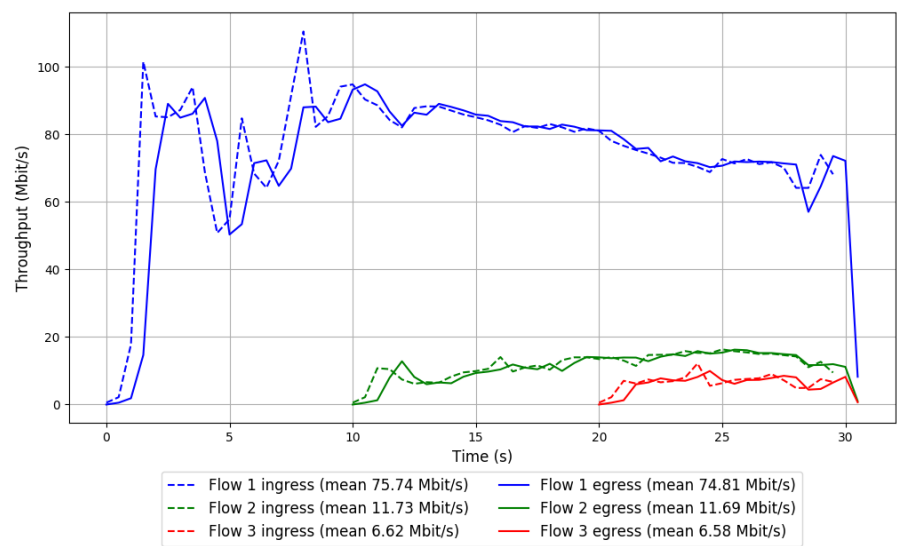
-- Flow 3:

Average throughput: 6.58 Mbit/s

95th percentile per-packet one-way delay: 97.085 ms

Loss rate: 0.55%

Run 1: Report of Copa — Data Link

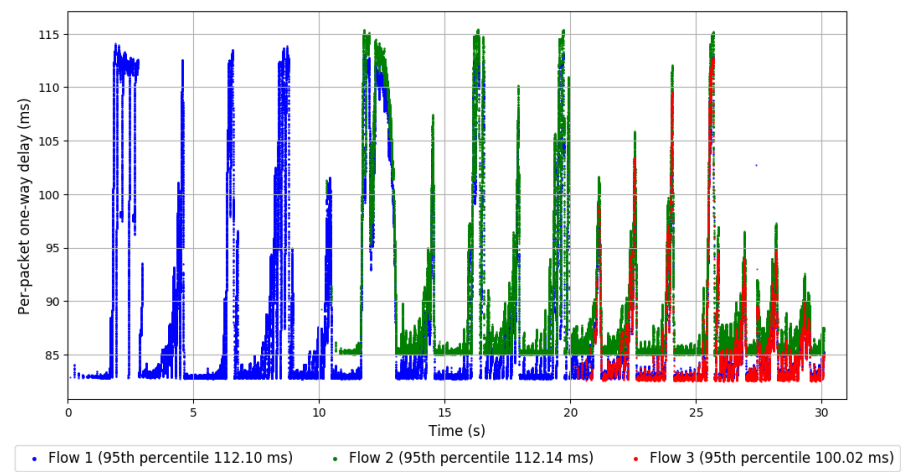
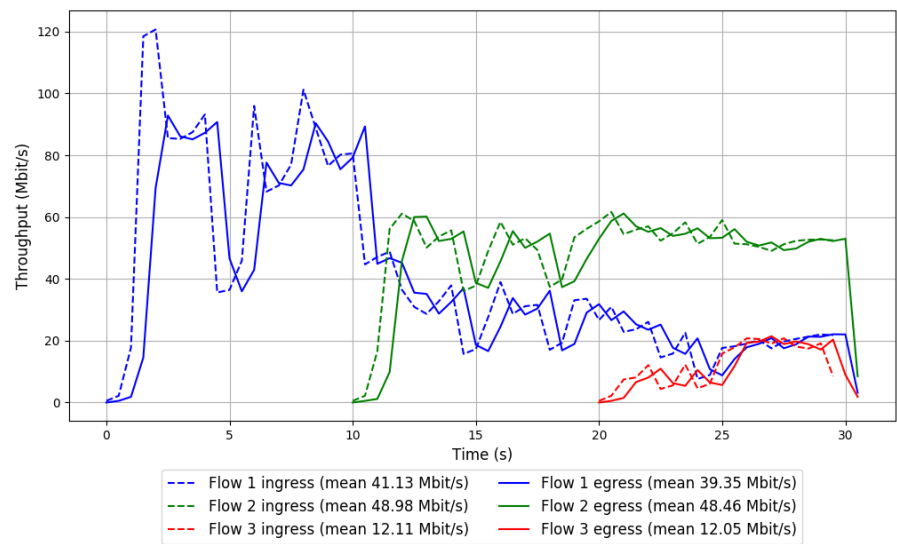


Run 2: Statistics of Copa

Start at: 2018-05-22 03:57:02
End at: 2018-05-22 03:57:32
Local clock offset: -8.446 ms
Remote clock offset: 11.633 ms

Below is generated by plot.py at 2018-05-22 06:41:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.63 Mbit/s
95th percentile per-packet one-way delay: 112.046 ms
Loss rate: 2.76%
-- Flow 1:
Average throughput: 39.35 Mbit/s
95th percentile per-packet one-way delay: 112.101 ms
Loss rate: 4.33%
-- Flow 2:
Average throughput: 48.46 Mbit/s
95th percentile per-packet one-way delay: 112.135 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 100.023 ms
Loss rate: 0.48%

Run 2: Report of Copa — Data Link

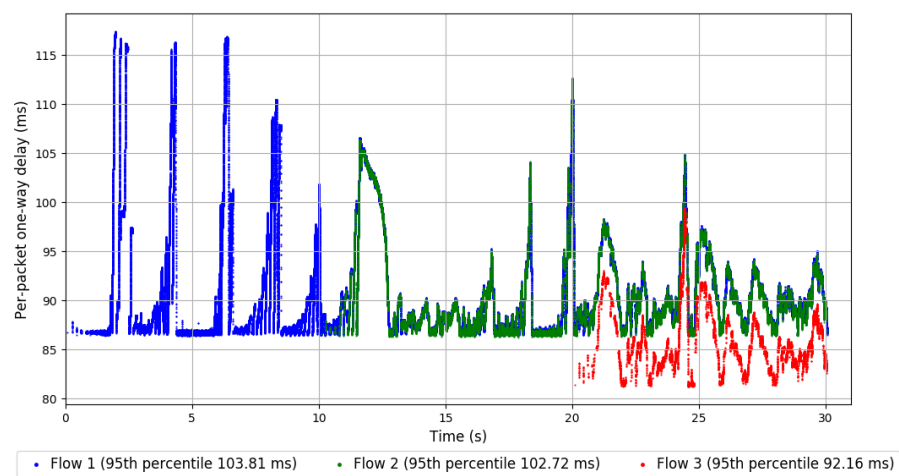
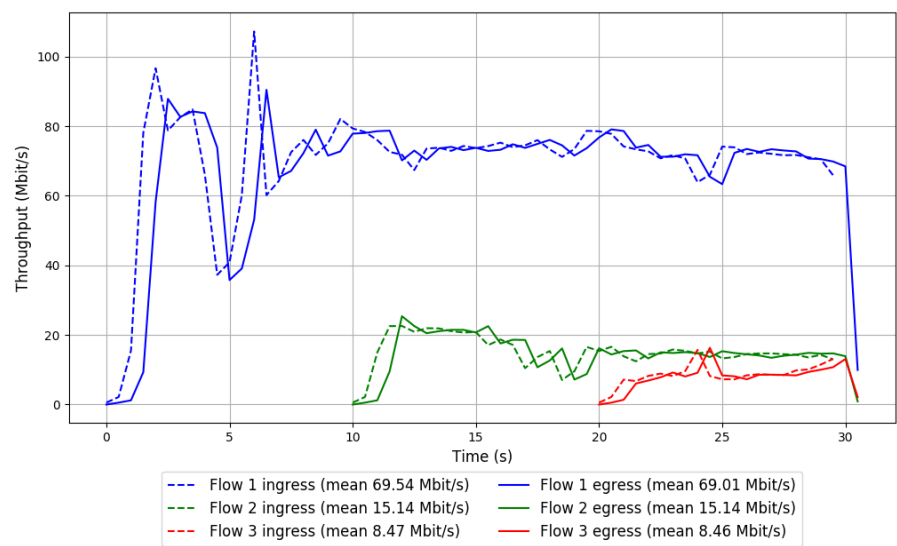


Run 3: Statistics of Copa

Start at: 2018-05-22 04:16:43
End at: 2018-05-22 04:17:13
Local clock offset: -7.289 ms
Remote clock offset: 11.213 ms

Below is generated by plot.py at 2018-05-22 06:41:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.90 Mbit/s
95th percentile per-packet one-way delay: 103.346 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 69.01 Mbit/s
95th percentile per-packet one-way delay: 103.814 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 15.14 Mbit/s
95th percentile per-packet one-way delay: 102.715 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 8.46 Mbit/s
95th percentile per-packet one-way delay: 92.159 ms
Loss rate: 0.04%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-05-22 04:36:26

End at: 2018-05-22 04:36:56

Local clock offset: -7.041 ms

Remote clock offset: 7.531 ms

Below is generated by plot.py at 2018-05-22 06:41:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.81 Mbit/s

95th percentile per-packet one-way delay: 111.684 ms

Loss rate: 3.49%

-- Flow 1:

Average throughput: 45.56 Mbit/s

95th percentile per-packet one-way delay: 111.510 ms

Loss rate: 3.68%

-- Flow 2:

Average throughput: 23.28 Mbit/s

95th percentile per-packet one-way delay: 113.258 ms

Loss rate: 3.46%

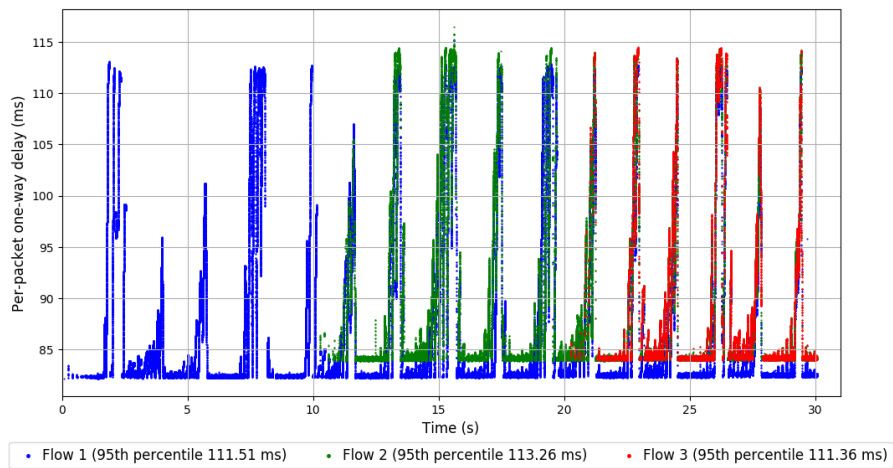
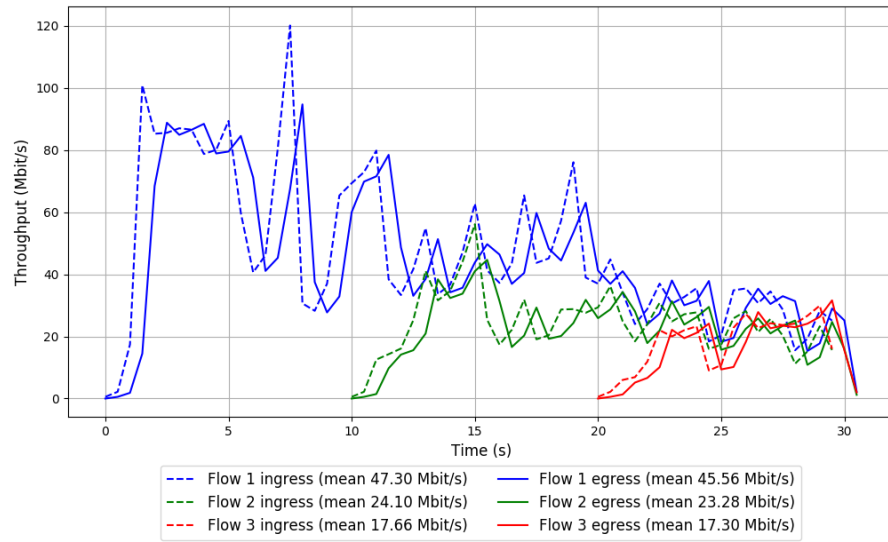
-- Flow 3:

Average throughput: 17.30 Mbit/s

95th percentile per-packet one-way delay: 111.361 ms

Loss rate: 2.02%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-05-22 04:56:06

End at: 2018-05-22 04:56:36

Local clock offset: -7.059 ms

Remote clock offset: 7.078 ms

Below is generated by plot.py at 2018-05-22 06:41:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.98 Mbit/s

95th percentile per-packet one-way delay: 113.430 ms

Loss rate: 2.51%

-- Flow 1:

Average throughput: 43.30 Mbit/s

95th percentile per-packet one-way delay: 113.311 ms

Loss rate: 3.97%

-- Flow 2:

Average throughput: 32.07 Mbit/s

95th percentile per-packet one-way delay: 116.355 ms

Loss rate: 0.73%

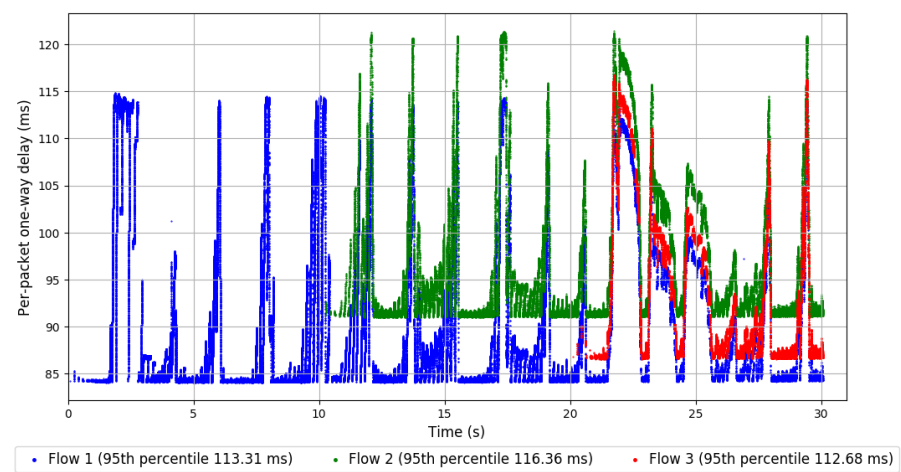
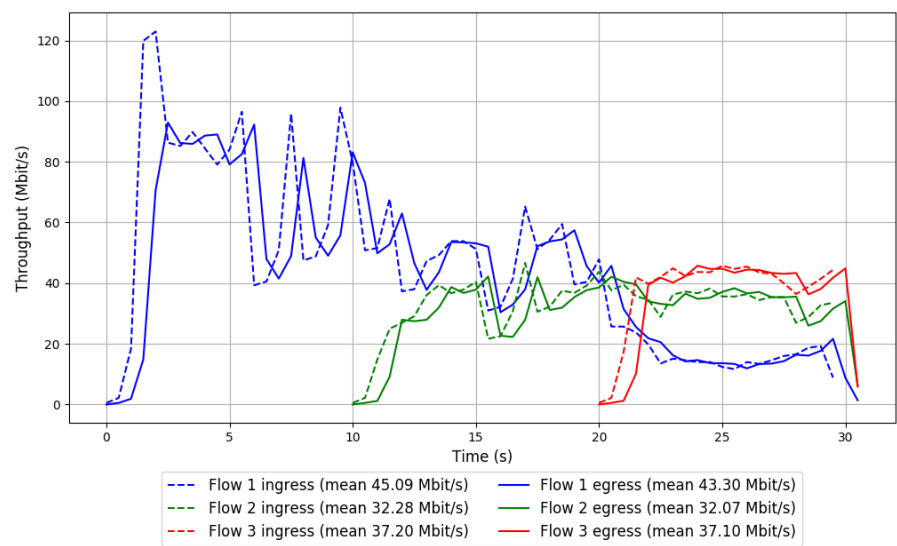
-- Flow 3:

Average throughput: 37.10 Mbit/s

95th percentile per-packet one-way delay: 112.679 ms

Loss rate: 0.27%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-05-22 05:15:48

End at: 2018-05-22 05:16:18

Local clock offset: -1.804 ms

Remote clock offset: 2.625 ms

Below is generated by plot.py at 2018-05-22 06:41:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.20 Mbit/s

95th percentile per-packet one-way delay: 109.768 ms

Loss rate: 1.19%

-- Flow 1:

Average throughput: 44.10 Mbit/s

95th percentile per-packet one-way delay: 109.536 ms

Loss rate: 1.13%

-- Flow 2:

Average throughput: 55.53 Mbit/s

95th percentile per-packet one-way delay: 110.998 ms

Loss rate: 1.35%

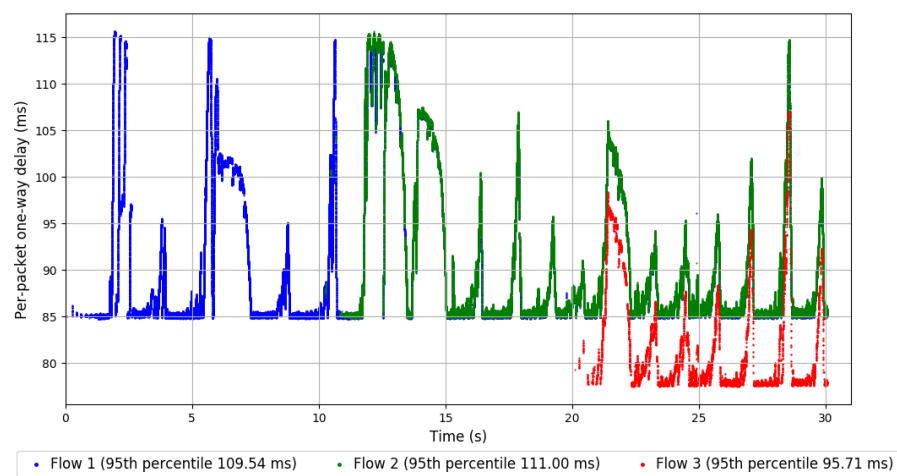
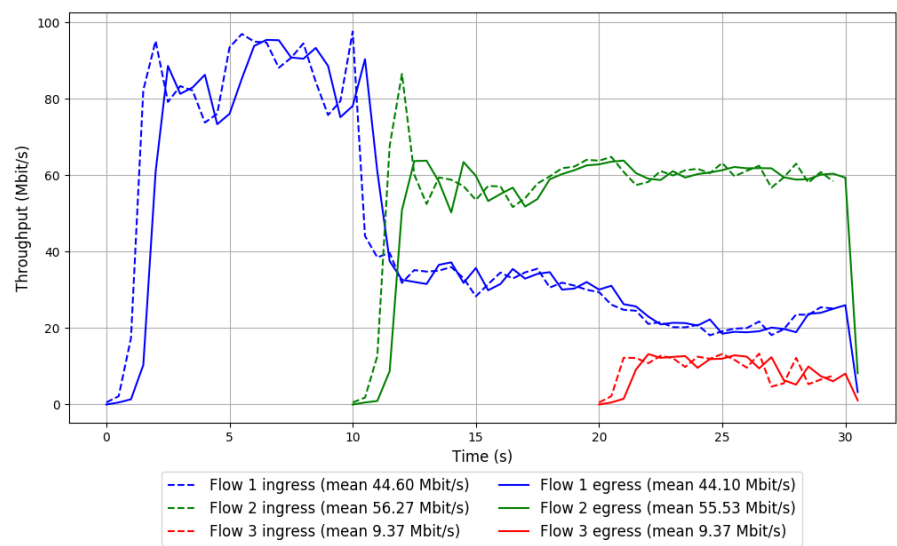
-- Flow 3:

Average throughput: 9.37 Mbit/s

95th percentile per-packet one-way delay: 95.711 ms

Loss rate: 0.07%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-05-22 05:35:33

End at: 2018-05-22 05:36:03

Local clock offset: -1.482 ms

Remote clock offset: 5.616 ms

Below is generated by plot.py at 2018-05-22 06:42:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.16 Mbit/s

95th percentile per-packet one-way delay: 106.145 ms

Loss rate: 2.72%

-- Flow 1:

Average throughput: 42.26 Mbit/s

95th percentile per-packet one-way delay: 106.871 ms

Loss rate: 4.60%

-- Flow 2:

Average throughput: 48.06 Mbit/s

95th percentile per-packet one-way delay: 95.275 ms

Loss rate: 0.44%

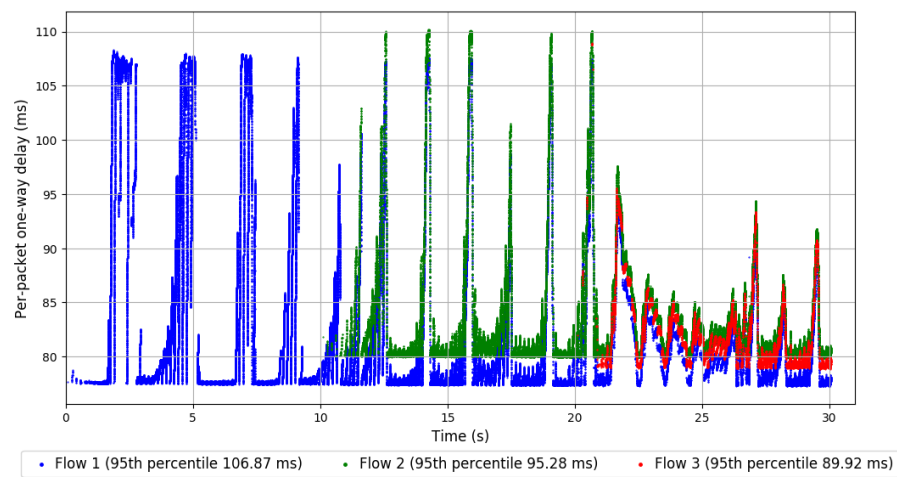
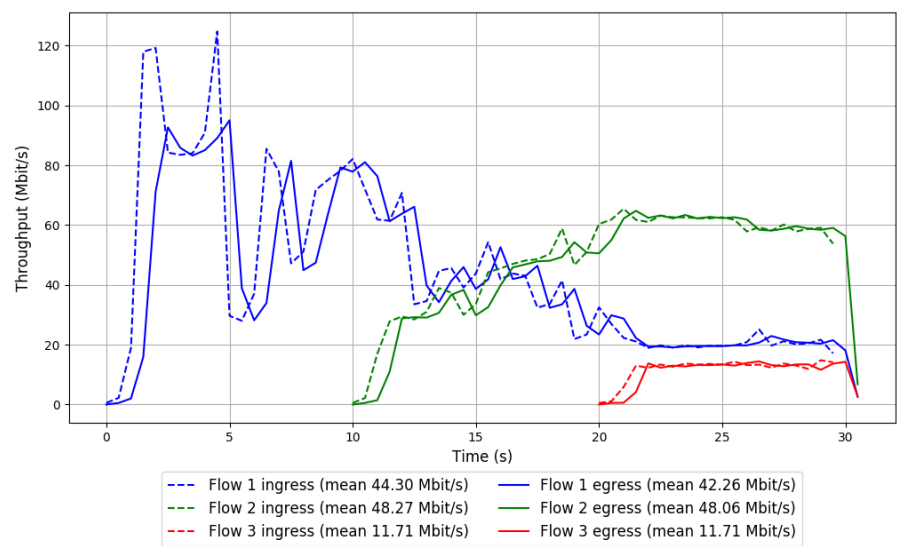
-- Flow 3:

Average throughput: 11.71 Mbit/s

95th percentile per-packet one-way delay: 89.917 ms

Loss rate: 0.06%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-05-22 05:55:13

End at: 2018-05-22 05:55:43

Local clock offset: -1.28 ms

Remote clock offset: 9.669 ms

Below is generated by plot.py at 2018-05-22 06:42:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.53 Mbit/s

95th percentile per-packet one-way delay: 94.329 ms

Loss rate: 0.82%

-- Flow 1:

Average throughput: 67.26 Mbit/s

95th percentile per-packet one-way delay: 94.850 ms

Loss rate: 0.98%

-- Flow 2:

Average throughput: 25.22 Mbit/s

95th percentile per-packet one-way delay: 93.567 ms

Loss rate: 0.32%

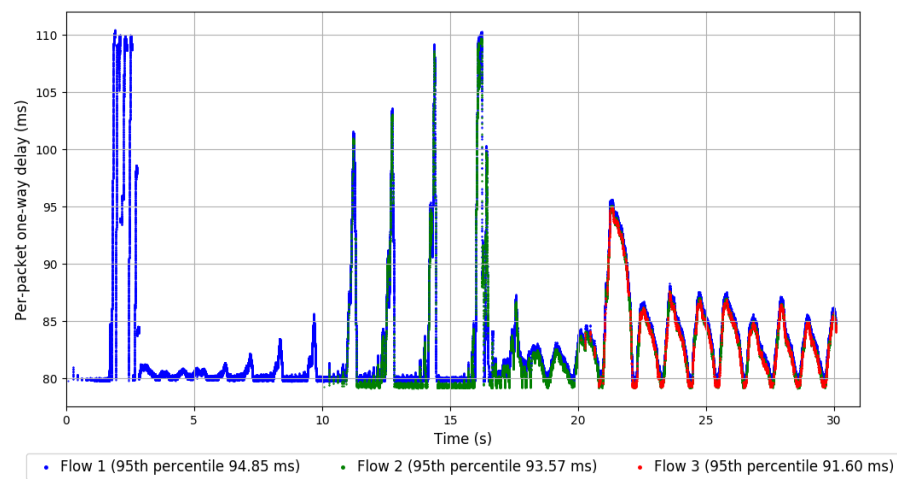
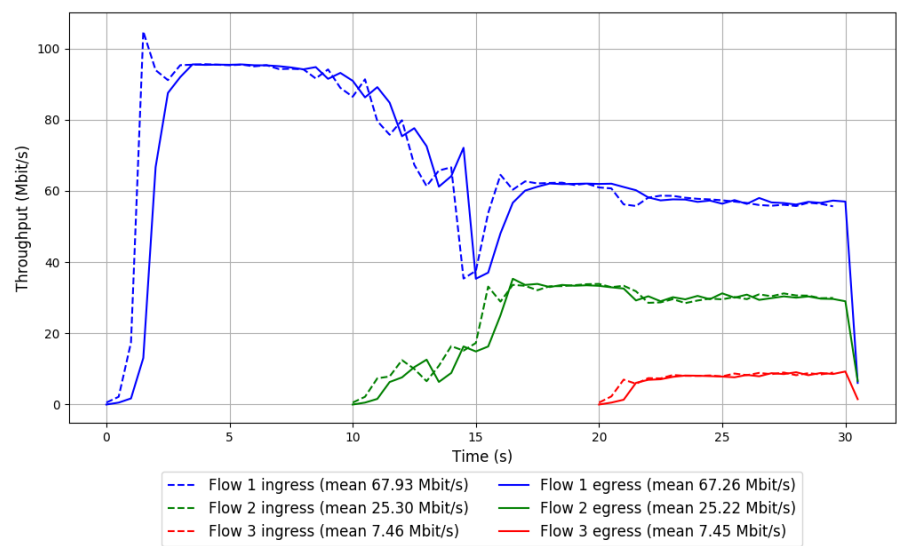
-- Flow 3:

Average throughput: 7.45 Mbit/s

95th percentile per-packet one-way delay: 91.596 ms

Loss rate: 0.02%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-05-22 06:15:40

End at: 2018-05-22 06:16:10

Local clock offset: -7.57 ms

Remote clock offset: 9.21 ms

Below is generated by plot.py at 2018-05-22 06:42:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.04 Mbit/s

95th percentile per-packet one-way delay: 104.860 ms

Loss rate: 1.71%

-- Flow 1:

Average throughput: 76.63 Mbit/s

95th percentile per-packet one-way delay: 106.052 ms

Loss rate: 1.85%

-- Flow 2:

Average throughput: 7.03 Mbit/s

95th percentile per-packet one-way delay: 95.247 ms

Loss rate: 0.00%

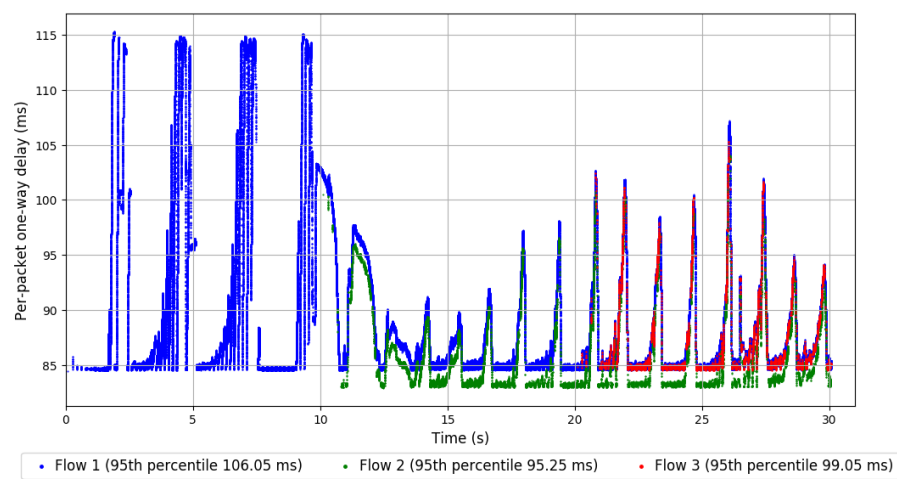
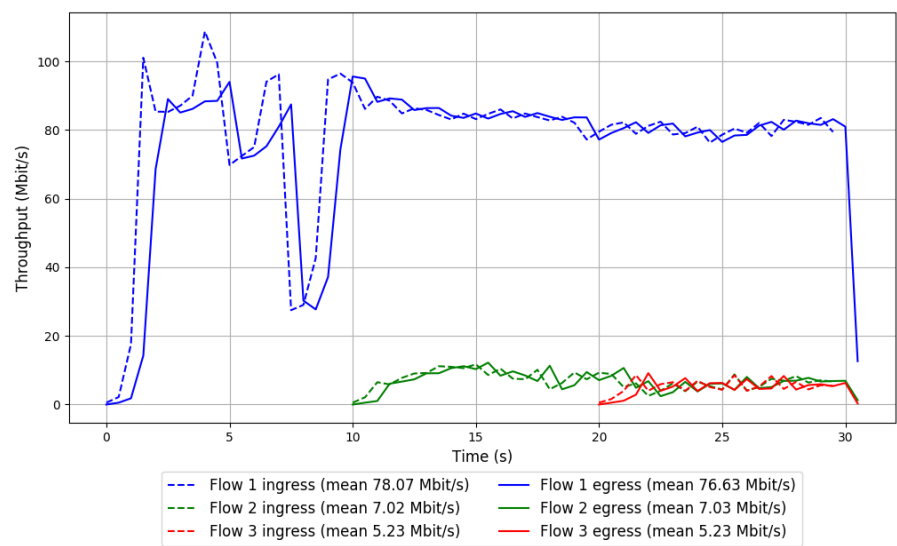
-- Flow 3:

Average throughput: 5.23 Mbit/s

95th percentile per-packet one-way delay: 99.052 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-05-22 06:35:19

End at: 2018-05-22 06:35:49

Local clock offset: -8.29 ms

Remote clock offset: 2.156 ms

Below is generated by plot.py at 2018-05-22 06:42:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.95 Mbit/s

95th percentile per-packet one-way delay: 106.602 ms

Loss rate: 1.53%

-- Flow 1:

Average throughput: 57.99 Mbit/s

95th percentile per-packet one-way delay: 105.985 ms

Loss rate: 1.71%

-- Flow 2:

Average throughput: 14.89 Mbit/s

95th percentile per-packet one-way delay: 105.856 ms

Loss rate: 1.20%

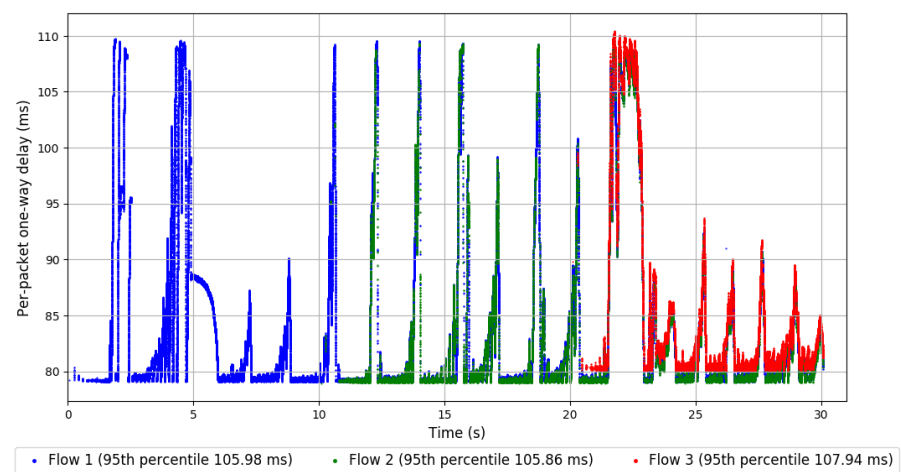
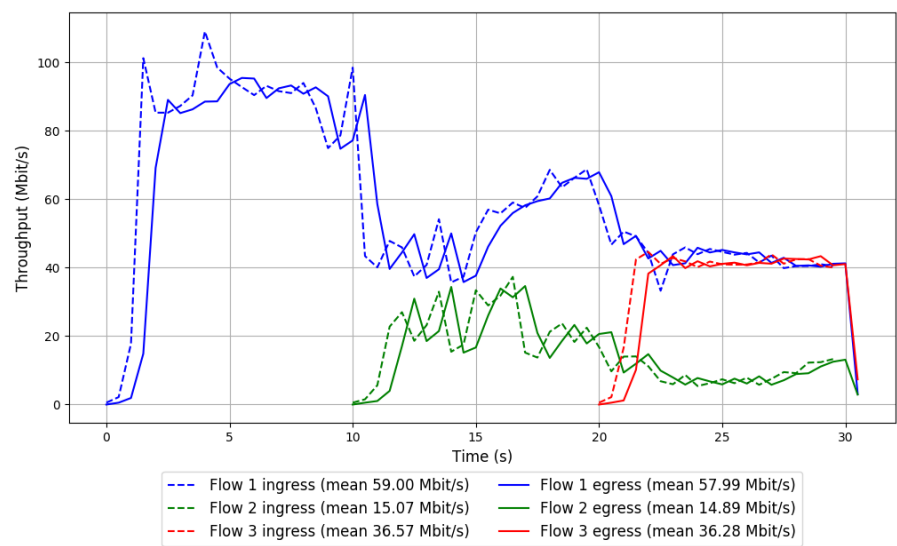
-- Flow 3:

Average throughput: 36.28 Mbit/s

95th percentile per-packet one-way delay: 107.942 ms

Loss rate: 0.92%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-05-22 03:21:25

End at: 2018-05-22 03:21:55

Local clock offset: -0.252 ms

Remote clock offset: 8.084 ms

Below is generated by plot.py at 2018-05-22 06:42:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.89 Mbit/s

95th percentile per-packet one-way delay: 105.573 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 31.26 Mbit/s

95th percentile per-packet one-way delay: 104.854 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 49.20 Mbit/s

95th percentile per-packet one-way delay: 105.878 ms

Loss rate: 0.36%

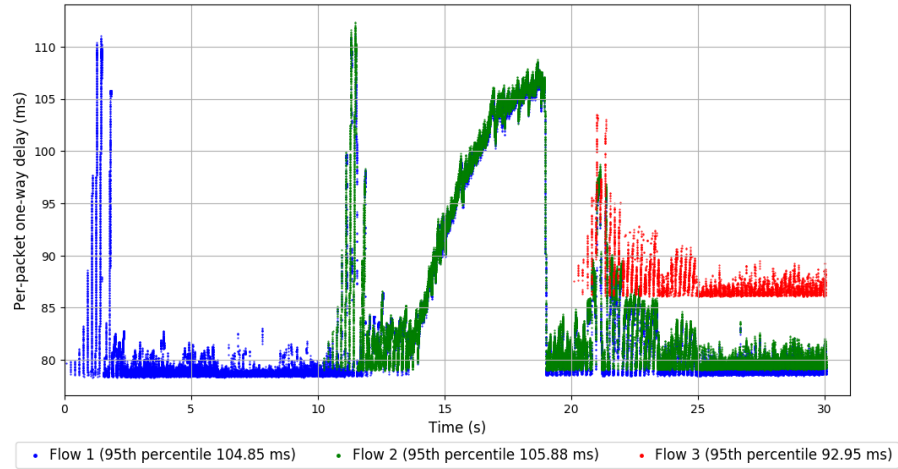
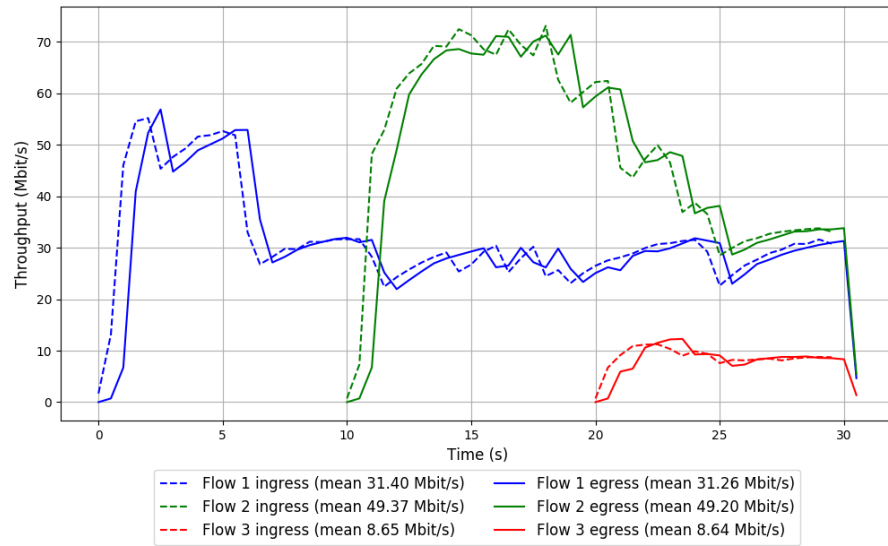
-- Flow 3:

Average throughput: 8.64 Mbit/s

95th percentile per-packet one-way delay: 92.953 ms

Loss rate: 0.04%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-05-22 03:41:06

End at: 2018-05-22 03:41:36

Local clock offset: -6.142 ms

Remote clock offset: 4.224 ms

Below is generated by plot.py at 2018-05-22 06:42:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.72 Mbit/s

95th percentile per-packet one-way delay: 104.261 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 32.41 Mbit/s

95th percentile per-packet one-way delay: 100.136 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 28.56 Mbit/s

95th percentile per-packet one-way delay: 103.262 ms

Loss rate: 1.25%

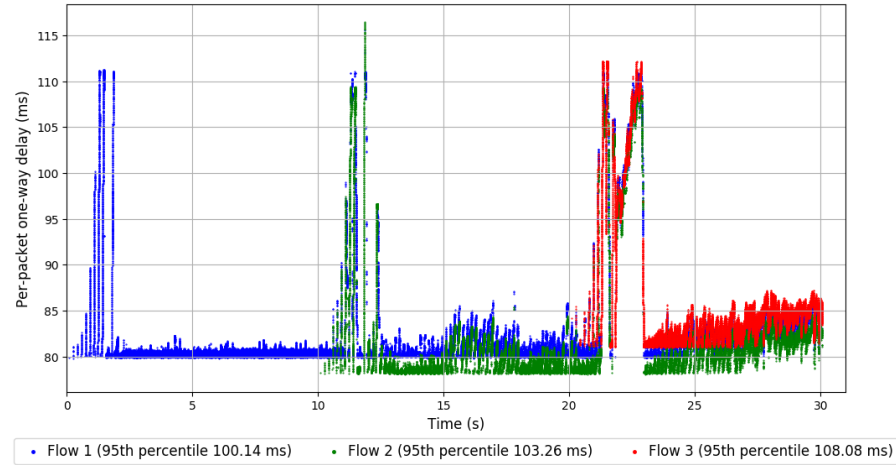
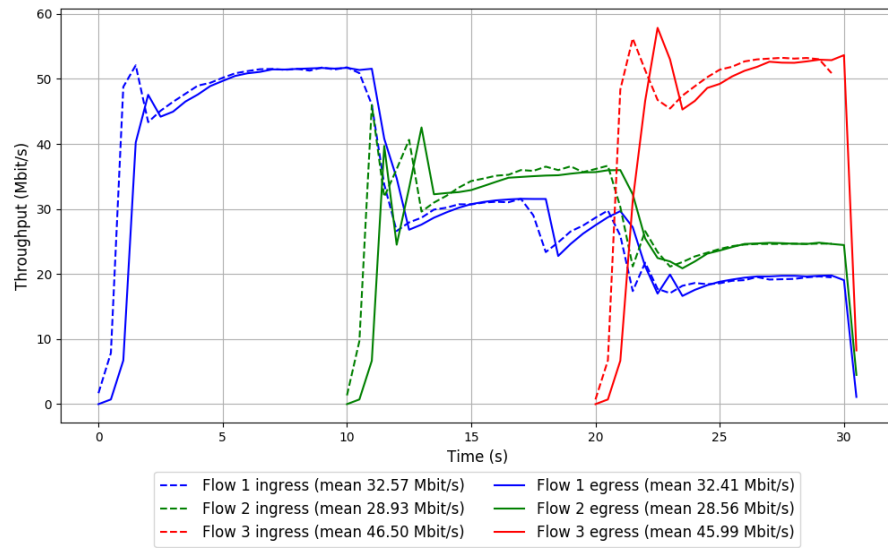
-- Flow 3:

Average throughput: 45.99 Mbit/s

95th percentile per-packet one-way delay: 108.085 ms

Loss rate: 1.11%

Run 2: Report of TCP Cubic — Data Link

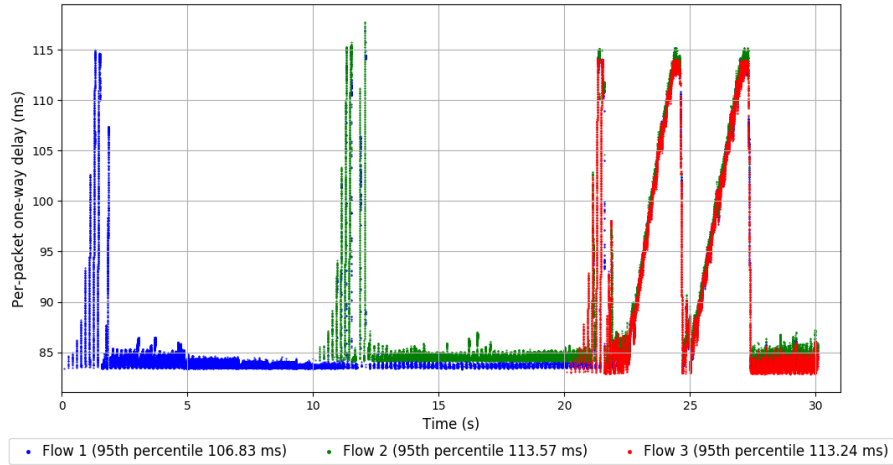
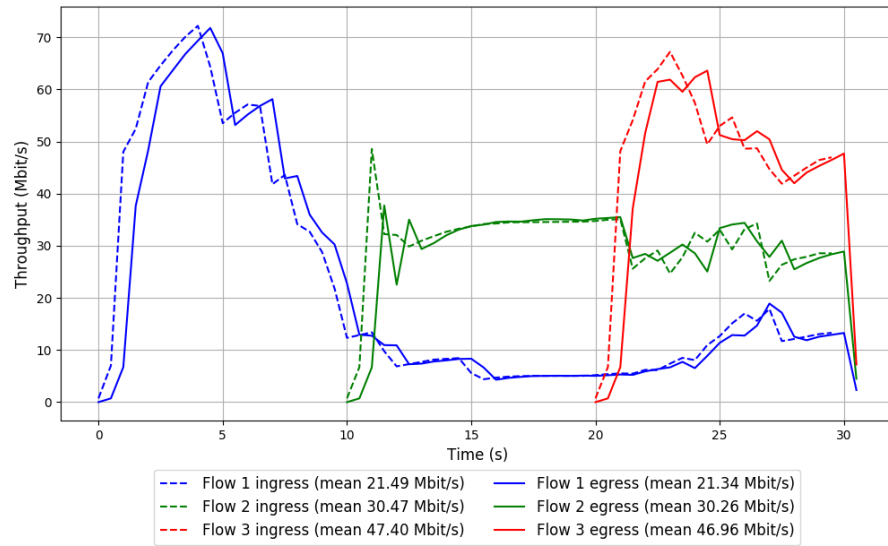


Run 3: Statistics of TCP Cubic

Start at: 2018-05-22 04:00:46
End at: 2018-05-22 04:01:16
Local clock offset: -6.661 ms
Remote clock offset: 12.399 ms

Below is generated by plot.py at 2018-05-22 06:42:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.11 Mbit/s
95th percentile per-packet one-way delay: 112.617 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 21.34 Mbit/s
95th percentile per-packet one-way delay: 106.831 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 30.26 Mbit/s
95th percentile per-packet one-way delay: 113.570 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 46.96 Mbit/s
95th percentile per-packet one-way delay: 113.236 ms
Loss rate: 0.91%

Run 3: Report of TCP Cubic — Data Link

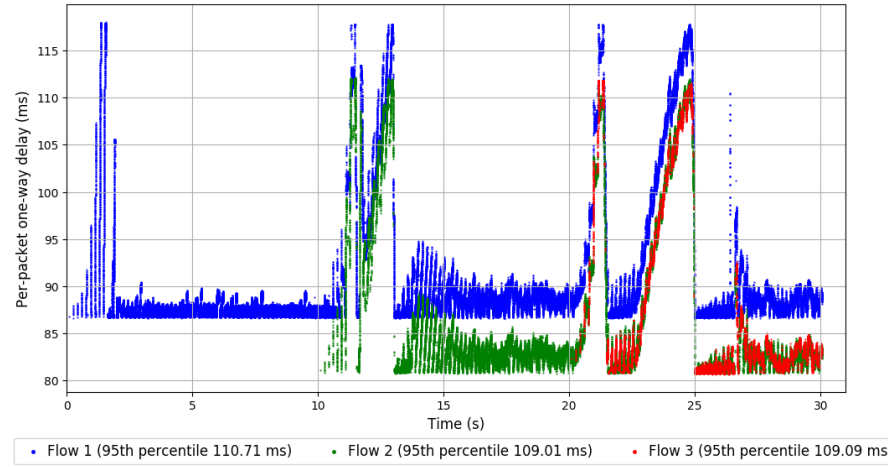
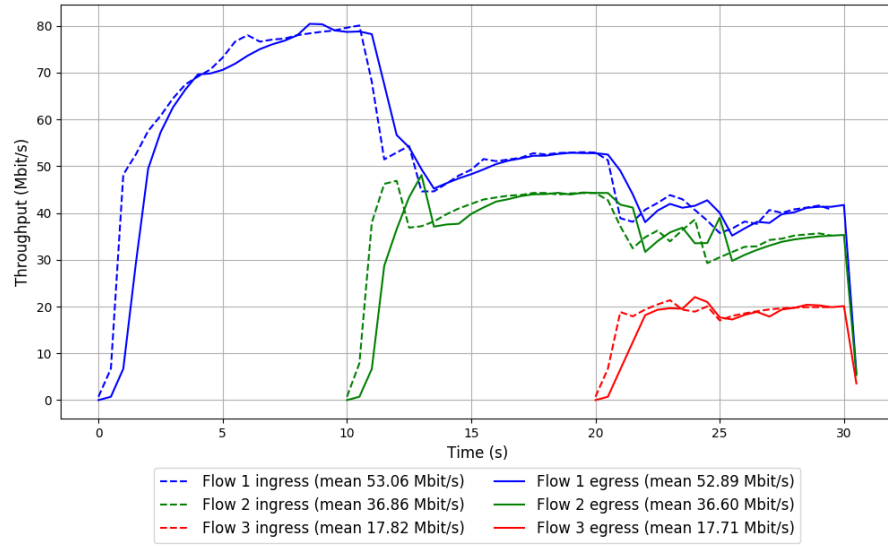


Run 4: Statistics of TCP Cubic

Start at: 2018-05-22 04:20:27
End at: 2018-05-22 04:20:57
Local clock offset: -7.358 ms
Remote clock offset: 11.564 ms

Below is generated by plot.py at 2018-05-22 06:42:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.16 Mbit/s
95th percentile per-packet one-way delay: 109.693 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 52.89 Mbit/s
95th percentile per-packet one-way delay: 110.708 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 36.60 Mbit/s
95th percentile per-packet one-way delay: 109.006 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 17.71 Mbit/s
95th percentile per-packet one-way delay: 109.086 ms
Loss rate: 0.62%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-05-22 04:40:08

End at: 2018-05-22 04:40:38

Local clock offset: -6.963 ms

Remote clock offset: 3.072 ms

Below is generated by plot.py at 2018-05-22 06:43:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.39 Mbit/s

95th percentile per-packet one-way delay: 108.109 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 53.99 Mbit/s

95th percentile per-packet one-way delay: 106.256 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 38.67 Mbit/s

95th percentile per-packet one-way delay: 108.926 ms

Loss rate: 0.66%

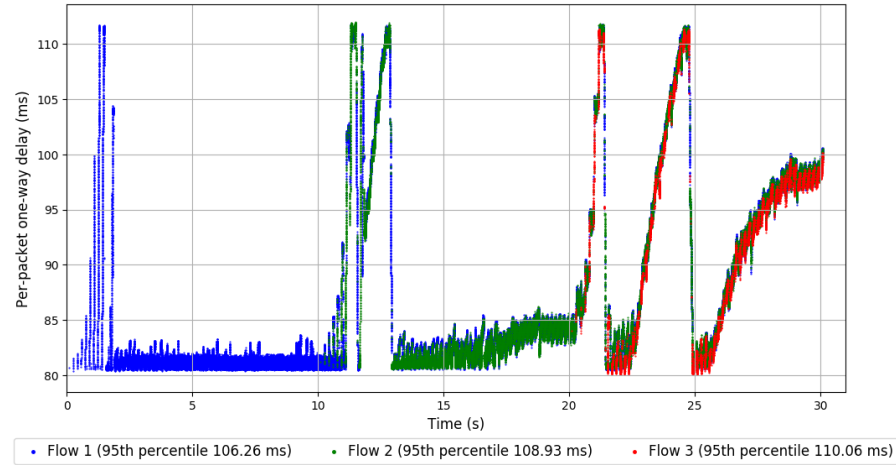
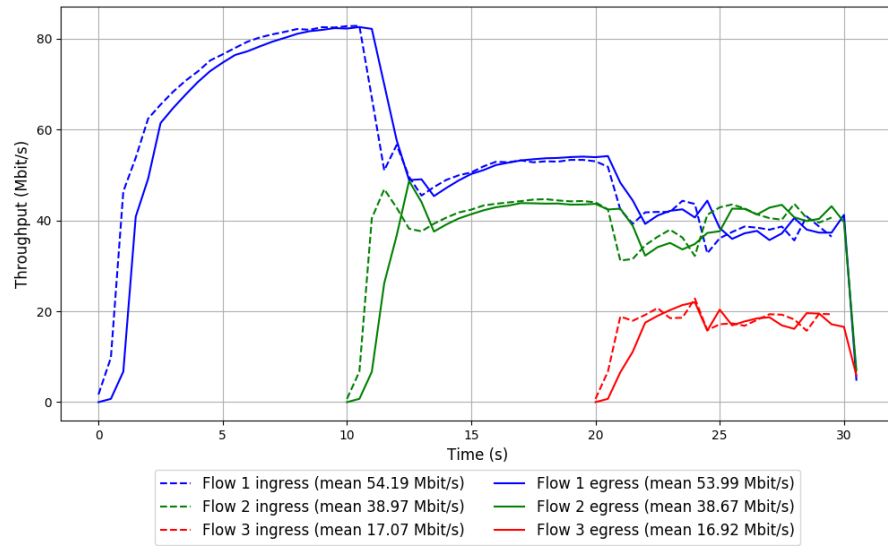
-- Flow 3:

Average throughput: 16.92 Mbit/s

95th percentile per-packet one-way delay: 110.059 ms

Loss rate: 0.71%

Run 5: Report of TCP Cubic — Data Link

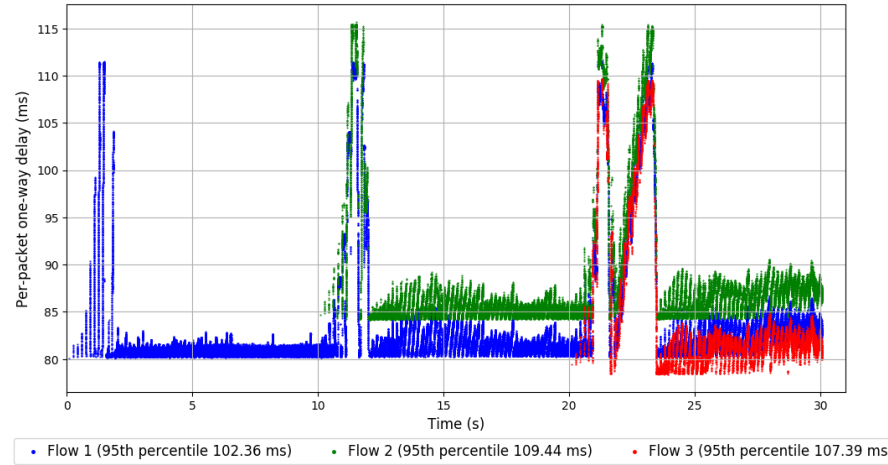
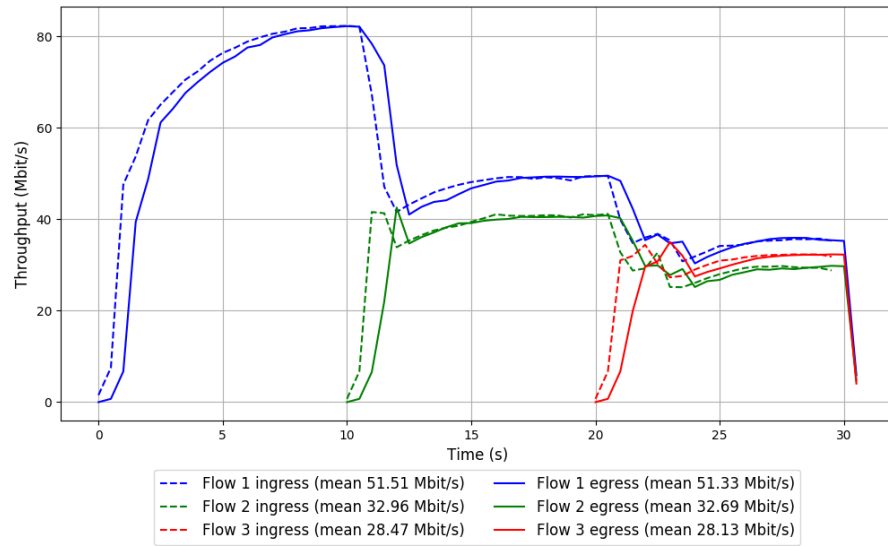


Run 6: Statistics of TCP Cubic

Start at: 2018-05-22 04:59:50
End at: 2018-05-22 05:00:20
Local clock offset: -5.672 ms
Remote clock offset: 2.092 ms

Below is generated by plot.py at 2018-05-22 06:43:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.46 Mbit/s
95th percentile per-packet one-way delay: 104.727 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 51.33 Mbit/s
95th percentile per-packet one-way delay: 102.360 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 32.69 Mbit/s
95th percentile per-packet one-way delay: 109.444 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 28.13 Mbit/s
95th percentile per-packet one-way delay: 107.394 ms
Loss rate: 1.15%

Run 6: Report of TCP Cubic — Data Link

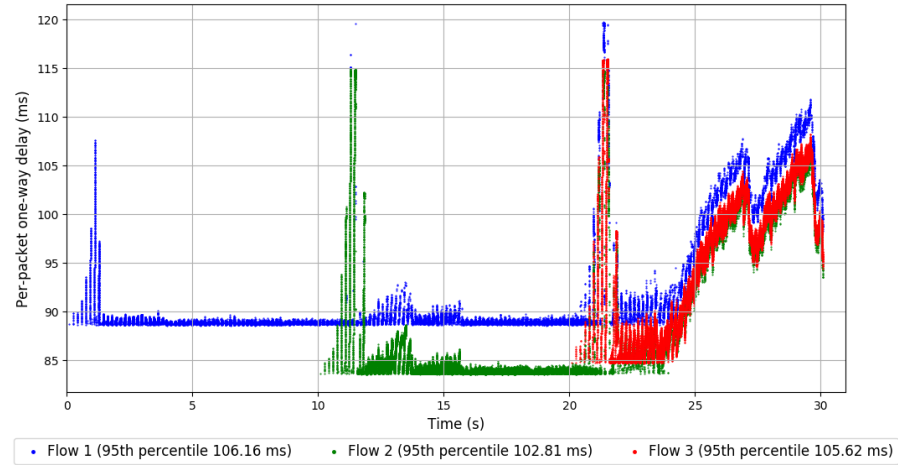
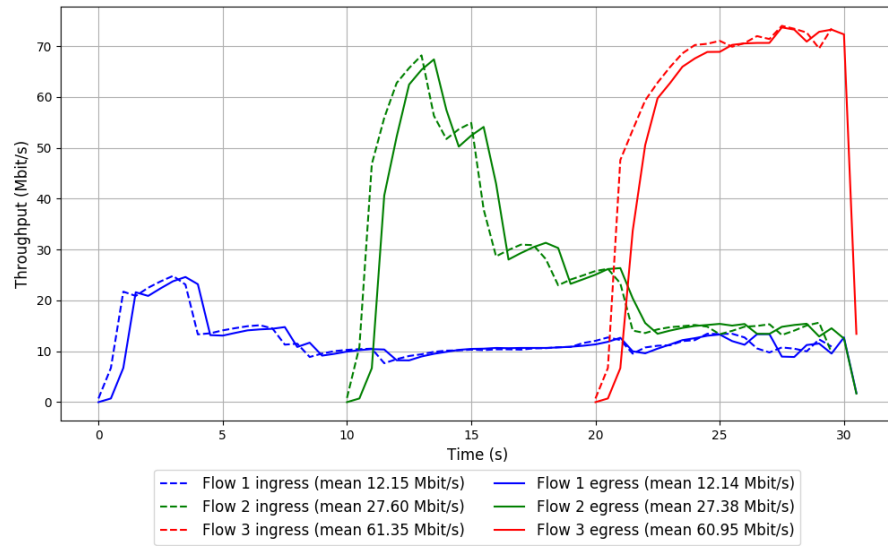


Run 7: Statistics of TCP Cubic

Start at: 2018-05-22 05:19:32
End at: 2018-05-22 05:20:02
Local clock offset: -2.332 ms
Remote clock offset: 7.151 ms

Below is generated by plot.py at 2018-05-22 06:43:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.67 Mbit/s
95th percentile per-packet one-way delay: 105.368 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 12.14 Mbit/s
95th percentile per-packet one-way delay: 106.161 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 27.38 Mbit/s
95th percentile per-packet one-way delay: 102.809 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 60.95 Mbit/s
95th percentile per-packet one-way delay: 105.624 ms
Loss rate: 0.56%

Run 7: Report of TCP Cubic — Data Link

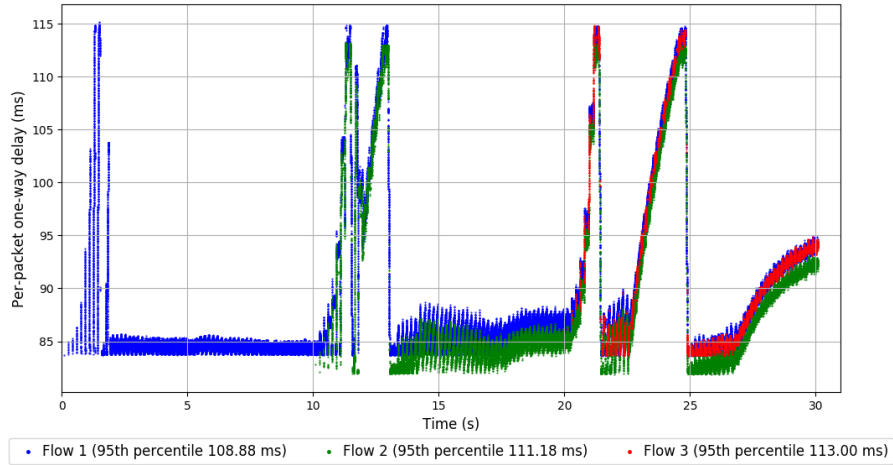
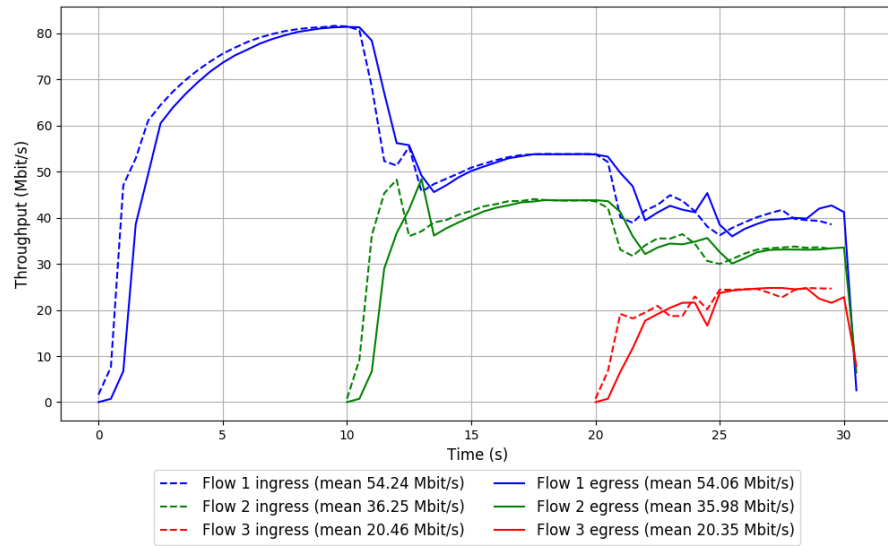


Run 8: Statistics of TCP Cubic

Start at: 2018-05-22 05:39:16
End at: 2018-05-22 05:39:46
Local clock offset: -2.263 ms
Remote clock offset: 10.671 ms

Below is generated by plot.py at 2018-05-22 06:43:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.80 Mbit/s
95th percentile per-packet one-way delay: 110.256 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 54.06 Mbit/s
95th percentile per-packet one-way delay: 108.882 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 35.98 Mbit/s
95th percentile per-packet one-way delay: 111.181 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 20.35 Mbit/s
95th percentile per-packet one-way delay: 113.003 ms
Loss rate: 0.46%

Run 8: Report of TCP Cubic — Data Link

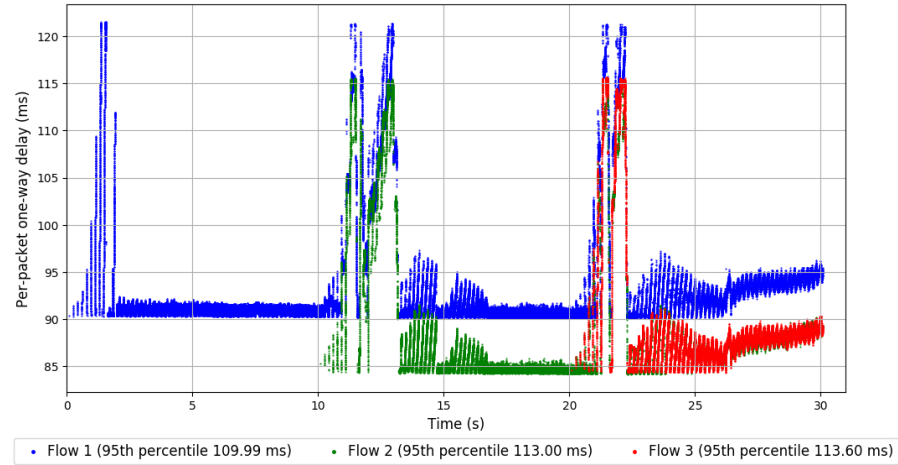
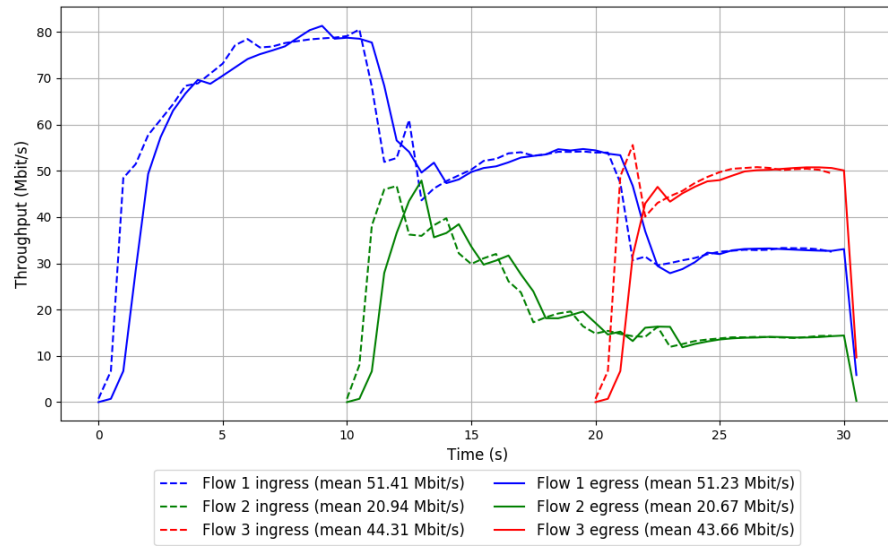


Run 9: Statistics of TCP Cubic

Start at: 2018-05-22 05:58:57
End at: 2018-05-22 05:59:27
Local clock offset: -3.413 ms
Remote clock offset: 14.749 ms

Below is generated by plot.py at 2018-05-22 06:43:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.53 Mbit/s
95th percentile per-packet one-way delay: 111.747 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 51.23 Mbit/s
95th percentile per-packet one-way delay: 109.992 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 20.67 Mbit/s
95th percentile per-packet one-way delay: 113.000 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 43.66 Mbit/s
95th percentile per-packet one-way delay: 113.604 ms
Loss rate: 1.44%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-05-22 06:19:24

End at: 2018-05-22 06:19:54

Local clock offset: -8.012 ms

Remote clock offset: 3.934 ms

Below is generated by plot.py at 2018-05-22 06:43:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.73 Mbit/s

95th percentile per-packet one-way delay: 104.970 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 39.43 Mbit/s

95th percentile per-packet one-way delay: 102.382 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 27.19 Mbit/s

95th percentile per-packet one-way delay: 101.240 ms

Loss rate: 0.69%

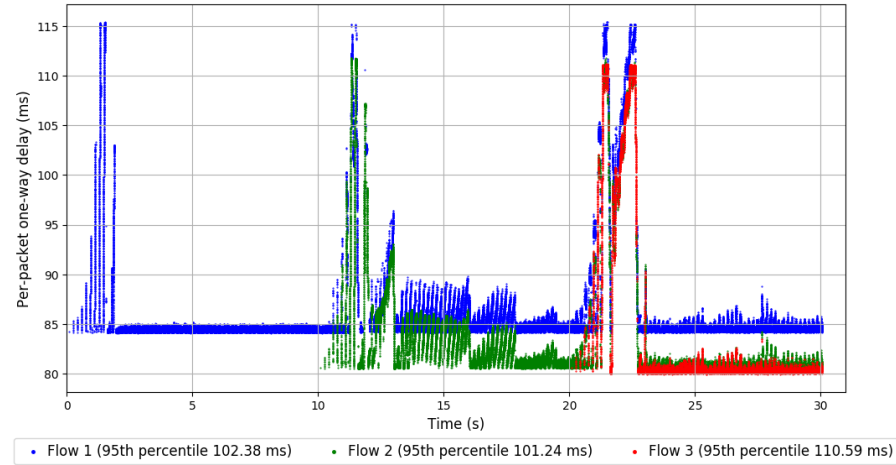
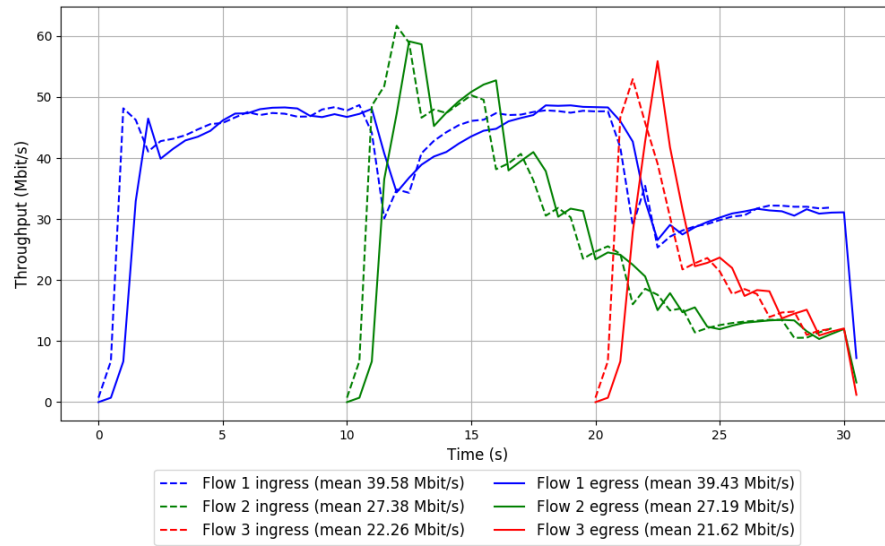
-- Flow 3:

Average throughput: 21.62 Mbit/s

95th percentile per-packet one-way delay: 110.595 ms

Loss rate: 2.88%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-05-22 03:38:40

End at: 2018-05-22 03:39:10

Local clock offset: -6.527 ms

Remote clock offset: 4.366 ms

Below is generated by plot.py at 2018-05-22 06:44:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.06 Mbit/s

95th percentile per-packet one-way delay: 108.689 ms

Loss rate: 18.97%

-- Flow 1:

Average throughput: 55.61 Mbit/s

95th percentile per-packet one-way delay: 108.710 ms

Loss rate: 17.59%

-- Flow 2:

Average throughput: 41.78 Mbit/s

95th percentile per-packet one-way delay: 107.312 ms

Loss rate: 21.25%

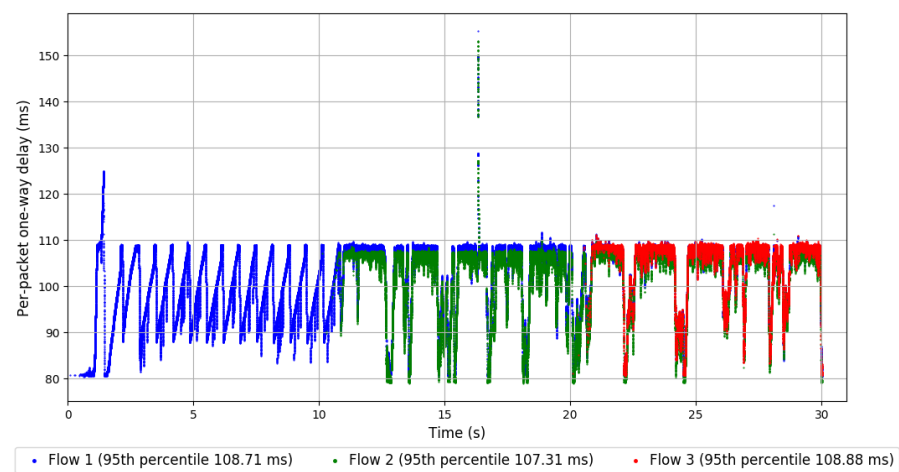
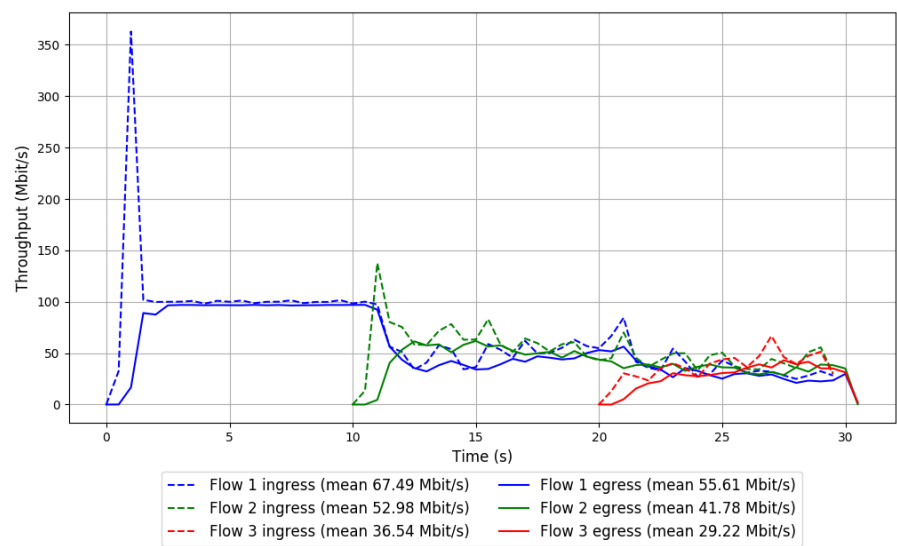
-- Flow 3:

Average throughput: 29.22 Mbit/s

95th percentile per-packet one-way delay: 108.881 ms

Loss rate: 20.03%

Run 1: Report of FillP — Data Link

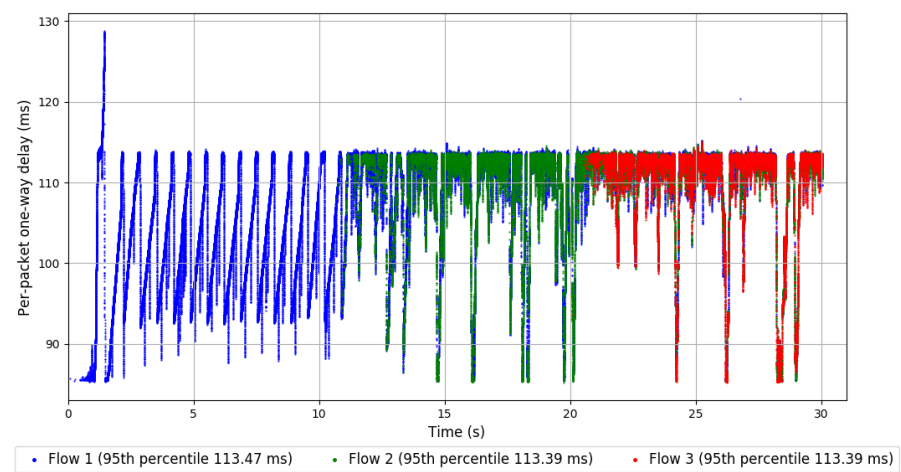
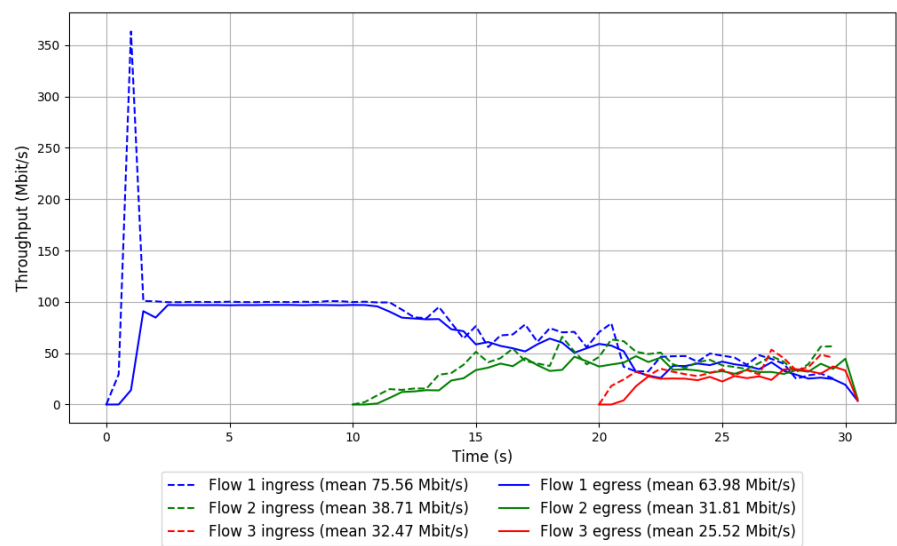


Run 2: Statistics of FillP

Start at: 2018-05-22 03:58:20
End at: 2018-05-22 03:58:50
Local clock offset: -8.396 ms
Remote clock offset: 12.727 ms

Below is generated by plot.py at 2018-05-22 06:44:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.42 Mbit/s
95th percentile per-packet one-way delay: 113.446 ms
Loss rate: 16.60%
-- Flow 1:
Average throughput: 63.98 Mbit/s
95th percentile per-packet one-way delay: 113.472 ms
Loss rate: 15.26%
-- Flow 2:
Average throughput: 31.81 Mbit/s
95th percentile per-packet one-way delay: 113.389 ms
Loss rate: 18.57%
-- Flow 3:
Average throughput: 25.52 Mbit/s
95th percentile per-packet one-way delay: 113.391 ms
Loss rate: 21.24%

Run 2: Report of FillP — Data Link

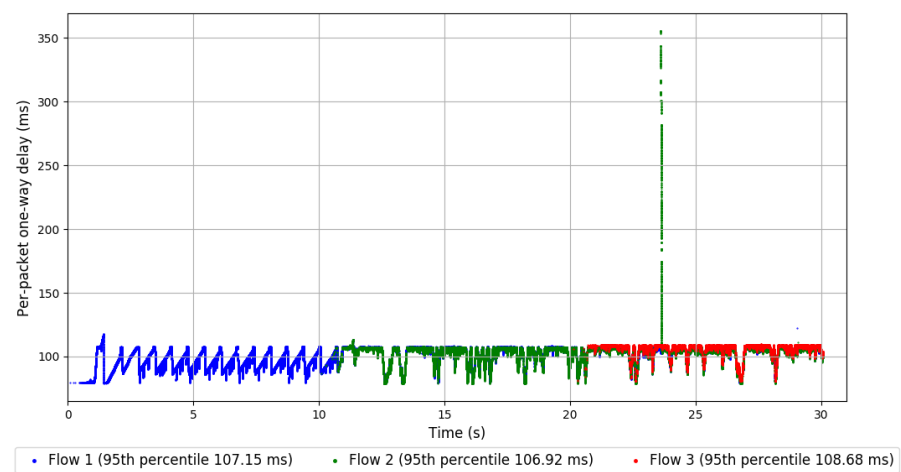
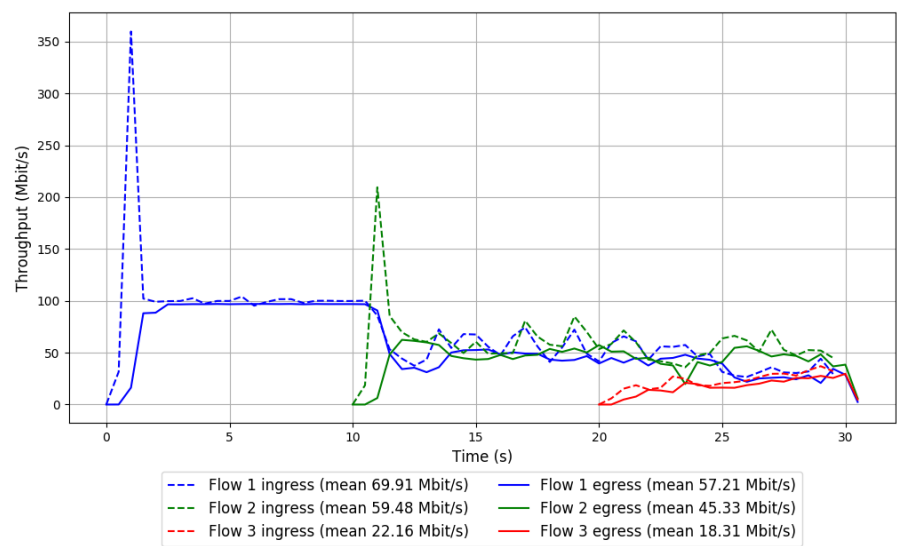


Run 3: Statistics of FillP

Start at: 2018-05-22 04:18:01
End at: 2018-05-22 04:18:31
Local clock offset: -8.076 ms
Remote clock offset: 10.533 ms

Below is generated by plot.py at 2018-05-22 06:44:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.47 Mbit/s
95th percentile per-packet one-way delay: 107.415 ms
Loss rate: 19.96%
-- Flow 1:
Average throughput: 57.21 Mbit/s
95th percentile per-packet one-way delay: 107.151 ms
Loss rate: 18.10%
-- Flow 2:
Average throughput: 45.33 Mbit/s
95th percentile per-packet one-way delay: 106.925 ms
Loss rate: 23.74%
-- Flow 3:
Average throughput: 18.31 Mbit/s
95th percentile per-packet one-way delay: 108.679 ms
Loss rate: 17.38%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-05-22 04:37:42

End at: 2018-05-22 04:38:12

Local clock offset: -6.243 ms

Remote clock offset: 3.451 ms

Below is generated by plot.py at 2018-05-22 06:44:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.70 Mbit/s

95th percentile per-packet one-way delay: 112.957 ms

Loss rate: 19.81%

-- Flow 1:

Average throughput: 59.99 Mbit/s

95th percentile per-packet one-way delay: 111.317 ms

Loss rate: 19.07%

-- Flow 2:

Average throughput: 41.95 Mbit/s

95th percentile per-packet one-way delay: 113.122 ms

Loss rate: 22.06%

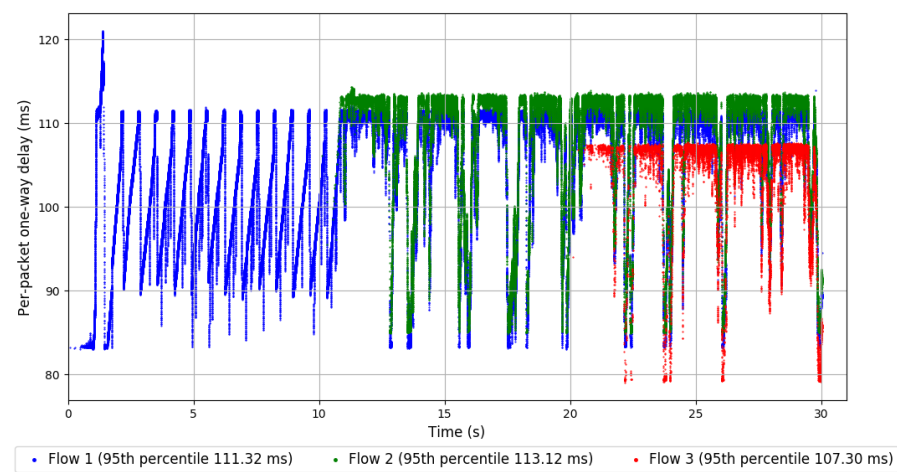
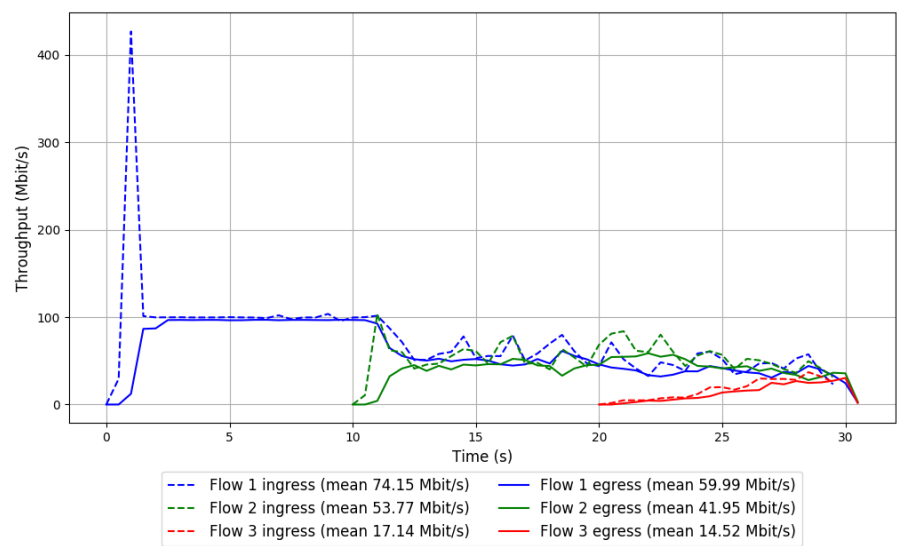
-- Flow 3:

Average throughput: 14.52 Mbit/s

95th percentile per-packet one-way delay: 107.299 ms

Loss rate: 15.39%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-05-22 04:57:24

End at: 2018-05-22 04:57:54

Local clock offset: -6.732 ms

Remote clock offset: 6.574 ms

Below is generated by plot.py at 2018-05-22 06:44:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.07 Mbit/s

95th percentile per-packet one-way delay: 112.500 ms

Loss rate: 22.07%

-- Flow 1:

Average throughput: 56.65 Mbit/s

95th percentile per-packet one-way delay: 112.567 ms

Loss rate: 18.78%

-- Flow 2:

Average throughput: 36.48 Mbit/s

95th percentile per-packet one-way delay: 111.313 ms

Loss rate: 22.50%

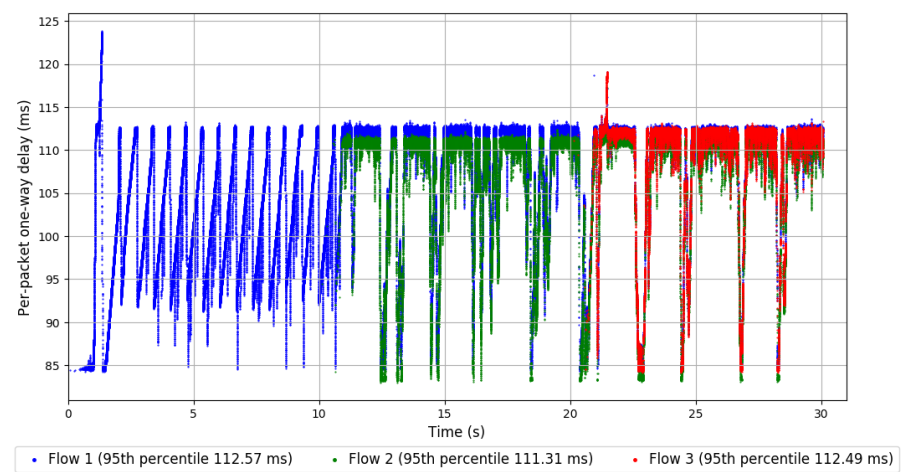
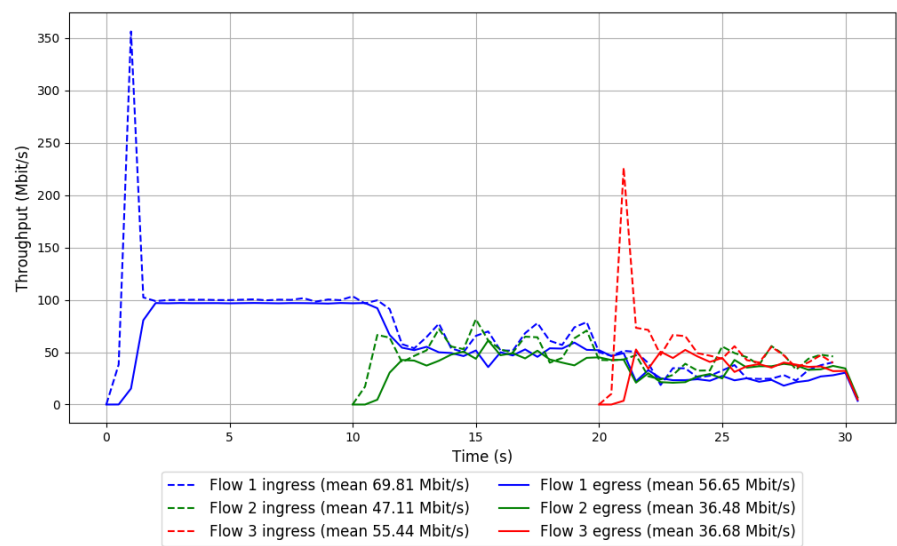
-- Flow 3:

Average throughput: 36.68 Mbit/s

95th percentile per-packet one-way delay: 112.488 ms

Loss rate: 33.82%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-05-22 05:17:06

End at: 2018-05-22 05:17:36

Local clock offset: -2.536 ms

Remote clock offset: 2.537 ms

Below is generated by plot.py at 2018-05-22 06:44:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.33 Mbit/s

95th percentile per-packet one-way delay: 109.109 ms

Loss rate: 20.33%

-- Flow 1:

Average throughput: 52.18 Mbit/s

95th percentile per-packet one-way delay: 106.603 ms

Loss rate: 17.03%

-- Flow 2:

Average throughput: 43.71 Mbit/s

95th percentile per-packet one-way delay: 109.169 ms

Loss rate: 22.62%

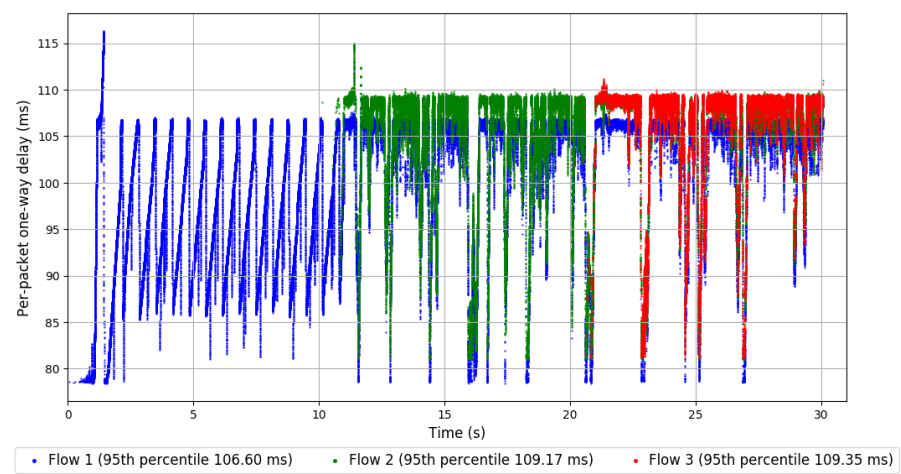
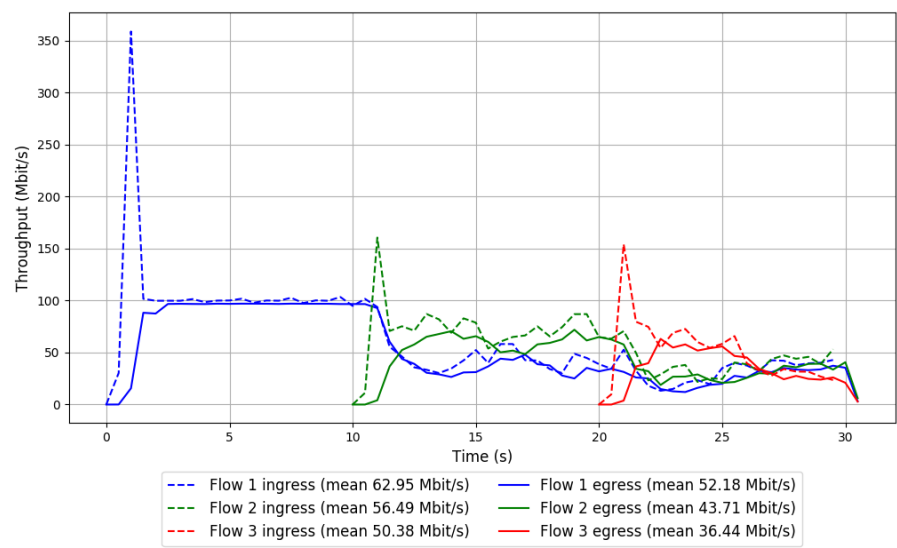
-- Flow 3:

Average throughput: 36.44 Mbit/s

95th percentile per-packet one-way delay: 109.347 ms

Loss rate: 27.62%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-05-22 05:36:50

End at: 2018-05-22 05:37:20

Local clock offset: -1.487 ms

Remote clock offset: 9.949 ms

Below is generated by plot.py at 2018-05-22 06:44:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.19 Mbit/s

95th percentile per-packet one-way delay: 116.661 ms

Loss rate: 19.53%

-- Flow 1:

Average throughput: 59.51 Mbit/s

95th percentile per-packet one-way delay: 116.745 ms

Loss rate: 18.13%

-- Flow 2:

Average throughput: 30.64 Mbit/s

95th percentile per-packet one-way delay: 114.804 ms

Loss rate: 22.35%

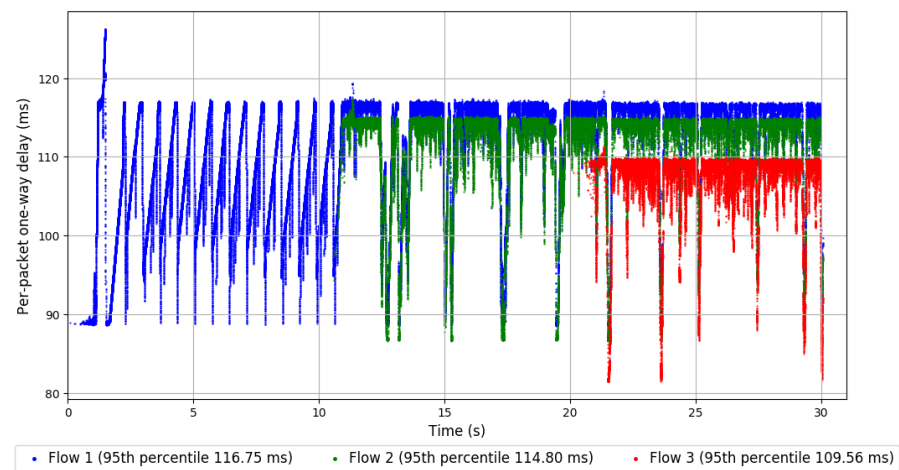
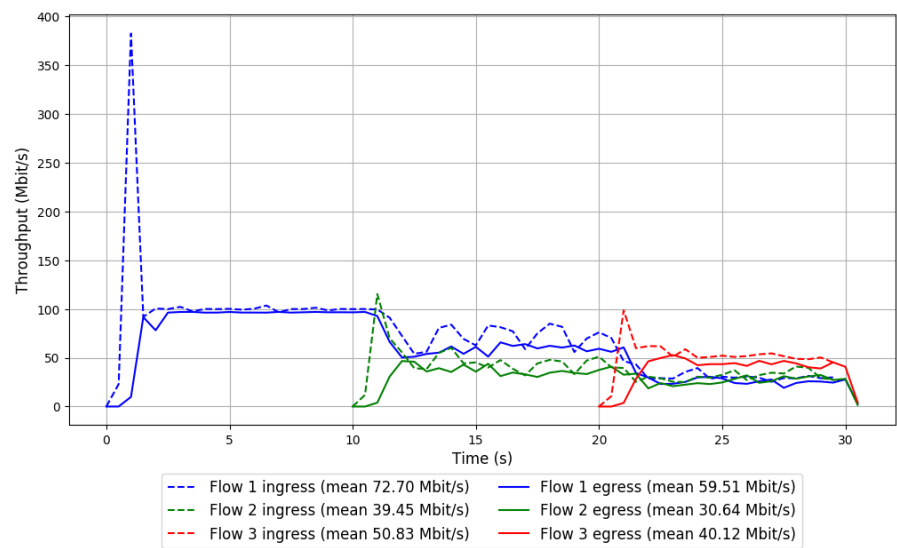
-- Flow 3:

Average throughput: 40.12 Mbit/s

95th percentile per-packet one-way delay: 109.560 ms

Loss rate: 21.19%

Run 7: Report of FillP — Data Link

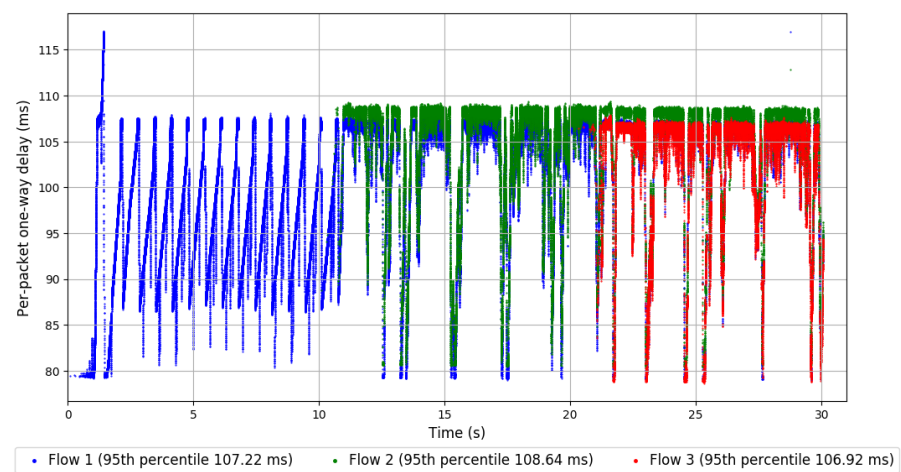
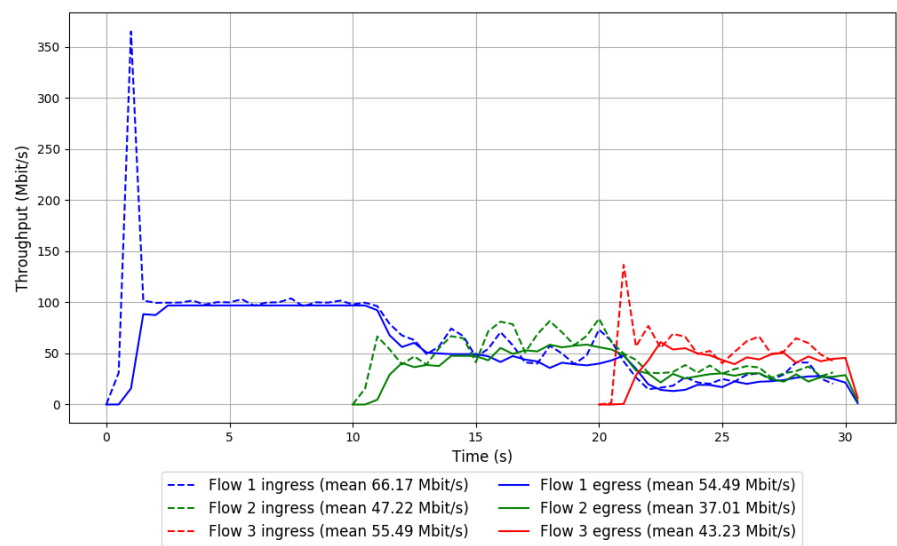


Run 8: Statistics of FillP

Start at: 2018-05-22 05:56:31
End at: 2018-05-22 05:57:01
Local clock offset: -2.079 ms
Remote clock offset: 10.787 ms

Below is generated by plot.py at 2018-05-22 06:44:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.14 Mbit/s
95th percentile per-packet one-way delay: 108.422 ms
Loss rate: 19.67%
-- Flow 1:
Average throughput: 54.49 Mbit/s
95th percentile per-packet one-way delay: 107.215 ms
Loss rate: 17.61%
-- Flow 2:
Average throughput: 37.01 Mbit/s
95th percentile per-packet one-way delay: 108.643 ms
Loss rate: 21.60%
-- Flow 3:
Average throughput: 43.23 Mbit/s
95th percentile per-packet one-way delay: 106.925 ms
Loss rate: 23.77%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-05-22 06:16:58

End at: 2018-05-22 06:17:28

Local clock offset: -6.609 ms

Remote clock offset: 4.252 ms

Below is generated by plot.py at 2018-05-22 06:45:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.46 Mbit/s

95th percentile per-packet one-way delay: 110.750 ms

Loss rate: 18.75%

-- Flow 1:

Average throughput: 61.16 Mbit/s

95th percentile per-packet one-way delay: 106.830 ms

Loss rate: 15.53%

-- Flow 2:

Average throughput: 29.67 Mbit/s

95th percentile per-packet one-way delay: 110.885 ms

Loss rate: 20.09%

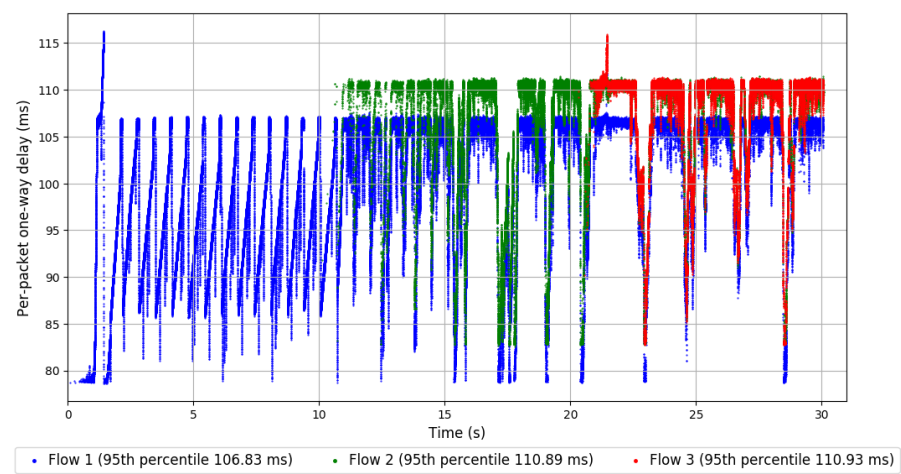
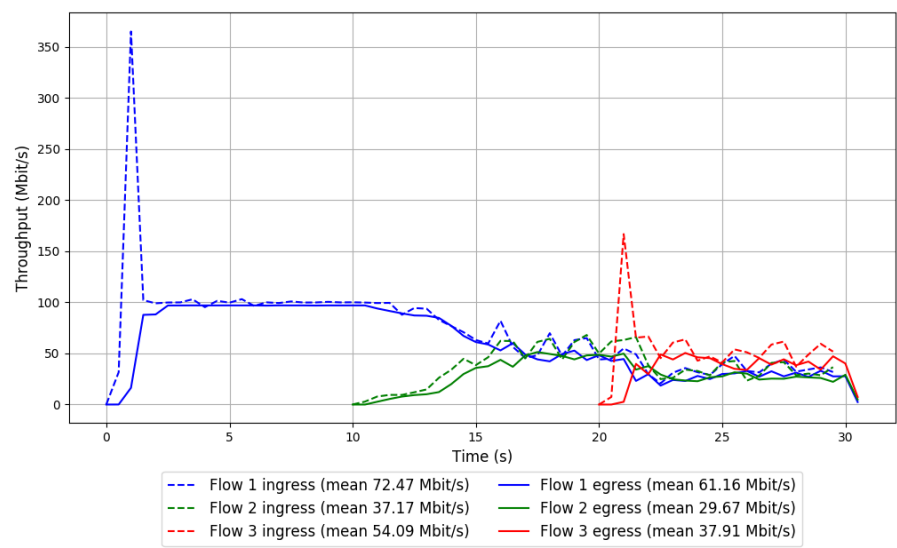
-- Flow 3:

Average throughput: 37.91 Mbit/s

95th percentile per-packet one-way delay: 110.933 ms

Loss rate: 29.91%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-05-22 06:36:37

End at: 2018-05-22 06:37:07

Local clock offset: -9.132 ms

Remote clock offset: 2.018 ms

Below is generated by plot.py at 2018-05-22 06:45:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.55 Mbit/s

95th percentile per-packet one-way delay: 107.137 ms

Loss rate: 15.92%

-- Flow 1:

Average throughput: 63.83 Mbit/s

95th percentile per-packet one-way delay: 106.594 ms

Loss rate: 15.04%

-- Flow 2:

Average throughput: 35.85 Mbit/s

95th percentile per-packet one-way delay: 107.161 ms

Loss rate: 17.75%

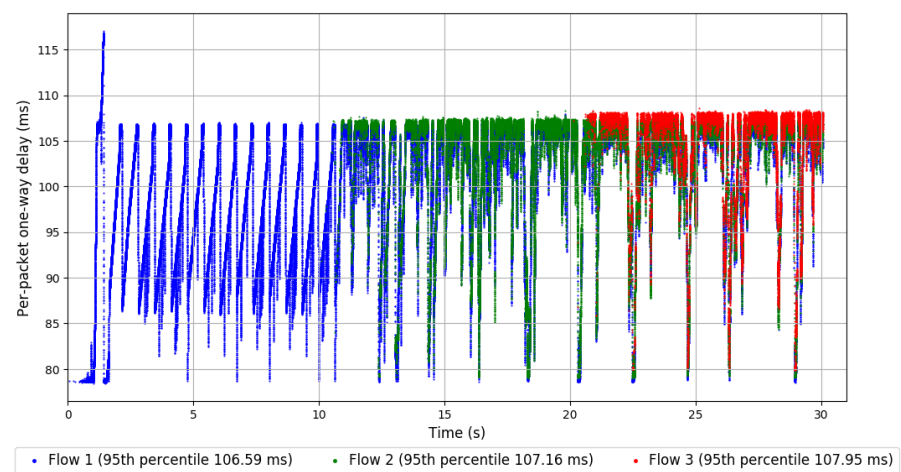
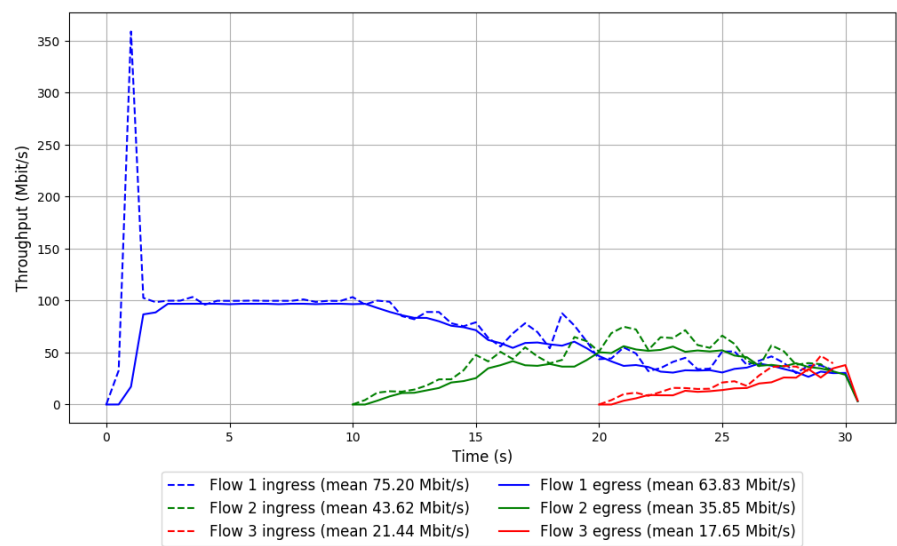
-- Flow 3:

Average throughput: 17.65 Mbit/s

95th percentile per-packet one-way delay: 107.951 ms

Loss rate: 17.70%

Run 10: Report of FillP — Data Link

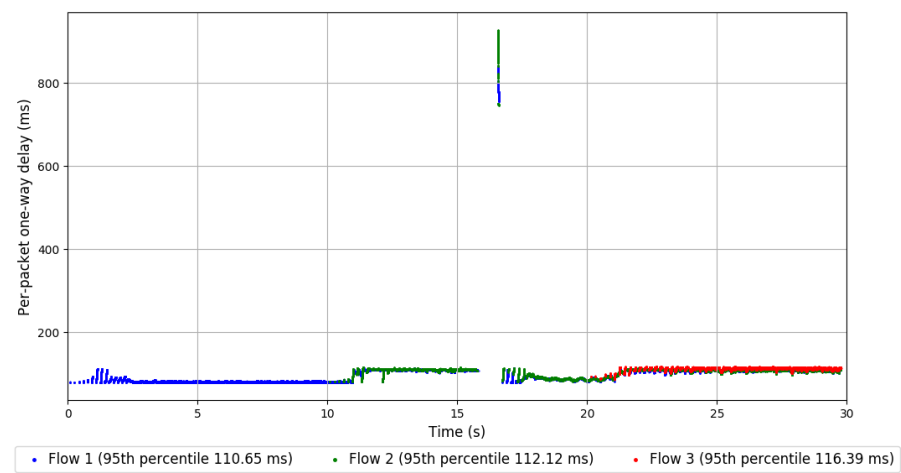
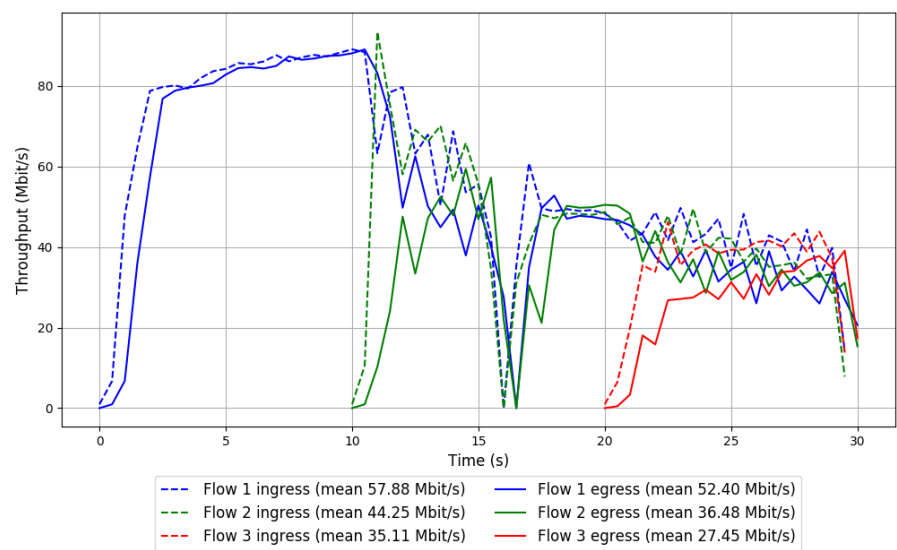


```
Run 1: Statistics of Indigo

Start at: 2018-05-22 03:22:39
End at: 2018-05-22 03:23:09
Local clock offset: -1.818 ms
Remote clock offset: 6.756 ms

# Below is generated by plot.py at 2018-05-22 06:45:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.45 Mbit/s
95th percentile per-packet one-way delay: 114.666 ms
Loss rate: 13.20%
-- Flow 1:
Average throughput: 52.40 Mbit/s
95th percentile per-packet one-way delay: 110.653 ms
Loss rate: 9.37%
-- Flow 2:
Average throughput: 36.48 Mbit/s
95th percentile per-packet one-way delay: 112.116 ms
Loss rate: 17.45%
-- Flow 3:
Average throughput: 27.45 Mbit/s
95th percentile per-packet one-way delay: 116.385 ms
Loss rate: 21.69%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-05-22 03:42:21

End at: 2018-05-22 03:42:51

Local clock offset: -7.164 ms

Remote clock offset: 4.952 ms

Below is generated by plot.py at 2018-05-22 06:45:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.35 Mbit/s

95th percentile per-packet one-way delay: 112.561 ms

Loss rate: 7.94%

-- Flow 1:

Average throughput: 61.74 Mbit/s

95th percentile per-packet one-way delay: 112.574 ms

Loss rate: 5.37%

-- Flow 2:

Average throughput: 34.10 Mbit/s

95th percentile per-packet one-way delay: 112.417 ms

Loss rate: 8.51%

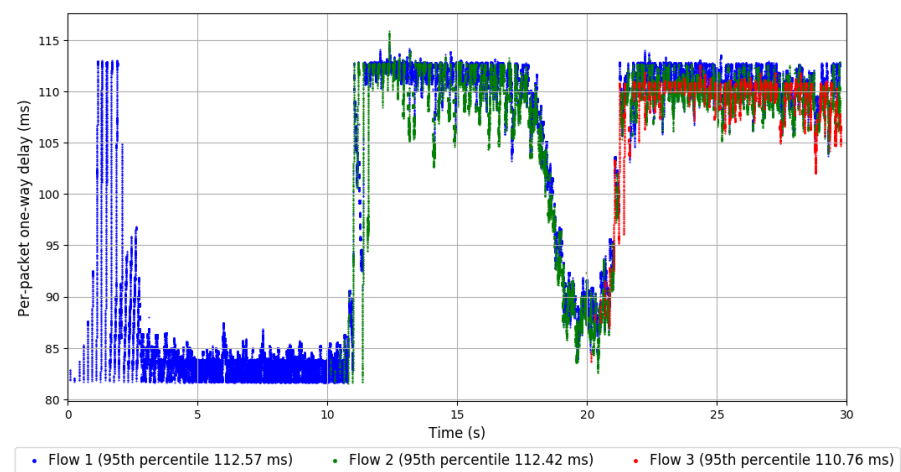
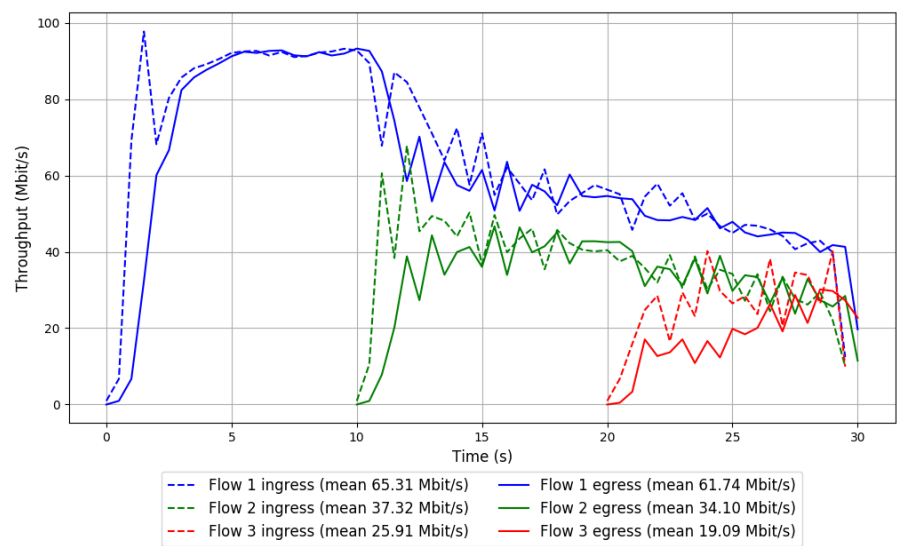
-- Flow 3:

Average throughput: 19.09 Mbit/s

95th percentile per-packet one-way delay: 110.760 ms

Loss rate: 26.16%

Run 2: Report of Indigo — Data Link

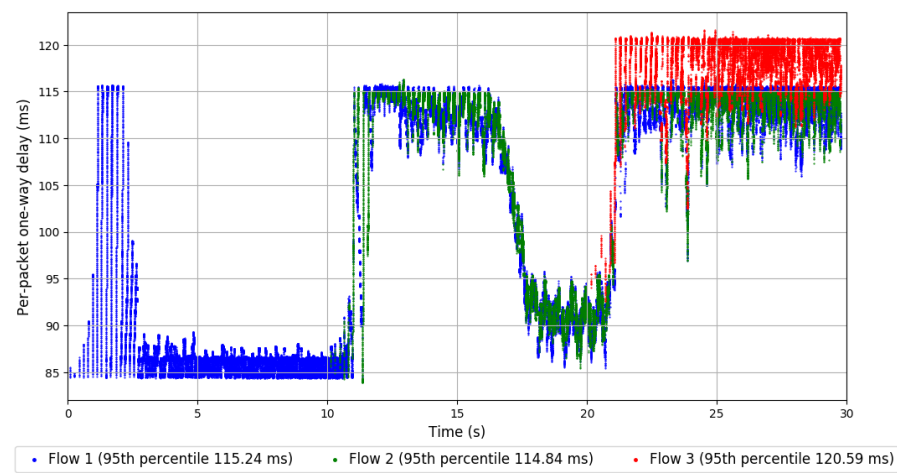
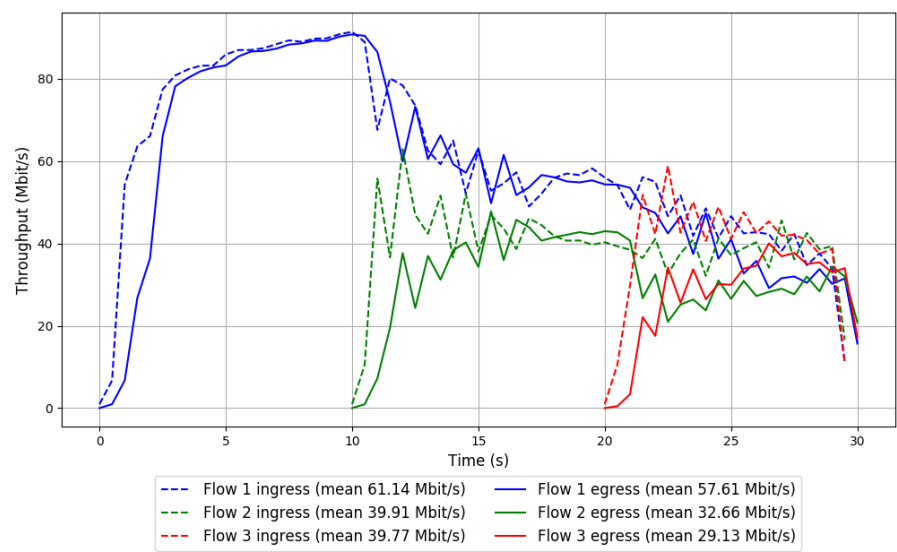


Run 3: Statistics of Indigo

Start at: 2018-05-22 04:02:00
End at: 2018-05-22 04:02:30
Local clock offset: -7.38 ms
Remote clock offset: 12.593 ms

Below is generated by plot.py at 2018-05-22 06:45:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.66 Mbit/s
95th percentile per-packet one-way delay: 118.550 ms
Loss rate: 11.62%
-- Flow 1:
Average throughput: 57.61 Mbit/s
95th percentile per-packet one-way delay: 115.243 ms
Loss rate: 5.68%
-- Flow 2:
Average throughput: 32.66 Mbit/s
95th percentile per-packet one-way delay: 114.840 ms
Loss rate: 18.06%
-- Flow 3:
Average throughput: 29.13 Mbit/s
95th percentile per-packet one-way delay: 120.588 ms
Loss rate: 26.61%

Run 3: Report of Indigo — Data Link

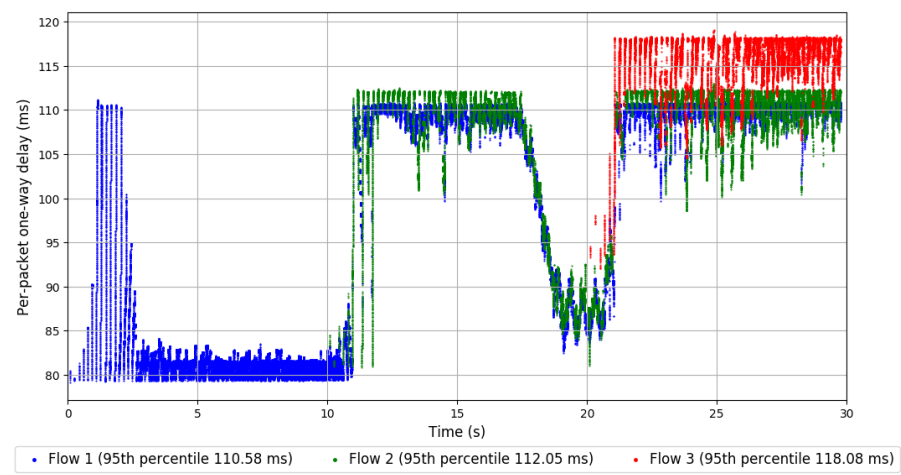
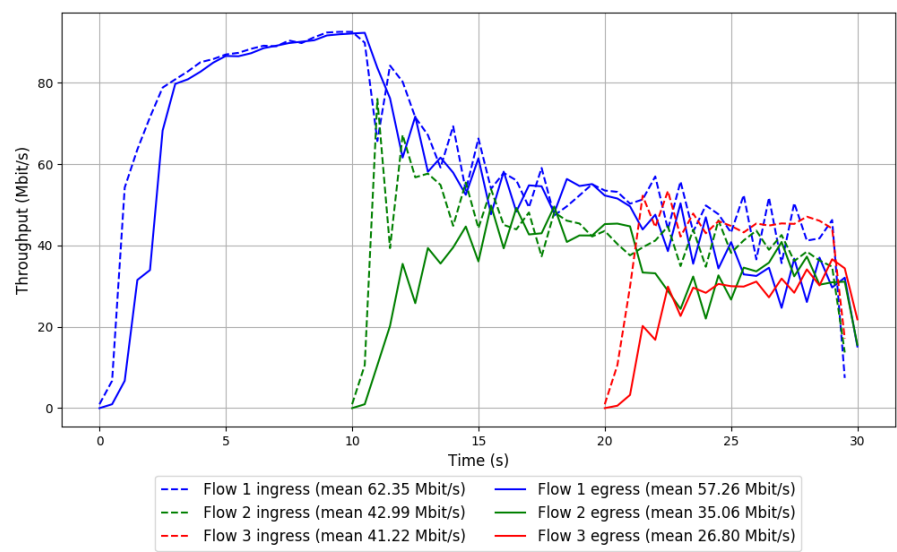


Run 4: Statistics of Indigo

Start at: 2018-05-22 04:21:42
End at: 2018-05-22 04:22:12
Local clock offset: -7.391 ms
Remote clock offset: 11.353 ms

Below is generated by plot.py at 2018-05-22 06:45:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.18 Mbit/s
95th percentile per-packet one-way delay: 116.174 ms
Loss rate: 14.32%
-- Flow 1:
Average throughput: 57.26 Mbit/s
95th percentile per-packet one-way delay: 110.582 ms
Loss rate: 8.07%
-- Flow 2:
Average throughput: 35.06 Mbit/s
95th percentile per-packet one-way delay: 112.052 ms
Loss rate: 18.35%
-- Flow 3:
Average throughput: 26.80 Mbit/s
95th percentile per-packet one-way delay: 118.083 ms
Loss rate: 34.82%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-05-22 04:41:23

End at: 2018-05-22 04:41:53

Local clock offset: -6.968 ms

Remote clock offset: 2.948 ms

Below is generated by plot.py at 2018-05-22 06:46:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.01 Mbit/s

95th percentile per-packet one-way delay: 116.592 ms

Loss rate: 19.35%

-- Flow 1:

Average throughput: 66.03 Mbit/s

95th percentile per-packet one-way delay: 116.678 ms

Loss rate: 6.20%

-- Flow 2:

Average throughput: 27.67 Mbit/s

95th percentile per-packet one-way delay: 111.239 ms

Loss rate: 16.88%

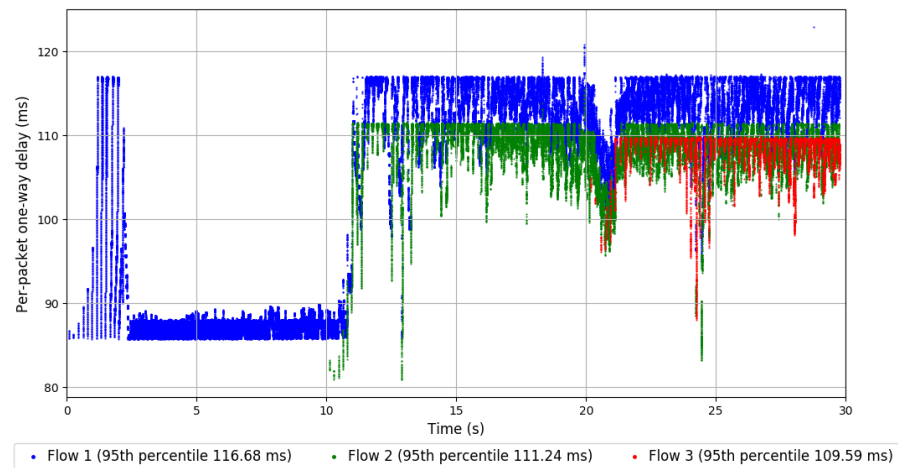
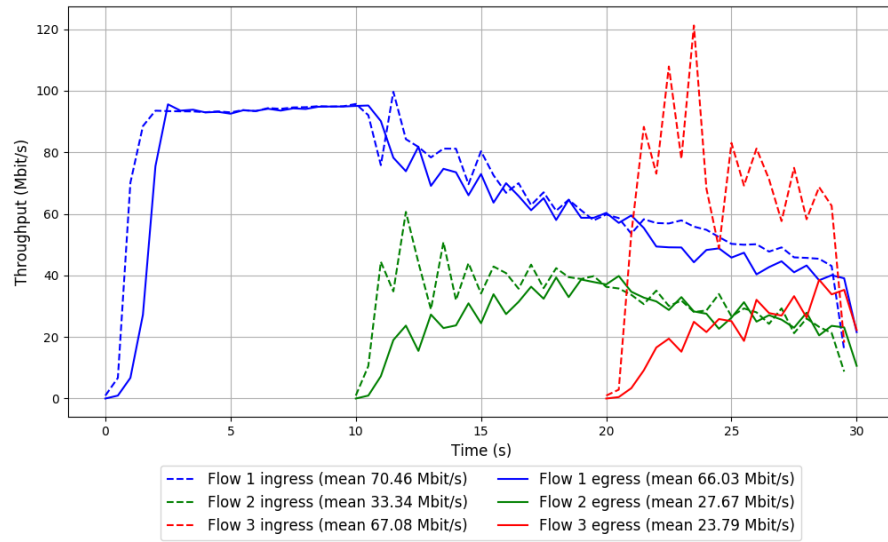
-- Flow 3:

Average throughput: 23.79 Mbit/s

95th percentile per-packet one-way delay: 109.586 ms

Loss rate: 64.52%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-05-22 05:01:04

End at: 2018-05-22 05:01:34

Local clock offset: -4.427 ms

Remote clock offset: 5.948 ms

Below is generated by plot.py at 2018-05-22 06:46:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.26 Mbit/s

95th percentile per-packet one-way delay: 114.302 ms

Loss rate: 21.91%

-- Flow 1:

Average throughput: 67.31 Mbit/s

95th percentile per-packet one-way delay: 114.295 ms

Loss rate: 5.73%

-- Flow 2:

Average throughput: 24.14 Mbit/s

95th percentile per-packet one-way delay: 112.946 ms

Loss rate: 33.13%

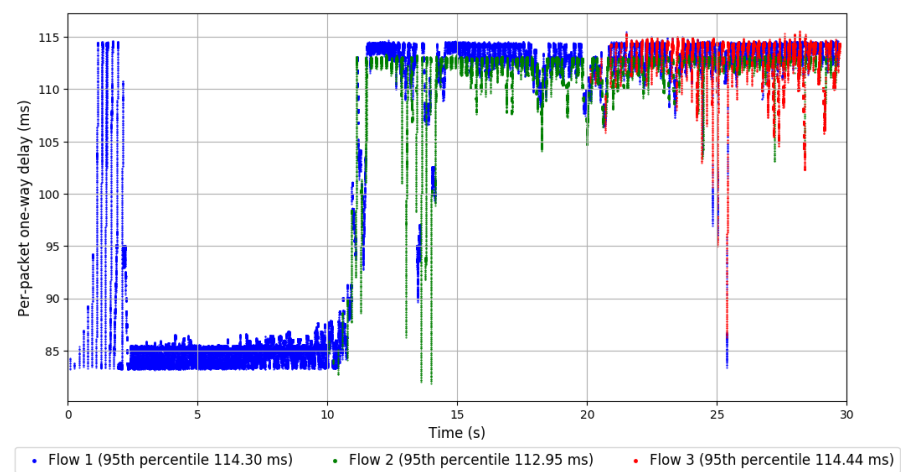
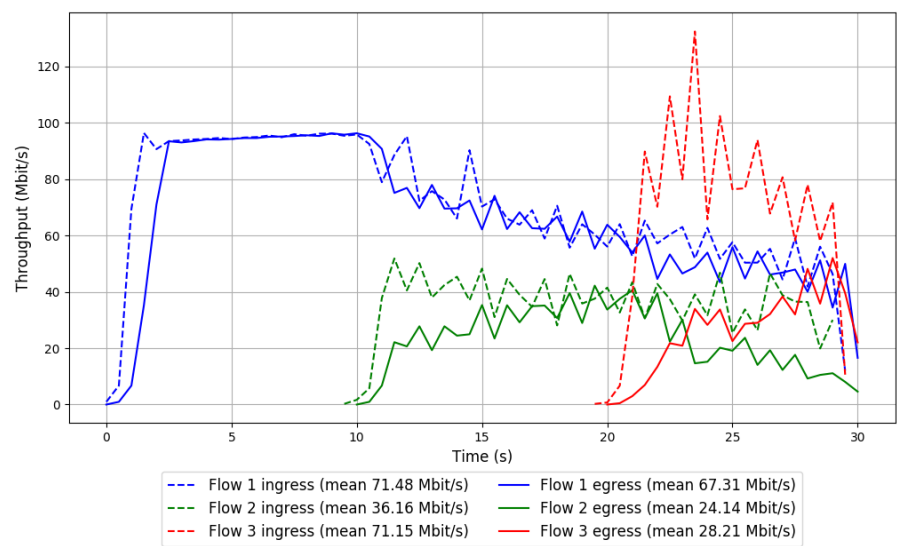
-- Flow 3:

Average throughput: 28.21 Mbit/s

95th percentile per-packet one-way delay: 114.435 ms

Loss rate: 60.34%

Run 6: Report of Indigo — Data Link

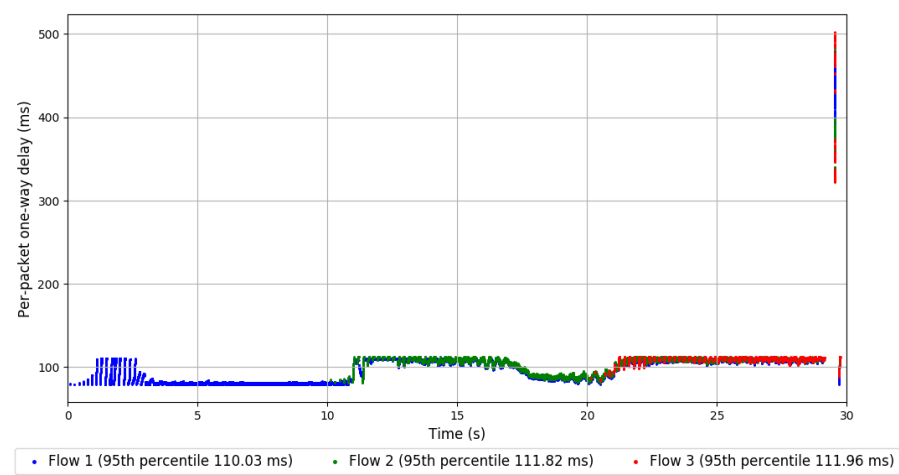
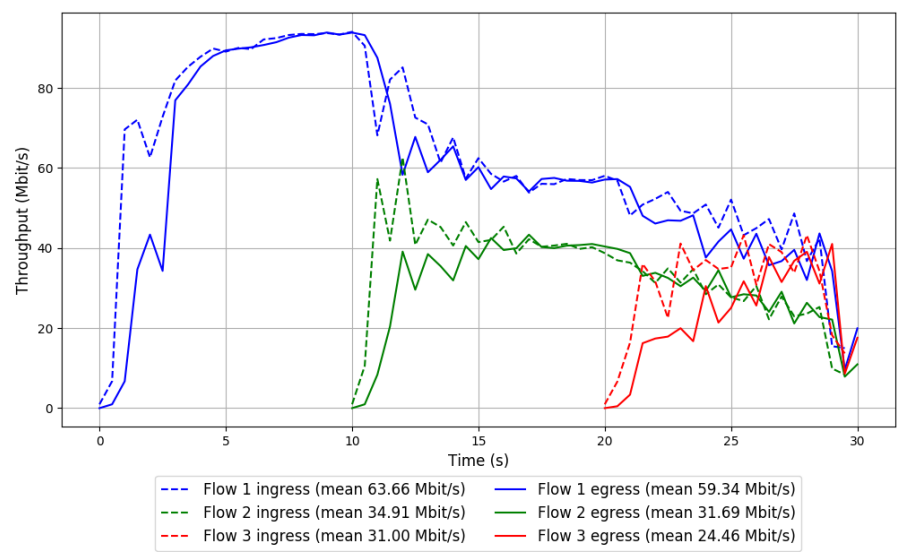


Run 7: Statistics of Indigo

Start at: 2018-05-22 05:20:50
End at: 2018-05-22 05:21:20
Local clock offset: -2.167 ms
Remote clock offset: 3.473 ms

Below is generated by plot.py at 2018-05-22 06:46:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.22 Mbit/s
95th percentile per-packet one-way delay: 111.398 ms
Loss rate: 8.74%
-- Flow 1:
Average throughput: 59.34 Mbit/s
95th percentile per-packet one-way delay: 110.027 ms
Loss rate: 6.69%
-- Flow 2:
Average throughput: 31.69 Mbit/s
95th percentile per-packet one-way delay: 111.817 ms
Loss rate: 9.10%
-- Flow 3:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 111.962 ms
Loss rate: 20.91%

Run 7: Report of Indigo — Data Link

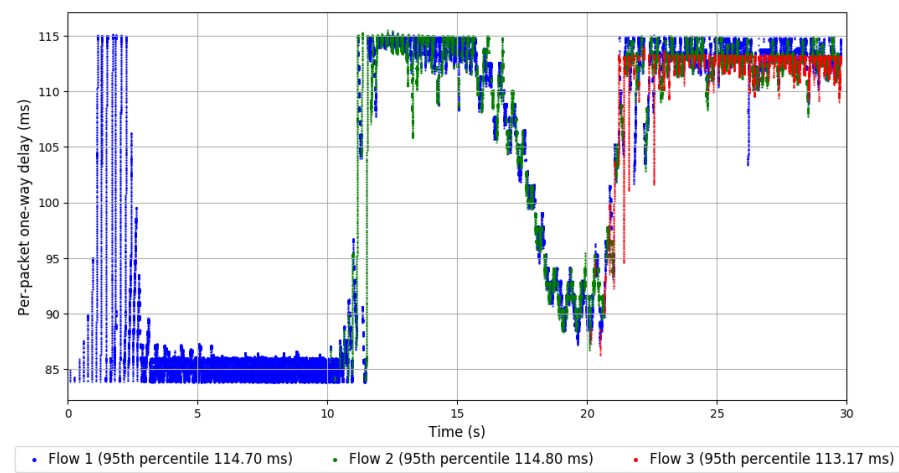
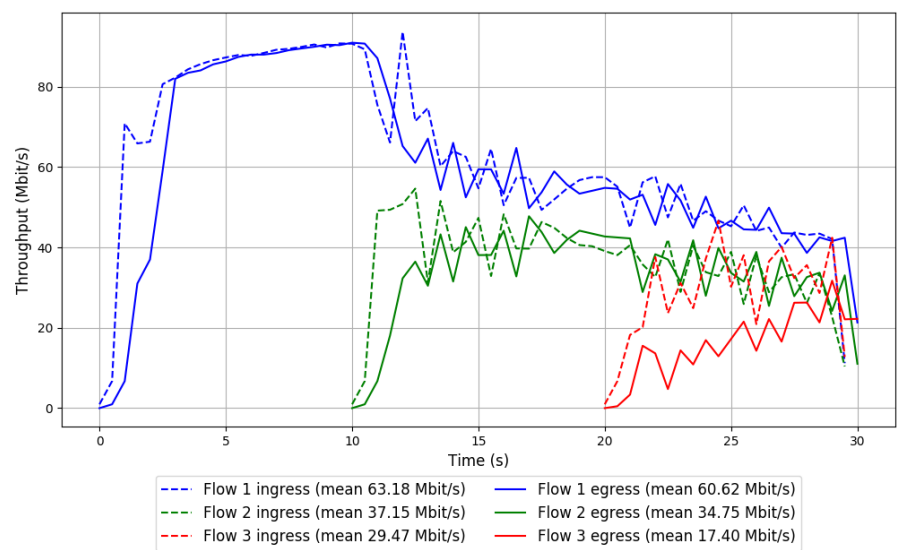


Run 8: Statistics of Indigo

Start at: 2018-05-22 05:40:31
End at: 2018-05-22 05:41:01
Local clock offset: -1.493 ms
Remote clock offset: 11.968 ms

Below is generated by plot.py at 2018-05-22 06:46:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.14 Mbit/s
95th percentile per-packet one-way delay: 114.761 ms
Loss rate: 8.16%
-- Flow 1:
Average throughput: 60.62 Mbit/s
95th percentile per-packet one-way delay: 114.704 ms
Loss rate: 3.96%
-- Flow 2:
Average throughput: 34.75 Mbit/s
95th percentile per-packet one-way delay: 114.797 ms
Loss rate: 6.33%
-- Flow 3:
Average throughput: 17.40 Mbit/s
95th percentile per-packet one-way delay: 113.168 ms
Loss rate: 40.78%

Run 8: Report of Indigo — Data Link

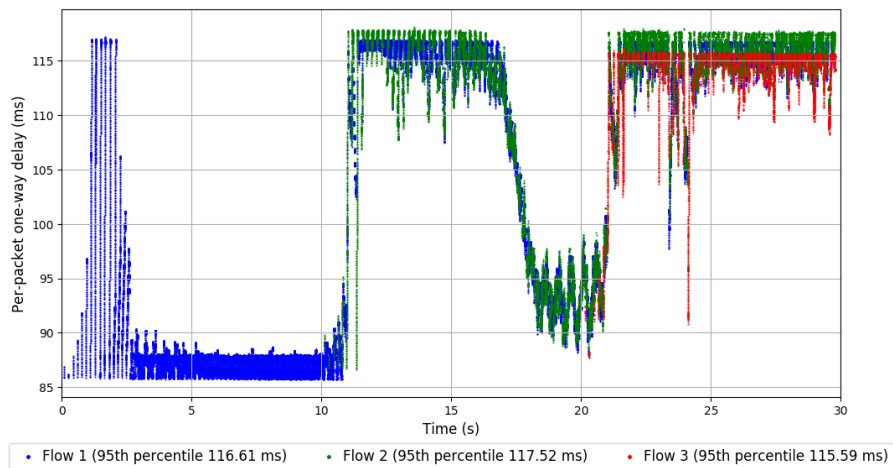
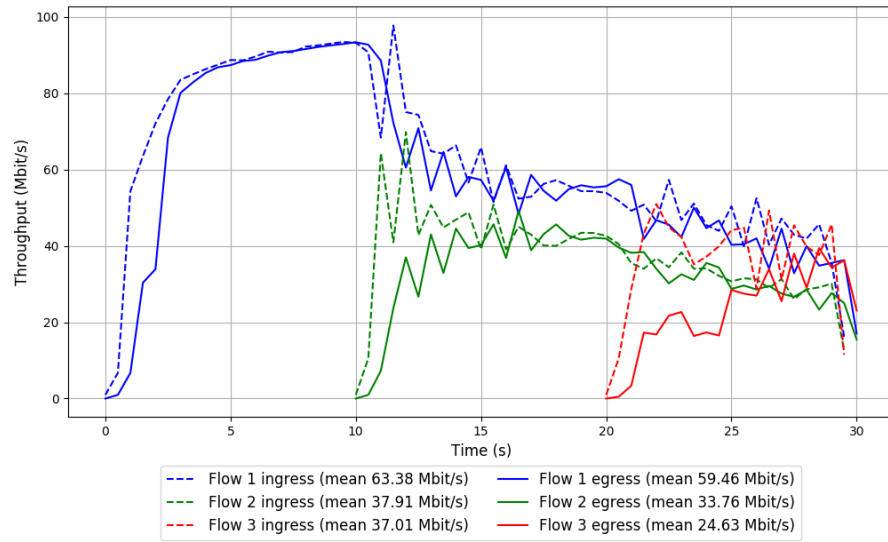


Run 9: Statistics of Indigo

Start at: 2018-05-22 06:00:12
End at: 2018-05-22 06:00:42
Local clock offset: -4.662 ms
Remote clock offset: 15.533 ms

Below is generated by plot.py at 2018-05-22 06:46:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.68 Mbit/s
95th percentile per-packet one-way delay: 116.792 ms
Loss rate: 10.53%
-- Flow 1:
Average throughput: 59.46 Mbit/s
95th percentile per-packet one-way delay: 116.610 ms
Loss rate: 6.08%
-- Flow 2:
Average throughput: 33.76 Mbit/s
95th percentile per-packet one-way delay: 117.519 ms
Loss rate: 10.83%
-- Flow 3:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 115.589 ms
Loss rate: 33.31%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-05-22 06:20:38

End at: 2018-05-22 06:21:08

Local clock offset: -8.056 ms

Remote clock offset: 9.094 ms

Below is generated by plot.py at 2018-05-22 06:46:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.15 Mbit/s

95th percentile per-packet one-way delay: 121.116 ms

Loss rate: 7.13%

-- Flow 1:

Average throughput: 60.50 Mbit/s

95th percentile per-packet one-way delay: 121.721 ms

Loss rate: 3.35%

-- Flow 2:

Average throughput: 28.72 Mbit/s

95th percentile per-packet one-way delay: 114.523 ms

Loss rate: 14.62%

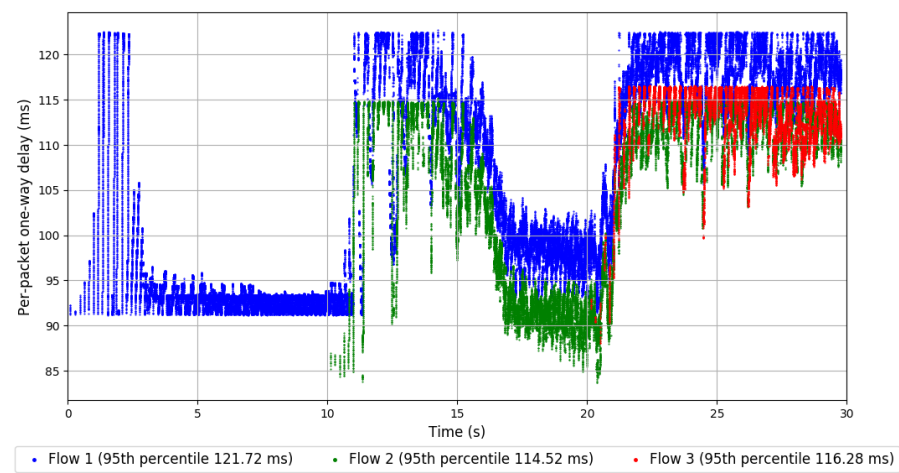
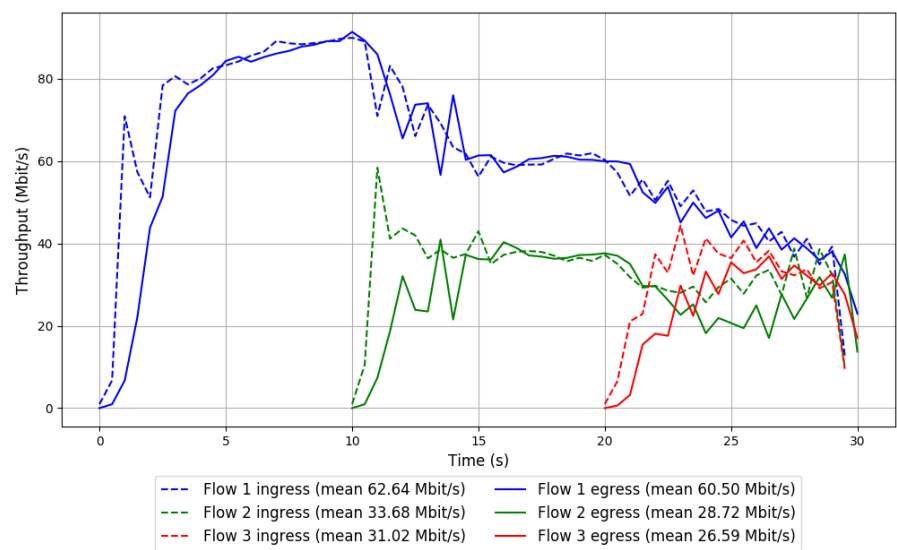
-- Flow 3:

Average throughput: 26.59 Mbit/s

95th percentile per-packet one-way delay: 116.277 ms

Loss rate: 14.10%

Run 10: Report of Indigo — Data Link

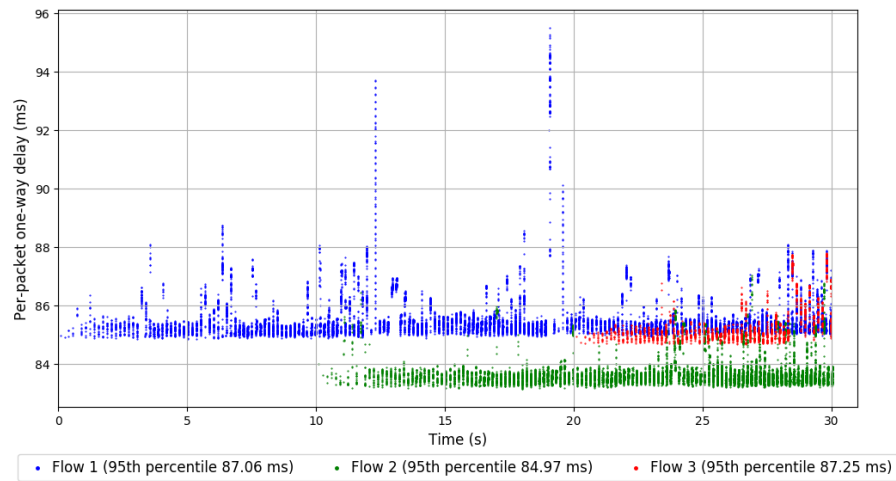
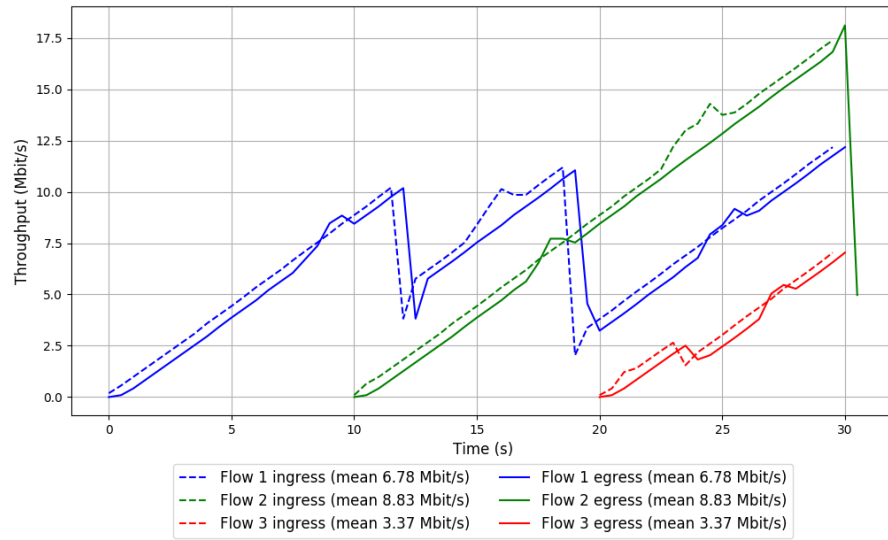


Run 1: Statistics of LEDBAT

Start at: 2018-05-22 03:23:56
End at: 2018-05-22 03:24:26
Local clock offset: -0.935 ms
Remote clock offset: 11.037 ms

Below is generated by plot.py at 2018-05-22 06:46:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.75 Mbit/s
95th percentile per-packet one-way delay: 86.558 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 6.78 Mbit/s
95th percentile per-packet one-way delay: 87.064 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 8.83 Mbit/s
95th percentile per-packet one-way delay: 84.970 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.37 Mbit/s
95th percentile per-packet one-way delay: 87.252 ms
Loss rate: 0.04%

Run 1: Report of LEDBAT — Data Link

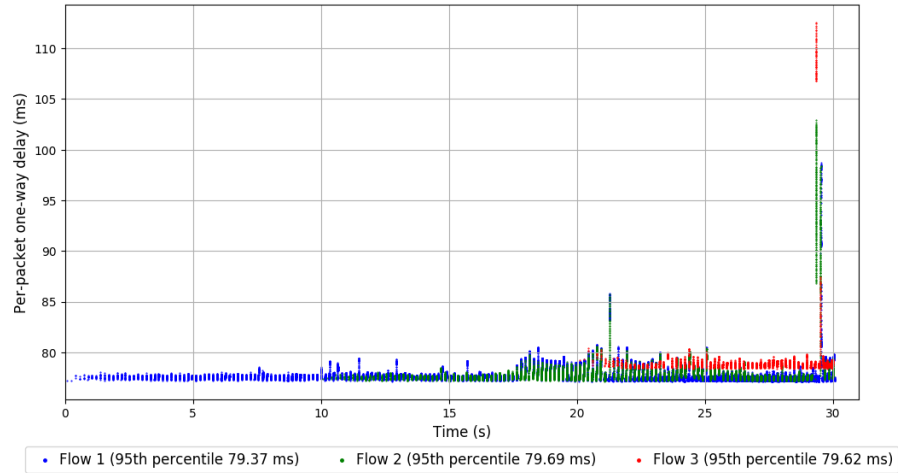
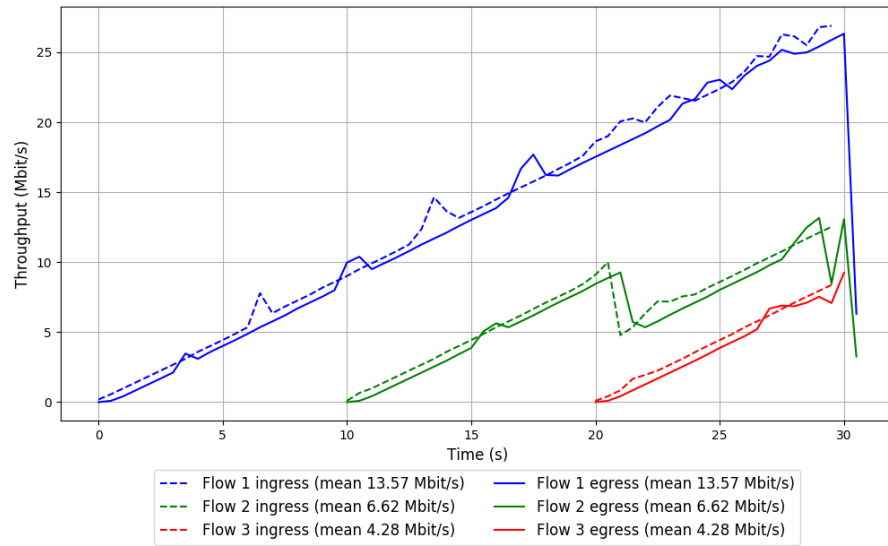


```
Run 2: Statistics of LEDBAT

Start at: 2018-05-22 03:43:38
End at: 2018-05-22 03:44:08
Local clock offset: -5.761 ms
Remote clock offset: 4.014 ms

# Below is generated by plot.py at 2018-05-22 06:46:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.38 Mbit/s
95th percentile per-packet one-way delay: 79.469 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.57 Mbit/s
95th percentile per-packet one-way delay: 79.374 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.62 Mbit/s
95th percentile per-packet one-way delay: 79.686 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 79.617 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-05-22 04:03:16

End at: 2018-05-22 04:03:46

Local clock offset: -6.56 ms

Remote clock offset: 8.929 ms

Below is generated by plot.py at 2018-05-22 06:46:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.07 Mbit/s

95th percentile per-packet one-way delay: 79.117 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 13.14 Mbit/s

95th percentile per-packet one-way delay: 78.868 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 8.34 Mbit/s

95th percentile per-packet one-way delay: 79.321 ms

Loss rate: 0.13%

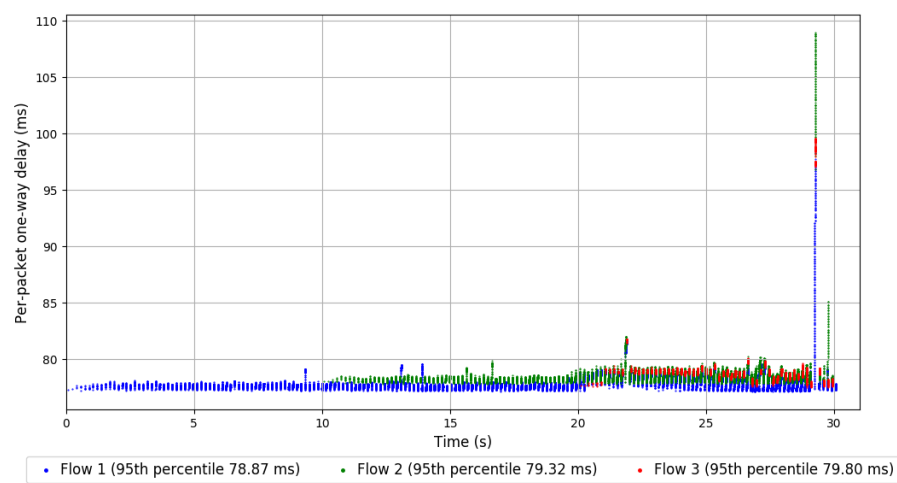
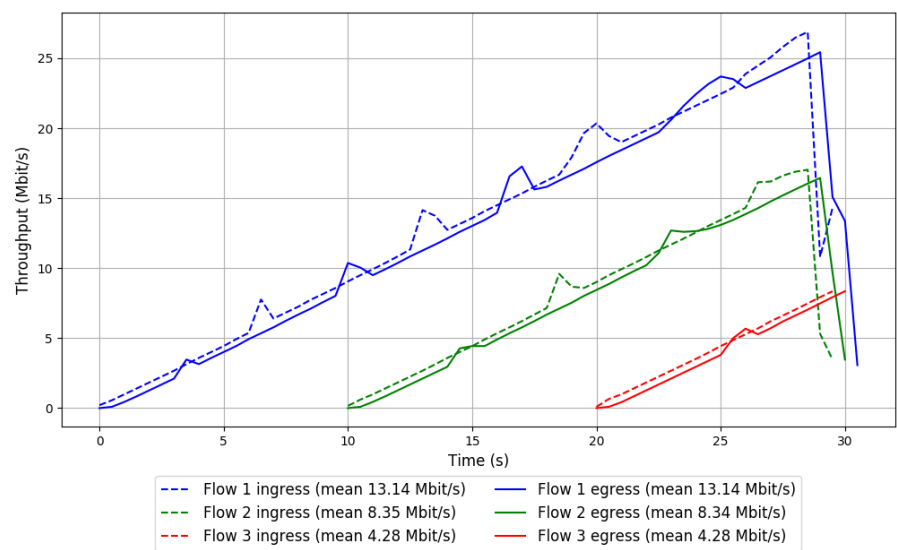
-- Flow 3:

Average throughput: 4.28 Mbit/s

95th percentile per-packet one-way delay: 79.795 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

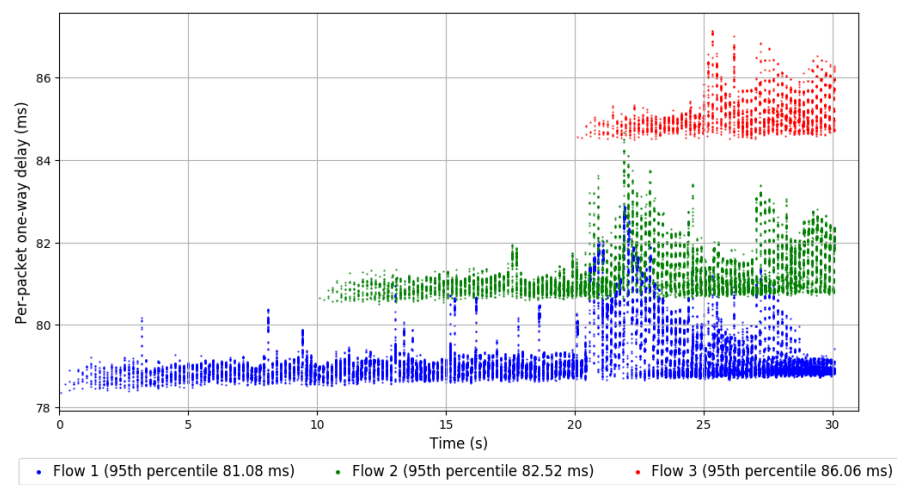
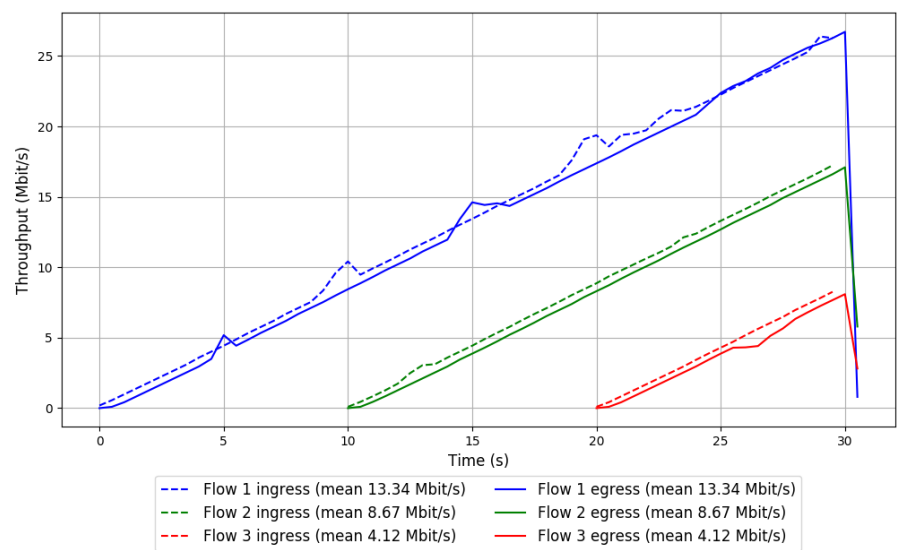


Run 4: Statistics of LEDBAT

Start at: 2018-05-22 04:22:59
End at: 2018-05-22 04:23:29
Local clock offset: -6.648 ms
Remote clock offset: 10.437 ms

Below is generated by plot.py at 2018-05-22 06:46:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 20.48 Mbit/s
95th percentile per-packet one-way delay: 84.859 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.34 Mbit/s
95th percentile per-packet one-way delay: 81.075 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.67 Mbit/s
95th percentile per-packet one-way delay: 82.517 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.12 Mbit/s
95th percentile per-packet one-way delay: 86.059 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-05-22 04:42:40

End at: 2018-05-22 04:43:10

Local clock offset: -6.962 ms

Remote clock offset: 2.701 ms

Below is generated by plot.py at 2018-05-22 06:46:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.31 Mbit/s

95th percentile per-packet one-way delay: 82.124 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 9.14 Mbit/s

95th percentile per-packet one-way delay: 82.360 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 8.65 Mbit/s

95th percentile per-packet one-way delay: 81.640 ms

Loss rate: 0.01%

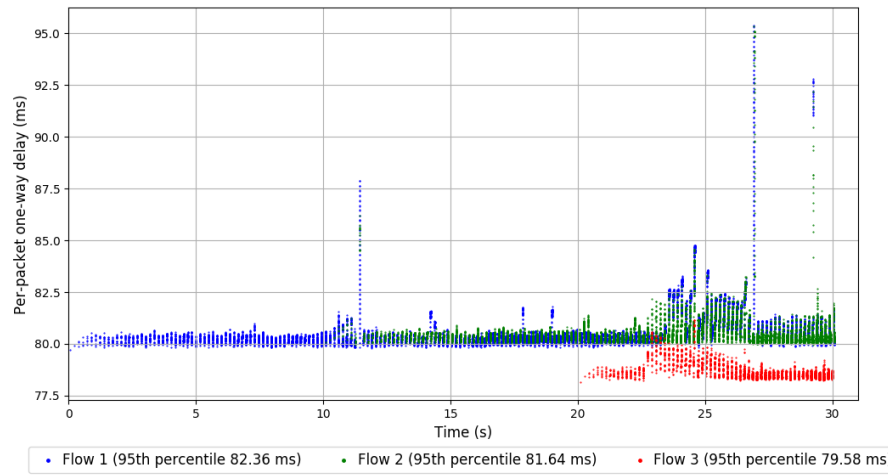
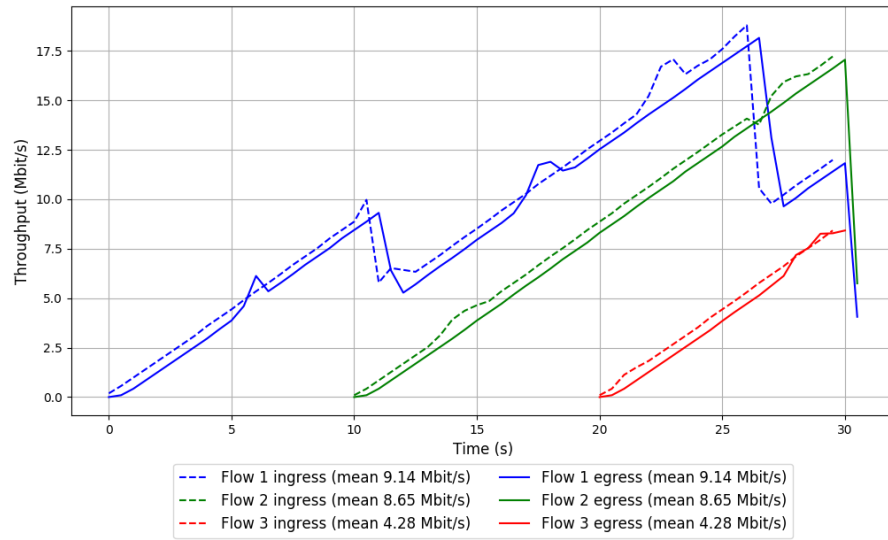
-- Flow 3:

Average throughput: 4.28 Mbit/s

95th percentile per-packet one-way delay: 79.580 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-05-22 05:02:21

End at: 2018-05-22 05:02:51

Local clock offset: -4.831 ms

Remote clock offset: 3.088 ms

Below is generated by plot.py at 2018-05-22 06:46:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.62 Mbit/s

95th percentile per-packet one-way delay: 88.502 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 12.33 Mbit/s

95th percentile per-packet one-way delay: 89.001 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 8.76 Mbit/s

95th percentile per-packet one-way delay: 82.285 ms

Loss rate: 0.00%

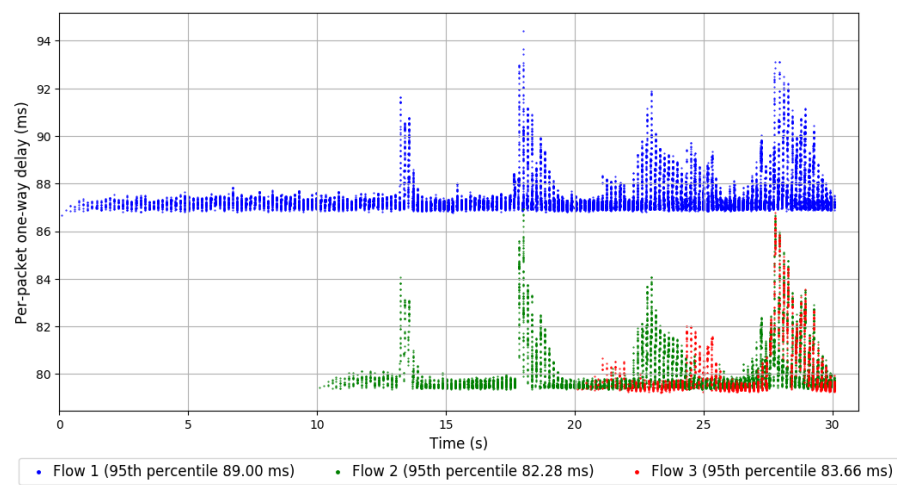
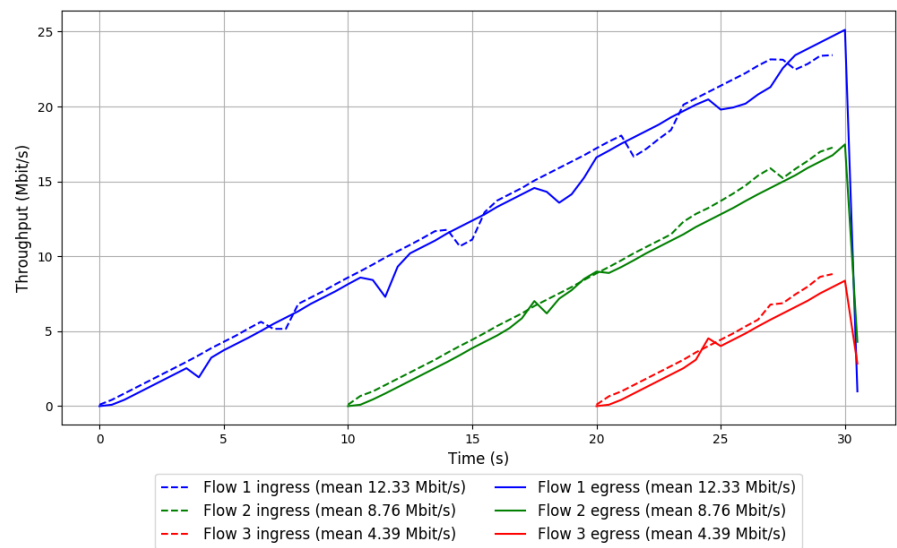
-- Flow 3:

Average throughput: 4.39 Mbit/s

95th percentile per-packet one-way delay: 83.660 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

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

End at: 2018-05-22 05:22:37

Local clock offset: -1.311 ms

Remote clock offset: 2.53 ms

Below is generated by plot.py at 2018-05-22 06:46:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.72 Mbit/s

95th percentile per-packet one-way delay: 80.454 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 13.35 Mbit/s

95th percentile per-packet one-way delay: 80.753 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.97 Mbit/s

95th percentile per-packet one-way delay: 79.590 ms

Loss rate: 0.00%

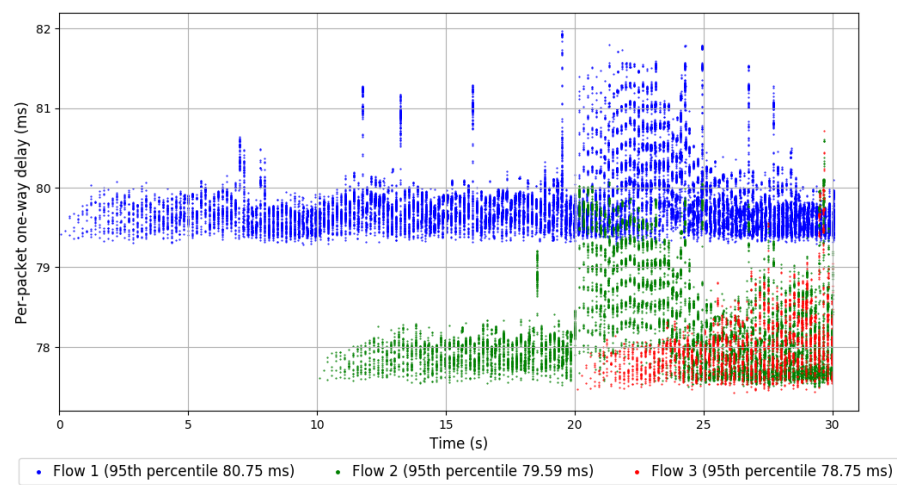
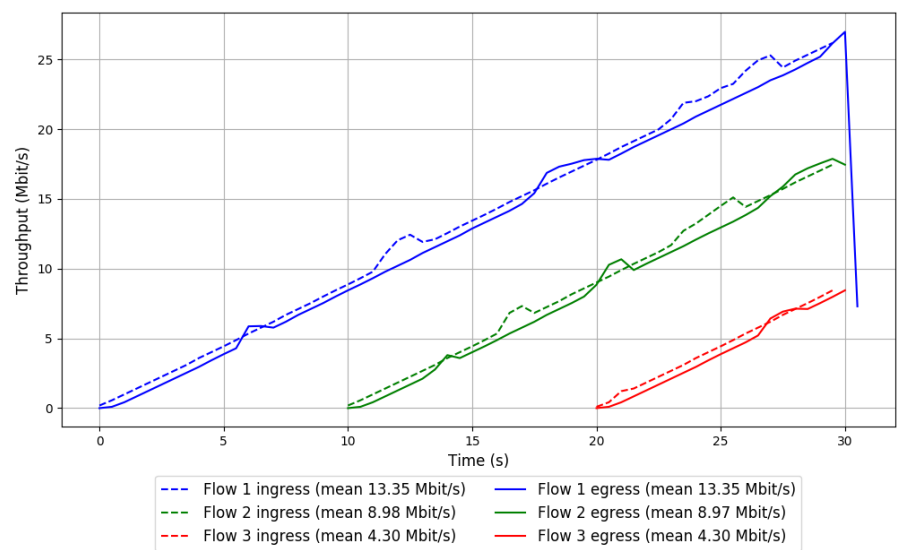
-- Flow 3:

Average throughput: 4.30 Mbit/s

95th percentile per-packet one-way delay: 78.751 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

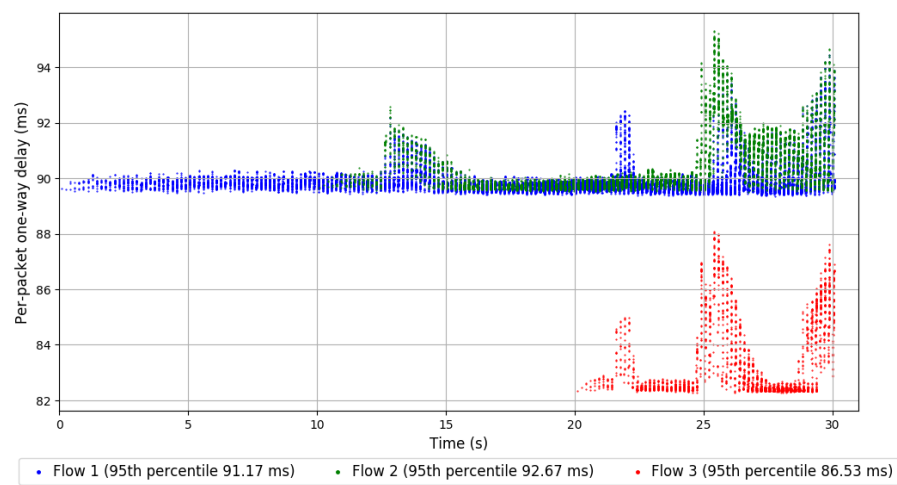
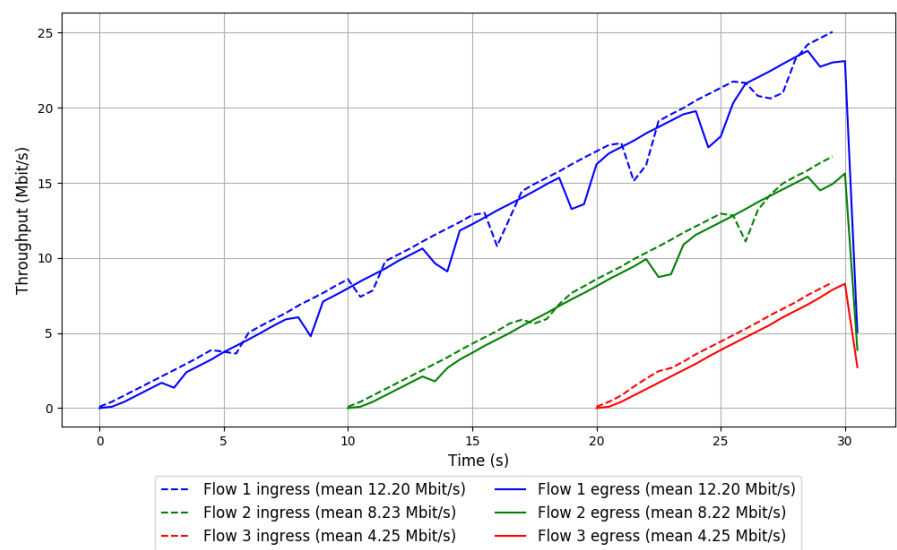


Run 8: Statistics of LEDBAT

Start at: 2018-05-22 05:41:47
End at: 2018-05-22 05:42:17
Local clock offset: -2.334 ms
Remote clock offset: 11.398 ms

Below is generated by plot.py at 2018-05-22 06:46:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.08 Mbit/s
95th percentile per-packet one-way delay: 91.818 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.20 Mbit/s
95th percentile per-packet one-way delay: 91.167 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.22 Mbit/s
95th percentile per-packet one-way delay: 92.672 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 86.526 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

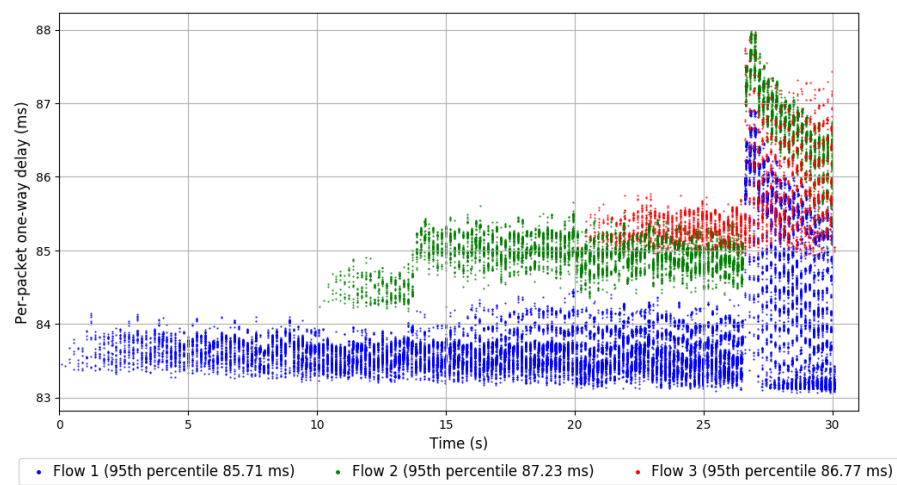
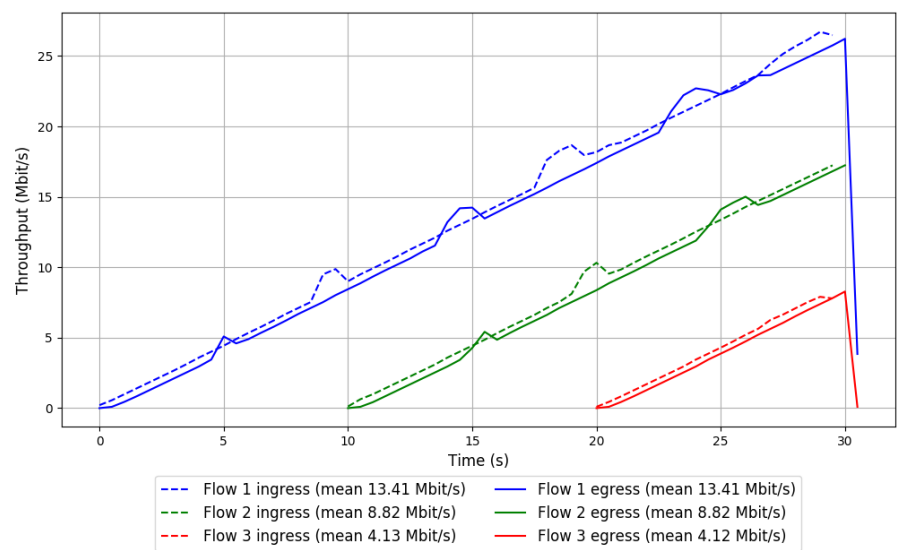


Run 9: Statistics of LEDBAT

Start at: 2018-05-22 06:01:28
End at: 2018-05-22 06:01:58
Local clock offset: -5.315 ms
Remote clock offset: 14.866 ms

Below is generated by plot.py at 2018-05-22 06:46:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 20.63 Mbit/s
95th percentile per-packet one-way delay: 86.686 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 13.41 Mbit/s
95th percentile per-packet one-way delay: 85.709 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.82 Mbit/s
95th percentile per-packet one-way delay: 87.234 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.12 Mbit/s
95th percentile per-packet one-way delay: 86.766 ms
Loss rate: 0.11%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-05-22 06:21:55

End at: 2018-05-22 06:22:25

Local clock offset: -8.135 ms

Remote clock offset: 3.421 ms

Below is generated by plot.py at 2018-05-22 06:46:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 14.26 Mbit/s

95th percentile per-packet one-way delay: 85.236 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 6.97 Mbit/s

95th percentile per-packet one-way delay: 85.906 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 8.96 Mbit/s

95th percentile per-packet one-way delay: 81.122 ms

Loss rate: 0.00%

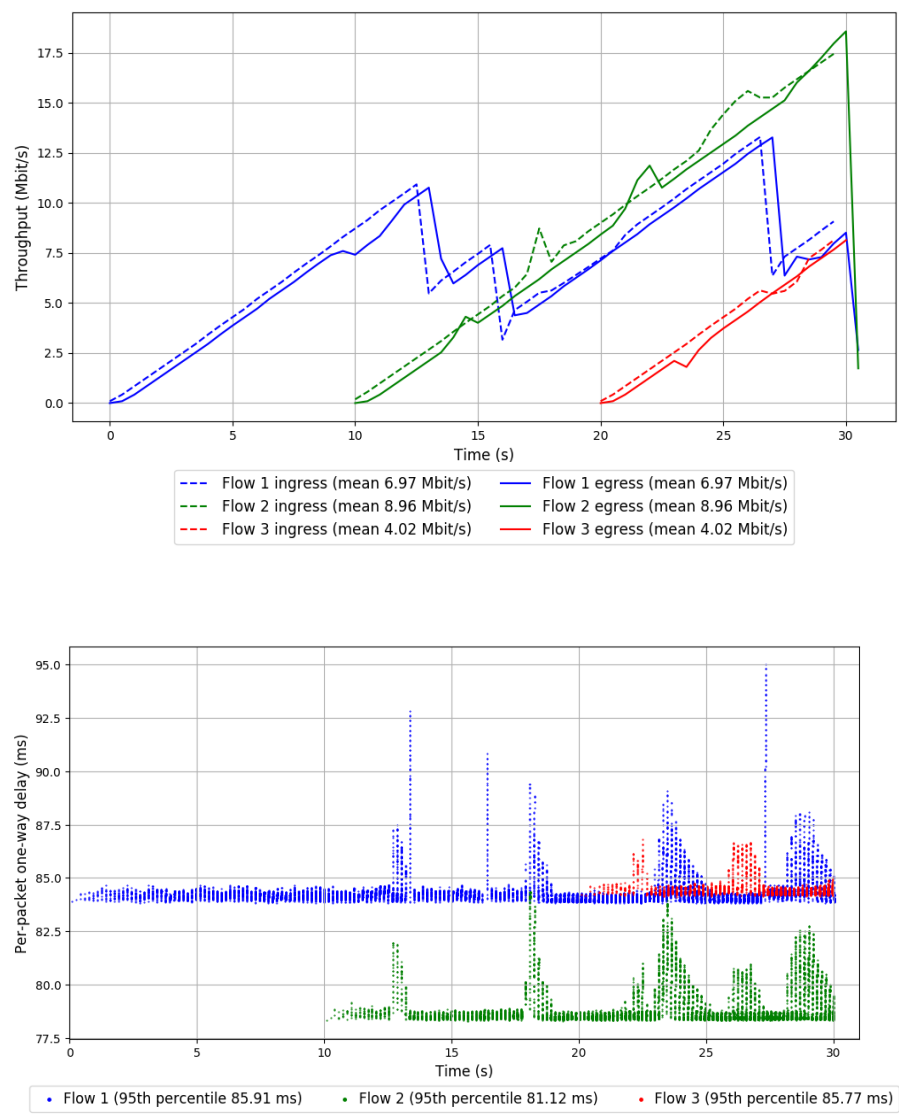
-- Flow 3:

Average throughput: 4.02 Mbit/s

95th percentile per-packet one-way delay: 85.768 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

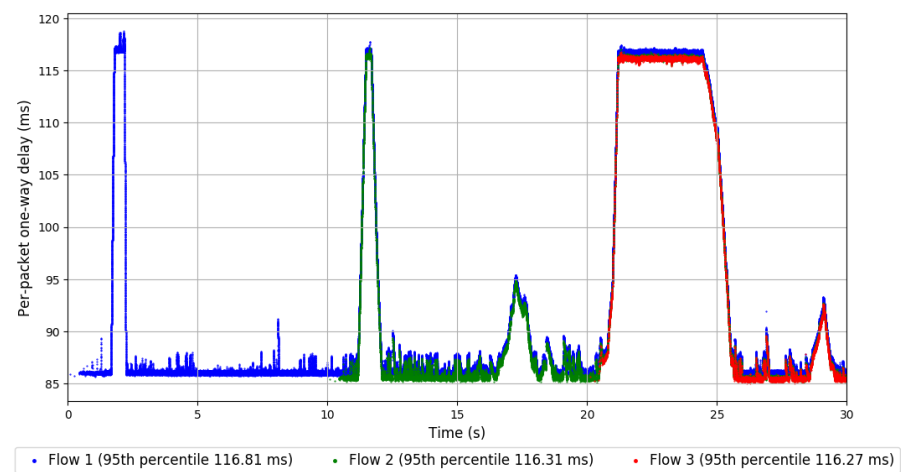
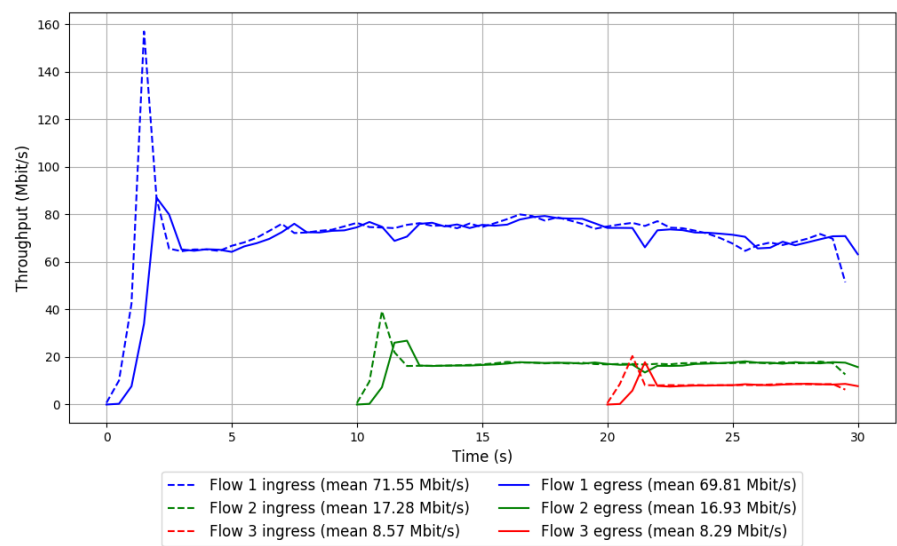


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-05-22 03:36:08
End at: 2018-05-22 03:36:38
Local clock offset: -5.88 ms
Remote clock offset: 9.206 ms

# Below is generated by plot.py at 2018-05-22 06:47:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.81 Mbit/s
95th percentile per-packet one-way delay: 116.777 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 69.81 Mbit/s
95th percentile per-packet one-way delay: 116.806 ms
Loss rate: 2.43%
-- Flow 2:
Average throughput: 16.93 Mbit/s
95th percentile per-packet one-way delay: 116.315 ms
Loss rate: 2.02%
-- Flow 3:
Average throughput: 8.29 Mbit/s
95th percentile per-packet one-way delay: 116.270 ms
Loss rate: 3.27%
```

Run 1: Report of PCC-Allegro — Data Link

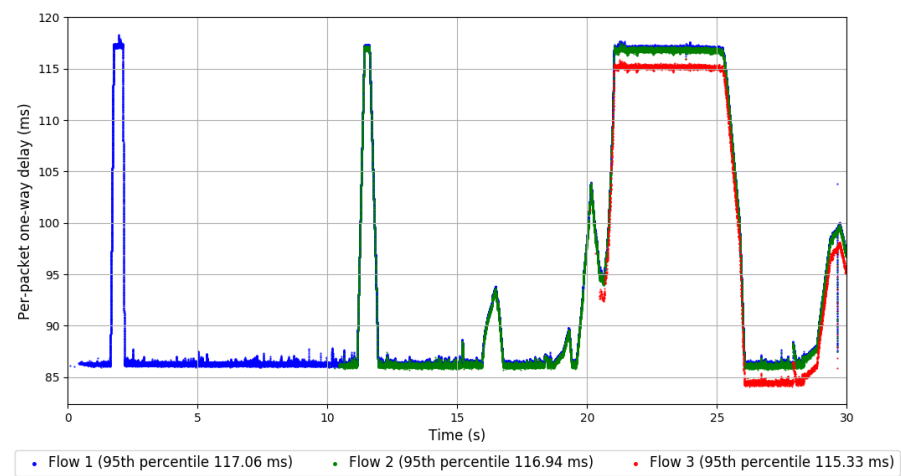
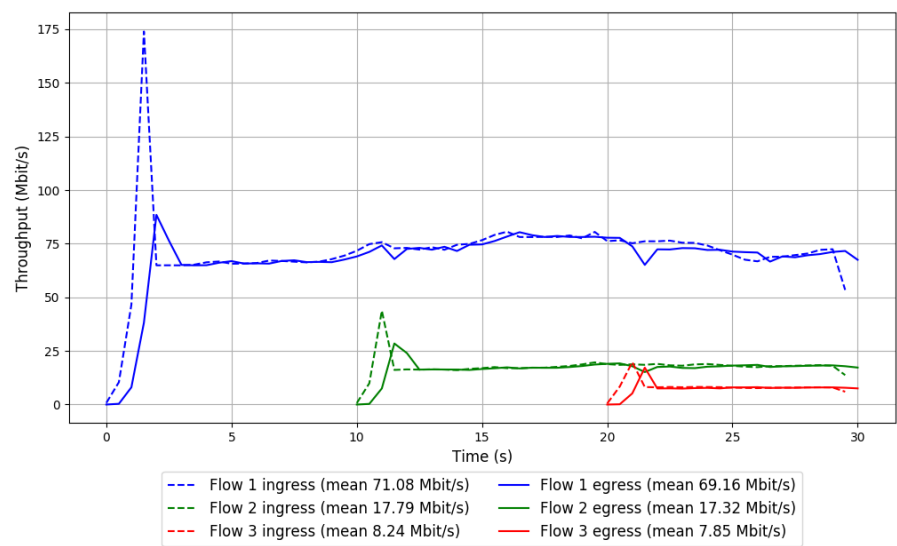


Run 2: Statistics of PCC-Allegro

Start at: 2018-05-22 03:55:48
End at: 2018-05-22 03:56:18
Local clock offset: -8.436 ms
Remote clock offset: 12.951 ms

Below is generated by plot.py at 2018-05-22 06:47:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.26 Mbit/s
95th percentile per-packet one-way delay: 117.042 ms
Loss rate: 2.72%
-- Flow 1:
Average throughput: 69.16 Mbit/s
95th percentile per-packet one-way delay: 117.061 ms
Loss rate: 2.67%
-- Flow 2:
Average throughput: 17.32 Mbit/s
95th percentile per-packet one-way delay: 116.943 ms
Loss rate: 2.56%
-- Flow 3:
Average throughput: 7.85 Mbit/s
95th percentile per-packet one-way delay: 115.335 ms
Loss rate: 4.81%

Run 2: Report of PCC-Allegro — Data Link

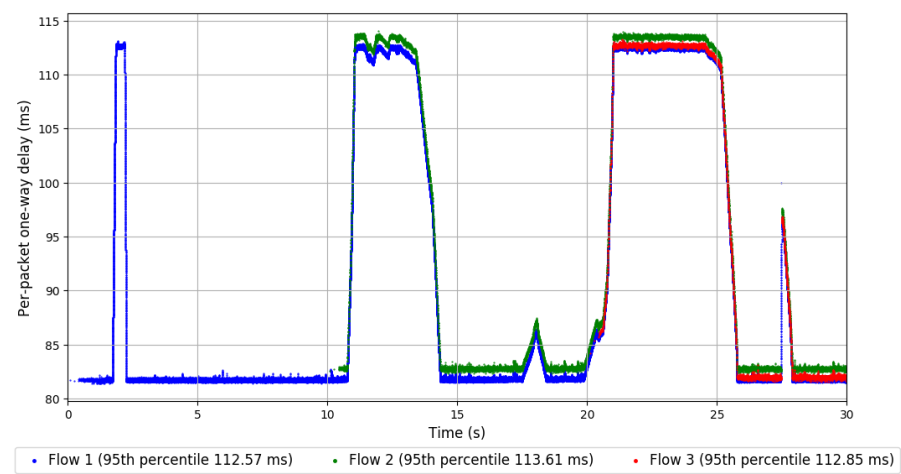
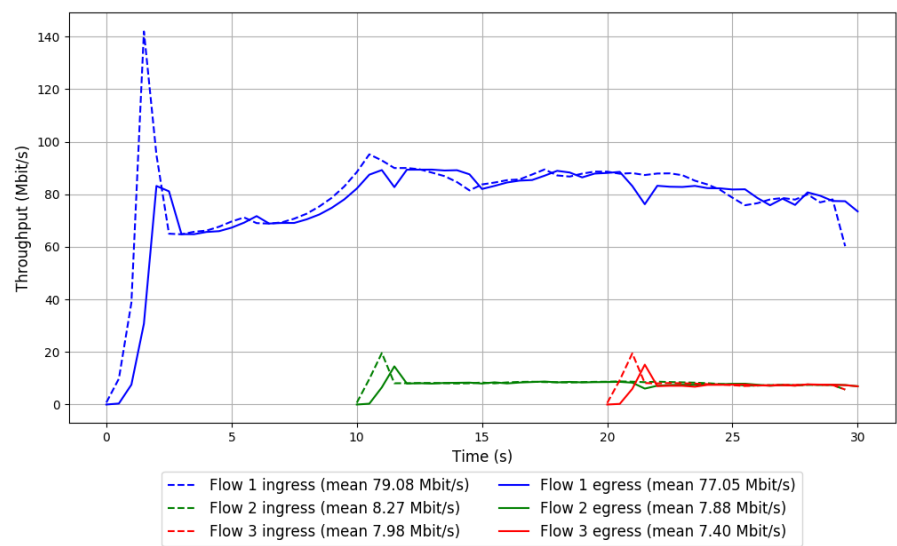


Run 3: Statistics of PCC-Allegro

Start at: 2018-05-22 04:15:29
End at: 2018-05-22 04:15:59
Local clock offset: -6.489 ms
Remote clock offset: 14.224 ms

Below is generated by plot.py at 2018-05-22 06:47:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.73 Mbit/s
95th percentile per-packet one-way delay: 112.623 ms
Loss rate: 2.85%
-- Flow 1:
Average throughput: 77.05 Mbit/s
95th percentile per-packet one-way delay: 112.569 ms
Loss rate: 2.56%
-- Flow 2:
Average throughput: 7.88 Mbit/s
95th percentile per-packet one-way delay: 113.610 ms
Loss rate: 4.75%
-- Flow 3:
Average throughput: 7.40 Mbit/s
95th percentile per-packet one-way delay: 112.853 ms
Loss rate: 7.31%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-05-22 04:35:11

End at: 2018-05-22 04:35:41

Local clock offset: -7.823 ms

Remote clock offset: 4.801 ms

Below is generated by plot.py at 2018-05-22 06:48:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.15 Mbit/s

95th percentile per-packet one-way delay: 112.587 ms

Loss rate: 2.46%

-- Flow 1:

Average throughput: 78.76 Mbit/s

95th percentile per-packet one-way delay: 112.558 ms

Loss rate: 2.35%

-- Flow 2:

Average throughput: 8.46 Mbit/s

95th percentile per-packet one-way delay: 118.470 ms

Loss rate: 3.25%

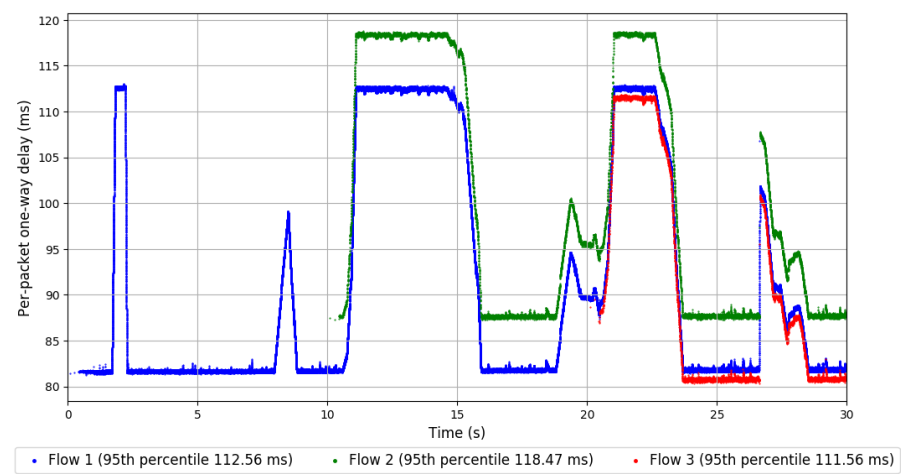
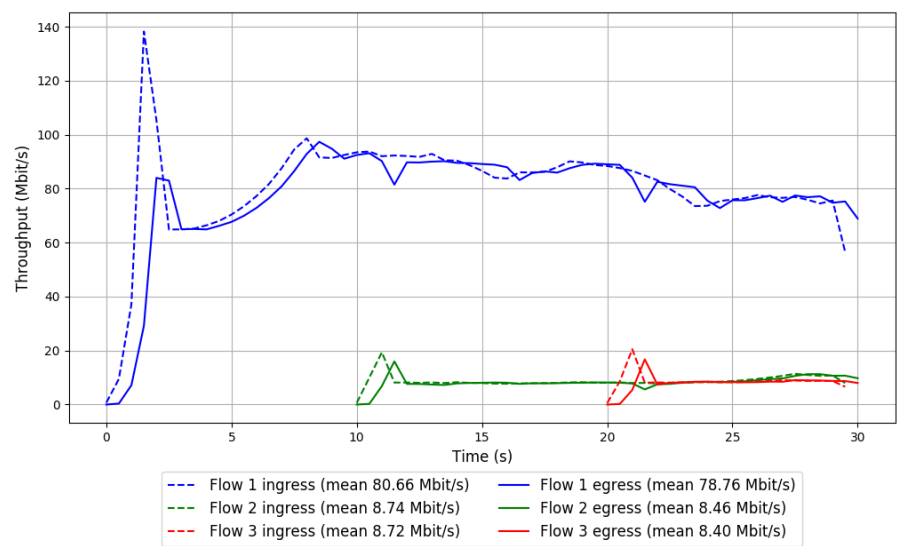
-- Flow 3:

Average throughput: 8.40 Mbit/s

95th percentile per-packet one-way delay: 111.561 ms

Loss rate: 3.72%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-05-22 04:54:52

End at: 2018-05-22 04:55:22

Local clock offset: -7.12 ms

Remote clock offset: 5.452 ms

Below is generated by plot.py at 2018-05-22 06:48:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.62 Mbit/s

95th percentile per-packet one-way delay: 113.119 ms

Loss rate: 2.60%

-- Flow 1:

Average throughput: 78.79 Mbit/s

95th percentile per-packet one-way delay: 113.065 ms

Loss rate: 2.42%

-- Flow 2:

Average throughput: 8.00 Mbit/s

95th percentile per-packet one-way delay: 115.081 ms

Loss rate: 3.79%

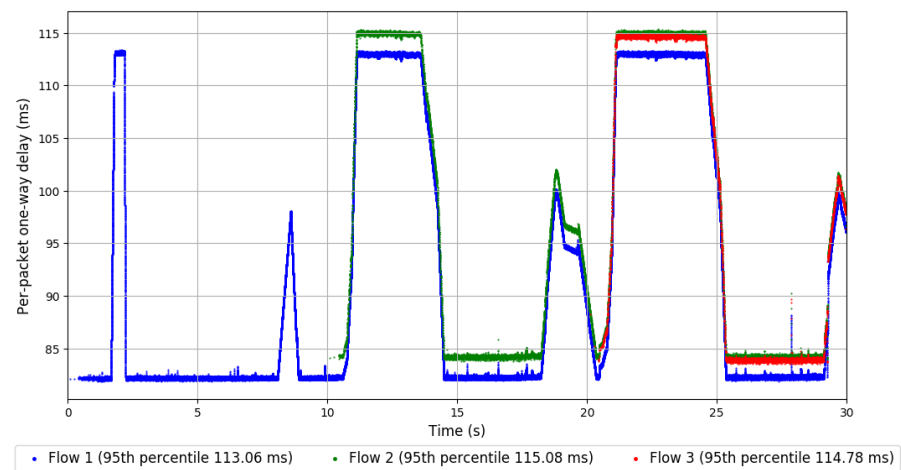
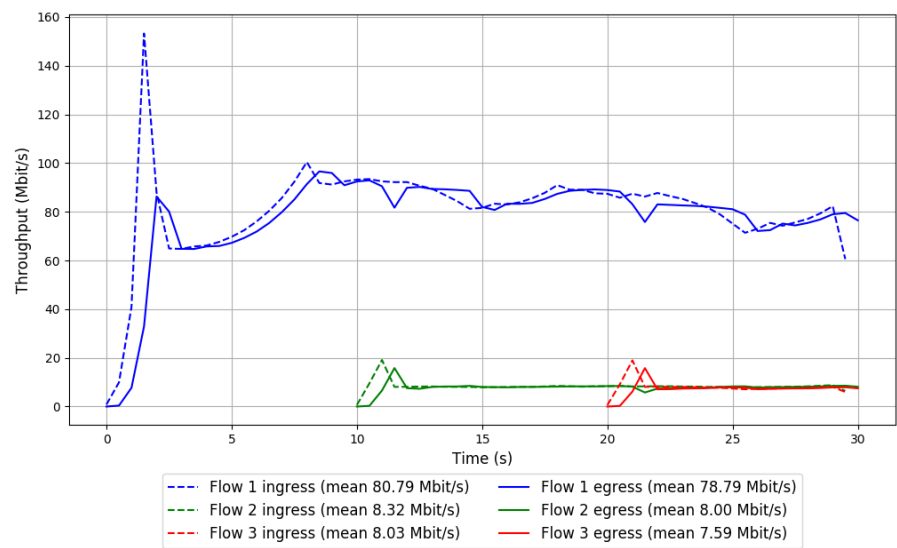
-- Flow 3:

Average throughput: 7.59 Mbit/s

95th percentile per-packet one-way delay: 114.781 ms

Loss rate: 5.33%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-05-22 05:14:33

End at: 2018-05-22 05:15:04

Local clock offset: -1.91 ms

Remote clock offset: 7.182 ms

Below is generated by plot.py at 2018-05-22 06:48:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.83 Mbit/s

95th percentile per-packet one-way delay: 120.674 ms

Loss rate: 2.79%

-- Flow 1:

Average throughput: 78.33 Mbit/s

95th percentile per-packet one-way delay: 120.683 ms

Loss rate: 2.60%

-- Flow 2:

Average throughput: 8.60 Mbit/s

95th percentile per-packet one-way delay: 115.920 ms

Loss rate: 3.56%

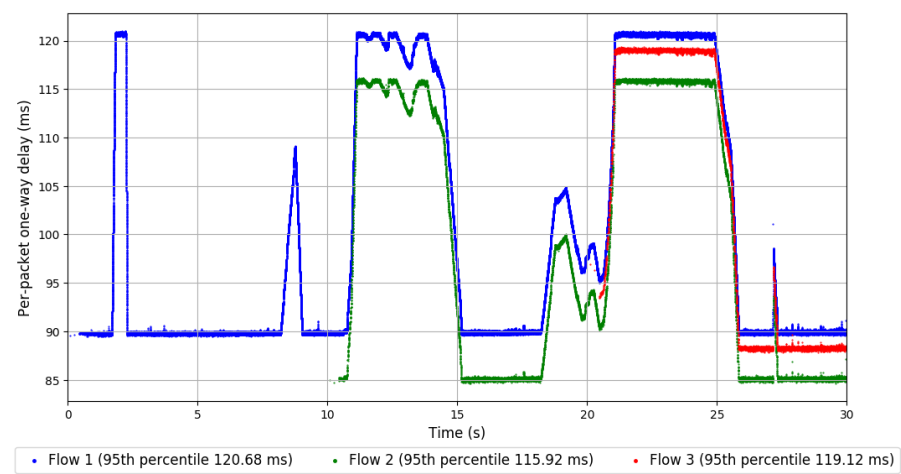
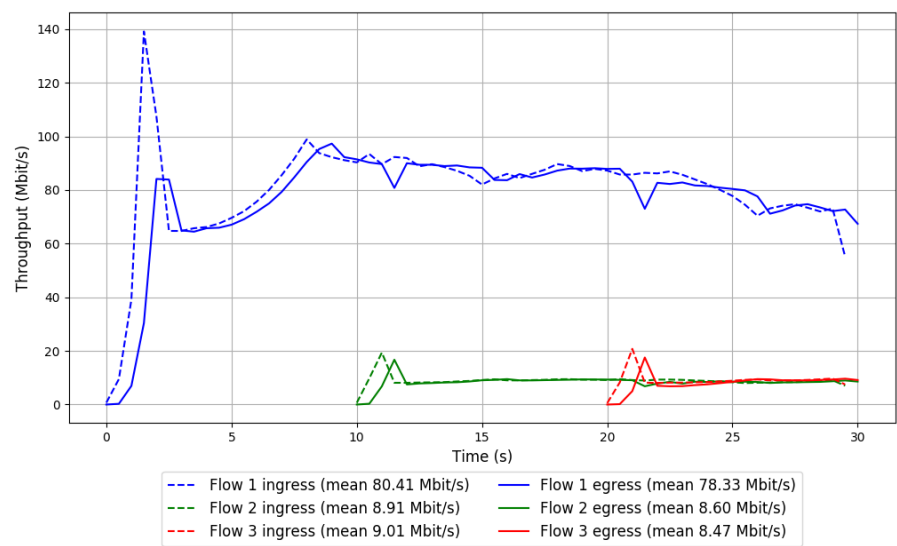
-- Flow 3:

Average throughput: 8.47 Mbit/s

95th percentile per-packet one-way delay: 119.122 ms

Loss rate: 6.14%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-05-22 05:34:19

End at: 2018-05-22 05:34:49

Local clock offset: -2.231 ms

Remote clock offset: 9.727 ms

Below is generated by plot.py at 2018-05-22 06:48:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.13 Mbit/s

95th percentile per-packet one-way delay: 119.550 ms

Loss rate: 3.04%

-- Flow 1:

Average throughput: 79.34 Mbit/s

95th percentile per-packet one-way delay: 119.560 ms

Loss rate: 2.77%

-- Flow 2:

Average throughput: 7.81 Mbit/s

95th percentile per-packet one-way delay: 115.560 ms

Loss rate: 4.88%

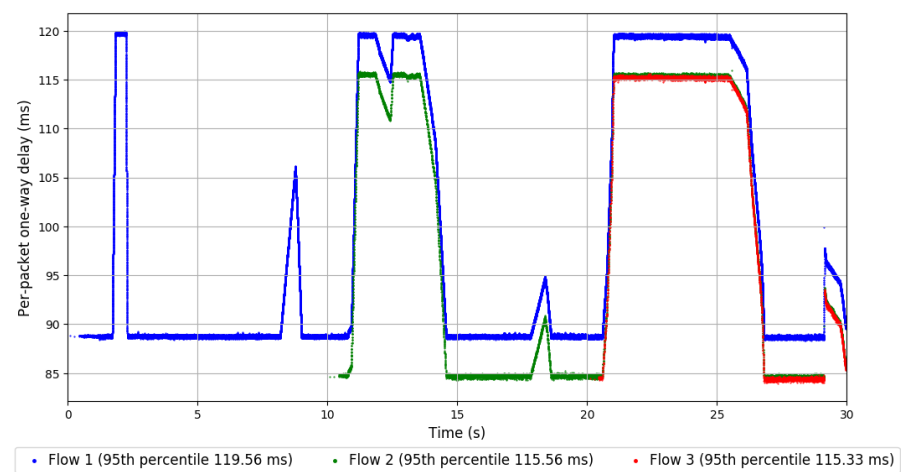
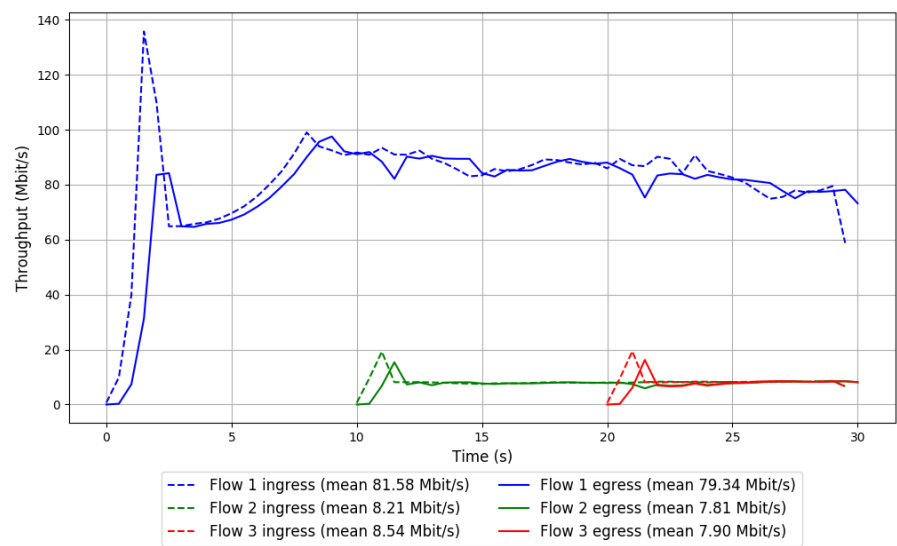
-- Flow 3:

Average throughput: 7.90 Mbit/s

95th percentile per-packet one-way delay: 115.334 ms

Loss rate: 7.50%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-22 05:53:59

End at: 2018-05-22 05:54:29

Local clock offset: -2.068 ms

Remote clock offset: 9.445 ms

Below is generated by plot.py at 2018-05-22 06:48:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.20 Mbit/s

95th percentile per-packet one-way delay: 110.833 ms

Loss rate: 4.63%

-- Flow 1:

Average throughput: 75.82 Mbit/s

95th percentile per-packet one-way delay: 110.754 ms

Loss rate: 3.96%

-- Flow 2:

Average throughput: 13.16 Mbit/s

95th percentile per-packet one-way delay: 111.345 ms

Loss rate: 10.65%

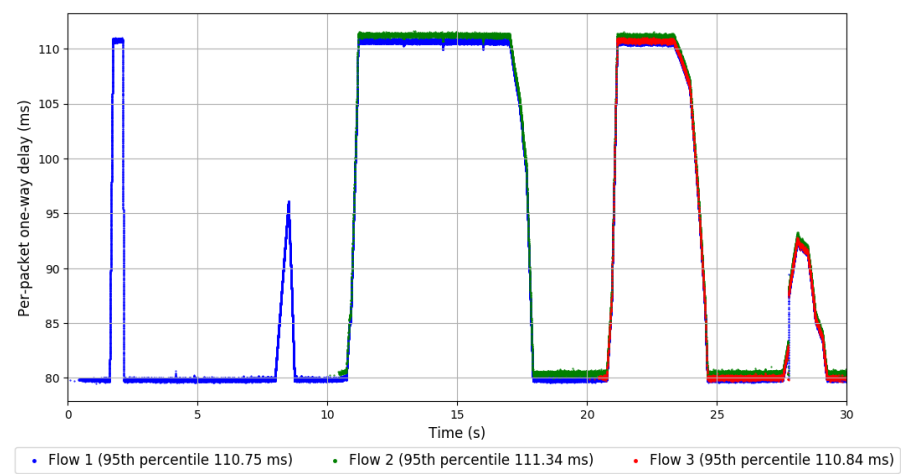
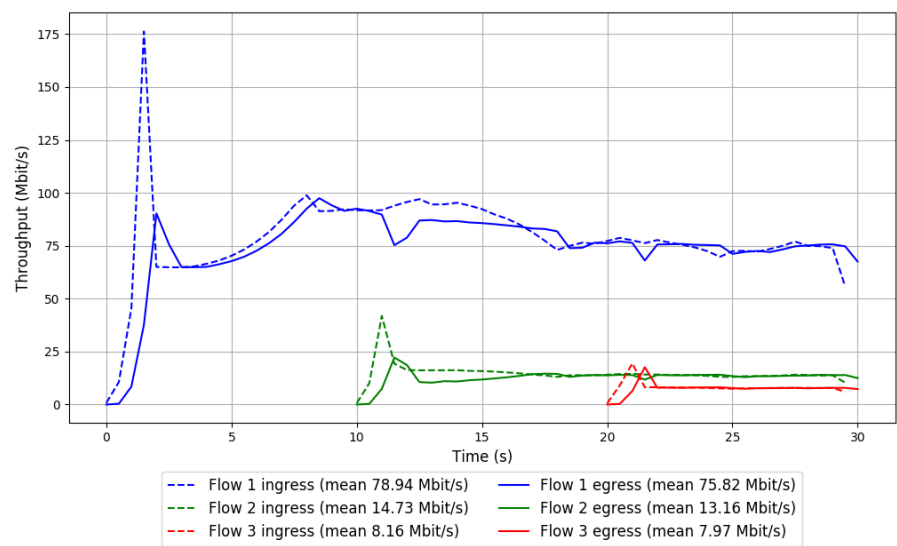
-- Flow 3:

Average throughput: 7.97 Mbit/s

95th percentile per-packet one-way delay: 110.837 ms

Loss rate: 2.26%

Run 8: Report of PCC-Allegro — Data Link

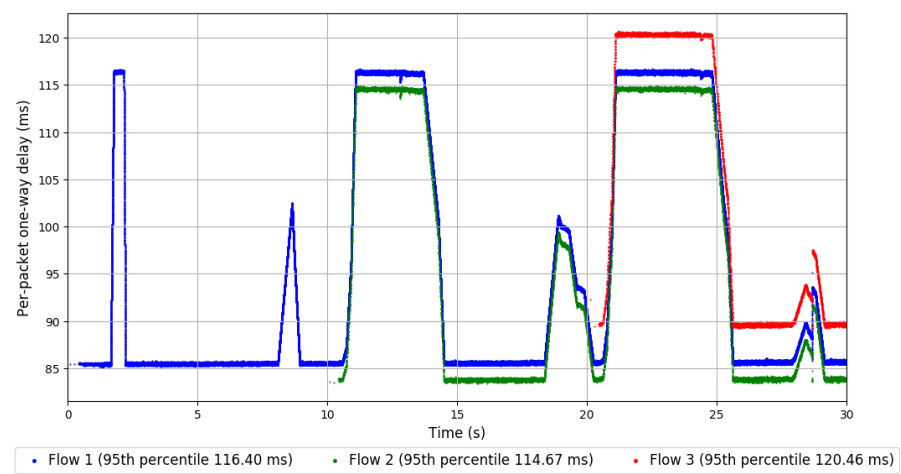
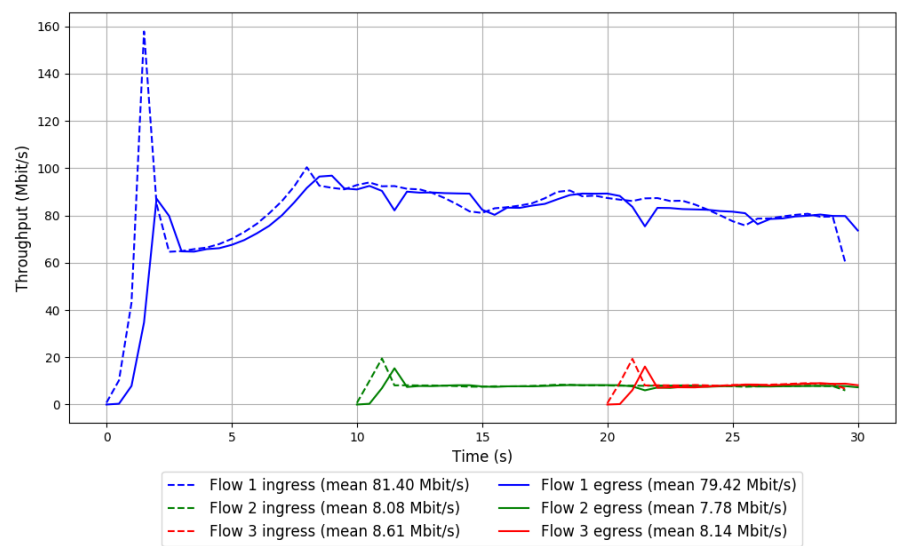


Run 9: Statistics of PCC-Allegro

Start at: 2018-05-22 06:13:40
End at: 2018-05-22 06:14:10
Local clock offset: -7.317 ms
Remote clock offset: 10.684 ms

Below is generated by plot.py at 2018-05-22 06:49:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.27 Mbit/s
95th percentile per-packet one-way delay: 116.415 ms
Loss rate: 2.61%
-- Flow 1:
Average throughput: 79.42 Mbit/s
95th percentile per-packet one-way delay: 116.402 ms
Loss rate: 2.44%
-- Flow 2:
Average throughput: 7.78 Mbit/s
95th percentile per-packet one-way delay: 114.670 ms
Loss rate: 3.76%
-- Flow 3:
Average throughput: 8.14 Mbit/s
95th percentile per-packet one-way delay: 120.459 ms
Loss rate: 5.50%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-05-22 06:34:05

End at: 2018-05-22 06:34:35

Local clock offset: -8.209 ms

Remote clock offset: 2.349 ms

Below is generated by plot.py at 2018-05-22 06:49:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.05 Mbit/s

95th percentile per-packet one-way delay: 110.926 ms

Loss rate: 2.87%

-- Flow 1:

Average throughput: 79.17 Mbit/s

95th percentile per-packet one-way delay: 110.895 ms

Loss rate: 2.60%

-- Flow 2:

Average throughput: 8.05 Mbit/s

95th percentile per-packet one-way delay: 114.325 ms

Loss rate: 5.04%

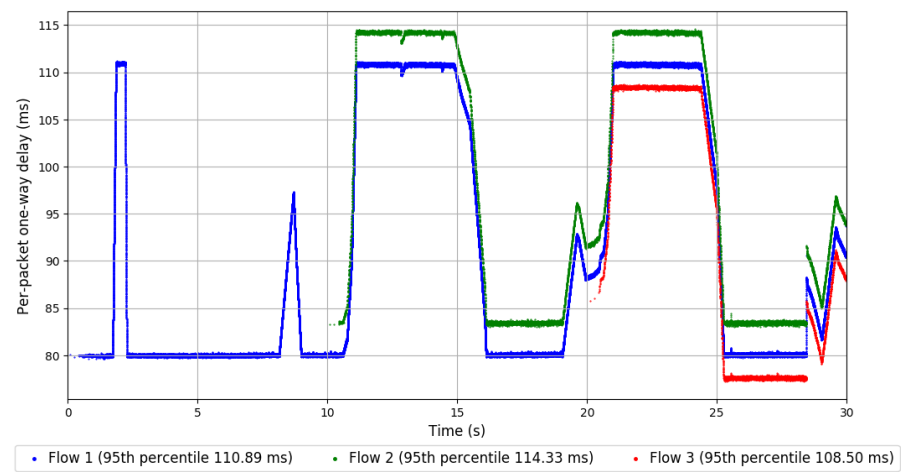
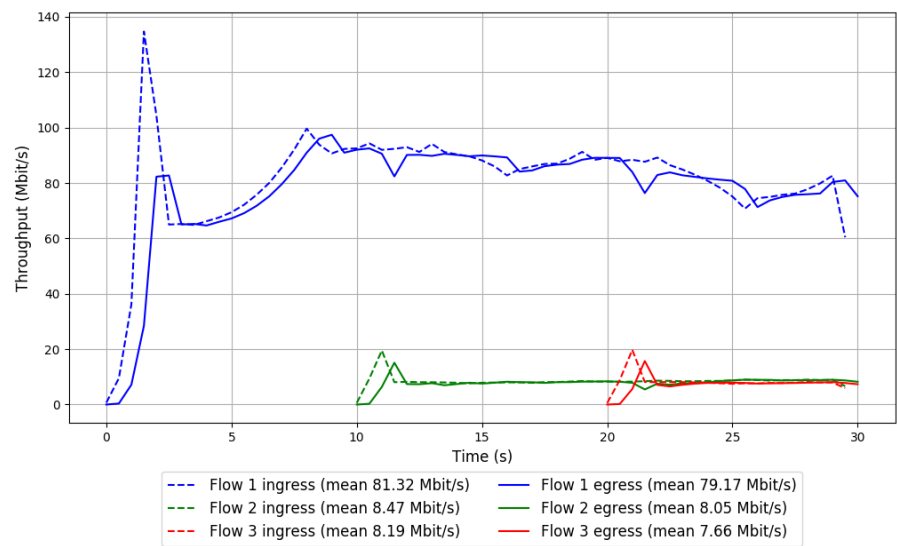
-- Flow 3:

Average throughput: 7.66 Mbit/s

95th percentile per-packet one-way delay: 108.502 ms

Loss rate: 6.36%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

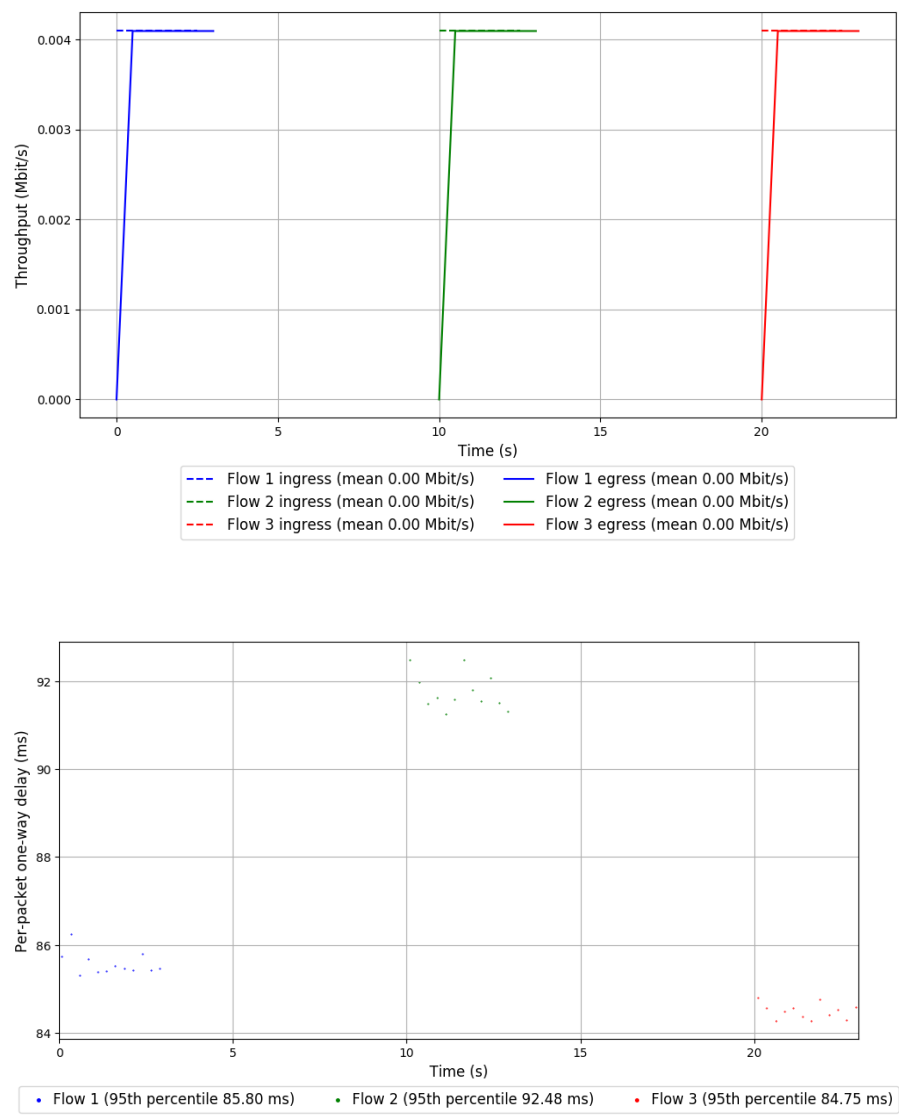
Start at: 2018-05-22 03:20:15

End at: 2018-05-22 03:20:45

Local clock offset: -1.91 ms

Remote clock offset: 12.38 ms

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

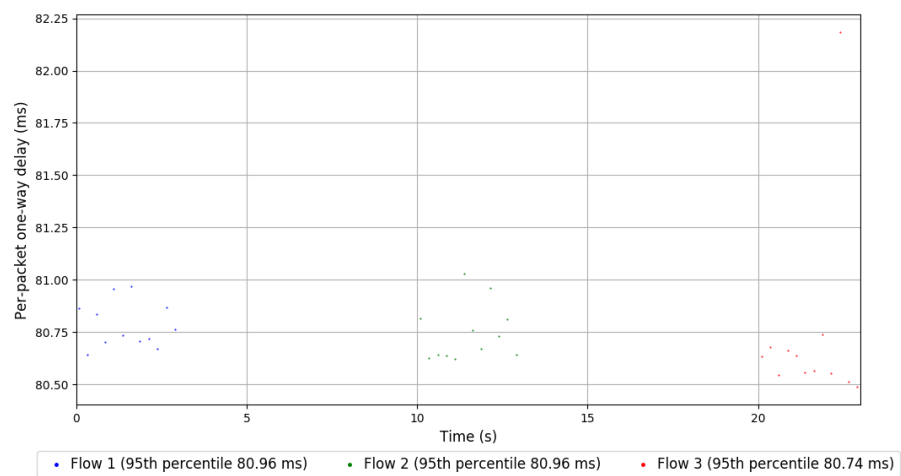
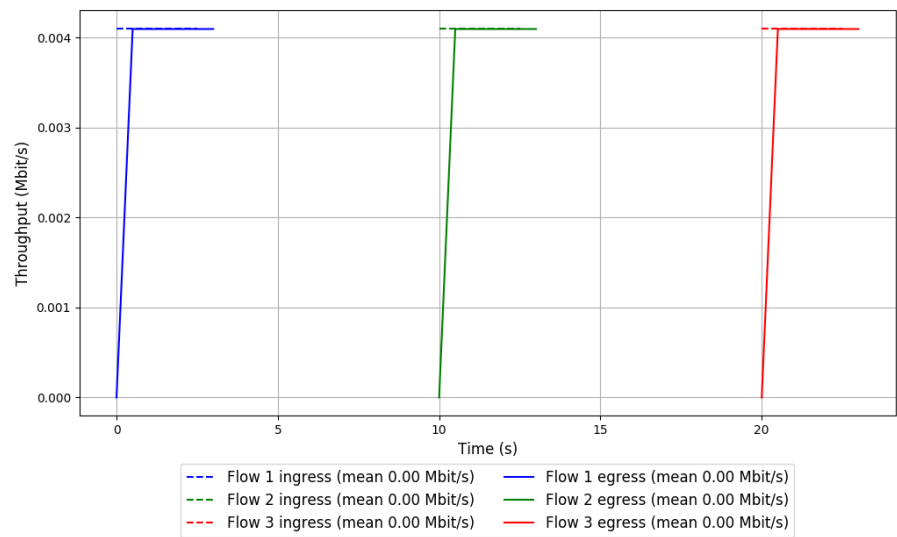
Start at: 2018-05-22 03:39:56

End at: 2018-05-22 03:40:26

Local clock offset: -6.778 ms

Remote clock offset: 4.305 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

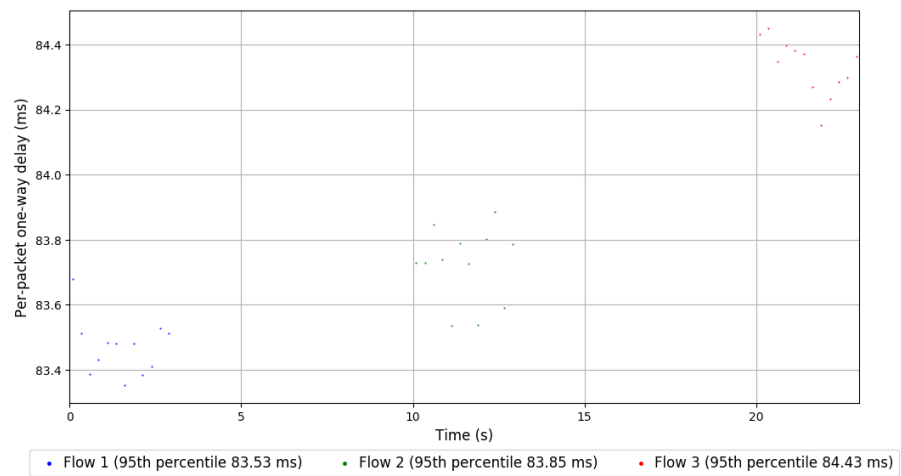
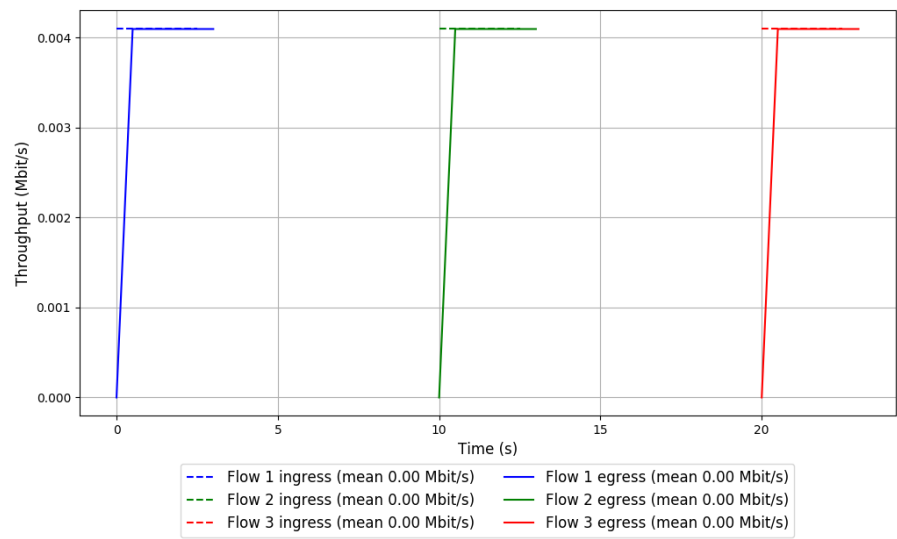
Start at: 2018-05-22 03:59:36

End at: 2018-05-22 04:00:06

Local clock offset: -7.485 ms

Remote clock offset: 13.782 ms

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

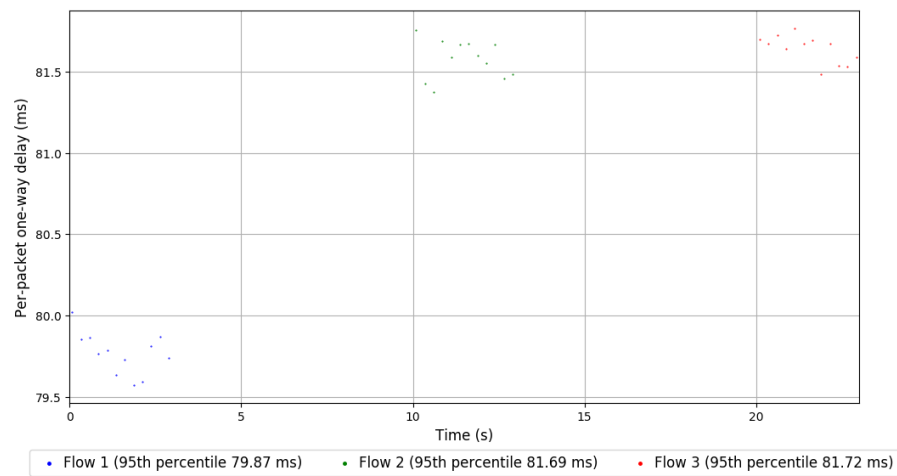
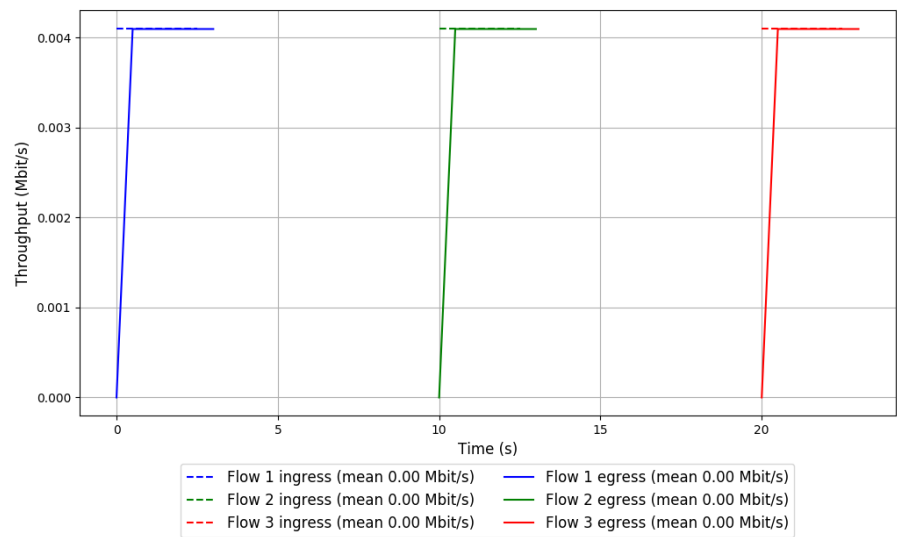
Start at: 2018-05-22 04:19:17

End at: 2018-05-22 04:19:47

Local clock offset: -8.153 ms

Remote clock offset: 11.424 ms

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

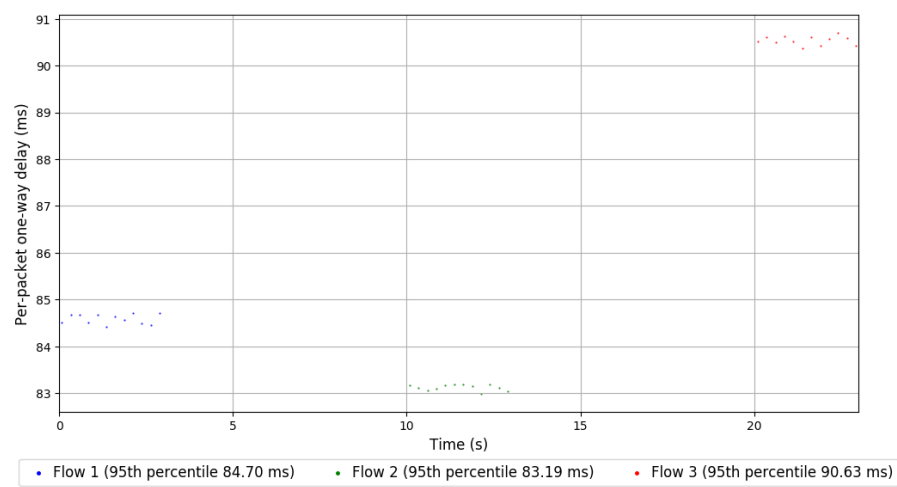
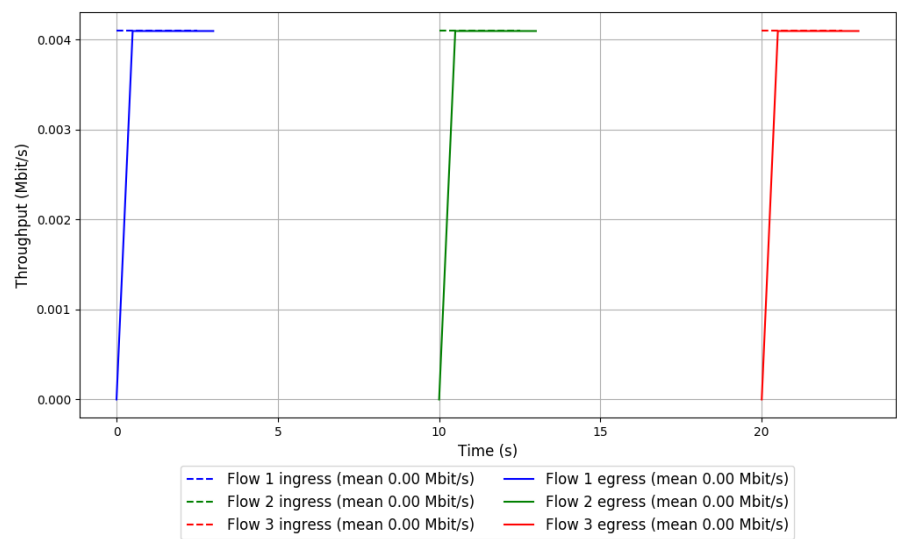
Start at: 2018-05-22 04:38:58

End at: 2018-05-22 04:39:28

Local clock offset: -6.223 ms

Remote clock offset: 8.73 ms

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

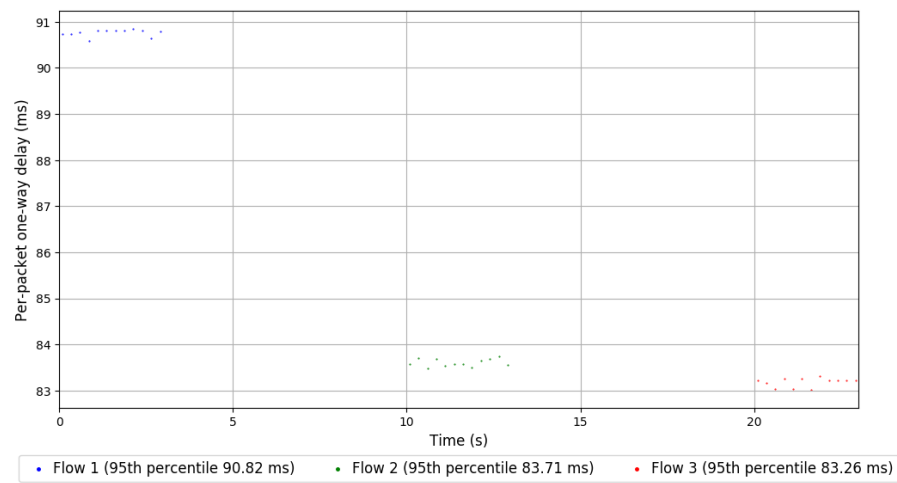
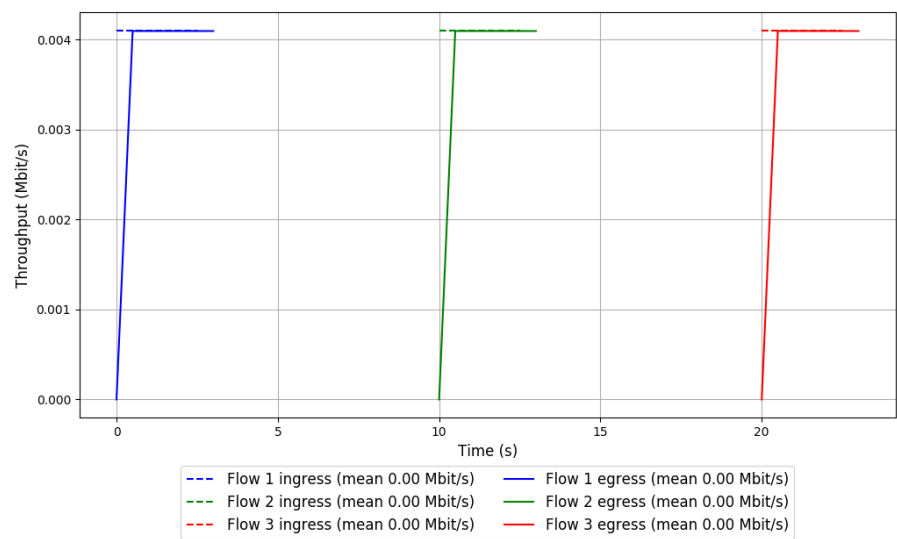
Start at: 2018-05-22 04:58:39

End at: 2018-05-22 04:59:09

Local clock offset: -6.145 ms

Remote clock offset: 6.677 ms

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

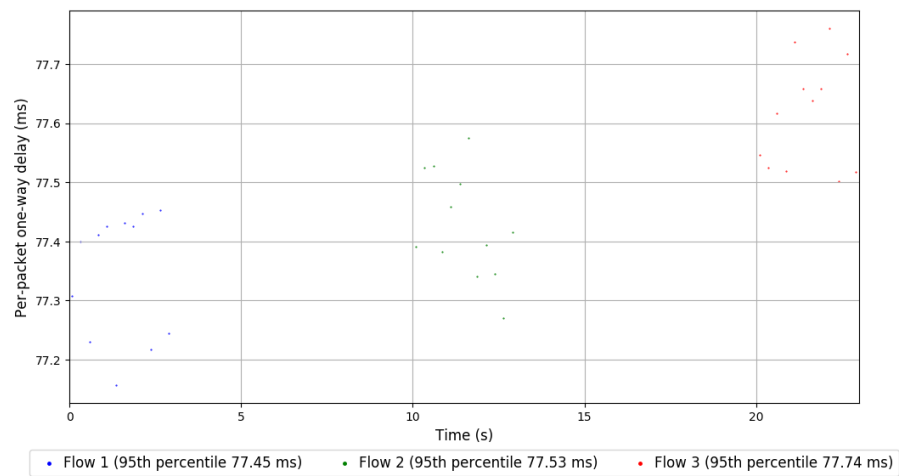
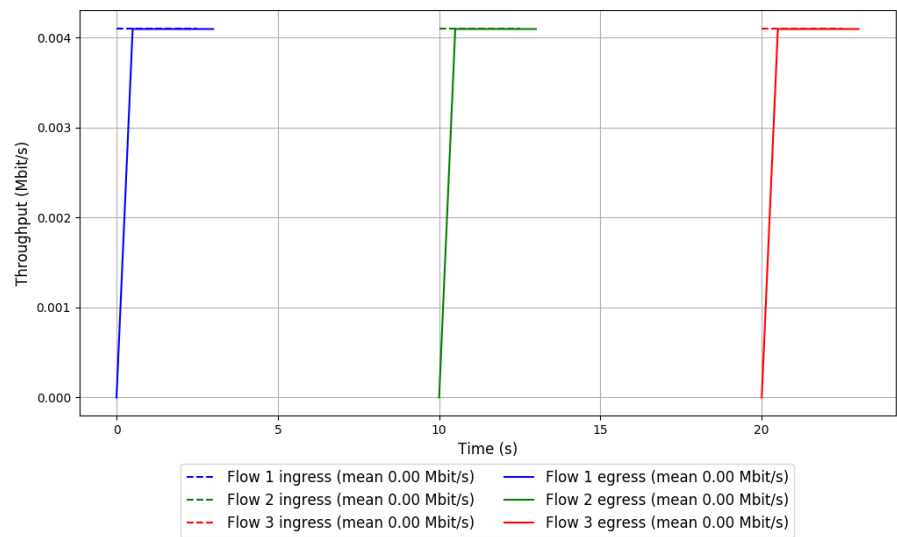
Start at: 2018-05-22 05:18:22

End at: 2018-05-22 05:18:52

Local clock offset: -1.569 ms

Remote clock offset: 2.543 ms

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

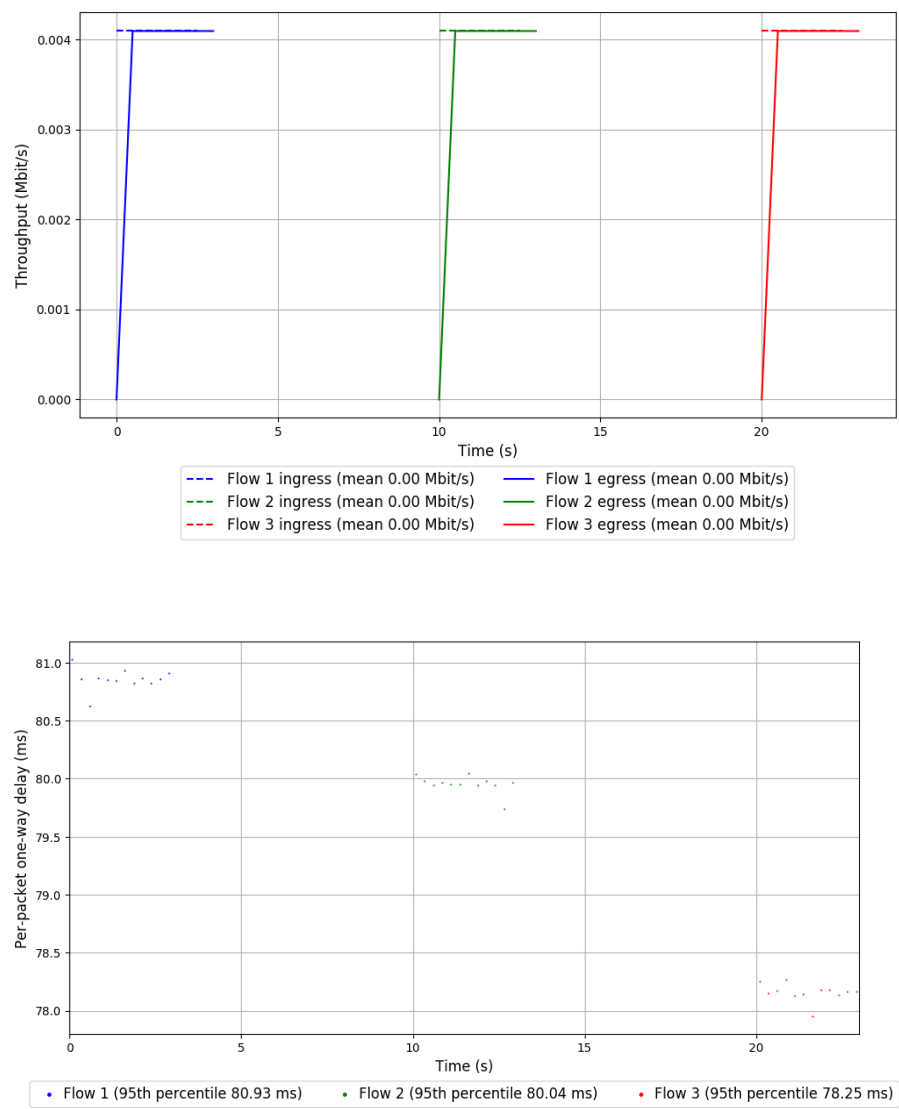
Start at: 2018-05-22 05:38:06

End at: 2018-05-22 05:38:36

Local clock offset: -1.502 ms

Remote clock offset: 7.27 ms

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

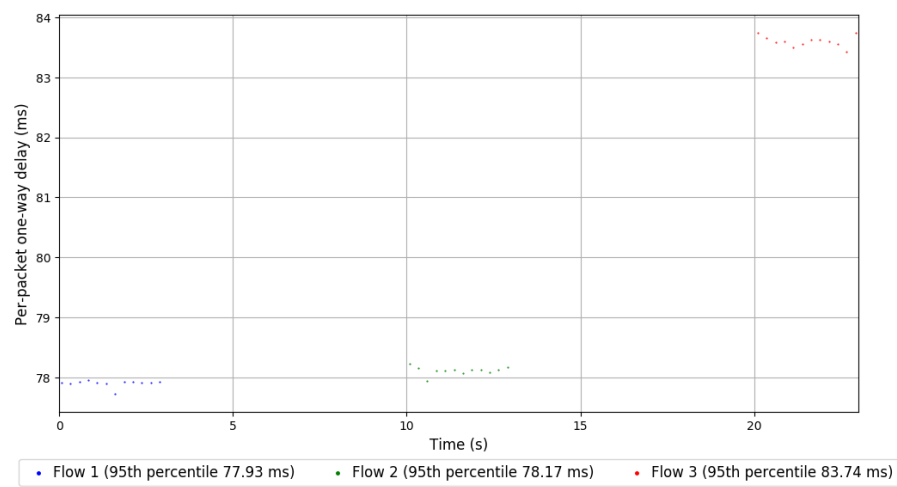
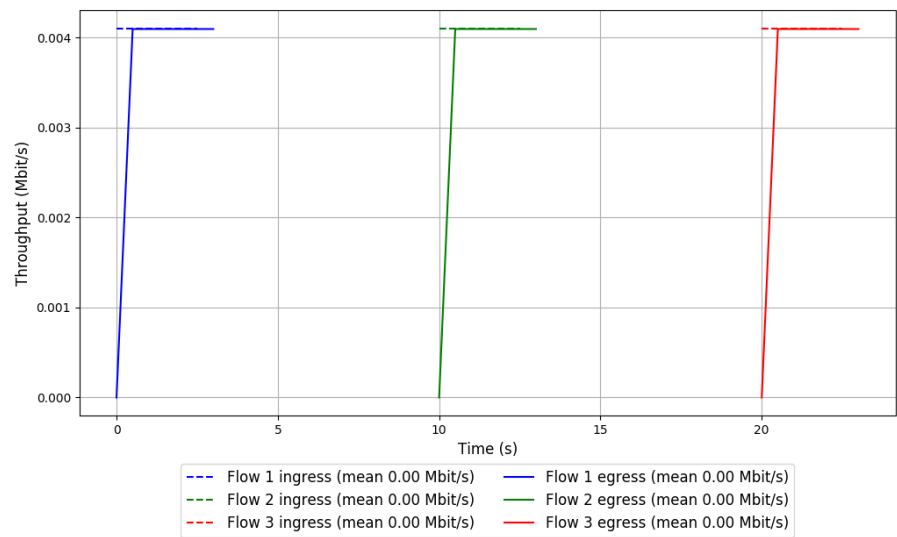
Start at: 2018-05-22 05:57:47

End at: 2018-05-22 05:58:17

Local clock offset: -2.748 ms

Remote clock offset: 10.046 ms

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

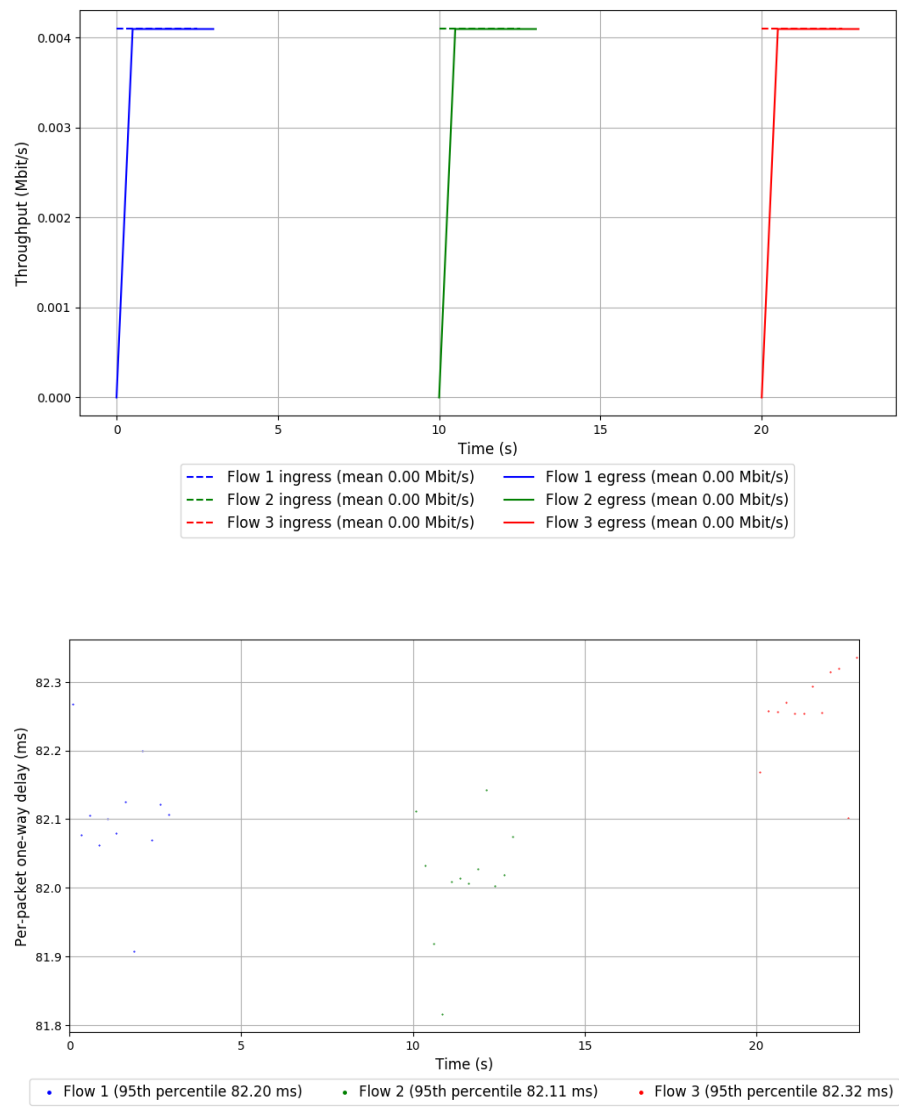
Start at: 2018-05-22 06:18:14

End at: 2018-05-22 06:18:44

Local clock offset: -7.852 ms

Remote clock offset: 7.877 ms

Run 10: Report of PCC-Expr — Data Link

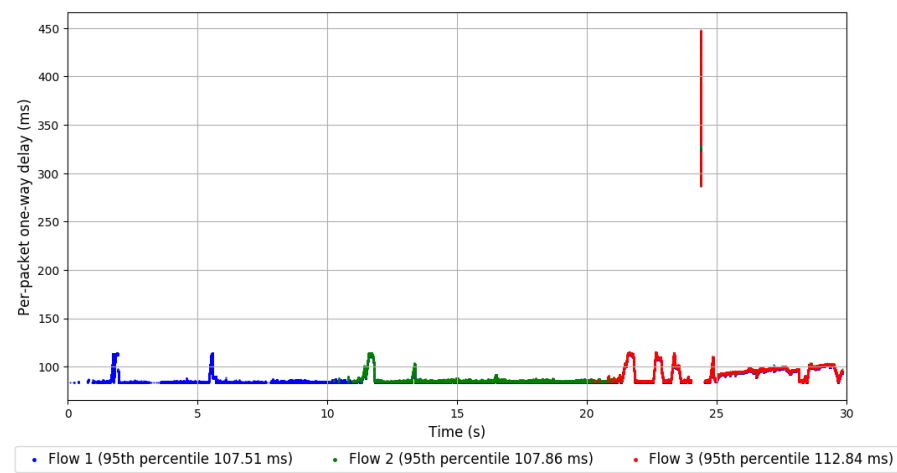
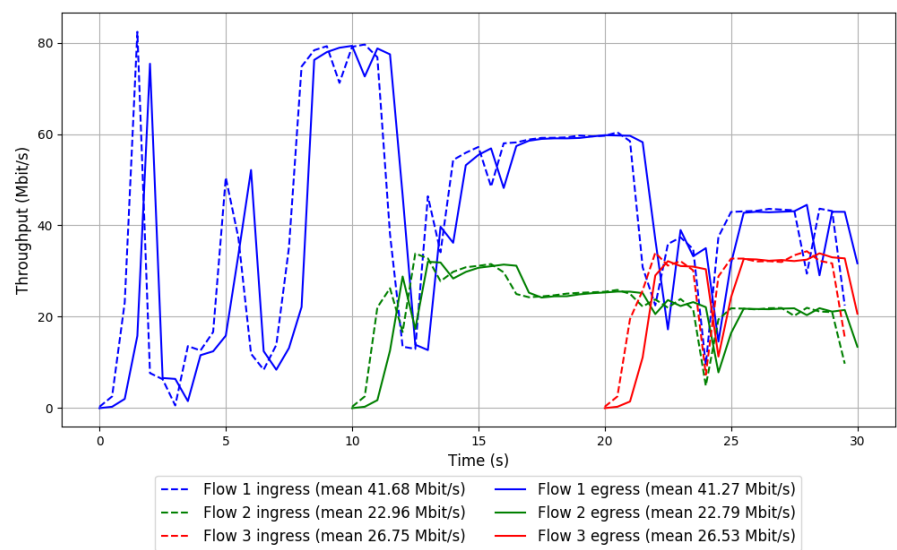


Run 1: Statistics of QUIC Cubic

Start at: 2018-05-22 03:26:18
End at: 2018-05-22 03:26:48
Local clock offset: -0.83 ms
Remote clock offset: 10.457 ms

Below is generated by plot.py at 2018-05-22 06:49:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.08 Mbit/s
95th percentile per-packet one-way delay: 108.493 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 41.27 Mbit/s
95th percentile per-packet one-way delay: 107.506 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 22.79 Mbit/s
95th percentile per-packet one-way delay: 107.860 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 26.53 Mbit/s
95th percentile per-packet one-way delay: 112.837 ms
Loss rate: 0.71%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-05-22 03:46:00

End at: 2018-05-22 03:46:30

Local clock offset: -6.814 ms

Remote clock offset: 8.725 ms

Below is generated by plot.py at 2018-05-22 06:49:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 52.81 Mbit/s

95th percentile per-packet one-way delay: 111.857 ms

Loss rate: 2.02%

-- Flow 1:

Average throughput: 26.45 Mbit/s

95th percentile per-packet one-way delay: 111.030 ms

Loss rate: 1.71%

-- Flow 2:

Average throughput: 24.84 Mbit/s

95th percentile per-packet one-way delay: 111.400 ms

Loss rate: 2.39%

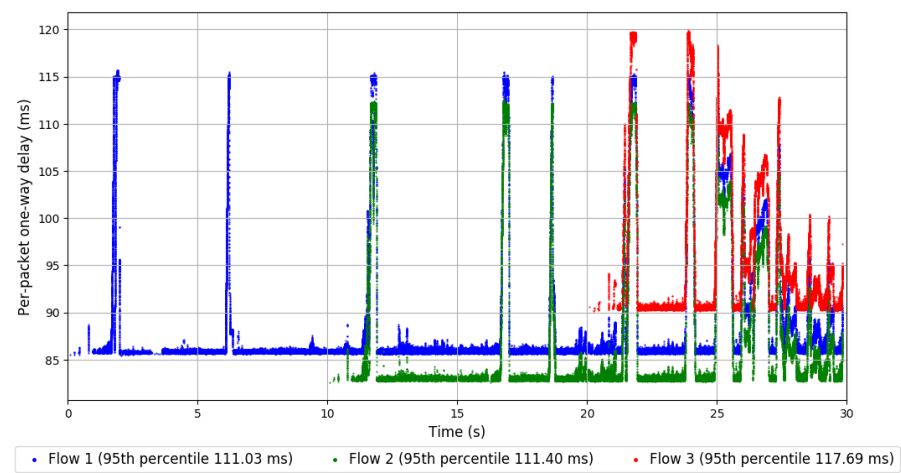
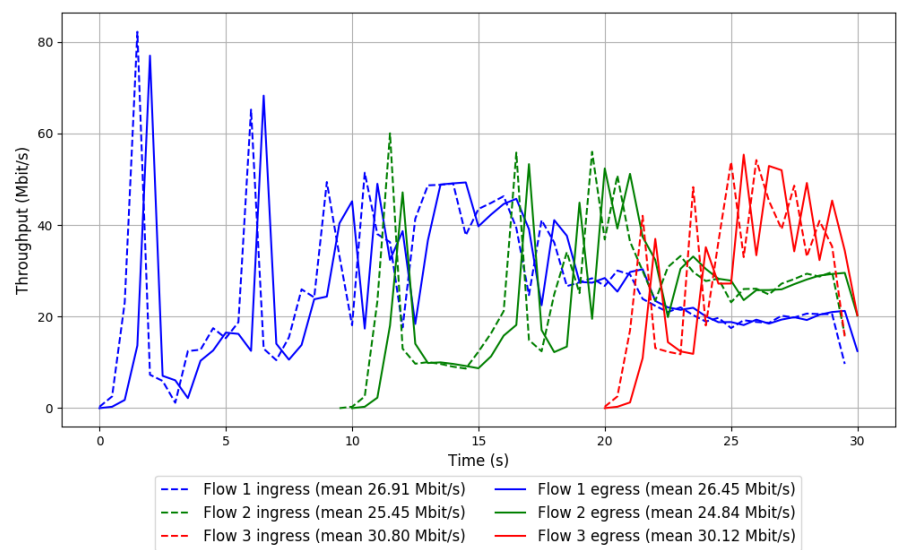
-- Flow 3:

Average throughput: 30.12 Mbit/s

95th percentile per-packet one-way delay: 117.693 ms

Loss rate: 2.25%

Run 2: Report of QUIC Cubic — Data Link

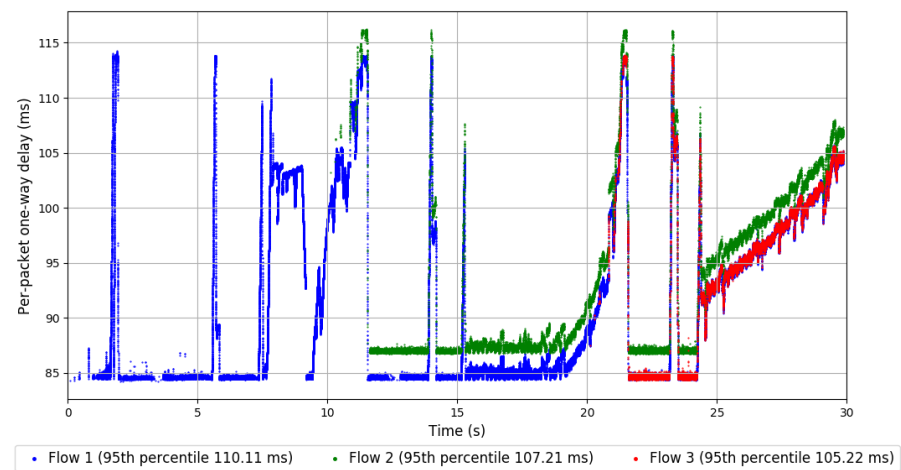
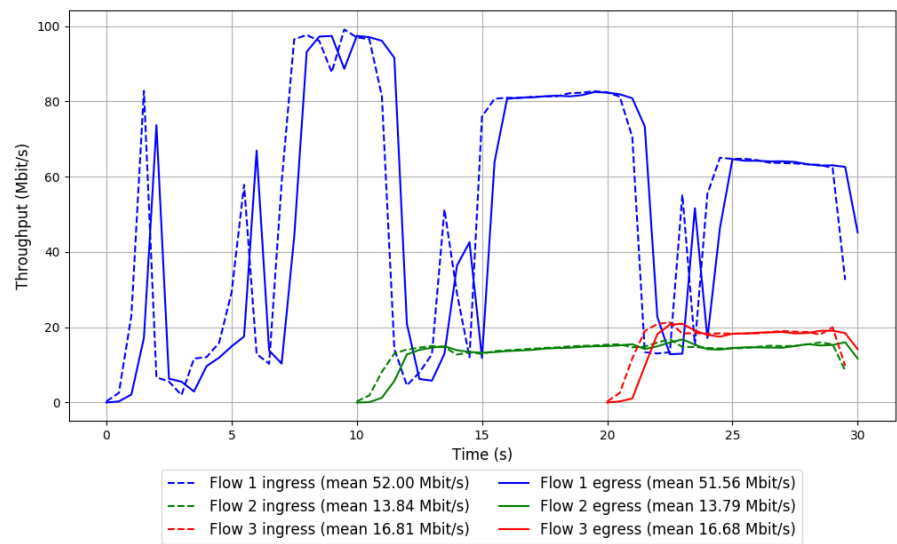


Run 3: Statistics of QUIC Cubic

Start at: 2018-05-22 04:05:39
End at: 2018-05-22 04:06:09
Local clock offset: -8.094 ms
Remote clock offset: 14.769 ms

Below is generated by plot.py at 2018-05-22 06:49:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.17 Mbit/s
95th percentile per-packet one-way delay: 109.424 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 51.56 Mbit/s
95th percentile per-packet one-way delay: 110.114 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 13.79 Mbit/s
95th percentile per-packet one-way delay: 107.210 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 16.68 Mbit/s
95th percentile per-packet one-way delay: 105.216 ms
Loss rate: 0.55%

Run 3: Report of QUIC Cubic — Data Link

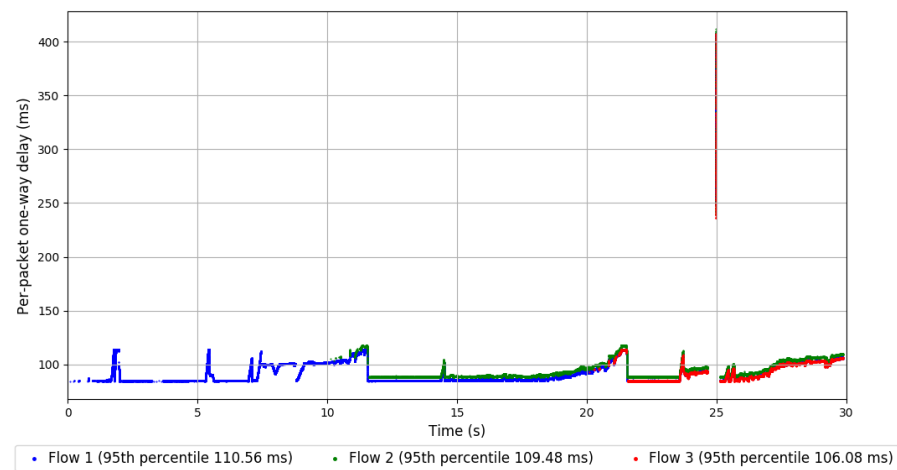
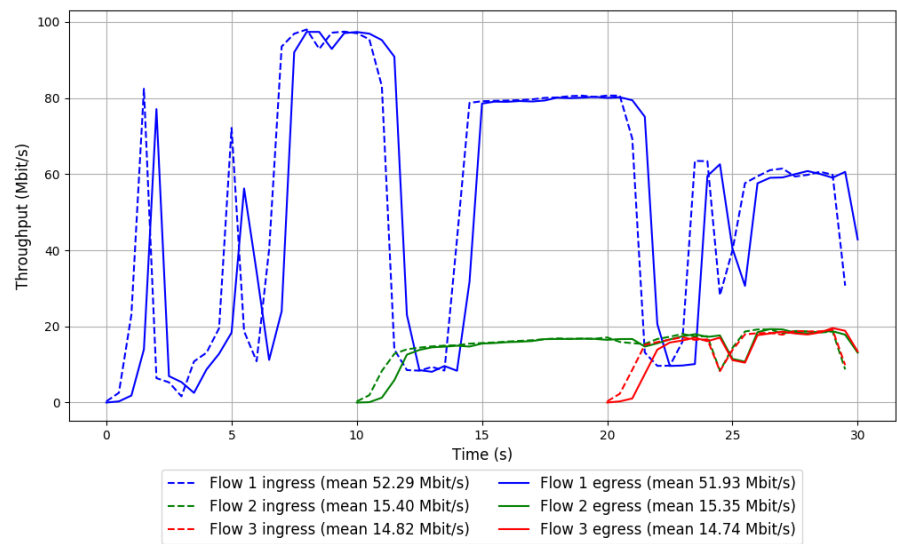


Run 4: Statistics of QUIC Cubic

Start at: 2018-05-22 04:25:21
End at: 2018-05-22 04:25:51
Local clock offset: -6.714 ms
Remote clock offset: 12.501 ms

Below is generated by plot.py at 2018-05-22 06:49:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.93 Mbit/s
95th percentile per-packet one-way delay: 110.279 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 51.93 Mbit/s
95th percentile per-packet one-way delay: 110.556 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 15.35 Mbit/s
95th percentile per-packet one-way delay: 109.477 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 14.74 Mbit/s
95th percentile per-packet one-way delay: 106.077 ms
Loss rate: 0.39%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-05-22 04:45:02

End at: 2018-05-22 04:45:32

Local clock offset: -6.964 ms

Remote clock offset: 7.905 ms

Below is generated by plot.py at 2018-05-22 06:49:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.05 Mbit/s

95th percentile per-packet one-way delay: 110.330 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 52.99 Mbit/s

95th percentile per-packet one-way delay: 110.835 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 18.81 Mbit/s

95th percentile per-packet one-way delay: 107.649 ms

Loss rate: 0.22%

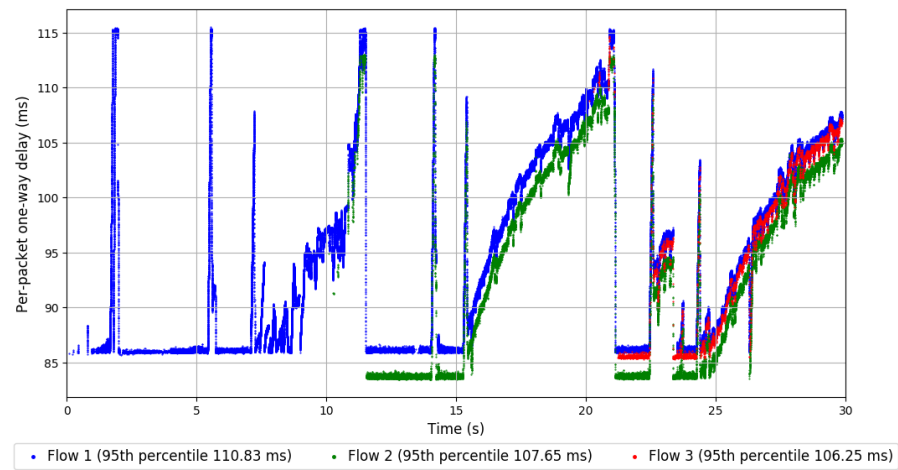
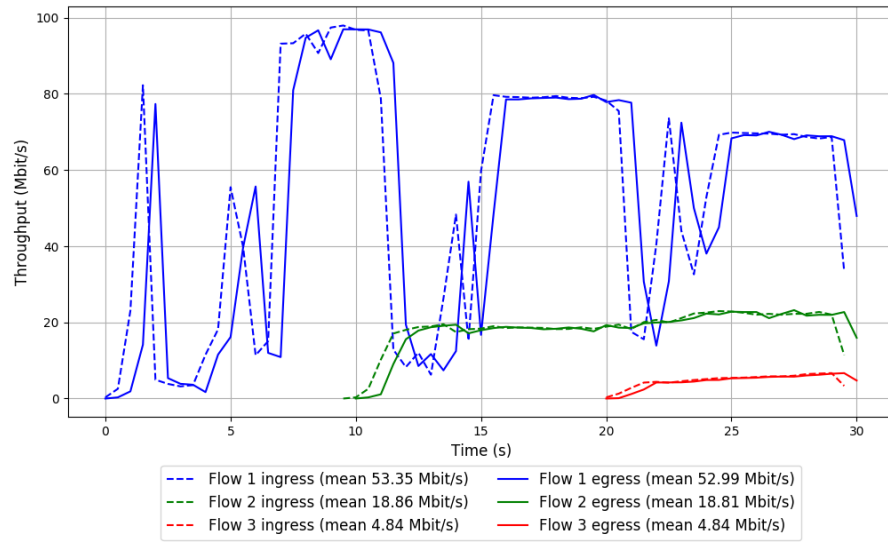
-- Flow 3:

Average throughput: 4.84 Mbit/s

95th percentile per-packet one-way delay: 106.252 ms

Loss rate: 0.10%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-05-22 05:04:44

End at: 2018-05-22 05:05:14

Local clock offset: -5.006 ms

Remote clock offset: 7.887 ms

Below is generated by plot.py at 2018-05-22 06:49:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.21 Mbit/s

95th percentile per-packet one-way delay: 111.678 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 50.71 Mbit/s

95th percentile per-packet one-way delay: 112.855 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 14.86 Mbit/s

95th percentile per-packet one-way delay: 104.235 ms

Loss rate: 0.41%

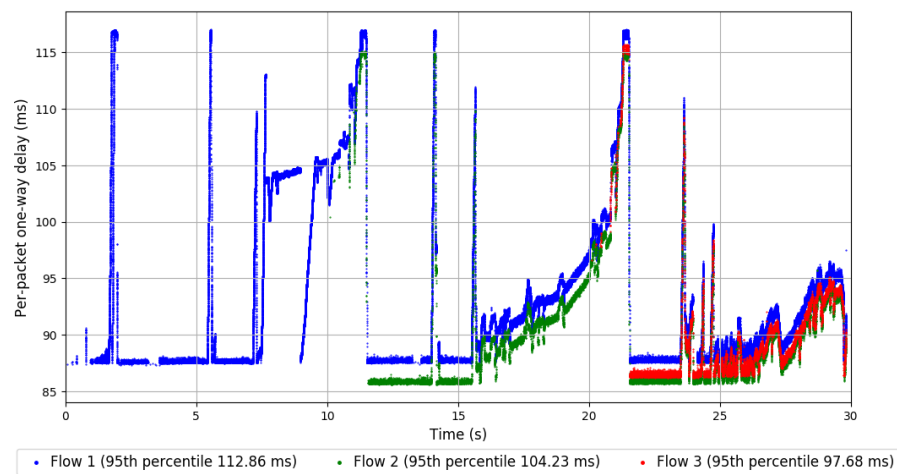
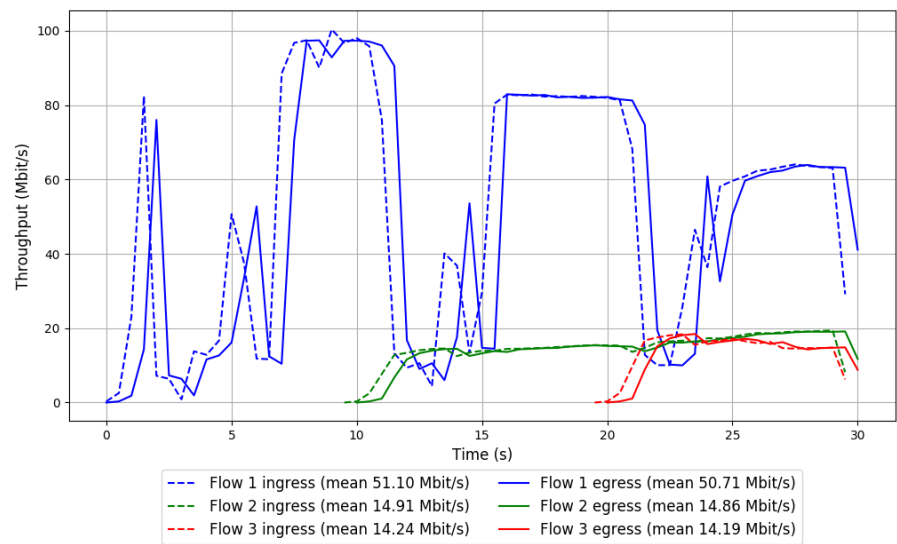
-- Flow 3:

Average throughput: 14.19 Mbit/s

95th percentile per-packet one-way delay: 97.683 ms

Loss rate: 0.44%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-05-22 05:24:29

End at: 2018-05-22 05:24:59

Local clock offset: -1.159 ms

Remote clock offset: 7.031 ms

Below is generated by plot.py at 2018-05-22 06:49:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.11 Mbit/s

95th percentile per-packet one-way delay: 107.992 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 55.26 Mbit/s

95th percentile per-packet one-way delay: 107.337 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 18.30 Mbit/s

95th percentile per-packet one-way delay: 109.155 ms

Loss rate: 0.13%

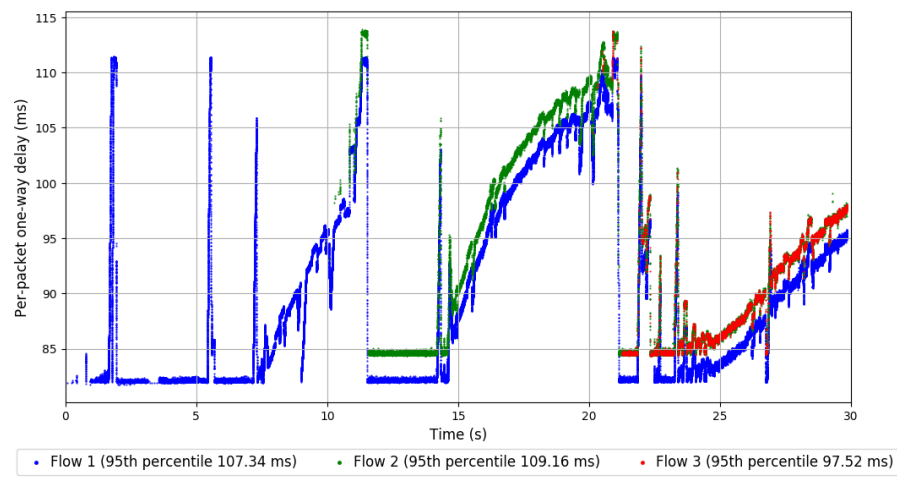
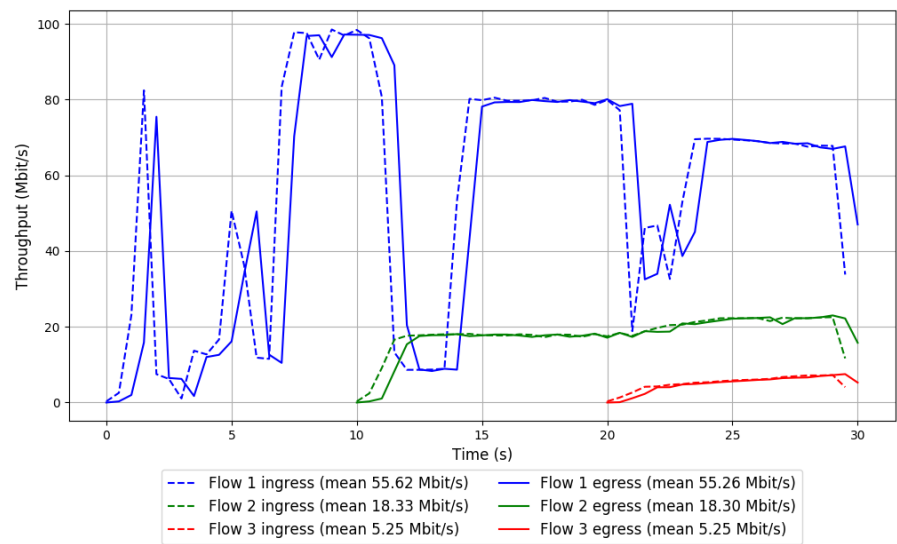
-- Flow 3:

Average throughput: 5.25 Mbit/s

95th percentile per-packet one-way delay: 97.522 ms

Loss rate: 0.16%

Run 7: Report of QUIC Cubic — Data Link

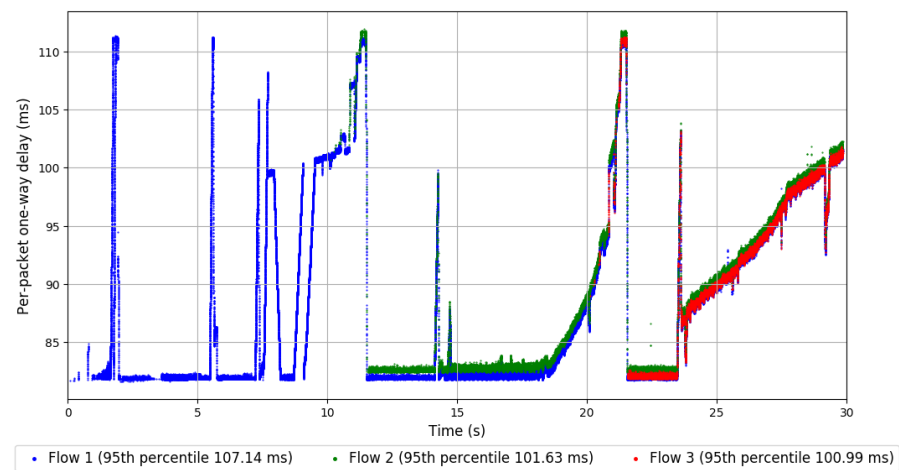
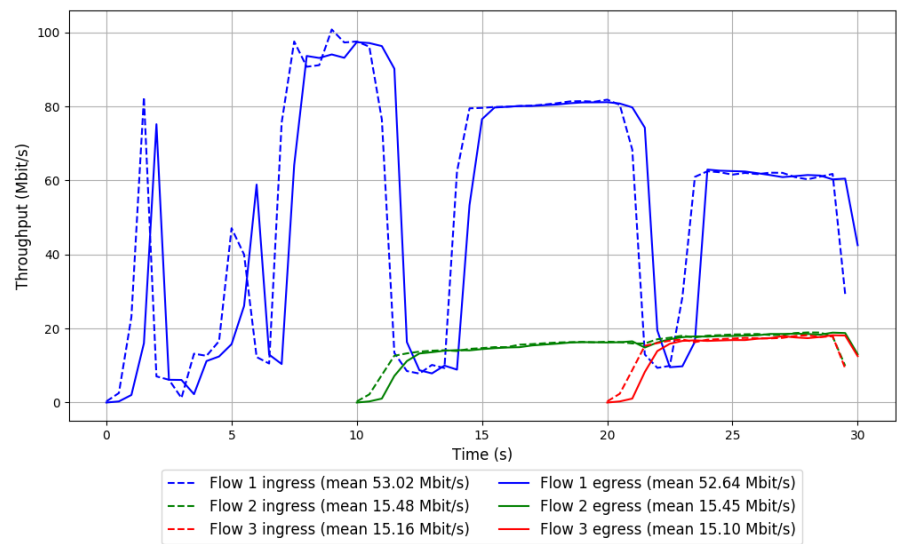


Run 8: Statistics of QUIC Cubic

Start at: 2018-05-22 05:44:10
End at: 2018-05-22 05:44:40
Local clock offset: -1.465 ms
Remote clock offset: 12.753 ms

Below is generated by plot.py at 2018-05-22 06:49:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.82 Mbit/s
95th percentile per-packet one-way delay: 106.732 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 52.64 Mbit/s
95th percentile per-packet one-way delay: 107.138 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 15.45 Mbit/s
95th percentile per-packet one-way delay: 101.634 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 15.10 Mbit/s
95th percentile per-packet one-way delay: 100.989 ms
Loss rate: 0.28%

Run 8: Report of QUIC Cubic — Data Link

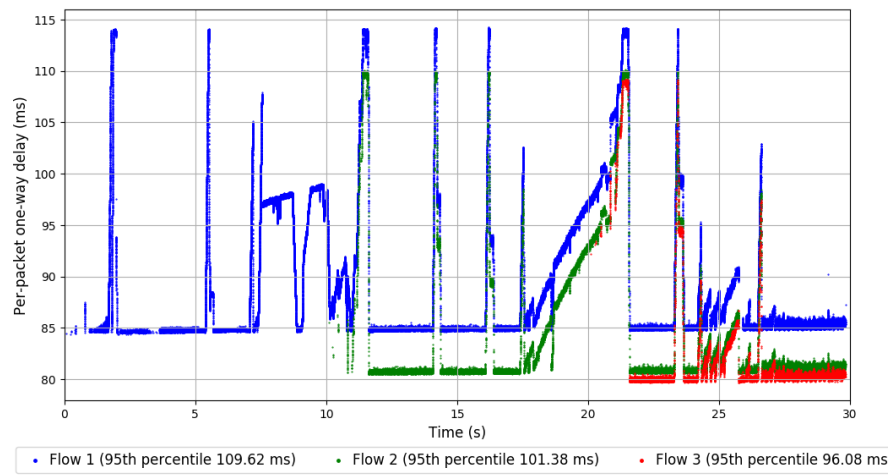
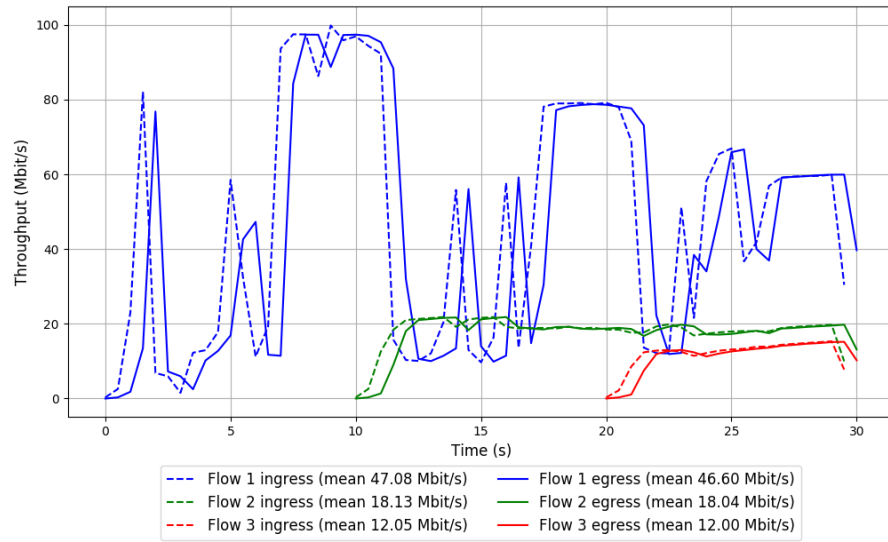


Run 9: Statistics of QUIC Cubic

Start at: 2018-05-22 06:03:51
End at: 2018-05-22 06:04:21
Local clock offset: -5.294 ms
Remote clock offset: 11.276 ms

Below is generated by plot.py at 2018-05-22 06:49:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.48 Mbit/s
95th percentile per-packet one-way delay: 108.171 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 46.60 Mbit/s
95th percentile per-packet one-way delay: 109.619 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 18.04 Mbit/s
95th percentile per-packet one-way delay: 101.383 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 96.084 ms
Loss rate: 0.53%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-05-22 06:24:17

End at: 2018-05-22 06:24:47

Local clock offset: -8.354 ms

Remote clock offset: 6.915 ms

Below is generated by plot.py at 2018-05-22 06:50:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.32 Mbit/s

95th percentile per-packet one-way delay: 116.544 ms

Loss rate: 2.64%

-- Flow 1:

Average throughput: 42.80 Mbit/s

95th percentile per-packet one-way delay: 116.555 ms

Loss rate: 1.54%

-- Flow 2:

Average throughput: 19.35 Mbit/s

95th percentile per-packet one-way delay: 109.950 ms

Loss rate: 1.20%

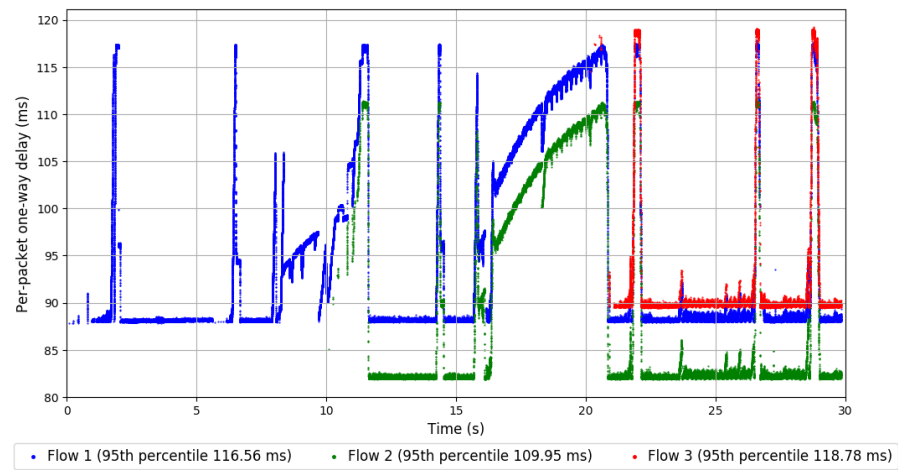
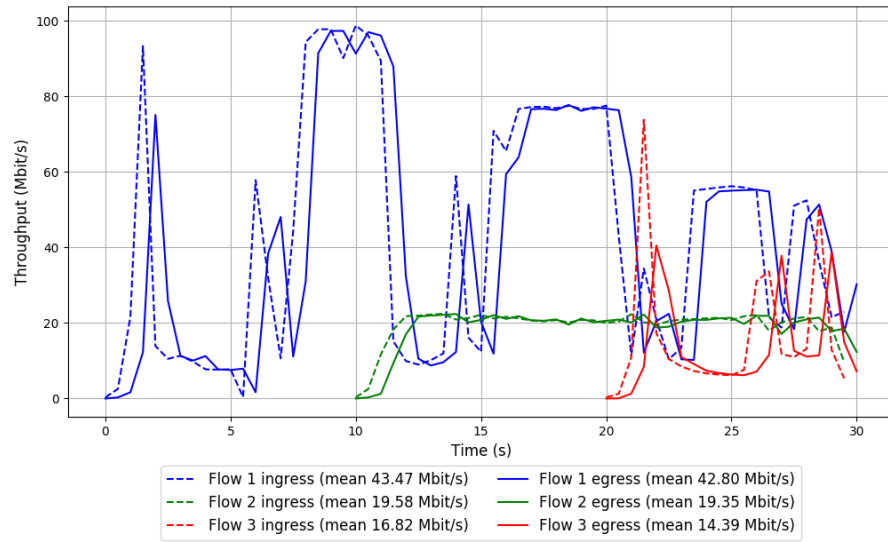
-- Flow 3:

Average throughput: 14.39 Mbit/s

95th percentile per-packet one-way delay: 118.784 ms

Loss rate: 14.69%

Run 10: Report of QUIC Cubic — Data Link

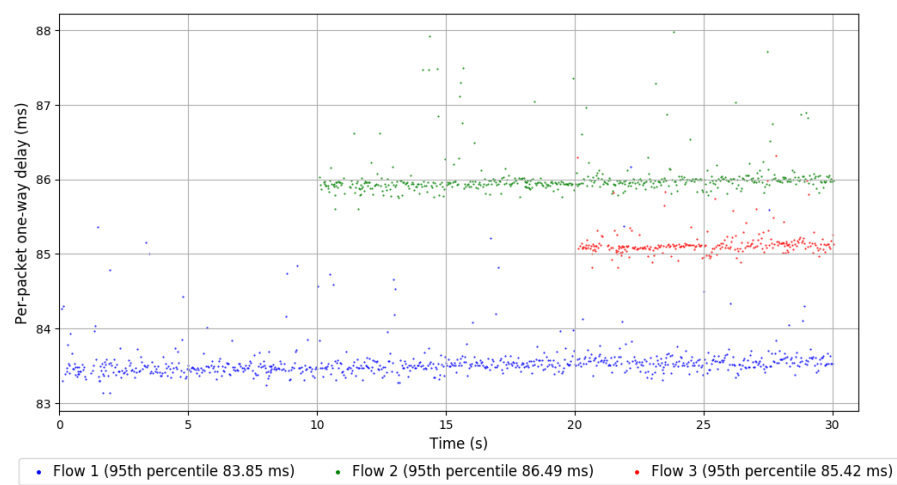
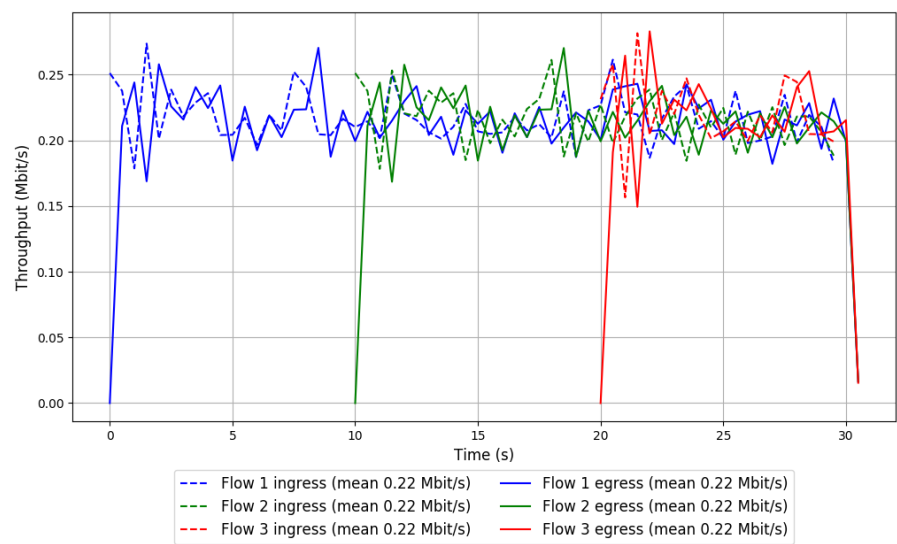


Run 1: Statistics of SReAM

Start at: 2018-05-22 03:25:08
End at: 2018-05-22 03:25:38
Local clock offset: -0.124 ms
Remote clock offset: 11.589 ms

Below is generated by plot.py at 2018-05-22 06:50:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.040 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.854 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.493 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.415 ms
Loss rate: 0.00%

Run 1: Report of SCReAM — Data Link

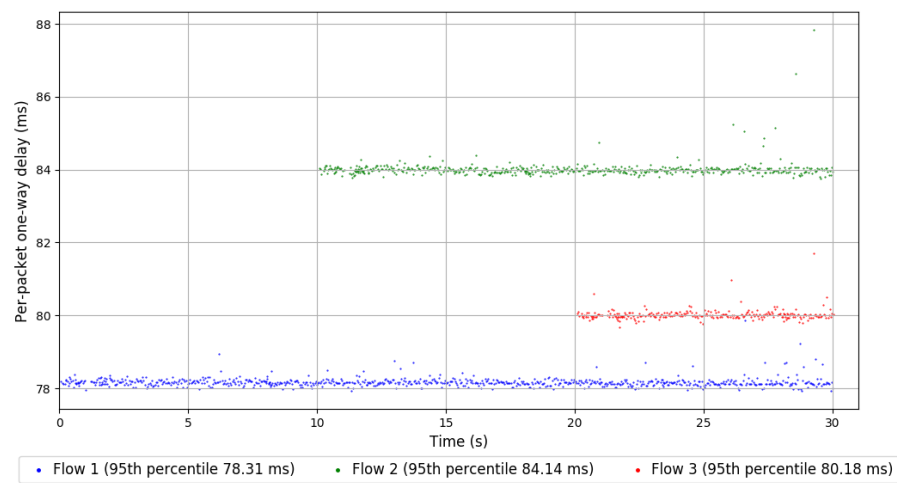
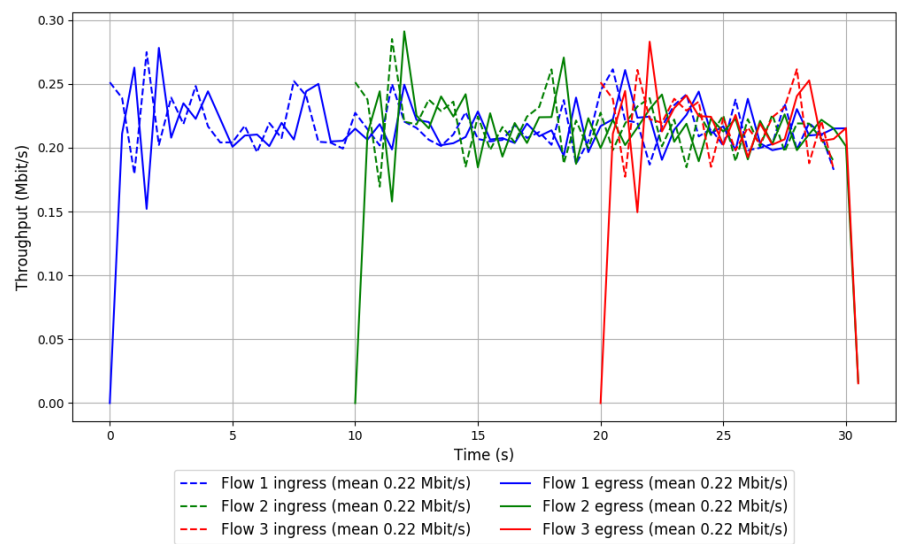


```
Run 2: Statistics of SReAM

Start at: 2018-05-22 03:44:50
End at: 2018-05-22 03:45:20
Local clock offset: -5.923 ms
Remote clock offset: 4.904 ms

# Below is generated by plot.py at 2018-05-22 06:50:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 84.062 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.315 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.137 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.176 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link

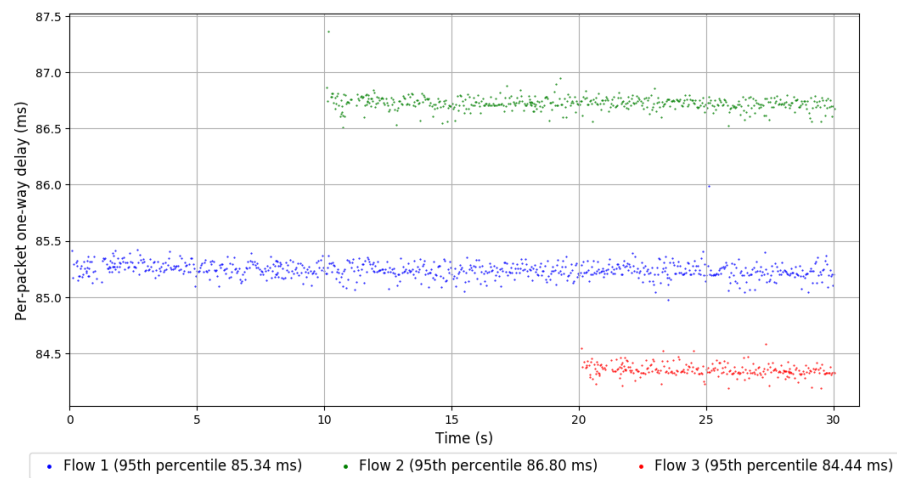
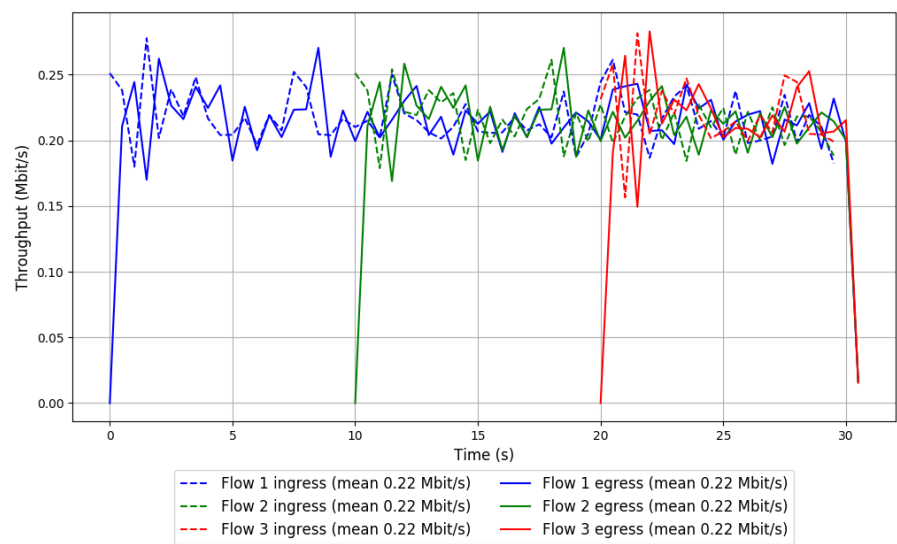


Run 3: Statistics of SReAM

Start at: 2018-05-22 04:04:28
End at: 2018-05-22 04:04:59
Local clock offset: -8.115 ms
Remote clock offset: 14.558 ms

Below is generated by plot.py at 2018-05-22 06:50:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.777 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.343 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.801 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.441 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

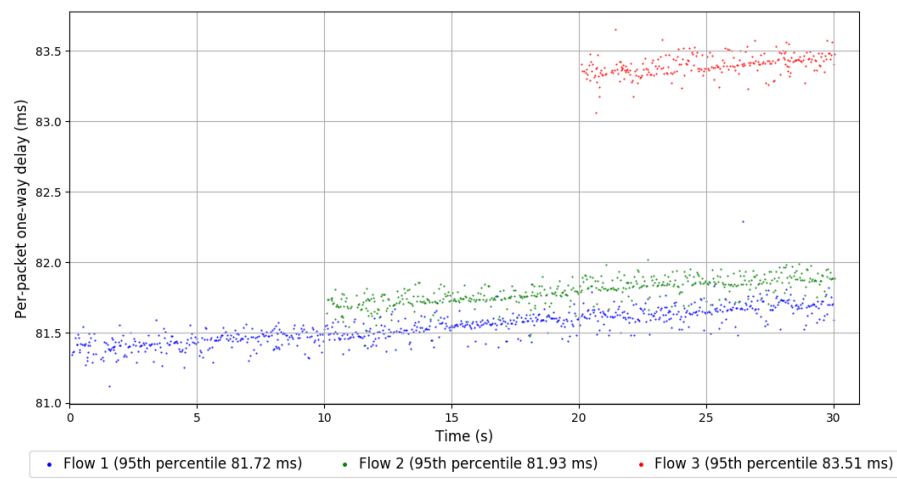
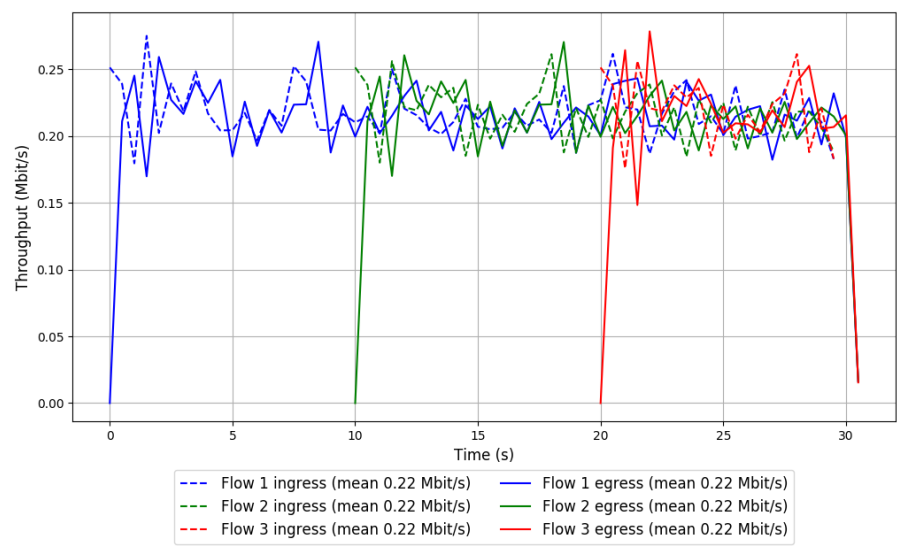


Run 4: Statistics of SReAM

Start at: 2018-05-22 04:24:11
End at: 2018-05-22 04:24:41
Local clock offset: -6.652 ms
Remote clock offset: 12.301 ms

Below is generated by plot.py at 2018-05-22 06:50:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 83.434 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.719 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.930 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.511 ms
Loss rate: 0.00%

Run 4: Report of SCReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-05-22 04:43:52

End at: 2018-05-22 04:44:22

Local clock offset: -7.793 ms

Remote clock offset: 7.23 ms

Below is generated by plot.py at 2018-05-22 06:50:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 84.361 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 83.852 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 83.963 ms

Loss rate: 0.00%

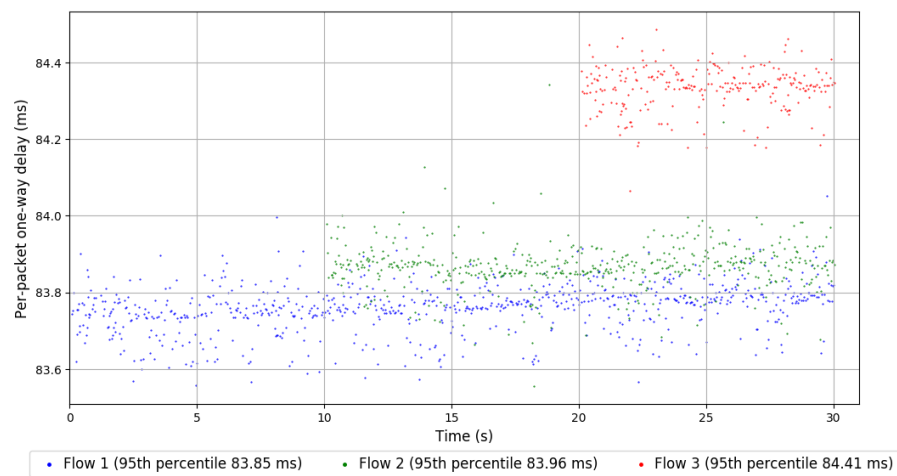
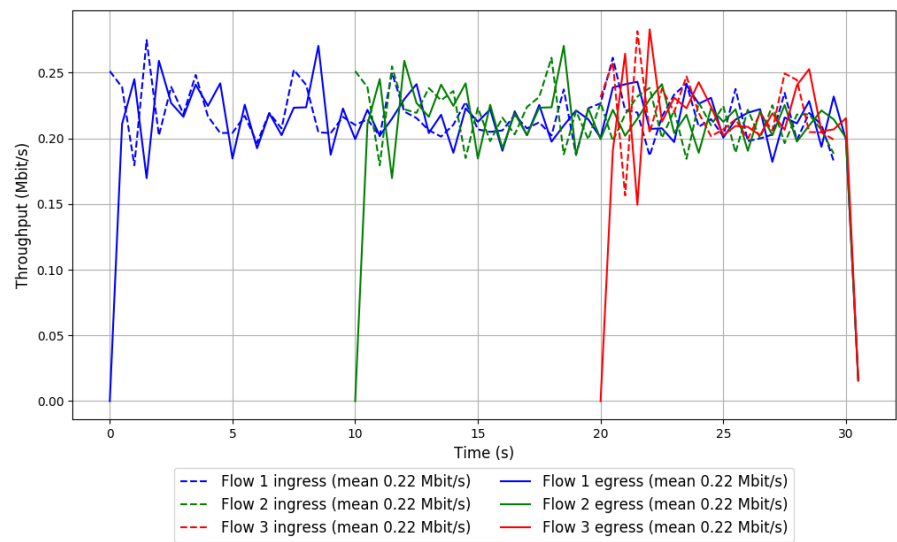
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.410 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

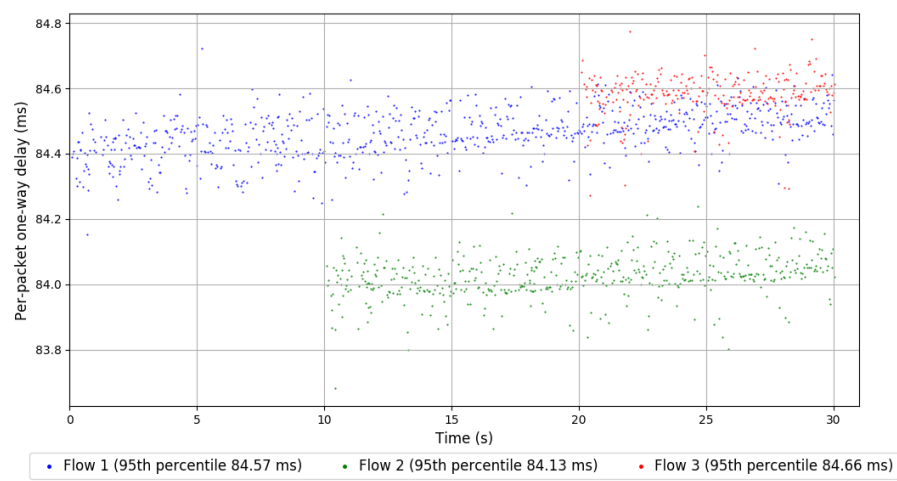
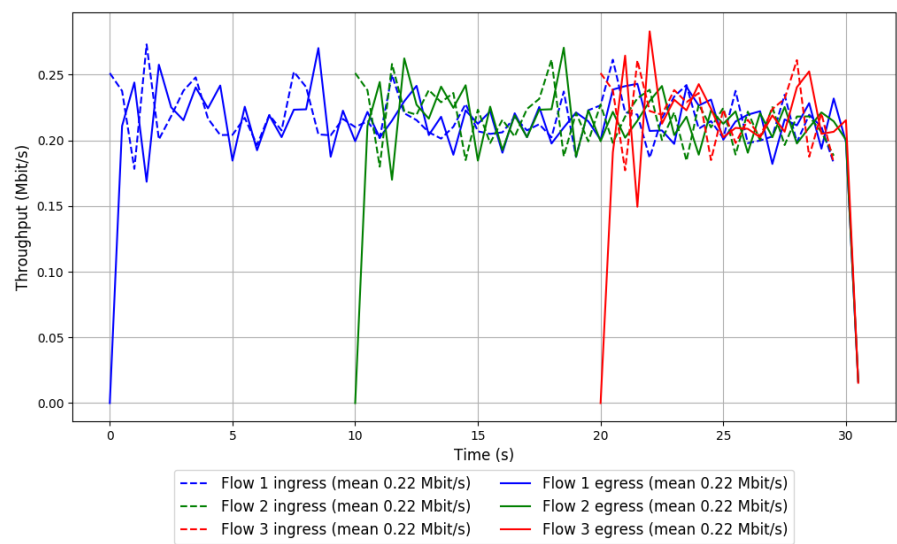


Run 6: Statistics of SReAM

Start at: 2018-05-22 05:03:34
End at: 2018-05-22 05:04:04
Local clock offset: -4.471 ms
Remote clock offset: 6.058 ms

Below is generated by plot.py at 2018-05-22 06:50:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 84.613 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.569 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.126 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.655 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

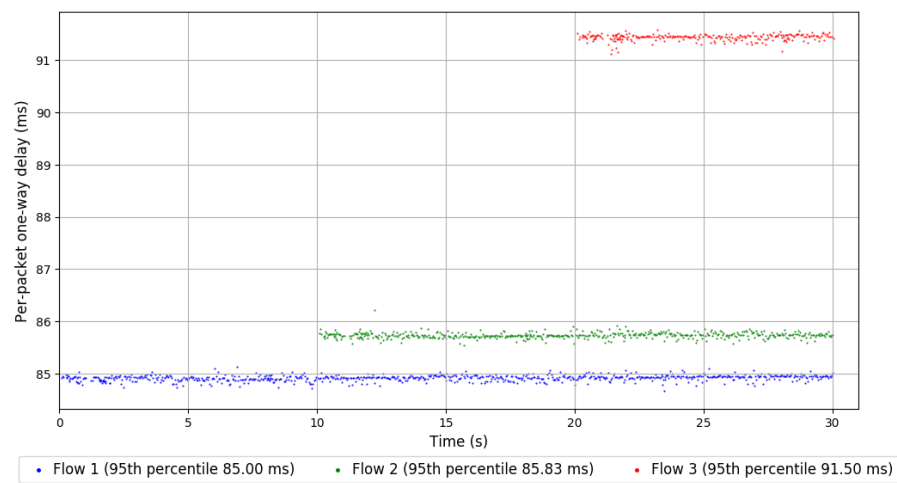
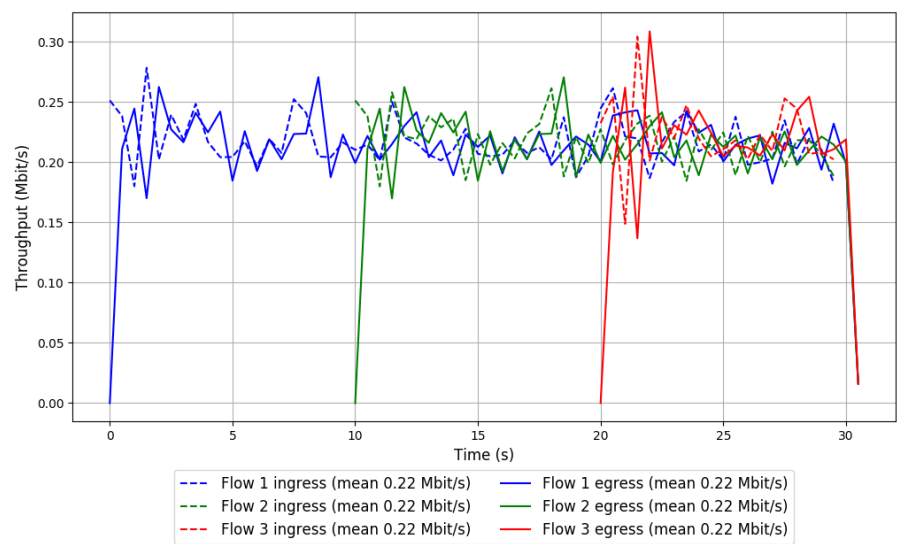


Run 7: Statistics of SReAM

Start at: 2018-05-22 05:23:19
End at: 2018-05-22 05:23:49
Local clock offset: -2.015 ms
Remote clock offset: 8.039 ms

```
# Below is generated by plot.py at 2018-05-22 06:50:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 91.461 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.004 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.828 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 91.504 ms
Loss rate: 0.00%
```

Run 7: Report of SReAM — Data Link

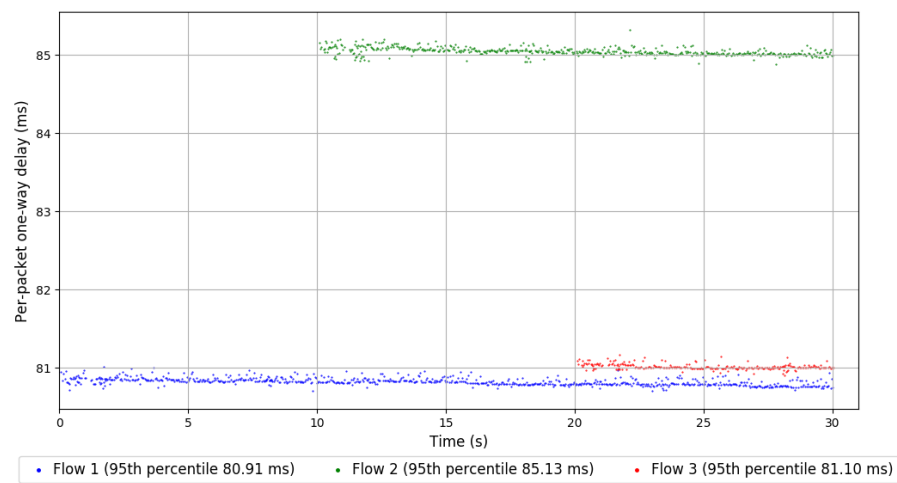
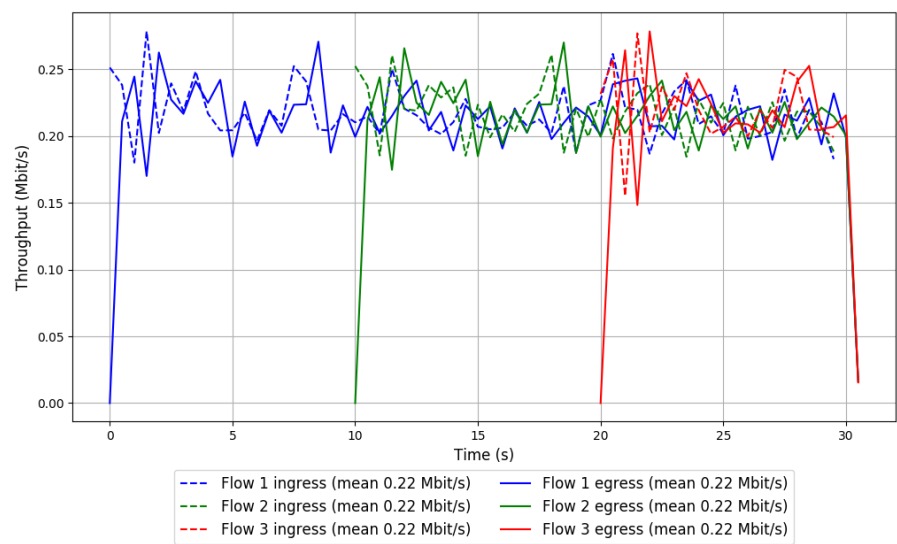


Run 8: Statistics of SReAM

Start at: 2018-05-22 05:43:00
End at: 2018-05-22 05:43:30
Local clock offset: -2.307 ms
Remote clock offset: 8.77 ms

Below is generated by plot.py at 2018-05-22 06:50:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 85.097 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.912 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.132 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.096 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

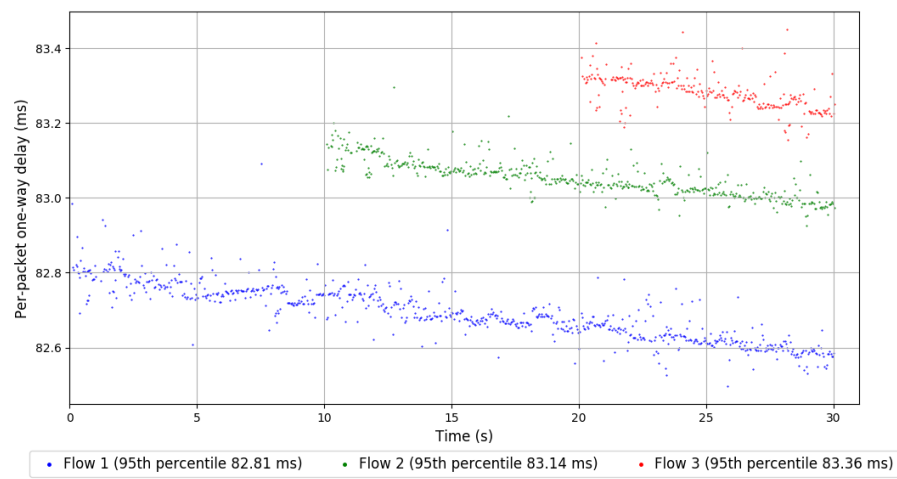
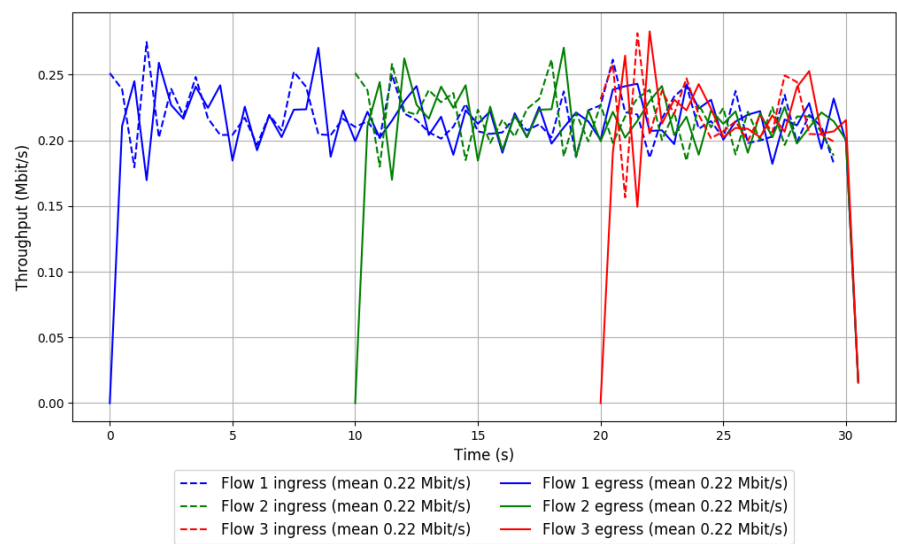


Run 9: Statistics of SReAM

Start at: 2018-05-22 06:02:41
End at: 2018-05-22 06:03:11
Local clock offset: -4.943 ms
Remote clock offset: 14.997 ms

Below is generated by plot.py at 2018-05-22 06:50:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 83.308 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.811 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.138 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.356 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-05-22 06:23:06

End at: 2018-05-22 06:23:36

Local clock offset: -8.319 ms

Remote clock offset: 7.964 ms

Below is generated by plot.py at 2018-05-22 06:50:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 85.238 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.805 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 83.069 ms

Loss rate: 0.00%

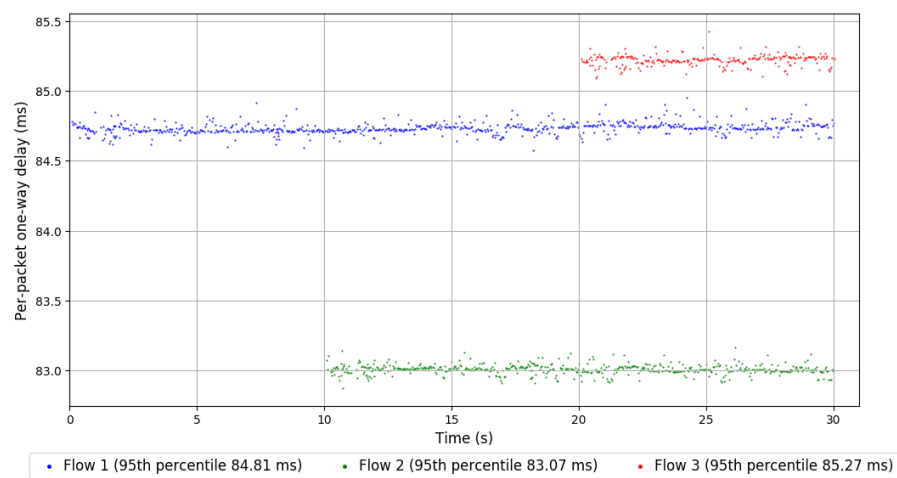
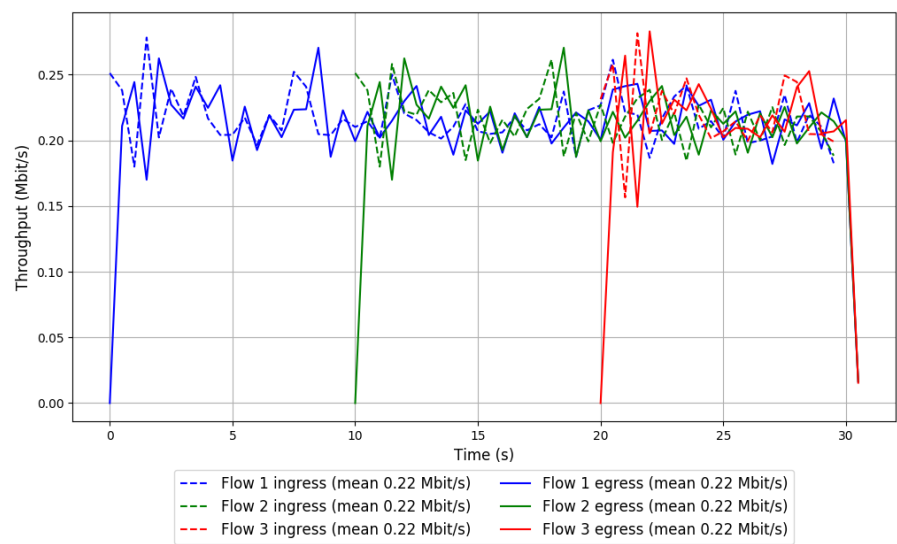
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.273 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-05-22 03:31:12

End at: 2018-05-22 03:31:42

Local clock offset: -2.676 ms

Remote clock offset: 9.572 ms

Below is generated by plot.py at 2018-05-22 06:50:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 6.64 Mbit/s

95th percentile per-packet one-way delay: 89.971 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.87 Mbit/s

95th percentile per-packet one-way delay: 89.331 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.94 Mbit/s

95th percentile per-packet one-way delay: 89.349 ms

Loss rate: 0.00%

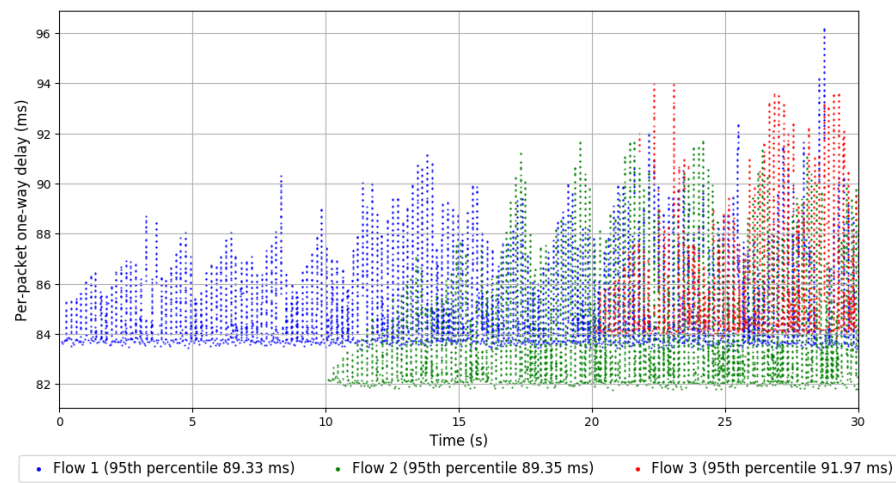
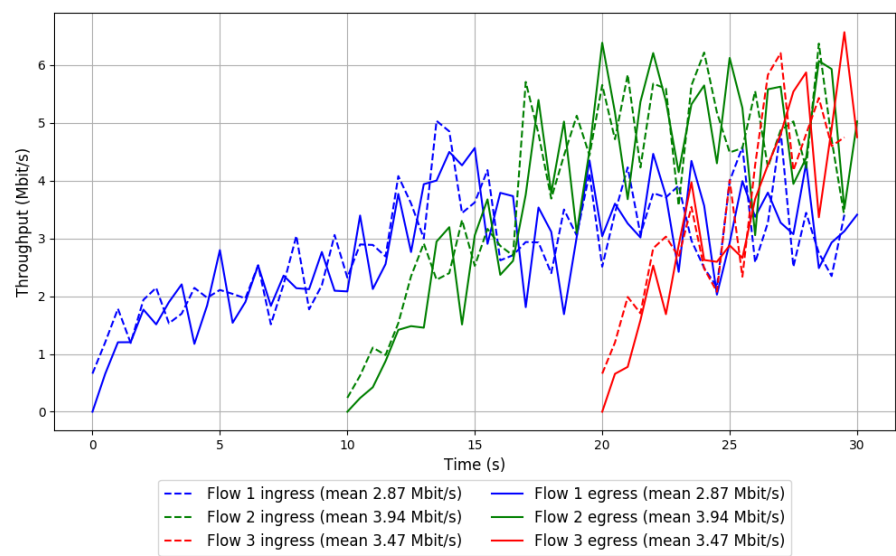
-- Flow 3:

Average throughput: 3.47 Mbit/s

95th percentile per-packet one-way delay: 91.972 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

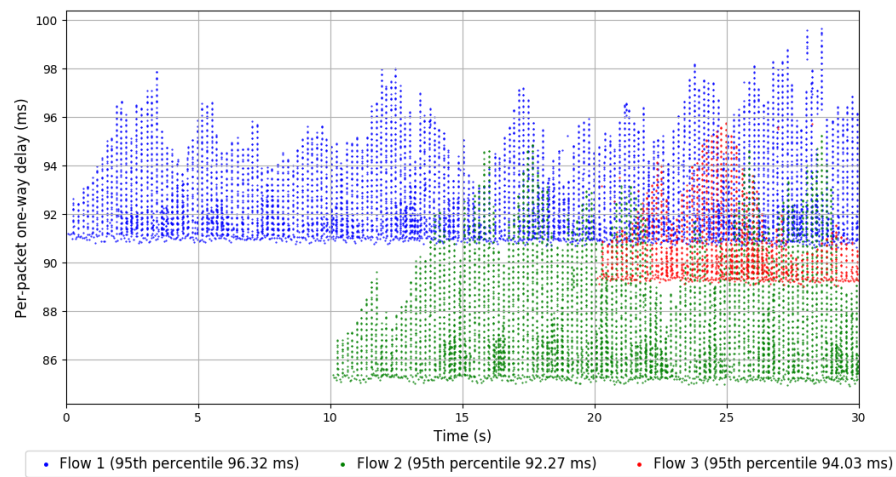
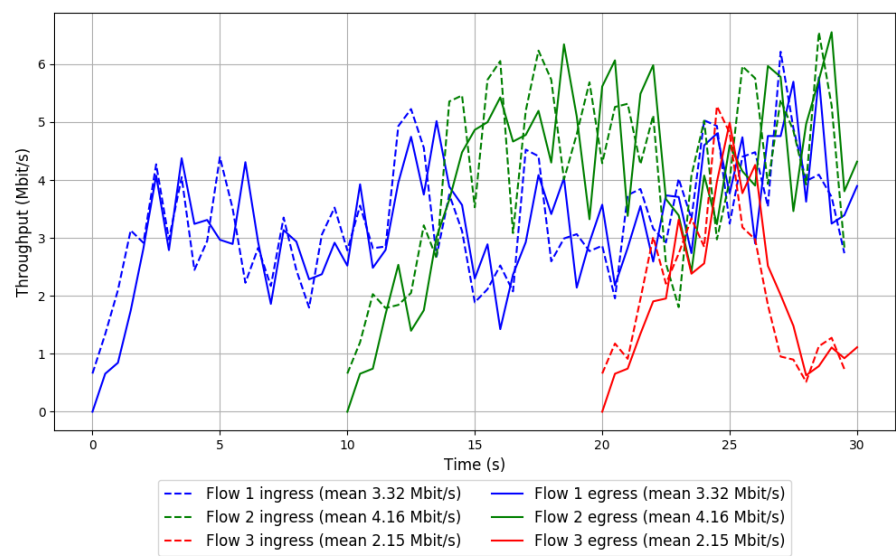


Run 2: Statistics of Sprout

Start at: 2018-05-22 03:50:53
End at: 2018-05-22 03:51:23
Local clock offset: -8.068 ms
Remote clock offset: 10.496 ms

Below is generated by plot.py at 2018-05-22 06:50:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.80 Mbit/s
95th percentile per-packet one-way delay: 95.491 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.32 Mbit/s
95th percentile per-packet one-way delay: 96.320 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.16 Mbit/s
95th percentile per-packet one-way delay: 92.266 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 94.033 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

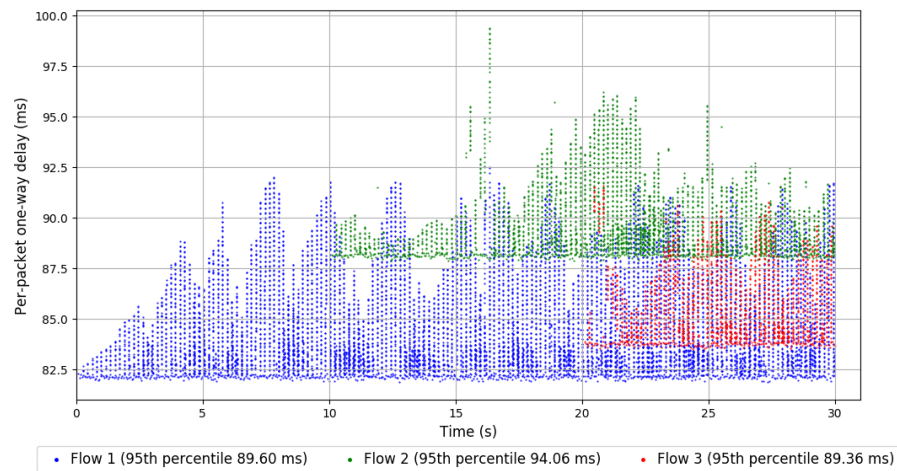
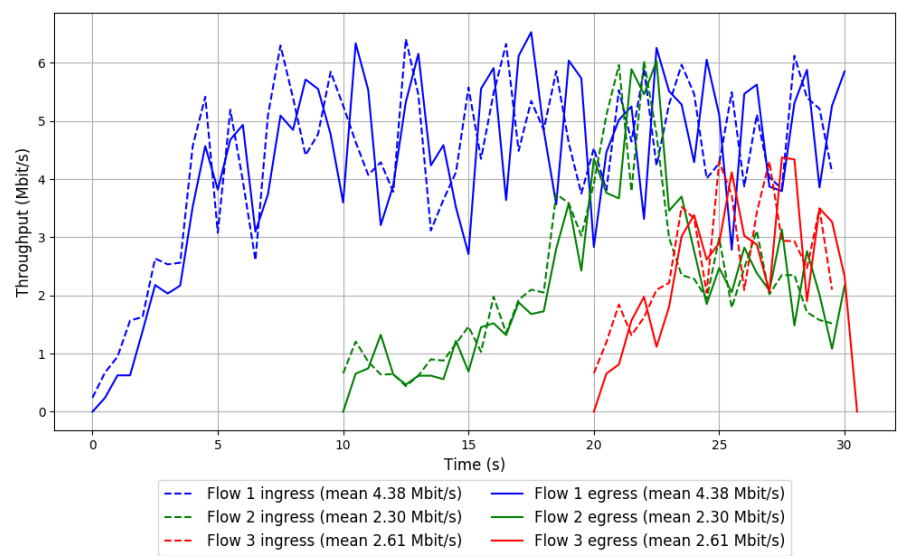


Run 3: Statistics of Sprout

Start at: 2018-05-22 04:10:34
End at: 2018-05-22 04:11:04
Local clock offset: -7.279 ms
Remote clock offset: 13.771 ms

```
# Below is generated by plot.py at 2018-05-22 06:50:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.76 Mbit/s
95th percentile per-packet one-way delay: 91.399 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.38 Mbit/s
95th percentile per-packet one-way delay: 89.604 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 94.064 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.61 Mbit/s
95th percentile per-packet one-way delay: 89.365 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

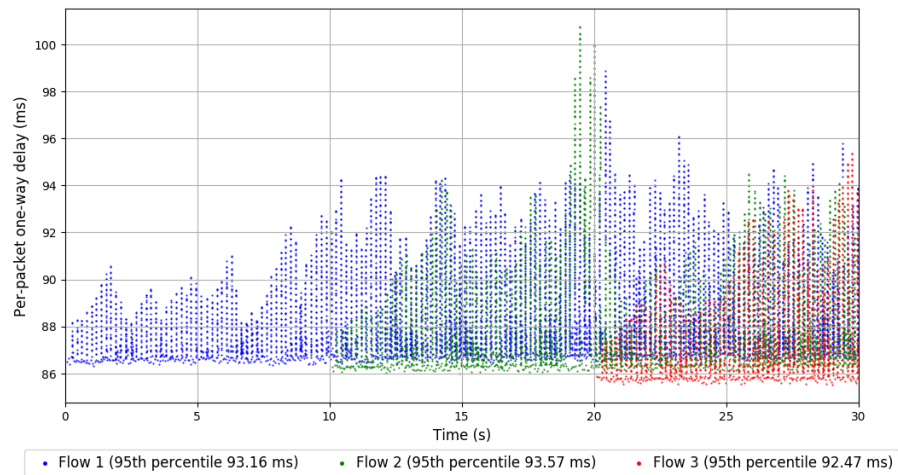
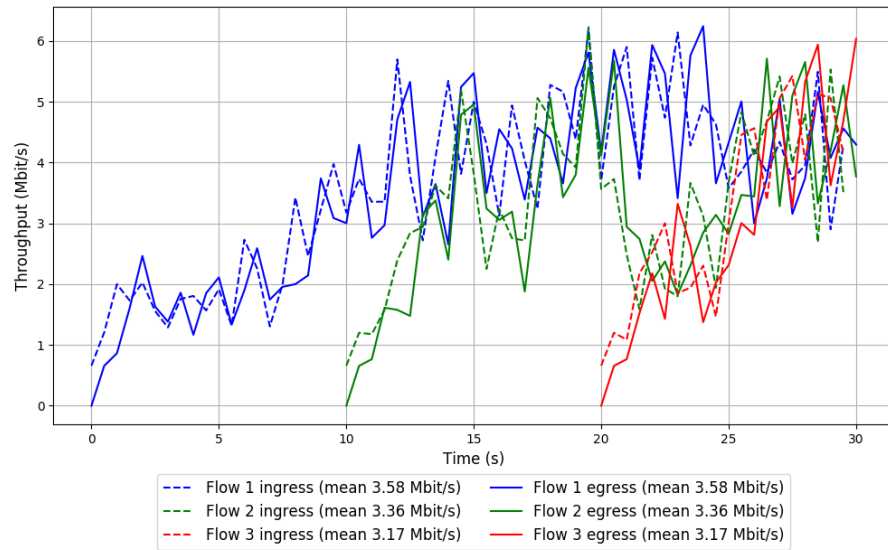


Run 4: Statistics of Sprout

Start at: 2018-05-22 04:30:16
End at: 2018-05-22 04:30:46
Local clock offset: -7.235 ms
Remote clock offset: 10.967 ms

```
# Below is generated by plot.py at 2018-05-22 06:50:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.86 Mbit/s
95th percentile per-packet one-way delay: 93.166 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.58 Mbit/s
95th percentile per-packet one-way delay: 93.161 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.36 Mbit/s
95th percentile per-packet one-way delay: 93.574 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.17 Mbit/s
95th percentile per-packet one-way delay: 92.465 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

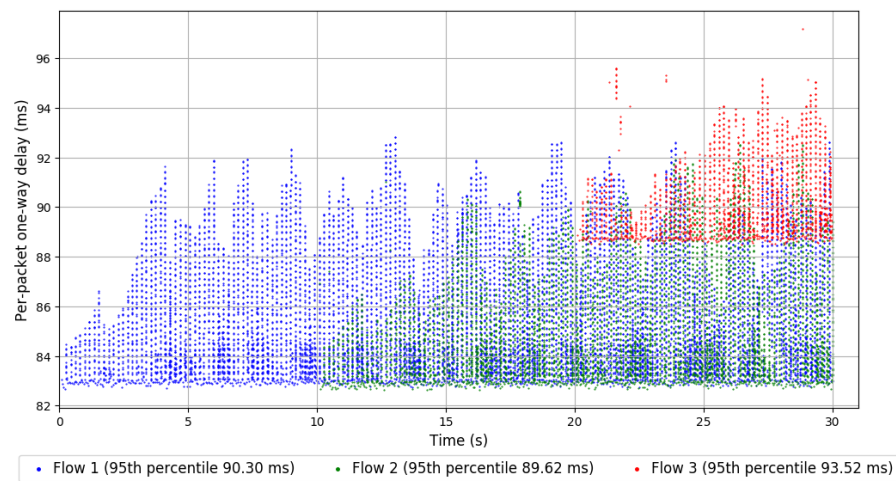
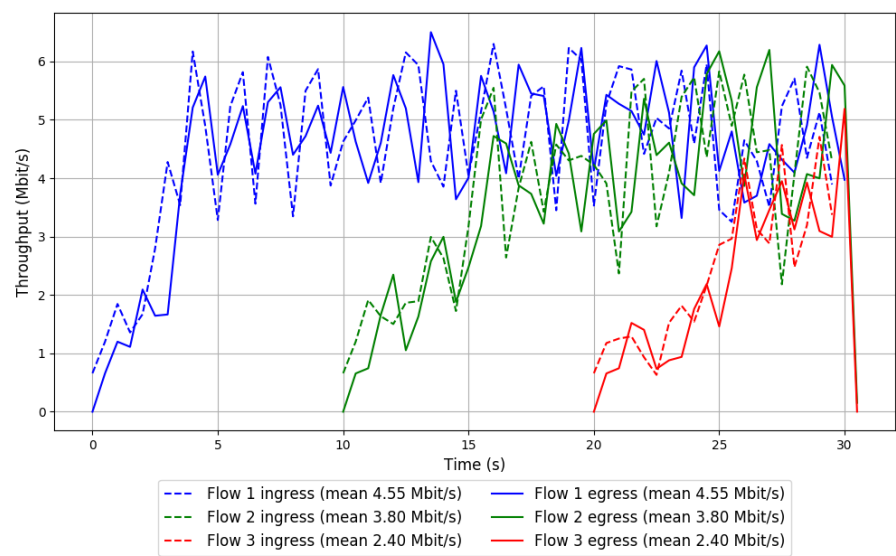


Run 5: Statistics of Sprout

Start at: 2018-05-22 04:49:56
End at: 2018-05-22 04:50:26
Local clock offset: -7.015 ms
Remote clock offset: 6.729 ms

```
# Below is generated by plot.py at 2018-05-22 06:50:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.87 Mbit/s
95th percentile per-packet one-way delay: 91.028 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.55 Mbit/s
95th percentile per-packet one-way delay: 90.304 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 89.617 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 93.516 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

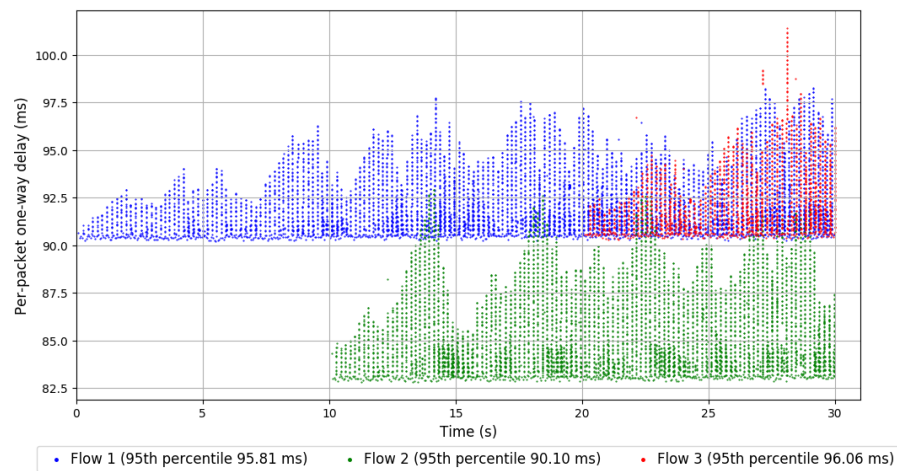
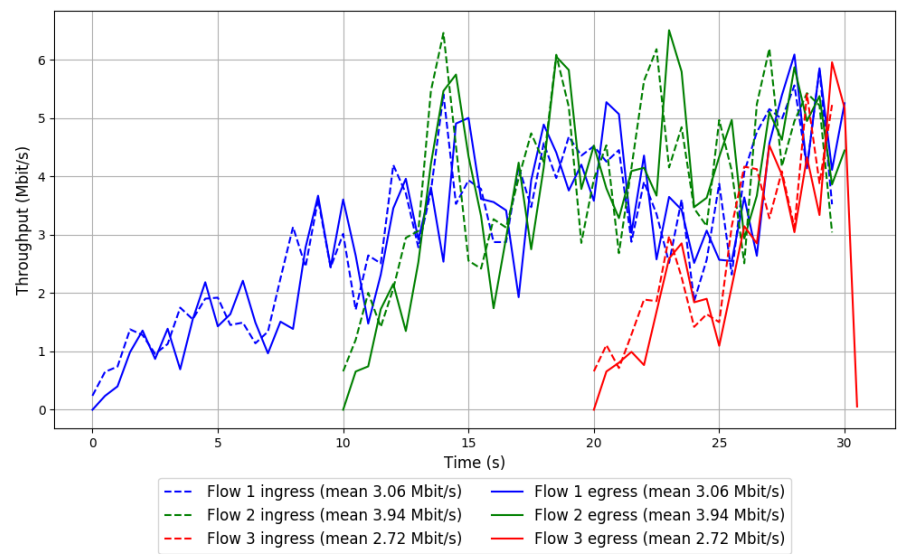


Run 6: Statistics of Sprout

Start at: 2018-05-22 05:09:38
End at: 2018-05-22 05:10:08
Local clock offset: -3.382 ms
Remote clock offset: 7.129 ms

```
# Below is generated by plot.py at 2018-05-22 06:50:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.58 Mbit/s
95th percentile per-packet one-way delay: 95.295 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 95.813 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 90.100 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.72 Mbit/s
95th percentile per-packet one-way delay: 96.060 ms
Loss rate: 0.04%
```

Run 6: Report of Sprout — Data Link

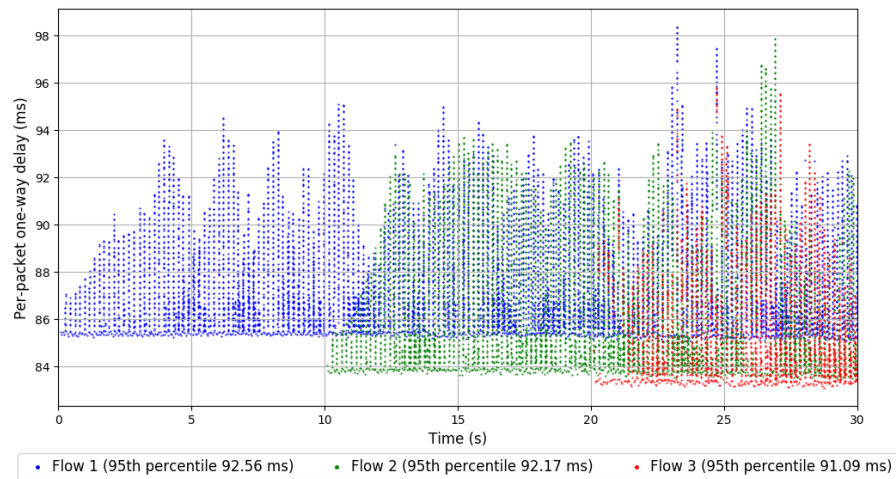
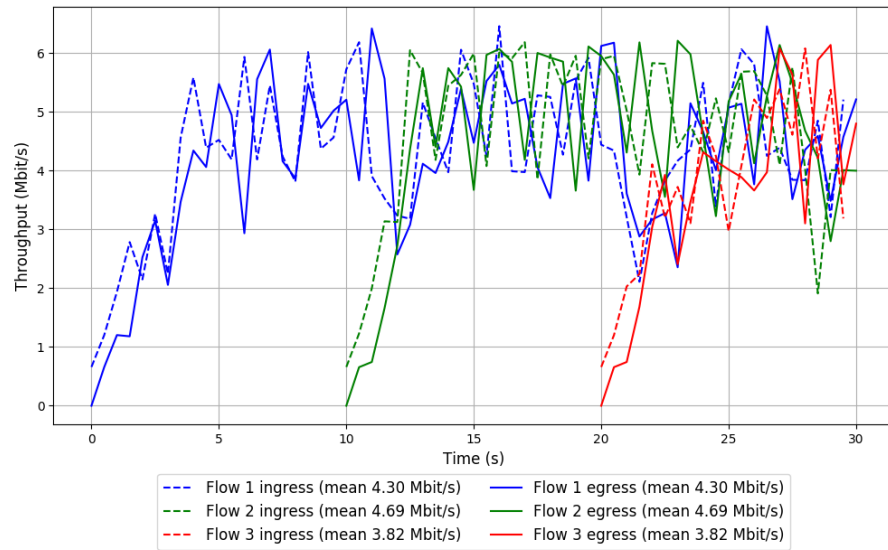


Run 7: Statistics of Sprout

Start at: 2018-05-22 05:29:23
End at: 2018-05-22 05:29:53
Local clock offset: -2.013 ms
Remote clock offset: 7.791 ms

```
# Below is generated by plot.py at 2018-05-22 06:50:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.68 Mbit/s
95th percentile per-packet one-way delay: 92.313 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 92.560 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.69 Mbit/s
95th percentile per-packet one-way delay: 92.169 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.82 Mbit/s
95th percentile per-packet one-way delay: 91.088 ms
Loss rate: 0.03%
```

Run 7: Report of Sprout — Data Link

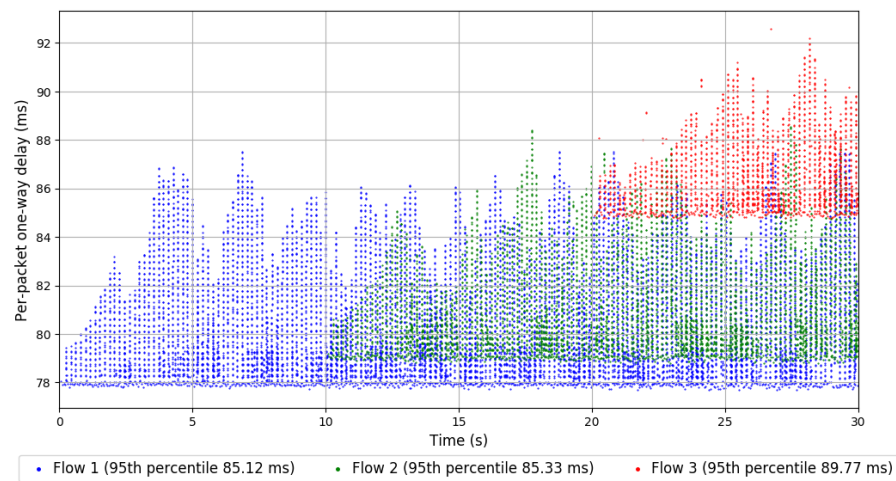
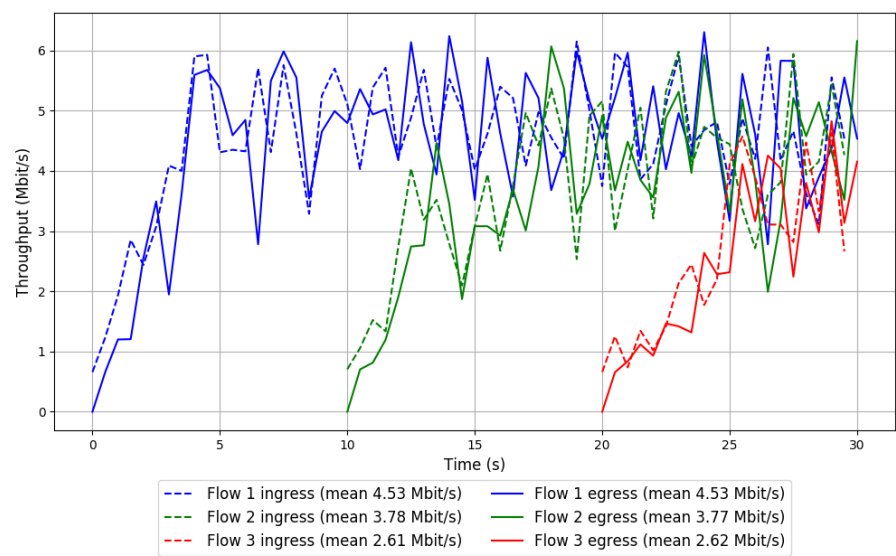


Run 8: Statistics of Sprout

Start at: 2018-05-22 05:49:03
End at: 2018-05-22 05:49:33
Local clock offset: -1.397 ms
Remote clock offset: 9.033 ms

```
# Below is generated by plot.py at 2018-05-22 06:50:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.90 Mbit/s
95th percentile per-packet one-way delay: 86.919 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 4.53 Mbit/s
95th percentile per-packet one-way delay: 85.117 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.77 Mbit/s
95th percentile per-packet one-way delay: 85.332 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 2.62 Mbit/s
95th percentile per-packet one-way delay: 89.771 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

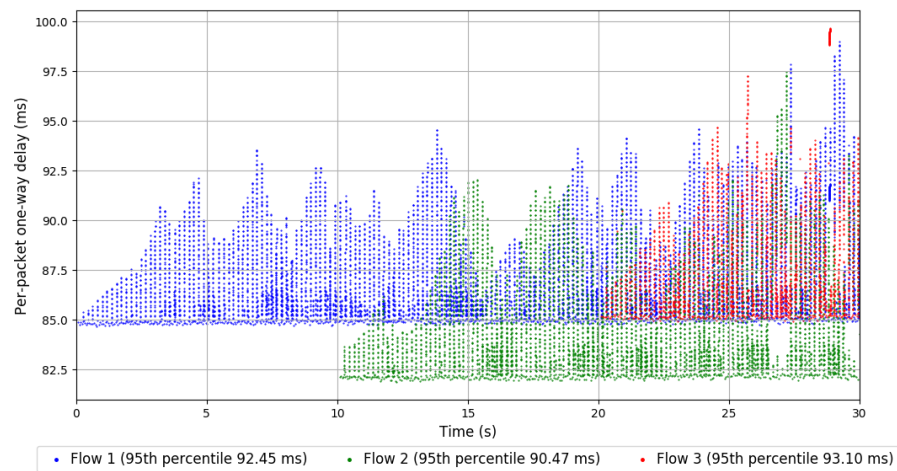
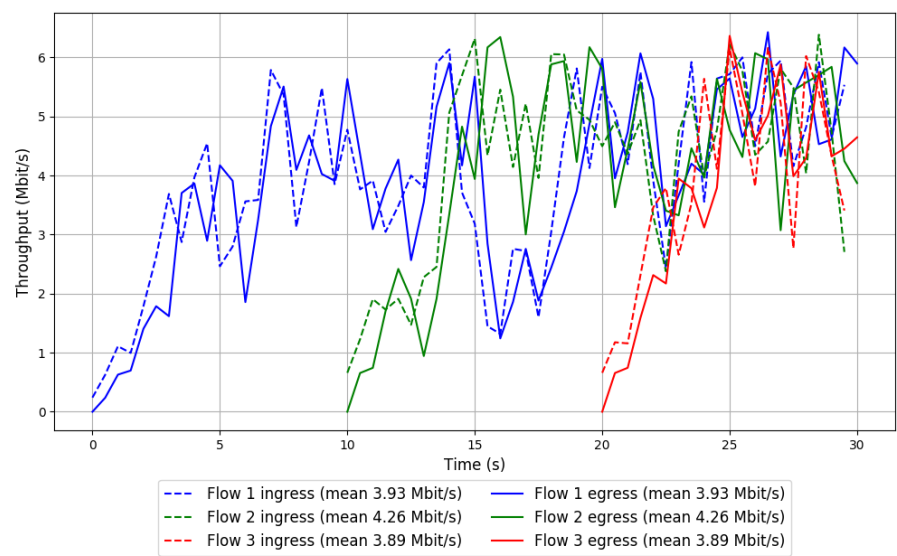


Run 9: Statistics of Sprout

Start at: 2018-05-22 06:08:45
End at: 2018-05-22 06:09:15
Local clock offset: -5.744 ms
Remote clock offset: 11.928 ms

```
# Below is generated by plot.py at 2018-05-22 06:50:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.05 Mbit/s
95th percentile per-packet one-way delay: 92.145 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 92.450 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 90.469 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 93.099 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

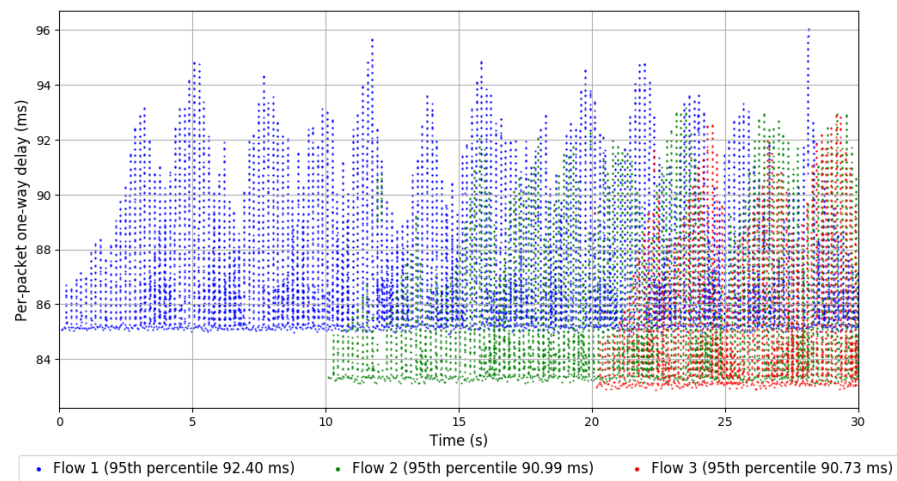
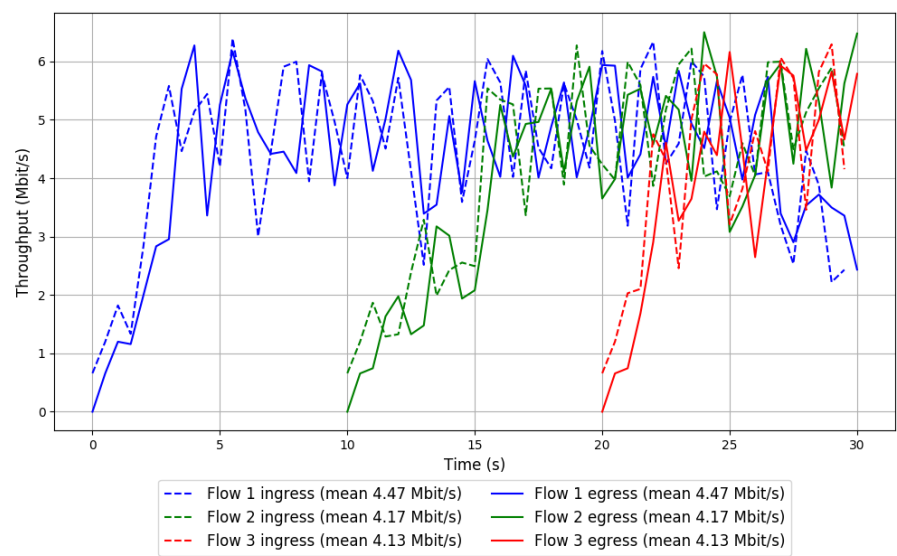


Run 10: Statistics of Sprout

Start at: 2018-05-22 06:29:10
End at: 2018-05-22 06:29:40
Local clock offset: -9.517 ms
Remote clock offset: 6.436 ms

```
# Below is generated by plot.py at 2018-05-22 06:50:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.61 Mbit/s
95th percentile per-packet one-way delay: 91.817 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.47 Mbit/s
95th percentile per-packet one-way delay: 92.397 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.17 Mbit/s
95th percentile per-packet one-way delay: 90.987 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: 90.734 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

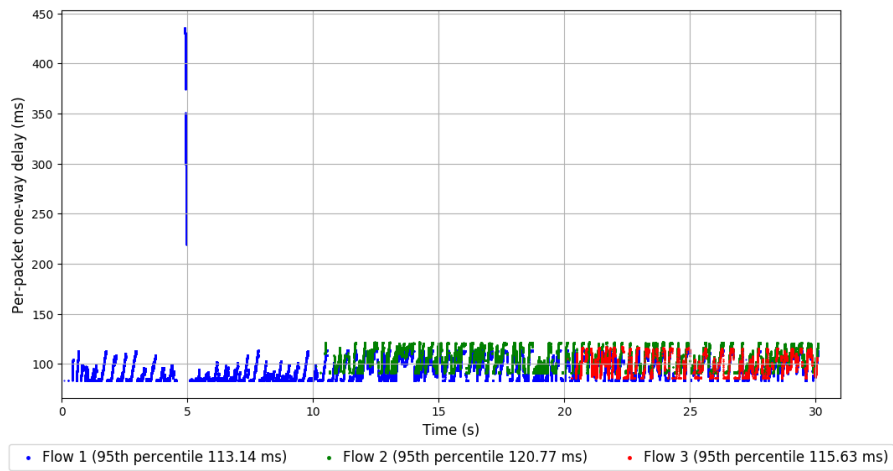
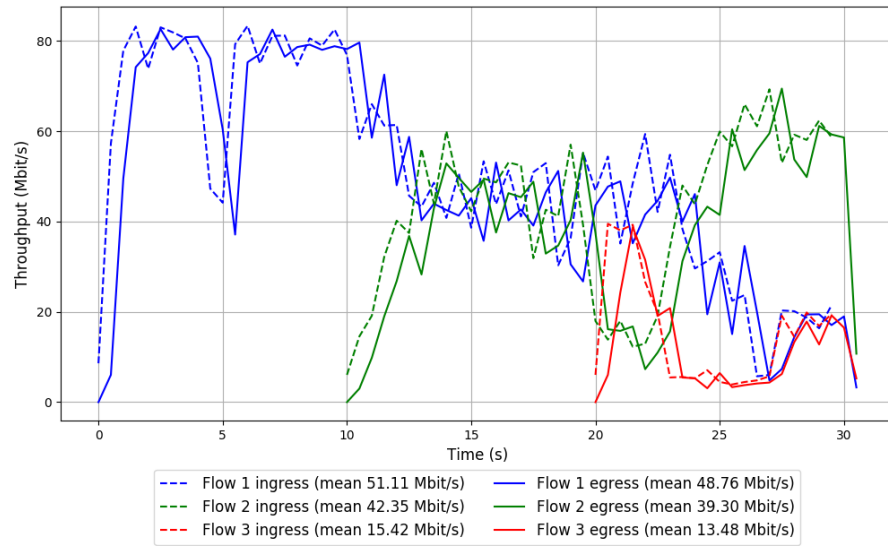


Run 1: Statistics of TaoVA-100x

Start at: 2018-05-22 03:33:34
End at: 2018-05-22 03:34:04
Local clock offset: -4.337 ms
Remote clock offset: 10.265 ms

Below is generated by plot.py at 2018-05-22 06:51:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.36 Mbit/s
95th percentile per-packet one-way delay: 120.314 ms
Loss rate: 5.89%
-- Flow 1:
Average throughput: 48.76 Mbit/s
95th percentile per-packet one-way delay: 113.139 ms
Loss rate: 4.52%
-- Flow 2:
Average throughput: 39.30 Mbit/s
95th percentile per-packet one-way delay: 120.767 ms
Loss rate: 7.15%
-- Flow 3:
Average throughput: 13.48 Mbit/s
95th percentile per-packet one-way delay: 115.626 ms
Loss rate: 12.58%

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

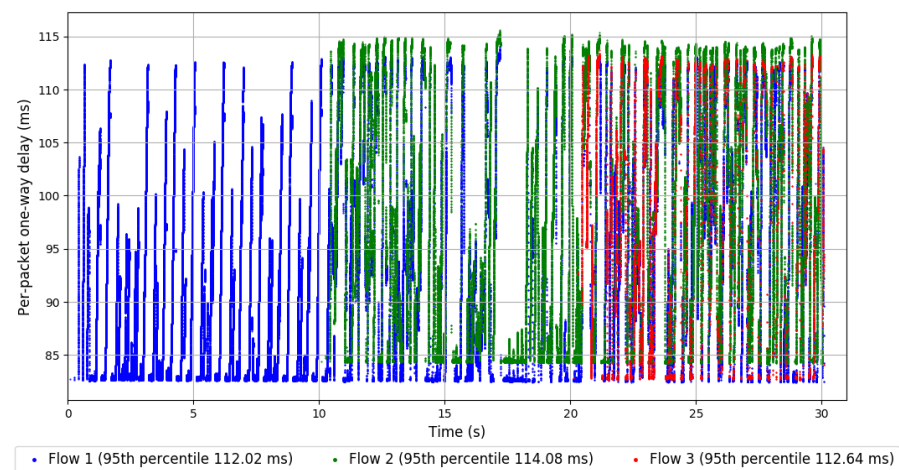
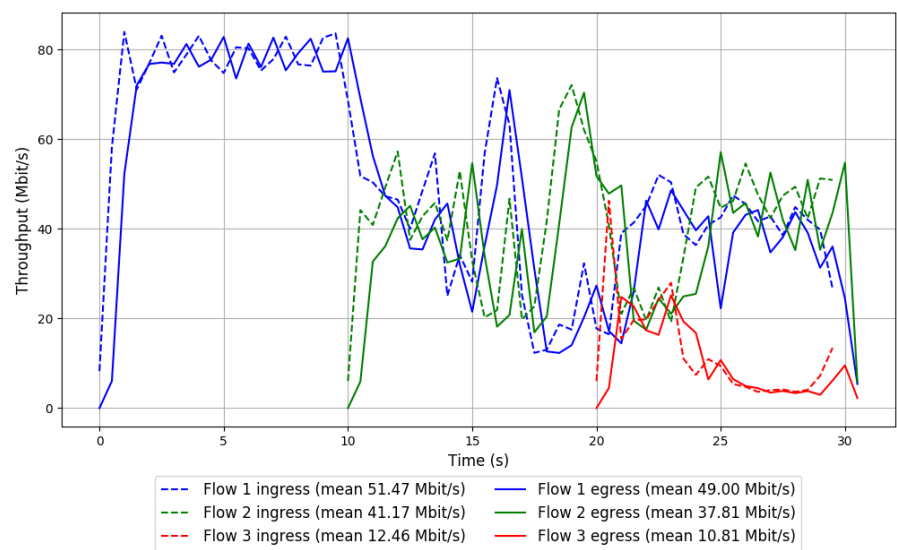


Run 2: Statistics of TaoVA-100x

Start at: 2018-05-22 03:53:14
End at: 2018-05-22 03:53:44
Local clock offset: -7.508 ms
Remote clock offset: 11.266 ms

Below is generated by plot.py at 2018-05-22 06:51:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.75 Mbit/s
95th percentile per-packet one-way delay: 112.945 ms
Loss rate: 6.32%
-- Flow 1:
Average throughput: 49.00 Mbit/s
95th percentile per-packet one-way delay: 112.015 ms
Loss rate: 4.80%
-- Flow 2:
Average throughput: 37.81 Mbit/s
95th percentile per-packet one-way delay: 114.079 ms
Loss rate: 8.11%
-- Flow 3:
Average throughput: 10.81 Mbit/s
95th percentile per-packet one-way delay: 112.645 ms
Loss rate: 13.28%

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

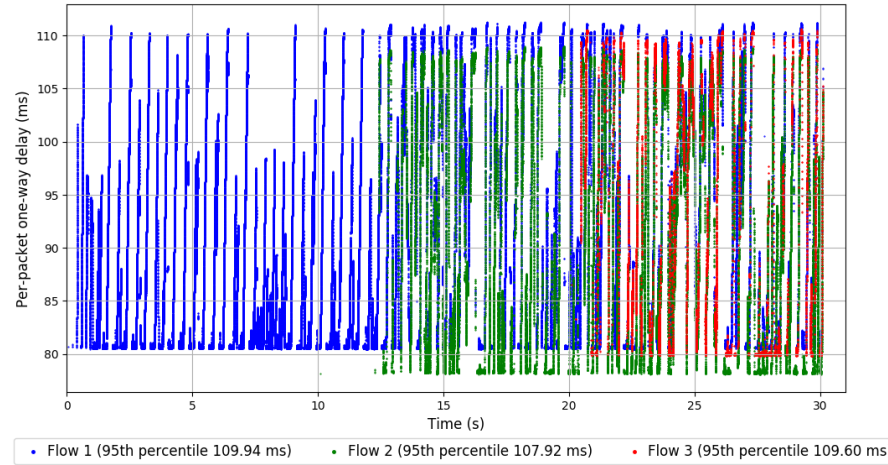
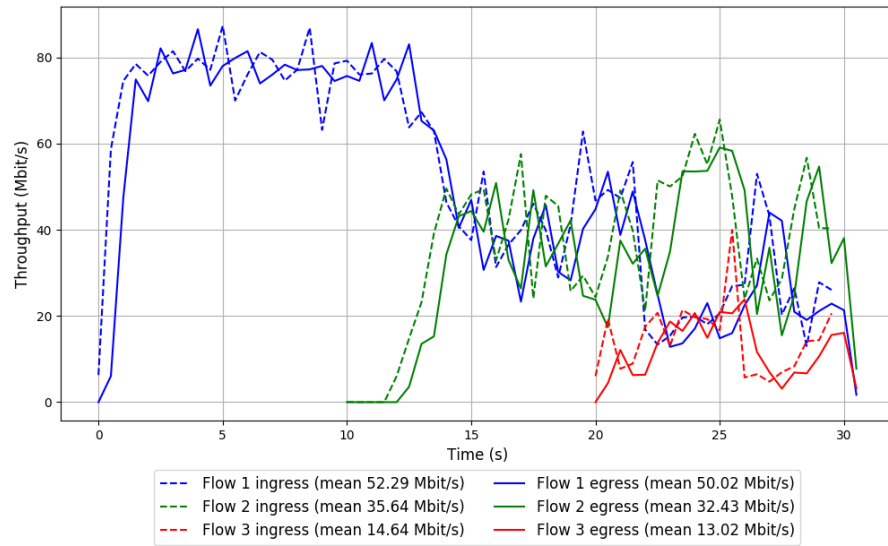


Run 3: Statistics of TaoVA-100x

Start at: 2018-05-22 04:12:55
End at: 2018-05-22 04:13:25
Local clock offset: -7.228 ms
Remote clock offset: 10.052 ms

Below is generated by plot.py at 2018-05-22 06:51:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.97 Mbit/s
95th percentile per-packet one-way delay: 109.557 ms
Loss rate: 6.01%
-- Flow 1:
Average throughput: 50.02 Mbit/s
95th percentile per-packet one-way delay: 109.938 ms
Loss rate: 4.25%
-- Flow 2:
Average throughput: 32.43 Mbit/s
95th percentile per-packet one-way delay: 107.917 ms
Loss rate: 8.90%
-- Flow 3:
Average throughput: 13.02 Mbit/s
95th percentile per-packet one-way delay: 109.604 ms
Loss rate: 10.88%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-05-22 04:32:37

End at: 2018-05-22 04:33:07

Local clock offset: -7.136 ms

Remote clock offset: 8.562 ms

Below is generated by plot.py at 2018-05-22 06:51:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.69 Mbit/s

95th percentile per-packet one-way delay: 117.148 ms

Loss rate: 6.36%

-- Flow 1:

Average throughput: 52.42 Mbit/s

95th percentile per-packet one-way delay: 117.485 ms

Loss rate: 5.10%

-- Flow 2:

Average throughput: 29.12 Mbit/s

95th percentile per-packet one-way delay: 113.820 ms

Loss rate: 8.56%

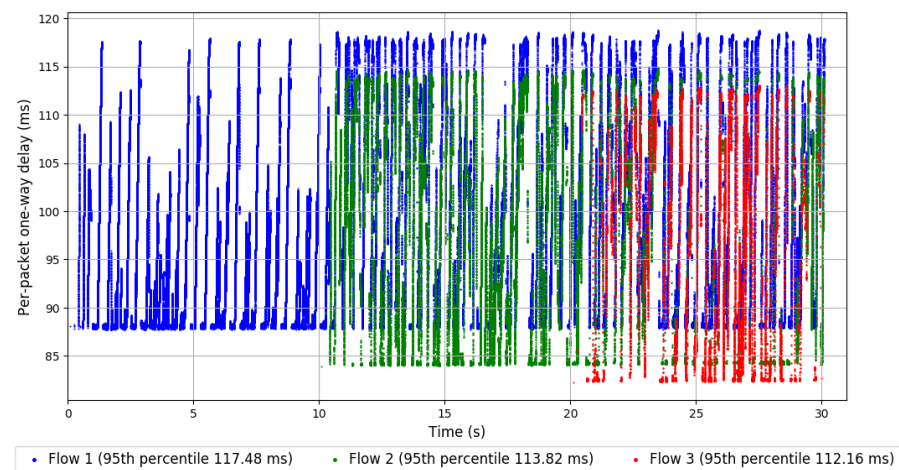
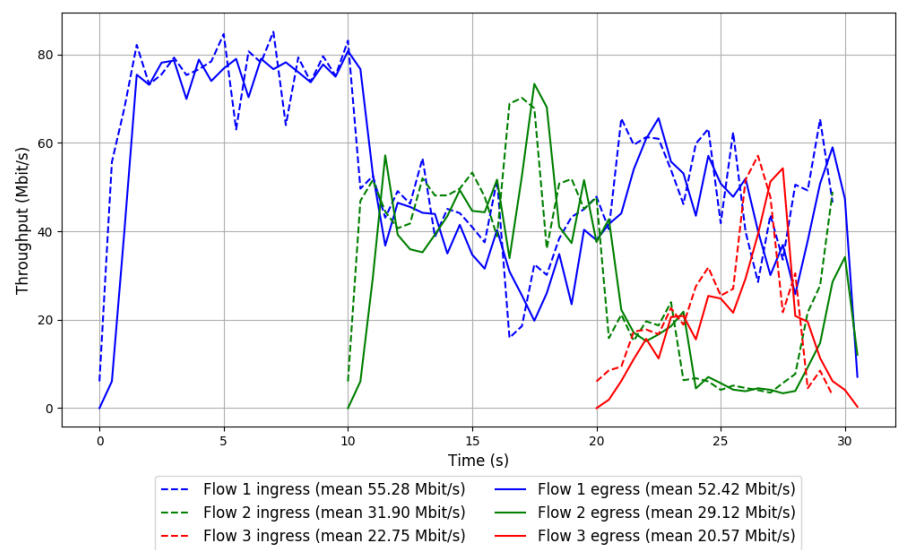
-- Flow 3:

Average throughput: 20.57 Mbit/s

95th percentile per-packet one-way delay: 112.158 ms

Loss rate: 9.35%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-05-22 04:52:18

End at: 2018-05-22 04:52:48

Local clock offset: -7.87 ms

Remote clock offset: 7.253 ms

Below is generated by plot.py at 2018-05-22 06:51:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.28 Mbit/s

95th percentile per-packet one-way delay: 121.266 ms

Loss rate: 6.39%

-- Flow 1:

Average throughput: 52.81 Mbit/s

95th percentile per-packet one-way delay: 121.469 ms

Loss rate: 4.86%

-- Flow 2:

Average throughput: 24.27 Mbit/s

95th percentile per-packet one-way delay: 116.232 ms

Loss rate: 9.03%

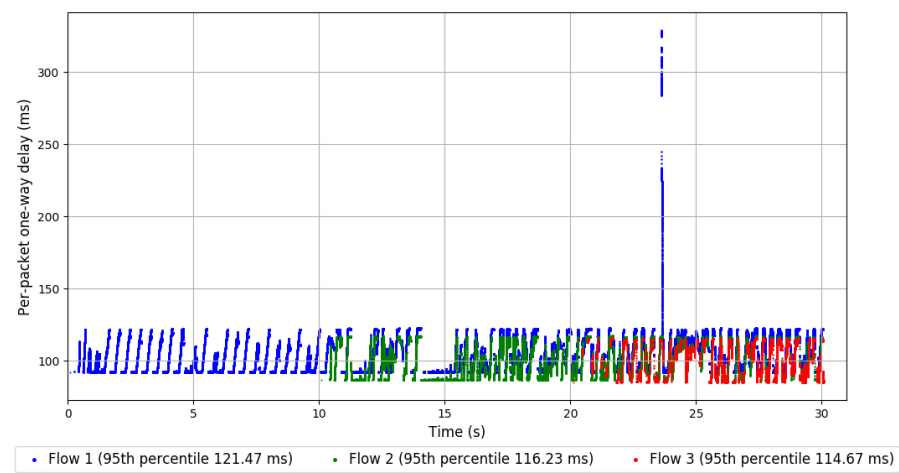
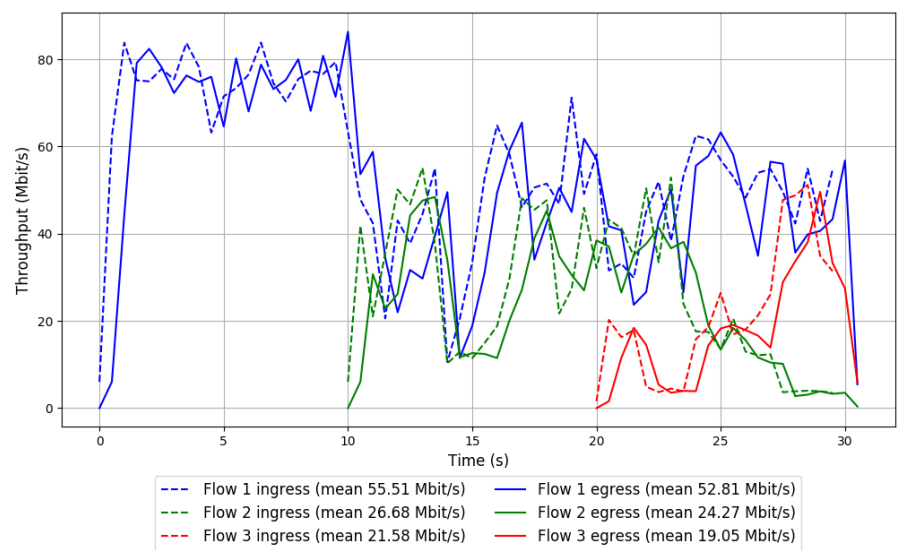
-- Flow 3:

Average throughput: 19.05 Mbit/s

95th percentile per-packet one-way delay: 114.673 ms

Loss rate: 11.70%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-05-22 05:12:00

End at: 2018-05-22 05:12:30

Local clock offset: -3.754 ms

Remote clock offset: 7.188 ms

Below is generated by plot.py at 2018-05-22 06:51:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.07 Mbit/s

95th percentile per-packet one-way delay: 120.568 ms

Loss rate: 5.47%

-- Flow 1:

Average throughput: 57.57 Mbit/s

95th percentile per-packet one-way delay: 120.650 ms

Loss rate: 3.70%

-- Flow 2:

Average throughput: 28.71 Mbit/s

95th percentile per-packet one-way delay: 115.492 ms

Loss rate: 9.21%

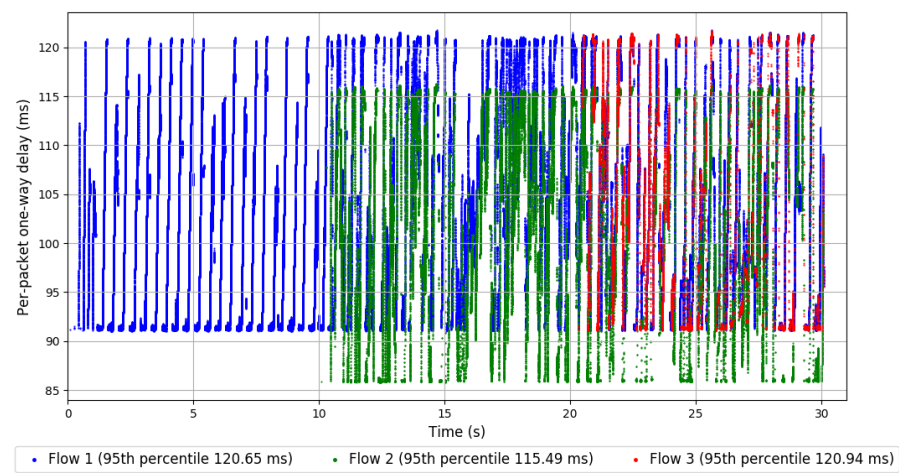
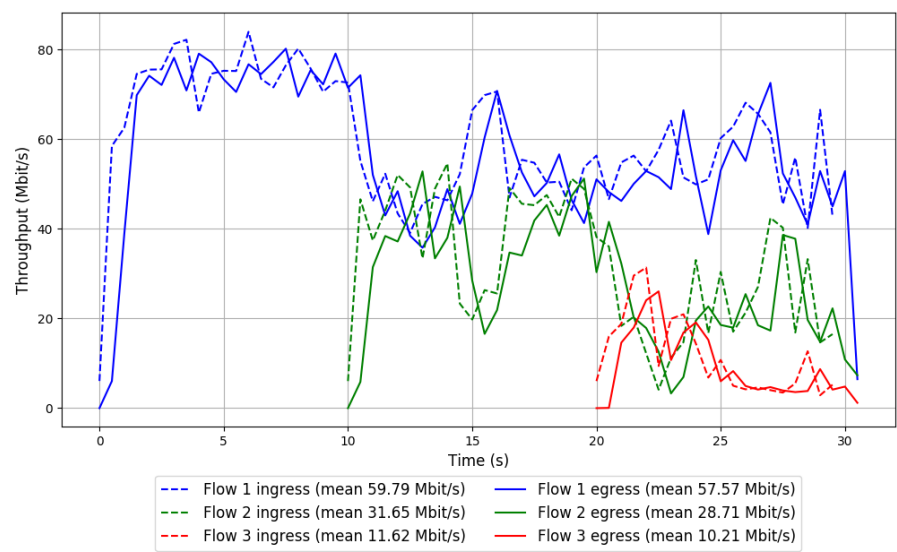
-- Flow 3:

Average throughput: 10.21 Mbit/s

95th percentile per-packet one-way delay: 120.937 ms

Loss rate: 12.39%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-05-22 05:31:45

End at: 2018-05-22 05:32:15

Local clock offset: -1.386 ms

Remote clock offset: 3.809 ms

Below is generated by plot.py at 2018-05-22 06:51:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.79 Mbit/s

95th percentile per-packet one-way delay: 107.676 ms

Loss rate: 5.40%

-- Flow 1:

Average throughput: 46.66 Mbit/s

95th percentile per-packet one-way delay: 106.870 ms

Loss rate: 4.01%

-- Flow 2:

Average throughput: 39.05 Mbit/s

95th percentile per-packet one-way delay: 108.756 ms

Loss rate: 6.68%

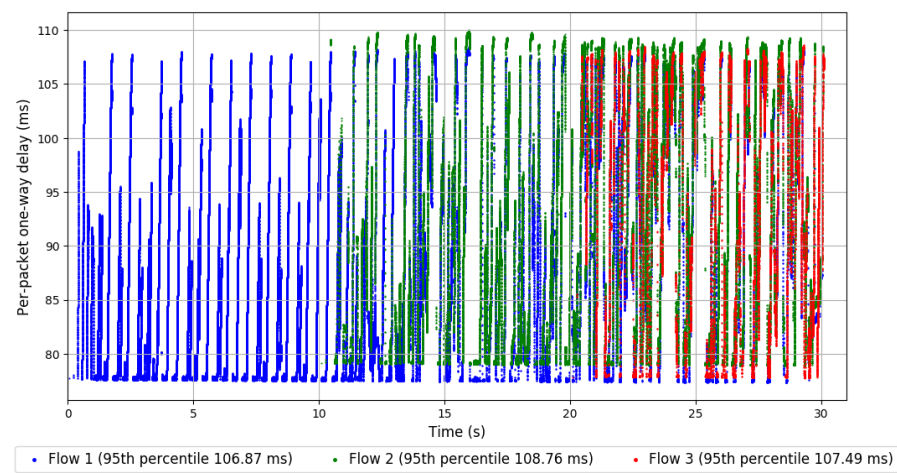
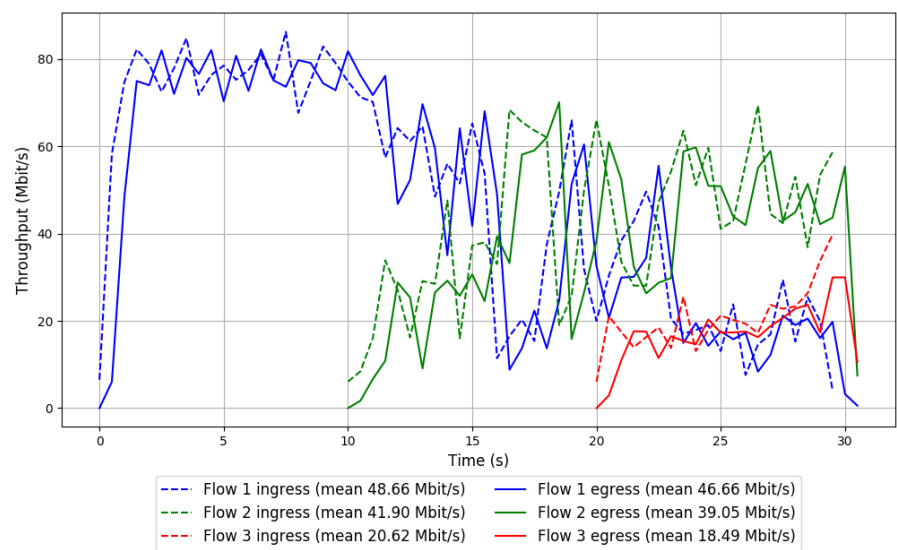
-- Flow 3:

Average throughput: 18.49 Mbit/s

95th percentile per-packet one-way delay: 107.494 ms

Loss rate: 10.08%

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

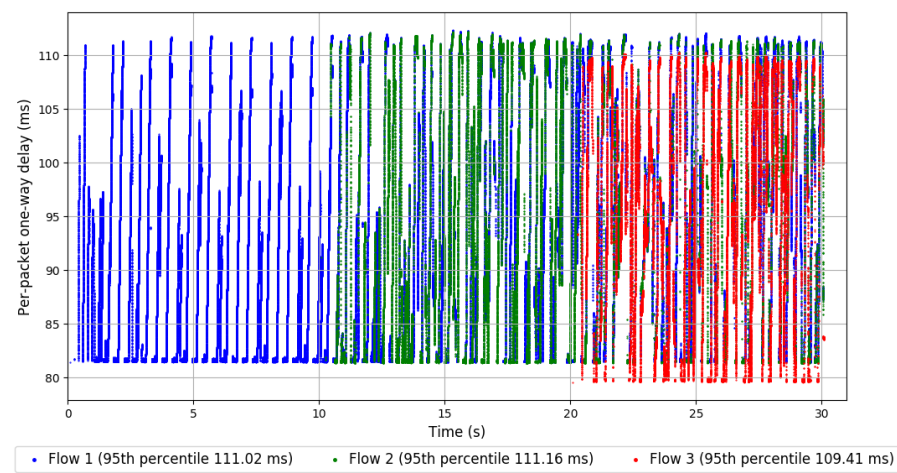
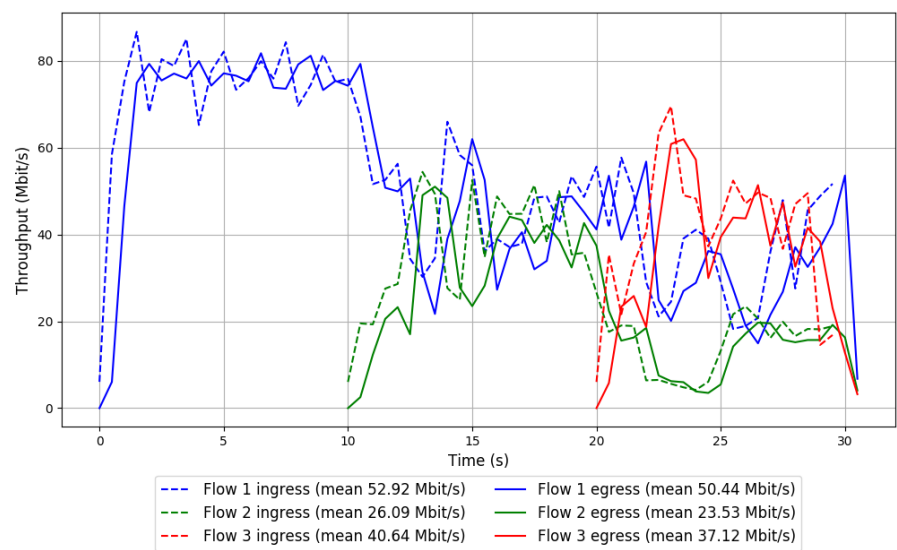


Run 8: Statistics of TaoVA-100x

Start at: 2018-05-22 05:51:25
End at: 2018-05-22 05:51:55
Local clock offset: -2.948 ms
Remote clock offset: 10.119 ms

Below is generated by plot.py at 2018-05-22 06:51:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.43 Mbit/s
95th percentile per-packet one-way delay: 110.982 ms
Loss rate: 6.38%
-- Flow 1:
Average throughput: 50.44 Mbit/s
95th percentile per-packet one-way delay: 111.022 ms
Loss rate: 4.67%
-- Flow 2:
Average throughput: 23.53 Mbit/s
95th percentile per-packet one-way delay: 111.160 ms
Loss rate: 9.86%
-- Flow 3:
Average throughput: 37.12 Mbit/s
95th percentile per-packet one-way delay: 109.408 ms
Loss rate: 8.64%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-05-22 06:11:06

End at: 2018-05-22 06:11:36

Local clock offset: -6.181 ms

Remote clock offset: 7.066 ms

Below is generated by plot.py at 2018-05-22 06:53:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.31 Mbit/s

95th percentile per-packet one-way delay: 109.384 ms

Loss rate: 4.73%

-- Flow 1:

Average throughput: 49.49 Mbit/s

95th percentile per-packet one-way delay: 109.481 ms

Loss rate: 3.33%

-- Flow 2:

Average throughput: 35.63 Mbit/s

95th percentile per-packet one-way delay: 109.108 ms

Loss rate: 6.66%

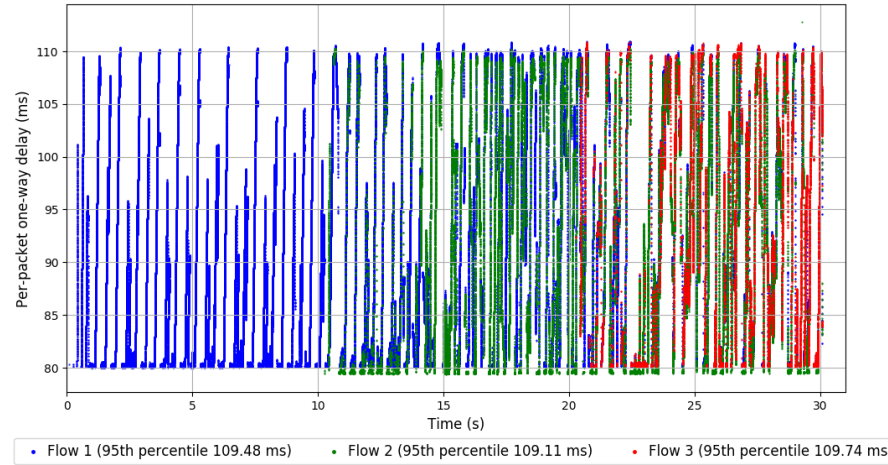
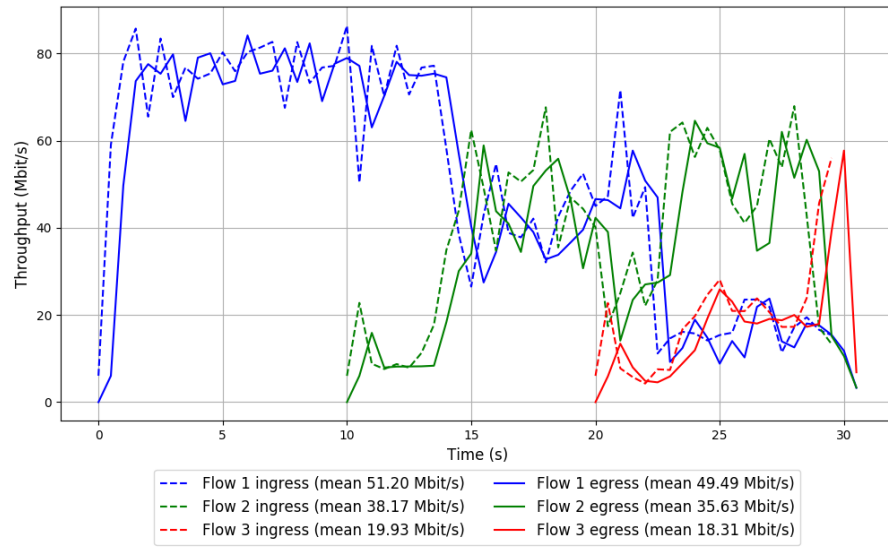
-- Flow 3:

Average throughput: 18.31 Mbit/s

95th percentile per-packet one-way delay: 109.741 ms

Loss rate: 8.08%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-05-22 06:31:31

End at: 2018-05-22 06:32:01

Local clock offset: -9.59 ms

Remote clock offset: 6.972 ms

Below is generated by plot.py at 2018-05-22 06:53:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.93 Mbit/s

95th percentile per-packet one-way delay: 113.389 ms

Loss rate: 6.33%

-- Flow 1:

Average throughput: 43.12 Mbit/s

95th percentile per-packet one-way delay: 113.123 ms

Loss rate: 4.97%

-- Flow 2:

Average throughput: 30.59 Mbit/s

95th percentile per-packet one-way delay: 113.735 ms

Loss rate: 8.94%

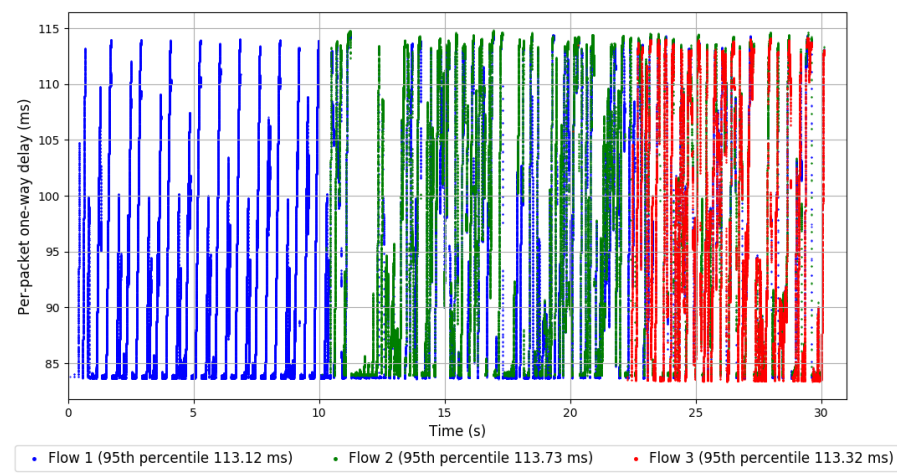
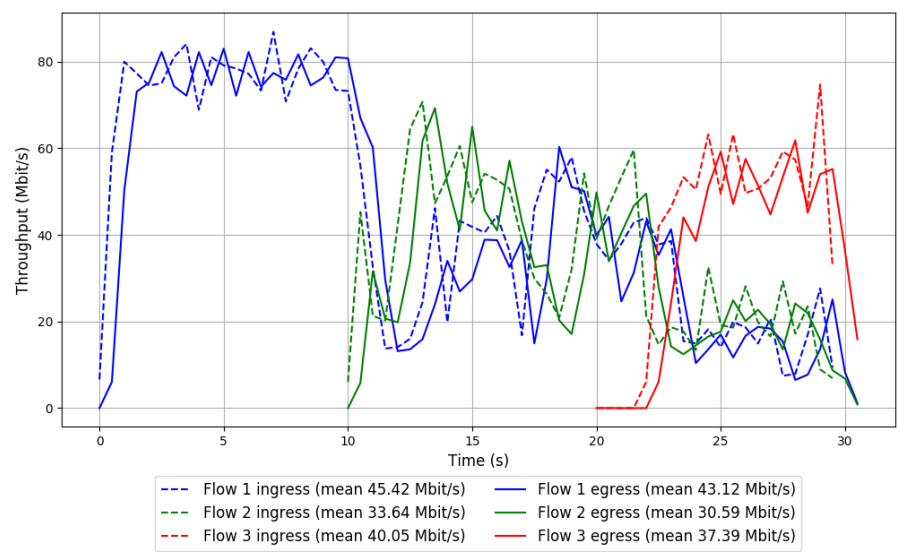
-- Flow 3:

Average throughput: 37.39 Mbit/s

95th percentile per-packet one-way delay: 113.323 ms

Loss rate: 6.57%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-05-22 03:28:49

End at: 2018-05-22 03:29:19

Local clock offset: -2.937 ms

Remote clock offset: 5.407 ms

Below is generated by plot.py at 2018-05-22 06:53:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 42.21 Mbit/s

95th percentile per-packet one-way delay: 89.888 ms

Loss rate: 0.88%

-- Flow 1:

Average throughput: 24.68 Mbit/s

95th percentile per-packet one-way delay: 86.672 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 10.83 Mbit/s

95th percentile per-packet one-way delay: 96.680 ms

Loss rate: 1.68%

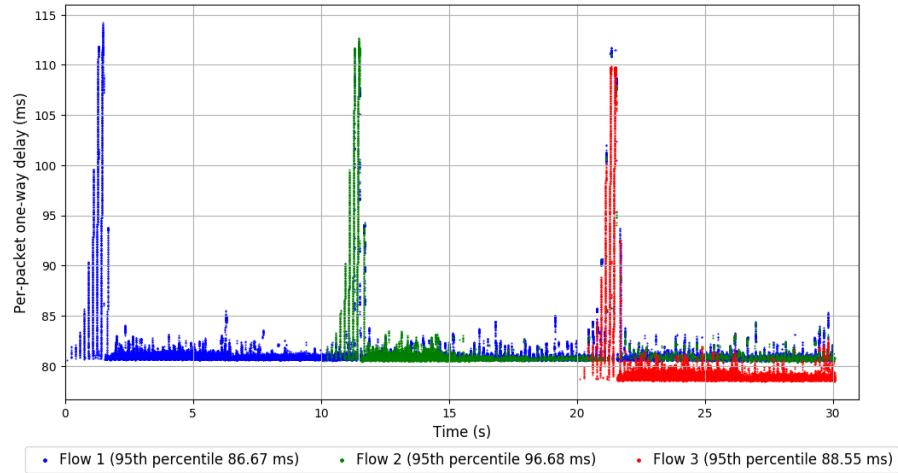
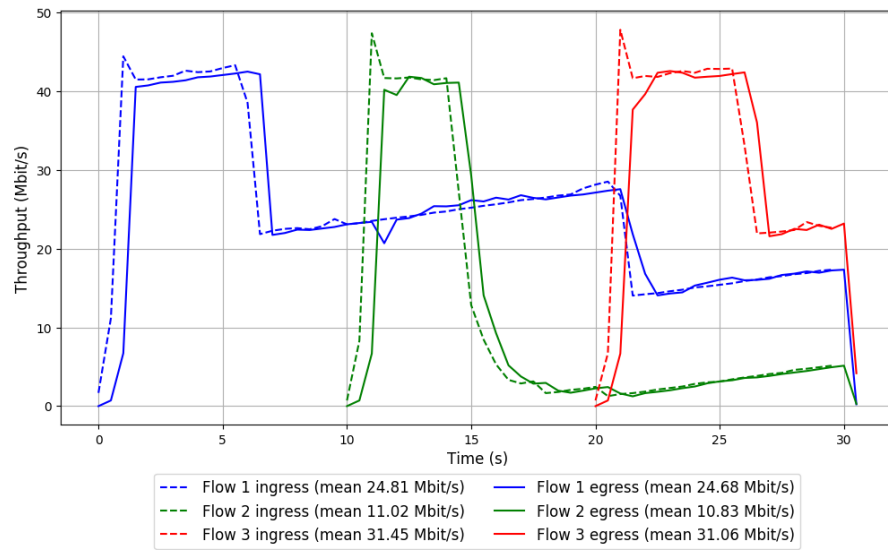
-- Flow 3:

Average throughput: 31.06 Mbit/s

95th percentile per-packet one-way delay: 88.547 ms

Loss rate: 1.22%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-05-22 03:48:30

End at: 2018-05-22 03:49:00

Local clock offset: -7.081 ms

Remote clock offset: 8.211 ms

Below is generated by plot.py at 2018-05-22 06:53:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.80 Mbit/s

95th percentile per-packet one-way delay: 90.270 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 27.95 Mbit/s

95th percentile per-packet one-way delay: 85.123 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 13.36 Mbit/s

95th percentile per-packet one-way delay: 97.832 ms

Loss rate: 1.42%

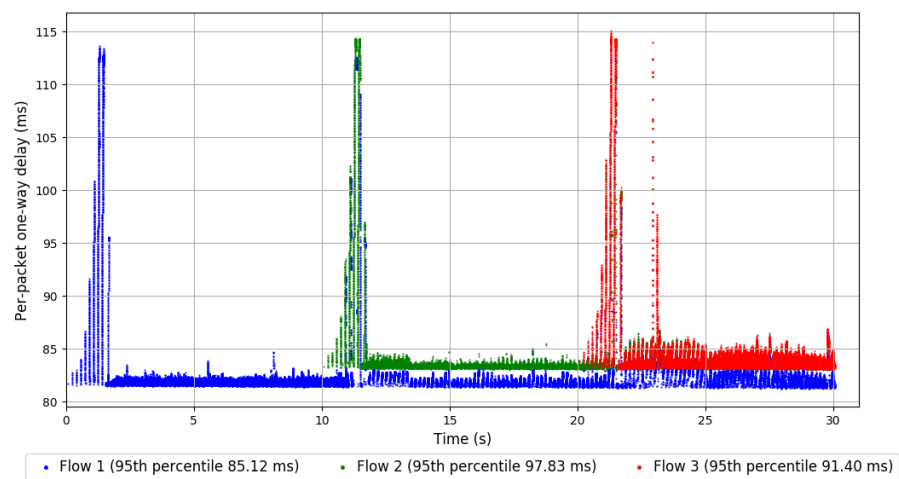
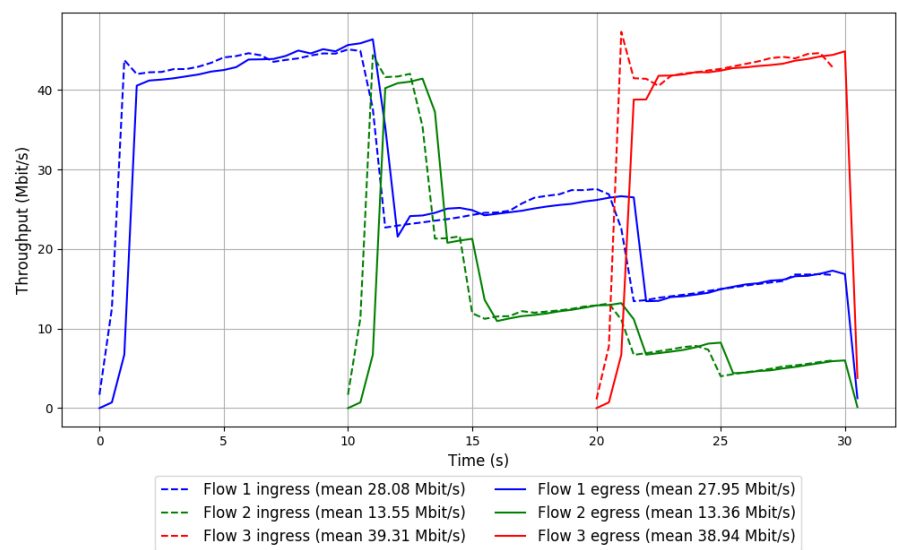
-- Flow 3:

Average throughput: 38.94 Mbit/s

95th percentile per-packet one-way delay: 91.402 ms

Loss rate: 0.94%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-05-22 04:08:09

End at: 2018-05-22 04:08:39

Local clock offset: -7.991 ms

Remote clock offset: 9.664 ms

Below is generated by plot.py at 2018-05-22 06:53:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.20 Mbit/s

95th percentile per-packet one-way delay: 88.049 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 29.21 Mbit/s

95th percentile per-packet one-way delay: 85.892 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 31.14 Mbit/s

95th percentile per-packet one-way delay: 89.683 ms

Loss rate: 0.63%

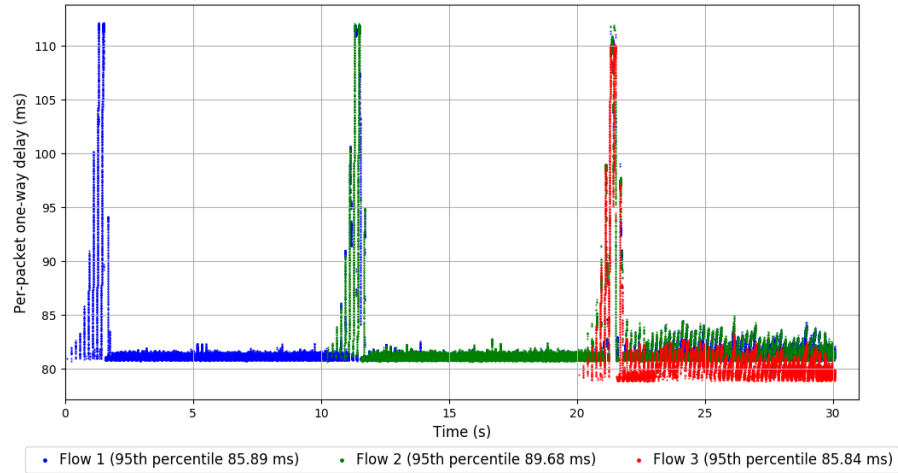
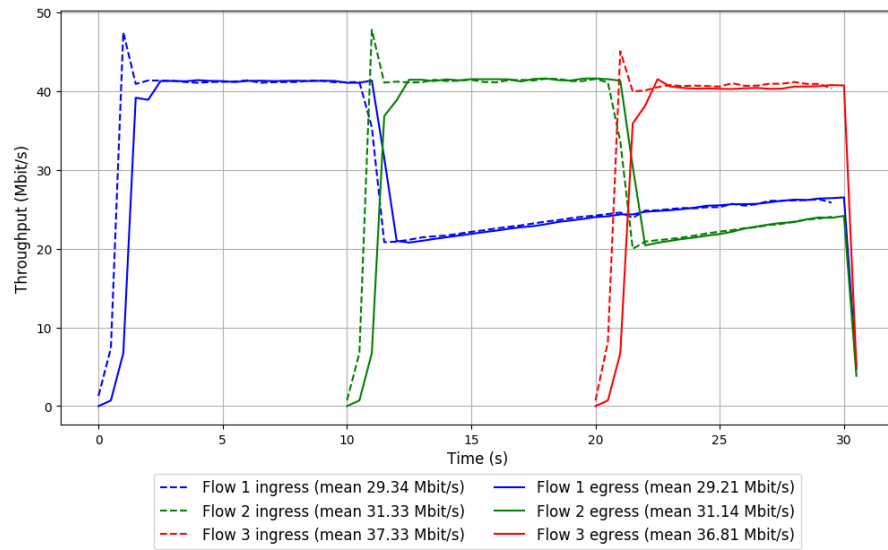
-- Flow 3:

Average throughput: 36.81 Mbit/s

95th percentile per-packet one-way delay: 85.838 ms

Loss rate: 1.40%

Run 3: Report of TCP Vegas — Data Link

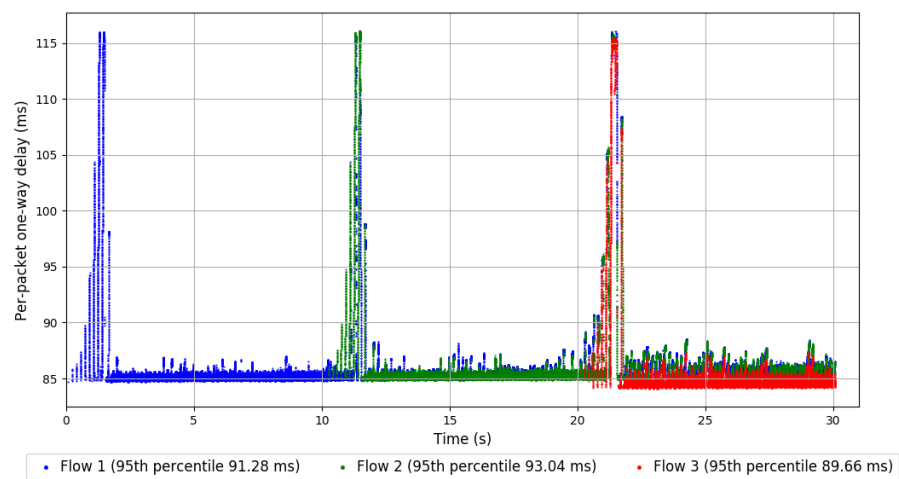
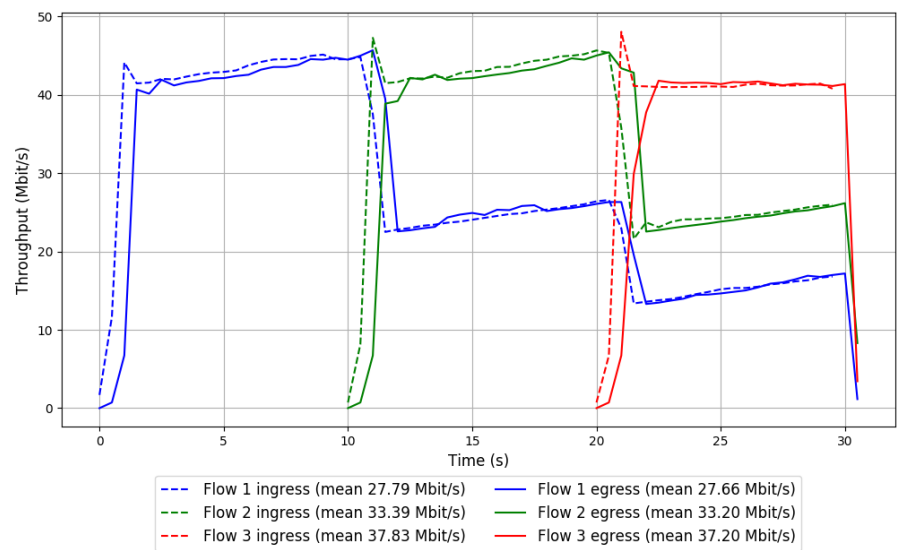


Run 4: Statistics of TCP Vegas

Start at: 2018-05-22 04:27:52
End at: 2018-05-22 04:28:22
Local clock offset: -7.404 ms
Remote clock offset: 11.063 ms

Below is generated by plot.py at 2018-05-22 06:53:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.13 Mbit/s
95th percentile per-packet one-way delay: 91.748 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 27.66 Mbit/s
95th percentile per-packet one-way delay: 91.279 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 33.20 Mbit/s
95th percentile per-packet one-way delay: 93.044 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 37.20 Mbit/s
95th percentile per-packet one-way delay: 89.661 ms
Loss rate: 1.69%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-05-22 04:47:33

End at: 2018-05-22 04:48:03

Local clock offset: -6.978 ms

Remote clock offset: 3.035 ms

Below is generated by plot.py at 2018-05-22 06:53:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 47.17 Mbit/s

95th percentile per-packet one-way delay: 87.983 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 19.47 Mbit/s

95th percentile per-packet one-way delay: 88.306 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 22.25 Mbit/s

95th percentile per-packet one-way delay: 89.784 ms

Loss rate: 0.86%

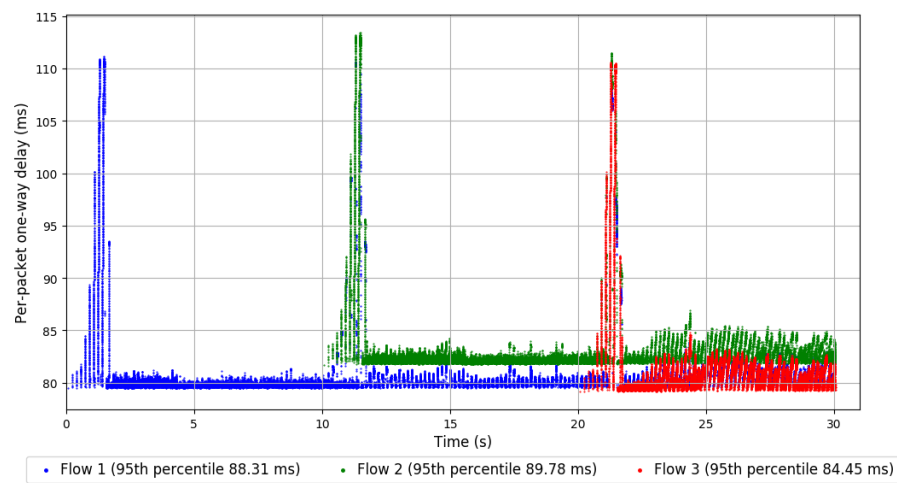
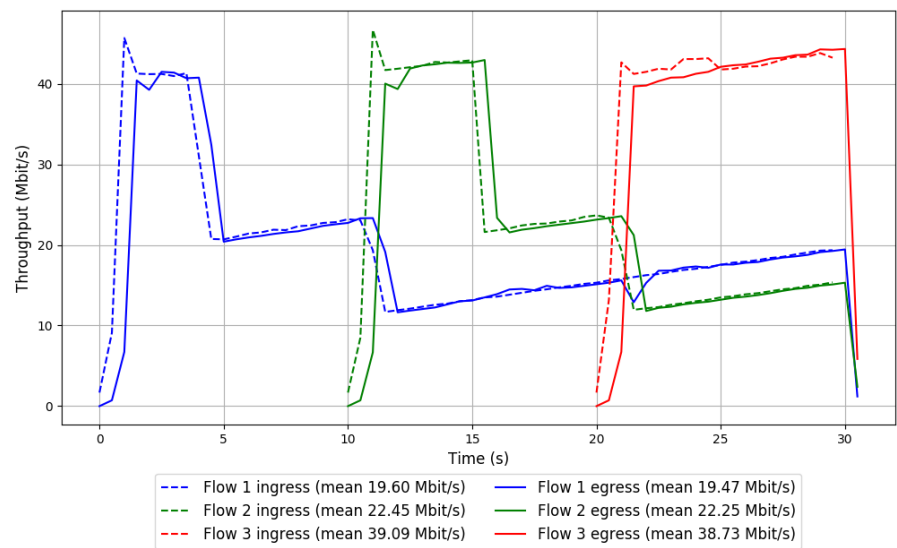
-- Flow 3:

Average throughput: 38.73 Mbit/s

95th percentile per-packet one-way delay: 84.447 ms

Loss rate: 0.92%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-05-22 05:07:14

End at: 2018-05-22 05:07:44

Local clock offset: -2.921 ms

Remote clock offset: 7.204 ms

Below is generated by plot.py at 2018-05-22 06:53:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.58 Mbit/s

95th percentile per-packet one-way delay: 92.471 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 27.62 Mbit/s

95th percentile per-packet one-way delay: 92.685 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 31.62 Mbit/s

95th percentile per-packet one-way delay: 93.651 ms

Loss rate: 0.58%

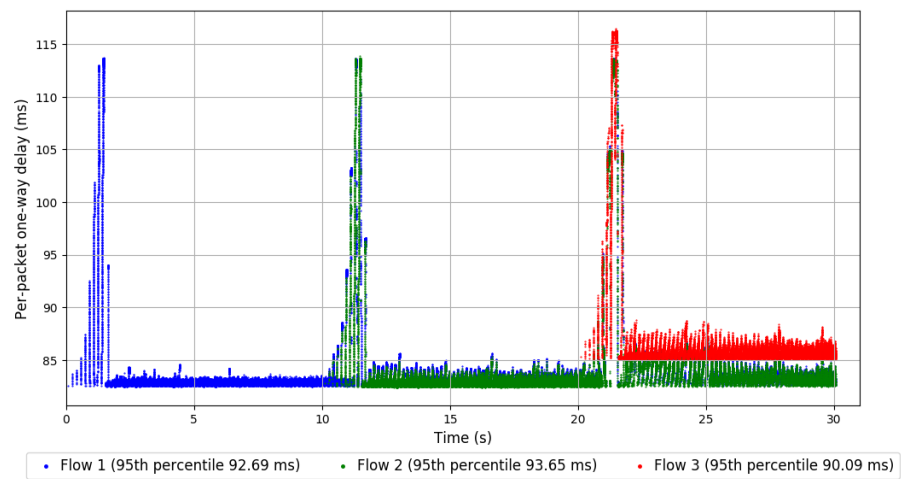
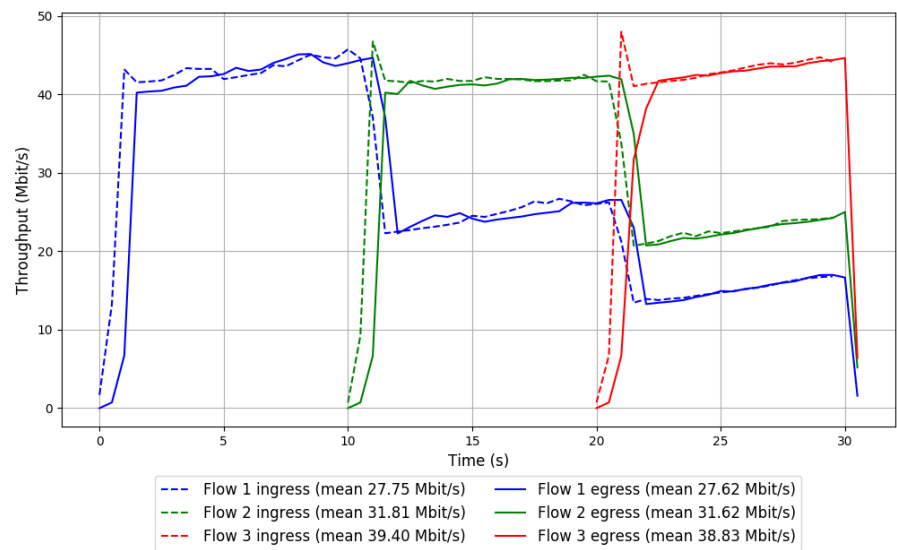
-- Flow 3:

Average throughput: 38.83 Mbit/s

95th percentile per-packet one-way delay: 90.092 ms

Loss rate: 1.46%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-05-22 05:26:59

End at: 2018-05-22 05:27:29

Local clock offset: -1.825 ms

Remote clock offset: 3.301 ms

Below is generated by plot.py at 2018-05-22 06:53:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.95 Mbit/s

95th percentile per-packet one-way delay: 87.589 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 26.16 Mbit/s

95th percentile per-packet one-way delay: 87.919 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 31.48 Mbit/s

95th percentile per-packet one-way delay: 88.455 ms

Loss rate: 0.60%

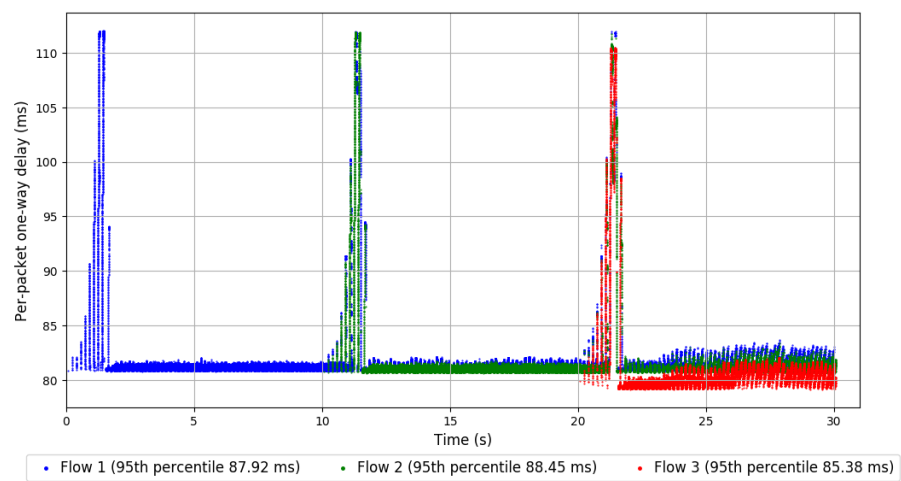
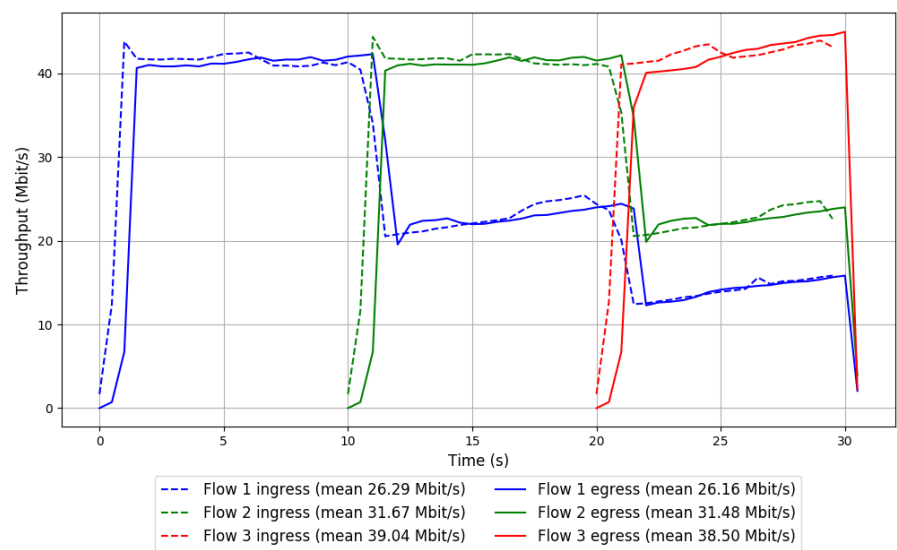
-- Flow 3:

Average throughput: 38.50 Mbit/s

95th percentile per-packet one-way delay: 85.376 ms

Loss rate: 1.38%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-05-22 05:46:40

End at: 2018-05-22 05:47:10

Local clock offset: -2.185 ms

Remote clock offset: 9.455 ms

Below is generated by plot.py at 2018-05-22 06:53:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 36.43 Mbit/s

95th percentile per-packet one-way delay: 90.761 ms

Loss rate: 1.20%

-- Flow 1:

Average throughput: 10.76 Mbit/s

95th percentile per-packet one-way delay: 92.466 ms

Loss rate: 1.16%

-- Flow 2:

Average throughput: 27.56 Mbit/s

95th percentile per-packet one-way delay: 83.314 ms

Loss rate: 0.75%

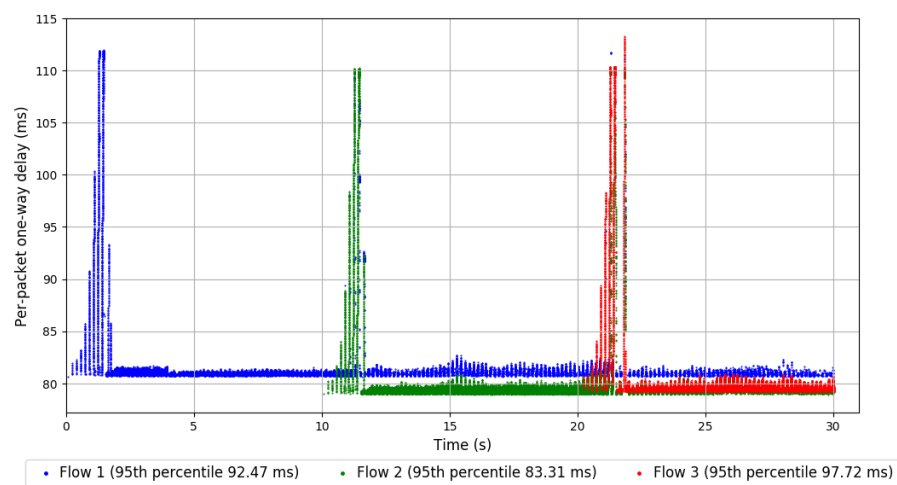
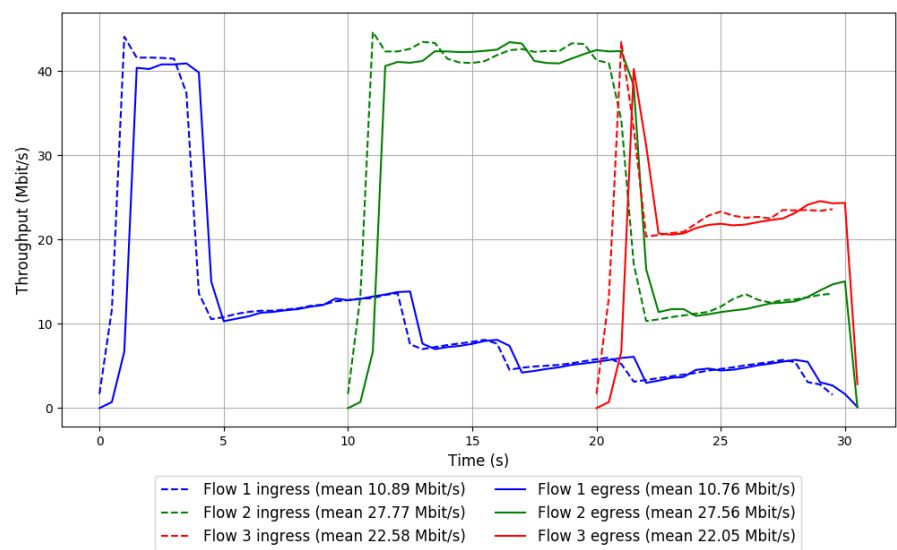
-- Flow 3:

Average throughput: 22.05 Mbit/s

95th percentile per-packet one-way delay: 97.718 ms

Loss rate: 2.37%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-05-22 06:06:21

End at: 2018-05-22 06:06:51

Local clock offset: -5.978 ms

Remote clock offset: 8.686 ms

Below is generated by plot.py at 2018-05-22 06:53:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.81 Mbit/s

95th percentile per-packet one-way delay: 91.164 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 25.85 Mbit/s

95th percentile per-packet one-way delay: 90.561 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 30.12 Mbit/s

95th percentile per-packet one-way delay: 93.356 ms

Loss rate: 0.70%

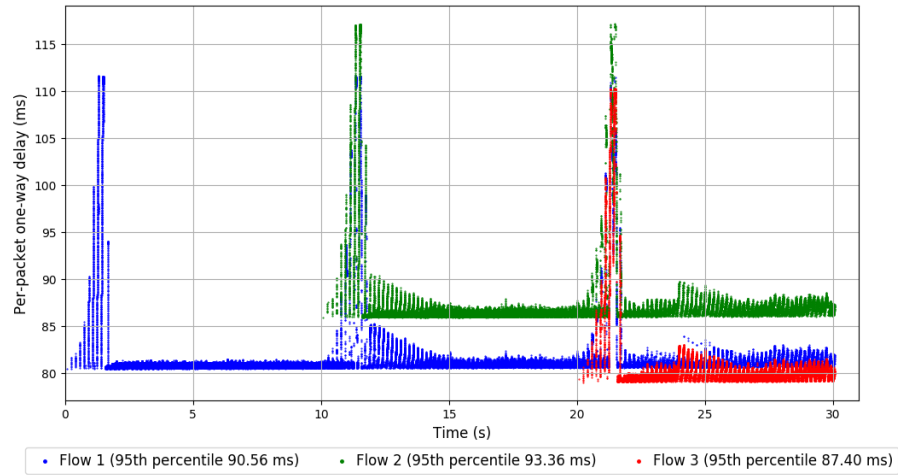
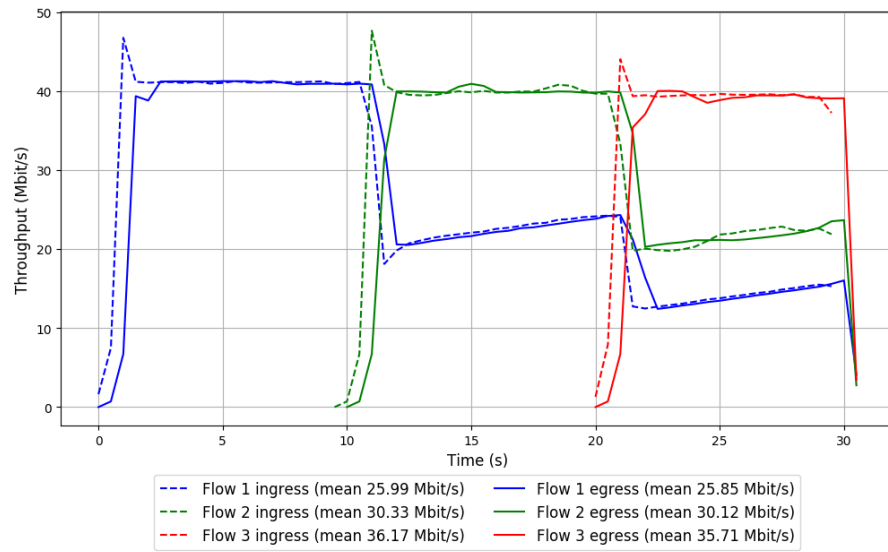
-- Flow 3:

Average throughput: 35.71 Mbit/s

95th percentile per-packet one-way delay: 87.402 ms

Loss rate: 1.28%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-05-22 06:26:46

End at: 2018-05-22 06:27:16

Local clock offset: -7.772 ms

Remote clock offset: 3.648 ms

Below is generated by plot.py at 2018-05-22 06:53:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.19 Mbit/s

95th percentile per-packet one-way delay: 88.534 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 15.92 Mbit/s

95th percentile per-packet one-way delay: 89.882 ms

Loss rate: 1.00%

-- Flow 2:

Average throughput: 30.99 Mbit/s

95th percentile per-packet one-way delay: 88.701 ms

Loss rate: 0.60%

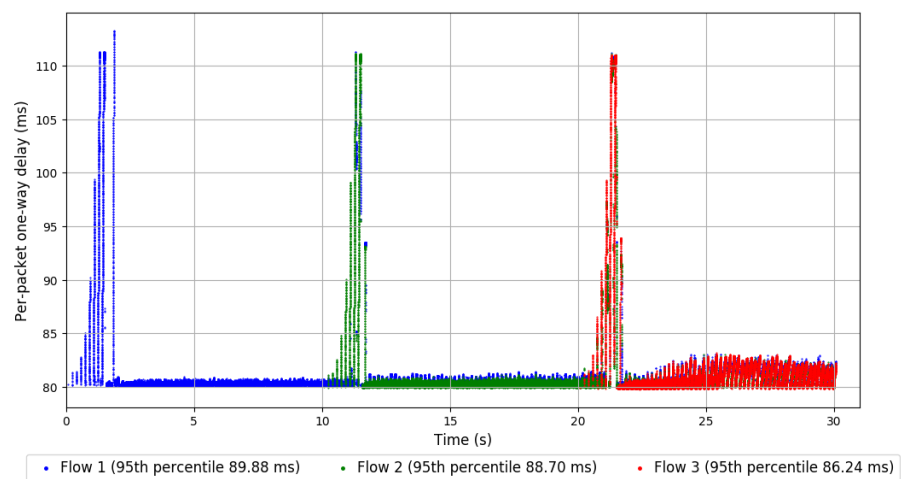
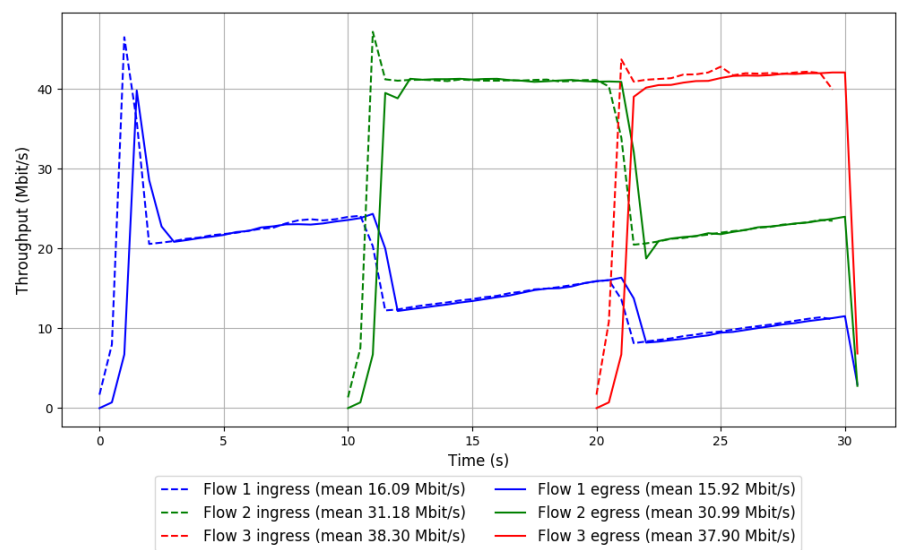
-- Flow 3:

Average throughput: 37.90 Mbit/s

95th percentile per-packet one-way delay: 86.239 ms

Loss rate: 1.03%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-05-22 03:30:02

End at: 2018-05-22 03:30:32

Local clock offset: -2.038 ms

Remote clock offset: 6.033 ms

Run 1: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of Verus

Start at: 2018-05-22 03:49:43

End at: 2018-05-22 03:50:13

Local clock offset: -7.194 ms

Remote clock offset: 9.944 ms

Run 2: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of Verus

Start at: 2018-05-22 04:09:23

End at: 2018-05-22 04:09:53

Local clock offset: -7.21 ms

Remote clock offset: 9.816 ms

Run 3: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of Verus

Start at: 2018-05-22 04:29:06

End at: 2018-05-22 04:29:36

Local clock offset: -7.317 ms

Remote clock offset: 10.588 ms

Run 4: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of Verus

Start at: 2018-05-22 04:48:46

End at: 2018-05-22 04:49:16

Local clock offset: -7.063 ms

Remote clock offset: 5.901 ms

Run 5: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of Verus

Start at: 2018-05-22 05:08:28

End at: 2018-05-22 05:08:58

Local clock offset: -2.703 ms

Remote clock offset: 2.482 ms

Run 6: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of Verus

Start at: 2018-05-22 05:28:13

End at: 2018-05-22 05:28:43

Local clock offset: -2.727 ms

Remote clock offset: 3.24 ms

Run 7: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of Verus

Start at: 2018-05-22 05:47:53

End at: 2018-05-22 05:48:23

Local clock offset: -3.009 ms

Remote clock offset: 14.21 ms

Run 8: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of Verus

Start at: 2018-05-22 06:07:34

End at: 2018-05-22 06:08:04

Local clock offset: -6.291 ms

Remote clock offset: 8.733 ms

Run 9: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of Verus

Start at: 2018-05-22 06:28:00

End at: 2018-05-22 06:28:30

Local clock offset: -8.608 ms

Remote clock offset: 2.764 ms

Run 10: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 1: Statistics of PCC-Vivace

Start at: 2018-05-22 03:34:52

End at: 2018-05-22 03:35:22

Local clock offset: -4.763 ms

Remote clock offset: 9.246 ms

Below is generated by plot.py at 2018-05-22 06:53:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.81 Mbit/s

95th percentile per-packet one-way delay: 114.696 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 68.53 Mbit/s

95th percentile per-packet one-way delay: 114.690 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 9.12 Mbit/s

95th percentile per-packet one-way delay: 115.120 ms

Loss rate: 0.39%

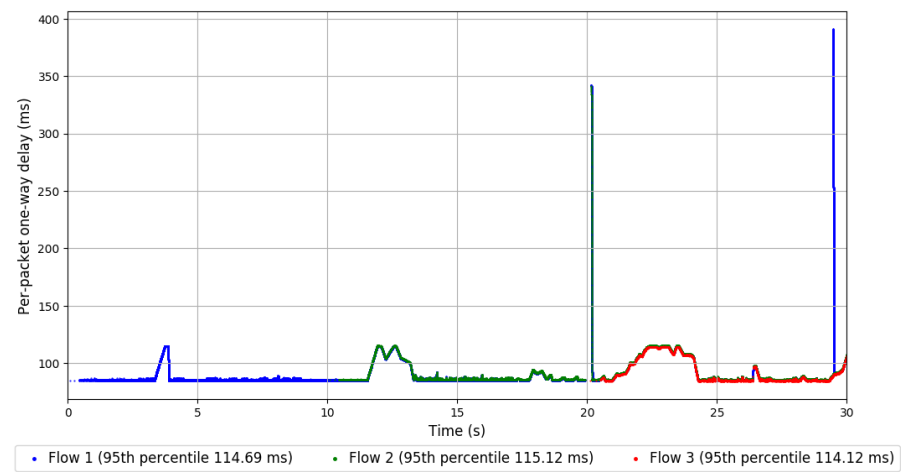
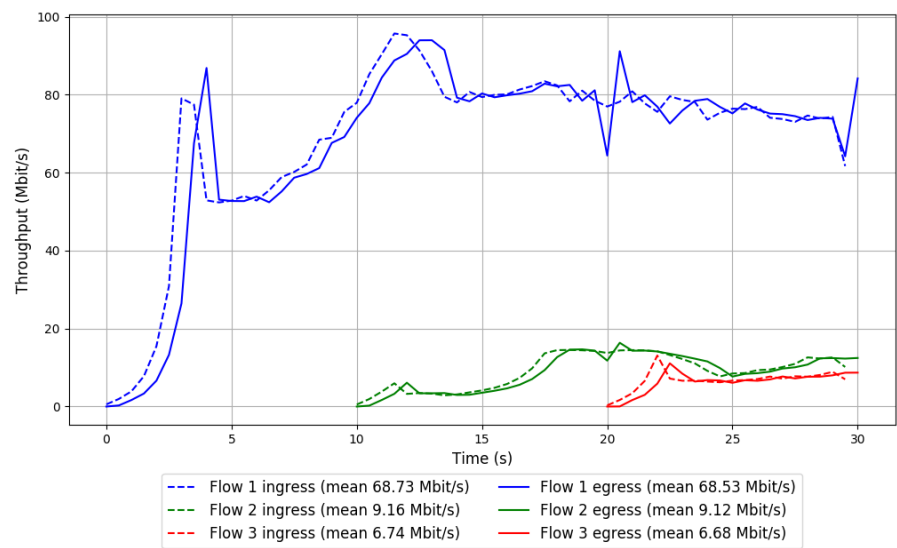
-- Flow 3:

Average throughput: 6.68 Mbit/s

95th percentile per-packet one-way delay: 114.122 ms

Loss rate: 0.71%

Run 1: Report of PCC-Vivace — Data Link

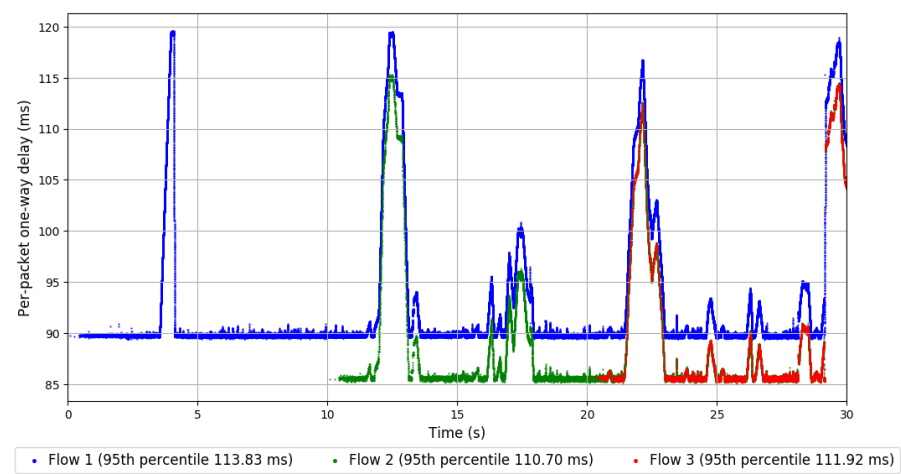
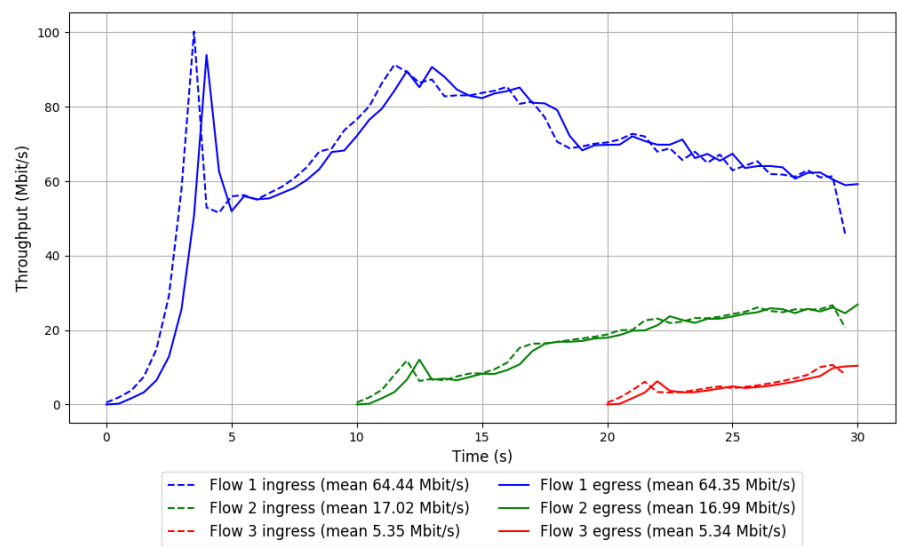


Run 2: Statistics of PCC-Vivace

Start at: 2018-05-22 03:54:32
End at: 2018-05-22 03:55:02
Local clock offset: -7.647 ms
Remote clock offset: 12.599 ms

Below is generated by plot.py at 2018-05-22 06:53:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.42 Mbit/s
95th percentile per-packet one-way delay: 113.372 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 64.35 Mbit/s
95th percentile per-packet one-way delay: 113.825 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 16.99 Mbit/s
95th percentile per-packet one-way delay: 110.696 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 5.34 Mbit/s
95th percentile per-packet one-way delay: 111.918 ms
Loss rate: 0.04%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-05-22 04:14:13

End at: 2018-05-22 04:14:43

Local clock offset: -7.241 ms

Remote clock offset: 15.68 ms

Below is generated by plot.py at 2018-05-22 06:53:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.64 Mbit/s

95th percentile per-packet one-way delay: 120.874 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 55.95 Mbit/s

95th percentile per-packet one-way delay: 120.934 ms

Loss rate: 0.61%

-- Flow 2:

Average throughput: 28.25 Mbit/s

95th percentile per-packet one-way delay: 114.982 ms

Loss rate: 0.74%

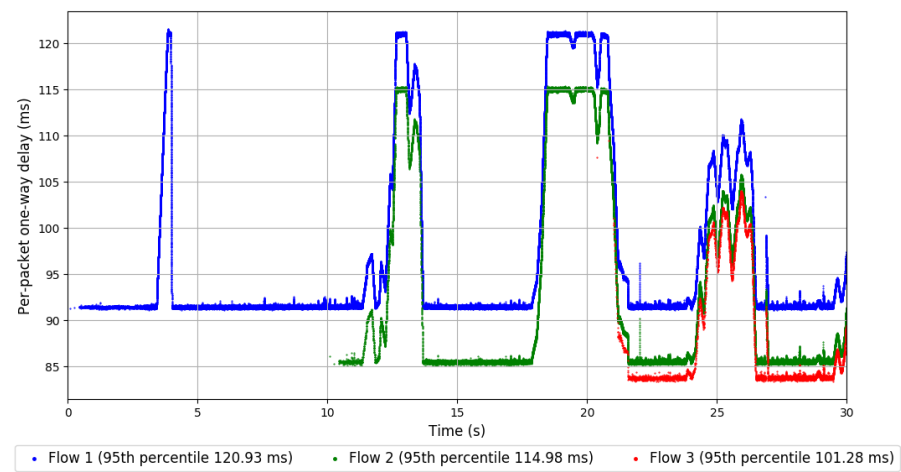
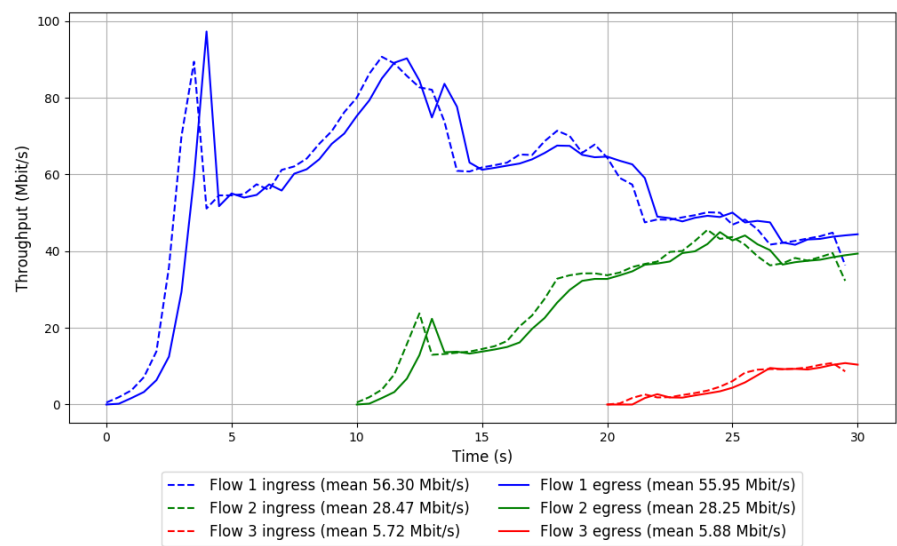
-- Flow 3:

Average throughput: 5.88 Mbit/s

95th percentile per-packet one-way delay: 101.276 ms

Loss rate: 0.02%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-05-22 04:33:55

End at: 2018-05-22 04:34:25

Local clock offset: -6.322 ms

Remote clock offset: 5.268 ms

Below is generated by plot.py at 2018-05-22 06:53:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.24 Mbit/s

95th percentile per-packet one-way delay: 97.747 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 69.22 Mbit/s

95th percentile per-packet one-way delay: 97.948 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 9.95 Mbit/s

95th percentile per-packet one-way delay: 94.602 ms

Loss rate: 0.05%

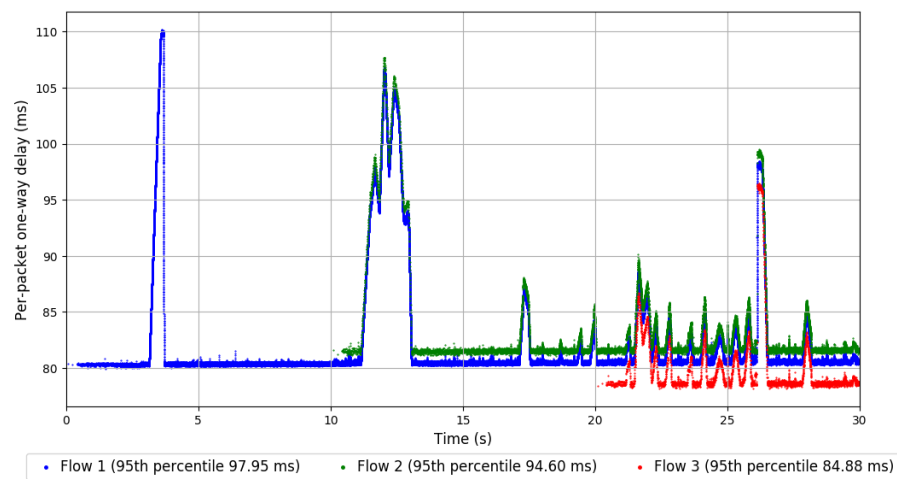
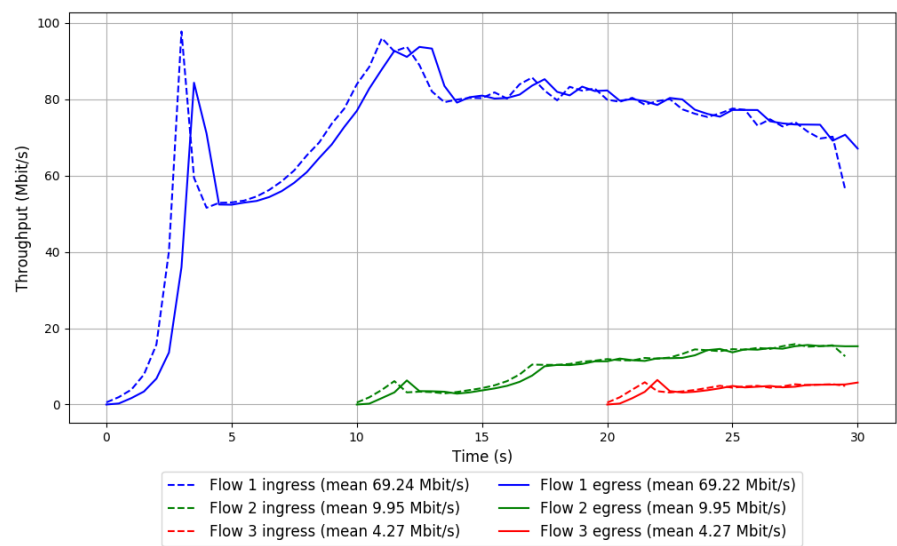
-- Flow 3:

Average throughput: 4.27 Mbit/s

95th percentile per-packet one-way delay: 84.879 ms

Loss rate: 0.03%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-05-22 04:53:35

End at: 2018-05-22 04:54:05

Local clock offset: -6.282 ms

Remote clock offset: 6.356 ms

Below is generated by plot.py at 2018-05-22 06:54:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.28 Mbit/s

95th percentile per-packet one-way delay: 117.371 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 64.74 Mbit/s

95th percentile per-packet one-way delay: 118.480 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 16.18 Mbit/s

95th percentile per-packet one-way delay: 116.443 ms

Loss rate: 0.66%

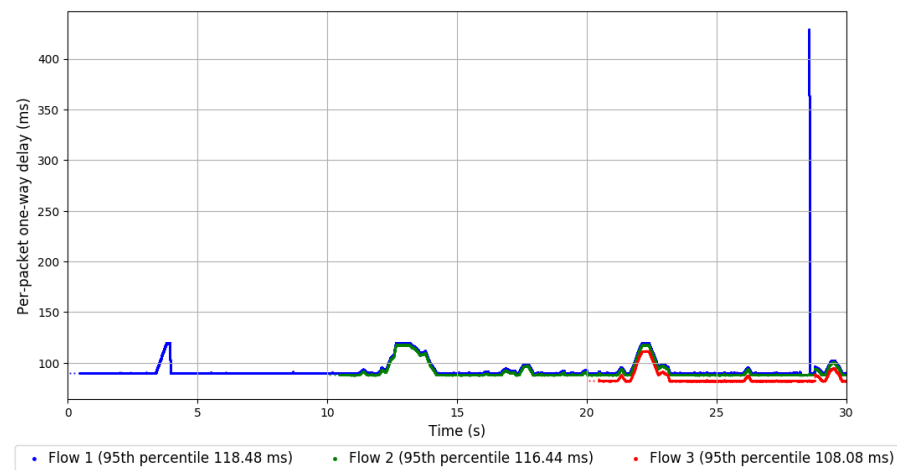
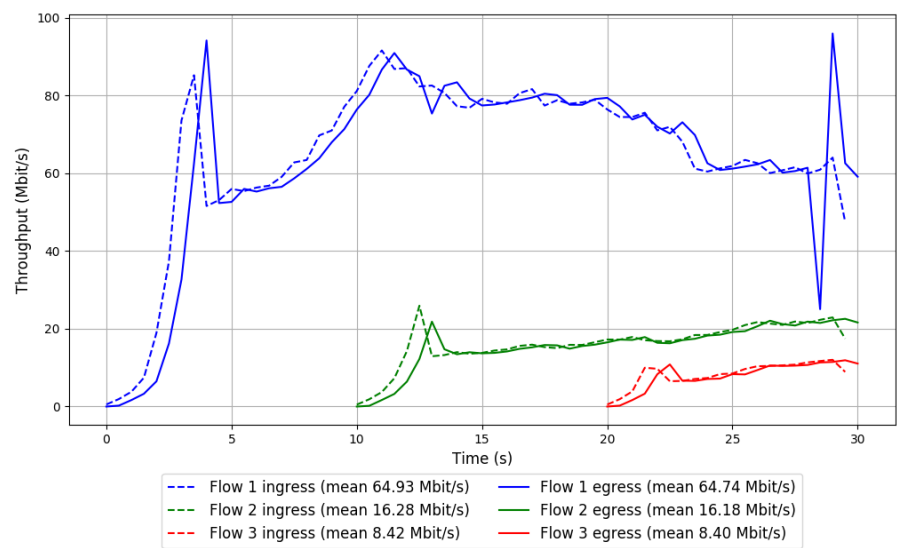
-- Flow 3:

Average throughput: 8.40 Mbit/s

95th percentile per-packet one-way delay: 108.081 ms

Loss rate: 0.23%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-05-22 05:13:17

End at: 2018-05-22 05:13:47

Local clock offset: -2.91 ms

Remote clock offset: 2.665 ms

Below is generated by plot.py at 2018-05-22 06:54:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.12 Mbit/s

95th percentile per-packet one-way delay: 109.670 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 63.21 Mbit/s

95th percentile per-packet one-way delay: 109.818 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 17.47 Mbit/s

95th percentile per-packet one-way delay: 108.626 ms

Loss rate: 0.89%

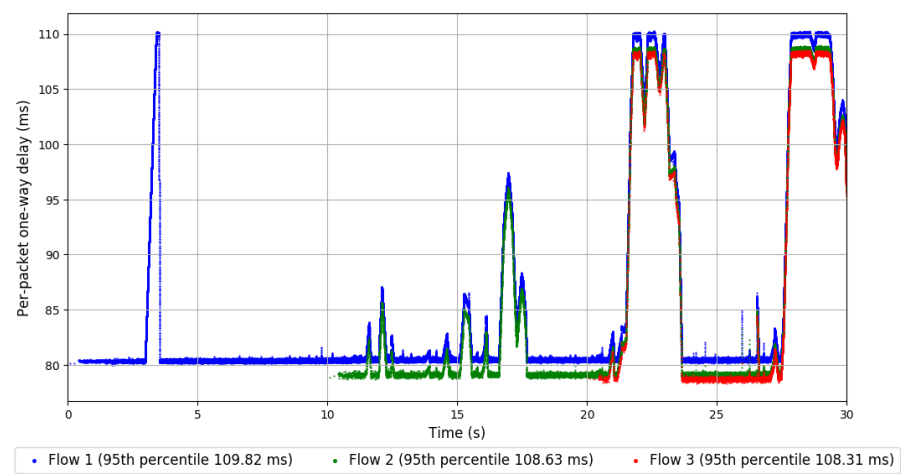
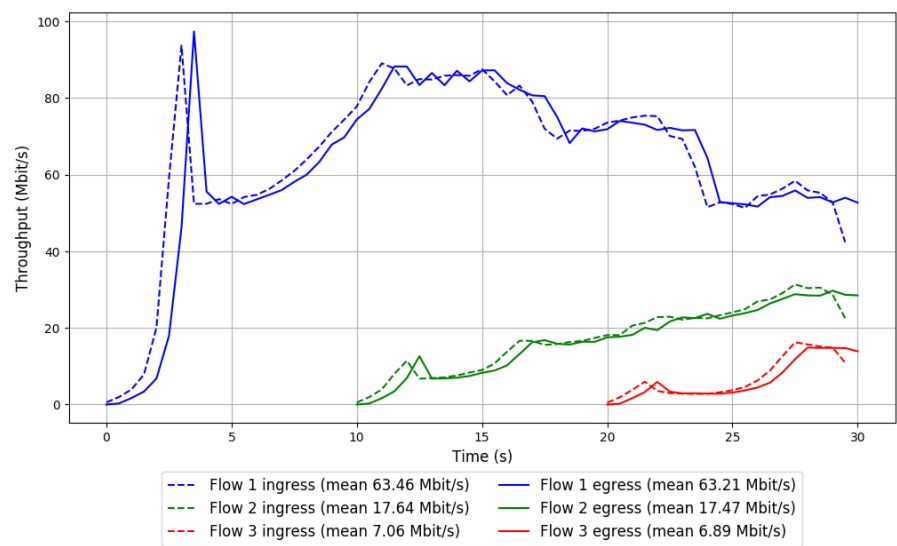
-- Flow 3:

Average throughput: 6.89 Mbit/s

95th percentile per-packet one-way delay: 108.314 ms

Loss rate: 2.26%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-05-22 05:33:02

End at: 2018-05-22 05:33:32

Local clock offset: -2.959 ms

Remote clock offset: 5.262 ms

Below is generated by plot.py at 2018-05-22 06:54:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.94 Mbit/s

95th percentile per-packet one-way delay: 96.941 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 67.87 Mbit/s

95th percentile per-packet one-way delay: 97.236 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 12.78 Mbit/s

95th percentile per-packet one-way delay: 95.794 ms

Loss rate: 0.00%

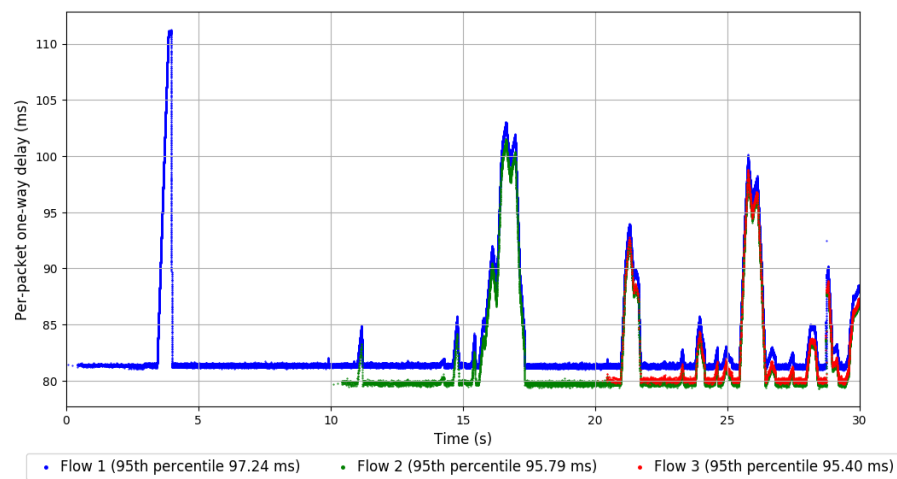
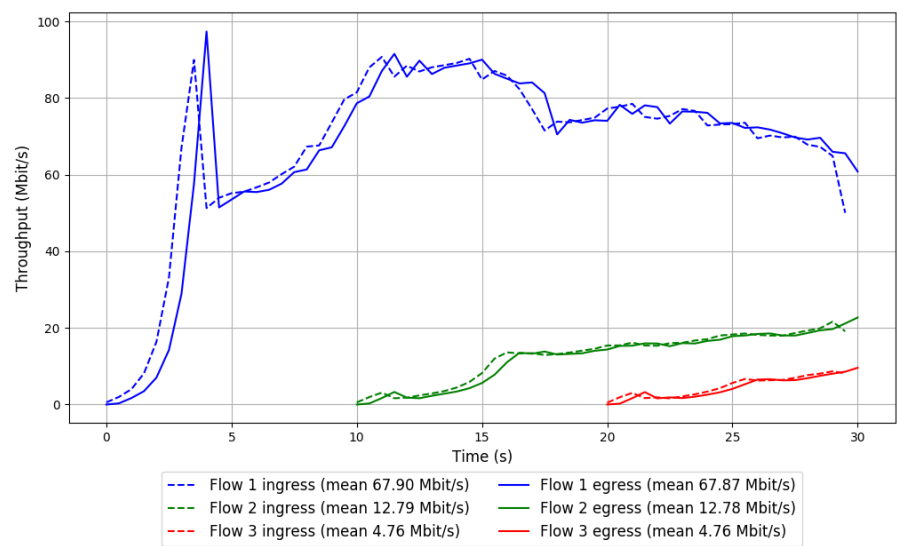
-- Flow 3:

Average throughput: 4.76 Mbit/s

95th percentile per-packet one-way delay: 95.396 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link

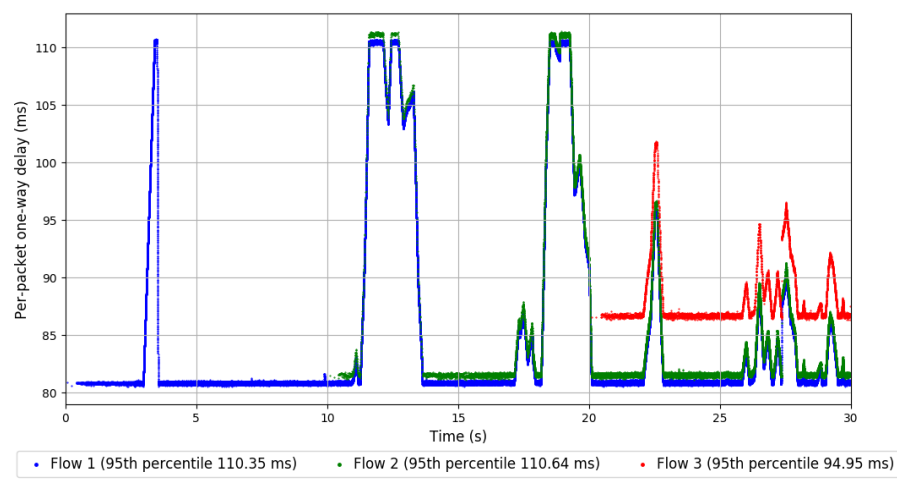
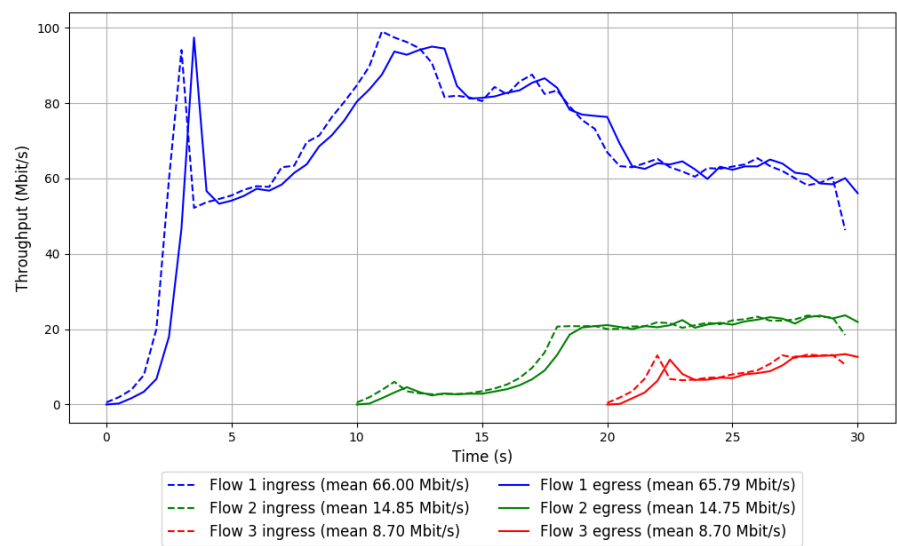


Run 8: Statistics of PCC-Vivace

Start at: 2018-05-22 05:52:42
End at: 2018-05-22 05:53:12
Local clock offset: -2.099 ms
Remote clock offset: 10.333 ms

Below is generated by plot.py at 2018-05-22 06:54:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.47 Mbit/s
95th percentile per-packet one-way delay: 110.339 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 65.79 Mbit/s
95th percentile per-packet one-way delay: 110.349 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 14.75 Mbit/s
95th percentile per-packet one-way delay: 110.635 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 8.70 Mbit/s
95th percentile per-packet one-way delay: 94.952 ms
Loss rate: 0.09%

Run 8: Report of PCC-Vivace — Data Link

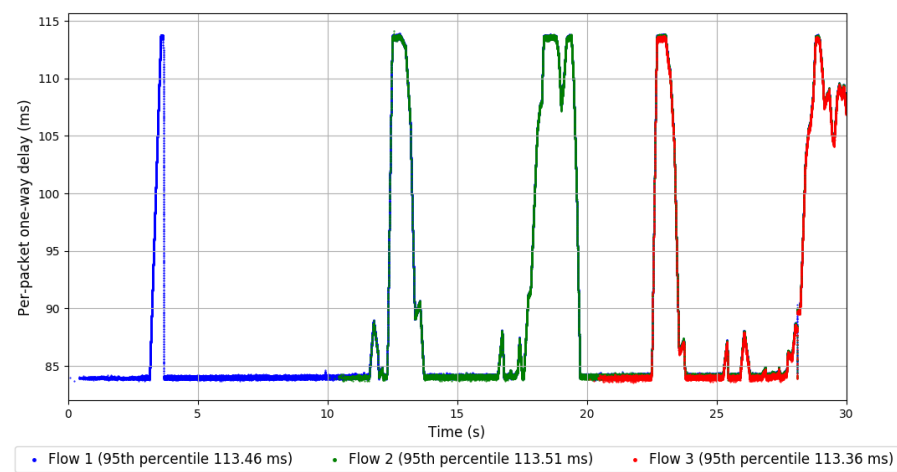
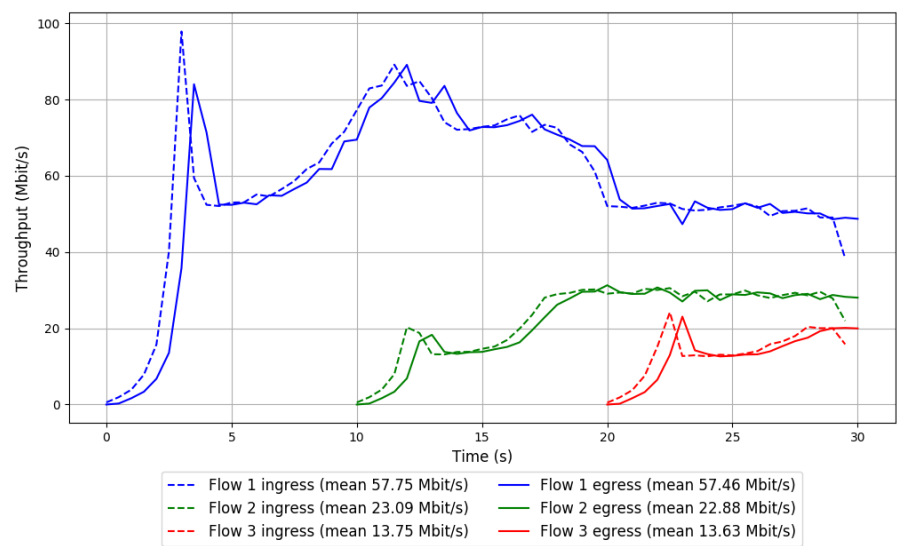


Run 9: Statistics of PCC-Vivace

Start at: 2018-05-22 06:12:24
End at: 2018-05-22 06:12:54
Local clock offset: -6.378 ms
Remote clock offset: 10.266 ms

Below is generated by plot.py at 2018-05-22 06:54:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.19 Mbit/s
95th percentile per-packet one-way delay: 113.466 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 57.46 Mbit/s
95th percentile per-packet one-way delay: 113.460 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 22.88 Mbit/s
95th percentile per-packet one-way delay: 113.509 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 13.63 Mbit/s
95th percentile per-packet one-way delay: 113.364 ms
Loss rate: 0.64%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-05-22 06:32:49

End at: 2018-05-22 06:33:19

Local clock offset: -8.891 ms

Remote clock offset: 7.702 ms

Below is generated by plot.py at 2018-05-22 06:54:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.63 Mbit/s

95th percentile per-packet one-way delay: 113.241 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 56.52 Mbit/s

95th percentile per-packet one-way delay: 113.105 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 23.34 Mbit/s

95th percentile per-packet one-way delay: 114.630 ms

Loss rate: 0.63%

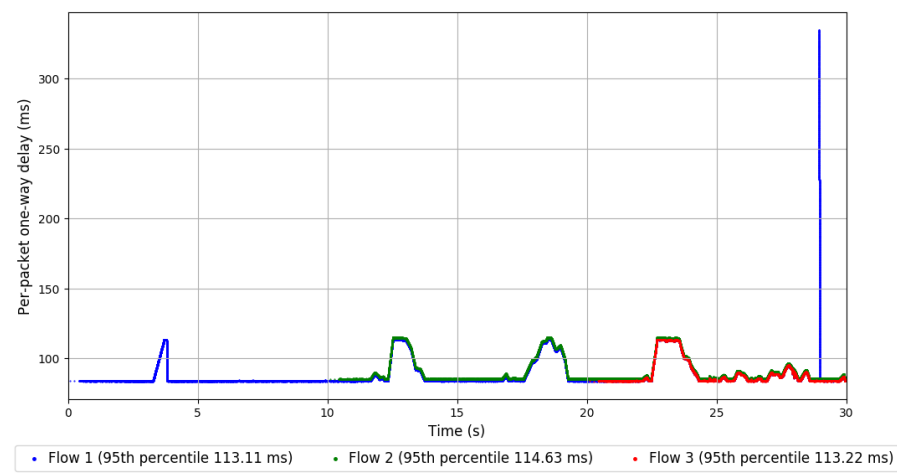
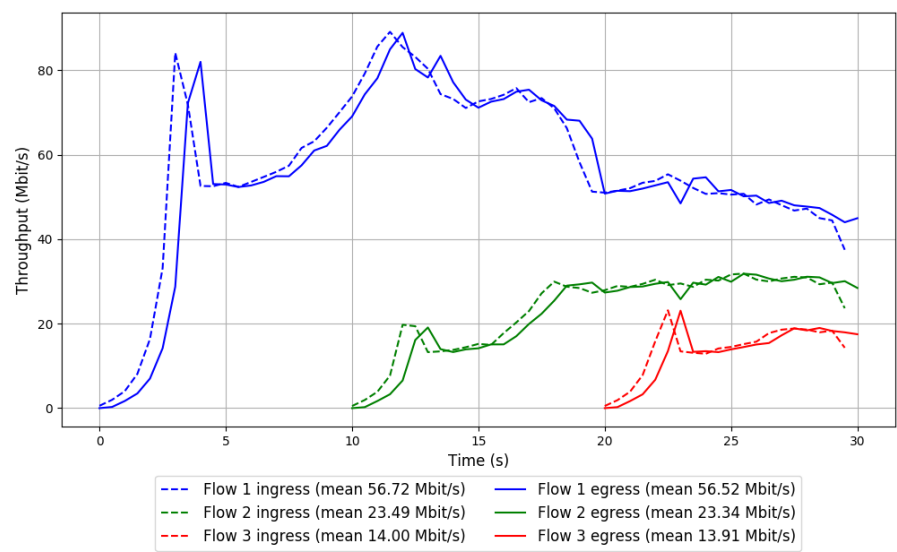
-- Flow 3:

Average throughput: 13.91 Mbit/s

95th percentile per-packet one-way delay: 113.216 ms

Loss rate: 0.64%

Run 10: Report of PCC-Vivace — Data Link

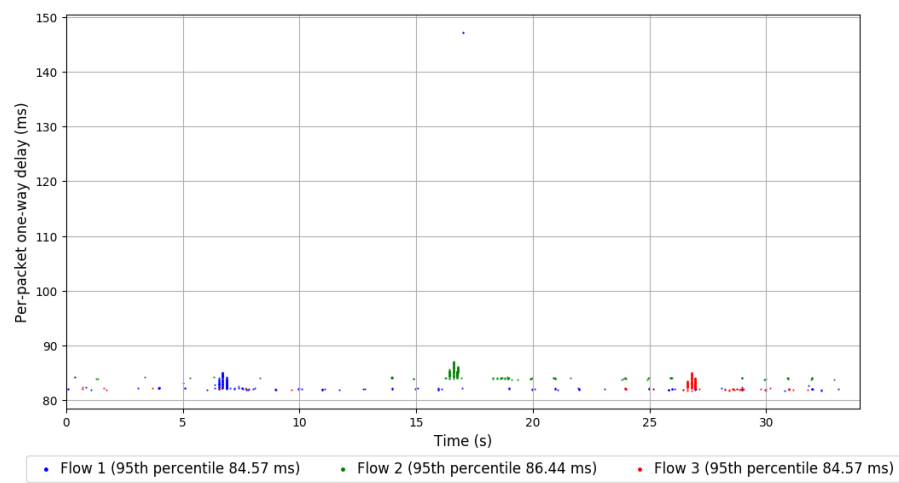
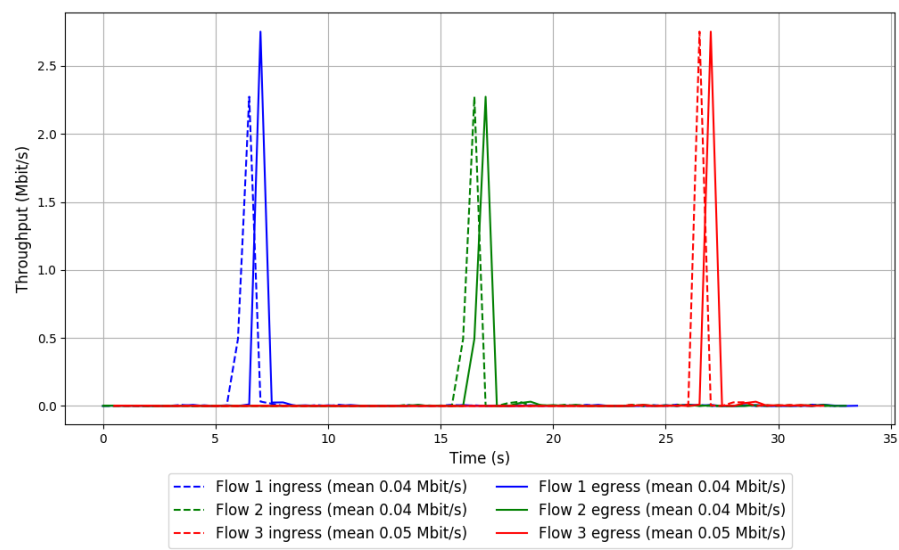


```
Run 1: Statistics of WebRTC media

Start at: 2018-05-22 03:32:23
End at: 2018-05-22 03:32:53
Local clock offset: -3.913 ms
Remote clock offset: 8.659 ms

# Below is generated by plot.py at 2018-05-22 06:54:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 85.782 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 84.567 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 86.444 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 84.568 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-05-22 03:52:04

End at: 2018-05-22 03:52:34

Local clock offset: -7.459 ms

Remote clock offset: 7.07 ms

Below is generated by plot.py at 2018-05-22 06:54:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 88.073 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 82.947 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 82.829 ms

Loss rate: 0.00%

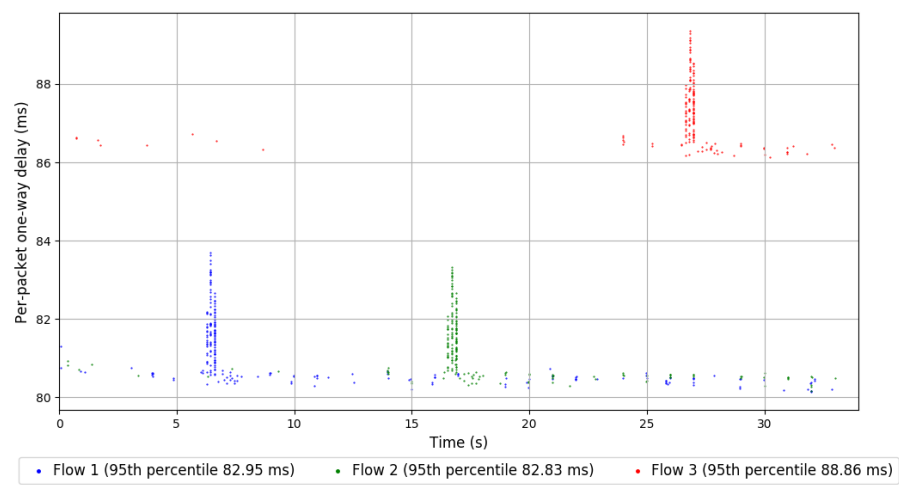
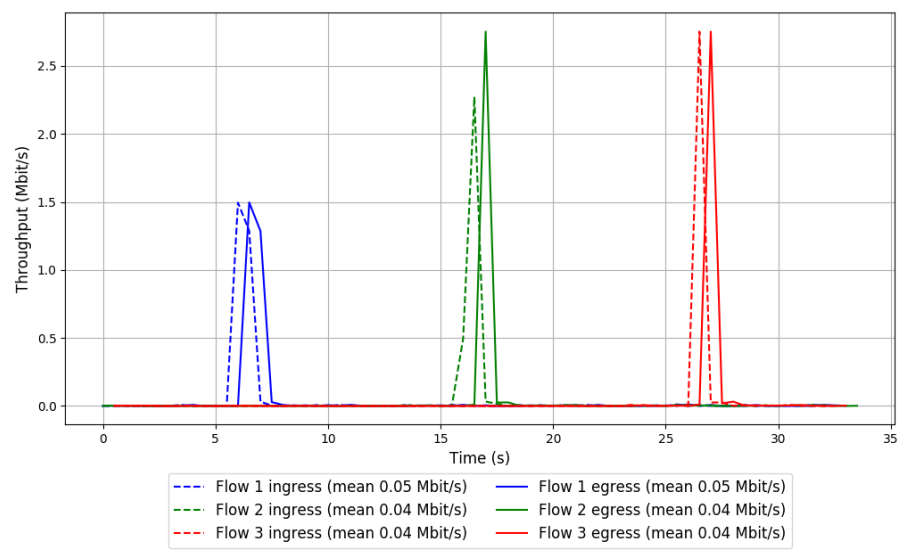
-- Flow 3:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 88.864 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

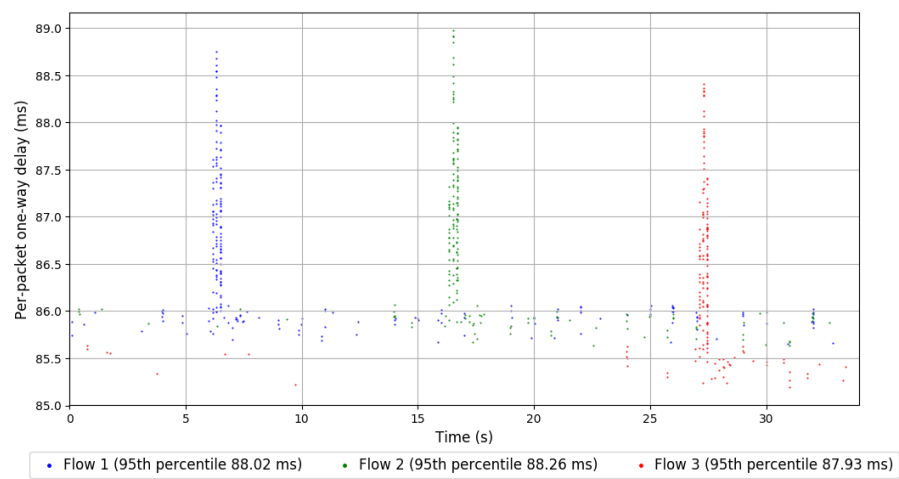
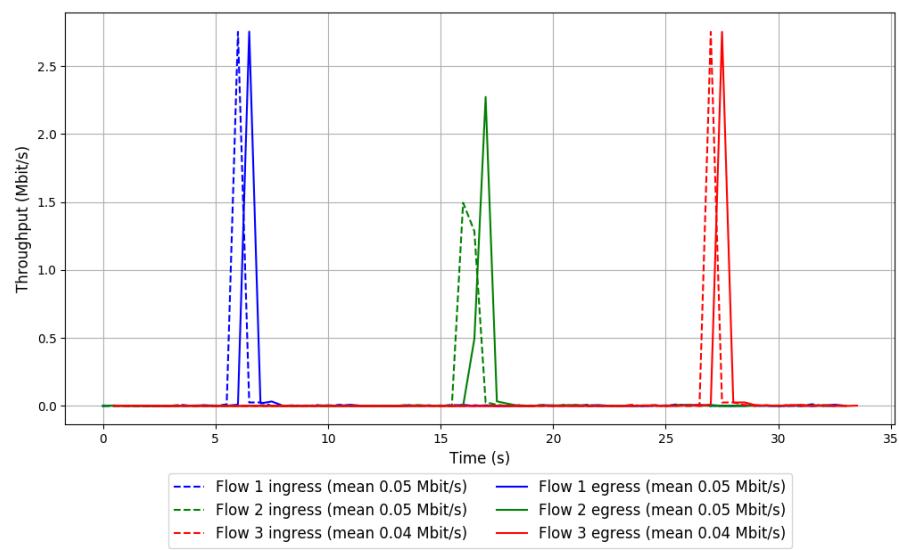


Run 3: Statistics of WebRTC media

Start at: 2018-05-22 04:11:45
End at: 2018-05-22 04:12:15
Local clock offset: -7.996 ms
Remote clock offset: 14.666 ms

Below is generated by plot.py at 2018-05-22 06:54:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 88.117 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 88.023 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 88.261 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 87.934 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-05-22 04:31:27

End at: 2018-05-22 04:31:57

Local clock offset: -6.421 ms

Remote clock offset: 4.953 ms

Below is generated by plot.py at 2018-05-22 06:54:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 84.882 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 81.627 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 85.496 ms

Loss rate: 0.00%

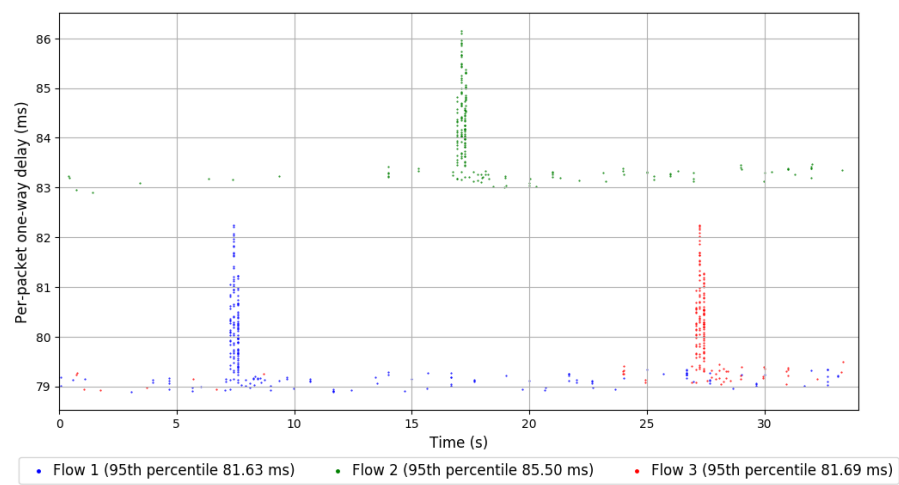
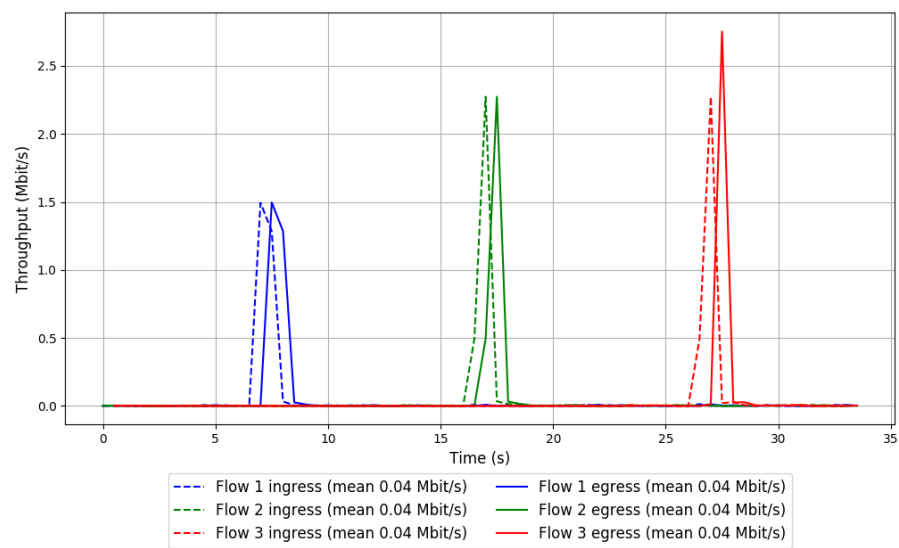
-- Flow 3:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 81.693 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-05-22 04:51:08

End at: 2018-05-22 04:51:38

Local clock offset: -6.265 ms

Remote clock offset: 6.653 ms

Below is generated by plot.py at 2018-05-22 06:54:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 89.539 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 86.164 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 84.758 ms

Loss rate: 0.00%

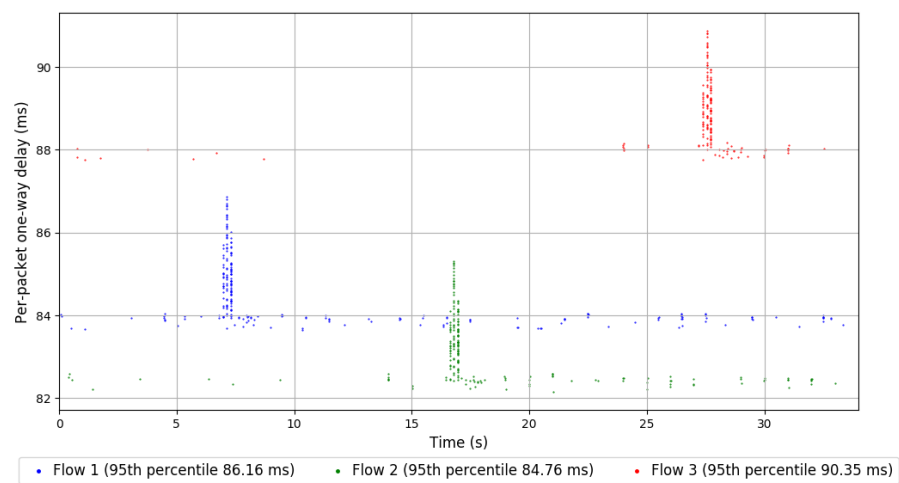
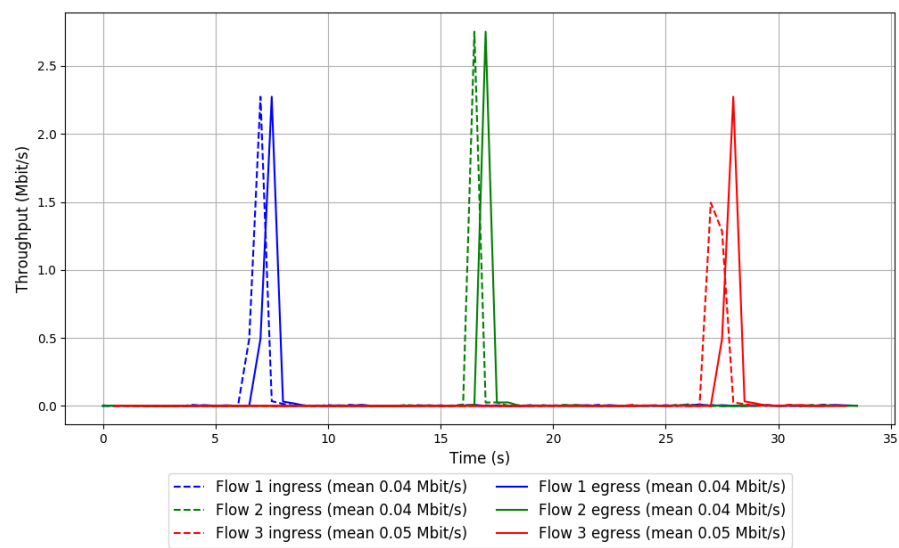
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 90.350 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-05-22 05:10:49

End at: 2018-05-22 05:11:19

Local clock offset: -3.95 ms

Remote clock offset: 7.993 ms

Below is generated by plot.py at 2018-05-22 06:54:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 91.797 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 88.495 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 92.395 ms

Loss rate: 0.00%

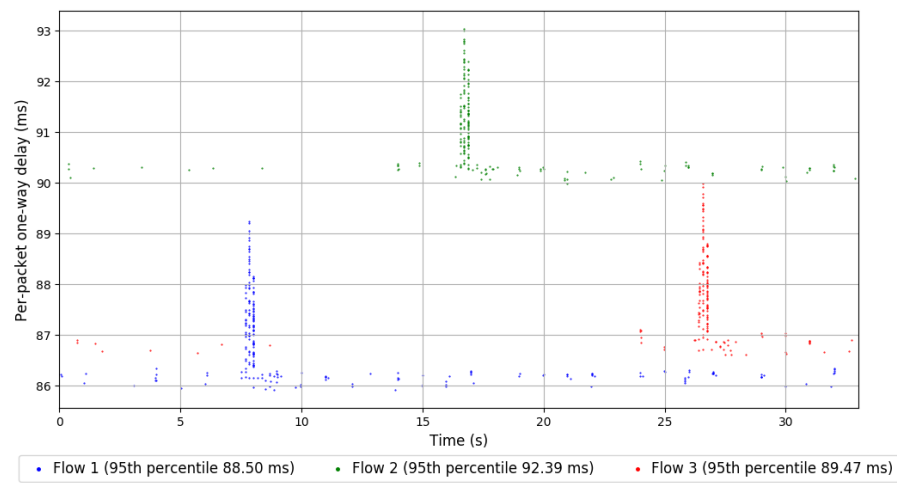
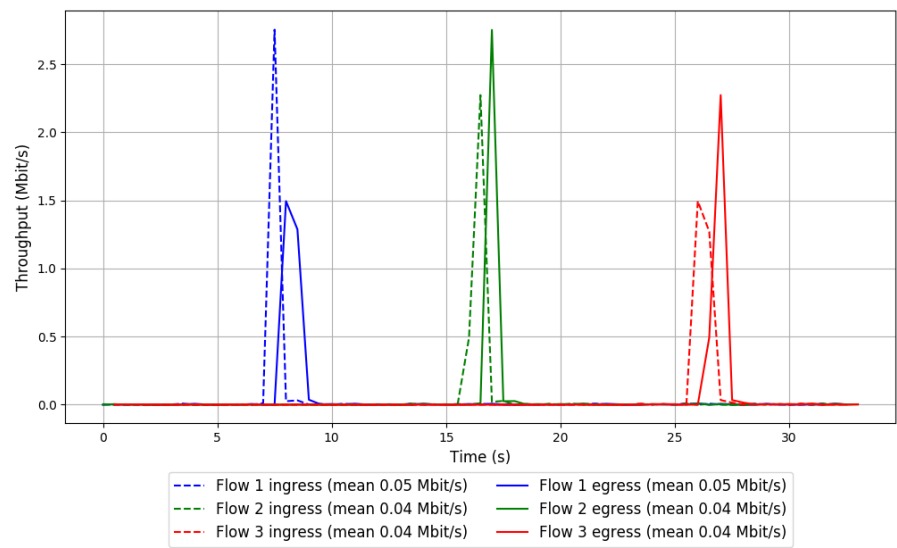
-- Flow 3:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 89.467 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

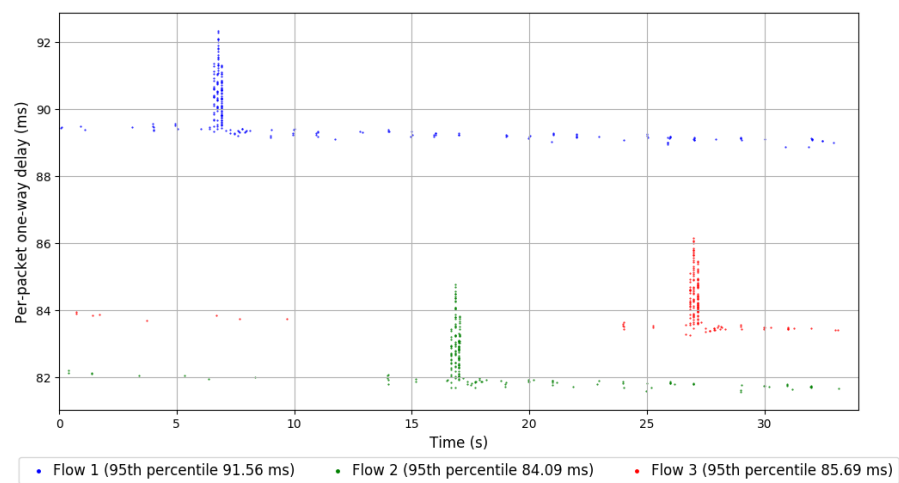
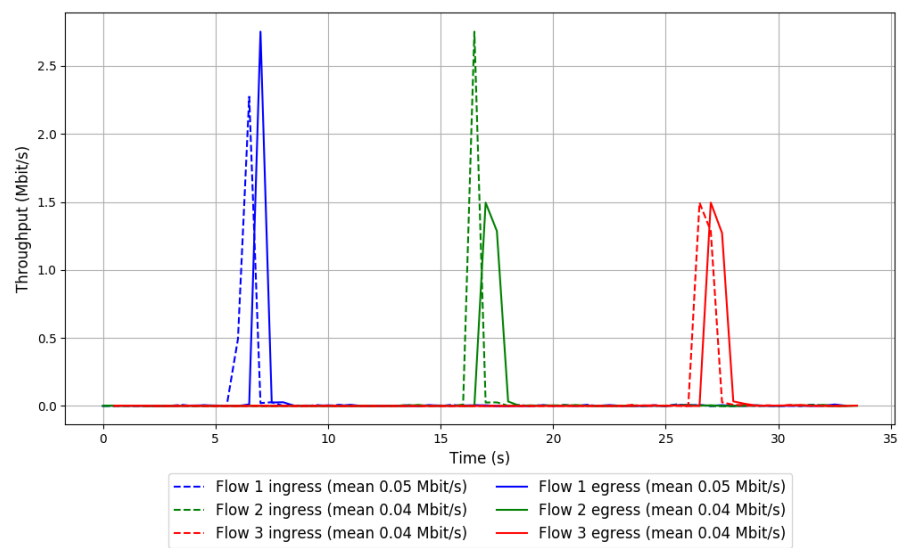


Run 7: Statistics of WebRTC media

Start at: 2018-05-22 05:30:34
End at: 2018-05-22 05:31:04
Local clock offset: -2.105 ms
Remote clock offset: 6.657 ms

Below is generated by plot.py at 2018-05-22 06:54:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 91.058 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 91.559 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 84.086 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 85.689 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-05-22 05:50:14

End at: 2018-05-22 05:50:44

Local clock offset: -1.379 ms

Remote clock offset: 9.014 ms

Below is generated by plot.py at 2018-05-22 06:54:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 86.409 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 79.403 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 82.625 ms

Loss rate: 0.00%

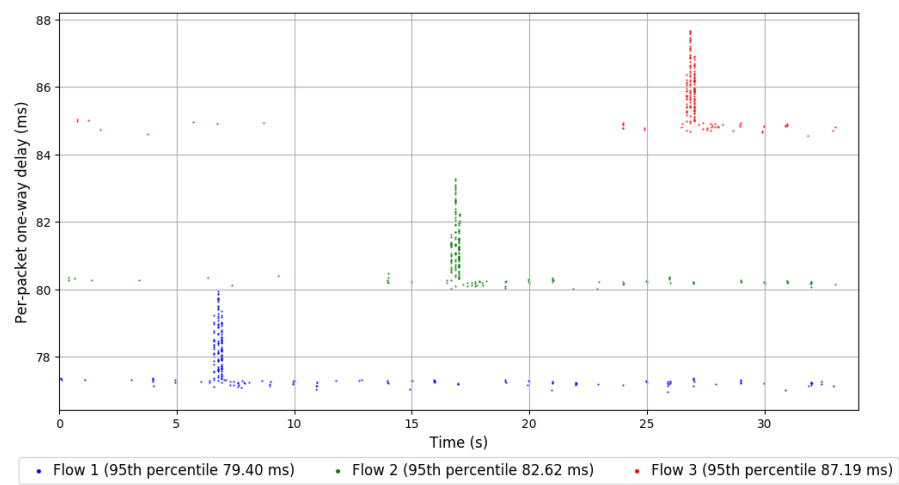
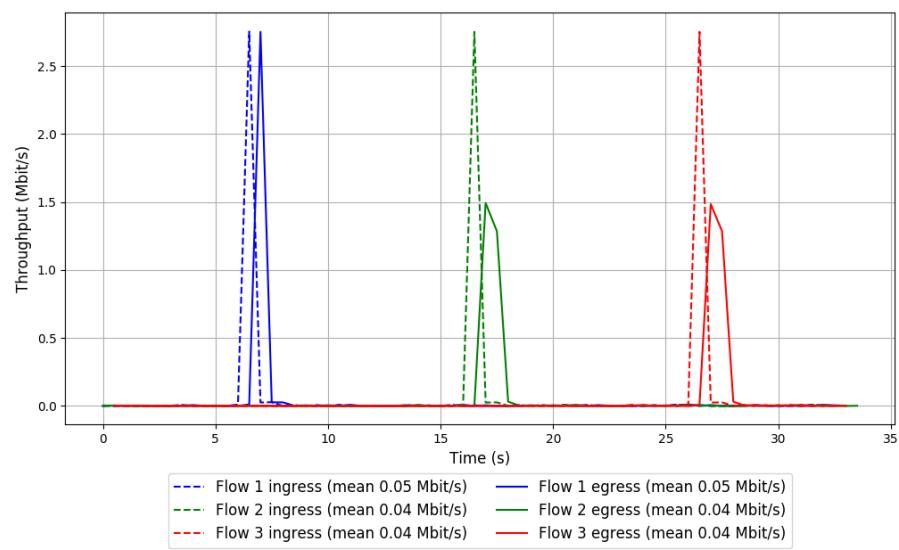
-- Flow 3:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 87.195 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-05-22 06:09:56

End at: 2018-05-22 06:10:26

Local clock offset: -5.966 ms

Remote clock offset: 6.583 ms

Below is generated by plot.py at 2018-05-22 06:54:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 81.561 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 81.443 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 79.640 ms

Loss rate: 0.00%

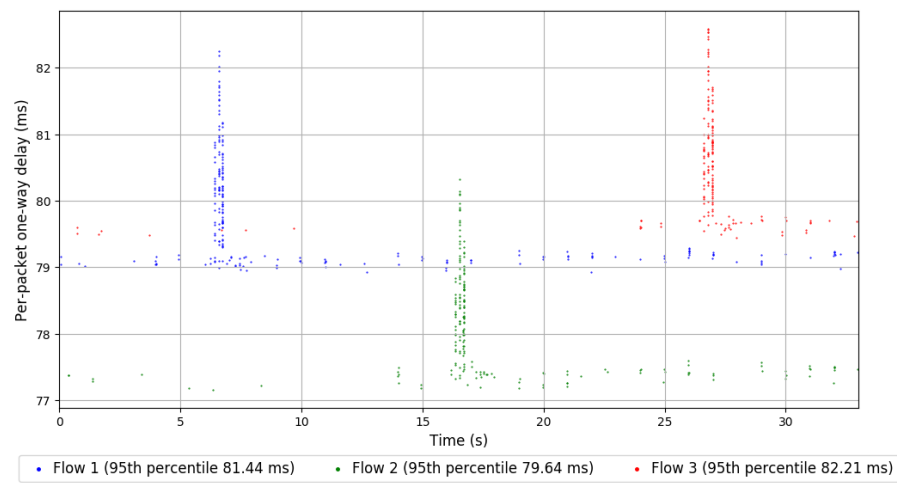
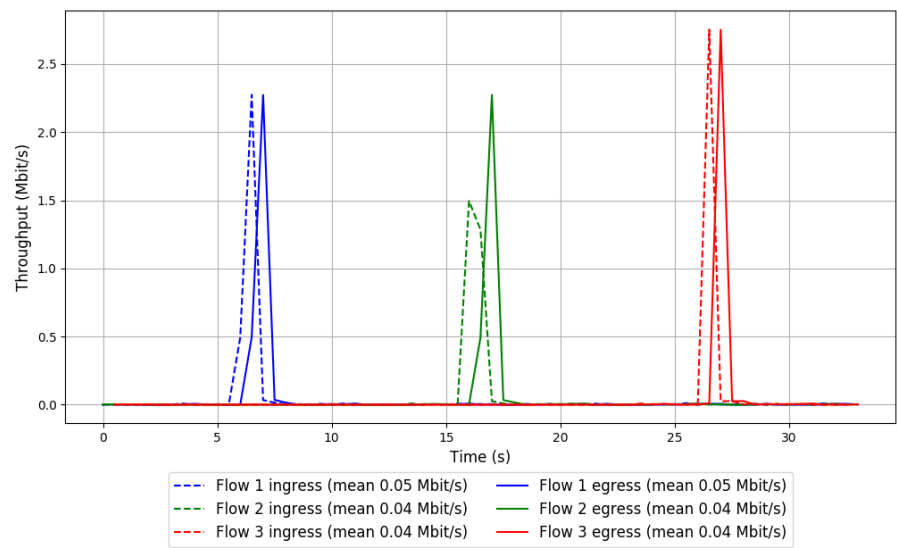
-- Flow 3:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 82.208 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-22 06:30:21

End at: 2018-05-22 06:30:51

Local clock offset: -9.517 ms

Remote clock offset: 7.199 ms

Below is generated by plot.py at 2018-05-22 06:54:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 86.740 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 85.688 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 86.131 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 87.538 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

