

Pantheon Report

Generated at 2018-05-22 19:23:06 (UTC).

Data path: Mexico Ethernet (*remote*) → AWS California 2 Ethernet (*local*).

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.

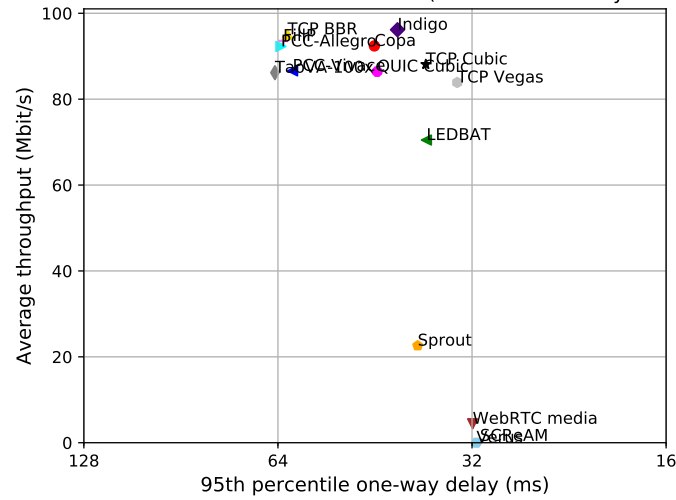
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

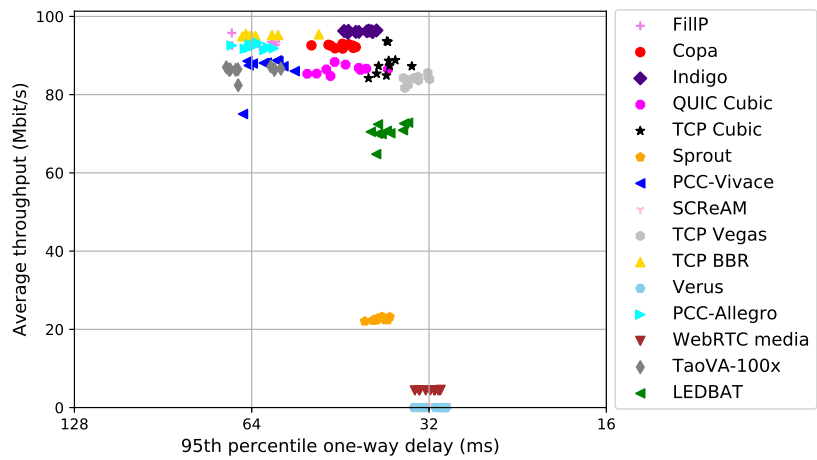
Git summary:

```
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-quic @ 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 Mexico Ethernet to AWS California 2 Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



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



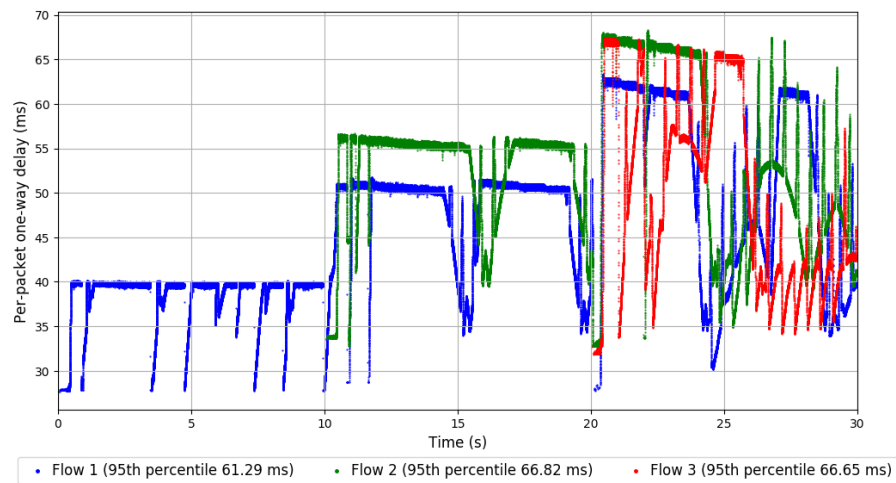
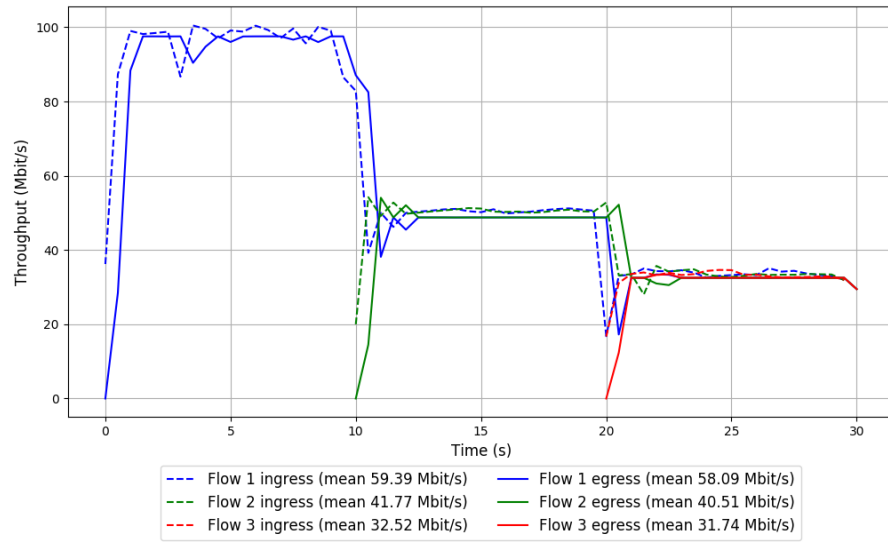
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	57.70	40.76	31.05	57.06	62.50	66.57	2.06	3.26	3.03
Copa	10	57.50	37.14	30.73	40.48	47.97	50.82	0.13	0.28	0.71
TCP Cubic	10	51.61	39.42	30.97	36.95	37.13	38.33	0.12	0.29	0.65
FillP	10	58.06	40.38	26.21	56.32	58.29	64.86	1.60	3.45	4.62
Indigo	10	59.12	38.29	35.48	41.46	43.94	39.03	0.18	0.33	0.67
LEDBAT	10	41.07	33.29	21.94	37.21	37.57	39.61	0.18	0.30	0.70
PCC-Allegro	10	58.65	36.41	28.69	57.44	63.19	58.65	4.82	3.56	1.69
PCC-Expr	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
QUIC Cubic	10	50.84	38.82	29.71	41.27	47.03	64.94	0.15	0.33	0.82
SCReAM	10	0.22	0.22	0.22	29.10	29.04	30.37	0.14	0.38	0.71
Sprout	10	11.41	11.38	11.06	38.39	38.37	38.89	0.21	0.28	0.59
TaoVA-100x	10	48.80	41.76	29.30	62.16	55.81	62.50	0.70	1.16	2.70
TCP Vegas	10	49.73	34.58	33.64	33.30	31.39	35.28	0.15	0.23	0.66
Verus	10	0.00	0.00	0.00	29.44	30.06	30.12	0.00	0.00	0.00
PCC-Vivace	10	55.57	33.52	26.56	56.64	62.93	54.82	2.61	1.14	1.01
WebRTC media	10	2.31	1.48	0.64	30.74	29.46	30.80	0.20	0.33	0.41

Run 1: Statistics of TCP BBR

Start at: 2018-05-22 15:49:26
End at: 2018-05-22 15:49:56
Local clock offset: 1.375 ms
Remote clock offset: -2.826 ms

Below is generated by plot.py at 2018-05-22 19:06:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.55 Mbit/s
95th percentile per-packet one-way delay: 65.495 ms
Loss rate: 2.71%
-- Flow 1:
Average throughput: 58.09 Mbit/s
95th percentile per-packet one-way delay: 61.289 ms
Loss rate: 2.37%
-- Flow 2:
Average throughput: 40.51 Mbit/s
95th percentile per-packet one-way delay: 66.821 ms
Loss rate: 3.32%
-- Flow 3:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 66.648 ms
Loss rate: 2.99%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-05-22 16:10:43

End at: 2018-05-22 16:11:13

Local clock offset: 1.047 ms

Remote clock offset: 0.2 ms

Below is generated by plot.py at 2018-05-22 19:06:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.96 Mbit/s

95th percentile per-packet one-way delay: 64.173 ms

Loss rate: 2.55%

-- Flow 1:

Average throughput: 57.88 Mbit/s

95th percentile per-packet one-way delay: 53.661 ms

Loss rate: 2.14%

-- Flow 2:

Average throughput: 39.83 Mbit/s

95th percentile per-packet one-way delay: 65.003 ms

Loss rate: 3.43%

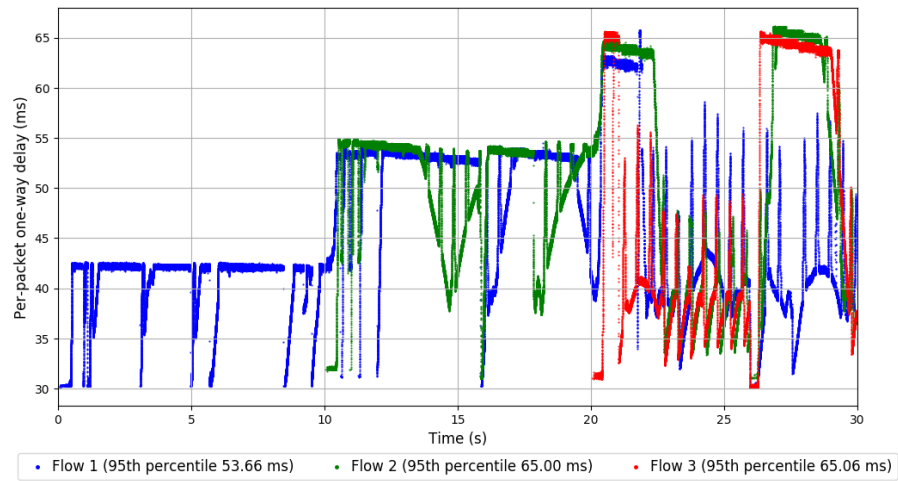
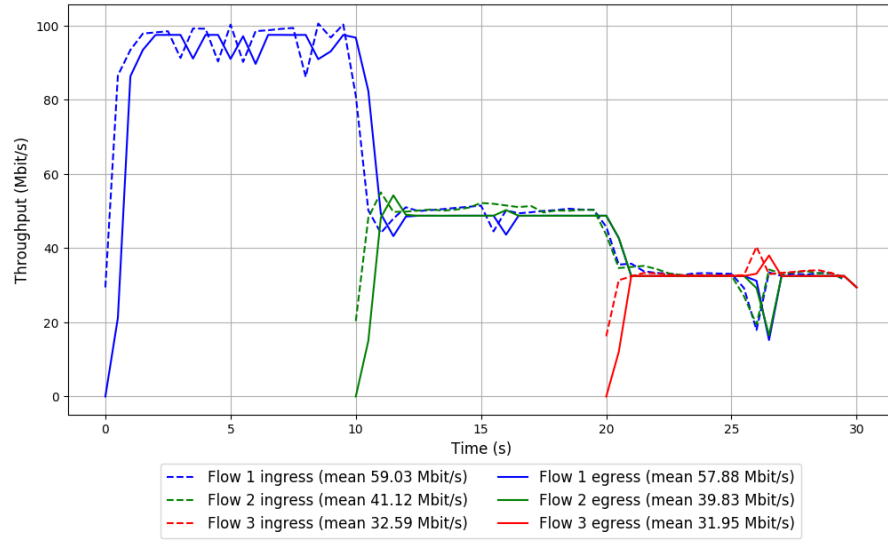
-- Flow 3:

Average throughput: 31.95 Mbit/s

95th percentile per-packet one-way delay: 65.062 ms

Loss rate: 2.58%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-05-22 16:32:06

End at: 2018-05-22 16:32:36

Local clock offset: 1.04 ms

Remote clock offset: 0.494 ms

Below is generated by plot.py at 2018-05-22 19:06:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.97 Mbit/s

95th percentile per-packet one-way delay: 63.927 ms

Loss rate: 2.60%

-- Flow 1:

Average throughput: 55.02 Mbit/s

95th percentile per-packet one-way delay: 59.046 ms

Loss rate: 2.02%

-- Flow 2:

Average throughput: 36.22 Mbit/s

95th percentile per-packet one-way delay: 72.853 ms

Loss rate: 3.35%

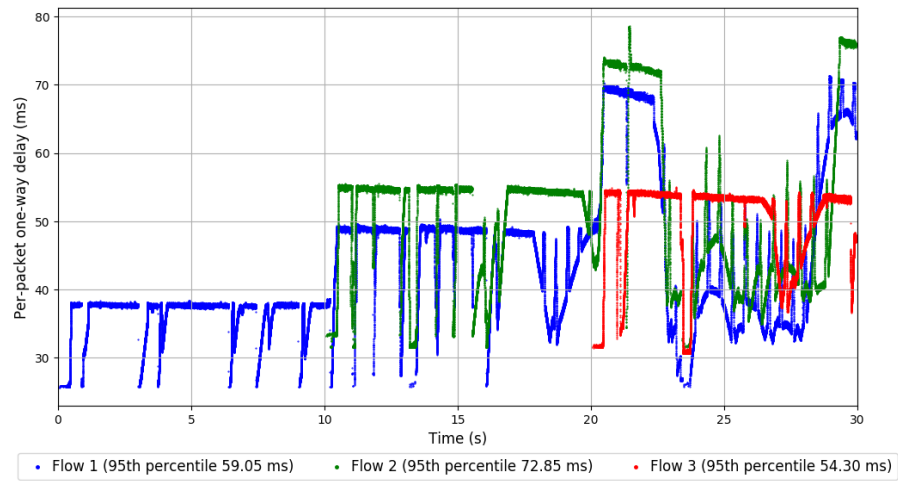
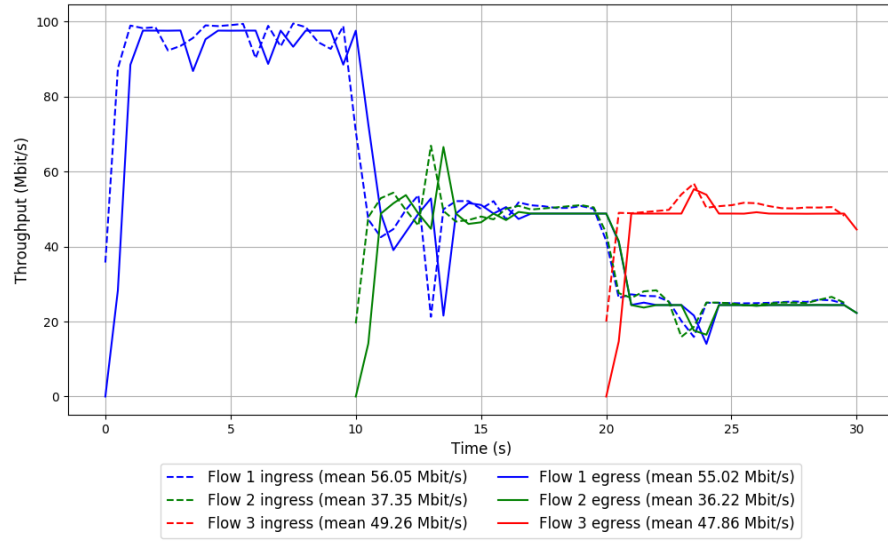
-- Flow 3:

Average throughput: 47.86 Mbit/s

95th percentile per-packet one-way delay: 54.305 ms

Loss rate: 3.45%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-05-22 16:53:27

End at: 2018-05-22 16:53:57

Local clock offset: 1.231 ms

Remote clock offset: 1.436 ms

Below is generated by plot.py at 2018-05-22 19:06:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.42 Mbit/s

95th percentile per-packet one-way delay: 49.222 ms

Loss rate: 2.46%

-- Flow 1:

Average throughput: 63.31 Mbit/s

95th percentile per-packet one-way delay: 49.065 ms

Loss rate: 2.03%

-- Flow 2:

Average throughput: 36.39 Mbit/s

95th percentile per-packet one-way delay: 68.305 ms

Loss rate: 3.55%

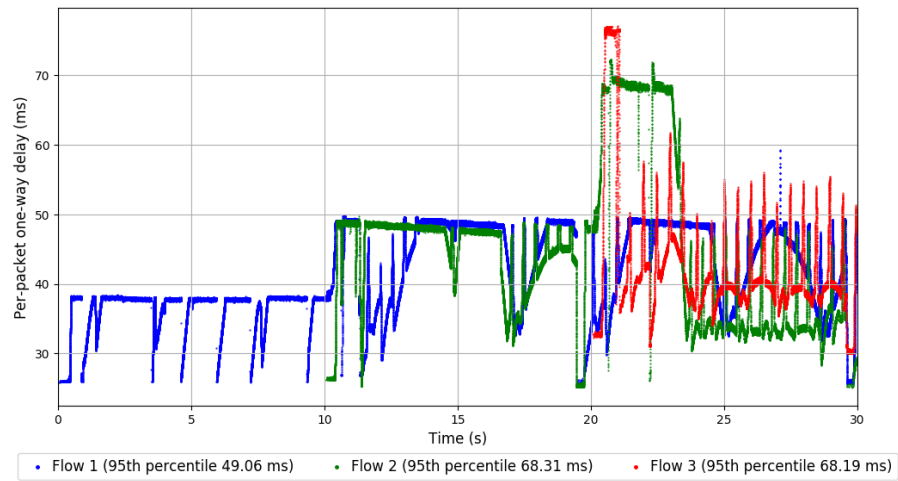
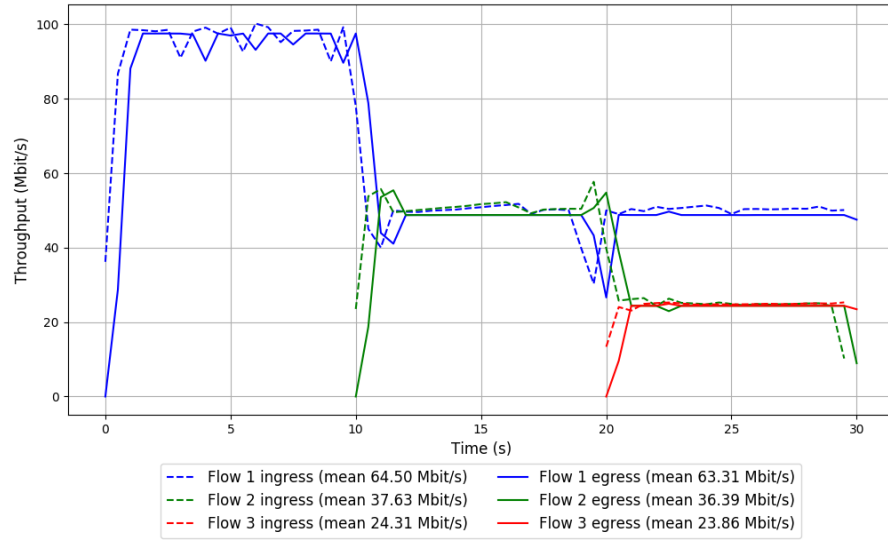
-- Flow 3:

Average throughput: 23.86 Mbit/s

95th percentile per-packet one-way delay: 68.189 ms

Loss rate: 2.46%

Run 4: Report of TCP BBR — Data Link

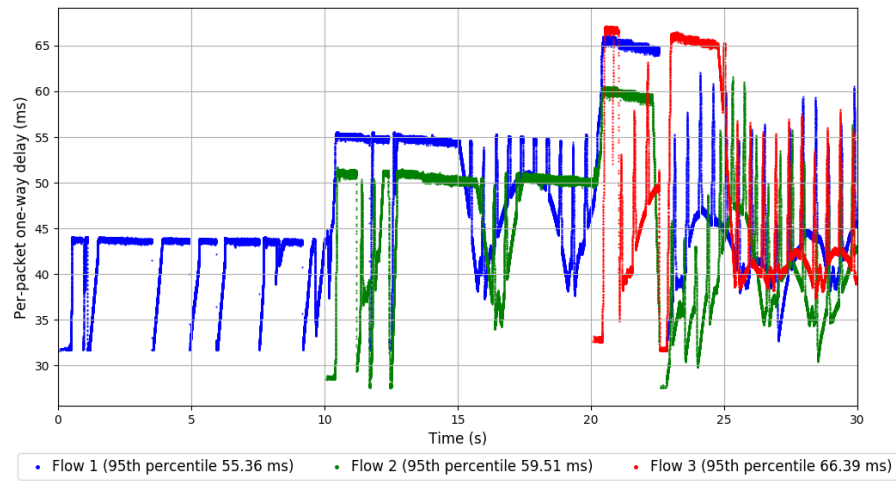
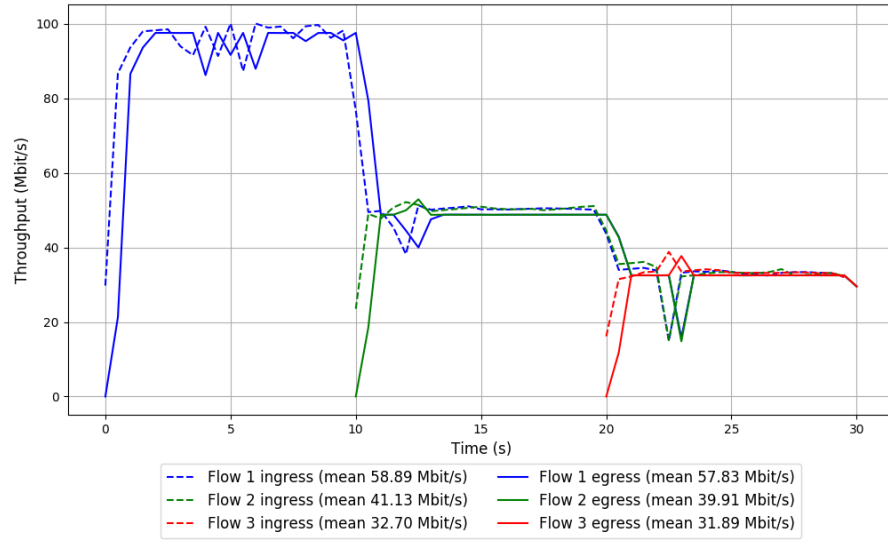


Run 5: Statistics of TCP BBR

Start at: 2018-05-22 17:14:58
End at: 2018-05-22 17:15:29
Local clock offset: 1.05 ms
Remote clock offset: -9.945 ms

Below is generated by plot.py at 2018-05-22 19:06:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.96 Mbit/s
95th percentile per-packet one-way delay: 64.444 ms
Loss rate: 2.46%
-- Flow 1:
Average throughput: 57.83 Mbit/s
95th percentile per-packet one-way delay: 55.360 ms
Loss rate: 1.98%
-- Flow 2:
Average throughput: 39.91 Mbit/s
95th percentile per-packet one-way delay: 59.508 ms
Loss rate: 3.25%
-- Flow 3:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 66.385 ms
Loss rate: 3.06%

Run 5: Report of TCP BBR — Data Link

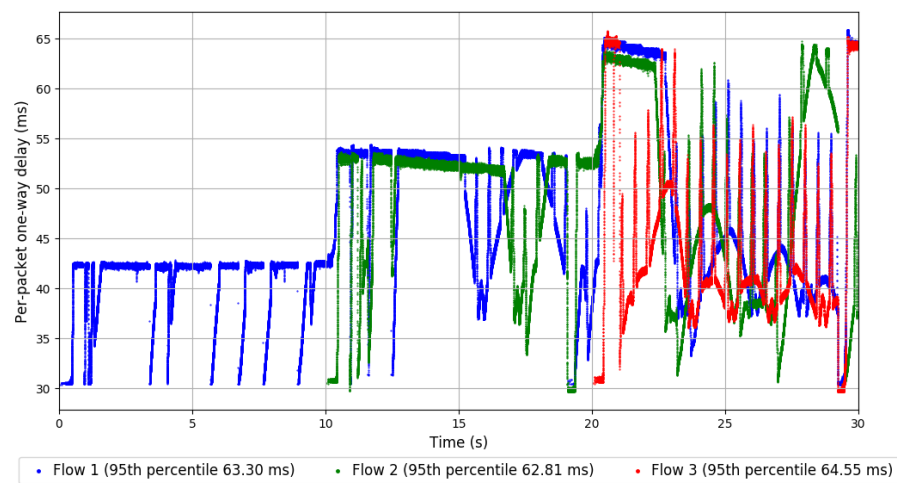
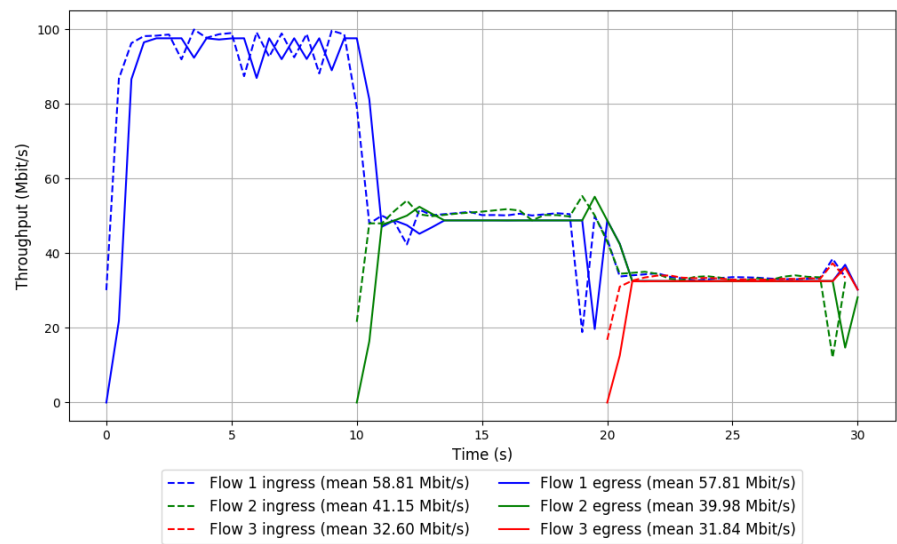


Run 6: Statistics of TCP BBR

Start at: 2018-05-22 17:36:16
End at: 2018-05-22 17:36:46
Local clock offset: 1.388 ms
Remote clock offset: -11.362 ms

Below is generated by plot.py at 2018-05-22 19:06:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.98 Mbit/s
95th percentile per-packet one-way delay: 63.050 ms
Loss rate: 2.38%
-- Flow 1:
Average throughput: 57.81 Mbit/s
95th percentile per-packet one-way delay: 63.296 ms
Loss rate: 1.94%
-- Flow 2:
Average throughput: 39.98 Mbit/s
95th percentile per-packet one-way delay: 62.811 ms
Loss rate: 3.13%
-- Flow 3:
Average throughput: 31.84 Mbit/s
95th percentile per-packet one-way delay: 64.554 ms
Loss rate: 2.92%

Run 6: Report of TCP BBR — Data Link

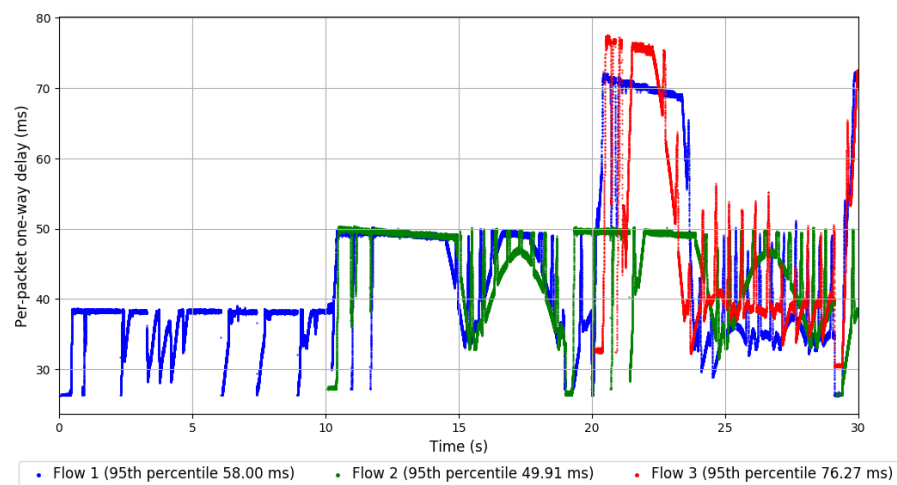
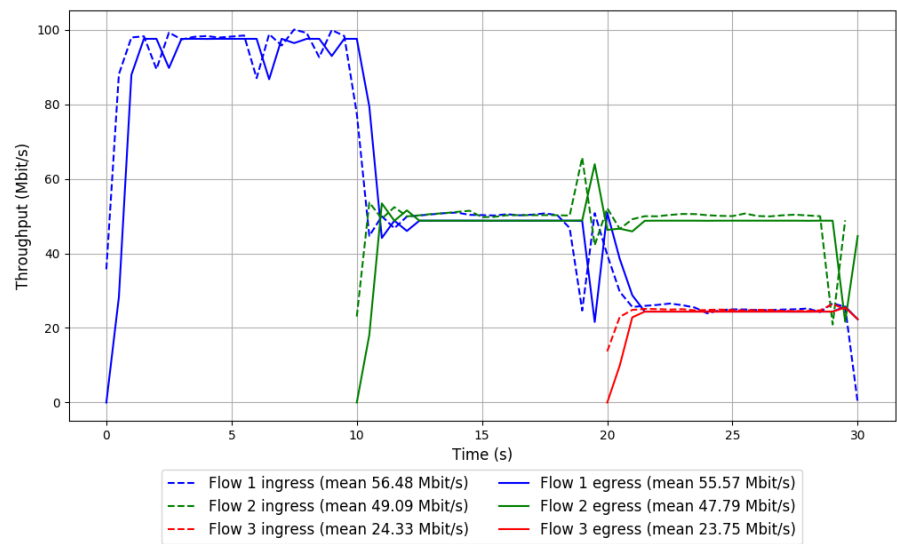


Run 7: Statistics of TCP BBR

Start at: 2018-05-22 17:57:44
End at: 2018-05-22 17:58:14
Local clock offset: 1.35 ms
Remote clock offset: -14.261 ms

Below is generated by plot.py at 2018-05-22 19:06:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.23 Mbit/s
95th percentile per-packet one-way delay: 57.737 ms
Loss rate: 2.32%
-- Flow 1:
Average throughput: 55.57 Mbit/s
95th percentile per-packet one-way delay: 57.999 ms
Loss rate: 1.86%
-- Flow 2:
Average throughput: 47.79 Mbit/s
95th percentile per-packet one-way delay: 49.911 ms
Loss rate: 2.95%
-- Flow 3:
Average throughput: 23.75 Mbit/s
95th percentile per-packet one-way delay: 76.270 ms
Loss rate: 3.01%

Run 7: Report of TCP BBR — Data Link

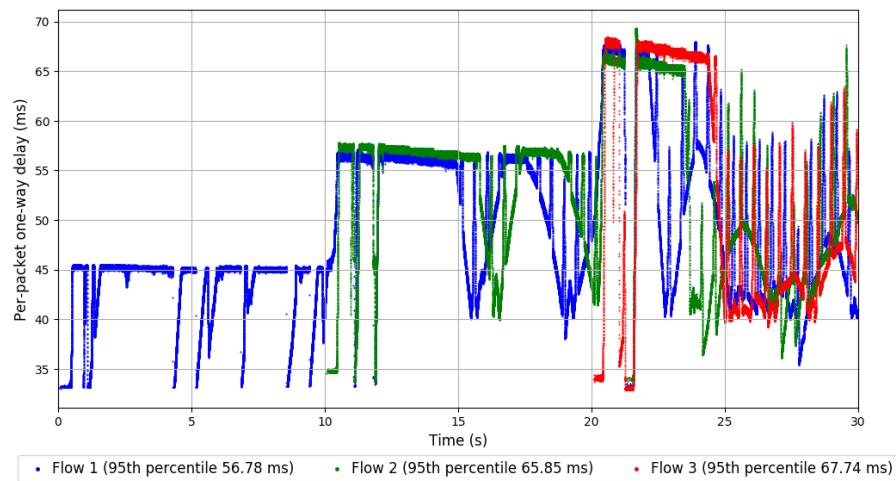
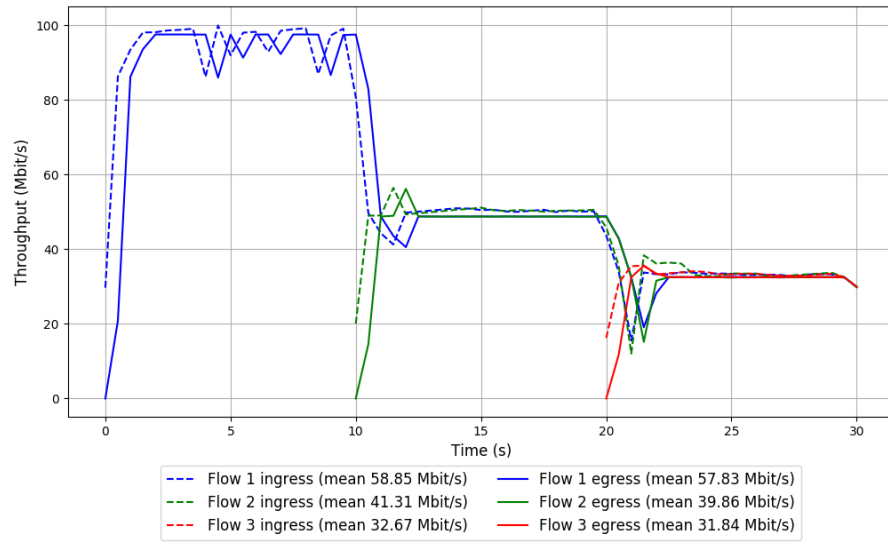


Run 8: Statistics of TCP BBR

Start at: 2018-05-22 18:19:08
End at: 2018-05-22 18:19:38
Local clock offset: 1.433 ms
Remote clock offset: -2.158 ms

Below is generated by plot.py at 2018-05-22 19:06:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.90 Mbit/s
95th percentile per-packet one-way delay: 66.409 ms
Loss rate: 2.59%
-- Flow 1:
Average throughput: 57.83 Mbit/s
95th percentile per-packet one-way delay: 56.784 ms
Loss rate: 1.93%
-- Flow 2:
Average throughput: 39.86 Mbit/s
95th percentile per-packet one-way delay: 65.850 ms
Loss rate: 3.79%
-- Flow 3:
Average throughput: 31.84 Mbit/s
95th percentile per-packet one-way delay: 67.742 ms
Loss rate: 3.13%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-05-22 18:40:42

End at: 2018-05-22 18:41:12

Local clock offset: 0.854 ms

Remote clock offset: 2.903 ms

Below is generated by plot.py at 2018-05-22 19:07:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.86 Mbit/s

95th percentile per-packet one-way delay: 64.871 ms

Loss rate: 2.25%

-- Flow 1:

Average throughput: 57.85 Mbit/s

95th percentile per-packet one-way delay: 64.991 ms

Loss rate: 1.95%

-- Flow 2:

Average throughput: 39.76 Mbit/s

95th percentile per-packet one-way delay: 64.893 ms

Loss rate: 2.63%

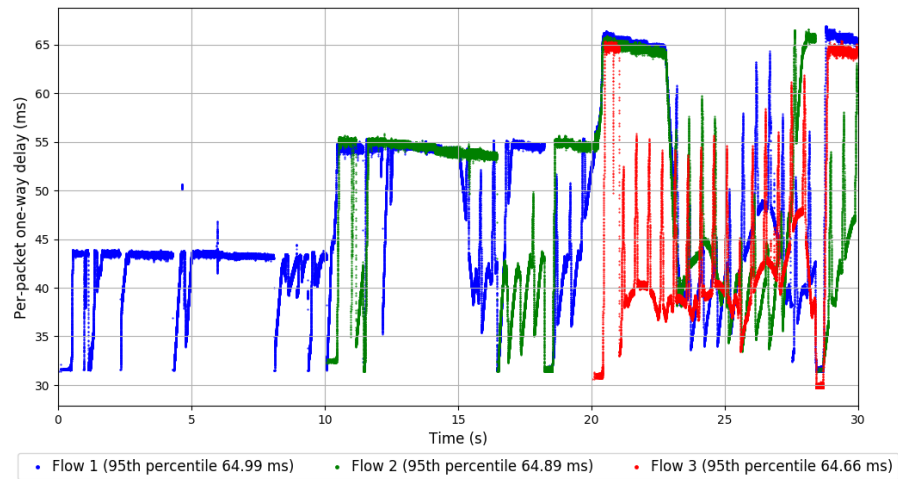
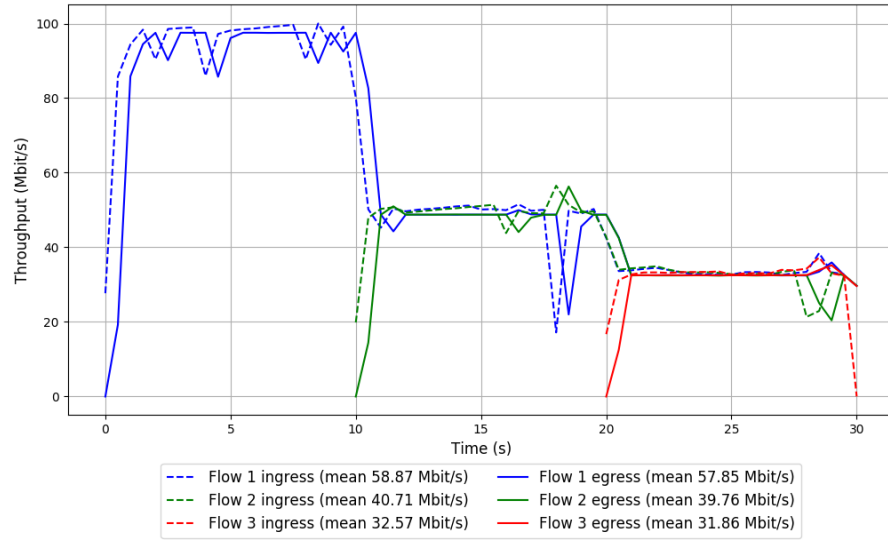
-- Flow 3:

Average throughput: 31.86 Mbit/s

95th percentile per-packet one-way delay: 64.660 ms

Loss rate: 2.92%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-05-22 19:02:02

End at: 2018-05-22 19:02:32

Local clock offset: 0.645 ms

Remote clock offset: 1.422 ms

Below is generated by plot.py at 2018-05-22 19:07:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.24 Mbit/s

95th percentile per-packet one-way delay: 59.121 ms

Loss rate: 2.75%

-- Flow 1:

Average throughput: 55.80 Mbit/s

95th percentile per-packet one-way delay: 49.076 ms

Loss rate: 2.34%

-- Flow 2:

Average throughput: 47.38 Mbit/s

95th percentile per-packet one-way delay: 49.019 ms

Loss rate: 3.21%

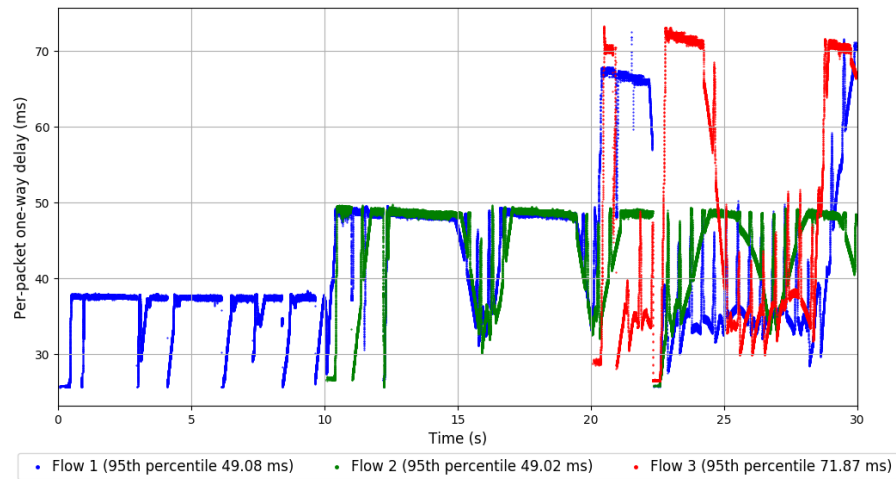
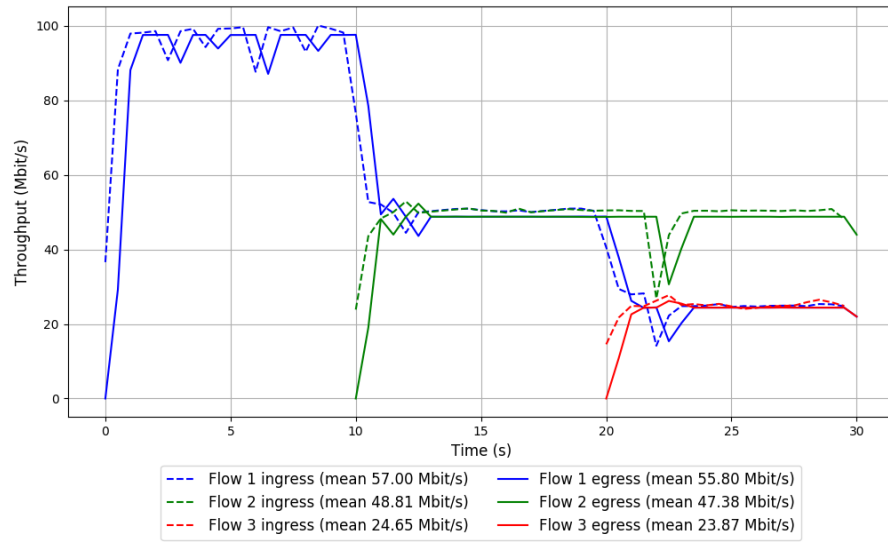
-- Flow 3:

Average throughput: 23.87 Mbit/s

95th percentile per-packet one-way delay: 71.867 ms

Loss rate: 3.74%

Run 10: Report of TCP BBR — Data Link

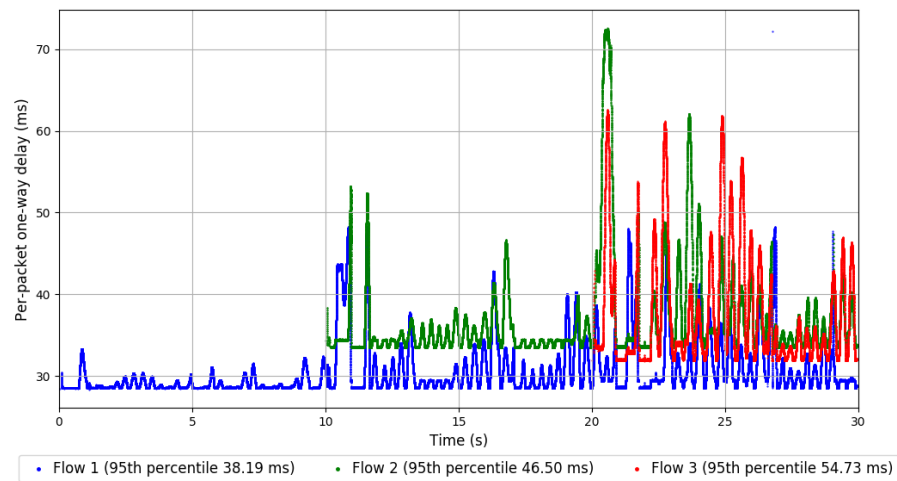
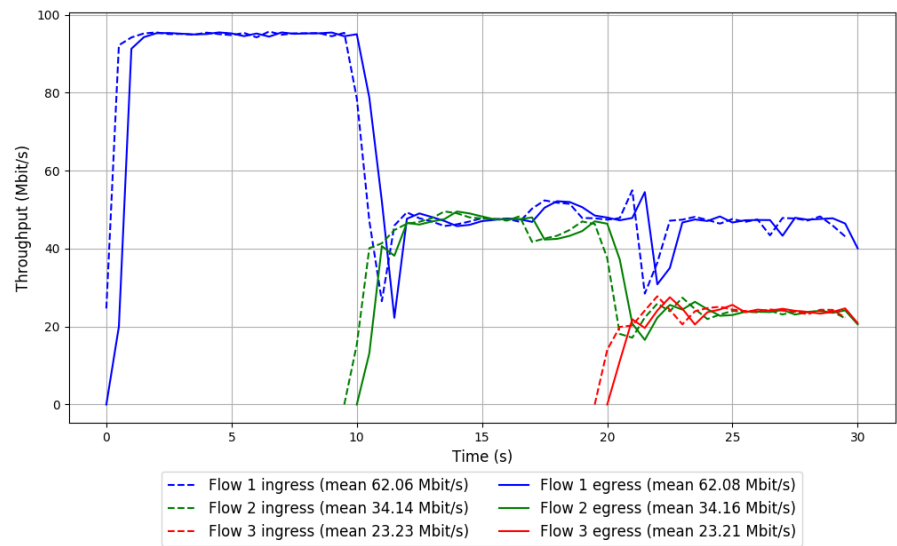


Run 1: Statistics of Copa

Start at: 2018-05-22 15:46:42
End at: 2018-05-22 15:47:12
Local clock offset: 1.345 ms
Remote clock offset: -2.902 ms

Below is generated by plot.py at 2018-05-22 19:08:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.53 Mbit/s
95th percentile per-packet one-way delay: 43.125 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 62.08 Mbit/s
95th percentile per-packet one-way delay: 38.190 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 34.16 Mbit/s
95th percentile per-packet one-way delay: 46.500 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 23.21 Mbit/s
95th percentile per-packet one-way delay: 54.735 ms
Loss rate: 0.68%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-05-22 16:07:58

End at: 2018-05-22 16:08:28

Local clock offset: 1.119 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-05-22 19:08:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.00 Mbit/s

95th percentile per-packet one-way delay: 44.889 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 54.53 Mbit/s

95th percentile per-packet one-way delay: 42.982 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 36.83 Mbit/s

95th percentile per-packet one-way delay: 44.420 ms

Loss rate: 0.24%

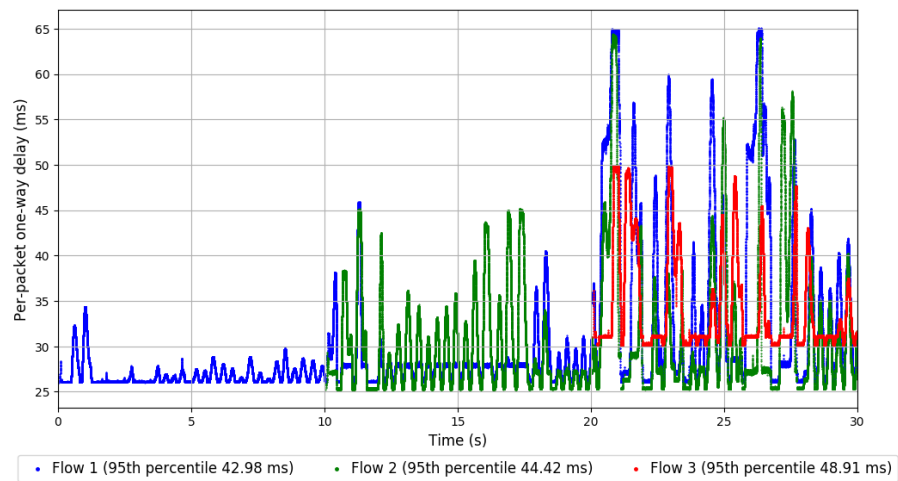
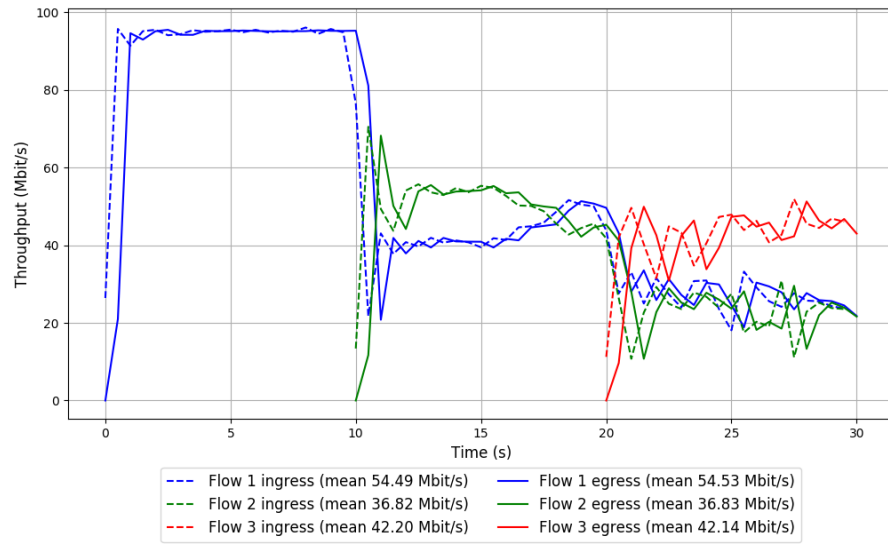
-- Flow 3:

Average throughput: 42.14 Mbit/s

95th percentile per-packet one-way delay: 48.911 ms

Loss rate: 0.76%

Run 2: Report of Copa — Data Link

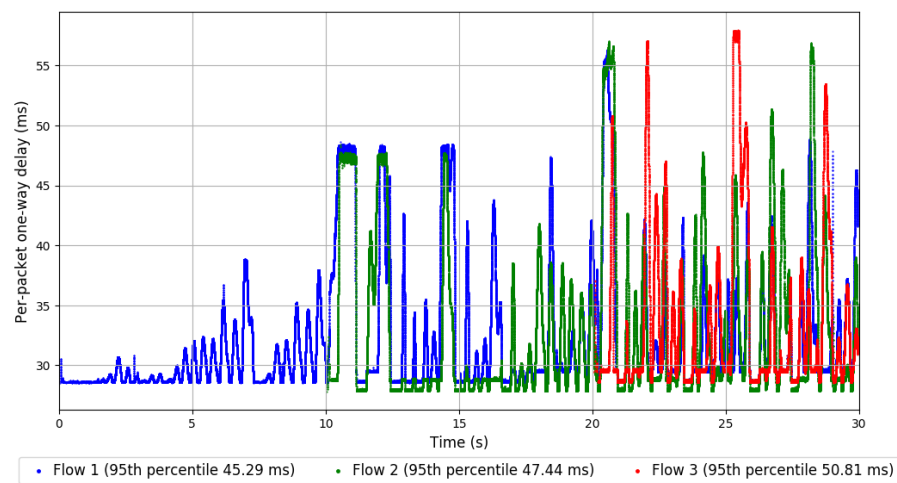
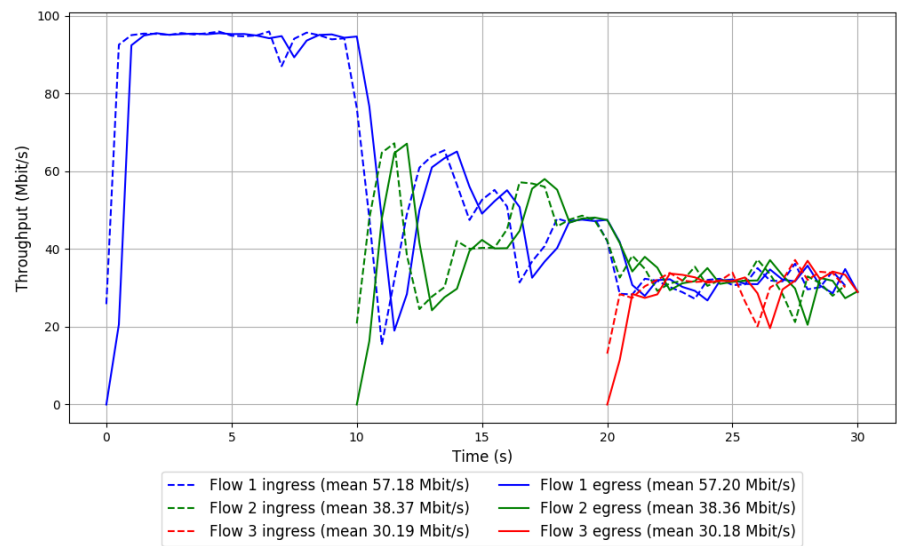


Run 3: Statistics of Copa

Start at: 2018-05-22 16:29:21
End at: 2018-05-22 16:29:51
Local clock offset: 0.974 ms
Remote clock offset: -1.759 ms

Below is generated by plot.py at 2018-05-22 19:08:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.74 Mbit/s
95th percentile per-packet one-way delay: 47.411 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 57.20 Mbit/s
95th percentile per-packet one-way delay: 45.292 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 38.36 Mbit/s
95th percentile per-packet one-way delay: 47.443 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 30.18 Mbit/s
95th percentile per-packet one-way delay: 50.810 ms
Loss rate: 0.63%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-05-22 16:50:39

End at: 2018-05-22 16:51:09

Local clock offset: 1.203 ms

Remote clock offset: -1.15 ms

Below is generated by plot.py at 2018-05-22 19:08:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.53 Mbit/s

95th percentile per-packet one-way delay: 47.003 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 55.86 Mbit/s

95th percentile per-packet one-way delay: 44.353 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 40.10 Mbit/s

95th percentile per-packet one-way delay: 48.610 ms

Loss rate: 0.27%

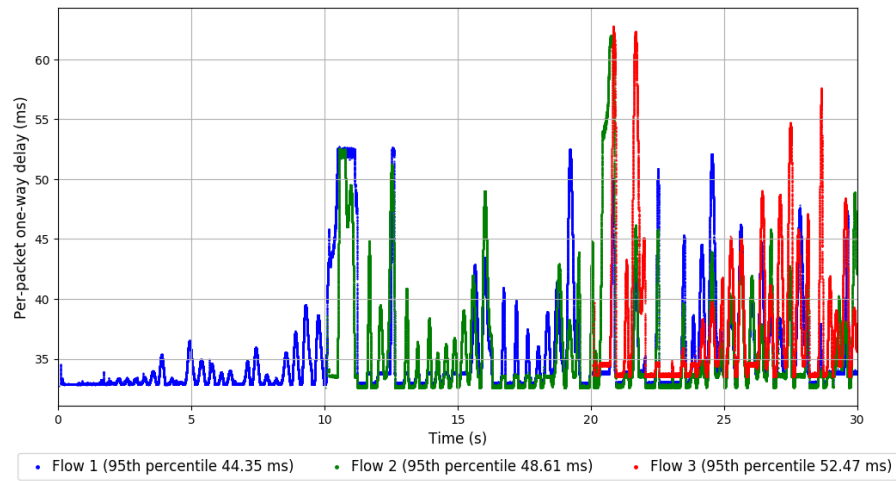
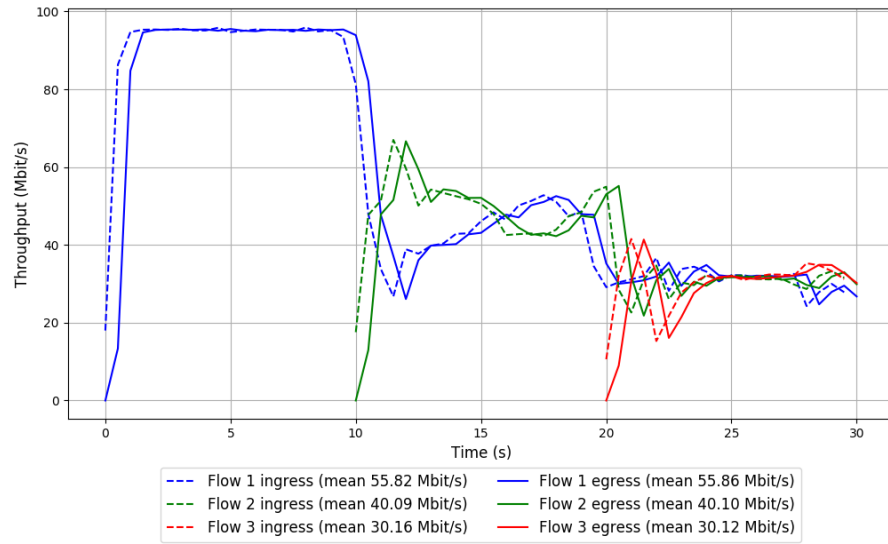
-- Flow 3:

Average throughput: 30.12 Mbit/s

95th percentile per-packet one-way delay: 52.465 ms

Loss rate: 0.76%

Run 4: Report of Copa — Data Link

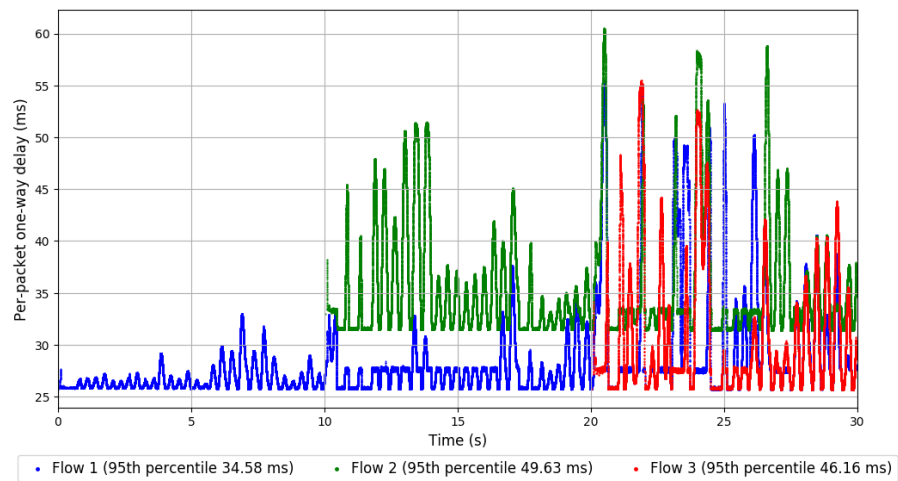
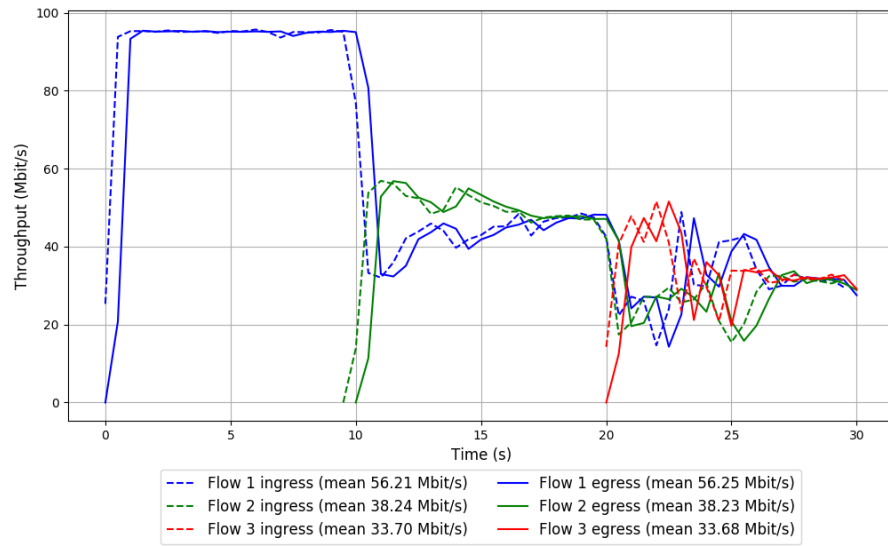


Run 5: Statistics of Copa

Start at: 2018-05-22 17:12:14
End at: 2018-05-22 17:12:44
Local clock offset: 1.04 ms
Remote clock offset: -7.438 ms

Below is generated by plot.py at 2018-05-22 19:08:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.86 Mbit/s
95th percentile per-packet one-way delay: 43.757 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 56.25 Mbit/s
95th percentile per-packet one-way delay: 34.583 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 38.23 Mbit/s
95th percentile per-packet one-way delay: 49.631 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 33.68 Mbit/s
95th percentile per-packet one-way delay: 46.165 ms
Loss rate: 0.61%

Run 5: Report of Copa — Data Link

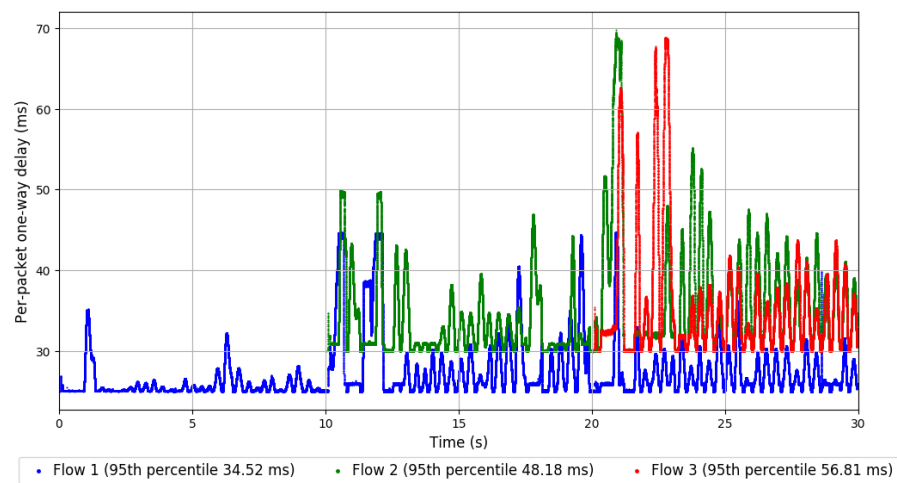
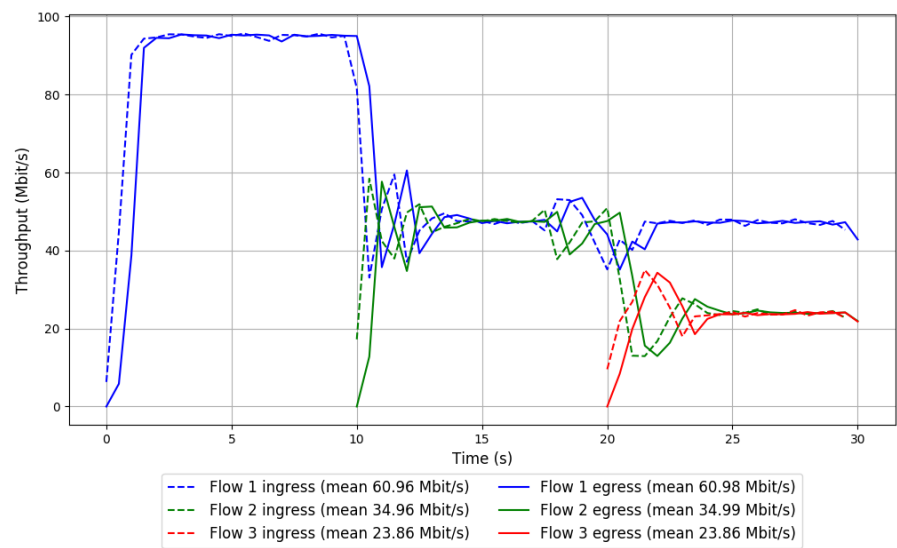


Run 6: Statistics of Copa

Start at: 2018-05-22 17:33:32
End at: 2018-05-22 17:34:02
Local clock offset: 1.419 ms
Remote clock offset: -10.599 ms

Below is generated by plot.py at 2018-05-22 19:08:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.17 Mbit/s
95th percentile per-packet one-way delay: 42.617 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 60.98 Mbit/s
95th percentile per-packet one-way delay: 34.520 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 34.99 Mbit/s
95th percentile per-packet one-way delay: 48.184 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 23.86 Mbit/s
95th percentile per-packet one-way delay: 56.809 ms
Loss rate: 0.61%

Run 6: Report of Copa — Data Link

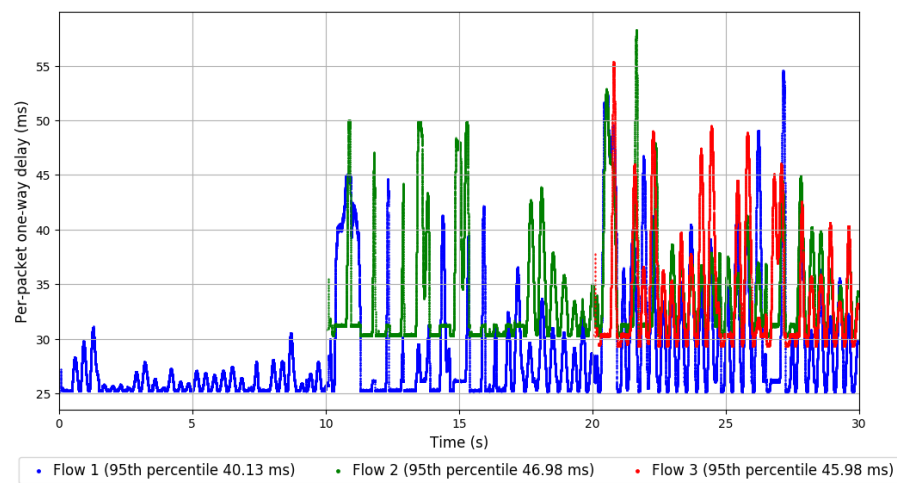
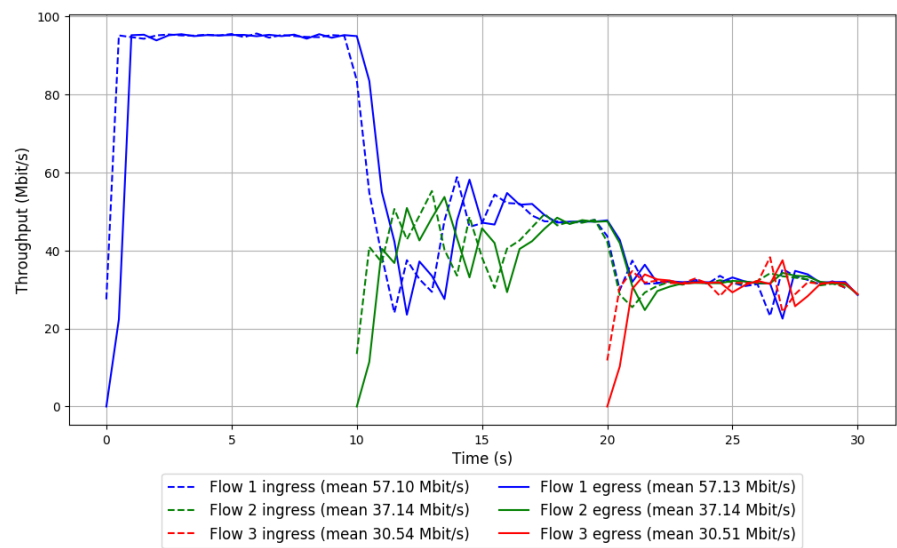


Run 7: Statistics of Copa

Start at: 2018-05-22 17:55:00
End at: 2018-05-22 17:55:30
Local clock offset: 1.418 ms
Remote clock offset: -13.496 ms

Below is generated by plot.py at 2018-05-22 19:09:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.96 Mbit/s
95th percentile per-packet one-way delay: 43.054 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 57.13 Mbit/s
95th percentile per-packet one-way delay: 40.130 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 37.14 Mbit/s
95th percentile per-packet one-way delay: 46.979 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 30.51 Mbit/s
95th percentile per-packet one-way delay: 45.978 ms
Loss rate: 0.69%

Run 7: Report of Copa — Data Link

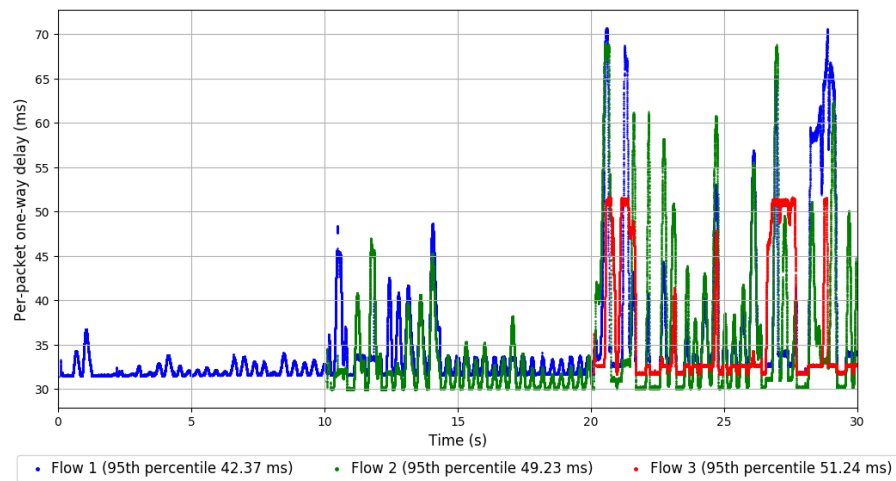
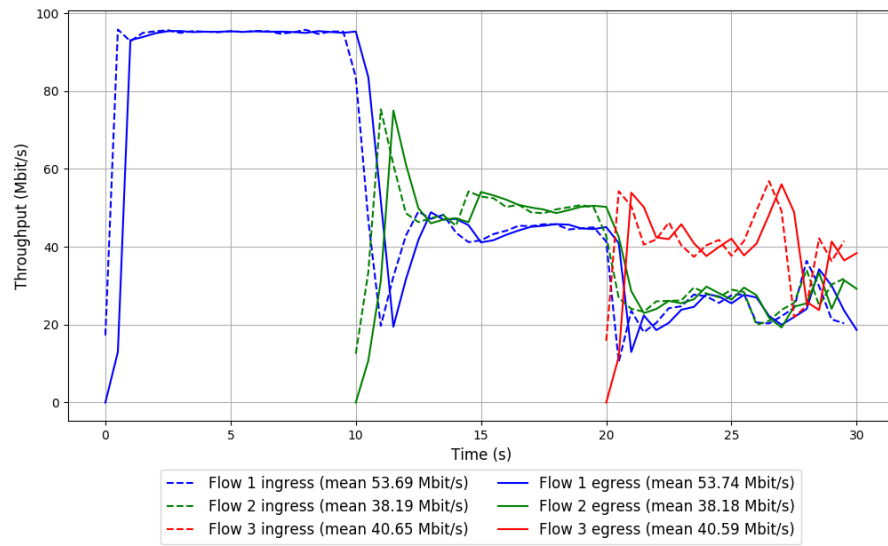


Run 8: Statistics of Copa

Start at: 2018-05-22 18:16:22
End at: 2018-05-22 18:16:52
Local clock offset: 1.326 ms
Remote clock offset: -1.307 ms

Below is generated by plot.py at 2018-05-22 19:09:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.60 Mbit/s
95th percentile per-packet one-way delay: 50.672 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 53.74 Mbit/s
95th percentile per-packet one-way delay: 42.365 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 38.18 Mbit/s
95th percentile per-packet one-way delay: 49.226 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 40.59 Mbit/s
95th percentile per-packet one-way delay: 51.243 ms
Loss rate: 0.76%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-05-22 18:37:58

End at: 2018-05-22 18:38:28

Local clock offset: 0.821 ms

Remote clock offset: 4.212 ms

Below is generated by plot.py at 2018-05-22 19:10:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.80 Mbit/s

95th percentile per-packet one-way delay: 44.835 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 60.14 Mbit/s

95th percentile per-packet one-way delay: 38.264 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 35.28 Mbit/s

95th percentile per-packet one-way delay: 49.903 ms

Loss rate: 0.26%

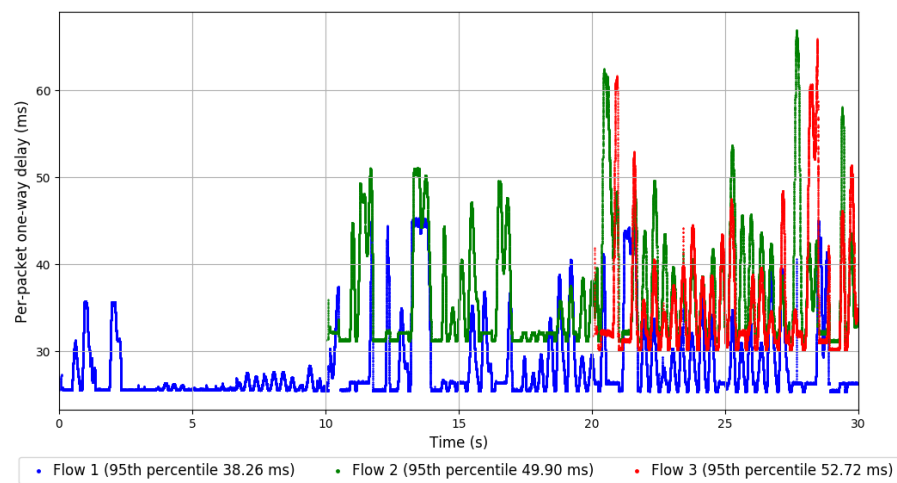
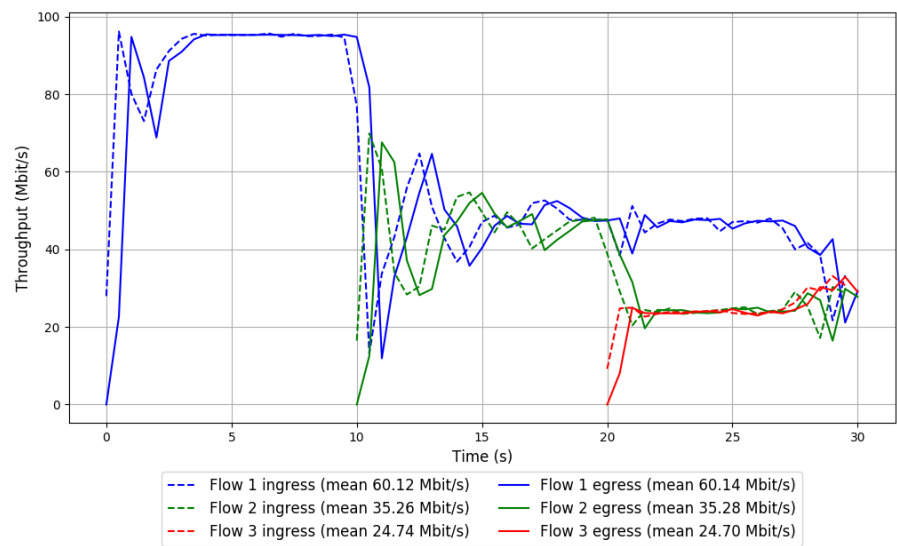
-- Flow 3:

Average throughput: 24.70 Mbit/s

95th percentile per-packet one-way delay: 52.717 ms

Loss rate: 0.77%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-05-22 18:59:18

End at: 2018-05-22 18:59:48

Local clock offset: 0.714 ms

Remote clock offset: 1.759 ms

Below is generated by plot.py at 2018-05-22 19:10:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.85 Mbit/s

95th percentile per-packet one-way delay: 46.197 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 57.08 Mbit/s

95th percentile per-packet one-way delay: 44.135 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 38.15 Mbit/s

95th percentile per-packet one-way delay: 48.804 ms

Loss rate: 0.32%

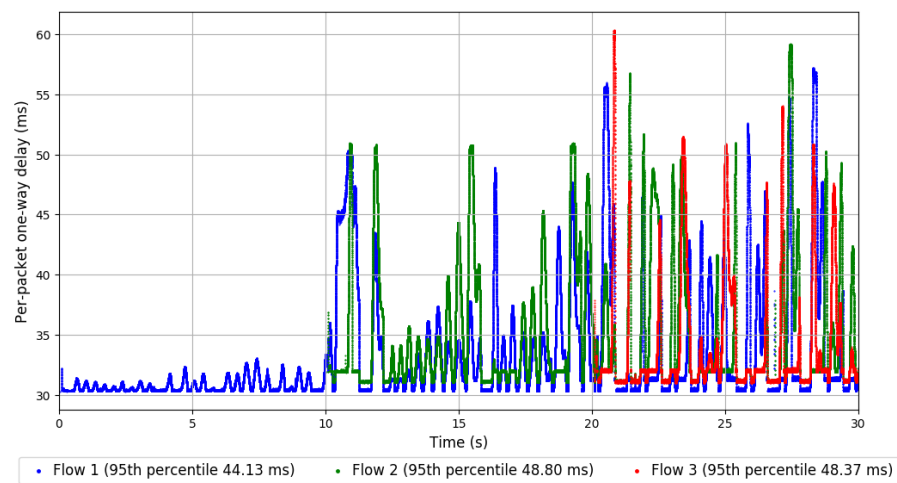
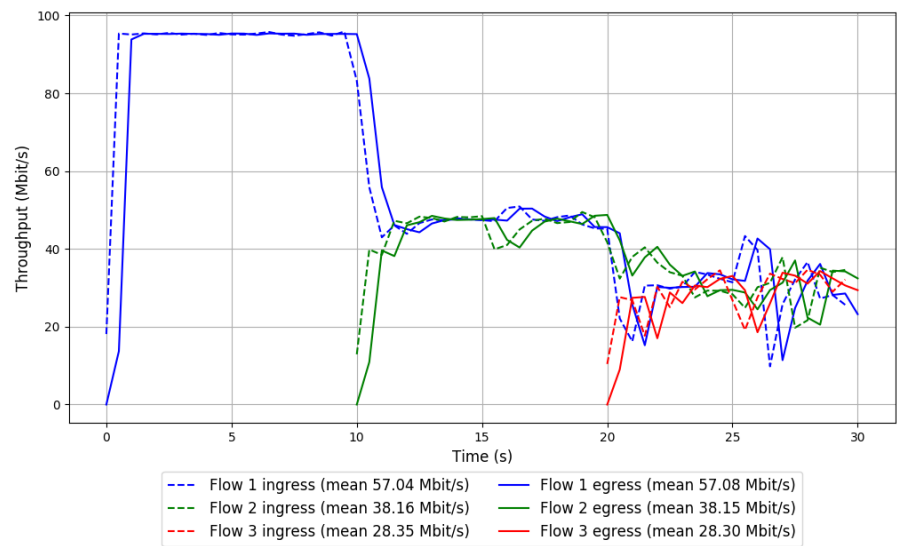
-- Flow 3:

Average throughput: 28.30 Mbit/s

95th percentile per-packet one-way delay: 48.373 ms

Loss rate: 0.81%

Run 10: Report of Copa — Data Link

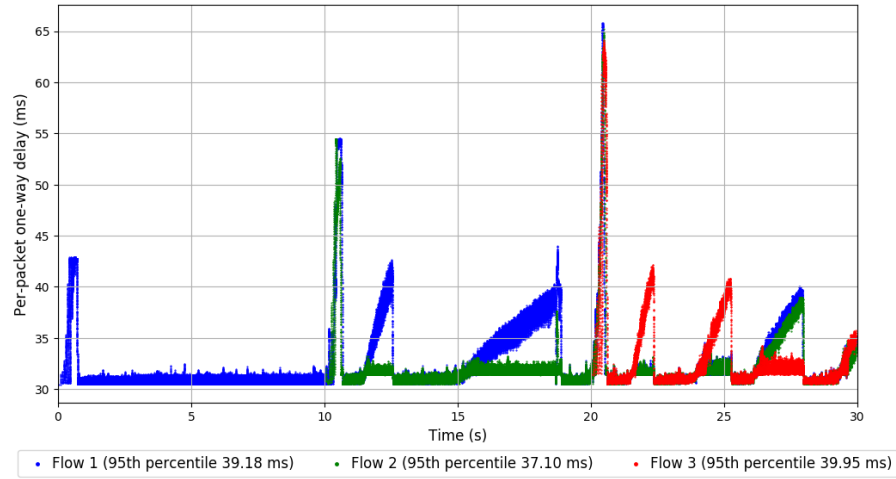
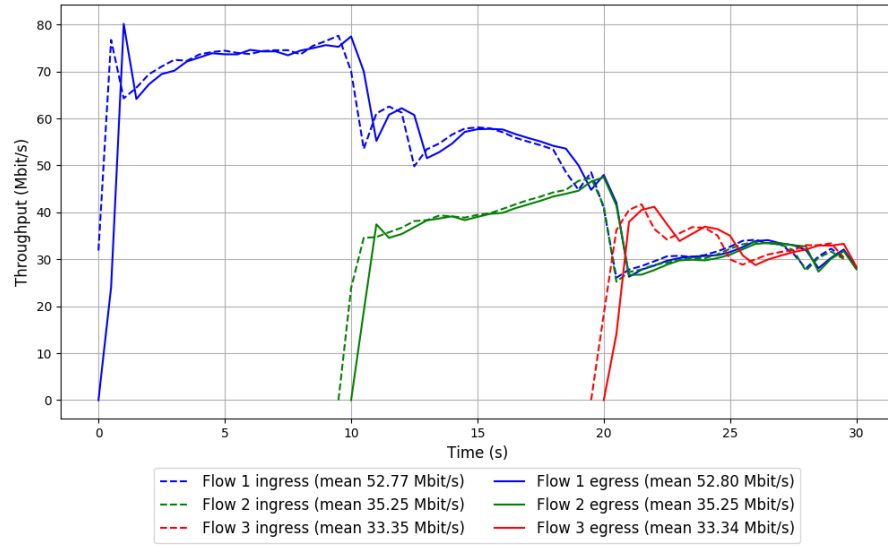


Run 1: Statistics of TCP Cubic

Start at: 2018-05-22 15:48:05
End at: 2018-05-22 15:48:35
Local clock offset: 1.447 ms
Remote clock offset: -0.741 ms

Below is generated by plot.py at 2018-05-22 19:10:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.32 Mbit/s
95th percentile per-packet one-way delay: 38.979 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 52.80 Mbit/s
95th percentile per-packet one-way delay: 39.183 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 35.25 Mbit/s
95th percentile per-packet one-way delay: 37.096 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 33.34 Mbit/s
95th percentile per-packet one-way delay: 39.947 ms
Loss rate: 0.64%

Run 1: Report of TCP Cubic — Data Link

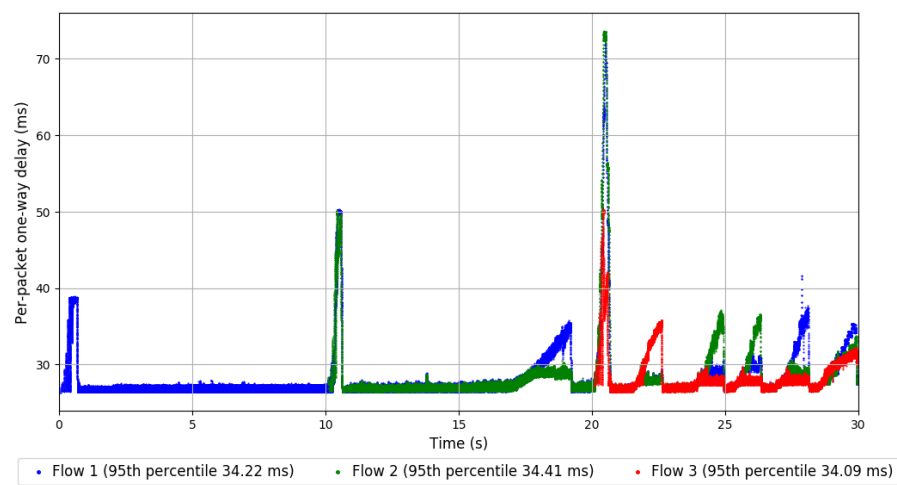
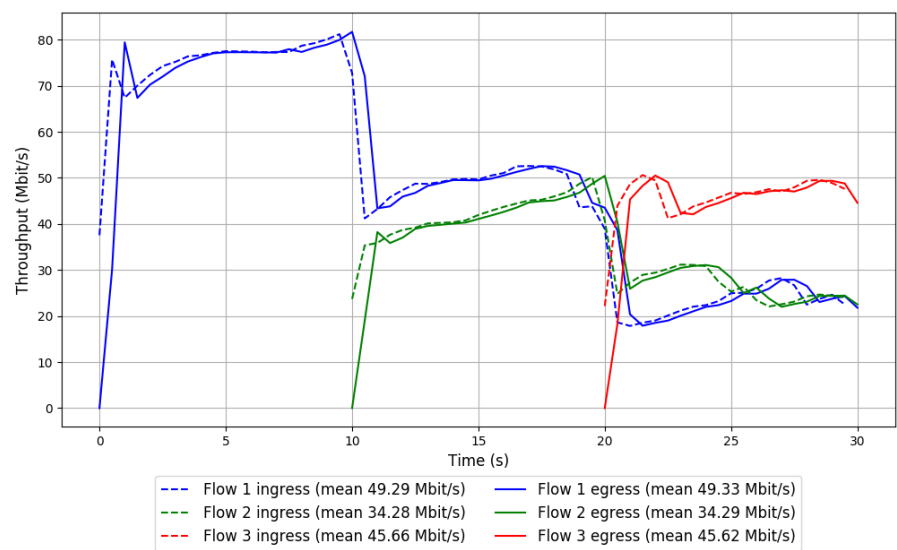


Run 2: Statistics of TCP Cubic

Start at: 2018-05-22 16:09:23
End at: 2018-05-22 16:09:53
Local clock offset: 1.001 ms
Remote clock offset: -0.412 ms

Below is generated by plot.py at 2018-05-22 19:10:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.27 Mbit/s
95th percentile per-packet one-way delay: 34.228 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 49.33 Mbit/s
95th percentile per-packet one-way delay: 34.218 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 34.29 Mbit/s
95th percentile per-packet one-way delay: 34.413 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 45.62 Mbit/s
95th percentile per-packet one-way delay: 34.086 ms
Loss rate: 0.67%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

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

End at: 2018-05-22 16:31:15

Local clock offset: 1.003 ms

Remote clock offset: 0.893 ms

Below is generated by plot.py at 2018-05-22 19:10:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.51 Mbit/s

95th percentile per-packet one-way delay: 37.583 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 57.19 Mbit/s

95th percentile per-packet one-way delay: 37.149 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 38.31 Mbit/s

95th percentile per-packet one-way delay: 37.975 ms

Loss rate: 0.26%

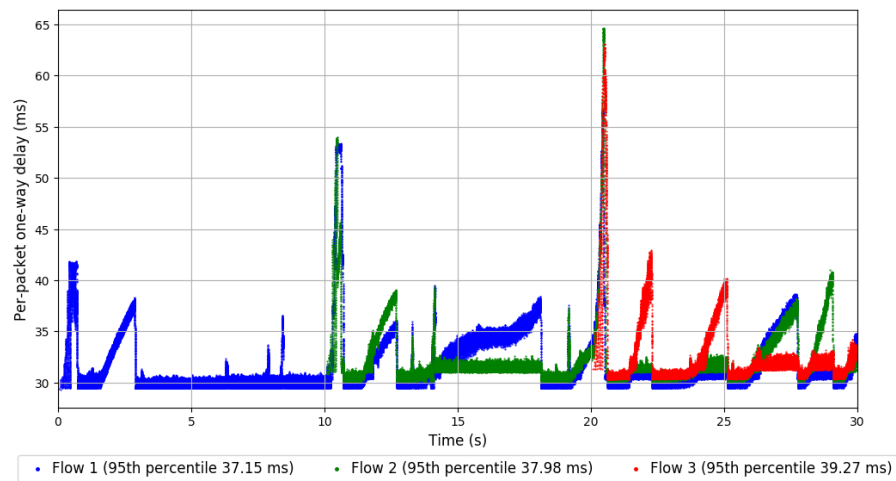
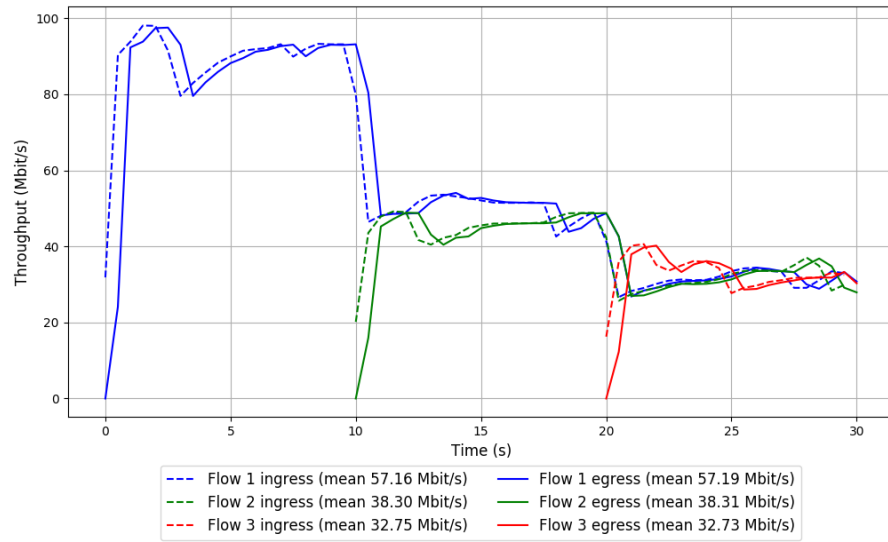
-- Flow 3:

Average throughput: 32.73 Mbit/s

95th percentile per-packet one-way delay: 39.274 ms

Loss rate: 0.65%

Run 3: Report of TCP Cubic — Data Link

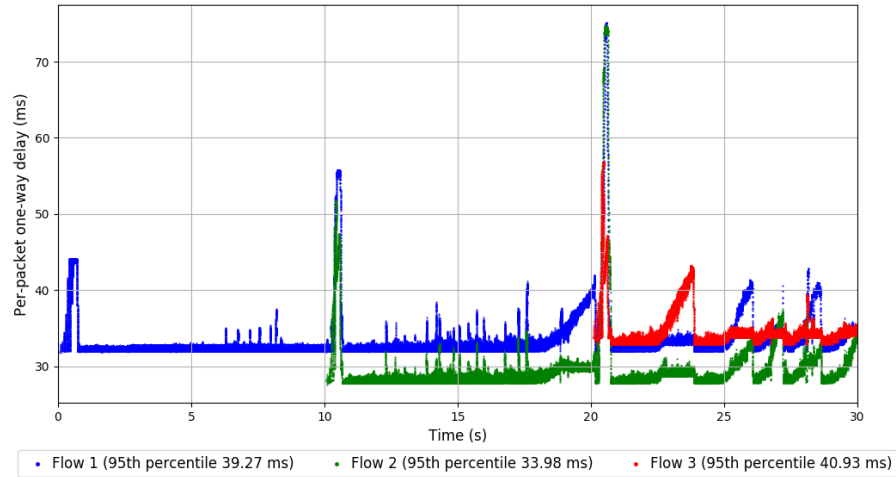
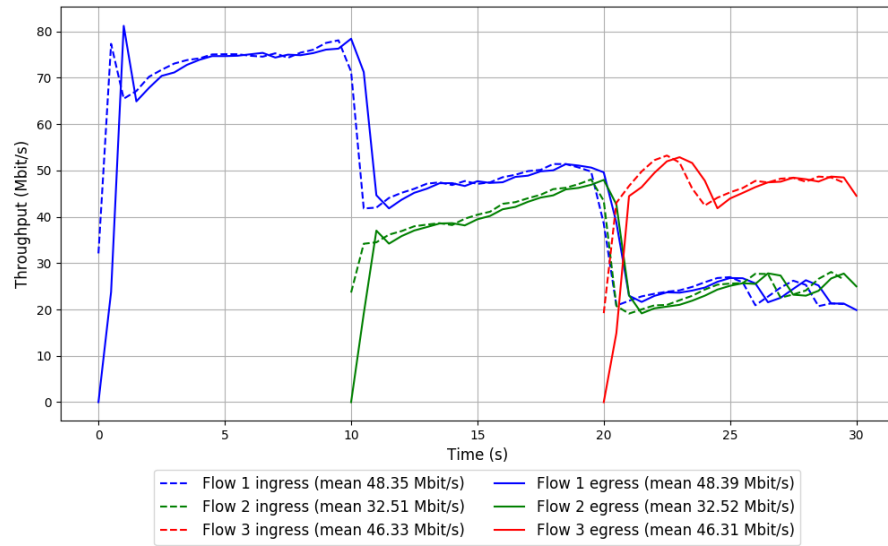


Run 4: Statistics of TCP Cubic

Start at: 2018-05-22 16:52:06
End at: 2018-05-22 16:52:36
Local clock offset: 1.235 ms
Remote clock offset: -1.111 ms

Below is generated by plot.py at 2018-05-22 19:10:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.36 Mbit/s
95th percentile per-packet one-way delay: 39.281 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 48.39 Mbit/s
95th percentile per-packet one-way delay: 39.265 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 32.52 Mbit/s
95th percentile per-packet one-way delay: 33.985 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 46.31 Mbit/s
95th percentile per-packet one-way delay: 40.933 ms
Loss rate: 0.67%

Run 4: Report of TCP Cubic — Data Link

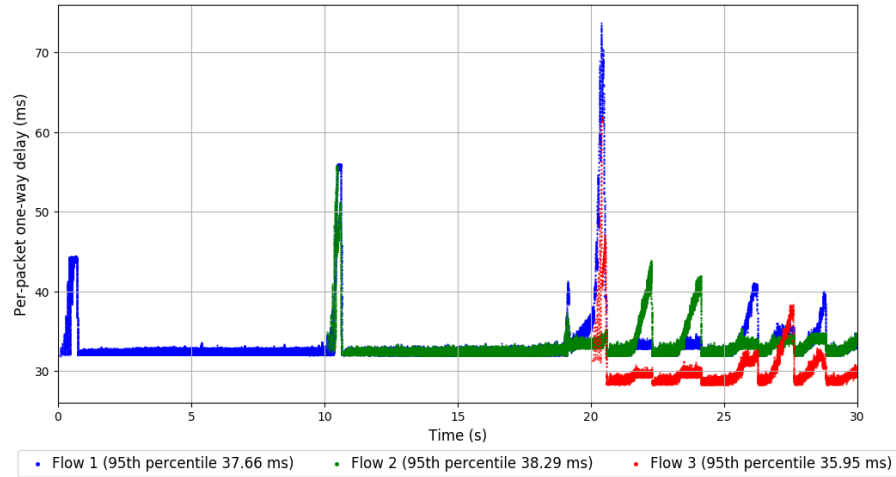
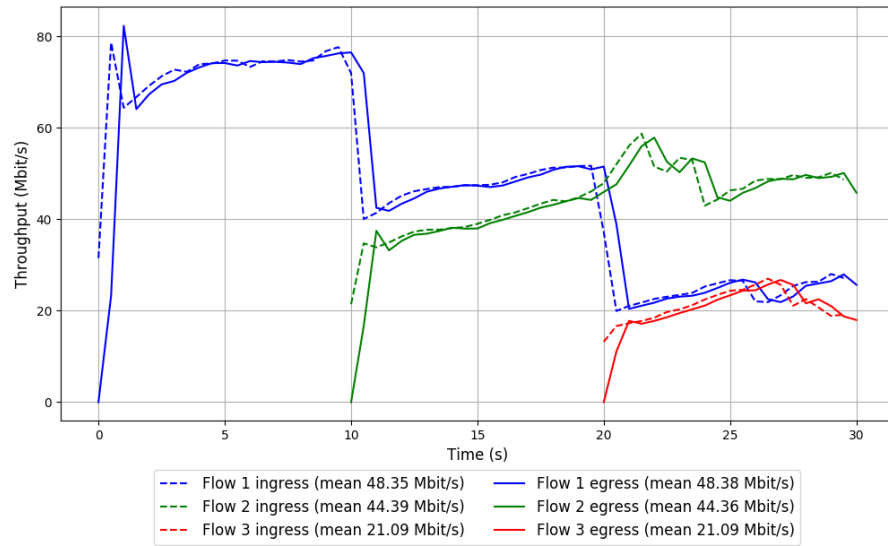


Run 5: Statistics of TCP Cubic

Start at: 2018-05-22 17:13:38
End at: 2018-05-22 17:14:08
Local clock offset: 1.105 ms
Remote clock offset: -9.743 ms

Below is generated by plot.py at 2018-05-22 19:10:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.89 Mbit/s
95th percentile per-packet one-way delay: 37.805 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 48.38 Mbit/s
95th percentile per-packet one-way delay: 37.655 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 44.36 Mbit/s
95th percentile per-packet one-way delay: 38.289 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 21.09 Mbit/s
95th percentile per-packet one-way delay: 35.945 ms
Loss rate: 0.57%

Run 5: Report of TCP Cubic — Data Link

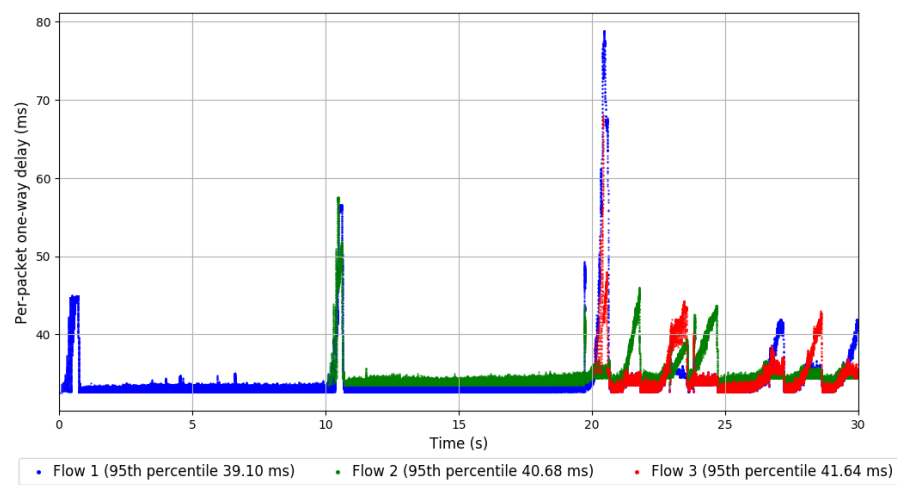
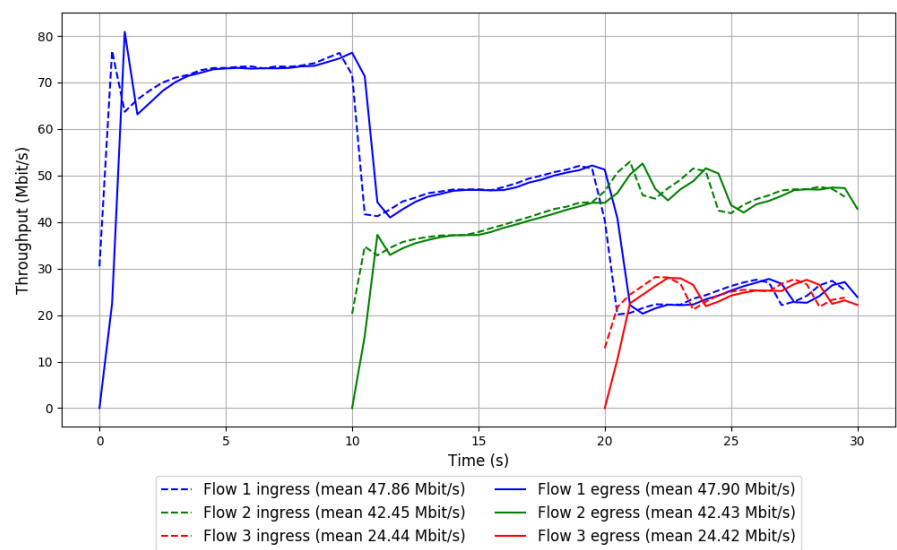


Run 6: Statistics of TCP Cubic

Start at: 2018-05-22 17:34:56
End at: 2018-05-22 17:35:26
Local clock offset: 1.405 ms
Remote clock offset: -13.257 ms

Below is generated by plot.py at 2018-05-22 19:10:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.22 Mbit/s
95th percentile per-packet one-way delay: 40.533 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 47.90 Mbit/s
95th percentile per-packet one-way delay: 39.100 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 42.43 Mbit/s
95th percentile per-packet one-way delay: 40.676 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 24.42 Mbit/s
95th percentile per-packet one-way delay: 41.644 ms
Loss rate: 0.66%

Run 6: Report of TCP Cubic — Data Link

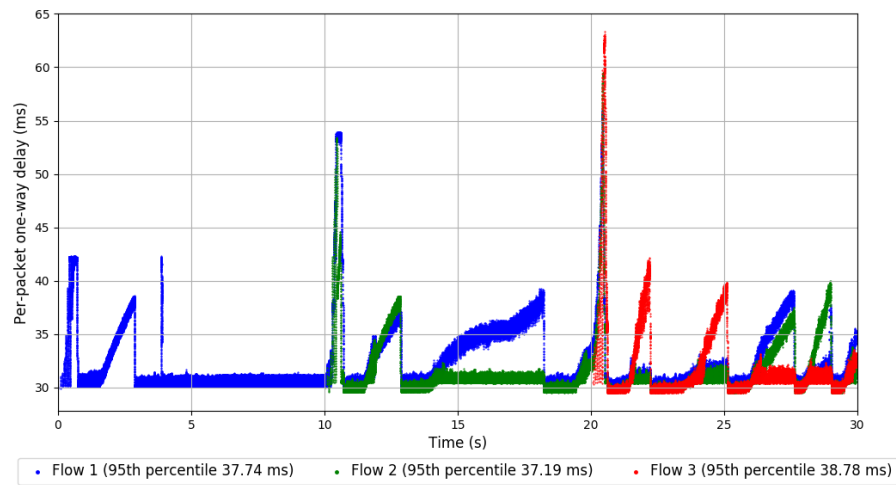
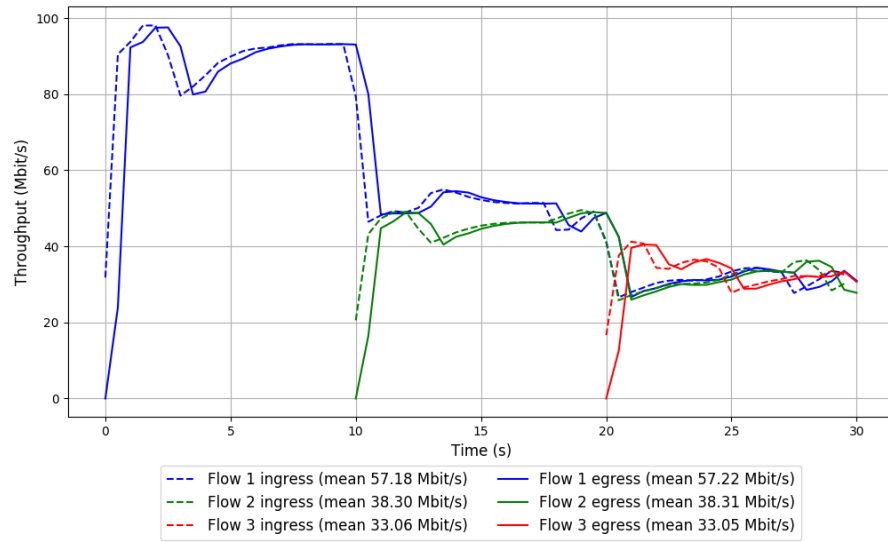


Run 7: Statistics of TCP Cubic

Start at: 2018-05-22 17:56:24
End at: 2018-05-22 17:56:54
Local clock offset: 1.418 ms
Remote clock offset: -13.642 ms

Below is generated by plot.py at 2018-05-22 19:10:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.65 Mbit/s
95th percentile per-packet one-way delay: 37.747 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 57.22 Mbit/s
95th percentile per-packet one-way delay: 37.743 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 38.31 Mbit/s
95th percentile per-packet one-way delay: 37.191 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 33.05 Mbit/s
95th percentile per-packet one-way delay: 38.785 ms
Loss rate: 0.64%

Run 7: Report of TCP Cubic — Data Link

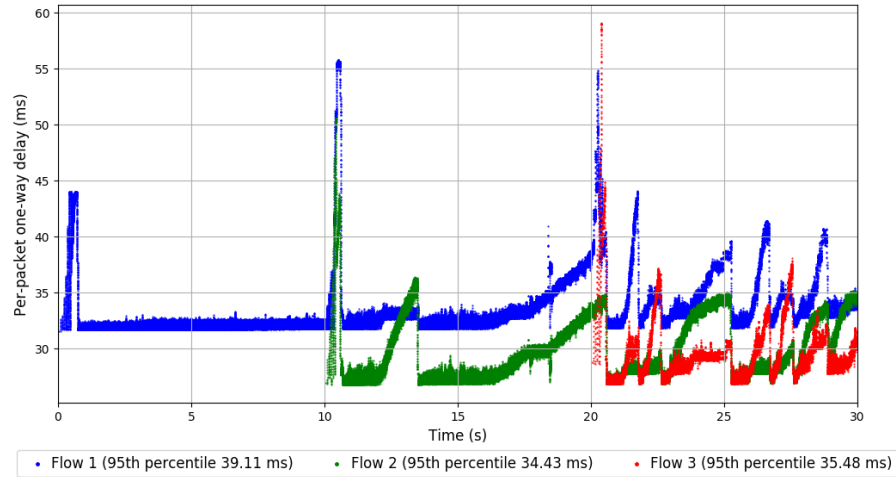
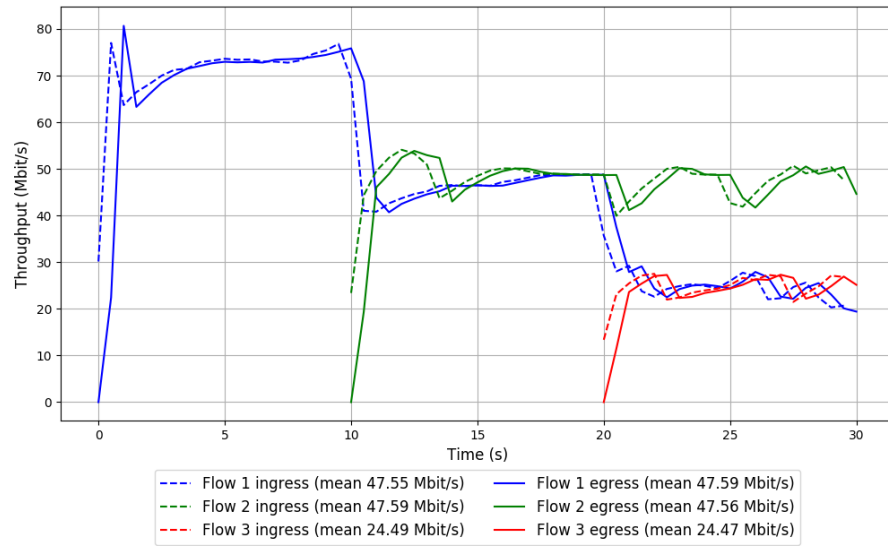


Run 8: Statistics of TCP Cubic

Start at: 2018-05-22 18:17:47
End at: 2018-05-22 18:18:17
Local clock offset: 1.437 ms
Remote clock offset: -0.691 ms

Below is generated by plot.py at 2018-05-22 19:10:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.37 Mbit/s
95th percentile per-packet one-way delay: 37.335 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 47.59 Mbit/s
95th percentile per-packet one-way delay: 39.109 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 47.56 Mbit/s
95th percentile per-packet one-way delay: 34.430 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 24.47 Mbit/s
95th percentile per-packet one-way delay: 35.485 ms
Loss rate: 0.68%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-05-22 18:39:22

End at: 2018-05-22 18:39:52

Local clock offset: 0.881 ms

Remote clock offset: 3.901 ms

Below is generated by plot.py at 2018-05-22 19:10:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.81 Mbit/s

95th percentile per-packet one-way delay: 36.505 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 57.28 Mbit/s

95th percentile per-packet one-way delay: 32.960 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 35.02 Mbit/s

95th percentile per-packet one-way delay: 38.737 ms

Loss rate: 0.26%

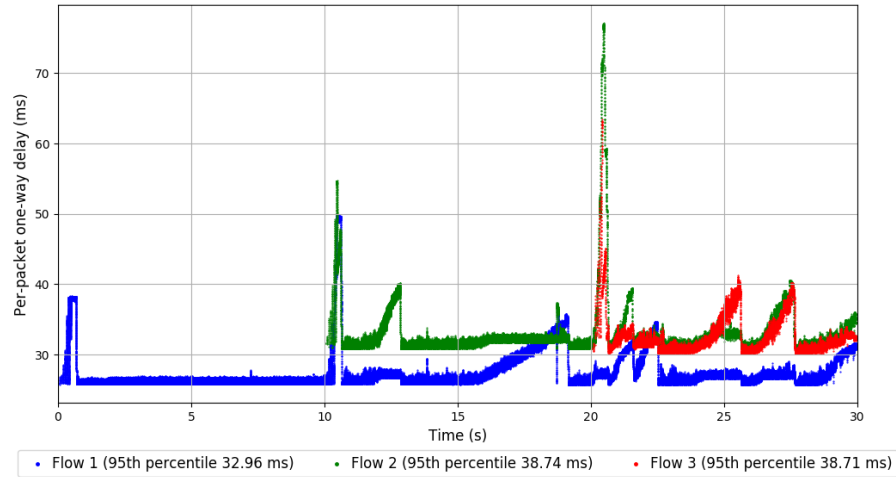
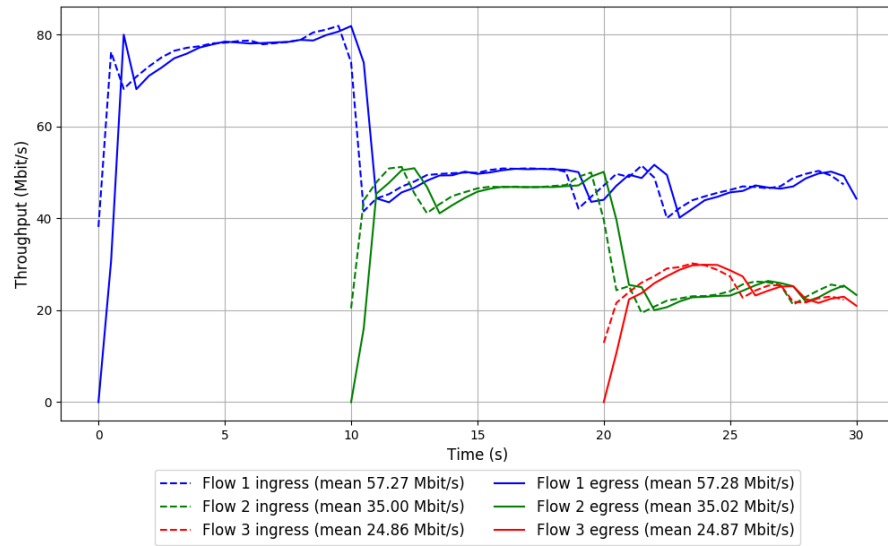
-- Flow 3:

Average throughput: 24.87 Mbit/s

95th percentile per-packet one-way delay: 38.713 ms

Loss rate: 0.61%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-05-22 19:00:42

End at: 2018-05-22 19:01:12

Local clock offset: 0.726 ms

Remote clock offset: 1.317 ms

Below is generated by plot.py at 2018-05-22 19:10:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.66 Mbit/s

95th percentile per-packet one-way delay: 37.471 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 50.04 Mbit/s

95th percentile per-packet one-way delay: 33.068 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 46.20 Mbit/s

95th percentile per-packet one-way delay: 38.464 ms

Loss rate: 0.32%

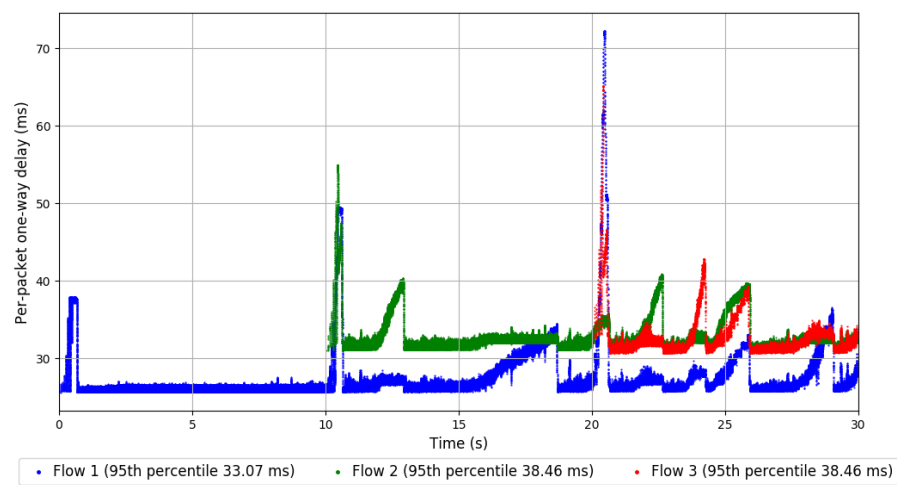
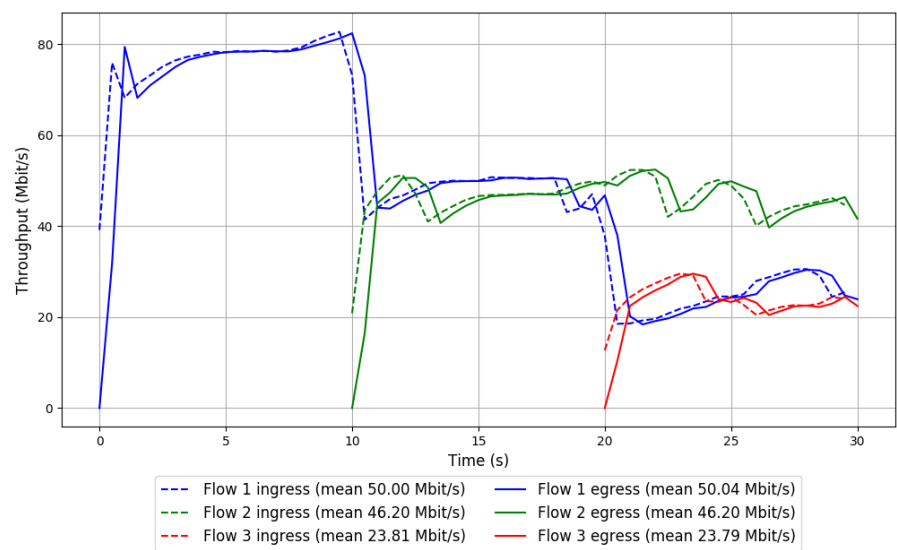
-- Flow 3:

Average throughput: 23.79 Mbit/s

95th percentile per-packet one-way delay: 38.462 ms

Loss rate: 0.67%

Run 10: Report of TCP Cubic — Data Link

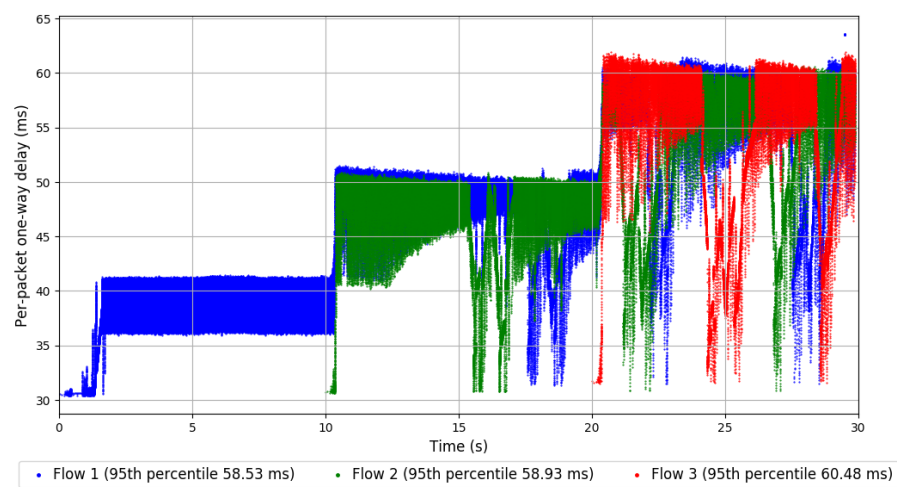
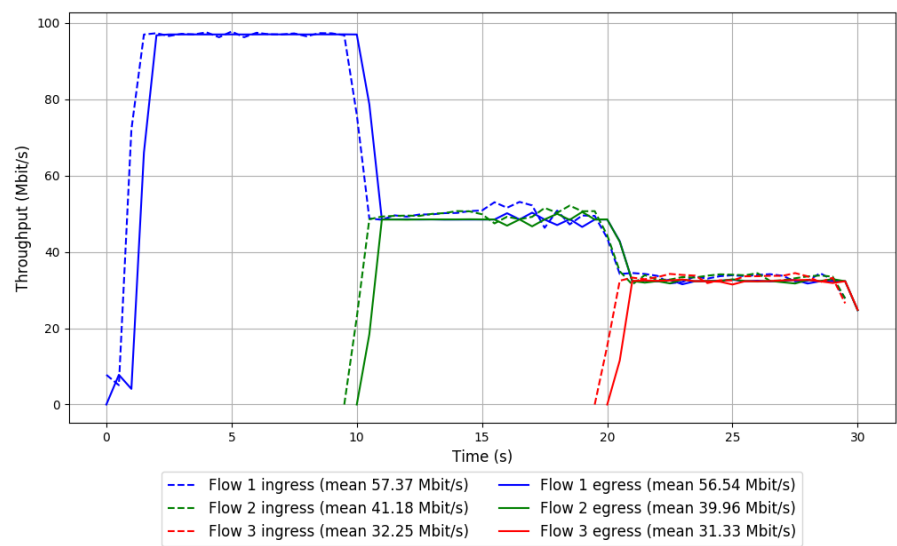


Run 1: Statistics of FillP

Start at: 2018-05-22 15:50:47
End at: 2018-05-22 15:51:17
Local clock offset: 1.489 ms
Remote clock offset: -0.693 ms

Below is generated by plot.py at 2018-05-22 19:11:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.50 Mbit/s
95th percentile per-packet one-way delay: 59.266 ms
Loss rate: 2.36%
-- Flow 1:
Average throughput: 56.54 Mbit/s
95th percentile per-packet one-way delay: 58.526 ms
Loss rate: 1.70%
-- Flow 2:
Average throughput: 39.96 Mbit/s
95th percentile per-packet one-way delay: 58.928 ms
Loss rate: 3.32%
-- Flow 3:
Average throughput: 31.33 Mbit/s
95th percentile per-packet one-way delay: 60.478 ms
Loss rate: 3.48%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-05-22 16:12:06

End at: 2018-05-22 16:12:36

Local clock offset: 1.025 ms

Remote clock offset: -0.29 ms

Below is generated by plot.py at 2018-05-22 19:11:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.30 Mbit/s

95th percentile per-packet one-way delay: 57.601 ms

Loss rate: 2.17%

-- Flow 1:

Average throughput: 58.12 Mbit/s

95th percentile per-packet one-way delay: 58.943 ms

Loss rate: 1.37%

-- Flow 2:

Average throughput: 38.82 Mbit/s

95th percentile per-packet one-way delay: 54.964 ms

Loss rate: 3.17%

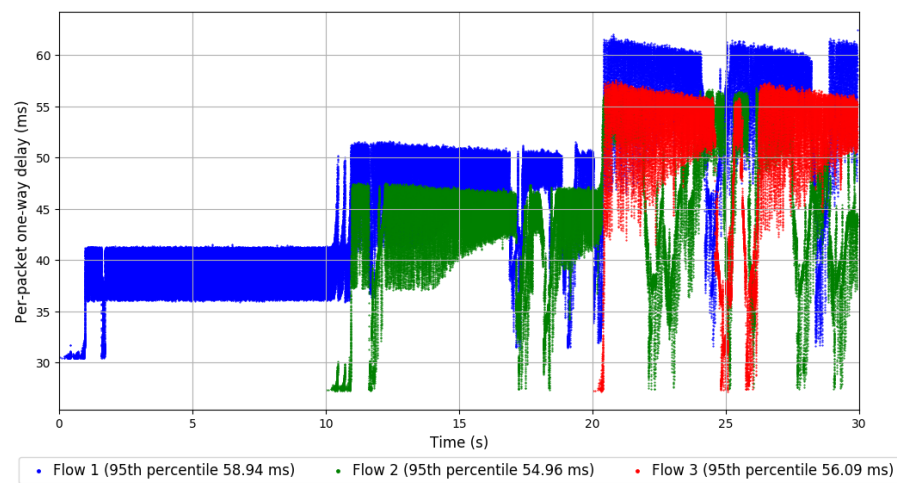
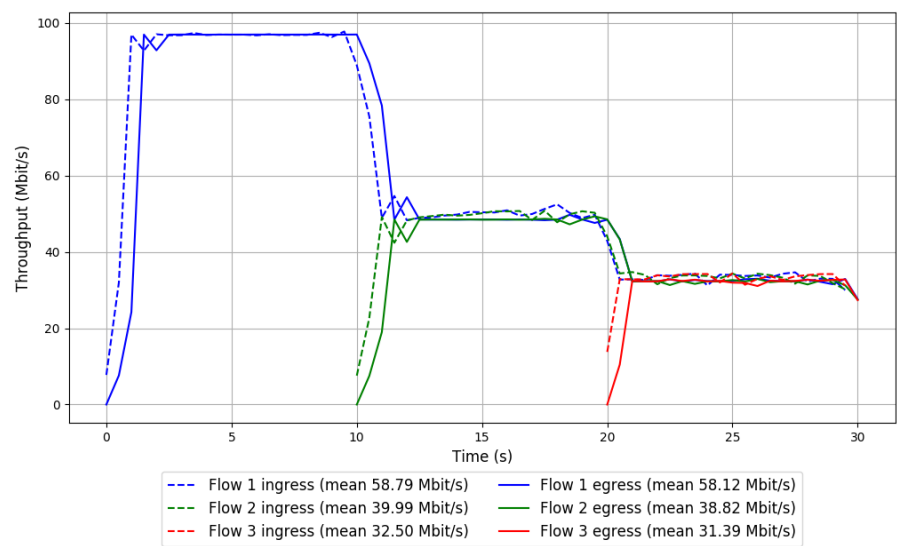
-- Flow 3:

Average throughput: 31.39 Mbit/s

95th percentile per-packet one-way delay: 56.093 ms

Loss rate: 4.08%

Run 2: Report of FillP — Data Link

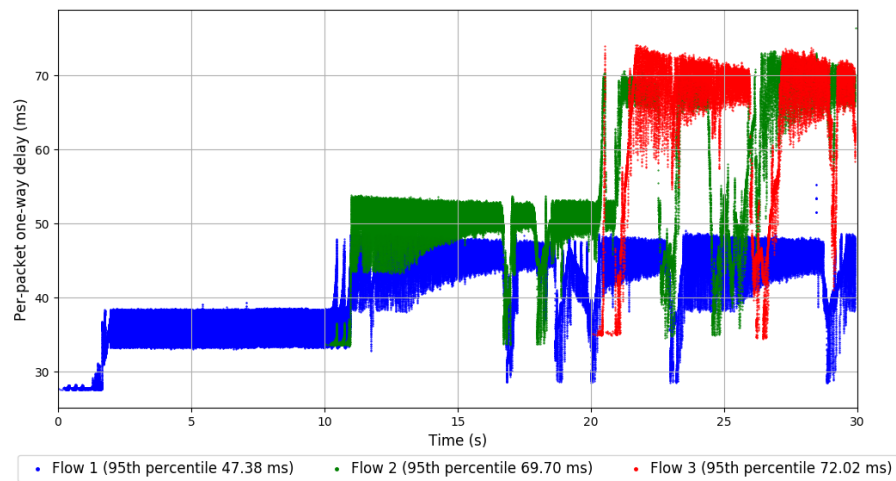
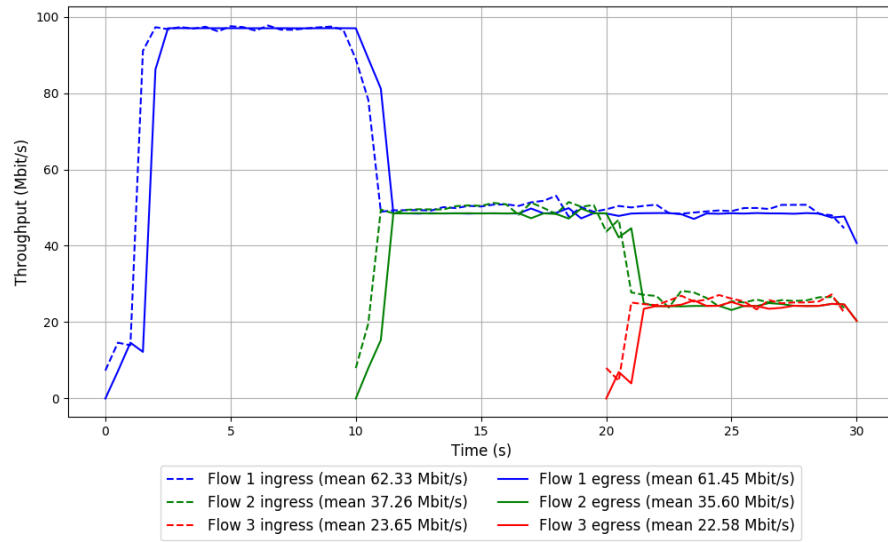


Run 3: Statistics of FillP

Start at: 2018-05-22 16:33:27
End at: 2018-05-22 16:33:57
Local clock offset: 1.053 ms
Remote clock offset: -1.528 ms

Below is generated by plot.py at 2018-05-22 19:11:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.56 Mbit/s
95th percentile per-packet one-way delay: 69.081 ms
Loss rate: 2.71%
-- Flow 1:
Average throughput: 61.45 Mbit/s
95th percentile per-packet one-way delay: 47.378 ms
Loss rate: 1.62%
-- Flow 2:
Average throughput: 35.60 Mbit/s
95th percentile per-packet one-way delay: 69.705 ms
Loss rate: 4.70%
-- Flow 3:
Average throughput: 22.58 Mbit/s
95th percentile per-packet one-way delay: 72.021 ms
Loss rate: 5.10%

Run 3: Report of FillP — Data Link

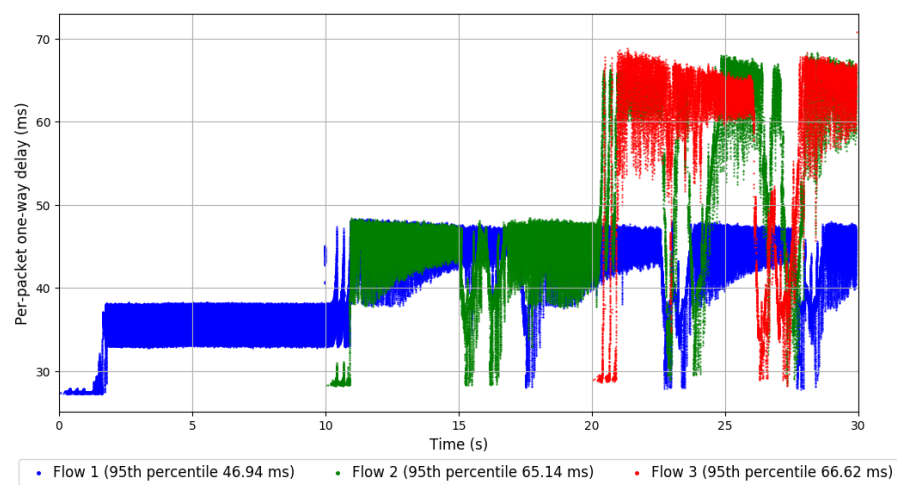
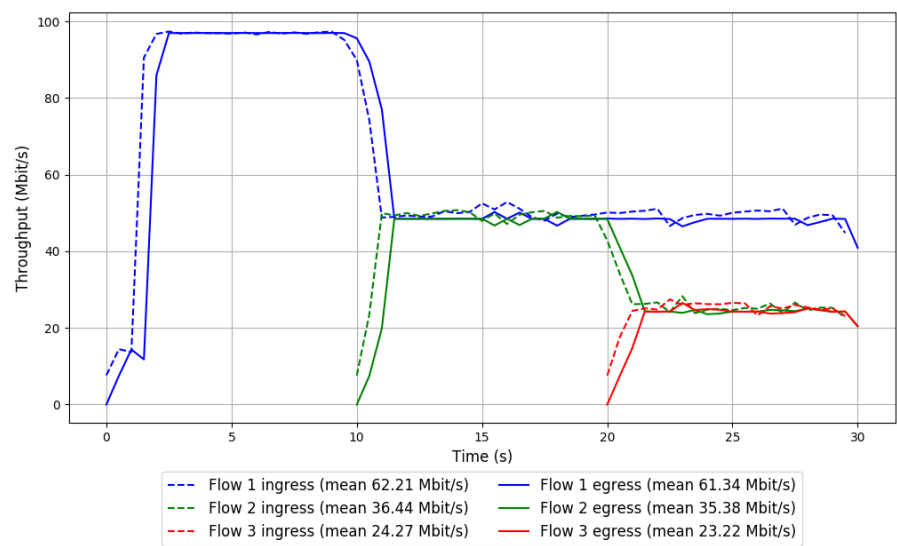


Run 4: Statistics of FillP

Start at: 2018-05-22 16:54:49
End at: 2018-05-22 16:55:19
Local clock offset: 1.259 ms
Remote clock offset: -1.868 ms

Below is generated by plot.py at 2018-05-22 19:11:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.54 Mbit/s
95th percentile per-packet one-way delay: 64.128 ms
Loss rate: 2.31%
-- Flow 1:
Average throughput: 61.34 Mbit/s
95th percentile per-packet one-way delay: 46.941 ms
Loss rate: 1.59%
-- Flow 2:
Average throughput: 35.38 Mbit/s
95th percentile per-packet one-way delay: 65.140 ms
Loss rate: 3.25%
-- Flow 3:
Average throughput: 23.22 Mbit/s
95th percentile per-packet one-way delay: 66.617 ms
Loss rate: 4.97%

Run 4: Report of FillP — Data Link

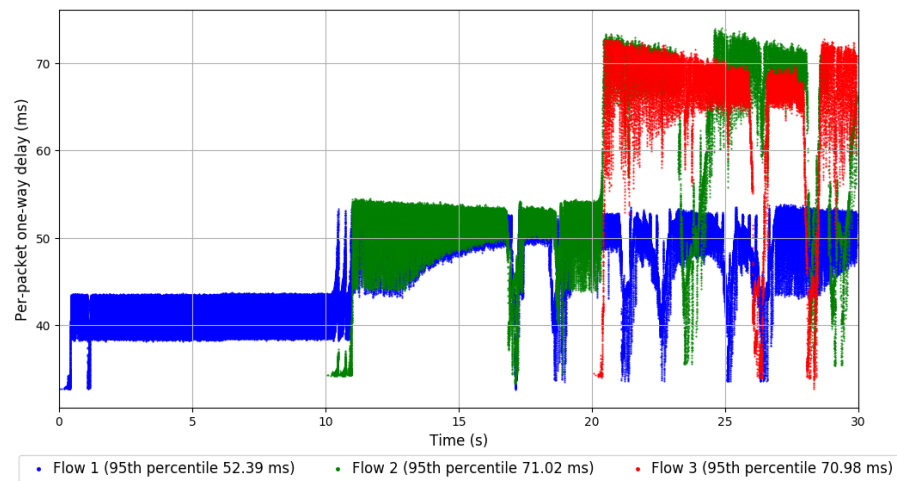
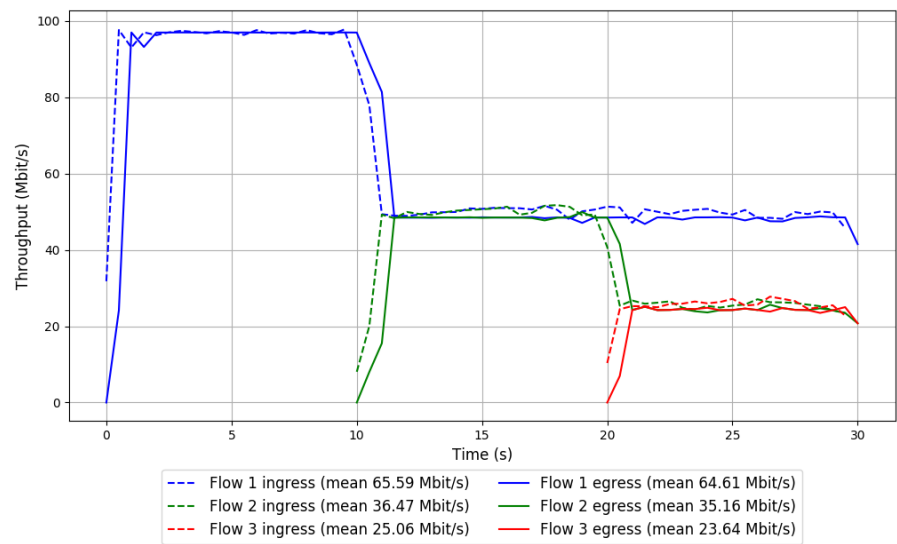


Run 5: Statistics of FillP

Start at: 2018-05-22 17:16:20
End at: 2018-05-22 17:16:50
Local clock offset: 1.224 ms
Remote clock offset: -10.303 ms

Below is generated by plot.py at 2018-05-22 19:11:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.78 Mbit/s
95th percentile per-packet one-way delay: 69.191 ms
Loss rate: 2.67%
-- Flow 1:
Average throughput: 64.61 Mbit/s
95th percentile per-packet one-way delay: 52.388 ms
Loss rate: 1.71%
-- Flow 2:
Average throughput: 35.16 Mbit/s
95th percentile per-packet one-way delay: 71.015 ms
Loss rate: 3.98%
-- Flow 3:
Average throughput: 23.64 Mbit/s
95th percentile per-packet one-way delay: 70.983 ms
Loss rate: 6.41%

Run 5: Report of FillP — Data Link

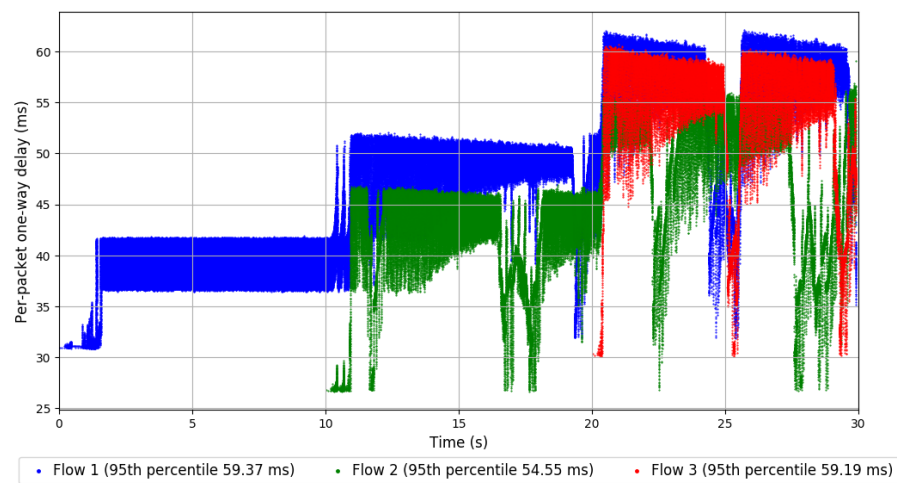
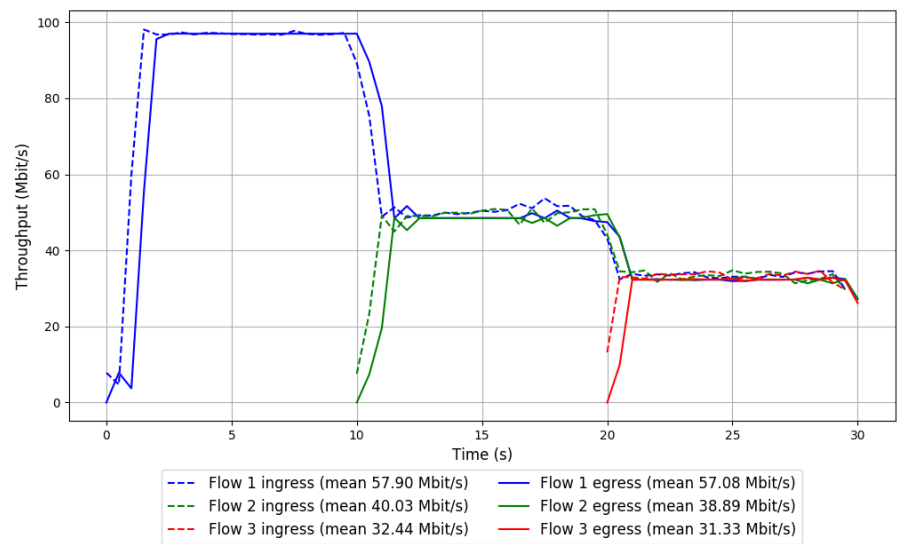


Run 6: Statistics of FillP

Start at: 2018-05-22 17:37:37
End at: 2018-05-22 17:38:07
Local clock offset: 1.466 ms
Remote clock offset: -11.112 ms

Below is generated by plot.py at 2018-05-22 19:11:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.30 Mbit/s
95th percentile per-packet one-way delay: 58.836 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 57.08 Mbit/s
95th percentile per-packet one-way delay: 59.365 ms
Loss rate: 1.60%
-- Flow 2:
Average throughput: 38.89 Mbit/s
95th percentile per-packet one-way delay: 54.550 ms
Loss rate: 3.11%
-- Flow 3:
Average throughput: 31.33 Mbit/s
95th percentile per-packet one-way delay: 59.190 ms
Loss rate: 4.01%

Run 6: Report of FillP — Data Link

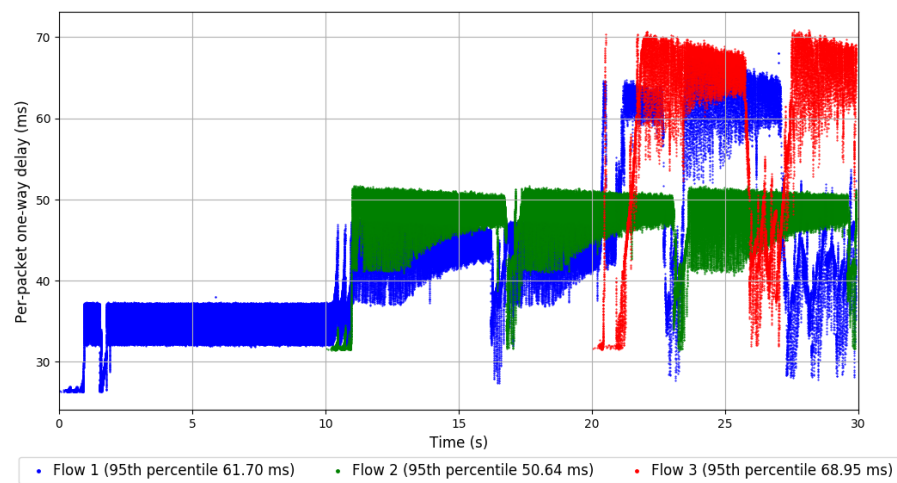
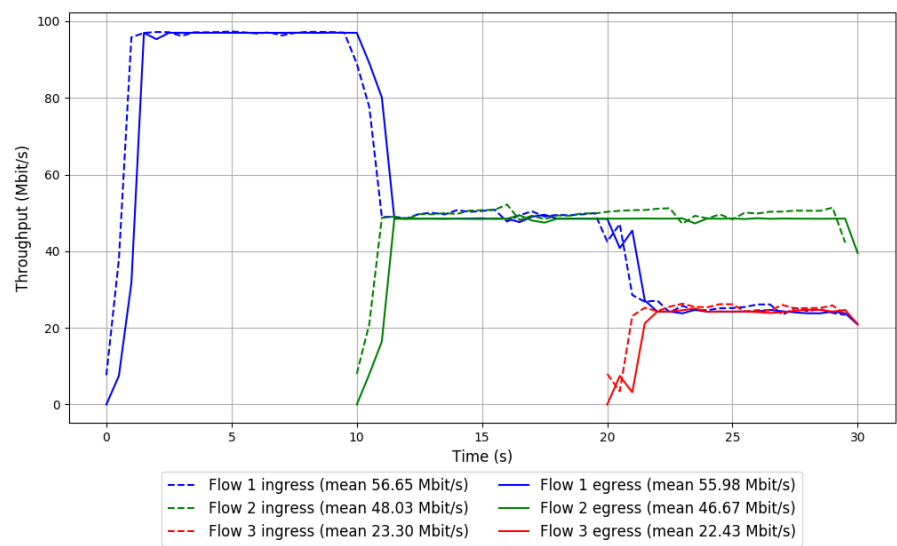


Run 7: Statistics of FillP

Start at: 2018-05-22 17:59:06
End at: 2018-05-22 17:59:36
Local clock offset: 1.459 ms
Remote clock offset: -14.423 ms

Below is generated by plot.py at 2018-05-22 19:11:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.42 Mbit/s
95th percentile per-packet one-way delay: 64.347 ms
Loss rate: 2.21%
-- Flow 1:
Average throughput: 55.98 Mbit/s
95th percentile per-packet one-way delay: 61.701 ms
Loss rate: 1.39%
-- Flow 2:
Average throughput: 46.67 Mbit/s
95th percentile per-packet one-way delay: 50.643 ms
Loss rate: 3.11%
-- Flow 3:
Average throughput: 22.43 Mbit/s
95th percentile per-packet one-way delay: 68.950 ms
Loss rate: 4.46%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-05-22 18:20:31

End at: 2018-05-22 18:21:01

Local clock offset: 1.355 ms

Remote clock offset: 0.984 ms

Below is generated by plot.py at 2018-05-22 19:11:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.66 Mbit/s

95th percentile per-packet one-way delay: 58.354 ms

Loss rate: 2.29%

-- Flow 1:

Average throughput: 56.70 Mbit/s

95th percentile per-packet one-way delay: 53.198 ms

Loss rate: 1.53%

-- Flow 2:

Average throughput: 39.50 Mbit/s

95th percentile per-packet one-way delay: 58.345 ms

Loss rate: 3.19%

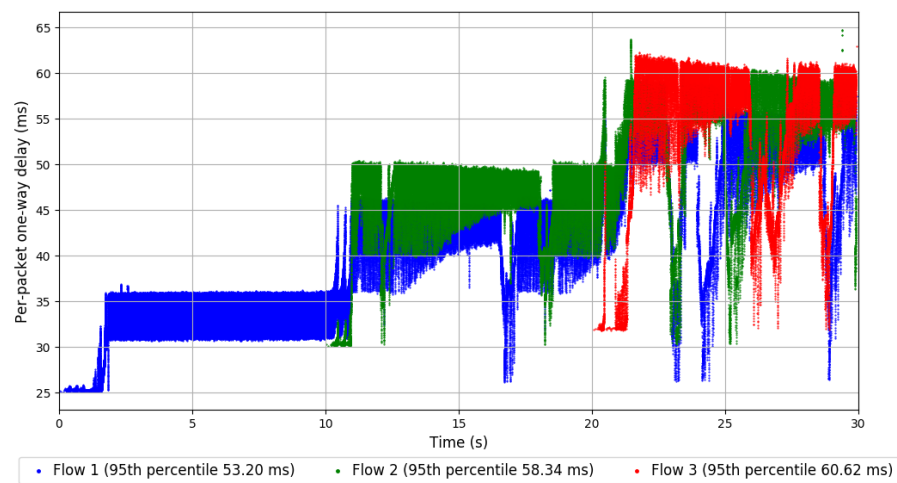
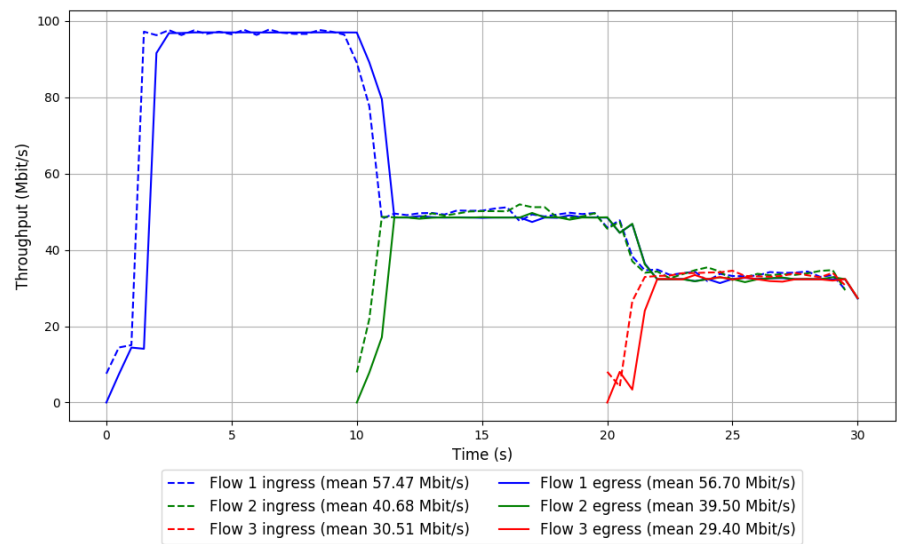
-- Flow 3:

Average throughput: 29.40 Mbit/s

95th percentile per-packet one-way delay: 60.622 ms

Loss rate: 4.20%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-05-22 18:42:04

End at: 2018-05-22 18:42:34

Local clock offset: 0.81 ms

Remote clock offset: 2.983 ms

Below is generated by plot.py at 2018-05-22 19:12:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.27 Mbit/s

95th percentile per-packet one-way delay: 65.479 ms

Loss rate: 2.46%

-- Flow 1:

Average throughput: 54.79 Mbit/s

95th percentile per-packet one-way delay: 63.564 ms

Loss rate: 1.60%

-- Flow 2:

Average throughput: 47.62 Mbit/s

95th percentile per-packet one-way delay: 49.429 ms

Loss rate: 3.21%

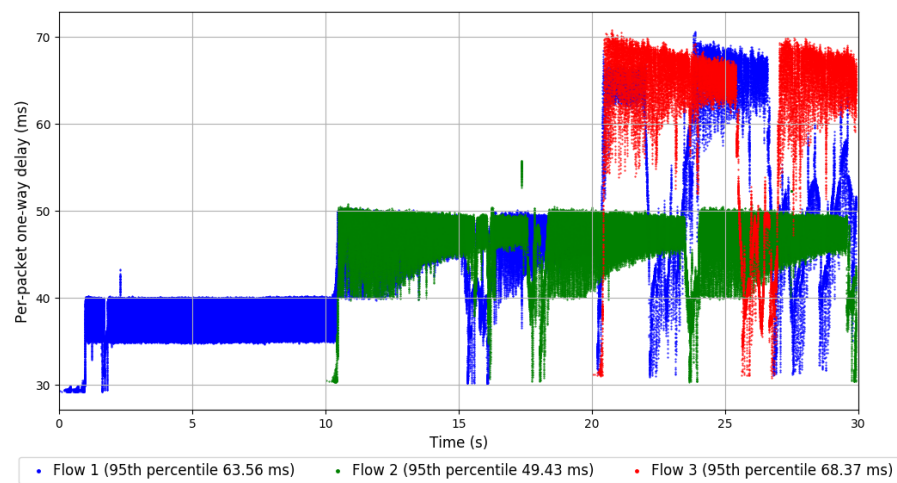
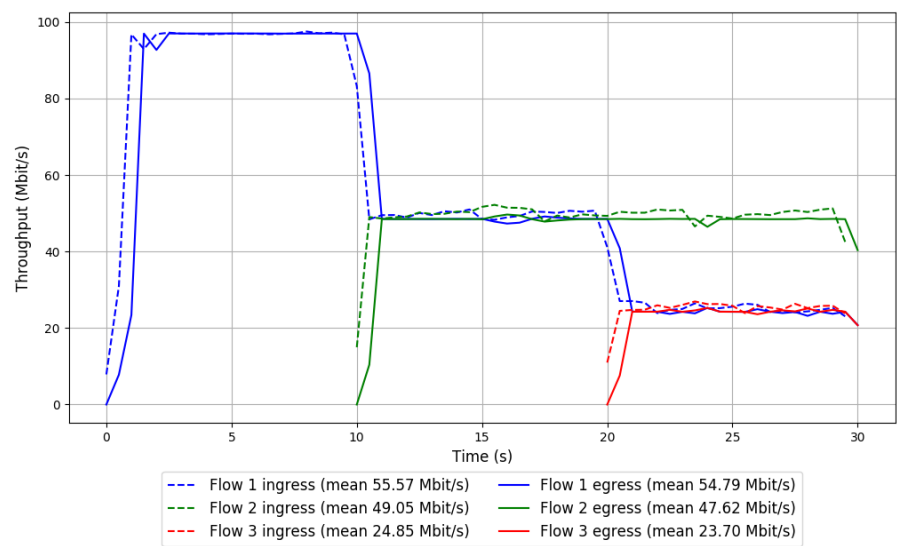
-- Flow 3:

Average throughput: 23.70 Mbit/s

95th percentile per-packet one-way delay: 68.371 ms

Loss rate: 5.33%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-05-22 19:03:24

End at: 2018-05-22 19:03:54

Local clock offset: 0.774 ms

Remote clock offset: 2.024 ms

Below is generated by plot.py at 2018-05-22 19:12:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.26 Mbit/s

95th percentile per-packet one-way delay: 62.035 ms

Loss rate: 2.62%

-- Flow 1:

Average throughput: 53.96 Mbit/s

95th percentile per-packet one-way delay: 61.159 ms

Loss rate: 1.90%

-- Flow 2:

Average throughput: 46.16 Mbit/s

95th percentile per-packet one-way delay: 50.203 ms

Loss rate: 3.48%

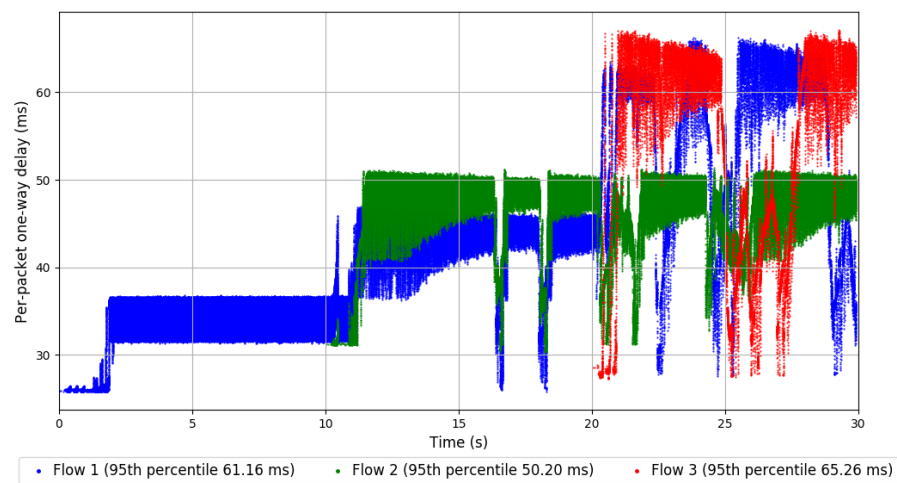
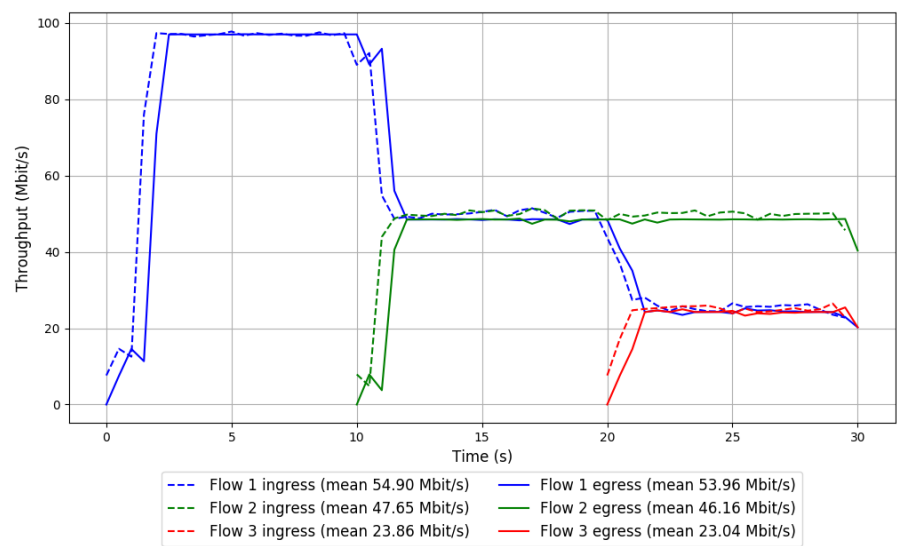
-- Flow 3:

Average throughput: 23.04 Mbit/s

95th percentile per-packet one-way delay: 65.258 ms

Loss rate: 4.13%

Run 10: Report of FillP — Data Link

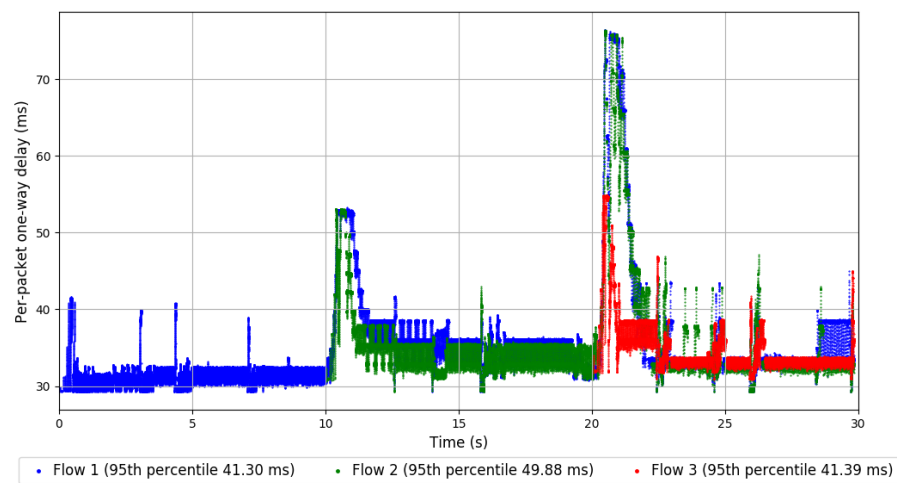
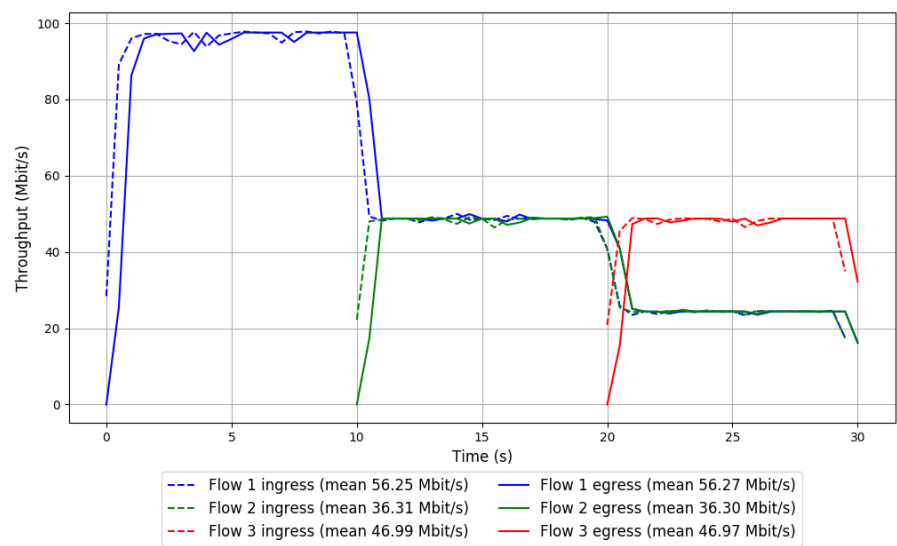


```
Run 1: Statistics of Indigo

Start at: 2018-05-22 15:32:07
End at: 2018-05-22 15:32:37
Local clock offset: 1.005 ms
Remote clock offset: -0.353 ms

# Below is generated by plot.py at 2018-05-22 19:12:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.79 Mbit/s
95th percentile per-packet one-way delay: 43.949 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 56.27 Mbit/s
95th percentile per-packet one-way delay: 41.301 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 36.30 Mbit/s
95th percentile per-packet one-way delay: 49.884 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 46.97 Mbit/s
95th percentile per-packet one-way delay: 41.388 ms
Loss rate: 0.65%
```


Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-05-22 15:53:23

End at: 2018-05-22 15:53:53

Local clock offset: 1.413 ms

Remote clock offset: -0.68 ms

Below is generated by plot.py at 2018-05-22 19:12:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.37 Mbit/s

95th percentile per-packet one-way delay: 40.461 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 56.68 Mbit/s

95th percentile per-packet one-way delay: 39.544 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 36.52 Mbit/s

95th percentile per-packet one-way delay: 46.331 ms

Loss rate: 0.39%

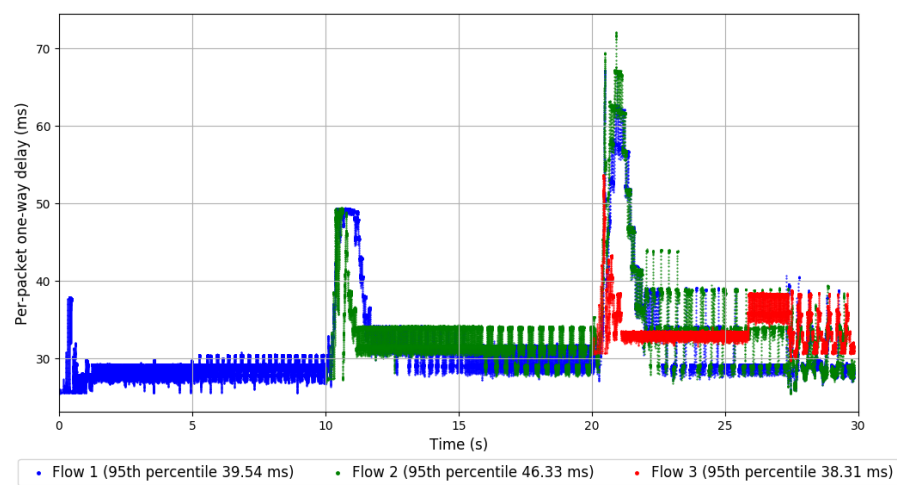
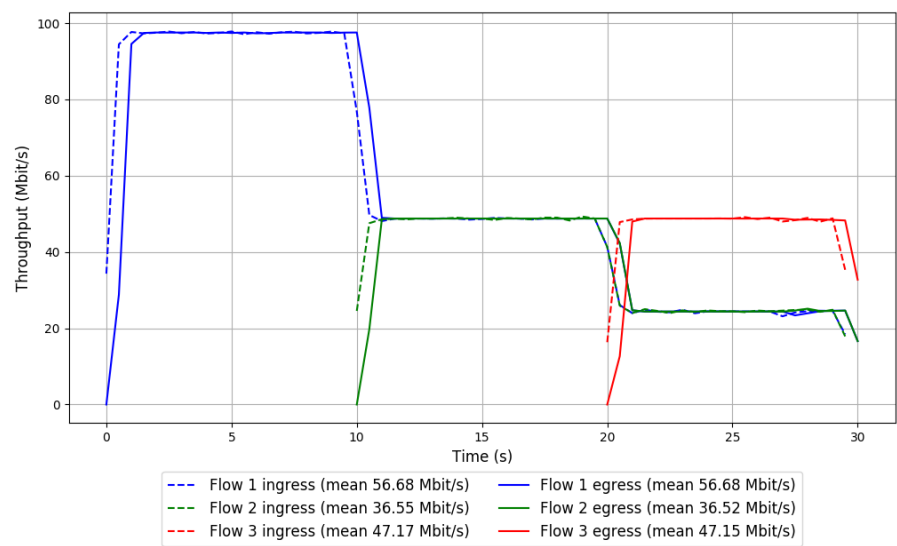
-- Flow 3:

Average throughput: 47.15 Mbit/s

95th percentile per-packet one-way delay: 38.308 ms

Loss rate: 0.67%

Run 2: Report of Indigo — Data Link

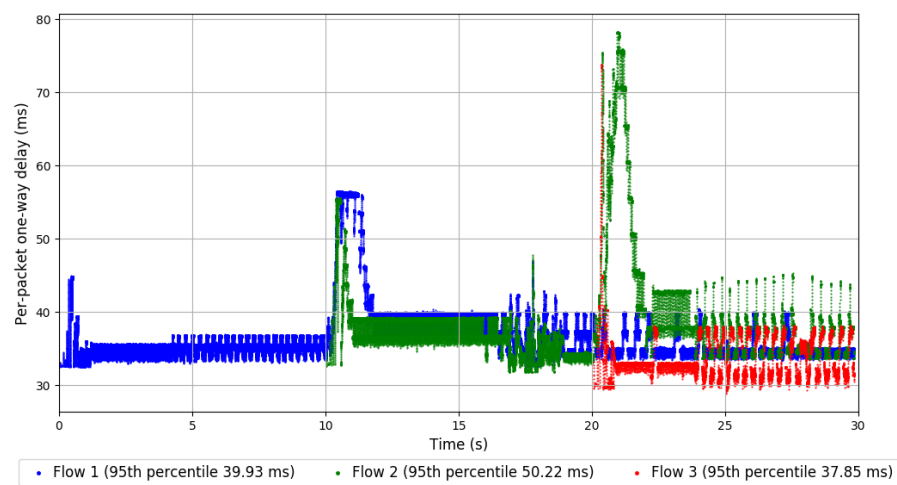
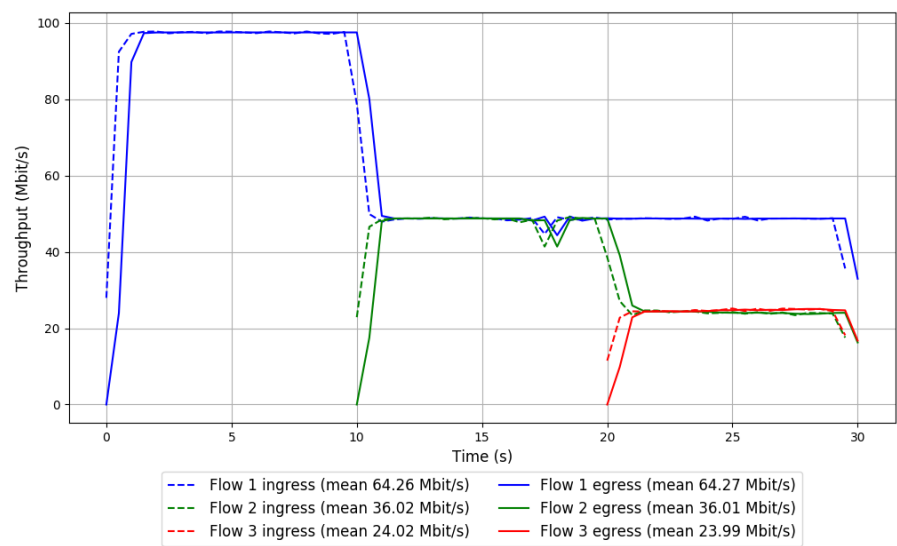


Run 3: Statistics of Indigo

Start at: 2018-05-22 16:14:43
End at: 2018-05-22 16:15:13
Local clock offset: 0.896 ms
Remote clock offset: -2.244 ms

Below is generated by plot.py at 2018-05-22 19:12:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.05 Mbit/s
95th percentile per-packet one-way delay: 42.603 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 64.27 Mbit/s
95th percentile per-packet one-way delay: 39.934 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 36.01 Mbit/s
95th percentile per-packet one-way delay: 50.224 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 23.99 Mbit/s
95th percentile per-packet one-way delay: 37.854 ms
Loss rate: 0.72%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-05-22 16:36:03

End at: 2018-05-22 16:36:33

Local clock offset: 1.097 ms

Remote clock offset: 1.073 ms

Below is generated by plot.py at 2018-05-22 19:12:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.21 Mbit/s

95th percentile per-packet one-way delay: 40.802 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 59.09 Mbit/s

95th percentile per-packet one-way delay: 41.534 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 40.28 Mbit/s

95th percentile per-packet one-way delay: 38.555 ms

Loss rate: 0.33%

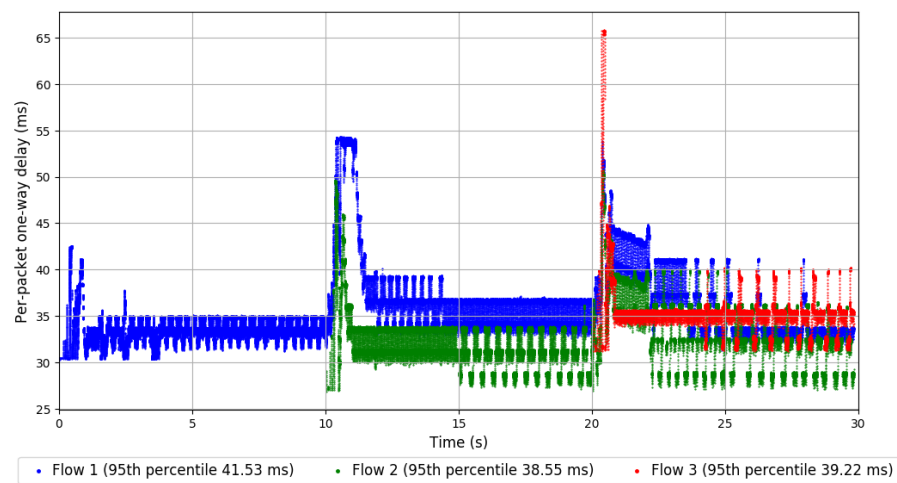
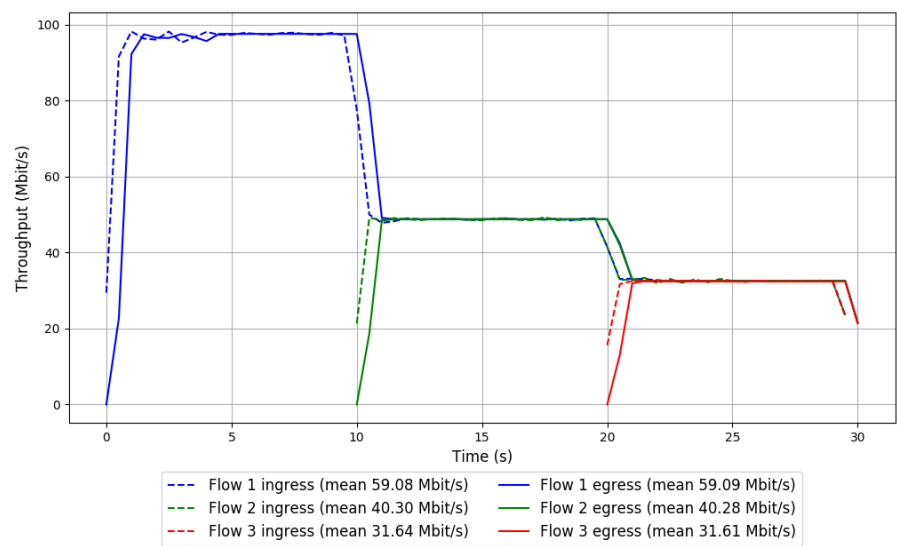
-- Flow 3:

Average throughput: 31.61 Mbit/s

95th percentile per-packet one-way delay: 39.221 ms

Loss rate: 0.69%

Run 4: Report of Indigo — Data Link

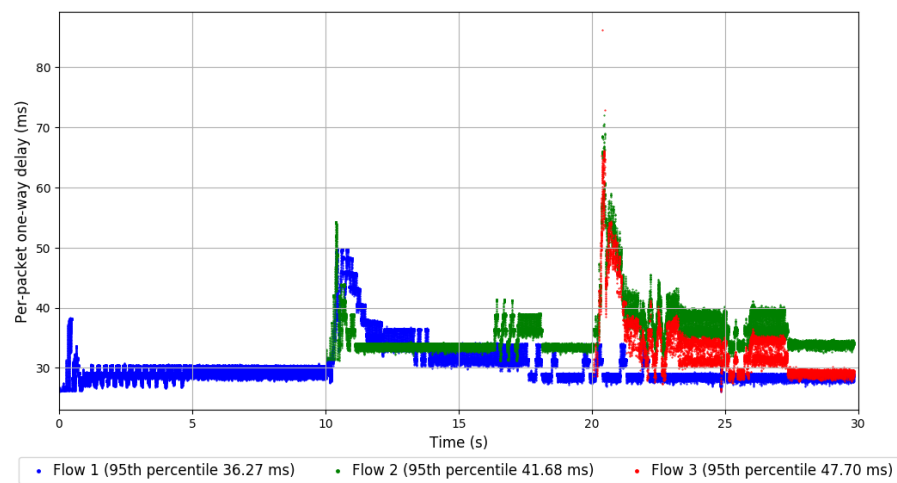
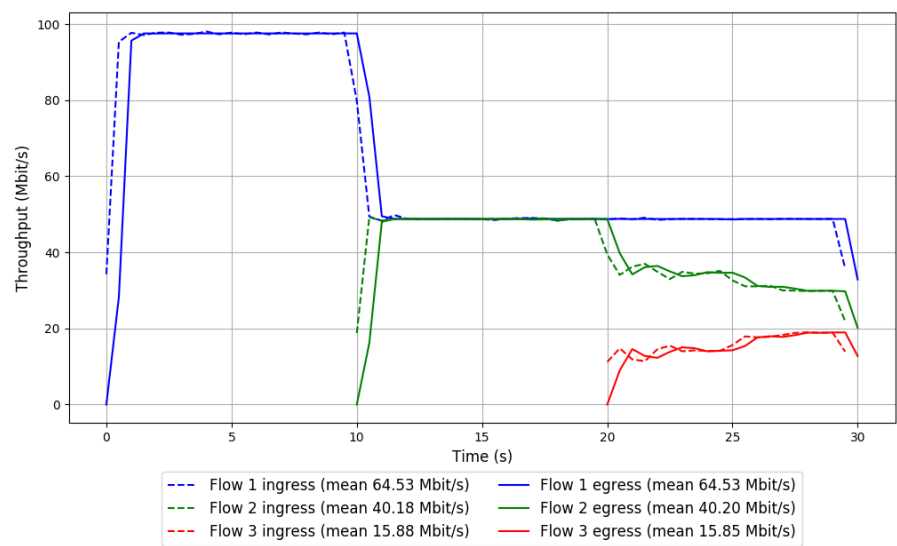


Run 5: Statistics of Indigo

Start at: 2018-05-22 16:57:25
End at: 2018-05-22 16:57:55
Local clock offset: 1.127 ms
Remote clock offset: -1.788 ms

Below is generated by plot.py at 2018-05-22 19:13:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.42 Mbit/s
95th percentile per-packet one-way delay: 39.291 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 64.53 Mbit/s
95th percentile per-packet one-way delay: 36.267 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 40.20 Mbit/s
95th percentile per-packet one-way delay: 41.679 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 15.85 Mbit/s
95th percentile per-packet one-way delay: 47.699 ms
Loss rate: 0.78%

Run 5: Report of Indigo — Data Link

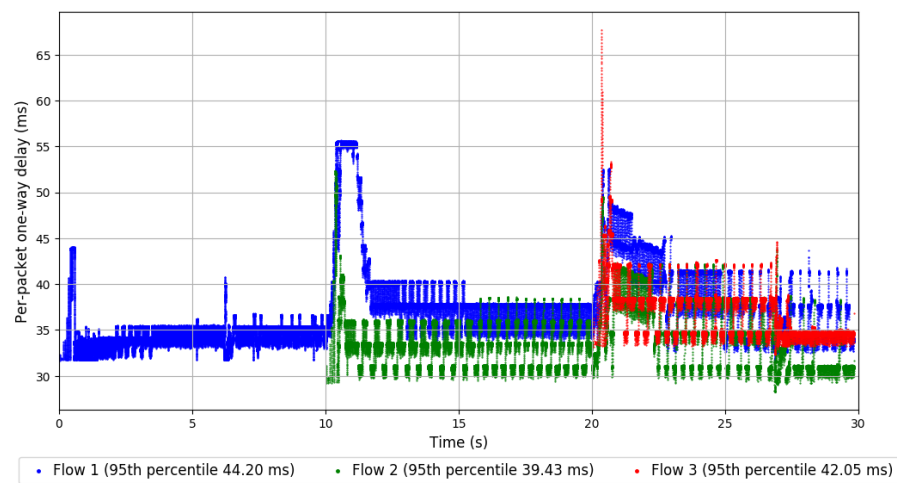
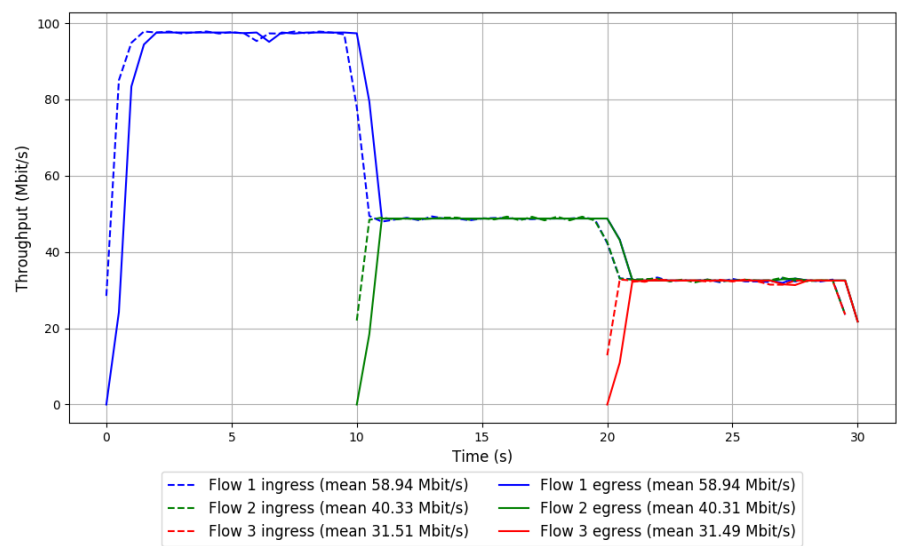


Run 6: Statistics of Indigo

Start at: 2018-05-22 17:18:57
End at: 2018-05-22 17:19:27
Local clock offset: 1.261 ms
Remote clock offset: -10.716 ms

Below is generated by plot.py at 2018-05-22 19:13:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 42.104 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 58.94 Mbit/s
95th percentile per-packet one-way delay: 44.196 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 40.31 Mbit/s
95th percentile per-packet one-way delay: 39.434 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 31.49 Mbit/s
95th percentile per-packet one-way delay: 42.055 ms
Loss rate: 0.66%

Run 6: Report of Indigo — Data Link

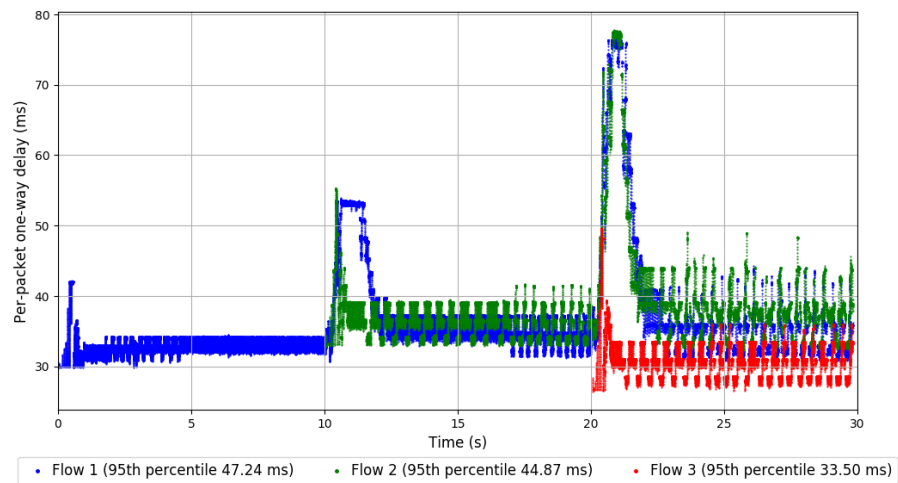
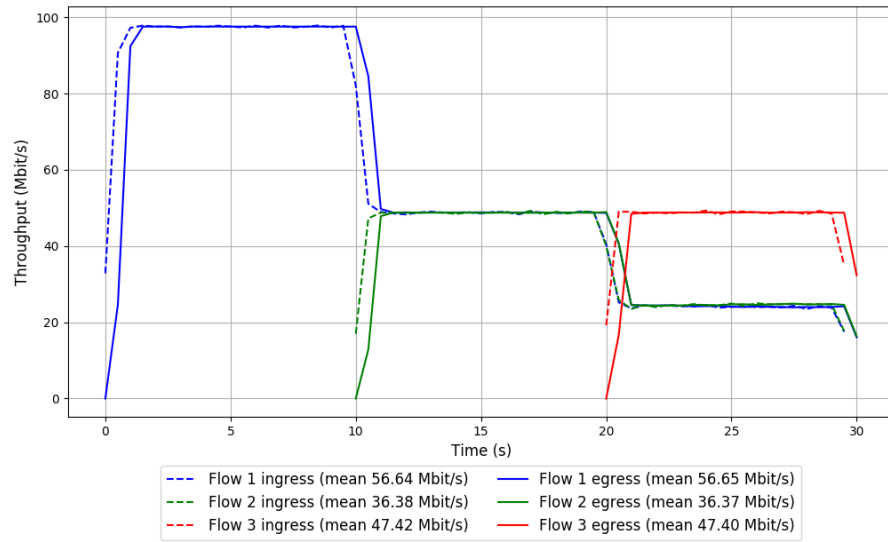


Run 7: Statistics of Indigo

Start at: 2018-05-22 17:40:13
End at: 2018-05-22 17:40:43
Local clock offset: 1.442 ms
Remote clock offset: -11.942 ms

Below is generated by plot.py at 2018-05-22 19:13:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.32 Mbit/s
95th percentile per-packet one-way delay: 43.857 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 56.65 Mbit/s
95th percentile per-packet one-way delay: 47.242 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 36.37 Mbit/s
95th percentile per-packet one-way delay: 44.872 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 47.40 Mbit/s
95th percentile per-packet one-way delay: 33.501 ms
Loss rate: 0.61%

Run 7: Report of Indigo — Data Link

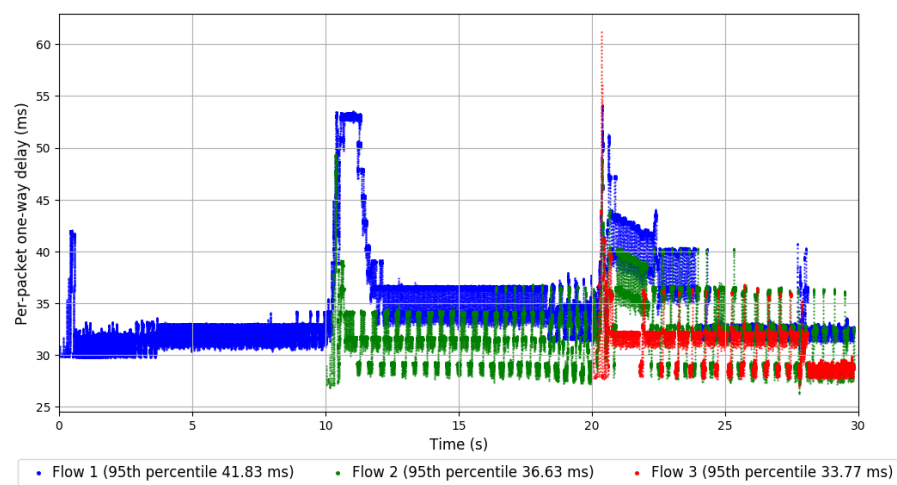
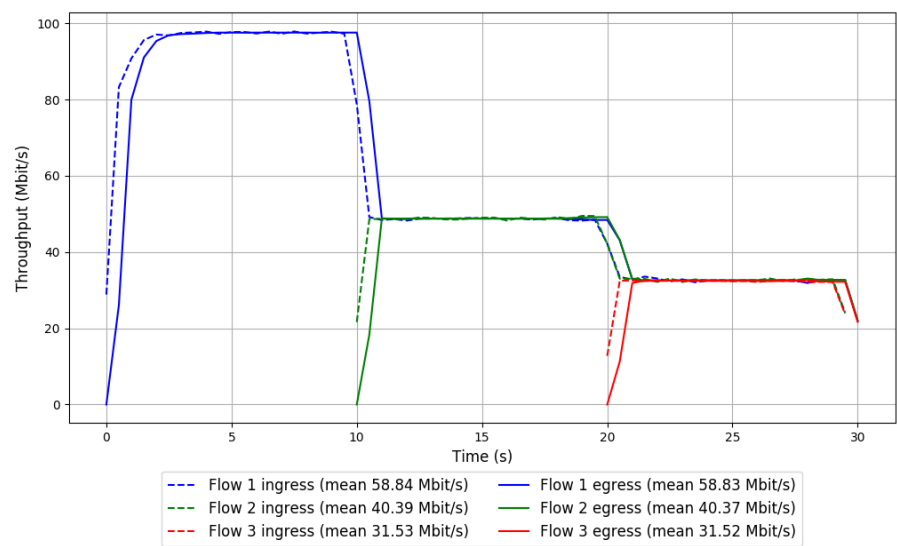


Run 8: Statistics of Indigo

Start at: 2018-05-22 18:01:42
End at: 2018-05-22 18:02:12
Local clock offset: 1.368 ms
Remote clock offset: -14.823 ms

Below is generated by plot.py at 2018-05-22 19:13:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 39.892 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 58.83 Mbit/s
95th percentile per-packet one-way delay: 41.828 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 40.37 Mbit/s
95th percentile per-packet one-way delay: 36.626 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 31.52 Mbit/s
95th percentile per-packet one-way delay: 33.769 ms
Loss rate: 0.62%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-05-22 18:23:08

End at: 2018-05-22 18:23:38

Local clock offset: 1.336 ms

Remote clock offset: 1.822 ms

Below is generated by plot.py at 2018-05-22 19:14:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.22 Mbit/s

95th percentile per-packet one-way delay: 40.031 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 56.72 Mbit/s

95th percentile per-packet one-way delay: 38.303 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 36.24 Mbit/s

95th percentile per-packet one-way delay: 44.917 ms

Loss rate: 0.32%

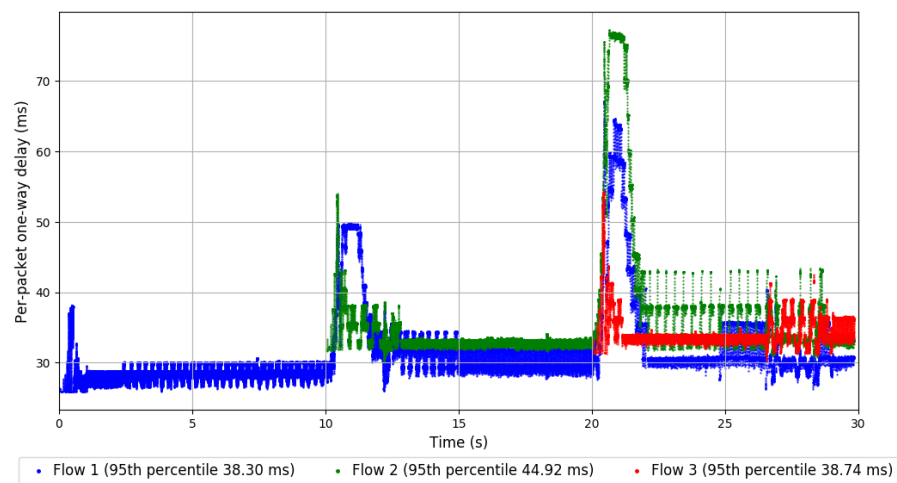
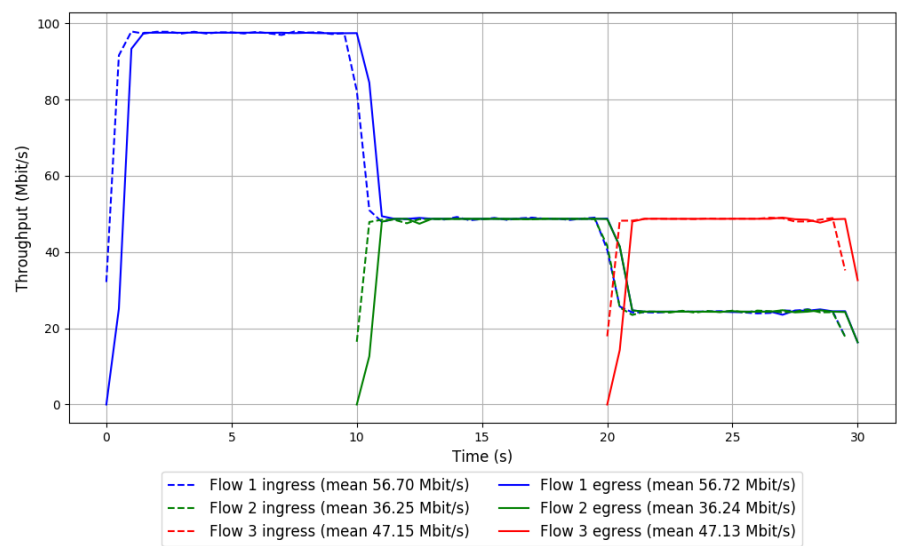
-- Flow 3:

Average throughput: 47.13 Mbit/s

95th percentile per-packet one-way delay: 38.736 ms

Loss rate: 0.66%

Run 9: Report of Indigo — Data Link

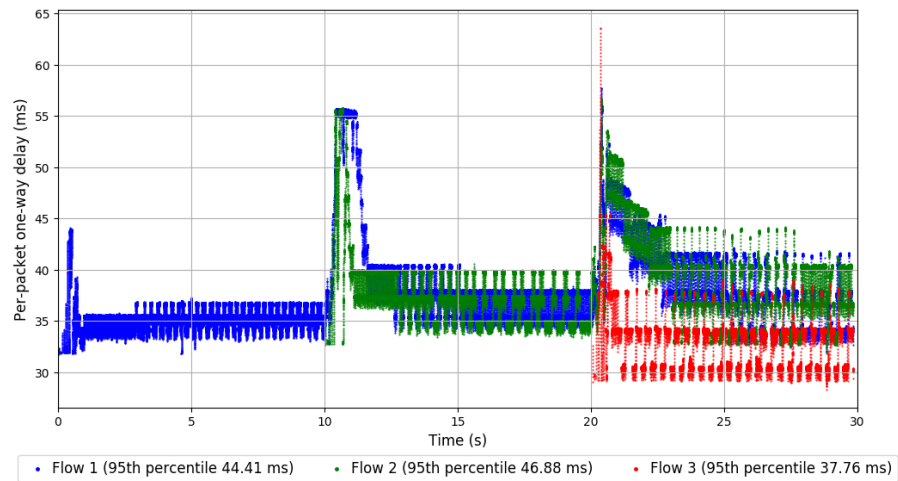
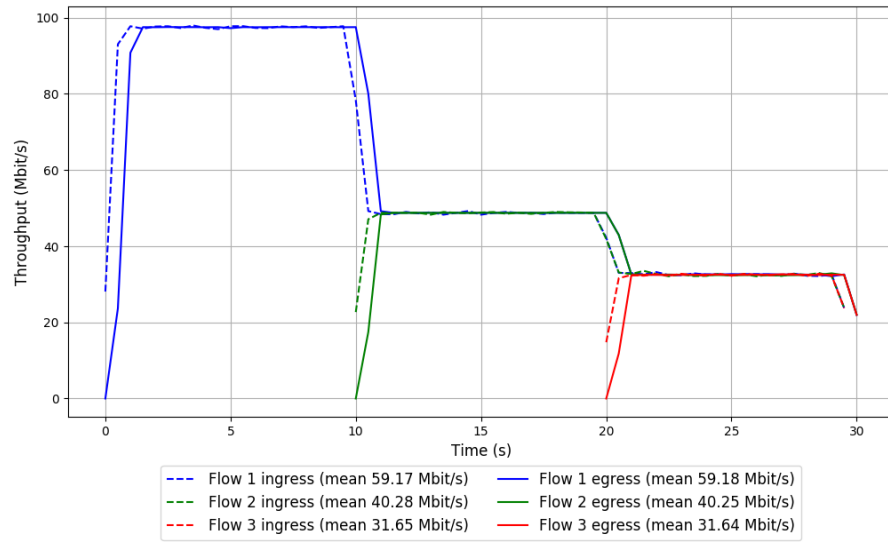


Run 10: Statistics of Indigo

Start at: 2018-05-22 18:44:41
End at: 2018-05-22 18:45:11
Local clock offset: 0.786 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-05-22 19:14:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 44.605 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 59.18 Mbit/s
95th percentile per-packet one-way delay: 44.405 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 40.25 Mbit/s
95th percentile per-packet one-way delay: 46.881 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 31.64 Mbit/s
95th percentile per-packet one-way delay: 37.755 ms
Loss rate: 0.61%

Run 10: Report of Indigo — Data Link

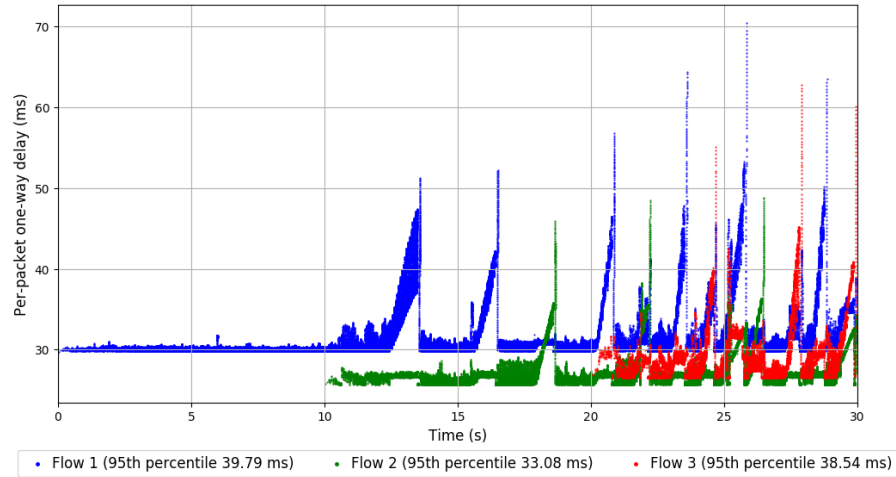
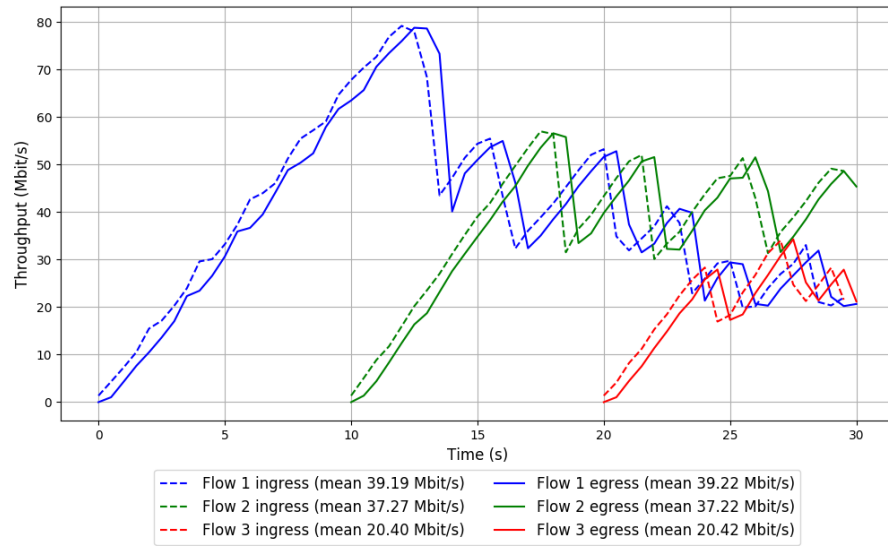


```
Run 1: Statistics of LEDBAT

Start at: 2018-05-22 15:42:39
End at: 2018-05-22 15:43:09
Local clock offset: 1.397 ms
Remote clock offset: -0.812 ms

# Below is generated by plot.py at 2018-05-22 19:14:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.75 Mbit/s
95th percentile per-packet one-way delay: 37.742 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 39.22 Mbit/s
95th percentile per-packet one-way delay: 39.787 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 37.22 Mbit/s
95th percentile per-packet one-way delay: 33.075 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 20.42 Mbit/s
95th percentile per-packet one-way delay: 38.544 ms
Loss rate: 0.50%
```

Run 1: Report of LEDBAT — Data Link

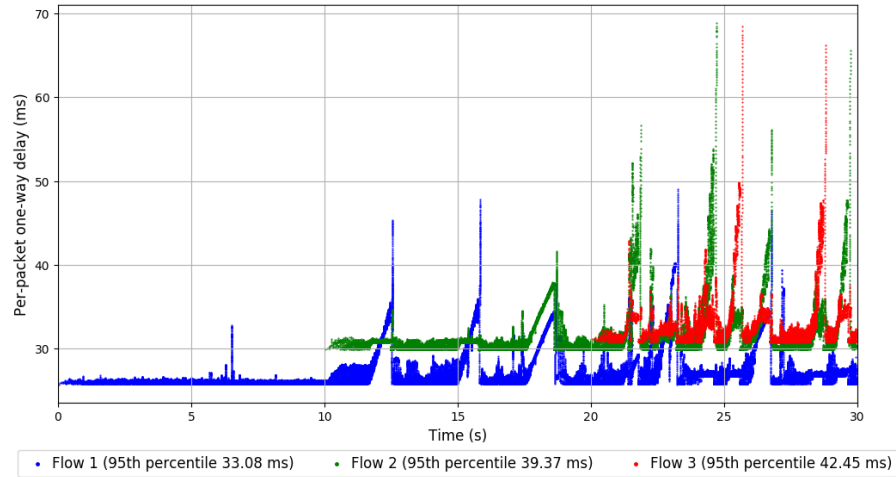
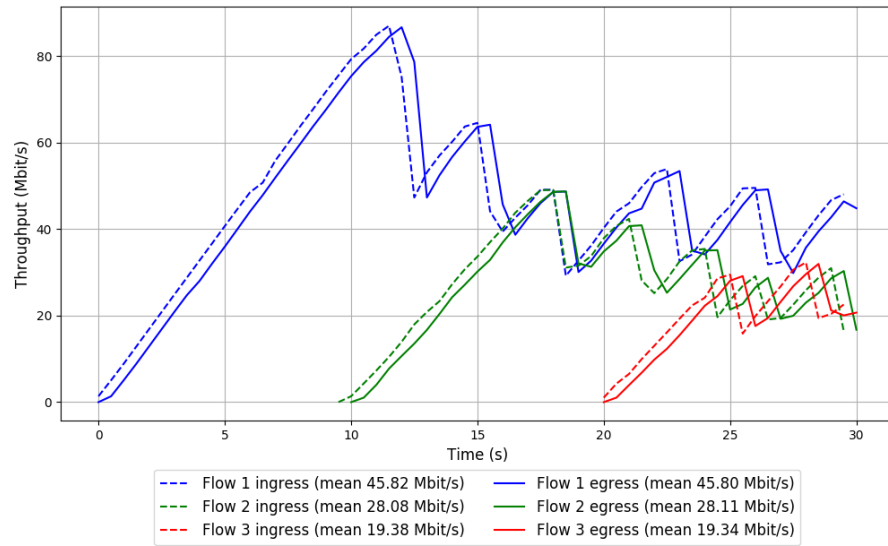


Run 2: Statistics of LEDBAT

Start at: 2018-05-22 16:03:55
End at: 2018-05-22 16:04:25
Local clock offset: 1.227 ms
Remote clock offset: -0.563 ms

Below is generated by plot.py at 2018-05-22 19:14:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.90 Mbit/s
95th percentile per-packet one-way delay: 35.429 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 45.80 Mbit/s
95th percentile per-packet one-way delay: 33.080 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 28.11 Mbit/s
95th percentile per-packet one-way delay: 39.369 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 19.34 Mbit/s
95th percentile per-packet one-way delay: 42.451 ms
Loss rate: 0.82%

Run 2: Report of LEDBAT — Data Link

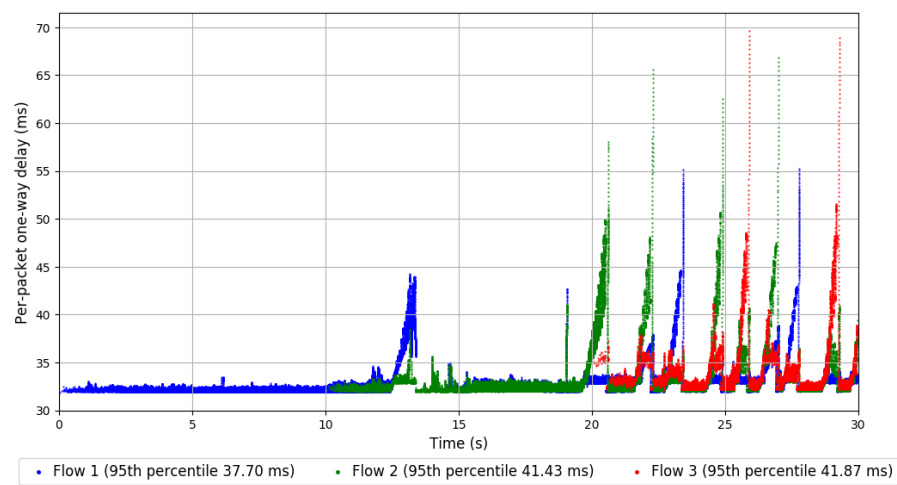
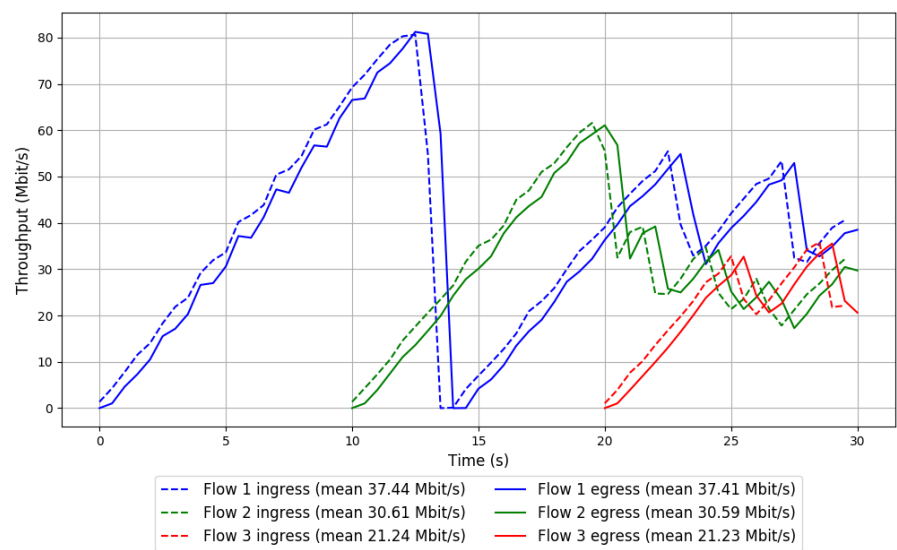


Run 3: Statistics of LEDBAT

Start at: 2018-05-22 16:25:18
End at: 2018-05-22 16:25:48
Local clock offset: 0.886 ms
Remote clock offset: -1.795 ms

Below is generated by plot.py at 2018-05-22 19:14:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.79 Mbit/s
95th percentile per-packet one-way delay: 39.342 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 37.41 Mbit/s
95th percentile per-packet one-way delay: 37.695 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 30.59 Mbit/s
95th percentile per-packet one-way delay: 41.429 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 21.23 Mbit/s
95th percentile per-packet one-way delay: 41.871 ms
Loss rate: 0.71%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-05-22 16:46:35

End at: 2018-05-22 16:47:05

Local clock offset: 1.204 ms

Remote clock offset: 1.268 ms

Below is generated by plot.py at 2018-05-22 19:14:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.93 Mbit/s

95th percentile per-packet one-way delay: 38.515 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 40.34 Mbit/s

95th percentile per-packet one-way delay: 38.124 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 34.88 Mbit/s

95th percentile per-packet one-way delay: 38.783 ms

Loss rate: 0.31%

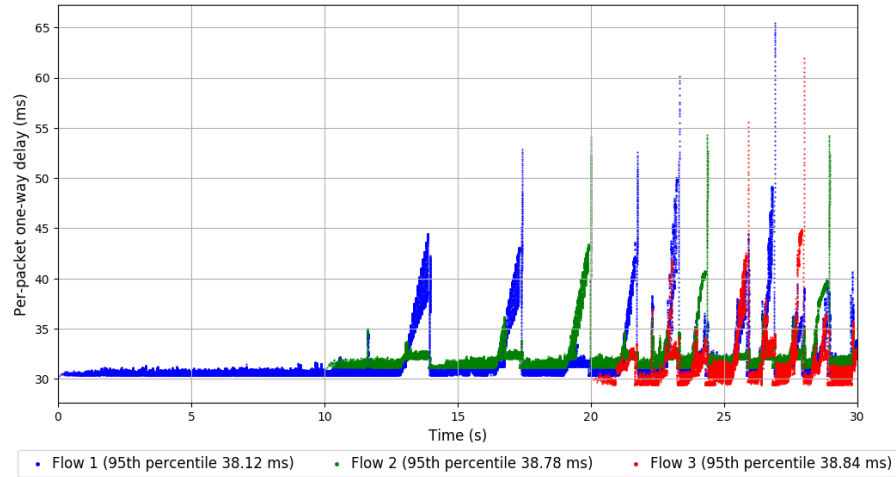
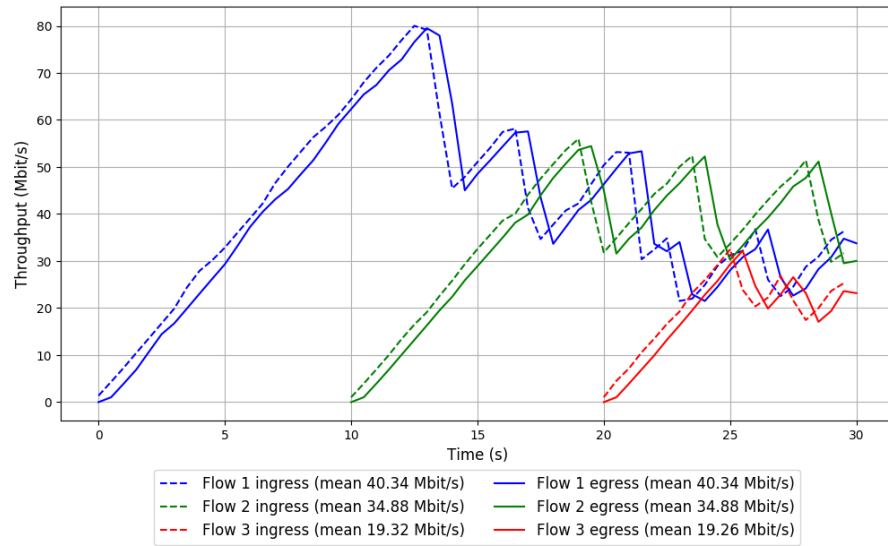
-- Flow 3:

Average throughput: 19.26 Mbit/s

95th percentile per-packet one-way delay: 38.840 ms

Loss rate: 0.90%

Run 4: Report of LEDBAT — Data Link

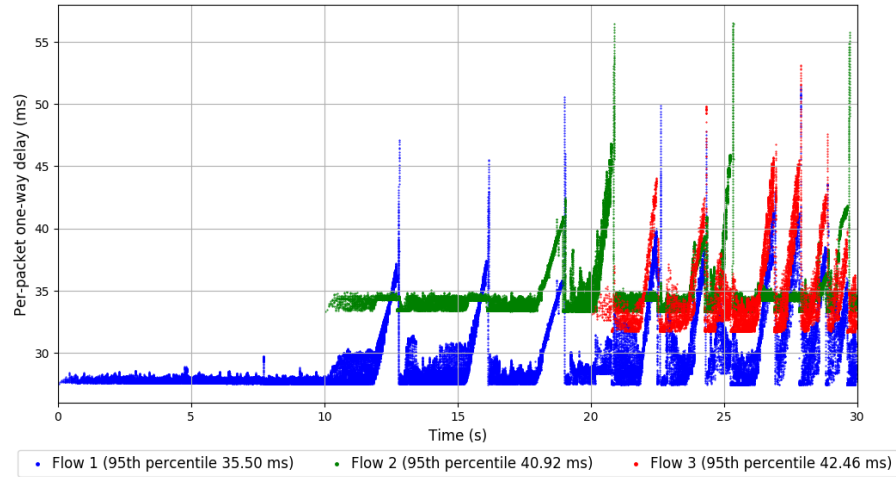
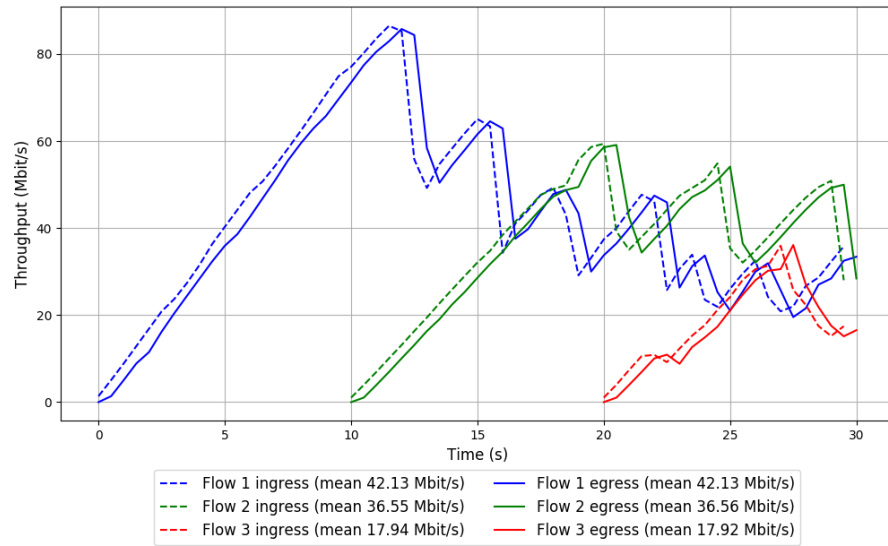


Run 5: Statistics of LEDBAT

Start at: 2018-05-22 17:08:11
End at: 2018-05-22 17:08:41
Local clock offset: 0.93 ms
Remote clock offset: -8.369 ms

Below is generated by plot.py at 2018-05-22 19:14:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.40 Mbit/s
95th percentile per-packet one-way delay: 39.069 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 42.13 Mbit/s
95th percentile per-packet one-way delay: 35.500 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 36.56 Mbit/s
95th percentile per-packet one-way delay: 40.918 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 17.92 Mbit/s
95th percentile per-packet one-way delay: 42.462 ms
Loss rate: 0.70%

Run 5: Report of LEDBAT — Data Link

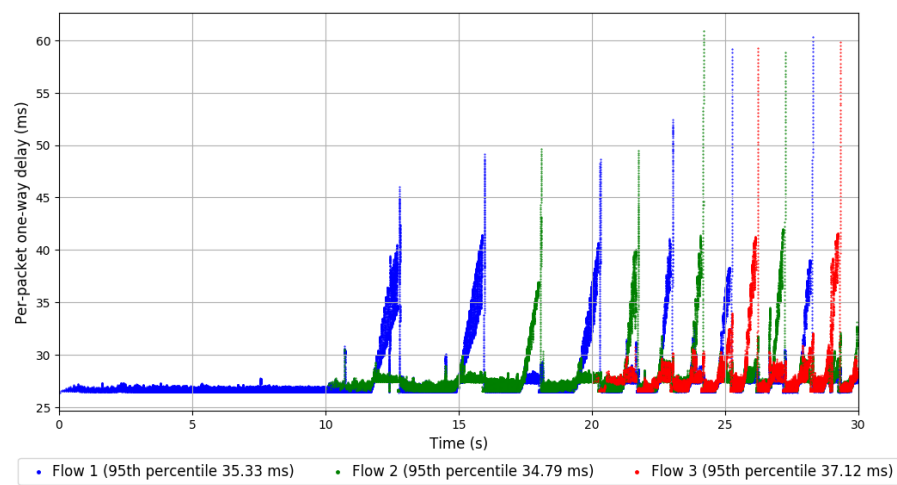
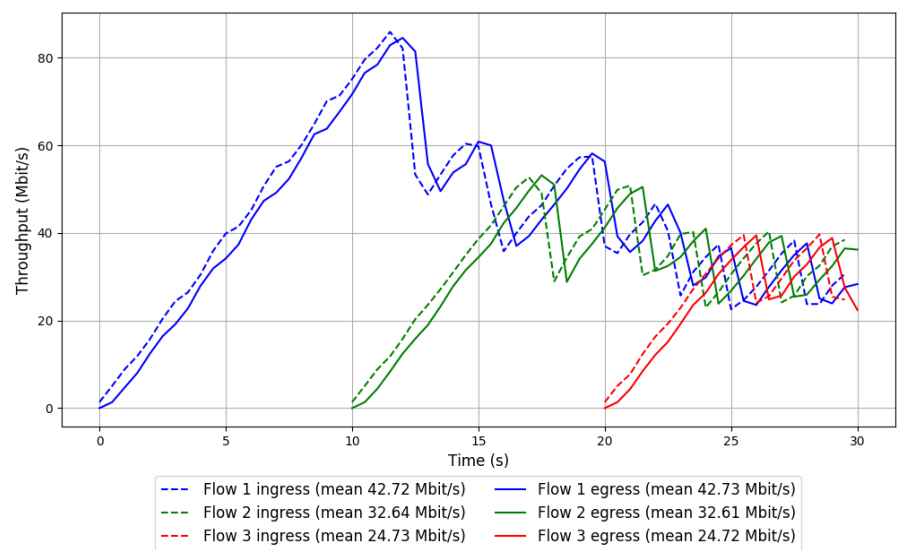


Run 6: Statistics of LEDBAT

Start at: 2018-05-22 17:29:29
End at: 2018-05-22 17:29:59
Local clock offset: 1.577 ms
Remote clock offset: -10.514 ms

Below is generated by plot.py at 2018-05-22 19:14:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.62 Mbit/s
95th percentile per-packet one-way delay: 35.280 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 42.73 Mbit/s
95th percentile per-packet one-way delay: 35.330 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 32.61 Mbit/s
95th percentile per-packet one-way delay: 34.792 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 37.119 ms
Loss rate: 0.63%

Run 6: Report of LEDBAT — Data Link

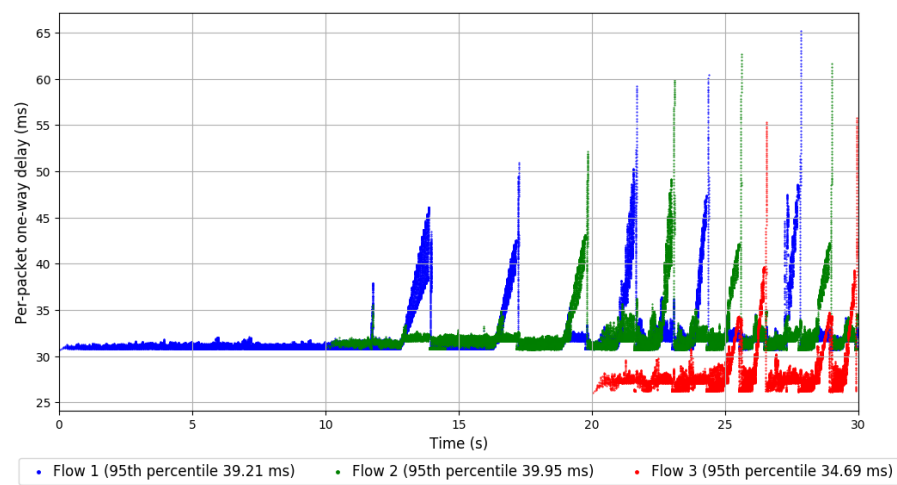
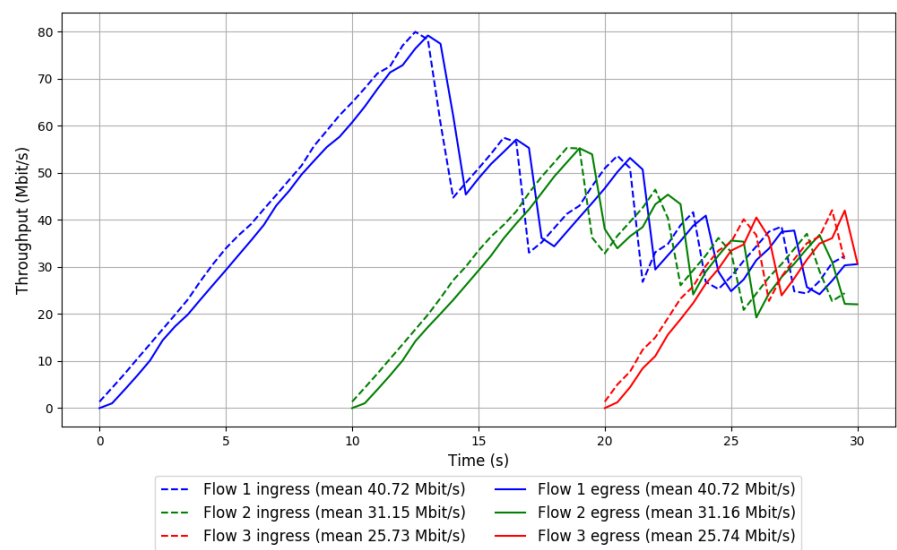


Run 7: Statistics of LEDBAT

Start at: 2018-05-22 17:50:58
End at: 2018-05-22 17:51:28
Local clock offset: 1.331 ms
Remote clock offset: -13.375 ms

Below is generated by plot.py at 2018-05-22 19:14:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.98 Mbit/s
95th percentile per-packet one-way delay: 39.103 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 40.72 Mbit/s
95th percentile per-packet one-way delay: 39.212 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 31.16 Mbit/s
95th percentile per-packet one-way delay: 39.947 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 25.74 Mbit/s
95th percentile per-packet one-way delay: 34.685 ms
Loss rate: 0.54%

Run 7: Report of LEDBAT — Data Link

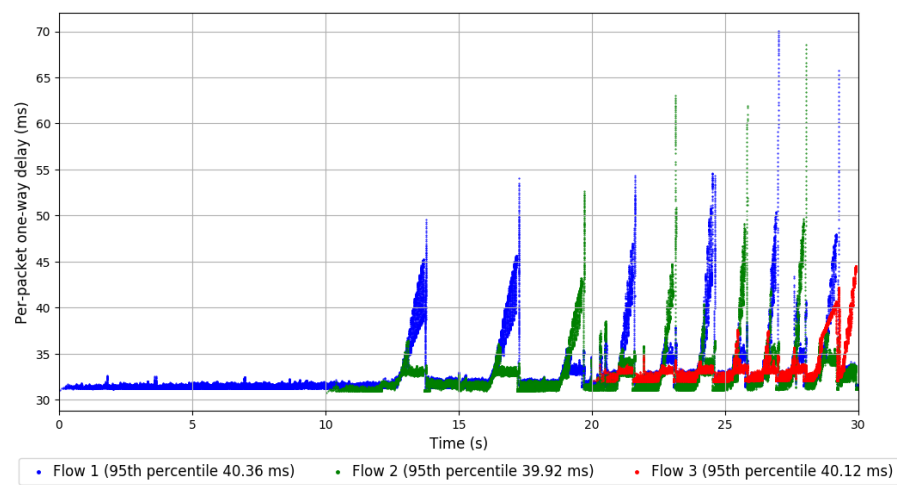
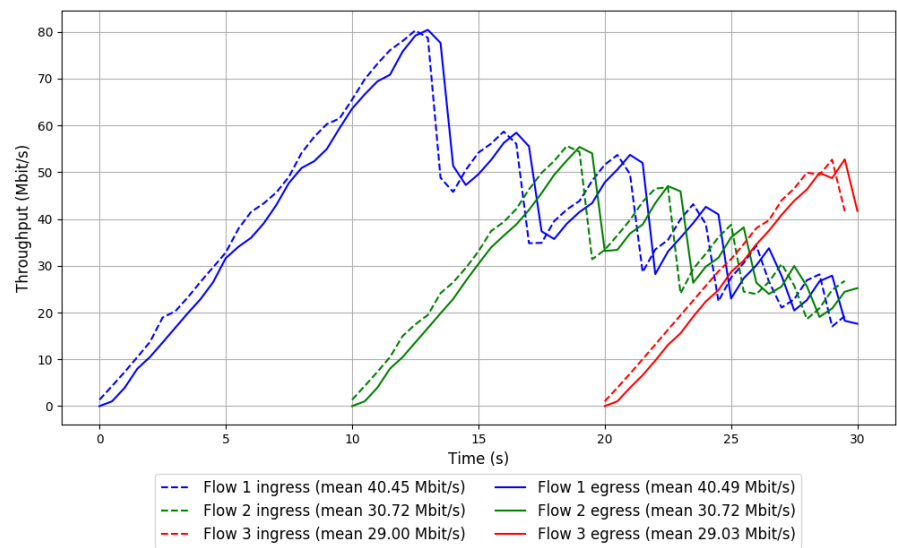


Run 8: Statistics of LEDBAT

Start at: 2018-05-22 18:12:15
End at: 2018-05-22 18:12:45
Local clock offset: 1.453 ms
Remote clock offset: -3.721 ms

Below is generated by plot.py at 2018-05-22 19:14:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.49 Mbit/s
95th percentile per-packet one-way delay: 40.187 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 40.49 Mbit/s
95th percentile per-packet one-way delay: 40.356 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 30.72 Mbit/s
95th percentile per-packet one-way delay: 39.919 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 29.03 Mbit/s
95th percentile per-packet one-way delay: 40.117 ms
Loss rate: 0.65%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-05-22 18:33:40

End at: 2018-05-22 18:34:10

Local clock offset: 0.944 ms

Remote clock offset: 4.511 ms

Below is generated by plot.py at 2018-05-22 19:14:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.13 Mbit/s

95th percentile per-packet one-way delay: 37.220 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 40.02 Mbit/s

95th percentile per-packet one-way delay: 38.315 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 34.14 Mbit/s

95th percentile per-packet one-way delay: 33.748 ms

Loss rate: 0.31%

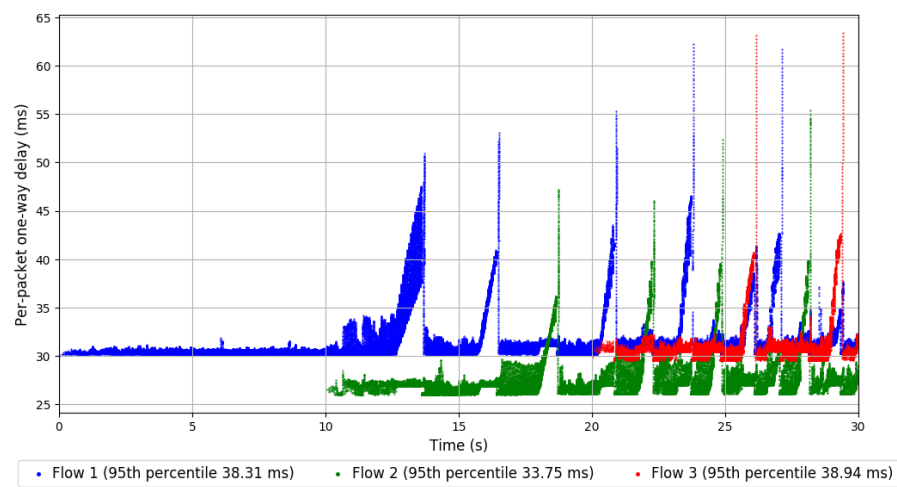
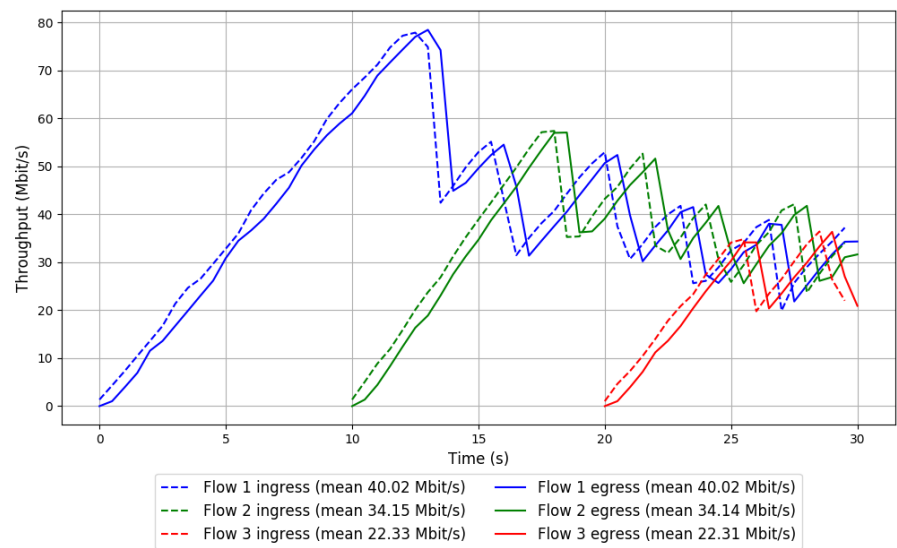
-- Flow 3:

Average throughput: 22.31 Mbit/s

95th percentile per-packet one-way delay: 38.938 ms

Loss rate: 0.66%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-05-22 18:55:15

End at: 2018-05-22 18:55:45

Local clock offset: 0.665 ms

Remote clock offset: 1.177 ms

Below is generated by plot.py at 2018-05-22 19:14:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.83 Mbit/s

95th percentile per-packet one-way delay: 34.729 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 41.86 Mbit/s

95th percentile per-packet one-way delay: 34.658 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 36.88 Mbit/s

95th percentile per-packet one-way delay: 33.704 ms

Loss rate: 0.24%

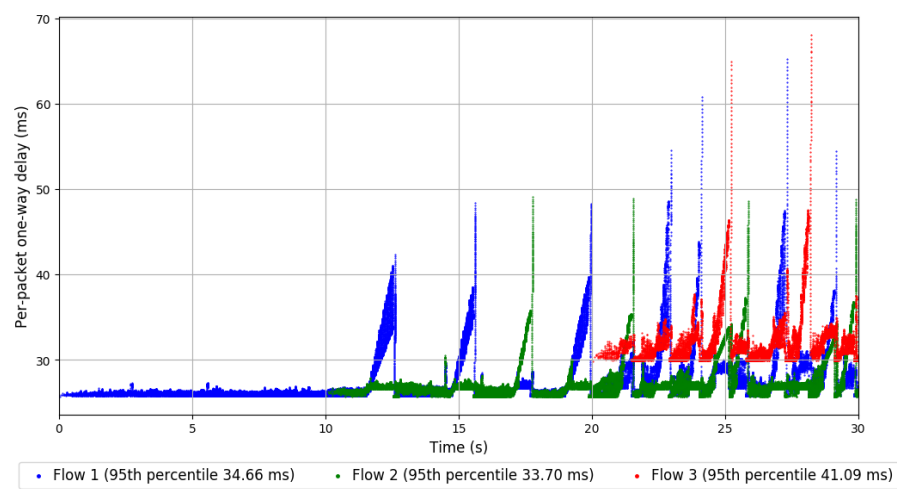
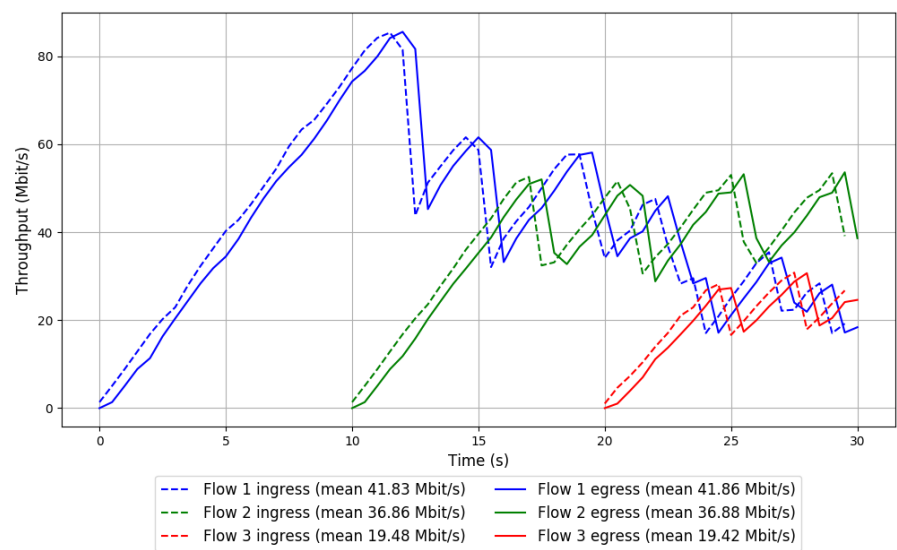
-- Flow 3:

Average throughput: 19.42 Mbit/s

95th percentile per-packet one-way delay: 41.089 ms

Loss rate: 0.91%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-05-22 15:36:04

End at: 2018-05-22 15:36:34

Local clock offset: 1.143 ms

Remote clock offset: -0.84 ms

Below is generated by plot.py at 2018-05-22 19:15:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.11 Mbit/s

95th percentile per-packet one-way delay: 60.095 ms

Loss rate: 5.88%

-- Flow 1:

Average throughput: 57.43 Mbit/s

95th percentile per-packet one-way delay: 58.491 ms

Loss rate: 7.23%

-- Flow 2:

Average throughput: 37.26 Mbit/s

95th percentile per-packet one-way delay: 62.256 ms

Loss rate: 3.92%

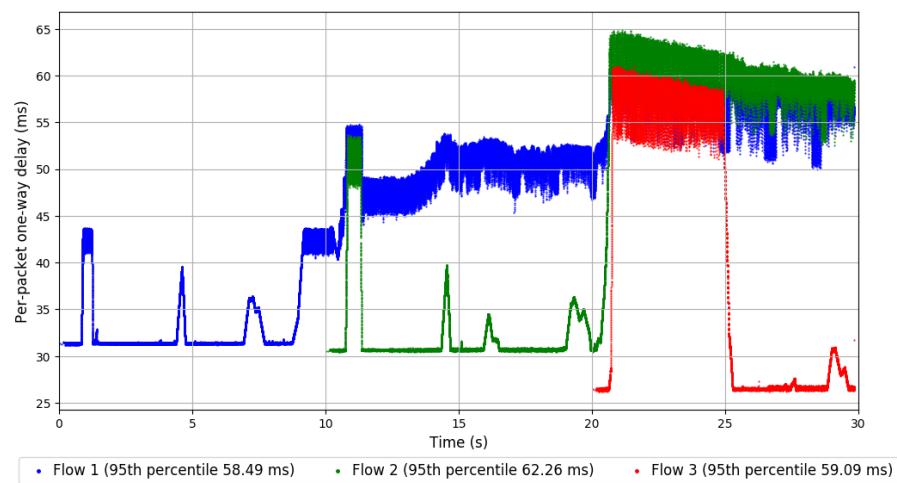
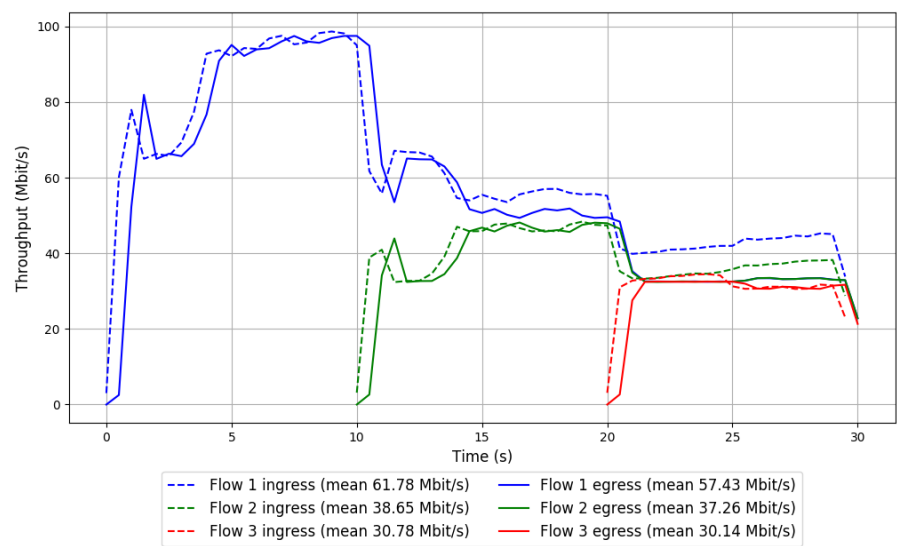
-- Flow 3:

Average throughput: 30.14 Mbit/s

95th percentile per-packet one-way delay: 59.089 ms

Loss rate: 2.57%

Run 1: Report of PCC-Allegro — Data Link

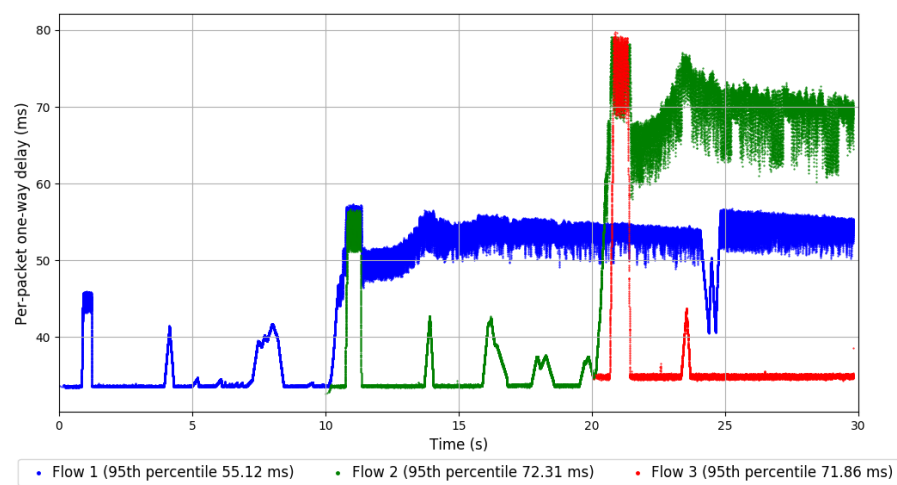
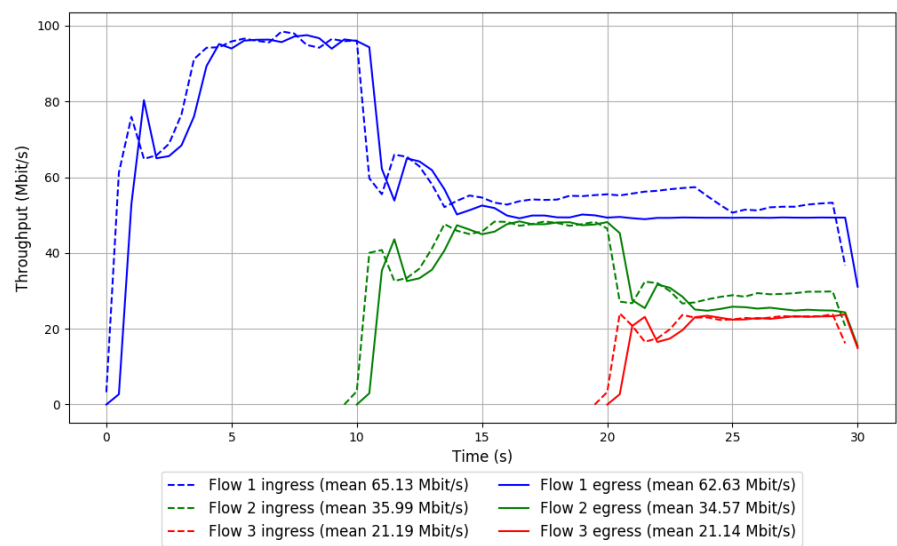


Run 2: Statistics of PCC-Allegro

Start at: 2018-05-22 15:57:19
End at: 2018-05-22 15:57:49
Local clock offset: 1.501 ms
Remote clock offset: -2.706 ms

Below is generated by plot.py at 2018-05-22 19:15:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.57 Mbit/s
95th percentile per-packet one-way delay: 69.253 ms
Loss rate: 3.89%
-- Flow 1:
Average throughput: 62.63 Mbit/s
95th percentile per-packet one-way delay: 55.124 ms
Loss rate: 4.06%
-- Flow 2:
Average throughput: 34.57 Mbit/s
95th percentile per-packet one-way delay: 72.306 ms
Loss rate: 4.31%
-- Flow 3:
Average throughput: 21.14 Mbit/s
95th percentile per-packet one-way delay: 71.860 ms
Loss rate: 0.80%

Run 2: Report of PCC-Allegro — Data Link

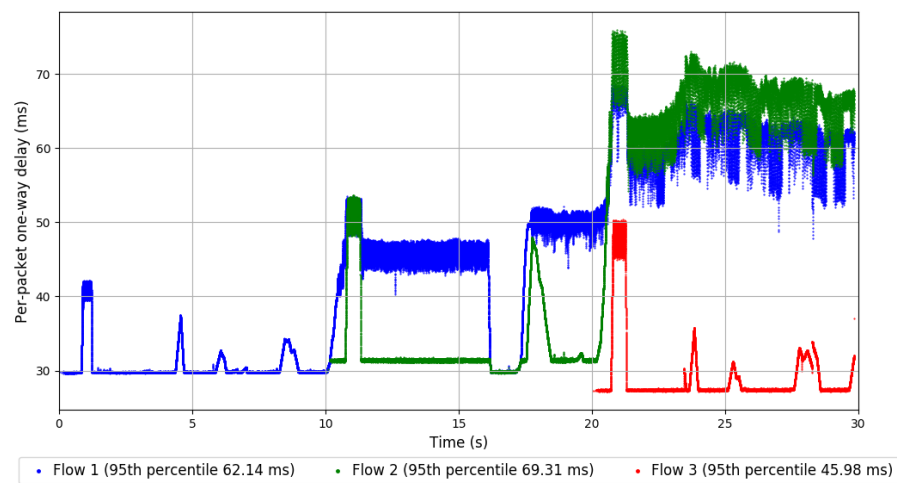
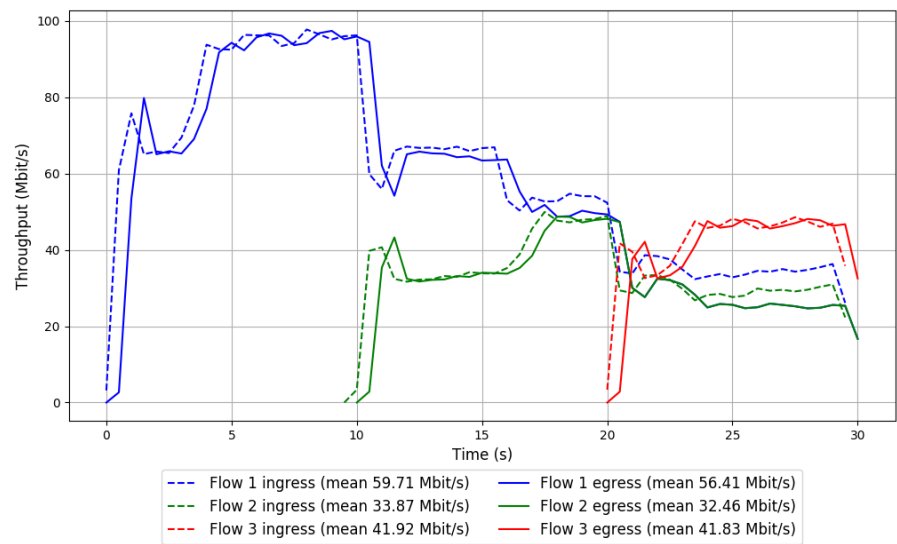


Run 3: Statistics of PCC-Allegro

Start at: 2018-05-22 16:18:40
End at: 2018-05-22 16:19:10
Local clock offset: 0.885 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-05-22 19:15:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.74 Mbit/s
95th percentile per-packet one-way delay: 65.758 ms
Loss rate: 4.73%
-- Flow 1:
Average throughput: 56.41 Mbit/s
95th percentile per-packet one-way delay: 62.141 ms
Loss rate: 5.74%
-- Flow 2:
Average throughput: 32.46 Mbit/s
95th percentile per-packet one-way delay: 69.308 ms
Loss rate: 4.51%
-- Flow 3:
Average throughput: 41.83 Mbit/s
95th percentile per-packet one-way delay: 45.976 ms
Loss rate: 0.75%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-05-22 16:39:59

End at: 2018-05-22 16:40:29

Local clock offset: 1.156 ms

Remote clock offset: 0.707 ms

Below is generated by plot.py at 2018-05-22 19:15:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.29 Mbit/s

95th percentile per-packet one-way delay: 62.573 ms

Loss rate: 5.12%

-- Flow 1:

Average throughput: 58.74 Mbit/s

95th percentile per-packet one-way delay: 57.375 ms

Loss rate: 6.25%

-- Flow 2:

Average throughput: 36.93 Mbit/s

95th percentile per-packet one-way delay: 63.930 ms

Loss rate: 3.41%

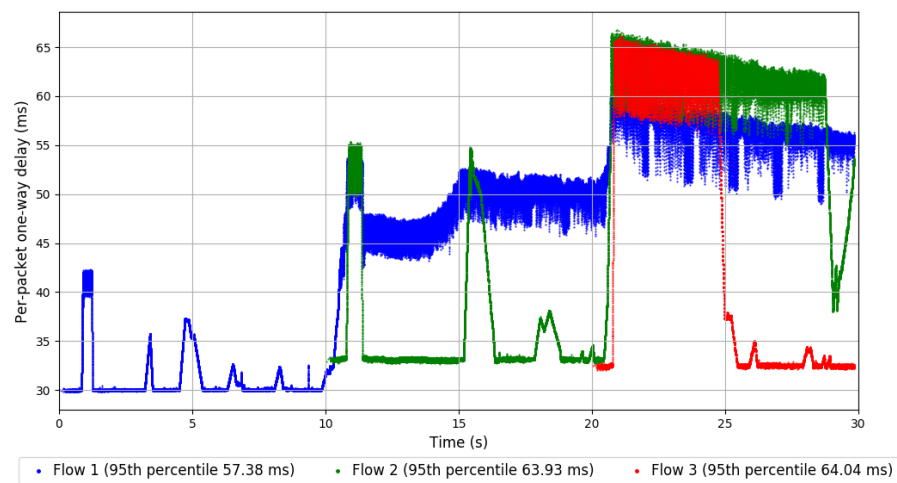
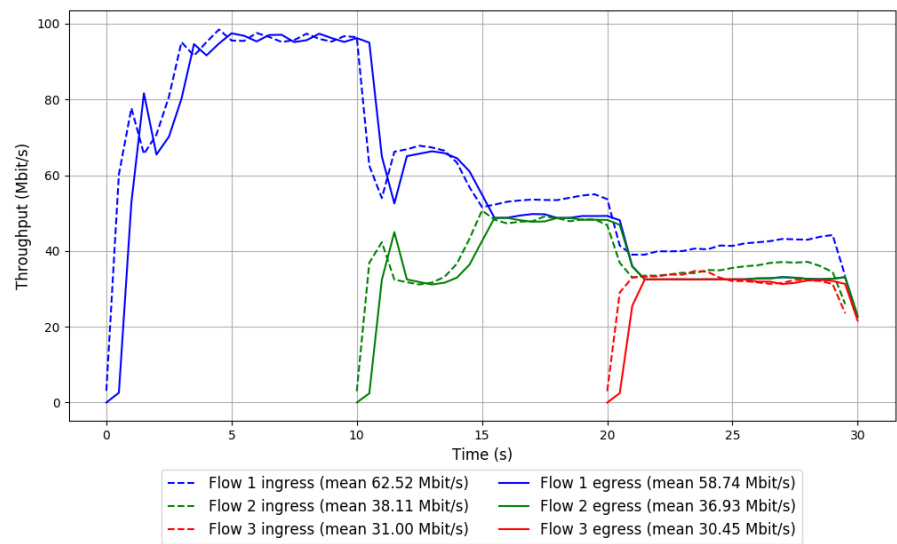
-- Flow 3:

Average throughput: 30.45 Mbit/s

95th percentile per-packet one-way delay: 64.043 ms

Loss rate: 2.43%

Run 4: Report of PCC-Allegro — Data Link

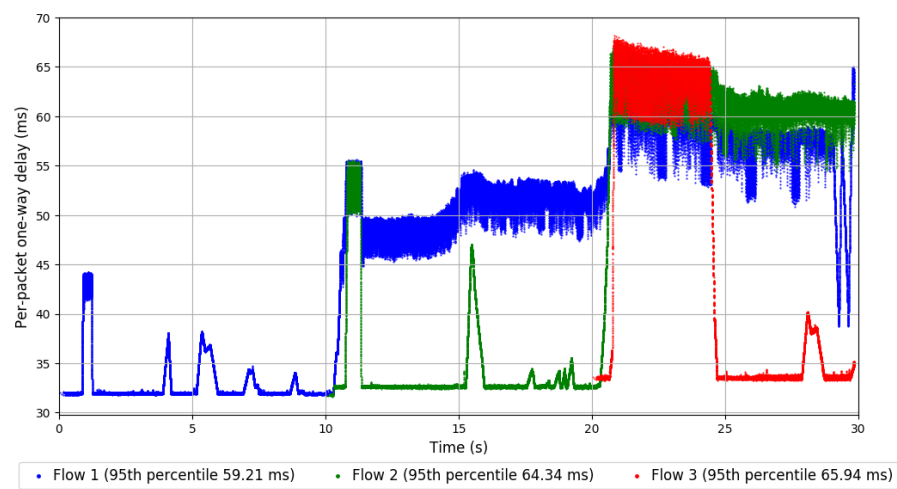
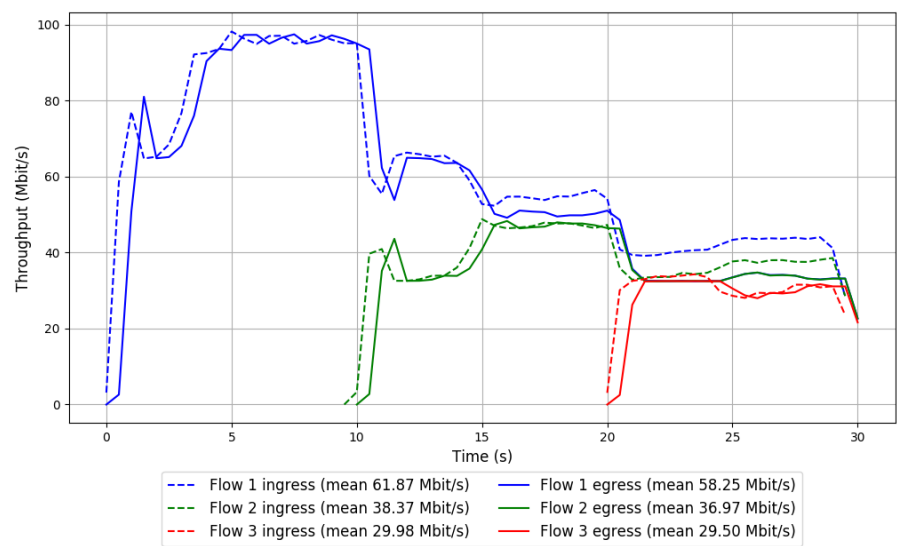


Run 5: Statistics of PCC-Allegro

Start at: 2018-05-22 17:01:29
End at: 2018-05-22 17:01:59
Local clock offset: 0.968 ms
Remote clock offset: -6.024 ms

Below is generated by plot.py at 2018-05-22 19:15:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.52 Mbit/s
95th percentile per-packet one-way delay: 63.284 ms
Loss rate: 5.12%
-- Flow 1:
Average throughput: 58.25 Mbit/s
95th percentile per-packet one-way delay: 59.211 ms
Loss rate: 6.07%
-- Flow 2:
Average throughput: 36.97 Mbit/s
95th percentile per-packet one-way delay: 64.344 ms
Loss rate: 3.96%
-- Flow 3:
Average throughput: 29.50 Mbit/s
95th percentile per-packet one-way delay: 65.939 ms
Loss rate: 2.21%

Run 5: Report of PCC-Allegro — Data Link

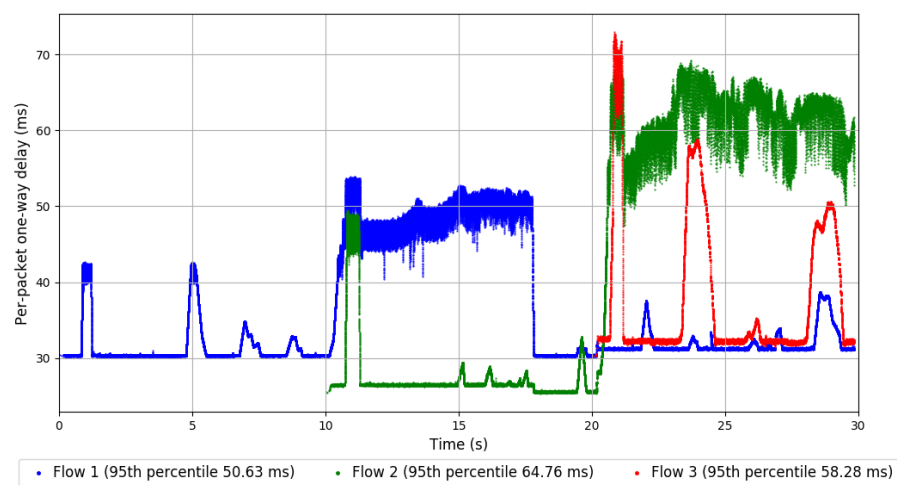
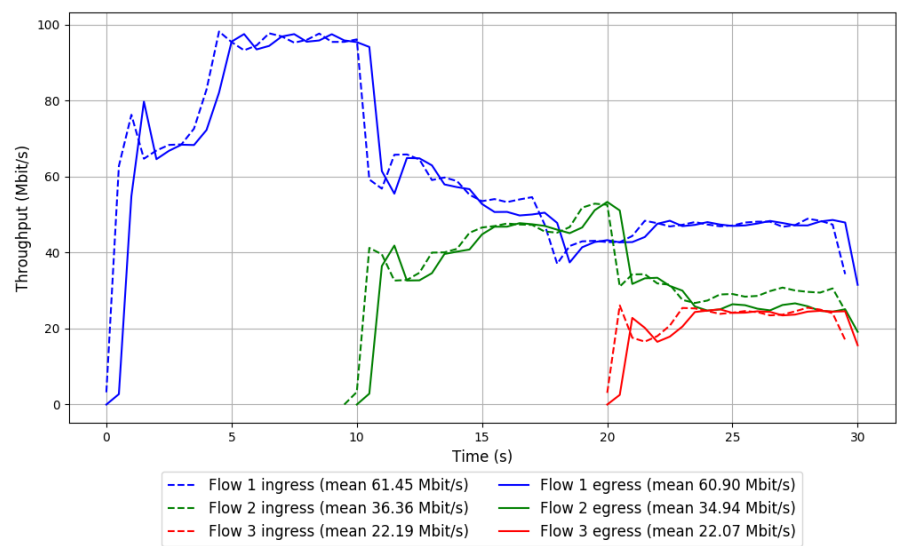


Run 6: Statistics of PCC-Allegro

Start at: 2018-05-22 17:22:53
End at: 2018-05-22 17:23:23
Local clock offset: 1.452 ms
Remote clock offset: -9.286 ms

Below is generated by plot.py at 2018-05-22 19:15:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.38 Mbit/s
95th percentile per-packet one-way delay: 60.894 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 60.90 Mbit/s
95th percentile per-packet one-way delay: 50.626 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 34.94 Mbit/s
95th percentile per-packet one-way delay: 64.762 ms
Loss rate: 4.19%
-- Flow 3:
Average throughput: 22.07 Mbit/s
95th percentile per-packet one-way delay: 58.281 ms
Loss rate: 1.12%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-05-22 17:44:23

End at: 2018-05-22 17:44:53

Local clock offset: 1.347 ms

Remote clock offset: -12.067 ms

Below is generated by plot.py at 2018-05-22 19:15:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.85 Mbit/s

95th percentile per-packet one-way delay: 64.459 ms

Loss rate: 5.06%

-- Flow 1:

Average throughput: 56.30 Mbit/s

95th percentile per-packet one-way delay: 56.822 ms

Loss rate: 6.44%

-- Flow 2:

Average throughput: 35.07 Mbit/s

95th percentile per-packet one-way delay: 68.849 ms

Loss rate: 4.05%

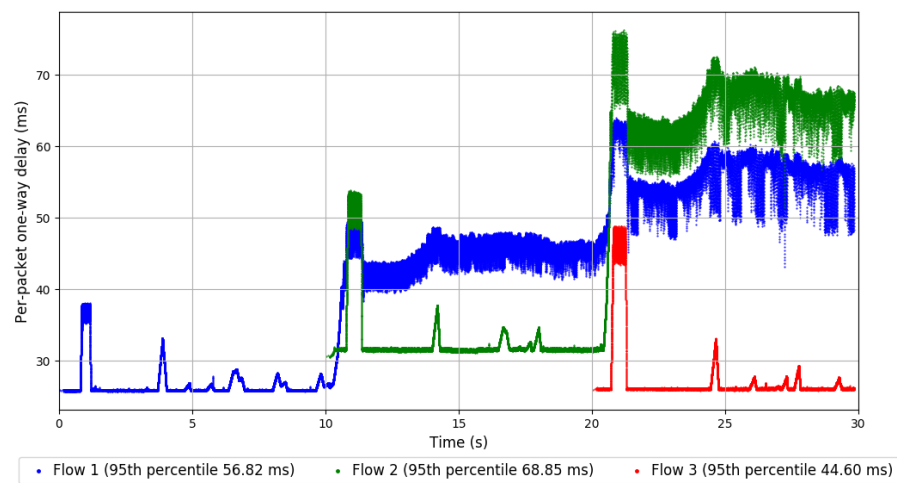
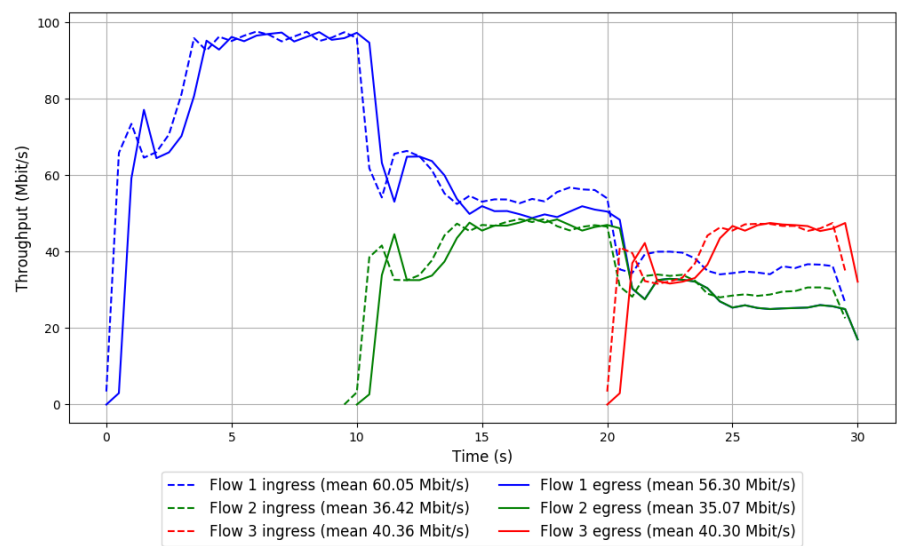
-- Flow 3:

Average throughput: 40.30 Mbit/s

95th percentile per-packet one-way delay: 44.602 ms

Loss rate: 0.70%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-22 18:05:39

End at: 2018-05-22 18:06:09

Local clock offset: 1.367 ms

Remote clock offset: -10.378 ms

Below is generated by plot.py at 2018-05-22 19:15:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.55 Mbit/s

95th percentile per-packet one-way delay: 63.422 ms

Loss rate: 2.66%

-- Flow 1:

Average throughput: 56.96 Mbit/s

95th percentile per-packet one-way delay: 65.877 ms

Loss rate: 3.99%

-- Flow 2:

Average throughput: 43.68 Mbit/s

95th percentile per-packet one-way delay: 39.195 ms

Loss rate: 0.36%

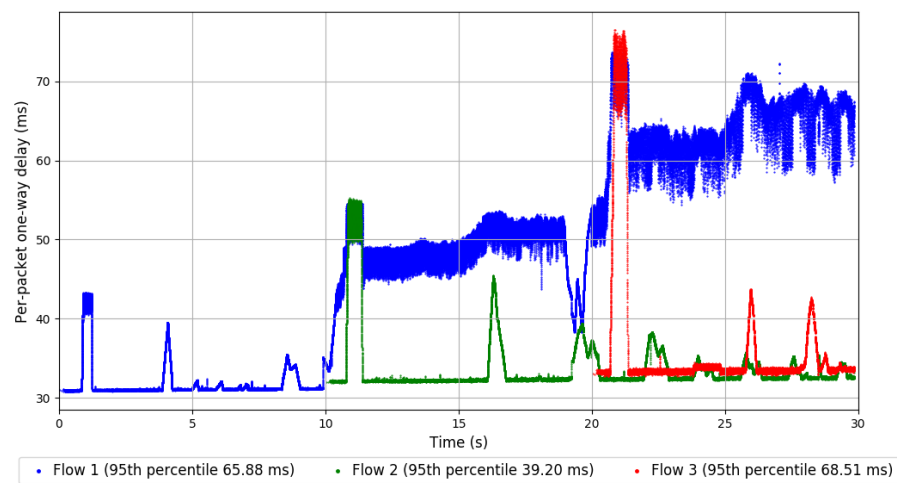
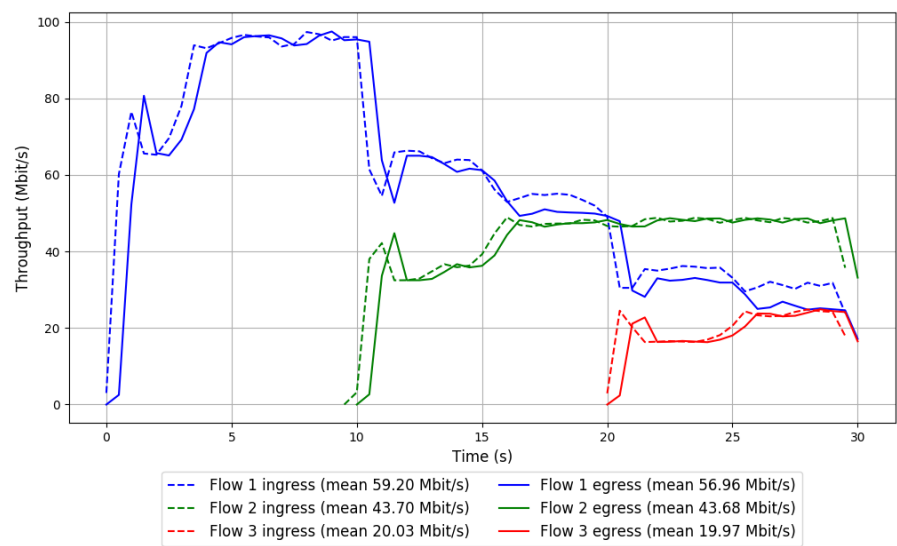
-- Flow 3:

Average throughput: 19.97 Mbit/s

95th percentile per-packet one-way delay: 68.513 ms

Loss rate: 0.88%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-05-22 18:27:04

End at: 2018-05-22 18:27:34

Local clock offset: 1.358 ms

Remote clock offset: 2.887 ms

Below is generated by plot.py at 2018-05-22 19:16:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.84 Mbit/s

95th percentile per-packet one-way delay: 58.711 ms

Loss rate: 5.09%

-- Flow 1:

Average throughput: 57.02 Mbit/s

95th percentile per-packet one-way delay: 57.361 ms

Loss rate: 6.39%

-- Flow 2:

Average throughput: 37.45 Mbit/s

95th percentile per-packet one-way delay: 58.135 ms

Loss rate: 2.69%

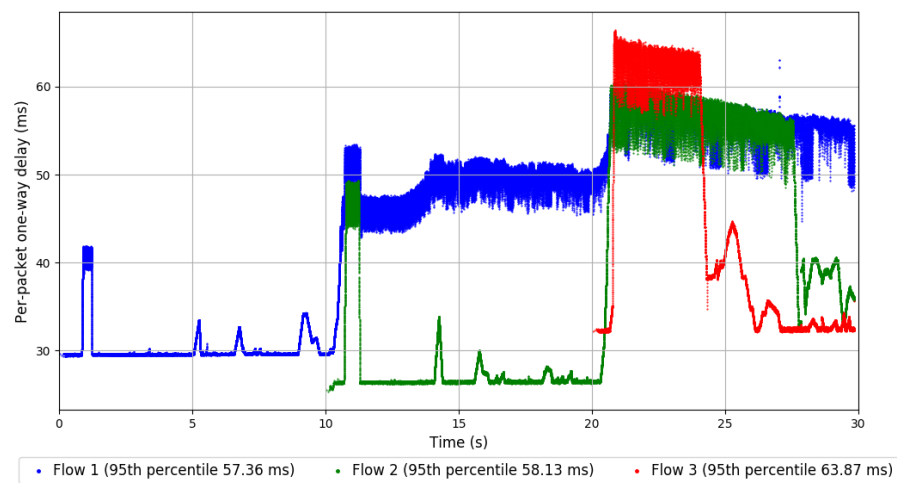
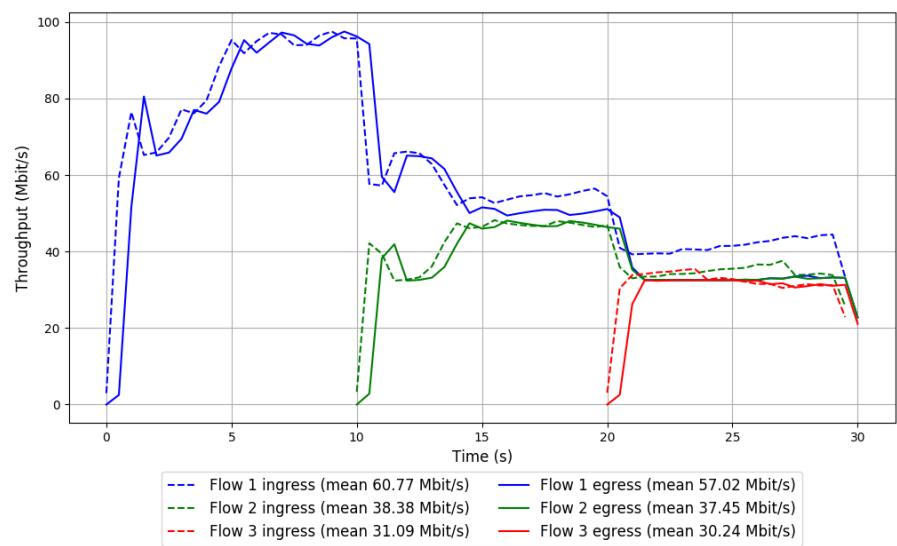
-- Flow 3:

Average throughput: 30.24 Mbit/s

95th percentile per-packet one-way delay: 63.874 ms

Loss rate: 3.31%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-05-22 18:48:38

End at: 2018-05-22 18:49:08

Local clock offset: 0.724 ms

Remote clock offset: 1.415 ms

Below is generated by plot.py at 2018-05-22 19:16:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.97 Mbit/s

95th percentile per-packet one-way delay: 64.728 ms

Loss rate: 1.86%

-- Flow 1:

Average throughput: 61.83 Mbit/s

95th percentile per-packet one-way delay: 51.399 ms

Loss rate: 0.91%

-- Flow 2:

Average throughput: 34.82 Mbit/s

95th percentile per-packet one-way delay: 68.782 ms

Loss rate: 4.22%

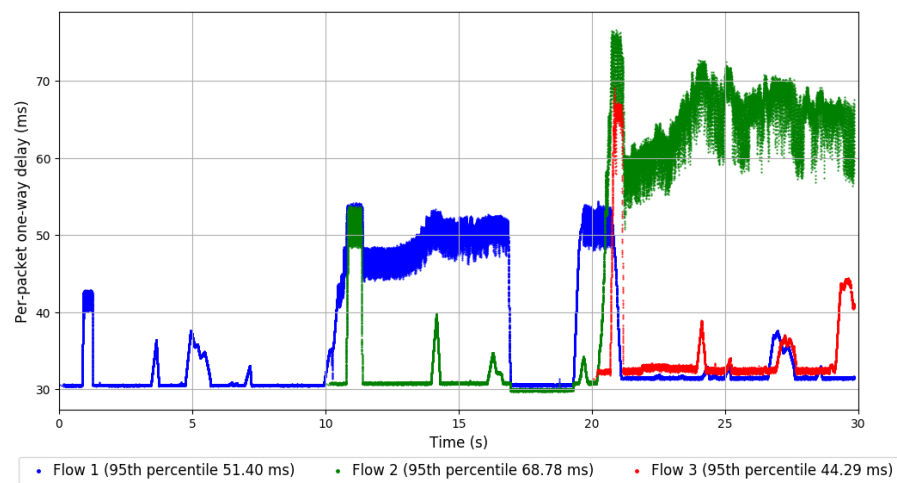
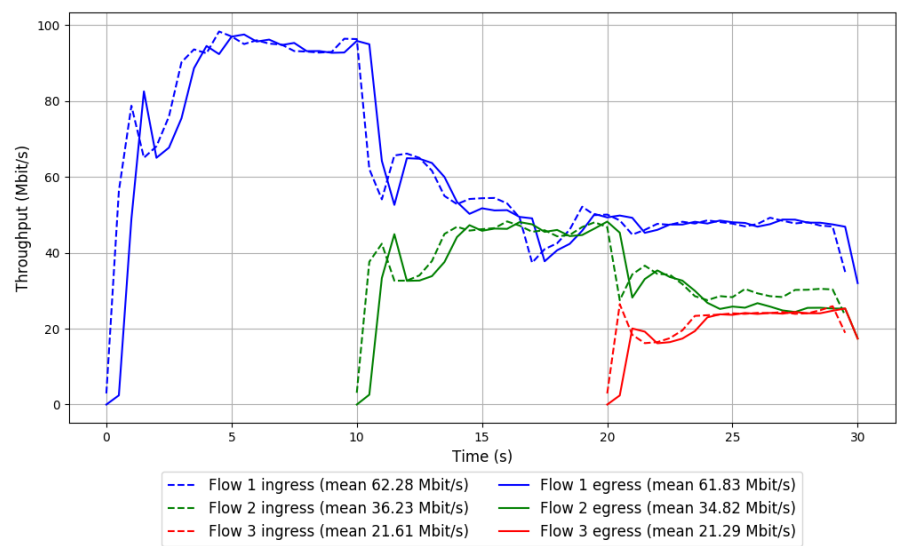
-- Flow 3:

Average throughput: 21.29 Mbit/s

95th percentile per-packet one-way delay: 44.294 ms

Loss rate: 2.09%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-05-22 15:33:30
End at: 2018-05-22 15:34:00
Local clock offset: 1.057 ms
Remote clock offset: -0.837 ms

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-05-22 15:54:45

End at: 2018-05-22 15:55:15

Local clock offset: 1.437 ms

Remote clock offset: -0.2 ms

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

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

End at: 2018-05-22 16:16:35

Local clock offset: 0.994 ms

Remote clock offset: -2.246 ms

Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-05-22 16:37:25

End at: 2018-05-22 16:37:55

Local clock offset: 1.055 ms

Remote clock offset: 0.616 ms

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-05-22 16:58:52

End at: 2018-05-22 16:59:22

Local clock offset: 1.048 ms

Remote clock offset: -2.038 ms

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-05-22 17:20:19

End at: 2018-05-22 17:20:49

Local clock offset: 1.426 ms

Remote clock offset: -8.867 ms

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-05-22 17:41:35
End at: 2018-05-22 17:42:05
Local clock offset: 1.356 ms
Remote clock offset: -12.073 ms

Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-05-22 18:03:04
End at: 2018-05-22 18:03:34
Local clock offset: 1.46 ms
Remote clock offset: -14.219 ms

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-05-22 18:24:31

End at: 2018-05-22 18:25:01

Local clock offset: 1.337 ms

Remote clock offset: 2.171 ms

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-05-22 18:46:04

End at: 2018-05-22 18:46:34

Local clock offset: 0.765 ms

Remote clock offset: 2.154 ms

Run 10: Report of PCC-Expr — Data Link

Figure is missing

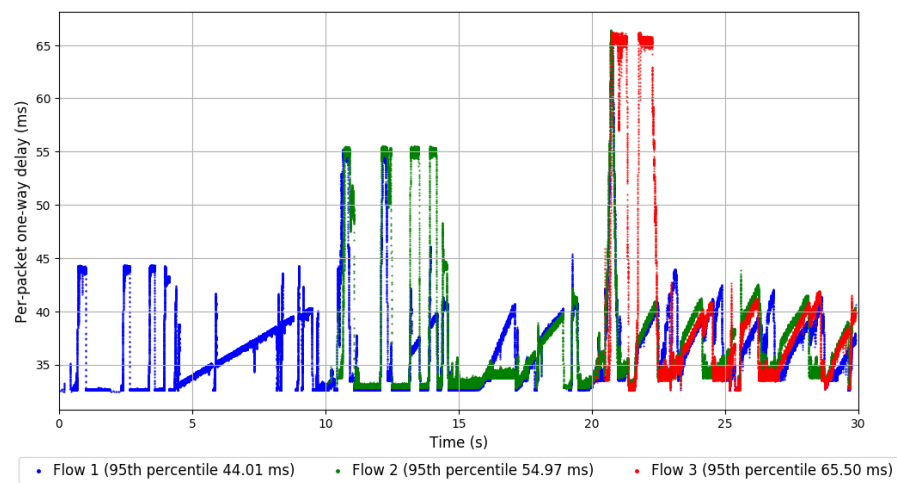
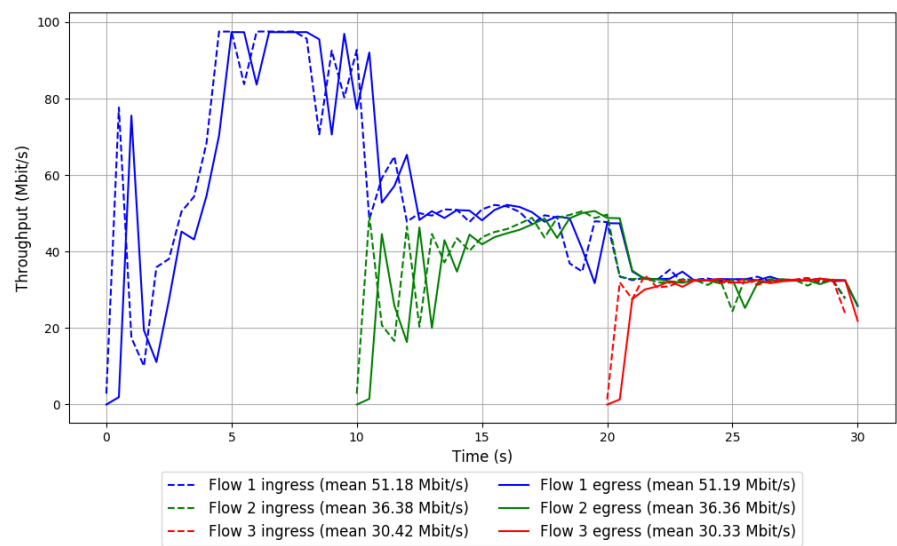
Figure is missing

Run 1: Statistics of QUIC Cubic

Start at: 2018-05-22 15:45:21
End at: 2018-05-22 15:45:51
Local clock offset: 1.446 ms
Remote clock offset: -2.817 ms

Below is generated by plot.py at 2018-05-22 19:16:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.33 Mbit/s
95th percentile per-packet one-way delay: 51.520 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 51.19 Mbit/s
95th percentile per-packet one-way delay: 44.009 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 36.36 Mbit/s
95th percentile per-packet one-way delay: 54.974 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 30.33 Mbit/s
95th percentile per-packet one-way delay: 65.495 ms
Loss rate: 0.92%

Run 1: Report of QUIC Cubic — Data Link

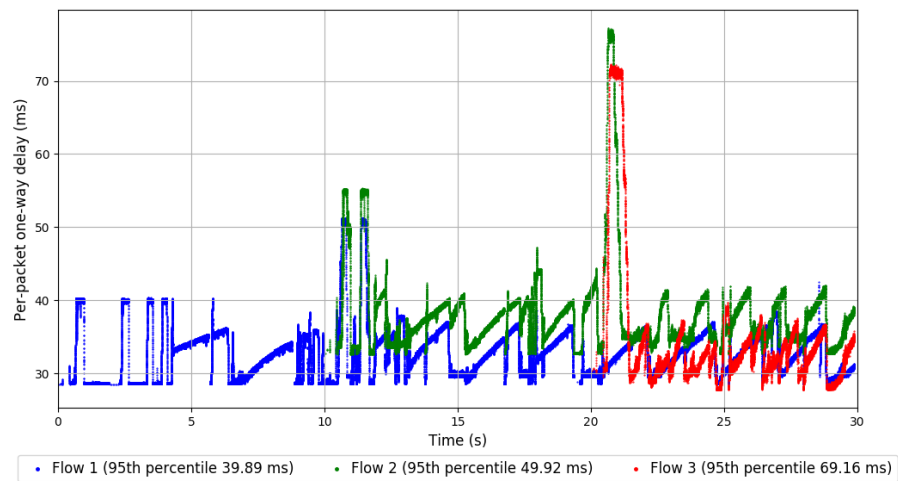
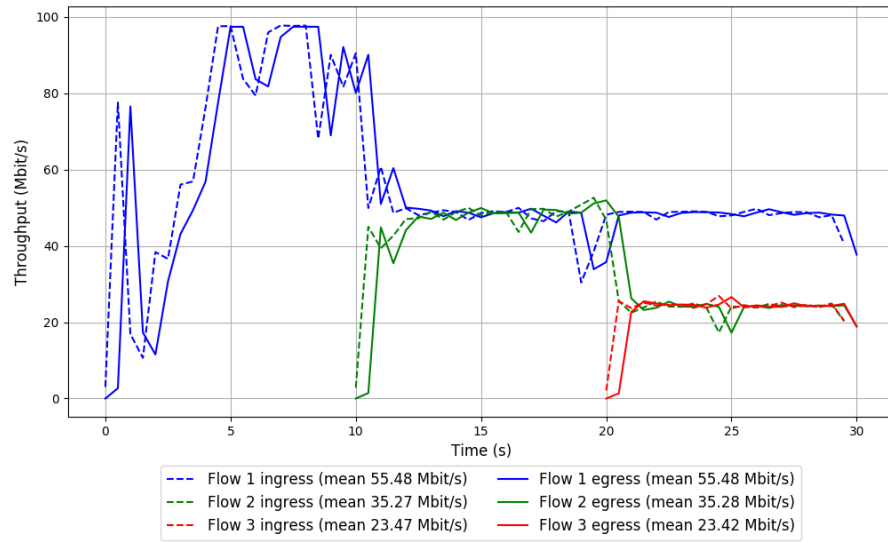


Run 2: Statistics of QUIC Cubic

Start at: 2018-05-22 16:06:38
End at: 2018-05-22 16:07:08
Local clock offset: 1.134 ms
Remote clock offset: -2.511 ms

Below is generated by plot.py at 2018-05-22 19:16:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.64 Mbit/s
95th percentile per-packet one-way delay: 40.883 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 55.48 Mbit/s
95th percentile per-packet one-way delay: 39.893 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 35.28 Mbit/s
95th percentile per-packet one-way delay: 49.917 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 23.42 Mbit/s
95th percentile per-packet one-way delay: 69.162 ms
Loss rate: 0.78%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-05-22 16:28:00

End at: 2018-05-22 16:28:30

Local clock offset: 0.906 ms

Remote clock offset: 0.836 ms

Below is generated by plot.py at 2018-05-22 19:16:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.76 Mbit/s

95th percentile per-packet one-way delay: 47.029 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 48.38 Mbit/s

95th percentile per-packet one-way delay: 36.709 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 32.61 Mbit/s

95th percentile per-packet one-way delay: 52.215 ms

Loss rate: 0.33%

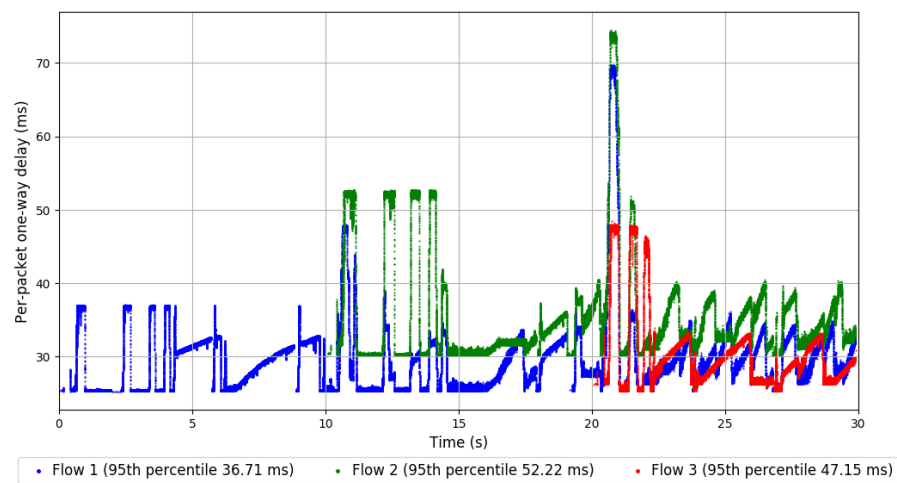
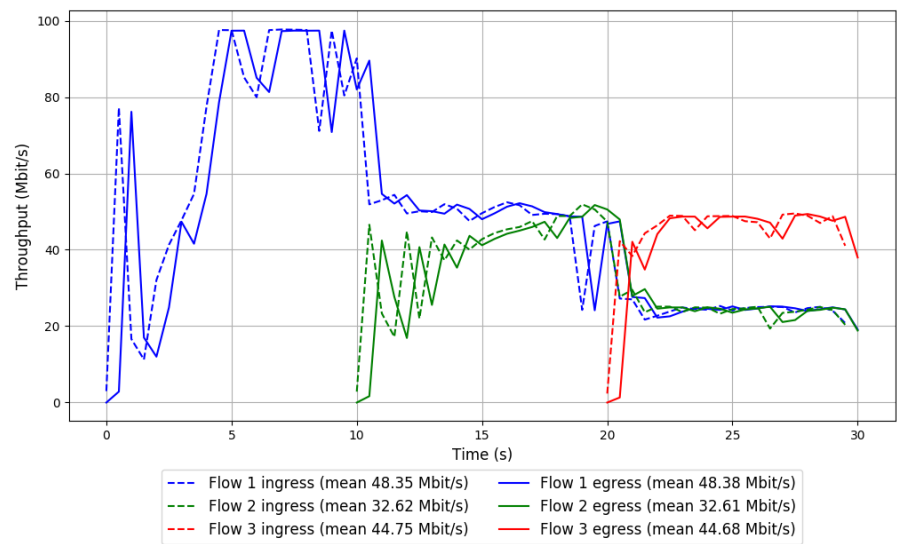
-- Flow 3:

Average throughput: 44.68 Mbit/s

95th percentile per-packet one-way delay: 47.148 ms

Loss rate: 0.71%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-05-22 16:49:17

End at: 2018-05-22 16:49:47

Local clock offset: 1.2 ms

Remote clock offset: 1.343 ms

Below is generated by plot.py at 2018-05-22 19:16:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.47 Mbit/s

95th percentile per-packet one-way delay: 37.581 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 48.04 Mbit/s

95th percentile per-packet one-way delay: 37.418 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 46.48 Mbit/s

95th percentile per-packet one-way delay: 34.504 ms

Loss rate: 0.34%

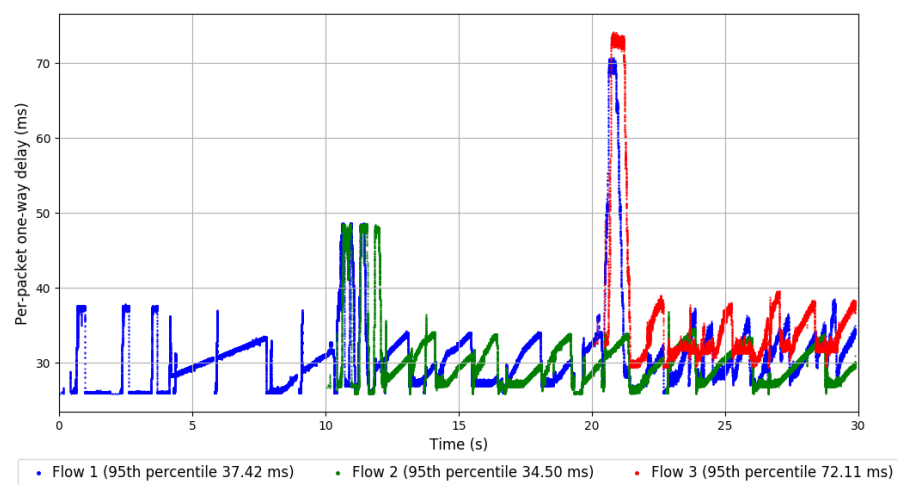
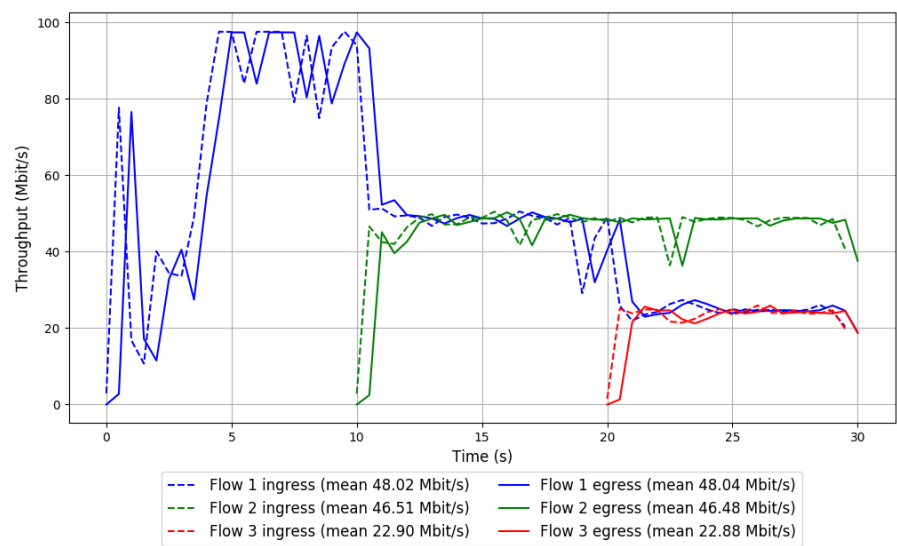
-- Flow 3:

Average throughput: 22.88 Mbit/s

95th percentile per-packet one-way delay: 72.106 ms

Loss rate: 0.73%

Run 4: Report of QUIC Cubic — Data Link

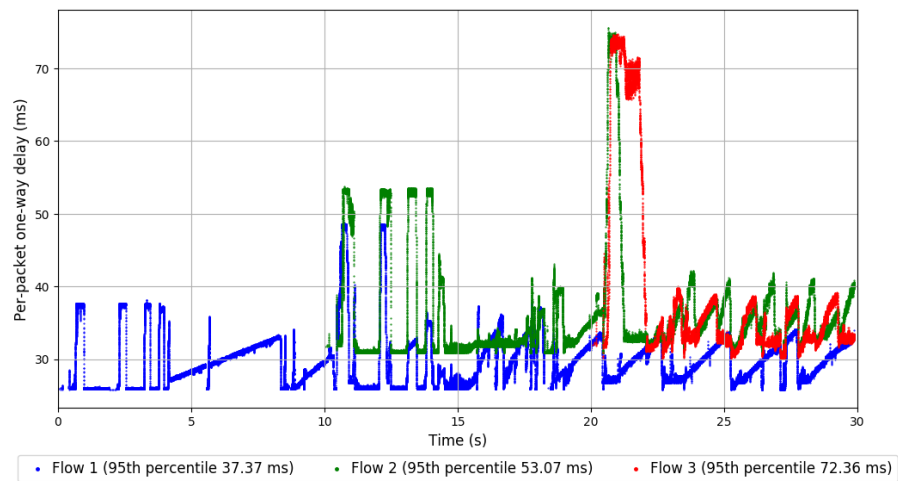
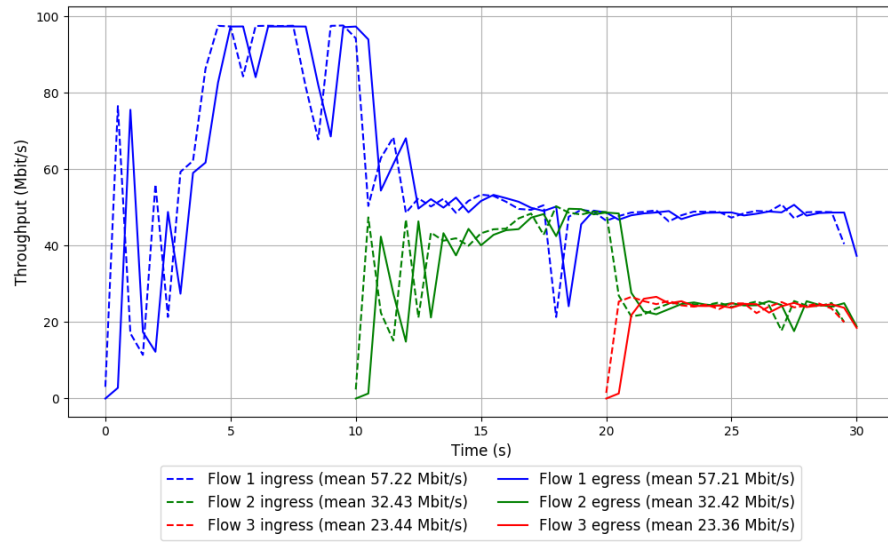


Run 5: Statistics of QUIC Cubic

Start at: 2018-05-22 17:10:54
End at: 2018-05-22 17:11:24
Local clock offset: 0.897 ms
Remote clock offset: -6.697 ms

Below is generated by plot.py at 2018-05-22 19:17:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.45 Mbit/s
95th percentile per-packet one-way delay: 47.816 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 57.21 Mbit/s
95th percentile per-packet one-way delay: 37.367 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 32.42 Mbit/s
95th percentile per-packet one-way delay: 53.066 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 23.36 Mbit/s
95th percentile per-packet one-way delay: 72.359 ms
Loss rate: 0.97%

Run 5: Report of QUIC Cubic — Data Link

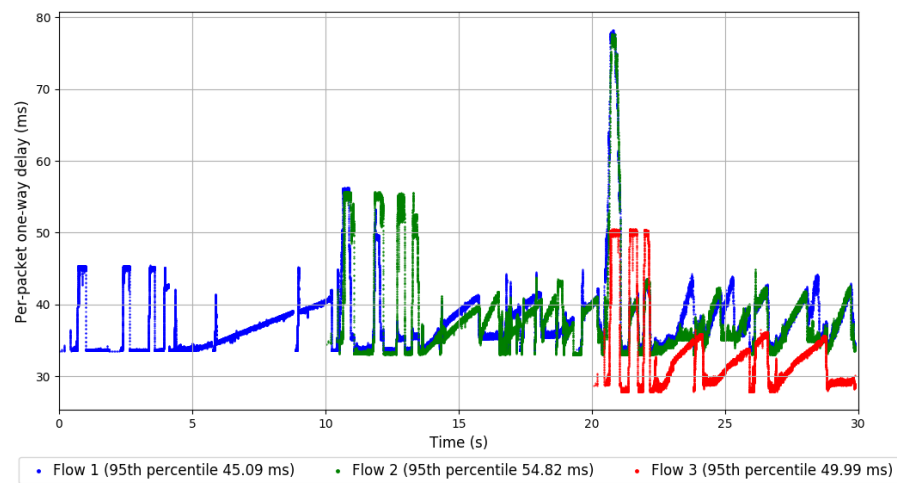
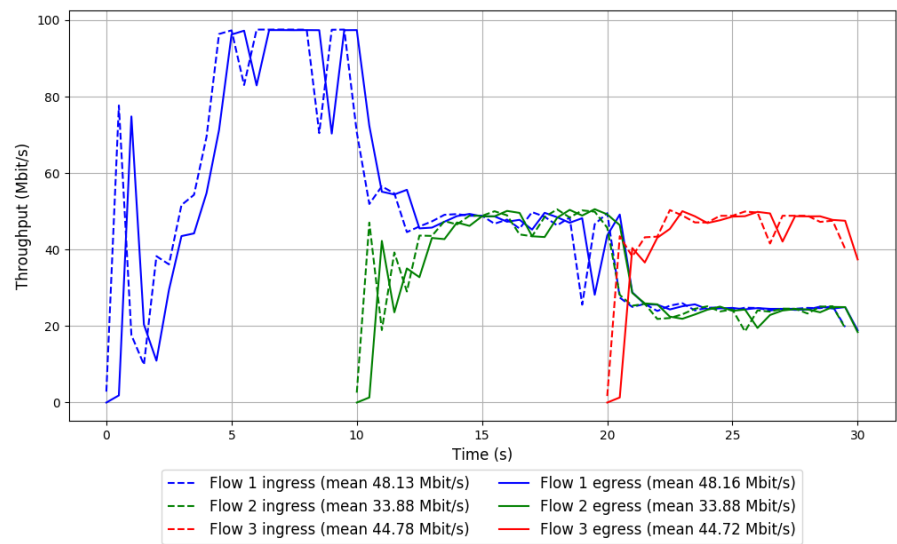


Run 6: Statistics of QUIC Cubic

Start at: 2018-05-22 17:32:12
End at: 2018-05-22 17:32:42
Local clock offset: 1.528 ms
Remote clock offset: -12.974 ms

Below is generated by plot.py at 2018-05-22 19:17:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.38 Mbit/s
95th percentile per-packet one-way delay: 49.652 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 48.16 Mbit/s
95th percentile per-packet one-way delay: 45.093 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 33.88 Mbit/s
95th percentile per-packet one-way delay: 54.820 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 44.72 Mbit/s
95th percentile per-packet one-way delay: 49.990 ms
Loss rate: 0.68%

Run 6: Report of QUIC Cubic — Data Link

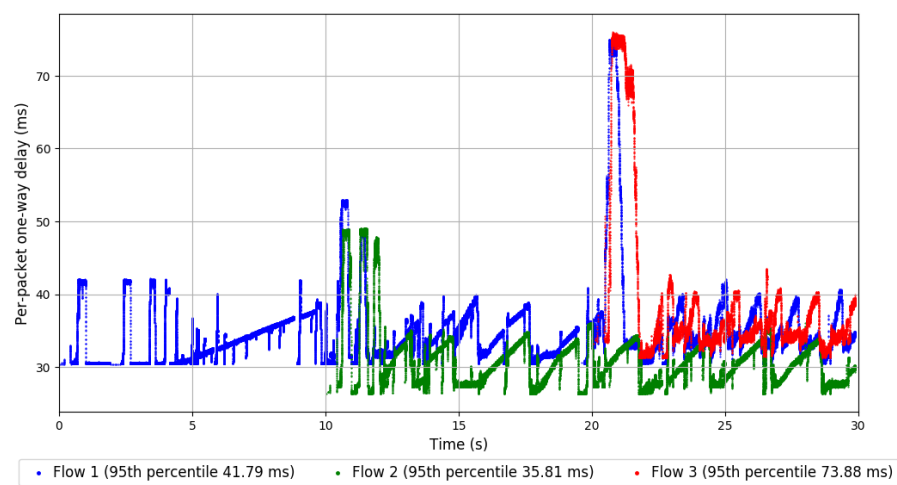
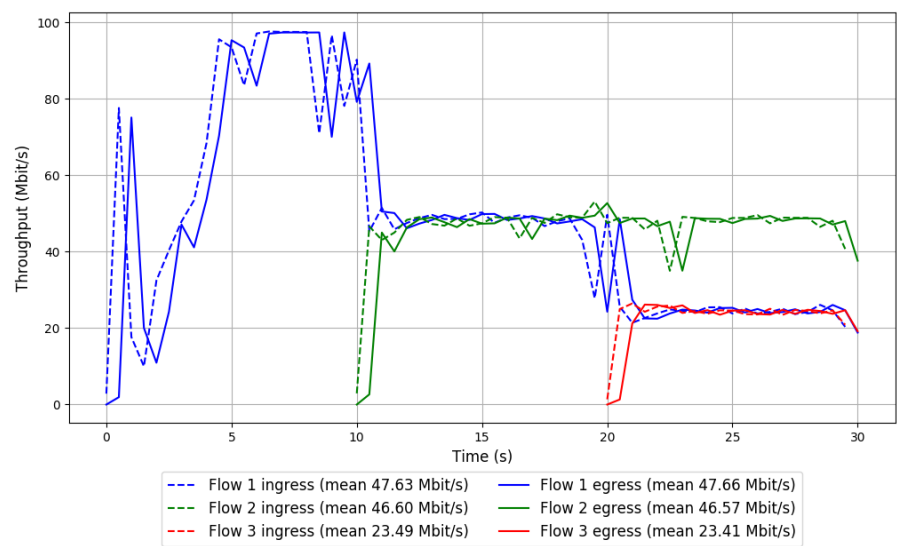


Run 7: Statistics of QUIC Cubic

Start at: 2018-05-22 17:53:40
End at: 2018-05-22 17:54:10
Local clock offset: 1.412 ms
Remote clock offset: -13.719 ms

Below is generated by plot.py at 2018-05-22 19:17:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.32 Mbit/s
95th percentile per-packet one-way delay: 41.835 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 47.66 Mbit/s
95th percentile per-packet one-way delay: 41.787 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 46.57 Mbit/s
95th percentile per-packet one-way delay: 35.813 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 23.41 Mbit/s
95th percentile per-packet one-way delay: 73.878 ms
Loss rate: 0.95%

Run 7: Report of QUIC Cubic — Data Link

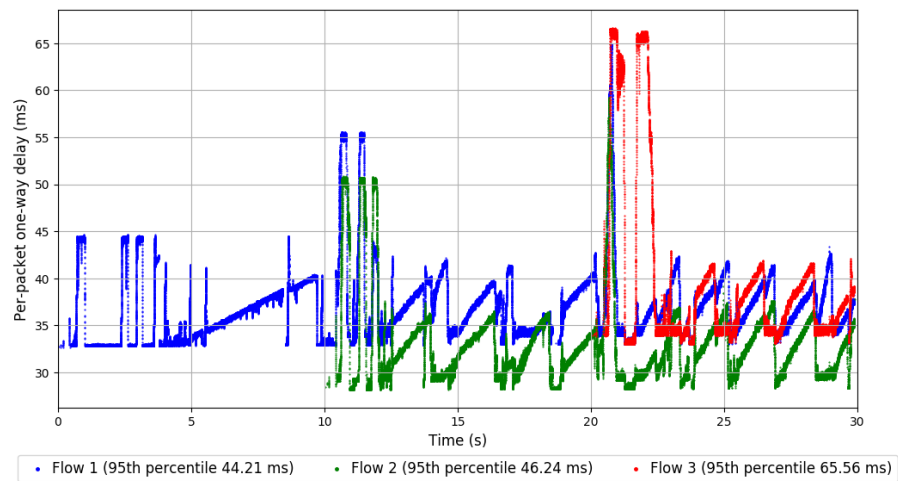
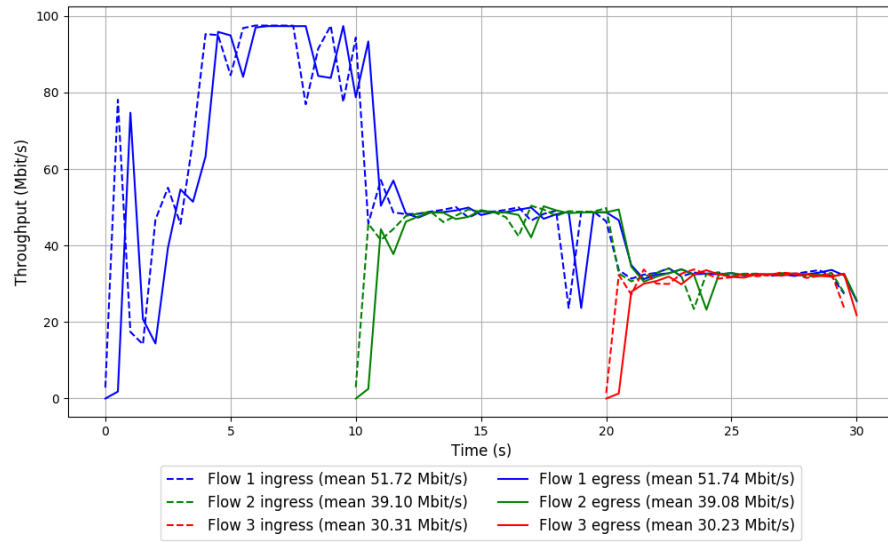


Run 8: Statistics of QUIC Cubic

Start at: 2018-05-22 18:15:00
End at: 2018-05-22 18:15:30
Local clock offset: 1.448 ms
Remote clock offset: -4.103 ms

Below is generated by plot.py at 2018-05-22 19:17:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.67 Mbit/s
95th percentile per-packet one-way delay: 44.344 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 51.74 Mbit/s
95th percentile per-packet one-way delay: 44.206 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 39.08 Mbit/s
95th percentile per-packet one-way delay: 46.239 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 30.23 Mbit/s
95th percentile per-packet one-way delay: 65.559 ms
Loss rate: 0.88%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-05-22 18:36:23

End at: 2018-05-22 18:36:53

Local clock offset: 0.948 ms

Remote clock offset: 2.615 ms

Below is generated by plot.py at 2018-05-22 19:18:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.34 Mbit/s

95th percentile per-packet one-way delay: 46.276 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 52.37 Mbit/s

95th percentile per-packet one-way delay: 44.151 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 39.01 Mbit/s

95th percentile per-packet one-way delay: 50.188 ms

Loss rate: 0.30%

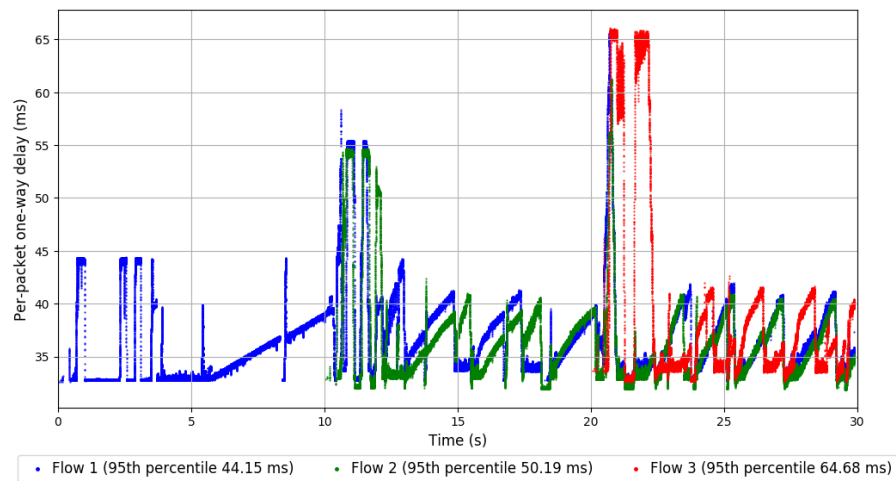
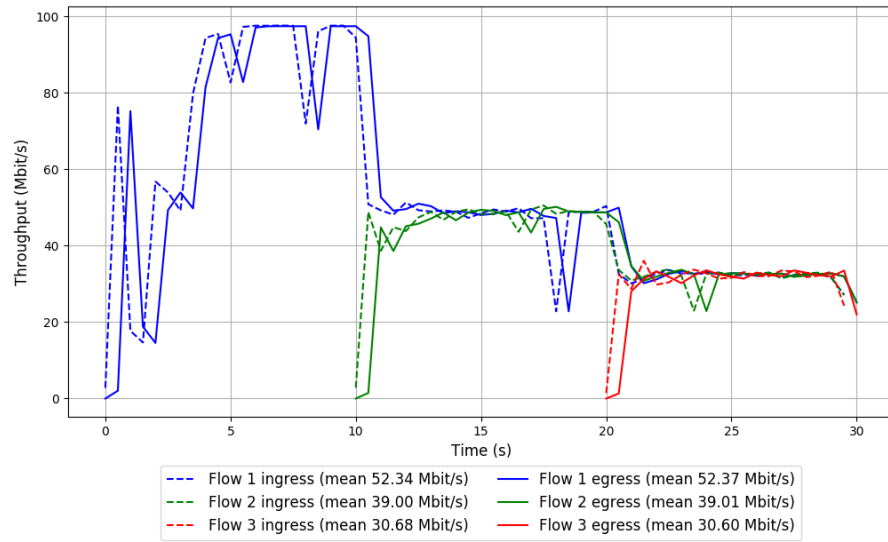
-- Flow 3:

Average throughput: 30.60 Mbit/s

95th percentile per-packet one-way delay: 64.680 ms

Loss rate: 0.88%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-05-22 18:57:57

End at: 2018-05-22 18:58:27

Local clock offset: 0.59 ms

Remote clock offset: 1.268 ms

Below is generated by plot.py at 2018-05-22 19:18:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.84 Mbit/s

95th percentile per-packet one-way delay: 42.113 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 48.18 Mbit/s

95th percentile per-packet one-way delay: 42.107 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 46.54 Mbit/s

95th percentile per-packet one-way delay: 38.609 ms

Loss rate: 0.37%

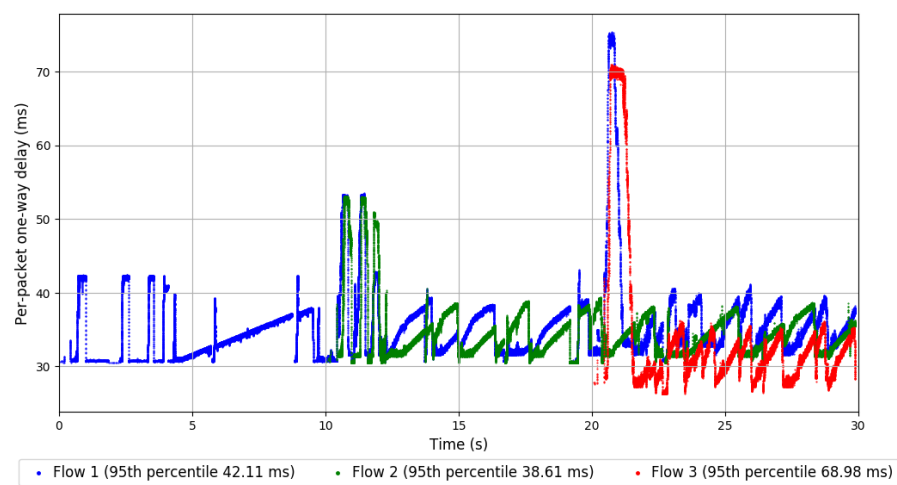
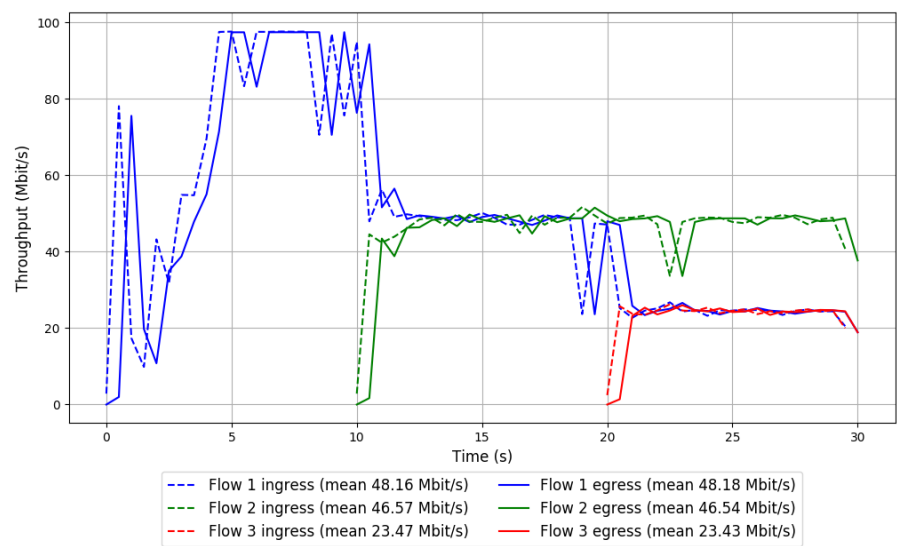
-- Flow 3:

Average throughput: 23.43 Mbit/s

95th percentile per-packet one-way delay: 68.979 ms

Loss rate: 0.73%

Run 10: Report of QUIC Cubic — Data Link

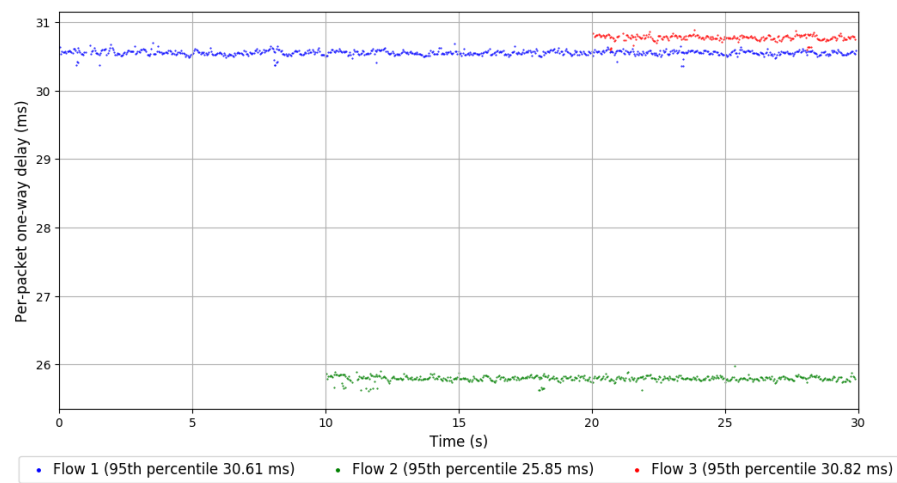
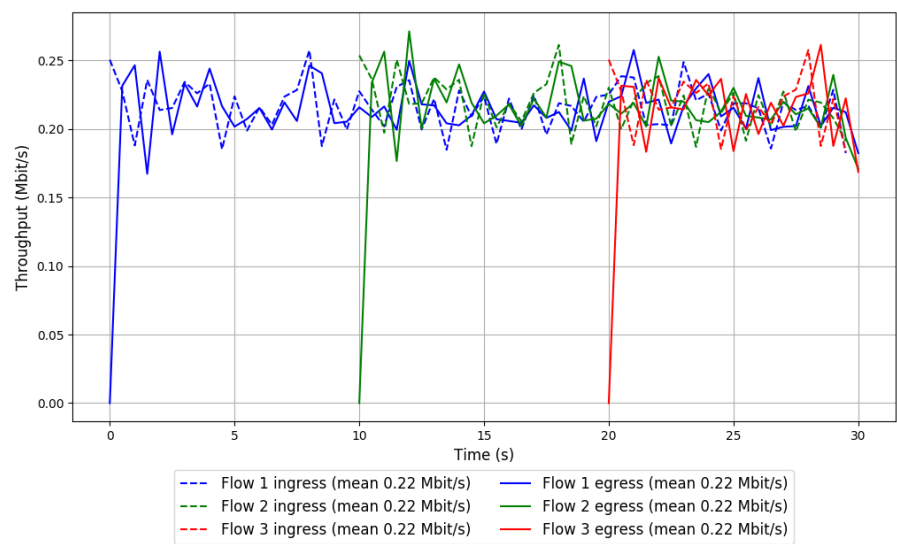


```
Run 1: Statistics of SCReAM

Start at: 2018-05-22 15:40:03
End at: 2018-05-22 15:40:33
Local clock offset: 1.316 ms
Remote clock offset: -0.839 ms

# Below is generated by plot.py at 2018-05-22 19:18:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 30.799 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.609 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.851 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.823 ms
Loss rate: 0.71%
```

Run 1: Report of SReAM — Data Link

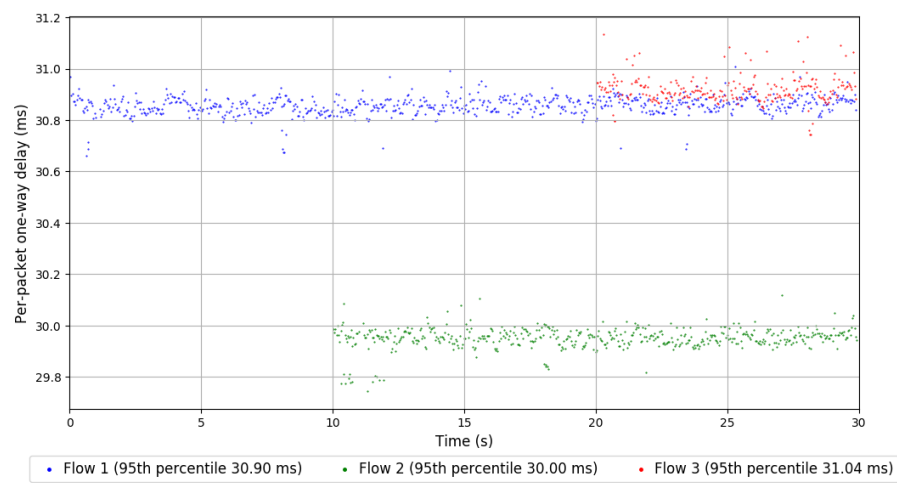
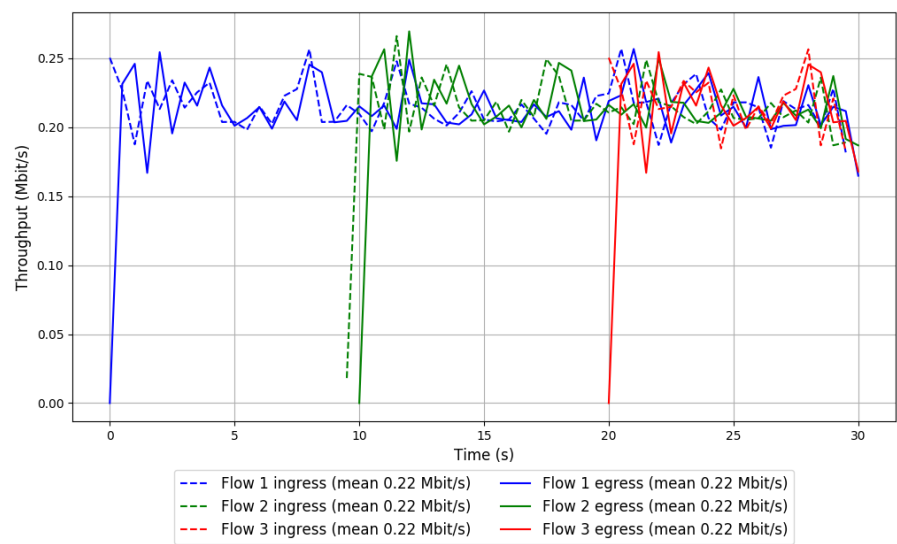


```
Run 2: Statistics of SReAM

Start at: 2018-05-22 16:01:18
End at: 2018-05-22 16:01:48
Local clock offset: 1.327 ms
Remote clock offset: -0.6 ms

# Below is generated by plot.py at 2018-05-22 19:18:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 30.937 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.903 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.002 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.036 ms
Loss rate: 0.71%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2018-05-22 16:22:41

End at: 2018-05-22 16:23:11

Local clock offset: 0.929 ms

Remote clock offset: 0.088 ms

Below is generated by plot.py at 2018-05-22 19:18:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 29.993 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 25.846 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 25.846 ms

Loss rate: 0.40%

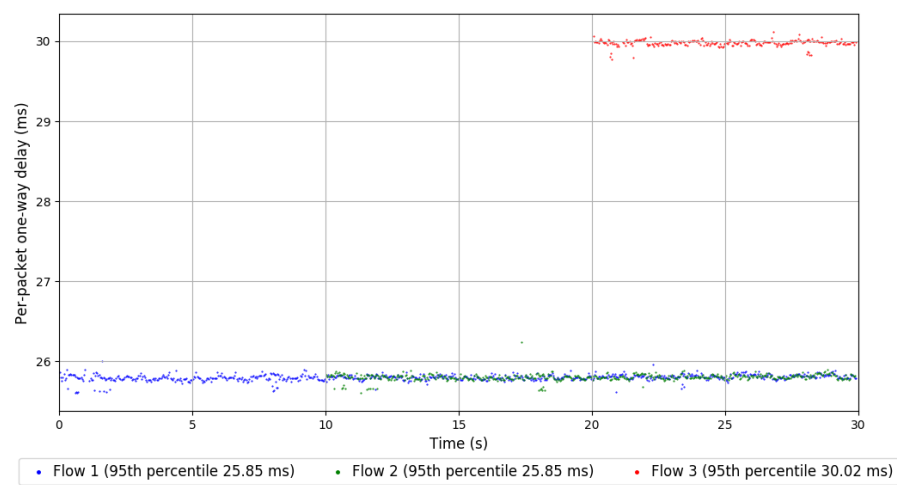
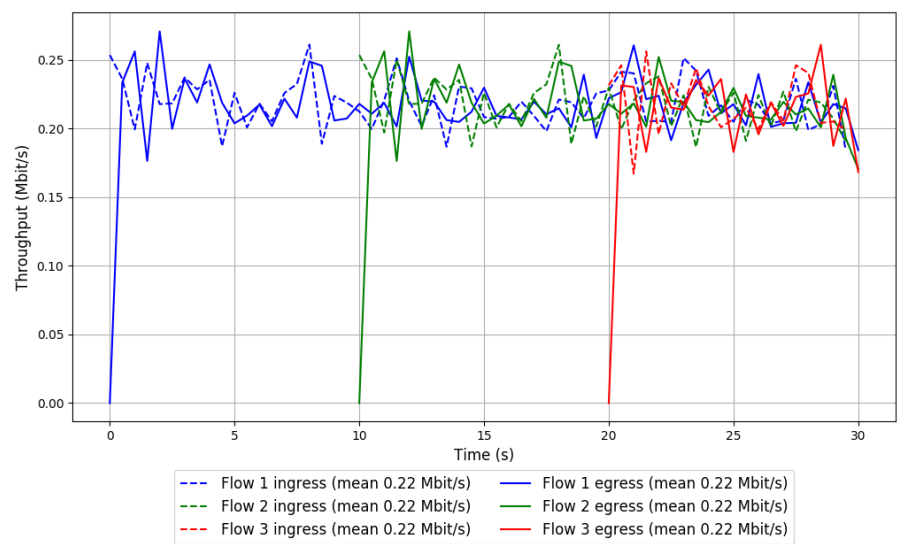
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 30.025 ms

Loss rate: 0.71%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-05-22 16:43:59

End at: 2018-05-22 16:44:29

Local clock offset: 1.178 ms

Remote clock offset: 0.778 ms

Below is generated by plot.py at 2018-05-22 19:18:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 30.621 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 29.945 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 26.493 ms

Loss rate: 0.39%

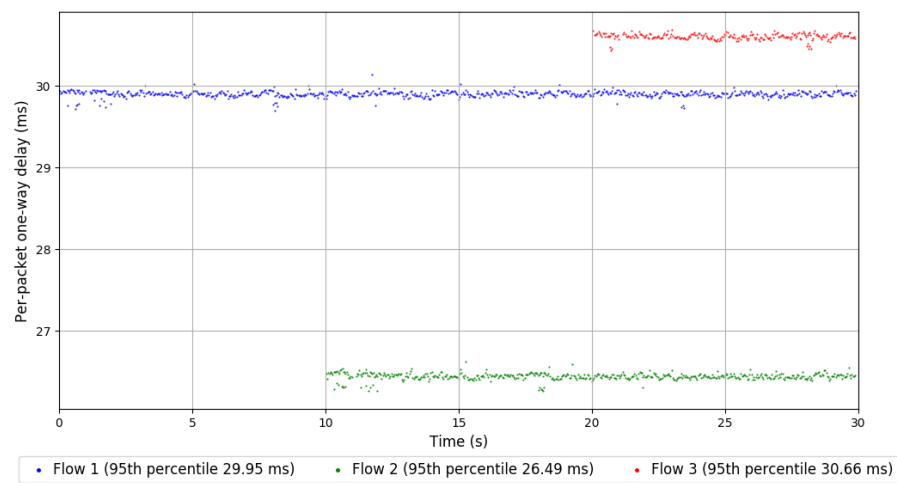
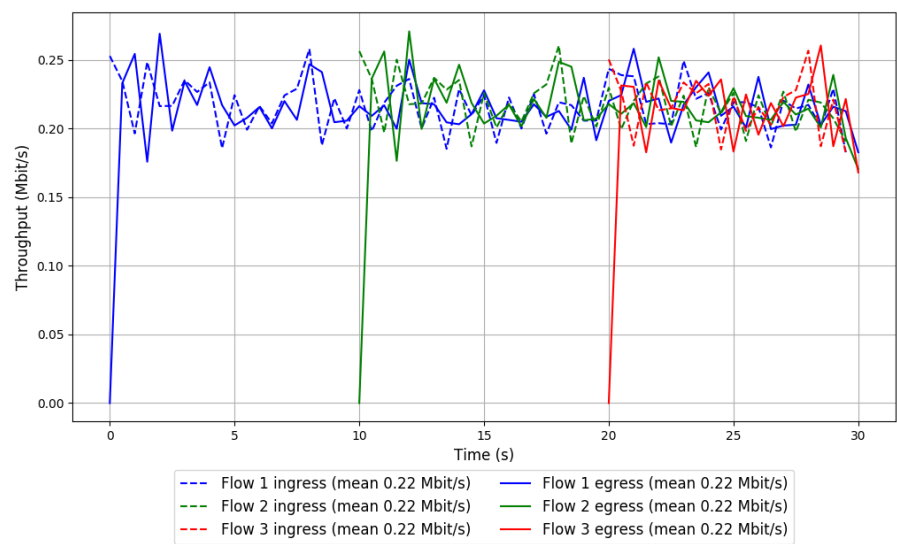
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 30.655 ms

Loss rate: 0.71%

Run 4: Report of SReAM — Data Link

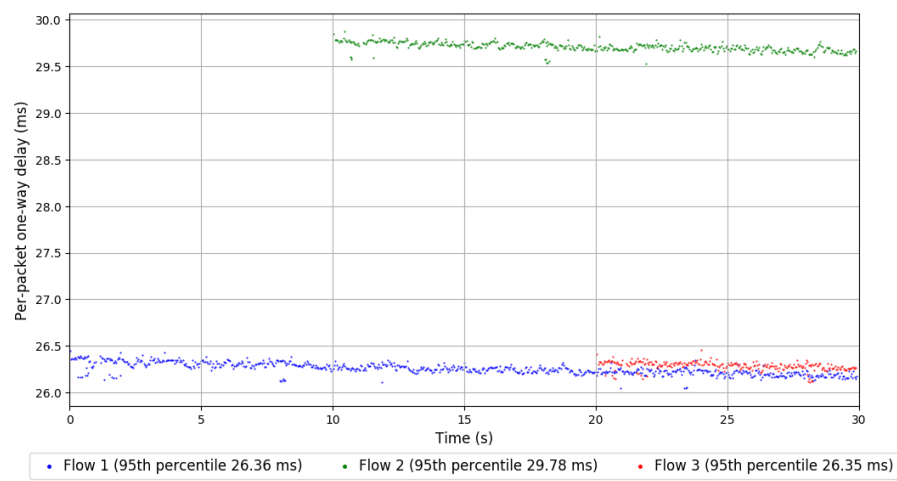
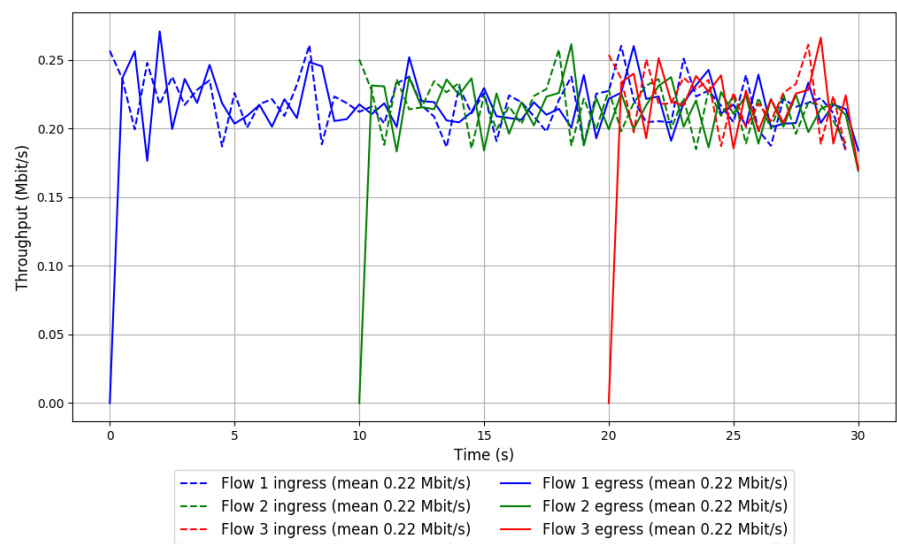


Run 5: Statistics of SReAM

Start at: 2018-05-22 17:05:34
End at: 2018-05-22 17:06:04
Local clock offset: 0.854 ms
Remote clock offset: -5.607 ms

Below is generated by plot.py at 2018-05-22 19:18:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 29.759 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.359 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.779 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.347 ms
Loss rate: 0.70%

Run 5: Report of SReAM — Data Link

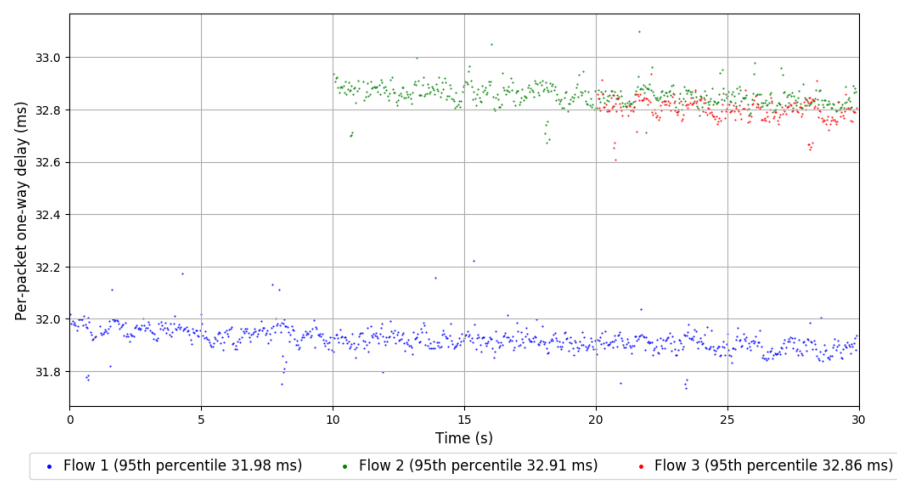
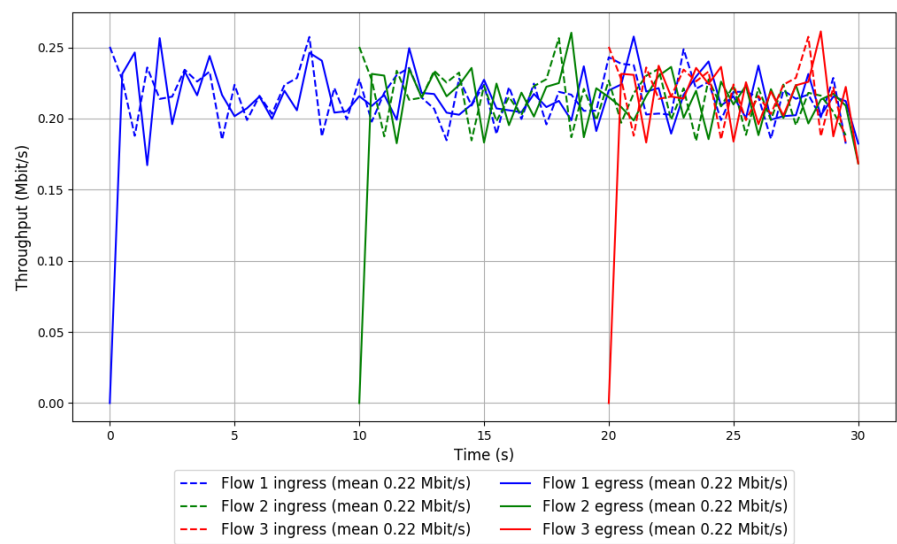


Run 6: Statistics of SReAM

Start at: 2018-05-22 17:26:53
End at: 2018-05-22 17:27:23
Local clock offset: 1.623 ms
Remote clock offset: -12.118 ms

Below is generated by plot.py at 2018-05-22 19:18:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 32.891 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.985 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 32.914 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 32.856 ms
Loss rate: 0.71%

Run 6: Report of SReAM — Data Link

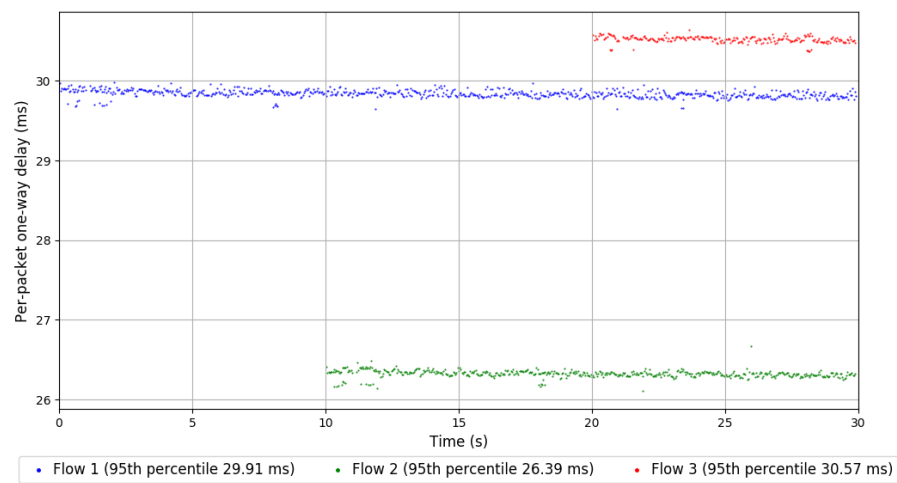
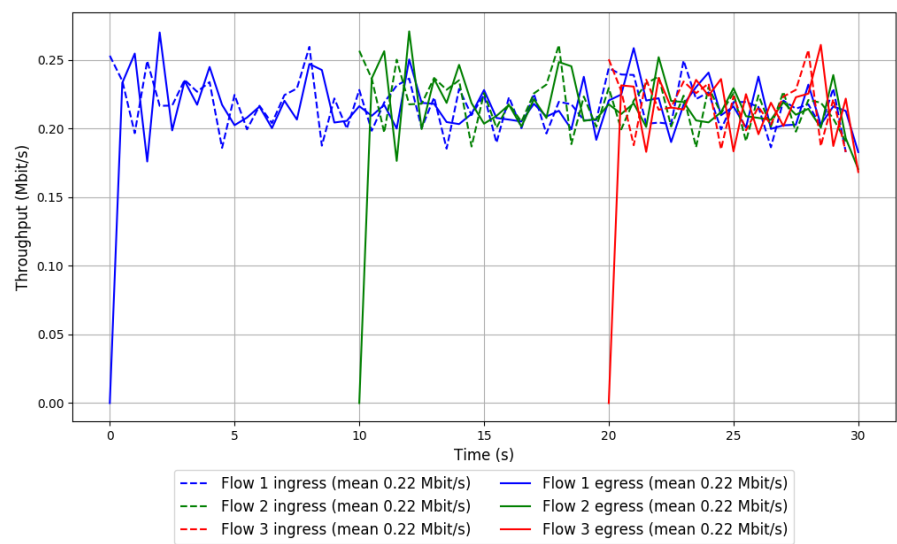


Run 7: Statistics of SReAM

Start at: 2018-05-22 17:48:22
End at: 2018-05-22 17:48:52
Local clock offset: 1.4 ms
Remote clock offset: -13.053 ms

Below is generated by plot.py at 2018-05-22 19:18:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 30.537 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.910 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.392 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.573 ms
Loss rate: 0.71%

Run 7: Report of SCReAM — Data Link

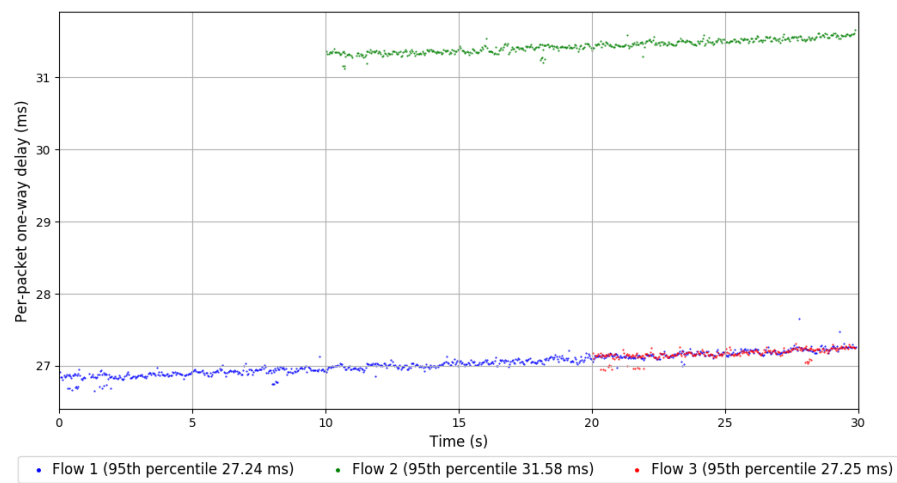
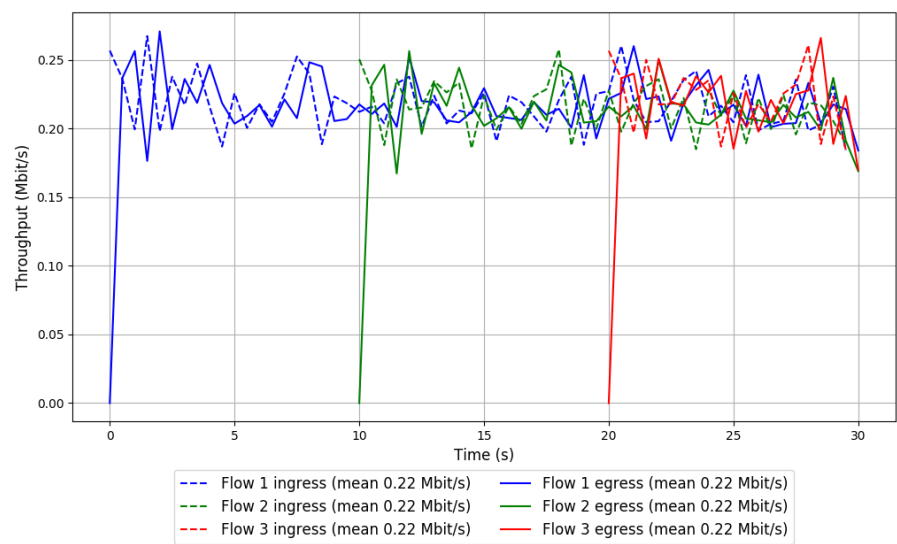


Run 8: Statistics of SReAM

Start at: 2018-05-22 18:09:38
End at: 2018-05-22 18:10:08
Local clock offset: 1.446 ms
Remote clock offset: -5.872 ms

Below is generated by plot.py at 2018-05-22 19:18:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 31.537 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.236 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.583 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.253 ms
Loss rate: 0.70%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-05-22 18:31:04

End at: 2018-05-22 18:31:34

Local clock offset: 1.06 ms

Remote clock offset: 3.949 ms

Below is generated by plot.py at 2018-05-22 19:18:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 31.314 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 29.561 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 29.550 ms

Loss rate: 0.40%

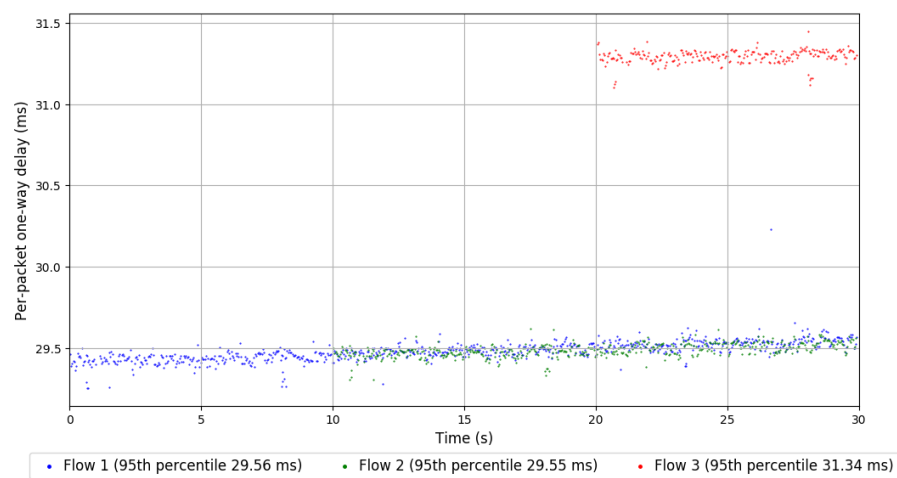
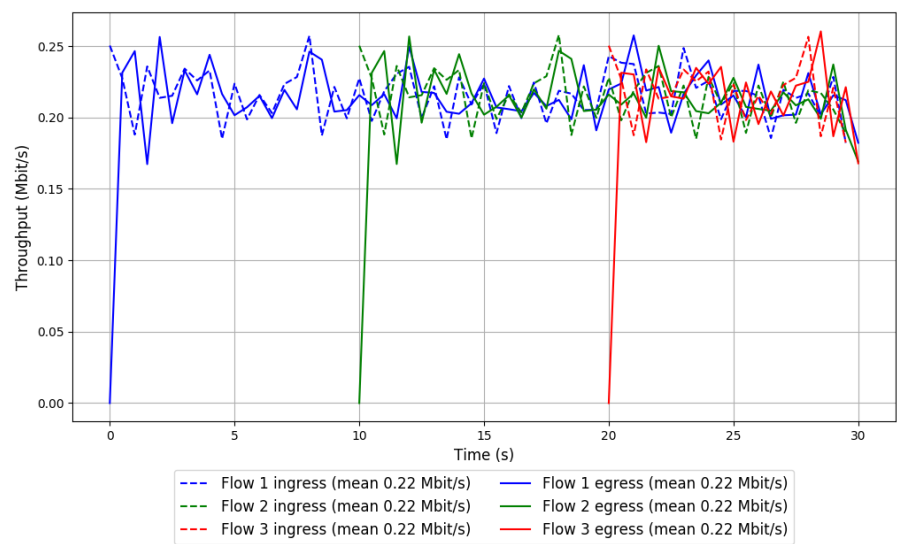
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 31.338 ms

Loss rate: 0.71%

Run 9: Report of SReAM — Data Link

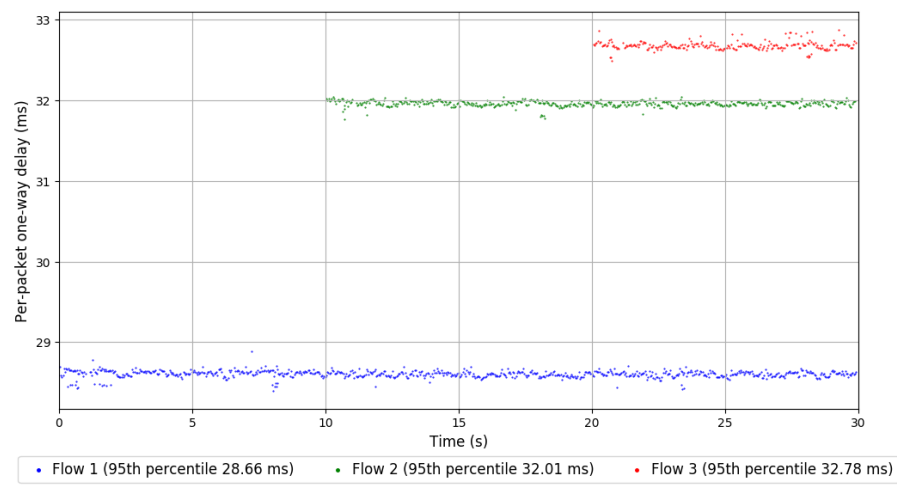
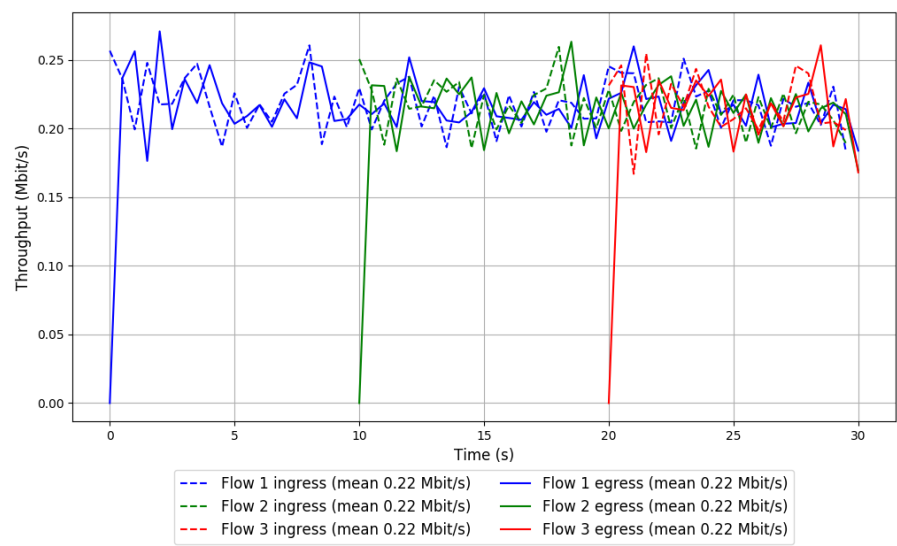


Run 10: Statistics of SCReAM

Start at: 2018-05-22 18:52:38
End at: 2018-05-22 18:53:08
Local clock offset: 0.68 ms
Remote clock offset: -0.853 ms

Below is generated by plot.py at 2018-05-22 19:18:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 32.696 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.665 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 32.012 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 32.778 ms
Loss rate: 0.71%

Run 10: Report of SReAM — Data Link

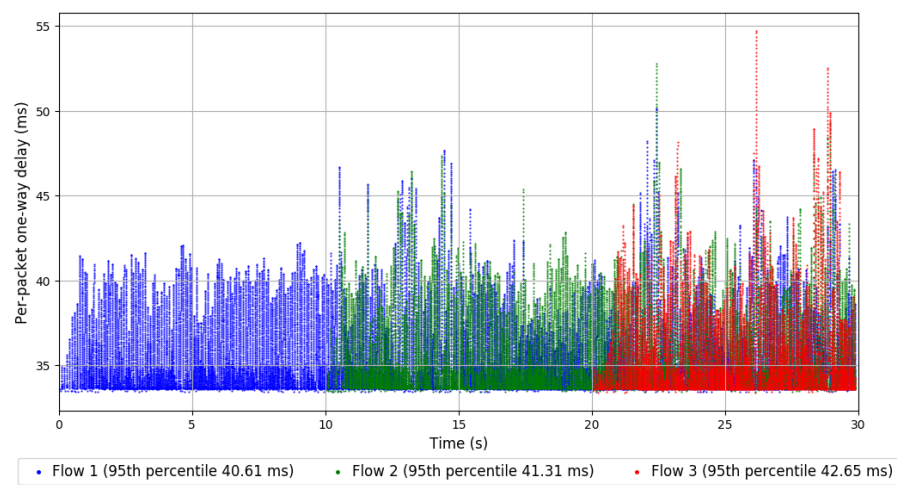
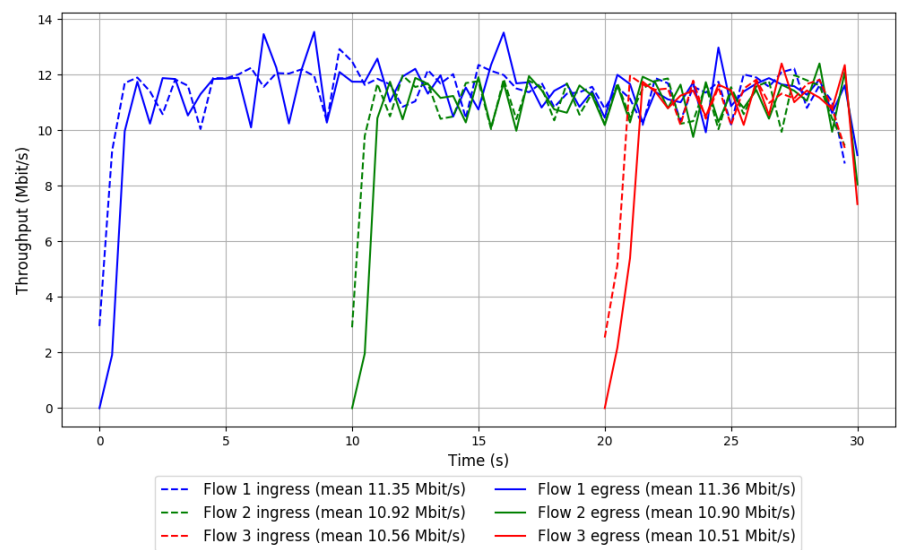


Run 1: Statistics of Sprout

Start at: 2018-05-22 15:34:46
End at: 2018-05-22 15:35:16
Local clock offset: 1.21 ms
Remote clock offset: -2.928 ms

Below is generated by plot.py at 2018-05-22 19:18:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 22.07 Mbit/s
95th percentile per-packet one-way delay: 41.139 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 11.36 Mbit/s
95th percentile per-packet one-way delay: 40.612 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 10.90 Mbit/s
95th percentile per-packet one-way delay: 41.308 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 10.51 Mbit/s
95th percentile per-packet one-way delay: 42.651 ms
Loss rate: 0.97%

Run 1: Report of Sprout — Data Link

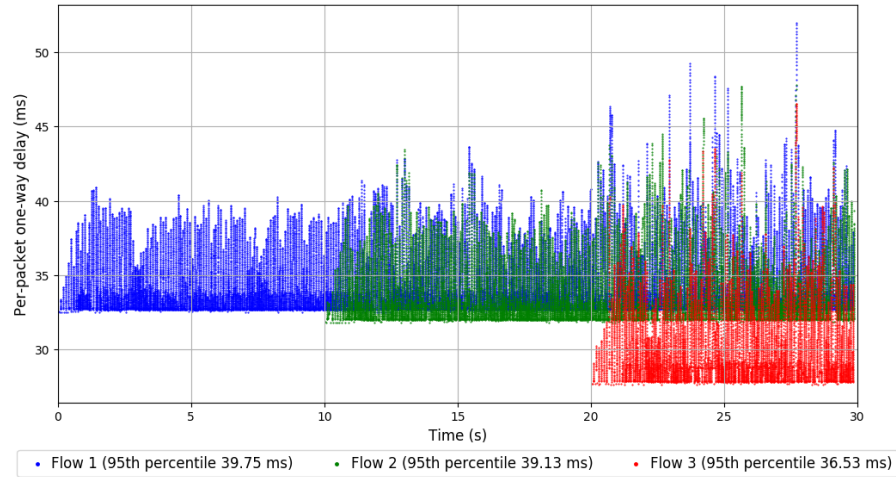
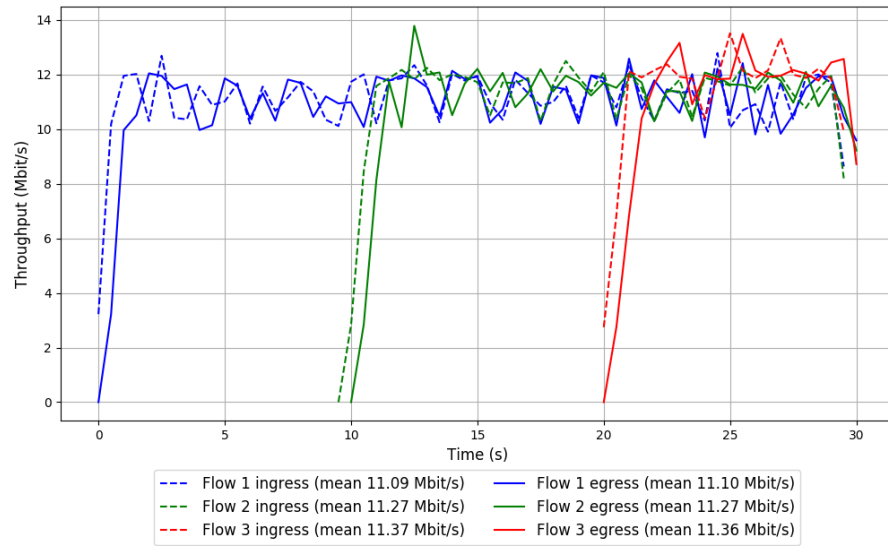


Run 2: Statistics of Sprout

Start at: 2018-05-22 15:56:01
End at: 2018-05-22 15:56:31
Local clock offset: 1.548 ms
Remote clock offset: -2.752 ms

Below is generated by plot.py at 2018-05-22 19:18:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 22.32 Mbit/s
95th percentile per-packet one-way delay: 39.337 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 11.10 Mbit/s
95th percentile per-packet one-way delay: 39.749 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 11.27 Mbit/s
95th percentile per-packet one-way delay: 39.132 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 11.36 Mbit/s
95th percentile per-packet one-way delay: 36.526 ms
Loss rate: 0.88%

Run 2: Report of Sprout — Data Link

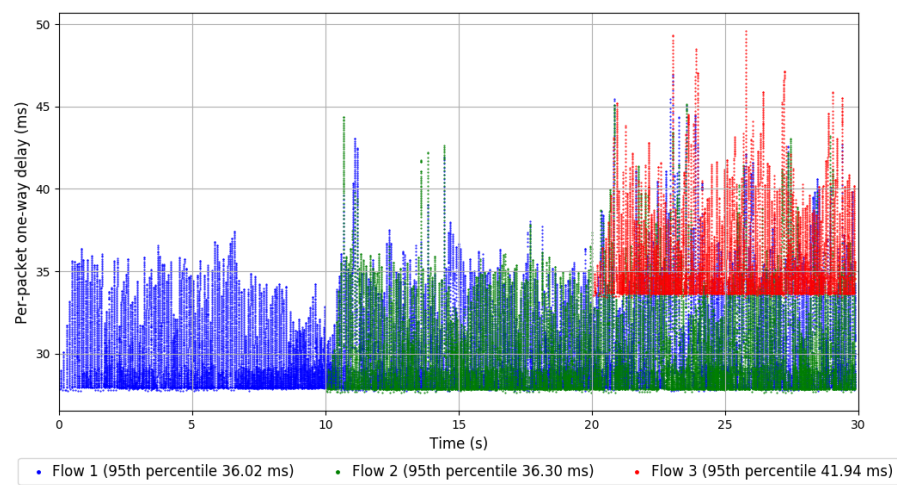
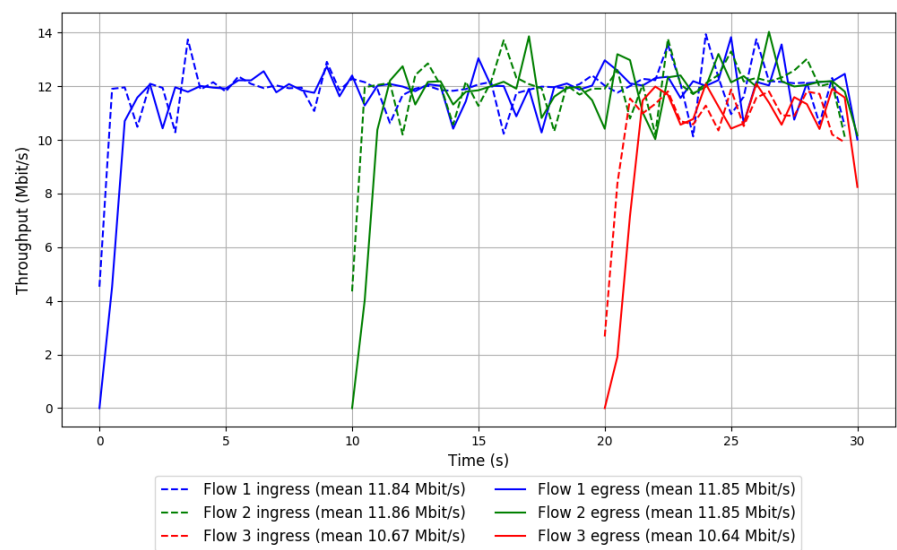


Run 3: Statistics of Sprout

Start at: 2018-05-22 16:17:22
End at: 2018-05-22 16:17:52
Local clock offset: 0.973 ms
Remote clock offset: -2.199 ms

Below is generated by plot.py at 2018-05-22 19:18:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.22 Mbit/s
95th percentile per-packet one-way delay: 38.460 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 11.85 Mbit/s
95th percentile per-packet one-way delay: 36.017 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 11.85 Mbit/s
95th percentile per-packet one-way delay: 36.300 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 10.64 Mbit/s
95th percentile per-packet one-way delay: 41.938 ms
Loss rate: 0.85%

Run 3: Report of Sprout — Data Link

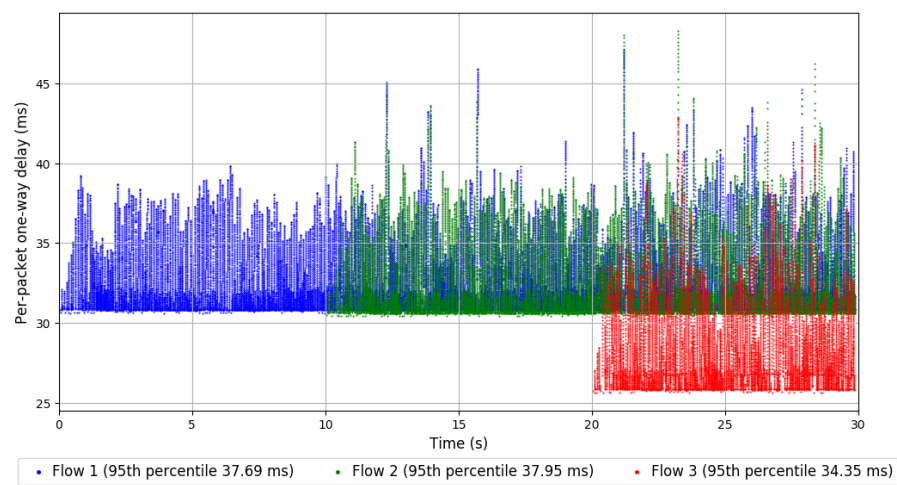
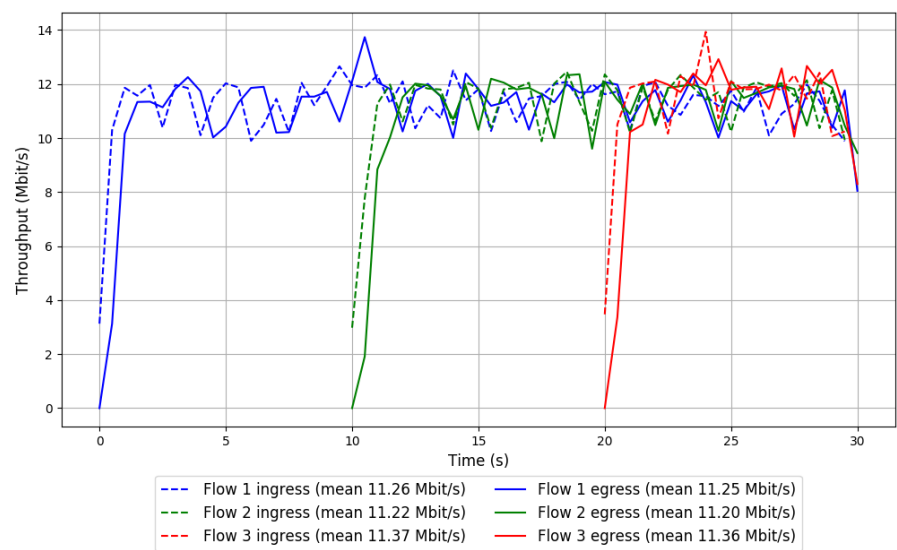


Run 4: Statistics of Sprout

Start at: 2018-05-22 16:38:41
End at: 2018-05-22 16:39:11
Local clock offset: 1.136 ms
Remote clock offset: 0.667 ms

```
# Below is generated by plot.py at 2018-05-22 19:18:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.43 Mbit/s
95th percentile per-packet one-way delay: 37.602 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 11.25 Mbit/s
95th percentile per-packet one-way delay: 37.687 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 11.20 Mbit/s
95th percentile per-packet one-way delay: 37.947 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 11.36 Mbit/s
95th percentile per-packet one-way delay: 34.351 ms
Loss rate: 0.86%
```

Run 4: Report of Sprout — Data Link

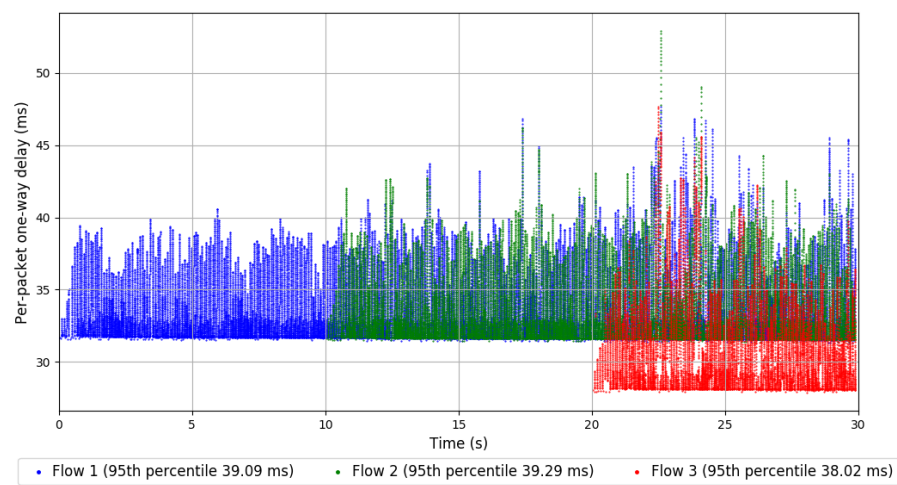
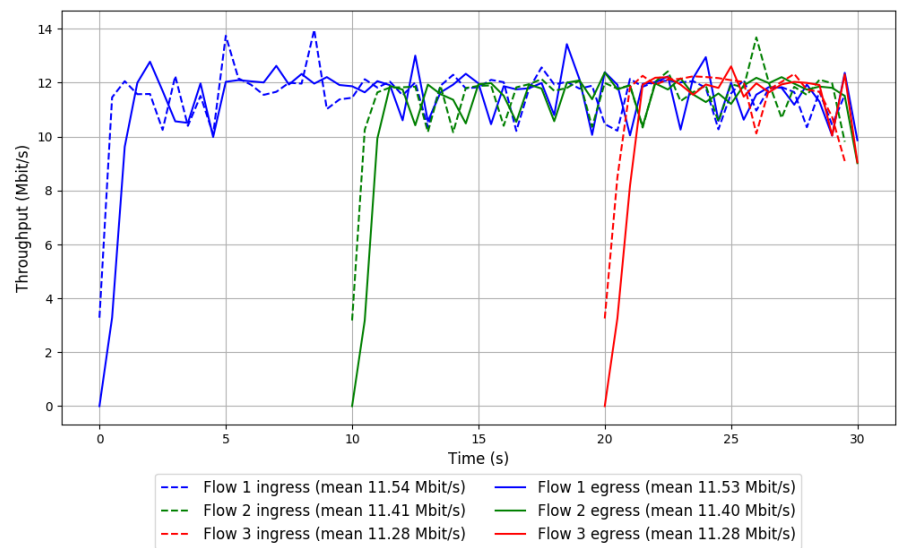


Run 5: Statistics of Sprout

Start at: 2018-05-22 17:00:09
End at: 2018-05-22 17:00:39
Local clock offset: 1.096 ms
Remote clock offset: -5.267 ms

```
# Below is generated by plot.py at 2018-05-22 19:18:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.82 Mbit/s
95th percentile per-packet one-way delay: 39.090 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 11.53 Mbit/s
95th percentile per-packet one-way delay: 39.089 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 11.40 Mbit/s
95th percentile per-packet one-way delay: 39.291 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 11.28 Mbit/s
95th percentile per-packet one-way delay: 38.025 ms
Loss rate: 0.11%
```


Run 5: Report of Sprout — Data Link

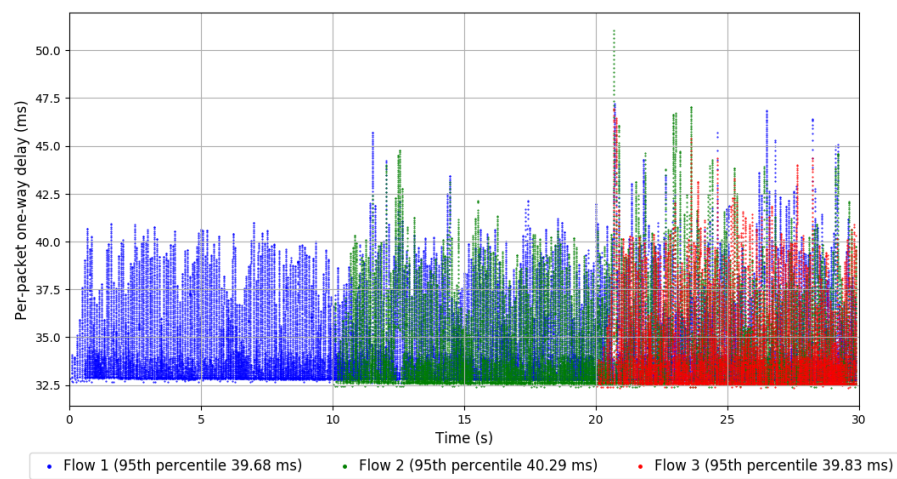
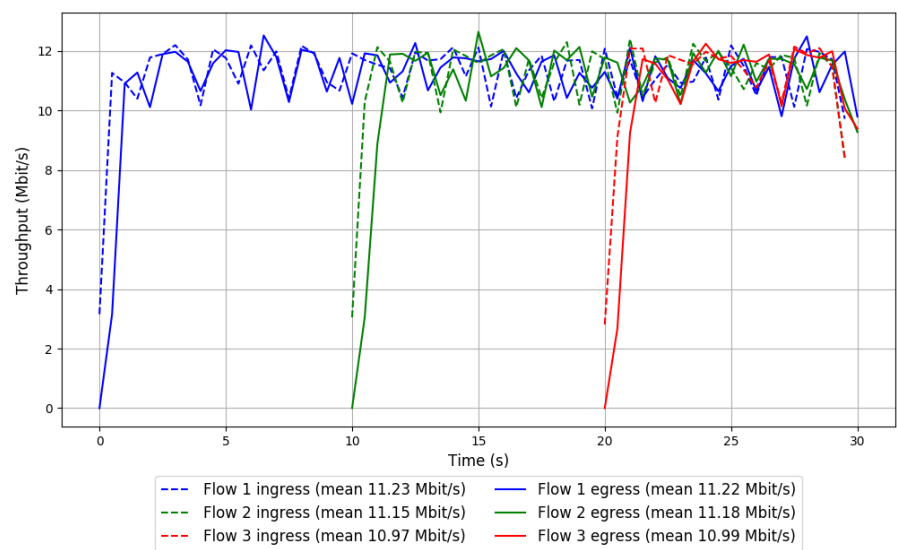


Run 6: Statistics of Sprout

Start at: 2018-05-22 17:21:35
End at: 2018-05-22 17:22:05
Local clock offset: 1.49 ms
Remote clock offset: -11.267 ms

```
# Below is generated by plot.py at 2018-05-22 19:18:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.27 Mbit/s
95th percentile per-packet one-way delay: 39.873 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 11.22 Mbit/s
95th percentile per-packet one-way delay: 39.679 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 11.18 Mbit/s
95th percentile per-packet one-way delay: 40.293 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 10.99 Mbit/s
95th percentile per-packet one-way delay: 39.829 ms
Loss rate: 0.44%
```

Run 6: Report of Sprout — Data Link

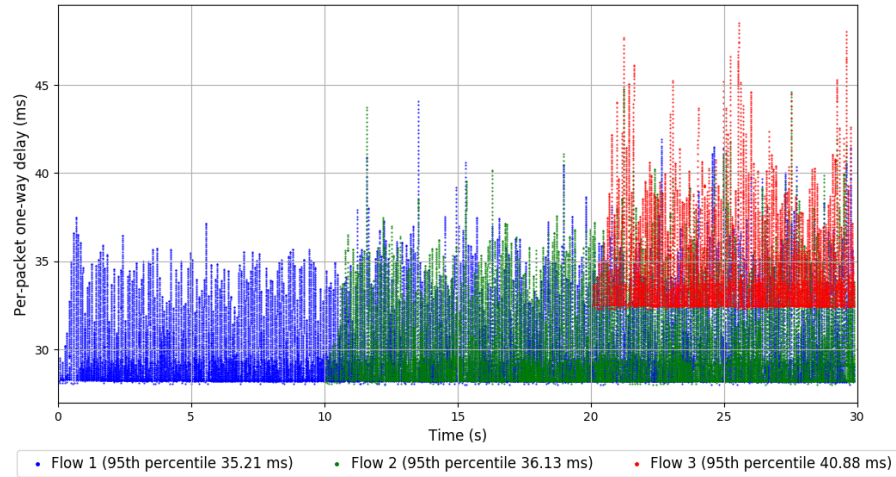
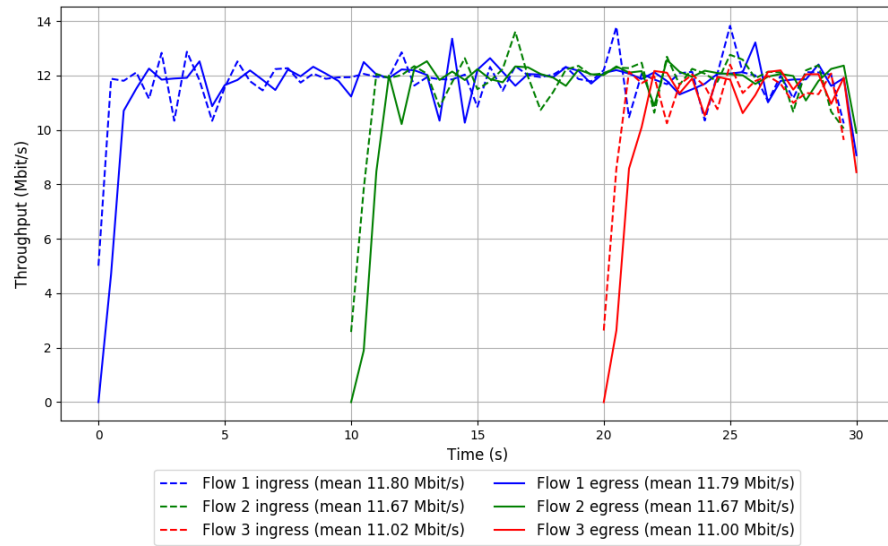


Run 7: Statistics of Sprout

Start at: 2018-05-22 17:43:05
End at: 2018-05-22 17:43:35
Local clock offset: 1.338 ms
Remote clock offset: -14.362 ms

```
# Below is generated by plot.py at 2018-05-22 19:18:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.17 Mbit/s
95th percentile per-packet one-way delay: 37.303 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 11.79 Mbit/s
95th percentile per-packet one-way delay: 35.210 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 11.67 Mbit/s
95th percentile per-packet one-way delay: 36.127 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 11.00 Mbit/s
95th percentile per-packet one-way delay: 40.885 ms
Loss rate: 0.78%
```

Run 7: Report of Sprout — Data Link

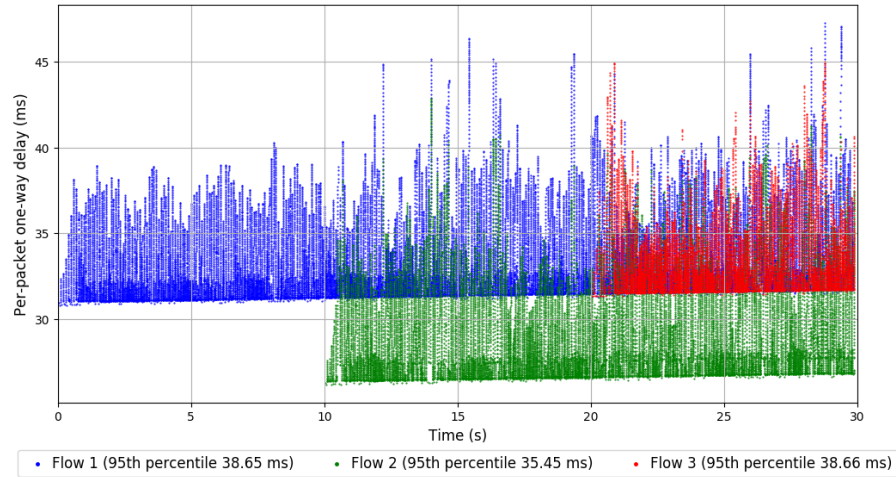
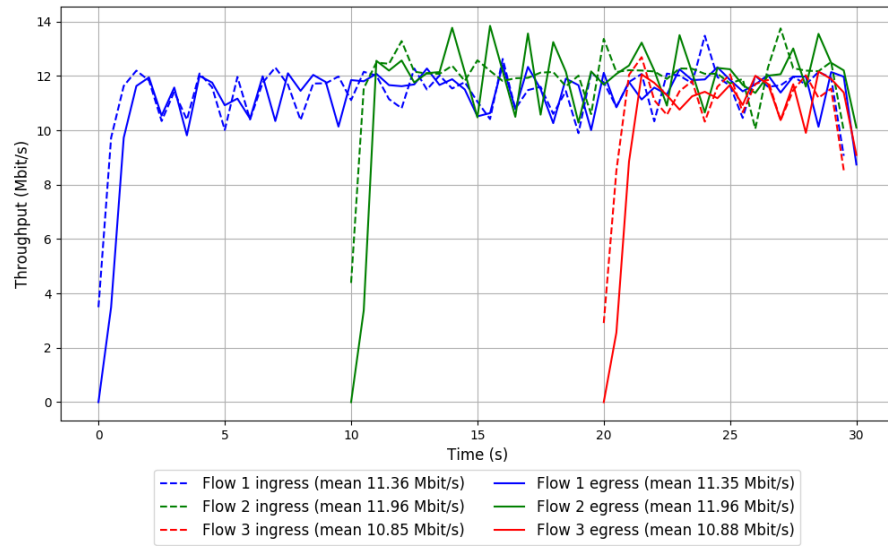


Run 8: Statistics of Sprout

Start at: 2018-05-22 18:04:21
End at: 2018-05-22 18:04:51
Local clock offset: 1.376 ms
Remote clock offset: -12.234 ms

Below is generated by plot.py at 2018-05-22 19:18:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 22.88 Mbit/s
95th percentile per-packet one-way delay: 38.084 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 11.35 Mbit/s
95th percentile per-packet one-way delay: 38.646 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 11.96 Mbit/s
95th percentile per-packet one-way delay: 35.446 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 10.88 Mbit/s
95th percentile per-packet one-way delay: 38.655 ms
Loss rate: 0.22%

Run 8: Report of Sprout — Data Link

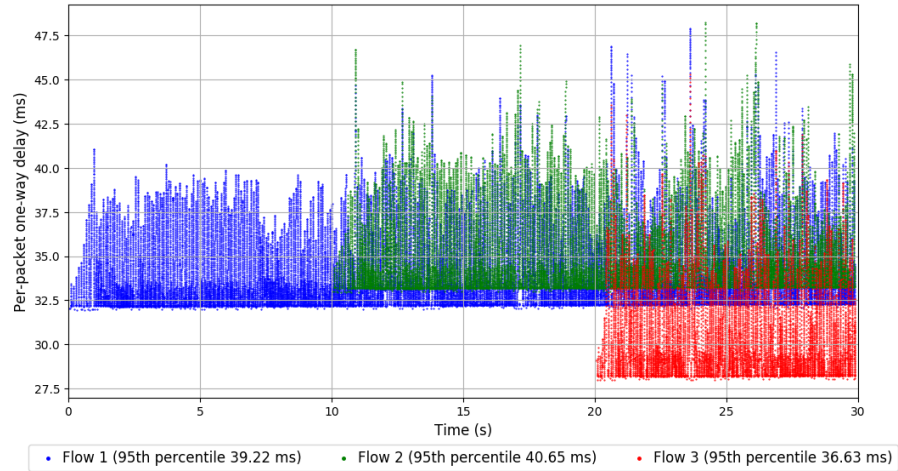
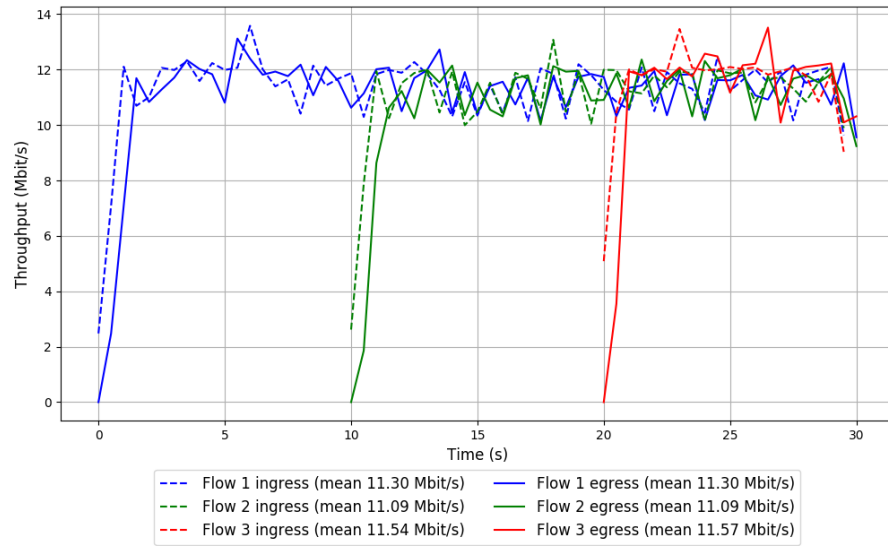


Run 9: Statistics of Sprout

Start at: 2018-05-22 18:25:47
End at: 2018-05-22 18:26:17
Local clock offset: 1.431 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-05-22 19:18:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 22.47 Mbit/s
95th percentile per-packet one-way delay: 39.685 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 11.30 Mbit/s
95th percentile per-packet one-way delay: 39.215 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 11.09 Mbit/s
95th percentile per-packet one-way delay: 40.646 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 11.57 Mbit/s
95th percentile per-packet one-way delay: 36.633 ms
Loss rate: 0.21%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-05-22 18:47:20

End at: 2018-05-22 18:47:50

Local clock offset: 0.645 ms

Remote clock offset: 1.498 ms

Below is generated by plot.py at 2018-05-22 19:18:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 22.42 Mbit/s

95th percentile per-packet one-way delay: 37.992 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 11.33 Mbit/s

95th percentile per-packet one-way delay: 37.980 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 11.26 Mbit/s

95th percentile per-packet one-way delay: 37.192 ms

Loss rate: 0.40%

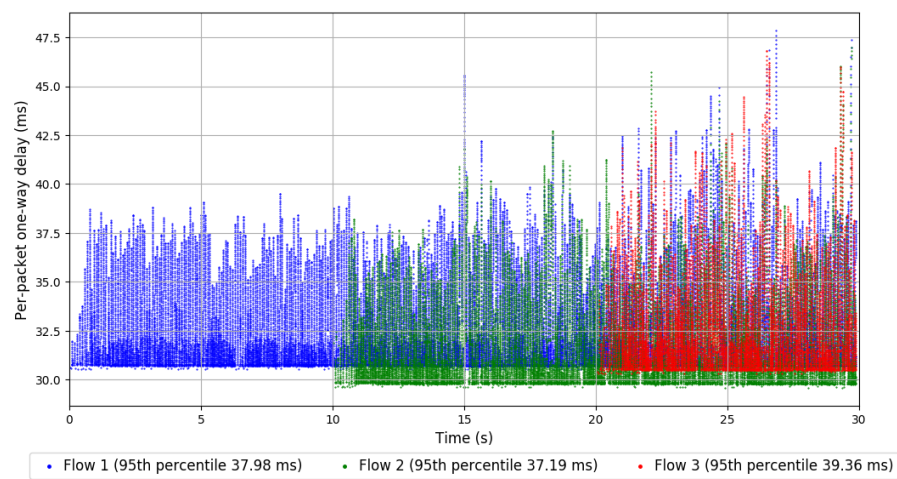
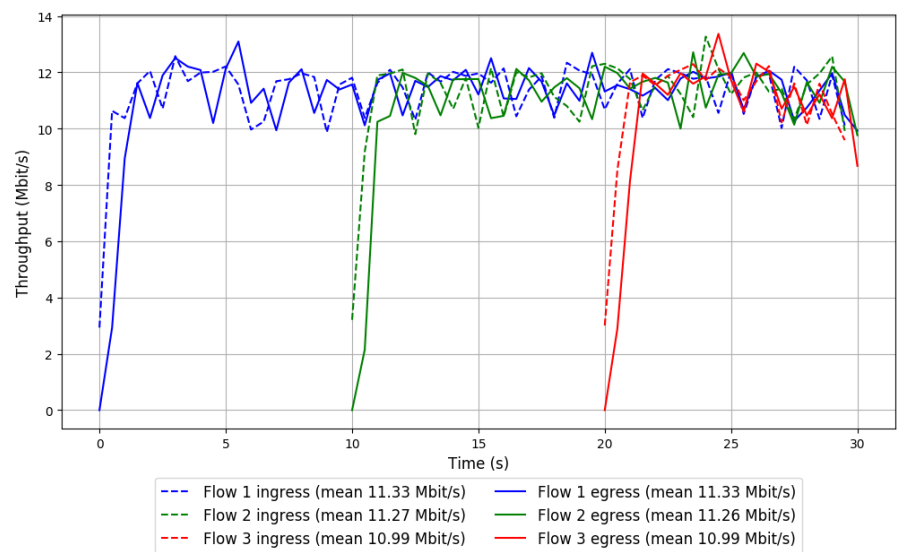
-- Flow 3:

Average throughput: 10.99 Mbit/s

95th percentile per-packet one-way delay: 39.358 ms

Loss rate: 0.57%

Run 10: Report of Sprout — Data Link

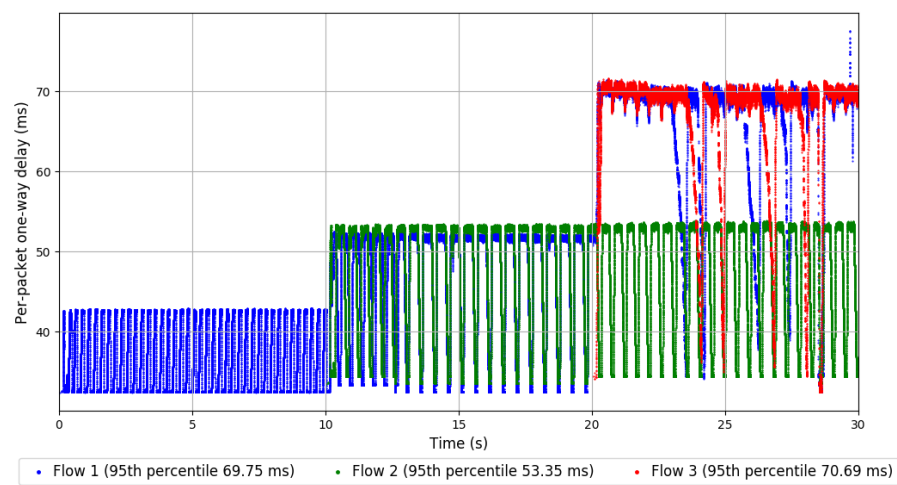
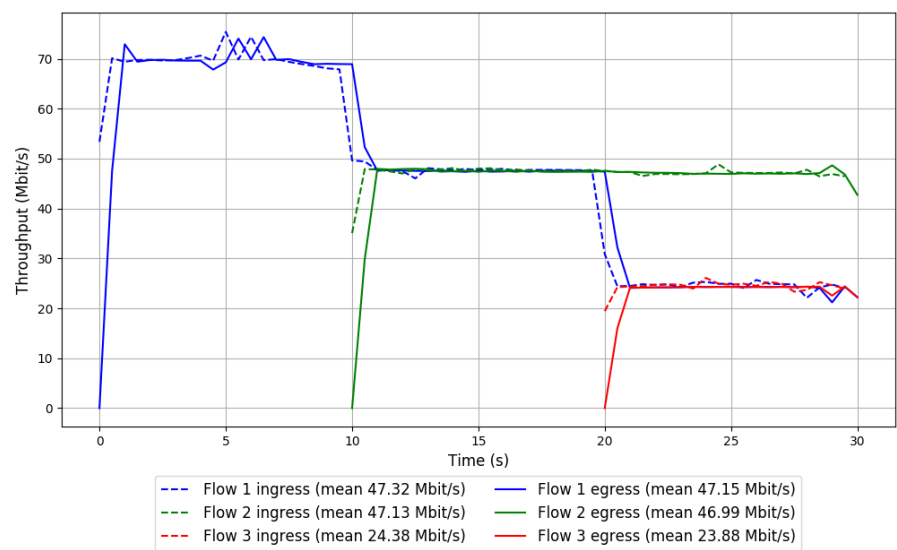


Run 1: Statistics of TaoVA-100x

Start at: 2018-05-22 15:37:23
End at: 2018-05-22 15:37:53
Local clock offset: 1.184 ms
Remote clock offset: -2.858 ms

Below is generated by plot.py at 2018-05-22 19:19:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.34 Mbit/s
95th percentile per-packet one-way delay: 69.894 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 47.15 Mbit/s
95th percentile per-packet one-way delay: 69.753 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 46.99 Mbit/s
95th percentile per-packet one-way delay: 53.350 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 23.88 Mbit/s
95th percentile per-packet one-way delay: 70.691 ms
Loss rate: 2.82%

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

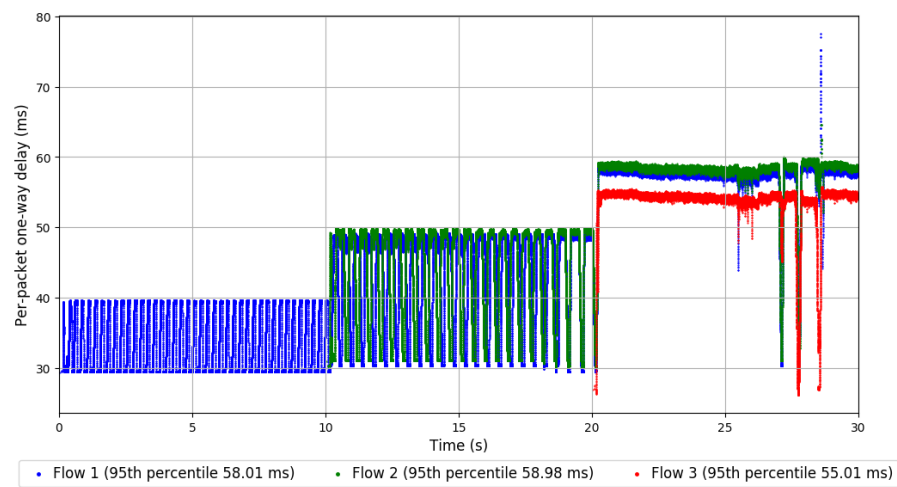
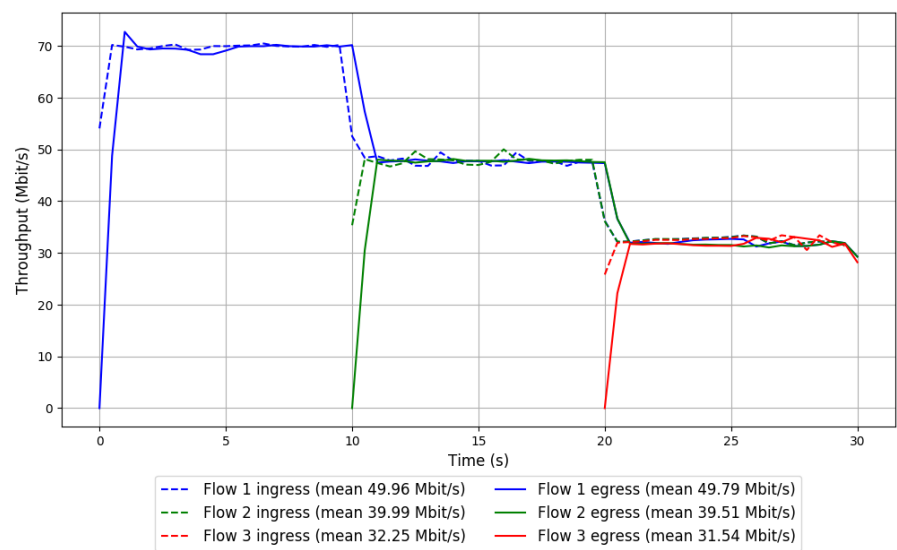


Run 2: Statistics of TaoVA-100x

Start at: 2018-05-22 15:58:38
End at: 2018-05-22 15:59:08
Local clock offset: 1.429 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-05-22 19:19:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.54 Mbit/s
95th percentile per-packet one-way delay: 58.575 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 49.79 Mbit/s
95th percentile per-packet one-way delay: 58.006 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 39.51 Mbit/s
95th percentile per-packet one-way delay: 58.982 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 31.54 Mbit/s
95th percentile per-packet one-way delay: 55.005 ms
Loss rate: 2.76%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-05-22 16:20:00

End at: 2018-05-22 16:20:30

Local clock offset: 0.953 ms

Remote clock offset: 0.427 ms

Below is generated by plot.py at 2018-05-22 19:19:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.33 Mbit/s

95th percentile per-packet one-way delay: 58.568 ms

Loss rate: 1.60%

-- Flow 1:

Average throughput: 49.39 Mbit/s

95th percentile per-packet one-way delay: 58.897 ms

Loss rate: 1.29%

-- Flow 2:

Average throughput: 39.45 Mbit/s

95th percentile per-packet one-way delay: 54.826 ms

Loss rate: 2.06%

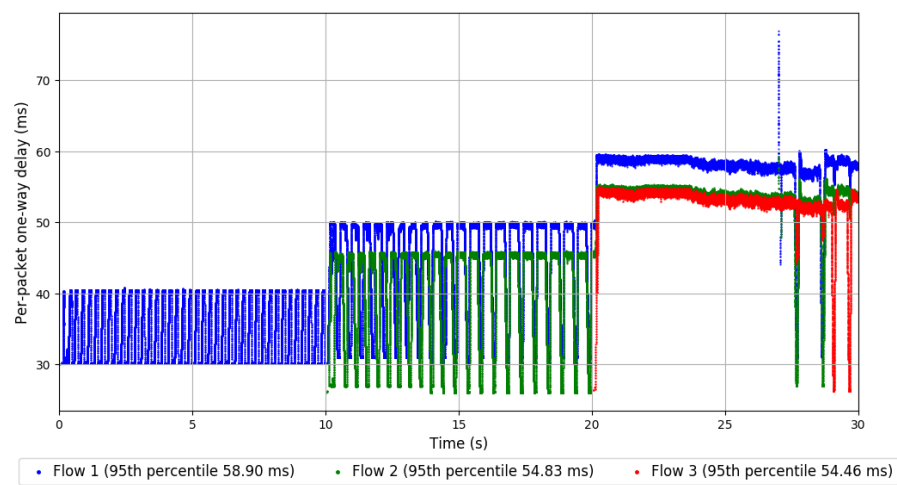
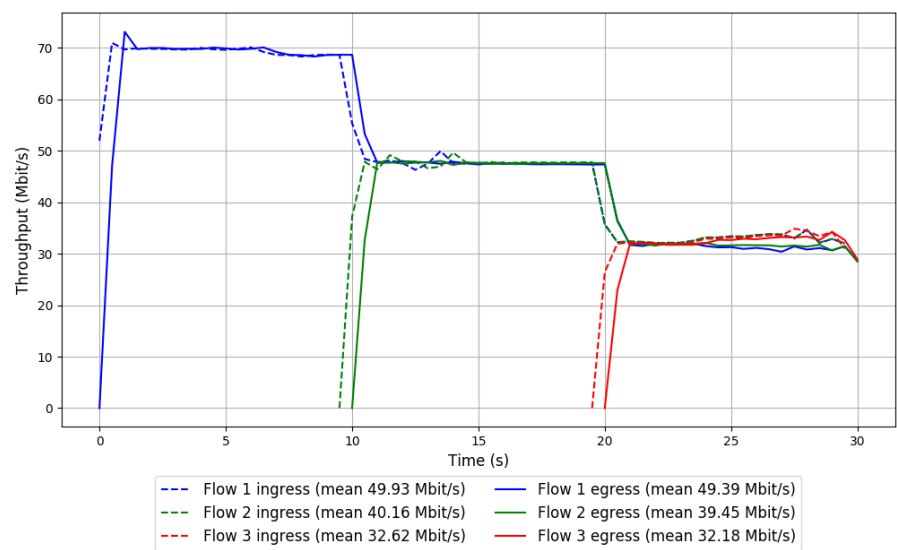
-- Flow 3:

Average throughput: 32.18 Mbit/s

95th percentile per-packet one-way delay: 54.456 ms

Loss rate: 1.92%

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

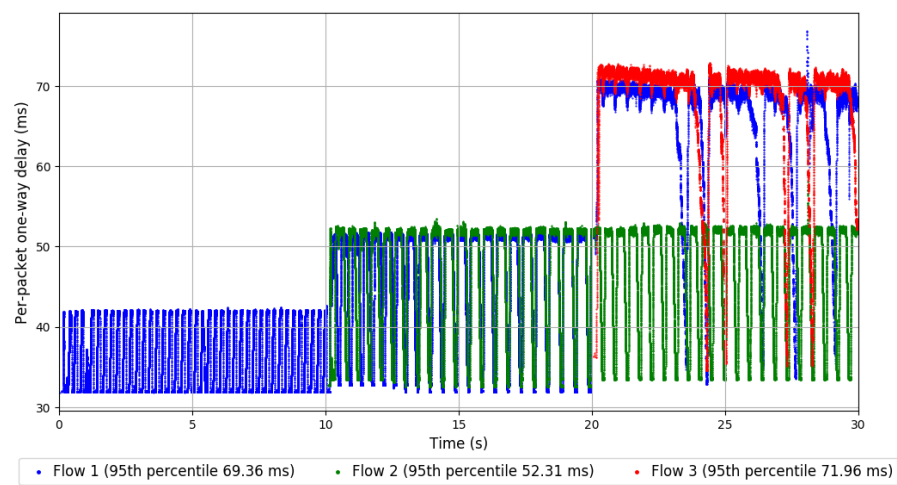
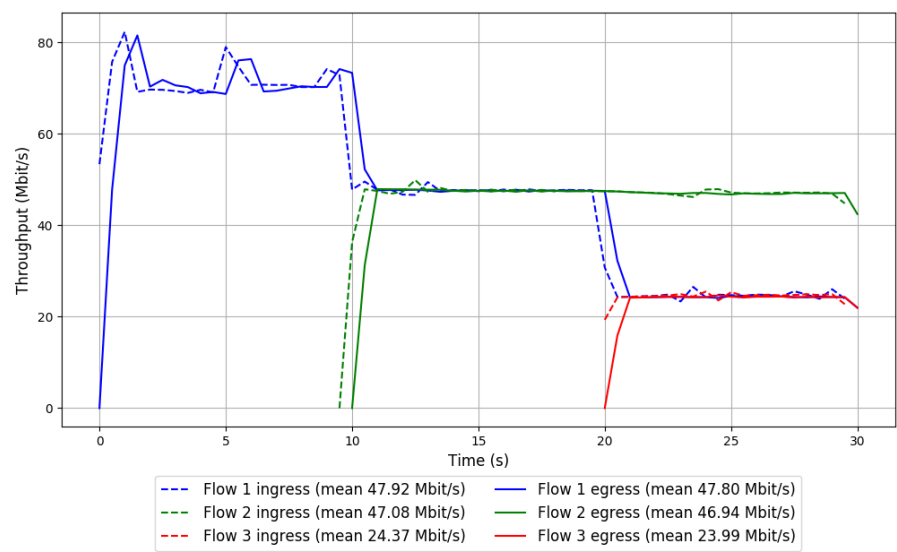


Run 4: Statistics of TaoVA-100x

Start at: 2018-05-22 16:41:19
End at: 2018-05-22 16:41:49
Local clock offset: 1.086 ms
Remote clock offset: -1.361 ms

Below is generated by plot.py at 2018-05-22 19:19:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.00 Mbit/s
95th percentile per-packet one-way delay: 70.667 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 47.80 Mbit/s
95th percentile per-packet one-way delay: 69.365 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 46.94 Mbit/s
95th percentile per-packet one-way delay: 52.310 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 23.99 Mbit/s
95th percentile per-packet one-way delay: 71.961 ms
Loss rate: 2.17%

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

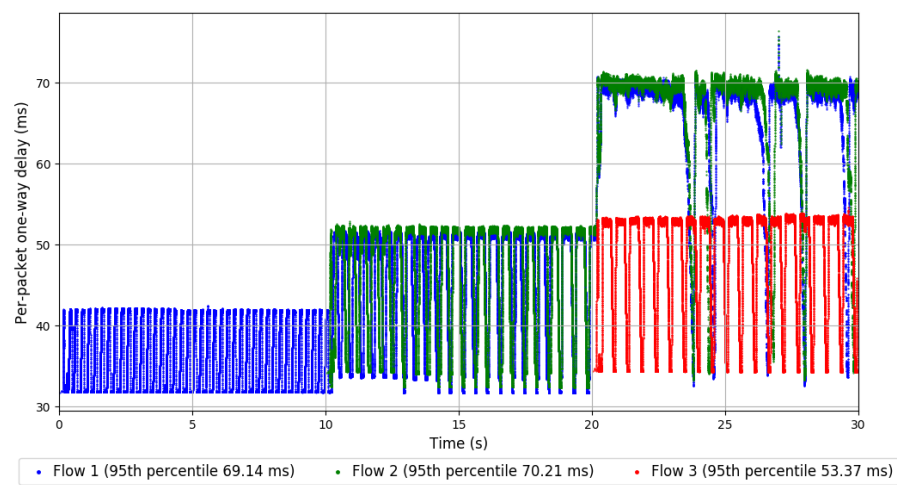
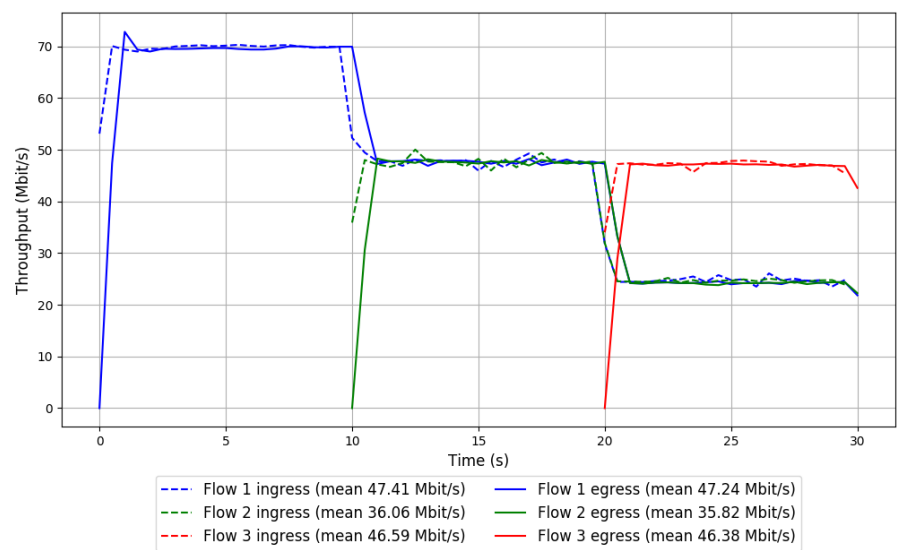


Run 5: Statistics of TaoVA-100x

Start at: 2018-05-22 17:02:51
End at: 2018-05-22 17:03:21
Local clock offset: 1.02 ms
Remote clock offset: -6.584 ms

Below is generated by plot.py at 2018-05-22 19:19:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.44 Mbit/s
95th percentile per-packet one-way delay: 69.597 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 47.24 Mbit/s
95th percentile per-packet one-way delay: 69.142 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 35.82 Mbit/s
95th percentile per-packet one-way delay: 70.208 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 46.38 Mbit/s
95th percentile per-packet one-way delay: 53.367 ms
Loss rate: 1.18%

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

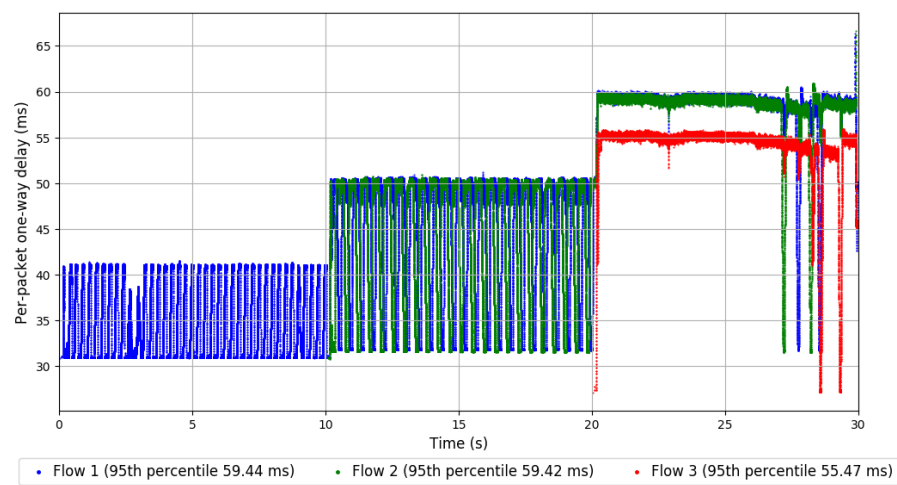
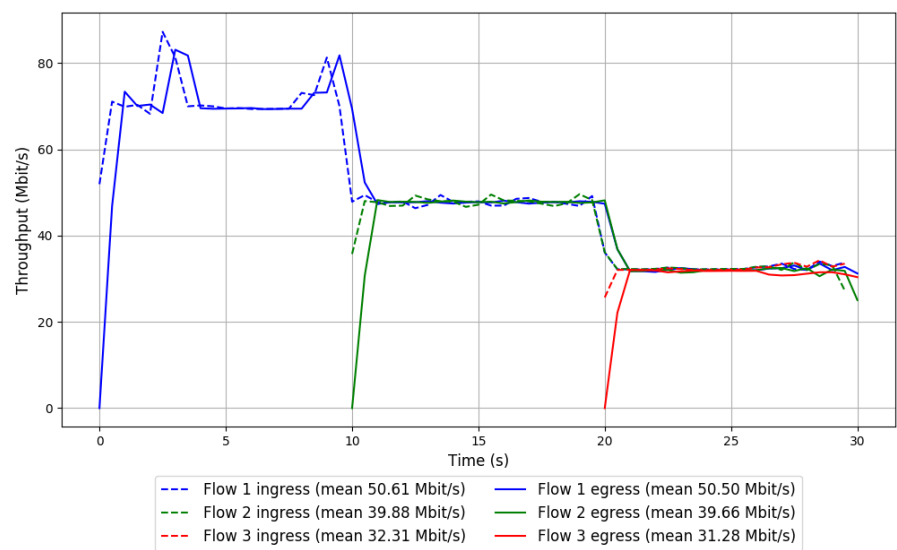


Run 6: Statistics of TaoVA-100x

Start at: 2018-05-22 17:24:13
End at: 2018-05-22 17:24:43
Local clock offset: 1.6 ms
Remote clock offset: -9.619 ms

Below is generated by plot.py at 2018-05-22 19:19:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.19 Mbit/s
95th percentile per-packet one-way delay: 59.404 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 50.50 Mbit/s
95th percentile per-packet one-way delay: 59.438 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 39.66 Mbit/s
95th percentile per-packet one-way delay: 59.423 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 31.28 Mbit/s
95th percentile per-packet one-way delay: 55.465 ms
Loss rate: 3.75%

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

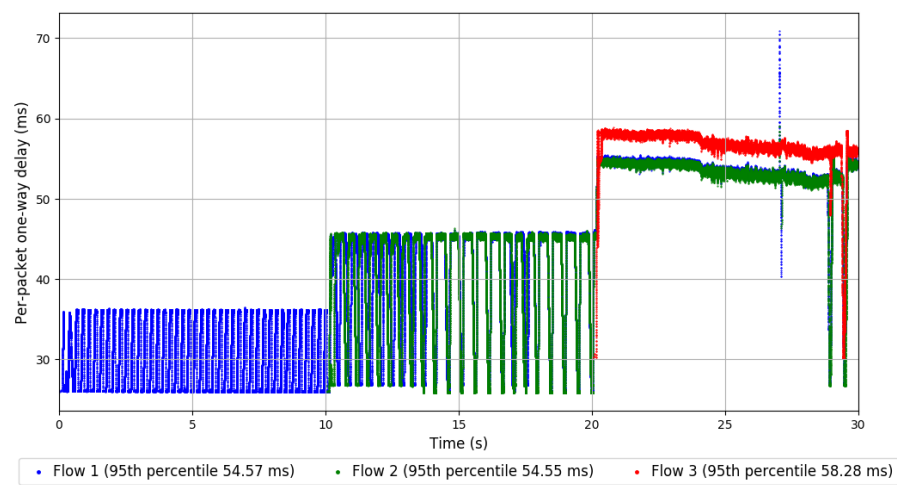
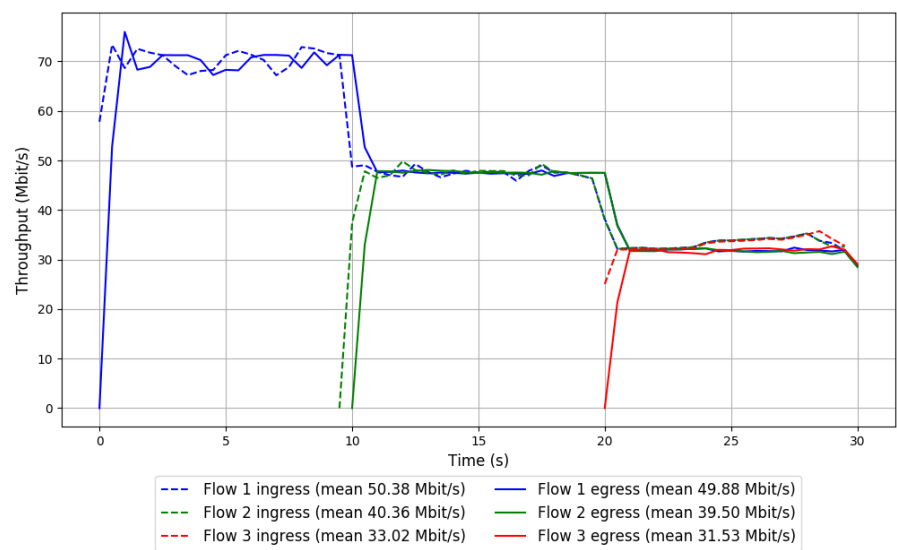


Run 7: Statistics of TaoVA-100x

Start at: 2018-05-22 17:45:42
End at: 2018-05-22 17:46:12
Local clock offset: 1.333 ms
Remote clock offset: -12.272 ms

Below is generated by plot.py at 2018-05-22 19:19:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.62 Mbit/s
95th percentile per-packet one-way delay: 57.103 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 49.88 Mbit/s
95th percentile per-packet one-way delay: 54.572 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 39.50 Mbit/s
95th percentile per-packet one-way delay: 54.549 ms
Loss rate: 2.41%
-- Flow 3:
Average throughput: 31.53 Mbit/s
95th percentile per-packet one-way delay: 58.284 ms
Loss rate: 5.08%

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

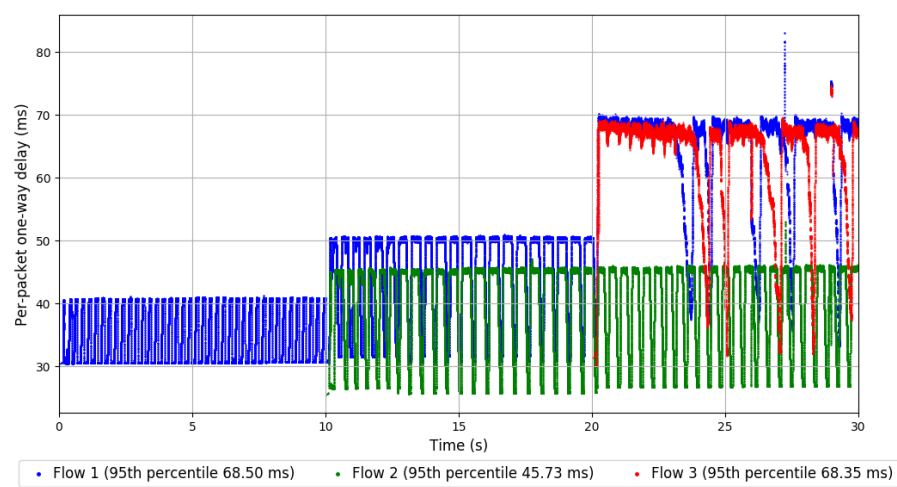
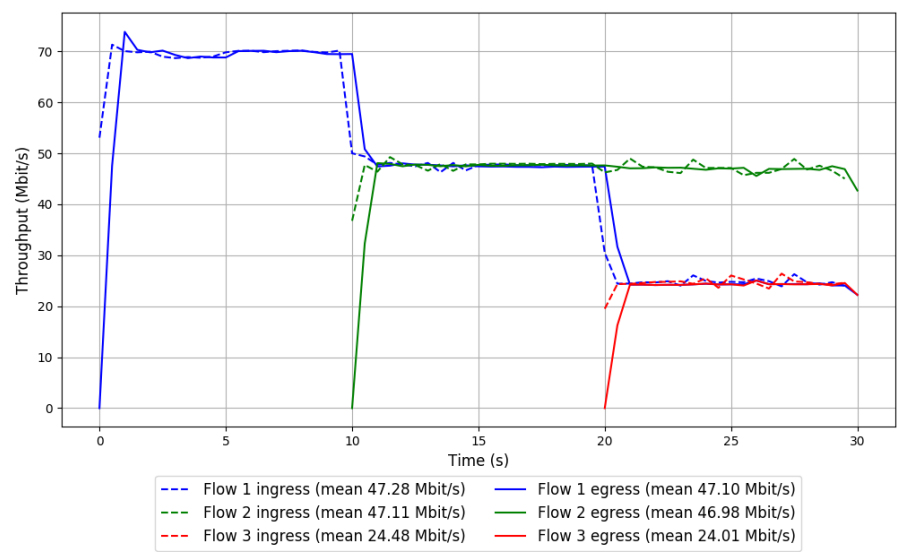


Run 8: Statistics of TaoVA-100x

Start at: 2018-05-22 18:06:58
End at: 2018-05-22 18:07:28
Local clock offset: 1.446 ms
Remote clock offset: -7.983 ms

Below is generated by plot.py at 2018-05-22 19:19:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.34 Mbit/s
95th percentile per-packet one-way delay: 68.152 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 47.10 Mbit/s
95th percentile per-packet one-way delay: 68.500 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 46.98 Mbit/s
95th percentile per-packet one-way delay: 45.725 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 24.01 Mbit/s
95th percentile per-packet one-way delay: 68.352 ms
Loss rate: 2.66%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-05-22 18:28:24

End at: 2018-05-22 18:28:54

Local clock offset: 1.294 ms

Remote clock offset: 3.24 ms

Below is generated by plot.py at 2018-05-22 19:21:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.46 Mbit/s

95th percentile per-packet one-way delay: 67.557 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 47.24 Mbit/s

95th percentile per-packet one-way delay: 63.801 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 46.90 Mbit/s

95th percentile per-packet one-way delay: 45.388 ms

Loss rate: 0.59%

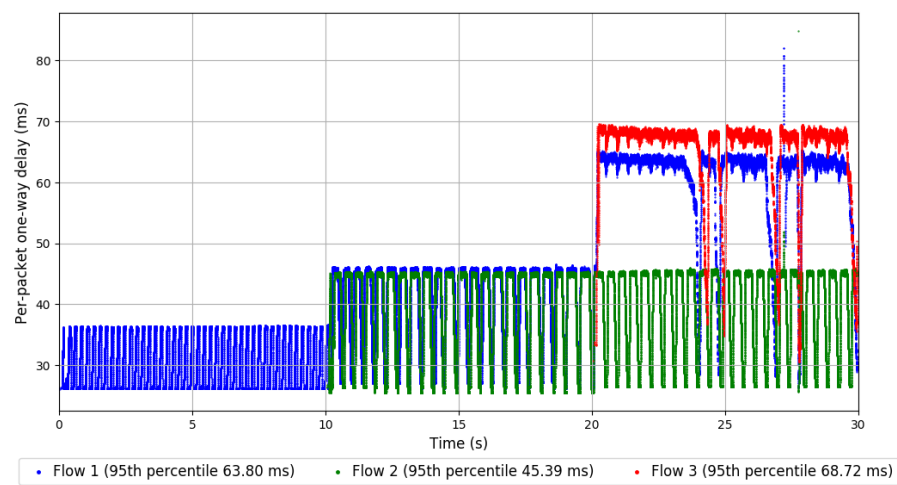
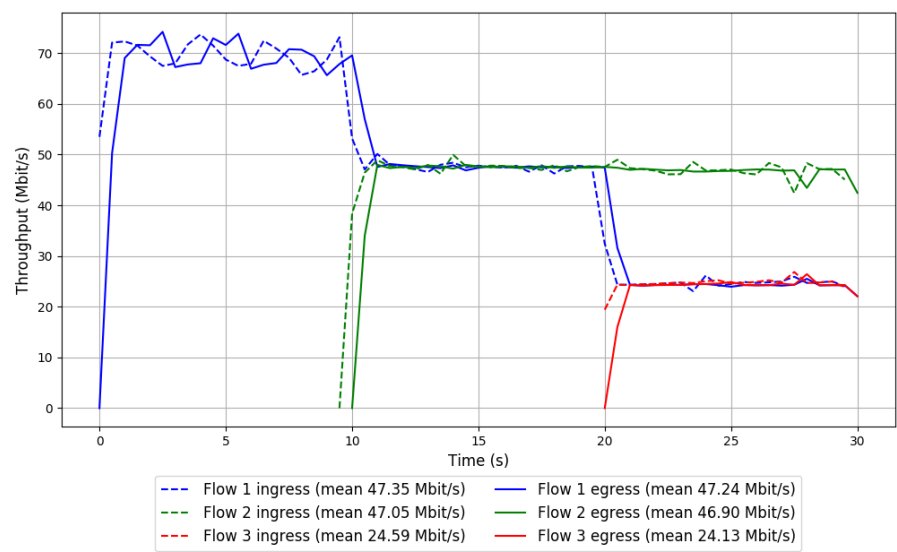
-- Flow 3:

Average throughput: 24.13 Mbit/s

95th percentile per-packet one-way delay: 68.725 ms

Loss rate: 2.46%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-05-22 18:49:58

End at: 2018-05-22 18:50:28

Local clock offset: 0.687 ms

Remote clock offset: 1.71 ms

Below is generated by plot.py at 2018-05-22 19:21:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.41 Mbit/s

95th percentile per-packet one-way delay: 67.469 ms

Loss rate: 1.04%

-- Flow 1:

Average throughput: 51.95 Mbit/s

95th percentile per-packet one-way delay: 50.134 ms

Loss rate: 0.83%

-- Flow 2:

Average throughput: 35.84 Mbit/s

95th percentile per-packet one-way delay: 63.292 ms

Loss rate: 1.09%

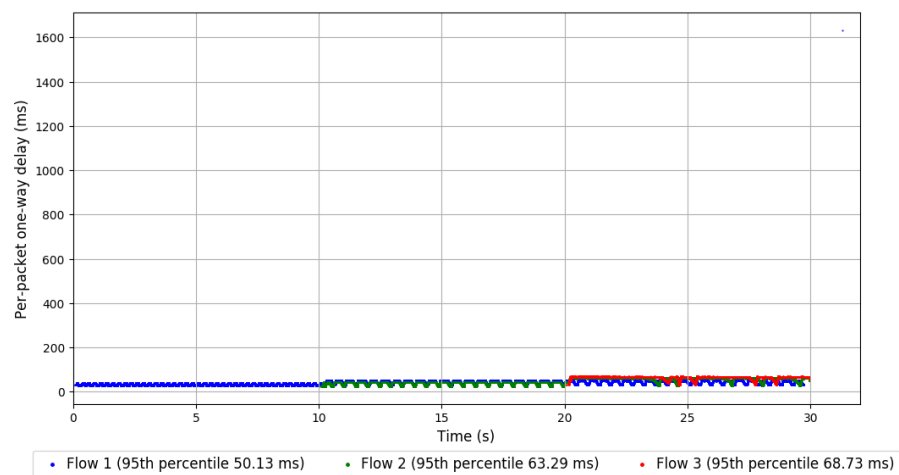
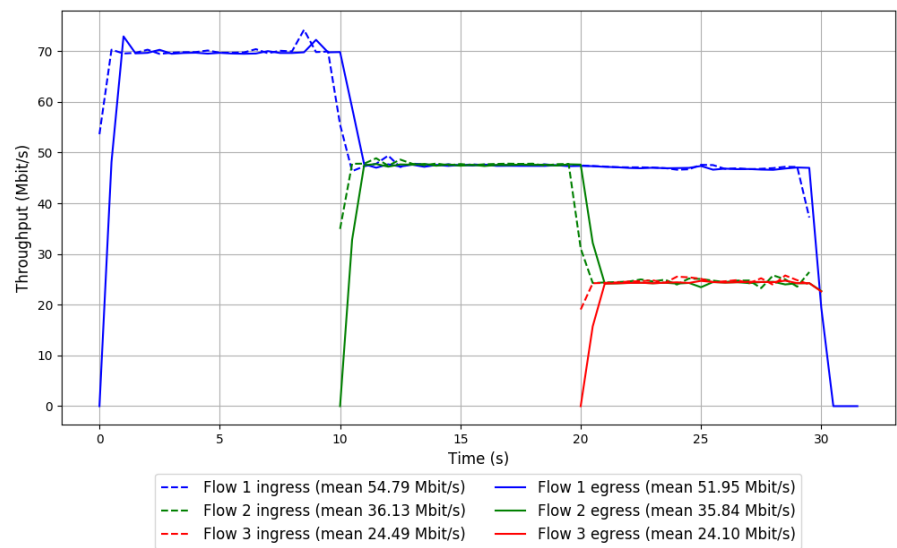
-- Flow 3:

Average throughput: 24.10 Mbit/s

95th percentile per-packet one-way delay: 68.733 ms

Loss rate: 2.24%

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

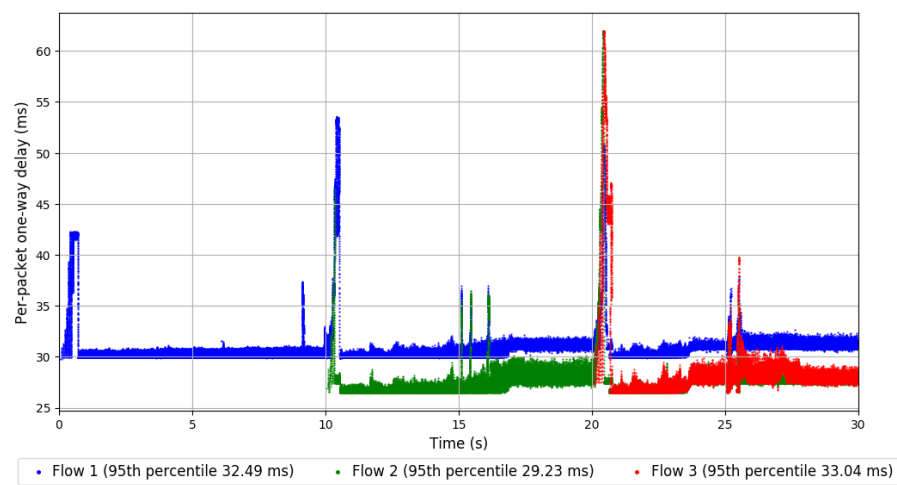
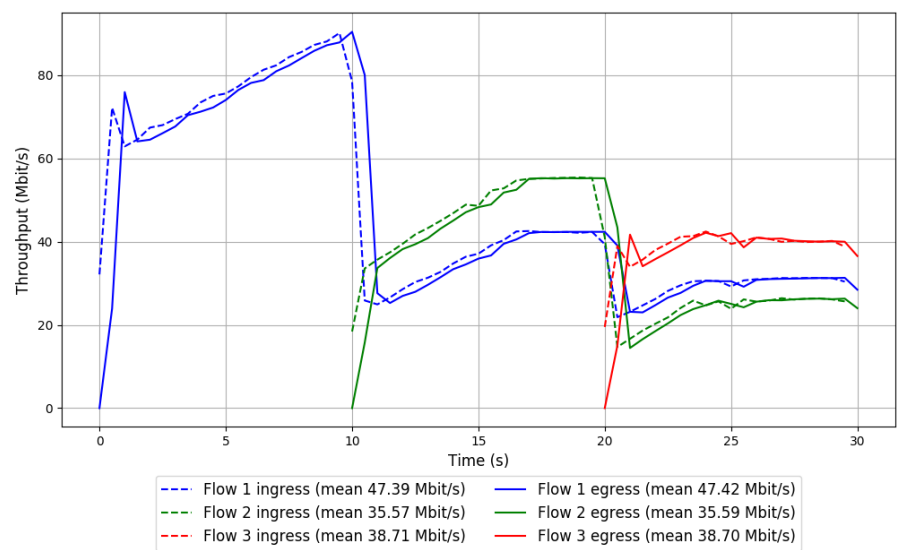


Run 1: Statistics of TCP Vegas

Start at: 2018-05-22 15:41:19
End at: 2018-05-22 15:41:49
Local clock offset: 1.365 ms
Remote clock offset: -0.856 ms

Below is generated by plot.py at 2018-05-22 19:21:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.93 Mbit/s
95th percentile per-packet one-way delay: 31.928 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 47.42 Mbit/s
95th percentile per-packet one-way delay: 32.487 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 35.59 Mbit/s
95th percentile per-packet one-way delay: 29.225 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 38.70 Mbit/s
95th percentile per-packet one-way delay: 33.044 ms
Loss rate: 0.60%

Run 1: Report of TCP Vegas — Data Link

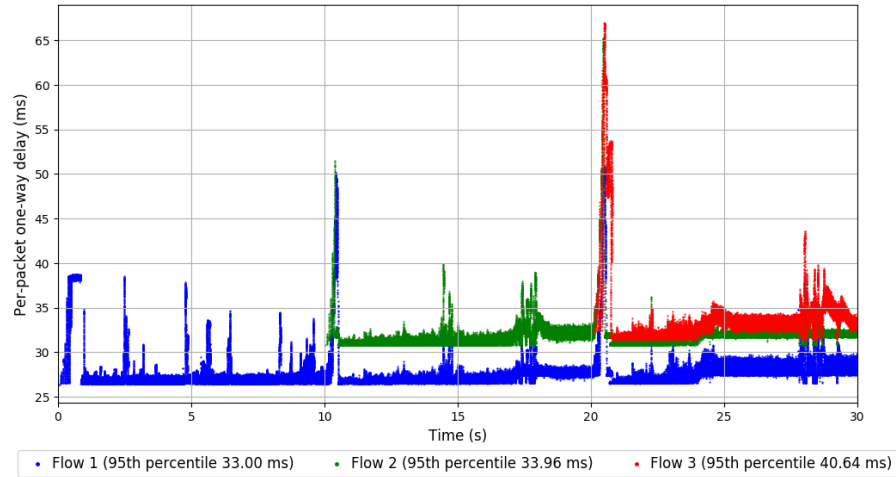
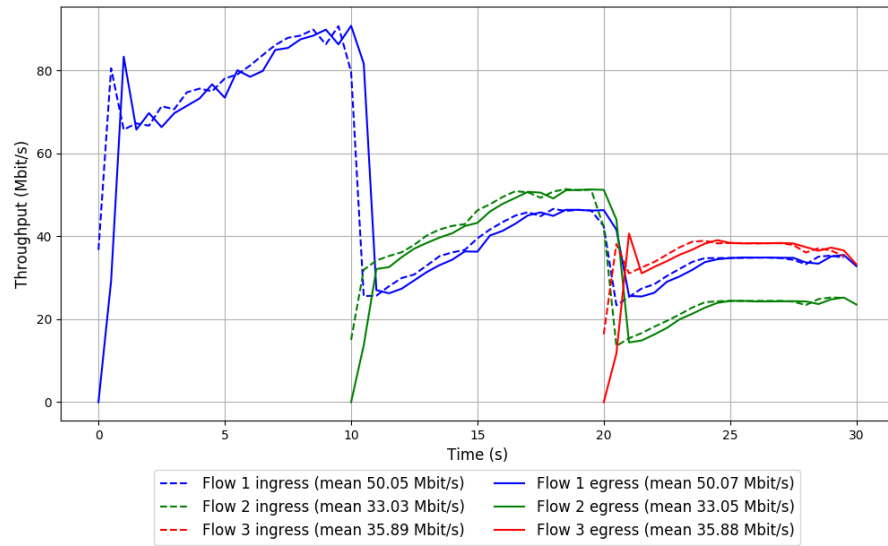


Run 2: Statistics of TCP Vegas

Start at: 2018-05-22 16:02:35
End at: 2018-05-22 16:03:05
Local clock offset: 1.191 ms
Remote clock offset: -0.602 ms

Below is generated by plot.py at 2018-05-22 19:21:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.93 Mbit/s
95th percentile per-packet one-way delay: 35.065 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 50.07 Mbit/s
95th percentile per-packet one-way delay: 32.998 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 33.05 Mbit/s
95th percentile per-packet one-way delay: 33.963 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 35.88 Mbit/s
95th percentile per-packet one-way delay: 40.637 ms
Loss rate: 0.64%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-05-22 16:23:57

End at: 2018-05-22 16:24:27

Local clock offset: 0.928 ms

Remote clock offset: 0.633 ms

Below is generated by plot.py at 2018-05-22 19:21:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.54 Mbit/s

95th percentile per-packet one-way delay: 32.123 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 53.16 Mbit/s

95th percentile per-packet one-way delay: 31.576 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 37.13 Mbit/s

95th percentile per-packet one-way delay: 32.110 ms

Loss rate: 0.25%

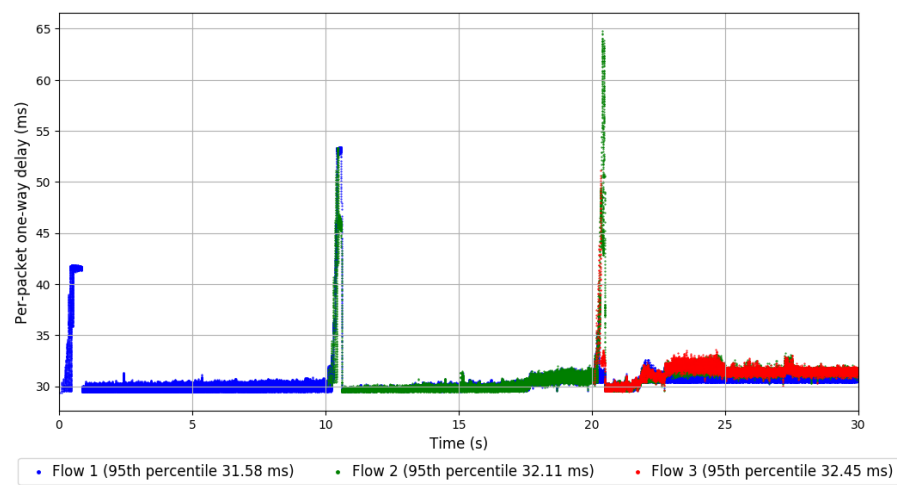
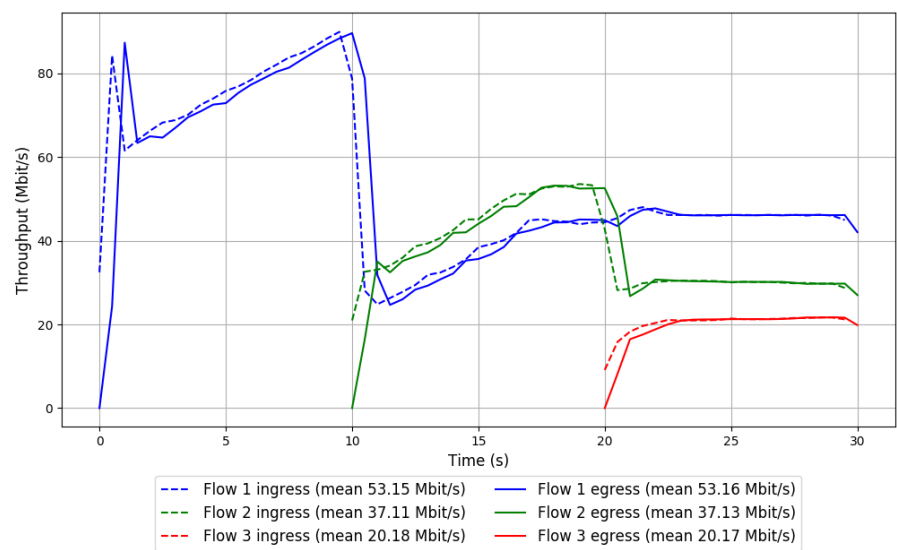
-- Flow 3:

Average throughput: 20.17 Mbit/s

95th percentile per-packet one-way delay: 32.447 ms

Loss rate: 0.67%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-05-22 16:45:15

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

Local clock offset: 1.189 ms

Remote clock offset: 1.253 ms

Below is generated by plot.py at 2018-05-22 19:21:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.60 Mbit/s

95th percentile per-packet one-way delay: 33.419 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 52.48 Mbit/s

95th percentile per-packet one-way delay: 32.351 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 33.07 Mbit/s

95th percentile per-packet one-way delay: 29.634 ms

Loss rate: 0.19%

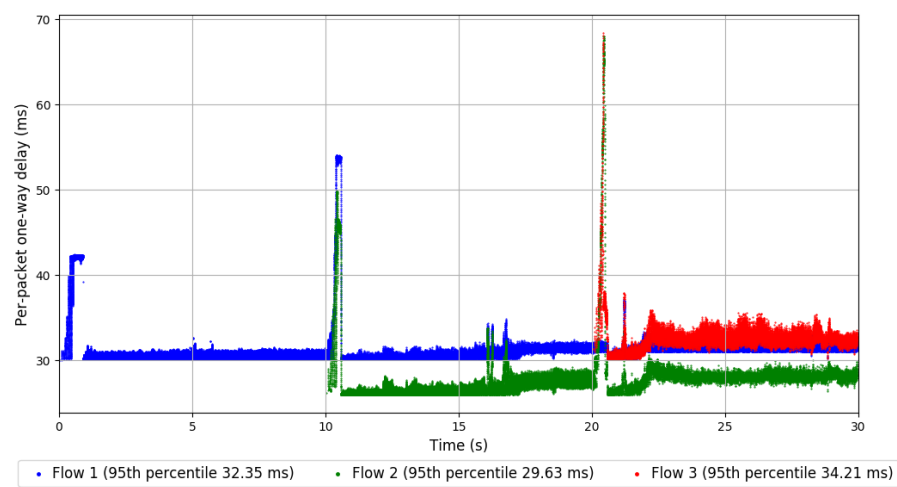
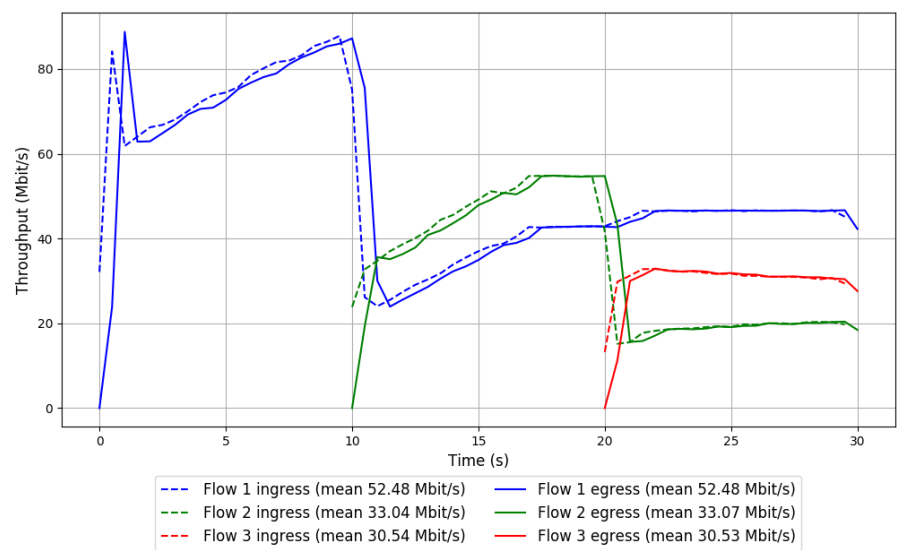
-- Flow 3:

Average throughput: 30.53 Mbit/s

95th percentile per-packet one-way delay: 34.210 ms

Loss rate: 0.63%

Run 4: Report of TCP Vegas — Data Link

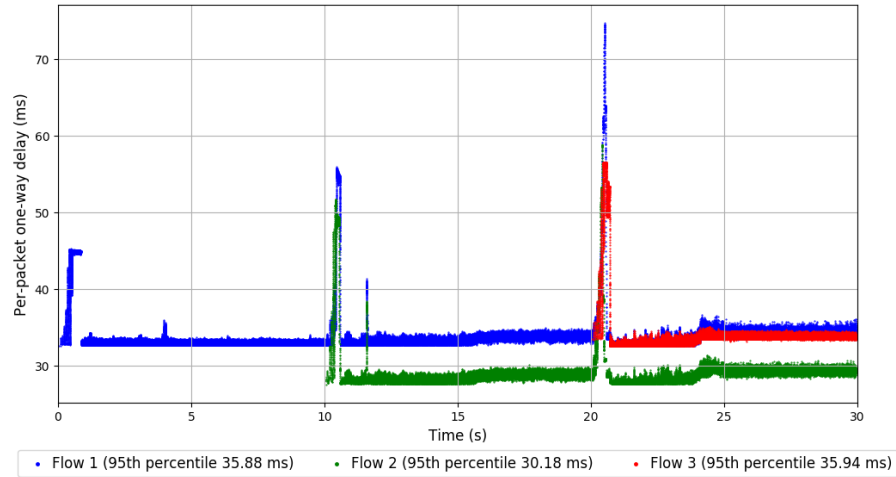
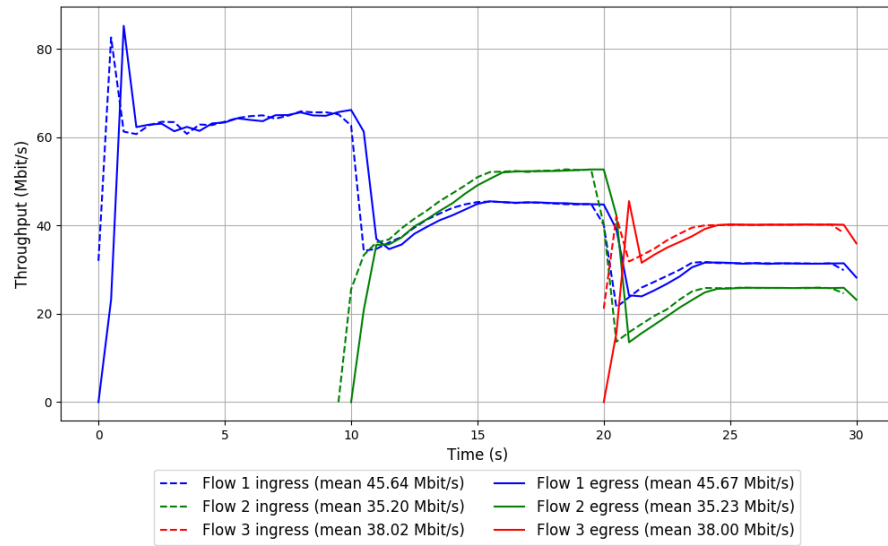


Run 5: Statistics of TCP Vegas

Start at: 2018-05-22 17:06:50
End at: 2018-05-22 17:07:20
Local clock offset: 0.842 ms
Remote clock offset: -8.079 ms

Below is generated by plot.py at 2018-05-22 19:21:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.71 Mbit/s
95th percentile per-packet one-way delay: 35.174 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 45.67 Mbit/s
95th percentile per-packet one-way delay: 35.880 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 35.23 Mbit/s
95th percentile per-packet one-way delay: 30.184 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 38.00 Mbit/s
95th percentile per-packet one-way delay: 35.944 ms
Loss rate: 0.67%

Run 5: Report of TCP Vegas — Data Link

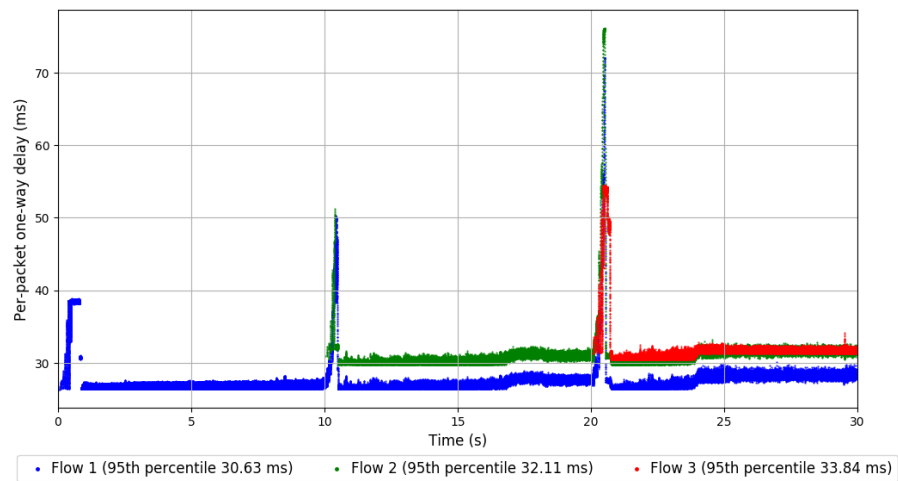
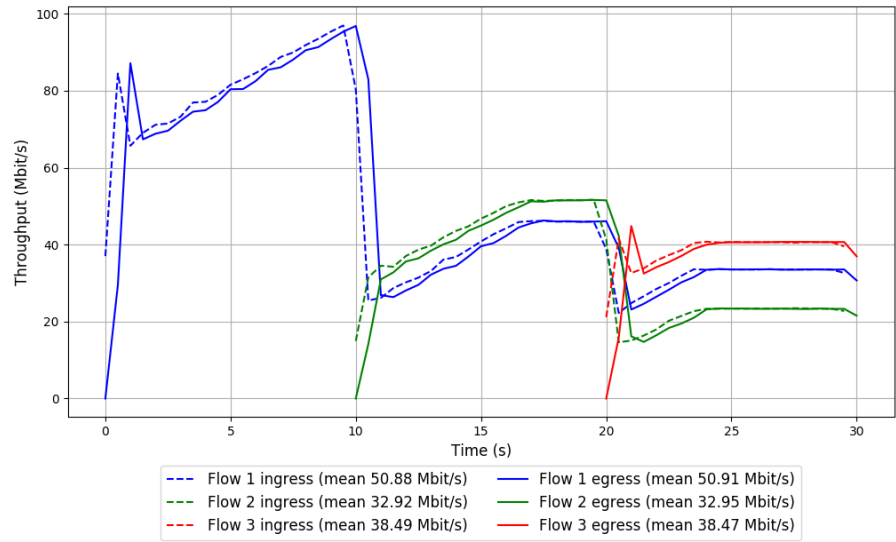


Run 6: Statistics of TCP Vegas

Start at: 2018-05-22 17:28:09
End at: 2018-05-22 17:28:39
Local clock offset: 1.501 ms
Remote clock offset: -10.272 ms

Below is generated by plot.py at 2018-05-22 19:21:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.58 Mbit/s
95th percentile per-packet one-way delay: 32.155 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 50.91 Mbit/s
95th percentile per-packet one-way delay: 30.630 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 32.95 Mbit/s
95th percentile per-packet one-way delay: 32.106 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 38.47 Mbit/s
95th percentile per-packet one-way delay: 33.843 ms
Loss rate: 0.66%

Run 6: Report of TCP Vegas — Data Link

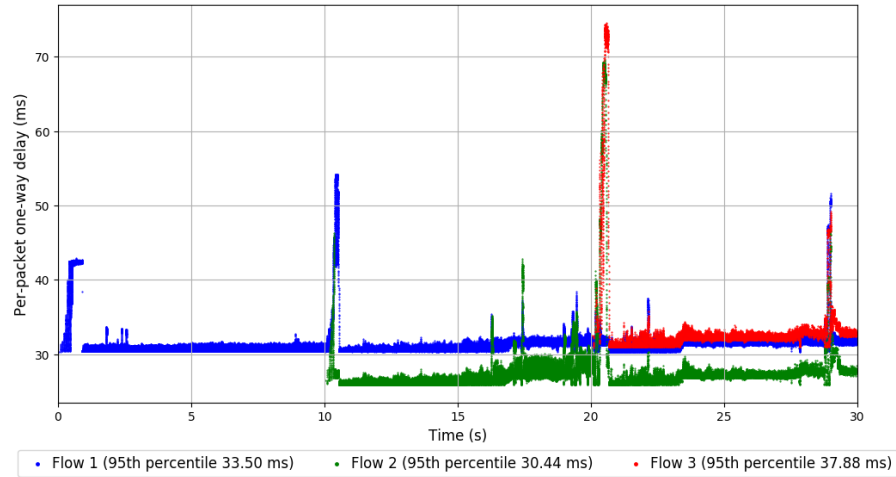
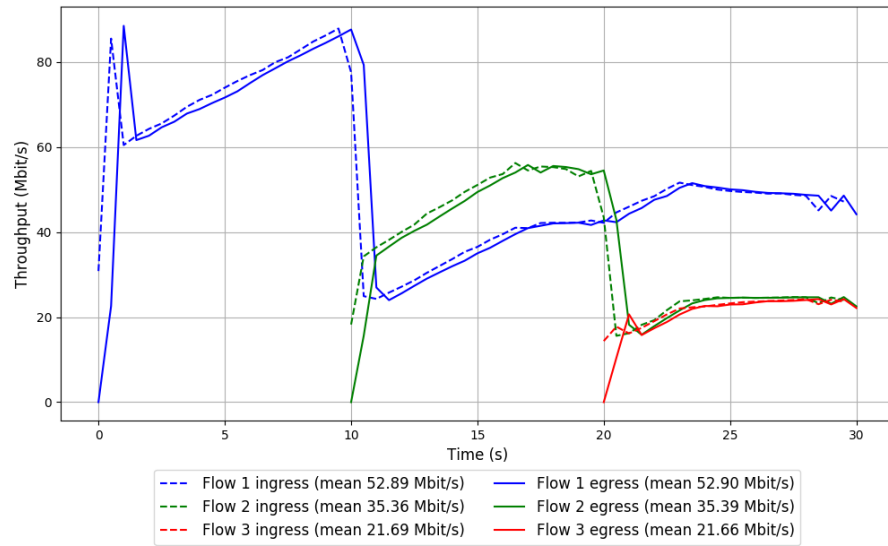


Run 7: Statistics of TCP Vegas

Start at: 2018-05-22 17:49:38
End at: 2018-05-22 17:50:08
Local clock offset: 1.419 ms
Remote clock offset: -12.794 ms

Below is generated by plot.py at 2018-05-22 19:21:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.62 Mbit/s
95th percentile per-packet one-way delay: 33.359 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 52.90 Mbit/s
95th percentile per-packet one-way delay: 33.504 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 35.39 Mbit/s
95th percentile per-packet one-way delay: 30.438 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 21.66 Mbit/s
95th percentile per-packet one-way delay: 37.876 ms
Loss rate: 0.72%

Run 7: Report of TCP Vegas — Data Link

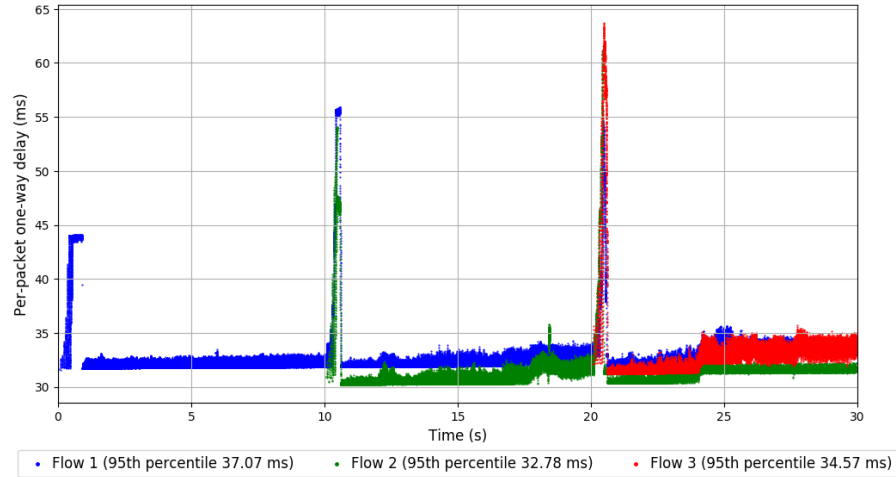
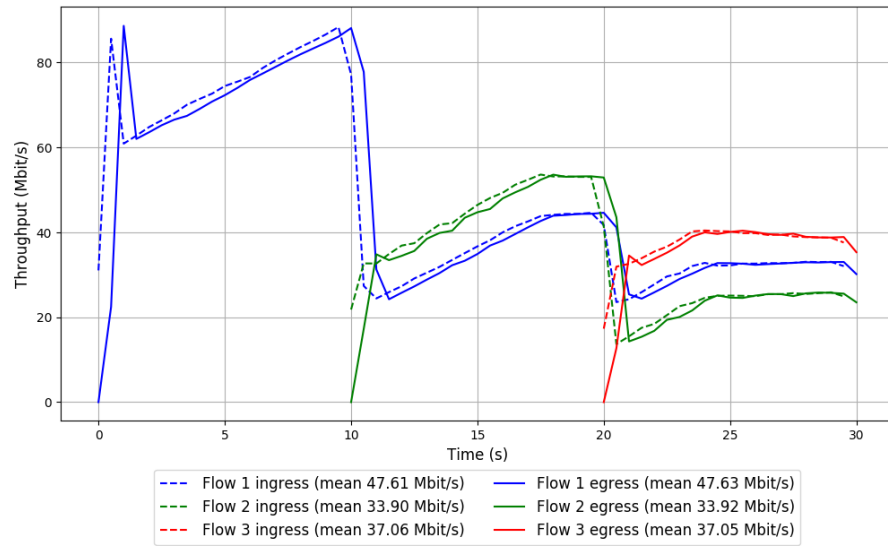


Run 8: Statistics of TCP Vegas

Start at: 2018-05-22 18:10:54
End at: 2018-05-22 18:11:24
Local clock offset: 1.367 ms
Remote clock offset: -4.792 ms

Below is generated by plot.py at 2018-05-22 19:21:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.47 Mbit/s
95th percentile per-packet one-way delay: 34.720 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 47.63 Mbit/s
95th percentile per-packet one-way delay: 37.072 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 33.92 Mbit/s
95th percentile per-packet one-way delay: 32.780 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 37.05 Mbit/s
95th percentile per-packet one-way delay: 34.573 ms
Loss rate: 0.66%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-05-22 18:32:21

End at: 2018-05-22 18:32:51

Local clock offset: 1.081 ms

Remote clock offset: 3.705 ms

Below is generated by plot.py at 2018-05-22 19:21:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.20 Mbit/s

95th percentile per-packet one-way delay: 34.058 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 47.83 Mbit/s

95th percentile per-packet one-way delay: 33.463 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 36.16 Mbit/s

95th percentile per-packet one-way delay: 28.147 ms

Loss rate: 0.22%

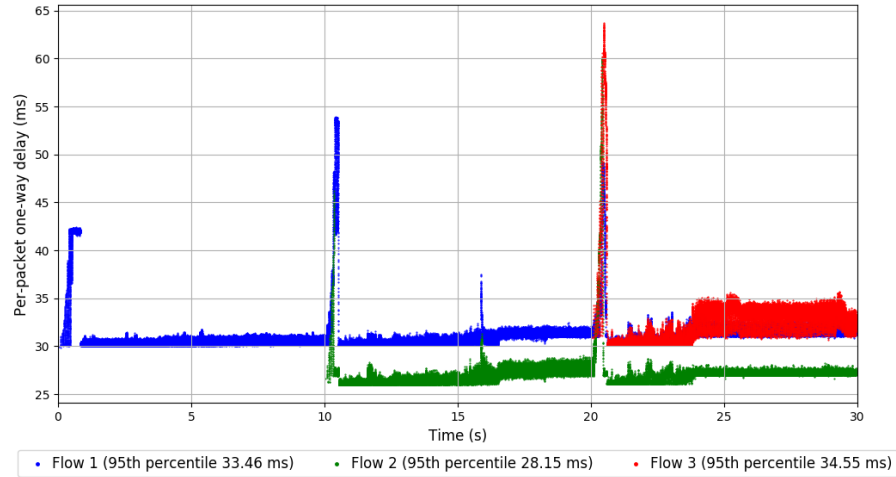
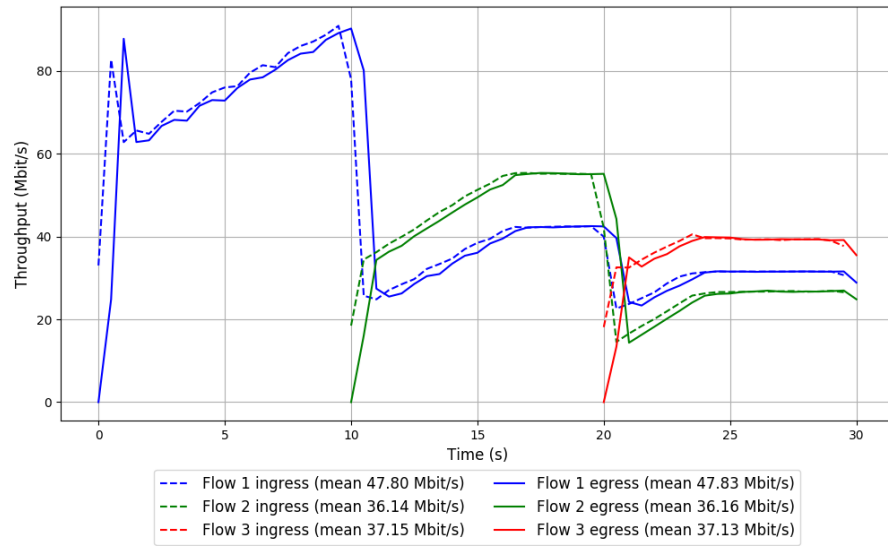
-- Flow 3:

Average throughput: 37.13 Mbit/s

95th percentile per-packet one-way delay: 34.555 ms

Loss rate: 0.65%

Run 9: Report of TCP Vegas — Data Link

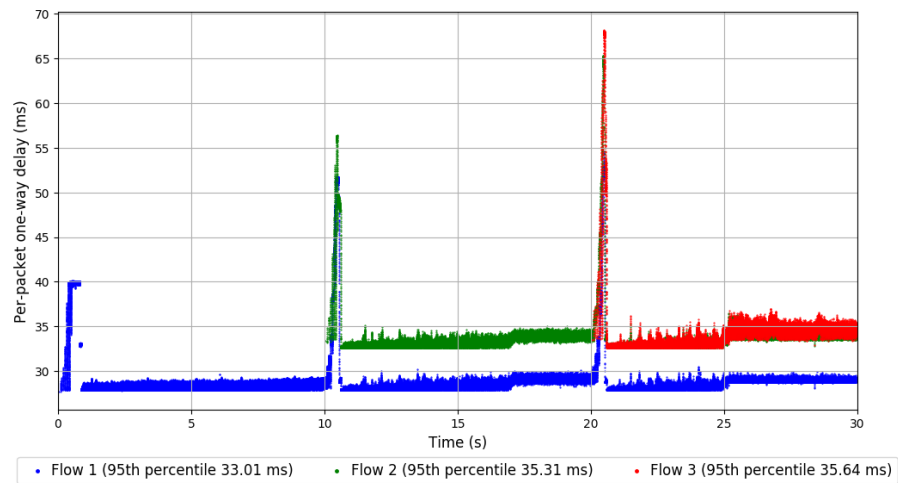
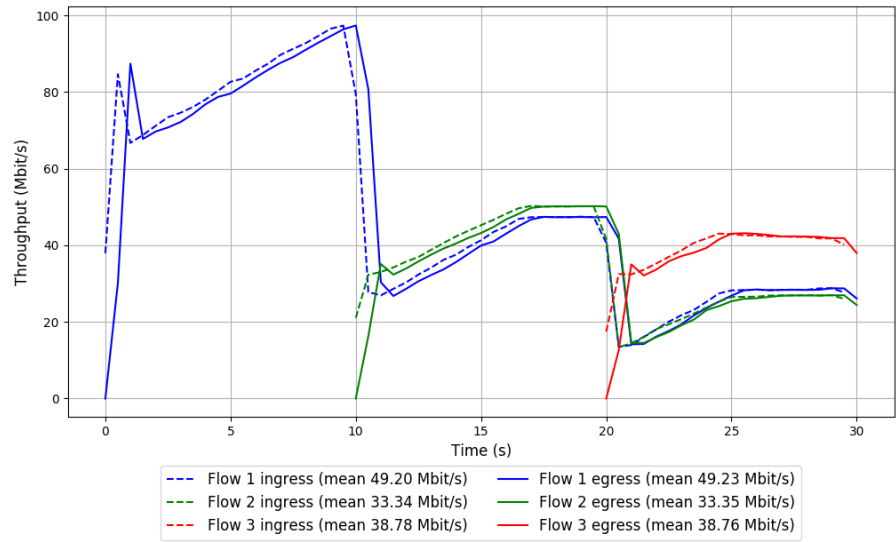


Run 10: Statistics of TCP Vegas

Start at: 2018-05-22 18:53:55
End at: 2018-05-22 18:54:25
Local clock offset: 0.668 ms
Remote clock offset: -0.861 ms

Below is generated by plot.py at 2018-05-22 19:21:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.26 Mbit/s
95th percentile per-packet one-way delay: 35.378 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 49.23 Mbit/s
95th percentile per-packet one-way delay: 33.014 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 33.35 Mbit/s
95th percentile per-packet one-way delay: 35.312 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 38.76 Mbit/s
95th percentile per-packet one-way delay: 35.640 ms
Loss rate: 0.68%

Run 10: Report of TCP Vegas — Data Link

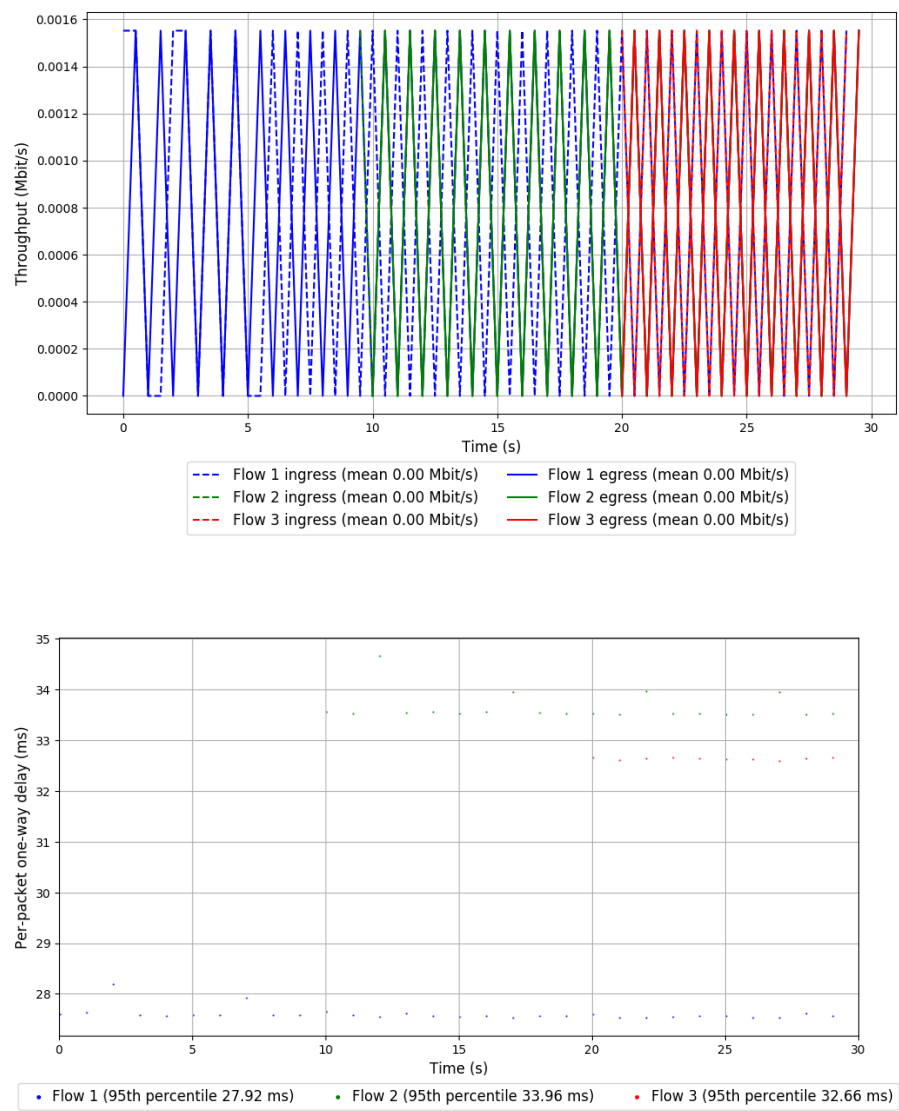


Run 1: Statistics of Verus

Start at: 2018-05-22 15:30:51
End at: 2018-05-22 15:31:21
Local clock offset: 1.022 ms
Remote clock offset: -2.853 ms

Below is generated by plot.py at 2018-05-22 19:21:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 33.947 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 27.922 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 33.960 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 32.663 ms
Loss rate: 0.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-05-22 15:52:07

End at: 2018-05-22 15:52:37

Local clock offset: 1.412 ms

Remote clock offset: -0.24 ms

Below is generated by plot.py at 2018-05-22 19:21:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 29.902 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 25.543 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 29.913 ms

Loss rate: 0.00%

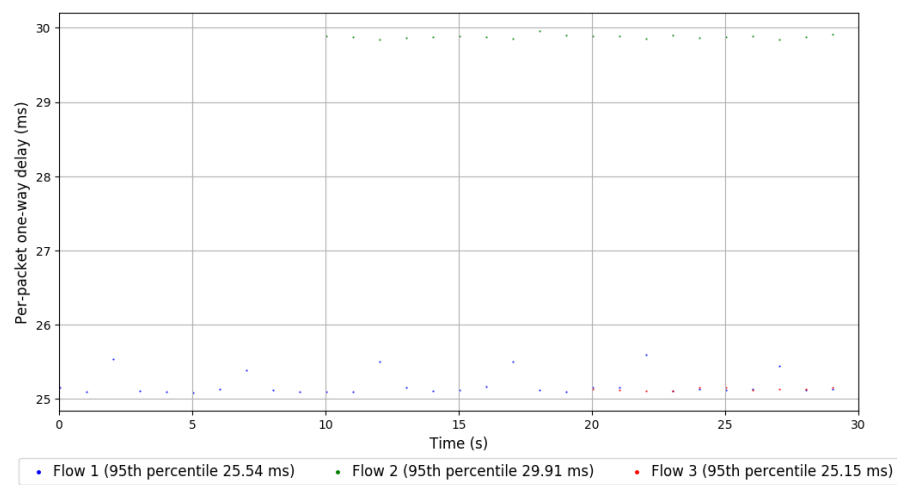
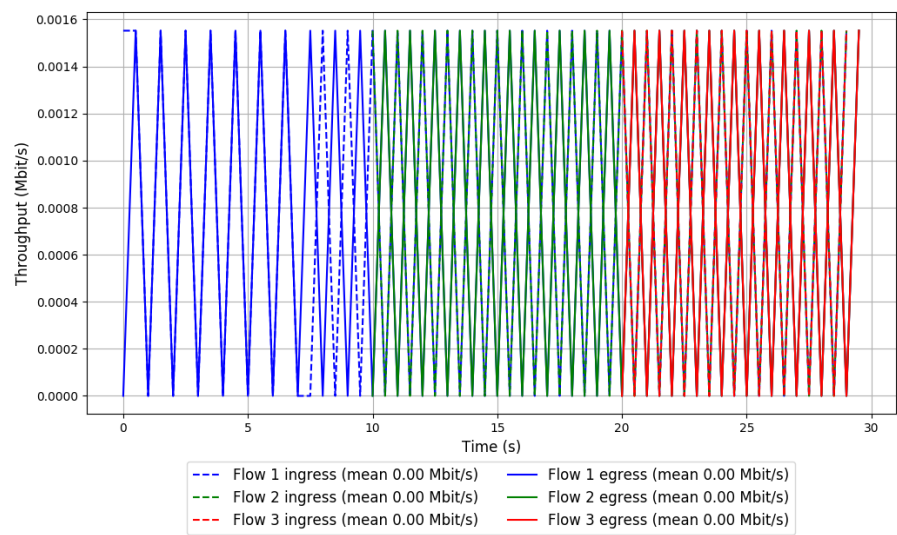
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 25.152 ms

Loss rate: 0.00%

Run 2: Report of Verus — Data Link

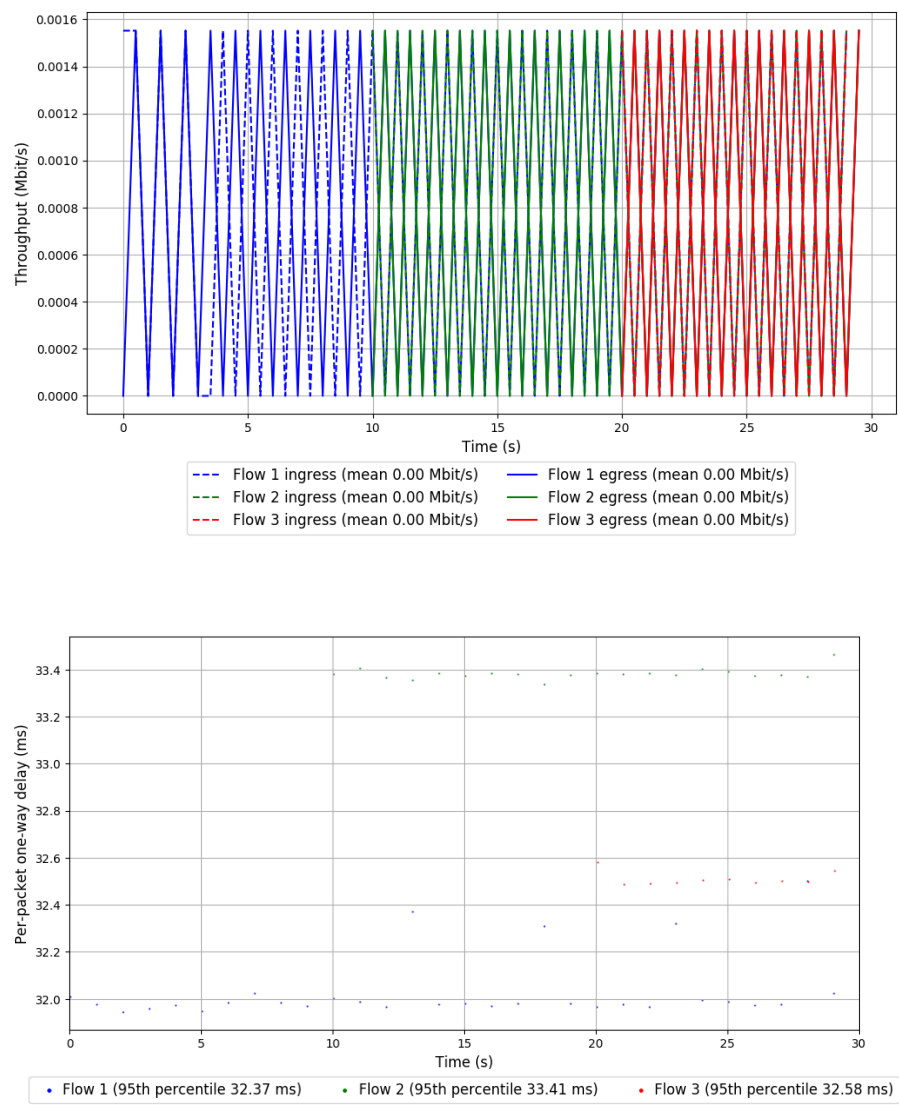


Run 3: Statistics of Verus

Start at: 2018-05-22 16:13:26
End at: 2018-05-22 16:13:56
Local clock offset: 1.011 ms
Remote clock offset: -2.272 ms

Below is generated by plot.py at 2018-05-22 19:21:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 33.392 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 32.372 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 33.407 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 32.581 ms
Loss rate: 0.00%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-05-22 16:34:47

End at: 2018-05-22 16:35:17

Local clock offset: 1.076 ms

Remote clock offset: 1.028 ms

Below is generated by plot.py at 2018-05-22 19:21:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 30.005 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 26.125 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 30.018 ms

Loss rate: 0.00%

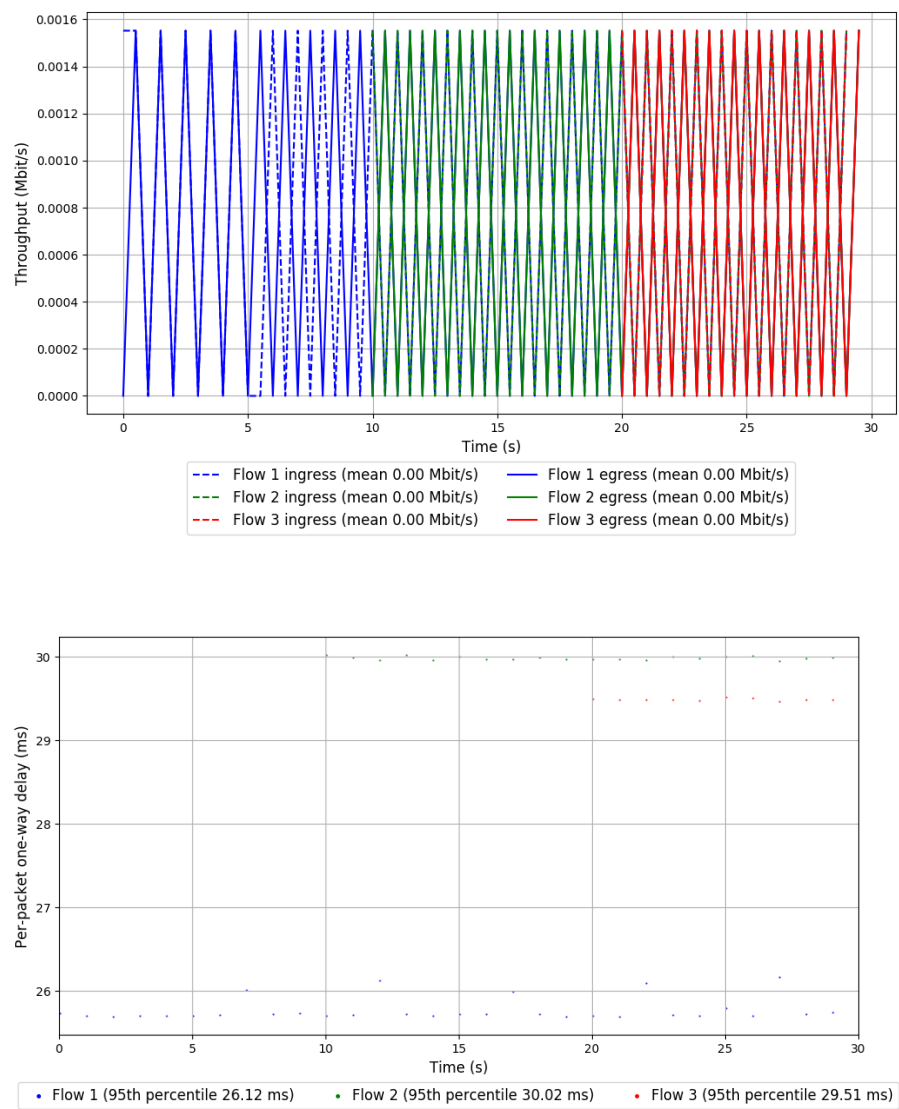
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 29.514 ms

Loss rate: 0.00%

Run 4: Report of Verus — Data Link

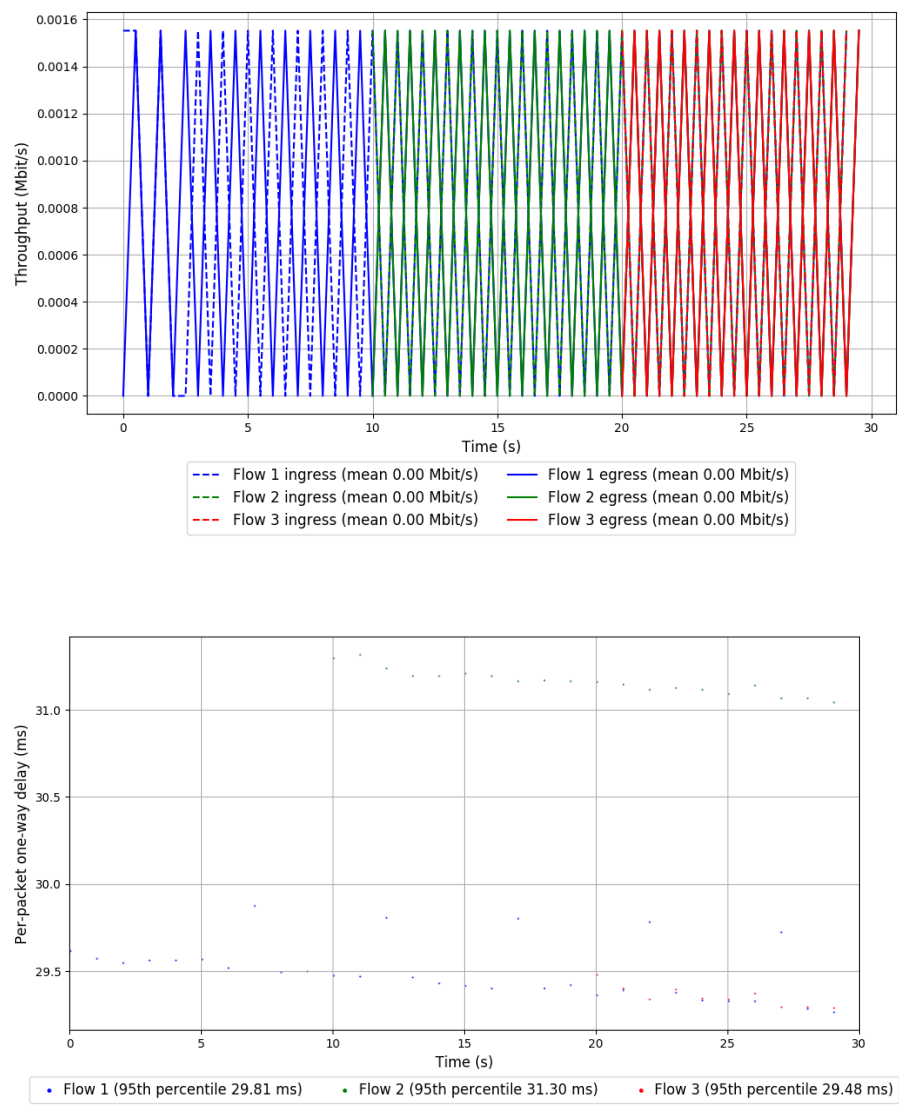


Run 5: Statistics of Verus

Start at: 2018-05-22 16:56:09
End at: 2018-05-22 16:56:39
Local clock offset: 1.238 ms
Remote clock offset: -0.905 ms

Below is generated by plot.py at 2018-05-22 19:21:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 31.207 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 29.810 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 31.299 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 29.481 ms
Loss rate: 0.00%

Run 5: Report of Verus — Data Link

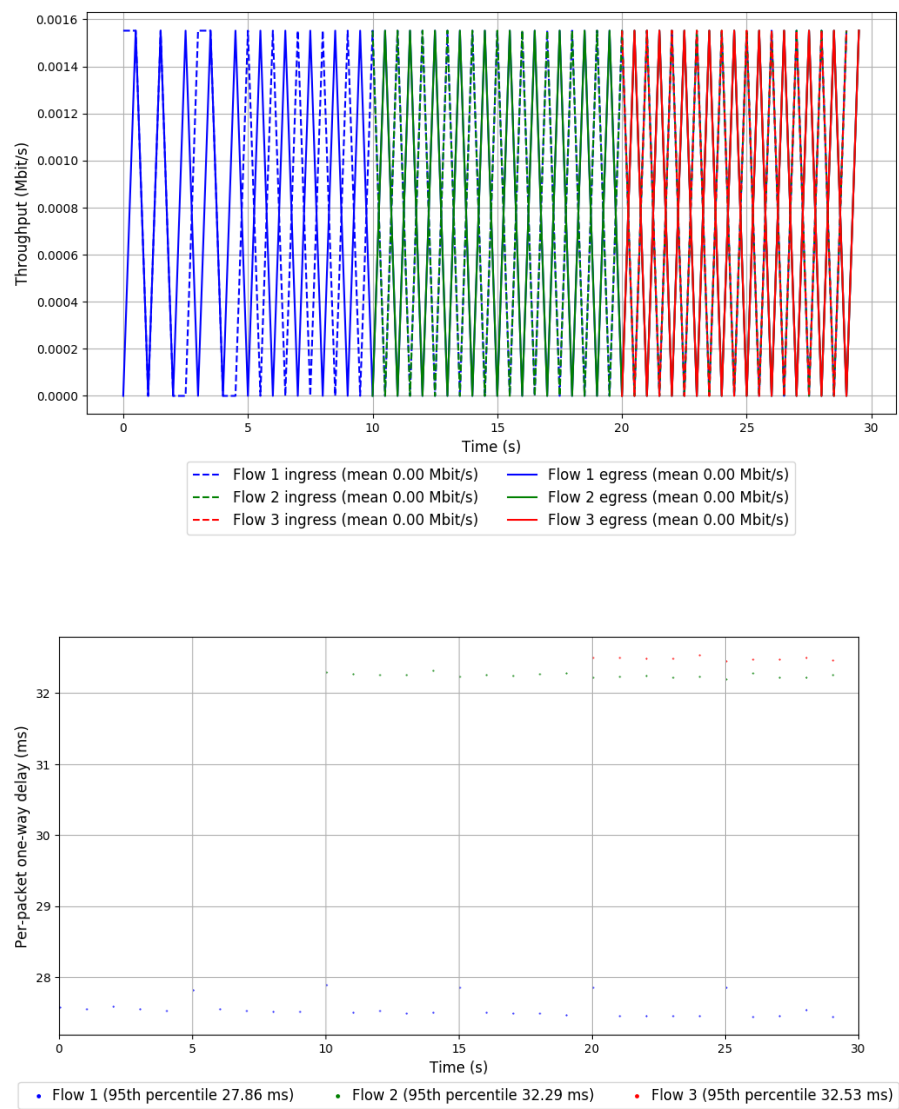


Run 6: Statistics of Verus

Start at: 2018-05-22 17:17:41
End at: 2018-05-22 17:18:11
Local clock offset: 1.283 ms
Remote clock offset: -10.438 ms

Below is generated by plot.py at 2018-05-22 19:21:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 32.498 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 27.857 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 32.293 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 32.533 ms
Loss rate: 0.00%

Run 6: Report of Verus — Data Link

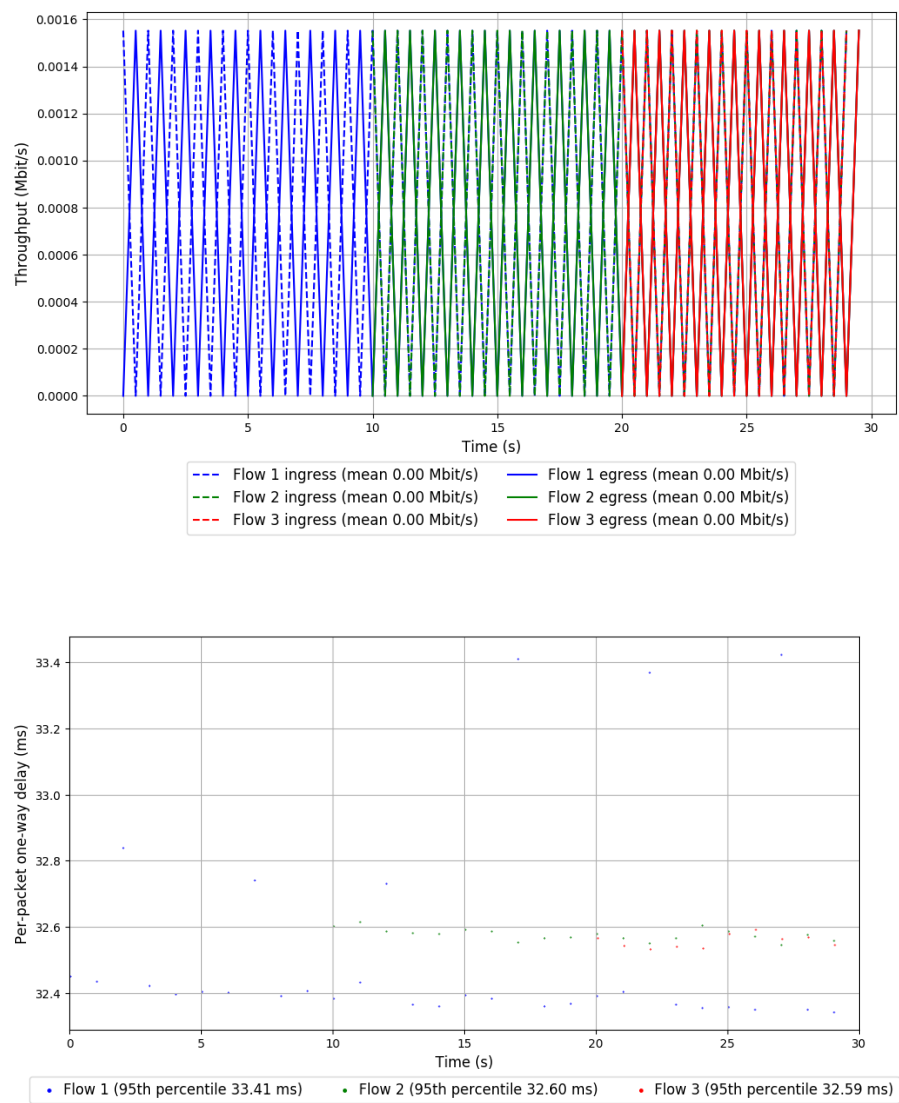


Run 7: Statistics of Verus

Start at: 2018-05-22 17:38:57
End at: 2018-05-22 17:39:27
Local clock offset: 1.362 ms
Remote clock offset: -13.859 ms

Below is generated by plot.py at 2018-05-22 19:21:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 32.839 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 33.410 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 32.605 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 32.592 ms
Loss rate: 0.00%

Run 7: Report of Verus — Data Link

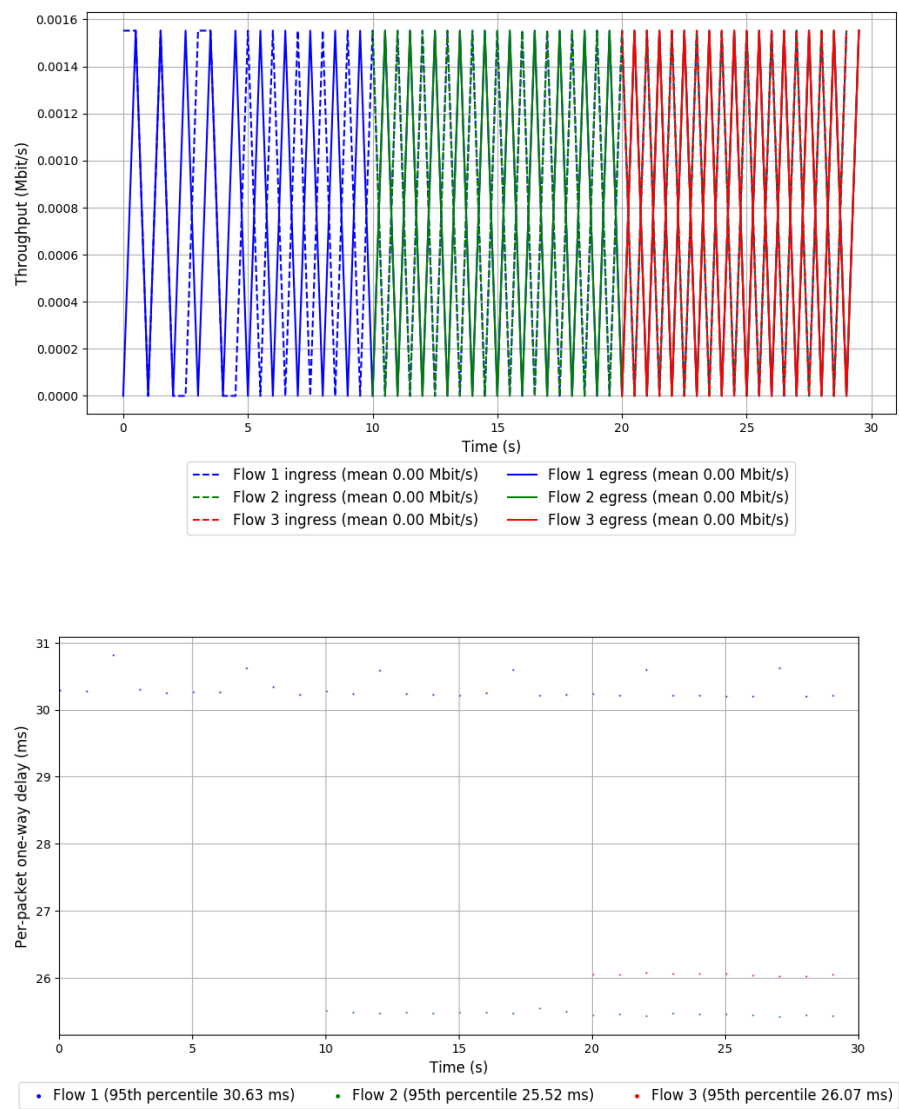


Run 8: Statistics of Verus

Start at: 2018-05-22 18:00:26
End at: 2018-05-22 18:00:56
Local clock offset: 1.368 ms
Remote clock offset: -14.594 ms

```
# Below is generated by plot.py at 2018-05-22 19:21:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 30.604 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 30.630 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 25.516 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 26.070 ms
Loss rate: 0.00%
```

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-05-22 18:21:52

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

Local clock offset: 1.435 ms

Remote clock offset: 1.364 ms

Below is generated by plot.py at 2018-05-22 19:21:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 30.447 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 30.656 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 25.463 ms

Loss rate: 0.00%

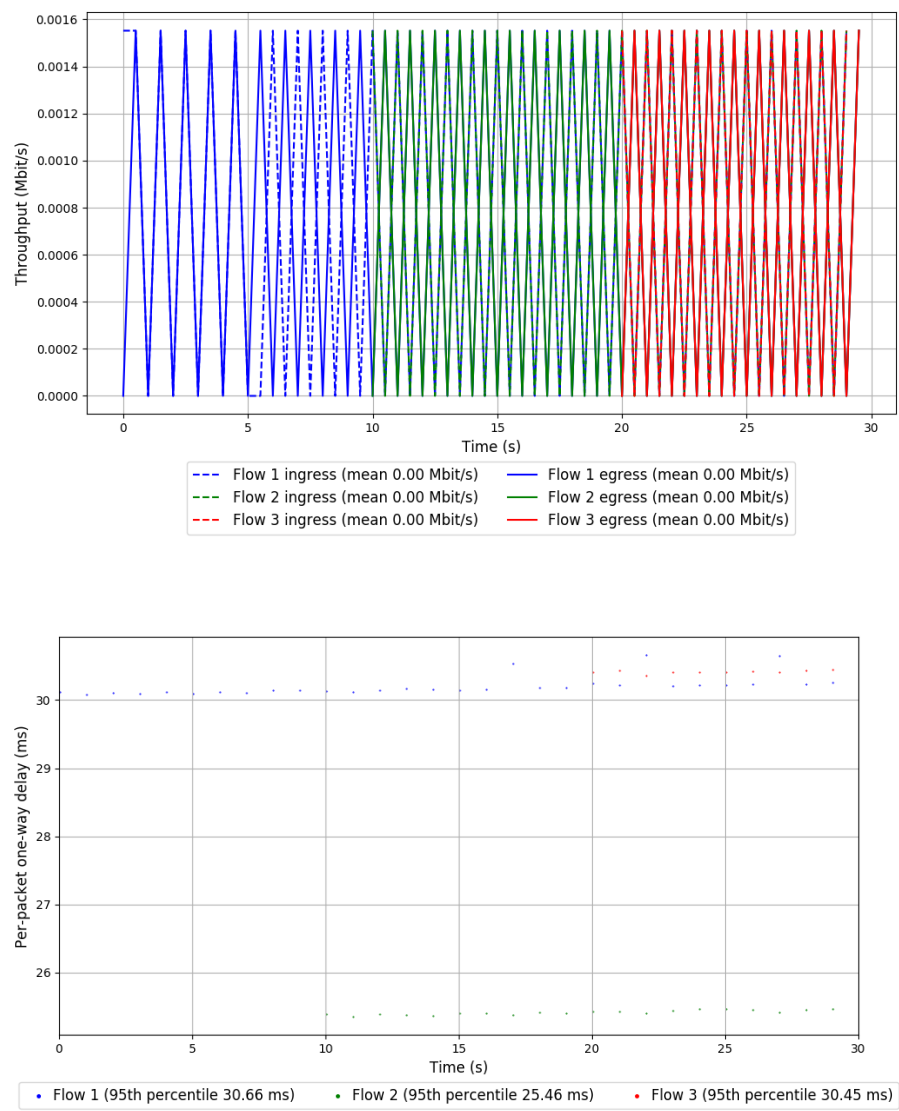
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 30.447 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-05-22 18:43:25

End at: 2018-05-22 18:43:55

Local clock offset: 0.703 ms

Remote clock offset: 2.219 ms

Below is generated by plot.py at 2018-05-22 19:21:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 30.209 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 30.123 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 26.086 ms

Loss rate: 0.00%

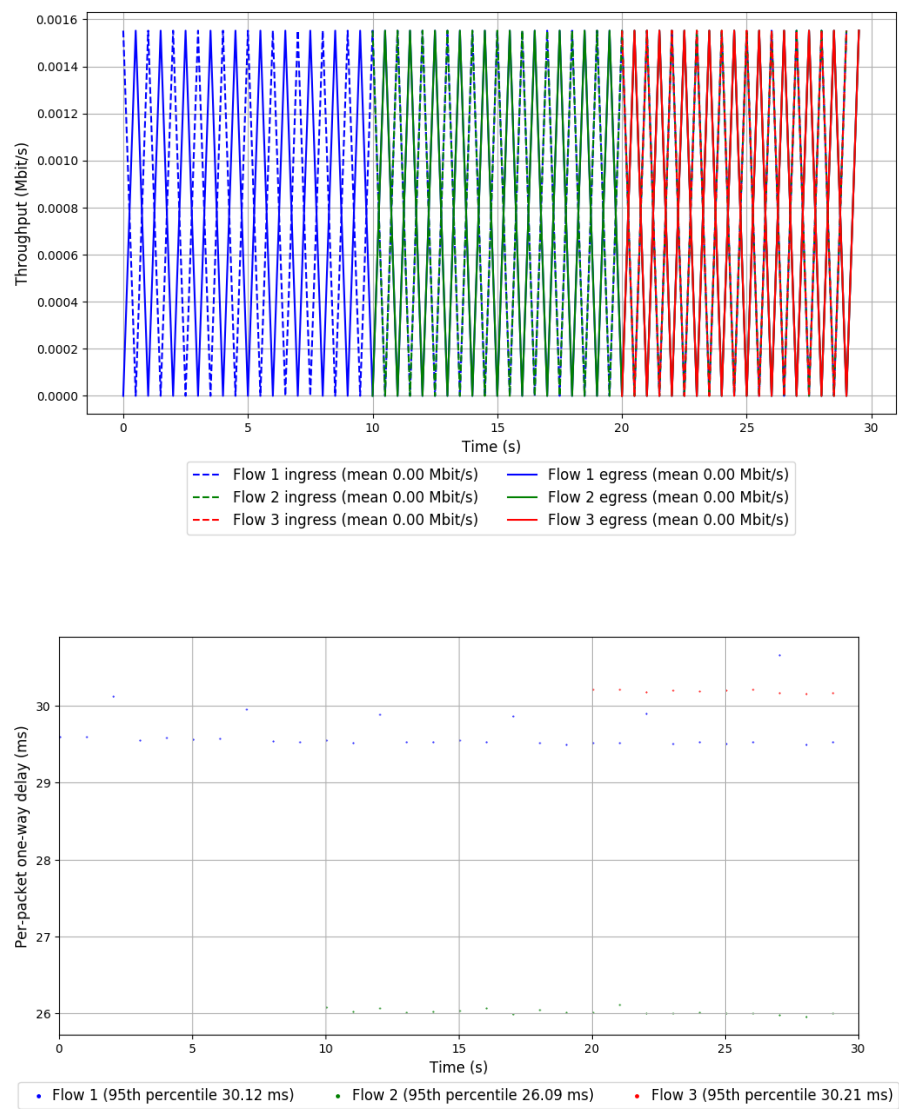
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 30.215 ms

Loss rate: 0.00%

Run 10: Report of Verus — Data Link

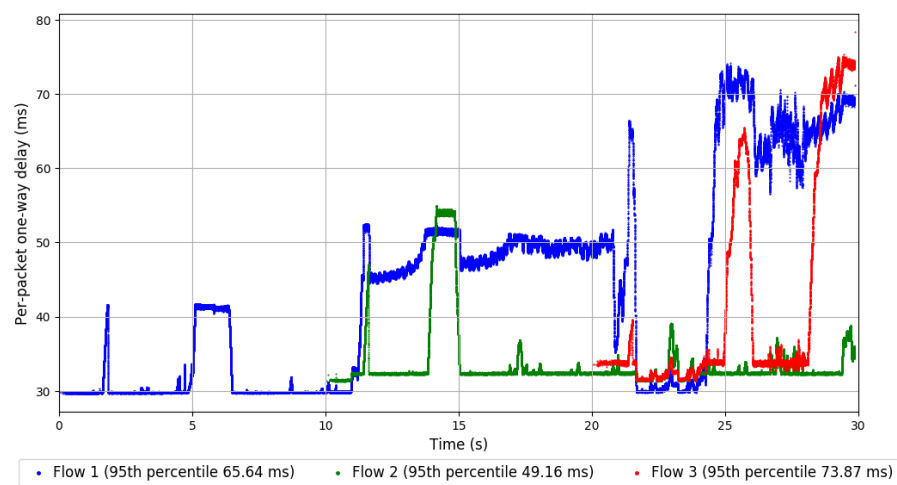
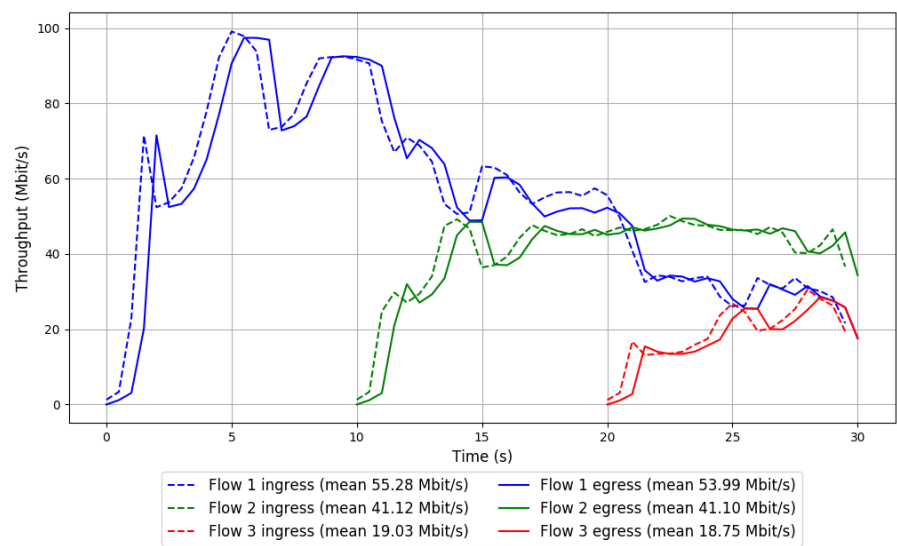


Run 1: Statistics of PCC-Vivace

Start at: 2018-05-22 15:43:59
End at: 2018-05-22 15:44:29
Local clock offset: 1.313 ms
Remote clock offset: -0.835 ms

Below is generated by plot.py at 2018-05-22 19:22:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.46 Mbit/s
95th percentile per-packet one-way delay: 64.784 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 53.99 Mbit/s
95th percentile per-packet one-way delay: 65.638 ms
Loss rate: 2.56%
-- Flow 2:
Average throughput: 41.10 Mbit/s
95th percentile per-packet one-way delay: 49.164 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 18.75 Mbit/s
95th percentile per-packet one-way delay: 73.868 ms
Loss rate: 2.03%

Run 1: Report of PCC-Vivace — Data Link

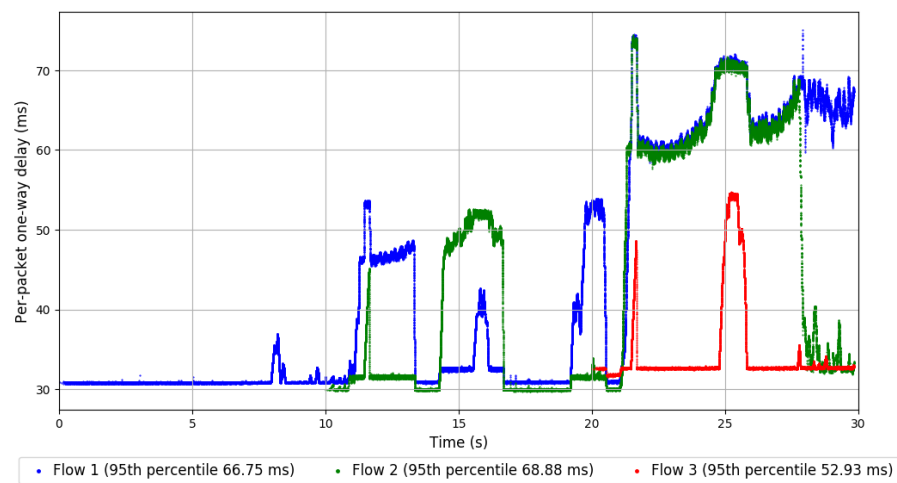
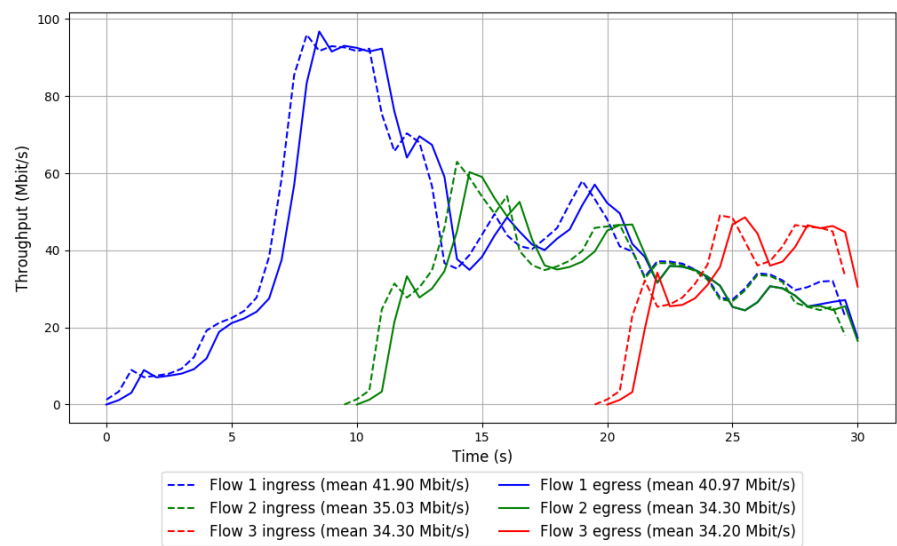


Run 2: Statistics of PCC-Vivace

Start at: 2018-05-22 16:05:16
End at: 2018-05-22 16:05:46
Local clock offset: 1.196 ms
Remote clock offset: -0.534 ms

Below is generated by plot.py at 2018-05-22 19:22:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.05 Mbit/s
95th percentile per-packet one-way delay: 66.219 ms
Loss rate: 2.20%
-- Flow 1:
Average throughput: 40.97 Mbit/s
95th percentile per-packet one-way delay: 66.754 ms
Loss rate: 2.45%
-- Flow 2:
Average throughput: 34.30 Mbit/s
95th percentile per-packet one-way delay: 68.875 ms
Loss rate: 2.37%
-- Flow 3:
Average throughput: 34.20 Mbit/s
95th percentile per-packet one-way delay: 52.933 ms
Loss rate: 0.91%

Run 2: Report of PCC-Vivace — Data Link

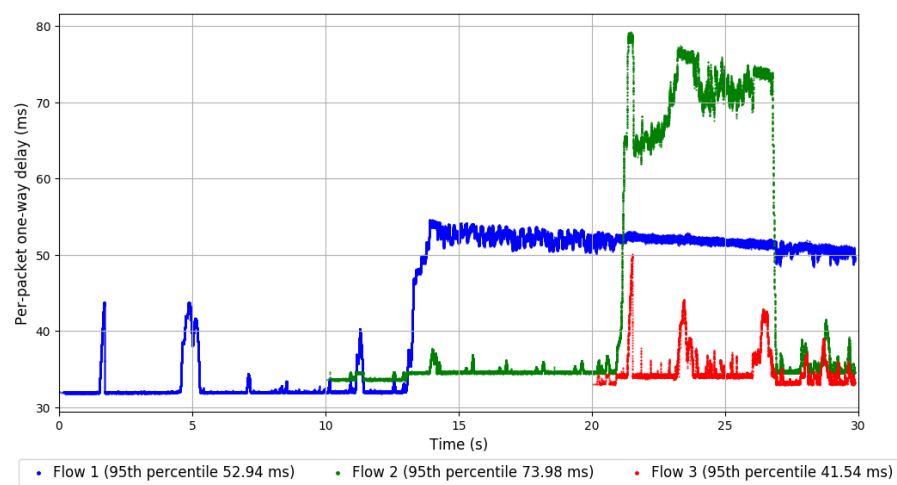
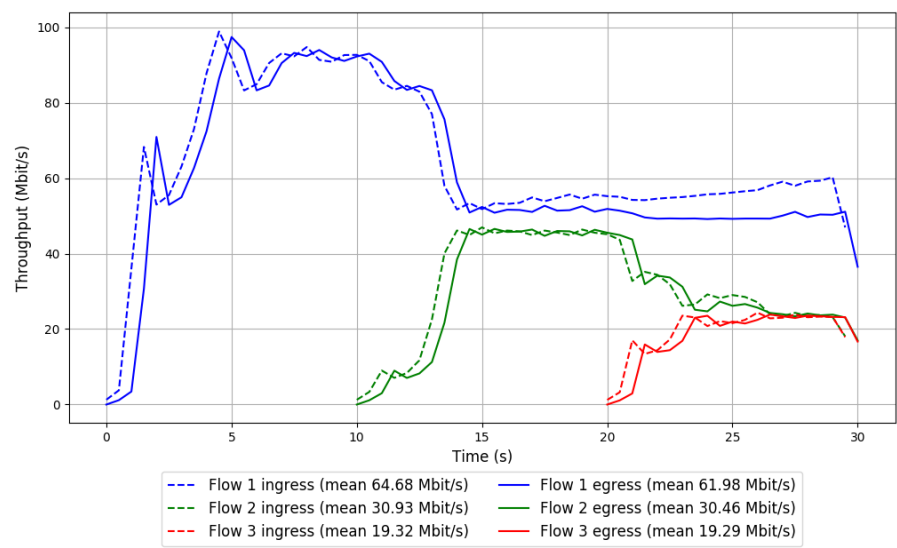


Run 3: Statistics of PCC-Vivace

Start at: 2018-05-22 16:26:38
End at: 2018-05-22 16:27:08
Local clock offset: 0.843 ms
Remote clock offset: -1.809 ms

Below is generated by plot.py at 2018-05-22 19:22:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.57 Mbit/s
95th percentile per-packet one-way delay: 65.095 ms
Loss rate: 3.55%
-- Flow 1:
Average throughput: 61.98 Mbit/s
95th percentile per-packet one-way delay: 52.935 ms
Loss rate: 4.38%
-- Flow 2:
Average throughput: 30.46 Mbit/s
95th percentile per-packet one-way delay: 73.980 ms
Loss rate: 1.82%
-- Flow 3:
Average throughput: 19.29 Mbit/s
95th percentile per-packet one-way delay: 41.540 ms
Loss rate: 0.76%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-05-22 16:47:55

End at: 2018-05-22 16:48:25

Local clock offset: 1.132 ms

Remote clock offset: 0.858 ms

Below is generated by plot.py at 2018-05-22 19:22:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.20 Mbit/s

95th percentile per-packet one-way delay: 60.332 ms

Loss rate: 1.04%

-- Flow 1:

Average throughput: 55.80 Mbit/s

95th percentile per-packet one-way delay: 56.119 ms

Loss rate: 1.00%

-- Flow 2:

Average throughput: 35.07 Mbit/s

95th percentile per-packet one-way delay: 62.489 ms

Loss rate: 1.15%

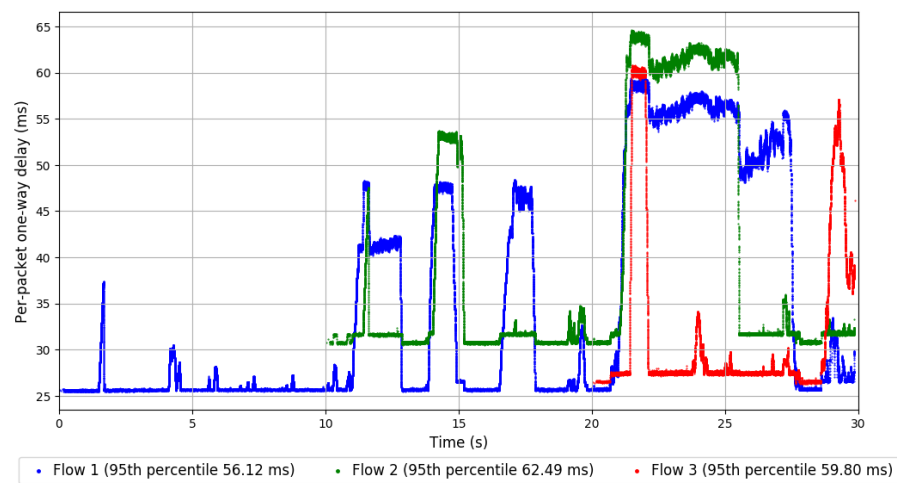
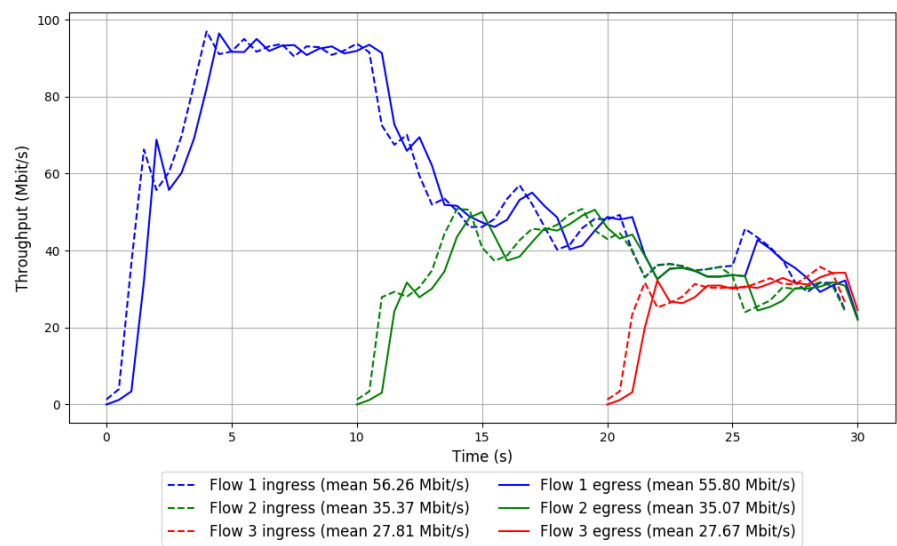
-- Flow 3:

Average throughput: 27.67 Mbit/s

95th percentile per-packet one-way delay: 59.803 ms

Loss rate: 1.01%

Run 4: Report of PCC-Vivace — Data Link

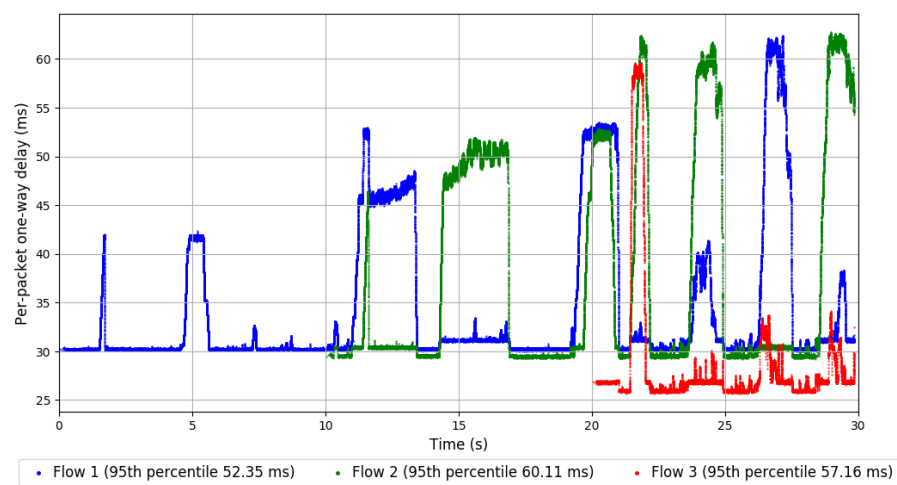
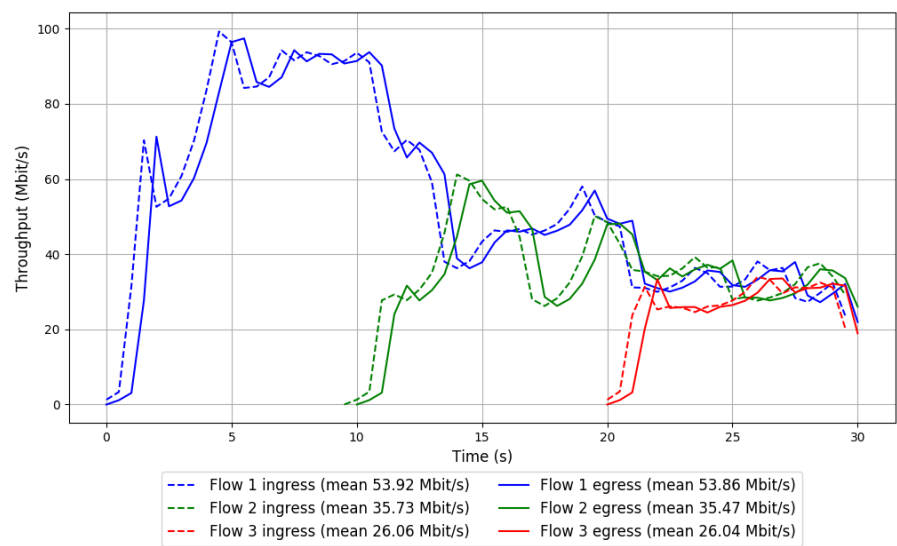


Run 5: Statistics of PCC-Vivace

Start at: 2018-05-22 17:09:32
End at: 2018-05-22 17:10:02
Local clock offset: 0.939 ms
Remote clock offset: -6.263 ms

Below is generated by plot.py at 2018-05-22 19:22:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.00 Mbit/s
95th percentile per-packet one-way delay: 54.092 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 53.86 Mbit/s
95th percentile per-packet one-way delay: 52.350 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 35.47 Mbit/s
95th percentile per-packet one-way delay: 60.110 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 26.04 Mbit/s
95th percentile per-packet one-way delay: 57.165 ms
Loss rate: 0.62%

Run 5: Report of PCC-Vivace — Data Link

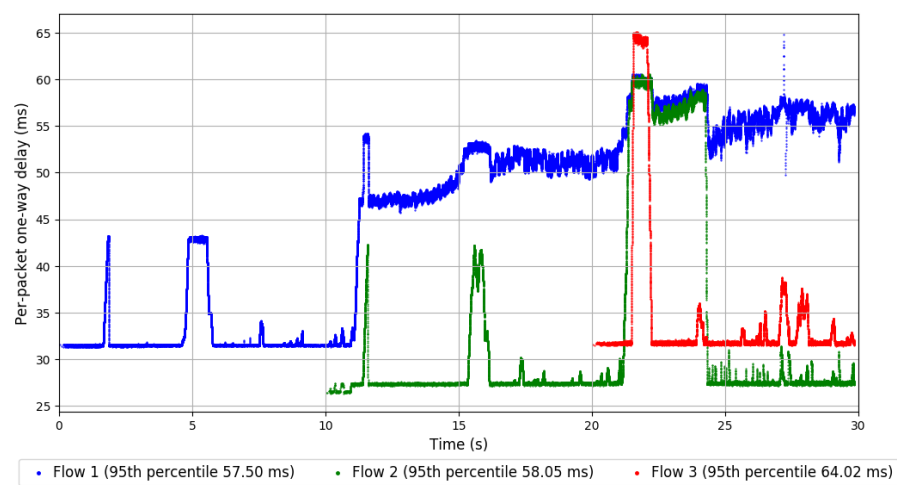
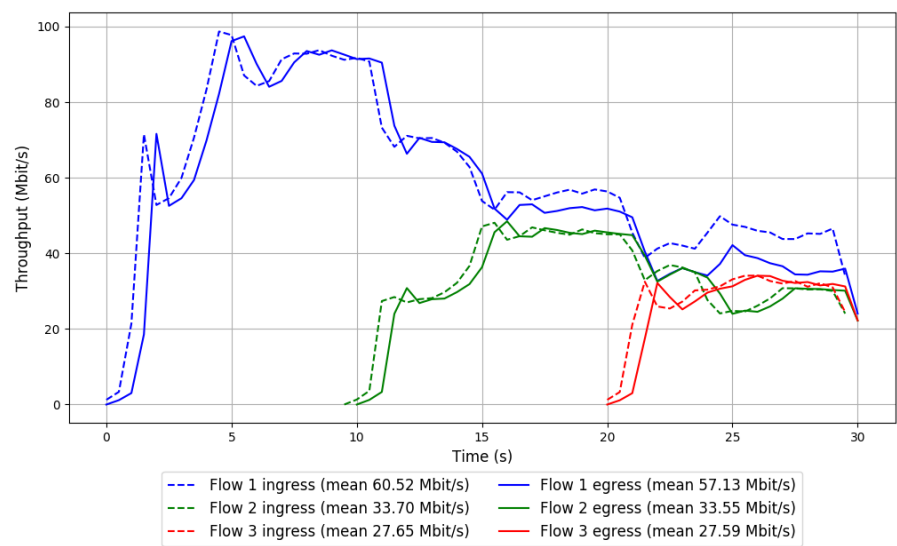


Run 6: Statistics of PCC-Vivace

Start at: 2018-05-22 17:30:50
End at: 2018-05-22 17:31:20
Local clock offset: 1.542 ms
Remote clock offset: -10.643 ms

Below is generated by plot.py at 2018-05-22 19:22:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.51 Mbit/s
95th percentile per-packet one-way delay: 57.649 ms
Loss rate: 4.07%
-- Flow 1:
Average throughput: 57.13 Mbit/s
95th percentile per-packet one-way delay: 57.497 ms
Loss rate: 5.80%
-- Flow 2:
Average throughput: 33.55 Mbit/s
95th percentile per-packet one-way delay: 58.053 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 27.59 Mbit/s
95th percentile per-packet one-way delay: 64.022 ms
Loss rate: 0.84%

Run 6: Report of PCC-Vivace — Data Link

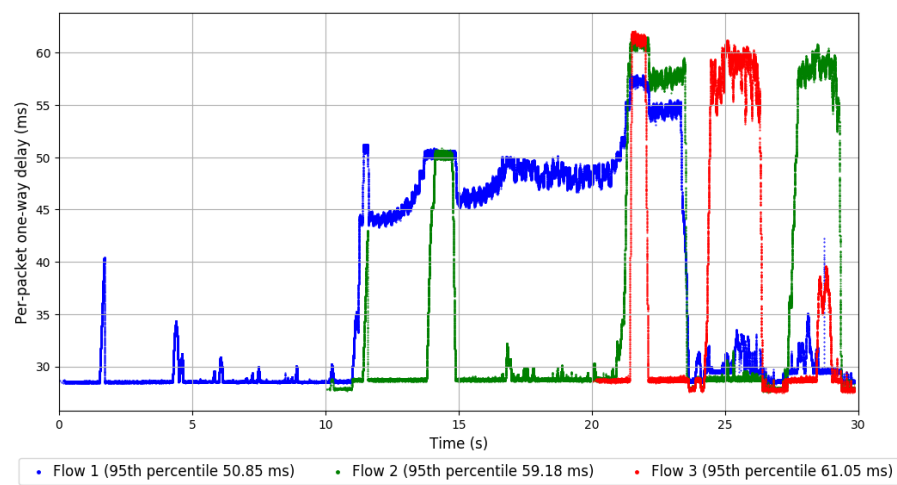
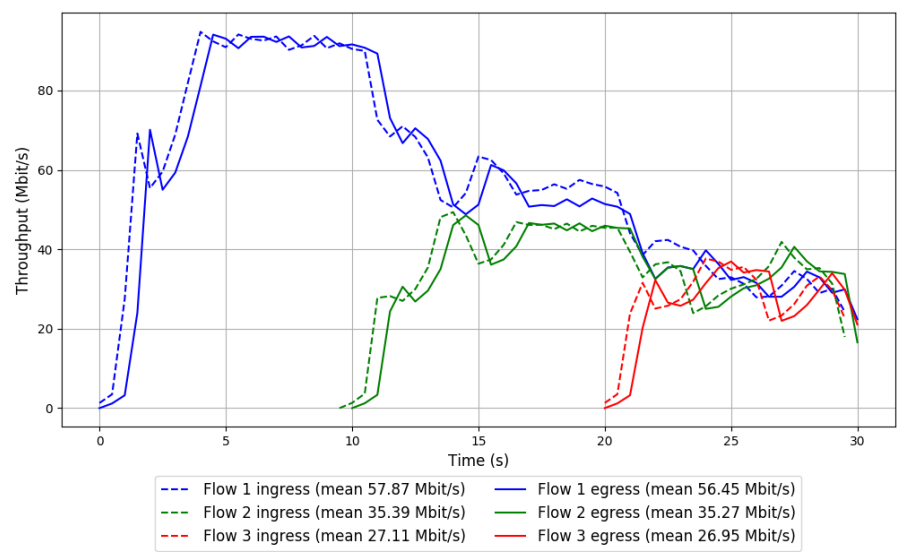


Run 7: Statistics of PCC-Vivace

Start at: 2018-05-22 17:52:18
End at: 2018-05-22 17:52:48
Local clock offset: 1.41 ms
Remote clock offset: -15.656 ms

Below is generated by plot.py at 2018-05-22 19:22:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.78 Mbit/s
95th percentile per-packet one-way delay: 57.934 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 56.45 Mbit/s
95th percentile per-packet one-way delay: 50.852 ms
Loss rate: 2.65%
-- Flow 2:
Average throughput: 35.27 Mbit/s
95th percentile per-packet one-way delay: 59.179 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 26.95 Mbit/s
95th percentile per-packet one-way delay: 61.048 ms
Loss rate: 1.17%

Run 7: Report of PCC-Vivace — Data Link

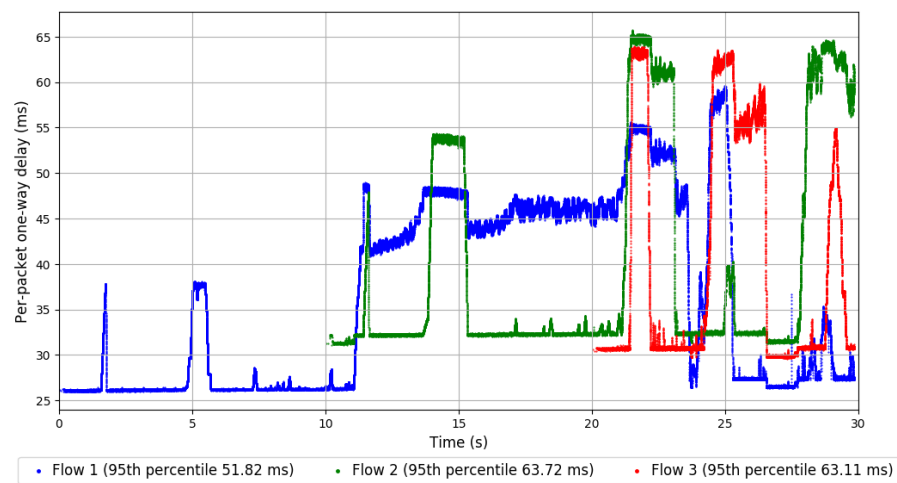
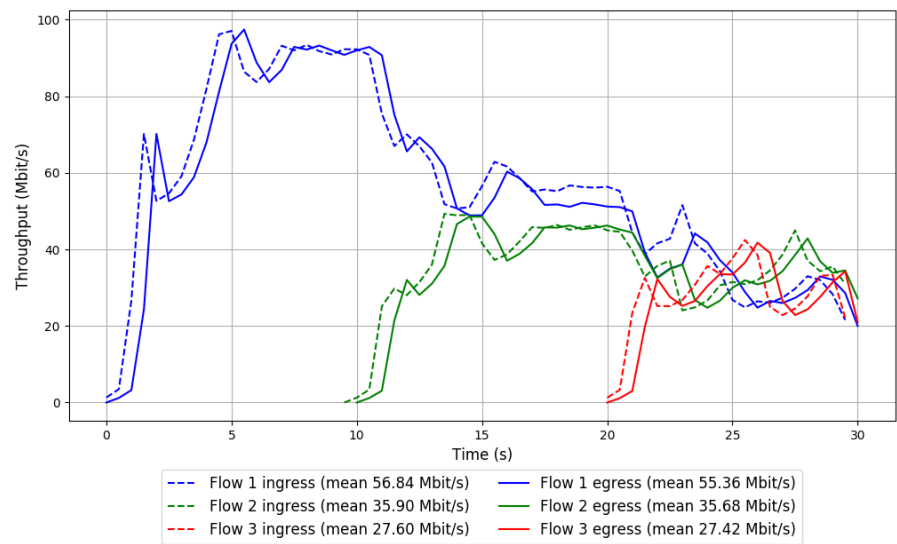


Run 8: Statistics of PCC-Vivace

Start at: 2018-05-22 18:13:37
End at: 2018-05-22 18:14:07
Local clock offset: 1.427 ms
Remote clock offset: -2.316 ms

Below is generated by plot.py at 2018-05-22 19:23:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.09 Mbit/s
95th percentile per-packet one-way delay: 61.051 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 55.36 Mbit/s
95th percentile per-packet one-way delay: 51.824 ms
Loss rate: 2.80%
-- Flow 2:
Average throughput: 35.68 Mbit/s
95th percentile per-packet one-way delay: 63.716 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 27.42 Mbit/s
95th percentile per-packet one-way delay: 63.109 ms
Loss rate: 1.24%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-05-22 18:35:01

End at: 2018-05-22 18:35:31

Local clock offset: 0.991 ms

Remote clock offset: 2.317 ms

Below is generated by plot.py at 2018-05-22 19:23:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.95 Mbit/s

95th percentile per-packet one-way delay: 63.725 ms

Loss rate: 2.99%

-- Flow 1:

Average throughput: 59.81 Mbit/s

95th percentile per-packet one-way delay: 54.225 ms

Loss rate: 3.64%

-- Flow 2:

Average throughput: 32.43 Mbit/s

95th percentile per-packet one-way delay: 73.515 ms

Loss rate: 1.78%

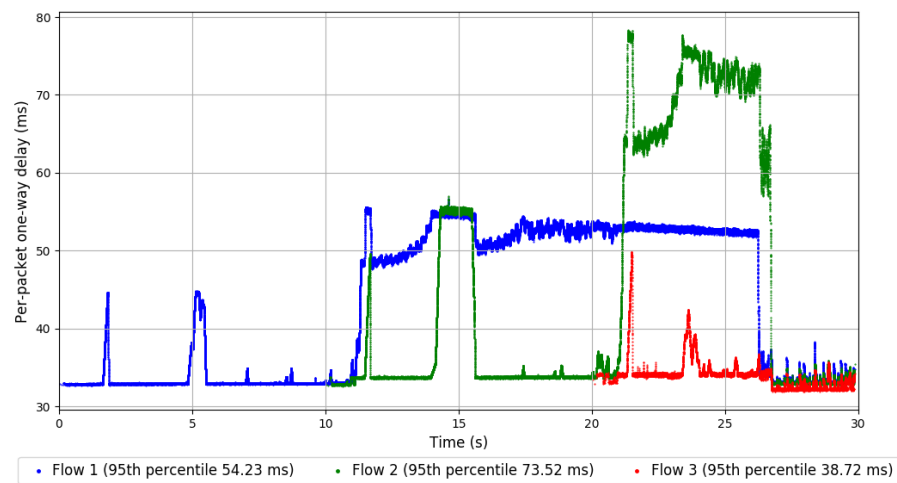
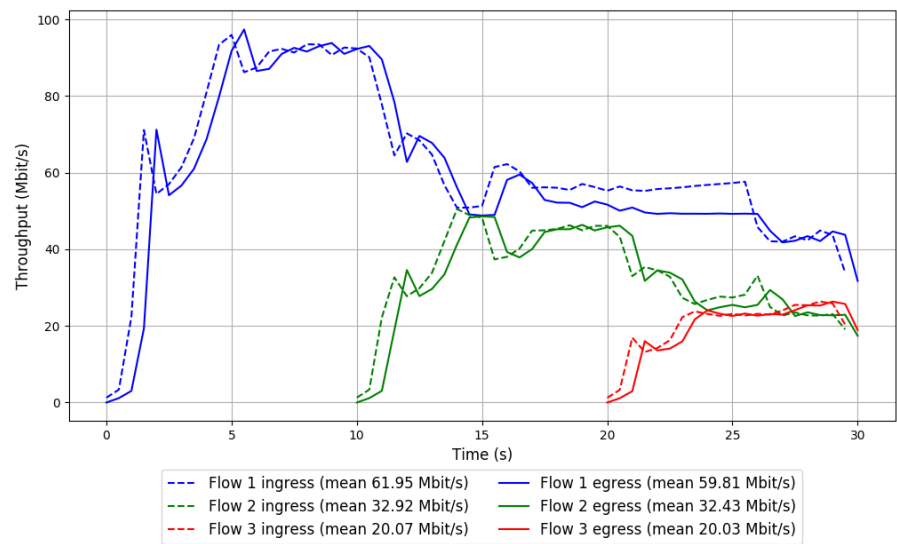
-- Flow 3:

Average throughput: 20.03 Mbit/s

95th percentile per-packet one-way delay: 38.722 ms

Loss rate: 0.84%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-05-22 18:56:35

End at: 2018-05-22 18:57:06

Local clock offset: 0.666 ms

Remote clock offset: 1.68 ms

Below is generated by plot.py at 2018-05-22 19:23:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.25 Mbit/s

95th percentile per-packet one-way delay: 56.525 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 60.35 Mbit/s

95th percentile per-packet one-way delay: 58.157 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 21.84 Mbit/s

95th percentile per-packet one-way delay: 60.196 ms

Loss rate: 0.52%

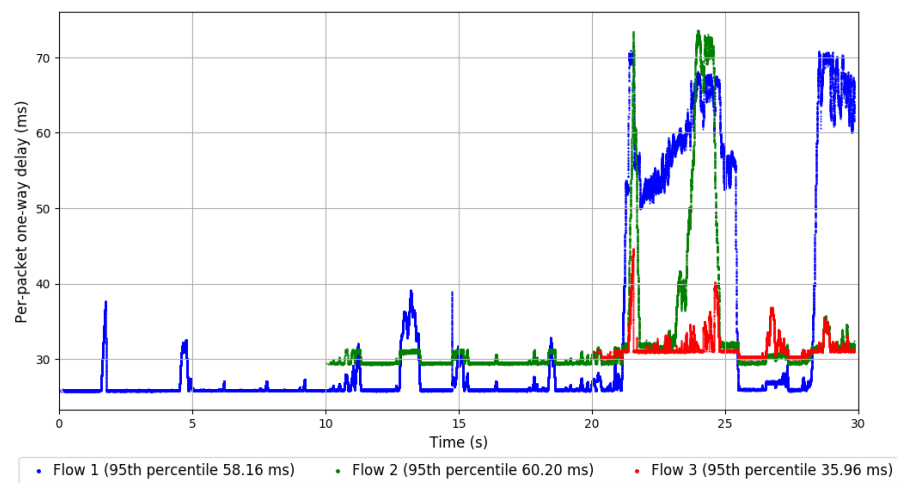
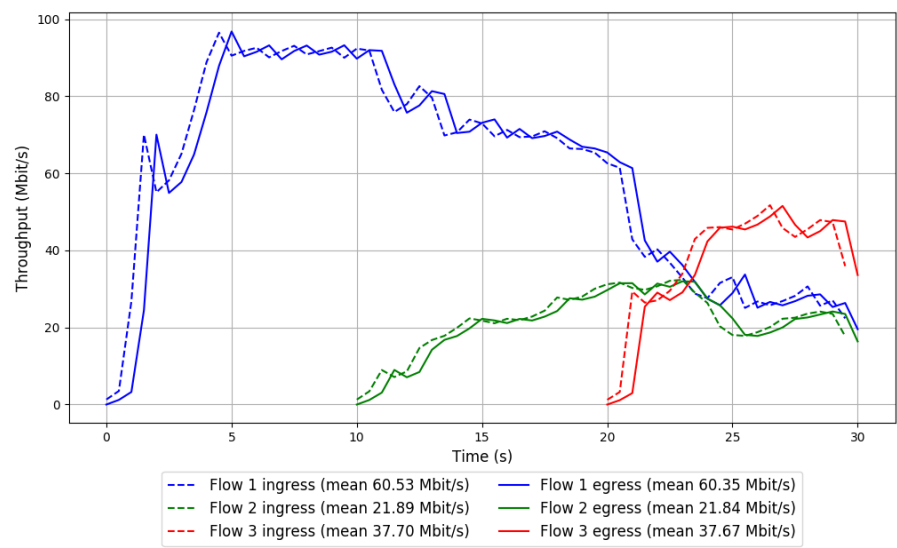
-- Flow 3:

Average throughput: 37.67 Mbit/s

95th percentile per-packet one-way delay: 35.964 ms

Loss rate: 0.72%

Run 10: Report of PCC-Vivace — Data Link

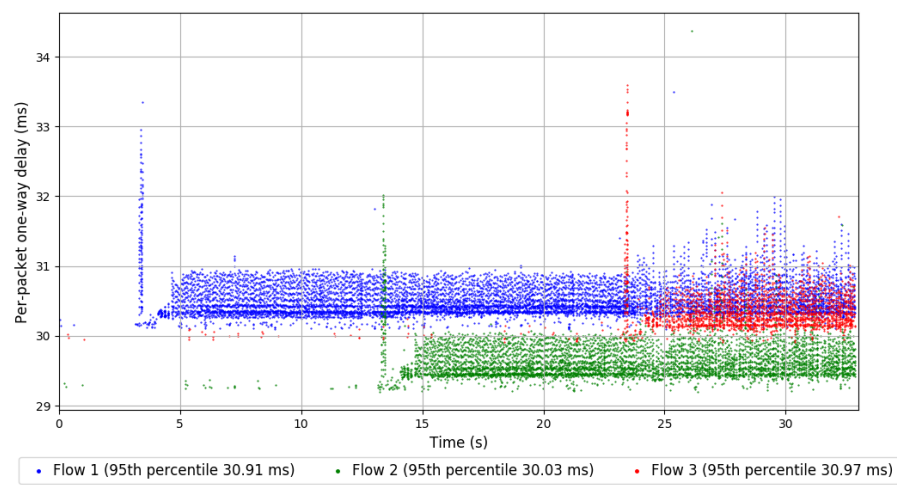
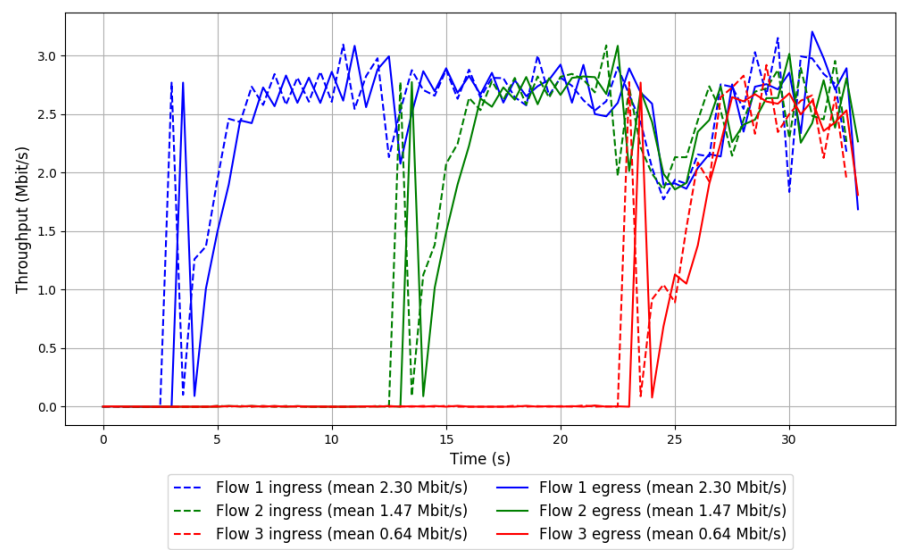


Run 1: Statistics of WebRTC media

Start at: 2018-05-22 15:38:46
End at: 2018-05-22 15:39:16
Local clock offset: 1.312 ms
Remote clock offset: -0.373 ms

Below is generated by plot.py at 2018-05-22 19:23:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 30.869 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 30.912 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 30.031 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 30.974 ms
Loss rate: 0.60%

Run 1: Report of WebRTC media — Data Link

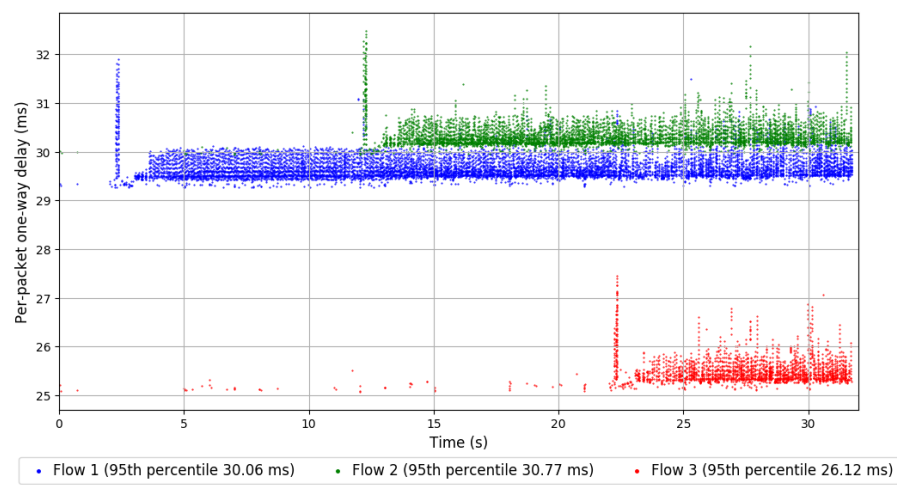
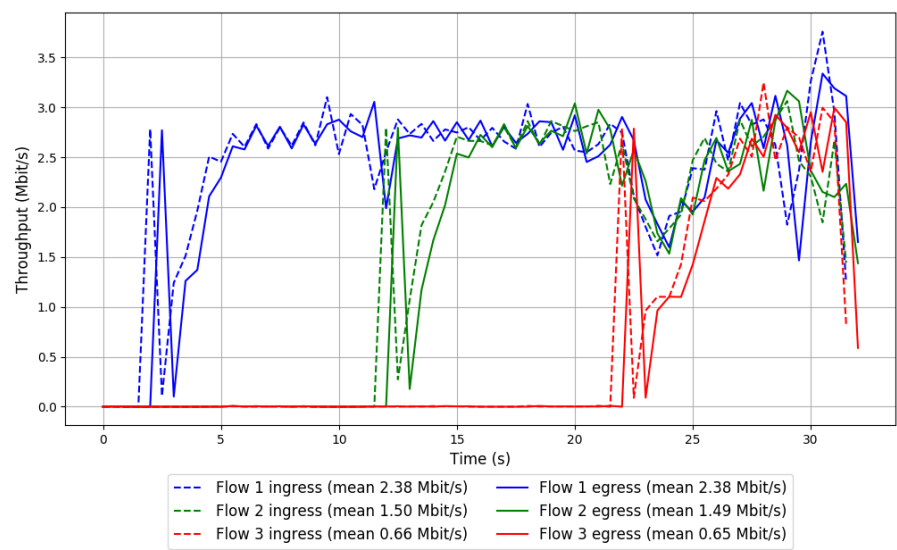


Run 2: Statistics of WebRTC media

Start at: 2018-05-22 16:00:01
End at: 2018-05-22 16:00:31
Local clock offset: 1.351 ms
Remote clock offset: -0.176 ms

Below is generated by plot.py at 2018-05-22 19:23:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.53 Mbit/s
95th percentile per-packet one-way delay: 30.588 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 30.064 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 30.774 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 26.116 ms
Loss rate: 0.57%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-05-22 16:21:24

End at: 2018-05-22 16:21:54

Local clock offset: 0.934 ms

Remote clock offset: 0.525 ms

Below is generated by plot.py at 2018-05-22 19:23:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.38 Mbit/s

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

Loss rate: 0.33%

-- Flow 1:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 26.569 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 1.47 Mbit/s

95th percentile per-packet one-way delay: 25.934 ms

Loss rate: 0.40%

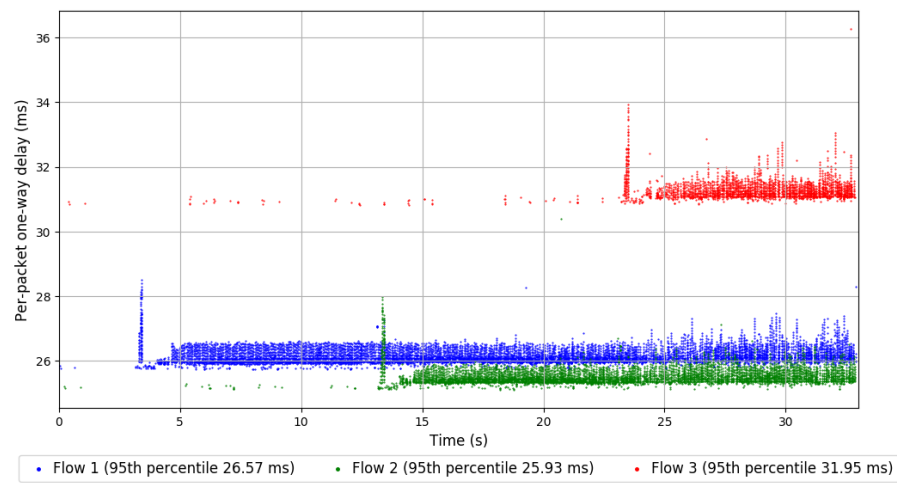
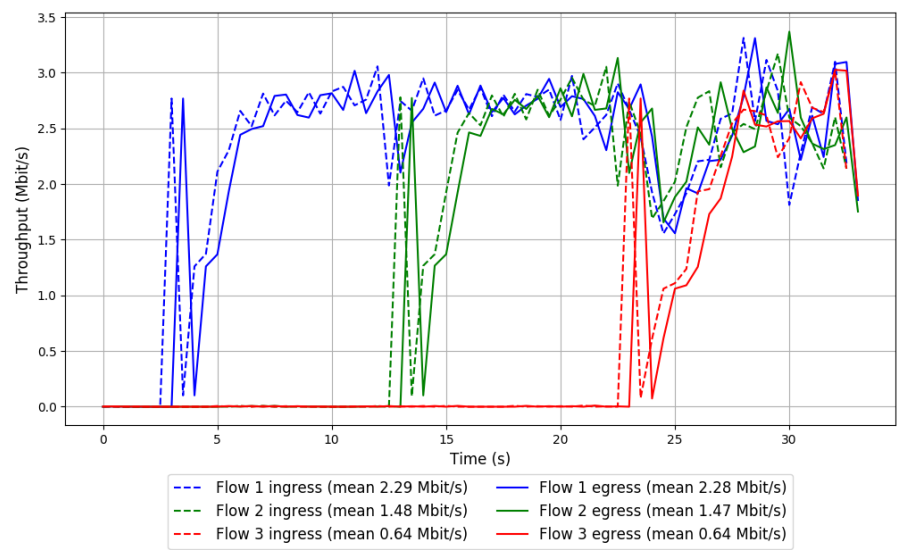
-- Flow 3:

Average throughput: 0.64 Mbit/s

95th percentile per-packet one-way delay: 31.947 ms

Loss rate: 0.55%

Run 3: Report of WebRTC media — Data Link

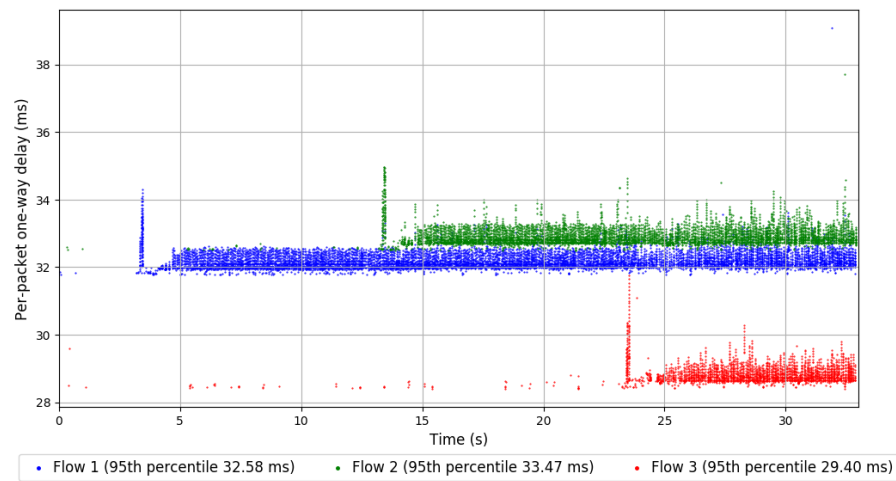
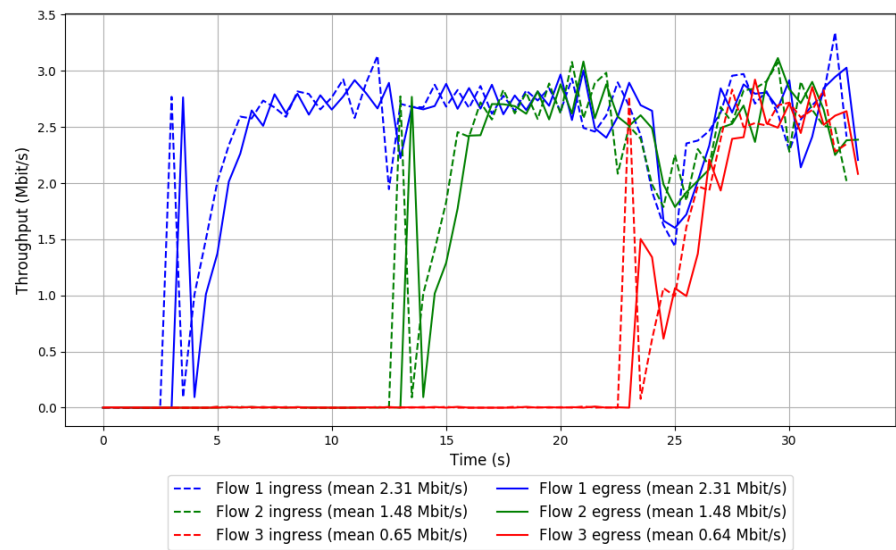


Run 4: Statistics of WebRTC media

Start at: 2018-05-22 16:42:42
End at: 2018-05-22 16:43:12
Local clock offset: 1.173 ms
Remote clock offset: -1.323 ms

```
# Below is generated by plot.py at 2018-05-22 19:23:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 33.196 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 32.582 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 33.474 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 29.397 ms
Loss rate: 0.63%
```

Run 4: Report of WebRTC media — Data Link

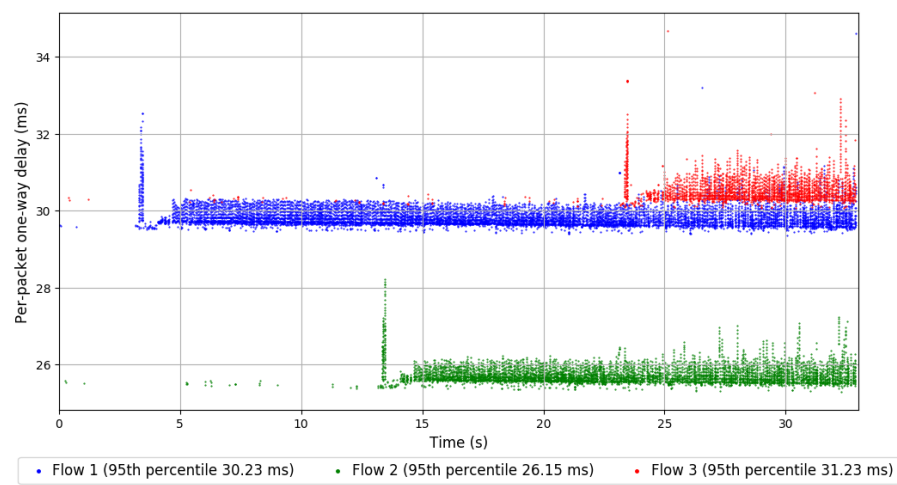
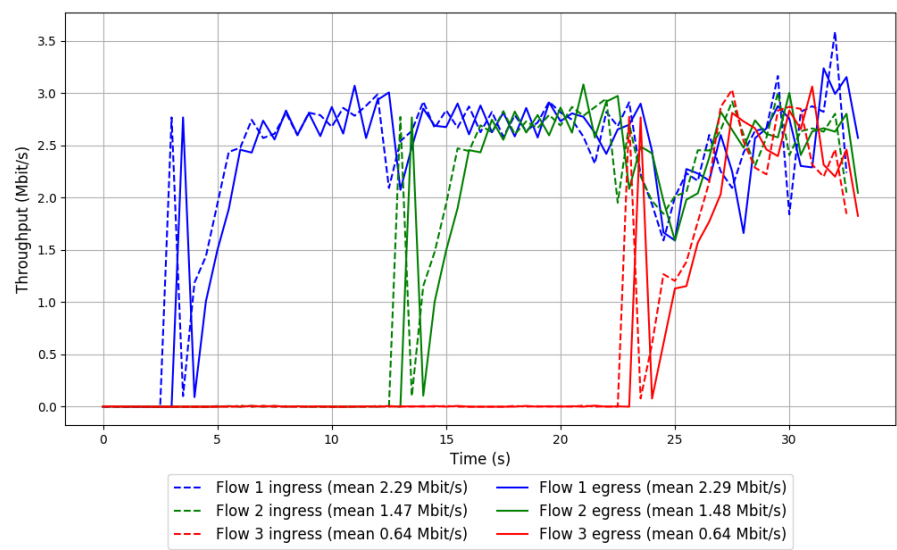


Run 5: Statistics of WebRTC media

Start at: 2018-05-22 17:04:17
End at: 2018-05-22 17:04:47
Local clock offset: 0.96 ms
Remote clock offset: -5.004 ms

Below is generated by plot.py at 2018-05-22 19:23:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 30.669 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 30.233 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 26.148 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 31.226 ms
Loss rate: 0.05%

Run 5: Report of WebRTC media — Data Link

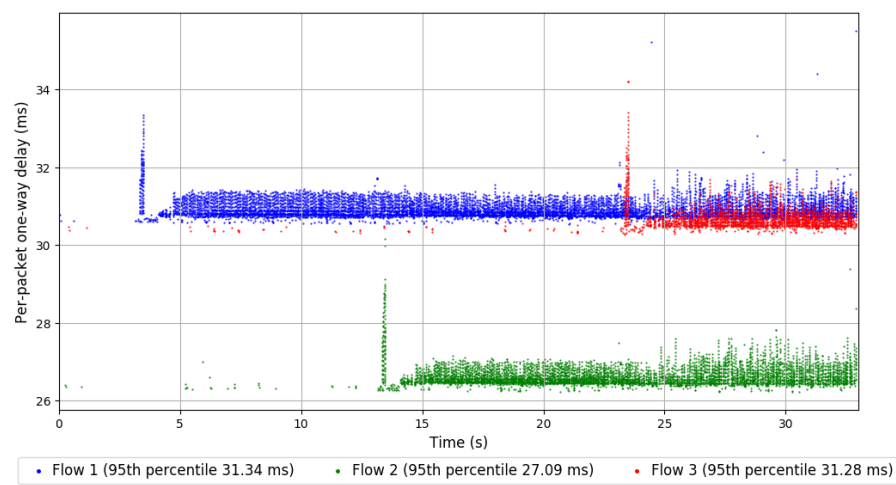
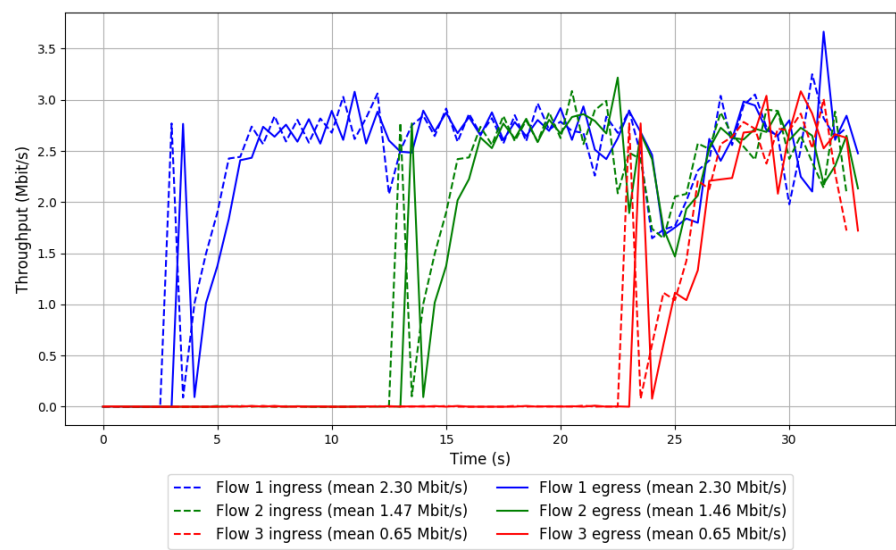


Run 6: Statistics of WebRTC media

Start at: 2018-05-22 17:25:36
End at: 2018-05-22 17:26:06
Local clock offset: 1.613 ms
Remote clock offset: -9.828 ms

Below is generated by plot.py at 2018-05-22 19:23:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 31.273 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 31.335 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 27.089 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 31.283 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

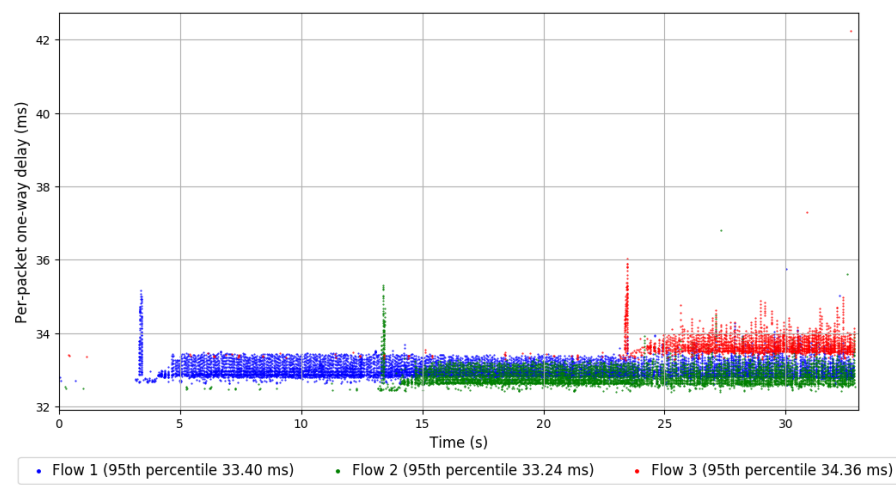
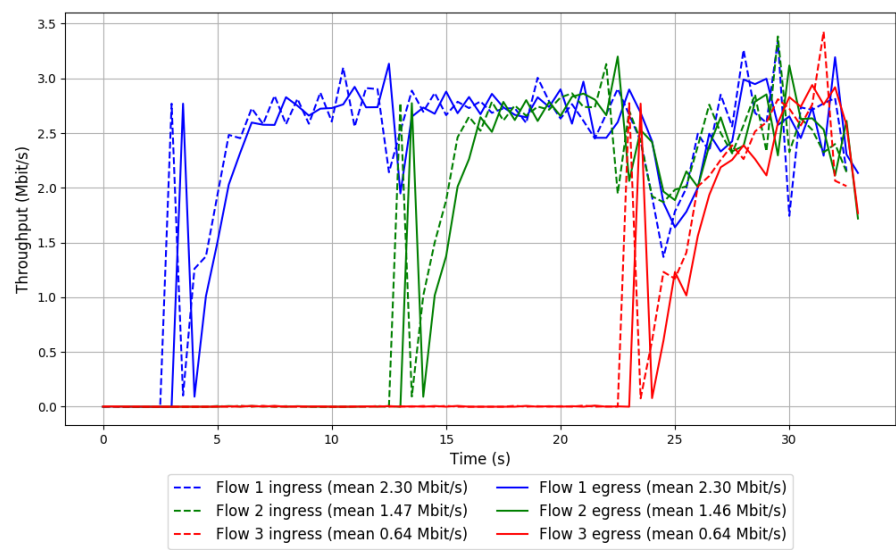


Run 7: Statistics of WebRTC media

Start at: 2018-05-22 17:47:05
End at: 2018-05-22 17:47:35
Local clock offset: 1.336 ms
Remote clock offset: -15.049 ms

Below is generated by plot.py at 2018-05-22 19:23:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.38 Mbit/s
95th percentile per-packet one-way delay: 33.820 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 33.404 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 33.244 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 34.362 ms
Loss rate: 0.59%

Run 7: Report of WebRTC media — Data Link

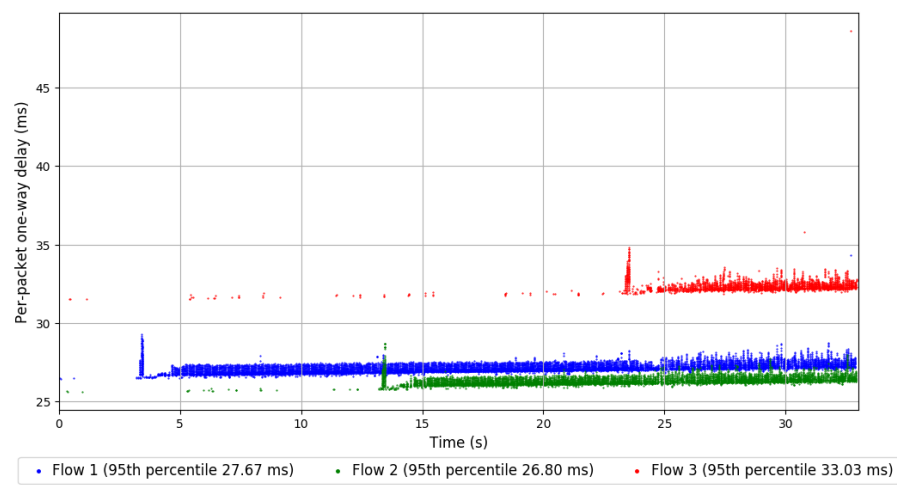
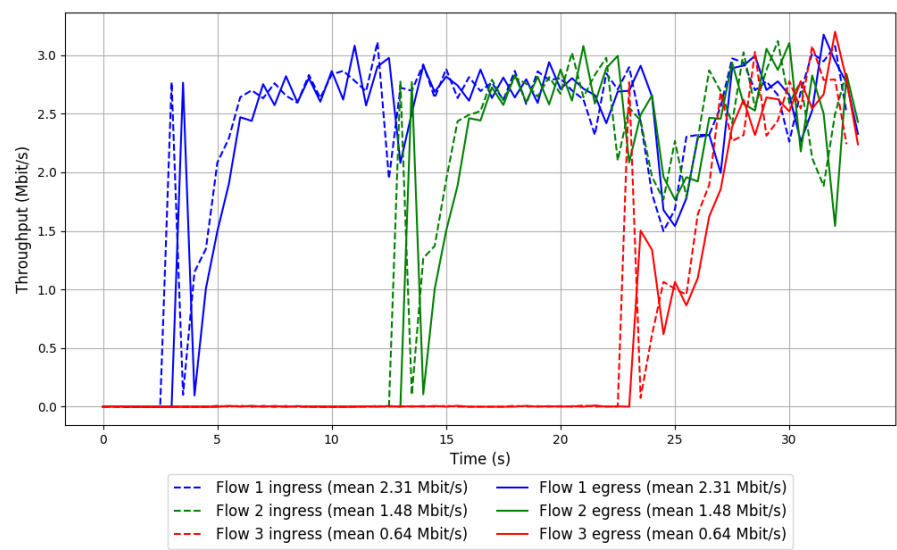


Run 8: Statistics of WebRTC media

Start at: 2018-05-22 18:08:21
End at: 2018-05-22 18:08:51
Local clock offset: 1.45 ms
Remote clock offset: -6.925 ms

Below is generated by plot.py at 2018-05-22 19:23:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 32.420 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 27.667 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 26.799 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 33.030 ms
Loss rate: 0.01%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-05-22 18:29:47

End at: 2018-05-22 18:30:17

Local clock offset: 1.211 ms

Remote clock offset: 3.554 ms

Below is generated by plot.py at 2018-05-22 19:23:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.40 Mbit/s

95th percentile per-packet one-way delay: 31.834 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 31.235 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 1.48 Mbit/s

95th percentile per-packet one-way delay: 32.049 ms

Loss rate: 0.45%

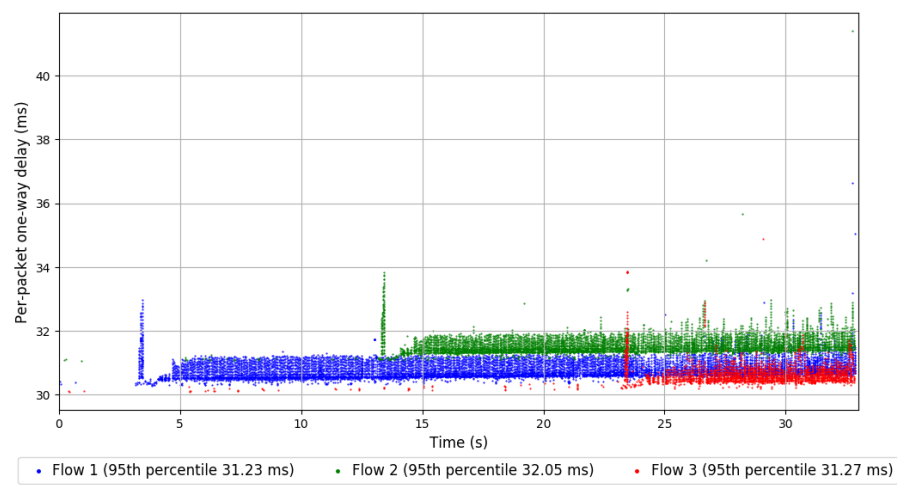
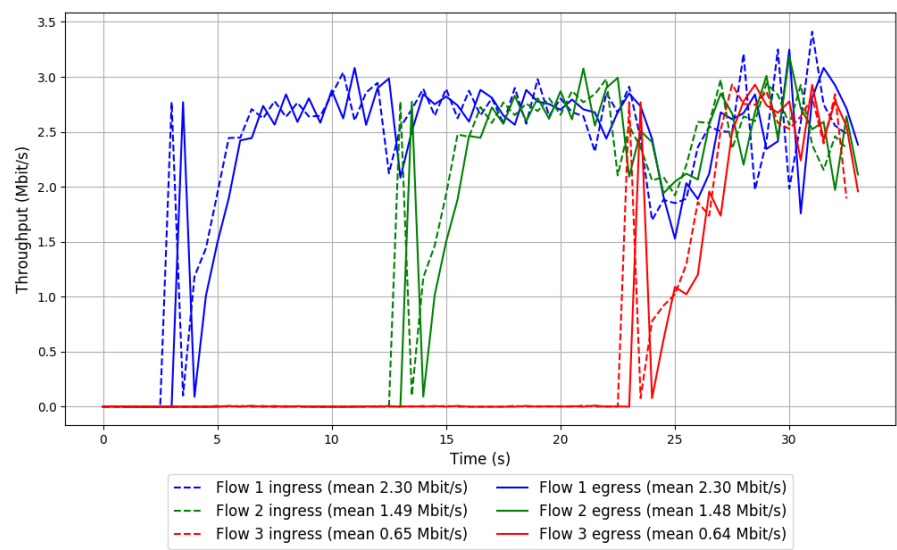
-- Flow 3:

Average throughput: 0.64 Mbit/s

95th percentile per-packet one-way delay: 31.269 ms

Loss rate: 0.54%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-22 18:51:21
End at: 2018-05-22 18:51:51
Local clock offset: 0.591 ms
Remote clock offset: -0.786 ms

Below is generated by plot.py at 2018-05-22 19:23:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 33.271 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 33.355 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 29.075 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 28.350 ms
Loss rate: 0.57%

Run 10: Report of WebRTC media — Data Link

