

Pantheon Report

Generated at 2018-07-18 13:03:18 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

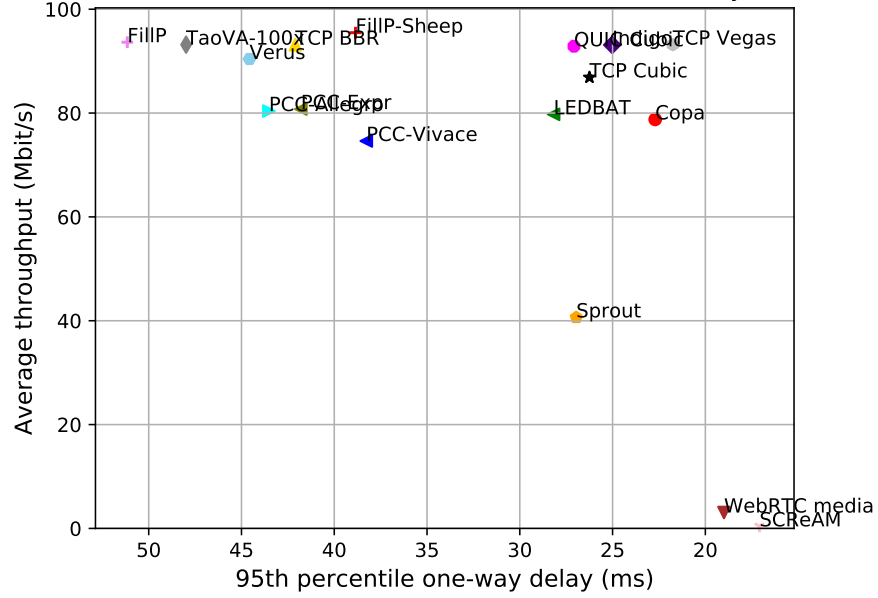
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `nets.org.sg` and have been applied to correct the timestamps in logs.

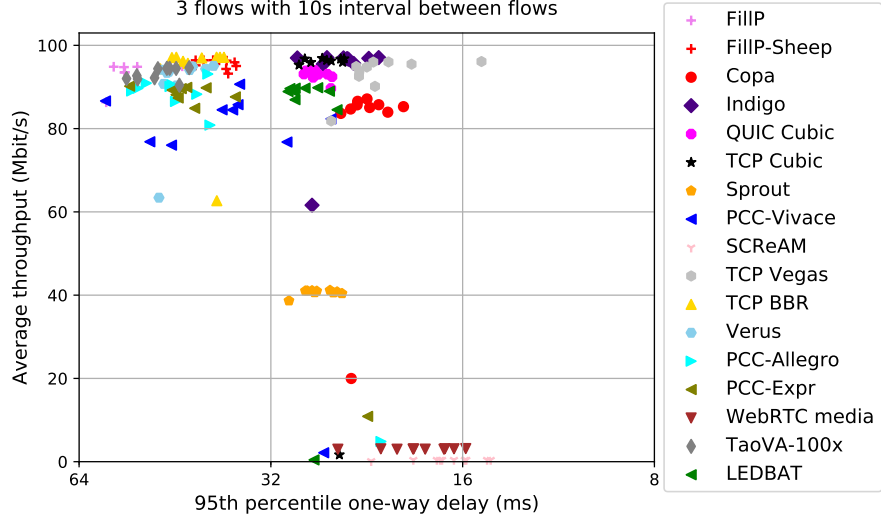
Git summary:

```
branch: master @ f7befc2d8410f41949e0ad8143a9aab40bab7edb
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



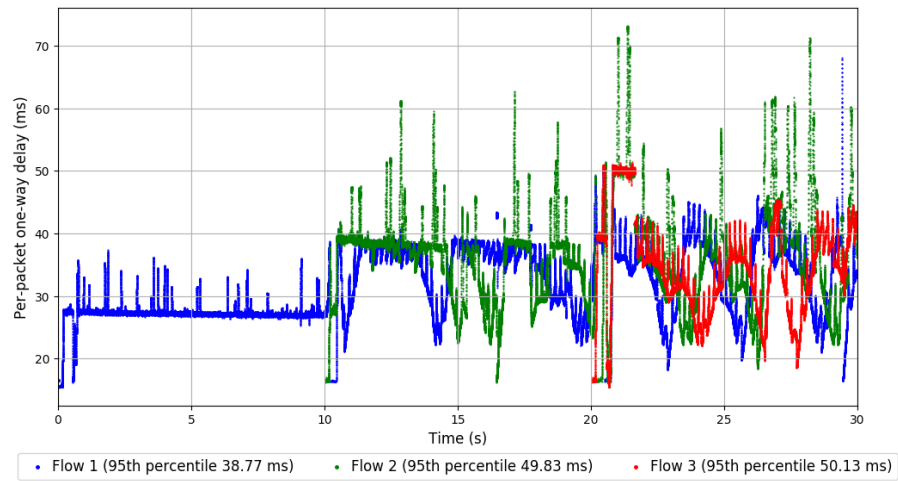
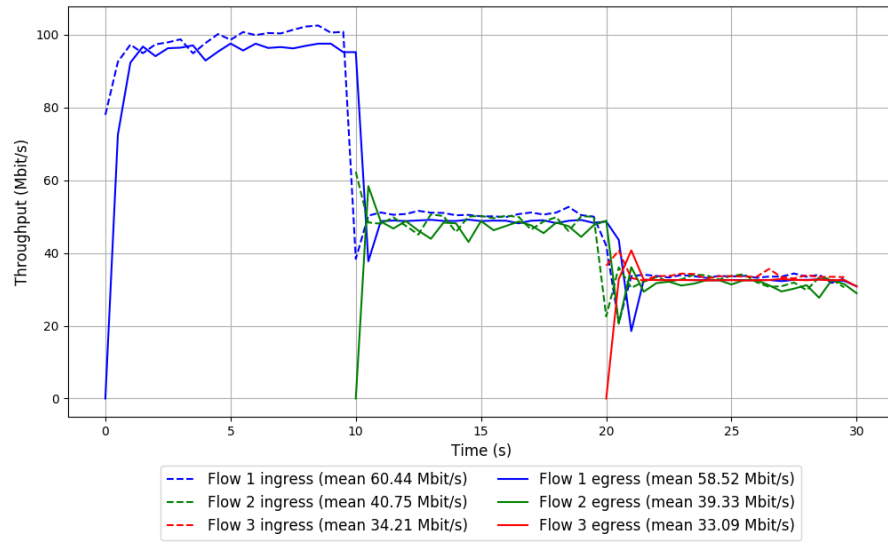
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	58.45	35.23	34.40	40.12	44.15	47.61	4.79	5.30	5.19
Copa	10	48.51	32.62	25.76	22.52	23.04	22.57	1.60	1.57	1.83
TCP Cubic	10	53.92	35.11	28.84	26.04	26.44	27.51	1.47	1.58	1.94
FillP	10	56.70	37.10	37.02	50.48	50.39	44.04	1.99	4.48	5.43
FillP-Sheep	10	58.76	38.59	33.36	38.03	40.63	43.58	1.39	1.54	0.95
Indigo	10	57.25	38.86	30.60	22.45	24.07	27.25	1.48	1.54	2.42
LEDBAT	10	47.57	34.71	27.37	27.59	28.74	29.84	2.11	1.75	1.97
PCC-Allegro	10	52.66	32.85	17.89	39.38	43.77	30.73	5.04	4.21	2.44
PCC-Expr	10	50.67	32.27	26.23	40.63	42.09	40.85	1.79	2.01	1.98
QUIC Cubic	10	56.33	38.50	33.14	26.81	27.48	30.99	0.10	0.19	0.44
SCReAM	10	0.20	0.20	0.21	17.09	17.07	17.05	2.03	2.02	1.92
Sprout	10	20.62	20.30	19.78	26.10	27.25	28.47	0.10	0.20	0.24
TaoVA-100x	10	56.59	40.81	28.48	45.64	45.26	49.21	0.63	0.99	2.11
TCP Vegas	10	57.04	38.06	32.54	21.26	21.54	22.04	0.05	0.10	0.27
Verus	10	54.59	39.31	29.11	41.91	47.68	52.69	1.58	1.80	2.29
PCC-Vivace	10	49.87	26.88	20.85	35.27	44.31	32.18	2.55	2.49	2.34
WebRTC media	10	1.55	1.06	0.46	18.89	18.99	19.22	0.95	1.03	0.46

Run 1: Statistics of TCP BBR

Start at: 2018-07-18 09:13:07
End at: 2018-07-18 09:13:37
Local clock offset: -0.498 ms
Remote clock offset: -3.433 ms

Below is generated by plot.py at 2018-07-18 12:41:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.69 Mbit/s
95th percentile per-packet one-way delay: 43.201 ms
Loss rate: 3.38%
-- Flow 1:
Average throughput: 58.52 Mbit/s
95th percentile per-packet one-way delay: 38.770 ms
Loss rate: 3.25%
-- Flow 2:
Average throughput: 39.33 Mbit/s
95th percentile per-packet one-way delay: 49.834 ms
Loss rate: 3.61%
-- Flow 3:
Average throughput: 33.09 Mbit/s
95th percentile per-packet one-way delay: 50.128 ms
Loss rate: 3.51%

Run 1: Report of TCP BBR — Data Link

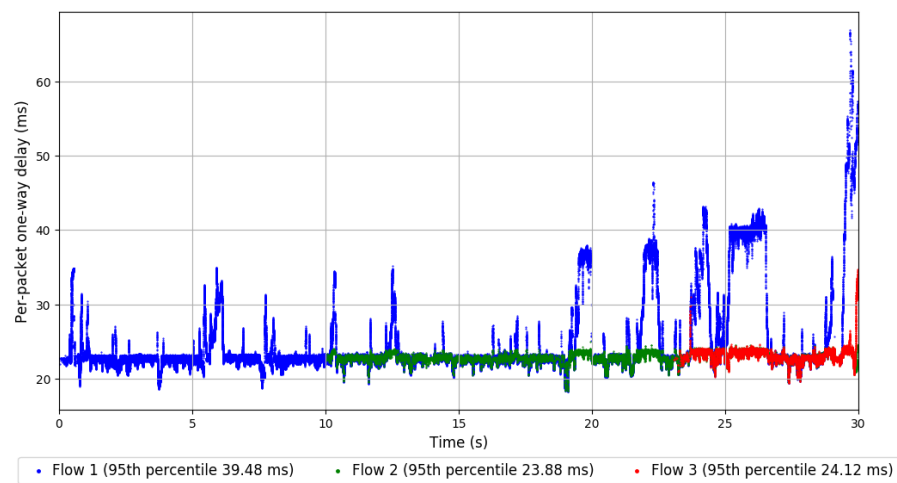
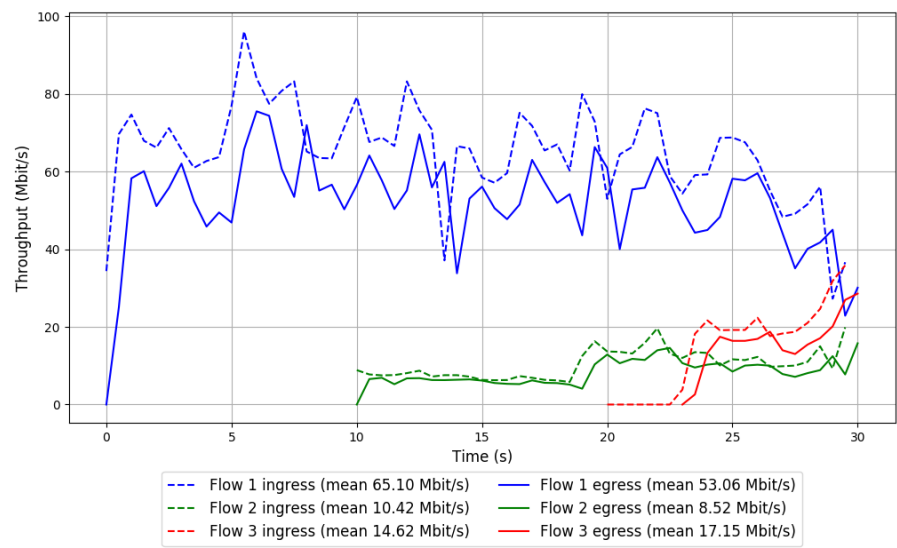


Run 2: Statistics of TCP BBR

Start at: 2018-07-18 09:36:11
End at: 2018-07-18 09:36:41
Local clock offset: -1.054 ms
Remote clock offset: -4.138 ms

Below is generated by plot.py at 2018-07-18 12:41:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.69 Mbit/s
95th percentile per-packet one-way delay: 38.903 ms
Loss rate: 18.59%
-- Flow 1:
Average throughput: 53.06 Mbit/s
95th percentile per-packet one-way delay: 39.478 ms
Loss rate: 18.61%
-- Flow 2:
Average throughput: 8.52 Mbit/s
95th percentile per-packet one-way delay: 23.877 ms
Loss rate: 18.33%
-- Flow 3:
Average throughput: 17.15 Mbit/s
95th percentile per-packet one-way delay: 24.119 ms
Loss rate: 18.74%

Run 2: Report of TCP BBR — Data Link

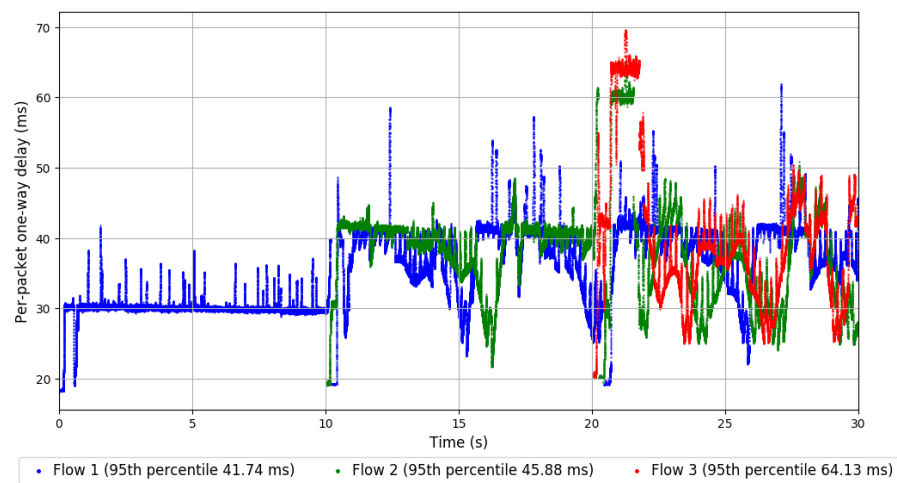
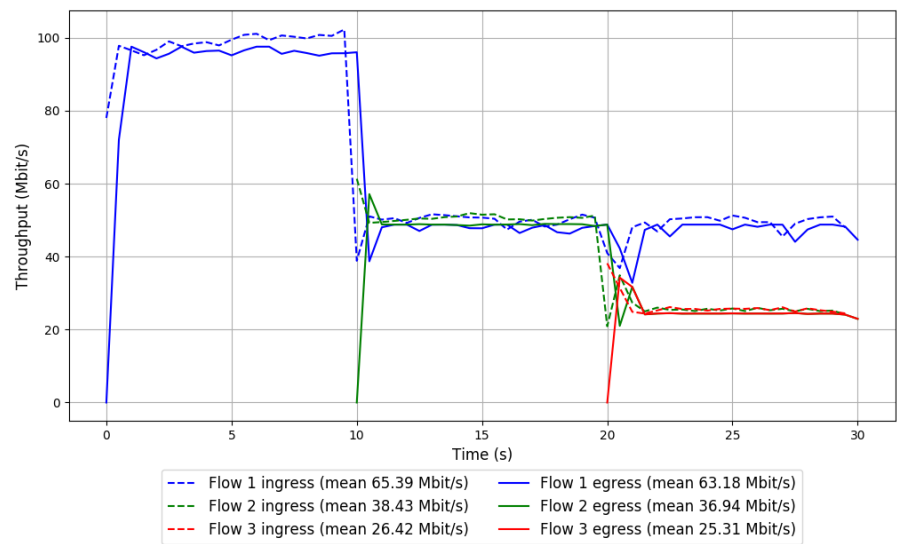


Run 3: Statistics of TCP BBR

Start at: 2018-07-18 10:02:20
End at: 2018-07-18 10:02:50
Local clock offset: 1.911 ms
Remote clock offset: -4.529 ms

Below is generated by plot.py at 2018-07-18 12:41:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.17 Mbit/s
95th percentile per-packet one-way delay: 43.953 ms
Loss rate: 3.71%
-- Flow 1:
Average throughput: 63.18 Mbit/s
95th percentile per-packet one-way delay: 41.737 ms
Loss rate: 3.49%
-- Flow 2:
Average throughput: 36.94 Mbit/s
95th percentile per-packet one-way delay: 45.882 ms
Loss rate: 4.02%
-- Flow 3:
Average throughput: 25.31 Mbit/s
95th percentile per-packet one-way delay: 64.132 ms
Loss rate: 4.45%

Run 3: Report of TCP BBR — Data Link

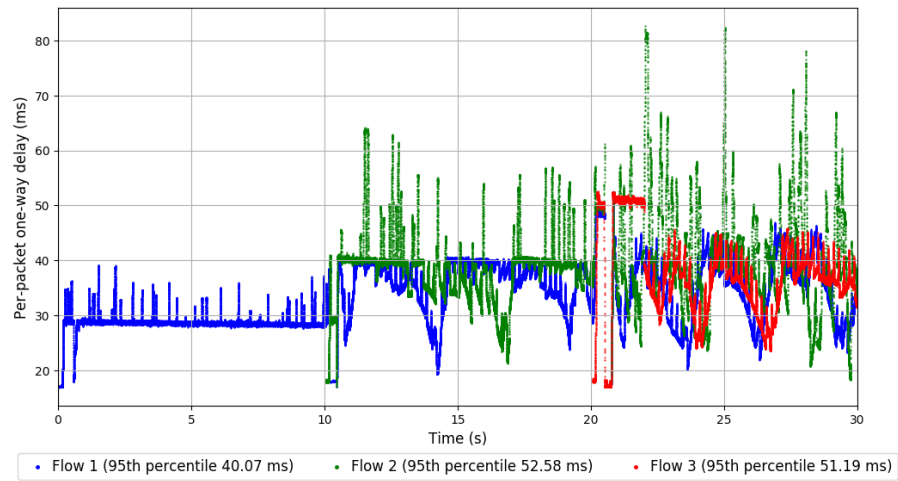
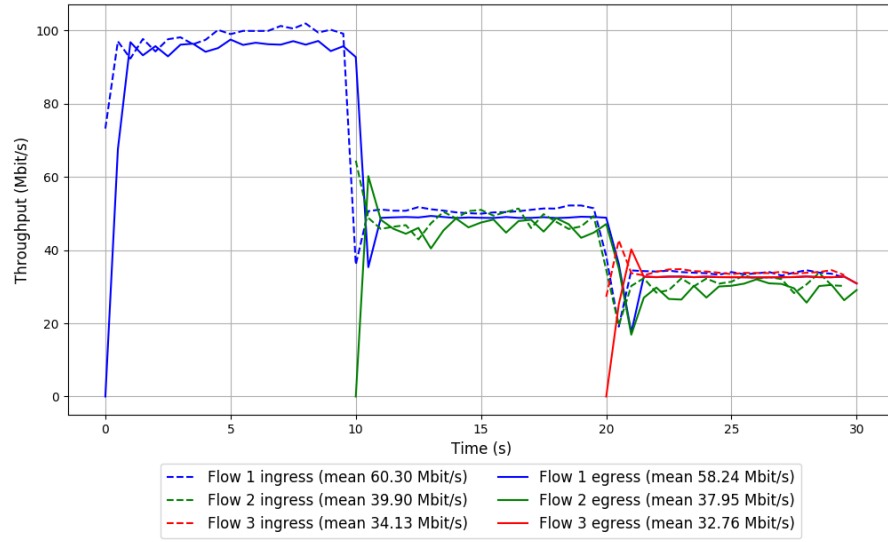


Run 4: Statistics of TCP BBR

Start at: 2018-07-18 10:23:00
End at: 2018-07-18 10:23:30
Local clock offset: -6.852 ms
Remote clock offset: -10.723 ms

Below is generated by plot.py at 2018-07-18 12:41:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.39 Mbit/s
95th percentile per-packet one-way delay: 47.720 ms
Loss rate: 4.00%
-- Flow 1:
Average throughput: 58.24 Mbit/s
95th percentile per-packet one-way delay: 40.070 ms
Loss rate: 3.50%
-- Flow 2:
Average throughput: 37.95 Mbit/s
95th percentile per-packet one-way delay: 52.581 ms
Loss rate: 5.01%
-- Flow 3:
Average throughput: 32.76 Mbit/s
95th percentile per-packet one-way delay: 51.186 ms
Loss rate: 4.26%

Run 4: Report of TCP BBR — Data Link

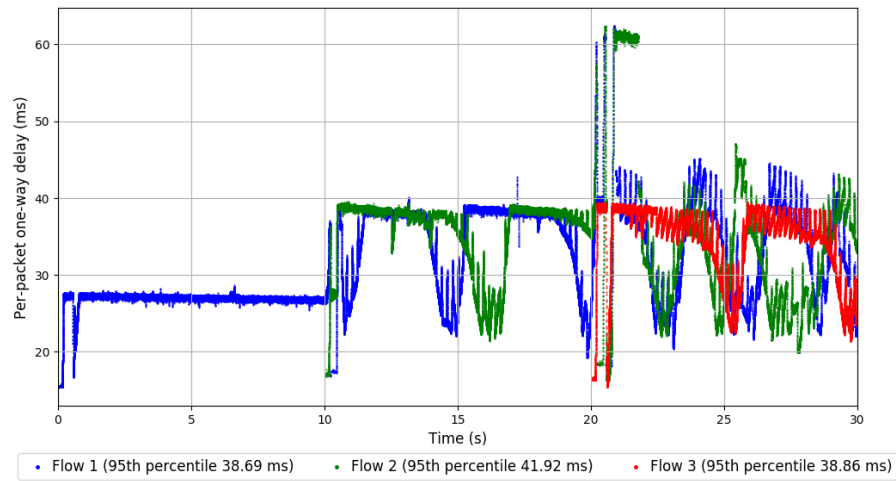
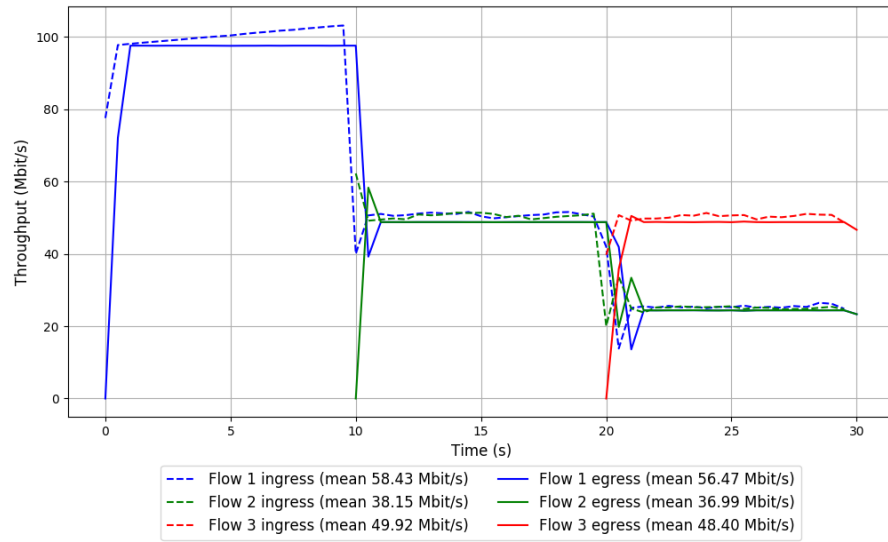


Run 5: Statistics of TCP BBR

Start at: 2018-07-18 10:43:30
End at: 2018-07-18 10:44:00
Local clock offset: -1.34 ms
Remote clock offset: -0.644 ms

Below is generated by plot.py at 2018-07-18 12:41:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 38.939 ms
Loss rate: 3.34%
-- Flow 1:
Average throughput: 56.47 Mbit/s
95th percentile per-packet one-way delay: 38.689 ms
Loss rate: 3.43%
-- Flow 2:
Average throughput: 36.99 Mbit/s
95th percentile per-packet one-way delay: 41.919 ms
Loss rate: 3.16%
-- Flow 3:
Average throughput: 48.40 Mbit/s
95th percentile per-packet one-way delay: 38.864 ms
Loss rate: 3.30%

Run 5: Report of TCP BBR — Data Link

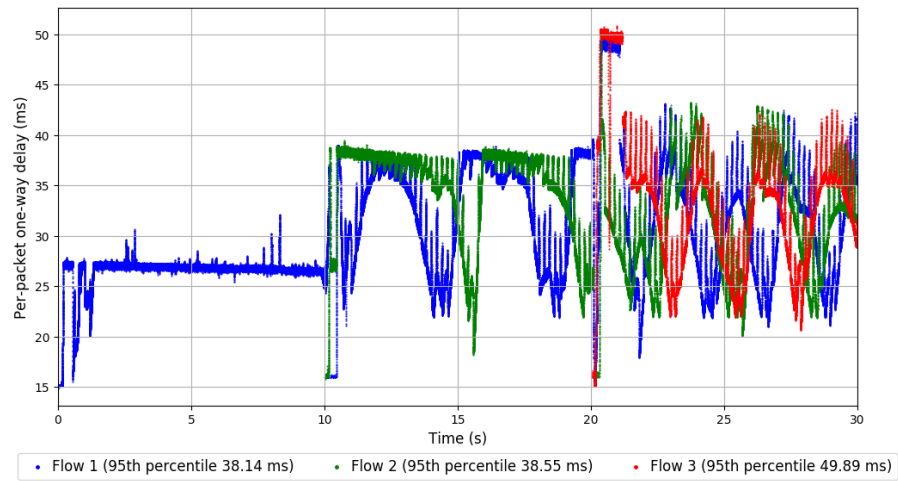
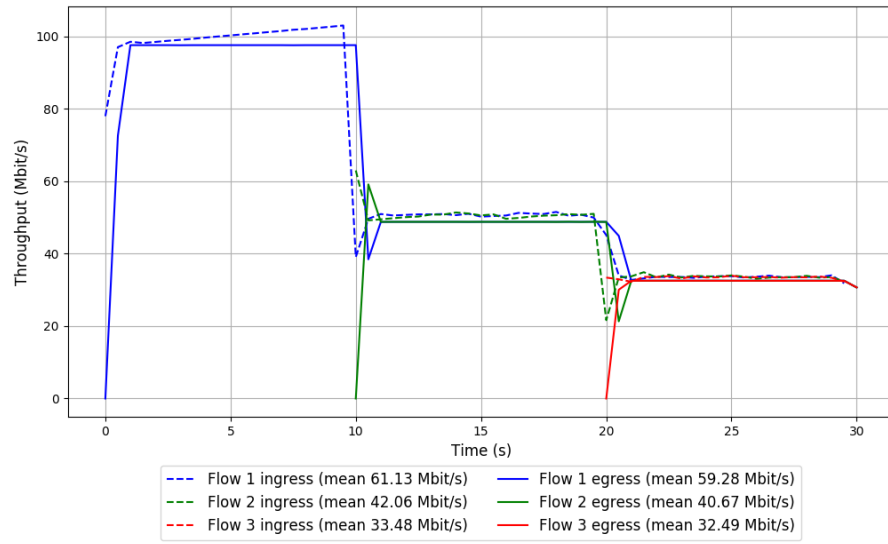


Run 6: Statistics of TCP BBR

Start at: 2018-07-18 11:03:45
End at: 2018-07-18 11:04:15
Local clock offset: -0.251 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-18 12:41:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 38.467 ms
Loss rate: 3.21%
-- Flow 1:
Average throughput: 59.28 Mbit/s
95th percentile per-packet one-way delay: 38.138 ms
Loss rate: 3.11%
-- Flow 2:
Average throughput: 40.67 Mbit/s
95th percentile per-packet one-way delay: 38.549 ms
Loss rate: 3.43%
-- Flow 3:
Average throughput: 32.49 Mbit/s
95th percentile per-packet one-way delay: 49.886 ms
Loss rate: 3.18%

Run 6: Report of TCP BBR — Data Link

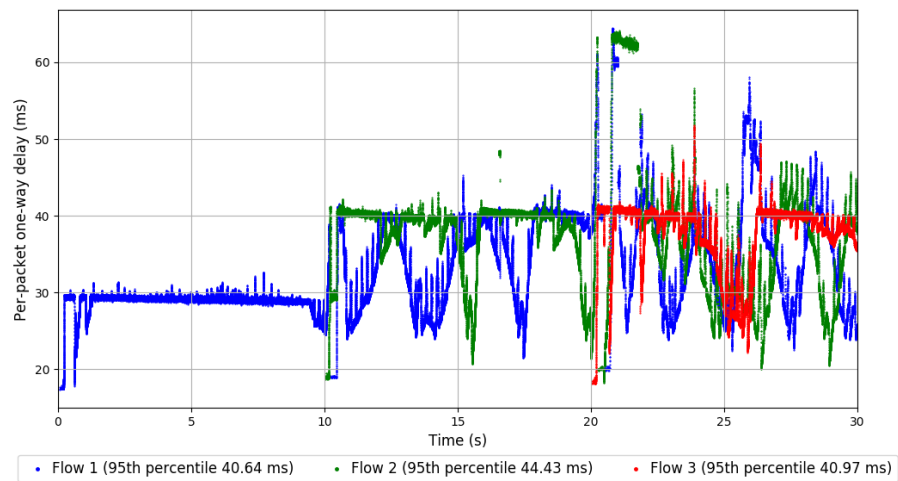
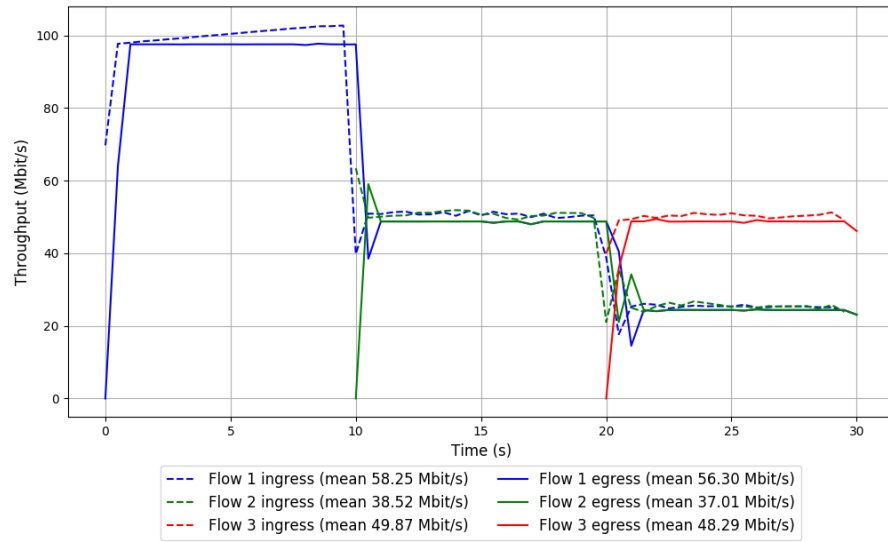


Run 7: Statistics of TCP BBR

Start at: 2018-07-18 11:24:26
End at: 2018-07-18 11:24:56
Local clock offset: 2.503 ms
Remote clock offset: -2.409 ms

Below is generated by plot.py at 2018-07-18 12:41:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.98 Mbit/s
95th percentile per-packet one-way delay: 41.079 ms
Loss rate: 3.58%
-- Flow 1:
Average throughput: 56.30 Mbit/s
95th percentile per-packet one-way delay: 40.641 ms
Loss rate: 3.42%
-- Flow 2:
Average throughput: 37.01 Mbit/s
95th percentile per-packet one-way delay: 44.432 ms
Loss rate: 4.04%
-- Flow 3:
Average throughput: 48.29 Mbit/s
95th percentile per-packet one-way delay: 40.968 ms
Loss rate: 3.41%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-18 11:44:55

End at: 2018-07-18 11:45:25

Local clock offset: 1.237 ms

Remote clock offset: -7.96 ms

Below is generated by plot.py at 2018-07-18 12:41:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.07 Mbit/s

95th percentile per-packet one-way delay: 45.758 ms

Loss rate: 3.25%

-- Flow 1:

Average throughput: 64.00 Mbit/s

95th percentile per-packet one-way delay: 43.588 ms

Loss rate: 3.00%

-- Flow 2:

Average throughput: 37.07 Mbit/s

95th percentile per-packet one-way delay: 52.741 ms

Loss rate: 3.73%

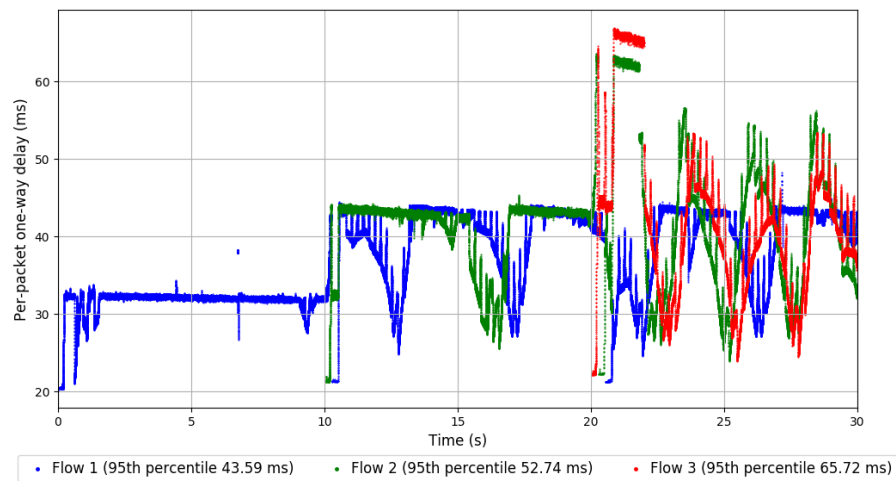
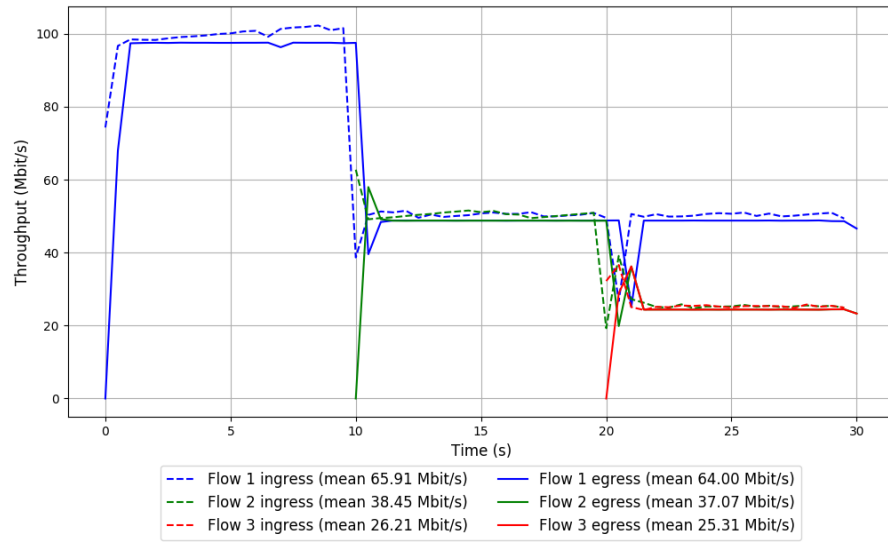
-- Flow 3:

Average throughput: 25.31 Mbit/s

95th percentile per-packet one-way delay: 65.715 ms

Loss rate: 3.71%

Run 8: Report of TCP BBR — Data Link

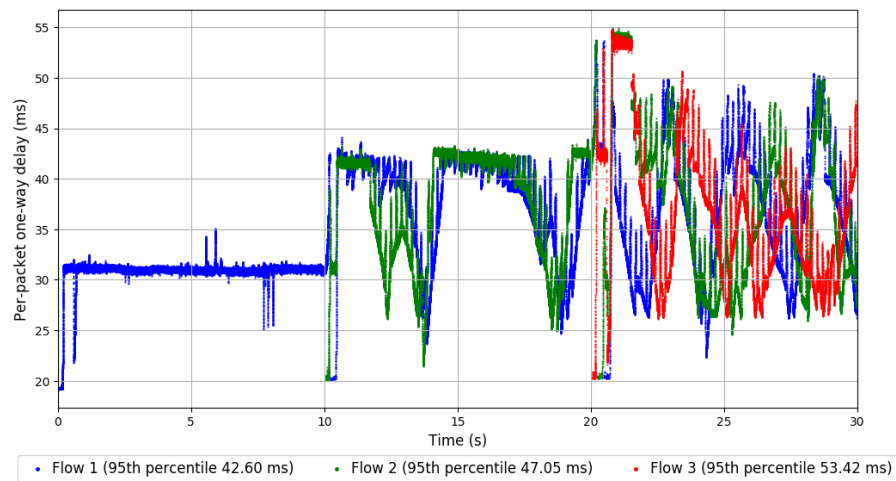
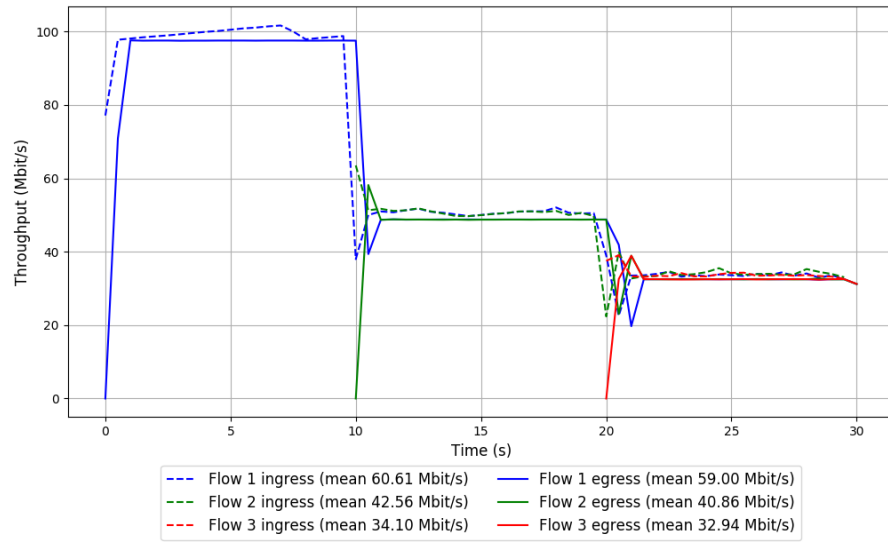


Run 9: Statistics of TCP BBR

Start at: 2018-07-18 12:05:04
End at: 2018-07-18 12:05:34
Local clock offset: -0.076 ms
Remote clock offset: -4.473 ms

Below is generated by plot.py at 2018-07-18 12:41:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 45.035 ms
Loss rate: 3.23%
-- Flow 1:
Average throughput: 59.00 Mbit/s
95th percentile per-packet one-way delay: 42.596 ms
Loss rate: 2.73%
-- Flow 2:
Average throughput: 40.86 Mbit/s
95th percentile per-packet one-way delay: 47.050 ms
Loss rate: 4.12%
-- Flow 3:
Average throughput: 32.94 Mbit/s
95th percentile per-packet one-way delay: 53.418 ms
Loss rate: 3.66%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-18 12:25:34

End at: 2018-07-18 12:26:04

Local clock offset: -2.362 ms

Remote clock offset: 2.037 ms

Below is generated by plot.py at 2018-07-18 12:42:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.14 Mbit/s

95th percentile per-packet one-way delay: 37.915 ms

Loss rate: 3.49%

-- Flow 1:

Average throughput: 56.50 Mbit/s

95th percentile per-packet one-way delay: 37.489 ms

Loss rate: 3.40%

-- Flow 2:

Average throughput: 36.98 Mbit/s

95th percentile per-packet one-way delay: 44.613 ms

Loss rate: 3.60%

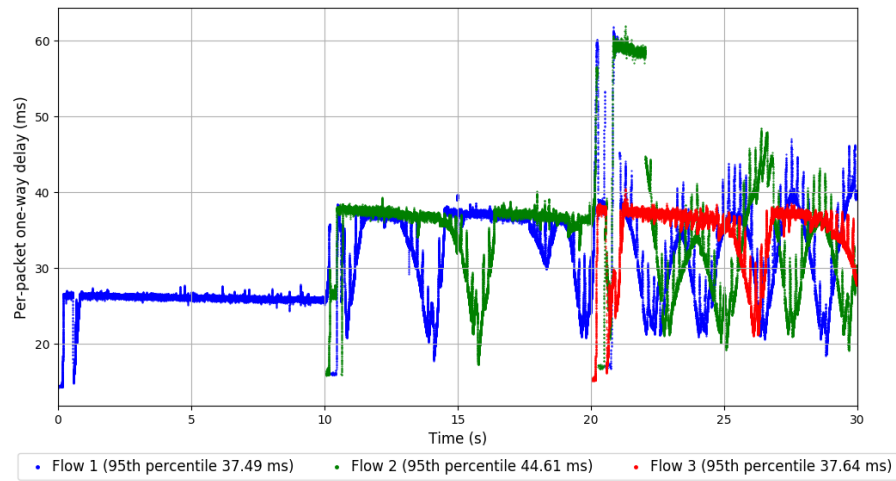
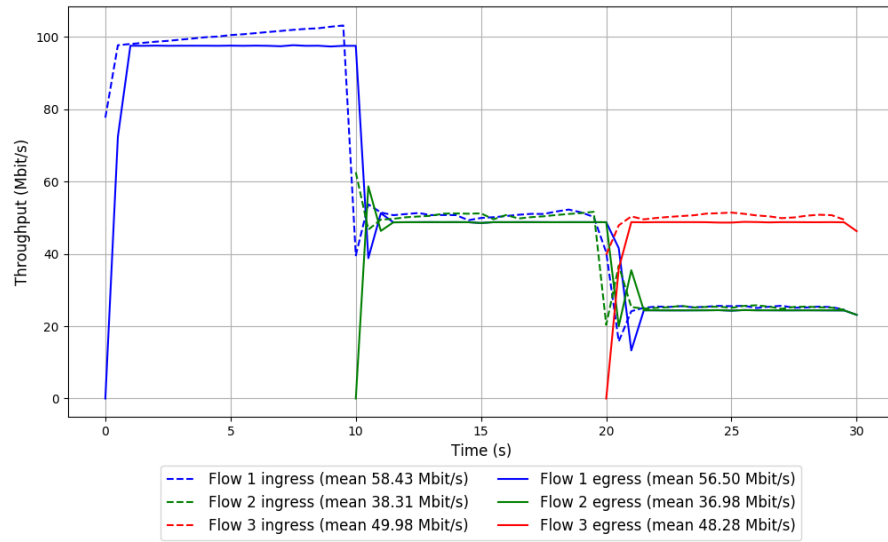
-- Flow 3:

Average throughput: 48.28 Mbit/s

95th percentile per-packet one-way delay: 37.640 ms

Loss rate: 3.65%

Run 10: Report of TCP BBR — Data Link

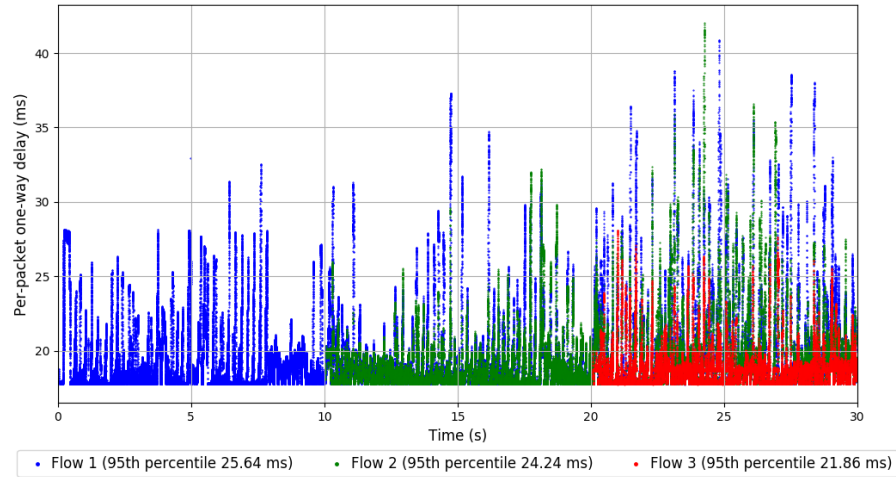
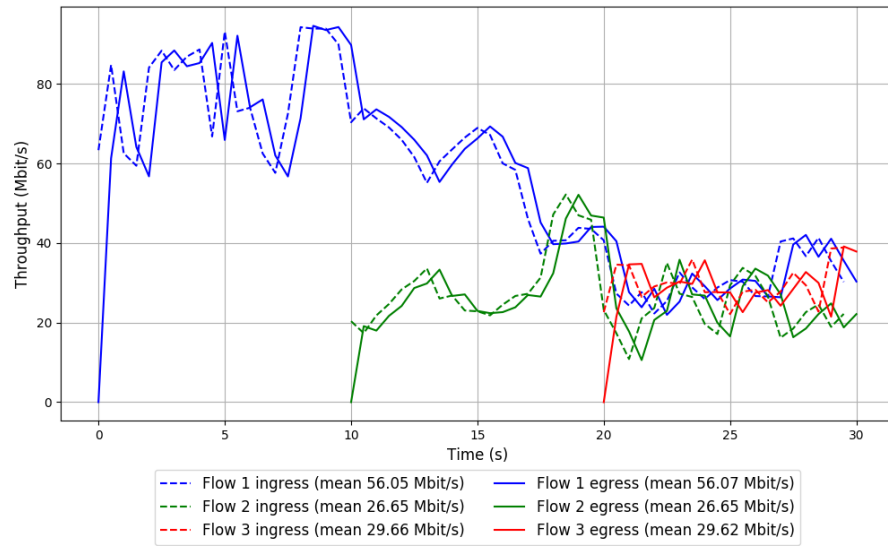


Run 1: Statistics of Copa

Start at: 2018-07-18 09:19:28
End at: 2018-07-18 09:19:58
Local clock offset: 1.043 ms
Remote clock offset: -4.975 ms

Below is generated by plot.py at 2018-07-18 12:42:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.65 Mbit/s
95th percentile per-packet one-way delay: 24.851 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.07 Mbit/s
95th percentile per-packet one-way delay: 25.645 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 26.65 Mbit/s
95th percentile per-packet one-way delay: 24.239 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 29.62 Mbit/s
95th percentile per-packet one-way delay: 21.860 ms
Loss rate: 0.39%

Run 1: Report of Copa — Data Link

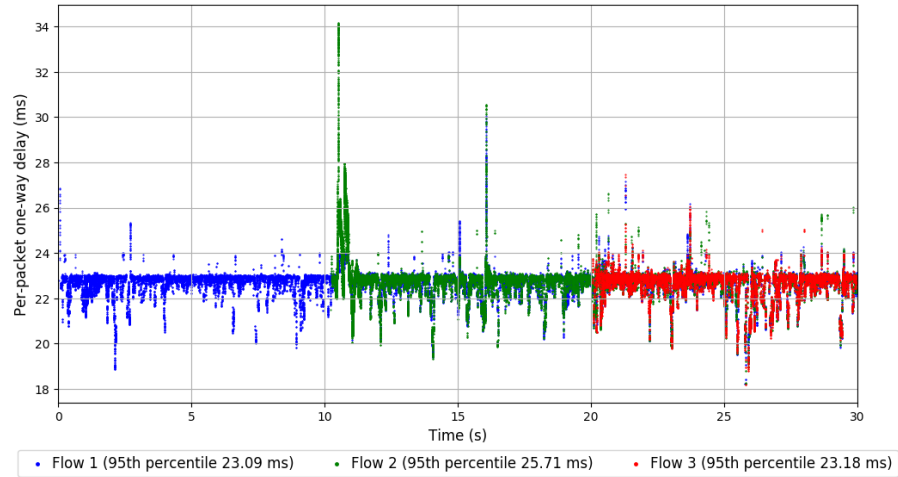
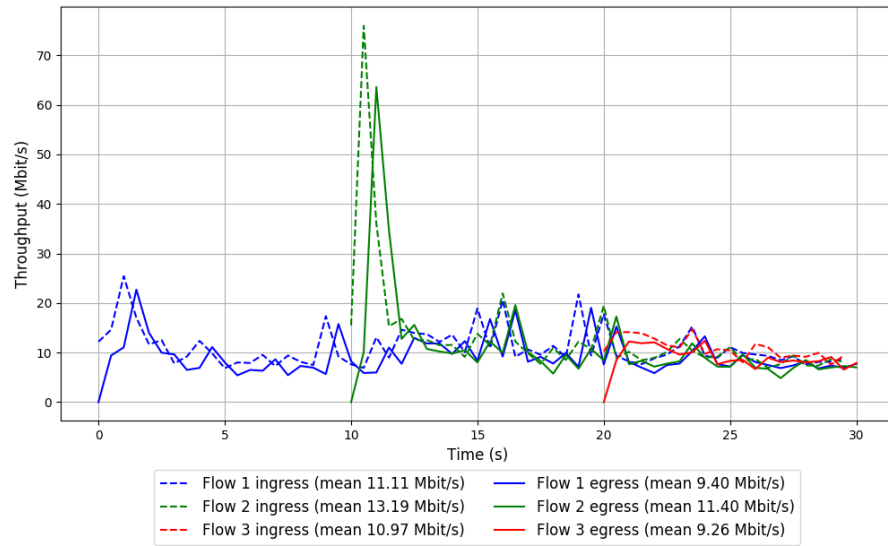


Run 2: Statistics of Copa

Start at: 2018-07-18 09:45:46
End at: 2018-07-18 09:46:16
Local clock offset: -2.005 ms
Remote clock offset: -5.254 ms

Below is generated by plot.py at 2018-07-18 12:42:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.98 Mbit/s
95th percentile per-packet one-way delay: 23.933 ms
Loss rate: 15.24%
-- Flow 1:
Average throughput: 9.40 Mbit/s
95th percentile per-packet one-way delay: 23.090 ms
Loss rate: 15.54%
-- Flow 2:
Average throughput: 11.40 Mbit/s
95th percentile per-packet one-way delay: 25.706 ms
Loss rate: 14.60%
-- Flow 3:
Average throughput: 9.26 Mbit/s
95th percentile per-packet one-way delay: 23.181 ms
Loss rate: 15.86%

Run 2: Report of Copa — Data Link

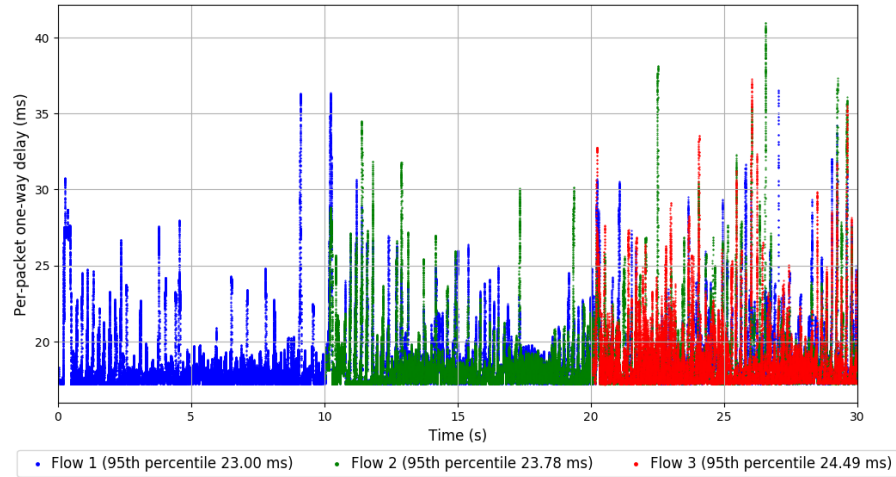
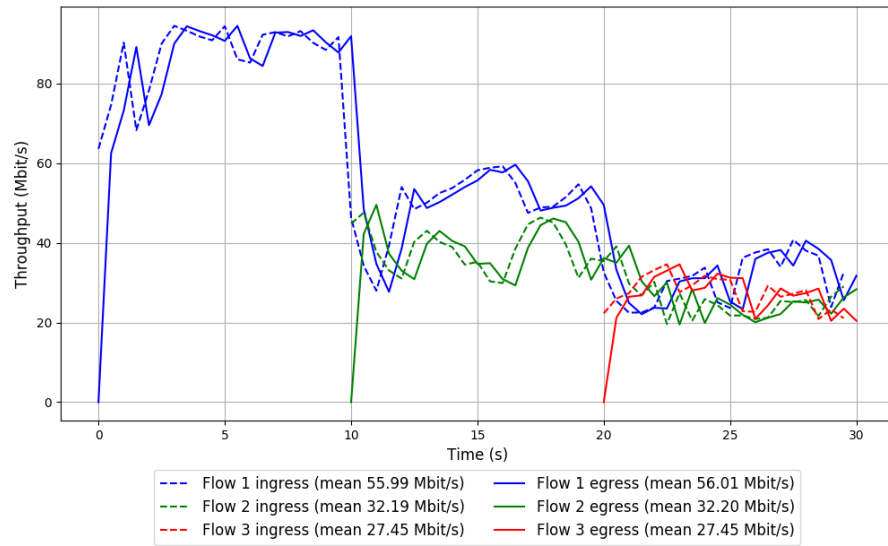


Run 3: Statistics of Copa

Start at: 2018-07-18 10:08:24
End at: 2018-07-18 10:08:54
Local clock offset: 1.304 ms
Remote clock offset: -3.972 ms

Below is generated by plot.py at 2018-07-18 12:42:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.56 Mbit/s
95th percentile per-packet one-way delay: 23.385 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 56.01 Mbit/s
95th percentile per-packet one-way delay: 22.998 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 32.20 Mbit/s
95th percentile per-packet one-way delay: 23.778 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 27.45 Mbit/s
95th percentile per-packet one-way delay: 24.489 ms
Loss rate: 0.26%

Run 3: Report of Copa — Data Link

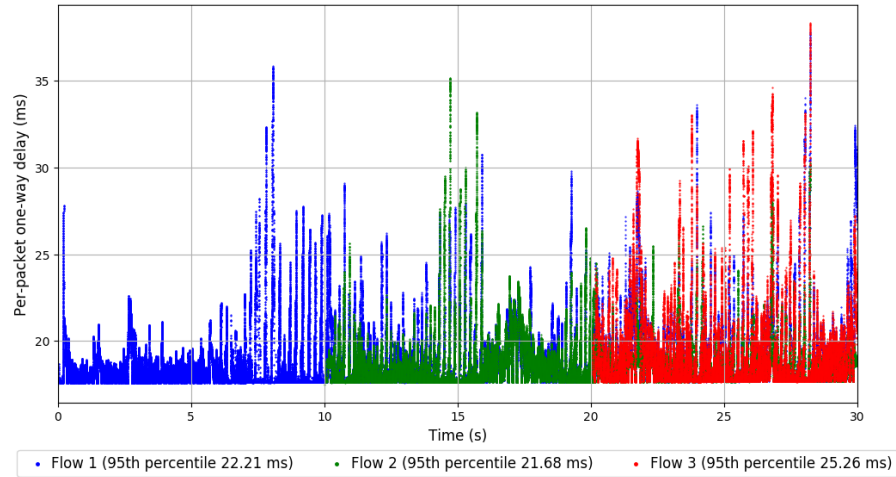
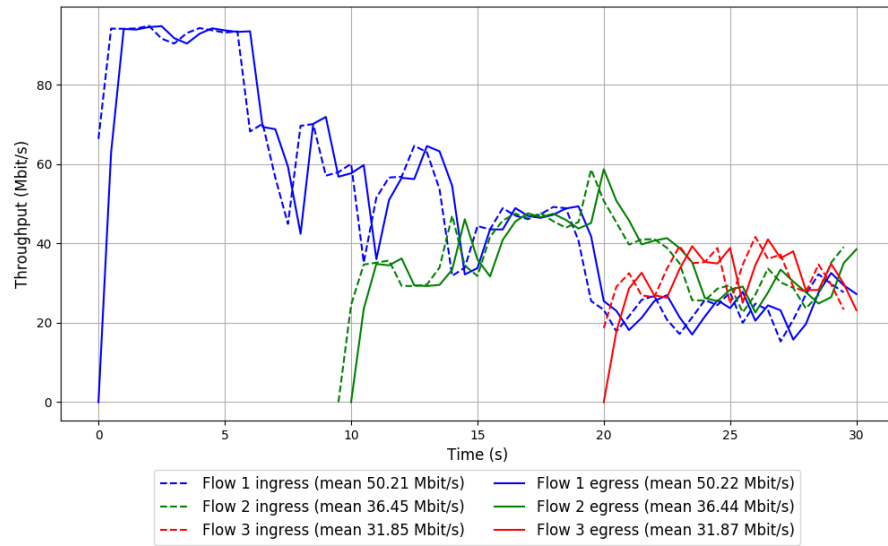


Run 4: Statistics of Copa

Start at: 2018-07-18 10:29:05
End at: 2018-07-18 10:29:35
Local clock offset: -0.153 ms
Remote clock offset: -3.514 ms

Below is generated by plot.py at 2018-07-18 12:42:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.07 Mbit/s
95th percentile per-packet one-way delay: 22.390 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 50.22 Mbit/s
95th percentile per-packet one-way delay: 22.212 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 36.44 Mbit/s
95th percentile per-packet one-way delay: 21.685 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 31.87 Mbit/s
95th percentile per-packet one-way delay: 25.257 ms
Loss rate: 0.18%

Run 4: Report of Copa — Data Link

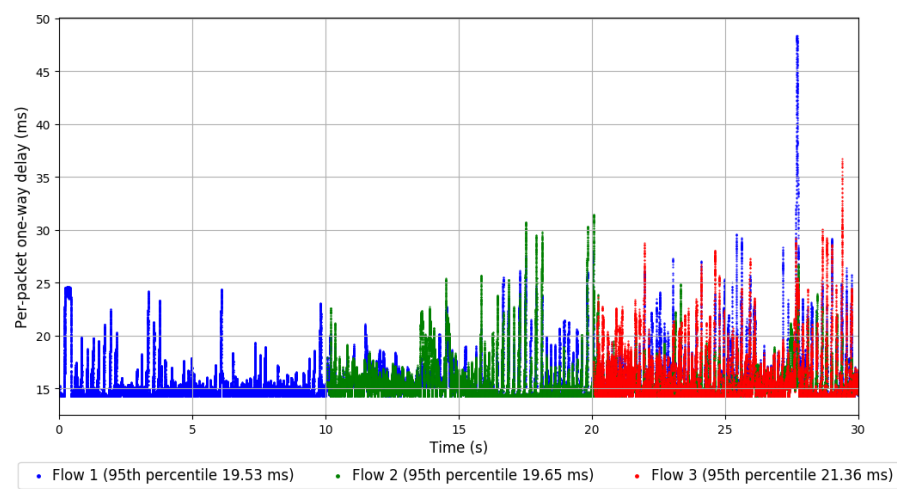
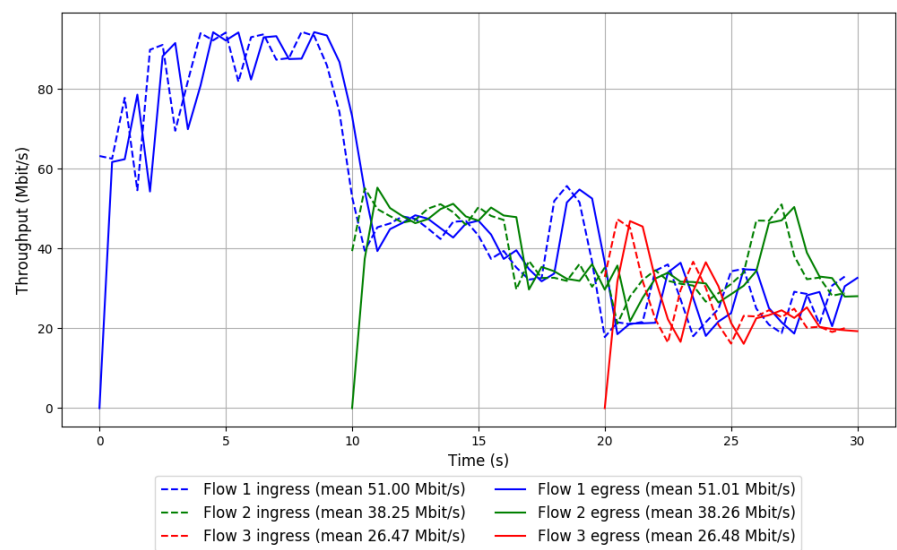


Run 5: Statistics of Copa

Start at: 2018-07-18 10:49:25
End at: 2018-07-18 10:49:55
Local clock offset: -2.996 ms
Remote clock offset: -0.785 ms

Below is generated by plot.py at 2018-07-18 12:42:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.27 Mbit/s
95th percentile per-packet one-way delay: 19.815 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 51.01 Mbit/s
95th percentile per-packet one-way delay: 19.532 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 38.26 Mbit/s
95th percentile per-packet one-way delay: 19.650 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 26.48 Mbit/s
95th percentile per-packet one-way delay: 21.362 ms
Loss rate: 0.22%

Run 5: Report of Copa — Data Link

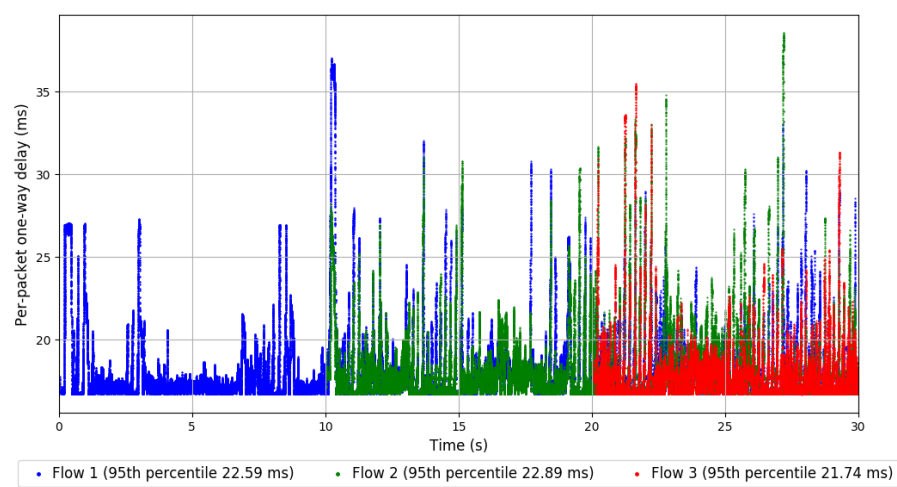
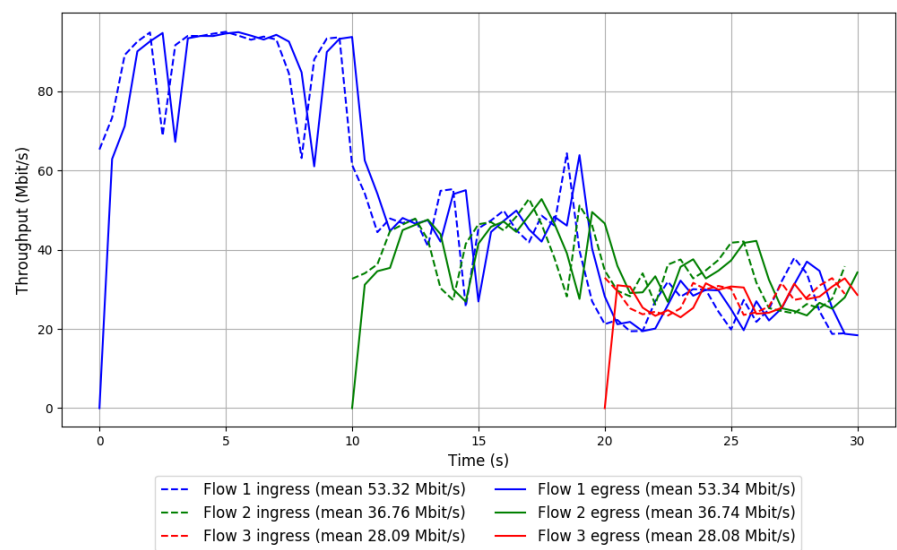


Run 6: Statistics of Copa

Start at: 2018-07-18 11:09:51
End at: 2018-07-18 11:10:21
Local clock offset: 1.454 ms
Remote clock offset: -0.277 ms

Below is generated by plot.py at 2018-07-18 12:42:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.12 Mbit/s
95th percentile per-packet one-way delay: 22.607 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 53.34 Mbit/s
95th percentile per-packet one-way delay: 22.588 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 36.74 Mbit/s
95th percentile per-packet one-way delay: 22.893 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 28.08 Mbit/s
95th percentile per-packet one-way delay: 21.741 ms
Loss rate: 0.26%

Run 6: Report of Copa — Data Link

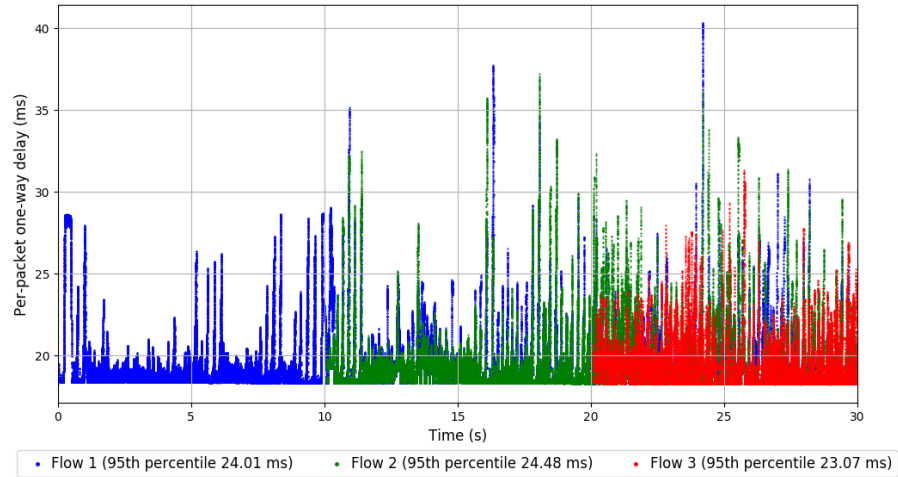
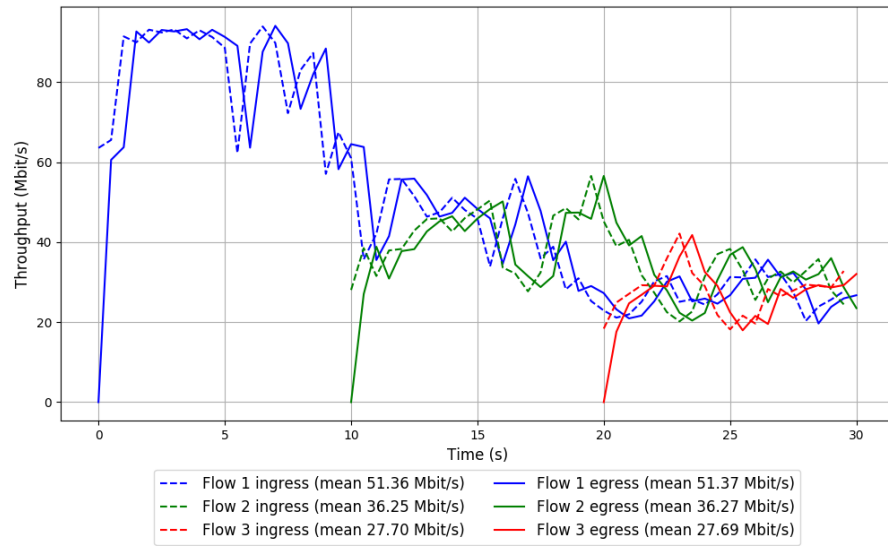


Run 7: Statistics of Copa

Start at: 2018-07-18 11:30:27
End at: 2018-07-18 11:30:57
Local clock offset: -0.81 ms
Remote clock offset: -5.658 ms

Below is generated by plot.py at 2018-07-18 12:43:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.71 Mbit/s
95th percentile per-packet one-way delay: 23.983 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 51.37 Mbit/s
95th percentile per-packet one-way delay: 24.011 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 36.27 Mbit/s
95th percentile per-packet one-way delay: 24.481 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 27.69 Mbit/s
95th percentile per-packet one-way delay: 23.069 ms
Loss rate: 0.31%

Run 7: Report of Copa — Data Link

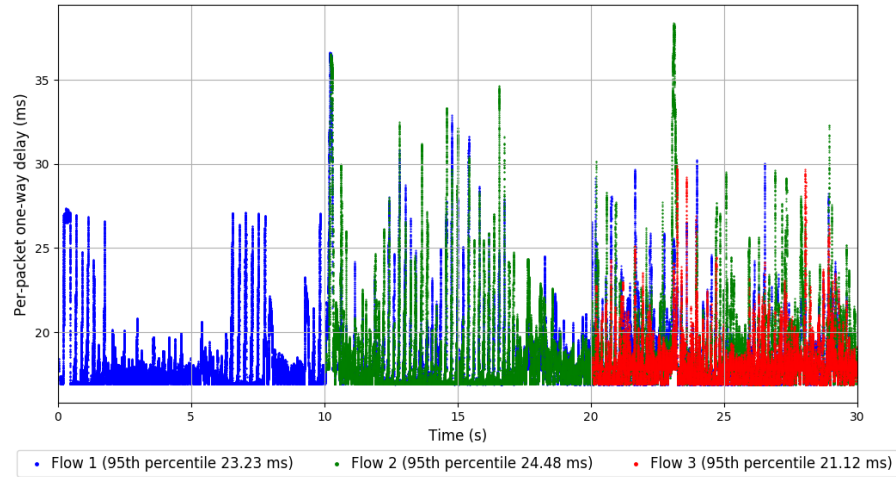
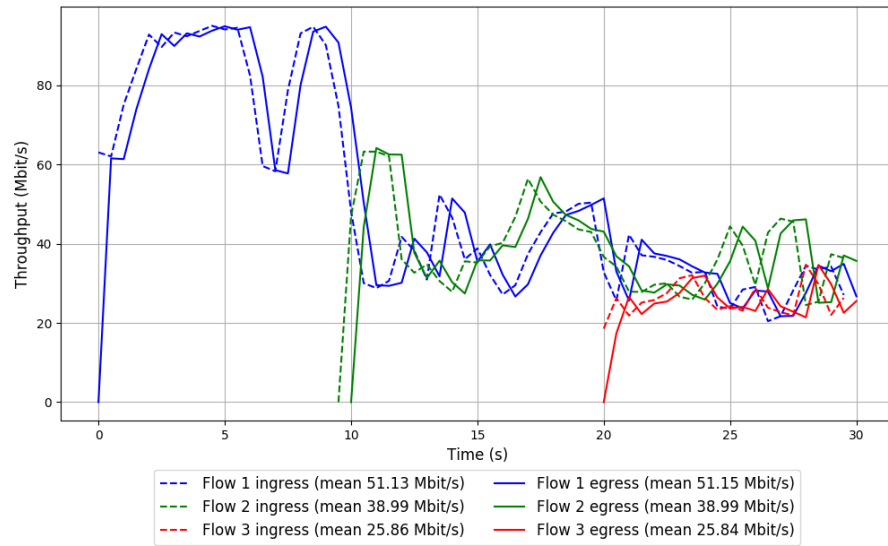


Run 8: Statistics of Copa

Start at: 2018-07-18 11:50:52
End at: 2018-07-18 11:51:22
Local clock offset: 0.493 ms
Remote clock offset: -8.956 ms

Below is generated by plot.py at 2018-07-18 12:43:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.70 Mbit/s
95th percentile per-packet one-way delay: 23.431 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 51.15 Mbit/s
95th percentile per-packet one-way delay: 23.229 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 38.99 Mbit/s
95th percentile per-packet one-way delay: 24.477 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 25.84 Mbit/s
95th percentile per-packet one-way delay: 21.117 ms
Loss rate: 0.29%

Run 8: Report of Copa — Data Link

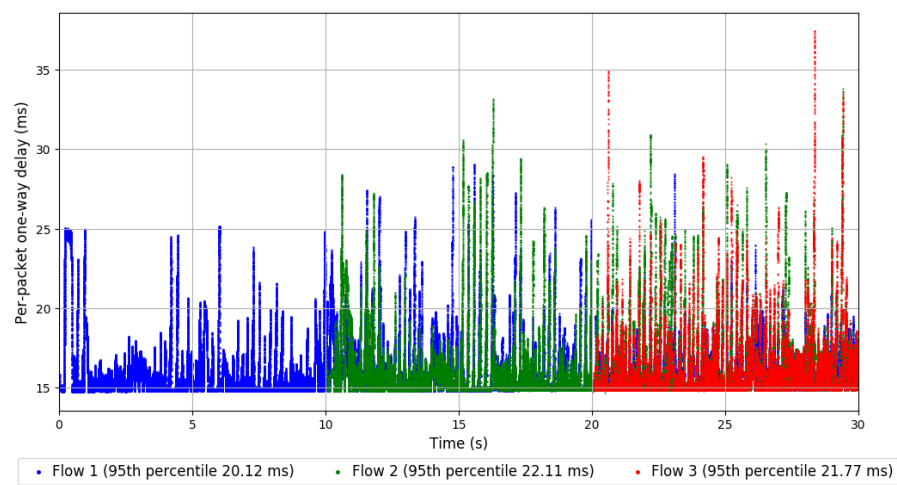
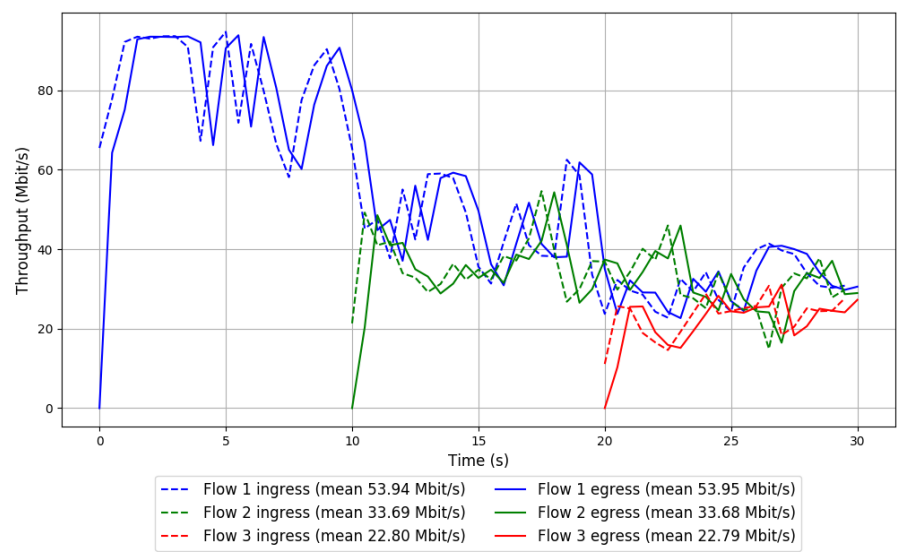


Run 9: Statistics of Copa

Start at: 2018-07-18 12:11:09
End at: 2018-07-18 12:11:39
Local clock offset: -2.824 ms
Remote clock offset: -0.822 ms

Below is generated by plot.py at 2018-07-18 12:44:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.95 Mbit/s
95th percentile per-packet one-way delay: 20.970 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 53.95 Mbit/s
95th percentile per-packet one-way delay: 20.125 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 33.68 Mbit/s
95th percentile per-packet one-way delay: 22.105 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 22.79 Mbit/s
95th percentile per-packet one-way delay: 21.775 ms
Loss rate: 0.31%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-18 12:31:46

End at: 2018-07-18 12:32:16

Local clock offset: 1.058 ms

Remote clock offset: 0.52 ms

Below is generated by plot.py at 2018-07-18 12:44:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.74 Mbit/s

95th percentile per-packet one-way delay: 21.668 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 52.60 Mbit/s

95th percentile per-packet one-way delay: 21.769 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 35.54 Mbit/s

95th percentile per-packet one-way delay: 21.435 ms

Loss rate: 0.11%

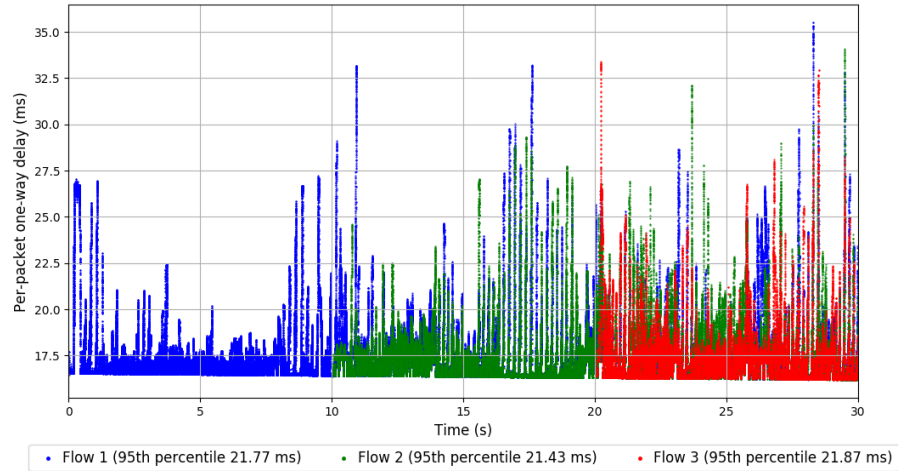
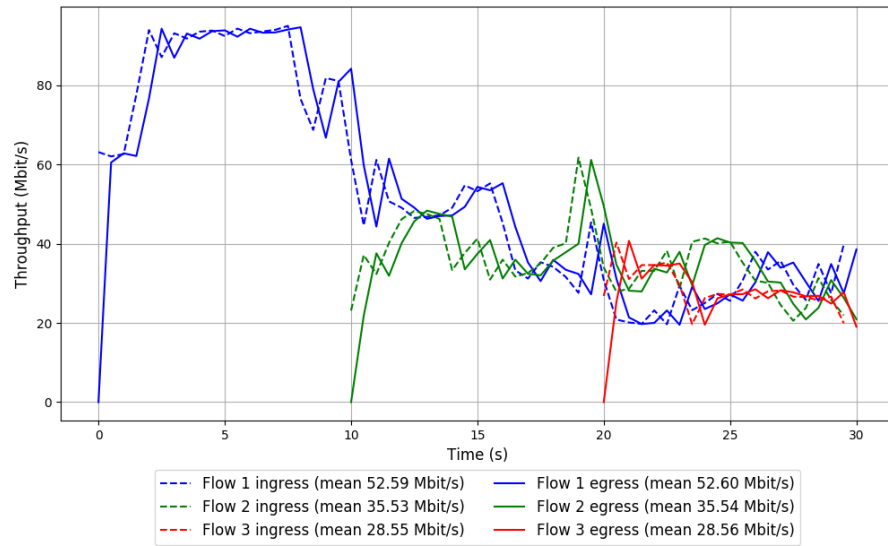
-- Flow 3:

Average throughput: 28.56 Mbit/s

95th percentile per-packet one-way delay: 21.868 ms

Loss rate: 0.22%

Run 10: Report of Copa — Data Link

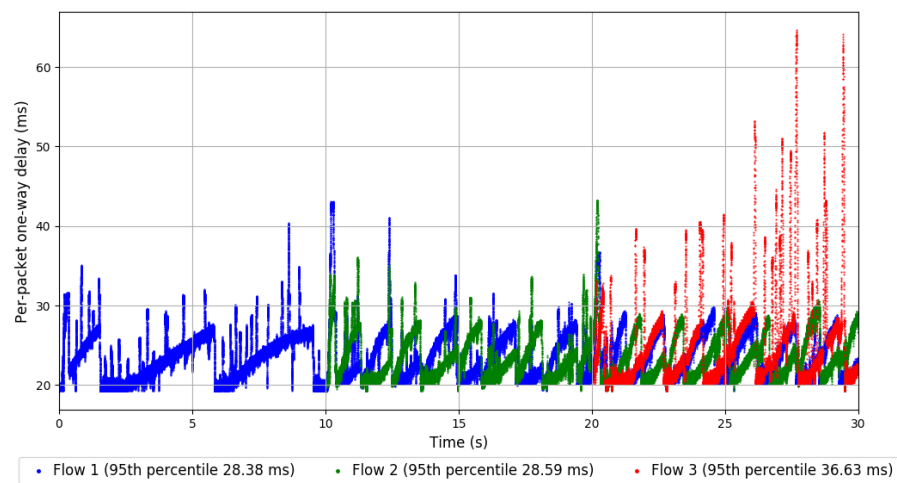
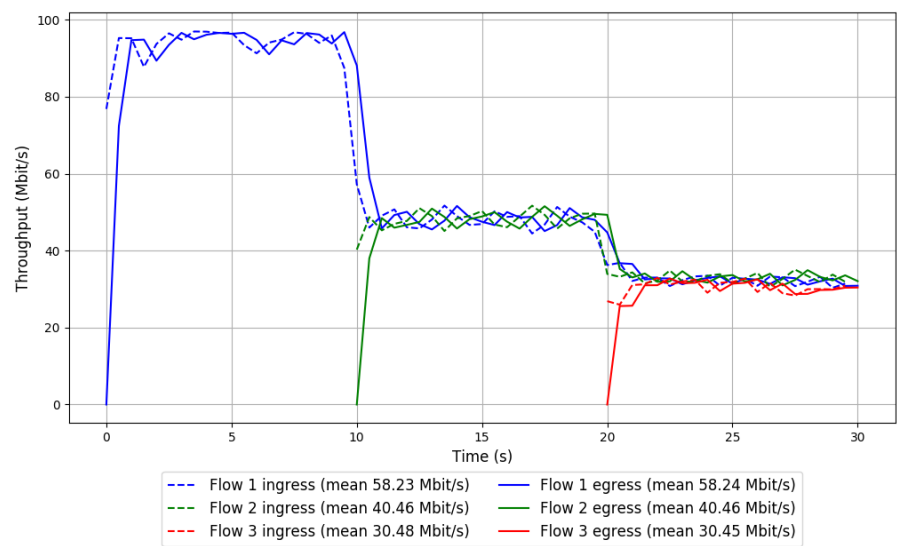


Run 1: Statistics of TCP Cubic

Start at: 2018-07-18 09:20:44
End at: 2018-07-18 09:21:14
Local clock offset: 2.045 ms
Remote clock offset: -5.497 ms

Below is generated by plot.py at 2018-07-18 12:44:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.29 Mbit/s
95th percentile per-packet one-way delay: 28.903 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 58.24 Mbit/s
95th percentile per-packet one-way delay: 28.379 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.46 Mbit/s
95th percentile per-packet one-way delay: 28.585 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 30.45 Mbit/s
95th percentile per-packet one-way delay: 36.626 ms
Loss rate: 0.35%

Run 1: Report of TCP Cubic — Data Link

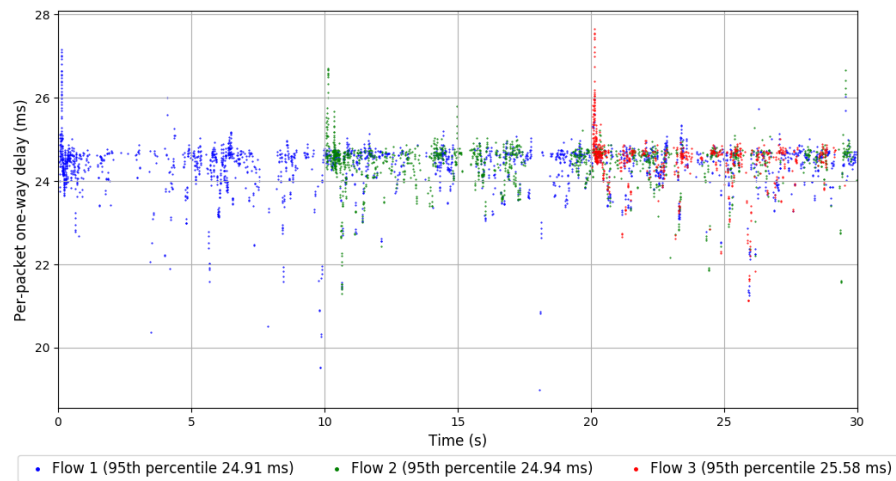
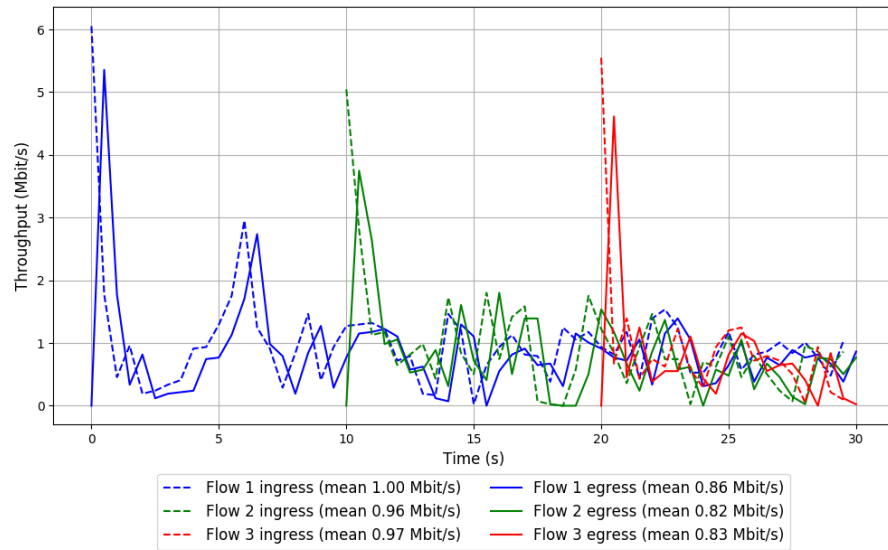


Run 2: Statistics of TCP Cubic

Start at: 2018-07-18 09:47:43
End at: 2018-07-18 09:48:13
Local clock offset: -0.735 ms
Remote clock offset: -5.585 ms

Below is generated by plot.py at 2018-07-18 12:44:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 24.980 ms
Loss rate: 14.67%
-- Flow 1:
Average throughput: 0.86 Mbit/s
95th percentile per-packet one-way delay: 24.909 ms
Loss rate: 14.08%
-- Flow 2:
Average throughput: 0.82 Mbit/s
95th percentile per-packet one-way delay: 24.936 ms
Loss rate: 14.70%
-- Flow 3:
Average throughput: 0.83 Mbit/s
95th percentile per-packet one-way delay: 25.583 ms
Loss rate: 16.49%

Run 2: Report of TCP Cubic — Data Link

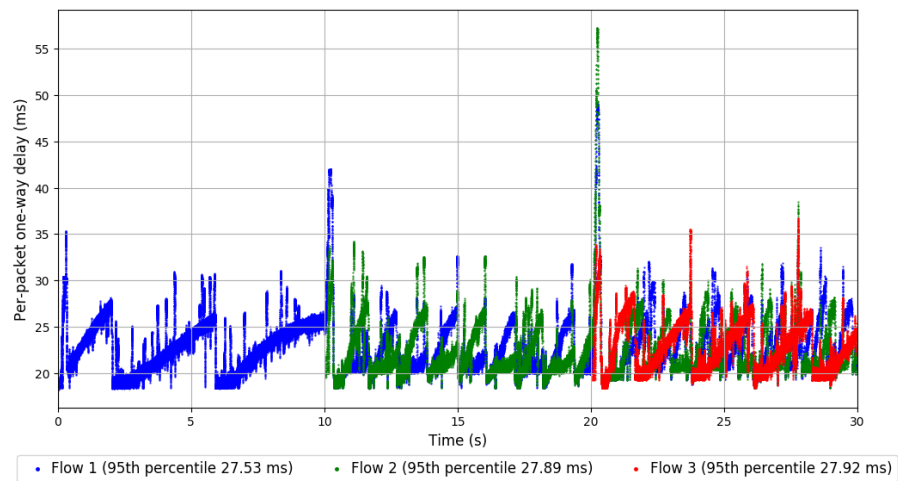
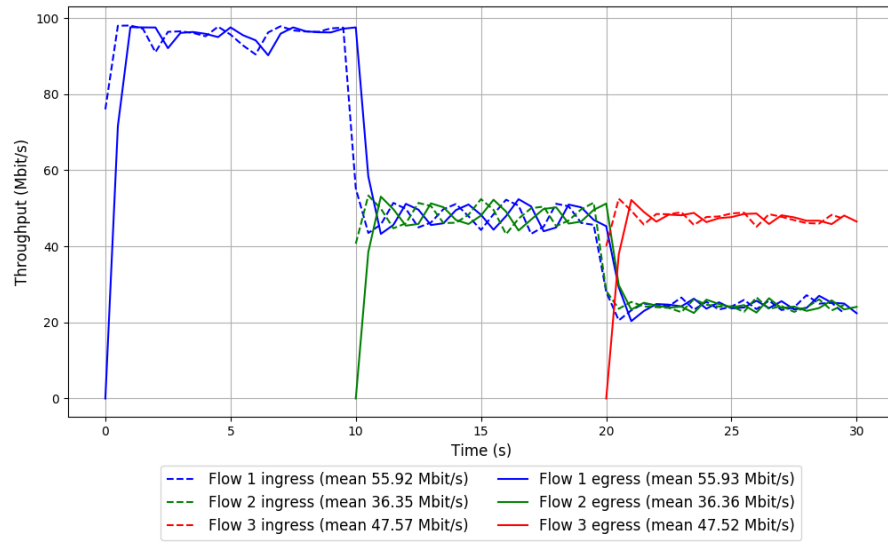


Run 3: Statistics of TCP Cubic

Start at: 2018-07-18 10:09:47
End at: 2018-07-18 10:10:17
Local clock offset: 2.784 ms
Remote clock offset: -3.564 ms

Below is generated by plot.py at 2018-07-18 12:44:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.91 Mbit/s
95th percentile per-packet one-way delay: 27.694 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 55.93 Mbit/s
95th percentile per-packet one-way delay: 27.529 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 36.36 Mbit/s
95th percentile per-packet one-way delay: 27.892 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 47.52 Mbit/s
95th percentile per-packet one-way delay: 27.924 ms
Loss rate: 0.33%

Run 3: Report of TCP Cubic — Data Link

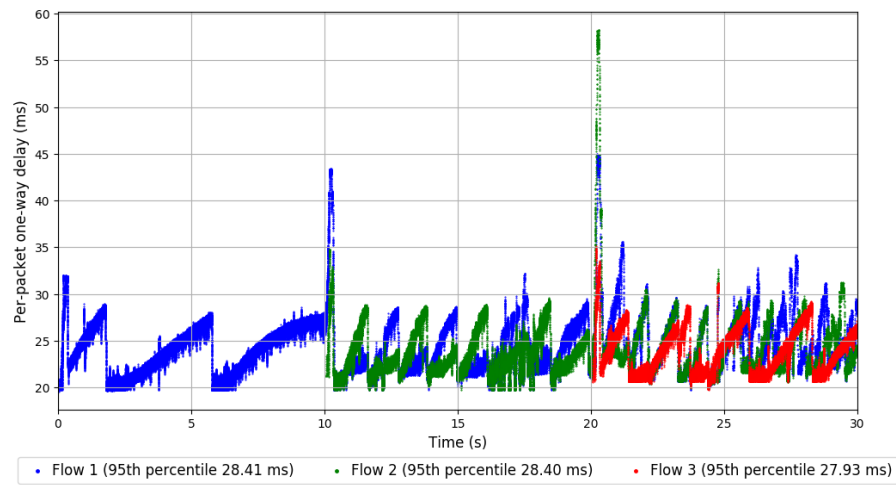
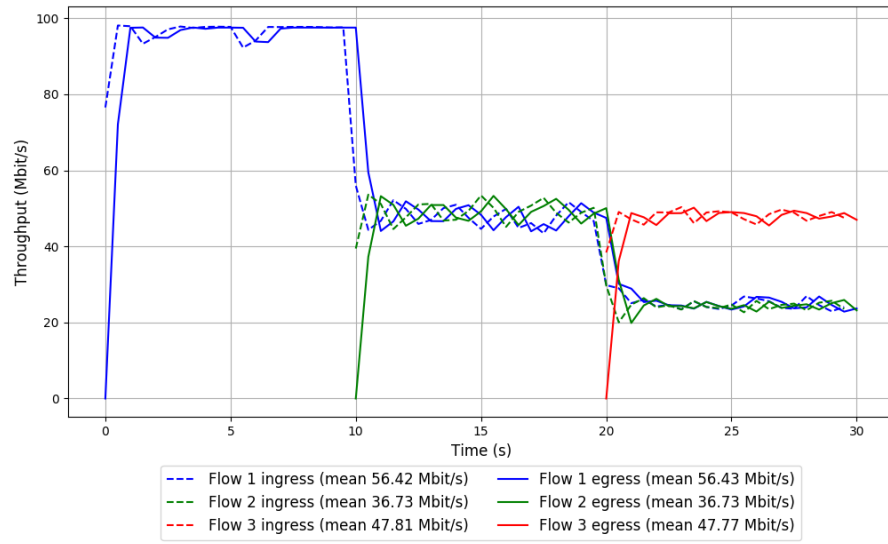


Run 4: Statistics of TCP Cubic

Start at: 2018-07-18 10:30:21
End at: 2018-07-18 10:30:51
Local clock offset: 2.333 ms
Remote clock offset: -2.889 ms

Below is generated by plot.py at 2018-07-18 12:44:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 28.308 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 56.43 Mbit/s
95th percentile per-packet one-way delay: 28.405 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 36.73 Mbit/s
95th percentile per-packet one-way delay: 28.397 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 47.77 Mbit/s
95th percentile per-packet one-way delay: 27.931 ms
Loss rate: 0.32%

Run 4: Report of TCP Cubic — Data Link

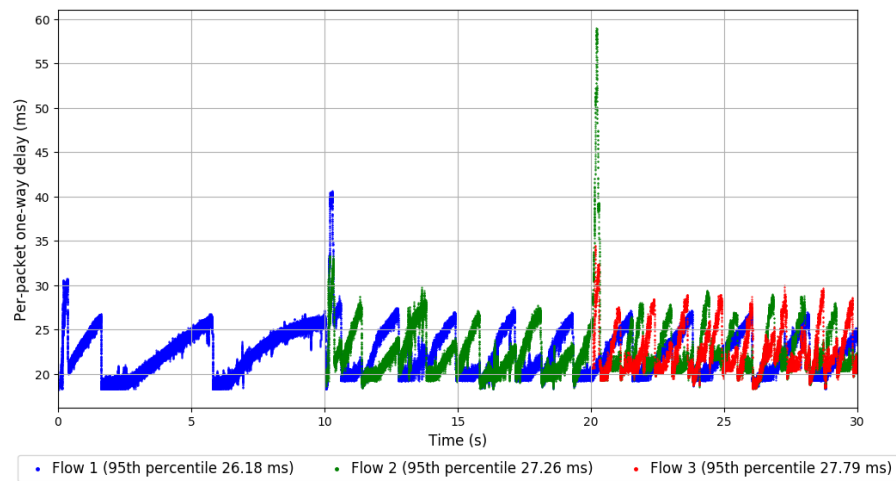
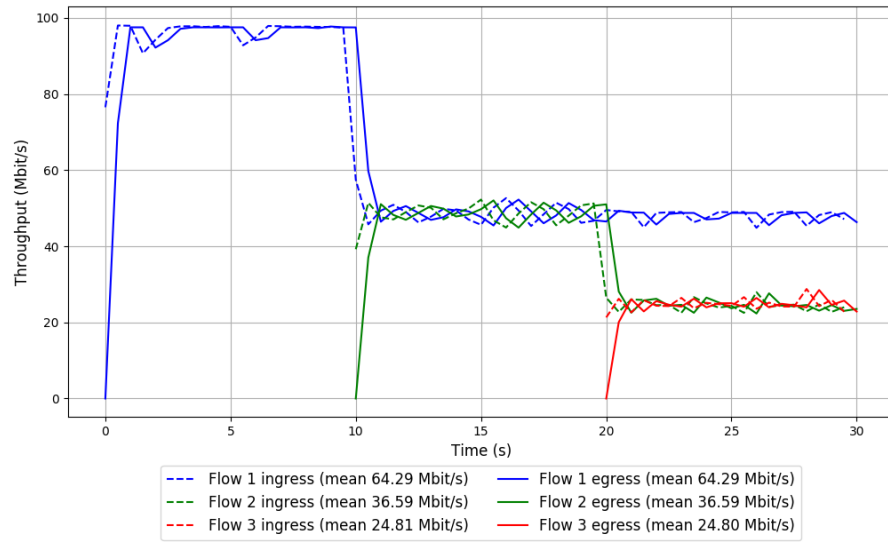


Run 5: Statistics of TCP Cubic

Start at: 2018-07-18 10:50:42
End at: 2018-07-18 10:51:12
Local clock offset: -0.62 ms
Remote clock offset: -2.436 ms

Below is generated by plot.py at 2018-07-18 12:44:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 26.576 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 64.29 Mbit/s
95th percentile per-packet one-way delay: 26.185 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 36.59 Mbit/s
95th percentile per-packet one-way delay: 27.257 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 24.80 Mbit/s
95th percentile per-packet one-way delay: 27.793 ms
Loss rate: 0.30%

Run 5: Report of TCP Cubic — Data Link

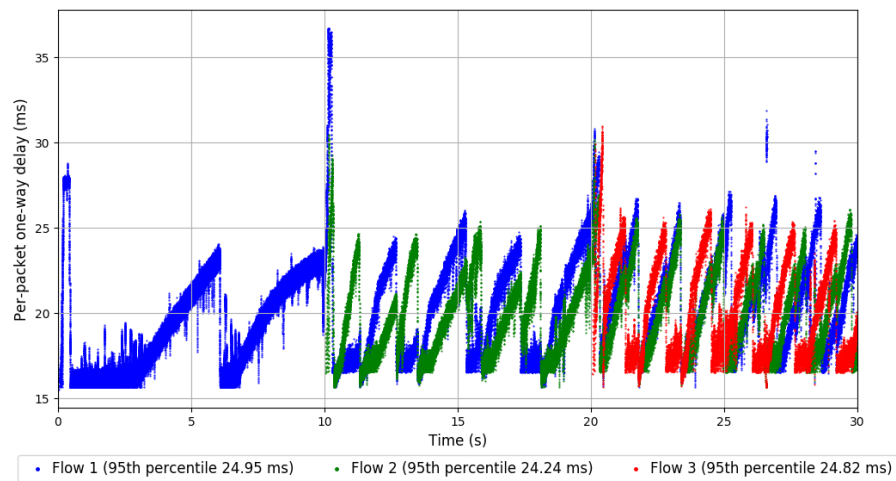
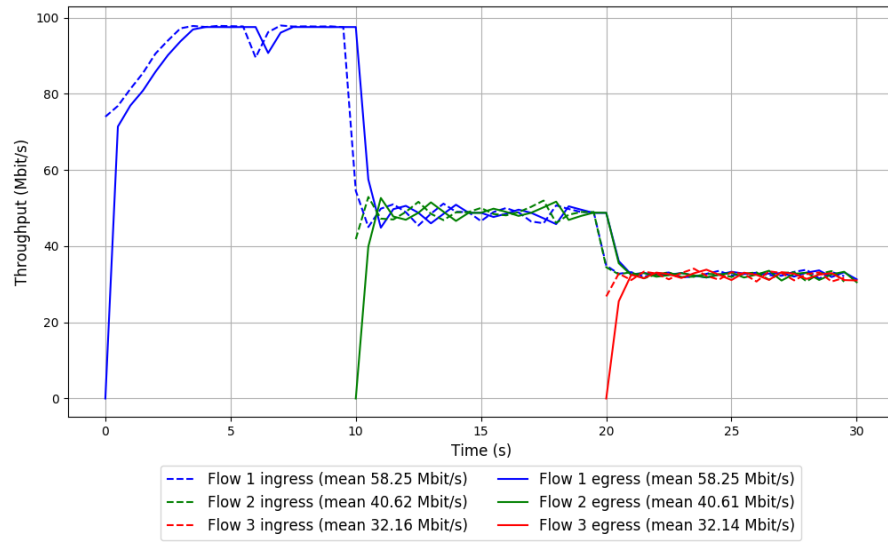


Run 6: Statistics of TCP Cubic

Start at: 2018-07-18 11:11:06
End at: 2018-07-18 11:11:36
Local clock offset: 0.382 ms
Remote clock offset: -0.317 ms

Below is generated by plot.py at 2018-07-18 12:44:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.96 Mbit/s
95th percentile per-packet one-way delay: 24.687 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 58.25 Mbit/s
95th percentile per-packet one-way delay: 24.949 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.61 Mbit/s
95th percentile per-packet one-way delay: 24.244 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.14 Mbit/s
95th percentile per-packet one-way delay: 24.817 ms
Loss rate: 0.31%

Run 6: Report of TCP Cubic — Data Link

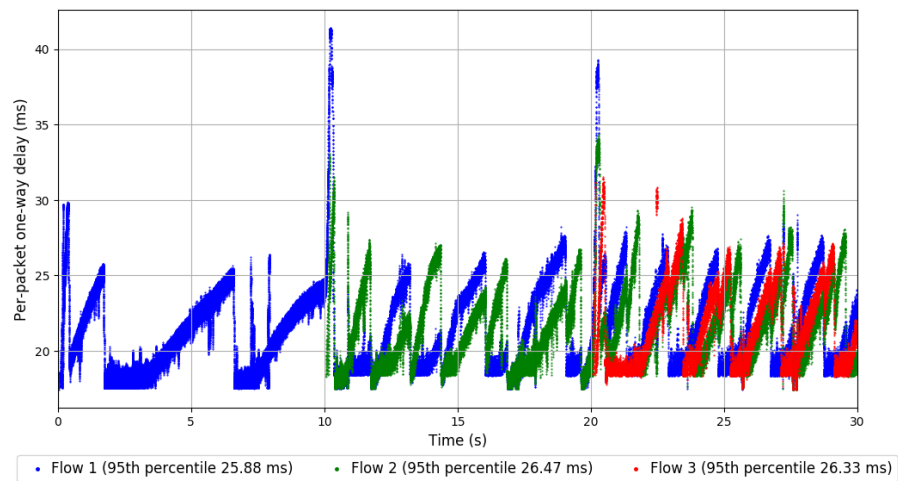
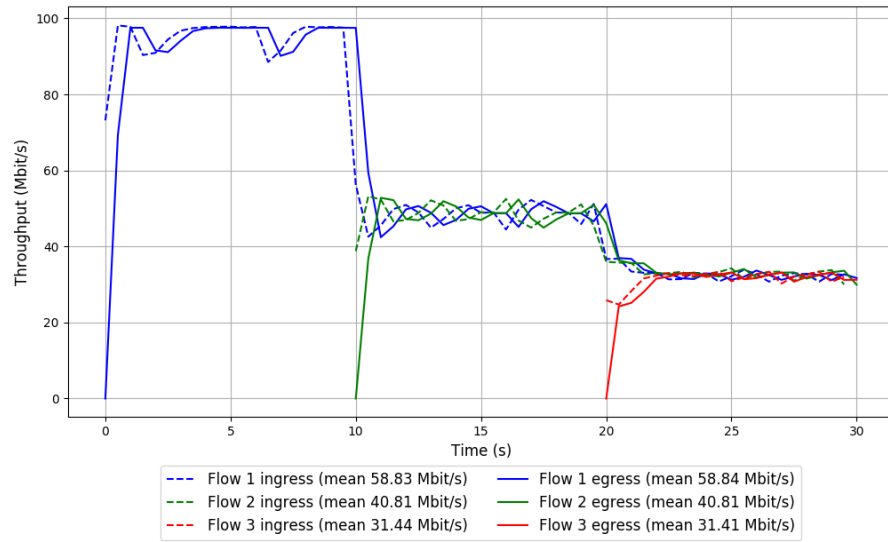


Run 7: Statistics of TCP Cubic

Start at: 2018-07-18 11:31:46
End at: 2018-07-18 11:32:16
Local clock offset: -0.814 ms
Remote clock offset: -5.153 ms

Below is generated by plot.py at 2018-07-18 12:44:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.43 Mbit/s
95th percentile per-packet one-way delay: 26.152 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 58.84 Mbit/s
95th percentile per-packet one-way delay: 25.880 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.81 Mbit/s
95th percentile per-packet one-way delay: 26.473 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 26.334 ms
Loss rate: 0.38%

Run 7: Report of TCP Cubic — Data Link

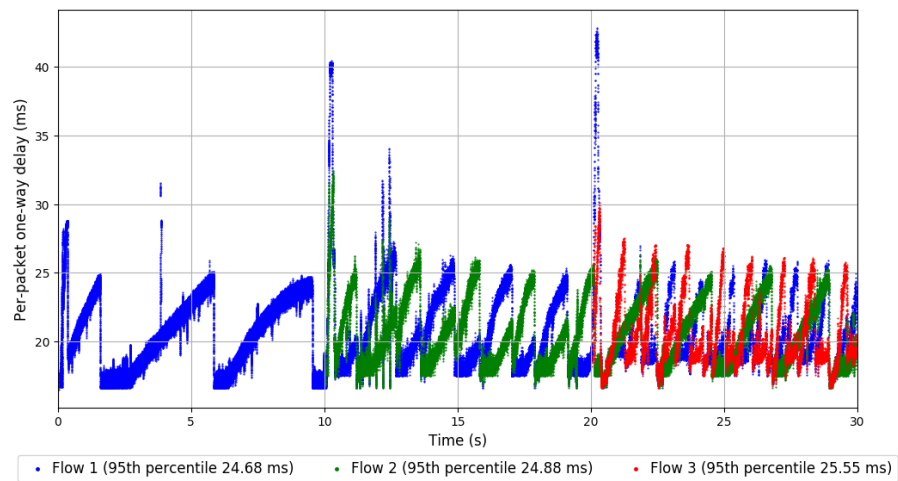
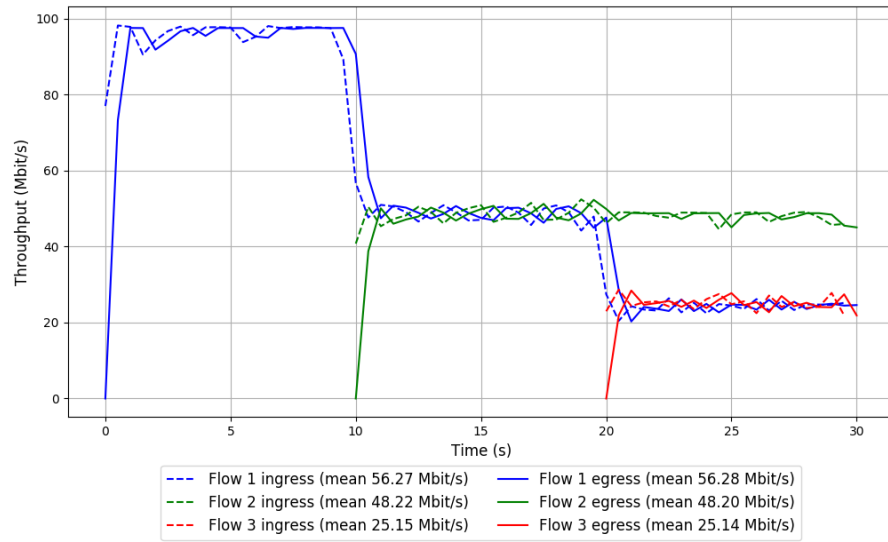


Run 8: Statistics of TCP Cubic

Start at: 2018-07-18 11:52:08
End at: 2018-07-18 11:52:38
Local clock offset: 2.17 ms
Remote clock offset: -7.068 ms

Below is generated by plot.py at 2018-07-18 12:45:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: 24.864 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.28 Mbit/s
95th percentile per-packet one-way delay: 24.680 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 48.20 Mbit/s
95th percentile per-packet one-way delay: 24.881 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 25.14 Mbit/s
95th percentile per-packet one-way delay: 25.551 ms
Loss rate: 0.32%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-18 12:12:28

End at: 2018-07-18 12:12:58

Local clock offset: 0.067 ms

Remote clock offset: -0.32 ms

Below is generated by plot.py at 2018-07-18 12:45:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 25.735 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 65.79 Mbit/s

95th percentile per-packet one-way delay: 25.335 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 33.94 Mbit/s

95th percentile per-packet one-way delay: 26.646 ms

Loss rate: 0.14%

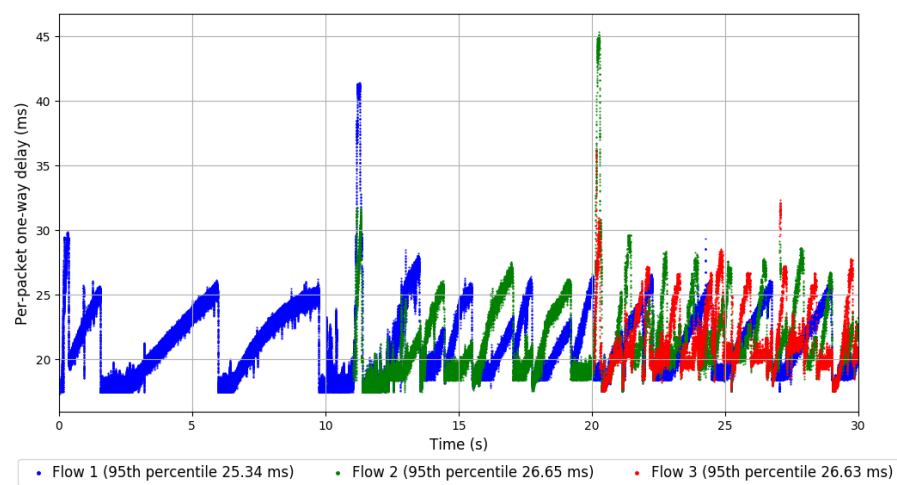
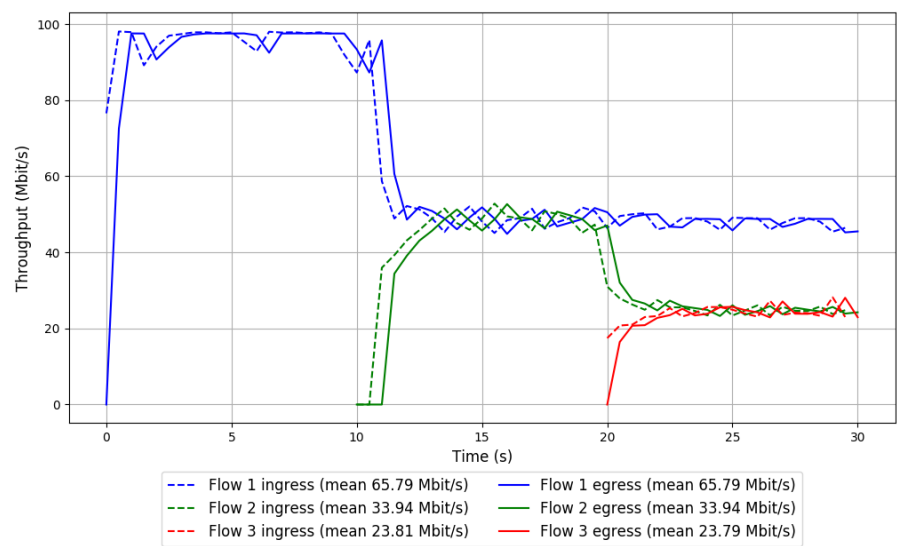
-- Flow 3:

Average throughput: 23.79 Mbit/s

95th percentile per-packet one-way delay: 26.630 ms

Loss rate: 0.33%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-18 12:33:05

End at: 2018-07-18 12:33:35

Local clock offset: 1.356 ms

Remote clock offset: 0.066 ms

Below is generated by plot.py at 2018-07-18 12:45:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.78 Mbit/s

95th percentile per-packet one-way delay: 24.561 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 64.27 Mbit/s

95th percentile per-packet one-way delay: 24.154 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 36.60 Mbit/s

95th percentile per-packet one-way delay: 25.057 ms

Loss rate: 0.13%

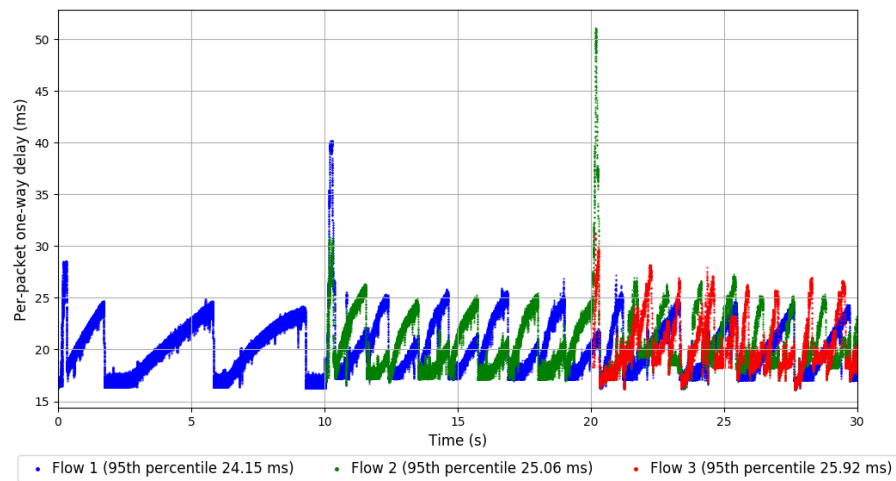
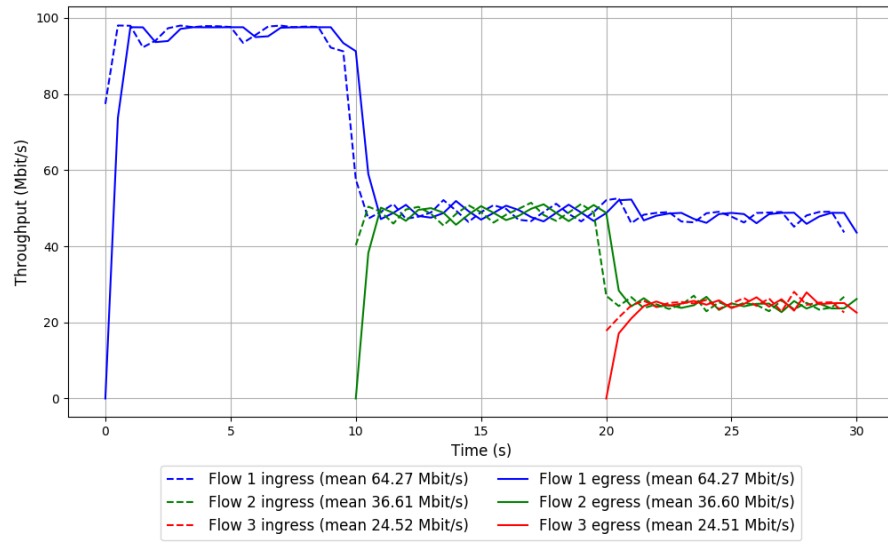
-- Flow 3:

Average throughput: 24.51 Mbit/s

95th percentile per-packet one-way delay: 25.919 ms

Loss rate: 0.31%

Run 10: Report of TCP Cubic — Data Link

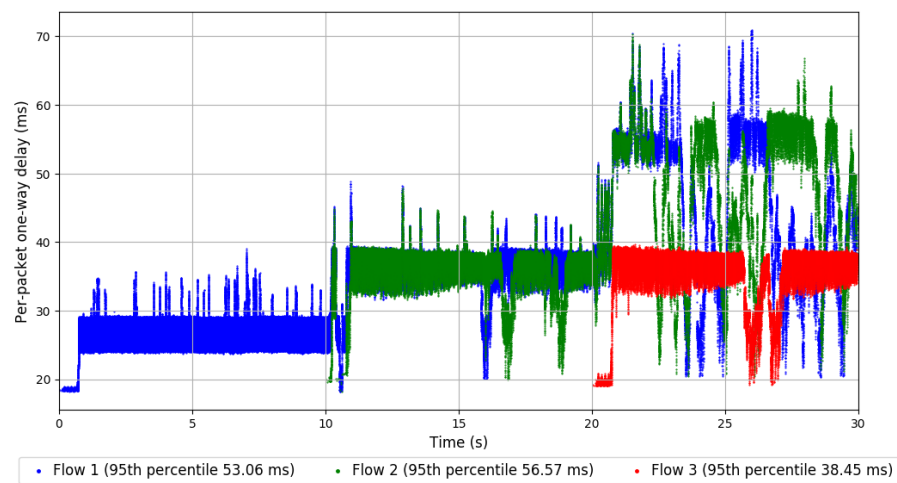
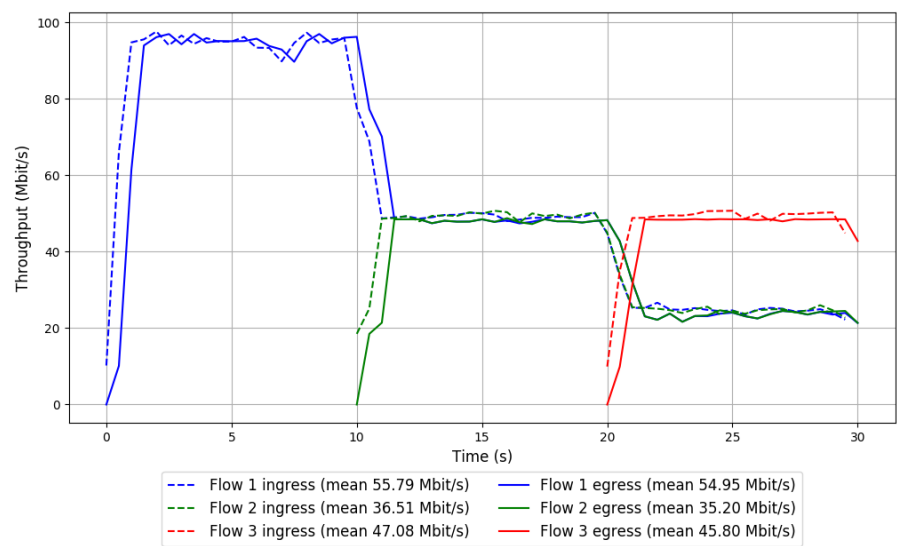


Run 1: Statistics of FillP

Start at: 2018-07-18 09:10:48
End at: 2018-07-18 09:11:18
Local clock offset: 0.64 ms
Remote clock offset: -4.633 ms

Below is generated by plot.py at 2018-07-18 12:45:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.53 Mbit/s
95th percentile per-packet one-way delay: 54.221 ms
Loss rate: 2.35%
-- Flow 1:
Average throughput: 54.95 Mbit/s
95th percentile per-packet one-way delay: 53.064 ms
Loss rate: 1.59%
-- Flow 2:
Average throughput: 35.20 Mbit/s
95th percentile per-packet one-way delay: 56.568 ms
Loss rate: 3.72%
-- Flow 3:
Average throughput: 45.80 Mbit/s
95th percentile per-packet one-way delay: 38.450 ms
Loss rate: 2.93%

Run 1: Report of FillP — Data Link

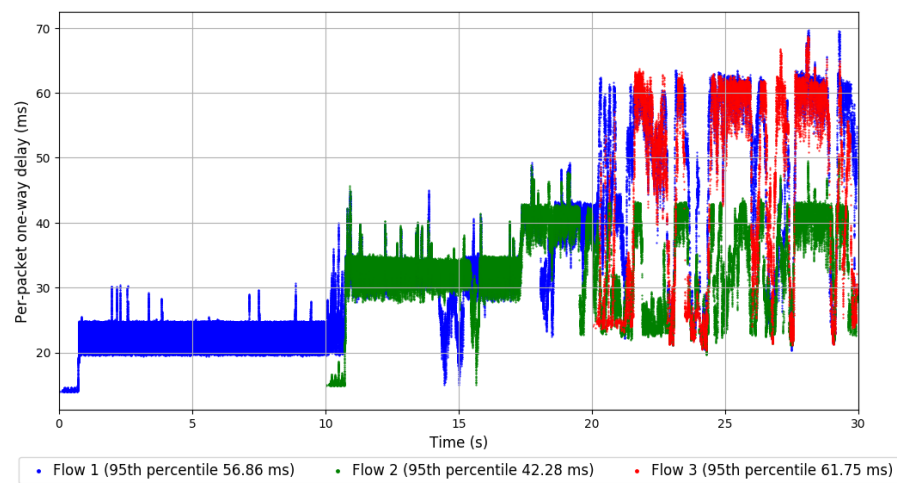
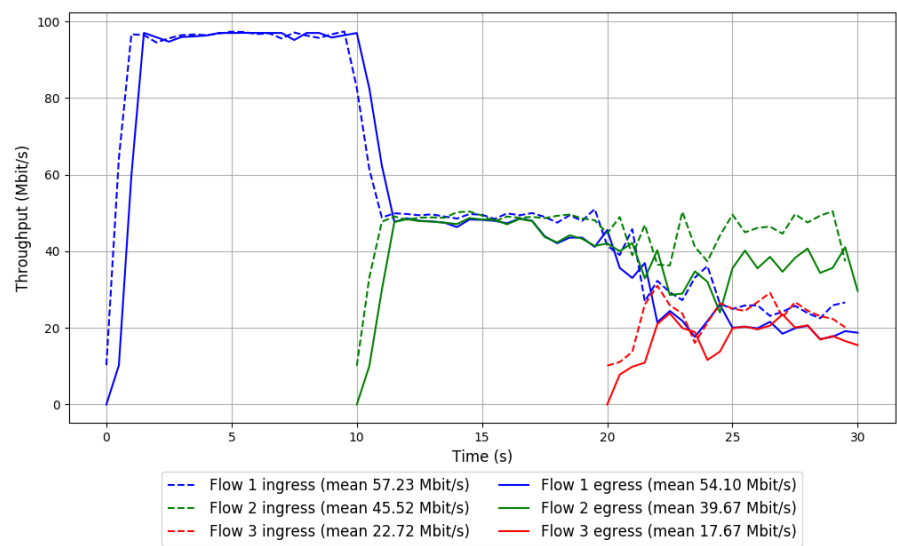


Run 2: Statistics of FillP

Start at: 2018-07-18 09:31:27
End at: 2018-07-18 09:31:57
Local clock offset: -1.418 ms
Remote clock offset: -4.206 ms

Below is generated by plot.py at 2018-07-18 12:45:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.33 Mbit/s
95th percentile per-packet one-way delay: 58.032 ms
Loss rate: 9.25%
-- Flow 1:
Average throughput: 54.10 Mbit/s
95th percentile per-packet one-way delay: 56.858 ms
Loss rate: 5.56%
-- Flow 2:
Average throughput: 39.67 Mbit/s
95th percentile per-packet one-way delay: 42.277 ms
Loss rate: 12.95%
-- Flow 3:
Average throughput: 17.67 Mbit/s
95th percentile per-packet one-way delay: 61.753 ms
Loss rate: 22.45%

Run 2: Report of FillP — Data Link

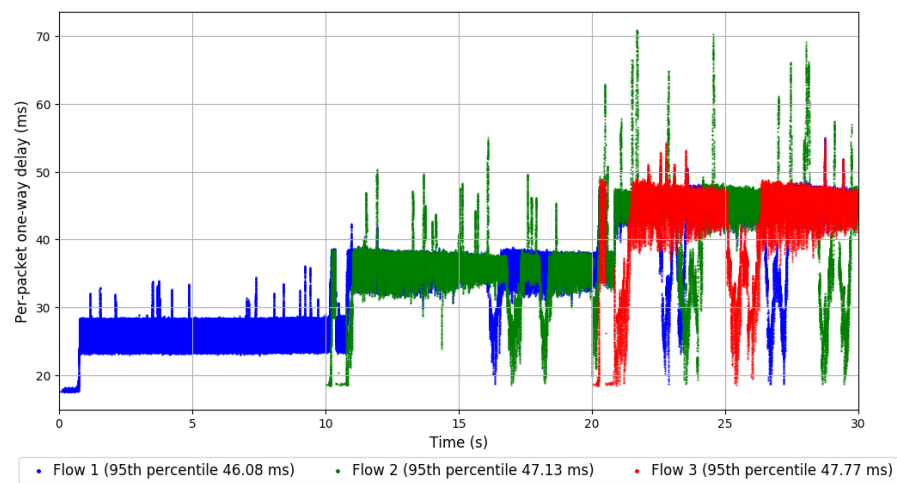
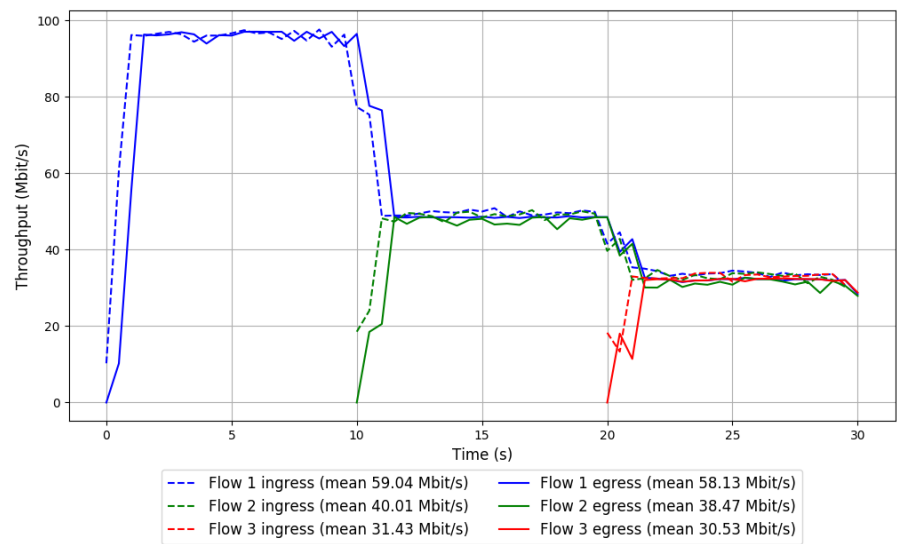


Run 3: Statistics of FillP

Start at: 2018-07-18 09:59:58
End at: 2018-07-18 10:00:28
Local clock offset: 1.604 ms
Remote clock offset: -4.317 ms

Below is generated by plot.py at 2018-07-18 12:45:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.83 Mbit/s
95th percentile per-packet one-way delay: 46.845 ms
Loss rate: 2.49%
-- Flow 1:
Average throughput: 58.13 Mbit/s
95th percentile per-packet one-way delay: 46.078 ms
Loss rate: 1.66%
-- Flow 2:
Average throughput: 38.47 Mbit/s
95th percentile per-packet one-way delay: 47.130 ms
Loss rate: 4.03%
-- Flow 3:
Average throughput: 30.53 Mbit/s
95th percentile per-packet one-way delay: 47.766 ms
Loss rate: 3.20%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-18 10:20:40

End at: 2018-07-18 10:21:10

Local clock offset: 2.257 ms

Remote clock offset: -3.3 ms

Below is generated by plot.py at 2018-07-18 12:46:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.49 Mbit/s

95th percentile per-packet one-way delay: 54.332 ms

Loss rate: 2.50%

-- Flow 1:

Average throughput: 55.06 Mbit/s

95th percentile per-packet one-way delay: 53.301 ms

Loss rate: 1.81%

-- Flow 2:

Average throughput: 35.27 Mbit/s

95th percentile per-packet one-way delay: 55.975 ms

Loss rate: 3.56%

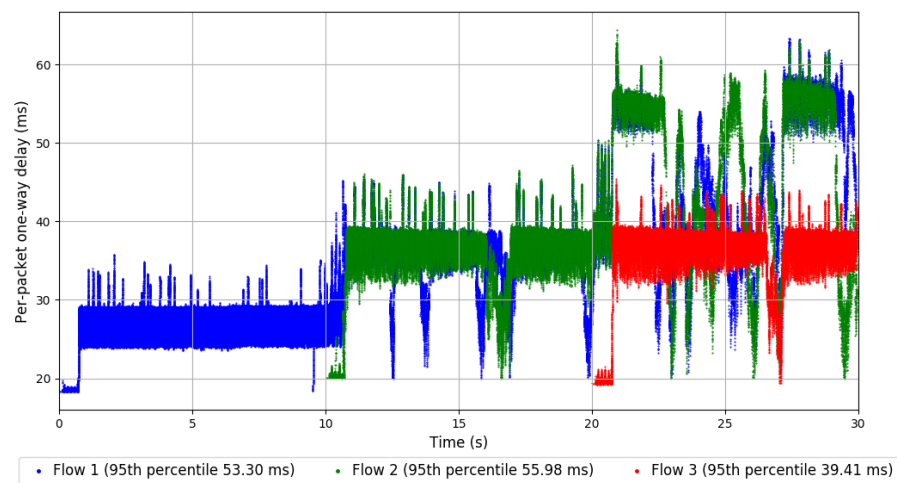
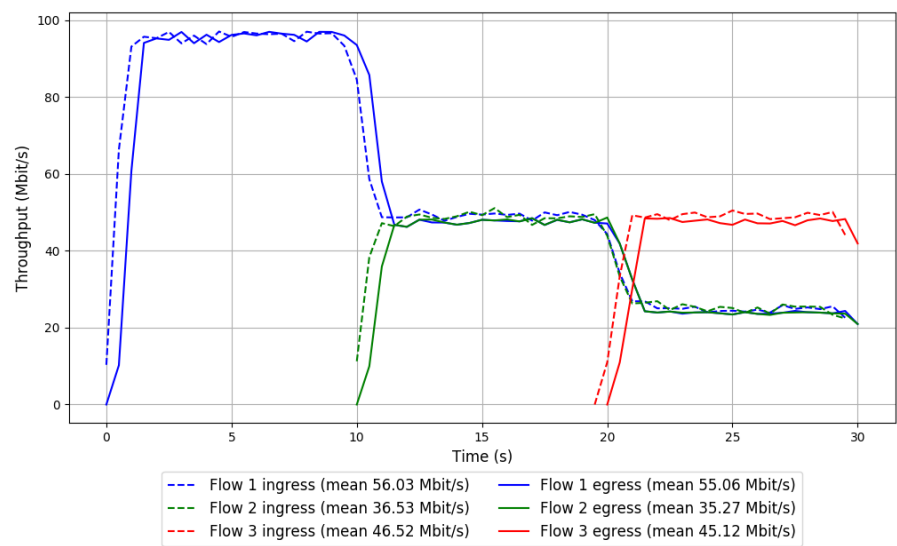
-- Flow 3:

Average throughput: 45.12 Mbit/s

95th percentile per-packet one-way delay: 39.409 ms

Loss rate: 3.32%

Run 4: Report of FillP — Data Link

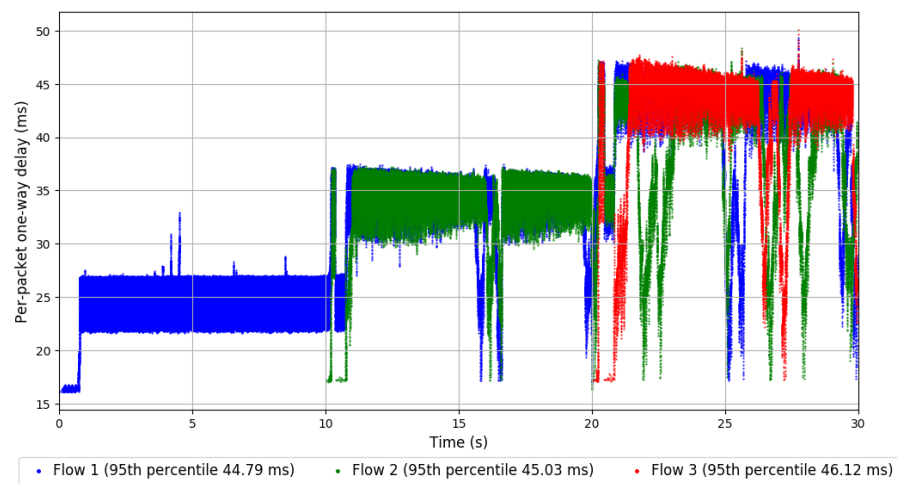
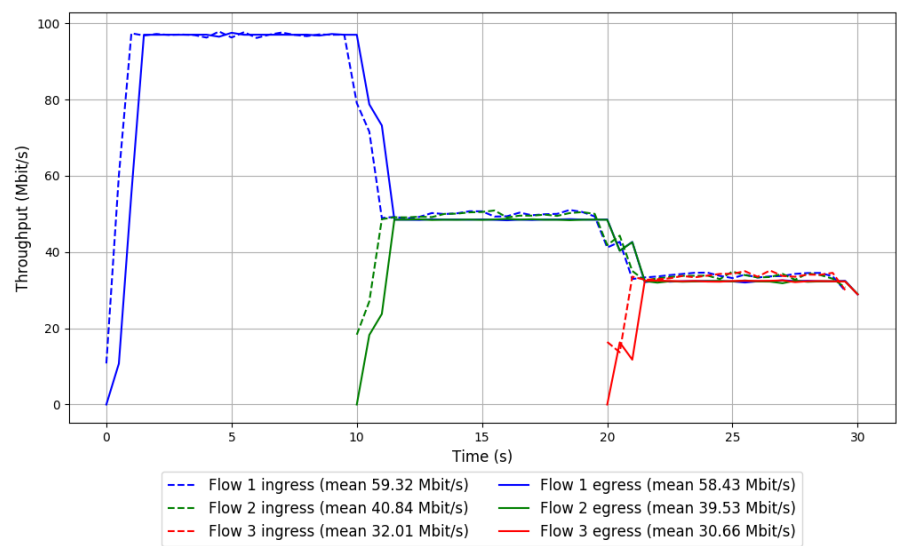


Run 5: Statistics of FillP

Start at: 2018-07-18 10:41:10
End at: 2018-07-18 10:41:40
Local clock offset: -0.503 ms
Remote clock offset: -0.877 ms

Below is generated by plot.py at 2018-07-18 12:46:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.89 Mbit/s
95th percentile per-packet one-way delay: 45.264 ms
Loss rate: 2.37%
-- Flow 1:
Average throughput: 58.43 Mbit/s
95th percentile per-packet one-way delay: 44.793 ms
Loss rate: 1.56%
-- Flow 2:
Average throughput: 39.53 Mbit/s
95th percentile per-packet one-way delay: 45.027 ms
Loss rate: 3.33%
-- Flow 3:
Average throughput: 30.66 Mbit/s
95th percentile per-packet one-way delay: 46.116 ms
Loss rate: 4.43%

Run 5: Report of FillP — Data Link

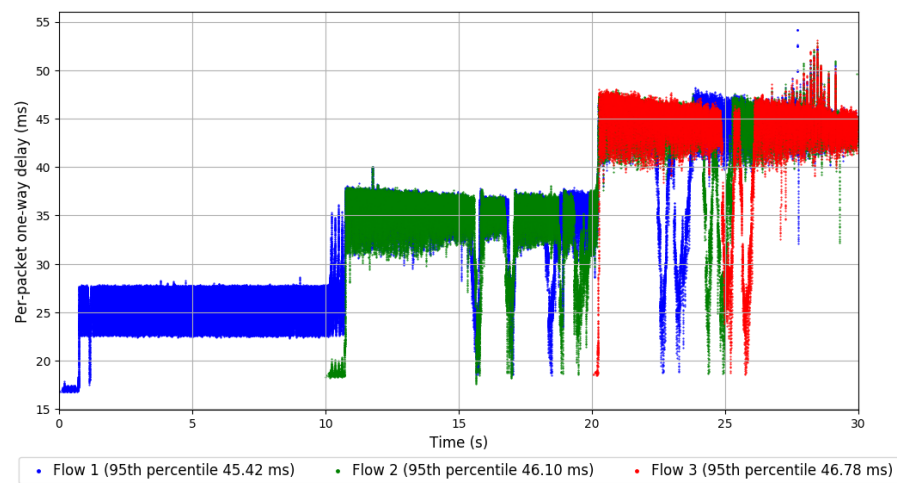
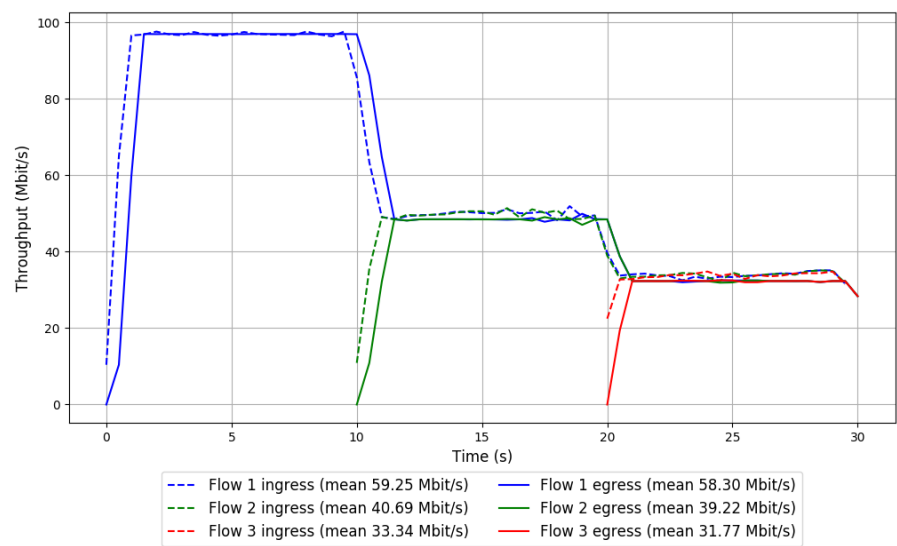


Run 6: Statistics of FillP

Start at: 2018-07-18 11:01:26
End at: 2018-07-18 11:01:56
Local clock offset: 1.129 ms
Remote clock offset: -0.364 ms

Below is generated by plot.py at 2018-07-18 12:46:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.91 Mbit/s
95th percentile per-packet one-way delay: 45.998 ms
Loss rate: 2.68%
-- Flow 1:
Average throughput: 58.30 Mbit/s
95th percentile per-packet one-way delay: 45.416 ms
Loss rate: 1.73%
-- Flow 2:
Average throughput: 39.22 Mbit/s
95th percentile per-packet one-way delay: 46.105 ms
Loss rate: 3.79%
-- Flow 3:
Average throughput: 31.77 Mbit/s
95th percentile per-packet one-way delay: 46.784 ms
Loss rate: 5.09%

Run 6: Report of FillP — Data Link

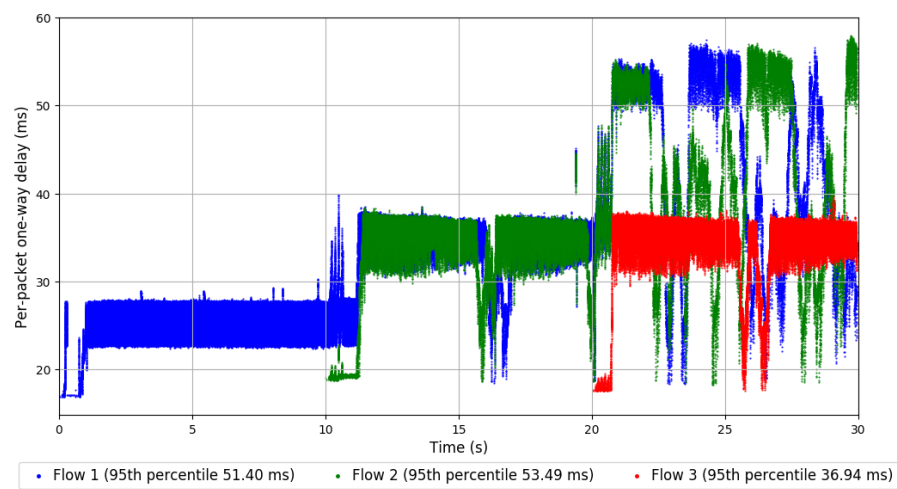
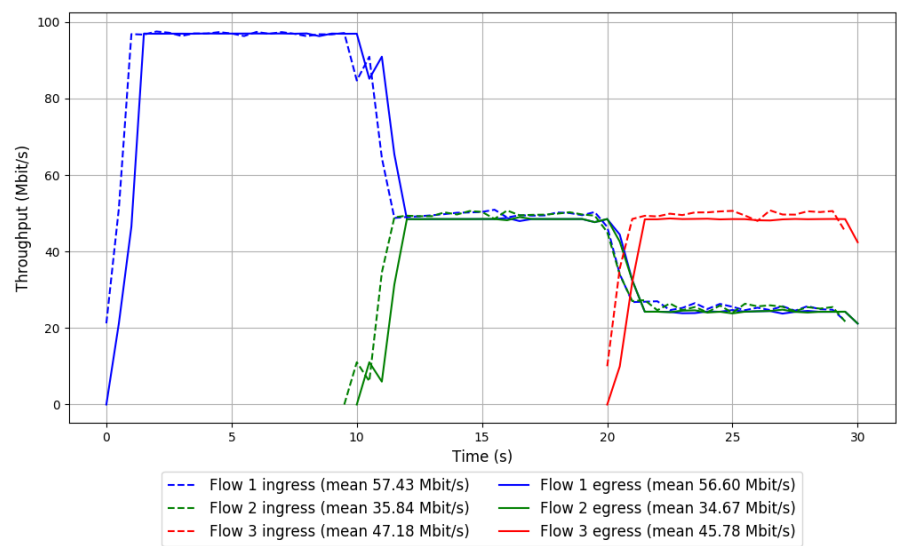


Run 7: Statistics of FillP

Start at: 2018-07-18 11:22:05
End at: 2018-07-18 11:22:35
Local clock offset: 2.404 ms
Remote clock offset: -0.531 ms

Below is generated by plot.py at 2018-07-18 12:46:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.85 Mbit/s
95th percentile per-packet one-way delay: 51.872 ms
Loss rate: 2.26%
-- Flow 1:
Average throughput: 56.60 Mbit/s
95th percentile per-packet one-way delay: 51.398 ms
Loss rate: 1.51%
-- Flow 2:
Average throughput: 34.67 Mbit/s
95th percentile per-packet one-way delay: 53.488 ms
Loss rate: 3.45%
-- Flow 3:
Average throughput: 45.78 Mbit/s
95th percentile per-packet one-way delay: 36.943 ms
Loss rate: 3.18%

Run 7: Report of FillP — Data Link

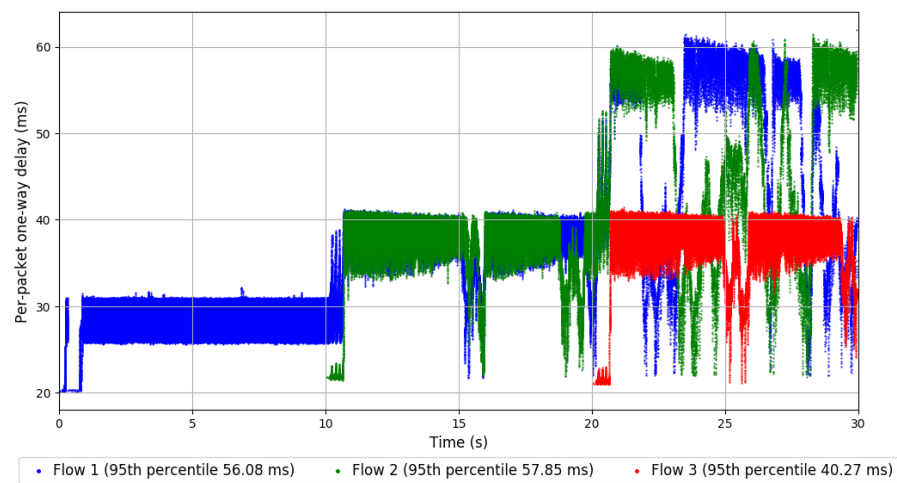
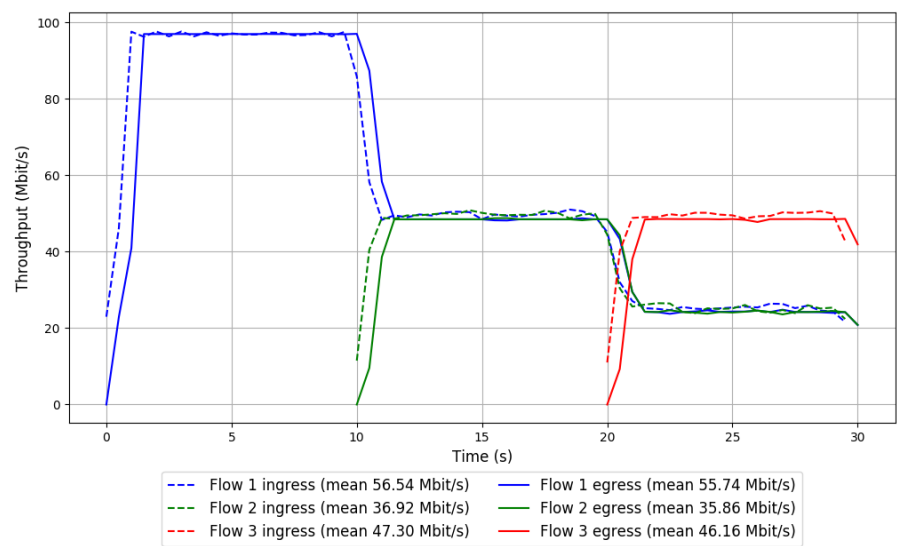


Run 8: Statistics of FillP

Start at: 2018-07-18 11:42:32
End at: 2018-07-18 11:43:02
Local clock offset: 0.814 ms
Remote clock offset: -8.033 ms

Below is generated by plot.py at 2018-07-18 12:46:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.86 Mbit/s
95th percentile per-packet one-way delay: 56.474 ms
Loss rate: 2.09%
-- Flow 1:
Average throughput: 55.74 Mbit/s
95th percentile per-packet one-way delay: 56.079 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 35.86 Mbit/s
95th percentile per-packet one-way delay: 57.851 ms
Loss rate: 3.06%
-- Flow 3:
Average throughput: 46.16 Mbit/s
95th percentile per-packet one-way delay: 40.267 ms
Loss rate: 2.68%

Run 8: Report of FillP — Data Link

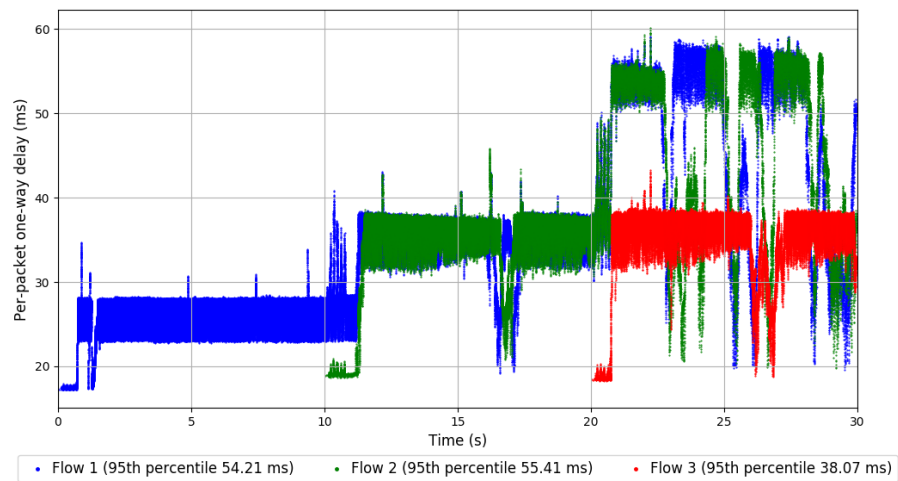
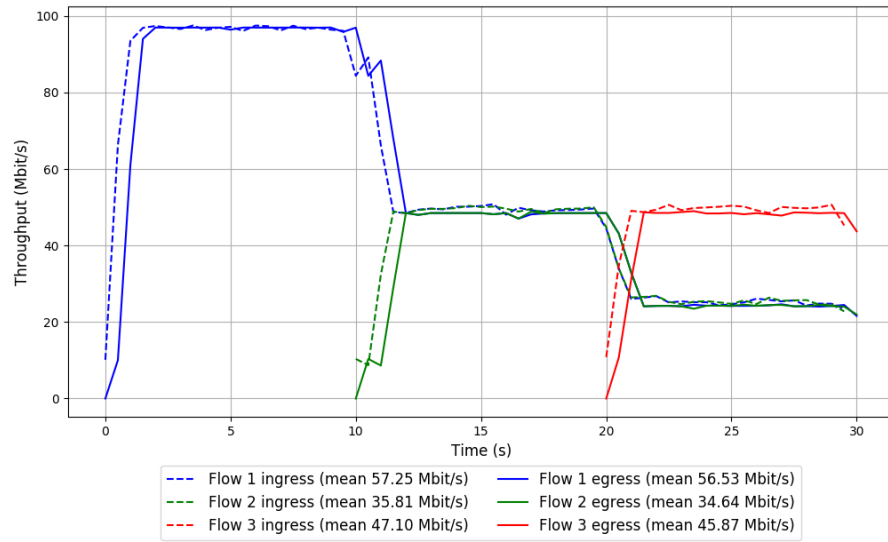


Run 9: Statistics of FillP

Start at: 2018-07-18 12:02:46
End at: 2018-07-18 12:03:16
Local clock offset: 0.753 ms
Remote clock offset: -3.313 ms

Below is generated by plot.py at 2018-07-18 12:46:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.77 Mbit/s
95th percentile per-packet one-way delay: 54.413 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 56.53 Mbit/s
95th percentile per-packet one-way delay: 54.208 ms
Loss rate: 1.34%
-- Flow 2:
Average throughput: 34.64 Mbit/s
95th percentile per-packet one-way delay: 55.411 ms
Loss rate: 3.38%
-- Flow 3:
Average throughput: 45.87 Mbit/s
95th percentile per-packet one-way delay: 38.066 ms
Loss rate: 2.84%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-18 12:23:14

End at: 2018-07-18 12:23:44

Local clock offset: -1.197 ms

Remote clock offset: 2.517 ms

Below is generated by plot.py at 2018-07-18 12:46:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.97 Mbit/s

95th percentile per-packet one-way delay: 44.077 ms

Loss rate: 2.44%

-- Flow 1:

Average throughput: 59.16 Mbit/s

95th percentile per-packet one-way delay: 43.582 ms

Loss rate: 1.64%

-- Flow 2:

Average throughput: 38.45 Mbit/s

95th percentile per-packet one-way delay: 44.039 ms

Loss rate: 3.57%

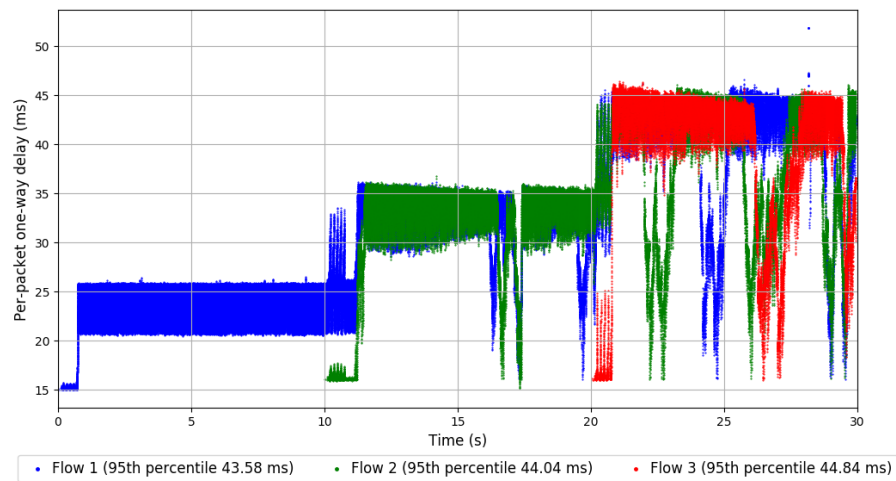
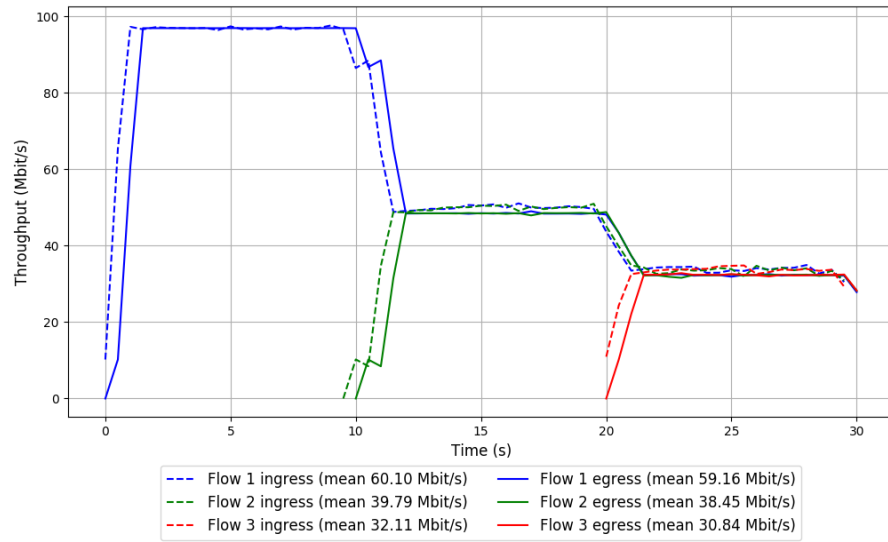
-- Flow 3:

Average throughput: 30.84 Mbit/s

95th percentile per-packet one-way delay: 44.840 ms

Loss rate: 4.13%

Run 10: Report of FillP — Data Link

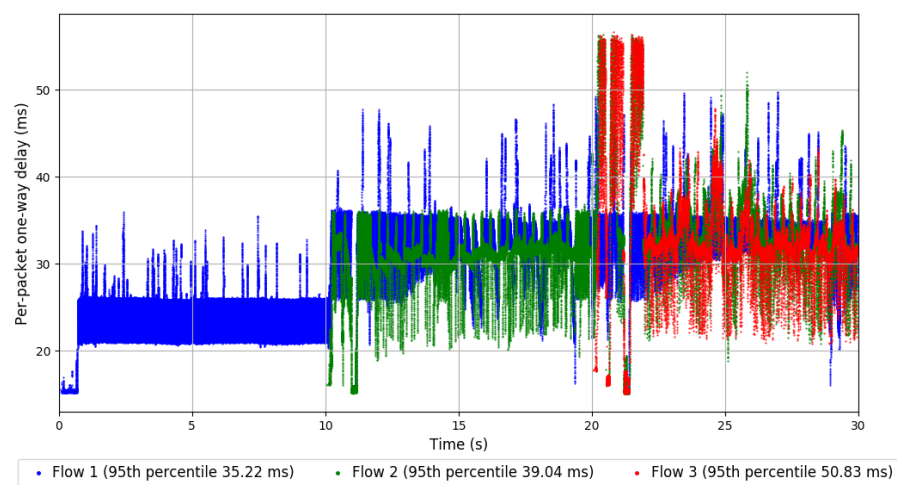
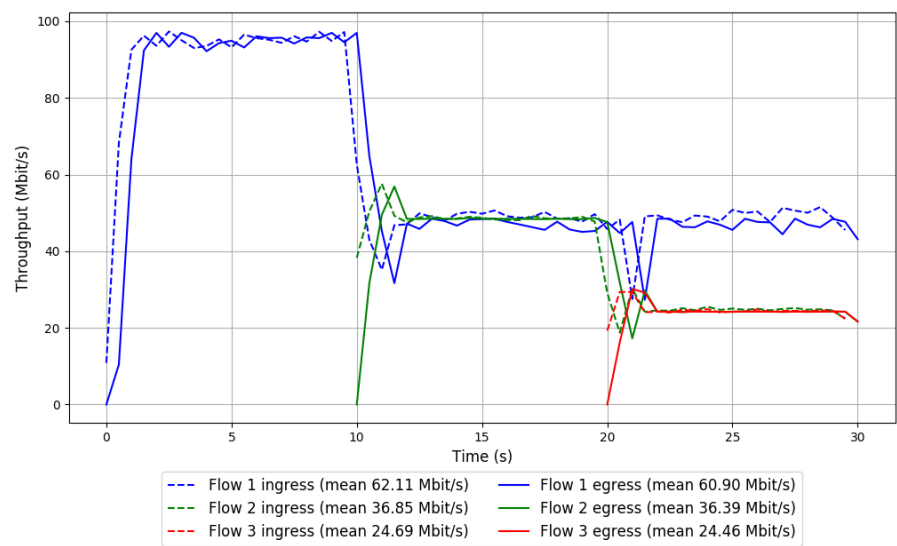


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-18 09:09:35
End at: 2018-07-18 09:10:05
Local clock offset: -0.717 ms
Remote clock offset: -2.549 ms

Below is generated by plot.py at 2018-07-18 12:47:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.20 Mbit/s
95th percentile per-packet one-way delay: 37.336 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 60.90 Mbit/s
95th percentile per-packet one-way delay: 35.219 ms
Loss rate: 2.07%
-- Flow 2:
Average throughput: 36.39 Mbit/s
95th percentile per-packet one-way delay: 39.043 ms
Loss rate: 1.36%
-- Flow 3:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 50.829 ms
Loss rate: 1.18%

Run 1: Report of FillP-Sheep — Data Link

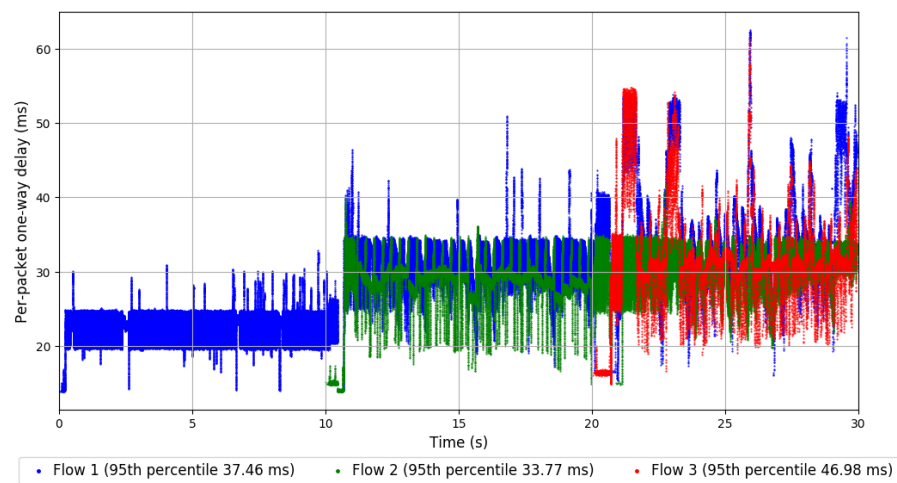
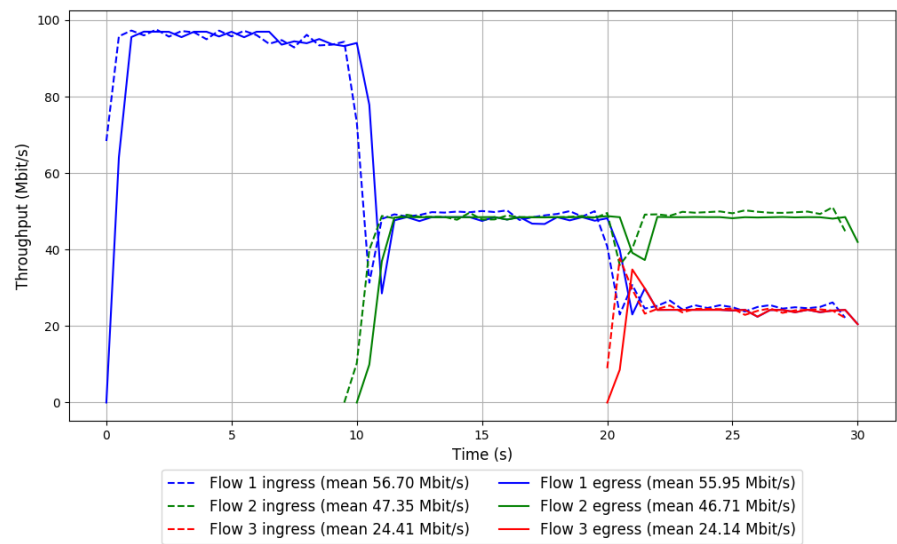


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-18 09:30:17
End at: 2018-07-18 09:30:47
Local clock offset: -0.382 ms
Remote clock offset: -3.066 ms

Below is generated by plot.py at 2018-07-18 12:47:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 36.270 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 55.95 Mbit/s
95th percentile per-packet one-way delay: 37.461 ms
Loss rate: 1.38%
-- Flow 2:
Average throughput: 46.71 Mbit/s
95th percentile per-packet one-way delay: 33.770 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 24.14 Mbit/s
95th percentile per-packet one-way delay: 46.982 ms
Loss rate: 1.39%

Run 2: Report of FillP-Sheep — Data Link

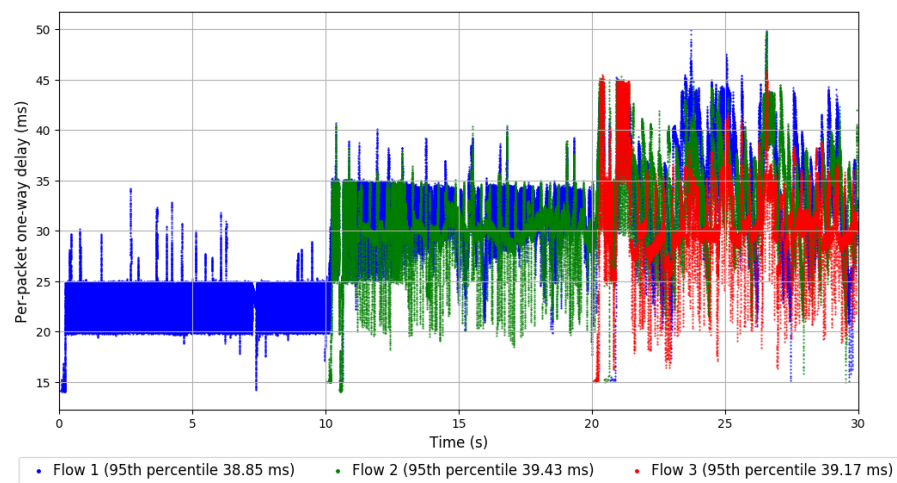
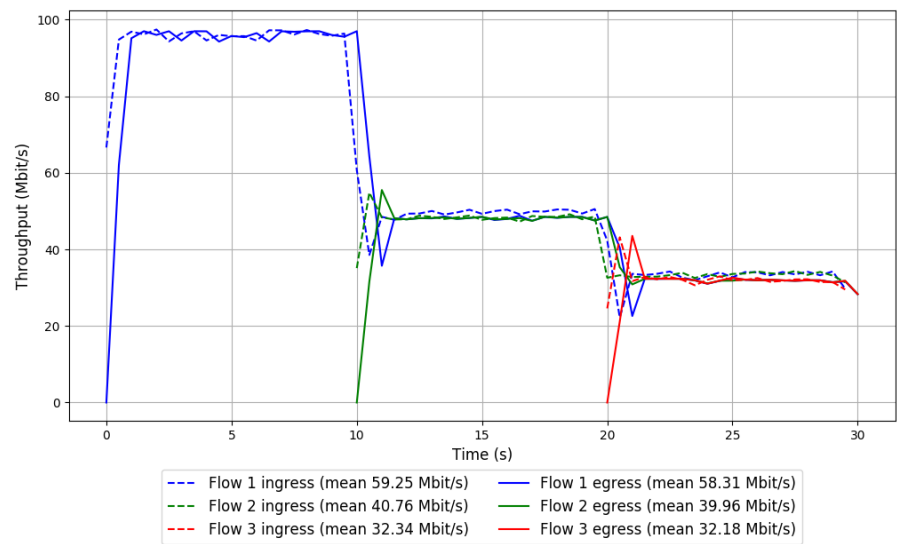


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-18 09:58:47
End at: 2018-07-18 09:59:17
Local clock offset: -1.242 ms
Remote clock offset: -3.676 ms

Below is generated by plot.py at 2018-07-18 12:47:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.52 Mbit/s
95th percentile per-packet one-way delay: 39.086 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 58.31 Mbit/s
95th percentile per-packet one-way delay: 38.853 ms
Loss rate: 1.66%
-- Flow 2:
Average throughput: 39.96 Mbit/s
95th percentile per-packet one-way delay: 39.426 ms
Loss rate: 2.09%
-- Flow 3:
Average throughput: 32.18 Mbit/s
95th percentile per-packet one-way delay: 39.171 ms
Loss rate: 0.76%

Run 3: Report of FillP-Sheep — Data Link

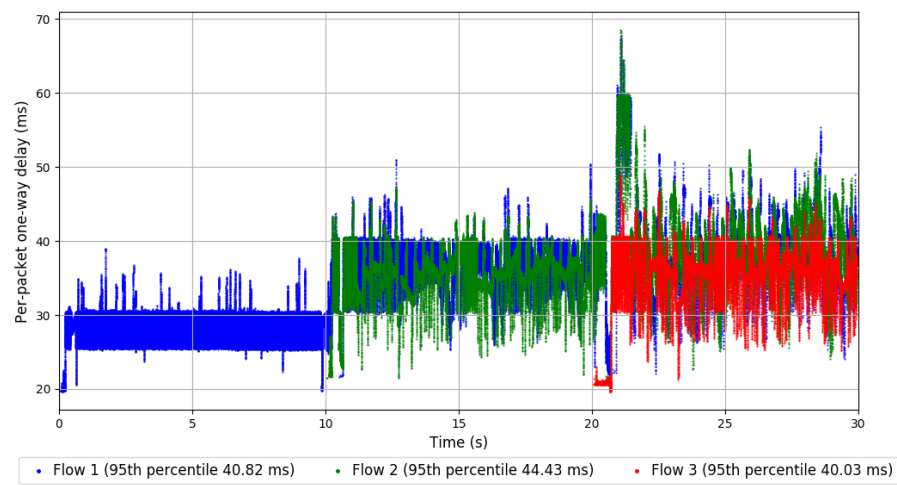
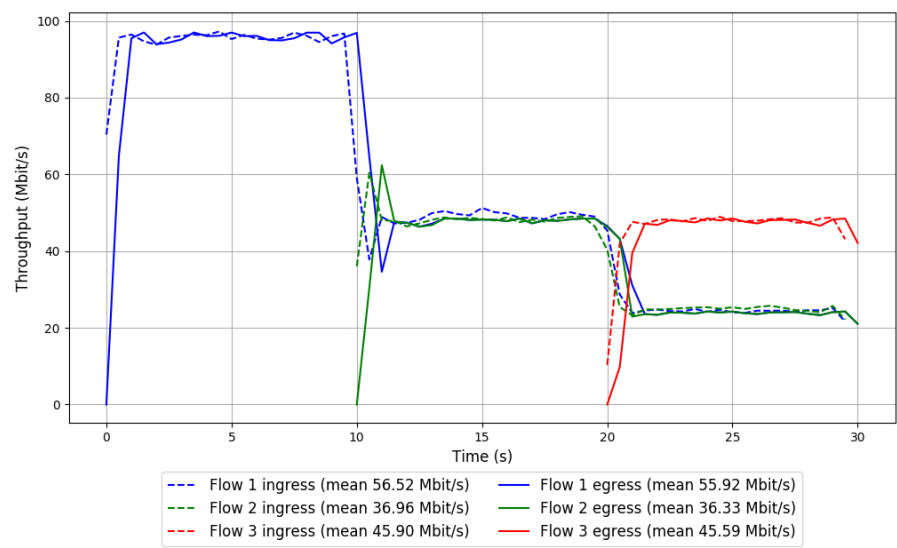


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-18 10:19:26
End at: 2018-07-18 10:19:56
Local clock offset: 3.139 ms
Remote clock offset: -3.841 ms

Below is generated by plot.py at 2018-07-18 12:47:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.19 Mbit/s
95th percentile per-packet one-way delay: 41.977 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 55.92 Mbit/s
95th percentile per-packet one-way delay: 40.820 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 36.33 Mbit/s
95th percentile per-packet one-way delay: 44.433 ms
Loss rate: 1.84%
-- Flow 3:
Average throughput: 45.59 Mbit/s
95th percentile per-packet one-way delay: 40.035 ms
Loss rate: 0.93%

Run 4: Report of FillP-Sheep — Data Link

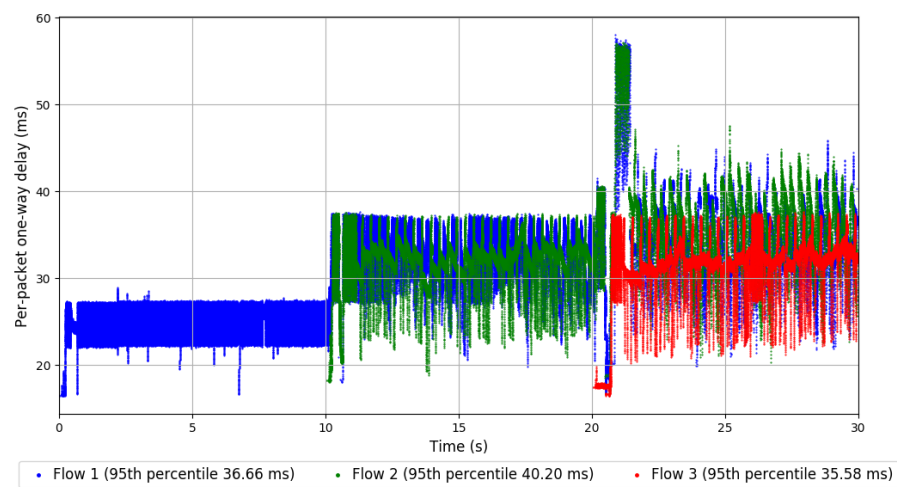
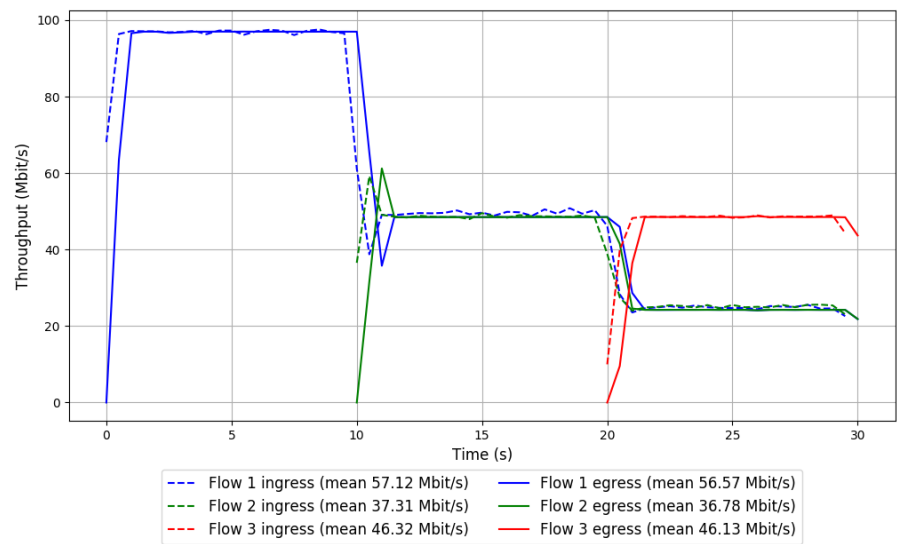


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-18 10:40:01
End at: 2018-07-18 10:40:31
Local clock offset: -0.608 ms
Remote clock offset: -1.348 ms

Below is generated by plot.py at 2018-07-18 12:47:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.32 Mbit/s
95th percentile per-packet one-way delay: 37.544 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 56.57 Mbit/s
95th percentile per-packet one-way delay: 36.660 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 36.78 Mbit/s
95th percentile per-packet one-way delay: 40.197 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 46.13 Mbit/s
95th percentile per-packet one-way delay: 35.580 ms
Loss rate: 0.66%

Run 5: Report of FillP-Sheep — Data Link

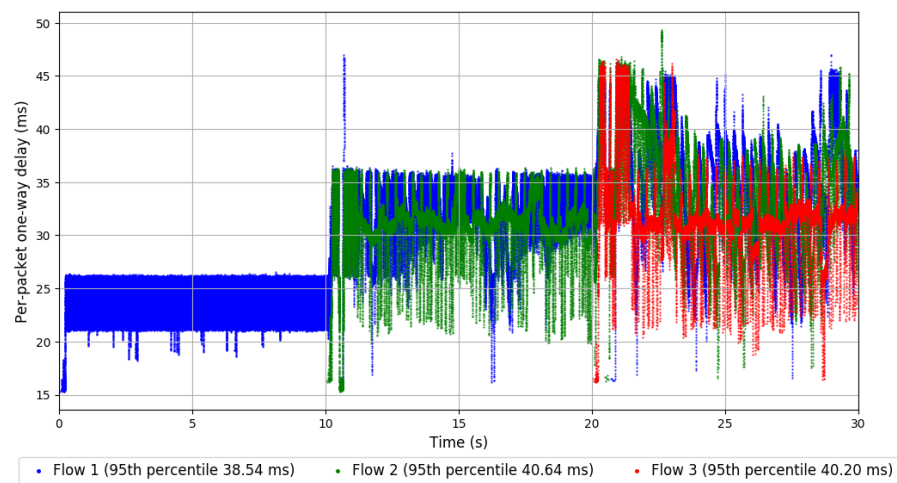
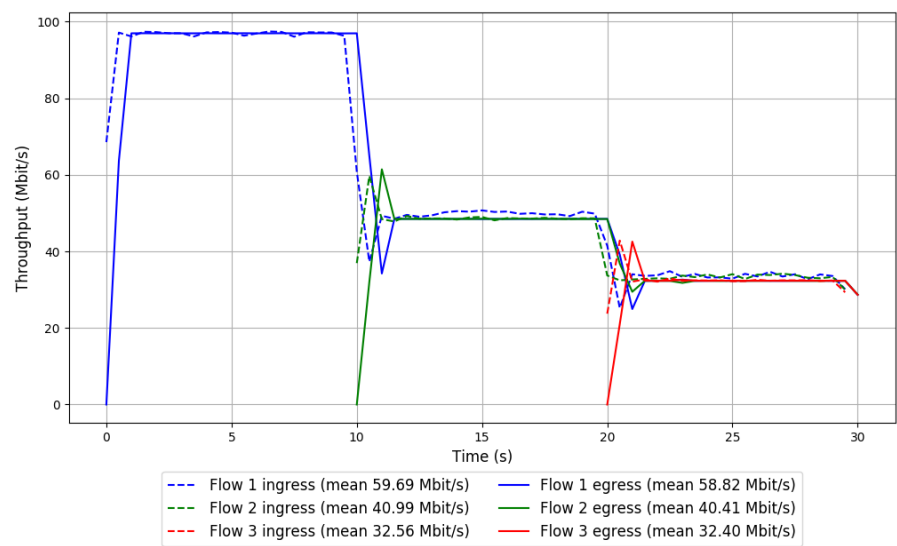


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-18 11:00:13
End at: 2018-07-18 11:00:43
Local clock offset: -0.924 ms
Remote clock offset: -0.786 ms

Below is generated by plot.py at 2018-07-18 12:47:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.44 Mbit/s
95th percentile per-packet one-way delay: 39.428 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 58.82 Mbit/s
95th percentile per-packet one-way delay: 38.540 ms
Loss rate: 1.53%
-- Flow 2:
Average throughput: 40.41 Mbit/s
95th percentile per-packet one-way delay: 40.640 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 32.40 Mbit/s
95th percentile per-packet one-way delay: 40.202 ms
Loss rate: 0.72%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-18 11:20:54

End at: 2018-07-18 11:21:24

Local clock offset: 1.995 ms

Remote clock offset: 0.086 ms

Below is generated by plot.py at 2018-07-18 12:48:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.42 Mbit/s

95th percentile per-packet one-way delay: 40.810 ms

Loss rate: 1.43%

-- Flow 1:

Average throughput: 58.78 Mbit/s

95th percentile per-packet one-way delay: 39.431 ms

Loss rate: 1.50%

-- Flow 2:

Average throughput: 40.44 Mbit/s

95th percentile per-packet one-way delay: 41.880 ms

Loss rate: 1.59%

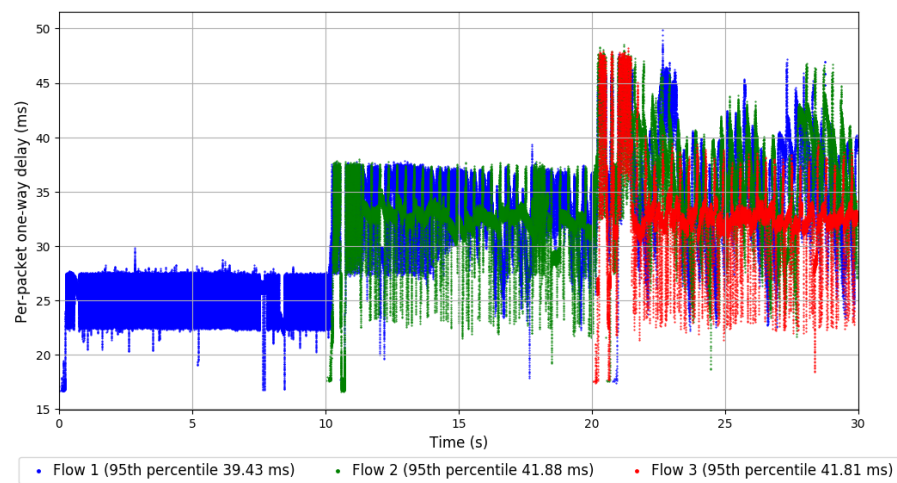
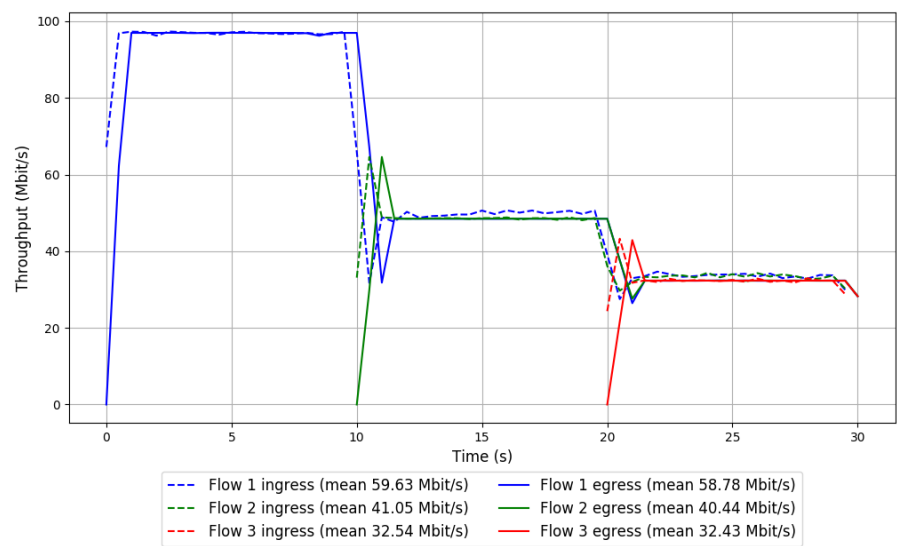
-- Flow 3:

Average throughput: 32.43 Mbit/s

95th percentile per-packet one-way delay: 41.808 ms

Loss rate: 0.60%

Run 7: Report of FillP-Sheep — Data Link

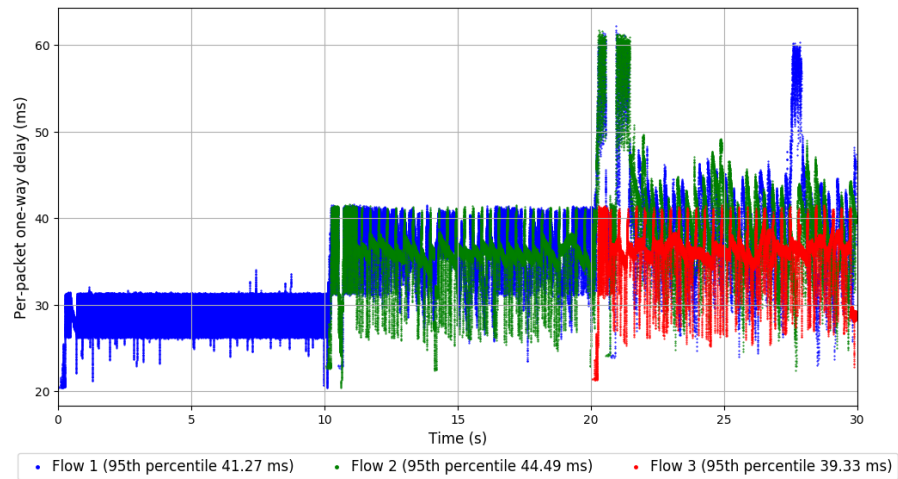
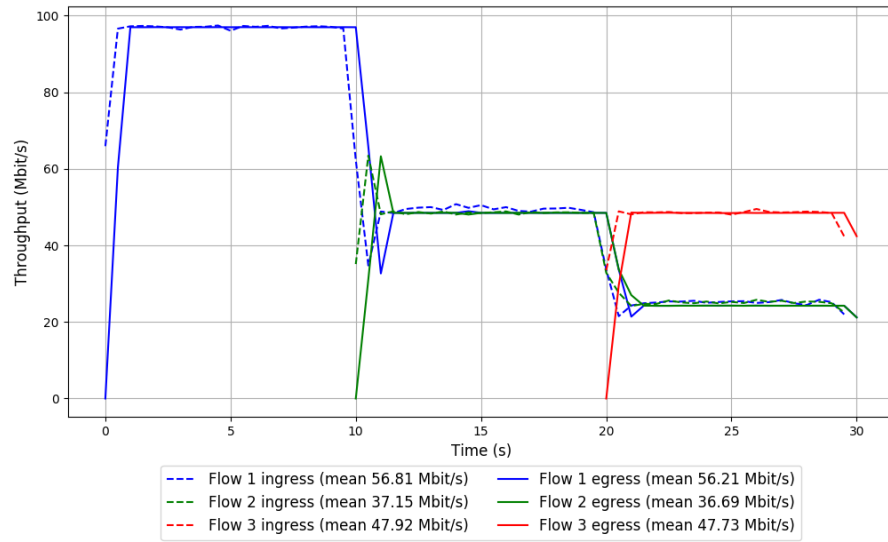


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-18 11:41:20
End at: 2018-07-18 11:41:50
Local clock offset: 1.487 ms
Remote clock offset: -7.564 ms

Below is generated by plot.py at 2018-07-18 12:48:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.41 Mbit/s
95th percentile per-packet one-way delay: 42.000 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 56.21 Mbit/s
95th percentile per-packet one-way delay: 41.273 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 36.69 Mbit/s
95th percentile per-packet one-way delay: 44.495 ms
Loss rate: 1.38%
-- Flow 3:
Average throughput: 47.73 Mbit/s
95th percentile per-packet one-way delay: 39.333 ms
Loss rate: 0.66%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-18 12:01:36

End at: 2018-07-18 12:02:06

Local clock offset: -0.142 ms

Remote clock offset: -4.2 ms

Below is generated by plot.py at 2018-07-18 12:48:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.33 Mbit/s

95th percentile per-packet one-way delay: 37.620 ms

Loss rate: 1.28%

-- Flow 1:

Average throughput: 61.96 Mbit/s

95th percentile per-packet one-way delay: 36.638 ms

Loss rate: 1.35%

-- Flow 2:

Average throughput: 36.46 Mbit/s

95th percentile per-packet one-way delay: 41.638 ms

Loss rate: 1.01%

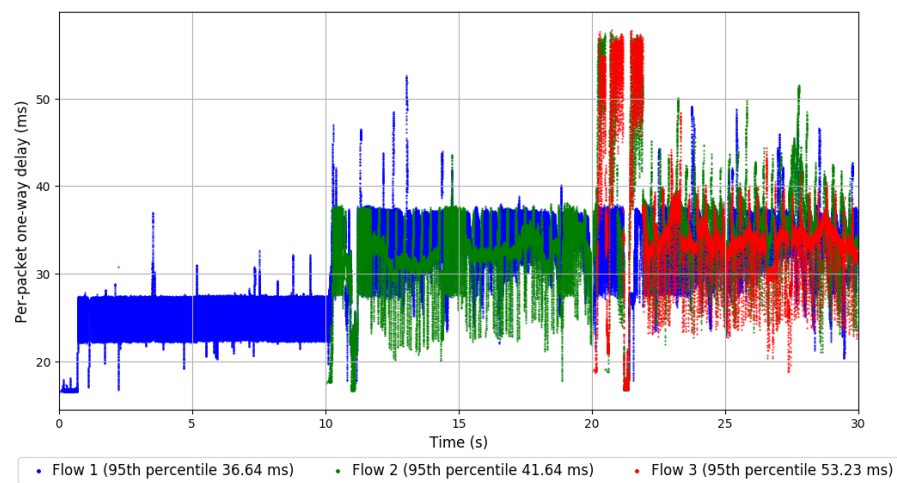
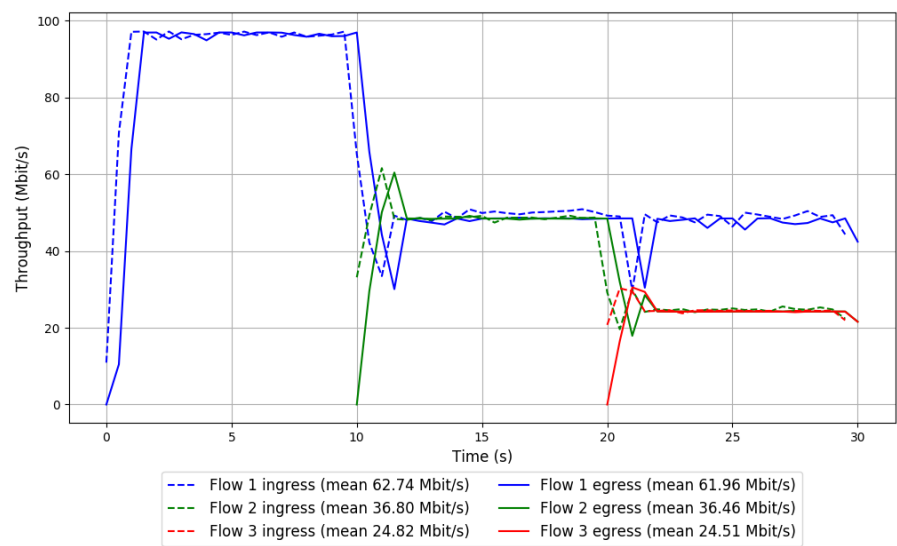
-- Flow 3:

Average throughput: 24.51 Mbit/s

95th percentile per-packet one-way delay: 53.225 ms

Loss rate: 1.49%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-18 12:22:05

End at: 2018-07-18 12:22:35

Local clock offset: -1.655 ms

Remote clock offset: 1.097 ms

Below is generated by plot.py at 2018-07-18 12:48:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.93 Mbit/s

95th percentile per-packet one-way delay: 36.480 ms

Loss rate: 1.26%

-- Flow 1:

Average throughput: 64.17 Mbit/s

95th percentile per-packet one-way delay: 35.452 ms

Loss rate: 1.15%

-- Flow 2:

Average throughput: 35.75 Mbit/s

95th percentile per-packet one-way delay: 40.733 ms

Loss rate: 1.59%

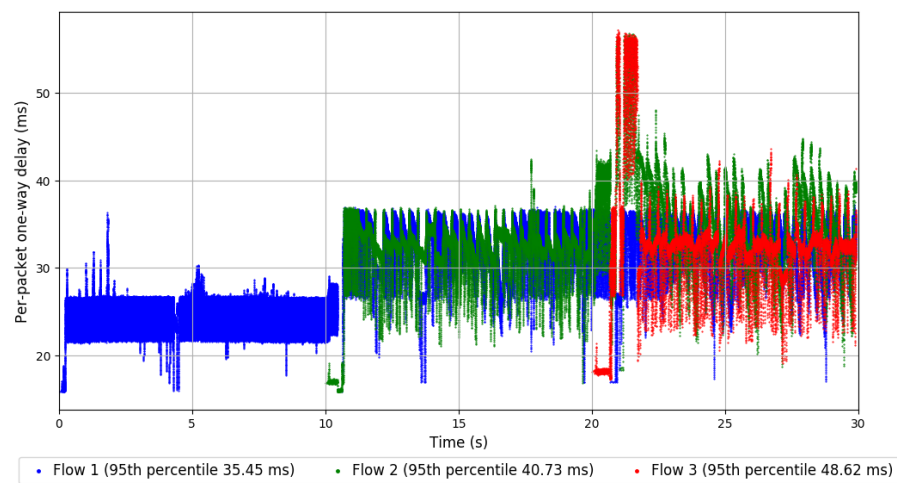
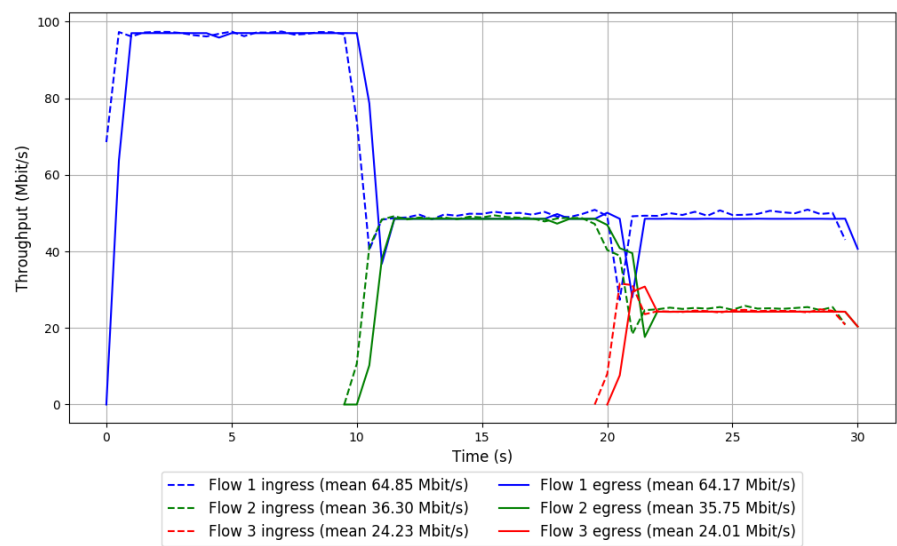
-- Flow 3:

Average throughput: 24.01 Mbit/s

95th percentile per-packet one-way delay: 48.625 ms

Loss rate: 1.09%

Run 10: Report of FillP-Sheep — Data Link

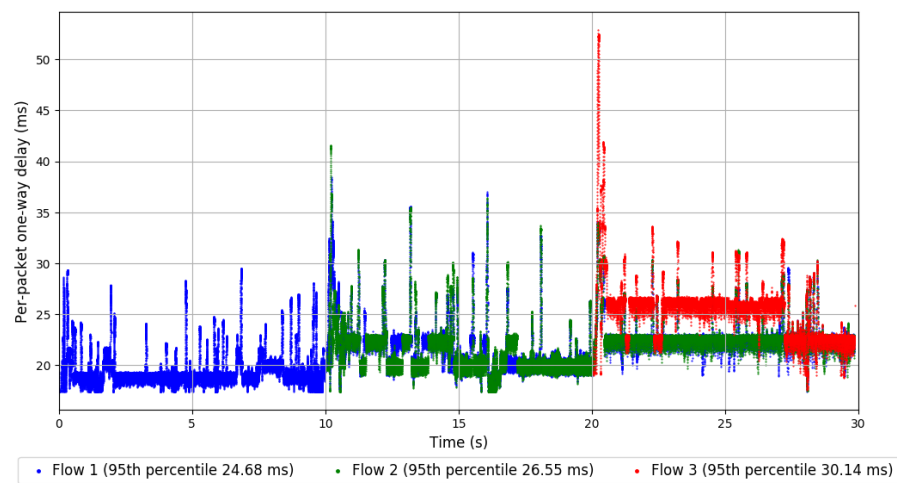
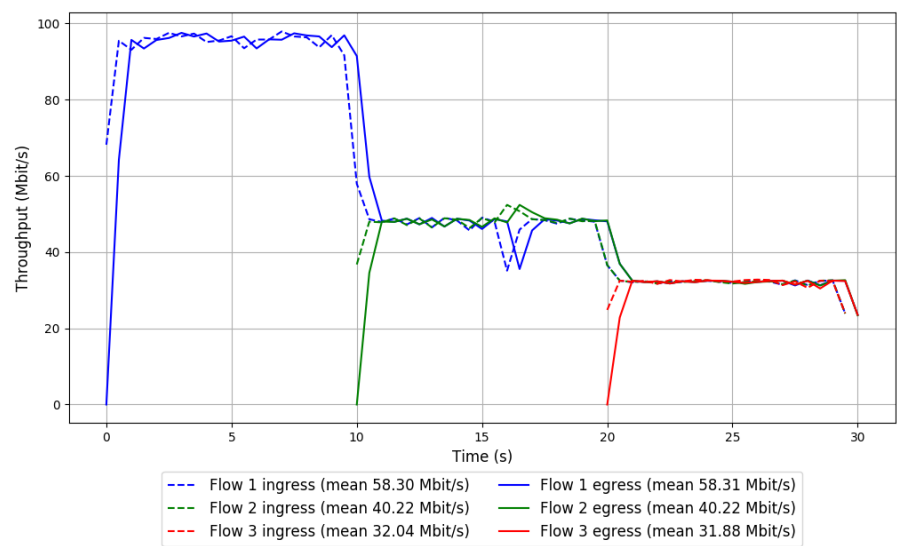


Run 1: Statistics of Indigo

Start at: 2018-07-18 09:21:59
End at: 2018-07-18 09:22:29
Local clock offset: 0.311 ms
Remote clock offset: -5.396 ms

Below is generated by plot.py at 2018-07-18 12:48:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.50 Mbit/s
95th percentile per-packet one-way delay: 26.479 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 58.31 Mbit/s
95th percentile per-packet one-way delay: 24.685 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.22 Mbit/s
95th percentile per-packet one-way delay: 26.548 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.88 Mbit/s
95th percentile per-packet one-way delay: 30.137 ms
Loss rate: 0.75%

Run 1: Report of Indigo — Data Link

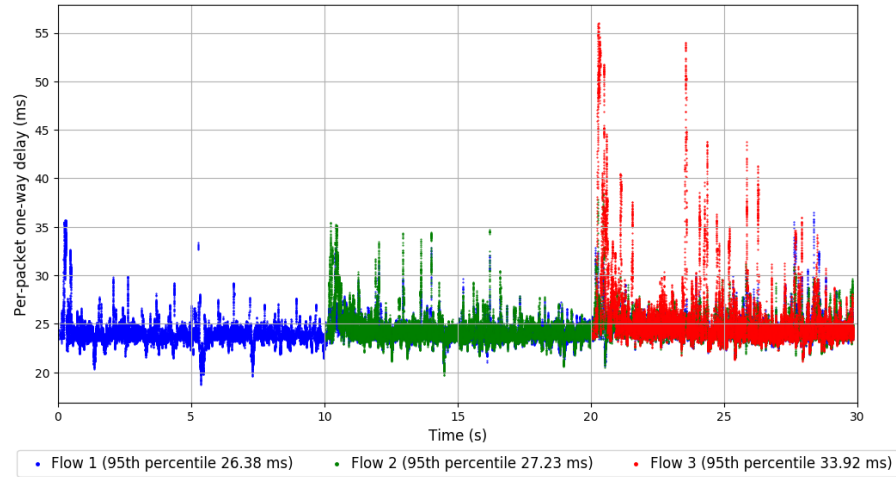
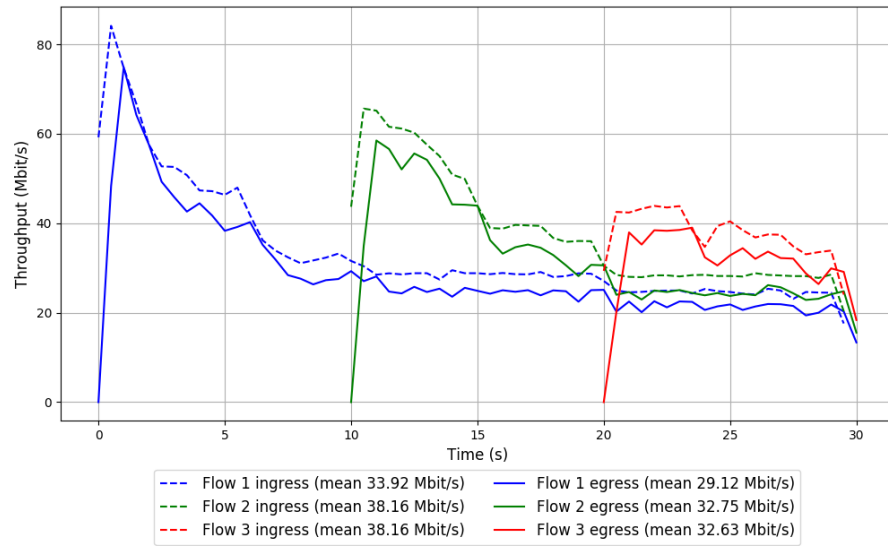


Run 2: Statistics of Indigo

Start at: 2018-07-18 09:48:53
End at: 2018-07-18 09:49:23
Local clock offset: -1.264 ms
Remote clock offset: -4.998 ms

Below is generated by plot.py at 2018-07-18 12:48:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.60 Mbit/s
95th percentile per-packet one-way delay: 27.575 ms
Loss rate: 14.36%
-- Flow 1:
Average throughput: 29.12 Mbit/s
95th percentile per-packet one-way delay: 26.379 ms
Loss rate: 14.23%
-- Flow 2:
Average throughput: 32.75 Mbit/s
95th percentile per-packet one-way delay: 27.235 ms
Loss rate: 14.32%
-- Flow 3:
Average throughput: 32.63 Mbit/s
95th percentile per-packet one-way delay: 33.924 ms
Loss rate: 14.76%

Run 2: Report of Indigo — Data Link

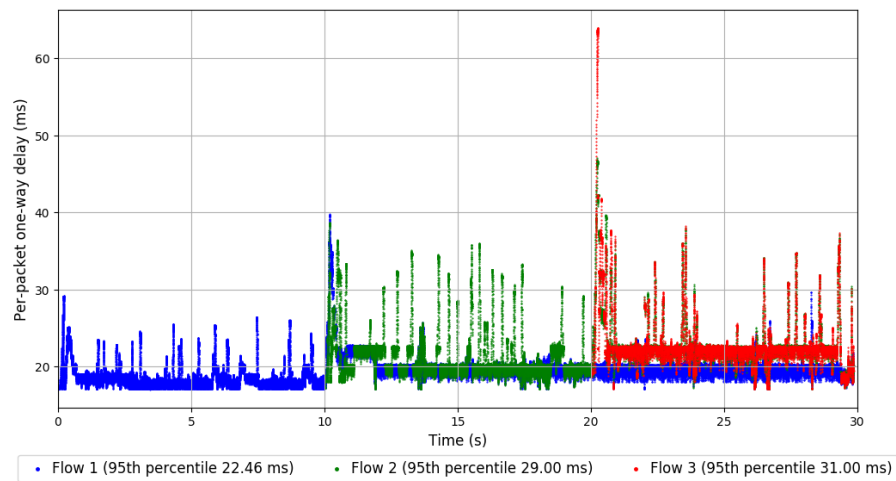
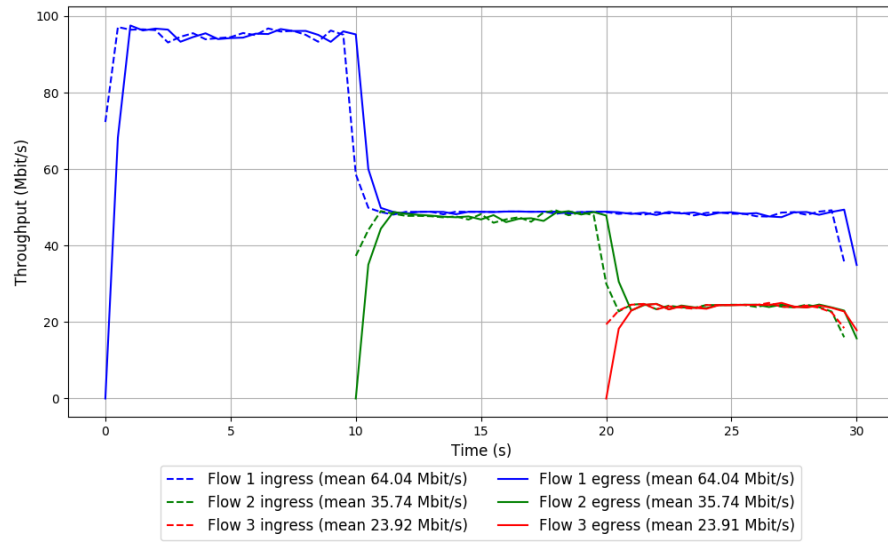


Run 3: Statistics of Indigo

Start at: 2018-07-18 10:11:02
End at: 2018-07-18 10:11:32
Local clock offset: 0.591 ms
Remote clock offset: -4.465 ms

Below is generated by plot.py at 2018-07-18 12:48:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.66 Mbit/s
95th percentile per-packet one-way delay: 23.721 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 64.04 Mbit/s
95th percentile per-packet one-way delay: 22.463 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 35.74 Mbit/s
95th percentile per-packet one-way delay: 29.005 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 23.91 Mbit/s
95th percentile per-packet one-way delay: 31.003 ms
Loss rate: 0.31%

Run 3: Report of Indigo — Data Link

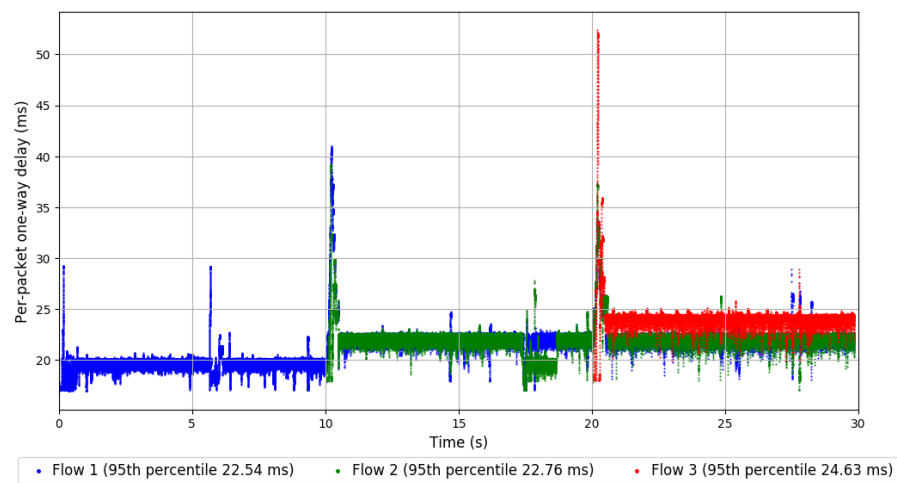
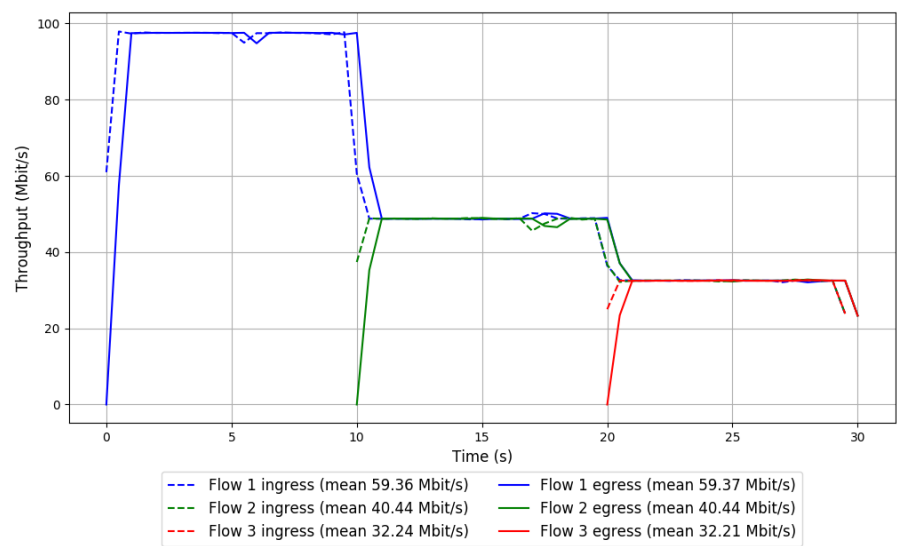


Run 4: Statistics of Indigo

Start at: 2018-07-18 10:31:31
End at: 2018-07-18 10:32:01
Local clock offset: -0.397 ms
Remote clock offset: -2.722 ms

Below is generated by plot.py at 2018-07-18 12:48:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: 24.294 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 59.37 Mbit/s
95th percentile per-packet one-way delay: 22.535 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.44 Mbit/s
95th percentile per-packet one-way delay: 22.762 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 32.21 Mbit/s
95th percentile per-packet one-way delay: 24.633 ms
Loss rate: 0.32%

Run 4: Report of Indigo — Data Link

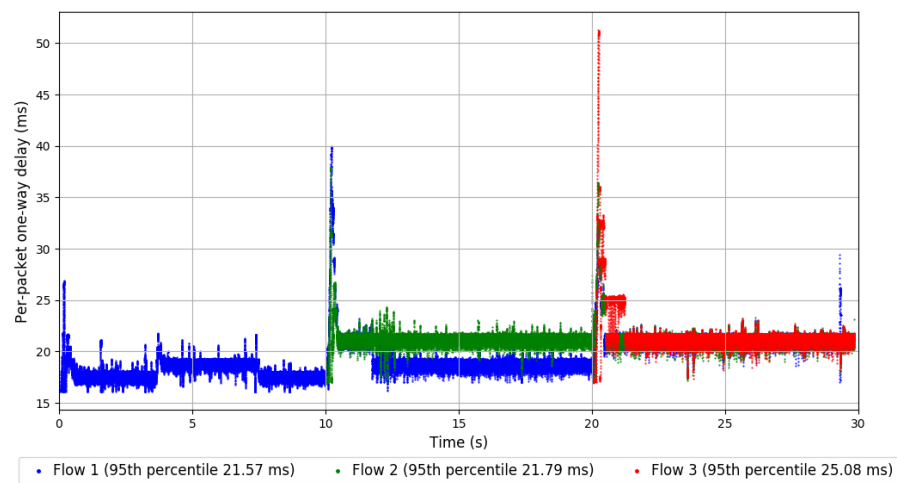
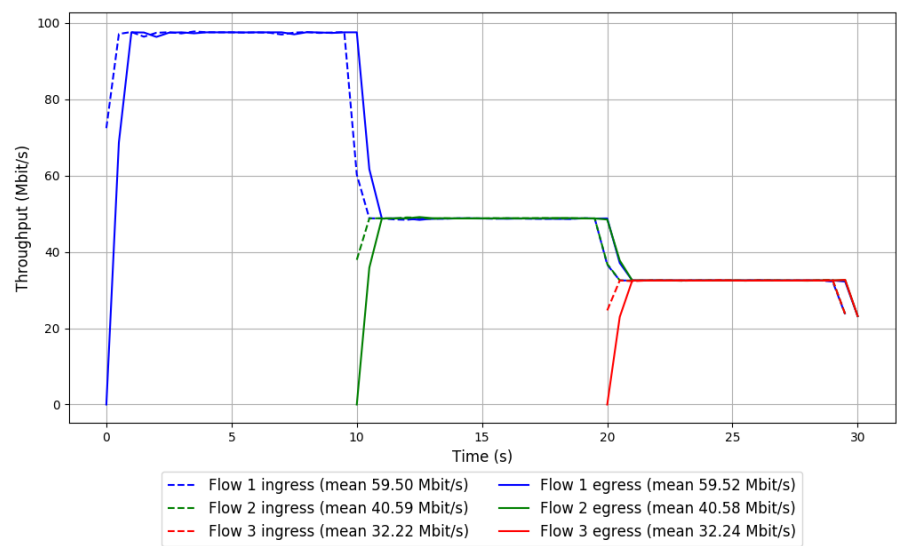


Run 5: Statistics of Indigo

Start at: 2018-07-18 10:51:55
End at: 2018-07-18 10:52:25
Local clock offset: -2.459 ms
Remote clock offset: -1.967 ms

Below is generated by plot.py at 2018-07-18 12:49:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 21.673 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 59.52 Mbit/s
95th percentile per-packet one-way delay: 21.569 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.58 Mbit/s
95th percentile per-packet one-way delay: 21.785 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.24 Mbit/s
95th percentile per-packet one-way delay: 25.082 ms
Loss rate: 0.31%

Run 5: Report of Indigo — Data Link

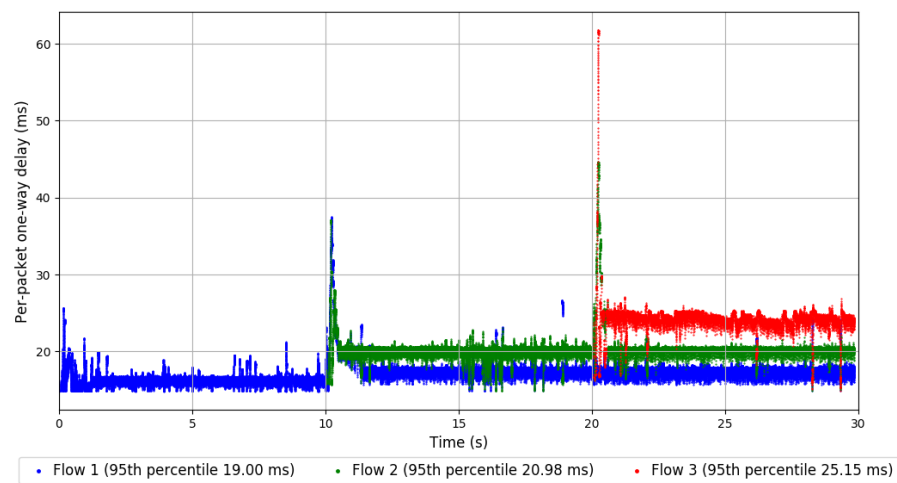
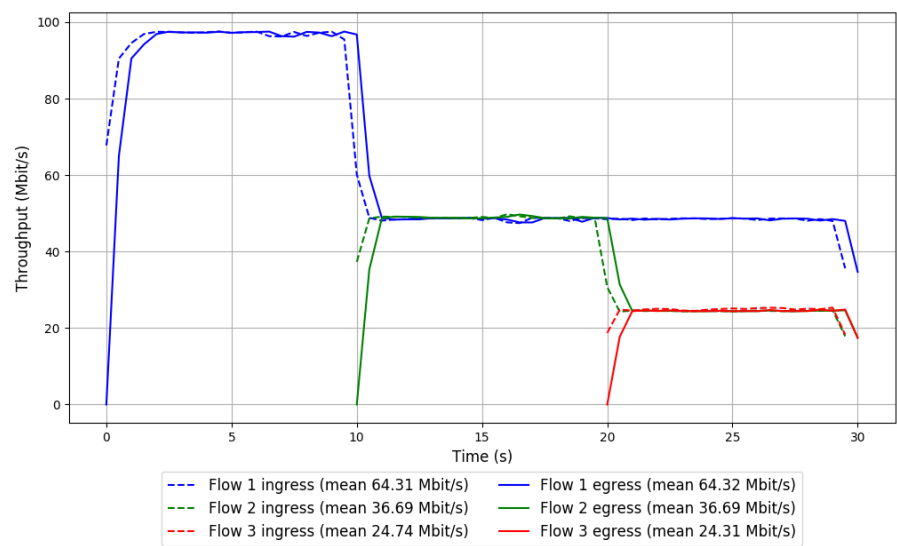


Run 6: Statistics of Indigo

Start at: 2018-07-18 11:12:20
End at: 2018-07-18 11:12:50
Local clock offset: -0.261 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-07-18 12:49:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.67 Mbit/s
95th percentile per-packet one-way delay: 24.181 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 64.32 Mbit/s
95th percentile per-packet one-way delay: 19.002 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 36.69 Mbit/s
95th percentile per-packet one-way delay: 20.983 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 24.31 Mbit/s
95th percentile per-packet one-way delay: 25.153 ms
Loss rate: 2.01%

Run 6: Report of Indigo — Data Link

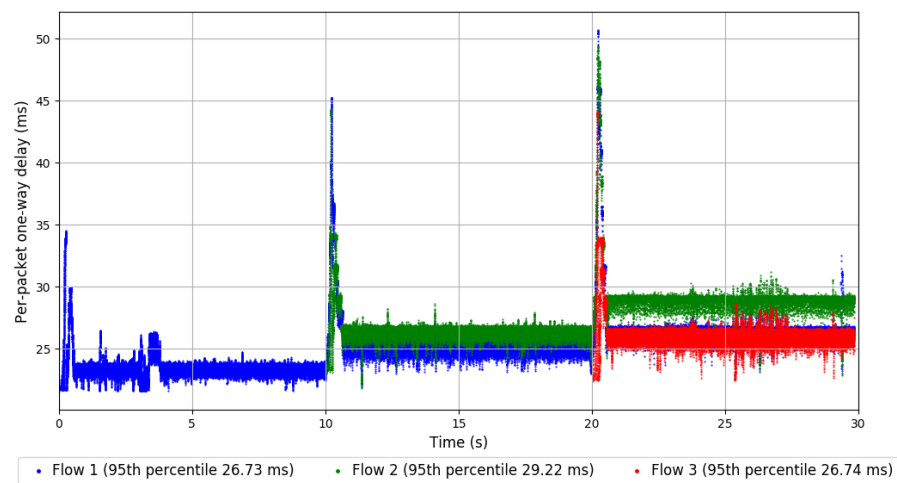
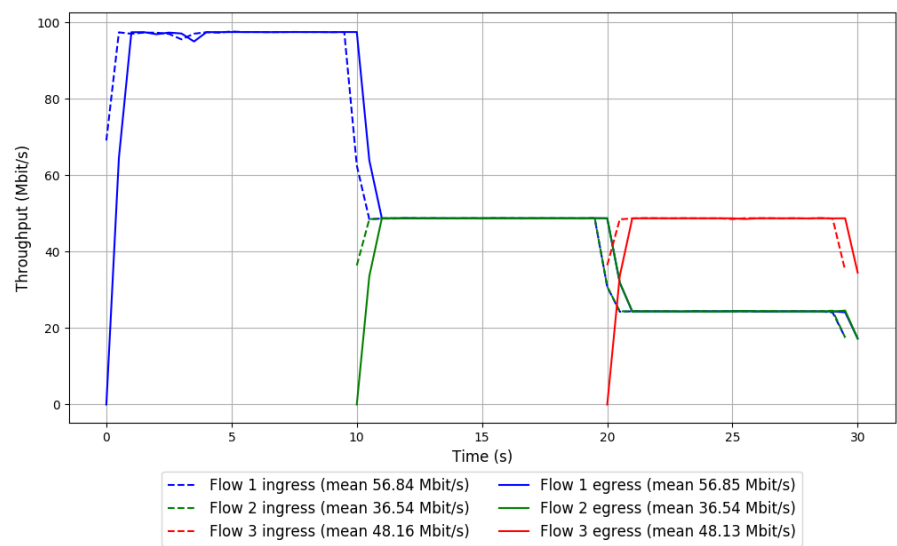


Run 7: Statistics of Indigo

Start at: 2018-07-18 11:32:56
End at: 2018-07-18 11:33:26
Local clock offset: 2.331 ms
Remote clock offset: -6.405 ms

Below is generated by plot.py at 2018-07-18 12:49:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.98 Mbit/s
95th percentile per-packet one-way delay: 29.080 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 56.85 Mbit/s
95th percentile per-packet one-way delay: 26.727 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 36.54 Mbit/s
95th percentile per-packet one-way delay: 29.223 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 48.13 Mbit/s
95th percentile per-packet one-way delay: 26.738 ms
Loss rate: 0.33%

Run 7: Report of Indigo — Data Link

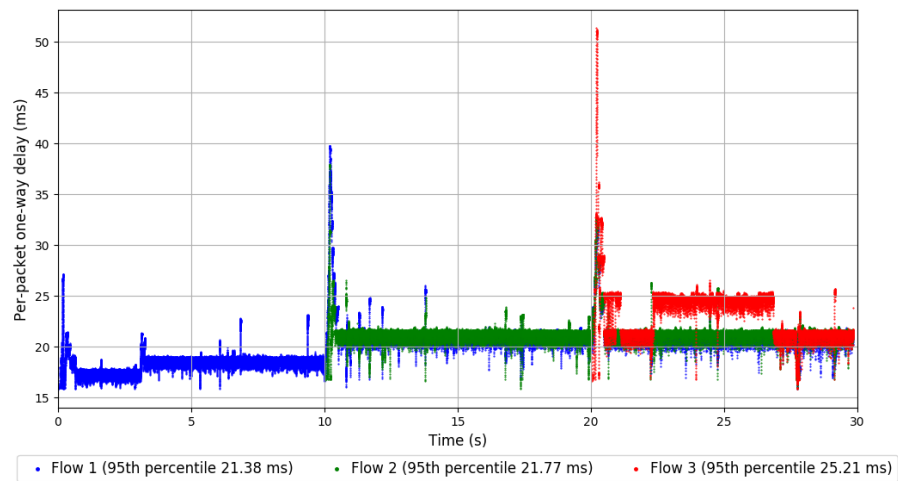
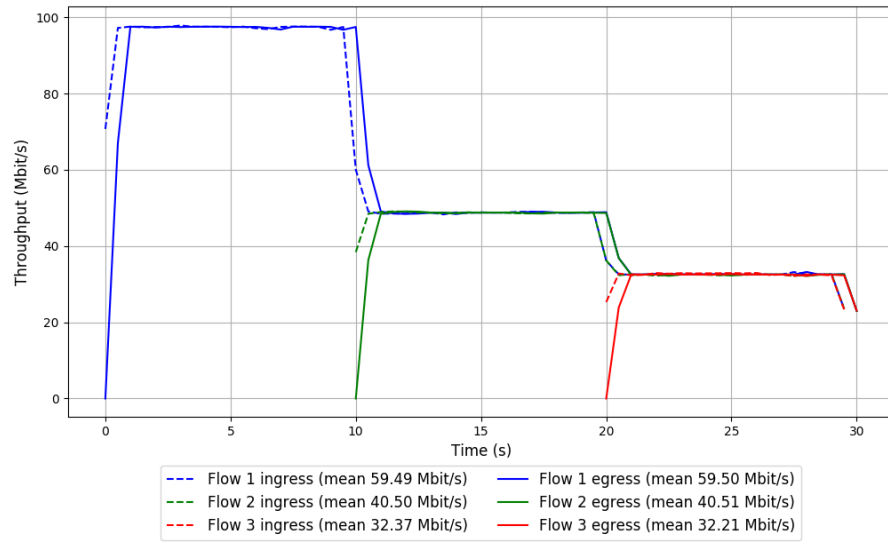


Run 8: Statistics of Indigo

Start at: 2018-07-18 11:53:19
End at: 2018-07-18 11:53:49
Local clock offset: 1.389 ms
Remote clock offset: -7.214 ms

Below is generated by plot.py at 2018-07-18 12:49:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.99 Mbit/s
95th percentile per-packet one-way delay: 24.611 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 59.50 Mbit/s
95th percentile per-packet one-way delay: 21.379 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.51 Mbit/s
95th percentile per-packet one-way delay: 21.769 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.21 Mbit/s
95th percentile per-packet one-way delay: 25.211 ms
Loss rate: 0.70%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-18 12:13:41

End at: 2018-07-18 12:14:11

Local clock offset: 0.595 ms

Remote clock offset: 1.01 ms

Below is generated by plot.py at 2018-07-18 12:50:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.05 Mbit/s

95th percentile per-packet one-way delay: 26.126 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 56.88 Mbit/s

95th percentile per-packet one-way delay: 22.267 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 48.49 Mbit/s

95th percentile per-packet one-way delay: 22.090 ms

Loss rate: 0.15%

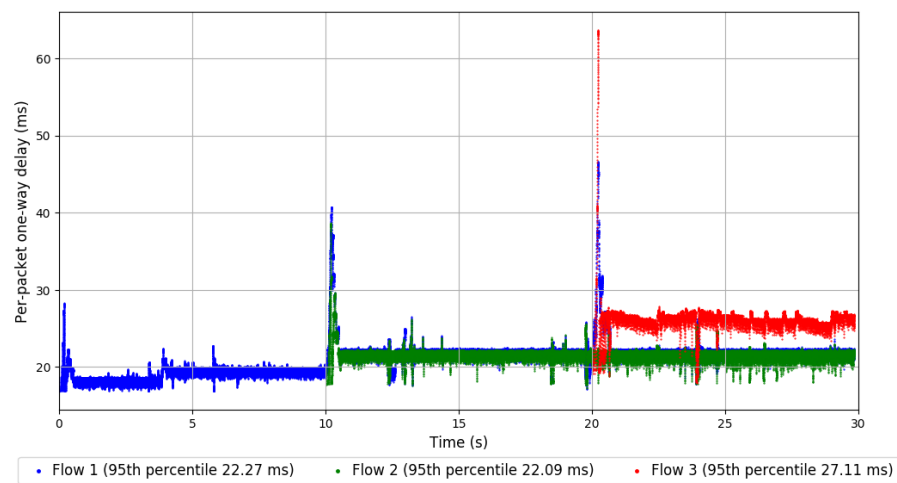
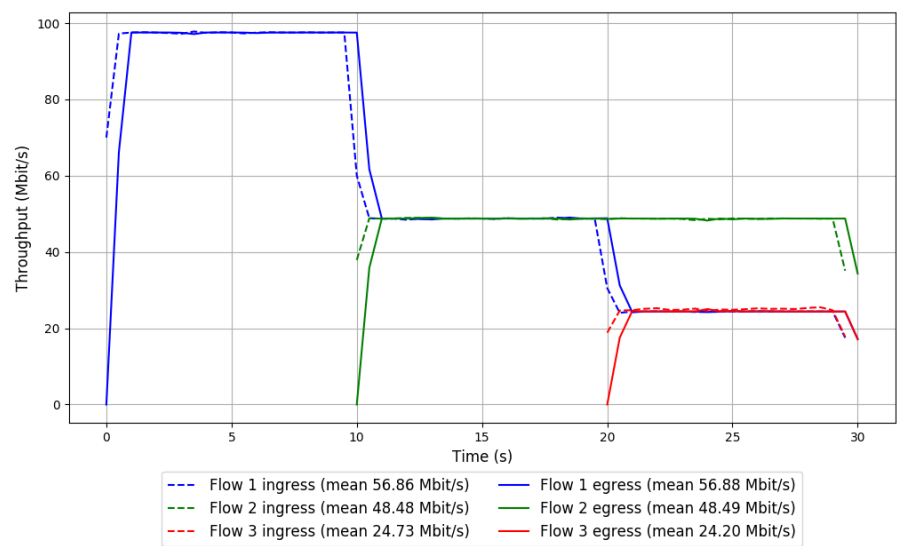
-- Flow 3:

Average throughput: 24.20 Mbit/s

95th percentile per-packet one-way delay: 27.115 ms

Loss rate: 2.42%

Run 9: Report of Indigo — Data Link

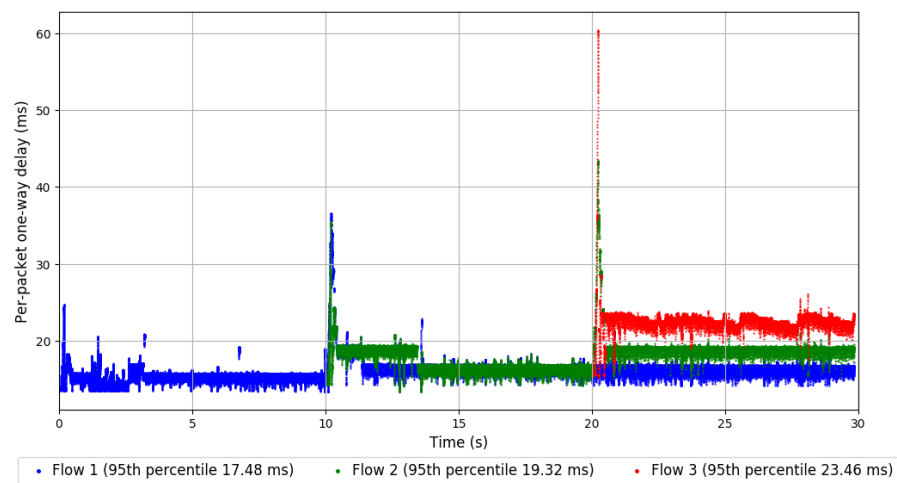
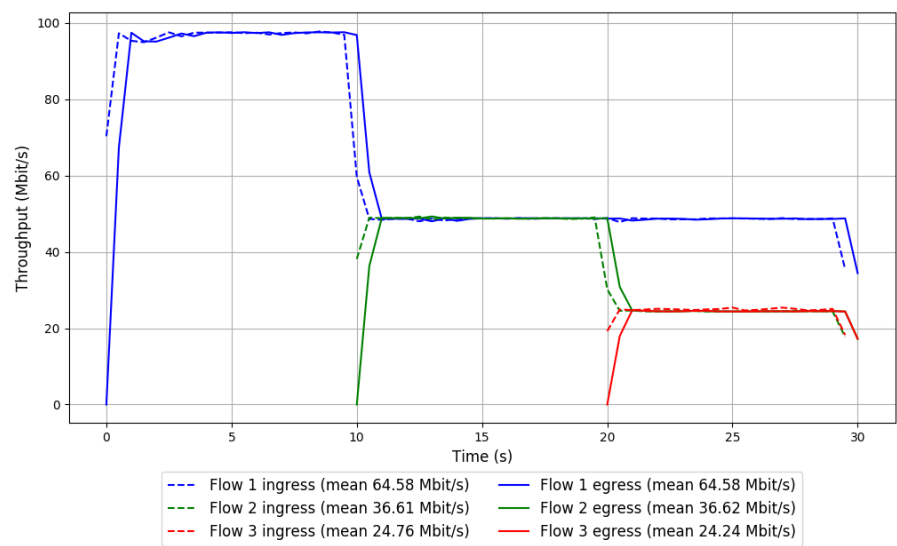


Run 10: Statistics of Indigo

Start at: 2018-07-18 12:34:17
End at: 2018-07-18 12:34:47
Local clock offset: -1.284 ms
Remote clock offset: -0.365 ms

Below is generated by plot.py at 2018-07-18 12:50:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 22.463 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 64.58 Mbit/s
95th percentile per-packet one-way delay: 17.475 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 36.62 Mbit/s
95th percentile per-packet one-way delay: 19.322 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 24.24 Mbit/s
95th percentile per-packet one-way delay: 23.465 ms
Loss rate: 2.31%

Run 10: Report of Indigo — Data Link

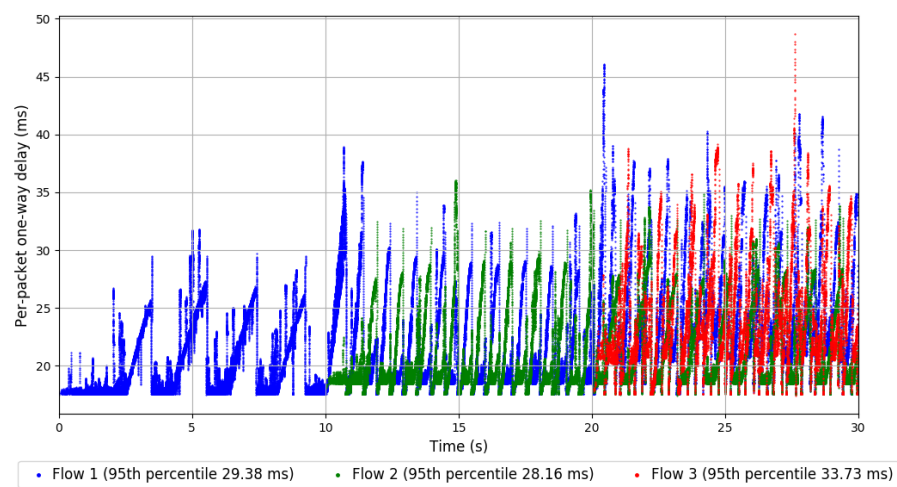
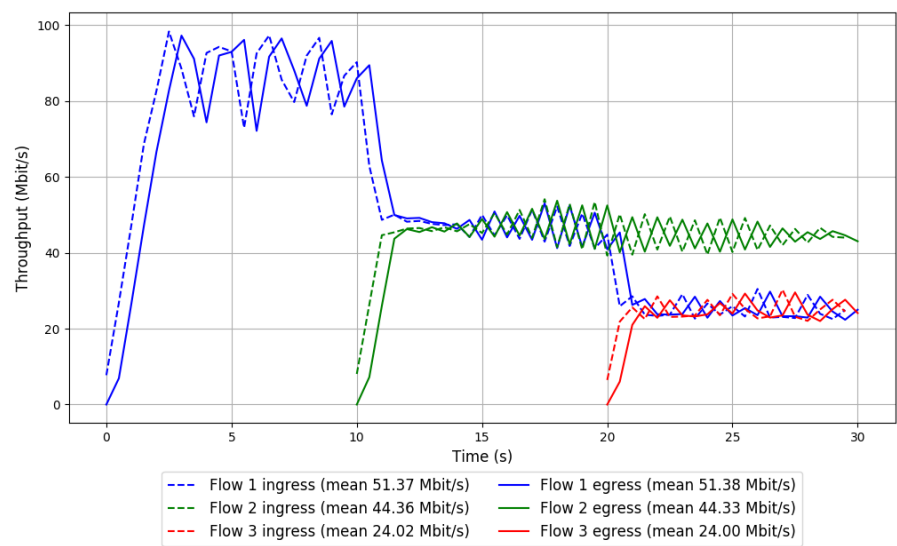


Run 1: Statistics of LEDBAT

Start at: 2018-07-18 09:23:12
End at: 2018-07-18 09:23:42
Local clock offset: 0.292 ms
Remote clock offset: -5.539 ms

Below is generated by plot.py at 2018-07-18 12:50:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.86 Mbit/s
95th percentile per-packet one-way delay: 29.408 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 51.38 Mbit/s
95th percentile per-packet one-way delay: 29.375 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 44.33 Mbit/s
95th percentile per-packet one-way delay: 28.161 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 24.00 Mbit/s
95th percentile per-packet one-way delay: 33.729 ms
Loss rate: 0.39%

Run 1: Report of LEDBAT — Data Link

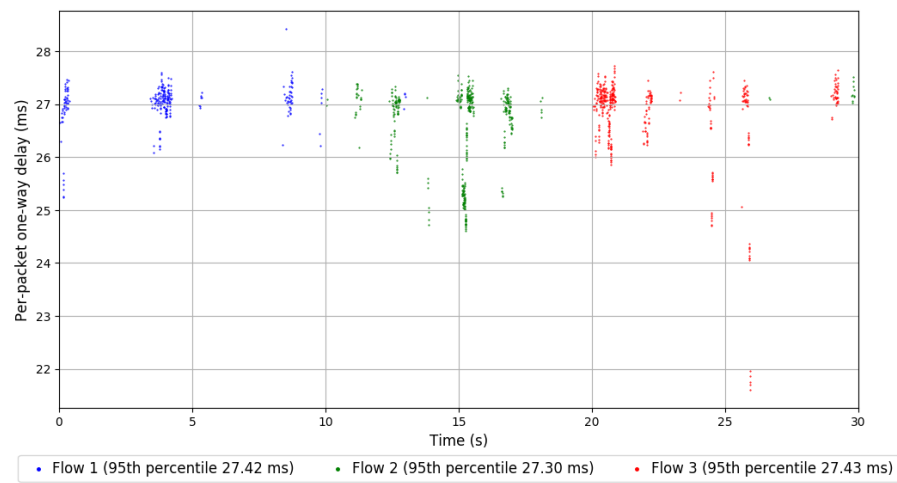
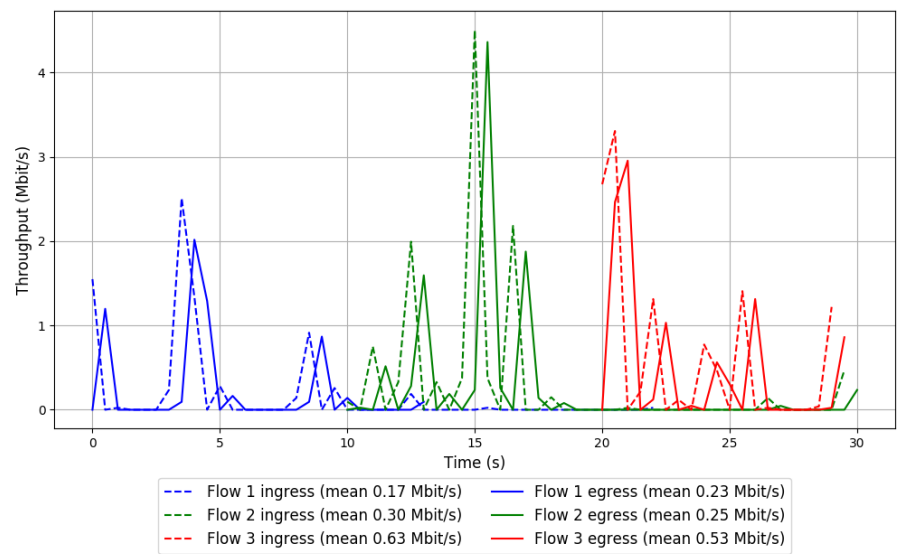


Run 2: Statistics of LEDBAT

Start at: 2018-07-18 09:51:43
End at: 2018-07-18 09:52:13
Local clock offset: 2.361 ms
Remote clock offset: -4.859 ms

Below is generated by plot.py at 2018-07-18 12:50:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 27.382 ms
Loss rate: 17.15%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 27.418 ms
Loss rate: 20.37%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 27.300 ms
Loss rate: 16.00%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 27.431 ms
Loss rate: 16.23%

Run 2: Report of LEDBAT — Data Link

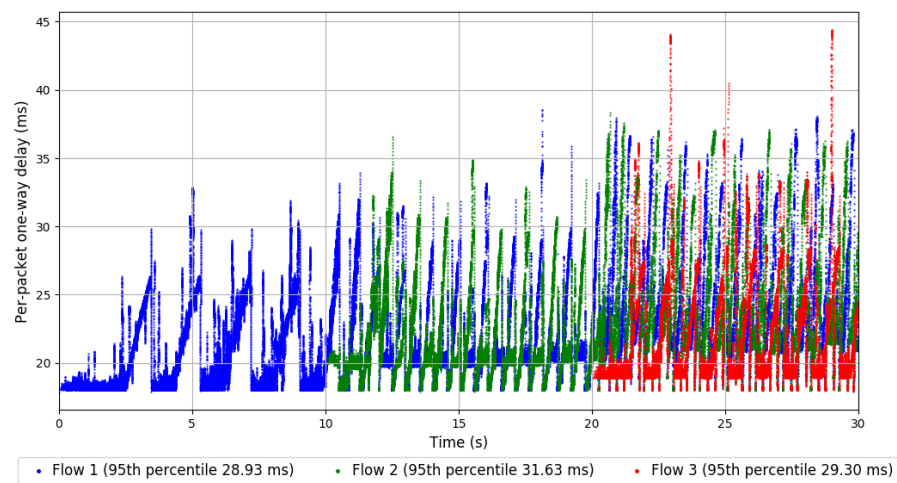
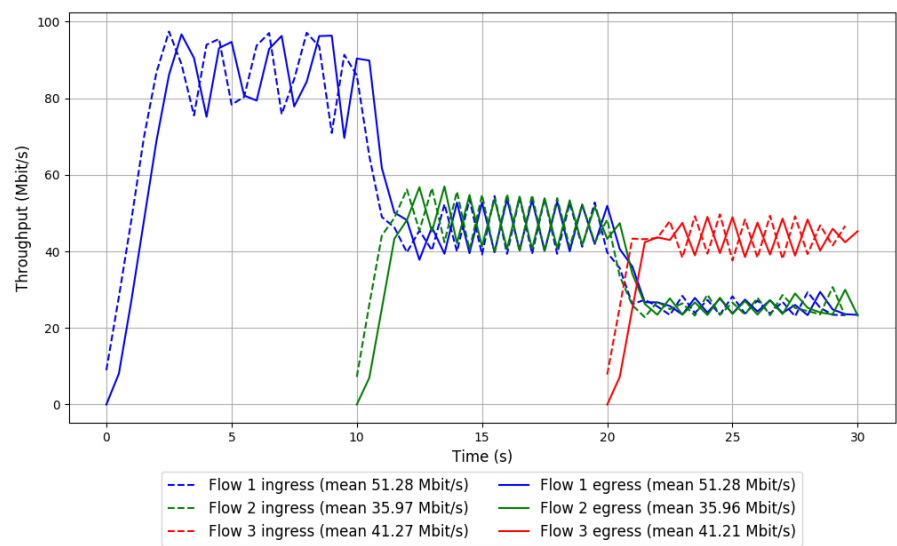


Run 3: Statistics of LEDBAT

Start at: 2018-07-18 10:12:15
End at: 2018-07-18 10:12:45
Local clock offset: 1.621 ms
Remote clock offset: -4.315 ms

Below is generated by plot.py at 2018-07-18 12:50:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.91 Mbit/s
95th percentile per-packet one-way delay: 30.076 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 51.28 Mbit/s
95th percentile per-packet one-way delay: 28.930 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 35.96 Mbit/s
95th percentile per-packet one-way delay: 31.629 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 41.21 Mbit/s
95th percentile per-packet one-way delay: 29.300 ms
Loss rate: 0.38%

Run 3: Report of LEDBAT — Data Link

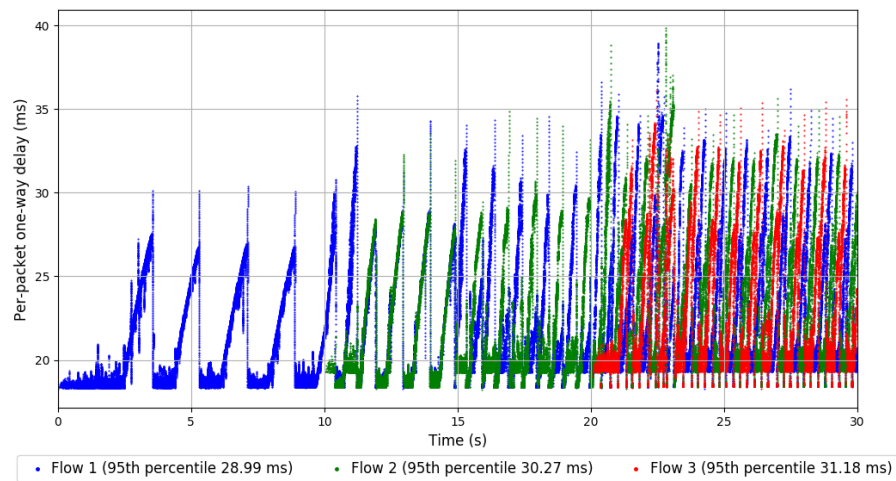
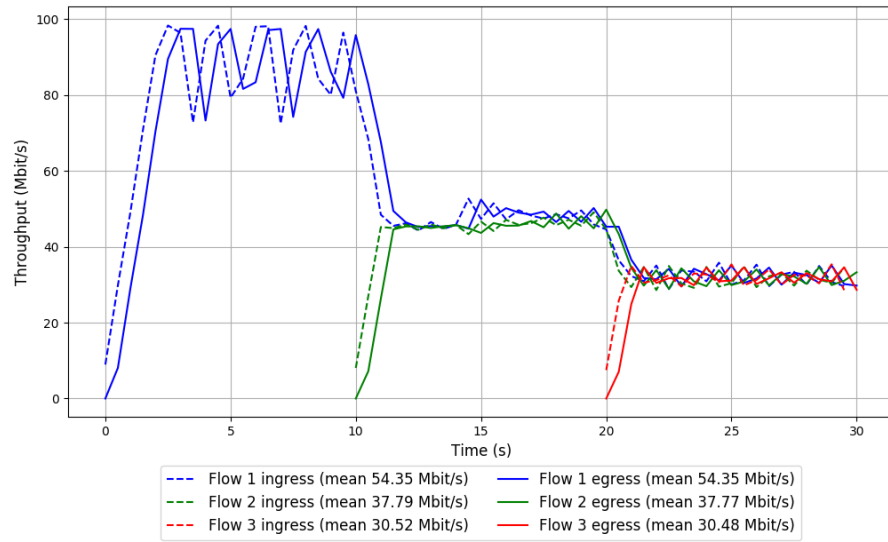


Run 4: Statistics of LEDBAT

Start at: 2018-07-18 10:32:55
End at: 2018-07-18 10:33:25
Local clock offset: 0.733 ms
Remote clock offset: -2.726 ms

Below is generated by plot.py at 2018-07-18 12:50:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.62 Mbit/s
95th percentile per-packet one-way delay: 29.876 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 54.35 Mbit/s
95th percentile per-packet one-way delay: 28.991 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 37.77 Mbit/s
95th percentile per-packet one-way delay: 30.274 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 30.48 Mbit/s
95th percentile per-packet one-way delay: 31.184 ms
Loss rate: 0.37%

Run 4: Report of LEDBAT — Data Link

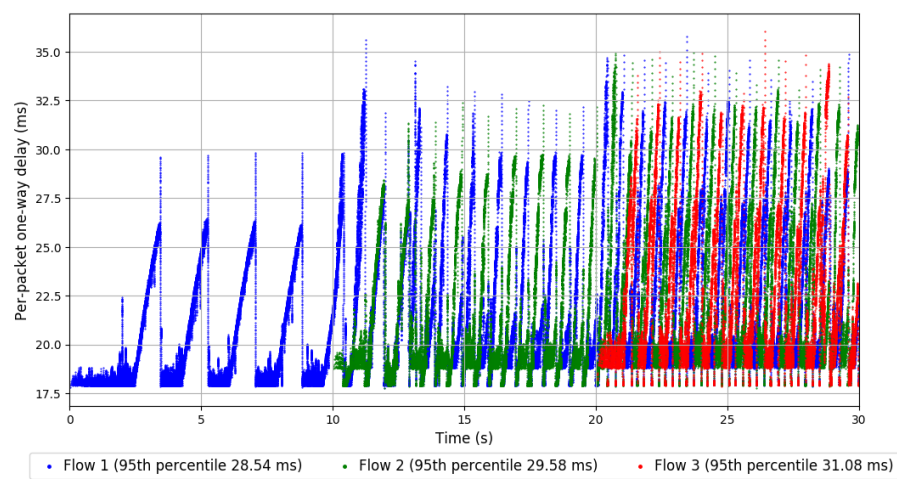
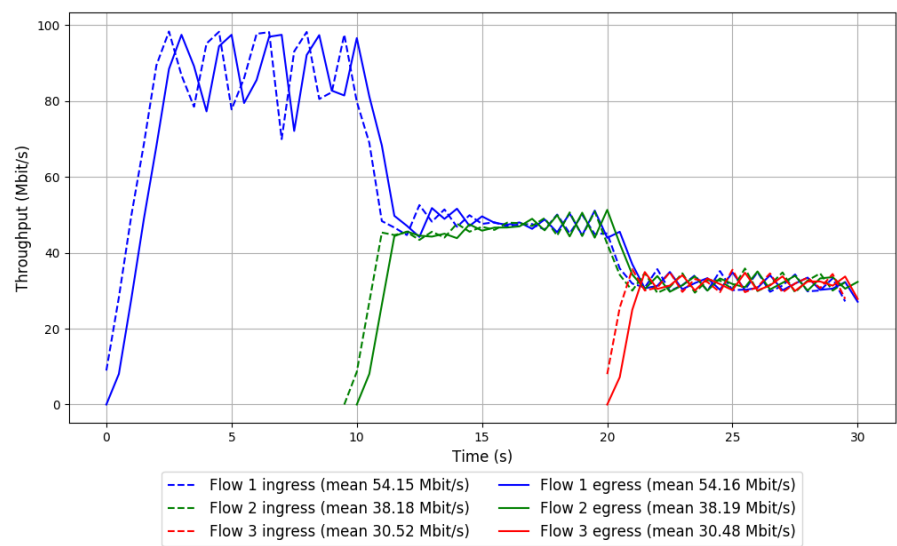


Run 5: Statistics of LEDBAT

Start at: 2018-07-18 10:53:07
End at: 2018-07-18 10:53:37
Local clock offset: 0.471 ms
Remote clock offset: -0.816 ms

Below is generated by plot.py at 2018-07-18 12:50:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.71 Mbit/s
95th percentile per-packet one-way delay: 29.315 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 54.16 Mbit/s
95th percentile per-packet one-way delay: 28.543 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 38.19 Mbit/s
95th percentile per-packet one-way delay: 29.582 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 30.48 Mbit/s
95th percentile per-packet one-way delay: 31.083 ms
Loss rate: 0.37%

Run 5: Report of LEDBAT — Data Link

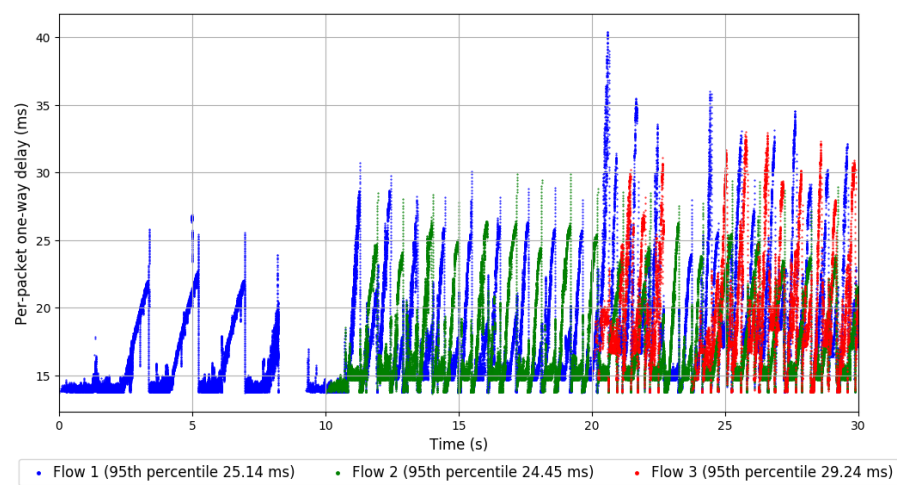
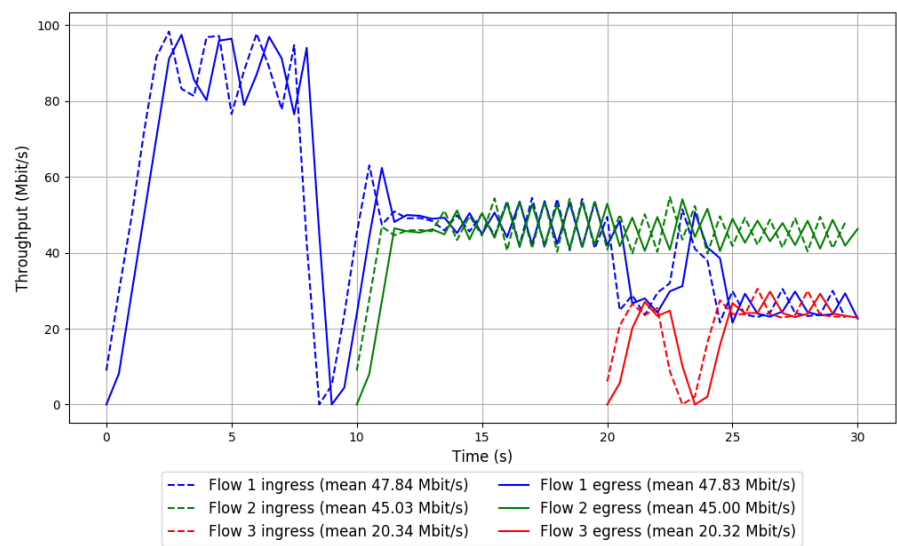


Run 6: Statistics of LEDBAT

Start at: 2018-07-18 11:13:36
End at: 2018-07-18 11:14:06
Local clock offset: -1.355 ms
Remote clock offset: -0.225 ms

Below is generated by plot.py at 2018-07-18 12:50:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.53 Mbit/s
95th percentile per-packet one-way delay: 25.195 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 47.83 Mbit/s
95th percentile per-packet one-way delay: 25.136 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 45.00 Mbit/s
95th percentile per-packet one-way delay: 24.452 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 20.32 Mbit/s
95th percentile per-packet one-way delay: 29.237 ms
Loss rate: 0.38%

Run 6: Report of LEDBAT — Data Link

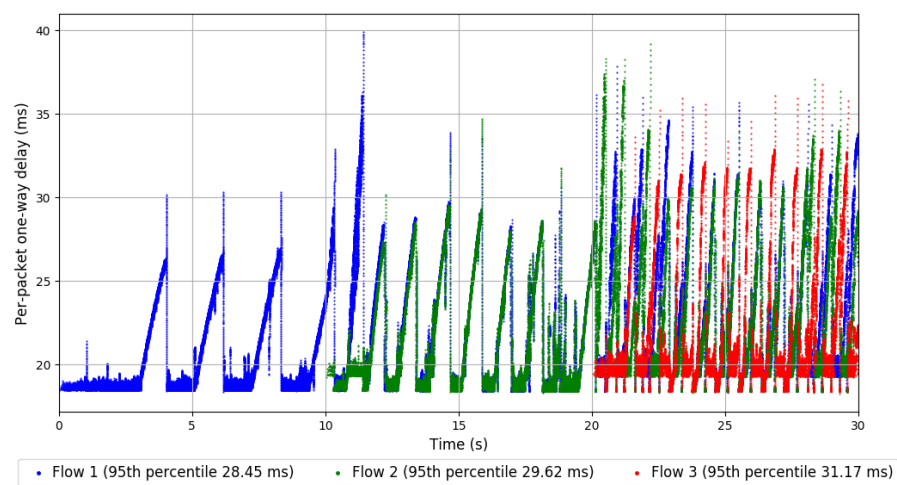
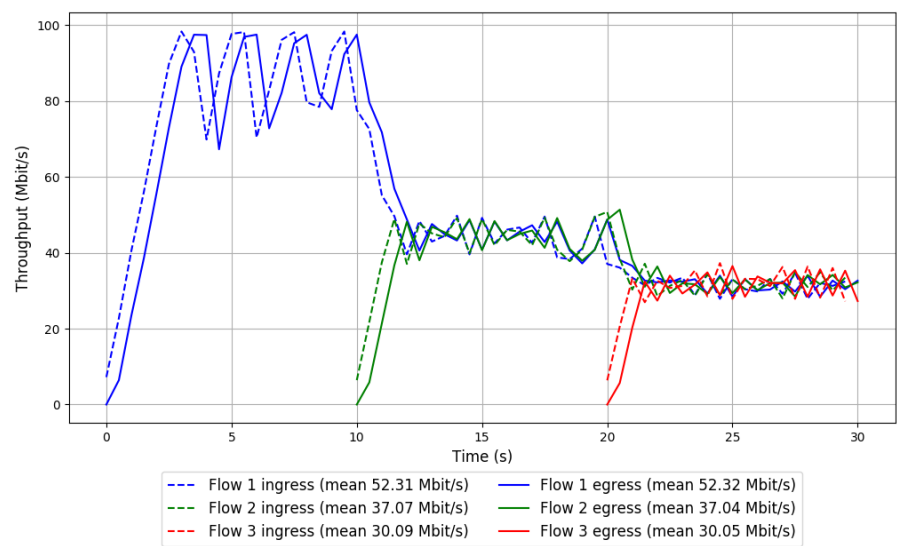


Run 7: Statistics of LEDBAT

Start at: 2018-07-18 11:34:11
End at: 2018-07-18 11:34:41
Local clock offset: 0.781 ms
Remote clock offset: -5.048 ms

Below is generated by plot.py at 2018-07-18 12:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.95 Mbit/s
95th percentile per-packet one-way delay: 29.331 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 52.32 Mbit/s
95th percentile per-packet one-way delay: 28.445 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 37.04 Mbit/s
95th percentile per-packet one-way delay: 29.619 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 30.05 Mbit/s
95th percentile per-packet one-way delay: 31.169 ms
Loss rate: 0.38%

Run 7: Report of LEDBAT — Data Link

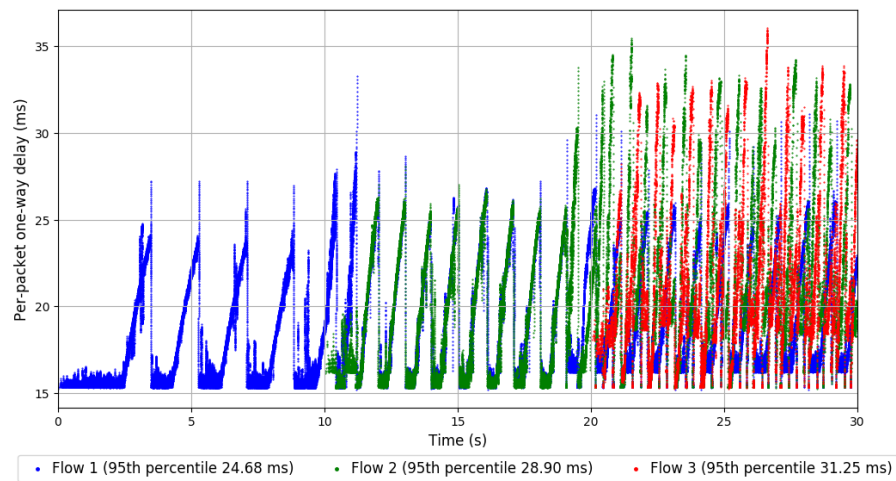
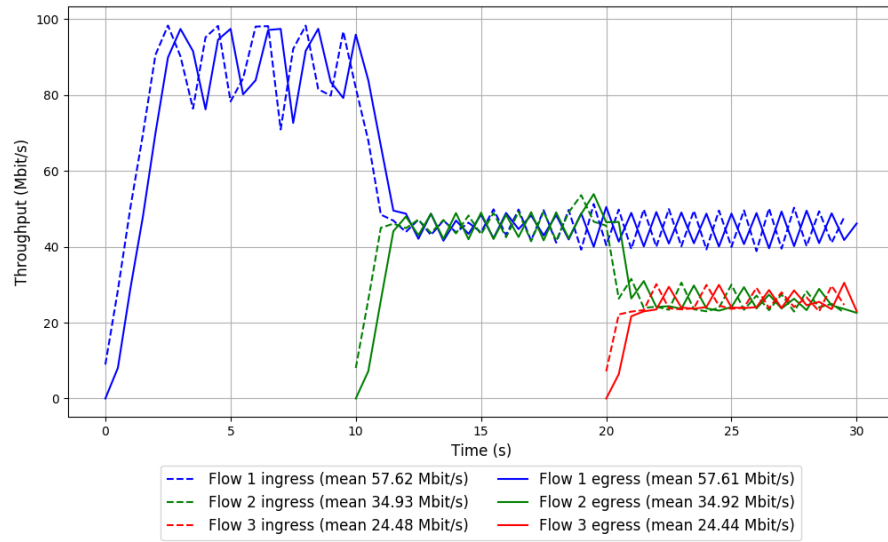


Run 8: Statistics of LEDBAT

Start at: 2018-07-18 11:54:31
End at: 2018-07-18 11:55:01
Local clock offset: -0.064 ms
Remote clock offset: -8.204 ms

Below is generated by plot.py at 2018-07-18 12:51:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.98 Mbit/s
95th percentile per-packet one-way delay: 25.897 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 57.61 Mbit/s
95th percentile per-packet one-way delay: 24.680 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 34.92 Mbit/s
95th percentile per-packet one-way delay: 28.900 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 24.44 Mbit/s
95th percentile per-packet one-way delay: 31.247 ms
Loss rate: 0.44%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-18 12:14:55

End at: 2018-07-18 12:15:25

Local clock offset: -1.84 ms

Remote clock offset: 0.575 ms

Below is generated by plot.py at 2018-07-18 12:51:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.83 Mbit/s

95th percentile per-packet one-way delay: 27.017 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 52.44 Mbit/s

95th percentile per-packet one-way delay: 26.818 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 35.15 Mbit/s

95th percentile per-packet one-way delay: 28.526 ms

Loss rate: 0.15%

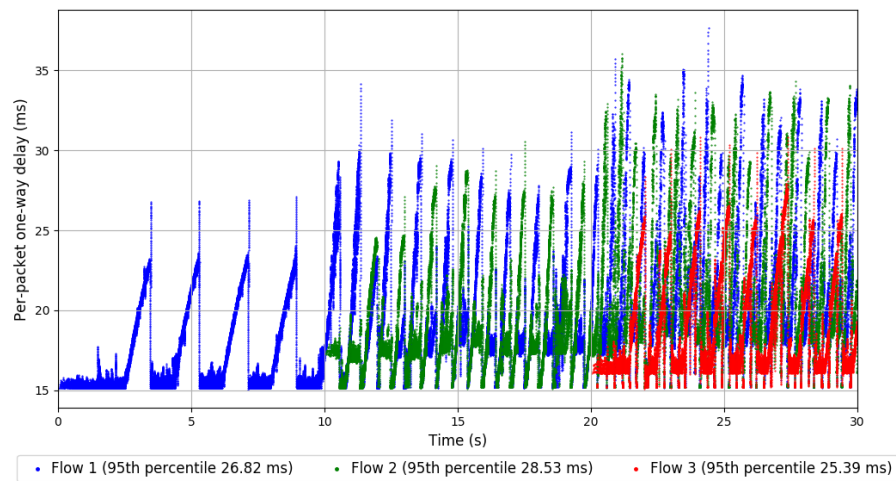
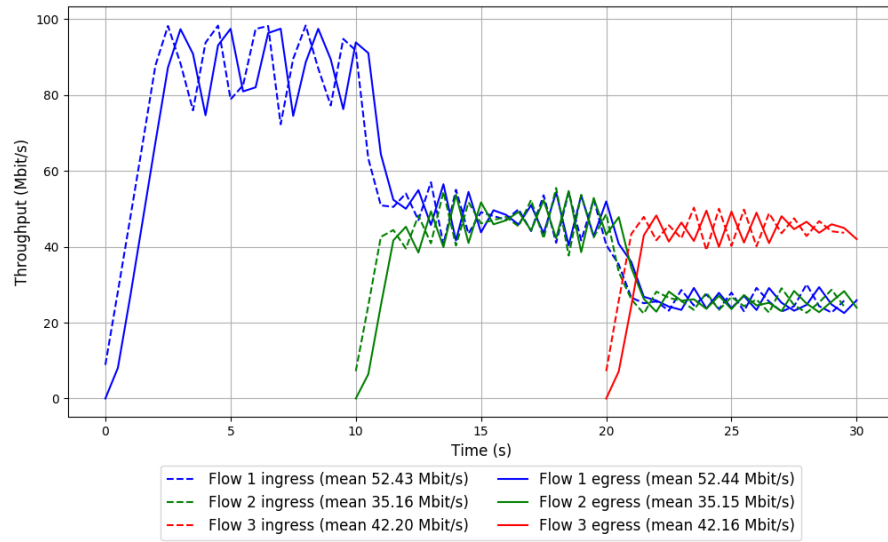
-- Flow 3:

Average throughput: 42.16 Mbit/s

95th percentile per-packet one-way delay: 25.389 ms

Loss rate: 0.35%

Run 9: Report of LEDBAT — Data Link

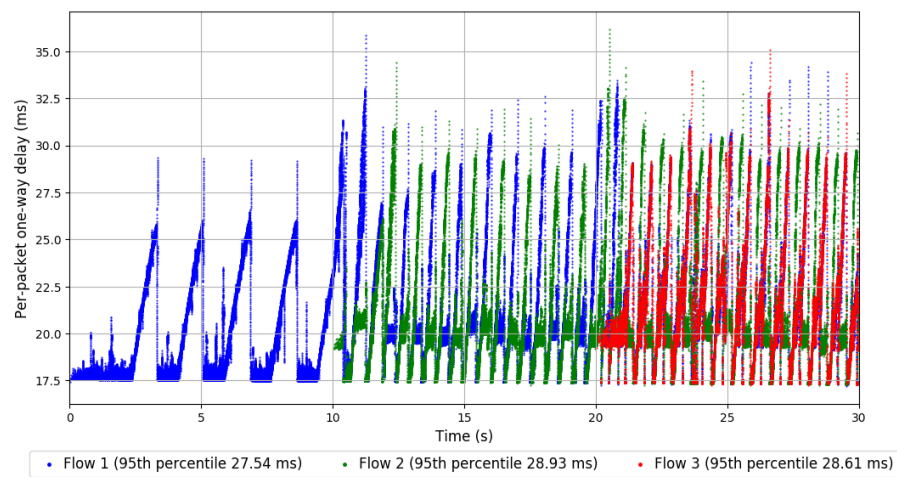
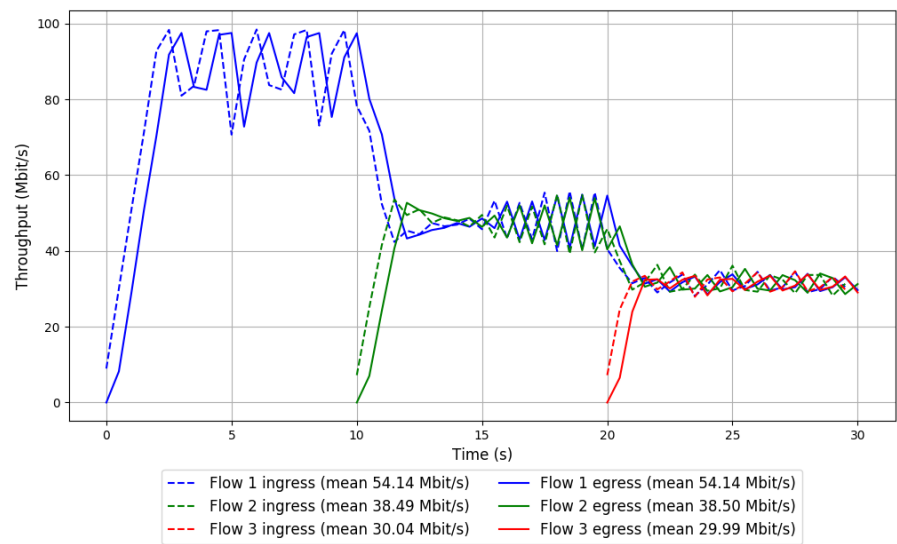


Run 10: Statistics of LEDBAT

Start at: 2018-07-18 12:35:28
End at: 2018-07-18 12:35:58
Local clock offset: 2.448 ms
Remote clock offset: -1.305 ms

Below is generated by plot.py at 2018-07-18 12:51:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.72 Mbit/s
95th percentile per-packet one-way delay: 28.284 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 54.14 Mbit/s
95th percentile per-packet one-way delay: 27.543 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 38.50 Mbit/s
95th percentile per-packet one-way delay: 28.929 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 29.99 Mbit/s
95th percentile per-packet one-way delay: 28.615 ms
Loss rate: 0.39%

Run 10: Report of LEDBAT — Data Link

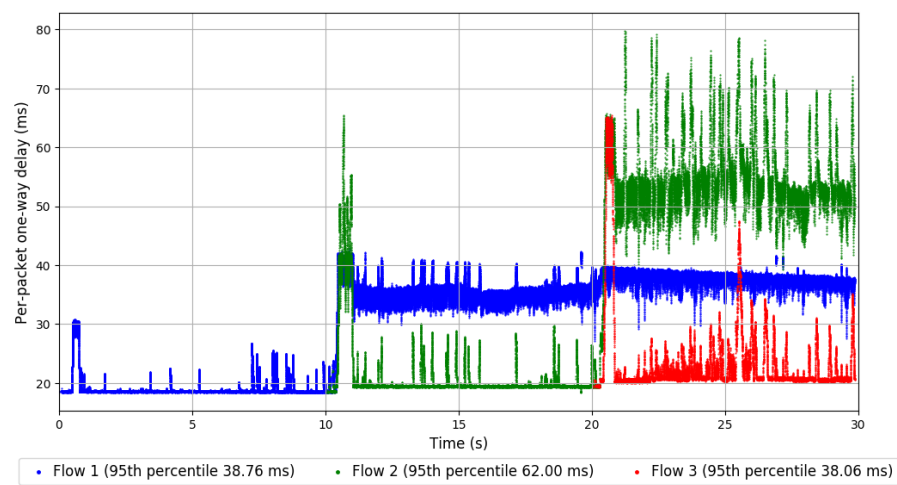
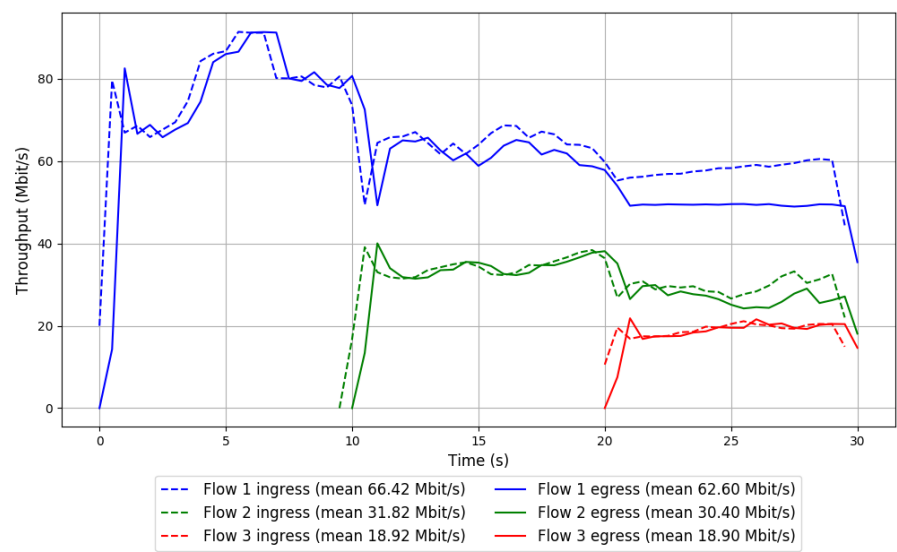


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-18 09:11:58
End at: 2018-07-18 09:12:28
Local clock offset: 0.983 ms
Remote clock offset: -4.733 ms

# Below is generated by plot.py at 2018-07-18 12:51:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.03 Mbit/s
95th percentile per-packet one-way delay: 52.932 ms
Loss rate: 5.20%
-- Flow 1:
Average throughput: 62.60 Mbit/s
95th percentile per-packet one-way delay: 38.756 ms
Loss rate: 5.85%
-- Flow 2:
Average throughput: 30.40 Mbit/s
95th percentile per-packet one-way delay: 62.002 ms
Loss rate: 4.59%
-- Flow 3:
Average throughput: 18.90 Mbit/s
95th percentile per-packet one-way delay: 38.062 ms
Loss rate: 0.35%
```

Run 1: Report of PCC-Allegro — Data Link

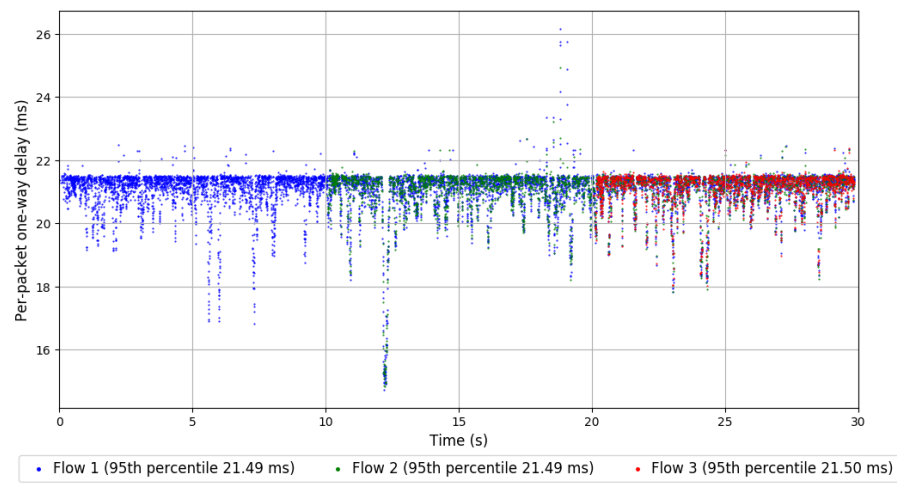
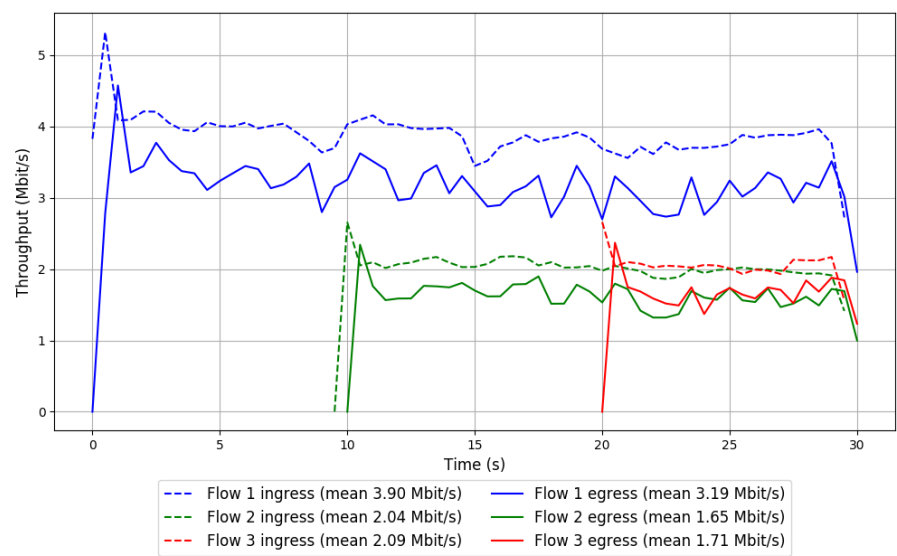


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-18 09:34:55
End at: 2018-07-18 09:35:25
Local clock offset: -2.101 ms
Remote clock offset: -3.956 ms

Below is generated by plot.py at 2018-07-18 12:51:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.85 Mbit/s
95th percentile per-packet one-way delay: 21.493 ms
Loss rate: 18.44%
-- Flow 1:
Average throughput: 3.19 Mbit/s
95th percentile per-packet one-way delay: 21.492 ms
Loss rate: 18.13%
-- Flow 2:
Average throughput: 1.65 Mbit/s
95th percentile per-packet one-way delay: 21.493 ms
Loss rate: 19.45%
-- Flow 3:
Average throughput: 1.71 Mbit/s
95th percentile per-packet one-way delay: 21.496 ms
Loss rate: 18.23%

Run 2: Report of PCC-Allegro — Data Link

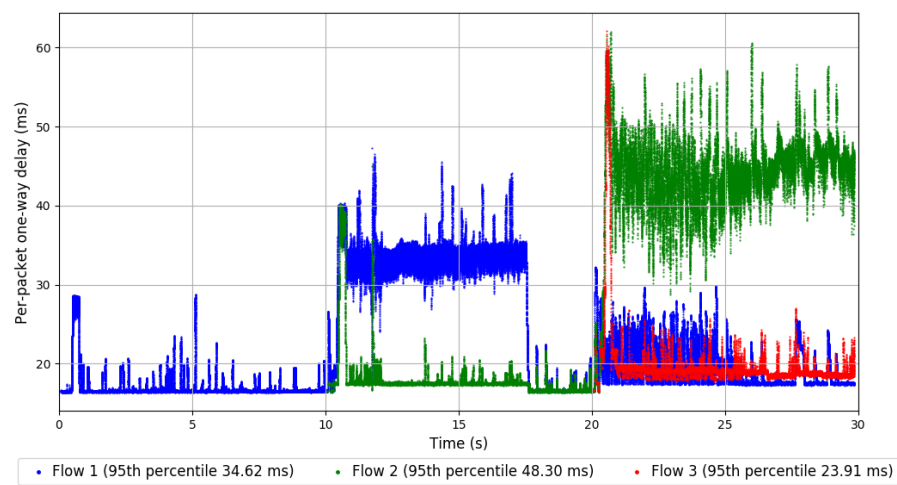
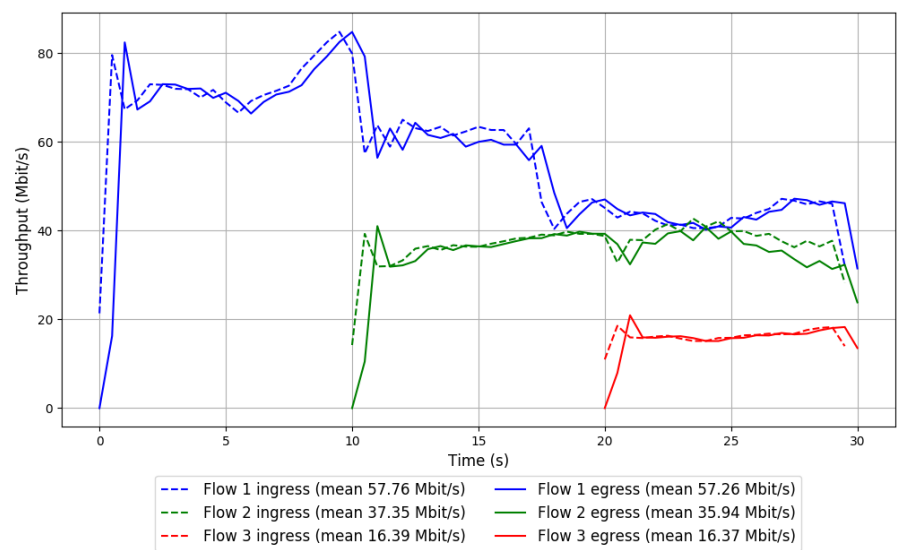


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-18 10:01:11
End at: 2018-07-18 10:01:41
Local clock offset: 0.926 ms
Remote clock offset: -3.775 ms

Below is generated by plot.py at 2018-07-18 12:51:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.52 Mbit/s
95th percentile per-packet one-way delay: 45.171 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 57.26 Mbit/s
95th percentile per-packet one-way delay: 34.623 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 35.94 Mbit/s
95th percentile per-packet one-way delay: 48.302 ms
Loss rate: 3.96%
-- Flow 3:
Average throughput: 16.37 Mbit/s
95th percentile per-packet one-way delay: 23.908 ms
Loss rate: 0.37%

Run 3: Report of PCC-Allegro — Data Link

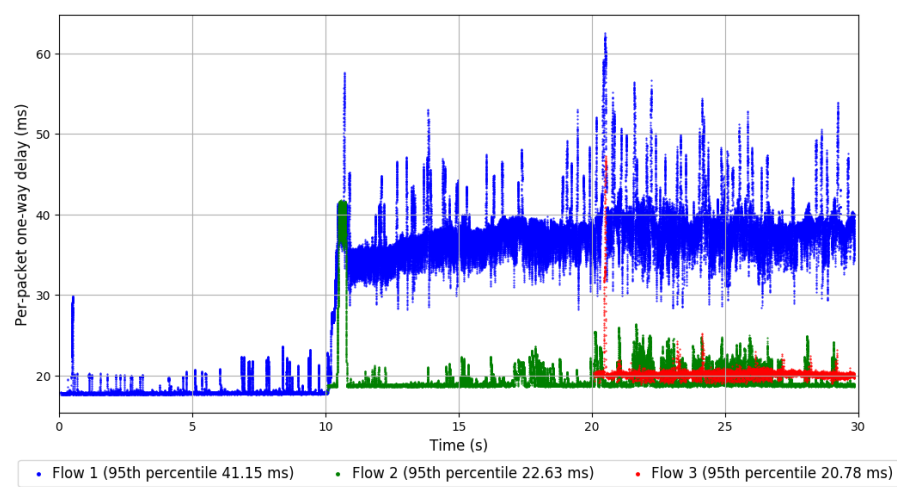
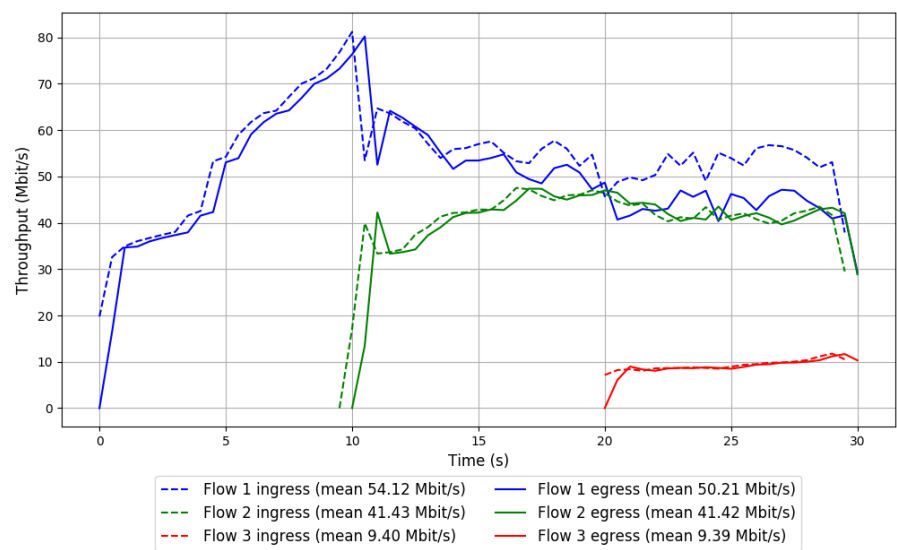


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-18 10:21:51
End at: 2018-07-18 10:22:21
Local clock offset: 1.322 ms
Remote clock offset: -3.511 ms

Below is generated by plot.py at 2018-07-18 12:51:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.84 Mbit/s
95th percentile per-packet one-way delay: 39.882 ms
Loss rate: 4.72%
-- Flow 1:
Average throughput: 50.21 Mbit/s
95th percentile per-packet one-way delay: 41.148 ms
Loss rate: 7.30%
-- Flow 2:
Average throughput: 41.42 Mbit/s
95th percentile per-packet one-way delay: 22.634 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 9.39 Mbit/s
95th percentile per-packet one-way delay: 20.784 ms
Loss rate: 0.40%

Run 4: Report of PCC-Allegro — Data Link

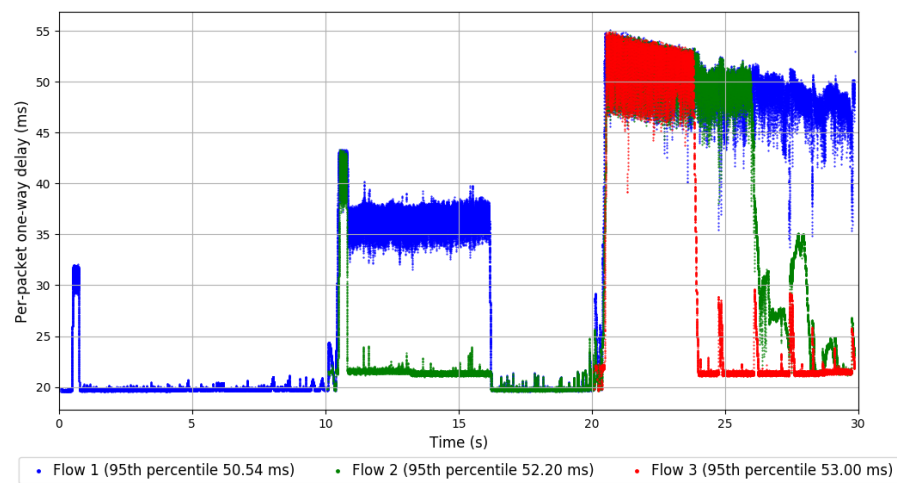
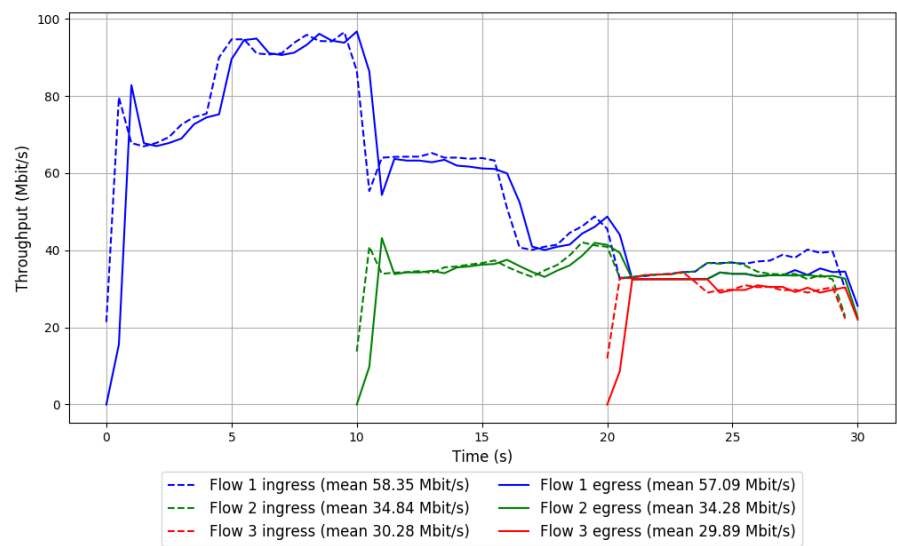


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-18 10:42:21
End at: 2018-07-18 10:42:51
Local clock offset: 0.55 ms
Remote clock offset: -3.163 ms

Below is generated by plot.py at 2018-07-18 12:51:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.69 Mbit/s
95th percentile per-packet one-way delay: 51.736 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 57.09 Mbit/s
95th percentile per-packet one-way delay: 50.539 ms
Loss rate: 2.25%
-- Flow 2:
Average throughput: 34.28 Mbit/s
95th percentile per-packet one-way delay: 52.199 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 29.89 Mbit/s
95th percentile per-packet one-way delay: 53.003 ms
Loss rate: 1.52%

Run 5: Report of PCC-Allegro — Data Link

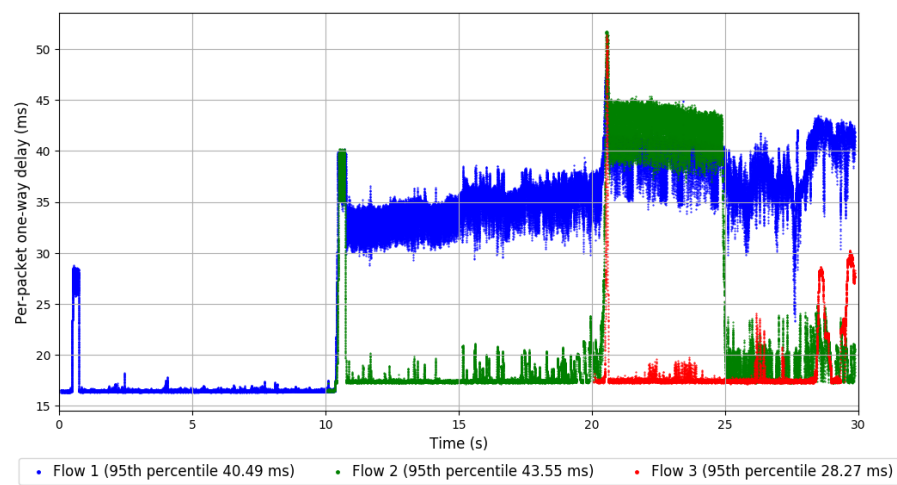
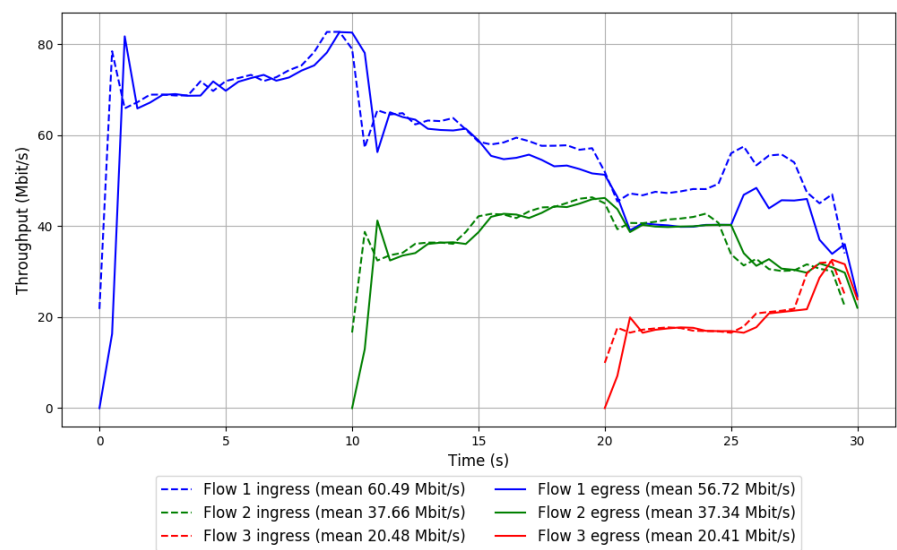


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-18 11:02:37
End at: 2018-07-18 11:03:07
Local clock offset: 0.422 ms
Remote clock offset: -0.674 ms

Below is generated by plot.py at 2018-07-18 12:52:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.26 Mbit/s
95th percentile per-packet one-way delay: 41.825 ms
Loss rate: 4.47%
-- Flow 1:
Average throughput: 56.72 Mbit/s
95th percentile per-packet one-way delay: 40.495 ms
Loss rate: 6.35%
-- Flow 2:
Average throughput: 37.34 Mbit/s
95th percentile per-packet one-way delay: 43.554 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 20.41 Mbit/s
95th percentile per-packet one-way delay: 28.273 ms
Loss rate: 0.66%

Run 6: Report of PCC-Allegro — Data Link

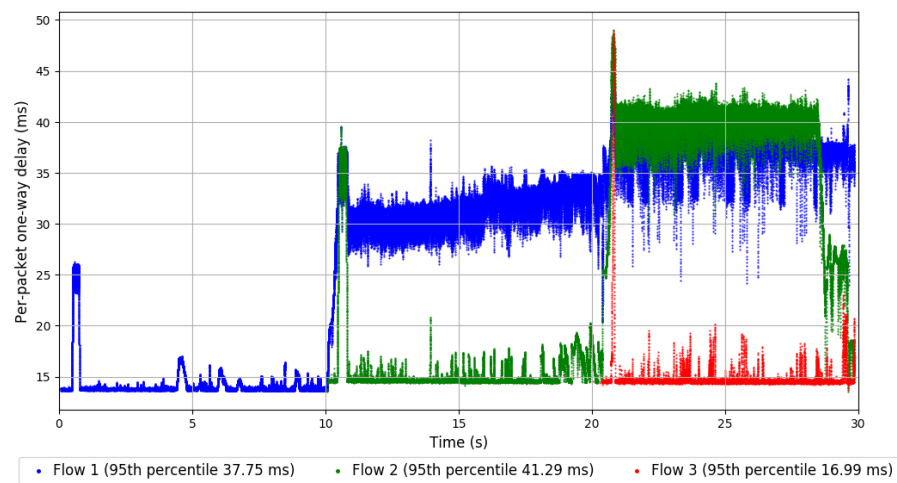
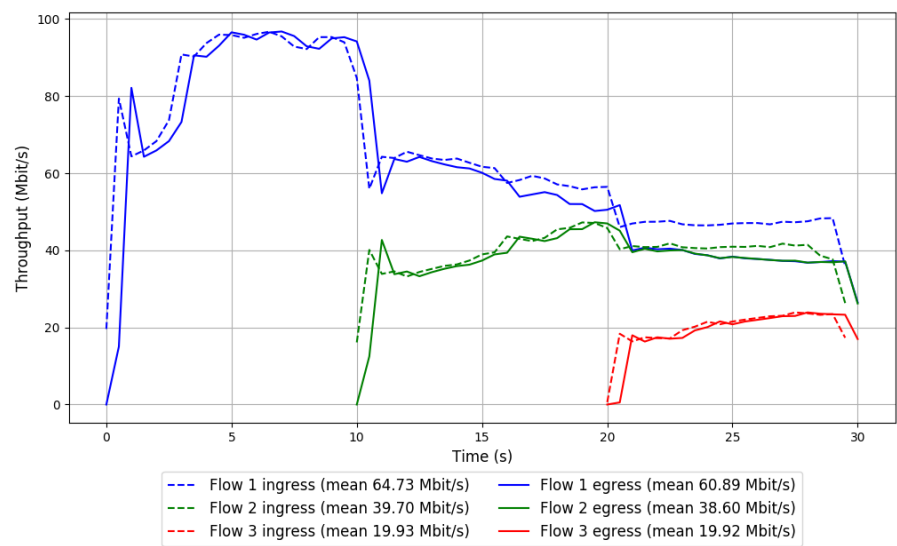


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-18 11:23:17
End at: 2018-07-18 11:23:47
Local clock offset: 0.36 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2018-07-18 12:52:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.11 Mbit/s
95th percentile per-packet one-way delay: 40.187 ms
Loss rate: 4.77%
-- Flow 1:
Average throughput: 60.89 Mbit/s
95th percentile per-packet one-way delay: 37.747 ms
Loss rate: 6.01%
-- Flow 2:
Average throughput: 38.60 Mbit/s
95th percentile per-packet one-way delay: 41.288 ms
Loss rate: 2.87%
-- Flow 3:
Average throughput: 19.92 Mbit/s
95th percentile per-packet one-way delay: 16.989 ms
Loss rate: 0.30%

Run 7: Report of PCC-Allegro — Data Link

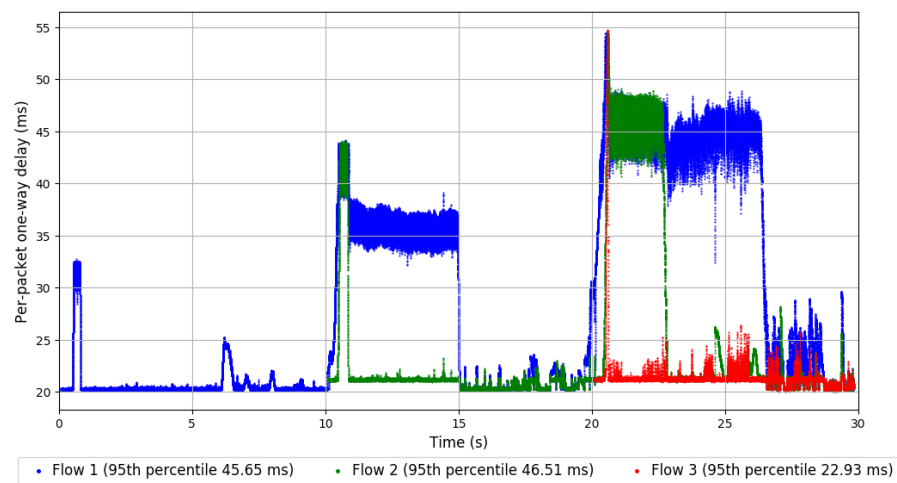
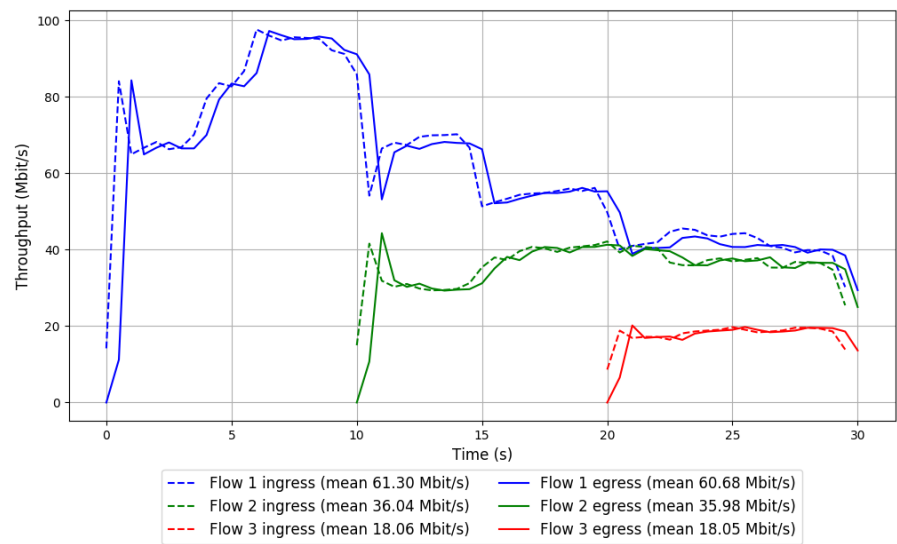


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-18 11:43:42
End at: 2018-07-18 11:44:12
Local clock offset: 1.175 ms
Remote clock offset: -7.818 ms

Below is generated by plot.py at 2018-07-18 12:52:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.53 Mbit/s
95th percentile per-packet one-way delay: 45.734 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 60.68 Mbit/s
95th percentile per-packet one-way delay: 45.645 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 35.98 Mbit/s
95th percentile per-packet one-way delay: 46.506 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 18.05 Mbit/s
95th percentile per-packet one-way delay: 22.928 ms
Loss rate: 0.29%

Run 8: Report of PCC-Allegro — Data Link

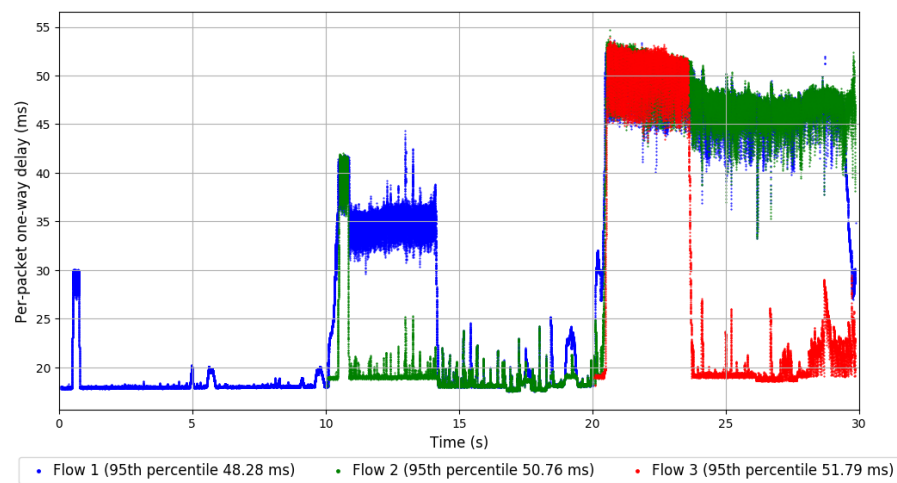
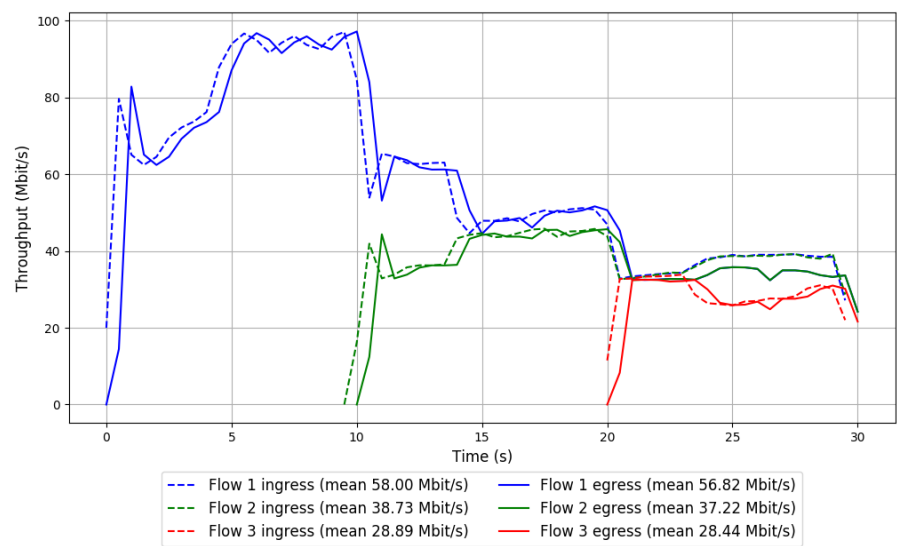


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-18 12:03:55
End at: 2018-07-18 12:04:25
Local clock offset: 0.672 ms
Remote clock offset: -3.037 ms

Below is generated by plot.py at 2018-07-18 12:52:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.92 Mbit/s
95th percentile per-packet one-way delay: 50.200 ms
Loss rate: 2.62%
-- Flow 1:
Average throughput: 56.82 Mbit/s
95th percentile per-packet one-way delay: 48.284 ms
Loss rate: 2.11%
-- Flow 2:
Average throughput: 37.22 Mbit/s
95th percentile per-packet one-way delay: 50.761 ms
Loss rate: 4.06%
-- Flow 3:
Average throughput: 28.44 Mbit/s
95th percentile per-packet one-way delay: 51.791 ms
Loss rate: 1.81%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-18 12:24:24

End at: 2018-07-18 12:24:54

Local clock offset: -0.417 ms

Remote clock offset: 1.054 ms

Below is generated by plot.py at 2018-07-18 12:52:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.11 Mbit/s

95th percentile per-packet one-way delay: 46.072 ms

Loss rate: 1.32%

-- Flow 1:

Average throughput: 61.15 Mbit/s

95th percentile per-packet one-way delay: 35.022 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 35.72 Mbit/s

95th percentile per-packet one-way delay: 48.964 ms

Loss rate: 3.98%

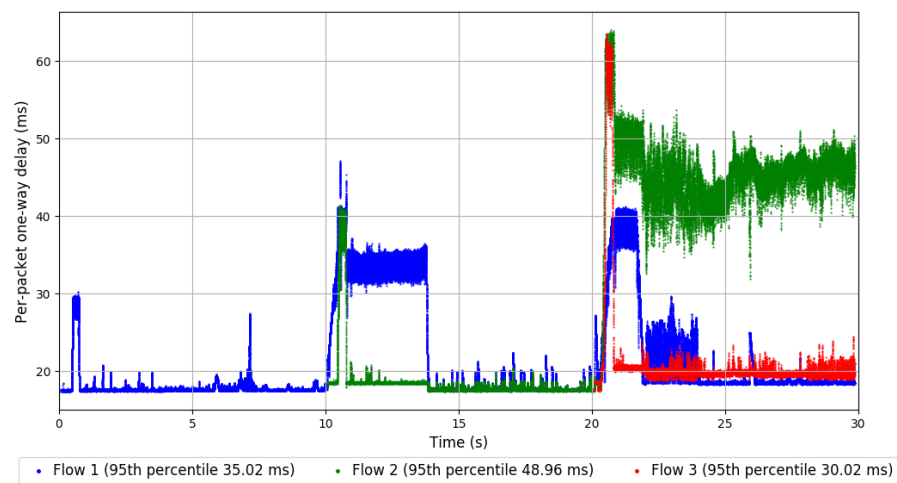
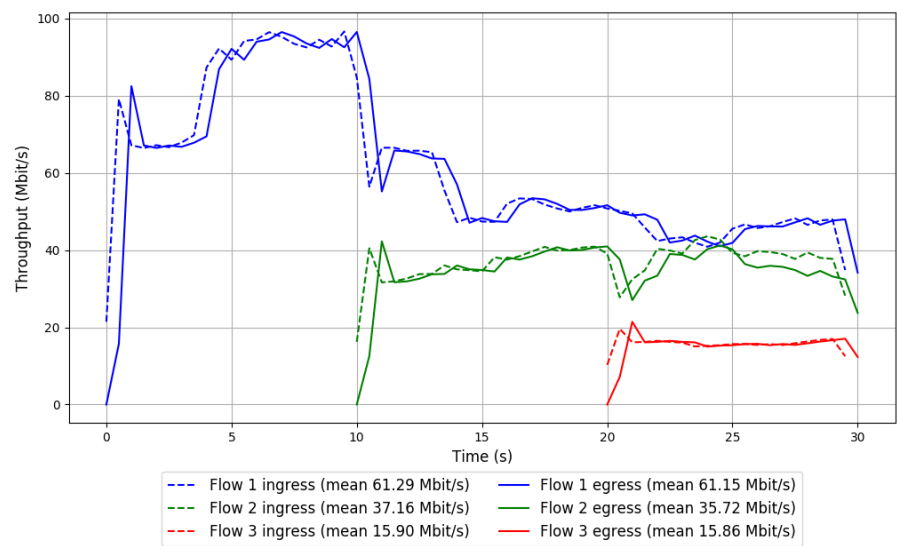
-- Flow 3:

Average throughput: 15.86 Mbit/s

95th percentile per-packet one-way delay: 30.017 ms

Loss rate: 0.46%

Run 10: Report of PCC-Allegro — Data Link

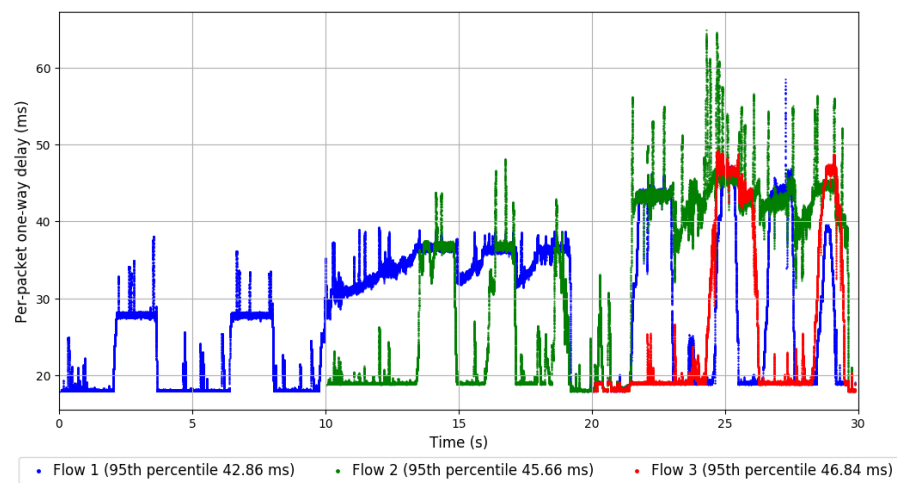
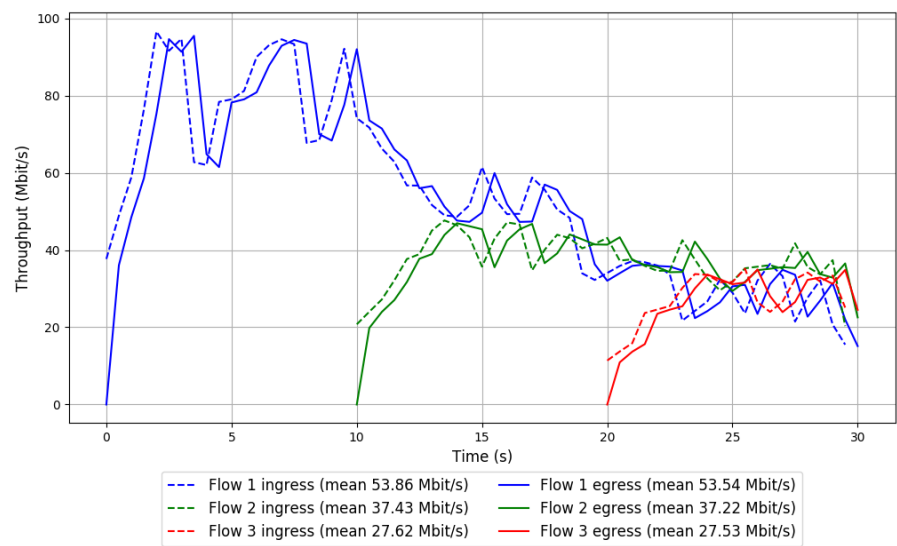


Run 1: Statistics of PCC-Expr

Start at: 2018-07-18 09:14:21
End at: 2018-07-18 09:14:51
Local clock offset: 1.217 ms
Remote clock offset: -4.495 ms

Below is generated by plot.py at 2018-07-18 12:53:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.36 Mbit/s
95th percentile per-packet one-way delay: 44.738 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 53.54 Mbit/s
95th percentile per-packet one-way delay: 42.863 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 37.22 Mbit/s
95th percentile per-packet one-way delay: 45.659 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 27.53 Mbit/s
95th percentile per-packet one-way delay: 46.839 ms
Loss rate: 0.57%

Run 1: Report of PCC-Expr — Data Link

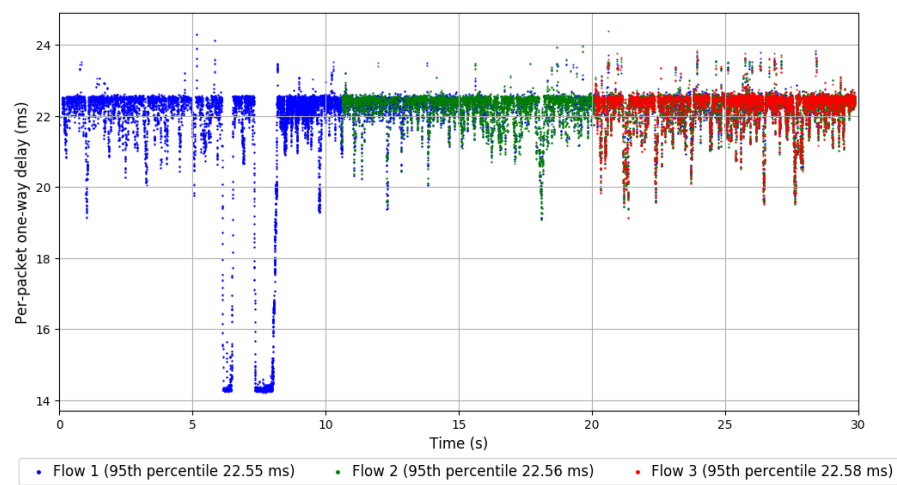
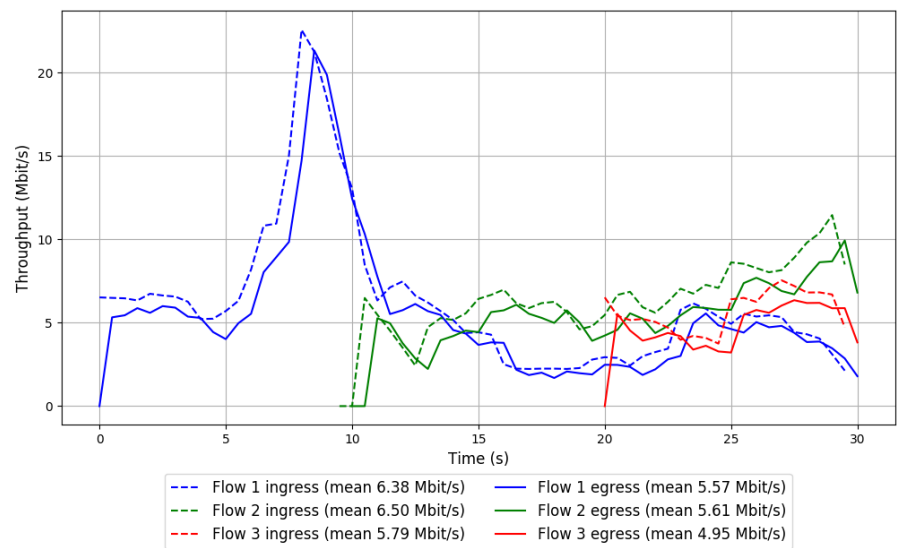


Run 2: Statistics of PCC-Expr

Start at: 2018-07-18 09:39:02
End at: 2018-07-18 09:39:32
Local clock offset: -1.576 ms
Remote clock offset: -4.455 ms

Below is generated by plot.py at 2018-07-18 12:53:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.89 Mbit/s
95th percentile per-packet one-way delay: 22.556 ms
Loss rate: 13.81%
-- Flow 1:
Average throughput: 5.57 Mbit/s
95th percentile per-packet one-way delay: 22.548 ms
Loss rate: 12.75%
-- Flow 2:
Average throughput: 5.61 Mbit/s
95th percentile per-packet one-way delay: 22.560 ms
Loss rate: 14.97%
-- Flow 3:
Average throughput: 4.95 Mbit/s
95th percentile per-packet one-way delay: 22.578 ms
Loss rate: 14.70%

Run 2: Report of PCC-Expr — Data Link

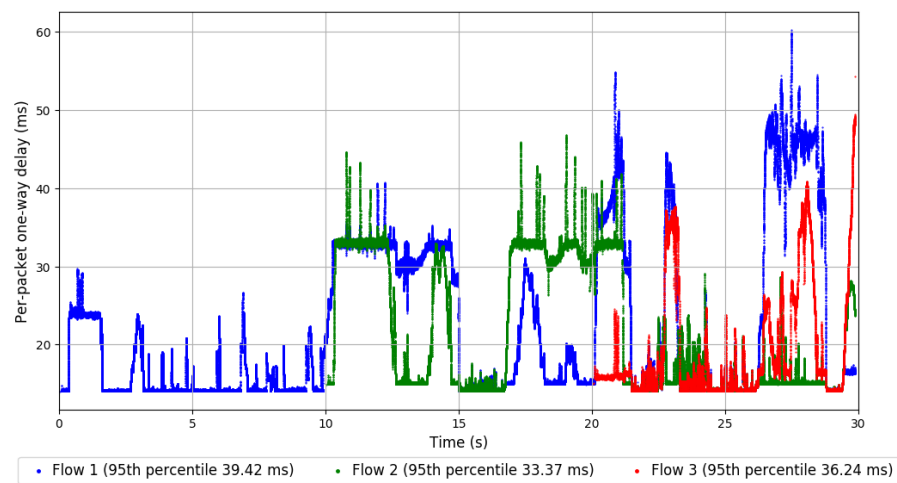
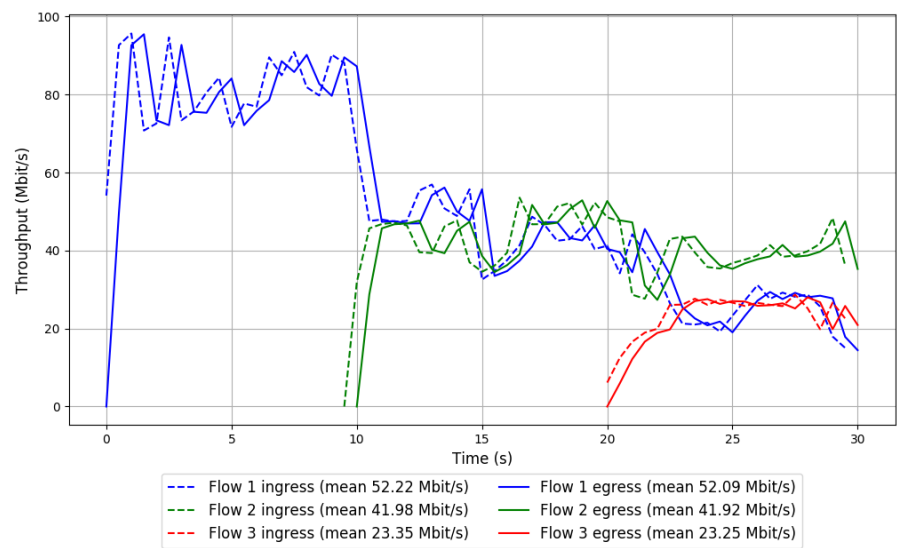


Run 3: Statistics of PCC-Expr

Start at: 2018-07-18 10:03:33
End at: 2018-07-18 10:04:03
Local clock offset: -0.986 ms
Remote clock offset: -3.262 ms

Below is generated by plot.py at 2018-07-18 12:53:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.62 Mbit/s
95th percentile per-packet one-way delay: 36.390 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 52.09 Mbit/s
95th percentile per-packet one-way delay: 39.418 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 41.92 Mbit/s
95th percentile per-packet one-way delay: 33.368 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 23.25 Mbit/s
95th percentile per-packet one-way delay: 36.239 ms
Loss rate: 0.74%

Run 3: Report of PCC-Expr — Data Link

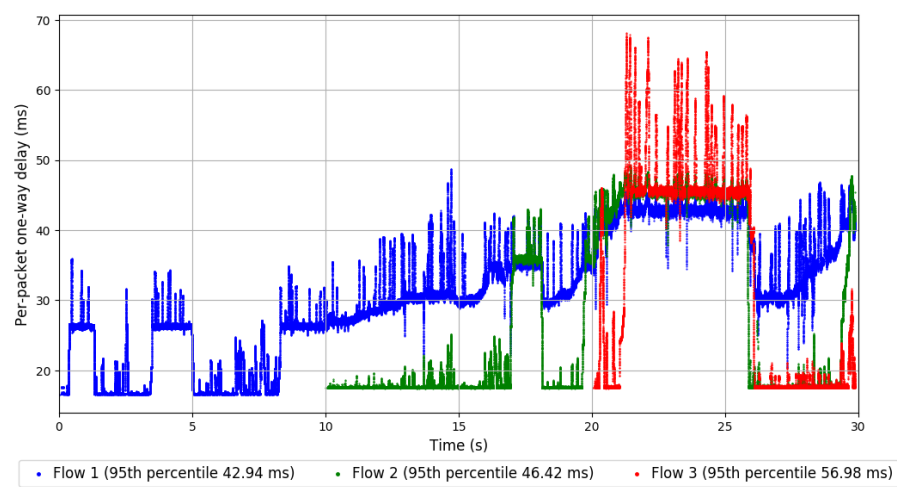
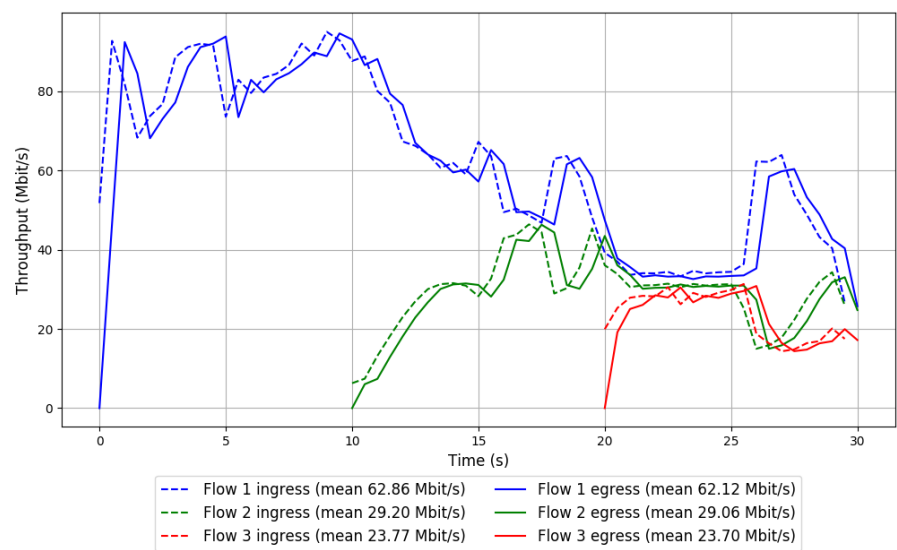


Run 4: Statistics of PCC-Expr

Start at: 2018-07-18 10:24:12
End at: 2018-07-18 10:24:42
Local clock offset: -0.225 ms
Remote clock offset: -3.658 ms

Below is generated by plot.py at 2018-07-18 12:53:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.24 Mbit/s
95th percentile per-packet one-way delay: 45.720 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 62.12 Mbit/s
95th percentile per-packet one-way delay: 42.935 ms
Loss rate: 1.31%
-- Flow 2:
Average throughput: 29.06 Mbit/s
95th percentile per-packet one-way delay: 46.416 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 23.70 Mbit/s
95th percentile per-packet one-way delay: 56.977 ms
Loss rate: 0.54%

Run 4: Report of PCC-Expr — Data Link

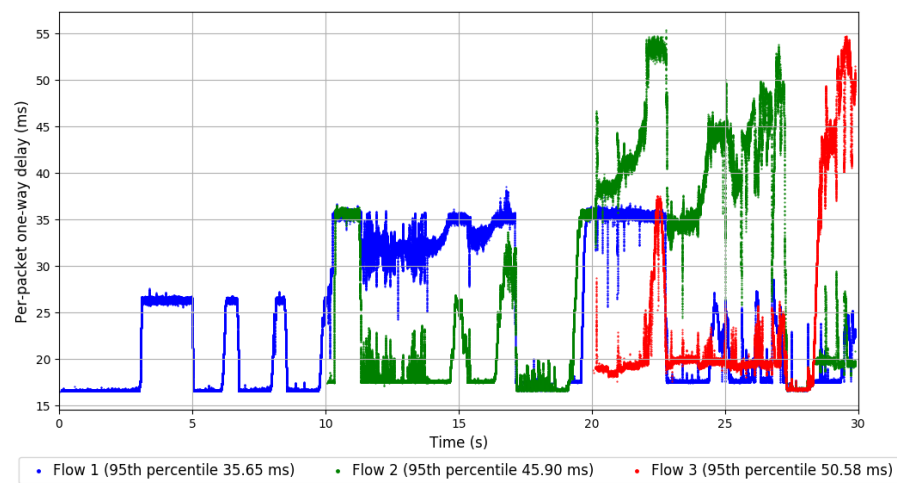
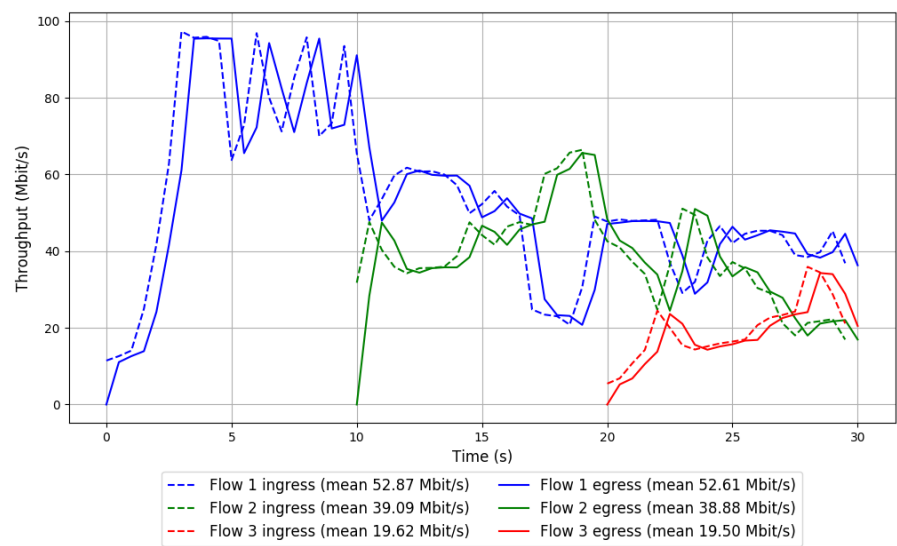


Run 5: Statistics of PCC-Expr

Start at: 2018-07-18 10:44:43
End at: 2018-07-18 10:45:13
Local clock offset: -0.869 ms
Remote clock offset: -1.228 ms

Below is generated by plot.py at 2018-07-18 12:53:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.88 Mbit/s
95th percentile per-packet one-way delay: 42.144 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 52.61 Mbit/s
95th percentile per-packet one-way delay: 35.652 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 38.88 Mbit/s
95th percentile per-packet one-way delay: 45.904 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 19.50 Mbit/s
95th percentile per-packet one-way delay: 50.575 ms
Loss rate: 0.92%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-18 11:04:58

End at: 2018-07-18 11:05:28

Local clock offset: 1.091 ms

Remote clock offset: -0.83 ms

Below is generated by plot.py at 2018-07-18 12:54:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.15 Mbit/s

95th percentile per-packet one-way delay: 45.092 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 57.75 Mbit/s

95th percentile per-packet one-way delay: 44.938 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 30.85 Mbit/s

95th percentile per-packet one-way delay: 45.385 ms

Loss rate: 0.50%

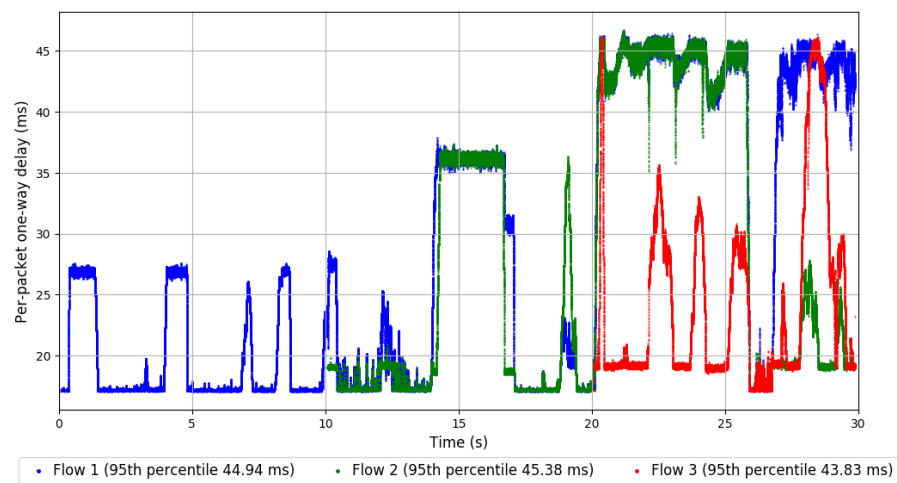
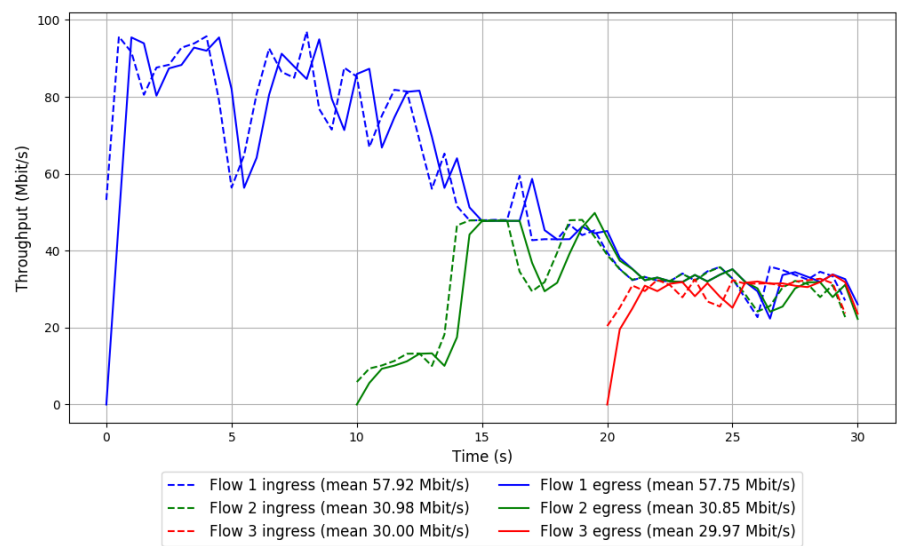
-- Flow 3:

Average throughput: 29.97 Mbit/s

95th percentile per-packet one-way delay: 43.827 ms

Loss rate: 0.33%

Run 6: Report of PCC-Expr — Data Link

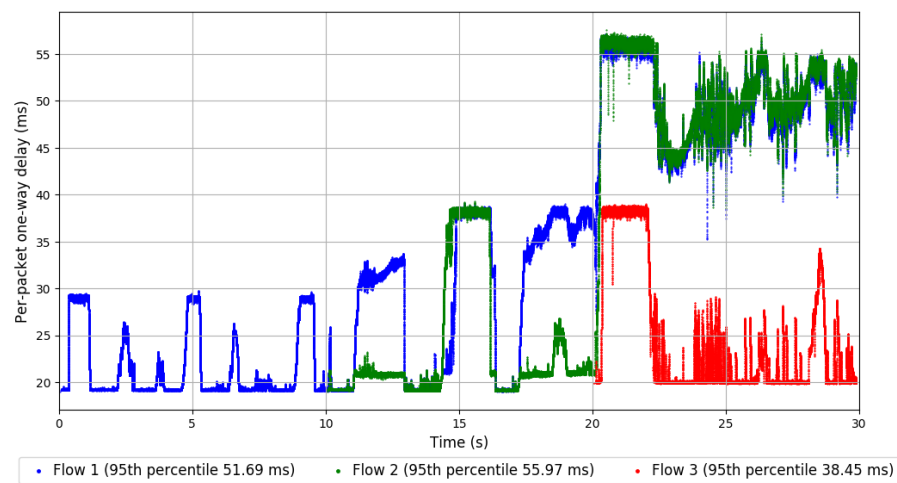
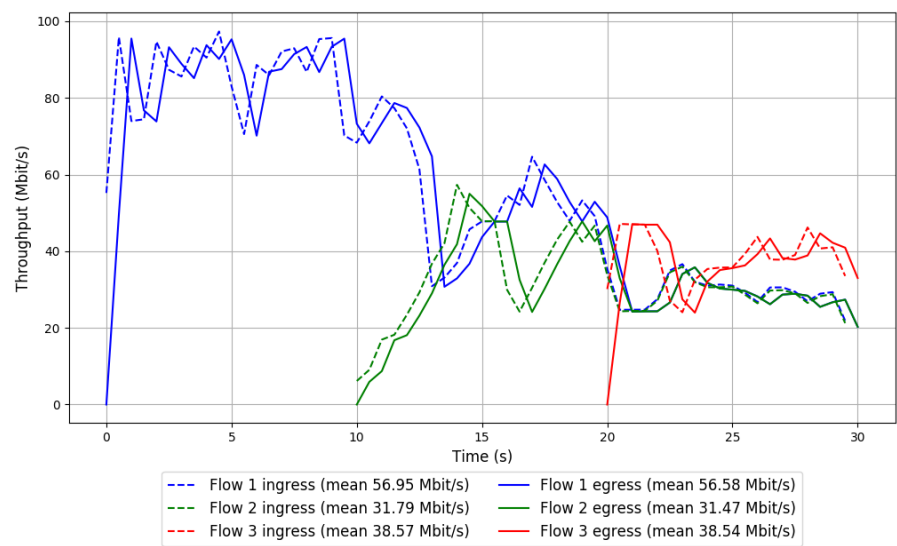


Run 7: Statistics of PCC-Expr

Start at: 2018-07-18 11:25:38
End at: 2018-07-18 11:26:08
Local clock offset: 3.83 ms
Remote clock offset: -3.349 ms

Below is generated by plot.py at 2018-07-18 12:54:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.19 Mbit/s
95th percentile per-packet one-way delay: 53.324 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 56.58 Mbit/s
95th percentile per-packet one-way delay: 51.693 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 31.47 Mbit/s
95th percentile per-packet one-way delay: 55.969 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 38.54 Mbit/s
95th percentile per-packet one-way delay: 38.447 ms
Loss rate: 0.32%

Run 7: Report of PCC-Expr — Data Link

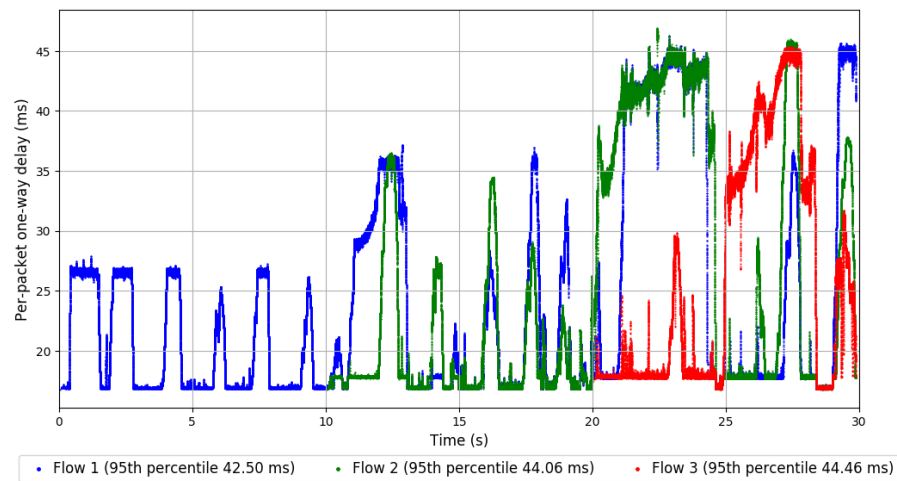
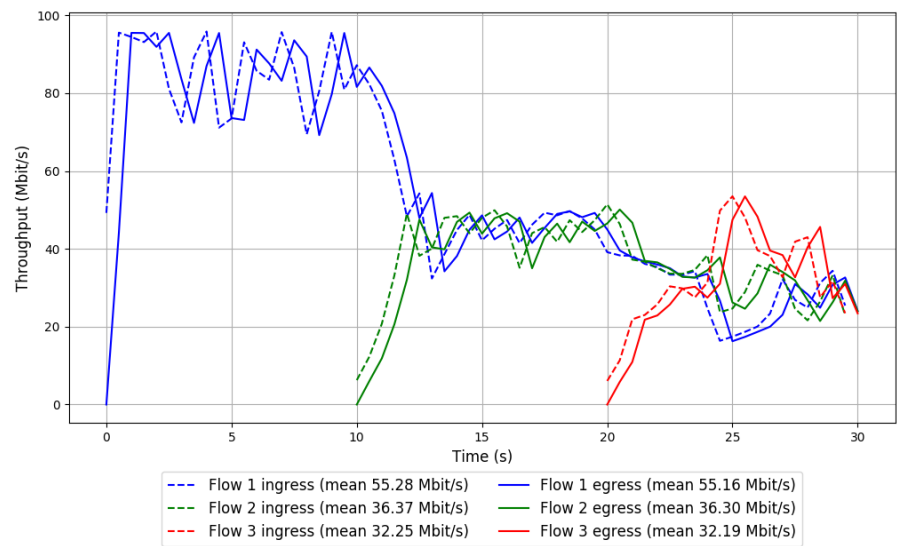


Run 8: Statistics of PCC-Expr

Start at: 2018-07-18 11:46:09
End at: 2018-07-18 11:46:39
Local clock offset: -1.137 ms
Remote clock offset: -7.056 ms

Below is generated by plot.py at 2018-07-18 12:54:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.90 Mbit/s
95th percentile per-packet one-way delay: 43.366 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 55.16 Mbit/s
95th percentile per-packet one-way delay: 42.497 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 36.30 Mbit/s
95th percentile per-packet one-way delay: 44.064 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 32.19 Mbit/s
95th percentile per-packet one-way delay: 44.459 ms
Loss rate: 0.54%

Run 8: Report of PCC-Expr — Data Link

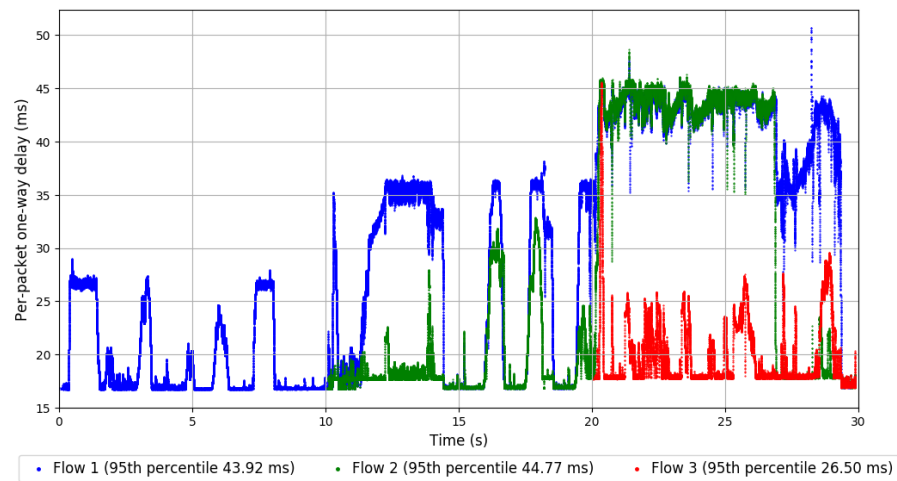
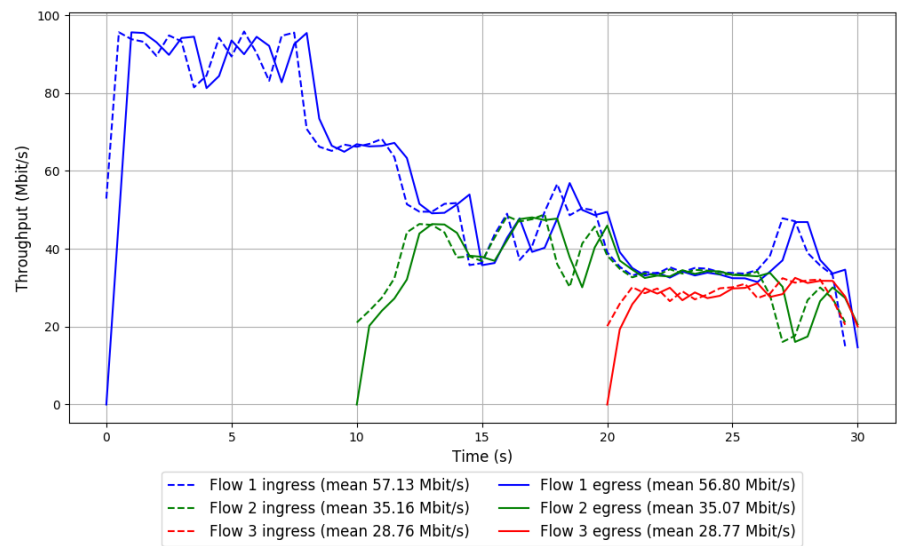


Run 9: Statistics of PCC-Expr

Start at: 2018-07-18 12:06:19
End at: 2018-07-18 12:06:49
Local clock offset: -0.059 ms
Remote clock offset: -1.535 ms

Below is generated by plot.py at 2018-07-18 12:54:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.60 Mbit/s
95th percentile per-packet one-way delay: 44.241 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 56.80 Mbit/s
95th percentile per-packet one-way delay: 43.918 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 35.07 Mbit/s
95th percentile per-packet one-way delay: 44.774 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 28.77 Mbit/s
95th percentile per-packet one-way delay: 26.497 ms
Loss rate: 0.23%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-18 12:26:51

End at: 2018-07-18 12:27:21

Local clock offset: -2.145 ms

Remote clock offset: 1.857 ms

Below is generated by plot.py at 2018-07-18 12:55:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.80 Mbit/s

95th percentile per-packet one-way delay: 40.441 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 54.49 Mbit/s

95th percentile per-packet one-way delay: 39.861 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 36.28 Mbit/s

95th percentile per-packet one-way delay: 36.784 ms

Loss rate: 0.49%

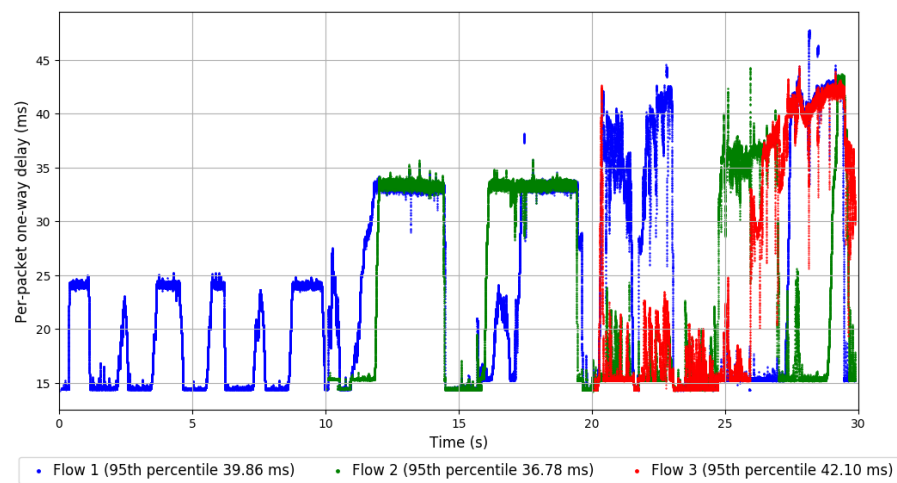
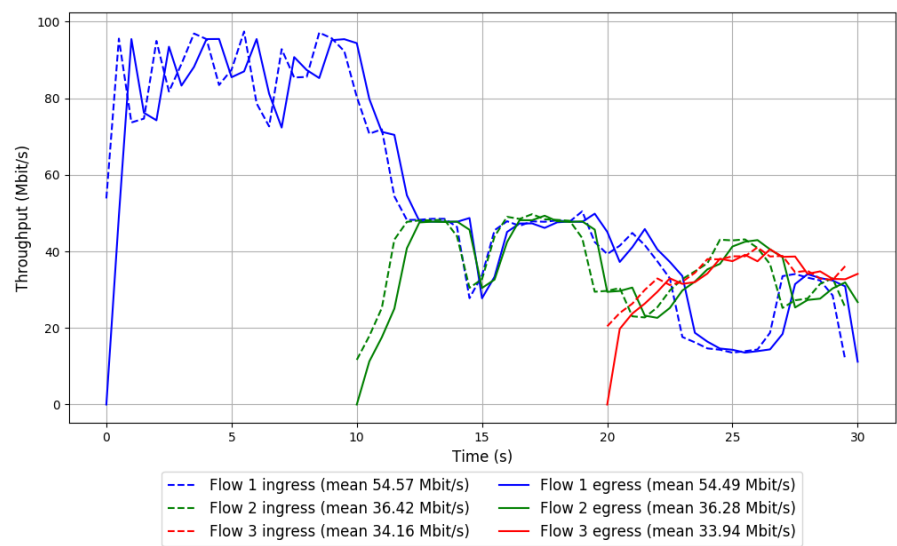
-- Flow 3:

Average throughput: 33.94 Mbit/s

95th percentile per-packet one-way delay: 42.101 ms

Loss rate: 0.86%

Run 10: Report of PCC-Expr — Data Link

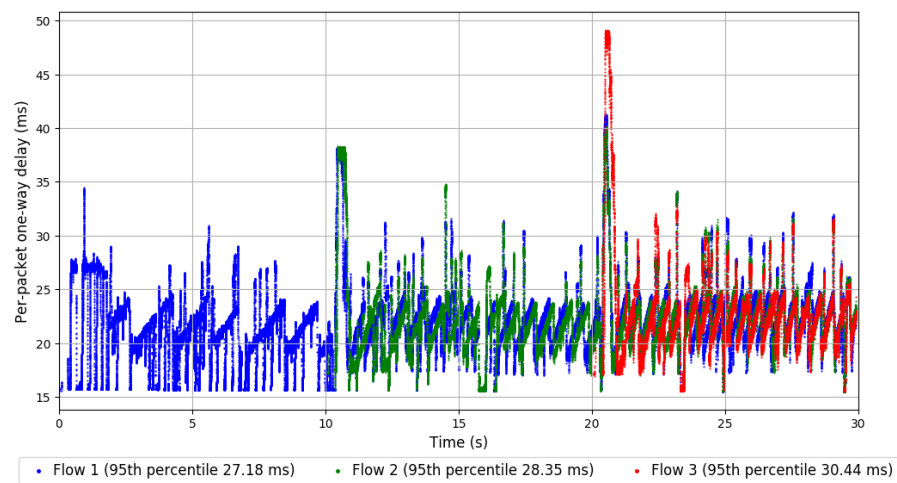
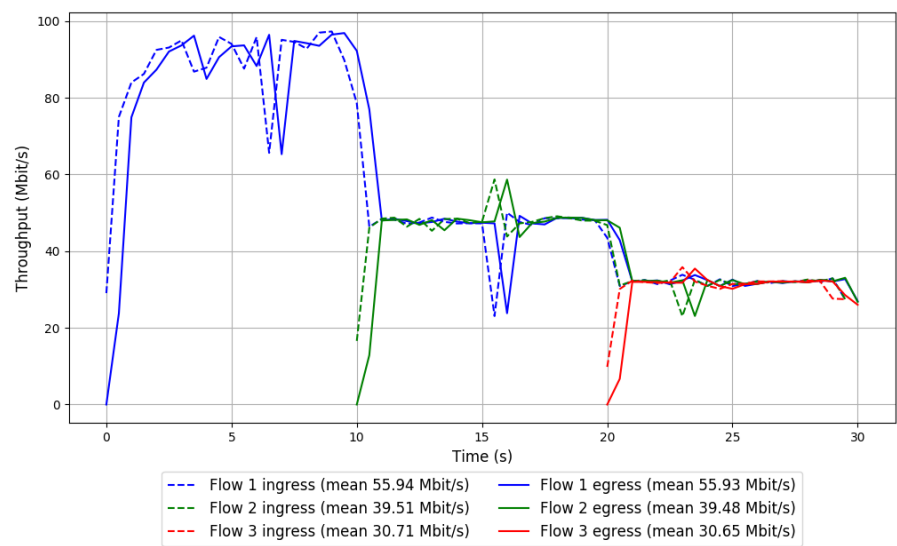


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-18 09:05:55
End at: 2018-07-18 09:06:25
Local clock offset: -0.697 ms
Remote clock offset: -1.512 ms

Below is generated by plot.py at 2018-07-18 12:55:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.31 Mbit/s
95th percentile per-packet one-way delay: 27.464 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 55.93 Mbit/s
95th percentile per-packet one-way delay: 27.185 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 39.48 Mbit/s
95th percentile per-packet one-way delay: 28.352 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 30.65 Mbit/s
95th percentile per-packet one-way delay: 30.438 ms
Loss rate: 0.43%

Run 1: Report of QUIC Cubic — Data Link

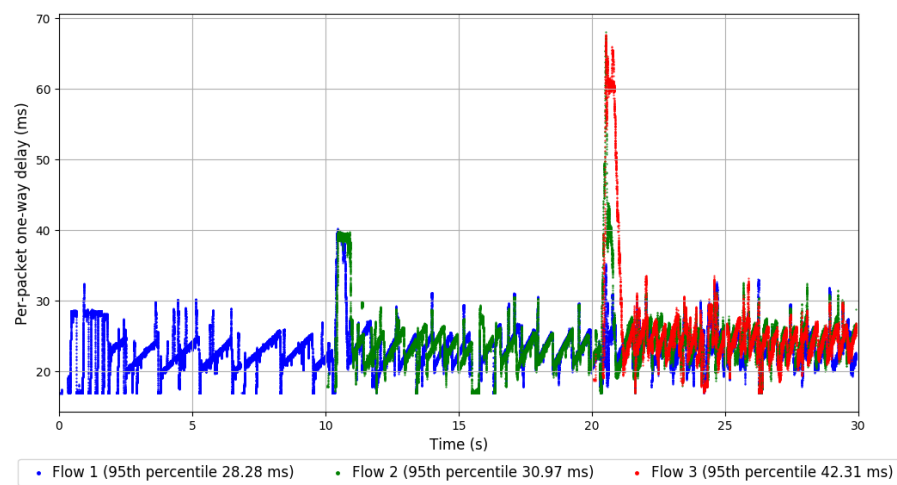
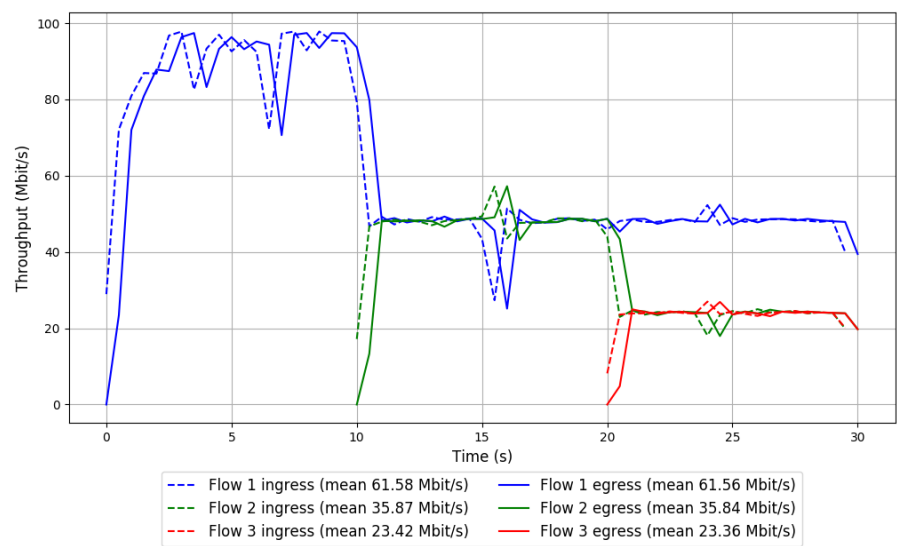


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-18 09:26:42
End at: 2018-07-18 09:27:12
Local clock offset: 0.862 ms
Remote clock offset: -4.575 ms

Below is generated by plot.py at 2018-07-18 12:55:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.10 Mbit/s
95th percentile per-packet one-way delay: 28.400 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 61.56 Mbit/s
95th percentile per-packet one-way delay: 28.280 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 35.84 Mbit/s
95th percentile per-packet one-way delay: 30.971 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 23.36 Mbit/s
95th percentile per-packet one-way delay: 42.308 ms
Loss rate: 0.53%

Run 2: Report of QUIC Cubic — Data Link

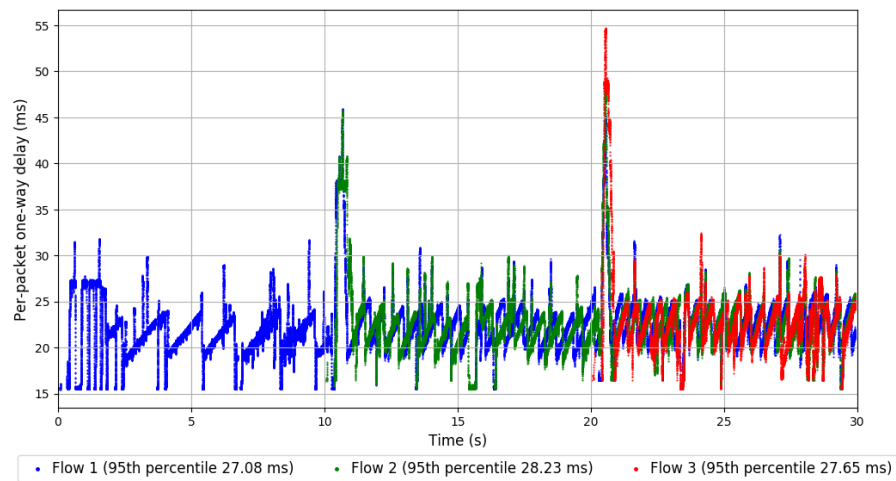
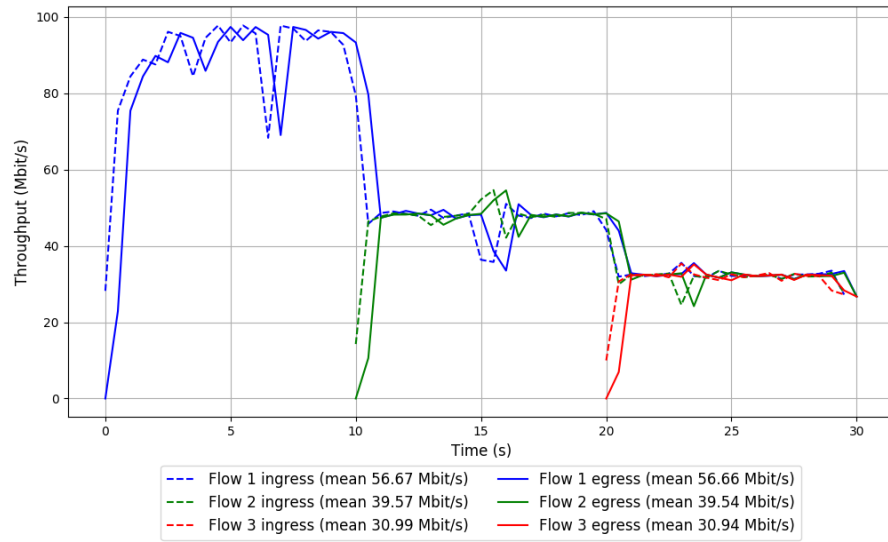


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-18 09:55:09
End at: 2018-07-18 09:55:39
Local clock offset: 0.005 ms
Remote clock offset: -3.868 ms

Below is generated by plot.py at 2018-07-18 12:55:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 27.144 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 56.66 Mbit/s
95th percentile per-packet one-way delay: 27.079 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 39.54 Mbit/s
95th percentile per-packet one-way delay: 28.226 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 30.94 Mbit/s
95th percentile per-packet one-way delay: 27.654 ms
Loss rate: 0.39%

Run 3: Report of QUIC Cubic — Data Link

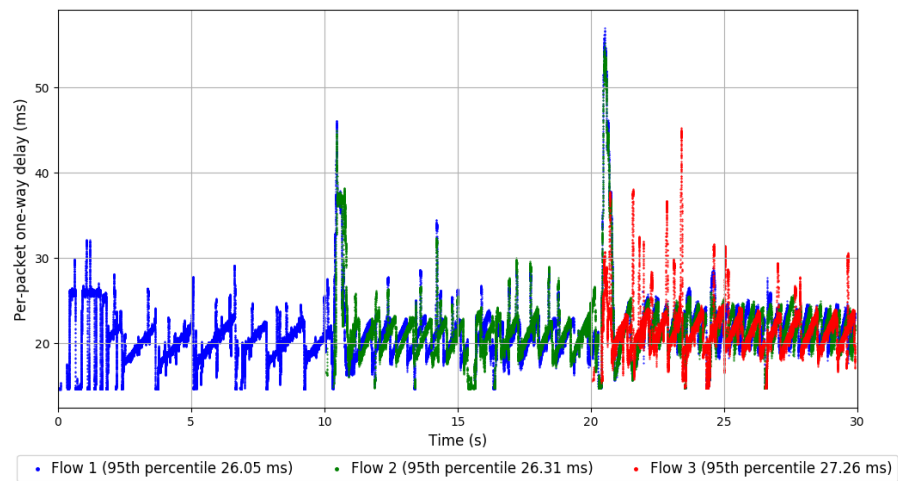
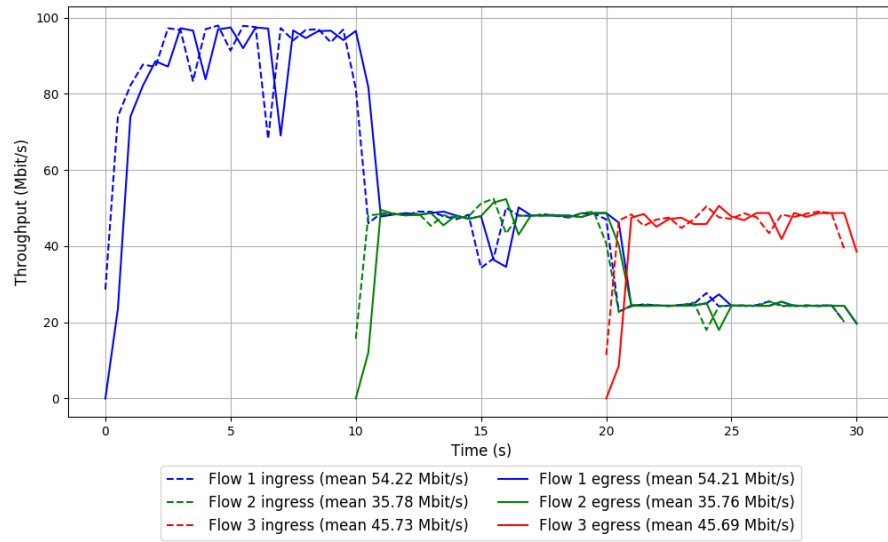


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-18 10:15:50
End at: 2018-07-18 10:16:20
Local clock offset: -0.393 ms
Remote clock offset: -2.685 ms

Below is generated by plot.py at 2018-07-18 12:55:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.07 Mbit/s
95th percentile per-packet one-way delay: 26.084 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 54.21 Mbit/s
95th percentile per-packet one-way delay: 26.046 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 35.76 Mbit/s
95th percentile per-packet one-way delay: 26.309 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 45.69 Mbit/s
95th percentile per-packet one-way delay: 27.256 ms
Loss rate: 0.34%

Run 4: Report of QUIC Cubic — Data Link

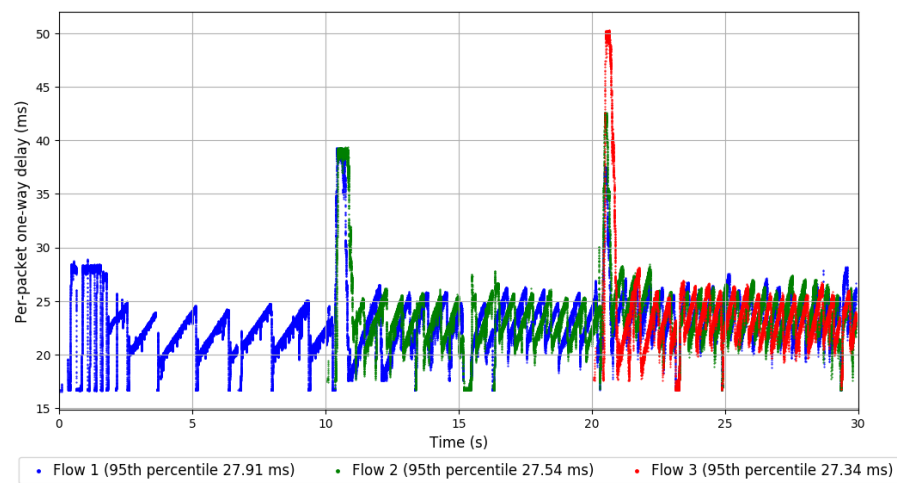
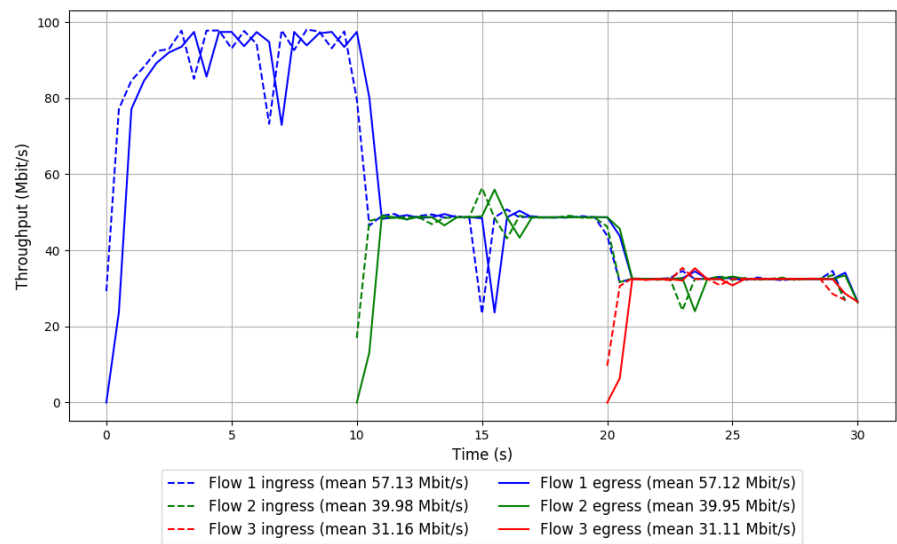


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-18 10:36:22
End at: 2018-07-18 10:36:52
Local clock offset: -0.876 ms
Remote clock offset: -2.167 ms

Below is generated by plot.py at 2018-07-18 12:55:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.95 Mbit/s
95th percentile per-packet one-way delay: 27.852 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 57.12 Mbit/s
95th percentile per-packet one-way delay: 27.907 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 39.95 Mbit/s
95th percentile per-packet one-way delay: 27.542 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 31.11 Mbit/s
95th percentile per-packet one-way delay: 27.335 ms
Loss rate: 0.42%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-18 10:56:38

End at: 2018-07-18 10:57:08

Local clock offset: -0.22 ms

Remote clock offset: -0.92 ms

Below is generated by plot.py at 2018-07-18 12:55:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.88 Mbit/s

95th percentile per-packet one-way delay: 28.209 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 54.45 Mbit/s

95th percentile per-packet one-way delay: 28.183 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 36.17 Mbit/s

95th percentile per-packet one-way delay: 28.500 ms

Loss rate: 0.19%

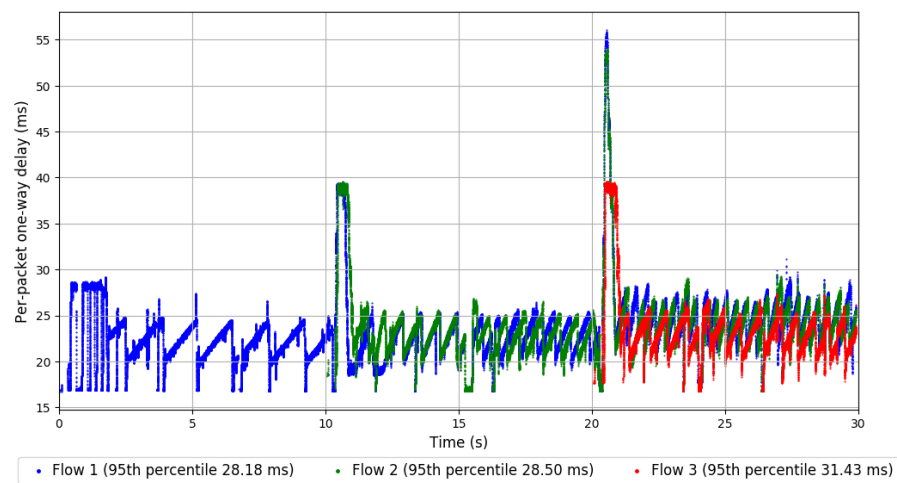
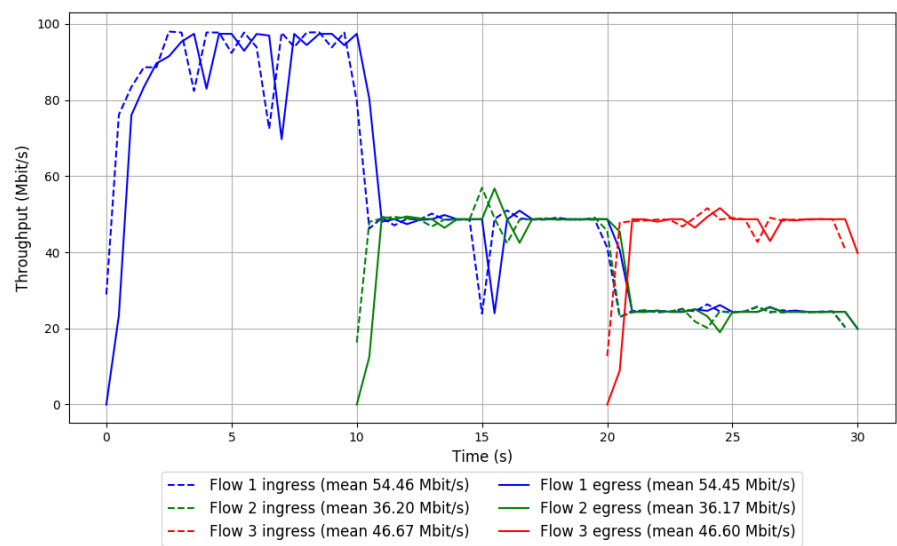
-- Flow 3:

Average throughput: 46.60 Mbit/s

95th percentile per-packet one-way delay: 31.435 ms

Loss rate: 0.38%

Run 6: Report of QUIC Cubic — Data Link

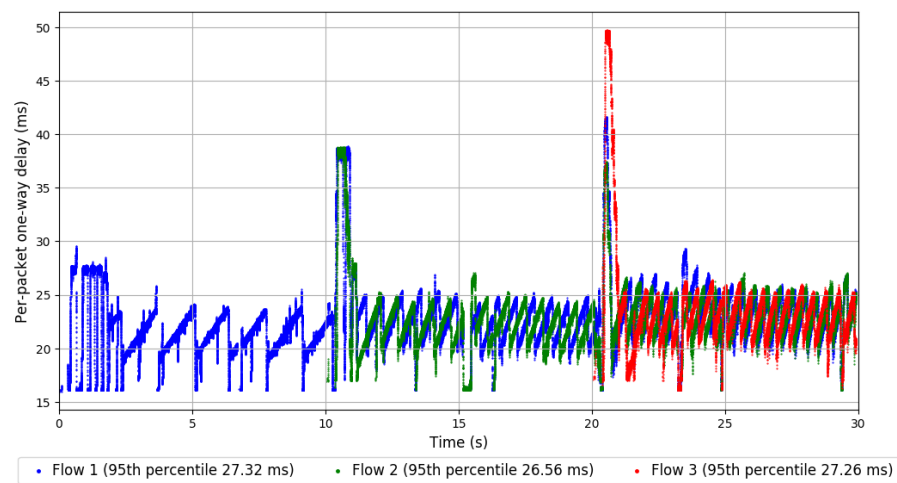
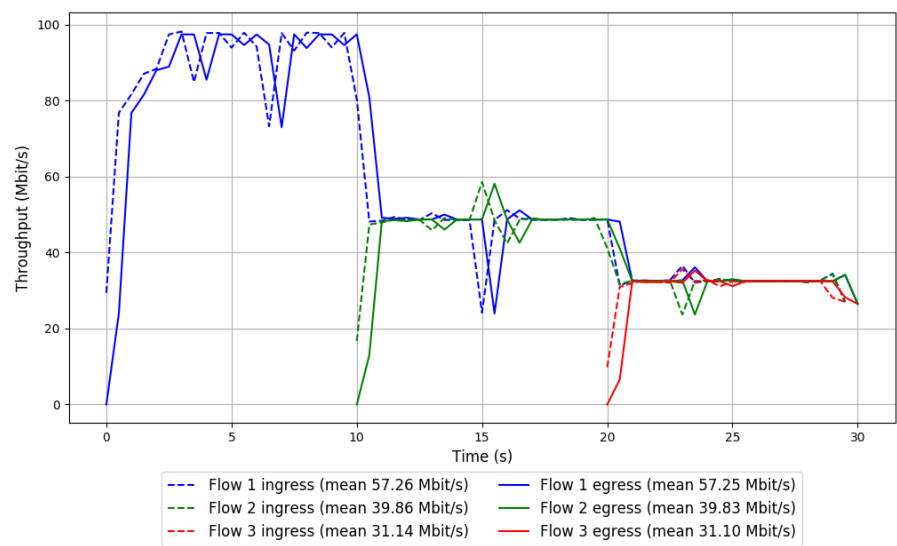


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-18 11:17:12
End at: 2018-07-18 11:17:42
Local clock offset: 1.082 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-07-18 12:55:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.00 Mbit/s
95th percentile per-packet one-way delay: 27.298 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 57.25 Mbit/s
95th percentile per-packet one-way delay: 27.323 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 39.83 Mbit/s
95th percentile per-packet one-way delay: 26.560 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 31.10 Mbit/s
95th percentile per-packet one-way delay: 27.259 ms
Loss rate: 0.41%

Run 7: Report of QUIC Cubic — Data Link

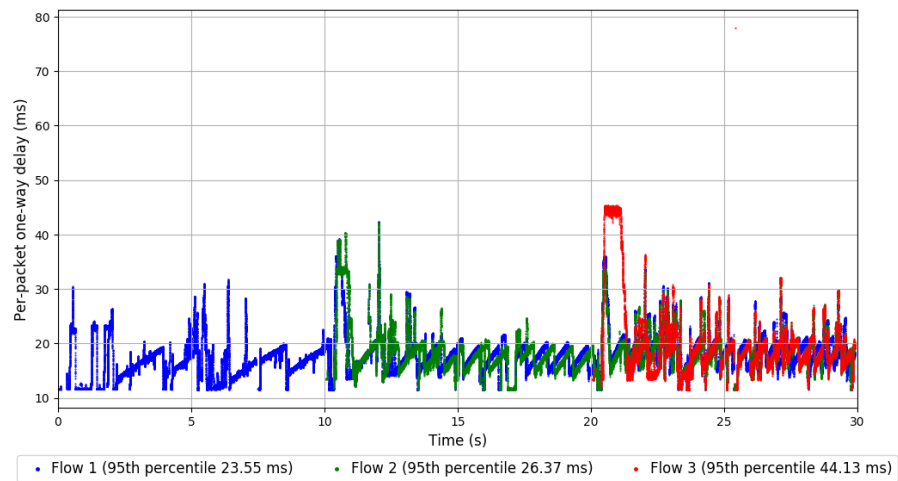
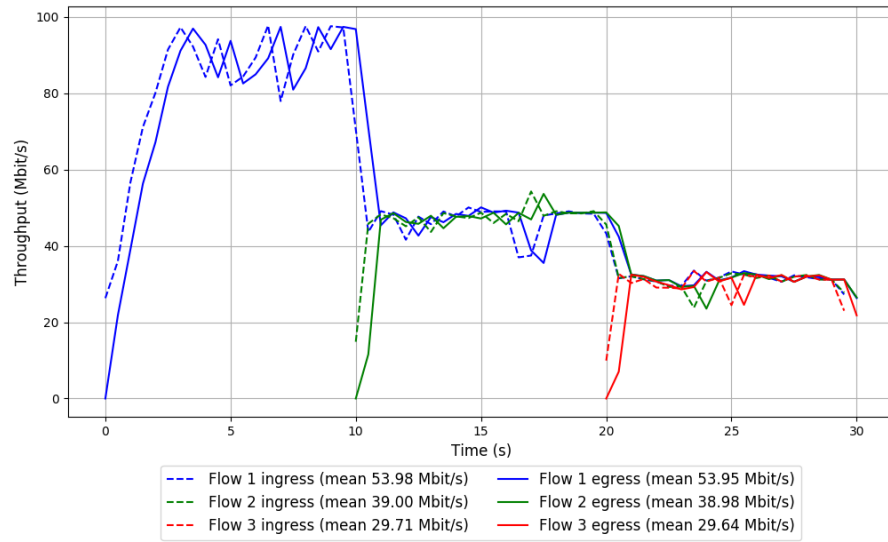


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-18 11:37:40
End at: 2018-07-18 11:38:10
Local clock offset: -5.789 ms
Remote clock offset: -5.362 ms

Below is generated by plot.py at 2018-07-18 12:56:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.66 Mbit/s
95th percentile per-packet one-way delay: 25.760 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 53.95 Mbit/s
95th percentile per-packet one-way delay: 23.555 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 38.98 Mbit/s
95th percentile per-packet one-way delay: 26.368 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 29.64 Mbit/s
95th percentile per-packet one-way delay: 44.130 ms
Loss rate: 0.53%

Run 8: Report of QUIC Cubic — Data Link

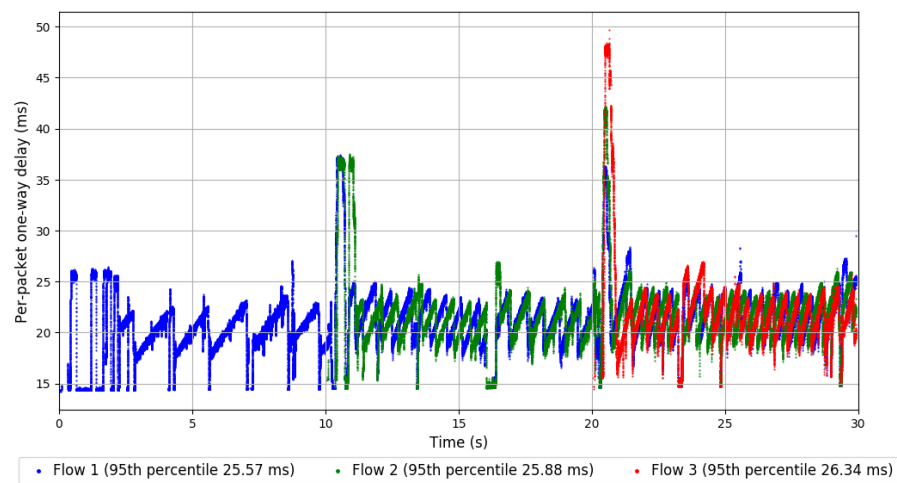
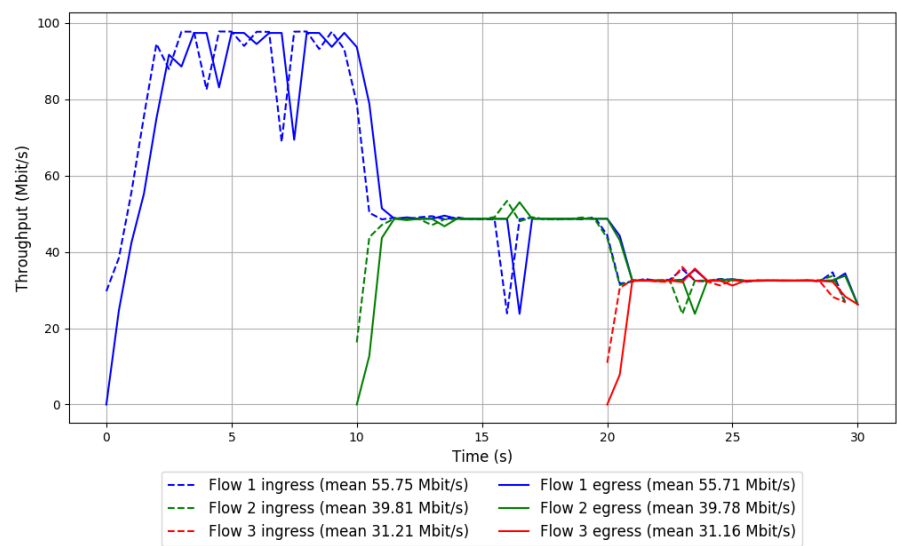


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-18 11:58:01
End at: 2018-07-18 11:58:31
Local clock offset: -1.102 ms
Remote clock offset: -5.422 ms

Below is generated by plot.py at 2018-07-18 12:56:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.46 Mbit/s
95th percentile per-packet one-way delay: 25.654 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 55.71 Mbit/s
95th percentile per-packet one-way delay: 25.569 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 39.78 Mbit/s
95th percentile per-packet one-way delay: 25.877 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 31.16 Mbit/s
95th percentile per-packet one-way delay: 26.342 ms
Loss rate: 0.40%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-18 12:18:26

End at: 2018-07-18 12:18:56

Local clock offset: -2.022 ms

Remote clock offset: 0.36 ms

Below is generated by plot.py at 2018-07-18 12:56:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.05 Mbit/s

95th percentile per-packet one-way delay: 26.944 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 56.43 Mbit/s

95th percentile per-packet one-way delay: 27.000 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 39.63 Mbit/s

95th percentile per-packet one-way delay: 26.048 ms

Loss rate: 0.20%

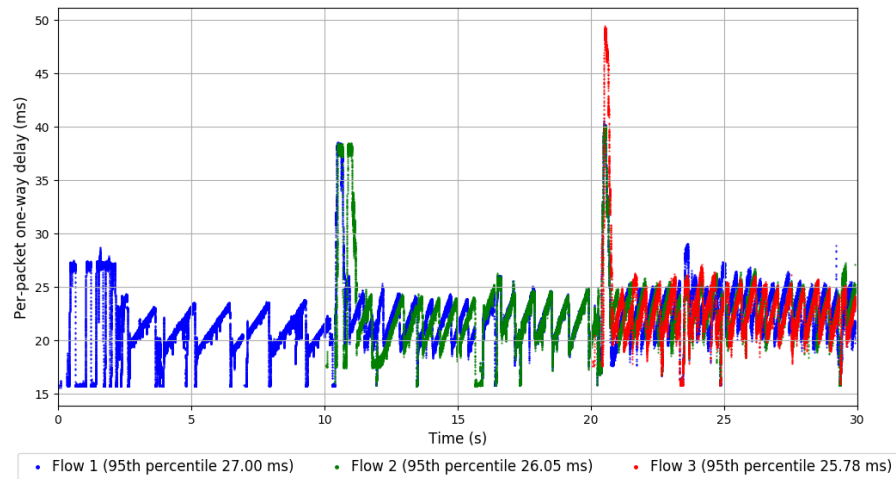
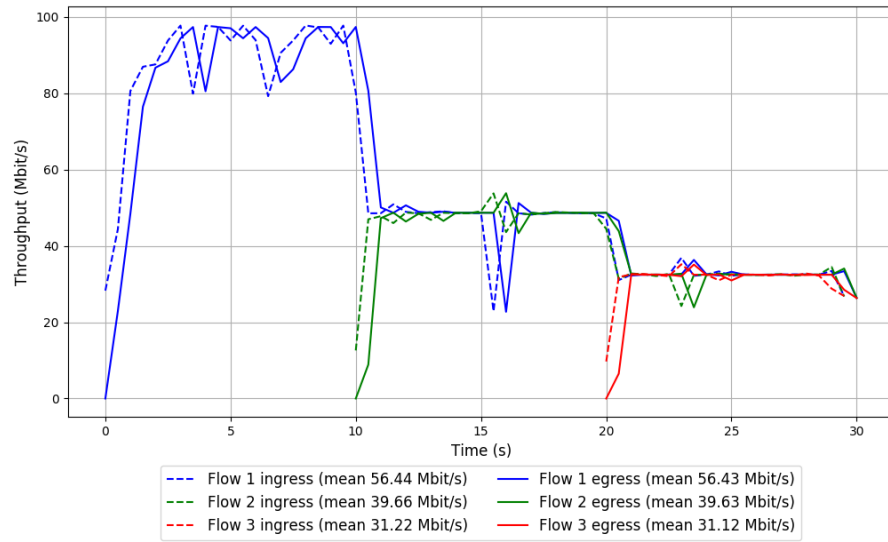
-- Flow 3:

Average throughput: 31.12 Mbit/s

95th percentile per-packet one-way delay: 25.781 ms

Loss rate: 0.58%

Run 10: Report of QUIC Cubic — Data Link

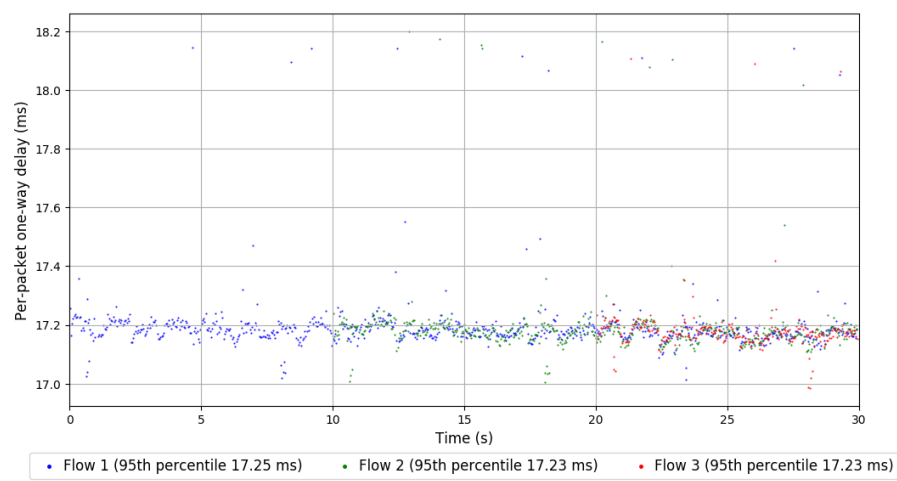
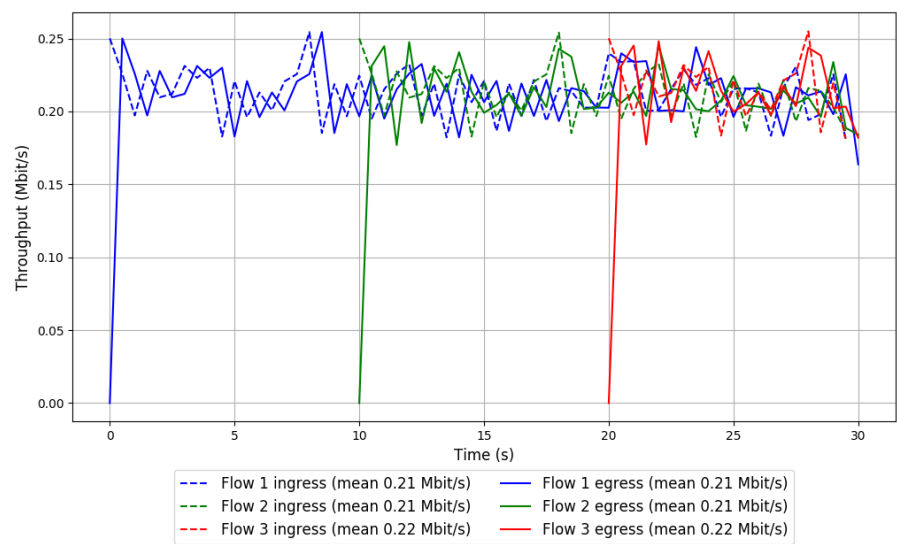


```
Run 1: Statistics of SReAM

Start at: 2018-07-18 09:18:23
End at: 2018-07-18 09:18:53
Local clock offset: -0.215 ms
Remote clock offset: -5.548 ms

# Below is generated by plot.py at 2018-07-18 12:56:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 17.235 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.245 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.230 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.226 ms
Loss rate: 0.36%
```

Run 1: Report of SReAM — Data Link

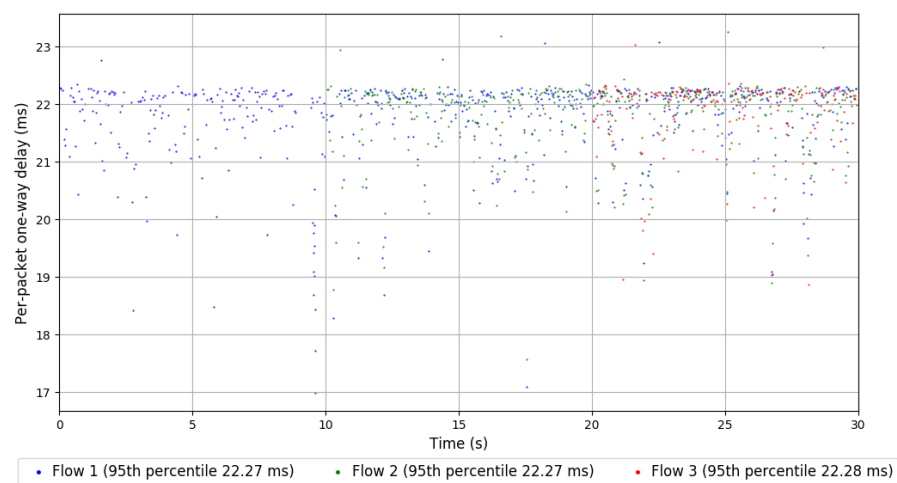
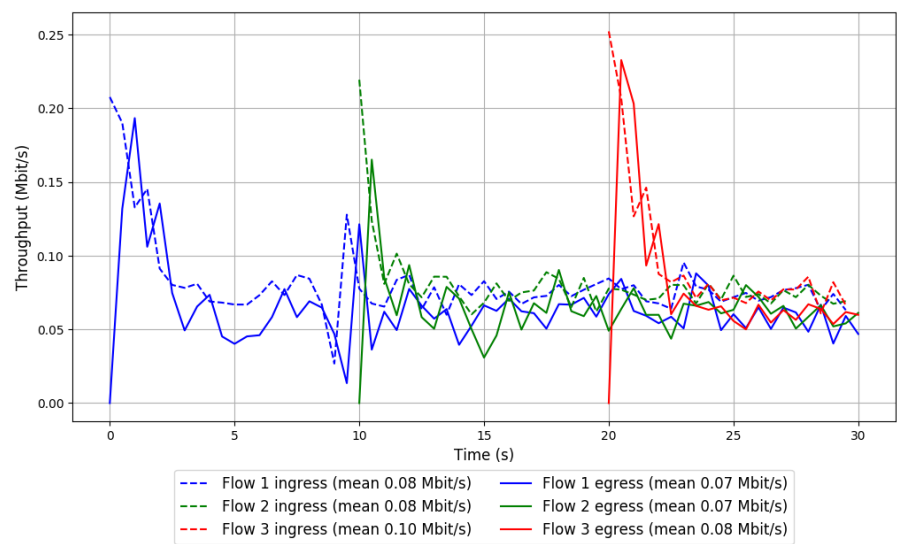


Run 2: Statistics of SCReAM

Start at: 2018-07-18 09:44:38
End at: 2018-07-18 09:45:08
Local clock offset: -1.614 ms
Remote clock offset: -4.235 ms

Below is generated by plot.py at 2018-07-18 12:56:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 22.270 ms
Loss rate: 18.39%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 22.266 ms
Loss rate: 19.30%
-- Flow 2:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 22.272 ms
Loss rate: 18.45%
-- Flow 3:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 22.279 ms
Loss rate: 15.99%

Run 2: Report of SReAM — Data Link

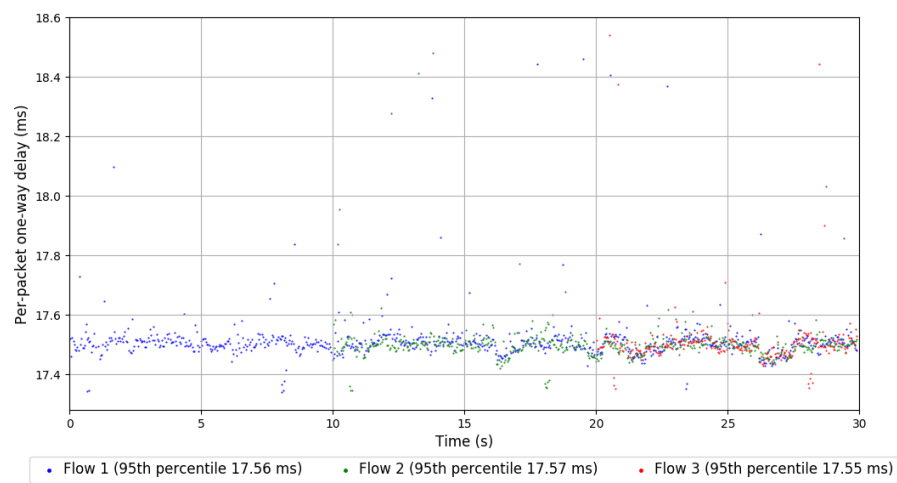
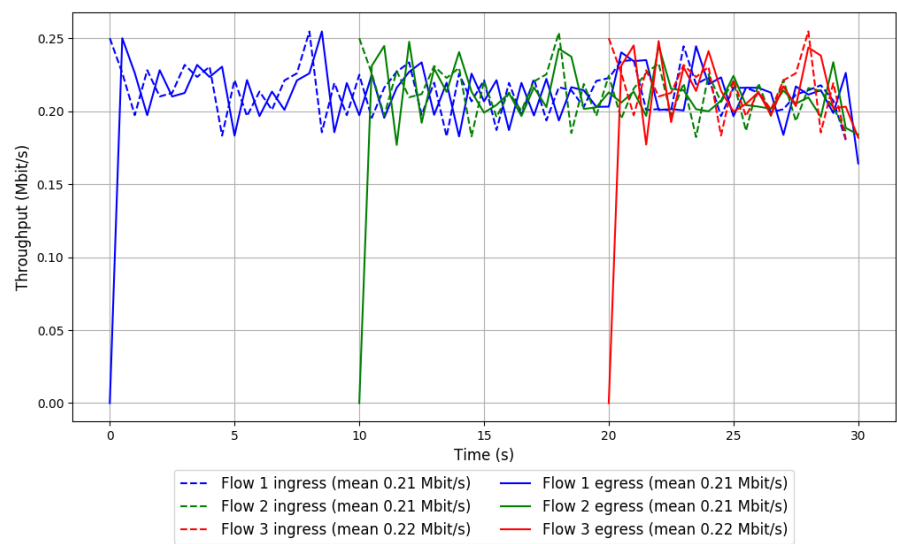


Run 3: Statistics of SReAM

Start at: 2018-07-18 10:07:19
End at: 2018-07-18 10:07:49
Local clock offset: 0.879 ms
Remote clock offset: -4.668 ms

Below is generated by plot.py at 2018-07-18 12:56:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 17.563 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.564 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.565 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.550 ms
Loss rate: 0.36%

Run 3: Report of SReAM — Data Link

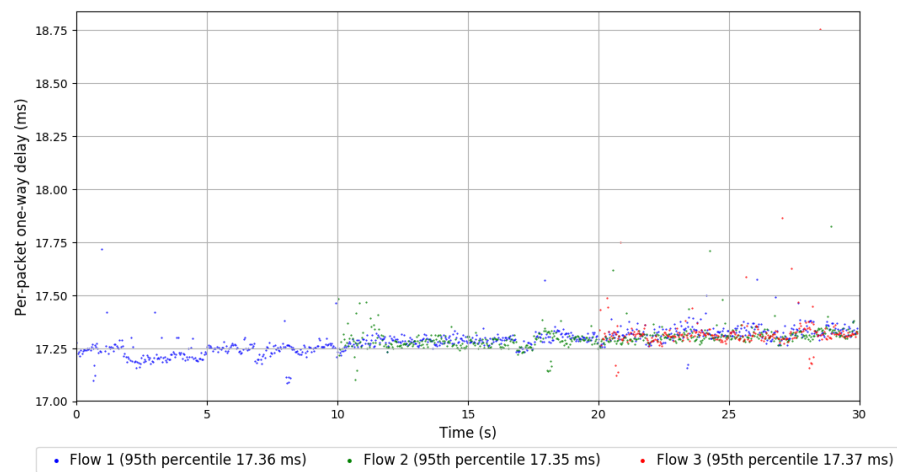
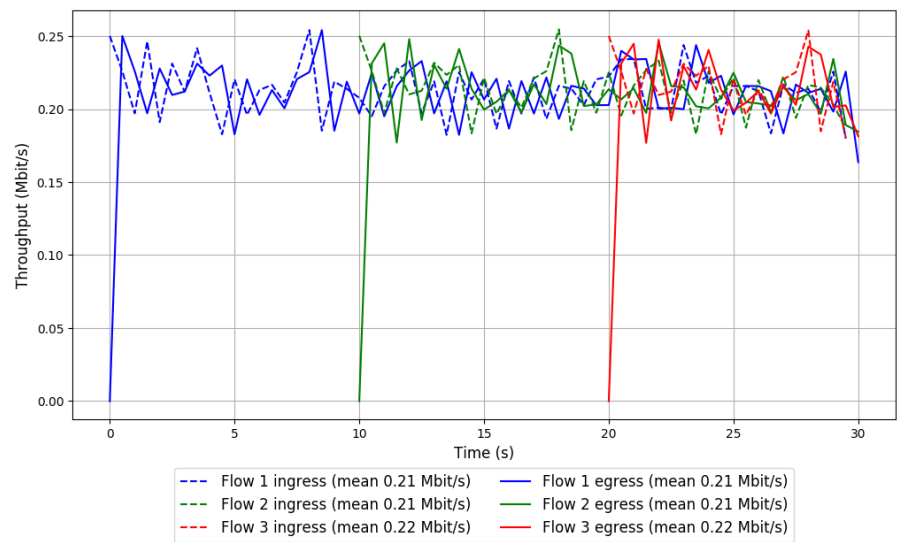


Run 4: Statistics of SCReAM

Start at: 2018-07-18 10:28:01
End at: 2018-07-18 10:28:31
Local clock offset: 0.531 ms
Remote clock offset: -2.625 ms

Below is generated by plot.py at 2018-07-18 12:56:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 17.364 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.364 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.354 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.373 ms
Loss rate: 0.36%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-07-18 10:48:20

End at: 2018-07-18 10:48:50

Local clock offset: -1.731 ms

Remote clock offset: 0.182 ms

Below is generated by plot.py at 2018-07-18 12:56:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 14.648 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 14.649 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 14.648 ms

Loss rate: 0.19%

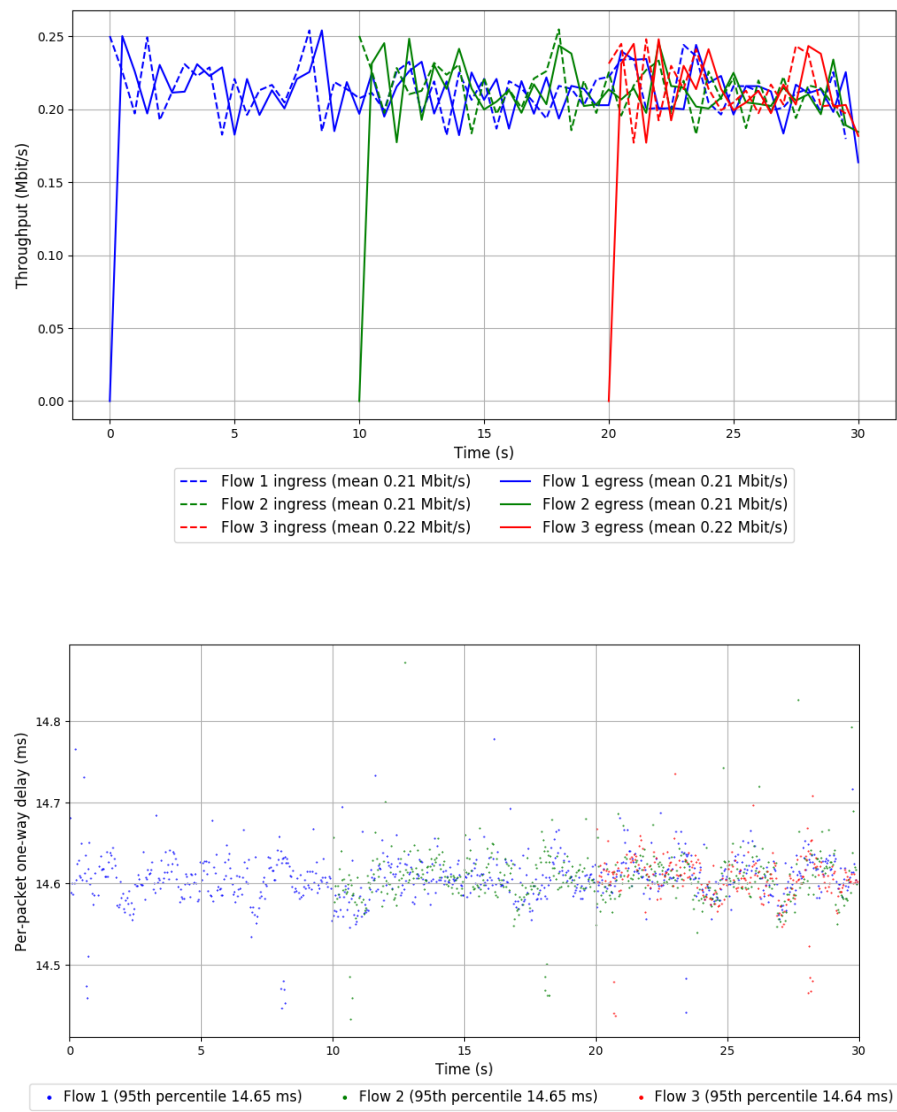
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 14.640 ms

Loss rate: 0.36%

Run 5: Report of SReAM — Data Link

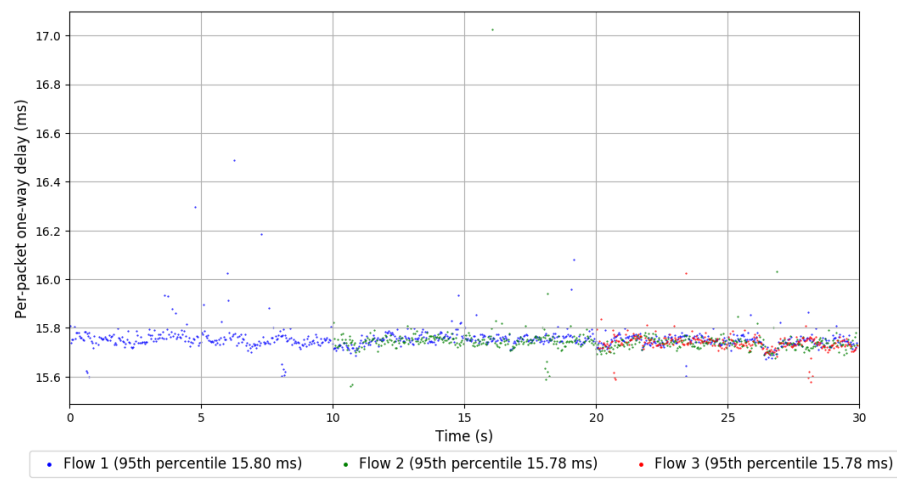
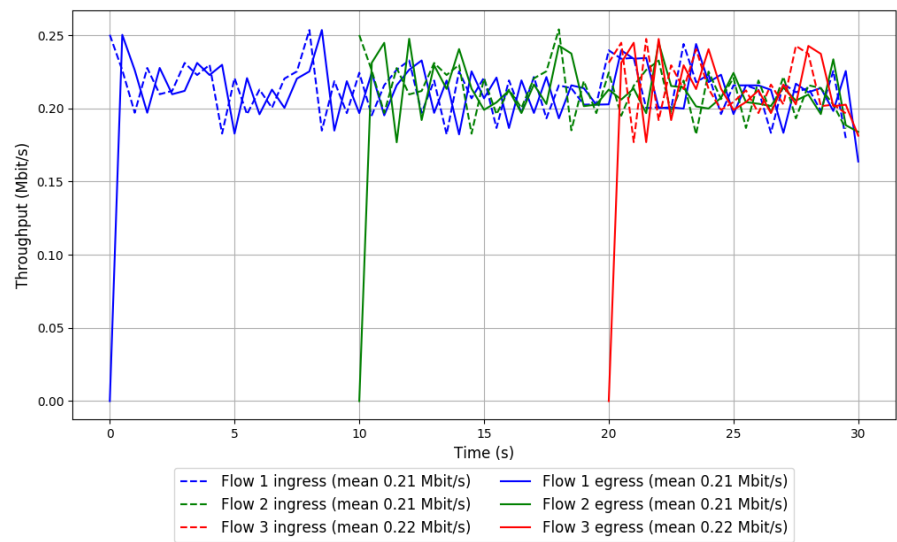


Run 6: Statistics of SReAM

Start at: 2018-07-18 11:08:46
End at: 2018-07-18 11:09:16
Local clock offset: 0.135 ms
Remote clock offset: -0.552 ms

Below is generated by plot.py at 2018-07-18 12:56:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 15.790 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.796 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.779 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 15.778 ms
Loss rate: 0.36%

Run 6: Report of SReAM — Data Link

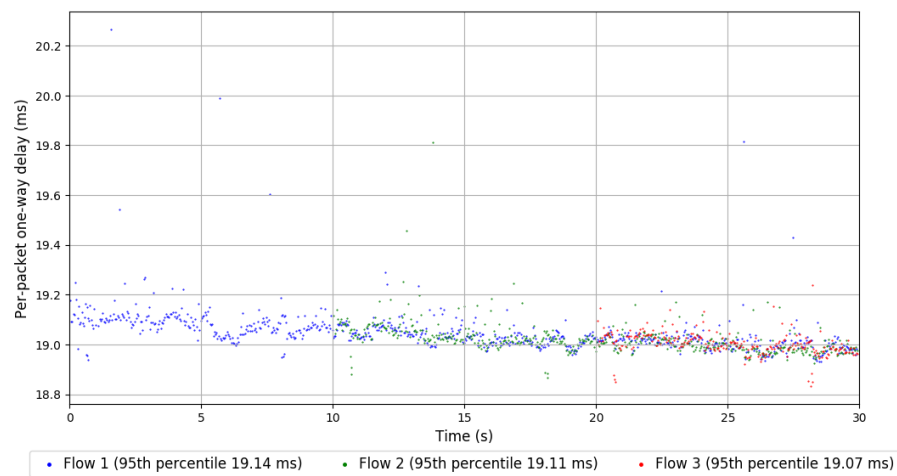
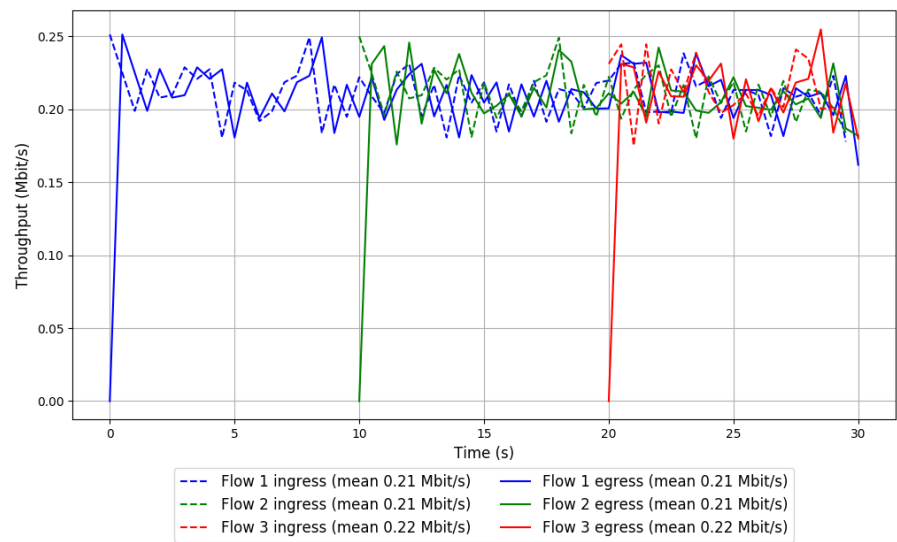


Run 7: Statistics of SReAM

Start at: 2018-07-18 11:29:22
End at: 2018-07-18 11:29:52
Local clock offset: 0.837 ms
Remote clock offset: -4.439 ms

Below is generated by plot.py at 2018-07-18 12:56:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 19.123 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 19.138 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 19.109 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.067 ms
Loss rate: 0.36%

Run 7: Report of SCReAM — Data Link

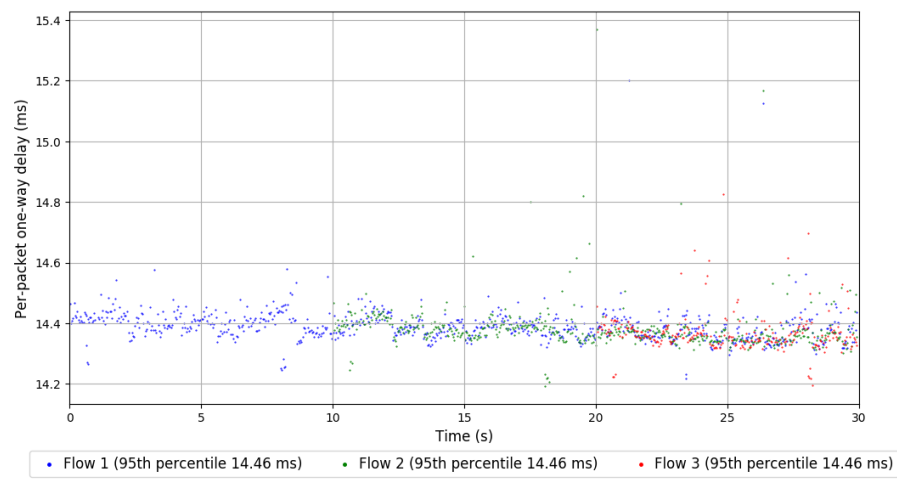
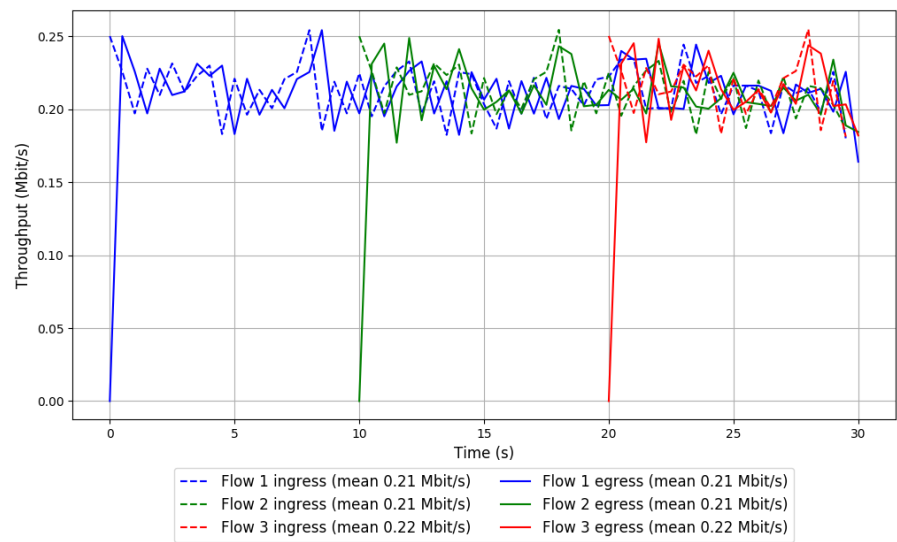


Run 8: Statistics of SReAM

Start at: 2018-07-18 11:49:47
End at: 2018-07-18 11:50:17
Local clock offset: -0.736 ms
Remote clock offset: -7.528 ms

Below is generated by plot.py at 2018-07-18 12:56:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 14.457 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.456 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.462 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 14.457 ms
Loss rate: 0.36%

Run 8: Report of SReAM — Data Link

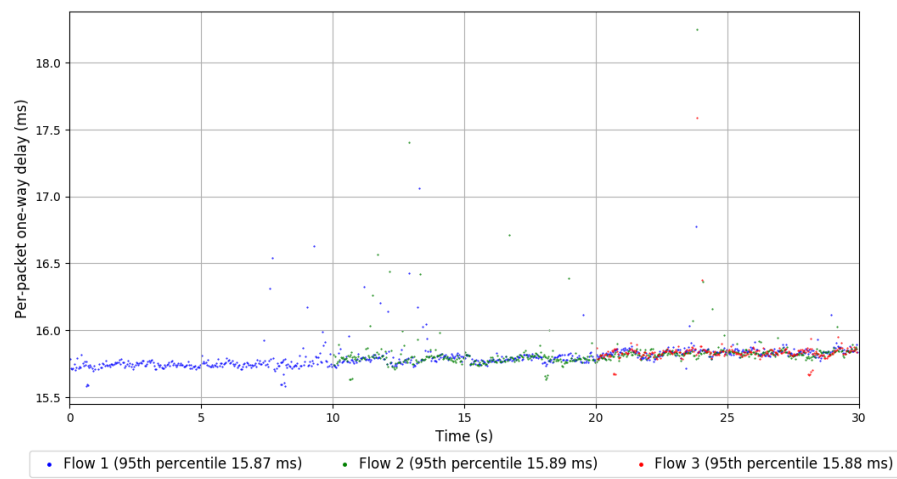
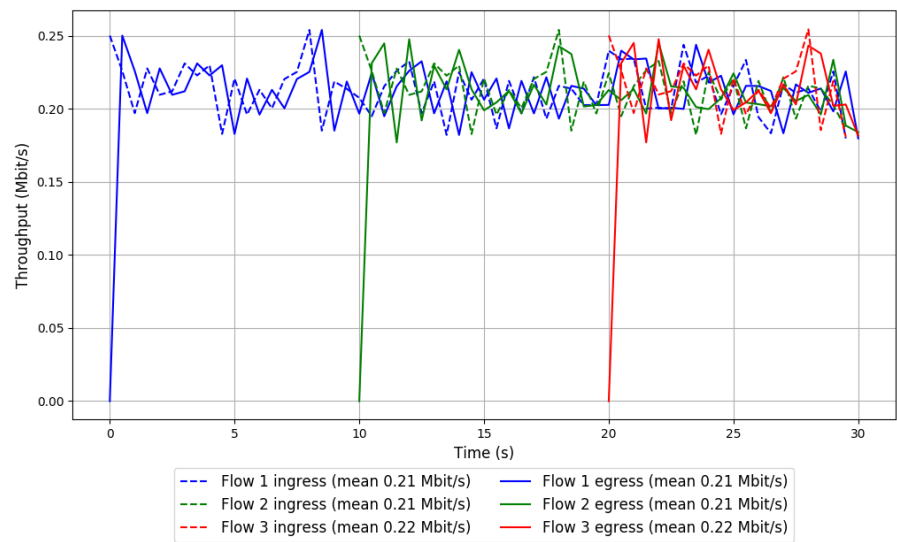


Run 9: Statistics of SReAM

Start at: 2018-07-18 12:10:04
End at: 2018-07-18 12:10:34
Local clock offset: -1.275 ms
Remote clock offset: -0.464 ms

Below is generated by plot.py at 2018-07-18 12:56:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 15.875 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.872 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.891 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 15.875 ms
Loss rate: 0.36%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-18 12:30:41

End at: 2018-07-18 12:31:11

Local clock offset: 0.756 ms

Remote clock offset: 1.086 ms

Below is generated by plot.py at 2018-07-18 12:56:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 16.511 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 16.533 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 16.412 ms

Loss rate: 0.19%

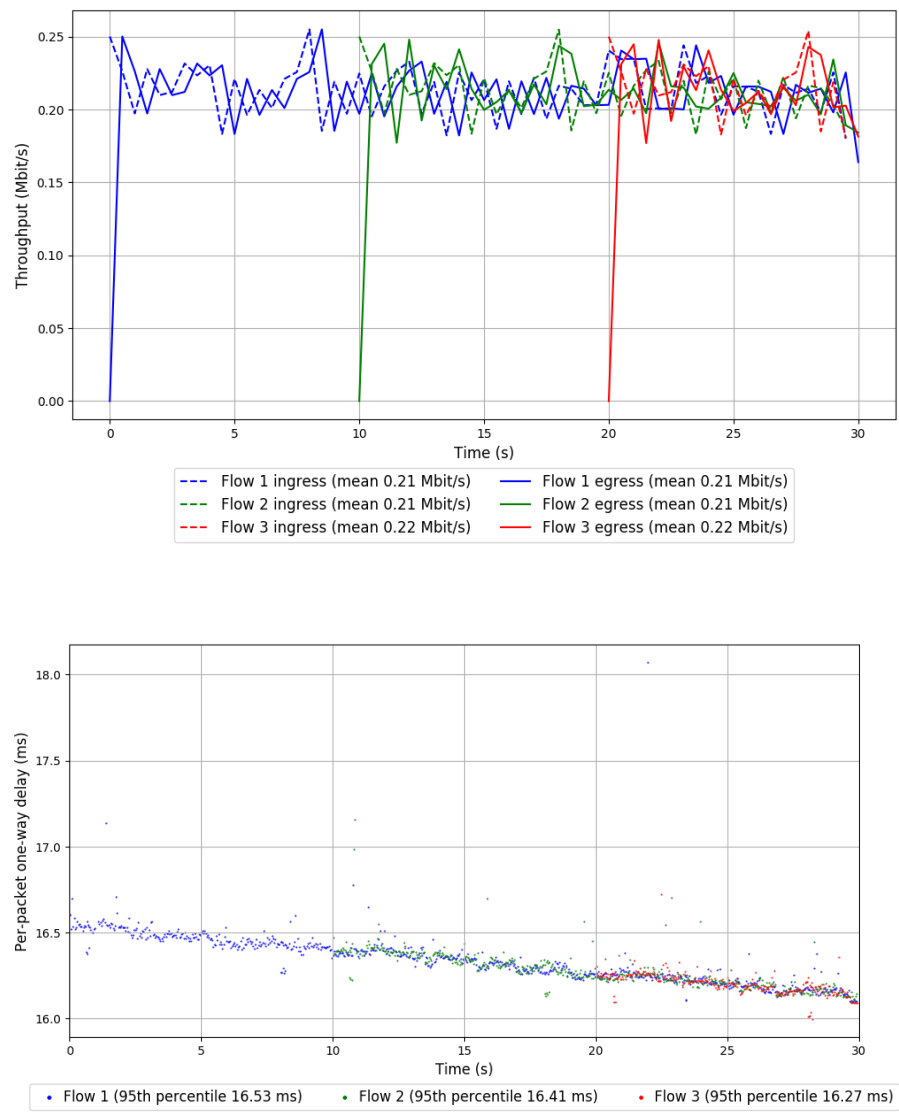
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 16.275 ms

Loss rate: 0.36%

Run 10: Report of SCReAM — Data Link

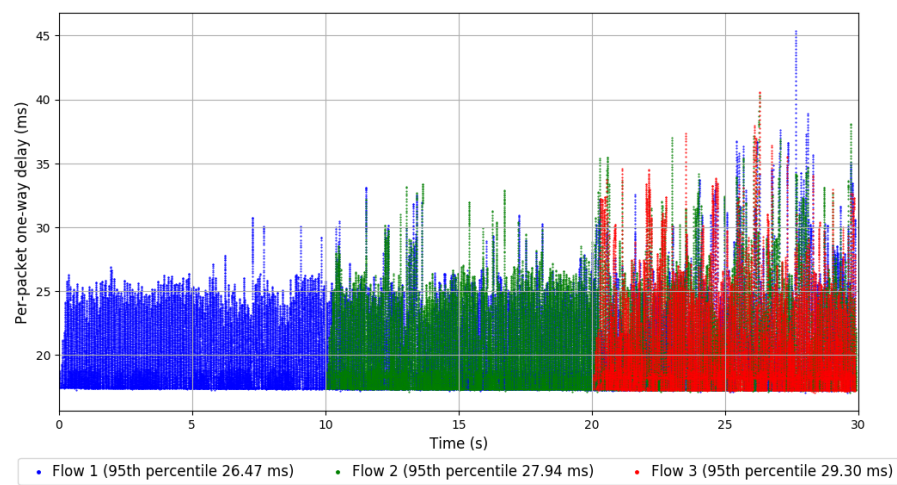
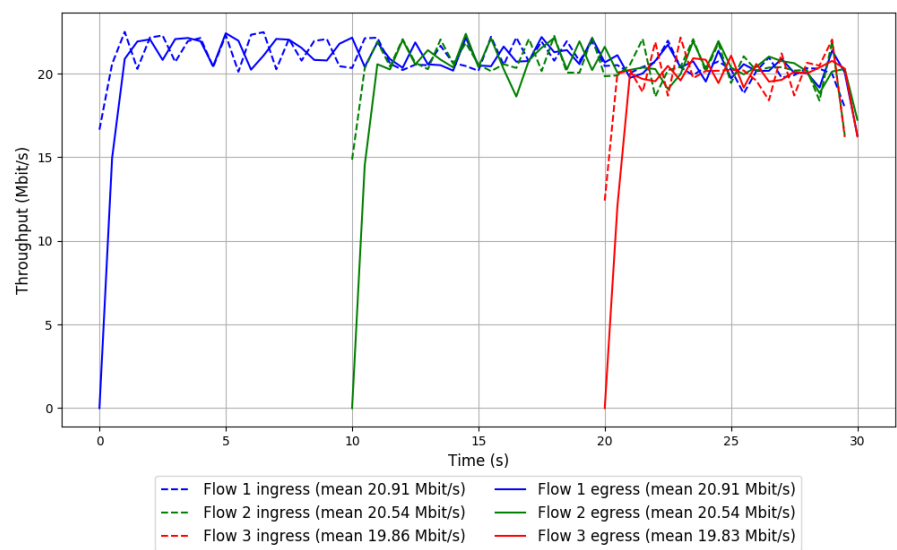


Run 1: Statistics of Sprout

Start at: 2018-07-18 09:07:09
End at: 2018-07-18 09:07:39
Local clock offset: 1.039 ms
Remote clock offset: -2.028 ms

Below is generated by plot.py at 2018-07-18 12:56:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.09 Mbit/s
95th percentile per-packet one-way delay: 27.575 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 20.91 Mbit/s
95th percentile per-packet one-way delay: 26.472 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 20.54 Mbit/s
95th percentile per-packet one-way delay: 27.940 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 19.83 Mbit/s
95th percentile per-packet one-way delay: 29.295 ms
Loss rate: 0.43%

Run 1: Report of Sprout — Data Link

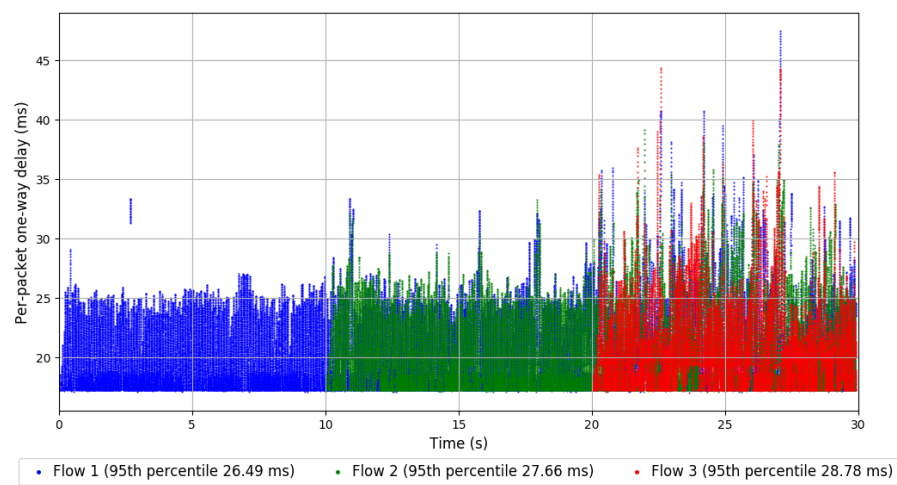
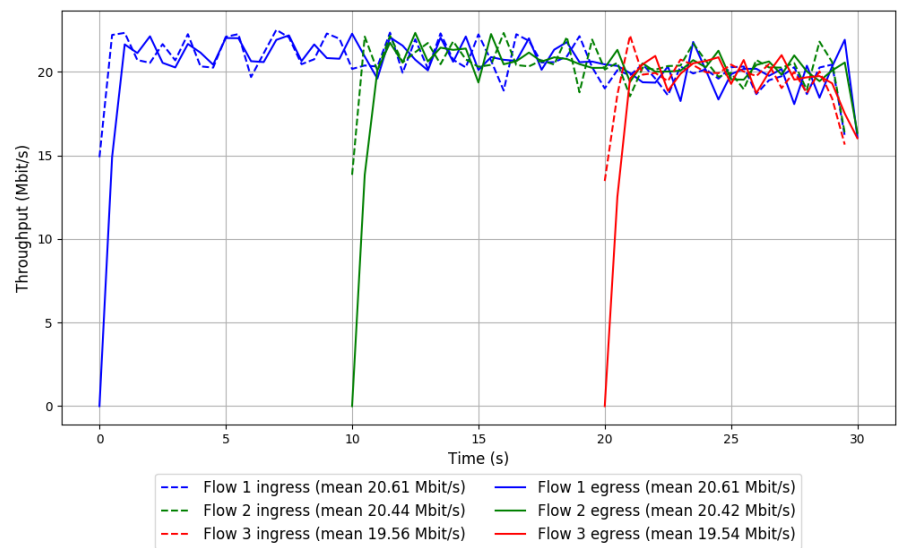


Run 2: Statistics of Sprout

Start at: 2018-07-18 09:27:53
End at: 2018-07-18 09:28:23
Local clock offset: 1.079 ms
Remote clock offset: -4.773 ms

Below is generated by plot.py at 2018-07-18 12:56:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.64 Mbit/s
95th percentile per-packet one-way delay: 27.318 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 20.61 Mbit/s
95th percentile per-packet one-way delay: 26.486 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 20.42 Mbit/s
95th percentile per-packet one-way delay: 27.657 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 19.54 Mbit/s
95th percentile per-packet one-way delay: 28.781 ms
Loss rate: 0.32%

Run 2: Report of Sprout — Data Link

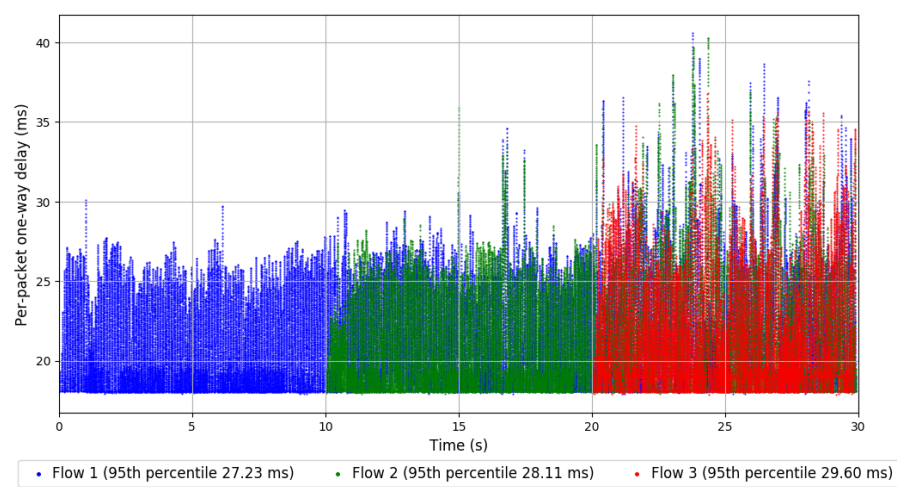
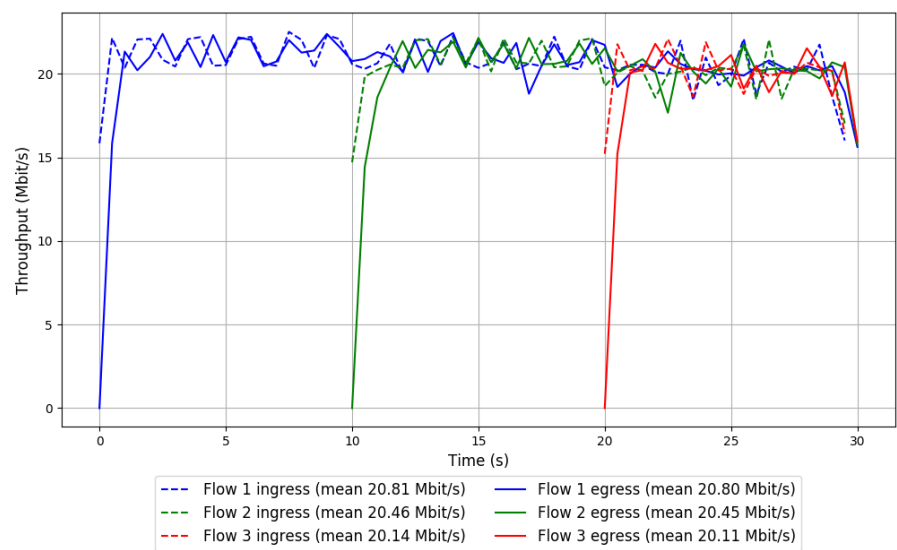


Run 3: Statistics of Sprout

Start at: 2018-07-18 09:56:22
End at: 2018-07-18 09:56:52
Local clock offset: 1.63 ms
Remote clock offset: -4.701 ms

```
# Below is generated by plot.py at 2018-07-18 12:56:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.03 Mbit/s
95th percentile per-packet one-way delay: 28.052 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 20.80 Mbit/s
95th percentile per-packet one-way delay: 27.227 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 20.45 Mbit/s
95th percentile per-packet one-way delay: 28.109 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 20.11 Mbit/s
95th percentile per-packet one-way delay: 29.599 ms
Loss rate: 0.50%
```

Run 3: Report of Sprout — Data Link

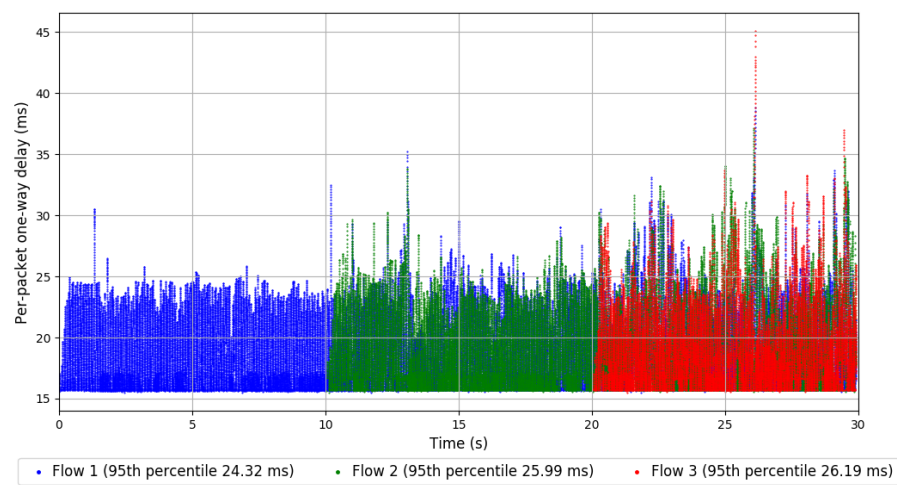
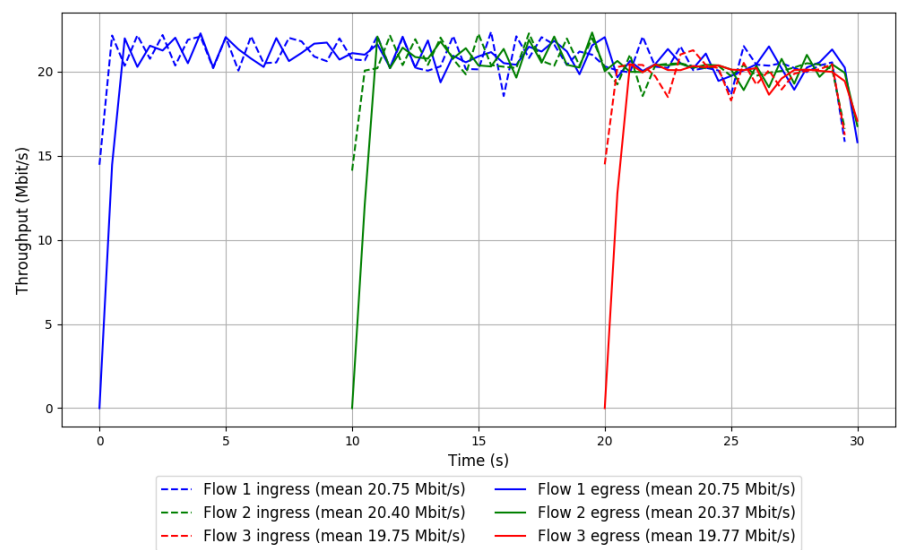


Run 4: Statistics of Sprout

Start at: 2018-07-18 10:17:01
End at: 2018-07-18 10:17:31
Local clock offset: 0.334 ms
Remote clock offset: -2.723 ms

```
# Below is generated by plot.py at 2018-07-18 12:56:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.80 Mbit/s
95th percentile per-packet one-way delay: 25.187 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 20.75 Mbit/s
95th percentile per-packet one-way delay: 24.321 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 20.37 Mbit/s
95th percentile per-packet one-way delay: 25.993 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 19.77 Mbit/s
95th percentile per-packet one-way delay: 26.189 ms
Loss rate: 0.08%
```

Run 4: Report of Sprout — Data Link

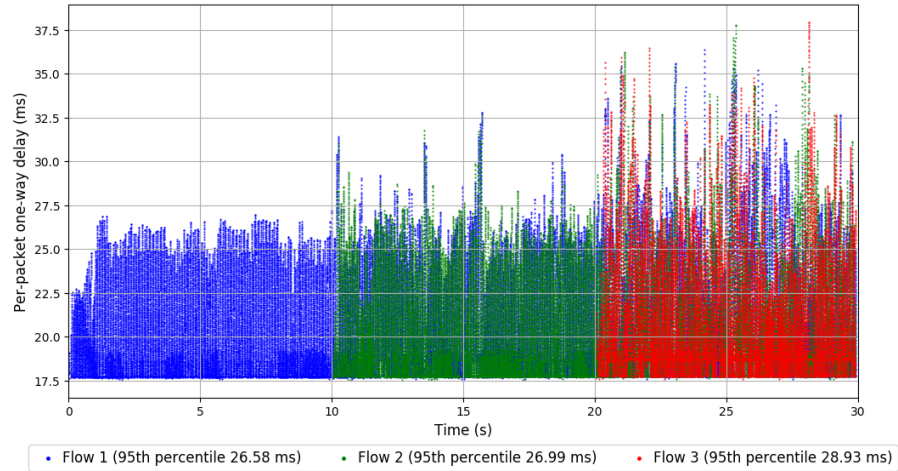
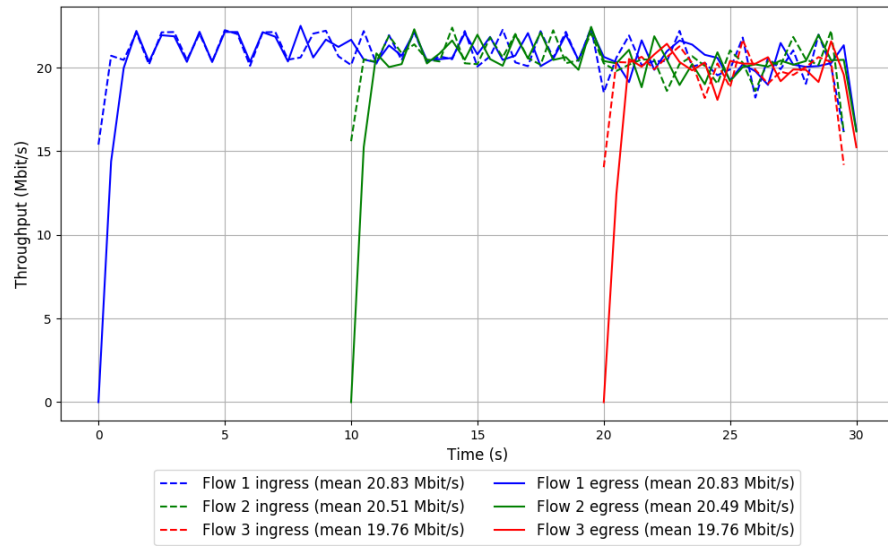


Run 5: Statistics of Sprout

Start at: 2018-07-18 10:37:33
End at: 2018-07-18 10:38:03
Local clock offset: 0.858 ms
Remote clock offset: -1.282 ms

Below is generated by plot.py at 2018-07-18 12:56:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.97 Mbit/s
95th percentile per-packet one-way delay: 27.113 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 20.83 Mbit/s
95th percentile per-packet one-way delay: 26.577 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 20.49 Mbit/s
95th percentile per-packet one-way delay: 26.988 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 19.76 Mbit/s
95th percentile per-packet one-way delay: 28.929 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

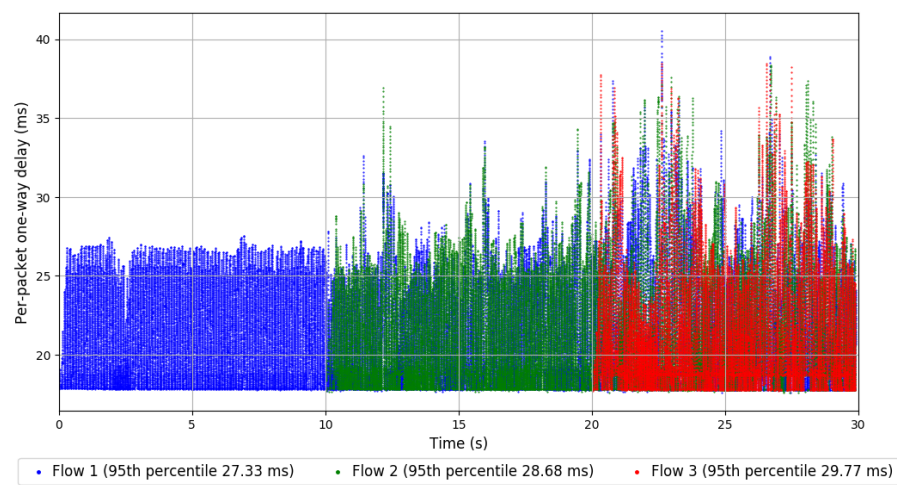
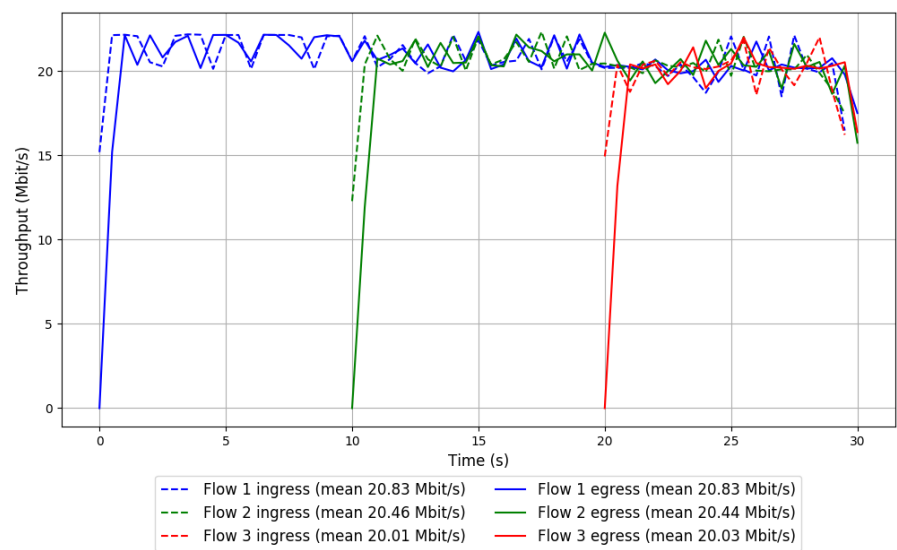


Run 6: Statistics of Sprout

Start at: 2018-07-18 10:57:49
End at: 2018-07-18 10:58:19
Local clock offset: 1.535 ms
Remote clock offset: -0.354 ms

Below is generated by plot.py at 2018-07-18 12:56:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.03 Mbit/s
95th percentile per-packet one-way delay: 28.245 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 20.83 Mbit/s
95th percentile per-packet one-way delay: 27.328 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 20.44 Mbit/s
95th percentile per-packet one-way delay: 28.678 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 20.03 Mbit/s
95th percentile per-packet one-way delay: 29.774 ms
Loss rate: 0.05%

Run 6: Report of Sprout — Data Link

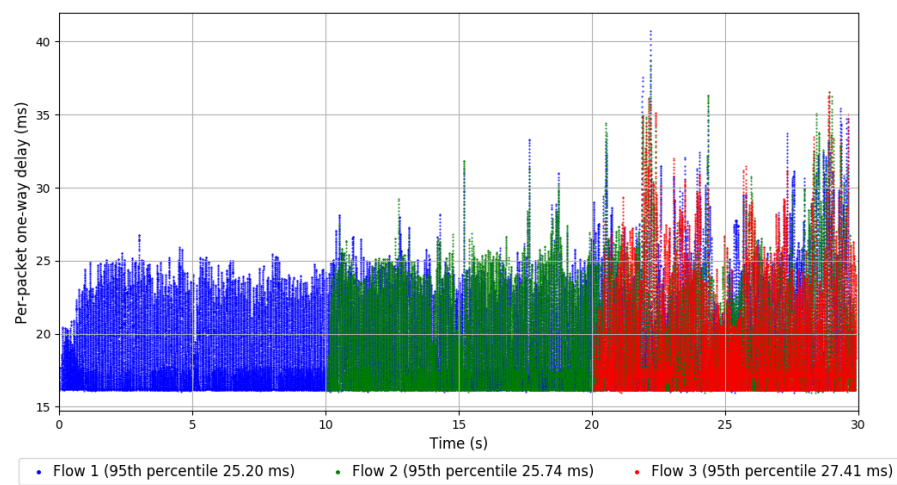
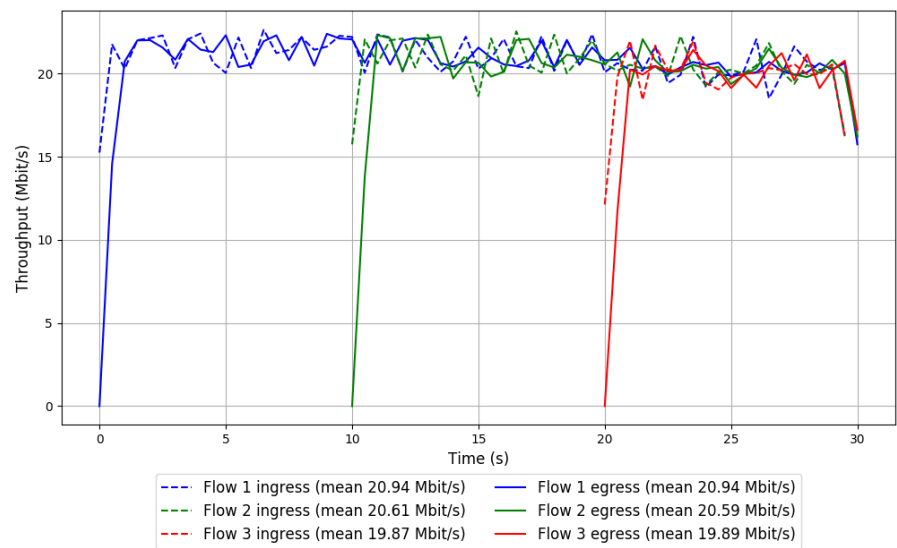


Run 7: Statistics of Sprout

Start at: 2018-07-18 11:18:24
End at: 2018-07-18 11:18:54
Local clock offset: 0.912 ms
Remote clock offset: -0.306 ms

```
# Below is generated by plot.py at 2018-07-18 12:56:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.17 Mbit/s
95th percentile per-packet one-way delay: 25.839 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 20.94 Mbit/s
95th percentile per-packet one-way delay: 25.199 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 20.59 Mbit/s
95th percentile per-packet one-way delay: 25.741 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 19.89 Mbit/s
95th percentile per-packet one-way delay: 27.412 ms
Loss rate: 0.08%
```

Run 7: Report of Sprout — Data Link

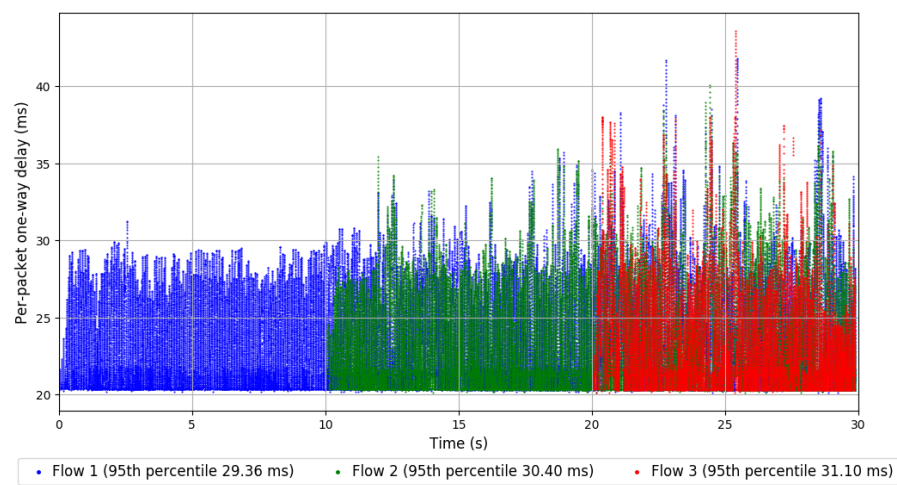
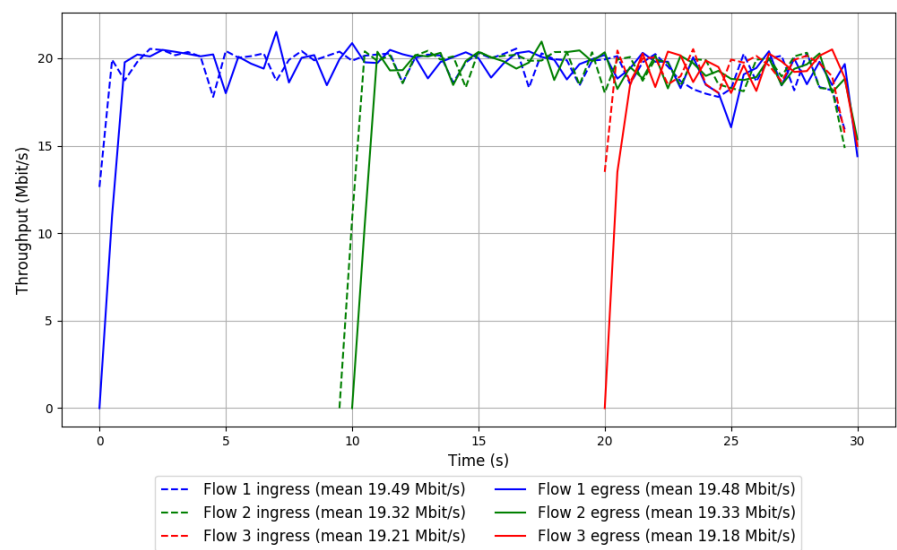


Run 8: Statistics of Sprout

Start at: 2018-07-18 11:38:50
End at: 2018-07-18 11:39:20
Local clock offset: 1.345 ms
Remote clock offset: -7.137 ms

Below is generated by plot.py at 2018-07-18 12:56:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 38.67 Mbit/s
95th percentile per-packet one-way delay: 29.974 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 19.48 Mbit/s
95th percentile per-packet one-way delay: 29.362 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 19.33 Mbit/s
95th percentile per-packet one-way delay: 30.403 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 19.18 Mbit/s
95th percentile per-packet one-way delay: 31.096 ms
Loss rate: 0.45%

Run 8: Report of Sprout — Data Link

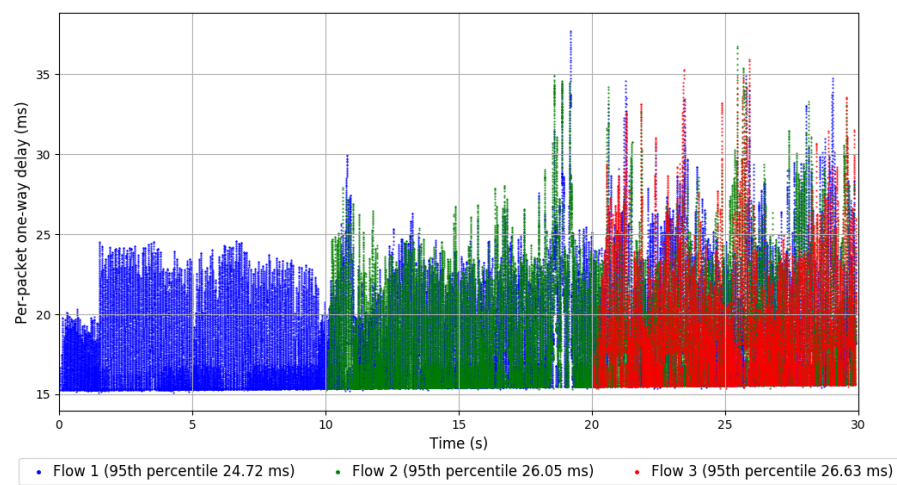
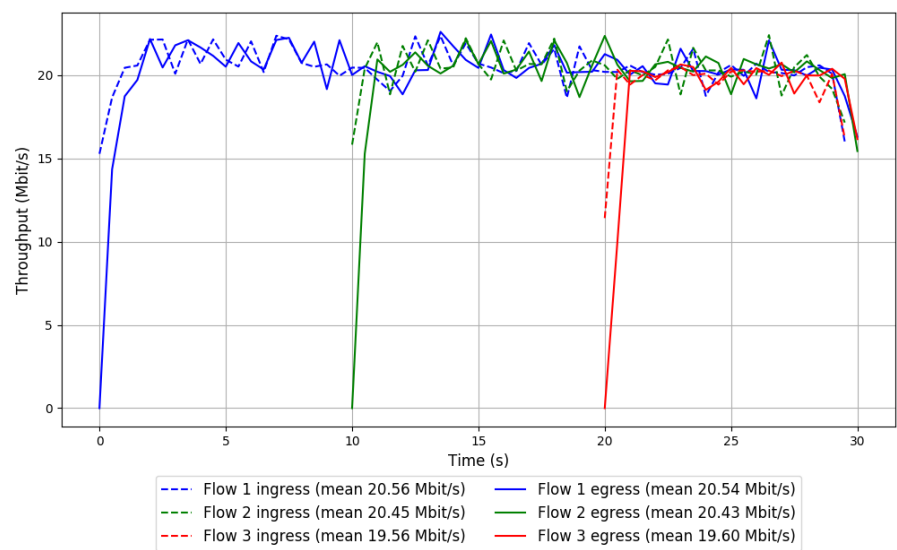


Run 9: Statistics of Sprout

Start at: 2018-07-18 11:59:11
End at: 2018-07-18 11:59:41
Local clock offset: -1.867 ms
Remote clock offset: -6.081 ms

Below is generated by plot.py at 2018-07-18 12:56:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.59 Mbit/s
95th percentile per-packet one-way delay: 25.529 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 20.54 Mbit/s
95th percentile per-packet one-way delay: 24.716 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 20.43 Mbit/s
95th percentile per-packet one-way delay: 26.055 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 19.60 Mbit/s
95th percentile per-packet one-way delay: 26.630 ms
Loss rate: 0.09%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-18 12:19:37

End at: 2018-07-18 12:20:07

Local clock offset: -2.669 ms

Remote clock offset: 1.305 ms

Below is generated by plot.py at 2018-07-18 12:56:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.41 Mbit/s

95th percentile per-packet one-way delay: 24.746 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 20.51 Mbit/s

95th percentile per-packet one-way delay: 23.275 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 19.99 Mbit/s

95th percentile per-packet one-way delay: 24.975 ms

Loss rate: 0.28%

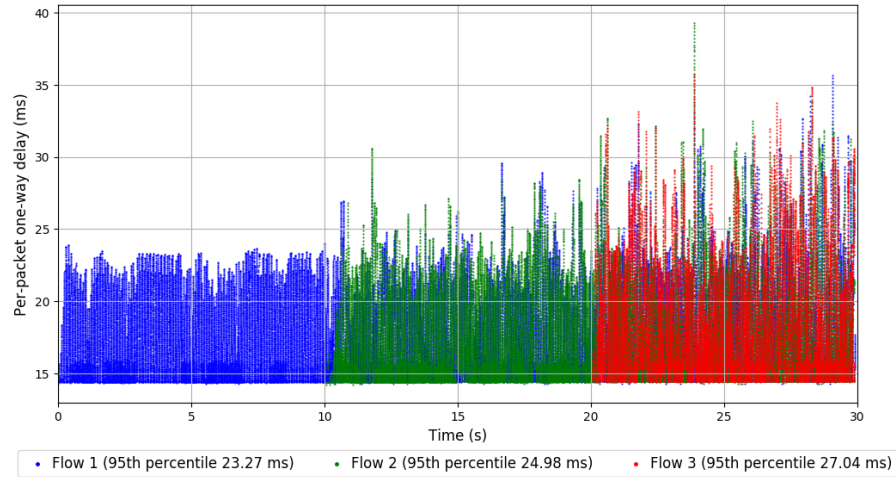
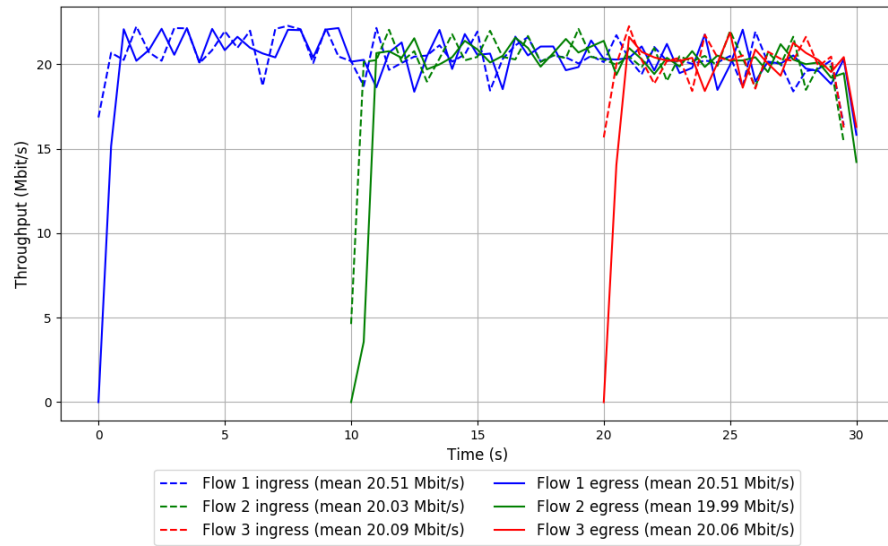
-- Flow 3:

Average throughput: 20.06 Mbit/s

95th percentile per-packet one-way delay: 27.036 ms

Loss rate: 0.43%

Run 10: Report of Sprout — Data Link

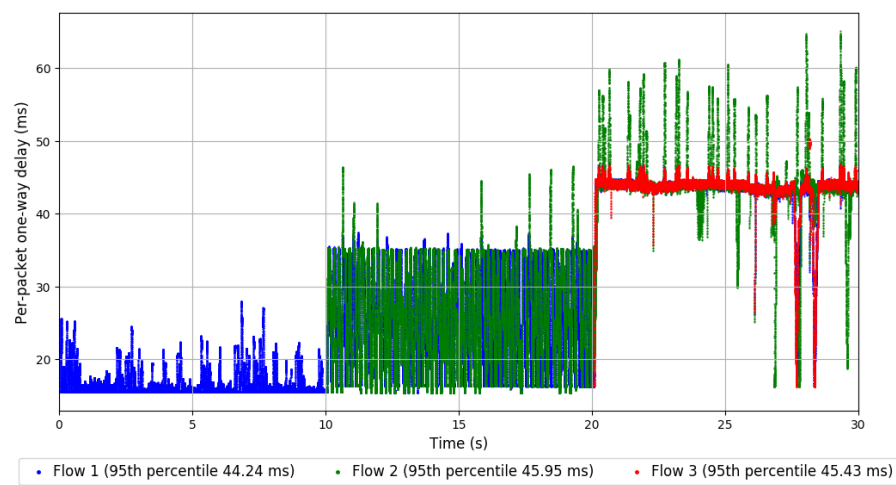
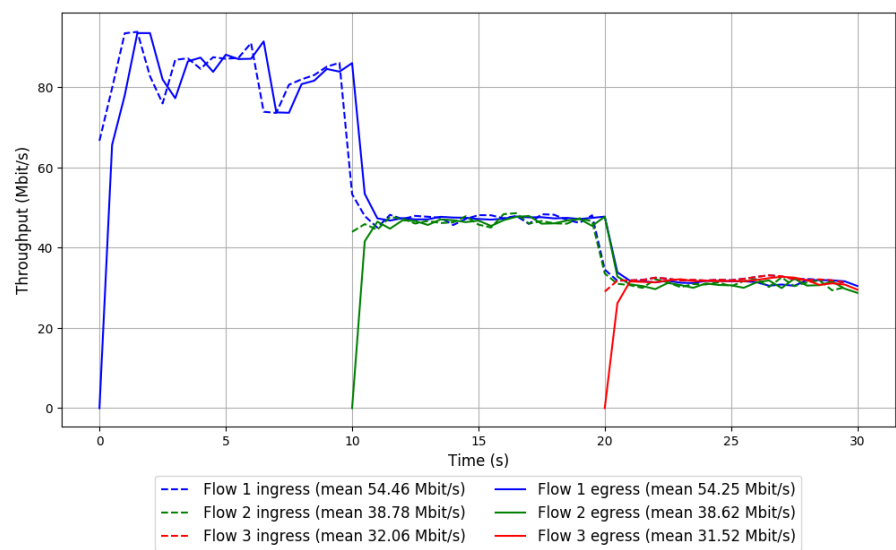


Run 1: Statistics of TaoVA-100x

Start at: 2018-07-18 09:08:19
End at: 2018-07-18 09:08:49
Local clock offset: -3.88 ms
Remote clock offset: -5.554 ms

Below is generated by plot.py at 2018-07-18 12:58:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.43 Mbit/s
95th percentile per-packet one-way delay: 44.539 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 54.25 Mbit/s
95th percentile per-packet one-way delay: 44.236 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 38.62 Mbit/s
95th percentile per-packet one-way delay: 45.953 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 31.52 Mbit/s
95th percentile per-packet one-way delay: 45.430 ms
Loss rate: 1.95%

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

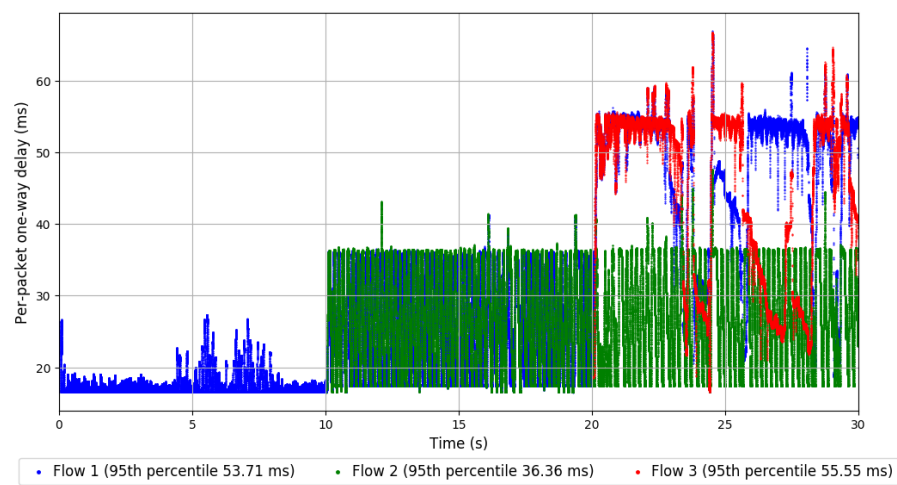
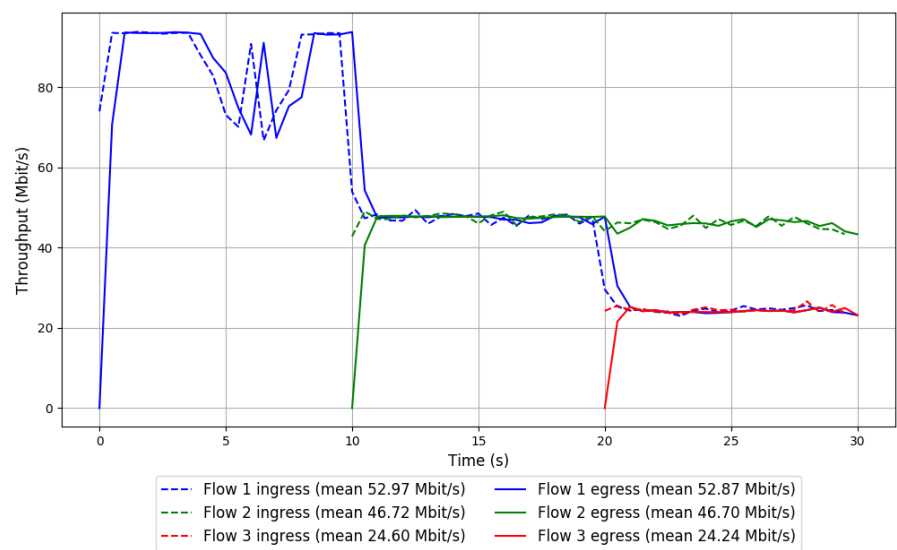


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-18 09:29:02
End at: 2018-07-18 09:29:32
Local clock offset: 1.323 ms
Remote clock offset: -3.896 ms

Below is generated by plot.py at 2018-07-18 12:58:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.02 Mbit/s
95th percentile per-packet one-way delay: 53.914 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 52.87 Mbit/s
95th percentile per-packet one-way delay: 53.710 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 46.70 Mbit/s
95th percentile per-packet one-way delay: 36.361 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 24.24 Mbit/s
95th percentile per-packet one-way delay: 55.553 ms
Loss rate: 1.74%

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

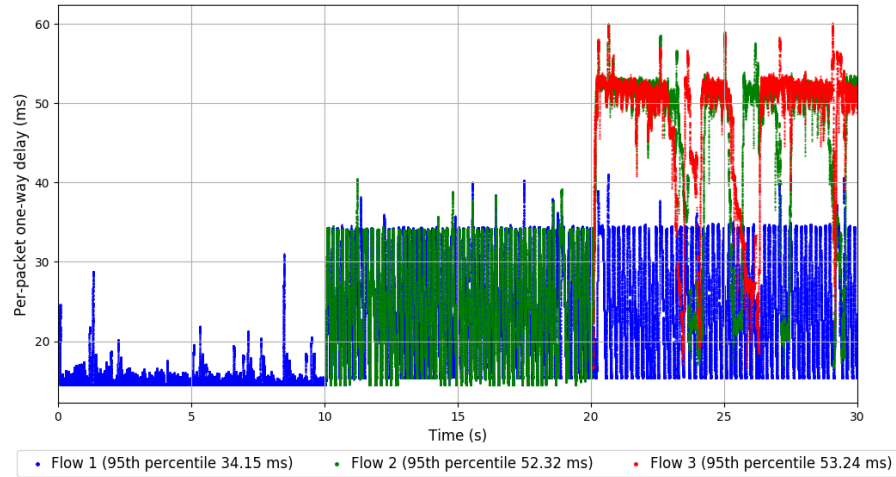
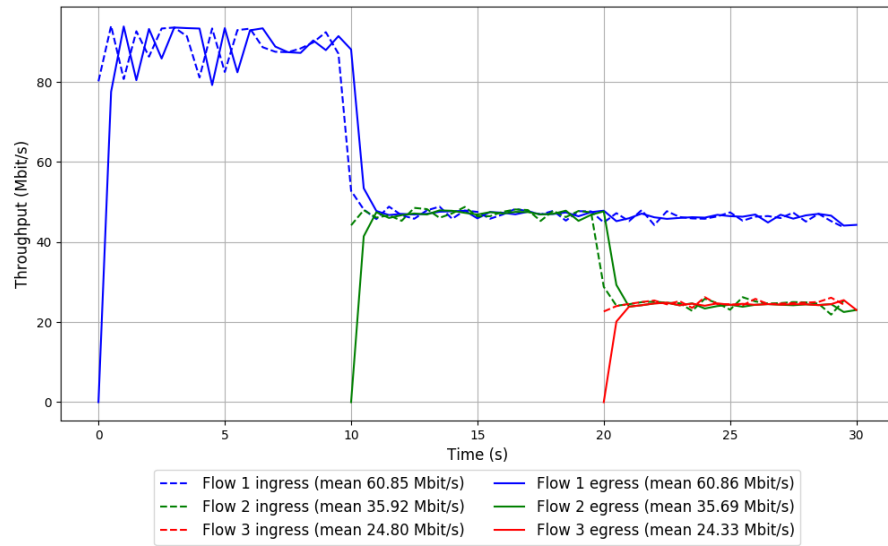


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-18 09:57:31
End at: 2018-07-18 09:58:01
Local clock offset: -1.794 ms
Remote clock offset: -4.613 ms

Below is generated by plot.py at 2018-07-18 12:58:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.70 Mbit/s
95th percentile per-packet one-way delay: 51.944 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 60.86 Mbit/s
95th percentile per-packet one-way delay: 34.151 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 35.69 Mbit/s
95th percentile per-packet one-way delay: 52.320 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 24.33 Mbit/s
95th percentile per-packet one-way delay: 53.236 ms
Loss rate: 2.18%

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

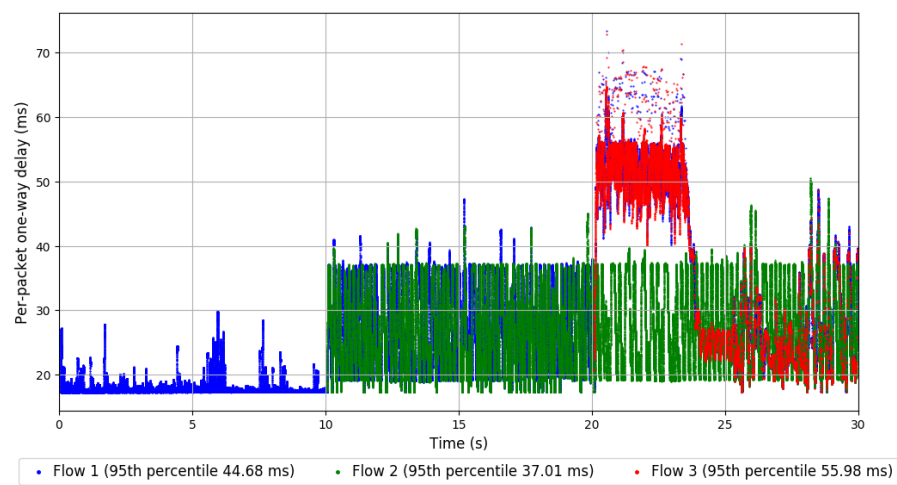
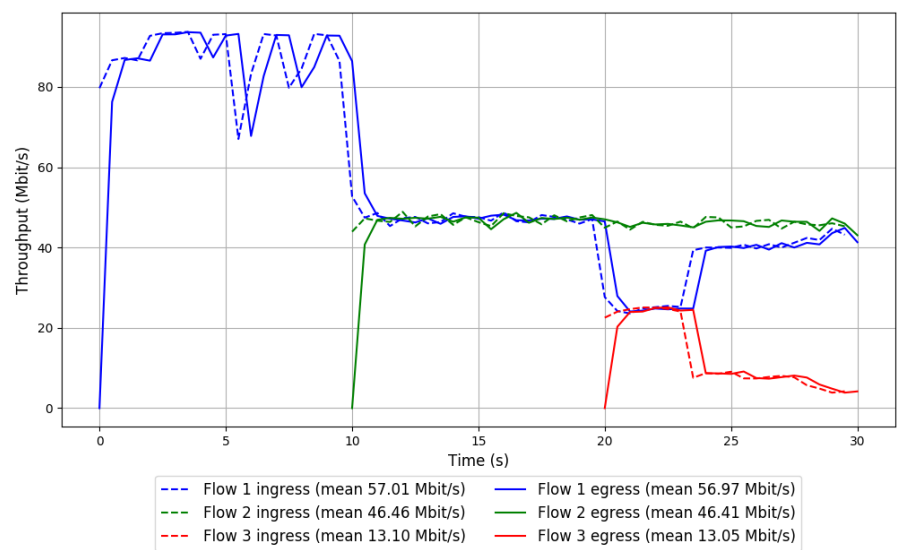


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-18 10:18:09
End at: 2018-07-18 10:18:39
Local clock offset: 1.089 ms
Remote clock offset: -3.531 ms

Below is generated by plot.py at 2018-07-18 12:58:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.20 Mbit/s
95th percentile per-packet one-way delay: 48.722 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.97 Mbit/s
95th percentile per-packet one-way delay: 44.680 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 46.41 Mbit/s
95th percentile per-packet one-way delay: 37.005 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 13.05 Mbit/s
95th percentile per-packet one-way delay: 55.982 ms
Loss rate: 0.66%

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

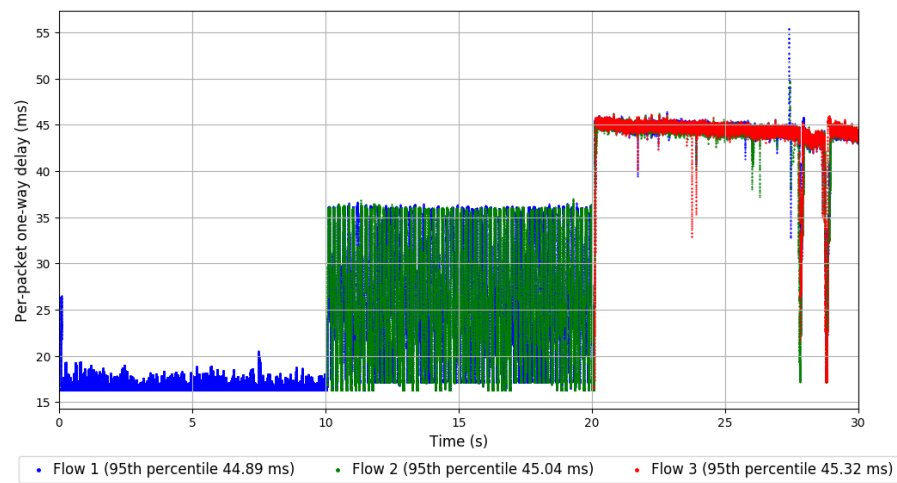
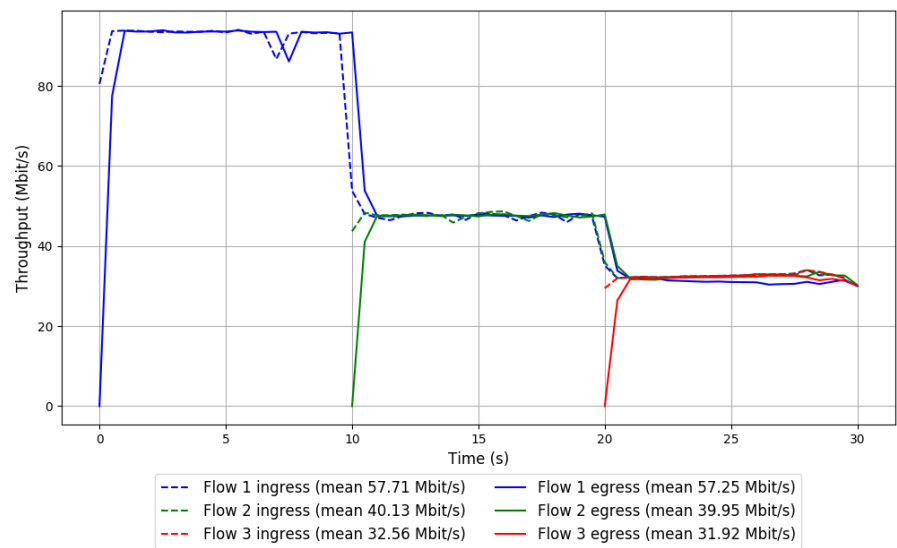


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-18 10:38:42
End at: 2018-07-18 10:39:12
Local clock offset: 0.475 ms
Remote clock offset: -0.175 ms

Below is generated by plot.py at 2018-07-18 12:58:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.45 Mbit/s
95th percentile per-packet one-way delay: 45.063 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 57.25 Mbit/s
95th percentile per-packet one-way delay: 44.894 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 39.95 Mbit/s
95th percentile per-packet one-way delay: 45.041 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 31.92 Mbit/s
95th percentile per-packet one-way delay: 45.318 ms
Loss rate: 2.37%

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

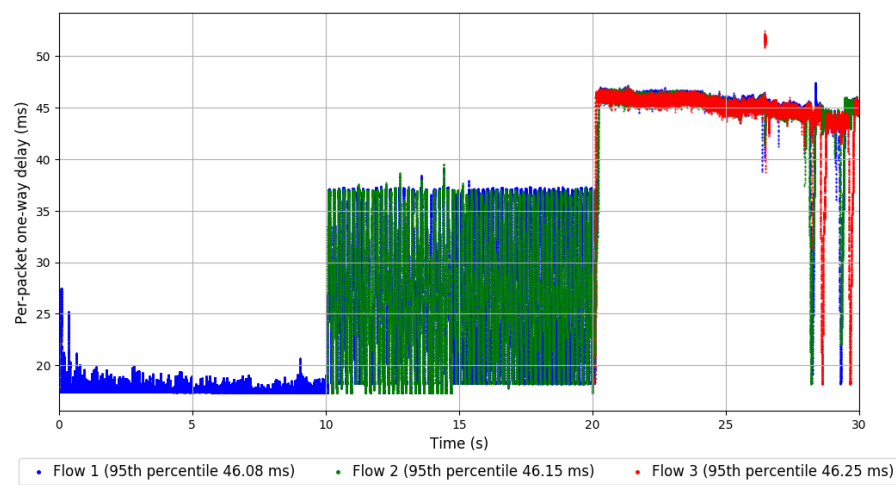
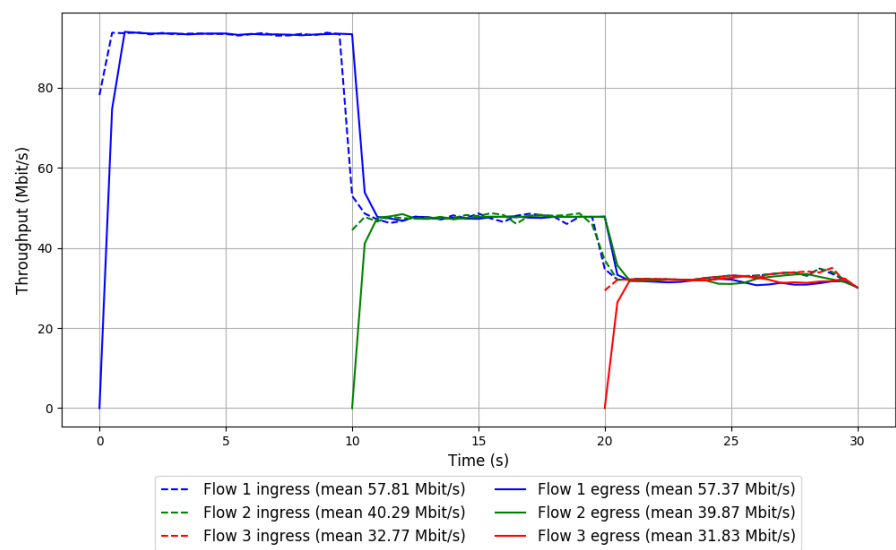


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-18 10:58:58
End at: 2018-07-18 10:59:28
Local clock offset: -0.393 ms
Remote clock offset: -2.029 ms

Below is generated by plot.py at 2018-07-18 12:58:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.49 Mbit/s
95th percentile per-packet one-way delay: 46.145 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 57.37 Mbit/s
95th percentile per-packet one-way delay: 46.076 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 39.87 Mbit/s
95th percentile per-packet one-way delay: 46.149 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 31.83 Mbit/s
95th percentile per-packet one-way delay: 46.248 ms
Loss rate: 3.24%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-18 11:19:32

End at: 2018-07-18 11:20:02

Local clock offset: 2.869 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-07-18 12:58:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.48 Mbit/s

95th percentile per-packet one-way delay: 46.602 ms

Loss rate: 1.34%

-- Flow 1:

Average throughput: 57.48 Mbit/s

95th percentile per-packet one-way delay: 46.270 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 39.63 Mbit/s

95th percentile per-packet one-way delay: 46.693 ms

Loss rate: 1.79%

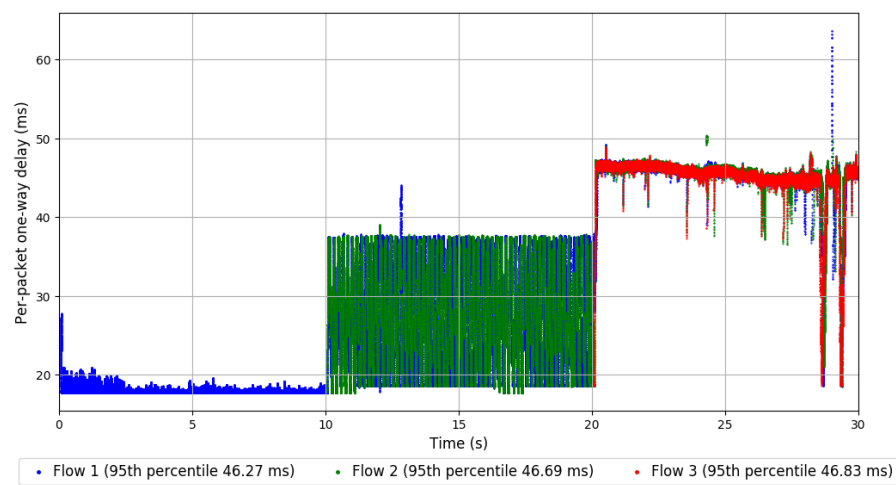
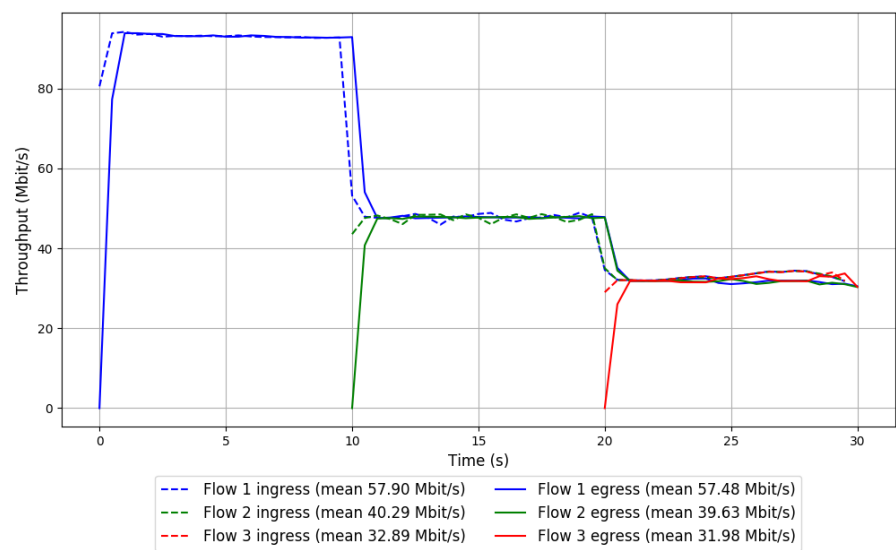
-- Flow 3:

Average throughput: 31.98 Mbit/s

95th percentile per-packet one-way delay: 46.830 ms

Loss rate: 3.03%

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

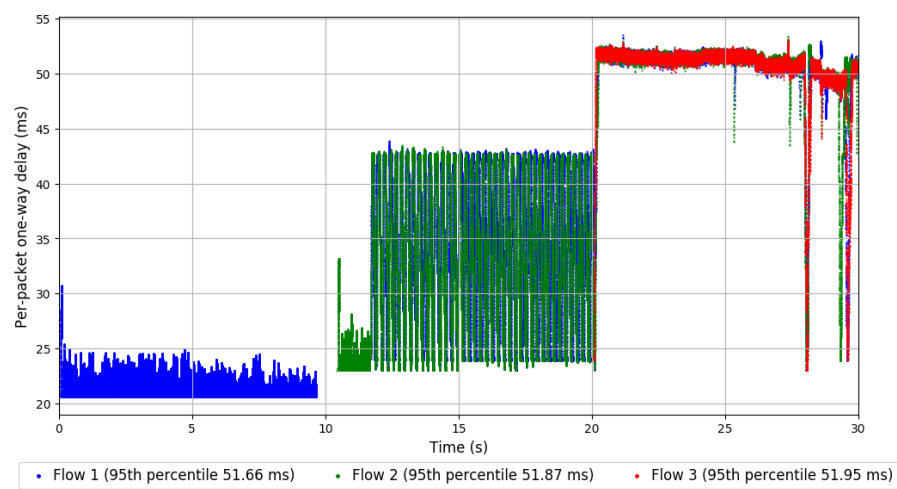
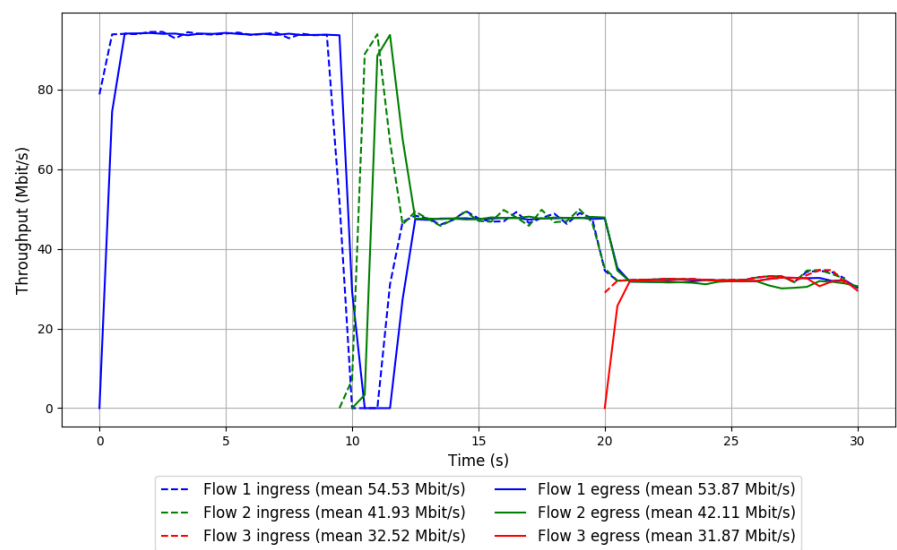


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-18 11:40:00
End at: 2018-07-18 11:40:30
Local clock offset: 1.782 ms
Remote clock offset: -7.153 ms

Below is generated by plot.py at 2018-07-18 12:58:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.92 Mbit/s
95th percentile per-packet one-way delay: 51.805 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 53.87 Mbit/s
95th percentile per-packet one-way delay: 51.659 ms
Loss rate: 1.32%
-- Flow 2:
Average throughput: 42.11 Mbit/s
95th percentile per-packet one-way delay: 51.870 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 31.87 Mbit/s
95th percentile per-packet one-way delay: 51.947 ms
Loss rate: 2.41%

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

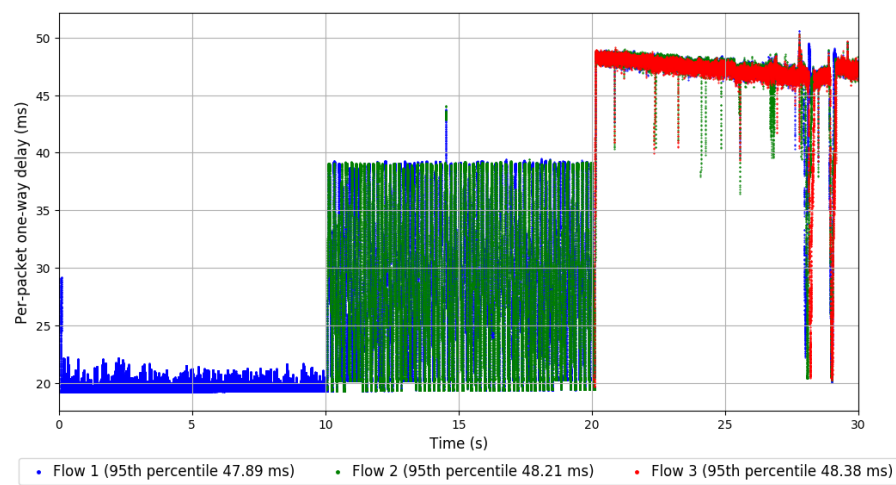
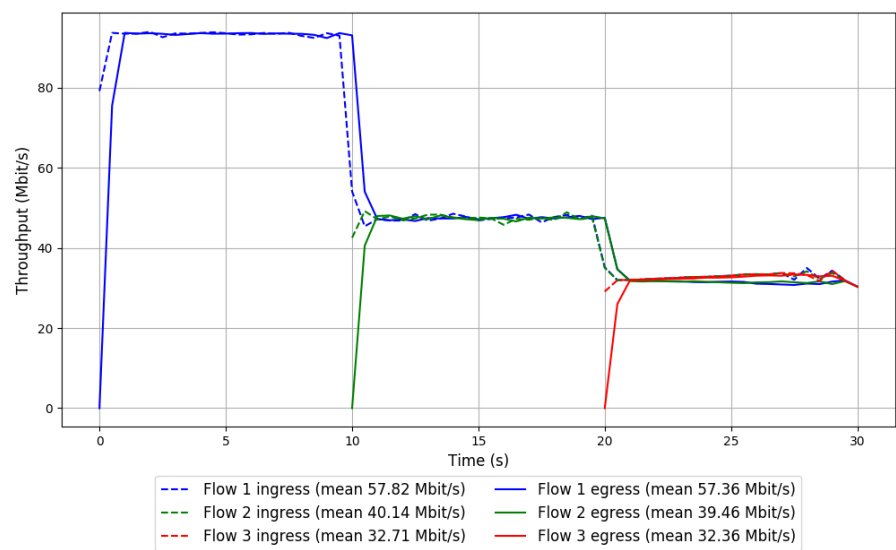


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-18 12:00:19
End at: 2018-07-18 12:00:49
Local clock offset: 1.978 ms
Remote clock offset: -5.442 ms

Below is generated by plot.py at 2018-07-18 13:00:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.39 Mbit/s
95th percentile per-packet one-way delay: 48.137 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 57.36 Mbit/s
95th percentile per-packet one-way delay: 47.886 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 39.46 Mbit/s
95th percentile per-packet one-way delay: 48.213 ms
Loss rate: 1.87%
-- Flow 3:
Average throughput: 32.36 Mbit/s
95th percentile per-packet one-way delay: 48.385 ms
Loss rate: 1.45%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-18 12:20:46

End at: 2018-07-18 12:21:16

Local clock offset: -2.816 ms

Remote clock offset: 1.709 ms

Below is generated by plot.py at 2018-07-18 13:00:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.63 Mbit/s

95th percentile per-packet one-way delay: 42.986 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 57.67 Mbit/s

95th percentile per-packet one-way delay: 42.819 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 39.71 Mbit/s

95th percentile per-packet one-way delay: 43.018 ms

Loss rate: 0.84%

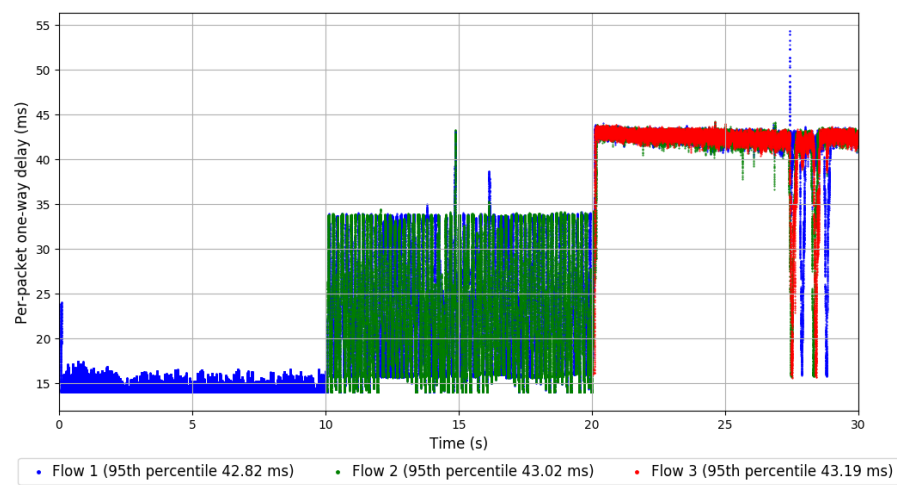
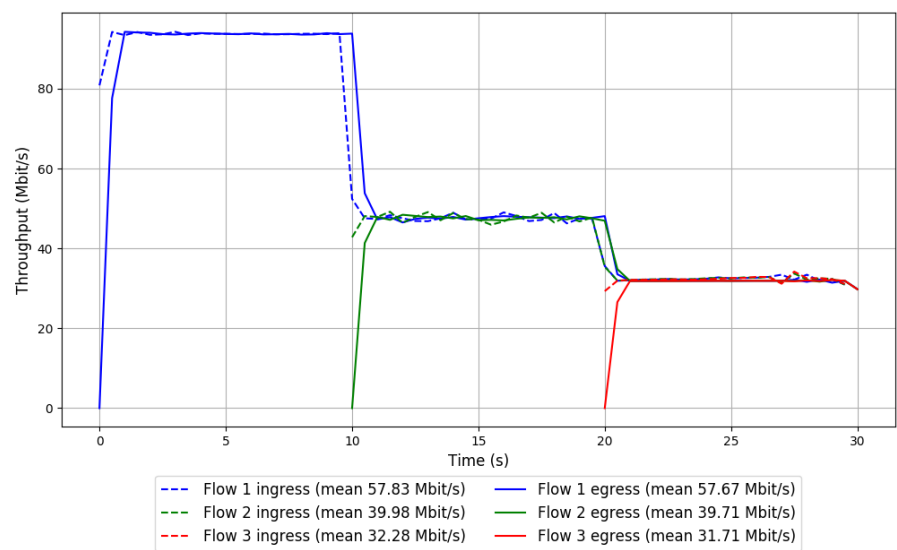
-- Flow 3:

Average throughput: 31.71 Mbit/s

95th percentile per-packet one-way delay: 43.192 ms

Loss rate: 2.09%

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

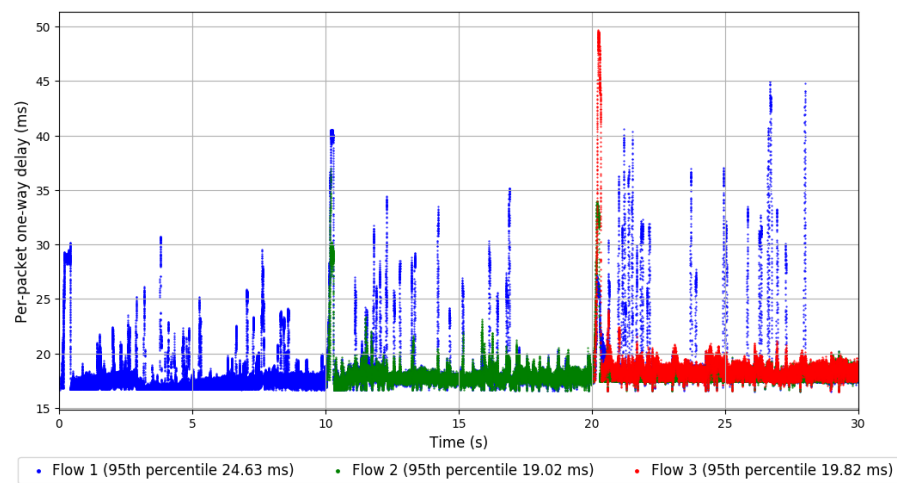
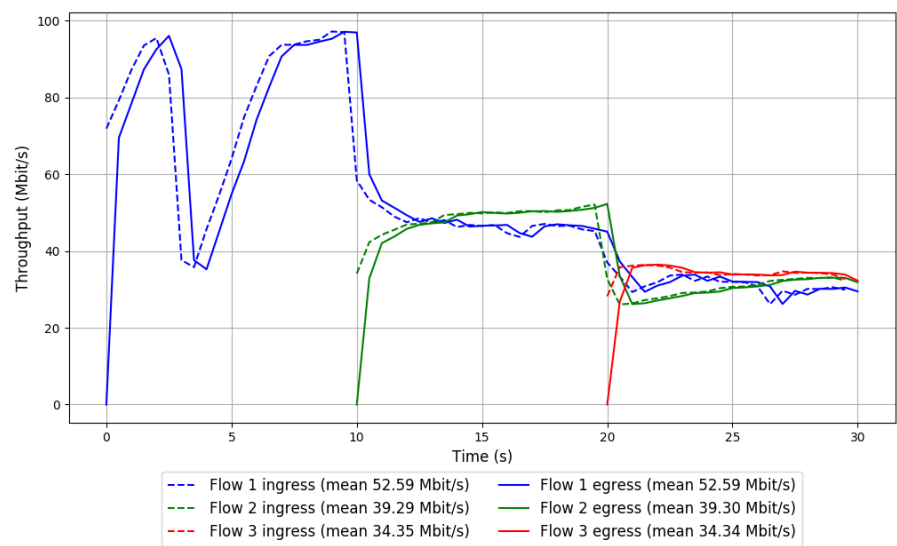


Run 1: Statistics of TCP Vegas

Start at: 2018-07-18 09:04:42
End at: 2018-07-18 09:05:12
Local clock offset: 0.838 ms
Remote clock offset: -0.364 ms

Below is generated by plot.py at 2018-07-18 13:00:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.15 Mbit/s
95th percentile per-packet one-way delay: 21.965 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 52.59 Mbit/s
95th percentile per-packet one-way delay: 24.630 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 39.30 Mbit/s
95th percentile per-packet one-way delay: 19.019 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 34.34 Mbit/s
95th percentile per-packet one-way delay: 19.816 ms
Loss rate: 0.27%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-18 09:25:29

End at: 2018-07-18 09:25:59

Local clock offset: 2.082 ms

Remote clock offset: -5.1 ms

Below is generated by plot.py at 2018-07-18 13:00:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.57 Mbit/s

95th percentile per-packet one-way delay: 23.273 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 53.77 Mbit/s

95th percentile per-packet one-way delay: 23.383 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 40.70 Mbit/s

95th percentile per-packet one-way delay: 23.545 ms

Loss rate: 0.10%

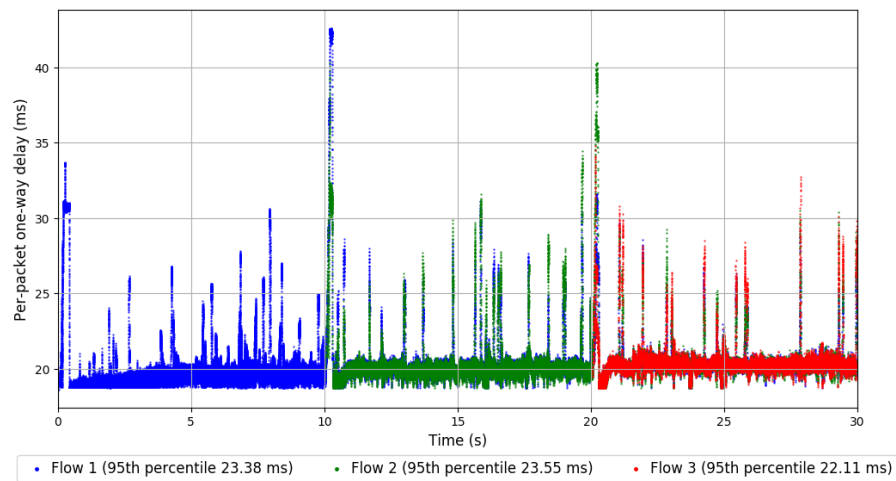
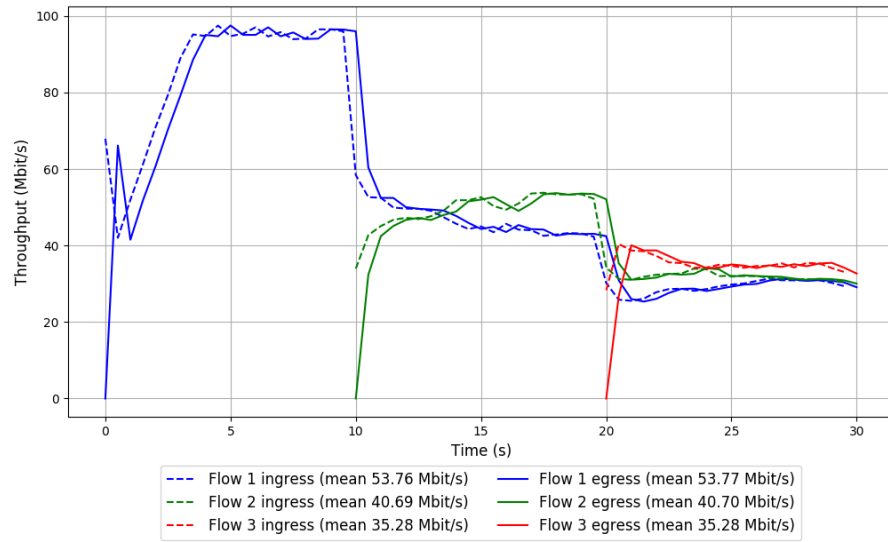
-- Flow 3:

Average throughput: 35.28 Mbit/s

95th percentile per-packet one-way delay: 22.109 ms

Loss rate: 0.25%

Run 2: Report of TCP Vegas — Data Link

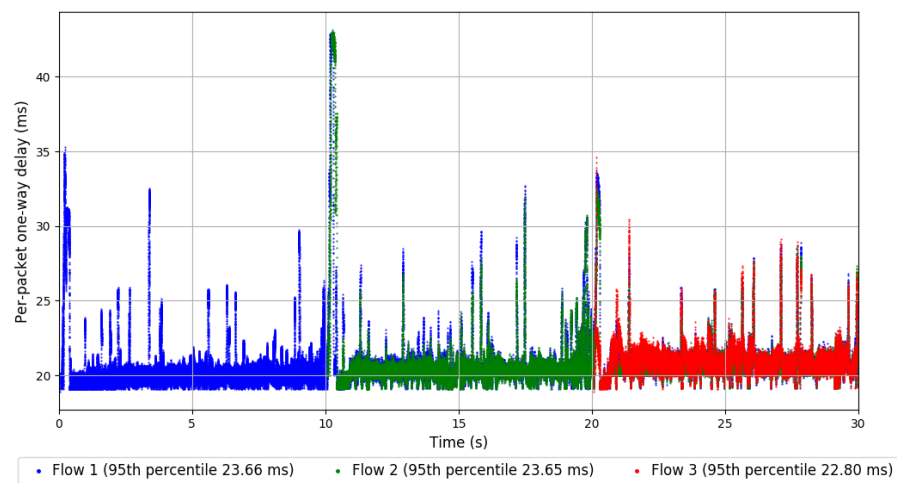
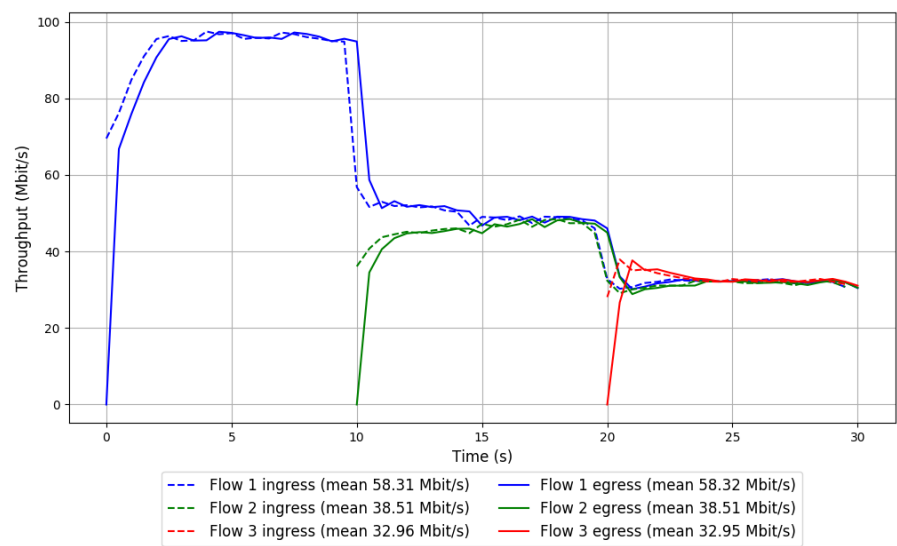


Run 3: Statistics of TCP Vegas

Start at: 2018-07-18 09:53:57
End at: 2018-07-18 09:54:27
Local clock offset: 2.266 ms
Remote clock offset: -5.143 ms

Below is generated by plot.py at 2018-07-18 13:00:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.90 Mbit/s
95th percentile per-packet one-way delay: 23.503 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 58.32 Mbit/s
95th percentile per-packet one-way delay: 23.656 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 38.51 Mbit/s
95th percentile per-packet one-way delay: 23.653 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 32.95 Mbit/s
95th percentile per-packet one-way delay: 22.797 ms
Loss rate: 0.27%

Run 3: Report of TCP Vegas — Data Link

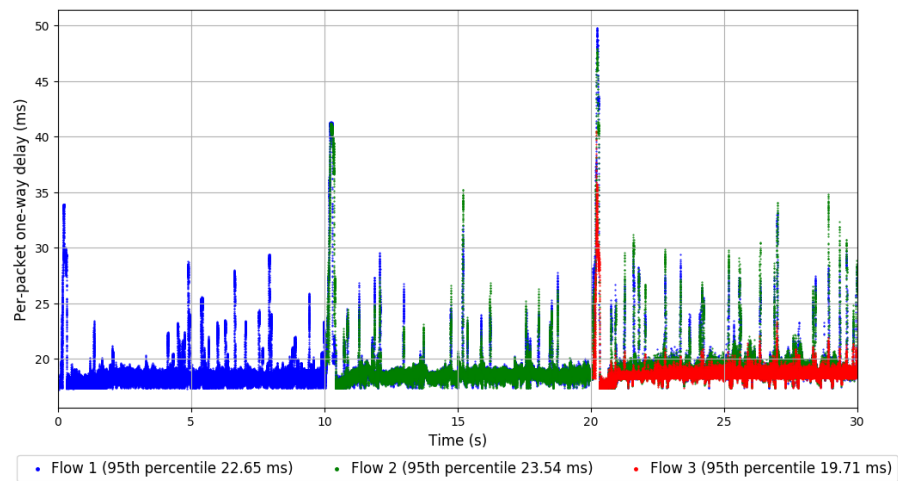
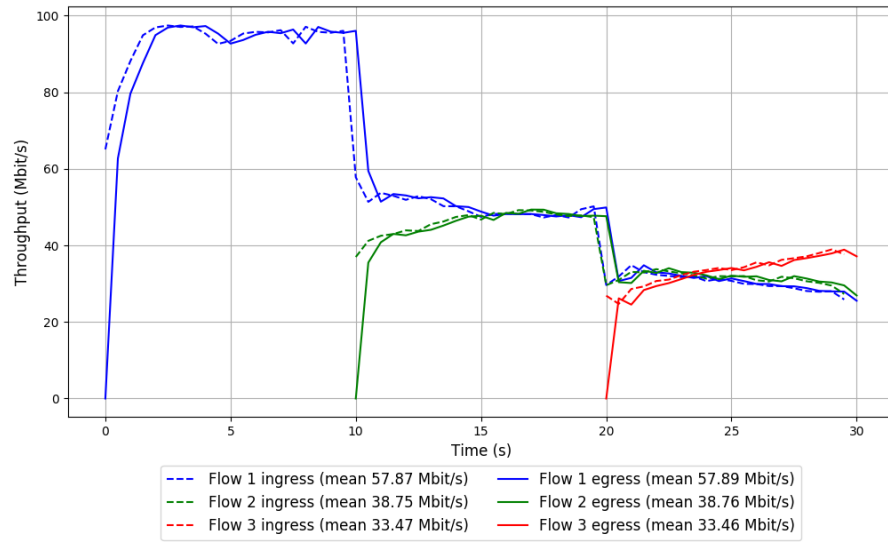


Run 4: Statistics of TCP Vegas

Start at: 2018-07-18 10:14:36
End at: 2018-07-18 10:15:06
Local clock offset: 1.695 ms
Remote clock offset: -3.316 ms

Below is generated by plot.py at 2018-07-18 13:00:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.79 Mbit/s
95th percentile per-packet one-way delay: 22.621 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 57.89 Mbit/s
95th percentile per-packet one-way delay: 22.654 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 38.76 Mbit/s
95th percentile per-packet one-way delay: 23.537 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 33.46 Mbit/s
95th percentile per-packet one-way delay: 19.713 ms
Loss rate: 0.32%

Run 4: Report of TCP Vegas — Data Link

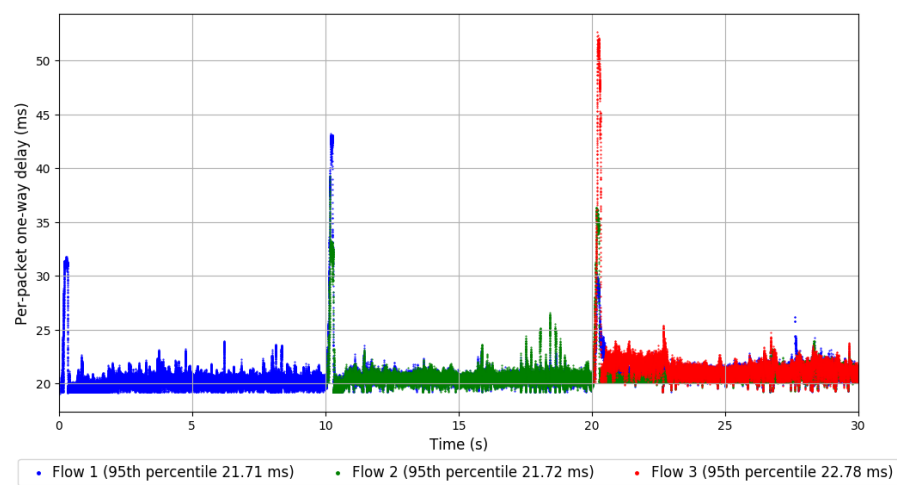
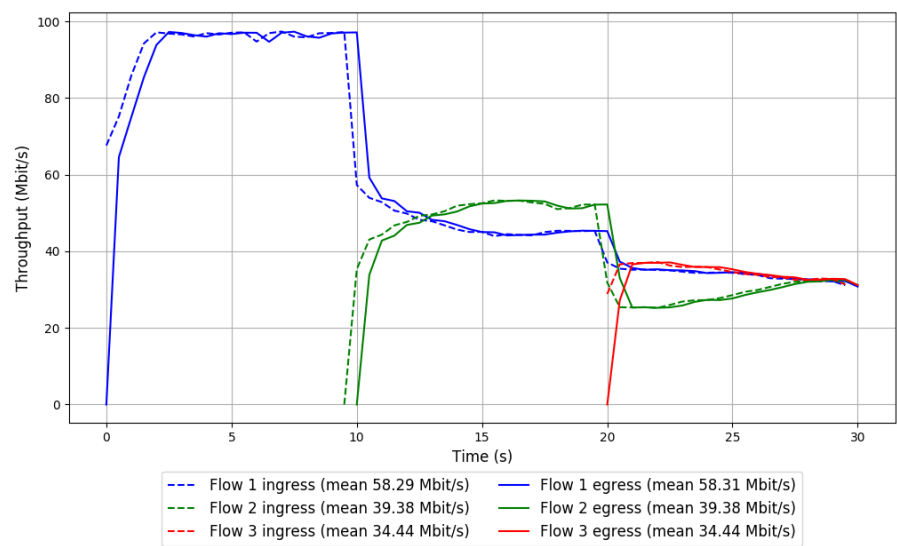


Run 5: Statistics of TCP Vegas

Start at: 2018-07-18 10:35:11
End at: 2018-07-18 10:35:41
Local clock offset: 0.672 ms
Remote clock offset: -3.299 ms

Below is generated by plot.py at 2018-07-18 13:00:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 22.098 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 58.31 Mbit/s
95th percentile per-packet one-way delay: 21.706 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.38 Mbit/s
95th percentile per-packet one-way delay: 21.722 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 34.44 Mbit/s
95th percentile per-packet one-way delay: 22.776 ms
Loss rate: 0.24%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-18 10:55:28

End at: 2018-07-18 10:55:58

Local clock offset: -3.208 ms

Remote clock offset: 0.546 ms

Below is generated by plot.py at 2018-07-18 13:00:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.11 Mbit/s

95th percentile per-packet one-way delay: 14.947 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 58.50 Mbit/s

95th percentile per-packet one-way delay: 14.765 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 39.62 Mbit/s

95th percentile per-packet one-way delay: 15.017 ms

Loss rate: 0.13%

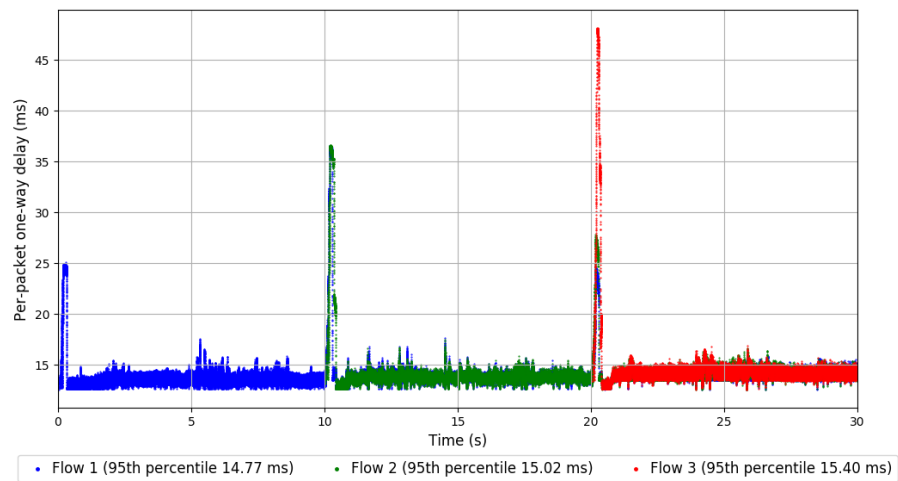
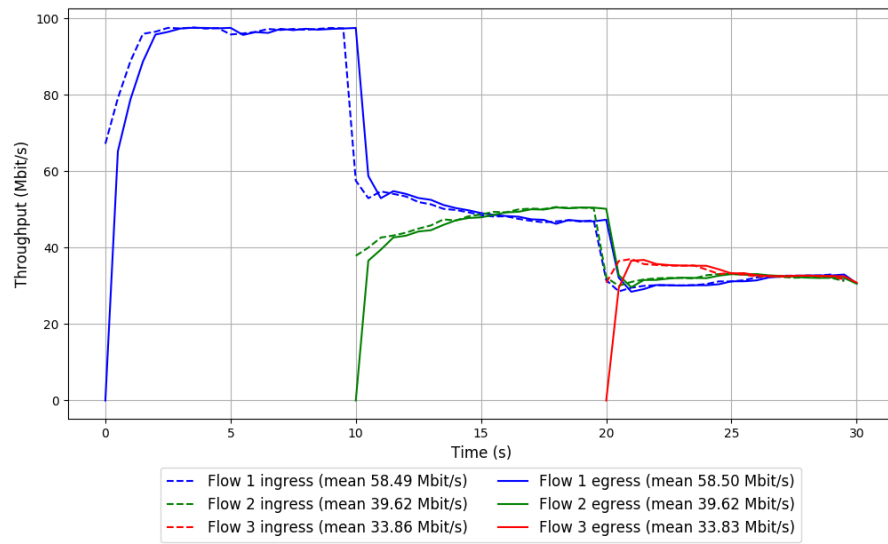
-- Flow 3:

Average throughput: 33.83 Mbit/s

95th percentile per-packet one-way delay: 15.398 ms

Loss rate: 0.32%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-18 11:15:57

End at: 2018-07-18 11:16:27

Local clock offset: 1.347 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-07-18 13:00:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.84 Mbit/s

95th percentile per-packet one-way delay: 25.731 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 52.93 Mbit/s

95th percentile per-packet one-way delay: 20.397 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 31.44 Mbit/s

95th percentile per-packet one-way delay: 23.812 ms

Loss rate: 0.04%

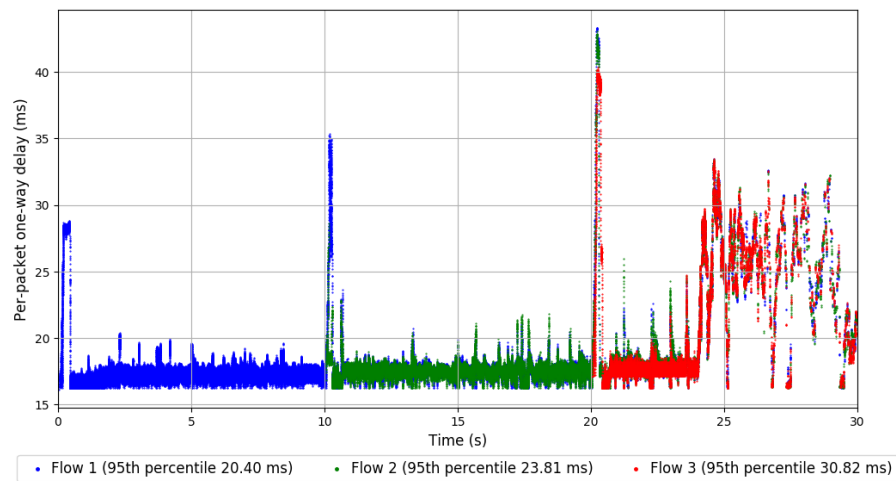
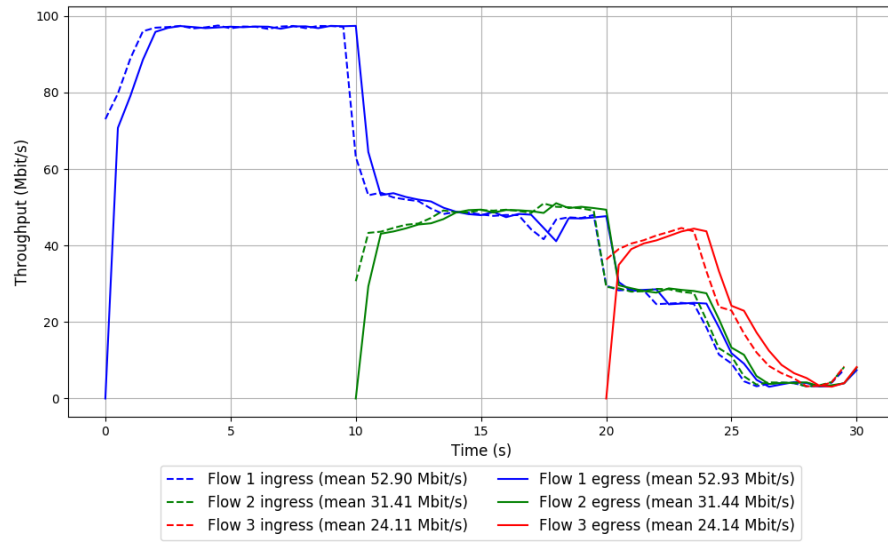
-- Flow 3:

Average throughput: 24.14 Mbit/s

95th percentile per-packet one-way delay: 30.820 ms

Loss rate: 0.12%

Run 7: Report of TCP Vegas — Data Link

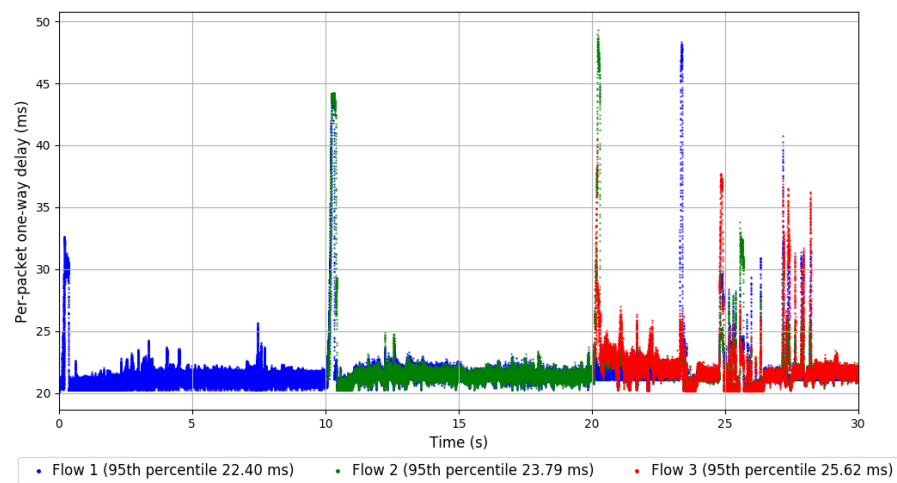
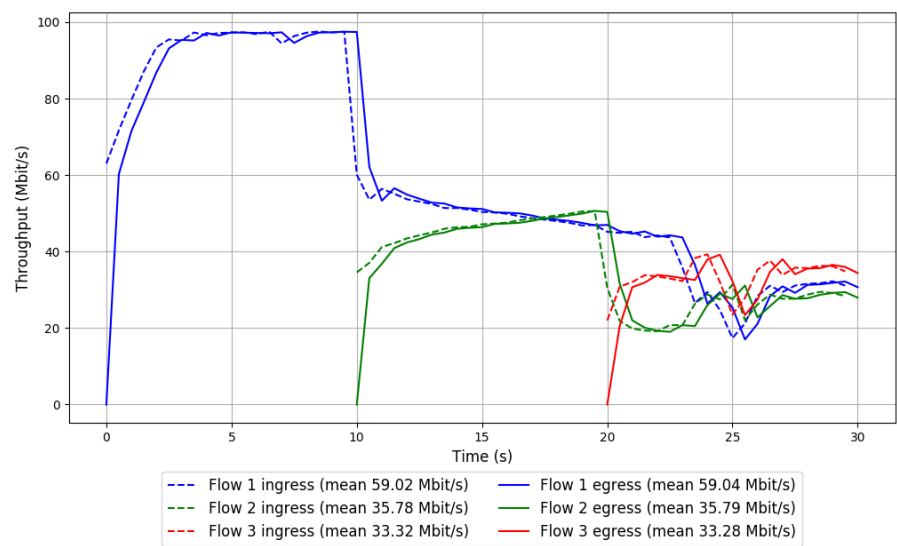


Run 8: Statistics of TCP Vegas

Start at: 2018-07-18 11:36:29
End at: 2018-07-18 11:36:59
Local clock offset: -0.273 ms
Remote clock offset: -8.308 ms

Below is generated by plot.py at 2018-07-18 13:00:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.90 Mbit/s
95th percentile per-packet one-way delay: 23.247 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.04 Mbit/s
95th percentile per-packet one-way delay: 22.399 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 35.79 Mbit/s
95th percentile per-packet one-way delay: 23.785 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 33.28 Mbit/s
95th percentile per-packet one-way delay: 25.620 ms
Loss rate: 0.38%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-18 11:56:49

End at: 2018-07-18 11:57:19

Local clock offset: 0.695 ms

Remote clock offset: -6.25 ms

Below is generated by plot.py at 2018-07-18 13:00:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.48 Mbit/s

95th percentile per-packet one-way delay: 19.246 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 57.51 Mbit/s

95th percentile per-packet one-way delay: 18.645 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 39.94 Mbit/s

95th percentile per-packet one-way delay: 20.110 ms

Loss rate: 0.11%

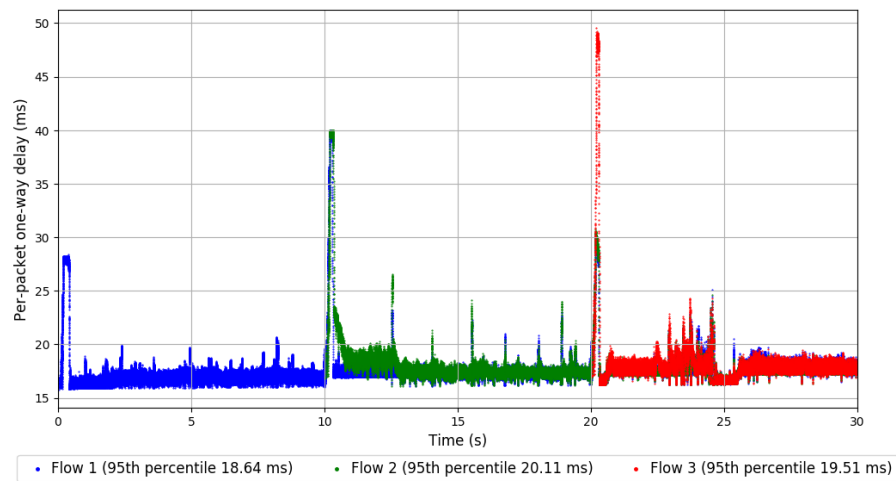
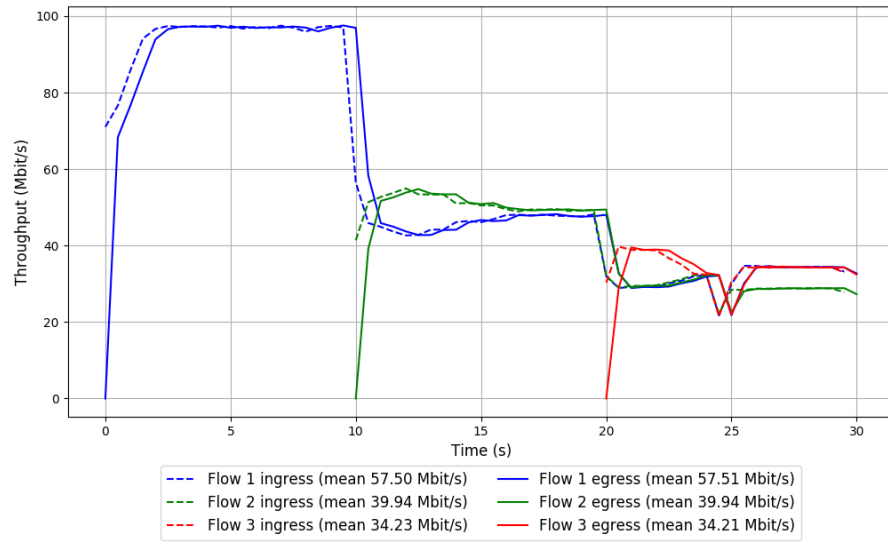
-- Flow 3:

Average throughput: 34.21 Mbit/s

95th percentile per-packet one-way delay: 19.513 ms

Loss rate: 0.30%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-18 12:17:14

End at: 2018-07-18 12:17:44

Local clock offset: 0.536 ms

Remote clock offset: 0.222 ms

Below is generated by plot.py at 2018-07-18 13:00:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.01 Mbit/s

95th percentile per-packet one-way delay: 20.920 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 61.54 Mbit/s

95th percentile per-packet one-way delay: 20.351 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 37.12 Mbit/s

95th percentile per-packet one-way delay: 21.207 ms

Loss rate: 0.10%

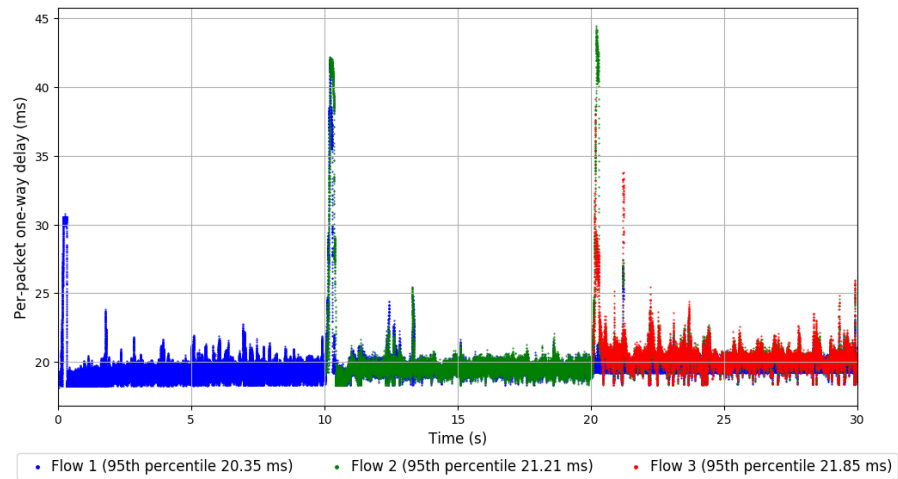
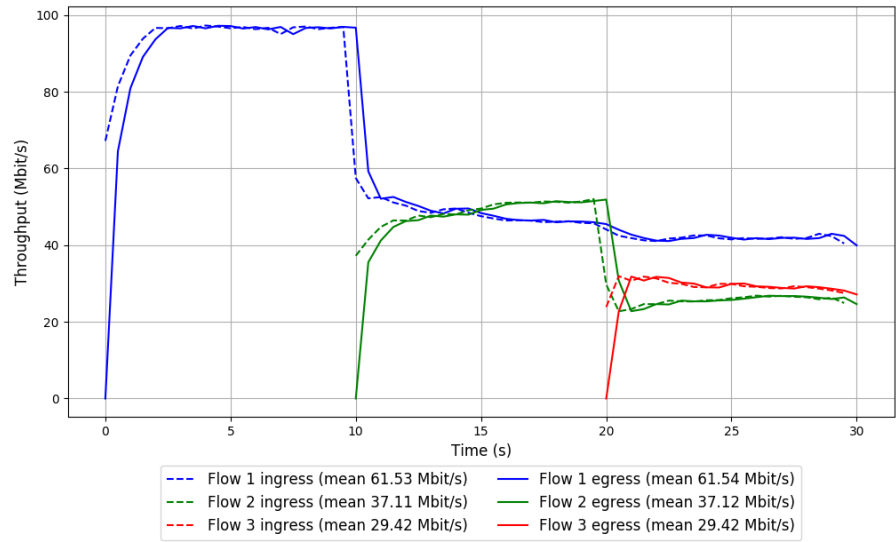
-- Flow 3:

Average throughput: 29.42 Mbit/s

95th percentile per-packet one-way delay: 21.847 ms

Loss rate: 0.26%

Run 10: Report of TCP Vegas — Data Link

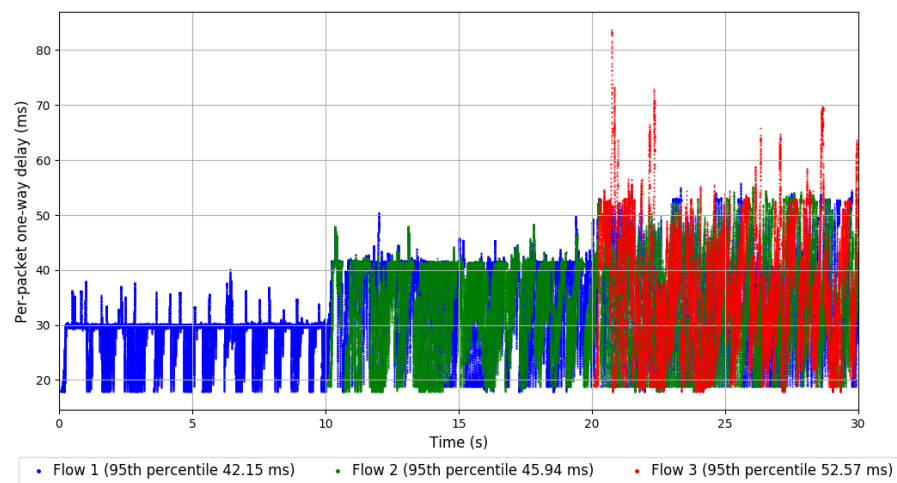
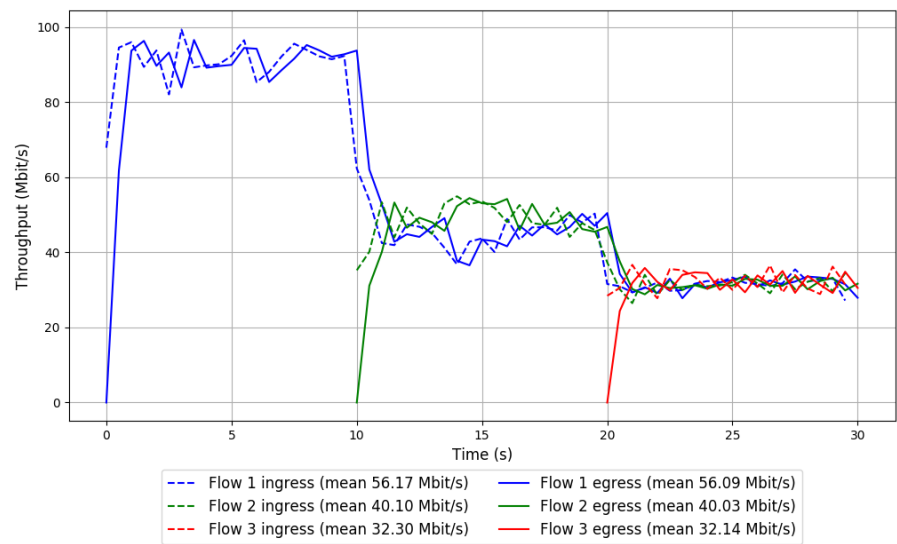


Run 1: Statistics of Verus

Start at: 2018-07-18 09:15:39
End at: 2018-07-18 09:16:09
Local clock offset: 0.627 ms
Remote clock offset: -5.191 ms

Below is generated by plot.py at 2018-07-18 13:01:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.40 Mbit/s
95th percentile per-packet one-way delay: 46.583 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 56.09 Mbit/s
95th percentile per-packet one-way delay: 42.149 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 40.03 Mbit/s
95th percentile per-packet one-way delay: 45.943 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 32.14 Mbit/s
95th percentile per-packet one-way delay: 52.572 ms
Loss rate: 0.86%

Run 1: Report of Verus — Data Link

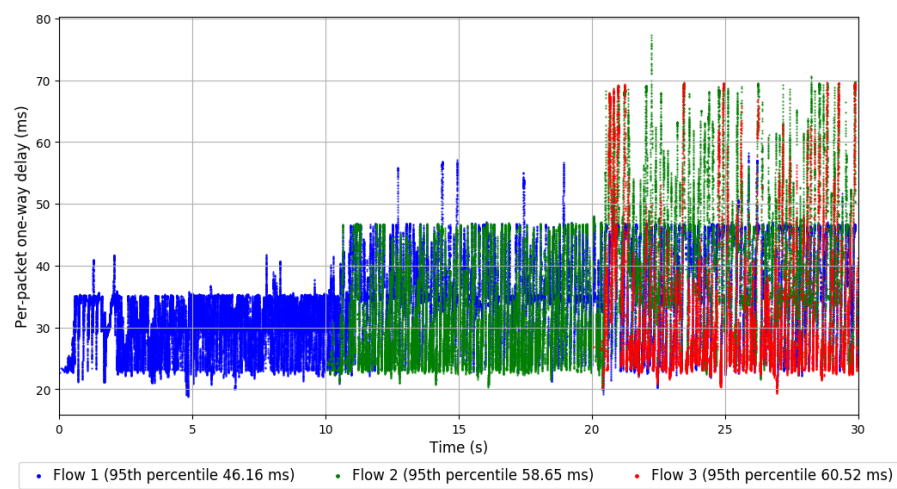
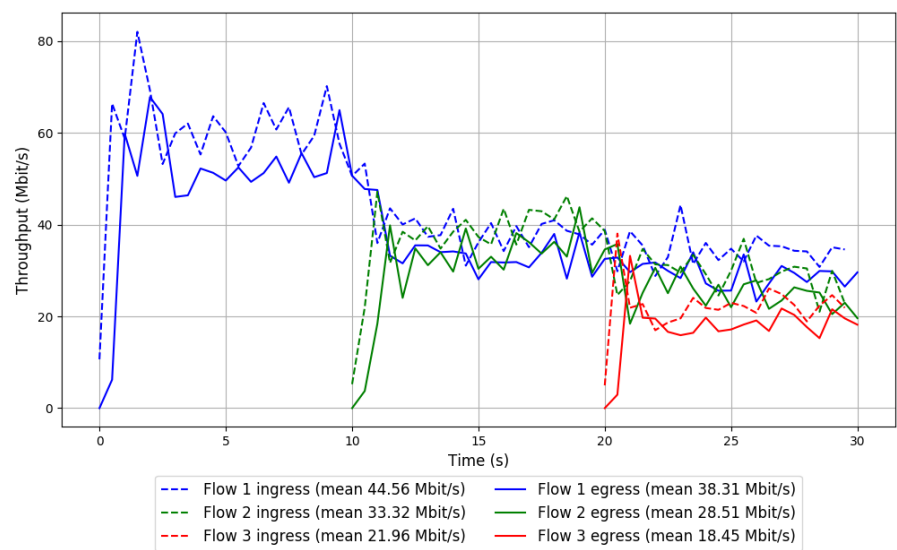


Run 2: Statistics of Verus

Start at: 2018-07-18 09:40:32
End at: 2018-07-18 09:41:02
Local clock offset: -1.013 ms
Remote clock offset: -4.589 ms

Below is generated by plot.py at 2018-07-18 13:01:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.41 Mbit/s
95th percentile per-packet one-way delay: 47.954 ms
Loss rate: 14.49%
-- Flow 1:
Average throughput: 38.31 Mbit/s
95th percentile per-packet one-way delay: 46.161 ms
Loss rate: 14.12%
-- Flow 2:
Average throughput: 28.51 Mbit/s
95th percentile per-packet one-way delay: 58.645 ms
Loss rate: 14.69%
-- Flow 3:
Average throughput: 18.45 Mbit/s
95th percentile per-packet one-way delay: 60.525 ms
Loss rate: 16.21%

Run 2: Report of Verus — Data Link

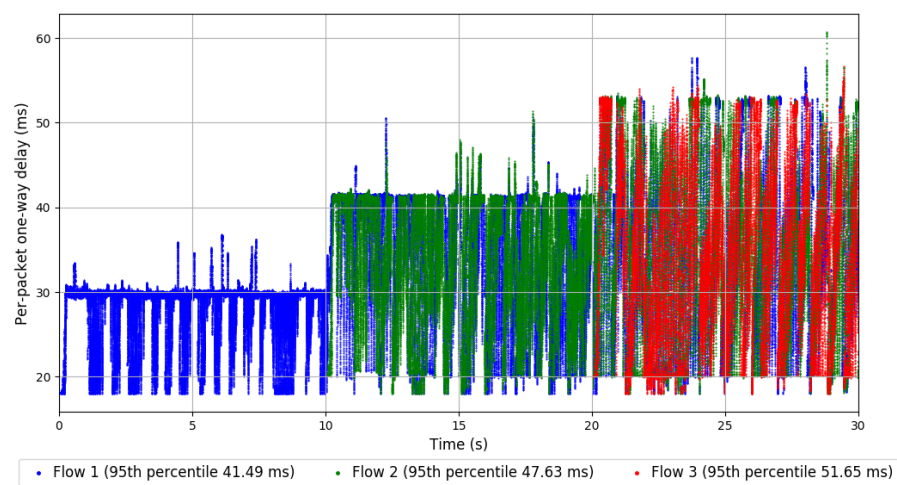
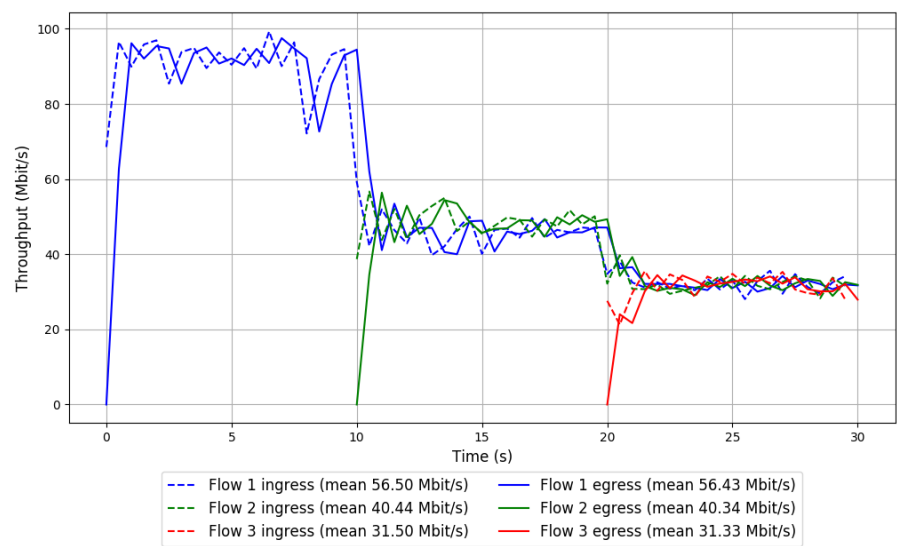


Run 3: Statistics of Verus

Start at: 2018-07-18 10:04:49
End at: 2018-07-18 10:05:19
Local clock offset: 1.559 ms
Remote clock offset: -4.579 ms

Below is generated by plot.py at 2018-07-18 13:01:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.67 Mbit/s
95th percentile per-packet one-way delay: 46.257 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 56.43 Mbit/s
95th percentile per-packet one-way delay: 41.490 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 40.34 Mbit/s
95th percentile per-packet one-way delay: 47.631 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 31.33 Mbit/s
95th percentile per-packet one-way delay: 51.652 ms
Loss rate: 0.77%

Run 3: Report of Verus — Data Link

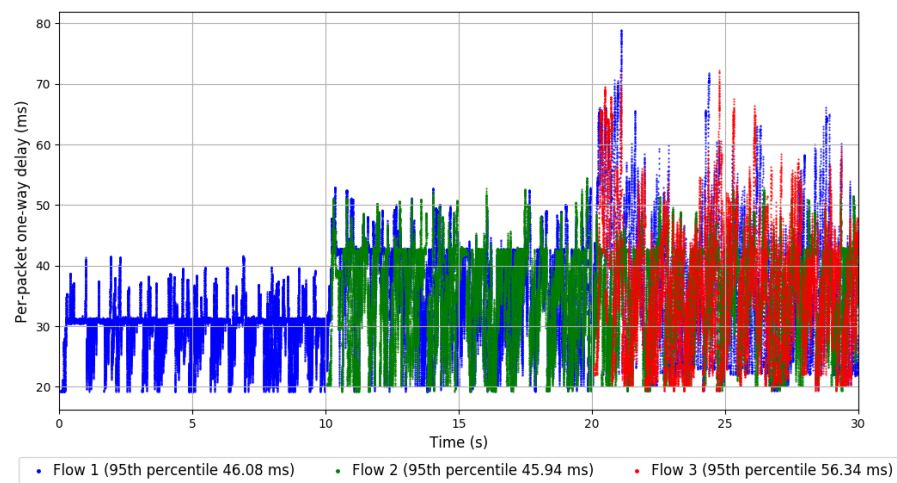
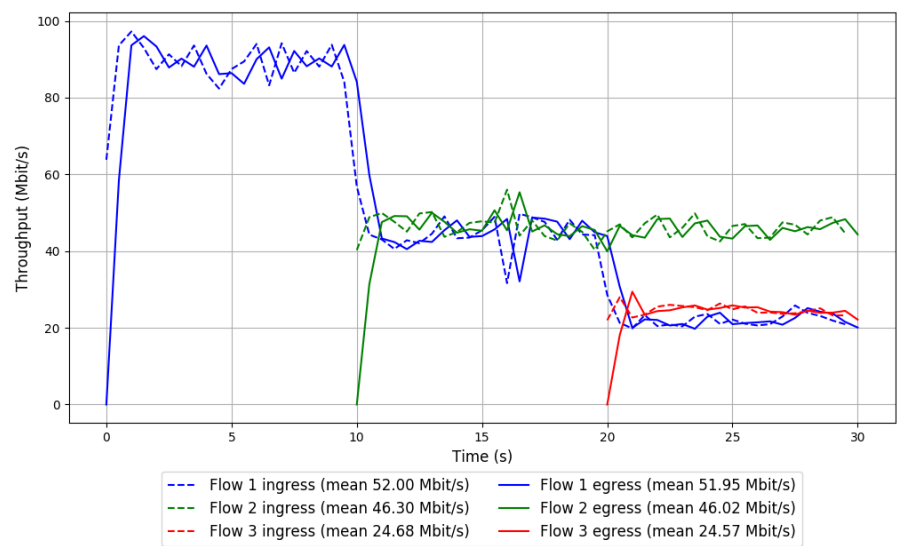


Run 4: Statistics of Verus

Start at: 2018-07-18 10:25:32
End at: 2018-07-18 10:26:02
Local clock offset: 2.689 ms
Remote clock offset: -3.028 ms

Below is generated by plot.py at 2018-07-18 13:01:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.74 Mbit/s
95th percentile per-packet one-way delay: 47.144 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 51.95 Mbit/s
95th percentile per-packet one-way delay: 46.076 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 46.02 Mbit/s
95th percentile per-packet one-way delay: 45.936 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 56.345 ms
Loss rate: 0.66%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-18 10:45:57

End at: 2018-07-18 10:46:27

Local clock offset: -0.284 ms

Remote clock offset: 0.329 ms

Below is generated by plot.py at 2018-07-18 13:01:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.07 Mbit/s

95th percentile per-packet one-way delay: 39.356 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 53.79 Mbit/s

95th percentile per-packet one-way delay: 39.192 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 49.32 Mbit/s

95th percentile per-packet one-way delay: 39.193 ms

Loss rate: 0.43%

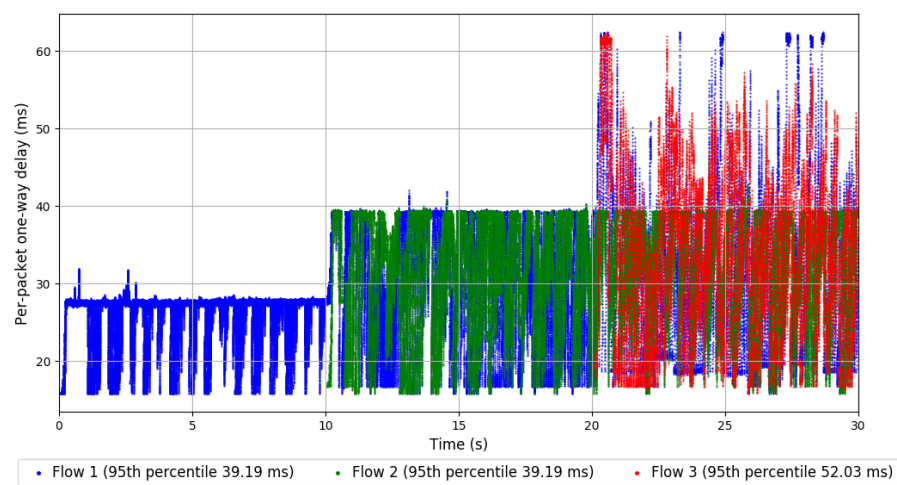
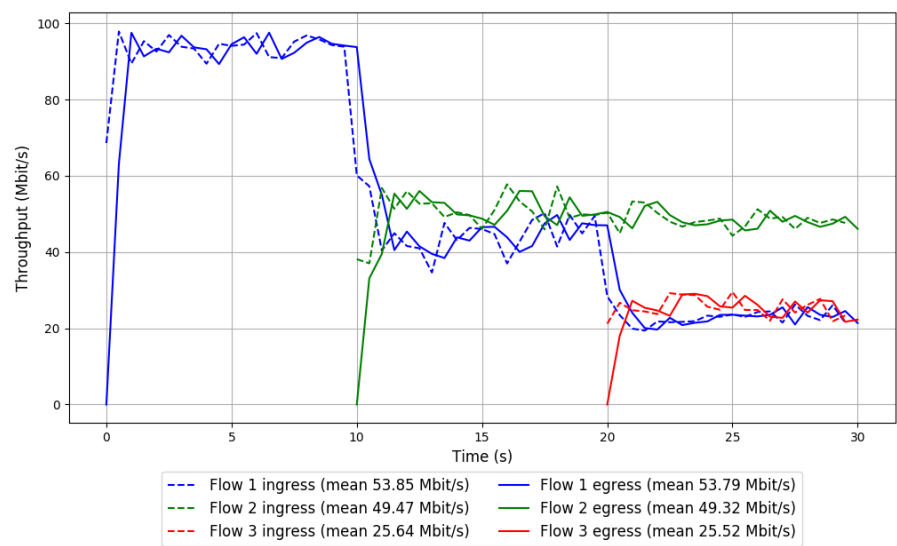
-- Flow 3:

Average throughput: 25.52 Mbit/s

95th percentile per-packet one-way delay: 52.035 ms

Loss rate: 0.74%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-18 11:06:15

End at: 2018-07-18 11:06:45

Local clock offset: 2.299 ms

Remote clock offset: -1.32 ms

Below is generated by plot.py at 2018-07-18 13:01:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.91 Mbit/s

95th percentile per-packet one-way delay: 42.454 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 61.26 Mbit/s

95th percentile per-packet one-way delay: 42.062 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 38.04 Mbit/s

95th percentile per-packet one-way delay: 46.084 ms

Loss rate: 0.18%

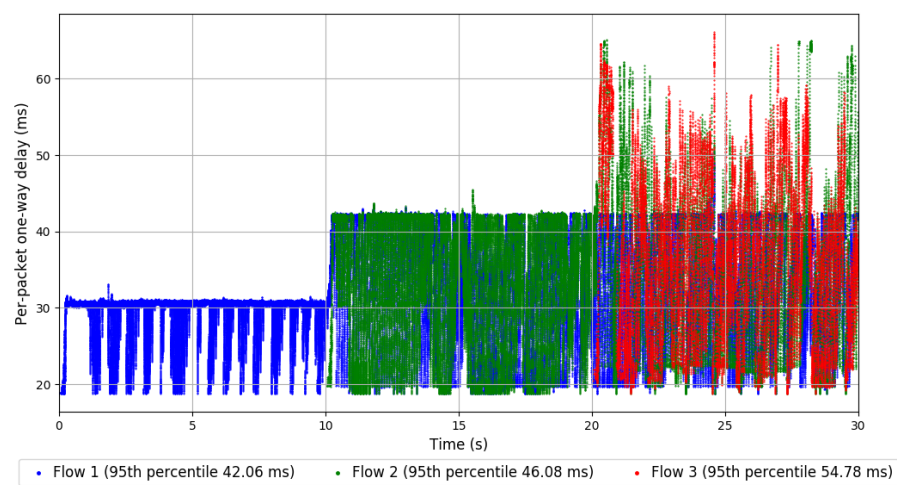
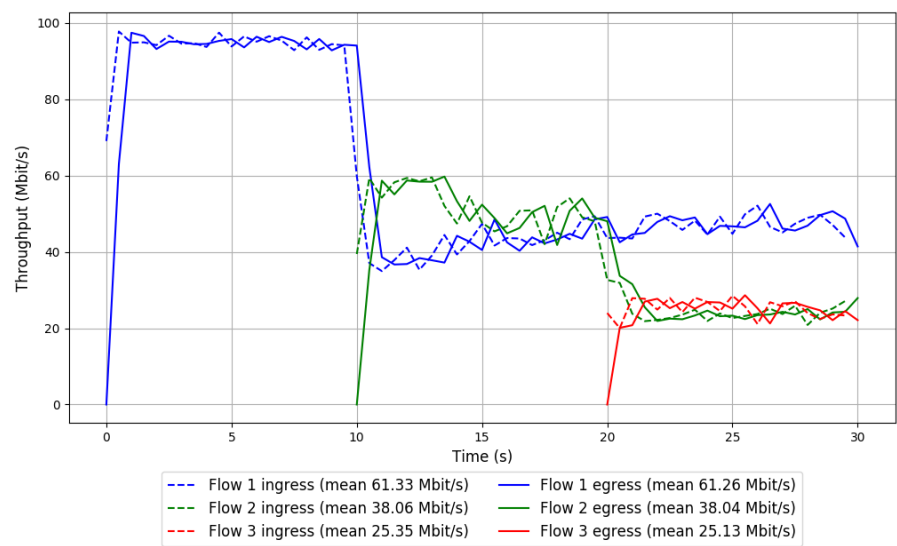
-- Flow 3:

Average throughput: 25.13 Mbit/s

95th percentile per-packet one-way delay: 54.777 ms

Loss rate: 1.08%

Run 6: Report of Verus — Data Link

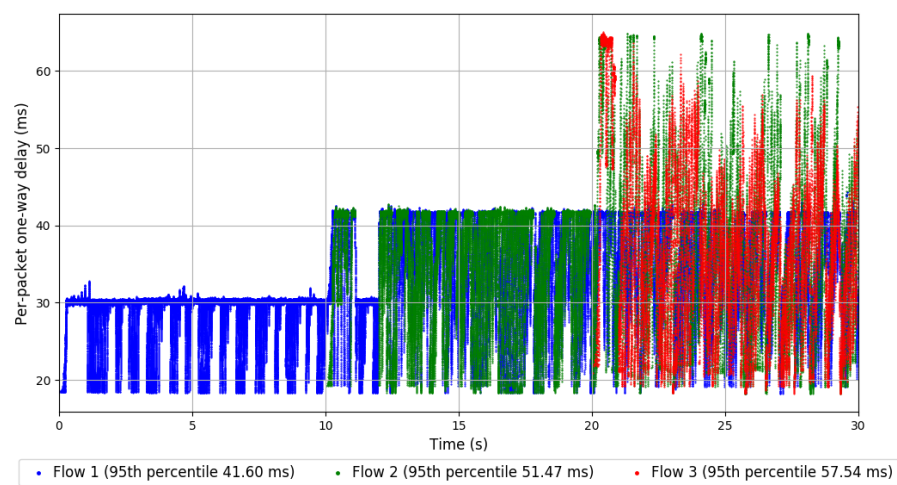
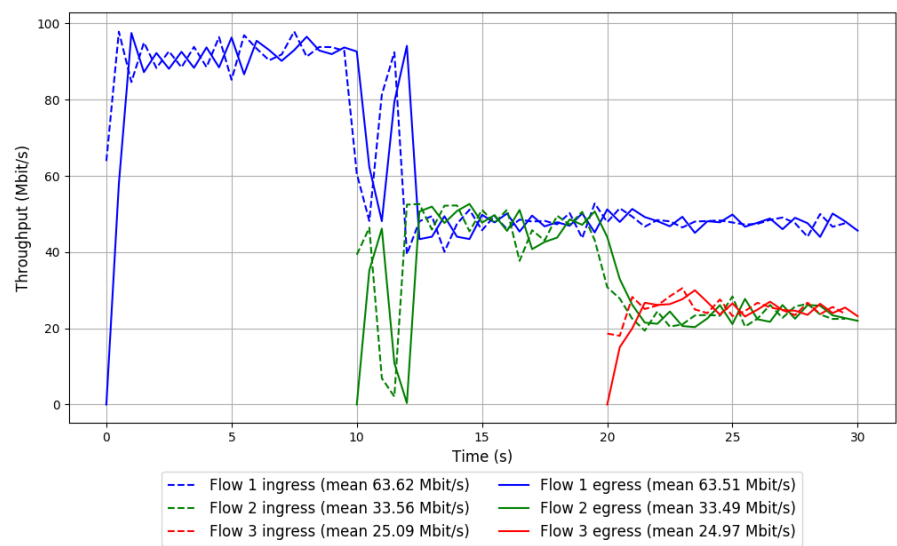


Run 7: Statistics of Verus

Start at: 2018-07-18 11:26:52
End at: 2018-07-18 11:27:22
Local clock offset: -0.015 ms
Remote clock offset: -3.831 ms

Below is generated by plot.py at 2018-07-18 13:01:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.08 Mbit/s
95th percentile per-packet one-way delay: 42.916 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 63.51 Mbit/s
95th percentile per-packet one-way delay: 41.598 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 33.49 Mbit/s
95th percentile per-packet one-way delay: 51.473 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 24.97 Mbit/s
95th percentile per-packet one-way delay: 57.543 ms
Loss rate: 0.72%

Run 7: Report of Verus — Data Link

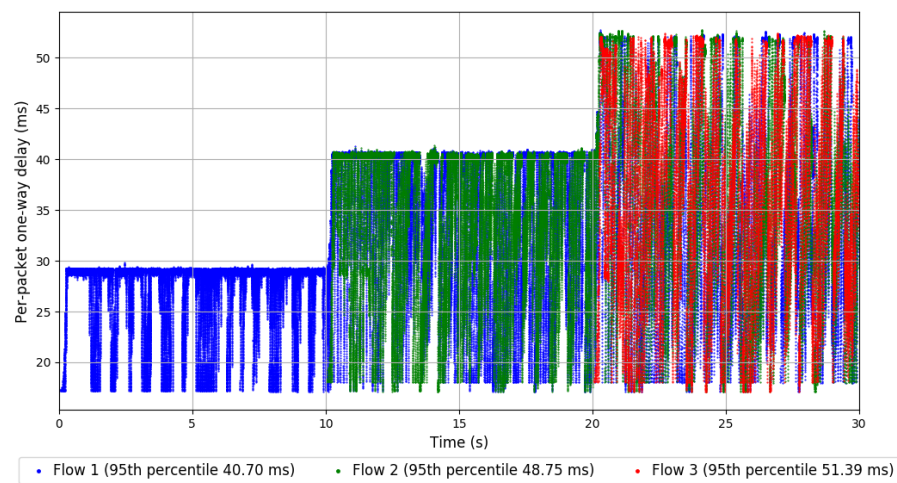
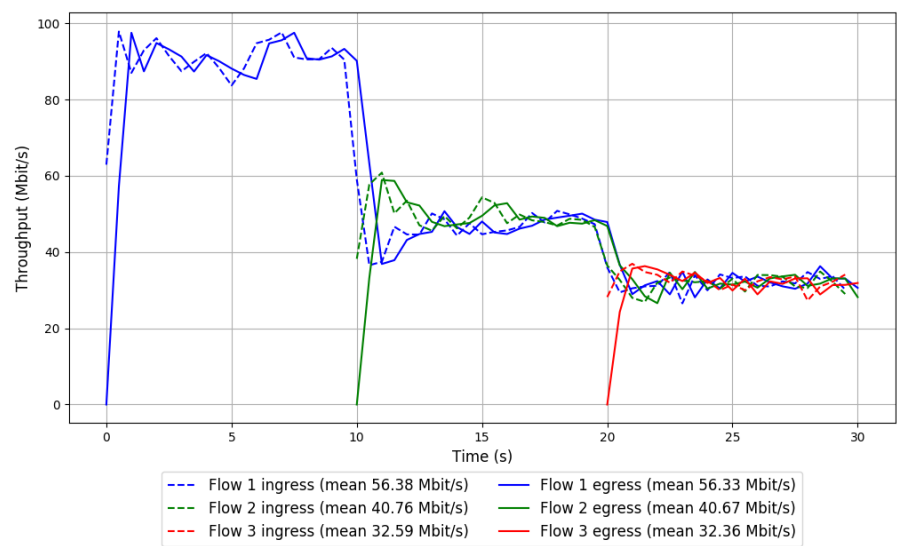


Run 8: Statistics of Verus

Start at: 2018-07-18 11:47:23
End at: 2018-07-18 11:47:53
Local clock offset: -1.503 ms
Remote clock offset: -7.828 ms

Below is generated by plot.py at 2018-07-18 13:02:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.14 Mbit/s
95th percentile per-packet one-way delay: 47.552 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 56.33 Mbit/s
95th percentile per-packet one-way delay: 40.700 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 40.67 Mbit/s
95th percentile per-packet one-way delay: 48.747 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 32.36 Mbit/s
95th percentile per-packet one-way delay: 51.392 ms
Loss rate: 1.05%

Run 8: Report of Verus — Data Link

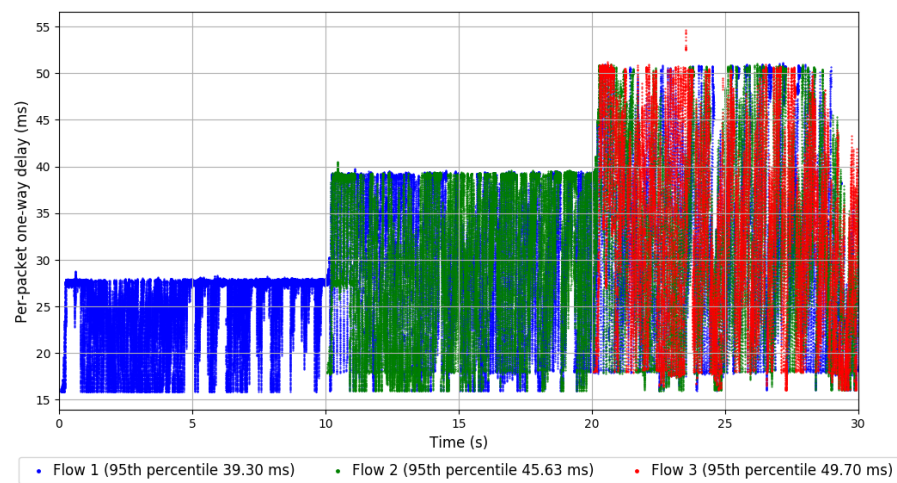
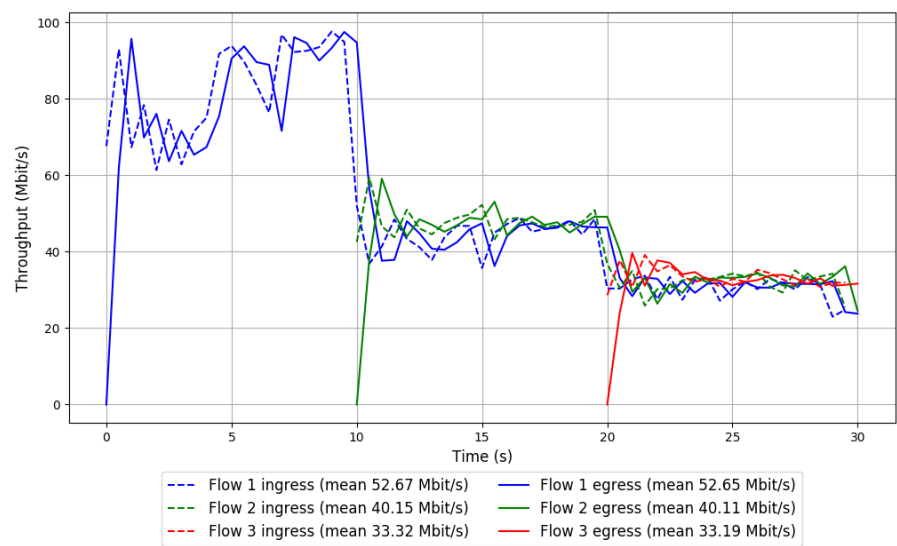


Run 9: Statistics of Verus

Start at: 2018-07-18 12:07:40
End at: 2018-07-18 12:08:10
Local clock offset: -0.844 ms
Remote clock offset: -0.881 ms

Below is generated by plot.py at 2018-07-18 13:02:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.35 Mbit/s
95th percentile per-packet one-way delay: 44.993 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 52.65 Mbit/s
95th percentile per-packet one-way delay: 39.304 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 40.11 Mbit/s
95th percentile per-packet one-way delay: 45.627 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 33.19 Mbit/s
95th percentile per-packet one-way delay: 49.703 ms
Loss rate: 0.64%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-18 12:28:11

End at: 2018-07-18 12:28:41

Local clock offset: 0.254 ms

Remote clock offset: 1.423 ms

Below is generated by plot.py at 2018-07-18 13:02:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.34 Mbit/s

95th percentile per-packet one-way delay: 40.510 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 55.60 Mbit/s

95th percentile per-packet one-way delay: 40.403 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 36.57 Mbit/s

95th percentile per-packet one-way delay: 47.488 ms

Loss rate: 0.32%

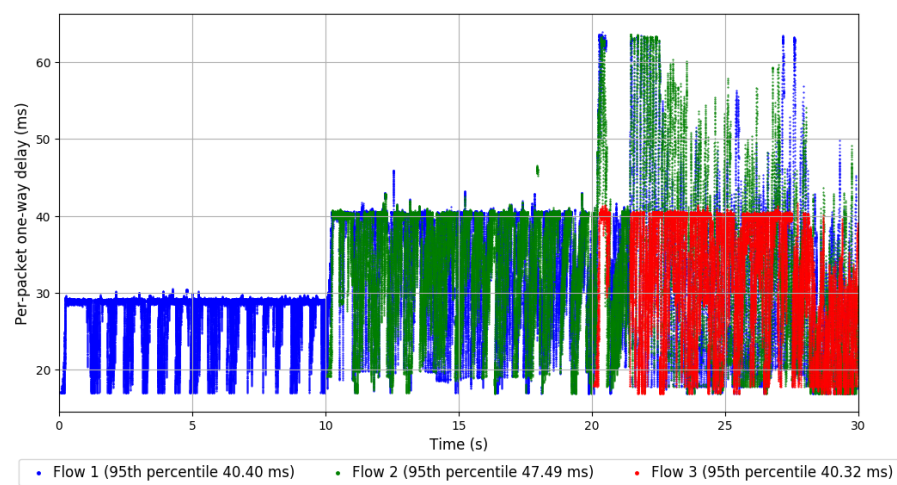
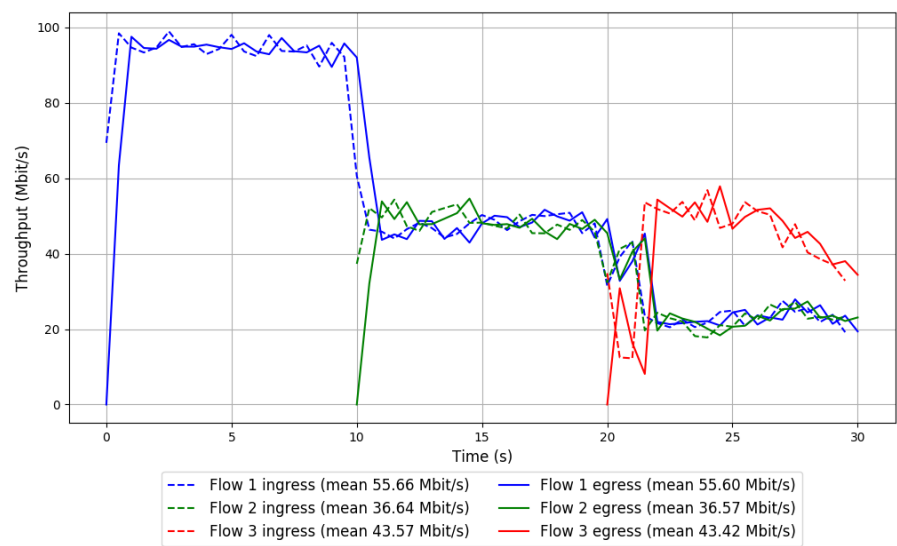
-- Flow 3:

Average throughput: 43.42 Mbit/s

95th percentile per-packet one-way delay: 40.322 ms

Loss rate: 0.14%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-18 09:17:06

End at: 2018-07-18 09:17:36

Local clock offset: 1.792 ms

Remote clock offset: -5.42 ms

Below is generated by plot.py at 2018-07-18 13:02:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.84 Mbit/s

95th percentile per-packet one-way delay: 49.564 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 51.04 Mbit/s

95th percentile per-packet one-way delay: 35.049 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 26.86 Mbit/s

95th percentile per-packet one-way delay: 59.304 ms

Loss rate: 1.70%

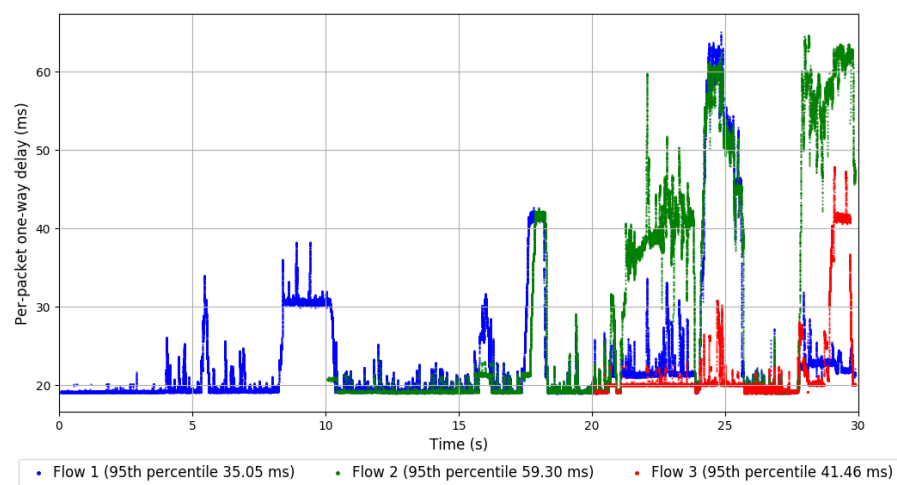
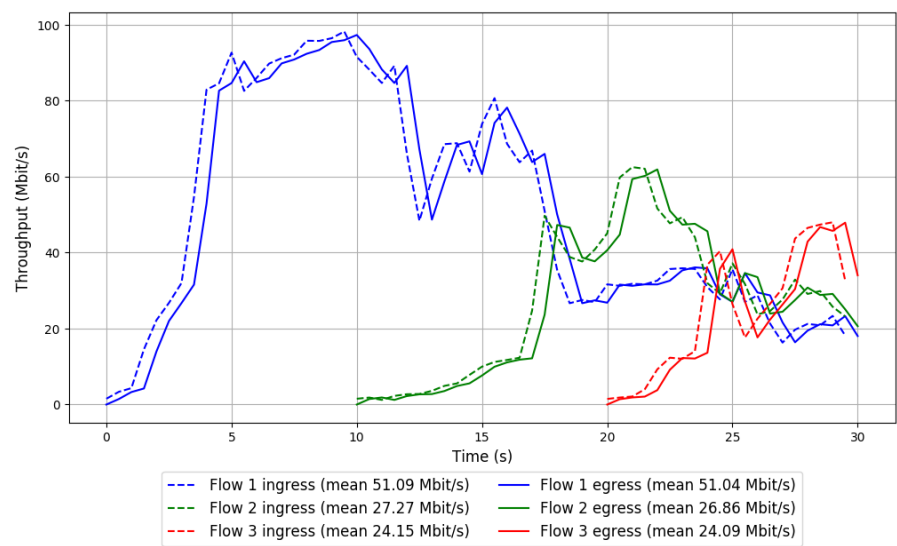
-- Flow 3:

Average throughput: 24.09 Mbit/s

95th percentile per-packet one-way delay: 41.463 ms

Loss rate: 0.49%

Run 1: Report of PCC-Vivace — Data Link

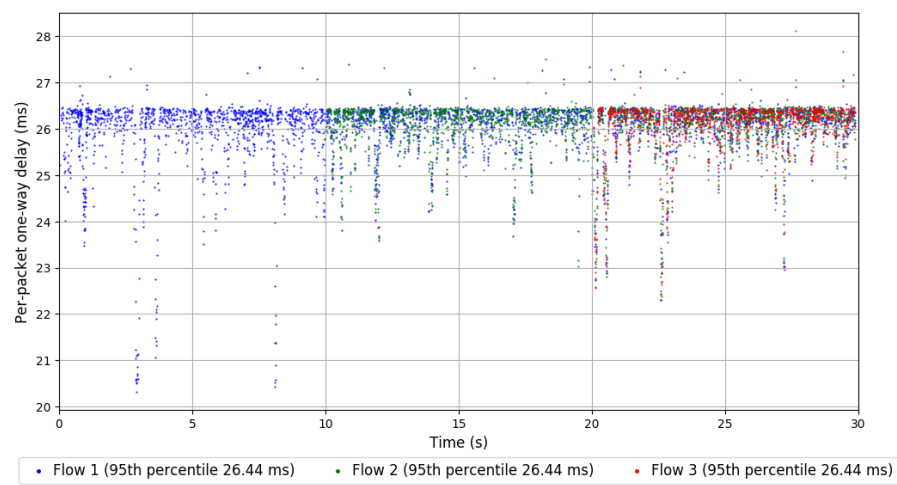
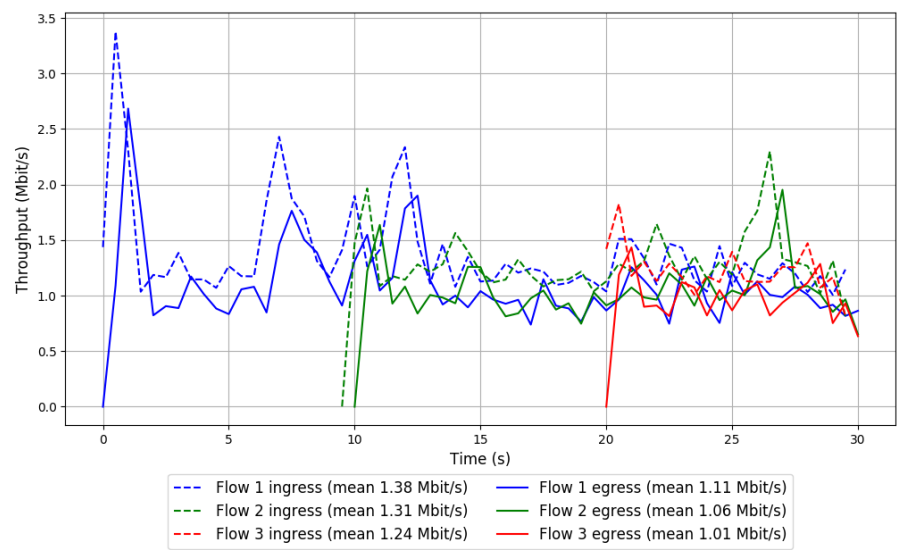


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-18 09:43:21
End at: 2018-07-18 09:43:51
Local clock offset: 1.476 ms
Remote clock offset: -5.304 ms

Below is generated by plot.py at 2018-07-18 13:02:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 26.439 ms
Loss rate: 19.34%
-- Flow 1:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 26.438 ms
Loss rate: 19.61%
-- Flow 2:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: 26.440 ms
Loss rate: 19.15%
-- Flow 3:
Average throughput: 1.01 Mbit/s
95th percentile per-packet one-way delay: 26.438 ms
Loss rate: 18.84%

Run 2: Report of PCC-Vivace — Data Link

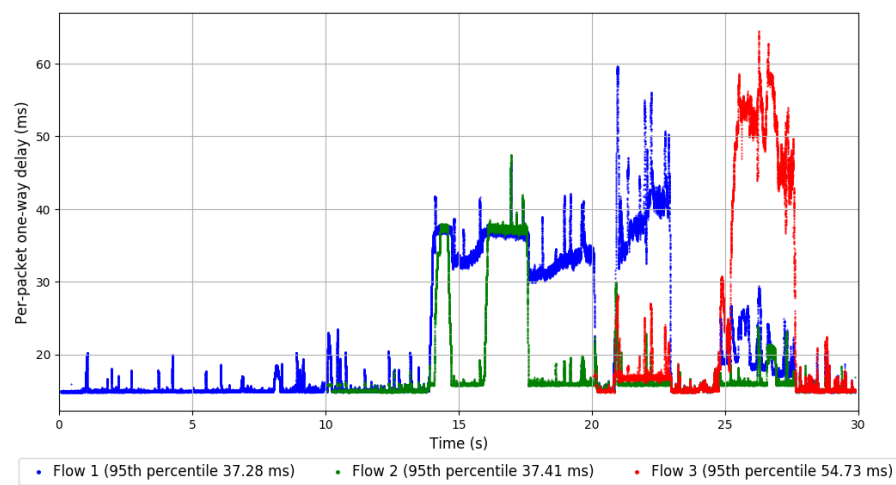
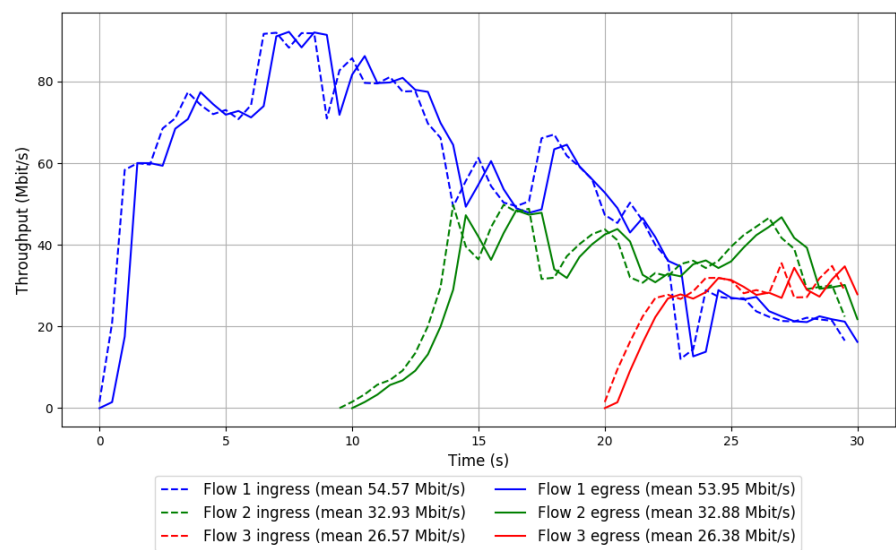


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-18 10:06:06
End at: 2018-07-18 10:06:36
Local clock offset: -0.326 ms
Remote clock offset: -3.382 ms

Below is generated by plot.py at 2018-07-18 13:02:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.51 Mbit/s
95th percentile per-packet one-way delay: 38.174 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 53.95 Mbit/s
95th percentile per-packet one-way delay: 37.279 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 32.88 Mbit/s
95th percentile per-packet one-way delay: 37.415 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 26.38 Mbit/s
95th percentile per-packet one-way delay: 54.734 ms
Loss rate: 1.05%

Run 3: Report of PCC-Vivace — Data Link

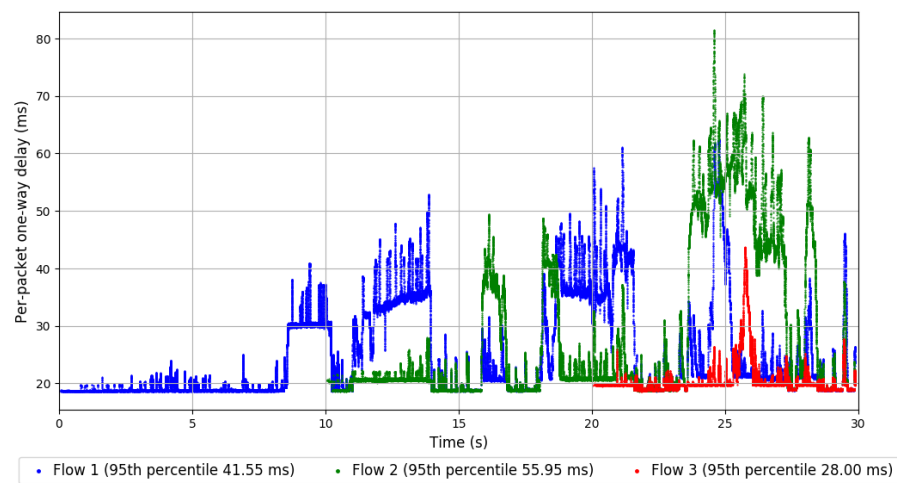
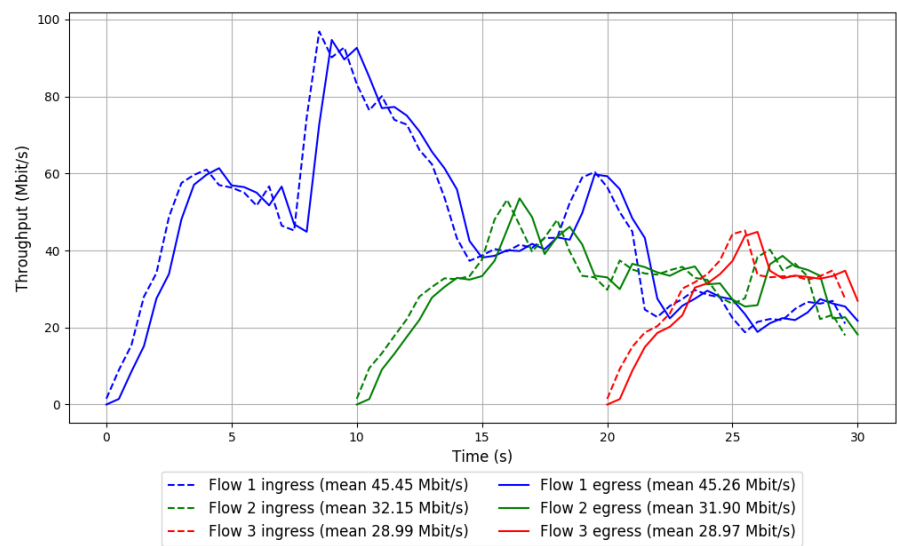


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-18 10:26:46
End at: 2018-07-18 10:27:16
Local clock offset: 1.752 ms
Remote clock offset: -3.201 ms

Below is generated by plot.py at 2018-07-18 13:02:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.02 Mbit/s
95th percentile per-packet one-way delay: 45.831 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 45.26 Mbit/s
95th percentile per-packet one-way delay: 41.552 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 31.90 Mbit/s
95th percentile per-packet one-way delay: 55.950 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 28.97 Mbit/s
95th percentile per-packet one-way delay: 28.000 ms
Loss rate: 0.33%

Run 4: Report of PCC-Vivace — Data Link

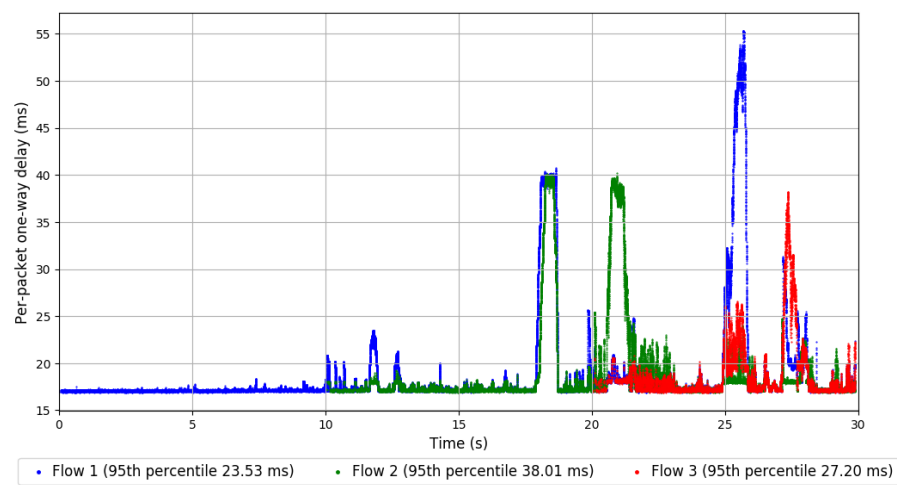
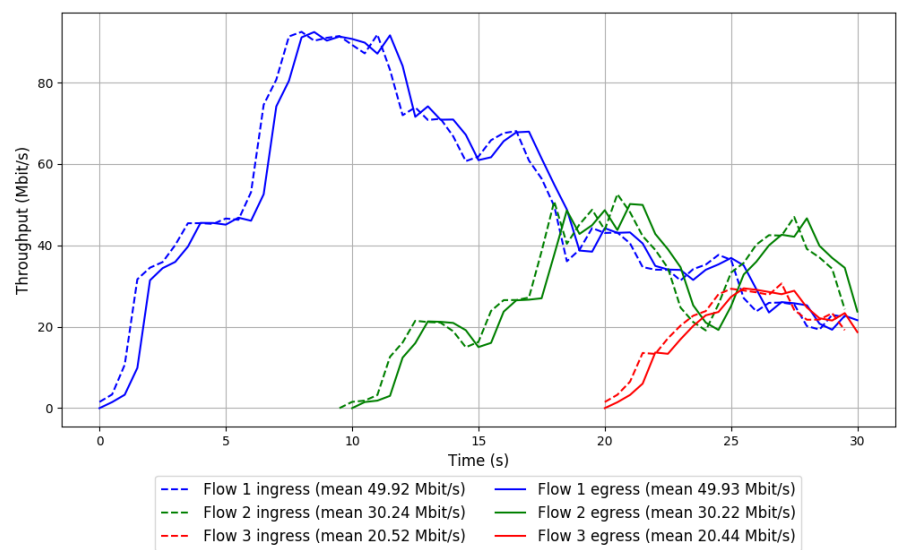


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-18 10:47:09
End at: 2018-07-18 10:47:39
Local clock offset: -0.126 ms
Remote clock offset: -0.724 ms

Below is generated by plot.py at 2018-07-18 13:02:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.78 Mbit/s
95th percentile per-packet one-way delay: 30.196 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 49.93 Mbit/s
95th percentile per-packet one-way delay: 23.531 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 30.22 Mbit/s
95th percentile per-packet one-way delay: 38.014 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 20.44 Mbit/s
95th percentile per-packet one-way delay: 27.204 ms
Loss rate: 0.62%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-18 11:07:30

End at: 2018-07-18 11:08:00

Local clock offset: -1.442 ms

Remote clock offset: 0.24 ms

Below is generated by plot.py at 2018-07-18 13:03:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.65 Mbit/s

95th percentile per-packet one-way delay: 35.828 ms

Loss rate: 1.97%

-- Flow 1:

Average throughput: 62.50 Mbit/s

95th percentile per-packet one-way delay: 34.493 ms

Loss rate: 2.50%

-- Flow 2:

Average throughput: 34.73 Mbit/s

95th percentile per-packet one-way delay: 51.723 ms

Loss rate: 0.84%

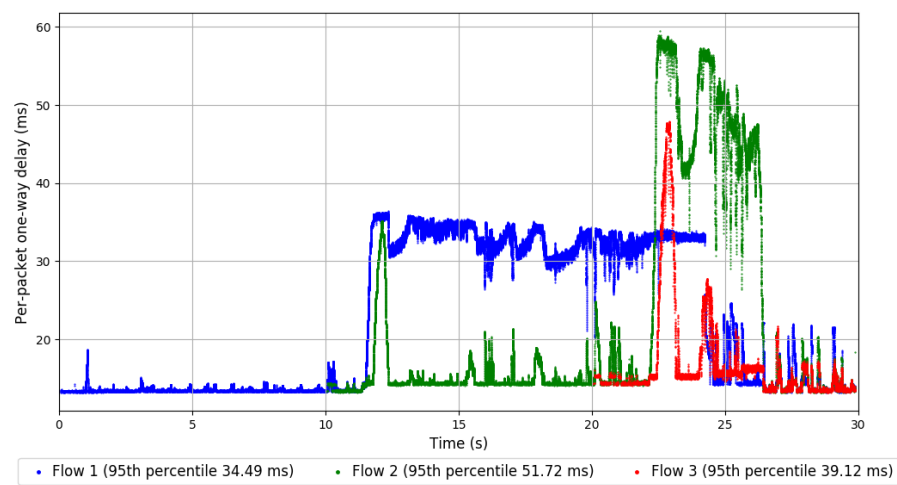
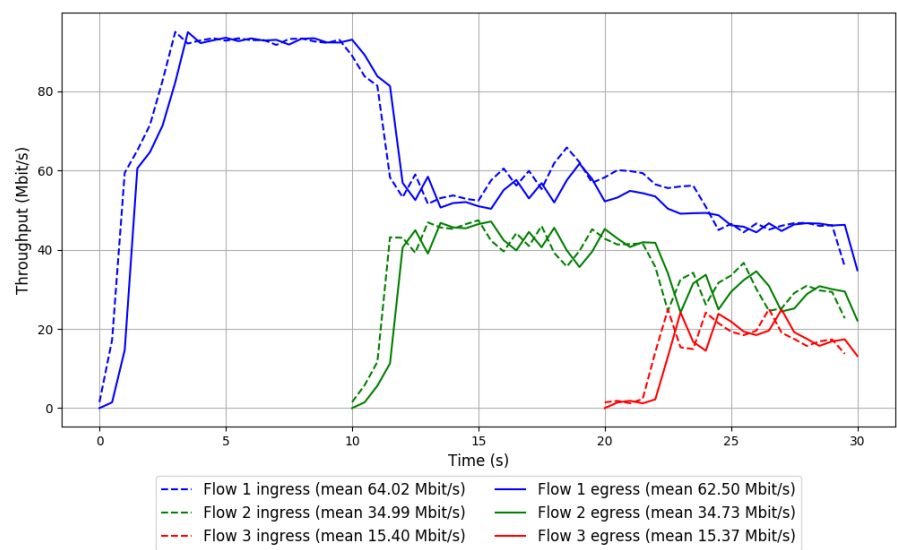
-- Flow 3:

Average throughput: 15.37 Mbit/s

95th percentile per-packet one-way delay: 39.122 ms

Loss rate: 0.43%

Run 6: Report of PCC-Vivace — Data Link

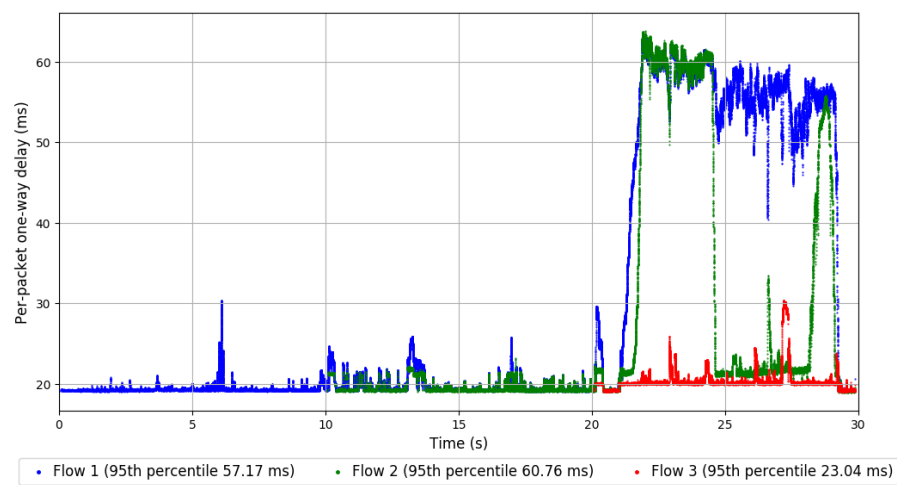
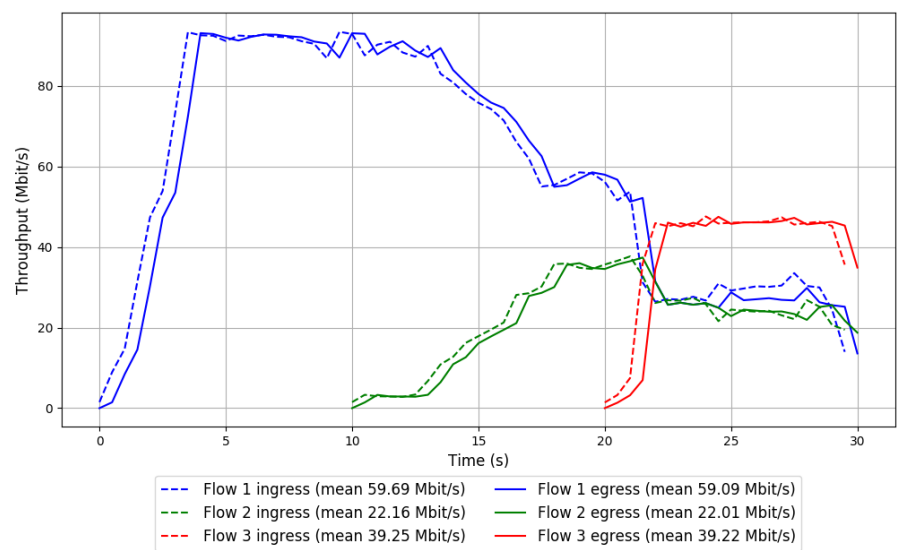


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-18 11:28:07
End at: 2018-07-18 11:28:37
Local clock offset: 0.978 ms
Remote clock offset: -4.121 ms

Below is generated by plot.py at 2018-07-18 13:03:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.64 Mbit/s
95th percentile per-packet one-way delay: 58.180 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 59.09 Mbit/s
95th percentile per-packet one-way delay: 57.174 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 22.01 Mbit/s
95th percentile per-packet one-way delay: 60.762 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 39.22 Mbit/s
95th percentile per-packet one-way delay: 23.036 ms
Loss rate: 0.33%

Run 7: Report of PCC-Vivace — Data Link

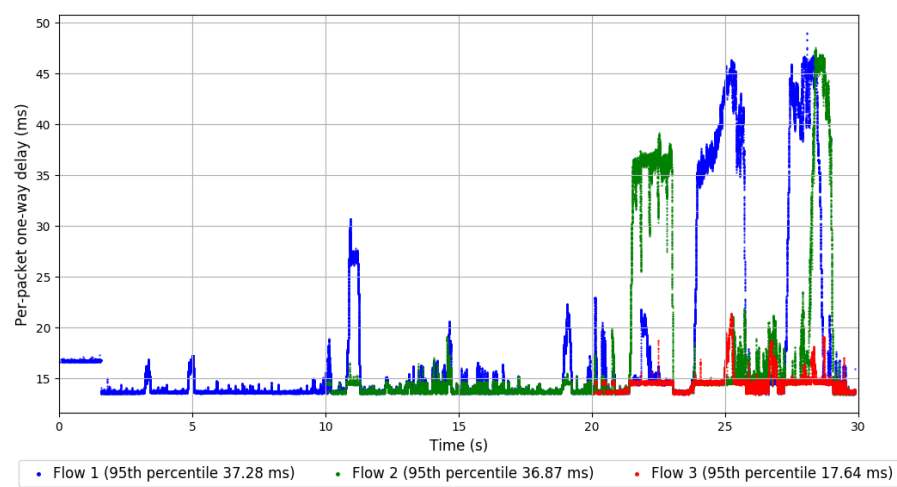
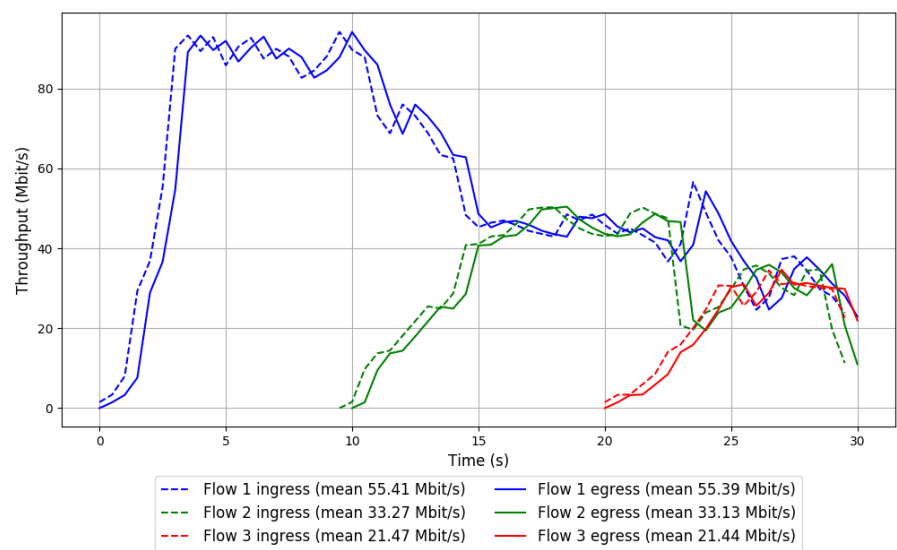


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-18 11:48:34
End at: 2018-07-18 11:49:04
Local clock offset: -2.057 ms
Remote clock offset: -8.032 ms

```
# Below is generated by plot.py at 2018-07-18 13:03:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.49 Mbit/s
95th percentile per-packet one-way delay: 36.741 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 55.39 Mbit/s
95th percentile per-packet one-way delay: 37.280 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 33.13 Mbit/s
95th percentile per-packet one-way delay: 36.867 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 21.44 Mbit/s
95th percentile per-packet one-way delay: 17.640 ms
Loss rate: 0.35%
```

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-18 12:08:53

End at: 2018-07-18 12:09:23

Local clock offset: -2.117 ms

Remote clock offset: 0.269 ms

Below is generated by plot.py at 2018-07-18 13:03:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.34 Mbit/s

95th percentile per-packet one-way delay: 25.758 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 60.52 Mbit/s

95th percentile per-packet one-way delay: 24.470 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 24.09 Mbit/s

95th percentile per-packet one-way delay: 37.484 ms

Loss rate: 0.27%

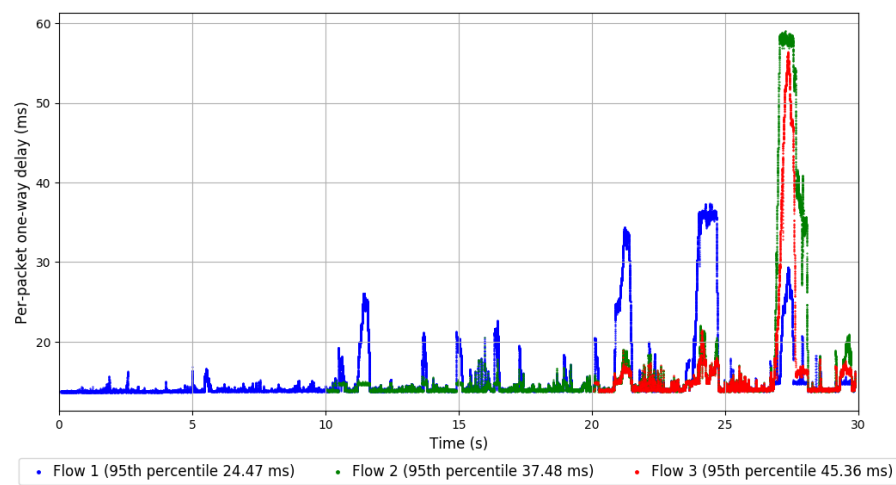
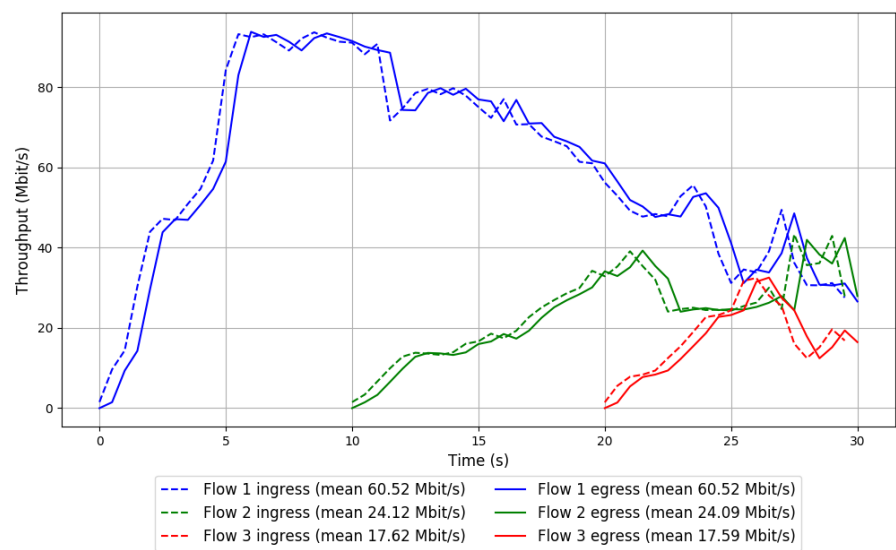
-- Flow 3:

Average throughput: 17.59 Mbit/s

95th percentile per-packet one-way delay: 45.356 ms

Loss rate: 0.41%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-18 12:29:27

End at: 2018-07-18 12:29:57

Local clock offset: 1.356 ms

Remote clock offset: 1.257 ms

Below is generated by plot.py at 2018-07-18 13:03:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.75 Mbit/s

95th percentile per-packet one-way delay: 36.036 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 59.88 Mbit/s

95th percentile per-packet one-way delay: 35.484 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 31.96 Mbit/s

95th percentile per-packet one-way delay: 39.151 ms

Loss rate: 0.20%

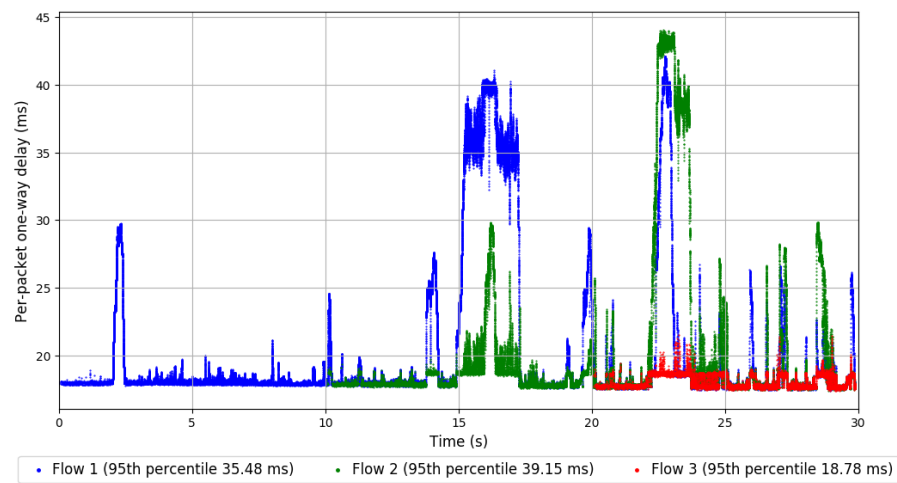
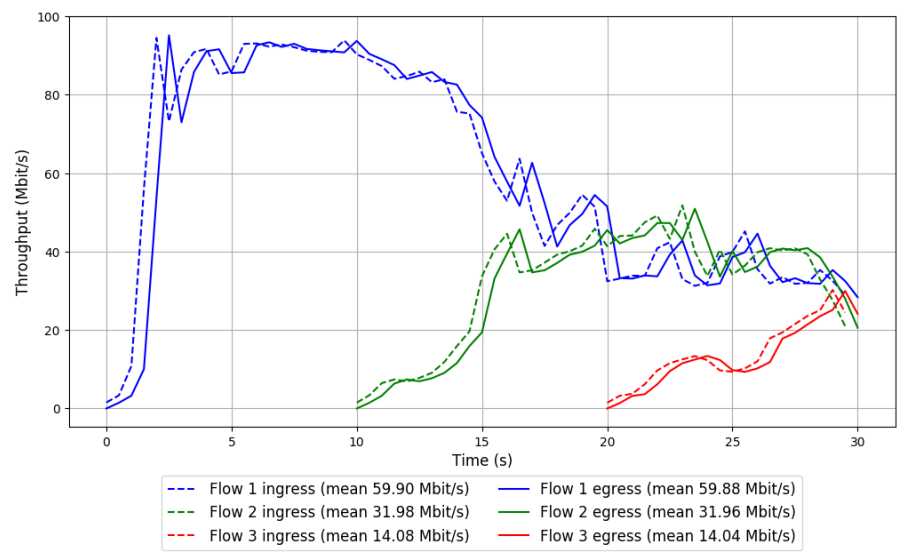
-- Flow 3:

Average throughput: 14.04 Mbit/s

95th percentile per-packet one-way delay: 18.783 ms

Loss rate: 0.54%

Run 10: Report of PCC-Vivace — Data Link

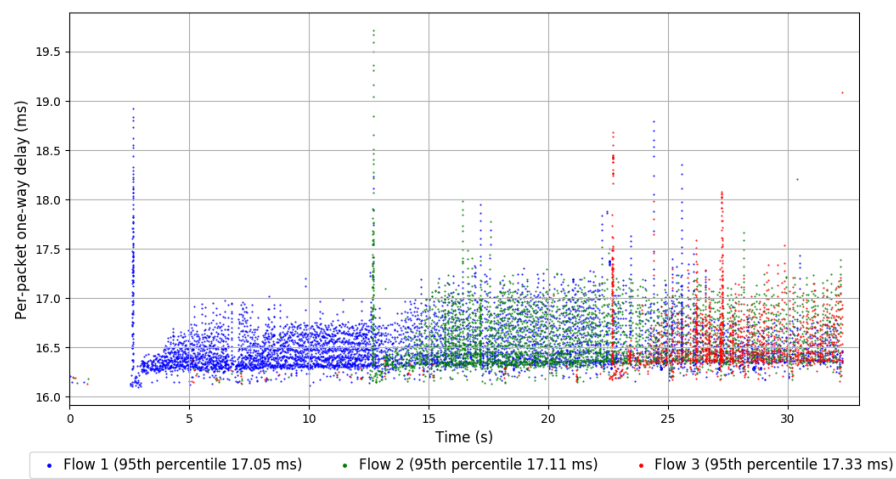
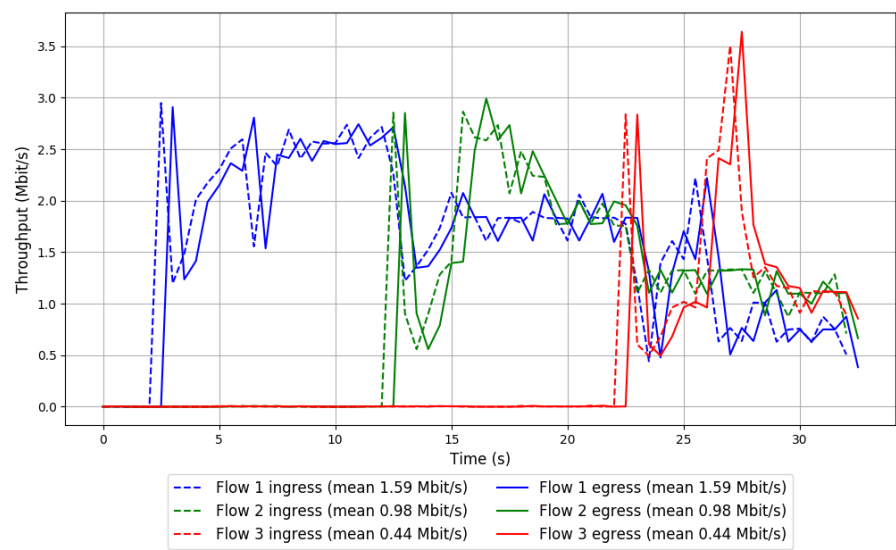


Run 1: Statistics of WebRTC media

Start at: 2018-07-18 09:03:37
End at: 2018-07-18 09:04:07
Local clock offset: -0.222 ms
Remote clock offset: -0.994 ms

Below is generated by plot.py at 2018-07-18 13:03:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.00 Mbit/s
95th percentile per-packet one-way delay: 17.116 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: 17.054 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 0.98 Mbit/s
95th percentile per-packet one-way delay: 17.106 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 17.334 ms
Loss rate: 0.13%

Run 1: Report of WebRTC media — Data Link

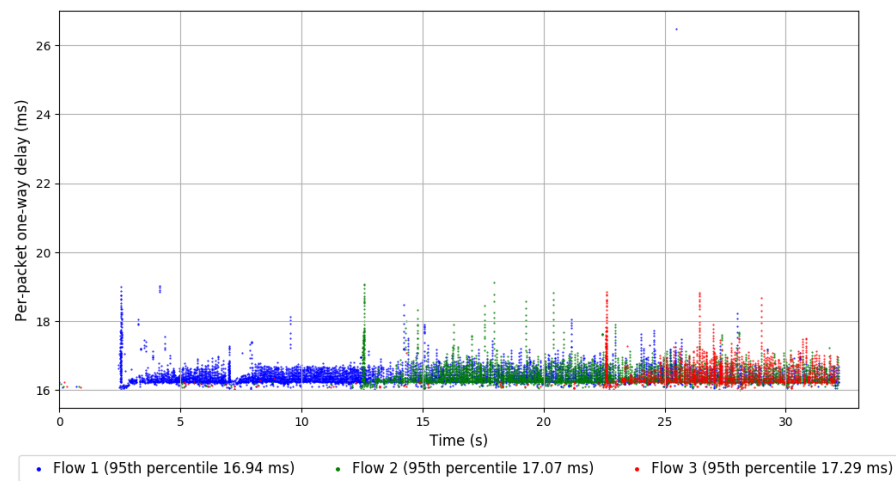
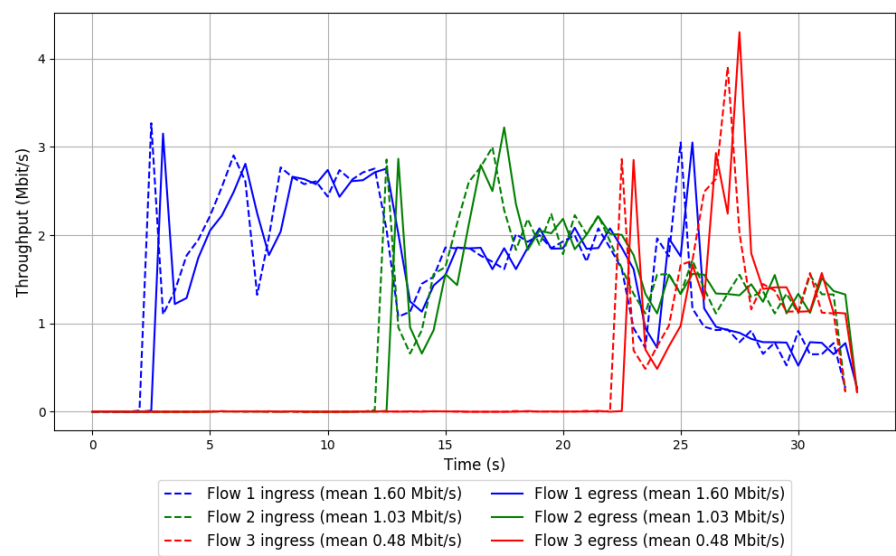


Run 2: Statistics of WebRTC media

Start at: 2018-07-18 09:24:23
End at: 2018-07-18 09:24:53
Local clock offset: -0.96 ms
Remote clock offset: -5.495 ms

Below is generated by plot.py at 2018-07-18 13:03:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.11 Mbit/s
95th percentile per-packet one-way delay: 17.057 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 16.940 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.03 Mbit/s
95th percentile per-packet one-way delay: 17.073 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 17.289 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

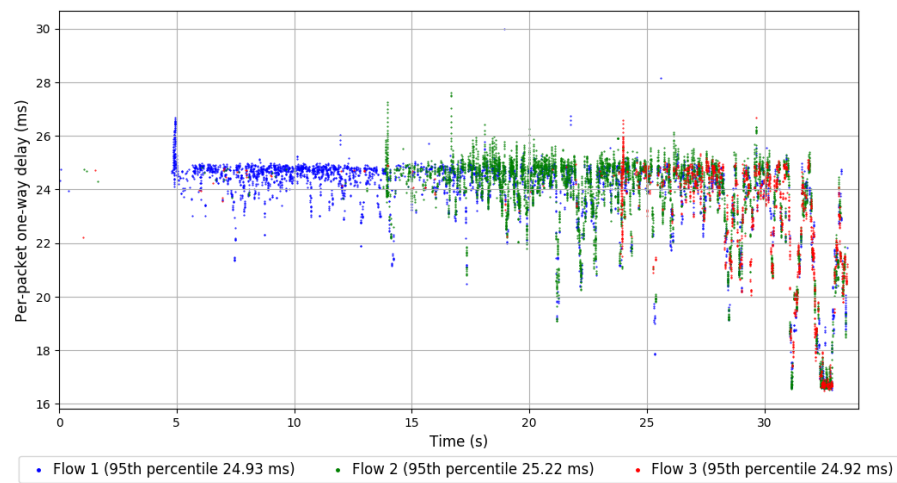
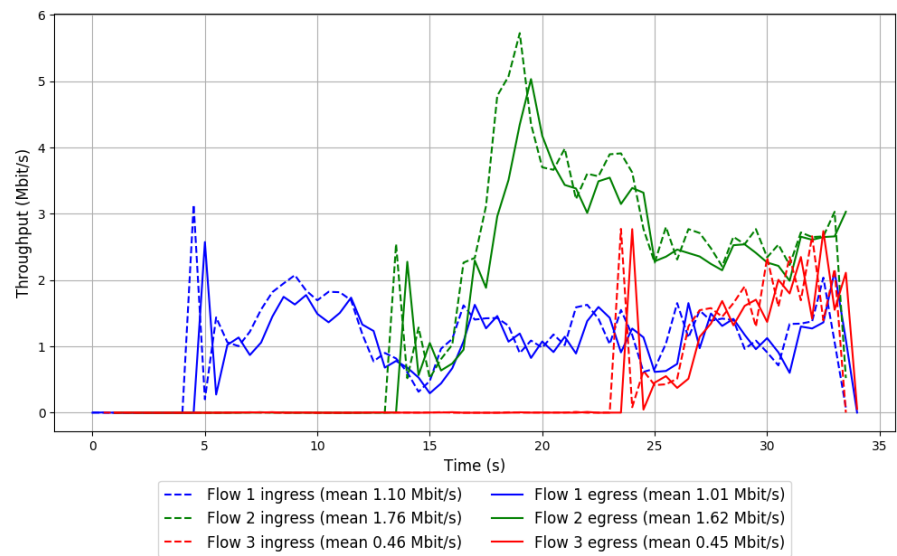


Run 3: Statistics of WebRTC media

Start at: 2018-07-18 09:52:51
End at: 2018-07-18 09:53:21
Local clock offset: -0.958 ms
Remote clock offset: -5.912 ms

Below is generated by plot.py at 2018-07-18 13:03:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.00 Mbit/s
95th percentile per-packet one-way delay: 25.118 ms
Loss rate: 7.96%
-- Flow 1:
Average throughput: 1.01 Mbit/s
95th percentile per-packet one-way delay: 24.928 ms
Loss rate: 9.06%
-- Flow 2:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 25.216 ms
Loss rate: 8.56%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 24.921 ms
Loss rate: 2.92%

Run 3: Report of WebRTC media — Data Link

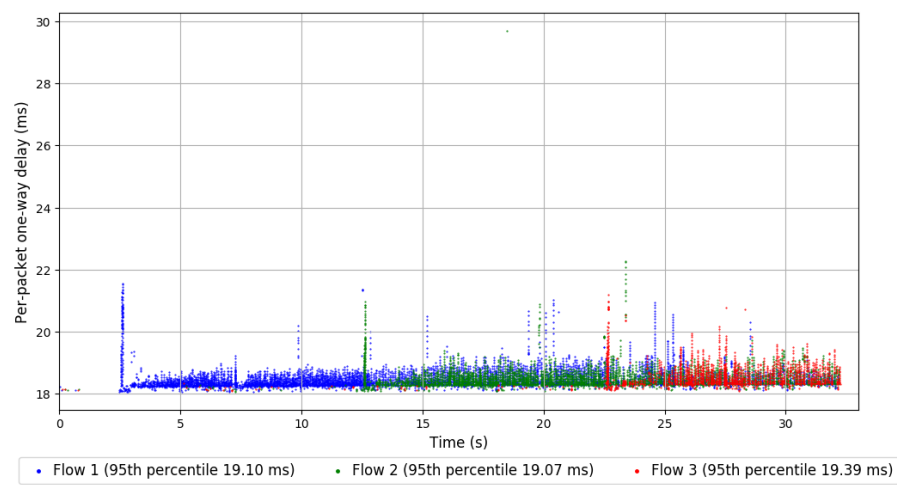
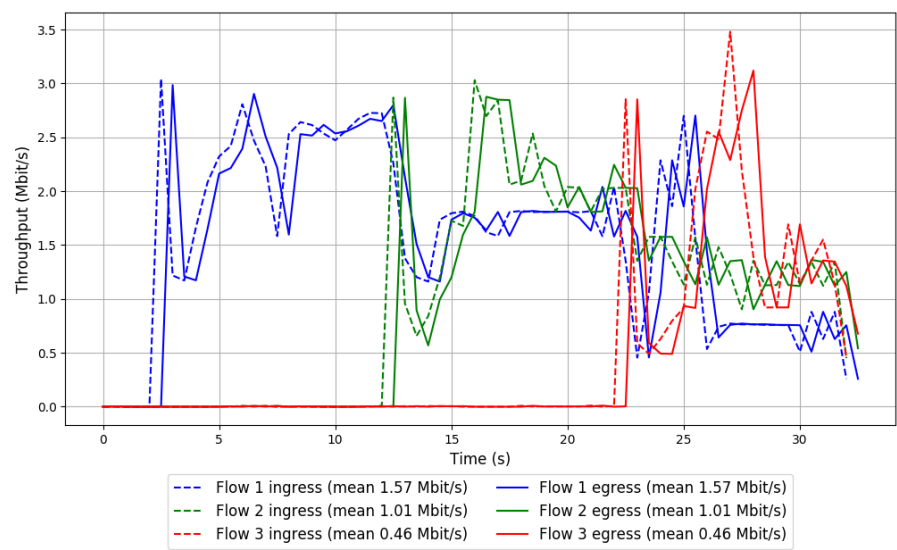


Run 4: Statistics of WebRTC media

Start at: 2018-07-18 10:13:31
End at: 2018-07-18 10:14:01
Local clock offset: 1.596 ms
Remote clock offset: -4.433 ms

Below is generated by plot.py at 2018-07-18 13:03:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.03 Mbit/s
95th percentile per-packet one-way delay: 19.138 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 1.57 Mbit/s
95th percentile per-packet one-way delay: 19.096 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 1.01 Mbit/s
95th percentile per-packet one-way delay: 19.070 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 19.386 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

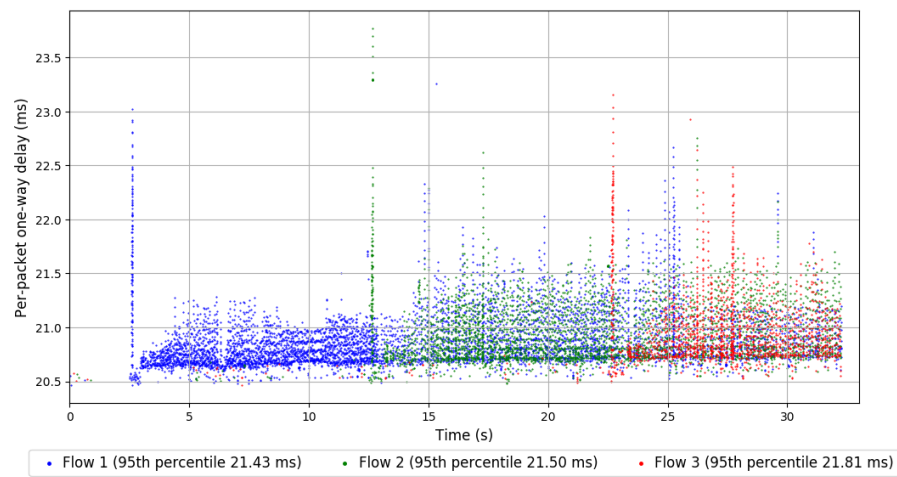
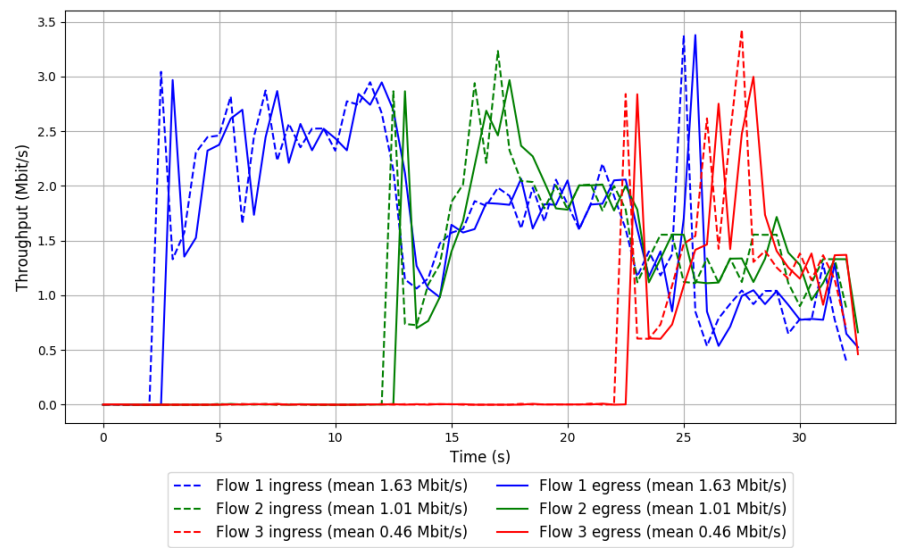


Run 5: Statistics of WebRTC media

Start at: 2018-07-18 10:34:06
End at: 2018-07-18 10:34:36
Local clock offset: 2.452 ms
Remote clock offset: -3.113 ms

Below is generated by plot.py at 2018-07-18 13:03:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.09 Mbit/s
95th percentile per-packet one-way delay: 21.507 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 21.426 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.01 Mbit/s
95th percentile per-packet one-way delay: 21.498 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 21.811 ms
Loss rate: 0.78%

Run 5: Report of WebRTC media — Data Link

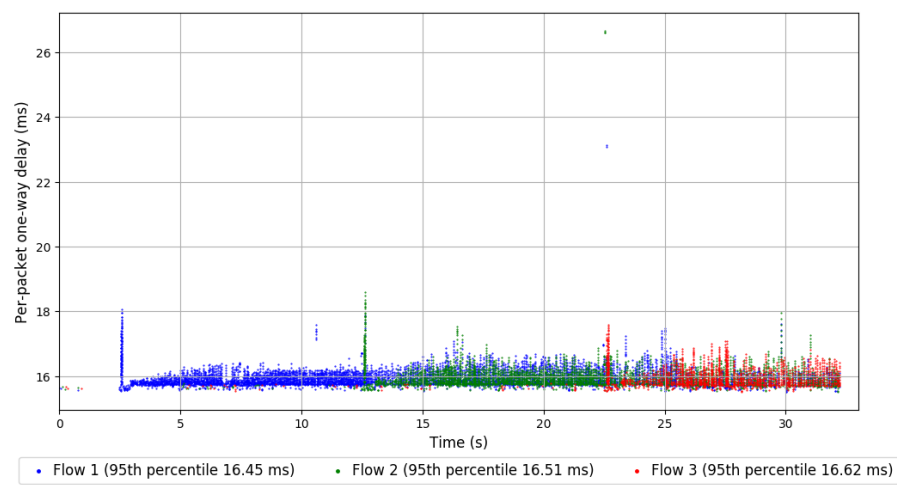
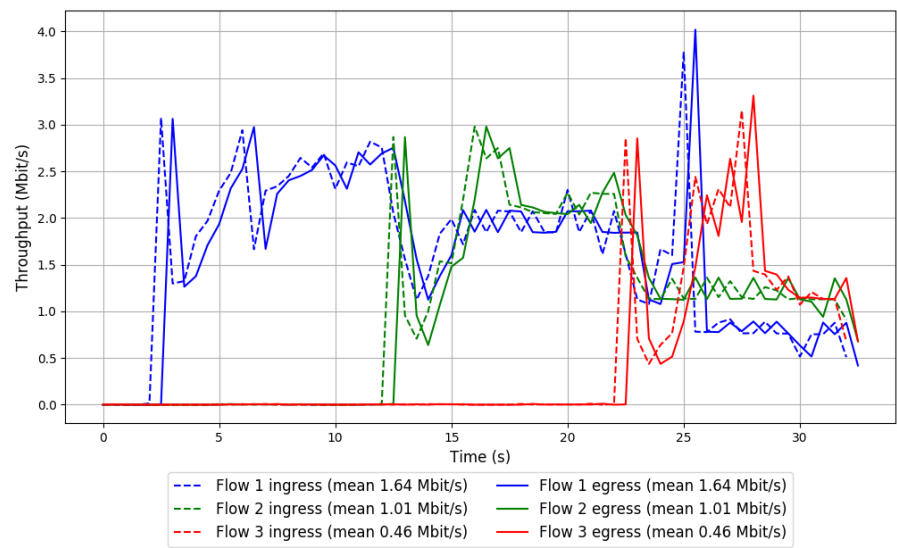


Run 6: Statistics of WebRTC media

Start at: 2018-07-18 10:54:23
End at: 2018-07-18 10:54:53
Local clock offset: -1.467 ms
Remote clock offset: -0.538 ms

Below is generated by plot.py at 2018-07-18 13:03:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.10 Mbit/s
95th percentile per-packet one-way delay: 16.508 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 1.64 Mbit/s
95th percentile per-packet one-way delay: 16.445 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 1.01 Mbit/s
95th percentile per-packet one-way delay: 16.514 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 16.620 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

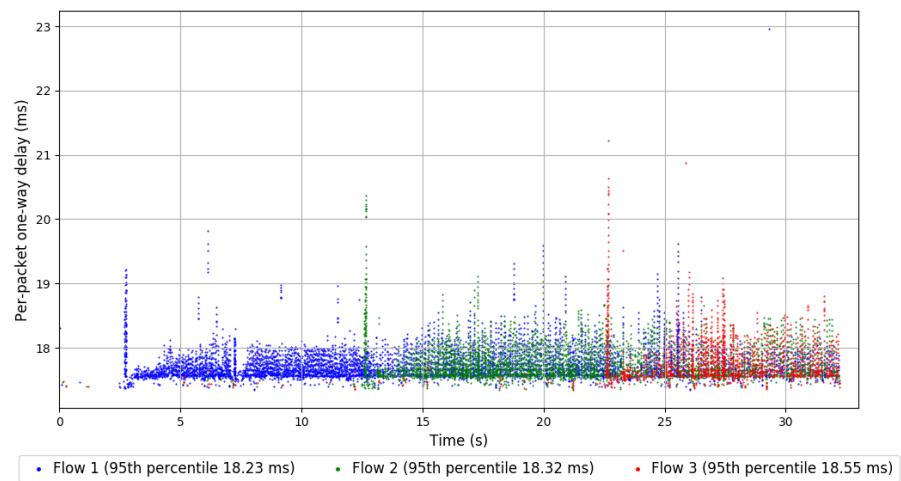
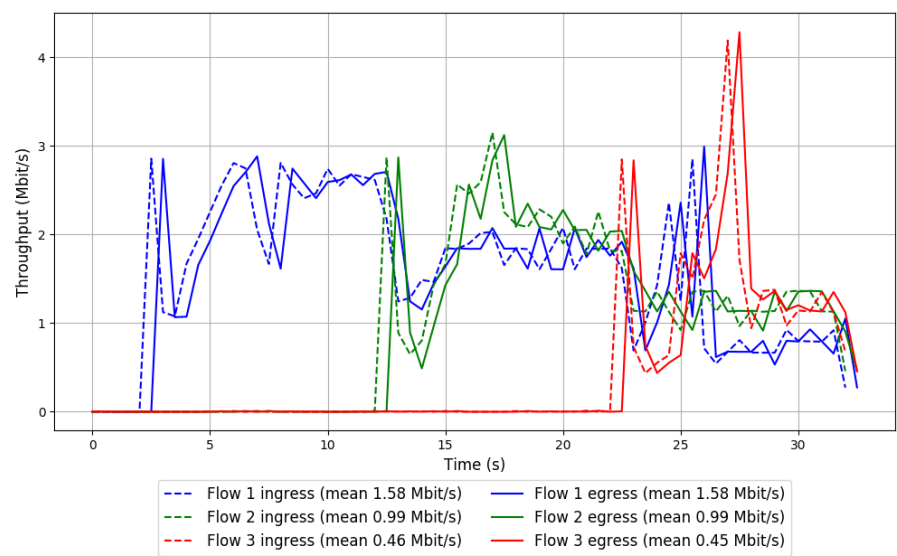


Run 7: Statistics of WebRTC media

Start at: 2018-07-18 11:14:51
End at: 2018-07-18 11:15:21
Local clock offset: 1.483 ms
Remote clock offset: -1.139 ms

Below is generated by plot.py at 2018-07-18 13:03:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.02 Mbit/s
95th percentile per-packet one-way delay: 18.319 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 18.233 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 18.318 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 18.554 ms
Loss rate: 0.77%

Run 7: Report of WebRTC media — Data Link

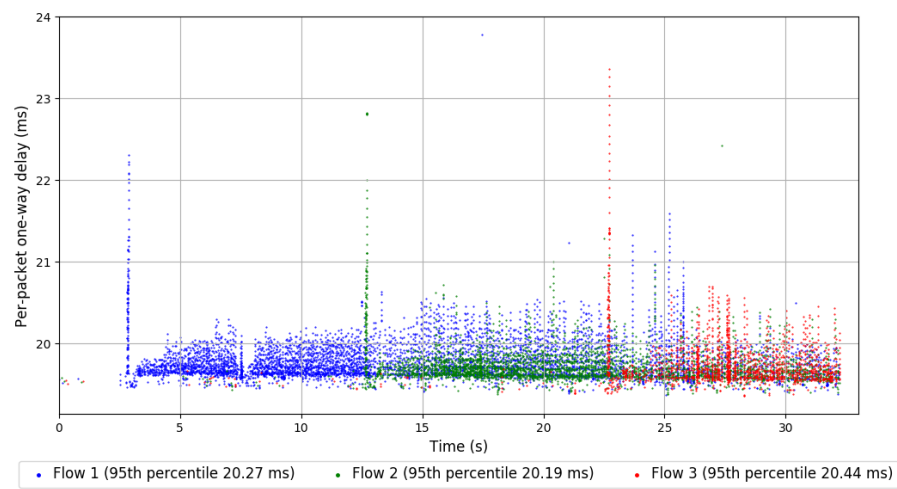
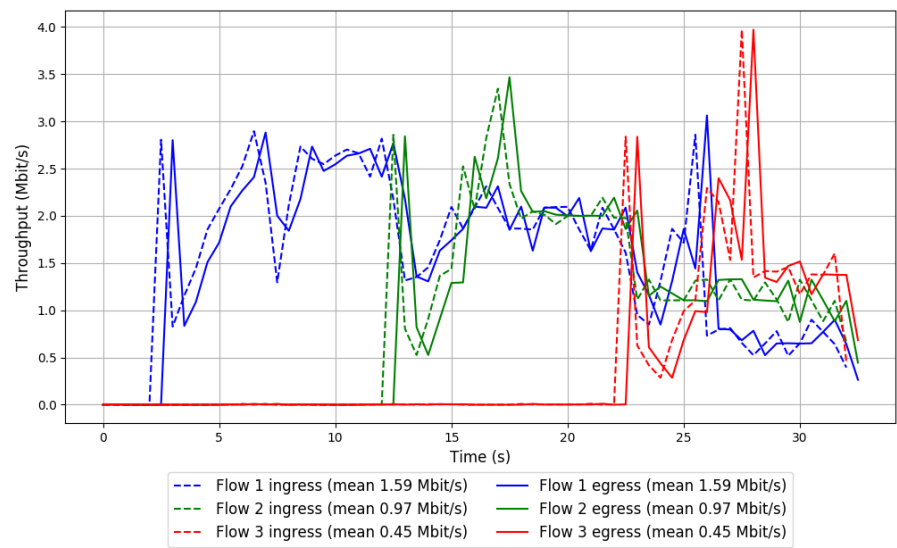


Run 8: Statistics of WebRTC media

Start at: 2018-07-18 11:35:24
End at: 2018-07-18 11:35:54
Local clock offset: 1.844 ms
Remote clock offset: -5.354 ms

Below is generated by plot.py at 2018-07-18 13:03:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.00 Mbit/s
95th percentile per-packet one-way delay: 20.281 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: 20.269 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 20.187 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 20.441 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

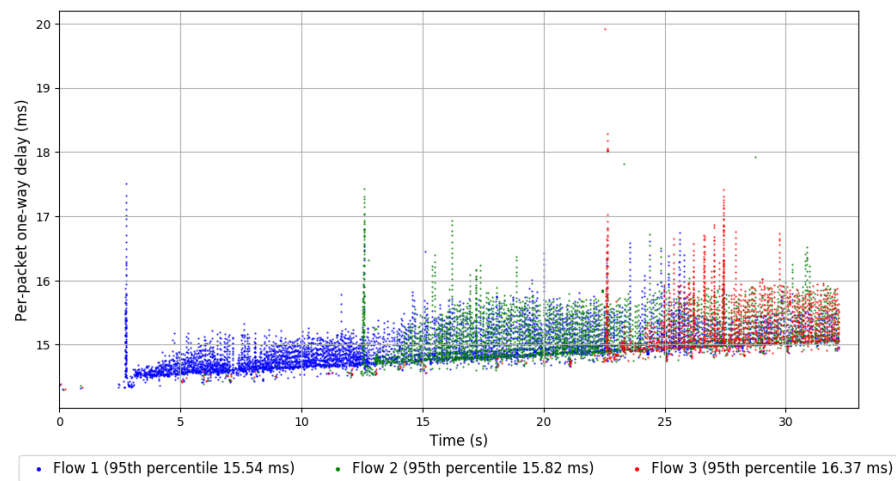
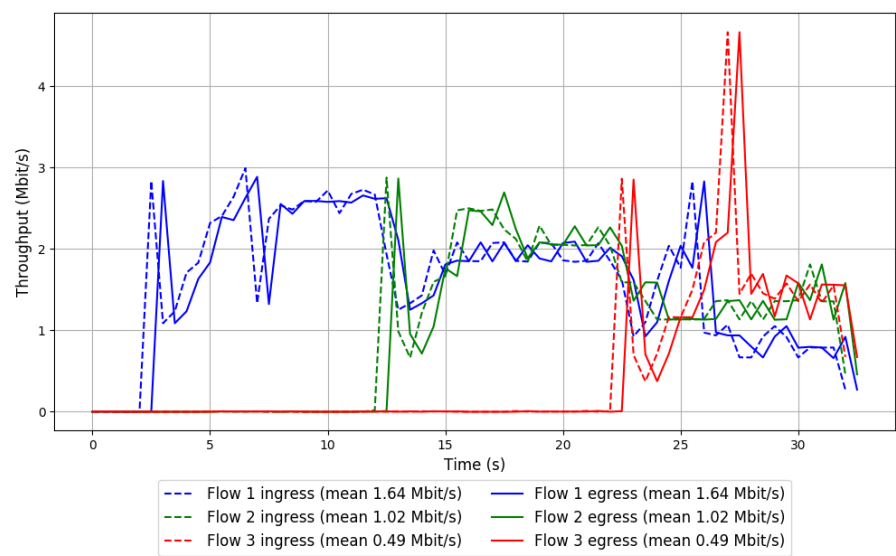


Run 9: Statistics of WebRTC media

Start at: 2018-07-18 11:55:43
End at: 2018-07-18 11:56:13
Local clock offset: -2.215 ms
Remote clock offset: -8.942 ms

Below is generated by plot.py at 2018-07-18 13:03:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.15 Mbit/s
95th percentile per-packet one-way delay: 15.821 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.64 Mbit/s
95th percentile per-packet one-way delay: 15.535 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 15.821 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 16.371 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-18 12:16:08

End at: 2018-07-18 12:16:38

Local clock offset: 1.384 ms

Remote clock offset: 0.899 ms

Below is generated by plot.py at 2018-07-18 13:03:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.07 Mbit/s

95th percentile per-packet one-way delay: 19.101 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.63 Mbit/s

95th percentile per-packet one-way delay: 18.994 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.01 Mbit/s

95th percentile per-packet one-way delay: 19.135 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 19.471 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

