

Pantheon Report

Generated at 2018-07-04 17:49:22 (UTC).

Data path: Stanford Ethernet (*remote*) → AWS California 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.

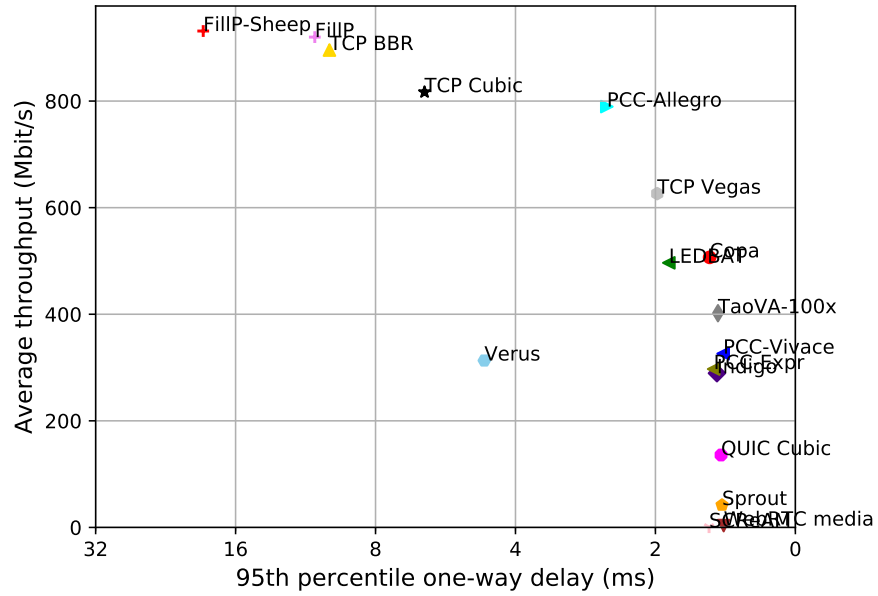
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

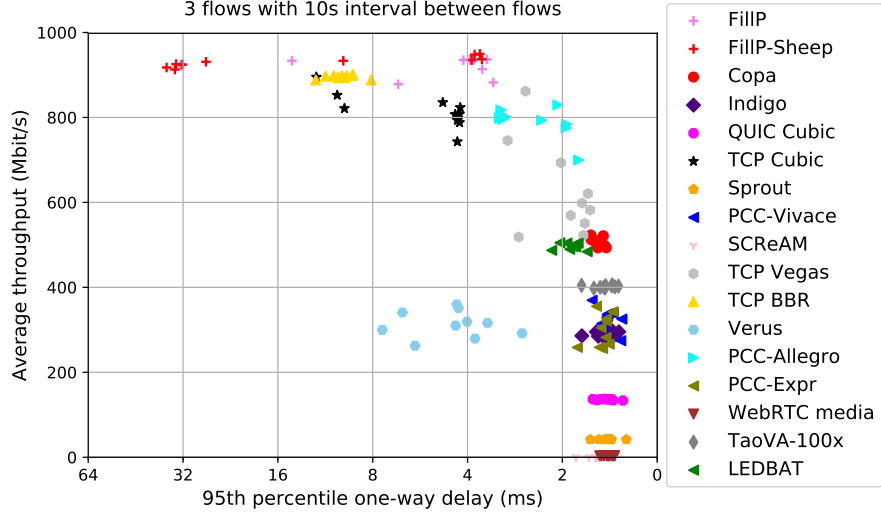
Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfc58e562f4
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-quick @ 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 Stanford to AWS California 1, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



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



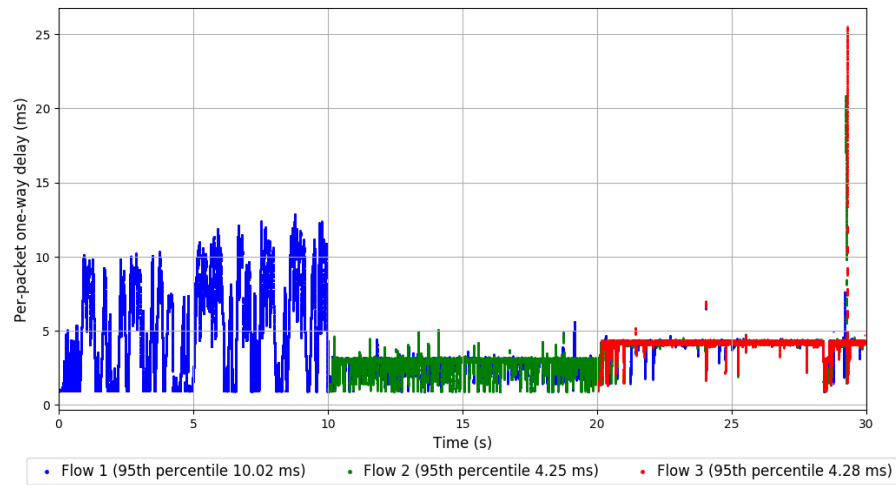
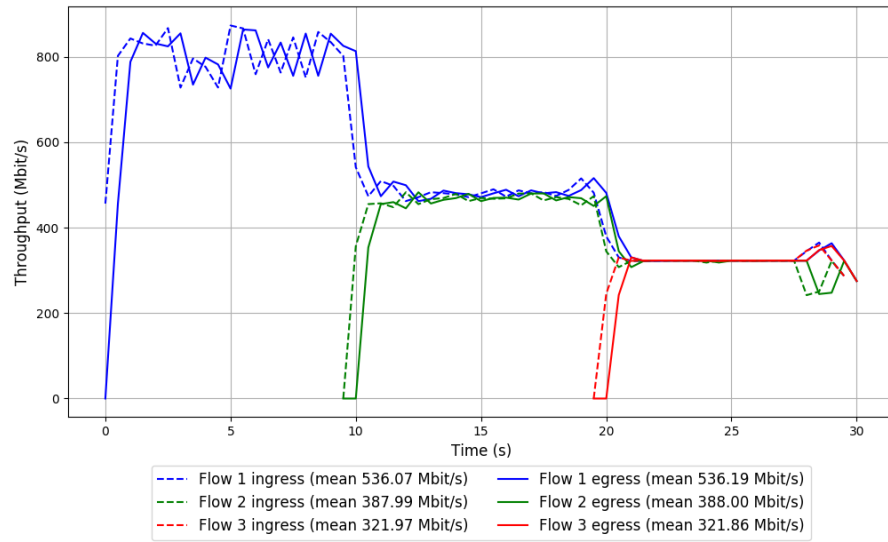
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	525.08	395.37	323.42	10.54	4.33	4.38	0.05	0.09	0.22
Copa	10	307.45	229.98	139.39	1.20	1.30	1.26	0.03	0.05	0.23
TCP Cubic	10	451.81	390.45	316.10	6.96	4.41	4.51	0.05	0.10	0.22
FillP	10	562.32	388.47	299.81	11.78	4.19	4.55	0.31	0.09	0.23
FillP-Sheep	10	562.31	397.85	315.89	22.26	3.75	3.86	0.96	0.09	0.22
Indigo	10	155.14	149.62	105.69	1.11	1.13	1.17	0.05	0.09	0.17
LEDBAT	10	297.99	217.83	161.23	1.73	1.95	1.82	0.04	0.05	0.27
PCC-Allegro	10	608.98	216.81	111.45	2.54	2.41	1.95	0.02	0.10	0.26
PCC-Expr	10	211.52	101.11	56.02	1.16	1.22	1.11	0.02	0.07	0.25
QUIC Cubic	10	74.80	65.14	53.74	1.06	1.06	1.06	0.04	0.09	0.22
SCReAM	10	0.22	0.22	0.22	1.23	1.22	1.22	0.10	0.13	0.28
Sprout	10	21.01	21.18	21.15	1.05	1.04	1.02	0.07	0.11	0.24
TaoVA-100x	10	227.43	200.54	123.79	1.06	1.11	1.35	0.04	0.06	0.15
TCP Vegas	10	307.15	309.57	340.20	1.77	2.05	1.95	0.04	0.08	0.21
Verus	10	184.64	138.95	111.72	5.62	2.46	2.03	0.03	0.06	0.22
PCC-Vivace	10	239.61	96.14	68.52	1.03	1.03	1.02	0.03	0.10	0.25
WebRTC media	10	1.68	1.19	0.53	1.02	1.03	1.01	0.03	0.08	0.25

Run 1: Statistics of TCP BBR

Start at: 2018-07-04 11:00:35
End at: 2018-07-04 11:01:05
Local clock offset: 4.204 ms
Remote clock offset: -0.125 ms

Below is generated by plot.py at 2018-07-04 15:47:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 901.50 Mbit/s
95th percentile per-packet one-way delay: 9.253 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 536.19 Mbit/s
95th percentile per-packet one-way delay: 10.020 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 388.00 Mbit/s
95th percentile per-packet one-way delay: 4.251 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 321.86 Mbit/s
95th percentile per-packet one-way delay: 4.279 ms
Loss rate: 0.22%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-04 11:27:30

End at: 2018-07-04 11:28:00

Local clock offset: -0.274 ms

Remote clock offset: 4.42 ms

Below is generated by plot.py at 2018-07-04 15:47:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 888.44 Mbit/s

95th percentile per-packet one-way delay: 8.088 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 517.54 Mbit/s

95th percentile per-packet one-way delay: 8.869 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 396.84 Mbit/s

95th percentile per-packet one-way delay: 4.460 ms

Loss rate: 0.09%

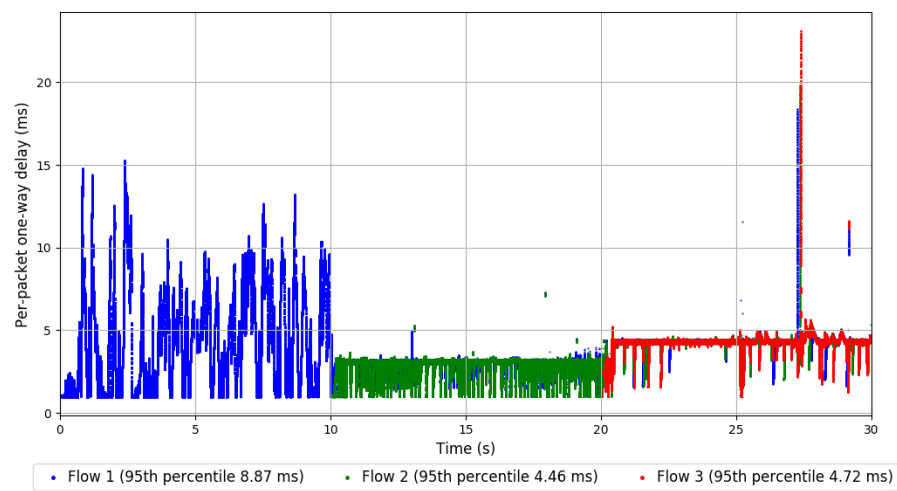
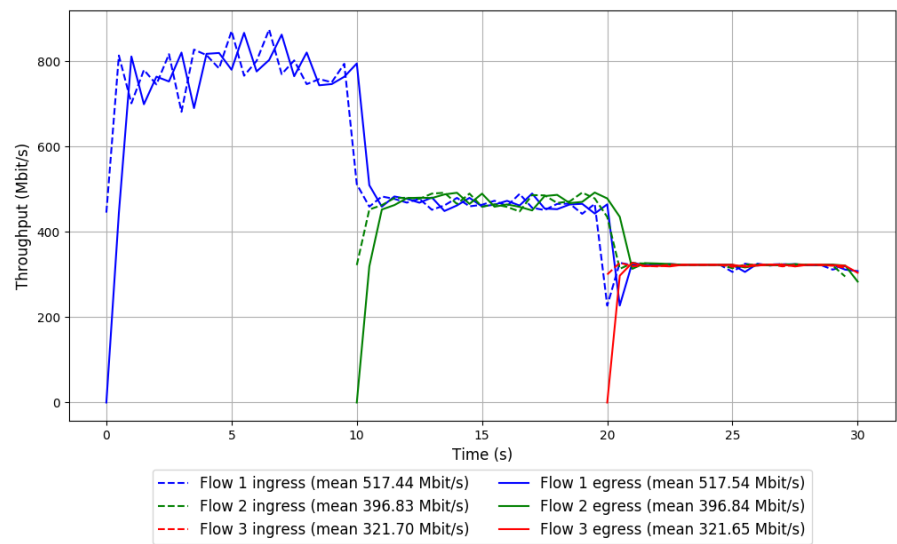
-- Flow 3:

Average throughput: 321.65 Mbit/s

95th percentile per-packet one-way delay: 4.725 ms

Loss rate: 0.23%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-04 11:54:27

End at: 2018-07-04 11:54:57

Local clock offset: -0.47 ms

Remote clock offset: 0.748 ms

Below is generated by plot.py at 2018-07-04 15:47:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 897.15 Mbit/s

95th percentile per-packet one-way delay: 11.287 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 522.86 Mbit/s

95th percentile per-packet one-way delay: 11.749 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 400.07 Mbit/s

95th percentile per-packet one-way delay: 4.264 ms

Loss rate: 0.08%

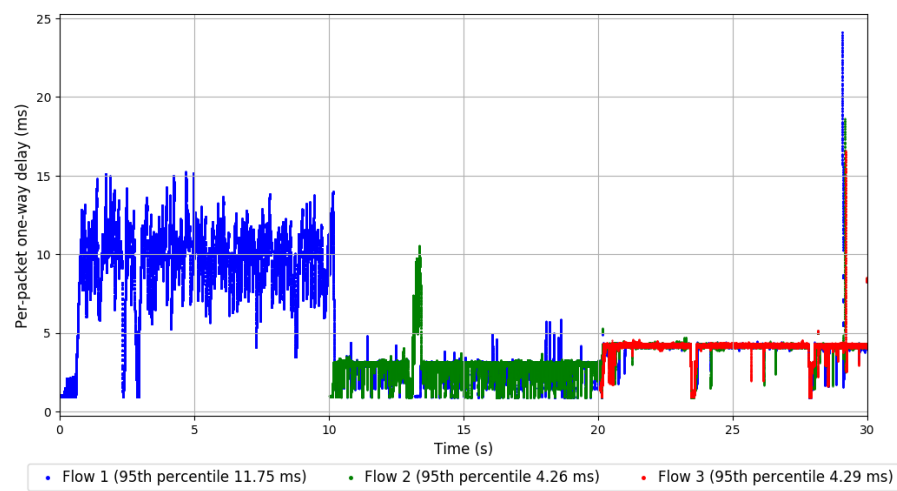
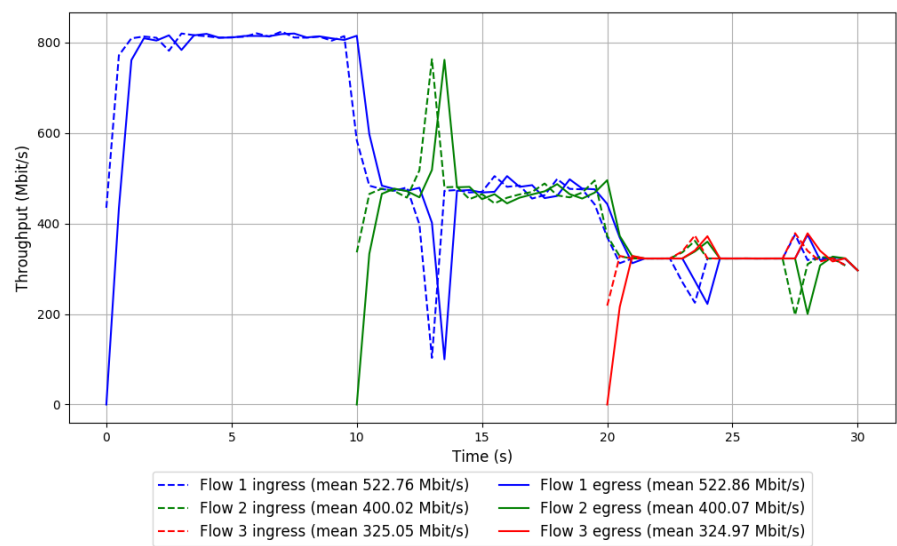
-- Flow 3:

Average throughput: 324.97 Mbit/s

95th percentile per-packet one-way delay: 4.286 ms

Loss rate: 0.22%

Run 3: Report of TCP BBR — Data Link

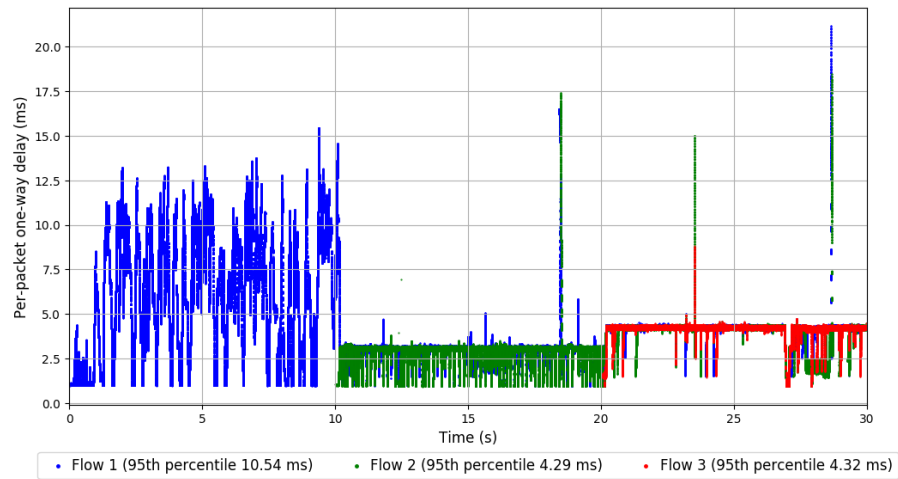
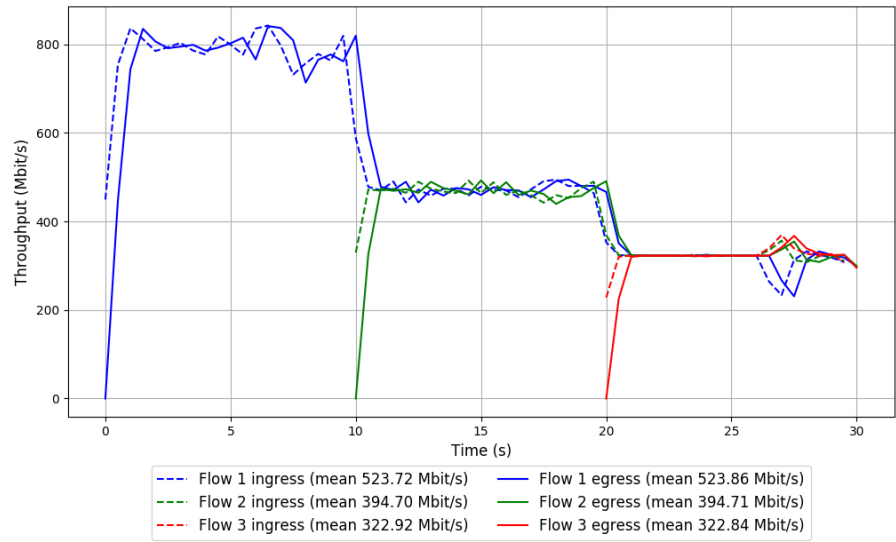


Run 4: Statistics of TCP BBR

Start at: 2018-07-04 12:21:17
End at: 2018-07-04 12:21:47
Local clock offset: 3.595 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-04 15:47:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 893.81 Mbit/s
95th percentile per-packet one-way delay: 9.832 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 523.86 Mbit/s
95th percentile per-packet one-way delay: 10.537 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 394.71 Mbit/s
95th percentile per-packet one-way delay: 4.290 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 322.84 Mbit/s
95th percentile per-packet one-way delay: 4.317 ms
Loss rate: 0.23%

Run 4: Report of TCP BBR — Data Link

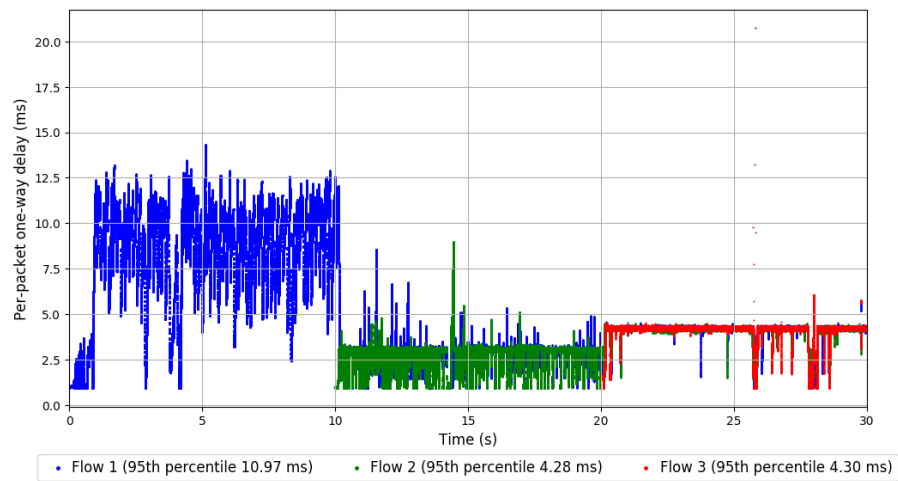
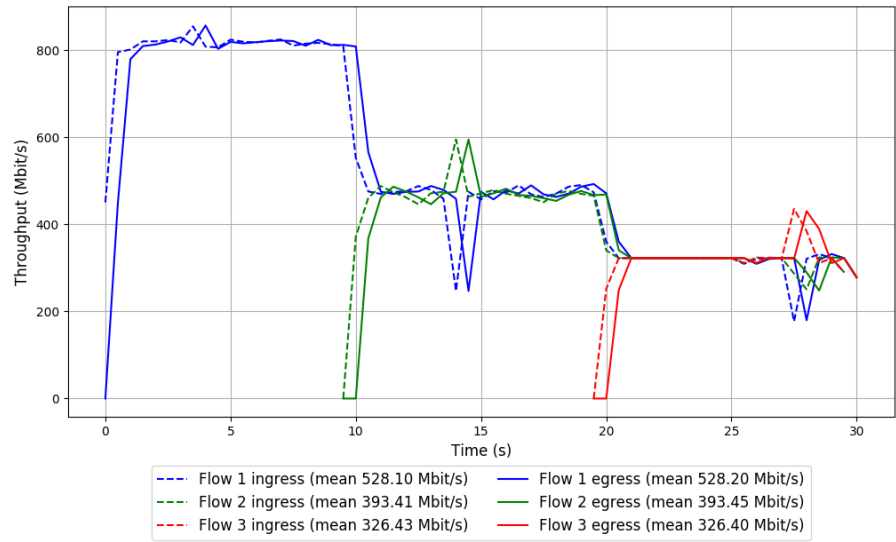


Run 5: Statistics of TCP BBR

Start at: 2018-07-04 12:48:21
End at: 2018-07-04 12:48:51
Local clock offset: 5.052 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-04 15:47:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 898.84 Mbit/s
95th percentile per-packet one-way delay: 10.635 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 528.20 Mbit/s
95th percentile per-packet one-way delay: 10.972 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 393.45 Mbit/s
95th percentile per-packet one-way delay: 4.282 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 326.40 Mbit/s
95th percentile per-packet one-way delay: 4.304 ms
Loss rate: 0.22%

Run 5: Report of TCP BBR — Data Link

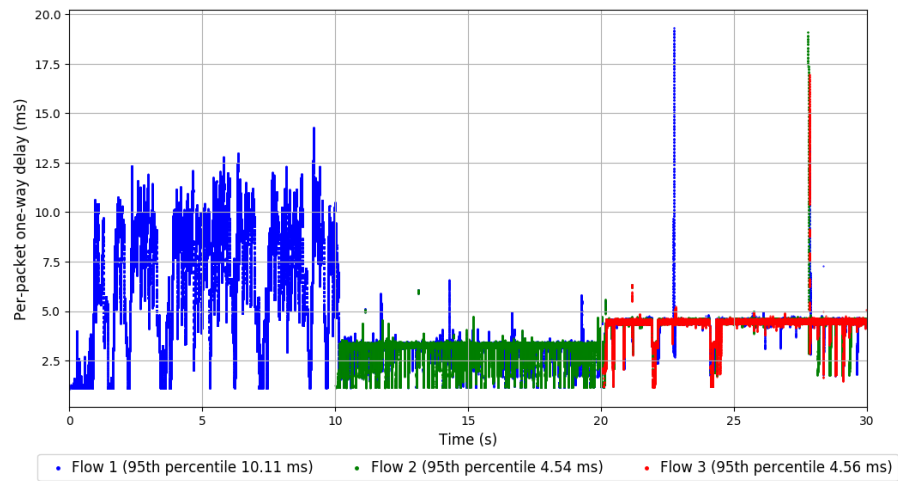
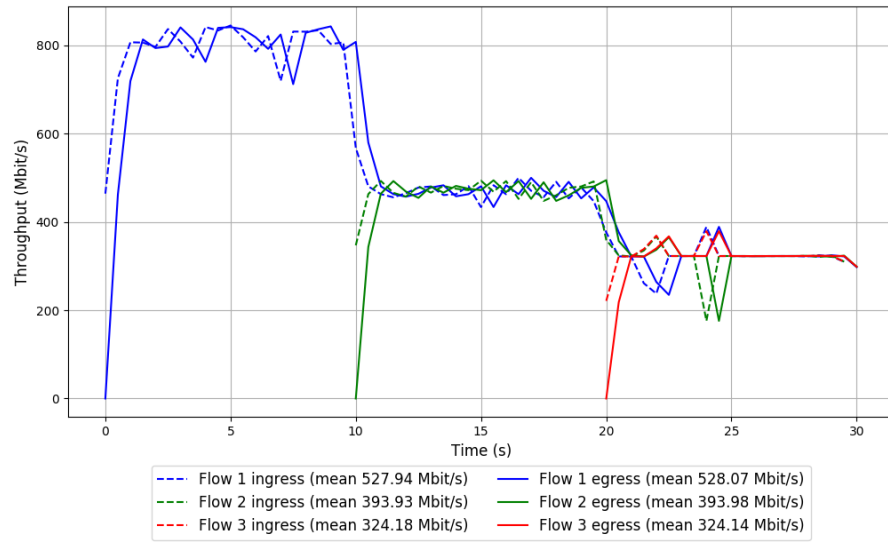


Run 6: Statistics of TCP BBR

Start at: 2018-07-04 13:15:23
End at: 2018-07-04 13:15:53
Local clock offset: 0.95 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-07-04 15:47:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 897.94 Mbit/s
95th percentile per-packet one-way delay: 9.662 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 528.07 Mbit/s
95th percentile per-packet one-way delay: 10.110 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 393.98 Mbit/s
95th percentile per-packet one-way delay: 4.539 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 324.14 Mbit/s
95th percentile per-packet one-way delay: 4.556 ms
Loss rate: 0.22%

Run 6: Report of TCP BBR — Data Link

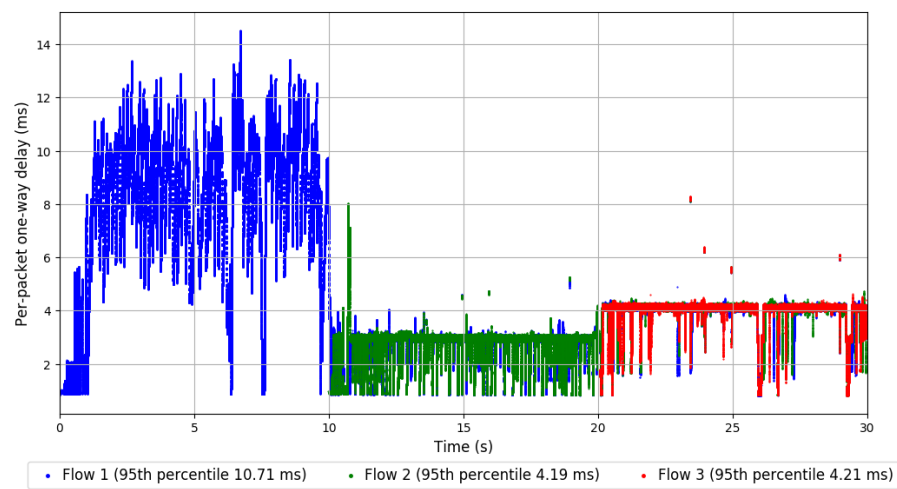
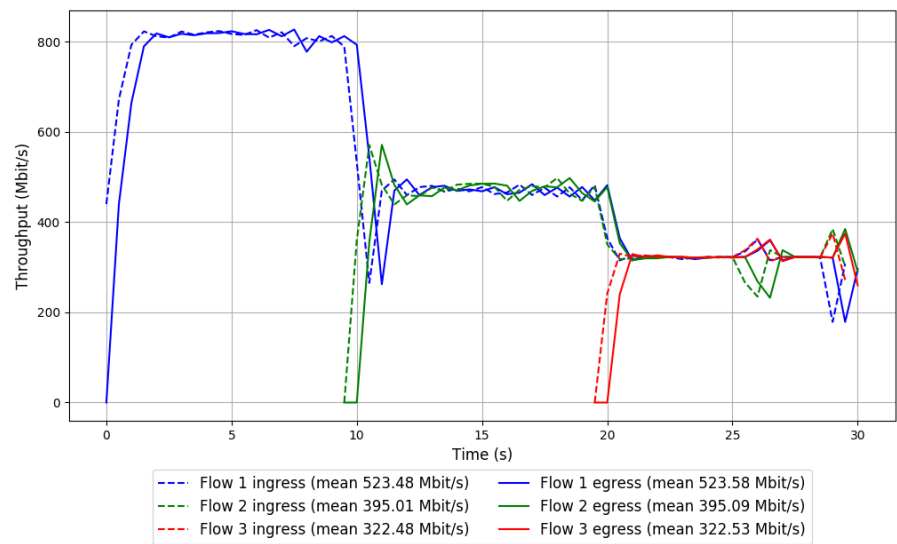


Run 7: Statistics of TCP BBR

Start at: 2018-07-04 13:42:26
End at: 2018-07-04 13:42:56
Local clock offset: 1.815 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-07-04 15:47:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 894.03 Mbit/s
95th percentile per-packet one-way delay: 10.332 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 523.58 Mbit/s
95th percentile per-packet one-way delay: 10.707 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 395.09 Mbit/s
95th percentile per-packet one-way delay: 4.193 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 322.53 Mbit/s
95th percentile per-packet one-way delay: 4.214 ms
Loss rate: 0.22%

Run 7: Report of TCP BBR — Data Link

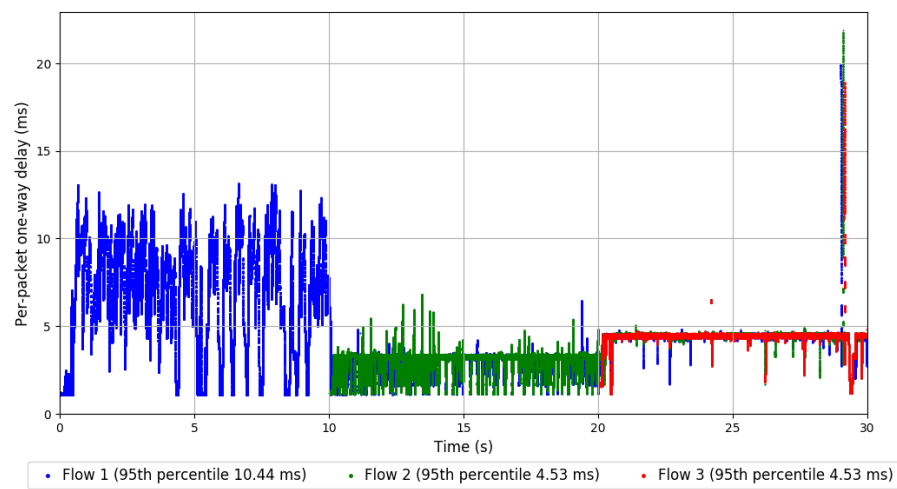
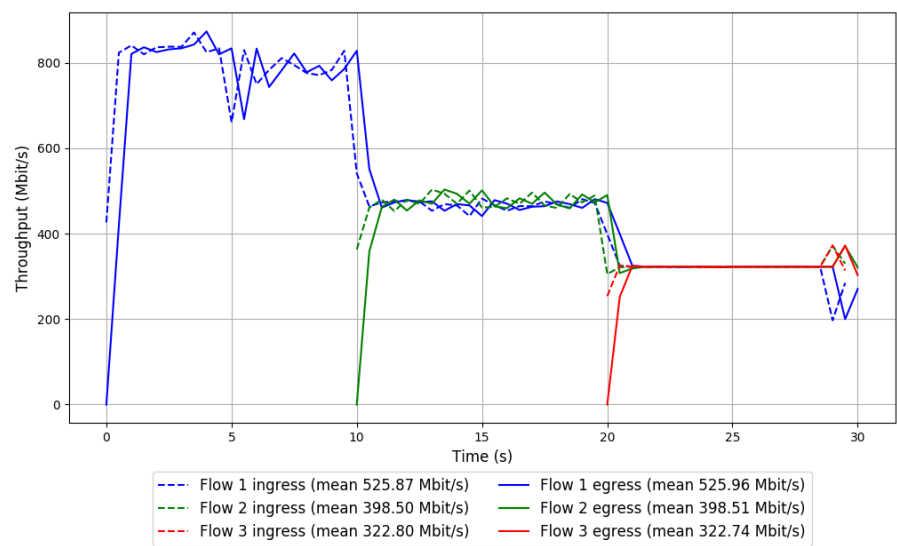


Run 8: Statistics of TCP BBR

Start at: 2018-07-04 14:09:33
End at: 2018-07-04 14:10:03
Local clock offset: 1.589 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-04 15:47:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 898.40 Mbit/s
95th percentile per-packet one-way delay: 10.026 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 525.96 Mbit/s
95th percentile per-packet one-way delay: 10.435 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 398.51 Mbit/s
95th percentile per-packet one-way delay: 4.528 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 322.74 Mbit/s
95th percentile per-packet one-way delay: 4.534 ms
Loss rate: 0.22%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-04 14:36:35

End at: 2018-07-04 14:37:05

Local clock offset: -0.335 ms

Remote clock offset: 1.868 ms

Below is generated by plot.py at 2018-07-04 15:57:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 888.28 Mbit/s

95th percentile per-packet one-way delay: 12.118 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 515.53 Mbit/s

95th percentile per-packet one-way delay: 12.379 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 397.60 Mbit/s

95th percentile per-packet one-way delay: 4.321 ms

Loss rate: 0.09%

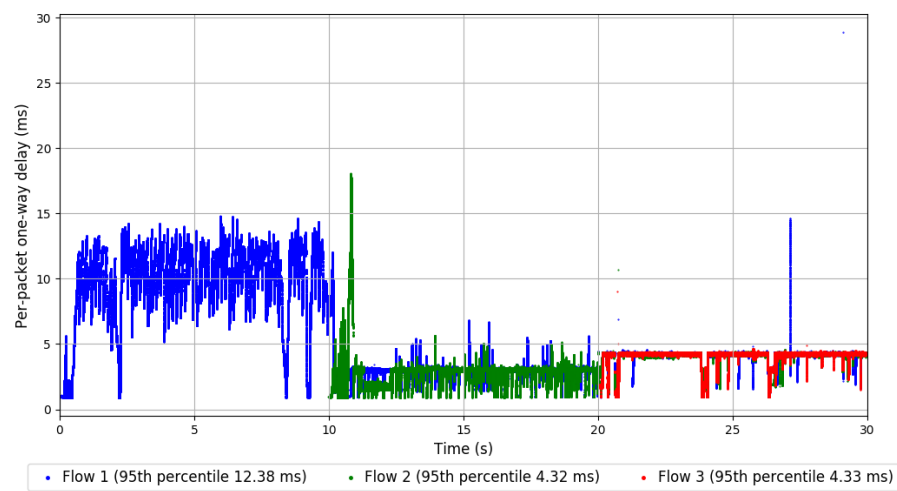
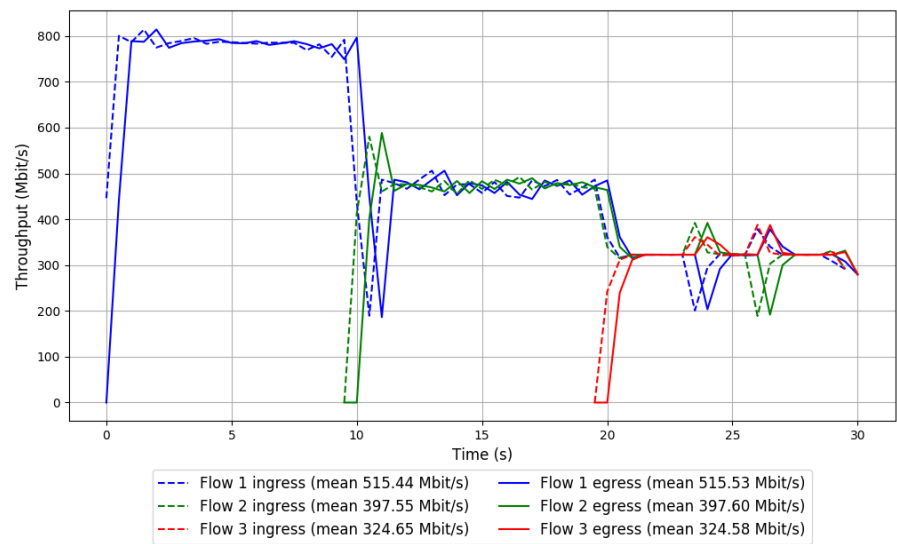
-- Flow 3:

Average throughput: 324.58 Mbit/s

95th percentile per-packet one-way delay: 4.330 ms

Loss rate: 0.22%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-04 15:03:29

End at: 2018-07-04 15:03:59

Local clock offset: -0.033 ms

Remote clock offset: 4.41 ms

Below is generated by plot.py at 2018-07-04 15:57:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 899.28 Mbit/s

95th percentile per-packet one-way delay: 9.277 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 529.02 Mbit/s

95th percentile per-packet one-way delay: 9.585 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 395.45 Mbit/s

95th percentile per-packet one-way delay: 4.213 ms

Loss rate: 0.09%

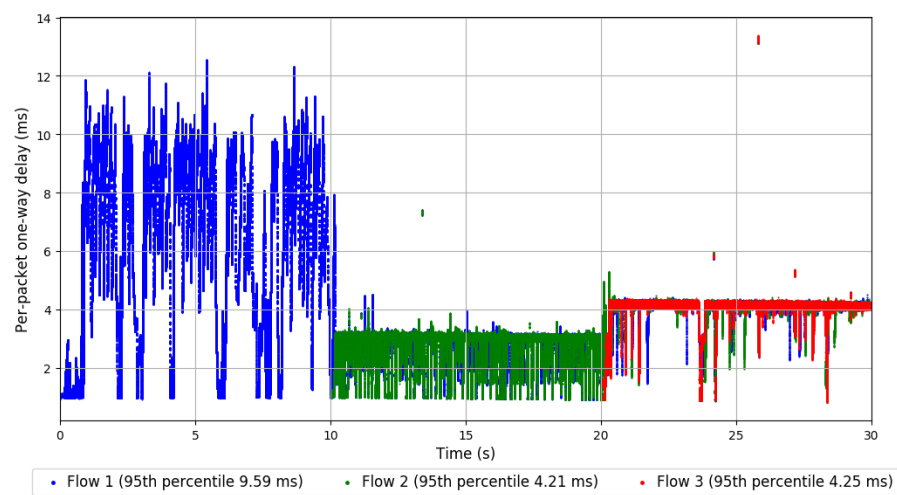
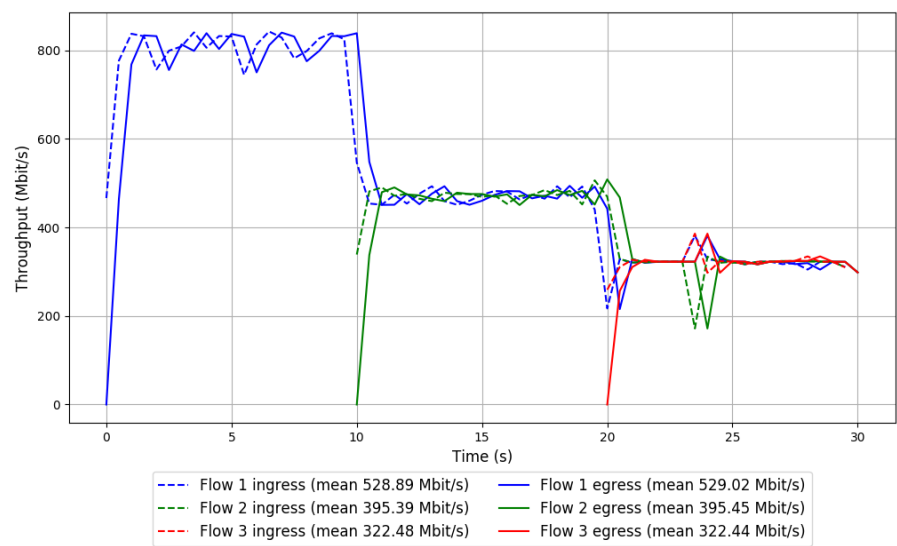
-- Flow 3:

Average throughput: 322.44 Mbit/s

95th percentile per-packet one-way delay: 4.253 ms

Loss rate: 0.22%

Run 10: Report of TCP BBR — Data Link

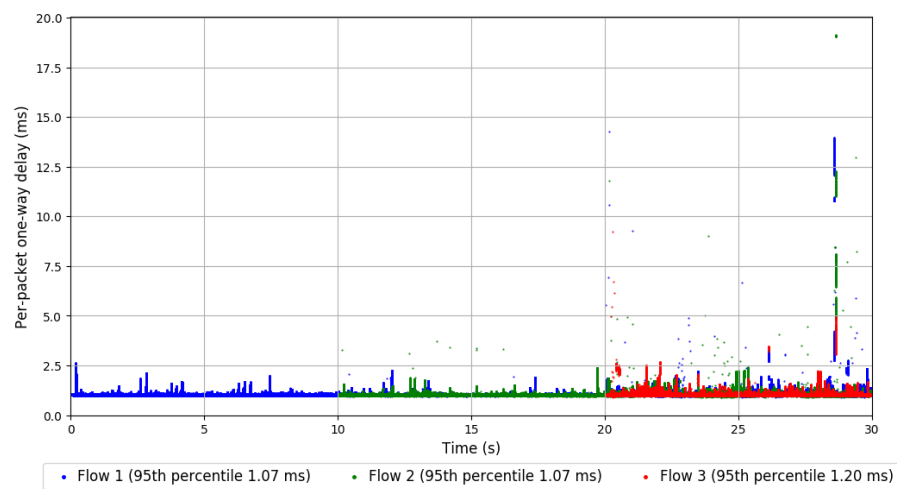
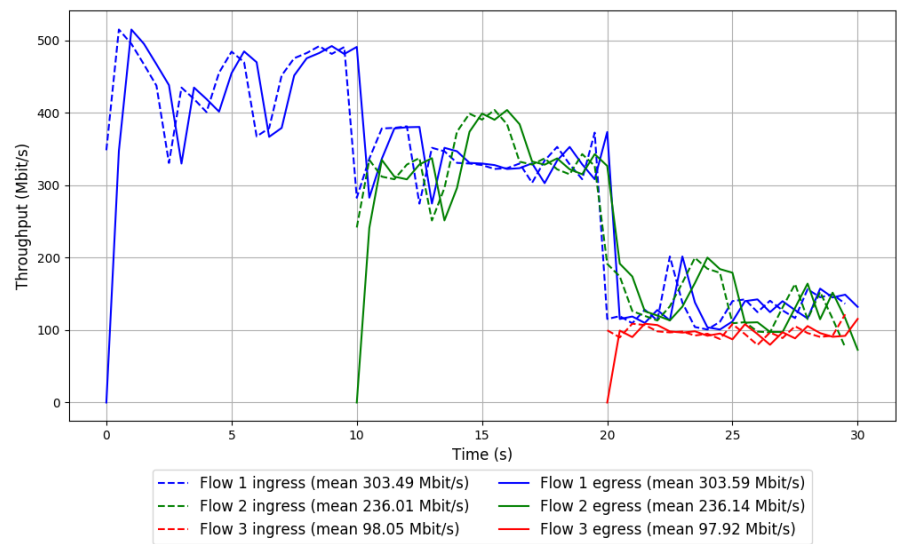


Run 1: Statistics of Copa

Start at: 2018-07-04 10:58:47
End at: 2018-07-04 10:59:17
Local clock offset: 4.087 ms
Remote clock offset: -0.242 ms

Below is generated by plot.py at 2018-07-04 15:57:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 493.20 Mbit/s
95th percentile per-packet one-way delay: 1.074 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 303.59 Mbit/s
95th percentile per-packet one-way delay: 1.066 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 236.14 Mbit/s
95th percentile per-packet one-way delay: 1.069 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 97.92 Mbit/s
95th percentile per-packet one-way delay: 1.200 ms
Loss rate: 0.34%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-04 11:25:43

End at: 2018-07-04 11:26:13

Local clock offset: -0.163 ms

Remote clock offset: 4.09 ms

Below is generated by plot.py at 2018-07-04 15:57:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 492.98 Mbit/s

95th percentile per-packet one-way delay: 1.253 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 304.53 Mbit/s

95th percentile per-packet one-way delay: 1.234 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 213.93 Mbit/s

95th percentile per-packet one-way delay: 1.246 ms

Loss rate: 0.04%

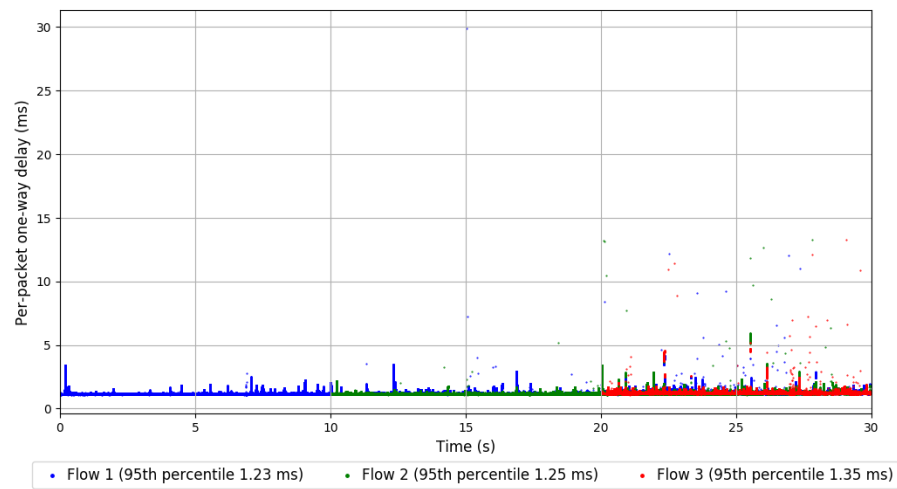
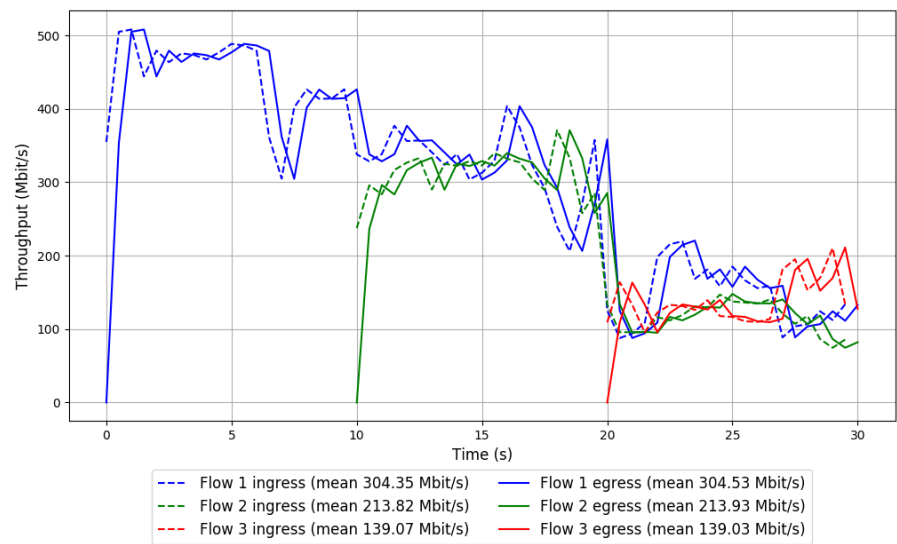
-- Flow 3:

Average throughput: 139.03 Mbit/s

95th percentile per-packet one-way delay: 1.346 ms

Loss rate: 0.24%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-04 11:52:38

End at: 2018-07-04 11:53:08

Local clock offset: -0.365 ms

Remote clock offset: 0.958 ms

Below is generated by plot.py at 2018-07-04 15:58:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 505.21 Mbit/s

95th percentile per-packet one-way delay: 1.173 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 314.13 Mbit/s

95th percentile per-packet one-way delay: 1.242 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 232.93 Mbit/s

95th percentile per-packet one-way delay: 1.091 ms

Loss rate: 0.05%

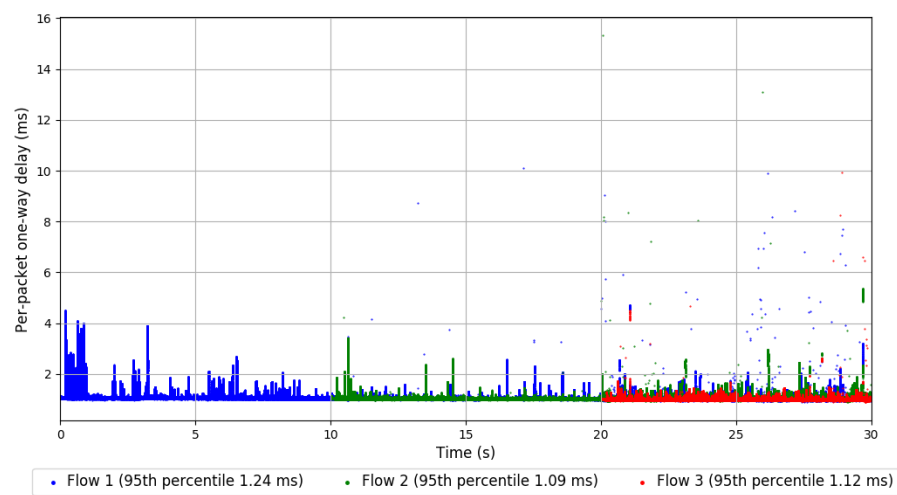
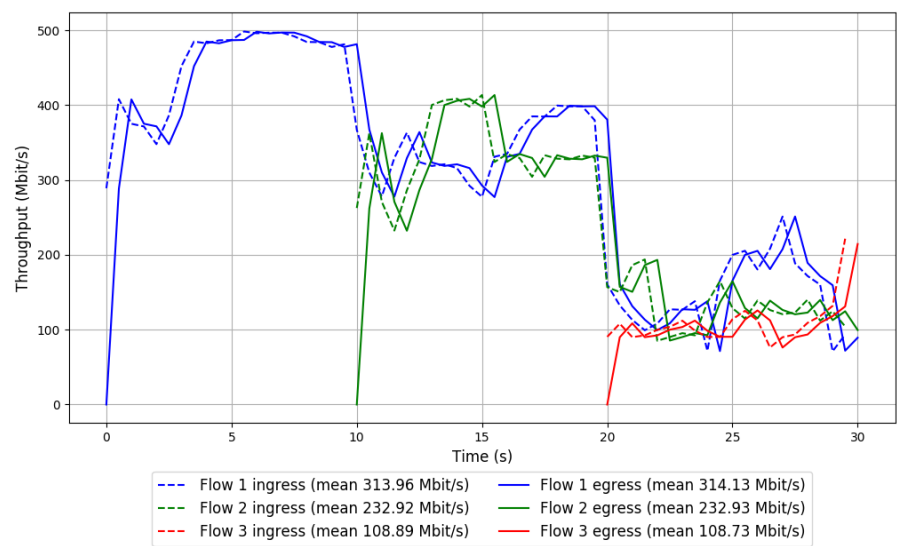
-- Flow 3:

Average throughput: 108.73 Mbit/s

95th percentile per-packet one-way delay: 1.123 ms

Loss rate: 0.36%

Run 3: Report of Copa — Data Link

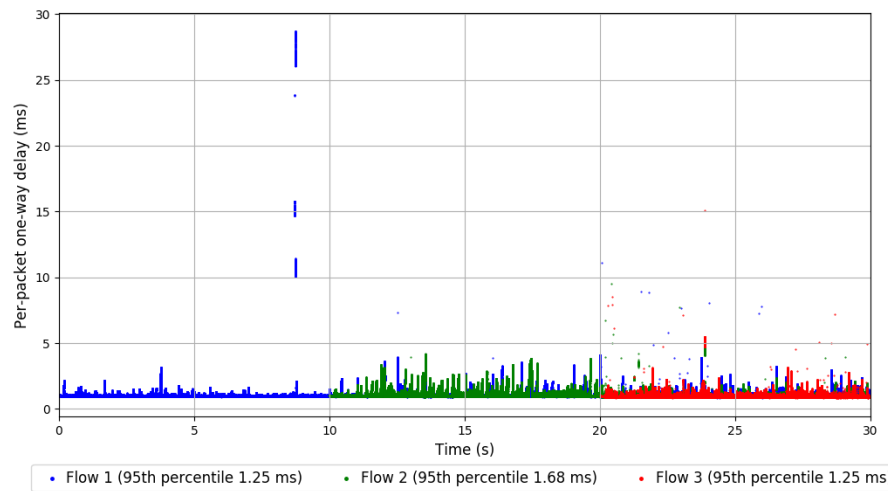
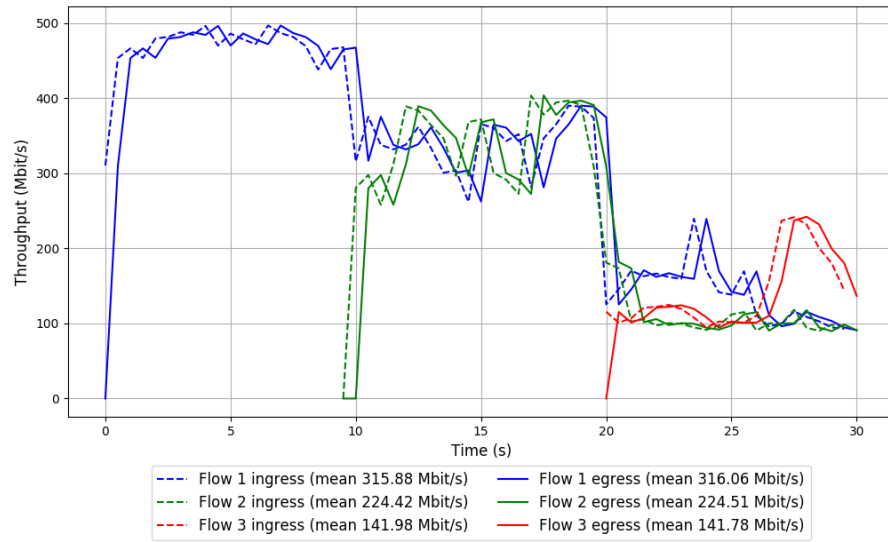


Run 4: Statistics of Copa

Start at: 2018-07-04 12:19:27
End at: 2018-07-04 12:19:57
Local clock offset: 3.428 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-04 15:58:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 512.61 Mbit/s
95th percentile per-packet one-way delay: 1.396 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 316.06 Mbit/s
95th percentile per-packet one-way delay: 1.254 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 224.51 Mbit/s
95th percentile per-packet one-way delay: 1.679 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 141.78 Mbit/s
95th percentile per-packet one-way delay: 1.250 ms
Loss rate: 0.30%

Run 4: Report of Copa — Data Link

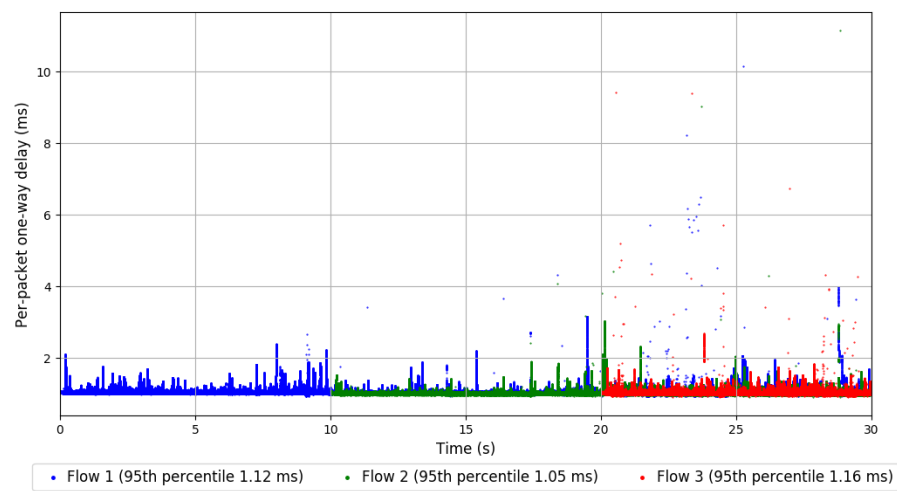
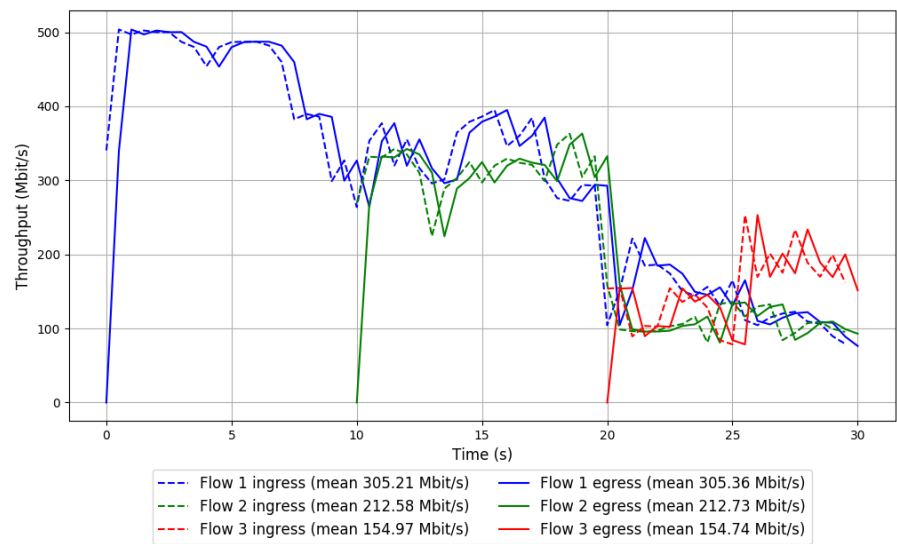


Run 5: Statistics of Copa

Start at: 2018-07-04 12:46:32
End at: 2018-07-04 12:47:02
Local clock offset: 4.974 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-07-04 15:58:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 498.22 Mbit/s
95th percentile per-packet one-way delay: 1.108 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 305.36 Mbit/s
95th percentile per-packet one-way delay: 1.117 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 212.73 Mbit/s
95th percentile per-packet one-way delay: 1.054 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 154.74 Mbit/s
95th percentile per-packet one-way delay: 1.155 ms
Loss rate: 0.34%

Run 5: Report of Copa — Data Link

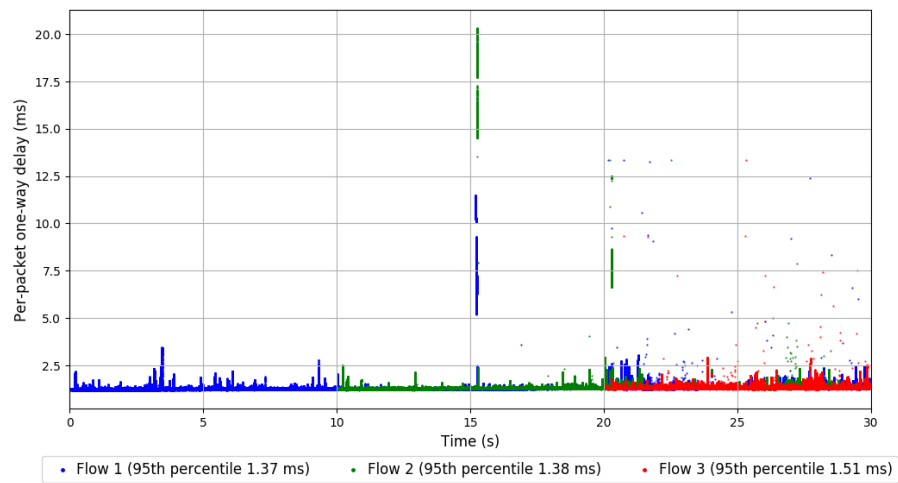
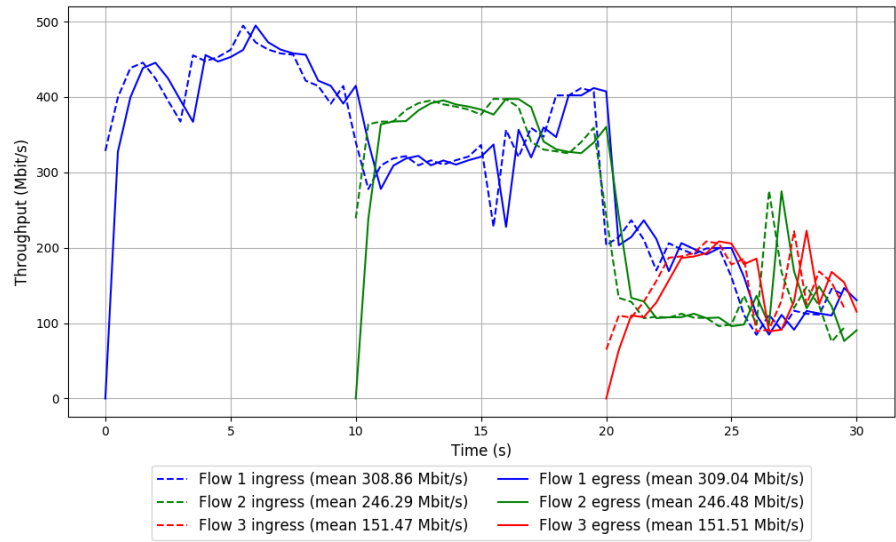


Run 6: Statistics of Copa

Start at: 2018-07-04 13:13:32
End at: 2018-07-04 13:14:02
Local clock offset: 1.441 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-07-04 15:58:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 523.19 Mbit/s
95th percentile per-packet one-way delay: 1.397 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 309.04 Mbit/s
95th percentile per-packet one-way delay: 1.372 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 246.48 Mbit/s
95th percentile per-packet one-way delay: 1.384 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 151.51 Mbit/s
95th percentile per-packet one-way delay: 1.510 ms
Loss rate: 0.20%

Run 6: Report of Copa — Data Link

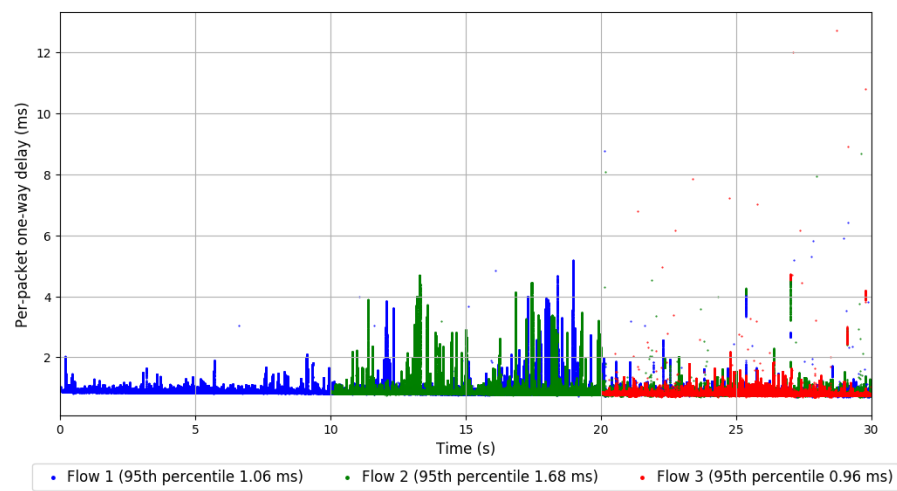
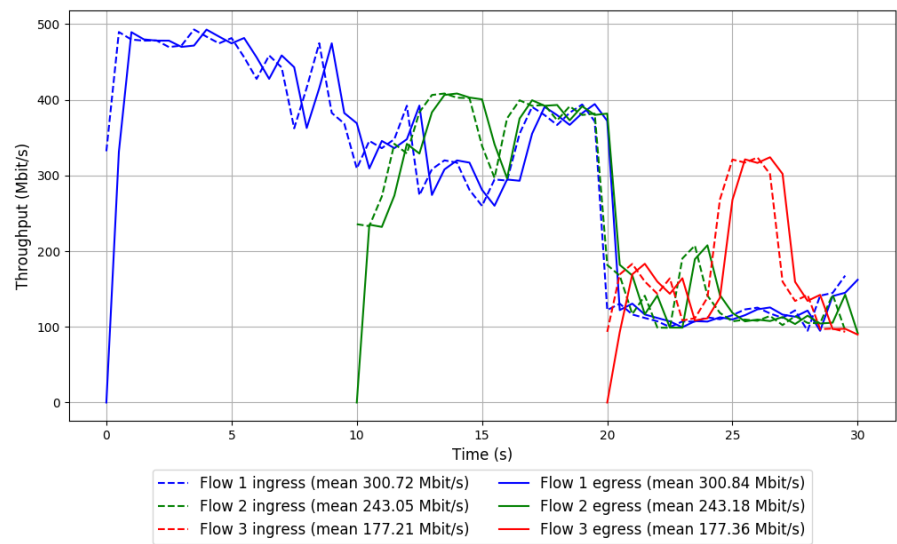


Run 7: Statistics of Copa

Start at: 2018-07-04 13:40:37
End at: 2018-07-04 13:41:07
Local clock offset: 1.453 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-07-04 16:08:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 521.53 Mbit/s
95th percentile per-packet one-way delay: 1.136 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 300.84 Mbit/s
95th percentile per-packet one-way delay: 1.057 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 243.18 Mbit/s
95th percentile per-packet one-way delay: 1.677 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 177.36 Mbit/s
95th percentile per-packet one-way delay: 0.958 ms
Loss rate: 0.11%

Run 7: Report of Copa — Data Link

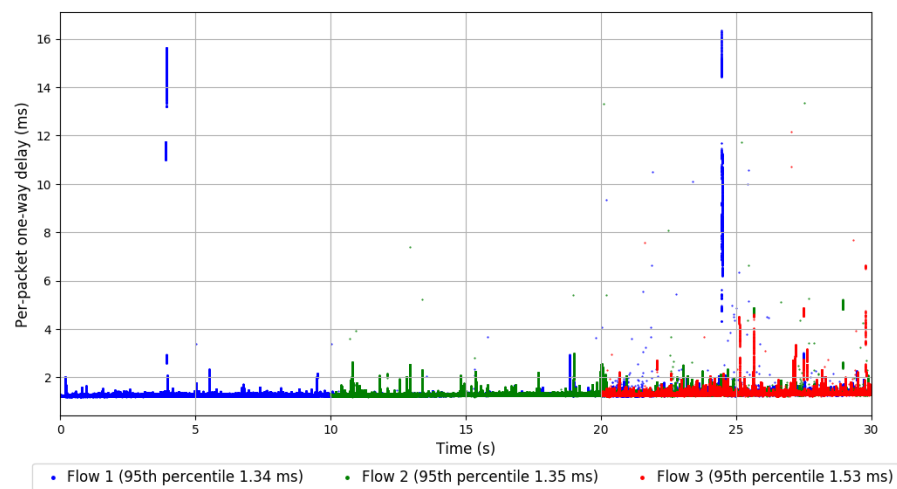
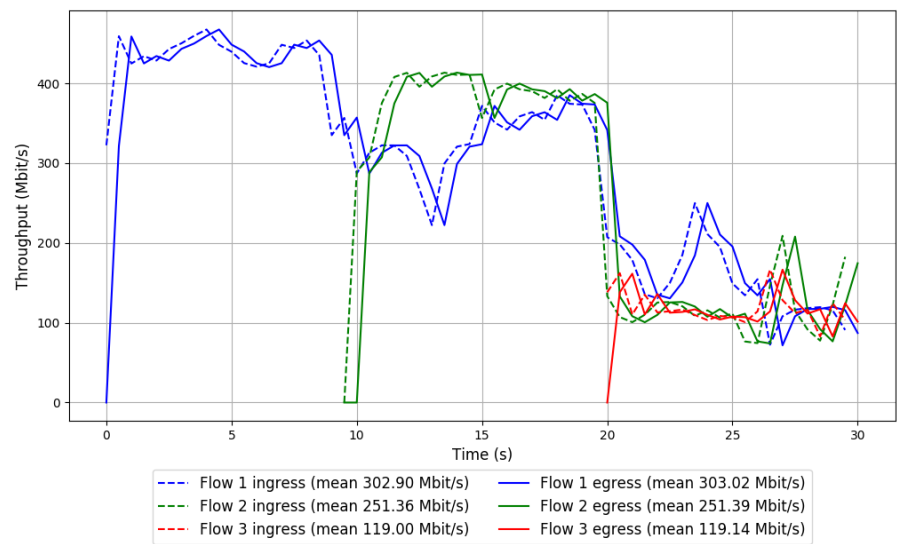


Run 8: Statistics of Copa

Start at: 2018-07-04 14:07:44
End at: 2018-07-04 14:08:14
Local clock offset: 1.987 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-07-04 16:08:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 510.05 Mbit/s
95th percentile per-packet one-way delay: 1.352 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 303.02 Mbit/s
95th percentile per-packet one-way delay: 1.337 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 251.39 Mbit/s
95th percentile per-packet one-way delay: 1.355 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 119.14 Mbit/s
95th percentile per-packet one-way delay: 1.535 ms
Loss rate: 0.09%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-04 14:34:46

End at: 2018-07-04 14:35:16

Local clock offset: -0.467 ms

Remote clock offset: 1.397 ms

Below is generated by plot.py at 2018-07-04 16:08:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 511.48 Mbit/s

95th percentile per-packet one-way delay: 1.214 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 307.65 Mbit/s

95th percentile per-packet one-way delay: 1.176 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 213.17 Mbit/s

95th percentile per-packet one-way delay: 1.357 ms

Loss rate: 0.06%

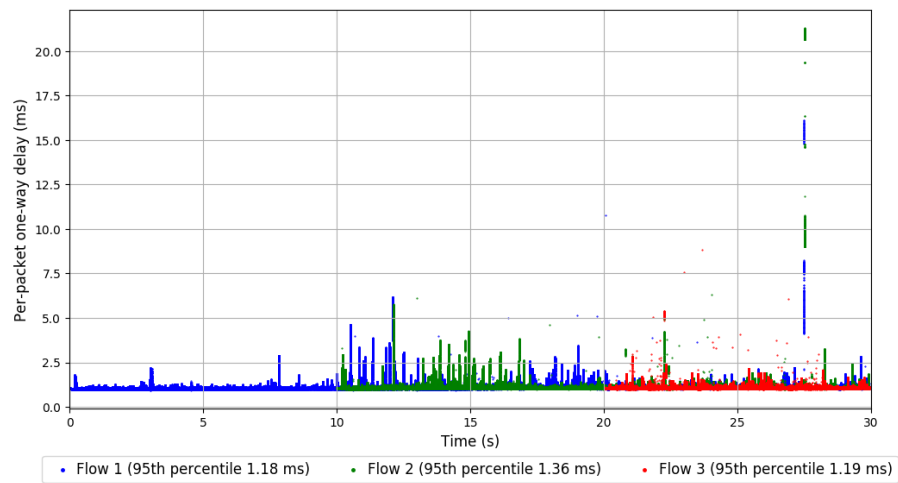
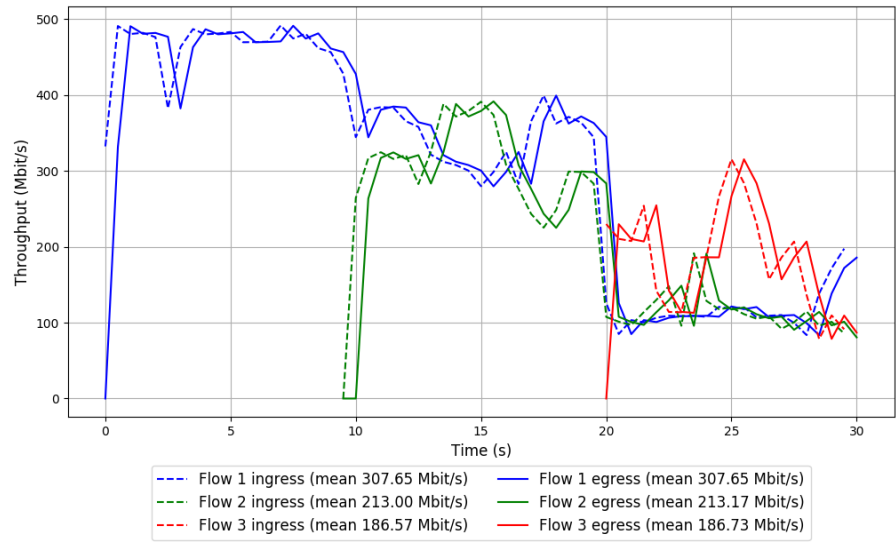
-- Flow 3:

Average throughput: 186.73 Mbit/s

95th percentile per-packet one-way delay: 1.185 ms

Loss rate: 0.14%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-04 15:01:41

End at: 2018-07-04 15:02:11

Local clock offset: -0.009 ms

Remote clock offset: 4.291 ms

Below is generated by plot.py at 2018-07-04 16:08:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 498.98 Mbit/s

95th percentile per-packet one-way delay: 1.150 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 310.26 Mbit/s

95th percentile per-packet one-way delay: 1.140 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 225.30 Mbit/s

95th percentile per-packet one-way delay: 1.135 ms

Loss rate: 0.05%

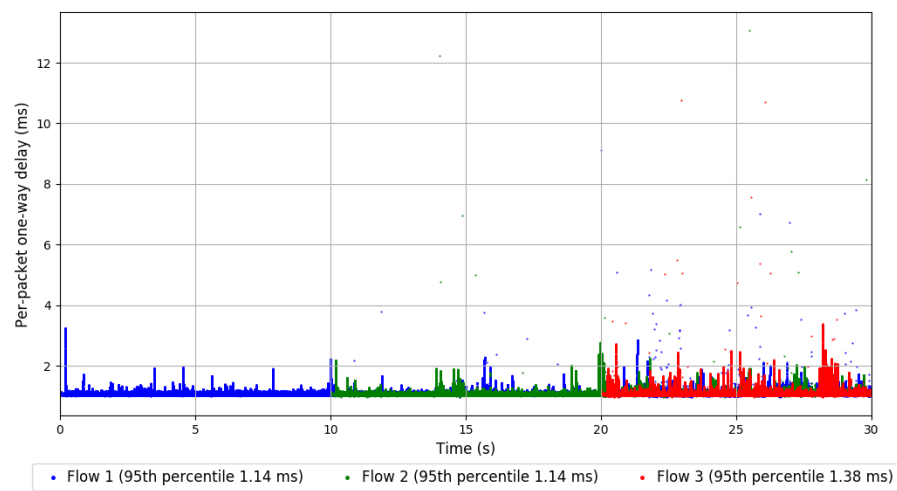
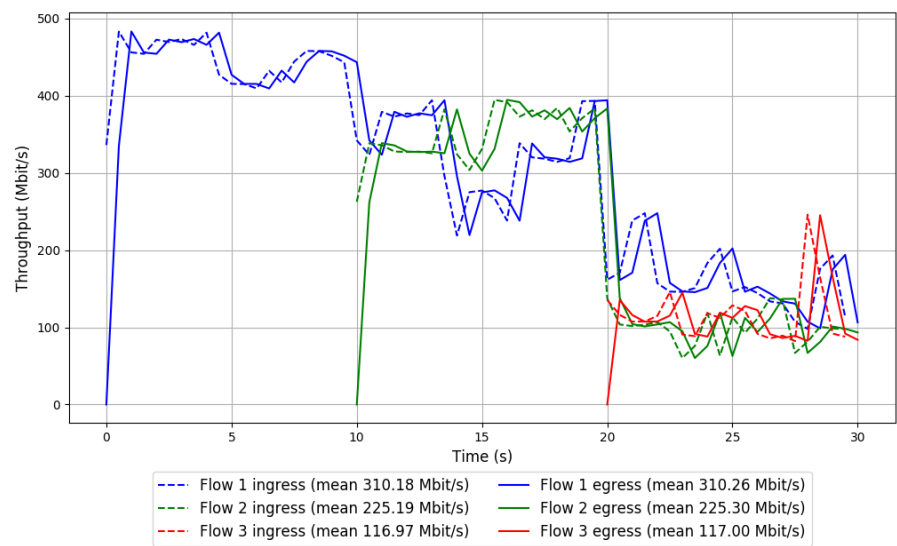
-- Flow 3:

Average throughput: 117.00 Mbit/s

95th percentile per-packet one-way delay: 1.379 ms

Loss rate: 0.18%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-04 11:06:48

End at: 2018-07-04 11:07:18

Local clock offset: 2.849 ms

Remote clock offset: 0.636 ms

Below is generated by plot.py at 2018-07-04 16:08:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 821.24 Mbit/s

95th percentile per-packet one-way delay: 9.836 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 446.83 Mbit/s

95th percentile per-packet one-way delay: 10.209 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 402.25 Mbit/s

95th percentile per-packet one-way delay: 4.993 ms

Loss rate: 0.09%

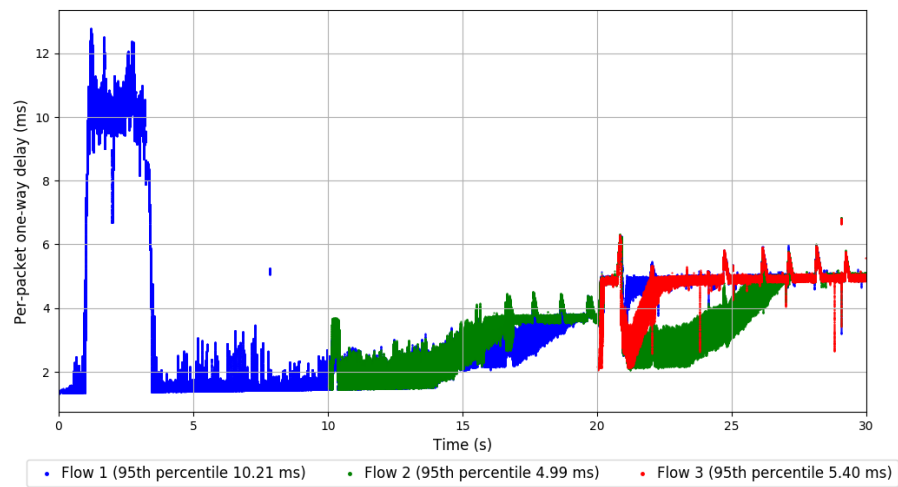
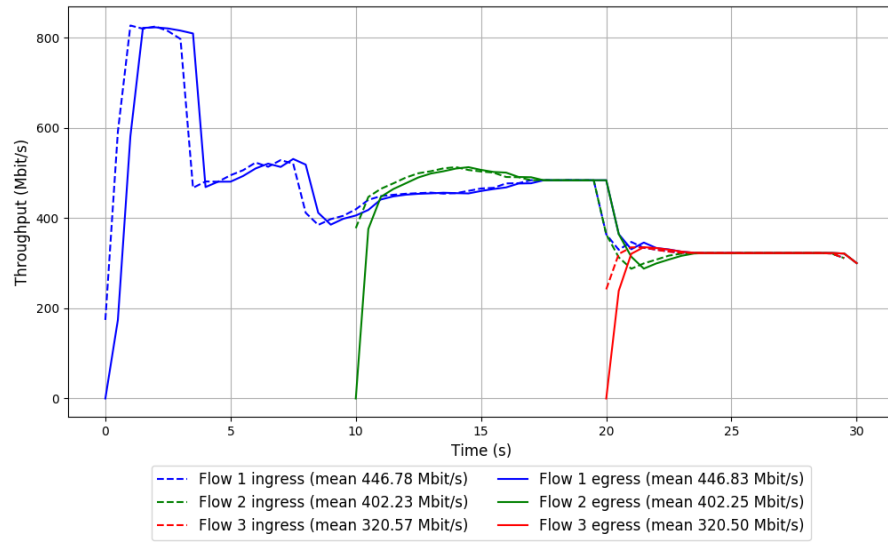
-- Flow 3:

Average throughput: 320.50 Mbit/s

95th percentile per-packet one-way delay: 5.401 ms

Loss rate: 0.22%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-04 11:33:43

End at: 2018-07-04 11:34:13

Local clock offset: -0.5 ms

Remote clock offset: 4.957 ms

Below is generated by plot.py at 2018-07-04 16:08:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 807.25 Mbit/s

95th percentile per-packet one-way delay: 4.380 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 440.55 Mbit/s

95th percentile per-packet one-way delay: 4.375 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 391.78 Mbit/s

95th percentile per-packet one-way delay: 4.369 ms

Loss rate: 0.09%

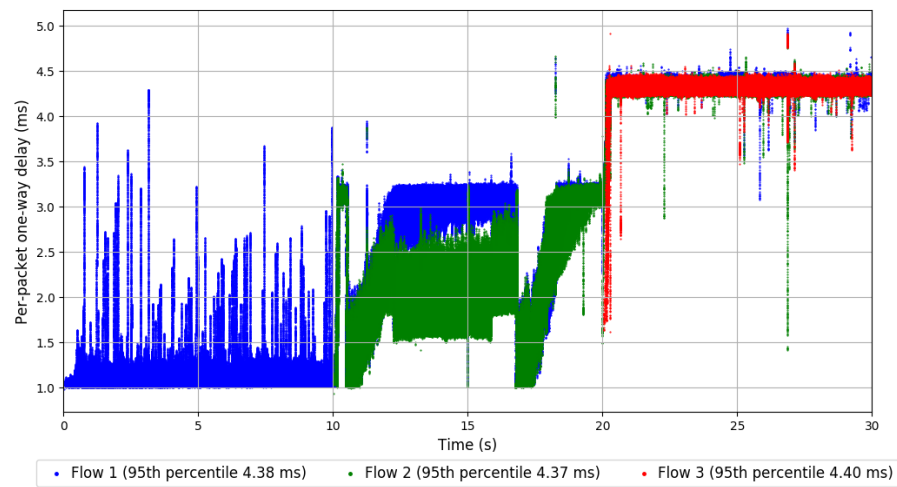
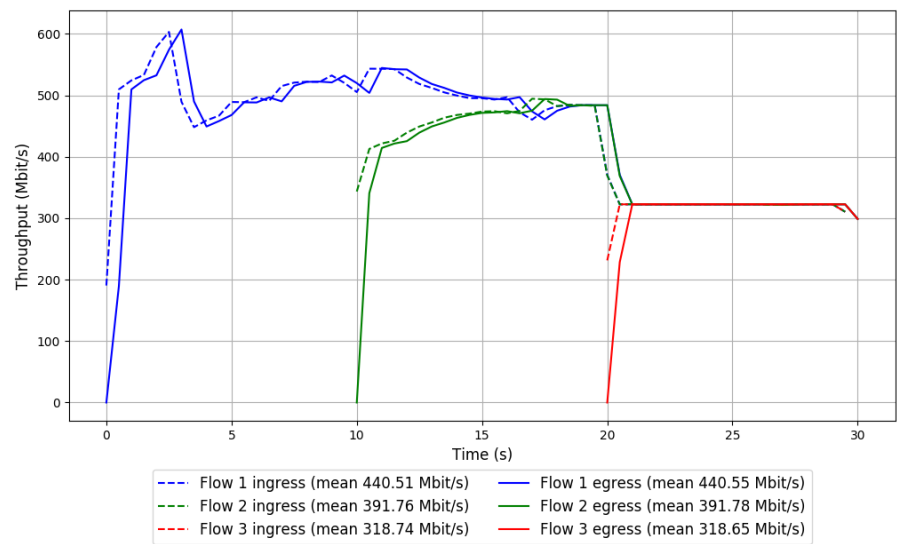
-- Flow 3:

Average throughput: 318.65 Mbit/s

95th percentile per-packet one-way delay: 4.400 ms

Loss rate: 0.23%

Run 2: Report of TCP Cubic — Data Link

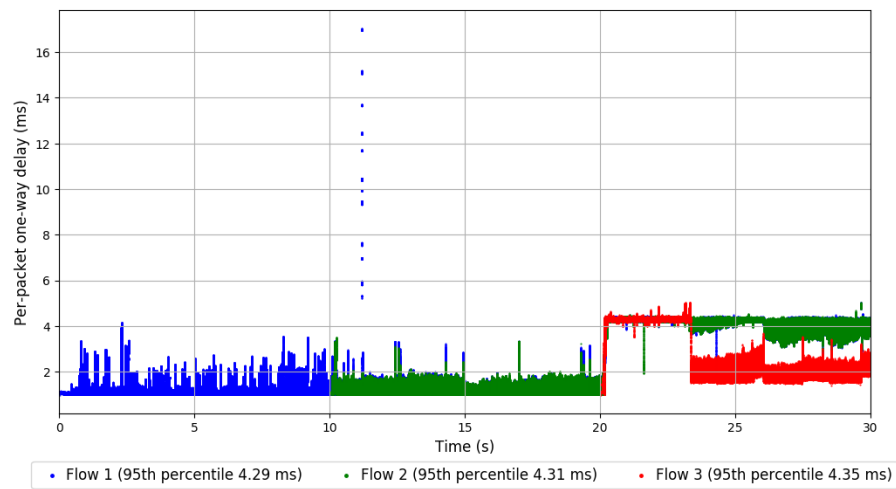
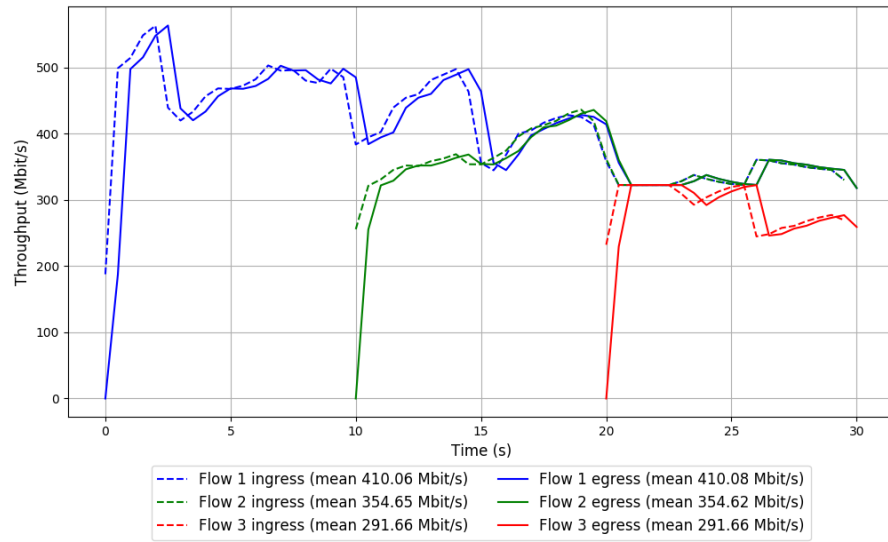


Run 3: Statistics of TCP Cubic

Start at: 2018-07-04 12:00:41
End at: 2018-07-04 12:01:11
Local clock offset: -0.431 ms
Remote clock offset: 0.331 ms

Below is generated by plot.py at 2018-07-04 16:08:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 742.99 Mbit/s
95th percentile per-packet one-way delay: 4.309 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 410.08 Mbit/s
95th percentile per-packet one-way delay: 4.291 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 354.62 Mbit/s
95th percentile per-packet one-way delay: 4.311 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 291.66 Mbit/s
95th percentile per-packet one-way delay: 4.349 ms
Loss rate: 0.20%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-04 12:27:31

End at: 2018-07-04 12:28:01

Local clock offset: 3.979 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-07-04 16:08:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 823.44 Mbit/s

95th percentile per-packet one-way delay: 4.219 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 473.29 Mbit/s

95th percentile per-packet one-way delay: 4.236 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 367.21 Mbit/s

95th percentile per-packet one-way delay: 4.203 ms

Loss rate: 0.10%

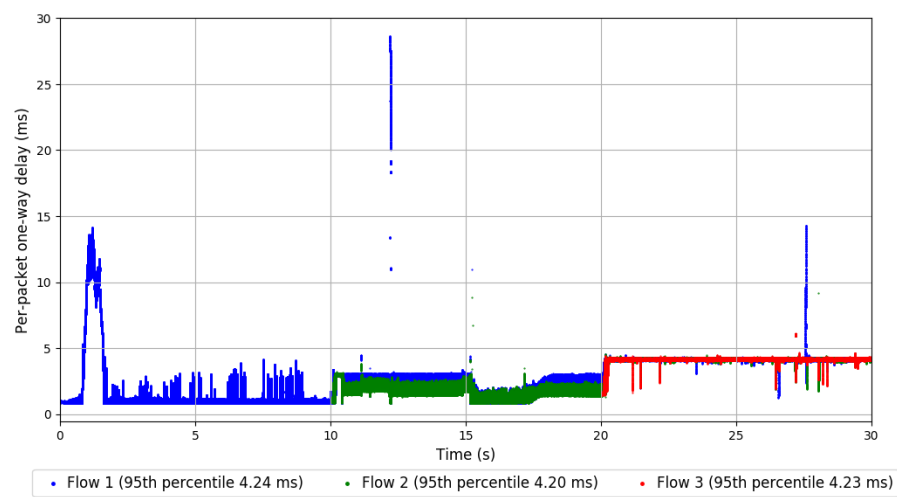
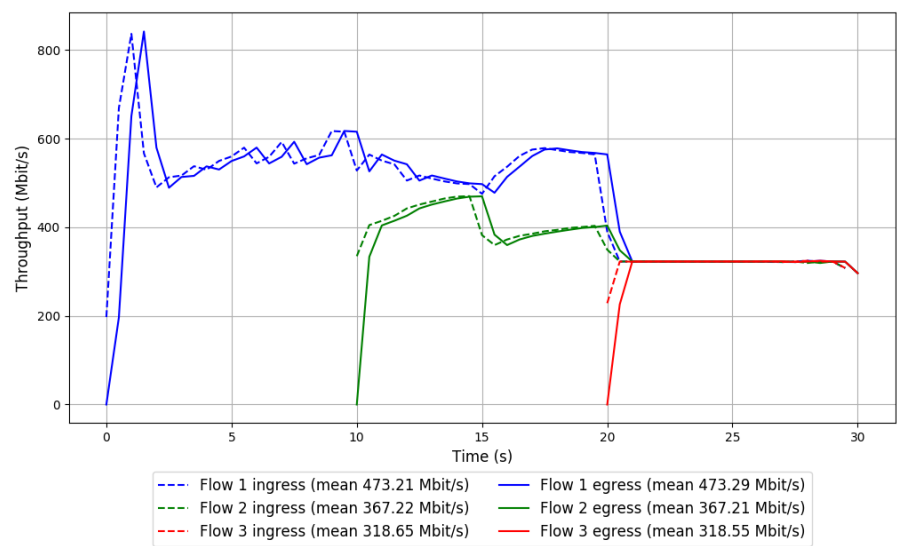
-- Flow 3:

Average throughput: 318.55 Mbit/s

95th percentile per-packet one-way delay: 4.226 ms

Loss rate: 0.23%

Run 4: Report of TCP Cubic — Data Link

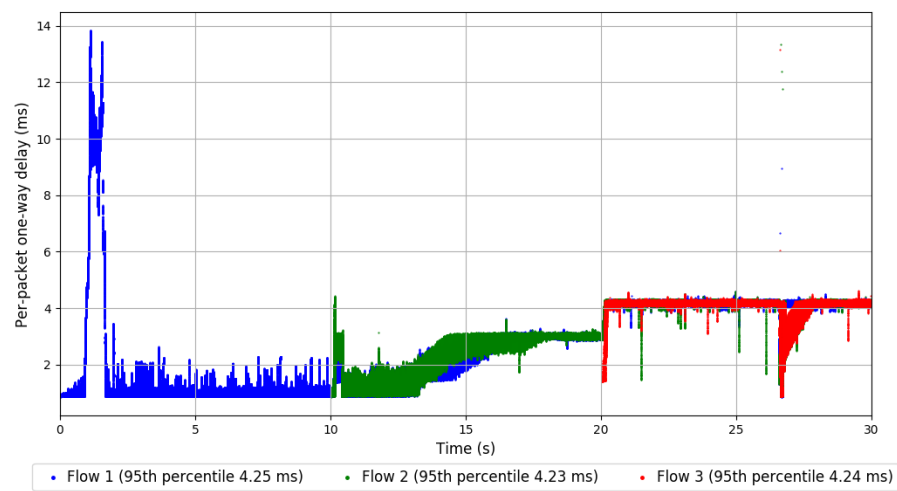
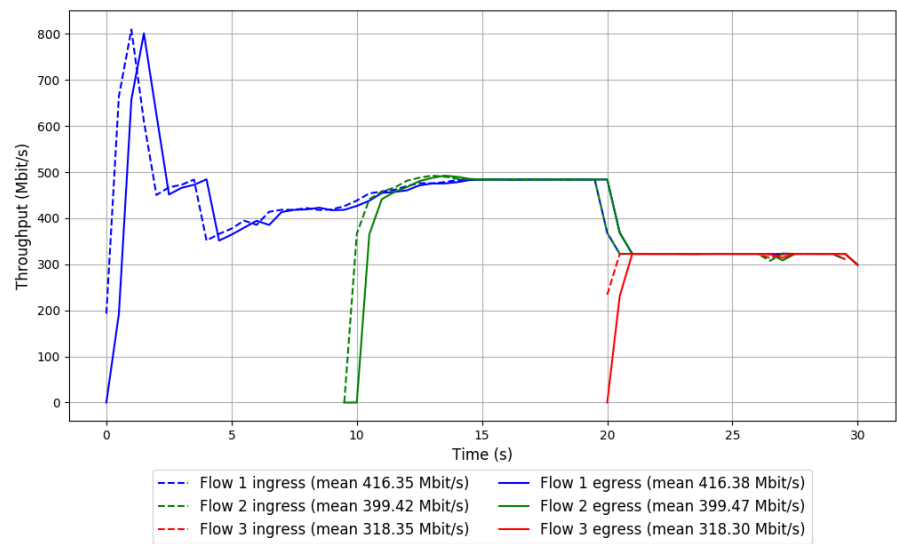


Run 5: Statistics of TCP Cubic

Start at: 2018-07-04 12:54:38
End at: 2018-07-04 12:55:08
Local clock offset: 5.231 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-04 16:14:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 788.16 Mbit/s
95th percentile per-packet one-way delay: 4.239 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 416.38 Mbit/s
95th percentile per-packet one-way delay: 4.254 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 399.47 Mbit/s
95th percentile per-packet one-way delay: 4.227 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 318.30 Mbit/s
95th percentile per-packet one-way delay: 4.244 ms
Loss rate: 0.24%

Run 5: Report of TCP Cubic — Data Link

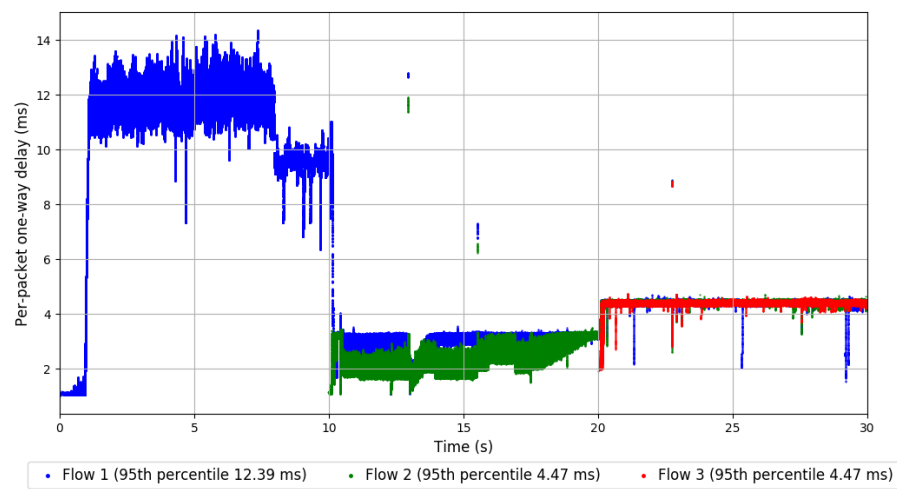
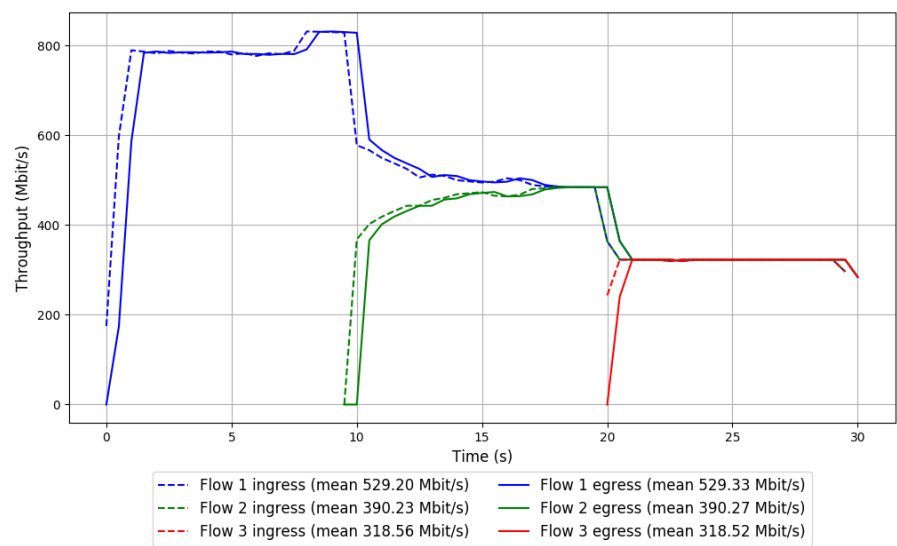


Run 6: Statistics of TCP Cubic

Start at: 2018-07-04 13:21:42
End at: 2018-07-04 13:22:12
Local clock offset: -0.087 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-07-04 16:16:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 895.15 Mbit/s
95th percentile per-packet one-way delay: 12.075 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 529.33 Mbit/s
95th percentile per-packet one-way delay: 12.388 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 390.27 Mbit/s
95th percentile per-packet one-way delay: 4.468 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 318.52 Mbit/s
95th percentile per-packet one-way delay: 4.475 ms
Loss rate: 0.24%

Run 6: Report of TCP Cubic — Data Link

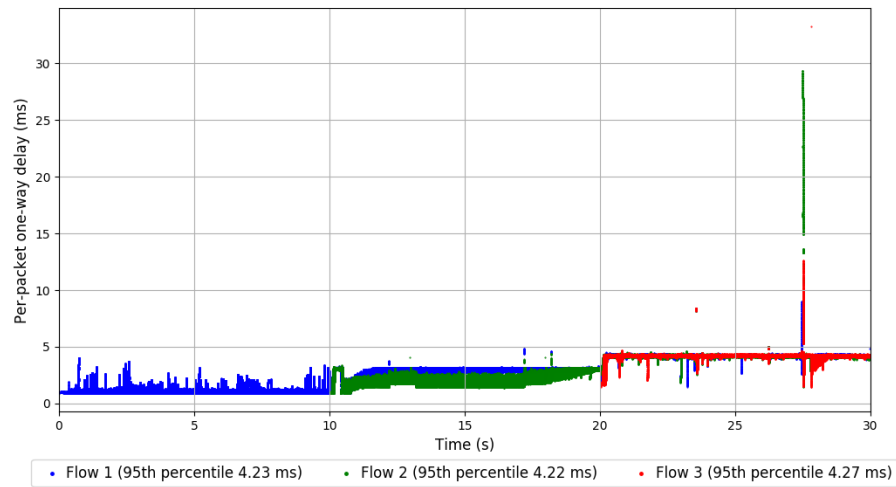
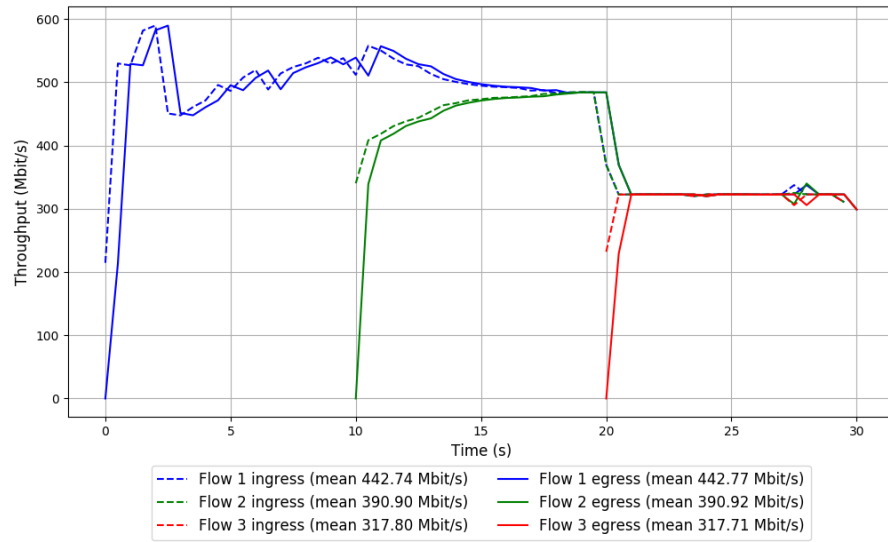


Run 7: Statistics of TCP Cubic

Start at: 2018-07-04 13:48:39
End at: 2018-07-04 13:49:09
Local clock offset: 2.548 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-07-04 16:16:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 808.52 Mbit/s
95th percentile per-packet one-way delay: 4.239 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 442.77 Mbit/s
95th percentile per-packet one-way delay: 4.226 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 390.92 Mbit/s
95th percentile per-packet one-way delay: 4.225 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 317.71 Mbit/s
95th percentile per-packet one-way delay: 4.272 ms
Loss rate: 0.23%

Run 7: Report of TCP Cubic — Data Link

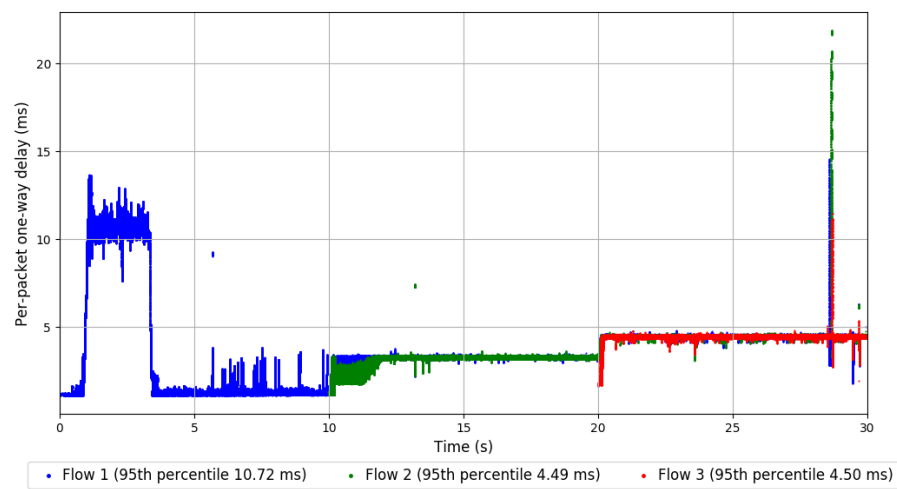
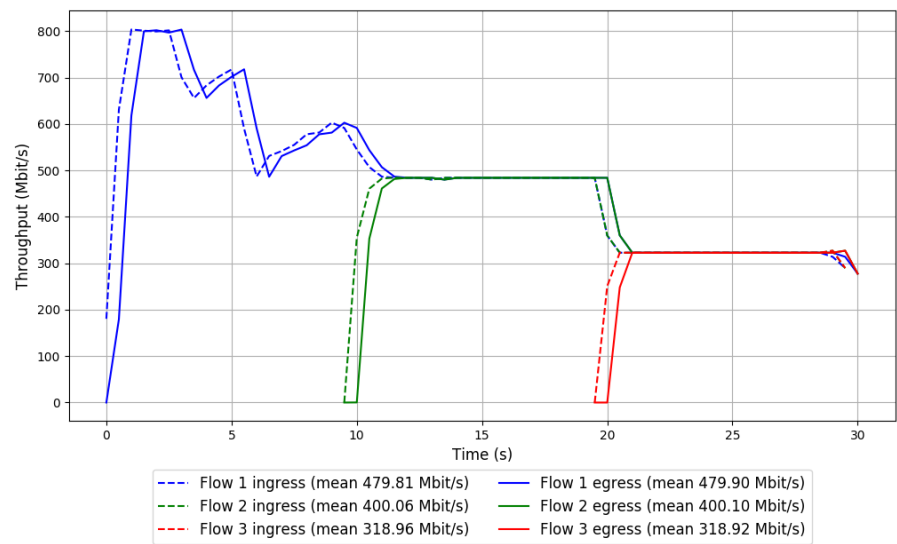


Run 8: Statistics of TCP Cubic

Start at: 2018-07-04 14:15:49
End at: 2018-07-04 14:16:19
Local clock offset: 0.652 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-07-04 16:16:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 852.53 Mbit/s
95th percentile per-packet one-way delay: 10.367 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 479.90 Mbit/s
95th percentile per-packet one-way delay: 10.716 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 400.10 Mbit/s
95th percentile per-packet one-way delay: 4.491 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 318.92 Mbit/s
95th percentile per-packet one-way delay: 4.500 ms
Loss rate: 0.24%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-04 14:42:46

End at: 2018-07-04 14:43:16

Local clock offset: 0.009 ms

Remote clock offset: 2.761 ms

Below is generated by plot.py at 2018-07-04 16:16:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 835.23 Mbit/s

95th percentile per-packet one-way delay: 4.793 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 469.36 Mbit/s

95th percentile per-packet one-way delay: 10.634 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 390.14 Mbit/s

95th percentile per-packet one-way delay: 4.486 ms

Loss rate: 0.09%

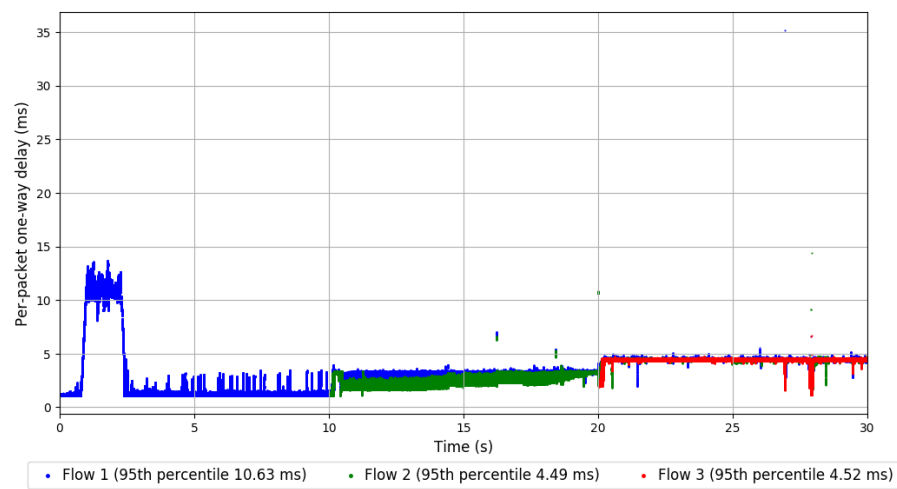
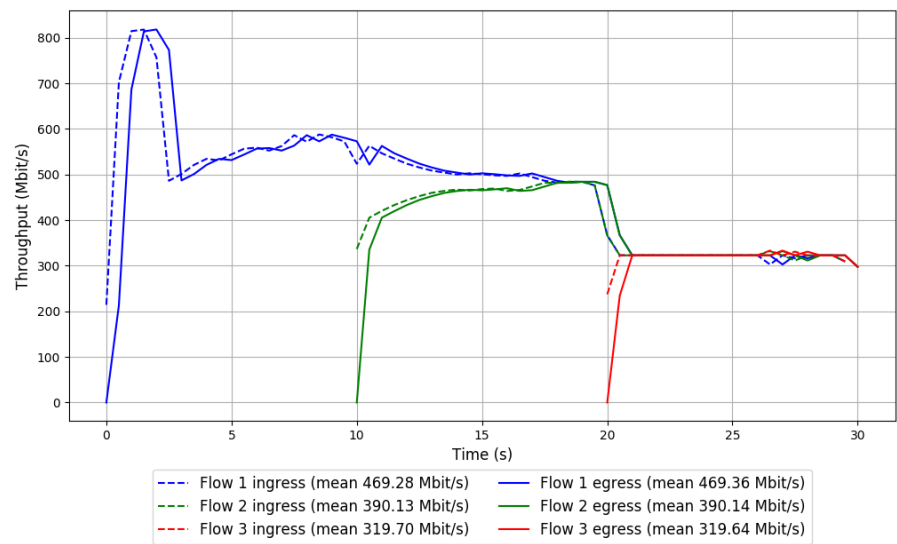
-- Flow 3:

Average throughput: 319.64 Mbit/s

95th percentile per-packet one-way delay: 4.521 ms

Loss rate: 0.23%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-04 15:09:48

End at: 2018-07-04 15:10:18

Local clock offset: -0.004 ms

Remote clock offset: 1.951 ms

Below is generated by plot.py at 2018-07-04 16:16:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 793.31 Mbit/s

95th percentile per-packet one-way delay: 4.308 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 409.57 Mbit/s

95th percentile per-packet one-way delay: 4.288 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 417.72 Mbit/s

95th percentile per-packet one-way delay: 4.287 ms

Loss rate: 0.10%

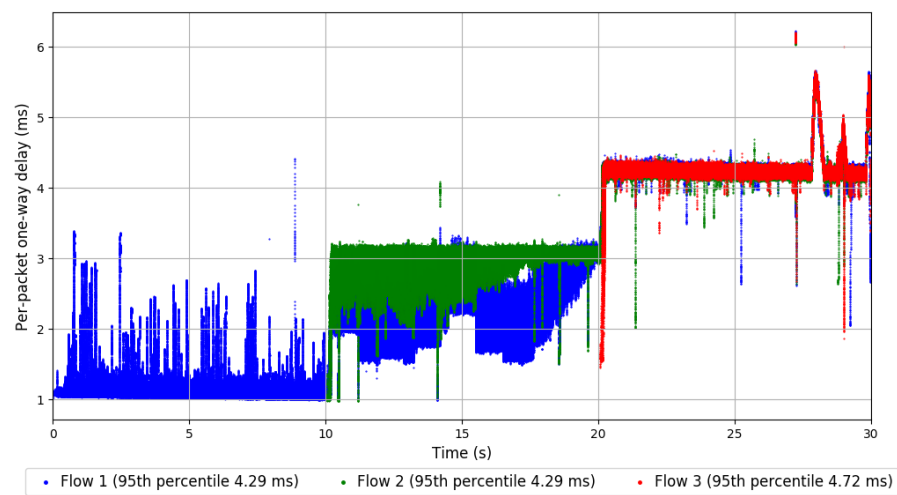
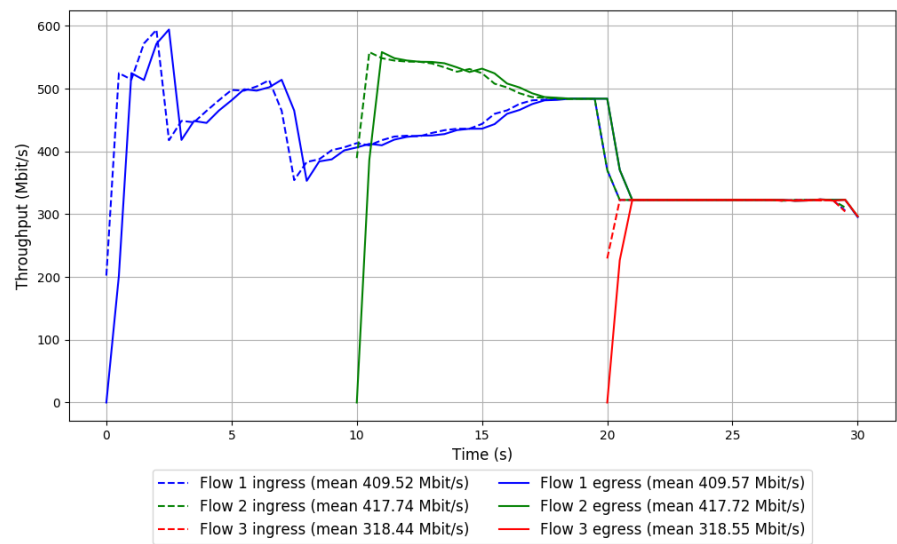
-- Flow 3:

Average throughput: 318.55 Mbit/s

95th percentile per-packet one-way delay: 4.722 ms

Loss rate: 0.16%

Run 10: Report of TCP Cubic — Data Link

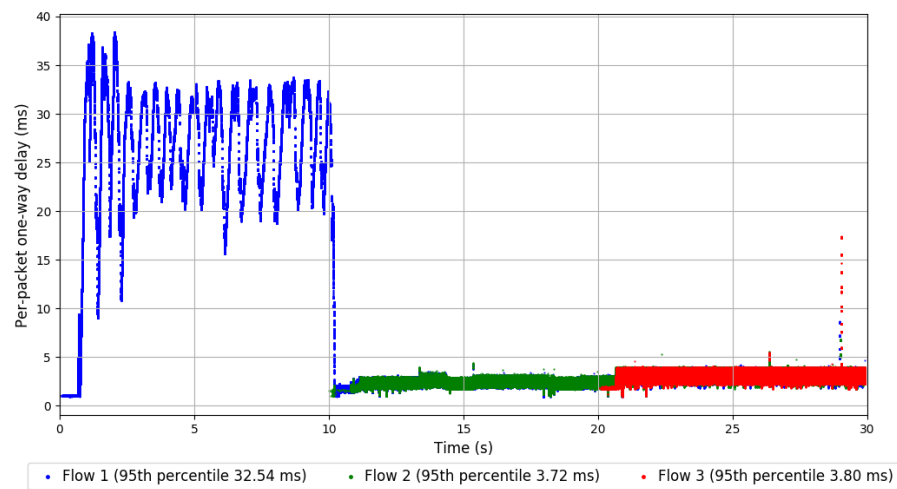
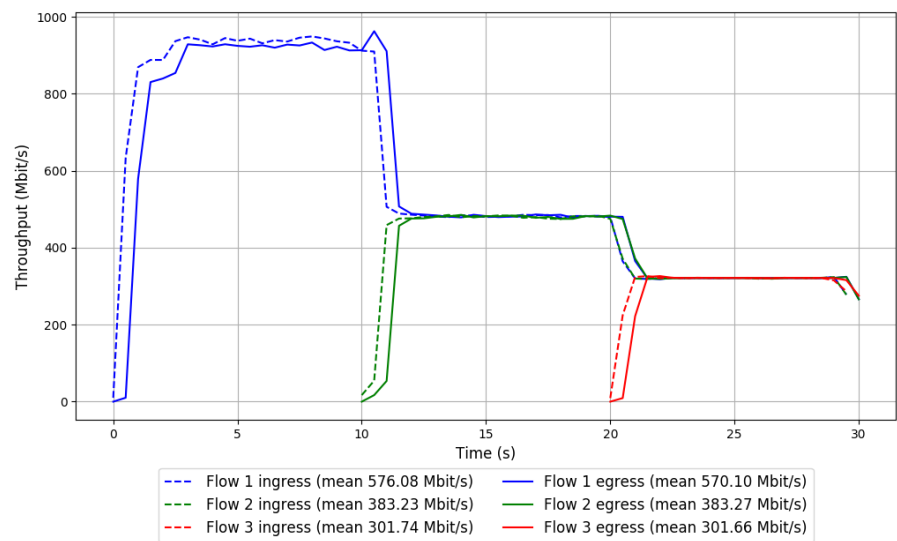


Run 1: Statistics of FillP

Start at: 2018-07-04 10:55:41
End at: 2018-07-04 10:56:11
Local clock offset: 3.898 ms
Remote clock offset: -0.266 ms

Below is generated by plot.py at 2018-07-04 16:20:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 924.89 Mbit/s
95th percentile per-packet one-way delay: 32.134 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 570.10 Mbit/s
95th percentile per-packet one-way delay: 32.542 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 383.27 Mbit/s
95th percentile per-packet one-way delay: 3.719 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 301.66 Mbit/s
95th percentile per-packet one-way delay: 3.800 ms
Loss rate: 0.22%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-04 11:22:36

End at: 2018-07-04 11:23:06

Local clock offset: 0.05 ms

Remote clock offset: 3.764 ms

Below is generated by plot.py at 2018-07-04 16:20:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 936.15 Mbit/s

95th percentile per-packet one-way delay: 3.934 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 575.65 Mbit/s

95th percentile per-packet one-way delay: 3.841 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 392.59 Mbit/s

95th percentile per-packet one-way delay: 3.925 ms

Loss rate: 0.09%

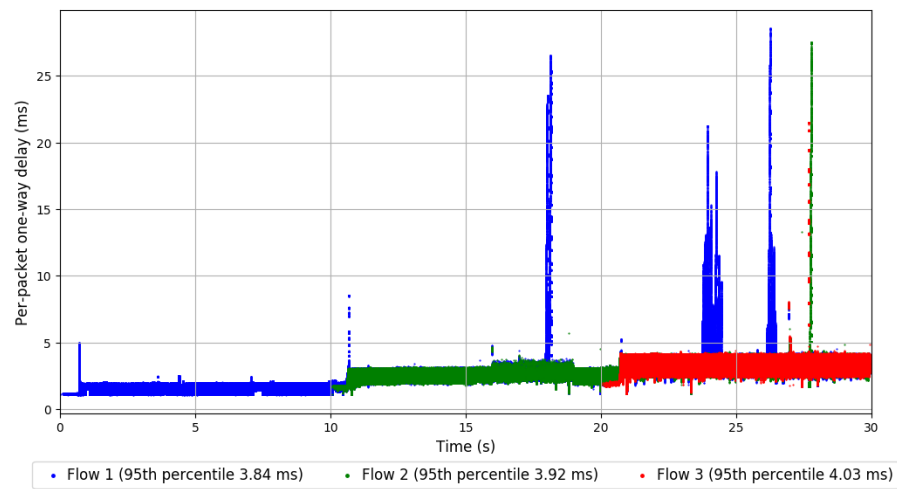
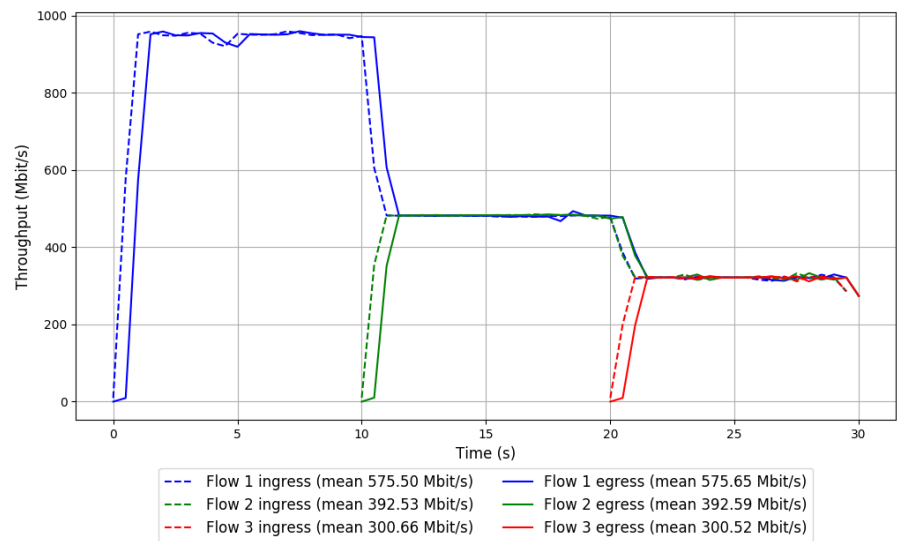
-- Flow 3:

Average throughput: 300.52 Mbit/s

95th percentile per-packet one-way delay: 4.030 ms

Loss rate: 0.24%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-04 11:49:33

End at: 2018-07-04 11:50:03

Local clock offset: -0.336 ms

Remote clock offset: 1.456 ms

Below is generated by plot.py at 2018-07-04 16:27:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 878.14 Mbit/s

95th percentile per-packet one-way delay: 6.639 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 518.55 Mbit/s

95th percentile per-packet one-way delay: 3.881 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 388.66 Mbit/s

95th percentile per-packet one-way delay: 7.897 ms

Loss rate: 0.09%

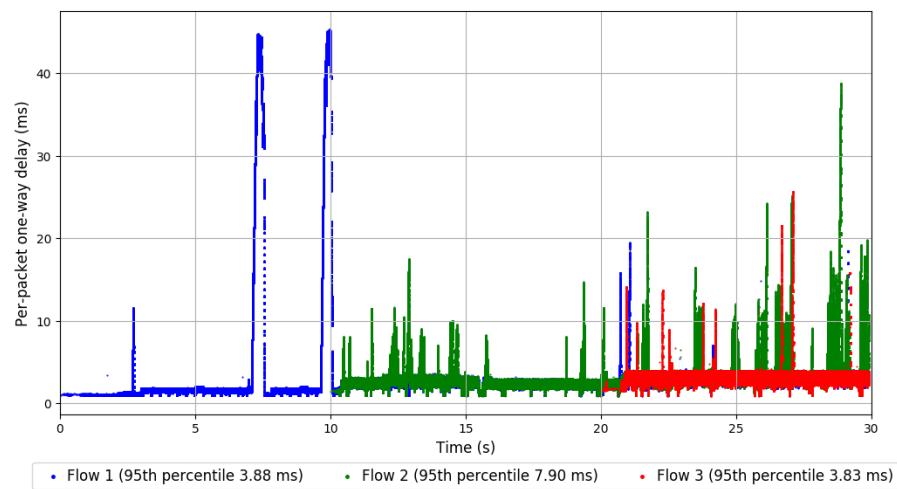
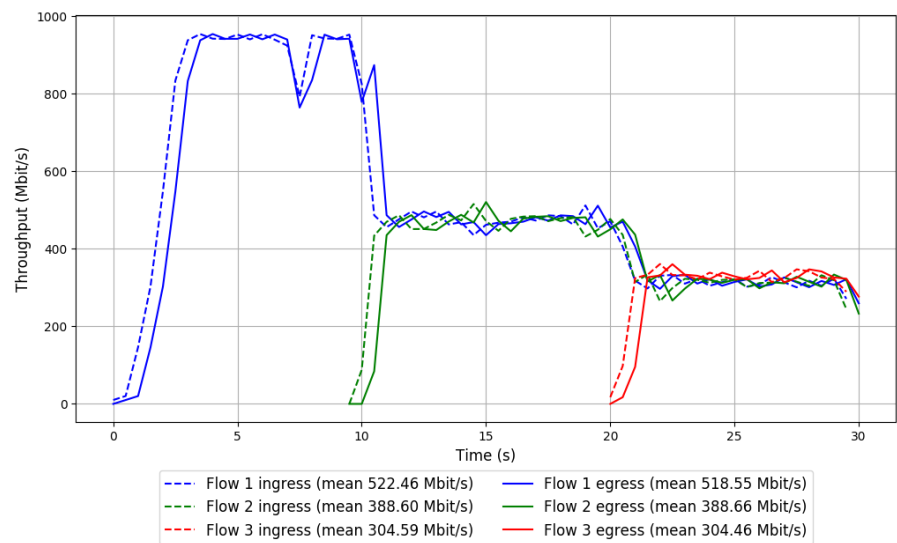
-- Flow 3:

Average throughput: 304.46 Mbit/s

95th percentile per-packet one-way delay: 3.827 ms

Loss rate: 0.23%

Run 3: Report of FillP — Data Link

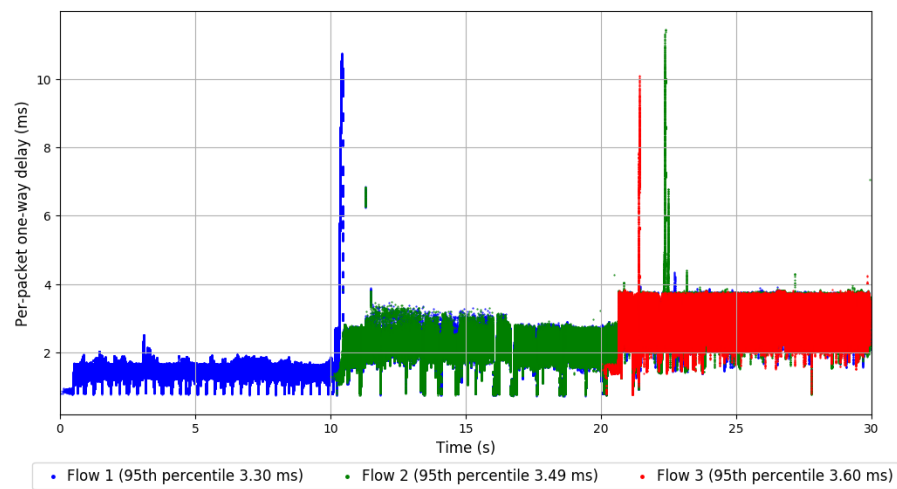
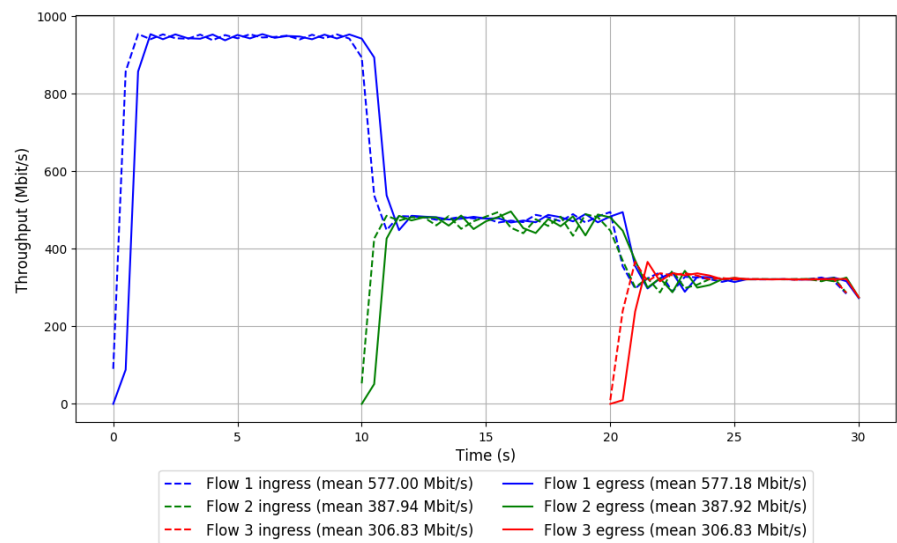


Run 4: Statistics of FillP

Start at: 2018-07-04 12:16:21
End at: 2018-07-04 12:16:51
Local clock offset: 2.966 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-04 16:28:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 936.77 Mbit/s
95th percentile per-packet one-way delay: 3.469 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 577.18 Mbit/s
95th percentile per-packet one-way delay: 3.298 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 387.92 Mbit/s
95th percentile per-packet one-way delay: 3.490 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 306.83 Mbit/s
95th percentile per-packet one-way delay: 3.601 ms
Loss rate: 0.22%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-04 12:43:26

End at: 2018-07-04 12:43:56

Local clock offset: 4.831 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-04 16:28:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 913.91 Mbit/s

95th percentile per-packet one-way delay: 3.591 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 564.25 Mbit/s

95th percentile per-packet one-way delay: 3.425 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 380.88 Mbit/s

95th percentile per-packet one-way delay: 3.615 ms

Loss rate: 0.09%

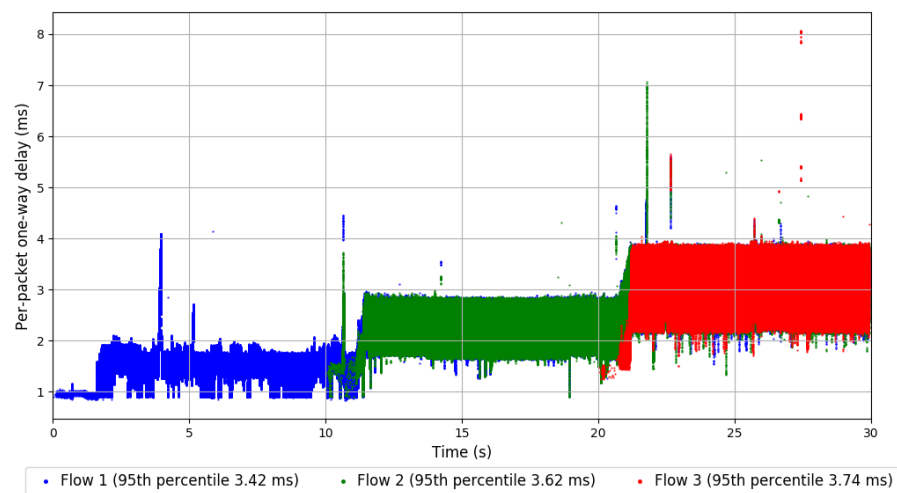
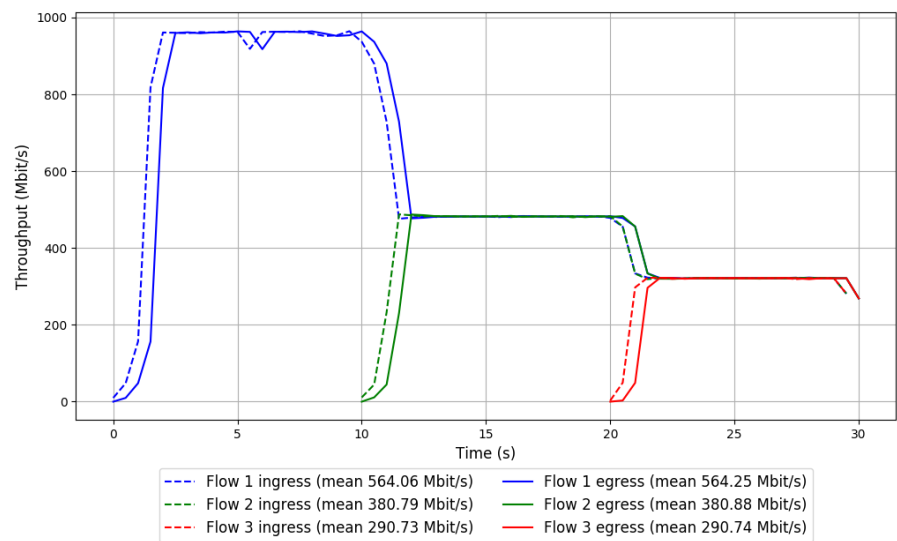
-- Flow 3:

Average throughput: 290.74 Mbit/s

95th percentile per-packet one-way delay: 3.741 ms

Loss rate: 0.24%

Run 5: Report of FillP — Data Link

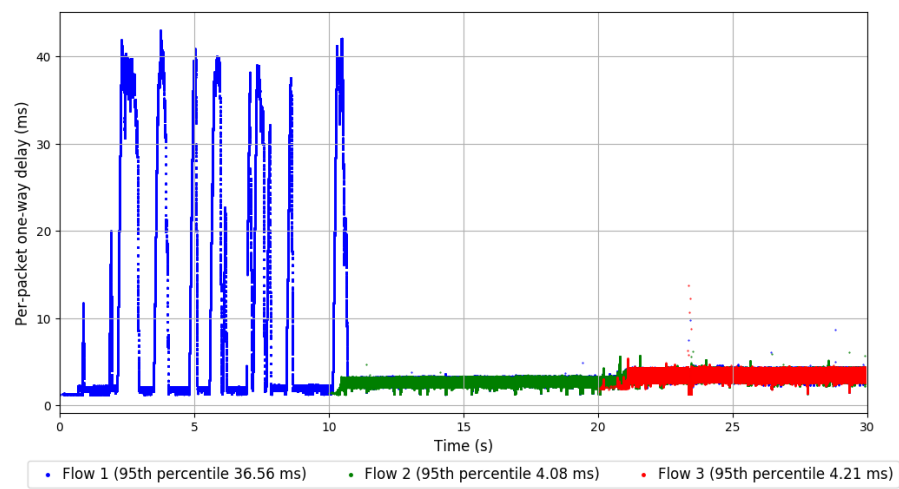
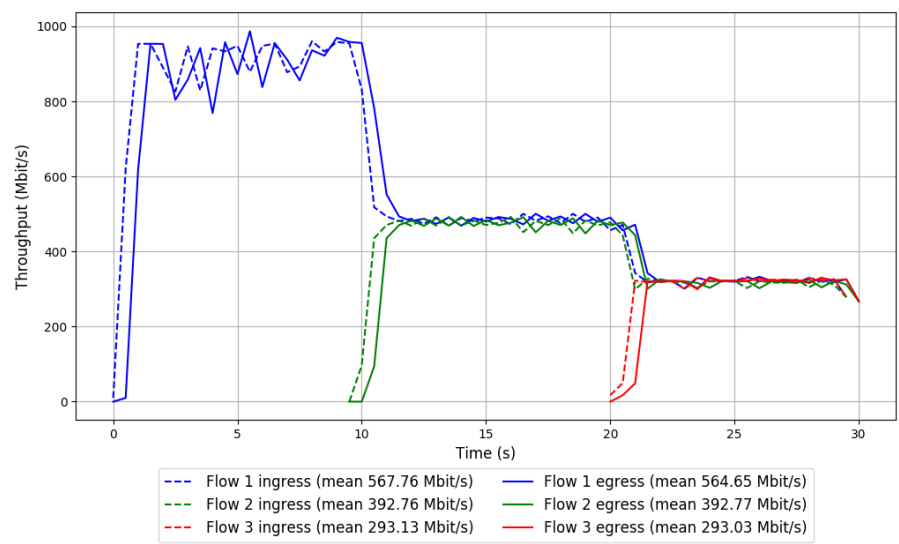


Run 6: Statistics of FillP

Start at: 2018-07-04 13:10:26
End at: 2018-07-04 13:10:56
Local clock offset: 2.301 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-07-04 16:28:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 923.16 Mbit/s
95th percentile per-packet one-way delay: 32.623 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 564.65 Mbit/s
95th percentile per-packet one-way delay: 36.556 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 392.77 Mbit/s
95th percentile per-packet one-way delay: 4.080 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 293.03 Mbit/s
95th percentile per-packet one-way delay: 4.213 ms
Loss rate: 0.24%

Run 6: Report of FillP — Data Link

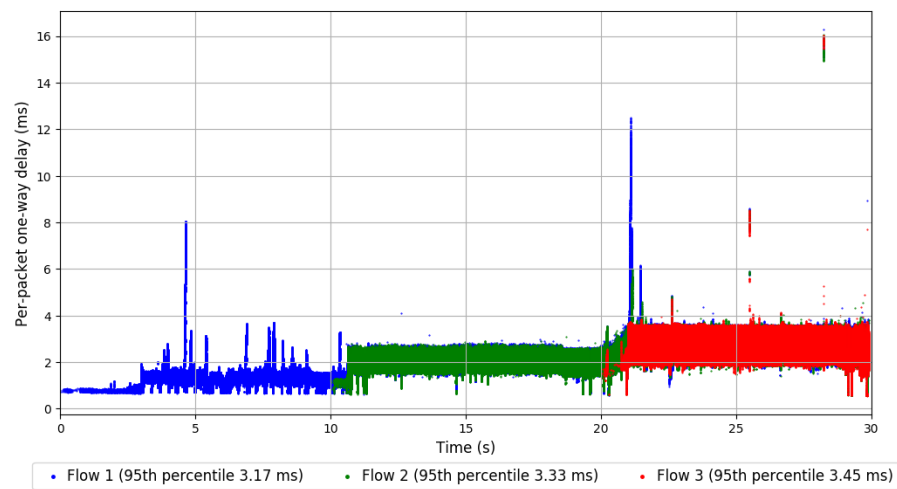
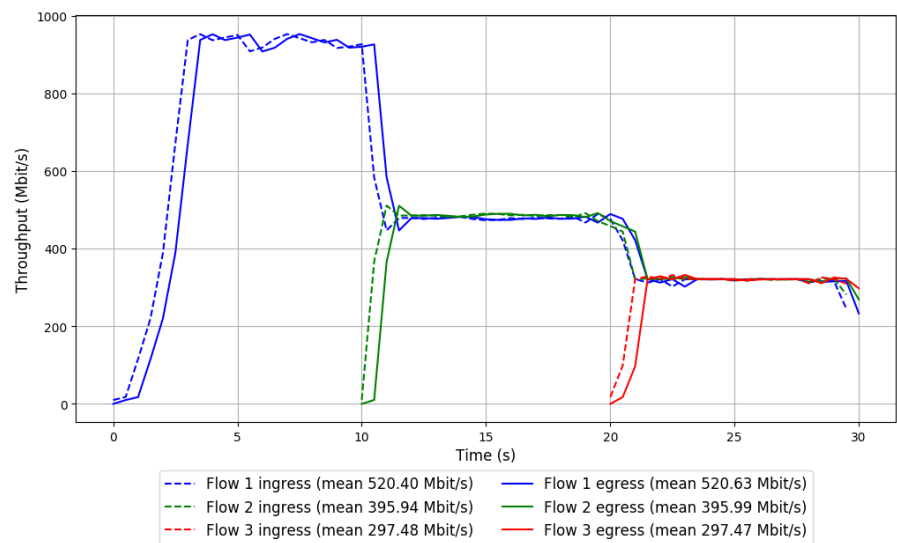


Run 7: Statistics of FillP

Start at: 2018-07-04 13:37:31
End at: 2018-07-04 13:38:01
Local clock offset: 0.545 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-07-04 16:28:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 882.48 Mbit/s
95th percentile per-packet one-way delay: 3.315 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 520.63 Mbit/s
95th percentile per-packet one-way delay: 3.166 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 395.99 Mbit/s
95th percentile per-packet one-way delay: 3.331 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 297.47 Mbit/s
95th percentile per-packet one-way delay: 3.448 ms
Loss rate: 0.22%

Run 7: Report of FillP — Data Link

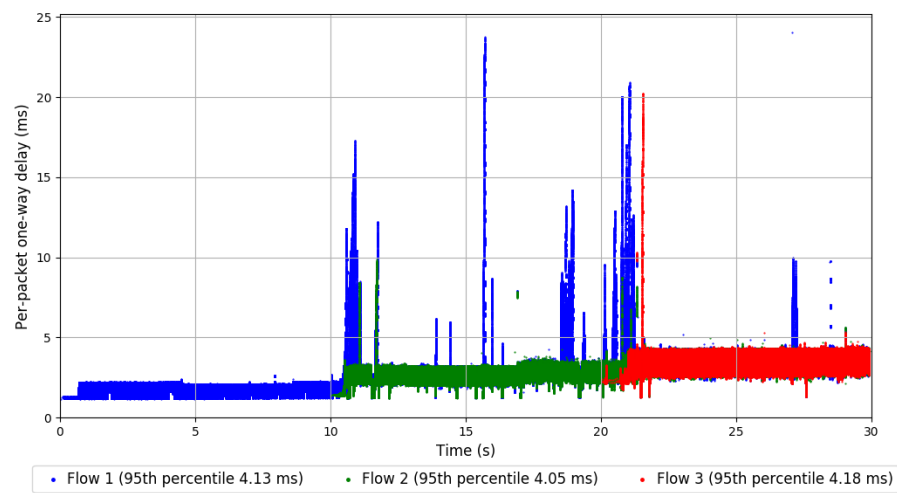
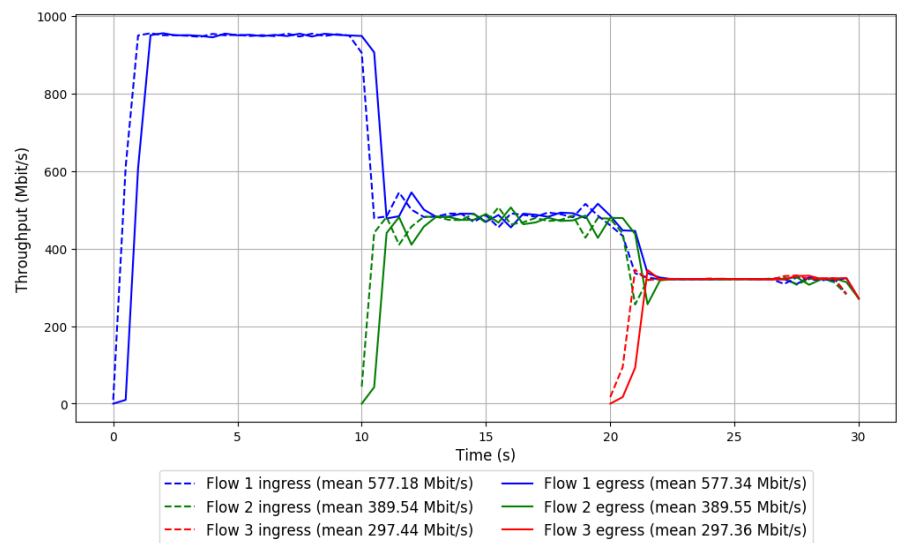


Run 8: Statistics of FillP

Start at: 2018-07-04 14:04:38
End at: 2018-07-04 14:05:08
Local clock offset: 2.859 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-07-04 16:29:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 935.01 Mbit/s
95th percentile per-packet one-way delay: 4.123 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 577.34 Mbit/s
95th percentile per-packet one-way delay: 4.131 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 389.55 Mbit/s
95th percentile per-packet one-way delay: 4.053 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 297.36 Mbit/s
95th percentile per-packet one-way delay: 4.185 ms
Loss rate: 0.23%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-04 14:31:40

End at: 2018-07-04 14:32:10

Local clock offset: -0.474 ms

Remote clock offset: 0.574 ms

Below is generated by plot.py at 2018-07-04 16:33:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 933.67 Mbit/s

95th percentile per-packet one-way delay: 14.435 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 577.38 Mbit/s

95th percentile per-packet one-way delay: 23.227 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 385.09 Mbit/s

95th percentile per-packet one-way delay: 4.050 ms

Loss rate: 0.09%

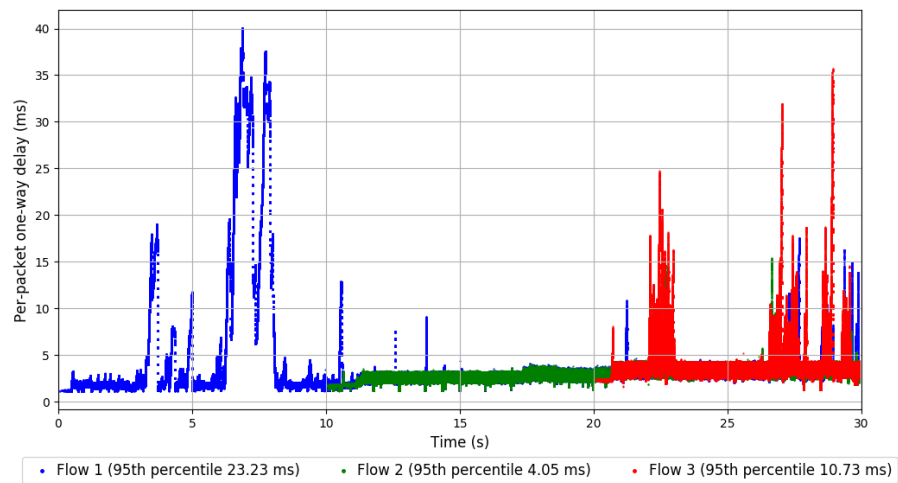
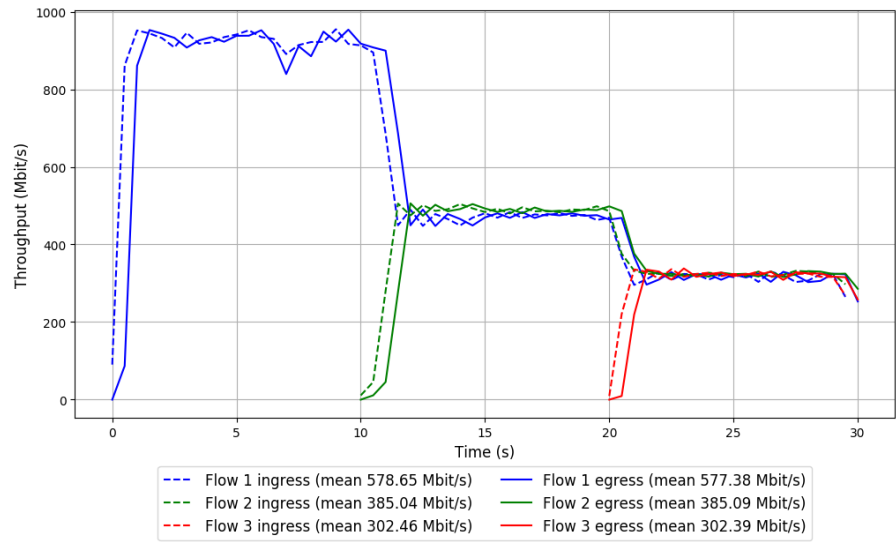
-- Flow 3:

Average throughput: 302.39 Mbit/s

95th percentile per-packet one-way delay: 10.727 ms

Loss rate: 0.22%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-04 14:58:34

End at: 2018-07-04 14:59:04

Local clock offset: 0.015 ms

Remote clock offset: 4.093 ms

Below is generated by plot.py at 2018-07-04 16:33:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 936.04 Mbit/s

95th percentile per-packet one-way delay: 3.813 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 577.48 Mbit/s

95th percentile per-packet one-way delay: 3.762 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 387.97 Mbit/s

95th percentile per-packet one-way delay: 3.780 ms

Loss rate: 0.09%

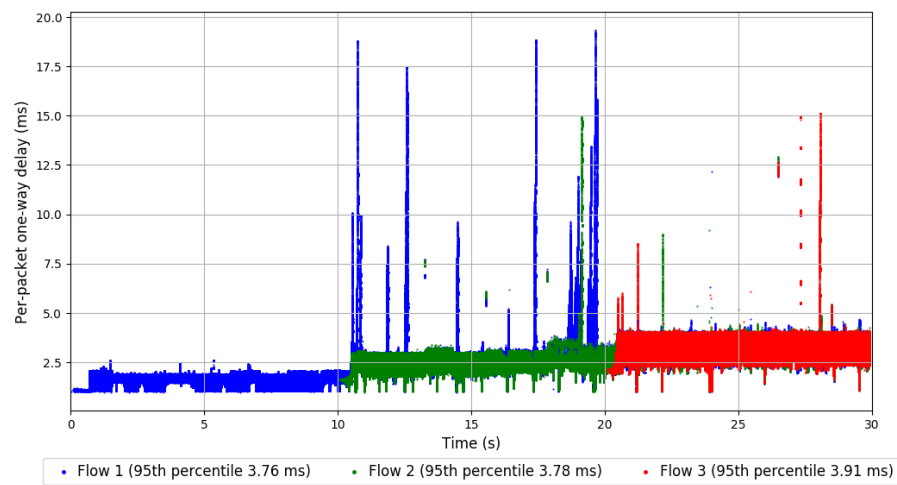
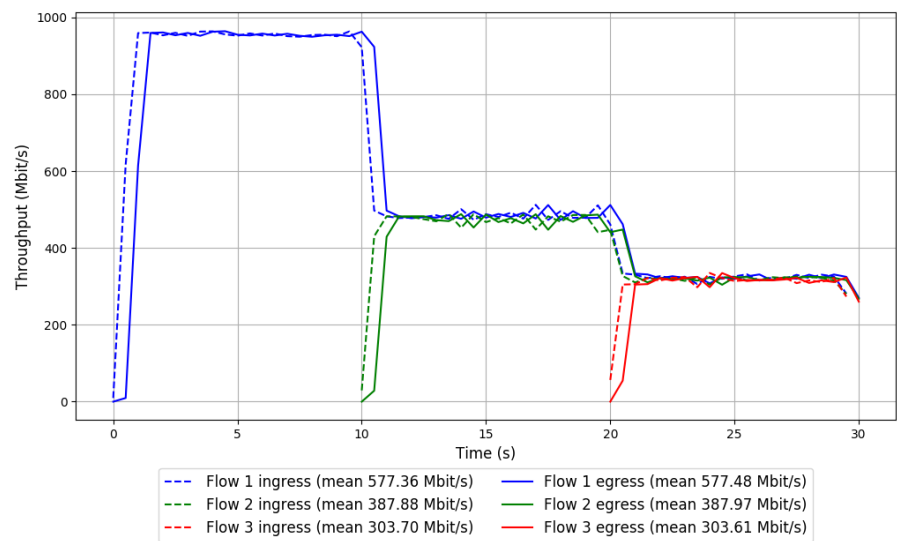
-- Flow 3:

Average throughput: 303.61 Mbit/s

95th percentile per-packet one-way delay: 3.907 ms

Loss rate: 0.22%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-04 11:08:33

End at: 2018-07-04 11:09:03

Local clock offset: 2.162 ms

Remote clock offset: 1.224 ms

Below is generated by plot.py at 2018-07-04 16:39:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 912.75 Mbit/s

95th percentile per-packet one-way delay: 33.966 ms

Loss rate: 1.68%

-- Flow 1:

Average throughput: 543.89 Mbit/s

95th percentile per-packet one-way delay: 34.321 ms

Loss rate: 2.70%

-- Flow 2:

Average throughput: 397.21 Mbit/s

95th percentile per-packet one-way delay: 4.104 ms

Loss rate: 0.09%

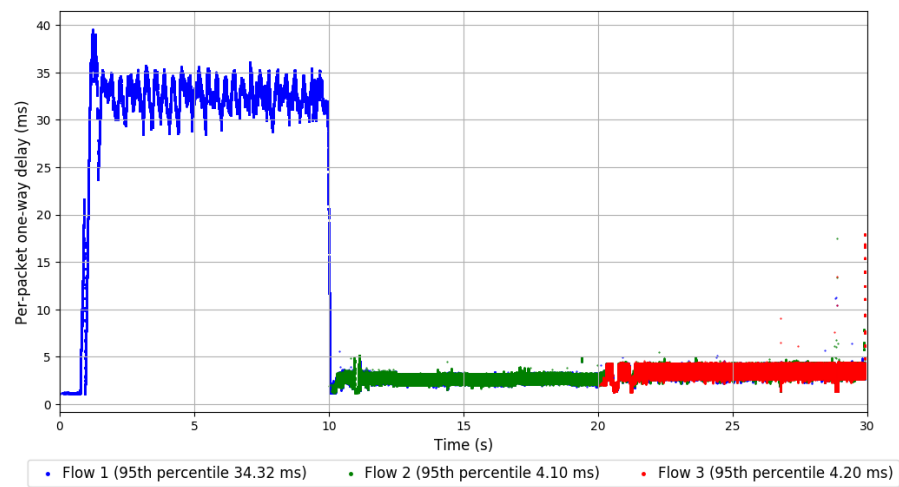
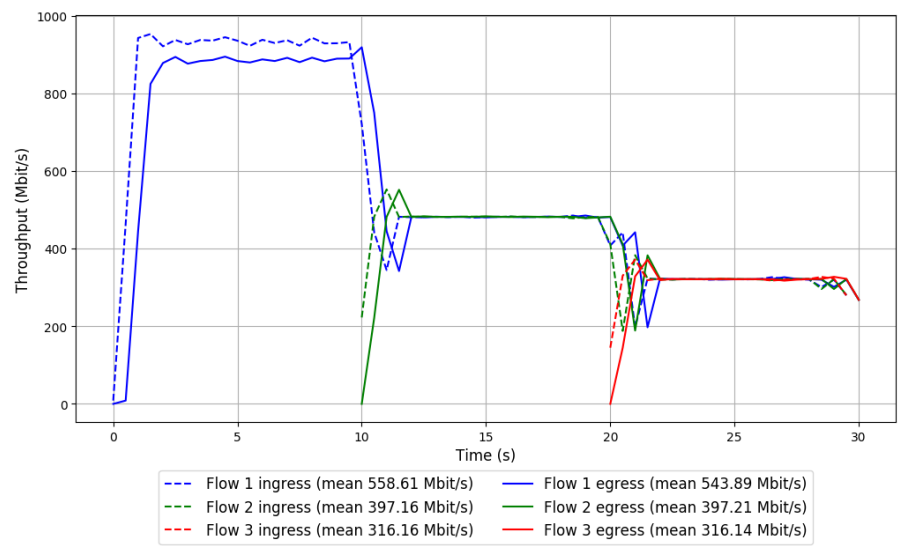
-- Flow 3:

Average throughput: 316.14 Mbit/s

95th percentile per-packet one-way delay: 4.202 ms

Loss rate: 0.23%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-04 11:35:27

End at: 2018-07-04 11:35:57

Local clock offset: -0.44 ms

Remote clock offset: 5.106 ms

Below is generated by plot.py at 2018-07-04 16:41:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 924.41 Mbit/s

95th percentile per-packet one-way delay: 32.167 ms

Loss rate: 1.09%

-- Flow 1:

Average throughput: 554.51 Mbit/s

95th percentile per-packet one-way delay: 33.941 ms

Loss rate: 1.73%

-- Flow 2:

Average throughput: 398.00 Mbit/s

95th percentile per-packet one-way delay: 3.764 ms

Loss rate: 0.09%

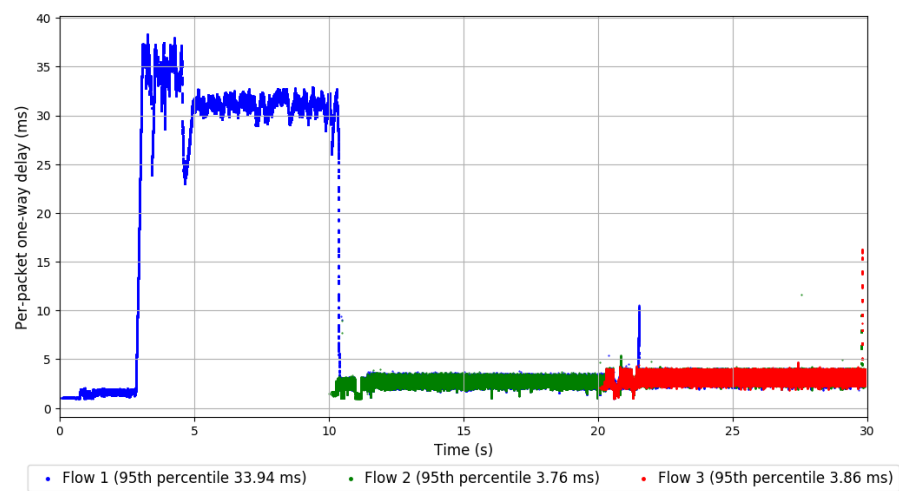
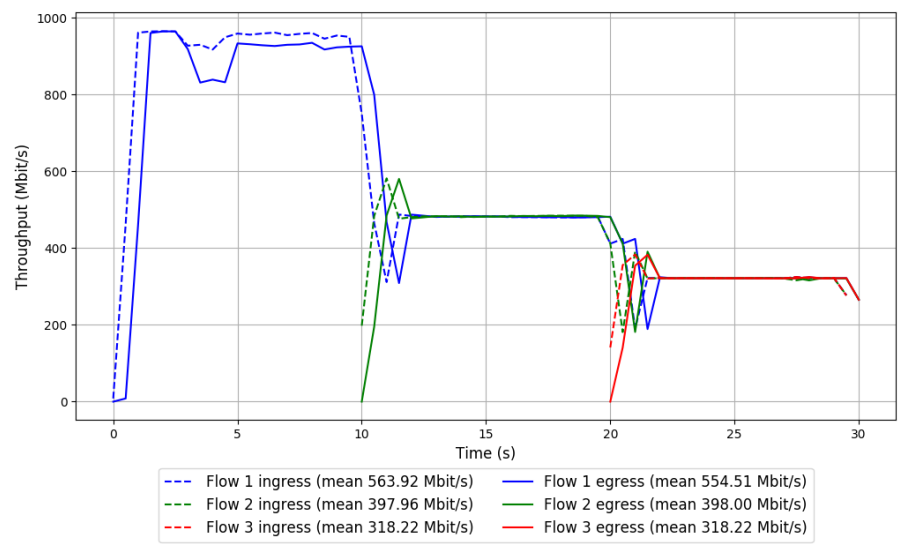
-- Flow 3:

Average throughput: 318.22 Mbit/s

95th percentile per-packet one-way delay: 3.861 ms

Loss rate: 0.21%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-04 12:02:23

End at: 2018-07-04 12:02:53

Local clock offset: -0.448 ms

Remote clock offset: 0.251 ms

Below is generated by plot.py at 2018-07-04 16:41:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 937.09 Mbit/s

95th percentile per-packet one-way delay: 3.601 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 567.63 Mbit/s

95th percentile per-packet one-way delay: 3.403 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 397.98 Mbit/s

95th percentile per-packet one-way delay: 3.646 ms

Loss rate: 0.09%

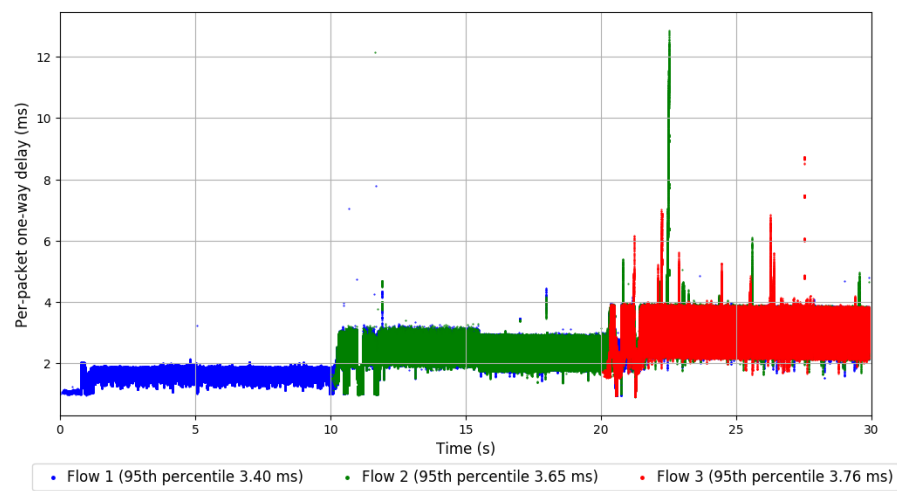
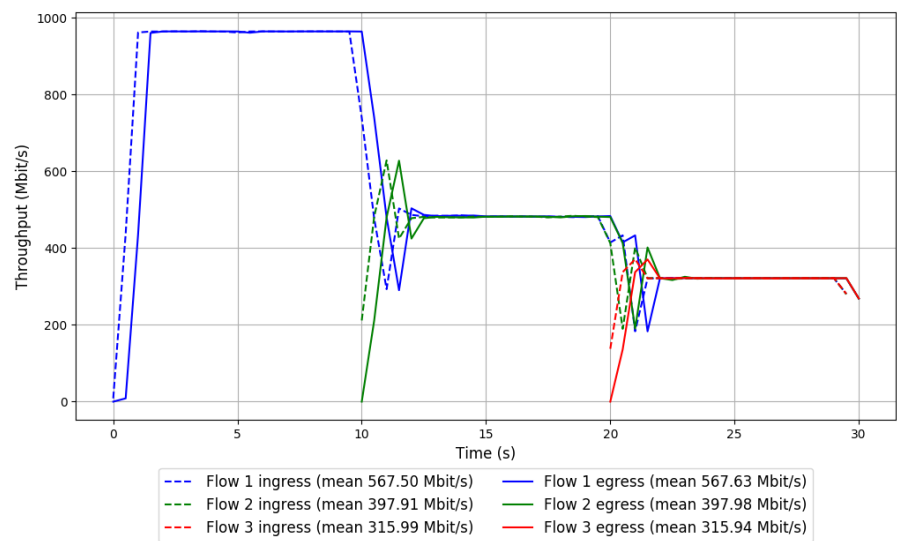
-- Flow 3:

Average throughput: 315.94 Mbit/s

95th percentile per-packet one-way delay: 3.756 ms

Loss rate: 0.22%

Run 3: Report of FillP-Sheep — Data Link

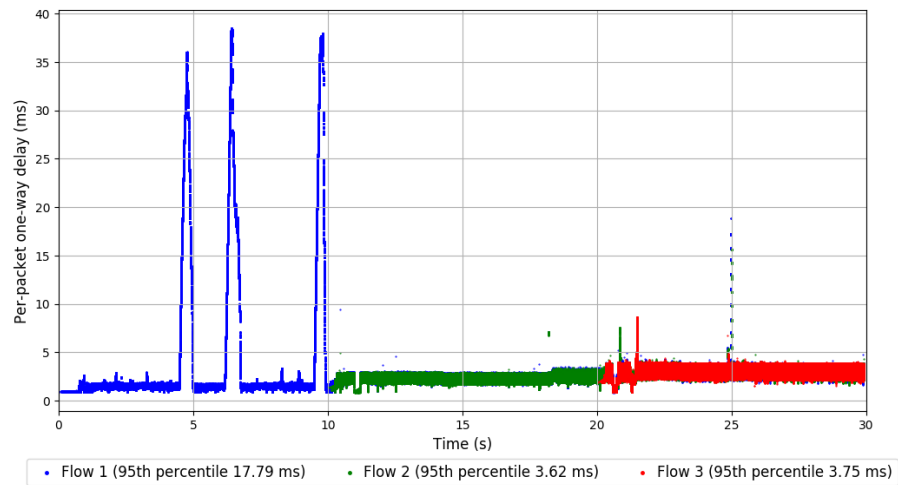
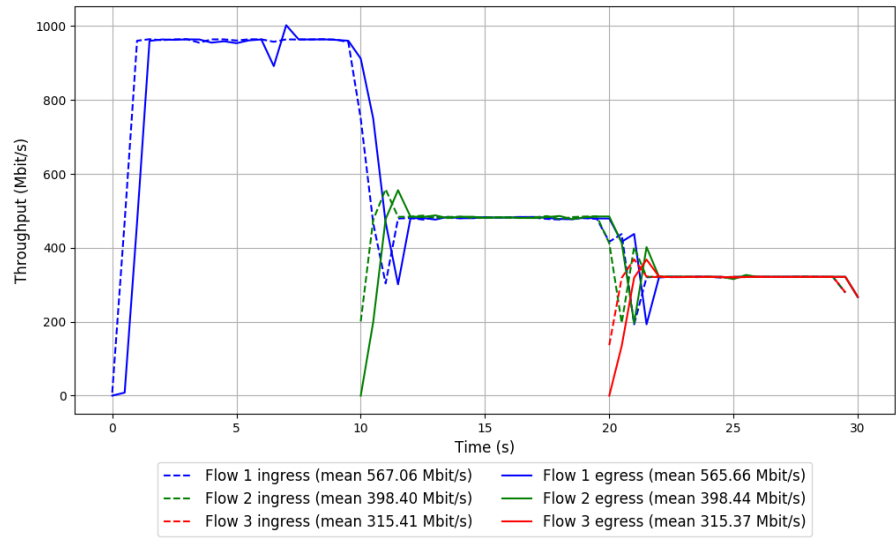


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-04 12:29:17
End at: 2018-07-04 12:29:47
Local clock offset: 4.065 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-04 16:41:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 934.82 Mbit/s
95th percentile per-packet one-way delay: 3.881 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 565.66 Mbit/s
95th percentile per-packet one-way delay: 17.794 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 398.44 Mbit/s
95th percentile per-packet one-way delay: 3.615 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 315.37 Mbit/s
95th percentile per-packet one-way delay: 3.749 ms
Loss rate: 0.22%

Run 4: Report of FillP-Sheep — Data Link

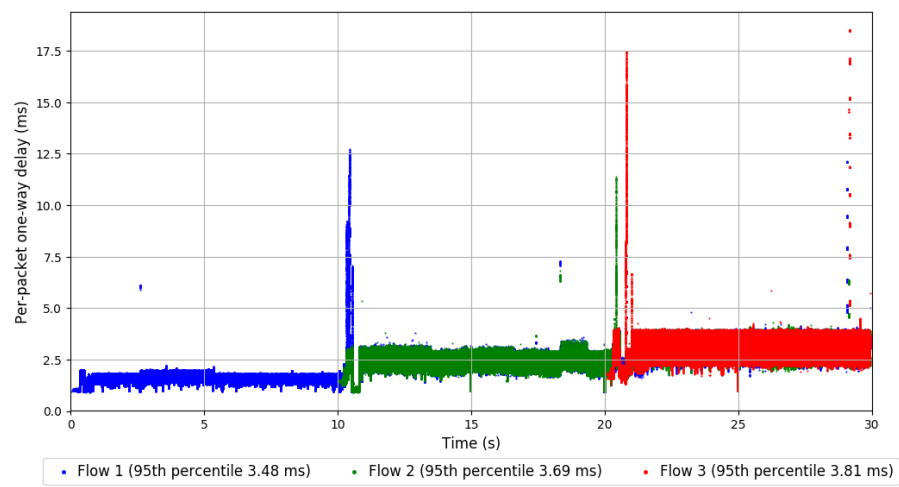
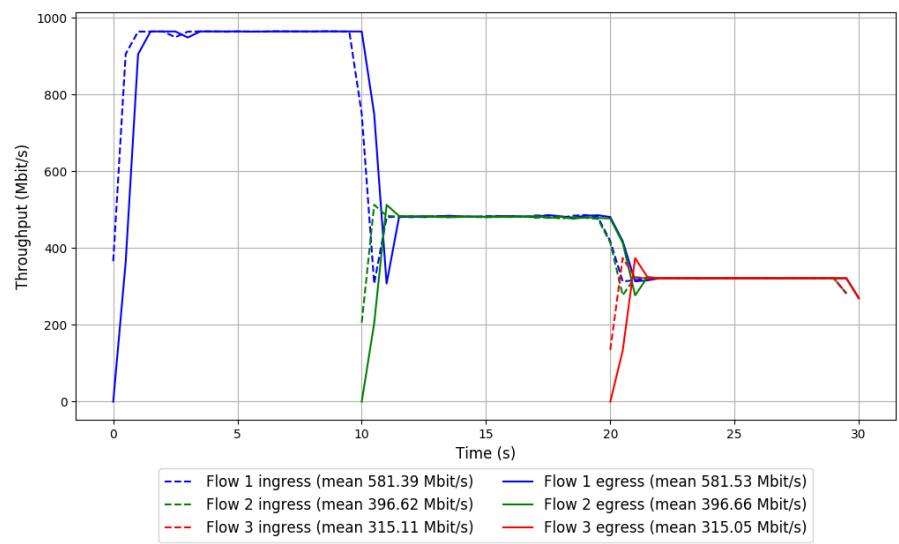


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-04 12:56:22
End at: 2018-07-04 12:56:52
Local clock offset: 5.407 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-04 16:41:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 949.73 Mbit/s
95th percentile per-packet one-way delay: 3.656 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 581.53 Mbit/s
95th percentile per-packet one-way delay: 3.478 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 396.66 Mbit/s
95th percentile per-packet one-way delay: 3.686 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 315.05 Mbit/s
95th percentile per-packet one-way delay: 3.807 ms
Loss rate: 0.22%

Run 5: Report of FillP-Sheep — Data Link

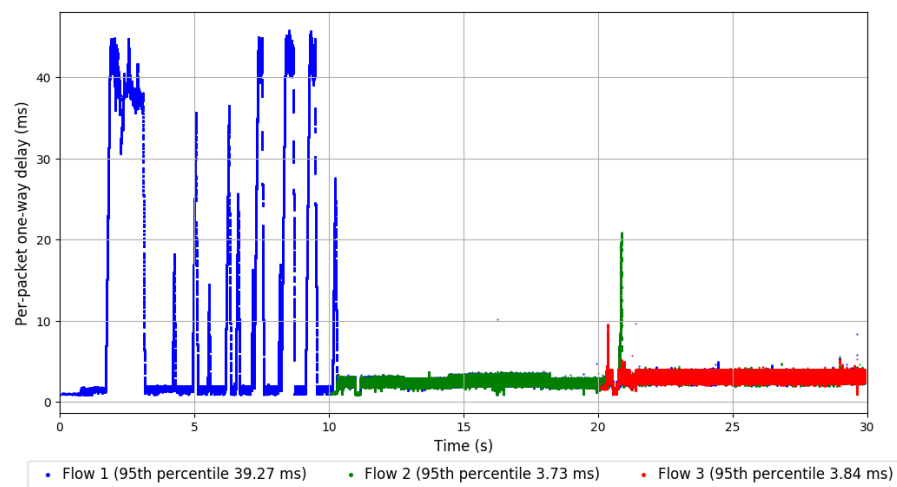
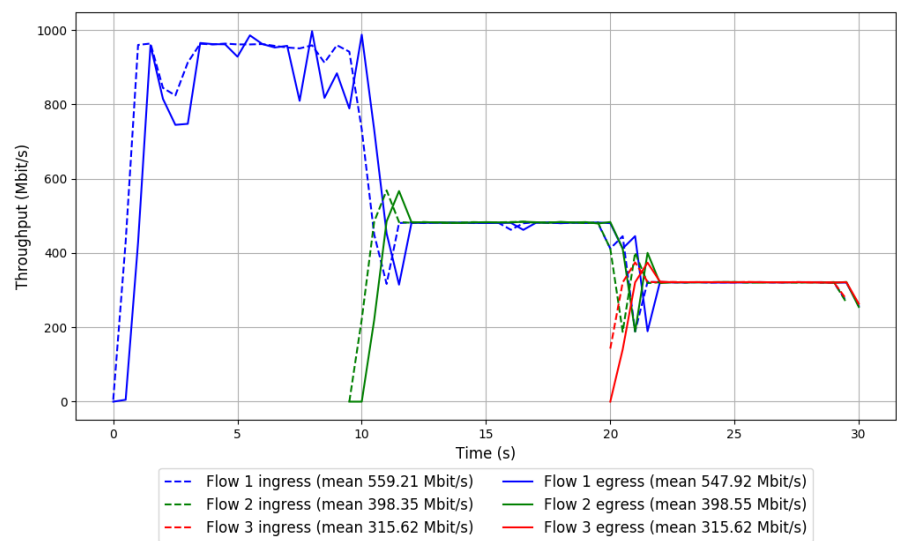


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-04 13:23:30
End at: 2018-07-04 13:24:00
Local clock offset: -0.334 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-04 16:42:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 917.63 Mbit/s
95th percentile per-packet one-way delay: 36.087 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 547.92 Mbit/s
95th percentile per-packet one-way delay: 39.268 ms
Loss rate: 2.09%
-- Flow 2:
Average throughput: 398.55 Mbit/s
95th percentile per-packet one-way delay: 3.732 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 315.62 Mbit/s
95th percentile per-packet one-way delay: 3.842 ms
Loss rate: 0.22%

Run 6: Report of FillP-Sheep — Data Link

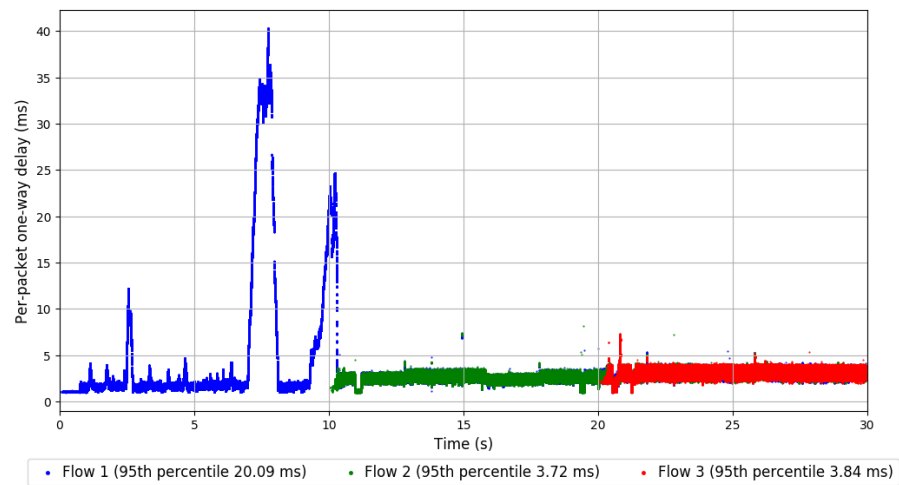
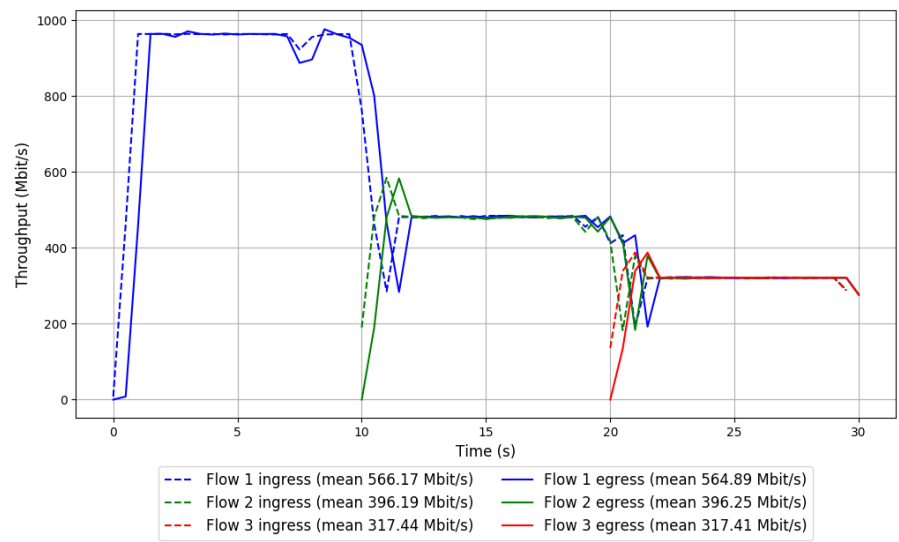


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-04 13:50:24
End at: 2018-07-04 13:50:54
Local clock offset: 2.799 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-07-04 16:47:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 933.33 Mbit/s
95th percentile per-packet one-way delay: 9.922 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 564.89 Mbit/s
95th percentile per-packet one-way delay: 20.095 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 396.25 Mbit/s
95th percentile per-packet one-way delay: 3.722 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 317.41 Mbit/s
95th percentile per-packet one-way delay: 3.843 ms
Loss rate: 0.21%

Run 7: Report of FillP-Sheep — Data Link

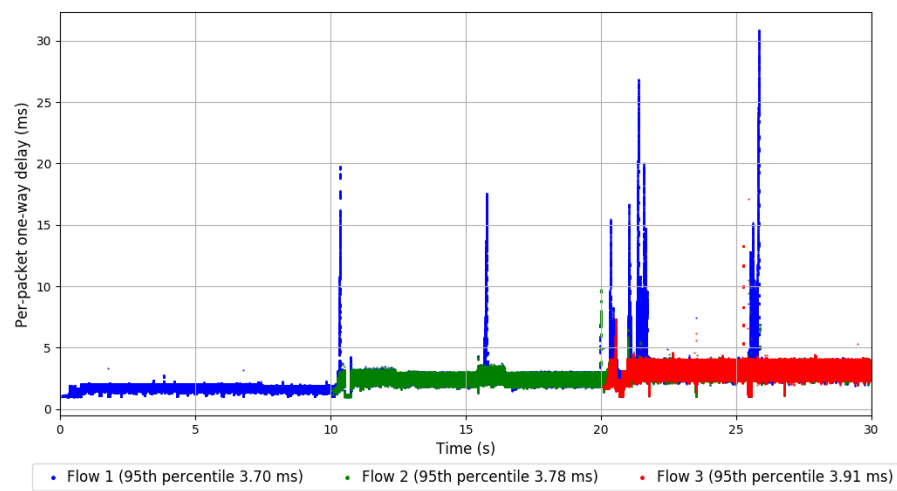
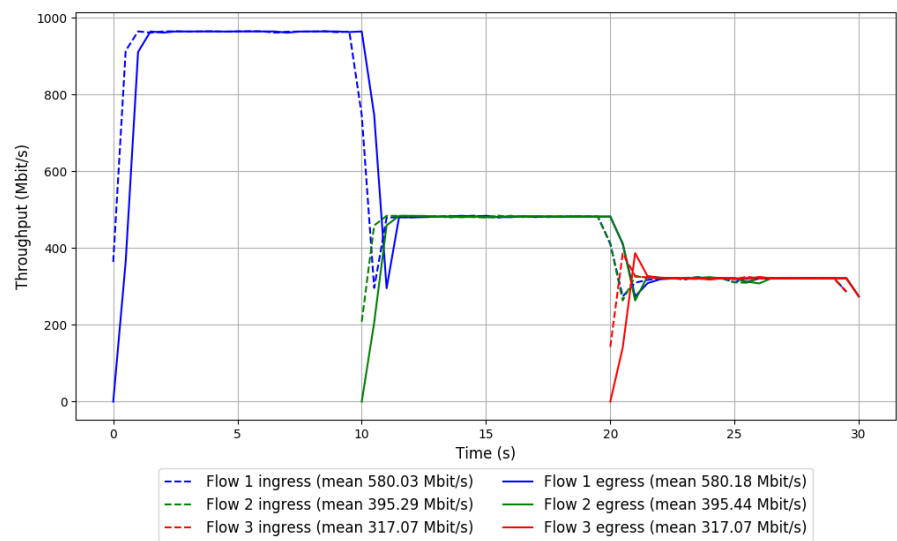


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-04 14:17:36
End at: 2018-07-04 14:18:06
Local clock offset: 0.373 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-07-04 16:48:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 947.95 Mbit/s
95th percentile per-packet one-way delay: 3.799 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 580.18 Mbit/s
95th percentile per-packet one-way delay: 3.699 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 395.44 Mbit/s
95th percentile per-packet one-way delay: 3.783 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 317.07 Mbit/s
95th percentile per-packet one-way delay: 3.907 ms
Loss rate: 0.24%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-04 14:44:31

End at: 2018-07-04 14:45:01

Local clock offset: 0.042 ms

Remote clock offset: 2.98 ms

Below is generated by plot.py at 2018-07-04 16:53:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 925.44 Mbit/s

95th percentile per-packet one-way delay: 33.676 ms

Loss rate: 1.11%

-- Flow 1:

Average throughput: 555.39 Mbit/s

95th percentile per-packet one-way delay: 34.426 ms

Loss rate: 1.76%

-- Flow 2:

Average throughput: 399.71 Mbit/s

95th percentile per-packet one-way delay: 3.865 ms

Loss rate: 0.09%

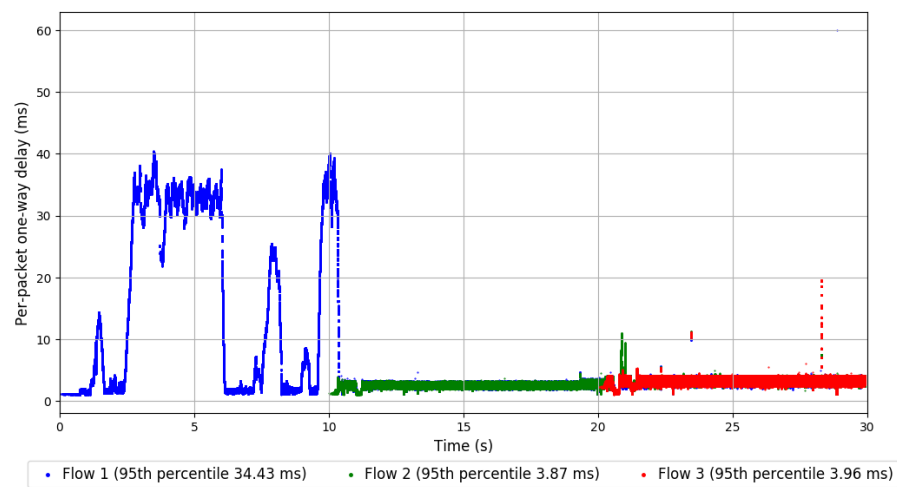
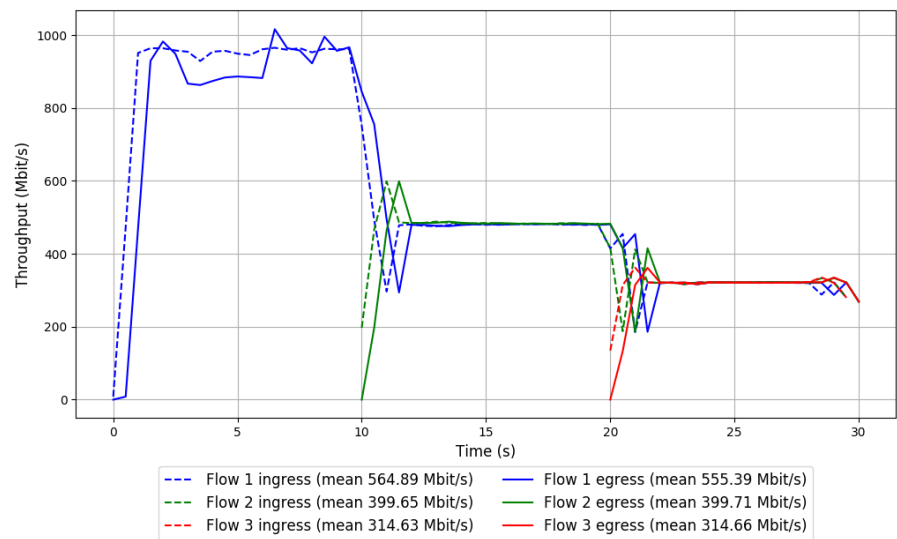
-- Flow 3:

Average throughput: 314.66 Mbit/s

95th percentile per-packet one-way delay: 3.965 ms

Loss rate: 0.21%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-04 15:11:32

End at: 2018-07-04 15:12:02

Local clock offset: -0.093 ms

Remote clock offset: 1.593 ms

Below is generated by plot.py at 2018-07-04 16:54:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 931.07 Mbit/s

95th percentile per-packet one-way delay: 27.065 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 561.53 Mbit/s

95th percentile per-packet one-way delay: 32.184 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 400.30 Mbit/s

95th percentile per-packet one-way delay: 3.629 ms

Loss rate: 0.09%

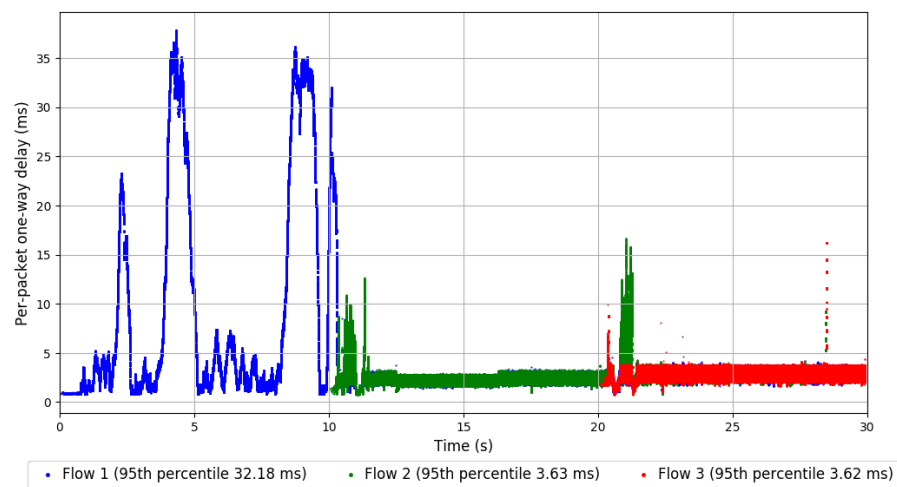
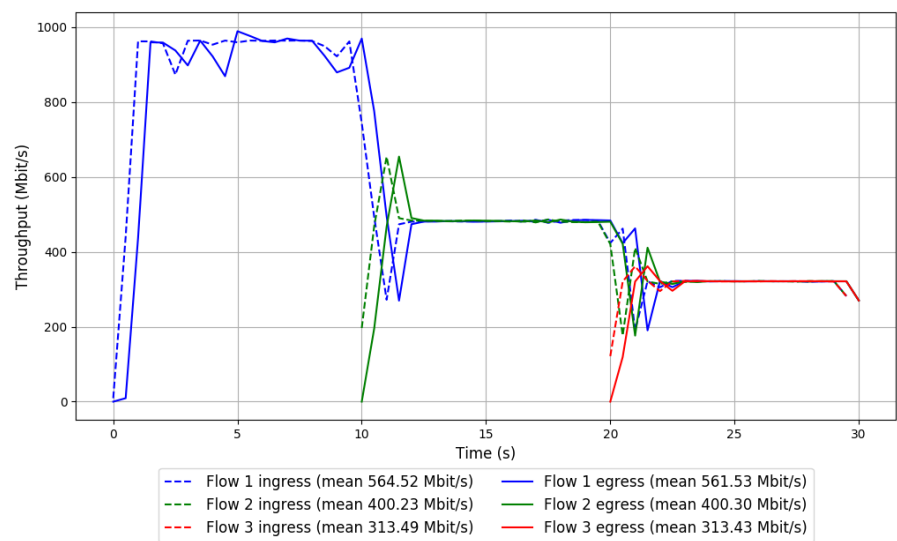
-- Flow 3:

Average throughput: 313.43 Mbit/s

95th percentile per-packet one-way delay: 3.621 ms

Loss rate: 0.21%

Run 10: Report of FillP-Sheep — Data Link

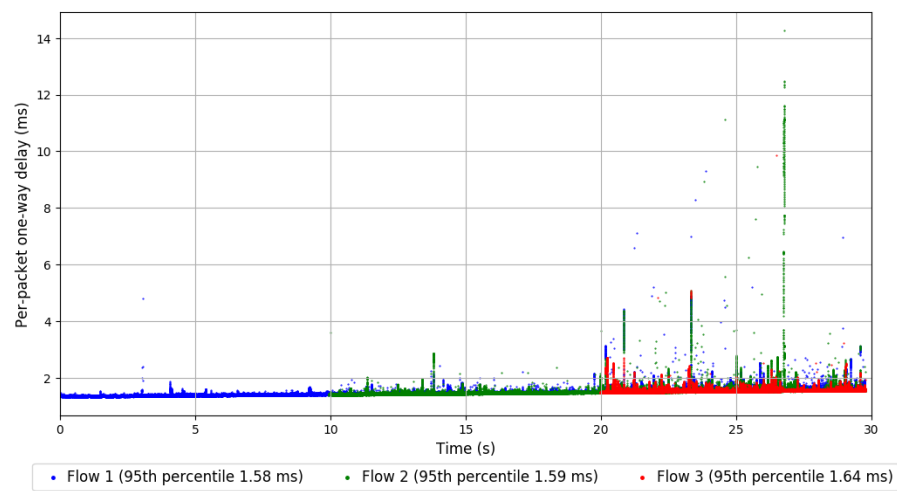
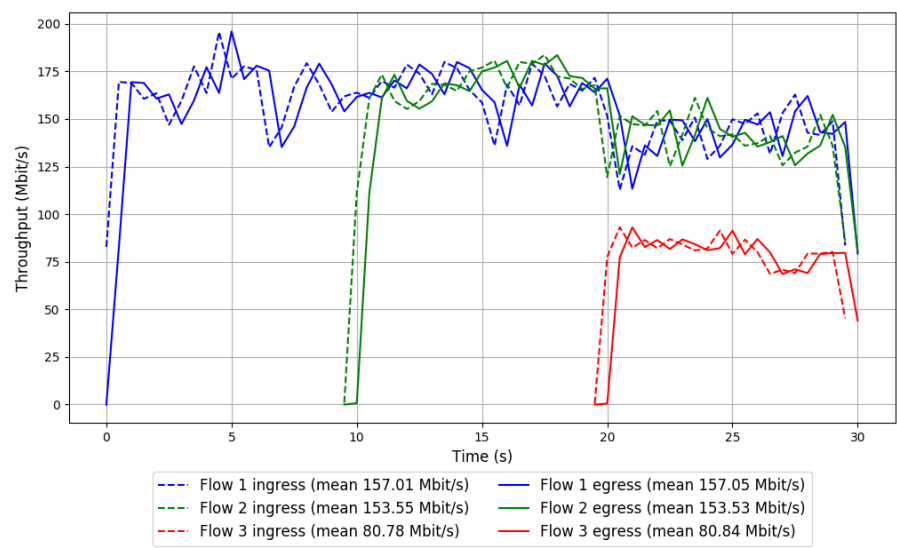


Run 1: Statistics of Indigo

Start at: 2018-07-04 11:03:43
End at: 2018-07-04 11:04:13
Local clock offset: 4.09 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2018-07-04 16:54:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 285.95 Mbit/s
95th percentile per-packet one-way delay: 1.589 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 157.05 Mbit/s
95th percentile per-packet one-way delay: 1.585 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 153.53 Mbit/s
95th percentile per-packet one-way delay: 1.588 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 80.84 Mbit/s
95th percentile per-packet one-way delay: 1.637 ms
Loss rate: 0.11%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-04 11:30:38

End at: 2018-07-04 11:31:08

Local clock offset: -0.49 ms

Remote clock offset: 4.635 ms

Below is generated by plot.py at 2018-07-04 16:54:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 288.46 Mbit/s

95th percentile per-packet one-way delay: 1.116 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 146.27 Mbit/s

95th percentile per-packet one-way delay: 1.095 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 157.58 Mbit/s

95th percentile per-packet one-way delay: 1.126 ms

Loss rate: 0.12%

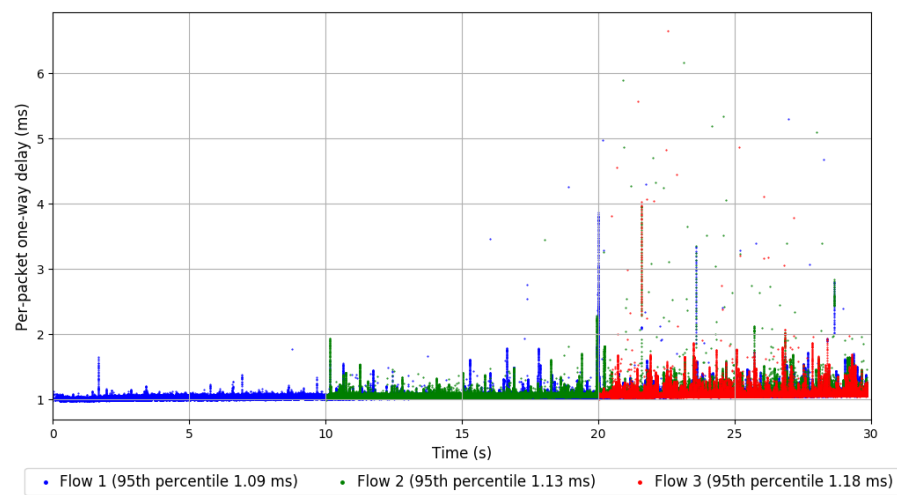
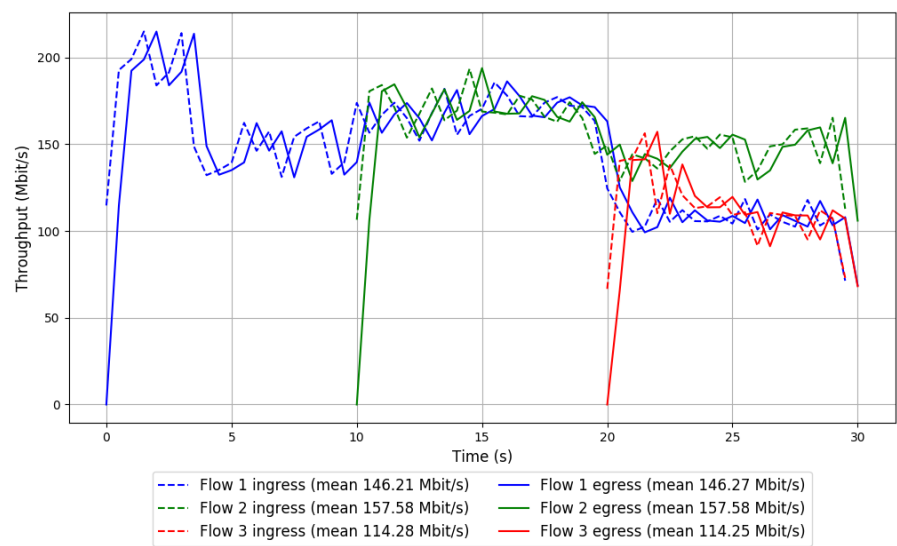
-- Flow 3:

Average throughput: 114.25 Mbit/s

95th percentile per-packet one-way delay: 1.178 ms

Loss rate: 0.21%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-04 11:57:34

End at: 2018-07-04 11:58:04

Local clock offset: -0.489 ms

Remote clock offset: 0.547 ms

Below is generated by plot.py at 2018-07-04 16:54:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 297.97 Mbit/s

95th percentile per-packet one-way delay: 0.952 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 165.52 Mbit/s

95th percentile per-packet one-way delay: 0.941 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 150.94 Mbit/s

95th percentile per-packet one-way delay: 0.968 ms

Loss rate: 0.08%

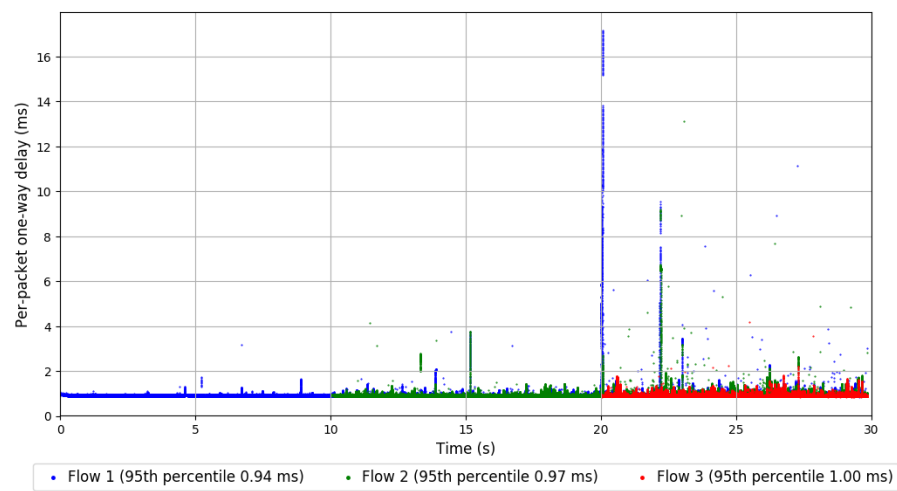
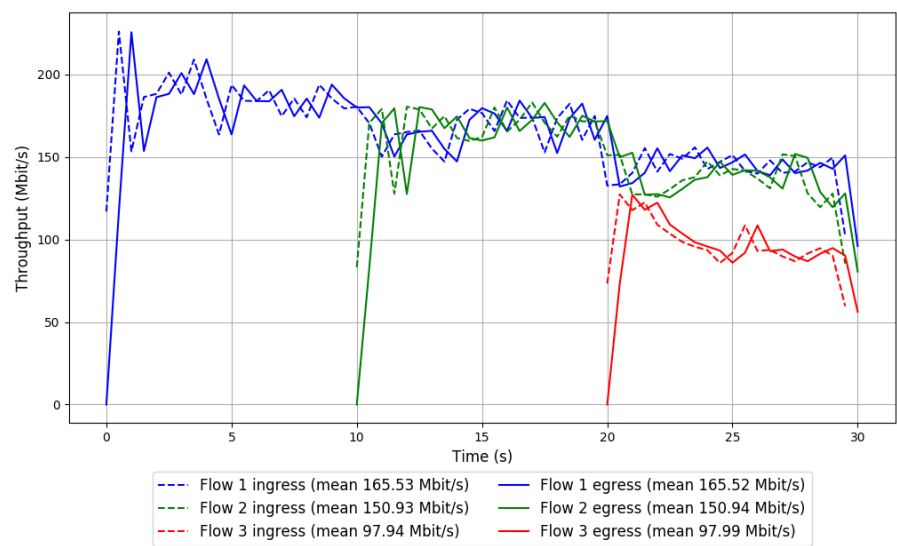
-- Flow 3:

Average throughput: 97.99 Mbit/s

95th percentile per-packet one-way delay: 1.000 ms

Loss rate: 0.18%

Run 3: Report of Indigo — Data Link

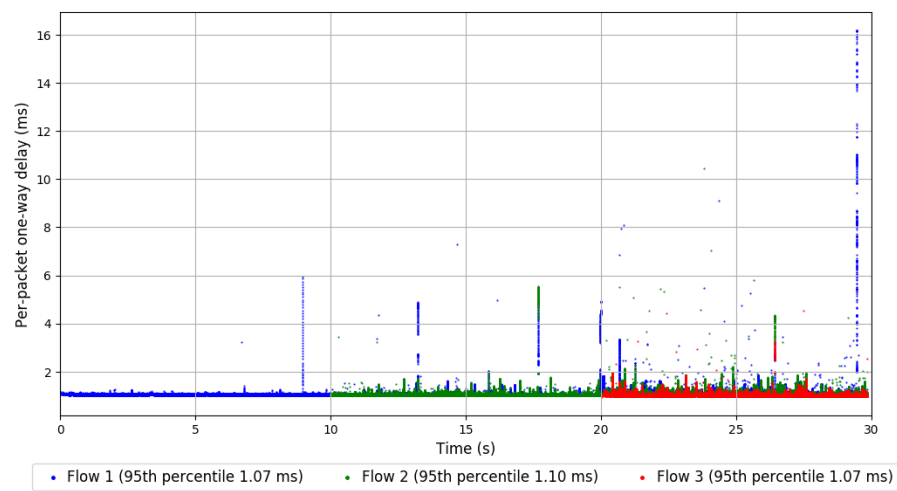
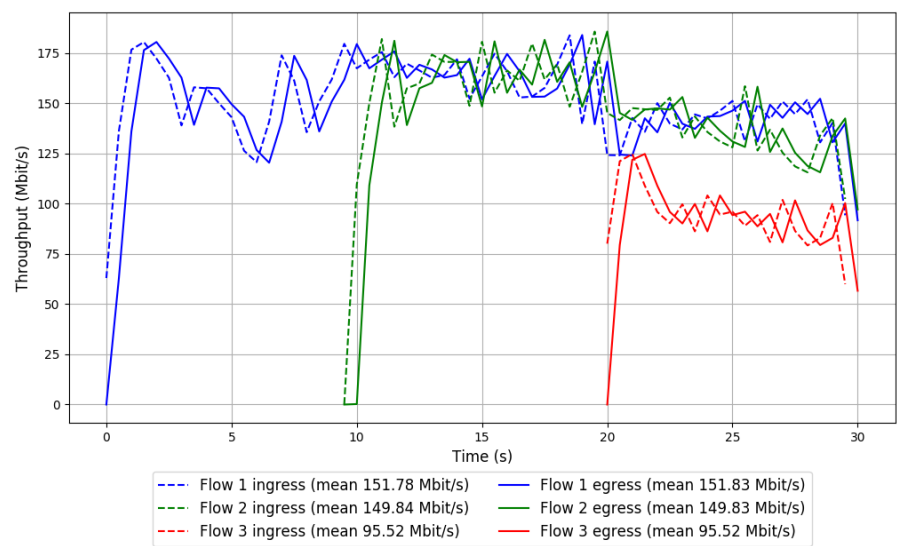


Run 4: Statistics of Indigo

Start at: 2018-07-04 12:24:24
End at: 2018-07-04 12:24:54
Local clock offset: 3.851 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-07-04 16:54:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 282.86 Mbit/s
95th percentile per-packet one-way delay: 1.074 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 151.83 Mbit/s
95th percentile per-packet one-way delay: 1.067 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 149.83 Mbit/s
95th percentile per-packet one-way delay: 1.099 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 95.52 Mbit/s
95th percentile per-packet one-way delay: 1.071 ms
Loss rate: 0.18%

Run 4: Report of Indigo — Data Link

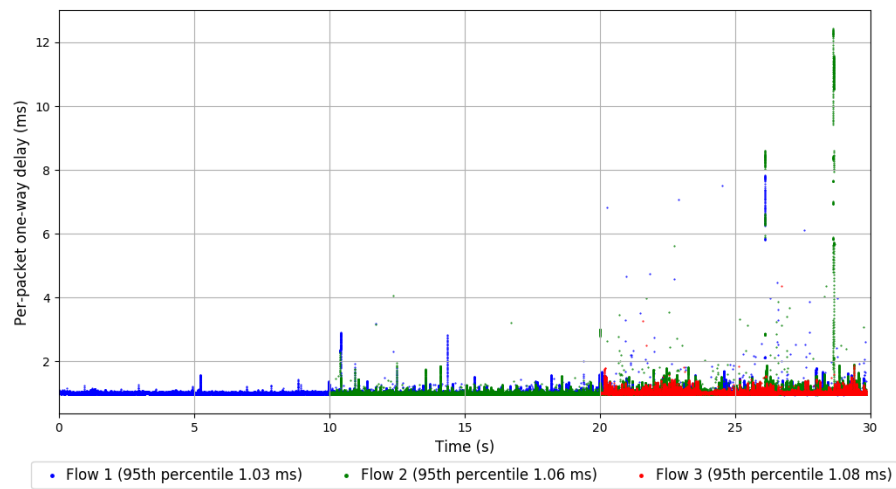
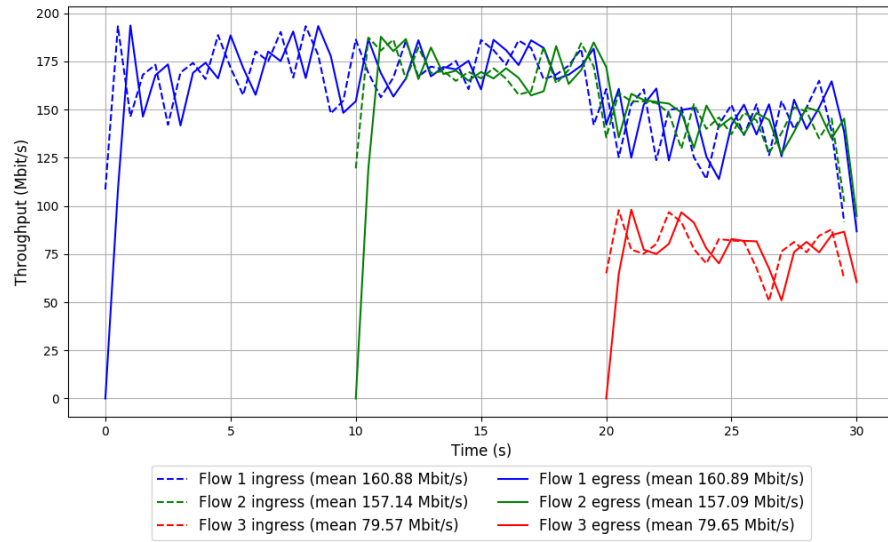


Run 5: Statistics of Indigo

Start at: 2018-07-04 12:51:29
End at: 2018-07-04 12:51:59
Local clock offset: 5.165 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-07-04 16:54:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 291.48 Mbit/s
95th percentile per-packet one-way delay: 1.043 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 160.89 Mbit/s
95th percentile per-packet one-way delay: 1.032 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 157.09 Mbit/s
95th percentile per-packet one-way delay: 1.059 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 79.65 Mbit/s
95th percentile per-packet one-way delay: 1.084 ms
Loss rate: 0.20%

Run 5: Report of Indigo — Data Link

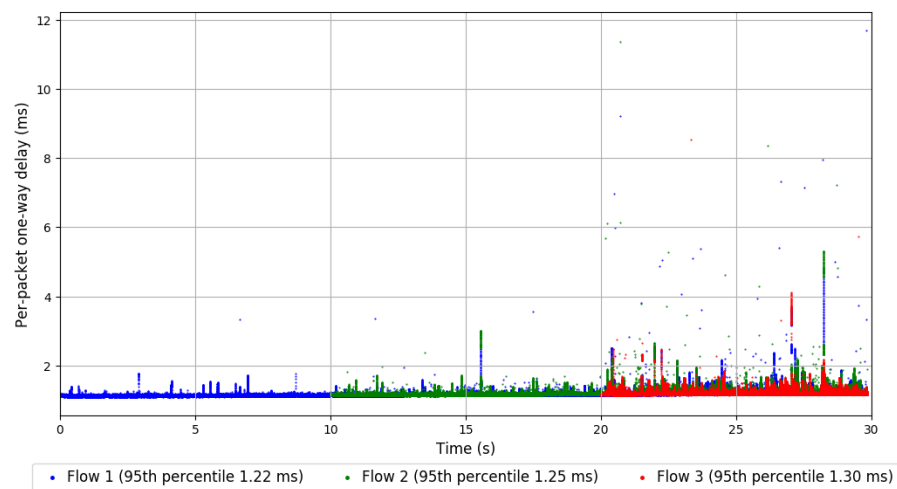
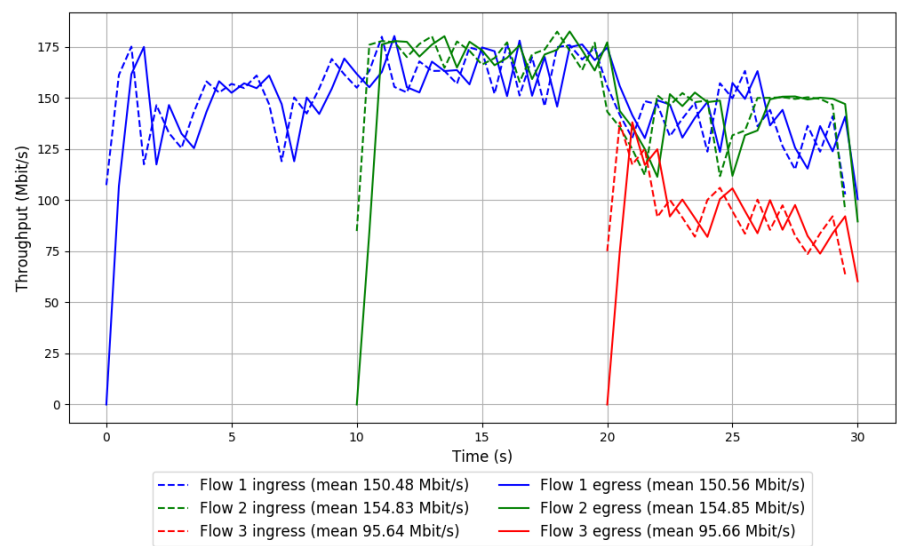


Run 6: Statistics of Indigo

Start at: 2018-07-04 13:18:31
End at: 2018-07-04 13:19:01
Local clock offset: 0.453 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-04 16:54:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 284.94 Mbit/s
95th percentile per-packet one-way delay: 1.242 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 150.56 Mbit/s
95th percentile per-packet one-way delay: 1.221 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 154.85 Mbit/s
95th percentile per-packet one-way delay: 1.253 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 95.66 Mbit/s
95th percentile per-packet one-way delay: 1.296 ms
Loss rate: 0.18%

Run 6: Report of Indigo — Data Link

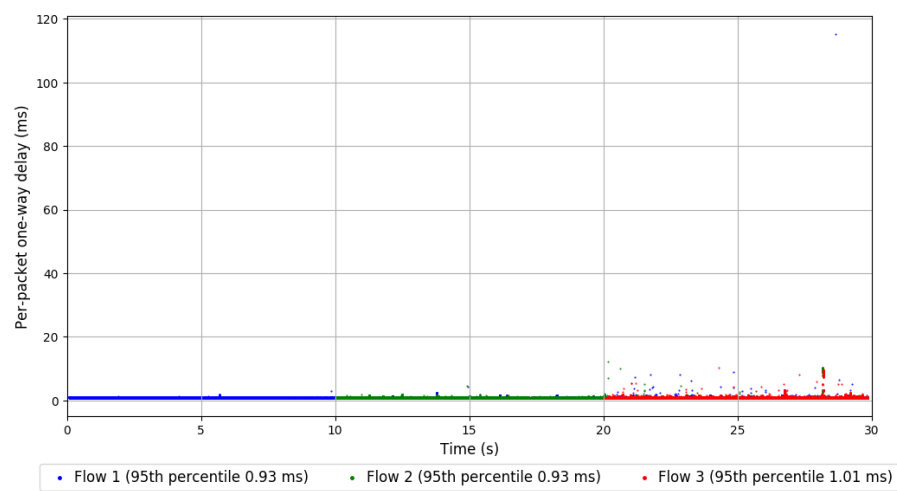
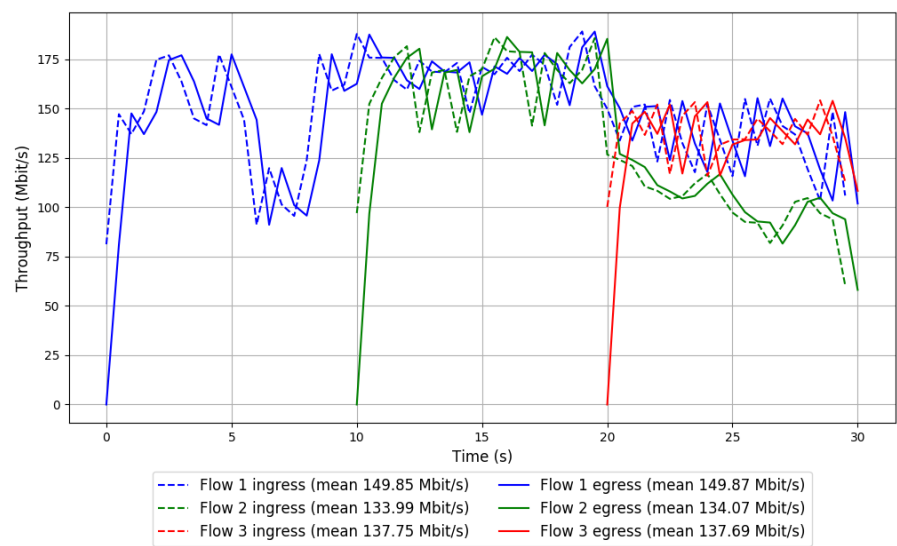


Run 7: Statistics of Indigo

Start at: 2018-07-04 13:45:34
End at: 2018-07-04 13:46:04
Local clock offset: 2.211 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2018-07-04 16:54:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 284.31 Mbit/s
95th percentile per-packet one-way delay: 0.937 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 149.87 Mbit/s
95th percentile per-packet one-way delay: 0.929 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 134.07 Mbit/s
95th percentile per-packet one-way delay: 0.931 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 137.69 Mbit/s
95th percentile per-packet one-way delay: 1.007 ms
Loss rate: 0.24%

Run 7: Report of Indigo — Data Link

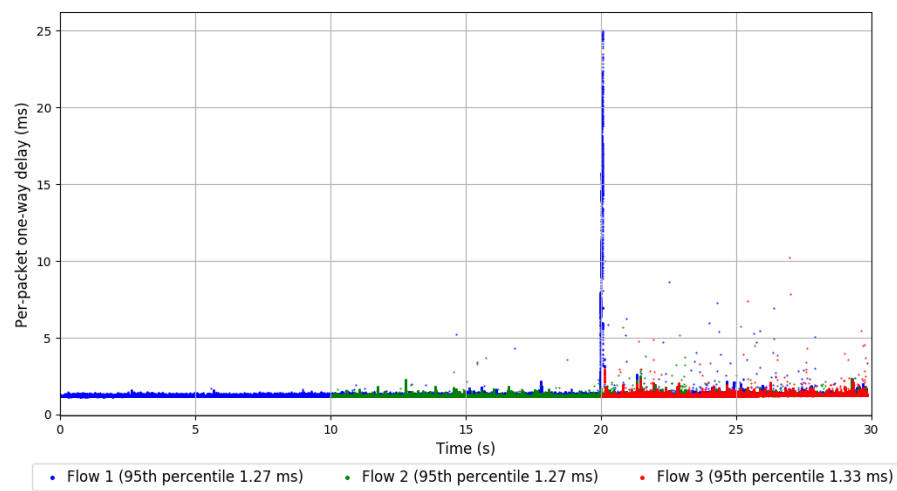
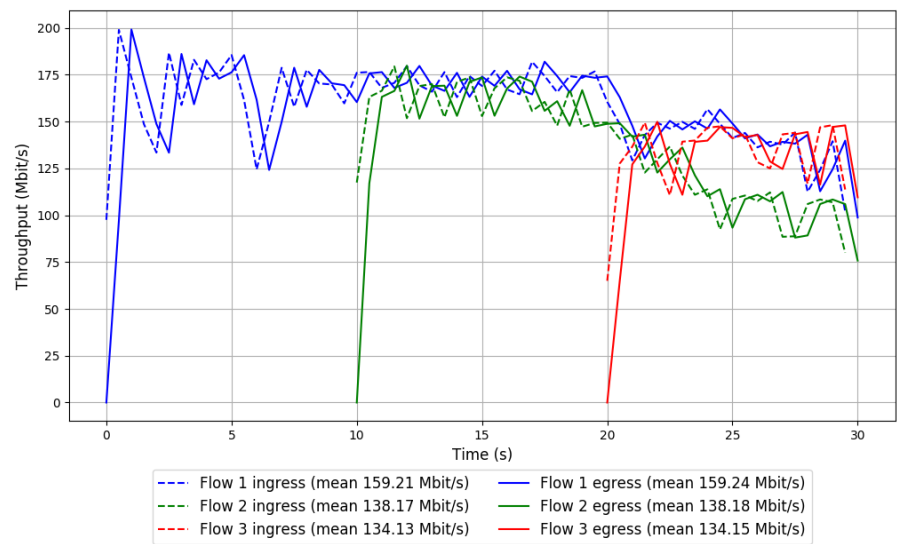


Run 8: Statistics of Indigo

Start at: 2018-07-04 14:12:41
End at: 2018-07-04 14:13:11
Local clock offset: 1.056 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-07-04 16:54:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 295.25 Mbit/s
95th percentile per-packet one-way delay: 1.283 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 159.24 Mbit/s
95th percentile per-packet one-way delay: 1.274 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 138.18 Mbit/s
95th percentile per-packet one-way delay: 1.274 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 134.15 Mbit/s
95th percentile per-packet one-way delay: 1.326 ms
Loss rate: 0.18%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-04 14:39:42

End at: 2018-07-04 14:40:12

Local clock offset: -0.066 ms

Remote clock offset: 2.413 ms

Below is generated by plot.py at 2018-07-04 16:54:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 286.90 Mbit/s

95th percentile per-packet one-way delay: 1.165 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 150.78 Mbit/s

95th percentile per-packet one-way delay: 1.135 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 153.28 Mbit/s

95th percentile per-packet one-way delay: 1.185 ms

Loss rate: 0.09%

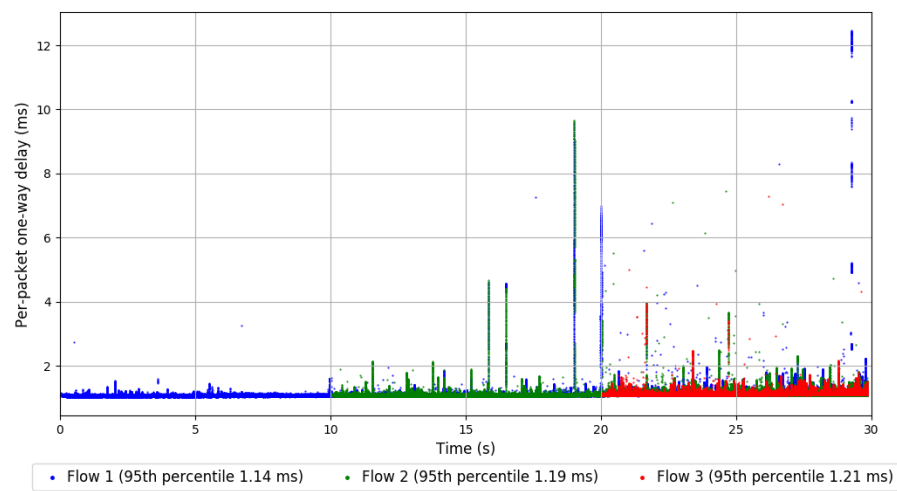
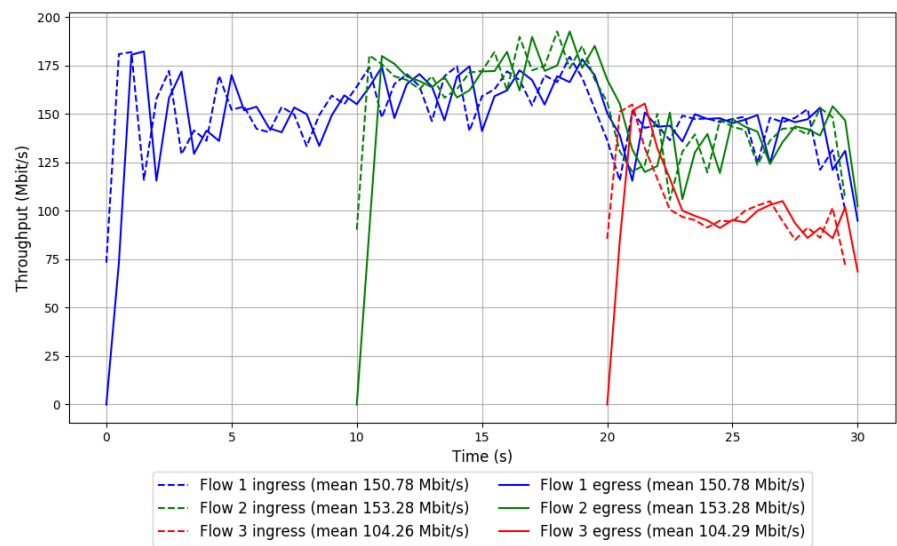
-- Flow 3:

Average throughput: 104.29 Mbit/s

95th percentile per-packet one-way delay: 1.213 ms

Loss rate: 0.16%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-04 15:06:37

End at: 2018-07-04 15:07:07

Local clock offset: -0.101 ms

Remote clock offset: 3.16 ms

Below is generated by plot.py at 2018-07-04 16:54:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 295.38 Mbit/s

95th percentile per-packet one-way delay: 0.810 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 159.35 Mbit/s

95th percentile per-packet one-way delay: 0.813 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 146.81 Mbit/s

95th percentile per-packet one-way delay: 0.789 ms

Loss rate: 0.09%

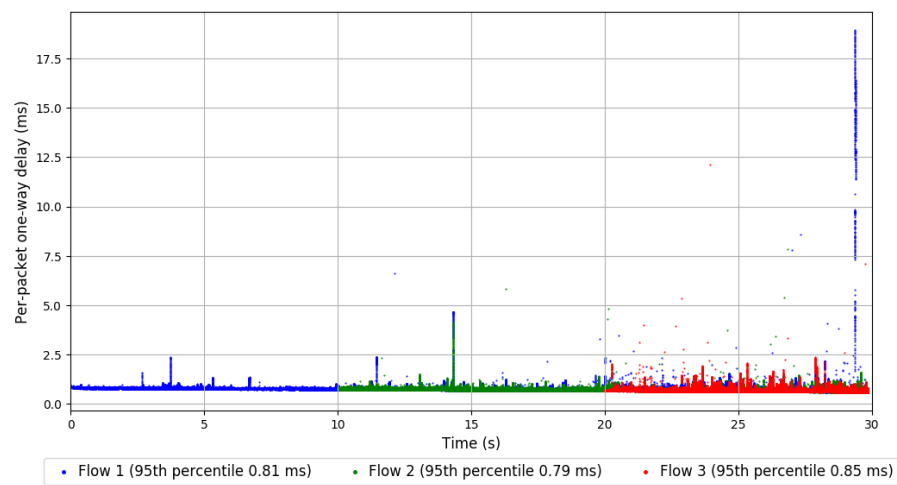
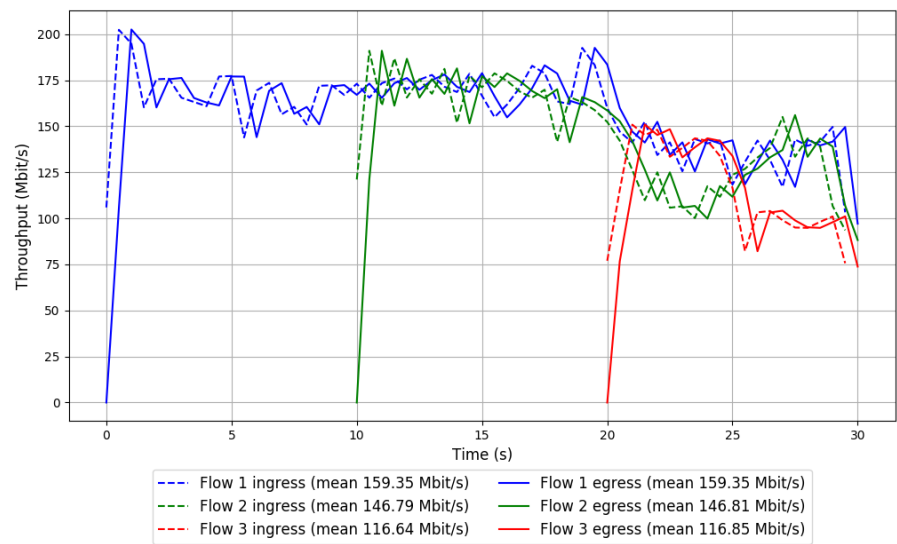
-- Flow 3:

Average throughput: 116.85 Mbit/s

95th percentile per-packet one-way delay: 0.848 ms

Loss rate: 0.09%

Run 10: Report of Indigo — Data Link

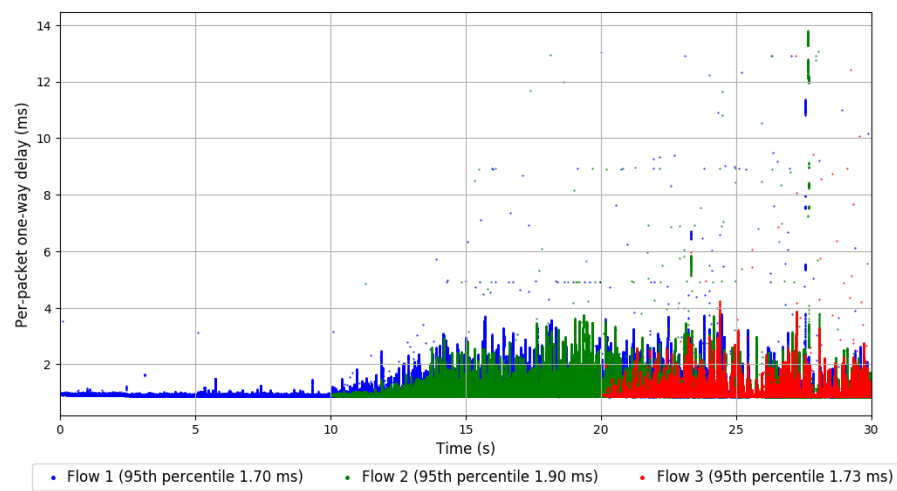
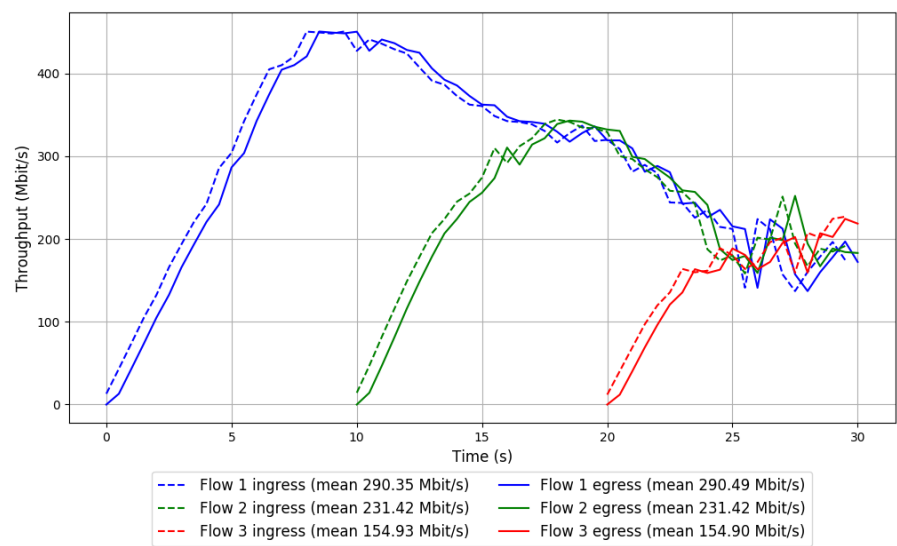


Run 1: Statistics of LEDBAT

Start at: 2018-07-04 10:50:43
End at: 2018-07-04 10:51:13
Local clock offset: 3.517 ms
Remote clock offset: -0.214 ms

Below is generated by plot.py at 2018-07-04 16:54:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 495.85 Mbit/s
95th percentile per-packet one-way delay: 1.774 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 290.49 Mbit/s
95th percentile per-packet one-way delay: 1.695 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 231.42 Mbit/s
95th percentile per-packet one-way delay: 1.901 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 154.90 Mbit/s
95th percentile per-packet one-way delay: 1.727 ms
Loss rate: 0.27%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-04 11:17:37

End at: 2018-07-04 11:18:07

Local clock offset: 0.524 ms

Remote clock offset: 3.098 ms

Below is generated by plot.py at 2018-07-04 16:54:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 505.03 Mbit/s

95th percentile per-packet one-way delay: 2.037 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 308.20 Mbit/s

95th percentile per-packet one-way delay: 1.979 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 209.85 Mbit/s

95th percentile per-packet one-way delay: 2.078 ms

Loss rate: 0.05%

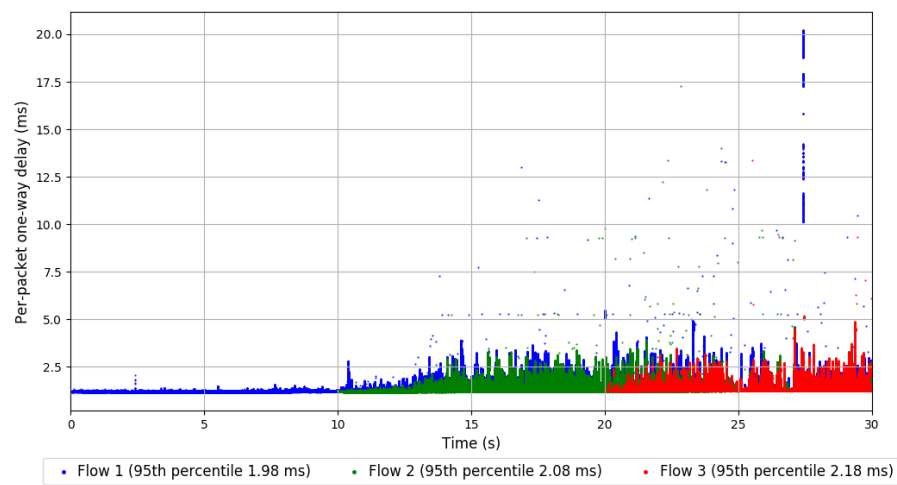
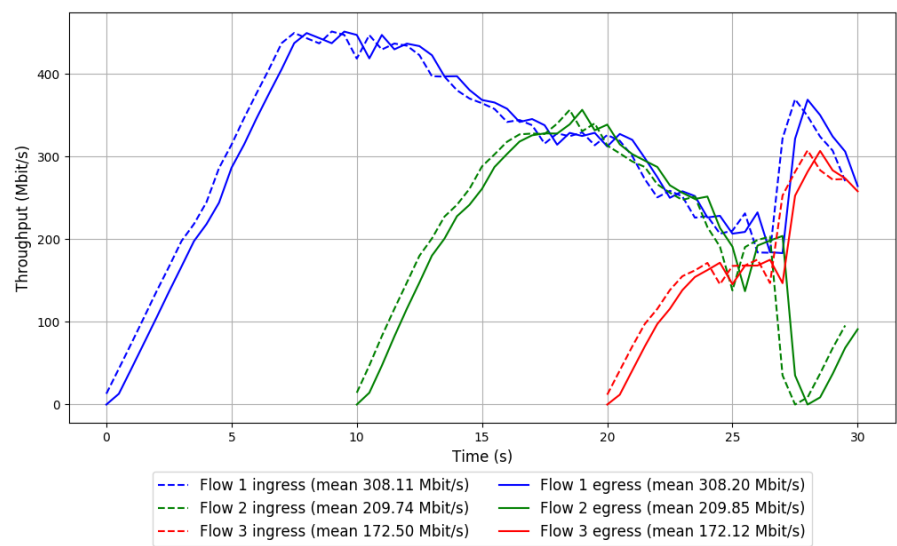
-- Flow 3:

Average throughput: 172.12 Mbit/s

95th percentile per-packet one-way delay: 2.177 ms

Loss rate: 0.43%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-04 11:44:33

End at: 2018-07-04 11:45:03

Local clock offset: -0.426 ms

Remote clock offset: 2.761 ms

Below is generated by plot.py at 2018-07-04 16:54:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 503.94 Mbit/s

95th percentile per-packet one-way delay: 1.668 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 302.91 Mbit/s

95th percentile per-packet one-way delay: 1.579 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 224.93 Mbit/s

95th percentile per-packet one-way delay: 1.842 ms

Loss rate: 0.00%

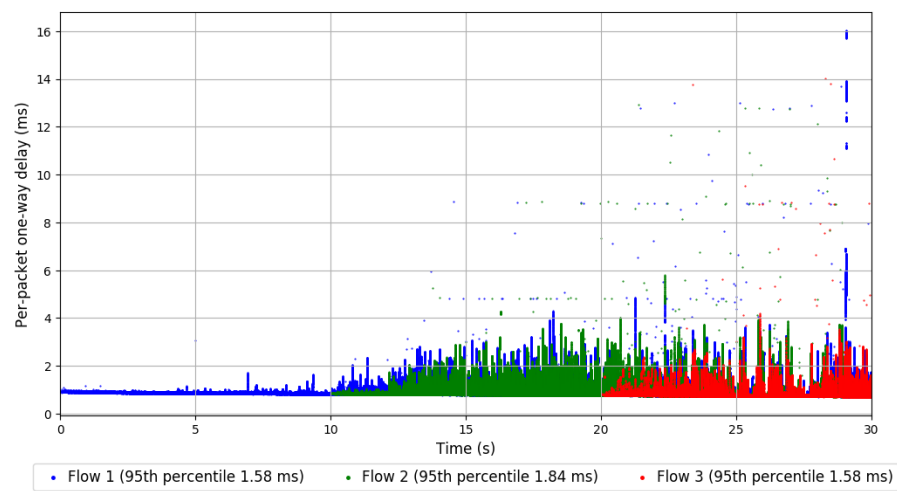
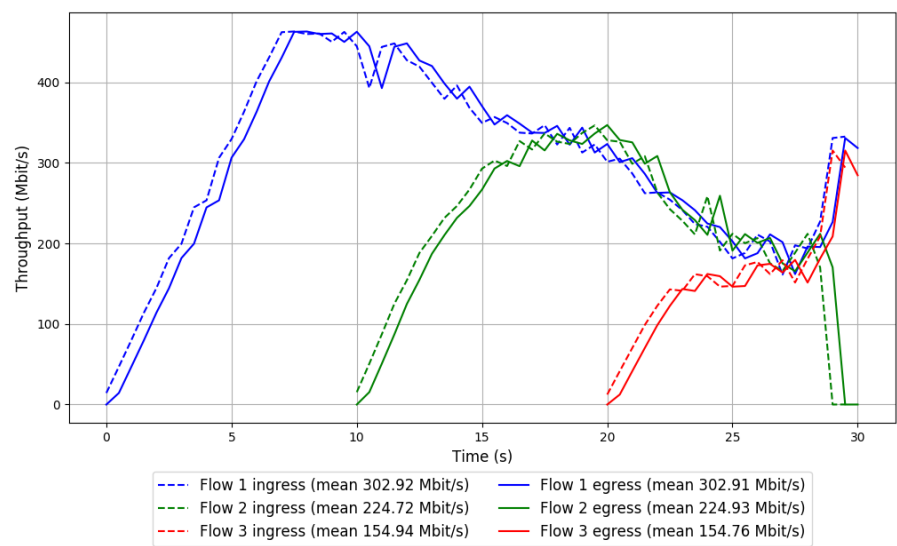
-- Flow 3:

Average throughput: 154.76 Mbit/s

95th percentile per-packet one-way delay: 1.579 ms

Loss rate: 0.31%

Run 3: Report of LEDBAT — Data Link

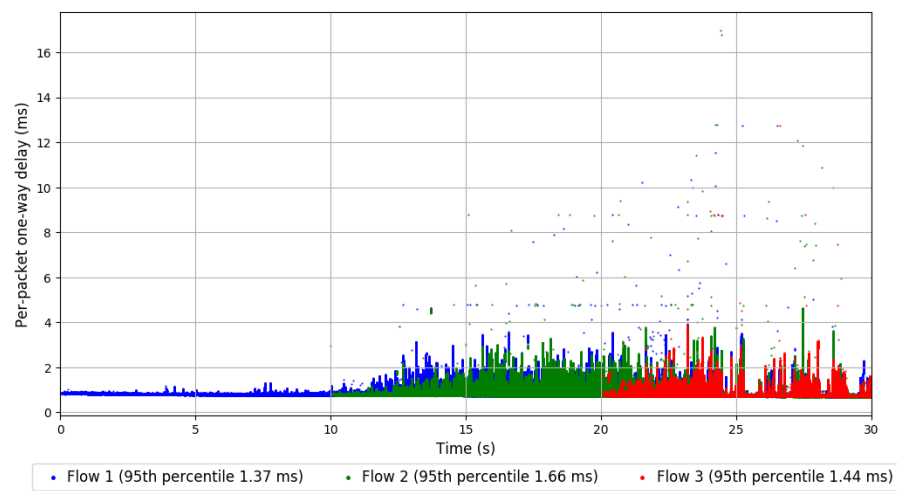
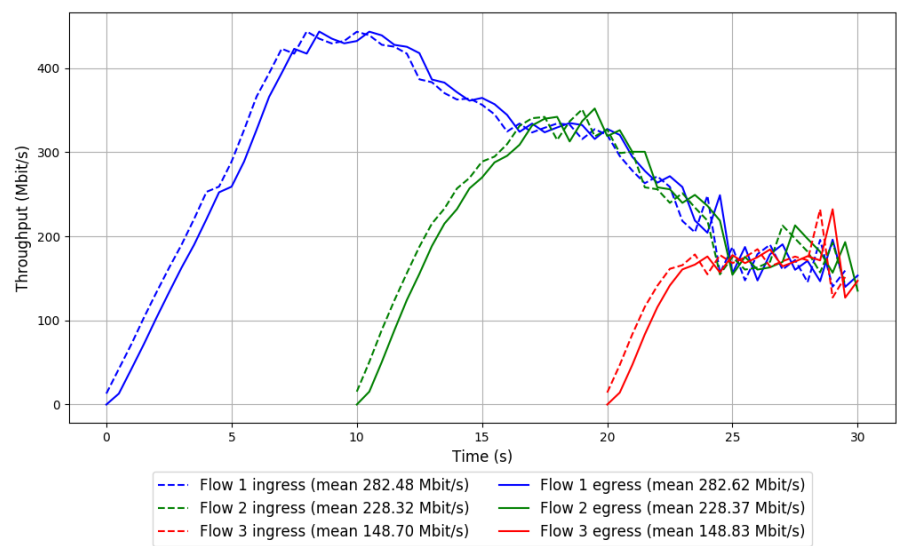


Run 4: Statistics of LEDBAT

Start at: 2018-07-04 12:11:24
End at: 2018-07-04 12:11:54
Local clock offset: 2.098 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-07-04 16:55:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 483.97 Mbit/s
95th percentile per-packet one-way delay: 1.477 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 282.62 Mbit/s
95th percentile per-packet one-way delay: 1.372 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 228.37 Mbit/s
95th percentile per-packet one-way delay: 1.658 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 148.83 Mbit/s
95th percentile per-packet one-way delay: 1.438 ms
Loss rate: 0.16%

Run 4: Report of LEDBAT — Data Link

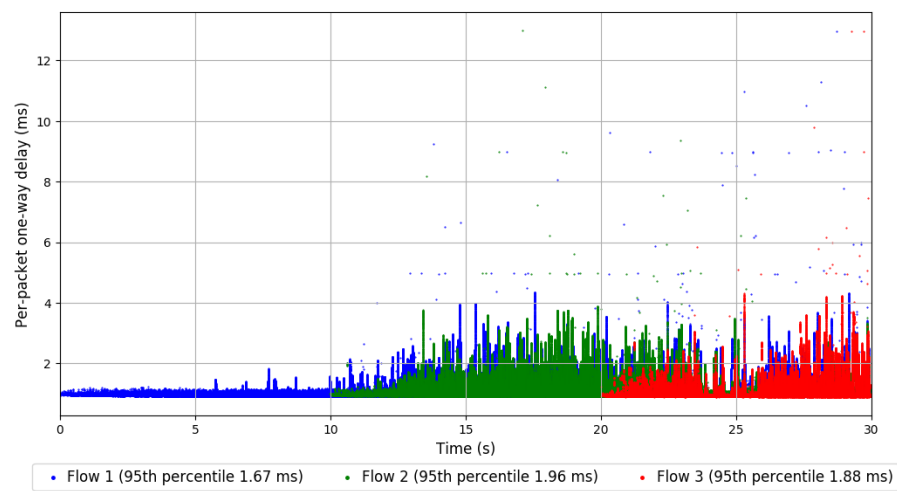
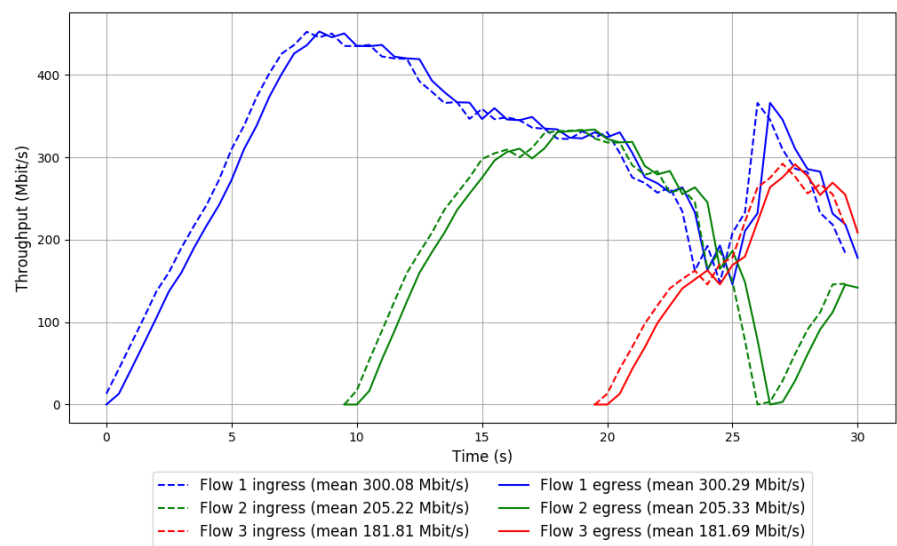


Run 5: Statistics of LEDBAT

Start at: 2018-07-04 12:38:26
End at: 2018-07-04 12:38:56
Local clock offset: 4.525 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-07-04 16:56:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 497.33 Mbit/s
95th percentile per-packet one-way delay: 1.782 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 300.29 Mbit/s
95th percentile per-packet one-way delay: 1.671 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 205.33 Mbit/s
95th percentile per-packet one-way delay: 1.962 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 181.69 Mbit/s
95th percentile per-packet one-way delay: 1.884 ms
Loss rate: 0.23%

Run 5: Report of LEDBAT — Data Link

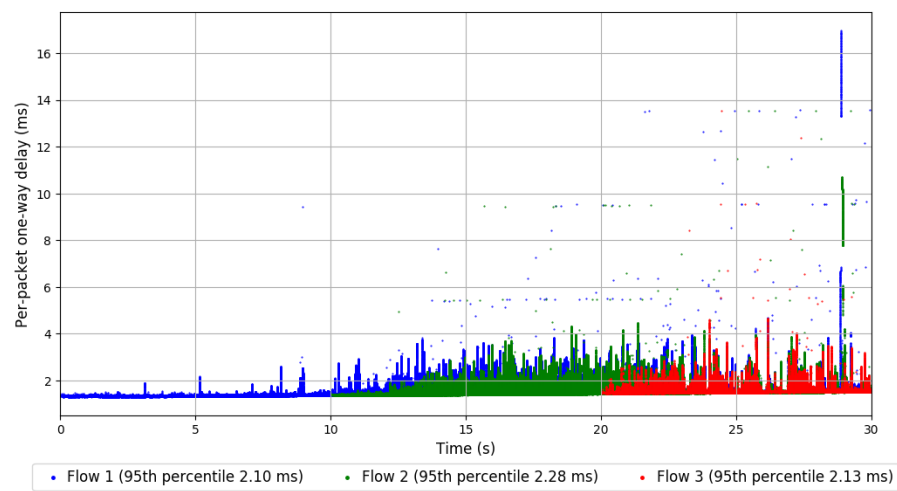
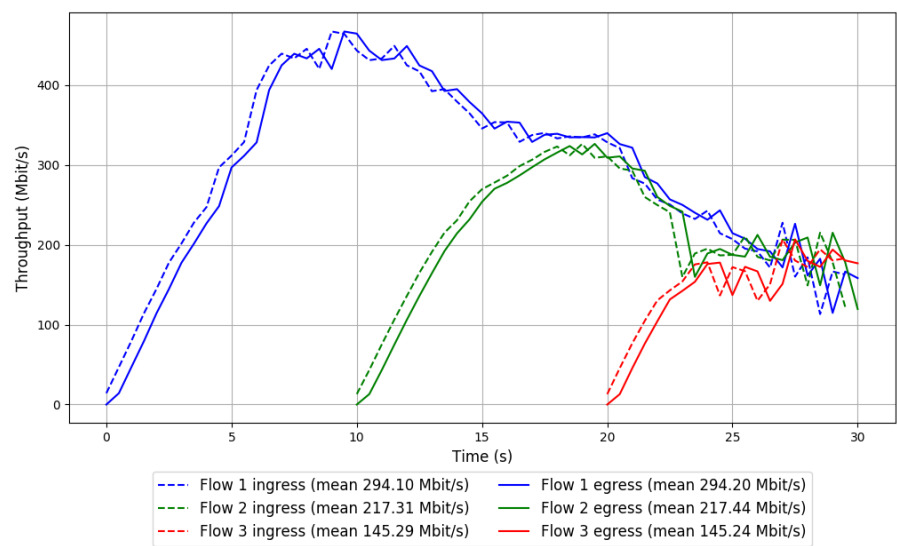


Run 6: Statistics of LEDBAT

Start at: 2018-07-04 13:05:26
End at: 2018-07-04 13:05:56
Local clock offset: 4.285 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-07-04 16:57:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 487.13 Mbit/s
95th percentile per-packet one-way delay: 2.162 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 294.20 Mbit/s
95th percentile per-packet one-way delay: 2.103 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 217.44 Mbit/s
95th percentile per-packet one-way delay: 2.281 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 145.24 Mbit/s
95th percentile per-packet one-way delay: 2.135 ms
Loss rate: 0.24%

Run 6: Report of LEDBAT — Data Link

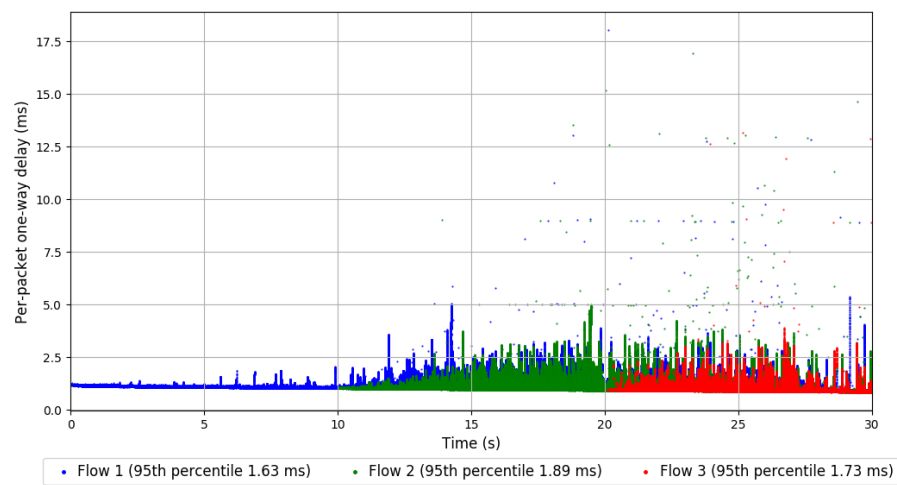
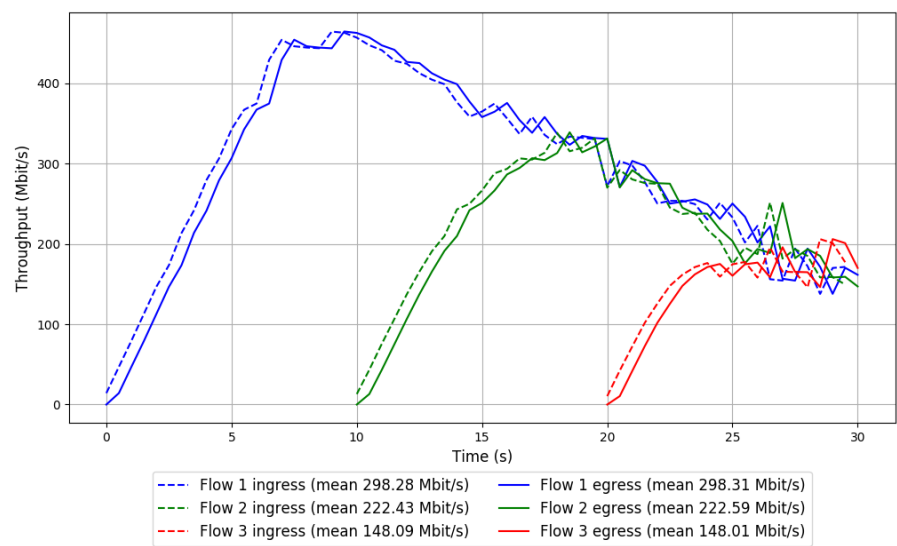


Run 7: Statistics of LEDBAT

Start at: 2018-07-04 13:32:34
End at: 2018-07-04 13:33:04
Local clock offset: -1.106 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-07-04 16:59:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 495.32 Mbit/s
95th percentile per-packet one-way delay: 1.717 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 298.31 Mbit/s
95th percentile per-packet one-way delay: 1.626 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 222.59 Mbit/s
95th percentile per-packet one-way delay: 1.890 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 148.01 Mbit/s
95th percentile per-packet one-way delay: 1.729 ms
Loss rate: 0.25%

Run 7: Report of LEDBAT — Data Link

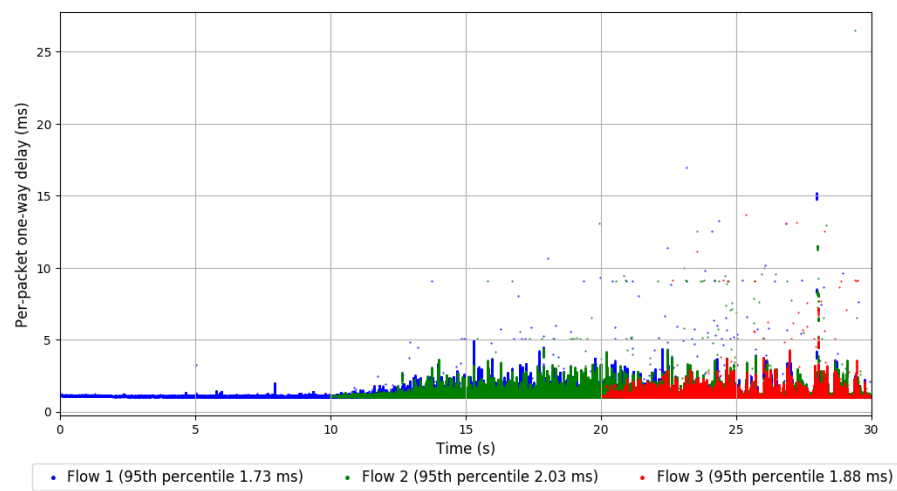
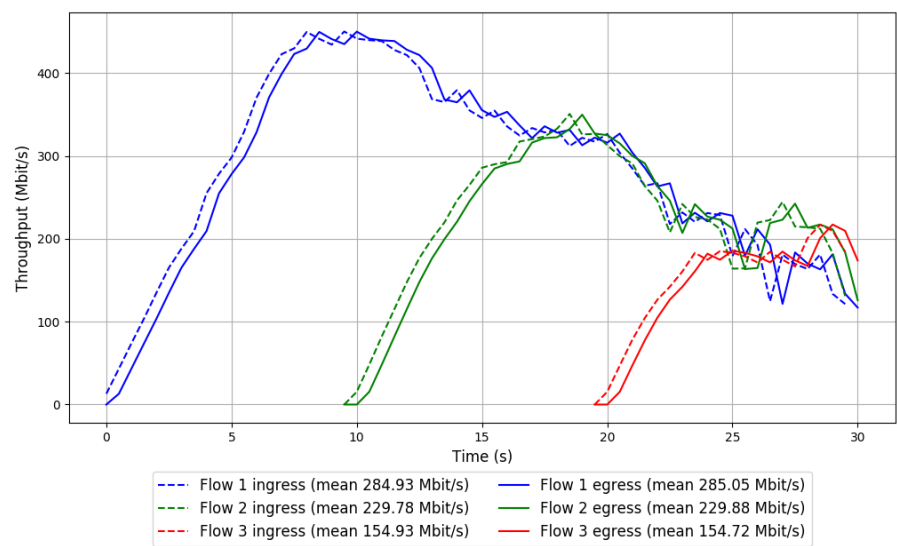


Run 8: Statistics of LEDBAT

Start at: 2018-07-04 13:59:39
End at: 2018-07-04 14:00:09
Local clock offset: 3.234 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-07-04 16:59:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 489.60 Mbit/s
95th percentile per-packet one-way delay: 1.845 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 285.05 Mbit/s
95th percentile per-packet one-way delay: 1.732 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 229.88 Mbit/s
95th percentile per-packet one-way delay: 2.034 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 154.72 Mbit/s
95th percentile per-packet one-way delay: 1.876 ms
Loss rate: 0.34%

Run 8: Report of LEDBAT — Data Link

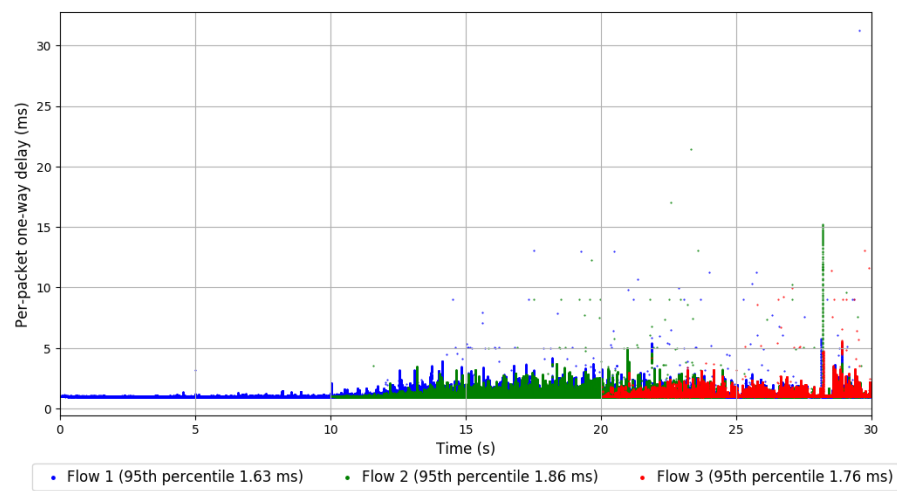
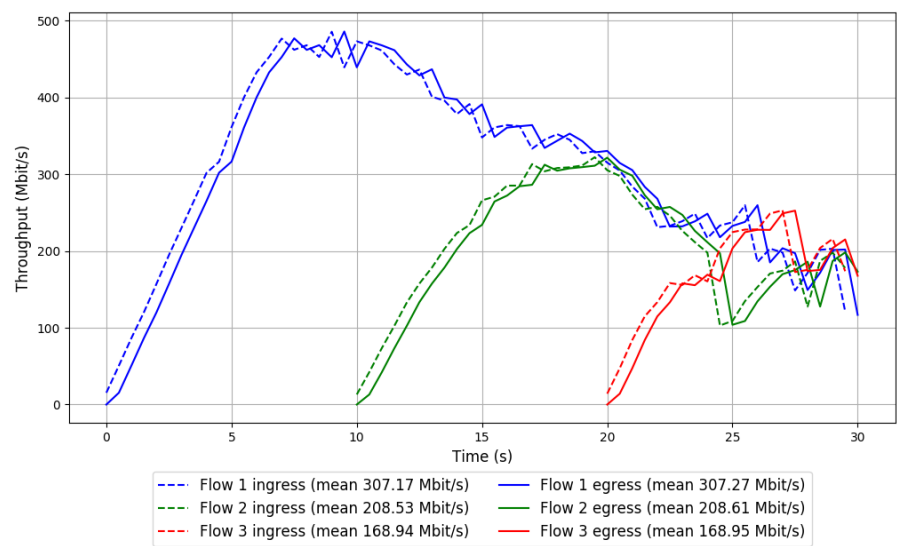


Run 9: Statistics of LEDBAT

Start at: 2018-07-04 14:26:40
End at: 2018-07-04 14:27:10
Local clock offset: -0.318 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-04 16:59:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 502.16 Mbit/s
95th percentile per-packet one-way delay: 1.719 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 307.27 Mbit/s
95th percentile per-packet one-way delay: 1.631 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 208.61 Mbit/s
95th percentile per-packet one-way delay: 1.861 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 168.95 Mbit/s
95th percentile per-packet one-way delay: 1.764 ms
Loss rate: 0.20%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-04 14:53:35

End at: 2018-07-04 14:54:05

Local clock offset: 0.058 ms

Remote clock offset: 3.755 ms

Below is generated by plot.py at 2018-07-04 17:00:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 504.29 Mbit/s

95th percentile per-packet one-way delay: 1.904 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 310.52 Mbit/s

95th percentile per-packet one-way delay: 1.882 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 199.85 Mbit/s

95th percentile per-packet one-way delay: 1.974 ms

Loss rate: 0.06%

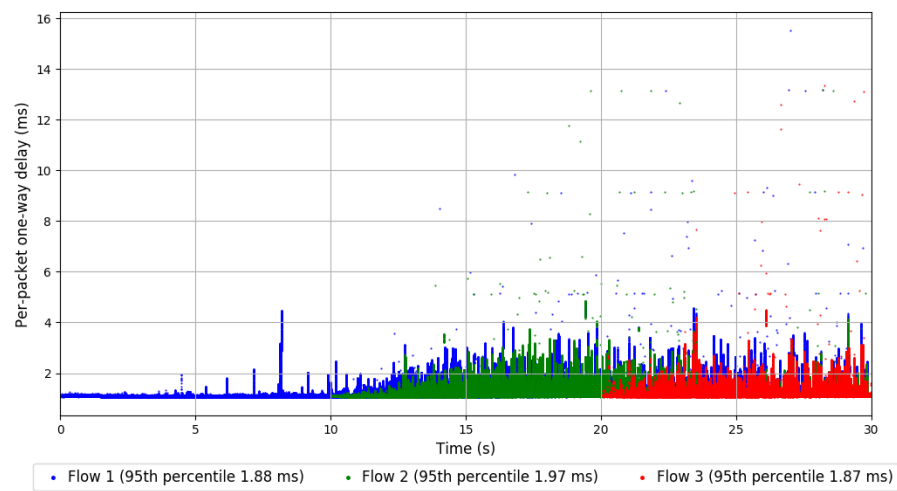
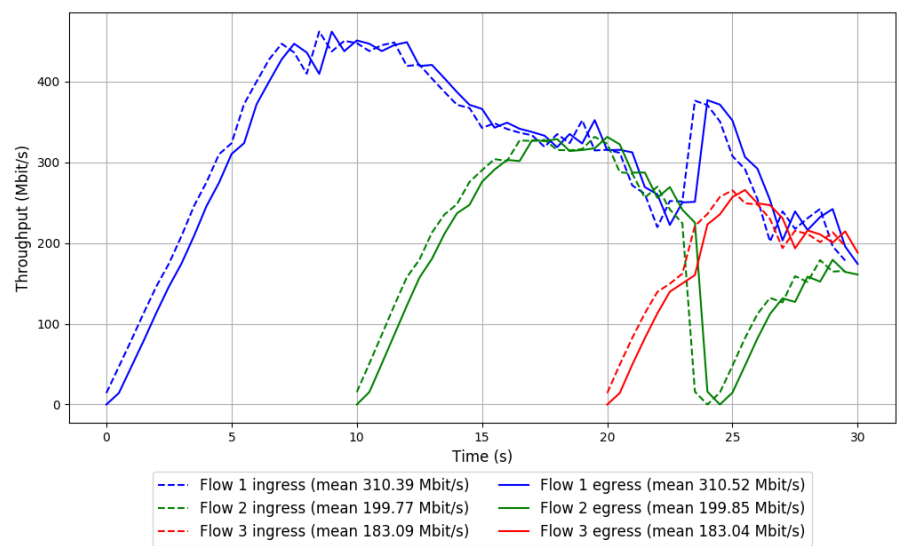
-- Flow 3:

Average throughput: 183.04 Mbit/s

95th percentile per-packet one-way delay: 1.869 ms

Loss rate: 0.22%

Run 10: Report of LEDBAT — Data Link

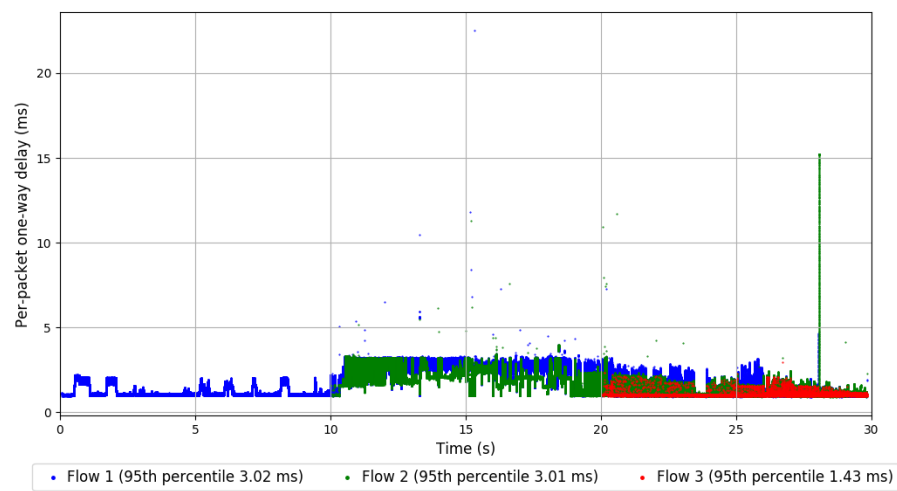
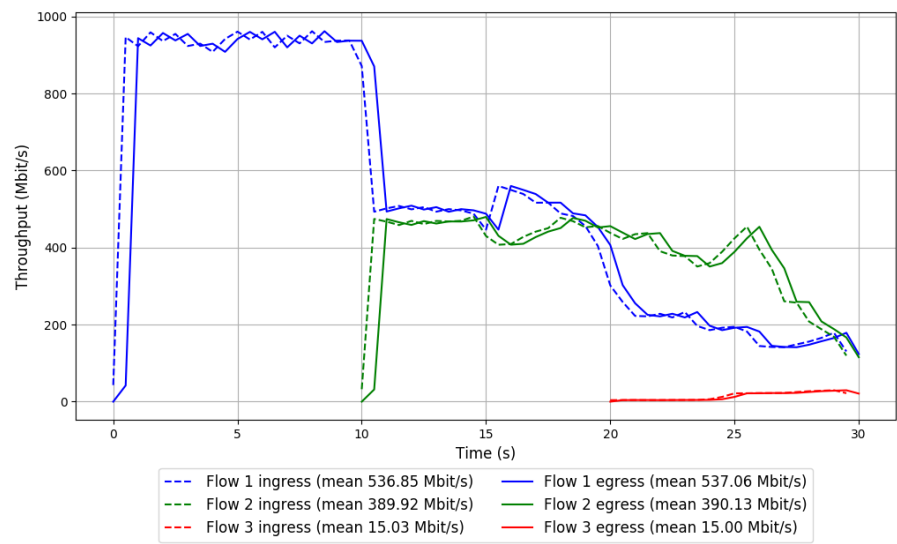


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-04 10:54:04
End at: 2018-07-04 10:54:34
Local clock offset: 3.777 ms
Remote clock offset: -0.289 ms

# Below is generated by plot.py at 2018-07-04 17:03:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 801.15 Mbit/s
95th percentile per-packet one-way delay: 3.018 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 537.06 Mbit/s
95th percentile per-packet one-way delay: 3.022 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 390.13 Mbit/s
95th percentile per-packet one-way delay: 3.010 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 15.00 Mbit/s
95th percentile per-packet one-way delay: 1.426 ms
Loss rate: 0.38%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-04 11:20:59

End at: 2018-07-04 11:21:29

Local clock offset: 0.204 ms

Remote clock offset: 3.622 ms

Below is generated by plot.py at 2018-07-04 17:04:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 801.49 Mbit/s

95th percentile per-packet one-way delay: 3.150 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 567.31 Mbit/s

95th percentile per-packet one-way delay: 3.141 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 341.85 Mbit/s

95th percentile per-packet one-way delay: 3.169 ms

Loss rate: 0.06%

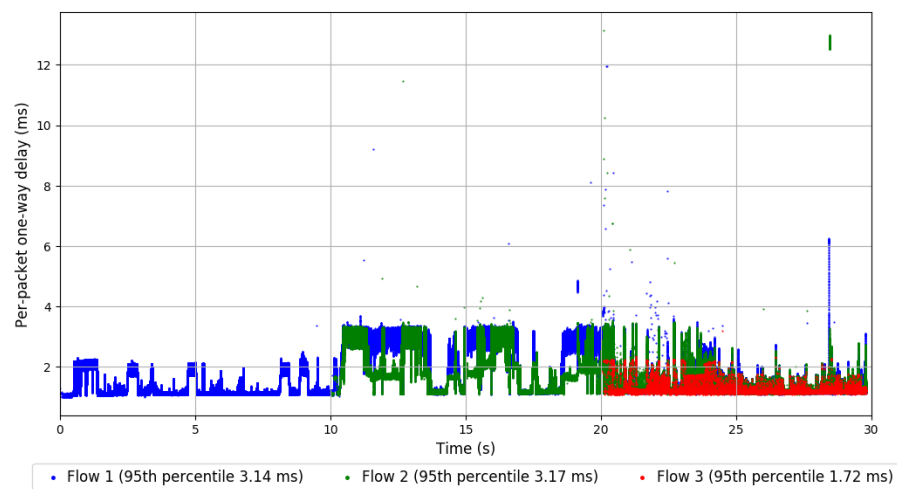
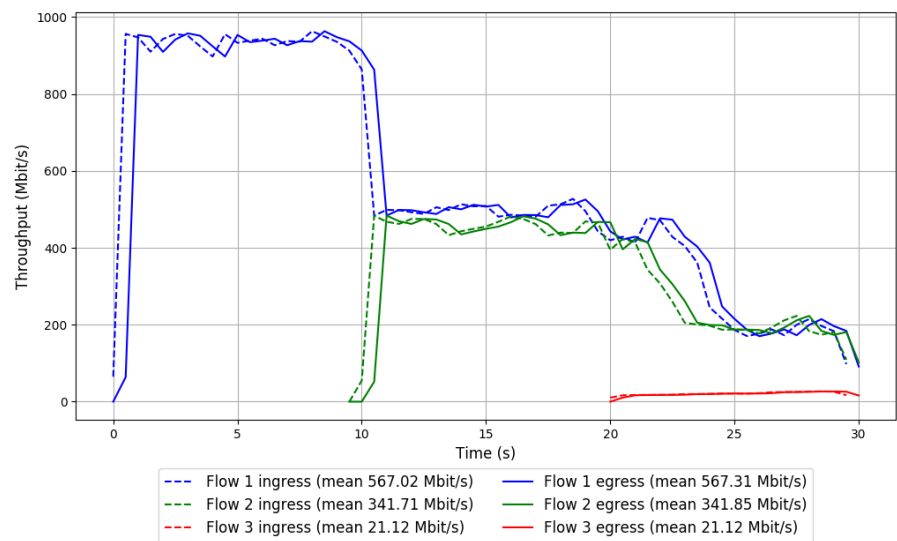
-- Flow 3:

Average throughput: 21.12 Mbit/s

95th percentile per-packet one-way delay: 1.720 ms

Loss rate: 0.26%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-04 11:47:55

End at: 2018-07-04 11:48:25

Local clock offset: -0.356 ms

Remote clock offset: 1.8 ms

Below is generated by plot.py at 2018-07-04 17:06:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 829.36 Mbit/s

95th percentile per-packet one-way delay: 2.067 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 719.03 Mbit/s

95th percentile per-packet one-way delay: 2.069 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 84.33 Mbit/s

95th percentile per-packet one-way delay: 1.667 ms

Loss rate: 0.16%

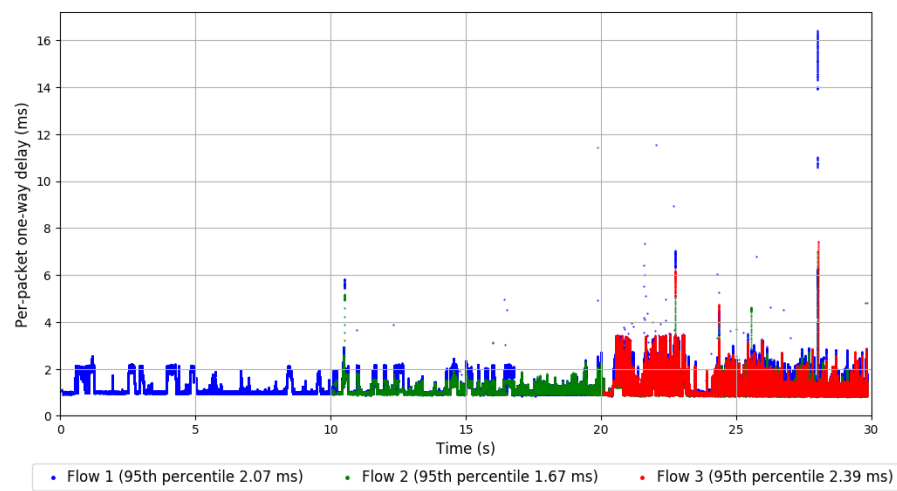
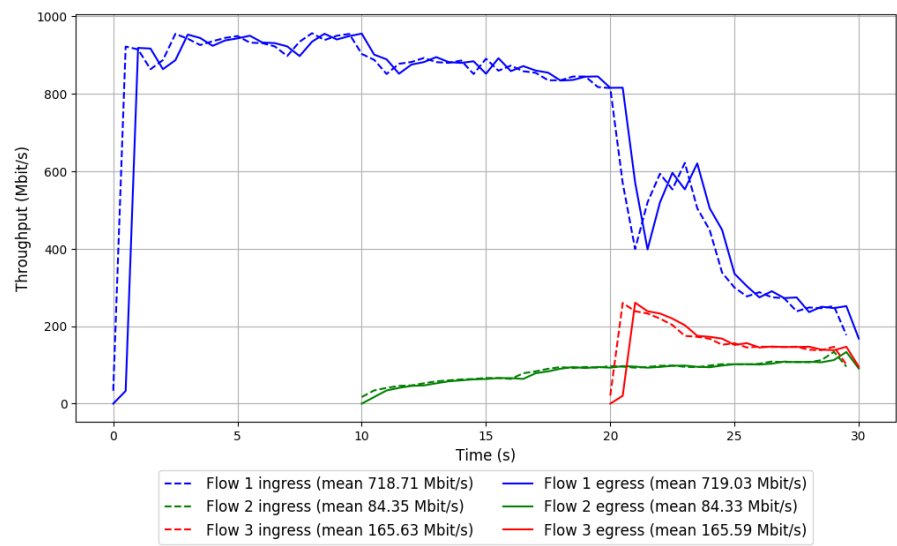
-- Flow 3:

Average throughput: 165.59 Mbit/s

95th percentile per-packet one-way delay: 2.387 ms

Loss rate: 0.18%

Run 3: Report of PCC-Allegro — Data Link

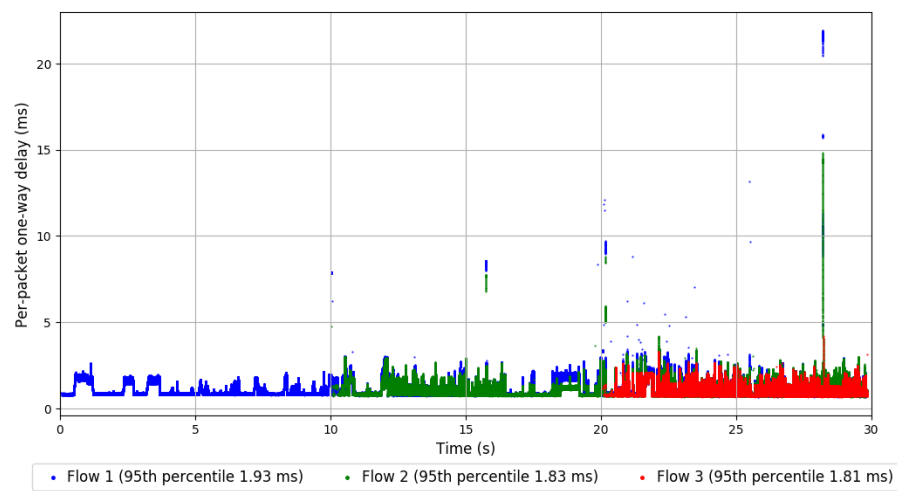
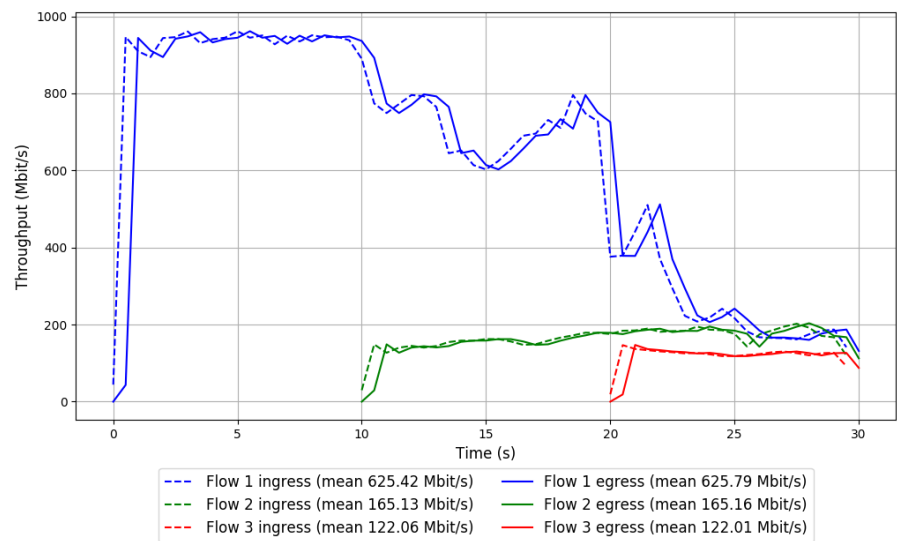


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-04 12:14:45
End at: 2018-07-04 12:15:15
Local clock offset: 2.74 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-04 17:06:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 775.37 Mbit/s
95th percentile per-packet one-way delay: 1.922 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 625.79 Mbit/s
95th percentile per-packet one-way delay: 1.928 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 165.16 Mbit/s
95th percentile per-packet one-way delay: 1.828 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 122.01 Mbit/s
95th percentile per-packet one-way delay: 1.810 ms
Loss rate: 0.21%

Run 4: Report of PCC-Allegro — Data Link

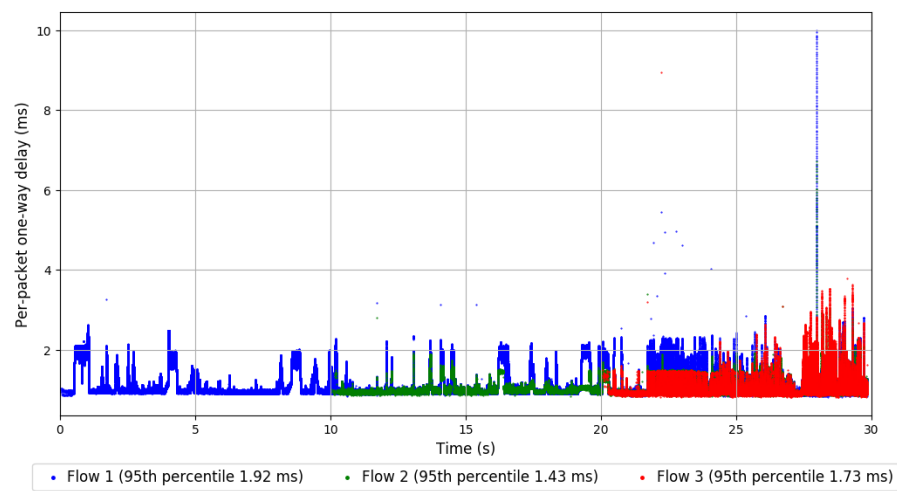
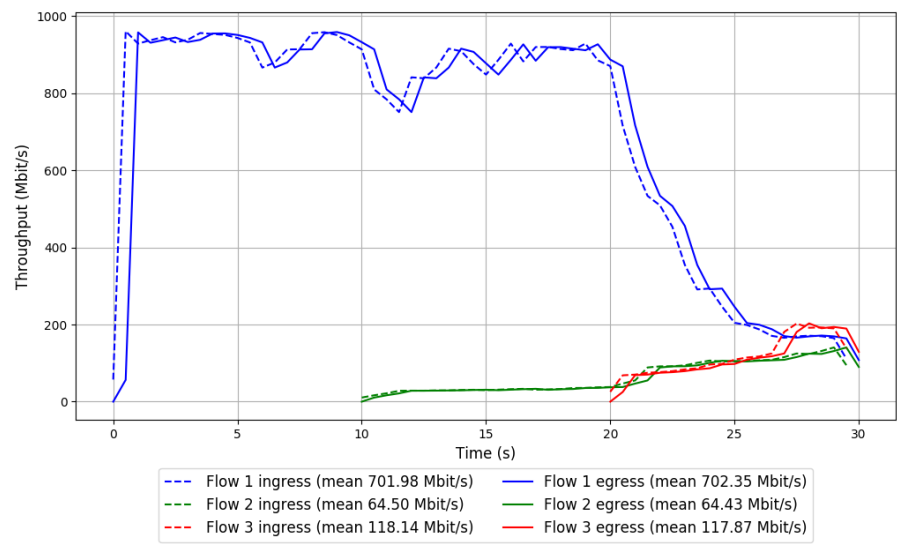


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-04 12:41:49
End at: 2018-07-04 12:42:19
Local clock offset: 4.657 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-07-04 17:08:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 783.82 Mbit/s
95th percentile per-packet one-way delay: 1.908 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 702.35 Mbit/s
95th percentile per-packet one-way delay: 1.920 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 64.43 Mbit/s
95th percentile per-packet one-way delay: 1.434 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 117.87 Mbit/s
95th percentile per-packet one-way delay: 1.728 ms
Loss rate: 0.41%

Run 5: Report of PCC-Allegro — Data Link

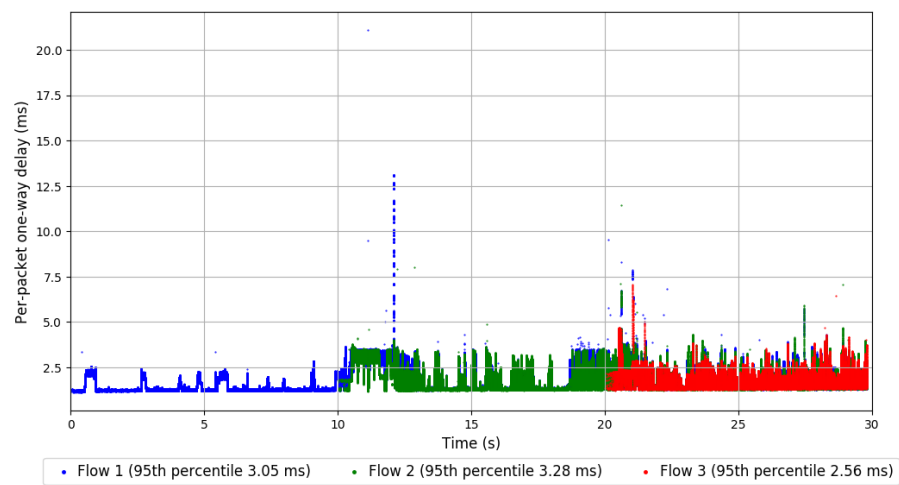
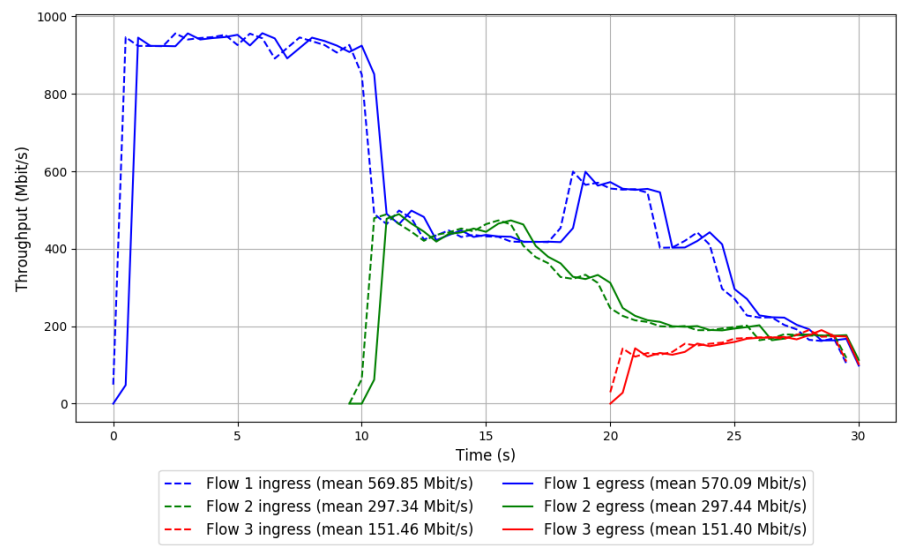


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-04 13:08:48
End at: 2018-07-04 13:09:18
Local clock offset: 2.793 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-04 17:08:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 817.49 Mbit/s
95th percentile per-packet one-way delay: 3.133 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 570.09 Mbit/s
95th percentile per-packet one-way delay: 3.046 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 297.44 Mbit/s
95th percentile per-packet one-way delay: 3.278 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 151.40 Mbit/s
95th percentile per-packet one-way delay: 2.558 ms
Loss rate: 0.25%

Run 6: Report of PCC-Allegro — Data Link

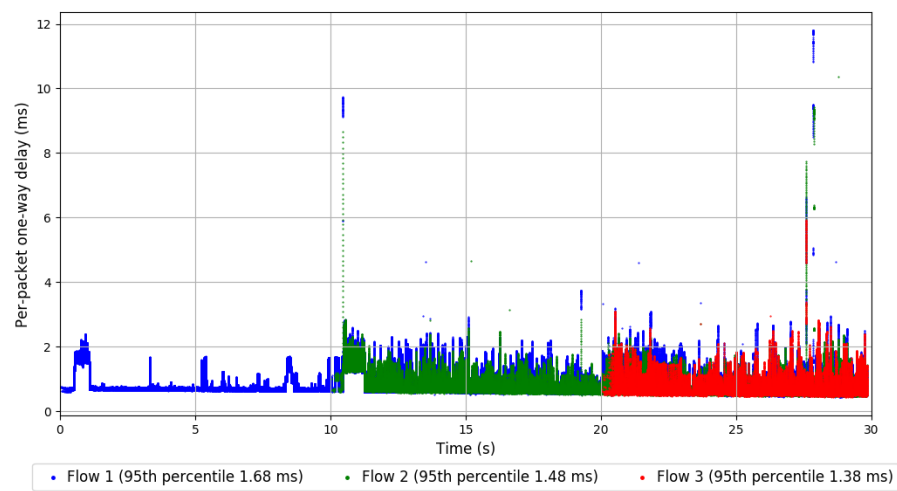
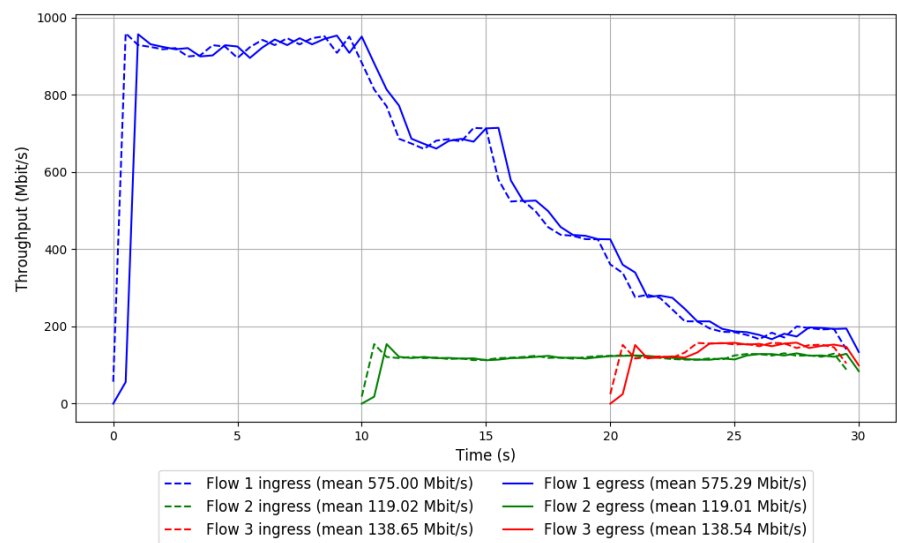


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-04 13:35:56
End at: 2018-07-04 13:36:26
Local clock offset: -0.005 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-07-04 17:08:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 699.76 Mbit/s
95th percentile per-packet one-way delay: 1.656 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 575.29 Mbit/s
95th percentile per-packet one-way delay: 1.683 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 119.01 Mbit/s
95th percentile per-packet one-way delay: 1.482 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 138.54 Mbit/s
95th percentile per-packet one-way delay: 1.384 ms
Loss rate: 0.21%

Run 7: Report of PCC-Allegro — Data Link

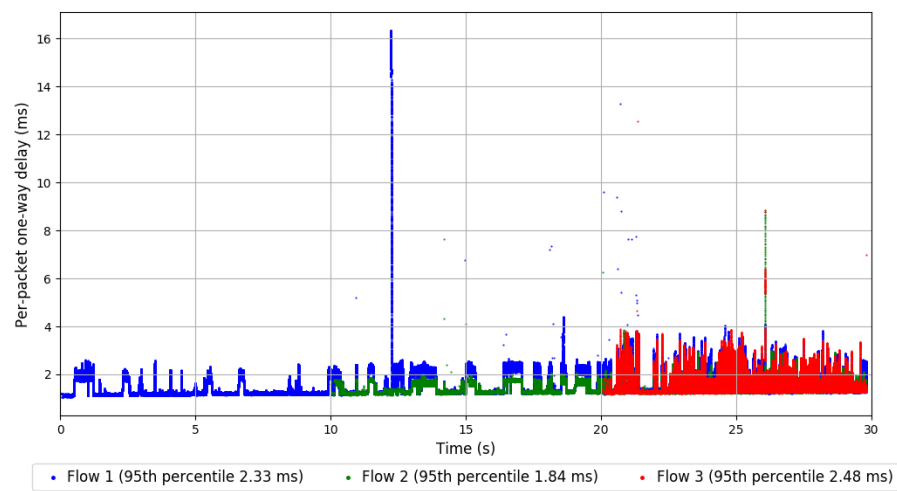
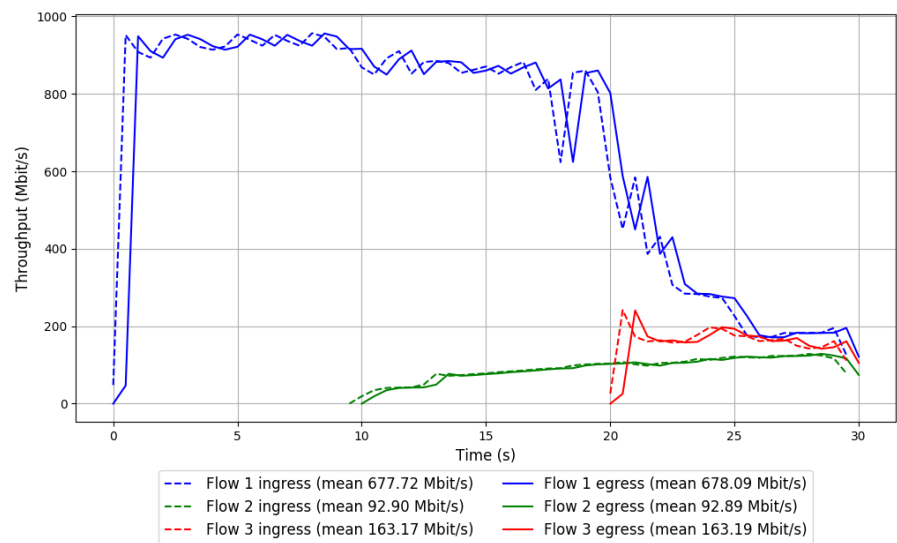


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-04 14:03:01
End at: 2018-07-04 14:03:31
Local clock offset: 3.24 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-07-04 17:09:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 793.28 Mbit/s
95th percentile per-packet one-way delay: 2.326 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 678.09 Mbit/s
95th percentile per-packet one-way delay: 2.332 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 92.89 Mbit/s
95th percentile per-packet one-way delay: 1.844 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 163.19 Mbit/s
95th percentile per-packet one-way delay: 2.477 ms
Loss rate: 0.21%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-04 14:30:03

End at: 2018-07-04 14:30:33

Local clock offset: -0.489 ms

Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-07-04 17:13:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 798.40 Mbit/s

95th percentile per-packet one-way delay: 3.170 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 591.48 Mbit/s

95th percentile per-packet one-way delay: 3.151 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 273.74 Mbit/s

95th percentile per-packet one-way delay: 3.205 ms

Loss rate: 0.07%

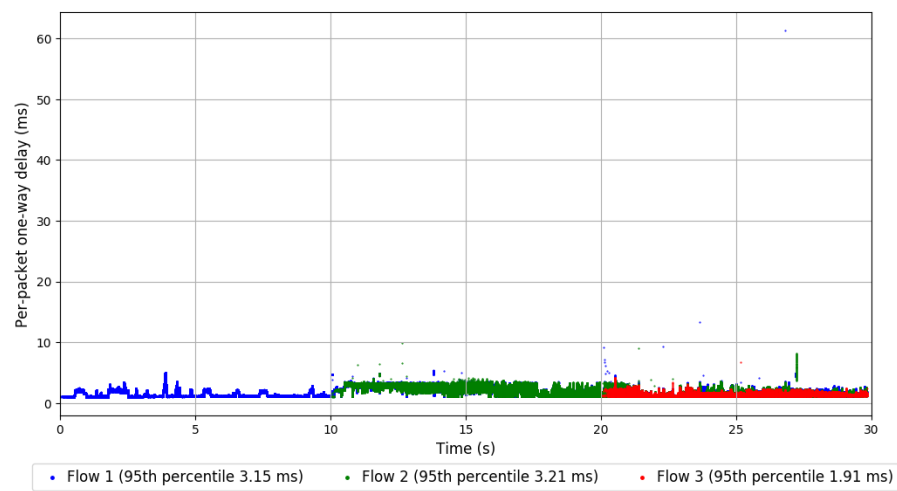
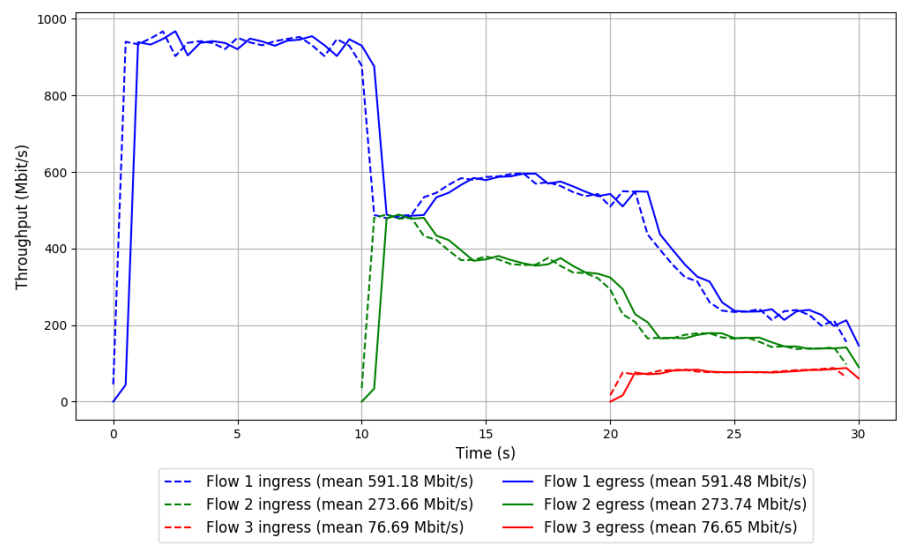
-- Flow 3:

Average throughput: 76.65 Mbit/s

95th percentile per-packet one-way delay: 1.912 ms

Loss rate: 0.22%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-04 14:56:58

End at: 2018-07-04 14:57:28

Local clock offset: 0.014 ms

Remote clock offset: 3.948 ms

Below is generated by plot.py at 2018-07-04 17:13:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 795.84 Mbit/s

95th percentile per-packet one-way delay: 3.092 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 523.33 Mbit/s

95th percentile per-packet one-way delay: 3.079 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 339.07 Mbit/s

95th percentile per-packet one-way delay: 3.135 ms

Loss rate: 0.04%

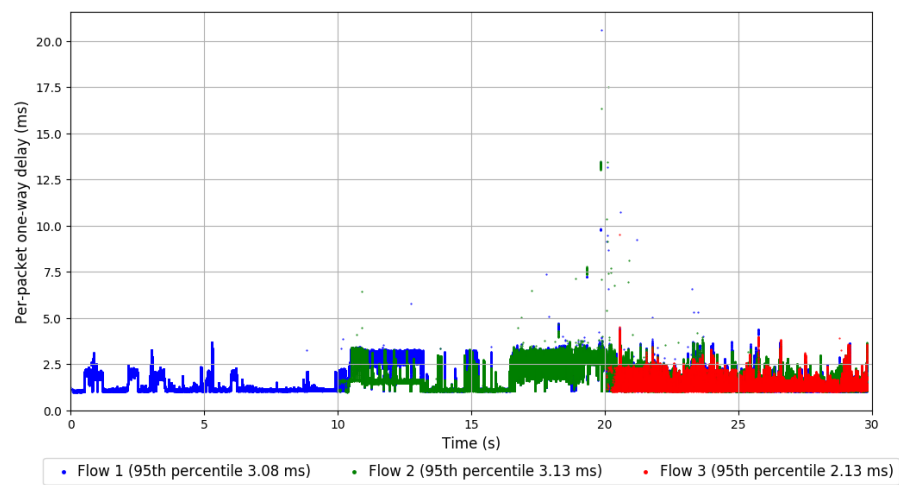
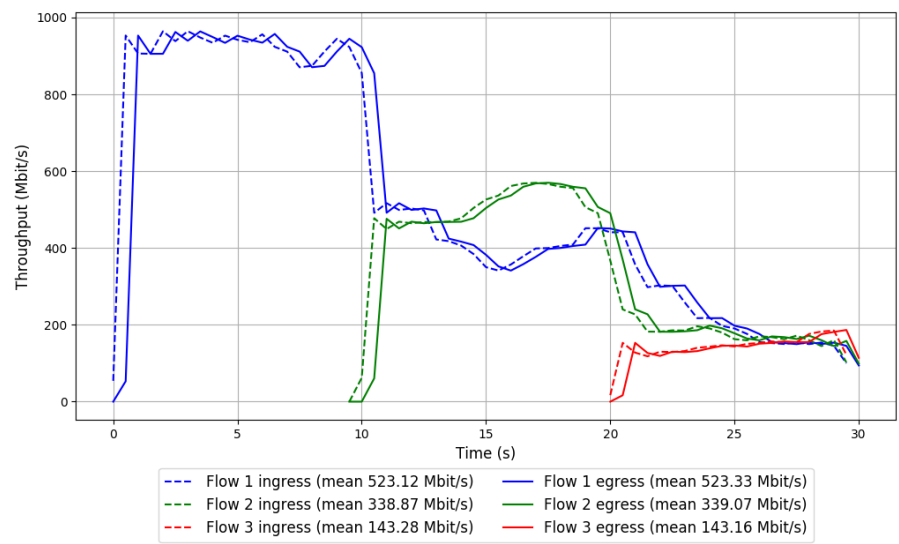
-- Flow 3:

Average throughput: 143.16 Mbit/s

95th percentile per-packet one-way delay: 2.131 ms

Loss rate: 0.29%

Run 10: Report of PCC-Allegro — Data Link

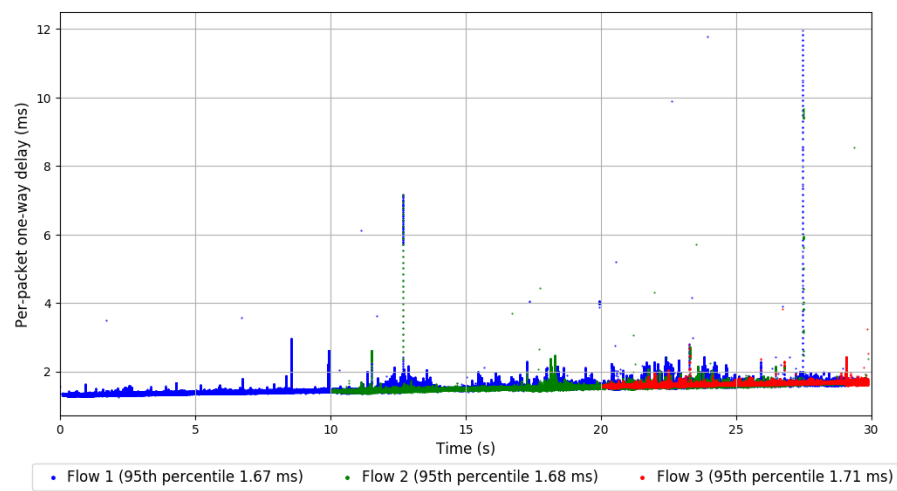
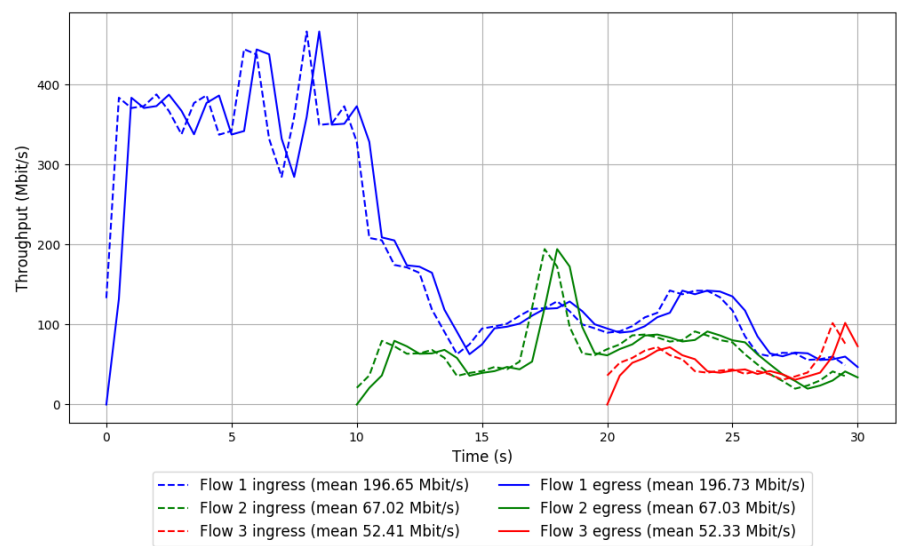


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-04 11:05:14
End at: 2018-07-04 11:05:44
Local clock offset: 3.402 ms
Remote clock offset: 0.088 ms

# Below is generated by plot.py at 2018-07-04 17:13:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 258.53 Mbit/s
95th percentile per-packet one-way delay: 1.684 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 196.73 Mbit/s
95th percentile per-packet one-way delay: 1.669 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 67.03 Mbit/s
95th percentile per-packet one-way delay: 1.682 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 52.33 Mbit/s
95th percentile per-packet one-way delay: 1.708 ms
Loss rate: 0.33%
```


Run 1: Report of PCC-Expr — Data Link

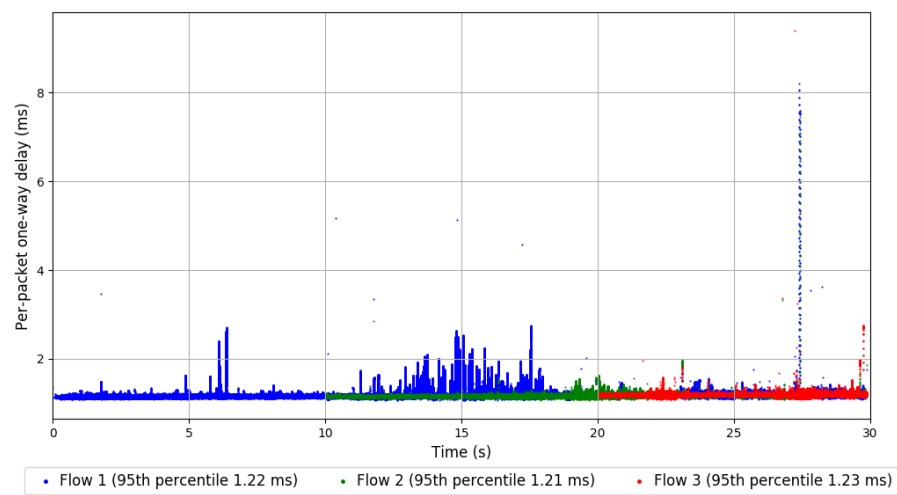
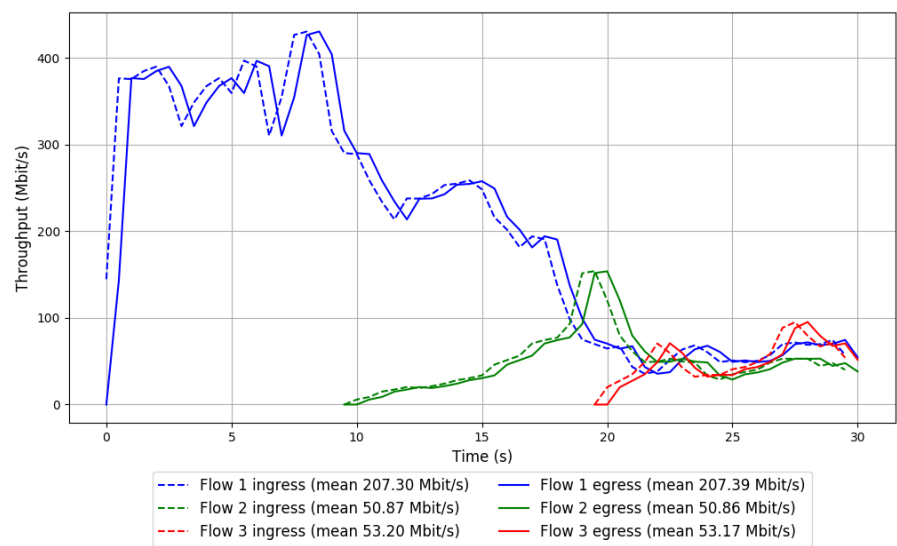


```
Run 2: Statistics of PCC-Expr

Start at: 2018-07-04 11:32:09
End at: 2018-07-04 11:32:39
Local clock offset: -0.459 ms
Remote clock offset: 4.758 ms

# Below is generated by plot.py at 2018-07-04 17:13:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 258.78 Mbit/s
95th percentile per-packet one-way delay: 1.220 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 207.39 Mbit/s
95th percentile per-packet one-way delay: 1.220 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 50.86 Mbit/s
95th percentile per-packet one-way delay: 1.211 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 53.17 Mbit/s
95th percentile per-packet one-way delay: 1.229 ms
Loss rate: 0.26%
```

Run 2: Report of PCC-Expr — Data Link

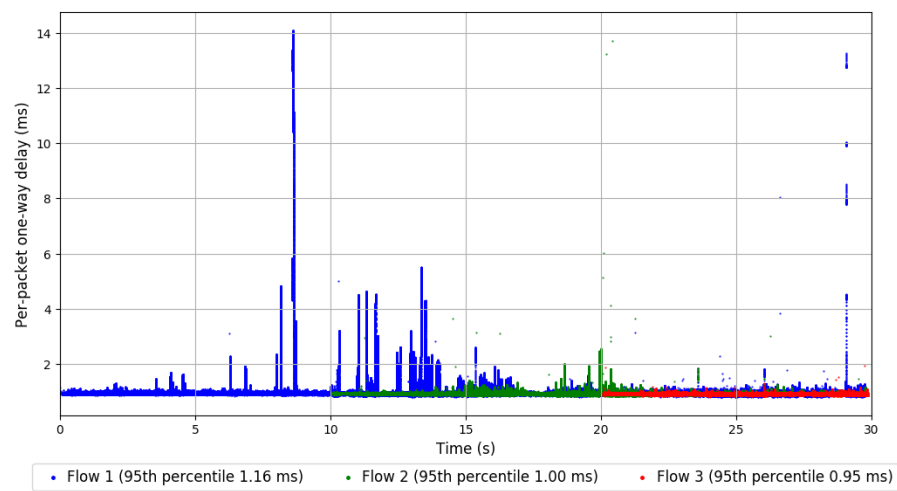
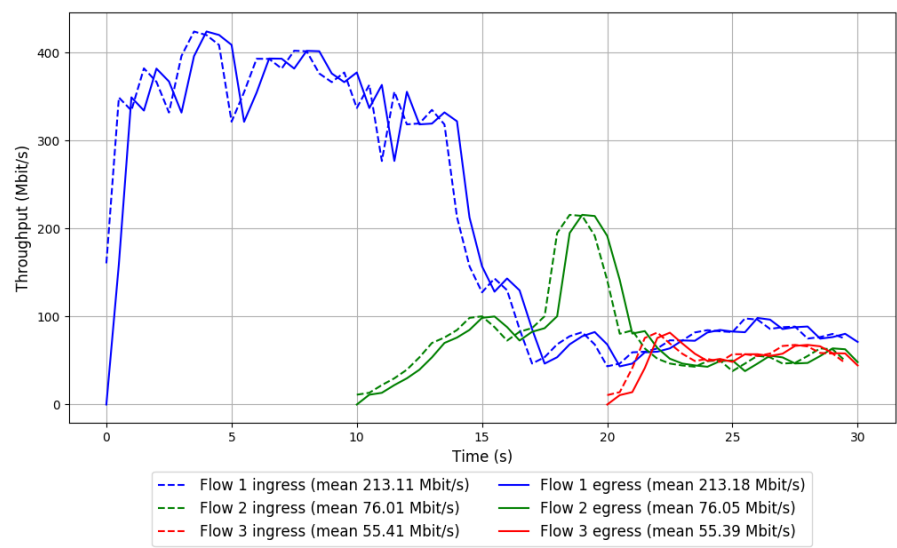


```
Run 3: Statistics of PCC-Expr

Start at: 2018-07-04 11:59:05
End at: 2018-07-04 11:59:35
Local clock offset: -0.511 ms
Remote clock offset: 0.425 ms

# Below is generated by plot.py at 2018-07-04 17:14:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 281.99 Mbit/s
95th percentile per-packet one-way delay: 1.080 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 213.18 Mbit/s
95th percentile per-packet one-way delay: 1.155 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 76.05 Mbit/s
95th percentile per-packet one-way delay: 0.997 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 55.39 Mbit/s
95th percentile per-packet one-way delay: 0.955 ms
Loss rate: 0.27%
```

Run 3: Report of PCC-Expr — Data Link

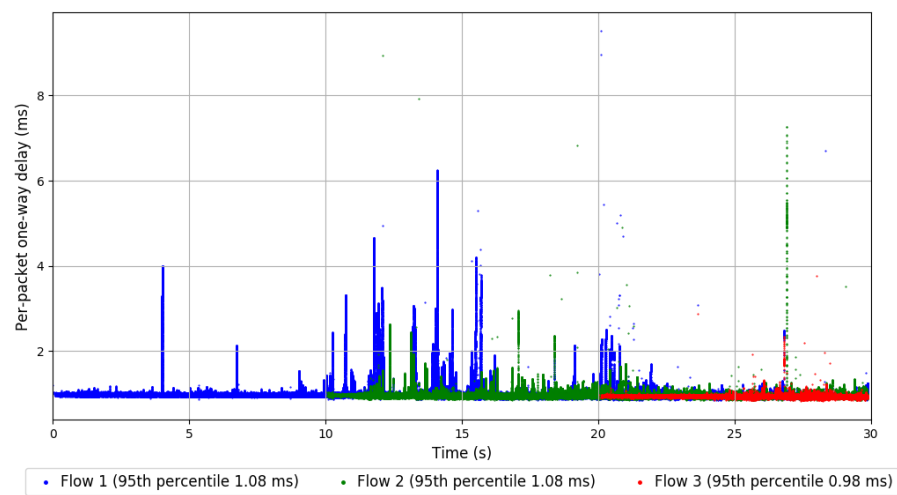
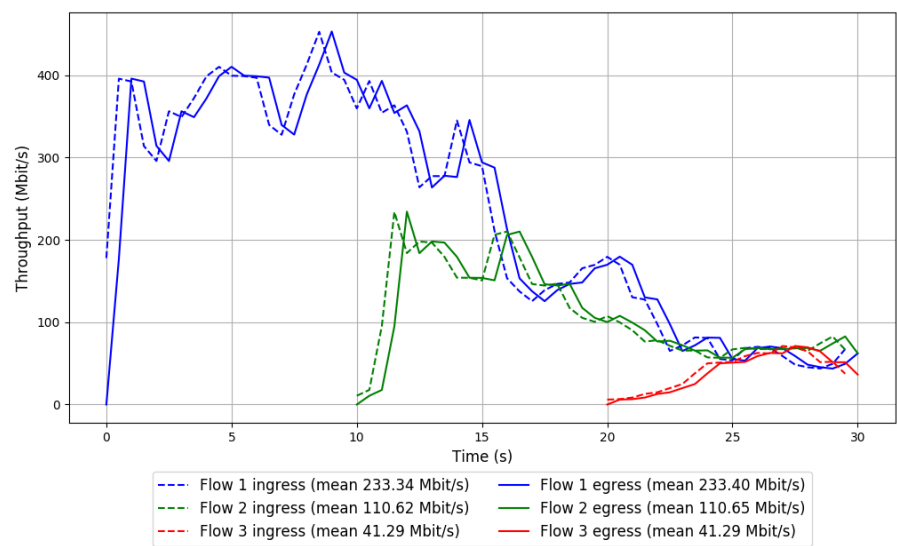


Run 4: Statistics of PCC-Expr

Start at: 2018-07-04 12:25:54
End at: 2018-07-04 12:26:24
Local clock offset: 3.958 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-04 17:14:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 320.53 Mbit/s
95th percentile per-packet one-way delay: 1.072 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 233.40 Mbit/s
95th percentile per-packet one-way delay: 1.082 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 110.65 Mbit/s
95th percentile per-packet one-way delay: 1.076 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 41.29 Mbit/s
95th percentile per-packet one-way delay: 0.984 ms
Loss rate: 0.21%

Run 4: Report of PCC-Expr — Data Link

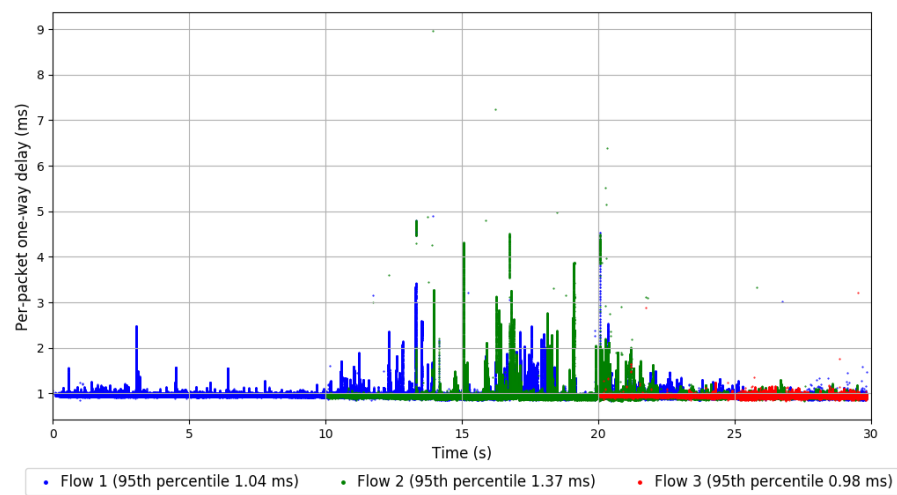
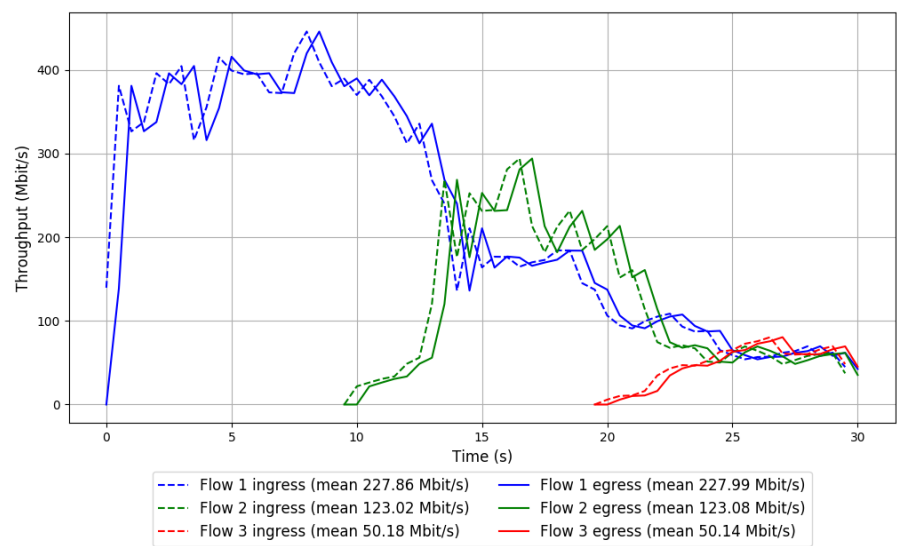


Run 5: Statistics of PCC-Expr

Start at: 2018-07-04 12:53:00
End at: 2018-07-04 12:53:30
Local clock offset: 5.166 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-07-04 17:15:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 326.40 Mbit/s
95th percentile per-packet one-way delay: 1.068 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 227.99 Mbit/s
95th percentile per-packet one-way delay: 1.038 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 123.08 Mbit/s
95th percentile per-packet one-way delay: 1.366 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 50.14 Mbit/s
95th percentile per-packet one-way delay: 0.980 ms
Loss rate: 0.33%

Run 5: Report of PCC-Expr — Data Link

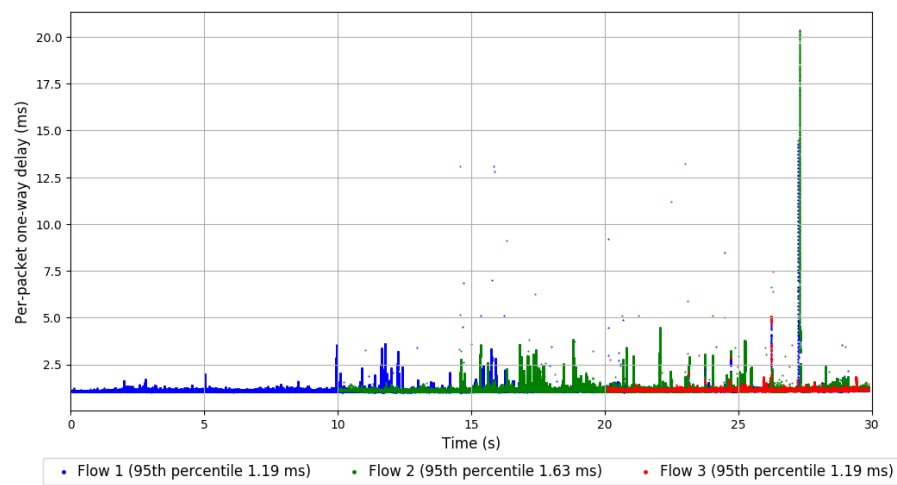
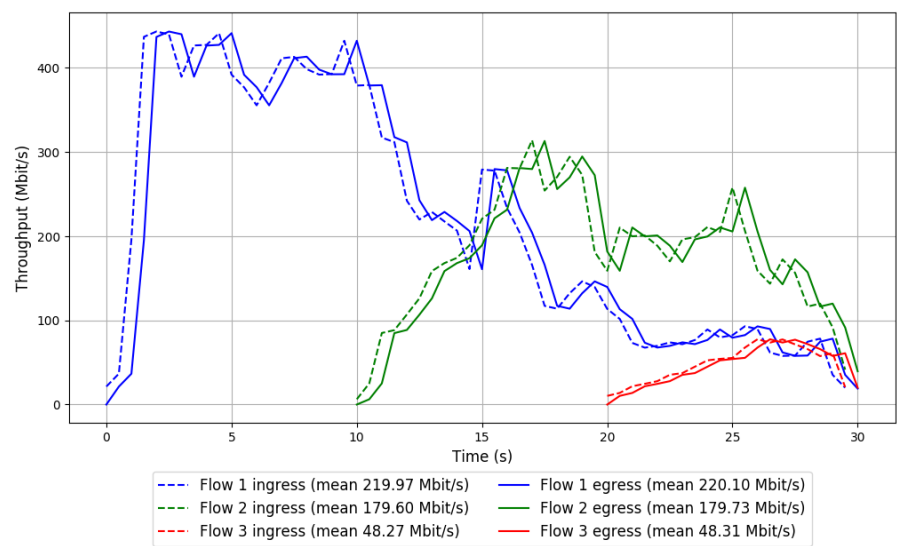


Run 6: Statistics of PCC-Expr

Start at: 2018-07-04 13:20:02
End at: 2018-07-04 13:20:32
Local clock offset: 0.224 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-04 17:17:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 355.42 Mbit/s
95th percentile per-packet one-way delay: 1.280 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 220.10 Mbit/s
95th percentile per-packet one-way delay: 1.187 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 179.73 Mbit/s
95th percentile per-packet one-way delay: 1.631 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 48.31 Mbit/s
95th percentile per-packet one-way delay: 1.192 ms
Loss rate: 0.10%

Run 6: Report of PCC-Expr — Data Link

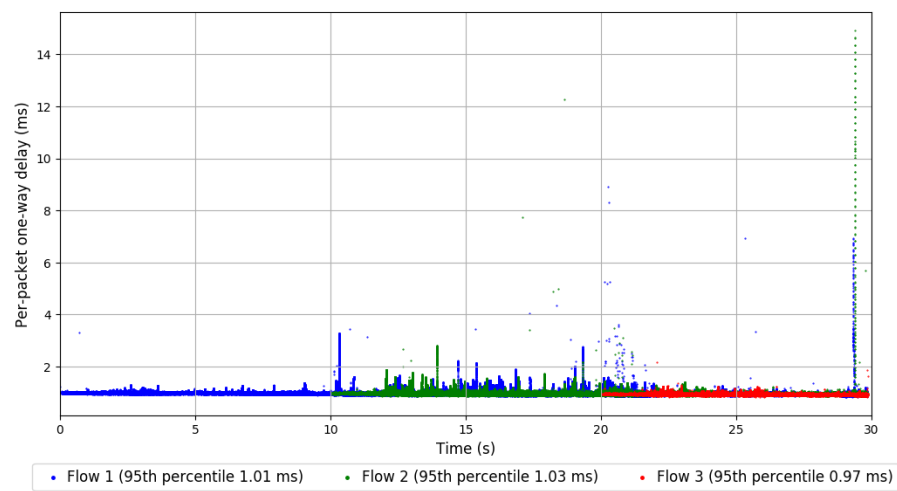
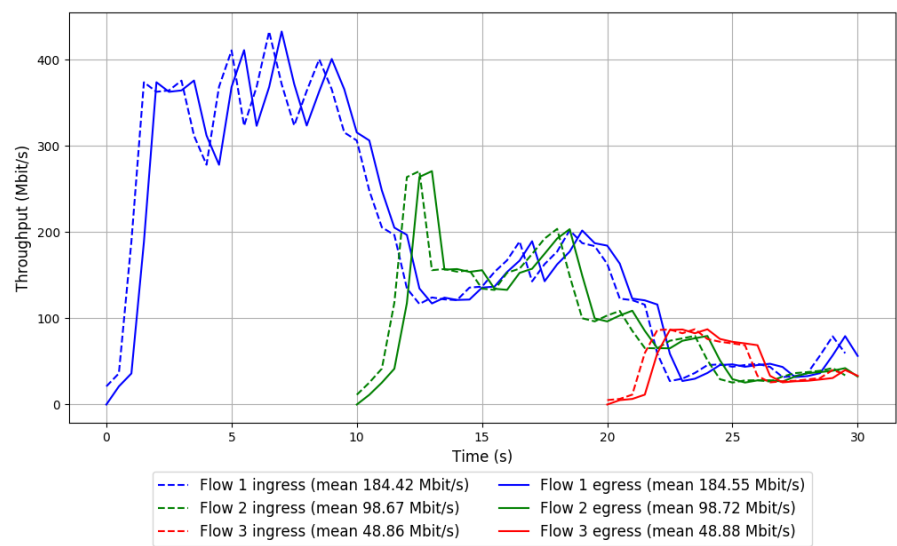


Run 7: Statistics of PCC-Expr

Start at: 2018-07-04 13:47:05
End at: 2018-07-04 13:47:35
Local clock offset: 2.482 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-07-04 17:17:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 266.25 Mbit/s
95th percentile per-packet one-way delay: 1.012 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 184.55 Mbit/s
95th percentile per-packet one-way delay: 1.011 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 98.72 Mbit/s
95th percentile per-packet one-way delay: 1.031 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 48.88 Mbit/s
95th percentile per-packet one-way delay: 0.970 ms
Loss rate: 0.18%

Run 7: Report of PCC-Expr — Data Link

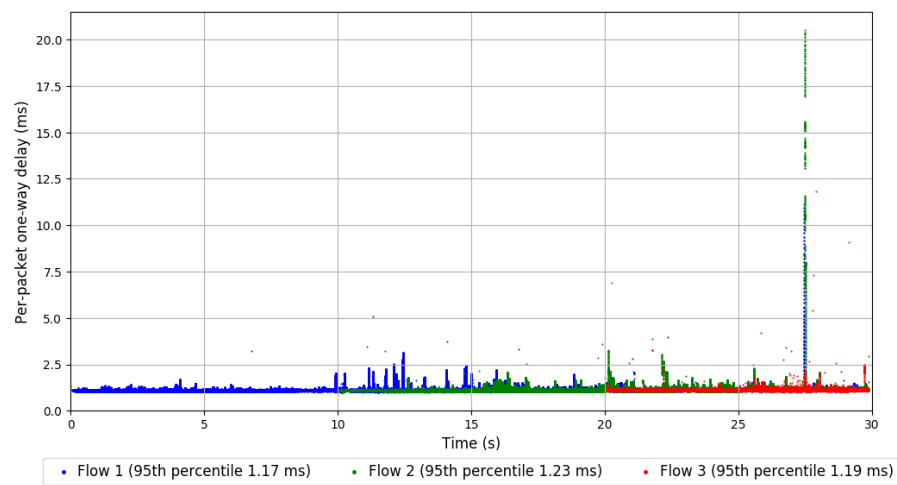
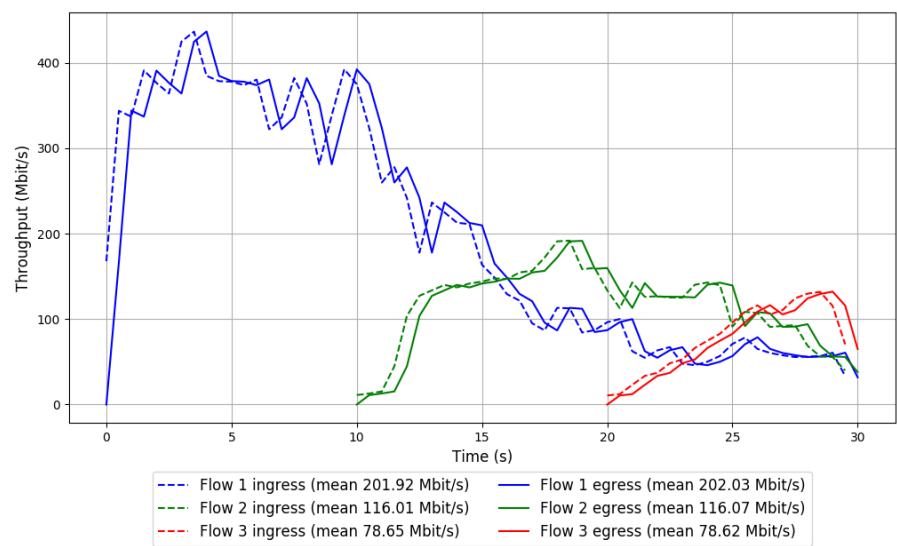


Run 8: Statistics of PCC-Expr

Start at: 2018-07-04 14:14:12
End at: 2018-07-04 14:14:42
Local clock offset: 0.741 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-07-04 17:18:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 305.05 Mbit/s
95th percentile per-packet one-way delay: 1.183 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 202.03 Mbit/s
95th percentile per-packet one-way delay: 1.167 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 116.07 Mbit/s
95th percentile per-packet one-way delay: 1.226 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 78.62 Mbit/s
95th percentile per-packet one-way delay: 1.186 ms
Loss rate: 0.35%

Run 8: Report of PCC-Expr — Data Link

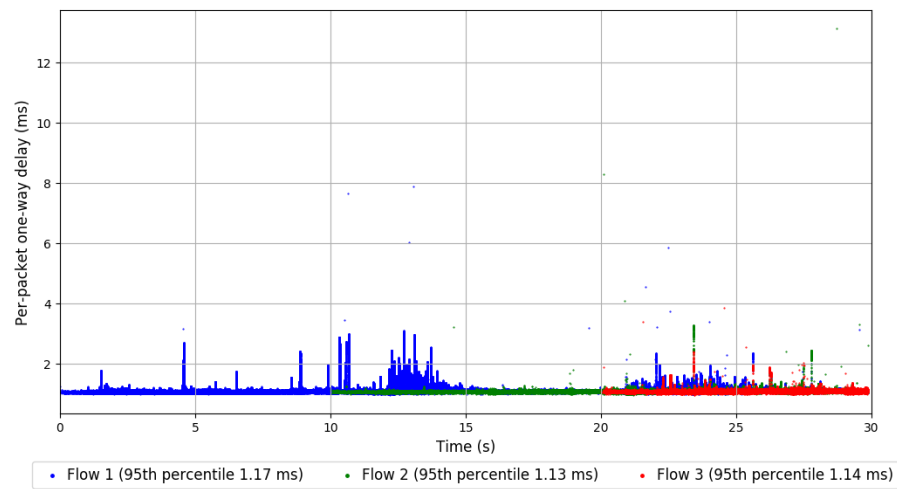
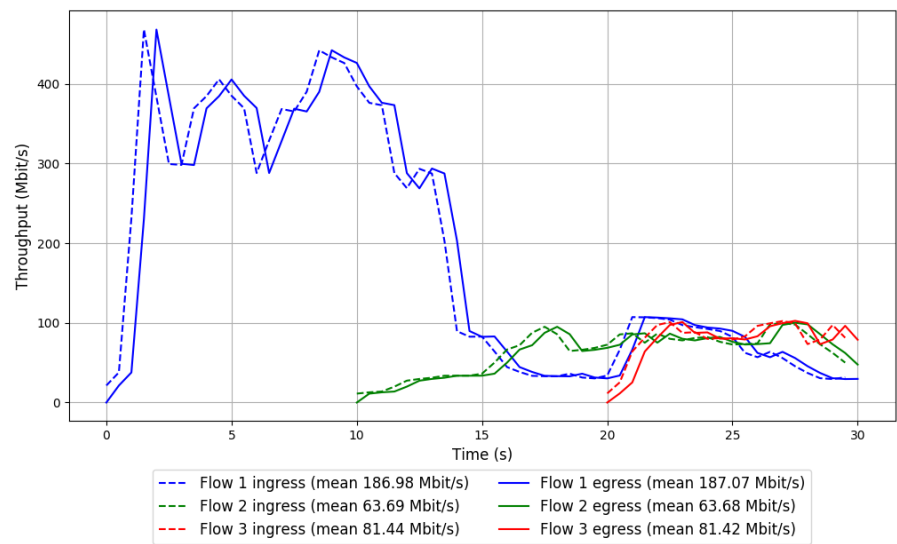


```
Run 9: Statistics of PCC-Expr

Start at: 2018-07-04 14:41:12
End at: 2018-07-04 14:41:42
Local clock offset: -0.023 ms
Remote clock offset: 2.636 ms

# Below is generated by plot.py at 2018-07-04 17:18:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 256.24 Mbit/s
95th percentile per-packet one-way delay: 1.151 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 187.07 Mbit/s
95th percentile per-packet one-way delay: 1.169 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 63.68 Mbit/s
95th percentile per-packet one-way delay: 1.129 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 81.42 Mbit/s
95th percentile per-packet one-way delay: 1.141 ms
Loss rate: 0.23%
```


Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-04 15:08:08

End at: 2018-07-04 15:08:38

Local clock offset: -0.093 ms

Remote clock offset: 2.517 ms

Below is generated by plot.py at 2018-07-04 17:21:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 342.71 Mbit/s

95th percentile per-packet one-way delay: 0.930 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 242.80 Mbit/s

95th percentile per-packet one-way delay: 0.951 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 125.20 Mbit/s

95th percentile per-packet one-way delay: 0.849 ms

Loss rate: 0.08%

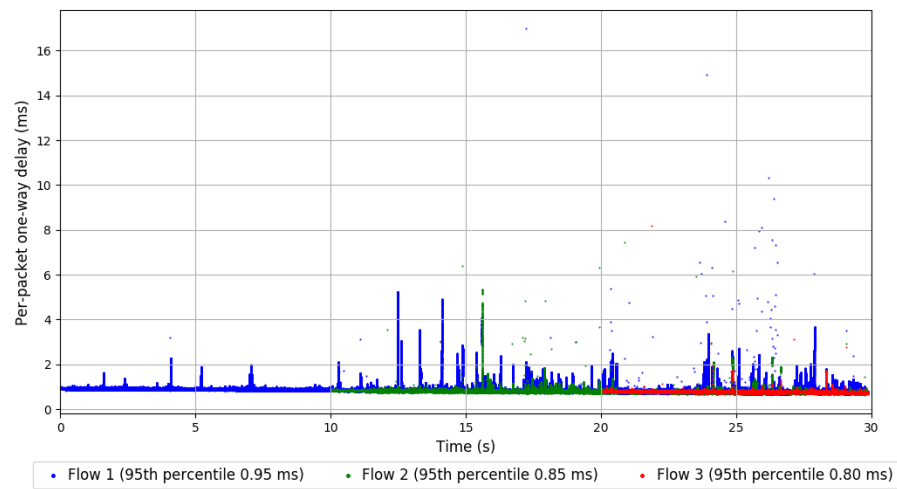
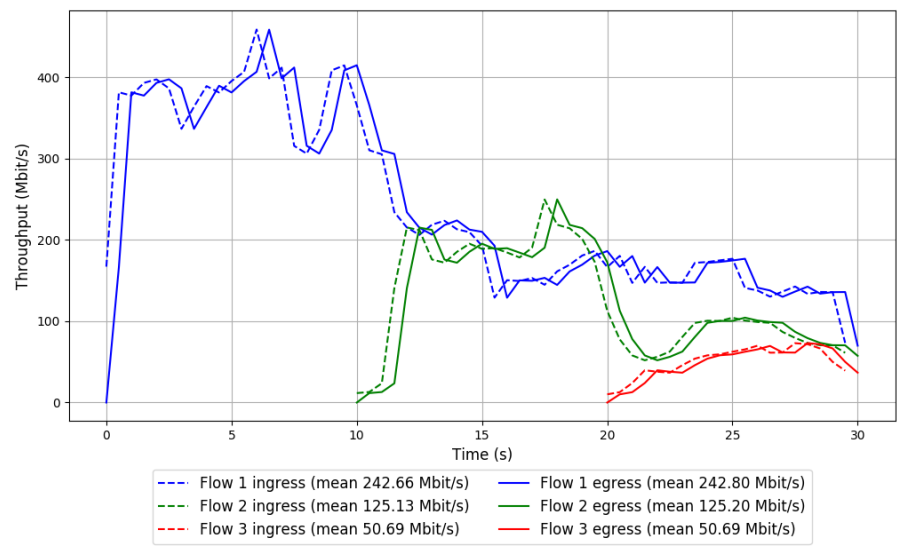
-- Flow 3:

Average throughput: 50.69 Mbit/s

95th percentile per-packet one-way delay: 0.802 ms

Loss rate: 0.26%

Run 10: Report of PCC-Expr — Data Link

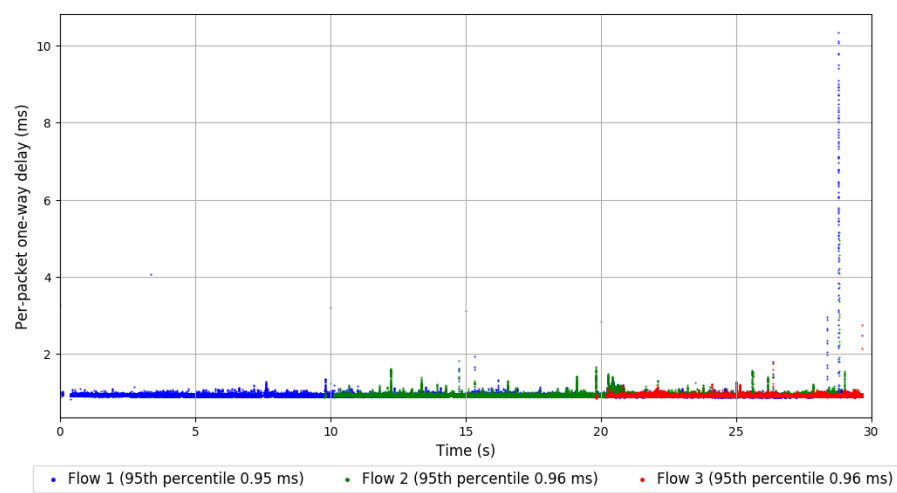
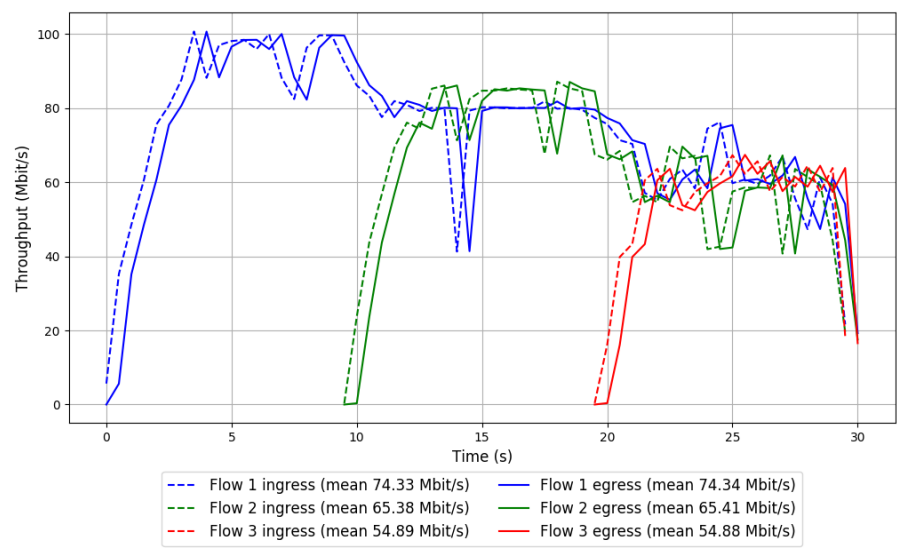


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-04 10:57:25
End at: 2018-07-04 10:57:55
Local clock offset: 3.905 ms
Remote clock offset: -0.261 ms

Below is generated by plot.py at 2018-07-04 17:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 136.50 Mbit/s
95th percentile per-packet one-way delay: 0.958 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 74.34 Mbit/s
95th percentile per-packet one-way delay: 0.954 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 65.41 Mbit/s
95th percentile per-packet one-way delay: 0.964 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 54.88 Mbit/s
95th percentile per-packet one-way delay: 0.957 ms
Loss rate: 0.19%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-04 11:24:20

End at: 2018-07-04 11:24:50

Local clock offset: -0.079 ms

Remote clock offset: 3.982 ms

Below is generated by plot.py at 2018-07-04 17:21:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 136.67 Mbit/s

95th percentile per-packet one-way delay: 1.197 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 75.14 Mbit/s

95th percentile per-packet one-way delay: 1.181 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 65.92 Mbit/s

95th percentile per-packet one-way delay: 1.203 ms

Loss rate: 0.10%

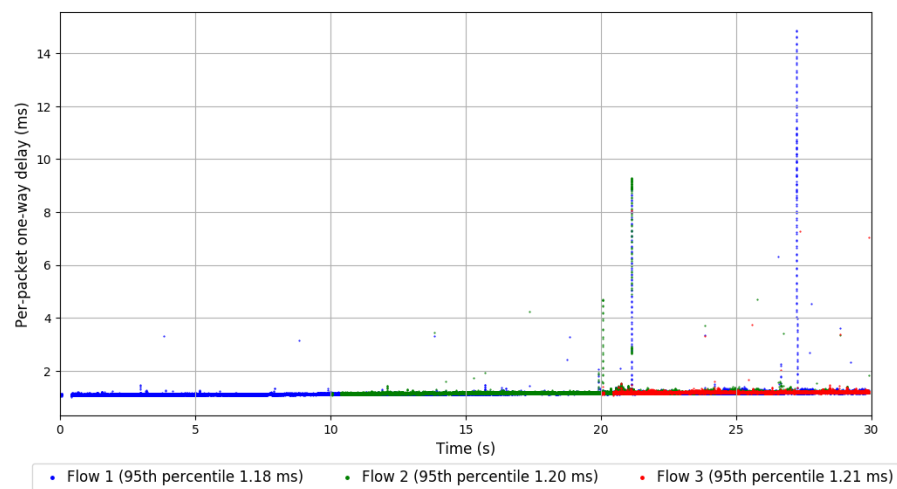
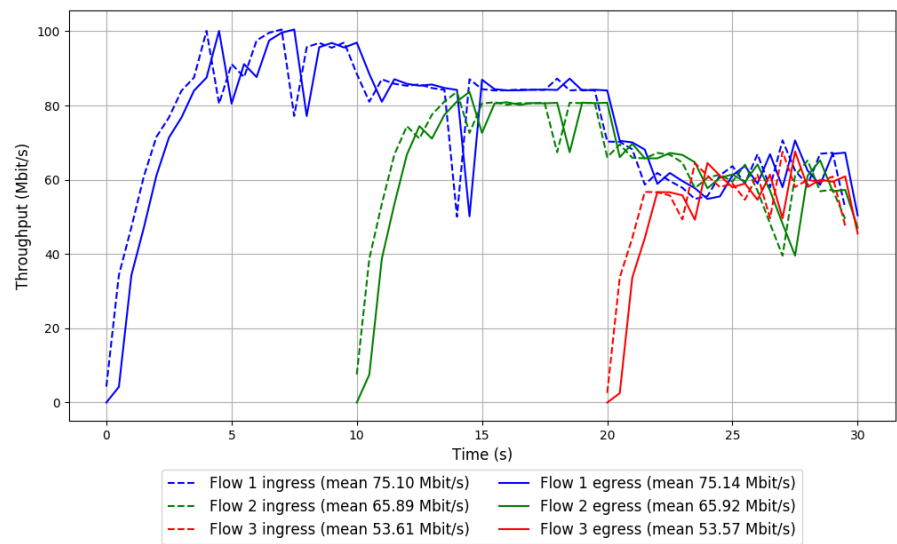
-- Flow 3:

Average throughput: 53.57 Mbit/s

95th percentile per-packet one-way delay: 1.208 ms

Loss rate: 0.20%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-04 11:51:15

End at: 2018-07-04 11:51:45

Local clock offset: -0.441 ms

Remote clock offset: 1.191 ms

Below is generated by plot.py at 2018-07-04 17:21:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 134.27 Mbit/s

95th percentile per-packet one-way delay: 0.929 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 71.86 Mbit/s

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

Loss rate: 0.05%

-- Flow 2:

Average throughput: 65.48 Mbit/s

95th percentile per-packet one-way delay: 0.921 ms

Loss rate: 0.08%

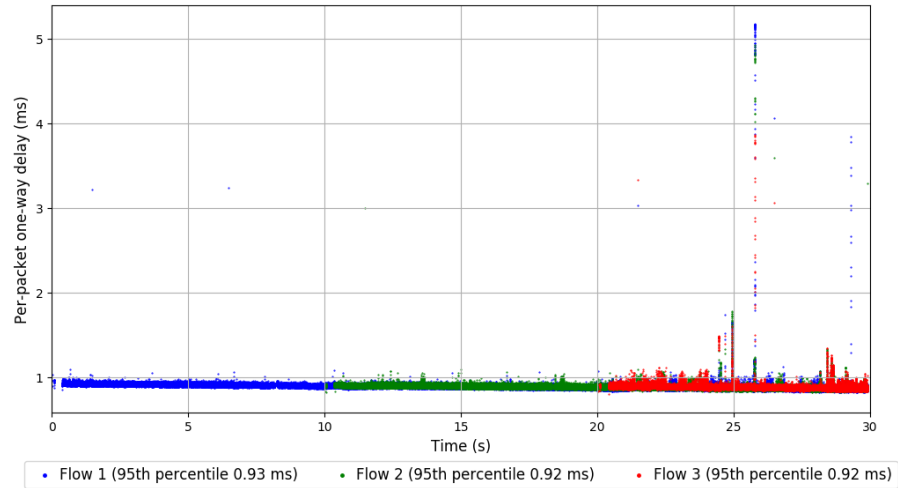
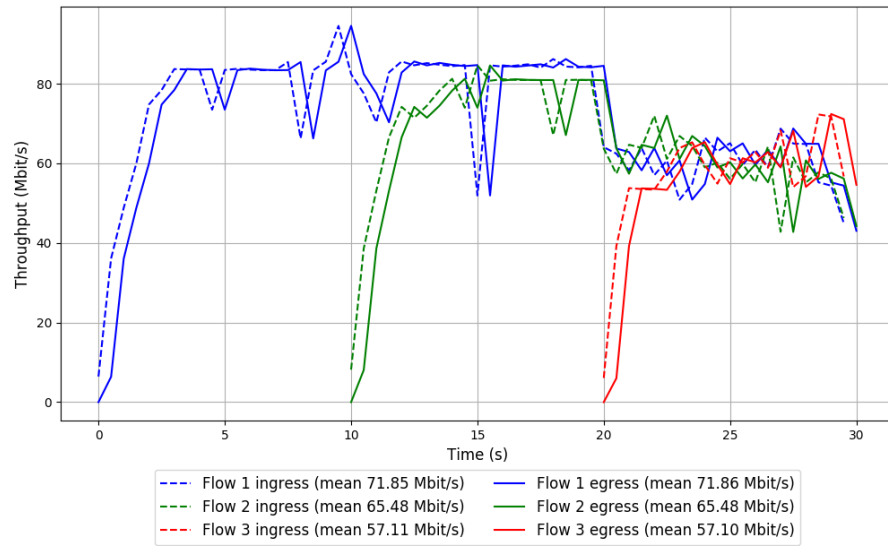
-- Flow 3:

Average throughput: 57.10 Mbit/s

95th percentile per-packet one-way delay: 0.921 ms

Loss rate: 0.25%

Run 3: Report of QUIC Cubic — Data Link

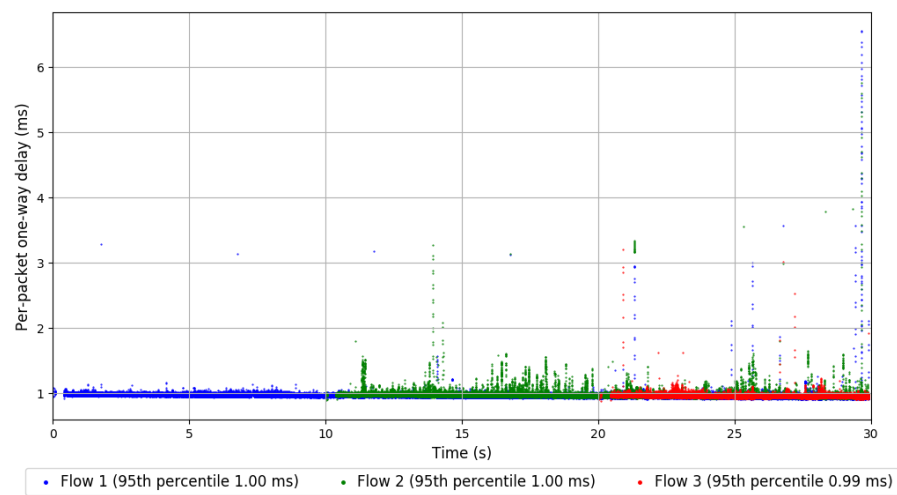
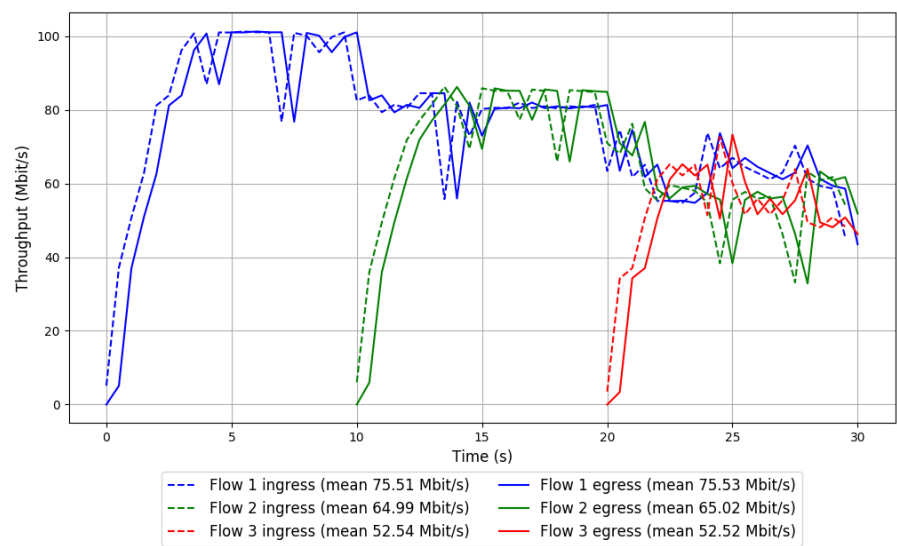


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-04 12:18:05
End at: 2018-07-04 12:18:35
Local clock offset: 3.254 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-07-04 17:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 136.10 Mbit/s
95th percentile per-packet one-way delay: 0.999 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 75.53 Mbit/s
95th percentile per-packet one-way delay: 0.997 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 65.02 Mbit/s
95th percentile per-packet one-way delay: 1.004 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 52.52 Mbit/s
95th percentile per-packet one-way delay: 0.992 ms
Loss rate: 0.21%

Run 4: Report of QUIC Cubic — Data Link

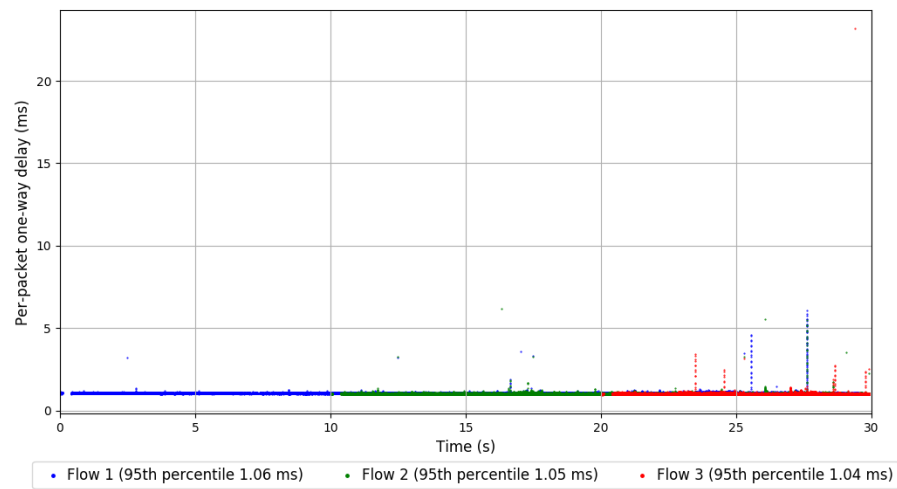
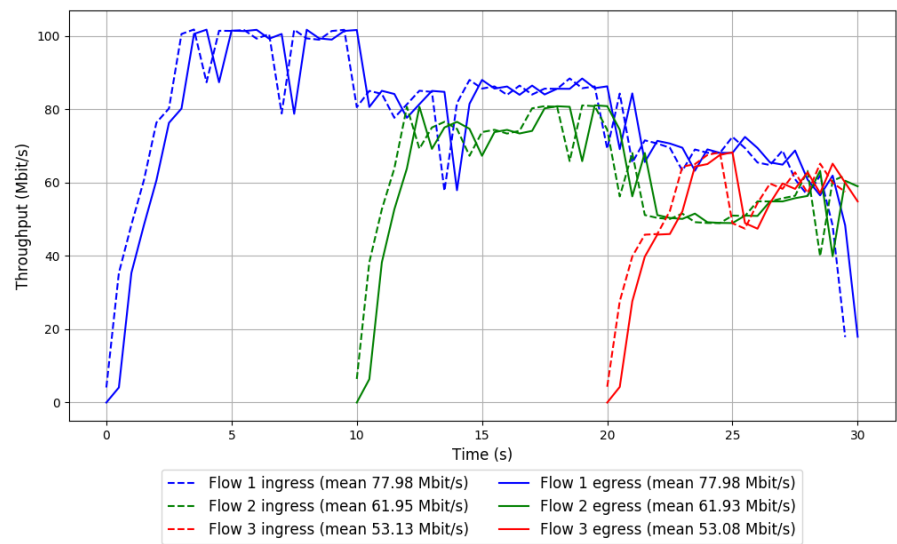


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-04 12:45:09
End at: 2018-07-04 12:45:39
Local clock offset: 4.899 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-07-04 17:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 136.15 Mbit/s
95th percentile per-packet one-way delay: 1.059 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 77.98 Mbit/s
95th percentile per-packet one-way delay: 1.063 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.93 Mbit/s
95th percentile per-packet one-way delay: 1.046 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 53.08 Mbit/s
95th percentile per-packet one-way delay: 1.044 ms
Loss rate: 0.26%

Run 5: Report of QUIC Cubic — Data Link

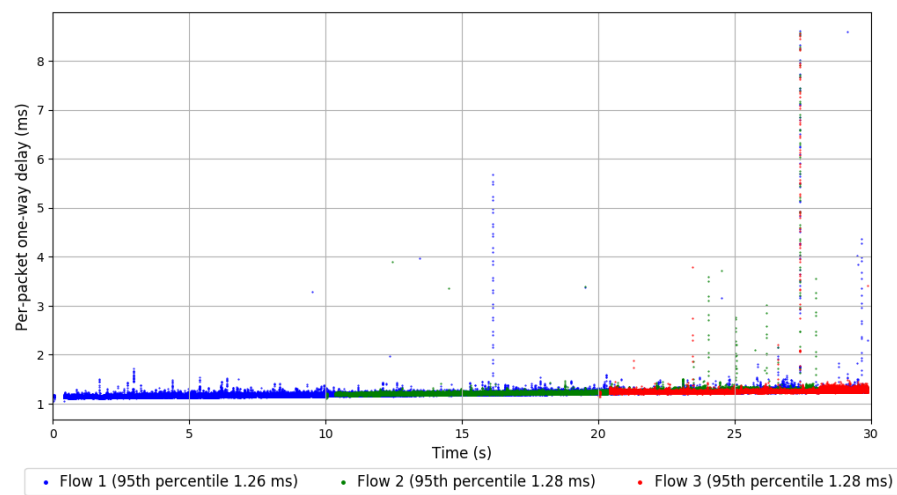
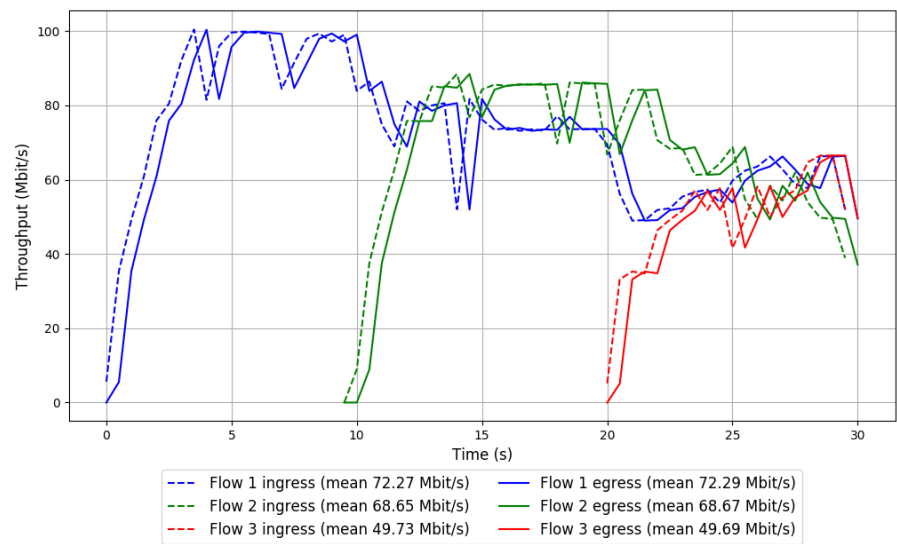


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-04 13:12:09
End at: 2018-07-04 13:12:39
Local clock offset: 1.759 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-04 17:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 134.41 Mbit/s
95th percentile per-packet one-way delay: 1.273 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 72.29 Mbit/s
95th percentile per-packet one-way delay: 1.263 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 68.67 Mbit/s
95th percentile per-packet one-way delay: 1.279 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 49.69 Mbit/s
95th percentile per-packet one-way delay: 1.278 ms
Loss rate: 0.26%

Run 6: Report of QUIC Cubic — Data Link

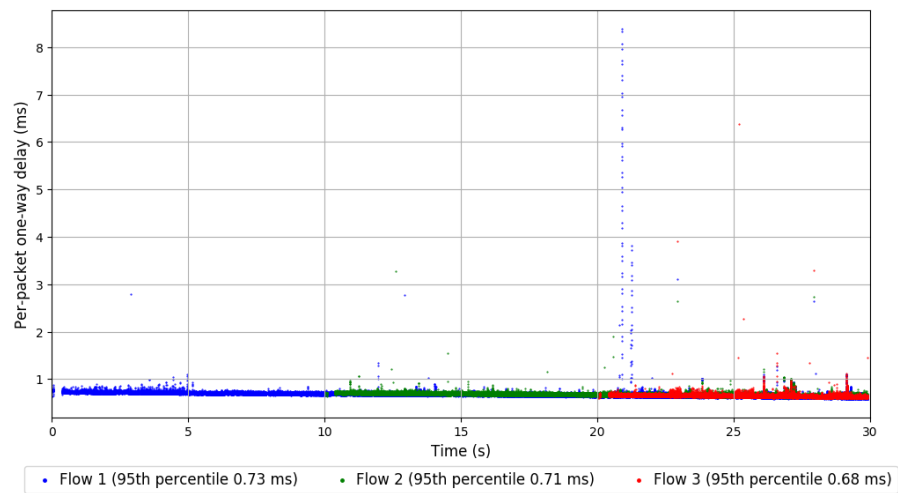
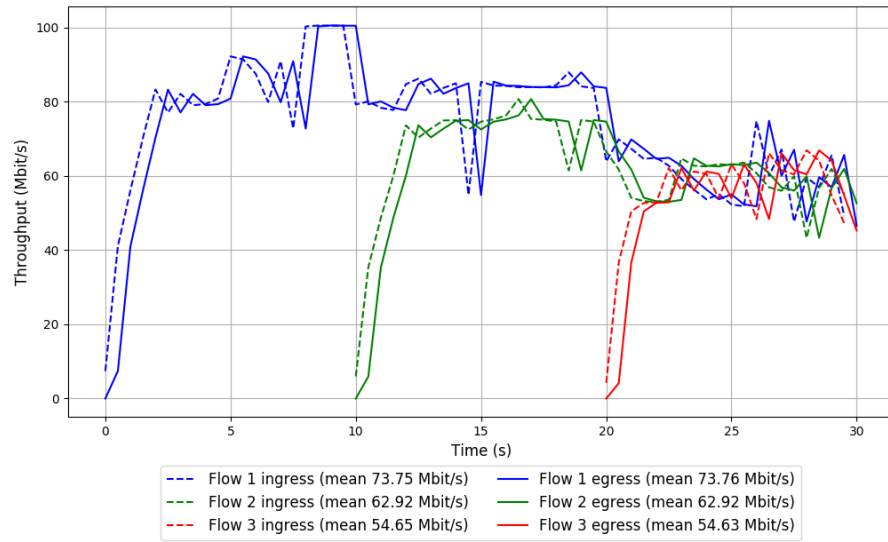


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-04 13:39:14
End at: 2018-07-04 13:39:44
Local clock offset: 1.019 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-04 17:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 133.64 Mbit/s
95th percentile per-packet one-way delay: 0.723 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 73.76 Mbit/s
95th percentile per-packet one-way delay: 0.729 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 62.92 Mbit/s
95th percentile per-packet one-way delay: 0.715 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 54.63 Mbit/s
95th percentile per-packet one-way delay: 0.681 ms
Loss rate: 0.20%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-04 14:06:21

End at: 2018-07-04 14:06:51

Local clock offset: 2.333 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-07-04 17:21:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 136.74 Mbit/s

95th percentile per-packet one-way delay: 1.358 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 75.92 Mbit/s

95th percentile per-packet one-way delay: 1.348 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 64.38 Mbit/s

95th percentile per-packet one-way delay: 1.367 ms

Loss rate: 0.10%

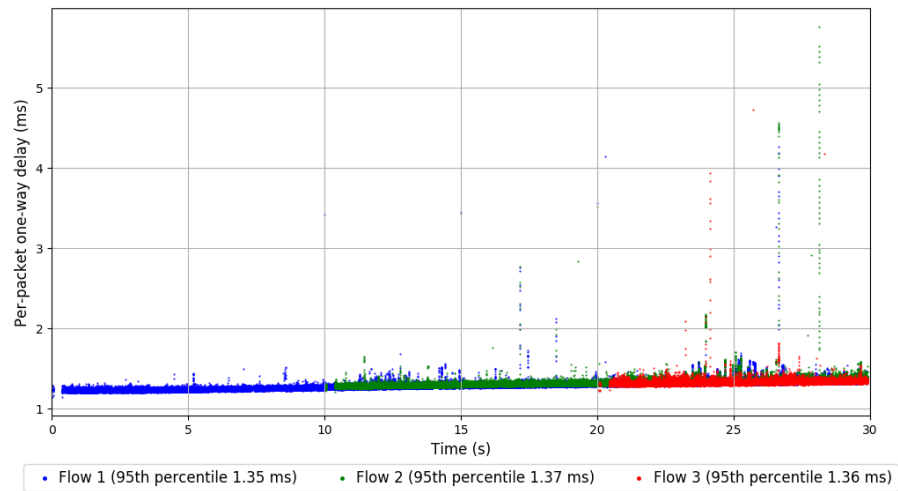
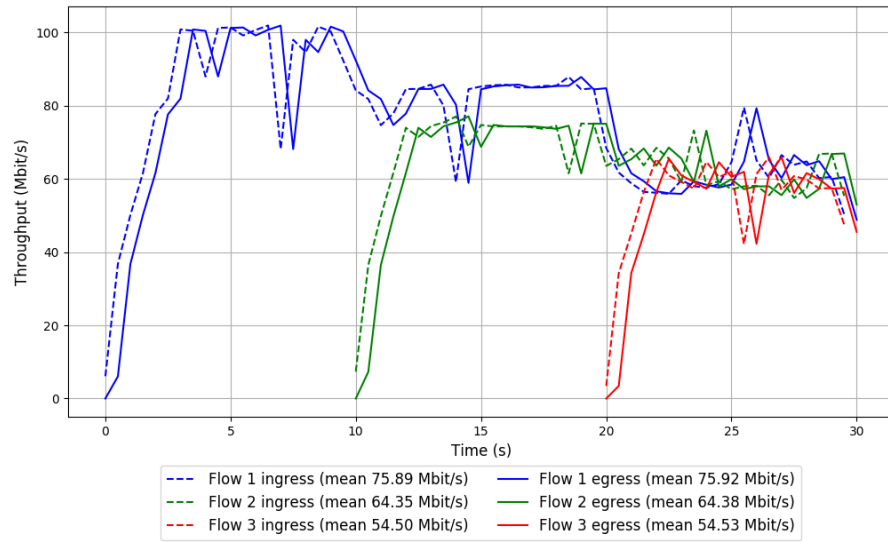
-- Flow 3:

Average throughput: 54.53 Mbit/s

95th percentile per-packet one-way delay: 1.361 ms

Loss rate: 0.20%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-04 14:33:24

End at: 2018-07-04 14:33:54

Local clock offset: -0.508 ms

Remote clock offset: 1.128 ms

Below is generated by plot.py at 2018-07-04 17:21:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 137.49 Mbit/s

95th percentile per-packet one-way delay: 1.113 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 75.30 Mbit/s

95th percentile per-packet one-way delay: 1.094 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 66.69 Mbit/s

95th percentile per-packet one-way delay: 1.109 ms

Loss rate: 0.08%

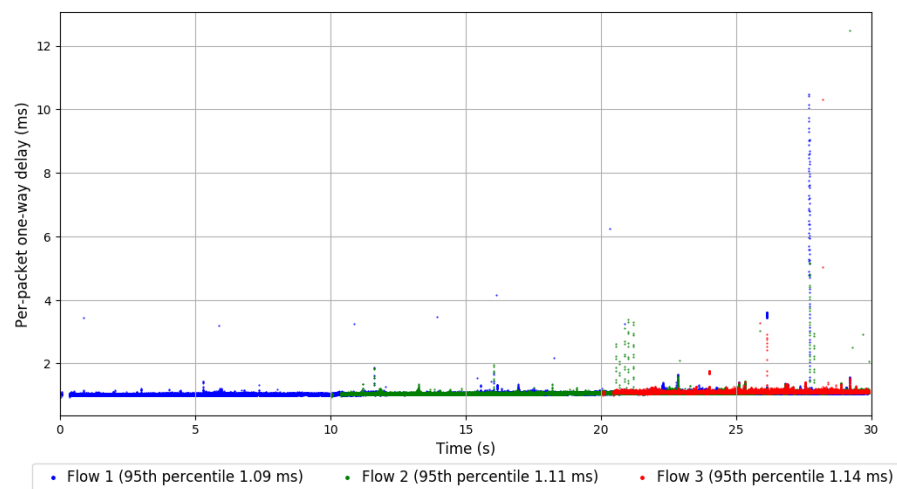
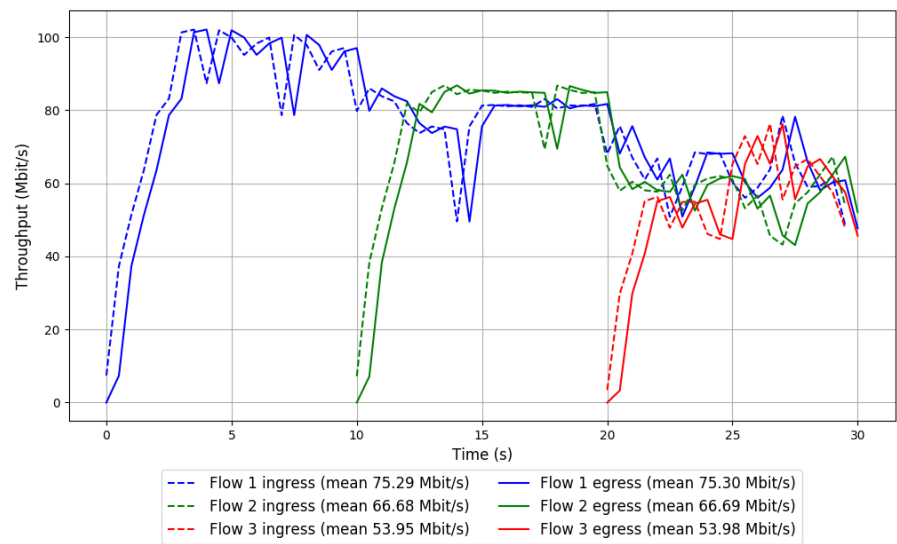
-- Flow 3:

Average throughput: 53.98 Mbit/s

95th percentile per-packet one-way delay: 1.137 ms

Loss rate: 0.21%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-04 15:00:18

End at: 2018-07-04 15:00:48

Local clock offset: -0.084 ms

Remote clock offset: 4.211 ms

Below is generated by plot.py at 2018-07-04 17:21:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 136.72 Mbit/s

95th percentile per-packet one-way delay: 1.014 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 75.84 Mbit/s

95th percentile per-packet one-way delay: 1.011 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 65.01 Mbit/s

95th percentile per-packet one-way delay: 1.016 ms

Loss rate: 0.09%

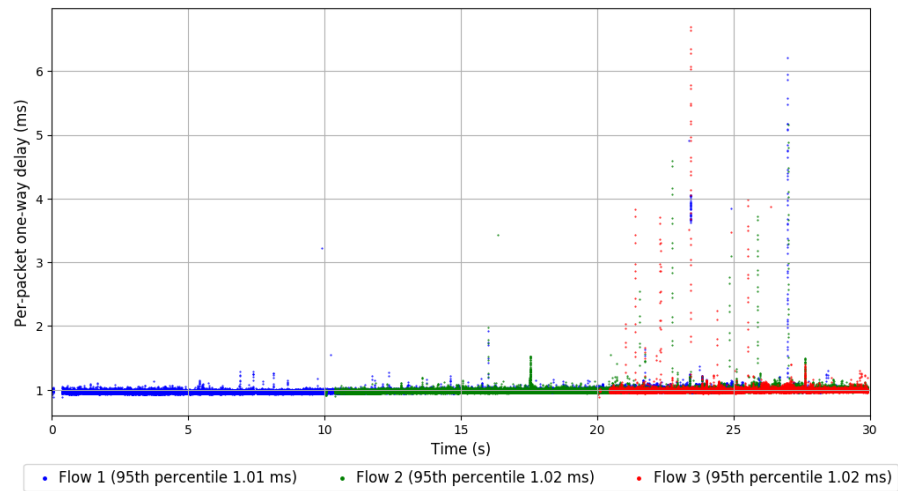
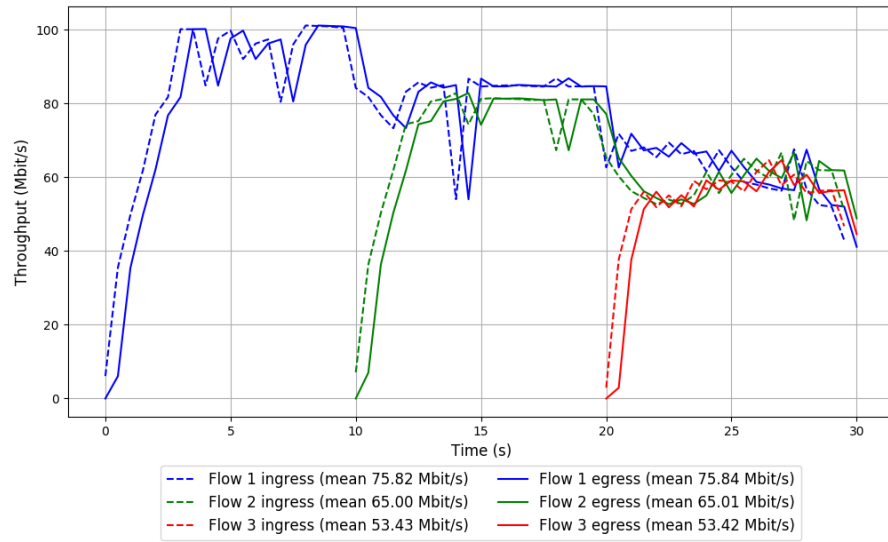
-- Flow 3:

Average throughput: 53.42 Mbit/s

95th percentile per-packet one-way delay: 1.016 ms

Loss rate: 0.22%

Run 10: Report of QUIC Cubic — Data Link

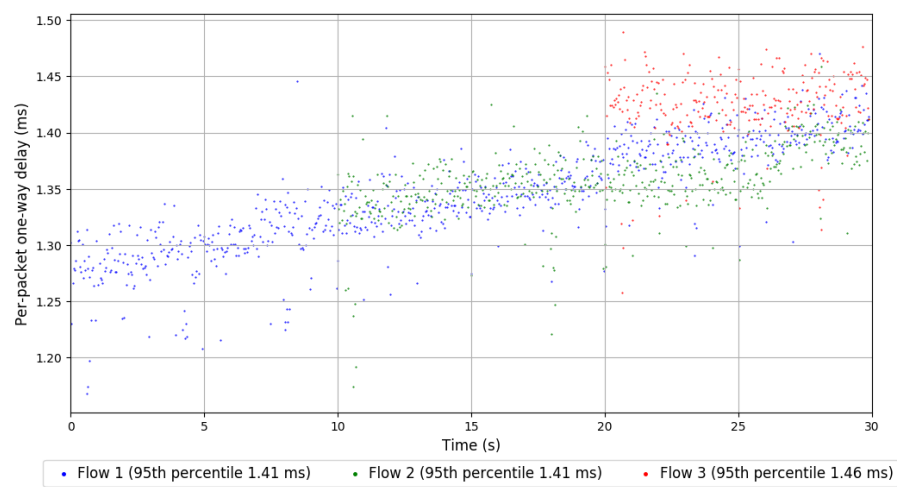
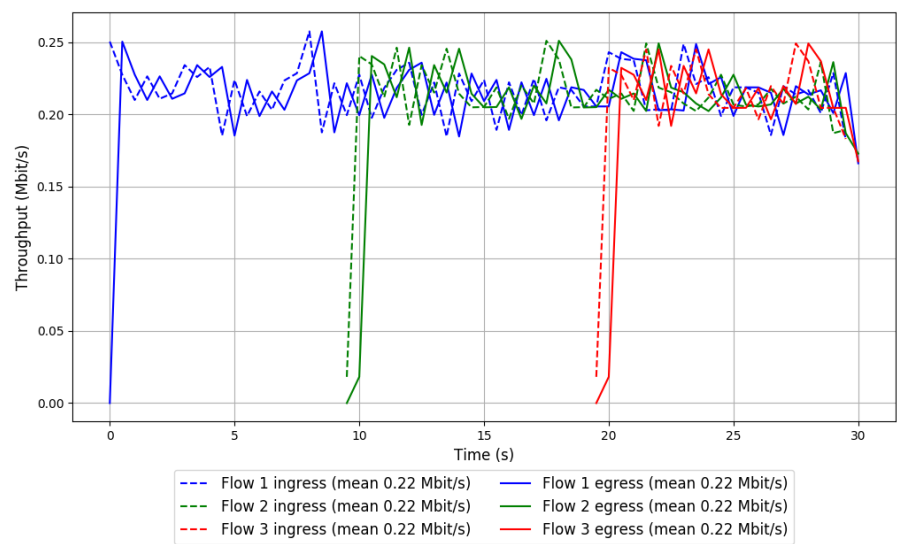


```
Run 1: Statistics of SReAM

Start at: 2018-07-04 11:16:19
End at: 2018-07-04 11:16:49
Local clock offset: 0.681 ms
Remote clock offset: 2.887 ms

# Below is generated by plot.py at 2018-07-04 17:21:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.441 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.414 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.406 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.463 ms
Loss rate: 0.36%
```


Run 1: Report of SReAM — Data Link



Run 2: Statistics of SReAM

Start at: 2018-07-04 11:43:15

End at: 2018-07-04 11:43:45

Local clock offset: -0.331 ms

Remote clock offset: 3.258 ms

Below is generated by plot.py at 2018-07-04 17:21:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 1.068 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.081 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.022 ms

Loss rate: 0.00%

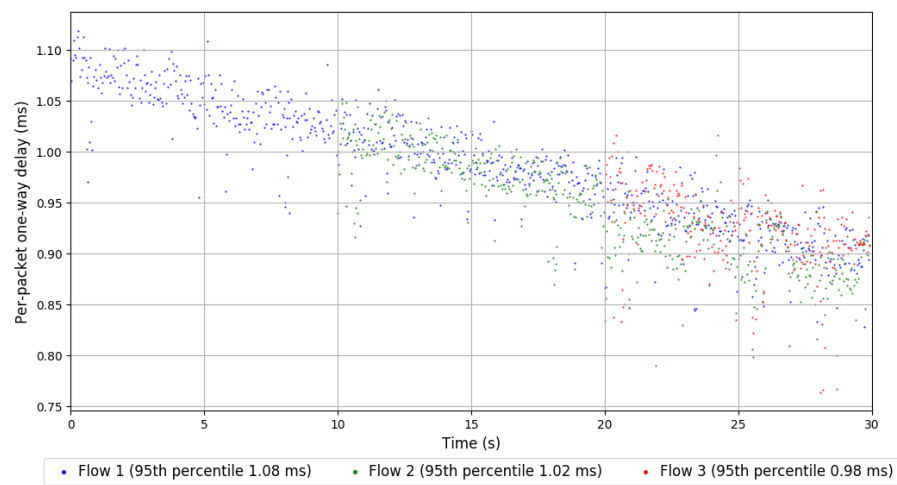
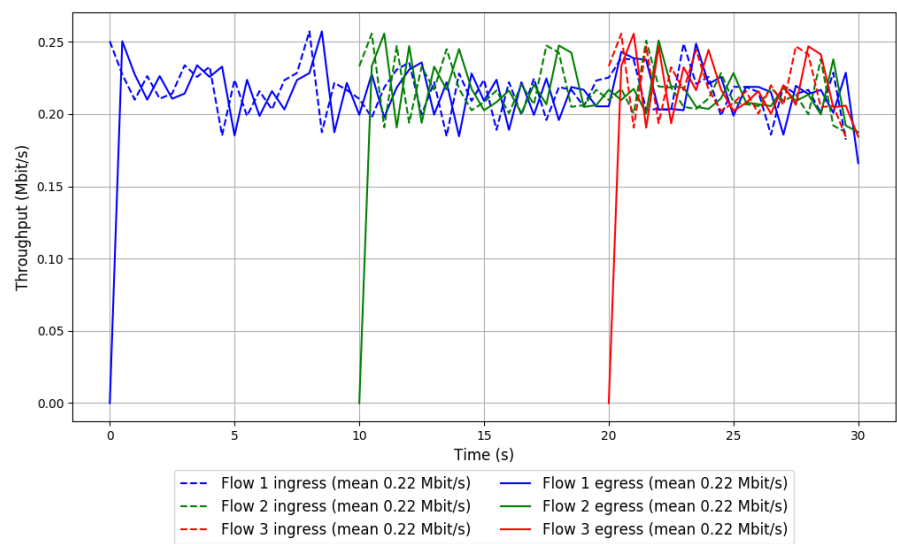
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 0.984 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2018-07-04 12:10:06

End at: 2018-07-04 12:10:36

Local clock offset: 1.902 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-07-04 17:21:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 0.975 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 0.972 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 0.988 ms

Loss rate: 0.19%

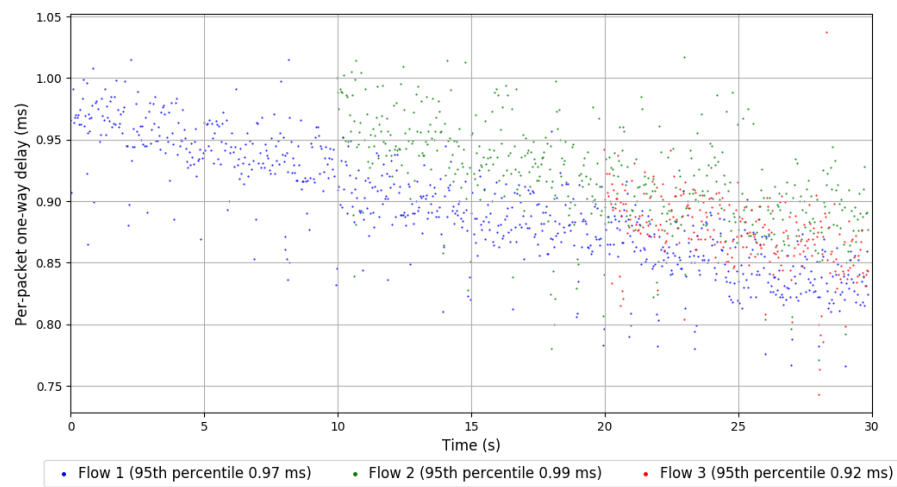
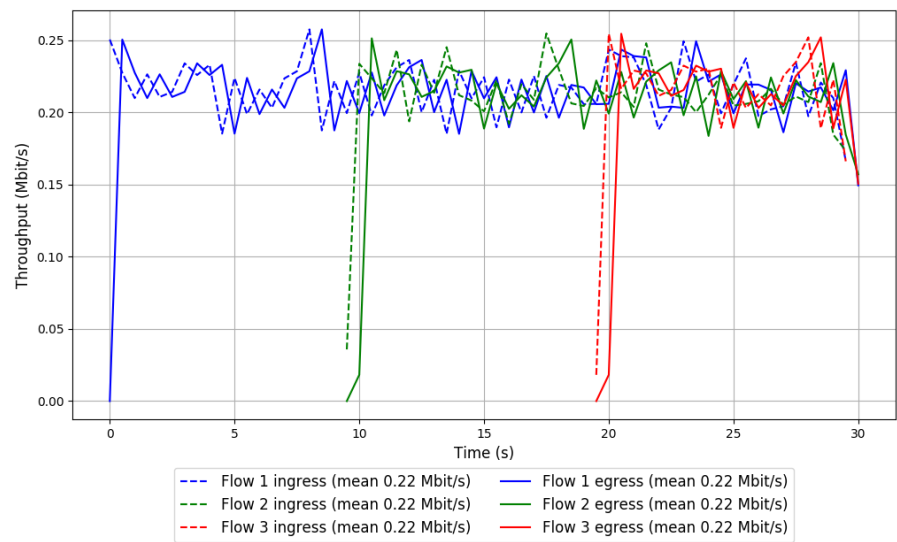
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 0.915 ms

Loss rate: 0.35%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-07-04 12:37:08

End at: 2018-07-04 12:37:38

Local clock offset: 4.478 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-07-04 17:21:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 1.064 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.067 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.19%

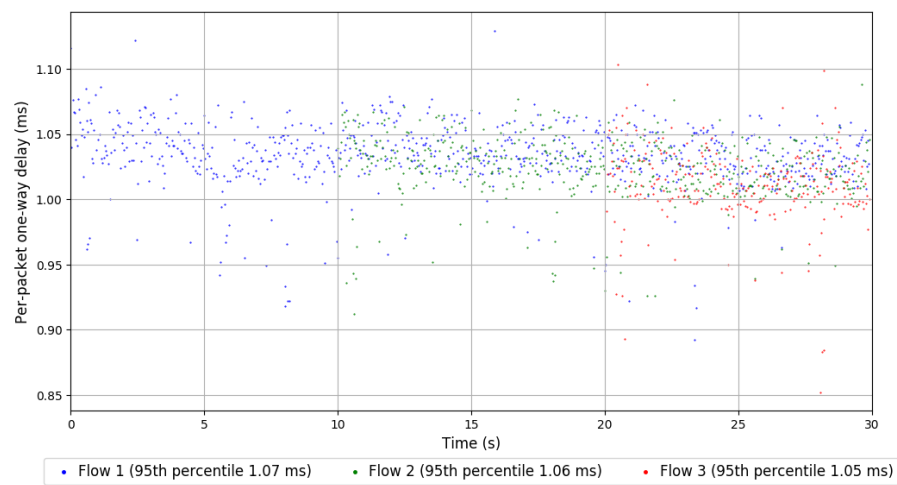
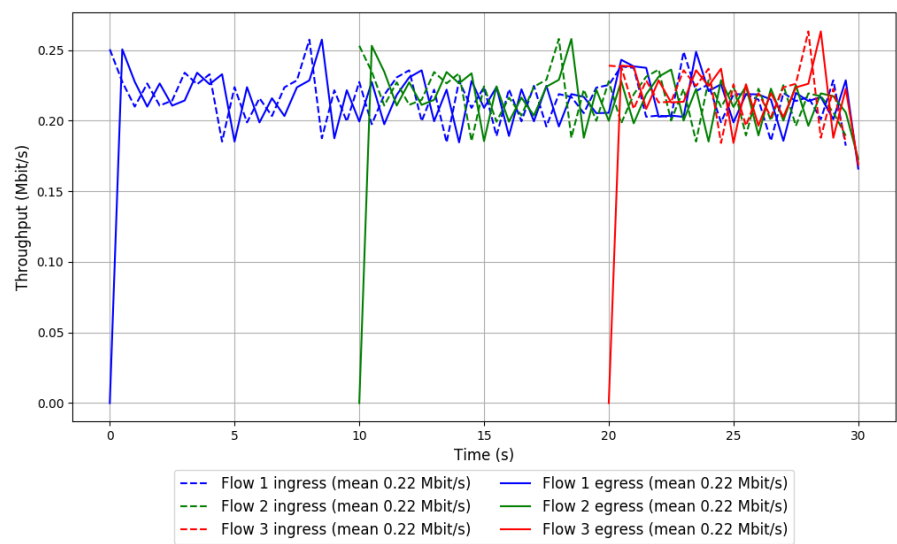
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.053 ms

Loss rate: 0.35%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-07-04 13:04:08

End at: 2018-07-04 13:04:38

Local clock offset: 5.096 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-07-04 17:21:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 1.712 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.713 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.708 ms

Loss rate: 0.00%

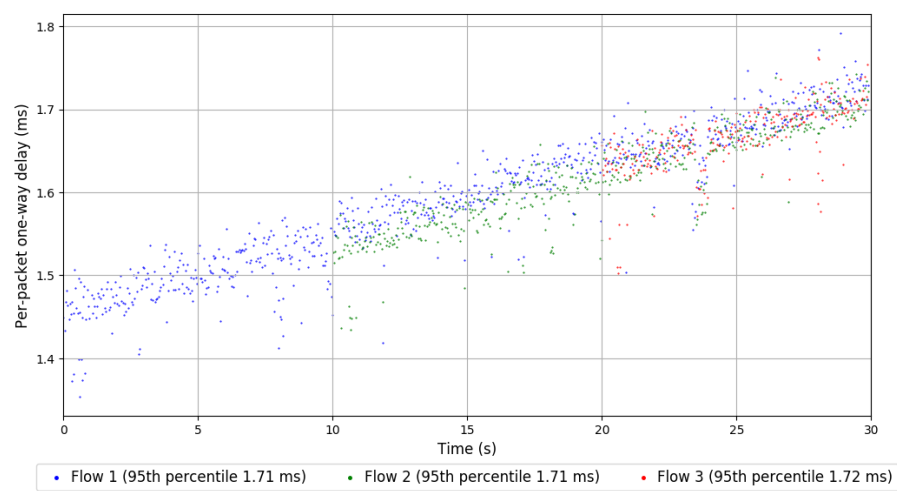
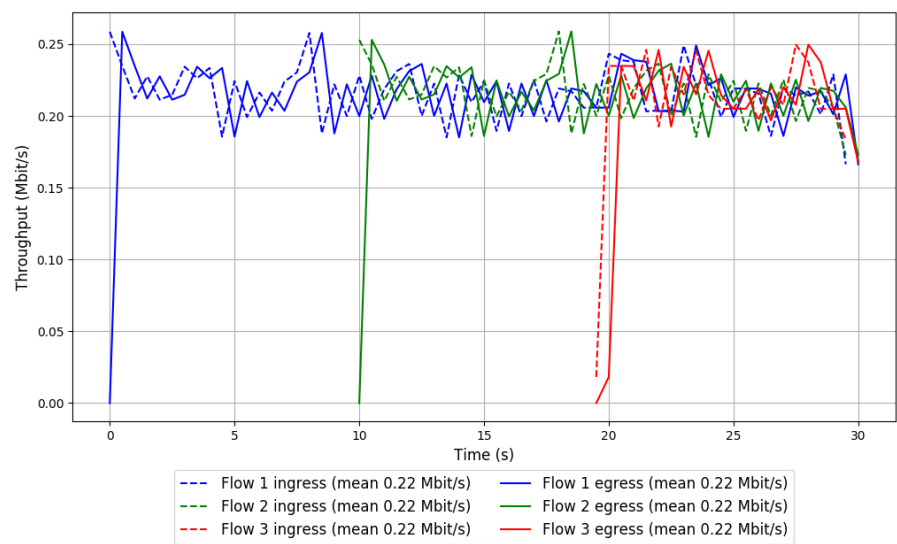
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.719 ms

Loss rate: 0.35%

Run 5: Report of SReAM — Data Link

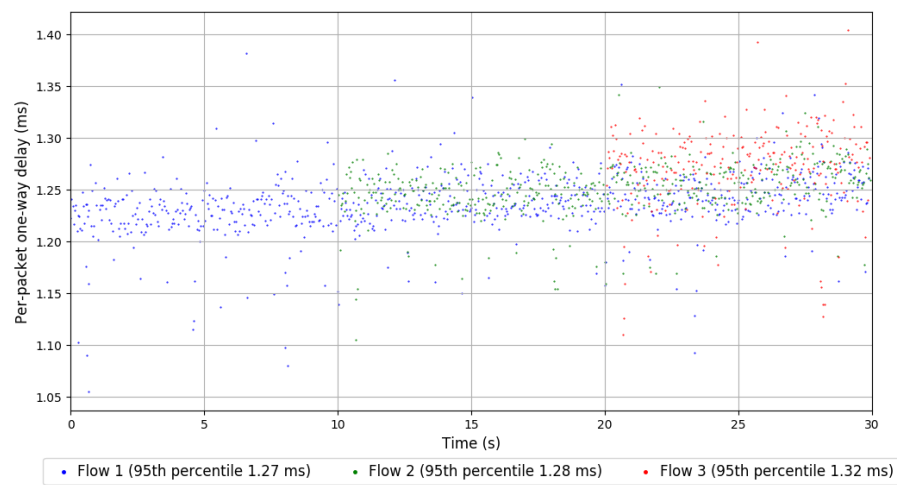
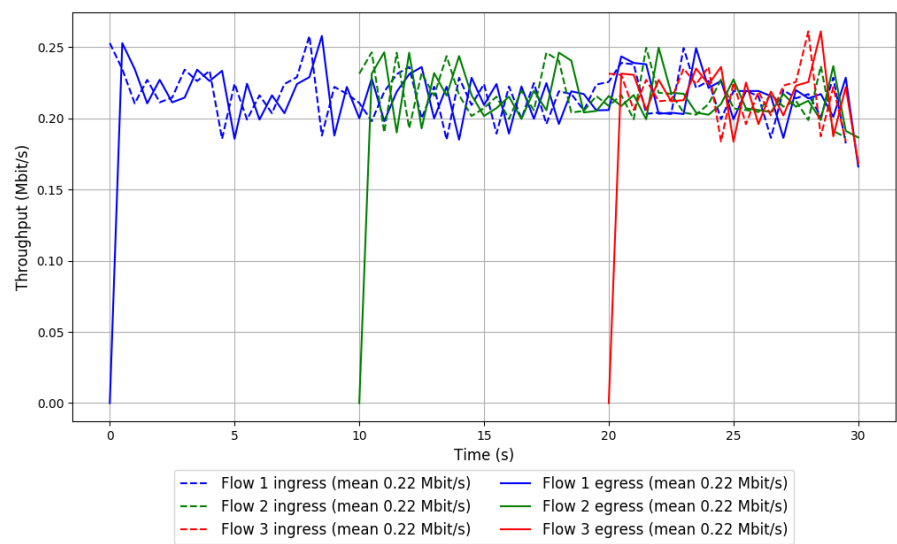


Run 6: Statistics of SReAM

Start at: 2018-07-04 13:31:15
End at: 2018-07-04 13:31:45
Local clock offset: -1.011 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-07-04 17:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.297 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.275 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.284 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.319 ms
Loss rate: 0.35%

Run 6: Report of SCReAM — Data Link

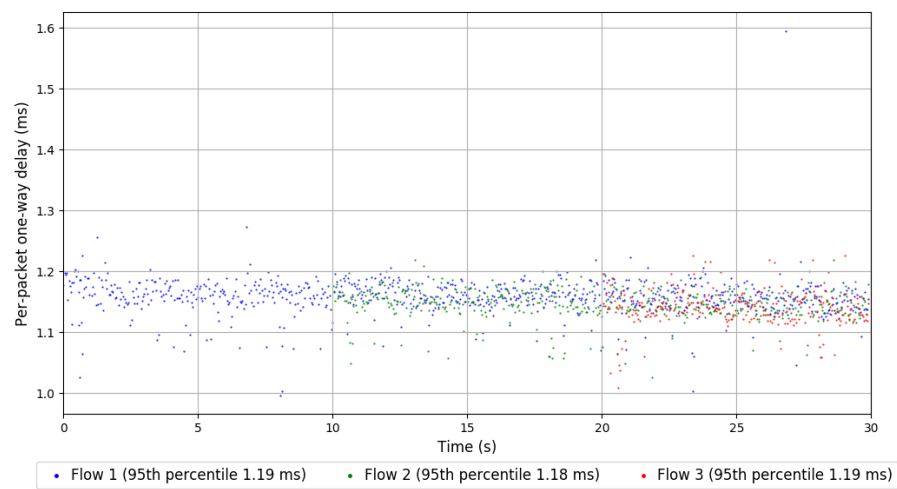
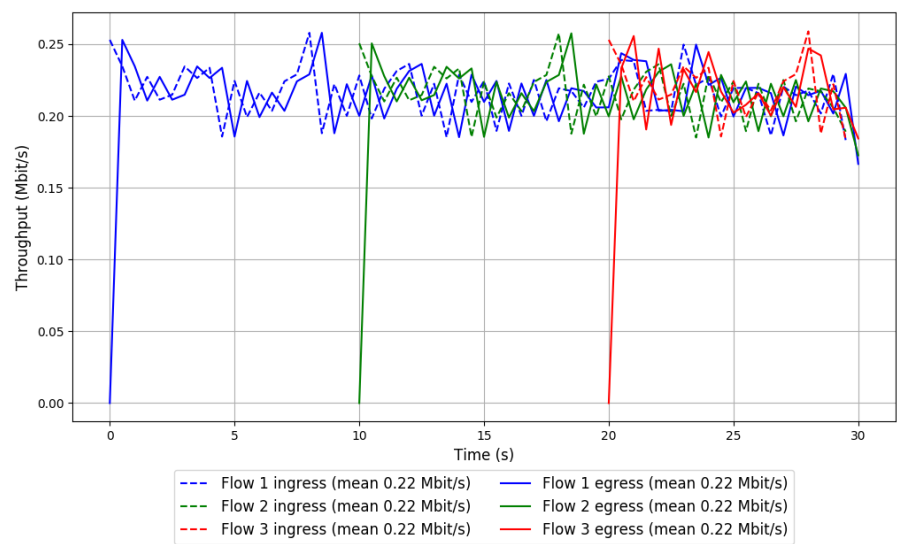


Run 7: Statistics of SReAM

Start at: 2018-07-04 13:58:21
End at: 2018-07-04 13:58:51
Local clock offset: 3.202 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-07-04 17:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.188 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.193 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.182 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.188 ms
Loss rate: 0.35%

Run 7: Report of SReAM — Data Link

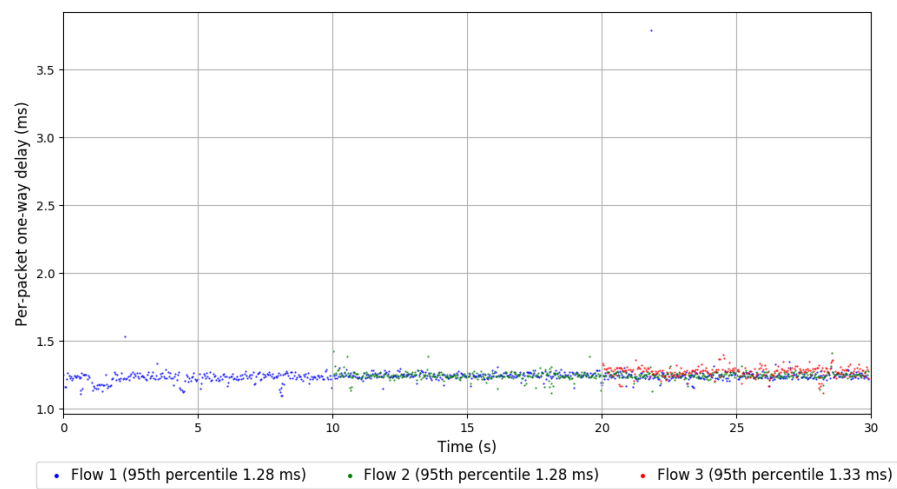
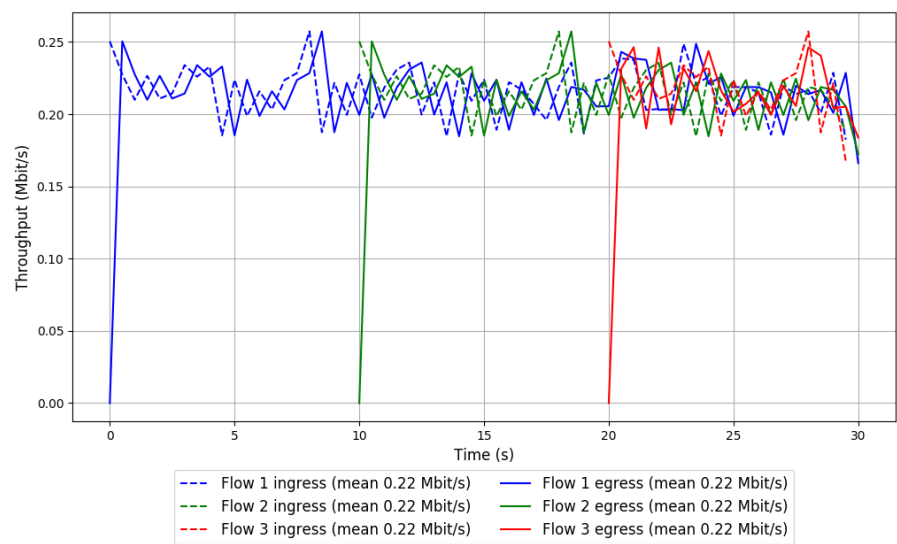


Run 8: Statistics of SReAM

Start at: 2018-07-04 14:25:22
End at: 2018-07-04 14:25:52
Local clock offset: -0.141 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-07-04 17:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.300 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.277 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.277 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.329 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-07-04 14:52:18

End at: 2018-07-04 14:52:48

Local clock offset: 0.07 ms

Remote clock offset: 3.653 ms

Below is generated by plot.py at 2018-07-04 17:21:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 1.272 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.273 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.273 ms

Loss rate: 0.19%

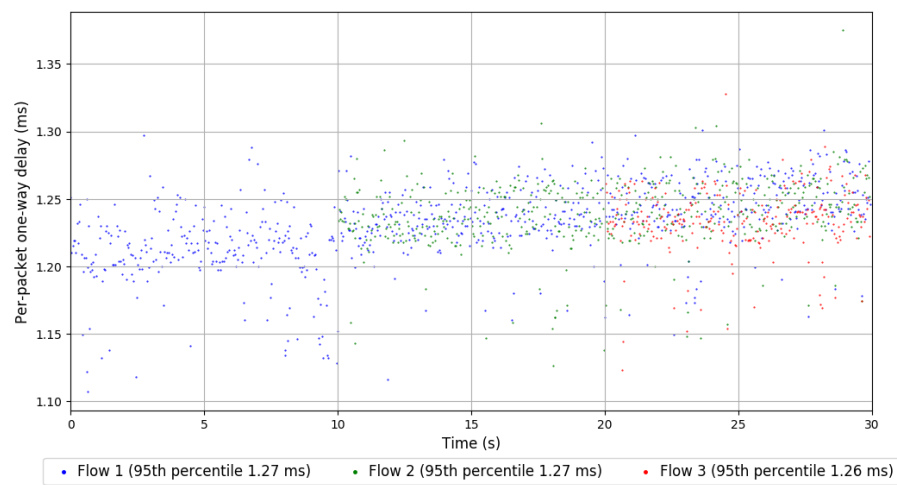
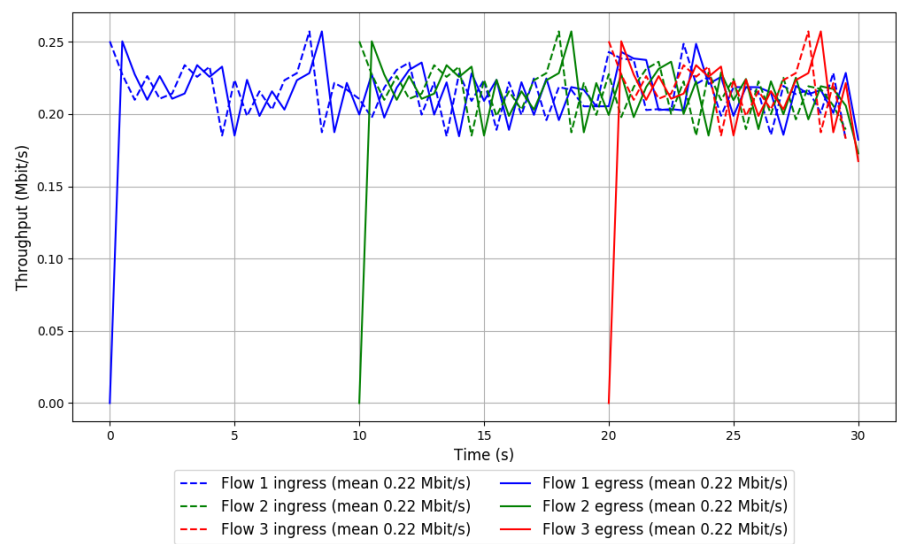
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.263 ms

Loss rate: 0.36%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-04 15:19:20

End at: 2018-07-04 15:19:50

Local clock offset: -0.151 ms

Remote clock offset: 0.36 ms

Below is generated by plot.py at 2018-07-04 17:21:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 1.020 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.025 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.012 ms

Loss rate: 0.19%

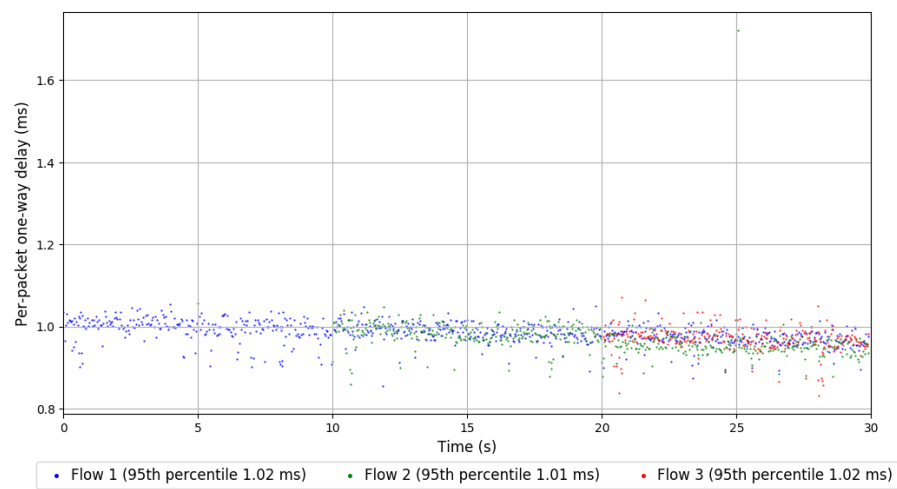
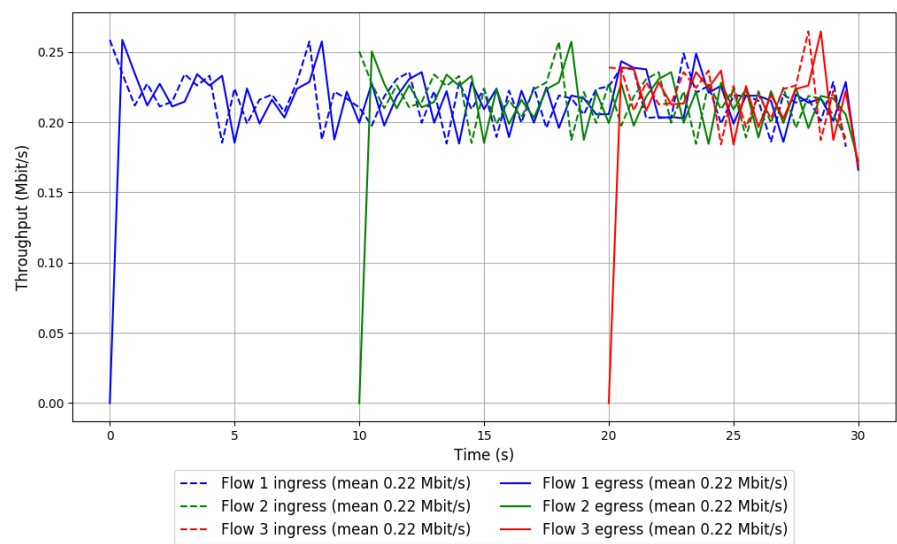
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.017 ms

Loss rate: 0.35%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-04 11:11:47

End at: 2018-07-04 11:12:17

Local clock offset: 1.459 ms

Remote clock offset: 2.084 ms

Below is generated by plot.py at 2018-07-04 17:21:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.78 Mbit/s

95th percentile per-packet one-way delay: 1.409 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 20.94 Mbit/s

95th percentile per-packet one-way delay: 1.403 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 20.91 Mbit/s

95th percentile per-packet one-way delay: 1.410 ms

Loss rate: 0.21%

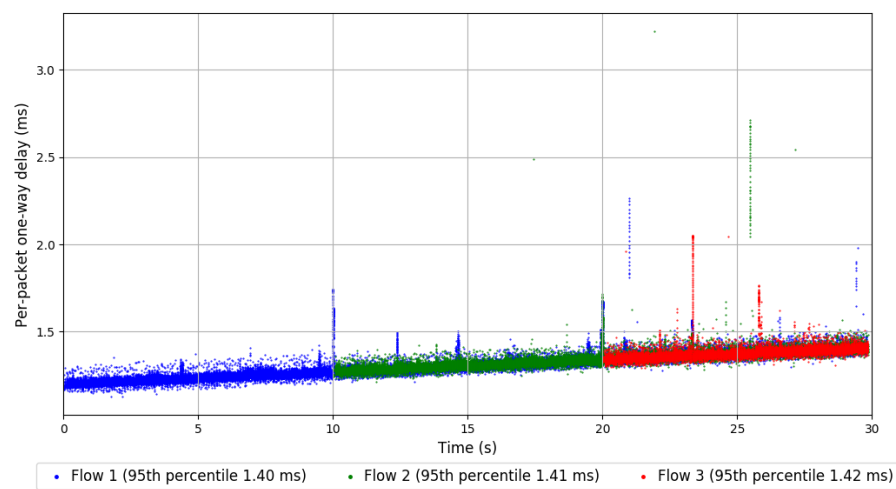
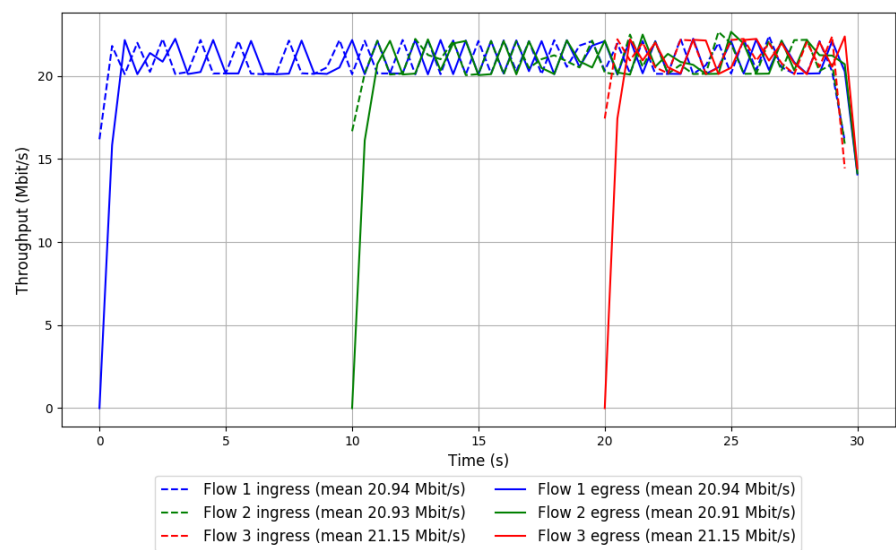
-- Flow 3:

Average throughput: 21.15 Mbit/s

95th percentile per-packet one-way delay: 1.419 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

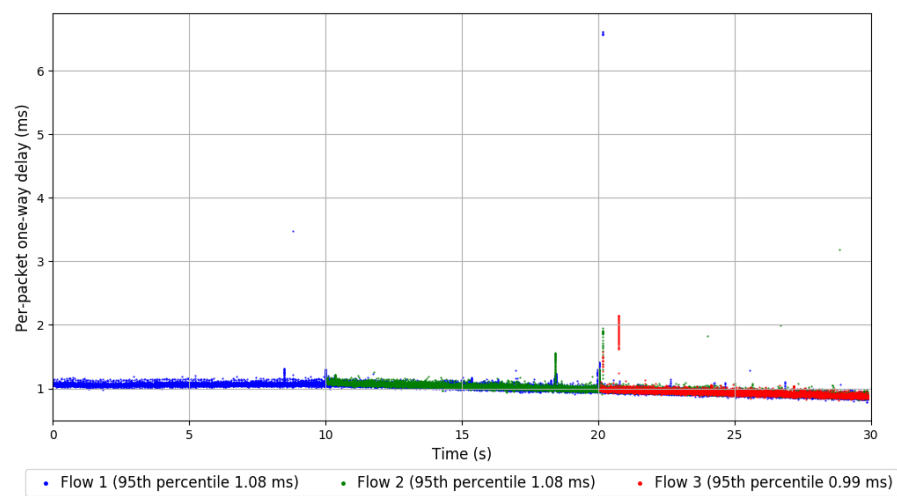
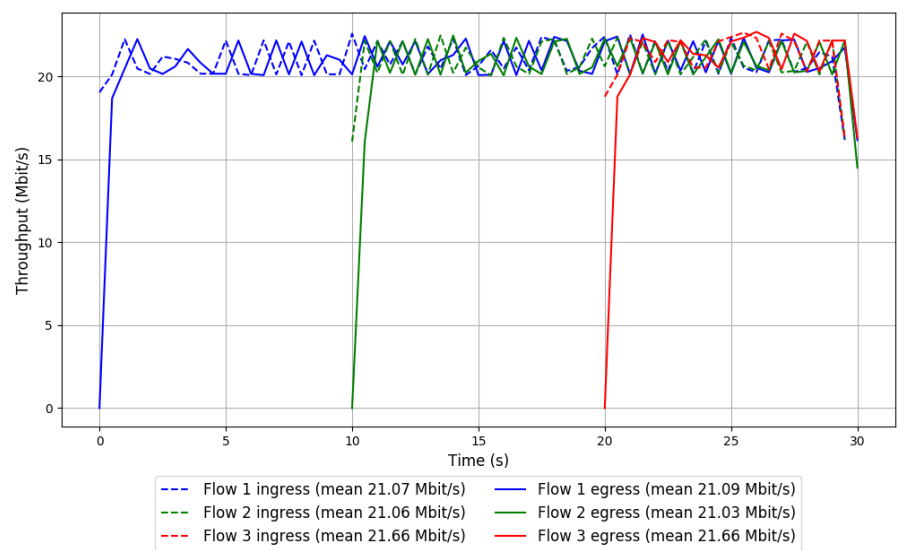


Run 2: Statistics of Sprout

Start at: 2018-07-04 11:38:41
End at: 2018-07-04 11:39:11
Local clock offset: -0.389 ms
Remote clock offset: 5.357 ms

```
# Below is generated by plot.py at 2018-07-04 17:21:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.16 Mbit/s
95th percentile per-packet one-way delay: 1.080 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 21.09 Mbit/s
95th percentile per-packet one-way delay: 1.082 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.03 Mbit/s
95th percentile per-packet one-way delay: 1.084 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 21.66 Mbit/s
95th percentile per-packet one-way delay: 0.988 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-07-04 12:05:37

End at: 2018-07-04 12:06:07

Local clock offset: 0.44 ms

Remote clock offset: 0.167 ms

Below is generated by plot.py at 2018-07-04 17:21:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.91 Mbit/s

95th percentile per-packet one-way delay: 0.652 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 20.89 Mbit/s

95th percentile per-packet one-way delay: 0.665 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.15 Mbit/s

95th percentile per-packet one-way delay: 0.602 ms

Loss rate: 0.01%

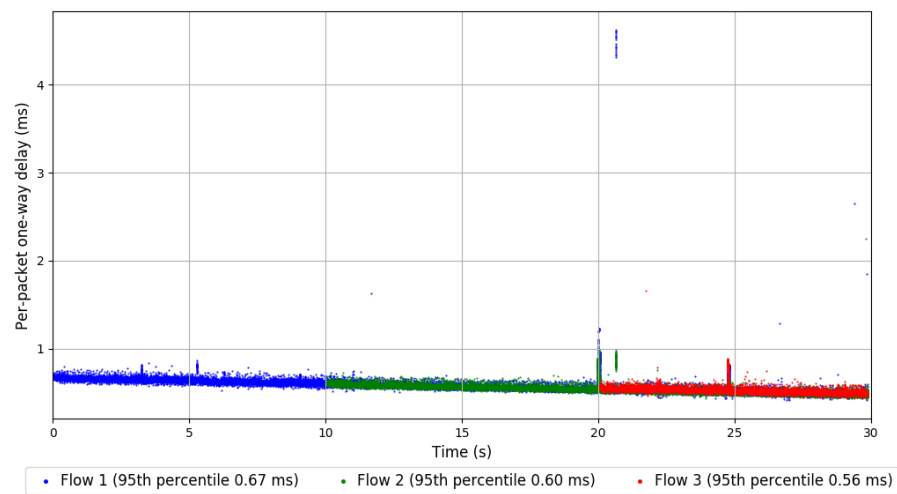
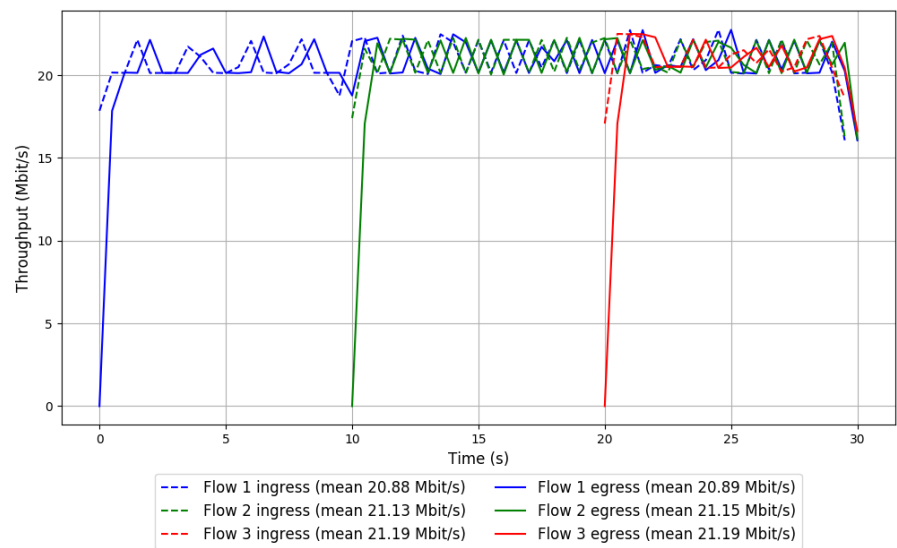
-- Flow 3:

Average throughput: 21.19 Mbit/s

95th percentile per-packet one-way delay: 0.564 ms

Loss rate: 0.48%

Run 3: Report of Sprout — Data Link

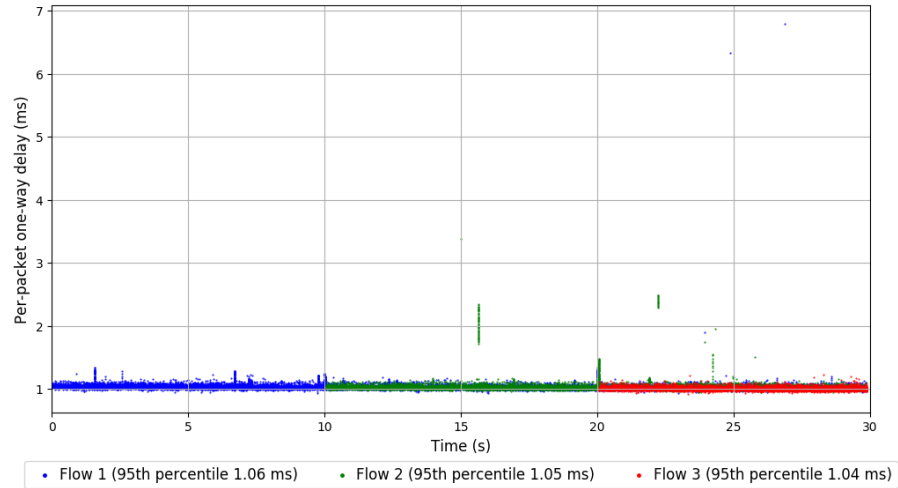
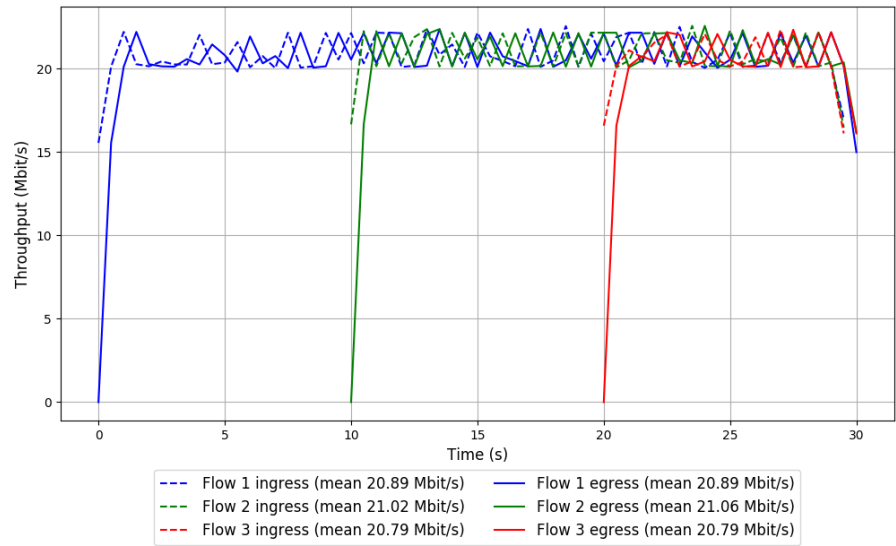


Run 4: Statistics of Sprout

Start at: 2018-07-04 12:32:31
End at: 2018-07-04 12:33:01
Local clock offset: 4.333 ms
Remote clock offset: -0.044 ms

```
# Below is generated by plot.py at 2018-07-04 17:21:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.69 Mbit/s
95th percentile per-packet one-way delay: 1.059 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 20.89 Mbit/s
95th percentile per-packet one-way delay: 1.065 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 21.06 Mbit/s
95th percentile per-packet one-way delay: 1.053 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 20.79 Mbit/s
95th percentile per-packet one-way delay: 1.037 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-04 12:59:38

End at: 2018-07-04 13:00:09

Local clock offset: 5.528 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-04 17:21:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 42.26 Mbit/s

95th percentile per-packet one-way delay: 1.013 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 21.07 Mbit/s

95th percentile per-packet one-way delay: 1.020 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 21.60 Mbit/s

95th percentile per-packet one-way delay: 0.997 ms

Loss rate: 0.16%

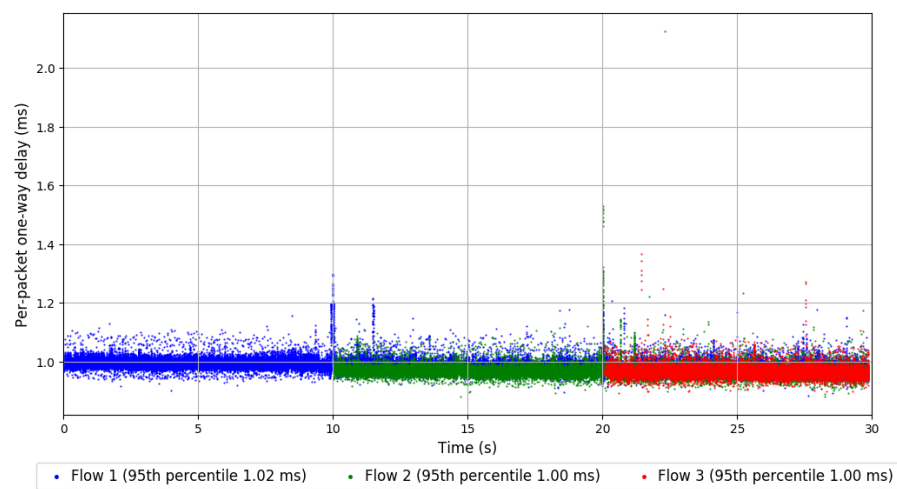
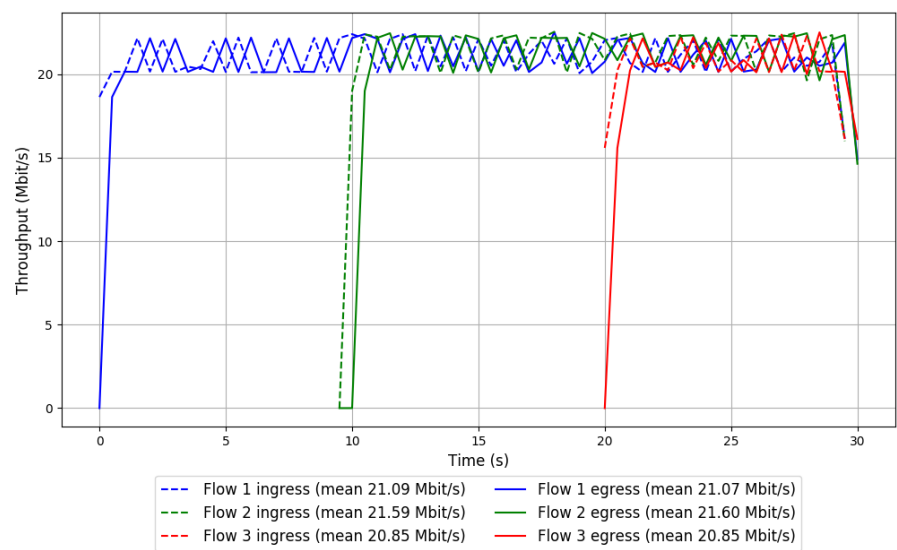
-- Flow 3:

Average throughput: 20.85 Mbit/s

95th percentile per-packet one-way delay: 0.998 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

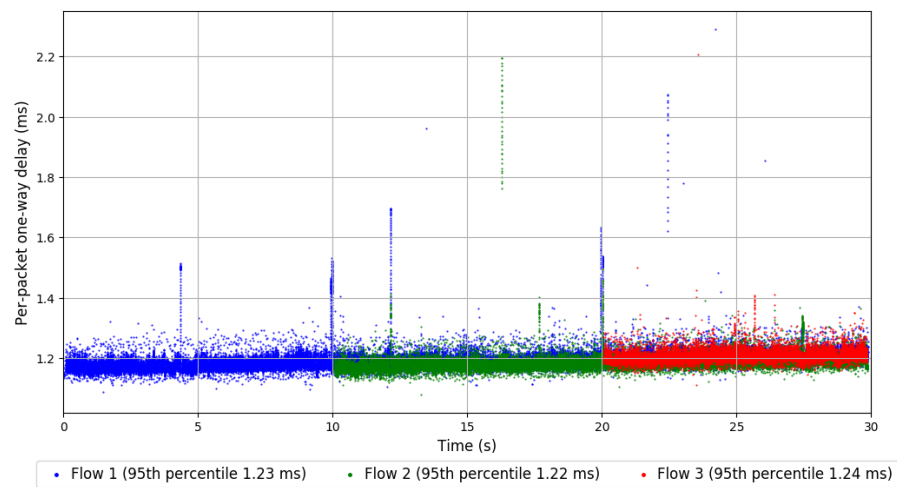
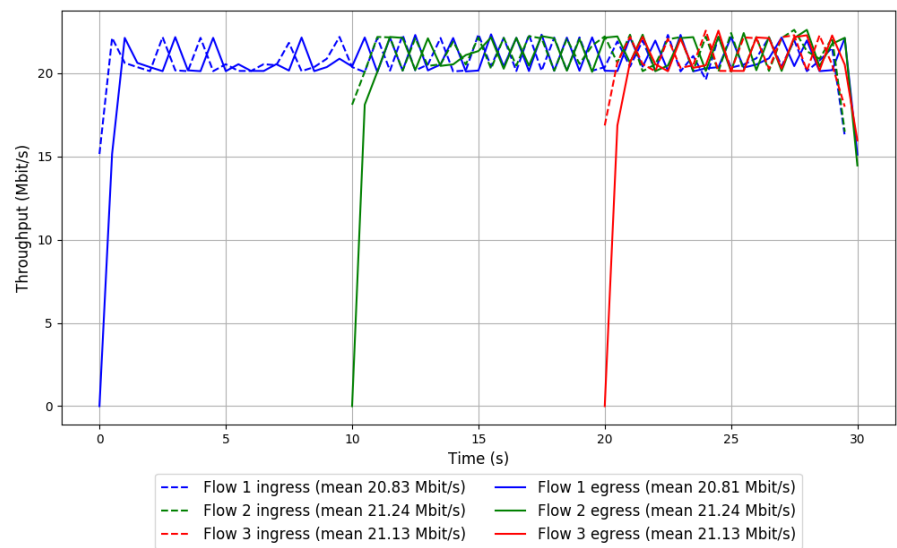


Run 6: Statistics of Sprout

Start at: 2018-07-04 13:26:47
End at: 2018-07-04 13:27:17
Local clock offset: -0.581 ms
Remote clock offset: -0.075 ms

```
# Below is generated by plot.py at 2018-07-04 17:21:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.84 Mbit/s
95th percentile per-packet one-way delay: 1.231 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 20.81 Mbit/s
95th percentile per-packet one-way delay: 1.230 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 21.24 Mbit/s
95th percentile per-packet one-way delay: 1.219 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 21.13 Mbit/s
95th percentile per-packet one-way delay: 1.238 ms
Loss rate: 0.49%
```

Run 6: Report of Sprout — Data Link

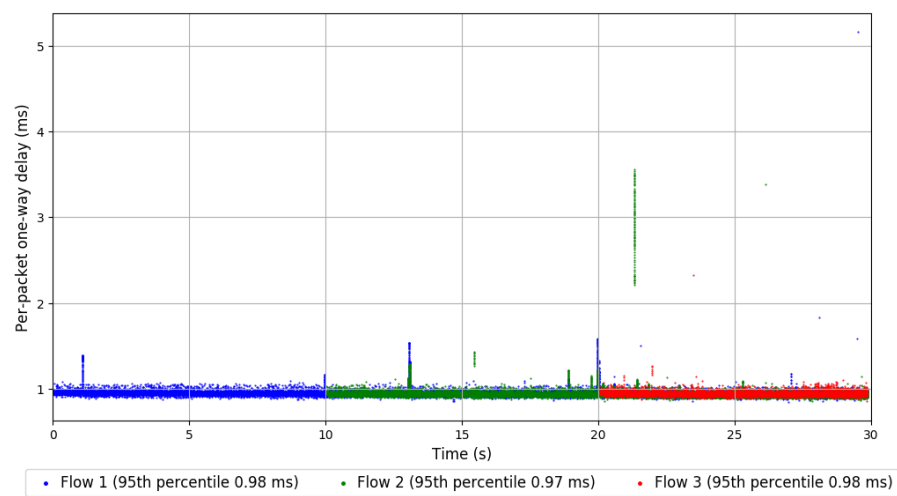
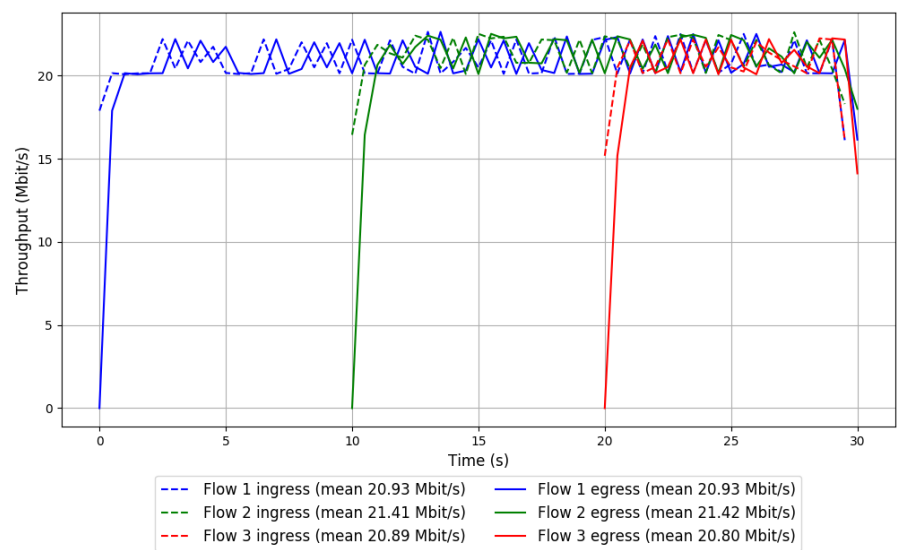


Run 7: Statistics of Sprout

Start at: 2018-07-04 13:53:41
End at: 2018-07-04 13:54:11
Local clock offset: 2.886 ms
Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-07-04 17:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.00 Mbit/s
95th percentile per-packet one-way delay: 0.977 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 20.93 Mbit/s
95th percentile per-packet one-way delay: 0.979 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.42 Mbit/s
95th percentile per-packet one-way delay: 0.973 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 20.80 Mbit/s
95th percentile per-packet one-way delay: 0.978 ms
Loss rate: 0.49%

Run 7: Report of Sprout — Data Link

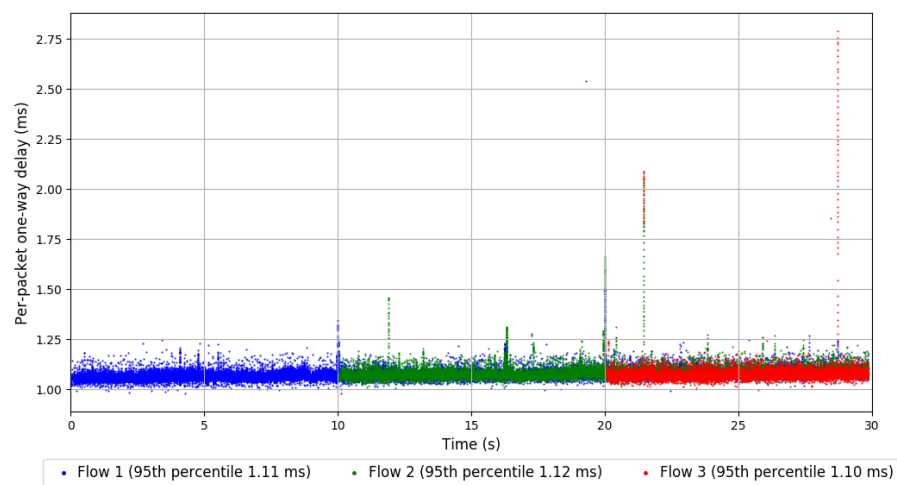
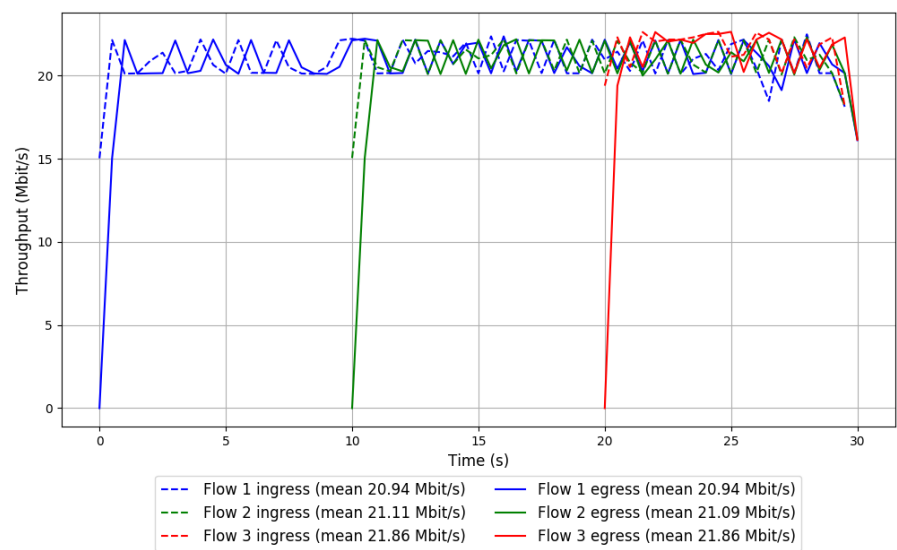


Run 8: Statistics of Sprout

Start at: 2018-07-04 14:20:54
End at: 2018-07-04 14:21:24
Local clock offset: 0.09 ms
Remote clock offset: -0.068 ms

```
# Below is generated by plot.py at 2018-07-04 17:21:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.12 Mbit/s
95th percentile per-packet one-way delay: 1.110 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 20.94 Mbit/s
95th percentile per-packet one-way delay: 1.108 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 21.09 Mbit/s
95th percentile per-packet one-way delay: 1.117 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 21.86 Mbit/s
95th percentile per-packet one-way delay: 1.103 ms
Loss rate: 0.47%
```

Run 8: Report of Sprout — Data Link

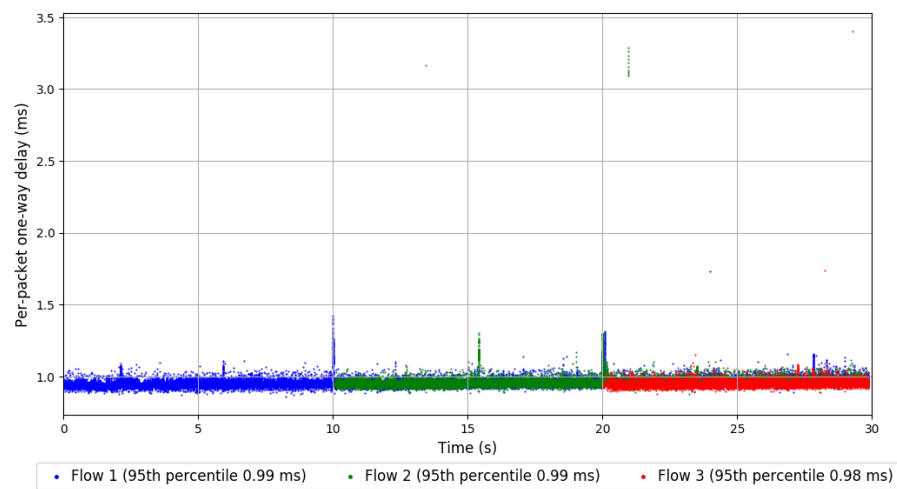
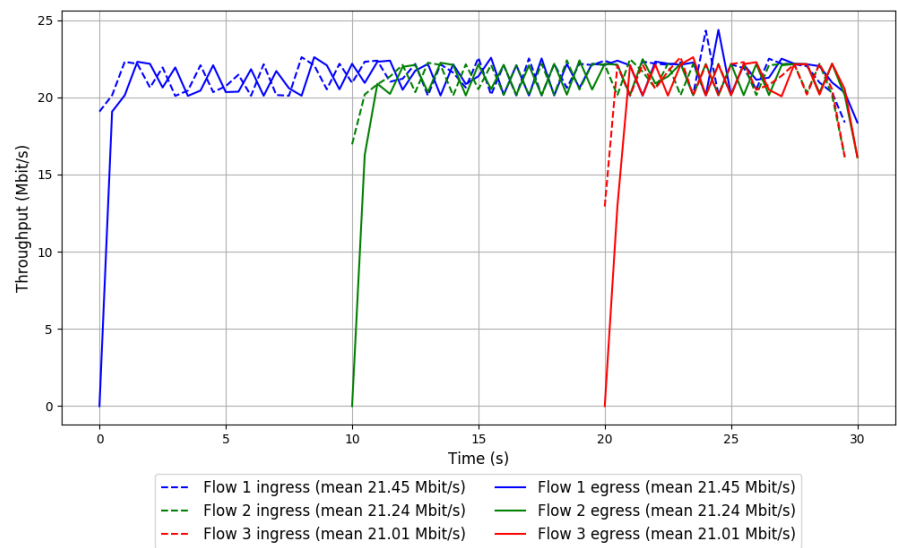


Run 9: Statistics of Sprout

Start at: 2018-07-04 14:47:47
End at: 2018-07-04 14:48:17
Local clock offset: -0.025 ms
Remote clock offset: 3.399 ms

```
# Below is generated by plot.py at 2018-07-04 17:21:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.45 Mbit/s
95th percentile per-packet one-way delay: 0.989 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.45 Mbit/s
95th percentile per-packet one-way delay: 0.991 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.24 Mbit/s
95th percentile per-packet one-way delay: 0.991 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.01 Mbit/s
95th percentile per-packet one-way delay: 0.979 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-04 15:14:49

End at: 2018-07-04 15:15:19

Local clock offset: -0.11 ms

Remote clock offset: 0.926 ms

Below is generated by plot.py at 2018-07-04 17:21:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.92 Mbit/s

95th percentile per-packet one-way delay: 0.963 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 21.05 Mbit/s

95th percentile per-packet one-way delay: 0.971 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.01 Mbit/s

95th percentile per-packet one-way delay: 0.949 ms

Loss rate: 0.00%

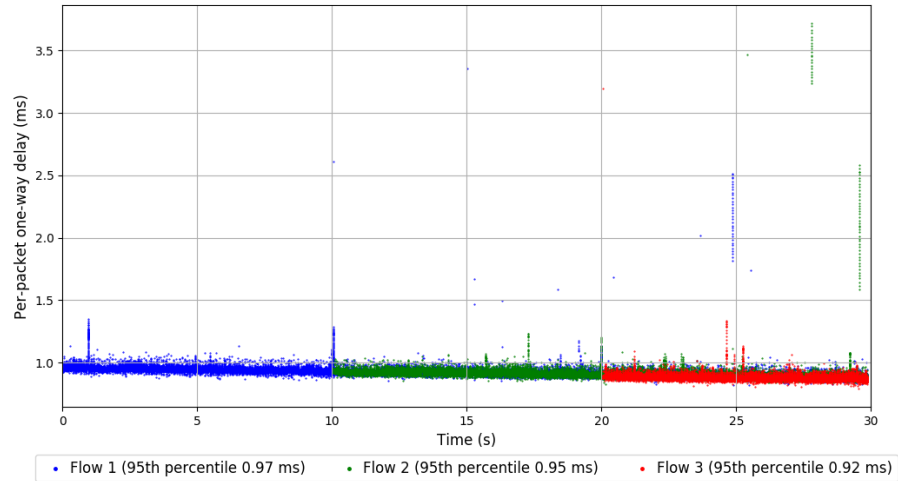
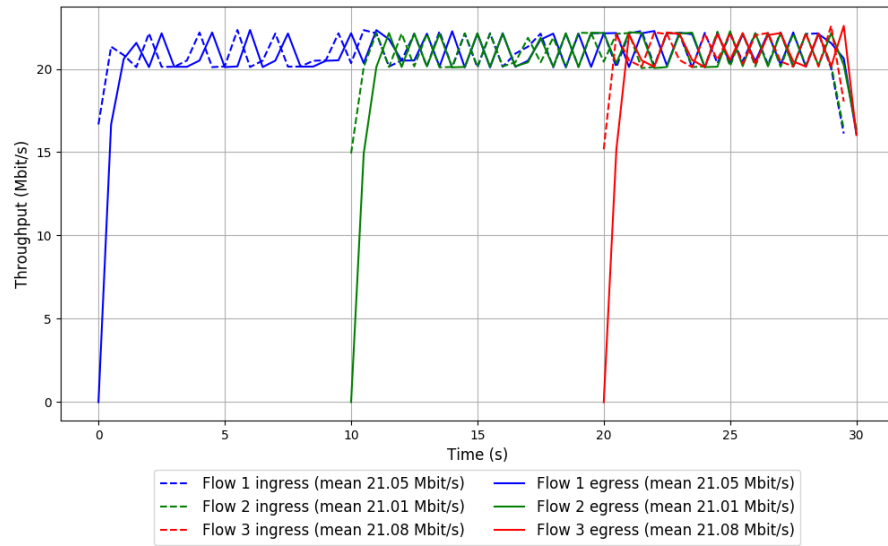
-- Flow 3:

Average throughput: 21.08 Mbit/s

95th percentile per-packet one-way delay: 0.918 ms

Loss rate: 0.48%

Run 10: Report of Sprout — Data Link

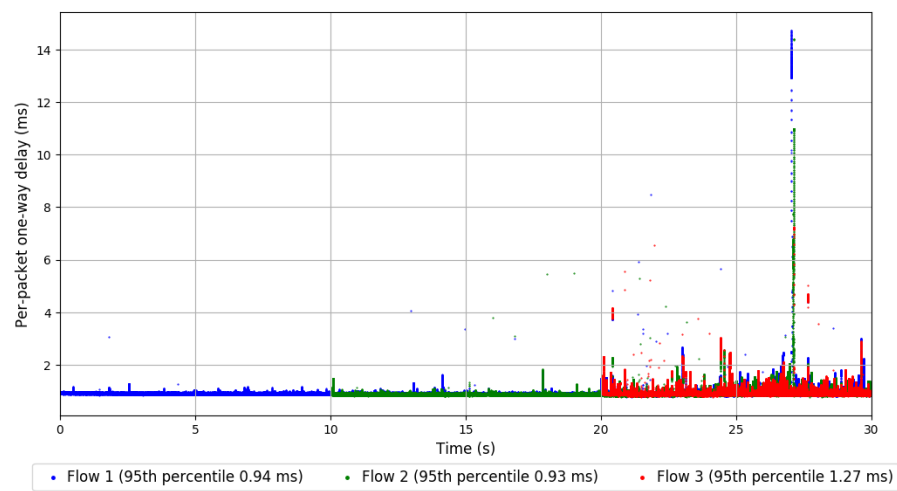
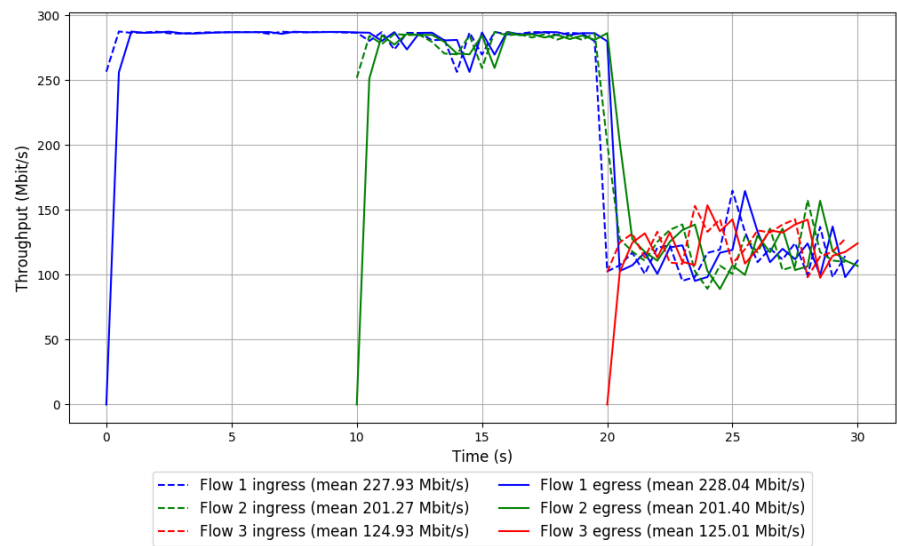


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-04 10:52:22
End at: 2018-07-04 10:52:52
Local clock offset: 3.642 ms
Remote clock offset: -0.203 ms

# Below is generated by plot.py at 2018-07-04 17:28:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 403.57 Mbit/s
95th percentile per-packet one-way delay: 0.960 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 228.04 Mbit/s
95th percentile per-packet one-way delay: 0.938 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 201.40 Mbit/s
95th percentile per-packet one-way delay: 0.933 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 125.01 Mbit/s
95th percentile per-packet one-way delay: 1.267 ms
Loss rate: 0.15%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-04 11:19:17

End at: 2018-07-04 11:19:47

Local clock offset: 0.369 ms

Remote clock offset: 3.368 ms

Below is generated by plot.py at 2018-07-04 17:28:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 397.99 Mbit/s

95th percentile per-packet one-way delay: 1.335 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 224.14 Mbit/s

95th percentile per-packet one-way delay: 1.264 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 193.78 Mbit/s

95th percentile per-packet one-way delay: 1.368 ms

Loss rate: 0.04%

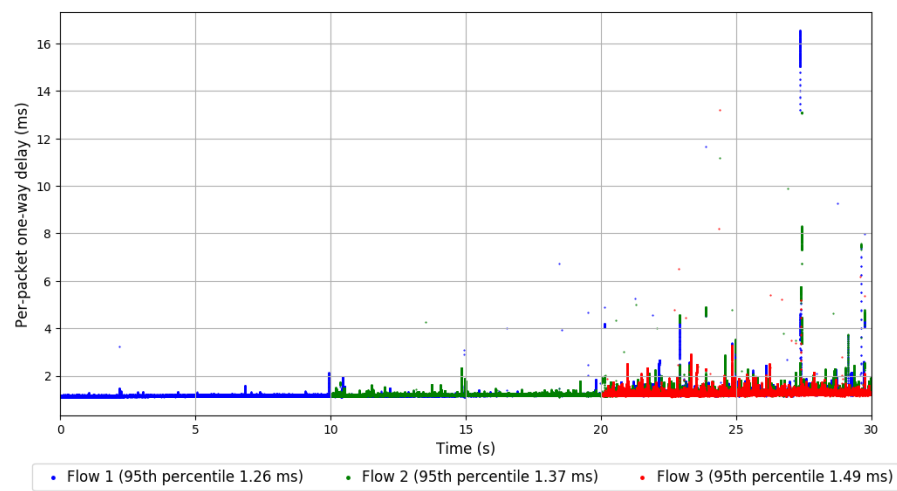
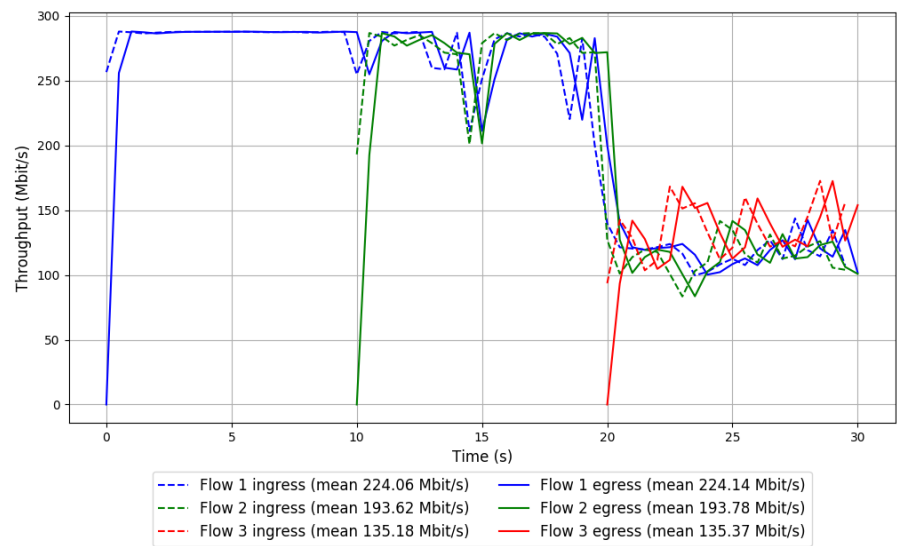
-- Flow 3:

Average throughput: 135.37 Mbit/s

95th percentile per-packet one-way delay: 1.492 ms

Loss rate: 0.08%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-04 11:46:12

End at: 2018-07-04 11:46:42

Local clock offset: -0.334 ms

Remote clock offset: 2.221 ms

Below is generated by plot.py at 2018-07-04 17:28:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 404.12 Mbit/s

95th percentile per-packet one-way delay: 1.088 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 225.19 Mbit/s

95th percentile per-packet one-way delay: 1.056 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 206.78 Mbit/s

95th percentile per-packet one-way delay: 1.090 ms

Loss rate: 0.05%

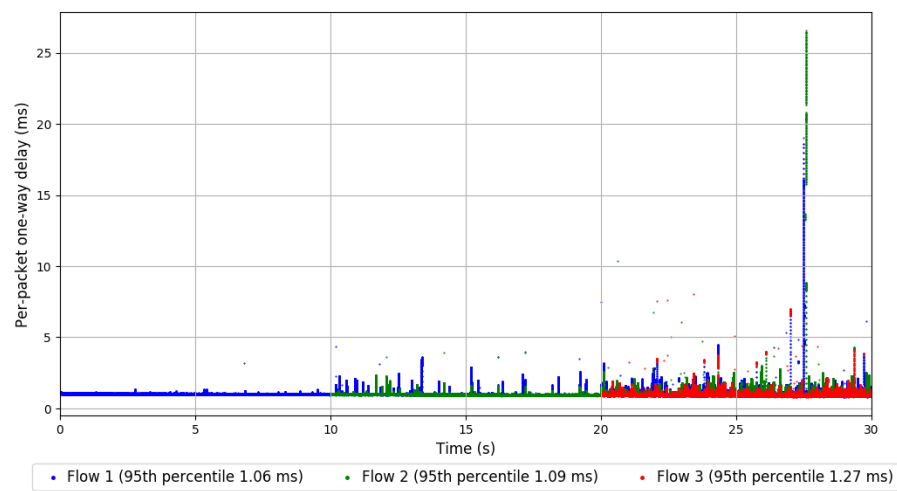
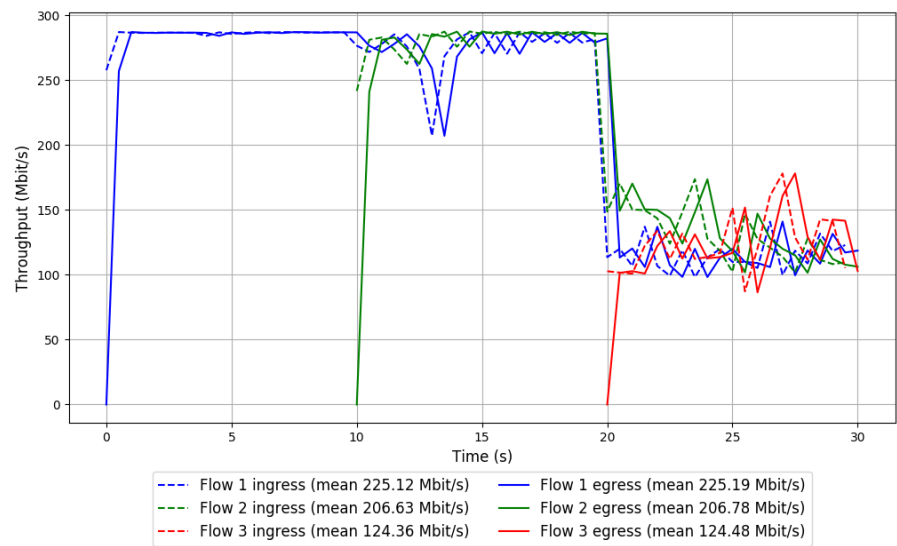
-- Flow 3:

Average throughput: 124.48 Mbit/s

95th percentile per-packet one-way delay: 1.270 ms

Loss rate: 0.10%

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

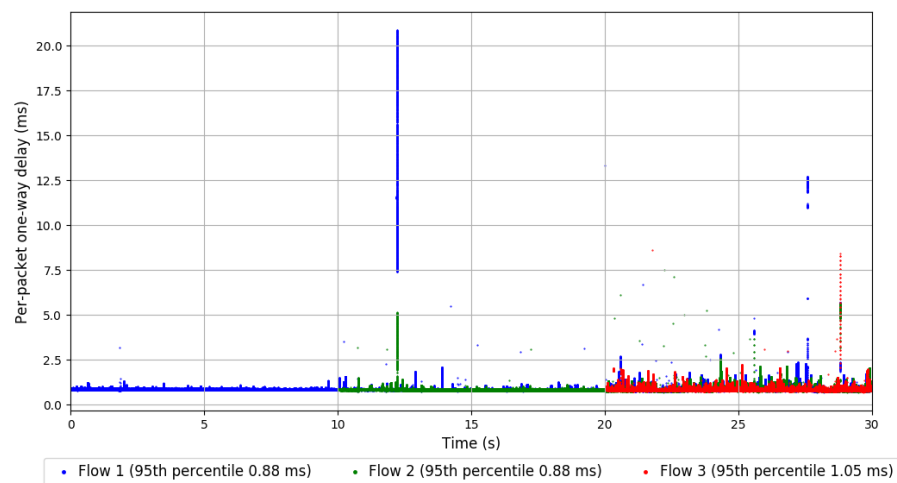
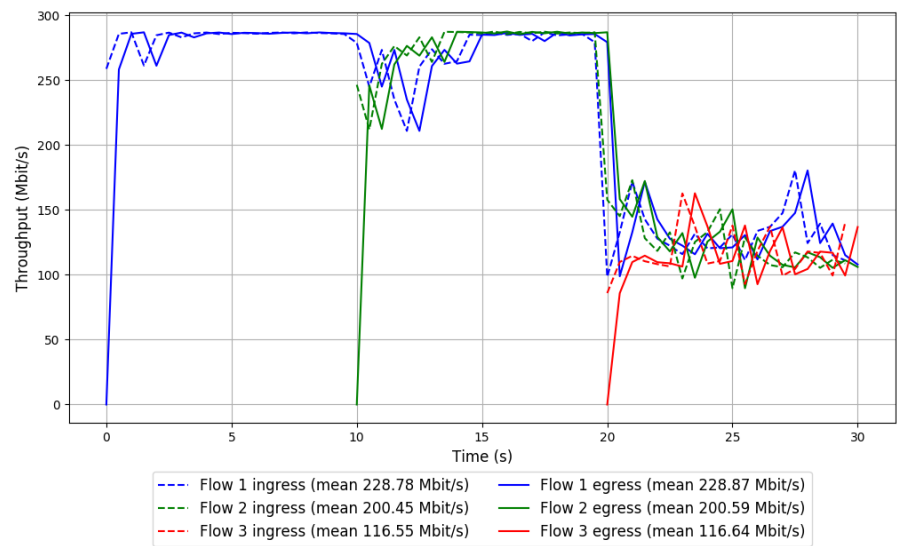


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-04 12:13:03
End at: 2018-07-04 12:13:33
Local clock offset: 2.448 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-04 17:28:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 401.06 Mbit/s
95th percentile per-packet one-way delay: 0.892 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 228.87 Mbit/s
95th percentile per-packet one-way delay: 0.883 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 200.59 Mbit/s
95th percentile per-packet one-way delay: 0.882 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 116.64 Mbit/s
95th percentile per-packet one-way delay: 1.048 ms
Loss rate: 0.14%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-04 12:40:06

End at: 2018-07-04 12:40:36

Local clock offset: 4.689 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-07-04 17:28:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 400.51 Mbit/s

95th percentile per-packet one-way delay: 1.129 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 227.54 Mbit/s

95th percentile per-packet one-way delay: 1.063 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 200.37 Mbit/s

95th percentile per-packet one-way delay: 1.140 ms

Loss rate: 0.07%

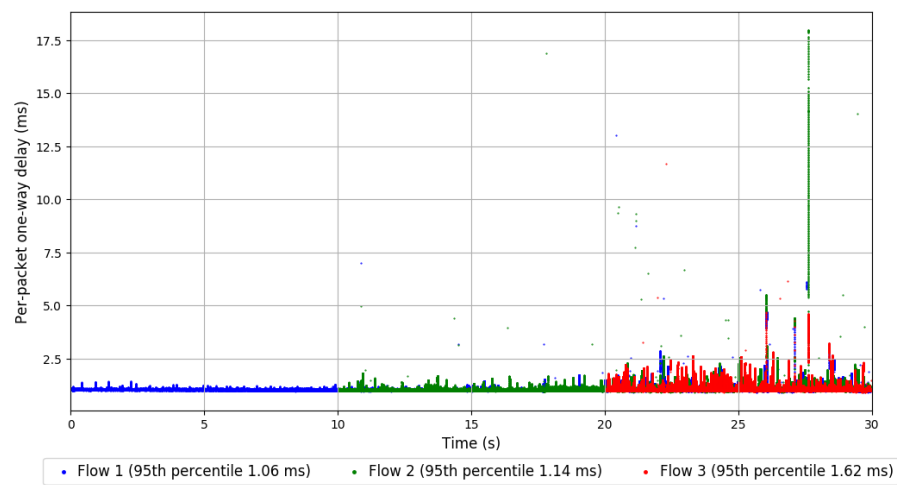
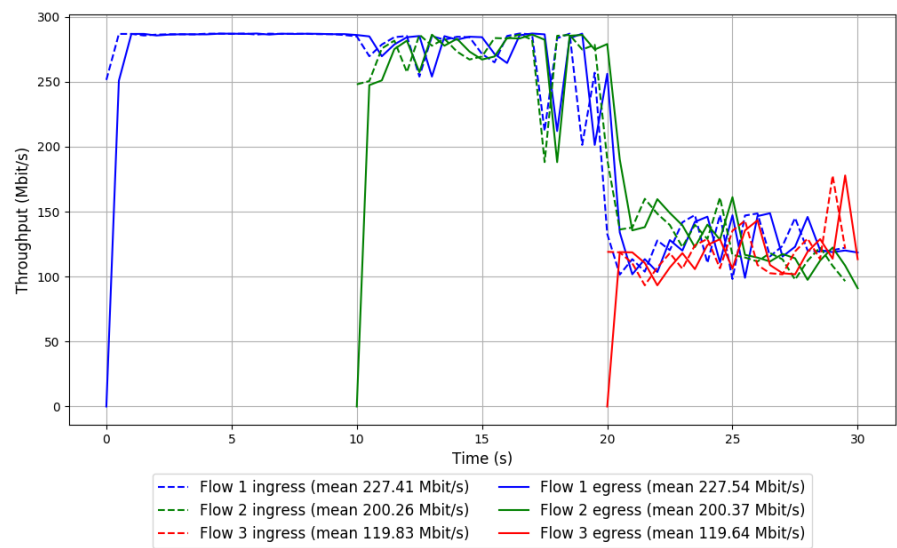
-- Flow 3:

Average throughput: 119.64 Mbit/s

95th percentile per-packet one-way delay: 1.620 ms

Loss rate: 0.35%

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

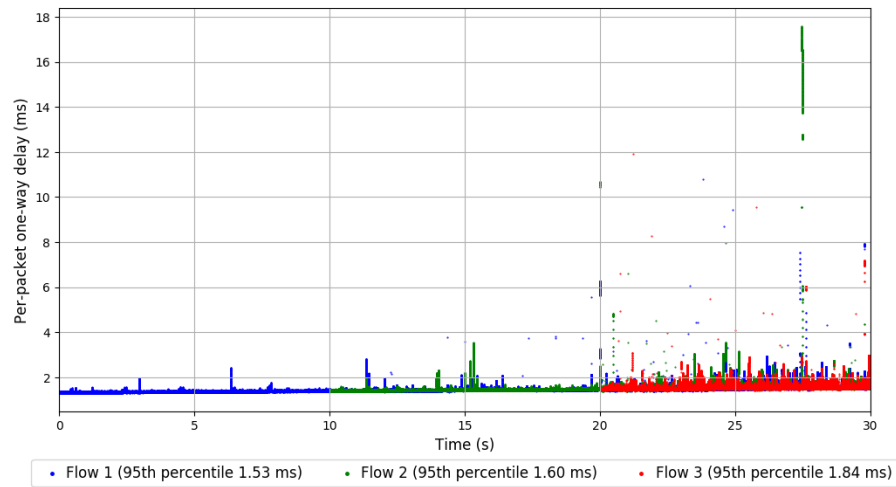
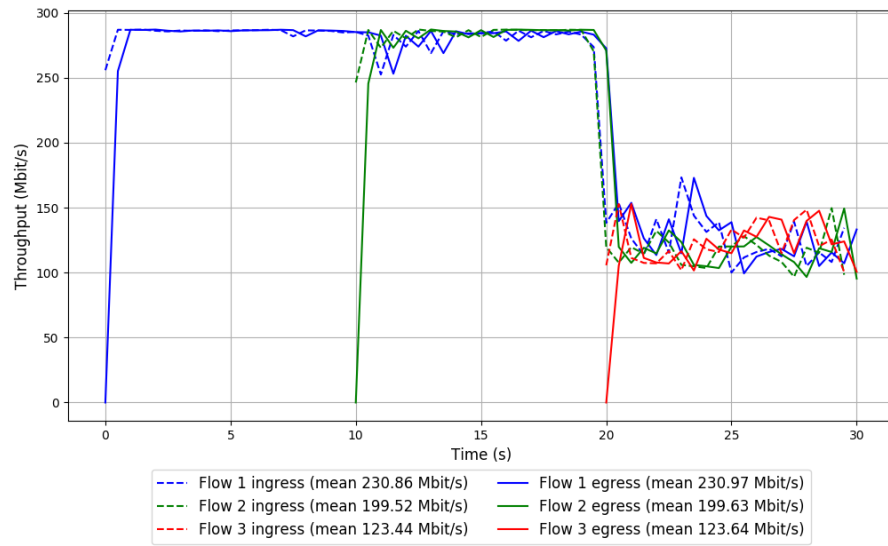


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-04 13:07:05
End at: 2018-07-04 13:07:35
Local clock offset: 3.611 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-07-04 17:28:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 404.81 Mbit/s
95th percentile per-packet one-way delay: 1.596 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 230.97 Mbit/s
95th percentile per-packet one-way delay: 1.534 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 199.63 Mbit/s
95th percentile per-packet one-way delay: 1.596 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 123.64 Mbit/s
95th percentile per-packet one-way delay: 1.845 ms
Loss rate: 0.05%

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

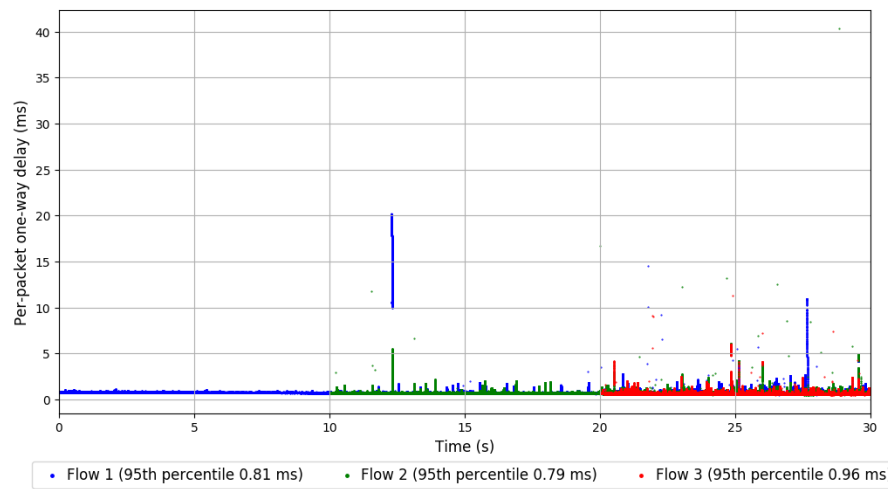
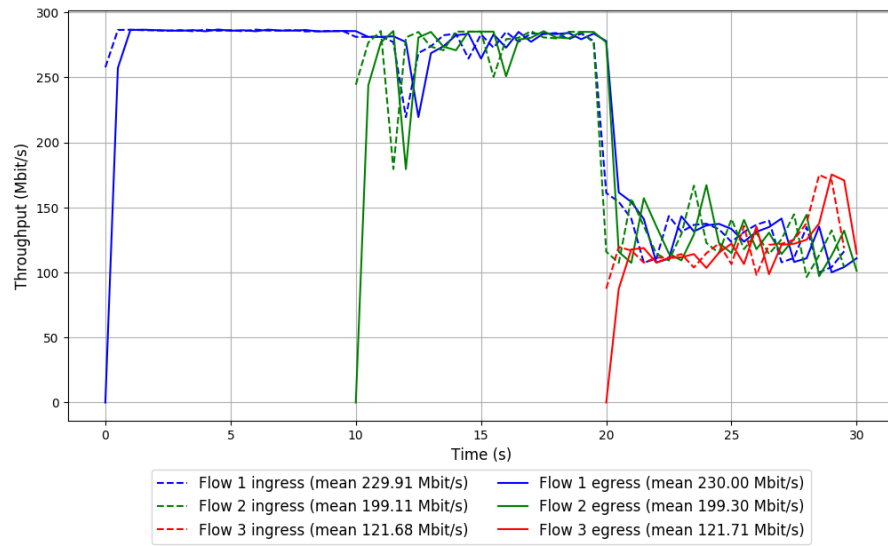


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-04 13:34:13
End at: 2018-07-04 13:34:43
Local clock offset: -0.635 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-07-04 17:28:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 402.96 Mbit/s
95th percentile per-packet one-way delay: 0.817 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 230.00 Mbit/s
95th percentile per-packet one-way delay: 0.814 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 199.30 Mbit/s
95th percentile per-packet one-way delay: 0.788 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 121.71 Mbit/s
95th percentile per-packet one-way delay: 0.965 ms
Loss rate: 0.17%

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

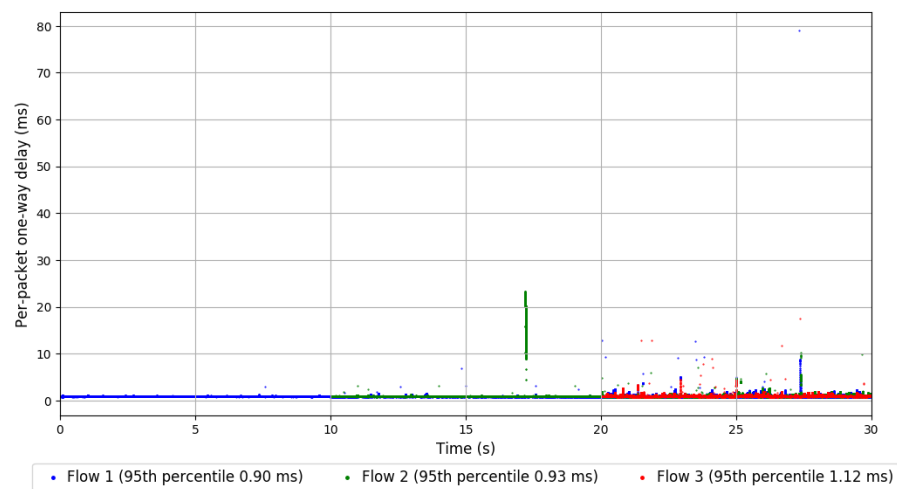
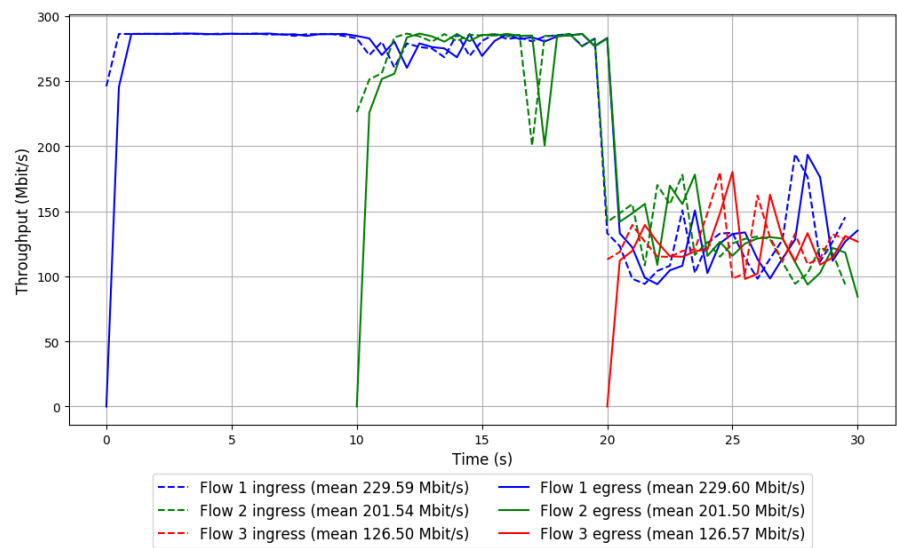


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-04 14:01:18
End at: 2018-07-04 14:01:48
Local clock offset: 3.189 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-04 17:30:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 405.64 Mbit/s
95th percentile per-packet one-way delay: 0.944 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 229.60 Mbit/s
95th percentile per-packet one-way delay: 0.903 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 201.50 Mbit/s
95th percentile per-packet one-way delay: 0.932 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 126.57 Mbit/s
95th percentile per-packet one-way delay: 1.118 ms
Loss rate: 0.15%

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

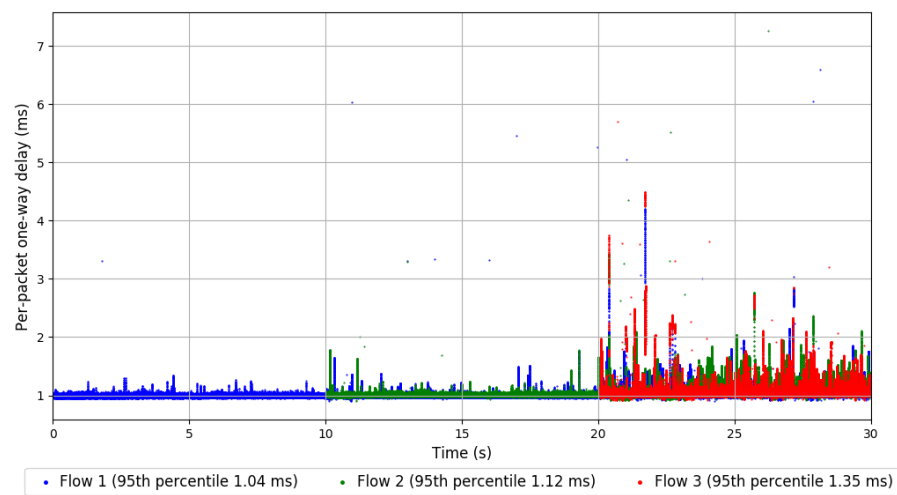
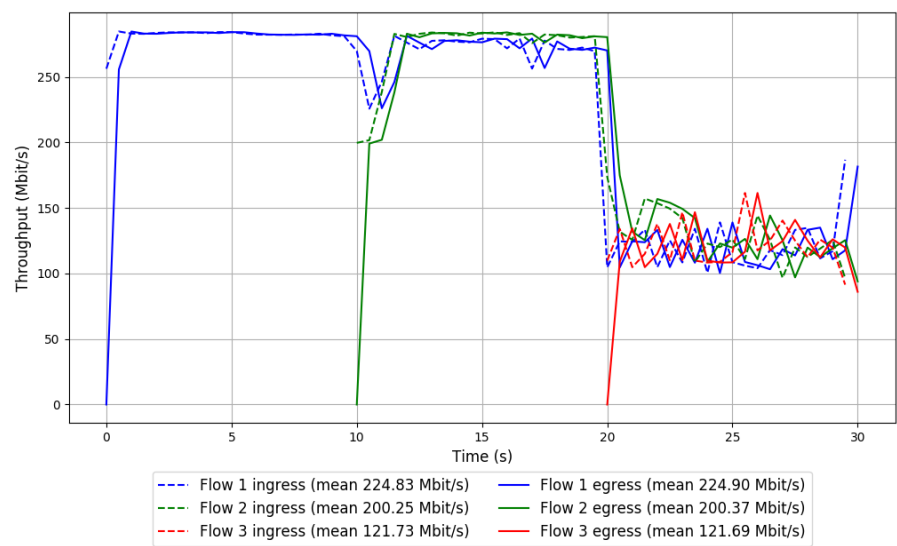


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-04 14:28:20
End at: 2018-07-04 14:28:51
Local clock offset: -0.403 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-07-04 17:36:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 398.68 Mbit/s
95th percentile per-packet one-way delay: 1.099 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 224.90 Mbit/s
95th percentile per-packet one-way delay: 1.036 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 200.37 Mbit/s
95th percentile per-packet one-way delay: 1.116 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 121.69 Mbit/s
95th percentile per-packet one-way delay: 1.349 ms
Loss rate: 0.22%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-04 14:55:15

End at: 2018-07-04 14:55:45

Local clock offset: 0.055 ms

Remote clock offset: 3.843 ms

Below is generated by plot.py at 2018-07-04 17:36:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 400.08 Mbit/s

95th percentile per-packet one-way delay: 1.203 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 225.03 Mbit/s

95th percentile per-packet one-way delay: 1.148 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 201.68 Mbit/s

95th percentile per-packet one-way delay: 1.225 ms

Loss rate: 0.10%

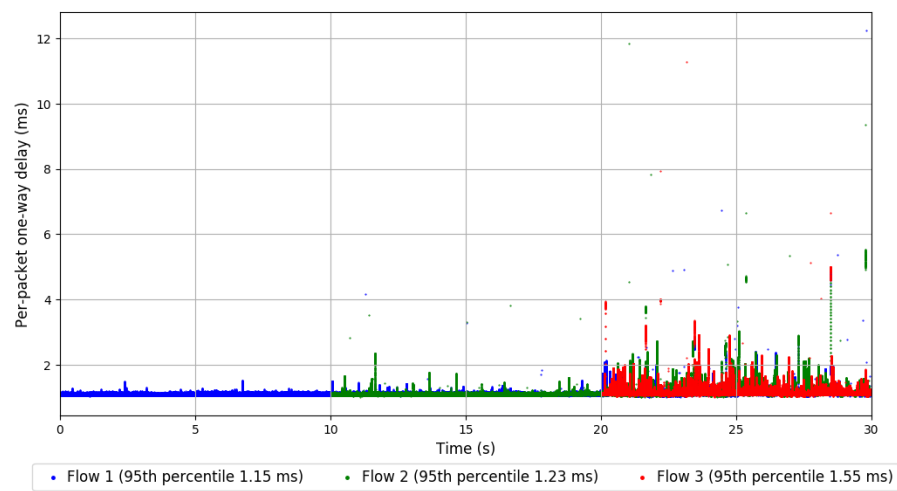
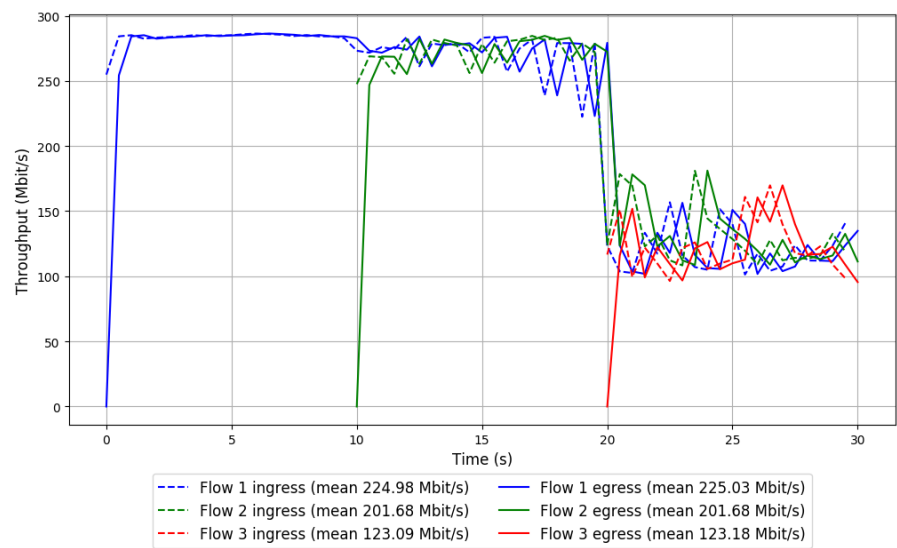
-- Flow 3:

Average throughput: 123.18 Mbit/s

95th percentile per-packet one-way delay: 1.547 ms

Loss rate: 0.14%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-04 11:14:43

End at: 2018-07-04 11:15:13

Local clock offset: 0.901 ms

Remote clock offset: 2.6 ms

Below is generated by plot.py at 2018-07-04 17:36:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 569.55 Mbit/s

95th percentile per-packet one-way delay: 1.824 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 168.53 Mbit/s

95th percentile per-packet one-way delay: 1.587 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 401.54 Mbit/s

95th percentile per-packet one-way delay: 1.840 ms

Loss rate: 0.05%

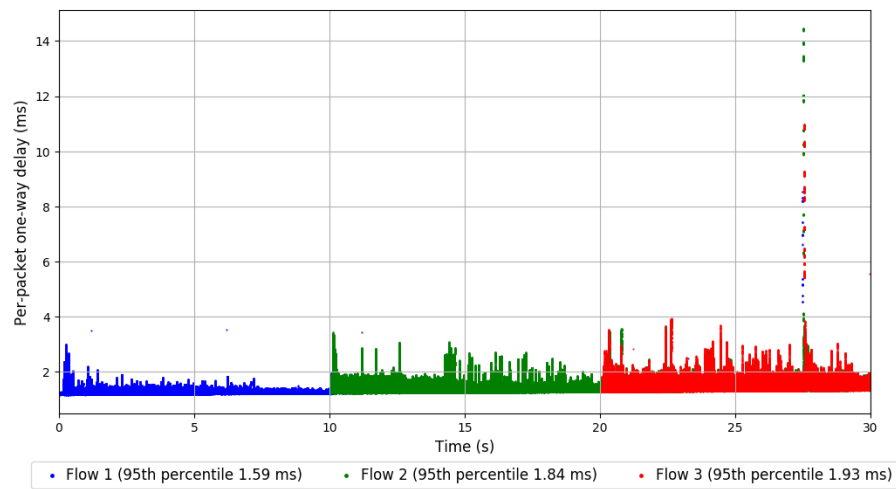
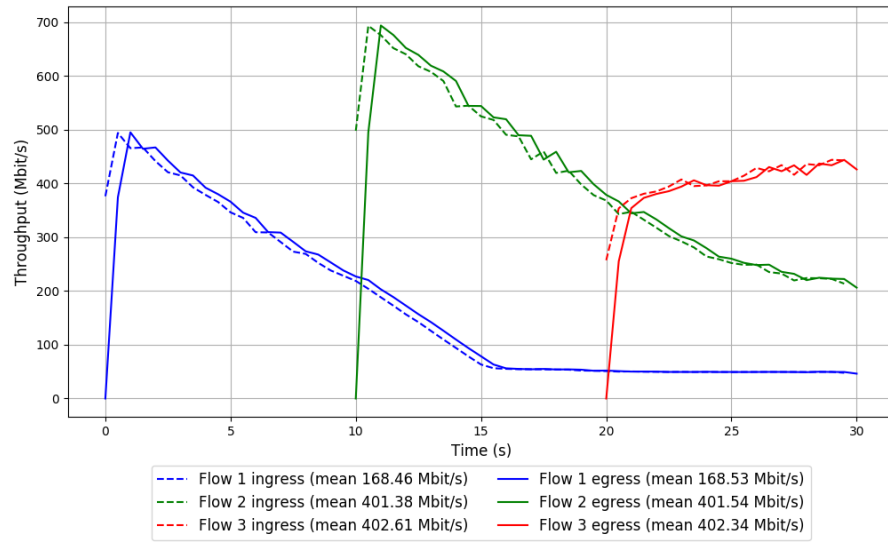
-- Flow 3:

Average throughput: 402.34 Mbit/s

95th percentile per-packet one-way delay: 1.925 ms

Loss rate: 0.23%

Run 1: Report of TCP Vegas — Data Link

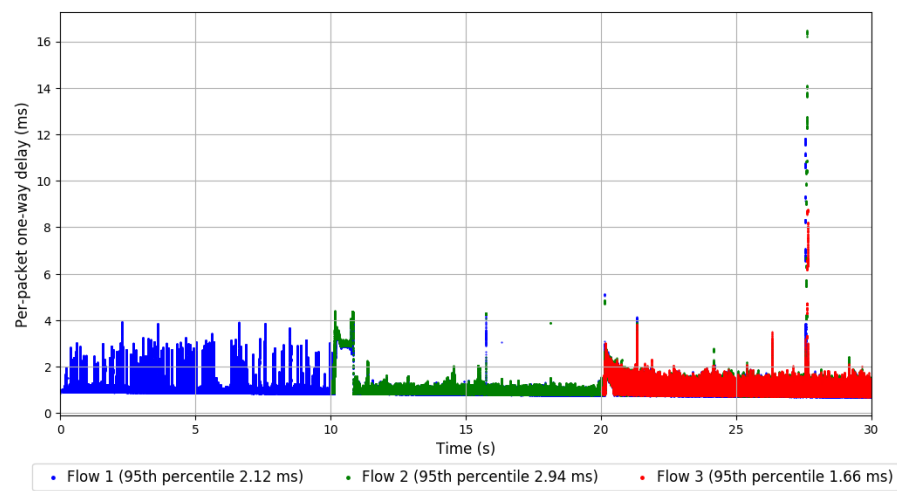
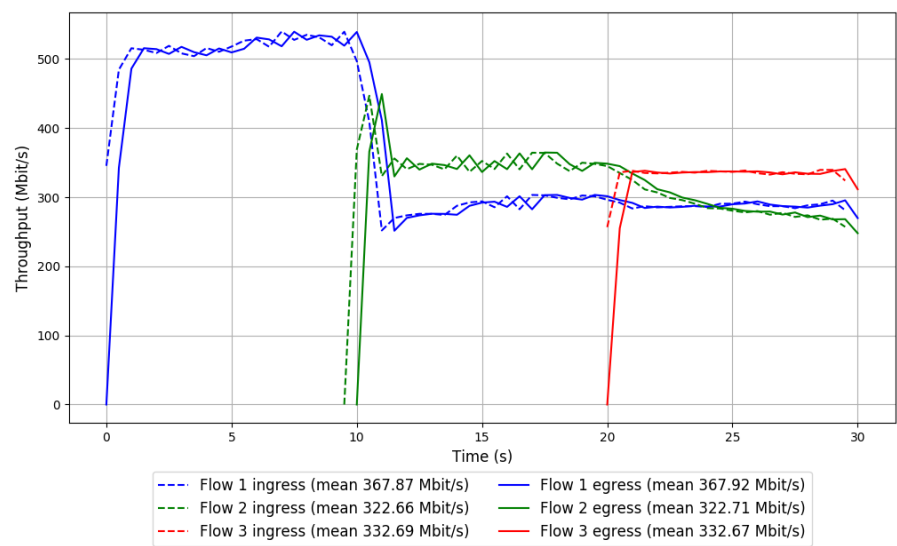


Run 2: Statistics of TCP Vegas

Start at: 2018-07-04 11:41:34
End at: 2018-07-04 11:42:04
Local clock offset: -0.336 ms
Remote clock offset: 3.999 ms

Below is generated by plot.py at 2018-07-04 17:36:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 693.41 Mbit/s
95th percentile per-packet one-way delay: 2.021 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 367.92 Mbit/s
95th percentile per-packet one-way delay: 2.119 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 322.71 Mbit/s
95th percentile per-packet one-way delay: 2.937 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 332.67 Mbit/s
95th percentile per-packet one-way delay: 1.664 ms
Loss rate: 0.20%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-04 12:08:28

End at: 2018-07-04 12:08:58

Local clock offset: 1.505 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-07-04 17:36:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 620.56 Mbit/s

95th percentile per-packet one-way delay: 1.460 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 209.63 Mbit/s

95th percentile per-packet one-way delay: 1.310 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 434.72 Mbit/s

95th percentile per-packet one-way delay: 1.494 ms

Loss rate: 0.05%

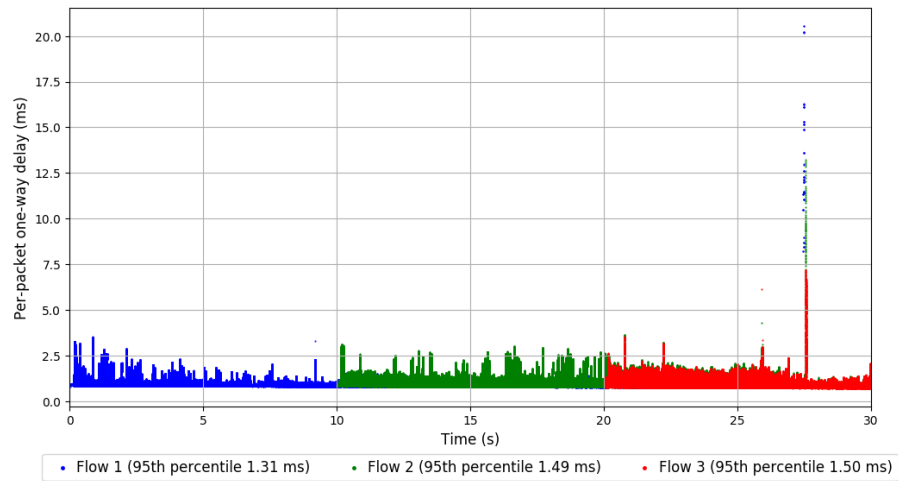
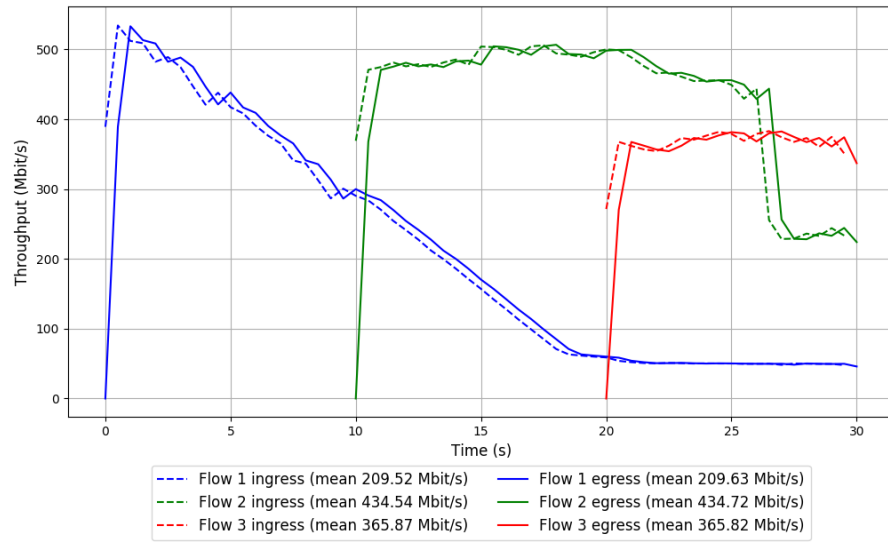
-- Flow 3:

Average throughput: 365.82 Mbit/s

95th percentile per-packet one-way delay: 1.501 ms

Loss rate: 0.20%

Run 3: Report of TCP Vegas — Data Link

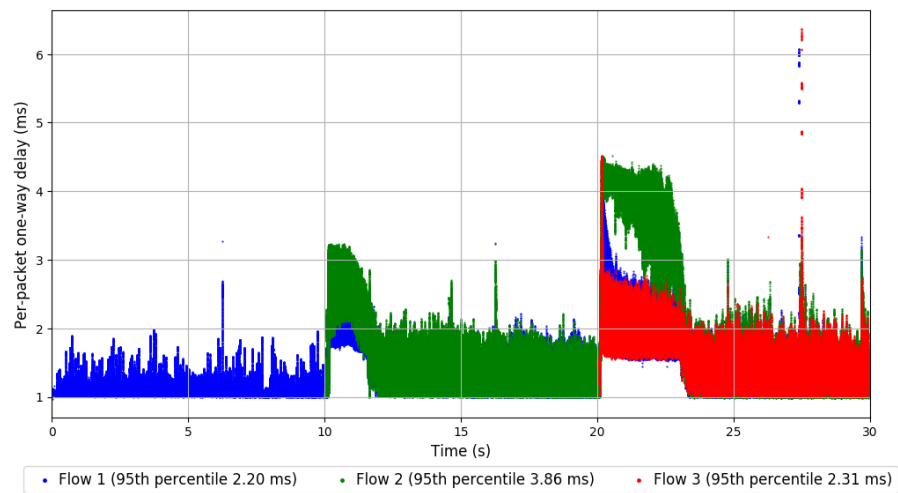
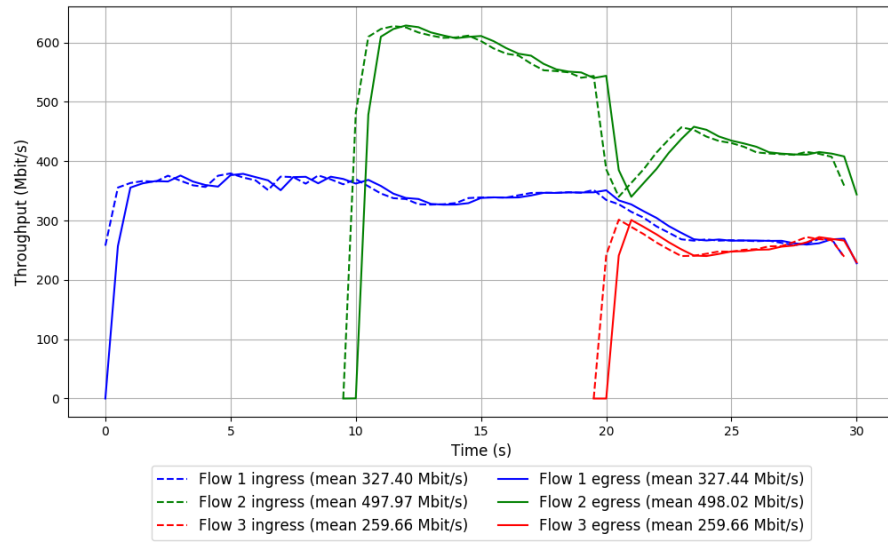


Run 4: Statistics of TCP Vegas

Start at: 2018-07-04 12:35:25
End at: 2018-07-04 12:35:55
Local clock offset: 4.482 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-04 17:36:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 745.66 Mbit/s
95th percentile per-packet one-way delay: 2.983 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 327.44 Mbit/s
95th percentile per-packet one-way delay: 2.203 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 498.02 Mbit/s
95th percentile per-packet one-way delay: 3.863 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 259.66 Mbit/s
95th percentile per-packet one-way delay: 2.312 ms
Loss rate: 0.20%

Run 4: Report of TCP Vegas — Data Link

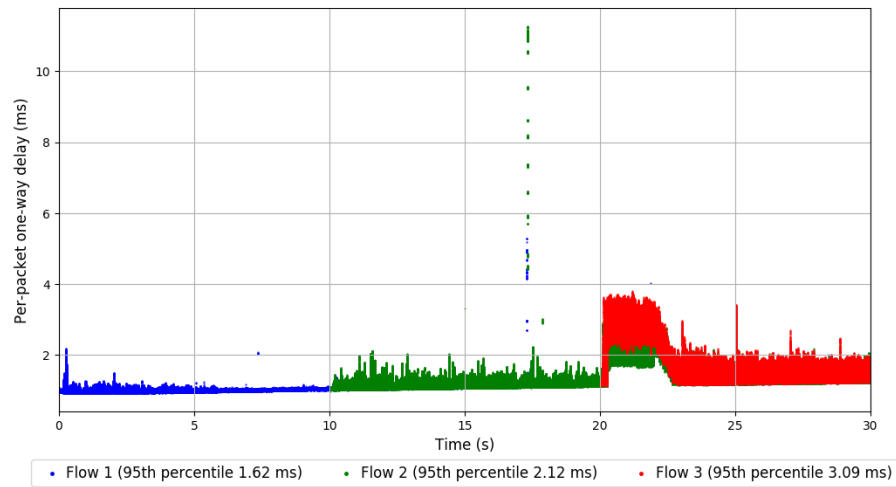
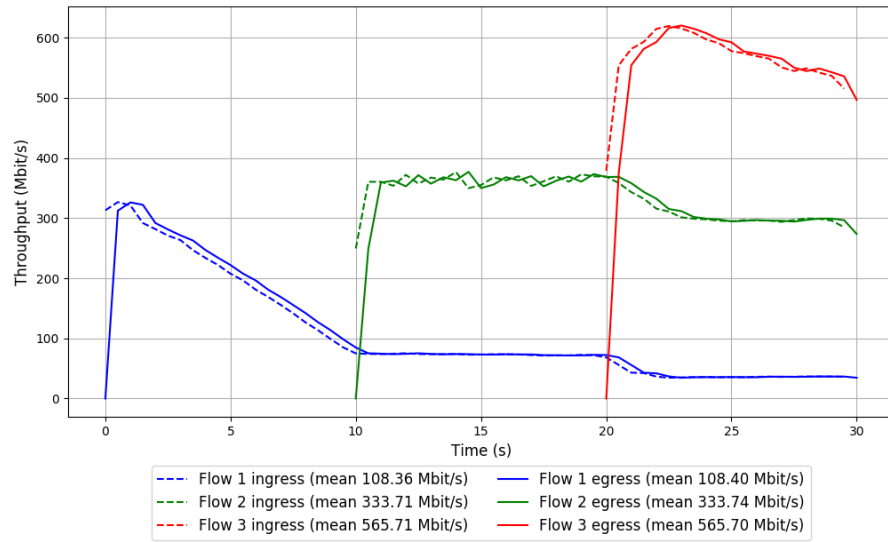


Run 5: Statistics of TCP Vegas

Start at: 2018-07-04 13:02:32
End at: 2018-07-04 13:03:02
Local clock offset: 5.571 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-04 17:36:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 518.46 Mbit/s
95th percentile per-packet one-way delay: 2.752 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 108.40 Mbit/s
95th percentile per-packet one-way delay: 1.623 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 333.74 Mbit/s
95th percentile per-packet one-way delay: 2.119 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 565.70 Mbit/s
95th percentile per-packet one-way delay: 3.090 ms
Loss rate: 0.19%

Run 5: Report of TCP Vegas — Data Link

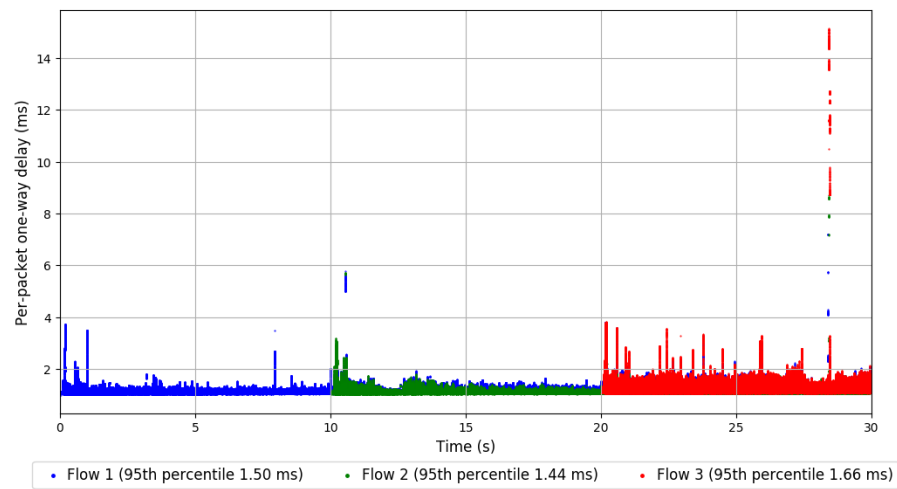
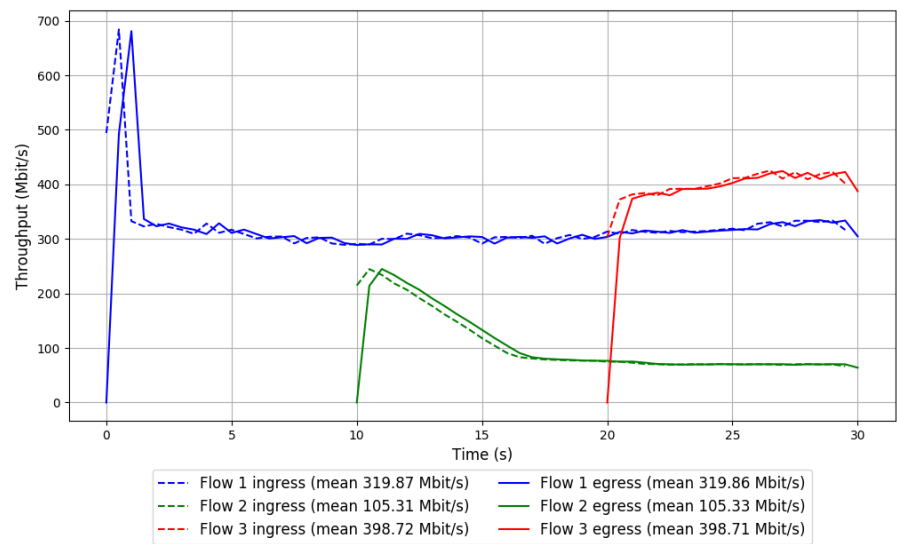


Run 6: Statistics of TCP Vegas

Start at: 2018-07-04 13:29:40
End at: 2018-07-04 13:30:10
Local clock offset: -0.867 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-04 17:36:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 522.41 Mbit/s
95th percentile per-packet one-way delay: 1.557 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 319.86 Mbit/s
95th percentile per-packet one-way delay: 1.501 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 105.33 Mbit/s
95th percentile per-packet one-way delay: 1.442 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 398.71 Mbit/s
95th percentile per-packet one-way delay: 1.659 ms
Loss rate: 0.19%

Run 6: Report of TCP Vegas — Data Link

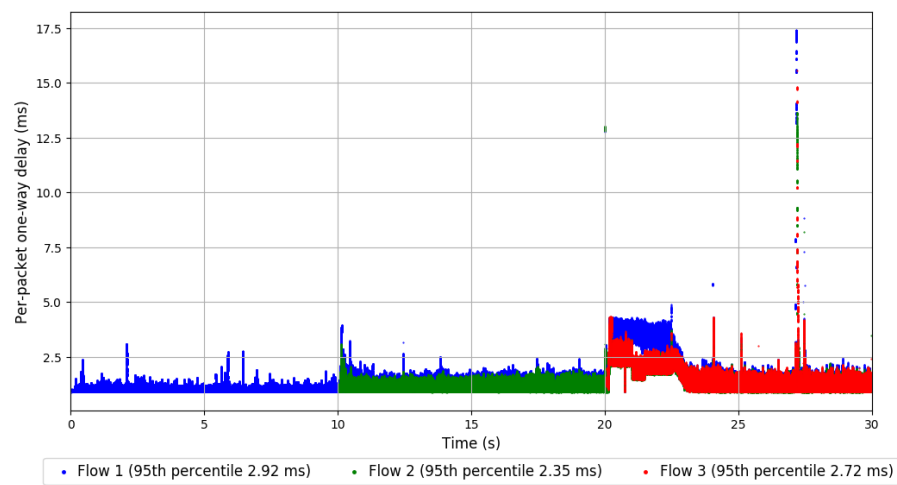
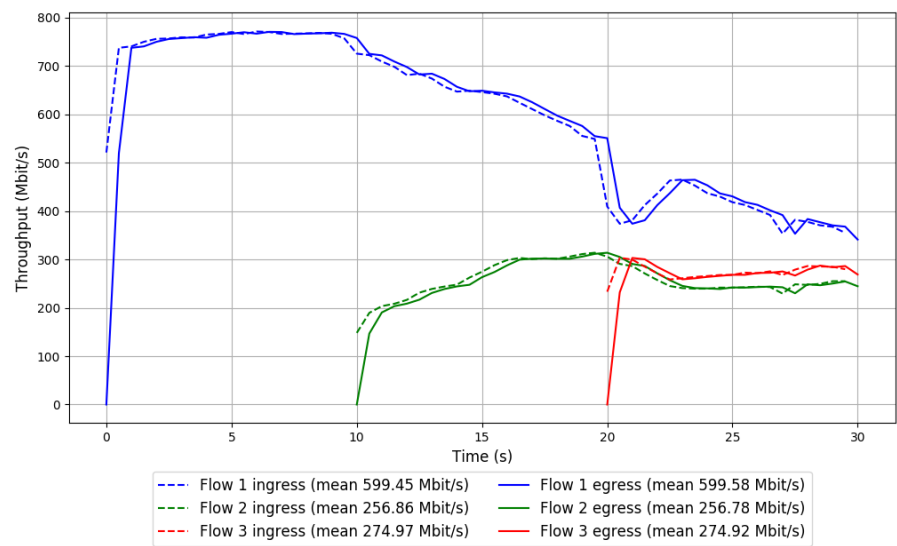


Run 7: Statistics of TCP Vegas

Start at: 2018-07-04 13:56:34
End at: 2018-07-04 13:57:04
Local clock offset: 3.104 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-07-04 17:44:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 861.77 Mbit/s
95th percentile per-packet one-way delay: 2.619 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 599.58 Mbit/s
95th percentile per-packet one-way delay: 2.921 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 256.78 Mbit/s
95th percentile per-packet one-way delay: 2.351 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 274.92 Mbit/s
95th percentile per-packet one-way delay: 2.721 ms
Loss rate: 0.21%

Run 7: Report of TCP Vegas — Data Link

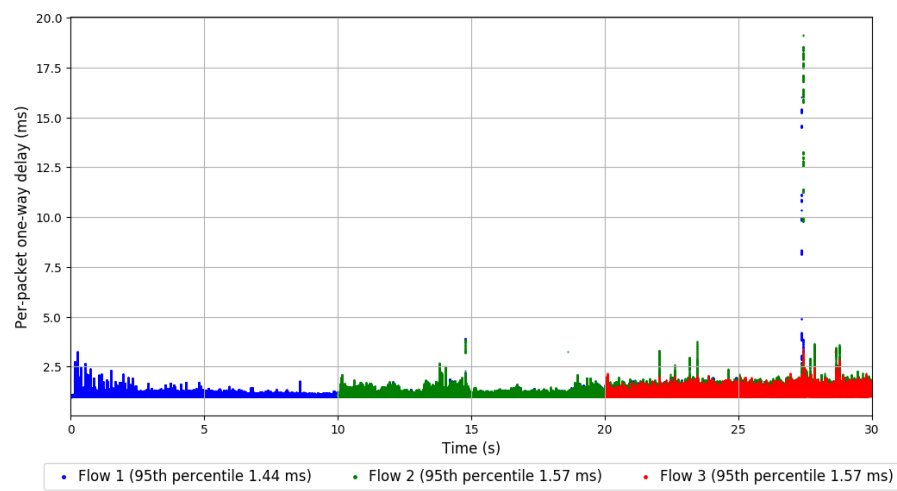
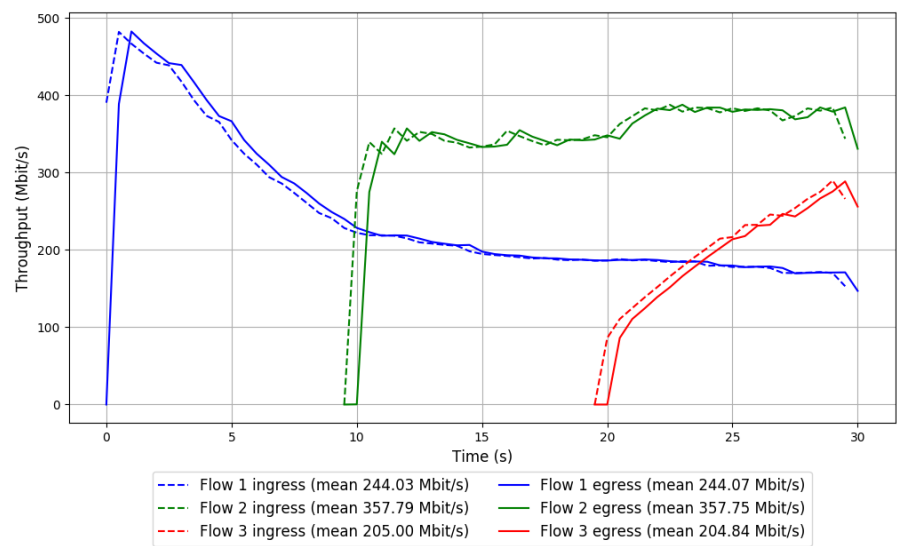


Run 8: Statistics of TCP Vegas

Start at: 2018-07-04 14:23:46
End at: 2018-07-04 14:24:16
Local clock offset: -0.129 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-04 17:44:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 550.67 Mbit/s
95th percentile per-packet one-way delay: 1.528 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 244.07 Mbit/s
95th percentile per-packet one-way delay: 1.441 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 357.75 Mbit/s
95th percentile per-packet one-way delay: 1.567 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 204.84 Mbit/s
95th percentile per-packet one-way delay: 1.568 ms
Loss rate: 0.27%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-04 14:50:40

End at: 2018-07-04 14:51:10

Local clock offset: 0.08 ms

Remote clock offset: 3.627 ms

Below is generated by plot.py at 2018-07-04 17:44:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 598.42 Mbit/s

95th percentile per-packet one-way delay: 1.584 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 406.70 Mbit/s

95th percentile per-packet one-way delay: 1.571 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 107.60 Mbit/s

95th percentile per-packet one-way delay: 1.478 ms

Loss rate: 0.06%

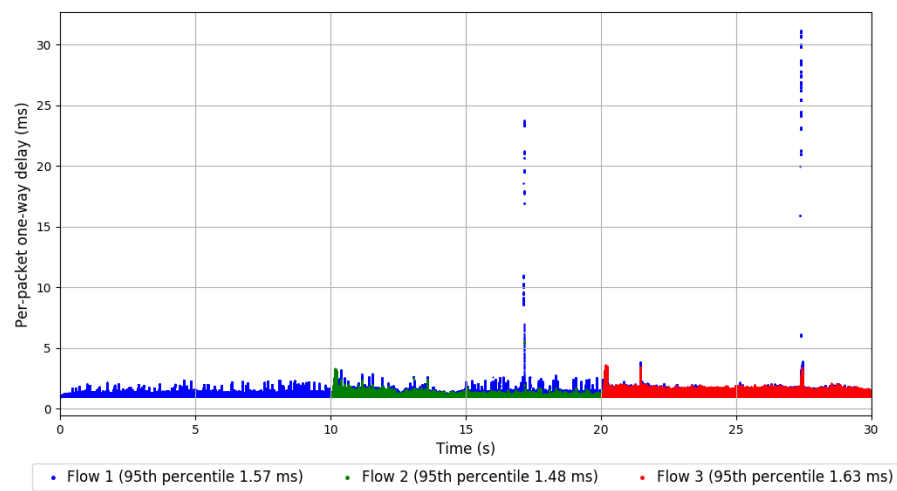
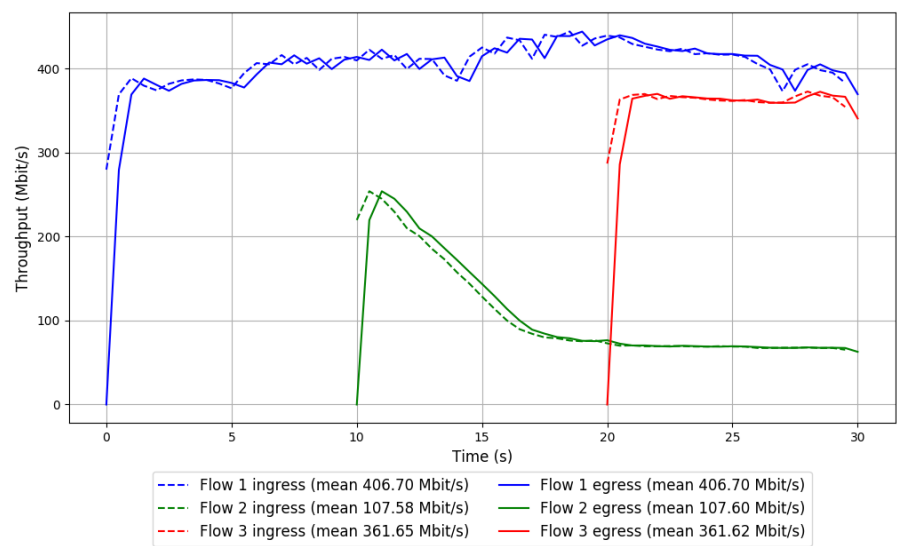
-- Flow 3:

Average throughput: 361.62 Mbit/s

95th percentile per-packet one-way delay: 1.632 ms

Loss rate: 0.20%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-04 15:17:43

End at: 2018-07-04 15:18:13

Local clock offset: -0.054 ms

Remote clock offset: 0.6 ms

Below is generated by plot.py at 2018-07-04 17:44:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 582.24 Mbit/s

95th percentile per-packet one-way delay: 1.416 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 319.35 Mbit/s

95th percentile per-packet one-way delay: 1.389 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 277.50 Mbit/s

95th percentile per-packet one-way delay: 1.426 ms

Loss rate: 0.09%

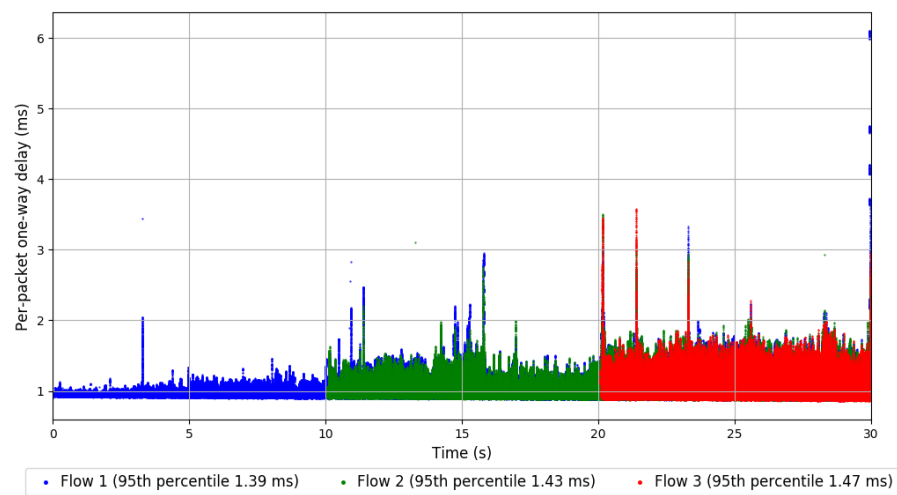
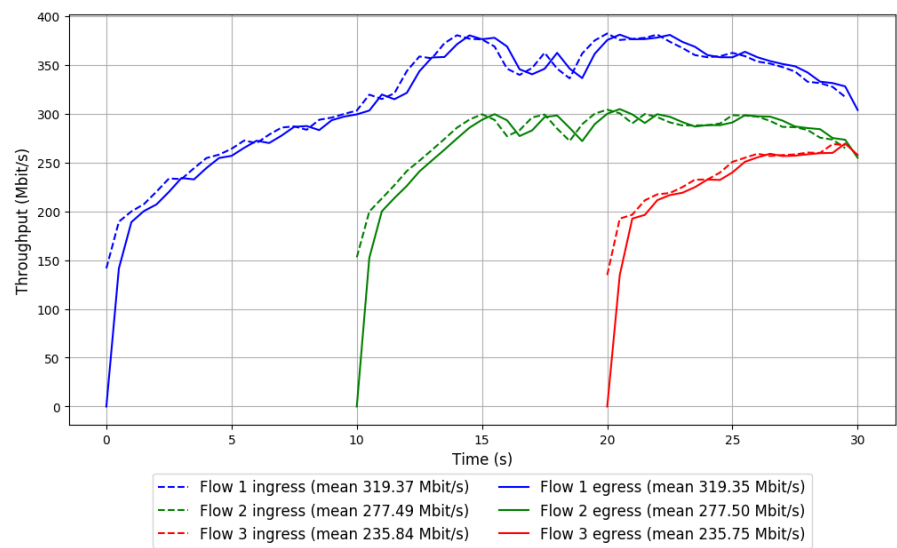
-- Flow 3:

Average throughput: 235.75 Mbit/s

95th percentile per-packet one-way delay: 1.469 ms

Loss rate: 0.24%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-04 11:10:16

End at: 2018-07-04 11:10:46

Local clock offset: 1.823 ms

Remote clock offset: 1.693 ms

Below is generated by plot.py at 2018-07-04 17:44:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 299.65 Mbit/s

95th percentile per-packet one-way delay: 7.459 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 178.12 Mbit/s

95th percentile per-packet one-way delay: 8.786 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 121.97 Mbit/s

95th percentile per-packet one-way delay: 3.141 ms

Loss rate: 0.00%

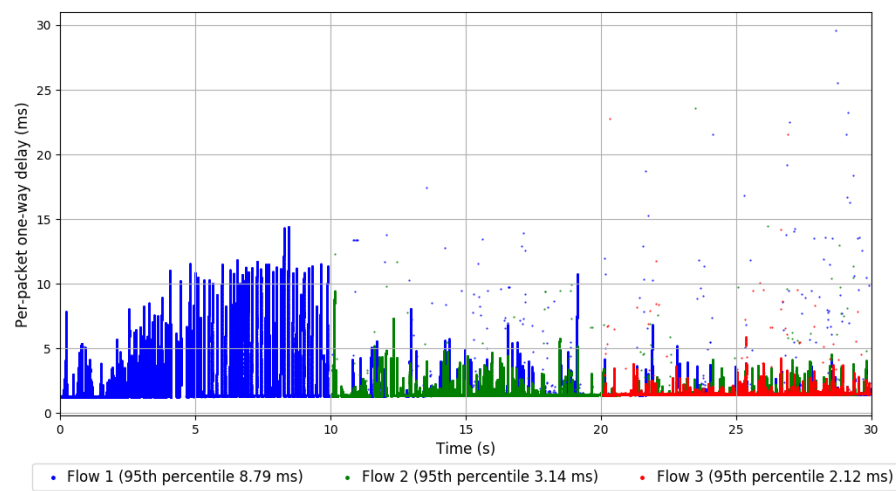
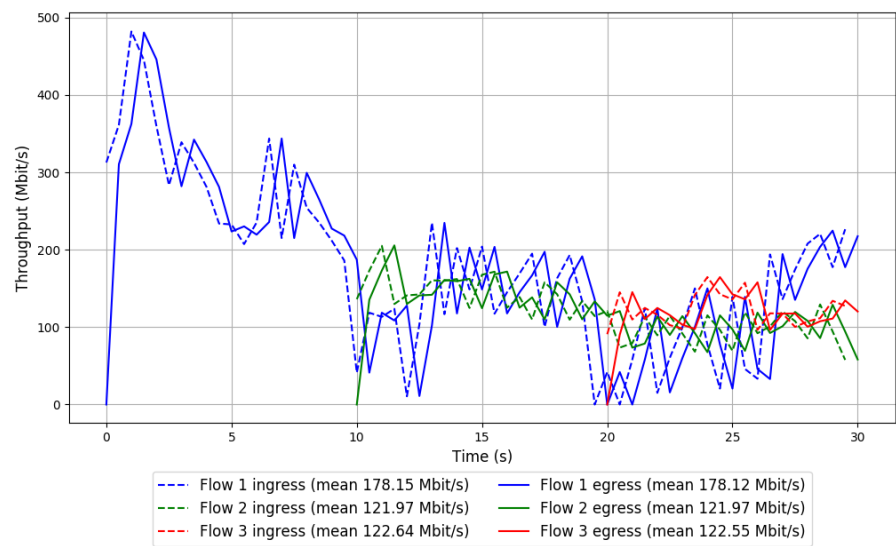
-- Flow 3:

Average throughput: 122.55 Mbit/s

95th percentile per-packet one-way delay: 2.119 ms

Loss rate: 0.29%

Run 1: Report of Verus — Data Link

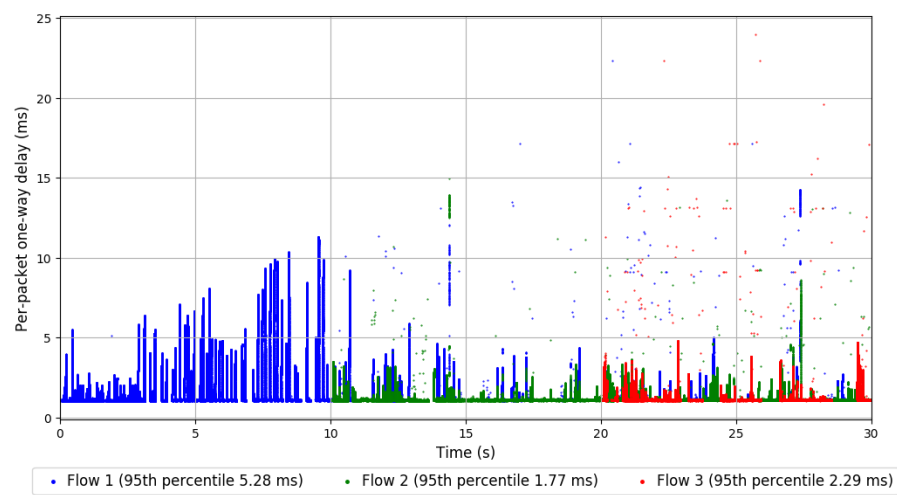
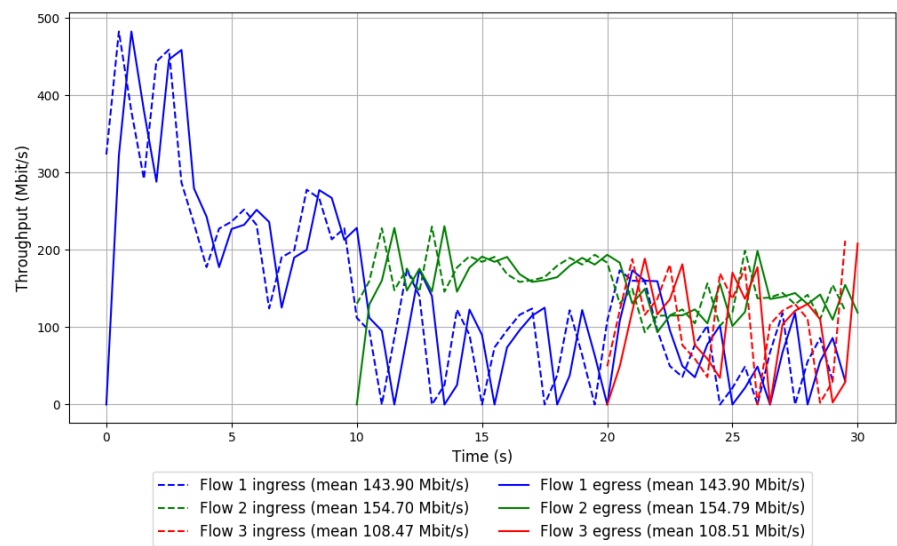


Run 2: Statistics of Verus

Start at: 2018-07-04 11:37:11
End at: 2018-07-04 11:37:41
Local clock offset: -0.411 ms
Remote clock offset: 5.208 ms

Below is generated by plot.py at 2018-07-04 17:44:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 279.34 Mbit/s
95th percentile per-packet one-way delay: 3.787 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 143.90 Mbit/s
95th percentile per-packet one-way delay: 5.283 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 154.79 Mbit/s
95th percentile per-packet one-way delay: 1.769 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 108.51 Mbit/s
95th percentile per-packet one-way delay: 2.287 ms
Loss rate: 0.21%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-04 12:04:06

End at: 2018-07-04 12:04:36

Local clock offset: -0.097 ms

Remote clock offset: 0.158 ms

Below is generated by plot.py at 2018-07-04 17:44:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 291.86 Mbit/s

95th percentile per-packet one-way delay: 2.685 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 161.54 Mbit/s

95th percentile per-packet one-way delay: 3.199 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 144.41 Mbit/s

95th percentile per-packet one-way delay: 1.308 ms

Loss rate: 0.05%

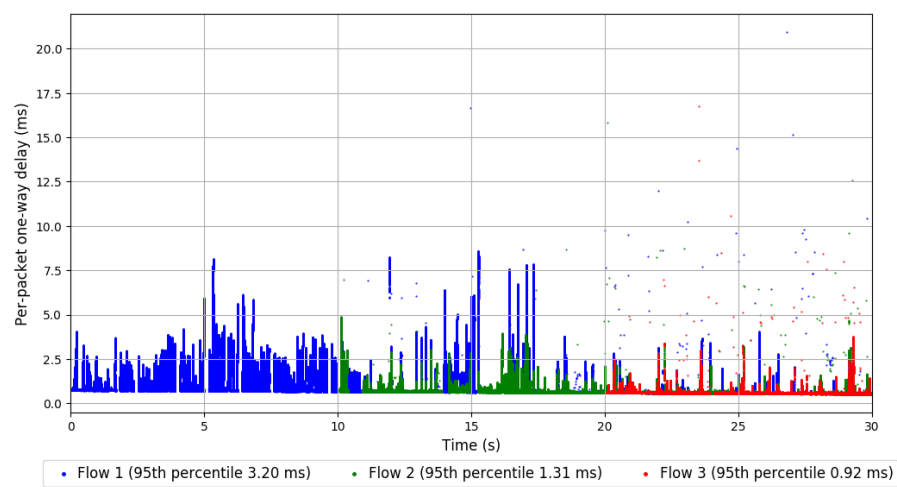
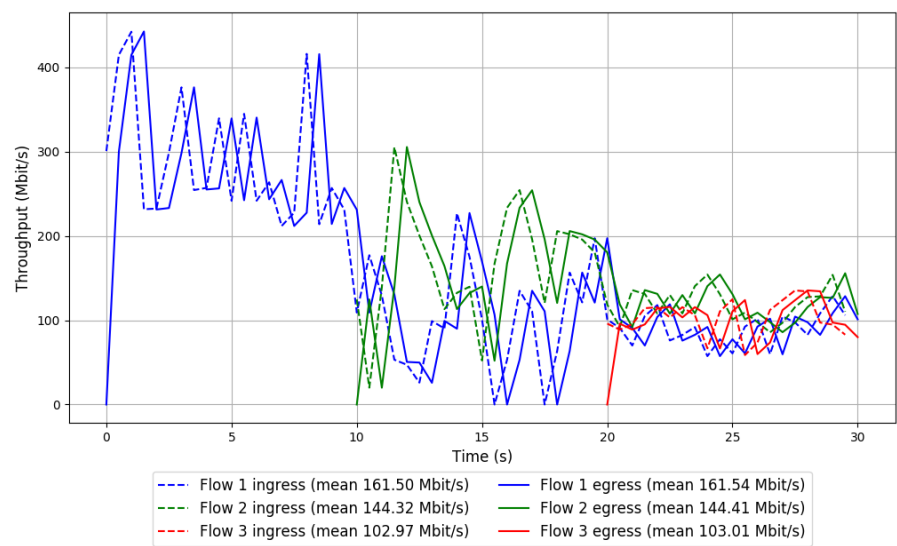
-- Flow 3:

Average throughput: 103.01 Mbit/s

95th percentile per-packet one-way delay: 0.917 ms

Loss rate: 0.15%

Run 3: Report of Verus — Data Link

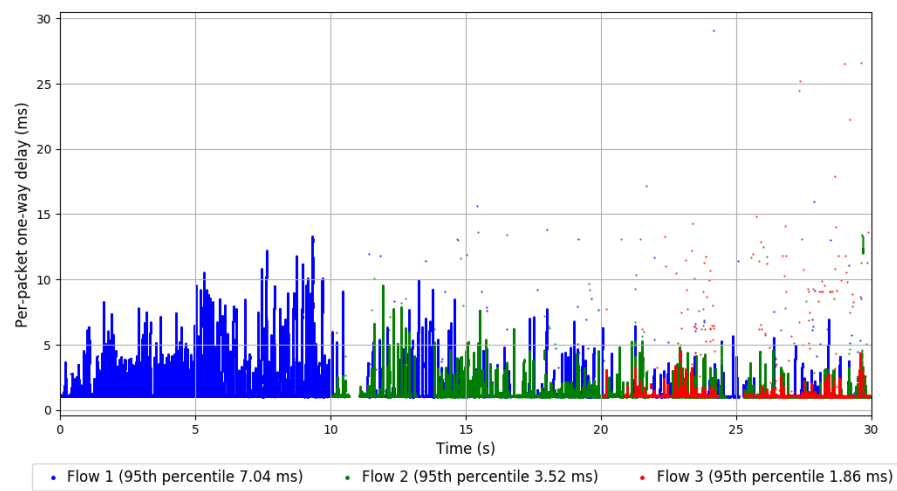
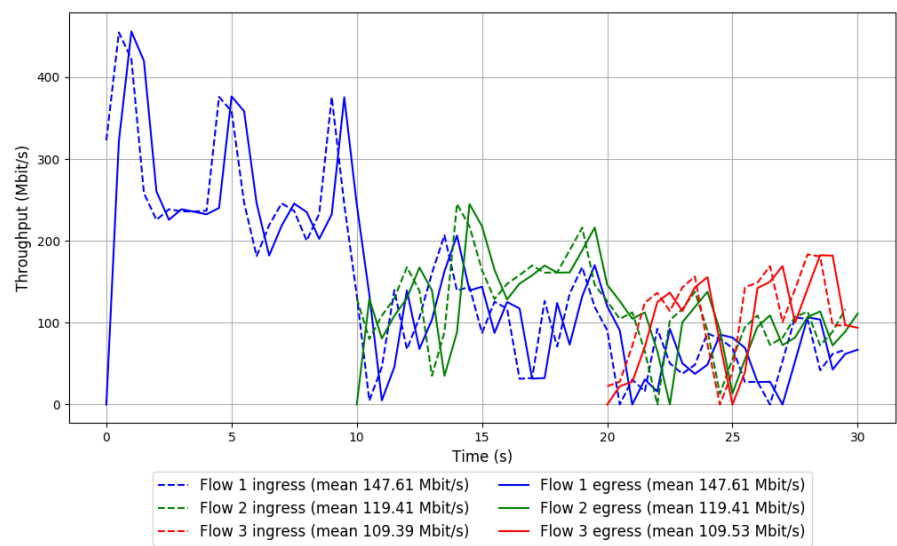


Run 4: Statistics of Verus

Start at: 2018-07-04 12:31:01
End at: 2018-07-04 12:31:31
Local clock offset: 4.278 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-04 17:44:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 262.65 Mbit/s
95th percentile per-packet one-way delay: 5.870 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 147.61 Mbit/s
95th percentile per-packet one-way delay: 7.042 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 119.41 Mbit/s
95th percentile per-packet one-way delay: 3.525 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 109.53 Mbit/s
95th percentile per-packet one-way delay: 1.857 ms
Loss rate: 0.12%

Run 4: Report of Verus — Data Link

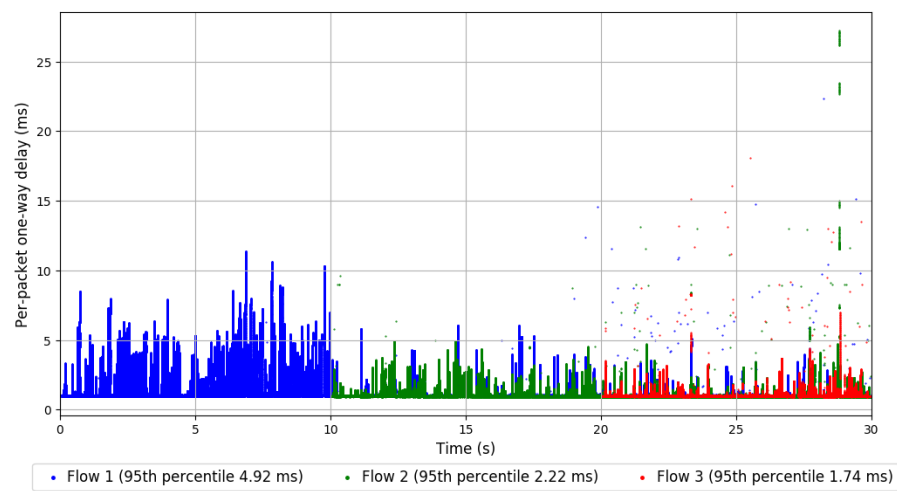
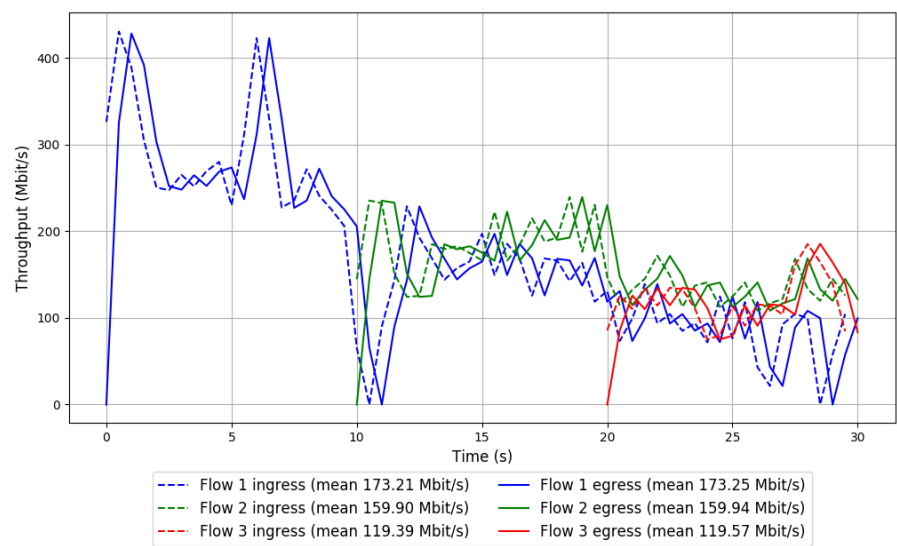


Run 5: Statistics of Verus

Start at: 2018-07-04 12:58:06
End at: 2018-07-04 12:58:36
Local clock offset: 5.392 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-04 17:44:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 319.28 Mbit/s
95th percentile per-packet one-way delay: 4.015 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 173.25 Mbit/s
95th percentile per-packet one-way delay: 4.918 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 159.94 Mbit/s
95th percentile per-packet one-way delay: 2.221 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 119.57 Mbit/s
95th percentile per-packet one-way delay: 1.738 ms
Loss rate: 0.06%

Run 5: Report of Verus — Data Link

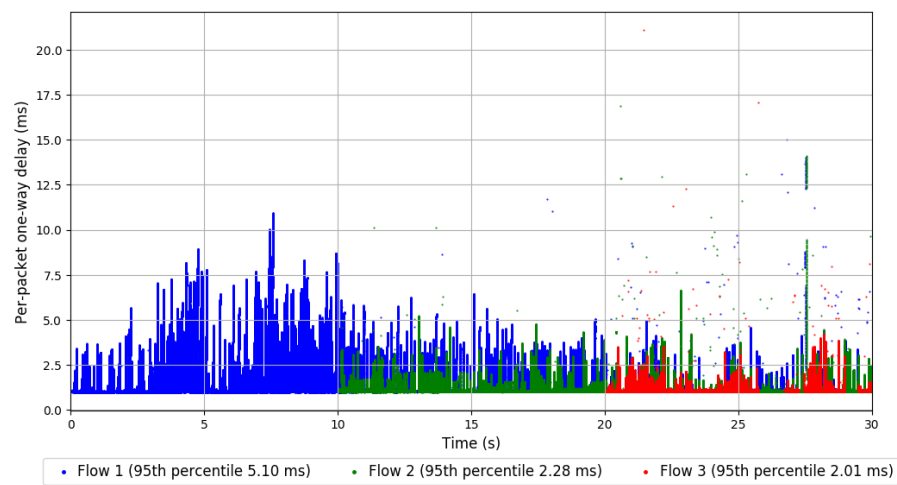
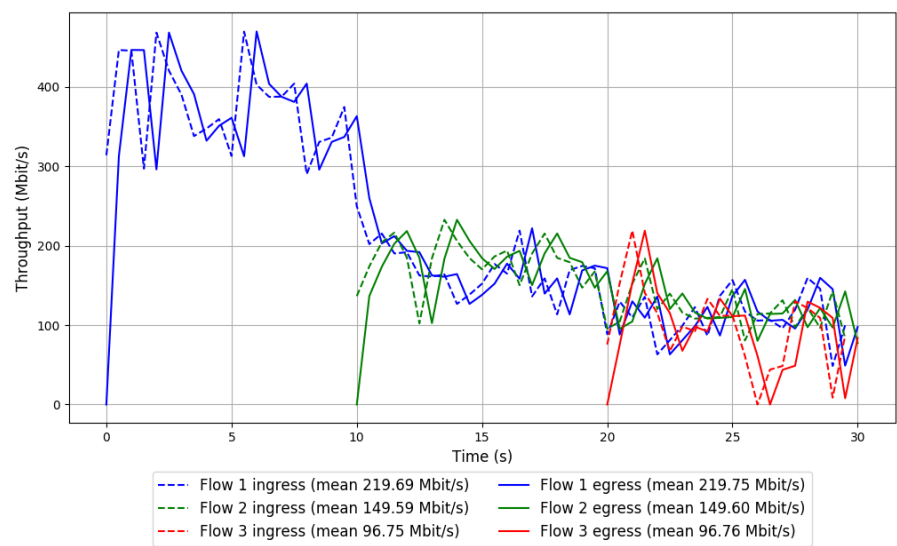


Run 6: Statistics of Verus

Start at: 2018-07-04 13:25:13
End at: 2018-07-04 13:25:43
Local clock offset: -0.531 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-04 17:44:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 351.47 Mbit/s
95th percentile per-packet one-way delay: 4.274 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 219.75 Mbit/s
95th percentile per-packet one-way delay: 5.096 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 149.60 Mbit/s
95th percentile per-packet one-way delay: 2.283 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 96.76 Mbit/s
95th percentile per-packet one-way delay: 2.012 ms
Loss rate: 0.20%

Run 6: Report of Verus — Data Link

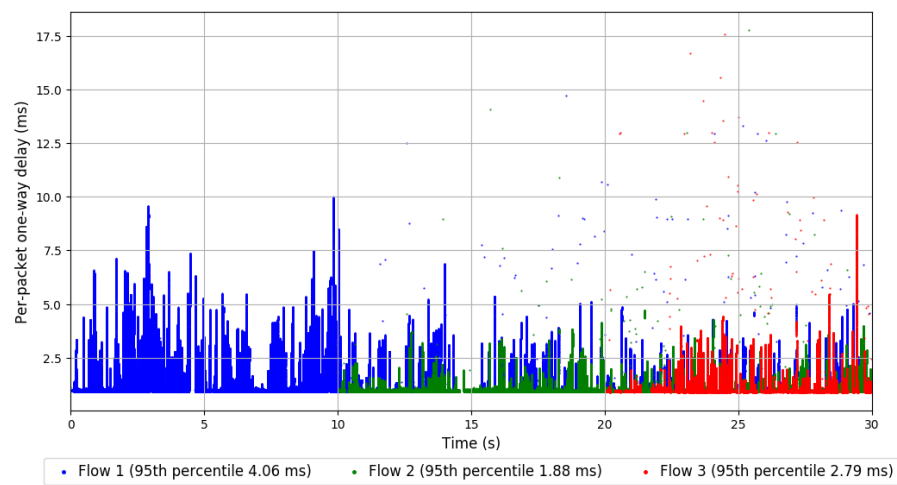
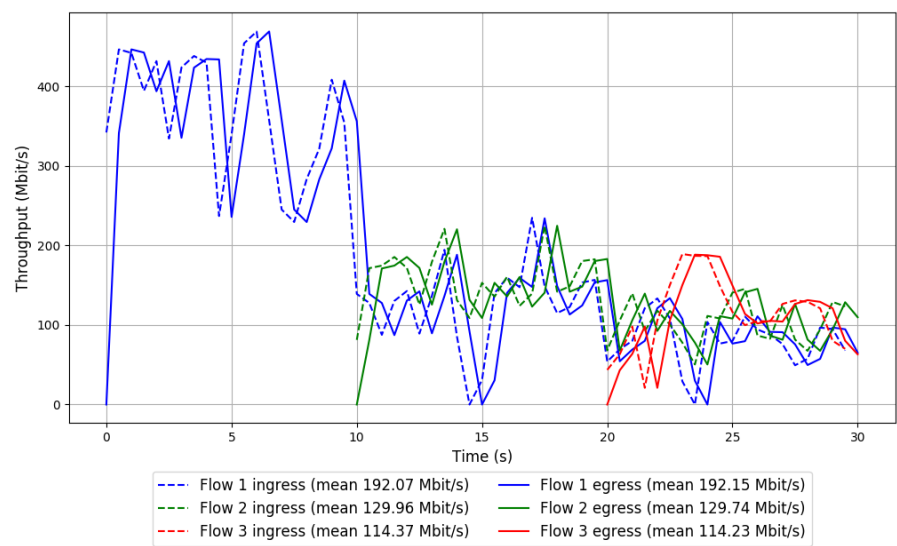


Run 7: Statistics of Verus

Start at: 2018-07-04 13:52:08
End at: 2018-07-04 13:52:38
Local clock offset: 2.813 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-07-04 17:44:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 316.39 Mbit/s
95th percentile per-packet one-way delay: 3.457 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 192.15 Mbit/s
95th percentile per-packet one-way delay: 4.060 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 129.74 Mbit/s
95th percentile per-packet one-way delay: 1.882 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 114.23 Mbit/s
95th percentile per-packet one-way delay: 2.789 ms
Loss rate: 0.30%

Run 7: Report of Verus — Data Link

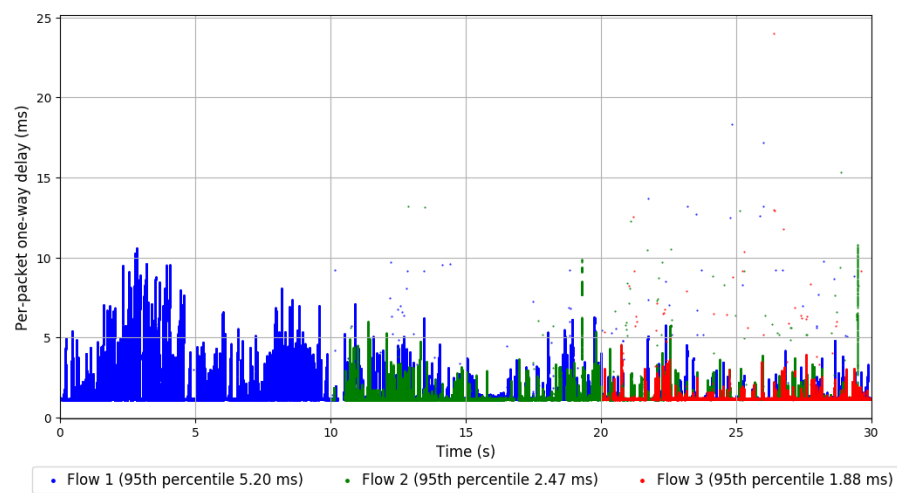
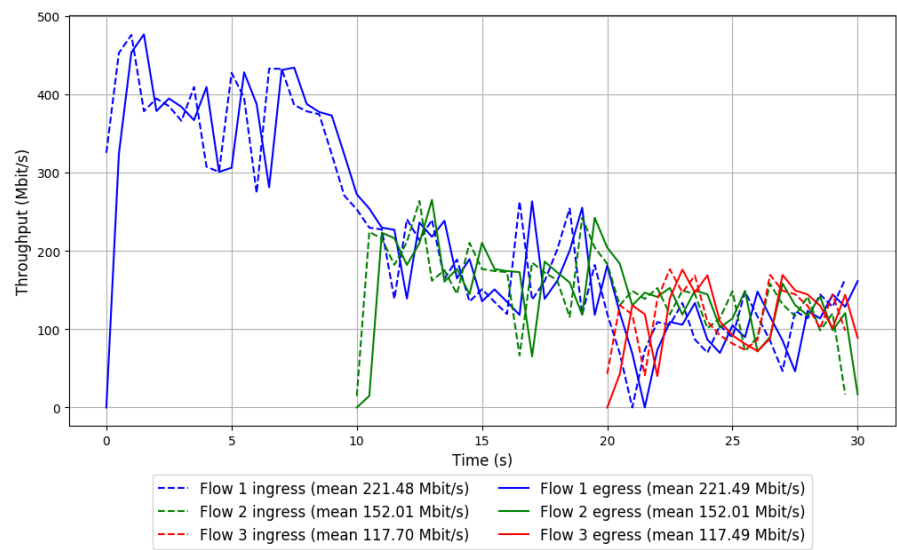


Run 8: Statistics of Verus

Start at: 2018-07-04 14:19:20
End at: 2018-07-04 14:19:50
Local clock offset: 0.283 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-07-04 17:44:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 359.79 Mbit/s
95th percentile per-packet one-way delay: 4.327 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 221.49 Mbit/s
95th percentile per-packet one-way delay: 5.200 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 152.01 Mbit/s
95th percentile per-packet one-way delay: 2.468 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 117.49 Mbit/s
95th percentile per-packet one-way delay: 1.883 ms
Loss rate: 0.40%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-04 14:46:15

End at: 2018-07-04 14:46:45

Local clock offset: 0.063 ms

Remote clock offset: 3.158 ms

Below is generated by plot.py at 2018-07-04 17:44:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 310.11 Mbit/s

95th percentile per-packet one-way delay: 4.365 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 186.99 Mbit/s

95th percentile per-packet one-way delay: 5.311 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 133.86 Mbit/s

95th percentile per-packet one-way delay: 2.459 ms

Loss rate: 0.00%

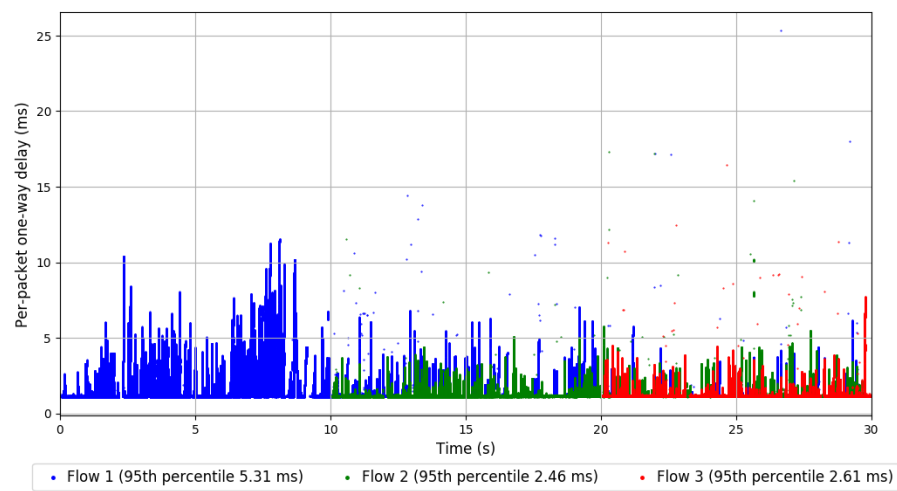
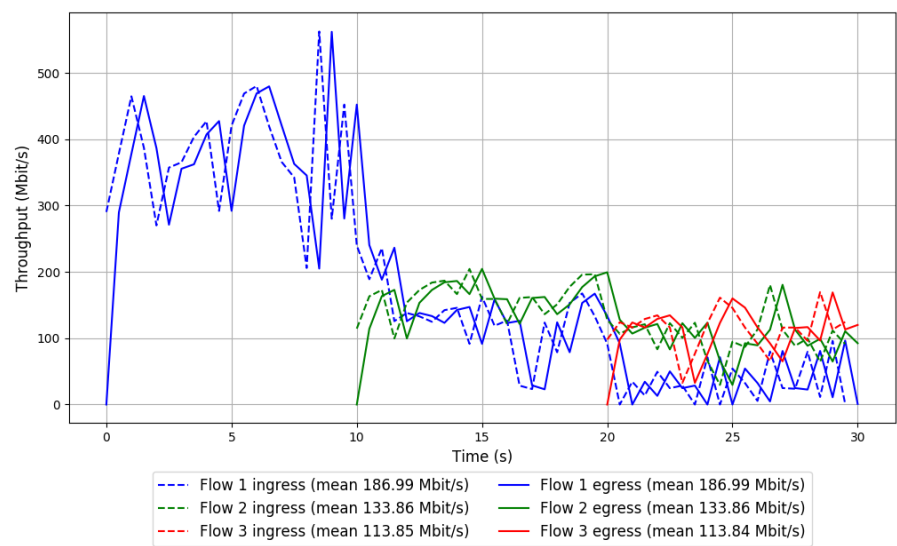
-- Flow 3:

Average throughput: 113.84 Mbit/s

95th percentile per-packet one-way delay: 2.610 ms

Loss rate: 0.21%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-04 15:13:16

End at: 2018-07-04 15:13:46

Local clock offset: -0.024 ms

Remote clock offset: 1.157 ms

Below is generated by plot.py at 2018-07-04 17:46:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 341.01 Mbit/s

95th percentile per-packet one-way delay: 6.438 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 221.63 Mbit/s

95th percentile per-packet one-way delay: 7.268 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 123.82 Mbit/s

95th percentile per-packet one-way delay: 3.528 ms

Loss rate: 0.00%

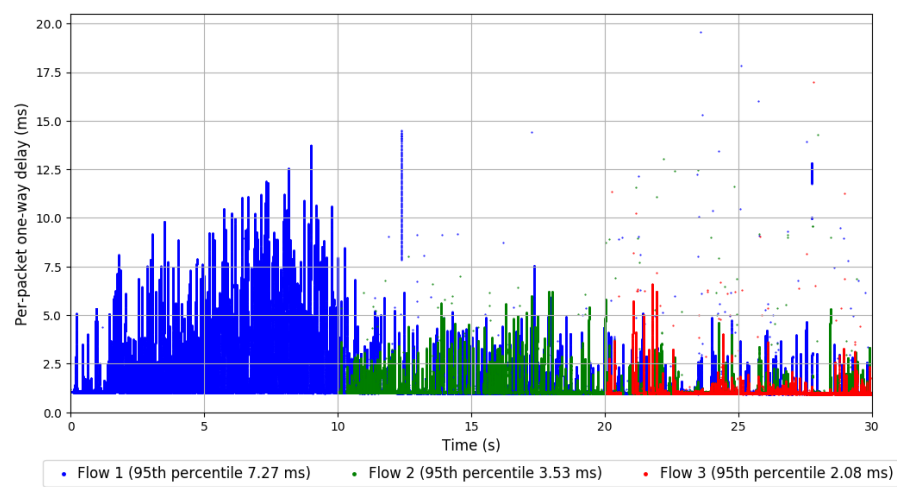
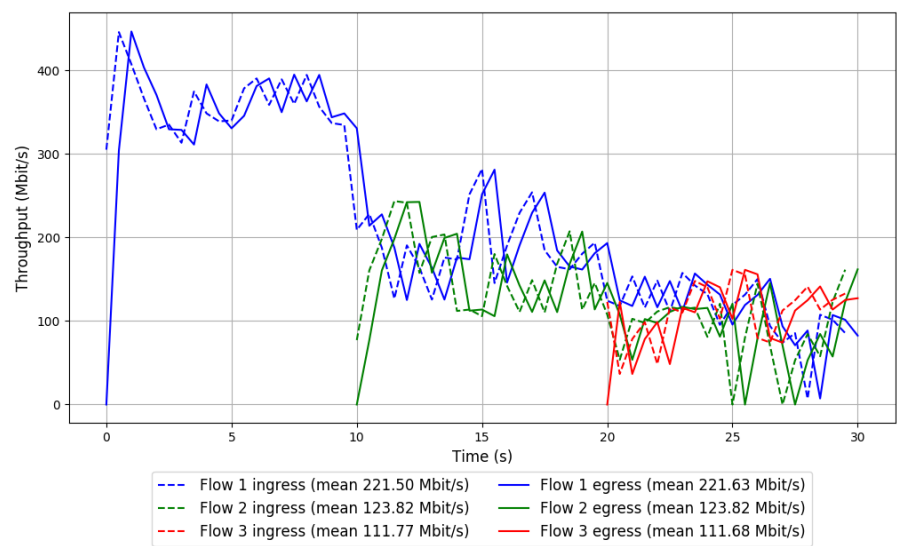
-- Flow 3:

Average throughput: 111.68 Mbit/s

95th percentile per-packet one-way delay: 2.084 ms

Loss rate: 0.26%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-04 11:13:07

End at: 2018-07-04 11:13:37

Local clock offset: 1.2 ms

Remote clock offset: 2.346 ms

Below is generated by plot.py at 2018-07-04 17:47:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 369.62 Mbit/s

95th percentile per-packet one-way delay: 1.373 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 269.99 Mbit/s

95th percentile per-packet one-way delay: 1.360 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 110.67 Mbit/s

95th percentile per-packet one-way delay: 1.421 ms

Loss rate: 0.09%

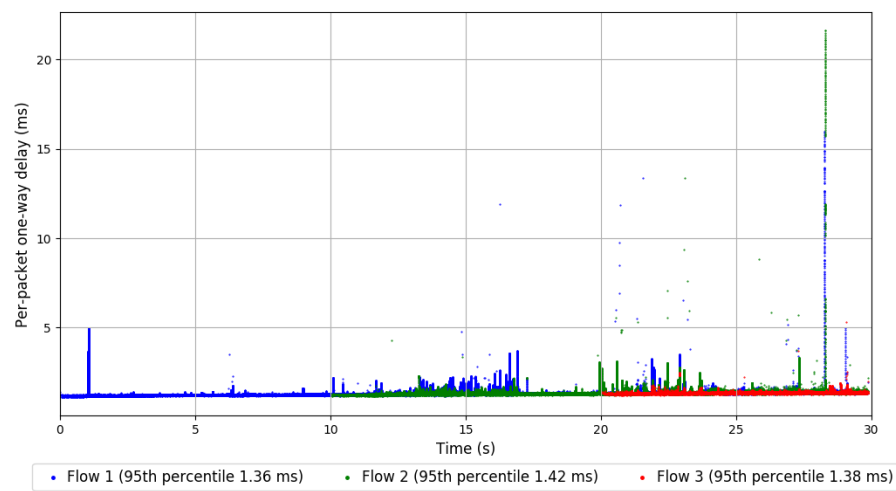
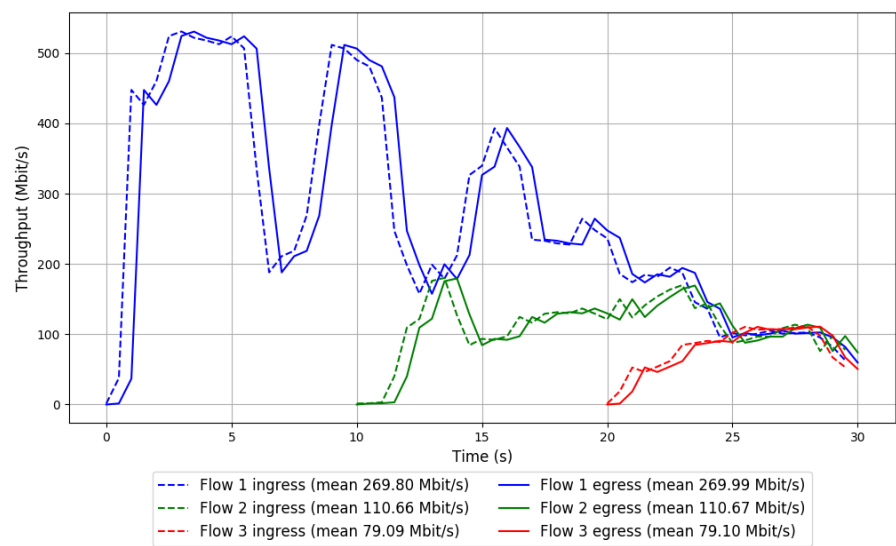
-- Flow 3:

Average throughput: 79.10 Mbit/s

95th percentile per-packet one-way delay: 1.383 ms

Loss rate: 0.18%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-04 11:40:01

End at: 2018-07-04 11:40:31

Local clock offset: -0.357 ms

Remote clock offset: 4.981 ms

Below is generated by plot.py at 2018-07-04 17:47:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 325.27 Mbit/s

95th percentile per-packet one-way delay: 0.745 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 259.32 Mbit/s

95th percentile per-packet one-way delay: 0.748 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 69.89 Mbit/s

95th percentile per-packet one-way delay: 0.660 ms

Loss rate: 0.22%

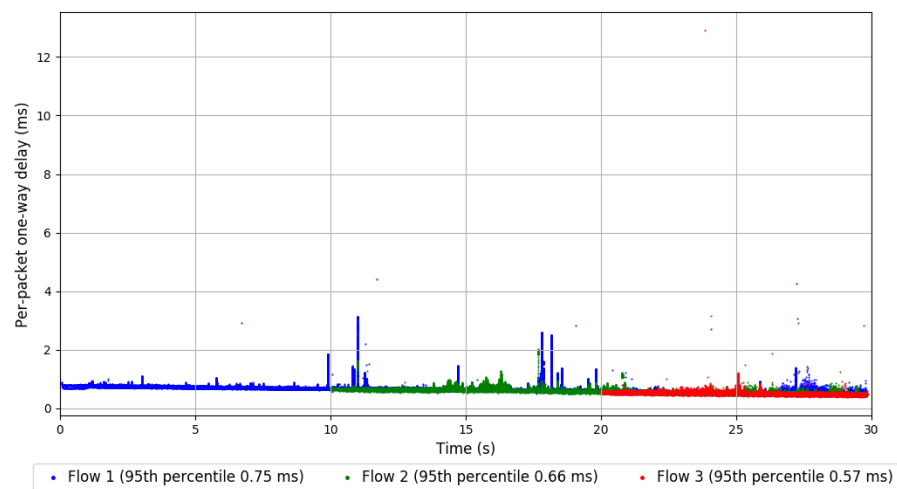
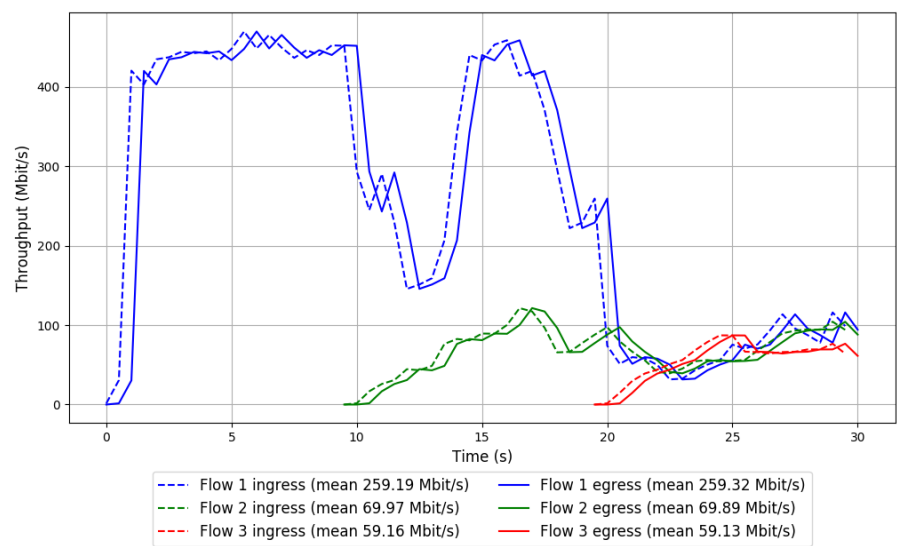
-- Flow 3:

Average throughput: 59.13 Mbit/s

95th percentile per-packet one-way delay: 0.566 ms

Loss rate: 0.24%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-04 12:06:57

End at: 2018-07-04 12:07:27

Local clock offset: 1.017 ms

Remote clock offset: 0.133 ms

Below is generated by plot.py at 2018-07-04 17:47:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 274.43 Mbit/s

95th percentile per-packet one-way delay: 0.769 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 208.94 Mbit/s

95th percentile per-packet one-way delay: 0.771 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 69.32 Mbit/s

95th percentile per-packet one-way delay: 0.738 ms

Loss rate: 0.10%

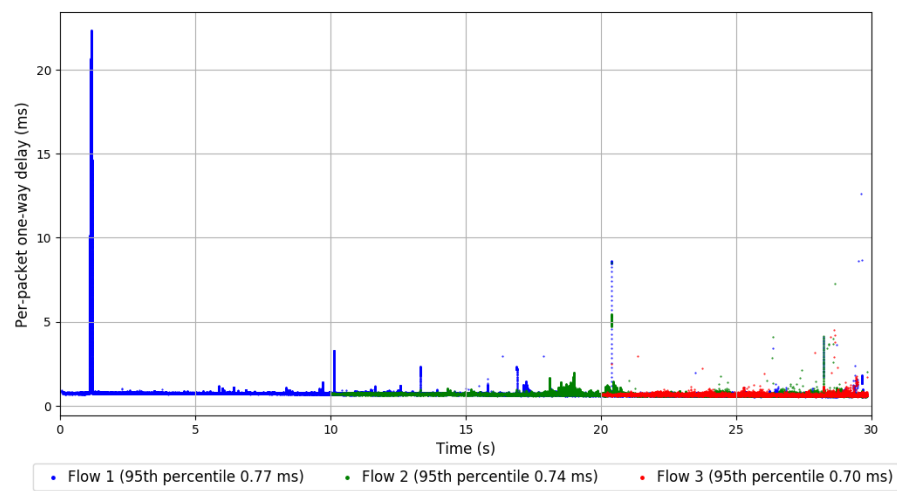
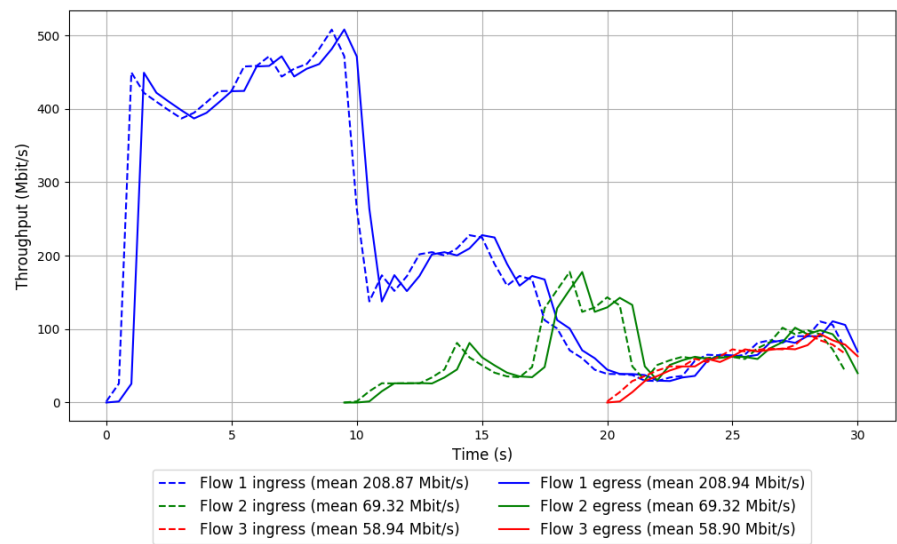
-- Flow 3:

Average throughput: 58.90 Mbit/s

95th percentile per-packet one-way delay: 0.702 ms

Loss rate: 0.32%

Run 3: Report of PCC-Vivace — Data Link

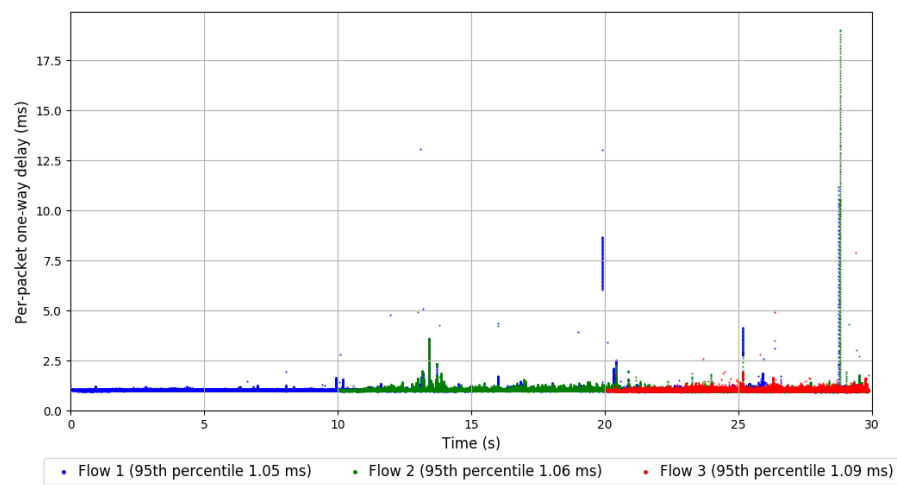
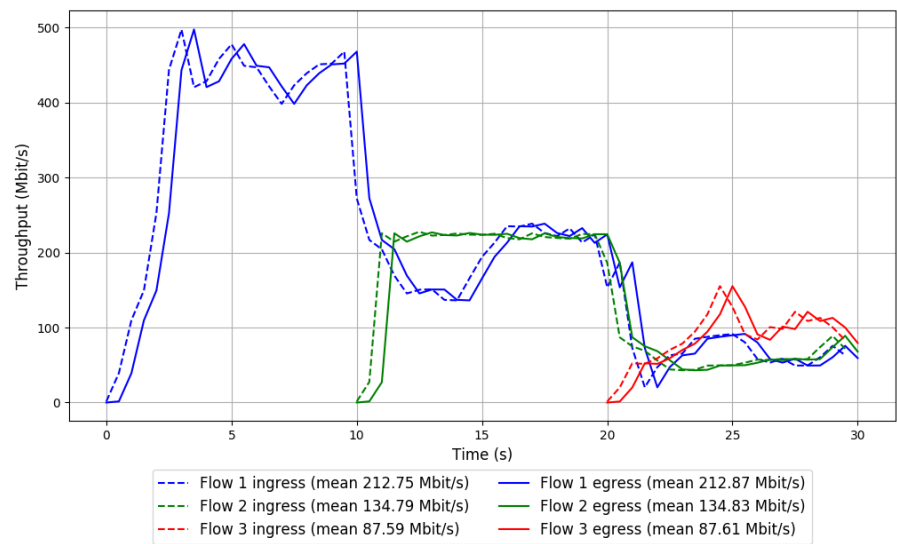


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-04 12:33:51
End at: 2018-07-04 12:34:21
Local clock offset: 4.414 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-07-04 17:47:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 331.34 Mbit/s
95th percentile per-packet one-way delay: 1.053 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 212.87 Mbit/s
95th percentile per-packet one-way delay: 1.049 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 134.83 Mbit/s
95th percentile per-packet one-way delay: 1.064 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 87.61 Mbit/s
95th percentile per-packet one-way delay: 1.090 ms
Loss rate: 0.24%

Run 4: Report of PCC-Vivace — Data Link

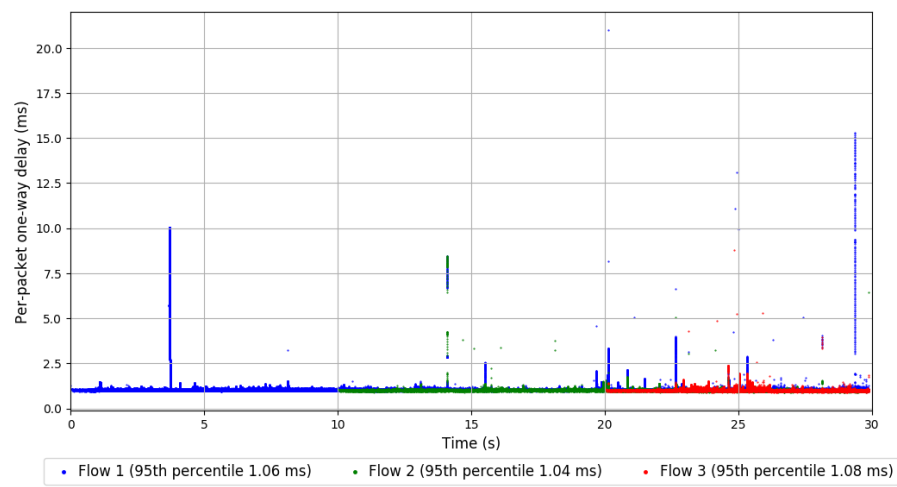
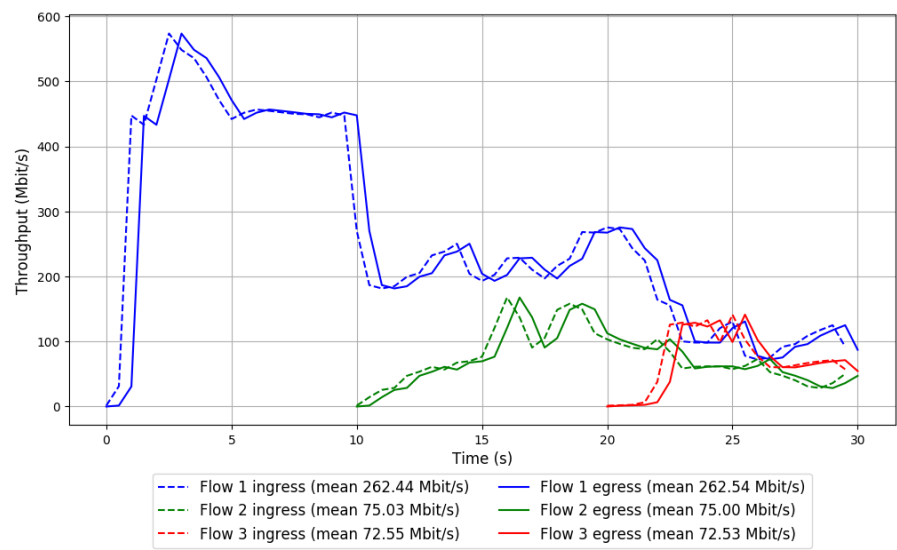


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-04 13:00:59
End at: 2018-07-04 13:01:29
Local clock offset: 5.608 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-04 17:48:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 336.26 Mbit/s
95th percentile per-packet one-way delay: 1.057 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 262.54 Mbit/s
95th percentile per-packet one-way delay: 1.059 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 75.00 Mbit/s
95th percentile per-packet one-way delay: 1.038 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 72.53 Mbit/s
95th percentile per-packet one-way delay: 1.079 ms
Loss rate: 0.20%

Run 5: Report of PCC-Vivace — Data Link

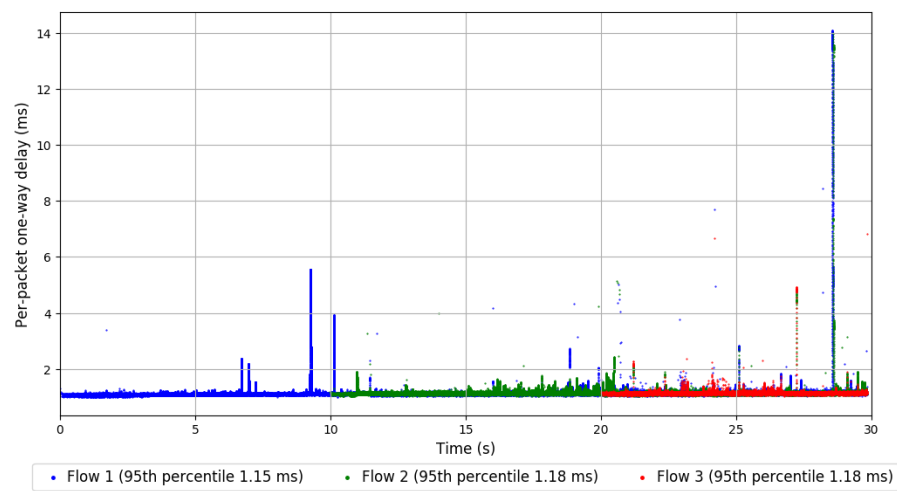
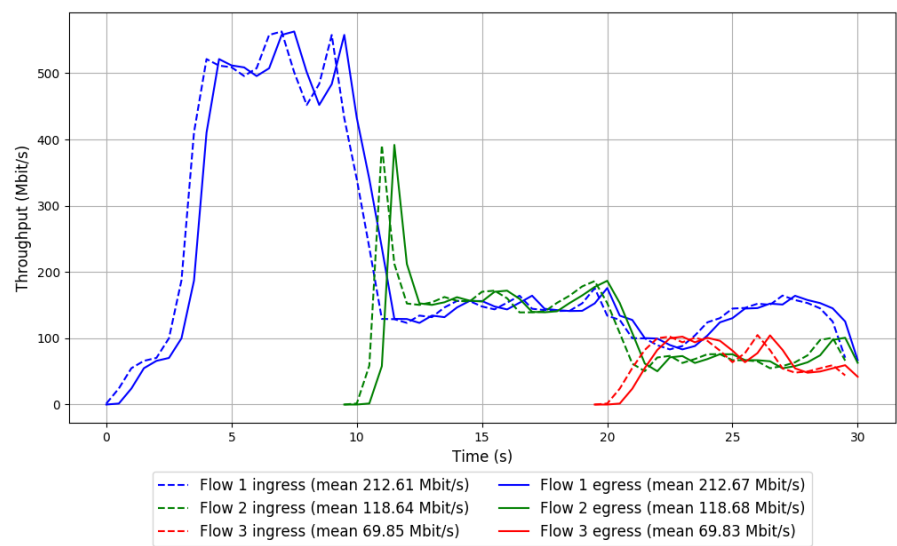


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-04 13:28:07
End at: 2018-07-04 13:28:37
Local clock offset: -0.689 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-04 17:48:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 314.63 Mbit/s
95th percentile per-packet one-way delay: 1.170 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 212.67 Mbit/s
95th percentile per-packet one-way delay: 1.154 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 118.68 Mbit/s
95th percentile per-packet one-way delay: 1.183 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 69.83 Mbit/s
95th percentile per-packet one-way delay: 1.182 ms
Loss rate: 0.16%

Run 6: Report of PCC-Vivace — Data Link

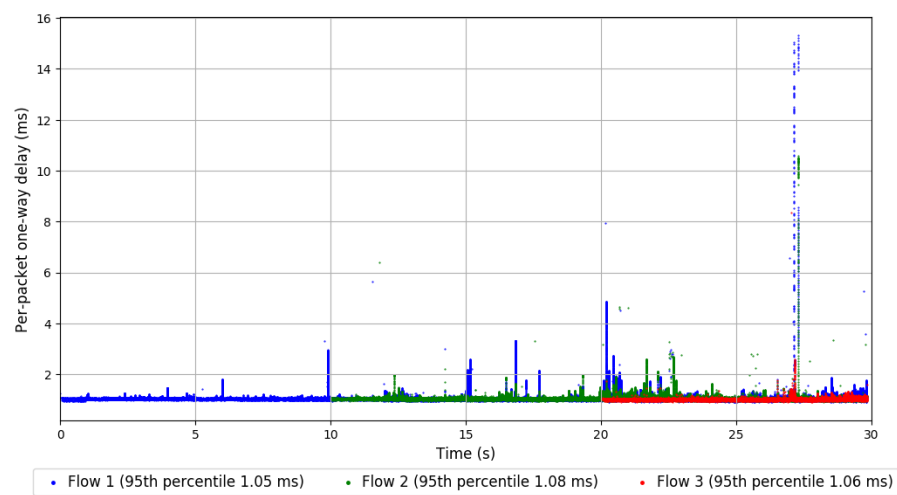
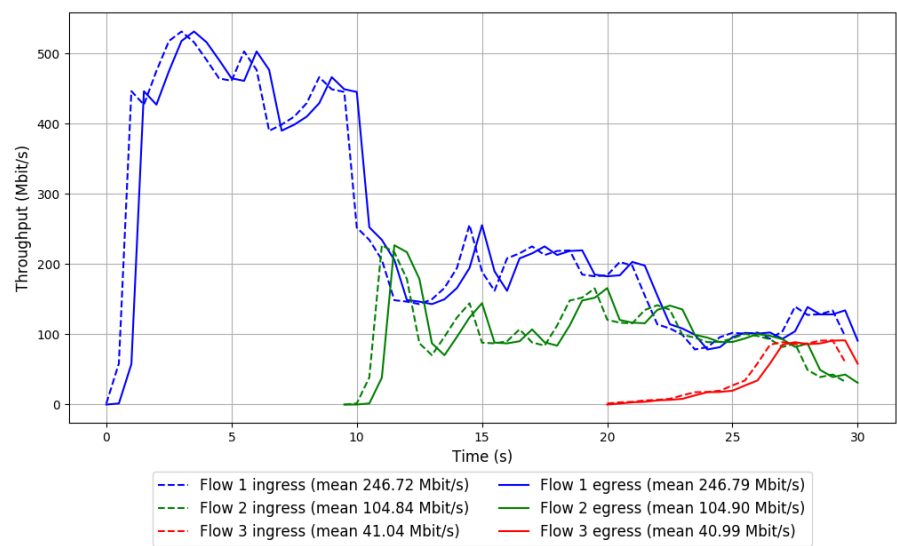


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-04 13:55:01
End at: 2018-07-04 13:55:31
Local clock offset: 3.069 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-07-04 17:48:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 330.07 Mbit/s
95th percentile per-packet one-way delay: 1.061 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 246.79 Mbit/s
95th percentile per-packet one-way delay: 1.049 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 104.90 Mbit/s
95th percentile per-packet one-way delay: 1.080 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 40.99 Mbit/s
95th percentile per-packet one-way delay: 1.059 ms
Loss rate: 0.31%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-04 14:22:14

End at: 2018-07-04 14:22:44

Local clock offset: 0.054 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-04 17:49:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 303.51 Mbit/s

95th percentile per-packet one-way delay: 1.136 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 240.48 Mbit/s

95th percentile per-packet one-way delay: 1.133 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 65.57 Mbit/s

95th percentile per-packet one-way delay: 1.150 ms

Loss rate: 0.15%

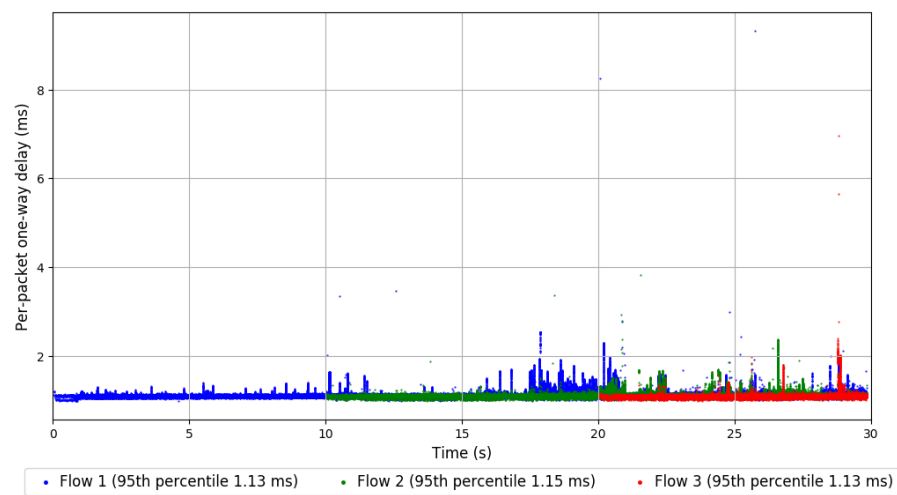
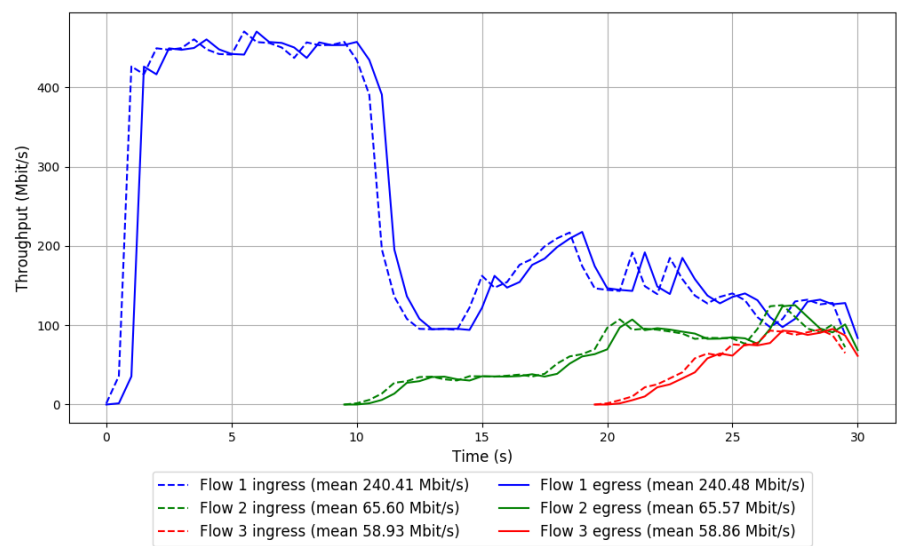
-- Flow 3:

Average throughput: 58.86 Mbit/s

95th percentile per-packet one-way delay: 1.128 ms

Loss rate: 0.32%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-04 14:49:06

End at: 2018-07-04 14:49:36

Local clock offset: 0.066 ms

Remote clock offset: 3.536 ms

Below is generated by plot.py at 2018-07-04 17:49:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 337.88 Mbit/s

95th percentile per-packet one-way delay: 1.033 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 244.49 Mbit/s

95th percentile per-packet one-way delay: 1.019 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 111.94 Mbit/s

95th percentile per-packet one-way delay: 1.048 ms

Loss rate: 0.09%

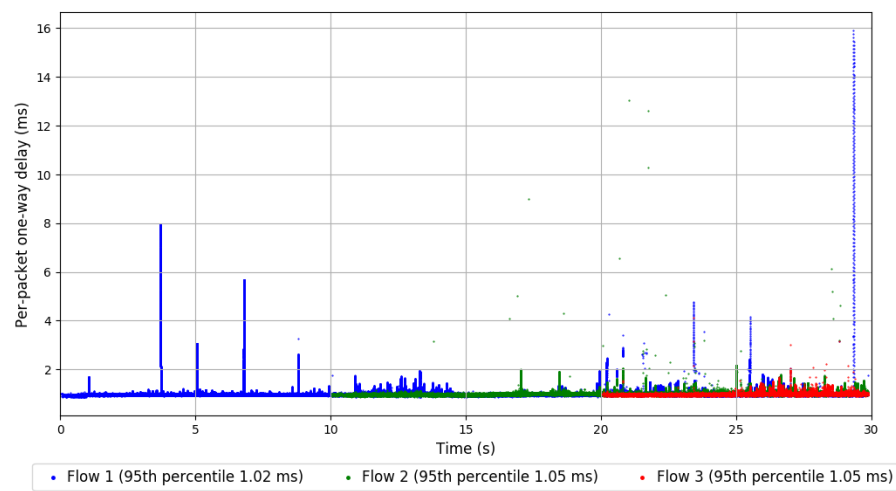
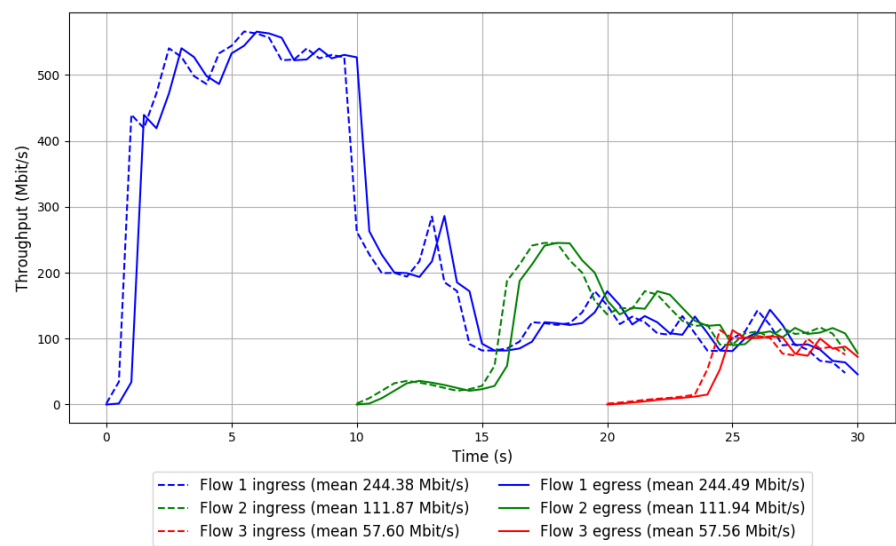
-- Flow 3:

Average throughput: 57.56 Mbit/s

95th percentile per-packet one-way delay: 1.053 ms

Loss rate: 0.33%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-04 15:16:09

End at: 2018-07-04 15:16:39

Local clock offset: -0.114 ms

Remote clock offset: 0.735 ms

Below is generated by plot.py at 2018-07-04 17:49:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 338.12 Mbit/s

95th percentile per-packet one-way delay: 0.928 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 237.96 Mbit/s

95th percentile per-packet one-way delay: 0.928 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 100.61 Mbit/s

95th percentile per-packet one-way delay: 0.918 ms

Loss rate: 0.11%

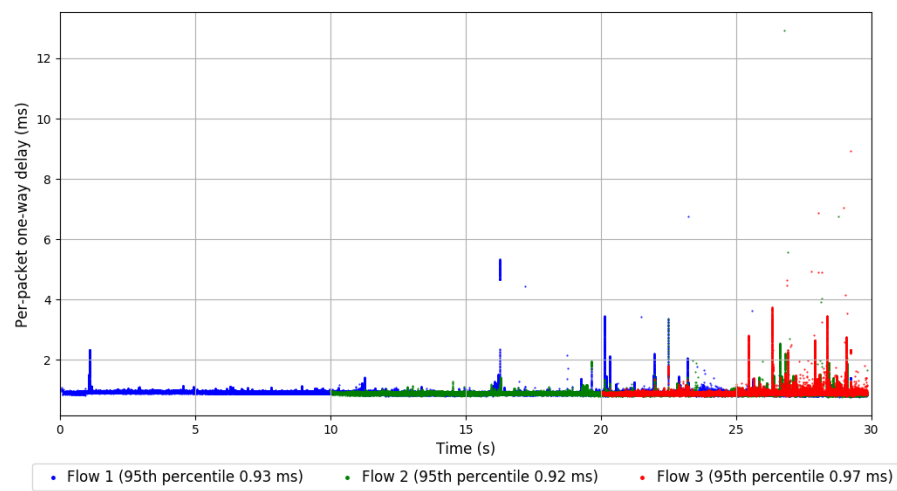
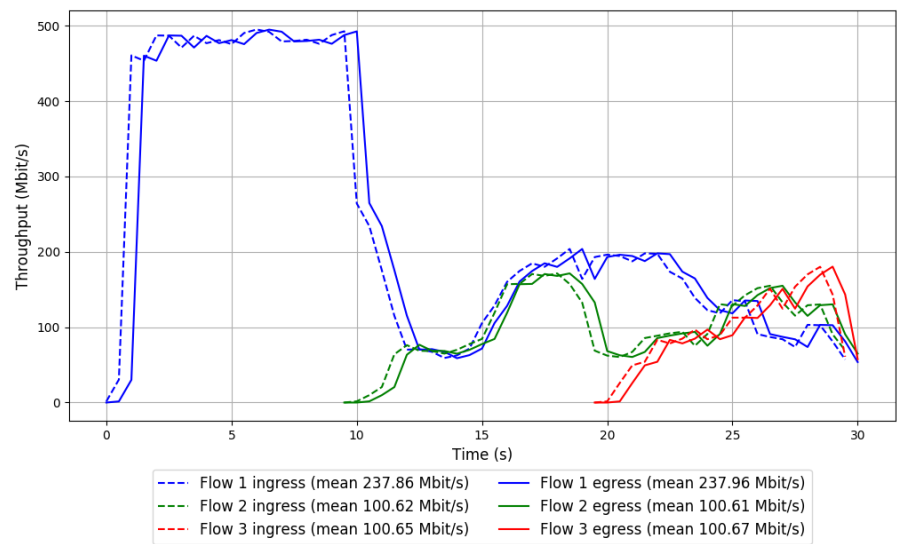
-- Flow 3:

Average throughput: 100.67 Mbit/s

95th percentile per-packet one-way delay: 0.972 ms

Loss rate: 0.17%

Run 10: Report of PCC-Vivace — Data Link

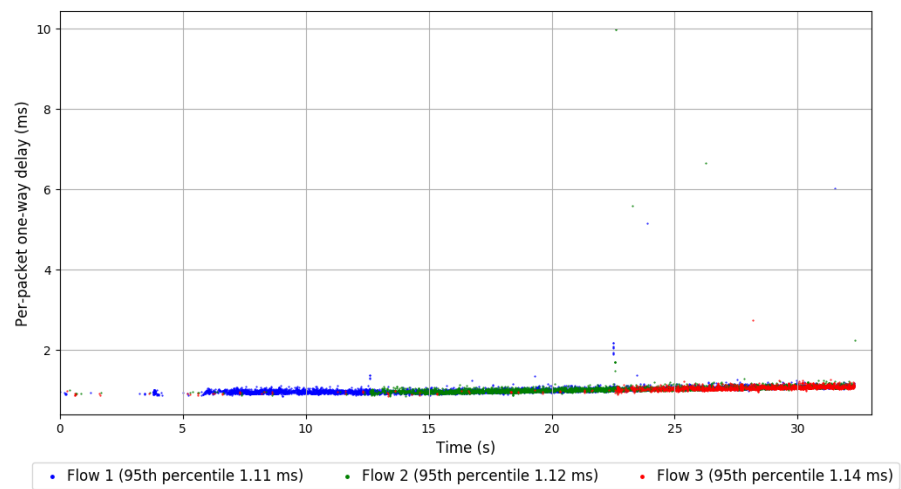
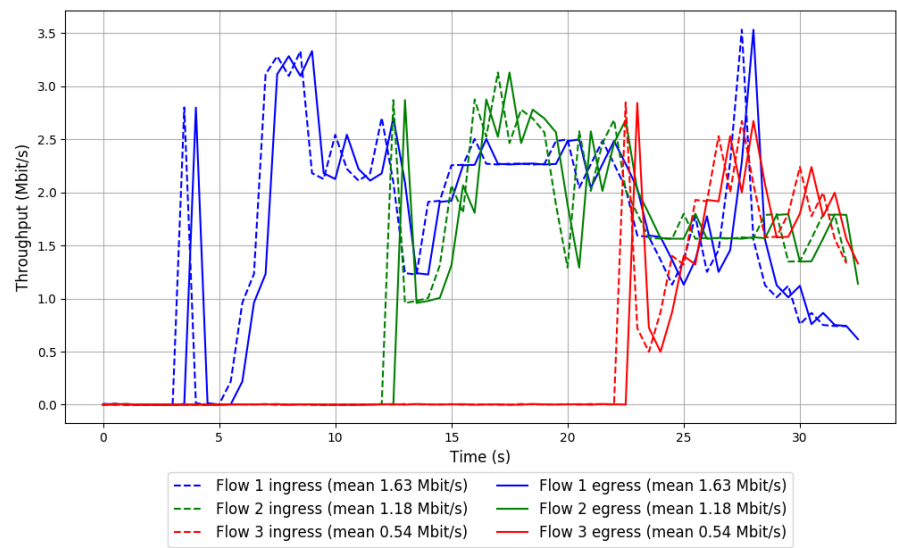


Run 1: Statistics of WebRTC media

Start at: 2018-07-04 11:02:25
End at: 2018-07-04 11:02:55
Local clock offset: 4.309 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-07-04 17:49:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.33 Mbit/s
95th percentile per-packet one-way delay: 1.121 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 1.106 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 1.125 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 1.141 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-04 11:29:20

End at: 2018-07-04 11:29:50

Local clock offset: -0.451 ms

Remote clock offset: 4.598 ms

Below is generated by plot.py at 2018-07-04 17:49:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.46 Mbit/s

95th percentile per-packet one-way delay: 1.026 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 1.75 Mbit/s

95th percentile per-packet one-way delay: 1.018 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.20 Mbit/s

95th percentile per-packet one-way delay: 1.030 ms

Loss rate: 0.00%

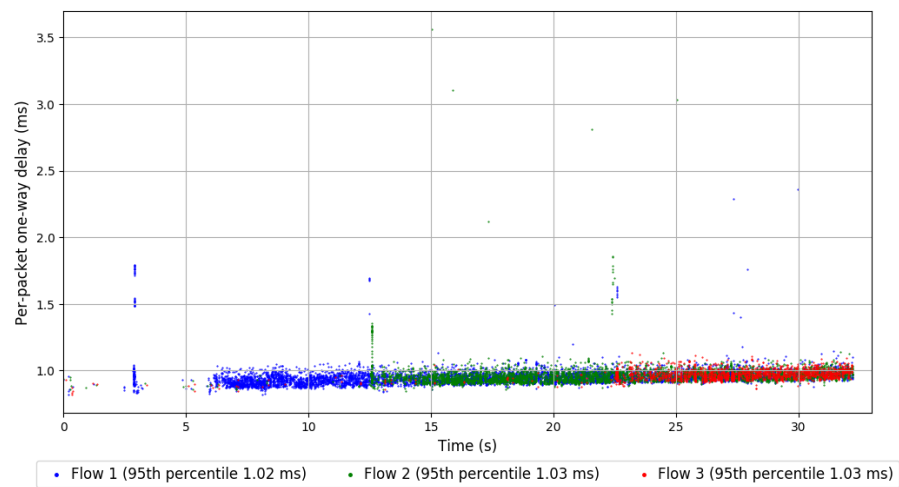
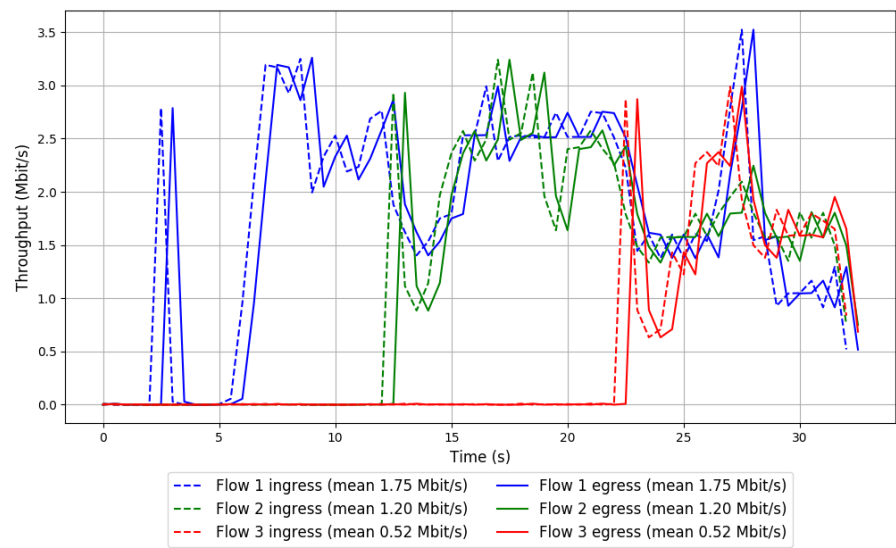
-- Flow 3:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 1.035 ms

Loss rate: 0.45%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-04 11:56:17

End at: 2018-07-04 11:56:47

Local clock offset: -0.393 ms

Remote clock offset: 0.705 ms

Below is generated by plot.py at 2018-07-04 17:49:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.41 Mbit/s

95th percentile per-packet one-way delay: 0.985 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 1.70 Mbit/s

95th percentile per-packet one-way delay: 0.983 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.17 Mbit/s

95th percentile per-packet one-way delay: 0.994 ms

Loss rate: 0.17%

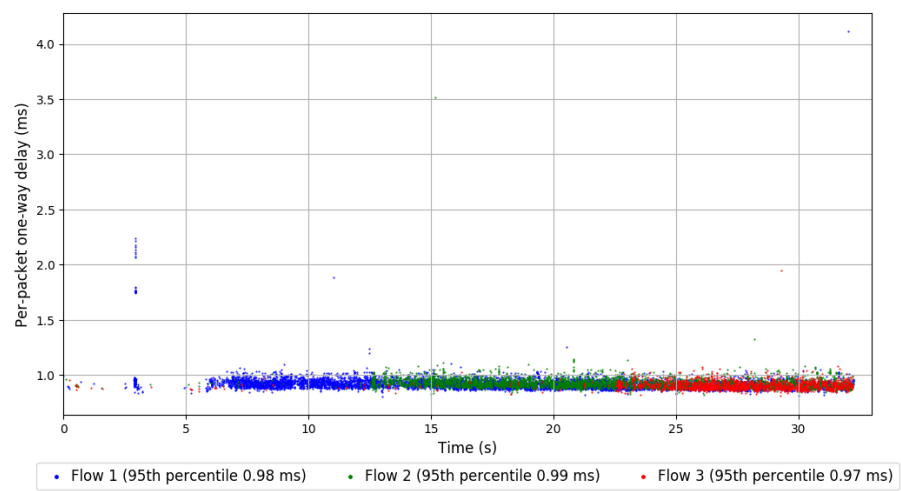
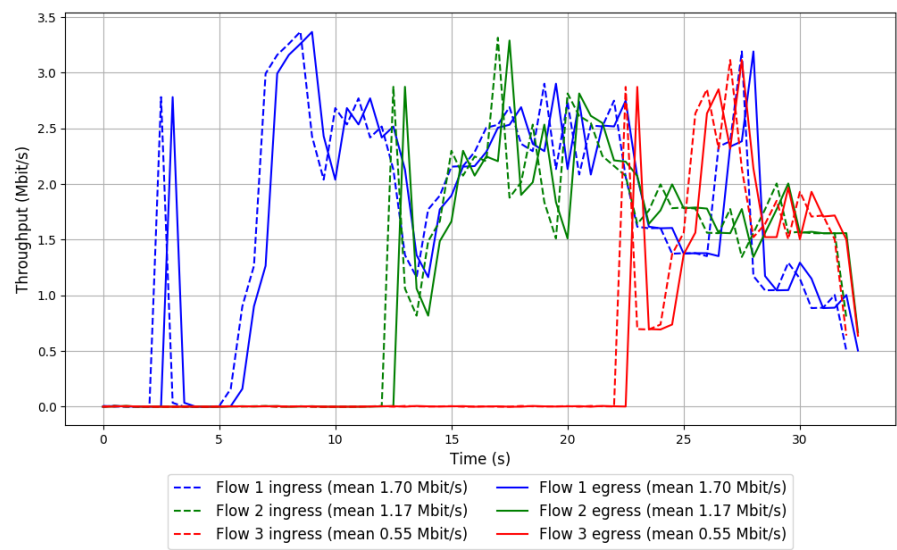
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 0.967 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-04 12:23:06

End at: 2018-07-04 12:23:36

Local clock offset: 3.65 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-04 17:49:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.42 Mbit/s

95th percentile per-packet one-way delay: 0.899 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 1.71 Mbit/s

95th percentile per-packet one-way delay: 0.902 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.21 Mbit/s

95th percentile per-packet one-way delay: 0.893 ms

Loss rate: 0.00%

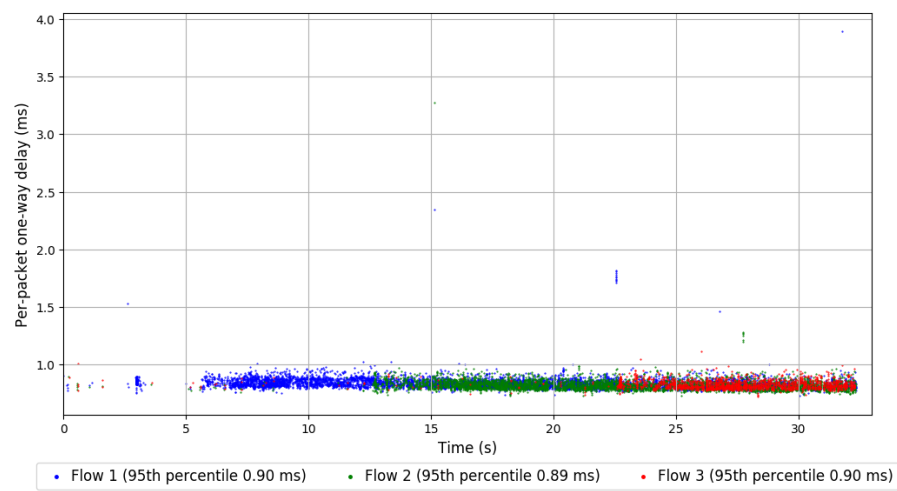
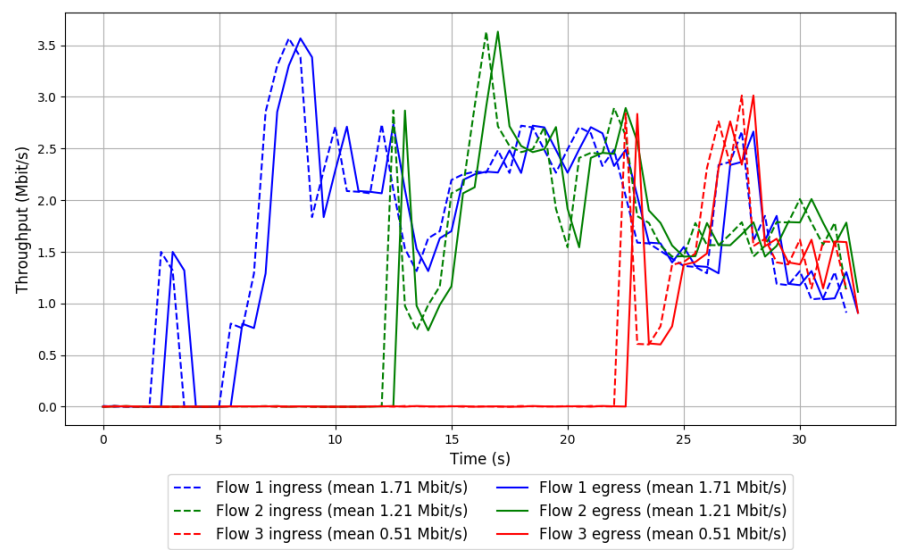
-- Flow 3:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 0.896 ms

Loss rate: 0.69%

Run 4: Report of WebRTC media — Data Link

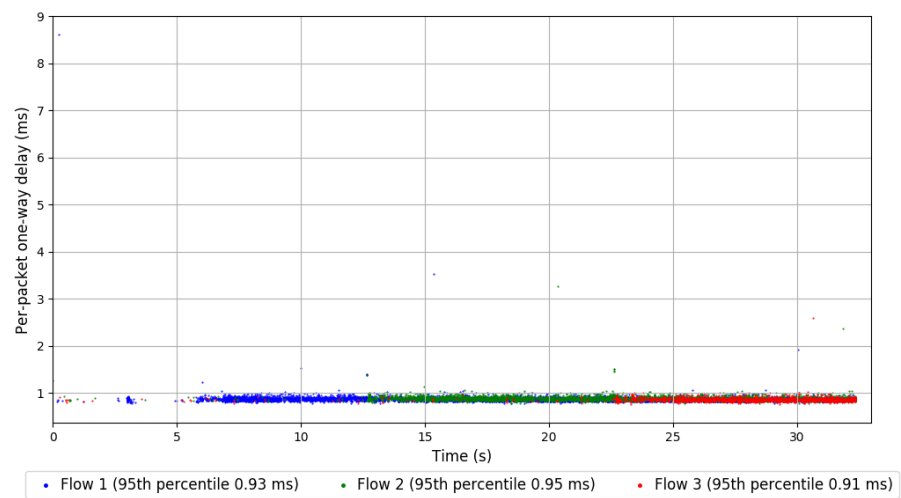
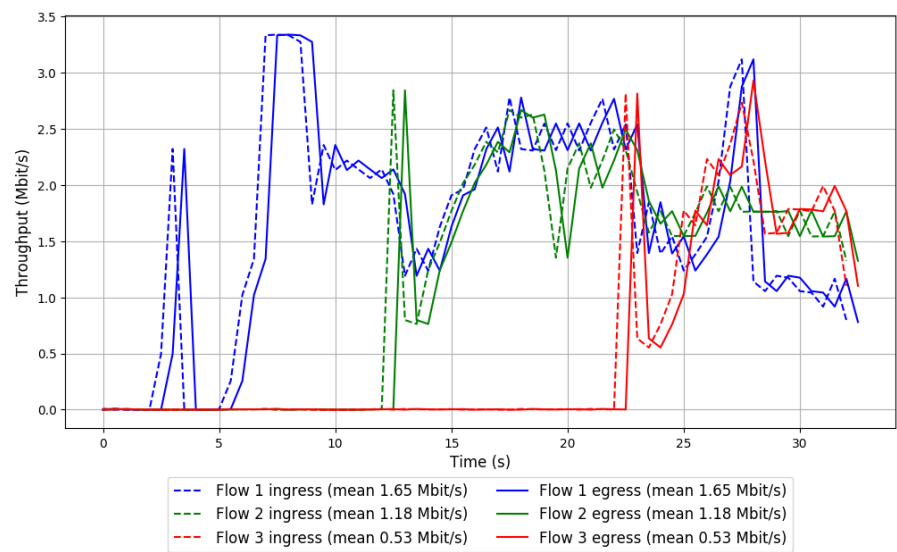


Run 5: Statistics of WebRTC media

Start at: 2018-07-04 12:50:10
End at: 2018-07-04 12:50:40
Local clock offset: 5.042 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-04 17:49:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.34 Mbit/s
95th percentile per-packet one-way delay: 0.935 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 1.65 Mbit/s
95th percentile per-packet one-way delay: 0.926 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 0.949 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 0.914 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-04 13:17:13

End at: 2018-07-04 13:17:43

Local clock offset: 0.651 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-07-04 17:49:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.38 Mbit/s

95th percentile per-packet one-way delay: 1.173 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 1.64 Mbit/s

95th percentile per-packet one-way delay: 1.161 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.26 Mbit/s

95th percentile per-packet one-way delay: 1.187 ms

Loss rate: 0.05%

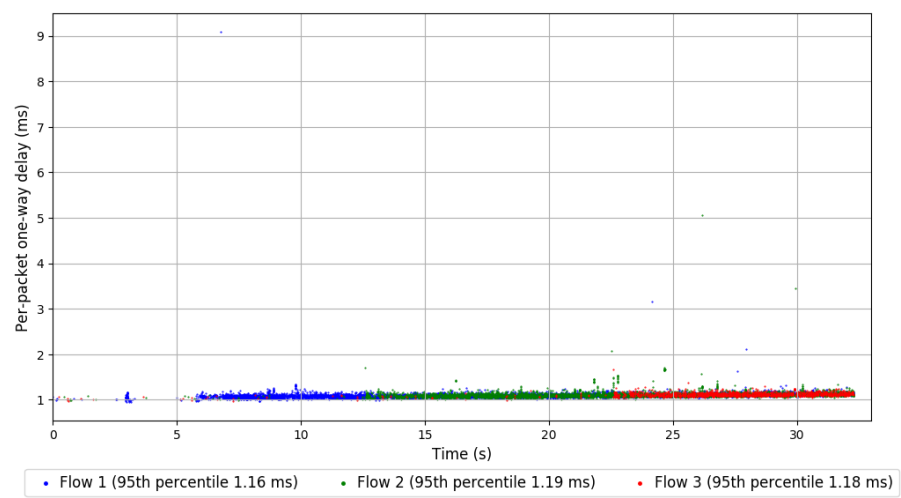
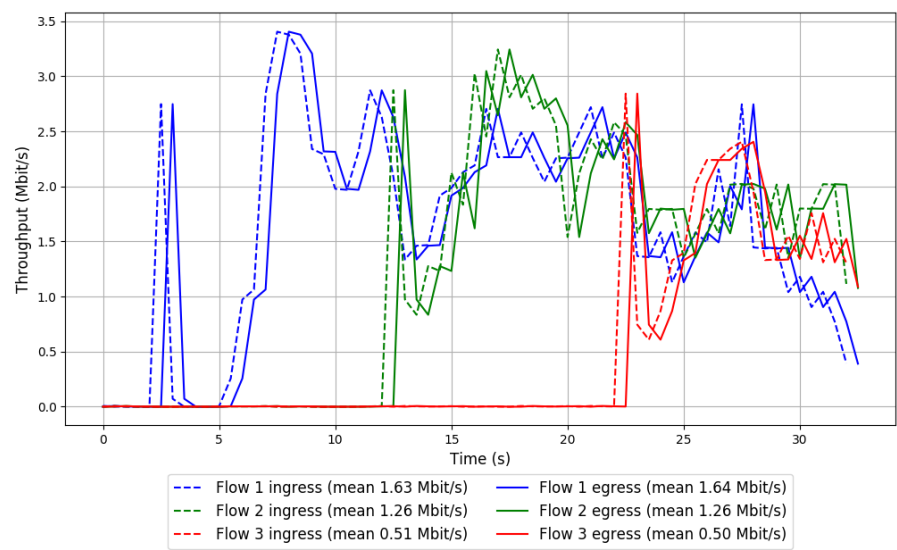
-- Flow 3:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 1.180 ms

Loss rate: 0.67%

Run 6: Report of WebRTC media — Data Link

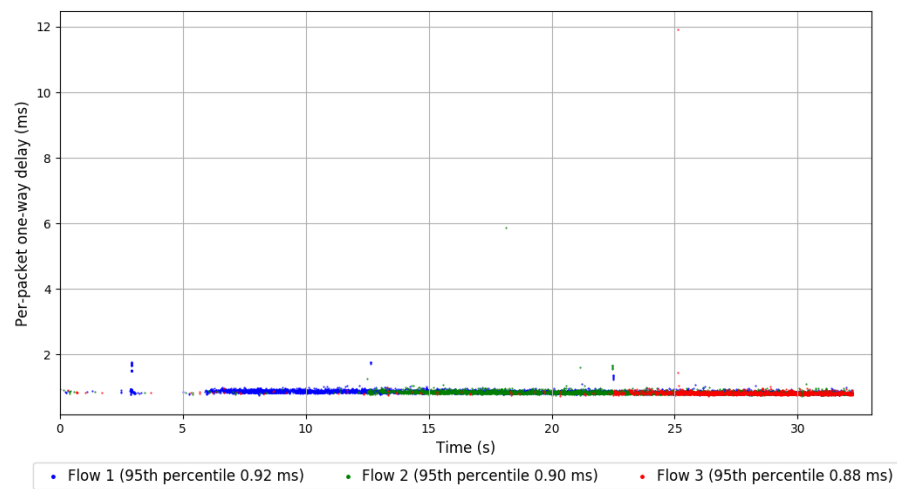
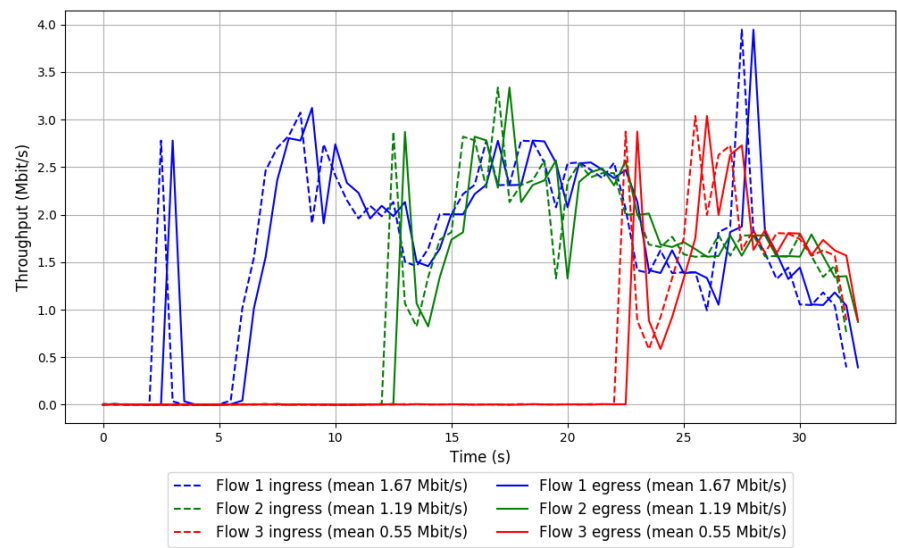


Run 7: Statistics of WebRTC media

Start at: 2018-07-04 13:44:16
End at: 2018-07-04 13:44:46
Local clock offset: 2.111 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-07-04 17:49:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.39 Mbit/s
95th percentile per-packet one-way delay: 0.913 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 0.923 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 0.900 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 0.879 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

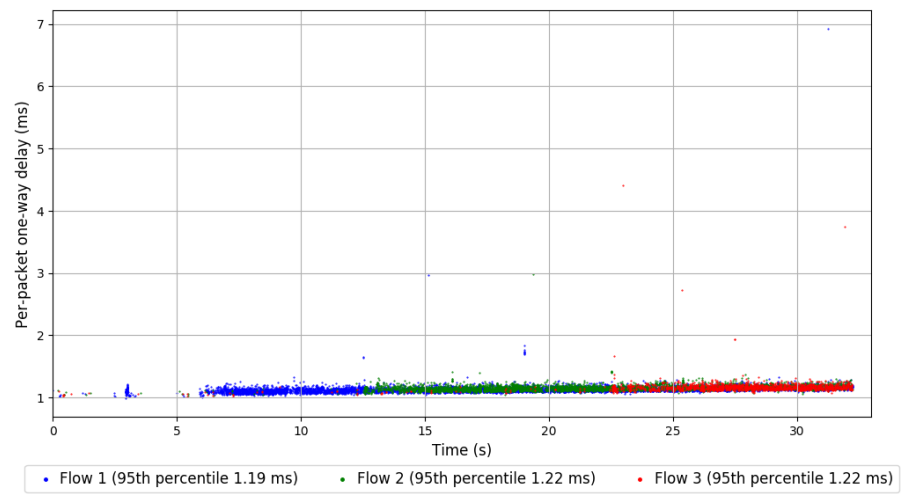
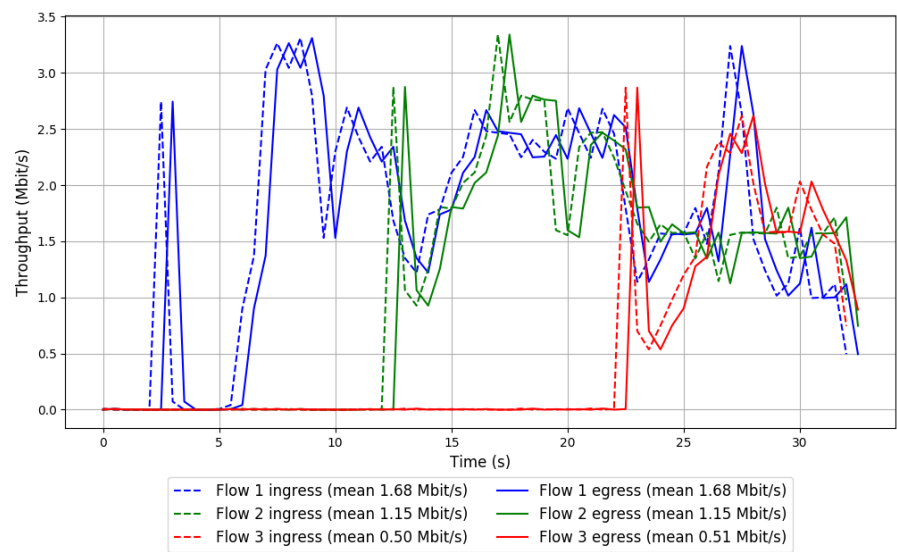


Run 8: Statistics of WebRTC media

Start at: 2018-07-04 14:11:23
End at: 2018-07-04 14:11:53
Local clock offset: 1.259 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-04 17:49:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.32 Mbit/s
95th percentile per-packet one-way delay: 1.211 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 1.68 Mbit/s
95th percentile per-packet one-way delay: 1.193 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.15 Mbit/s
95th percentile per-packet one-way delay: 1.222 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-04 14:38:24

End at: 2018-07-04 14:38:54

Local clock offset: -0.147 ms

Remote clock offset: 2.272 ms

Below is generated by plot.py at 2018-07-04 17:49:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.43 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.71 Mbit/s

95th percentile per-packet one-way delay: 1.055 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.21 Mbit/s

95th percentile per-packet one-way delay: 1.053 ms

Loss rate: 0.00%

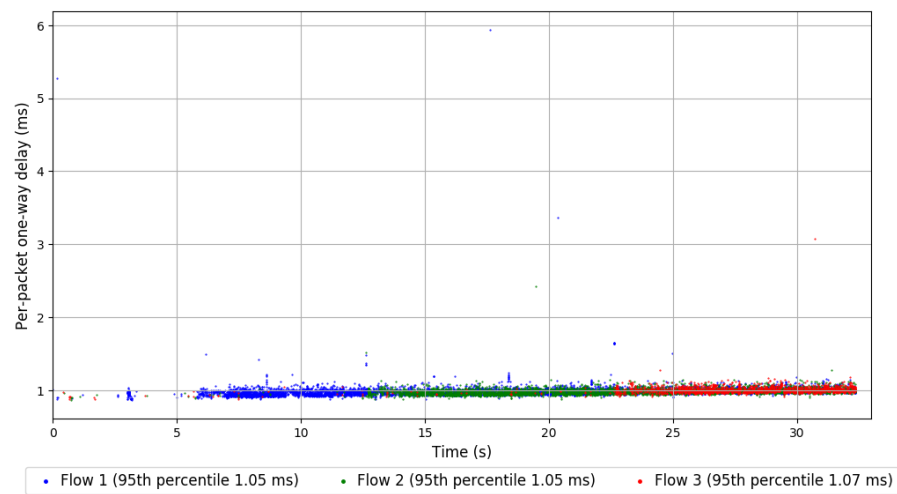
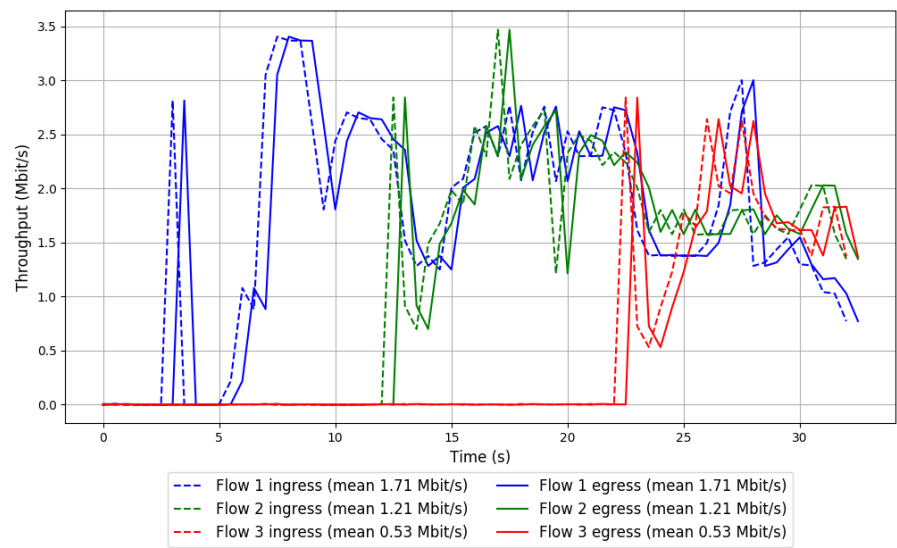
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 1.075 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-04 15:05:19

End at: 2018-07-04 15:05:49

Local clock offset: -0.019 ms

Remote clock offset: 3.673 ms

Below is generated by plot.py at 2018-07-04 17:49:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.35 Mbit/s

95th percentile per-packet one-way delay: 0.928 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 1.66 Mbit/s

95th percentile per-packet one-way delay: 0.943 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 1.19 Mbit/s

95th percentile per-packet one-way delay: 0.899 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 0.838 ms

Loss rate: 0.68%

Run 10: Report of WebRTC media — Data Link

