

Pantheon Report

Generated at 2018-06-29 23:01:01 (UTC).

Data path: GCE Tokyo Ethernet (*local*) → GCE London Ethernet (*remote*).

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.

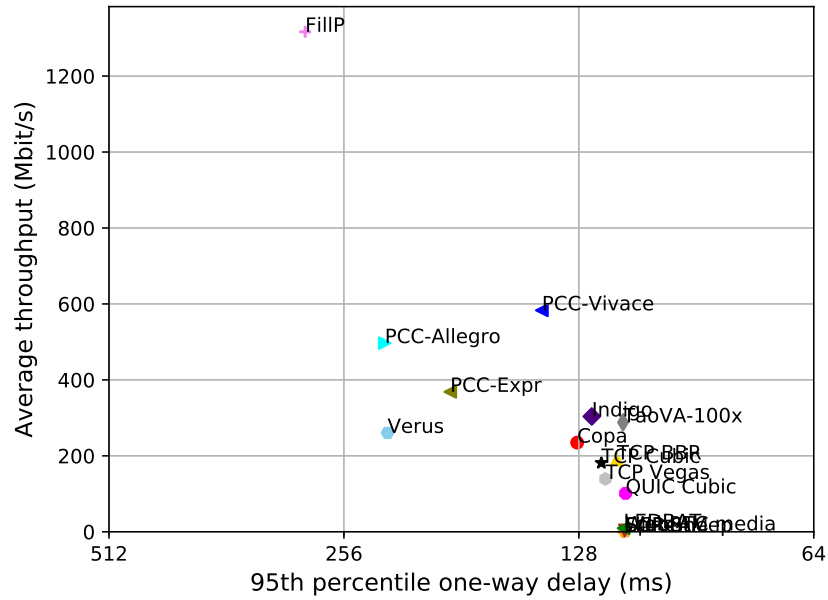
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

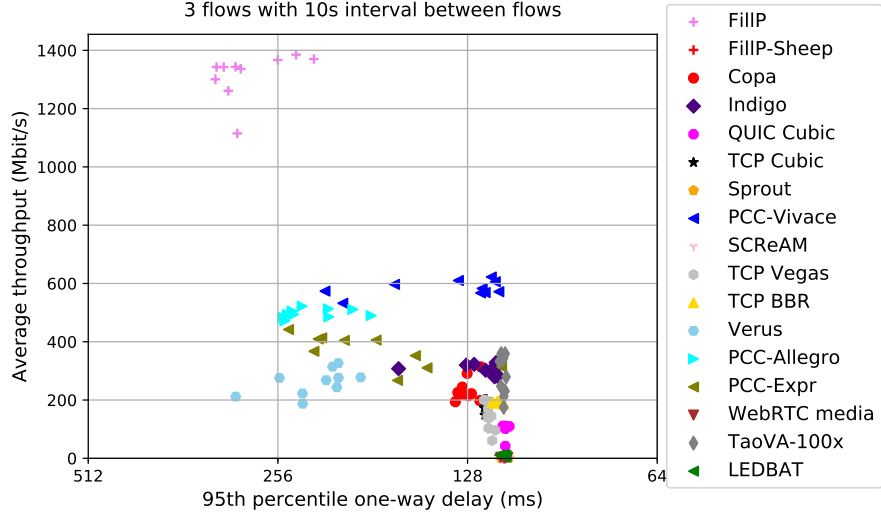
Git summary:

```
branch: master @ 715dc5f09d172e419699f6f17f1cb4c45064f212
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 30060ab034deb3424347f5cc3db86198eac35d2a
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-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 GCE Tokyo to GCE London, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from GCE Tokyo to GCE London, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows



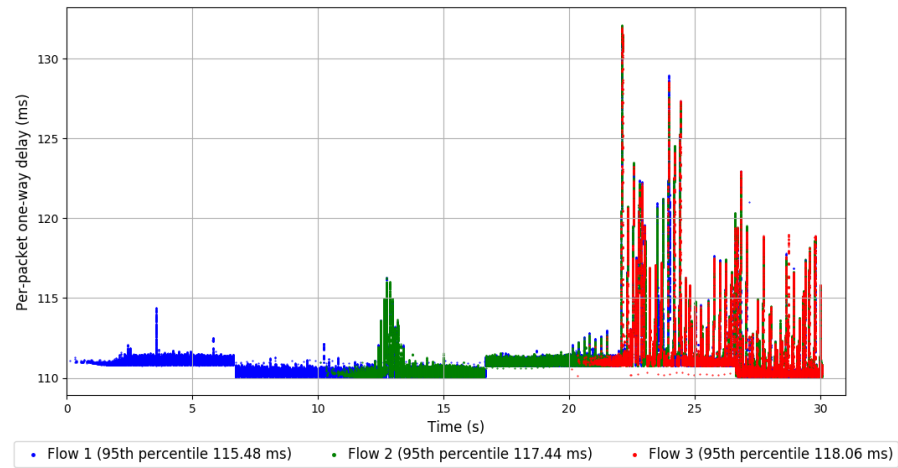
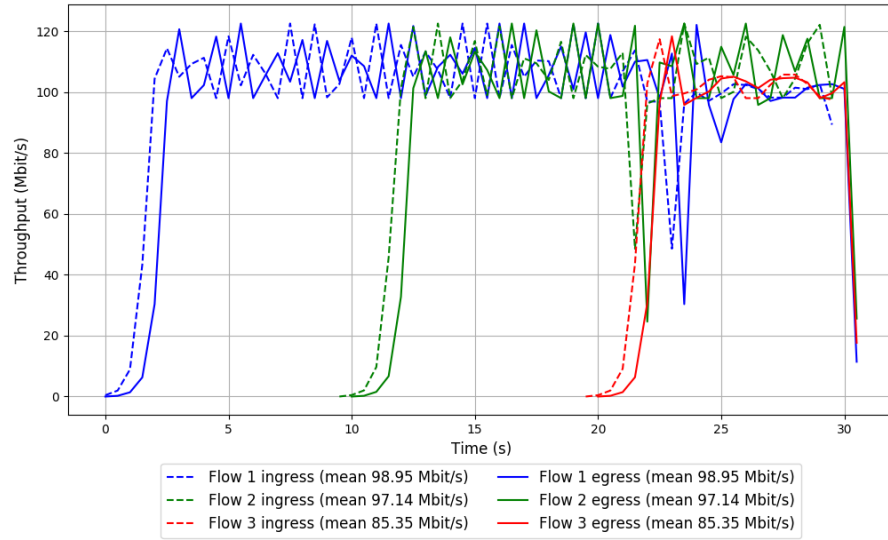
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	98.05	94.95	88.41	113.68	114.05	115.37	0.00	0.00	0.01
Copa	10	129.13	118.53	82.13	125.21	128.61	134.43	0.01	0.05	0.17
TCP Cubic	10	100.01	87.86	69.93	119.52	119.71	120.60	0.02	0.01	0.12
FillP	10	701.80	647.63	555.13	295.59	273.27	204.57	2.20	2.47	1.72
FillP-Sheep	10	0.00	0.00	0.00	111.77	112.05	111.91	0.00	0.00	0.00
Indigo	10	145.42	166.49	149.11	121.15	123.34	126.70	0.00	0.01	0.04
LEDBAT	10	6.28	3.94	2.21	112.20	112.08	111.92	0.00	0.00	0.00
PCC-Allegro	10	481.10	18.31	10.99	227.89	213.99	195.77	1.94	1.08	1.44
PCC-Expr	10	234.28	164.26	75.62	177.74	192.71	184.98	0.85	0.62	1.00
QUIC Cubic	10	53.08	54.33	37.61	111.31	111.31	111.51	0.00	0.00	0.00
SCReAM	10	0.22	0.22	0.21	111.16	111.23	111.36	0.00	0.00	0.00
Sprout	10	0.21	0.23	0.27	111.71	111.72	111.49	0.00	0.00	0.00
TaoVA-100x	10	156.85	160.12	76.77	112.07	112.18	114.56	0.00	0.00	0.00
TCP Vegas	10	83.21	60.35	48.17	117.86	116.83	117.43	0.00	0.03	0.16
Verus	10	168.37	117.69	44.37	212.39	221.52	237.76	0.73	1.39	1.19
PCC-Vivace	10	343.44	294.53	134.03	126.77	145.53	140.38	0.19	0.07	0.16
WebRTC media	10	1.92	1.18	0.41	111.54	111.27	111.71	0.00	0.00	0.08

Run 1: Statistics of TCP BBR

Start at: 2018-06-29 16:45:48
End at: 2018-06-29 16:46:18
Local clock offset: -0.494 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2018-06-29 21:11:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 192.03 Mbit/s
95th percentile per-packet one-way delay: 116.817 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 98.95 Mbit/s
95th percentile per-packet one-way delay: 115.484 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 117.442 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 85.35 Mbit/s
95th percentile per-packet one-way delay: 118.063 ms
Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-06-29 17:11:13

End at: 2018-06-29 17:11:43

Local clock offset: -1.547 ms

Remote clock offset: 0.113 ms

Below is generated by plot.py at 2018-06-29 21:11:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 191.78 Mbit/s

95th percentile per-packet one-way delay: 116.809 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 99.51 Mbit/s

95th percentile per-packet one-way delay: 116.097 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 94.15 Mbit/s

95th percentile per-packet one-way delay: 115.416 ms

Loss rate: 0.00%

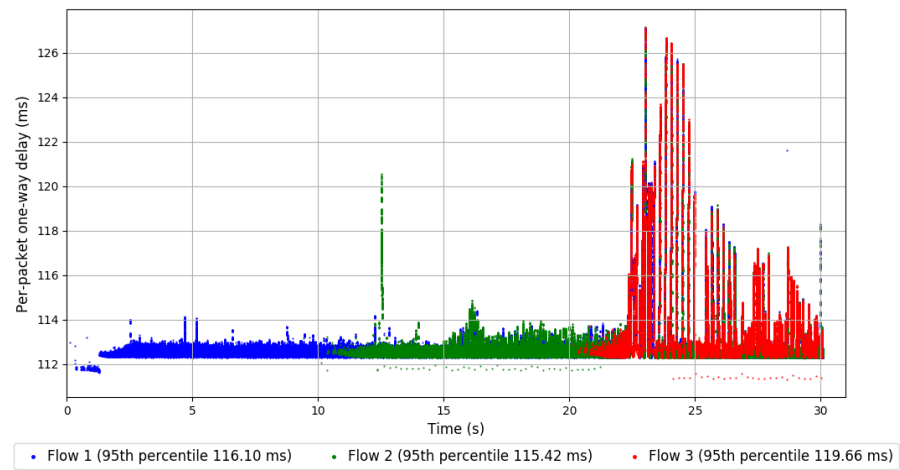
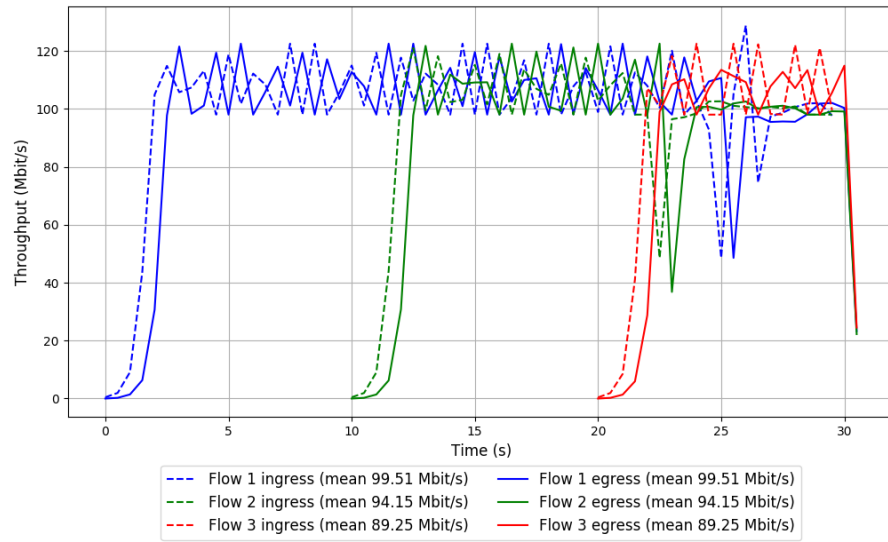
-- Flow 3:

Average throughput: 89.25 Mbit/s

95th percentile per-packet one-way delay: 119.660 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-06-29 17:36:51

End at: 2018-06-29 17:37:21

Local clock offset: 1.25 ms

Remote clock offset: 0.083 ms

Below is generated by plot.py at 2018-06-29 21:12:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 195.97 Mbit/s

95th percentile per-packet one-way delay: 114.711 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 102.12 Mbit/s

95th percentile per-packet one-way delay: 114.535 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 96.67 Mbit/s

95th percentile per-packet one-way delay: 110.210 ms

Loss rate: 0.00%

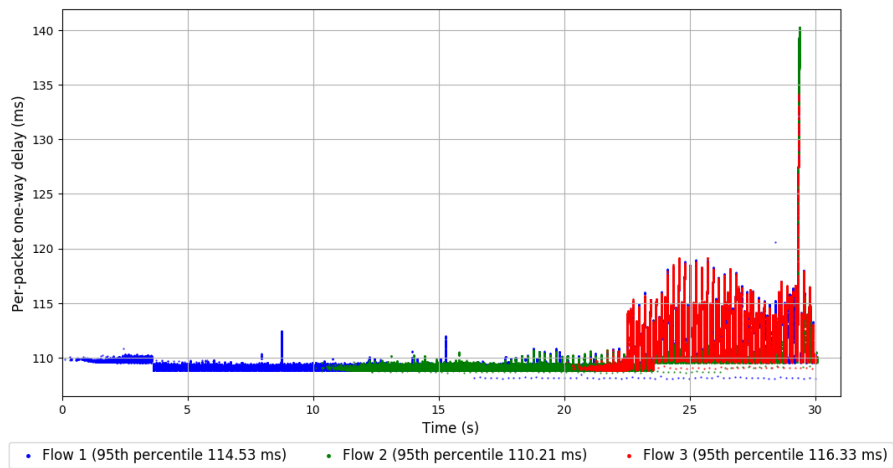
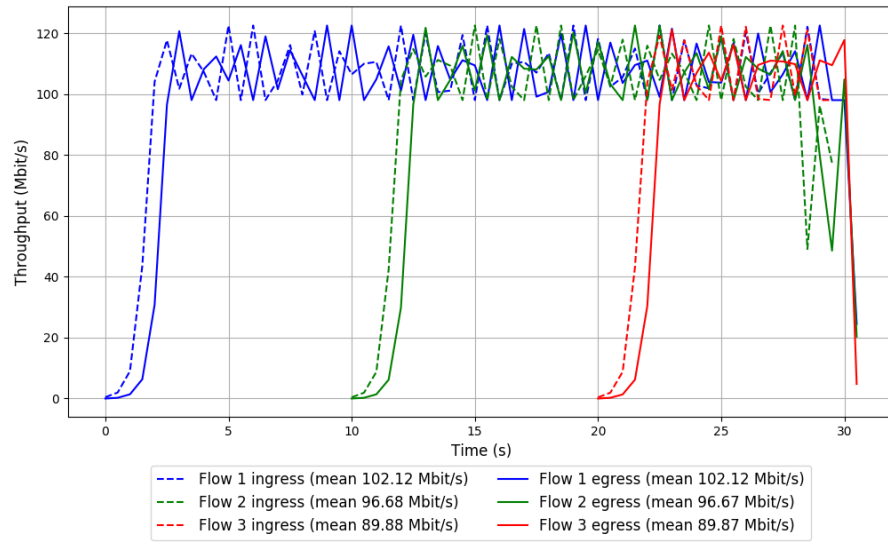
-- Flow 3:

Average throughput: 89.87 Mbit/s

95th percentile per-packet one-way delay: 116.333 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link

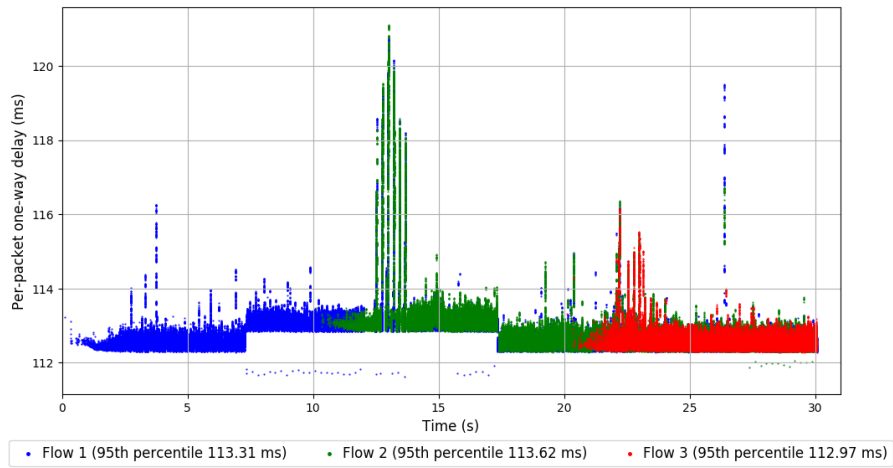
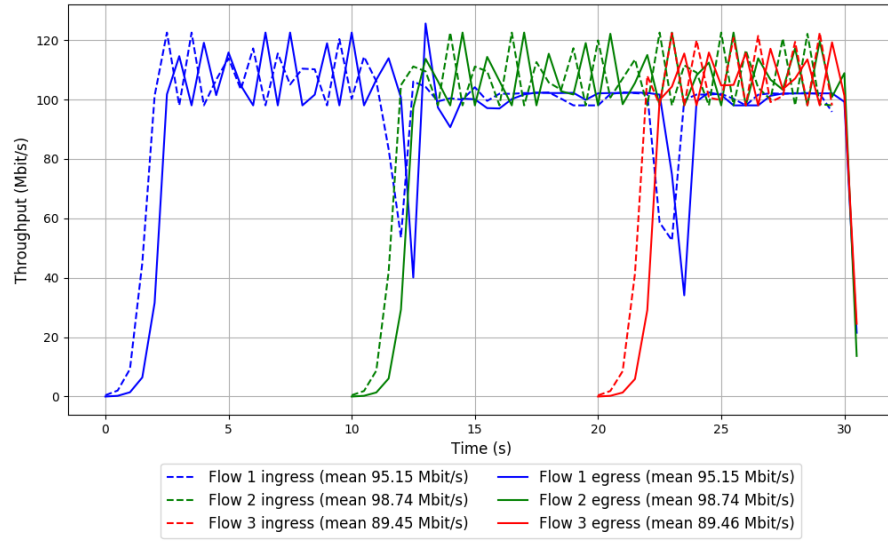


Run 4: Statistics of TCP BBR

Start at: 2018-06-29 18:02:27
End at: 2018-06-29 18:02:57
Local clock offset: -1.541 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-06-29 21:12:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 190.35 Mbit/s
95th percentile per-packet one-way delay: 113.362 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.15 Mbit/s
95th percentile per-packet one-way delay: 113.308 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 98.74 Mbit/s
95th percentile per-packet one-way delay: 113.620 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 89.46 Mbit/s
95th percentile per-packet one-way delay: 112.965 ms
Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link

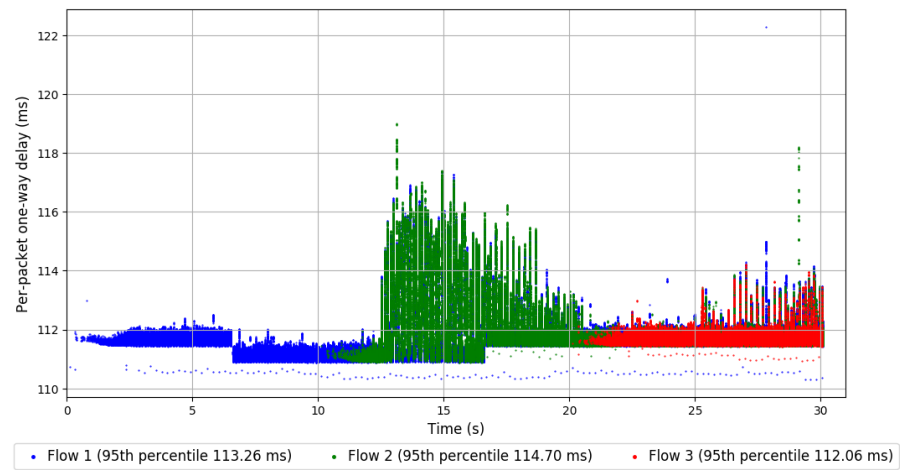
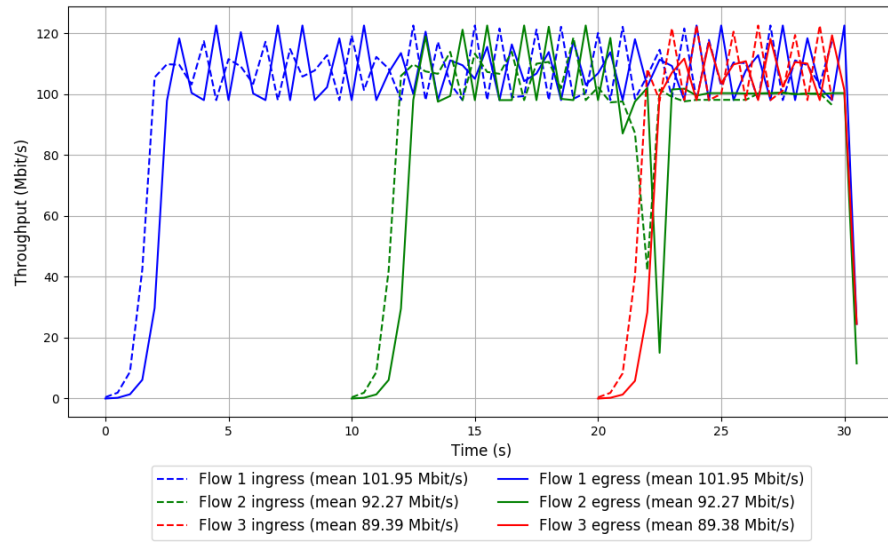


Run 5: Statistics of TCP BBR

Start at: 2018-06-29 18:27:48
End at: 2018-06-29 18:28:18
Local clock offset: -0.094 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-06-29 21:12:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 193.00 Mbit/s
95th percentile per-packet one-way delay: 113.804 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 101.95 Mbit/s
95th percentile per-packet one-way delay: 113.262 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 92.27 Mbit/s
95th percentile per-packet one-way delay: 114.696 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 89.38 Mbit/s
95th percentile per-packet one-way delay: 112.062 ms
Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-06-29 18:53:37

End at: 2018-06-29 18:54:07

Local clock offset: -0.0 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-06-29 21:12:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 190.73 Mbit/s

95th percentile per-packet one-way delay: 114.654 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 98.27 Mbit/s

95th percentile per-packet one-way delay: 113.218 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 94.42 Mbit/s

95th percentile per-packet one-way delay: 114.173 ms

Loss rate: 0.01%

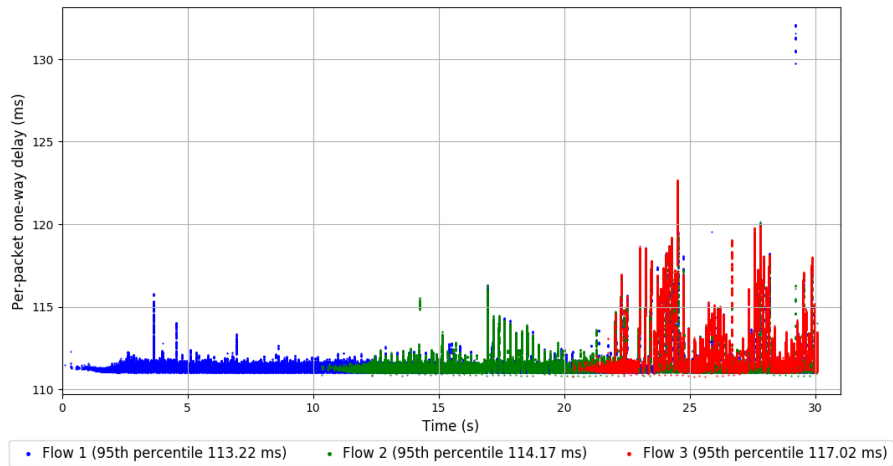
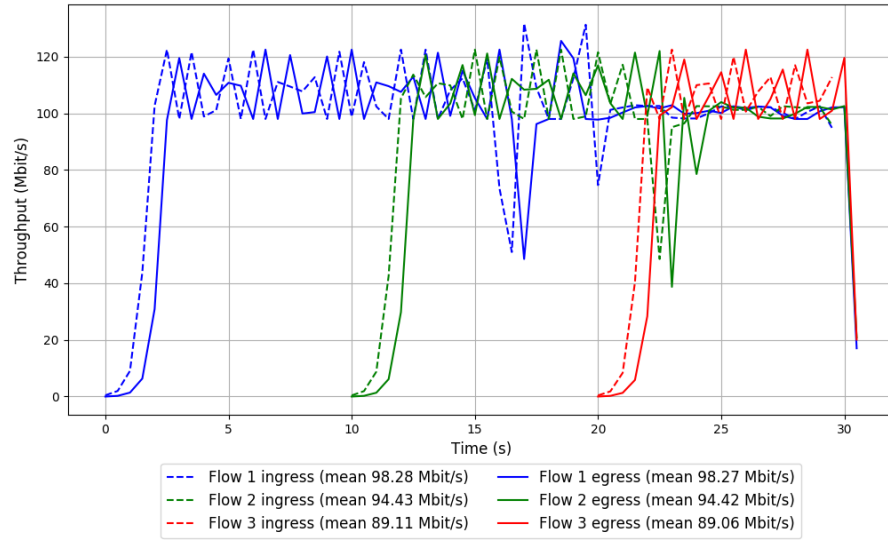
-- Flow 3:

Average throughput: 89.06 Mbit/s

95th percentile per-packet one-way delay: 117.023 ms

Loss rate: 0.06%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-06-29 19:19:06

End at: 2018-06-29 19:19:36

Local clock offset: -0.135 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-06-29 21:12:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 186.77 Mbit/s

95th percentile per-packet one-way delay: 112.212 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 112.090 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 94.14 Mbit/s

95th percentile per-packet one-way delay: 112.562 ms

Loss rate: 0.00%

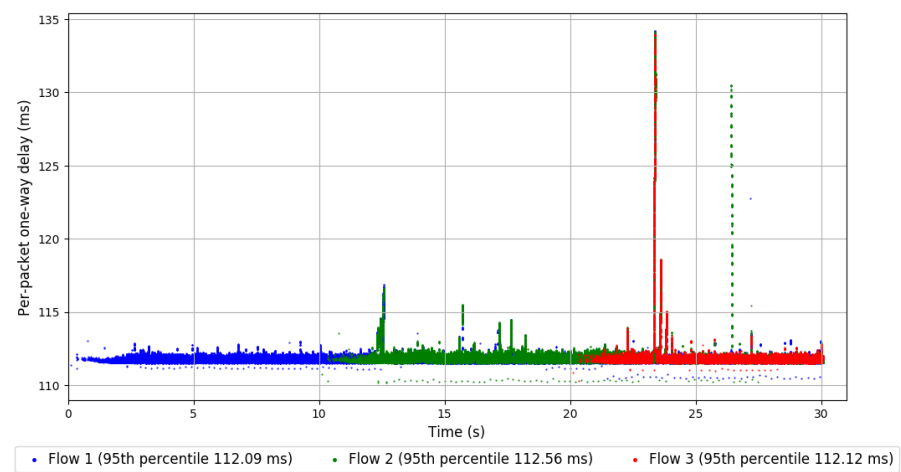
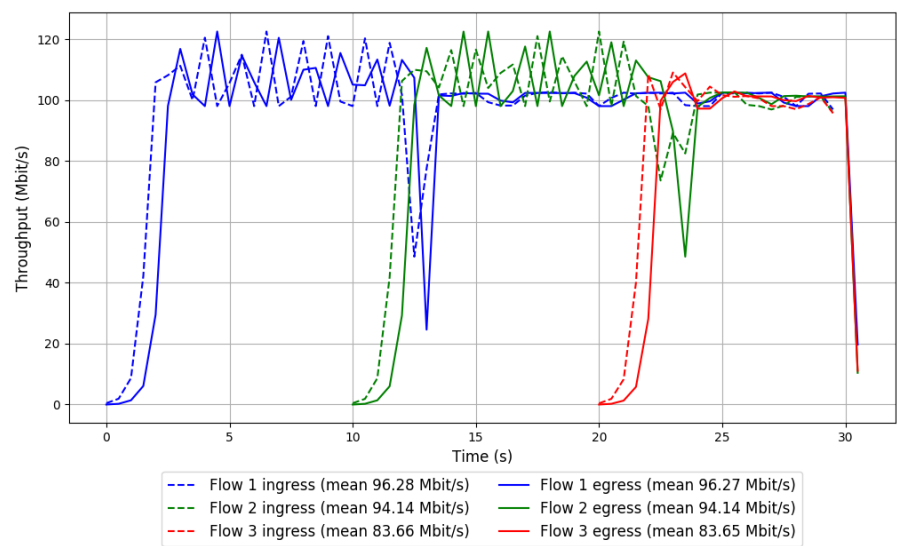
-- Flow 3:

Average throughput: 83.65 Mbit/s

95th percentile per-packet one-way delay: 112.119 ms

Loss rate: 0.02%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-06-29 19:44:54

End at: 2018-06-29 19:45:24

Local clock offset: 1.372 ms

Remote clock offset: 0.407 ms

Below is generated by plot.py at 2018-06-29 21:12:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 186.02 Mbit/s

95th percentile per-packet one-way delay: 112.163 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 93.71 Mbit/s

95th percentile per-packet one-way delay: 111.169 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 94.13 Mbit/s

95th percentile per-packet one-way delay: 112.428 ms

Loss rate: 0.00%

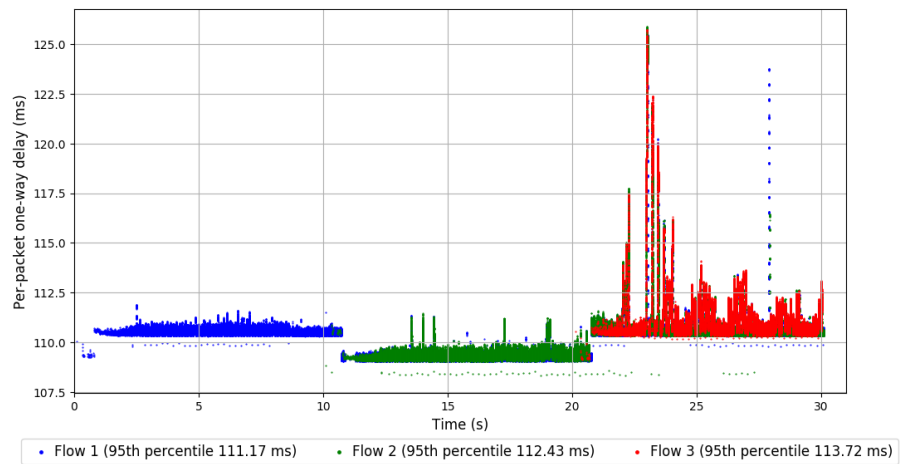
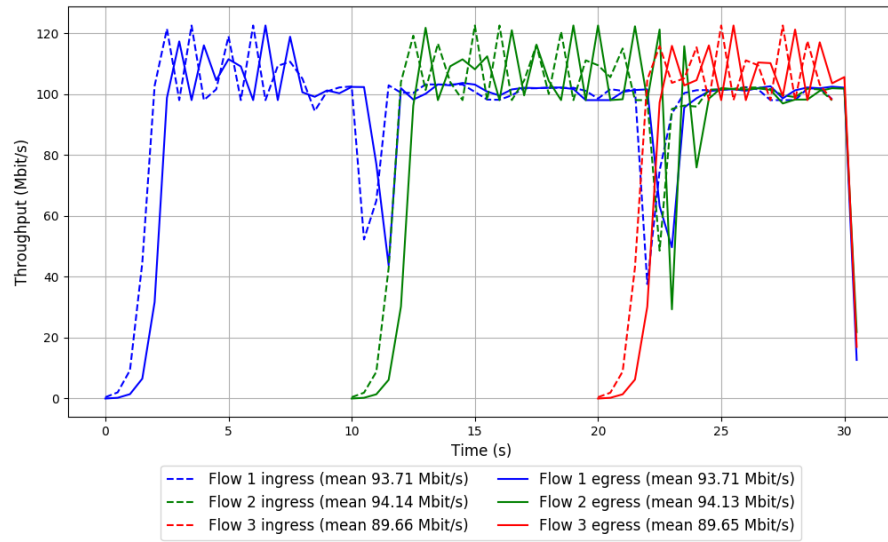
-- Flow 3:

Average throughput: 89.65 Mbit/s

95th percentile per-packet one-way delay: 113.723 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-06-29 20:10:47

End at: 2018-06-29 20:11:17

Local clock offset: -0.21 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-06-29 21:14:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 189.24 Mbit/s

95th percentile per-packet one-way delay: 113.414 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 96.71 Mbit/s

95th percentile per-packet one-way delay: 112.294 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 94.62 Mbit/s

95th percentile per-packet one-way delay: 113.346 ms

Loss rate: 0.00%

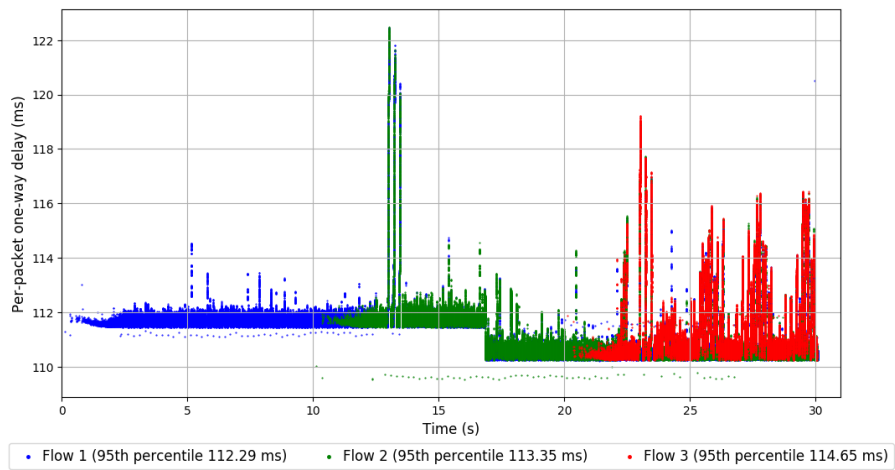
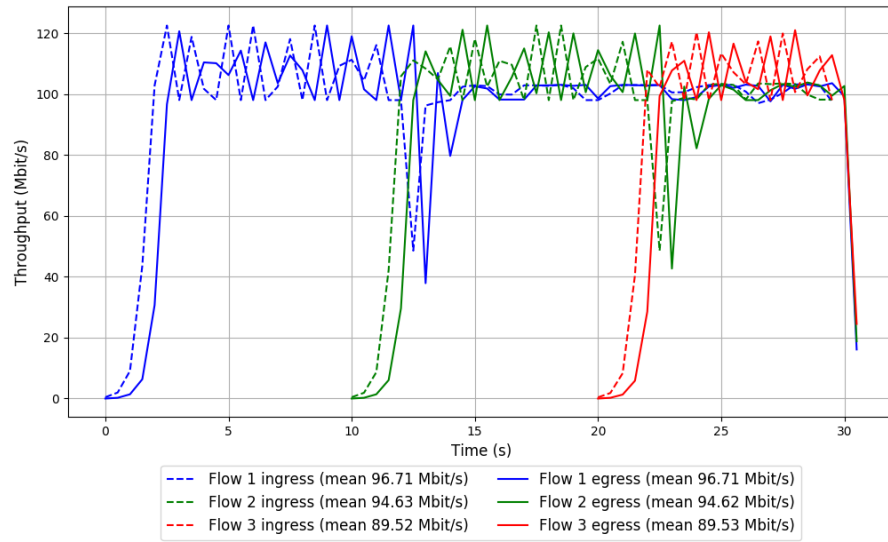
-- Flow 3:

Average throughput: 89.53 Mbit/s

95th percentile per-packet one-way delay: 114.651 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-06-29 20:36:21

End at: 2018-06-29 20:36:51

Local clock offset: 0.055 ms

Remote clock offset: 0.111 ms

Below is generated by plot.py at 2018-06-29 21:14:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 189.46 Mbit/s

95th percentile per-packet one-way delay: 116.241 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 97.82 Mbit/s

95th percentile per-packet one-way delay: 115.374 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 93.20 Mbit/s

95th percentile per-packet one-way delay: 116.656 ms

Loss rate: 0.00%

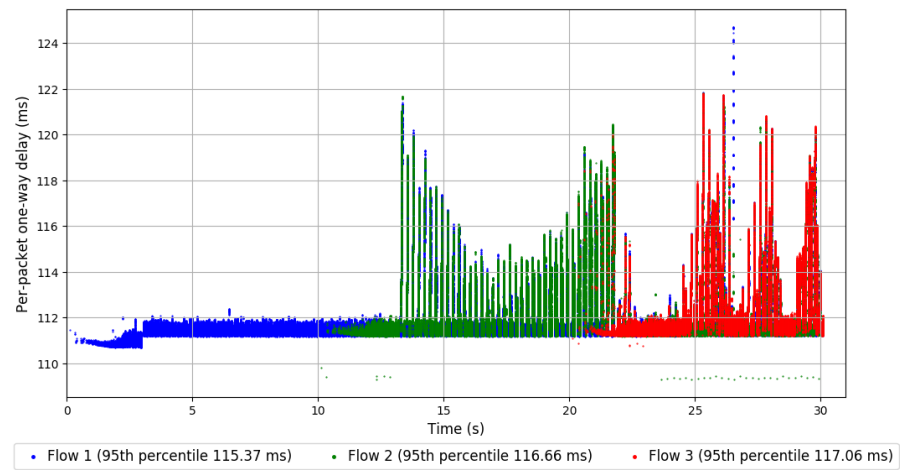
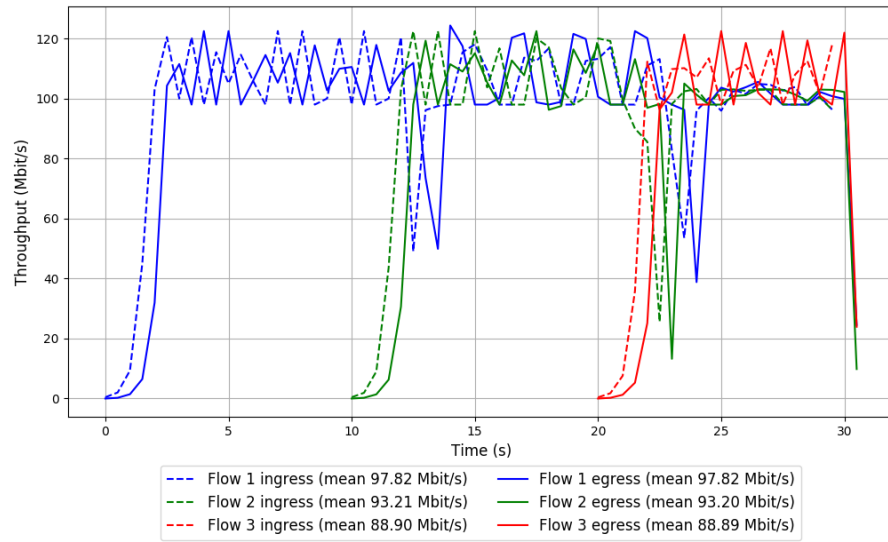
-- Flow 3:

Average throughput: 88.89 Mbit/s

95th percentile per-packet one-way delay: 117.064 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-06-29 16:55:29

End at: 2018-06-29 16:55:59

Local clock offset: -1.452 ms

Remote clock offset: 0.125 ms

Below is generated by plot.py at 2018-06-29 21:17:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 194.14 Mbit/s

95th percentile per-packet one-way delay: 133.840 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 142.08 Mbit/s

95th percentile per-packet one-way delay: 130.676 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 45.55 Mbit/s

95th percentile per-packet one-way delay: 138.039 ms

Loss rate: 0.00%

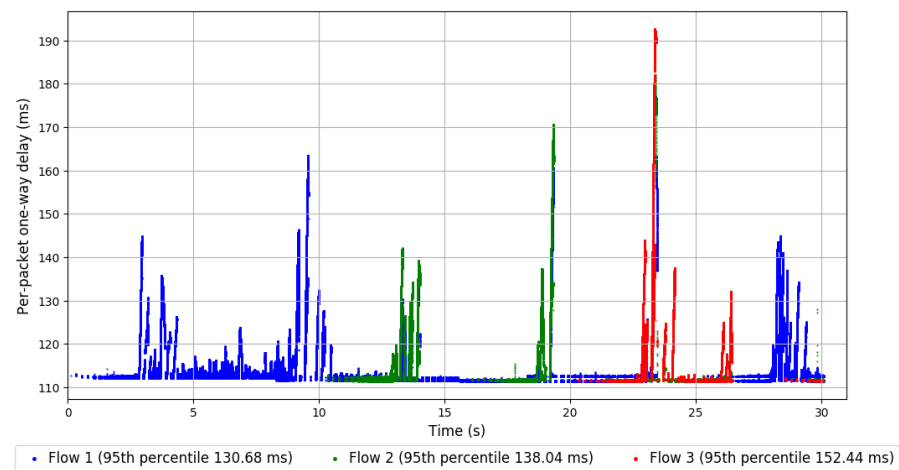
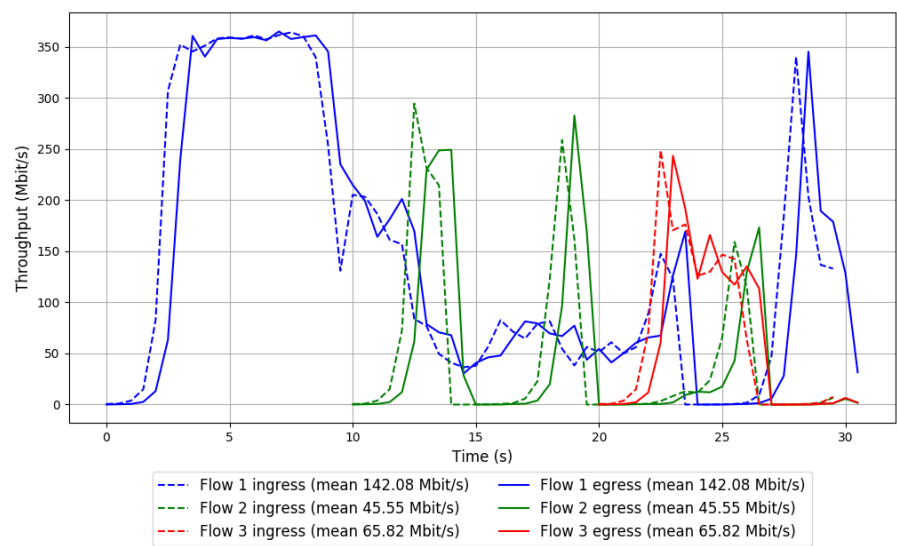
-- Flow 3:

Average throughput: 65.82 Mbit/s

95th percentile per-packet one-way delay: 152.438 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link

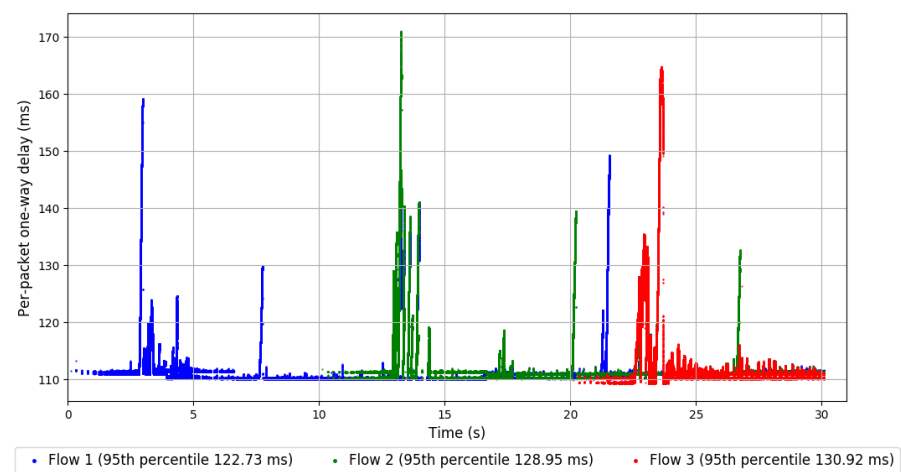
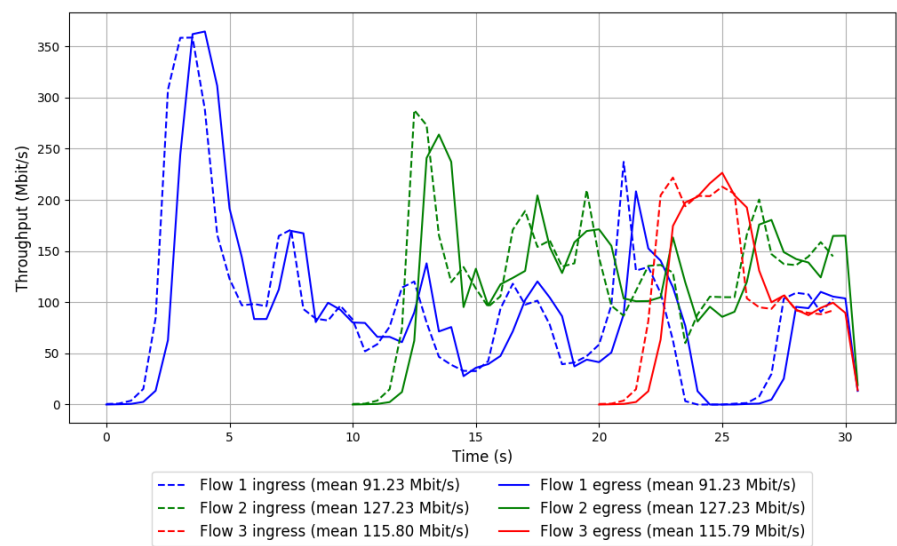


Run 2: Statistics of Copa

Start at: 2018-06-29 17:21:10
End at: 2018-06-29 17:21:40
Local clock offset: -0.086 ms
Remote clock offset: 0.146 ms

Below is generated by plot.py at 2018-06-29 21:17:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 214.48 Mbit/s
95th percentile per-packet one-way delay: 127.599 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.23 Mbit/s
95th percentile per-packet one-way delay: 122.735 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 127.23 Mbit/s
95th percentile per-packet one-way delay: 128.954 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 115.79 Mbit/s
95th percentile per-packet one-way delay: 130.923 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-06-29 17:46:55

End at: 2018-06-29 17:47:25

Local clock offset: -1.389 ms

Remote clock offset: 0.378 ms

Below is generated by plot.py at 2018-06-29 21:18:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 226.04 Mbit/s

95th percentile per-packet one-way delay: 132.578 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 149.62 Mbit/s

95th percentile per-packet one-way delay: 137.868 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 95.83 Mbit/s

95th percentile per-packet one-way delay: 121.596 ms

Loss rate: 0.00%

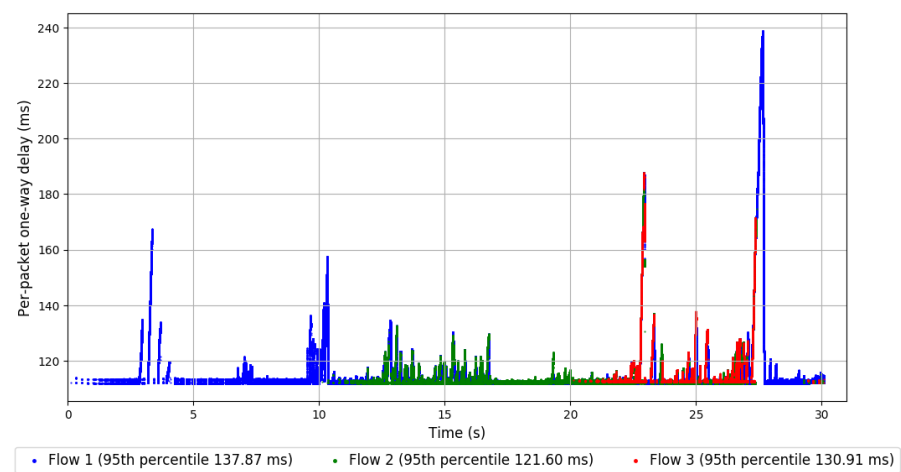
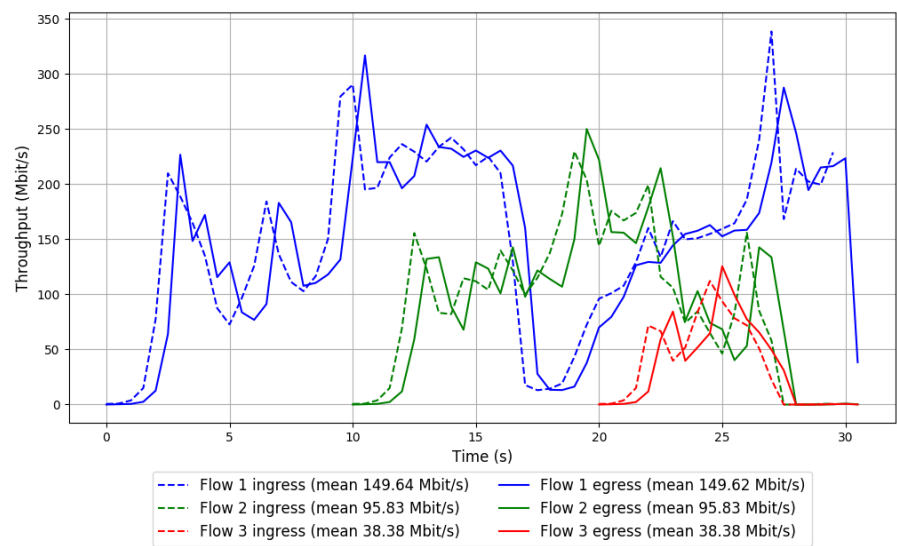
-- Flow 3:

Average throughput: 38.38 Mbit/s

95th percentile per-packet one-way delay: 130.914 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link

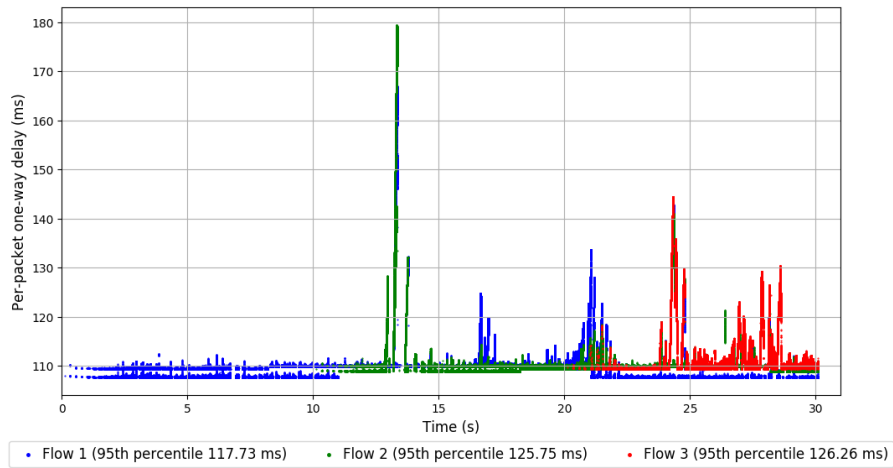
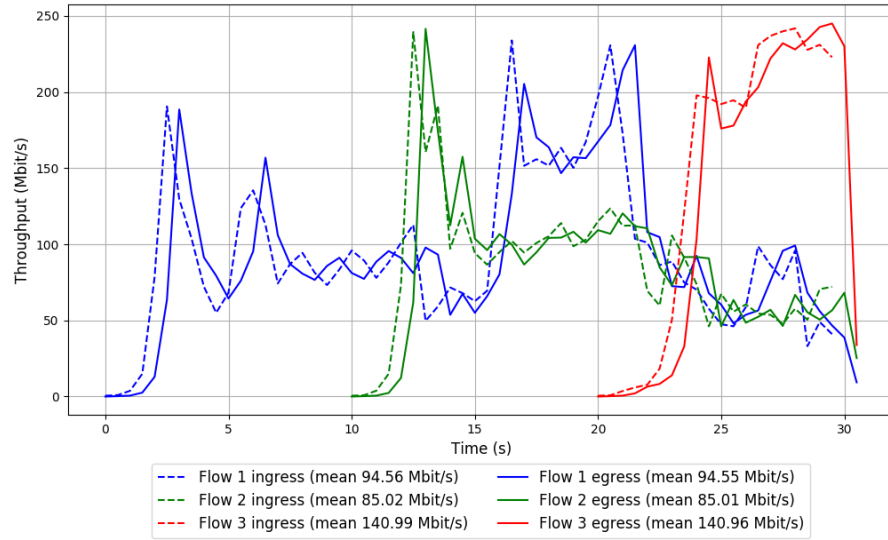


Run 4: Statistics of Copa

Start at: 2018-06-29 18:12:06
End at: 2018-06-29 18:12:36
Local clock offset: 1.46 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-06-29 21:18:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 198.03 Mbit/s
95th percentile per-packet one-way delay: 122.380 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.55 Mbit/s
95th percentile per-packet one-way delay: 117.732 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 85.01 Mbit/s
95th percentile per-packet one-way delay: 125.752 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 140.96 Mbit/s
95th percentile per-packet one-way delay: 126.262 ms
Loss rate: 0.01%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-06-29 18:37:51

End at: 2018-06-29 18:38:21

Local clock offset: 1.229 ms

Remote clock offset: 0.388 ms

Below is generated by plot.py at 2018-06-29 21:18:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 225.25 Mbit/s

95th percentile per-packet one-way delay: 132.453 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 122.93 Mbit/s

95th percentile per-packet one-way delay: 124.671 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 131.75 Mbit/s

95th percentile per-packet one-way delay: 139.506 ms

Loss rate: 0.16%

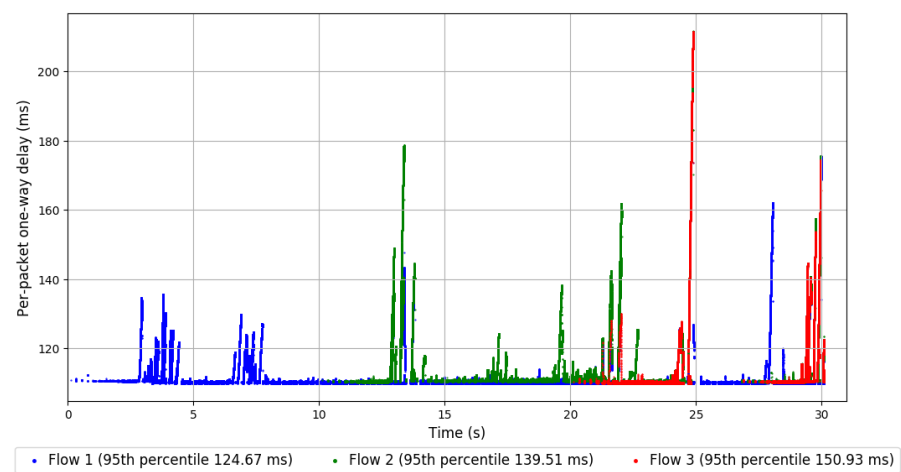
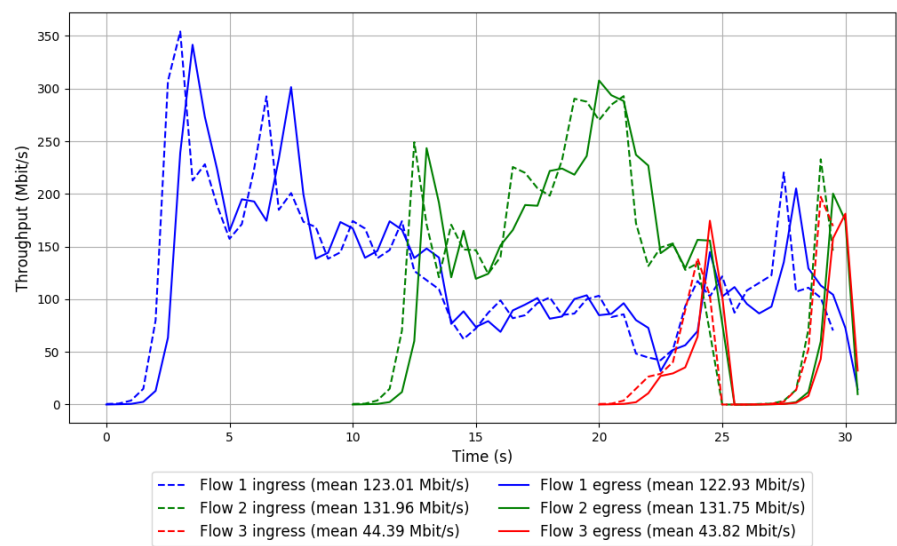
-- Flow 3:

Average throughput: 43.82 Mbit/s

95th percentile per-packet one-way delay: 150.932 ms

Loss rate: 1.28%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-06-29 19:03:27

End at: 2018-06-29 19:03:57

Local clock offset: 0.036 ms

Remote clock offset: 0.43 ms

Below is generated by plot.py at 2018-06-29 21:18:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 219.05 Mbit/s

95th percentile per-packet one-way delay: 130.736 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 93.68 Mbit/s

95th percentile per-packet one-way delay: 120.416 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 144.13 Mbit/s

95th percentile per-packet one-way delay: 136.312 ms

Loss rate: 0.27%

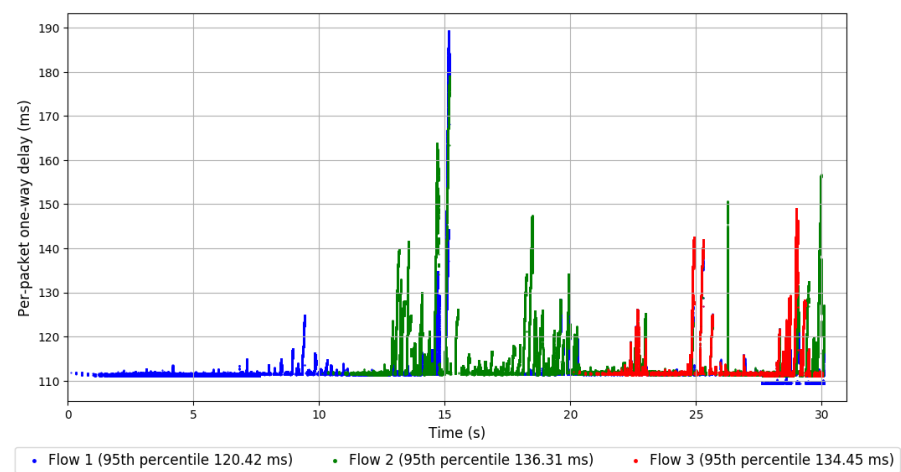
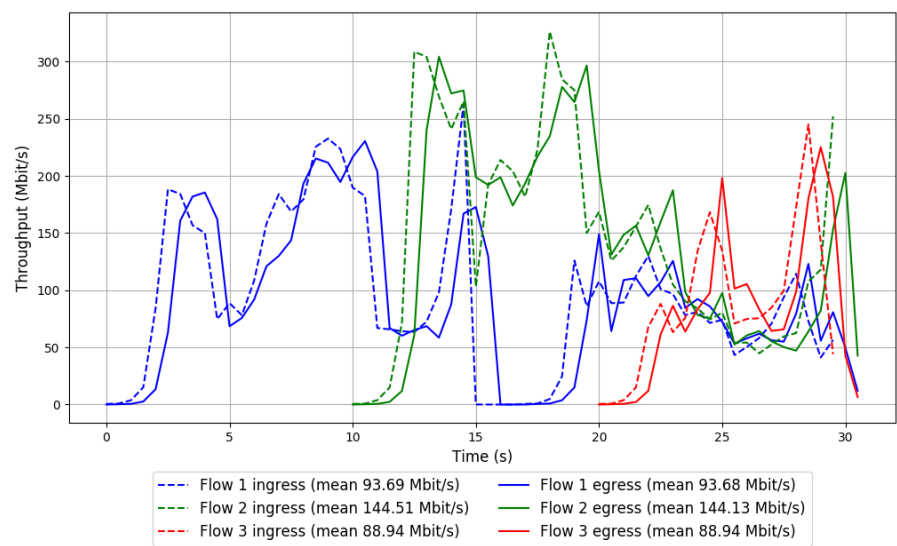
-- Flow 3:

Average throughput: 88.94 Mbit/s

95th percentile per-packet one-way delay: 134.447 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link

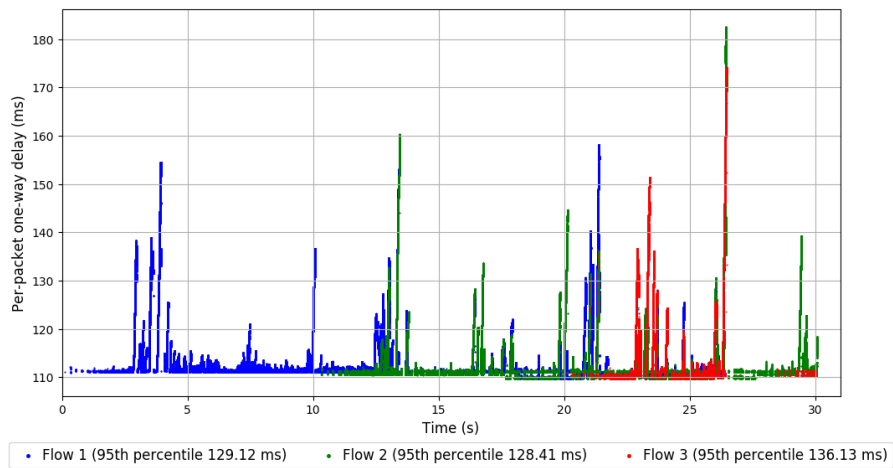
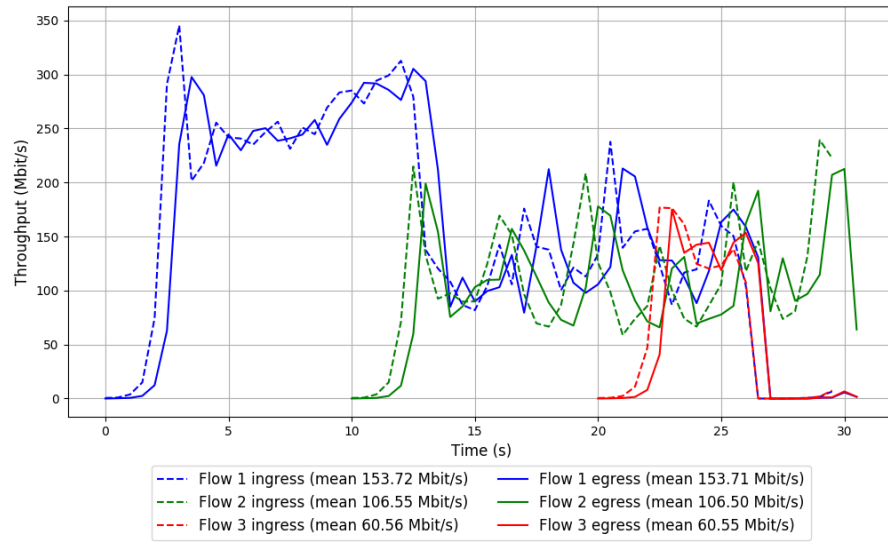


Run 7: Statistics of Copa

Start at: 2018-06-29 19:29:07
End at: 2018-06-29 19:29:37
Local clock offset: -0.091 ms
Remote clock offset: -0.372 ms

Below is generated by plot.py at 2018-06-29 21:21:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 244.41 Mbit/s
95th percentile per-packet one-way delay: 130.469 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 153.71 Mbit/s
95th percentile per-packet one-way delay: 129.116 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 106.50 Mbit/s
95th percentile per-packet one-way delay: 128.407 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 60.55 Mbit/s
95th percentile per-packet one-way delay: 136.127 ms
Loss rate: 0.01%

Run 7: Report of Copa — Data Link

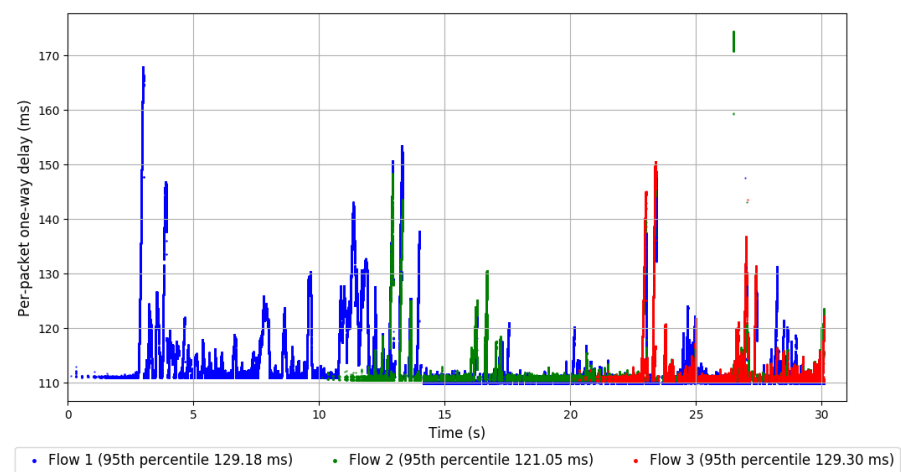
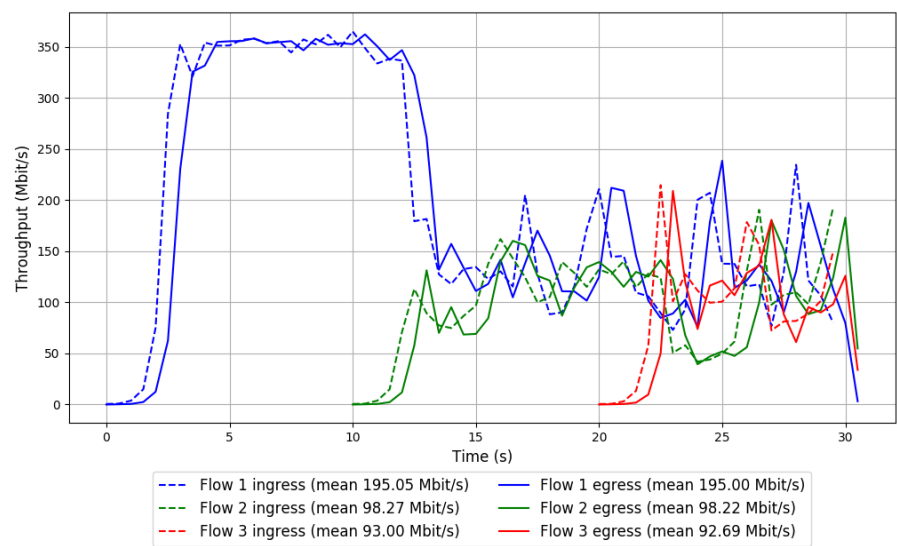


Run 8: Statistics of Copa

Start at: 2018-06-29 19:54:53
End at: 2018-06-29 19:55:23
Local clock offset: -0.048 ms
Remote clock offset: -0.37 ms

Below is generated by plot.py at 2018-06-29 21:23:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 291.20 Mbit/s
95th percentile per-packet one-way delay: 128.183 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 195.00 Mbit/s
95th percentile per-packet one-way delay: 129.175 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 98.22 Mbit/s
95th percentile per-packet one-way delay: 121.045 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 92.69 Mbit/s
95th percentile per-packet one-way delay: 129.303 ms
Loss rate: 0.33%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-06-29 20:20:34

End at: 2018-06-29 20:21:04

Local clock offset: -1.492 ms

Remote clock offset: 0.087 ms

Below is generated by plot.py at 2018-06-29 21:23:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 221.70 Mbit/s

95th percentile per-packet one-way delay: 126.200 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 107.38 Mbit/s

95th percentile per-packet one-way delay: 119.834 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 106.01 Mbit/s

95th percentile per-packet one-way delay: 123.451 ms

Loss rate: 0.00%

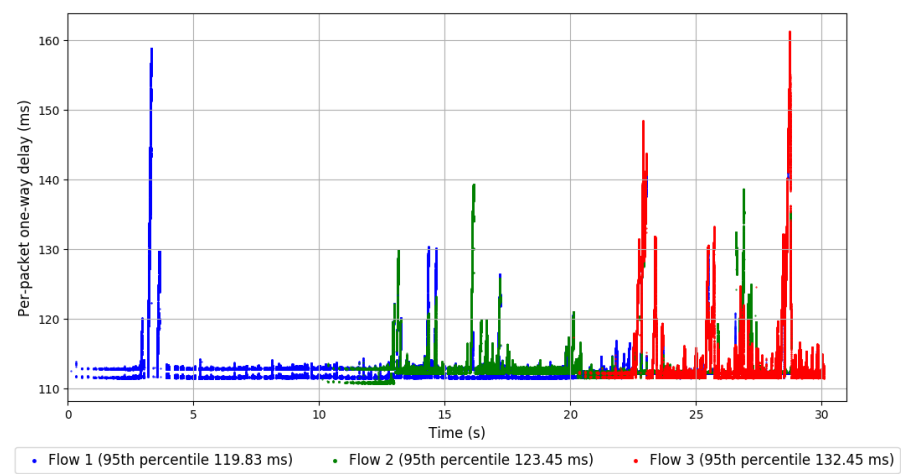
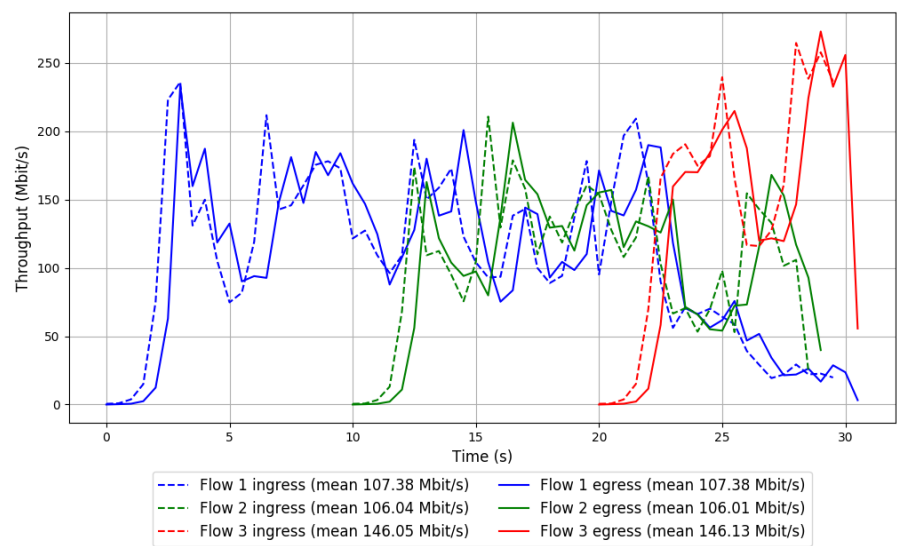
-- Flow 3:

Average throughput: 146.13 Mbit/s

95th percentile per-packet one-way delay: 132.452 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link

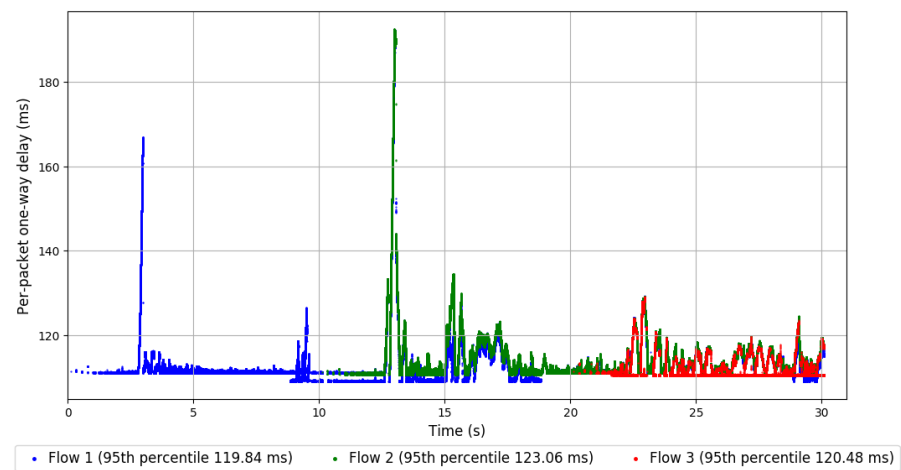
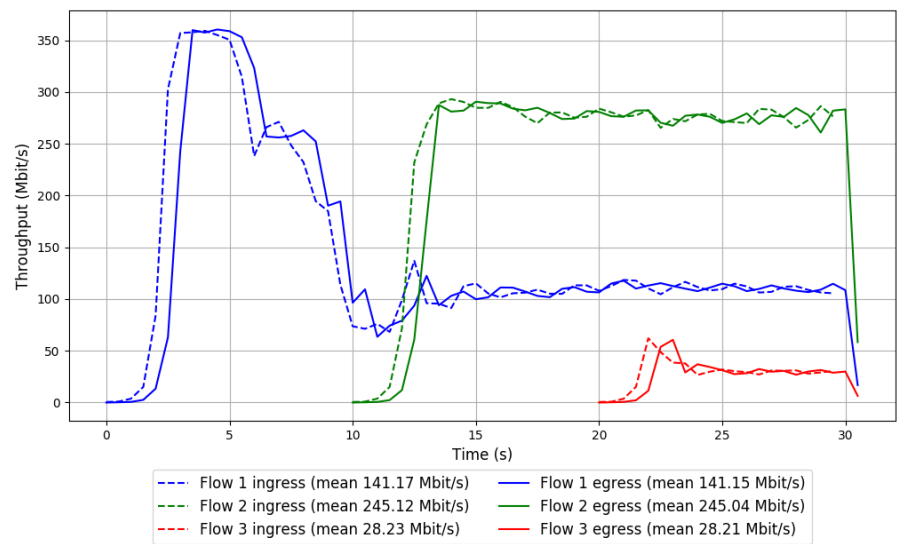


Run 10: Statistics of Copa

Start at: 2018-06-29 20:45:55
End at: 2018-06-29 20:46:25
Local clock offset: -0.156 ms
Remote clock offset: -0.247 ms

Below is generated by plot.py at 2018-06-29 21:26:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 313.82 Mbit/s
95th percentile per-packet one-way delay: 121.894 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 141.15 Mbit/s
95th percentile per-packet one-way delay: 119.841 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 245.04 Mbit/s
95th percentile per-packet one-way delay: 123.057 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 28.21 Mbit/s
95th percentile per-packet one-way delay: 120.483 ms
Loss rate: 0.06%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-06-29 16:52:13

End at: 2018-06-29 16:52:43

Local clock offset: -0.121 ms

Remote clock offset: 0.106 ms

Below is generated by plot.py at 2018-06-29 21:26:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 201.84 Mbit/s

95th percentile per-packet one-way delay: 119.339 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 104.11 Mbit/s

95th percentile per-packet one-way delay: 119.318 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 101.33 Mbit/s

95th percentile per-packet one-way delay: 119.719 ms

Loss rate: 0.05%

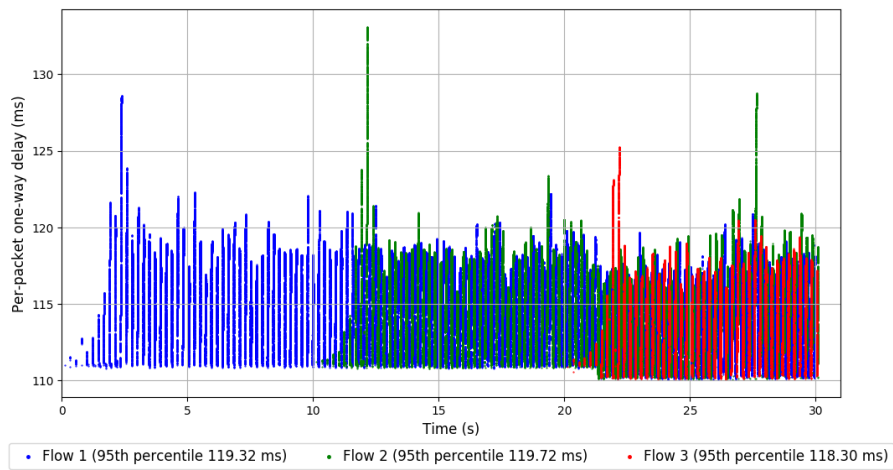
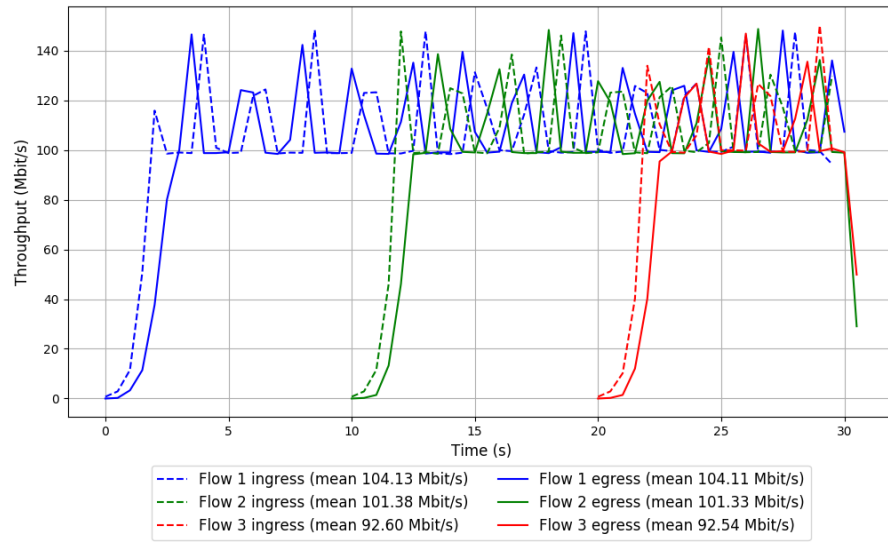
-- Flow 3:

Average throughput: 92.54 Mbit/s

95th percentile per-packet one-way delay: 118.298 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-06-29 17:18:02

End at: 2018-06-29 17:18:32

Local clock offset: -0.156 ms

Remote clock offset: 0.543 ms

Below is generated by plot.py at 2018-06-29 21:26:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 194.18 Mbit/s

95th percentile per-packet one-way delay: 120.285 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 104.33 Mbit/s

95th percentile per-packet one-way delay: 120.229 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 100.86 Mbit/s

95th percentile per-packet one-way delay: 120.216 ms

Loss rate: 0.00%

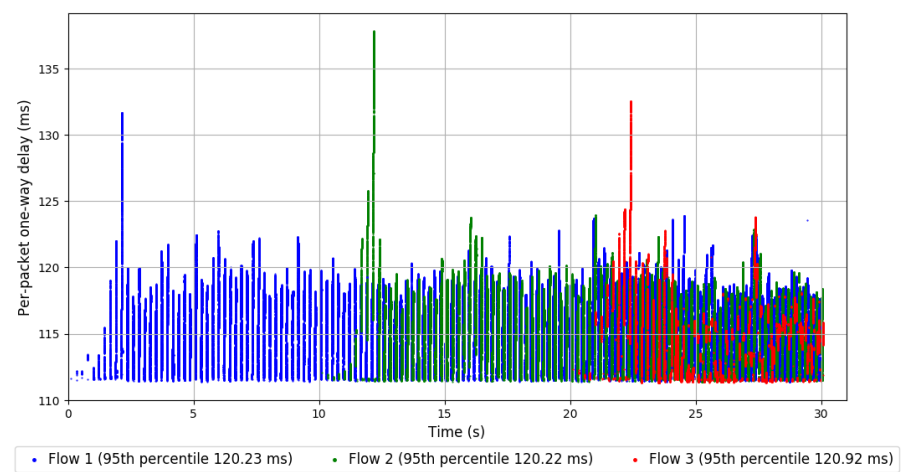
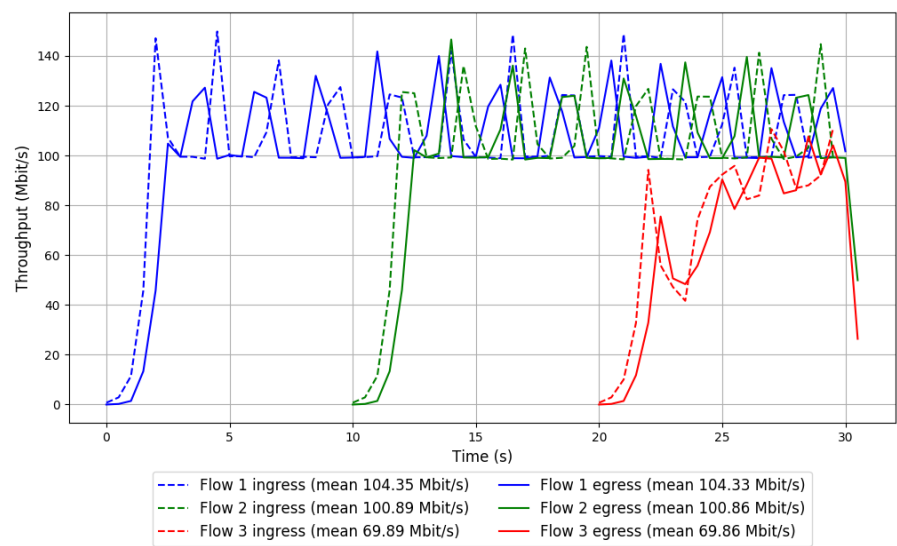
-- Flow 3:

Average throughput: 69.86 Mbit/s

95th percentile per-packet one-way delay: 120.918 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

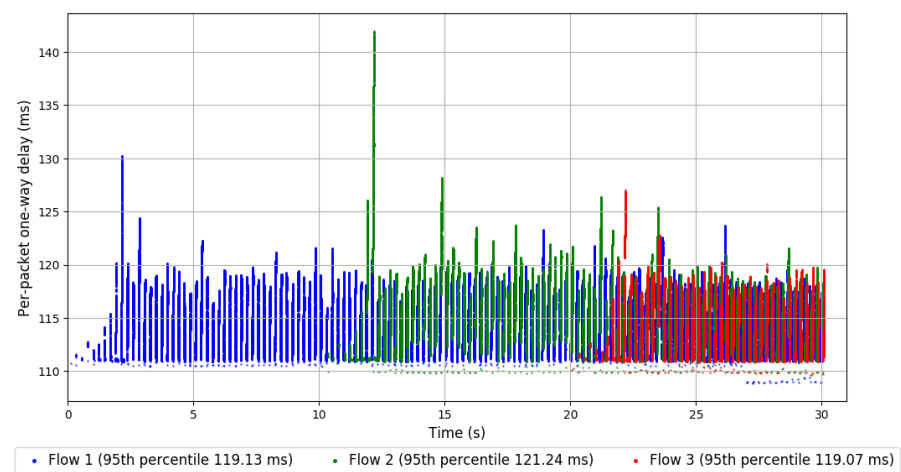
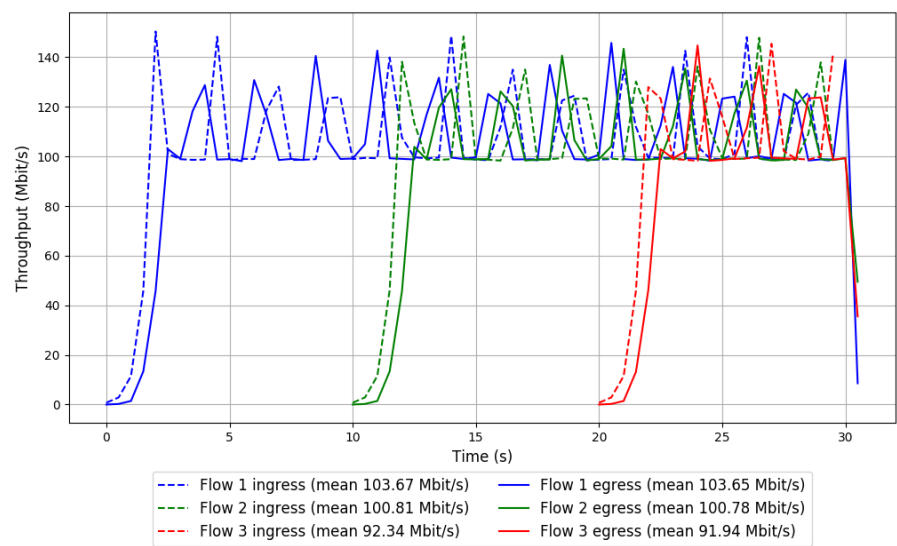


Run 3: Statistics of TCP Cubic

Start at: 2018-06-29 17:43:37
End at: 2018-06-29 17:44:07
Local clock offset: 0.12 ms
Remote clock offset: -0.342 ms

Below is generated by plot.py at 2018-06-29 21:26:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 200.89 Mbit/s
95th percentile per-packet one-way delay: 119.913 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 103.65 Mbit/s
95th percentile per-packet one-way delay: 119.126 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 100.78 Mbit/s
95th percentile per-packet one-way delay: 121.238 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 91.94 Mbit/s
95th percentile per-packet one-way delay: 119.074 ms
Loss rate: 0.43%

Run 3: Report of TCP Cubic — Data Link

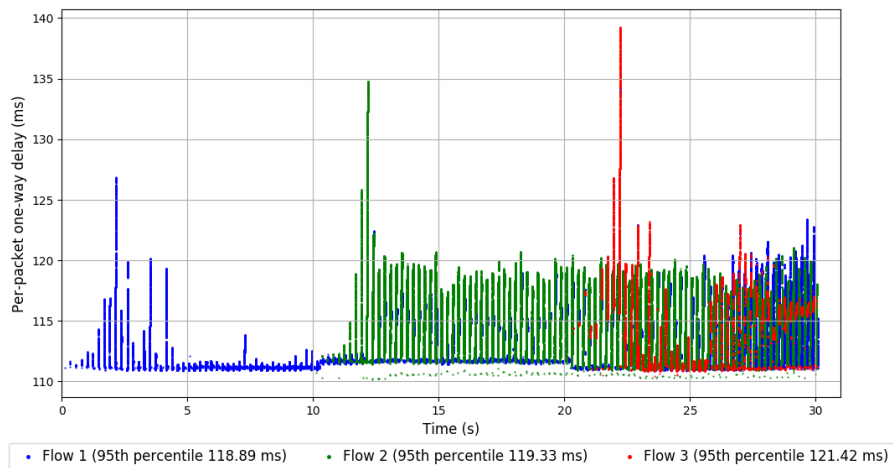
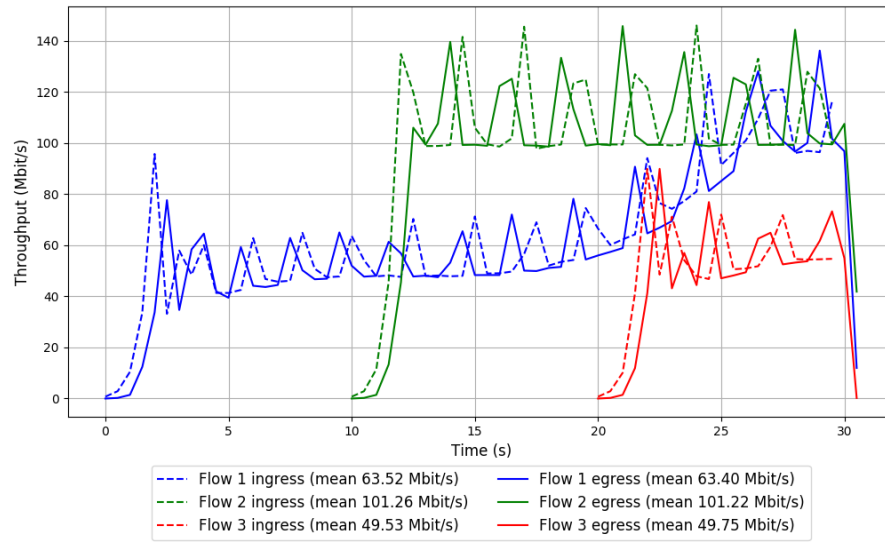


Run 4: Statistics of TCP Cubic

Start at: 2018-06-29 18:09:04
End at: 2018-06-29 18:09:34
Local clock offset: -0.047 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-06-29 21:26:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 147.11 Mbit/s
95th percentile per-packet one-way delay: 119.380 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 63.40 Mbit/s
95th percentile per-packet one-way delay: 118.888 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 101.22 Mbit/s
95th percentile per-packet one-way delay: 119.331 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.75 Mbit/s
95th percentile per-packet one-way delay: 121.415 ms
Loss rate: 0.01%

Run 4: Report of TCP Cubic — Data Link

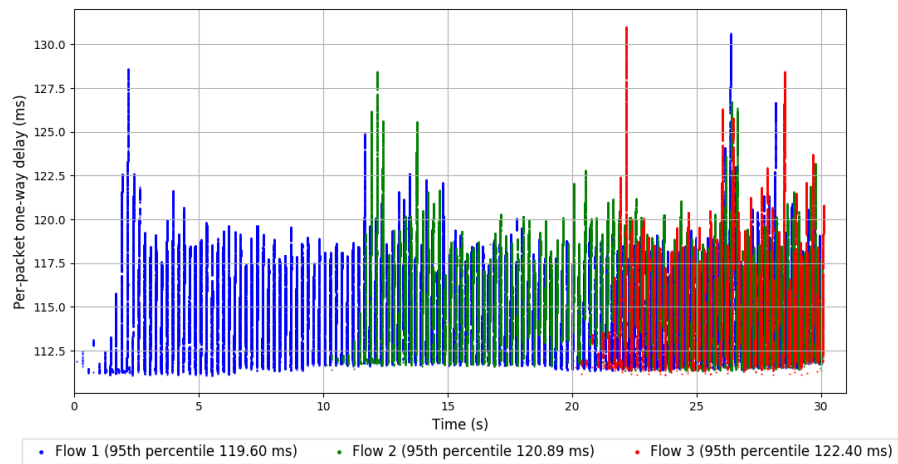
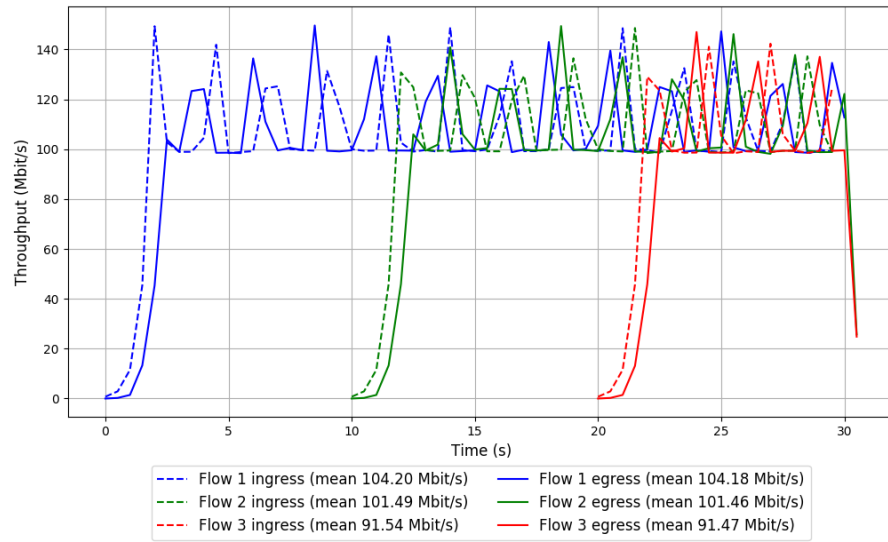


Run 5: Statistics of TCP Cubic

Start at: 2018-06-29 18:34:35
End at: 2018-06-29 18:35:05
Local clock offset: -0.245 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-06-29 21:26:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 201.48 Mbit/s
95th percentile per-packet one-way delay: 120.483 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 104.18 Mbit/s
95th percentile per-packet one-way delay: 119.603 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 101.46 Mbit/s
95th percentile per-packet one-way delay: 120.886 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 91.47 Mbit/s
95th percentile per-packet one-way delay: 122.396 ms
Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link

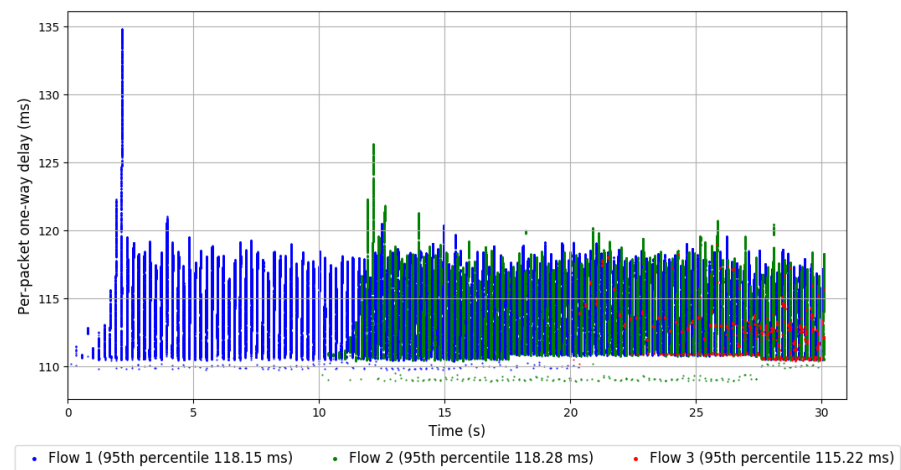
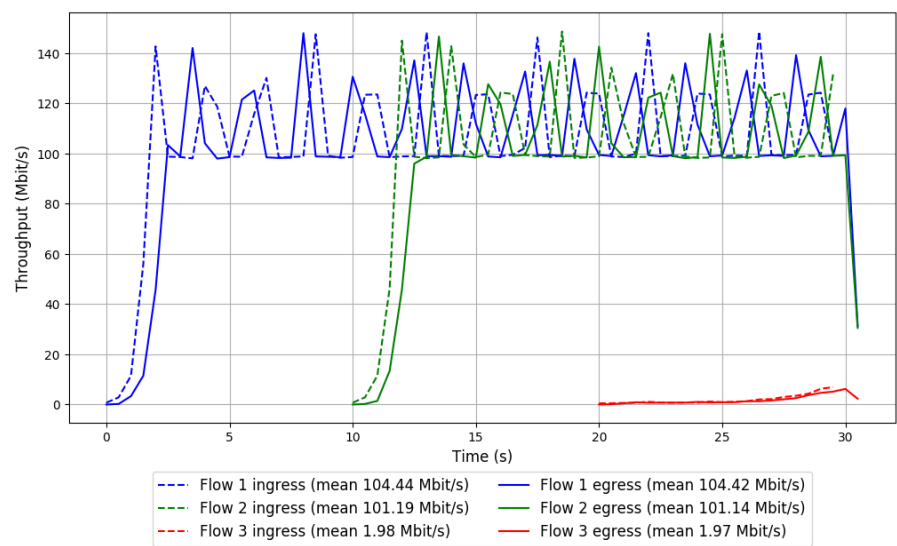


Run 6: Statistics of TCP Cubic

Start at: 2018-06-29 19:00:17
End at: 2018-06-29 19:00:47
Local clock offset: -0.064 ms
Remote clock offset: -0.339 ms

Below is generated by plot.py at 2018-06-29 21:26:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 172.24 Mbit/s
95th percentile per-packet one-way delay: 118.193 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 104.42 Mbit/s
95th percentile per-packet one-way delay: 118.153 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 101.14 Mbit/s
95th percentile per-packet one-way delay: 118.276 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 115.220 ms
Loss rate: 0.30%

Run 6: Report of TCP Cubic — Data Link

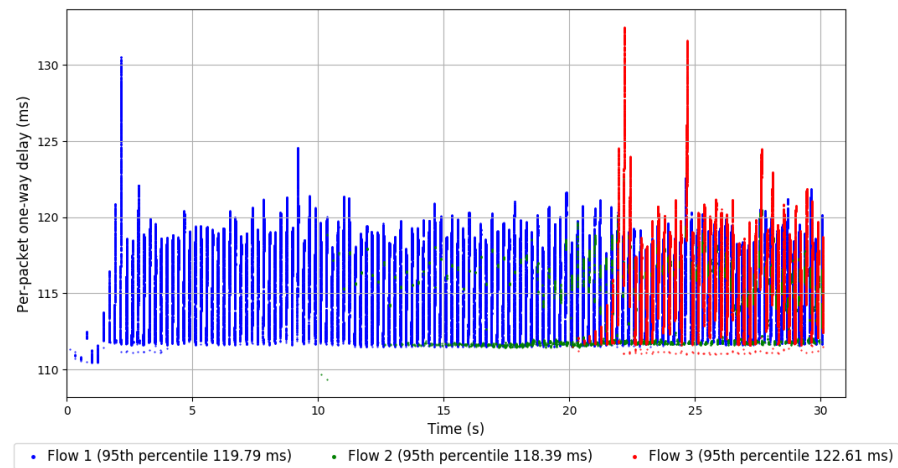
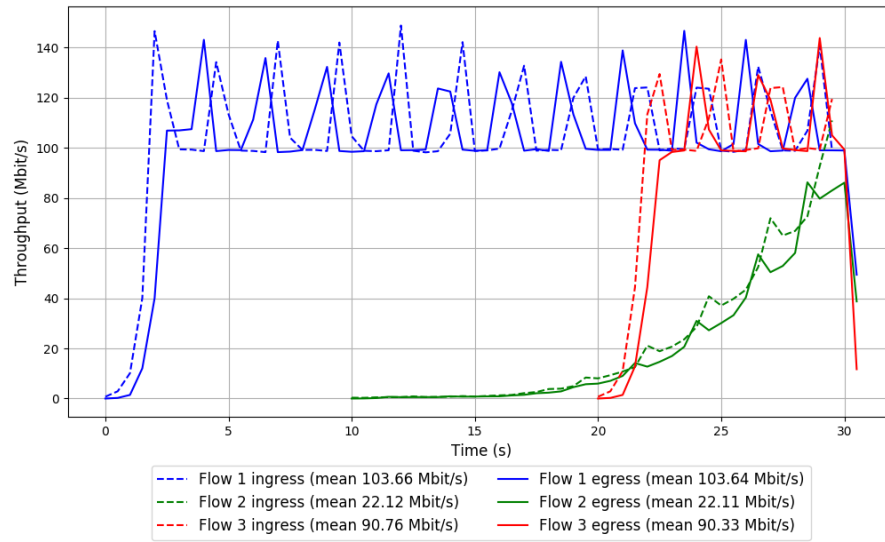


Run 7: Statistics of TCP Cubic

Start at: 2018-06-29 19:25:53
End at: 2018-06-29 19:26:23
Local clock offset: -0.166 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-06-29 21:26:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 148.26 Mbit/s
95th percentile per-packet one-way delay: 120.148 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 103.64 Mbit/s
95th percentile per-packet one-way delay: 119.786 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 22.11 Mbit/s
95th percentile per-packet one-way delay: 118.393 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 90.33 Mbit/s
95th percentile per-packet one-way delay: 122.615 ms
Loss rate: 0.47%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-06-29 19:51:41

End at: 2018-06-29 19:52:11

Local clock offset: -0.104 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-06-29 21:26:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 189.58 Mbit/s

95th percentile per-packet one-way delay: 119.906 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 103.95 Mbit/s

95th percentile per-packet one-way delay: 119.820 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 91.28 Mbit/s

95th percentile per-packet one-way delay: 120.072 ms

Loss rate: 0.00%

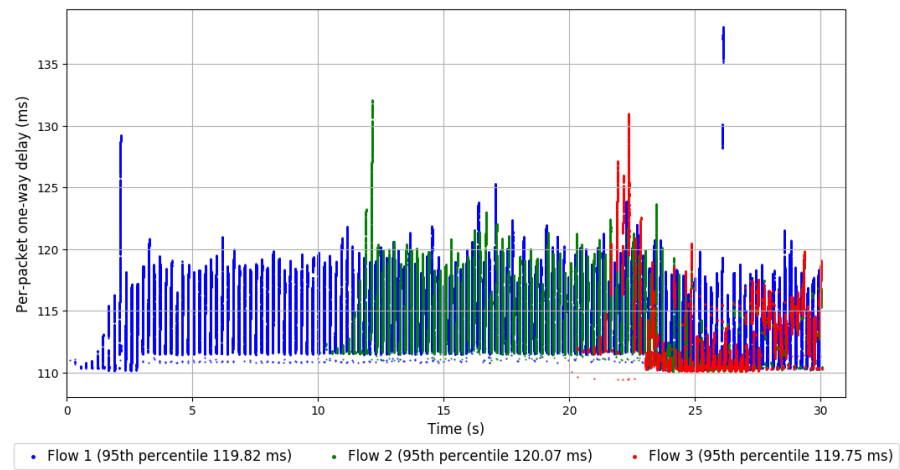
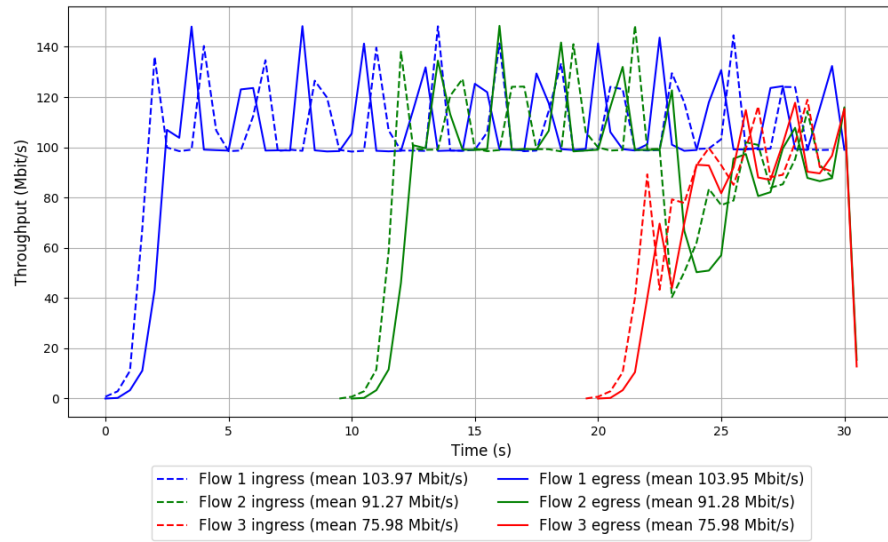
-- Flow 3:

Average throughput: 75.98 Mbit/s

95th percentile per-packet one-way delay: 119.750 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-06-29 20:17:20

End at: 2018-06-29 20:17:50

Local clock offset: -0.518 ms

Remote clock offset: 0.141 ms

Below is generated by plot.py at 2018-06-29 21:26:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 185.25 Mbit/s

95th percentile per-packet one-way delay: 119.743 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 104.54 Mbit/s

95th percentile per-packet one-way delay: 120.194 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 100.64 Mbit/s

95th percentile per-packet one-way delay: 118.244 ms

Loss rate: 0.00%

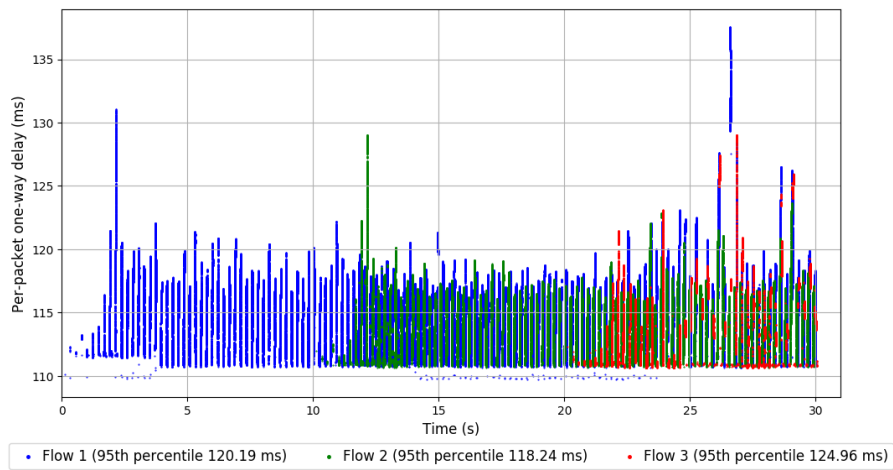
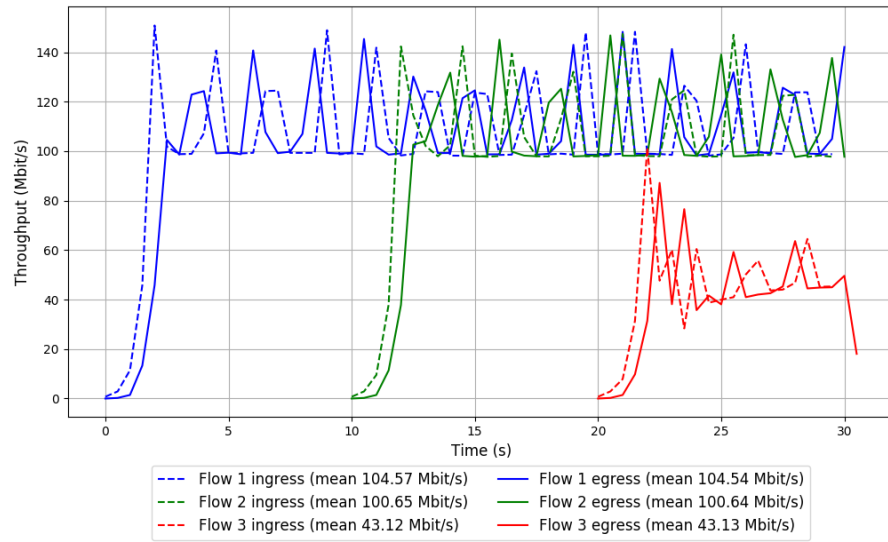
-- Flow 3:

Average throughput: 43.13 Mbit/s

95th percentile per-packet one-way delay: 124.957 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-06-29 20:42:48

End at: 2018-06-29 20:43:18

Local clock offset: -0.19 ms

Remote clock offset: 0.128 ms

Below is generated by plot.py at 2018-06-29 21:26:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 172.66 Mbit/s

95th percentile per-packet one-way delay: 120.414 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 103.92 Mbit/s

95th percentile per-packet one-way delay: 120.056 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 57.78 Mbit/s

95th percentile per-packet one-way delay: 120.747 ms

Loss rate: 0.00%

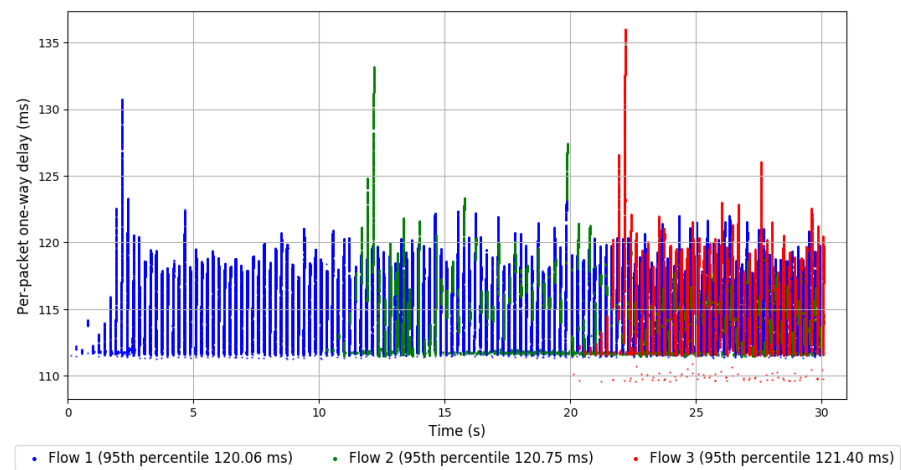
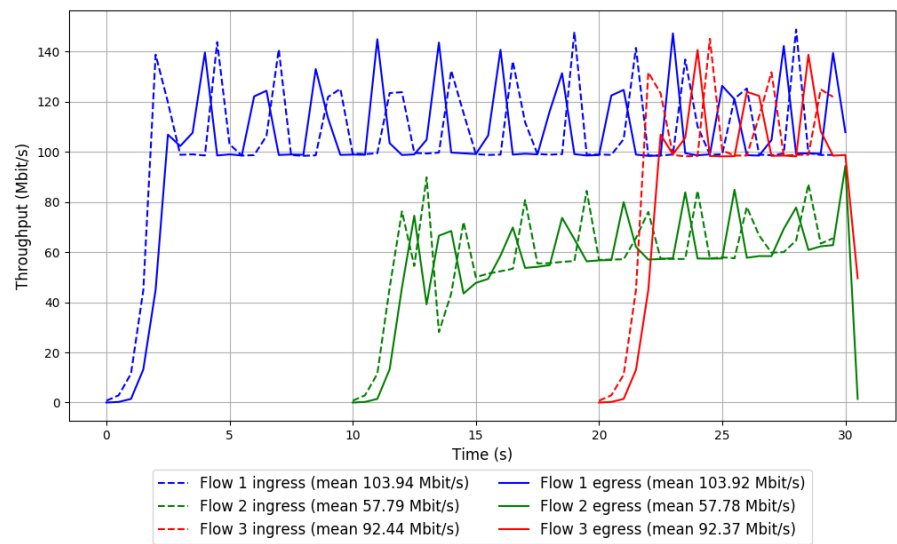
-- Flow 3:

Average throughput: 92.37 Mbit/s

95th percentile per-packet one-way delay: 121.397 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

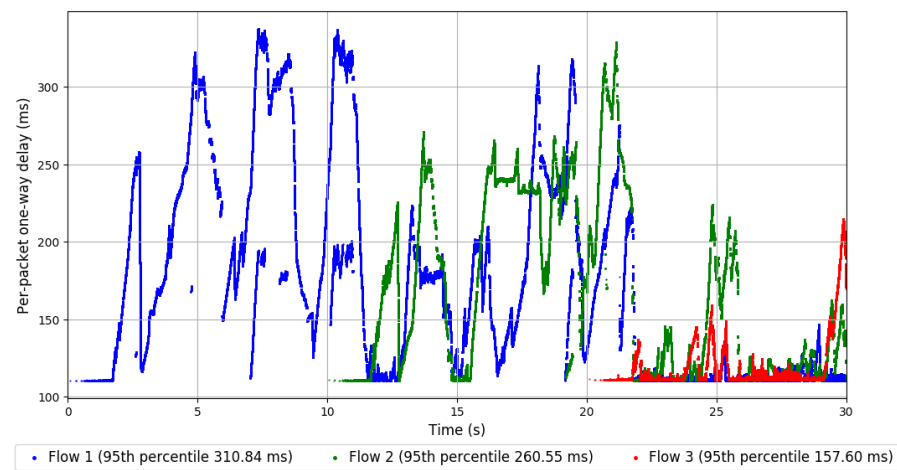
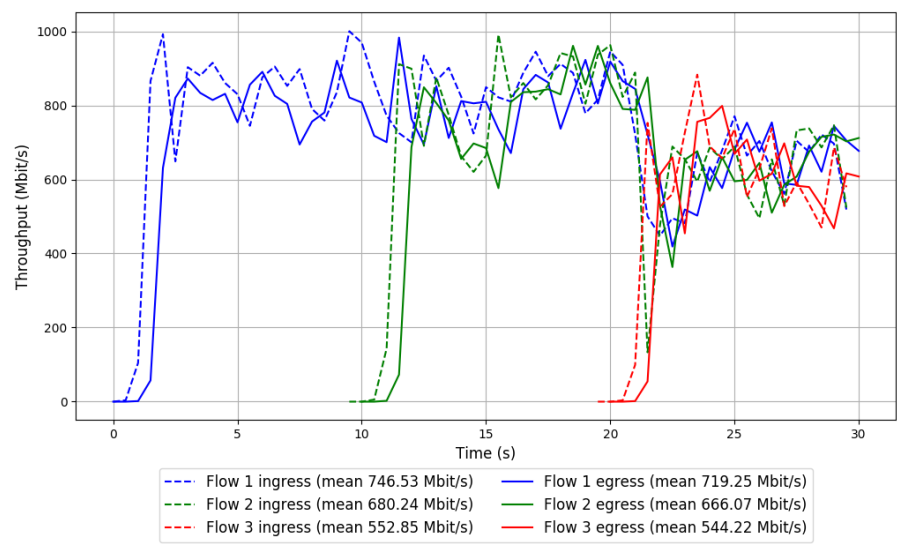


Run 1: Statistics of FillP

Start at: 2018-06-29 16:48:28
End at: 2018-06-29 16:48:58
Local clock offset: -0.122 ms
Remote clock offset: -0.223 ms

Below is generated by plot.py at 2018-06-29 21:48:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 1343.78 Mbit/s
95th percentile per-packet one-way delay: 298.887 ms
Loss rate: 2.86%
-- Flow 1:
Average throughput: 719.25 Mbit/s
95th percentile per-packet one-way delay: 310.838 ms
Loss rate: 3.65%
-- Flow 2:
Average throughput: 666.07 Mbit/s
95th percentile per-packet one-way delay: 260.554 ms
Loss rate: 2.08%
-- Flow 3:
Average throughput: 544.22 Mbit/s
95th percentile per-packet one-way delay: 157.603 ms
Loss rate: 1.56%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-06-29 17:13:58

End at: 2018-06-29 17:14:28

Local clock offset: -0.083 ms

Remote clock offset: 0.093 ms

Below is generated by plot.py at 2018-06-29 21:48:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 1342.71 Mbit/s

95th percentile per-packet one-way delay: 320.321 ms

Loss rate: 1.56%

-- Flow 1:

Average throughput: 692.47 Mbit/s

95th percentile per-packet one-way delay: 330.282 ms

Loss rate: 1.49%

-- Flow 2:

Average throughput: 677.57 Mbit/s

95th percentile per-packet one-way delay: 314.503 ms

Loss rate: 2.28%

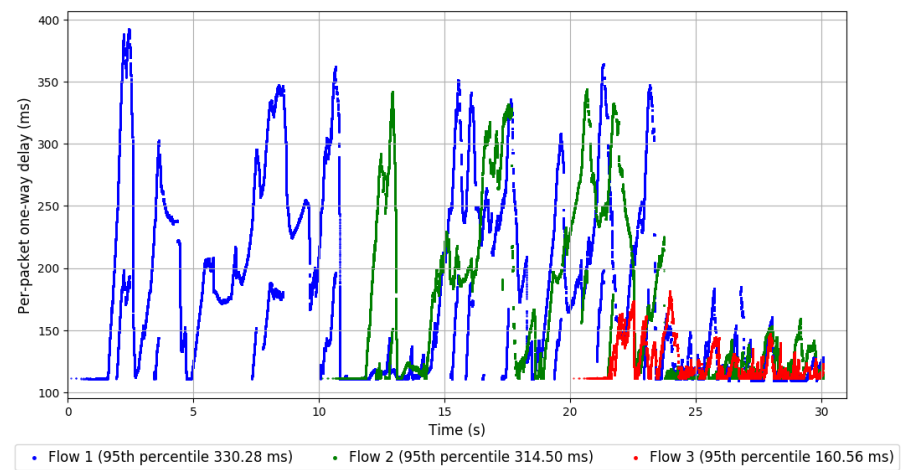
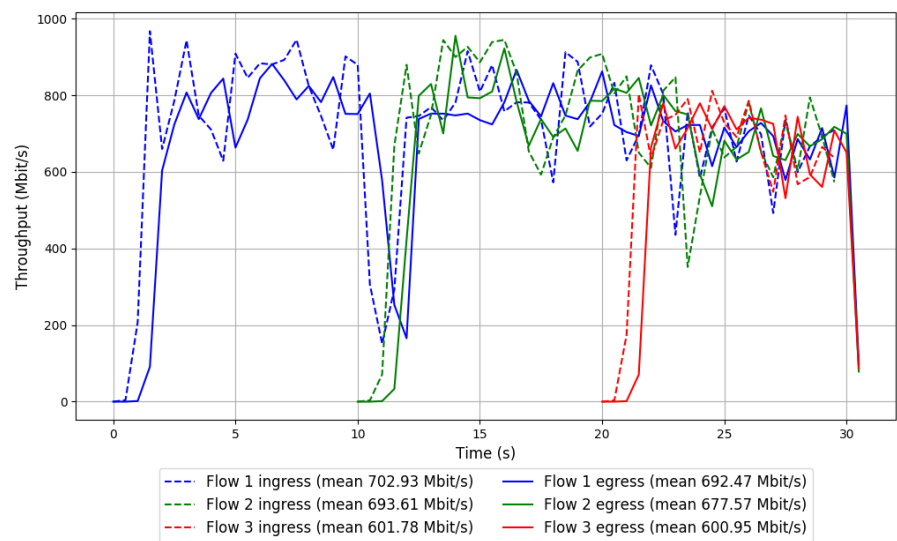
-- Flow 3:

Average throughput: 600.95 Mbit/s

95th percentile per-packet one-way delay: 160.555 ms

Loss rate: 0.15%

Run 2: Report of FillP — Data Link

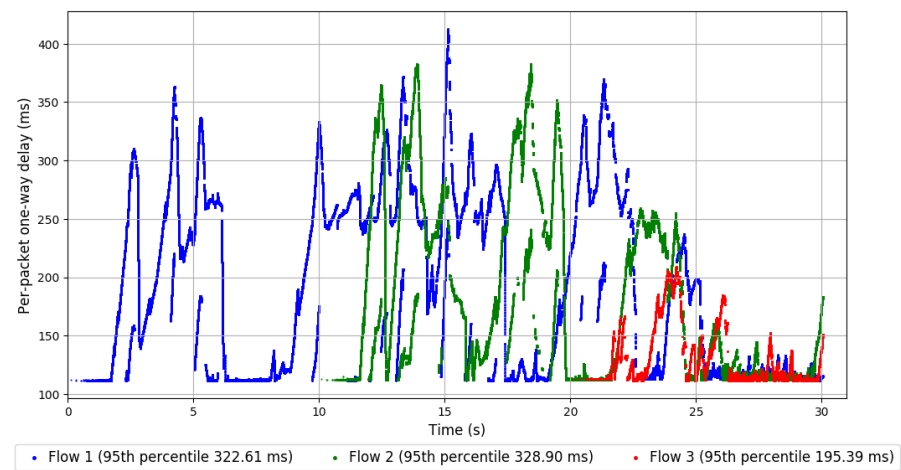
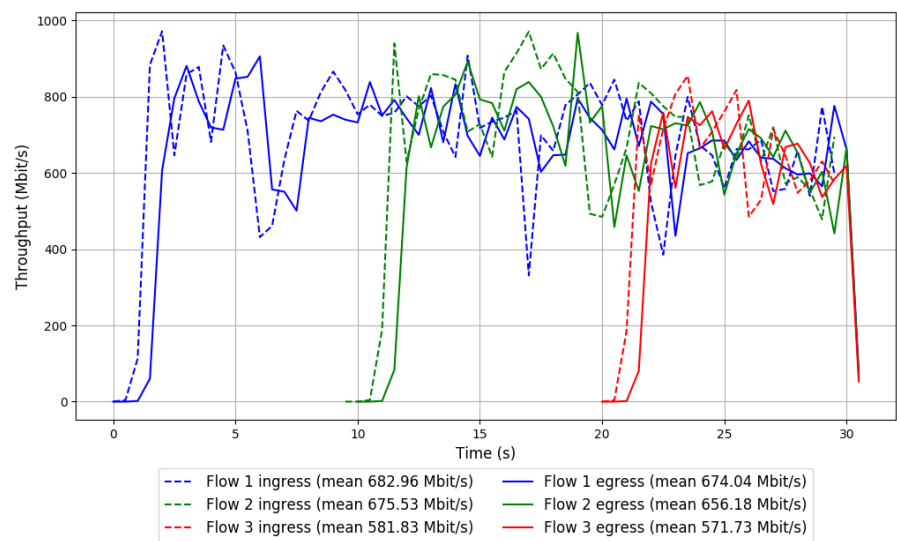


Run 3: Statistics of FillP

Start at: 2018-06-29 17:39:35
End at: 2018-06-29 17:40:05
Local clock offset: -1.431 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-06-29 21:48:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 1300.73 Mbit/s
95th percentile per-packet one-way delay: 321.718 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 674.04 Mbit/s
95th percentile per-packet one-way delay: 322.608 ms
Loss rate: 1.30%
-- Flow 2:
Average throughput: 656.18 Mbit/s
95th percentile per-packet one-way delay: 328.904 ms
Loss rate: 2.86%
-- Flow 3:
Average throughput: 571.73 Mbit/s
95th percentile per-packet one-way delay: 195.394 ms
Loss rate: 1.73%

Run 3: Report of FillP — Data Link

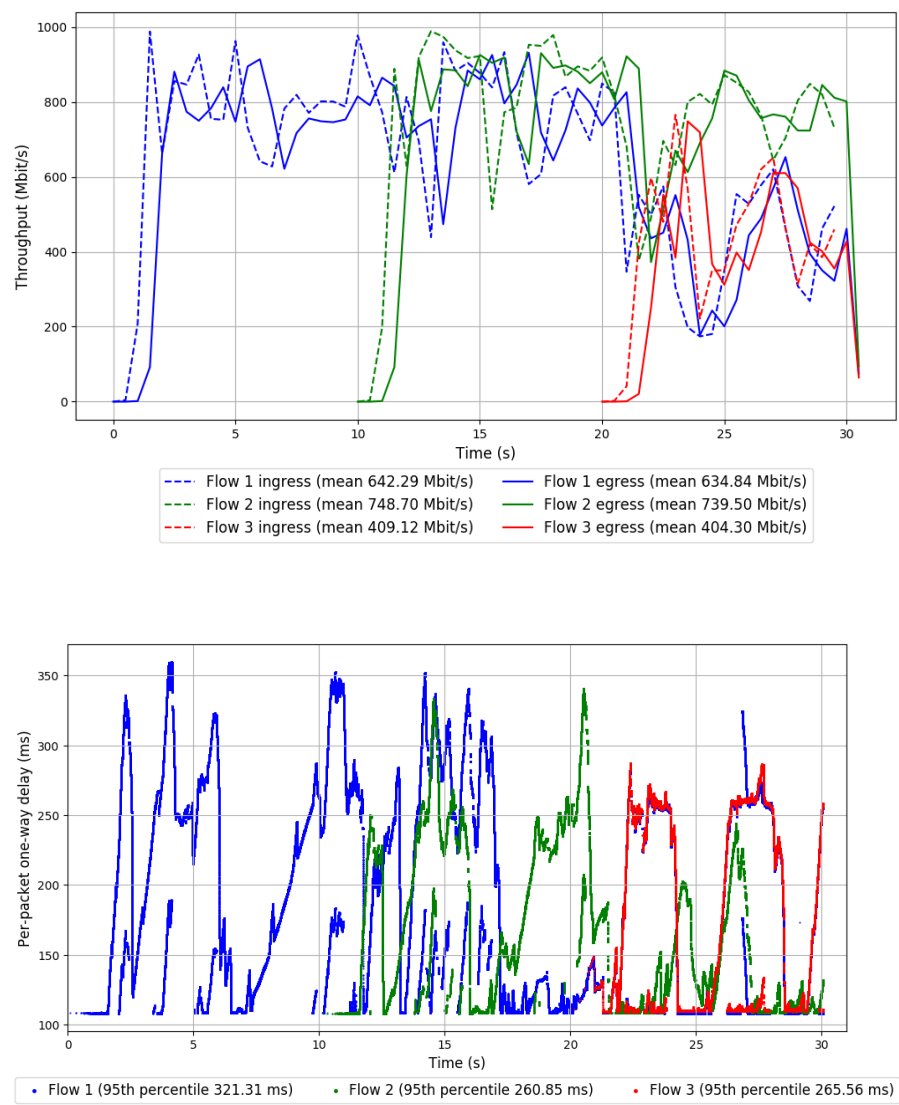


Run 4: Statistics of FillP

Start at: 2018-06-29 18:05:11
End at: 2018-06-29 18:05:41
Local clock offset: 1.183 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-06-29 21:48:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 1261.10 Mbit/s
95th percentile per-packet one-way delay: 306.821 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 634.84 Mbit/s
95th percentile per-packet one-way delay: 321.309 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 739.50 Mbit/s
95th percentile per-packet one-way delay: 260.845 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 404.30 Mbit/s
95th percentile per-packet one-way delay: 265.558 ms
Loss rate: 1.18%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-06-29 18:30:31

End at: 2018-06-29 18:31:02

Local clock offset: -0.407 ms

Remote clock offset: 0.349 ms

Below is generated by plot.py at 2018-06-29 21:50:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 1385.13 Mbit/s

95th percentile per-packet one-way delay: 239.510 ms

Loss rate: 2.65%

-- Flow 1:

Average throughput: 762.48 Mbit/s

95th percentile per-packet one-way delay: 249.999 ms

Loss rate: 2.63%

-- Flow 2:

Average throughput: 631.19 Mbit/s

95th percentile per-packet one-way delay: 252.580 ms

Loss rate: 3.24%

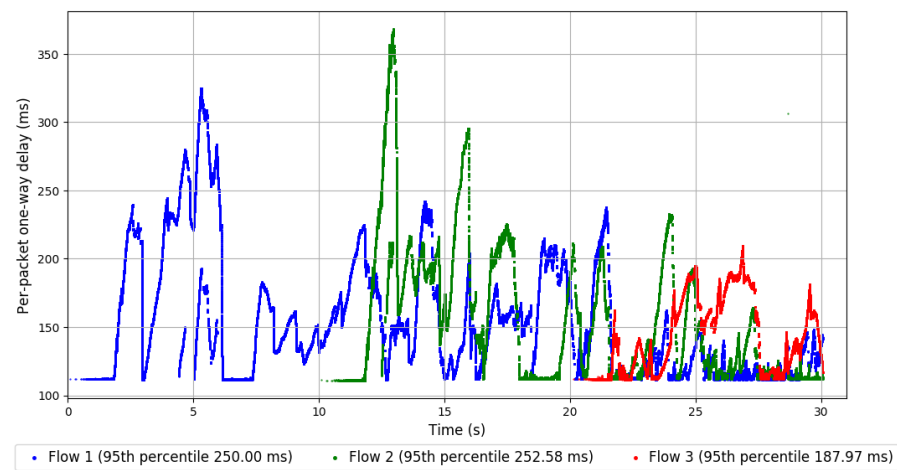
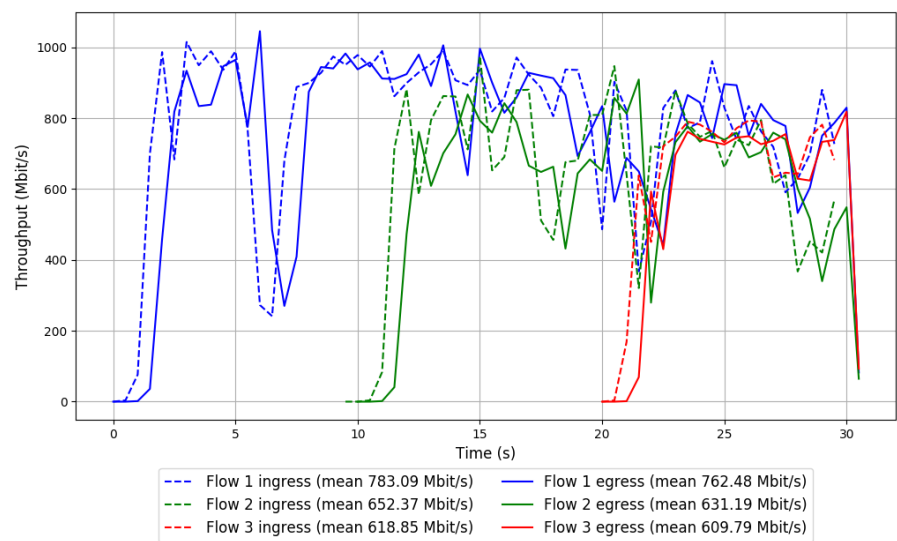
-- Flow 3:

Average throughput: 609.79 Mbit/s

95th percentile per-packet one-way delay: 187.974 ms

Loss rate: 1.47%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-06-29 18:56:23

End at: 2018-06-29 18:56:53

Local clock offset: -1.086 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-06-29 21:50:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 1367.18 Mbit/s

95th percentile per-packet one-way delay: 256.106 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 776.62 Mbit/s

95th percentile per-packet one-way delay: 246.574 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 658.44 Mbit/s

95th percentile per-packet one-way delay: 260.688 ms

Loss rate: 0.22%

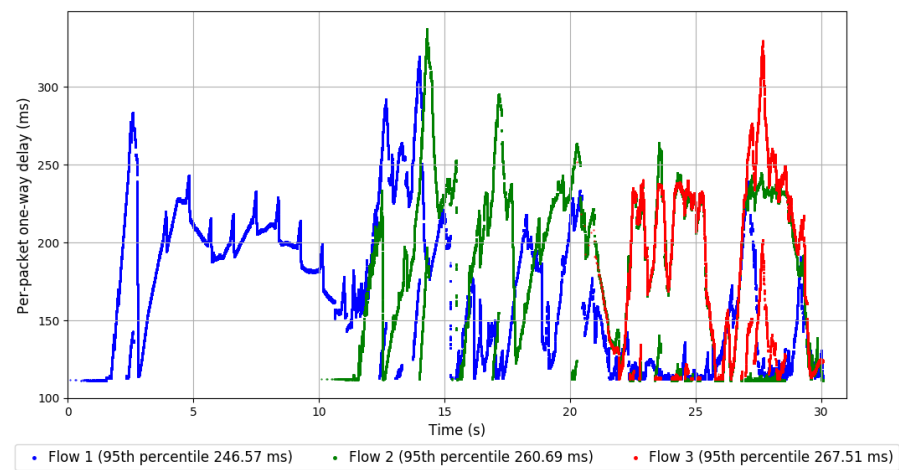
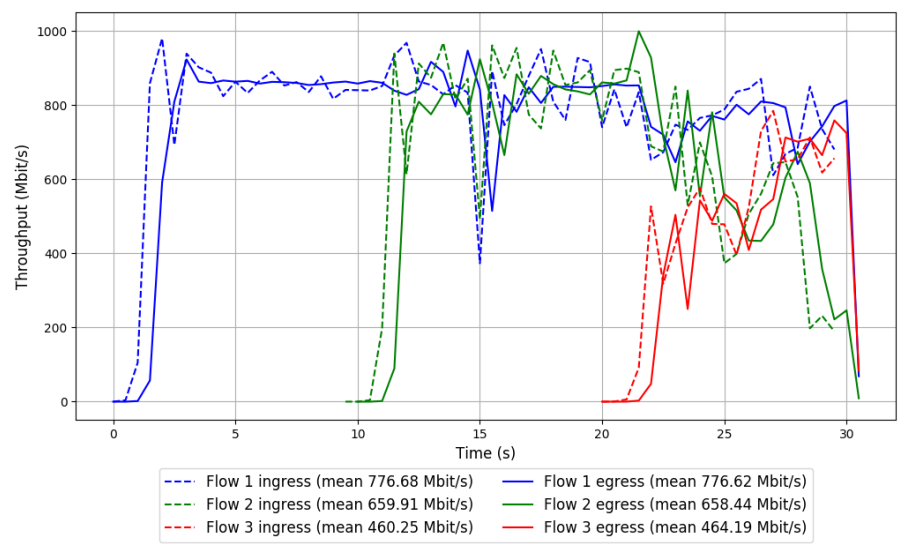
-- Flow 3:

Average throughput: 464.19 Mbit/s

95th percentile per-packet one-way delay: 267.511 ms

Loss rate: 0.55%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-06-29 19:21:52

End at: 2018-06-29 19:22:22

Local clock offset: -0.147 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-06-29 21:52:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 1342.49 Mbit/s

95th percentile per-packet one-way delay: 312.027 ms

Loss rate: 3.54%

-- Flow 1:

Average throughput: 719.10 Mbit/s

95th percentile per-packet one-way delay: 329.005 ms

Loss rate: 3.63%

-- Flow 2:

Average throughput: 674.75 Mbit/s

95th percentile per-packet one-way delay: 273.114 ms

Loss rate: 2.36%

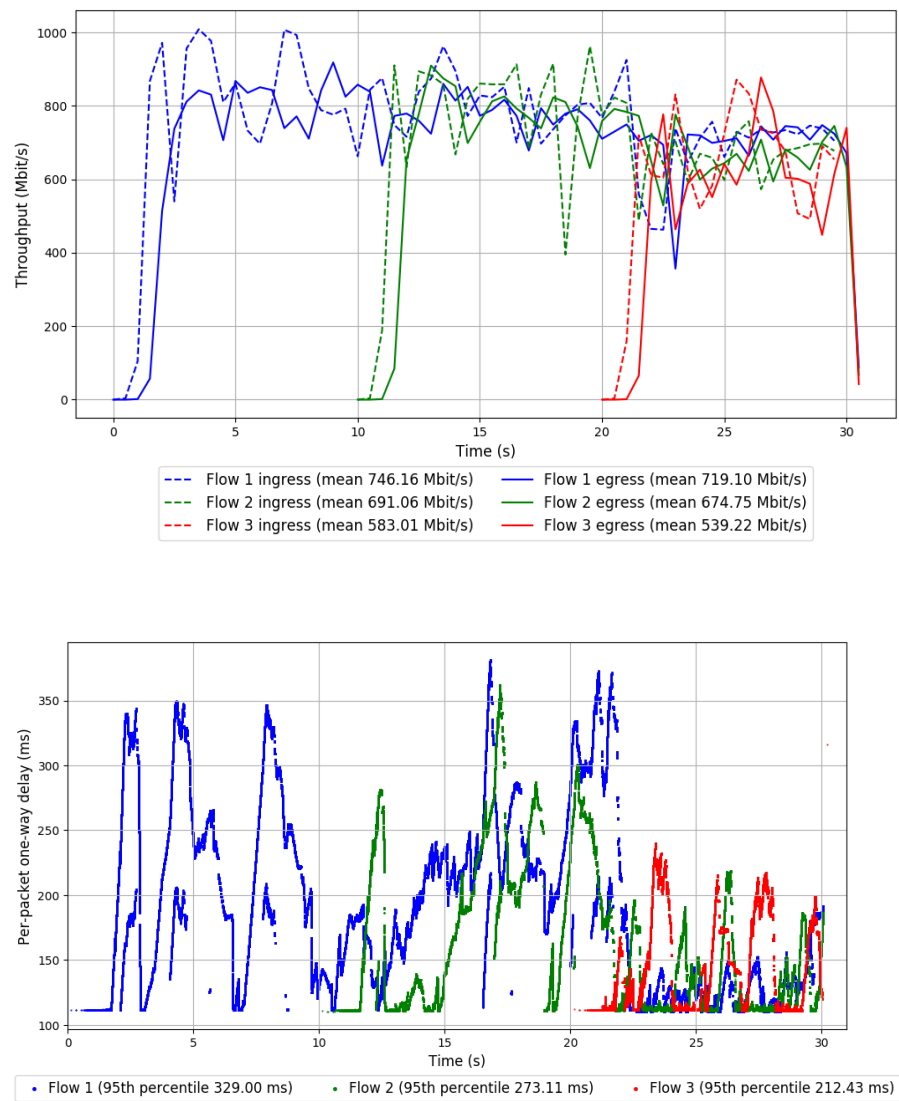
-- Flow 3:

Average throughput: 539.22 Mbit/s

95th percentile per-packet one-way delay: 212.431 ms

Loss rate: 6.05%

Run 7: Report of FillP — Data Link

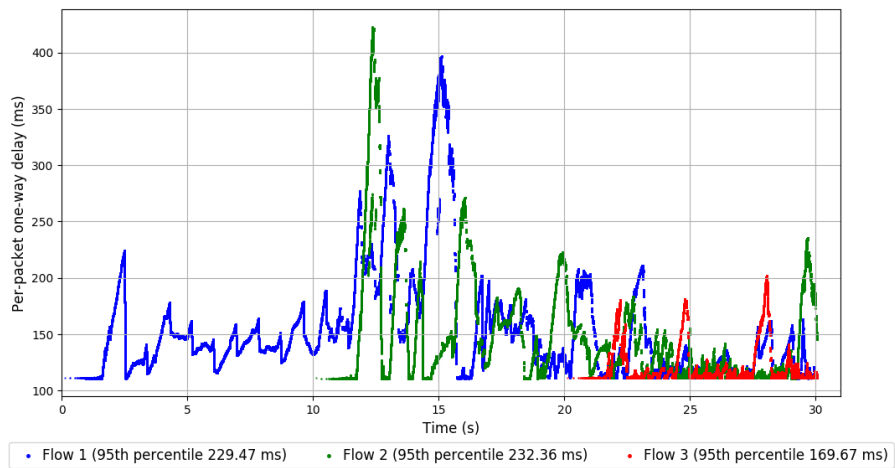
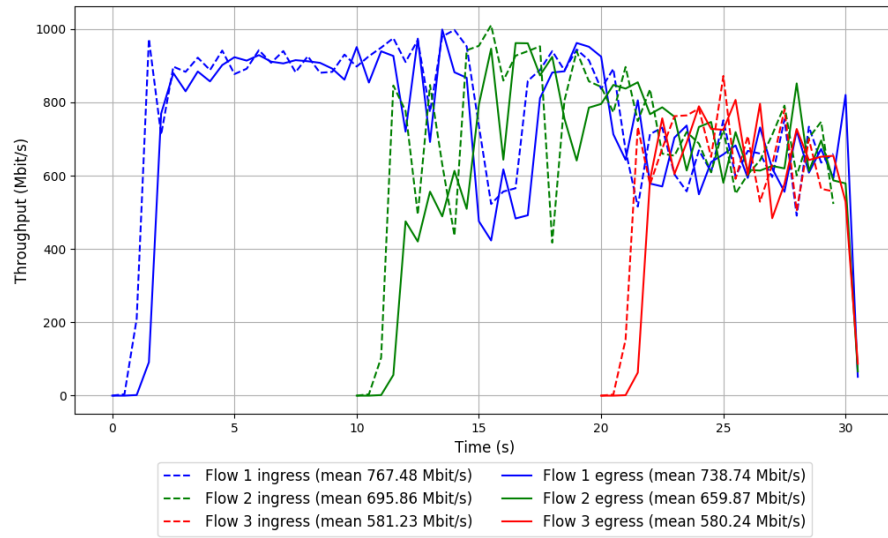


Run 8: Statistics of FillP

Start at: 2018-06-29 19:47:38
End at: 2018-06-29 19:48:08
Local clock offset: -0.292 ms
Remote clock offset: -0.348 ms

Below is generated by plot.py at 2018-06-29 21:53:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 1370.27 Mbit/s
95th percentile per-packet one-way delay: 224.442 ms
Loss rate: 3.77%
-- Flow 1:
Average throughput: 738.74 Mbit/s
95th percentile per-packet one-way delay: 229.475 ms
Loss rate: 3.77%
-- Flow 2:
Average throughput: 659.87 Mbit/s
95th percentile per-packet one-way delay: 232.360 ms
Loss rate: 5.22%
-- Flow 3:
Average throughput: 580.24 Mbit/s
95th percentile per-packet one-way delay: 169.674 ms
Loss rate: 0.27%

Run 8: Report of FillP — Data Link

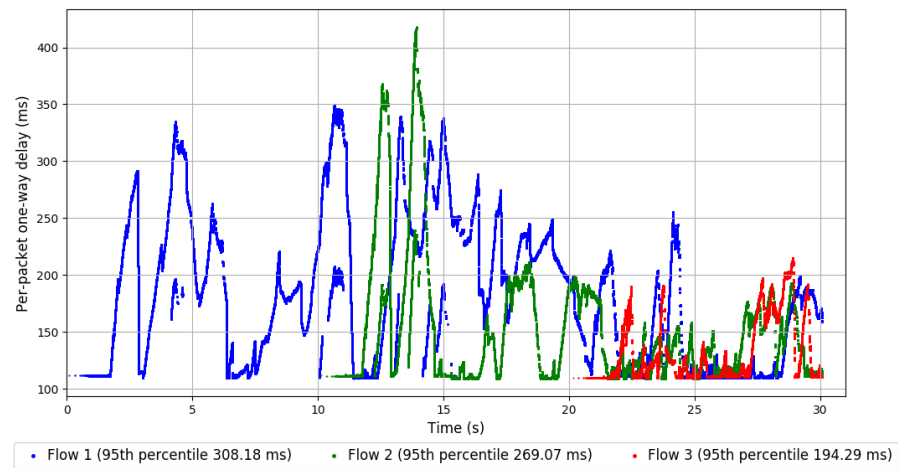
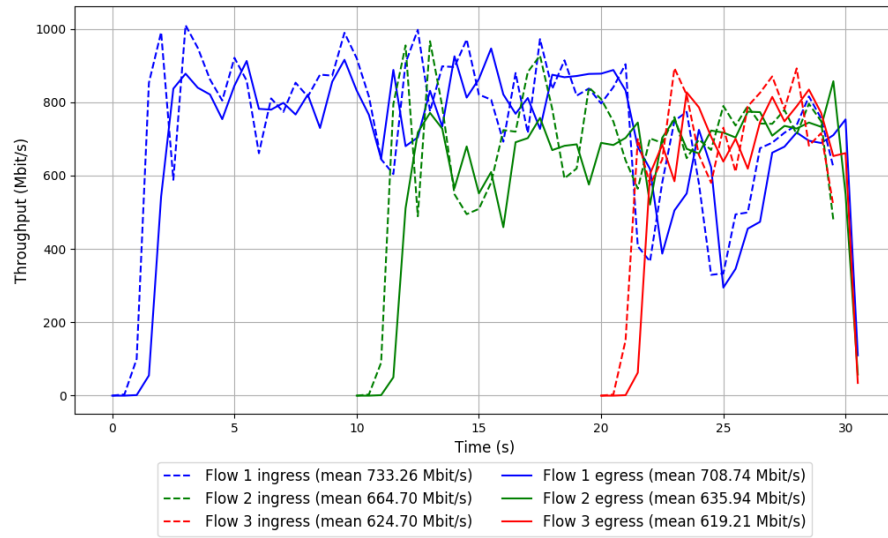


Run 9: Statistics of FillP

Start at: 2018-06-29 20:13:32
End at: 2018-06-29 20:14:02
Local clock offset: -0.006 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-06-29 22:14:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 1336.54 Mbit/s
95th percentile per-packet one-way delay: 293.243 ms
Loss rate: 3.50%
-- Flow 1:
Average throughput: 708.74 Mbit/s
95th percentile per-packet one-way delay: 308.183 ms
Loss rate: 3.47%
-- Flow 2:
Average throughput: 635.94 Mbit/s
95th percentile per-packet one-way delay: 269.073 ms
Loss rate: 4.55%
-- Flow 3:
Average throughput: 619.21 Mbit/s
95th percentile per-packet one-way delay: 194.295 ms
Loss rate: 1.37%

Run 9: Report of FillP — Data Link

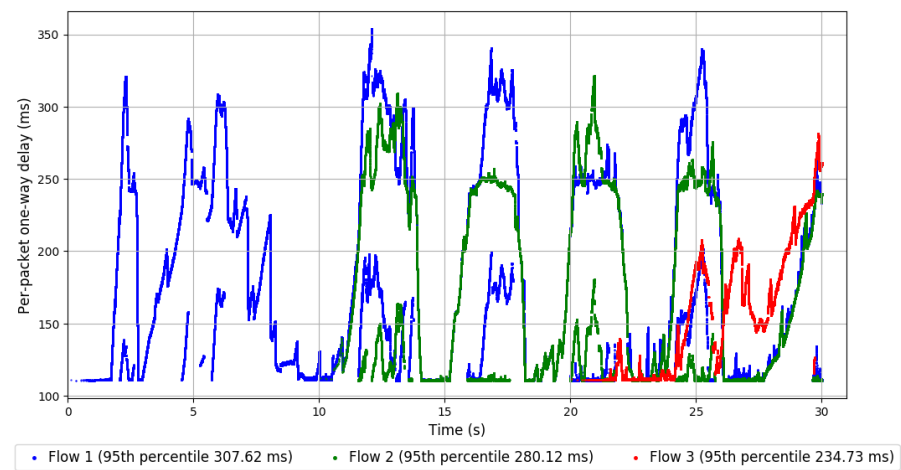
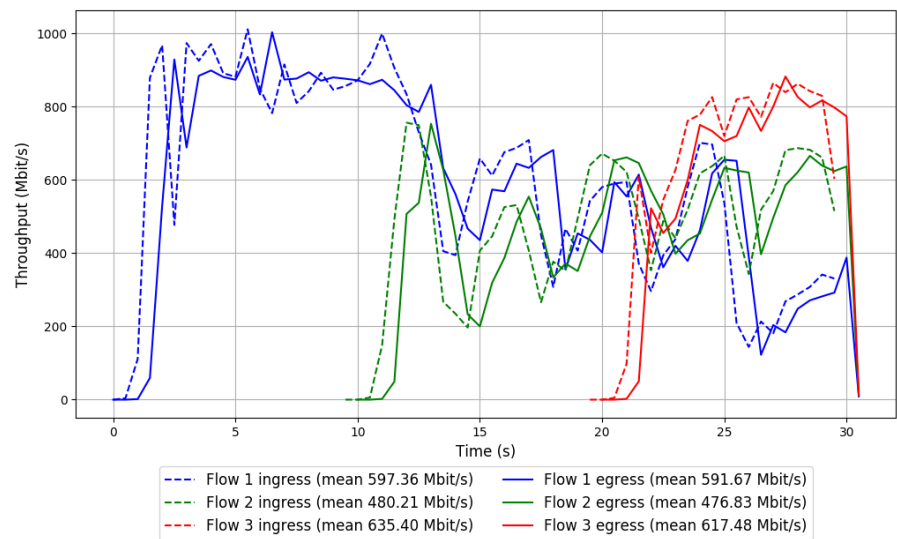


Run 10: Statistics of FillP

Start at: 2018-06-29 20:39:06
End at: 2018-06-29 20:39:36
Local clock offset: -0.027 ms
Remote clock offset: -0.222 ms

Below is generated by plot.py at 2018-06-29 22:14:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 1115.01 Mbit/s
95th percentile per-packet one-way delay: 296.927 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 591.67 Mbit/s
95th percentile per-packet one-way delay: 307.622 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 476.83 Mbit/s
95th percentile per-packet one-way delay: 280.124 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 617.48 Mbit/s
95th percentile per-packet one-way delay: 234.731 ms
Loss rate: 2.83%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-06-29 16:39:55

End at: 2018-06-29 16:40:25

Local clock offset: -1.536 ms

Remote clock offset: 0.193 ms

Below is generated by plot.py at 2018-06-29 22:14:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 112.754 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 111.757 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 113.041 ms

Loss rate: 0.00%

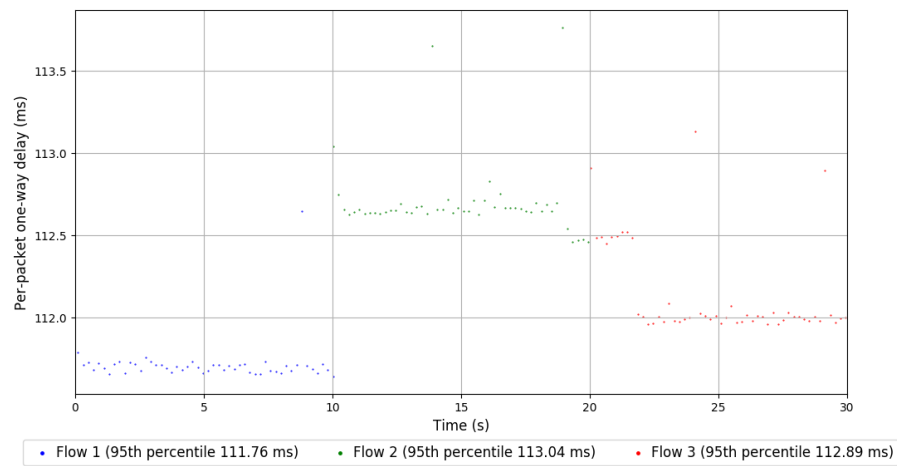
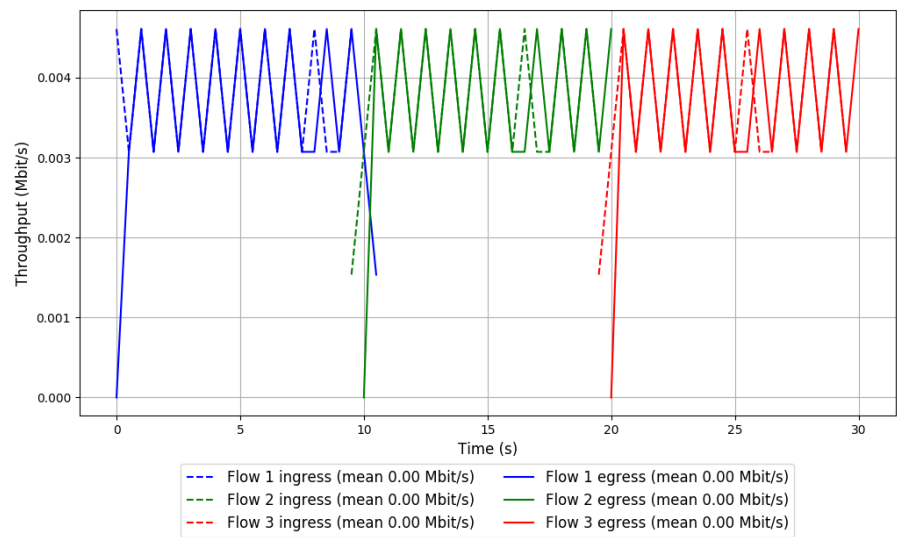
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 112.893 ms

Loss rate: 0.00%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-06-29 17:05:13

End at: 2018-06-29 17:05:43

Local clock offset: 0.094 ms

Remote clock offset: 0.503 ms

Below is generated by plot.py at 2018-06-29 22:14:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 111.709 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 110.846 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 111.941 ms

Loss rate: 0.00%

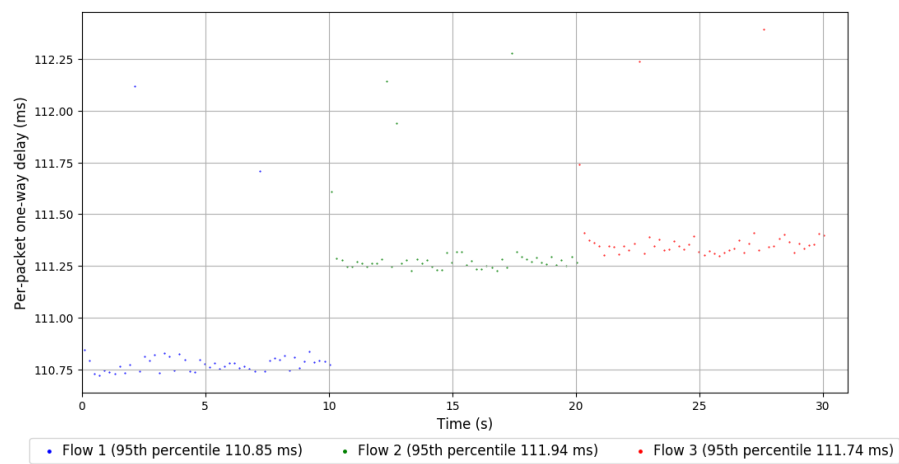
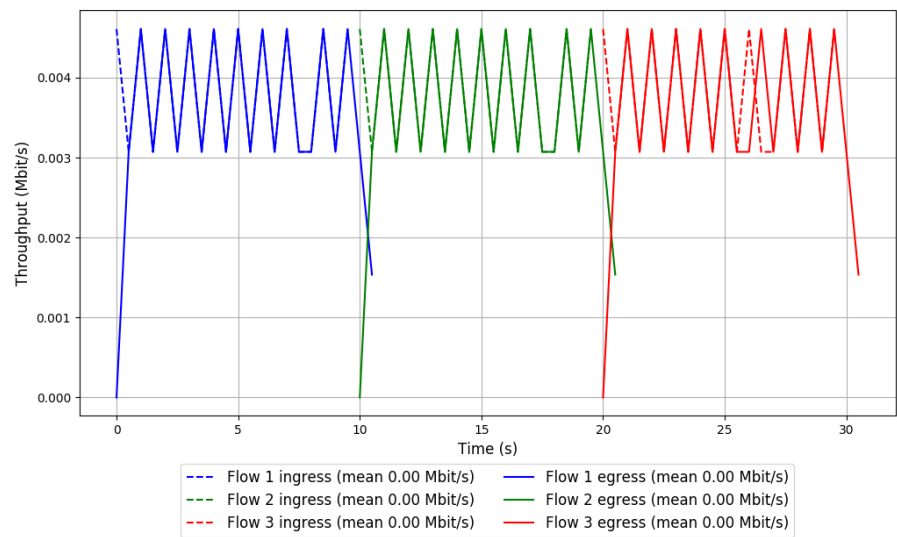
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 111.742 ms

Loss rate: 0.00%

Run 2: Report of FillP-Sheep — Data Link

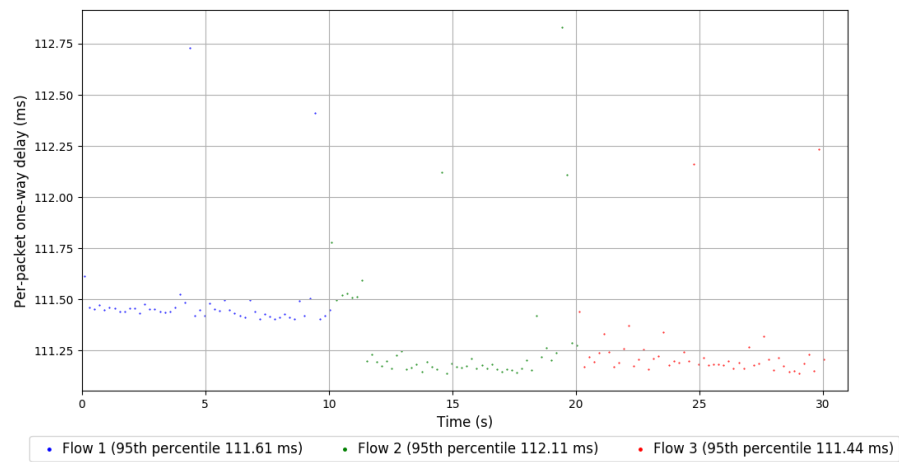
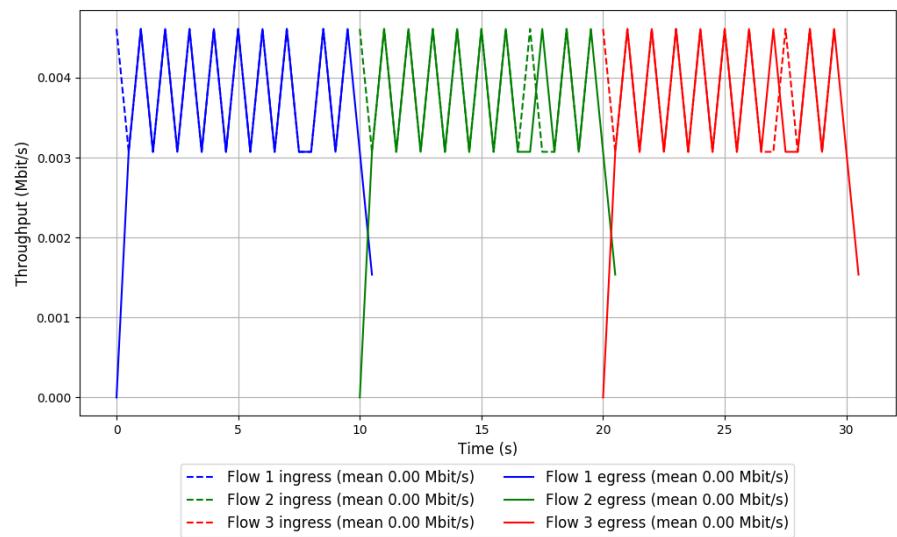


Run 3: Statistics of FillP-Sheep

Start at: 2018-06-29 17:30:53
End at: 2018-06-29 17:31:23
Local clock offset: -1.575 ms
Remote clock offset: -0.341 ms

Below is generated by plot.py at 2018-06-29 22:14:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 111.780 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 111.615 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 112.110 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 111.439 ms
Loss rate: 0.00%

Run 3: Report of FillP-Sheep — Data Link

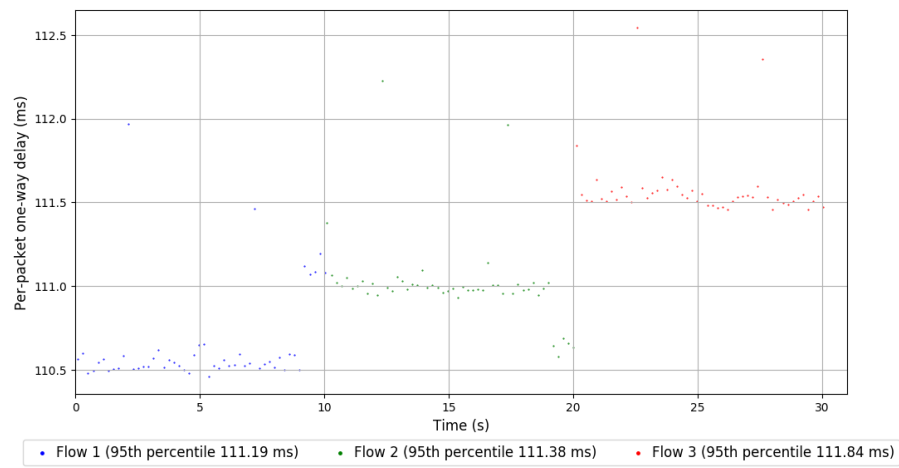
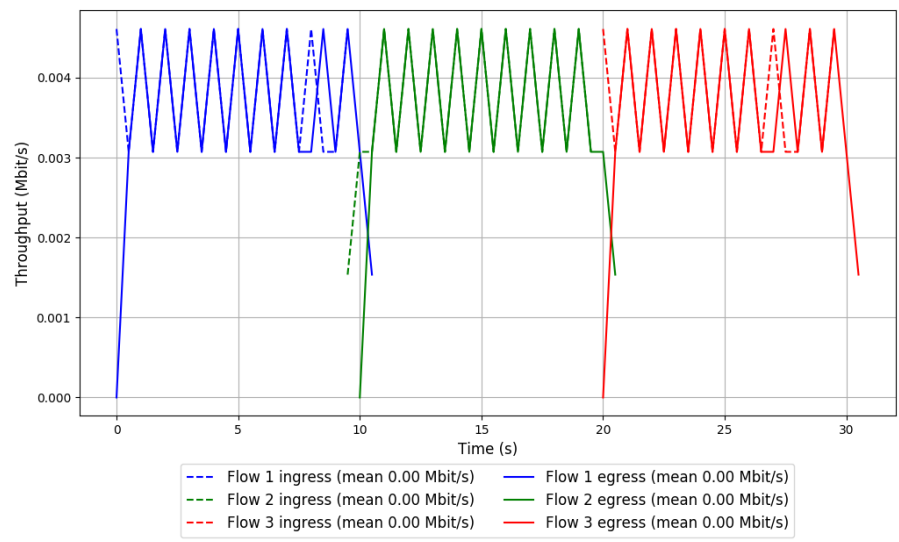


Run 4: Statistics of FillP-Sheep

Start at: 2018-06-29 17:56:38
End at: 2018-06-29 17:57:08
Local clock offset: -0.016 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-06-29 22:14:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 111.636 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 111.194 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 111.376 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 111.840 ms
Loss rate: 0.00%

Run 4: Report of FillP-Sheep — Data Link

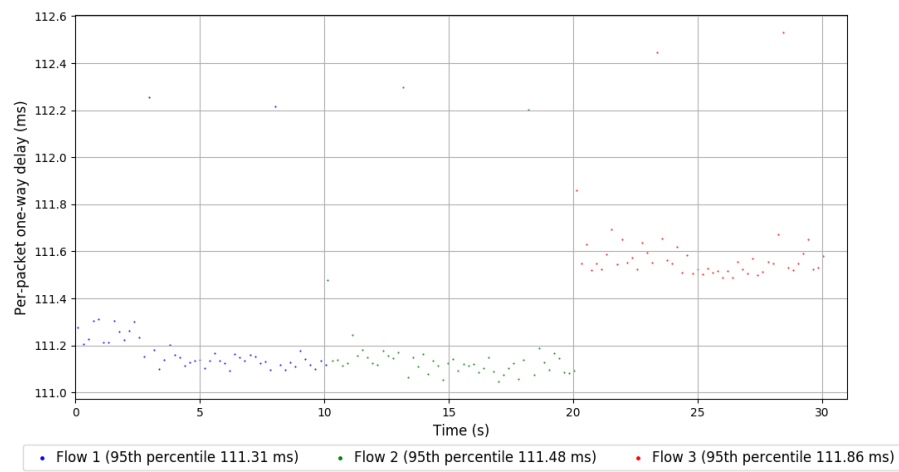
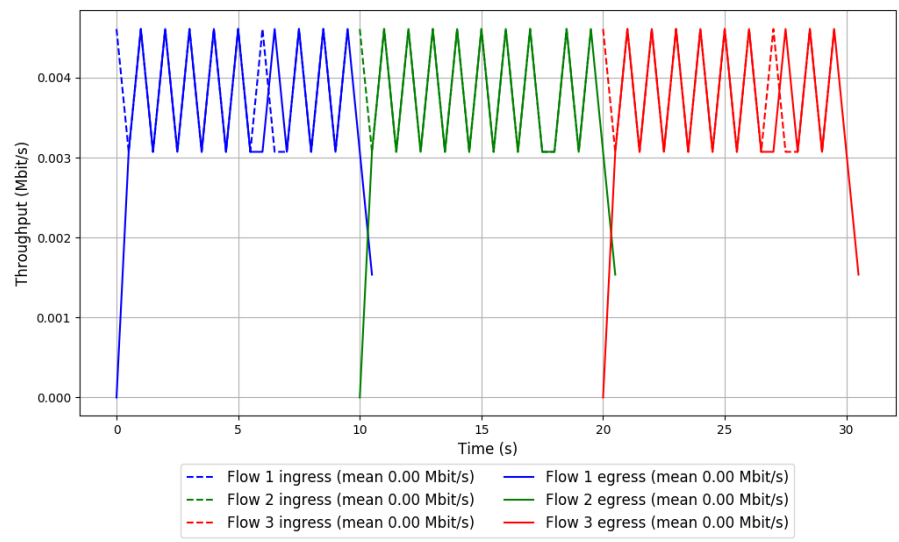


Run 5: Statistics of FillP-Sheep

Start at: 2018-06-29 18:21:52
End at: 2018-06-29 18:22:22
Local clock offset: -0.085 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-06-29 22:14:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 111.694 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 111.310 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 111.479 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 111.859 ms
Loss rate: 0.00%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-06-29 18:47:40

End at: 2018-06-29 18:48:10

Local clock offset: -0.223 ms

Remote clock offset: 0.401 ms

Below is generated by plot.py at 2018-06-29 22:14:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 112.244 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 112.293 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 111.681 ms

Loss rate: 0.00%

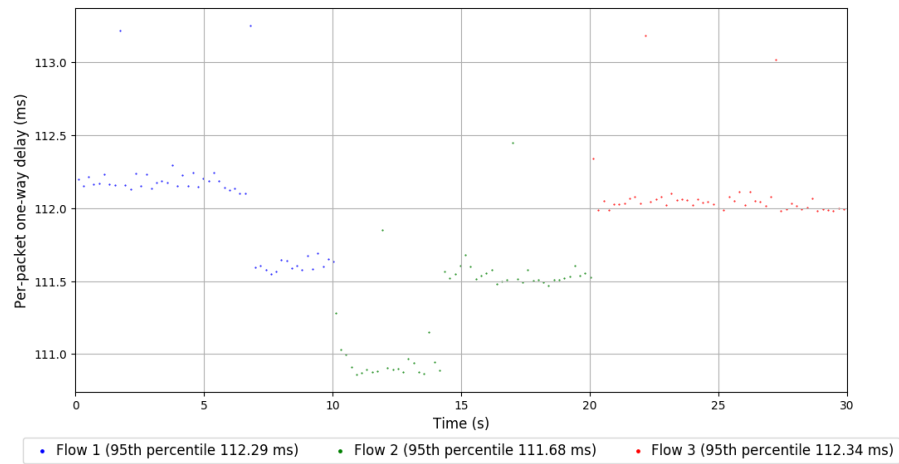
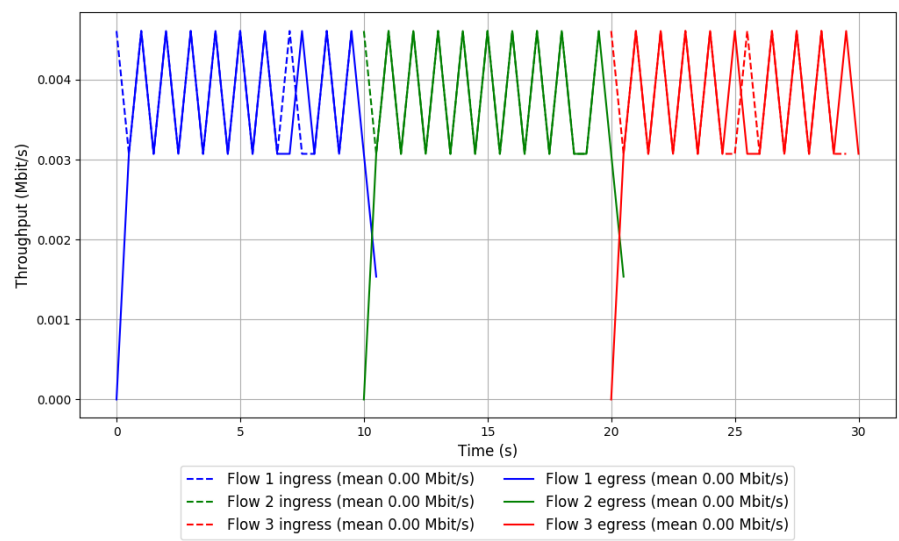
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 112.341 ms

Loss rate: 0.00%

Run 6: Report of FillP-Sheep — Data Link

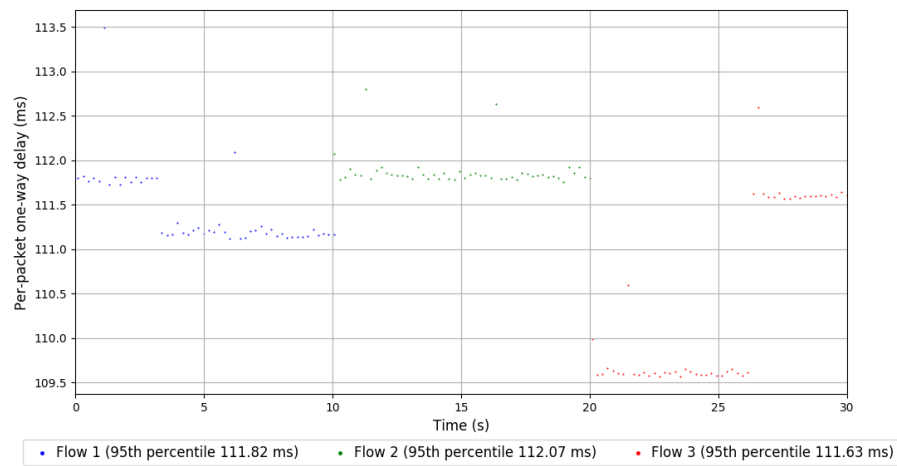
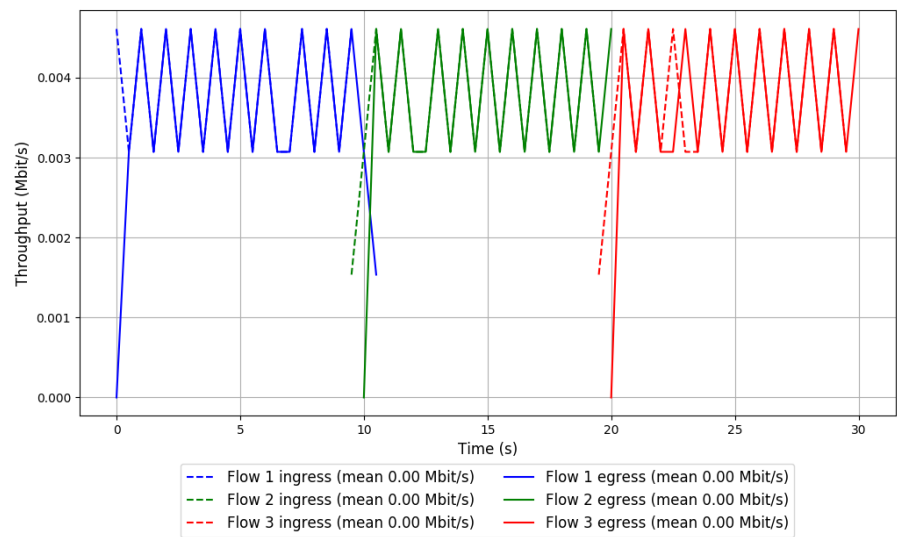


Run 7: Statistics of FillP-Sheep

Start at: 2018-06-29 19:13:11
End at: 2018-06-29 19:13:41
Local clock offset: -0.156 ms
Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-06-29 22:14:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 111.921 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 111.819 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 112.067 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 111.630 ms
Loss rate: 0.00%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-06-29 19:38:59

End at: 2018-06-29 19:39:30

Local clock offset: -1.474 ms

Remote clock offset: 0.384 ms

Below is generated by plot.py at 2018-06-29 22:14:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 113.540 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 113.441 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 113.564 ms

Loss rate: 0.00%

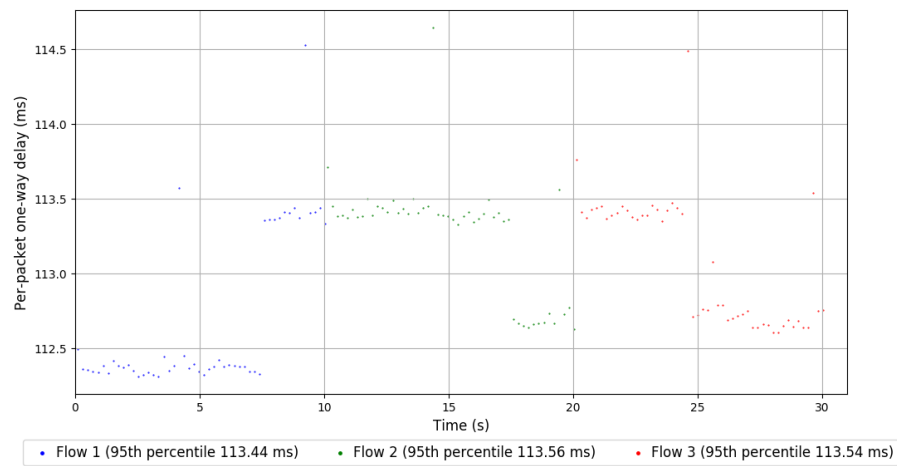
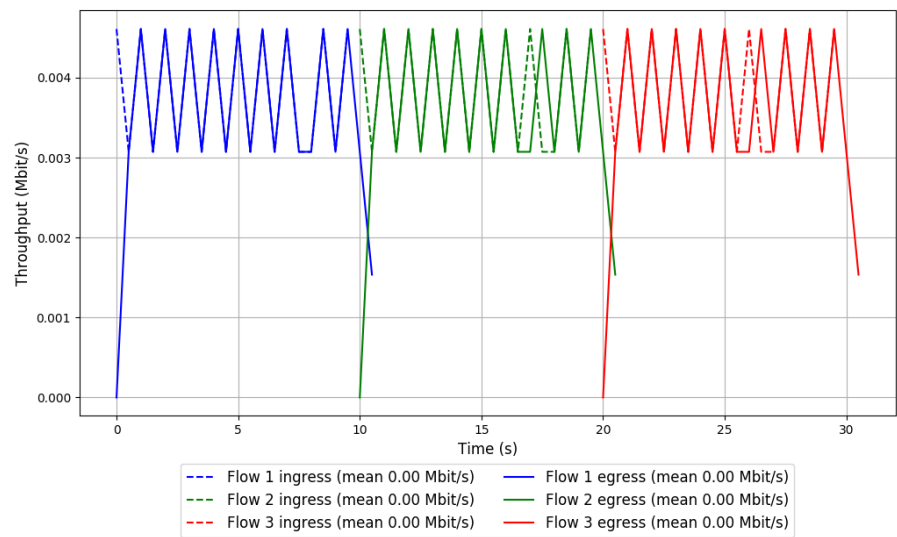
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 113.540 ms

Loss rate: 0.00%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-06-29 20:04:51

End at: 2018-06-29 20:05:21

Local clock offset: -0.101 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-06-29 22:14:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 111.805 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 111.816 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 111.451 ms

Loss rate: 0.00%

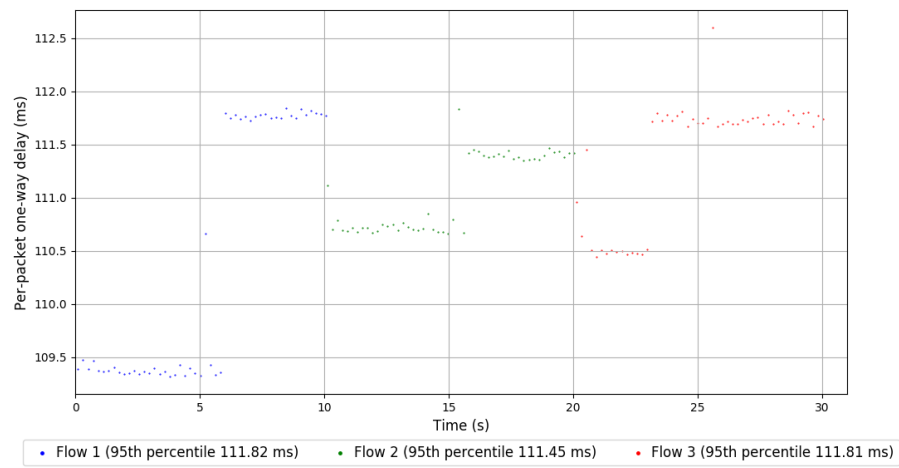
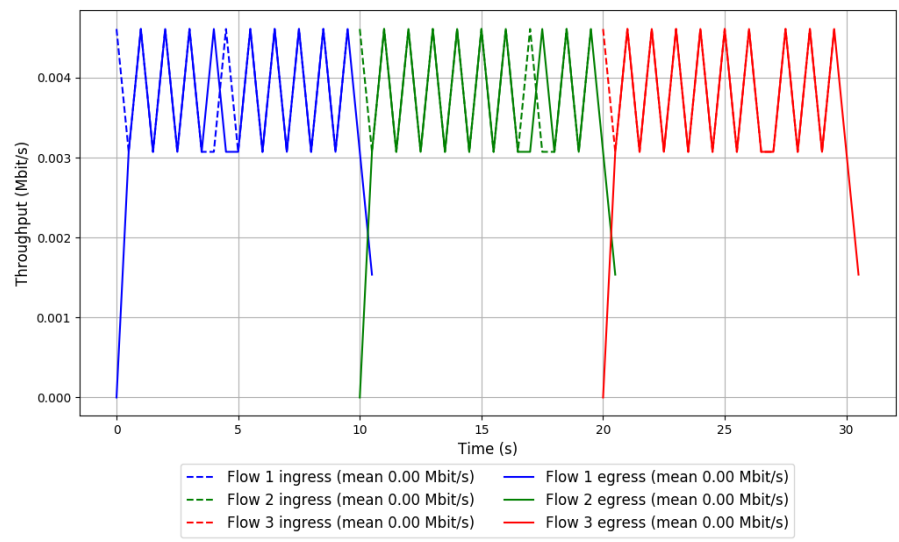
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 111.811 ms

Loss rate: 0.00%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-06-29 20:30:22

End at: 2018-06-29 20:30:52

Local clock offset: -0.291 ms

Remote clock offset: 0.116 ms

Below is generated by plot.py at 2018-06-29 22:14:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 111.813 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 111.562 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 111.834 ms

Loss rate: 0.00%

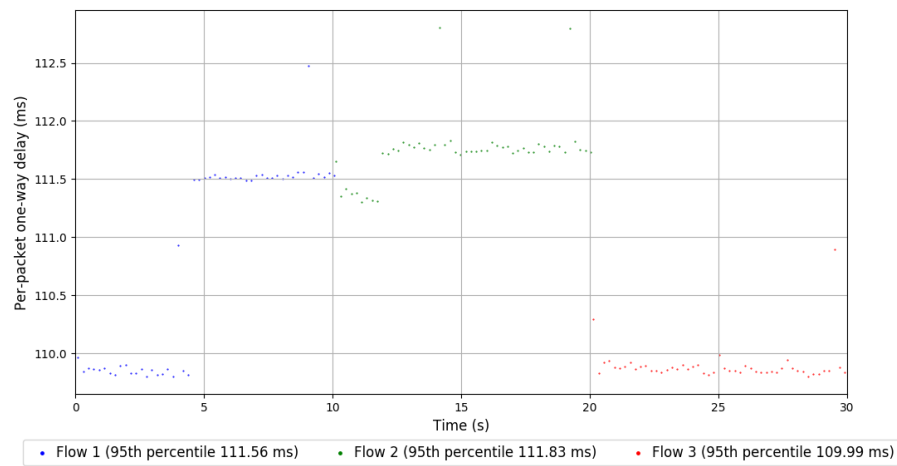
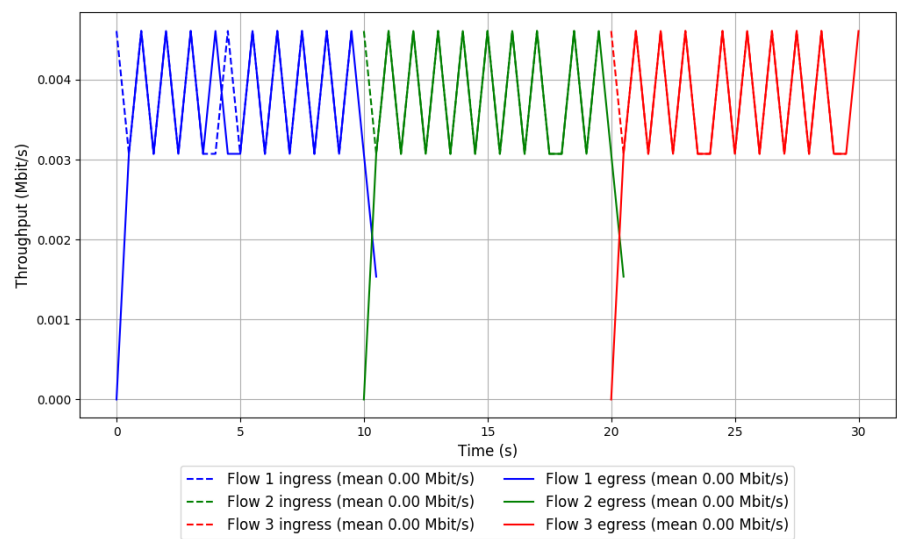
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 109.987 ms

Loss rate: 0.00%

Run 10: Report of FillP-Sheep — Data Link

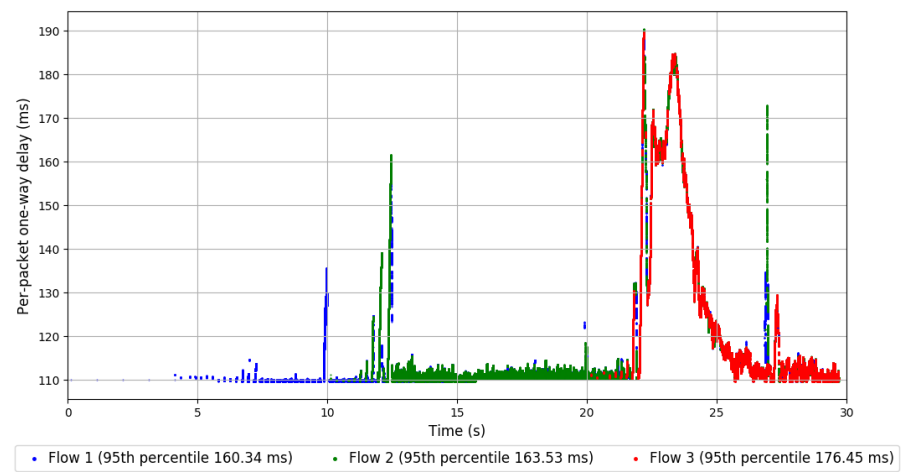
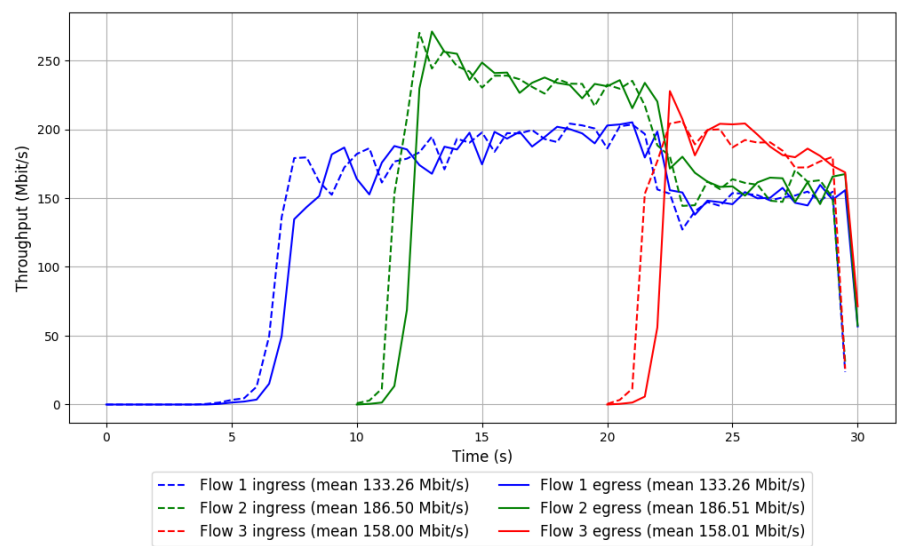


Run 1: Statistics of Indigo

Start at: 2018-06-29 16:42:38
End at: 2018-06-29 16:43:08
Local clock offset: -0.104 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2018-06-29 22:14:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 307.65 Mbit/s
95th percentile per-packet one-way delay: 164.692 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 133.26 Mbit/s
95th percentile per-packet one-way delay: 160.340 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 186.51 Mbit/s
95th percentile per-packet one-way delay: 163.530 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 158.01 Mbit/s
95th percentile per-packet one-way delay: 176.448 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-06-29 17:08:02

End at: 2018-06-29 17:08:32

Local clock offset: -0.147 ms

Remote clock offset: 0.128 ms

Below is generated by plot.py at 2018-06-29 22:14:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 319.88 Mbit/s

95th percentile per-packet one-way delay: 128.583 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 144.19 Mbit/s

95th percentile per-packet one-way delay: 123.833 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 204.25 Mbit/s

95th percentile per-packet one-way delay: 128.750 ms

Loss rate: 0.01%

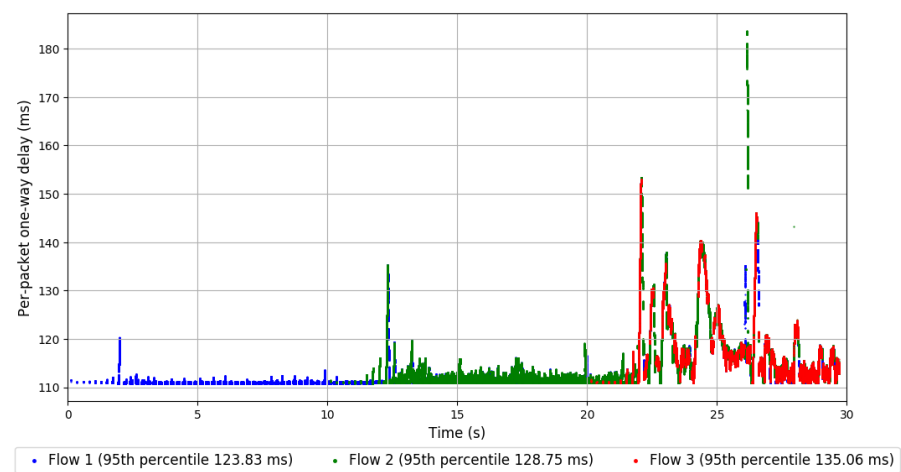
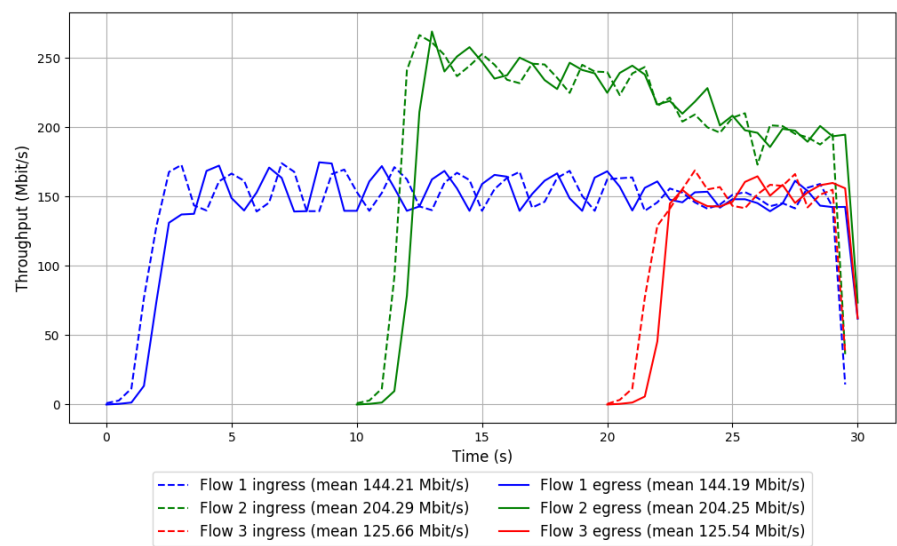
-- Flow 3:

Average throughput: 125.54 Mbit/s

95th percentile per-packet one-way delay: 135.065 ms

Loss rate: 0.08%

Run 2: Report of Indigo — Data Link

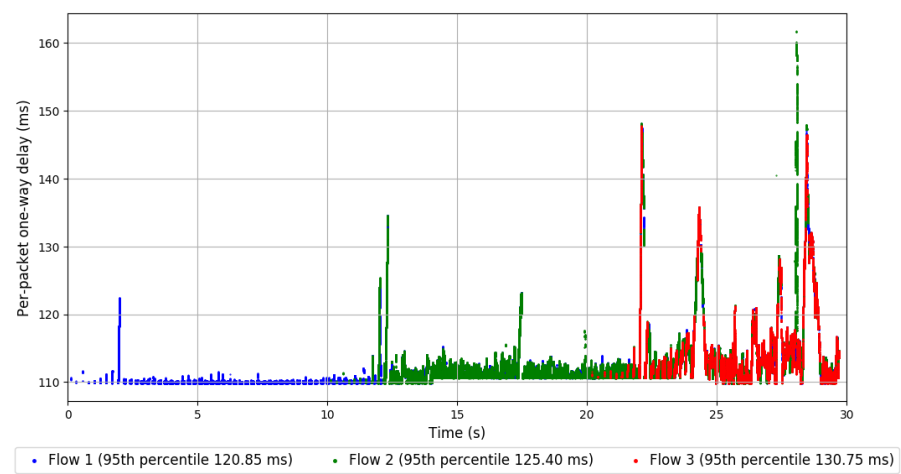
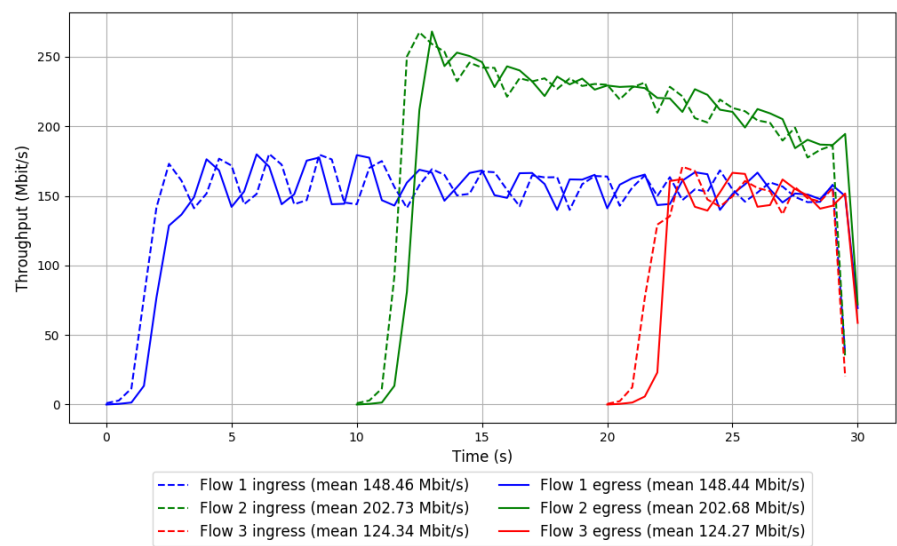


Run 3: Statistics of Indigo

Start at: 2018-06-29 17:33:40
End at: 2018-06-29 17:34:10
Local clock offset: -0.149 ms
Remote clock offset: -0.315 ms

Below is generated by plot.py at 2018-06-29 22:14:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 322.54 Mbit/s
95th percentile per-packet one-way delay: 124.947 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 148.44 Mbit/s
95th percentile per-packet one-way delay: 120.852 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 202.68 Mbit/s
95th percentile per-packet one-way delay: 125.403 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 124.27 Mbit/s
95th percentile per-packet one-way delay: 130.755 ms
Loss rate: 0.05%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-06-29 17:59:18

End at: 2018-06-29 17:59:48

Local clock offset: -1.334 ms

Remote clock offset: 0.351 ms

Below is generated by plot.py at 2018-06-29 22:14:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 279.54 Mbit/s

95th percentile per-packet one-way delay: 115.933 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 145.43 Mbit/s

95th percentile per-packet one-way delay: 115.236 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 141.61 Mbit/s

95th percentile per-packet one-way delay: 115.450 ms

Loss rate: 0.00%

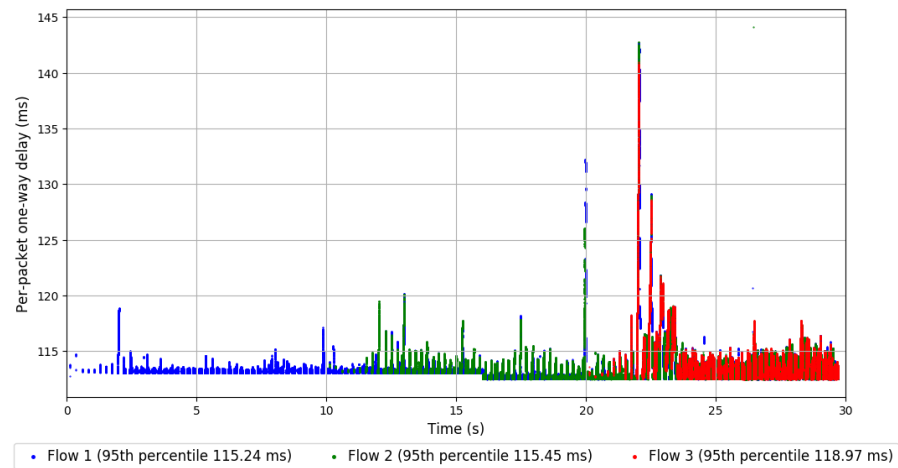
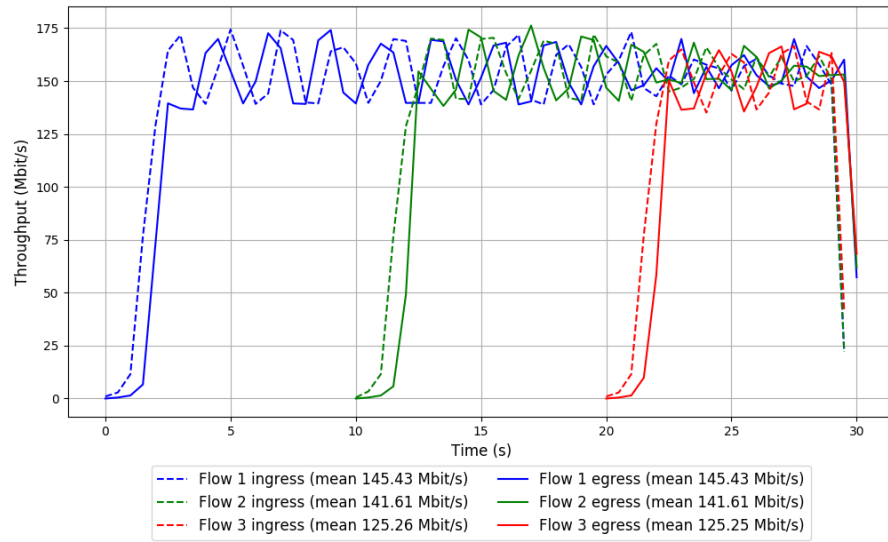
-- Flow 3:

Average throughput: 125.25 Mbit/s

95th percentile per-packet one-way delay: 118.968 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

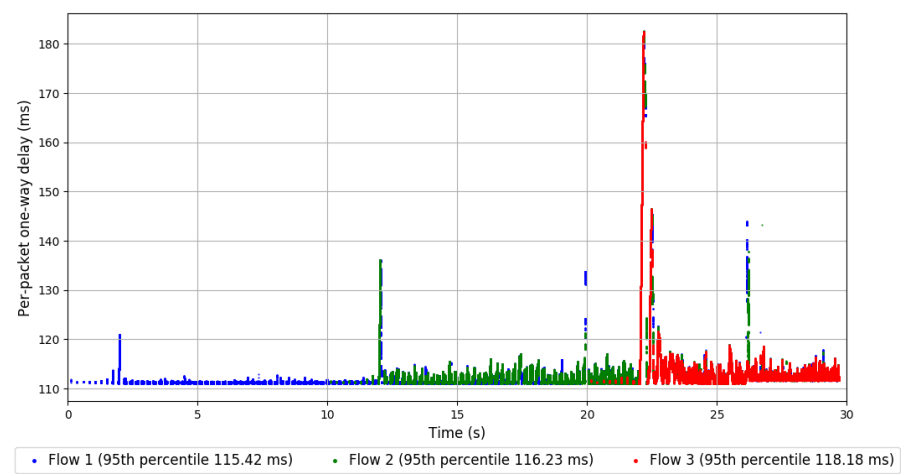
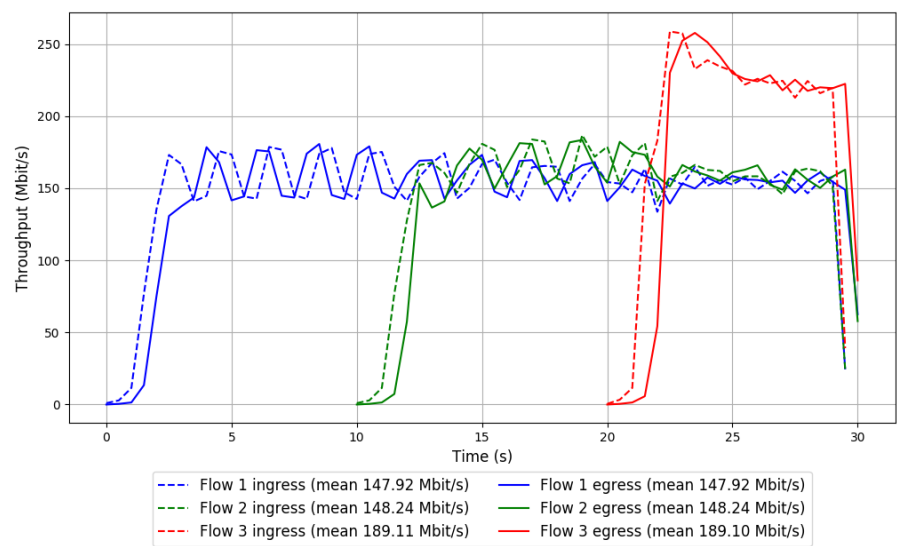


Run 5: Statistics of Indigo

Start at: 2018-06-29 18:24:38
End at: 2018-06-29 18:25:08
Local clock offset: -0.273 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2018-06-29 22:14:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 306.95 Mbit/s
95th percentile per-packet one-way delay: 116.062 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 147.92 Mbit/s
95th percentile per-packet one-way delay: 115.417 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 148.24 Mbit/s
95th percentile per-packet one-way delay: 116.230 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 189.10 Mbit/s
95th percentile per-packet one-way delay: 118.179 ms
Loss rate: 0.01%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-06-29 18:50:26

End at: 2018-06-29 18:50:56

Local clock offset: -0.449 ms

Remote clock offset: -0.32 ms

Below is generated by plot.py at 2018-06-29 22:14:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 304.12 Mbit/s

95th percentile per-packet one-way delay: 117.195 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 147.35 Mbit/s

95th percentile per-packet one-way delay: 115.595 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 145.40 Mbit/s

95th percentile per-packet one-way delay: 117.483 ms

Loss rate: 0.02%

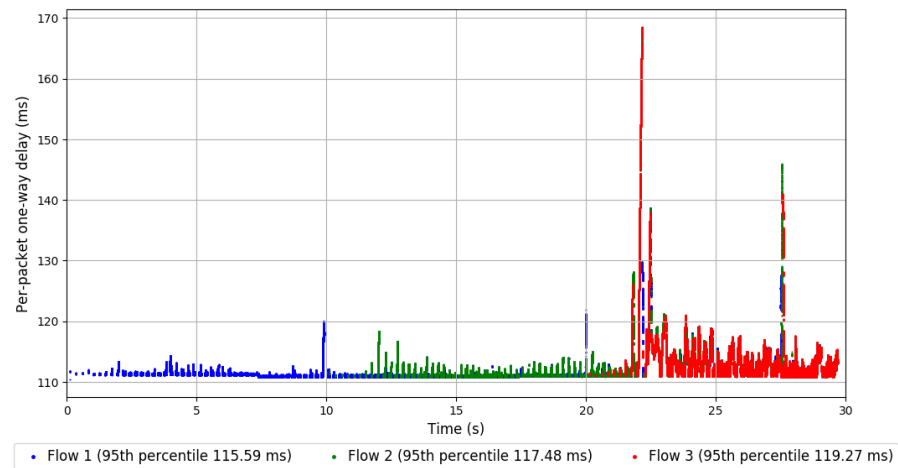
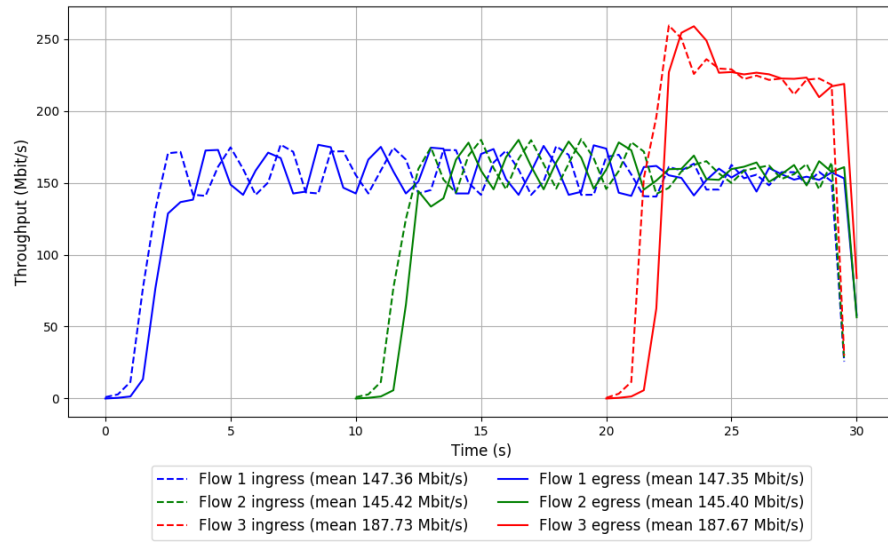
-- Flow 3:

Average throughput: 187.67 Mbit/s

95th percentile per-packet one-way delay: 119.274 ms

Loss rate: 0.03%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-06-29 19:15:56

End at: 2018-06-29 19:16:26

Local clock offset: 0.004 ms

Remote clock offset: 0.397 ms

Below is generated by plot.py at 2018-06-29 22:14:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 302.02 Mbit/s

95th percentile per-packet one-way delay: 119.827 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 147.48 Mbit/s

95th percentile per-packet one-way delay: 117.005 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 141.38 Mbit/s

95th percentile per-packet one-way delay: 119.774 ms

Loss rate: 0.01%

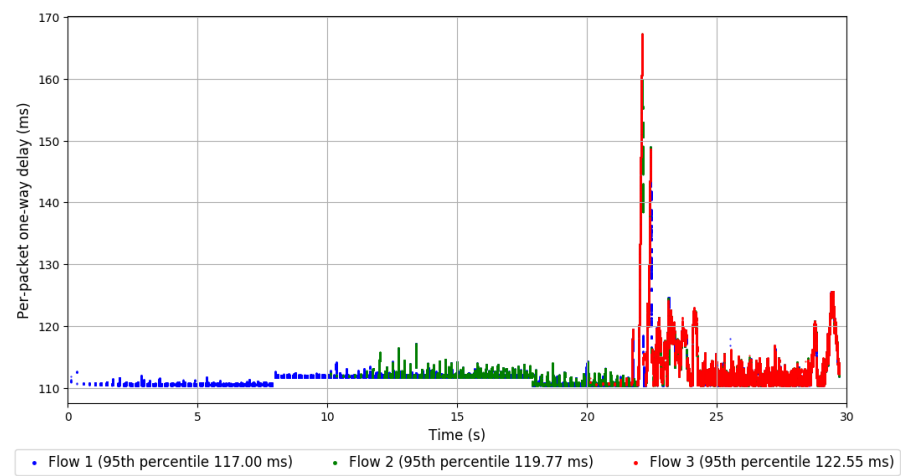
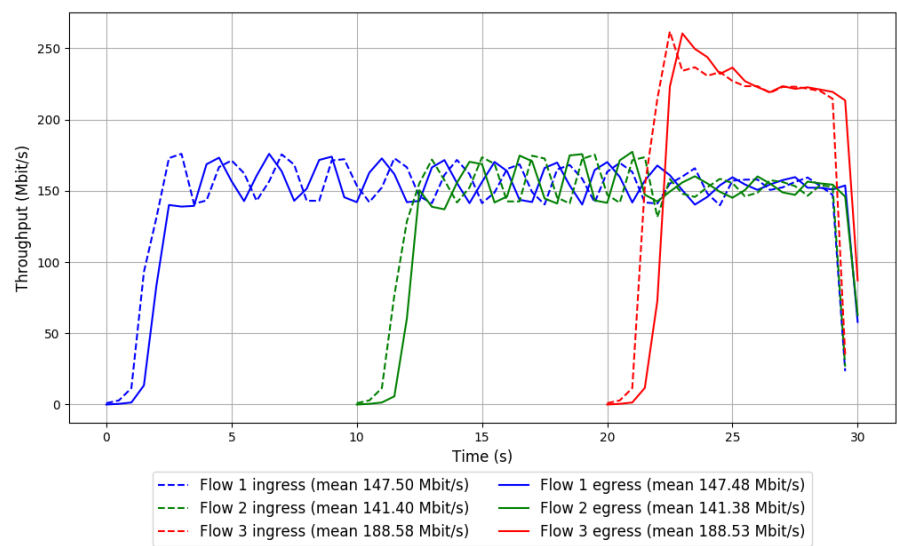
-- Flow 3:

Average throughput: 188.53 Mbit/s

95th percentile per-packet one-way delay: 122.554 ms

Loss rate: 0.01%

Run 7: Report of Indigo — Data Link

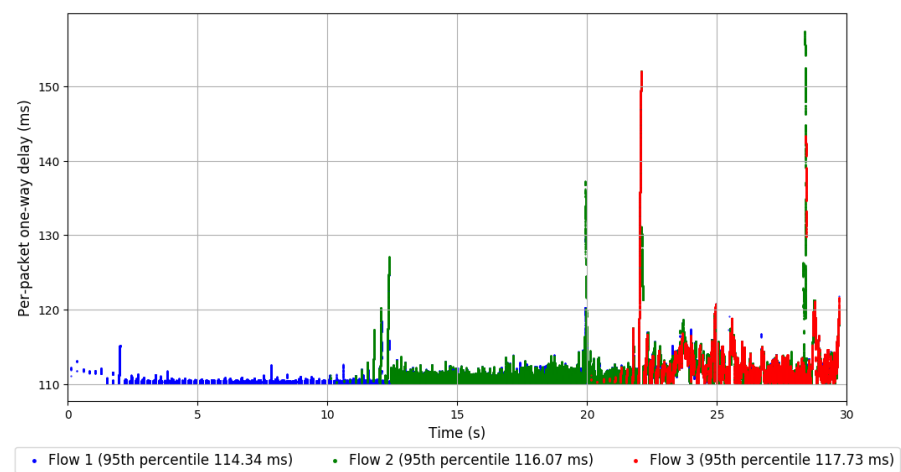
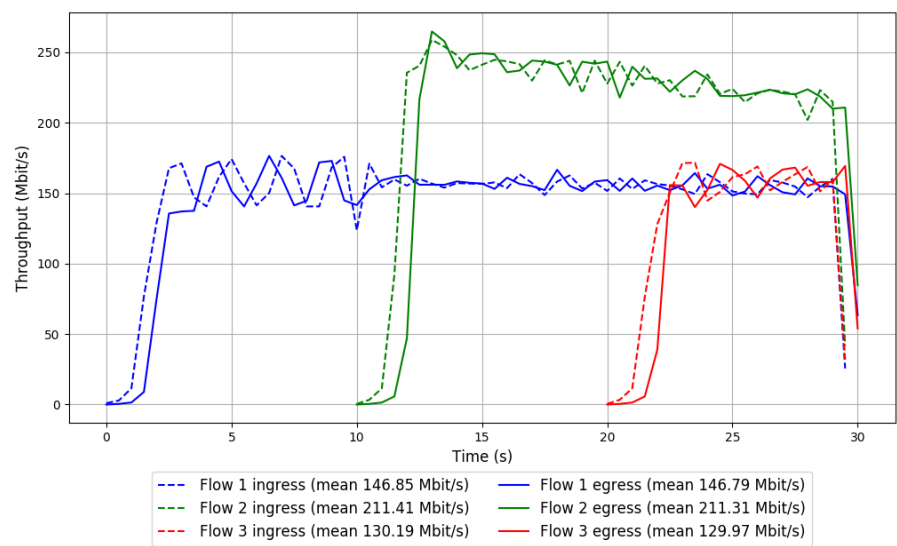


Run 8: Statistics of Indigo

Start at: 2018-06-29 19:41:43
End at: 2018-06-29 19:42:13
Local clock offset: -0.184 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-06-29 22:14:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 328.46 Mbit/s
95th percentile per-packet one-way delay: 115.331 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 146.79 Mbit/s
95th percentile per-packet one-way delay: 114.339 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 211.31 Mbit/s
95th percentile per-packet one-way delay: 116.072 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 129.97 Mbit/s
95th percentile per-packet one-way delay: 117.733 ms
Loss rate: 0.19%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-06-29 20:07:38

End at: 2018-06-29 20:08:08

Local clock offset: -0.122 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-06-29 22:14:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 281.83 Mbit/s

95th percentile per-packet one-way delay: 114.837 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 145.97 Mbit/s

95th percentile per-packet one-way delay: 114.285 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 142.77 Mbit/s

95th percentile per-packet one-way delay: 115.368 ms

Loss rate: 0.00%

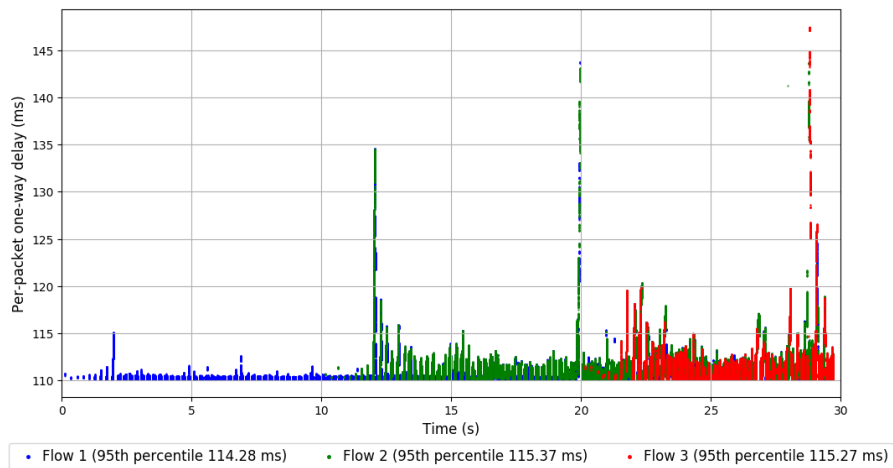
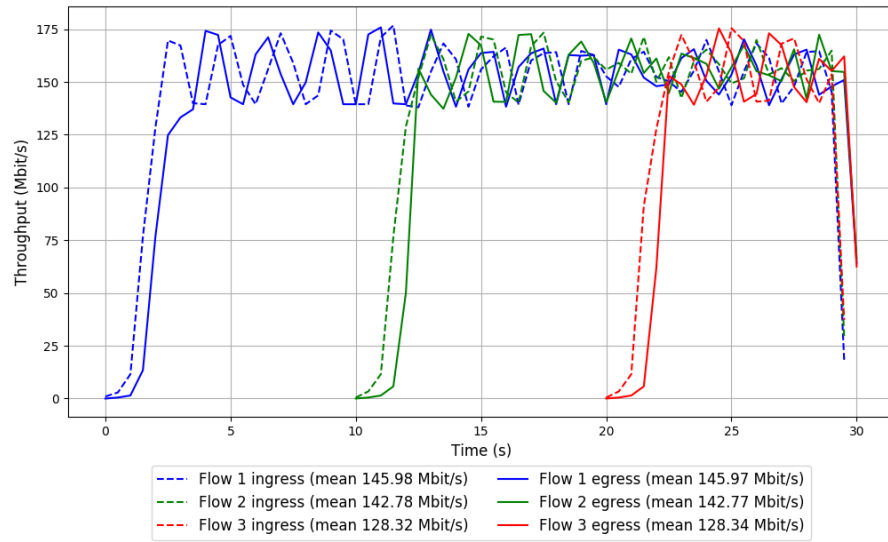
-- Flow 3:

Average throughput: 128.34 Mbit/s

95th percentile per-packet one-way delay: 115.267 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-06-29 20:33:13

End at: 2018-06-29 20:33:43

Local clock offset: 0.125 ms

Remote clock offset: 0.105 ms

Below is generated by plot.py at 2018-06-29 22:14:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 284.01 Mbit/s

95th percentile per-packet one-way delay: 114.689 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 147.35 Mbit/s

95th percentile per-packet one-way delay: 114.577 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 140.79 Mbit/s

95th percentile per-packet one-way delay: 115.311 ms

Loss rate: 0.00%

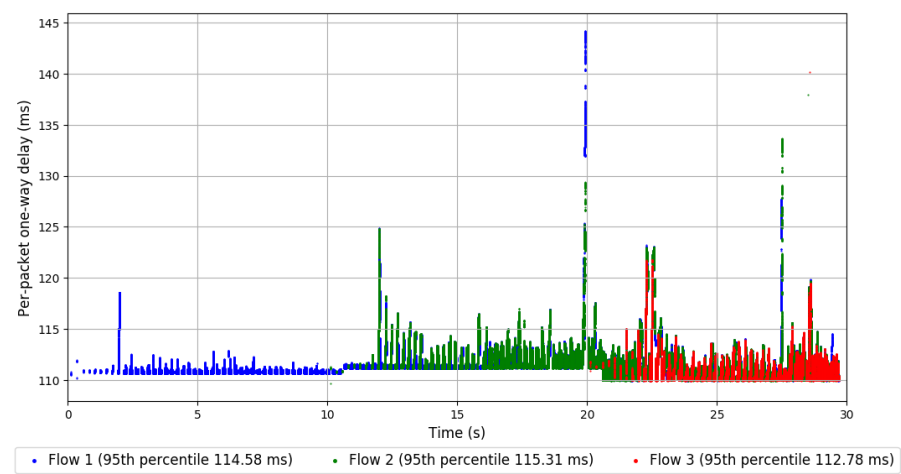
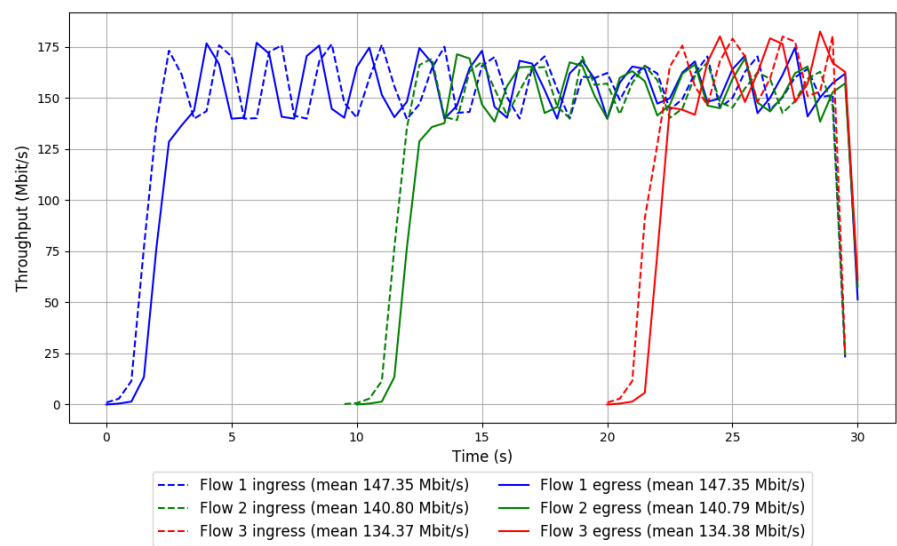
-- Flow 3:

Average throughput: 134.38 Mbit/s

95th percentile per-packet one-way delay: 112.775 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

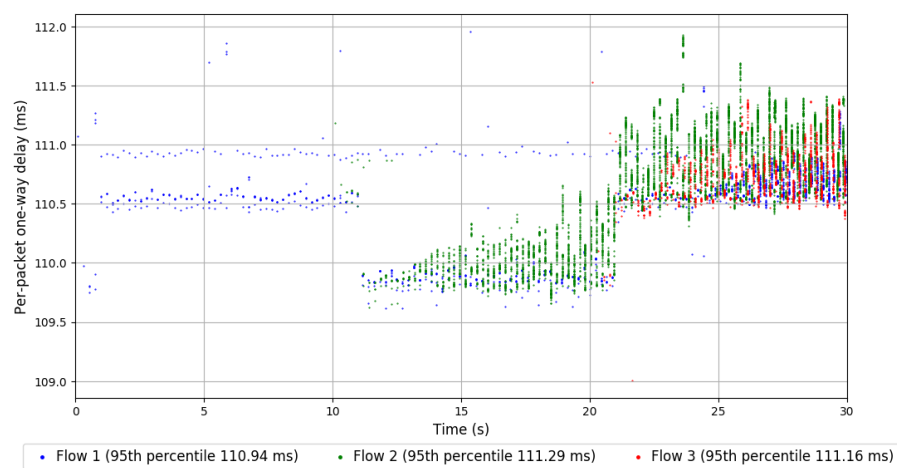
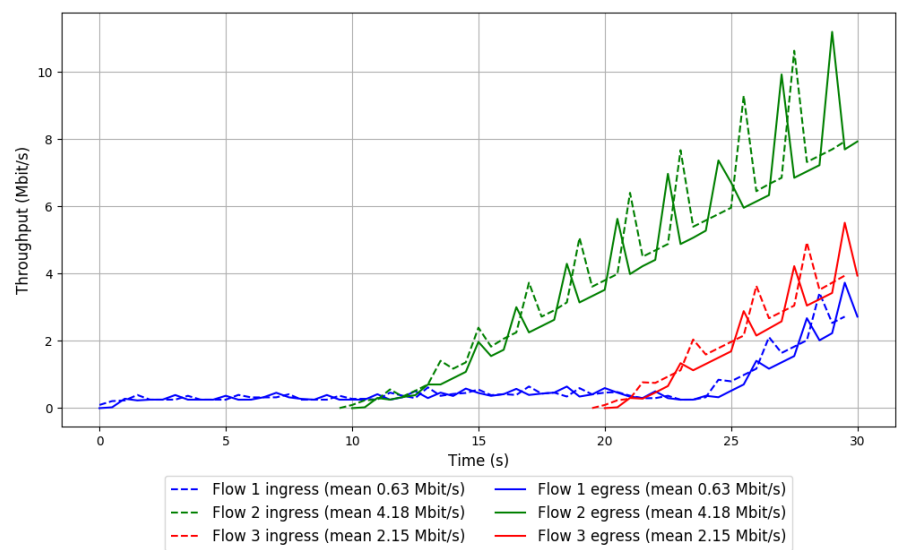


Run 1: Statistics of LEDBAT

Start at: 2018-06-29 16:58:23
End at: 2018-06-29 16:58:53
Local clock offset: -0.041 ms
Remote clock offset: -0.285 ms

Below is generated by plot.py at 2018-06-29 22:14:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.10 Mbit/s
95th percentile per-packet one-way delay: 111.267 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 110.941 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: 111.291 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 111.156 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-06-29 17:24:02

End at: 2018-06-29 17:24:32

Local clock offset: -0.351 ms

Remote clock offset: 0.148 ms

Below is generated by plot.py at 2018-06-29 22:14:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 9.27 Mbit/s

95th percentile per-packet one-way delay: 112.265 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 5.38 Mbit/s

95th percentile per-packet one-way delay: 112.370 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.70 Mbit/s

95th percentile per-packet one-way delay: 112.035 ms

Loss rate: 0.00%

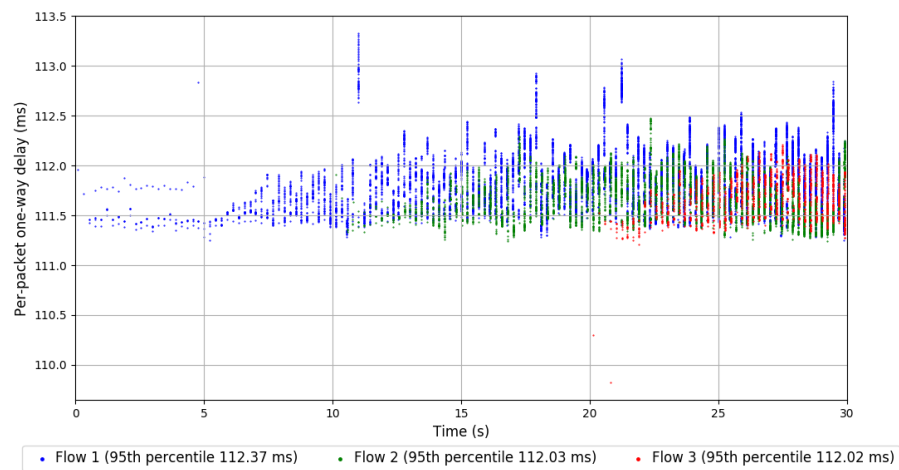
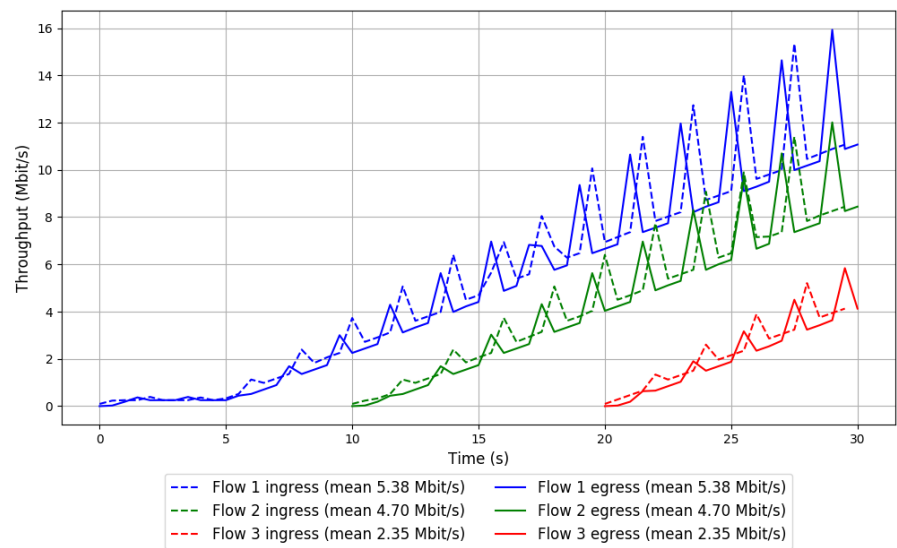
-- Flow 3:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 112.016 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-06-29 17:49:48

End at: 2018-06-29 17:50:18

Local clock offset: 0.089 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-06-29 22:14:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.22 Mbit/s

95th percentile per-packet one-way delay: 112.435 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.25 Mbit/s

95th percentile per-packet one-way delay: 112.461 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.84 Mbit/s

95th percentile per-packet one-way delay: 112.383 ms

Loss rate: 0.00%

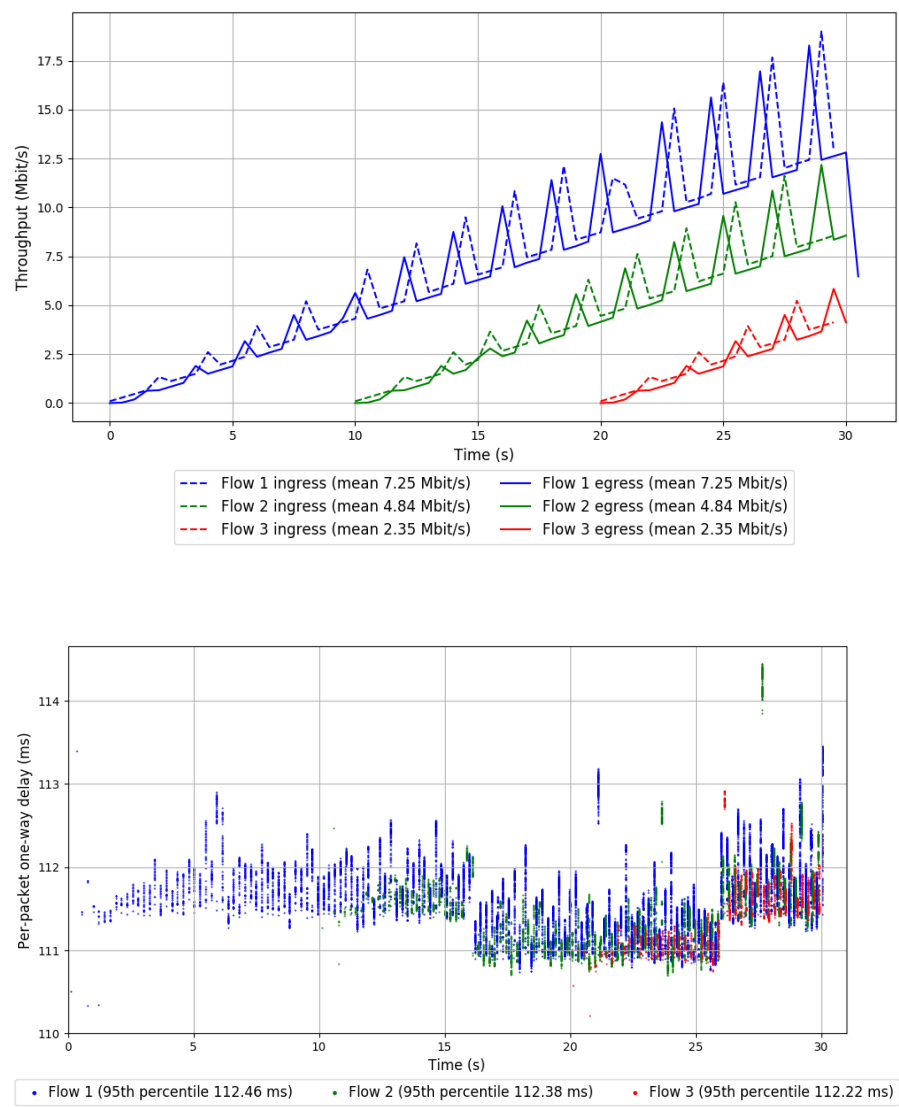
-- Flow 3:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 112.218 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

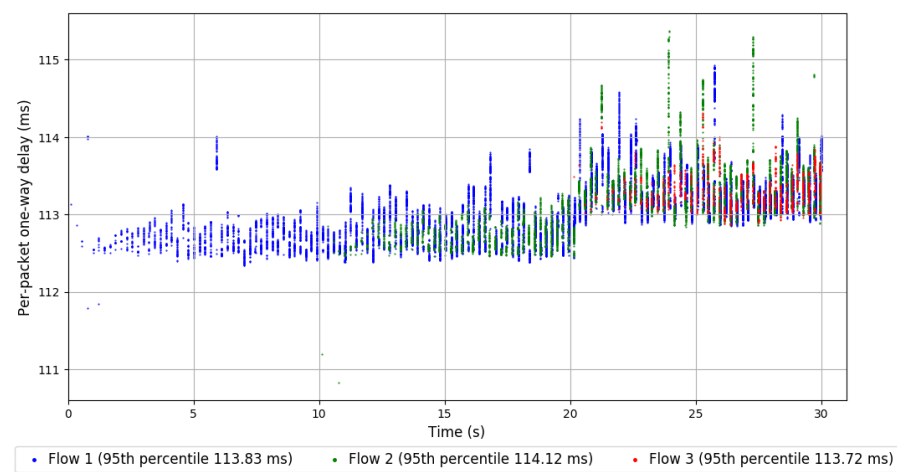
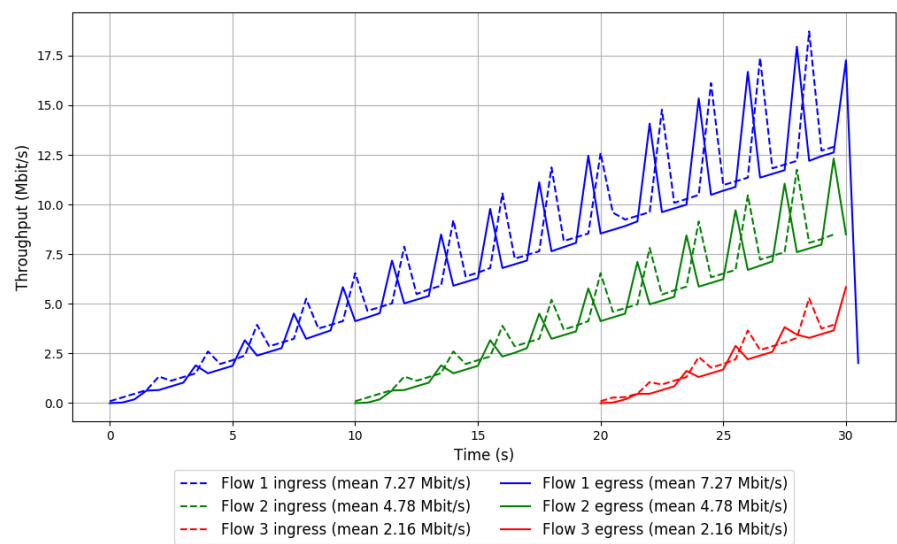


Run 4: Statistics of LEDBAT

Start at: 2018-06-29 18:15:04
End at: 2018-06-29 18:15:34
Local clock offset: -1.472 ms
Remote clock offset: -0.084 ms

```
# Below is generated by plot.py at 2018-06-29 22:14:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.15 Mbit/s
95th percentile per-packet one-way delay: 113.852 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.27 Mbit/s
95th percentile per-packet one-way delay: 113.828 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 114.119 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 113.717 ms
Loss rate: 0.00%
```

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-06-29 18:40:49

End at: 2018-06-29 18:41:19

Local clock offset: -0.107 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-06-29 22:14:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 6.94 Mbit/s

95th percentile per-packet one-way delay: 112.334 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 6.20 Mbit/s

95th percentile per-packet one-way delay: 112.516 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 111.692 ms

Loss rate: 0.00%

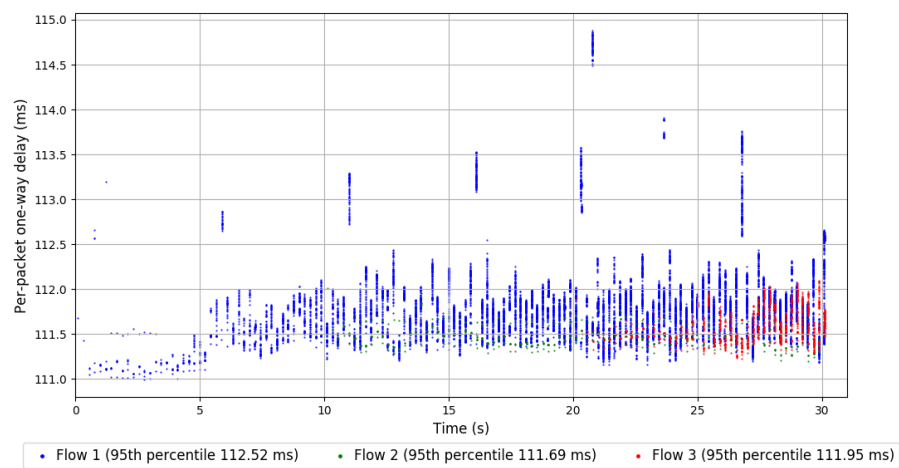
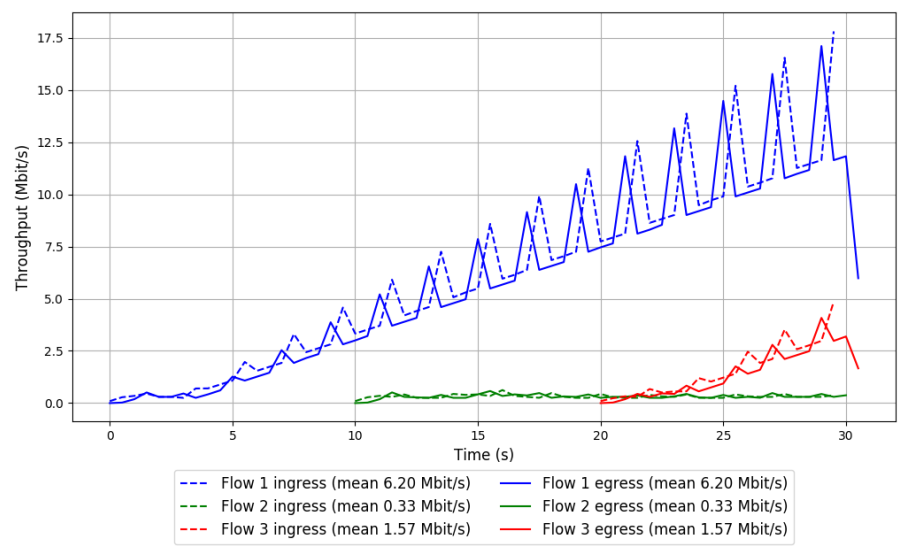
-- Flow 3:

Average throughput: 1.57 Mbit/s

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

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-06-29 19:06:21

End at: 2018-06-29 19:06:51

Local clock offset: 0.13 ms

Remote clock offset: 0.052 ms

Below is generated by plot.py at 2018-06-29 22:14:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.26 Mbit/s

95th percentile per-packet one-way delay: 112.106 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.29 Mbit/s

95th percentile per-packet one-way delay: 112.129 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.84 Mbit/s

95th percentile per-packet one-way delay: 112.089 ms

Loss rate: 0.00%

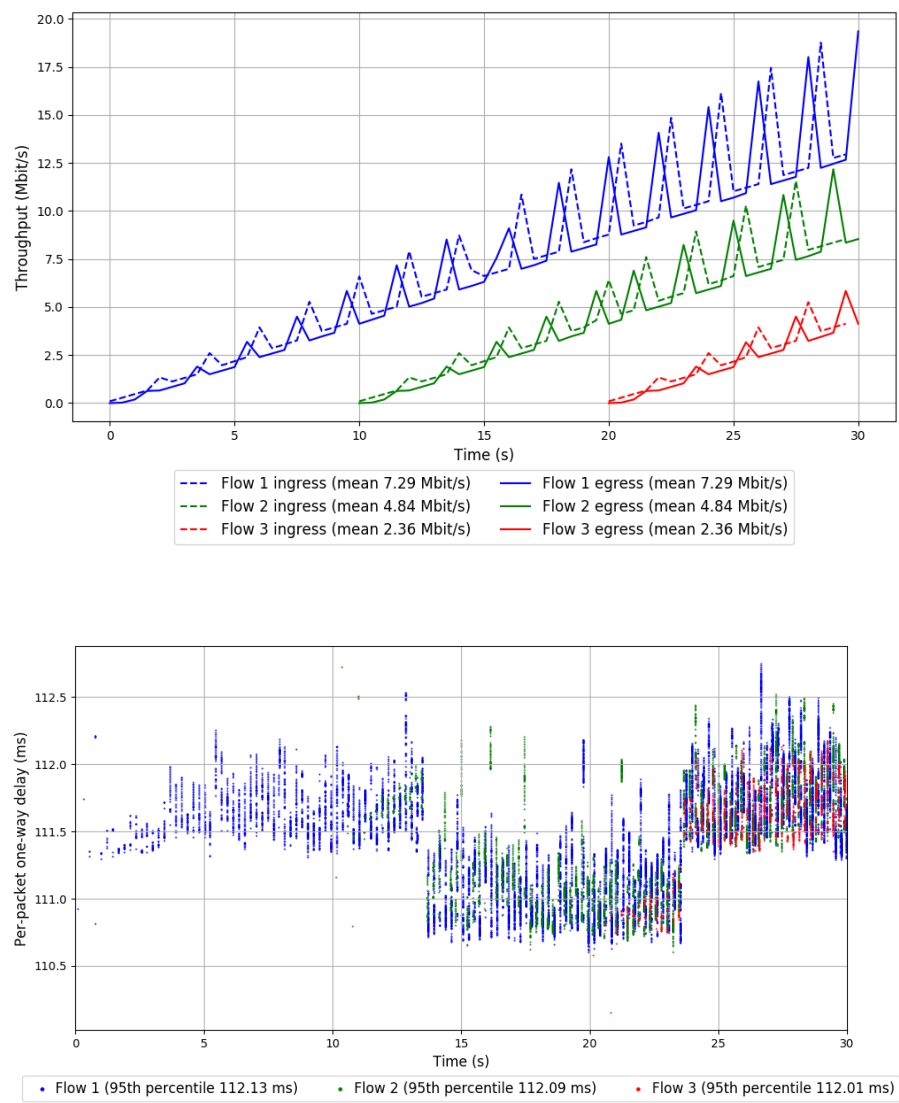
-- Flow 3:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 112.006 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

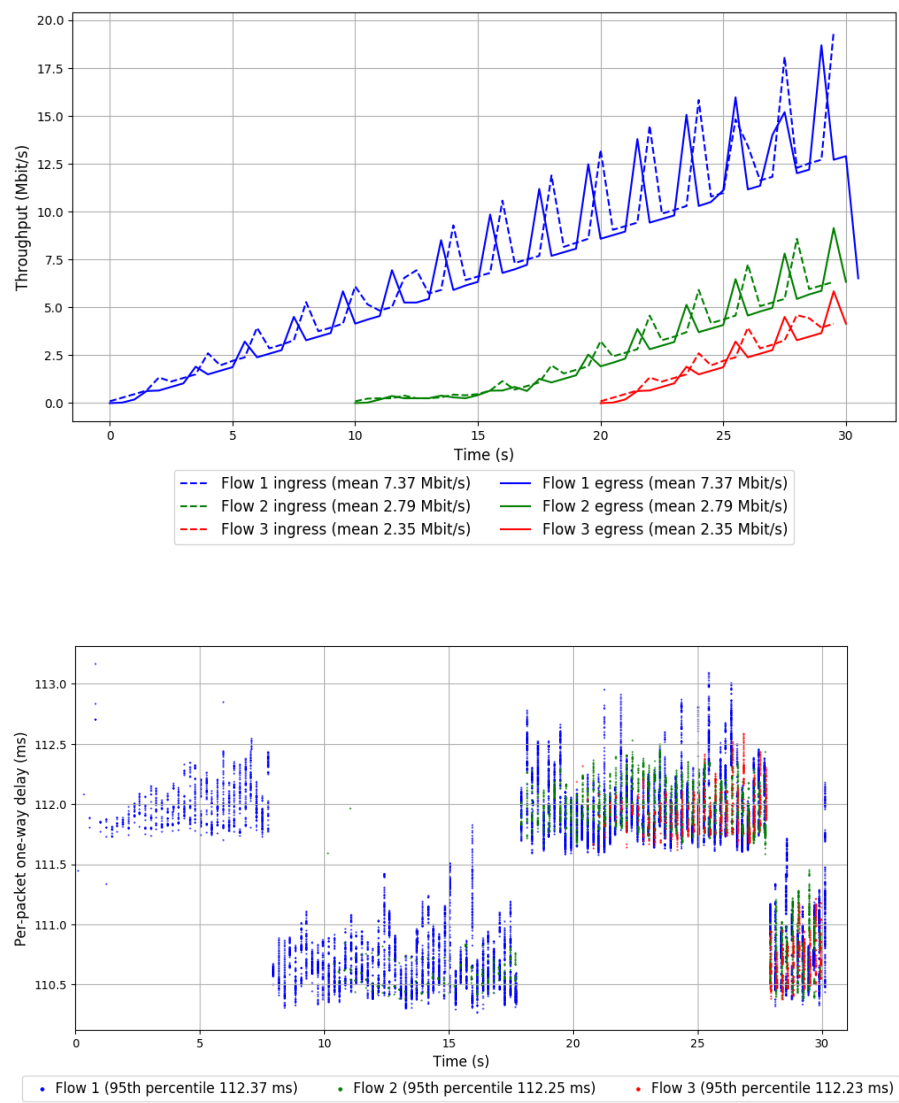


Run 7: Statistics of LEDBAT

Start at: 2018-06-29 19:32:06
End at: 2018-06-29 19:32:36
Local clock offset: -0.189 ms
Remote clock offset: 0.013 ms

```
# Below is generated by plot.py at 2018-06-29 22:14:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 9.98 Mbit/s
95th percentile per-packet one-way delay: 112.332 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.37 Mbit/s
95th percentile per-packet one-way delay: 112.370 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.79 Mbit/s
95th percentile per-packet one-way delay: 112.254 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 112.235 ms
Loss rate: 0.00%
```

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-06-29 19:57:57

End at: 2018-06-29 19:58:27

Local clock offset: -0.062 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-06-29 22:14:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.69 Mbit/s

95th percentile per-packet one-way delay: 112.427 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 6.77 Mbit/s

95th percentile per-packet one-way delay: 112.470 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.82 Mbit/s

95th percentile per-packet one-way delay: 112.357 ms

Loss rate: 0.00%

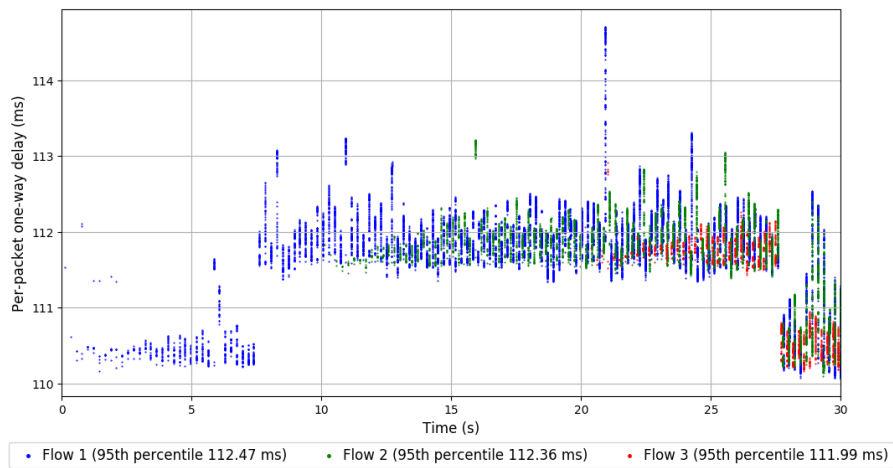
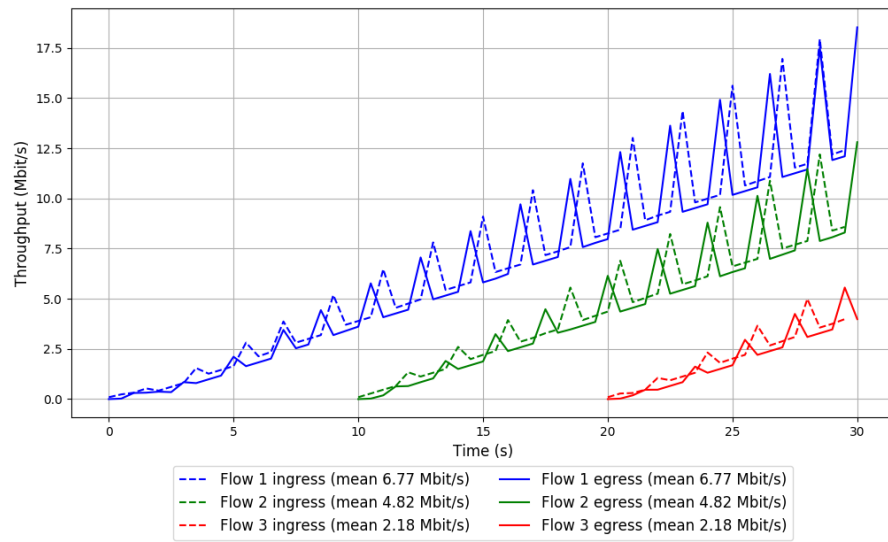
-- Flow 3:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 111.986 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

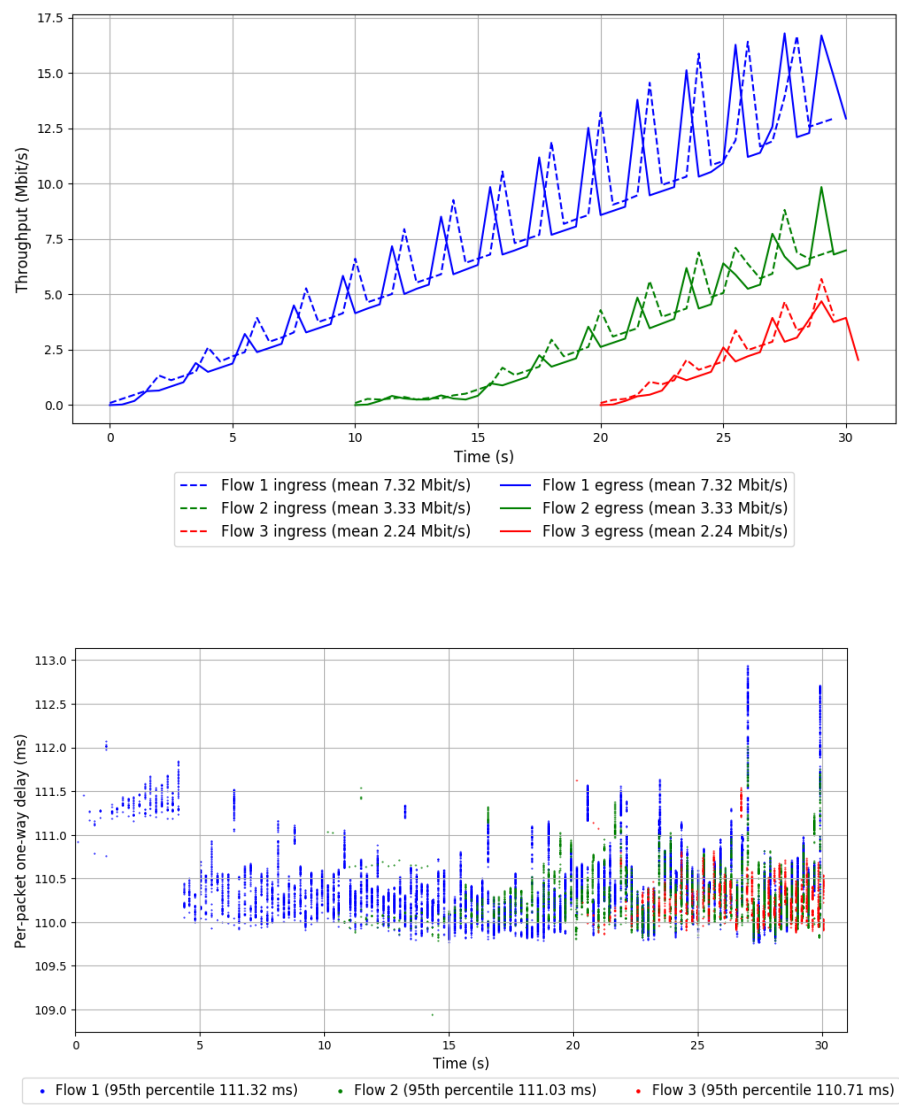


Run 9: Statistics of LEDBAT

Start at: 2018-06-29 20:23:30
End at: 2018-06-29 20:24:00
Local clock offset: -0.1 ms
Remote clock offset: -0.304 ms

Below is generated by plot.py at 2018-06-29 22:14:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.23 Mbit/s
95th percentile per-packet one-way delay: 111.243 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.32 Mbit/s
95th percentile per-packet one-way delay: 111.319 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.33 Mbit/s
95th percentile per-packet one-way delay: 111.030 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 110.707 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-06-29 20:49:06

End at: 2018-06-29 20:49:36

Local clock offset: 1.176 ms

Remote clock offset: 0.478 ms

Below is generated by plot.py at 2018-06-29 22:14:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.27 Mbit/s

95th percentile per-packet one-way delay: 111.614 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.30 Mbit/s

95th percentile per-packet one-way delay: 111.644 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.82 Mbit/s

95th percentile per-packet one-way delay: 111.596 ms

Loss rate: 0.00%

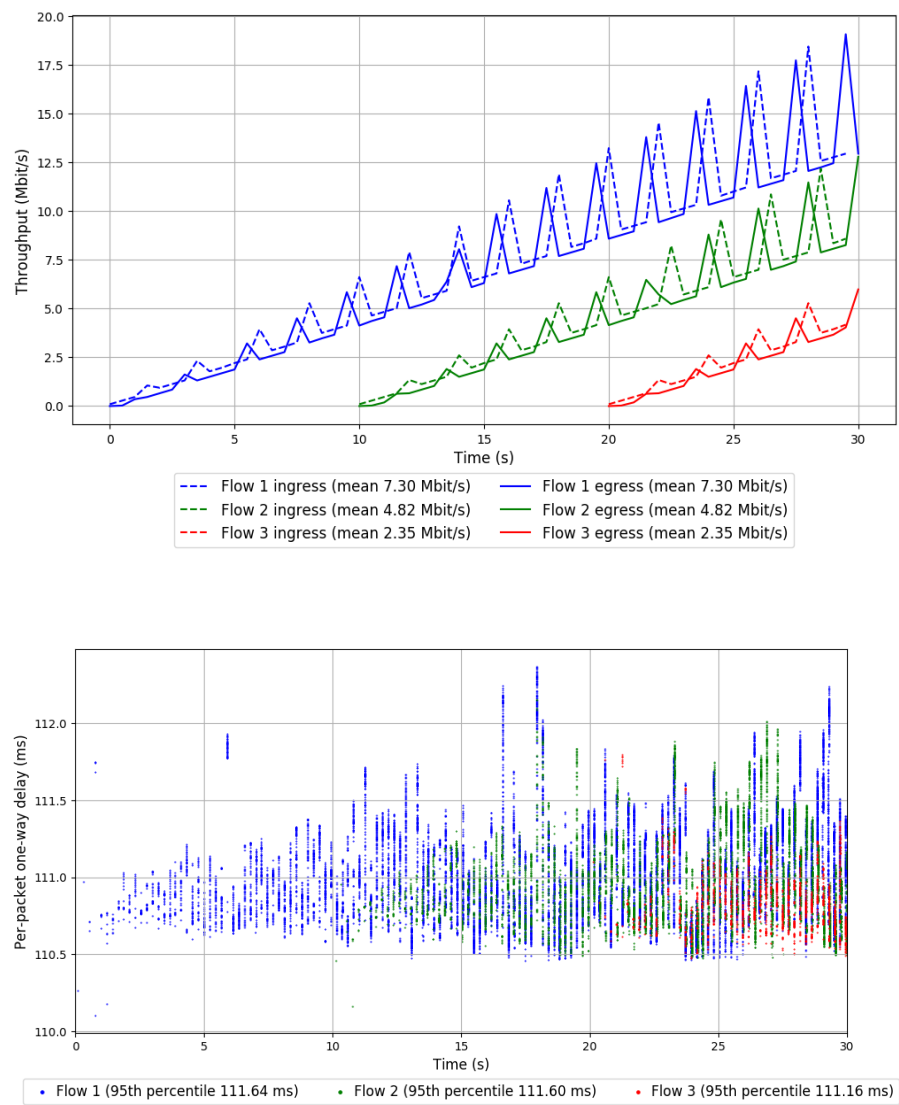
-- Flow 3:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 111.164 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

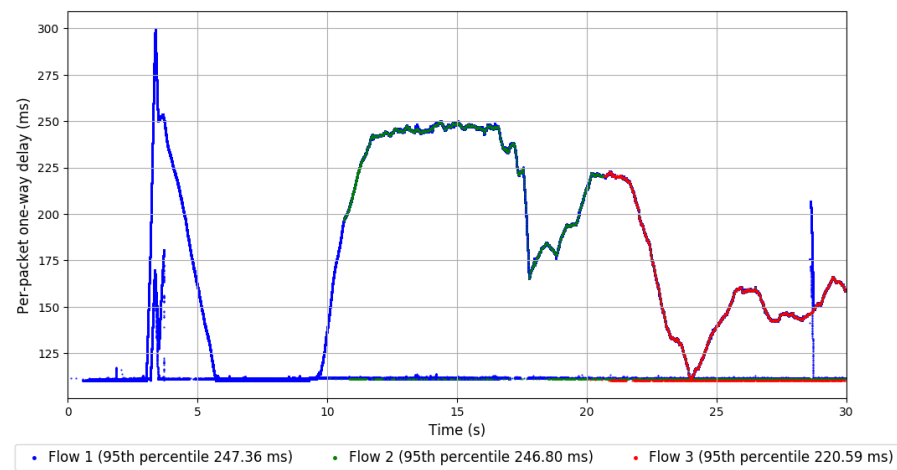
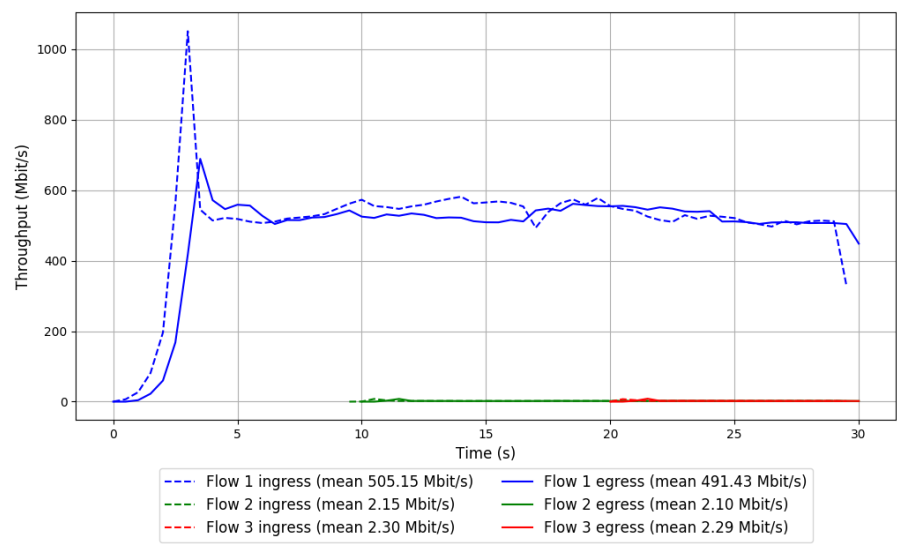


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-06-29 16:44:15
End at: 2018-06-29 16:44:45
Local clock offset: -0.339 ms
Remote clock offset: 0.222 ms

# Below is generated by plot.py at 2018-06-29 22:14:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 493.57 Mbit/s
95th percentile per-packet one-way delay: 247.356 ms
Loss rate: 2.71%
-- Flow 1:
Average throughput: 491.43 Mbit/s
95th percentile per-packet one-way delay: 247.360 ms
Loss rate: 2.72%
-- Flow 2:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 246.800 ms
Loss rate: 2.36%
-- Flow 3:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 220.594 ms
Loss rate: 0.37%
```

Run 1: Report of PCC-Allegro — Data Link

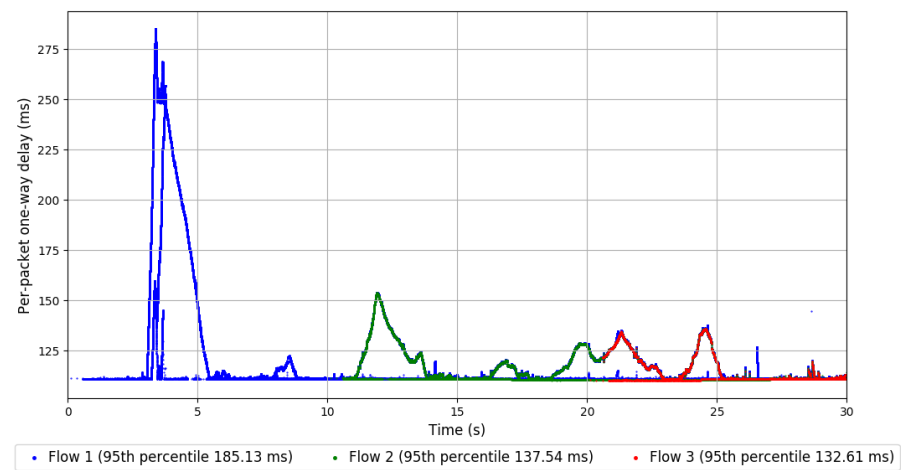
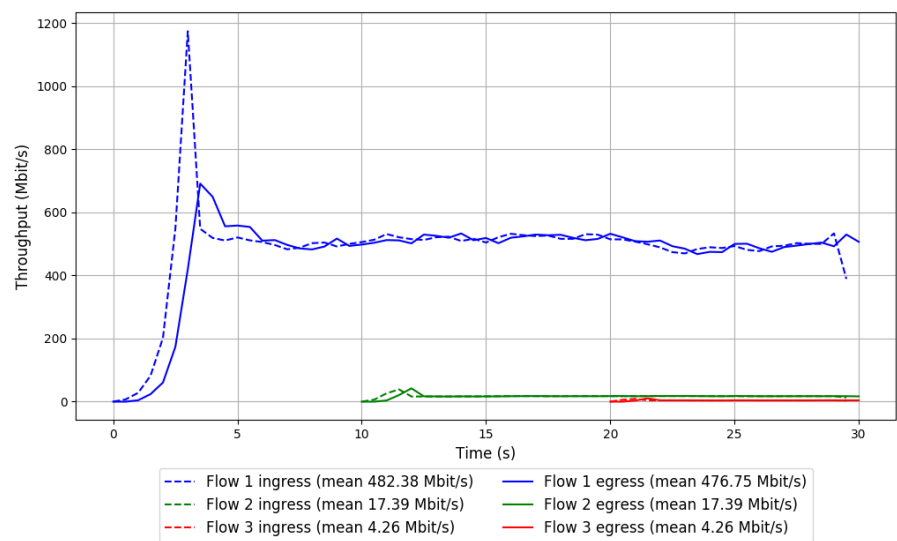


Run 2: Statistics of PCC-Allegro

Start at: 2018-06-29 17:09:40
End at: 2018-06-29 17:10:10
Local clock offset: -0.163 ms
Remote clock offset: -0.257 ms

Below is generated by plot.py at 2018-06-29 22:14:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 489.68 Mbit/s
95th percentile per-packet one-way delay: 182.060 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 476.75 Mbit/s
95th percentile per-packet one-way delay: 185.130 ms
Loss rate: 1.17%
-- Flow 2:
Average throughput: 17.39 Mbit/s
95th percentile per-packet one-way delay: 137.544 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 132.608 ms
Loss rate: 0.00%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-06-29 17:35:17

End at: 2018-06-29 17:35:47

Local clock offset: 1.188 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2018-06-29 22:14:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 485.33 Mbit/s

95th percentile per-packet one-way delay: 212.544 ms

Loss rate: 1.05%

-- Flow 1:

Average throughput: 476.74 Mbit/s

95th percentile per-packet one-way delay: 213.415 ms

Loss rate: 1.07%

-- Flow 2:

Average throughput: 4.50 Mbit/s

95th percentile per-packet one-way delay: 177.655 ms

Loss rate: 0.00%

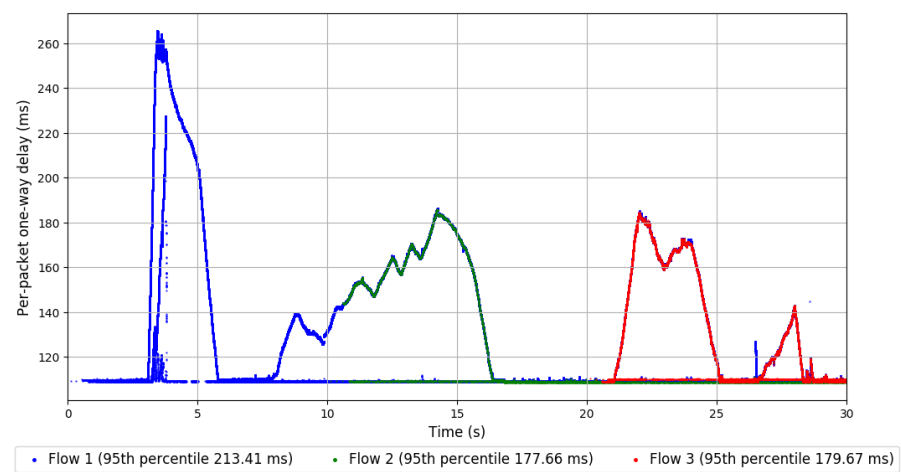
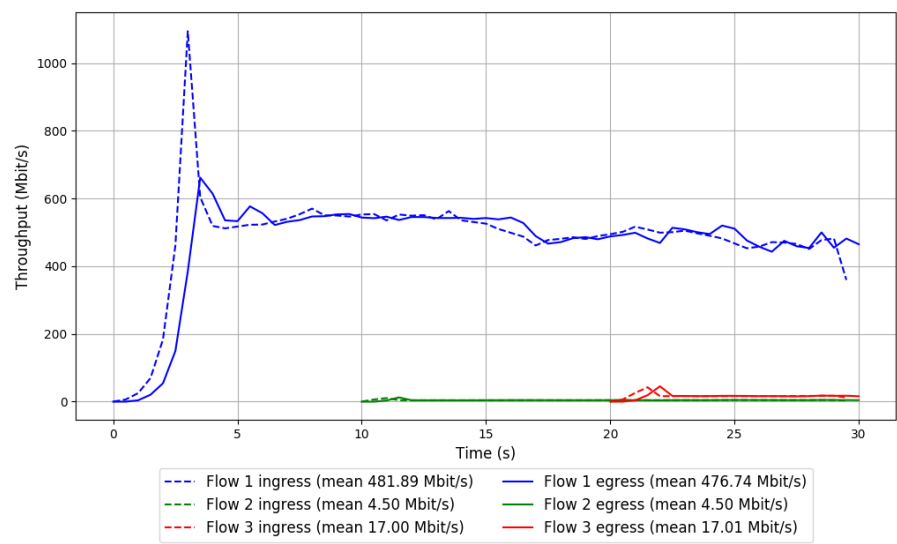
-- Flow 3:

Average throughput: 17.01 Mbit/s

95th percentile per-packet one-way delay: 179.674 ms

Loss rate: 0.00%

Run 3: Report of PCC-Allegro — Data Link

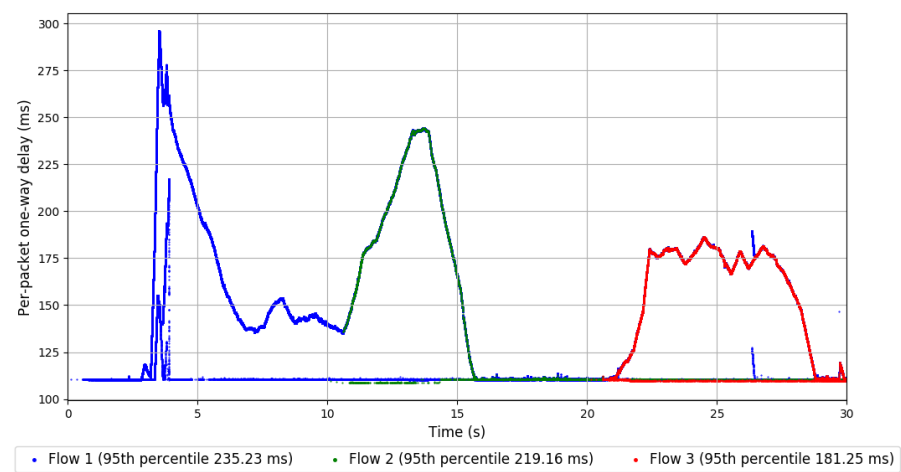
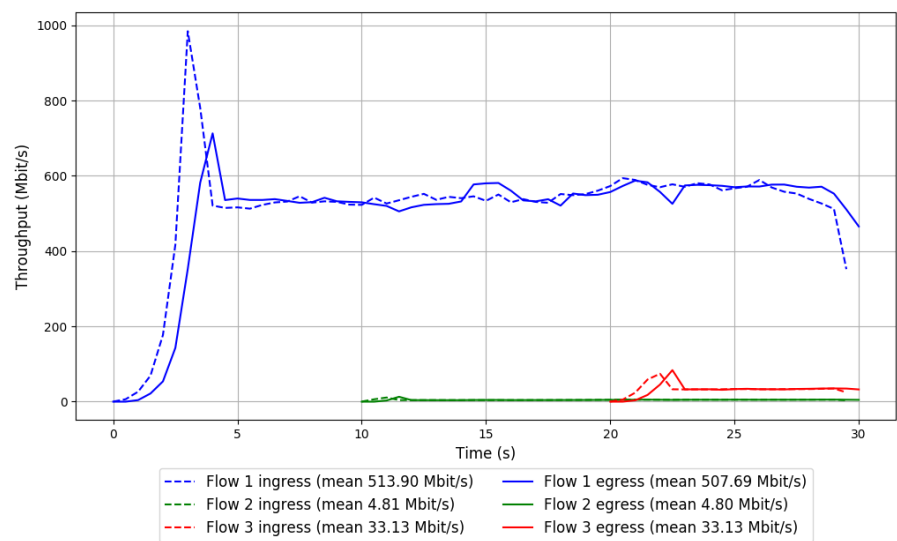


Run 4: Statistics of PCC-Allegro

Start at: 2018-06-29 18:00:52
End at: 2018-06-29 18:01:22
Local clock offset: 0.145 ms
Remote clock offset: -0.445 ms

Below is generated by plot.py at 2018-06-29 22:14:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 521.79 Mbit/s
95th percentile per-packet one-way delay: 234.286 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 507.69 Mbit/s
95th percentile per-packet one-way delay: 235.227 ms
Loss rate: 1.21%
-- Flow 2:
Average throughput: 4.80 Mbit/s
95th percentile per-packet one-way delay: 219.156 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 33.13 Mbit/s
95th percentile per-packet one-way delay: 181.251 ms
Loss rate: 0.00%

Run 4: Report of PCC-Allegro — Data Link

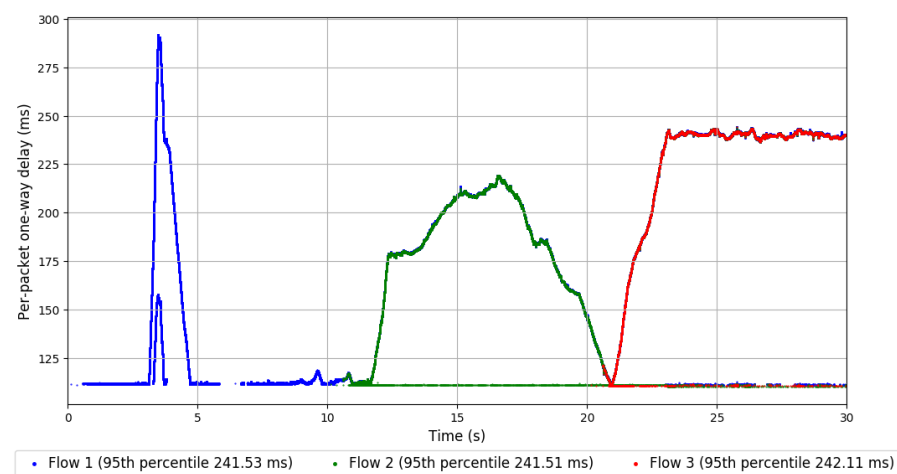
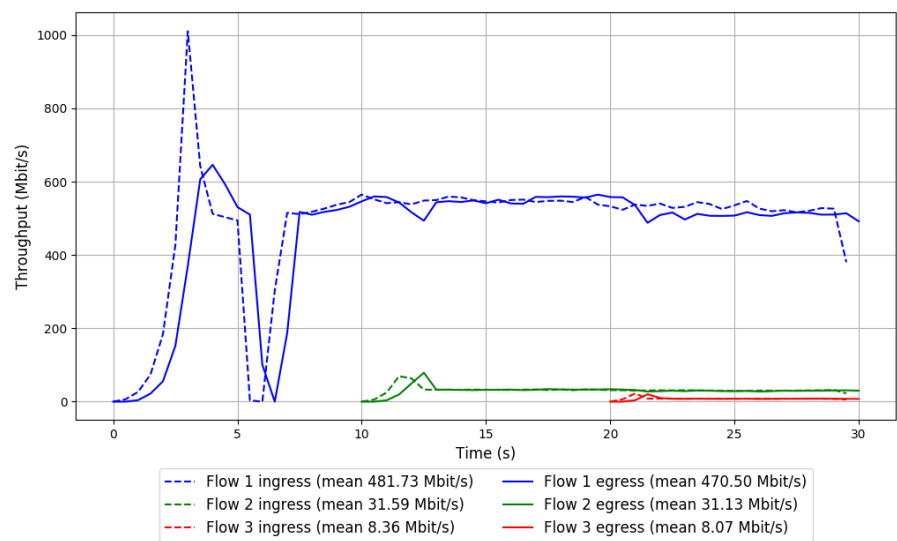


Run 5: Statistics of PCC-Allegro

Start at: 2018-06-29 18:26:14
End at: 2018-06-29 18:26:44
Local clock offset: -0.239 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2018-06-29 22:14:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 493.84 Mbit/s
95th percentile per-packet one-way delay: 241.537 ms
Loss rate: 2.30%
-- Flow 1:
Average throughput: 470.50 Mbit/s
95th percentile per-packet one-way delay: 241.533 ms
Loss rate: 2.33%
-- Flow 2:
Average throughput: 31.13 Mbit/s
95th percentile per-packet one-way delay: 241.514 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 8.07 Mbit/s
95th percentile per-packet one-way delay: 242.109 ms
Loss rate: 3.50%

Run 5: Report of PCC-Allegro — Data Link

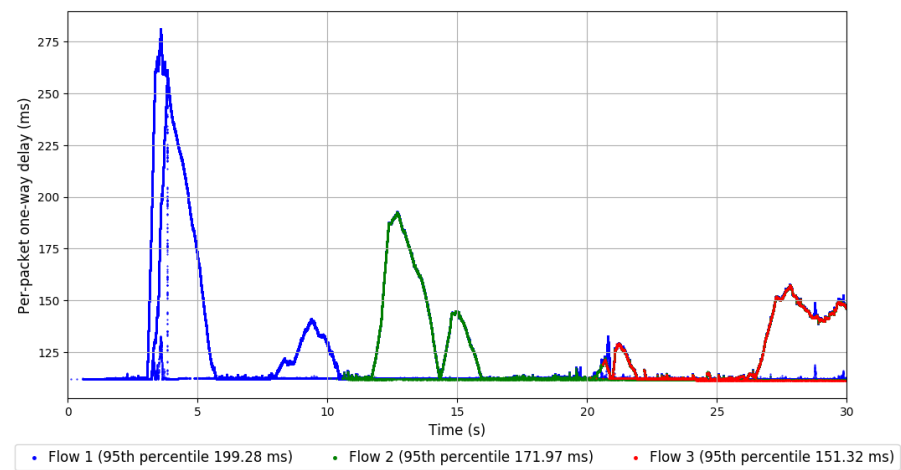
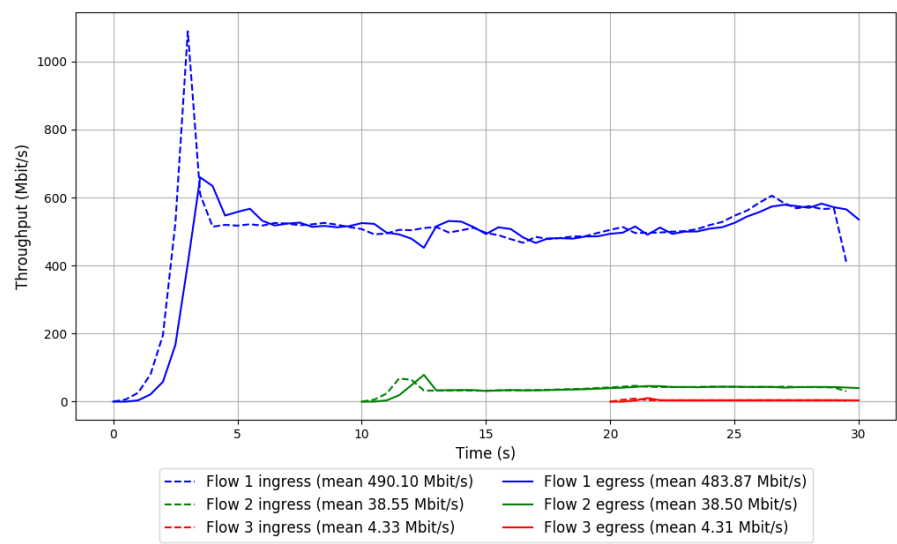


Run 6: Statistics of PCC-Allegro

Start at: 2018-06-29 18:52:03
End at: 2018-06-29 18:52:33
Local clock offset: -1.589 ms
Remote clock offset: -0.312 ms

Below is generated by plot.py at 2018-06-29 22:14:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 510.88 Mbit/s
95th percentile per-packet one-way delay: 194.649 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 483.87 Mbit/s
95th percentile per-packet one-way delay: 199.281 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 38.50 Mbit/s
95th percentile per-packet one-way delay: 171.968 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 151.322 ms
Loss rate: 0.31%

Run 6: Report of PCC-Allegro — Data Link

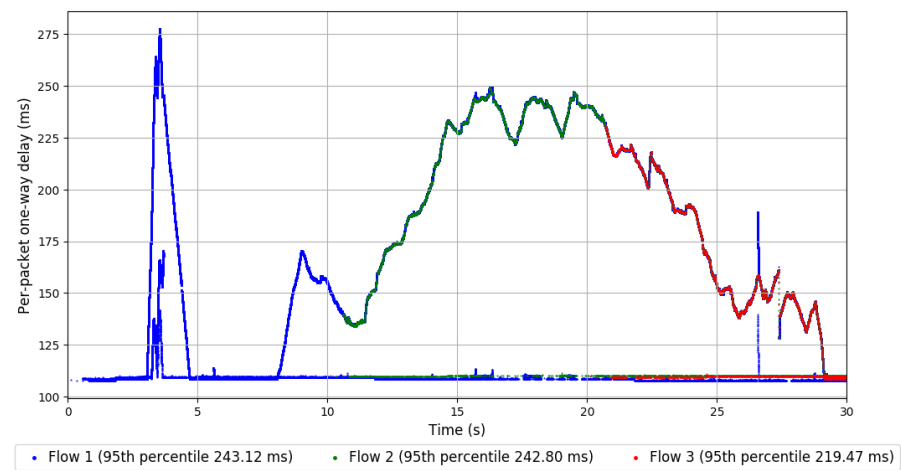
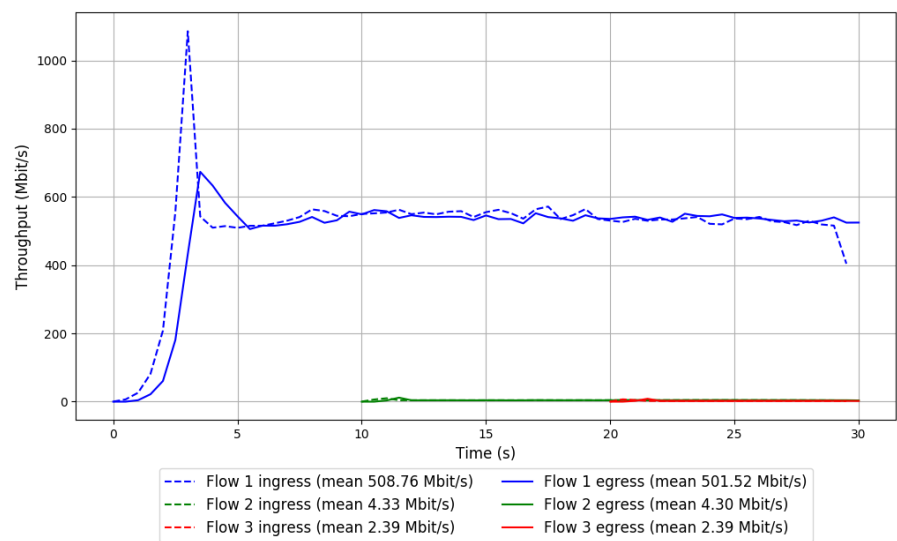


Run 7: Statistics of PCC-Allegro

Start at: 2018-06-29 19:17:32
End at: 2018-06-29 19:18:02
Local clock offset: 1.109 ms
Remote clock offset: -0.358 ms

Below is generated by plot.py at 2018-06-29 22:14:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 505.16 Mbit/s
95th percentile per-packet one-way delay: 243.111 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 501.52 Mbit/s
95th percentile per-packet one-way delay: 243.120 ms
Loss rate: 1.42%
-- Flow 2:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 242.796 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 219.467 ms
Loss rate: 0.00%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-29 19:43:21

End at: 2018-06-29 19:43:51

Local clock offset: -1.484 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-06-29 22:14:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 472.21 Mbit/s

95th percentile per-packet one-way delay: 249.526 ms

Loss rate: 3.18%

-- Flow 1:

Average throughput: 440.12 Mbit/s

95th percentile per-packet one-way delay: 249.528 ms

Loss rate: 3.22%

-- Flow 2:

Average throughput: 32.47 Mbit/s

95th percentile per-packet one-way delay: 249.226 ms

Loss rate: 2.41%

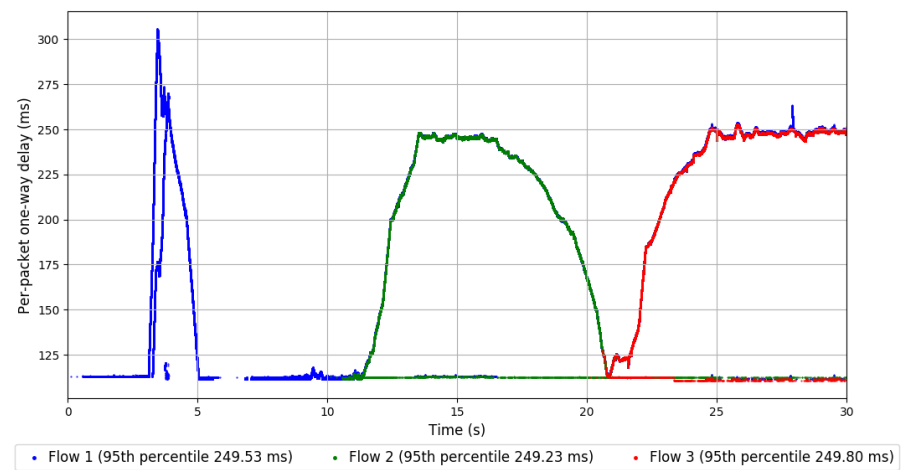
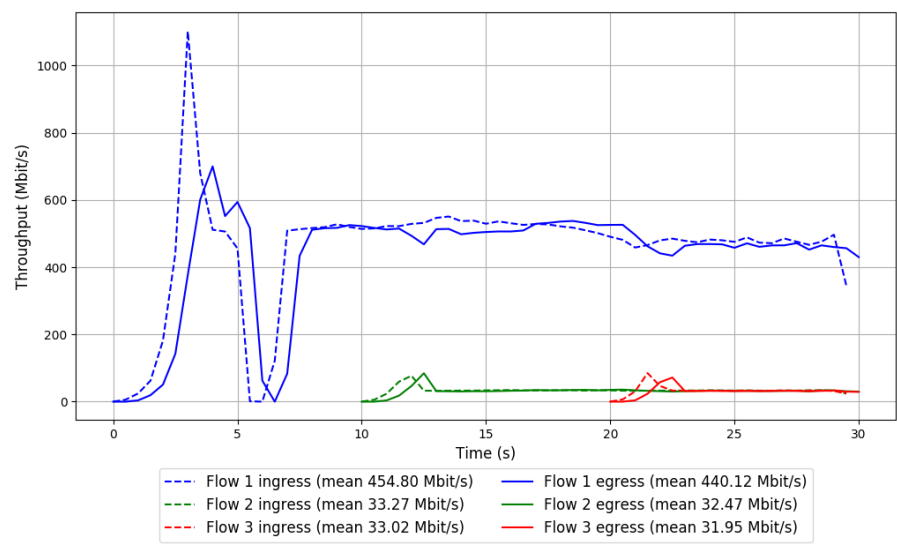
-- Flow 3:

Average throughput: 31.95 Mbit/s

95th percentile per-packet one-way delay: 249.796 ms

Loss rate: 3.18%

Run 8: Report of PCC-Allegro — Data Link

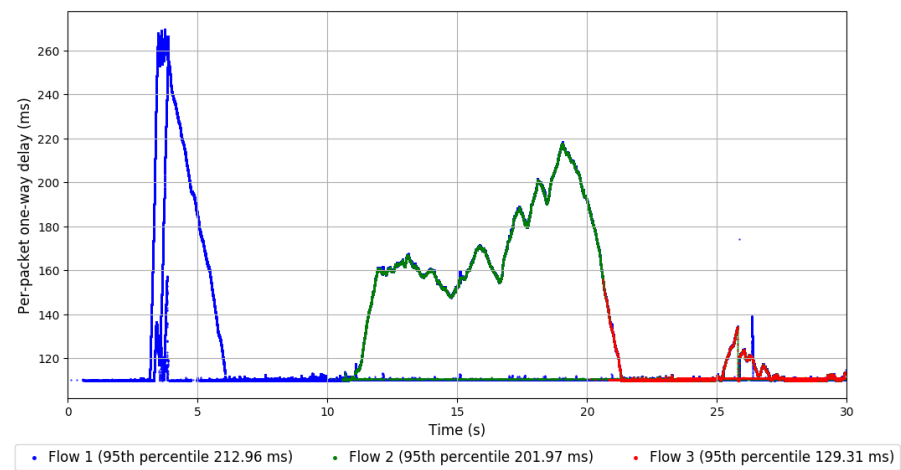
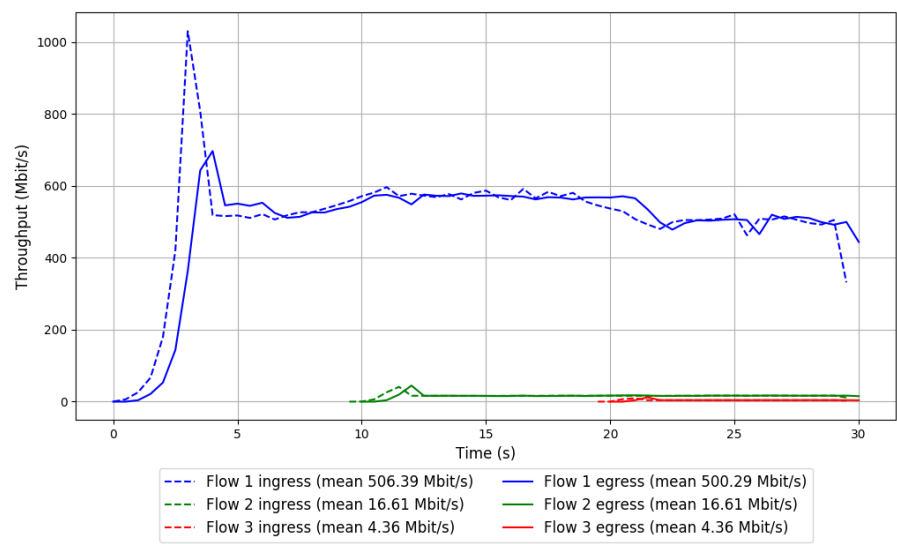


Run 9: Statistics of PCC-Allegro

Start at: 2018-06-29 20:09:13
End at: 2018-06-29 20:09:43
Local clock offset: -0.245 ms
Remote clock offset: -0.336 ms

```
# Below is generated by plot.py at 2018-06-29 22:14:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 512.77 Mbit/s
95th percentile per-packet one-way delay: 212.838 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 500.29 Mbit/s
95th percentile per-packet one-way delay: 212.961 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 16.61 Mbit/s
95th percentile per-packet one-way delay: 201.969 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: 129.312 ms
Loss rate: 0.00%
```

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-06-29 20:34:48

End at: 2018-06-29 20:35:18

Local clock offset: 0.041 ms

Remote clock offset: 0.097 ms

Below is generated by plot.py at 2018-06-29 22:15:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 483.60 Mbit/s

95th percentile per-packet one-way delay: 251.307 ms

Loss rate: 3.79%

-- Flow 1:

Average throughput: 462.10 Mbit/s

95th percentile per-packet one-way delay: 251.306 ms

Loss rate: 3.80%

-- Flow 2:

Average throughput: 31.29 Mbit/s

95th percentile per-packet one-way delay: 251.304 ms

Loss rate: 3.60%

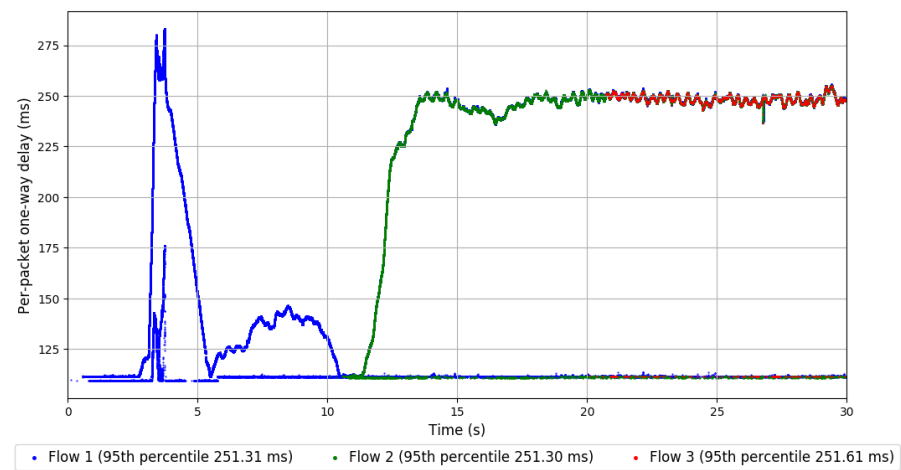
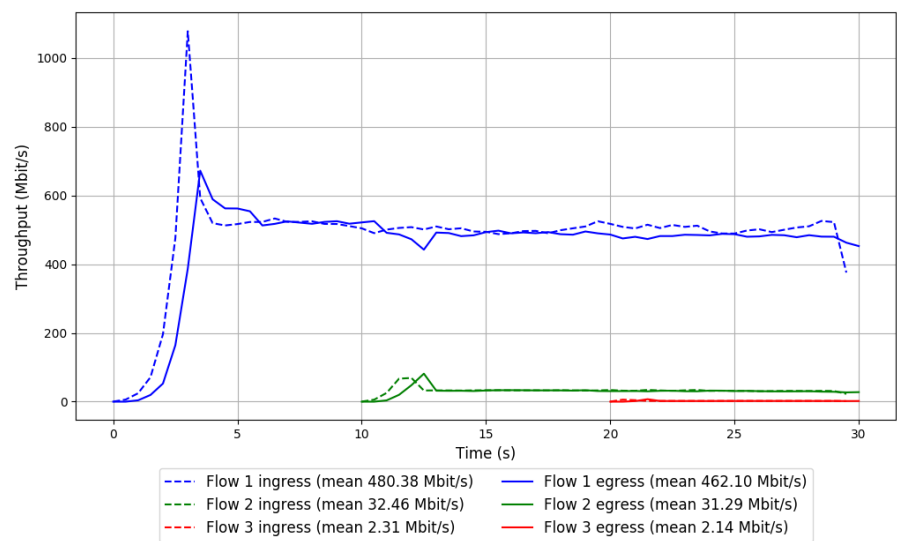
-- Flow 3:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 251.612 ms

Loss rate: 7.08%

Run 10: Report of PCC-Allegro — Data Link

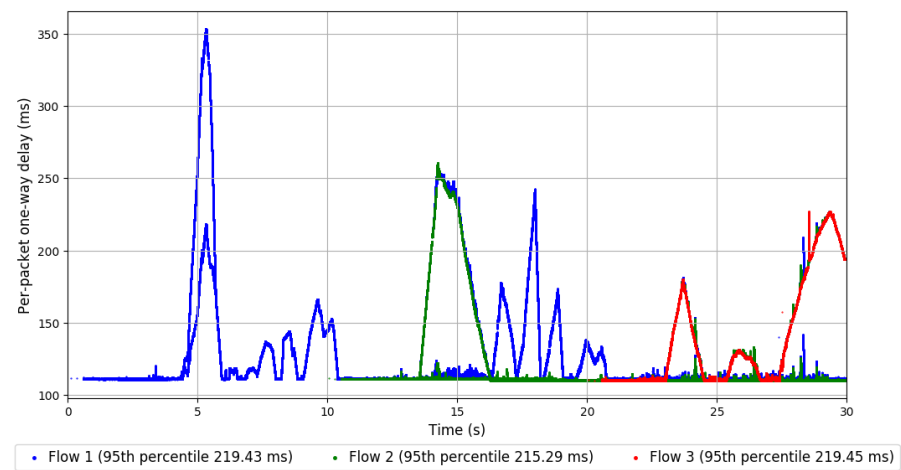
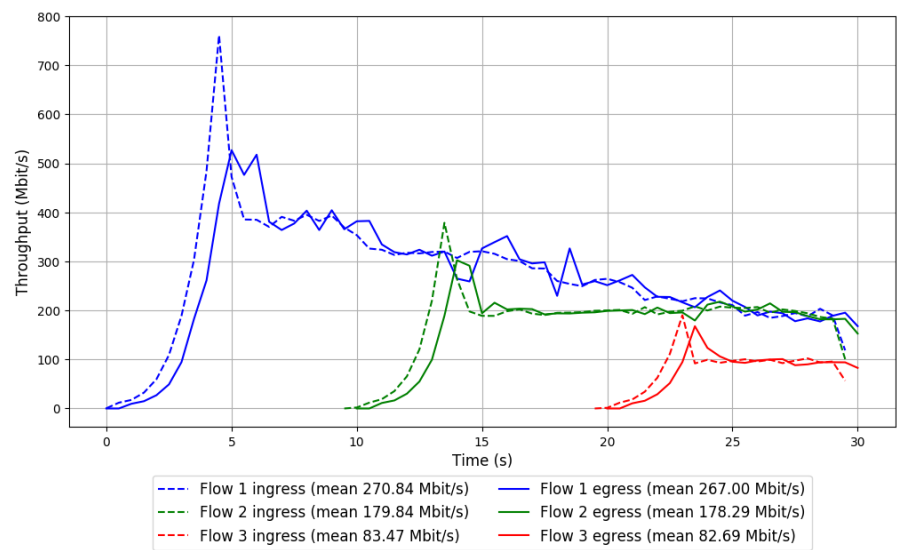


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-29 16:53:38
End at: 2018-06-29 16:54:08
Local clock offset: -0.536 ms
Remote clock offset: -0.247 ms

# Below is generated by plot.py at 2018-06-29 22:20:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 413.23 Mbit/s
95th percentile per-packet one-way delay: 218.109 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 267.00 Mbit/s
95th percentile per-packet one-way delay: 219.429 ms
Loss rate: 1.42%
-- Flow 2:
Average throughput: 178.29 Mbit/s
95th percentile per-packet one-way delay: 215.287 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 82.69 Mbit/s
95th percentile per-packet one-way delay: 219.451 ms
Loss rate: 0.93%
```


Run 1: Report of PCC-Expr — Data Link

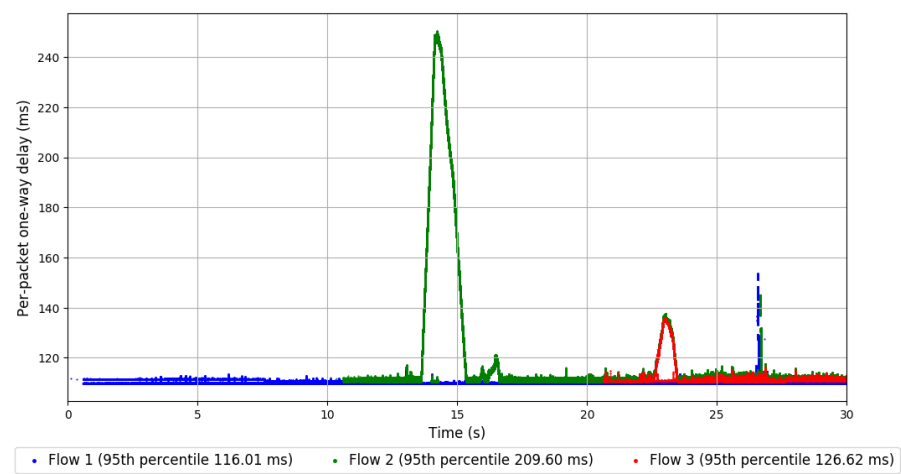
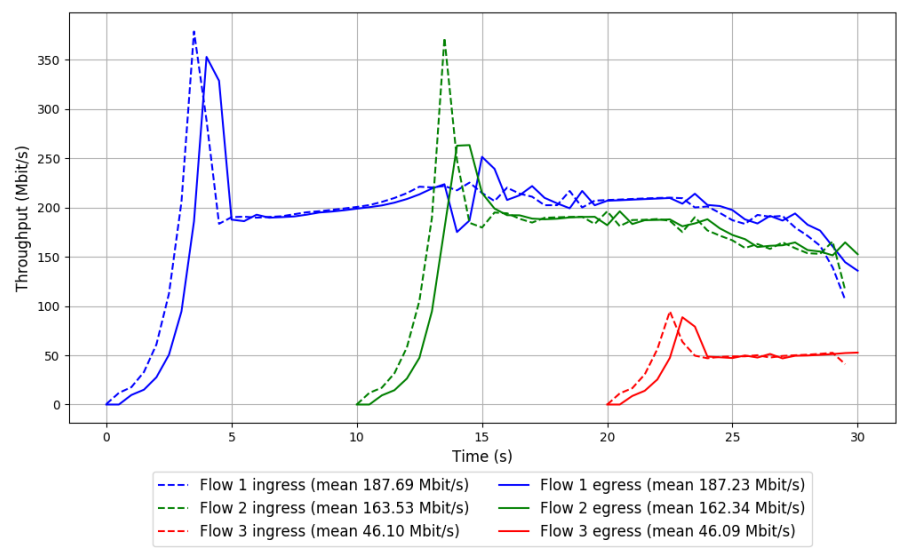


```
Run 2: Statistics of PCC-Expr

Start at: 2018-06-29 17:19:27
End at: 2018-06-29 17:19:57
Local clock offset: -0.145 ms
Remote clock offset: 0.502 ms

# Below is generated by plot.py at 2018-06-29 22:20:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 310.38 Mbit/s
95th percentile per-packet one-way delay: 148.430 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 187.23 Mbit/s
95th percentile per-packet one-way delay: 116.013 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 162.34 Mbit/s
95th percentile per-packet one-way delay: 209.597 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 46.09 Mbit/s
95th percentile per-packet one-way delay: 126.623 ms
Loss rate: 0.01%
```

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-06-29 17:45:03

End at: 2018-06-29 17:45:33

Local clock offset: 0.859 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-06-29 22:22:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 409.43 Mbit/s

95th percentile per-packet one-way delay: 220.885 ms

Loss rate: 1.01%

-- Flow 1:

Average throughput: 297.71 Mbit/s

95th percentile per-packet one-way delay: 207.429 ms

Loss rate: 0.88%

-- Flow 2:

Average throughput: 146.18 Mbit/s

95th percentile per-packet one-way delay: 239.383 ms

Loss rate: 1.34%

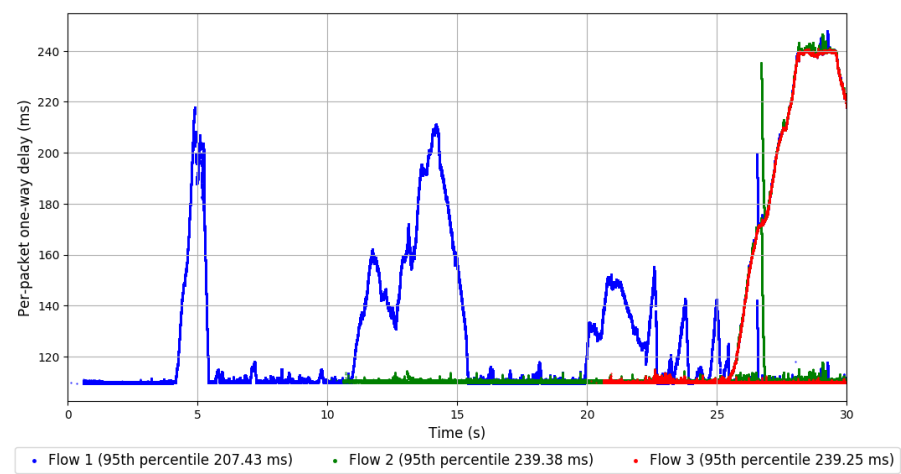
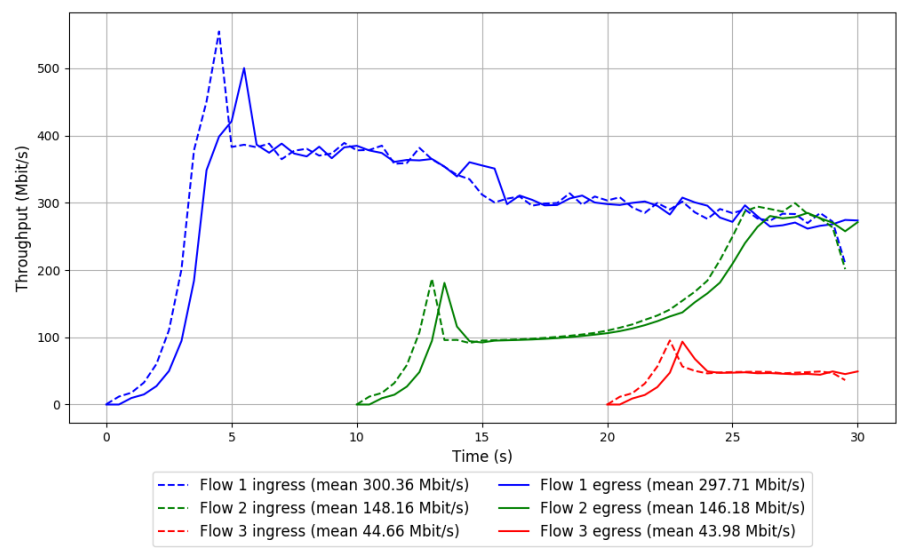
-- Flow 3:

Average throughput: 43.98 Mbit/s

95th percentile per-packet one-way delay: 239.247 ms

Loss rate: 1.51%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-06-29 18:10:26

End at: 2018-06-29 18:10:56

Local clock offset: -0.046 ms

Remote clock offset: 0.242 ms

Below is generated by plot.py at 2018-06-29 22:22:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 267.44 Mbit/s

95th percentile per-packet one-way delay: 165.351 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 138.81 Mbit/s

95th percentile per-packet one-way delay: 112.664 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 170.07 Mbit/s

95th percentile per-packet one-way delay: 216.833 ms

Loss rate: 1.06%

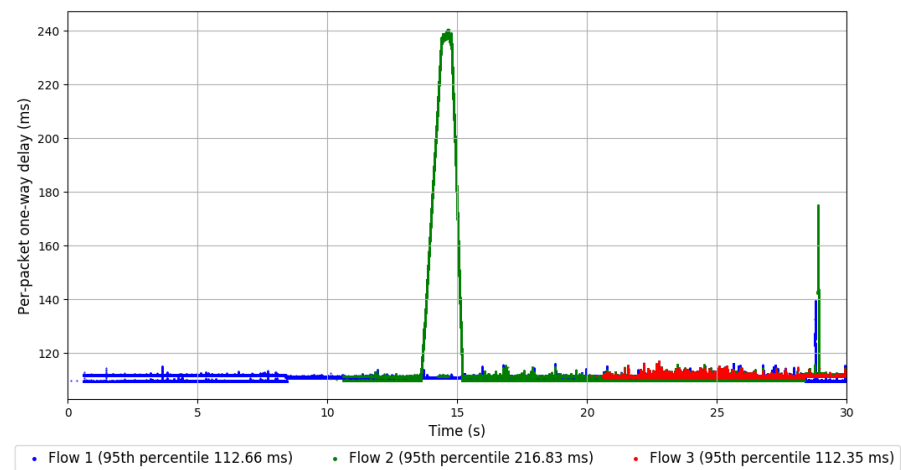
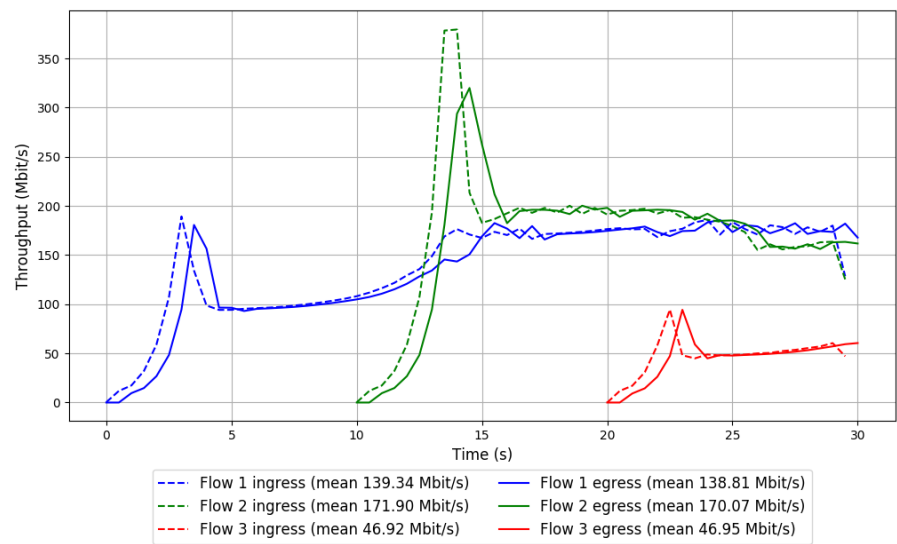
-- Flow 3:

Average throughput: 46.95 Mbit/s

95th percentile per-packet one-way delay: 112.354 ms

Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link

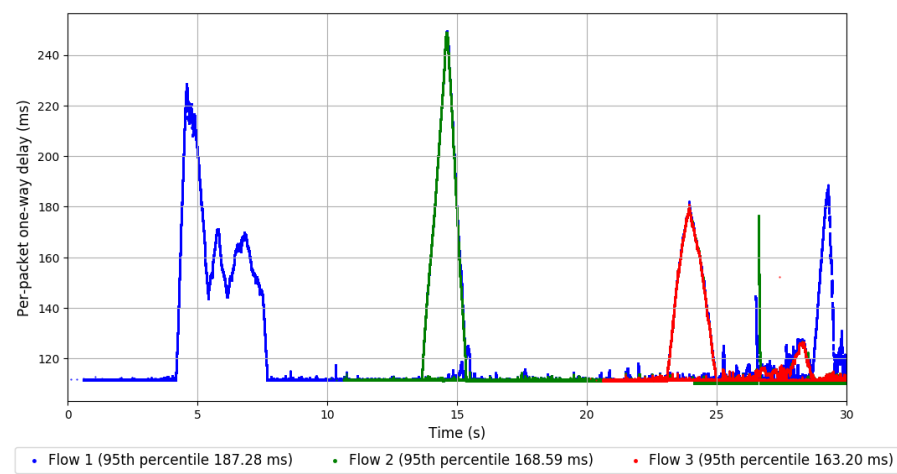
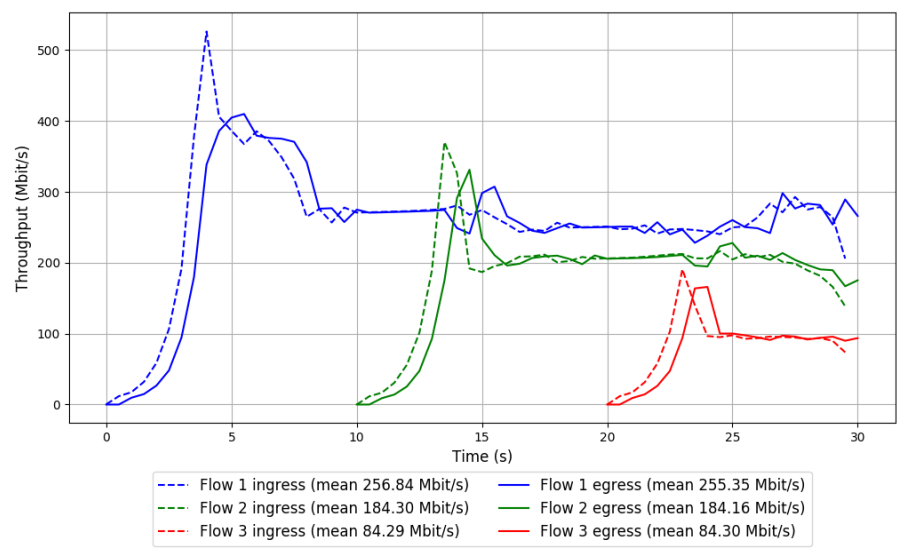


Run 5: Statistics of PCC-Expr

Start at: 2018-06-29 18:36:00
End at: 2018-06-29 18:36:30
Local clock offset: -0.117 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-06-29 22:27:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 405.61 Mbit/s
95th percentile per-packet one-way delay: 178.763 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 255.35 Mbit/s
95th percentile per-packet one-way delay: 187.279 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 184.16 Mbit/s
95th percentile per-packet one-way delay: 168.589 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 84.30 Mbit/s
95th percentile per-packet one-way delay: 163.204 ms
Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-06-29 19:01:40

End at: 2018-06-29 19:02:10

Local clock offset: -1.177 ms

Remote clock offset: 0.06 ms

Below is generated by plot.py at 2018-06-29 22:27:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 367.09 Mbit/s

95th percentile per-packet one-way delay: 224.427 ms

Loss rate: 1.77%

-- Flow 1:

Average throughput: 193.90 Mbit/s

95th percentile per-packet one-way delay: 210.250 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 178.47 Mbit/s

95th percentile per-packet one-way delay: 224.154 ms

Loss rate: 1.45%

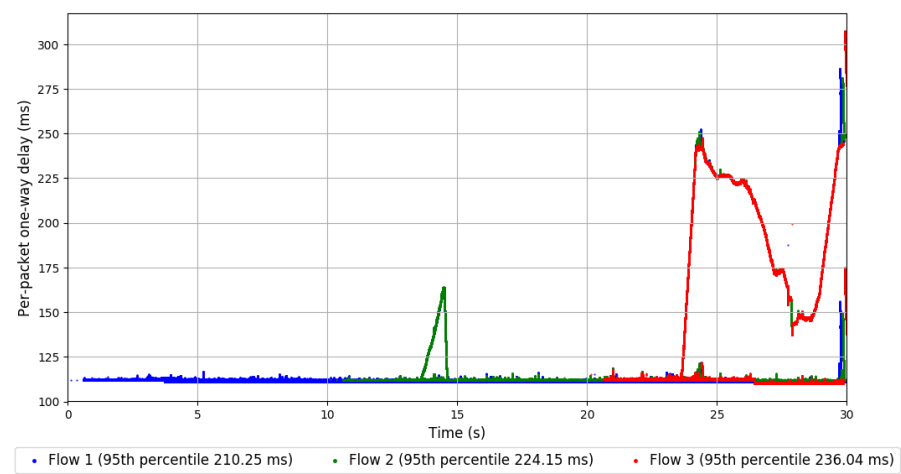
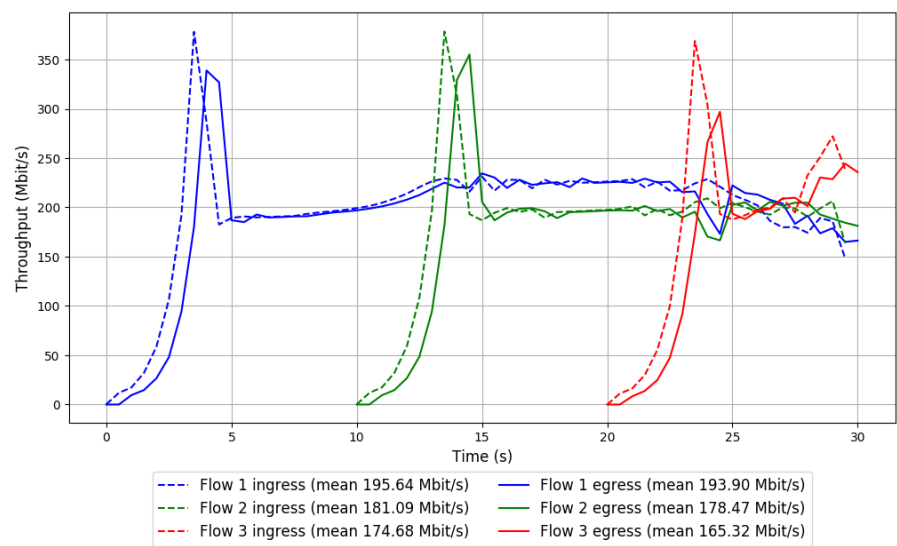
-- Flow 3:

Average throughput: 165.32 Mbit/s

95th percentile per-packet one-way delay: 236.041 ms

Loss rate: 5.42%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-06-29 19:27:16

End at: 2018-06-29 19:27:46

Local clock offset: -0.105 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-06-29 22:27:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 404.61 Mbit/s

95th percentile per-packet one-way delay: 200.772 ms

Loss rate: 1.09%

-- Flow 1:

Average throughput: 337.91 Mbit/s

95th percentile per-packet one-way delay: 207.992 ms

Loss rate: 1.30%

-- Flow 2:

Average throughput: 94.03 Mbit/s

95th percentile per-packet one-way delay: 159.674 ms

Loss rate: 0.01%

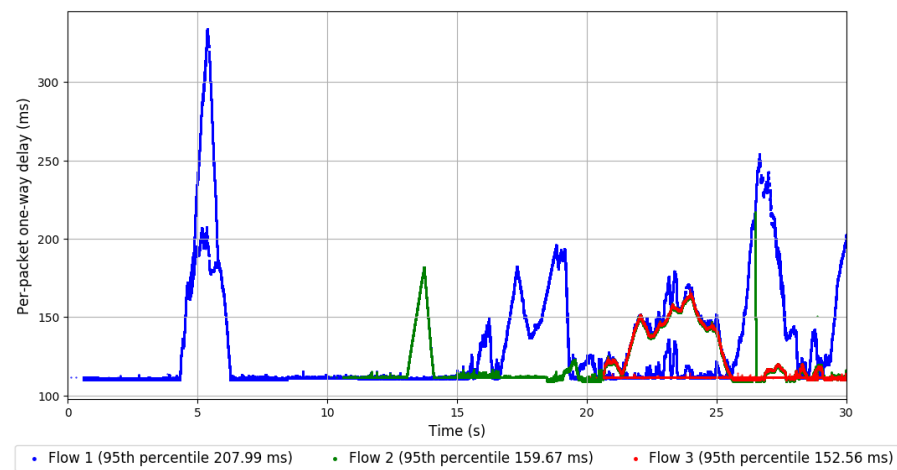
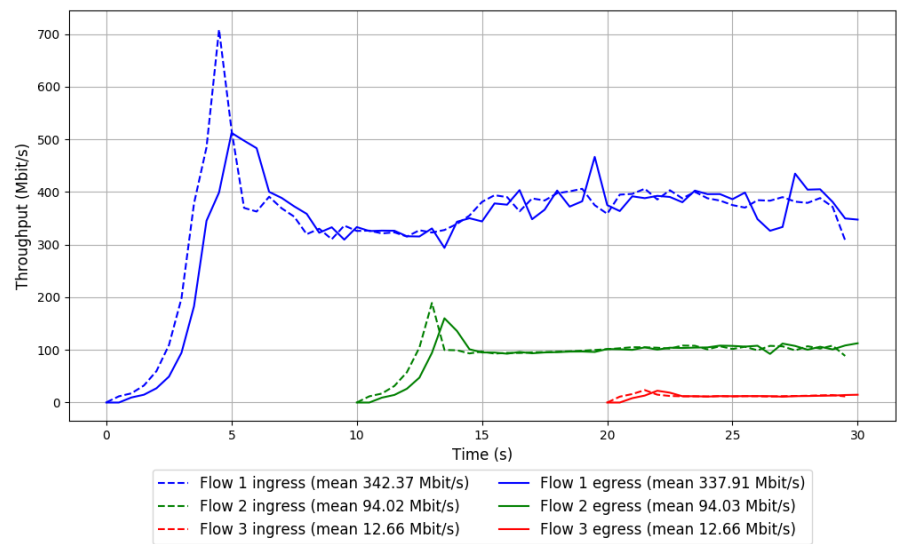
-- Flow 3:

Average throughput: 12.66 Mbit/s

95th percentile per-packet one-way delay: 152.555 ms

Loss rate: 0.03%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-06-29 19:53:06

End at: 2018-06-29 19:53:36

Local clock offset: -1.357 ms

Remote clock offset: 0.071 ms

Below is generated by plot.py at 2018-06-29 22:27:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 352.26 Mbit/s

95th percentile per-packet one-way delay: 154.907 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 184.99 Mbit/s

95th percentile per-packet one-way delay: 115.585 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 172.70 Mbit/s

95th percentile per-packet one-way delay: 142.101 ms

Loss rate: 0.25%

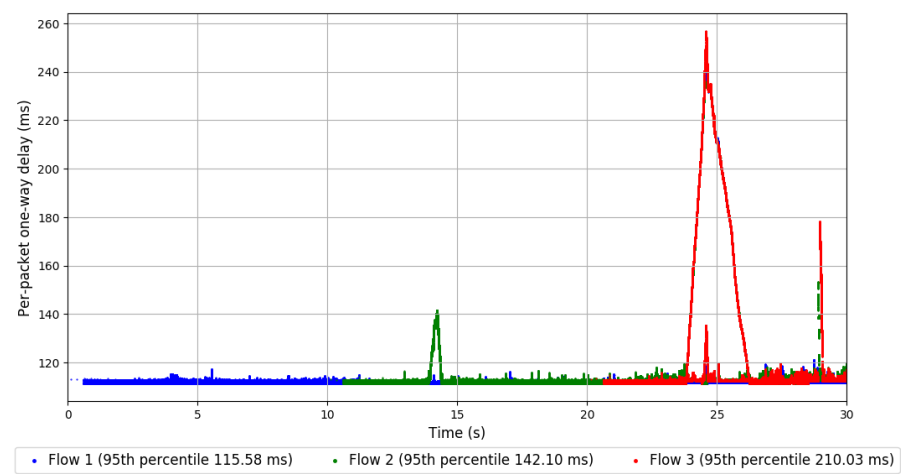
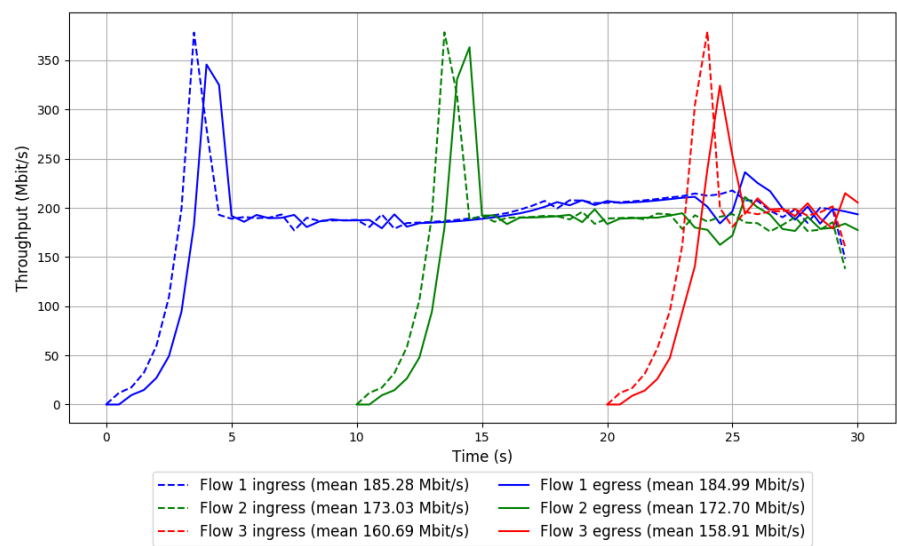
-- Flow 3:

Average throughput: 158.91 Mbit/s

95th percentile per-packet one-way delay: 210.028 ms

Loss rate: 1.10%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-06-29 20:18:45

End at: 2018-06-29 20:19:15

Local clock offset: -0.237 ms

Remote clock offset: 0.451 ms

Below is generated by plot.py at 2018-06-29 22:32:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 441.85 Mbit/s

95th percentile per-packet one-way delay: 246.230 ms

Loss rate: 2.02%

-- Flow 1:

Average throughput: 316.55 Mbit/s

95th percentile per-packet one-way delay: 290.136 ms

Loss rate: 2.61%

-- Flow 2:

Average throughput: 175.97 Mbit/s

95th percentile per-packet one-way delay: 229.654 ms

Loss rate: 0.43%

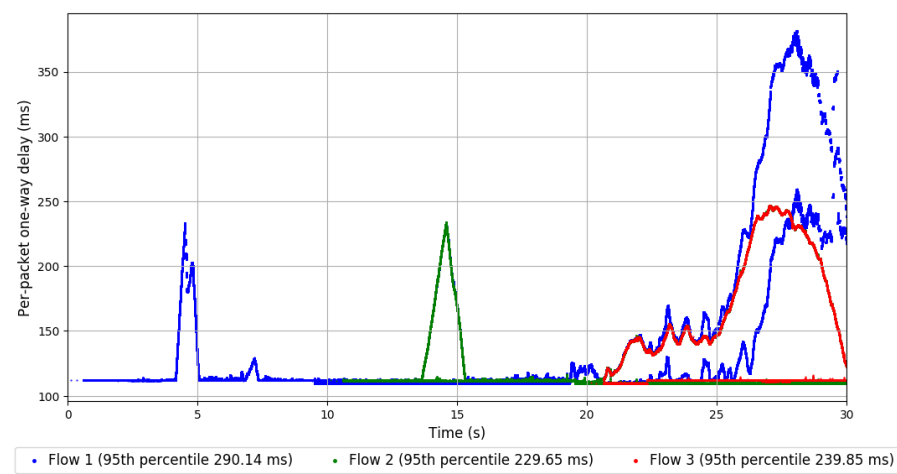
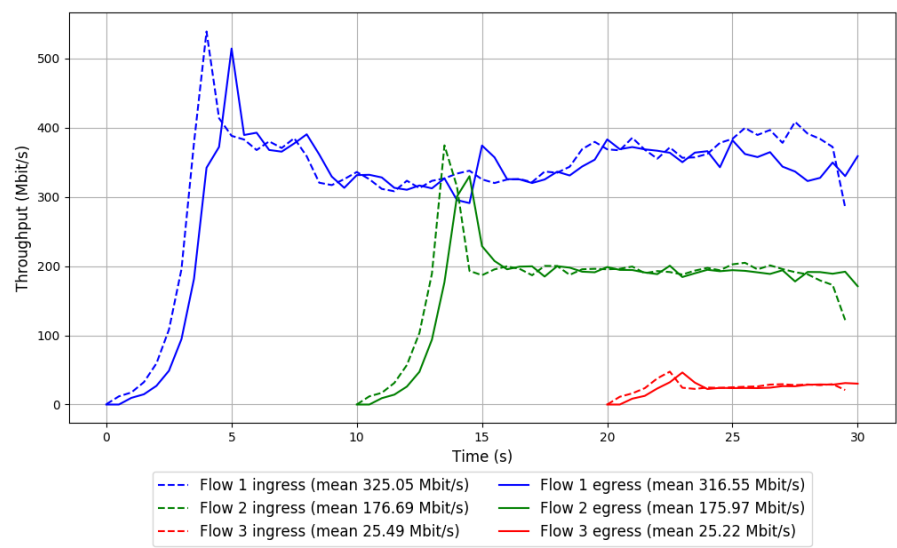
-- Flow 3:

Average throughput: 25.22 Mbit/s

95th percentile per-packet one-way delay: 239.852 ms

Loss rate: 1.01%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-06-29 20:44:12

End at: 2018-06-29 20:44:42

Local clock offset: 1.436 ms

Remote clock offset: 0.114 ms

Below is generated by plot.py at 2018-06-29 22:32:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 313.10 Mbit/s

95th percentile per-packet one-way delay: 113.035 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 163.36 Mbit/s

95th percentile per-packet one-way delay: 110.671 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 180.38 Mbit/s

95th percentile per-packet one-way delay: 121.826 ms

Loss rate: 0.00%

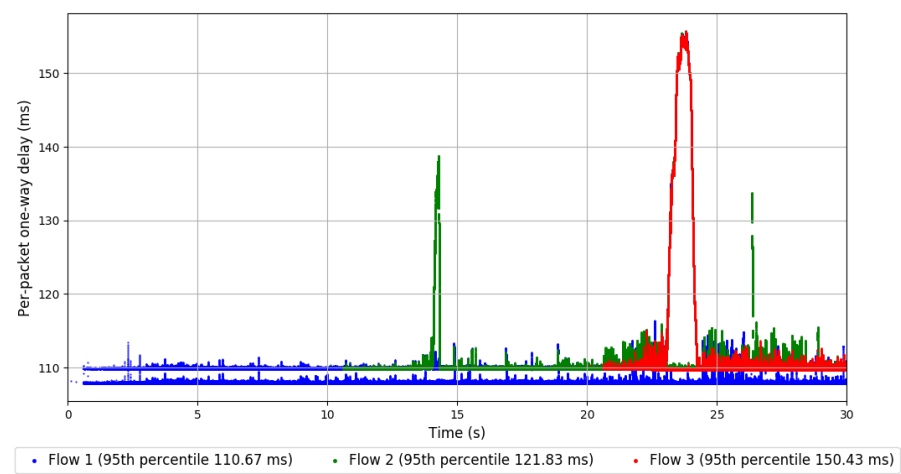
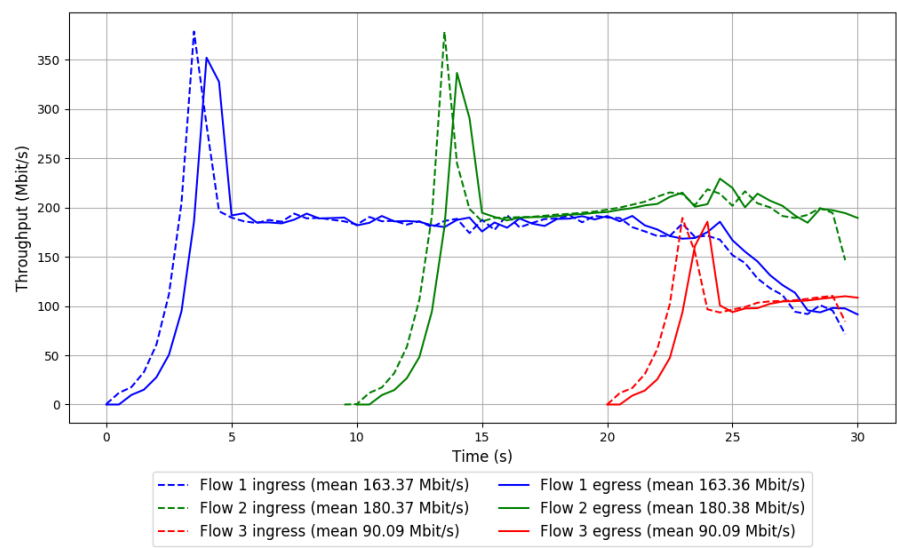
-- Flow 3:

Average throughput: 90.09 Mbit/s

95th percentile per-packet one-way delay: 150.429 ms

Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-06-29 16:47:12

End at: 2018-06-29 16:47:42

Local clock offset: -0.134 ms

Remote clock offset: 0.252 ms

Below is generated by plot.py at 2018-06-29 22:32:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 42.23 Mbit/s

95th percentile per-packet one-way delay: 111.509 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 111.571 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 46.92 Mbit/s

95th percentile per-packet one-way delay: 109.567 ms

Loss rate: 0.00%

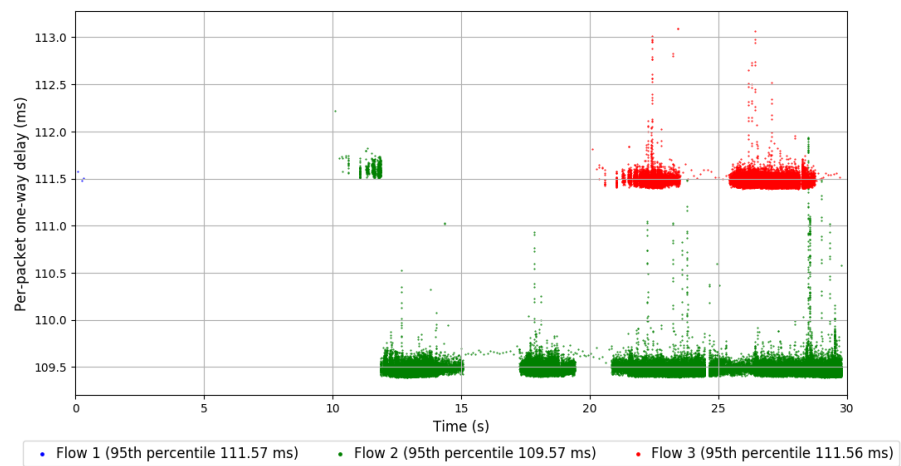
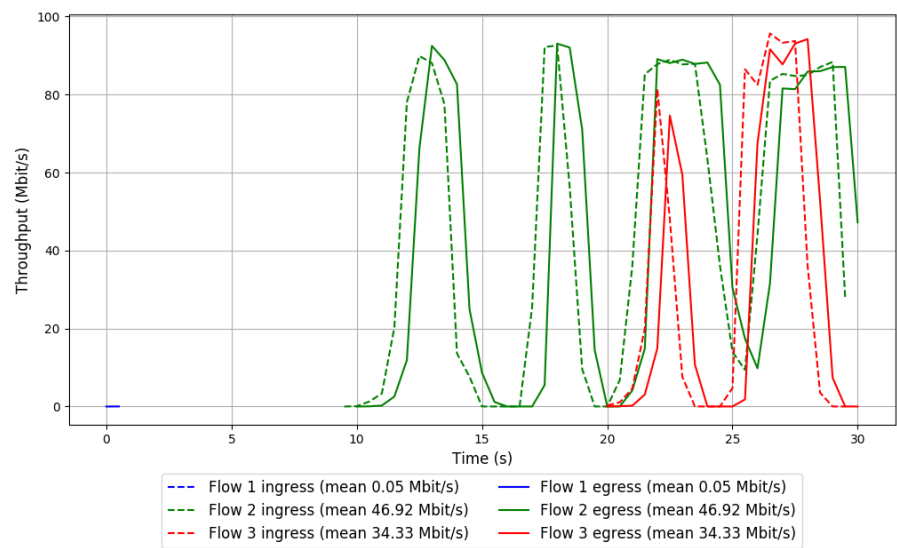
-- Flow 3:

Average throughput: 34.33 Mbit/s

95th percentile per-packet one-way delay: 111.556 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-06-29 17:12:37

End at: 2018-06-29 17:13:07

Local clock offset: -0.5 ms

Remote clock offset: 0.111 ms

Below is generated by plot.py at 2018-06-29 22:32:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 105.94 Mbit/s

95th percentile per-packet one-way delay: 111.575 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 60.22 Mbit/s

95th percentile per-packet one-way delay: 111.567 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 55.21 Mbit/s

95th percentile per-packet one-way delay: 111.591 ms

Loss rate: 0.00%

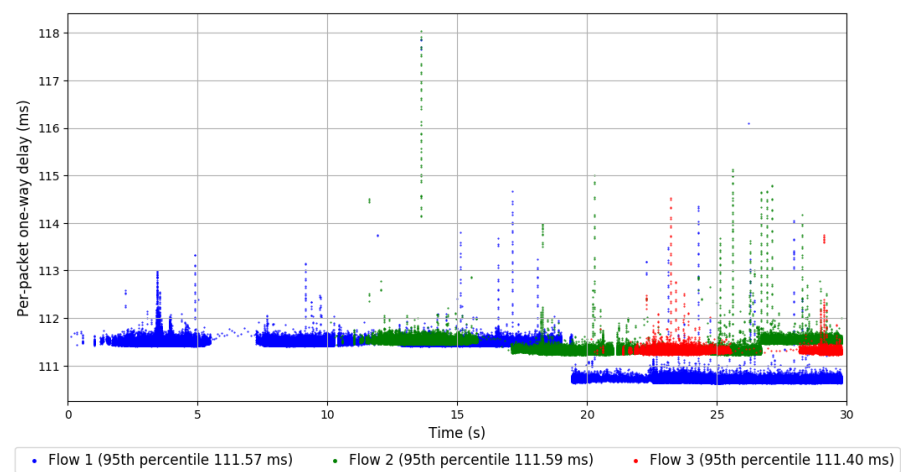
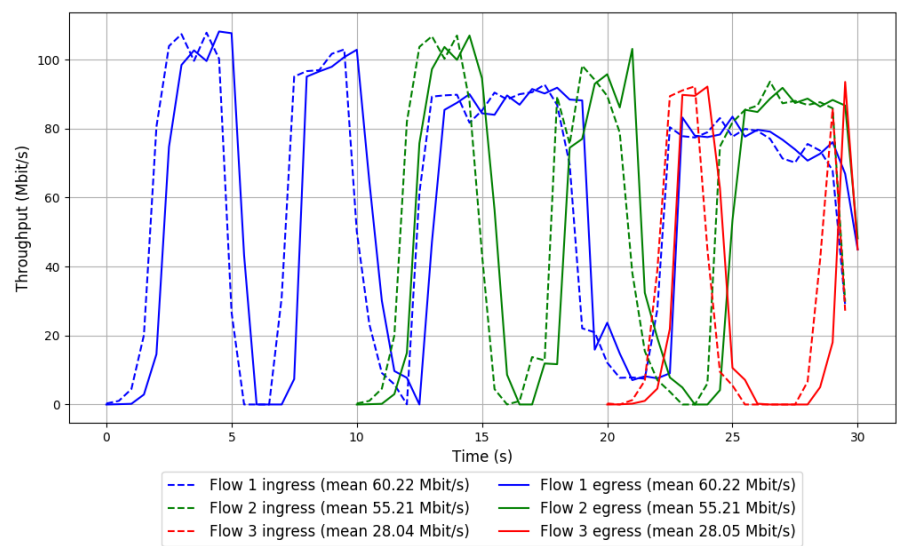
-- Flow 3:

Average throughput: 28.05 Mbit/s

95th percentile per-packet one-way delay: 111.396 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

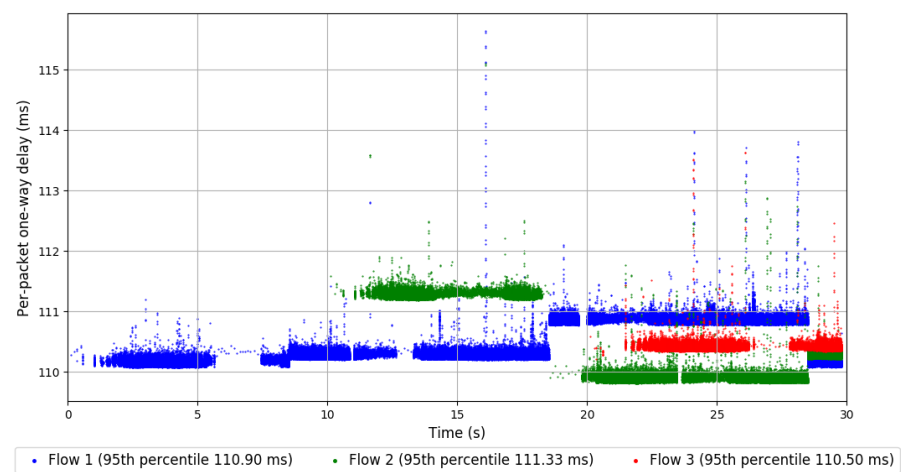
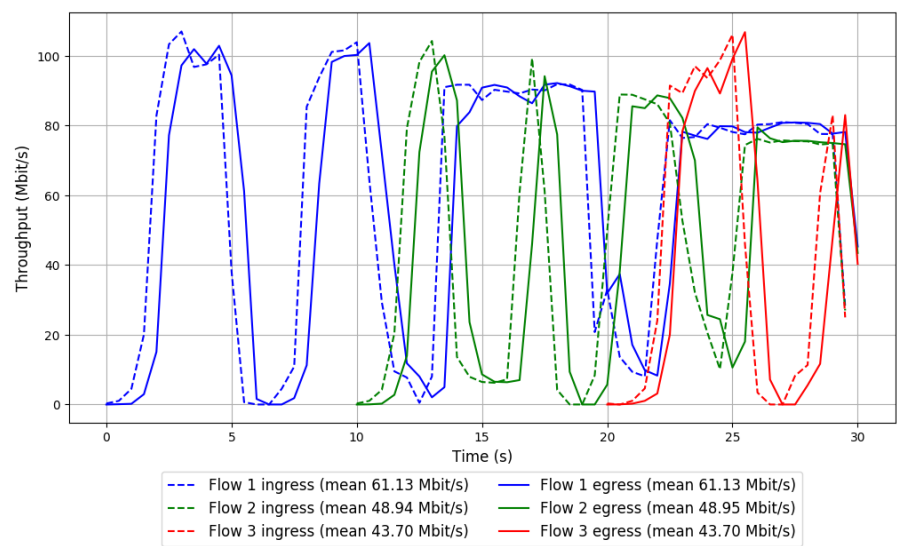


Run 3: Statistics of QUIC Cubic

Start at: 2018-06-29 17:38:15
End at: 2018-06-29 17:38:45
Local clock offset: -0.106 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-06-29 22:32:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 107.78 Mbit/s
95th percentile per-packet one-way delay: 111.271 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.13 Mbit/s
95th percentile per-packet one-way delay: 110.903 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 48.95 Mbit/s
95th percentile per-packet one-way delay: 111.328 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 43.70 Mbit/s
95th percentile per-packet one-way delay: 110.501 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

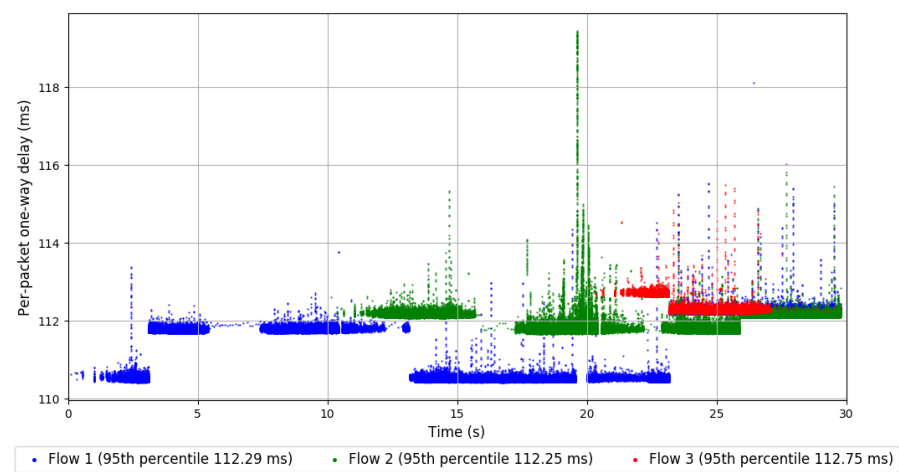
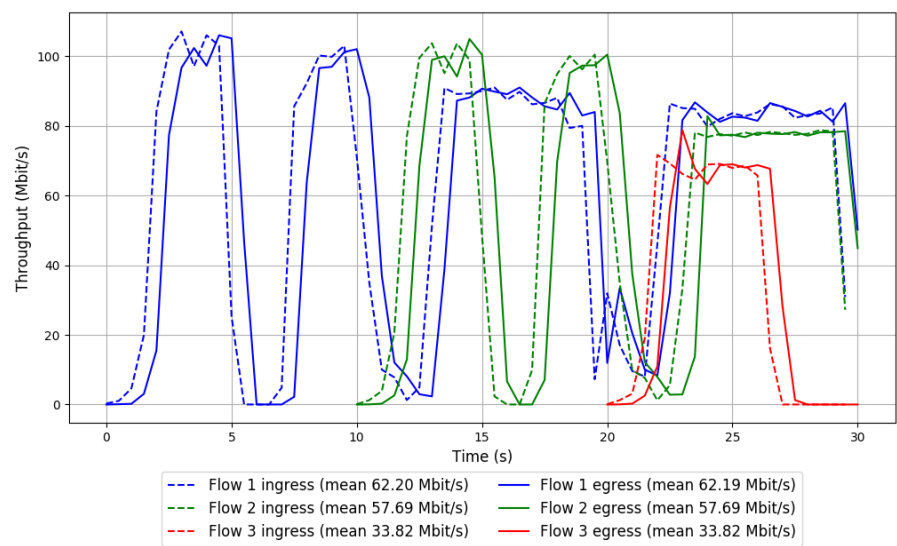


Run 4: Statistics of QUIC Cubic

Start at: 2018-06-29 18:03:51
End at: 2018-06-29 18:04:21
Local clock offset: -1.296 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-06-29 22:32:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 111.34 Mbit/s
95th percentile per-packet one-way delay: 112.339 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.19 Mbit/s
95th percentile per-packet one-way delay: 112.292 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 57.69 Mbit/s
95th percentile per-packet one-way delay: 112.252 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.82 Mbit/s
95th percentile per-packet one-way delay: 112.745 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

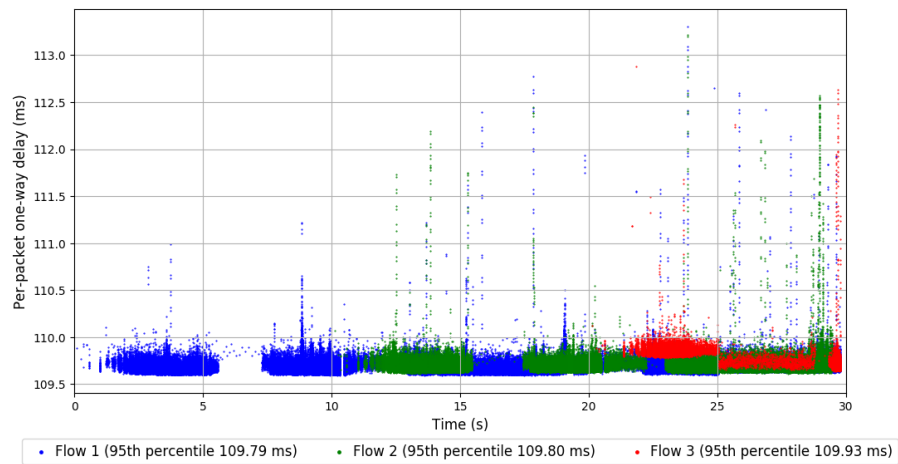
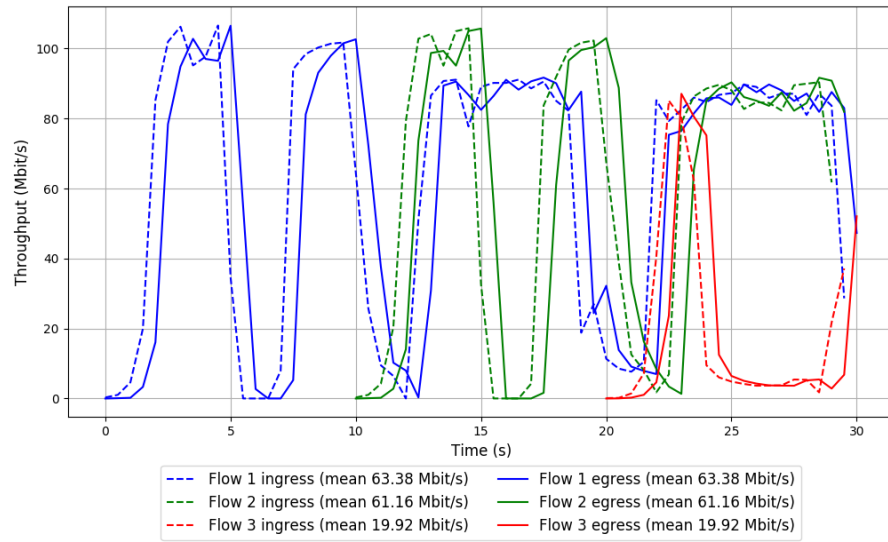


Run 5: Statistics of QUIC Cubic

Start at: 2018-06-29 18:29:12
End at: 2018-06-29 18:29:42
Local clock offset: 1.097 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-06-29 22:32:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 109.73 Mbit/s
95th percentile per-packet one-way delay: 109.836 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.38 Mbit/s
95th percentile per-packet one-way delay: 109.786 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.16 Mbit/s
95th percentile per-packet one-way delay: 109.797 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 19.92 Mbit/s
95th percentile per-packet one-way delay: 109.933 ms
Loss rate: 0.01%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-06-29 18:55:01

End at: 2018-06-29 18:55:31

Local clock offset: -1.393 ms

Remote clock offset: 0.083 ms

Below is generated by plot.py at 2018-06-29 22:32:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 110.12 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 54.66 Mbit/s

95th percentile per-packet one-way delay: 112.248 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 52.51 Mbit/s

95th percentile per-packet one-way delay: 112.609 ms

Loss rate: 0.00%

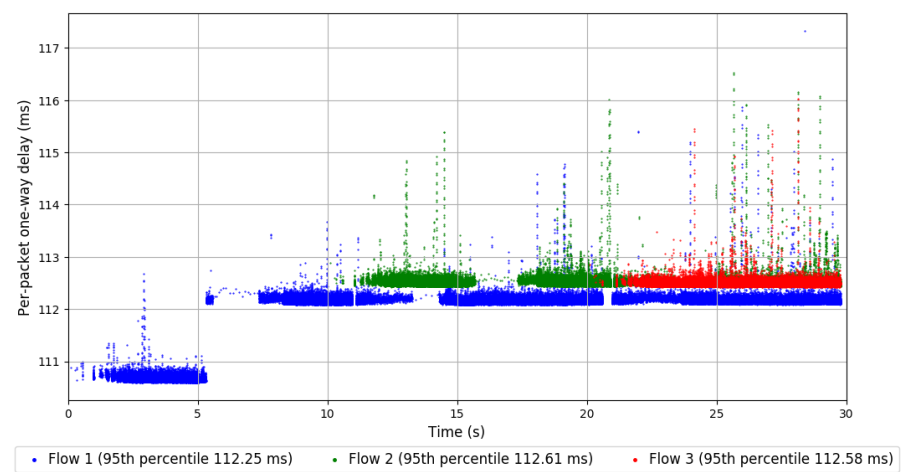
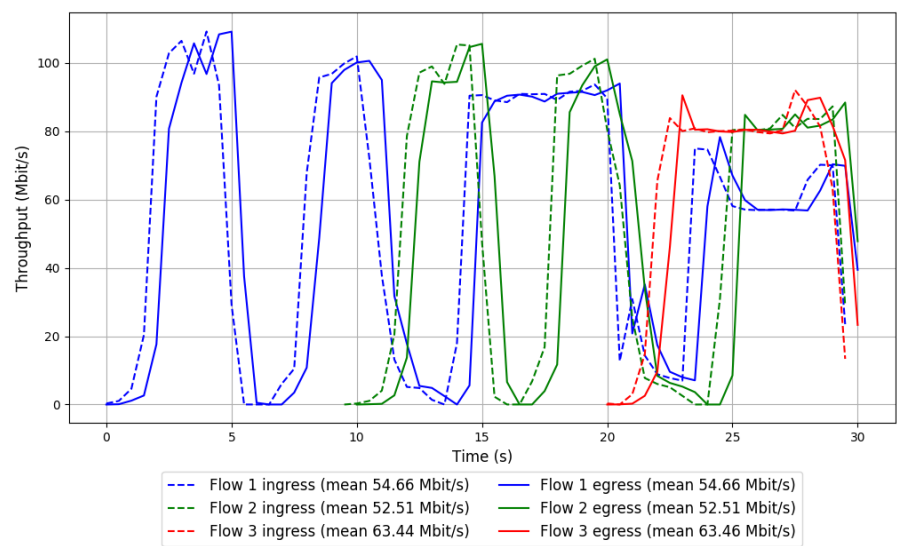
-- Flow 3:

Average throughput: 63.46 Mbit/s

95th percentile per-packet one-way delay: 112.577 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-06-29 19:20:30

End at: 2018-06-29 19:21:00

Local clock offset: -0.11 ms

Remote clock offset: 0.373 ms

Below is generated by plot.py at 2018-06-29 22:32:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 104.95 Mbit/s

95th percentile per-packet one-way delay: 112.035 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 54.60 Mbit/s

95th percentile per-packet one-way delay: 111.289 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 61.88 Mbit/s

95th percentile per-packet one-way delay: 112.069 ms

Loss rate: 0.00%

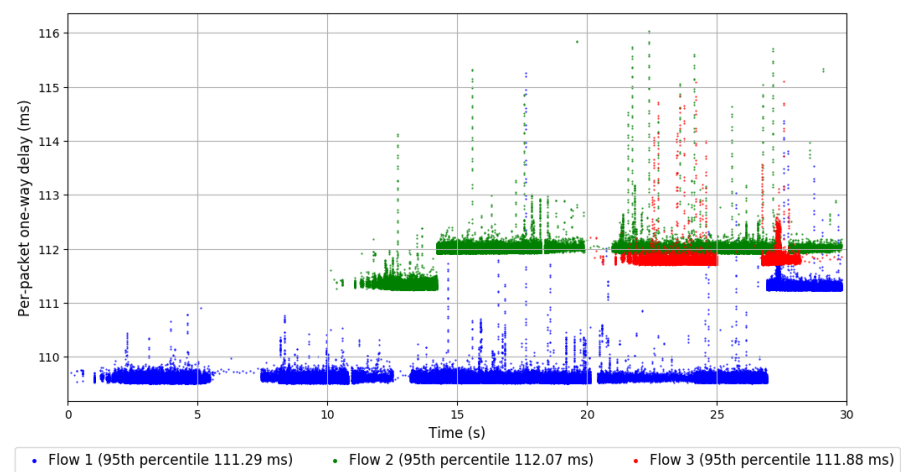
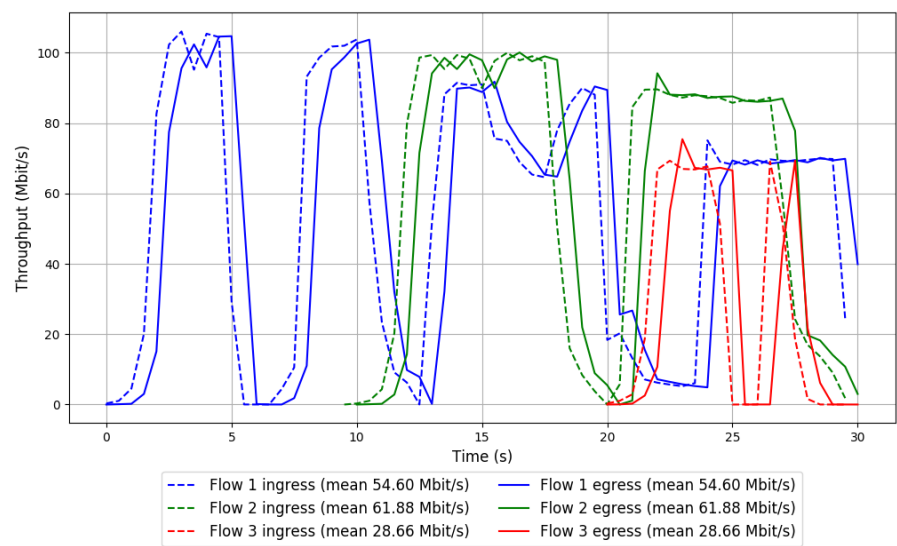
-- Flow 3:

Average throughput: 28.66 Mbit/s

95th percentile per-packet one-way delay: 111.879 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

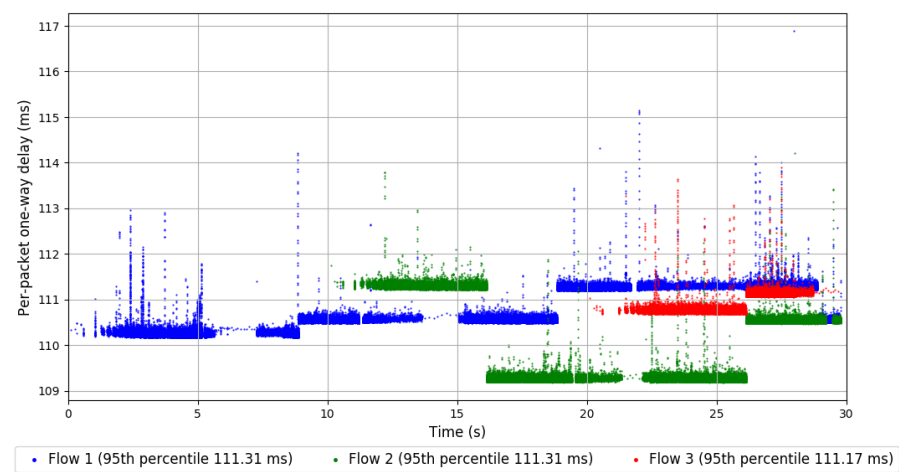
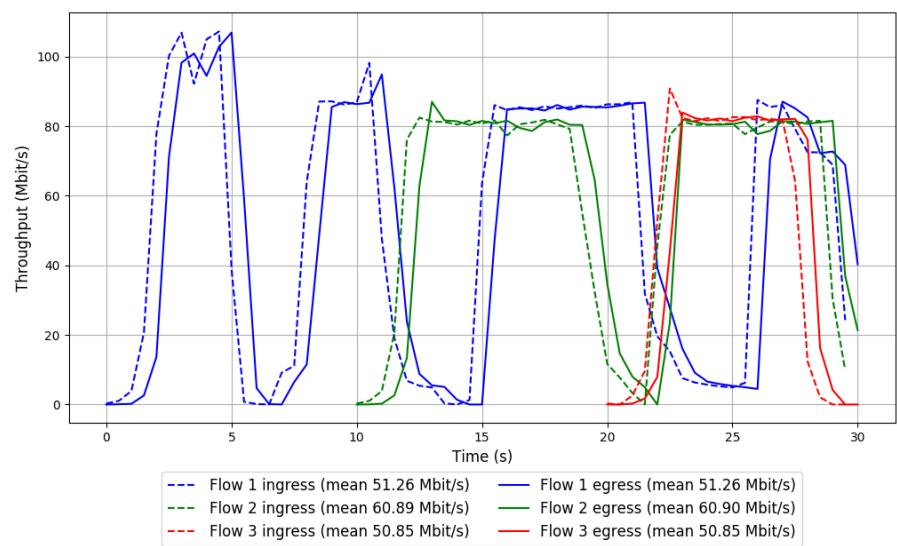


Run 8: Statistics of QUIC Cubic

Start at: 2018-06-29 19:46:18
End at: 2018-06-29 19:46:48
Local clock offset: -0.323 ms
Remote clock offset: -0.383 ms

Below is generated by plot.py at 2018-06-29 22:32:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 107.99 Mbit/s
95th percentile per-packet one-way delay: 111.305 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.26 Mbit/s
95th percentile per-packet one-way delay: 111.308 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.90 Mbit/s
95th percentile per-packet one-way delay: 111.315 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.85 Mbit/s
95th percentile per-packet one-way delay: 111.172 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-06-29 20:12:11

End at: 2018-06-29 20:12:41

Local clock offset: -0.17 ms

Remote clock offset: 0.404 ms

Below is generated by plot.py at 2018-06-29 22:32:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 110.72 Mbit/s

95th percentile per-packet one-way delay: 111.342 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 61.60 Mbit/s

95th percentile per-packet one-way delay: 110.730 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 54.96 Mbit/s

95th percentile per-packet one-way delay: 111.362 ms

Loss rate: 0.01%

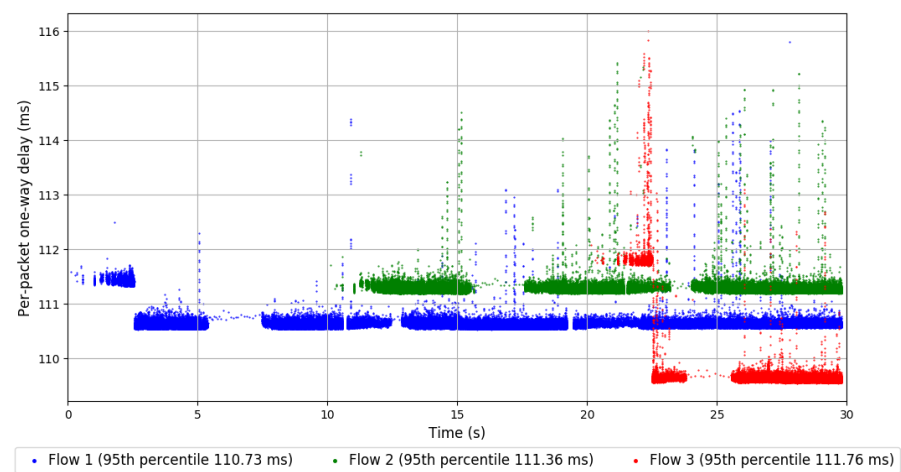
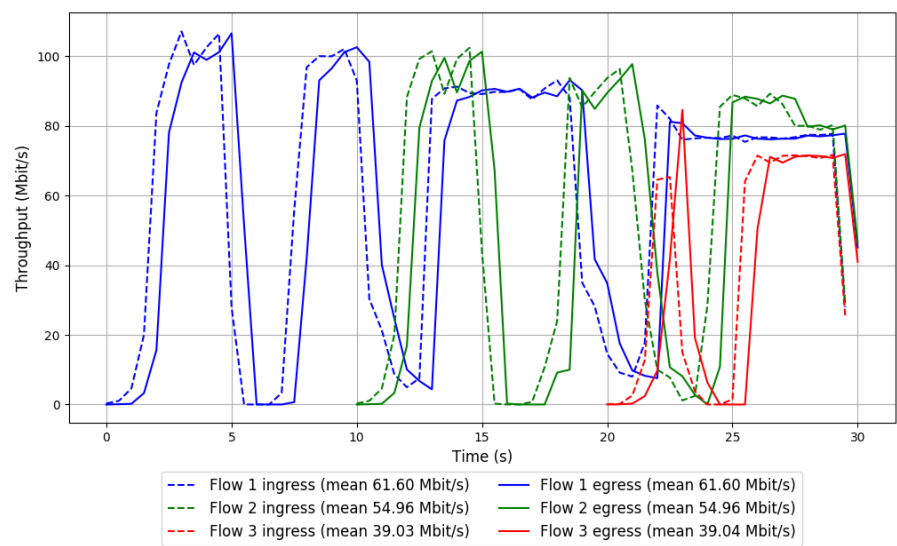
-- Flow 3:

Average throughput: 39.04 Mbit/s

95th percentile per-packet one-way delay: 111.764 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-06-29 20:37:46

End at: 2018-06-29 20:38:16

Local clock offset: -0.034 ms

Remote clock offset: 0.097 ms

Below is generated by plot.py at 2018-06-29 22:32:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 101.43 Mbit/s

95th percentile per-packet one-way delay: 111.444 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 61.73 Mbit/s

95th percentile per-packet one-way delay: 111.408 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 43.10 Mbit/s

95th percentile per-packet one-way delay: 111.197 ms

Loss rate: 0.00%

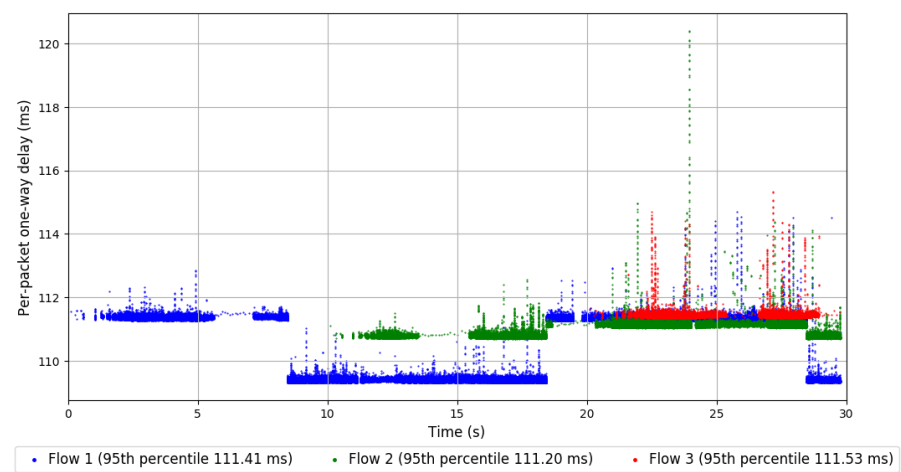
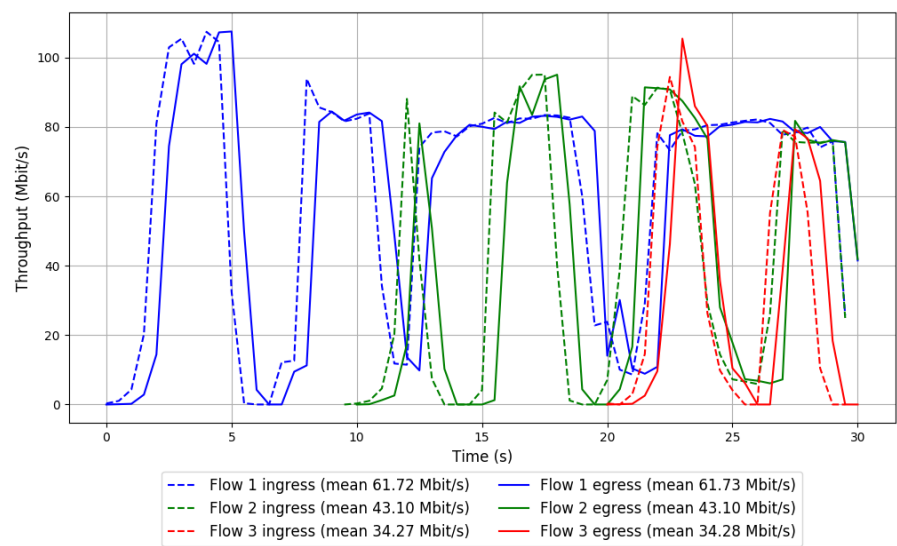
-- Flow 3:

Average throughput: 34.28 Mbit/s

95th percentile per-packet one-way delay: 111.528 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of SReAM

Start at: 2018-06-29 16:38:42

End at: 2018-06-29 16:39:12

Local clock offset: -1.285 ms

Remote clock offset: 0.178 ms

Below is generated by plot.py at 2018-06-29 22:32:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 112.623 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.157 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.659 ms

Loss rate: 0.00%

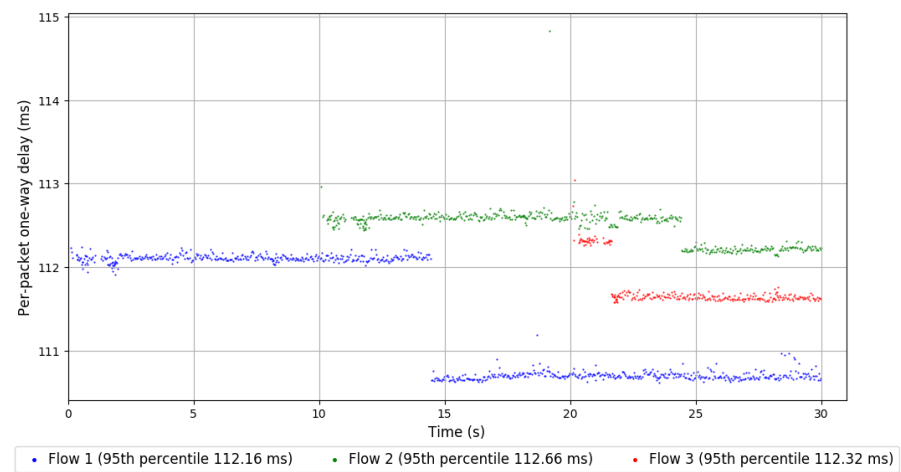
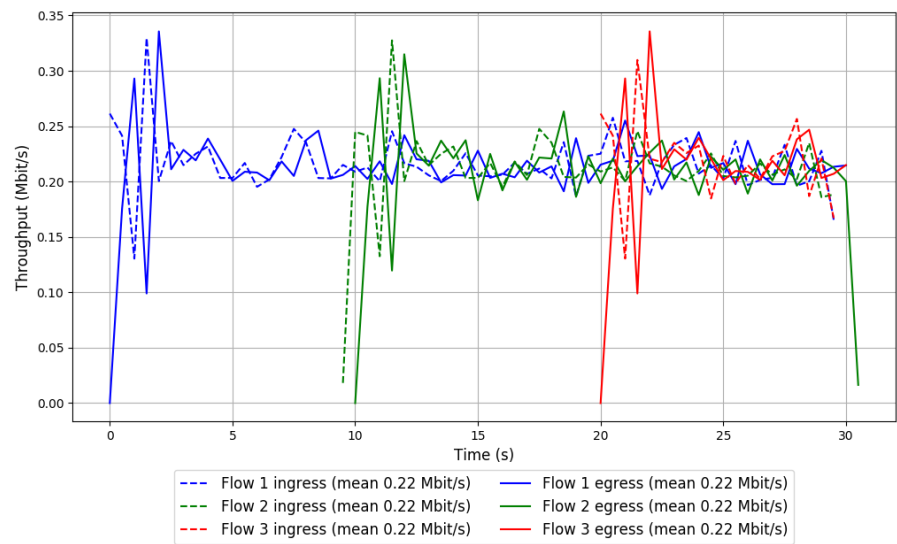
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.323 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

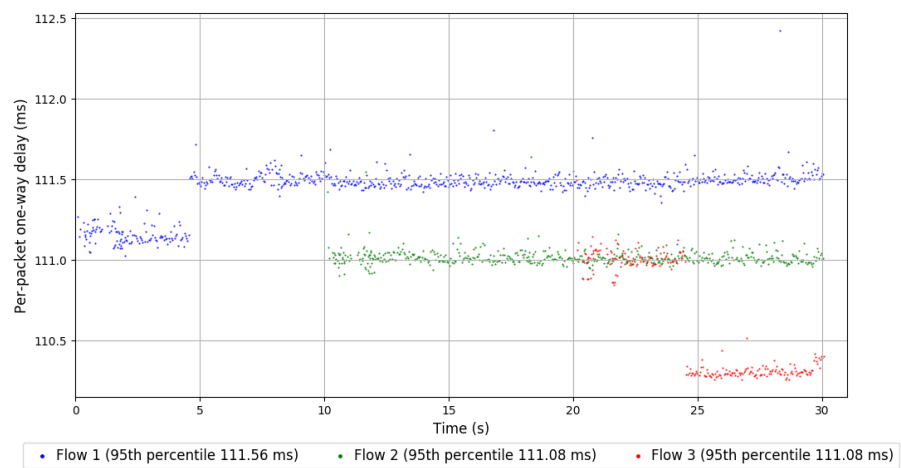
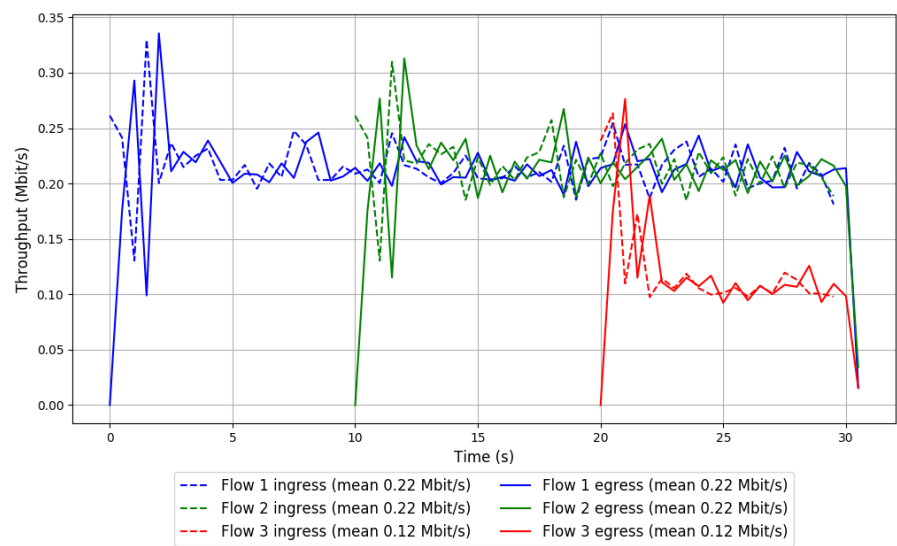


Run 2: Statistics of SCReAM

Start at: 2018-06-29 17:04:00
End at: 2018-06-29 17:04:30
Local clock offset: -0.14 ms
Remote clock offset: 0.109 ms

Below is generated by plot.py at 2018-06-29 22:32:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 111.537 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.559 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.083 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 111.075 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

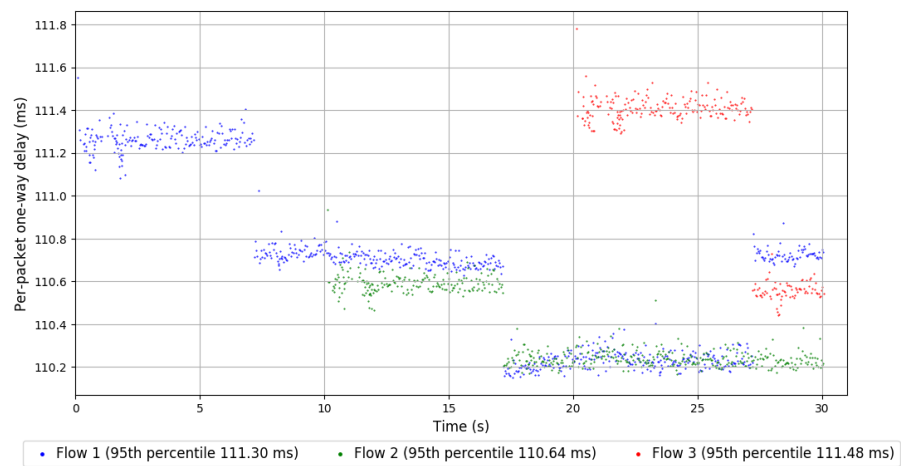
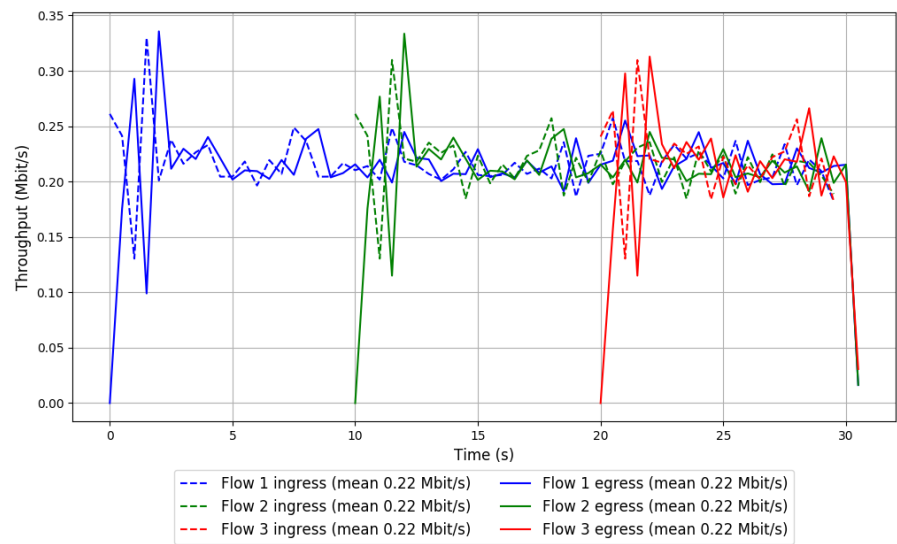


Run 3: Statistics of SReAM

Start at: 2018-06-29 17:29:40
End at: 2018-06-29 17:30:10
Local clock offset: -0.153 ms
Remote clock offset: 0.122 ms

Below is generated by plot.py at 2018-06-29 22:32:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.415 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.295 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.639 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.477 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

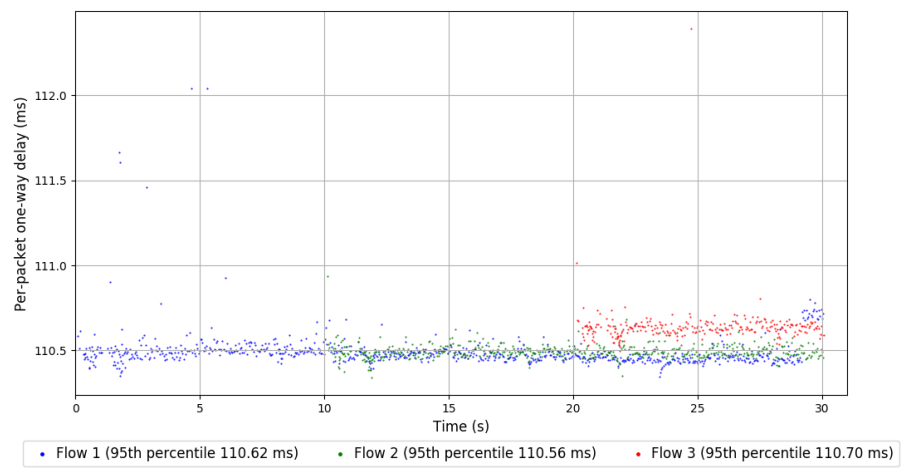
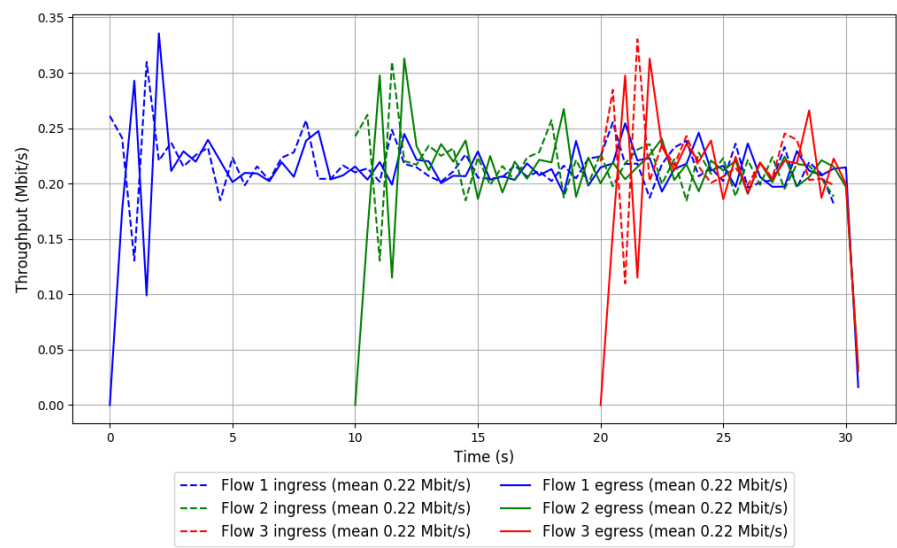


Run 4: Statistics of SReAM

Start at: 2018-06-29 17:55:25
End at: 2018-06-29 17:55:55
Local clock offset: 0.089 ms
Remote clock offset: -0.421 ms

Below is generated by plot.py at 2018-06-29 22:32:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 110.666 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.617 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.555 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.696 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

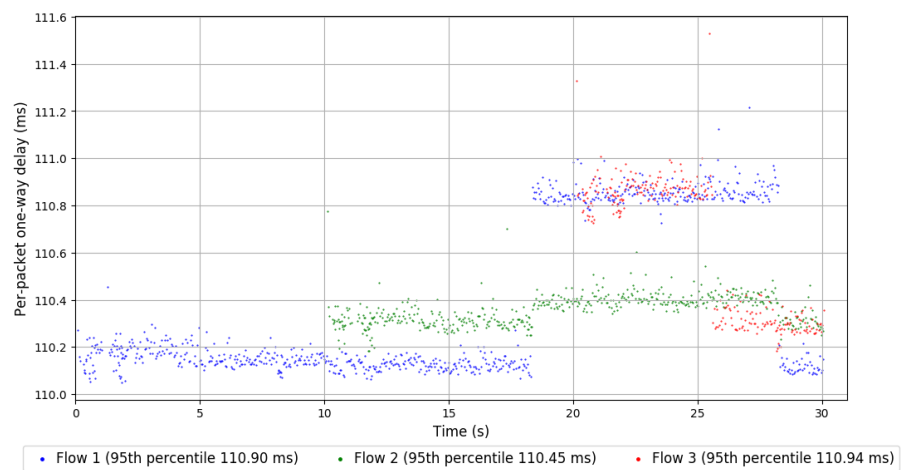
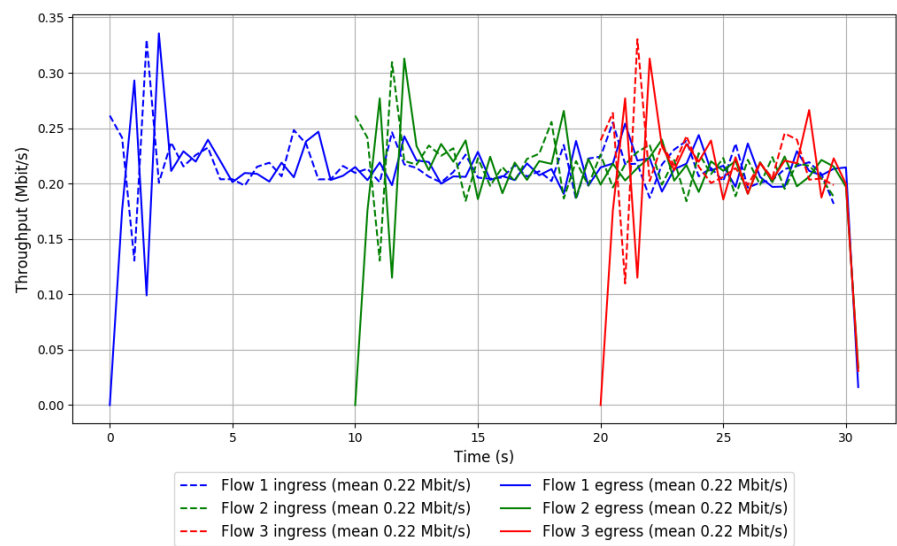


Run 5: Statistics of SReAM

Start at: 2018-06-29 18:20:39
End at: 2018-06-29 18:21:09
Local clock offset: 0.099 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-06-29 22:32:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 110.895 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.896 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.448 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.945 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

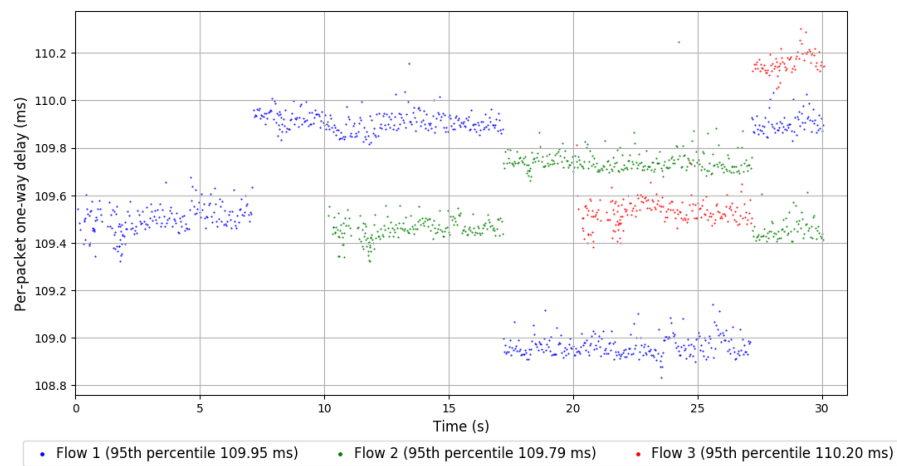
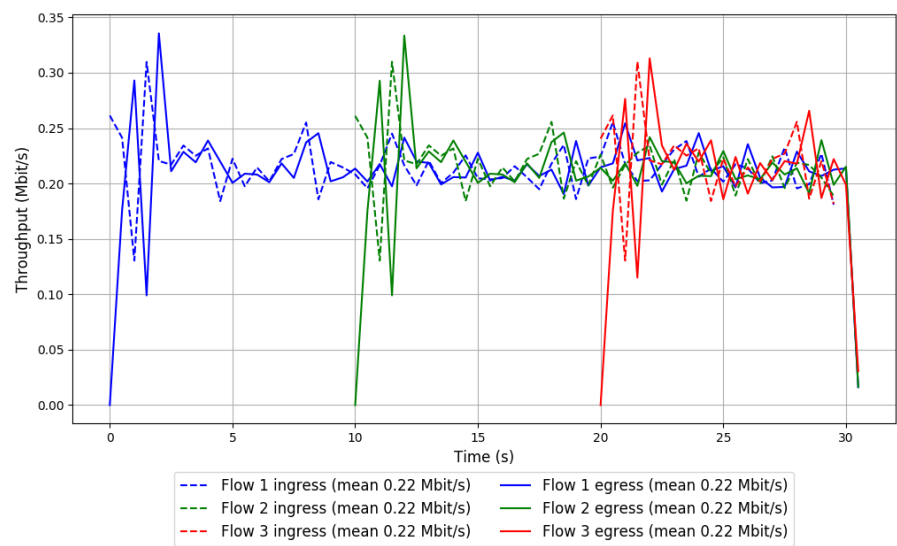


Run 6: Statistics of SReAM

Start at: 2018-06-29 18:46:27
End at: 2018-06-29 18:46:57
Local clock offset: 1.123 ms
Remote clock offset: -0.311 ms

Below is generated by plot.py at 2018-06-29 22:32:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 110.050 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.953 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.793 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.196 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

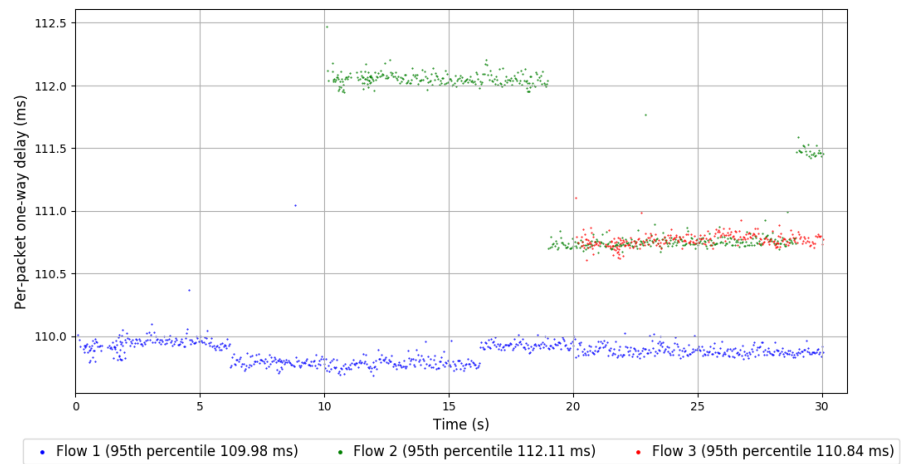
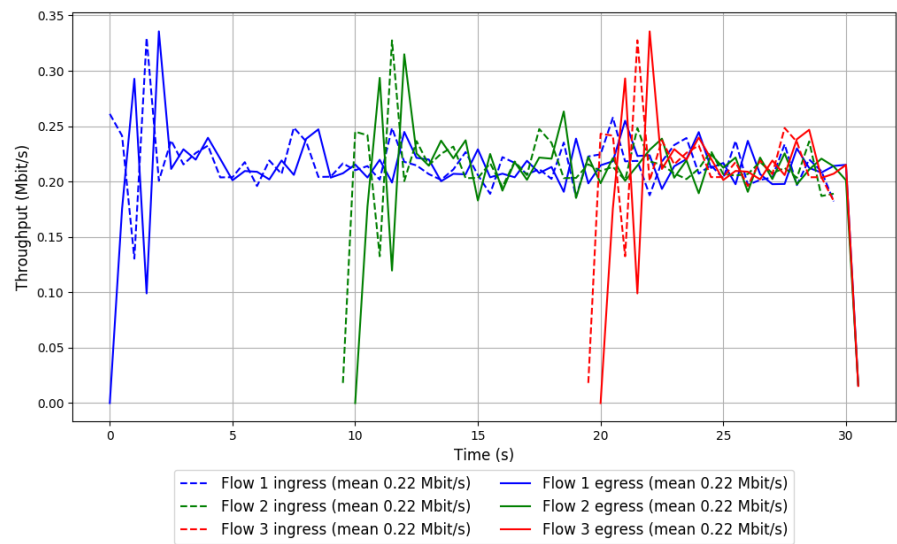


Run 7: Statistics of SReAM

Start at: 2018-06-29 19:11:58
End at: 2018-06-29 19:12:28
Local clock offset: -0.489 ms
Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-06-29 22:32:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 112.068 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.982 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.106 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.845 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

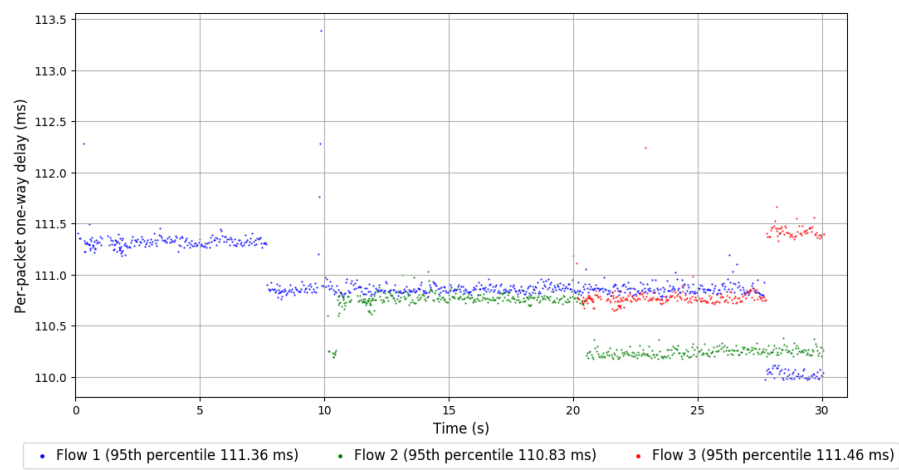
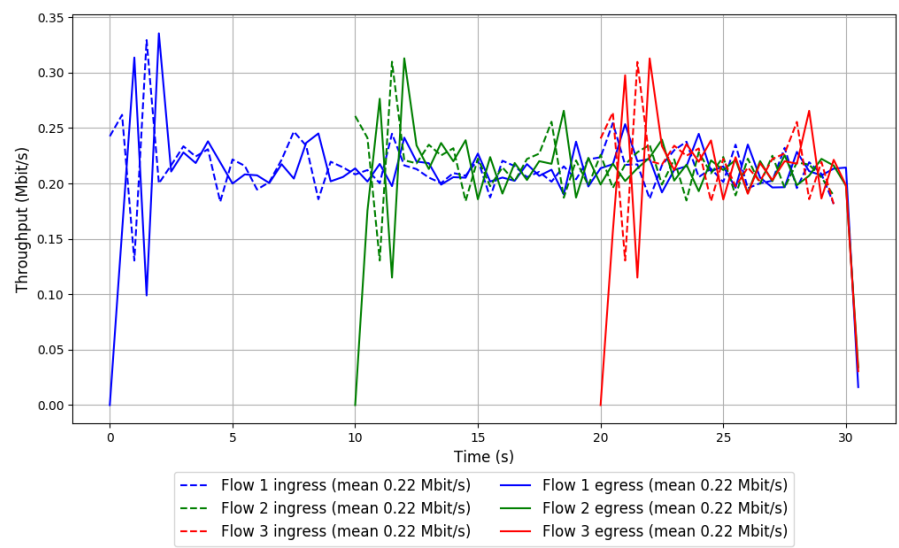


Run 8: Statistics of SReAM

Start at: 2018-06-29 19:37:47
End at: 2018-06-29 19:38:17
Local clock offset: -0.149 ms
Remote clock offset: -0.38 ms

Below is generated by plot.py at 2018-06-29 22:32:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.373 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.358 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.830 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.459 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-06-29 20:03:38

End at: 2018-06-29 20:04:08

Local clock offset: -1.488 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-06-29 22:32:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 112.966 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.784 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.635 ms

Loss rate: 0.00%

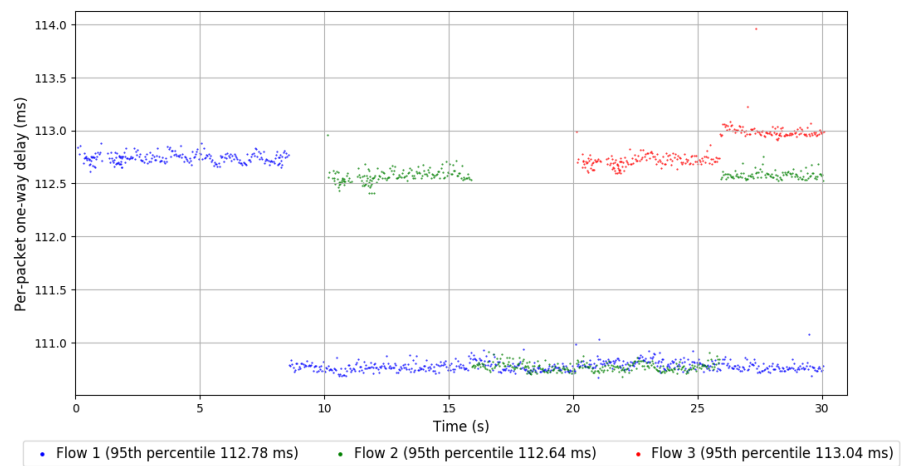
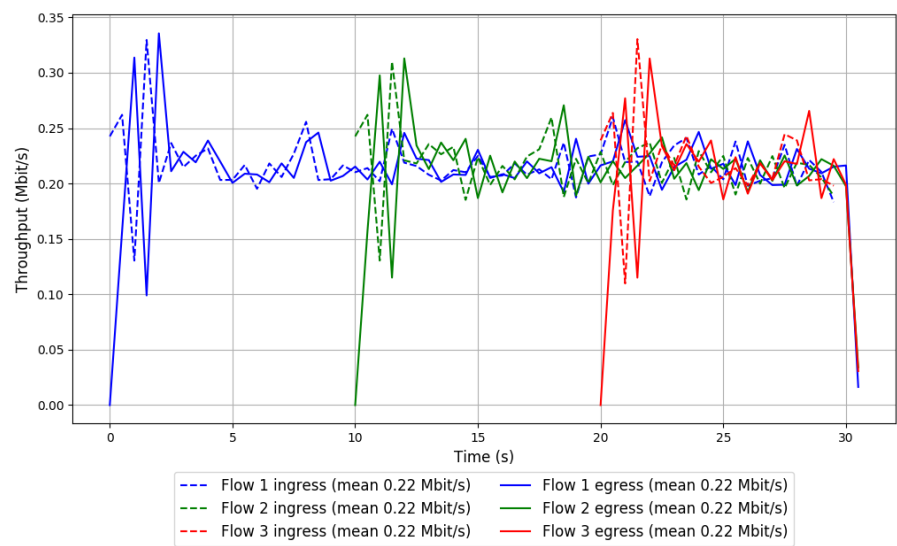
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 113.036 ms

Loss rate: 0.00%

Run 9: Report of SCSReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-06-29 20:29:10

End at: 2018-06-29 20:29:40

Local clock offset: -0.009 ms

Remote clock offset: 0.079 ms

Below is generated by plot.py at 2018-06-29 22:32:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 111.559 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.966 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.590 ms

Loss rate: 0.00%

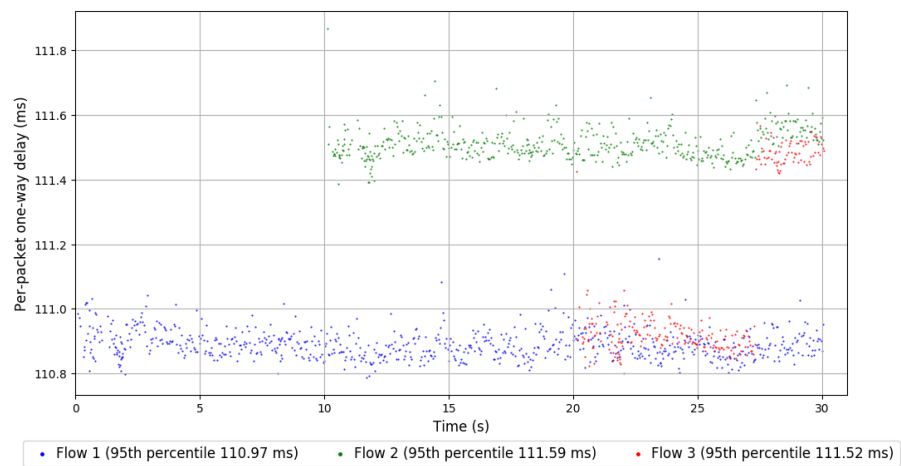
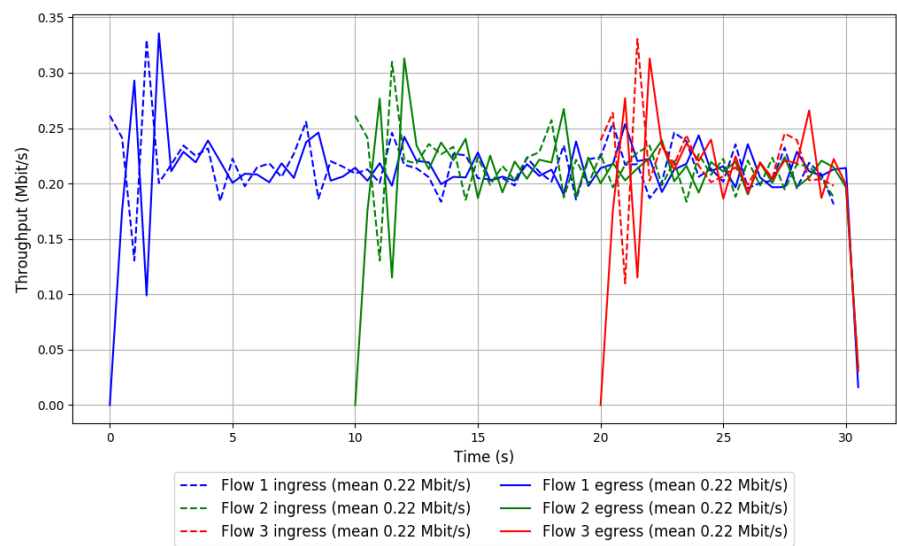
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.519 ms

Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-06-29 17:02:47

End at: 2018-06-29 17:03:17

Local clock offset: -1.376 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2018-06-29 22:32:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 112.342 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.278 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.390 ms

Loss rate: 0.00%

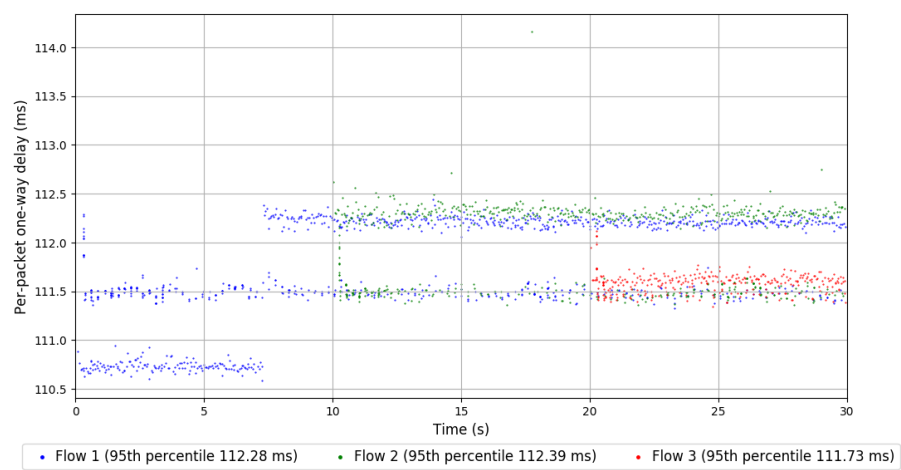
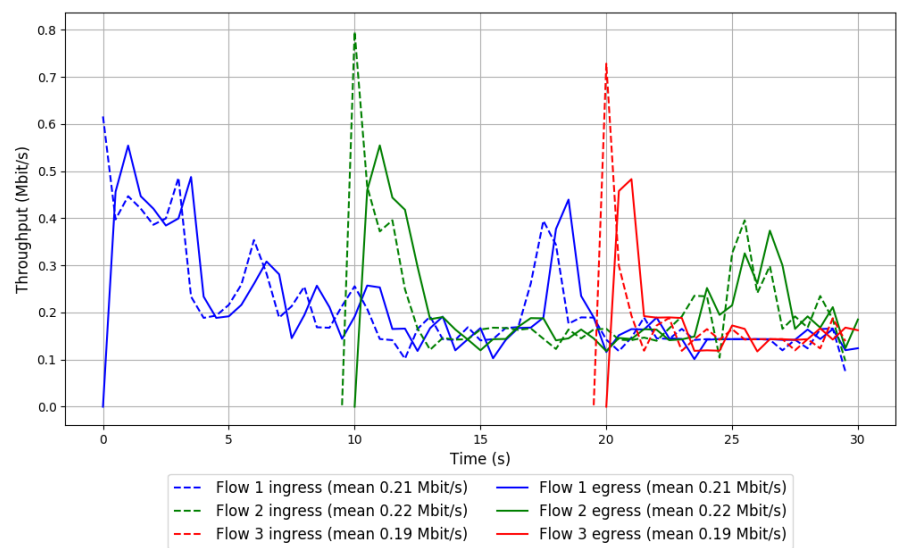
-- Flow 3:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 111.728 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-06-29 17:28:27

End at: 2018-06-29 17:28:57

Local clock offset: -0.1 ms

Remote clock offset: 0.105 ms

Below is generated by plot.py at 2018-06-29 22:32:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 111.370 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 111.391 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 111.323 ms

Loss rate: 0.00%

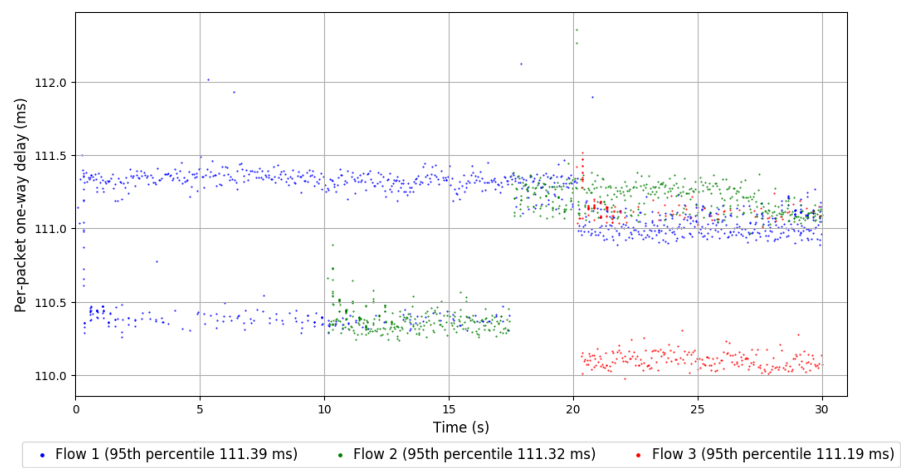
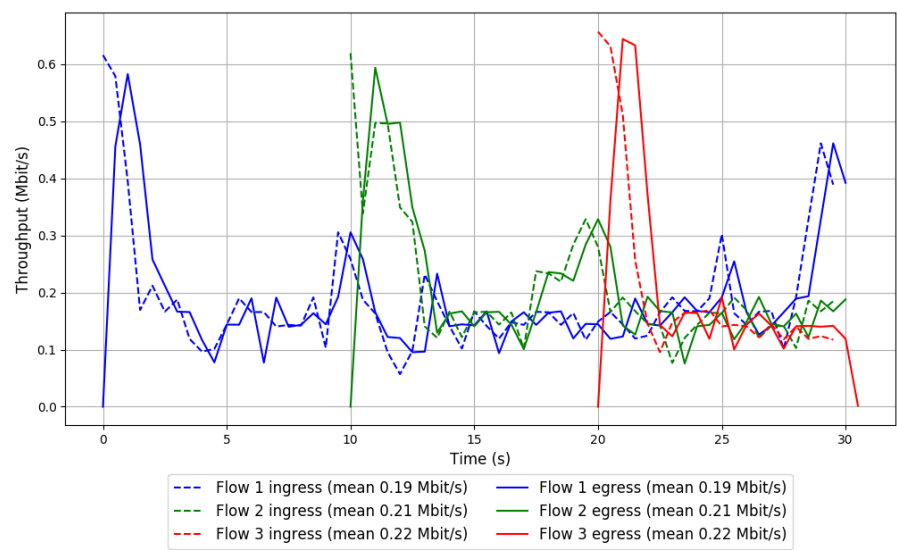
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.193 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

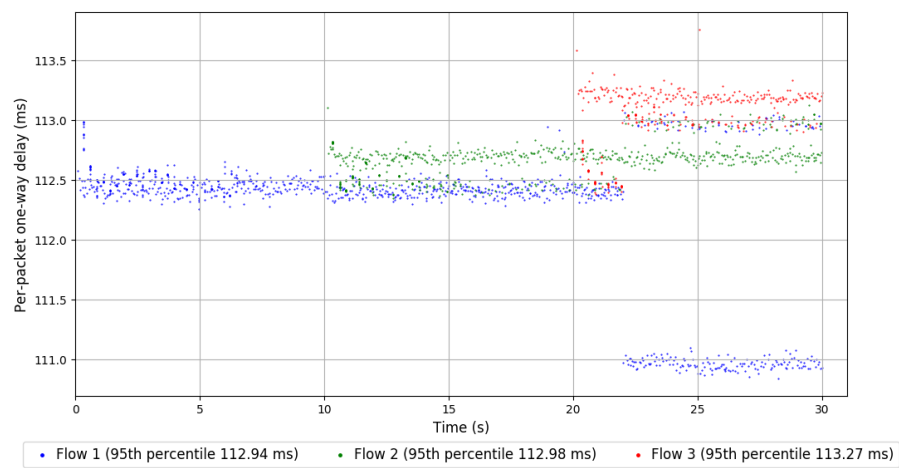
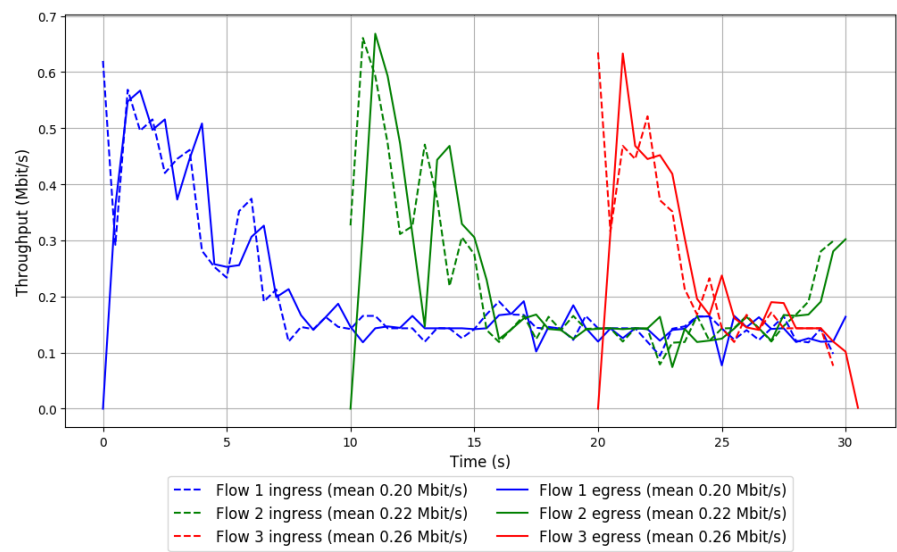


Run 3: Statistics of Sprout

Start at: 2018-06-29 17:54:12
End at: 2018-06-29 17:54:42
Local clock offset: -1.367 ms
Remote clock offset: 0.092 ms

```
# Below is generated by plot.py at 2018-06-29 22:32:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 113.196 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 112.935 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.978 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 113.268 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link

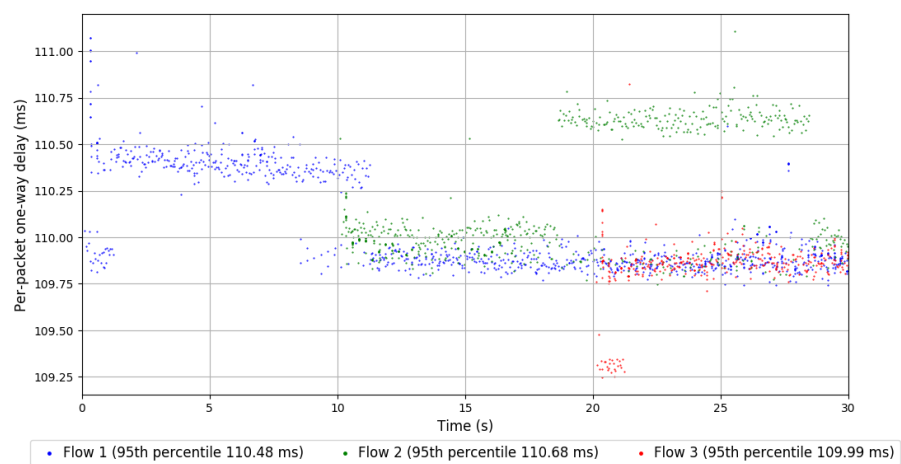
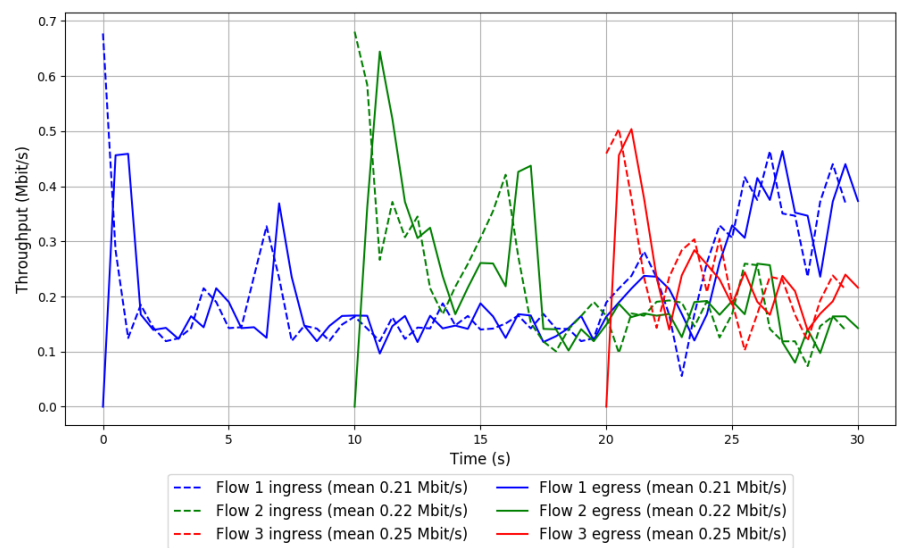


Run 4: Statistics of Sprout

Start at: 2018-06-29 18:19:26
End at: 2018-06-29 18:19:56
Local clock offset: 1.181 ms
Remote clock offset: -0.065 ms

```
# Below is generated by plot.py at 2018-06-29 22:32:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 110.638 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 110.483 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.681 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 109.989 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

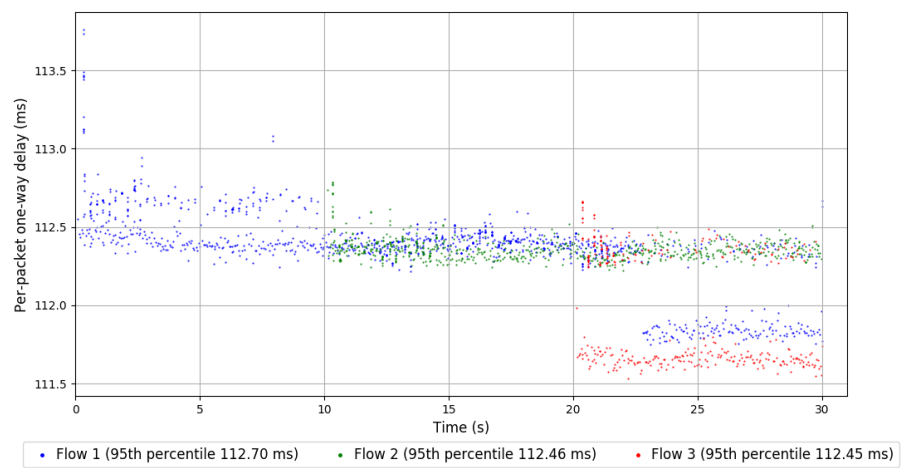
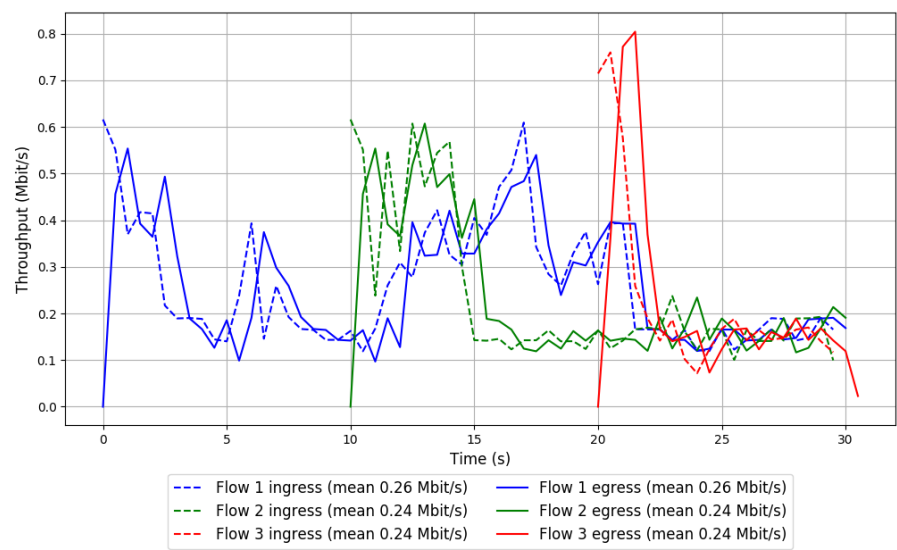


Run 5: Statistics of Sprout

Start at: 2018-06-29 18:45:14
End at: 2018-06-29 18:45:44
Local clock offset: -1.423 ms
Remote clock offset: 0.04 ms

```
# Below is generated by plot.py at 2018-06-29 22:32:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 112.659 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 112.697 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 112.464 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 112.449 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

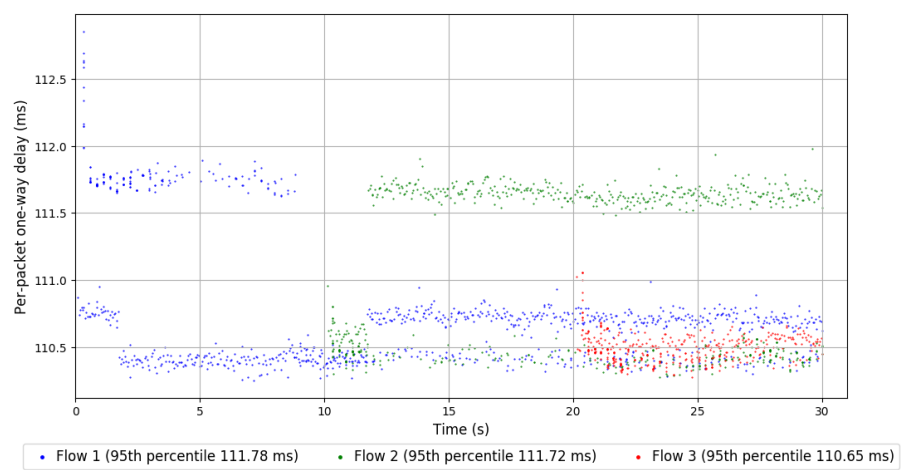
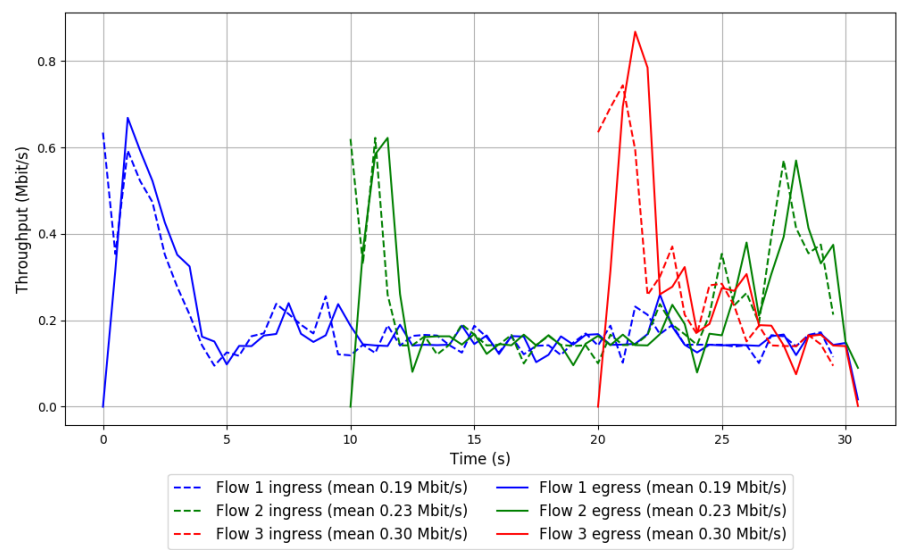


Run 6: Statistics of Sprout

Start at: 2018-06-29 19:10:45
End at: 2018-06-29 19:11:15
Local clock offset: -0.116 ms
Remote clock offset: 0.028 ms

```
# Below is generated by plot.py at 2018-06-29 22:32:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 111.745 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.781 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 111.724 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 110.647 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

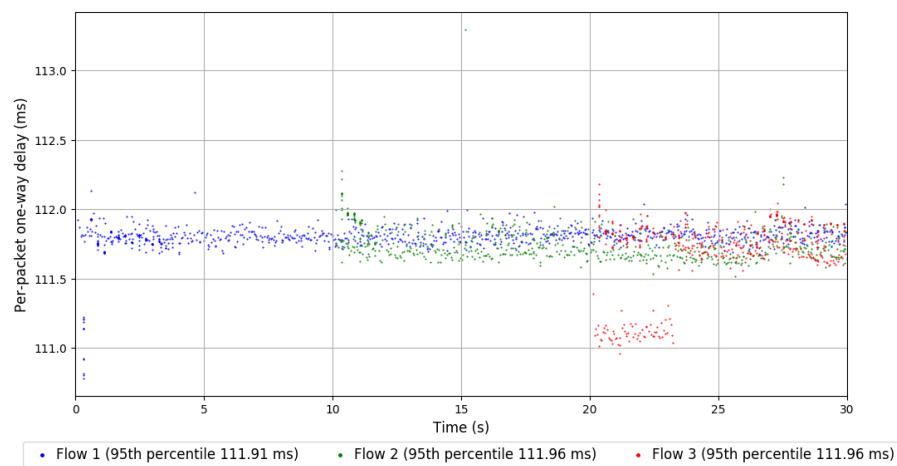
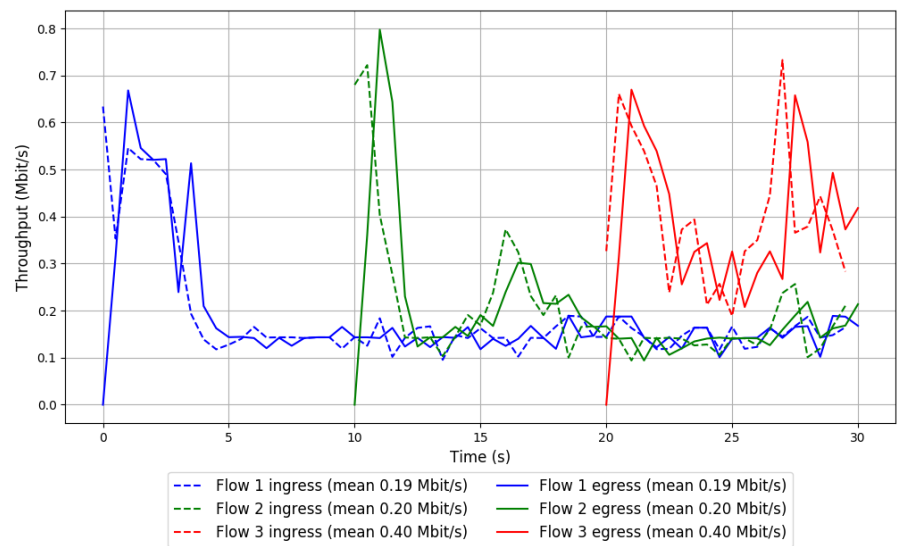


Run 7: Statistics of Sprout

Start at: 2018-06-29 19:36:34
End at: 2018-06-29 19:37:04
Local clock offset: -0.23 ms
Remote clock offset: -0.021 ms

```
# Below is generated by plot.py at 2018-06-29 22:32:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 111.935 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.913 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.961 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 111.956 ms
Loss rate: 0.00%
```


Run 7: Report of Sprout — Data Link

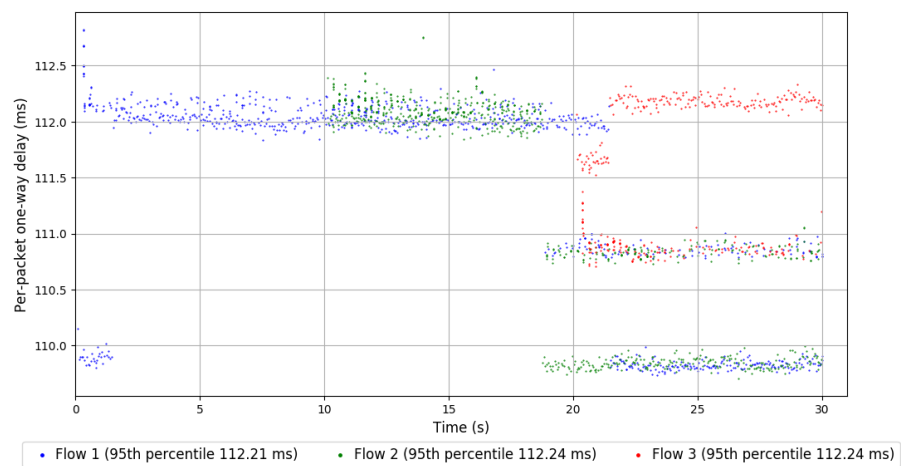
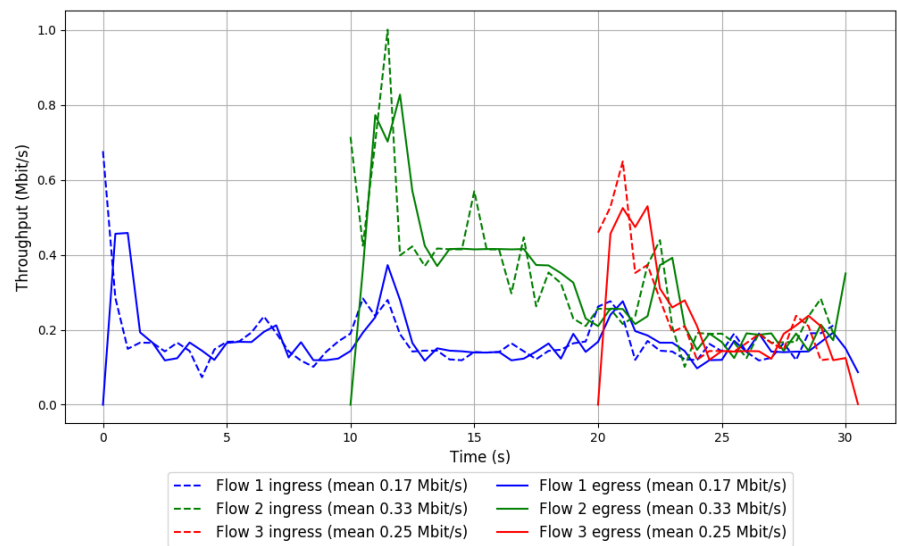


Run 8: Statistics of Sprout

Start at: 2018-06-29 20:02:25
End at: 2018-06-29 20:02:55
Local clock offset: -0.284 ms
Remote clock offset: 0.381 ms

```
# Below is generated by plot.py at 2018-06-29 22:32:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 112.227 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 112.206 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 112.242 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 112.242 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

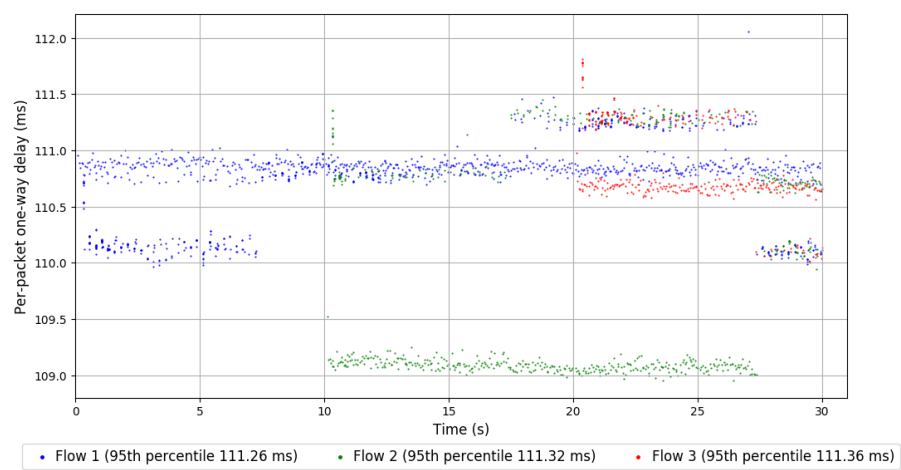
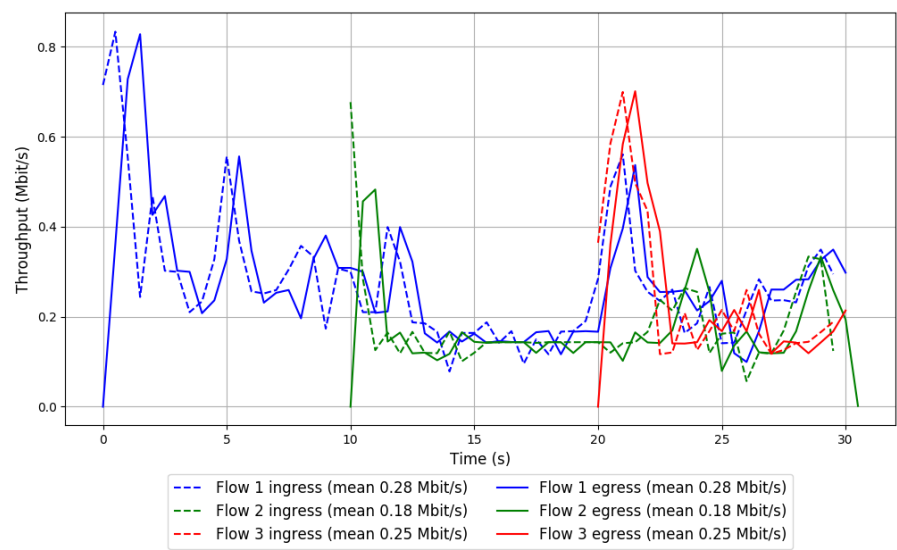


Run 9: Statistics of Sprout

Start at: 2018-06-29 20:27:57
End at: 2018-06-29 20:28:27
Local clock offset: -0.223 ms
Remote clock offset: -0.291 ms

```
# Below is generated by plot.py at 2018-06-29 22:32:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 111.317 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 111.264 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 111.321 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 111.360 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

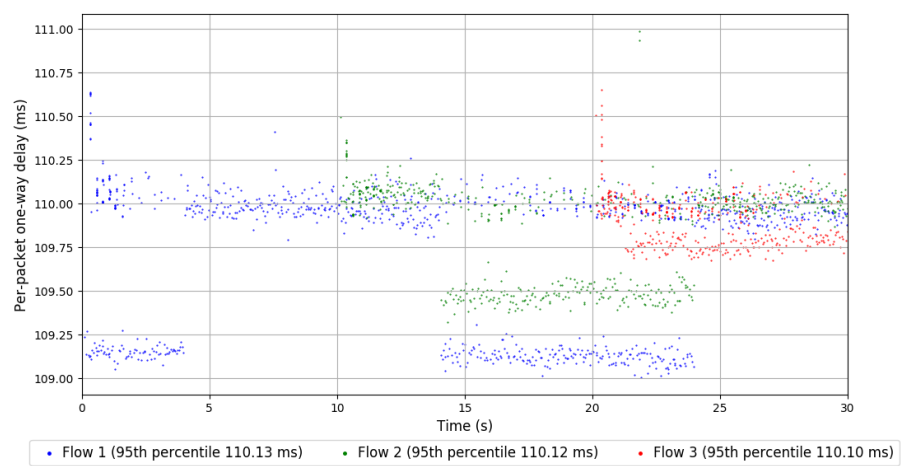
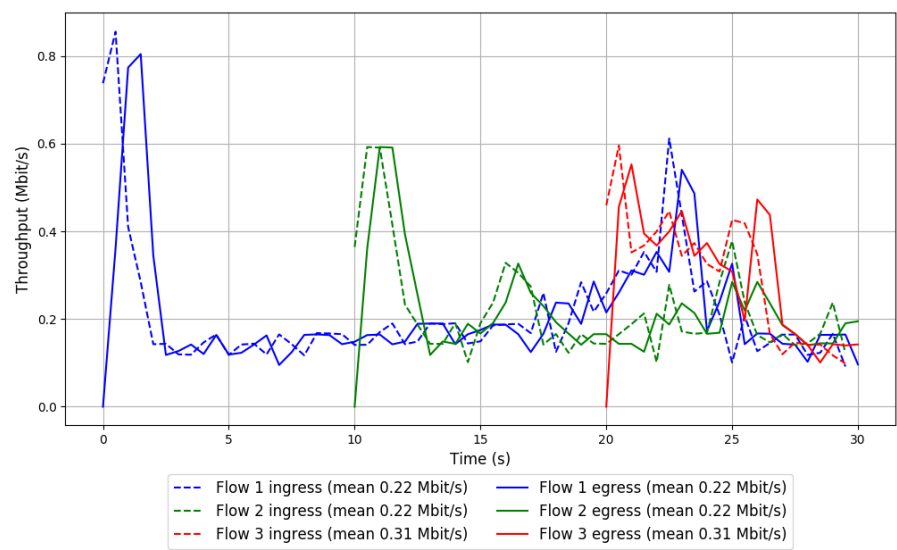


Run 10: Statistics of Sprout

Start at: 2018-06-29 20:53:33
End at: 2018-06-29 20:54:03
Local clock offset: 1.419 ms
Remote clock offset: 0.063 ms

```
# Below is generated by plot.py at 2018-06-29 22:32:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 110.121 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.128 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.122 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 110.096 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

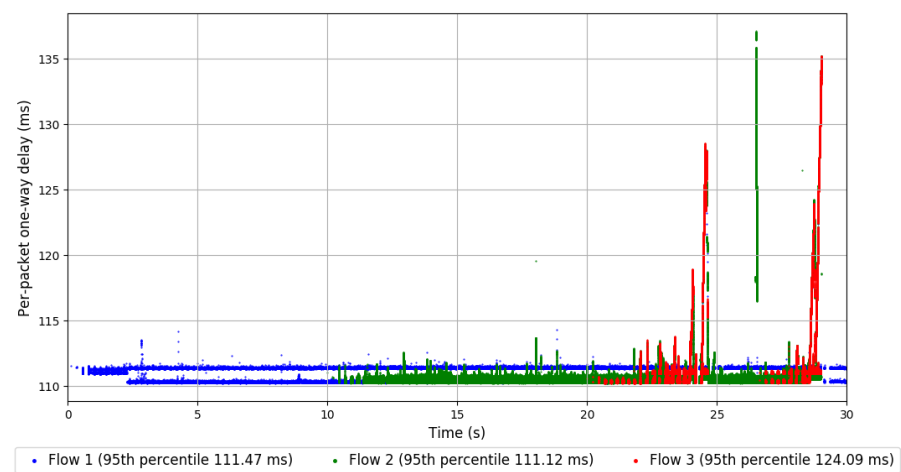
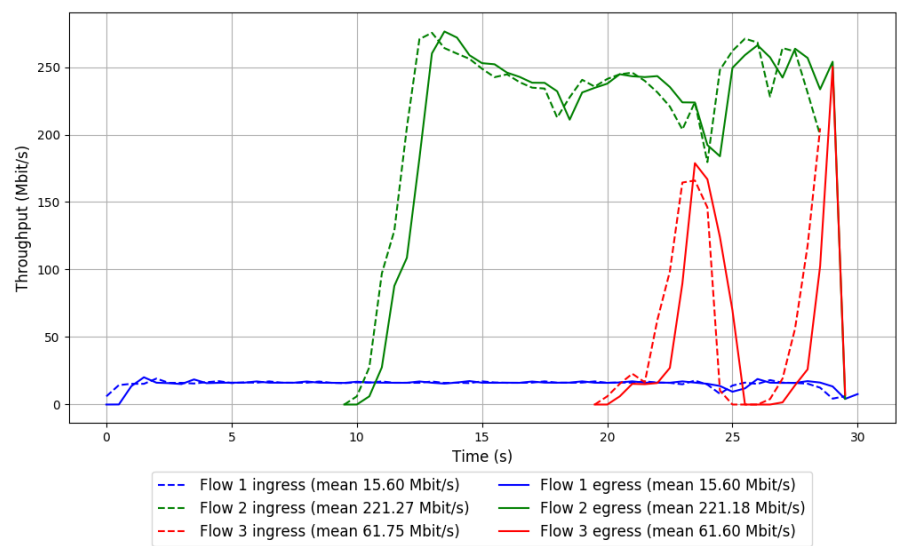


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-06-29 16:50:42
End at: 2018-06-29 16:51:12
Local clock offset: -0.295 ms
Remote clock offset: 0.135 ms

# Below is generated by plot.py at 2018-06-29 22:33:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 175.15 Mbit/s
95th percentile per-packet one-way delay: 112.168 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.60 Mbit/s
95th percentile per-packet one-way delay: 111.471 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 221.18 Mbit/s
95th percentile per-packet one-way delay: 111.118 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 61.60 Mbit/s
95th percentile per-packet one-way delay: 124.088 ms
Loss rate: 0.00%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-06-29 17:16:12

End at: 2018-06-29 17:16:42

Local clock offset: 0.07 ms

Remote clock offset: 0.139 ms

Below is generated by plot.py at 2018-06-29 22:38:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 358.82 Mbit/s

95th percentile per-packet one-way delay: 111.549 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 218.62 Mbit/s

95th percentile per-packet one-way delay: 111.415 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 202.73 Mbit/s

95th percentile per-packet one-way delay: 111.779 ms

Loss rate: 0.00%

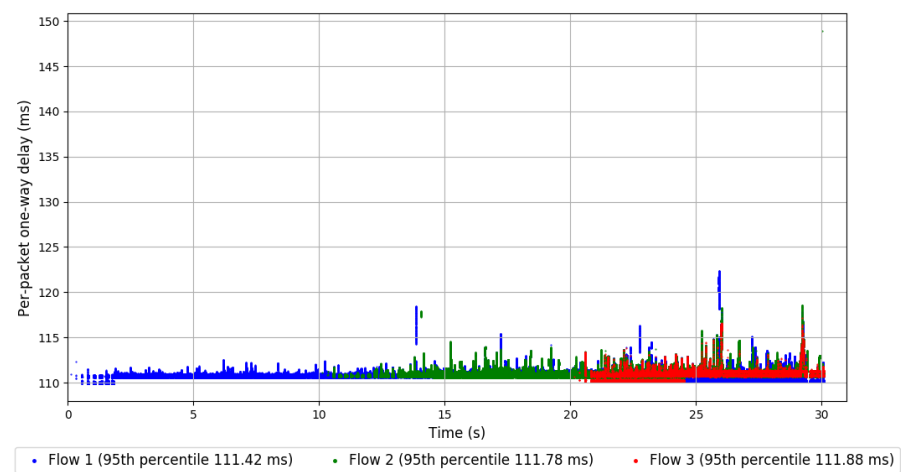
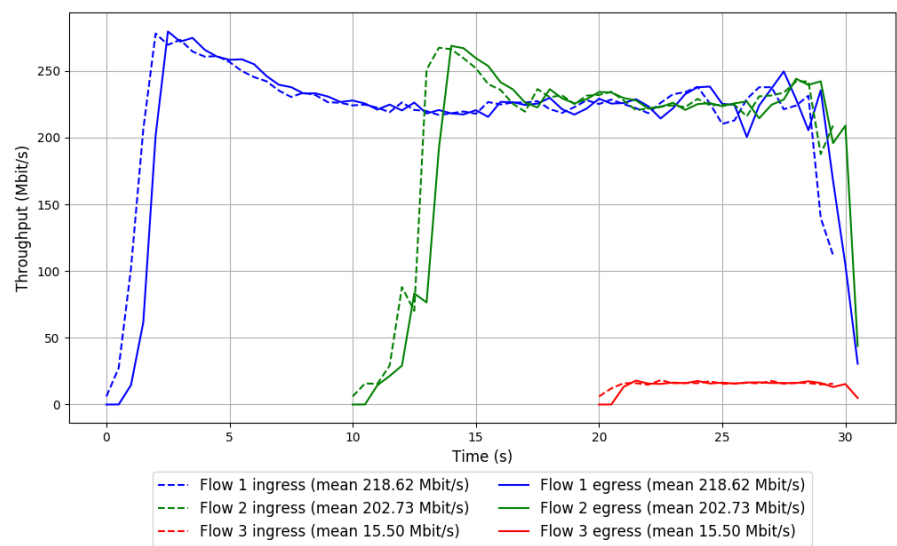
-- Flow 3:

Average throughput: 15.50 Mbit/s

95th percentile per-packet one-way delay: 111.878 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-06-29 17:41:48

End at: 2018-06-29 17:42:18

Local clock offset: -1.563 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-06-29 22:39:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 359.17 Mbit/s

95th percentile per-packet one-way delay: 113.225 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 219.92 Mbit/s

95th percentile per-packet one-way delay: 113.089 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 202.82 Mbit/s

95th percentile per-packet one-way delay: 113.459 ms

Loss rate: 0.00%

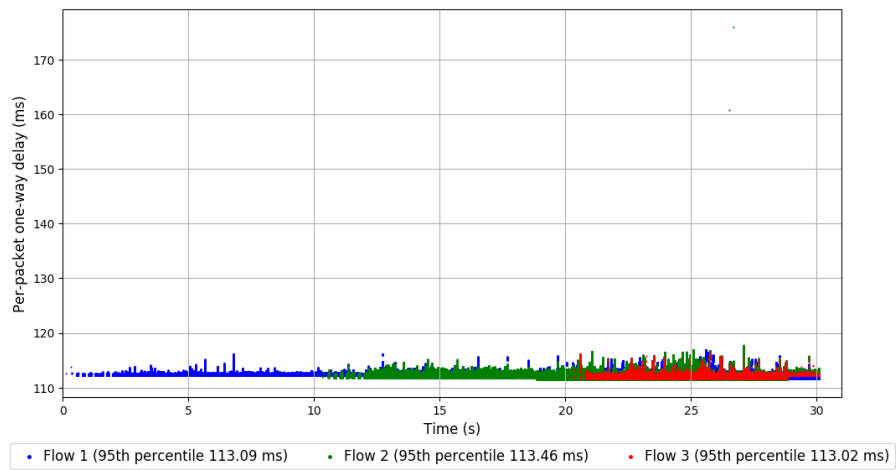
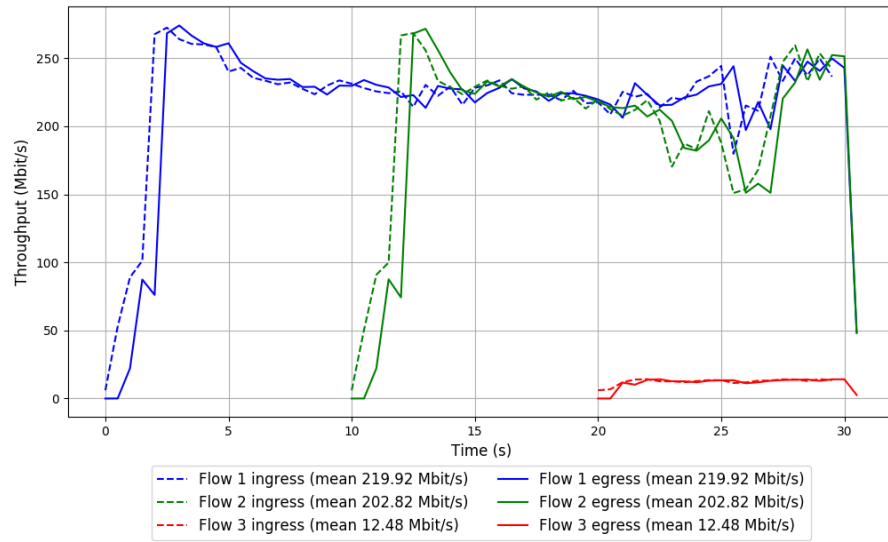
-- Flow 3:

Average throughput: 12.48 Mbit/s

95th percentile per-packet one-way delay: 113.015 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-06-29 18:07:23

End at: 2018-06-29 18:07:53

Local clock offset: 0.043 ms

Remote clock offset: -0.51 ms

Below is generated by plot.py at 2018-06-29 22:39:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 279.61 Mbit/s

95th percentile per-packet one-way delay: 111.153 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 209.92 Mbit/s

95th percentile per-packet one-way delay: 111.171 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 13.64 Mbit/s

95th percentile per-packet one-way delay: 110.650 ms

Loss rate: 0.00%

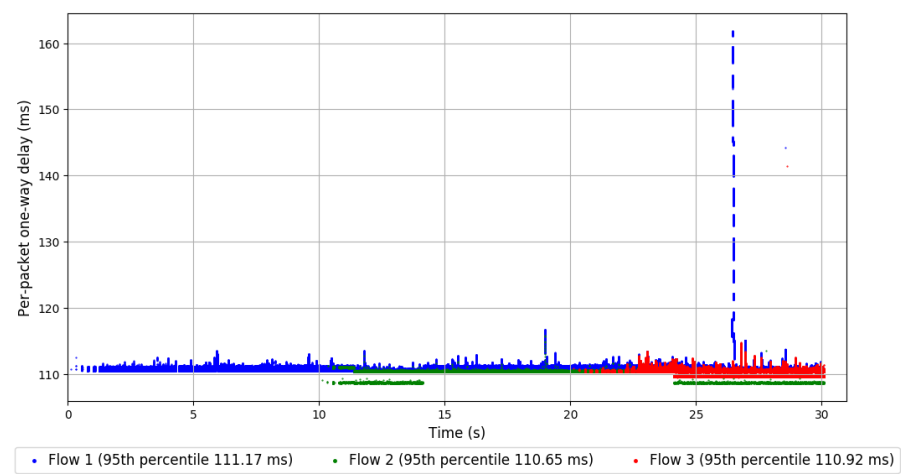
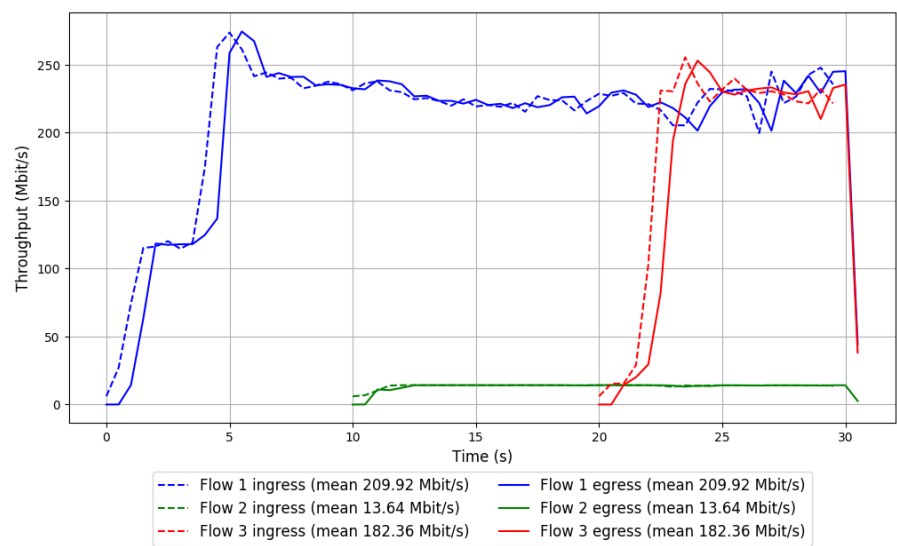
-- Flow 3:

Average throughput: 182.36 Mbit/s

95th percentile per-packet one-way delay: 110.918 ms

Loss rate: 0.01%

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

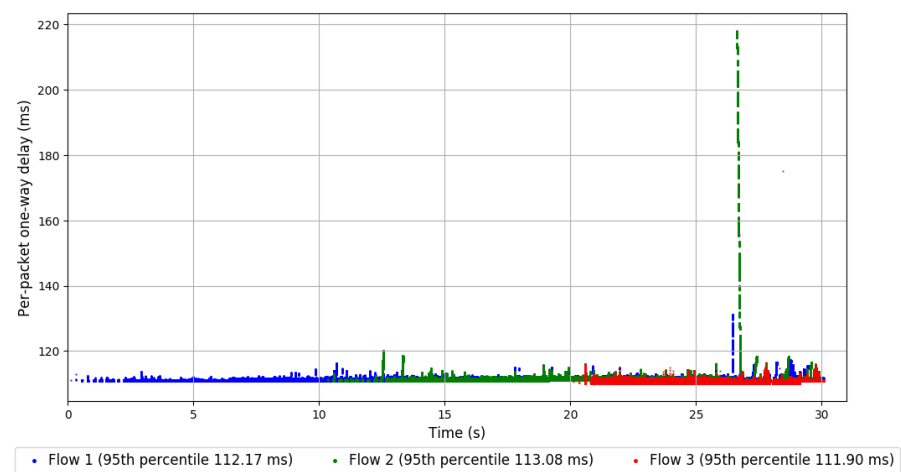
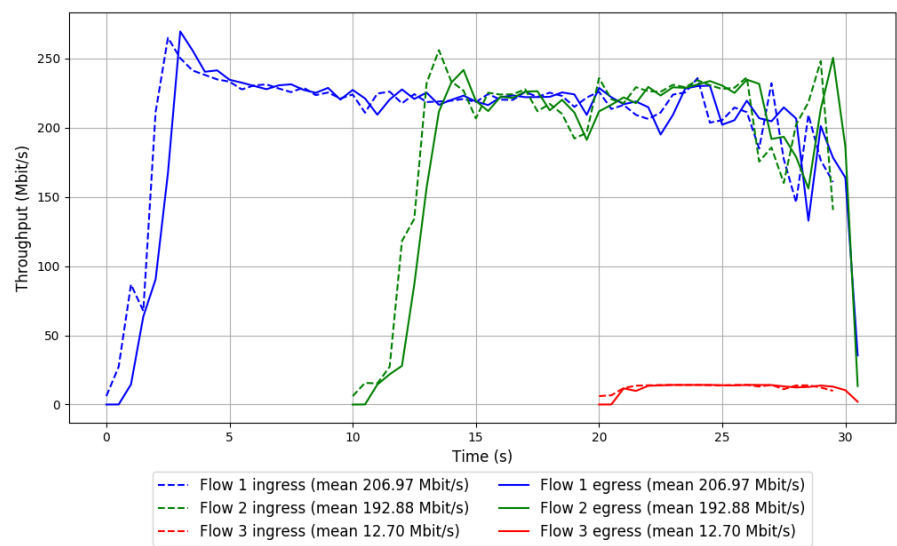


Run 5: Statistics of TaoVA-100x

Start at: 2018-06-29 18:32:48
End at: 2018-06-29 18:33:18
Local clock offset: -0.032 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-06-29 22:39:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 339.63 Mbit/s
95th percentile per-packet one-way delay: 112.384 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 206.97 Mbit/s
95th percentile per-packet one-way delay: 112.168 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 192.88 Mbit/s
95th percentile per-packet one-way delay: 113.077 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.70 Mbit/s
95th percentile per-packet one-way delay: 111.900 ms
Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-06-29 18:58:38

End at: 2018-06-29 18:59:08

Local clock offset: -1.163 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2018-06-29 22:39:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 247.26 Mbit/s

95th percentile per-packet one-way delay: 113.354 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 89.70 Mbit/s

95th percentile per-packet one-way delay: 113.508 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 178.50 Mbit/s

95th percentile per-packet one-way delay: 112.756 ms

Loss rate: 0.00%

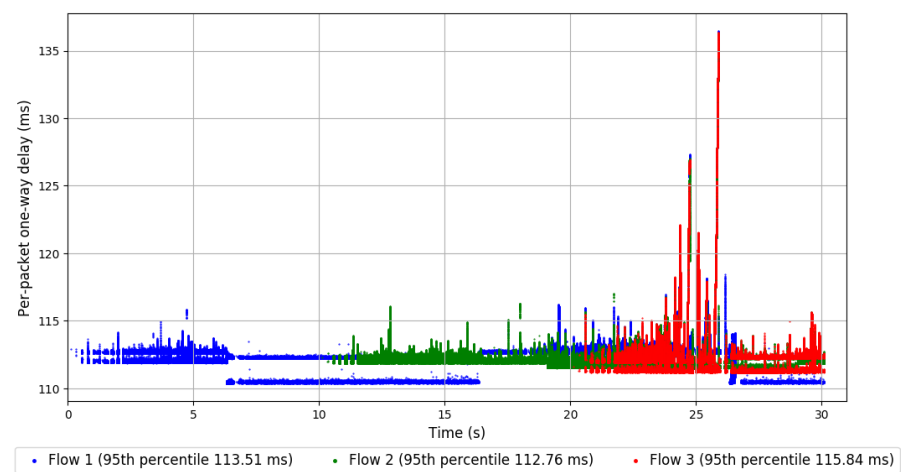
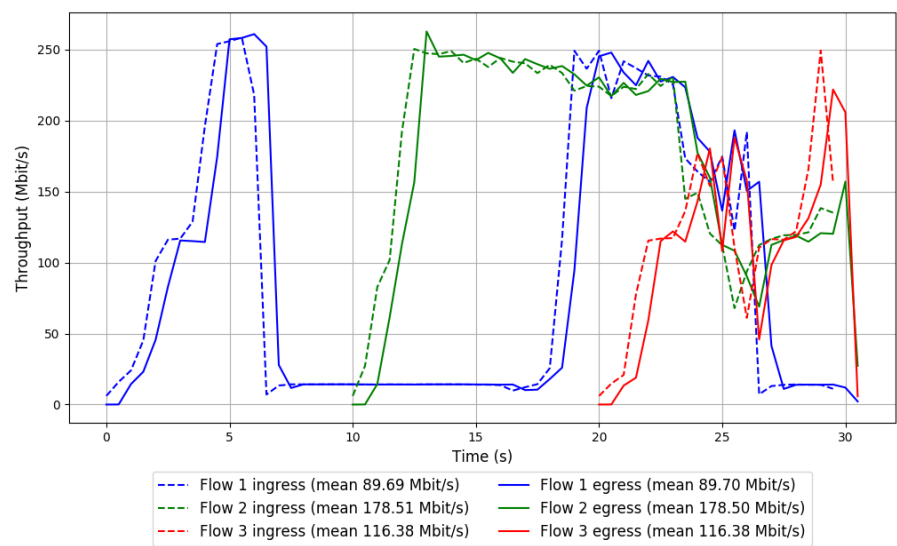
-- Flow 3:

Average throughput: 116.38 Mbit/s

95th percentile per-packet one-way delay: 115.842 ms

Loss rate: 0.01%

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

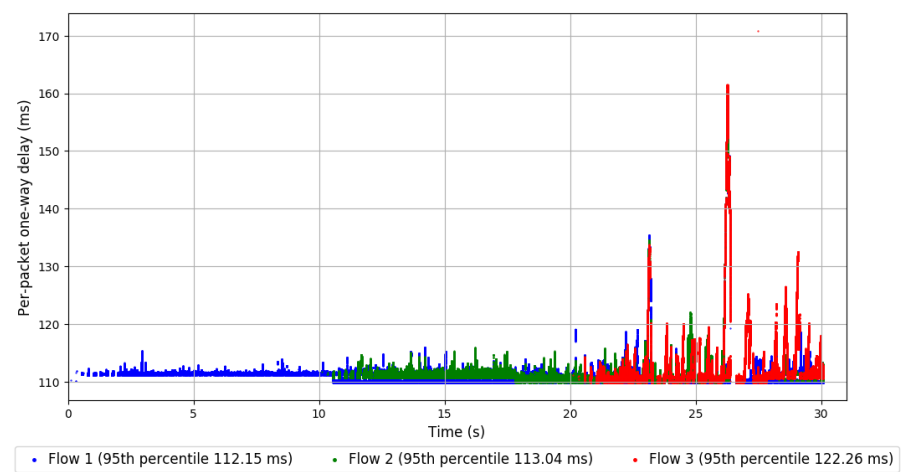
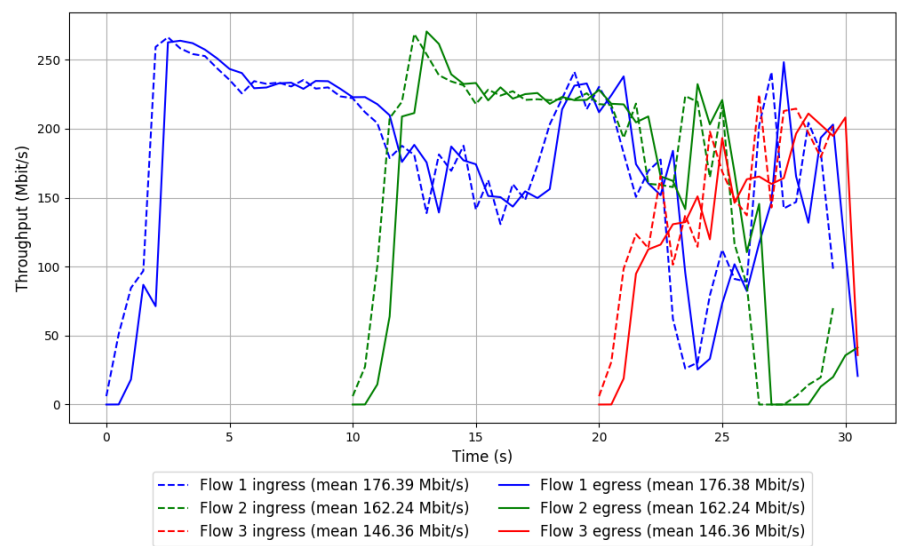


Run 7: Statistics of TaoVA-100x

Start at: 2018-06-29 19:24:06
End at: 2018-06-29 19:24:36
Local clock offset: -0.206 ms
Remote clock offset: -0.383 ms

Below is generated by plot.py at 2018-06-29 22:41:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 333.08 Mbit/s
95th percentile per-packet one-way delay: 113.955 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 176.38 Mbit/s
95th percentile per-packet one-way delay: 112.152 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 162.24 Mbit/s
95th percentile per-packet one-way delay: 113.041 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 146.36 Mbit/s
95th percentile per-packet one-way delay: 122.262 ms
Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-06-29 19:49:53

End at: 2018-06-29 19:50:23

Local clock offset: -0.037 ms

Remote clock offset: 0.387 ms

Below is generated by plot.py at 2018-06-29 22:43:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 345.52 Mbit/s

95th percentile per-packet one-way delay: 112.189 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 203.02 Mbit/s

95th percentile per-packet one-way delay: 112.082 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 207.50 Mbit/s

95th percentile per-packet one-way delay: 112.330 ms

Loss rate: 0.00%

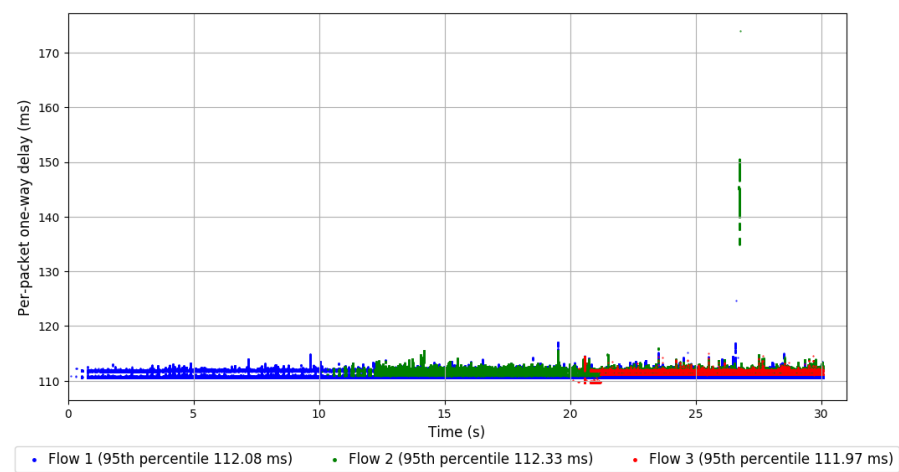
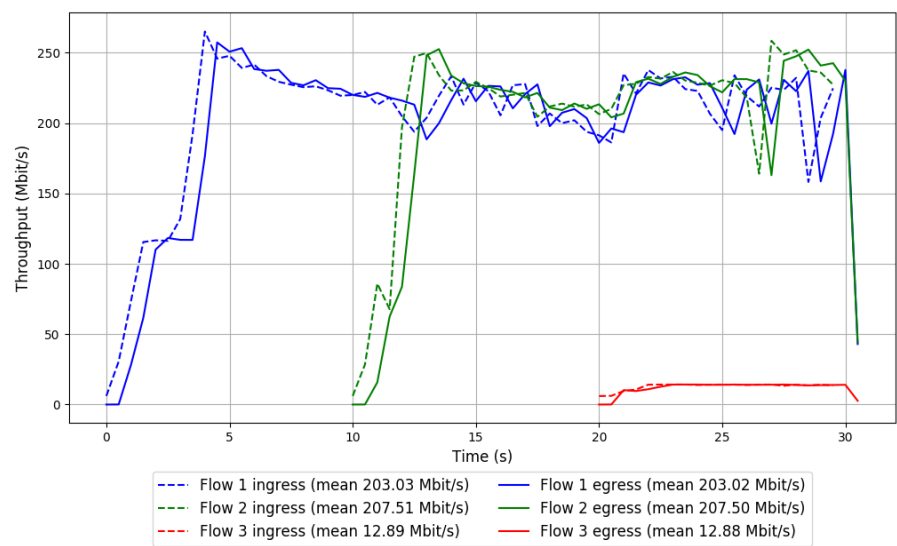
-- Flow 3:

Average throughput: 12.88 Mbit/s

95th percentile per-packet one-way delay: 111.975 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-06-29 20:15:46

End at: 2018-06-29 20:16:16

Local clock offset: -0.239 ms

Remote clock offset: 0.474 ms

Below is generated by plot.py at 2018-06-29 22:43:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 212.62 Mbit/s

95th percentile per-packet one-way delay: 112.091 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 13.36 Mbit/s

95th percentile per-packet one-way delay: 112.035 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 203.65 Mbit/s

95th percentile per-packet one-way delay: 112.079 ms

Loss rate: 0.00%

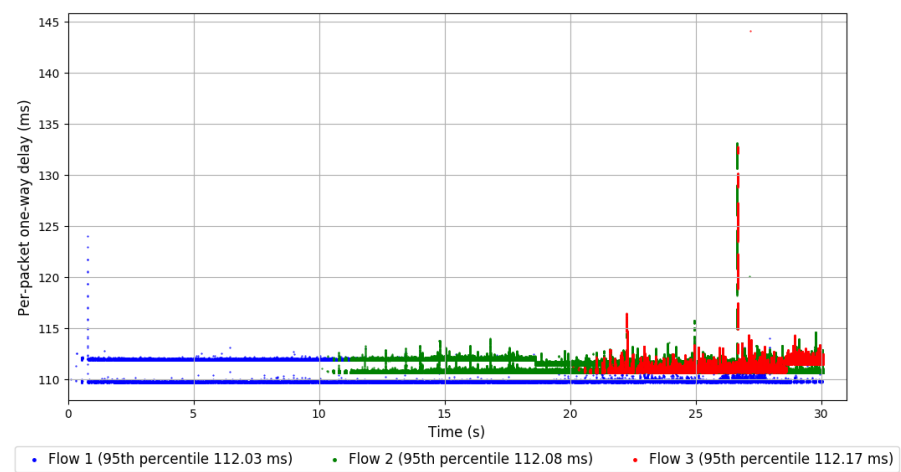
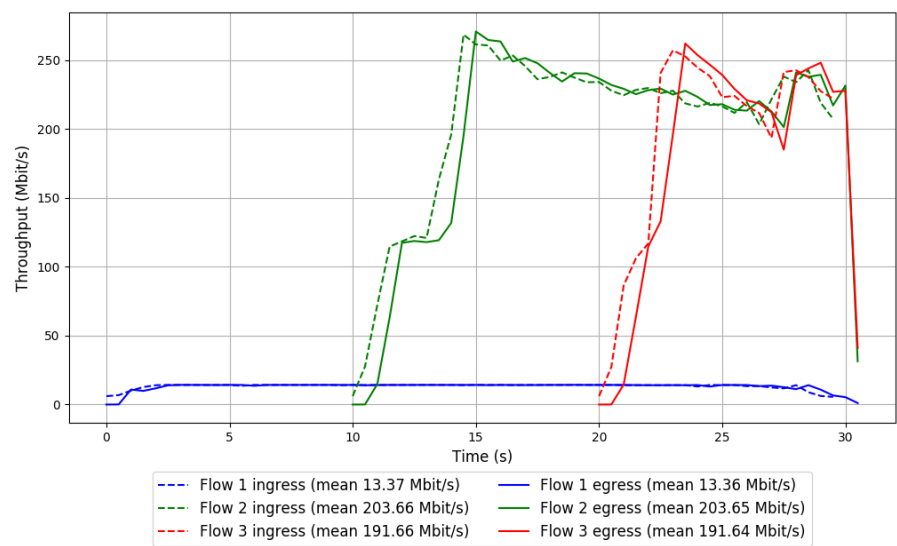
-- Flow 3:

Average throughput: 191.64 Mbit/s

95th percentile per-packet one-way delay: 112.166 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-06-29 20:41:11

End at: 2018-06-29 20:41:41

Local clock offset: -0.121 ms

Remote clock offset: 0.118 ms

Below is generated by plot.py at 2018-06-29 22:44:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 230.94 Mbit/s

95th percentile per-packet one-way delay: 111.594 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 215.01 Mbit/s

95th percentile per-packet one-way delay: 111.598 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 16.03 Mbit/s

95th percentile per-packet one-way delay: 111.528 ms

Loss rate: 0.00%

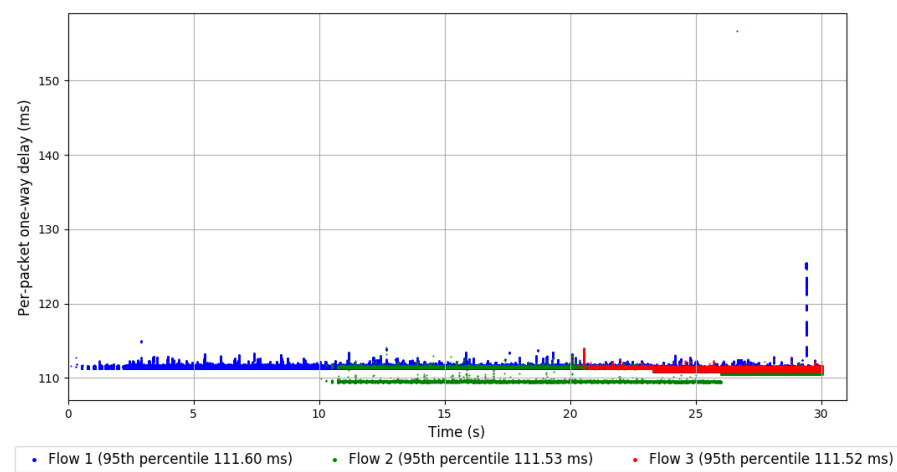
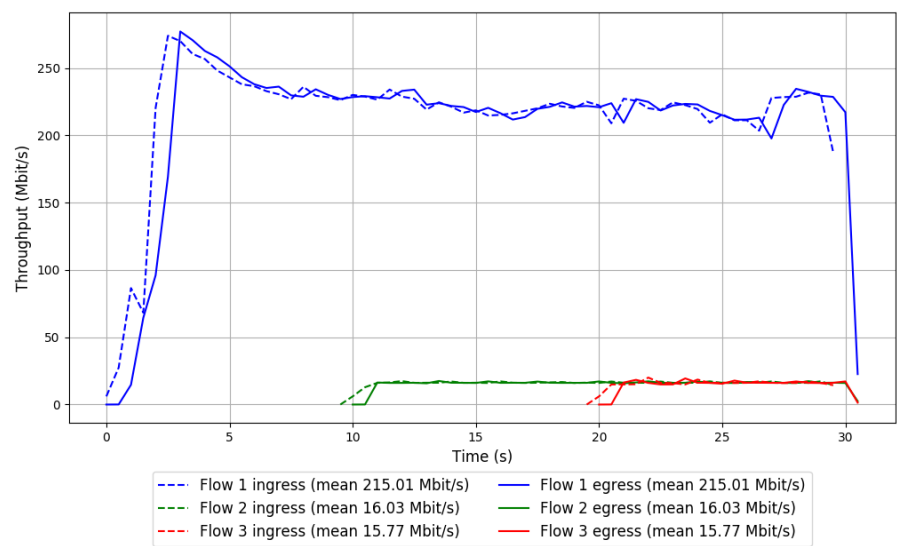
-- Flow 3:

Average throughput: 15.77 Mbit/s

95th percentile per-packet one-way delay: 111.520 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-06-29 16:57:00

End at: 2018-06-29 16:57:30

Local clock offset: -0.231 ms

Remote clock offset: 0.102 ms

Below is generated by plot.py at 2018-06-29 22:44:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 169.00 Mbit/s

95th percentile per-packet one-way delay: 118.773 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 102.45 Mbit/s

95th percentile per-packet one-way delay: 118.672 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 99.91 Mbit/s

95th percentile per-packet one-way delay: 118.956 ms

Loss rate: 0.00%

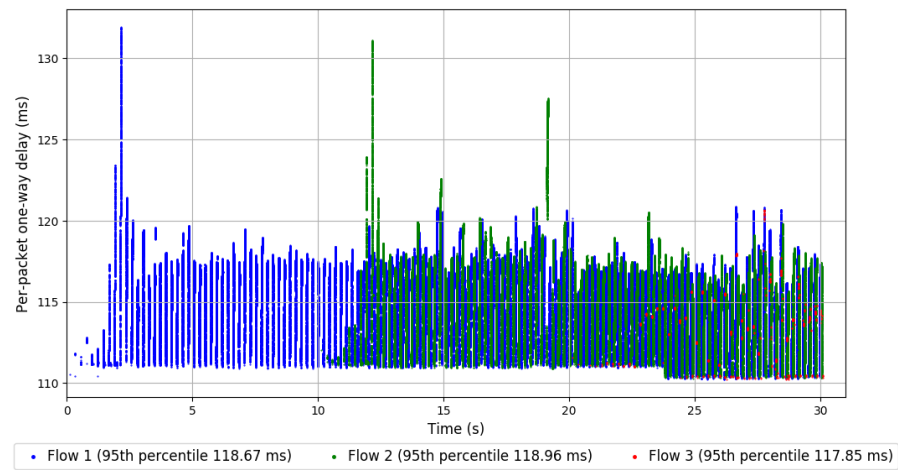
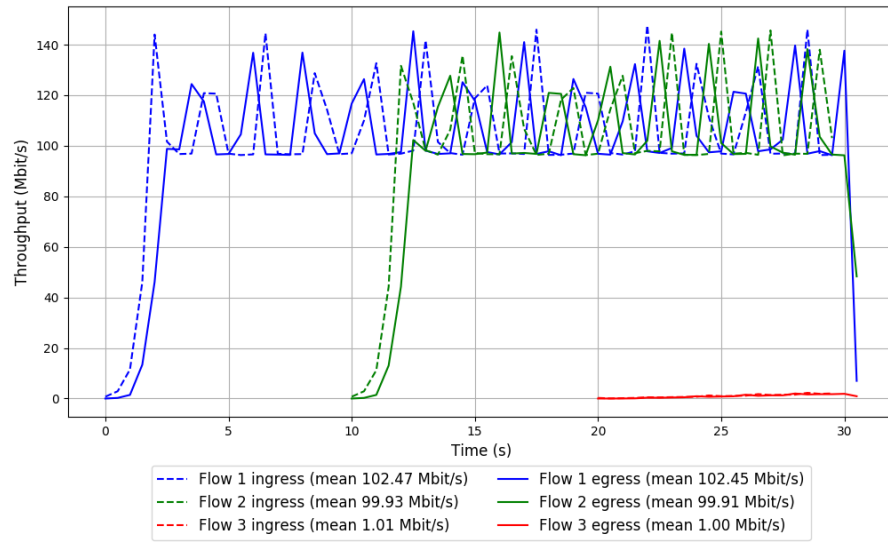
-- Flow 3:

Average throughput: 1.00 Mbit/s

95th percentile per-packet one-way delay: 117.848 ms

Loss rate: 1.19%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-06-29 17:22:46

End at: 2018-06-29 17:23:16

Local clock offset: -0.092 ms

Remote clock offset: 0.119 ms

Below is generated by plot.py at 2018-06-29 22:44:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.79 Mbit/s

95th percentile per-packet one-way delay: 116.979 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 23.10 Mbit/s

95th percentile per-packet one-way delay: 115.258 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 32.96 Mbit/s

95th percentile per-packet one-way delay: 117.267 ms

Loss rate: 0.00%

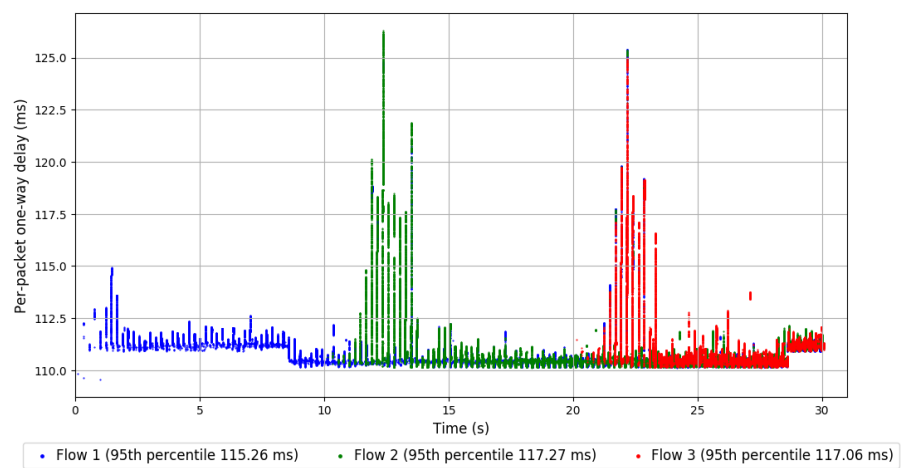
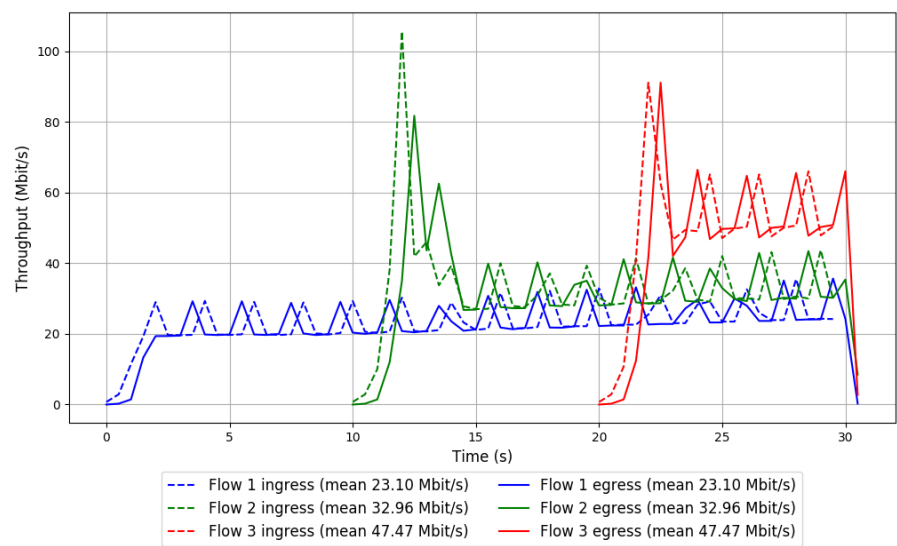
-- Flow 3:

Average throughput: 47.47 Mbit/s

95th percentile per-packet one-way delay: 117.058 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

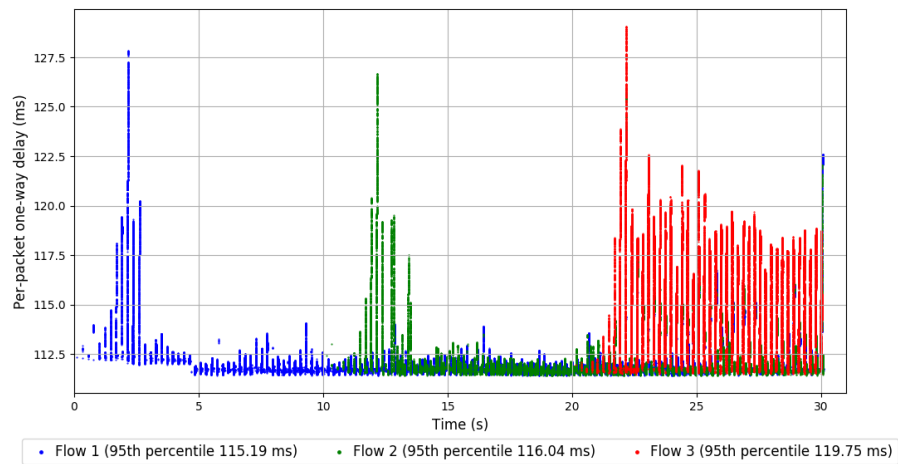
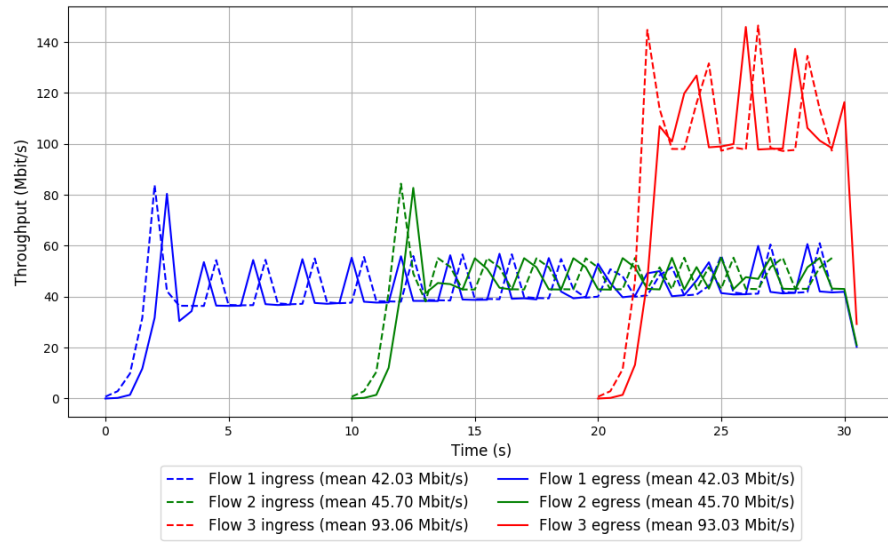


Run 3: Statistics of TCP Vegas

Start at: 2018-06-29 17:48:30
End at: 2018-06-29 17:49:00
Local clock offset: -1.061 ms
Remote clock offset: -0.363 ms

```
# Below is generated by plot.py at 2018-06-29 22:44:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 103.15 Mbit/s
95th percentile per-packet one-way delay: 118.596 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.03 Mbit/s
95th percentile per-packet one-way delay: 115.194 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.70 Mbit/s
95th percentile per-packet one-way delay: 116.044 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 93.03 Mbit/s
95th percentile per-packet one-way delay: 119.749 ms
Loss rate: 0.00%
```


Run 3: Report of TCP Vegas — Data Link

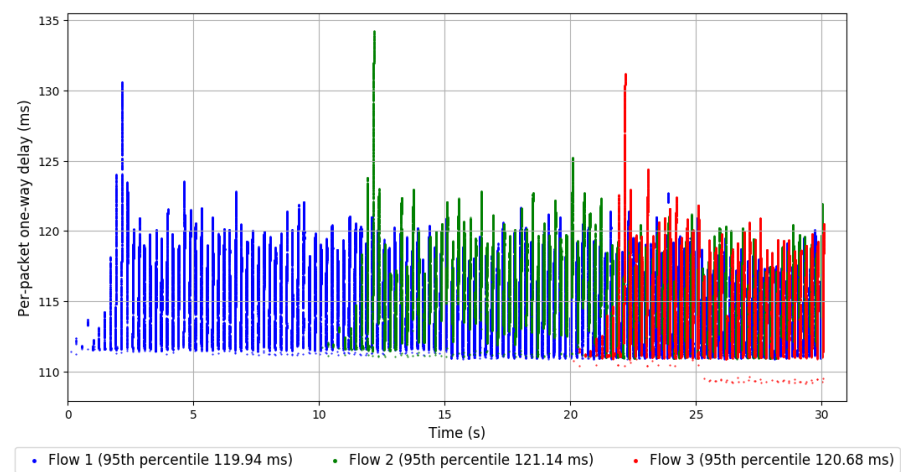
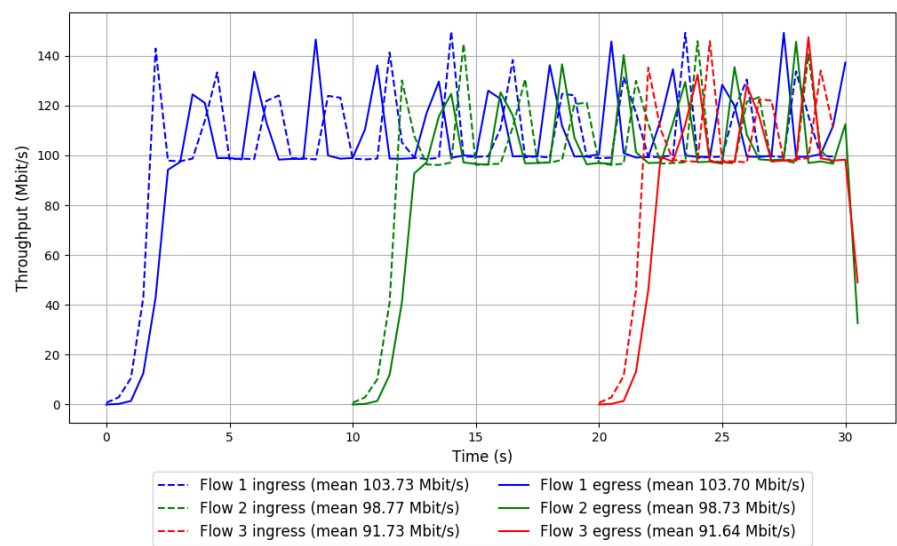


Run 4: Statistics of TCP Vegas

Start at: 2018-06-29 18:13:39
End at: 2018-06-29 18:14:09
Local clock offset: -0.451 ms
Remote clock offset: -0.492 ms

Below is generated by plot.py at 2018-06-29 22:44:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 199.38 Mbit/s
95th percentile per-packet one-way delay: 120.496 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 103.70 Mbit/s
95th percentile per-packet one-way delay: 119.937 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 98.73 Mbit/s
95th percentile per-packet one-way delay: 121.144 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 91.64 Mbit/s
95th percentile per-packet one-way delay: 120.683 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-06-29 18:39:27

End at: 2018-06-29 18:39:57

Local clock offset: -0.13 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-06-29 22:44:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 143.05 Mbit/s

95th percentile per-packet one-way delay: 119.034 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 102.38 Mbit/s

95th percentile per-packet one-way delay: 119.515 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 60.39 Mbit/s

95th percentile per-packet one-way delay: 116.903 ms

Loss rate: 0.04%

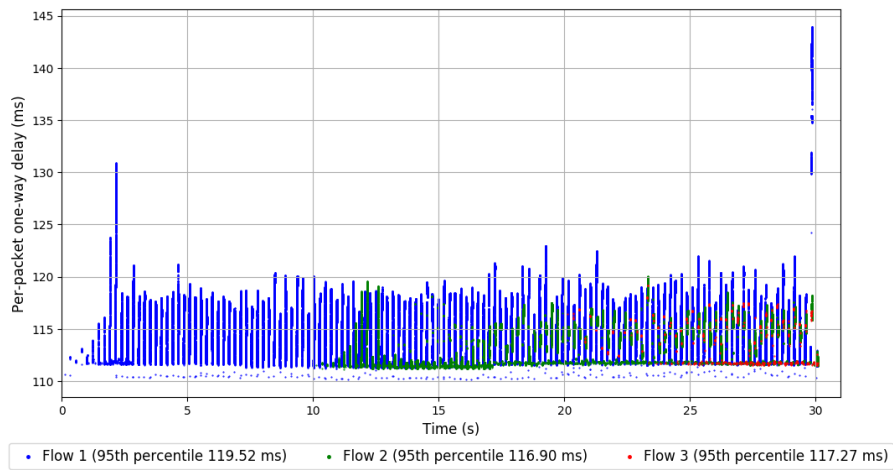
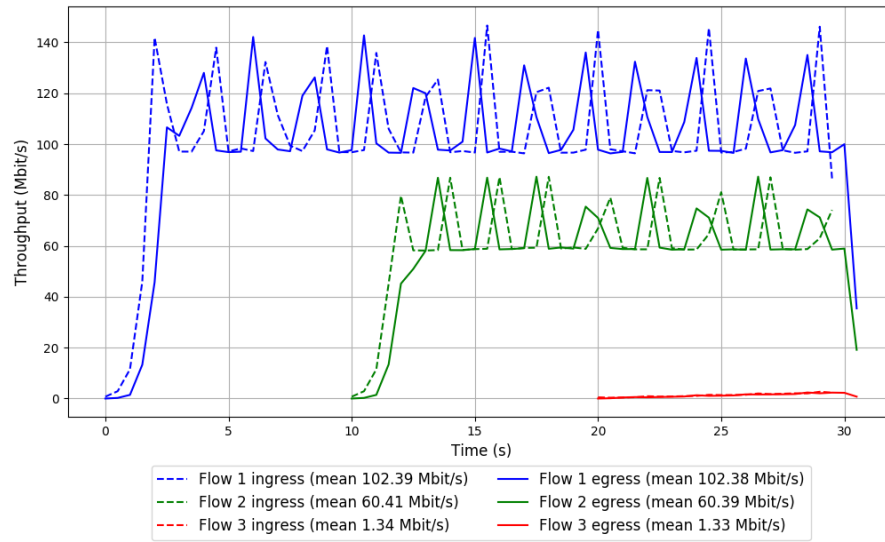
-- Flow 3:

Average throughput: 1.33 Mbit/s

95th percentile per-packet one-way delay: 117.266 ms

Loss rate: 0.45%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-06-29 19:05:02

End at: 2018-06-29 19:05:32

Local clock offset: 1.242 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-06-29 22:44:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.12 Mbit/s

95th percentile per-packet one-way delay: 115.660 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 48.77 Mbit/s

95th percentile per-packet one-way delay: 115.653 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 55.50 Mbit/s

95th percentile per-packet one-way delay: 114.813 ms

Loss rate: 0.00%

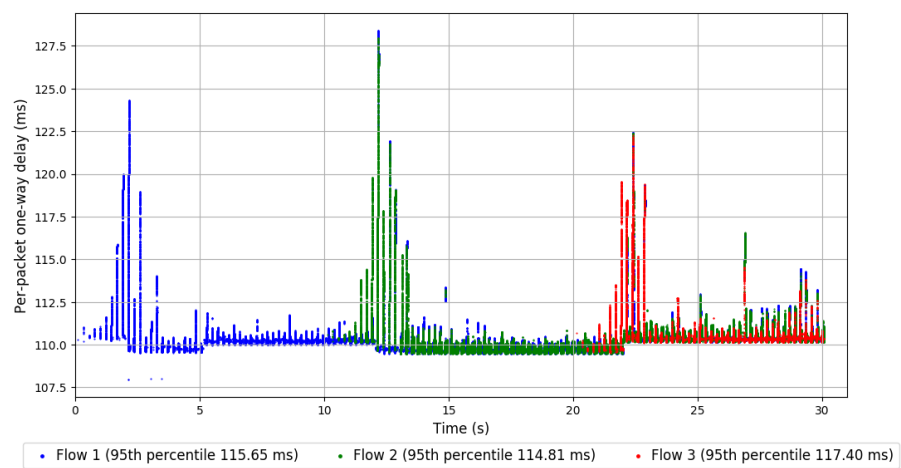
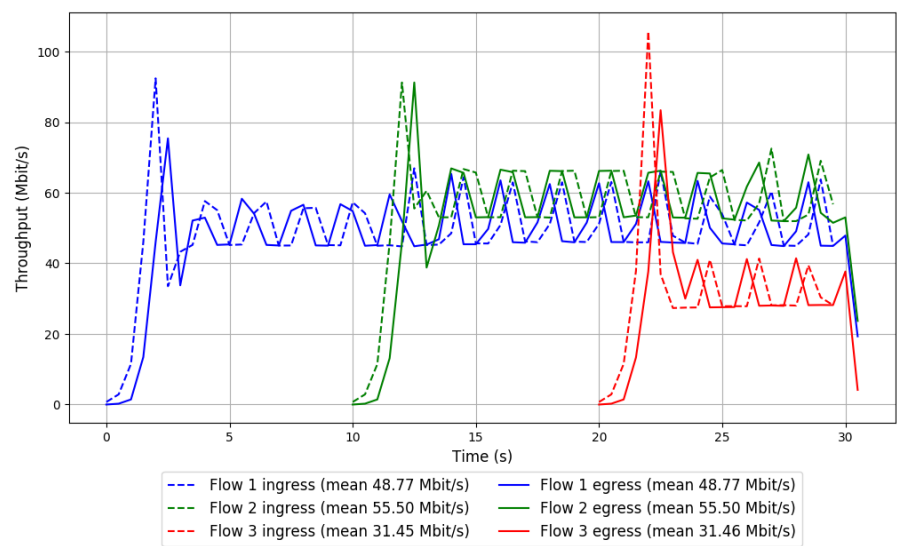
-- Flow 3:

Average throughput: 31.46 Mbit/s

95th percentile per-packet one-way delay: 117.401 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

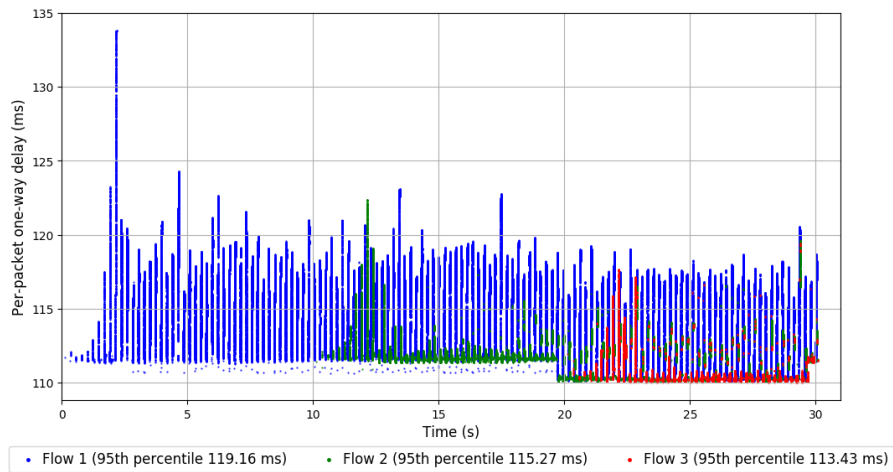
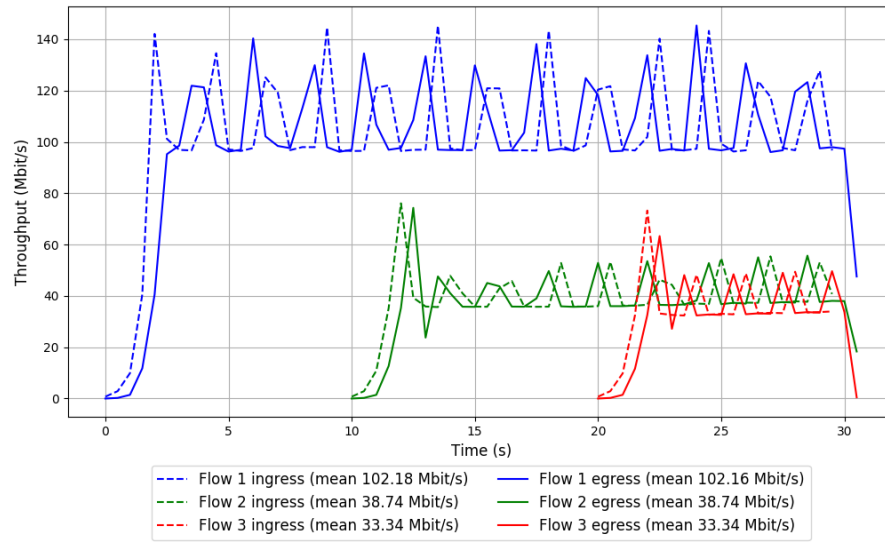


Run 7: Statistics of TCP Vegas

Start at: 2018-06-29 19:30:45
End at: 2018-06-29 19:31:15
Local clock offset: -0.004 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-06-29 22:44:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 138.92 Mbit/s
95th percentile per-packet one-way delay: 118.814 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 102.16 Mbit/s
95th percentile per-packet one-way delay: 119.161 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.74 Mbit/s
95th percentile per-packet one-way delay: 115.268 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.34 Mbit/s
95th percentile per-packet one-way delay: 113.430 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

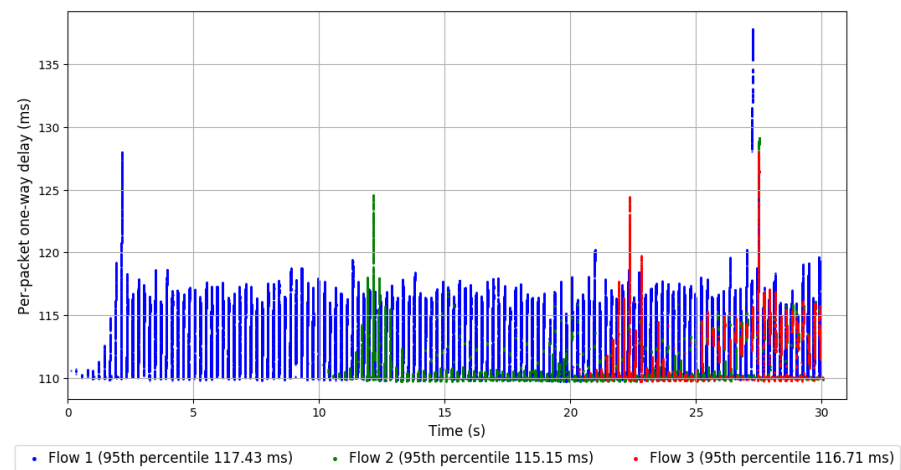
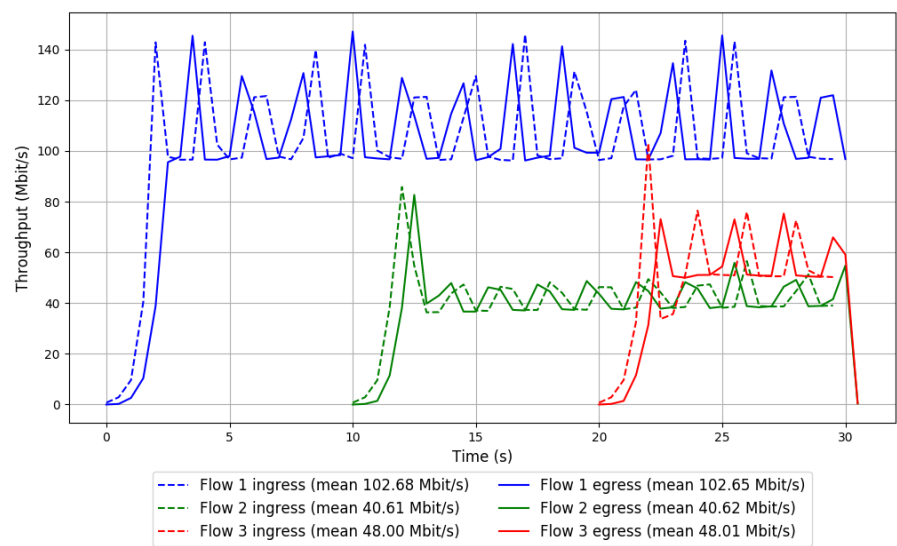


Run 8: Statistics of TCP Vegas

Start at: 2018-06-29 19:56:35
End at: 2018-06-29 19:57:05
Local clock offset: -0.1 ms
Remote clock offset: -0.346 ms

Below is generated by plot.py at 2018-06-29 22:44:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 145.18 Mbit/s
95th percentile per-packet one-way delay: 117.310 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 102.65 Mbit/s
95th percentile per-packet one-way delay: 117.428 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.62 Mbit/s
95th percentile per-packet one-way delay: 115.153 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 48.01 Mbit/s
95th percentile per-packet one-way delay: 116.709 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-06-29 20:22:08

End at: 2018-06-29 20:22:38

Local clock offset: -0.295 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-06-29 22:44:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 137.58 Mbit/s

95th percentile per-packet one-way delay: 118.378 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 102.65 Mbit/s

95th percentile per-packet one-way delay: 118.596 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 31.99 Mbit/s

95th percentile per-packet one-way delay: 112.473 ms

Loss rate: 0.00%

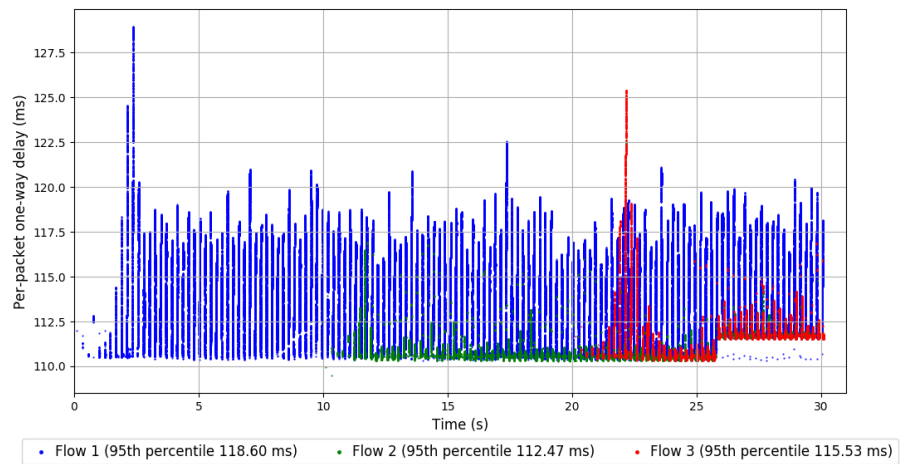
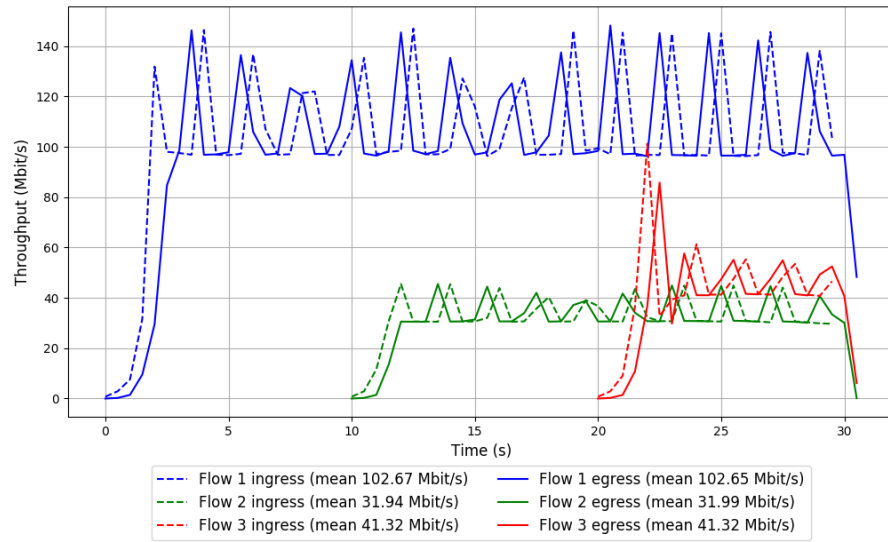
-- Flow 3:

Average throughput: 41.32 Mbit/s

95th percentile per-packet one-way delay: 115.531 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-06-29 20:47:41

End at: 2018-06-29 20:48:11

Local clock offset: -0.069 ms

Remote clock offset: 0.452 ms

Below is generated by plot.py at 2018-06-29 22:45:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 198.89 Mbit/s

95th percentile per-packet one-way delay: 119.572 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 102.18 Mbit/s

95th percentile per-packet one-way delay: 119.167 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 98.93 Mbit/s

95th percentile per-packet one-way delay: 120.272 ms

Loss rate: 0.26%

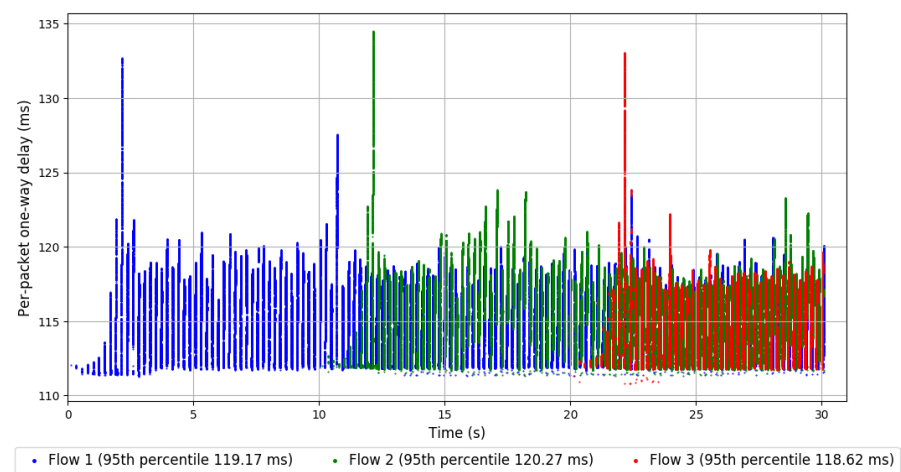
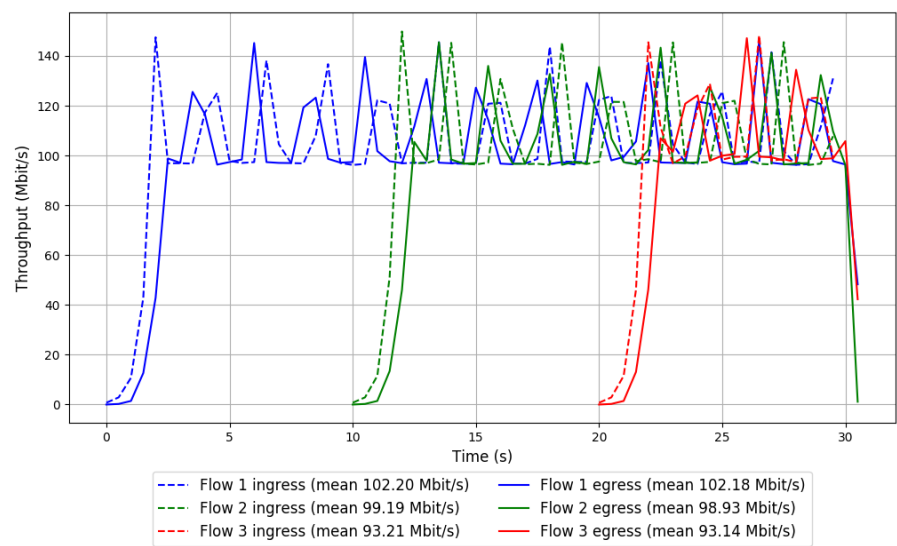
-- Flow 3:

Average throughput: 93.14 Mbit/s

95th percentile per-packet one-way delay: 118.621 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-06-29 16:41:08

End at: 2018-06-29 16:41:38

Local clock offset: -1.433 ms

Remote clock offset: 0.569 ms

Below is generated by plot.py at 2018-06-29 22:46:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 222.32 Mbit/s

95th percentile per-packet one-way delay: 233.987 ms

Loss rate: 1.20%

-- Flow 1:

Average throughput: 122.72 Mbit/s

95th percentile per-packet one-way delay: 233.658 ms

Loss rate: 1.10%

-- Flow 2:

Average throughput: 131.42 Mbit/s

95th percentile per-packet one-way delay: 220.975 ms

Loss rate: 0.74%

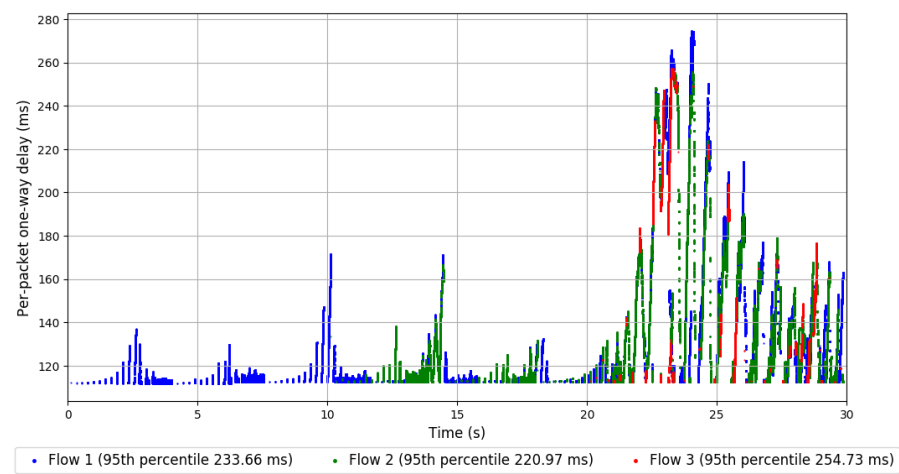
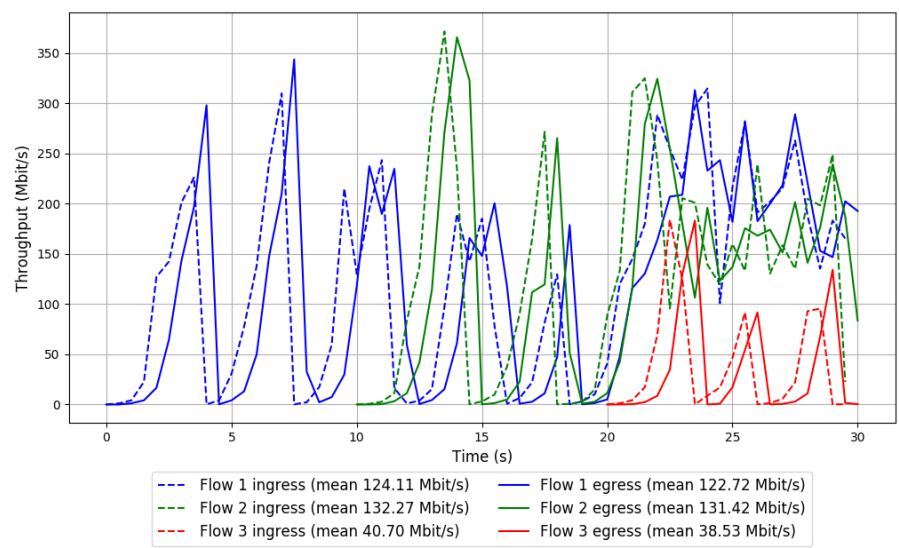
-- Flow 3:

Average throughput: 38.53 Mbit/s

95th percentile per-packet one-way delay: 254.726 ms

Loss rate: 5.27%

Run 1: Report of Verus — Data Link

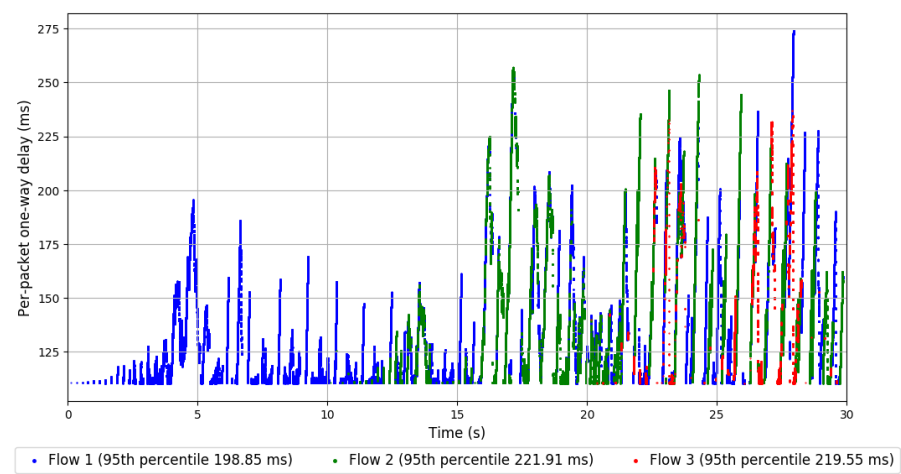
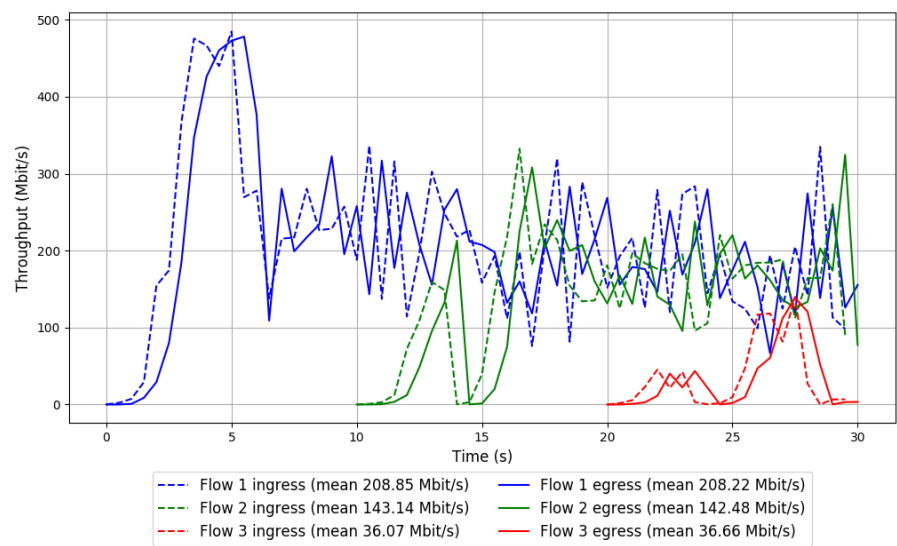


Run 2: Statistics of Verus

Start at: 2018-06-29 17:06:25
End at: 2018-06-29 17:06:55
Local clock offset: -0.059 ms
Remote clock offset: -0.273 ms

Below is generated by plot.py at 2018-06-29 22:48:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 314.36 Mbit/s
95th percentile per-packet one-way delay: 209.604 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 208.22 Mbit/s
95th percentile per-packet one-way delay: 198.850 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 142.48 Mbit/s
95th percentile per-packet one-way delay: 221.909 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 36.66 Mbit/s
95th percentile per-packet one-way delay: 219.551 ms
Loss rate: 1.02%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-06-29 17:32:05

End at: 2018-06-29 17:32:35

Local clock offset: 0.149 ms

Remote clock offset: 0.431 ms

Below is generated by plot.py at 2018-06-29 22:48:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 277.77 Mbit/s

95th percentile per-packet one-way delay: 189.152 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 172.99 Mbit/s

95th percentile per-packet one-way delay: 182.748 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 139.88 Mbit/s

95th percentile per-packet one-way delay: 191.062 ms

Loss rate: 0.31%

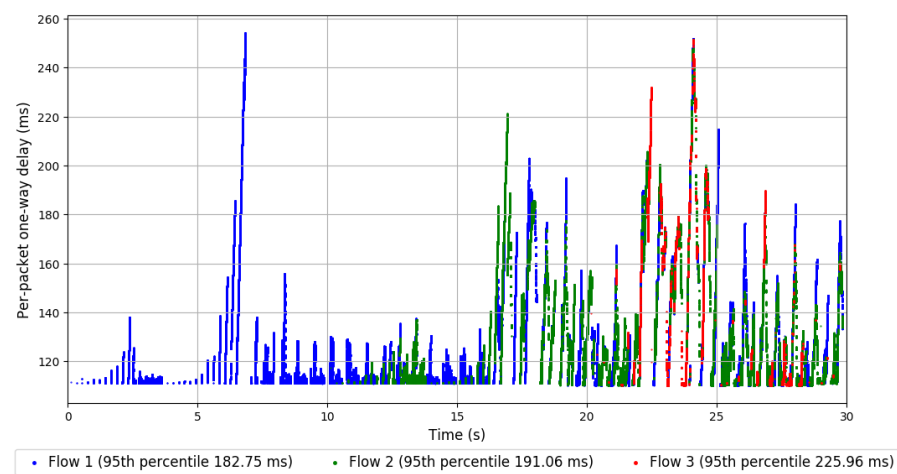
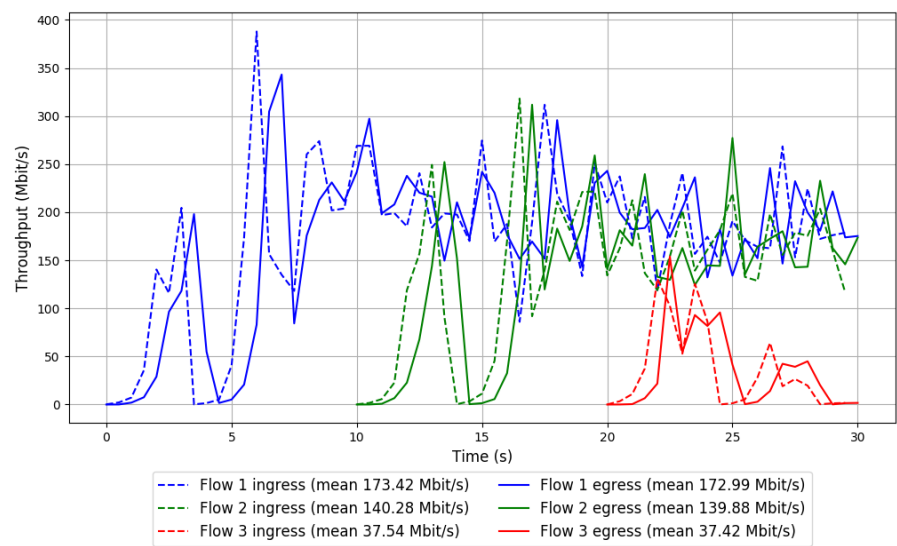
-- Flow 3:

Average throughput: 37.42 Mbit/s

95th percentile per-packet one-way delay: 225.959 ms

Loss rate: 0.10%

Run 3: Report of Verus — Data Link

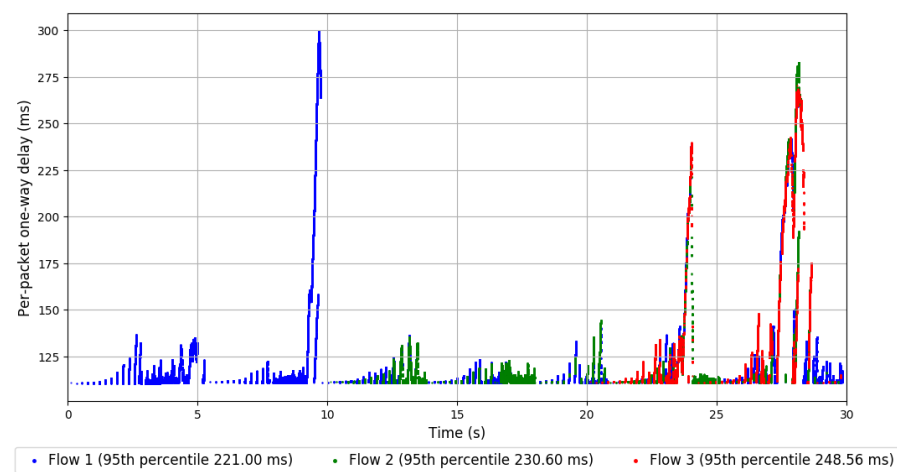
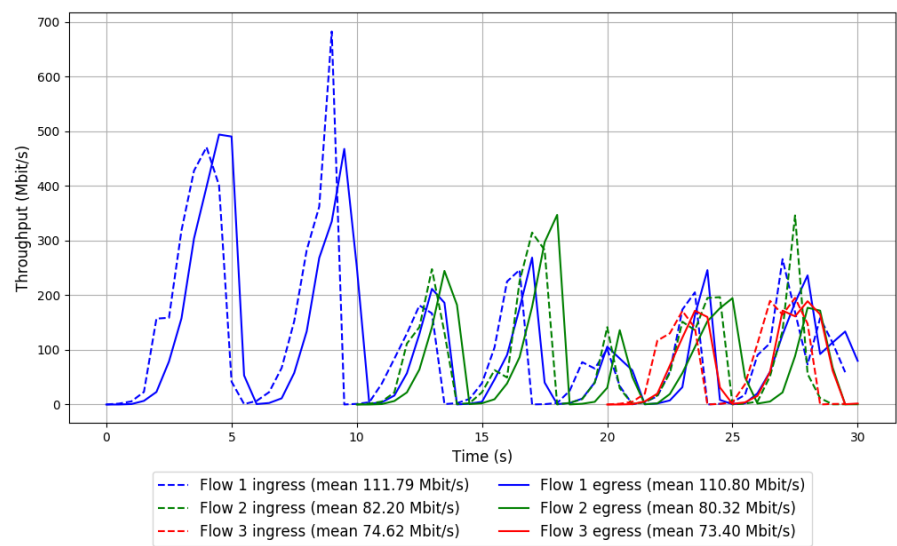


Run 4: Statistics of Verus

Start at: 2018-06-29 17:57:50
End at: 2018-06-29 17:58:20
Local clock offset: 0.064 ms
Remote clock offset: -0.419 ms

Below is generated by plot.py at 2018-06-29 22:48:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 187.38 Mbit/s
95th percentile per-packet one-way delay: 233.765 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 110.80 Mbit/s
95th percentile per-packet one-way delay: 221.003 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 80.32 Mbit/s
95th percentile per-packet one-way delay: 230.598 ms
Loss rate: 2.29%
-- Flow 3:
Average throughput: 73.40 Mbit/s
95th percentile per-packet one-way delay: 248.558 ms
Loss rate: 1.60%

Run 4: Report of Verus — Data Link

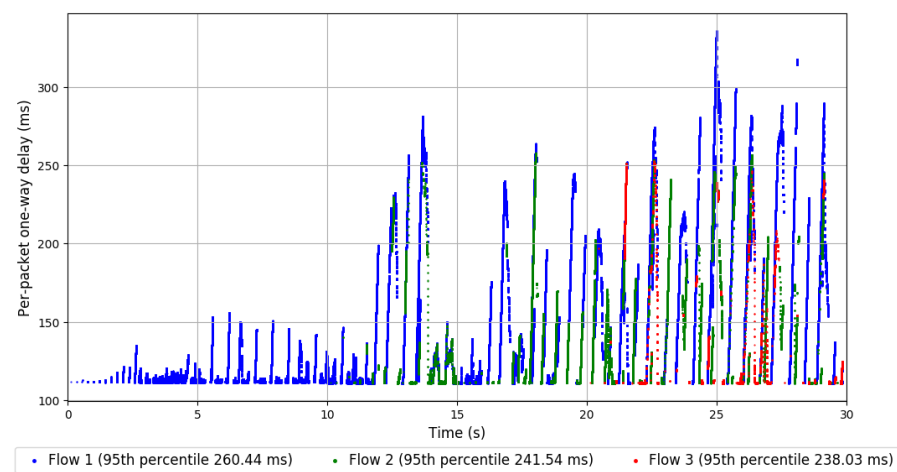
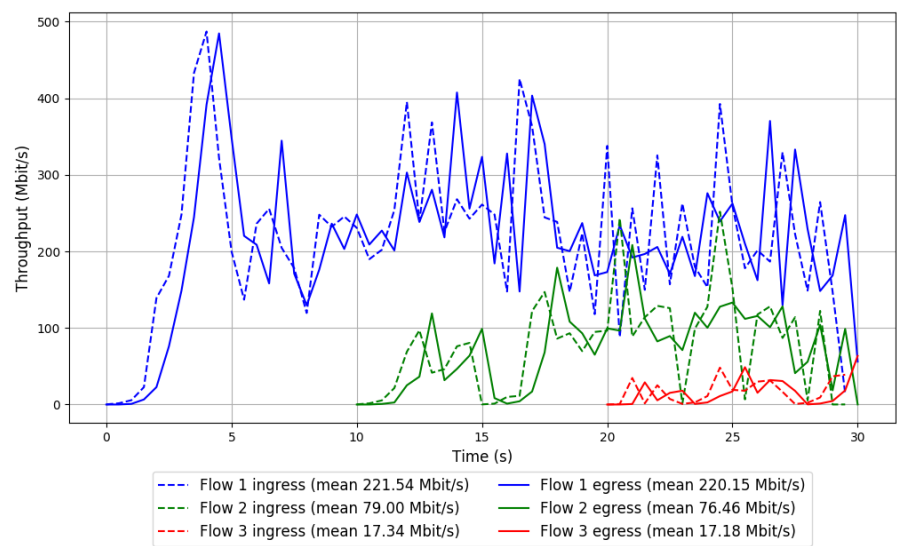


Run 5: Statistics of Verus

Start at: 2018-06-29 18:23:04
End at: 2018-06-29 18:23:34
Local clock offset: -0.081 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2018-06-29 22:48:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 275.96 Mbit/s
95th percentile per-packet one-way delay: 254.530 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 220.15 Mbit/s
95th percentile per-packet one-way delay: 260.443 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 76.46 Mbit/s
95th percentile per-packet one-way delay: 241.538 ms
Loss rate: 3.23%
-- Flow 3:
Average throughput: 17.18 Mbit/s
95th percentile per-packet one-way delay: 238.026 ms
Loss rate: 0.75%

Run 5: Report of Verus — Data Link

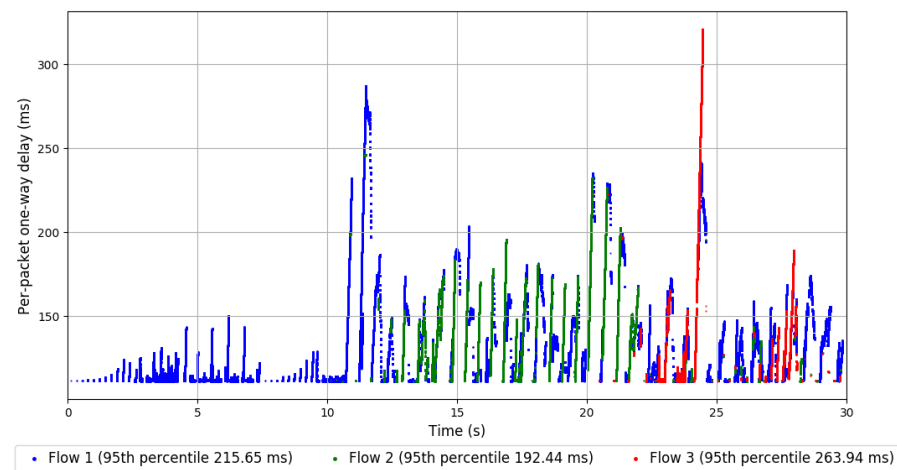
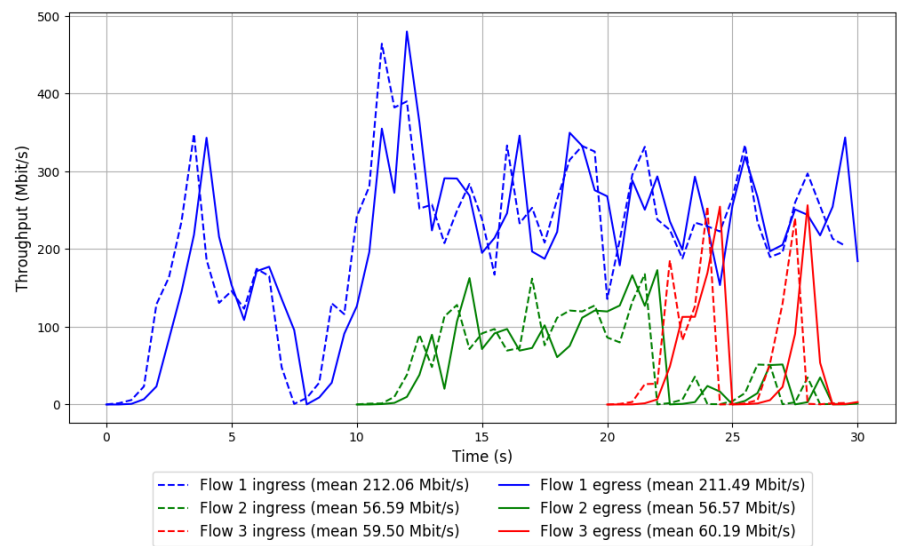


Run 6: Statistics of Verus

Start at: 2018-06-29 18:48:53
End at: 2018-06-29 18:49:23
Local clock offset: -0.128 ms
Remote clock offset: 0.106 ms

Below is generated by plot.py at 2018-06-29 22:48:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 268.10 Mbit/s
95th percentile per-packet one-way delay: 214.571 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 211.49 Mbit/s
95th percentile per-packet one-way delay: 215.651 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 56.57 Mbit/s
95th percentile per-packet one-way delay: 192.435 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 60.19 Mbit/s
95th percentile per-packet one-way delay: 263.939 ms
Loss rate: 0.00%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-06-29 19:14:23

End at: 2018-06-29 19:14:53

Local clock offset: -1.329 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-06-29 22:48:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 243.72 Mbit/s

95th percentile per-packet one-way delay: 206.376 ms

Loss rate: 1.49%

-- Flow 1:

Average throughput: 142.22 Mbit/s

95th percentile per-packet one-way delay: 233.602 ms

Loss rate: 2.53%

-- Flow 2:

Average throughput: 130.62 Mbit/s

95th percentile per-packet one-way delay: 171.580 ms

Loss rate: 0.01%

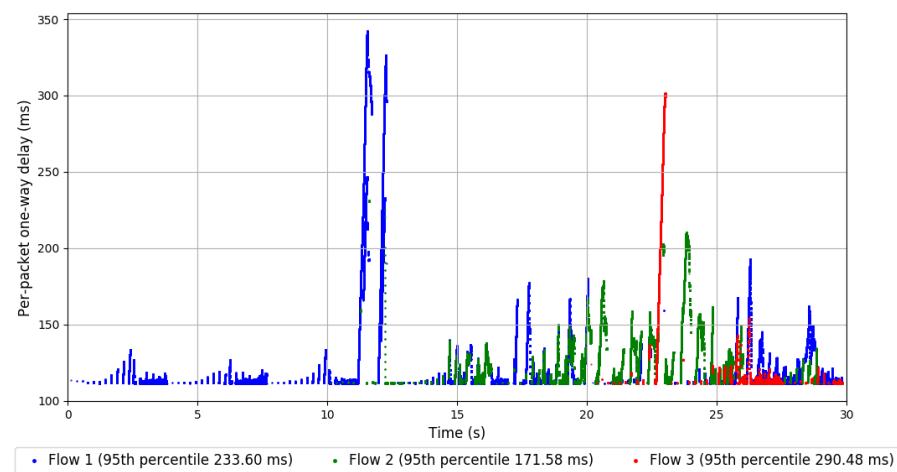
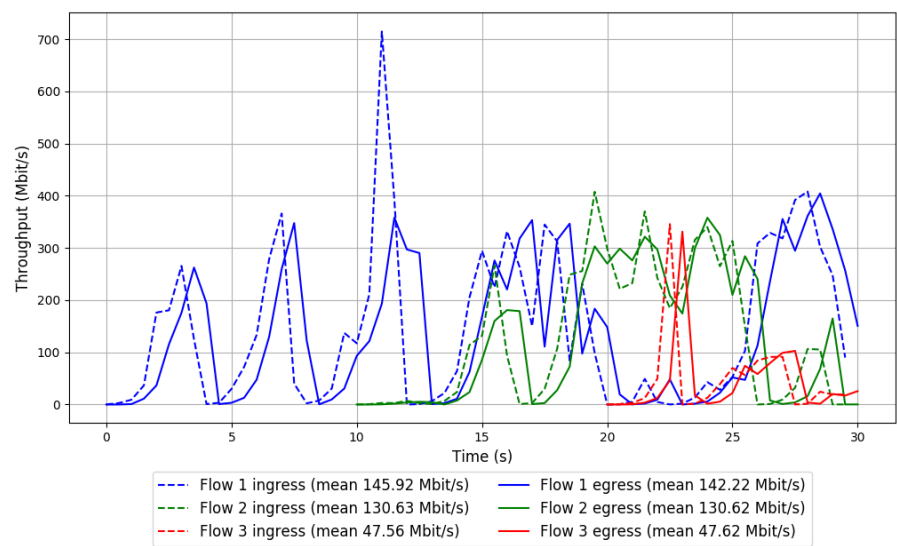
-- Flow 3:

Average throughput: 47.62 Mbit/s

95th percentile per-packet one-way delay: 290.476 ms

Loss rate: 0.00%

Run 7: Report of Verus — Data Link

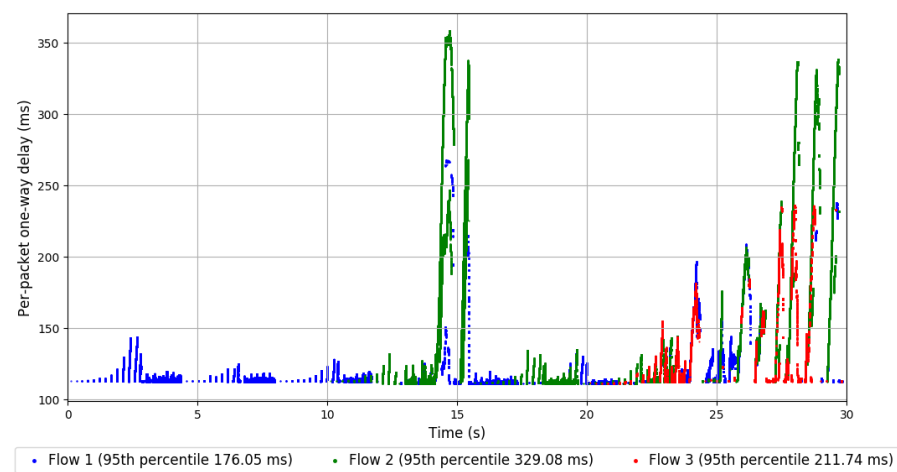
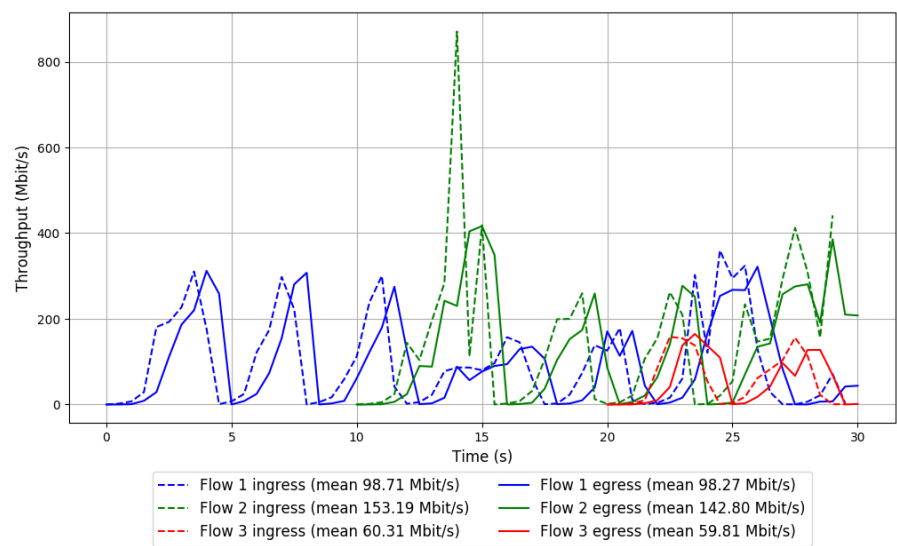


Run 8: Statistics of Verus

Start at: 2018-06-29 19:40:12
End at: 2018-06-29 19:40:42
Local clock offset: -1.3 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-06-29 22:48:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 211.79 Mbit/s
95th percentile per-packet one-way delay: 298.688 ms
Loss rate: 3.13%
-- Flow 1:
Average throughput: 98.27 Mbit/s
95th percentile per-packet one-way delay: 176.054 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 142.80 Mbit/s
95th percentile per-packet one-way delay: 329.081 ms
Loss rate: 6.21%
-- Flow 3:
Average throughput: 59.81 Mbit/s
95th percentile per-packet one-way delay: 211.736 ms
Loss rate: 0.83%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-06-29 20:06:04

End at: 2018-06-29 20:06:34

Local clock offset: -0.06 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-06-29 22:50:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 276.29 Mbit/s

95th percentile per-packet one-way delay: 205.181 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 170.89 Mbit/s

95th percentile per-packet one-way delay: 203.451 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 141.80 Mbit/s

95th percentile per-packet one-way delay: 208.745 ms

Loss rate: 0.00%

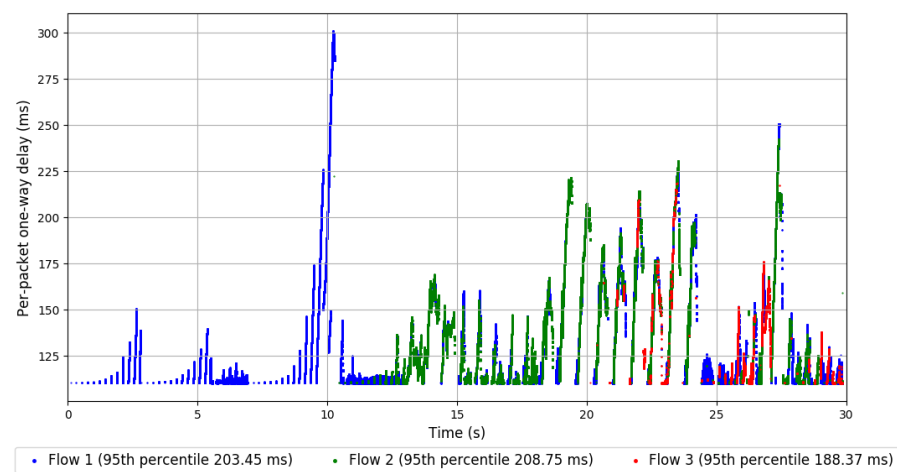
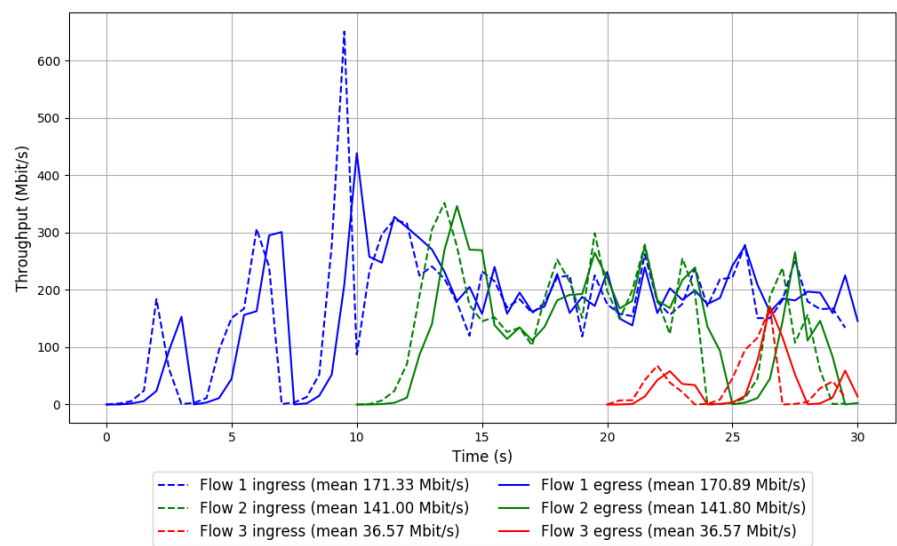
-- Flow 3:

Average throughput: 36.57 Mbit/s

95th percentile per-packet one-way delay: 188.373 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-06-29 20:31:35

End at: 2018-06-29 20:32:05

Local clock offset: -0.396 ms

Remote clock offset: 0.13 ms

Below is generated by plot.py at 2018-06-29 22:51:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 326.49 Mbit/s

95th percentile per-packet one-way delay: 205.350 ms

Loss rate: 0.86%

-- Flow 1:

Average throughput: 225.90 Mbit/s

95th percentile per-packet one-way delay: 198.457 ms

Loss rate: 0.85%

-- Flow 2:

Average throughput: 134.52 Mbit/s

95th percentile per-packet one-way delay: 207.297 ms

Loss rate: 0.67%

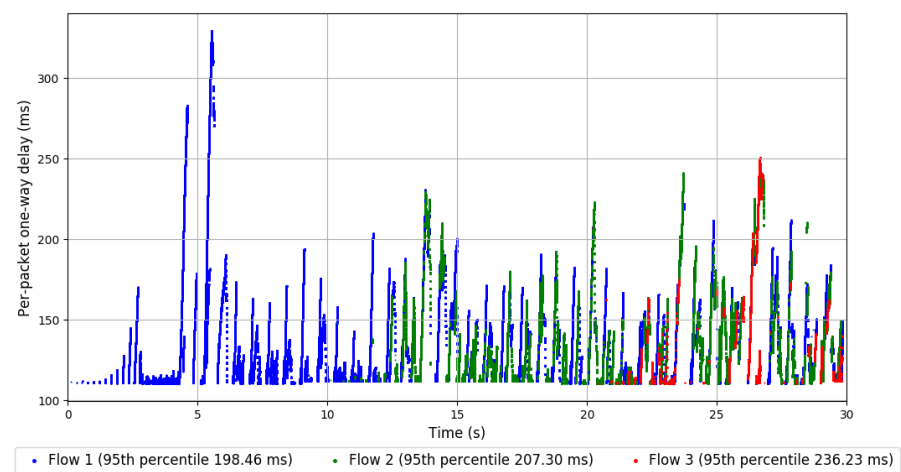
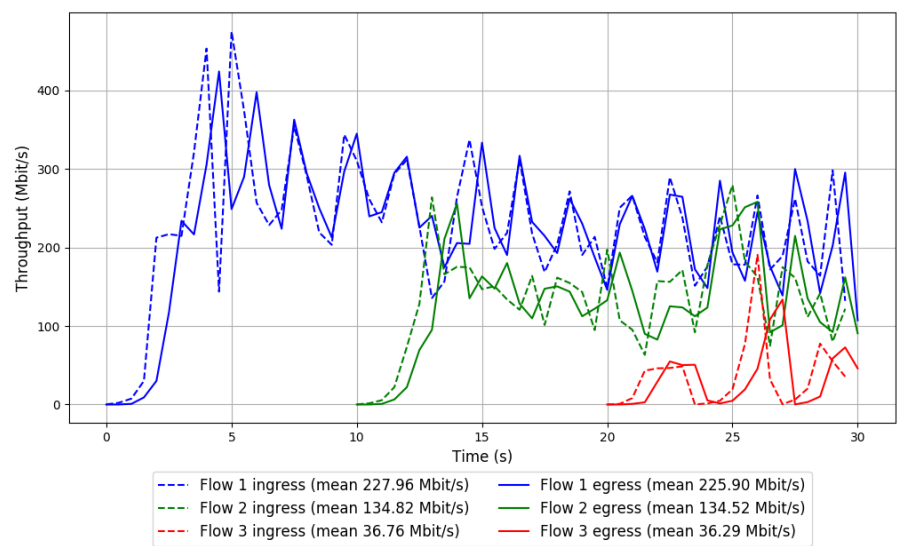
-- Flow 3:

Average throughput: 36.29 Mbit/s

95th percentile per-packet one-way delay: 236.232 ms

Loss rate: 2.29%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-06-29 17:00:50

End at: 2018-06-29 17:01:20

Local clock offset: -0.039 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-06-29 22:56:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 573.68 Mbit/s

95th percentile per-packet one-way delay: 215.528 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 345.91 Mbit/s

95th percentile per-packet one-way delay: 115.873 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 304.15 Mbit/s

95th percentile per-packet one-way delay: 246.030 ms

Loss rate: 0.63%

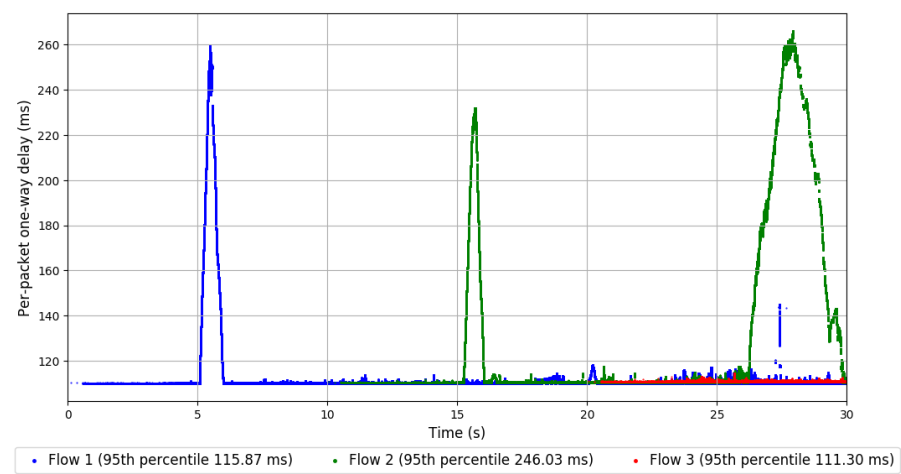
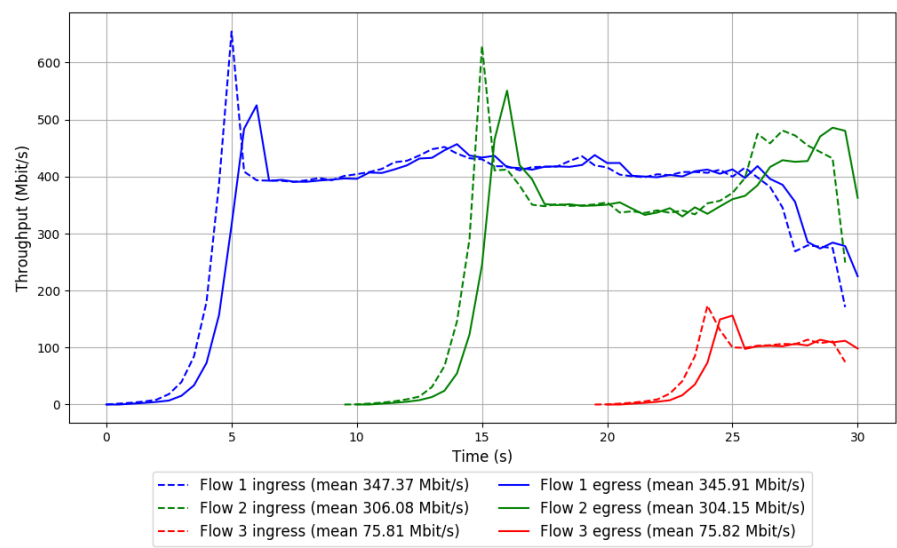
-- Flow 3:

Average throughput: 75.82 Mbit/s

95th percentile per-packet one-way delay: 111.304 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

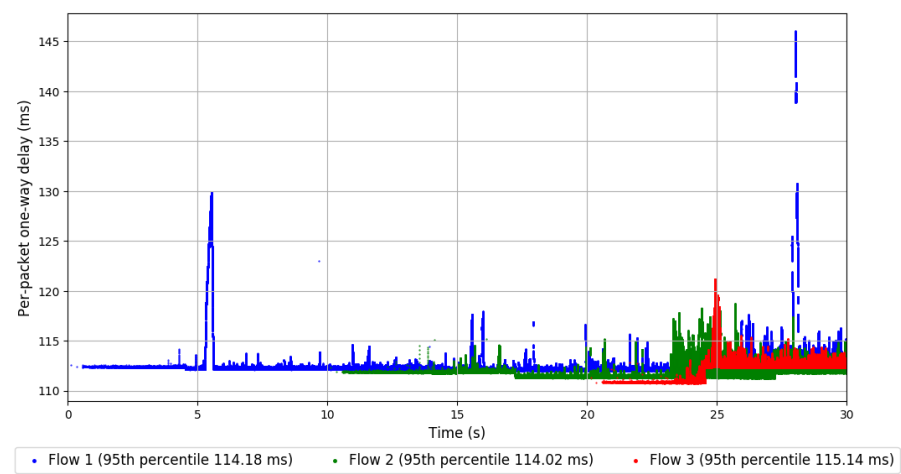
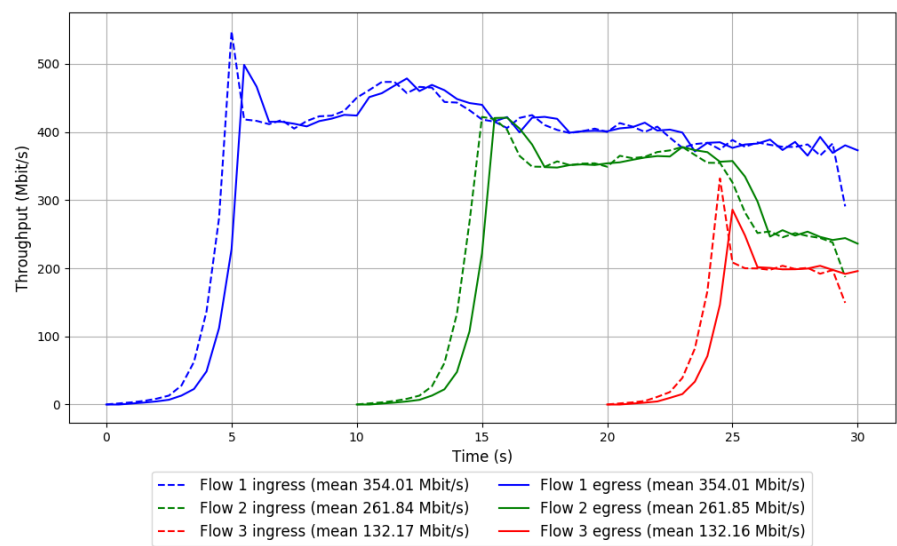


Run 2: Statistics of PCC-Vivace

Start at: 2018-06-29 17:26:30
End at: 2018-06-29 17:27:00
Local clock offset: -1.379 ms
Remote clock offset: -0.342 ms

Below is generated by plot.py at 2018-06-29 22:57:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 571.75 Mbit/s
95th percentile per-packet one-way delay: 114.170 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 354.01 Mbit/s
95th percentile per-packet one-way delay: 114.178 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 261.85 Mbit/s
95th percentile per-packet one-way delay: 114.018 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 132.16 Mbit/s
95th percentile per-packet one-way delay: 115.142 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

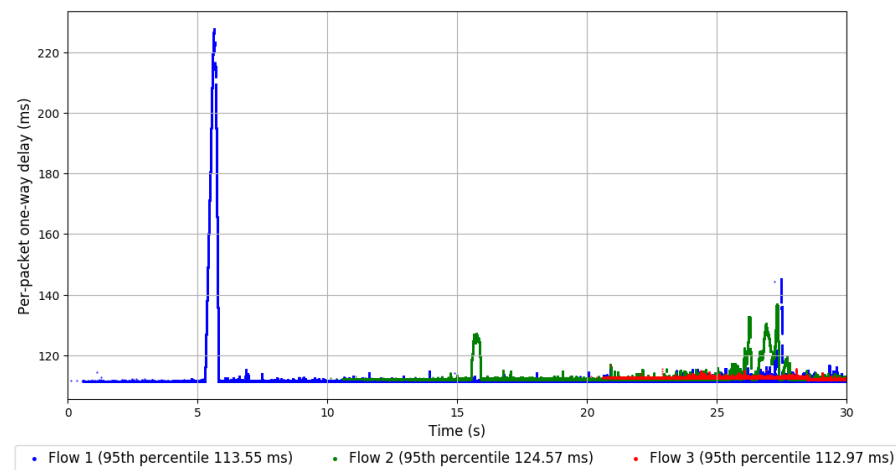
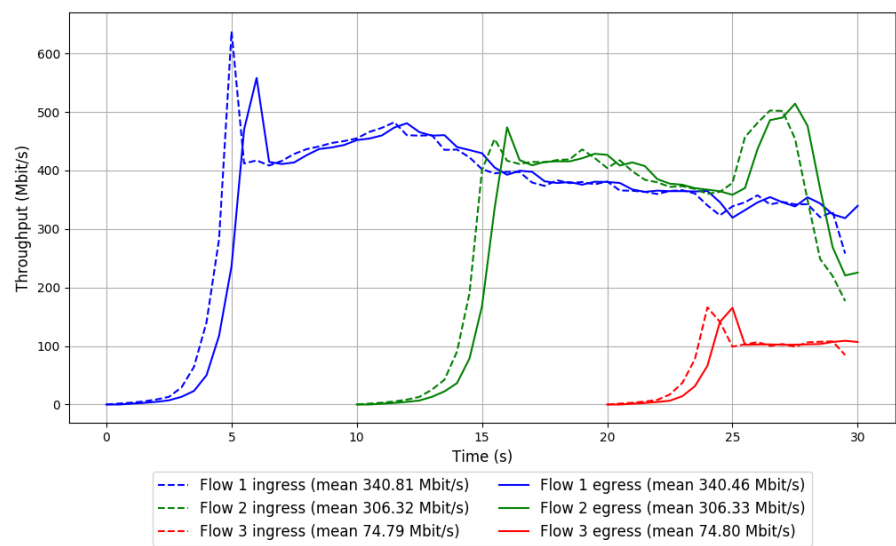


Run 3: Statistics of PCC-Vivace

Start at: 2018-06-29 17:52:16
End at: 2018-06-29 17:52:46
Local clock offset: -1.331 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-06-29 22:57:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 568.84 Mbit/s
95th percentile per-packet one-way delay: 120.016 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 340.46 Mbit/s
95th percentile per-packet one-way delay: 113.549 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 306.33 Mbit/s
95th percentile per-packet one-way delay: 124.572 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 74.80 Mbit/s
95th percentile per-packet one-way delay: 112.973 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

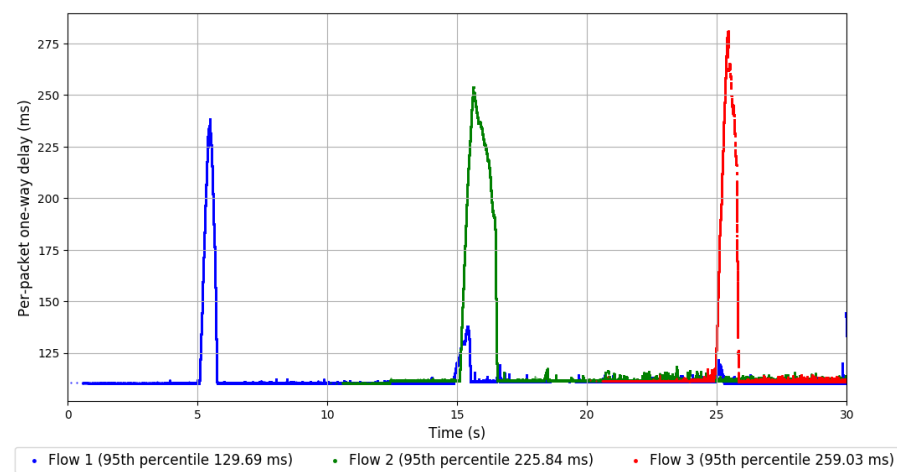
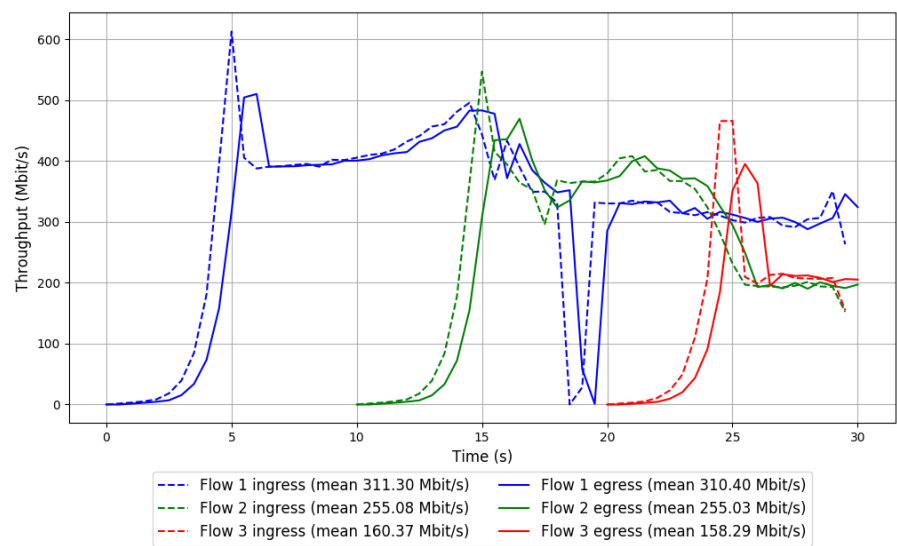


Run 4: Statistics of PCC-Vivace

Start at: 2018-06-29 18:17:32
End at: 2018-06-29 18:18:02
Local clock offset: -0.207 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-06-29 22:57:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 532.18 Mbit/s
95th percentile per-packet one-way delay: 201.931 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 310.40 Mbit/s
95th percentile per-packet one-way delay: 129.686 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 255.03 Mbit/s
95th percentile per-packet one-way delay: 225.841 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 158.29 Mbit/s
95th percentile per-packet one-way delay: 259.028 ms
Loss rate: 1.31%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-06-29 18:43:16

End at: 2018-06-29 18:43:46

Local clock offset: -0.219 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-06-29 22:57:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 582.79 Mbit/s

95th percentile per-packet one-way delay: 121.353 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 354.82 Mbit/s

95th percentile per-packet one-way delay: 118.210 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 307.67 Mbit/s

95th percentile per-packet one-way delay: 140.125 ms

Loss rate: 0.00%

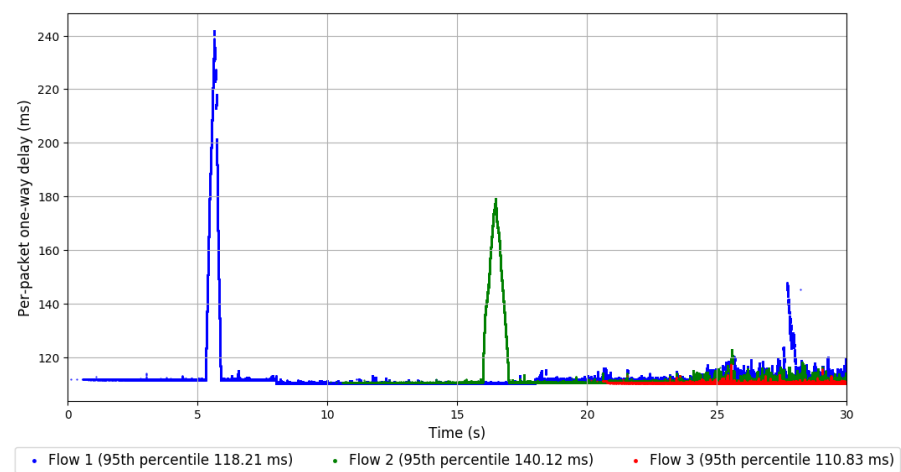
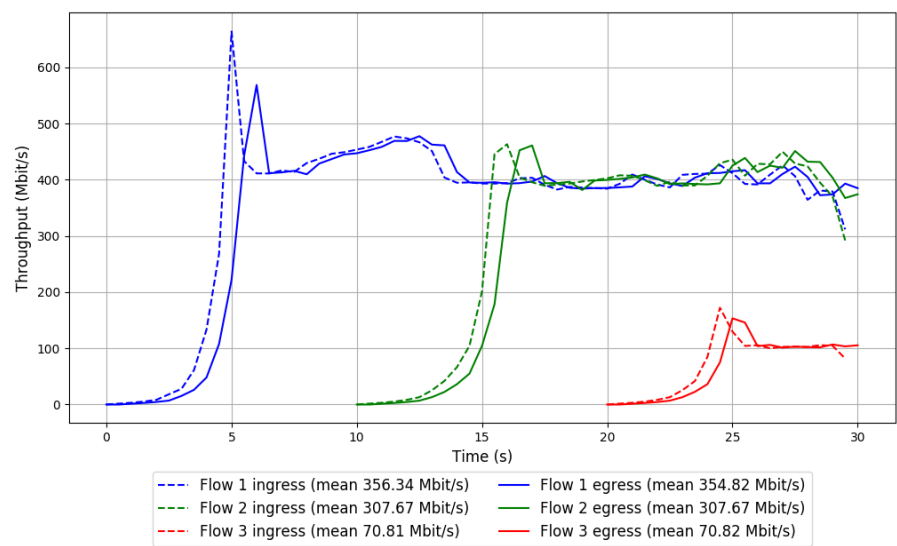
-- Flow 3:

Average throughput: 70.82 Mbit/s

95th percentile per-packet one-way delay: 110.828 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-06-29 19:08:48

End at: 2018-06-29 19:09:18

Local clock offset: -1.242 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-06-29 22:58:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 567.42 Mbit/s

95th percentile per-packet one-way delay: 122.039 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 325.13 Mbit/s

95th percentile per-packet one-way delay: 125.475 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 304.14 Mbit/s

95th percentile per-packet one-way delay: 116.211 ms

Loss rate: 0.00%

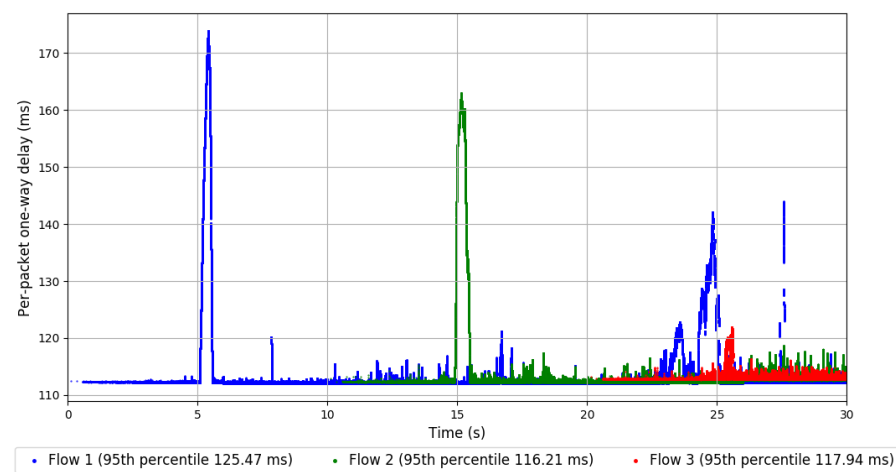
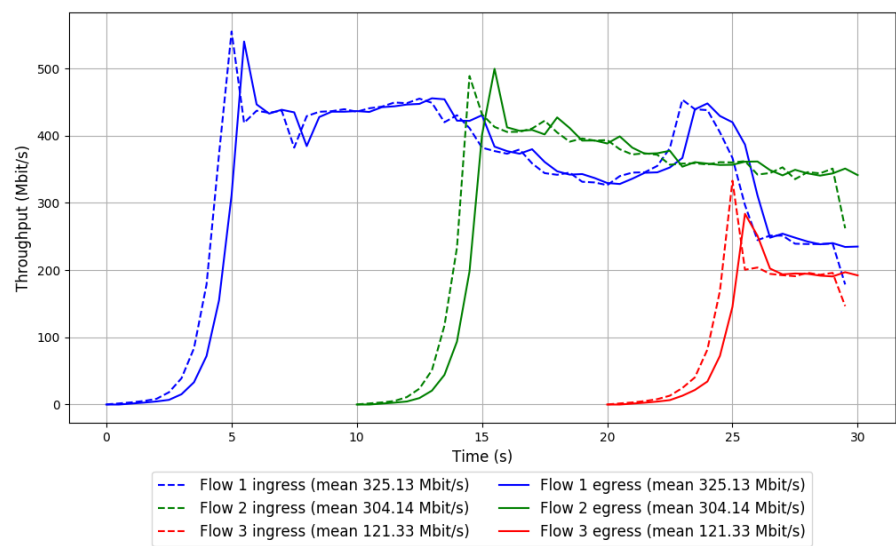
-- Flow 3:

Average throughput: 121.33 Mbit/s

95th percentile per-packet one-way delay: 117.937 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link

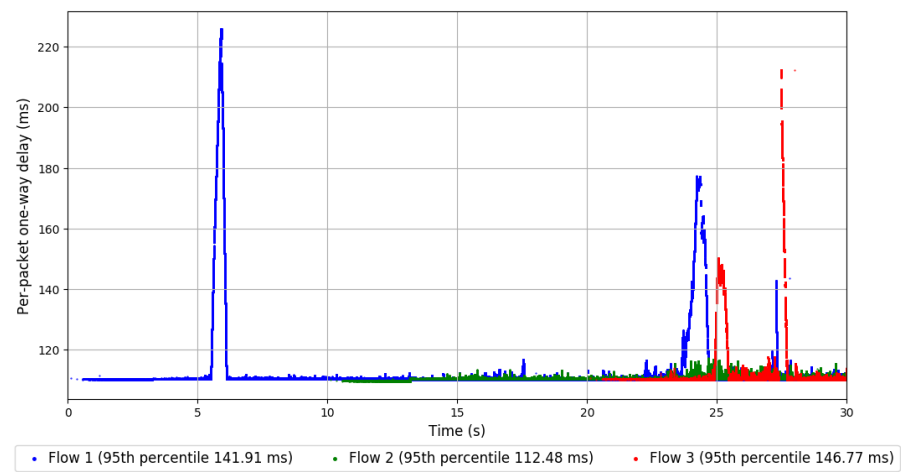
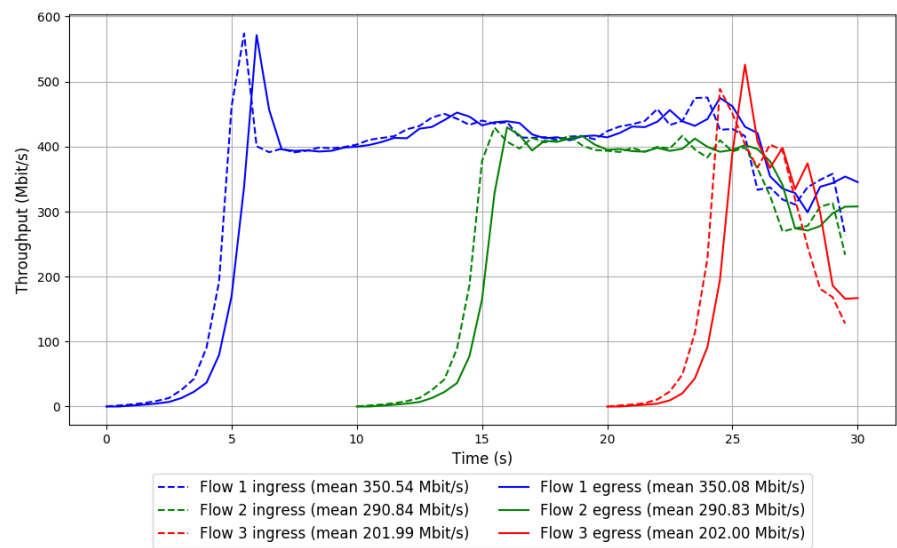


Run 7: Statistics of PCC-Vivace

Start at: 2018-06-29 19:34:34
End at: 2018-06-29 19:35:04
Local clock offset: 0.005 ms
Remote clock offset: -0.384 ms

Below is generated by plot.py at 2018-06-29 22:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 610.16 Mbit/s
95th percentile per-packet one-way delay: 132.360 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 350.08 Mbit/s
95th percentile per-packet one-way delay: 141.908 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 290.83 Mbit/s
95th percentile per-packet one-way delay: 112.480 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 202.00 Mbit/s
95th percentile per-packet one-way delay: 146.770 ms
Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-06-29 20:00:24

End at: 2018-06-29 20:00:54

Local clock offset: 0.07 ms

Remote clock offset: -0.36 ms

Below is generated by plot.py at 2018-06-29 22:59:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 622.18 Mbit/s

95th percentile per-packet one-way delay: 117.366 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 336.13 Mbit/s

95th percentile per-packet one-way delay: 113.020 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 315.61 Mbit/s

95th percentile per-packet one-way delay: 115.302 ms

Loss rate: 0.00%

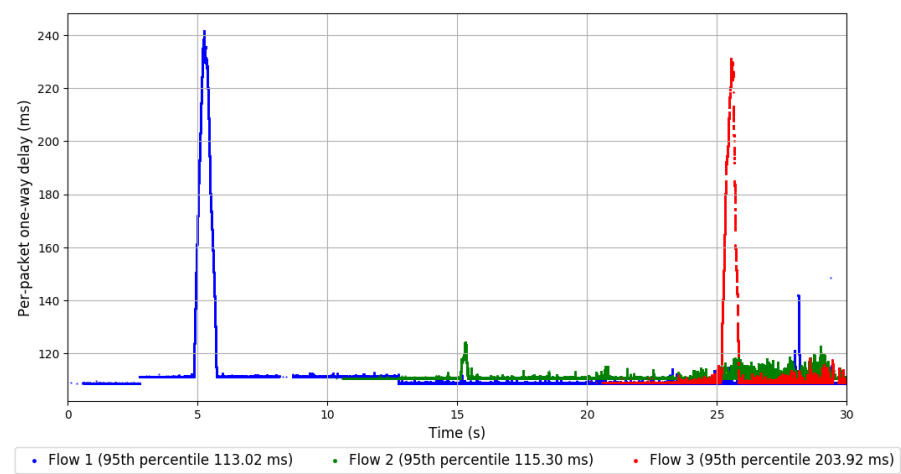
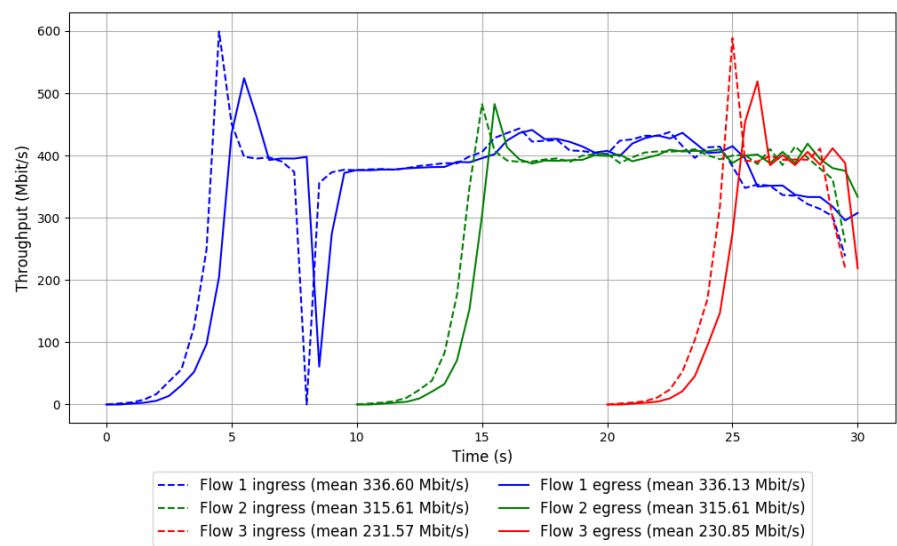
-- Flow 3:

Average throughput: 230.85 Mbit/s

95th percentile per-packet one-way delay: 203.916 ms

Loss rate: 0.32%

Run 8: Report of PCC-Vivace — Data Link

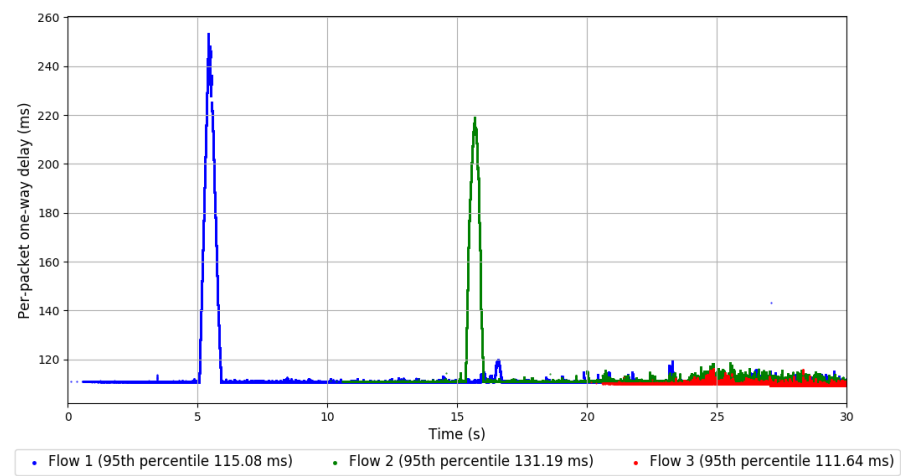
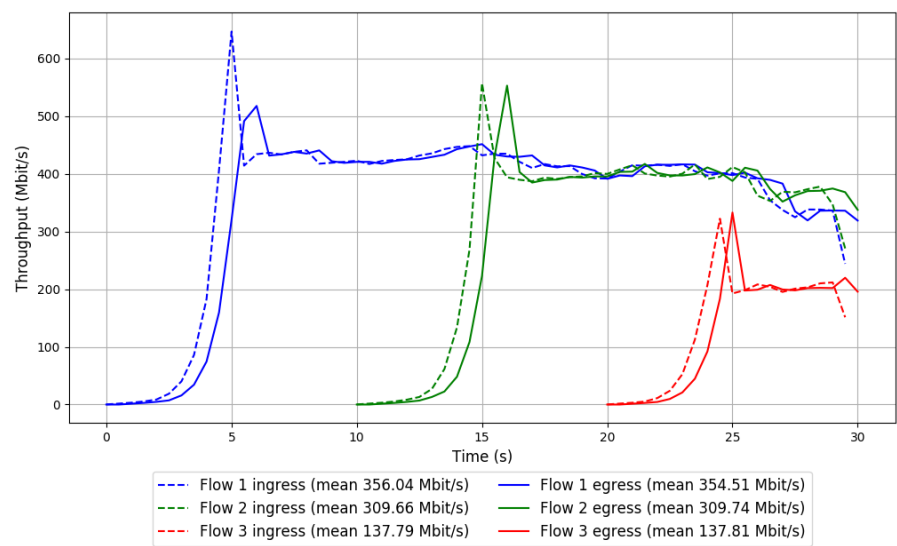


Run 9: Statistics of PCC-Vivace

Start at: 2018-06-29 20:25:57
End at: 2018-06-29 20:26:27
Local clock offset: -0.424 ms
Remote clock offset: -0.258 ms

Below is generated by plot.py at 2018-06-29 23:00:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 605.95 Mbit/s
95th percentile per-packet one-way delay: 115.668 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 354.51 Mbit/s
95th percentile per-packet one-way delay: 115.080 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 309.74 Mbit/s
95th percentile per-packet one-way delay: 131.188 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 137.81 Mbit/s
95th percentile per-packet one-way delay: 111.636 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-06-29 20:51:34

End at: 2018-06-29 20:52:04

Local clock offset: -1.56 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2018-06-29 23:00:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 596.93 Mbit/s

95th percentile per-packet one-way delay: 167.166 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 362.90 Mbit/s

95th percentile per-packet one-way delay: 180.717 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 289.95 Mbit/s

95th percentile per-packet one-way delay: 129.562 ms

Loss rate: 0.04%

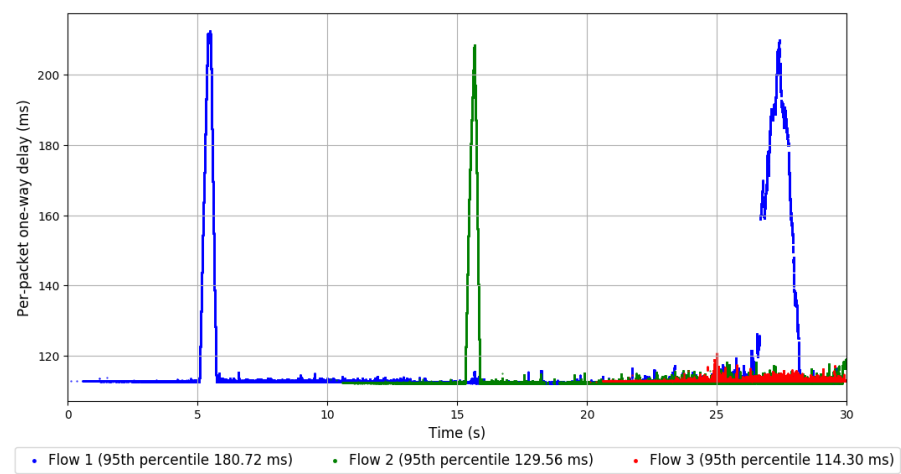
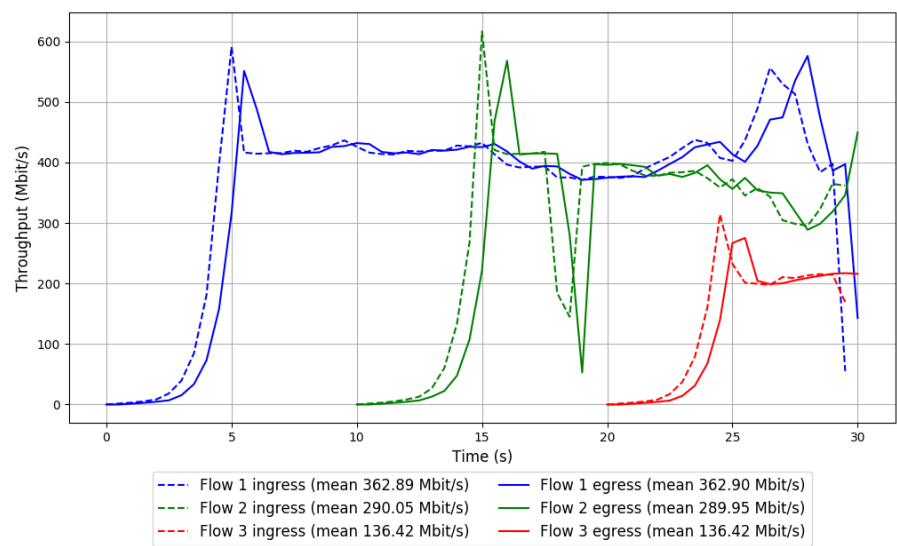
-- Flow 3:

Average throughput: 136.42 Mbit/s

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

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-06-29 16:59:37

End at: 2018-06-29 17:00:07

Local clock offset: -0.128 ms

Remote clock offset: 0.106 ms

Below is generated by plot.py at 2018-06-29 23:00:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.85 Mbit/s

95th percentile per-packet one-way delay: 111.432 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 111.050 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 1.35 Mbit/s

95th percentile per-packet one-way delay: 111.230 ms

Loss rate: 0.00%

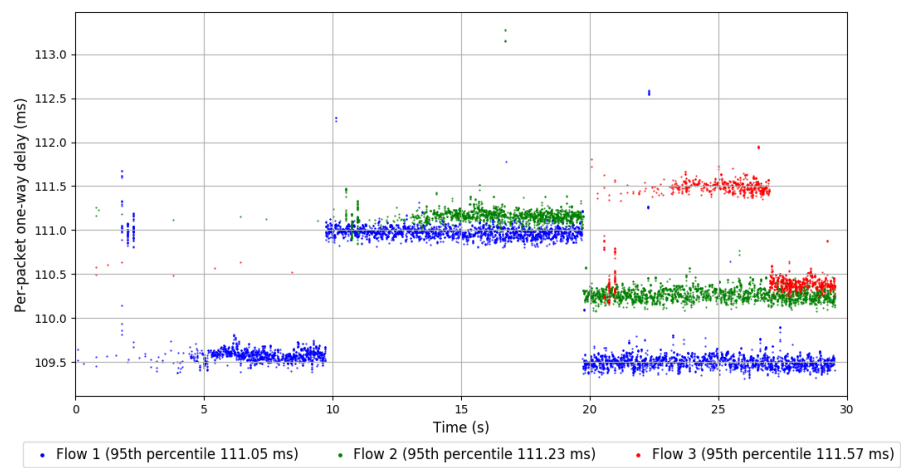
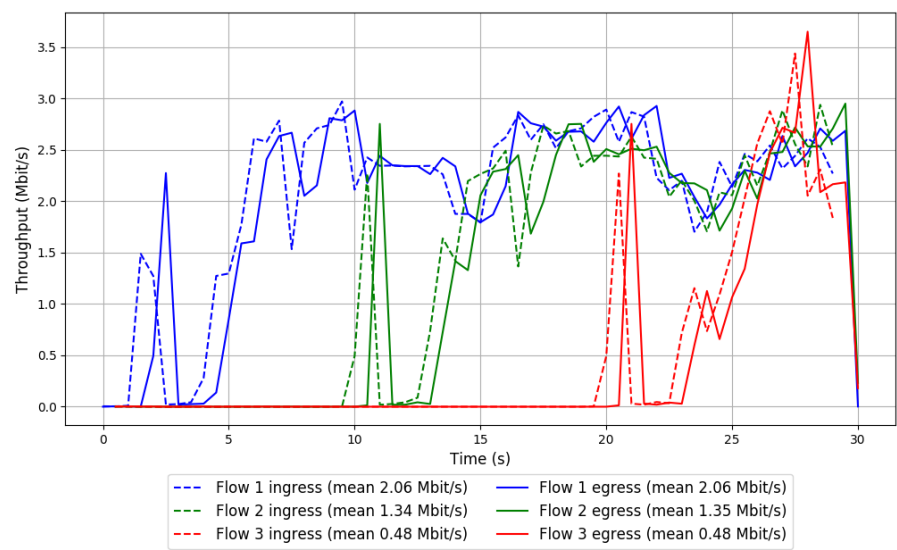
-- Flow 3:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 111.573 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-06-29 17:25:16

End at: 2018-06-29 17:25:46

Local clock offset: -0.285 ms

Remote clock offset: 0.061 ms

Below is generated by plot.py at 2018-06-29 23:00:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.48 Mbit/s

95th percentile per-packet one-way delay: 111.972 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 111.998 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.20 Mbit/s

95th percentile per-packet one-way delay: 111.394 ms

Loss rate: 0.02%

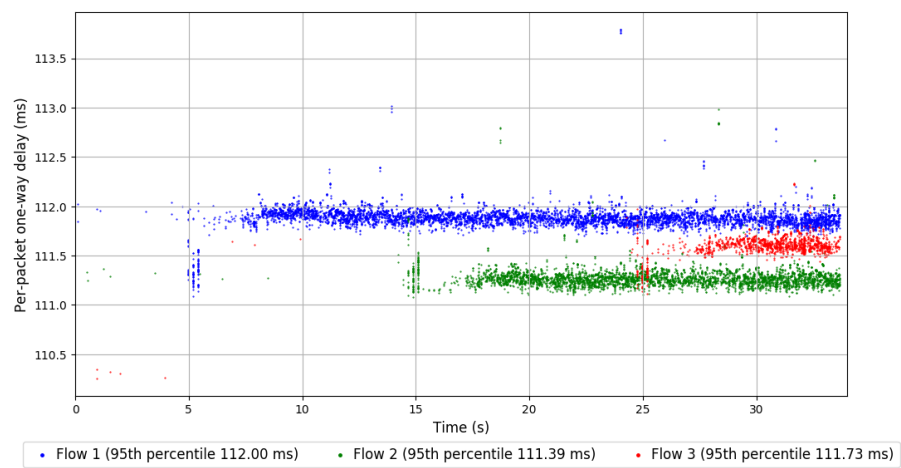
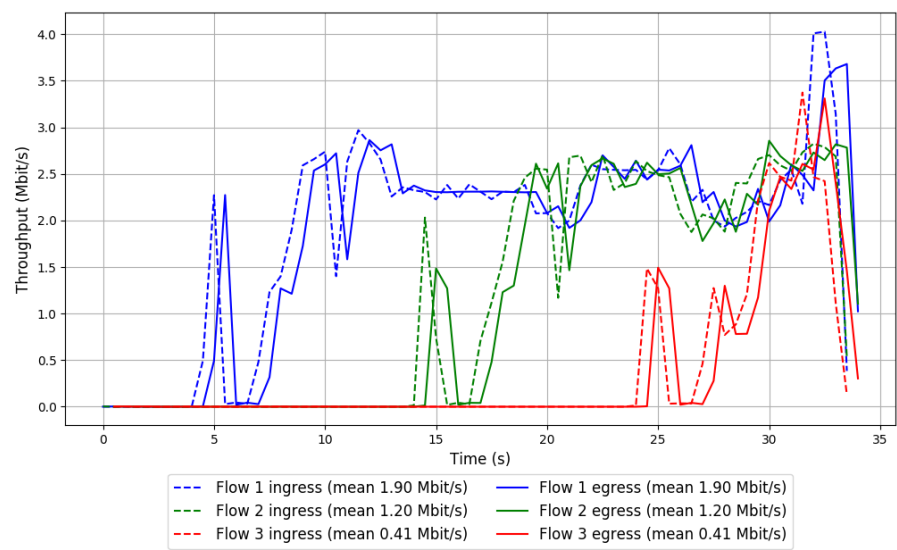
-- Flow 3:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 111.728 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

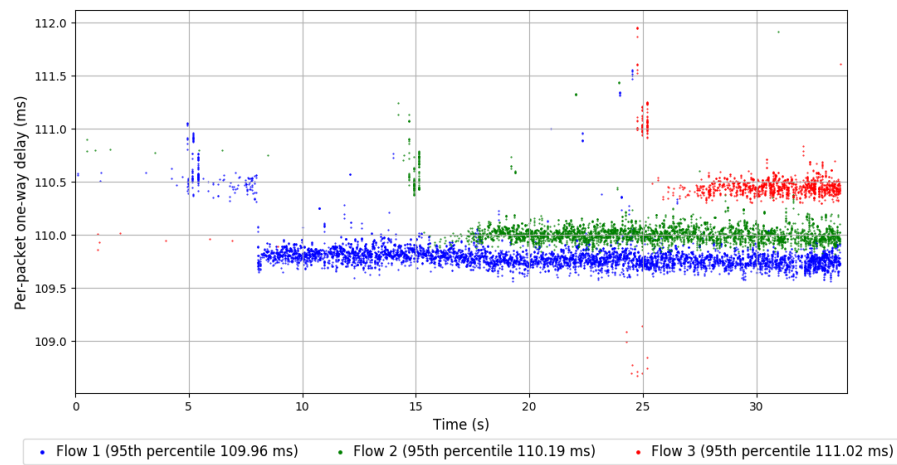
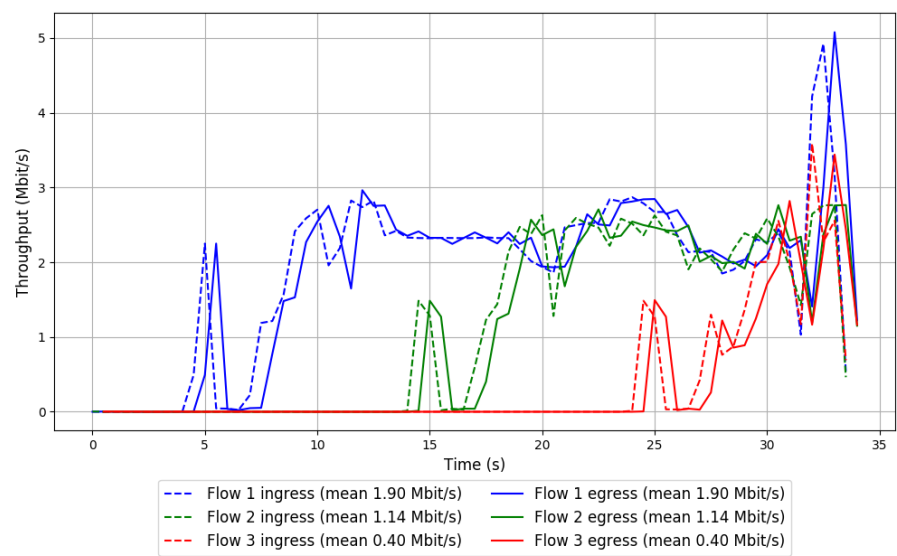


Run 3: Statistics of WebRTC media

Start at: 2018-06-29 17:51:03
End at: 2018-06-29 17:51:33
Local clock offset: 0.109 ms
Remote clock offset: -0.331 ms

Below is generated by plot.py at 2018-06-29 23:00:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.42 Mbit/s
95th percentile per-packet one-way delay: 110.498 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 109.959 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 110.187 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 111.015 ms
Loss rate: 0.80%

Run 3: Report of WebRTC media — Data Link

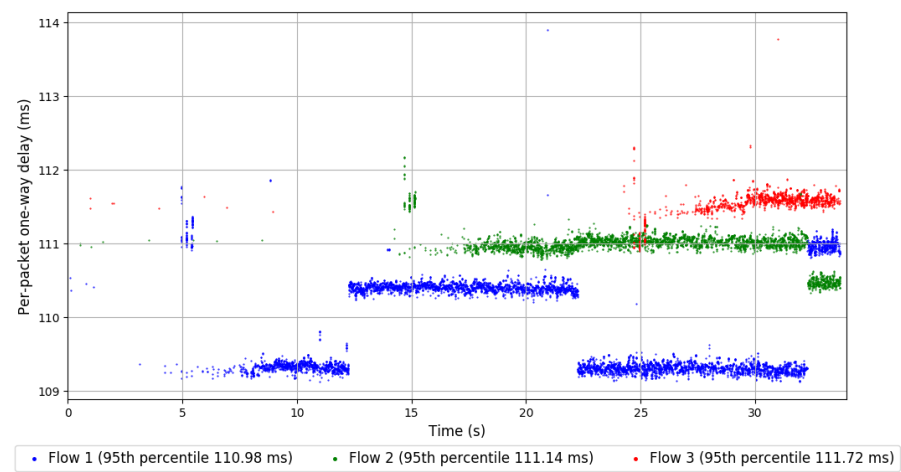
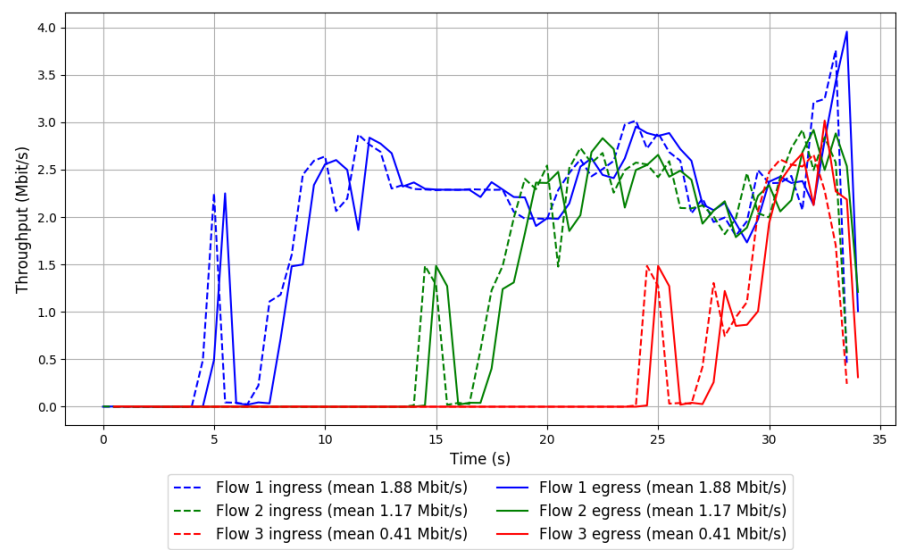


Run 4: Statistics of WebRTC media

Start at: 2018-06-29 18:16:18
End at: 2018-06-29 18:16:48
Local clock offset: -0.059 ms
Remote clock offset: -0.161 ms

Below is generated by plot.py at 2018-06-29 23:00:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 111.598 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 110.981 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 111.140 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 111.723 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-06-29 18:42:03

End at: 2018-06-29 18:42:33

Local clock offset: -0.251 ms

Remote clock offset: 0.388 ms

Below is generated by plot.py at 2018-06-29 23:00:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.40 Mbit/s

95th percentile per-packet one-way delay: 112.222 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 111.745 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.14 Mbit/s

95th percentile per-packet one-way delay: 112.258 ms

Loss rate: 0.00%

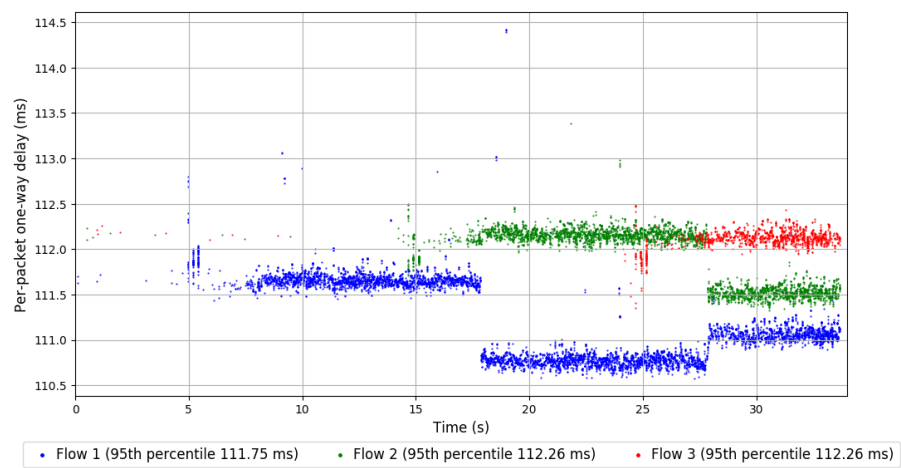
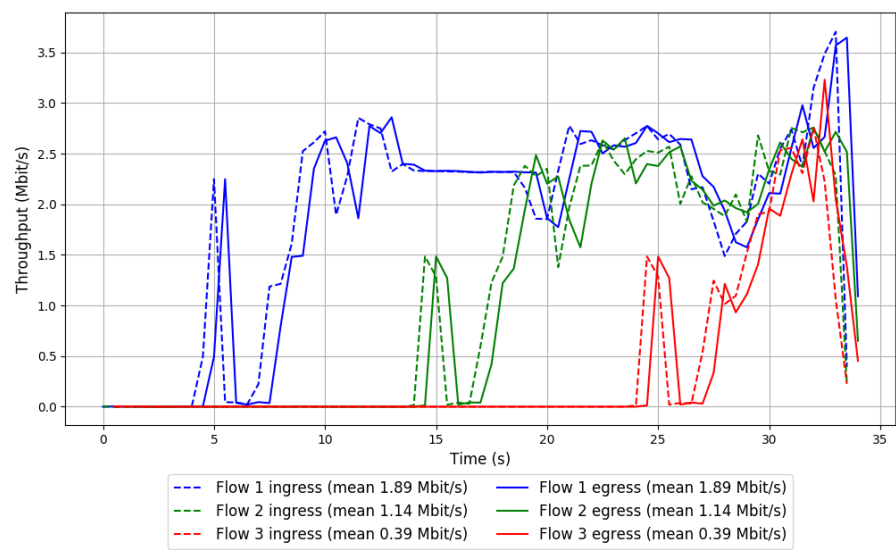
-- Flow 3:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 112.263 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-06-29 19:07:35

End at: 2018-06-29 19:08:05

Local clock offset: -1.407 ms

Remote clock offset: 0.424 ms

Below is generated by plot.py at 2018-06-29 23:00:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.45 Mbit/s

95th percentile per-packet one-way delay: 113.409 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 113.437 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.16 Mbit/s

95th percentile per-packet one-way delay: 112.892 ms

Loss rate: 0.00%

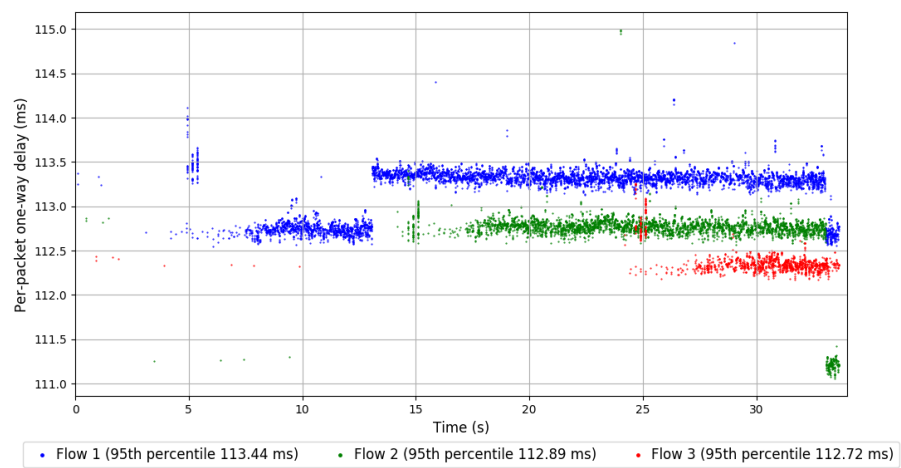
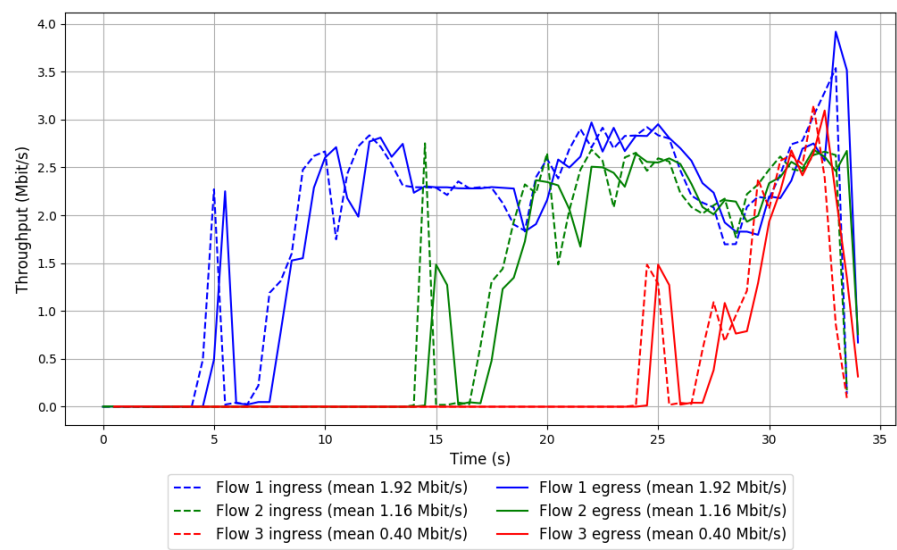
-- Flow 3:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 112.725 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

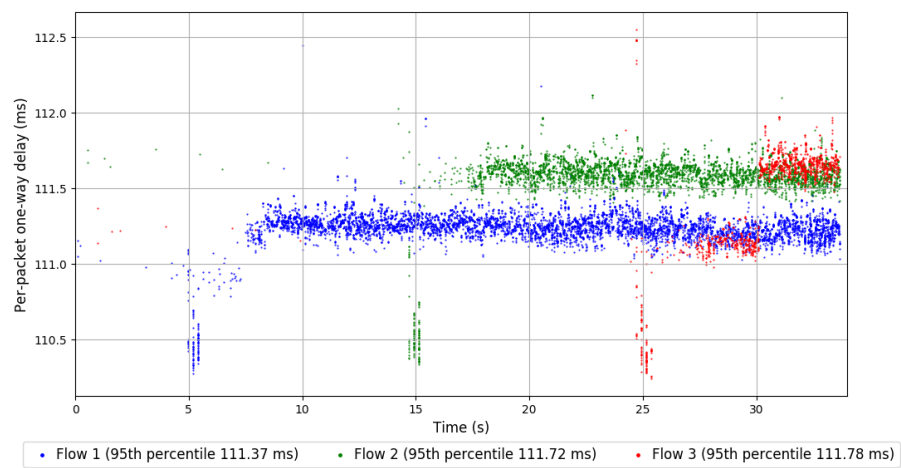
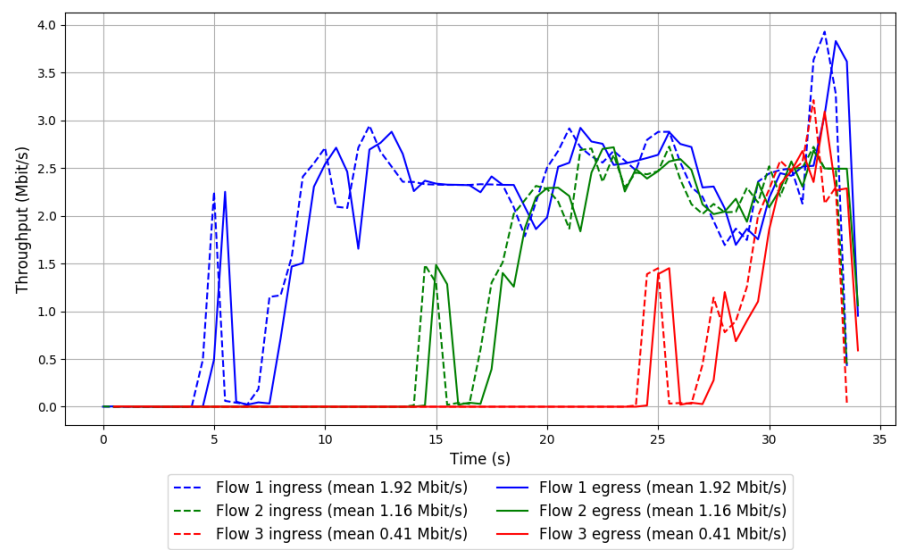


Run 7: Statistics of WebRTC media

Start at: 2018-06-29 19:33:21
End at: 2018-06-29 19:33:51
Local clock offset: -0.155 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-06-29 23:00:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.46 Mbit/s
95th percentile per-packet one-way delay: 111.695 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 111.373 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 111.720 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 111.778 ms
Loss rate: 0.01%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-06-29 19:59:11

End at: 2018-06-29 19:59:41

Local clock offset: -0.297 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-06-29 23:00:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.47 Mbit/s

95th percentile per-packet one-way delay: 111.879 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 111.899 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.17 Mbit/s

95th percentile per-packet one-way delay: 110.941 ms

Loss rate: 0.00%

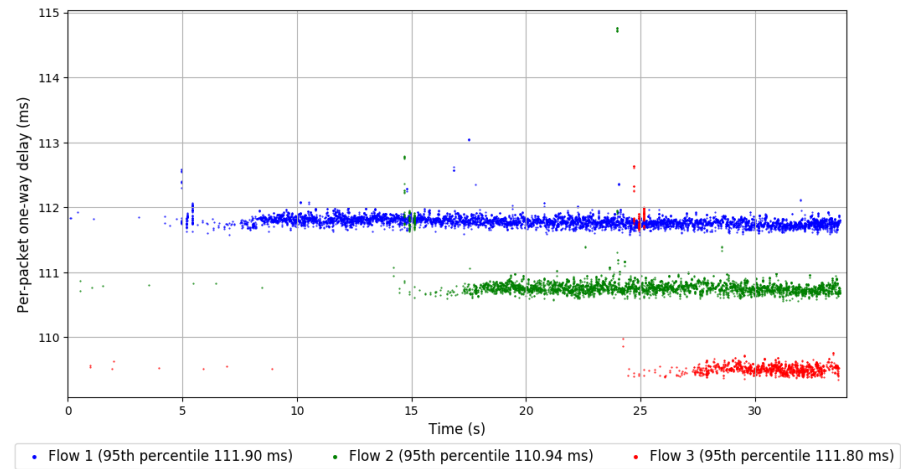
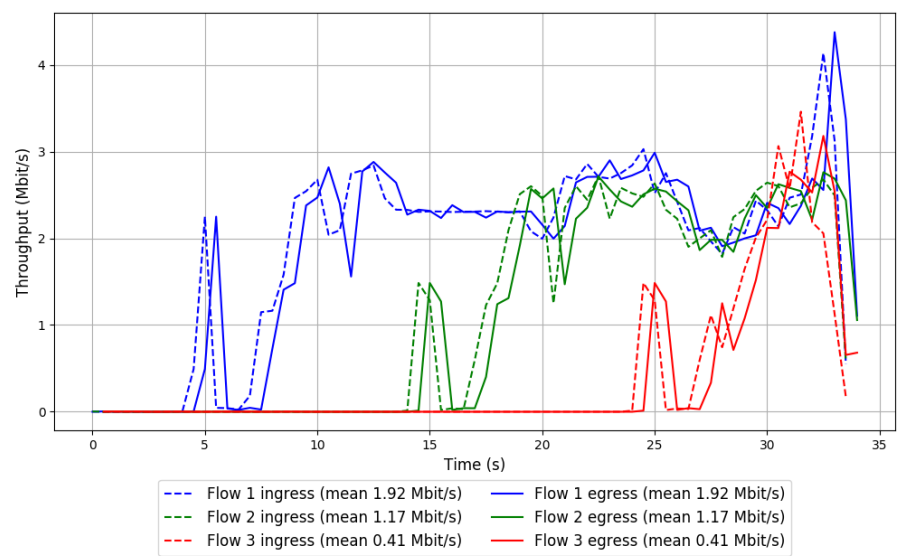
-- Flow 3:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 111.795 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-06-29 20:24:44

End at: 2018-06-29 20:25:14

Local clock offset: -0.164 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-06-29 23:00:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.47 Mbit/s

95th percentile per-packet one-way delay: 111.683 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 111.712 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.17 Mbit/s

95th percentile per-packet one-way delay: 109.795 ms

Loss rate: 0.00%

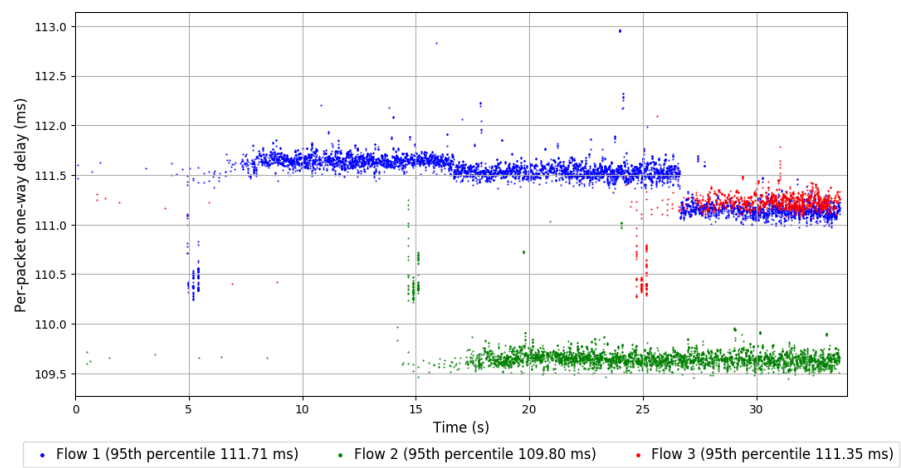
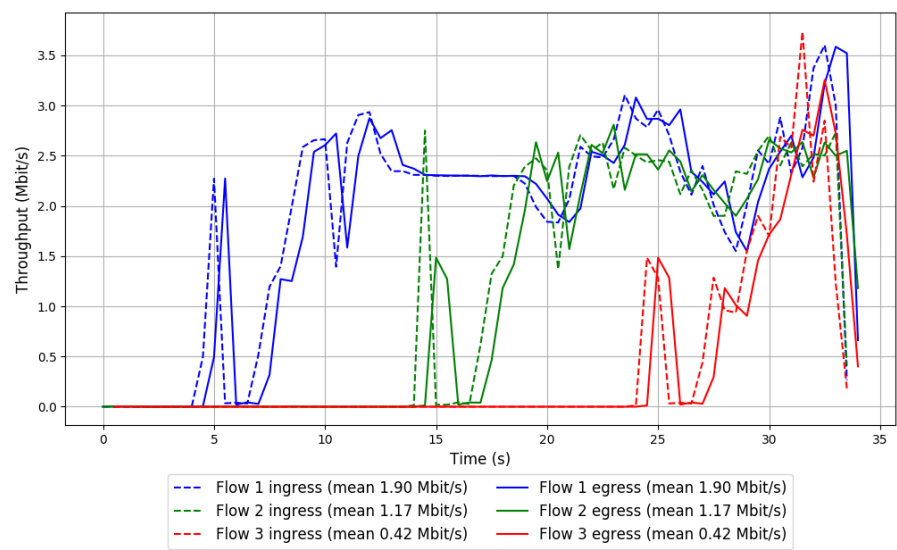
-- Flow 3:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 111.351 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-29 20:50:20

End at: 2018-06-29 20:50:50

Local clock offset: 0.241 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-06-29 23:00:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.46 Mbit/s

95th percentile per-packet one-way delay: 111.199 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 111.220 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.17 Mbit/s

95th percentile per-packet one-way delay: 111.136 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 111.173 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

