

Pantheon Report

Generated at 2018-06-07 11:25:21 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

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

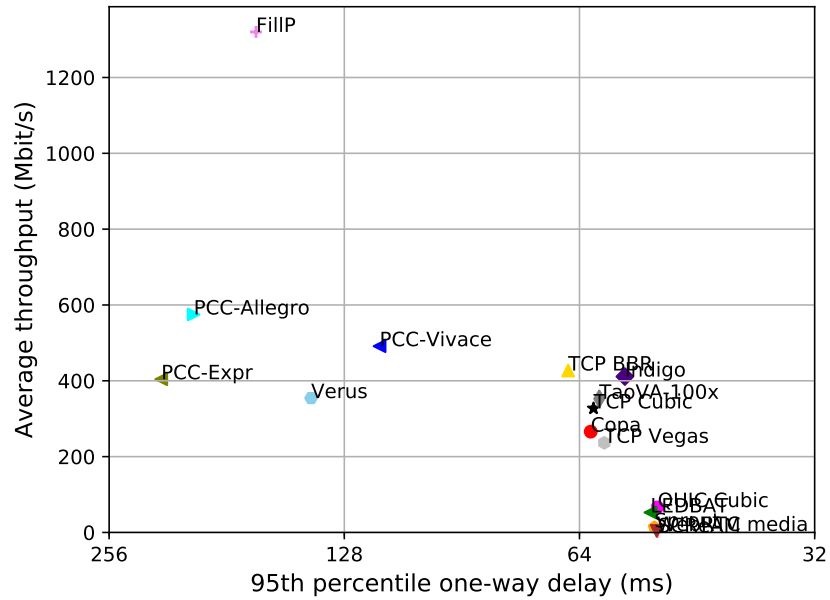
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

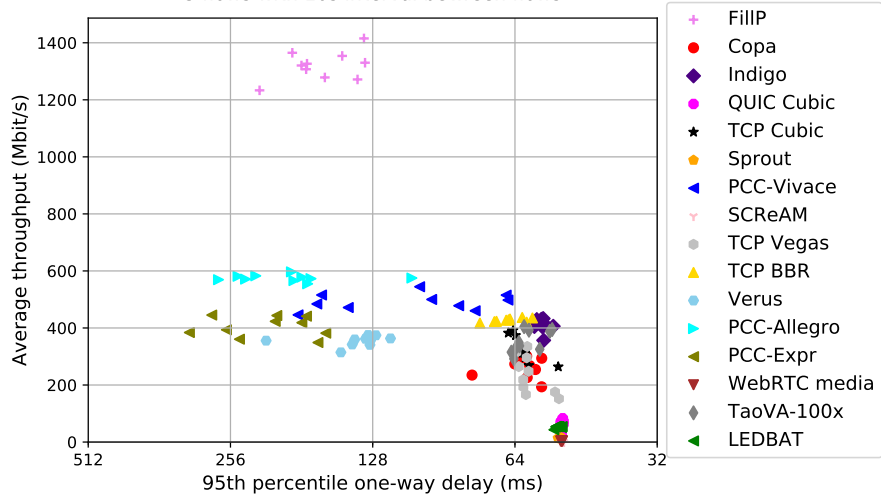
Git summary:

```
branch: master @ 227fdf9a3757f17b88537cceed5743a33037a3d2
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from GCE London to GCE Iowa, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



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



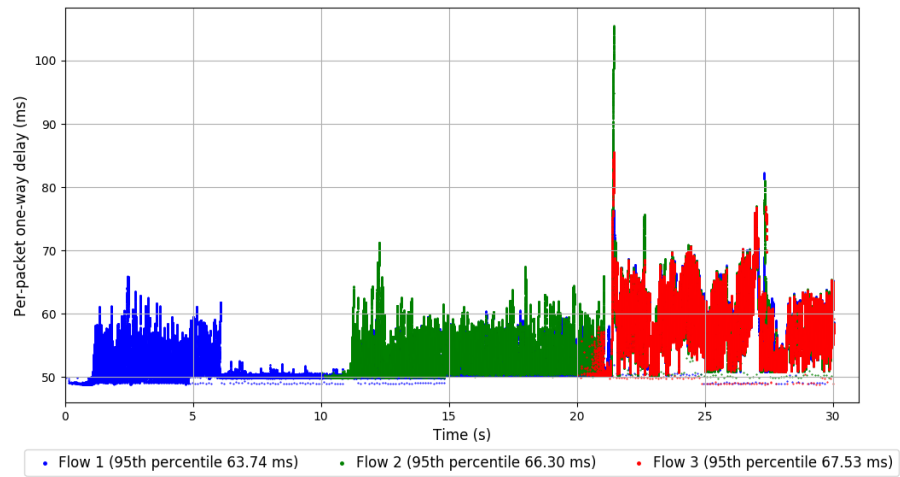
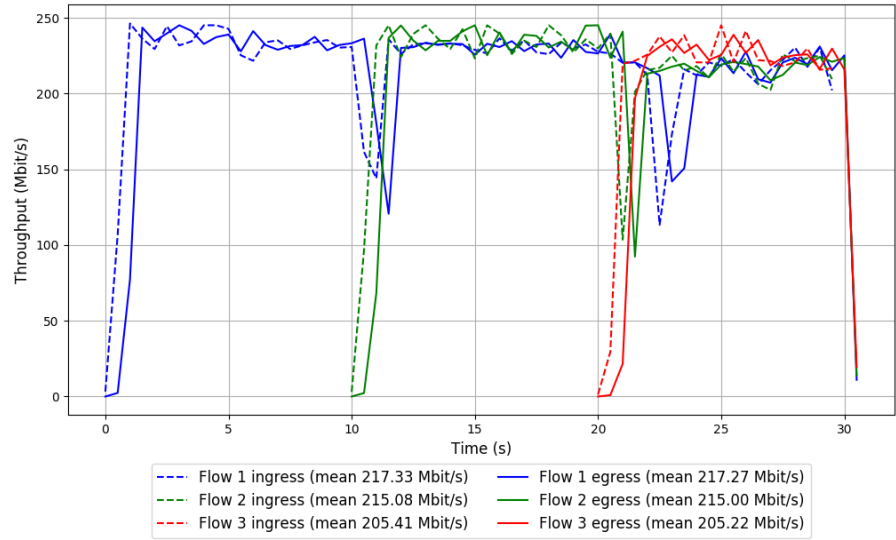
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	217.13	214.00	202.97	64.63	66.14	68.72	0.00	0.00	0.00
Copa	10	145.53	127.75	129.96	59.45	64.52	61.22	0.01	0.02	0.01
TCP Cubic	10	195.12	157.85	81.20	61.20	60.09	58.14	0.01	0.02	0.09
FillP	10	688.22	672.85	555.08	160.51	150.61	176.88	4.72	3.42	1.64
Indigo	10	216.24	210.56	170.51	55.36	57.34	55.73	0.00	0.00	0.00
LEDBAT	10	33.82	22.86	11.19	52.07	51.64	51.38	0.00	0.00	0.01
PCC-Allegro	10	483.14	112.79	51.42	206.65	156.74	154.70	2.87	1.90	1.79
PCC-Expr	10	251.75	181.07	96.95	207.21	210.69	125.45	5.94	4.00	1.91
QUIC Cubic	10	40.72	29.68	19.94	50.71	50.59	50.67	0.00	0.00	0.00
SCReAM	10	0.22	0.22	0.22	50.52	50.61	50.55	0.00	0.00	0.00
Sprout	10	6.72	6.96	6.64	51.30	51.33	51.24	0.00	0.00	0.01
TaoVA-100x	10	177.33	184.25	158.12	55.73	61.70	64.67	0.00	0.01	0.01
TCP Vegas	10	103.93	151.20	95.66	56.18	57.56	57.62	0.01	0.01	0.07
Verus	10	207.27	154.89	139.56	135.66	141.60	177.94	0.97	0.58	1.81
PCC-Vivace	10	298.40	250.96	78.82	122.31	86.14	52.01	0.54	0.07	0.01
WebRTC media	10	2.09	1.37	0.55	50.92	50.90	50.82	0.00	0.00	0.01

Run 1: Statistics of TCP BBR

Start at: 2018-06-07 05:23:12
End at: 2018-06-07 05:23:42
Local clock offset: -0.113 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-06-07 09:19:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 428.80 Mbit/s
95th percentile per-packet one-way delay: 65.632 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 217.27 Mbit/s
95th percentile per-packet one-way delay: 63.739 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 215.00 Mbit/s
95th percentile per-packet one-way delay: 66.296 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 205.22 Mbit/s
95th percentile per-packet one-way delay: 67.534 ms
Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

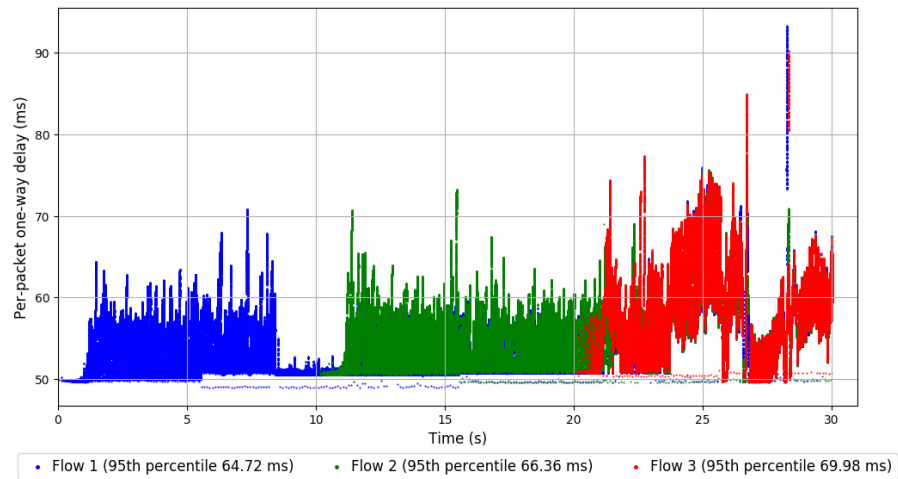
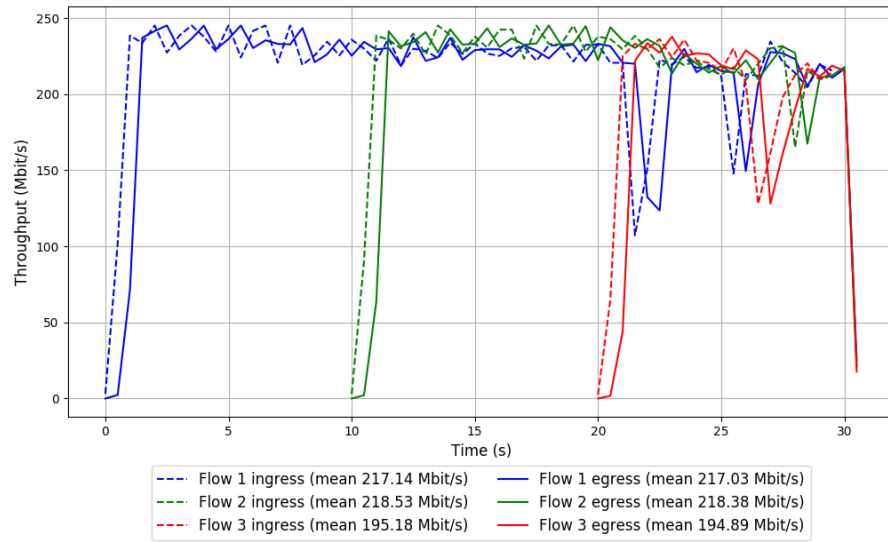


Run 2: Statistics of TCP BBR

Start at: 2018-06-07 05:46:32
End at: 2018-06-07 05:47:02
Local clock offset: 0.082 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-06-07 09:19:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 427.29 Mbit/s
95th percentile per-packet one-way delay: 66.784 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 217.03 Mbit/s
95th percentile per-packet one-way delay: 64.716 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 218.38 Mbit/s
95th percentile per-packet one-way delay: 66.360 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 194.89 Mbit/s
95th percentile per-packet one-way delay: 69.981 ms
Loss rate: 0.01%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-06-07 06:09:34

End at: 2018-06-07 06:10:04

Local clock offset: 0.043 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-06-07 09:19:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 420.40 Mbit/s

95th percentile per-packet one-way delay: 60.458 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 220.07 Mbit/s

95th percentile per-packet one-way delay: 60.248 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 197.78 Mbit/s

95th percentile per-packet one-way delay: 60.357 ms

Loss rate: 0.00%

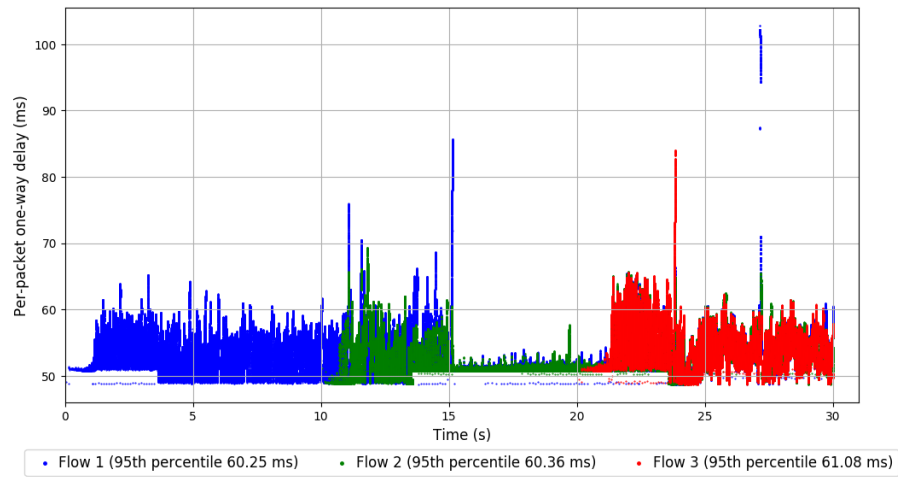
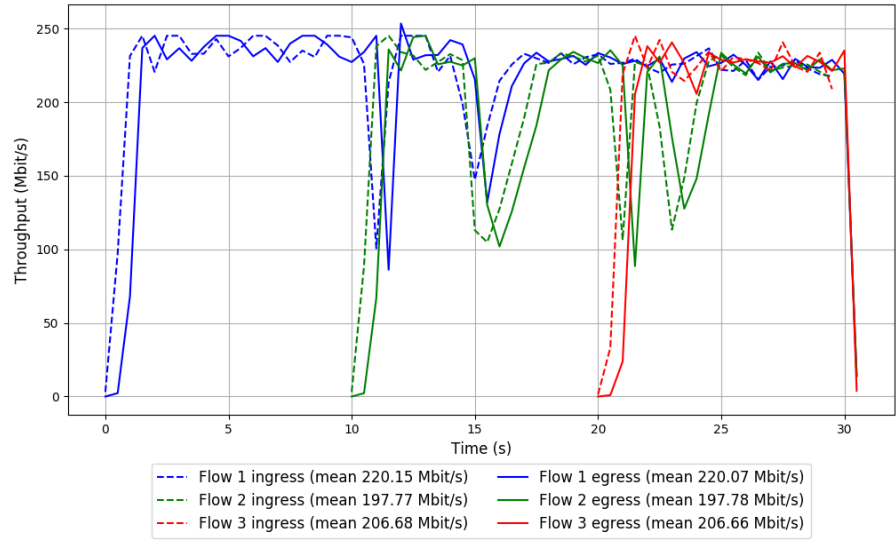
-- Flow 3:

Average throughput: 206.66 Mbit/s

95th percentile per-packet one-way delay: 61.079 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link

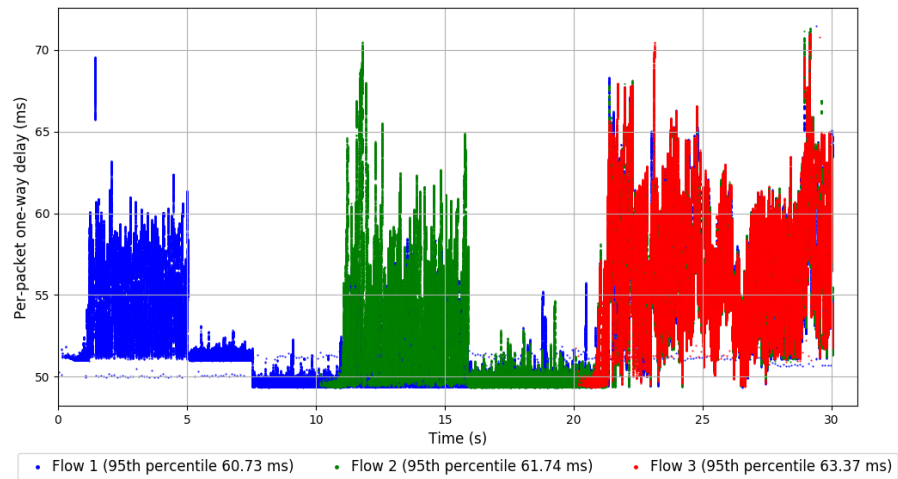
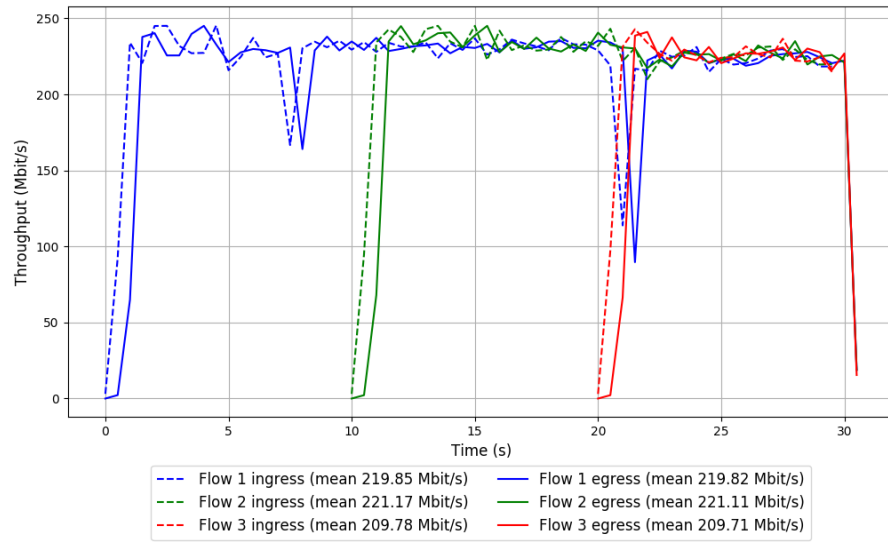


Run 4: Statistics of TCP BBR

Start at: 2018-06-07 06:32:50
End at: 2018-06-07 06:33:20
Local clock offset: -0.329 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-06-07 09:19:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 436.88 Mbit/s
95th percentile per-packet one-way delay: 61.775 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 219.82 Mbit/s
95th percentile per-packet one-way delay: 60.732 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 221.11 Mbit/s
95th percentile per-packet one-way delay: 61.743 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 209.71 Mbit/s
95th percentile per-packet one-way delay: 63.372 ms
Loss rate: 0.01%

Run 4: Report of TCP BBR — Data Link

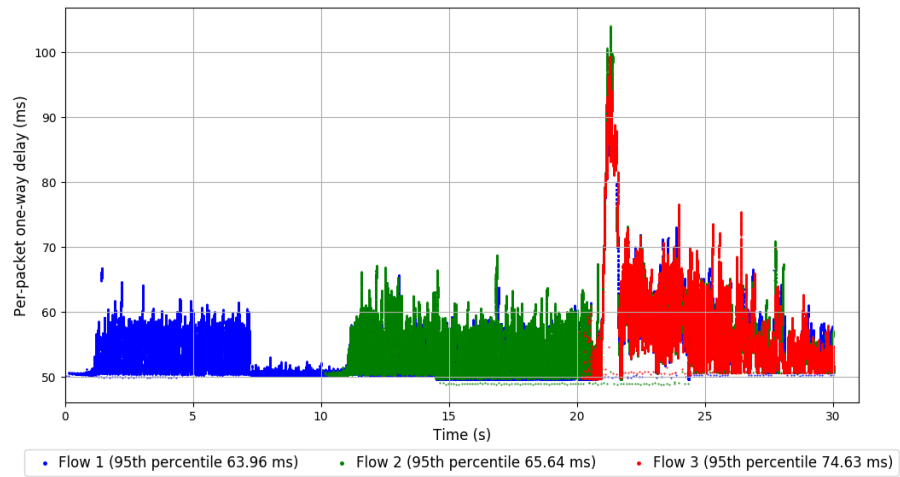
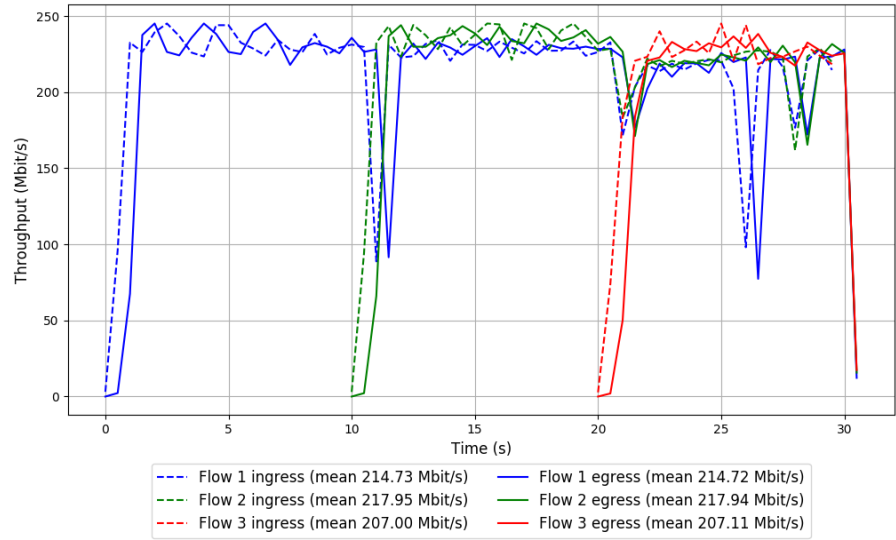


Run 5: Statistics of TCP BBR

Start at: 2018-06-07 06:55:53
End at: 2018-06-07 06:56:23
Local clock offset: 0.016 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-06-07 09:19:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 428.71 Mbit/s
95th percentile per-packet one-way delay: 66.047 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 214.72 Mbit/s
95th percentile per-packet one-way delay: 63.961 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 217.94 Mbit/s
95th percentile per-packet one-way delay: 65.641 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 207.11 Mbit/s
95th percentile per-packet one-way delay: 74.629 ms
Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-06-07 07:18:56

End at: 2018-06-07 07:19:26

Local clock offset: -0.022 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-06-07 09:19:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 435.17 Mbit/s

95th percentile per-packet one-way delay: 58.770 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 221.75 Mbit/s

95th percentile per-packet one-way delay: 58.257 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 217.05 Mbit/s

95th percentile per-packet one-way delay: 58.631 ms

Loss rate: 0.00%

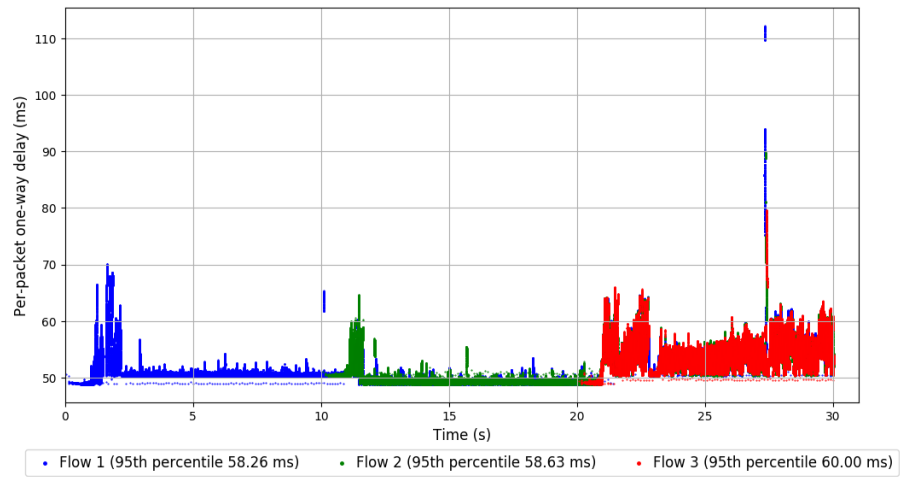
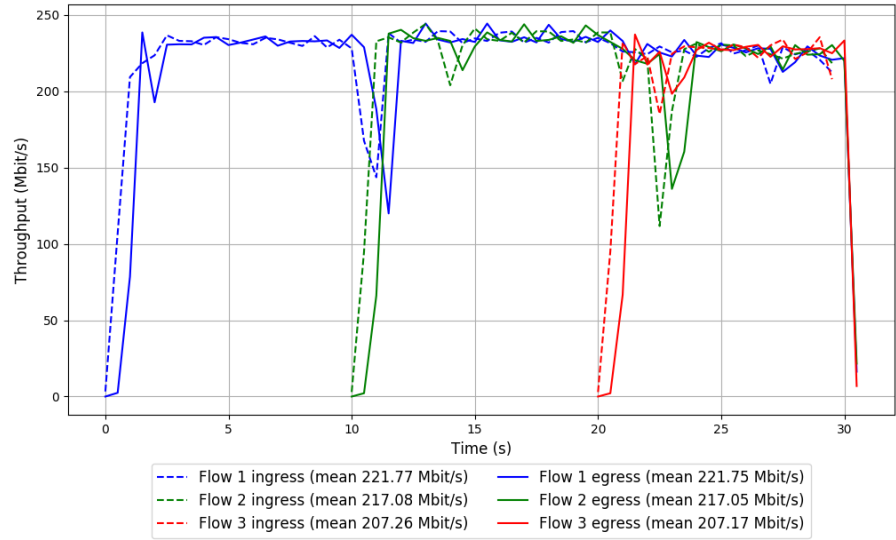
-- Flow 3:

Average throughput: 207.17 Mbit/s

95th percentile per-packet one-way delay: 60.000 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

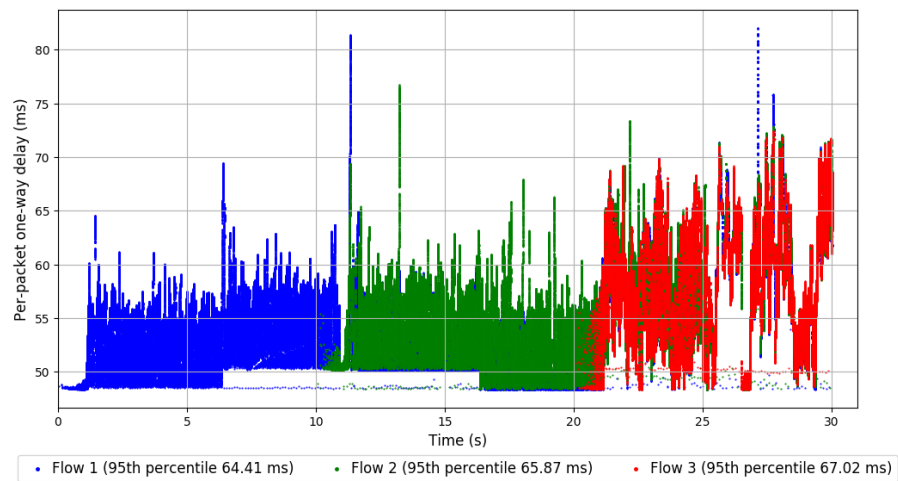
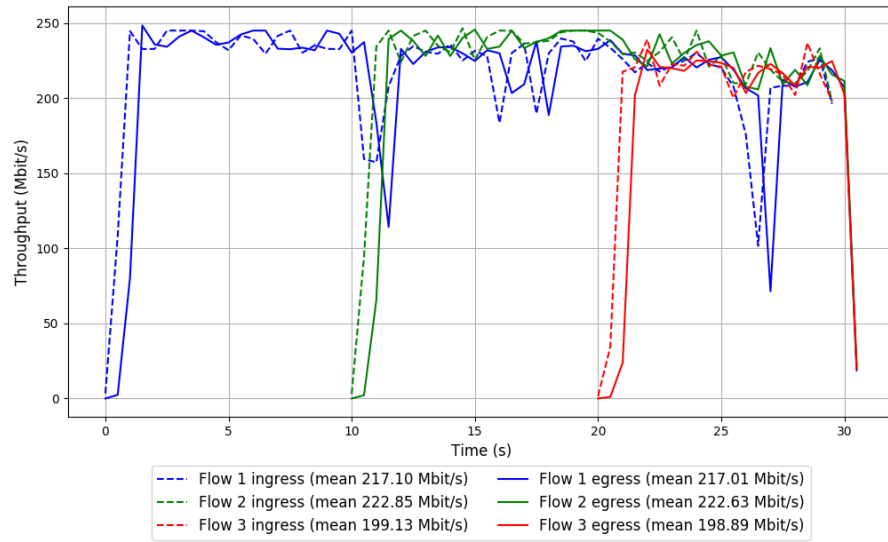


Run 7: Statistics of TCP BBR

Start at: 2018-06-07 07:42:11
End at: 2018-06-07 07:42:41
Local clock offset: 0.393 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-06-07 09:19:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 431.44 Mbit/s
95th percentile per-packet one-way delay: 65.571 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 217.01 Mbit/s
95th percentile per-packet one-way delay: 64.405 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 222.63 Mbit/s
95th percentile per-packet one-way delay: 65.870 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 198.89 Mbit/s
95th percentile per-packet one-way delay: 67.017 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-06-07 08:05:28

End at: 2018-06-07 08:05:58

Local clock offset: 0.378 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-06-07 09:19:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 423.43 Mbit/s

95th percentile per-packet one-way delay: 70.033 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 214.84 Mbit/s

95th percentile per-packet one-way delay: 67.443 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 212.07 Mbit/s

95th percentile per-packet one-way delay: 70.644 ms

Loss rate: 0.00%

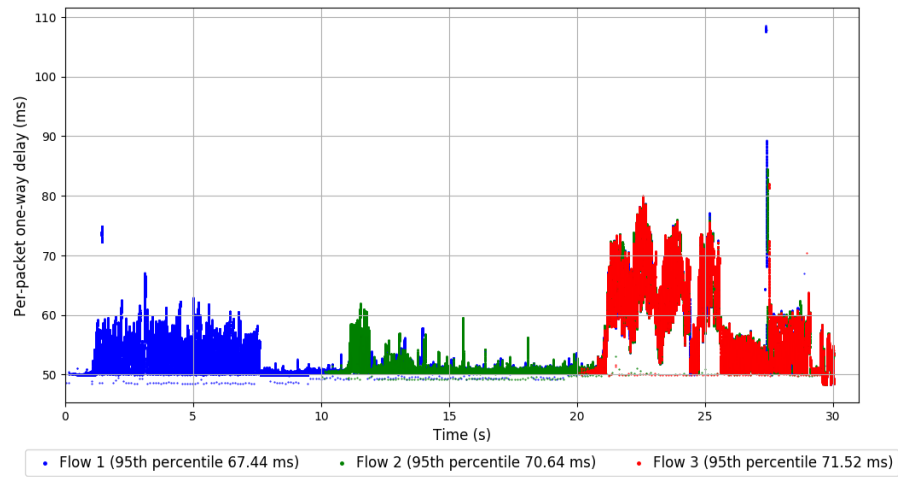
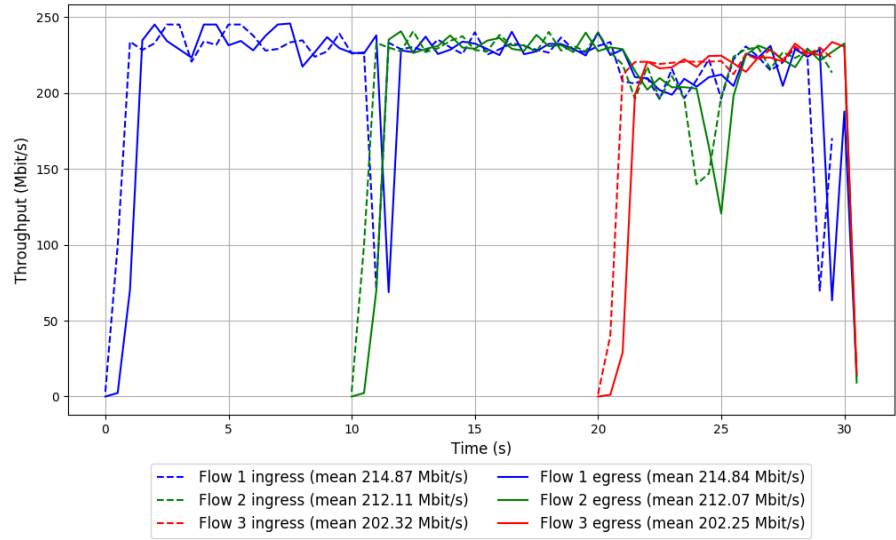
-- Flow 3:

Average throughput: 202.25 Mbit/s

95th percentile per-packet one-way delay: 71.521 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link

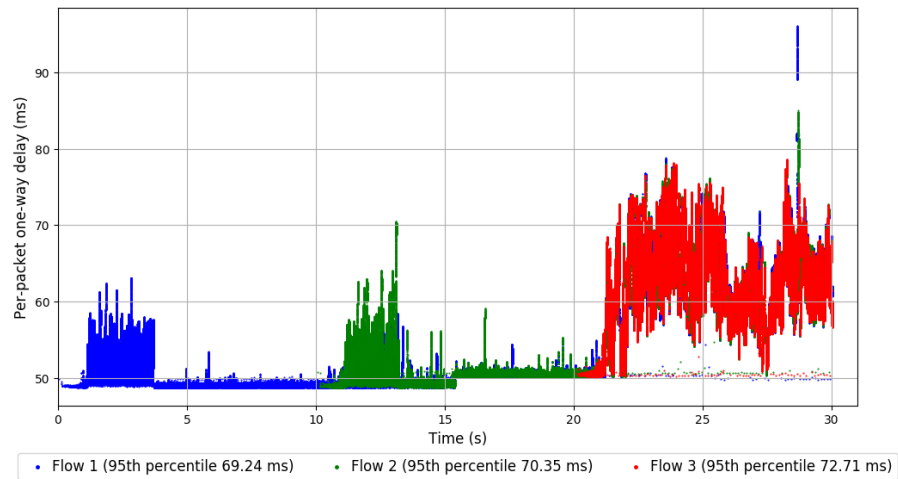
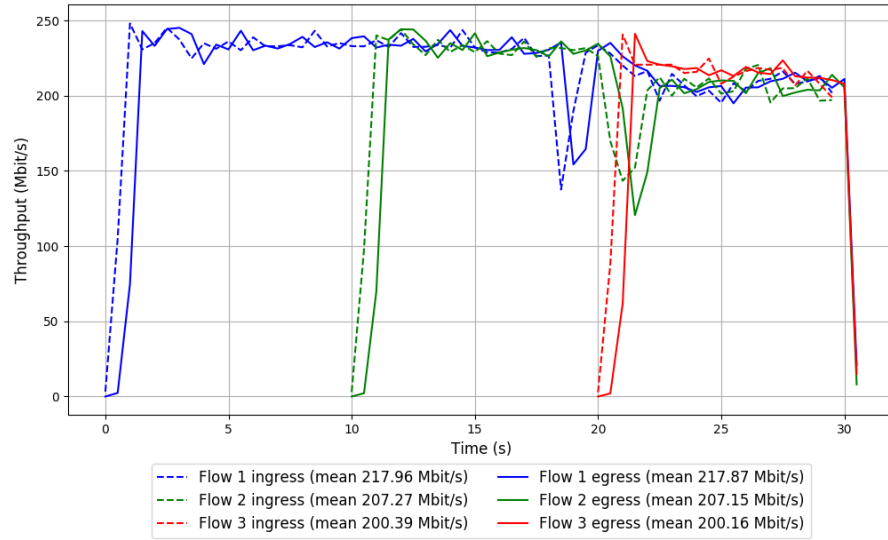


Run 9: Statistics of TCP BBR

Start at: 2018-06-07 08:28:32
End at: 2018-06-07 08:29:02
Local clock offset: 0.028 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-06-07 09:25:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 422.38 Mbit/s
95th percentile per-packet one-way delay: 70.734 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 217.87 Mbit/s
95th percentile per-packet one-way delay: 69.236 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 207.15 Mbit/s
95th percentile per-packet one-way delay: 70.351 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 200.16 Mbit/s
95th percentile per-packet one-way delay: 72.709 ms
Loss rate: 0.01%

Run 9: Report of TCP BBR — Data Link

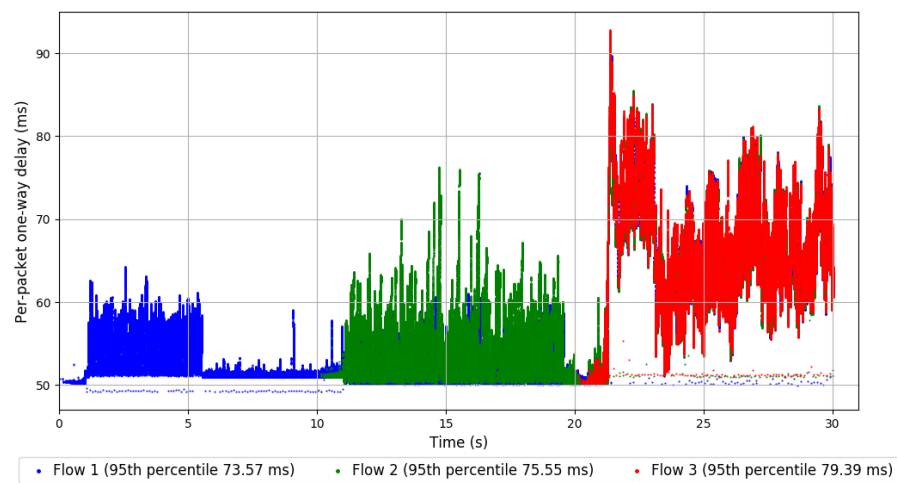
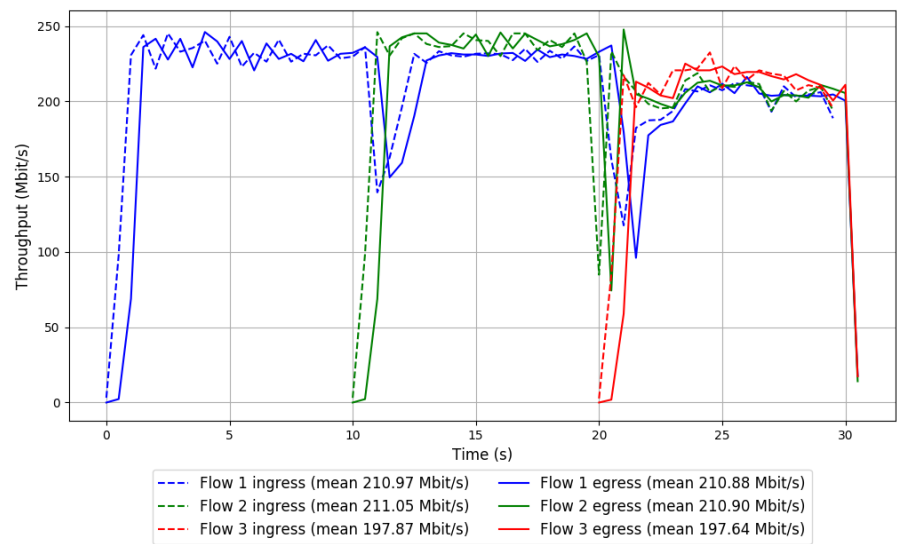


Run 10: Statistics of TCP BBR

Start at: 2018-06-07 08:51:46
End at: 2018-06-07 08:52:16
Local clock offset: -0.333 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-06-07 09:25:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 417.05 Mbit/s
95th percentile per-packet one-way delay: 75.925 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 210.88 Mbit/s
95th percentile per-packet one-way delay: 73.568 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 210.90 Mbit/s
95th percentile per-packet one-way delay: 75.552 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 197.64 Mbit/s
95th percentile per-packet one-way delay: 79.390 ms
Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

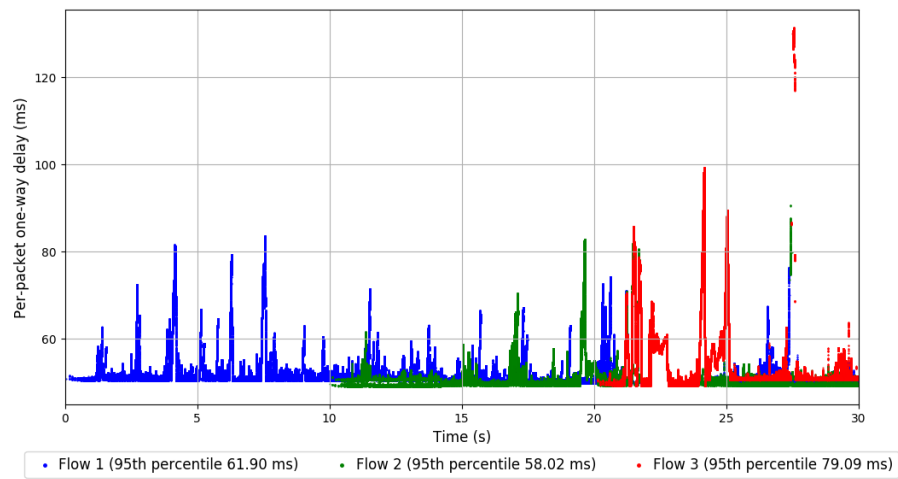
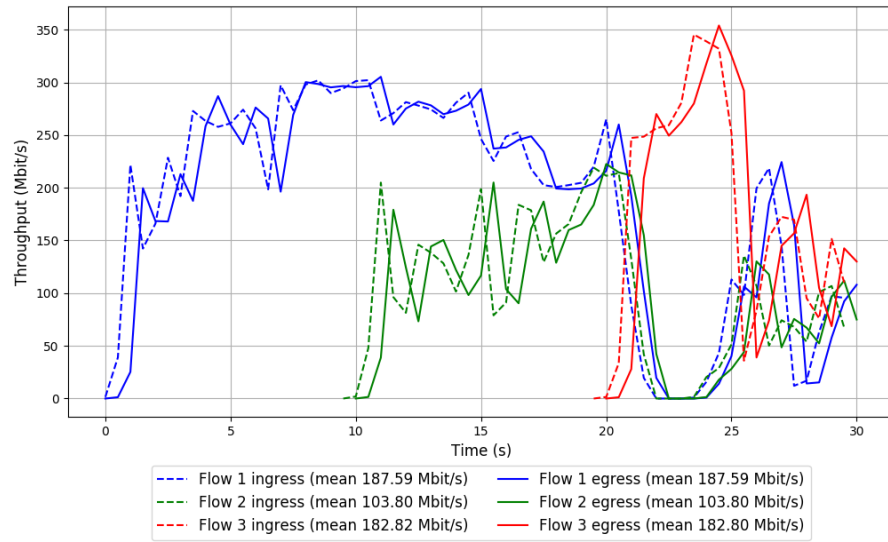


Run 1: Statistics of Copa

Start at: 2018-06-07 05:18:33
End at: 2018-06-07 05:19:03
Local clock offset: -0.453 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-06-07 09:28:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 317.71 Mbit/s
95th percentile per-packet one-way delay: 64.202 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 187.59 Mbit/s
95th percentile per-packet one-way delay: 61.902 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 103.80 Mbit/s
95th percentile per-packet one-way delay: 58.016 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 182.80 Mbit/s
95th percentile per-packet one-way delay: 79.095 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

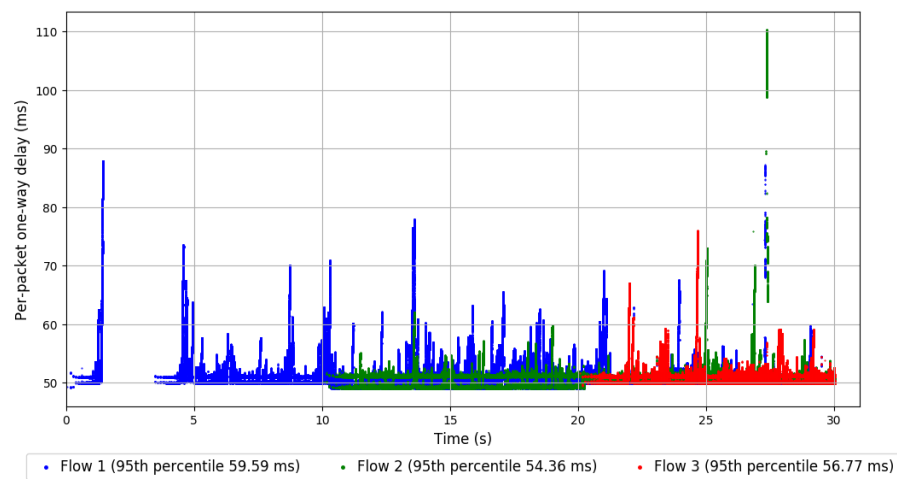
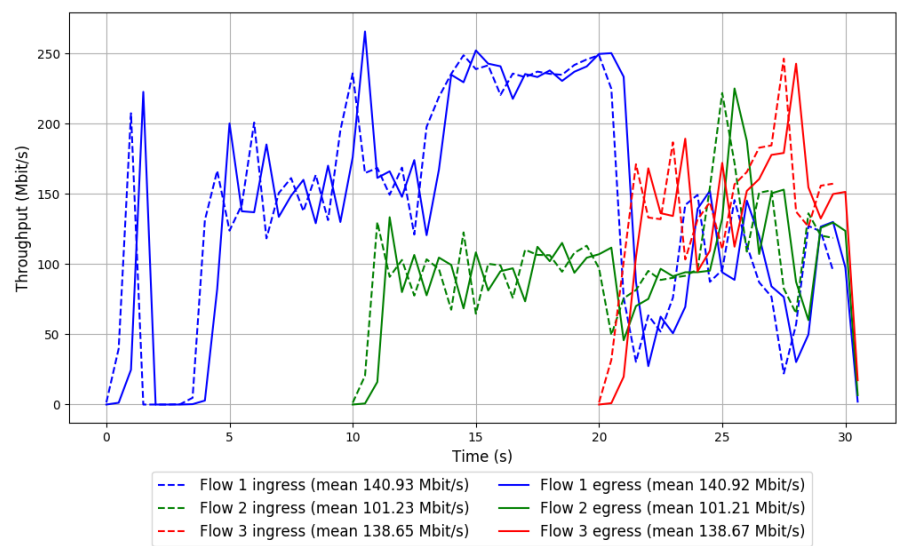


Run 2: Statistics of Copa

Start at: 2018-06-07 05:41:57
End at: 2018-06-07 05:42:27
Local clock offset: -0.325 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-06-07 09:28:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 254.39 Mbit/s
95th percentile per-packet one-way delay: 57.914 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 140.92 Mbit/s
95th percentile per-packet one-way delay: 59.595 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 101.21 Mbit/s
95th percentile per-packet one-way delay: 54.364 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 138.67 Mbit/s
95th percentile per-packet one-way delay: 56.767 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

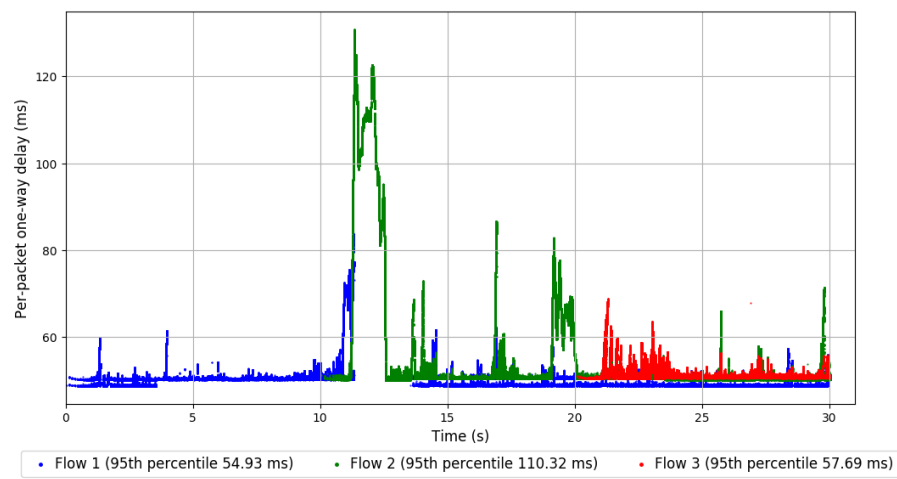
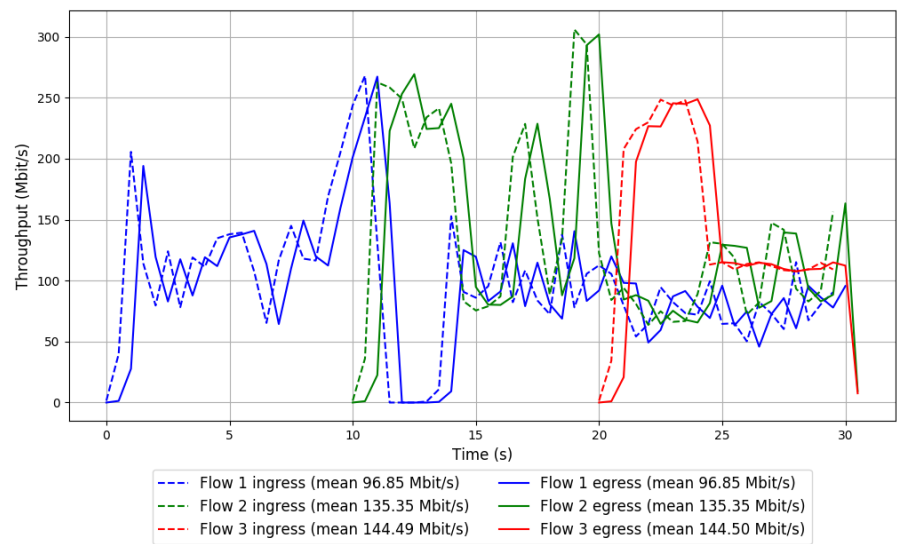


Run 3: Statistics of Copa

Start at: 2018-06-07 06:05:04
End at: 2018-06-07 06:05:34
Local clock offset: 0.054 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-06-07 09:28:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 234.79 Mbit/s
95th percentile per-packet one-way delay: 78.884 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 54.927 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 135.35 Mbit/s
95th percentile per-packet one-way delay: 110.324 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 144.50 Mbit/s
95th percentile per-packet one-way delay: 57.687 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

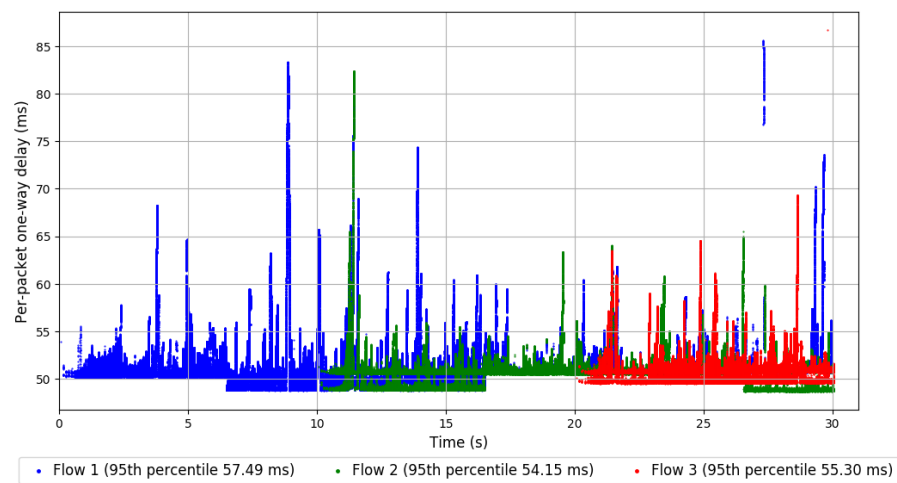
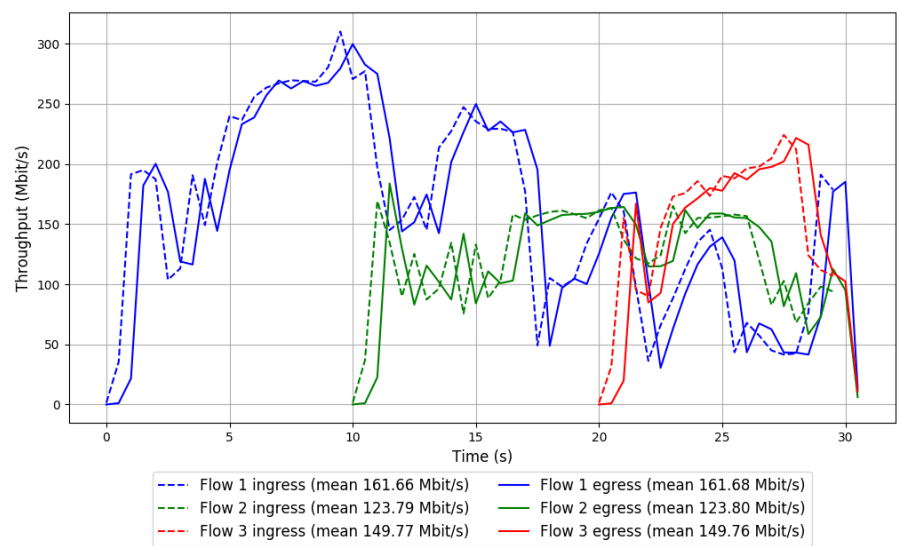


Run 4: Statistics of Copa

Start at: 2018-06-07 06:28:21
End at: 2018-06-07 06:28:51
Local clock offset: 0.039 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-06-07 09:28:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 293.88 Mbit/s
95th percentile per-packet one-way delay: 56.174 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 161.68 Mbit/s
95th percentile per-packet one-way delay: 57.489 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 123.80 Mbit/s
95th percentile per-packet one-way delay: 54.147 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 149.76 Mbit/s
95th percentile per-packet one-way delay: 55.297 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

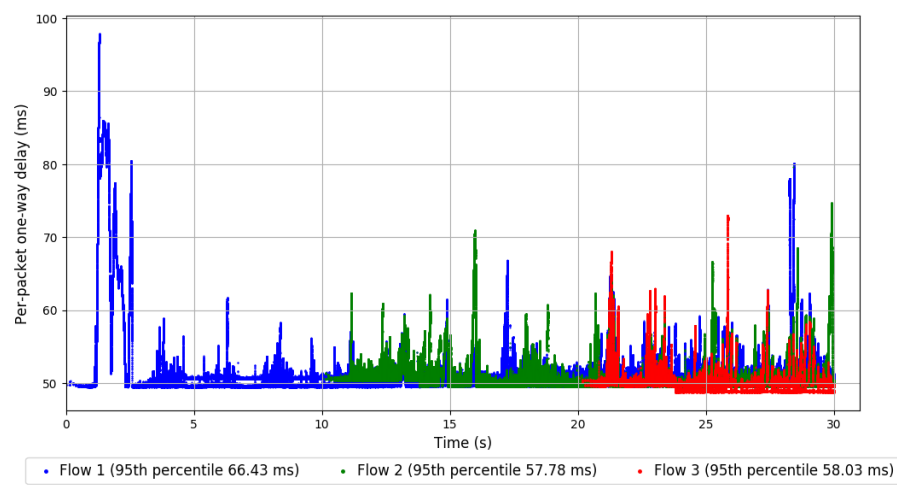
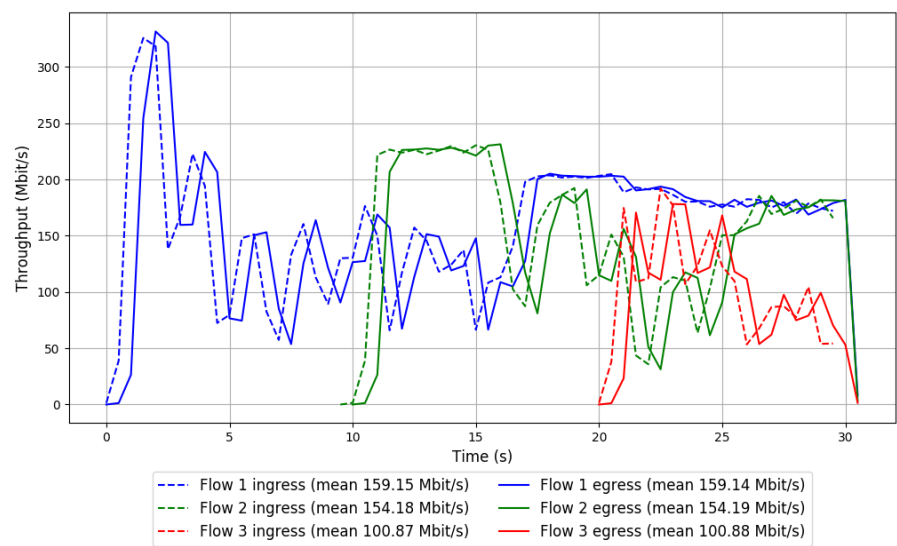


Run 5: Statistics of Copa

Start at: 2018-06-07 06:51:23
End at: 2018-06-07 06:51:53
Local clock offset: -0.025 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-06-07 09:28:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 295.38 Mbit/s
95th percentile per-packet one-way delay: 61.415 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 159.14 Mbit/s
95th percentile per-packet one-way delay: 66.431 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 154.19 Mbit/s
95th percentile per-packet one-way delay: 57.778 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 100.88 Mbit/s
95th percentile per-packet one-way delay: 58.028 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

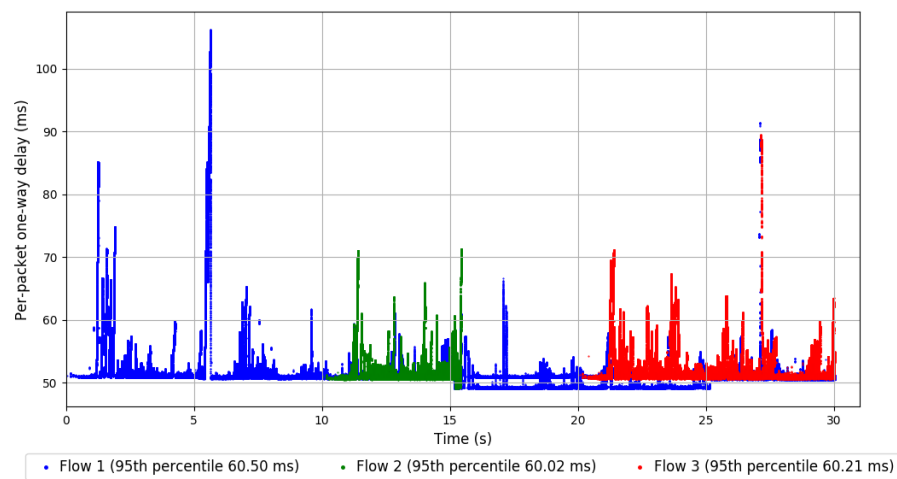
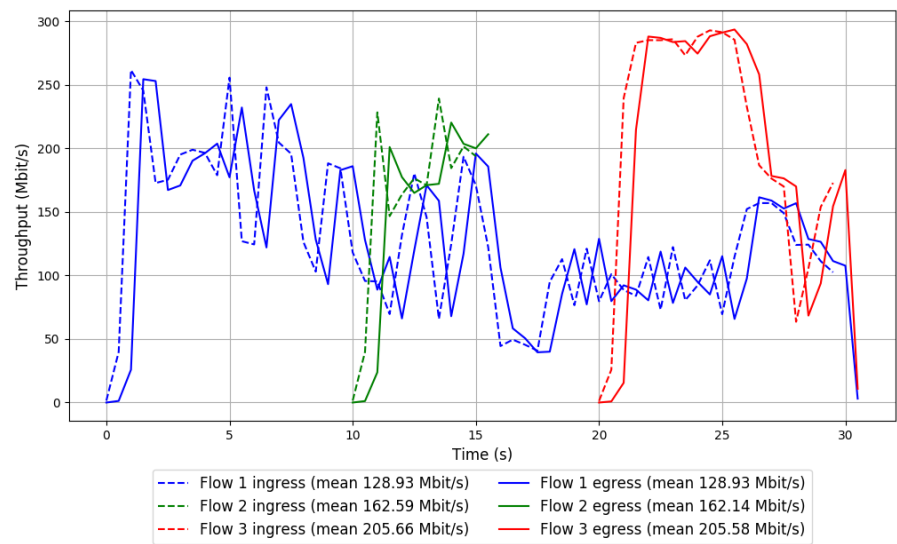


Run 6: Statistics of Copa

Start at: 2018-06-07 07:14:32
End at: 2018-06-07 07:15:02
Local clock offset: -0.362 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-06-07 09:28:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 226.36 Mbit/s
95th percentile per-packet one-way delay: 60.289 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 128.93 Mbit/s
95th percentile per-packet one-way delay: 60.498 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 162.14 Mbit/s
95th percentile per-packet one-way delay: 60.025 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 205.58 Mbit/s
95th percentile per-packet one-way delay: 60.212 ms
Loss rate: 0.04%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-06-07 07:37:39

End at: 2018-06-07 07:38:09

Local clock offset: 0.001 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-06-07 09:30:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 193.72 Mbit/s

95th percentile per-packet one-way delay: 56.206 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 100.13 Mbit/s

95th percentile per-packet one-way delay: 52.076 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 97.59 Mbit/s

95th percentile per-packet one-way delay: 65.468 ms

Loss rate: 0.12%

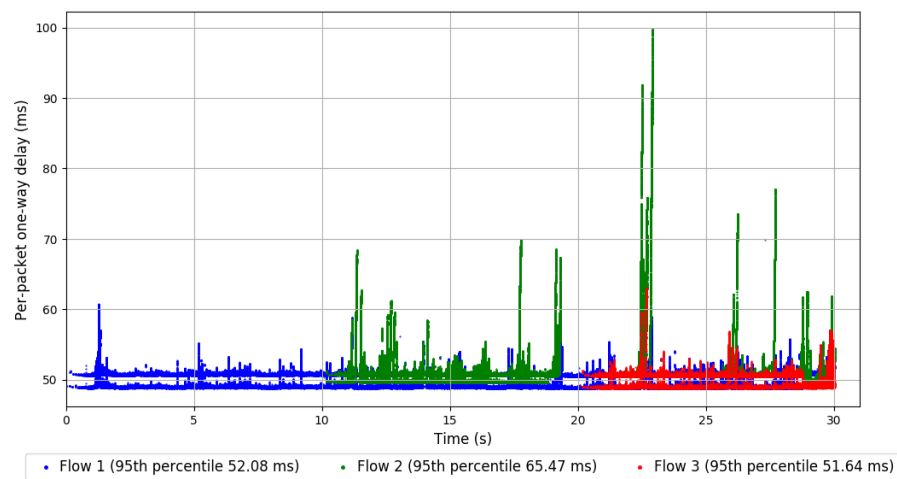
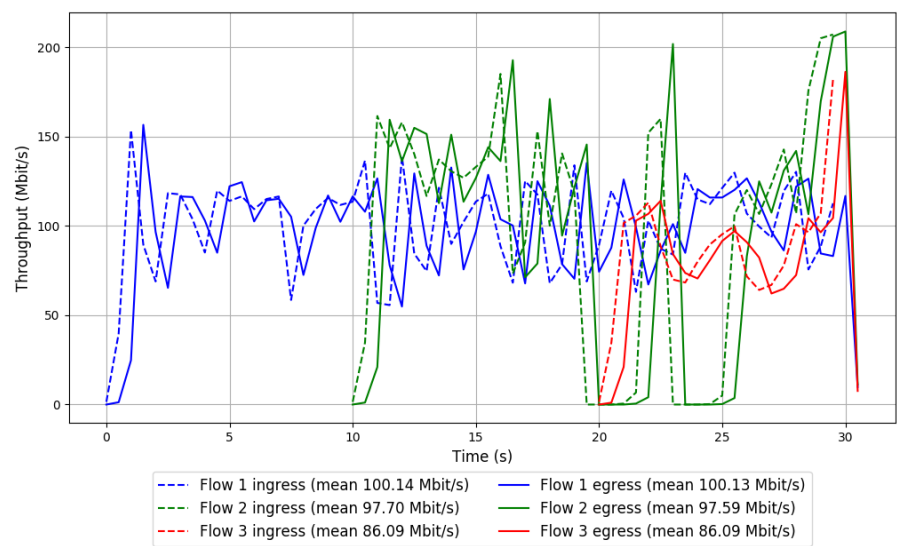
-- Flow 3:

Average throughput: 86.09 Mbit/s

95th percentile per-packet one-way delay: 51.636 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link

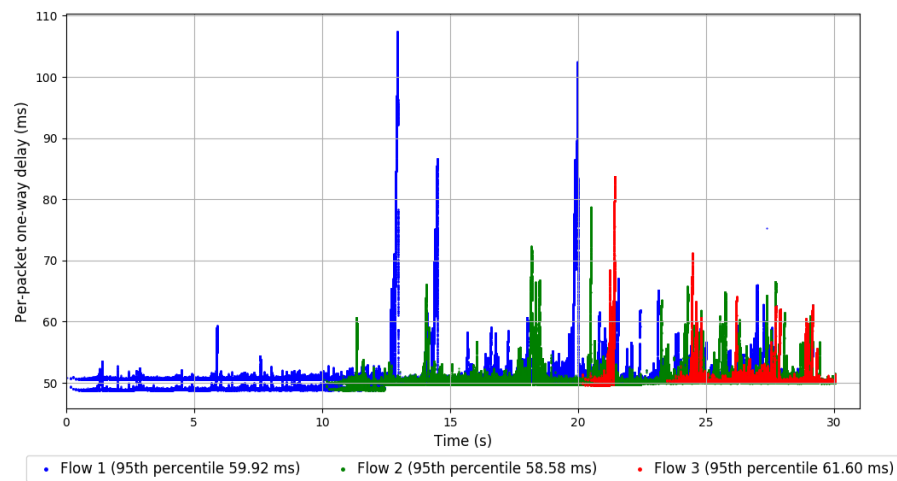
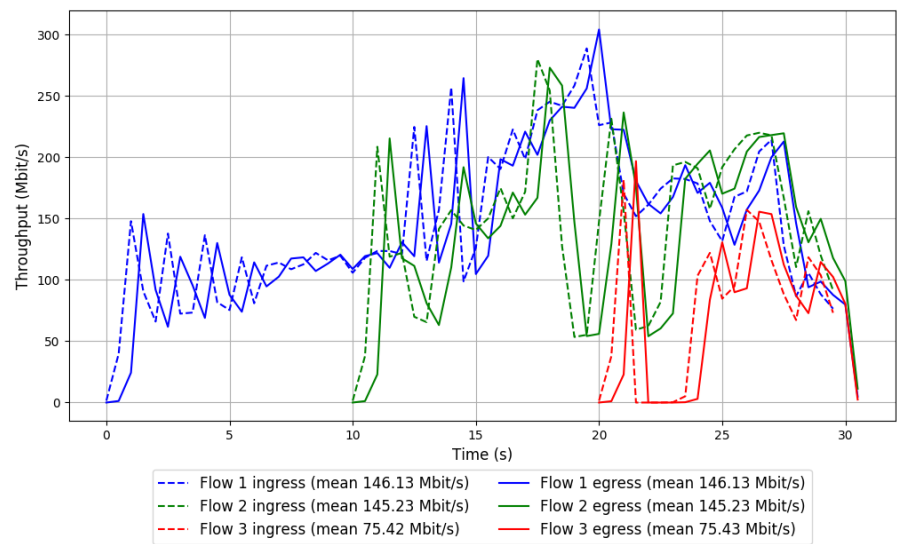


Run 8: Statistics of Copa

Start at: 2018-06-07 08:00:55
End at: 2018-06-07 08:01:25
Local clock offset: -0.008 ms
Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-06-07 09:33:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 267.94 Mbit/s
95th percentile per-packet one-way delay: 59.565 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 146.13 Mbit/s
95th percentile per-packet one-way delay: 59.916 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 145.23 Mbit/s
95th percentile per-packet one-way delay: 58.580 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 75.43 Mbit/s
95th percentile per-packet one-way delay: 61.598 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

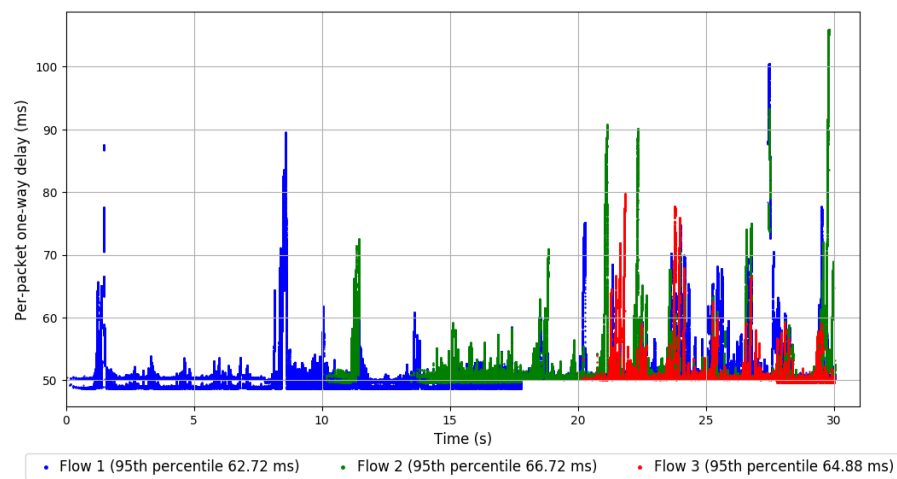
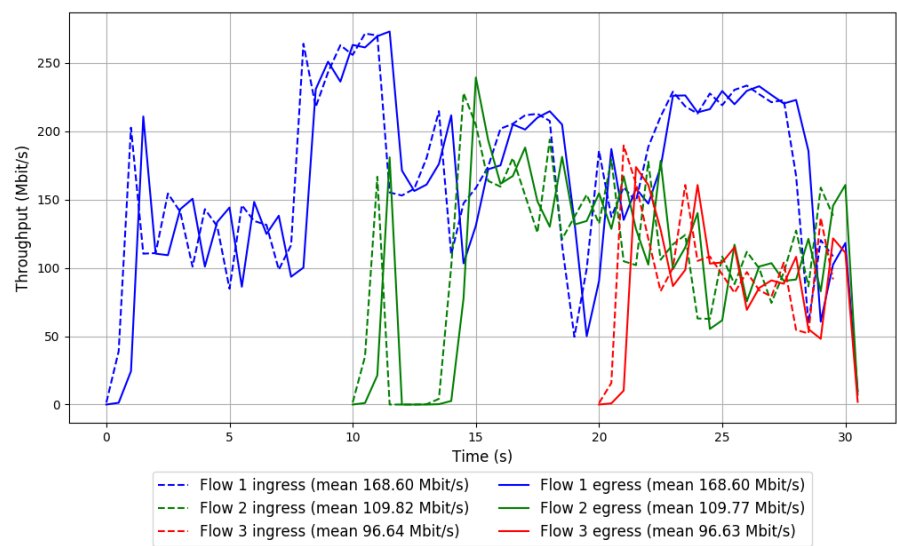


Run 9: Statistics of Copa

Start at: 2018-06-07 08:24:00
End at: 2018-06-07 08:24:30
Local clock offset: 0.041 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-06-07 09:33:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 273.75 Mbit/s
95th percentile per-packet one-way delay: 64.057 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 168.60 Mbit/s
95th percentile per-packet one-way delay: 62.720 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 109.77 Mbit/s
95th percentile per-packet one-way delay: 66.721 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: 64.878 ms
Loss rate: 0.01%

Run 9: Report of Copa — Data Link

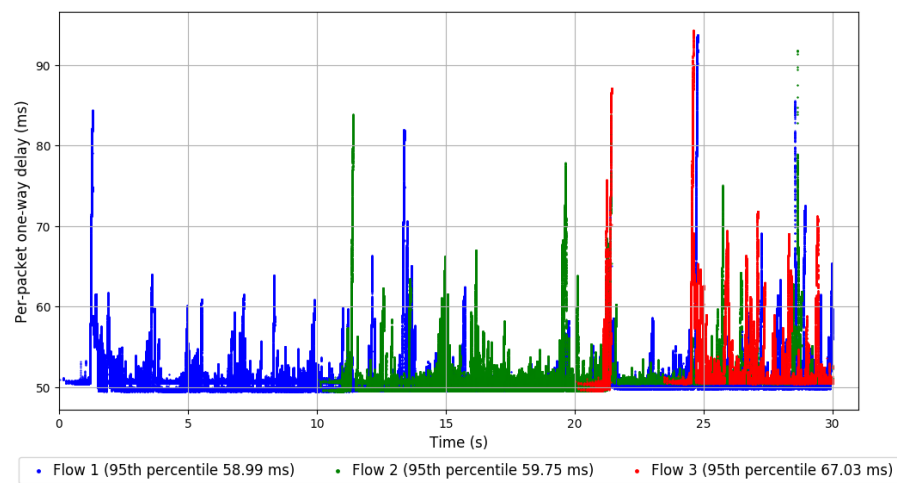
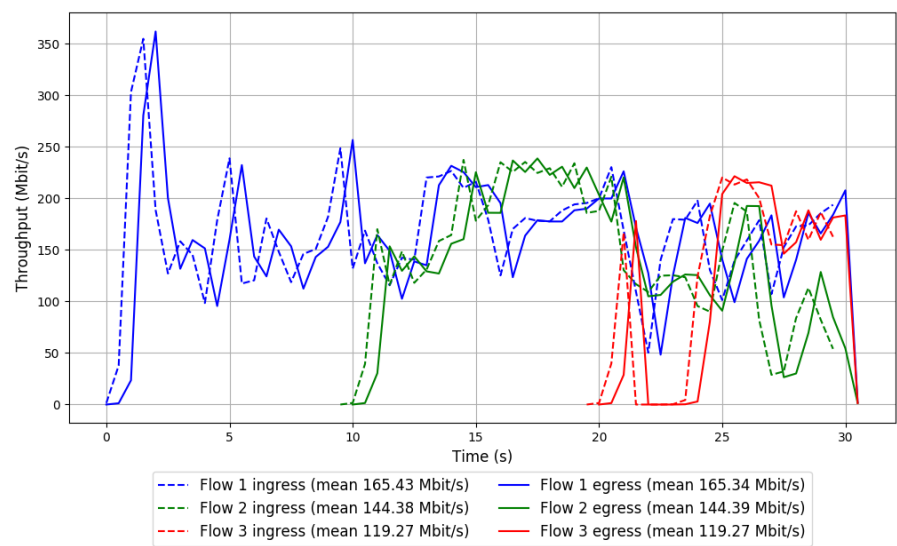


Run 10: Statistics of Copa

Start at: 2018-06-07 08:47:16
End at: 2018-06-07 08:47:46
Local clock offset: 0.088 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-06-07 09:34:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 301.28 Mbit/s
95th percentile per-packet one-way delay: 60.444 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 165.34 Mbit/s
95th percentile per-packet one-way delay: 58.986 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 144.39 Mbit/s
95th percentile per-packet one-way delay: 59.752 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 119.27 Mbit/s
95th percentile per-packet one-way delay: 67.025 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

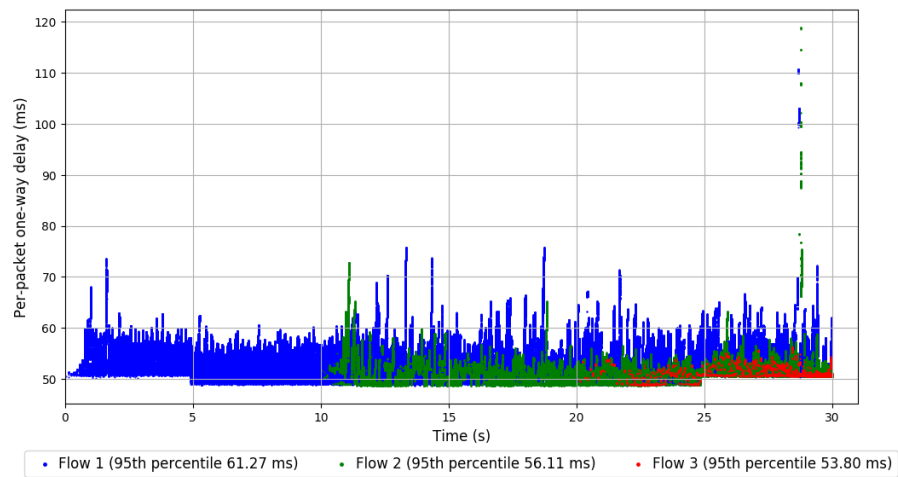
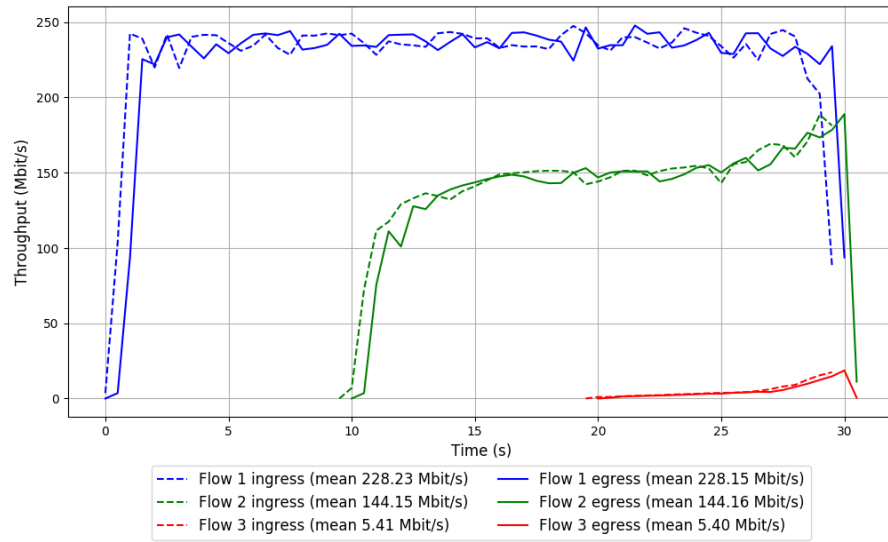


Run 1: Statistics of TCP Cubic

Start at: 2018-06-07 05:04:22
End at: 2018-06-07 05:04:52
Local clock offset: -0.084 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-06-07 09:34:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 325.66 Mbit/s
95th percentile per-packet one-way delay: 60.427 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 228.15 Mbit/s
95th percentile per-packet one-way delay: 61.267 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 144.16 Mbit/s
95th percentile per-packet one-way delay: 56.108 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.40 Mbit/s
95th percentile per-packet one-way delay: 53.797 ms
Loss rate: 0.16%

Run 1: Report of TCP Cubic — Data Link

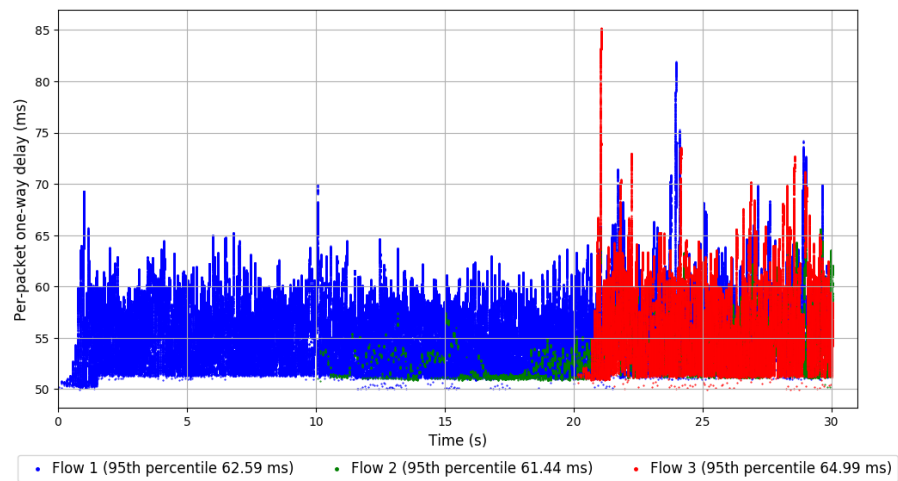
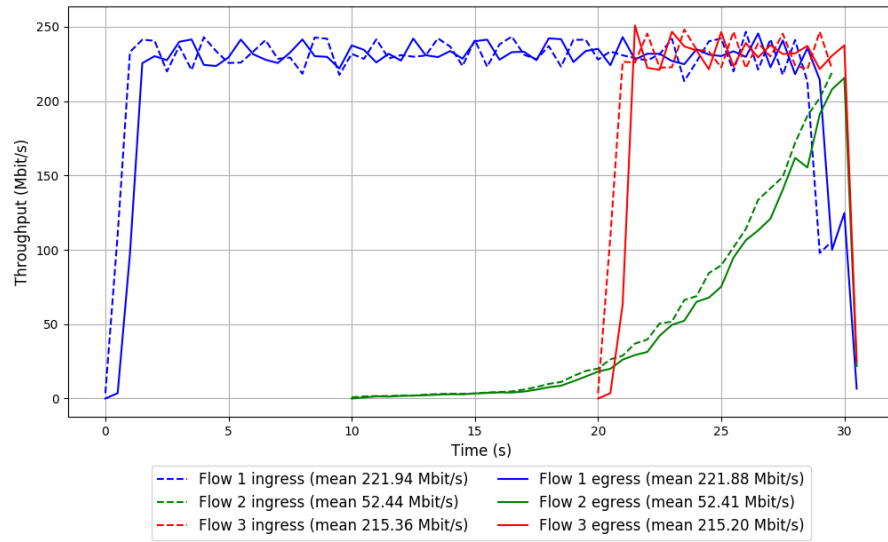


Run 2: Statistics of TCP Cubic

Start at: 2018-06-07 05:27:36
End at: 2018-06-07 05:28:06
Local clock offset: -0.381 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-06-07 09:34:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 328.32 Mbit/s
95th percentile per-packet one-way delay: 63.153 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 221.88 Mbit/s
95th percentile per-packet one-way delay: 62.585 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 52.41 Mbit/s
95th percentile per-packet one-way delay: 61.443 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 215.20 Mbit/s
95th percentile per-packet one-way delay: 64.989 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

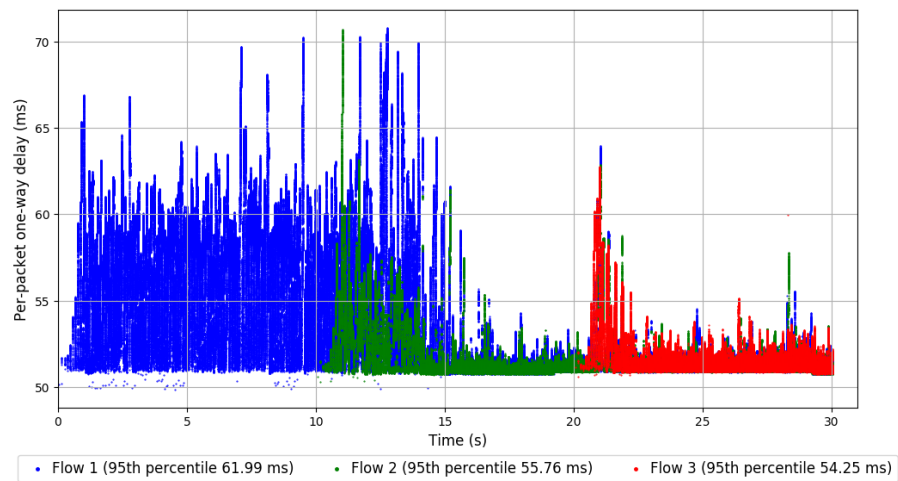
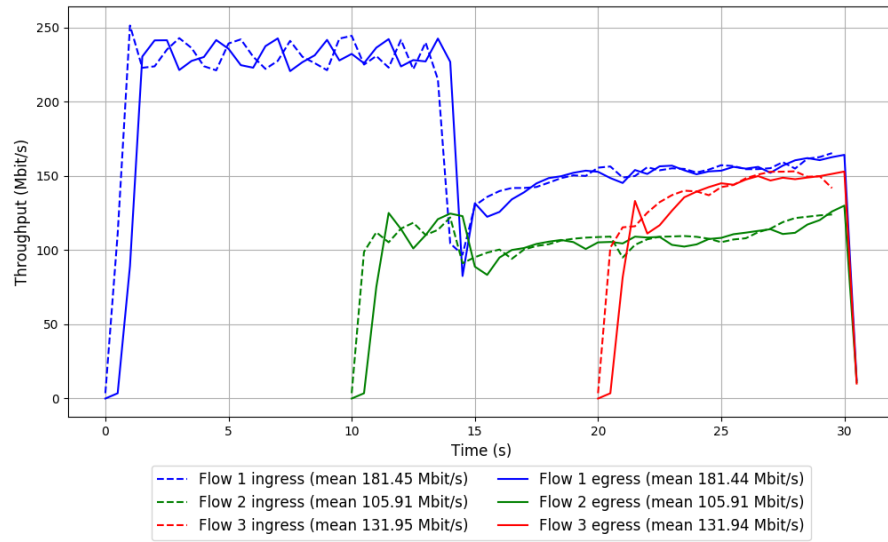


Run 3: Statistics of TCP Cubic

Start at: 2018-06-07 05:50:48
End at: 2018-06-07 05:51:18
Local clock offset: 0.078 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-06-07 09:34:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 295.79 Mbit/s
95th percentile per-packet one-way delay: 60.898 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 181.44 Mbit/s
95th percentile per-packet one-way delay: 61.990 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 105.91 Mbit/s
95th percentile per-packet one-way delay: 55.758 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 131.94 Mbit/s
95th percentile per-packet one-way delay: 54.250 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

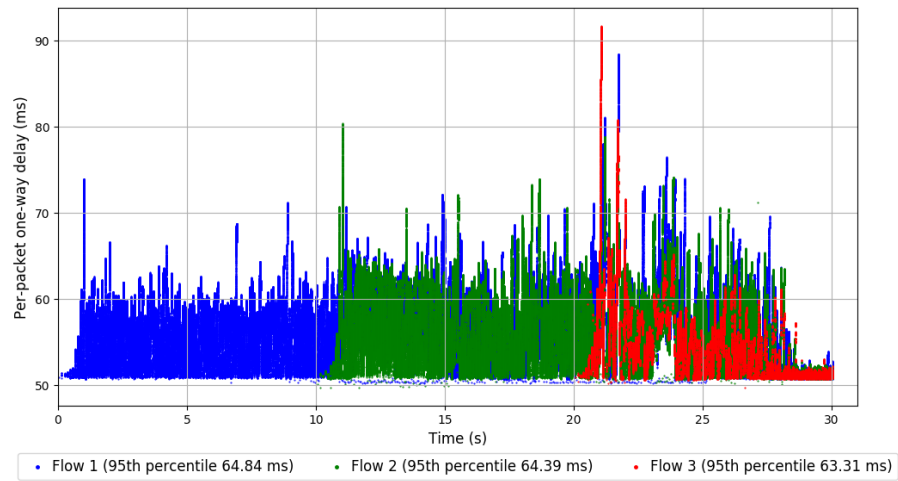
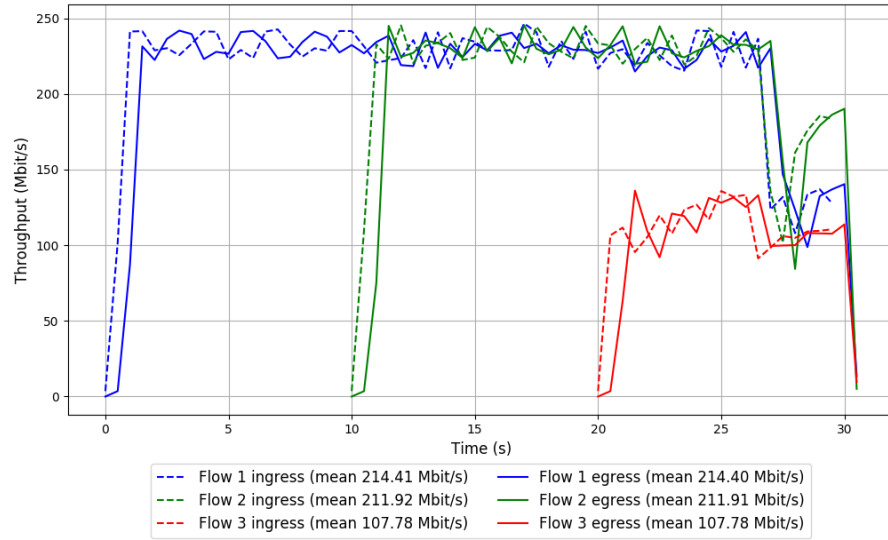


Run 4: Statistics of TCP Cubic

Start at: 2018-06-07 06:13:52
End at: 2018-06-07 06:14:22
Local clock offset: 0.025 ms
Remote clock offset: -0.039 ms

```
# Below is generated by plot.py at 2018-06-07 09:34:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 391.38 Mbit/s
95th percentile per-packet one-way delay: 64.593 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 214.40 Mbit/s
95th percentile per-packet one-way delay: 64.837 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 211.91 Mbit/s
95th percentile per-packet one-way delay: 64.393 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 107.78 Mbit/s
95th percentile per-packet one-way delay: 63.308 ms
Loss rate: 0.00%
```

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

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

End at: 2018-06-07 06:37:36

Local clock offset: 0.4 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-06-07 09:35:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 263.98 Mbit/s

95th percentile per-packet one-way delay: 51.829 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 144.95 Mbit/s

95th percentile per-packet one-way delay: 52.153 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 175.89 Mbit/s

95th percentile per-packet one-way delay: 51.608 ms

Loss rate: 0.00%

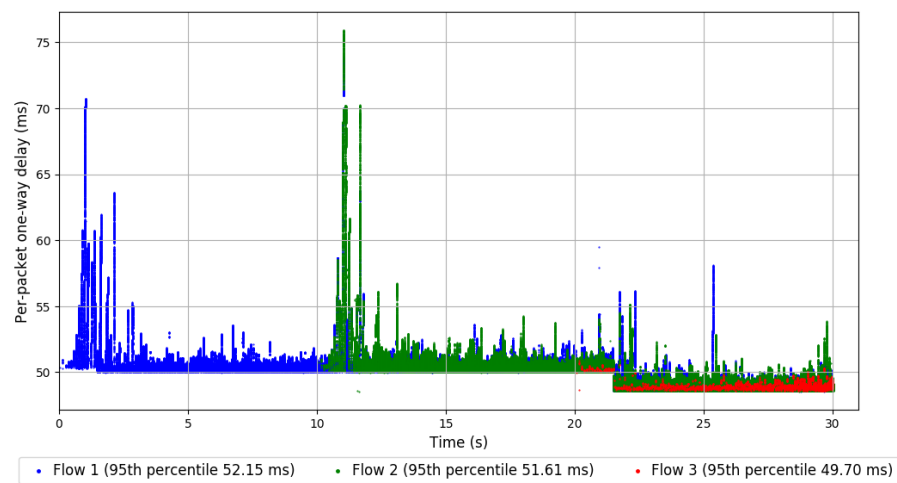
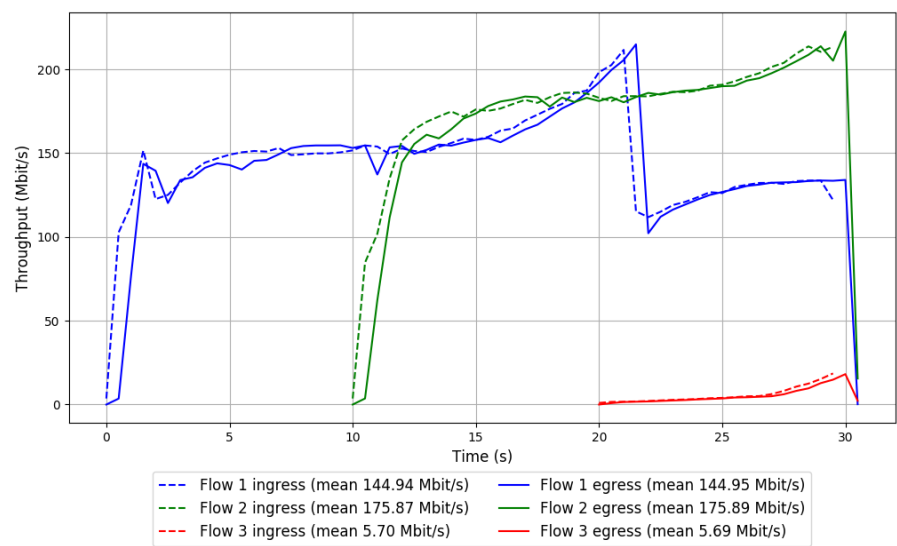
-- Flow 3:

Average throughput: 5.69 Mbit/s

95th percentile per-packet one-way delay: 49.699 ms

Loss rate: 0.11%

Run 5: Report of TCP Cubic — Data Link

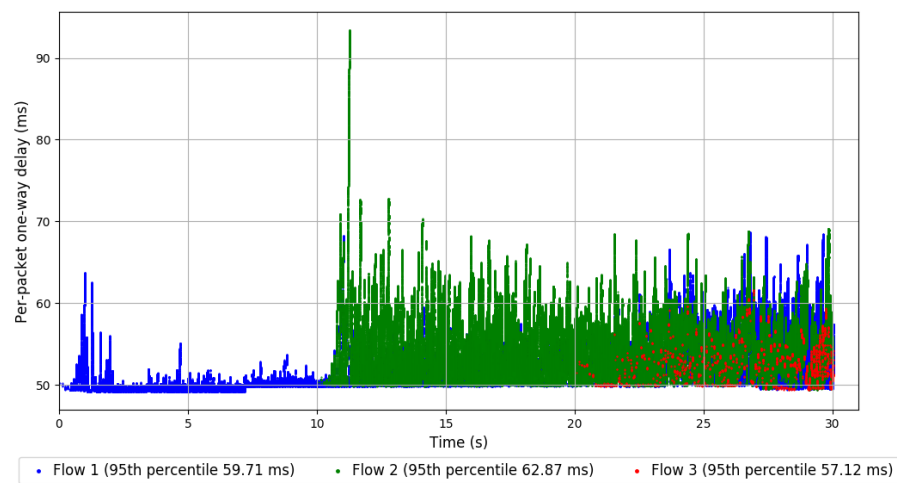
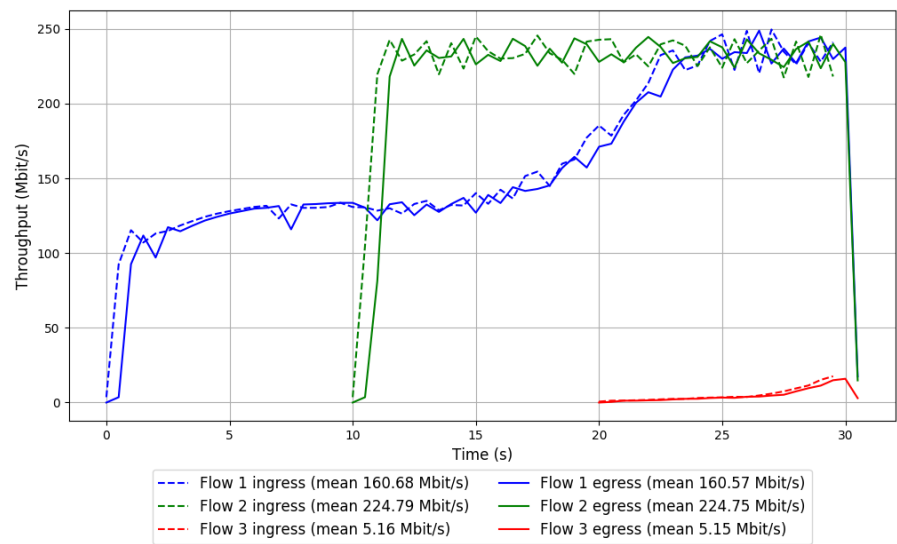


Run 6: Statistics of TCP Cubic

Start at: 2018-06-07 07:00:10
End at: 2018-06-07 07:00:40
Local clock offset: 0.38 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-06-07 09:36:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 311.85 Mbit/s
95th percentile per-packet one-way delay: 61.724 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 160.57 Mbit/s
95th percentile per-packet one-way delay: 59.706 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 224.75 Mbit/s
95th percentile per-packet one-way delay: 62.865 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.15 Mbit/s
95th percentile per-packet one-way delay: 57.123 ms
Loss rate: 0.19%

Run 6: Report of TCP Cubic — Data Link

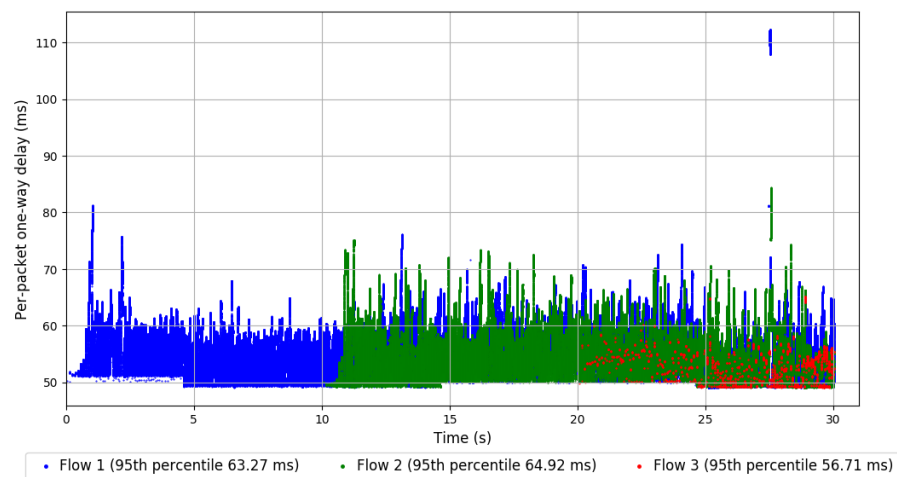
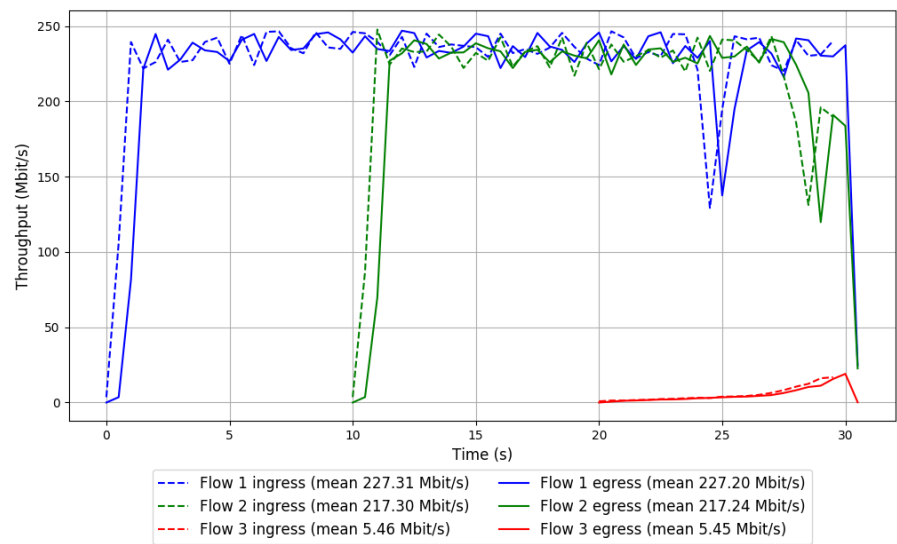


Run 7: Statistics of TCP Cubic

Start at: 2018-06-07 07:23:23
End at: 2018-06-07 07:23:53
Local clock offset: -0.344 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-06-07 09:38:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 373.73 Mbit/s
95th percentile per-packet one-way delay: 63.803 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 227.20 Mbit/s
95th percentile per-packet one-way delay: 63.275 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 217.24 Mbit/s
95th percentile per-packet one-way delay: 64.917 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.45 Mbit/s
95th percentile per-packet one-way delay: 56.711 ms
Loss rate: 0.13%

Run 7: Report of TCP Cubic — Data Link

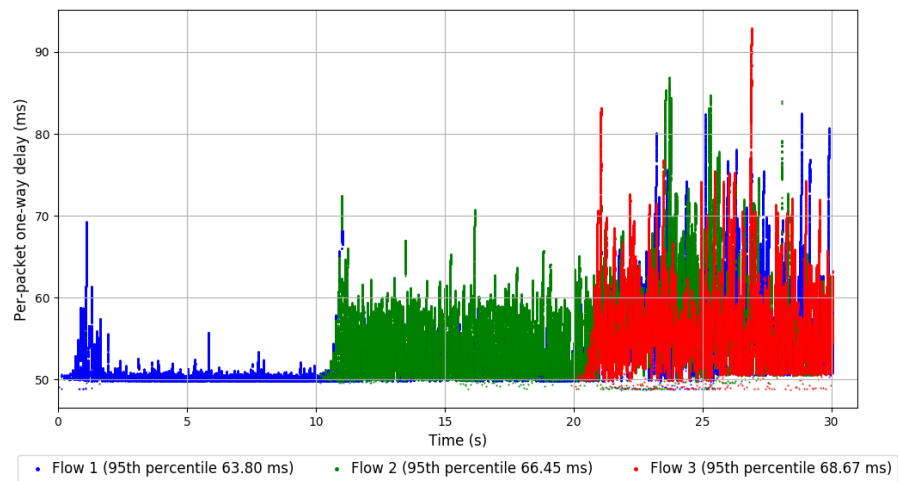
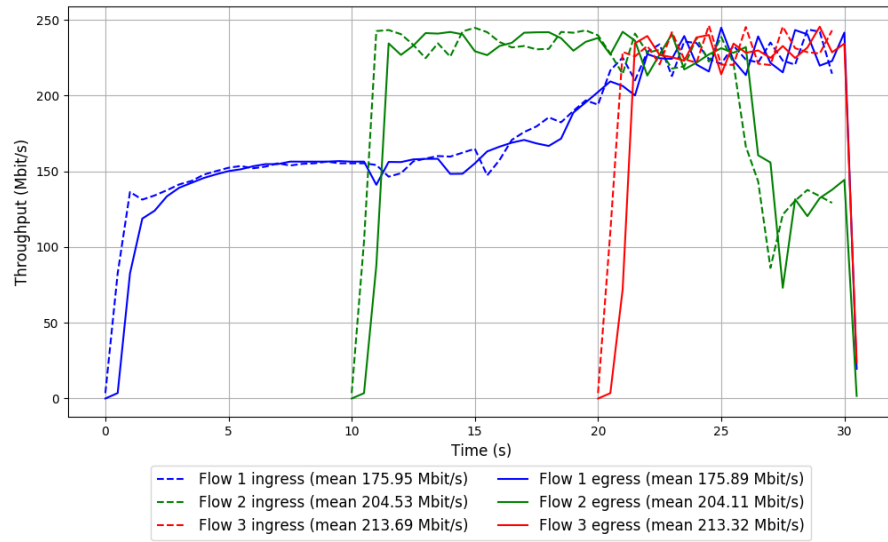


Run 8: Statistics of TCP Cubic

Start at: 2018-06-07 07:46:32
End at: 2018-06-07 07:47:02
Local clock offset: -0.01 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-06-07 09:38:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 382.53 Mbit/s
95th percentile per-packet one-way delay: 66.090 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 175.89 Mbit/s
95th percentile per-packet one-way delay: 63.796 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 204.11 Mbit/s
95th percentile per-packet one-way delay: 66.452 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 213.32 Mbit/s
95th percentile per-packet one-way delay: 68.673 ms
Loss rate: 0.07%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-06-07 08:09:45

End at: 2018-06-07 08:10:15

Local clock offset: 0.414 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-06-07 09:38:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 268.74 Mbit/s

95th percentile per-packet one-way delay: 59.836 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 231.38 Mbit/s

95th percentile per-packet one-way delay: 60.099 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 54.20 Mbit/s

95th percentile per-packet one-way delay: 55.782 ms

Loss rate: 0.01%

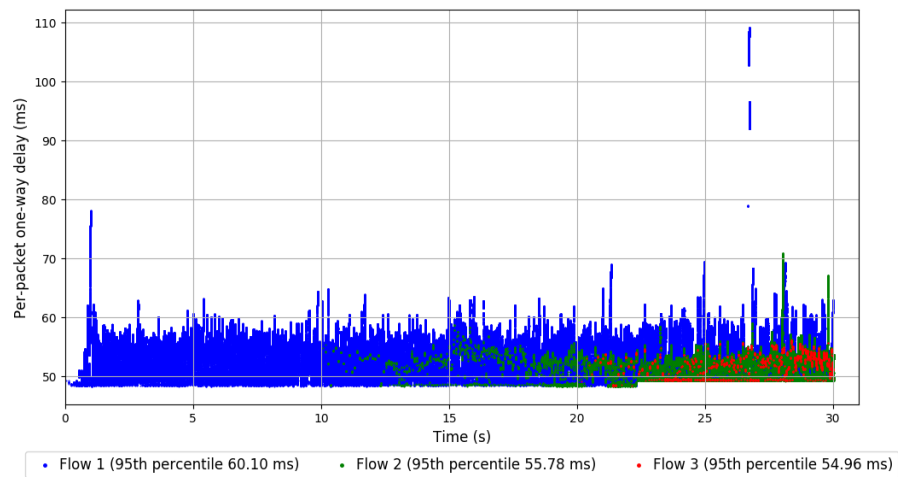
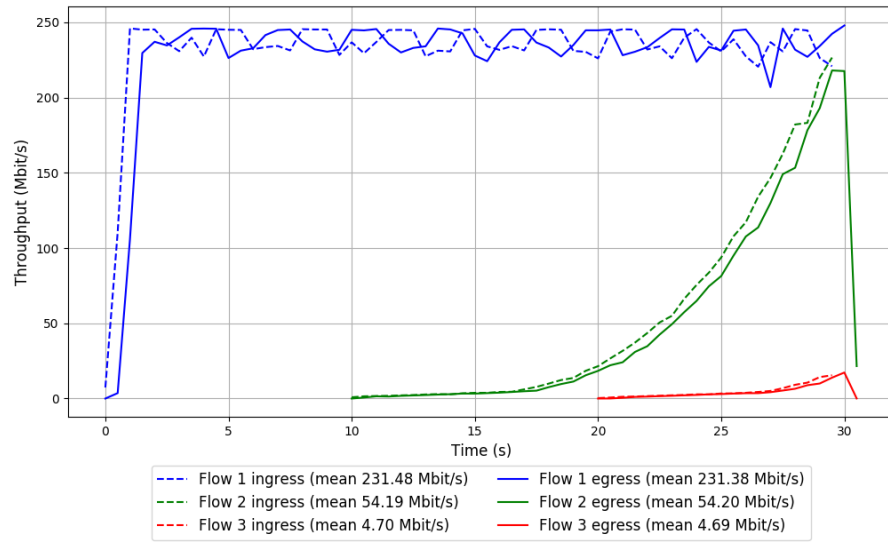
-- Flow 3:

Average throughput: 4.69 Mbit/s

95th percentile per-packet one-way delay: 54.959 ms

Loss rate: 0.26%

Run 9: Report of TCP Cubic — Data Link

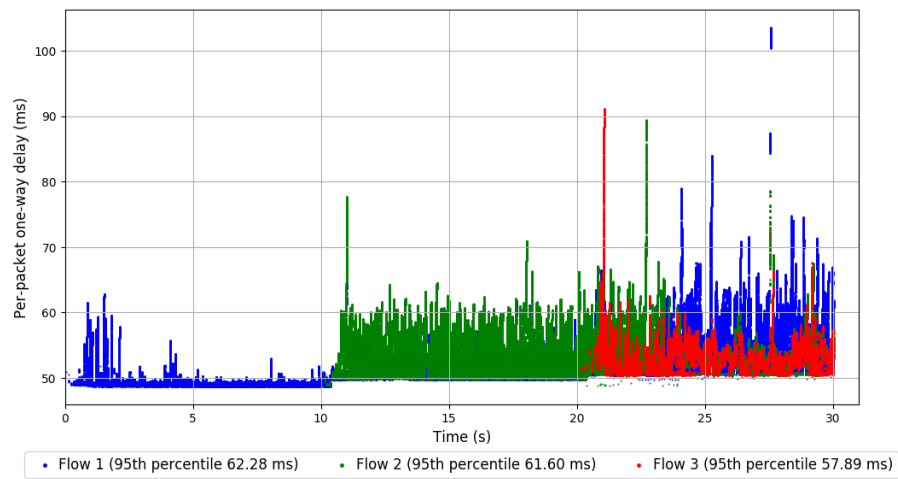
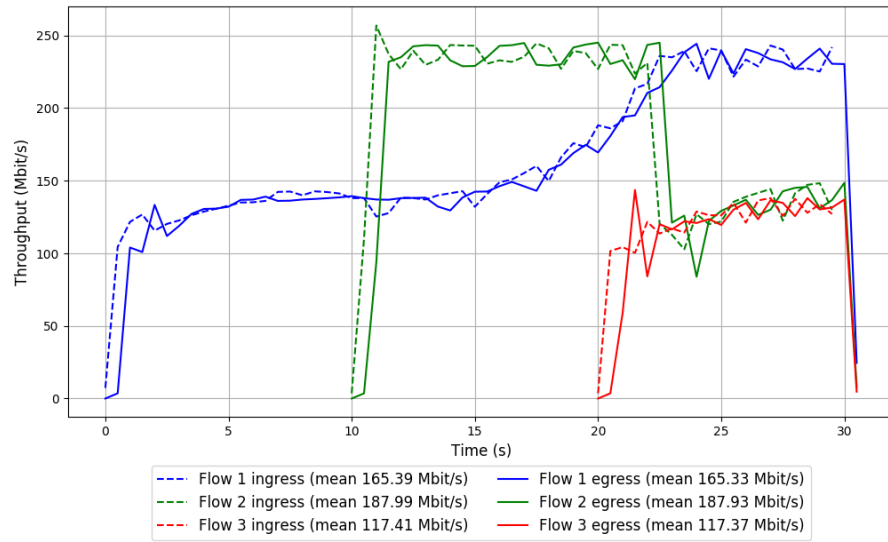


Run 10: Statistics of TCP Cubic

Start at: 2018-06-07 08:32:47
End at: 2018-06-07 08:33:17
Local clock offset: 0.045 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-06-07 09:38:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 329.52 Mbit/s
95th percentile per-packet one-way delay: 61.752 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 165.33 Mbit/s
95th percentile per-packet one-way delay: 62.279 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 187.93 Mbit/s
95th percentile per-packet one-way delay: 61.601 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 117.37 Mbit/s
95th percentile per-packet one-way delay: 57.891 ms
Loss rate: 0.02%

Run 10: Report of TCP Cubic — Data Link

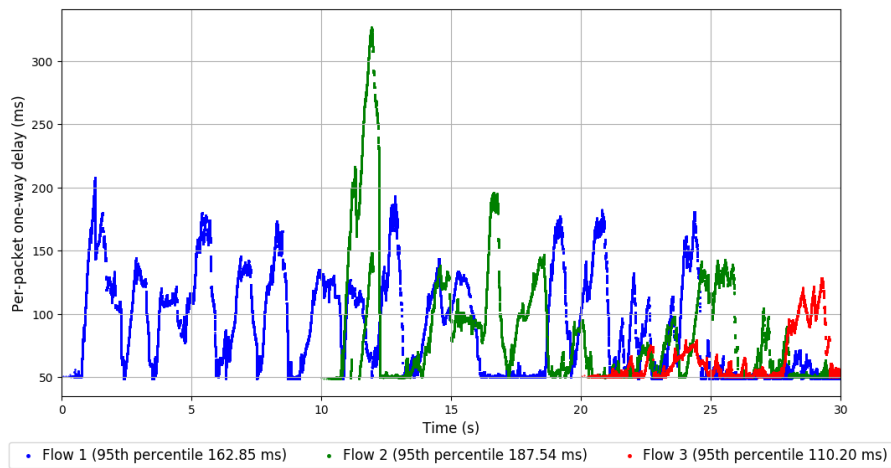
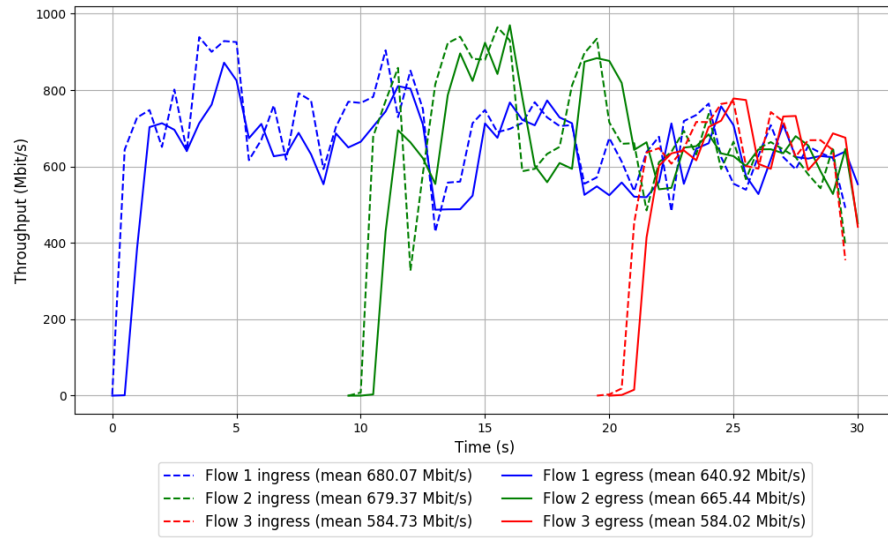


Run 1: Statistics of FillP

Start at: 2018-06-07 05:06:55
End at: 2018-06-07 05:07:25
Local clock offset: -0.076 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-06-07 09:58:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 1278.41 Mbit/s
95th percentile per-packet one-way delay: 161.620 ms
Loss rate: 3.66%
-- Flow 1:
Average throughput: 640.92 Mbit/s
95th percentile per-packet one-way delay: 162.850 ms
Loss rate: 5.76%
-- Flow 2:
Average throughput: 665.44 Mbit/s
95th percentile per-packet one-way delay: 187.543 ms
Loss rate: 2.05%
-- Flow 3:
Average throughput: 584.02 Mbit/s
95th percentile per-packet one-way delay: 110.202 ms
Loss rate: 0.07%

Run 1: Report of FillP — Data Link

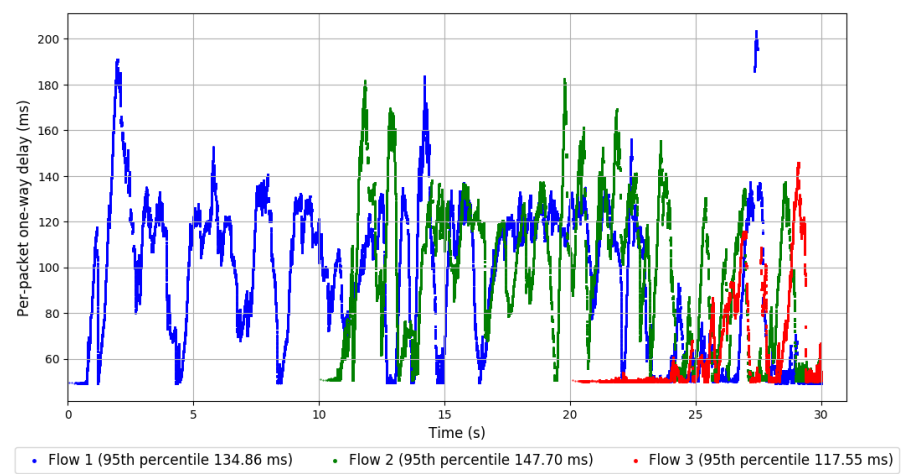
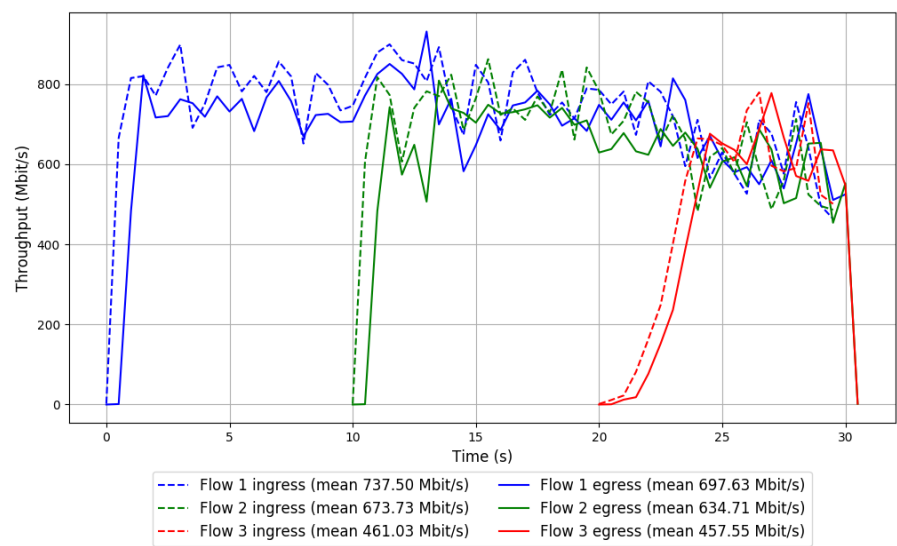


Run 2: Statistics of FillP

Start at: 2018-06-07 05:30:09
End at: 2018-06-07 05:30:39
Local clock offset: -0.362 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-06-07 09:58:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 1271.41 Mbit/s
95th percentile per-packet one-way delay: 137.827 ms
Loss rate: 5.00%
-- Flow 1:
Average throughput: 697.63 Mbit/s
95th percentile per-packet one-way delay: 134.857 ms
Loss rate: 5.40%
-- Flow 2:
Average throughput: 634.71 Mbit/s
95th percentile per-packet one-way delay: 147.701 ms
Loss rate: 5.79%
-- Flow 3:
Average throughput: 457.55 Mbit/s
95th percentile per-packet one-way delay: 117.554 ms
Loss rate: 0.75%

Run 2: Report of FillP — Data Link

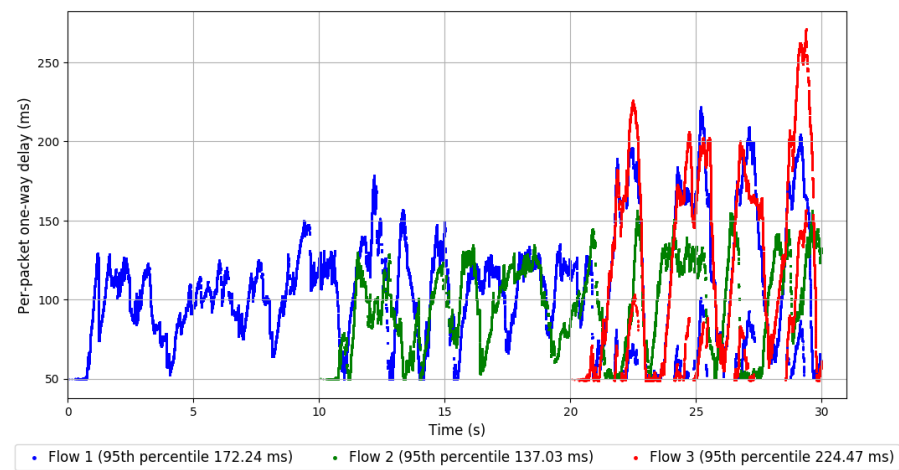
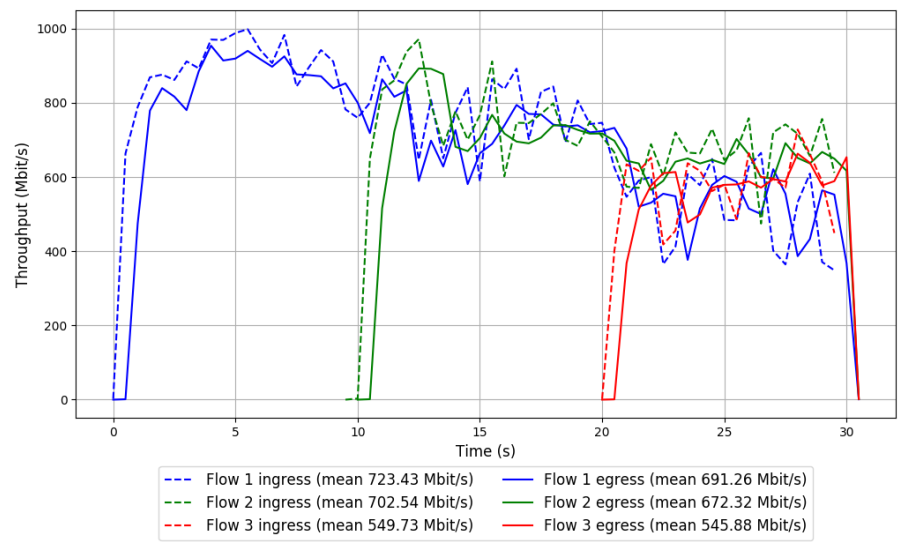


Run 3: Statistics of FillP

Start at: 2018-06-07 05:53:19
End at: 2018-06-07 05:53:49
Local clock offset: 0.076 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-06-07 10:00:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 1320.38 Mbit/s
95th percentile per-packet one-way delay: 181.142 ms
Loss rate: 3.85%
-- Flow 1:
Average throughput: 691.26 Mbit/s
95th percentile per-packet one-way delay: 172.241 ms
Loss rate: 4.41%
-- Flow 2:
Average throughput: 672.32 Mbit/s
95th percentile per-packet one-way delay: 137.025 ms
Loss rate: 4.26%
-- Flow 3:
Average throughput: 545.88 Mbit/s
95th percentile per-packet one-way delay: 224.470 ms
Loss rate: 0.61%

Run 3: Report of FillP — Data Link

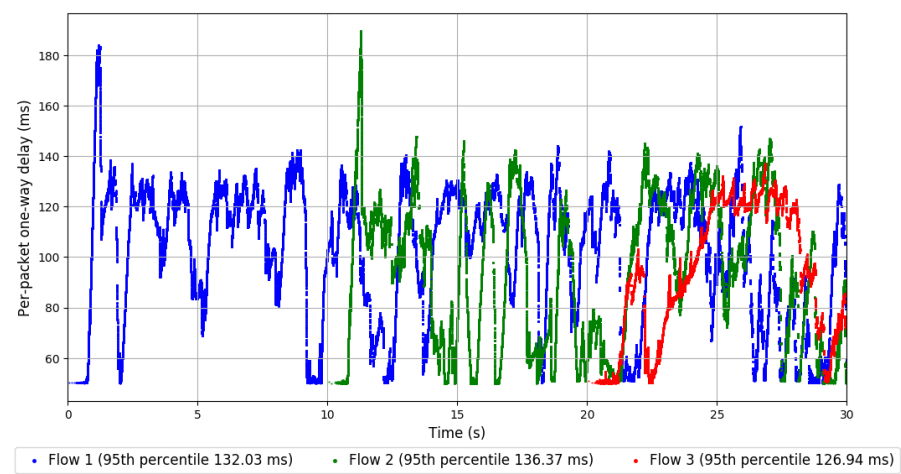
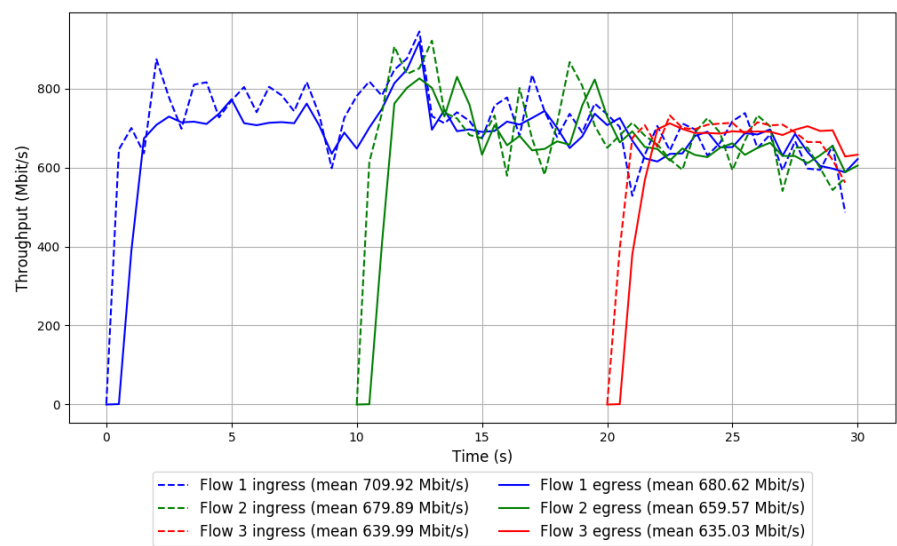


Run 4: Statistics of FillP

Start at: 2018-06-07 06:16:29
End at: 2018-06-07 06:16:59
Local clock offset: -0.326 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-06-07 10:02:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 1330.08 Mbit/s
95th percentile per-packet one-way delay: 132.877 ms
Loss rate: 3.22%
-- Flow 1:
Average throughput: 680.62 Mbit/s
95th percentile per-packet one-way delay: 132.029 ms
Loss rate: 4.10%
-- Flow 2:
Average throughput: 659.57 Mbit/s
95th percentile per-packet one-way delay: 136.370 ms
Loss rate: 2.99%
-- Flow 3:
Average throughput: 635.03 Mbit/s
95th percentile per-packet one-way delay: 126.942 ms
Loss rate: 0.77%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-06-07 06:39:35

End at: 2018-06-07 06:40:05

Local clock offset: 0.351 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-06-07 10:03:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 1353.90 Mbit/s

95th percentile per-packet one-way delay: 148.510 ms

Loss rate: 3.97%

-- Flow 1:

Average throughput: 679.84 Mbit/s

95th percentile per-packet one-way delay: 159.659 ms

Loss rate: 5.31%

-- Flow 2:

Average throughput: 730.44 Mbit/s

95th percentile per-packet one-way delay: 124.015 ms

Loss rate: 2.33%

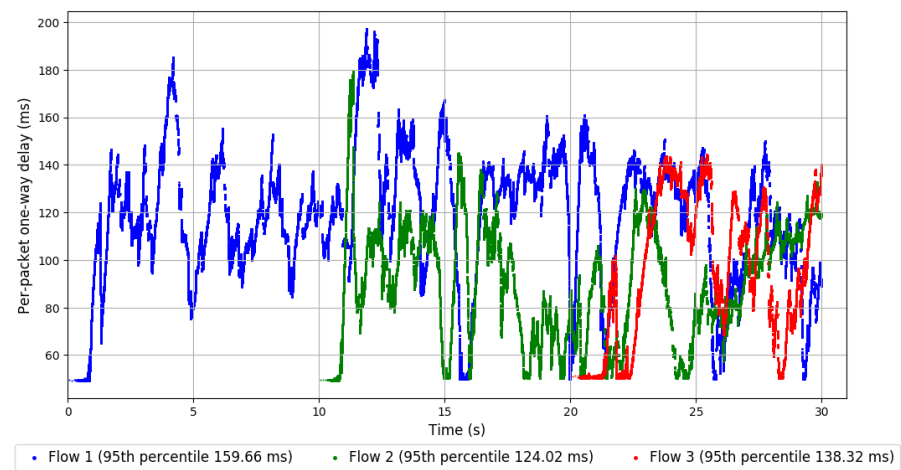
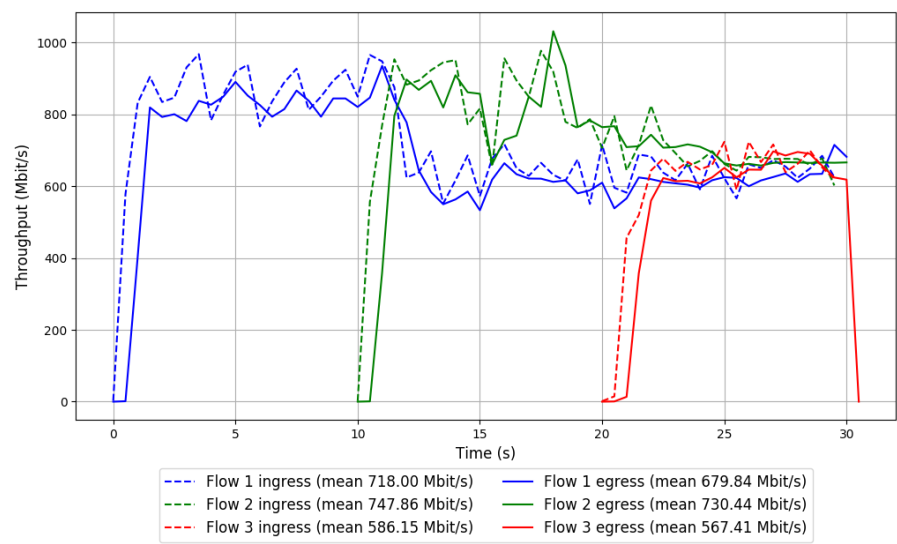
-- Flow 3:

Average throughput: 567.41 Mbit/s

95th percentile per-packet one-way delay: 138.322 ms

Loss rate: 3.20%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-06-07 07:02:42

End at: 2018-06-07 07:03:12

Local clock offset: 0.351 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-06-07 10:03:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 1233.26 Mbit/s

95th percentile per-packet one-way delay: 222.158 ms

Loss rate: 5.06%

-- Flow 1:

Average throughput: 582.40 Mbit/s

95th percentile per-packet one-way delay: 219.813 ms

Loss rate: 6.17%

-- Flow 2:

Average throughput: 705.68 Mbit/s

95th percentile per-packet one-way delay: 141.079 ms

Loss rate: 4.14%

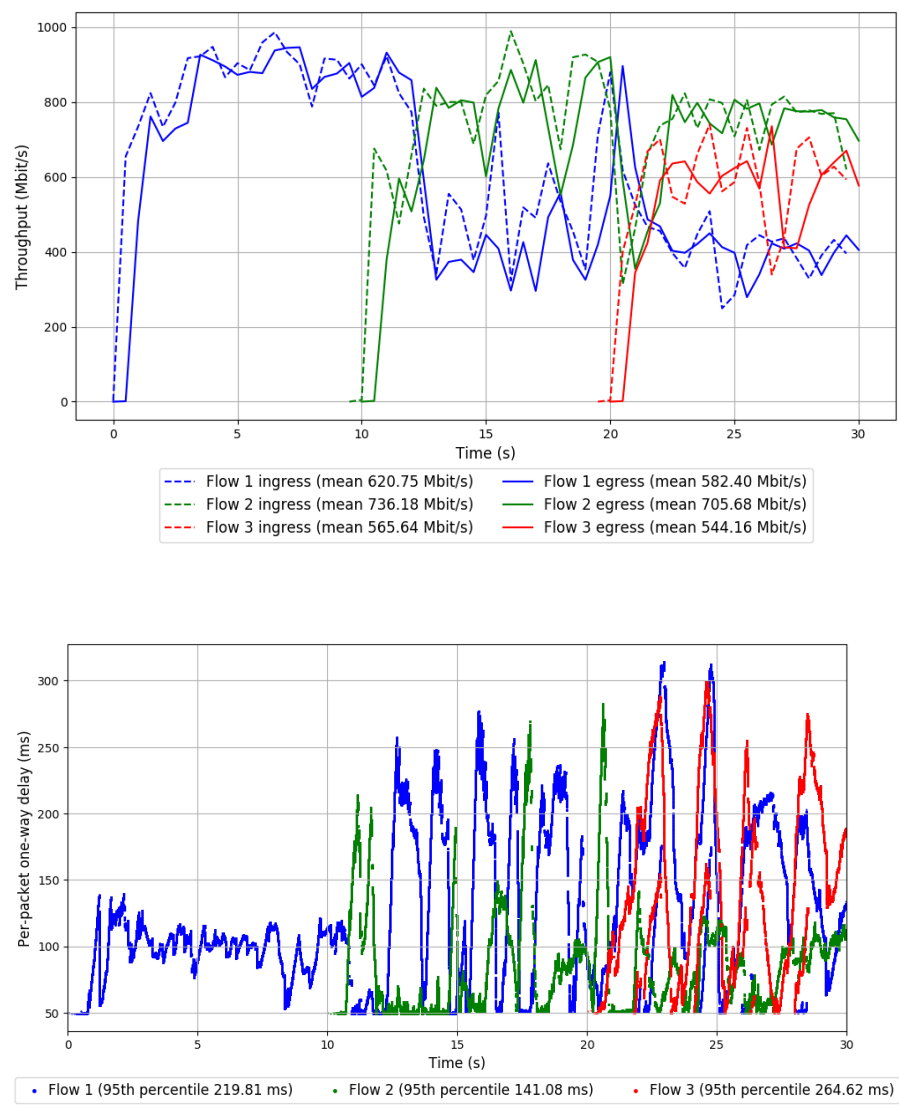
-- Flow 3:

Average throughput: 544.16 Mbit/s

95th percentile per-packet one-way delay: 264.617 ms

Loss rate: 3.80%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-06-07 07:25:58

End at: 2018-06-07 07:26:28

Local clock offset: 0.386 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-06-07 10:04:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 1364.91 Mbit/s

95th percentile per-packet one-way delay: 189.390 ms

Loss rate: 3.04%

-- Flow 1:

Average throughput: 750.32 Mbit/s

95th percentile per-packet one-way delay: 184.551 ms

Loss rate: 3.06%

-- Flow 2:

Average throughput: 658.89 Mbit/s

95th percentile per-packet one-way delay: 177.630 ms

Loss rate: 3.57%

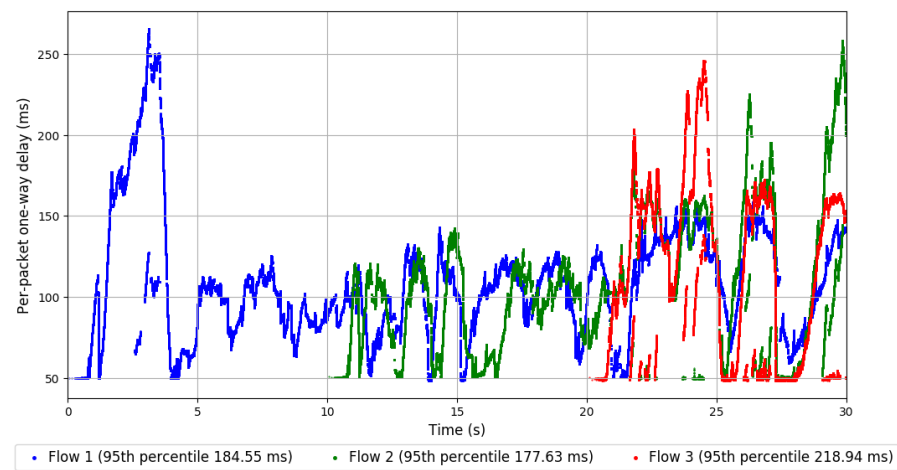
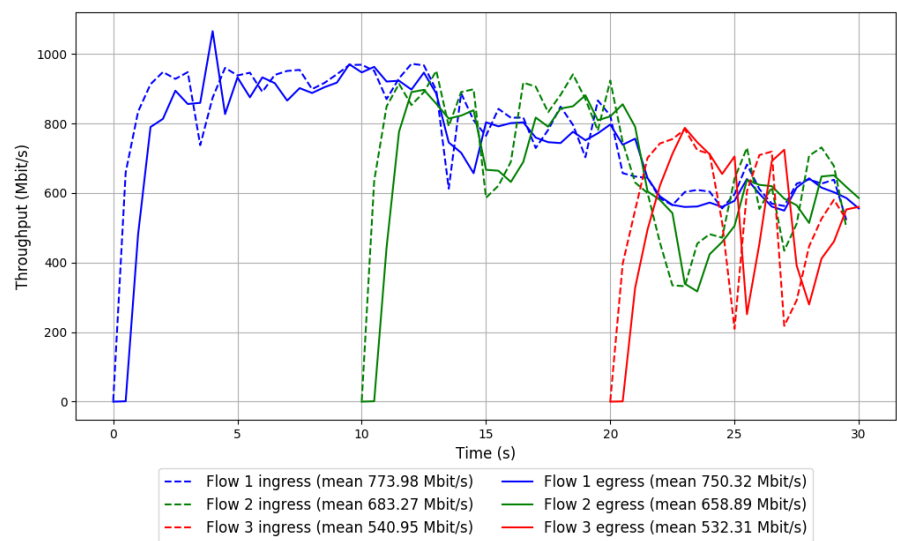
-- Flow 3:

Average throughput: 532.31 Mbit/s

95th percentile per-packet one-way delay: 218.937 ms

Loss rate: 1.62%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-06-07 07:49:08

End at: 2018-06-07 07:49:38

Local clock offset: -0.013 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-06-07 10:04:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 1326.52 Mbit/s

95th percentile per-packet one-way delay: 176.322 ms

Loss rate: 3.67%

-- Flow 1:

Average throughput: 727.08 Mbit/s

95th percentile per-packet one-way delay: 137.194 ms

Loss rate: 4.68%

-- Flow 2:

Average throughput: 656.21 Mbit/s

95th percentile per-packet one-way delay: 181.810 ms

Loss rate: 2.77%

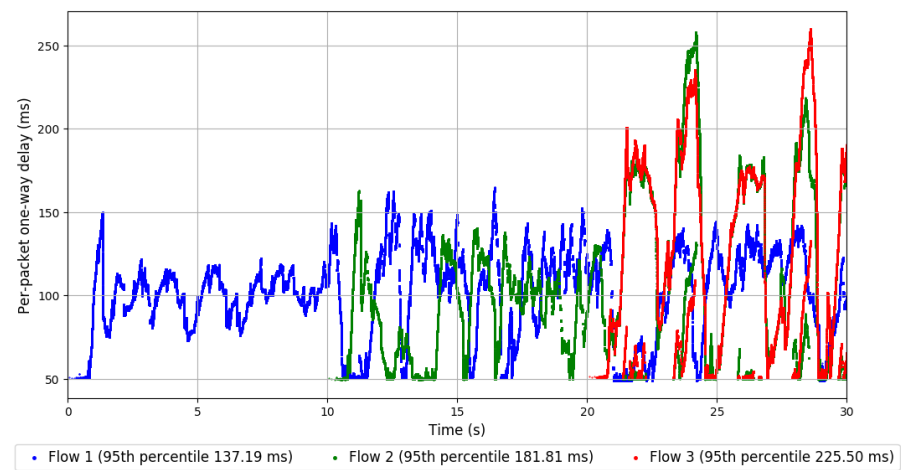
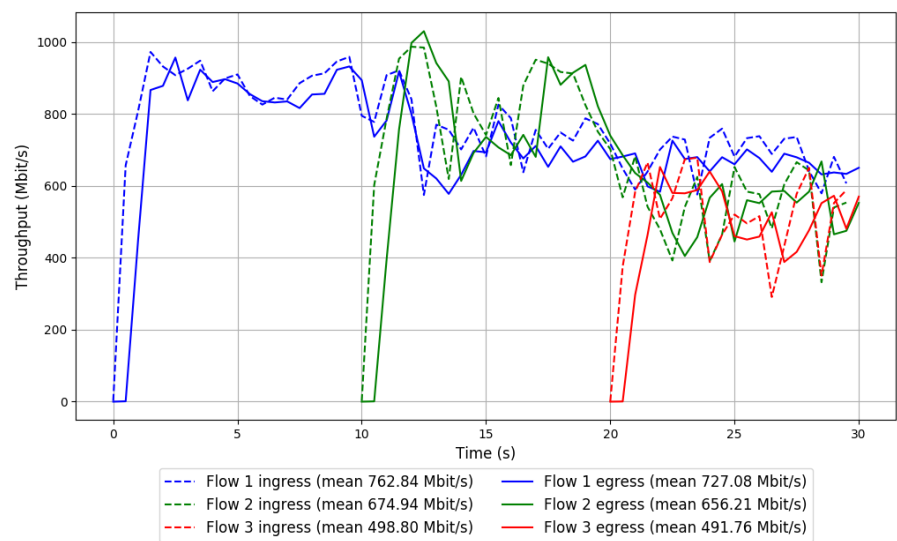
-- Flow 3:

Average throughput: 491.76 Mbit/s

95th percentile per-packet one-way delay: 225.504 ms

Loss rate: 1.41%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-06-07 08:12:15

End at: 2018-06-07 08:12:45

Local clock offset: 0.02 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-06-07 10:25:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 1307.21 Mbit/s

95th percentile per-packet one-way delay: 177.053 ms

Loss rate: 3.41%

-- Flow 1:

Average throughput: 684.93 Mbit/s

95th percentile per-packet one-way delay: 168.866 ms

Loss rate: 4.01%

-- Flow 2:

Average throughput: 664.26 Mbit/s

95th percentile per-packet one-way delay: 135.593 ms

Loss rate: 3.05%

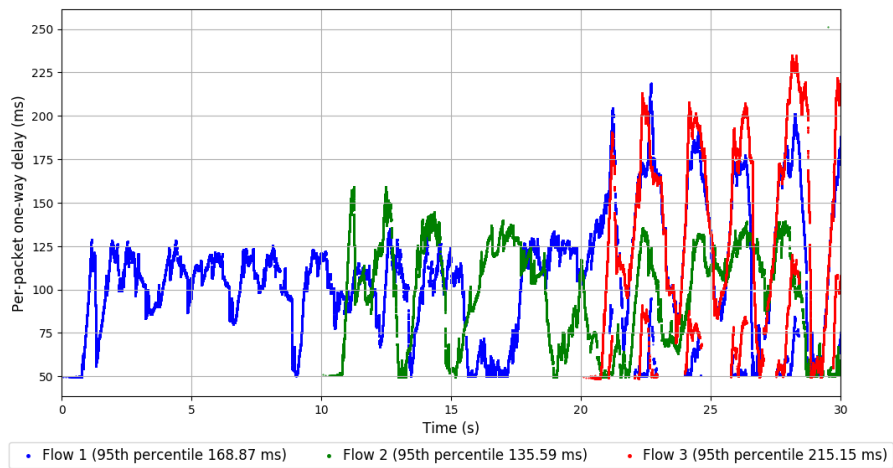
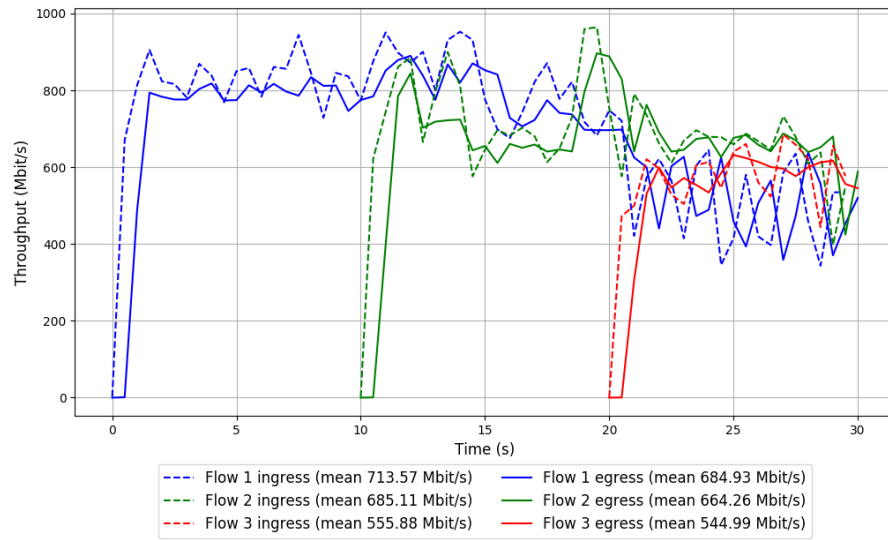
-- Flow 3:

Average throughput: 544.99 Mbit/s

95th percentile per-packet one-way delay: 215.150 ms

Loss rate: 1.95%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-06-07 08:35:20

End at: 2018-06-07 08:35:50

Local clock offset: 0.442 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-06-07 10:27:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 1415.25 Mbit/s

95th percentile per-packet one-way delay: 133.569 ms

Loss rate: 3.64%

-- Flow 1:

Average throughput: 747.23 Mbit/s

95th percentile per-packet one-way delay: 133.031 ms

Loss rate: 4.28%

-- Flow 2:

Average throughput: 680.95 Mbit/s

95th percentile per-packet one-way delay: 137.315 ms

Loss rate: 3.20%

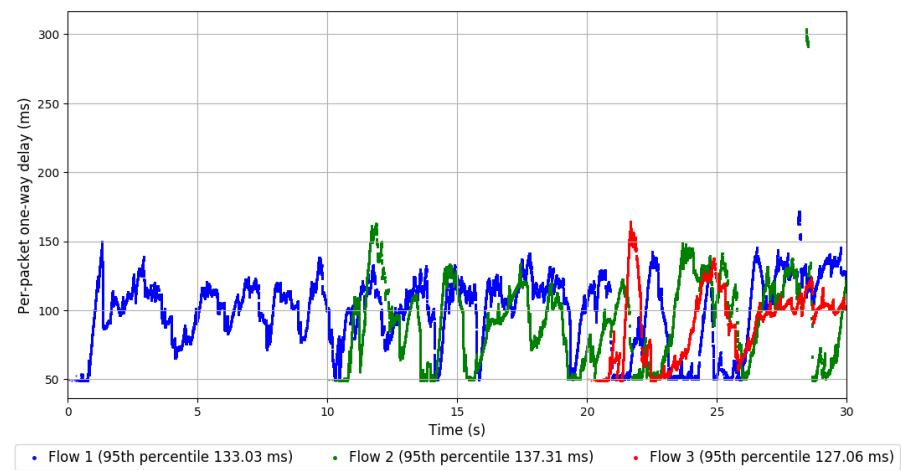
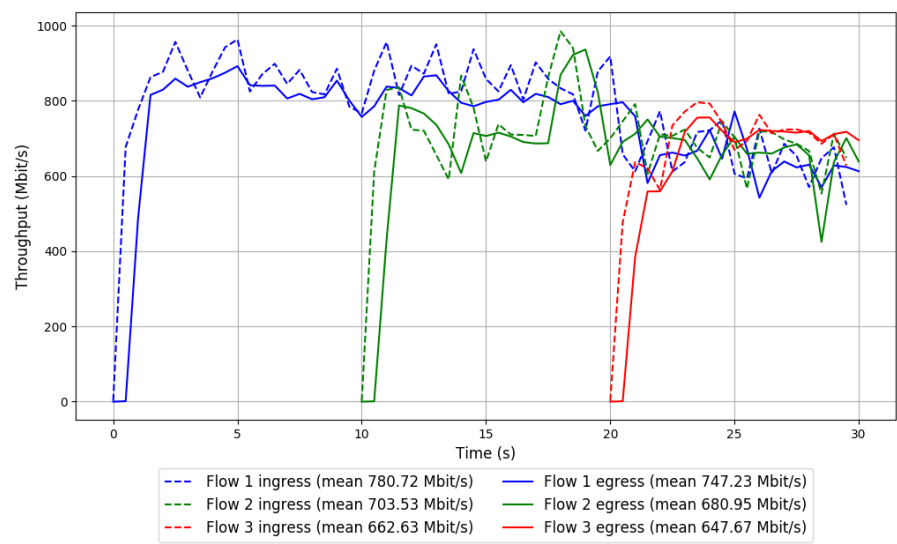
-- Flow 3:

Average throughput: 647.67 Mbit/s

95th percentile per-packet one-way delay: 127.058 ms

Loss rate: 2.25%

Run 10: Report of FillP — Data Link

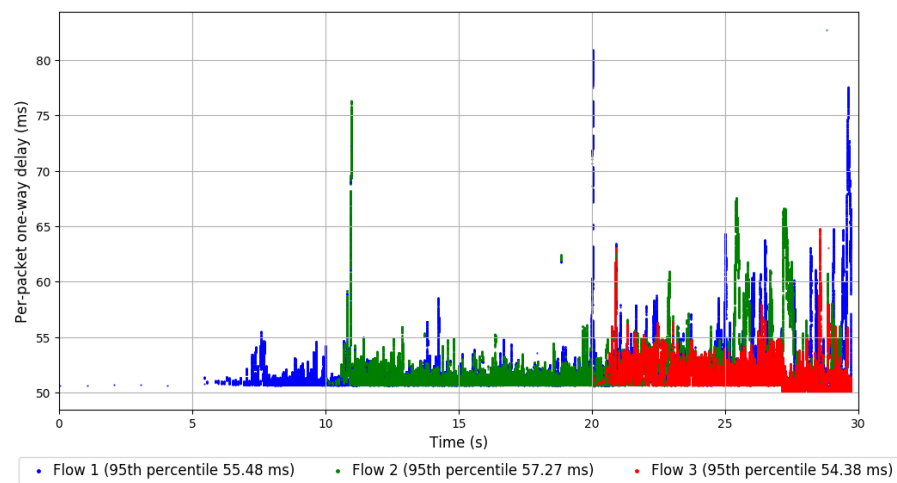
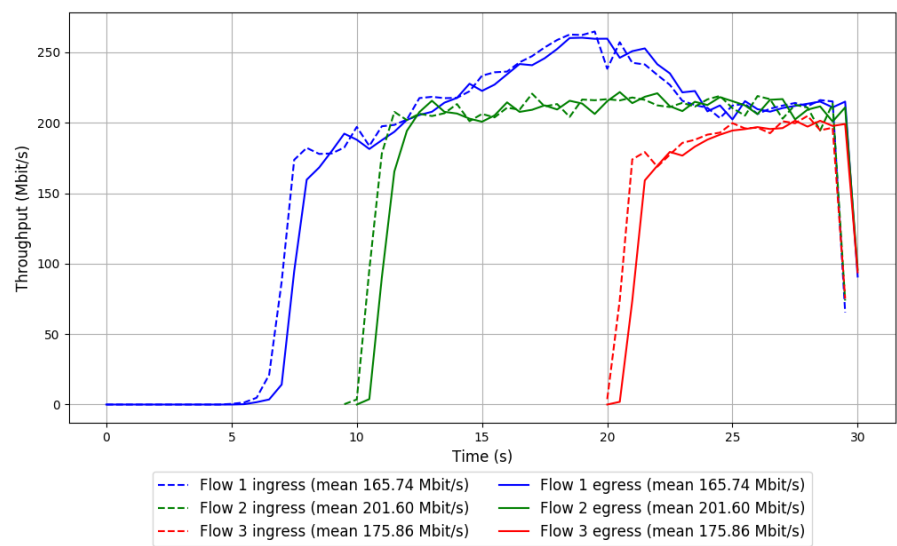


Run 1: Statistics of Indigo

Start at: 2018-06-07 05:15:30
End at: 2018-06-07 05:16:00
Local clock offset: -0.053 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-06-07 10:27:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 356.69 Mbit/s
95th percentile per-packet one-way delay: 55.642 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 165.74 Mbit/s
95th percentile per-packet one-way delay: 55.476 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 201.60 Mbit/s
95th percentile per-packet one-way delay: 57.266 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 175.86 Mbit/s
95th percentile per-packet one-way delay: 54.382 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

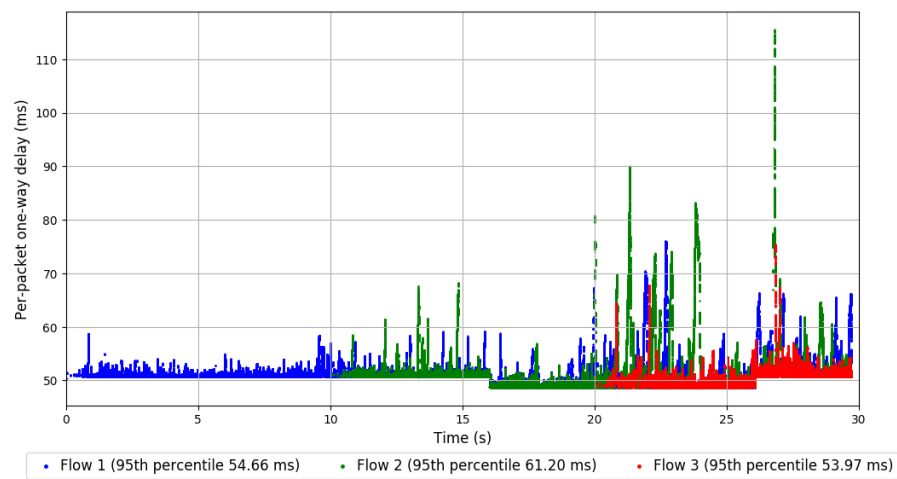
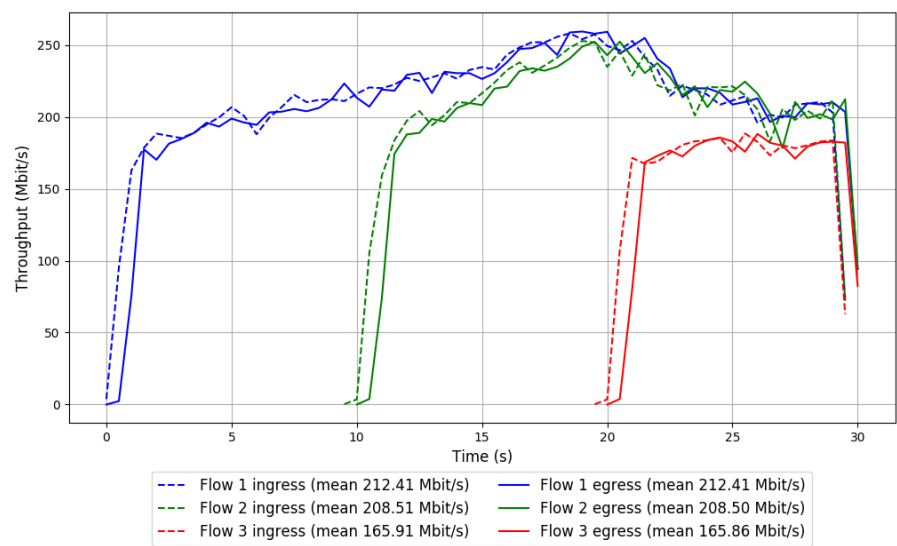


Run 2: Statistics of Indigo

Start at: 2018-06-07 05:38:51
End at: 2018-06-07 05:39:21
Local clock offset: 0.068 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-06-07 10:27:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 404.87 Mbit/s
95th percentile per-packet one-way delay: 56.029 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 212.41 Mbit/s
95th percentile per-packet one-way delay: 54.662 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 208.50 Mbit/s
95th percentile per-packet one-way delay: 61.203 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 165.86 Mbit/s
95th percentile per-packet one-way delay: 53.974 ms
Loss rate: 0.01%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-06-07 06:01:58

End at: 2018-06-07 06:02:28

Local clock offset: 0.452 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-06-07 10:27:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 419.05 Mbit/s

95th percentile per-packet one-way delay: 55.842 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 226.20 Mbit/s

95th percentile per-packet one-way delay: 54.111 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 201.25 Mbit/s

95th percentile per-packet one-way delay: 57.826 ms

Loss rate: 0.00%

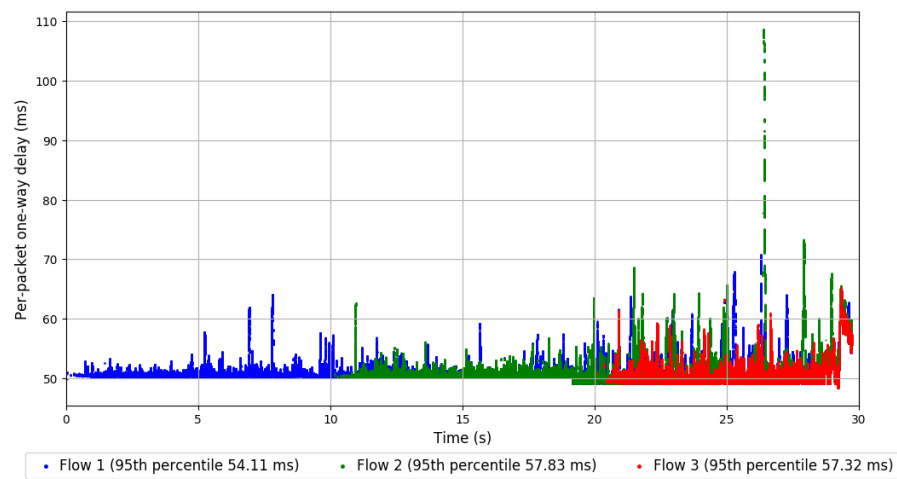
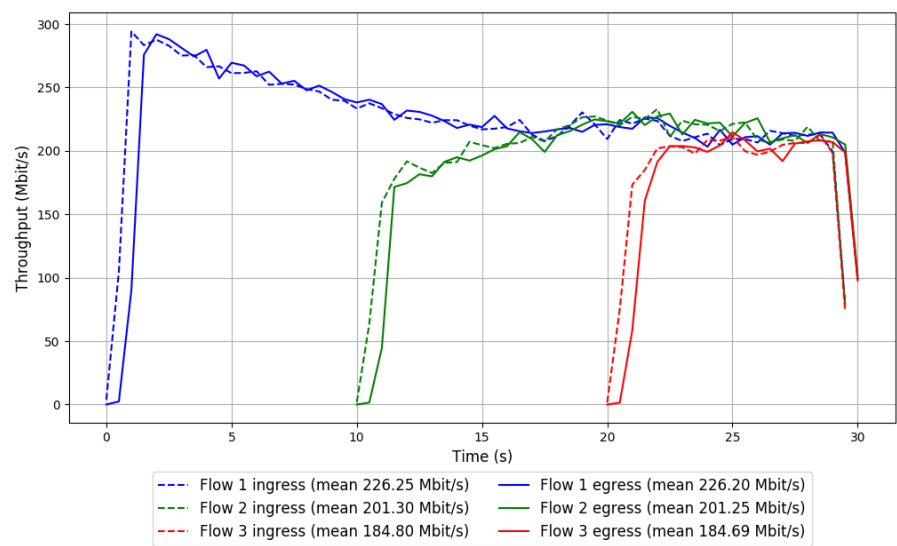
-- Flow 3:

Average throughput: 184.69 Mbit/s

95th percentile per-packet one-way delay: 57.319 ms

Loss rate: 0.01%

Run 3: Report of Indigo — Data Link

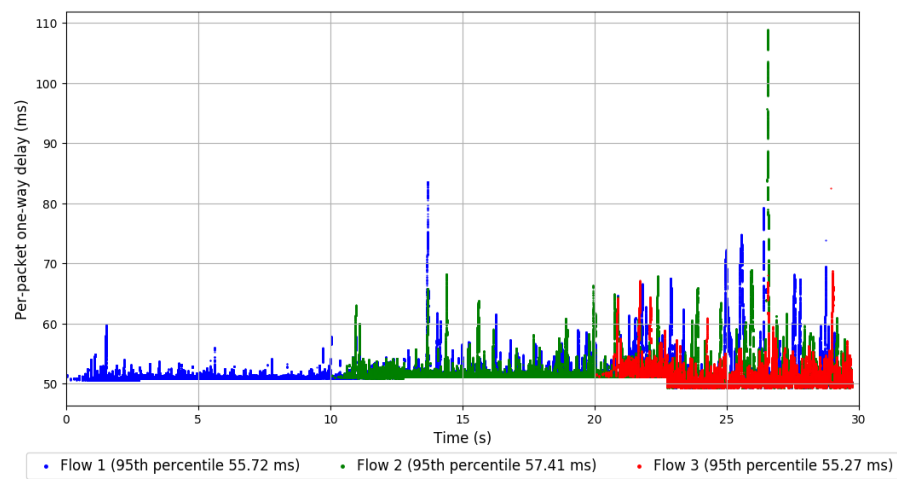
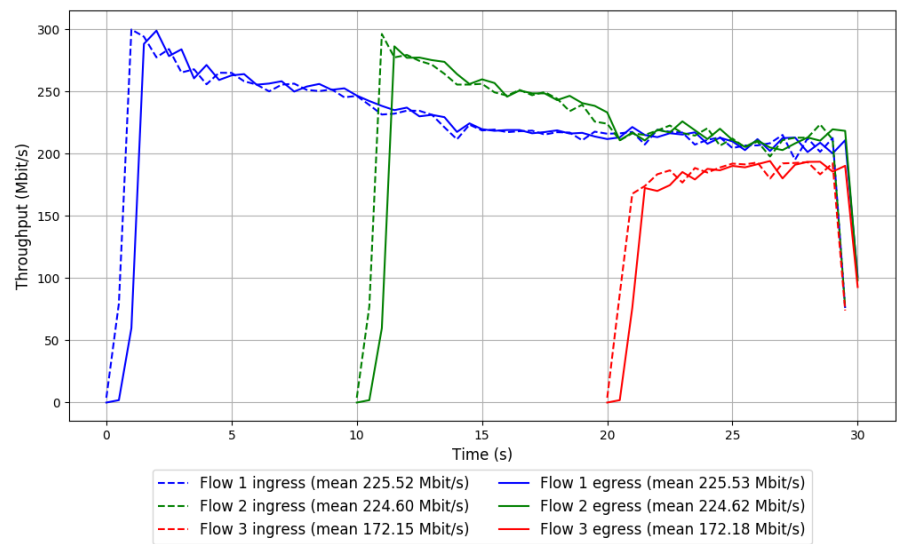


Run 4: Statistics of Indigo

Start at: 2018-06-07 06:25:14
End at: 2018-06-07 06:25:44
Local clock offset: -0.334 ms
Remote clock offset: -0.041 ms

```
# Below is generated by plot.py at 2018-06-07 10:27:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 430.41 Mbit/s
95th percentile per-packet one-way delay: 56.252 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 225.53 Mbit/s
95th percentile per-packet one-way delay: 55.719 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 224.62 Mbit/s
95th percentile per-packet one-way delay: 57.411 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 172.18 Mbit/s
95th percentile per-packet one-way delay: 55.271 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo — Data Link

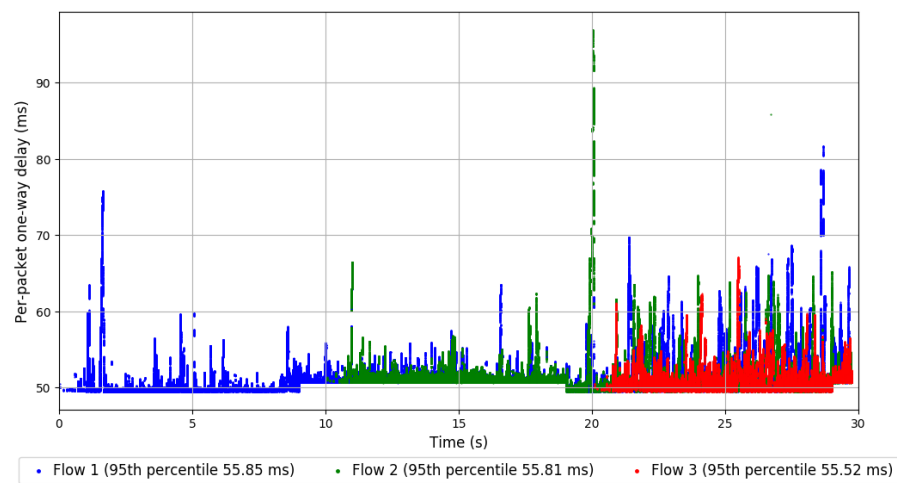
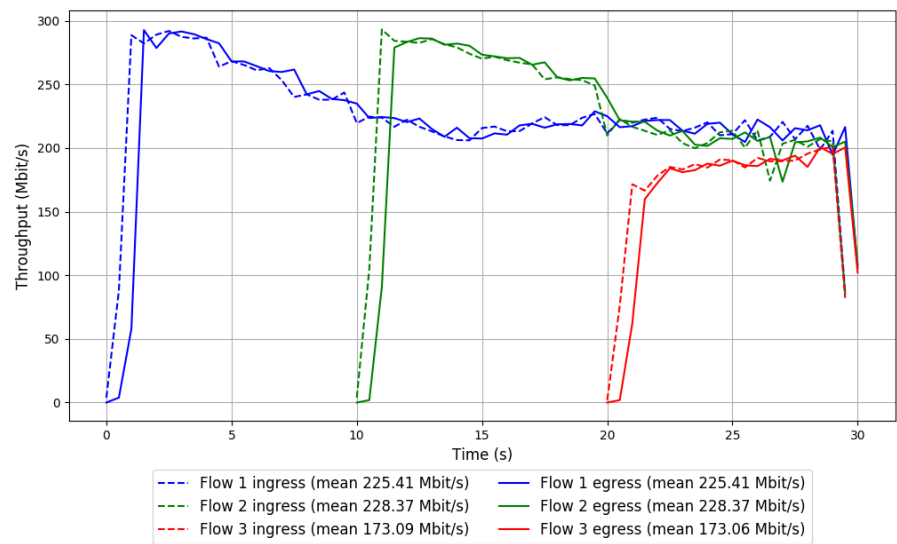


Run 5: Statistics of Indigo

Start at: 2018-06-07 06:48:18
End at: 2018-06-07 06:48:48
Local clock offset: -0.011 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-06-07 10:27:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 433.07 Mbit/s
95th percentile per-packet one-way delay: 55.776 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 225.41 Mbit/s
95th percentile per-packet one-way delay: 55.846 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 228.37 Mbit/s
95th percentile per-packet one-way delay: 55.814 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 173.06 Mbit/s
95th percentile per-packet one-way delay: 55.518 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-06-07 07:11:27

End at: 2018-06-07 07:11:57

Local clock offset: -0.016 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-06-07 10:27:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 417.39 Mbit/s

95th percentile per-packet one-way delay: 56.025 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 225.91 Mbit/s

95th percentile per-packet one-way delay: 55.151 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 206.67 Mbit/s

95th percentile per-packet one-way delay: 57.305 ms

Loss rate: 0.00%

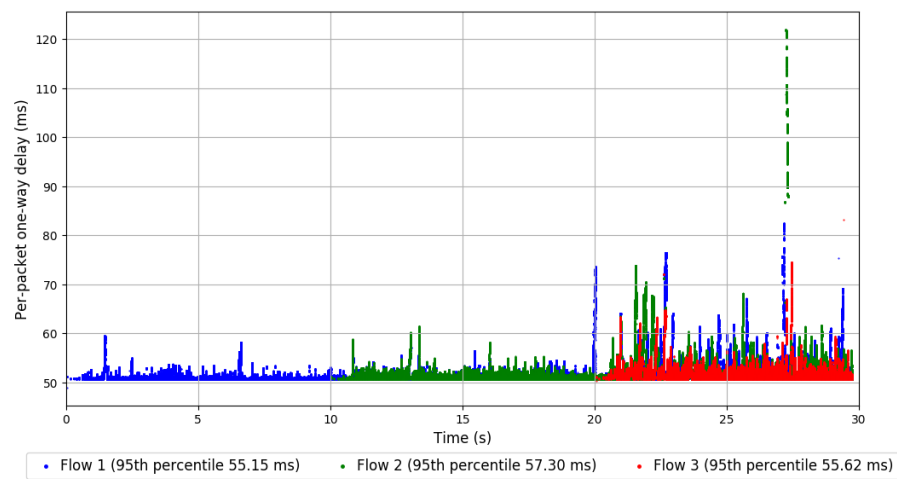
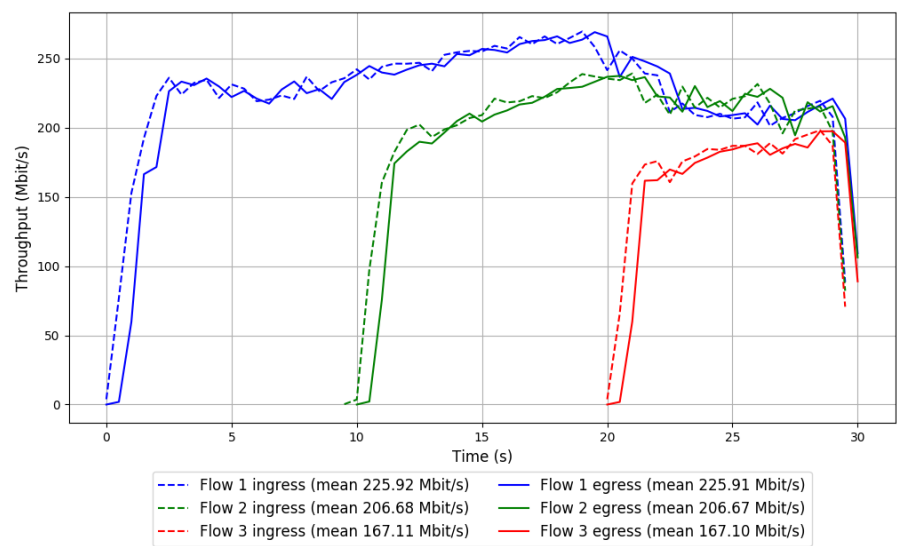
-- Flow 3:

Average throughput: 167.10 Mbit/s

95th percentile per-packet one-way delay: 55.623 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

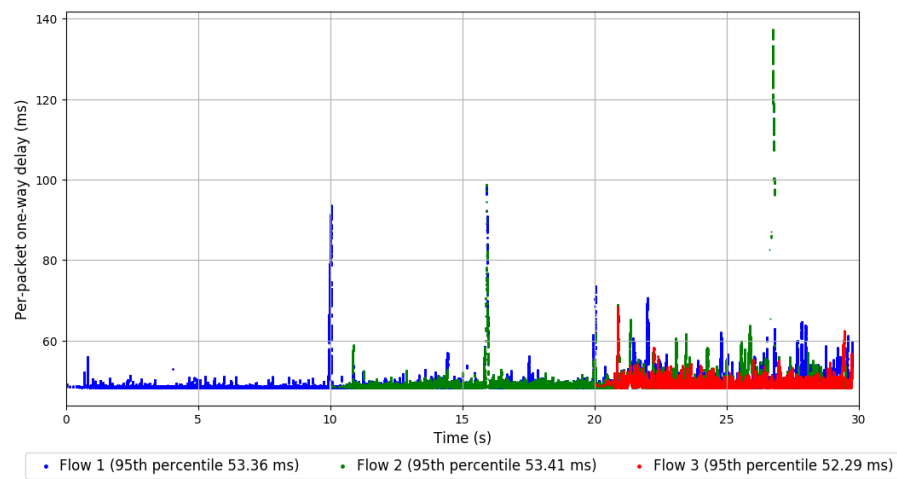
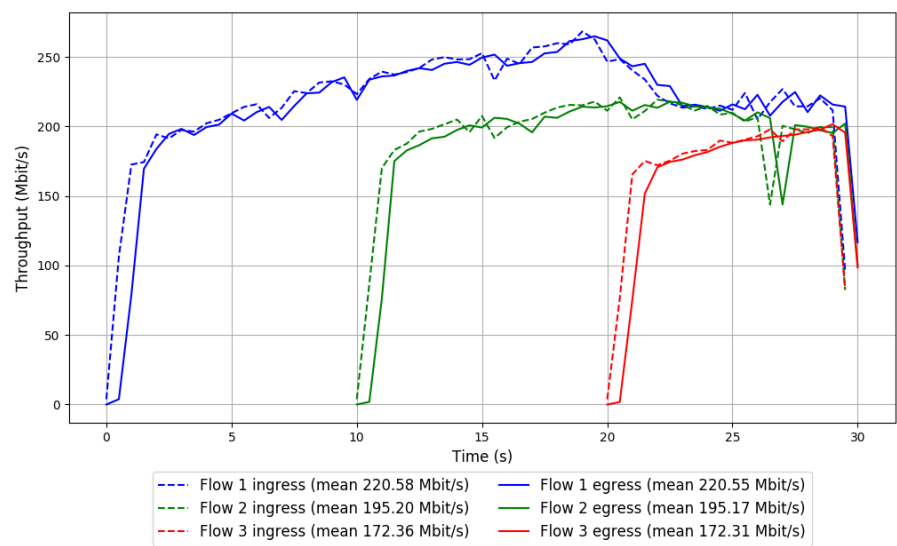


Run 7: Statistics of Indigo

Start at: 2018-06-07 07:34:36
End at: 2018-06-07 07:35:06
Local clock offset: 0.388 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-06-07 10:27:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 405.93 Mbit/s
95th percentile per-packet one-way delay: 53.102 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 220.55 Mbit/s
95th percentile per-packet one-way delay: 53.364 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 195.17 Mbit/s
95th percentile per-packet one-way delay: 53.410 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 172.31 Mbit/s
95th percentile per-packet one-way delay: 52.293 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

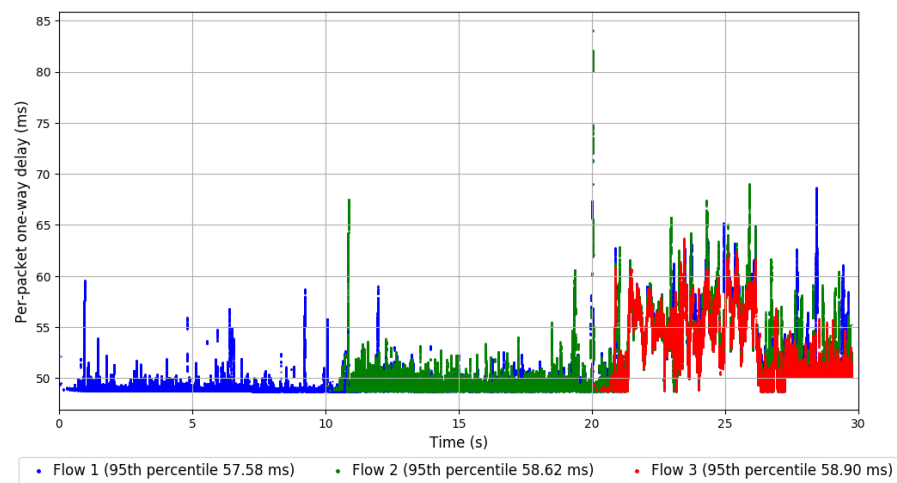
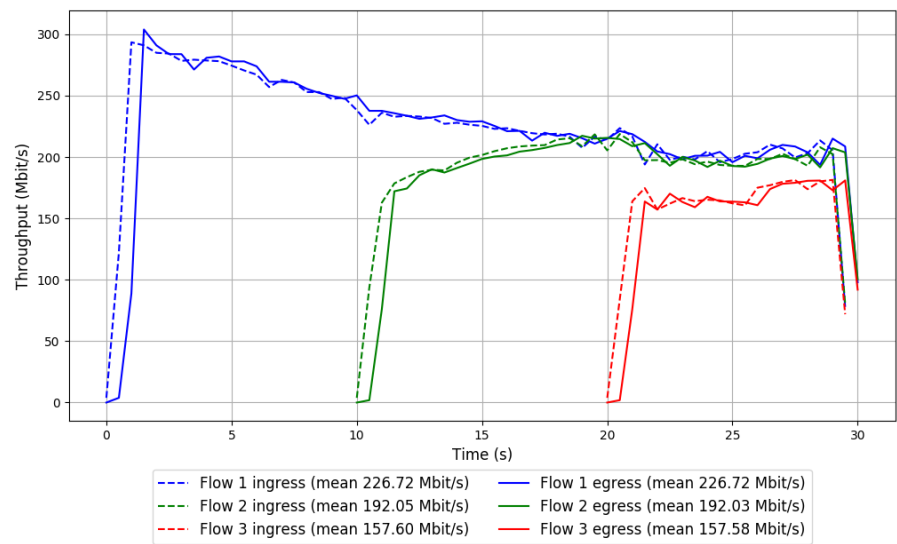


Run 8: Statistics of Indigo

Start at: 2018-06-07 07:57:50
End at: 2018-06-07 07:58:20
Local clock offset: -0.025 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-06-07 10:27:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 405.21 Mbit/s
95th percentile per-packet one-way delay: 58.213 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 226.72 Mbit/s
95th percentile per-packet one-way delay: 57.577 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 192.03 Mbit/s
95th percentile per-packet one-way delay: 58.625 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 157.58 Mbit/s
95th percentile per-packet one-way delay: 58.897 ms
Loss rate: 0.01%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-06-07 08:20:54

End at: 2018-06-07 08:21:24

Local clock offset: 0.028 ms

Remote clock offset: 0.134 ms

Below is generated by plot.py at 2018-06-07 10:27:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 409.69 Mbit/s

95th percentile per-packet one-way delay: 55.451 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 210.14 Mbit/s

95th percentile per-packet one-way delay: 54.331 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 219.08 Mbit/s

95th percentile per-packet one-way delay: 56.499 ms

Loss rate: 0.00%

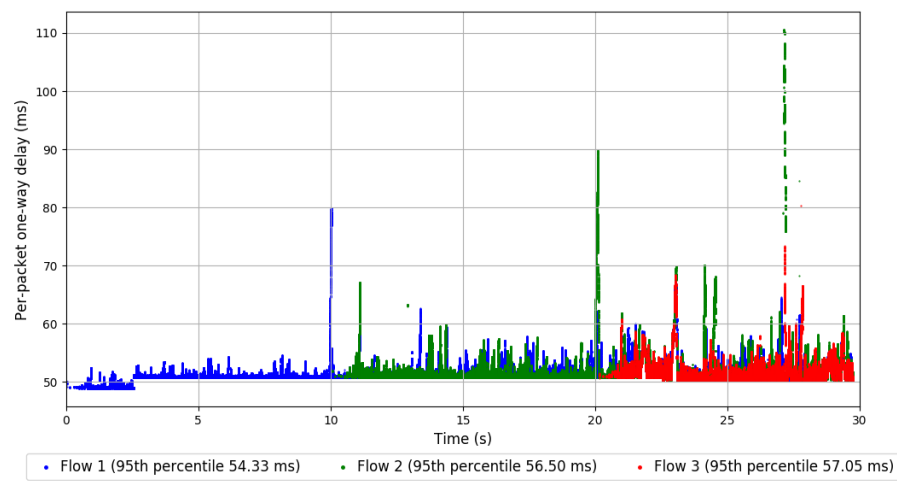
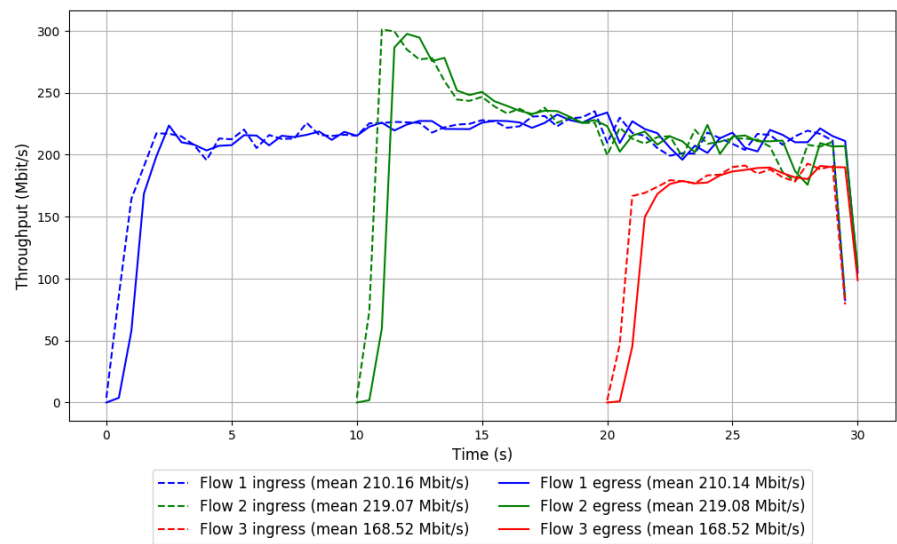
-- Flow 3:

Average throughput: 168.52 Mbit/s

95th percentile per-packet one-way delay: 57.046 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-06-07 08:44:10

End at: 2018-06-07 08:44:40

Local clock offset: -0.324 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-06-07 10:27:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 429.42 Mbit/s

95th percentile per-packet one-way delay: 57.537 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 223.80 Mbit/s

95th percentile per-packet one-way delay: 57.341 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 228.28 Mbit/s

95th percentile per-packet one-way delay: 58.070 ms

Loss rate: 0.00%

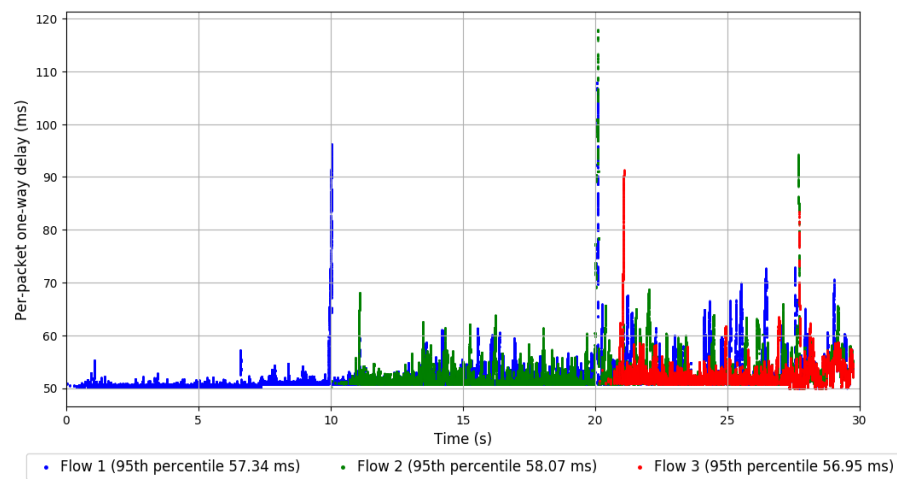
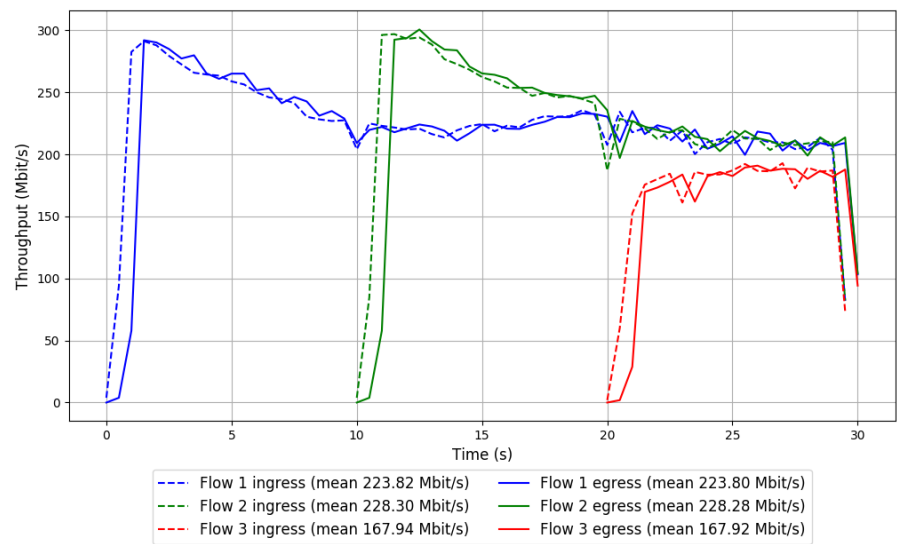
-- Flow 3:

Average throughput: 167.92 Mbit/s

95th percentile per-packet one-way delay: 56.950 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

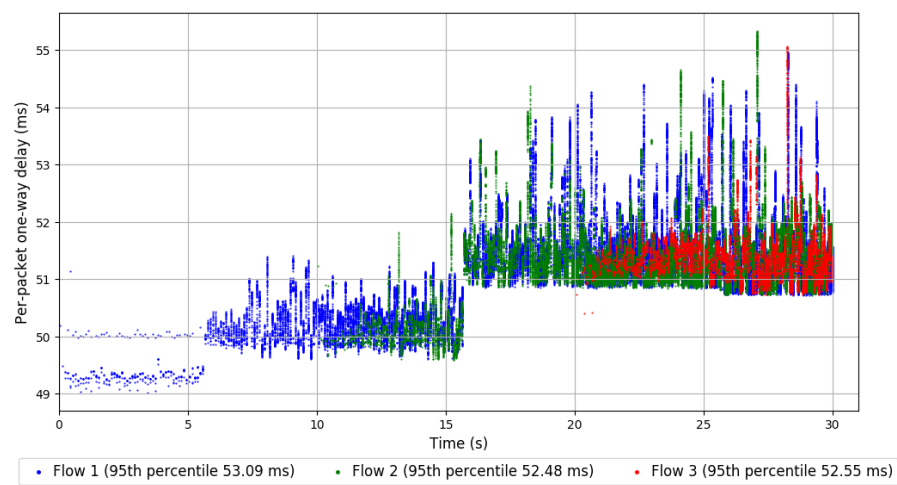
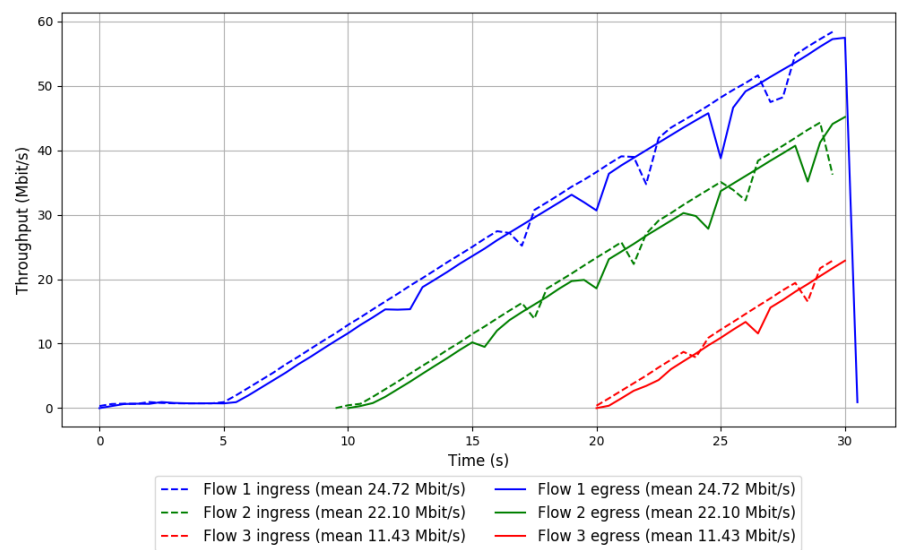


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-07 05:11:42
End at: 2018-06-07 05:12:12
Local clock offset: -0.079 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2018-06-07 10:27:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 43.18 Mbit/s
95th percentile per-packet one-way delay: 52.954 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 53.089 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 22.10 Mbit/s
95th percentile per-packet one-way delay: 52.481 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.43 Mbit/s
95th percentile per-packet one-way delay: 52.550 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

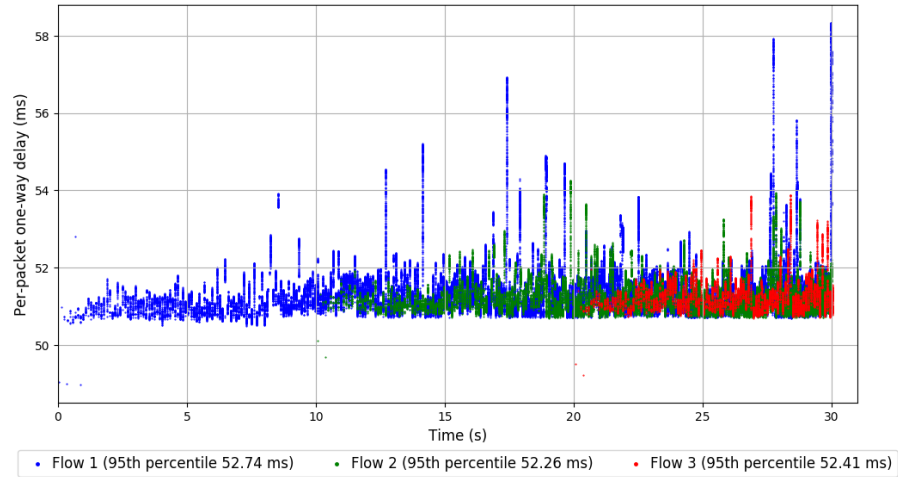
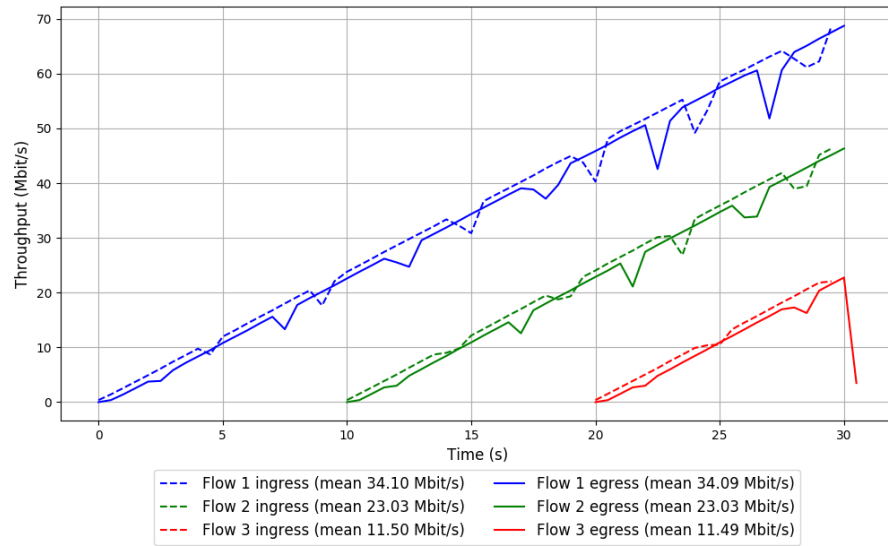


Run 2: Statistics of LEDBAT

Start at: 2018-06-07 05:34:59
End at: 2018-06-07 05:35:29
Local clock offset: 0.037 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-06-07 10:27:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.16 Mbit/s
95th percentile per-packet one-way delay: 52.501 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 34.09 Mbit/s
95th percentile per-packet one-way delay: 52.742 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 23.03 Mbit/s
95th percentile per-packet one-way delay: 52.258 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.49 Mbit/s
95th percentile per-packet one-way delay: 52.408 ms
Loss rate: 0.12%

Run 2: Report of LEDBAT — Data Link

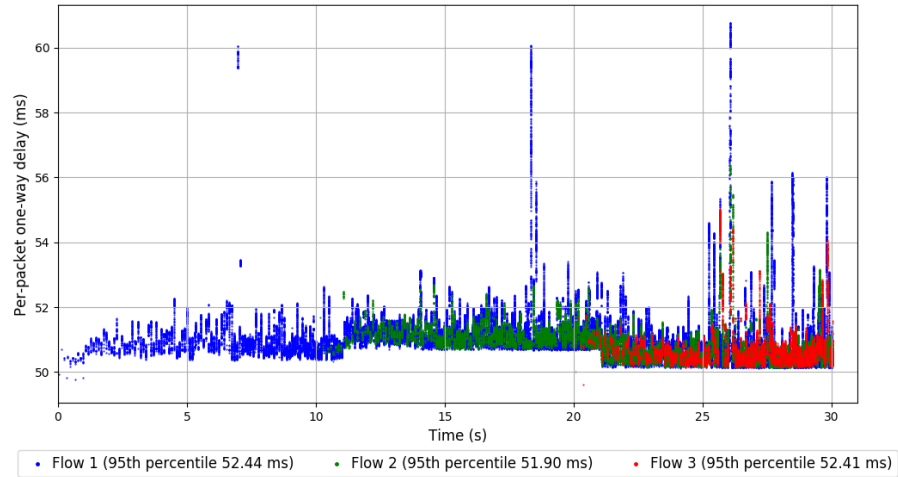
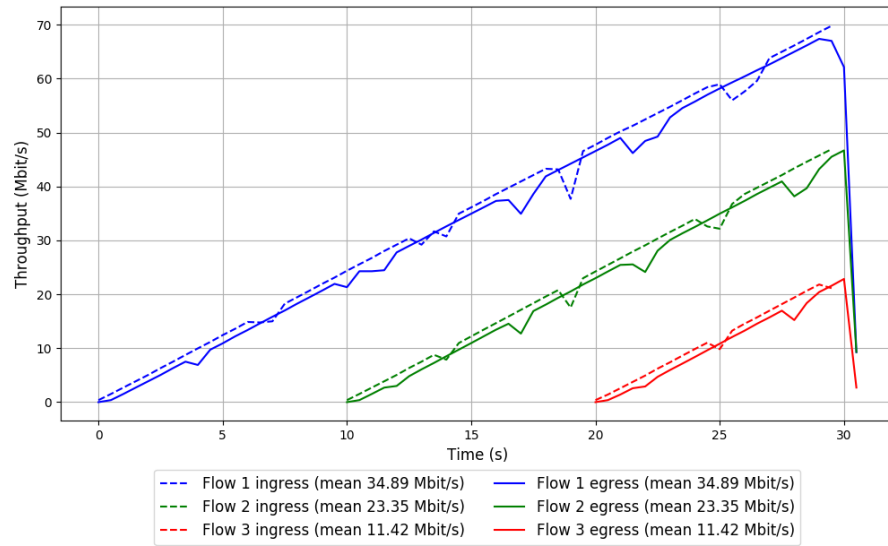


Run 3: Statistics of LEDBAT

Start at: 2018-06-07 05:58:06
End at: 2018-06-07 05:58:36
Local clock offset: 0.115 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-06-07 10:27:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.21 Mbit/s
95th percentile per-packet one-way delay: 52.309 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 34.89 Mbit/s
95th percentile per-packet one-way delay: 52.443 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 23.35 Mbit/s
95th percentile per-packet one-way delay: 51.903 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 11.42 Mbit/s
95th percentile per-packet one-way delay: 52.405 ms
Loss rate: 0.02%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-06-07 06:21:22

End at: 2018-06-07 06:21:52

Local clock offset: 0.041 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-06-07 10:27:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.32 Mbit/s

95th percentile per-packet one-way delay: 50.847 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 36.05 Mbit/s

95th percentile per-packet one-way delay: 50.977 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.81 Mbit/s

95th percentile per-packet one-way delay: 50.503 ms

Loss rate: 0.00%

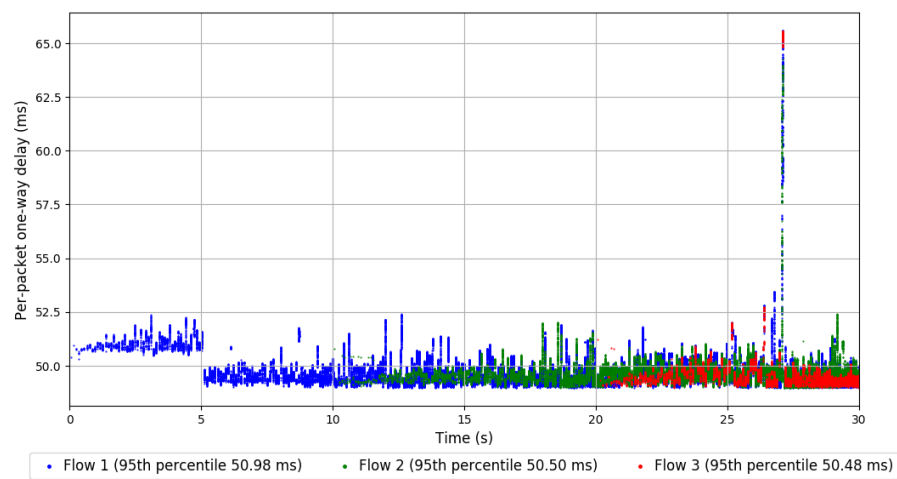
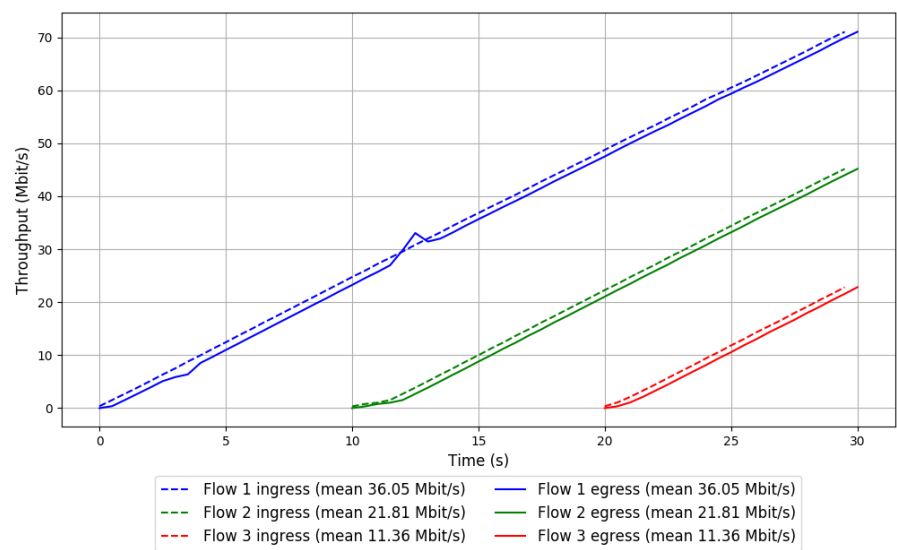
-- Flow 3:

Average throughput: 11.36 Mbit/s

95th percentile per-packet one-way delay: 50.481 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

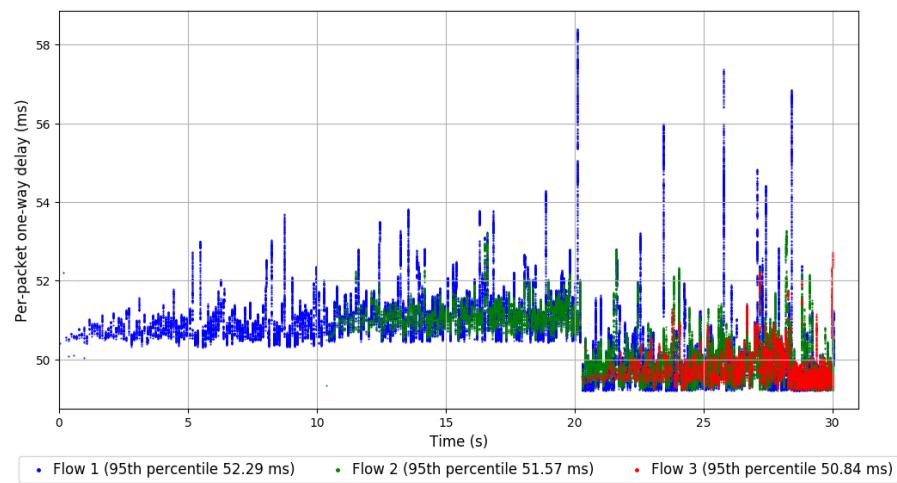
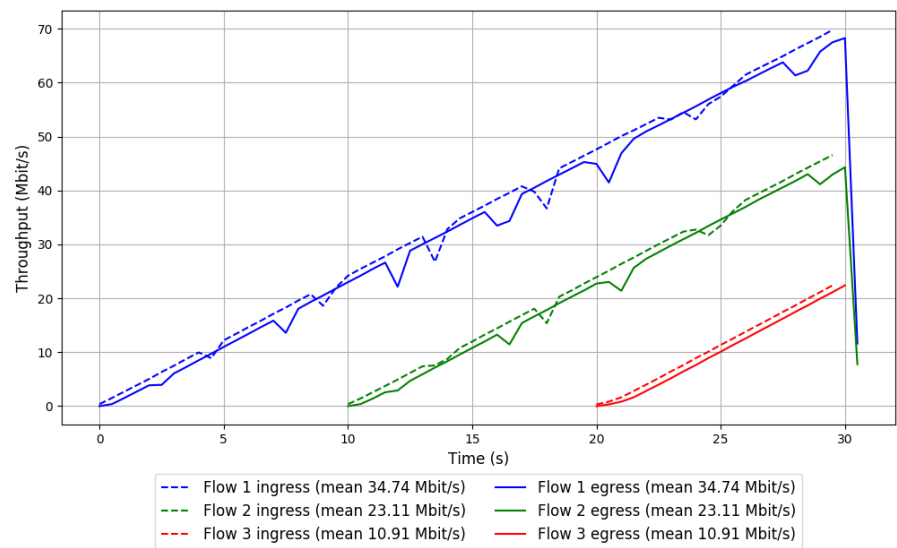


Run 5: Statistics of LEDBAT

Start at: 2018-06-07 06:44:27
End at: 2018-06-07 06:44:57
Local clock offset: 0.382 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-06-07 10:27:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.73 Mbit/s
95th percentile per-packet one-way delay: 51.978 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.74 Mbit/s
95th percentile per-packet one-way delay: 52.290 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 23.11 Mbit/s
95th percentile per-packet one-way delay: 51.571 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.91 Mbit/s
95th percentile per-packet one-way delay: 50.845 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

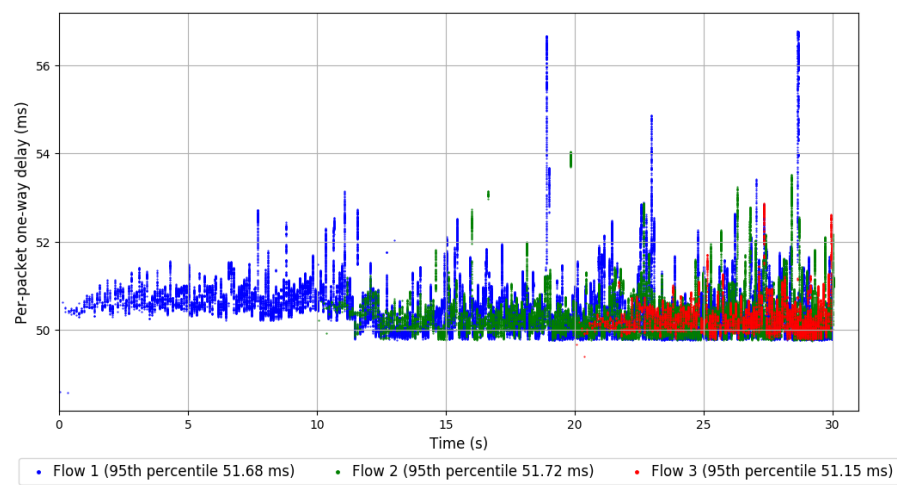
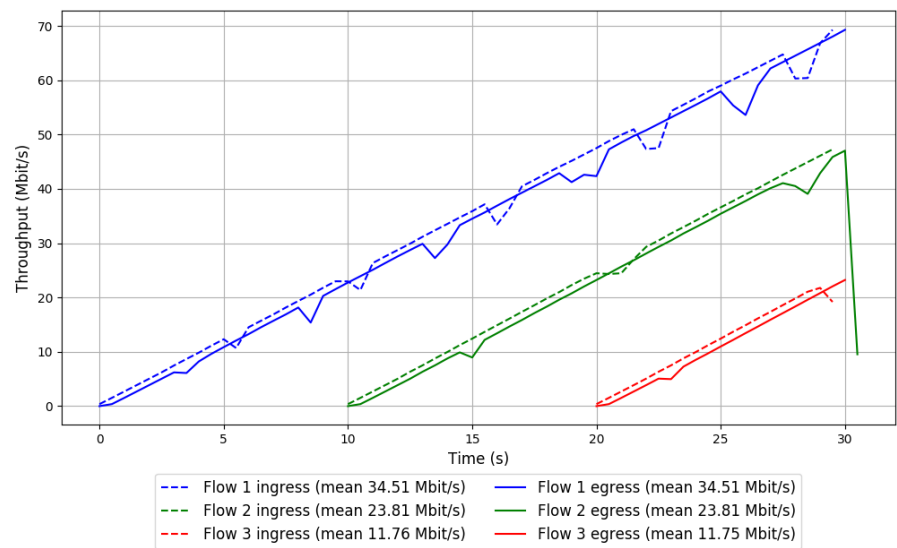


Run 6: Statistics of LEDBAT

Start at: 2018-06-07 07:07:36
End at: 2018-06-07 07:08:06
Local clock offset: 0.335 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-06-07 10:27:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.20 Mbit/s
95th percentile per-packet one-way delay: 51.675 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.51 Mbit/s
95th percentile per-packet one-way delay: 51.682 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 23.81 Mbit/s
95th percentile per-packet one-way delay: 51.721 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.75 Mbit/s
95th percentile per-packet one-way delay: 51.149 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-06-07 07:30:44

End at: 2018-06-07 07:31:14

Local clock offset: 0.051 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-06-07 10:27:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.98 Mbit/s

95th percentile per-packet one-way delay: 52.302 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 35.81 Mbit/s

95th percentile per-packet one-way delay: 52.413 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 23.44 Mbit/s

95th percentile per-packet one-way delay: 52.130 ms

Loss rate: 0.00%

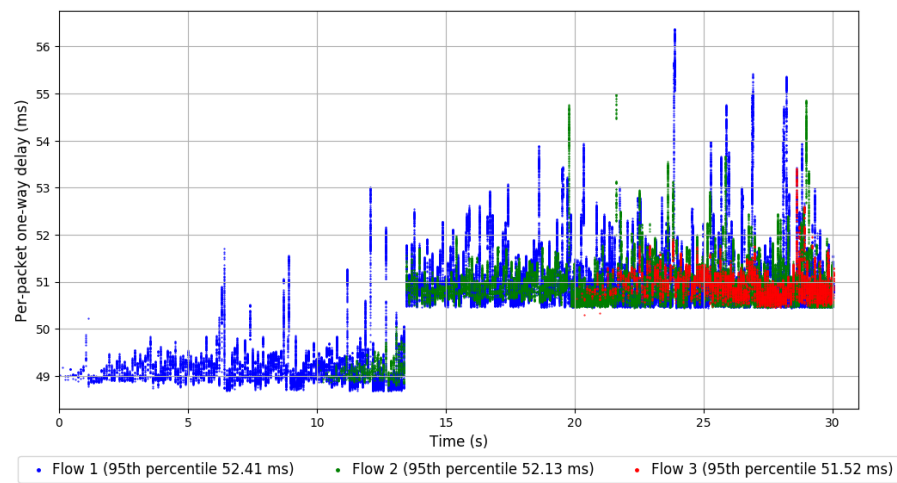
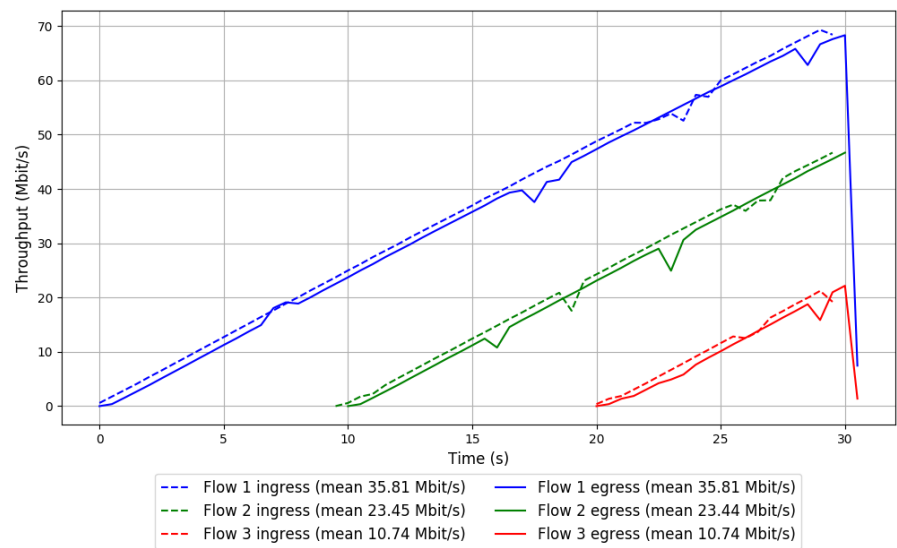
-- Flow 3:

Average throughput: 10.74 Mbit/s

95th percentile per-packet one-way delay: 51.516 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-06-07 07:53:58

End at: 2018-06-07 07:54:28

Local clock offset: -0.371 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-06-07 10:27:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.90 Mbit/s

95th percentile per-packet one-way delay: 51.662 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 34.25 Mbit/s

95th percentile per-packet one-way delay: 51.705 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.11 Mbit/s

95th percentile per-packet one-way delay: 51.488 ms

Loss rate: 0.00%

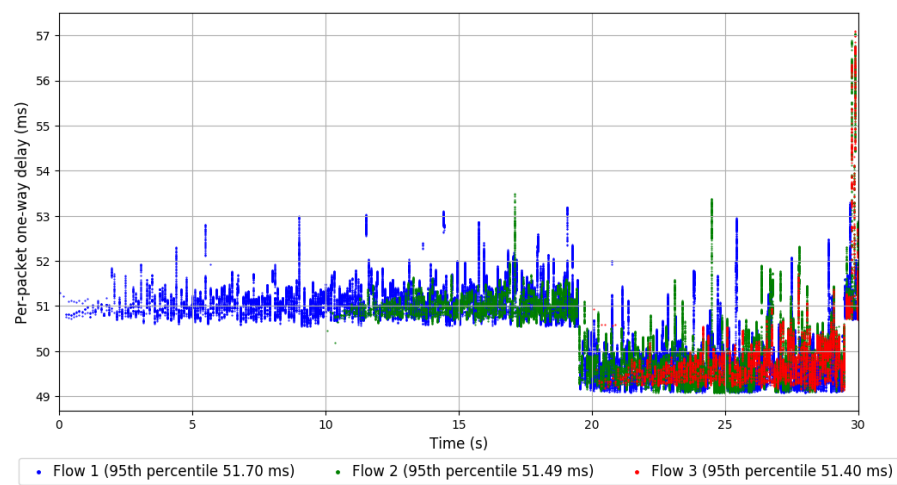
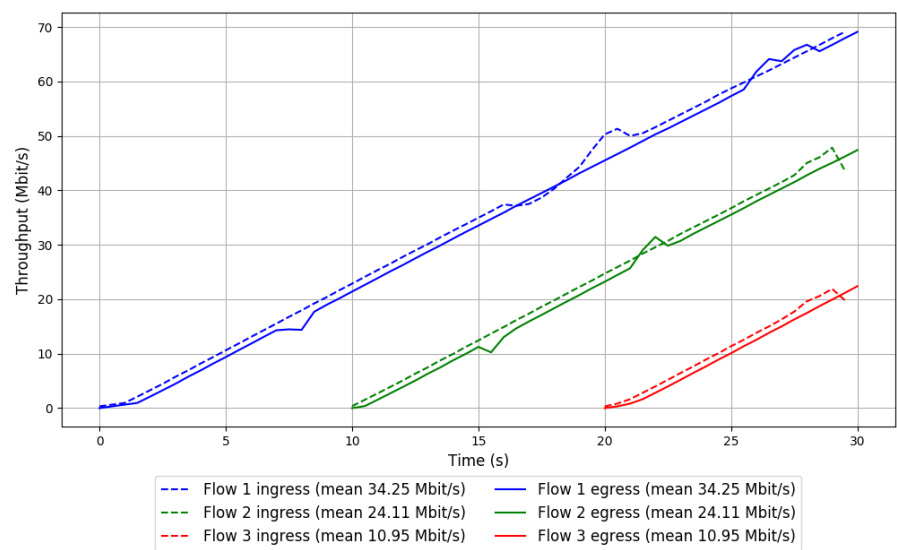
-- Flow 3:

Average throughput: 10.95 Mbit/s

95th percentile per-packet one-way delay: 51.403 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-06-07 08:17:04

End at: 2018-06-07 08:17:34

Local clock offset: 0.389 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-06-07 10:27:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.05 Mbit/s

95th percentile per-packet one-way delay: 51.003 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 33.83 Mbit/s

95th percentile per-packet one-way delay: 51.162 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 20.84 Mbit/s

95th percentile per-packet one-way delay: 50.451 ms

Loss rate: 0.00%

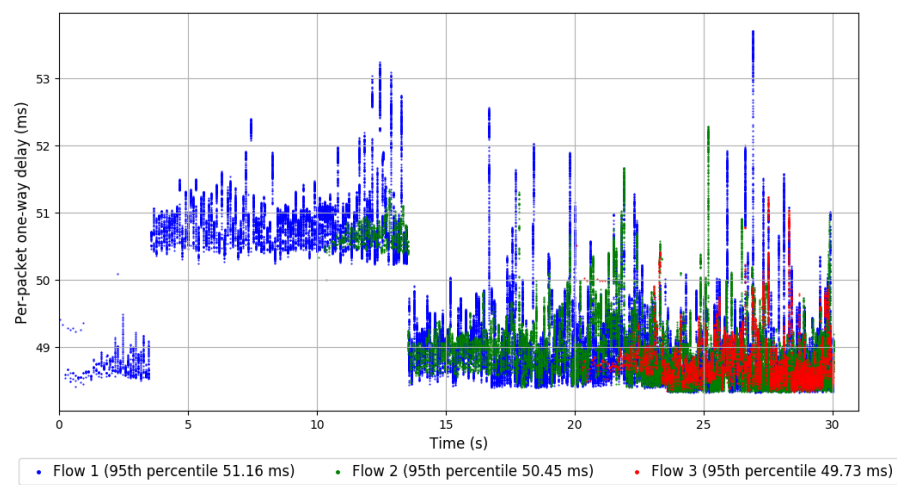
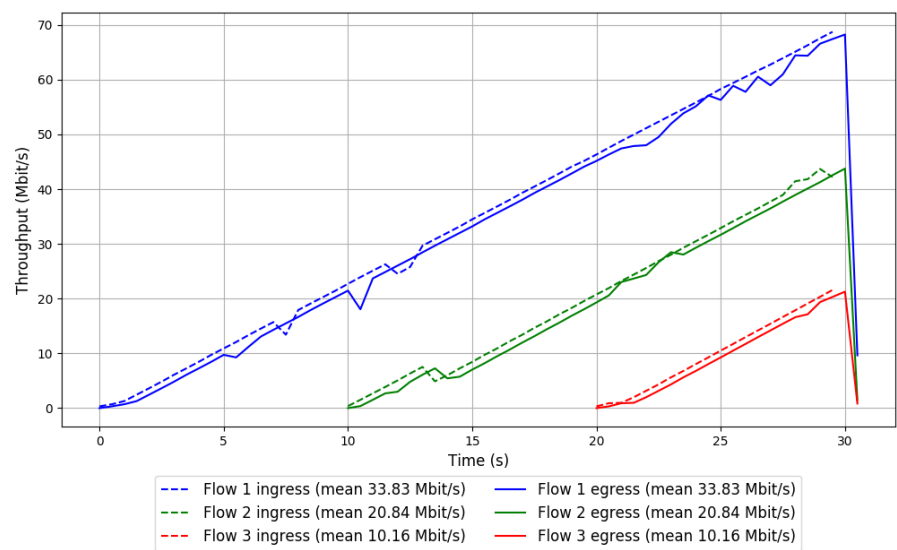
-- Flow 3:

Average throughput: 10.16 Mbit/s

95th percentile per-packet one-way delay: 49.725 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

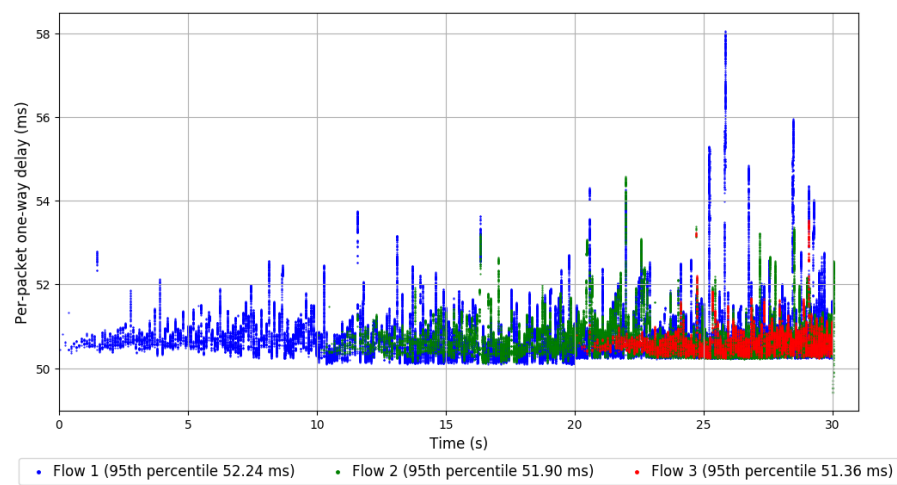
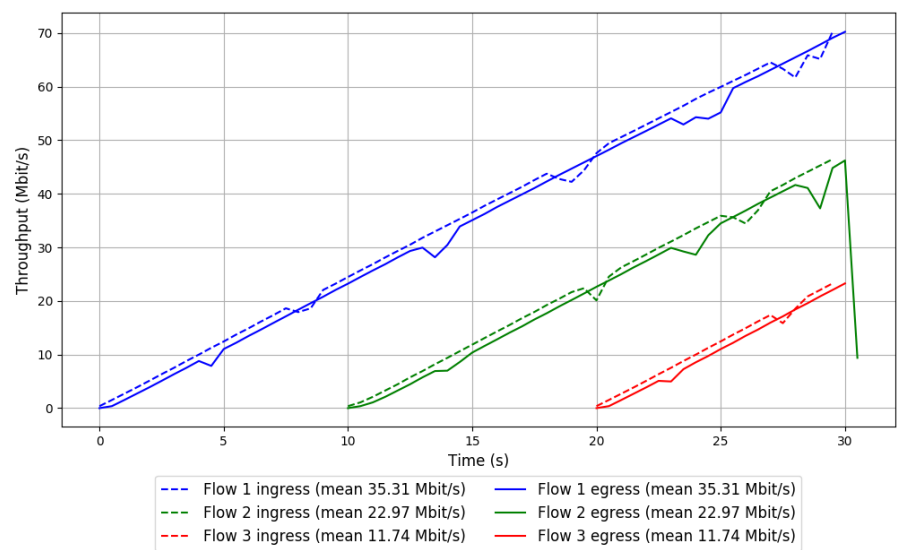


Run 10: Statistics of LEDBAT

Start at: 2018-06-07 08:40:17
End at: 2018-06-07 08:40:47
Local clock offset: 0.426 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-06-07 10:27:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.43 Mbit/s
95th percentile per-packet one-way delay: 52.056 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.31 Mbit/s
95th percentile per-packet one-way delay: 52.242 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 22.97 Mbit/s
95th percentile per-packet one-way delay: 51.903 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.74 Mbit/s
95th percentile per-packet one-way delay: 51.358 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

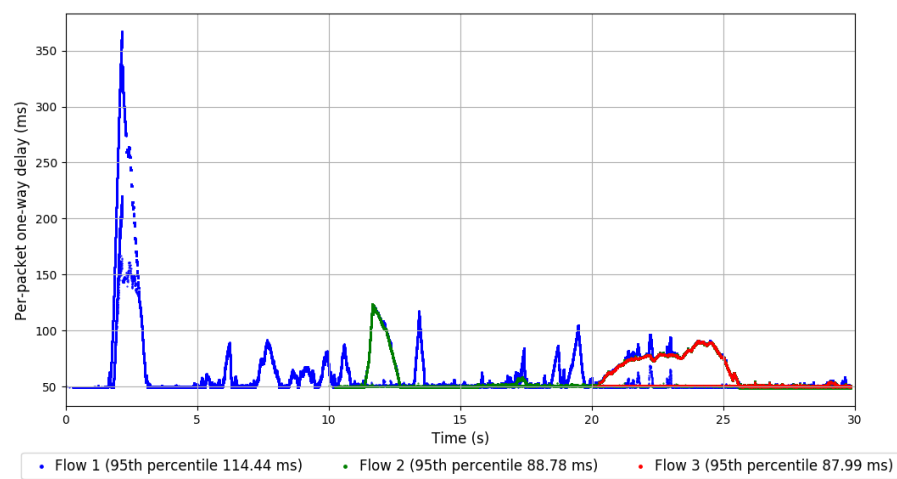
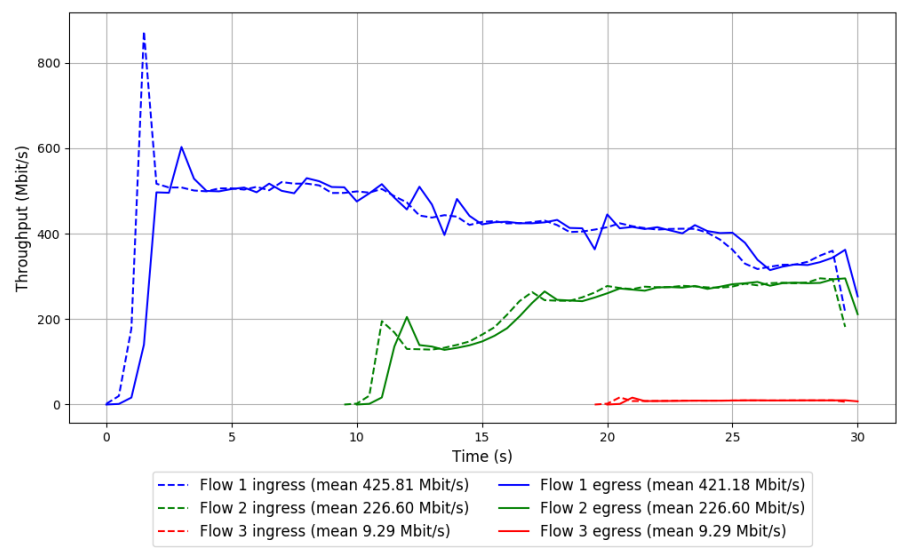


Run 1: Statistics of PCC-Allegro

Start at: 2018-06-07 05:14:01
End at: 2018-06-07 05:14:31
Local clock offset: -0.056 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-06-07 10:27:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 575.11 Mbit/s
95th percentile per-packet one-way delay: 105.736 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 421.18 Mbit/s
95th percentile per-packet one-way delay: 114.441 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 226.60 Mbit/s
95th percentile per-packet one-way delay: 88.782 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.29 Mbit/s
95th percentile per-packet one-way delay: 87.993 ms
Loss rate: 0.00%

Run 1: Report of PCC-Allegro — Data Link

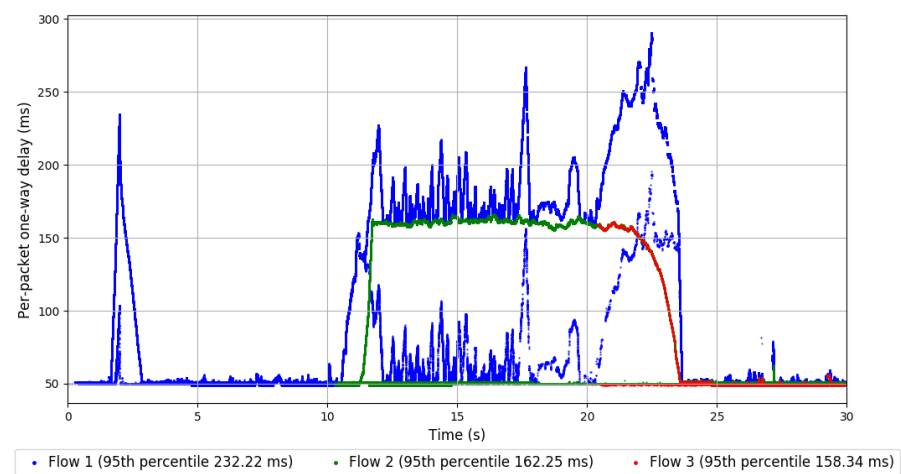
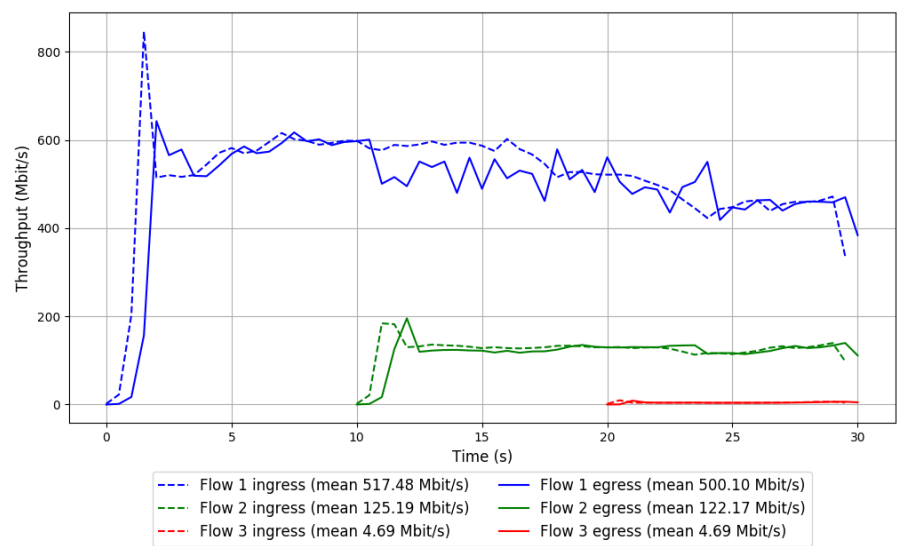


Run 2: Statistics of PCC-Allegro

Start at: 2018-06-07 05:37:22
End at: 2018-06-07 05:37:52
Local clock offset: 0.042 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-06-07 10:27:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 582.87 Mbit/s
95th percentile per-packet one-way delay: 226.263 ms
Loss rate: 3.22%
-- Flow 1:
Average throughput: 500.10 Mbit/s
95th percentile per-packet one-way delay: 232.219 ms
Loss rate: 3.36%
-- Flow 2:
Average throughput: 122.17 Mbit/s
95th percentile per-packet one-way delay: 162.250 ms
Loss rate: 2.42%
-- Flow 3:
Average throughput: 4.69 Mbit/s
95th percentile per-packet one-way delay: 158.339 ms
Loss rate: 0.00%

Run 2: Report of PCC-Allegro — Data Link

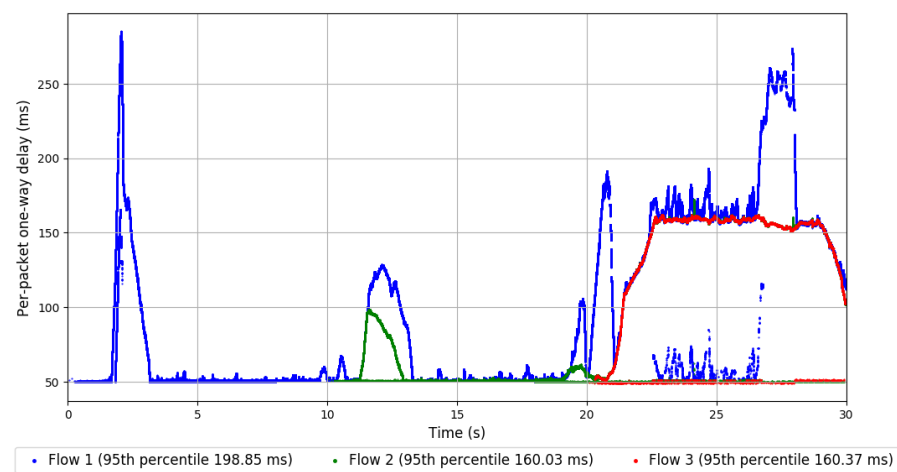
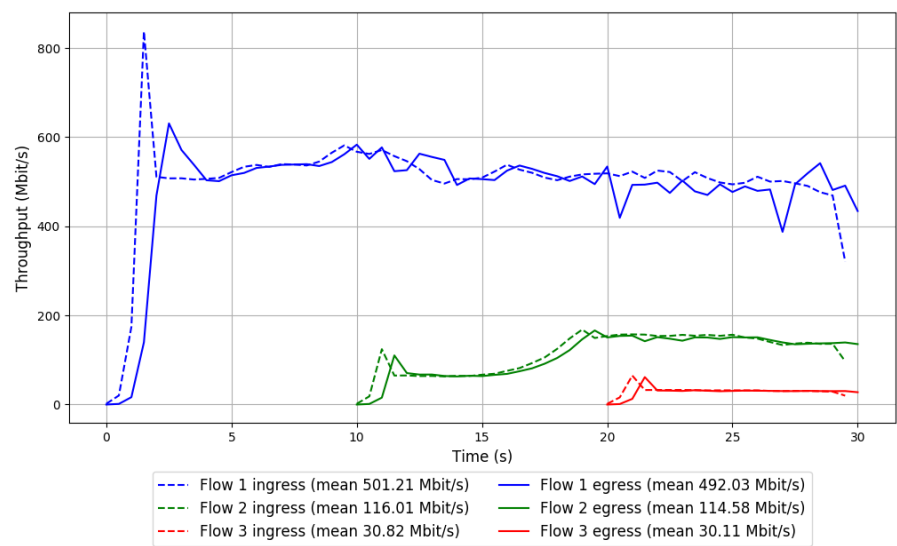


Run 3: Statistics of PCC-Allegro

Start at: 2018-06-07 06:00:29
End at: 2018-06-07 06:00:59
Local clock offset: 0.094 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-06-07 10:27:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 578.18 Mbit/s
95th percentile per-packet one-way delay: 180.697 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 492.03 Mbit/s
95th percentile per-packet one-way delay: 198.847 ms
Loss rate: 1.67%
-- Flow 2:
Average throughput: 114.58 Mbit/s
95th percentile per-packet one-way delay: 160.026 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 30.11 Mbit/s
95th percentile per-packet one-way delay: 160.371 ms
Loss rate: 1.78%

Run 3: Report of PCC-Allegro — Data Link

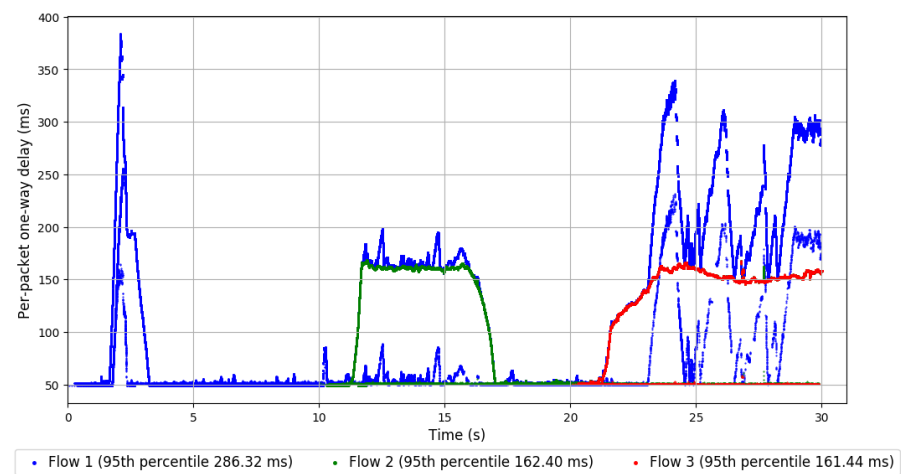
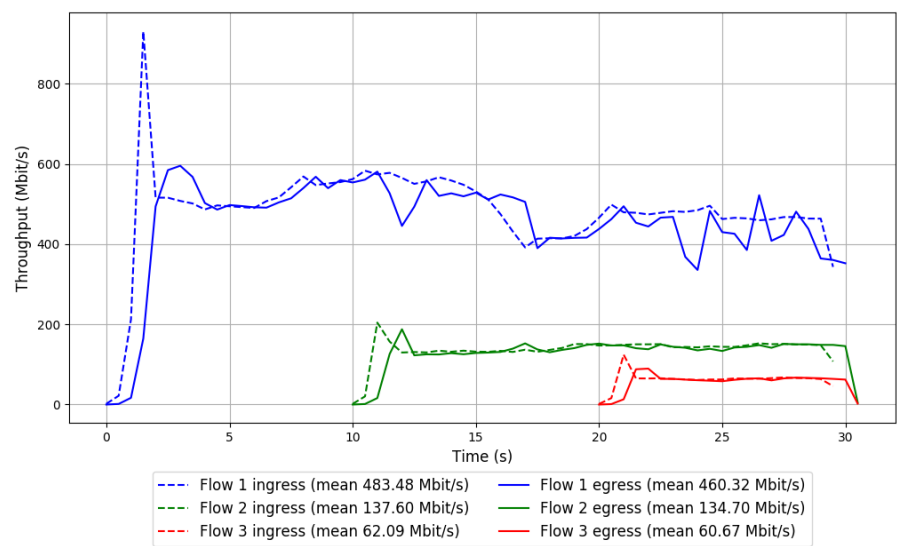


Run 4: Statistics of PCC-Allegro

Start at: 2018-06-07 06:23:45
End at: 2018-06-07 06:24:15
Local clock offset: 0.04 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-06-07 10:27:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 569.28 Mbit/s
95th percentile per-packet one-way delay: 271.320 ms
Loss rate: 4.03%
-- Flow 1:
Average throughput: 460.32 Mbit/s
95th percentile per-packet one-way delay: 286.316 ms
Loss rate: 4.62%
-- Flow 2:
Average throughput: 134.70 Mbit/s
95th percentile per-packet one-way delay: 162.400 ms
Loss rate: 1.58%
-- Flow 3:
Average throughput: 60.67 Mbit/s
95th percentile per-packet one-way delay: 161.439 ms
Loss rate: 1.22%

Run 4: Report of PCC-Allegro — Data Link

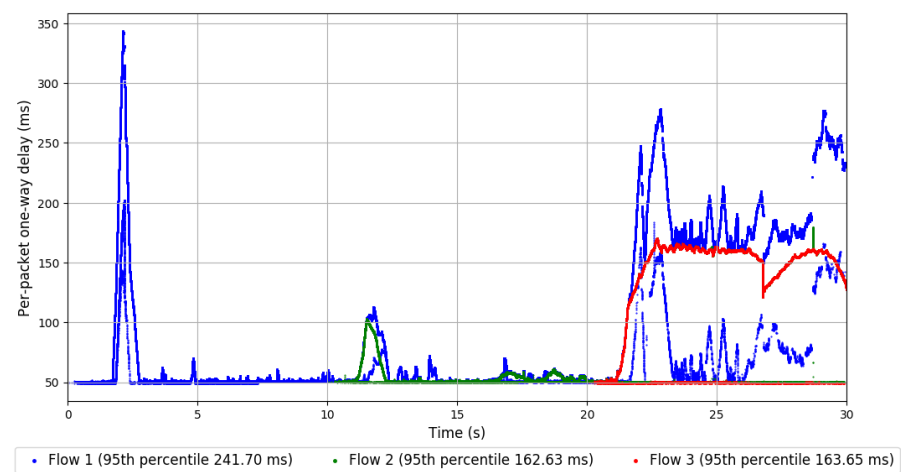
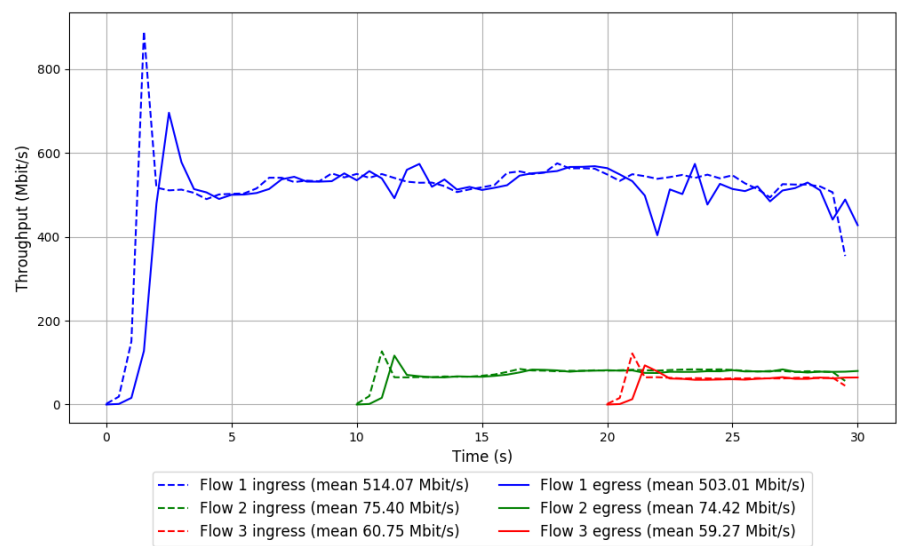


Run 5: Statistics of PCC-Allegro

Start at: 2018-06-07 06:46:50
End at: 2018-06-07 06:47:20
Local clock offset: 0.397 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-06-07 10:27:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 571.27 Mbit/s
95th percentile per-packet one-way delay: 237.847 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 503.01 Mbit/s
95th percentile per-packet one-way delay: 241.702 ms
Loss rate: 2.07%
-- Flow 2:
Average throughput: 74.42 Mbit/s
95th percentile per-packet one-way delay: 162.628 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 59.27 Mbit/s
95th percentile per-packet one-way delay: 163.652 ms
Loss rate: 1.68%

Run 5: Report of PCC-Allegro — Data Link

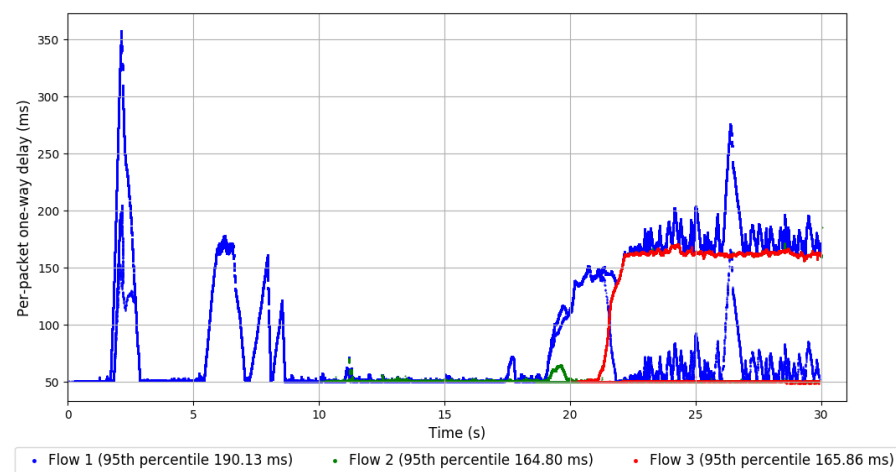
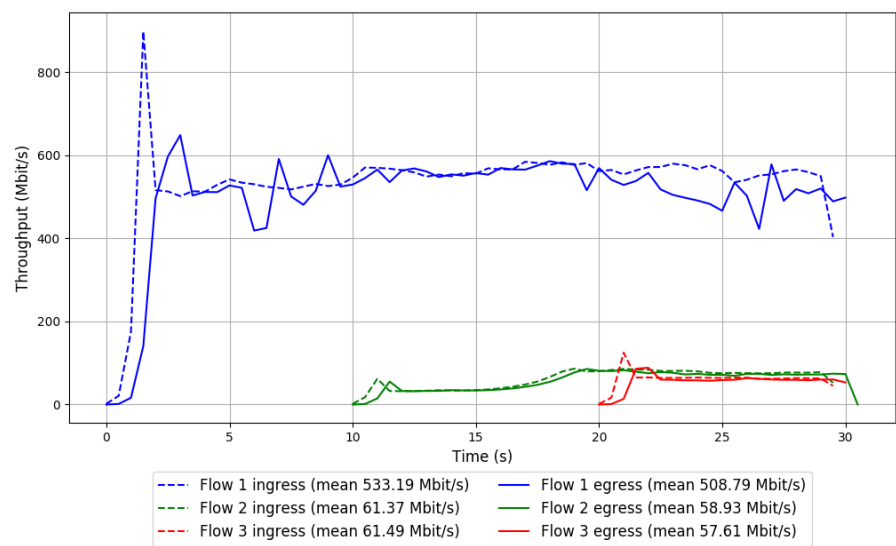


Run 6: Statistics of PCC-Allegro

Start at: 2018-06-07 07:09:59
End at: 2018-06-07 07:10:29
Local clock offset: -0.017 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-06-07 10:27:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 566.12 Mbit/s
95th percentile per-packet one-way delay: 187.859 ms
Loss rate: 4.39%
-- Flow 1:
Average throughput: 508.79 Mbit/s
95th percentile per-packet one-way delay: 190.129 ms
Loss rate: 4.40%
-- Flow 2:
Average throughput: 58.93 Mbit/s
95th percentile per-packet one-way delay: 164.798 ms
Loss rate: 3.46%
-- Flow 3:
Average throughput: 57.61 Mbit/s
95th percentile per-packet one-way delay: 165.861 ms
Loss rate: 5.98%

Run 6: Report of PCC-Allegro — Data Link

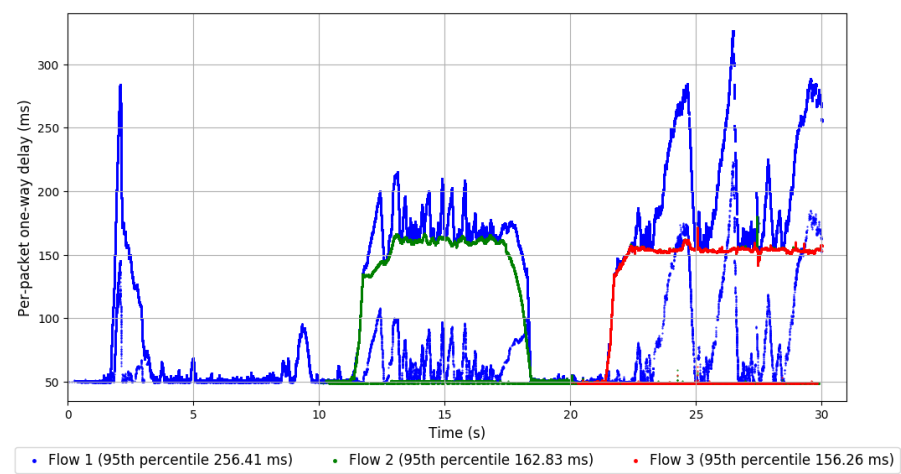
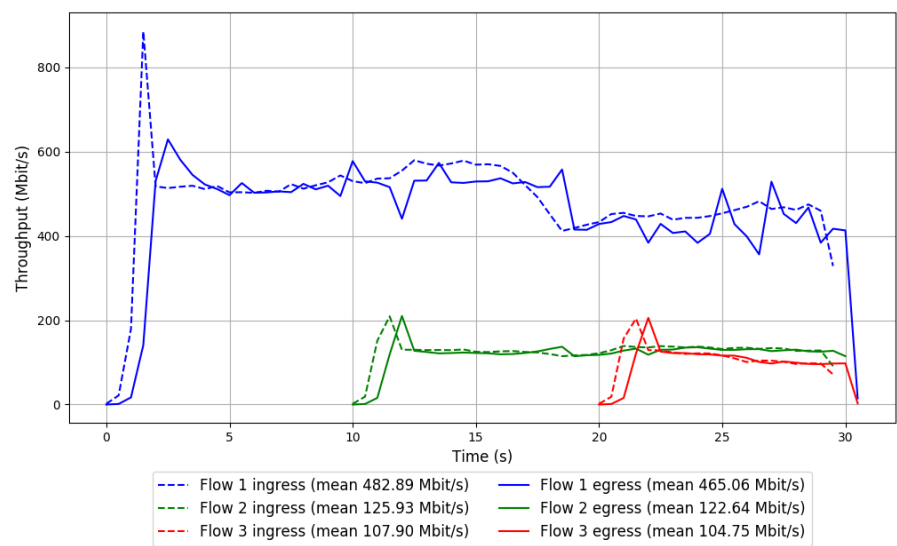


Run 7: Statistics of PCC-Allegro

Start at: 2018-06-07 07:33:07
End at: 2018-06-07 07:33:37
Local clock offset: 0.025 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-06-07 10:33:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 581.24 Mbit/s
95th percentile per-packet one-way delay: 246.690 ms
Loss rate: 3.12%
-- Flow 1:
Average throughput: 465.06 Mbit/s
95th percentile per-packet one-way delay: 256.409 ms
Loss rate: 3.34%
-- Flow 2:
Average throughput: 122.64 Mbit/s
95th percentile per-packet one-way delay: 162.826 ms
Loss rate: 2.39%
-- Flow 3:
Average throughput: 104.75 Mbit/s
95th percentile per-packet one-way delay: 156.257 ms
Loss rate: 1.89%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-07 07:56:21

End at: 2018-06-07 07:56:51

Local clock offset: -0.005 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-06-07 10:33:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 573.00 Mbit/s

95th percentile per-packet one-way delay: 172.880 ms

Loss rate: 1.18%

-- Flow 1:

Average throughput: 443.94 Mbit/s

95th percentile per-packet one-way delay: 178.945 ms

Loss rate: 1.24%

-- Flow 2:

Average throughput: 132.19 Mbit/s

95th percentile per-packet one-way delay: 163.989 ms

Loss rate: 1.02%

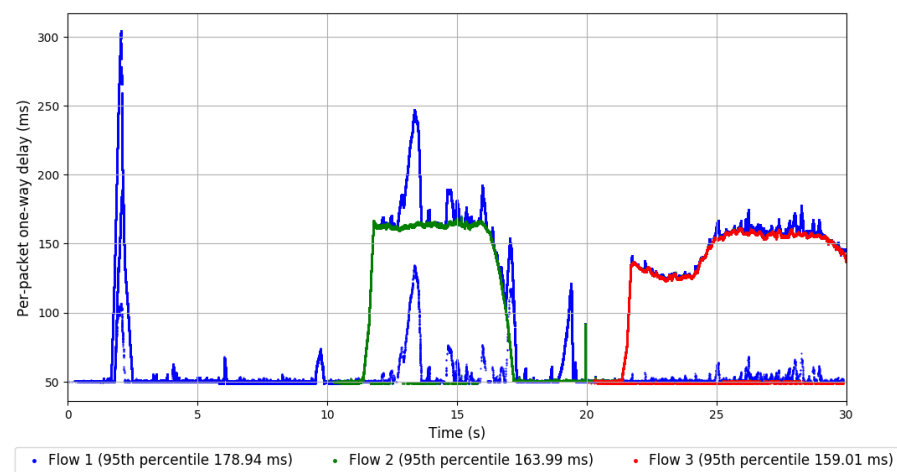
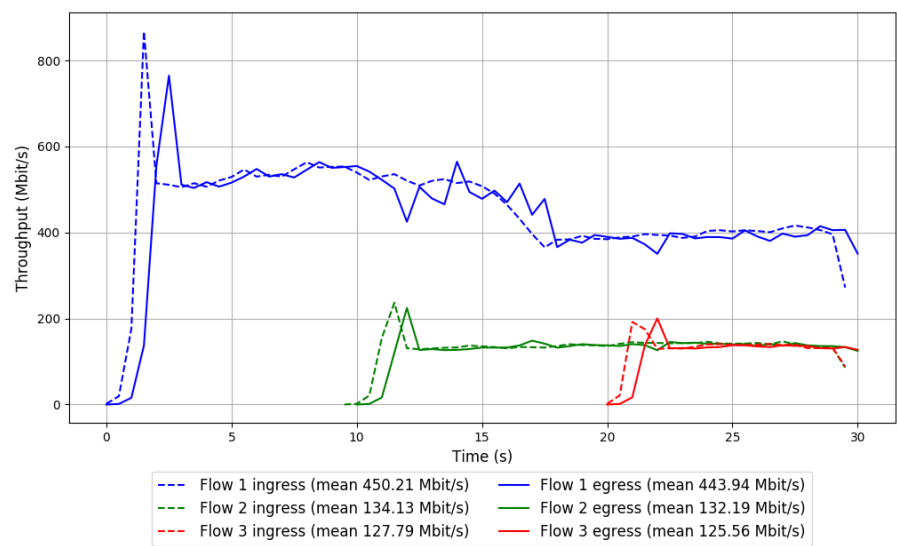
-- Flow 3:

Average throughput: 125.56 Mbit/s

95th percentile per-packet one-way delay: 159.006 ms

Loss rate: 0.86%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-06-07 08:19:27

End at: 2018-06-07 08:19:57

Local clock offset: -0.02 ms

Remote clock offset: 0.065 ms

Below is generated by plot.py at 2018-06-07 10:33:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 554.85 Mbit/s

95th percentile per-packet one-way delay: 175.729 ms

Loss rate: 1.62%

-- Flow 1:

Average throughput: 515.09 Mbit/s

95th percentile per-packet one-way delay: 175.903 ms

Loss rate: 1.66%

-- Flow 2:

Average throughput: 30.04 Mbit/s

95th percentile per-packet one-way delay: 174.350 ms

Loss rate: 1.11%

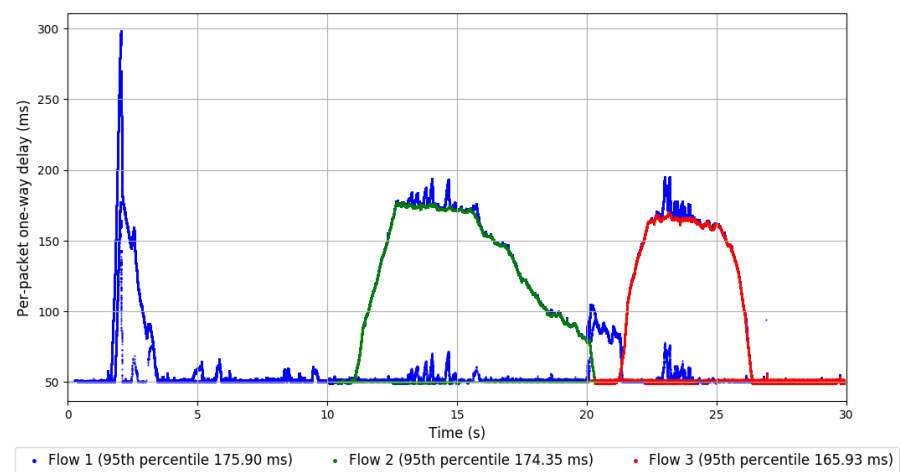
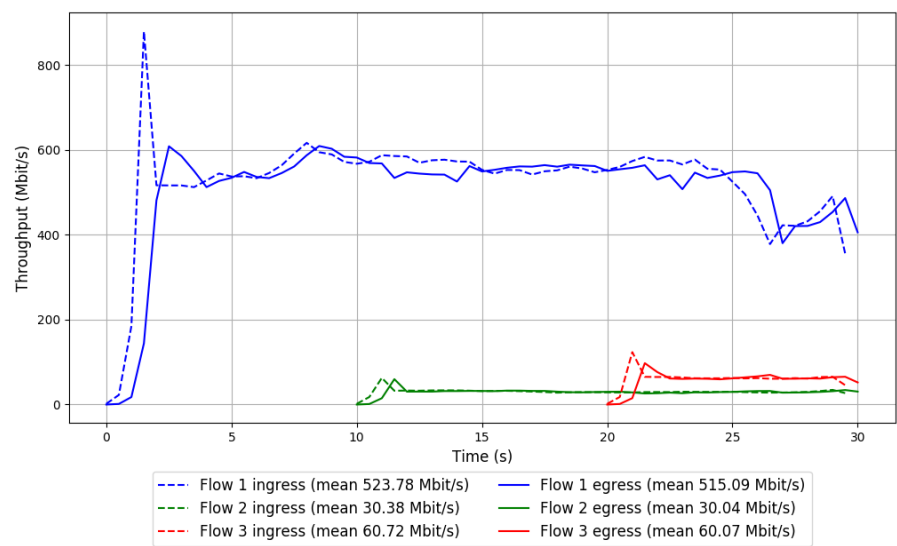
-- Flow 3:

Average throughput: 60.07 Mbit/s

95th percentile per-packet one-way delay: 165.928 ms

Loss rate: 1.09%

Run 9: Report of PCC-Allegro — Data Link

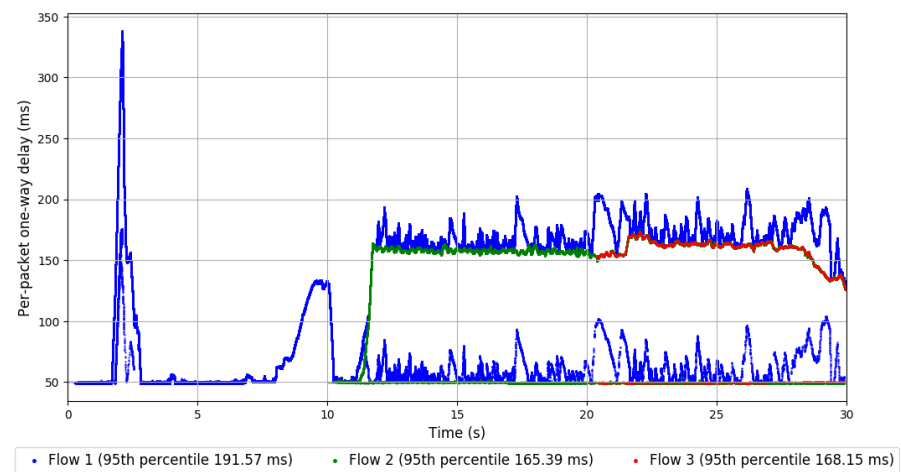
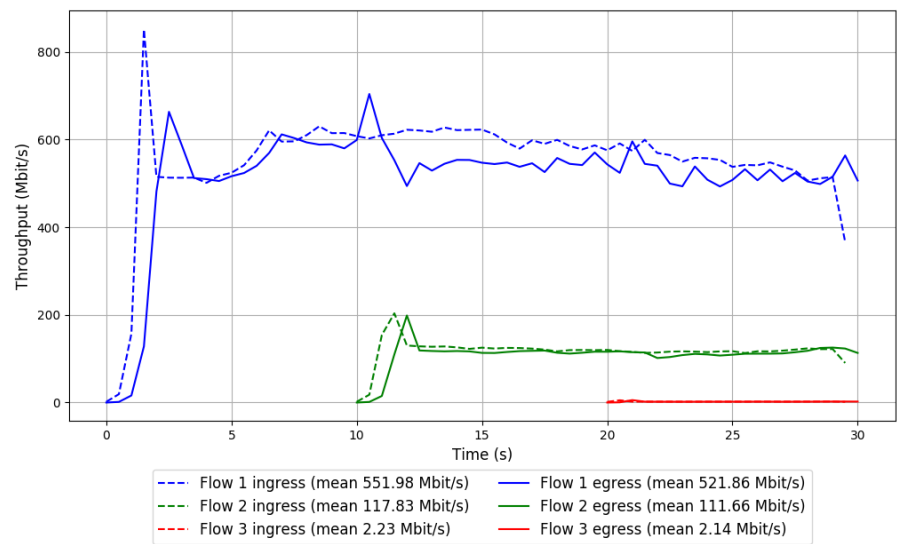


Run 10: Statistics of PCC-Allegro

Start at: 2018-06-07 08:42:40
End at: 2018-06-07 08:43:10
Local clock offset: 0.486 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-06-07 10:34:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 596.75 Mbit/s
95th percentile per-packet one-way delay: 190.173 ms
Loss rate: 5.20%
-- Flow 1:
Average throughput: 521.86 Mbit/s
95th percentile per-packet one-way delay: 191.570 ms
Loss rate: 5.22%
-- Flow 2:
Average throughput: 111.66 Mbit/s
95th percentile per-packet one-way delay: 165.394 ms
Loss rate: 5.07%
-- Flow 3:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 168.146 ms
Loss rate: 3.39%

Run 10: Report of PCC-Allegro — Data Link

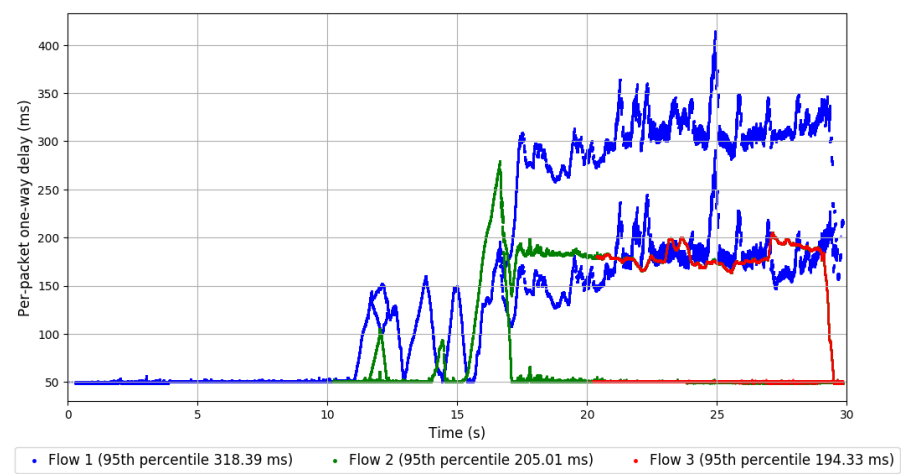
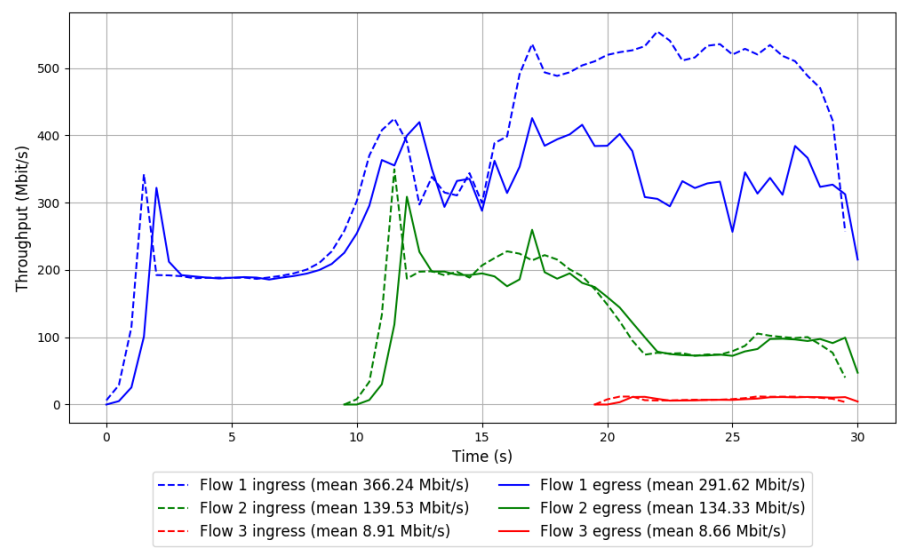


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-07 05:10:03
End at: 2018-06-07 05:10:33
Local clock offset: -0.051 ms
Remote clock offset: -0.031 ms

# Below is generated by plot.py at 2018-06-07 10:37:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 384.07 Mbit/s
95th percentile per-packet one-way delay: 312.838 ms
Loss rate: 16.91%
-- Flow 1:
Average throughput: 291.62 Mbit/s
95th percentile per-packet one-way delay: 318.391 ms
Loss rate: 20.37%
-- Flow 2:
Average throughput: 134.33 Mbit/s
95th percentile per-packet one-way delay: 205.009 ms
Loss rate: 3.73%
-- Flow 3:
Average throughput: 8.66 Mbit/s
95th percentile per-packet one-way delay: 194.327 ms
Loss rate: 2.82%
```

Run 1: Report of PCC-Expr — Data Link

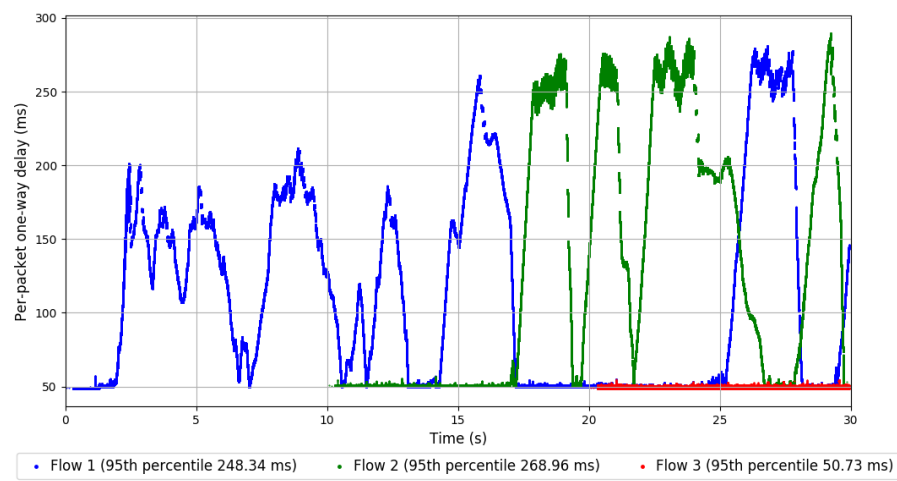
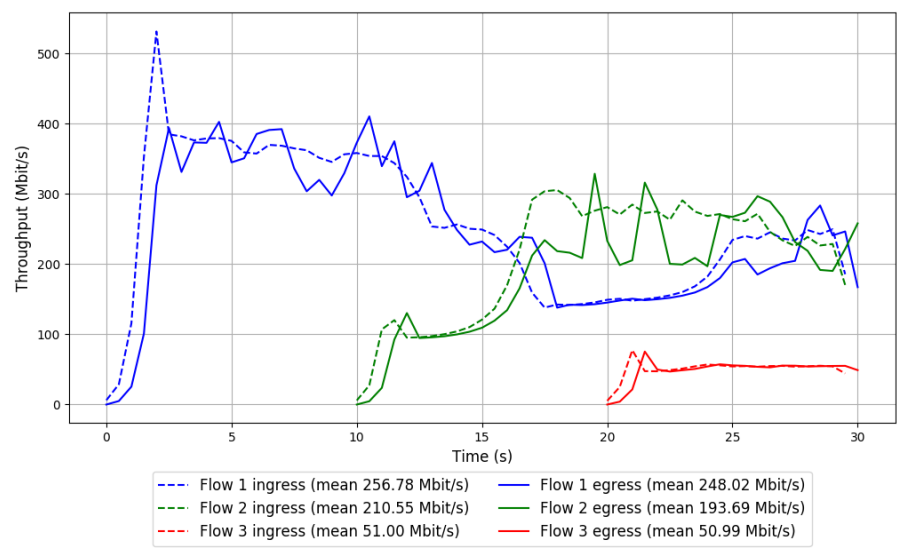


Run 2: Statistics of PCC-Expr

Start at: 2018-06-07 05:33:16
End at: 2018-06-07 05:33:46
Local clock offset: 0.009 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-06-07 10:37:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 393.63 Mbit/s
95th percentile per-packet one-way delay: 261.172 ms
Loss rate: 4.83%
-- Flow 1:
Average throughput: 248.02 Mbit/s
95th percentile per-packet one-way delay: 248.338 ms
Loss rate: 3.41%
-- Flow 2:
Average throughput: 193.69 Mbit/s
95th percentile per-packet one-way delay: 268.957 ms
Loss rate: 8.01%
-- Flow 3:
Average throughput: 50.99 Mbit/s
95th percentile per-packet one-way delay: 50.732 ms
Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link

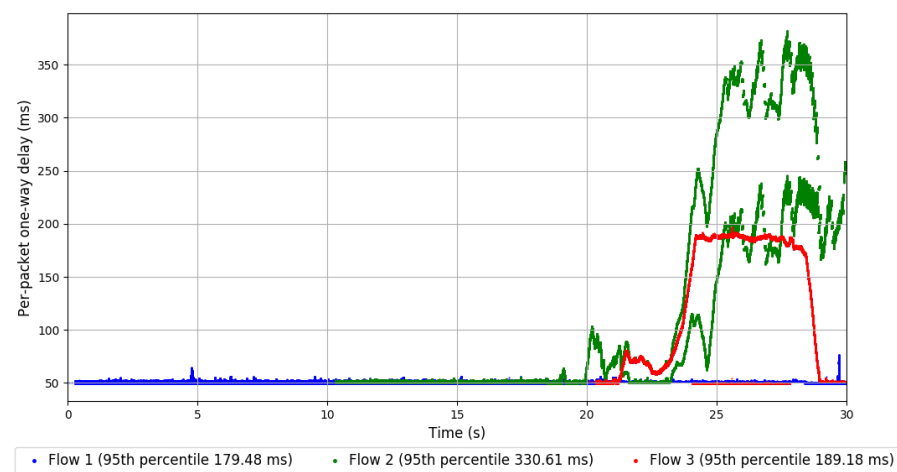
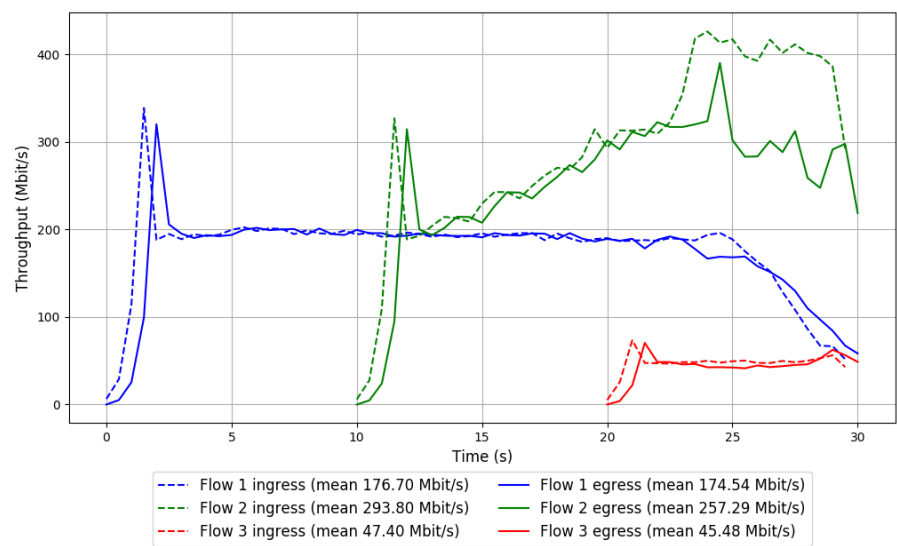


Run 3: Statistics of PCC-Expr

Start at: 2018-06-07 05:56:29
End at: 2018-06-07 05:56:59
Local clock offset: -0.293 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-06-07 10:38:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 360.63 Mbit/s
95th percentile per-packet one-way delay: 245.088 ms
Loss rate: 6.98%
-- Flow 1:
Average throughput: 174.54 Mbit/s
95th percentile per-packet one-way delay: 179.476 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 257.29 Mbit/s
95th percentile per-packet one-way delay: 330.609 ms
Loss rate: 12.42%
-- Flow 3:
Average throughput: 45.48 Mbit/s
95th percentile per-packet one-way delay: 189.175 ms
Loss rate: 4.06%

Run 3: Report of PCC-Expr — Data Link

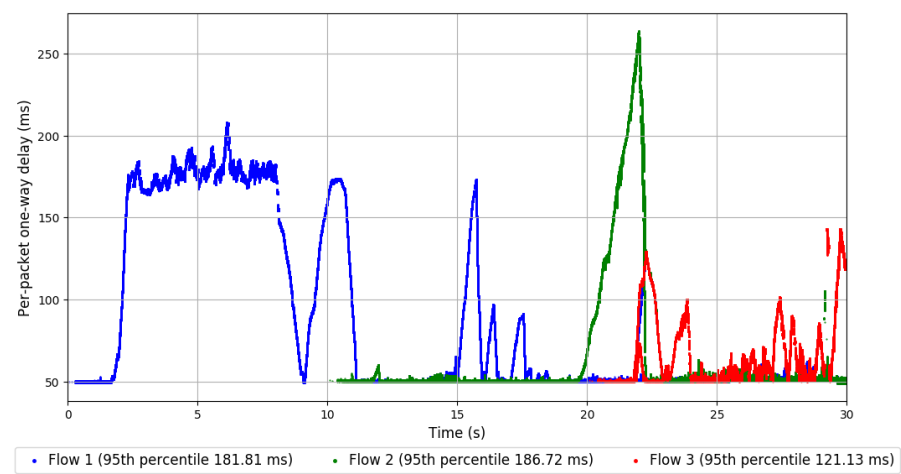
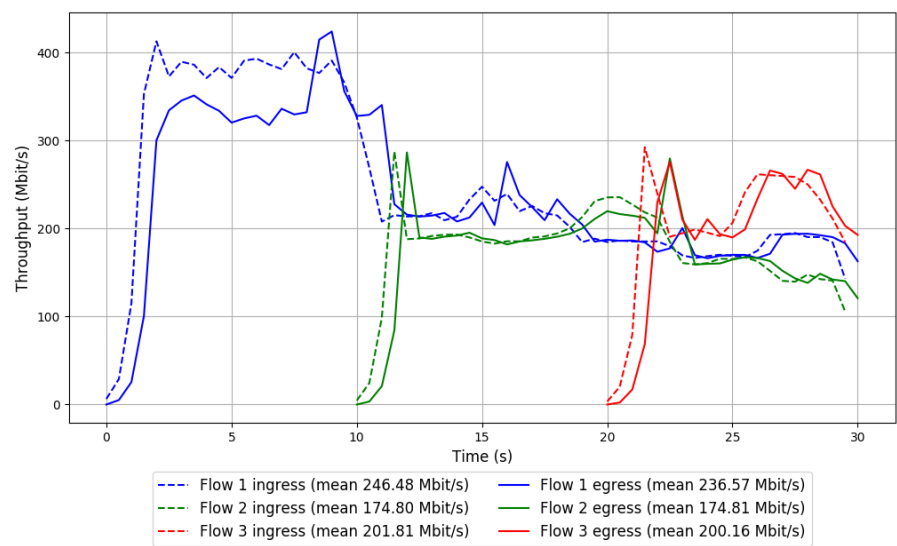


Run 4: Statistics of PCC-Expr

Start at: 2018-06-07 06:19:38
End at: 2018-06-07 06:20:08
Local clock offset: 0.088 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-06-07 10:40:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 418.67 Mbit/s
95th percentile per-packet one-way delay: 180.841 ms
Loss rate: 2.44%
-- Flow 1:
Average throughput: 236.57 Mbit/s
95th percentile per-packet one-way delay: 181.815 ms
Loss rate: 4.02%
-- Flow 2:
Average throughput: 174.81 Mbit/s
95th percentile per-packet one-way delay: 186.719 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 200.16 Mbit/s
95th percentile per-packet one-way delay: 121.132 ms
Loss rate: 0.82%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-06-07 06:42:45

End at: 2018-06-07 06:43:15

Local clock offset: -0.371 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-06-07 10:45:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 381.79 Mbit/s

95th percentile per-packet one-way delay: 160.938 ms

Loss rate: 1.47%

-- Flow 1:

Average throughput: 243.32 Mbit/s

95th percentile per-packet one-way delay: 93.187 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 163.35 Mbit/s

95th percentile per-packet one-way delay: 256.948 ms

Loss rate: 4.94%

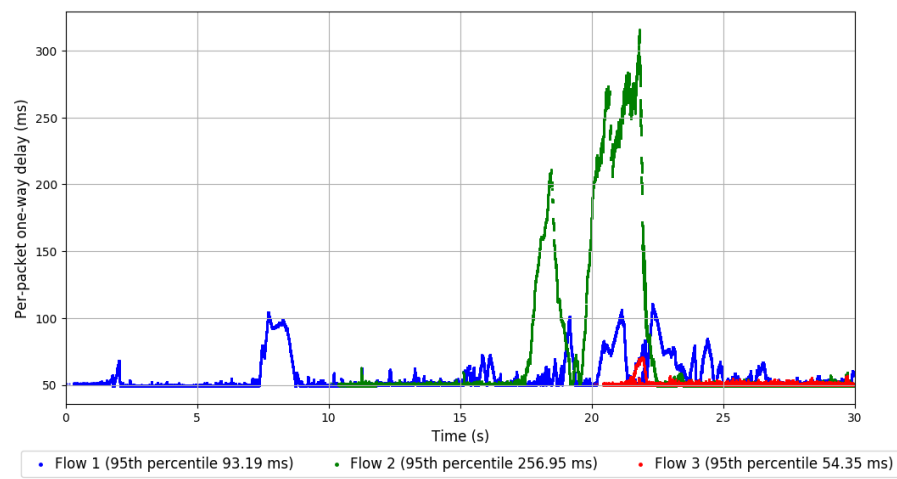
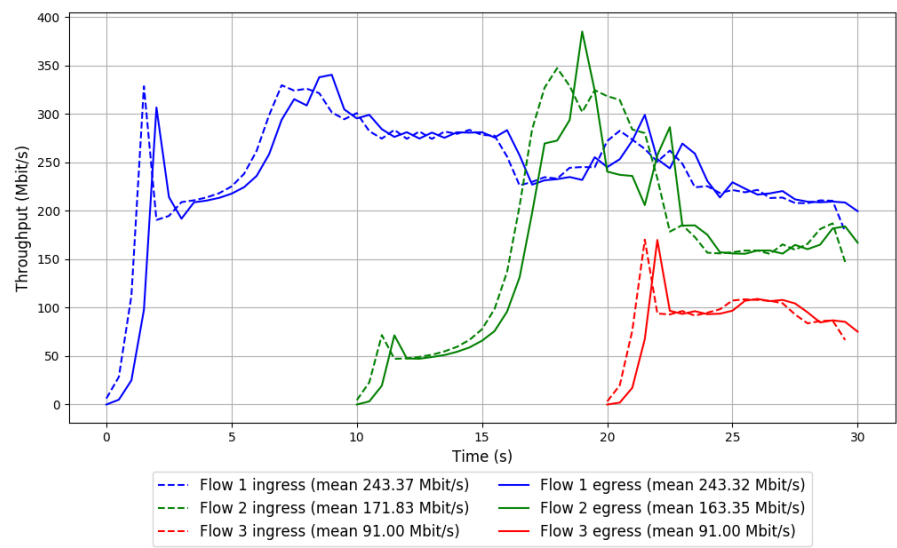
-- Flow 3:

Average throughput: 91.00 Mbit/s

95th percentile per-packet one-way delay: 54.353 ms

Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-06-07 07:05:49

End at: 2018-06-07 07:06:19

Local clock offset: 0.006 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-06-07 10:48:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 443.68 Mbit/s

95th percentile per-packet one-way delay: 204.287 ms

Loss rate: 1.72%

-- Flow 1:

Average throughput: 278.78 Mbit/s

95th percentile per-packet one-way delay: 201.236 ms

Loss rate: 2.15%

-- Flow 2:

Average throughput: 203.63 Mbit/s

95th percentile per-packet one-way delay: 223.077 ms

Loss rate: 1.21%

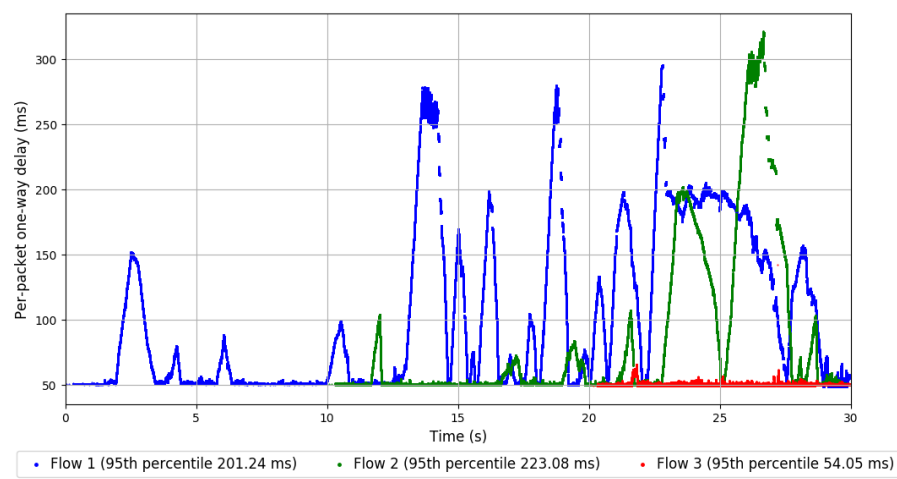
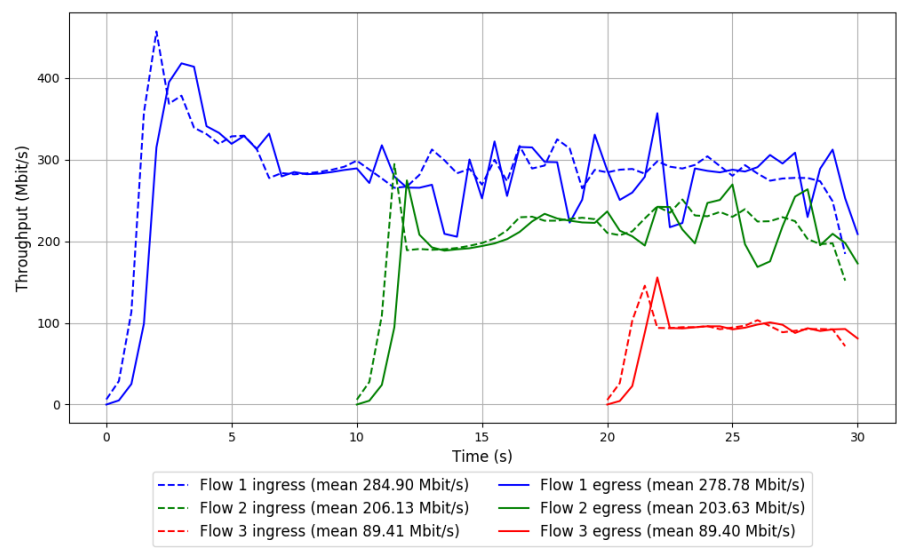
-- Flow 3:

Average throughput: 89.40 Mbit/s

95th percentile per-packet one-way delay: 54.053 ms

Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-06-07 07:29:08

End at: 2018-06-07 07:29:38

Local clock offset: 0.391 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-06-07 10:48:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 348.96 Mbit/s

95th percentile per-packet one-way delay: 167.188 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 211.98 Mbit/s

95th percentile per-packet one-way delay: 168.098 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 156.31 Mbit/s

95th percentile per-packet one-way delay: 166.379 ms

Loss rate: 0.22%

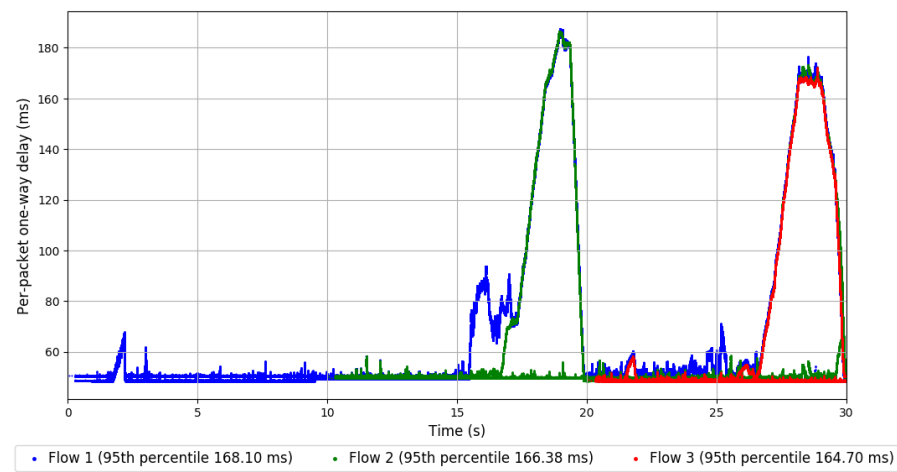
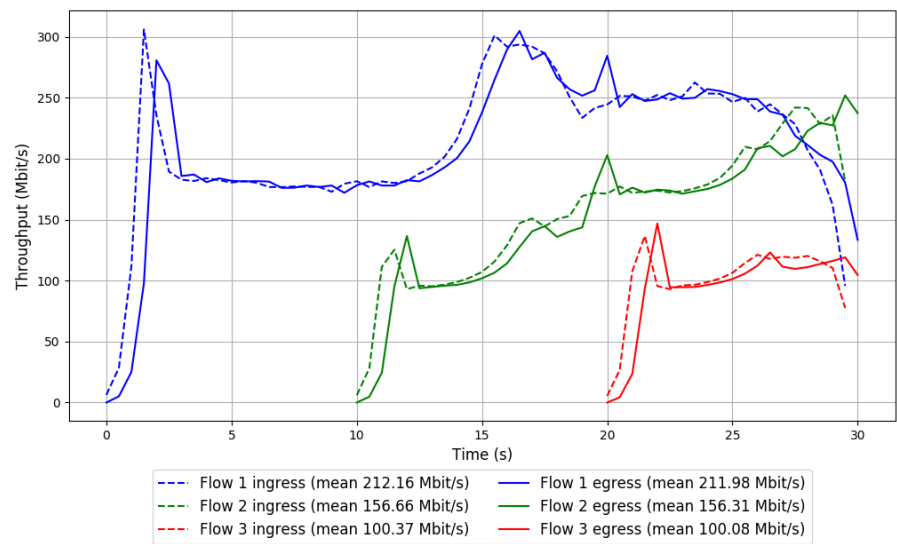
-- Flow 3:

Average throughput: 100.08 Mbit/s

95th percentile per-packet one-way delay: 164.700 ms

Loss rate: 0.28%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-06-07 07:52:17

End at: 2018-06-07 07:52:47

Local clock offset: 0.048 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2018-06-07 10:50:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 445.24 Mbit/s

95th percentile per-packet one-way delay: 280.493 ms

Loss rate: 18.15%

-- Flow 1:

Average throughput: 331.74 Mbit/s

95th percentile per-packet one-way delay: 284.289 ms

Loss rate: 21.67%

-- Flow 2:

Average throughput: 167.74 Mbit/s

95th percentile per-packet one-way delay: 169.851 ms

Loss rate: 5.79%

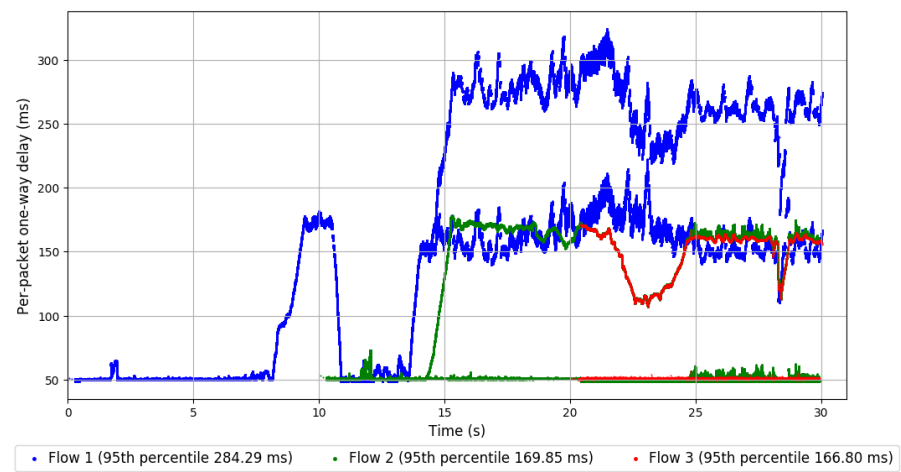
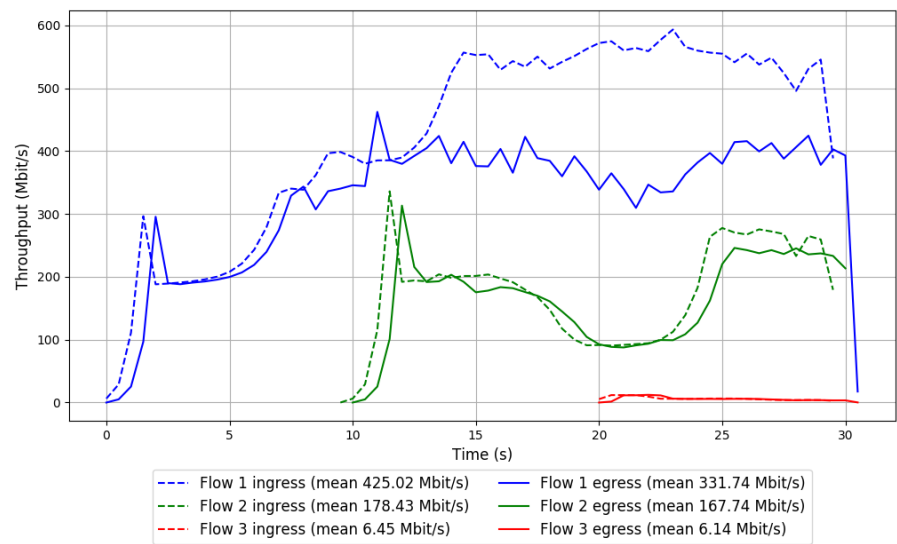
-- Flow 3:

Average throughput: 6.14 Mbit/s

95th percentile per-packet one-way delay: 166.801 ms

Loss rate: 3.80%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-06-07 08:15:22

End at: 2018-06-07 08:15:52

Local clock offset: -0.381 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-06-07 10:50:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 423.18 Mbit/s

95th percentile per-packet one-way delay: 205.892 ms

Loss rate: 3.21%

-- Flow 1:

Average throughput: 276.72 Mbit/s

95th percentile per-packet one-way delay: 211.387 ms

Loss rate: 4.44%

-- Flow 2:

Average throughput: 169.24 Mbit/s

95th percentile per-packet one-way delay: 136.981 ms

Loss rate: 1.04%

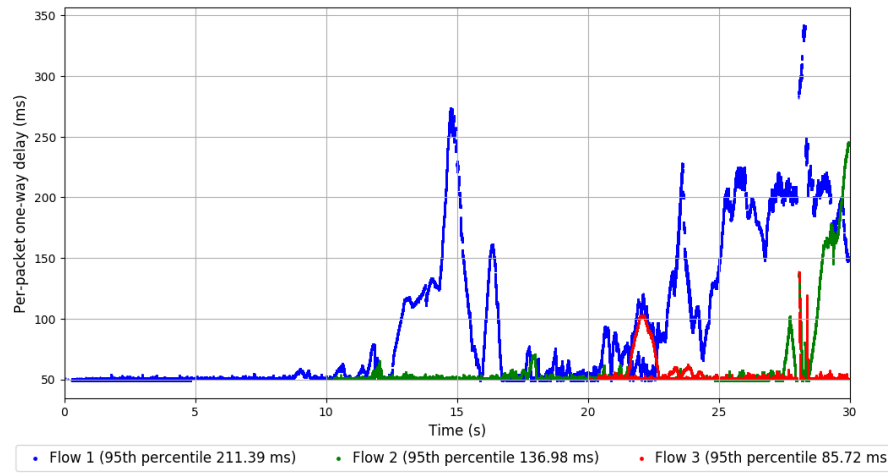
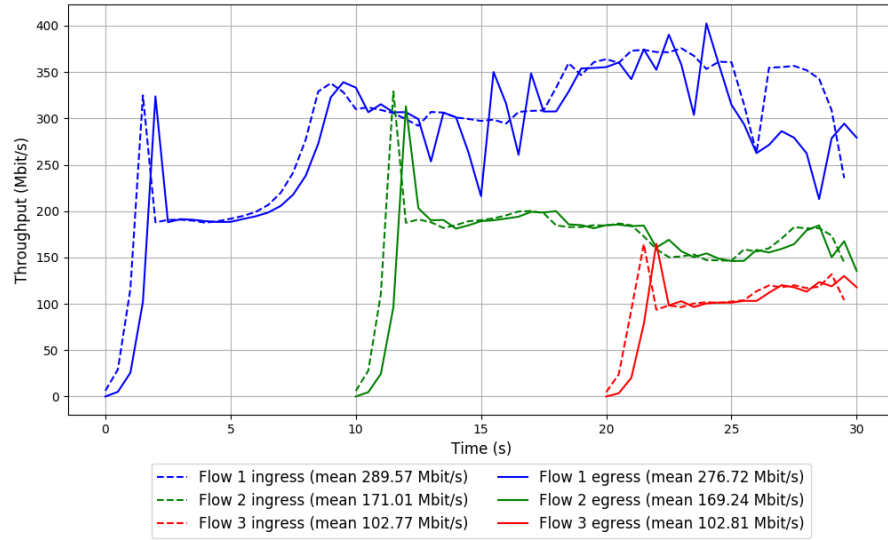
-- Flow 3:

Average throughput: 102.81 Mbit/s

95th percentile per-packet one-way delay: 85.719 ms

Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-06-07 08:38:33

End at: 2018-06-07 08:39:03

Local clock offset: 0.049 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-06-07 10:51:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 441.28 Mbit/s

95th percentile per-packet one-way delay: 176.799 ms

Loss rate: 3.33%

-- Flow 1:

Average throughput: 224.17 Mbit/s

95th percentile per-packet one-way delay: 185.848 ms

Loss rate: 1.97%

-- Flow 2:

Average throughput: 190.36 Mbit/s

95th percentile per-packet one-way delay: 162.324 ms

Loss rate: 2.67%

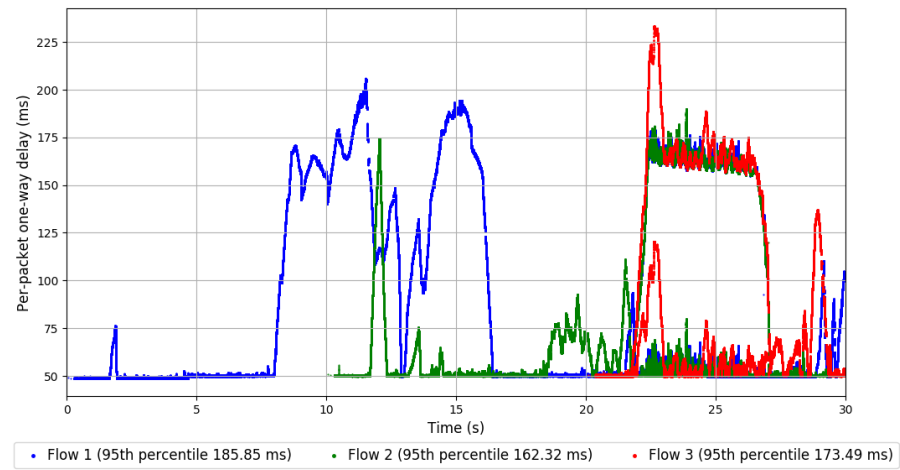
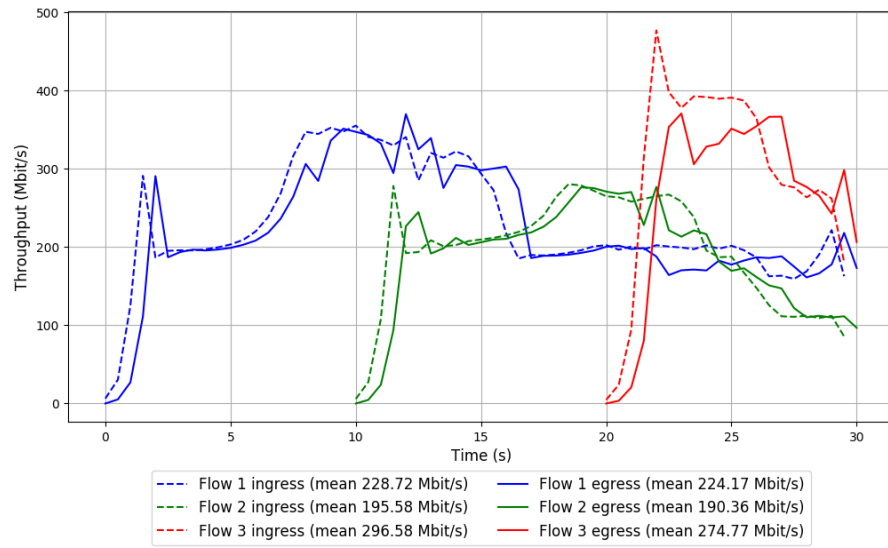
-- Flow 3:

Average throughput: 274.77 Mbit/s

95th percentile per-packet one-way delay: 173.488 ms

Loss rate: 7.36%

Run 10: Report of PCC-Expr — Data Link

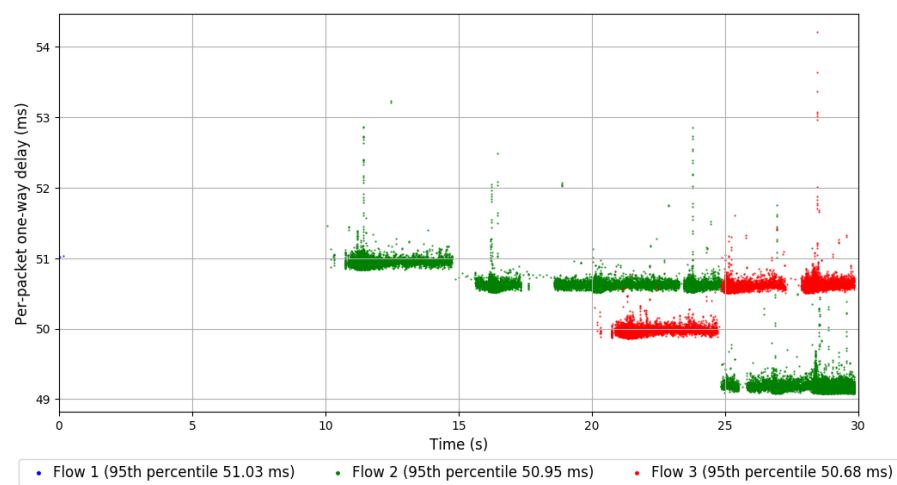
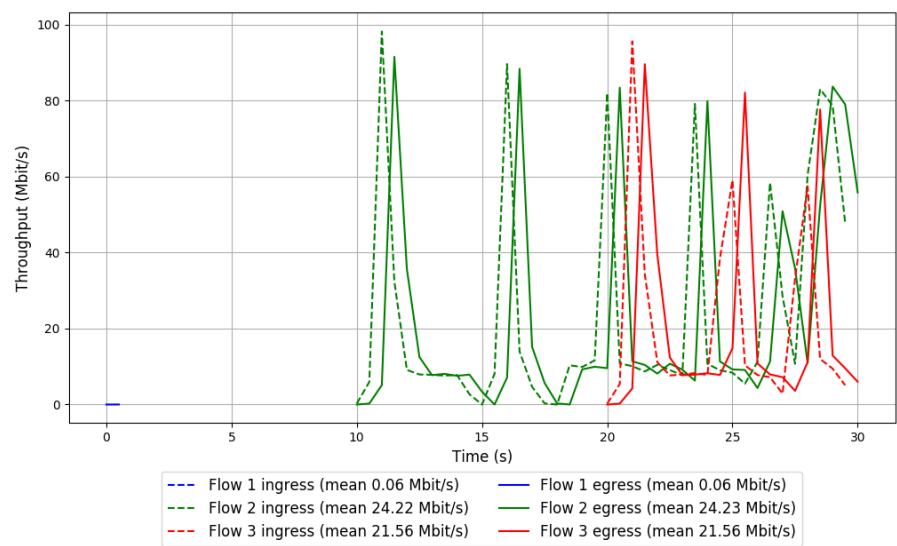


Run 1: Statistics of QUIC Cubic

Start at: 2018-06-07 05:12:52
End at: 2018-06-07 05:13:22
Local clock offset: -0.437 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-06-07 10:51:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.15 Mbit/s
95th percentile per-packet one-way delay: 50.938 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 51.028 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.23 Mbit/s
95th percentile per-packet one-way delay: 50.955 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.56 Mbit/s
95th percentile per-packet one-way delay: 50.681 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

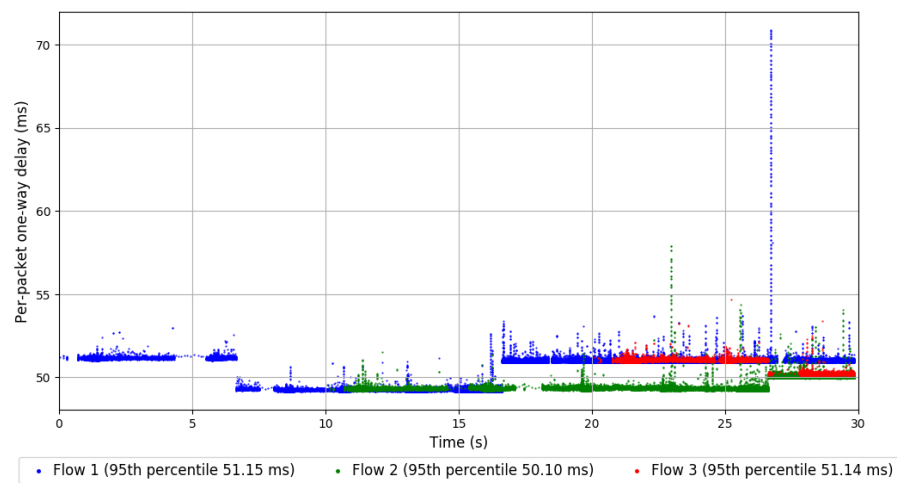
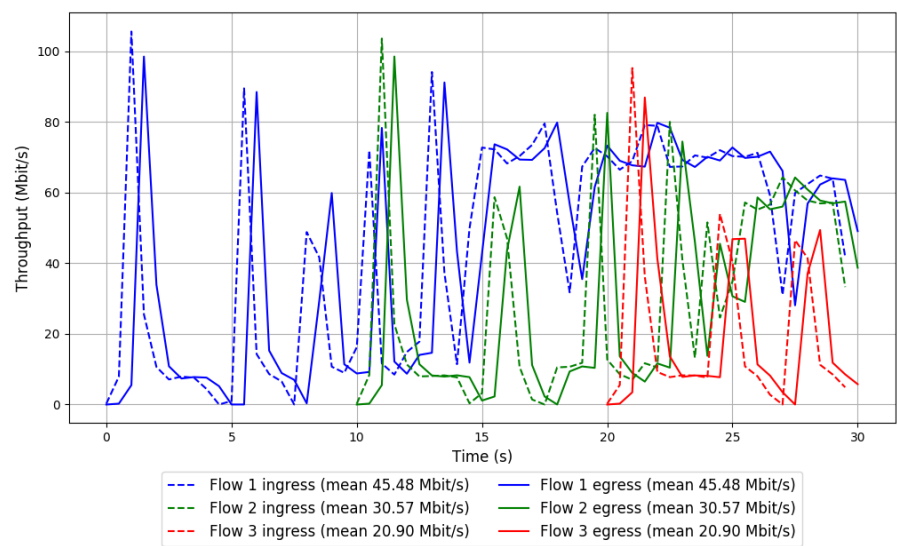


Run 2: Statistics of QUIC Cubic

Start at: 2018-06-07 05:36:10
End at: 2018-06-07 05:36:40
Local clock offset: -0.367 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-06-07 10:51:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.61 Mbit/s
95th percentile per-packet one-way delay: 51.130 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.48 Mbit/s
95th percentile per-packet one-way delay: 51.153 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 30.57 Mbit/s
95th percentile per-packet one-way delay: 50.102 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.90 Mbit/s
95th percentile per-packet one-way delay: 51.136 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-06-07 05:59:18

End at: 2018-06-07 05:59:48

Local clock offset: -0.28 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-06-07 10:51:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.72 Mbit/s

95th percentile per-packet one-way delay: 51.208 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 41.37 Mbit/s

95th percentile per-packet one-way delay: 51.090 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 29.20 Mbit/s

95th percentile per-packet one-way delay: 50.728 ms

Loss rate: 0.00%

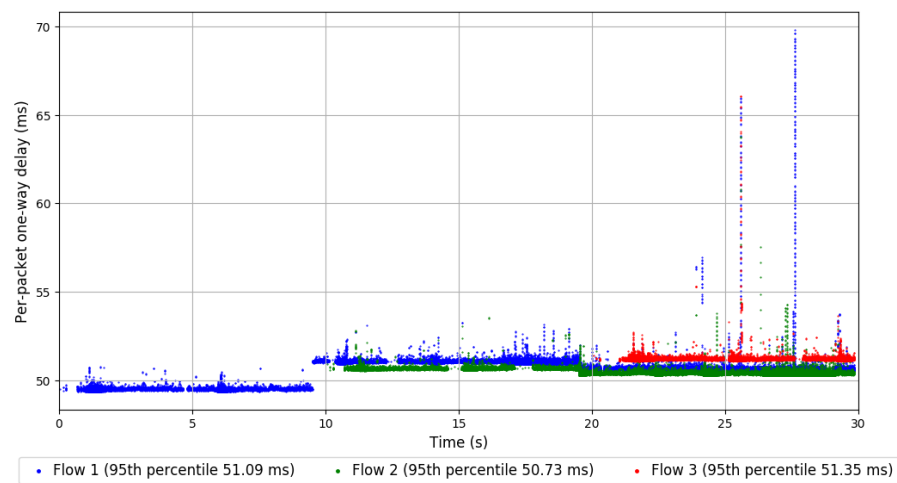
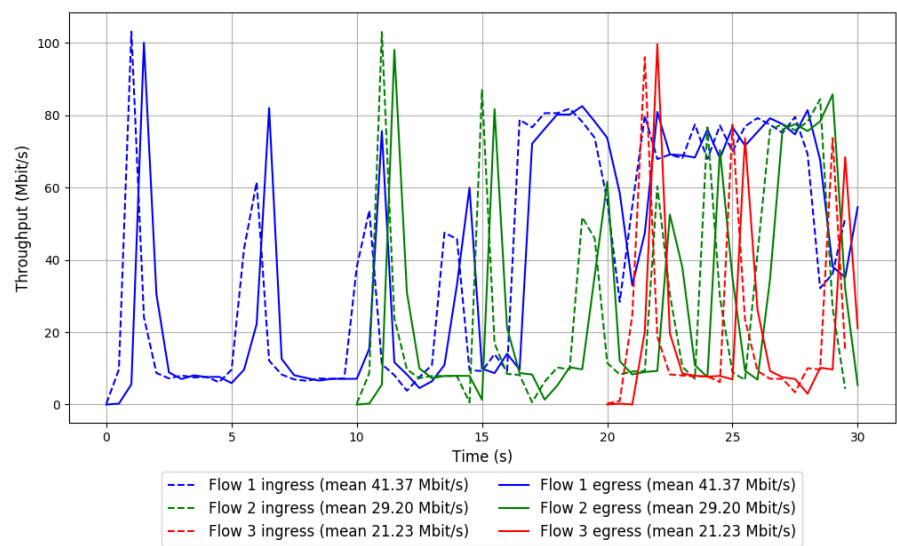
-- Flow 3:

Average throughput: 21.23 Mbit/s

95th percentile per-packet one-way delay: 51.353 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

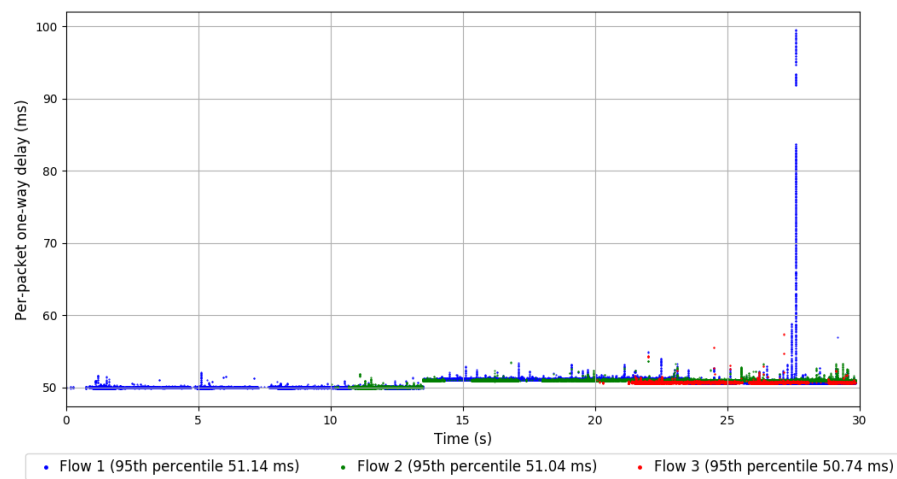
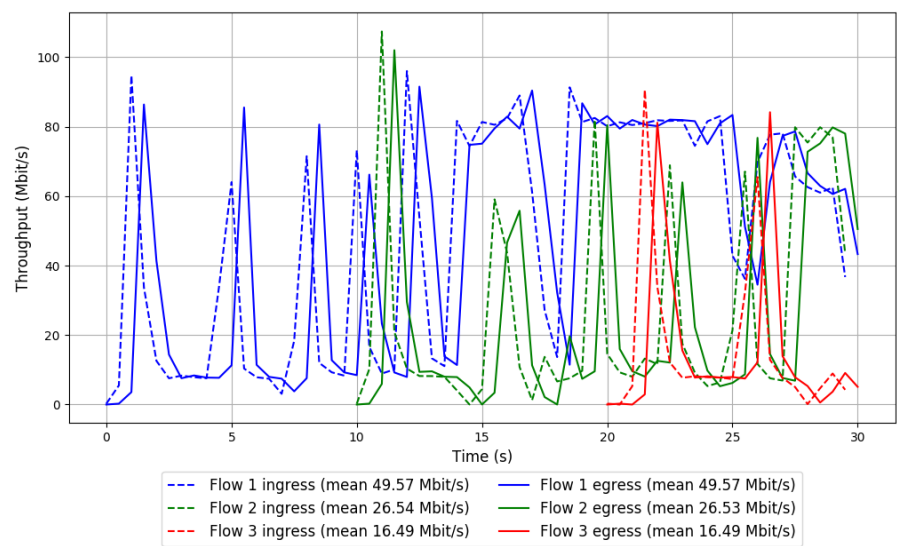


Run 4: Statistics of QUIC Cubic

Start at: 2018-06-07 06:22:34
End at: 2018-06-07 06:23:04
Local clock offset: -0.335 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-06-07 10:51:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.60 Mbit/s
95th percentile per-packet one-way delay: 51.125 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.57 Mbit/s
95th percentile per-packet one-way delay: 51.141 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 26.53 Mbit/s
95th percentile per-packet one-way delay: 51.041 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 16.49 Mbit/s
95th percentile per-packet one-way delay: 50.744 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-06-07 06:45:38

End at: 2018-06-07 06:46:08

Local clock offset: 0.022 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-06-07 10:51:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.02 Mbit/s

95th percentile per-packet one-way delay: 50.714 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 40.65 Mbit/s

95th percentile per-packet one-way delay: 50.620 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 28.72 Mbit/s

95th percentile per-packet one-way delay: 50.583 ms

Loss rate: 0.00%

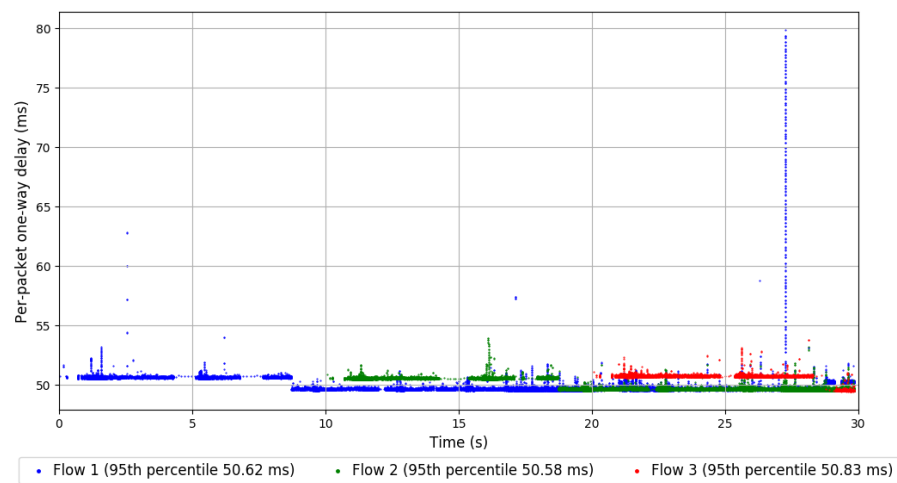
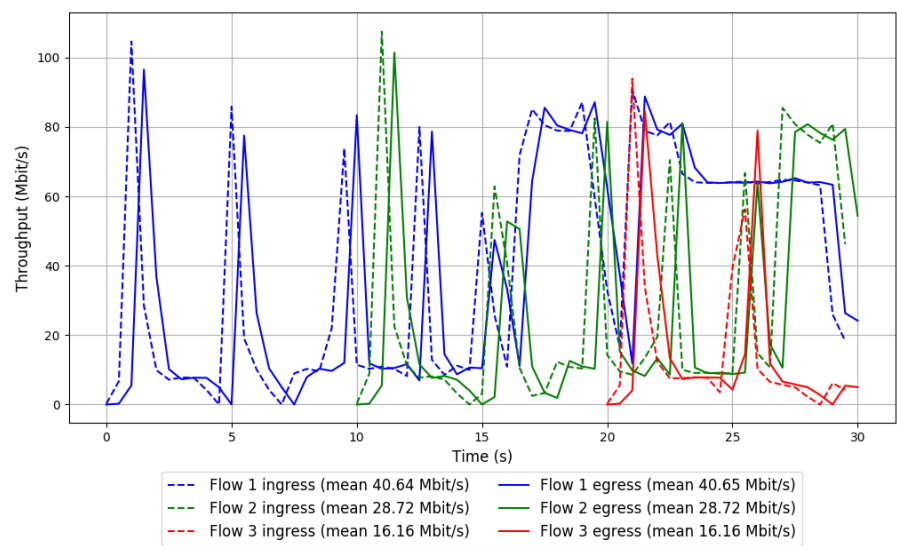
-- Flow 3:

Average throughput: 16.16 Mbit/s

95th percentile per-packet one-way delay: 50.830 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

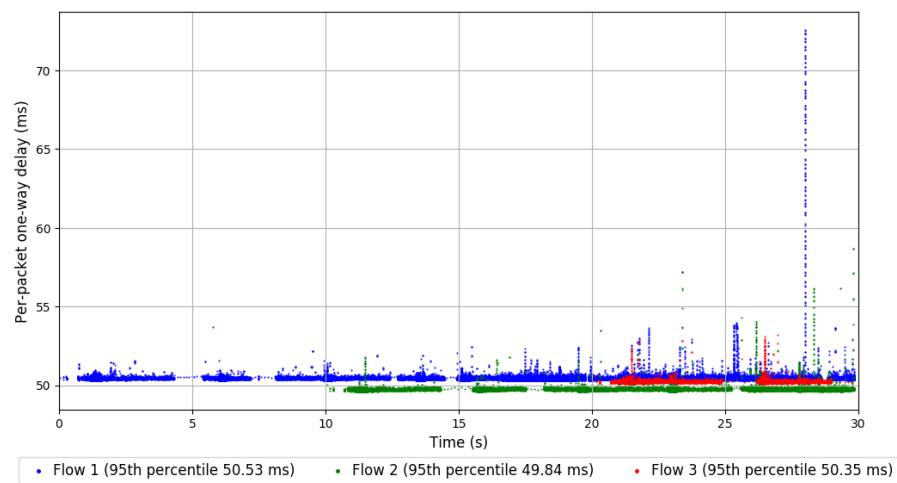
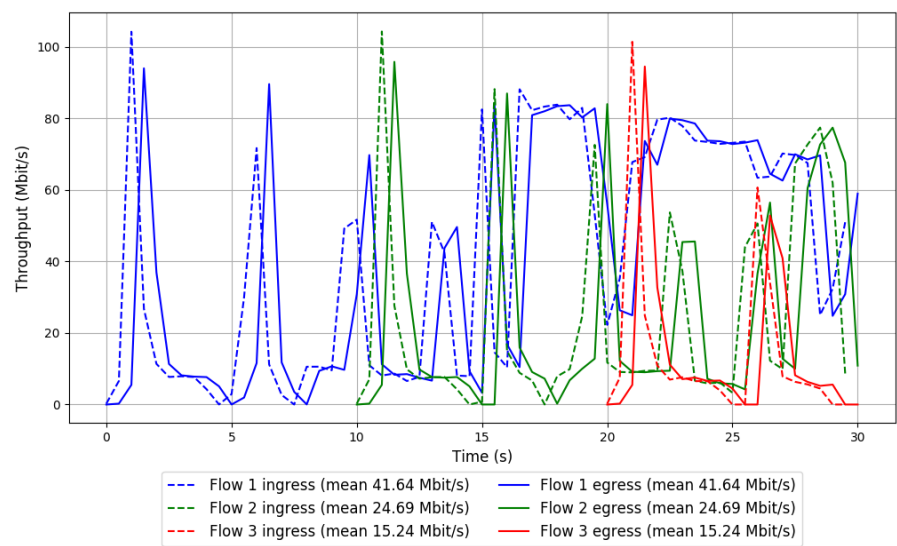


Run 6: Statistics of QUIC Cubic

Start at: 2018-06-07 07:08:47
End at: 2018-06-07 07:09:17
Local clock offset: -0.003 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-06-07 10:51:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.00 Mbit/s
95th percentile per-packet one-way delay: 50.506 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.64 Mbit/s
95th percentile per-packet one-way delay: 50.531 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 49.835 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.24 Mbit/s
95th percentile per-packet one-way delay: 50.351 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

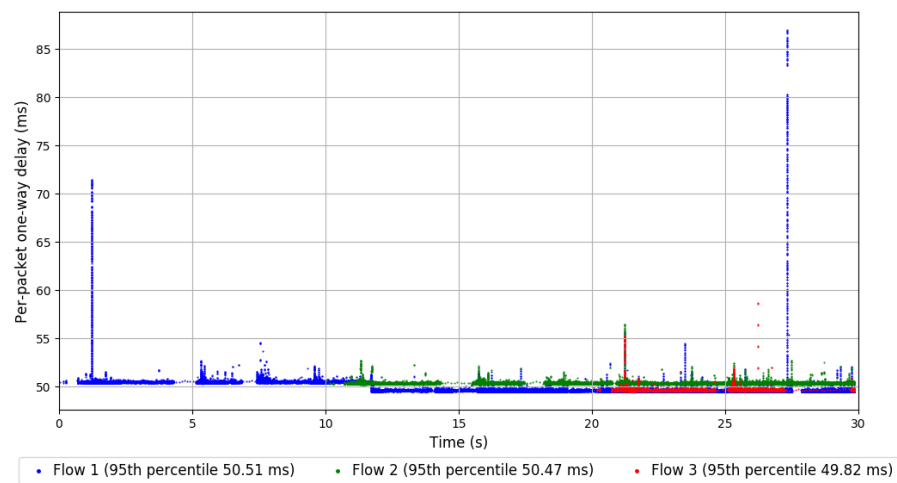
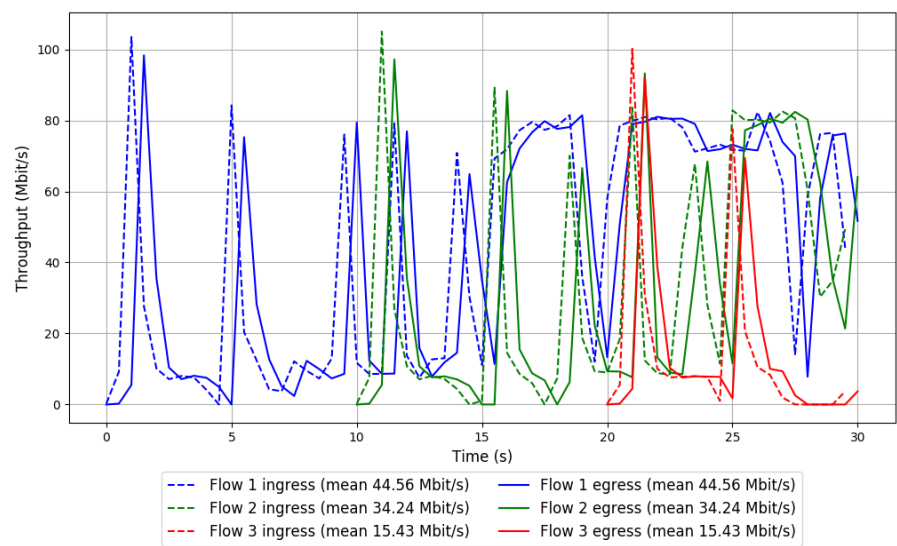


Run 7: Statistics of QUIC Cubic

Start at: 2018-06-07 07:31:55
End at: 2018-06-07 07:32:25
Local clock offset: 0.008 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-06-07 10:51:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.35 Mbit/s
95th percentile per-packet one-way delay: 50.489 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.56 Mbit/s
95th percentile per-packet one-way delay: 50.505 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.24 Mbit/s
95th percentile per-packet one-way delay: 50.471 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.43 Mbit/s
95th percentile per-packet one-way delay: 49.820 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

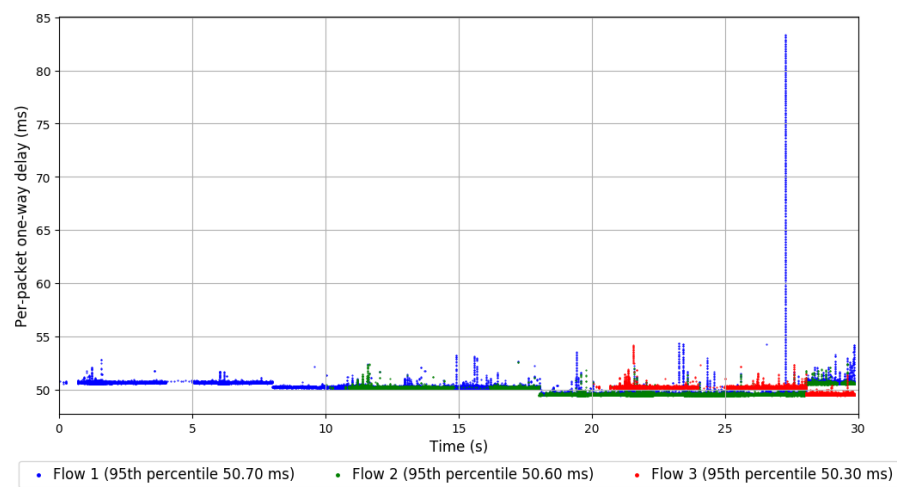
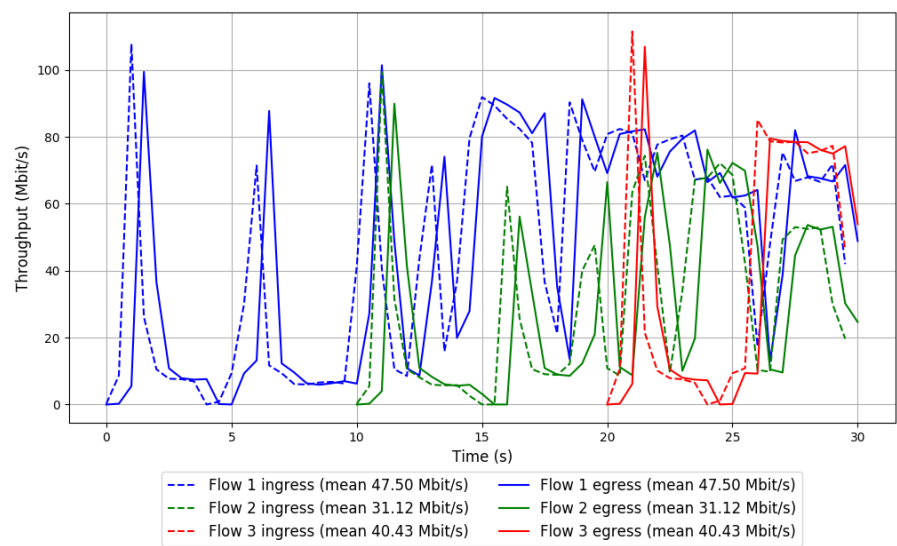


Run 8: Statistics of QUIC Cubic

Start at: 2018-06-07 07:55:09
End at: 2018-06-07 07:55:39
Local clock offset: 0.009 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-06-07 10:51:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.46 Mbit/s
95th percentile per-packet one-way delay: 50.670 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.50 Mbit/s
95th percentile per-packet one-way delay: 50.699 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.12 Mbit/s
95th percentile per-packet one-way delay: 50.597 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 40.43 Mbit/s
95th percentile per-packet one-way delay: 50.295 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-06-07 08:18:15

End at: 2018-06-07 08:18:45

Local clock offset: -0.001 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-06-07 10:51:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.38 Mbit/s

95th percentile per-packet one-way delay: 50.721 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 54.27 Mbit/s

95th percentile per-packet one-way delay: 50.734 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.48 Mbit/s

95th percentile per-packet one-way delay: 50.676 ms

Loss rate: 0.00%

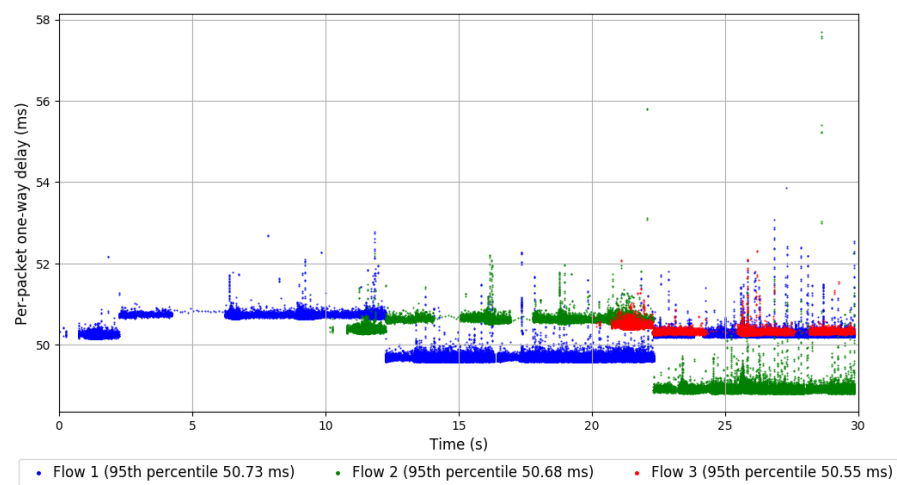
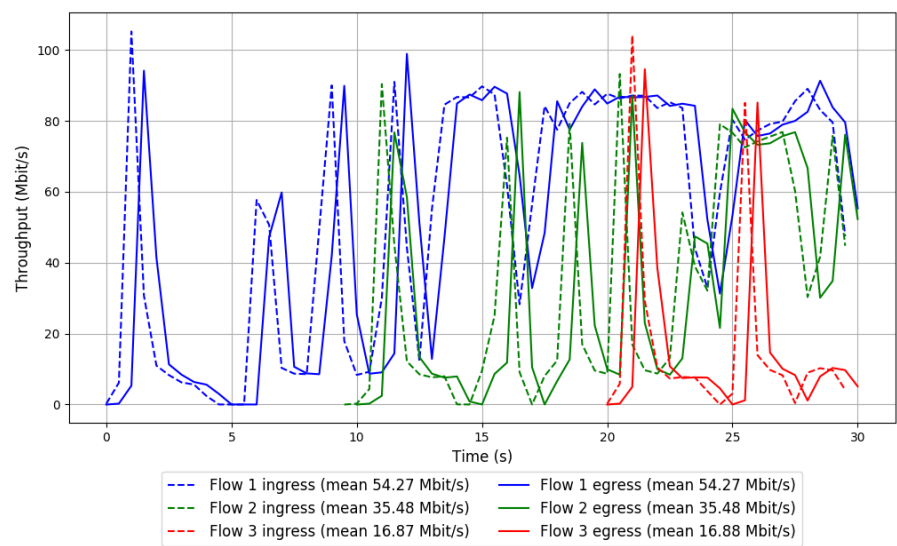
-- Flow 3:

Average throughput: 16.88 Mbit/s

95th percentile per-packet one-way delay: 50.552 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

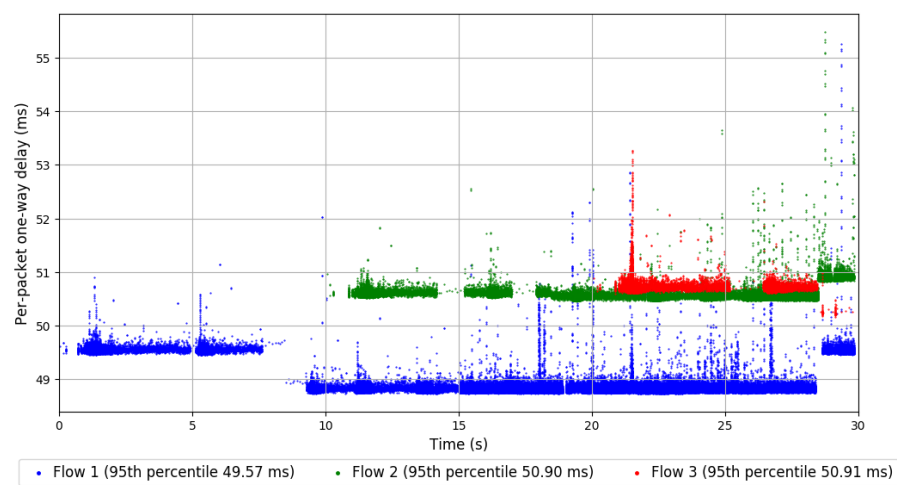
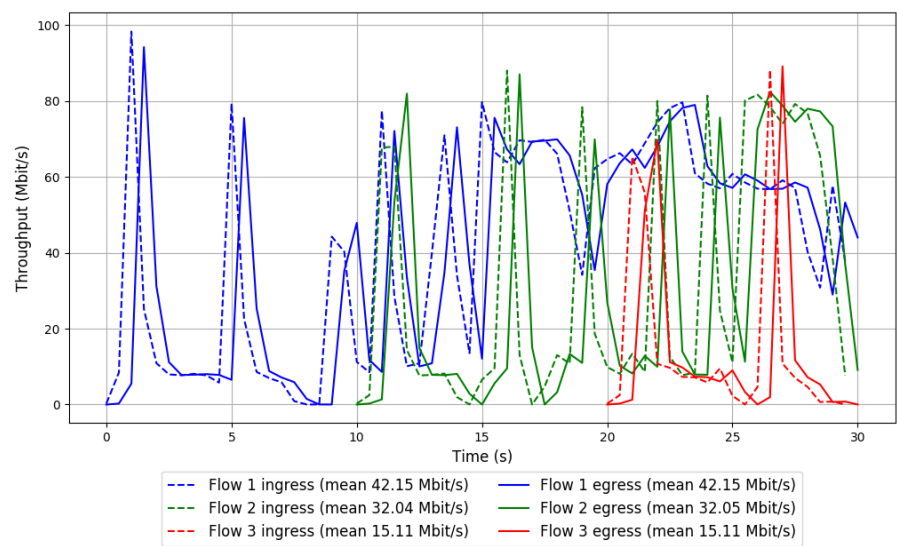


Run 10: Statistics of QUIC Cubic

Start at: 2018-06-07 08:41:29
End at: 2018-06-07 08:41:59
Local clock offset: 0.05 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-06-07 10:51:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.35 Mbit/s
95th percentile per-packet one-way delay: 50.771 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.15 Mbit/s
95th percentile per-packet one-way delay: 49.567 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.05 Mbit/s
95th percentile per-packet one-way delay: 50.901 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.11 Mbit/s
95th percentile per-packet one-way delay: 50.905 ms
Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

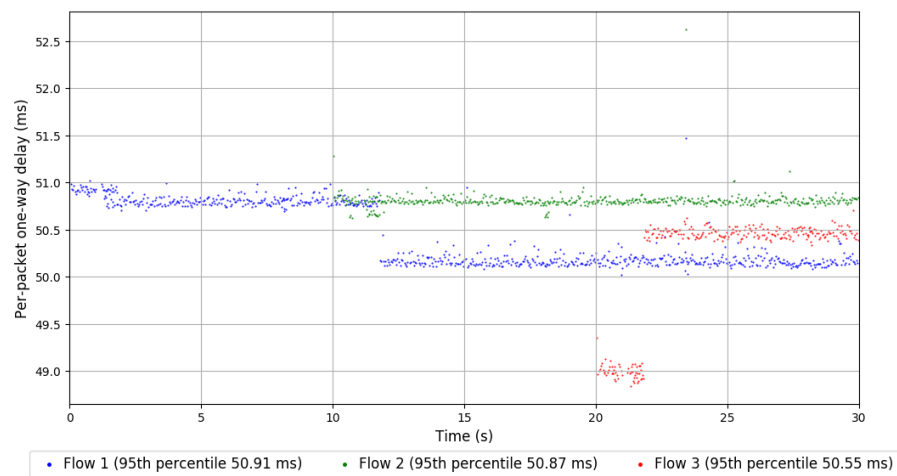
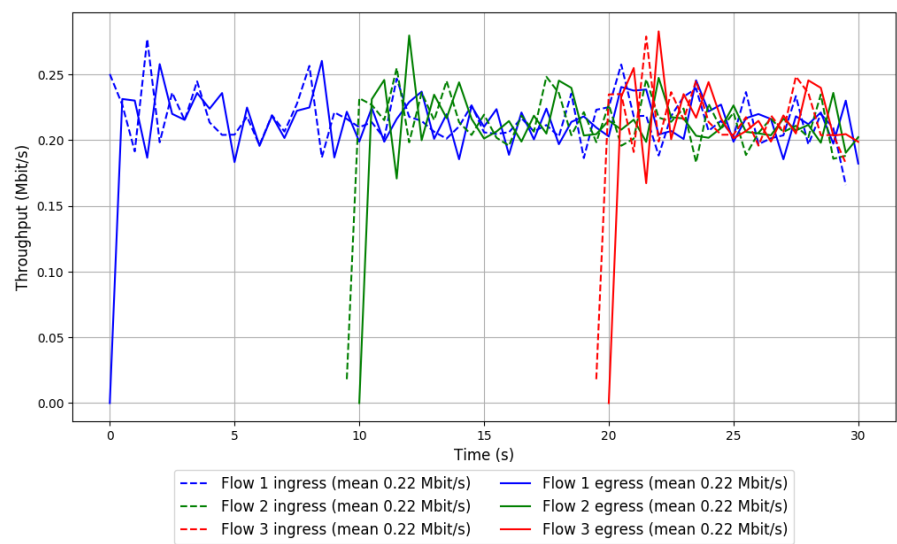


```
Run 1: Statistics of SReAM

Start at: 2018-06-07 05:08:55
End at: 2018-06-07 05:09:25
Local clock offset: -0.103 ms
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2018-06-07 10:51:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.888 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.912 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.871 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.549 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

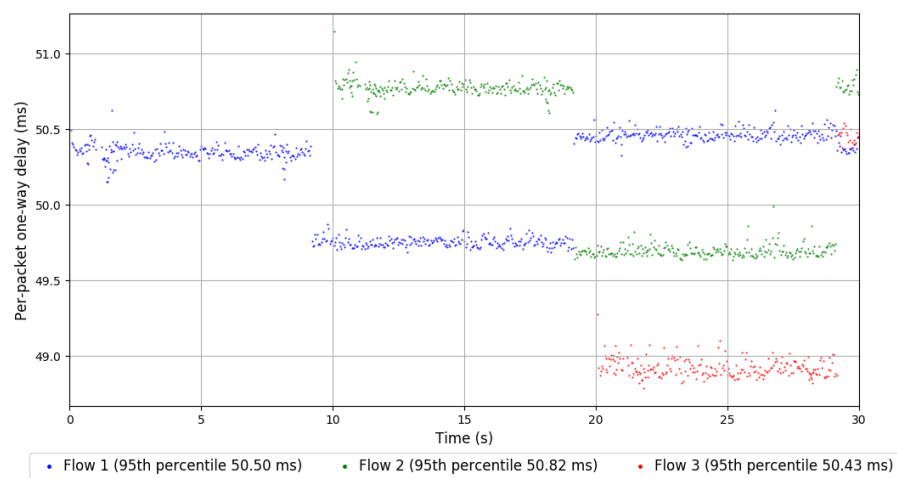
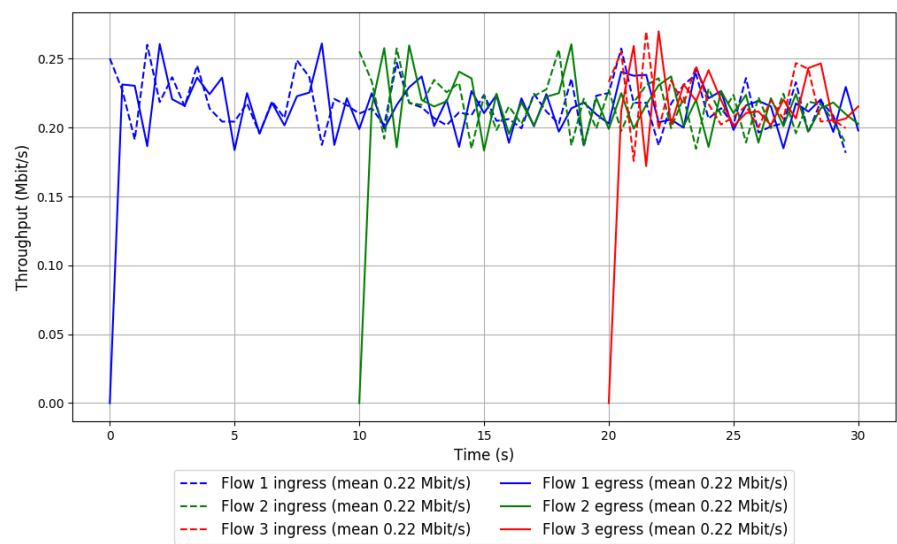


Run 2: Statistics of SReAM

Start at: 2018-06-07 05:32:08
End at: 2018-06-07 05:32:38
Local clock offset: 0.06 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-06-07 10:52:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.789 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.499 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.821 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.427 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

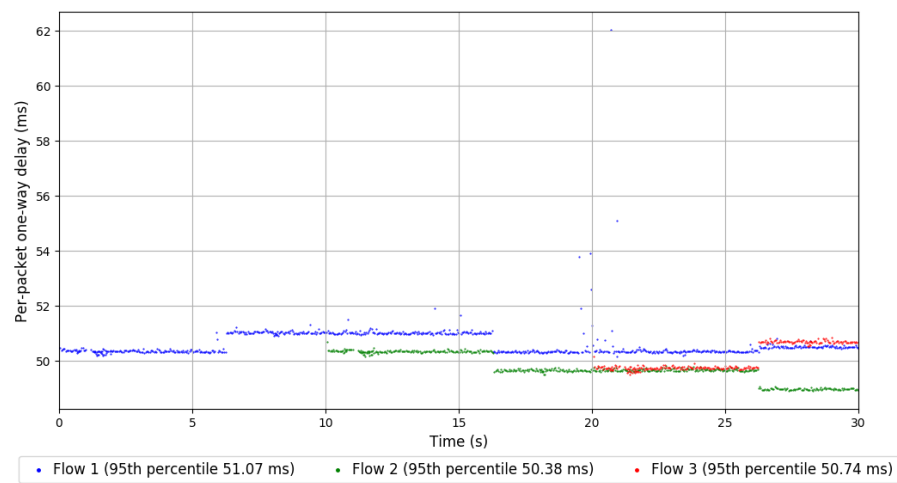
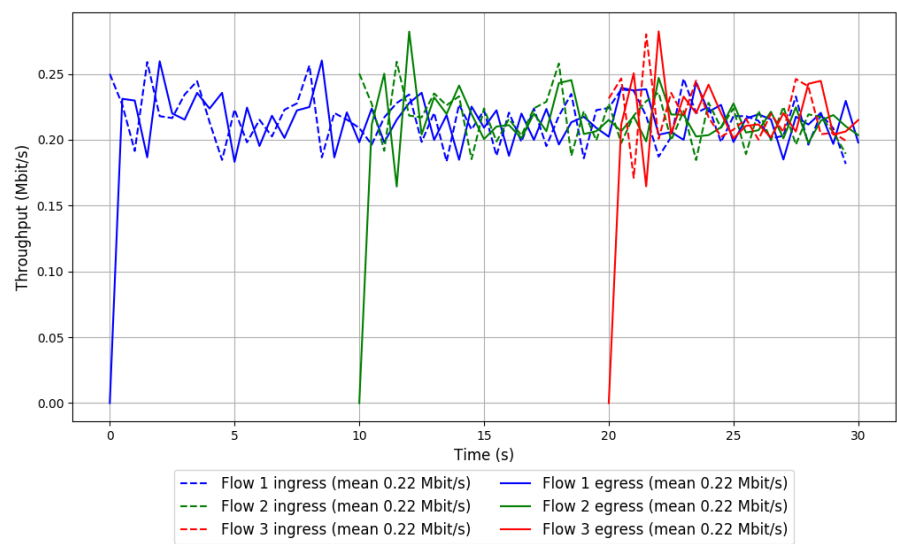


Run 3: Statistics of SReAM

Start at: 2018-06-07 05:55:21
End at: 2018-06-07 05:55:51
Local clock offset: 0.093 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-06-07 10:52:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 51.045 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.073 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.375 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.740 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

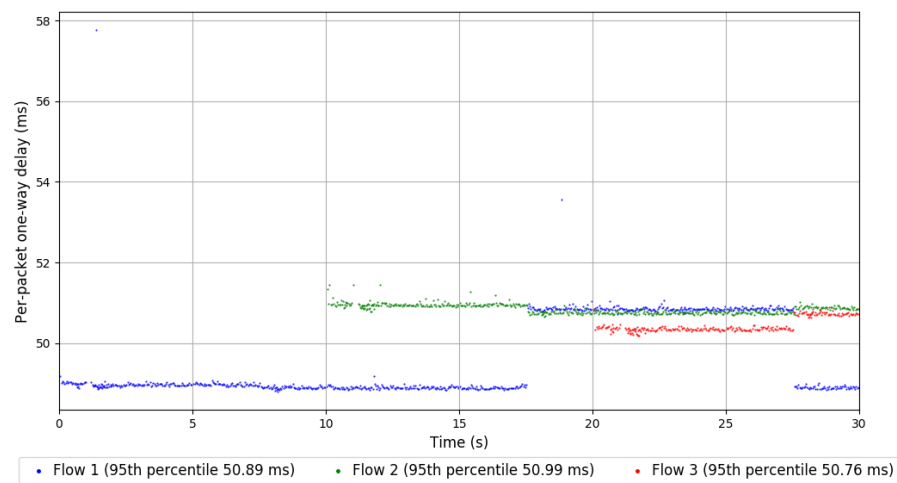
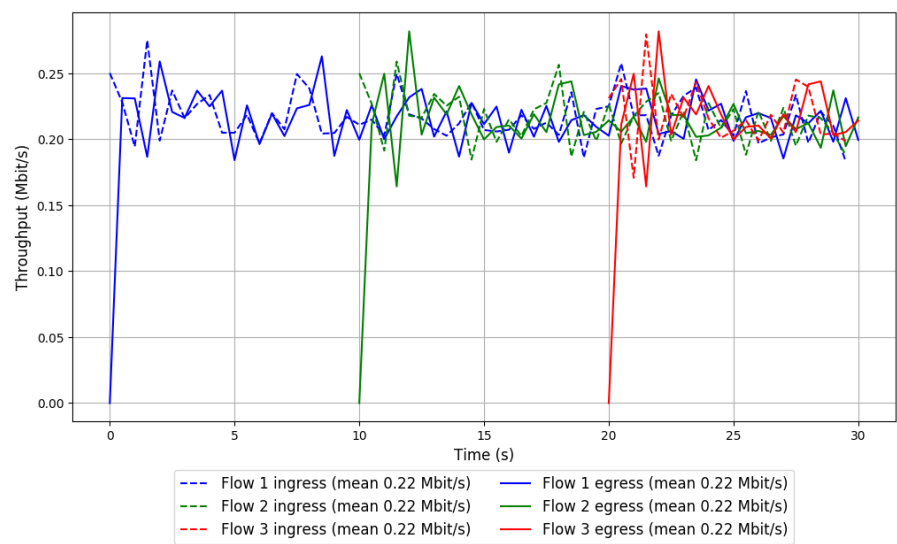


Run 4: Statistics of SReAM

Start at: 2018-06-07 06:18:30
End at: 2018-06-07 06:19:00
Local clock offset: 0.063 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-06-07 10:52:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.955 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.887 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.990 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.756 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

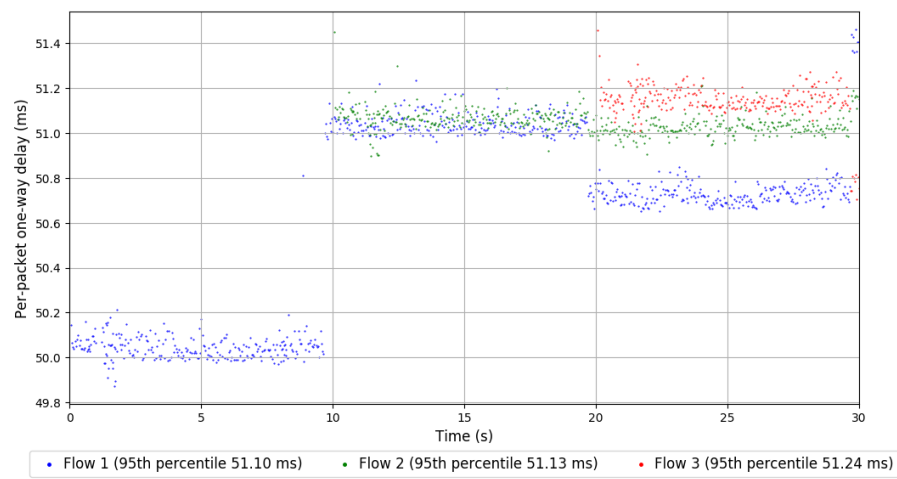
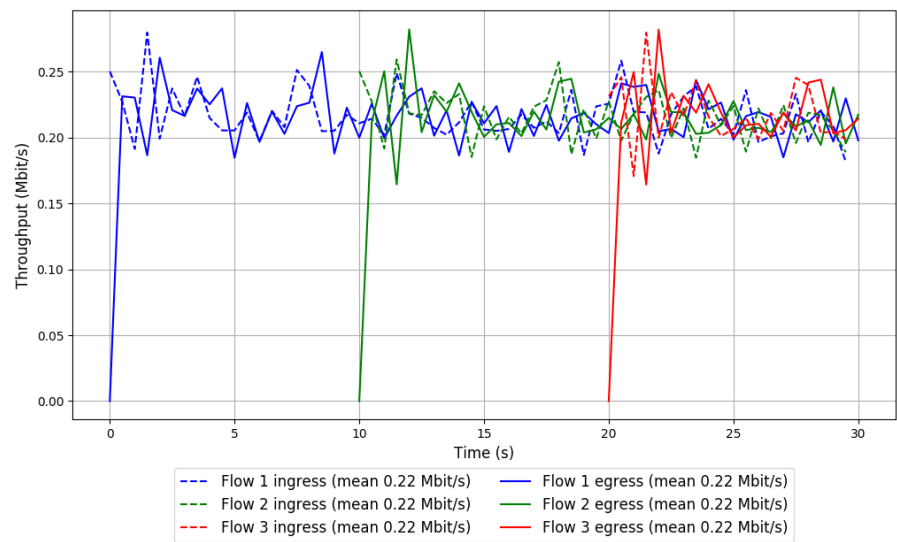


Run 5: Statistics of SReAM

Start at: 2018-06-07 06:41:38
End at: 2018-06-07 06:42:08
Local clock offset: -0.332 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-06-07 10:52:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 51.185 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.100 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.132 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.242 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-06-07 07:04:41

End at: 2018-06-07 07:05:11

Local clock offset: 0.383 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-06-07 10:52:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 50.400 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.408 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.440 ms

Loss rate: 0.00%

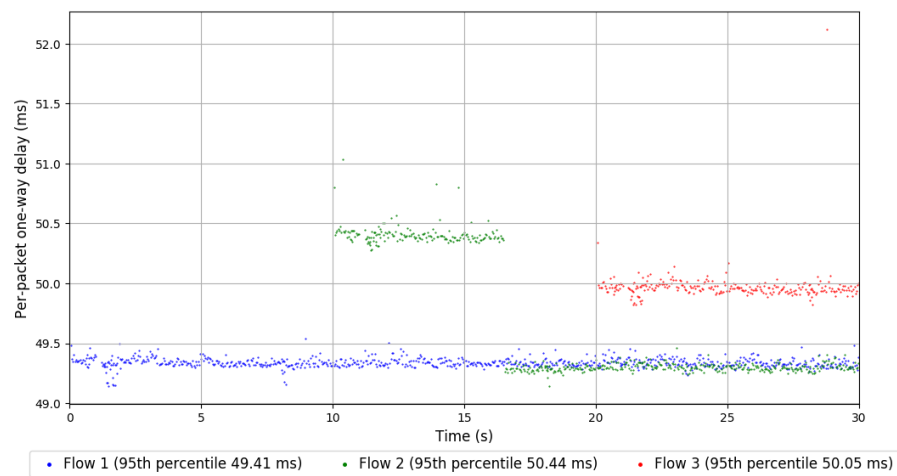
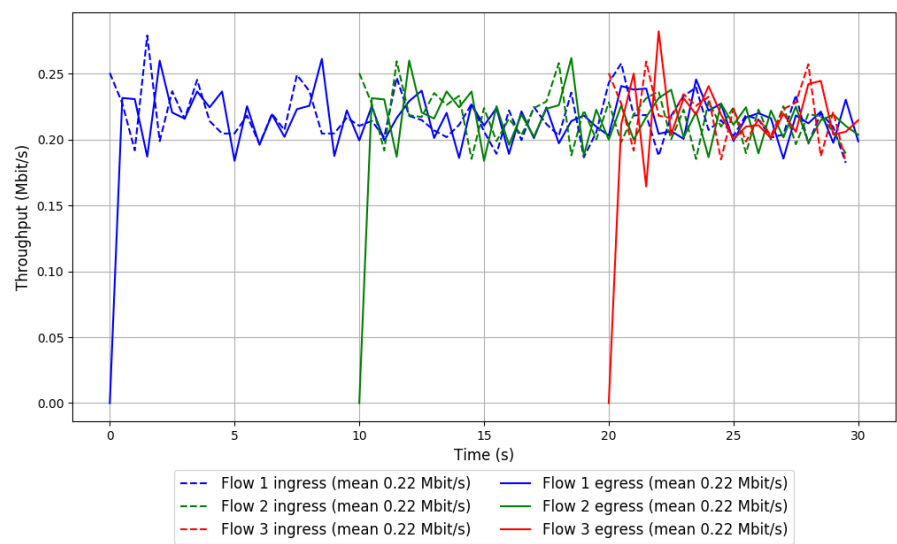
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.054 ms

Loss rate: 0.00%

Run 6: Report of SCReAM — Data Link

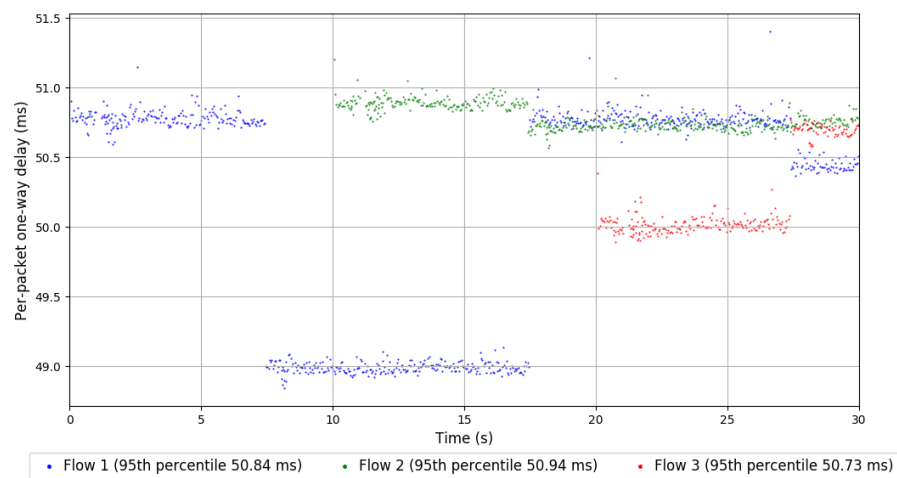
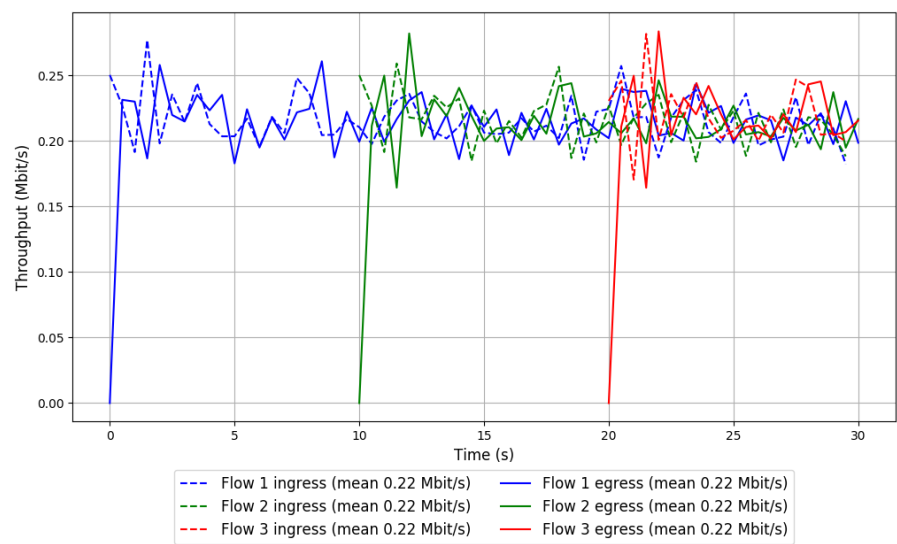


Run 7: Statistics of SReAM

Start at: 2018-06-07 07:28:00
End at: 2018-06-07 07:28:30
Local clock offset: 0.019 ms
Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-06-07 10:52:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.899 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.840 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.937 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.726 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-06-07 07:51:09

End at: 2018-06-07 07:51:39

Local clock offset: 0.001 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-06-07 10:52:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 50.510 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.080 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.470 ms

Loss rate: 0.00%

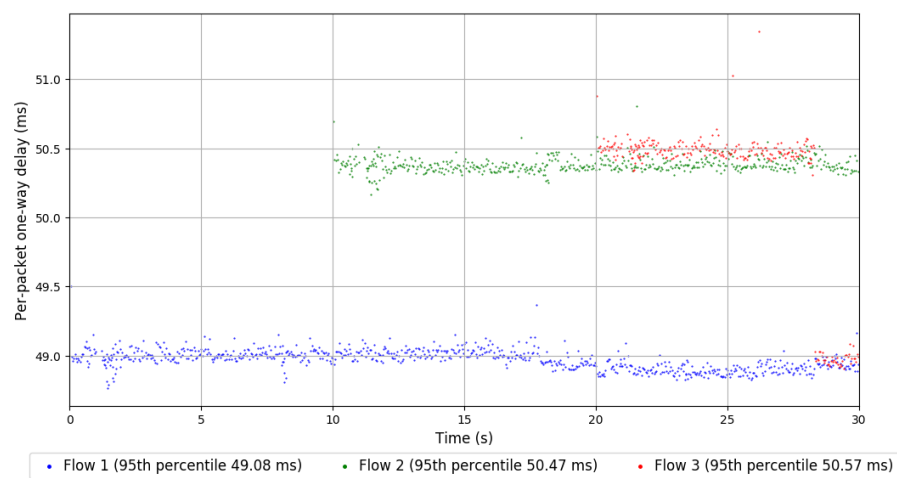
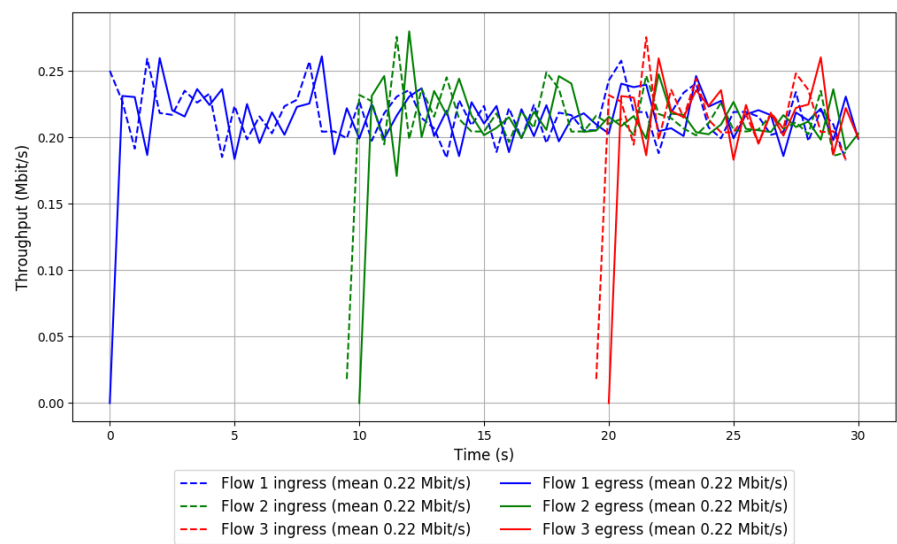
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.566 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-06-07 08:14:15

End at: 2018-06-07 08:14:45

Local clock offset: -0.016 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-06-07 10:52:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 50.832 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.860 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.473 ms

Loss rate: 0.00%

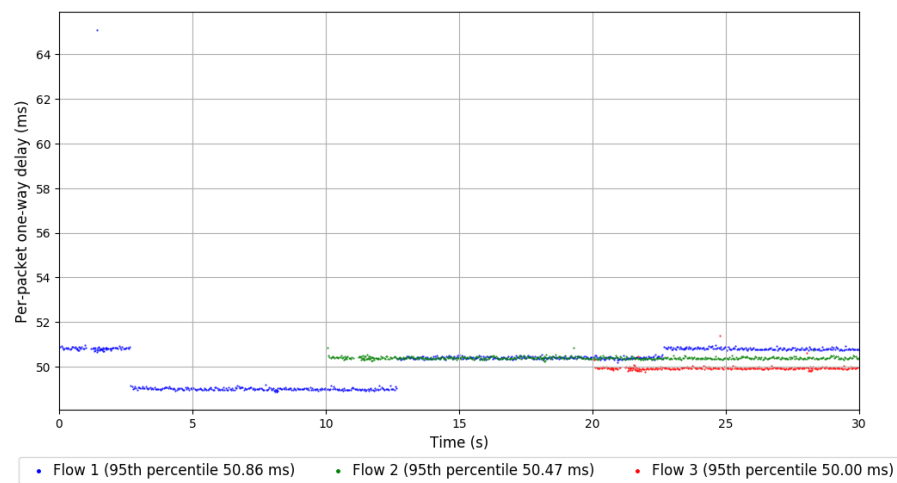
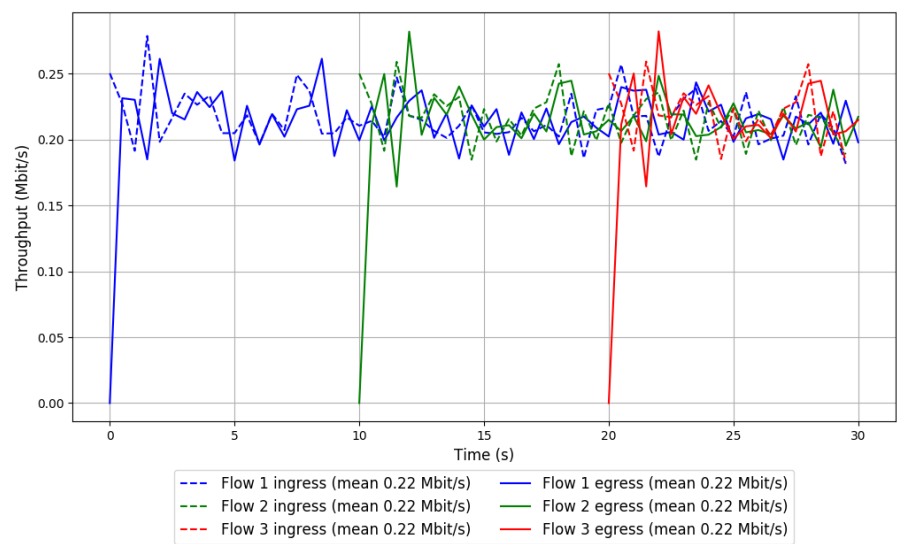
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.002 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-06-07 08:37:25

End at: 2018-06-07 08:37:55

Local clock offset: 0.452 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-06-07 10:52:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 50.500 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.520 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.575 ms

Loss rate: 0.00%

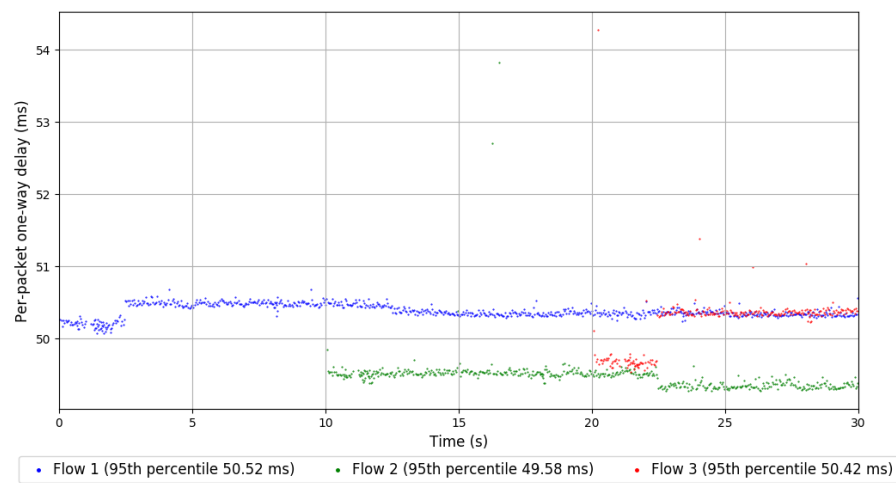
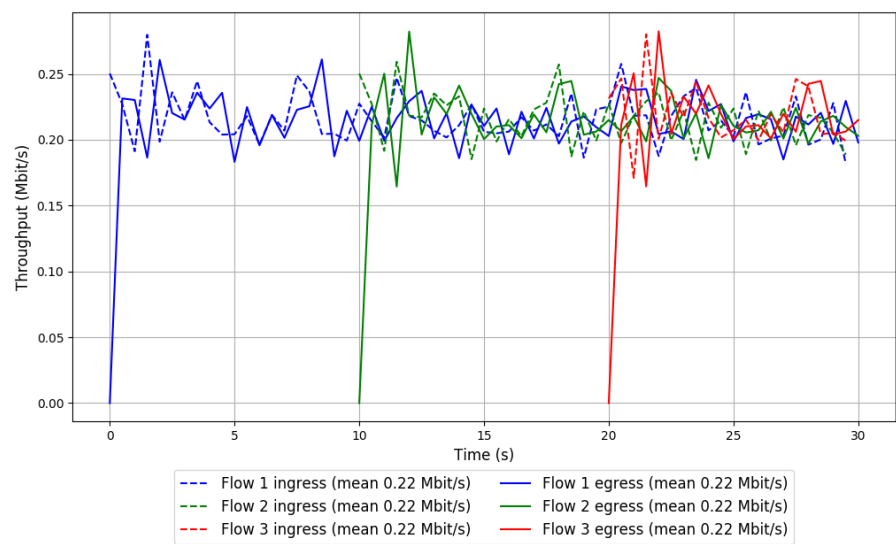
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.421 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

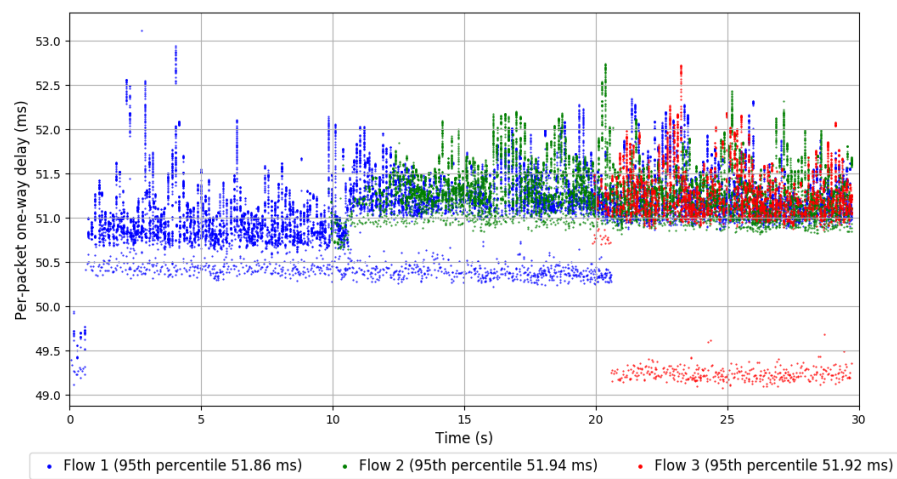
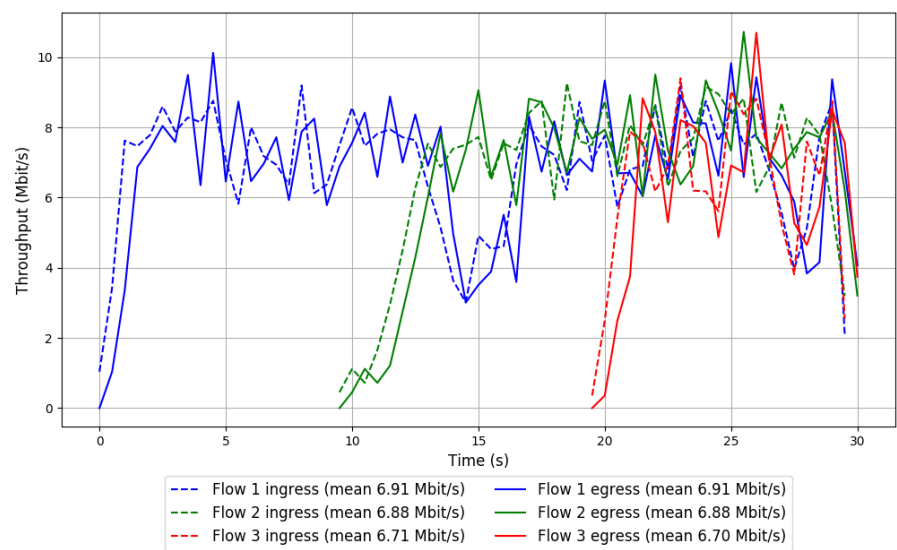


Run 1: Statistics of Sprout

Start at: 2018-06-07 05:05:46
End at: 2018-06-07 05:06:16
Local clock offset: -0.433 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-06-07 10:52:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.75 Mbit/s
95th percentile per-packet one-way delay: 51.903 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.91 Mbit/s
95th percentile per-packet one-way delay: 51.859 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.88 Mbit/s
95th percentile per-packet one-way delay: 51.939 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.70 Mbit/s
95th percentile per-packet one-way delay: 51.916 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

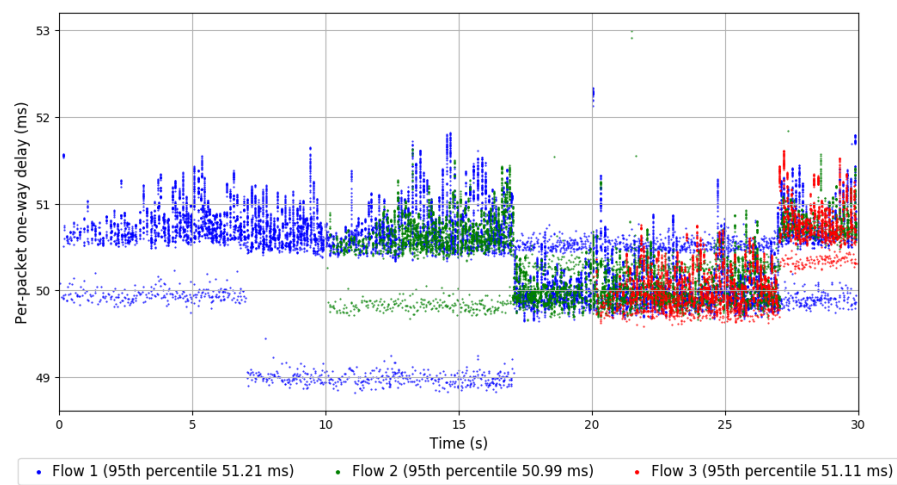
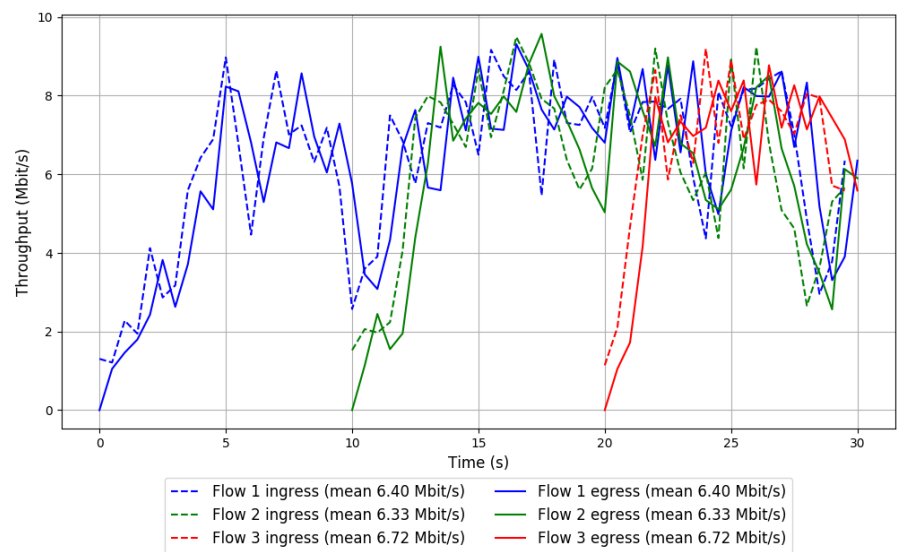


Run 2: Statistics of Sprout

Start at: 2018-06-07 05:29:00
End at: 2018-06-07 05:29:30
Local clock offset: -0.018 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-06-07 10:52:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.82 Mbit/s
95th percentile per-packet one-way delay: 51.140 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.40 Mbit/s
95th percentile per-packet one-way delay: 51.210 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.33 Mbit/s
95th percentile per-packet one-way delay: 50.991 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.72 Mbit/s
95th percentile per-packet one-way delay: 51.106 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

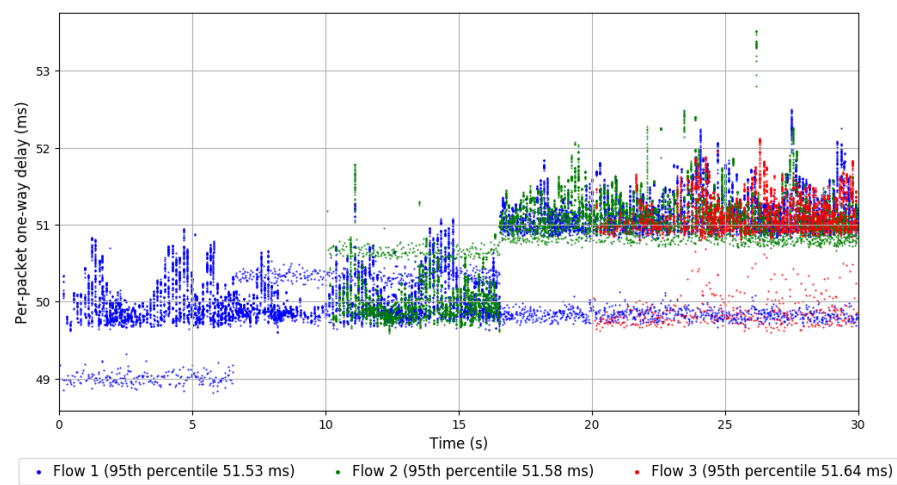
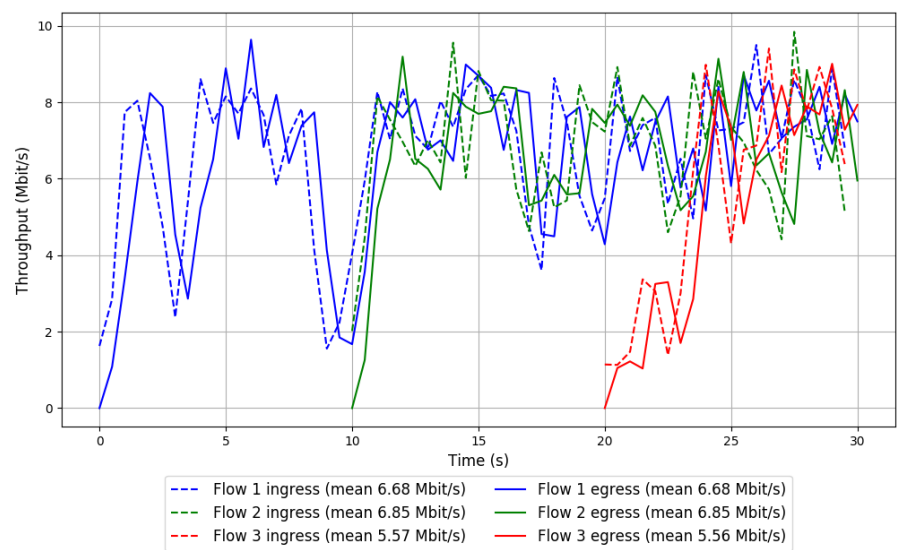


Run 3: Statistics of Sprout

Start at: 2018-06-07 05:52:11
End at: 2018-06-07 05:52:41
Local clock offset: 0.087 ms
Remote clock offset: -0.009 ms

```
# Below is generated by plot.py at 2018-06-07 10:52:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.07 Mbit/s
95th percentile per-packet one-way delay: 51.576 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.68 Mbit/s
95th percentile per-packet one-way delay: 51.535 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.85 Mbit/s
95th percentile per-packet one-way delay: 51.583 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.56 Mbit/s
95th percentile per-packet one-way delay: 51.636 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

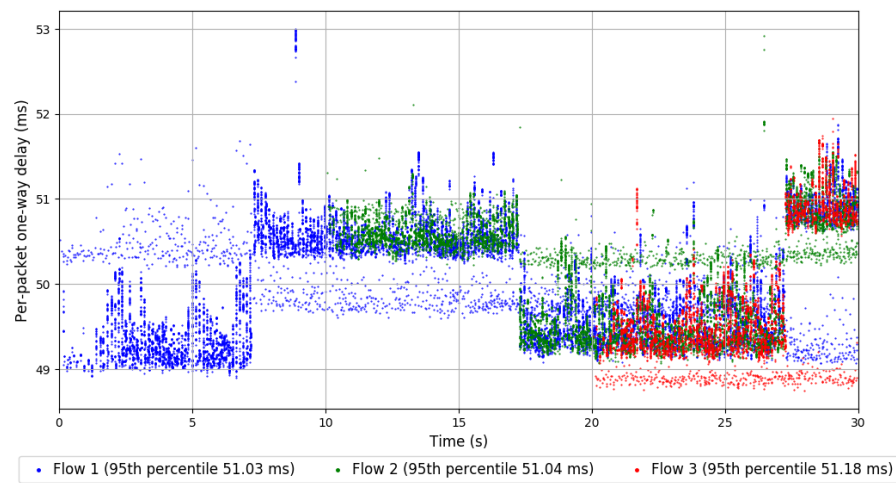
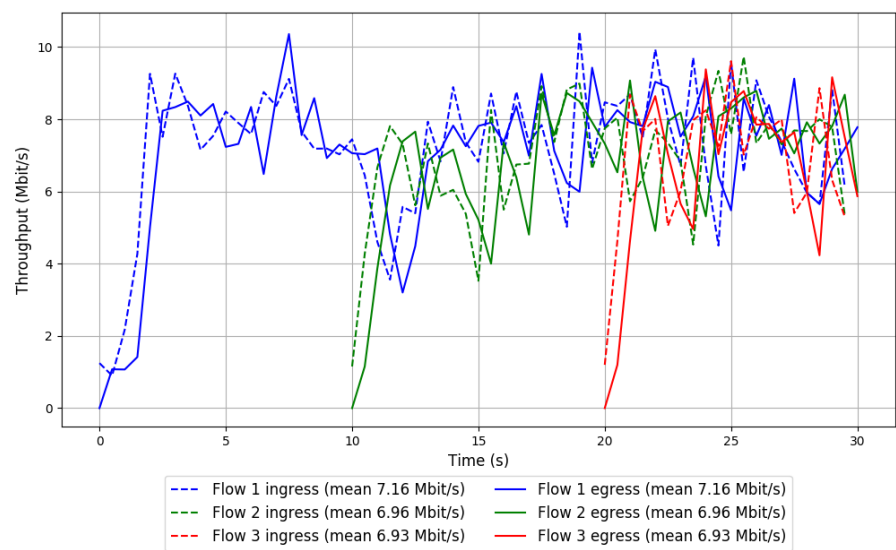


Run 4: Statistics of Sprout

Start at: 2018-06-07 06:15:20
End at: 2018-06-07 06:15:50
Local clock offset: 0.033 ms
Remote clock offset: -0.053 ms

```
# Below is generated by plot.py at 2018-06-07 10:52:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 14.09 Mbit/s
95th percentile per-packet one-way delay: 51.059 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.16 Mbit/s
95th percentile per-packet one-way delay: 51.033 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.96 Mbit/s
95th percentile per-packet one-way delay: 51.044 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.93 Mbit/s
95th percentile per-packet one-way delay: 51.182 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

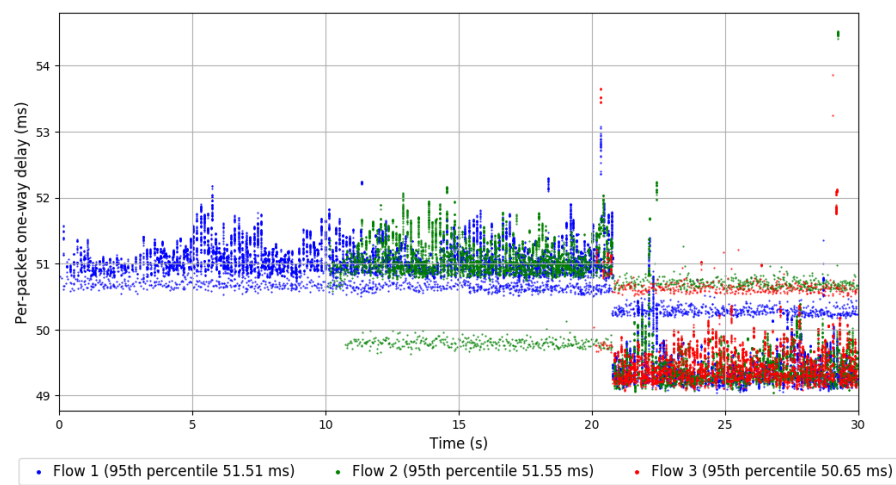
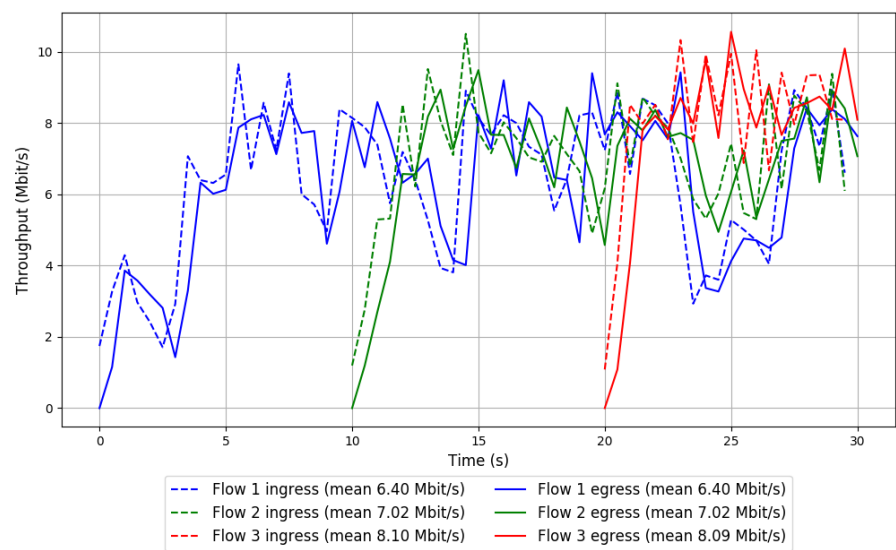


Run 5: Statistics of Sprout

Start at: 2018-06-07 06:38:26
End at: 2018-06-07 06:38:56
Local clock offset: 0.029 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-06-07 10:52:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.74 Mbit/s
95th percentile per-packet one-way delay: 51.491 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.40 Mbit/s
95th percentile per-packet one-way delay: 51.514 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.02 Mbit/s
95th percentile per-packet one-way delay: 51.545 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 8.09 Mbit/s
95th percentile per-packet one-way delay: 50.647 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

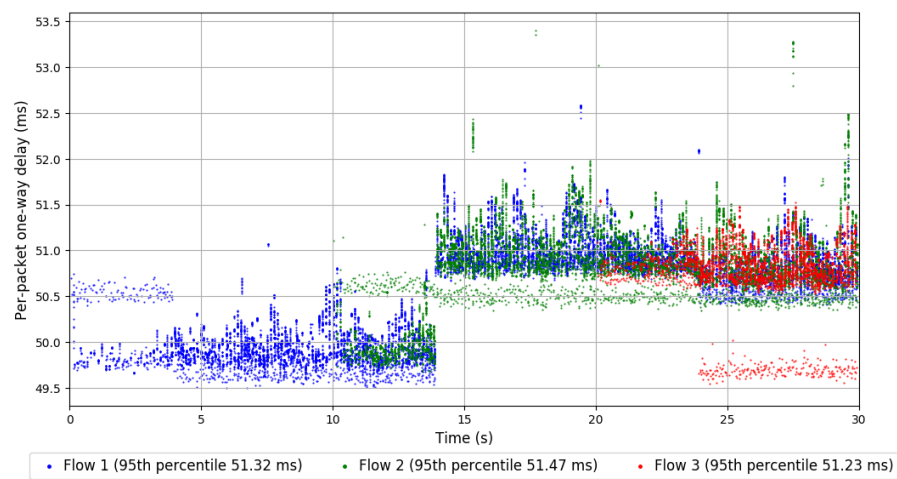
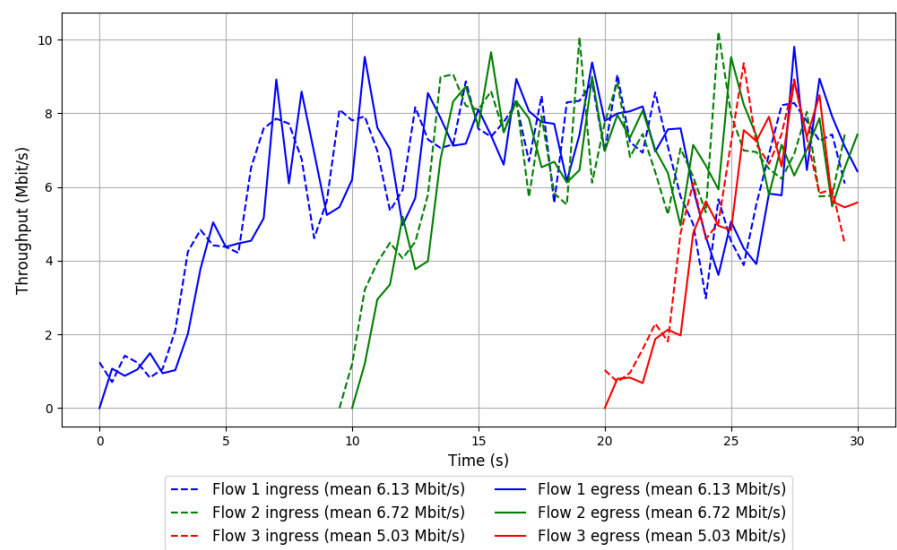


Run 6: Statistics of Sprout

Start at: 2018-06-07 07:01:33
End at: 2018-06-07 07:02:03
Local clock offset: -0.011 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-06-07 10:52:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.26 Mbit/s
95th percentile per-packet one-way delay: 51.373 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 6.13 Mbit/s
95th percentile per-packet one-way delay: 51.324 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.72 Mbit/s
95th percentile per-packet one-way delay: 51.470 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.03 Mbit/s
95th percentile per-packet one-way delay: 51.225 ms
Loss rate: 0.12%

Run 6: Report of Sprout — Data Link

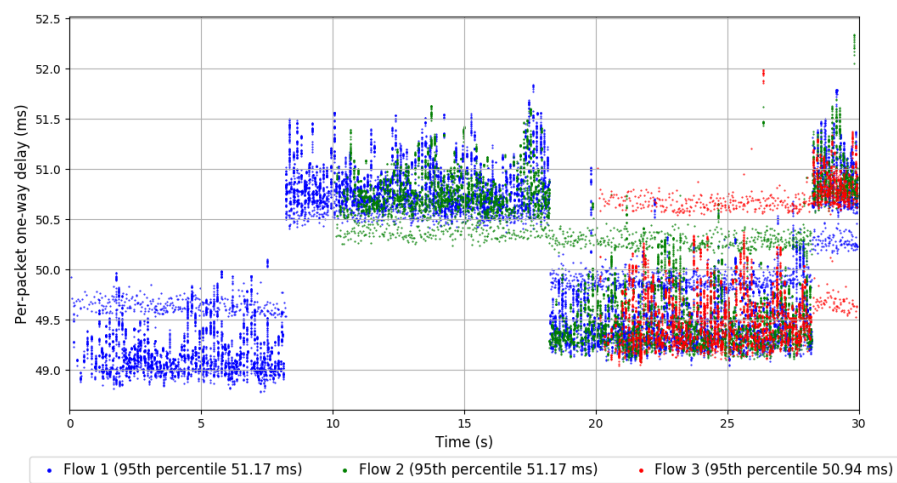
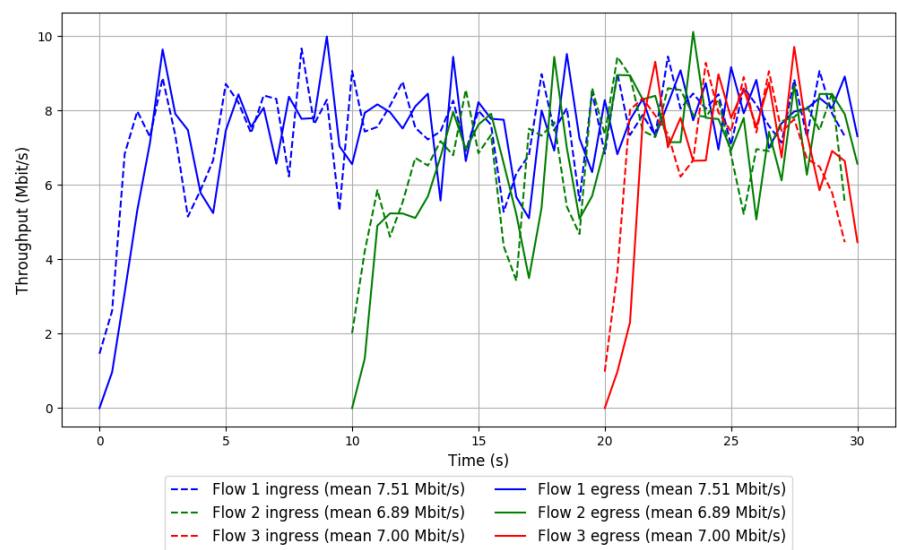


Run 7: Statistics of Sprout

Start at: 2018-06-07 07:24:49
End at: 2018-06-07 07:25:19
Local clock offset: 0.021 ms
Remote clock offset: -0.005 ms

```
# Below is generated by plot.py at 2018-06-07 10:52:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 14.39 Mbit/s
95th percentile per-packet one-way delay: 51.138 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.51 Mbit/s
95th percentile per-packet one-way delay: 51.168 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.89 Mbit/s
95th percentile per-packet one-way delay: 51.168 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.00 Mbit/s
95th percentile per-packet one-way delay: 50.939 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-06-07 07:47:59

End at: 2018-06-07 07:48:29

Local clock offset: 0.036 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-06-07 10:52:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.06 Mbit/s

95th percentile per-packet one-way delay: 51.248 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 6.05 Mbit/s

95th percentile per-packet one-way delay: 51.243 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.43 Mbit/s

95th percentile per-packet one-way delay: 51.243 ms

Loss rate: 0.00%

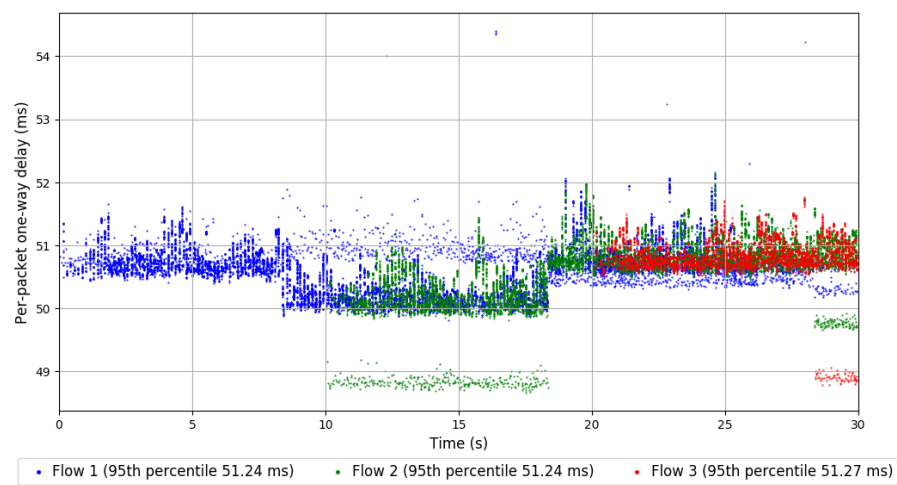
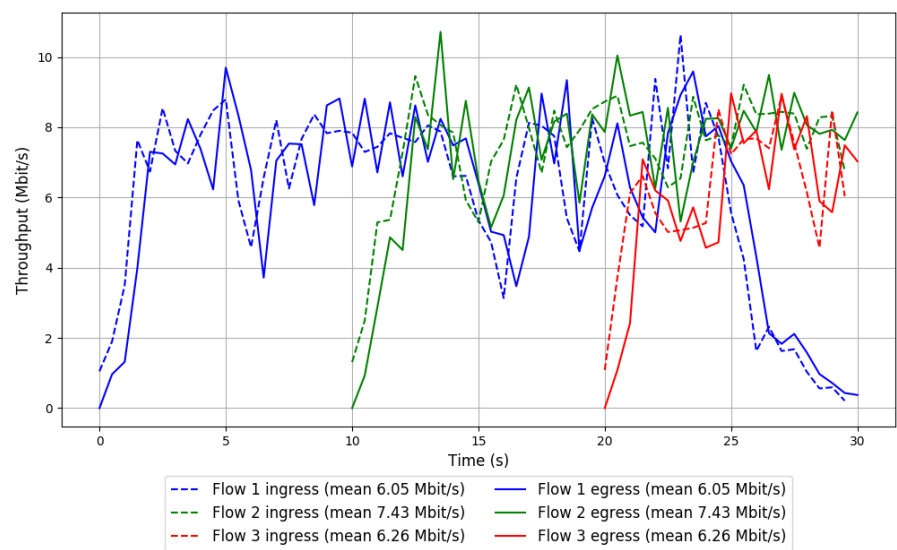
-- Flow 3:

Average throughput: 6.26 Mbit/s

95th percentile per-packet one-way delay: 51.275 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-06-07 08:11:06

End at: 2018-06-07 08:11:36

Local clock offset: 0.022 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-06-07 10:52:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 14.36 Mbit/s

95th percentile per-packet one-way delay: 50.881 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.14 Mbit/s

95th percentile per-packet one-way delay: 50.786 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.26 Mbit/s

95th percentile per-packet one-way delay: 50.952 ms

Loss rate: 0.00%

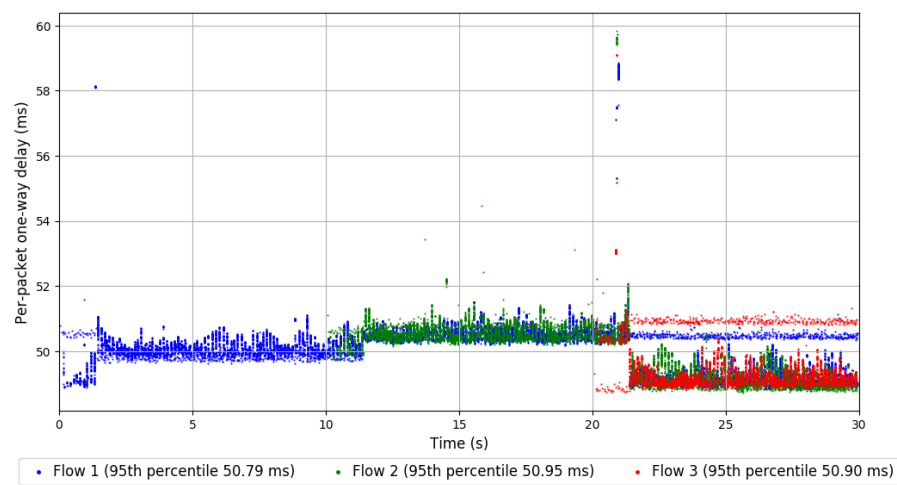
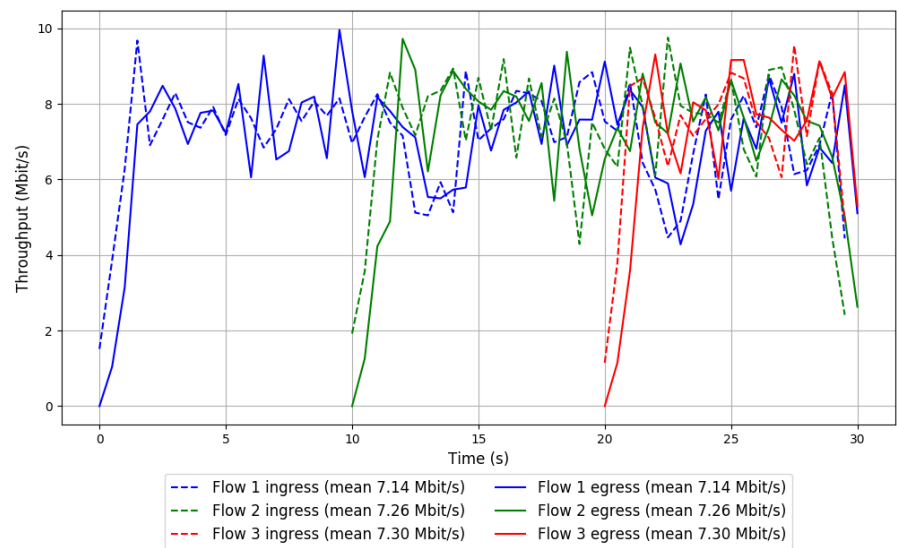
-- Flow 3:

Average throughput: 7.30 Mbit/s

95th percentile per-packet one-way delay: 50.900 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

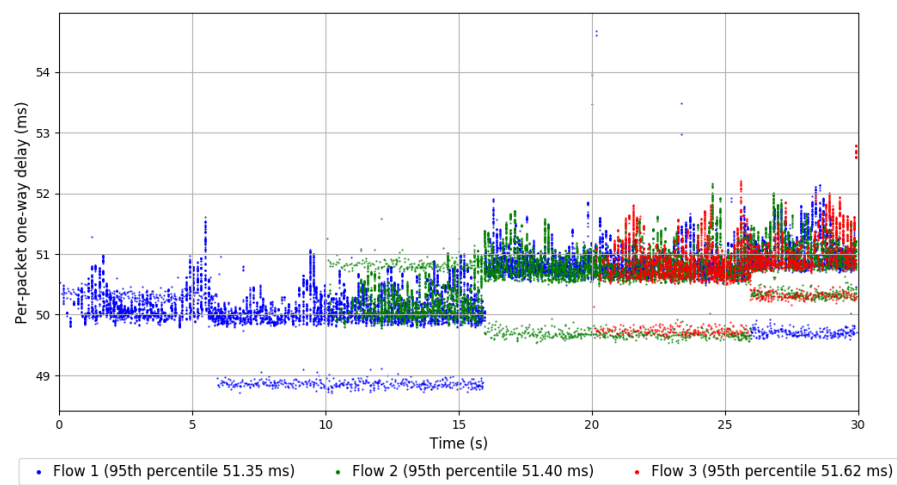
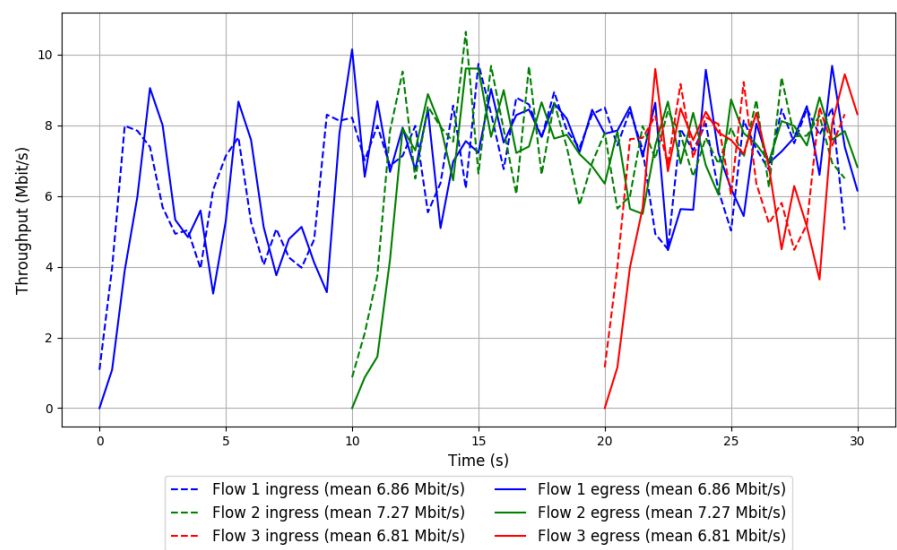


Run 10: Statistics of Sprout

Start at: 2018-06-07 08:34:11
End at: 2018-06-07 08:34:41
Local clock offset: 0.025 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-06-07 10:52:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.94 Mbit/s
95th percentile per-packet one-way delay: 51.445 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.86 Mbit/s
95th percentile per-packet one-way delay: 51.355 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.27 Mbit/s
95th percentile per-packet one-way delay: 51.397 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.81 Mbit/s
95th percentile per-packet one-way delay: 51.617 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

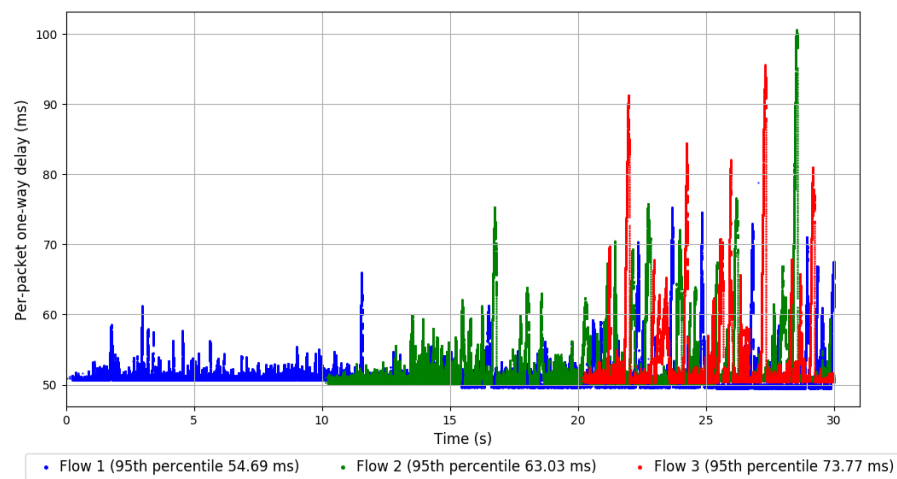
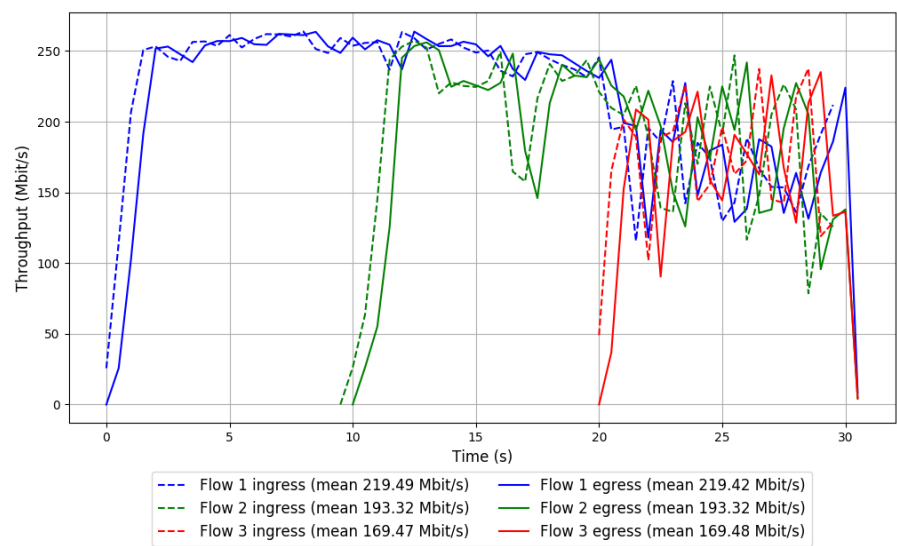


Run 1: Statistics of TaoVA-100x

Start at: 2018-06-07 05:24:42
End at: 2018-06-07 05:25:12
Local clock offset: -0.072 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-06-07 10:58:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 404.56 Mbit/s
95th percentile per-packet one-way delay: 61.212 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 219.42 Mbit/s
95th percentile per-packet one-way delay: 54.686 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 193.32 Mbit/s
95th percentile per-packet one-way delay: 63.035 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 169.48 Mbit/s
95th percentile per-packet one-way delay: 73.765 ms
Loss rate: 0.00%

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

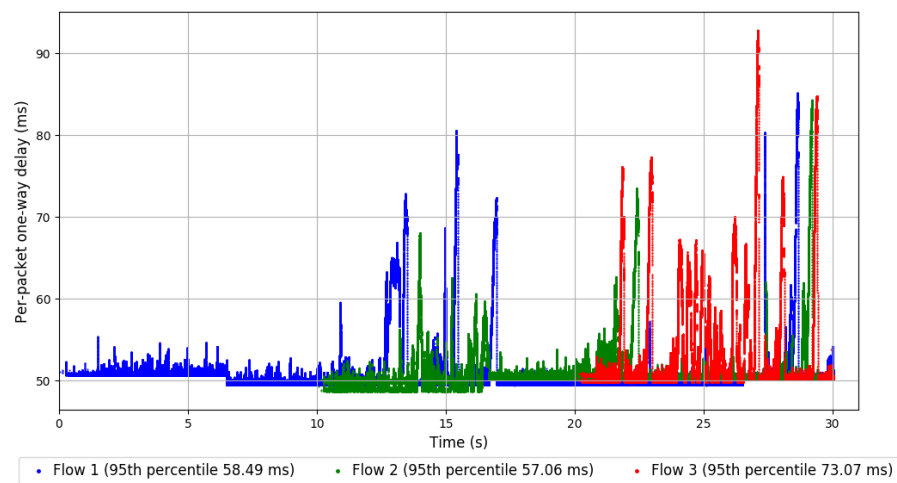
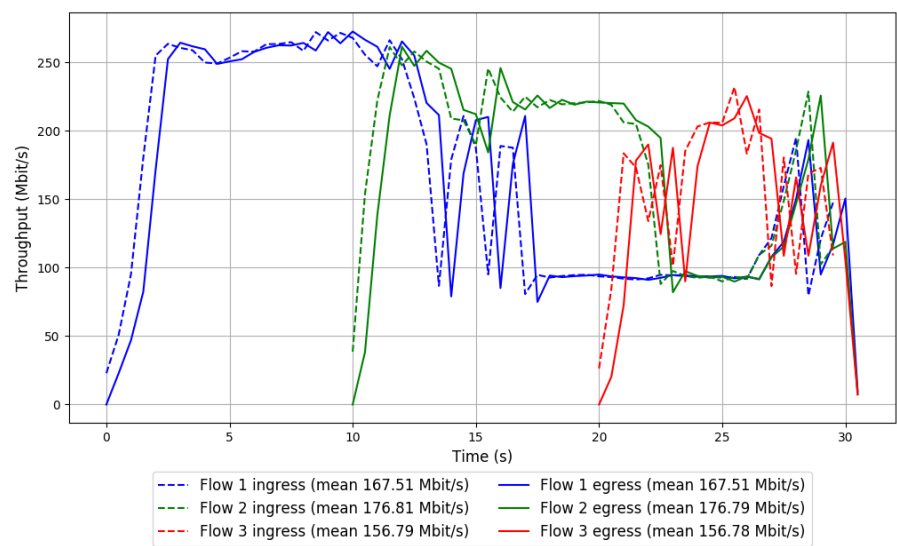


Run 2: Statistics of TaoVA-100x

Start at: 2018-06-07 05:48:01
End at: 2018-06-07 05:48:31
Local clock offset: 0.073 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-06-07 10:58:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 337.33 Mbit/s
95th percentile per-packet one-way delay: 62.603 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 167.51 Mbit/s
95th percentile per-packet one-way delay: 58.490 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 176.79 Mbit/s
95th percentile per-packet one-way delay: 57.057 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 156.78 Mbit/s
95th percentile per-packet one-way delay: 73.072 ms
Loss rate: 0.01%

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

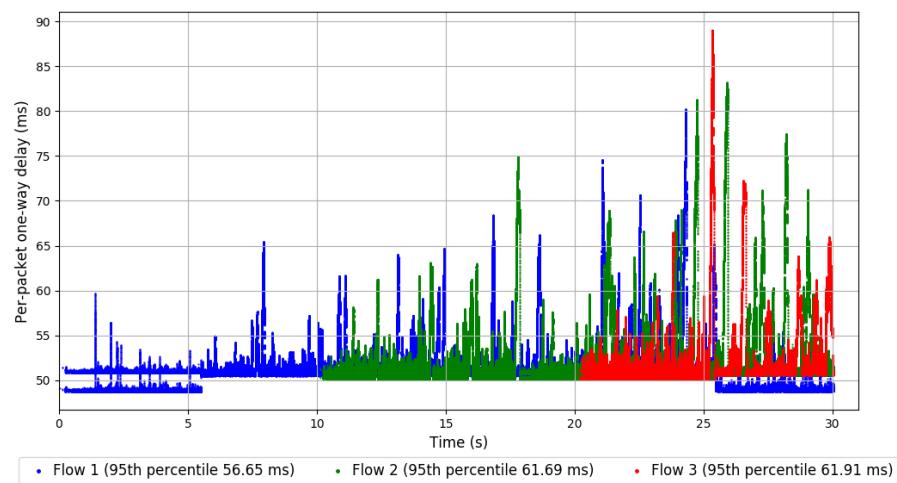
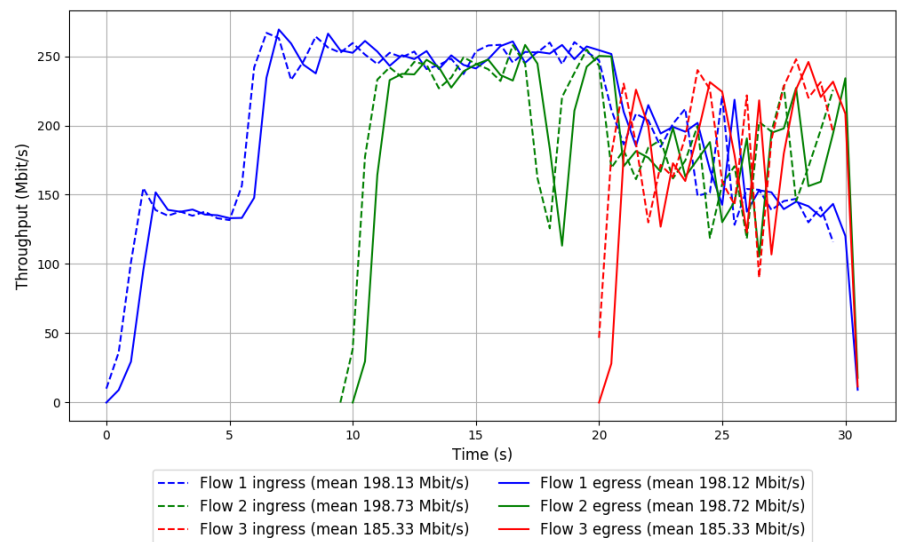


Run 3: Statistics of TaoVA-100x

Start at: 2018-06-07 06:11:02
End at: 2018-06-07 06:11:32
Local clock offset: 0.056 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-06-07 10:58:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 392.10 Mbit/s
95th percentile per-packet one-way delay: 59.783 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 198.12 Mbit/s
95th percentile per-packet one-way delay: 56.653 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 198.72 Mbit/s
95th percentile per-packet one-way delay: 61.688 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 185.33 Mbit/s
95th percentile per-packet one-way delay: 61.906 ms
Loss rate: 0.00%

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

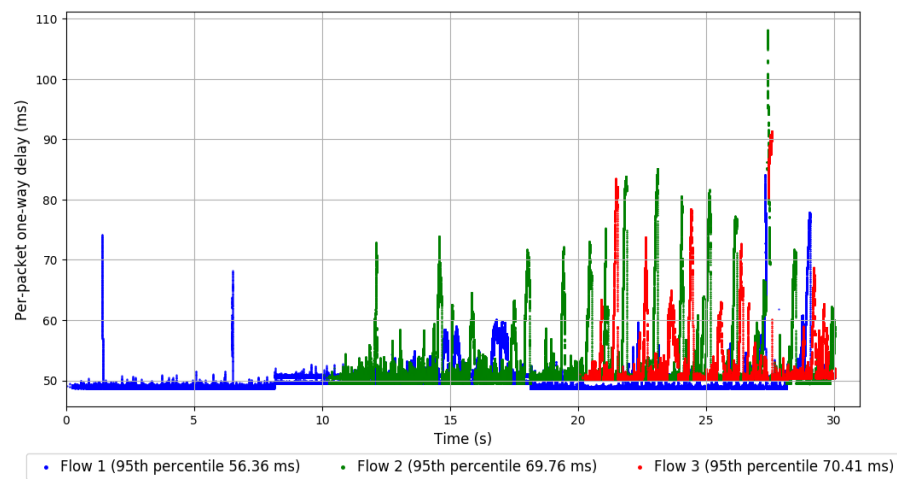
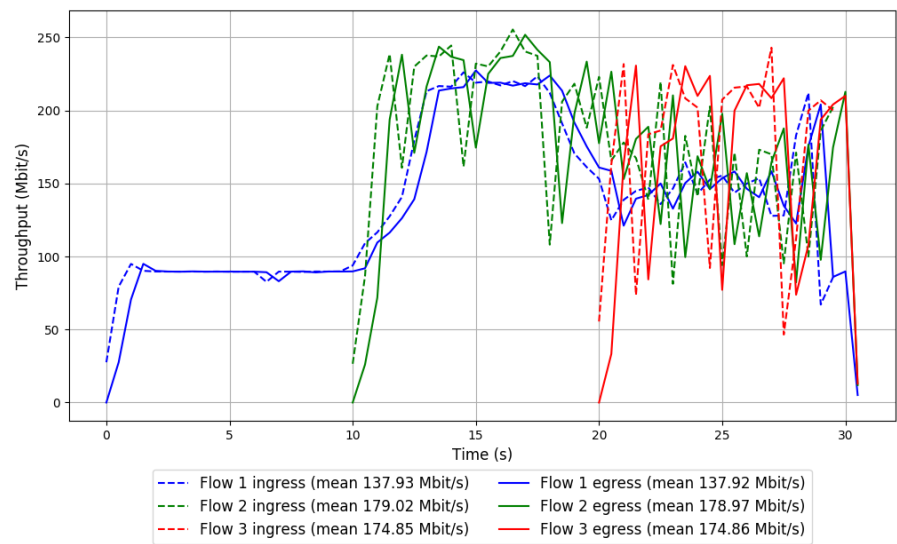


Run 4: Statistics of TaoVA-100x

Start at: 2018-06-07 06:34:19
End at: 2018-06-07 06:34:49
Local clock offset: 0.075 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-06-07 10:58:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 315.10 Mbit/s
95th percentile per-packet one-way delay: 65.137 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 137.92 Mbit/s
95th percentile per-packet one-way delay: 56.364 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 178.97 Mbit/s
95th percentile per-packet one-way delay: 69.762 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 174.86 Mbit/s
95th percentile per-packet one-way delay: 70.405 ms
Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-06-07 06:57:22

End at: 2018-06-07 06:57:52

Local clock offset: -0.007 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-06-07 10:58:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 349.06 Mbit/s

95th percentile per-packet one-way delay: 62.783 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 170.74 Mbit/s

95th percentile per-packet one-way delay: 60.190 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 185.34 Mbit/s

95th percentile per-packet one-way delay: 63.672 ms

Loss rate: 0.00%

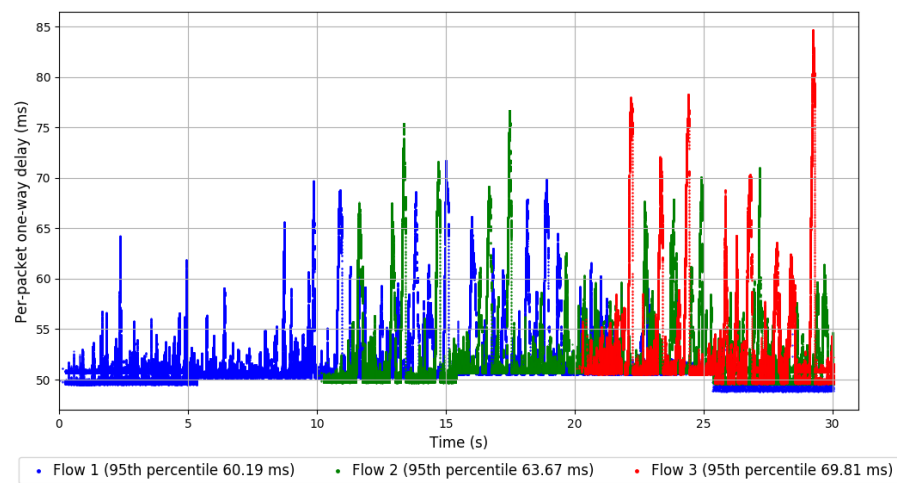
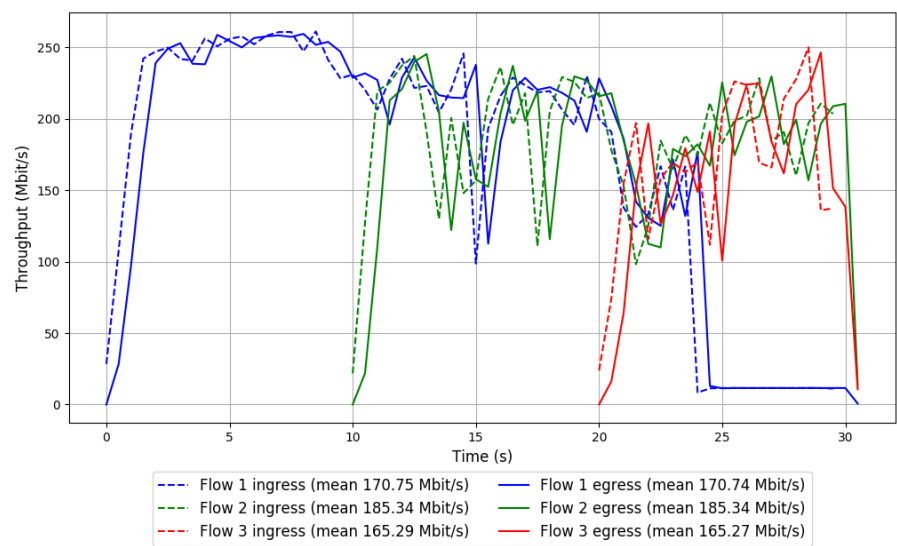
-- Flow 3:

Average throughput: 165.27 Mbit/s

95th percentile per-packet one-way delay: 69.810 ms

Loss rate: 0.00%

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

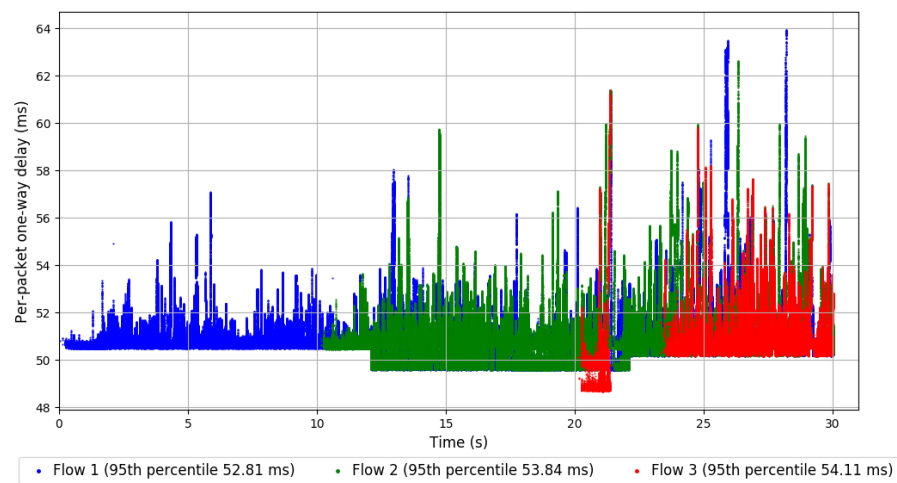
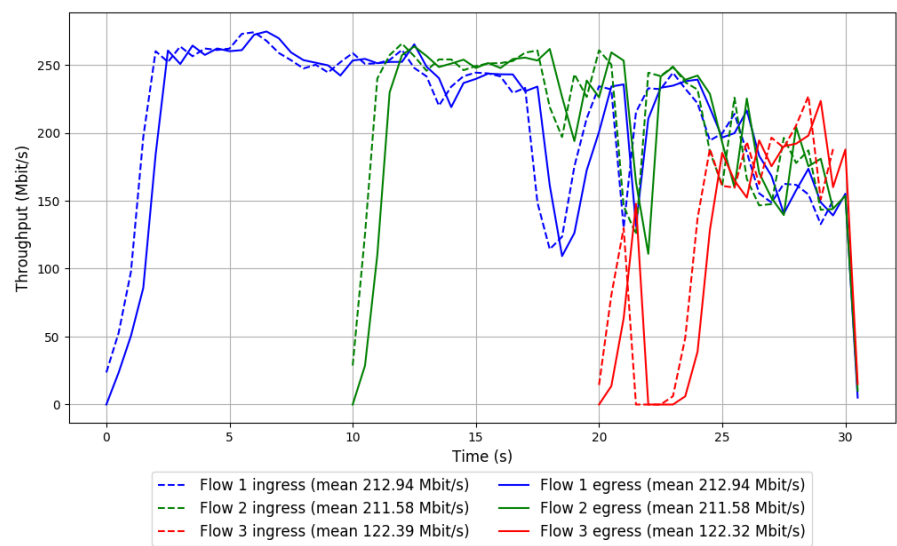


Run 6: Statistics of TaoVA-100x

Start at: 2018-06-07 07:20:25
End at: 2018-06-07 07:20:55
Local clock offset: 0.037 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-06-07 11:02:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 394.51 Mbit/s
95th percentile per-packet one-way delay: 53.386 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 212.94 Mbit/s
95th percentile per-packet one-way delay: 52.814 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 211.58 Mbit/s
95th percentile per-packet one-way delay: 53.844 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 122.32 Mbit/s
95th percentile per-packet one-way delay: 54.112 ms
Loss rate: 0.07%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-06-07 07:43:40

End at: 2018-06-07 07:44:10

Local clock offset: 0.024 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-06-07 11:03:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 388.26 Mbit/s

95th percentile per-packet one-way delay: 54.018 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 175.41 Mbit/s

95th percentile per-packet one-way delay: 53.810 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 207.57 Mbit/s

95th percentile per-packet one-way delay: 54.400 ms

Loss rate: 0.00%

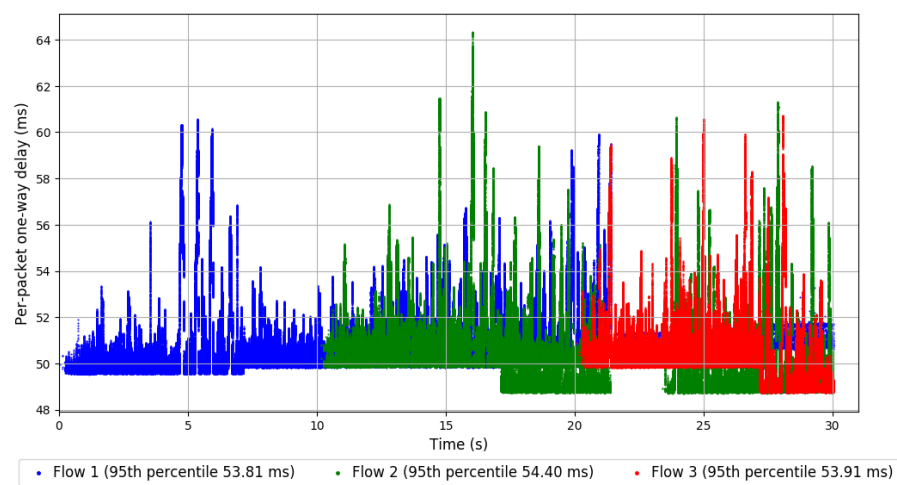
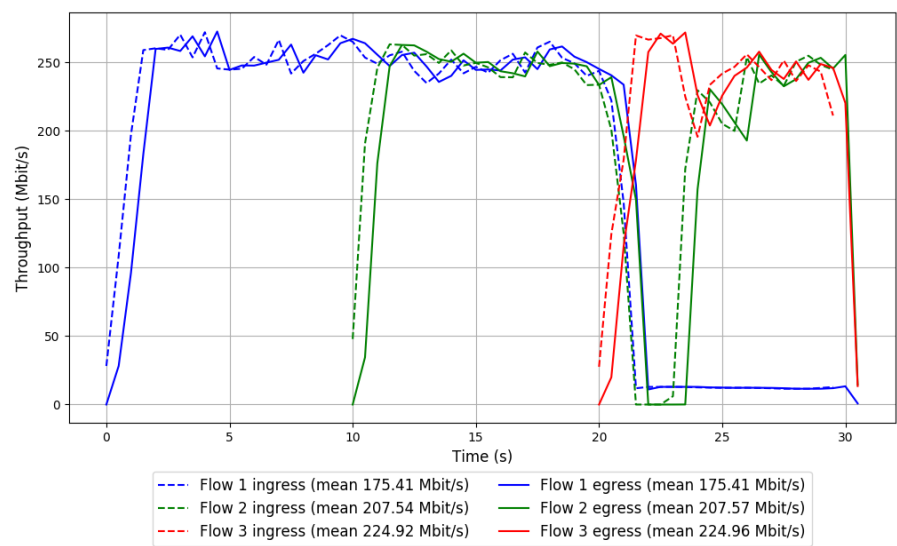
-- Flow 3:

Average throughput: 224.96 Mbit/s

95th percentile per-packet one-way delay: 53.907 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-06-07 08:06:58

End at: 2018-06-07 08:07:28

Local clock offset: -0.005 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-06-07 11:03:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 325.24 Mbit/s

95th percentile per-packet one-way delay: 56.727 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 130.84 Mbit/s

95th percentile per-packet one-way delay: 50.711 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 192.28 Mbit/s

95th percentile per-packet one-way delay: 54.726 ms

Loss rate: 0.00%

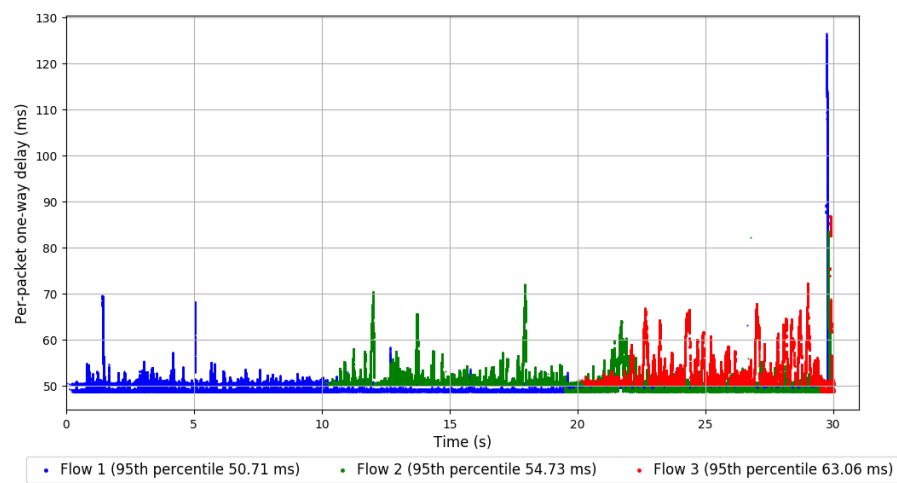
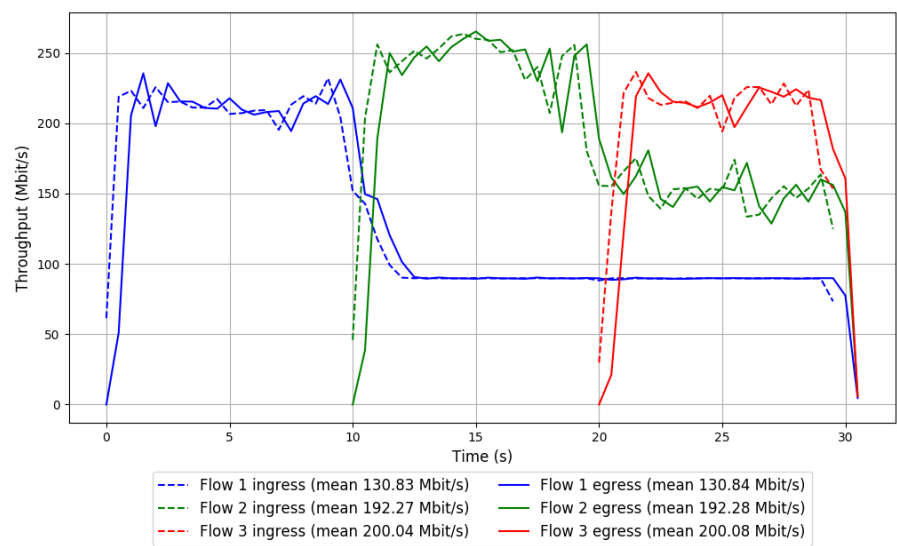
-- Flow 3:

Average throughput: 200.08 Mbit/s

95th percentile per-packet one-way delay: 63.056 ms

Loss rate: 0.00%

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

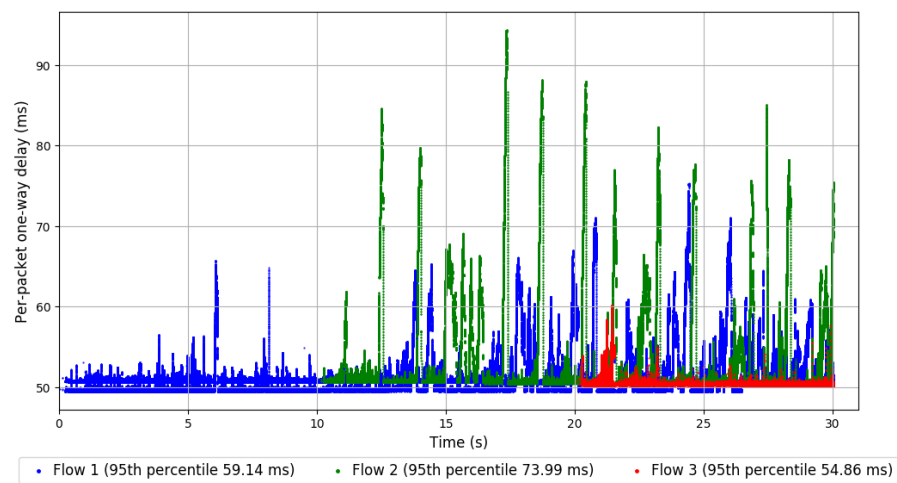
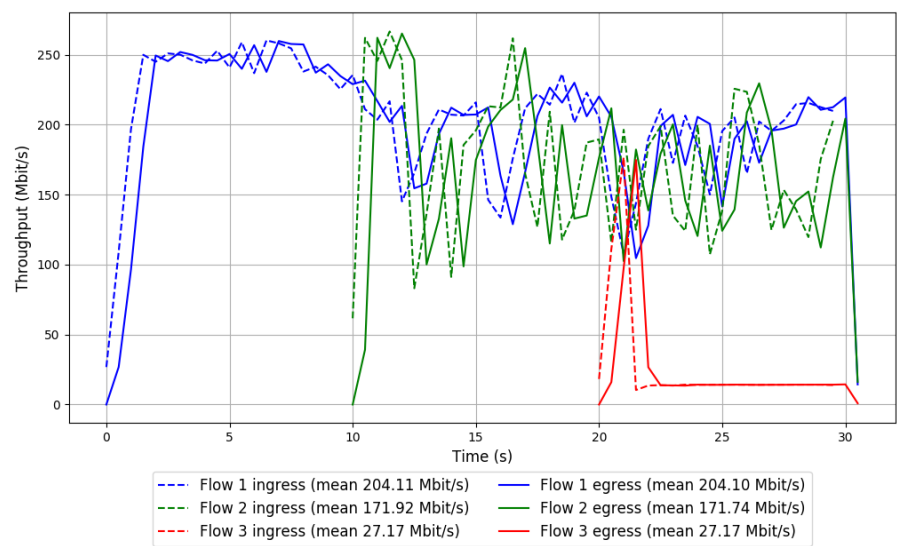


Run 9: Statistics of TaoVA-100x

Start at: 2018-06-07 08:30:01
End at: 2018-06-07 08:30:31
Local clock offset: 0.06 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-06-07 11:06:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 327.58 Mbit/s
95th percentile per-packet one-way delay: 63.851 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 204.10 Mbit/s
95th percentile per-packet one-way delay: 59.136 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 171.74 Mbit/s
95th percentile per-packet one-way delay: 73.992 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 27.17 Mbit/s
95th percentile per-packet one-way delay: 54.859 ms
Loss rate: 0.00%

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

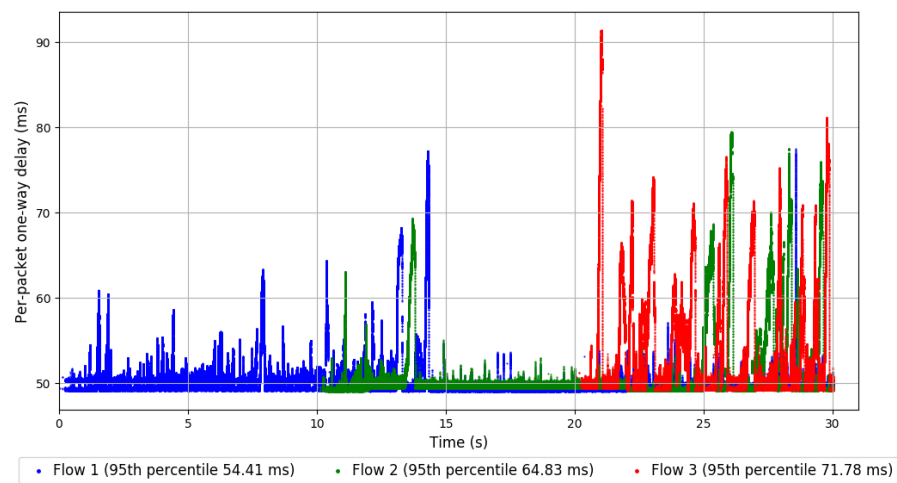
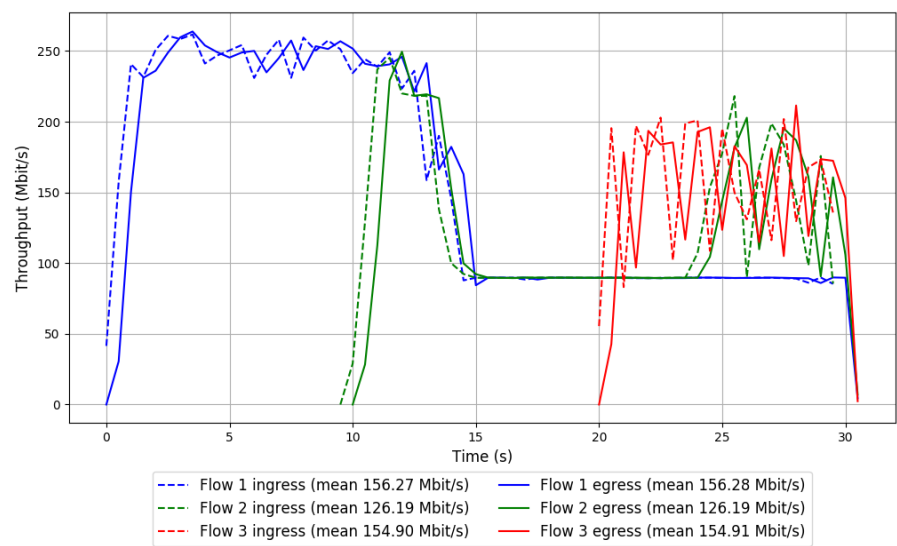


Run 10: Statistics of TaoVA-100x

Start at: 2018-06-07 08:53:15
End at: 2018-06-07 08:53:45
Local clock offset: 0.399 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2018-06-07 11:06:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 291.89 Mbit/s
95th percentile per-packet one-way delay: 64.352 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 156.28 Mbit/s
95th percentile per-packet one-way delay: 54.405 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 126.19 Mbit/s
95th percentile per-packet one-way delay: 64.833 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 154.91 Mbit/s
95th percentile per-packet one-way delay: 71.777 ms
Loss rate: 0.00%

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

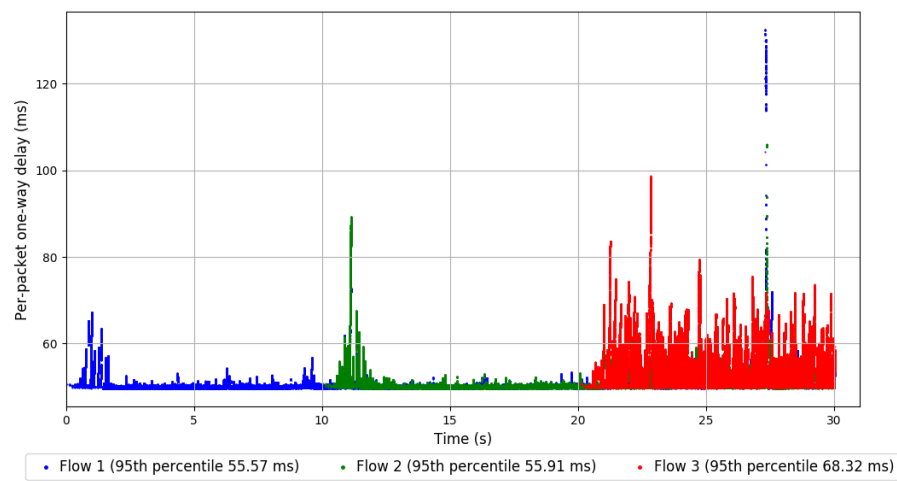
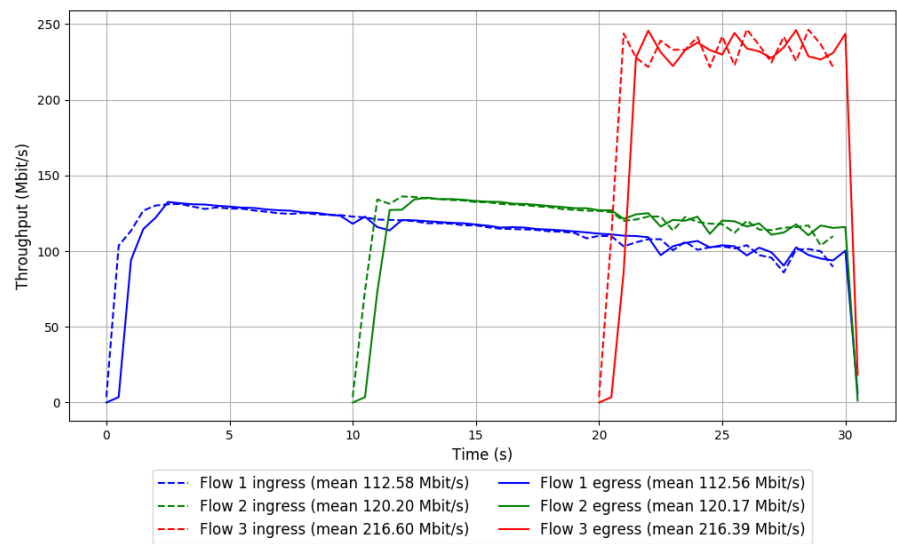


Run 1: Statistics of TCP Vegas

Start at: 2018-06-07 05:20:09
End at: 2018-06-07 05:20:39
Local clock offset: -0.073 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-06-07 11:06:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 264.54 Mbit/s
95th percentile per-packet one-way delay: 62.832 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 112.56 Mbit/s
95th percentile per-packet one-way delay: 55.574 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 120.17 Mbit/s
95th percentile per-packet one-way delay: 55.906 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 216.39 Mbit/s
95th percentile per-packet one-way delay: 68.321 ms
Loss rate: 0.03%

Run 1: Report of TCP Vegas — Data Link

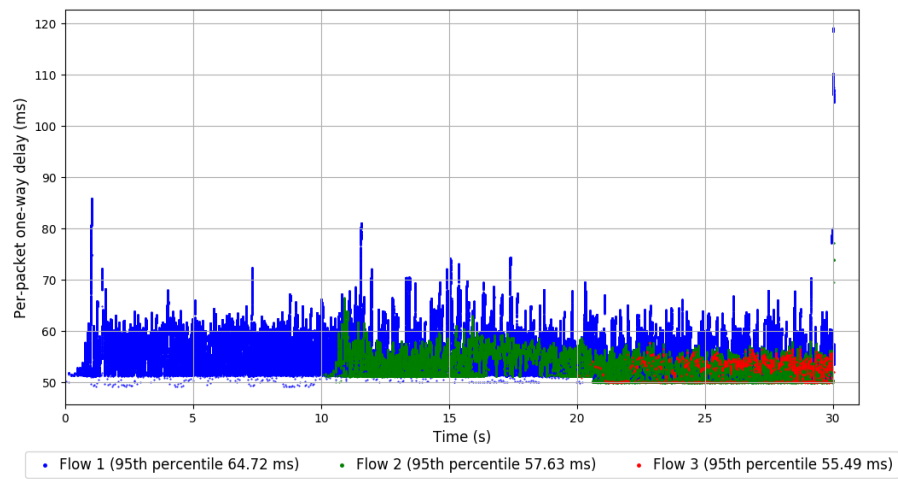
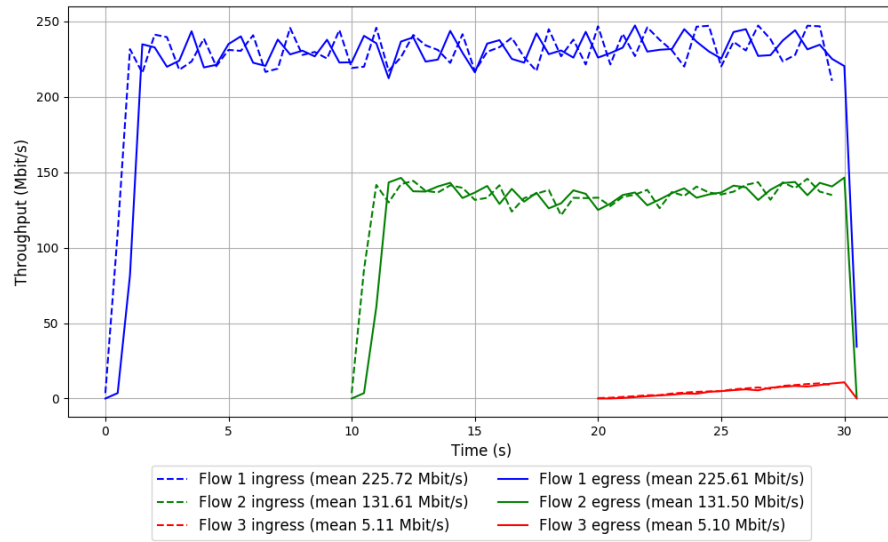


Run 2: Statistics of TCP Vegas

Start at: 2018-06-07 05:43:27
End at: 2018-06-07 05:43:57
Local clock offset: -0.299 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-06-07 11:06:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 314.87 Mbit/s
95th percentile per-packet one-way delay: 63.571 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 225.61 Mbit/s
95th percentile per-packet one-way delay: 64.717 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 131.50 Mbit/s
95th percentile per-packet one-way delay: 57.632 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 5.10 Mbit/s
95th percentile per-packet one-way delay: 55.487 ms
Loss rate: 0.24%

Run 2: Report of TCP Vegas — Data Link

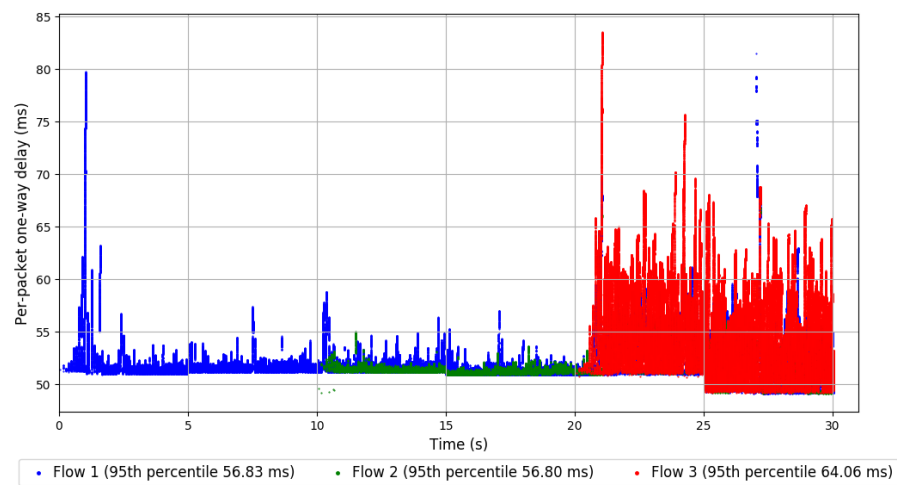
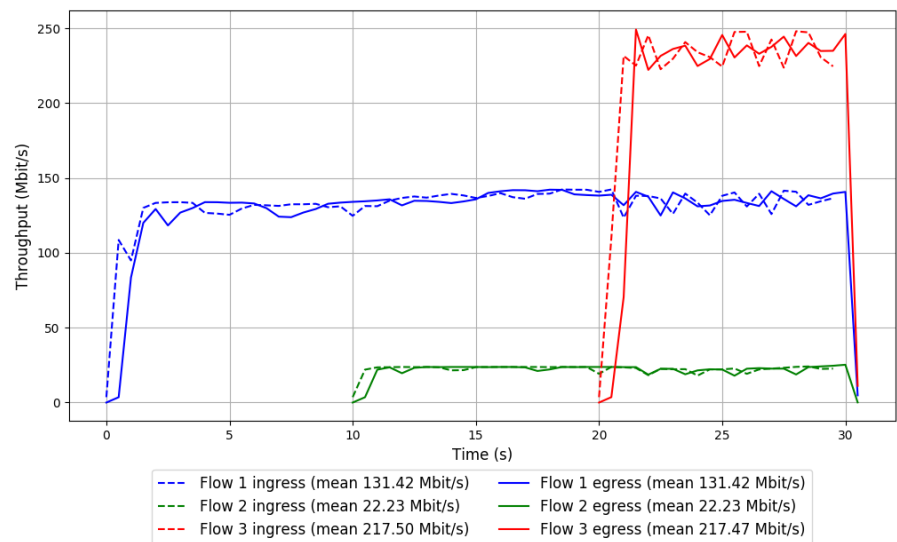


Run 3: Statistics of TCP Vegas

Start at: 2018-06-07 06:06:32
End at: 2018-06-07 06:07:02
Local clock offset: -0.311 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-06-07 11:06:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 218.52 Mbit/s
95th percentile per-packet one-way delay: 61.472 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 131.42 Mbit/s
95th percentile per-packet one-way delay: 56.826 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 22.23 Mbit/s
95th percentile per-packet one-way delay: 56.802 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 217.47 Mbit/s
95th percentile per-packet one-way delay: 64.058 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-06-07 06:29:54

End at: 2018-06-07 06:30:24

Local clock offset: 0.027 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-06-07 11:06:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 193.16 Mbit/s

95th percentile per-packet one-way delay: 61.434 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 49.68 Mbit/s

95th percentile per-packet one-way delay: 55.103 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 206.32 Mbit/s

95th percentile per-packet one-way delay: 62.123 ms

Loss rate: 0.02%

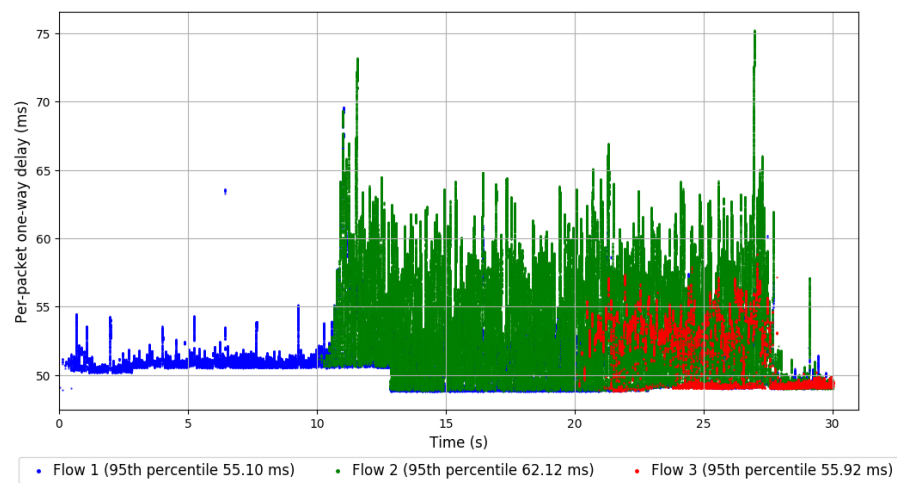
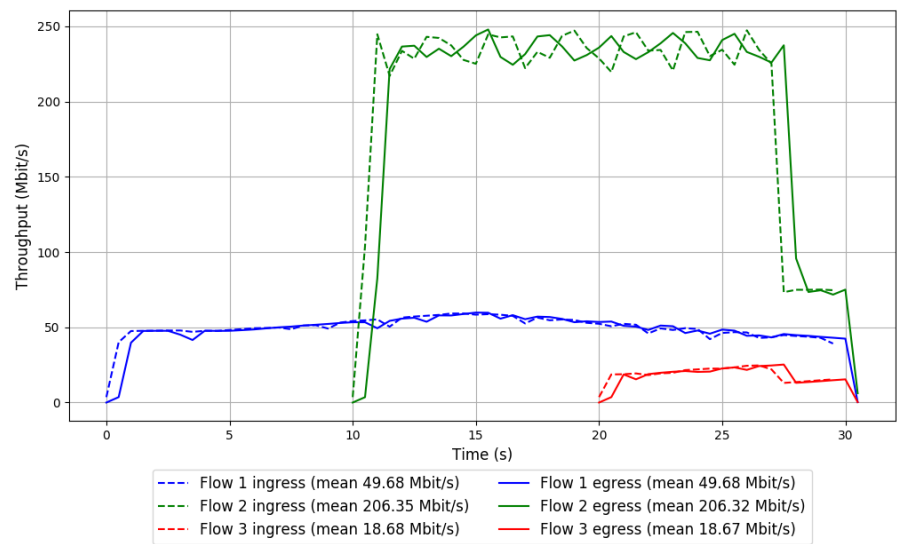
-- Flow 3:

Average throughput: 18.67 Mbit/s

95th percentile per-packet one-way delay: 55.917 ms

Loss rate: 0.06%

Run 4: Report of TCP Vegas — Data Link

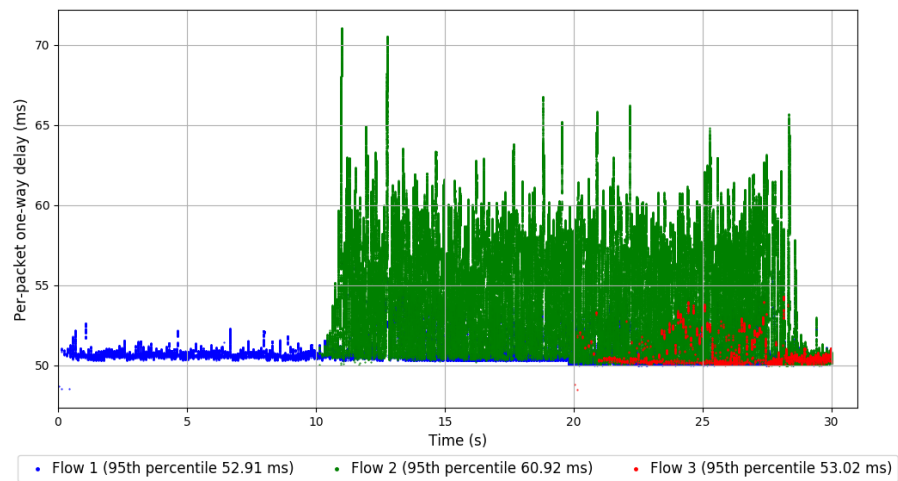
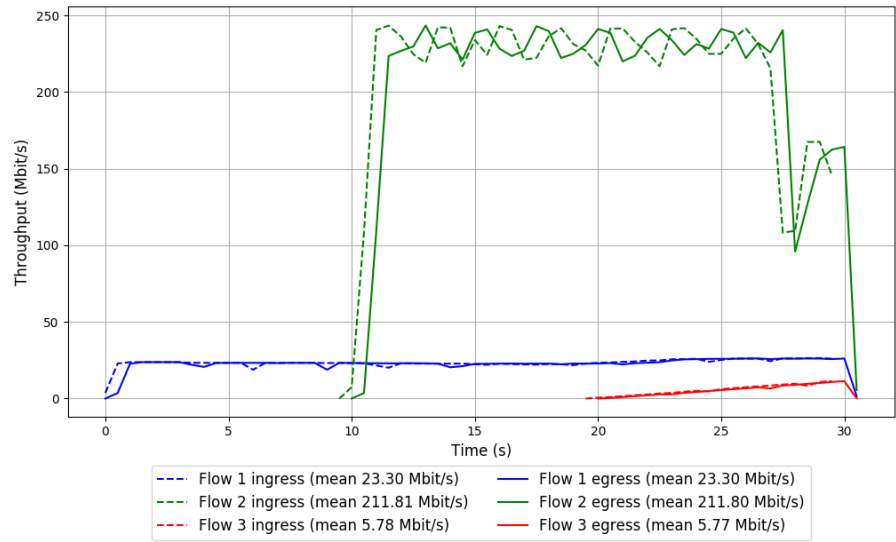


Run 5: Statistics of TCP Vegas

Start at: 2018-06-07 06:52:57
End at: 2018-06-07 06:53:27
Local clock offset: 0.343 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-06-07 11:06:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 166.46 Mbit/s
95th percentile per-packet one-way delay: 60.681 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 23.30 Mbit/s
95th percentile per-packet one-way delay: 52.906 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 211.80 Mbit/s
95th percentile per-packet one-way delay: 60.924 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.77 Mbit/s
95th percentile per-packet one-way delay: 53.021 ms
Loss rate: 0.17%

Run 5: Report of TCP Vegas — Data Link

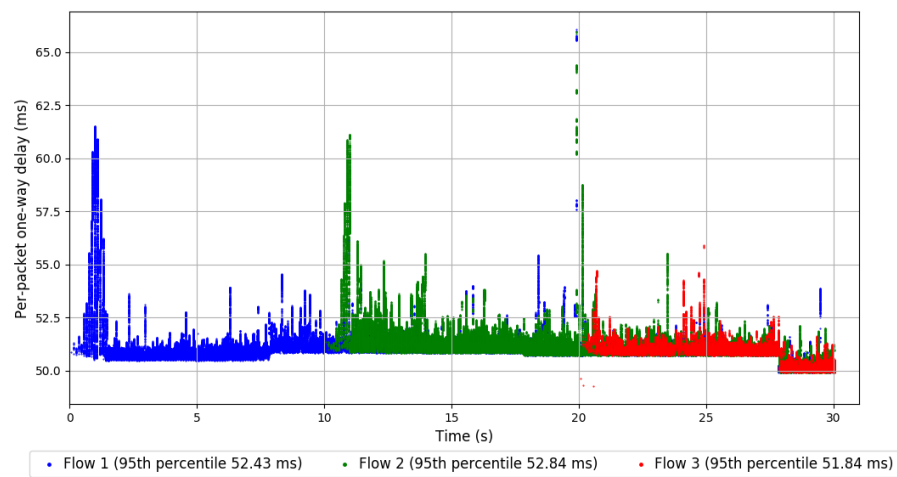
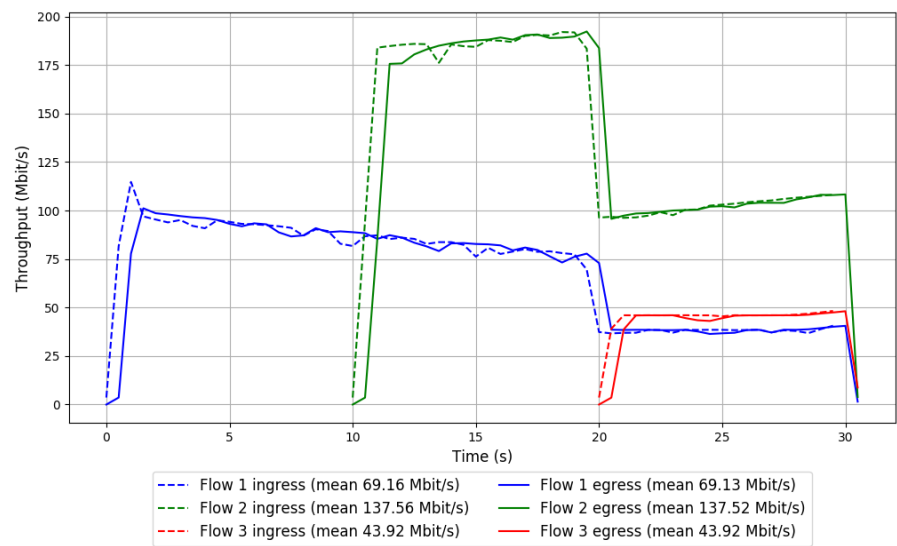


Run 6: Statistics of TCP Vegas

Start at: 2018-06-07 07:15:59
End at: 2018-06-07 07:16:29
Local clock offset: -0.355 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-06-07 11:06:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 175.32 Mbit/s
95th percentile per-packet one-way delay: 52.651 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 69.13 Mbit/s
95th percentile per-packet one-way delay: 52.431 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 137.52 Mbit/s
95th percentile per-packet one-way delay: 52.835 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 43.92 Mbit/s
95th percentile per-packet one-way delay: 51.842 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

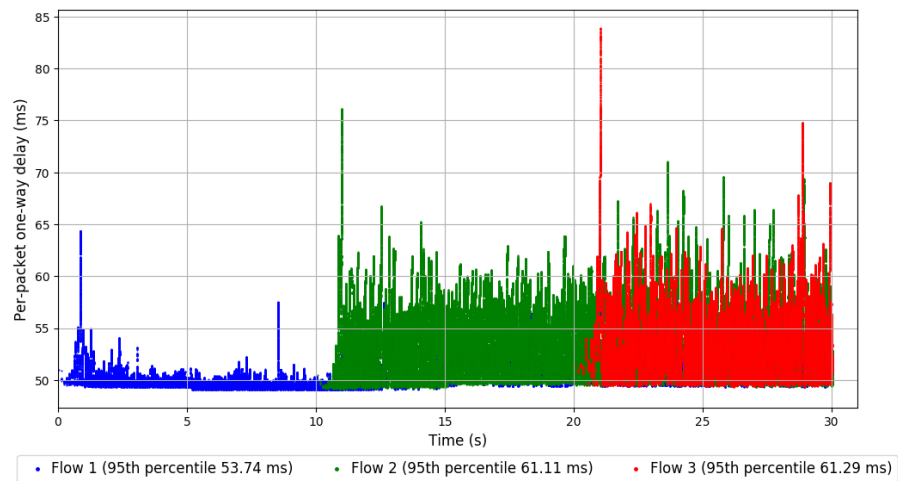
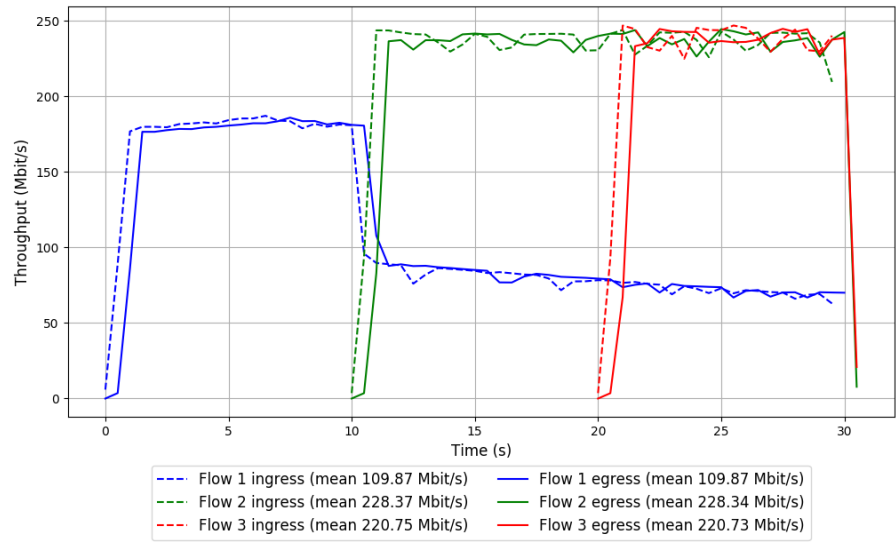


Run 7: Statistics of TCP Vegas

Start at: 2018-06-07 07:39:02
End at: 2018-06-07 07:39:32
Local clock offset: -0.336 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-06-07 11:08:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 335.12 Mbit/s
95th percentile per-packet one-way delay: 60.276 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 109.87 Mbit/s
95th percentile per-packet one-way delay: 53.744 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 228.34 Mbit/s
95th percentile per-packet one-way delay: 61.106 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 220.73 Mbit/s
95th percentile per-packet one-way delay: 61.292 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-06-07 08:02:25

End at: 2018-06-07 08:02:55

Local clock offset: -0.013 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-06-07 11:08:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 295.69 Mbit/s

95th percentile per-packet one-way delay: 60.429 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 142.67 Mbit/s

95th percentile per-packet one-way delay: 58.666 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 226.82 Mbit/s

95th percentile per-packet one-way delay: 61.281 ms

Loss rate: 0.00%

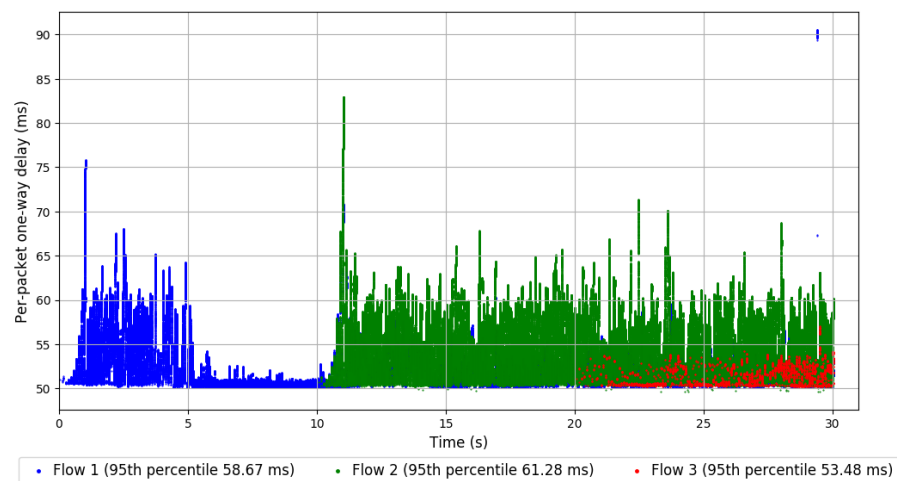
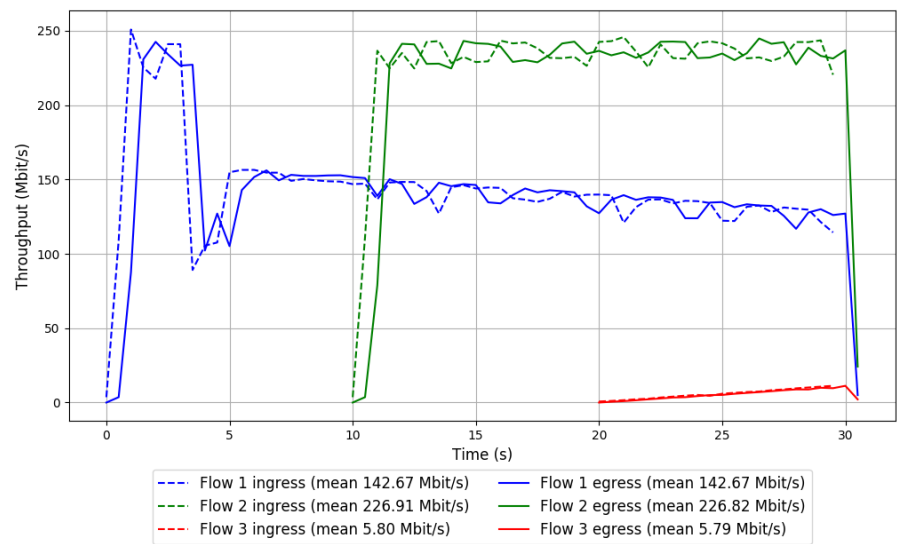
-- Flow 3:

Average throughput: 5.79 Mbit/s

95th percentile per-packet one-way delay: 53.476 ms

Loss rate: 0.12%

Run 8: Report of TCP Vegas — Data Link

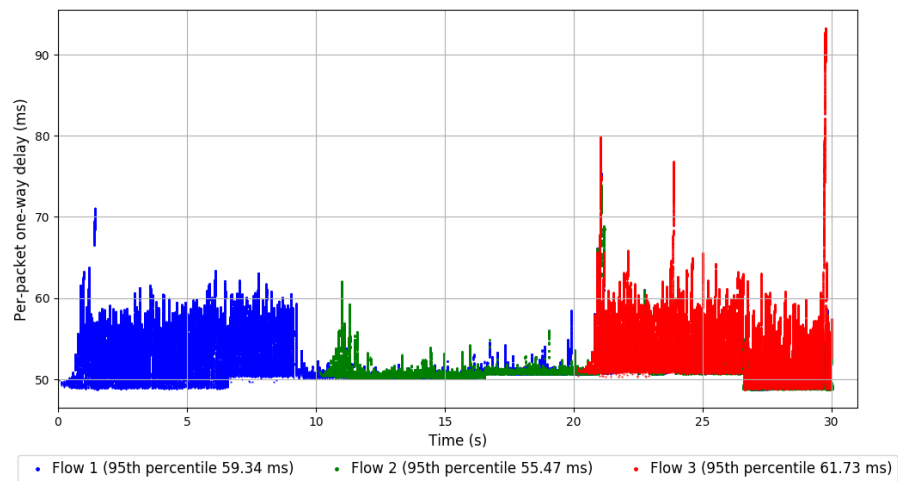
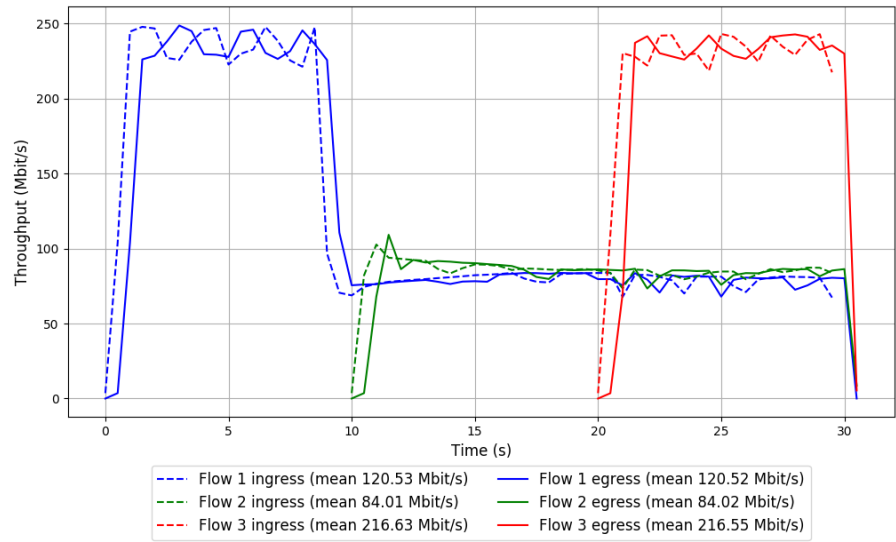


Run 9: Statistics of TCP Vegas

Start at: 2018-06-07 08:25:31
End at: 2018-06-07 08:26:01
Local clock offset: 0.046 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-06-07 11:08:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 248.20 Mbit/s
95th percentile per-packet one-way delay: 59.895 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 120.52 Mbit/s
95th percentile per-packet one-way delay: 59.341 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 84.02 Mbit/s
95th percentile per-packet one-way delay: 55.467 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 216.55 Mbit/s
95th percentile per-packet one-way delay: 61.731 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-06-07 08:48:50

End at: 2018-06-07 08:49:20

Local clock offset: 0.064 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-06-07 11:08:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 152.00 Mbit/s

95th percentile per-packet one-way delay: 51.650 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 54.56 Mbit/s

95th percentile per-packet one-way delay: 52.452 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 143.32 Mbit/s

95th percentile per-packet one-way delay: 51.519 ms

Loss rate: 0.00%

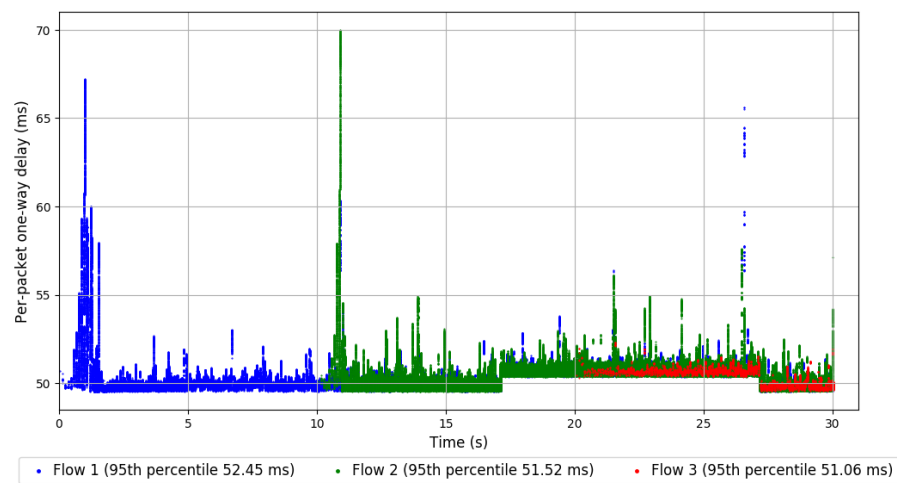
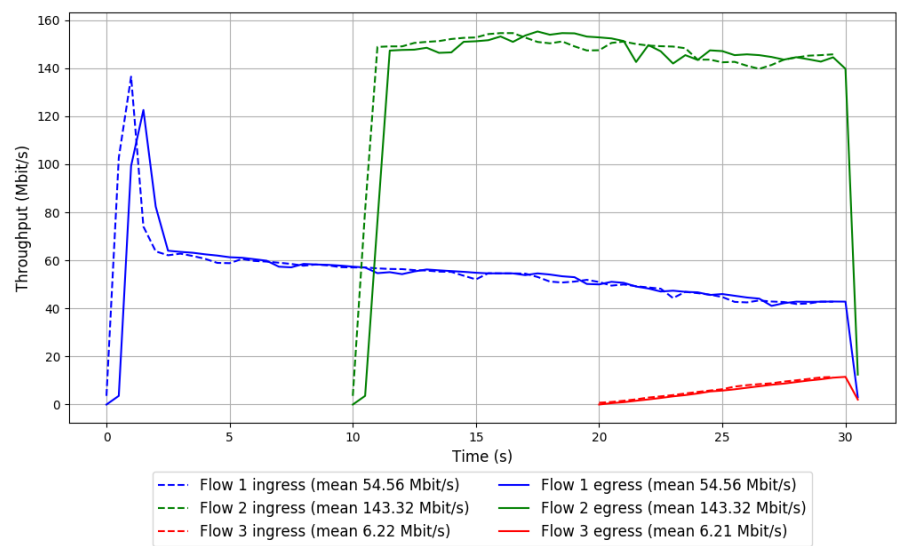
-- Flow 3:

Average throughput: 6.21 Mbit/s

95th percentile per-packet one-way delay: 51.061 ms

Loss rate: 0.10%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-06-07 05:17:01

End at: 2018-06-07 05:17:31

Local clock offset: -0.069 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-06-07 11:11:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 375.28 Mbit/s

95th percentile per-packet one-way delay: 130.880 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 230.35 Mbit/s

95th percentile per-packet one-way delay: 117.828 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 156.83 Mbit/s

95th percentile per-packet one-way delay: 136.258 ms

Loss rate: 0.00%

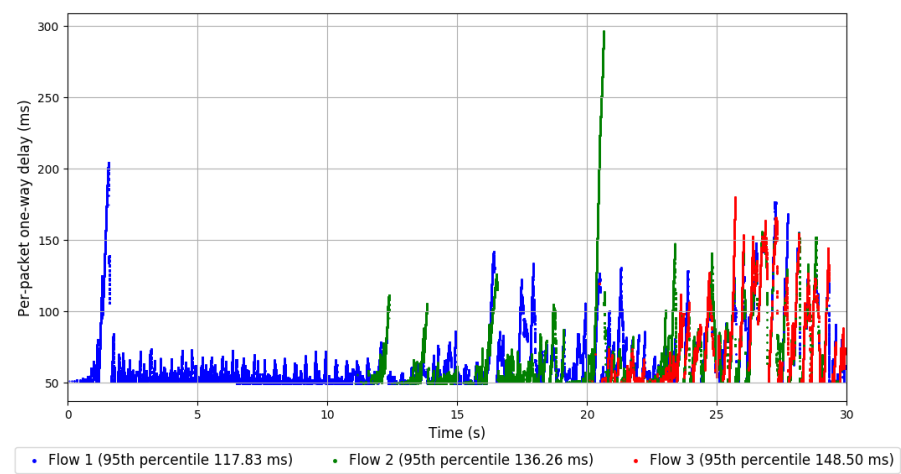
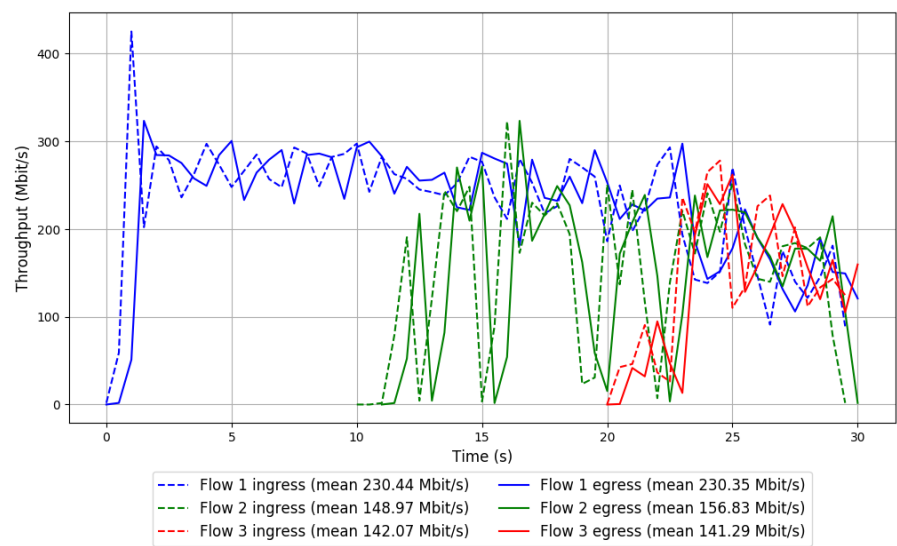
-- Flow 3:

Average throughput: 141.29 Mbit/s

95th percentile per-packet one-way delay: 148.495 ms

Loss rate: 0.44%

Run 1: Report of Verus — Data Link

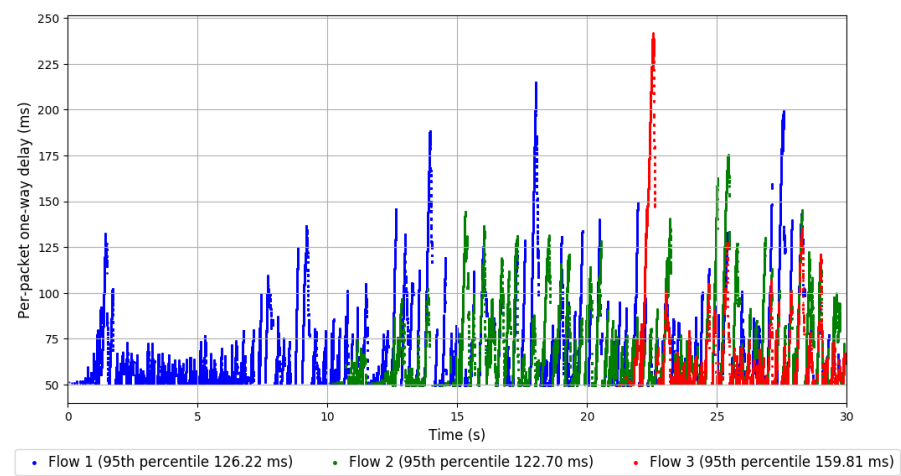
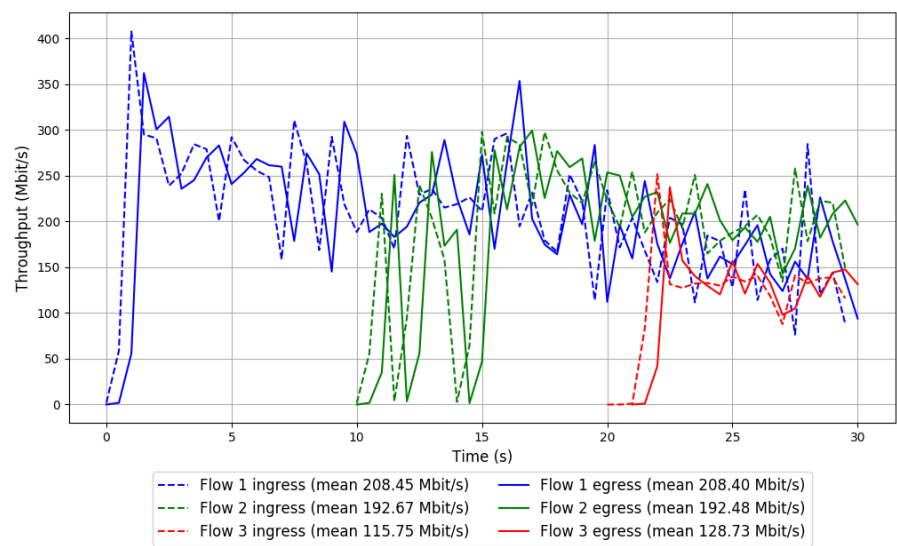


Run 2: Statistics of Verus

Start at: 2018-06-07 05:40:25
End at: 2018-06-07 05:40:55
Local clock offset: 0.03 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-06-07 11:11:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 374.38 Mbit/s
95th percentile per-packet one-way delay: 125.997 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 208.40 Mbit/s
95th percentile per-packet one-way delay: 126.219 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 192.48 Mbit/s
95th percentile per-packet one-way delay: 122.705 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 128.73 Mbit/s
95th percentile per-packet one-way delay: 159.815 ms
Loss rate: 0.03%

Run 2: Report of Verus — Data Link

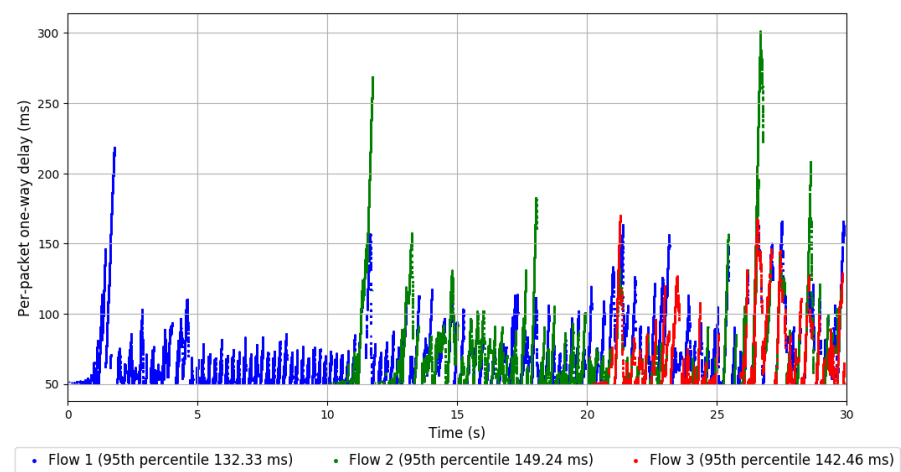
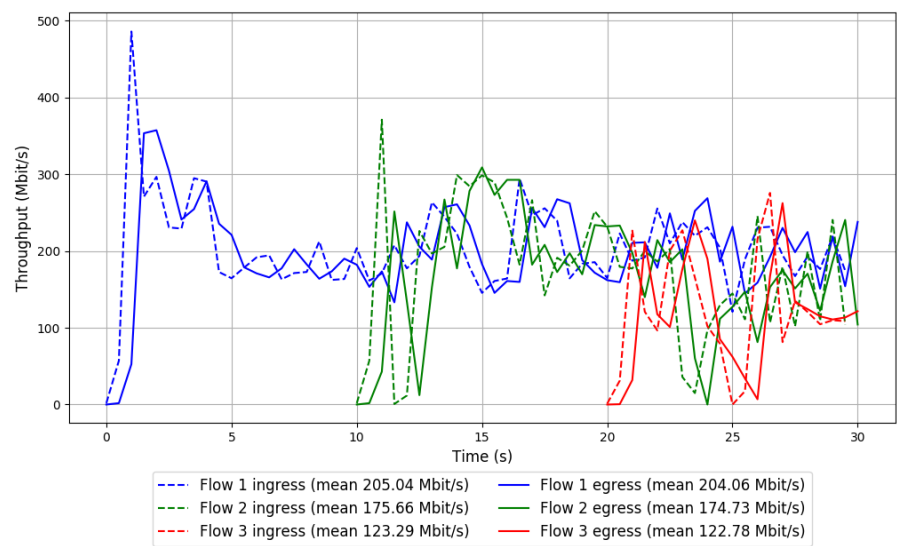


Run 3: Statistics of Verus

Start at: 2018-06-07 06:03:32
End at: 2018-06-07 06:04:02
Local clock offset: 0.068 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-06-07 11:12:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 359.71 Mbit/s
95th percentile per-packet one-way delay: 139.719 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 204.06 Mbit/s
95th percentile per-packet one-way delay: 132.330 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 174.73 Mbit/s
95th percentile per-packet one-way delay: 149.238 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 122.78 Mbit/s
95th percentile per-packet one-way delay: 142.461 ms
Loss rate: 0.60%

Run 3: Report of Verus — Data Link

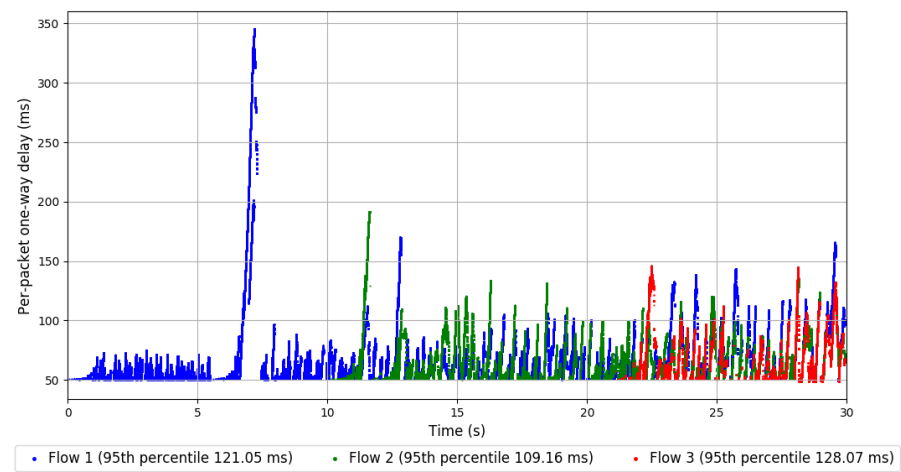
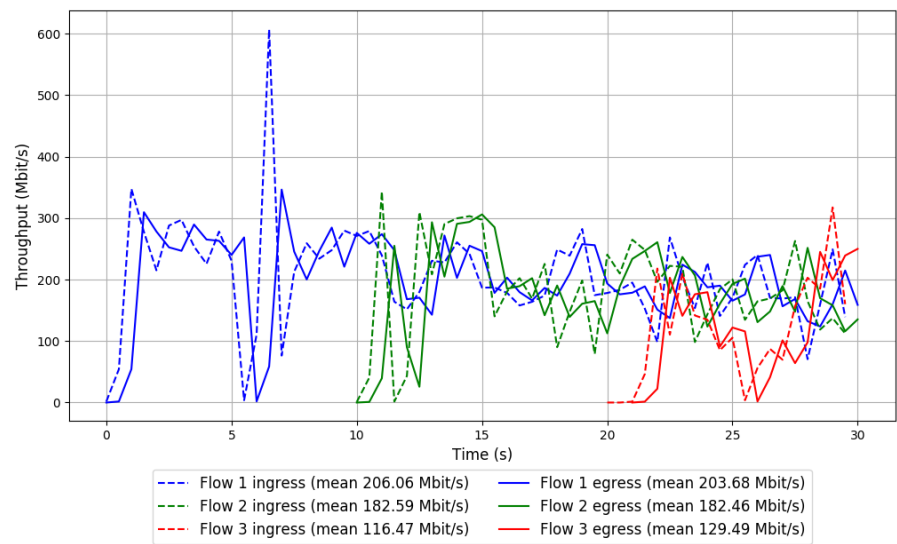


Run 4: Statistics of Verus

Start at: 2018-06-07 06:26:49
End at: 2018-06-07 06:27:19
Local clock offset: 0.019 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-06-07 11:13:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 363.33 Mbit/s
95th percentile per-packet one-way delay: 117.374 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 203.68 Mbit/s
95th percentile per-packet one-way delay: 121.054 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 182.46 Mbit/s
95th percentile per-packet one-way delay: 109.160 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 129.49 Mbit/s
95th percentile per-packet one-way delay: 128.068 ms
Loss rate: 0.00%

Run 4: Report of Verus — Data Link

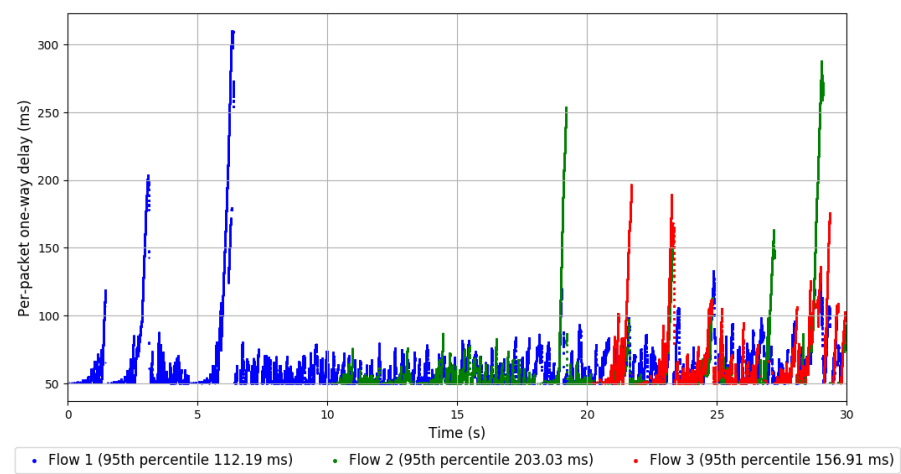
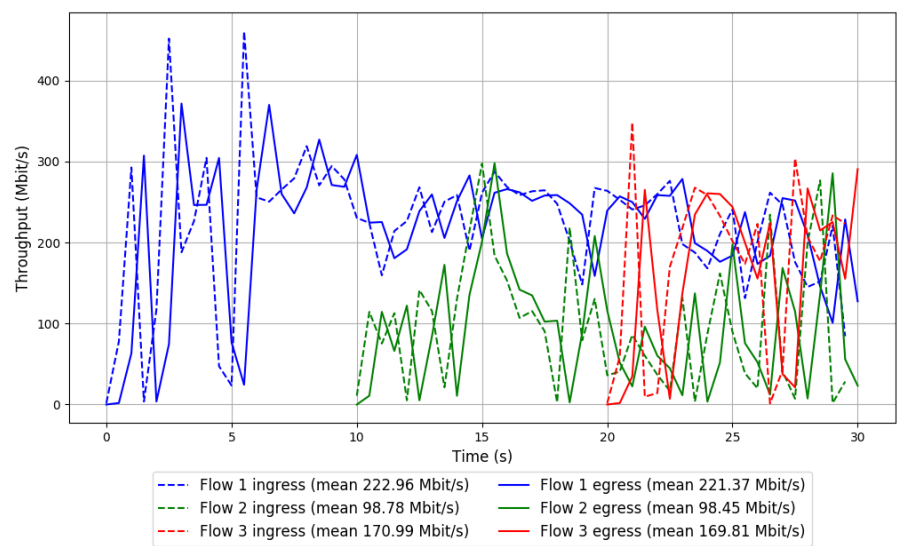


Run 5: Statistics of Verus

Start at: 2018-06-07 06:49:53
End at: 2018-06-07 06:50:23
Local clock offset: 0.384 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-06-07 11:13:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 342.19 Mbit/s
95th percentile per-packet one-way delay: 141.437 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 221.37 Mbit/s
95th percentile per-packet one-way delay: 112.192 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 98.45 Mbit/s
95th percentile per-packet one-way delay: 203.028 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 169.81 Mbit/s
95th percentile per-packet one-way delay: 156.913 ms
Loss rate: 0.40%

Run 5: Report of Verus — Data Link

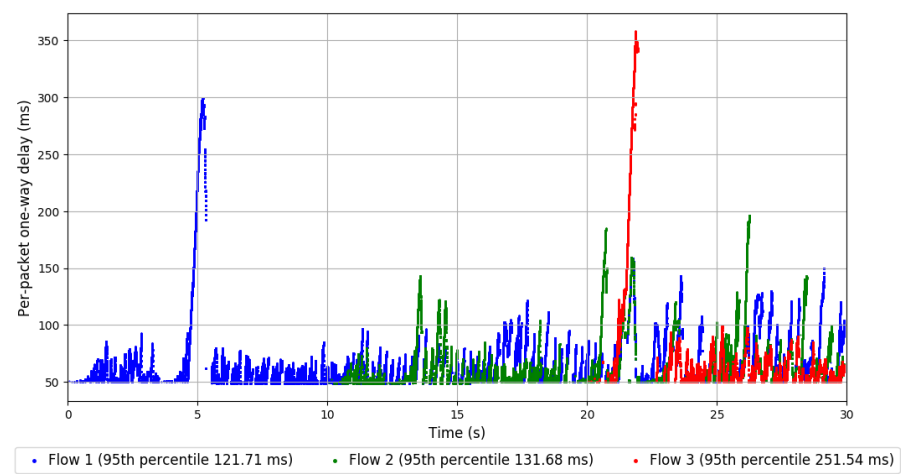
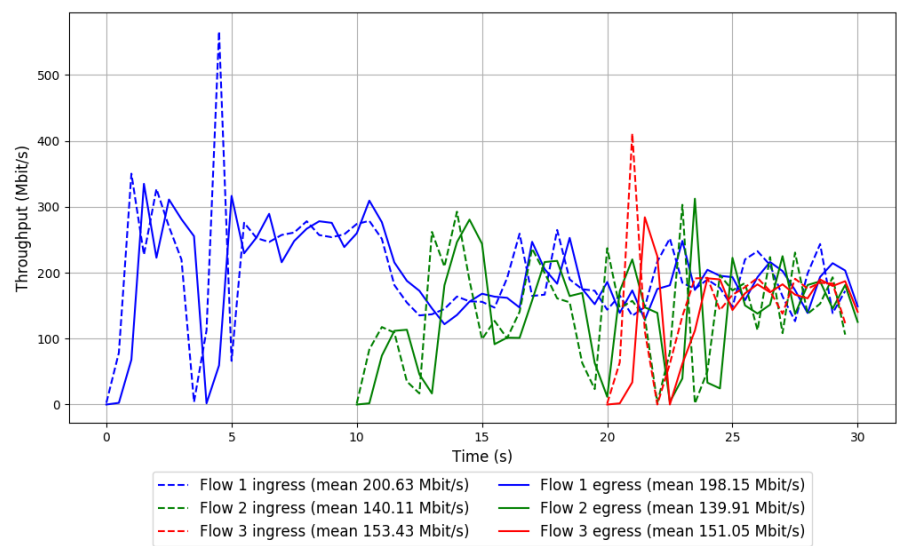


Run 6: Statistics of Verus

Start at: 2018-06-07 07:13:02
End at: 2018-06-07 07:13:32
Local clock offset: -0.02 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-06-07 11:14:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 340.87 Mbit/s
95th percentile per-packet one-way delay: 129.743 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 198.15 Mbit/s
95th percentile per-packet one-way delay: 121.712 ms
Loss rate: 1.21%
-- Flow 2:
Average throughput: 139.91 Mbit/s
95th percentile per-packet one-way delay: 131.680 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 151.05 Mbit/s
95th percentile per-packet one-way delay: 251.541 ms
Loss rate: 1.46%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-06-07 07:36:10

End at: 2018-06-07 07:36:40

Local clock offset: 0.027 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-06-07 11:14:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 314.52 Mbit/s

95th percentile per-packet one-way delay: 149.474 ms

Loss rate: 2.00%

-- Flow 1:

Average throughput: 184.06 Mbit/s

95th percentile per-packet one-way delay: 204.813 ms

Loss rate: 3.35%

-- Flow 2:

Average throughput: 135.88 Mbit/s

95th percentile per-packet one-way delay: 137.865 ms

Loss rate: 0.05%

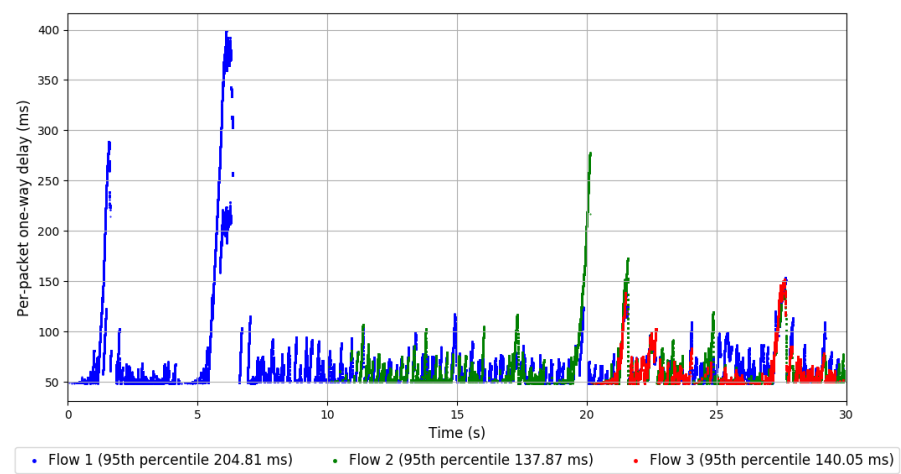
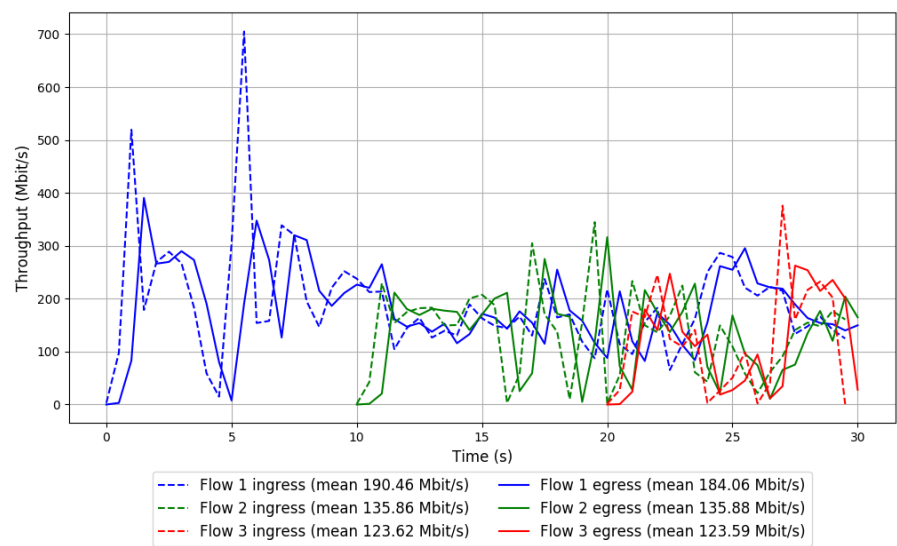
-- Flow 3:

Average throughput: 123.59 Mbit/s

95th percentile per-packet one-way delay: 140.047 ms

Loss rate: 0.00%

Run 7: Report of Verus — Data Link

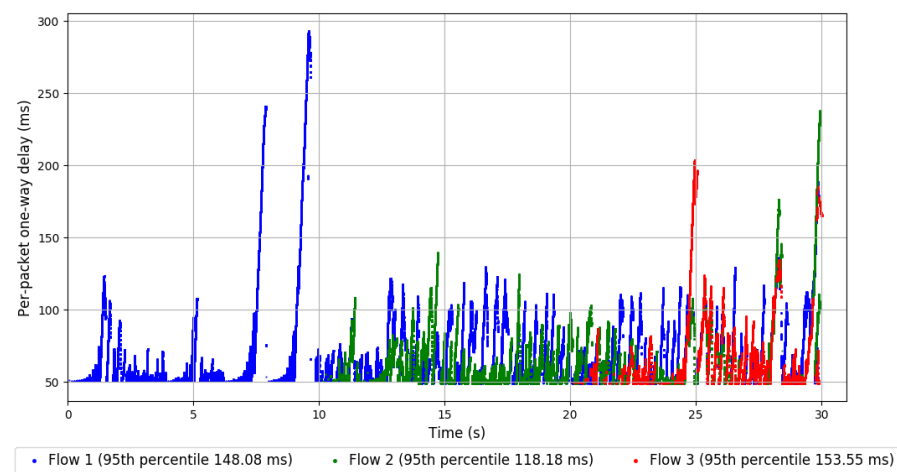
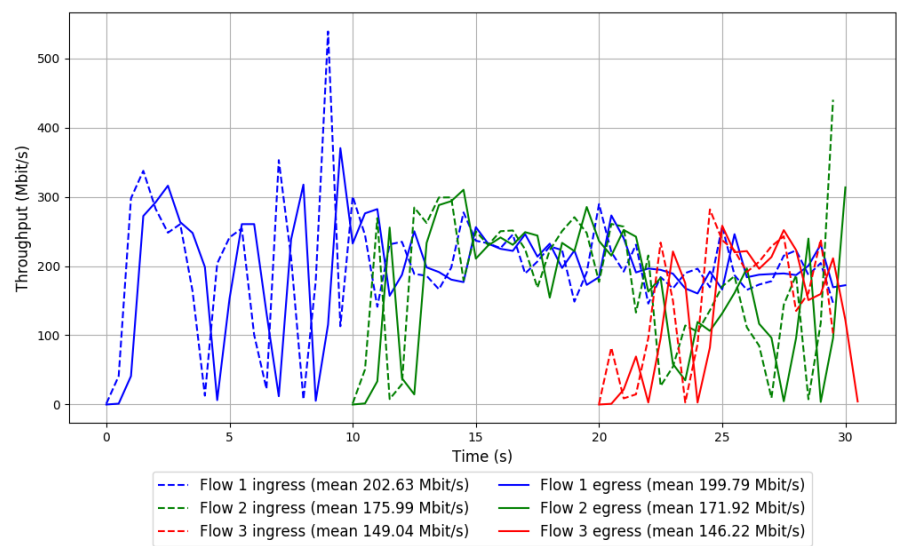


Run 8: Statistics of Verus

Start at: 2018-06-07 07:59:23
End at: 2018-06-07 07:59:53
Local clock offset: -0.333 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-06-07 11:14:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 362.06 Mbit/s
95th percentile per-packet one-way delay: 132.599 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 199.79 Mbit/s
95th percentile per-packet one-way delay: 148.082 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 171.92 Mbit/s
95th percentile per-packet one-way delay: 118.179 ms
Loss rate: 2.18%
-- Flow 3:
Average throughput: 146.22 Mbit/s
95th percentile per-packet one-way delay: 153.547 ms
Loss rate: 0.74%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-06-07 08:22:28

End at: 2018-06-07 08:22:58

Local clock offset: 0.053 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-06-07 11:17:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 355.56 Mbit/s

95th percentile per-packet one-way delay: 215.173 ms

Loss rate: 4.40%

-- Flow 1:

Average throughput: 197.67 Mbit/s

95th percentile per-packet one-way delay: 145.173 ms

Loss rate: 2.29%

-- Flow 2:

Average throughput: 158.45 Mbit/s

95th percentile per-packet one-way delay: 190.751 ms

Loss rate: 3.08%

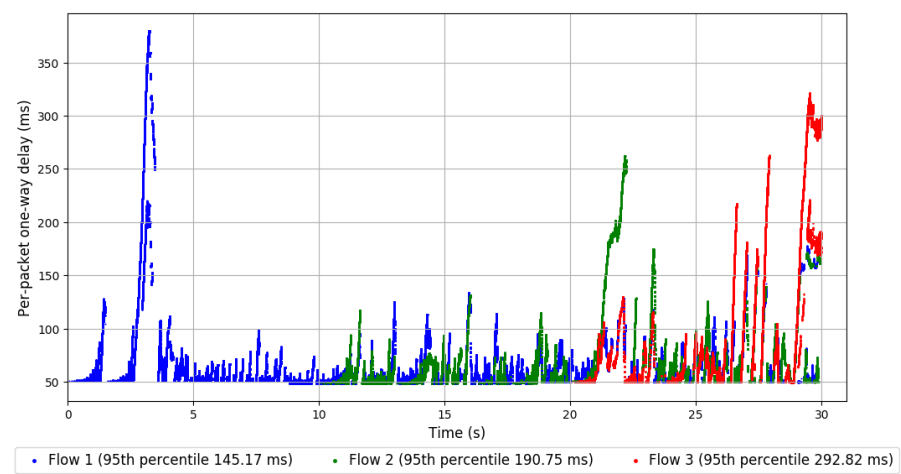
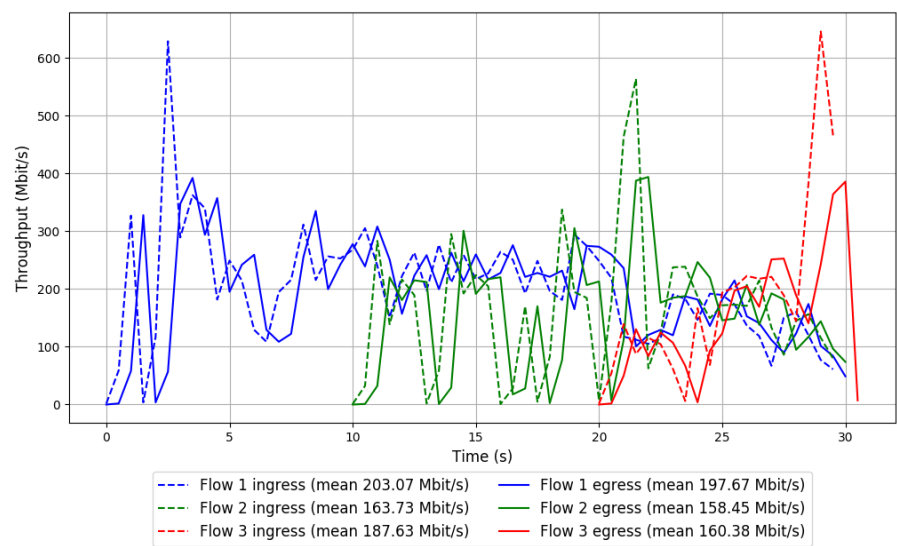
-- Flow 3:

Average throughput: 160.38 Mbit/s

95th percentile per-packet one-way delay: 292.825 ms

Loss rate: 13.63%

Run 9: Report of Verus — Data Link

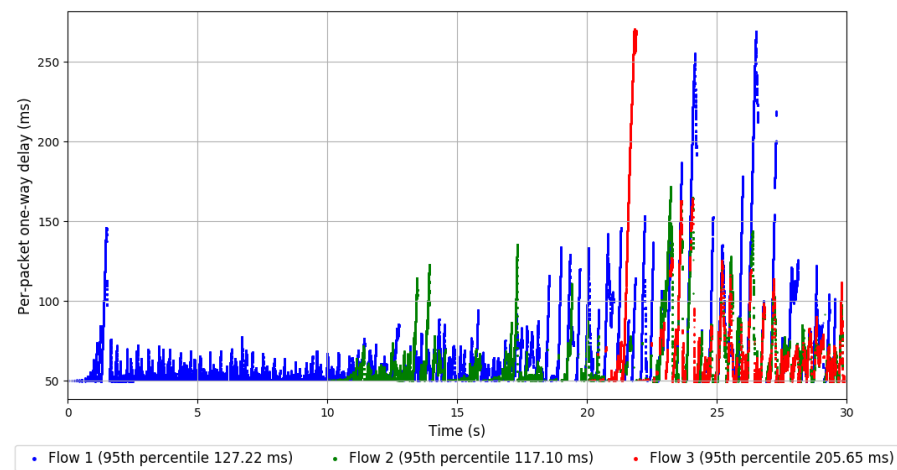
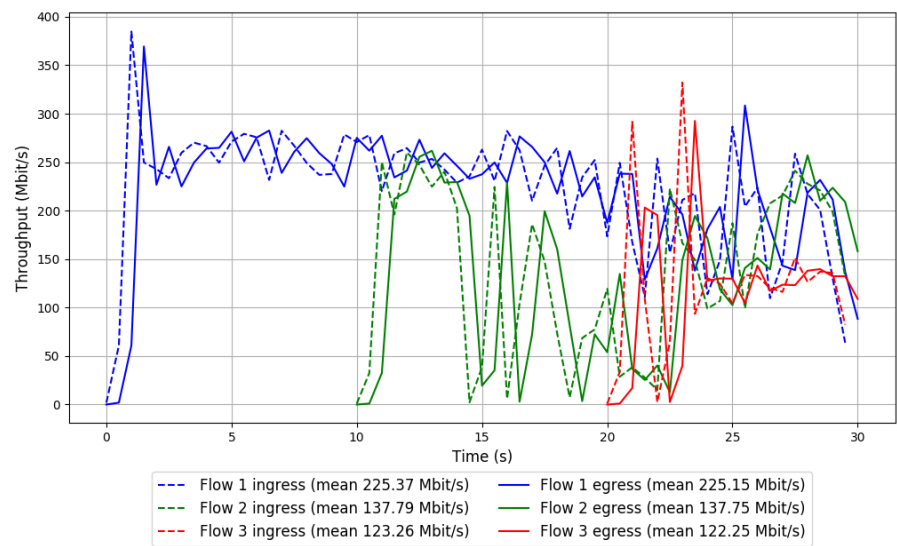


Run 10: Statistics of Verus

Start at: 2018-06-07 08:45:45
End at: 2018-06-07 08:46:15
Local clock offset: 0.04 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-06-07 11:17:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 356.29 Mbit/s
95th percentile per-packet one-way delay: 129.358 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 225.15 Mbit/s
95th percentile per-packet one-way delay: 127.221 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 137.75 Mbit/s
95th percentile per-packet one-way delay: 117.104 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 122.25 Mbit/s
95th percentile per-packet one-way delay: 205.645 ms
Loss rate: 0.83%

Run 10: Report of Verus — Data Link

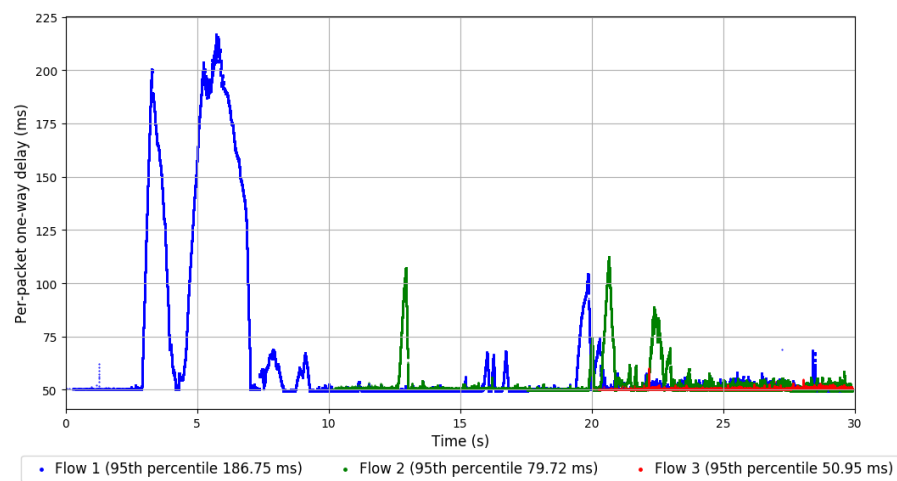
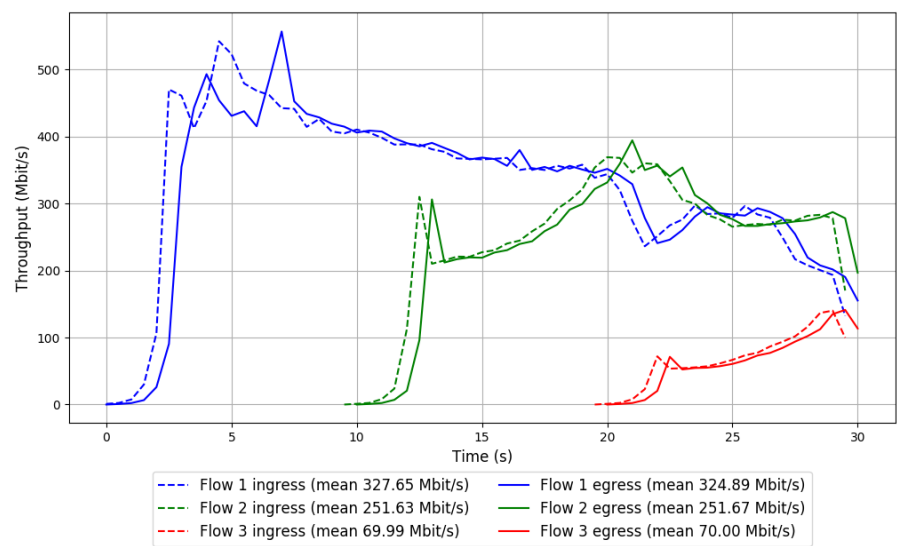


Run 1: Statistics of PCC-Vivace

Start at: 2018-06-07 05:21:30
End at: 2018-06-07 05:22:00
Local clock offset: -0.067 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-06-07 11:21:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 515.56 Mbit/s
95th percentile per-packet one-way delay: 164.273 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 324.89 Mbit/s
95th percentile per-packet one-way delay: 186.750 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 251.67 Mbit/s
95th percentile per-packet one-way delay: 79.715 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 70.00 Mbit/s
95th percentile per-packet one-way delay: 50.955 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

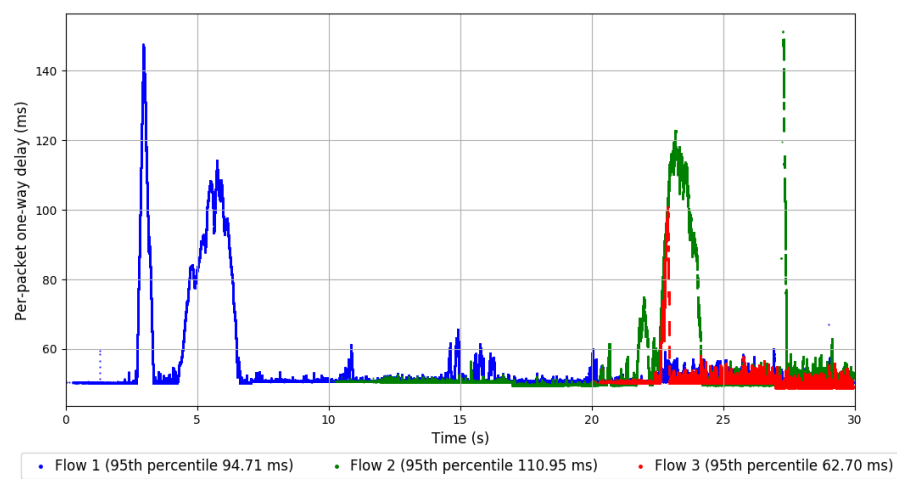
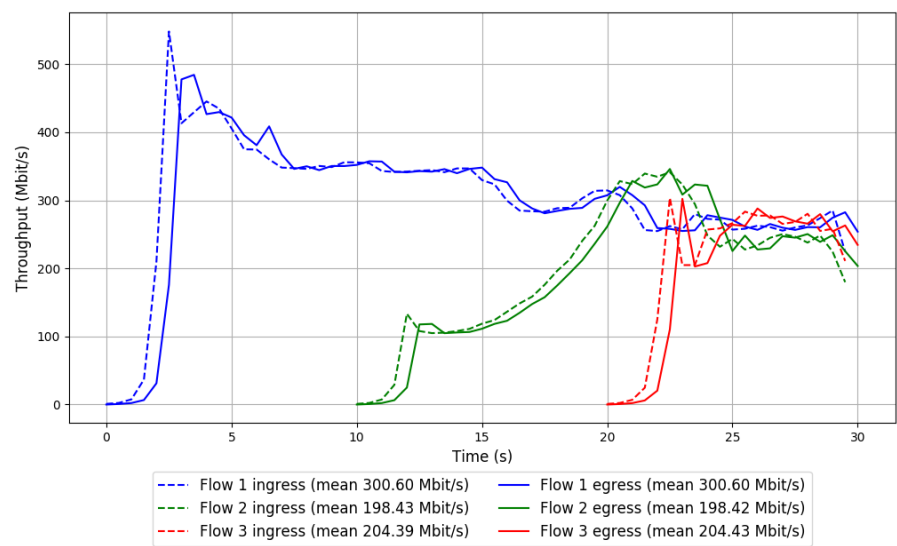


Run 2: Statistics of PCC-Vivace

Start at: 2018-06-07 05:44:50
End at: 2018-06-07 05:45:20
Local clock offset: 0.087 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-06-07 11:21:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 499.99 Mbit/s
95th percentile per-packet one-way delay: 96.054 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 300.60 Mbit/s
95th percentile per-packet one-way delay: 94.707 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 198.42 Mbit/s
95th percentile per-packet one-way delay: 110.954 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 204.43 Mbit/s
95th percentile per-packet one-way delay: 62.697 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

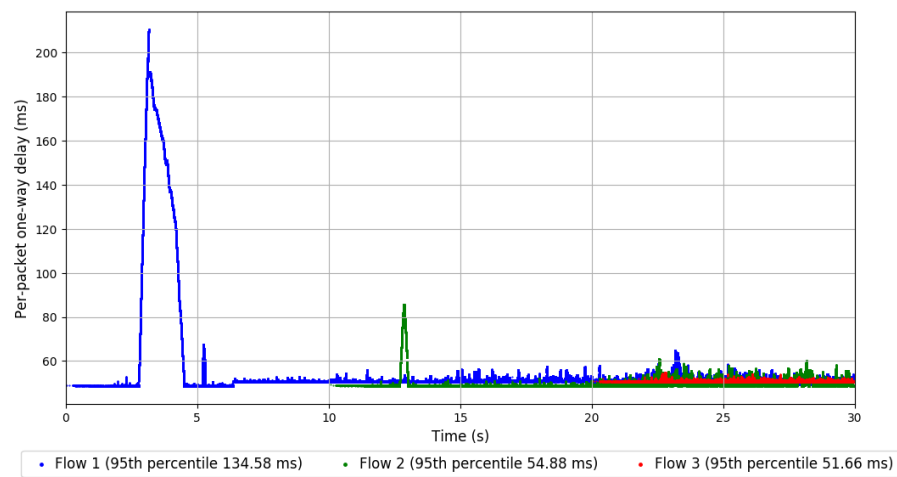
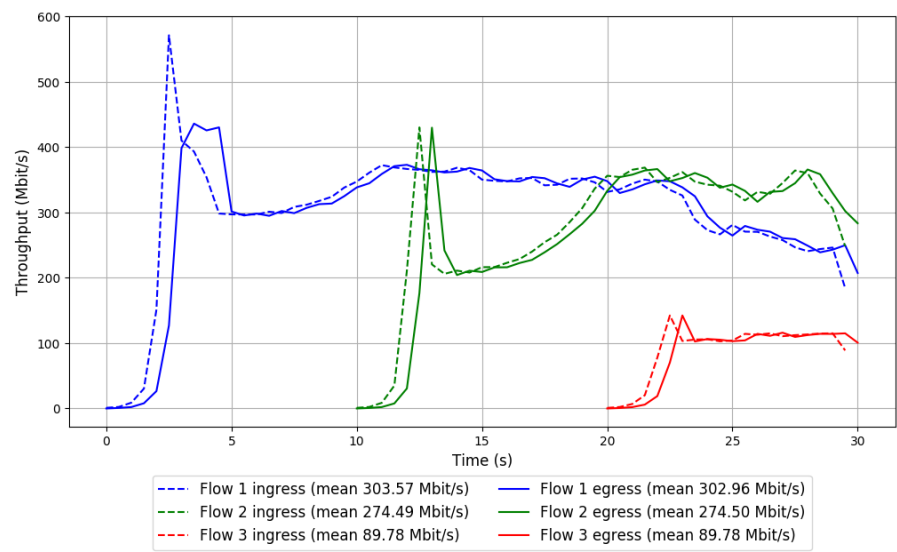


Run 3: Statistics of PCC-Vivace

Start at: 2018-06-07 06:07:51
End at: 2018-06-07 06:08:21
Local clock offset: 0.085 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-06-07 11:22:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 515.09 Mbit/s
95th percentile per-packet one-way delay: 66.818 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 302.96 Mbit/s
95th percentile per-packet one-way delay: 134.583 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 274.50 Mbit/s
95th percentile per-packet one-way delay: 54.877 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 89.78 Mbit/s
95th percentile per-packet one-way delay: 51.656 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

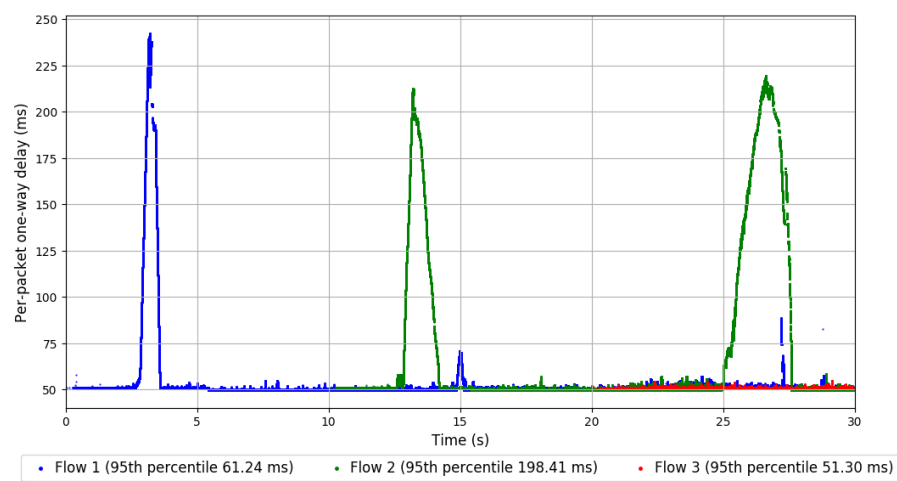
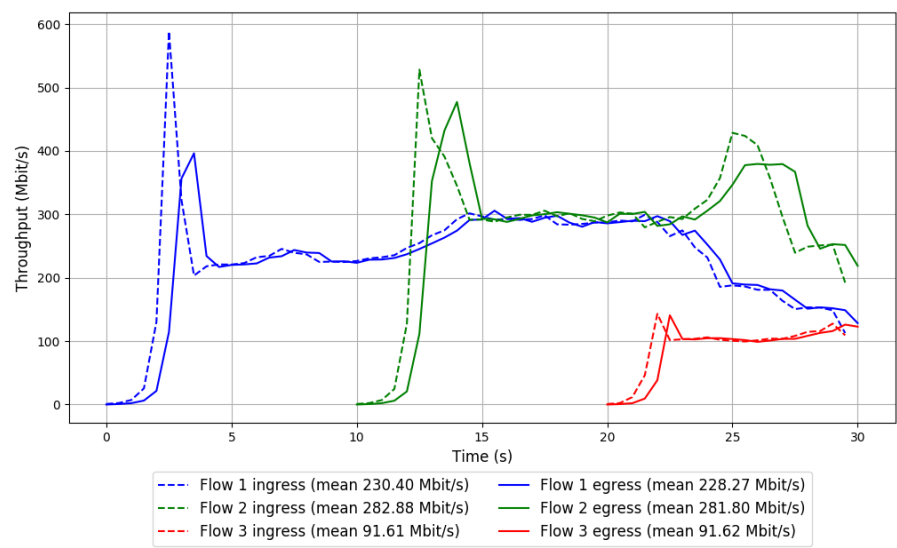


Run 4: Statistics of PCC-Vivace

Start at: 2018-06-07 06:31:12
End at: 2018-06-07 06:31:42
Local clock offset: 0.027 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-06-07 11:22:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 445.88 Mbit/s
95th percentile per-packet one-way delay: 184.223 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 228.27 Mbit/s
95th percentile per-packet one-way delay: 61.243 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 281.80 Mbit/s
95th percentile per-packet one-way delay: 198.410 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 91.62 Mbit/s
95th percentile per-packet one-way delay: 51.302 ms
Loss rate: 0.01%

Run 4: Report of PCC-Vivace — Data Link

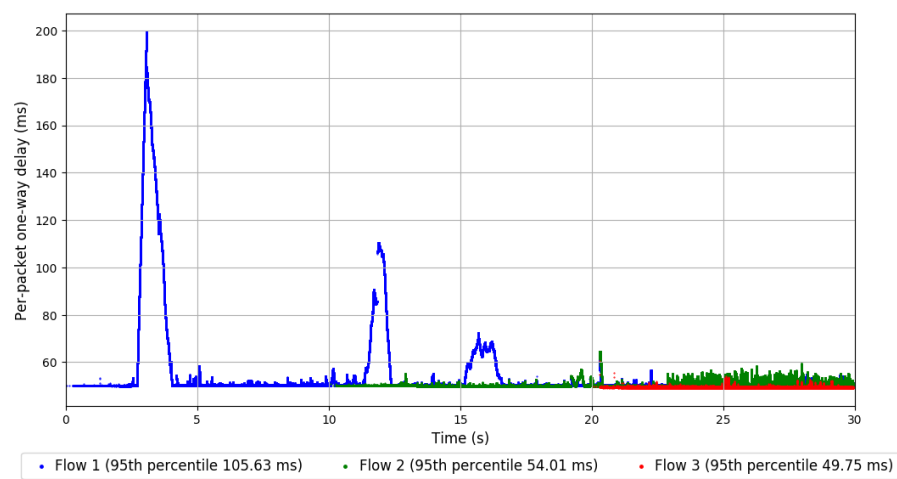
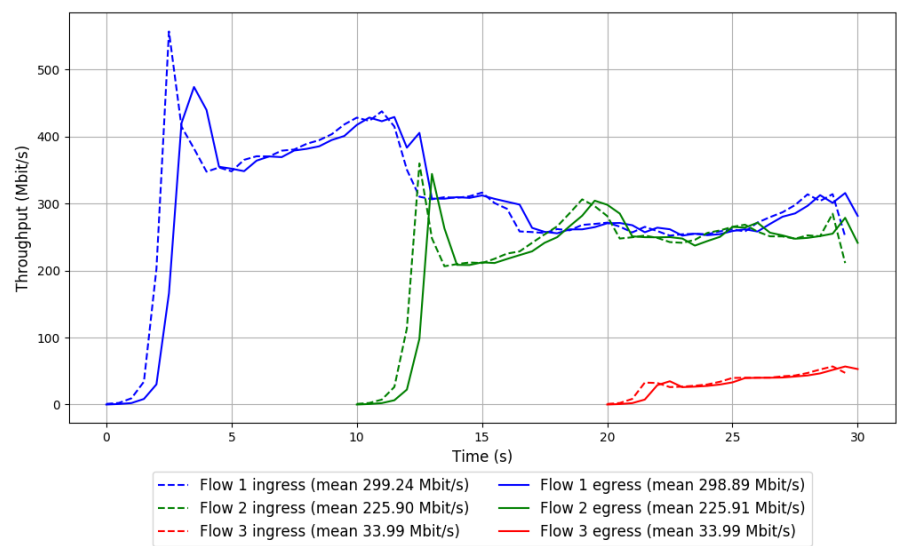


Run 5: Statistics of PCC-Vivace

Start at: 2018-06-07 06:54:14
End at: 2018-06-07 06:54:44
Local clock offset: 0.361 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-06-07 11:22:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 460.34 Mbit/s
95th percentile per-packet one-way delay: 77.721 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 298.89 Mbit/s
95th percentile per-packet one-way delay: 105.628 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 225.91 Mbit/s
95th percentile per-packet one-way delay: 54.009 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.99 Mbit/s
95th percentile per-packet one-way delay: 49.749 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

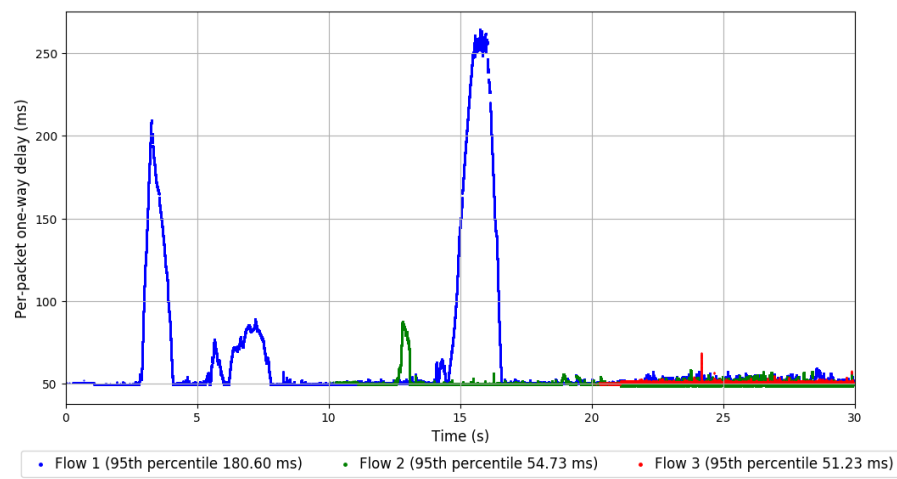
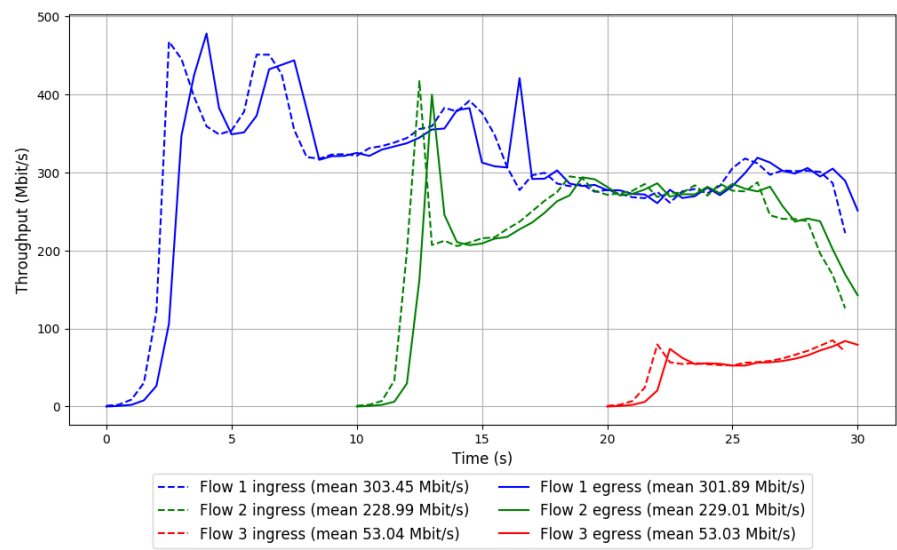


Run 6: Statistics of PCC-Vivace

Start at: 2018-06-07 07:17:16
End at: 2018-06-07 07:17:46
Local clock offset: -0.006 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-06-07 11:22:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 471.68 Mbit/s
95th percentile per-packet one-way delay: 144.246 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 301.89 Mbit/s
95th percentile per-packet one-way delay: 180.598 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 229.01 Mbit/s
95th percentile per-packet one-way delay: 54.735 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.03 Mbit/s
95th percentile per-packet one-way delay: 51.225 ms
Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link

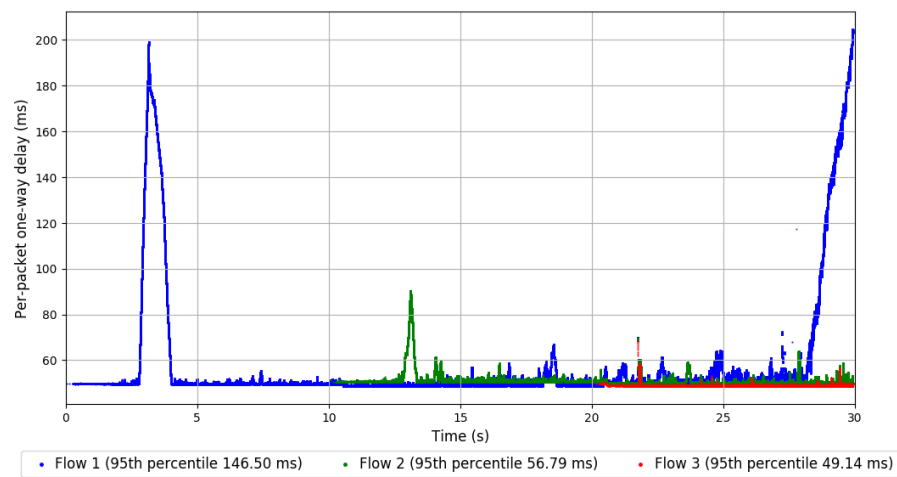
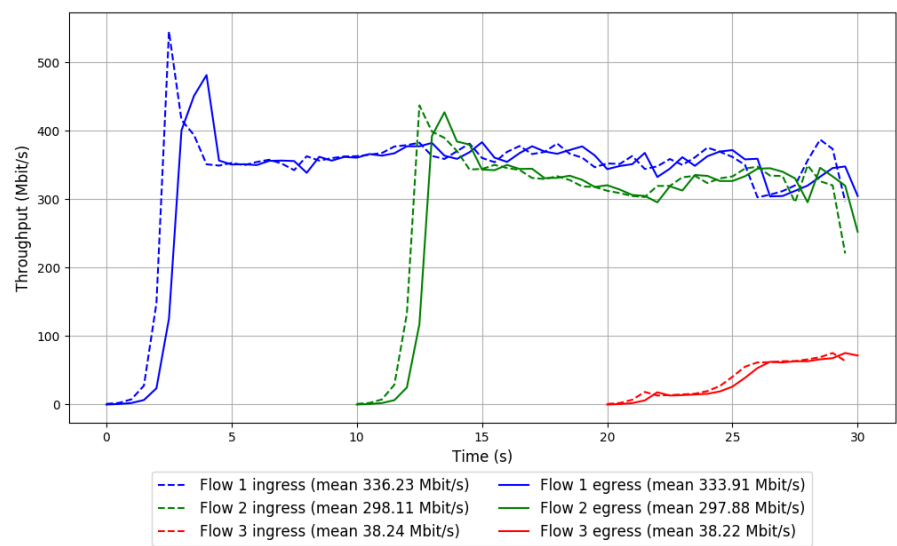


Run 7: Statistics of PCC-Vivace

Start at: 2018-06-07 07:40:27
End at: 2018-06-07 07:40:57
Local clock offset: 0.004 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-06-07 11:24:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 544.58 Mbit/s
95th percentile per-packet one-way delay: 101.855 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 333.91 Mbit/s
95th percentile per-packet one-way delay: 146.499 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 297.88 Mbit/s
95th percentile per-packet one-way delay: 56.792 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 38.22 Mbit/s
95th percentile per-packet one-way delay: 49.140 ms
Loss rate: 0.06%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-06-07 08:03:48

End at: 2018-06-07 08:04:18

Local clock offset: -0.031 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-06-07 11:24:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 478.09 Mbit/s

95th percentile per-packet one-way delay: 84.206 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 270.71 Mbit/s

95th percentile per-packet one-way delay: 58.255 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 275.04 Mbit/s

95th percentile per-packet one-way delay: 105.267 ms

Loss rate: 0.00%

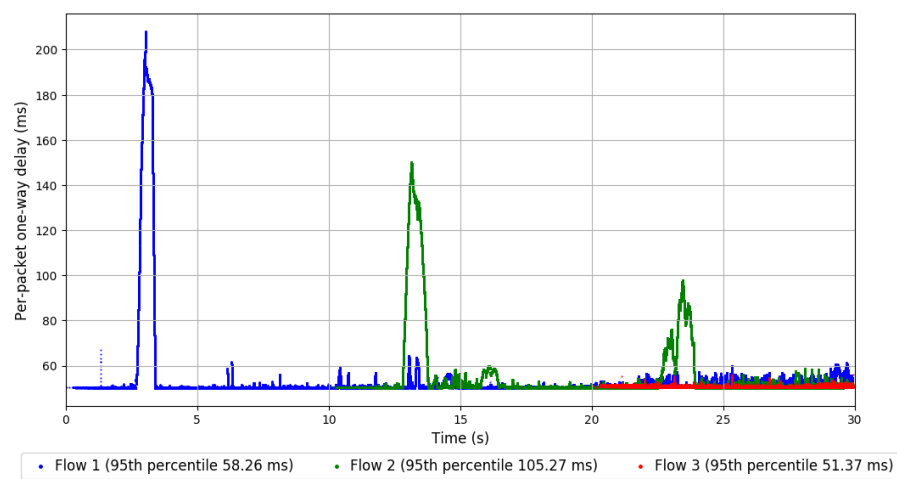
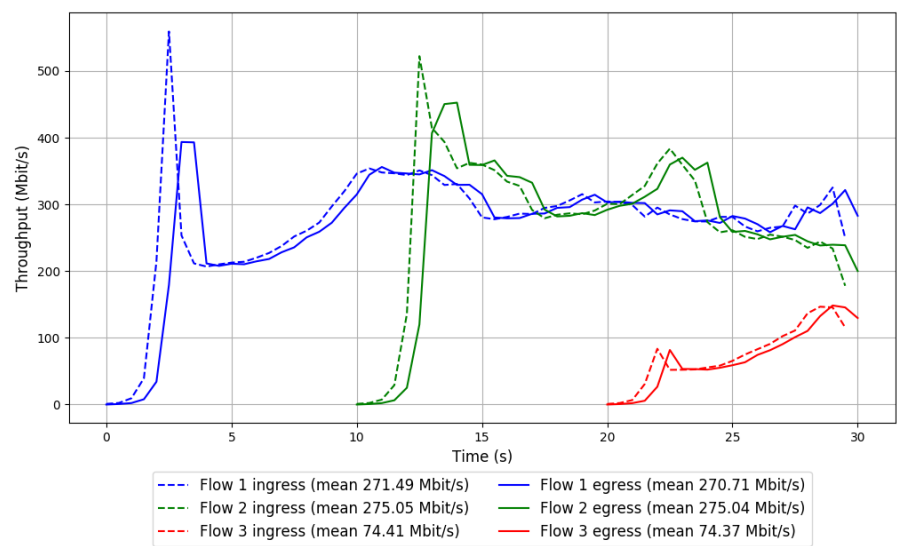
-- Flow 3:

Average throughput: 74.37 Mbit/s

95th percentile per-packet one-way delay: 51.366 ms

Loss rate: 0.01%

Run 8: Report of PCC-Vivace — Data Link

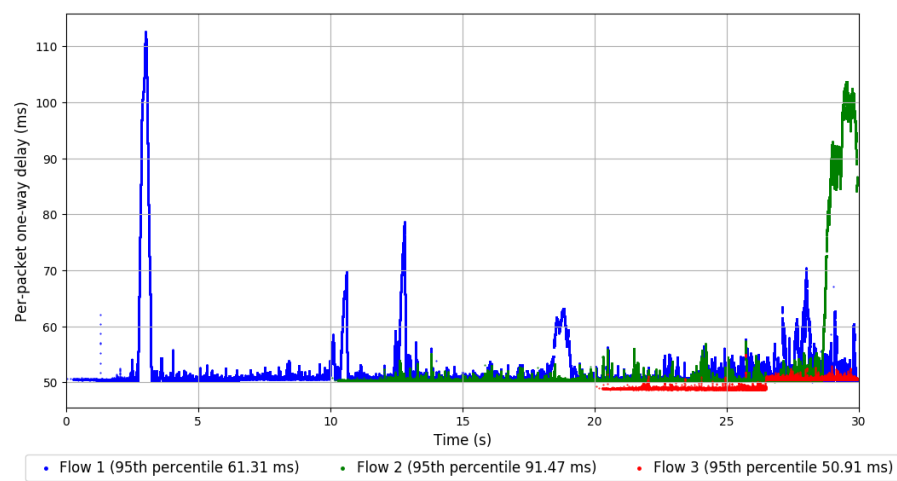
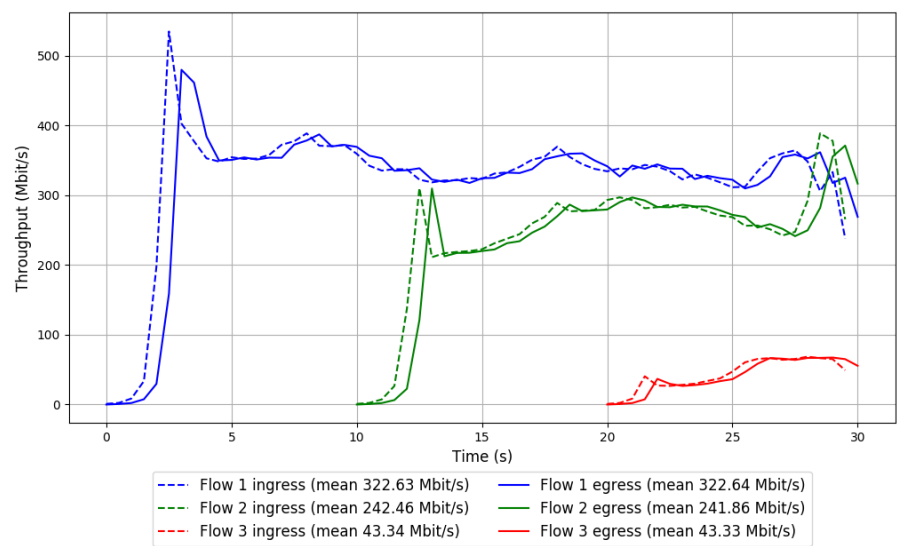


Run 9: Statistics of PCC-Vivace

Start at: 2018-06-07 08:26:51
End at: 2018-06-07 08:27:21
Local clock offset: 0.05 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-06-07 11:25:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 497.77 Mbit/s
95th percentile per-packet one-way delay: 66.231 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 322.64 Mbit/s
95th percentile per-packet one-way delay: 61.306 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 241.86 Mbit/s
95th percentile per-packet one-way delay: 91.474 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 43.33 Mbit/s
95th percentile per-packet one-way delay: 50.914 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link

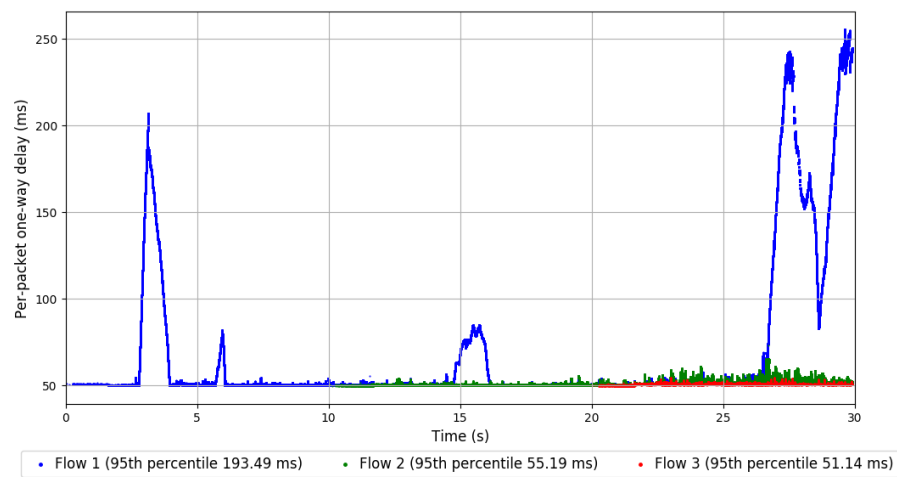
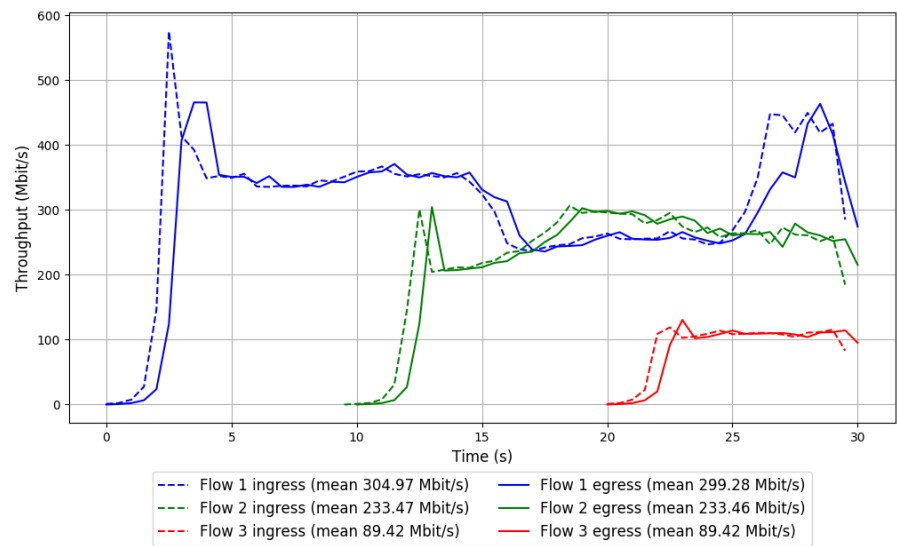


Run 10: Statistics of PCC-Vivace

Start at: 2018-06-07 08:50:06
End at: 2018-06-07 08:50:36
Local clock offset: 0.076 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-06-07 11:25:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 484.18 Mbit/s
95th percentile per-packet one-way delay: 168.112 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 299.28 Mbit/s
95th percentile per-packet one-way delay: 193.494 ms
Loss rate: 1.86%
-- Flow 2:
Average throughput: 233.46 Mbit/s
95th percentile per-packet one-way delay: 55.191 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 89.42 Mbit/s
95th percentile per-packet one-way delay: 51.139 ms
Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

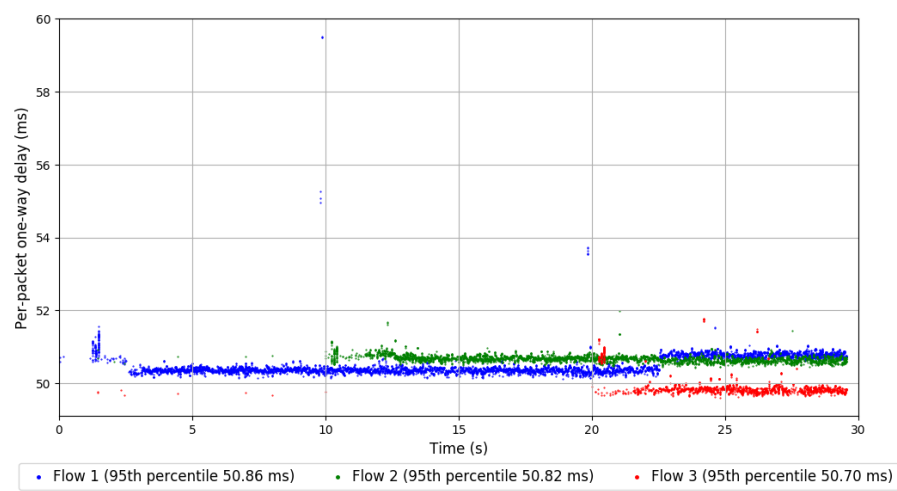
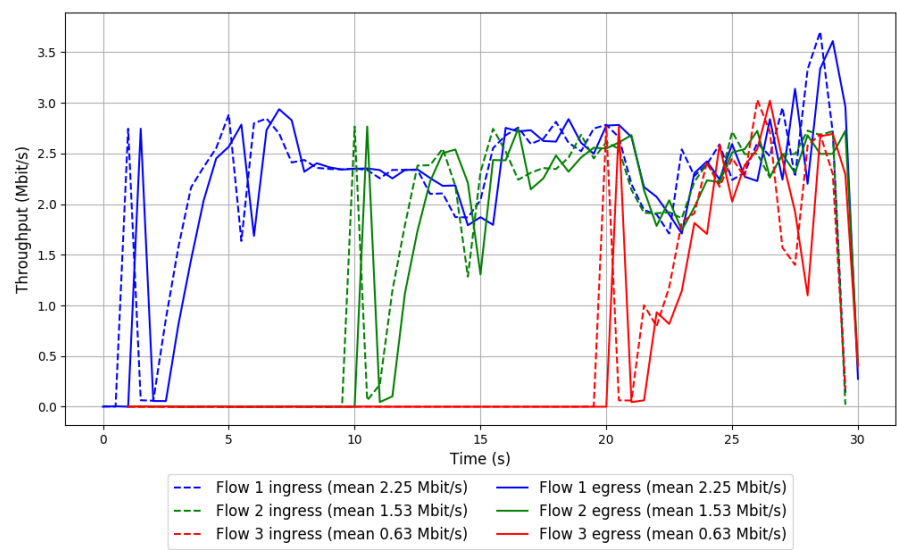


Run 1: Statistics of WebRTC media

Start at: 2018-06-07 05:03:14
End at: 2018-06-07 05:03:44
Local clock offset: -0.051 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-06-07 11:25:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 50.851 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 50.864 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 50.824 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 50.698 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-06-07 05:26:28

End at: 2018-06-07 05:26:58

Local clock offset: -0.028 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-06-07 11:25:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.95 Mbit/s

95th percentile per-packet one-way delay: 50.907 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 50.912 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 50.884 ms

Loss rate: 0.00%

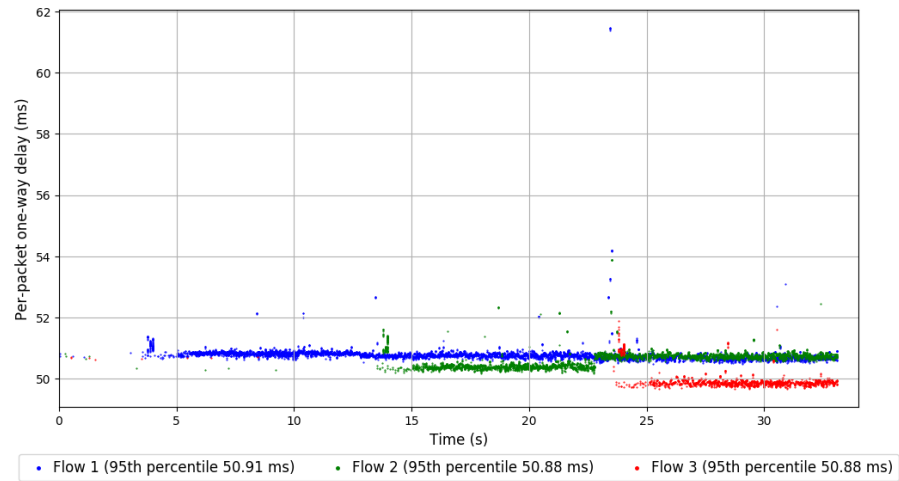
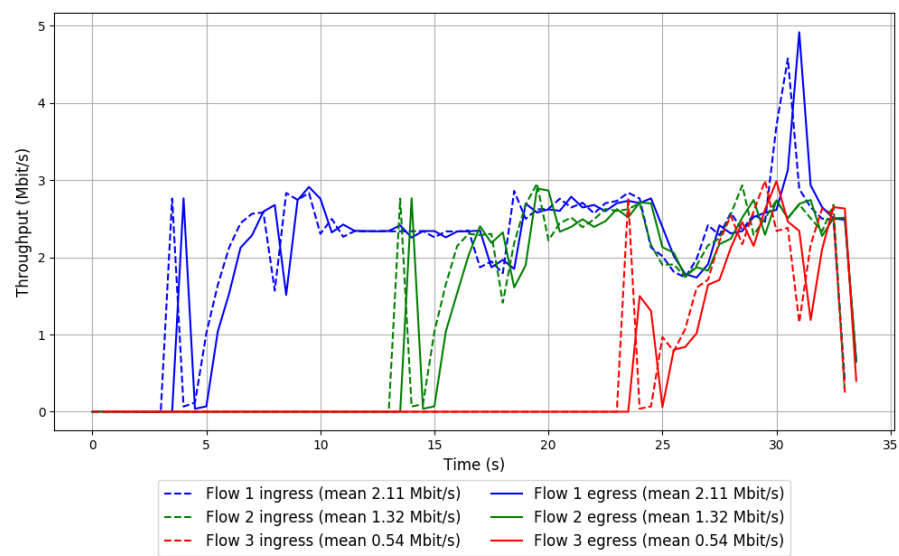
-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 50.876 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

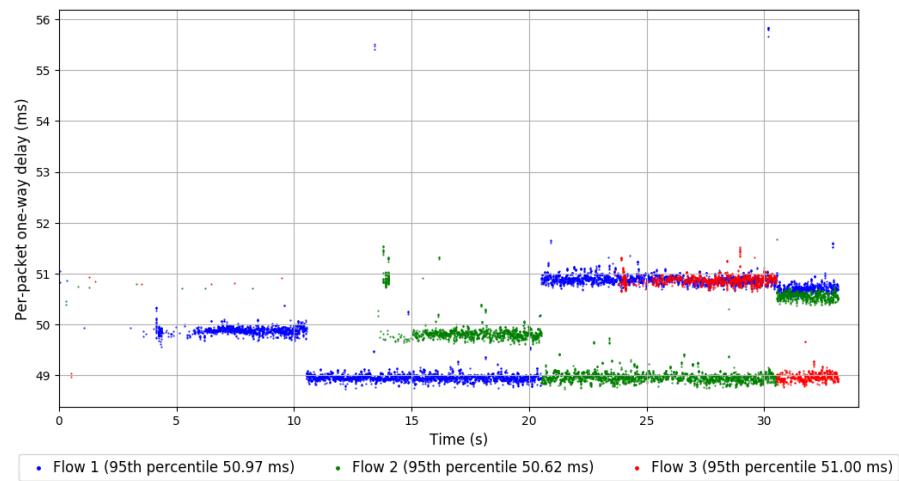
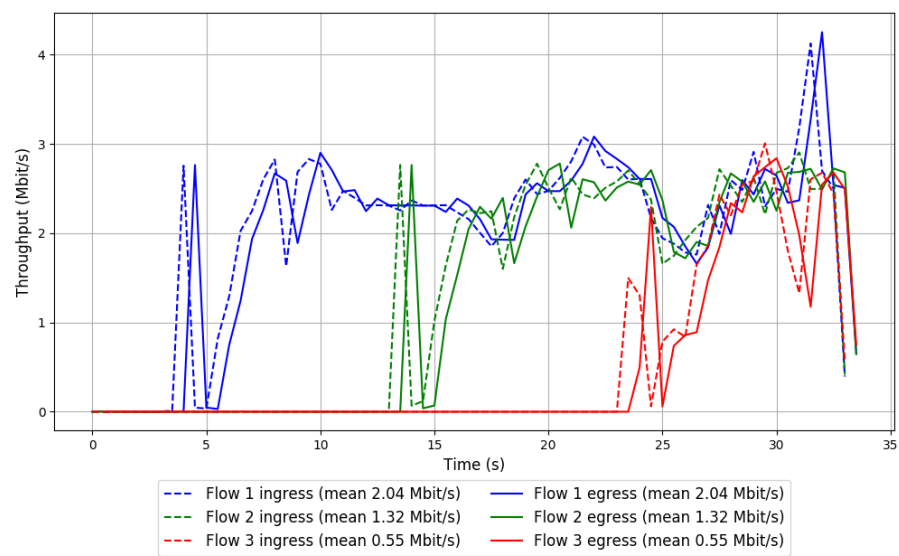


Run 3: Statistics of WebRTC media

Start at: 2018-06-07 05:49:40
End at: 2018-06-07 05:50:10
Local clock offset: 0.062 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-06-07 11:25:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 50.960 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 50.973 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 50.624 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 50.998 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

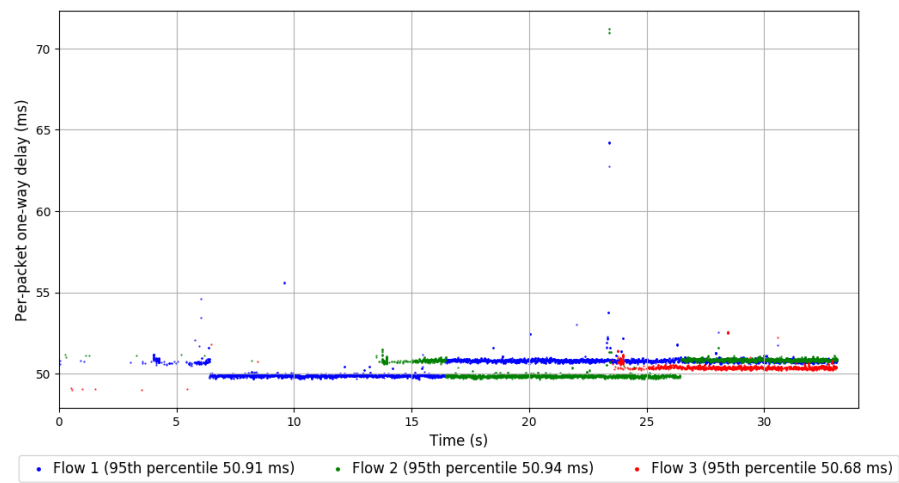
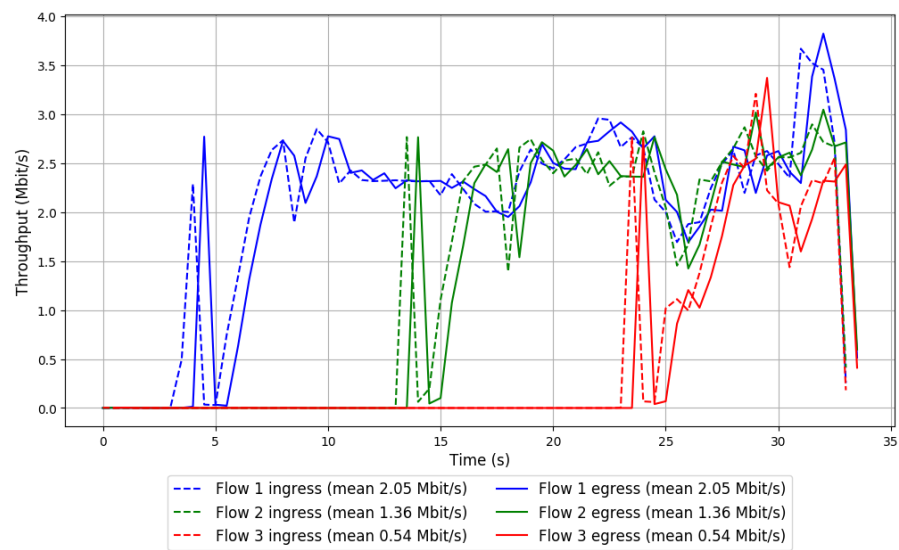


Run 4: Statistics of WebRTC media

Start at: 2018-06-07 06:12:44
End at: 2018-06-07 06:13:14
Local clock offset: 0.029 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-06-07 11:25:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 50.921 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 50.910 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.36 Mbit/s
95th percentile per-packet one-way delay: 50.943 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 50.682 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

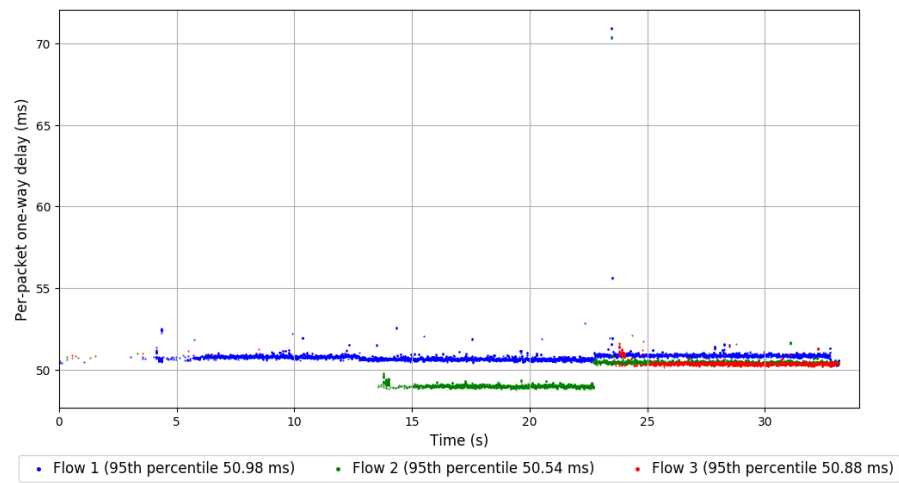
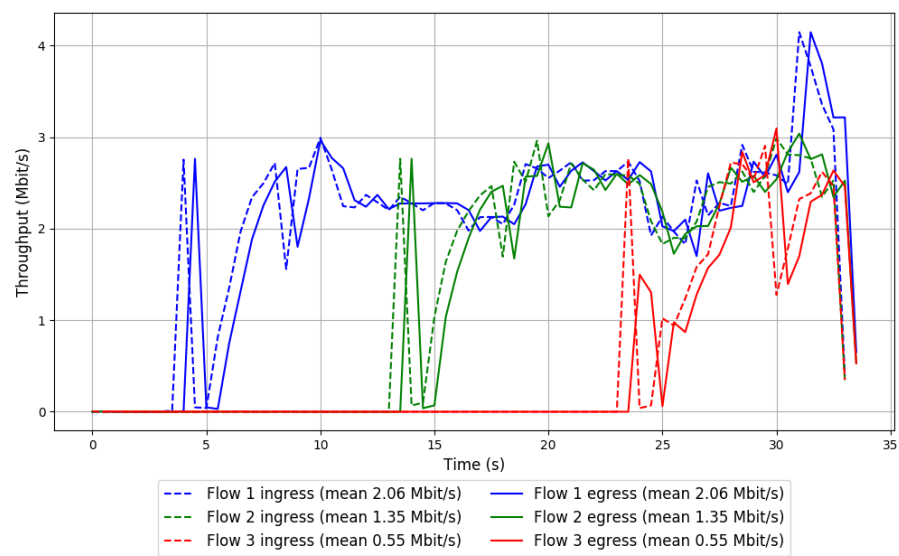


Run 5: Statistics of WebRTC media

Start at: 2018-06-07 06:35:58
End at: 2018-06-07 06:36:28
Local clock offset: 0.034 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-06-07 11:25:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 50.949 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 50.980 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.35 Mbit/s
95th percentile per-packet one-way delay: 50.539 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 50.878 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

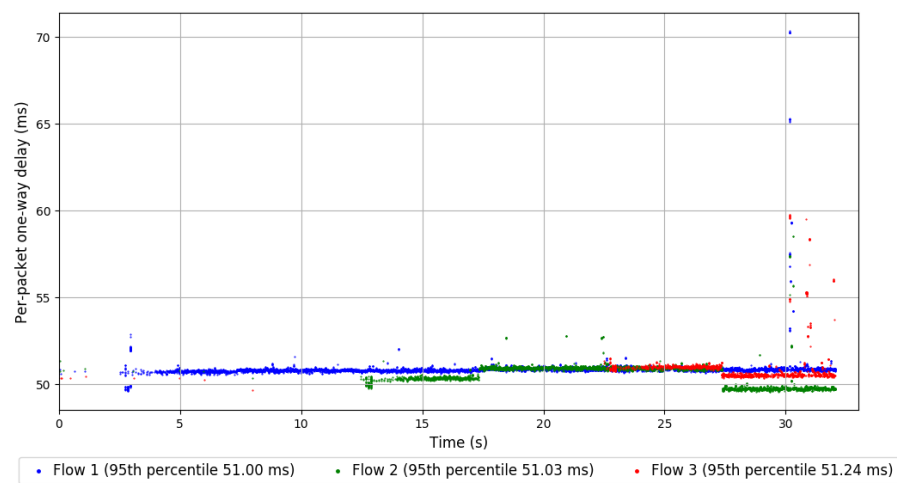
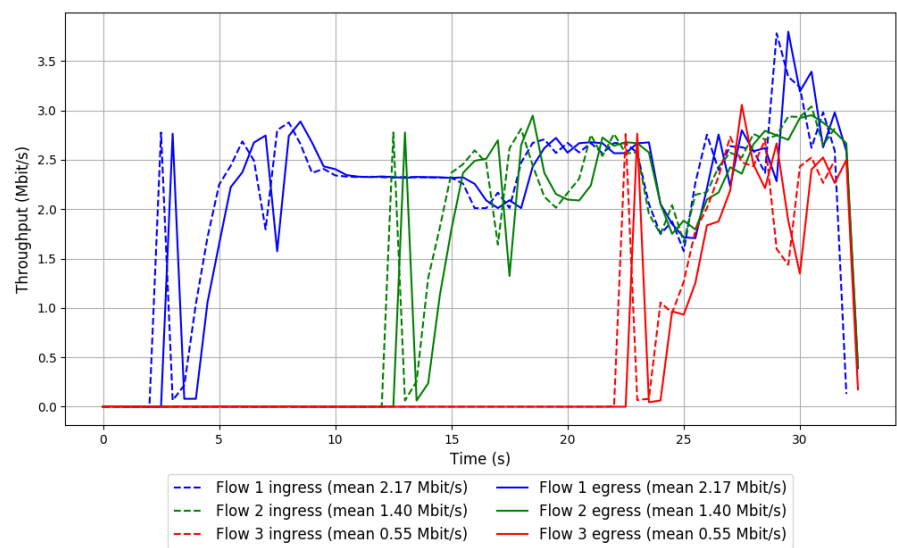


Run 6: Statistics of WebRTC media

Start at: 2018-06-07 06:59:02
End at: 2018-06-07 06:59:32
Local clock offset: 0.006 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-06-07 11:25:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.12 Mbit/s
95th percentile per-packet one-way delay: 51.043 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 50.996 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.40 Mbit/s
95th percentile per-packet one-way delay: 51.030 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 51.244 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

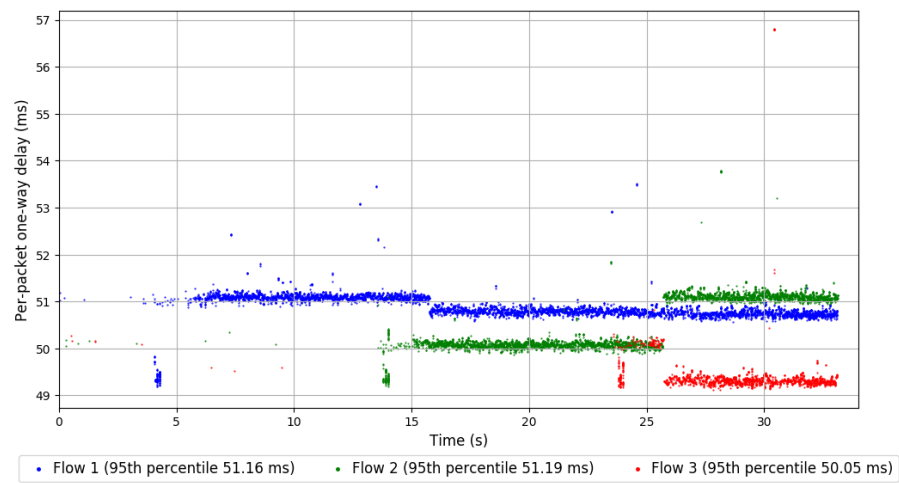
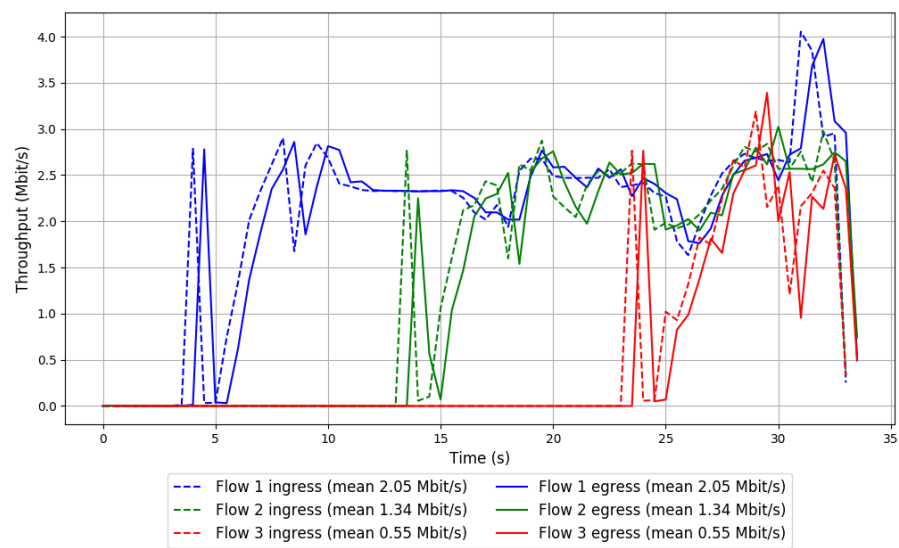


Run 7: Statistics of WebRTC media

Start at: 2018-06-07 07:22:15
End at: 2018-06-07 07:22:45
Local clock offset: -0.396 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-06-07 11:25:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 51.166 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 51.159 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 51.192 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 50.052 ms
Loss rate: 0.05%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-06-07 07:45:24

End at: 2018-06-07 07:45:54

Local clock offset: 0.011 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-06-07 11:25:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.90 Mbit/s

95th percentile per-packet one-way delay: 50.918 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 50.935 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 50.892 ms

Loss rate: 0.00%

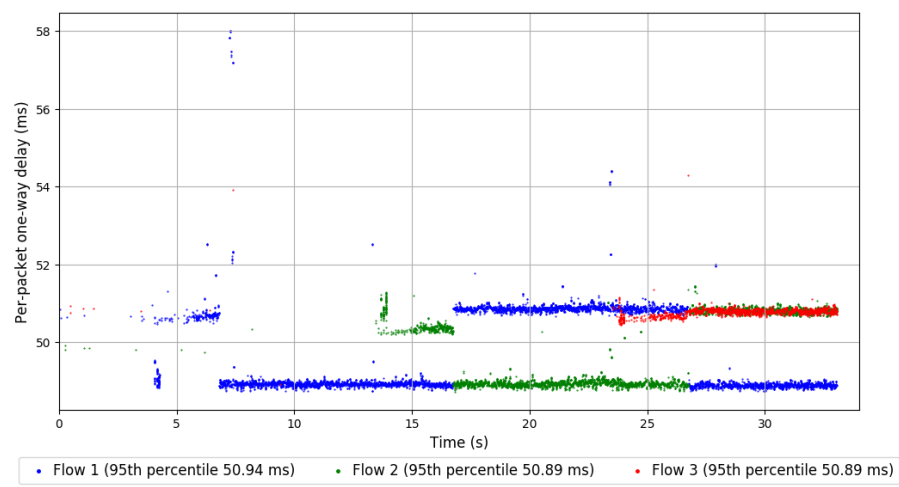
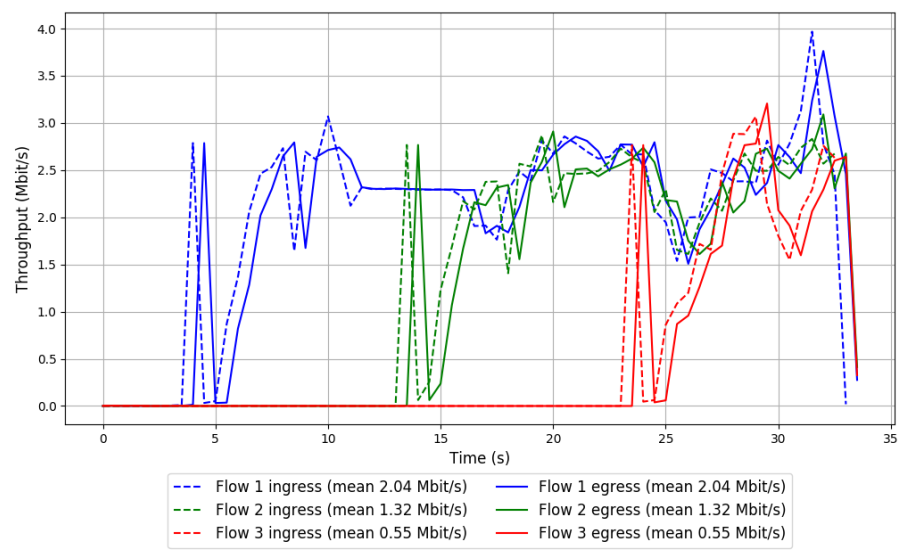
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 50.894 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-06-07 08:08:37

End at: 2018-06-07 08:09:07

Local clock offset: 0.004 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-06-07 11:25:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.93 Mbit/s

95th percentile per-packet one-way delay: 50.786 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 50.480 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.37 Mbit/s

95th percentile per-packet one-way delay: 50.847 ms

Loss rate: 0.00%

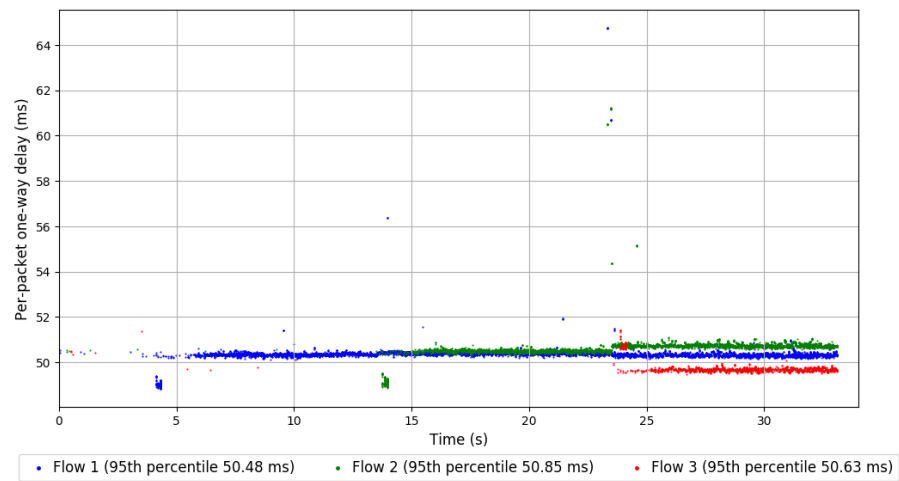
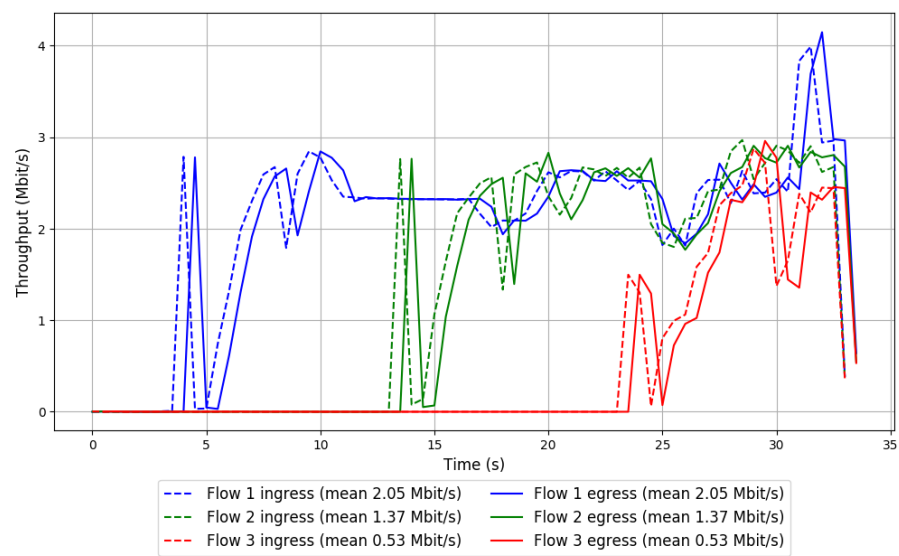
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 50.634 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-07 08:31:39
End at: 2018-06-07 08:32:09
Local clock offset: -0.332 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-06-07 11:25:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 51.188 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 50.945 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.37 Mbit/s
95th percentile per-packet one-way delay: 51.229 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 51.218 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

