

Pantheon Report

Generated at 2018-08-04 07:55:47 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

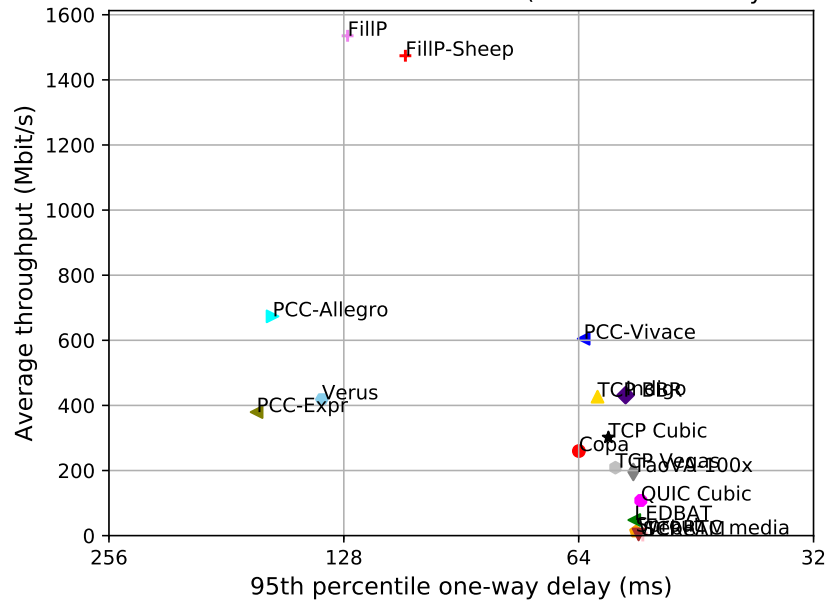
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

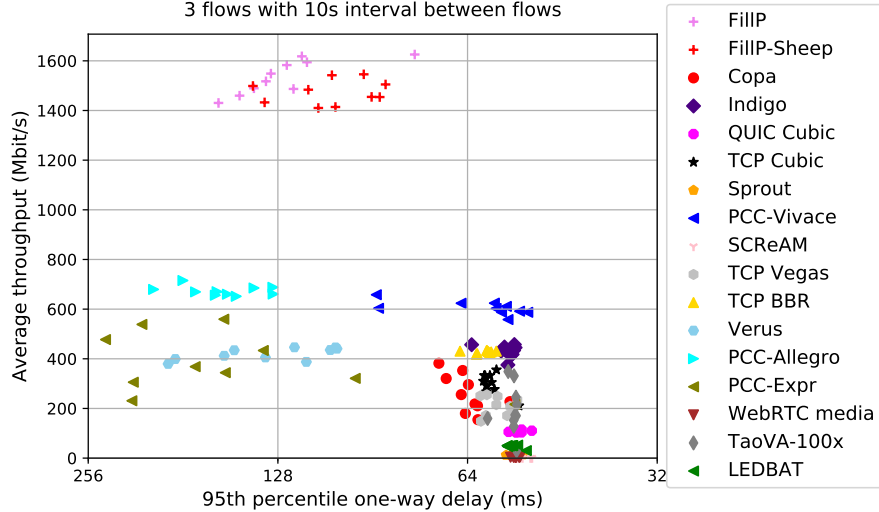
Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
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 @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



test from GCE Tokyo to GCE Sydney, 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	215.10	214.57	209.45	59.21	60.65	62.05	0.36	0.55	1.14
Copa	10	136.48	133.82	106.06	59.76	65.81	64.46	0.29	0.29	1.98
TCP Cubic	10	198.08	119.60	72.87	59.13	55.88	55.13	0.35	0.84	2.38
FillP	10	815.70	756.17	659.96	119.04	128.10	120.30	2.42	3.93	3.57
FillP-Sheep	10	804.59	722.23	577.74	101.67	106.39	102.50	0.47	1.05	1.54
Indigo	10	215.68	234.16	182.31	54.86	55.73	56.92	0.36	0.46	1.22
LEDBAT	10	30.65	21.12	10.16	54.45	53.89	53.27	0.73	1.06	2.18
PCC-Allegro	10	592.29	97.80	50.16	160.86	136.33	137.90	3.05	2.46	3.74
PCC-Expr	10	220.52	200.56	78.88	118.42	123.07	96.36	4.55	2.88	4.37
QUIC Cubic	10	68.56	48.96	20.27	52.26	51.61	52.13	0.49	0.89	2.33
SCReAM	10	0.21	0.21	0.22	52.53	52.94	50.97	0.32	0.62	1.09
Sprout	10	6.45	6.18	5.48	54.08	54.35	53.61	0.33	0.69	1.62
TaoVA-100x	10	81.55	122.83	148.34	54.24	53.60	53.53	0.21	0.62	0.75
TCP Vegas	10	88.53	129.85	102.98	55.56	57.01	55.98	0.34	0.49	1.34
Verus	10	245.54	186.55	151.39	130.38	125.63	139.16	1.17	1.33	2.94
PCC-Vivace	10	349.58	320.32	130.29	77.61	59.58	52.72	0.46	0.44	1.39
WebRTC media	10	1.91	1.22	0.49	53.03	52.03	53.04	0.37	0.72	0.75

Run 1: Statistics of TCP BBR

Start at: 2018-08-04 00:40:00

End at: 2018-08-04 00:40:30

Local clock offset: -0.051 ms

Remote clock offset: 1.132 ms

Below is generated by plot.py at 2018-08-04 05:10:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 419.16 Mbit/s

95th percentile per-packet one-way delay: 61.888 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 210.88 Mbit/s

95th percentile per-packet one-way delay: 61.388 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 209.87 Mbit/s

95th percentile per-packet one-way delay: 60.672 ms

Loss rate: 0.57%

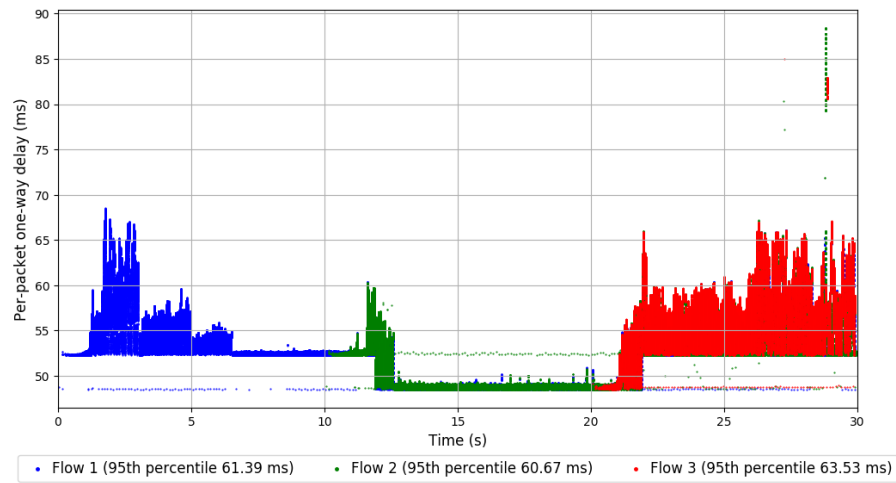
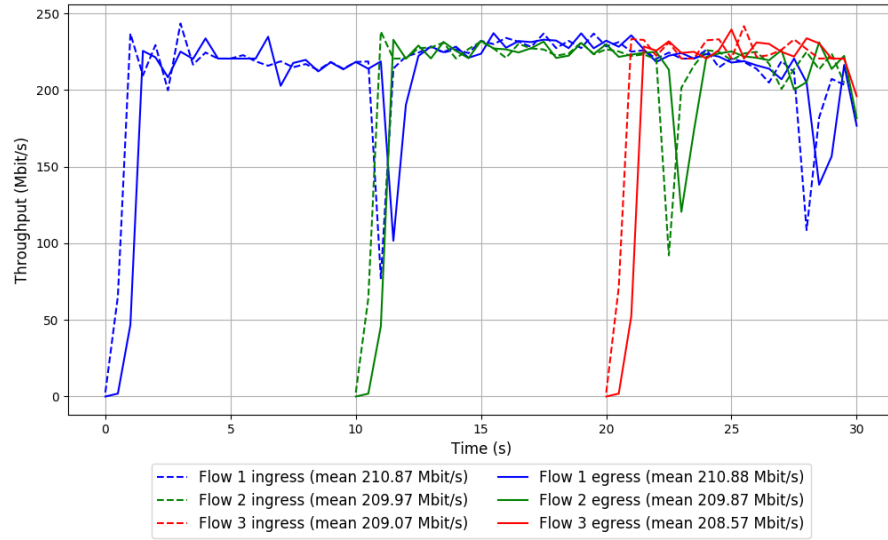
-- Flow 3:

Average throughput: 208.57 Mbit/s

95th percentile per-packet one-way delay: 63.530 ms

Loss rate: 1.18%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-08-04 01:05:28

End at: 2018-08-04 01:05:58

Local clock offset: 0.019 ms

Remote clock offset: 1.12 ms

Below is generated by plot.py at 2018-08-04 05:10:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 430.64 Mbit/s

95th percentile per-packet one-way delay: 65.777 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 219.59 Mbit/s

95th percentile per-packet one-way delay: 59.627 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 212.37 Mbit/s

95th percentile per-packet one-way delay: 67.645 ms

Loss rate: 0.57%

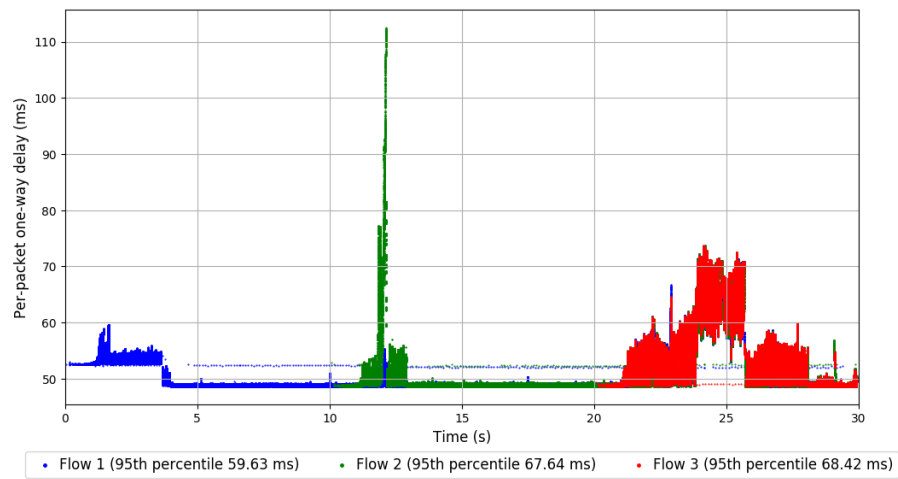
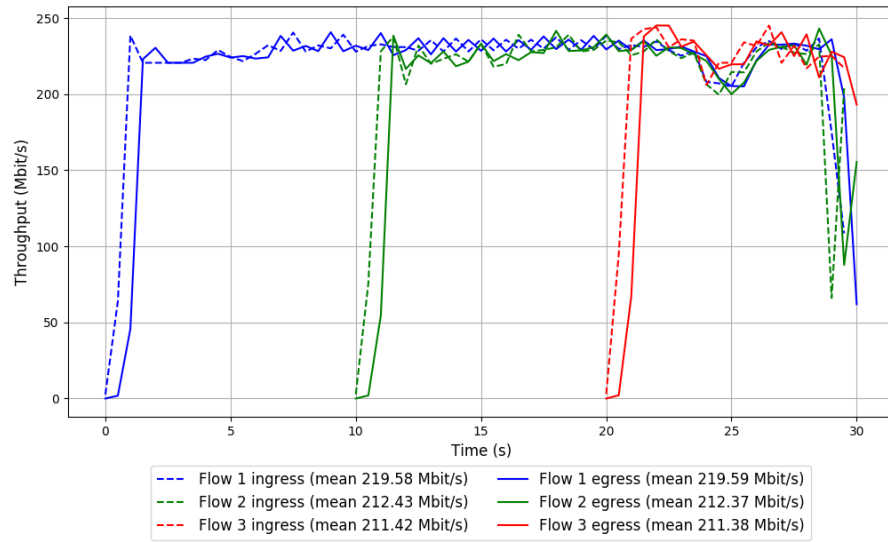
-- Flow 3:

Average throughput: 211.38 Mbit/s

95th percentile per-packet one-way delay: 68.415 ms

Loss rate: 1.06%

Run 2: Report of TCP BBR — Data Link

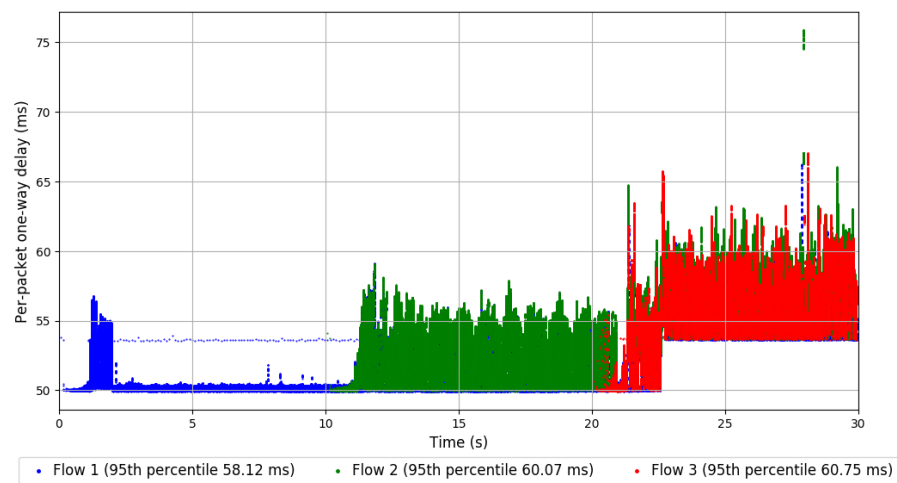
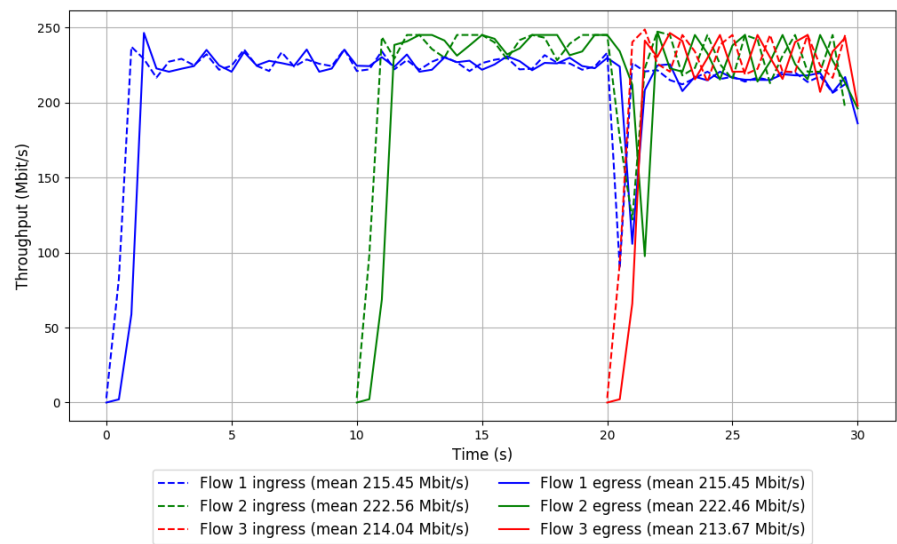


Run 3: Statistics of TCP BBR

Start at: 2018-08-04 01:30:59
End at: 2018-08-04 01:31:29
Local clock offset: 0.021 ms
Remote clock offset: -0.251 ms

Below is generated by plot.py at 2018-08-04 05:10:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 433.60 Mbit/s
95th percentile per-packet one-way delay: 59.611 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 215.45 Mbit/s
95th percentile per-packet one-way delay: 58.116 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 222.46 Mbit/s
95th percentile per-packet one-way delay: 60.066 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 213.67 Mbit/s
95th percentile per-packet one-way delay: 60.749 ms
Loss rate: 1.15%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-08-04 01:56:35

End at: 2018-08-04 01:57:05

Local clock offset: 0.088 ms

Remote clock offset: 0.127 ms

Below is generated by plot.py at 2018-08-04 05:10:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 433.25 Mbit/s

95th percentile per-packet one-way delay: 59.676 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 217.89 Mbit/s

95th percentile per-packet one-way delay: 59.005 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 219.30 Mbit/s

95th percentile per-packet one-way delay: 60.283 ms

Loss rate: 0.56%

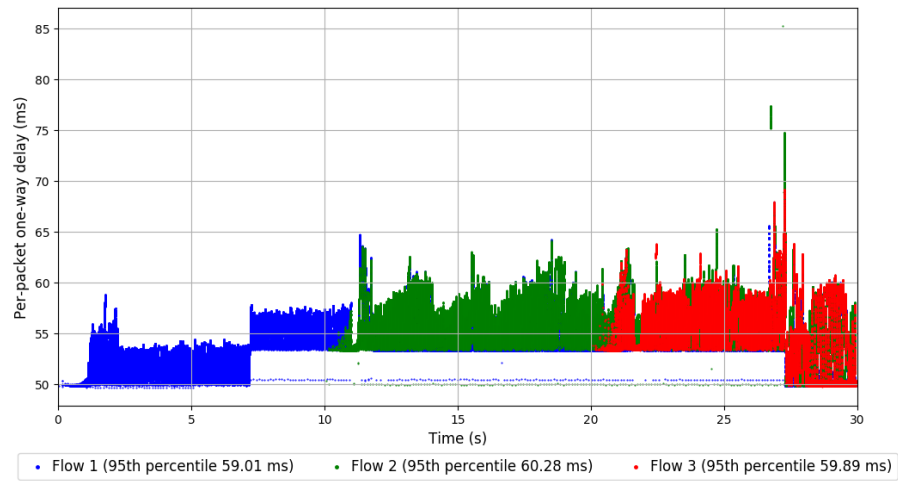
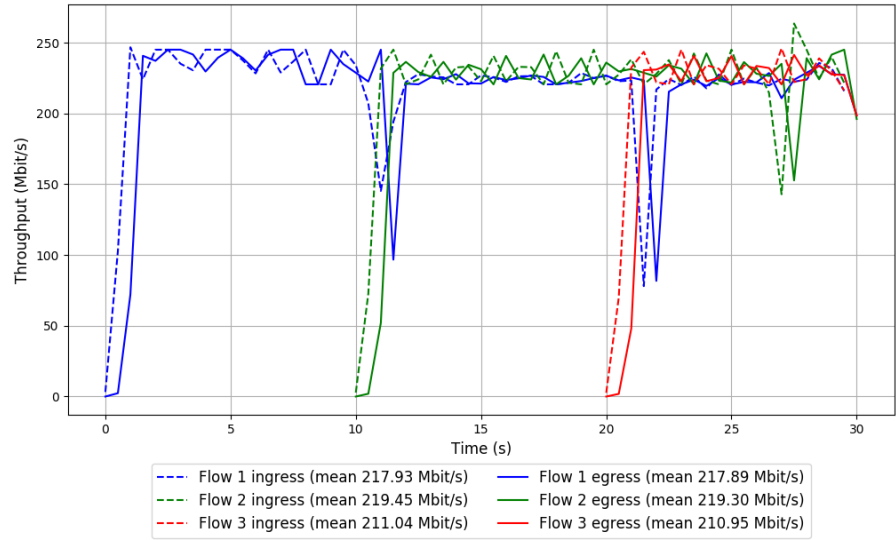
-- Flow 3:

Average throughput: 210.95 Mbit/s

95th percentile per-packet one-way delay: 59.891 ms

Loss rate: 1.11%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-08-04 02:21:58

End at: 2018-08-04 02:22:28

Local clock offset: -0.047 ms

Remote clock offset: -0.22 ms

Below is generated by plot.py at 2018-08-04 05:10:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 430.80 Mbit/s

95th percentile per-packet one-way delay: 57.611 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 216.54 Mbit/s

95th percentile per-packet one-way delay: 56.424 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 214.16 Mbit/s

95th percentile per-packet one-way delay: 57.573 ms

Loss rate: 0.49%

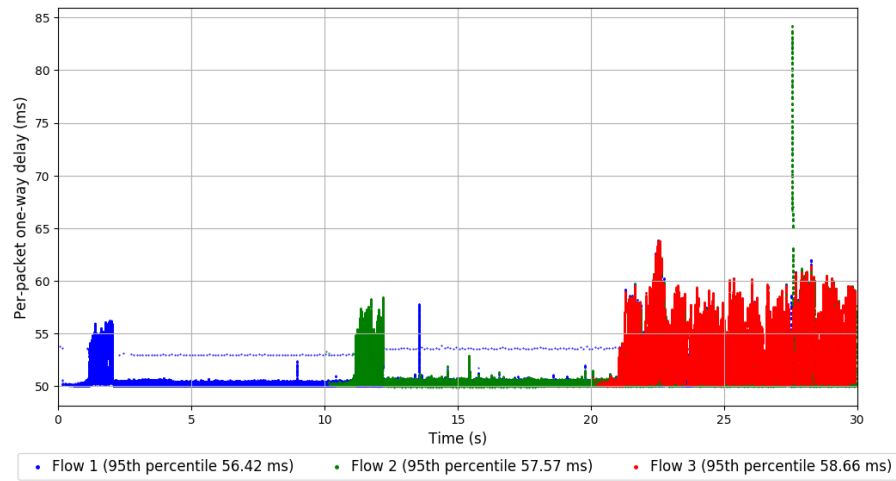
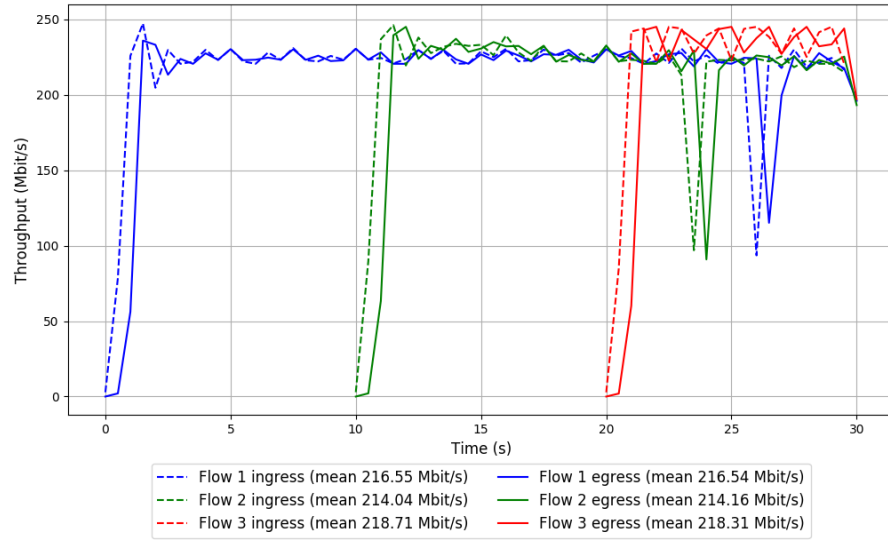
-- Flow 3:

Average throughput: 218.31 Mbit/s

95th percentile per-packet one-way delay: 58.655 ms

Loss rate: 1.13%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-08-04 02:47:23

End at: 2018-08-04 02:47:53

Local clock offset: 0.049 ms

Remote clock offset: 0.084 ms

Below is generated by plot.py at 2018-08-04 05:10:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 424.93 Mbit/s

95th percentile per-packet one-way delay: 59.037 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 214.14 Mbit/s

95th percentile per-packet one-way delay: 58.125 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 216.96 Mbit/s

95th percentile per-packet one-way delay: 59.602 ms

Loss rate: 0.57%

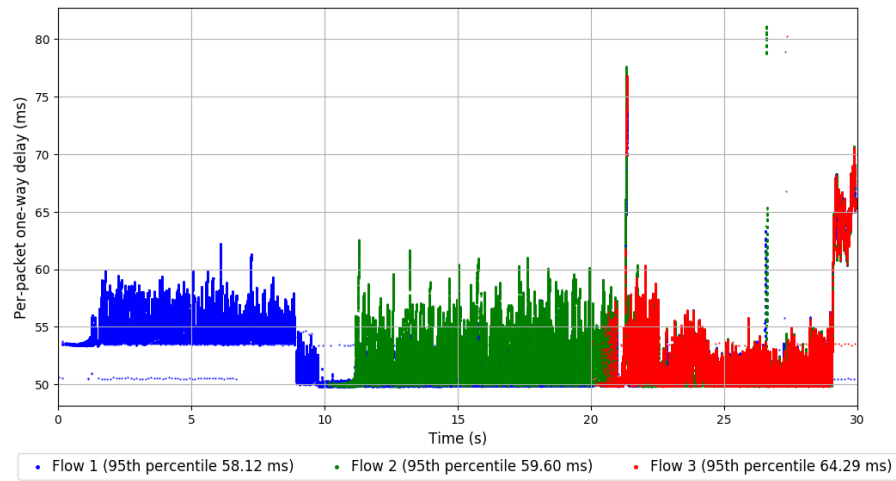
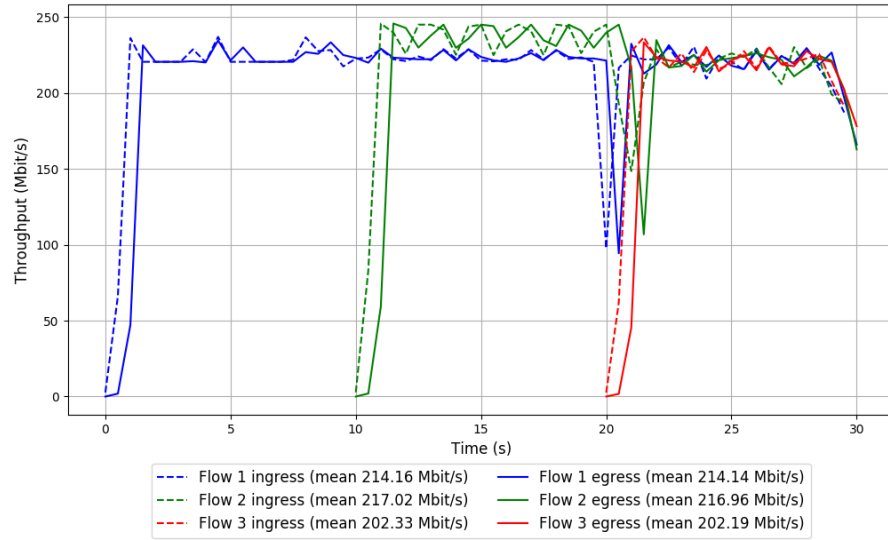
-- Flow 3:

Average throughput: 202.19 Mbit/s

95th percentile per-packet one-way delay: 64.291 ms

Loss rate: 1.16%

Run 6: Report of TCP BBR — Data Link

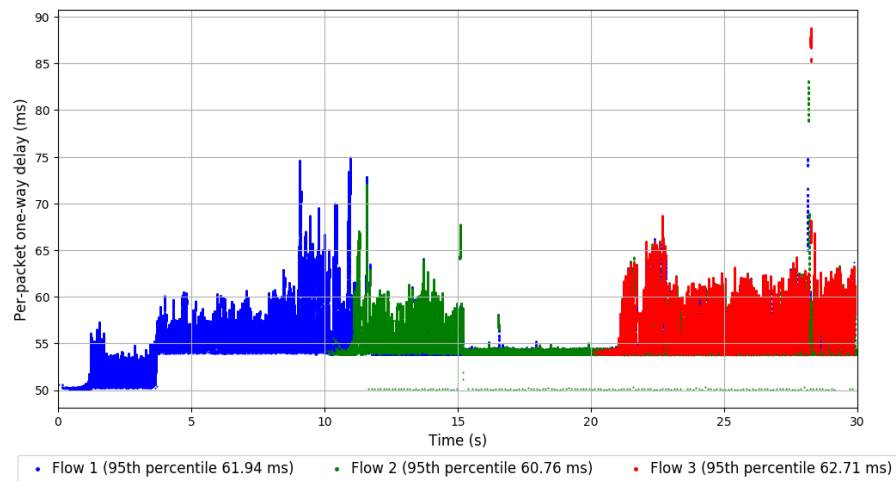
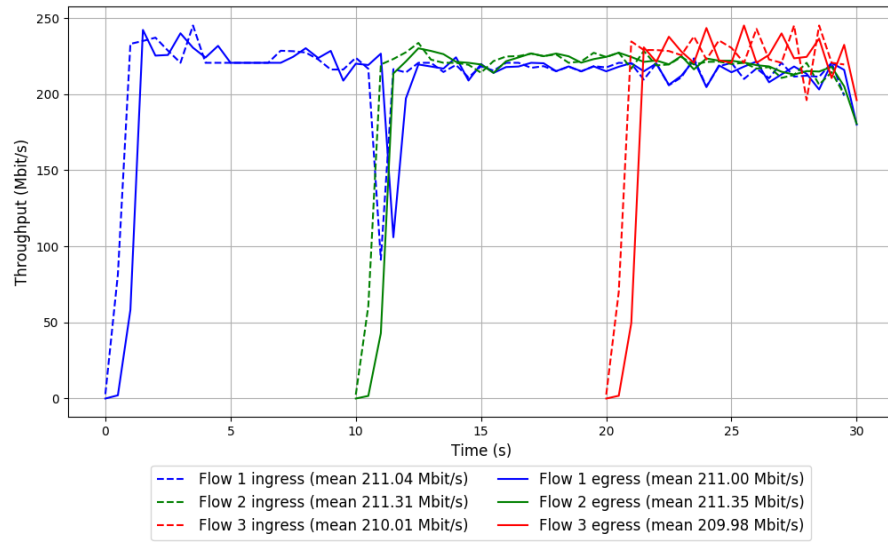


Run 7: Statistics of TCP BBR

Start at: 2018-08-04 03:12:38
End at: 2018-08-04 03:13:08
Local clock offset: 0.198 ms
Remote clock offset: -0.257 ms

Below is generated by plot.py at 2018-08-04 05:10:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 420.66 Mbit/s
95th percentile per-packet one-way delay: 61.776 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 211.00 Mbit/s
95th percentile per-packet one-way delay: 61.944 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 211.35 Mbit/s
95th percentile per-packet one-way delay: 60.756 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 209.98 Mbit/s
95th percentile per-packet one-way delay: 62.711 ms
Loss rate: 1.15%

Run 7: Report of TCP BBR — Data Link

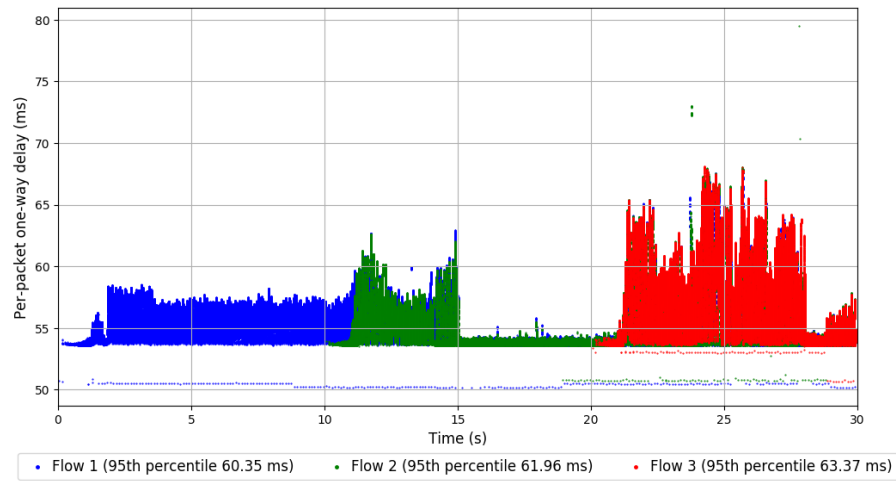
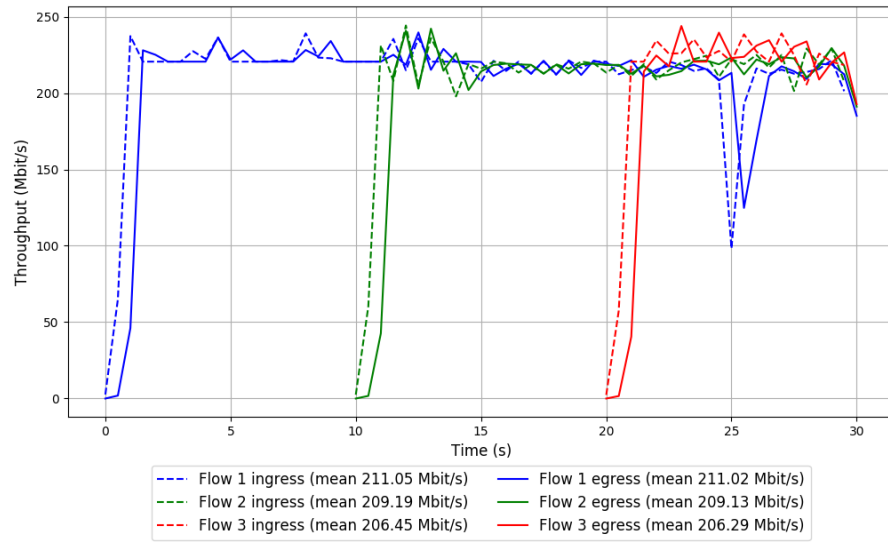


Run 8: Statistics of TCP BBR

Start at: 2018-08-04 03:38:01
End at: 2018-08-04 03:38:31
Local clock offset: 0.026 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-08-04 05:10:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 418.14 Mbit/s
95th percentile per-packet one-way delay: 61.946 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 211.02 Mbit/s
95th percentile per-packet one-way delay: 60.349 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 209.13 Mbit/s
95th percentile per-packet one-way delay: 61.957 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 206.29 Mbit/s
95th percentile per-packet one-way delay: 63.369 ms
Loss rate: 1.13%

Run 8: Report of TCP BBR — Data Link

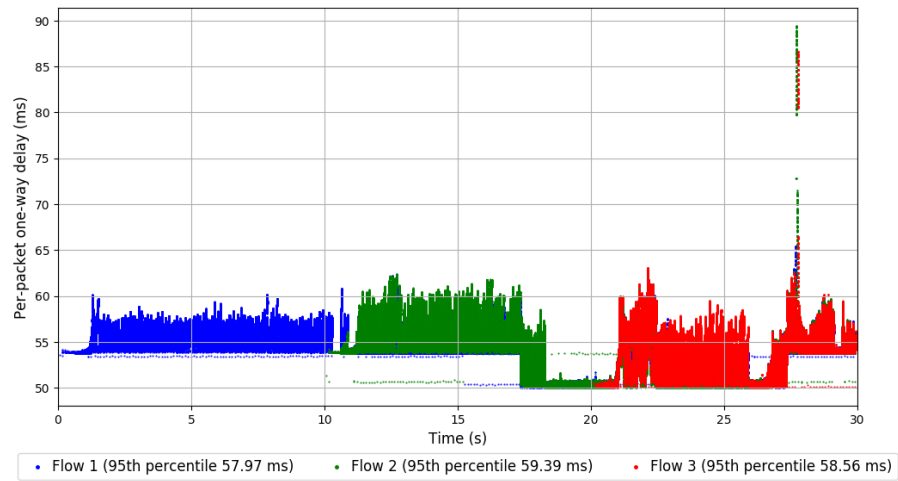
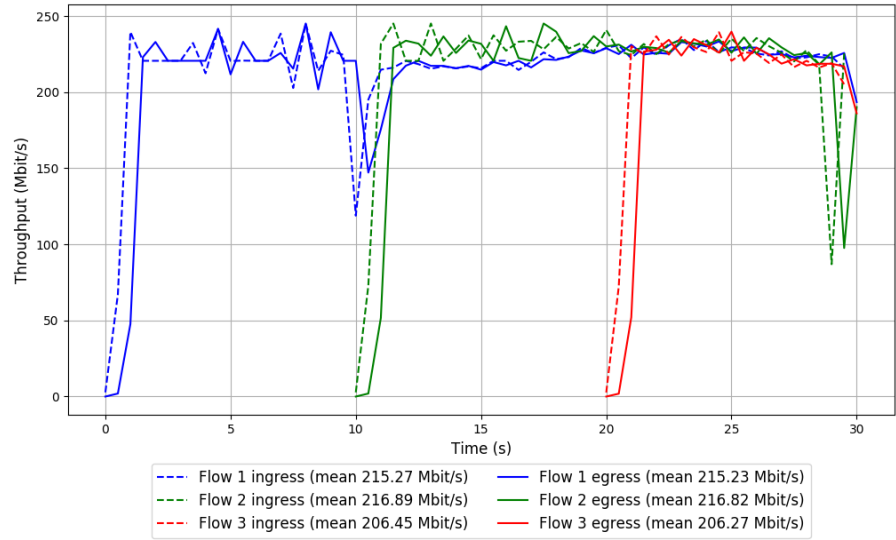


Run 9: Statistics of TCP BBR

Start at: 2018-08-04 04:02:54
End at: 2018-08-04 04:03:24
Local clock offset: 0.01 ms
Remote clock offset: -0.282 ms

Below is generated by plot.py at 2018-08-04 05:16:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 427.55 Mbit/s
95th percentile per-packet one-way delay: 58.706 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 215.23 Mbit/s
95th percentile per-packet one-way delay: 57.973 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 216.82 Mbit/s
95th percentile per-packet one-way delay: 59.387 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 206.27 Mbit/s
95th percentile per-packet one-way delay: 58.557 ms
Loss rate: 1.10%

Run 9: Report of TCP BBR — Data Link

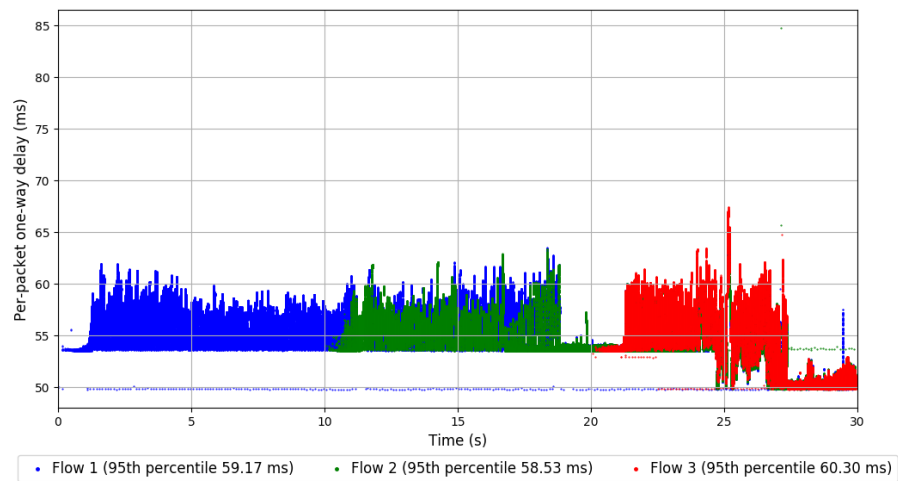
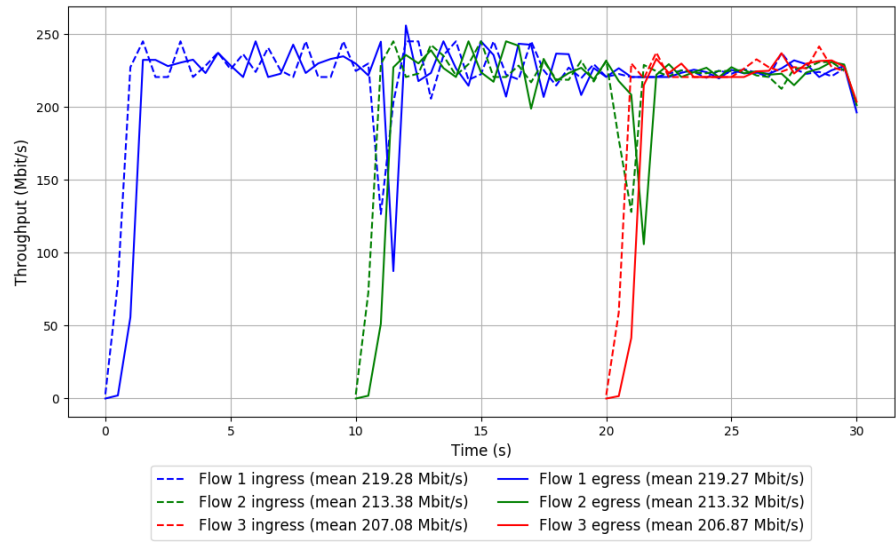


Run 10: Statistics of TCP BBR

Start at: 2018-08-04 04:28:27
End at: 2018-08-04 04:28:57
Local clock offset: -0.134 ms
Remote clock offset: -0.177 ms

Below is generated by plot.py at 2018-08-04 05:16:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 429.39 Mbit/s
95th percentile per-packet one-way delay: 59.339 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 219.27 Mbit/s
95th percentile per-packet one-way delay: 59.170 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 213.32 Mbit/s
95th percentile per-packet one-way delay: 58.531 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 206.87 Mbit/s
95th percentile per-packet one-way delay: 60.298 ms
Loss rate: 1.18%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-08-04 00:38:33

End at: 2018-08-04 00:39:03

Local clock offset: 0.006 ms

Remote clock offset: 1.139 ms

Below is generated by plot.py at 2018-08-04 05:16:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 210.71 Mbit/s

95th percentile per-packet one-way delay: 61.712 ms

Loss rate: 0.96%

-- Flow 1:

Average throughput: 80.47 Mbit/s

95th percentile per-packet one-way delay: 52.927 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 156.82 Mbit/s

95th percentile per-packet one-way delay: 66.223 ms

Loss rate: 0.60%

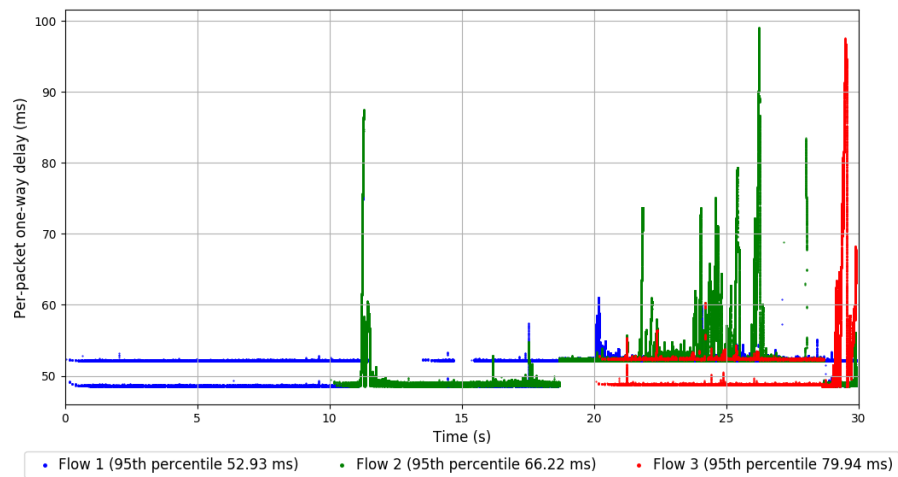
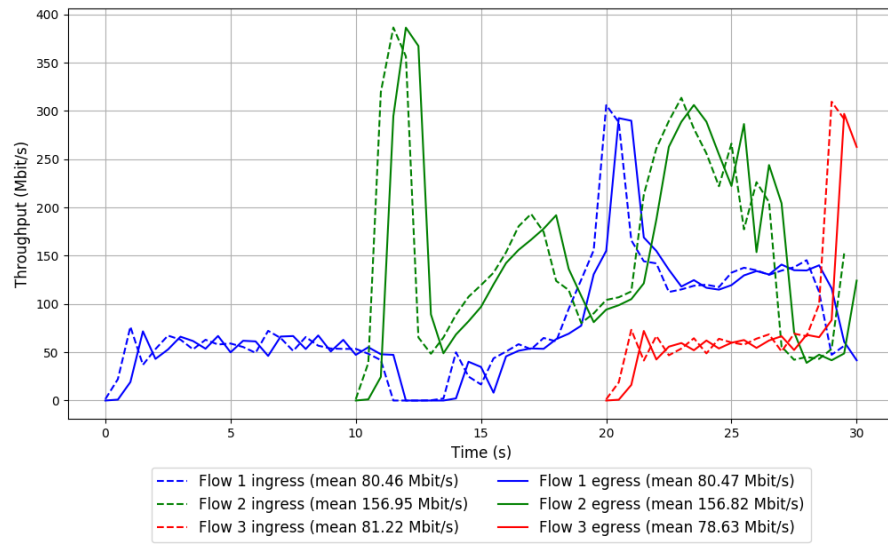
-- Flow 3:

Average throughput: 78.63 Mbit/s

95th percentile per-packet one-way delay: 79.940 ms

Loss rate: 4.20%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-08-04 01:04:05

End at: 2018-08-04 01:04:35

Local clock offset: -0.015 ms

Remote clock offset: 0.204 ms

Below is generated by plot.py at 2018-08-04 05:16:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 179.92 Mbit/s

95th percentile per-packet one-way delay: 64.508 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 72.06 Mbit/s

95th percentile per-packet one-way delay: 53.641 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 142.79 Mbit/s

95th percentile per-packet one-way delay: 68.435 ms

Loss rate: 0.26%

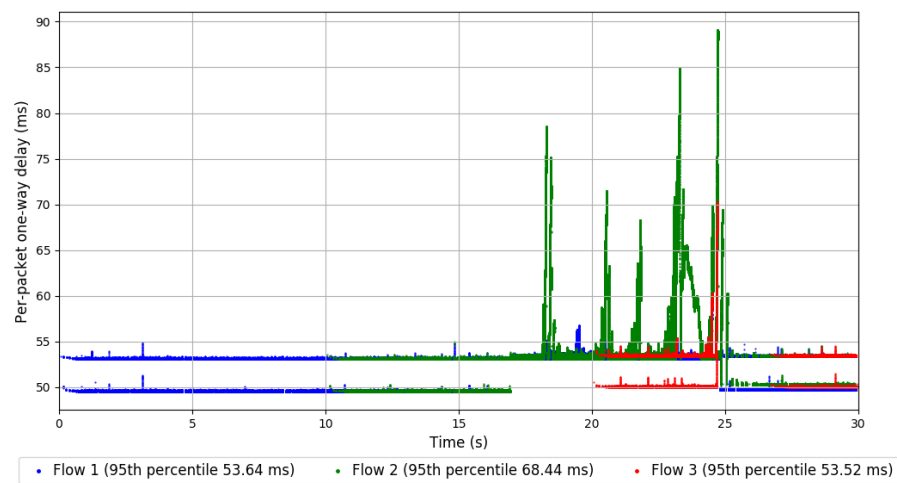
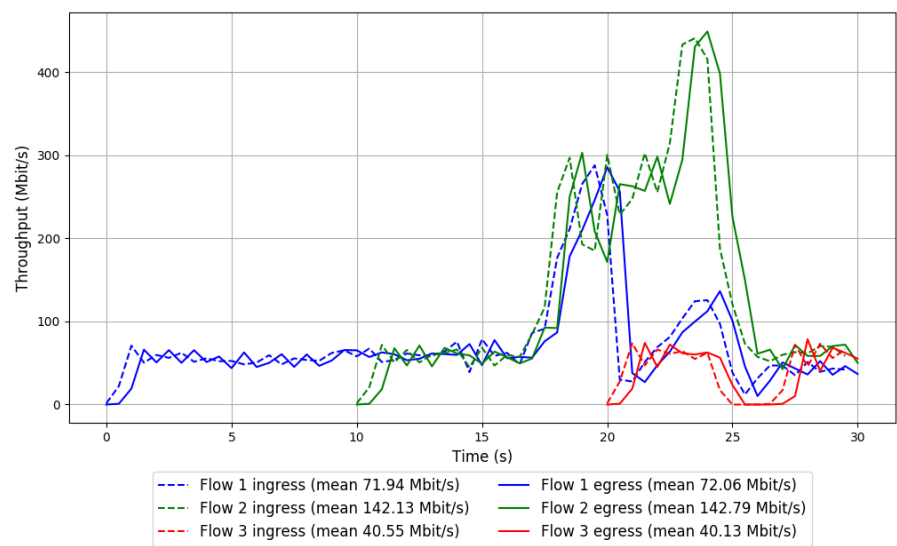
-- Flow 3:

Average throughput: 40.13 Mbit/s

95th percentile per-packet one-way delay: 53.525 ms

Loss rate: 1.96%

Run 2: Report of Copa — Data Link

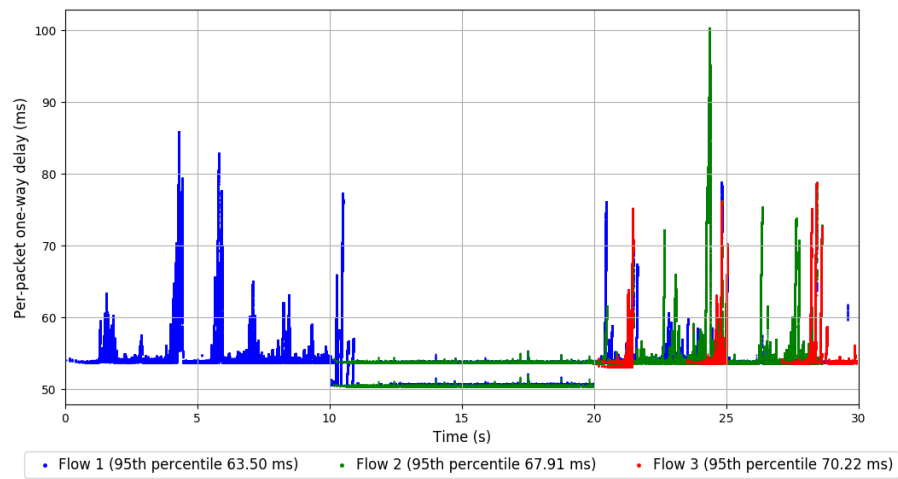
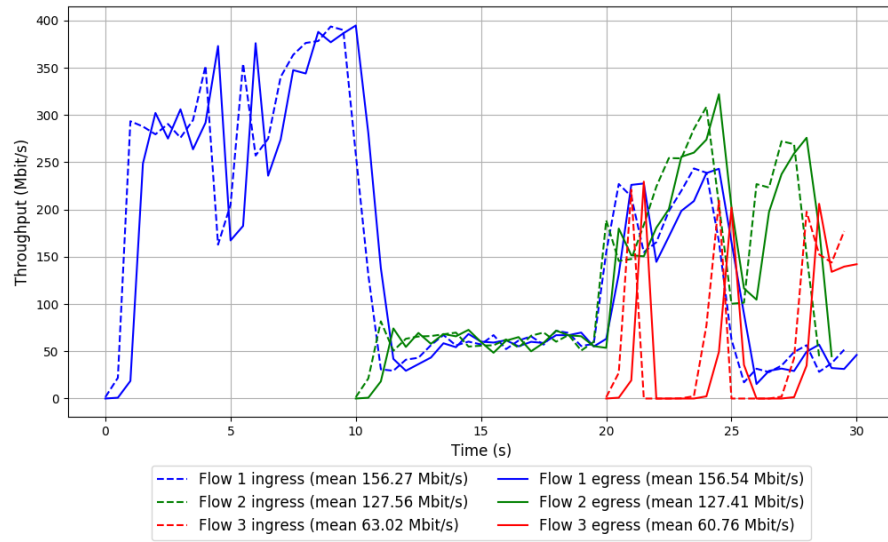


Run 3: Statistics of Copa

Start at: 2018-08-04 01:29:30
End at: 2018-08-04 01:30:00
Local clock offset: -0.074 ms
Remote clock offset: -0.447 ms

Below is generated by plot.py at 2018-08-04 05:17:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 255.80 Mbit/s
95th percentile per-packet one-way delay: 65.484 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 156.54 Mbit/s
95th percentile per-packet one-way delay: 63.499 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 127.41 Mbit/s
95th percentile per-packet one-way delay: 67.911 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 60.76 Mbit/s
95th percentile per-packet one-way delay: 70.219 ms
Loss rate: 4.60%

Run 3: Report of Copa — Data Link

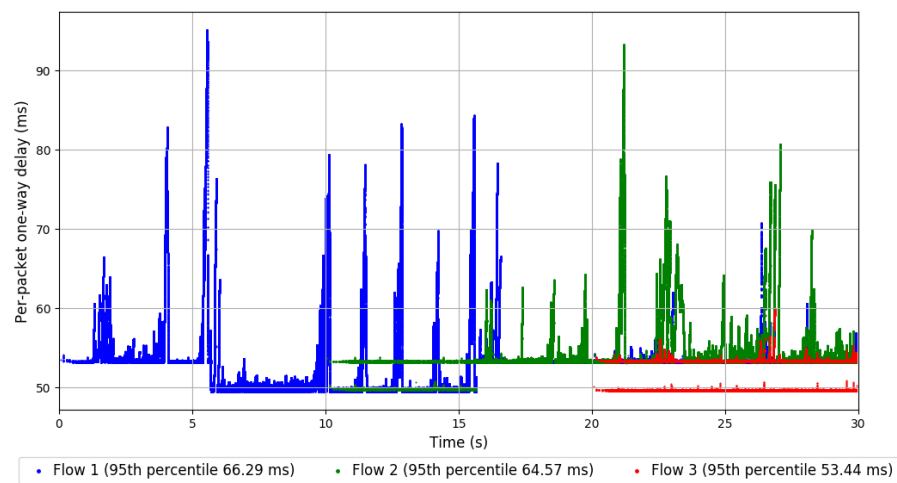
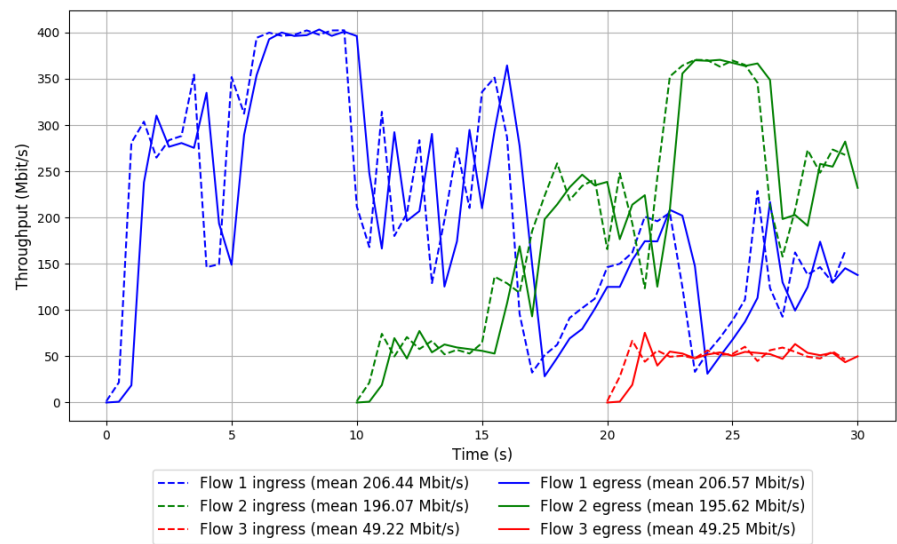


Run 4: Statistics of Copa

Start at: 2018-08-04 01:54:56
End at: 2018-08-04 01:55:26
Local clock offset: -0.162 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-08-04 05:20:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 352.90 Mbit/s
95th percentile per-packet one-way delay: 65.152 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 206.57 Mbit/s
95th percentile per-packet one-way delay: 66.293 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 195.62 Mbit/s
95th percentile per-packet one-way delay: 64.568 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 49.25 Mbit/s
95th percentile per-packet one-way delay: 53.437 ms
Loss rate: 0.87%

Run 4: Report of Copa — Data Link

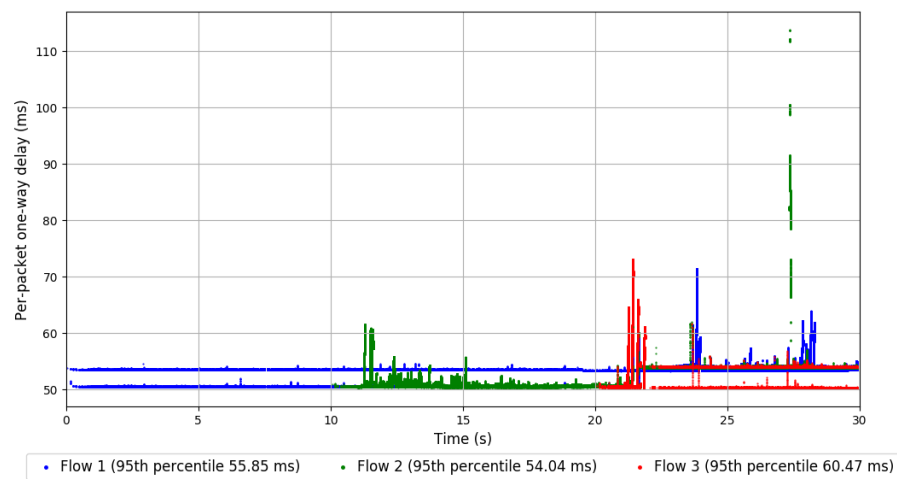
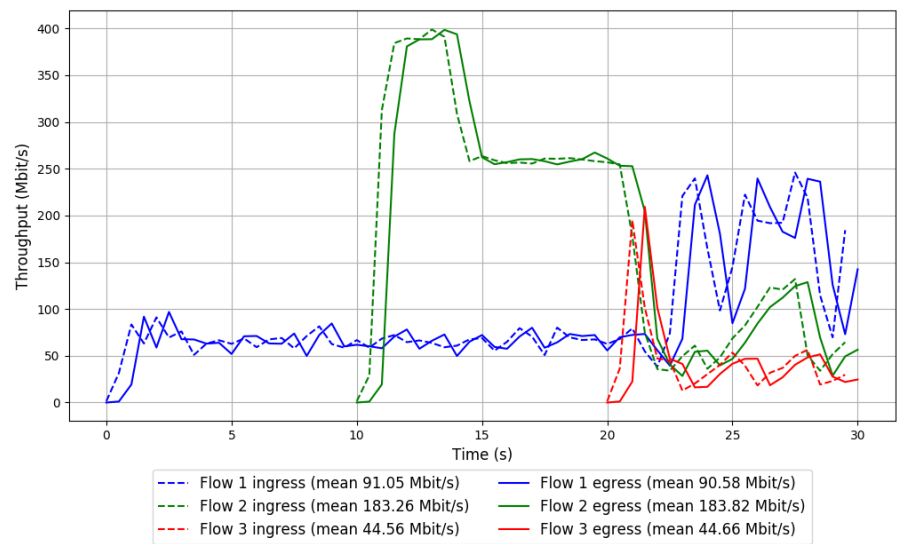


Run 5: Statistics of Copa

Start at: 2018-08-04 02:20:30
End at: 2018-08-04 02:21:00
Local clock offset: 0.043 ms
Remote clock offset: -0.543 ms

Below is generated by plot.py at 2018-08-04 05:20:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 227.41 Mbit/s
95th percentile per-packet one-way delay: 54.808 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 90.58 Mbit/s
95th percentile per-packet one-way delay: 55.855 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 183.82 Mbit/s
95th percentile per-packet one-way delay: 54.043 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 44.66 Mbit/s
95th percentile per-packet one-way delay: 60.469 ms
Loss rate: 0.83%

Run 5: Report of Copa — Data Link

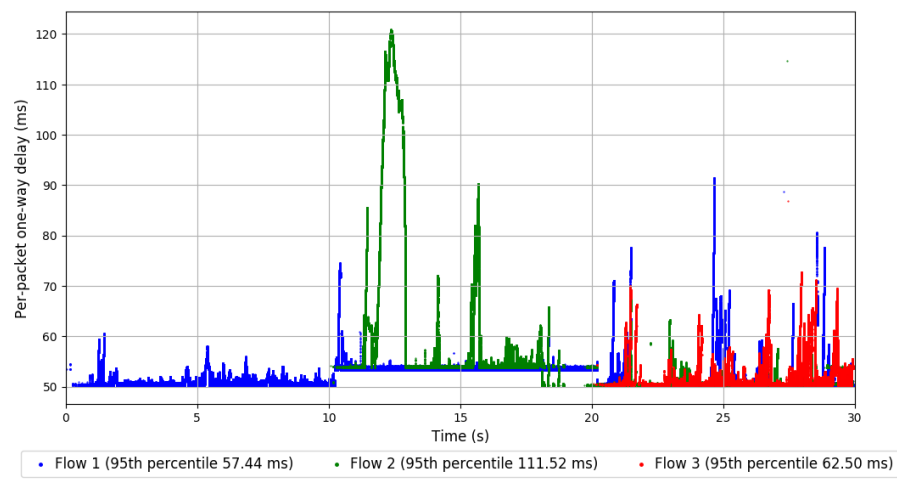
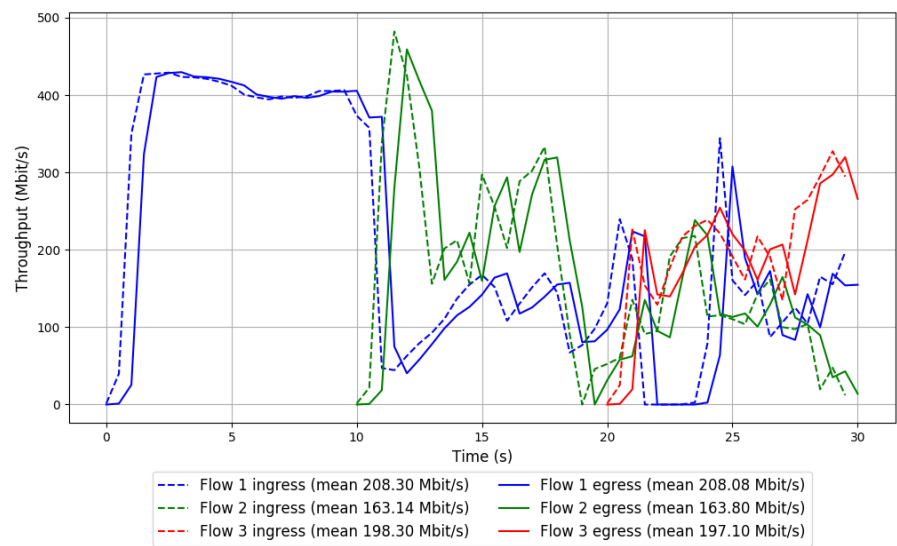


Run 6: Statistics of Copa

Start at: 2018-08-04 02:45:42
End at: 2018-08-04 02:46:12
Local clock offset: 0.128 ms
Remote clock offset: -0.372 ms

Below is generated by plot.py at 2018-08-04 05:21:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 382.04 Mbit/s
95th percentile per-packet one-way delay: 71.064 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 208.08 Mbit/s
95th percentile per-packet one-way delay: 57.443 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 163.80 Mbit/s
95th percentile per-packet one-way delay: 111.524 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 197.10 Mbit/s
95th percentile per-packet one-way delay: 62.497 ms
Loss rate: 1.62%

Run 6: Report of Copa — Data Link

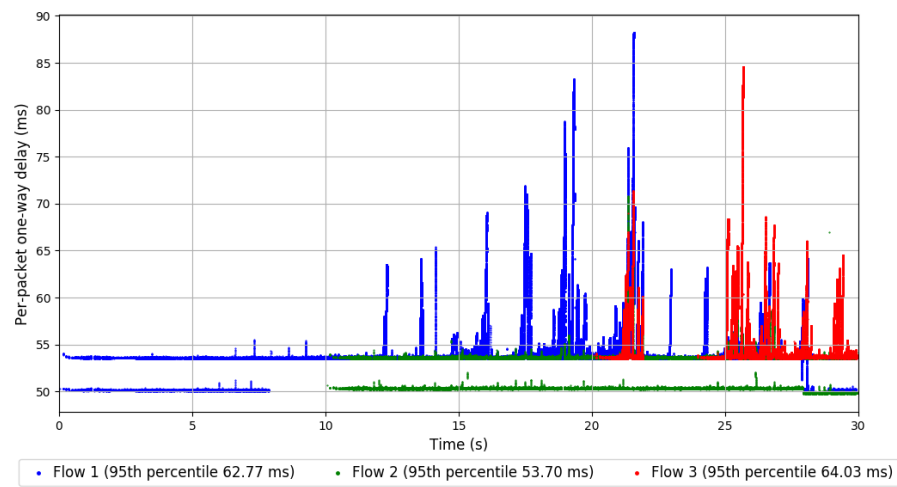
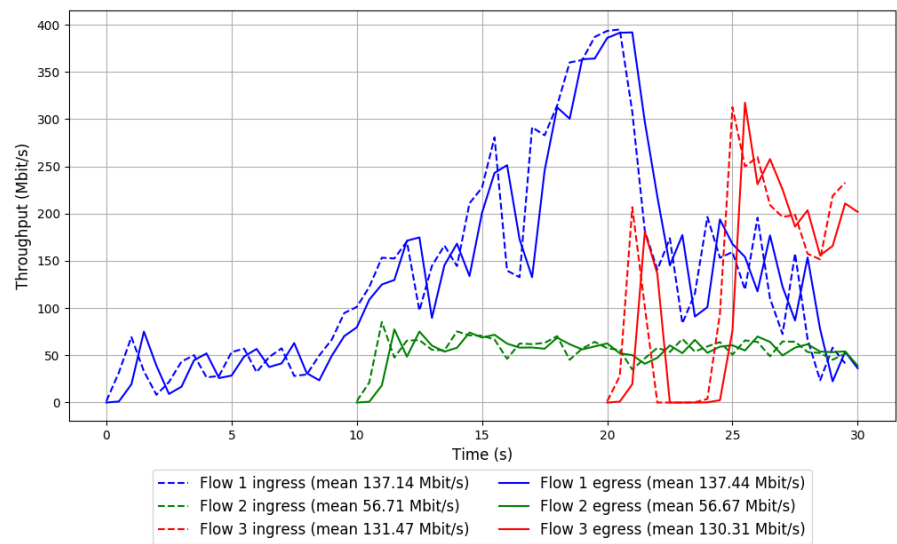


Run 7: Statistics of Copa

Start at: 2018-08-04 03:11:12
End at: 2018-08-04 03:11:42
Local clock offset: 0.086 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-08-04 05:21:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 218.10 Mbit/s
95th percentile per-packet one-way delay: 62.288 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 137.44 Mbit/s
95th percentile per-packet one-way delay: 62.772 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 56.67 Mbit/s
95th percentile per-packet one-way delay: 53.696 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 130.31 Mbit/s
95th percentile per-packet one-way delay: 64.029 ms
Loss rate: 1.92%

Run 7: Report of Copa — Data Link

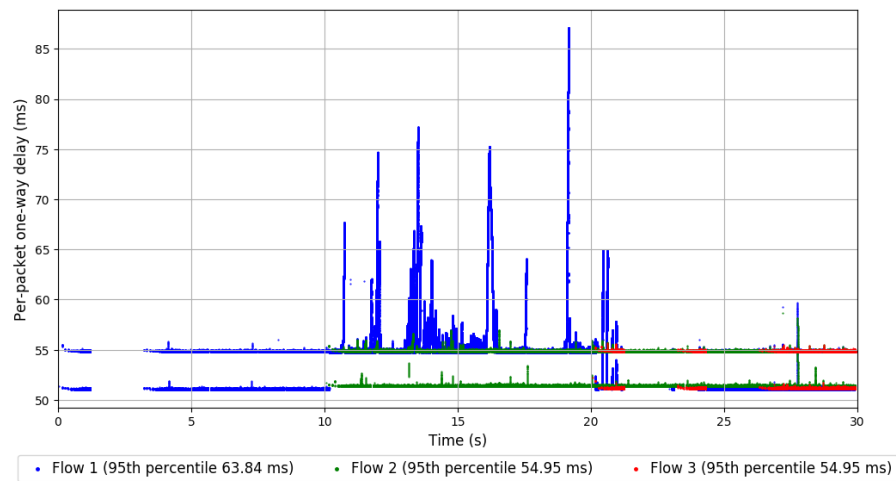
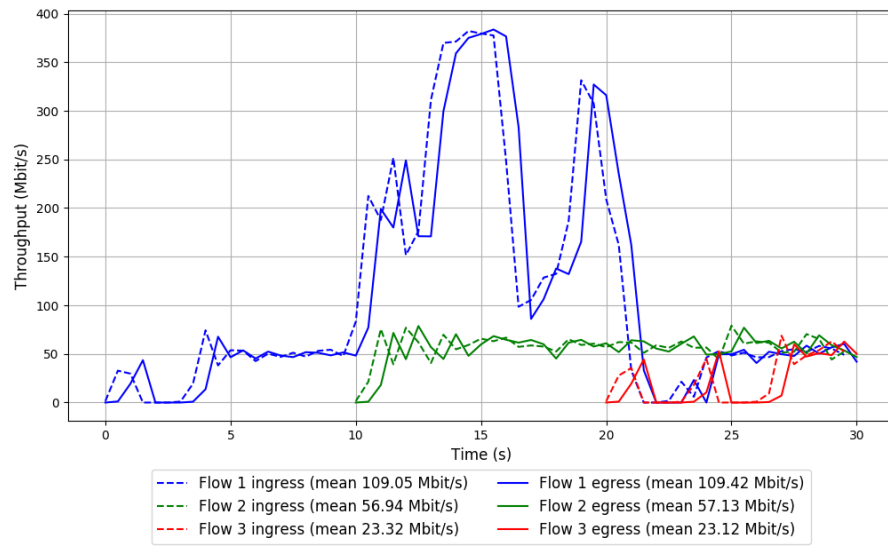


Run 8: Statistics of Copa

Start at: 2018-08-04 03:36:39
End at: 2018-08-04 03:37:09
Local clock offset: -0.102 ms
Remote clock offset: -1.528 ms

Below is generated by plot.py at 2018-08-04 05:21:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 154.87 Mbit/s
95th percentile per-packet one-way delay: 61.619 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 109.42 Mbit/s
95th percentile per-packet one-way delay: 63.839 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 57.13 Mbit/s
95th percentile per-packet one-way delay: 54.950 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 23.12 Mbit/s
95th percentile per-packet one-way delay: 54.948 ms
Loss rate: 1.91%

Run 8: Report of Copa — Data Link

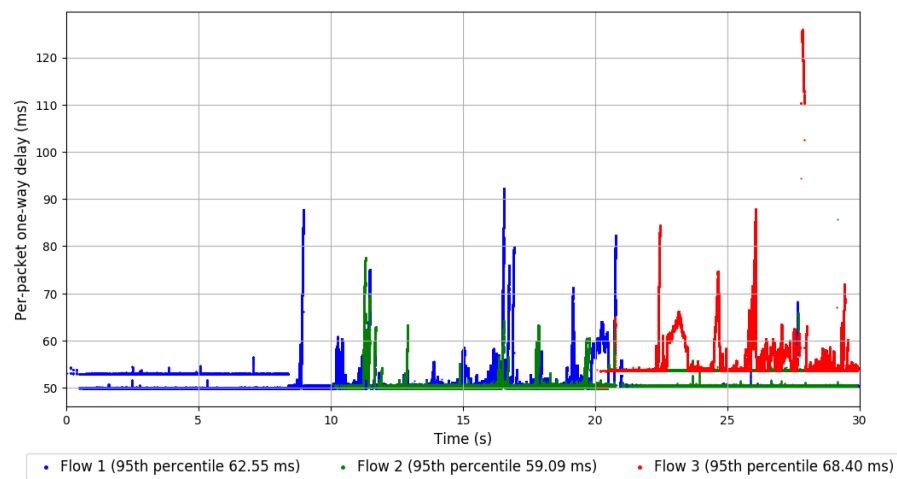
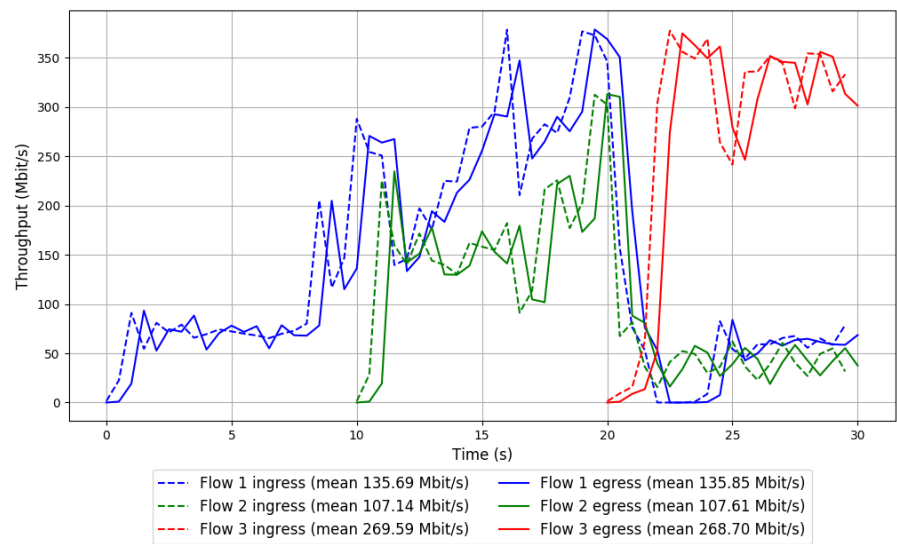


Run 9: Statistics of Copa

Start at: 2018-08-04 04:01:21
End at: 2018-08-04 04:01:51
Local clock offset: -0.012 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2018-08-04 05:25:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 295.98 Mbit/s
95th percentile per-packet one-way delay: 63.803 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 135.85 Mbit/s
95th percentile per-packet one-way delay: 62.548 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 107.61 Mbit/s
95th percentile per-packet one-way delay: 59.092 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 268.70 Mbit/s
95th percentile per-packet one-way delay: 68.399 ms
Loss rate: 1.38%

Run 9: Report of Copa — Data Link

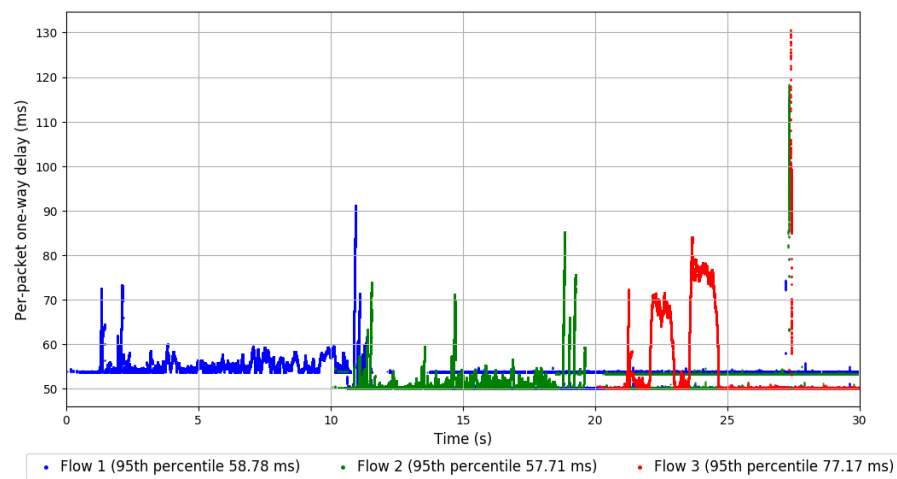
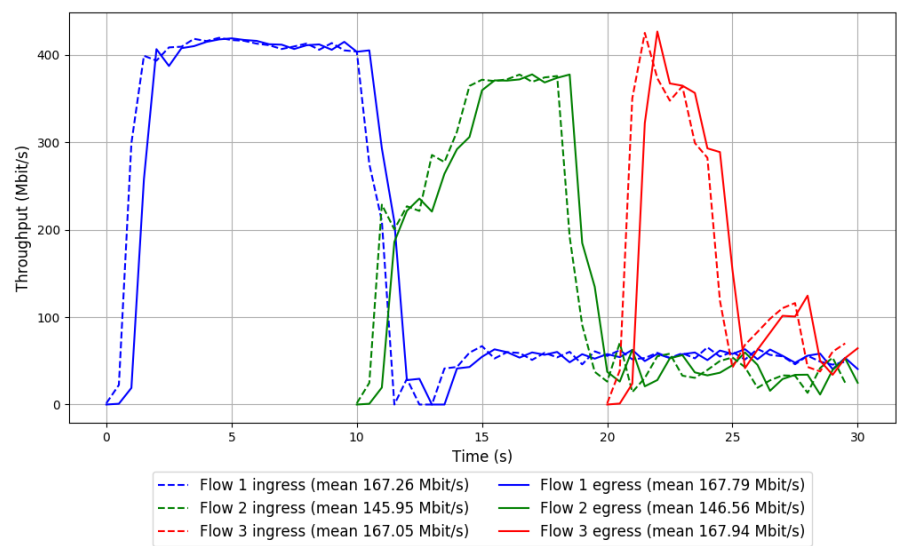


Run 10: Statistics of Copa

Start at: 2018-08-04 04:26:51
End at: 2018-08-04 04:27:21
Local clock offset: 0.125 ms
Remote clock offset: -0.222 ms

Below is generated by plot.py at 2018-08-04 05:26:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 320.55 Mbit/s
95th percentile per-packet one-way delay: 69.195 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 167.79 Mbit/s
95th percentile per-packet one-way delay: 58.785 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 146.56 Mbit/s
95th percentile per-packet one-way delay: 57.708 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 167.94 Mbit/s
95th percentile per-packet one-way delay: 77.174 ms
Loss rate: 0.51%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-08-04 00:41:28

End at: 2018-08-04 00:41:58

Local clock offset: -0.013 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-08-04 05:26:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 304.84 Mbit/s

95th percentile per-packet one-way delay: 58.625 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 226.04 Mbit/s

95th percentile per-packet one-way delay: 58.820 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 52.69 Mbit/s

95th percentile per-packet one-way delay: 53.498 ms

Loss rate: 2.05%

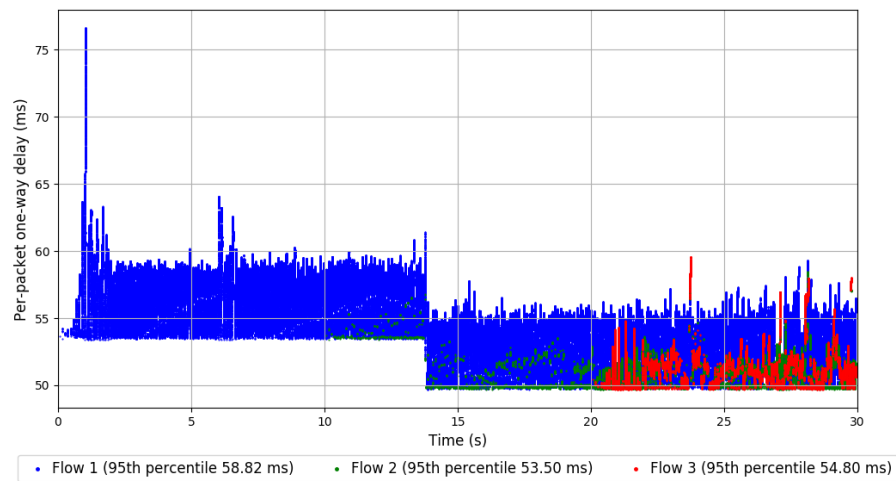
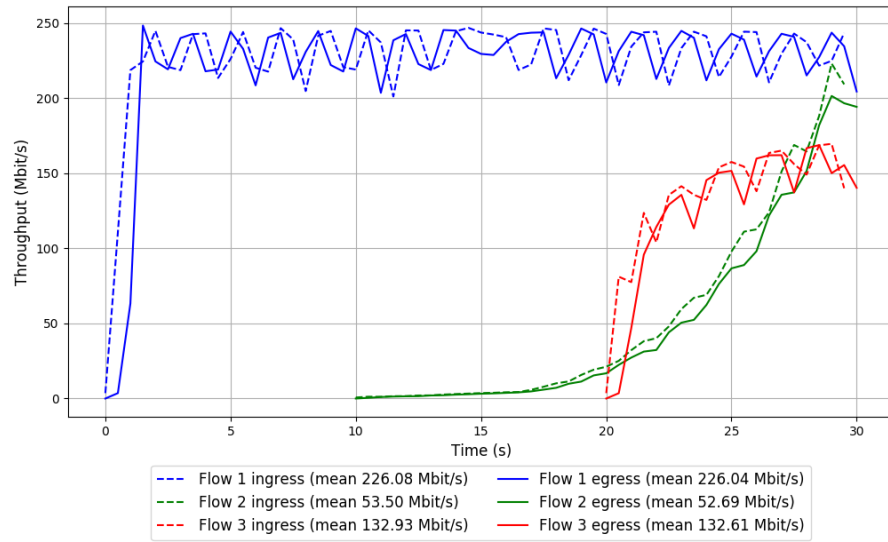
-- Flow 3:

Average throughput: 132.61 Mbit/s

95th percentile per-packet one-way delay: 54.802 ms

Loss rate: 1.25%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-08-04 01:06:57

End at: 2018-08-04 01:07:27

Local clock offset: 0.043 ms

Remote clock offset: 1.241 ms

Below is generated by plot.py at 2018-08-04 05:26:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 355.67 Mbit/s

95th percentile per-packet one-way delay: 57.582 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 215.80 Mbit/s

95th percentile per-packet one-way delay: 57.989 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 207.92 Mbit/s

95th percentile per-packet one-way delay: 55.392 ms

Loss rate: 0.34%

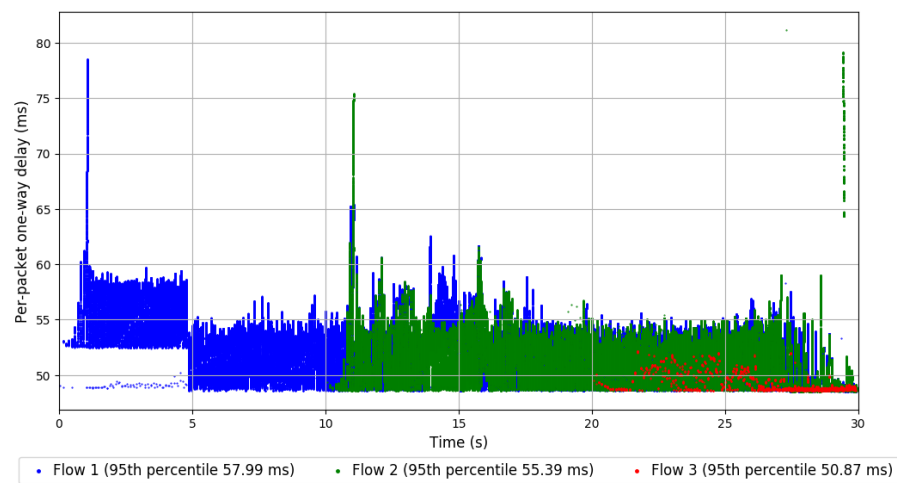
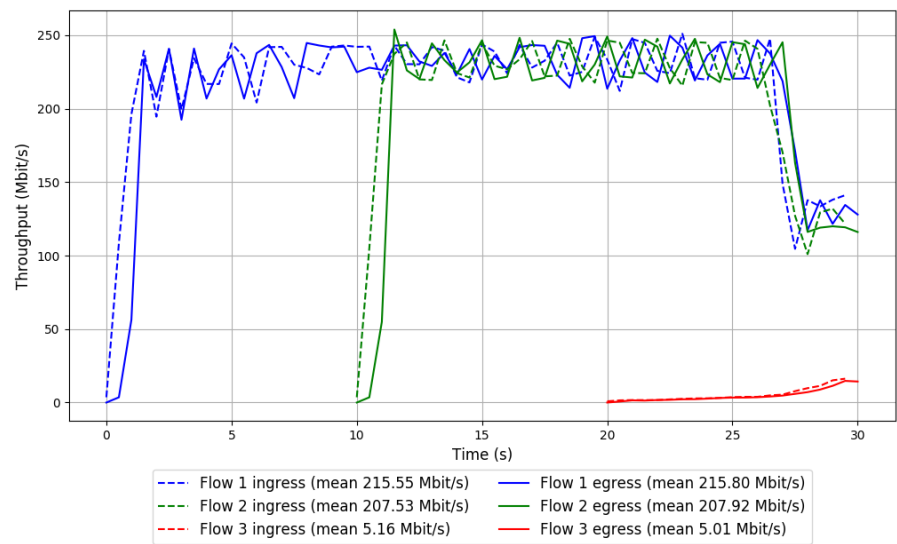
-- Flow 3:

Average throughput: 5.01 Mbit/s

95th percentile per-packet one-way delay: 50.871 ms

Loss rate: 3.97%

Run 2: Report of TCP Cubic — Data Link

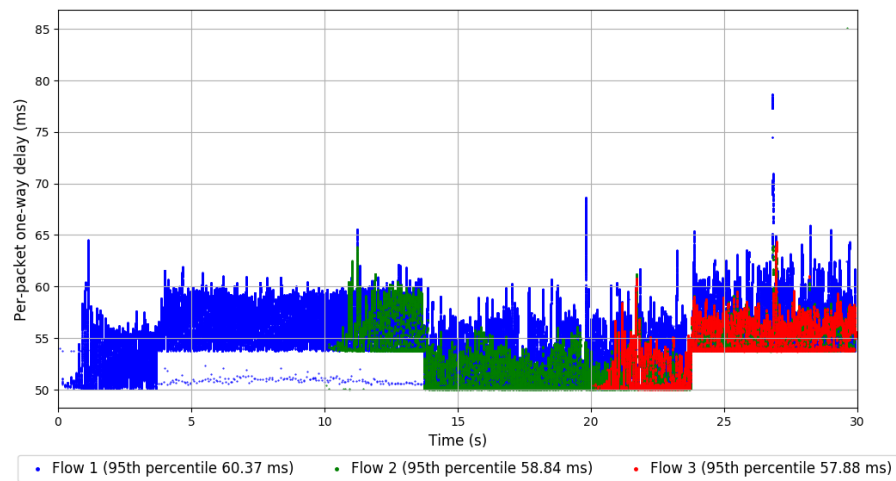
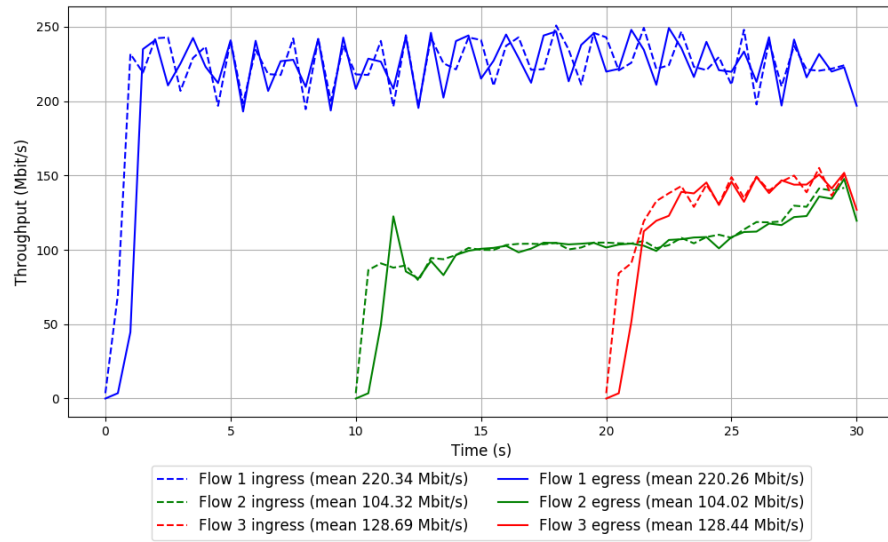


Run 3: Statistics of TCP Cubic

Start at: 2018-08-04 01:32:28
End at: 2018-08-04 01:32:58
Local clock offset: 0.003 ms
Remote clock offset: -0.382 ms

Below is generated by plot.py at 2018-08-04 05:26:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 331.68 Mbit/s
95th percentile per-packet one-way delay: 59.999 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 220.26 Mbit/s
95th percentile per-packet one-way delay: 60.367 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 104.02 Mbit/s
95th percentile per-packet one-way delay: 58.837 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 128.44 Mbit/s
95th percentile per-packet one-way delay: 57.881 ms
Loss rate: 1.24%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-08-04 01:58:03

End at: 2018-08-04 01:58:33

Local clock offset: 0.009 ms

Remote clock offset: -0.16 ms

Below is generated by plot.py at 2018-08-04 05:26:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 332.72 Mbit/s

95th percentile per-packet one-way delay: 58.986 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 214.87 Mbit/s

95th percentile per-packet one-way delay: 59.332 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 124.91 Mbit/s

95th percentile per-packet one-way delay: 55.336 ms

Loss rate: 0.71%

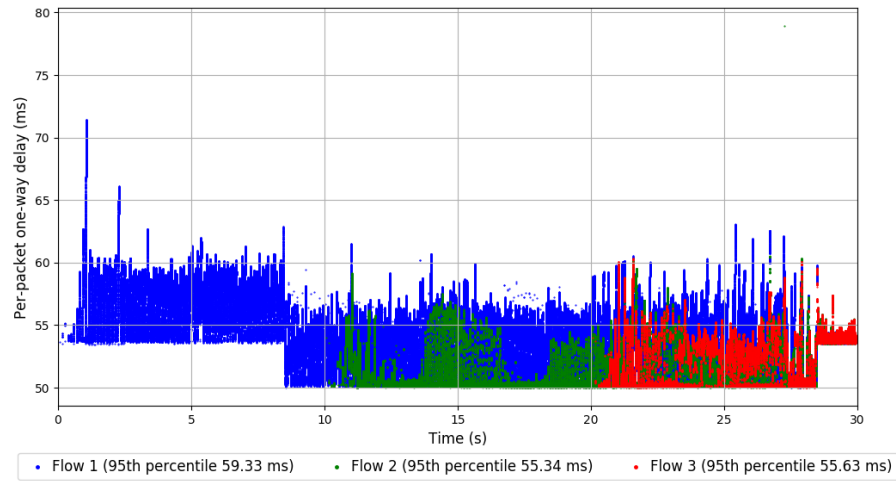
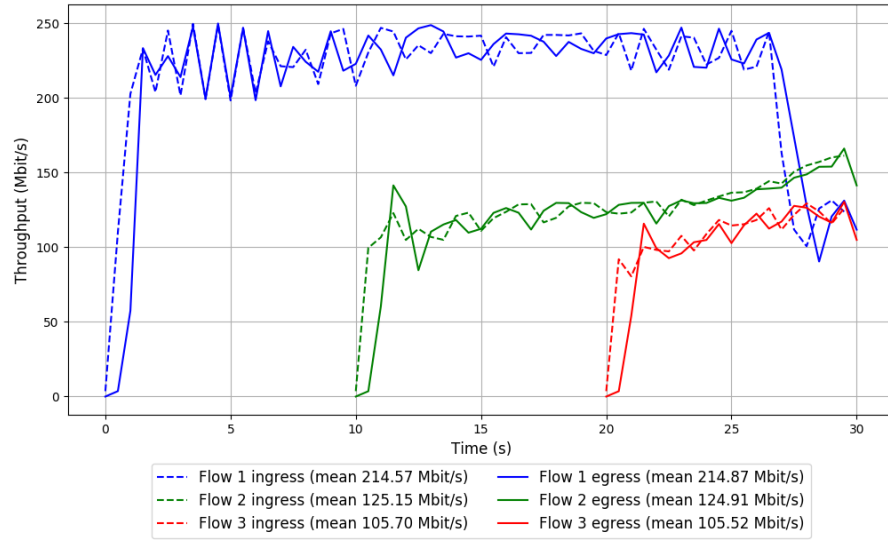
-- Flow 3:

Average throughput: 105.52 Mbit/s

95th percentile per-packet one-way delay: 55.630 ms

Loss rate: 1.25%

Run 4: Report of TCP Cubic — Data Link

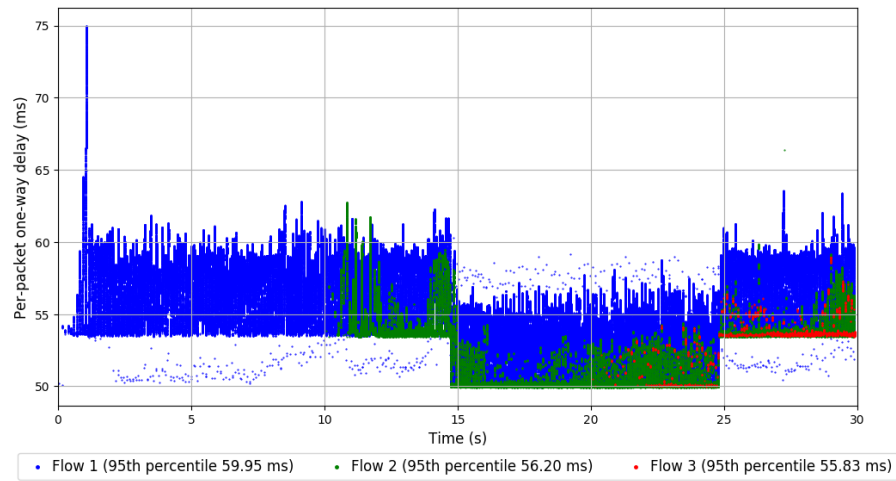
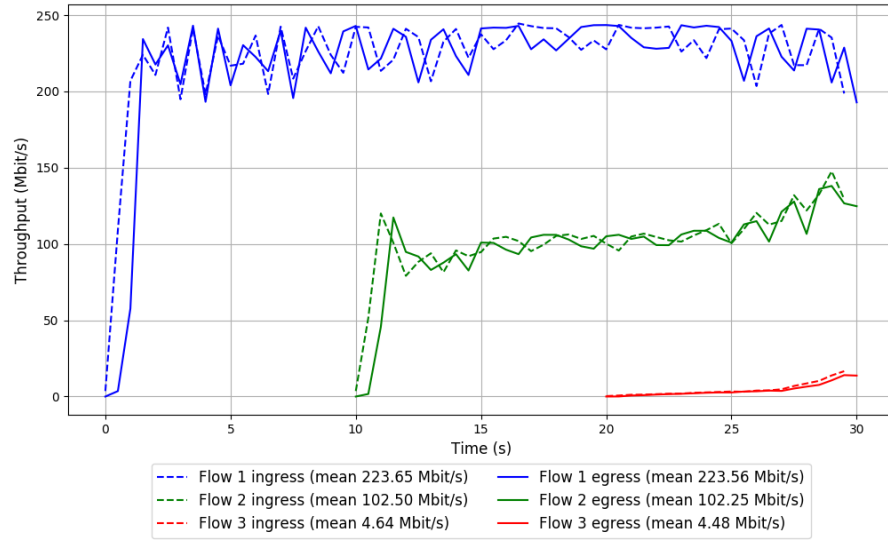


Run 5: Statistics of TCP Cubic

Start at: 2018-08-04 02:23:27
End at: 2018-08-04 02:23:57
Local clock offset: -0.159 ms
Remote clock offset: -0.245 ms

Below is generated by plot.py at 2018-08-04 05:26:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 292.70 Mbit/s
95th percentile per-packet one-way delay: 59.730 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 223.56 Mbit/s
95th percentile per-packet one-way delay: 59.947 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 102.25 Mbit/s
95th percentile per-packet one-way delay: 56.204 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 55.825 ms
Loss rate: 4.42%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-08-04 02:48:52

End at: 2018-08-04 02:49:22

Local clock offset: 0.051 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-08-04 05:27:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 332.64 Mbit/s

95th percentile per-packet one-way delay: 60.191 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 224.57 Mbit/s

95th percentile per-packet one-way delay: 60.797 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 105.30 Mbit/s

95th percentile per-packet one-way delay: 54.016 ms

Loss rate: 0.77%

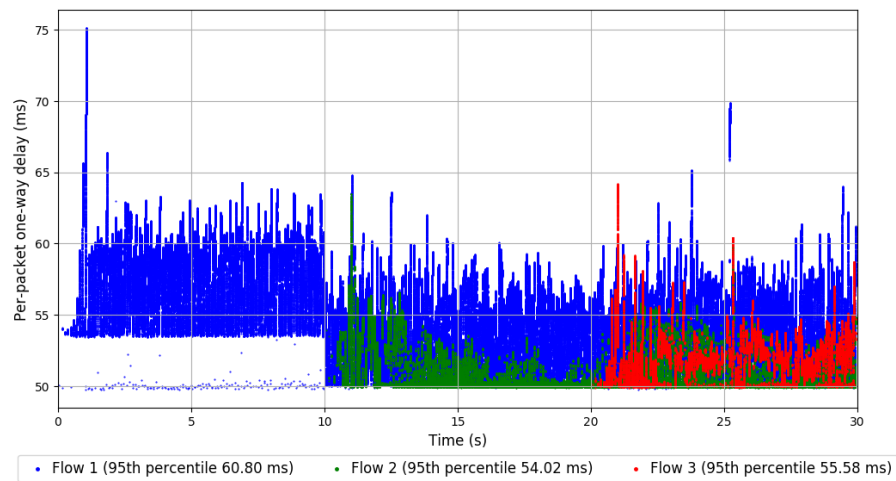
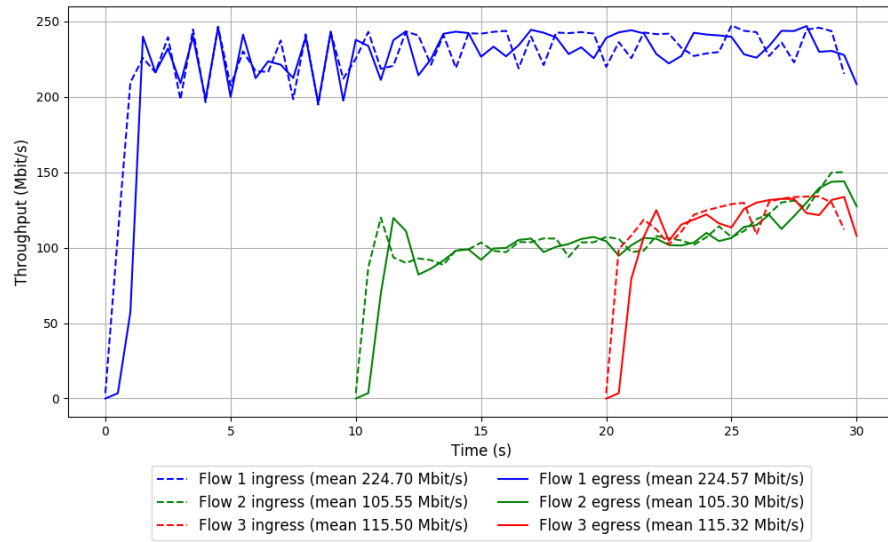
-- Flow 3:

Average throughput: 115.32 Mbit/s

95th percentile per-packet one-way delay: 55.580 ms

Loss rate: 1.16%

Run 6: Report of TCP Cubic — Data Link

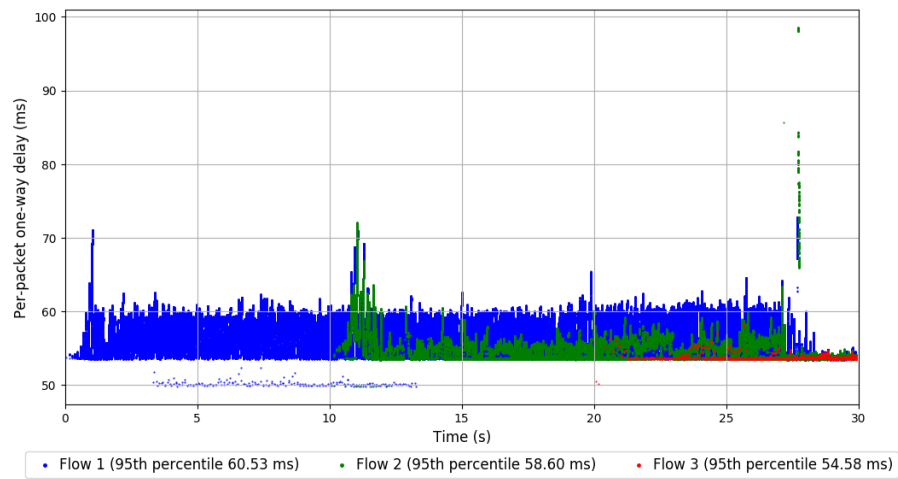
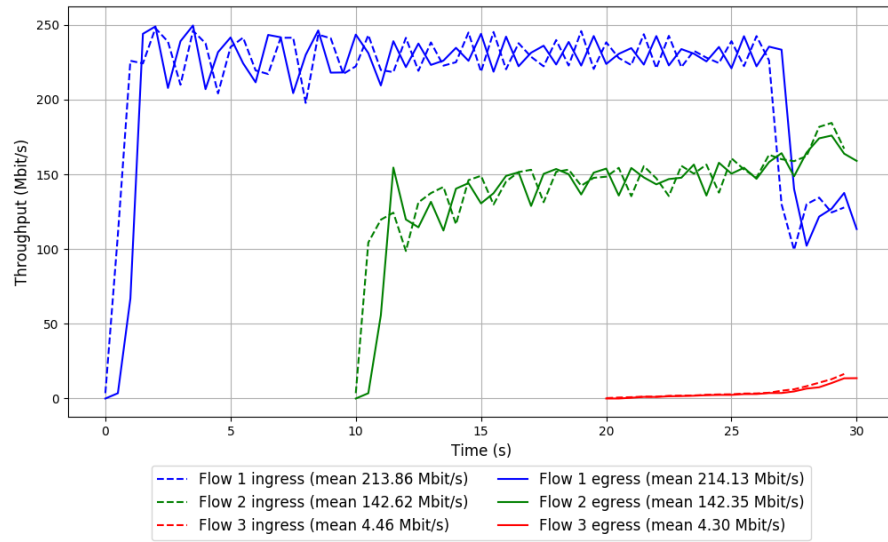


Run 7: Statistics of TCP Cubic

Start at: 2018-08-04 03:14:06
End at: 2018-08-04 03:14:36
Local clock offset: 0.075 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-08-04 05:27:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 310.18 Mbit/s
95th percentile per-packet one-way delay: 60.396 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 214.13 Mbit/s
95th percentile per-packet one-way delay: 60.526 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 142.35 Mbit/s
95th percentile per-packet one-way delay: 58.596 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 54.580 ms
Loss rate: 4.54%

Run 7: Report of TCP Cubic — Data Link

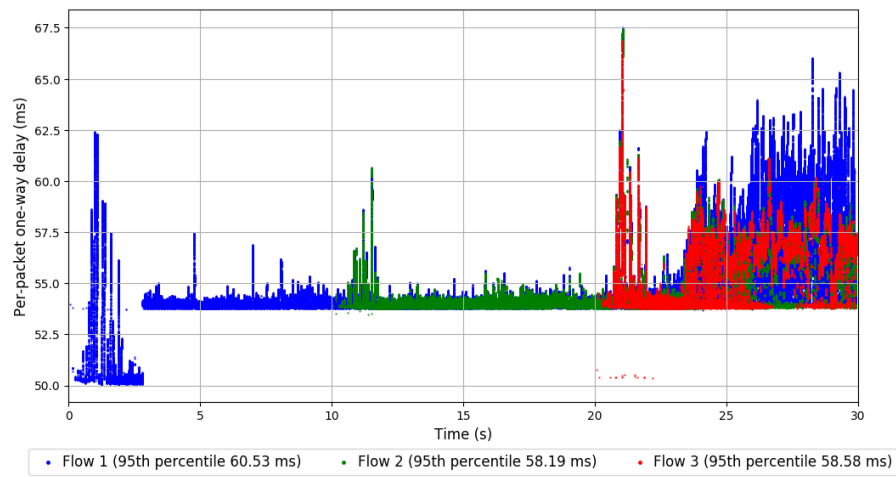
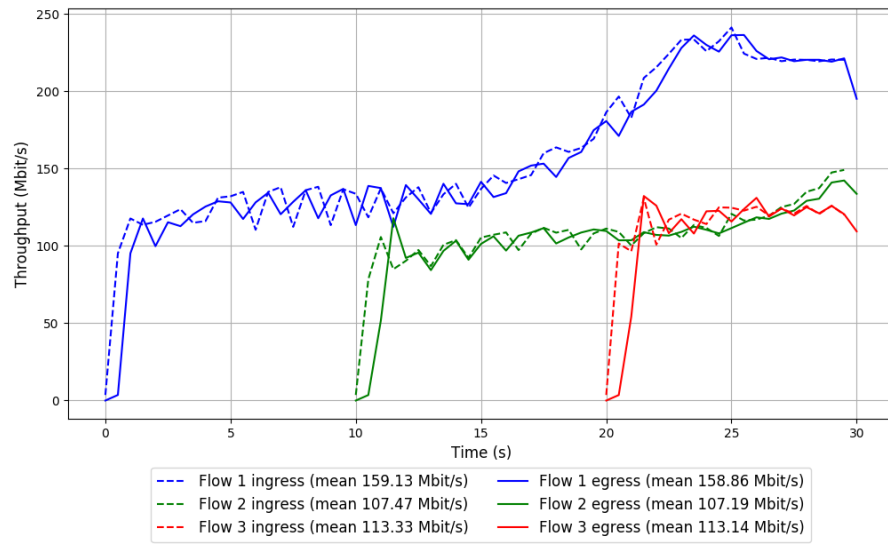


Run 8: Statistics of TCP Cubic

Start at: 2018-08-04 03:39:29
End at: 2018-08-04 03:39:59
Local clock offset: 0.145 ms
Remote clock offset: -0.209 ms

Below is generated by plot.py at 2018-08-04 05:28:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 267.41 Mbit/s
95th percentile per-packet one-way delay: 59.739 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 158.86 Mbit/s
95th percentile per-packet one-way delay: 60.534 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 107.19 Mbit/s
95th percentile per-packet one-way delay: 58.185 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 113.14 Mbit/s
95th percentile per-packet one-way delay: 58.580 ms
Loss rate: 1.21%

Run 8: Report of TCP Cubic — Data Link

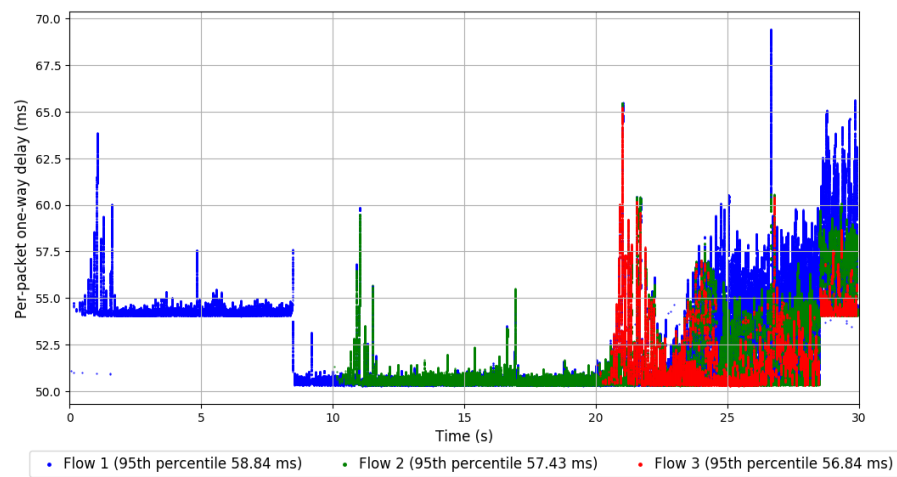
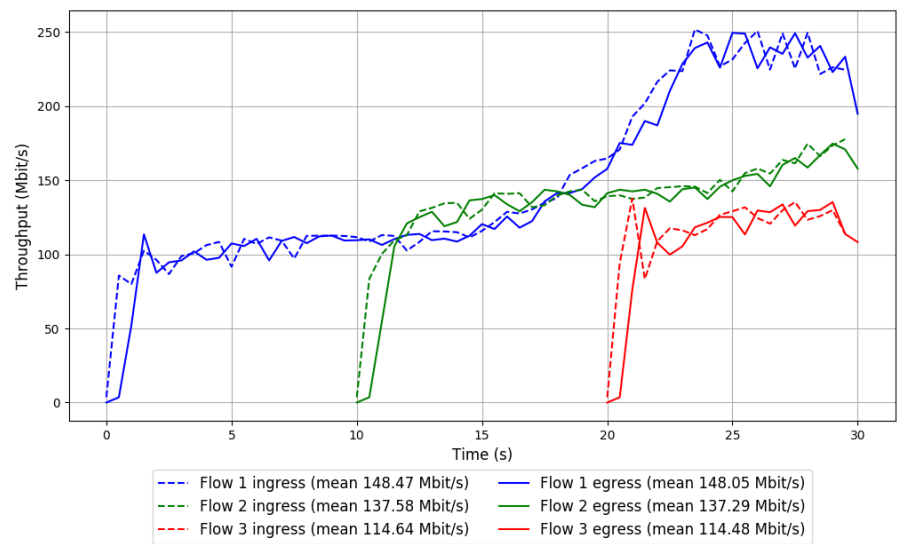


Run 9: Statistics of TCP Cubic

Start at: 2018-08-04 04:04:23
End at: 2018-08-04 04:04:53
Local clock offset: 0.07 ms
Remote clock offset: -0.495 ms

Below is generated by plot.py at 2018-08-04 05:29:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 277.07 Mbit/s
95th percentile per-packet one-way delay: 57.998 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 148.05 Mbit/s
95th percentile per-packet one-way delay: 58.835 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 137.29 Mbit/s
95th percentile per-packet one-way delay: 57.431 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 114.48 Mbit/s
95th percentile per-packet one-way delay: 56.835 ms
Loss rate: 1.19%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-04 04:29:57

End at: 2018-08-04 04:30:27

Local clock offset: 0.114 ms

Remote clock offset: 1.222 ms

Below is generated by plot.py at 2018-08-04 05:29:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 210.85 Mbit/s

95th percentile per-packet one-way delay: 53.043 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 134.70 Mbit/s

95th percentile per-packet one-way delay: 54.194 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 112.09 Mbit/s

95th percentile per-packet one-way delay: 51.313 ms

Loss rate: 0.77%

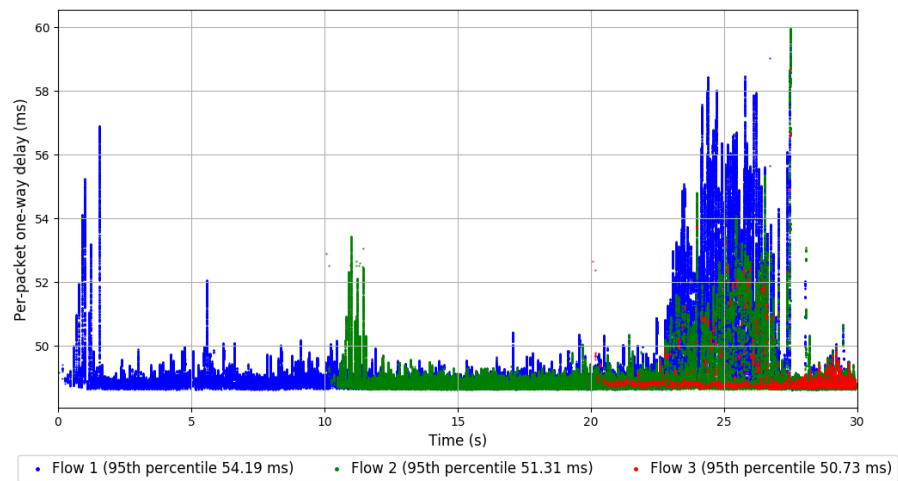
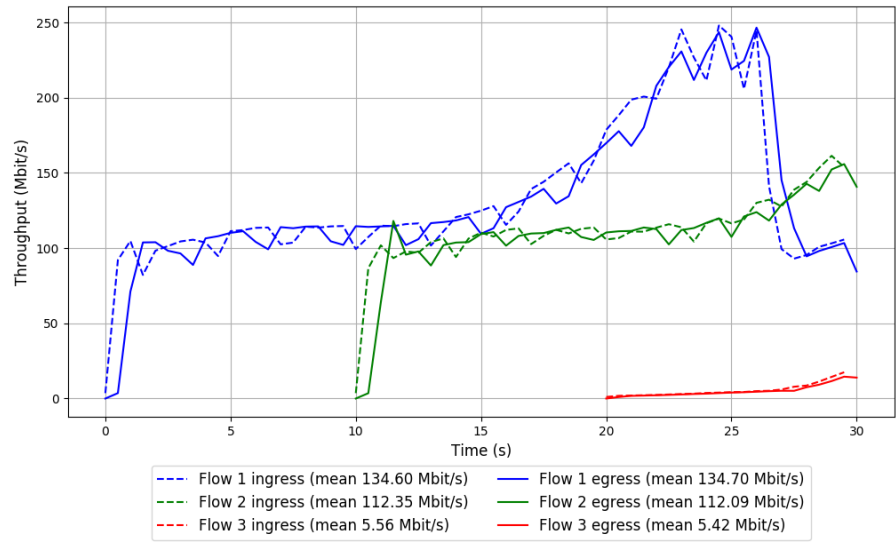
-- Flow 3:

Average throughput: 5.42 Mbit/s

95th percentile per-packet one-way delay: 50.725 ms

Loss rate: 3.52%

Run 10: Report of TCP Cubic — Data Link

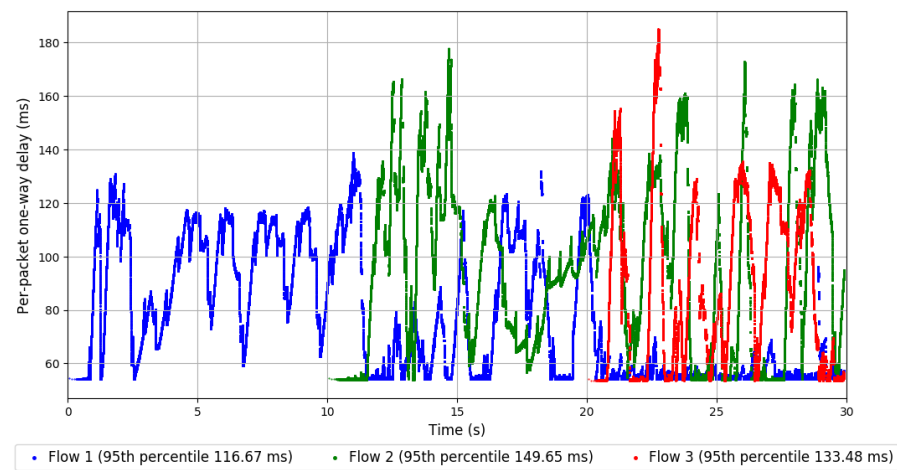
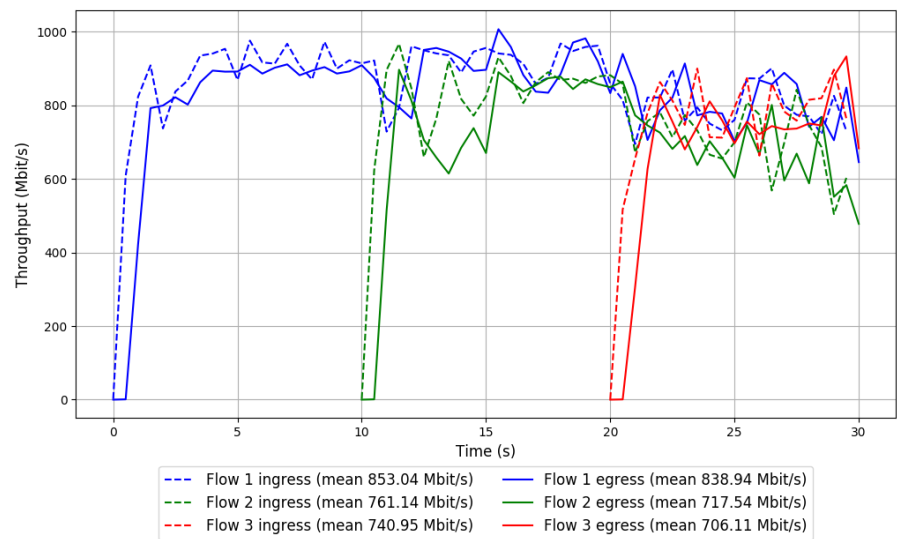


Run 1: Statistics of FillP

Start at: 2018-08-04 00:53:13
End at: 2018-08-04 00:53:43
Local clock offset: 0.065 ms
Remote clock offset: -0.524 ms

Below is generated by plot.py at 2018-08-04 05:56:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 1548.59 Mbit/s
95th percentile per-packet one-way delay: 131.306 ms
Loss rate: 3.90%
-- Flow 1:
Average throughput: 838.94 Mbit/s
95th percentile per-packet one-way delay: 116.667 ms
Loss rate: 2.00%
-- Flow 2:
Average throughput: 717.54 Mbit/s
95th percentile per-packet one-way delay: 149.652 ms
Loss rate: 6.23%
-- Flow 3:
Average throughput: 706.11 Mbit/s
95th percentile per-packet one-way delay: 133.484 ms
Loss rate: 5.70%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-08-04 01:18:38

End at: 2018-08-04 01:19:08

Local clock offset: 0.045 ms

Remote clock offset: 0.237 ms

Below is generated by plot.py at 2018-08-04 05:57:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 1625.56 Mbit/s

95th percentile per-packet one-way delay: 77.626 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 861.18 Mbit/s

95th percentile per-packet one-way delay: 66.169 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 824.38 Mbit/s

95th percentile per-packet one-way delay: 66.356 ms

Loss rate: 0.43%

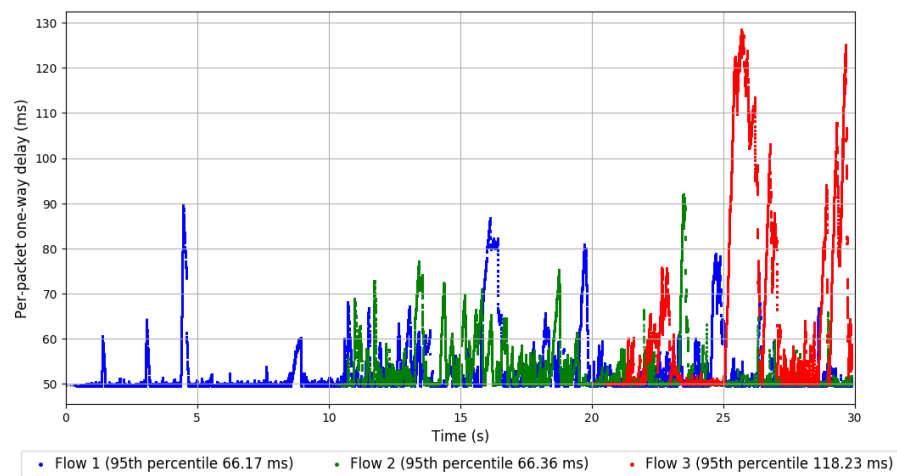
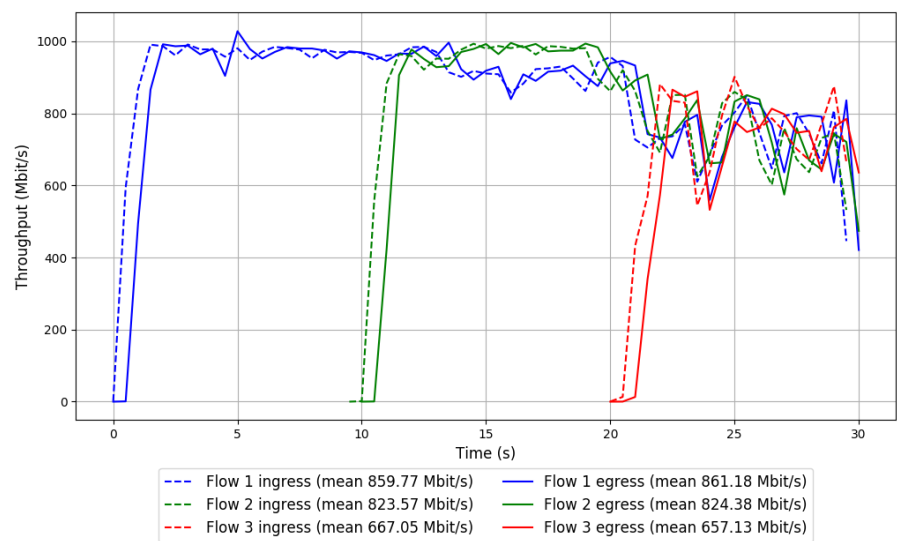
-- Flow 3:

Average throughput: 657.13 Mbit/s

95th percentile per-packet one-way delay: 118.232 ms

Loss rate: 2.52%

Run 2: Report of FillP — Data Link

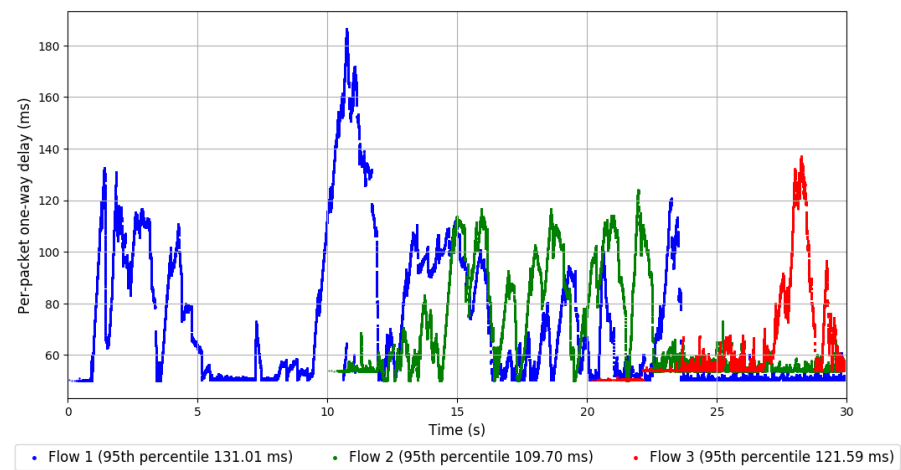
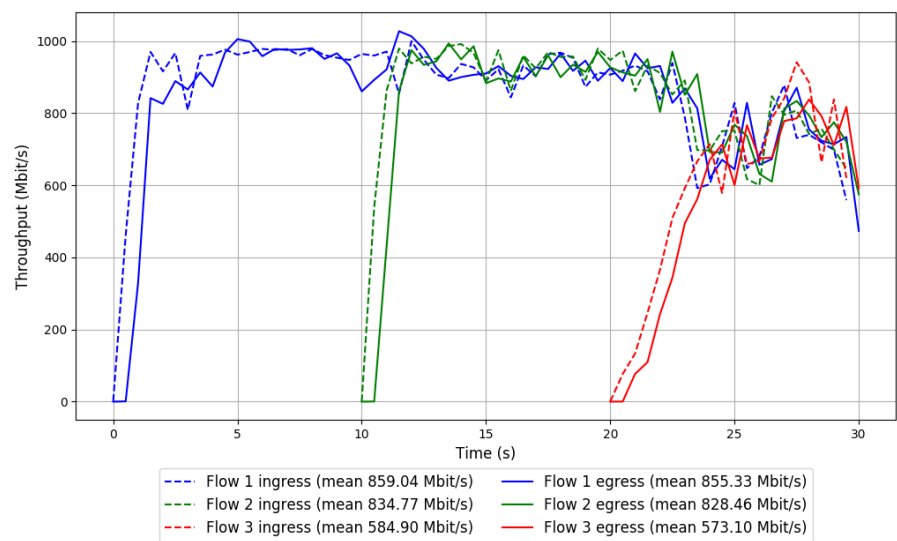


Run 3: Statistics of FillP

Start at: 2018-08-04 01:44:17
End at: 2018-08-04 01:44:47
Local clock offset: 0.099 ms
Remote clock offset: -0.254 ms

Below is generated by plot.py at 2018-08-04 05:57:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 1594.43 Mbit/s
95th percentile per-packet one-way delay: 115.097 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 855.33 Mbit/s
95th percentile per-packet one-way delay: 131.012 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 828.46 Mbit/s
95th percentile per-packet one-way delay: 109.705 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 573.10 Mbit/s
95th percentile per-packet one-way delay: 121.590 ms
Loss rate: 3.00%

Run 3: Report of FillP — Data Link

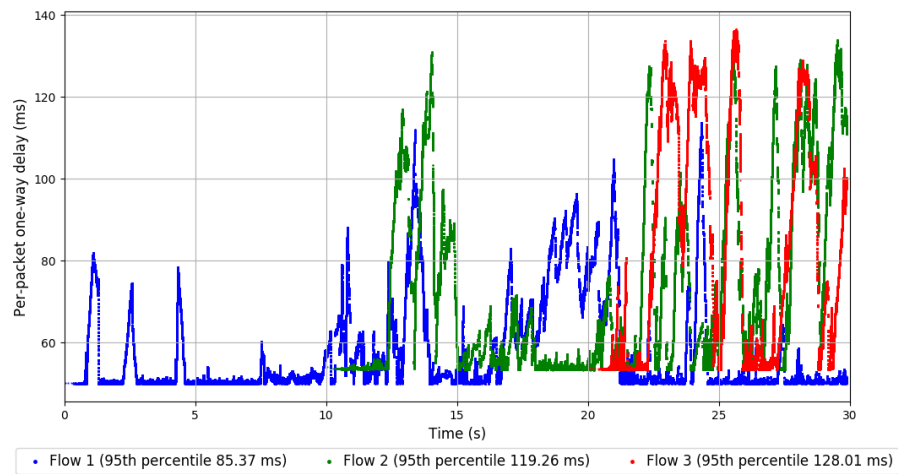
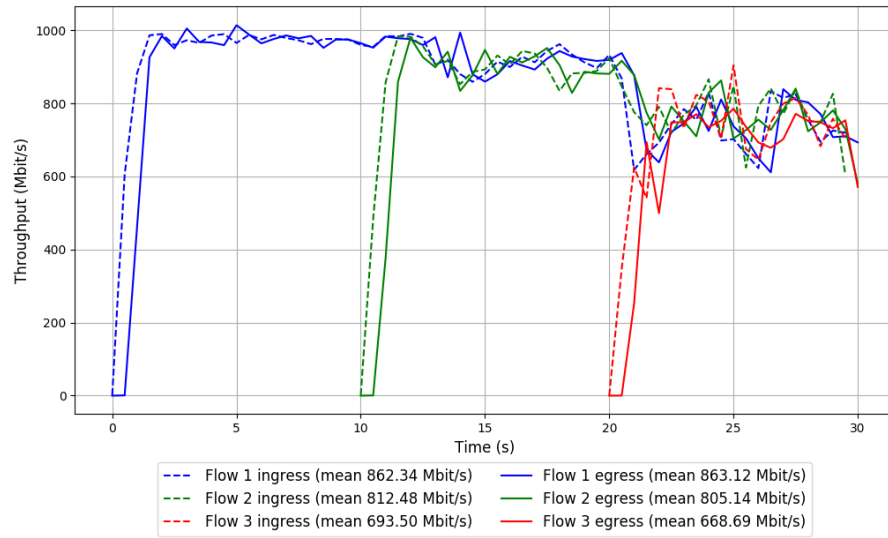


Run 4: Statistics of FillP

Start at: 2018-08-04 02:09:47
End at: 2018-08-04 02:10:17
Local clock offset: -0.129 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-08-04 05:58:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 1618.13 Mbit/s
95th percentile per-packet one-way delay: 117.265 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 863.12 Mbit/s
95th percentile per-packet one-way delay: 85.373 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 805.14 Mbit/s
95th percentile per-packet one-way delay: 119.259 ms
Loss rate: 1.44%
-- Flow 3:
Average throughput: 668.69 Mbit/s
95th percentile per-packet one-way delay: 128.014 ms
Loss rate: 4.62%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-08-04 02:35:00

End at: 2018-08-04 02:35:30

Local clock offset: 0.145 ms

Remote clock offset: 1.099 ms

Below is generated by plot.py at 2018-08-04 05:58:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 1582.88 Mbit/s

95th percentile per-packet one-way delay: 123.897 ms

Loss rate: 2.80%

-- Flow 1:

Average throughput: 857.56 Mbit/s

95th percentile per-packet one-way delay: 112.628 ms

Loss rate: 1.85%

-- Flow 2:

Average throughput: 755.96 Mbit/s

95th percentile per-packet one-way delay: 130.878 ms

Loss rate: 4.86%

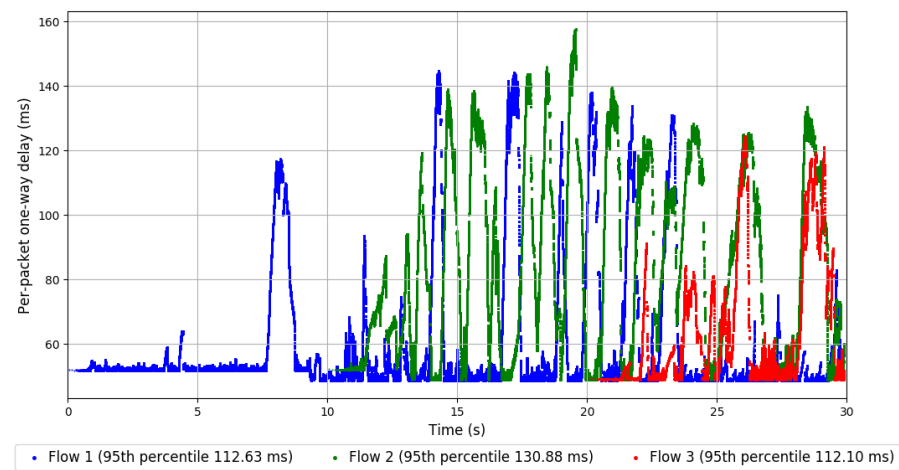
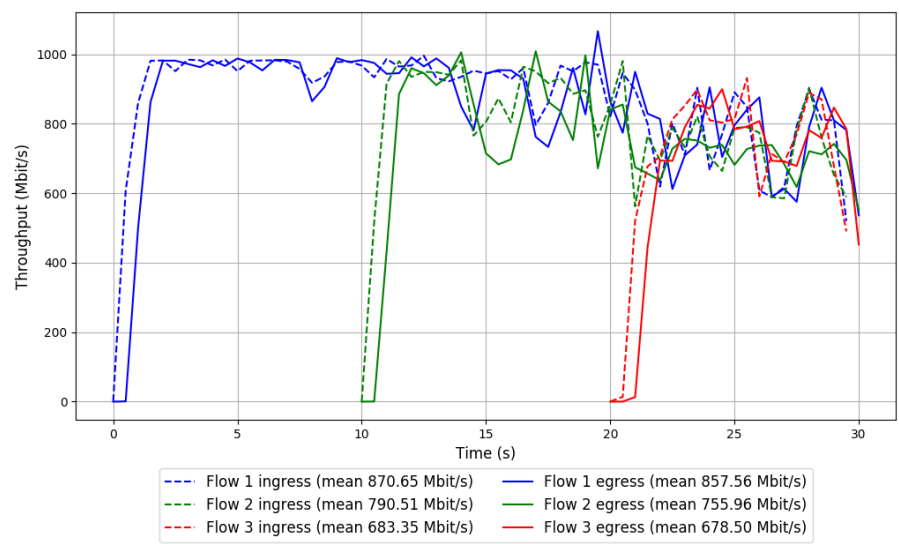
-- Flow 3:

Average throughput: 678.50 Mbit/s

95th percentile per-packet one-way delay: 112.099 ms

Loss rate: 1.69%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-08-04 03:00:29

End at: 2018-08-04 03:00:59

Local clock offset: 0.193 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-08-04 05:58:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 1459.75 Mbit/s

95th percentile per-packet one-way delay: 147.240 ms

Loss rate: 4.72%

-- Flow 1:

Average throughput: 725.11 Mbit/s

95th percentile per-packet one-way delay: 151.723 ms

Loss rate: 5.02%

-- Flow 2:

Average throughput: 772.75 Mbit/s

95th percentile per-packet one-way delay: 139.859 ms

Loss rate: 4.54%

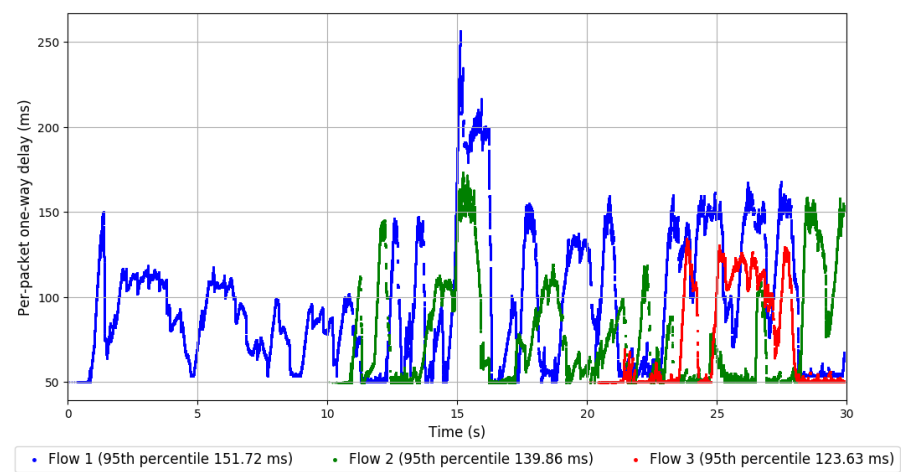
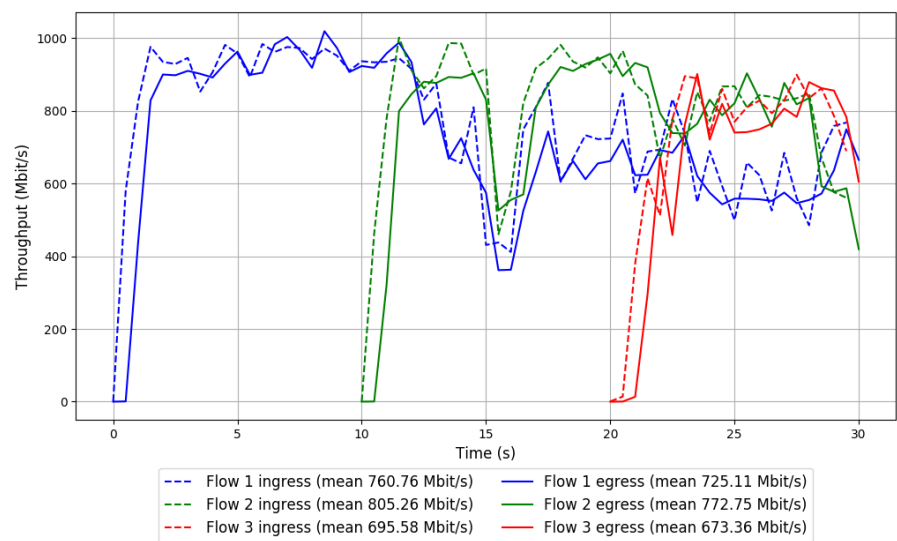
-- Flow 3:

Average throughput: 673.36 Mbit/s

95th percentile per-packet one-way delay: 123.630 ms

Loss rate: 4.13%

Run 6: Report of FillP — Data Link

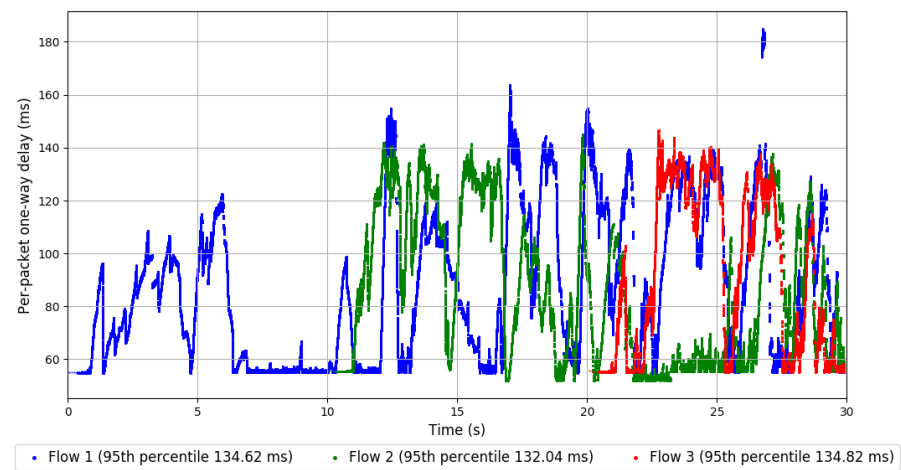
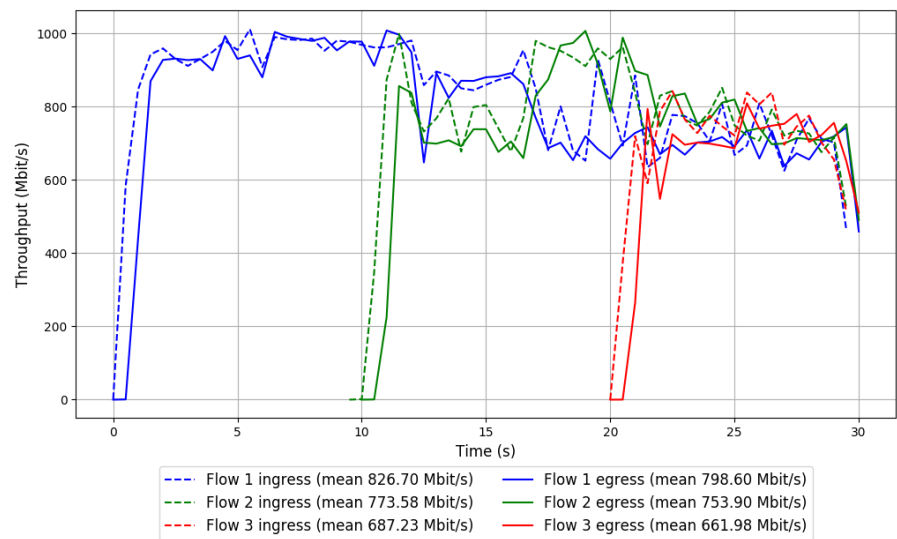


Run 7: Statistics of FillP

Start at: 2018-08-04 03:25:56
End at: 2018-08-04 03:26:26
Local clock offset: 0.168 ms
Remote clock offset: -1.569 ms

Below is generated by plot.py at 2018-08-04 05:58:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 1517.46 Mbit/s
95th percentile per-packet one-way delay: 133.701 ms
Loss rate: 3.66%
-- Flow 1:
Average throughput: 798.60 Mbit/s
95th percentile per-packet one-way delay: 134.623 ms
Loss rate: 3.75%
-- Flow 2:
Average throughput: 753.90 Mbit/s
95th percentile per-packet one-way delay: 132.040 ms
Loss rate: 3.07%
-- Flow 3:
Average throughput: 661.98 Mbit/s
95th percentile per-packet one-way delay: 134.817 ms
Loss rate: 4.71%

Run 7: Report of FillP — Data Link

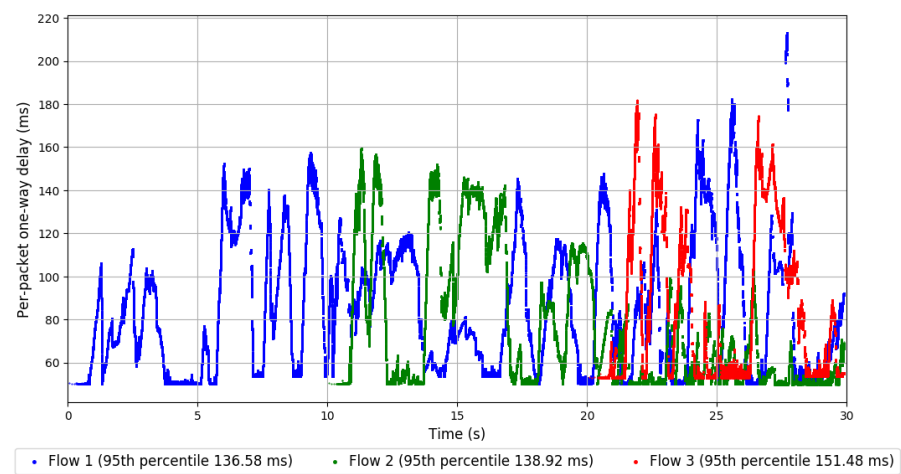
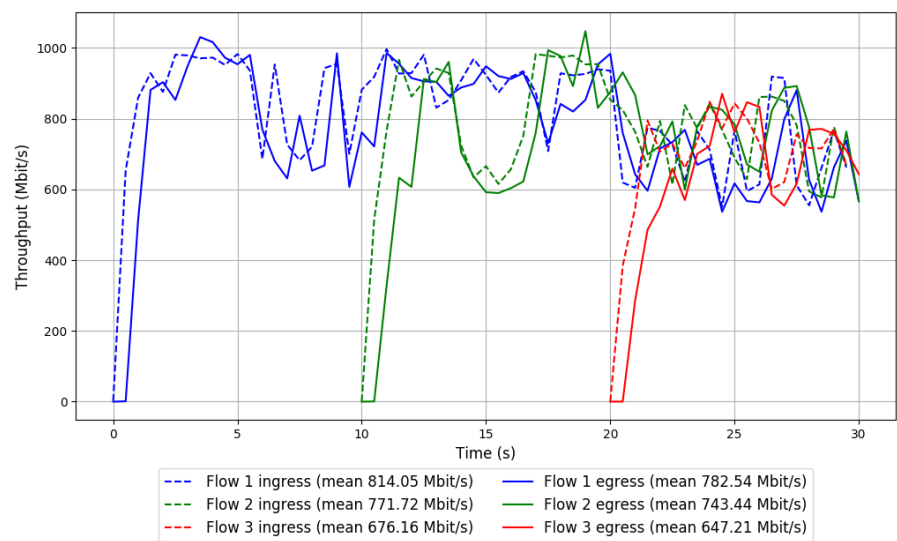


Run 8: Statistics of FillP

Start at: 2018-08-04 03:50:53
End at: 2018-08-04 03:51:23
Local clock offset: -0.025 ms
Remote clock offset: -0.17 ms

Below is generated by plot.py at 2018-08-04 05:59:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 1489.42 Mbit/s
95th percentile per-packet one-way delay: 139.718 ms
Loss rate: 4.36%
-- Flow 1:
Average throughput: 782.54 Mbit/s
95th percentile per-packet one-way delay: 136.579 ms
Loss rate: 4.21%
-- Flow 2:
Average throughput: 743.44 Mbit/s
95th percentile per-packet one-way delay: 138.922 ms
Loss rate: 4.17%
-- Flow 3:
Average throughput: 647.21 Mbit/s
95th percentile per-packet one-way delay: 151.476 ms
Loss rate: 5.31%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-08-04 04:16:08

End at: 2018-08-04 04:16:38

Local clock offset: 0.005 ms

Remote clock offset: 1.323 ms

Below is generated by plot.py at 2018-08-04 06:24:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 1430.39 Mbit/s

95th percentile per-packet one-way delay: 159.030 ms

Loss rate: 5.81%

-- Flow 1:

Average throughput: 778.72 Mbit/s

95th percentile per-packet one-way delay: 134.320 ms

Loss rate: 4.15%

-- Flow 2:

Average throughput: 626.31 Mbit/s

95th percentile per-packet one-way delay: 171.258 ms

Loss rate: 10.25%

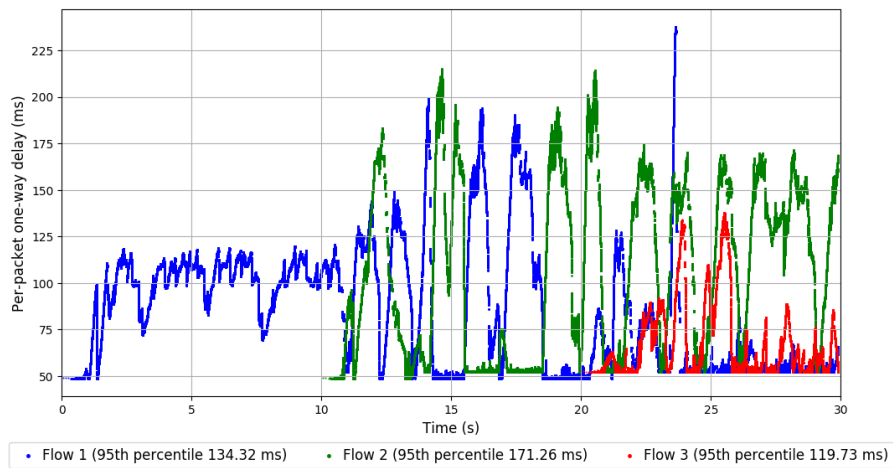
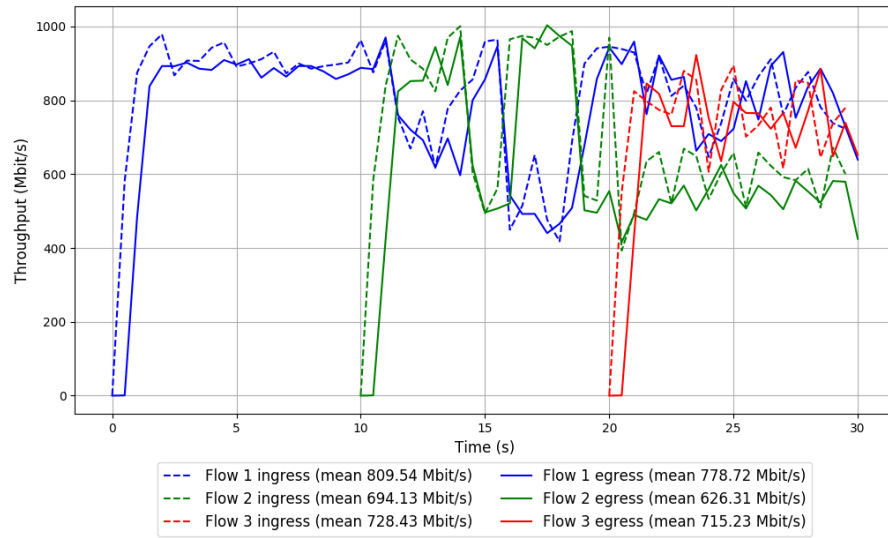
-- Flow 3:

Average throughput: 715.23 Mbit/s

95th percentile per-packet one-way delay: 119.726 ms

Loss rate: 2.89%

Run 9: Report of FillP — Data Link

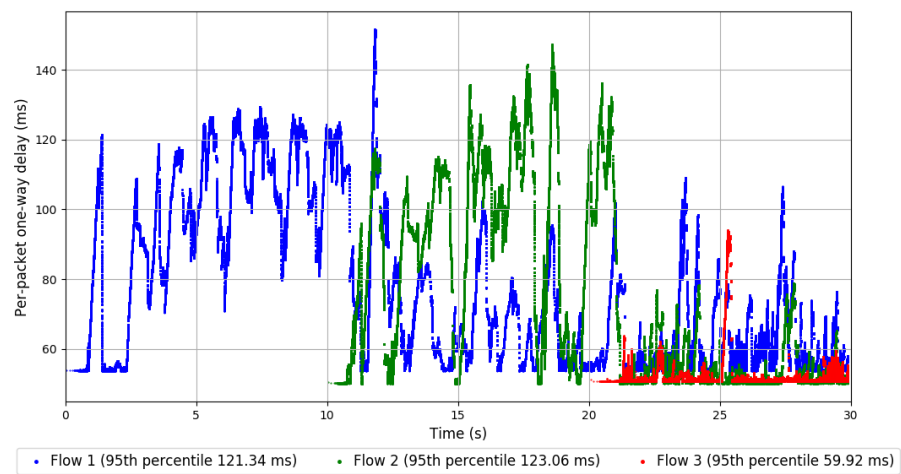
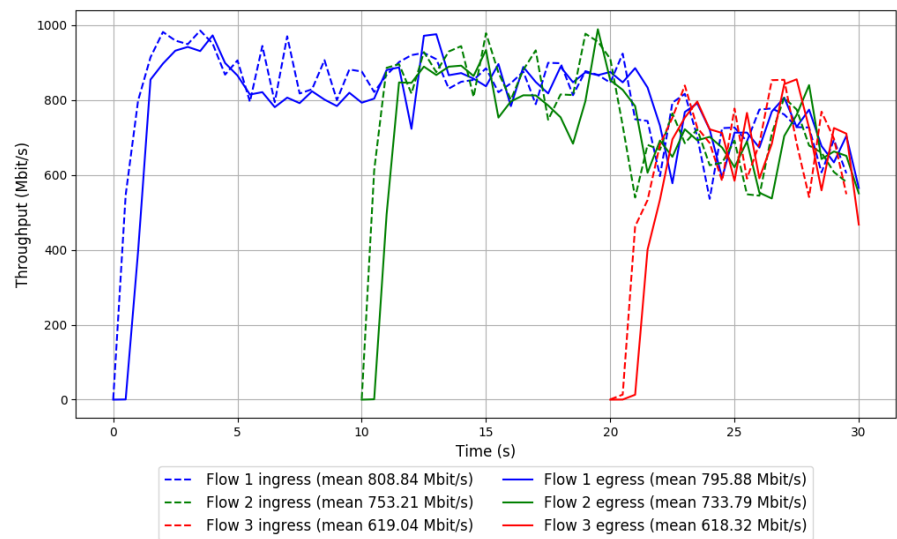


Run 10: Statistics of FillP

Start at: 2018-08-04 04:41:25
End at: 2018-08-04 04:41:55
Local clock offset: -0.005 ms
Remote clock offset: -0.355 ms

Below is generated by plot.py at 2018-08-04 06:25:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 1486.81 Mbit/s
95th percentile per-packet one-way delay: 120.903 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 795.88 Mbit/s
95th percentile per-packet one-way delay: 121.343 ms
Loss rate: 1.97%
-- Flow 2:
Average throughput: 733.79 Mbit/s
95th percentile per-packet one-way delay: 123.057 ms
Loss rate: 3.05%
-- Flow 3:
Average throughput: 618.32 Mbit/s
95th percentile per-packet one-way delay: 59.919 ms
Loss rate: 1.14%

Run 10: Report of FillP — Data Link

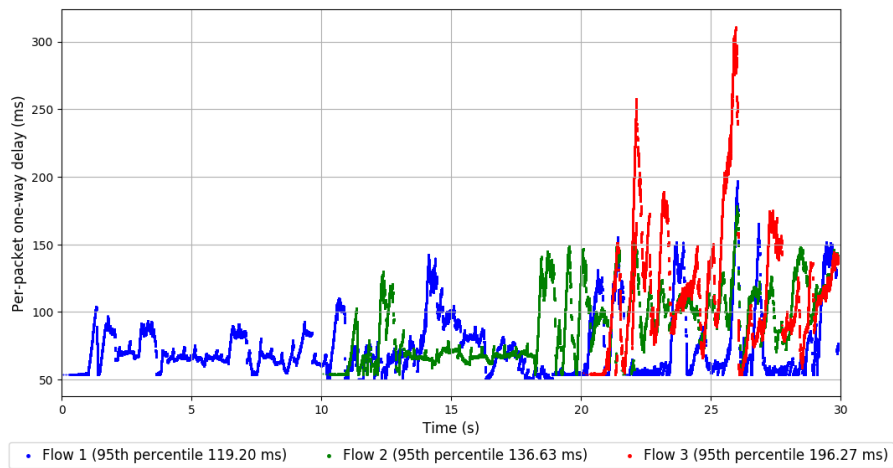
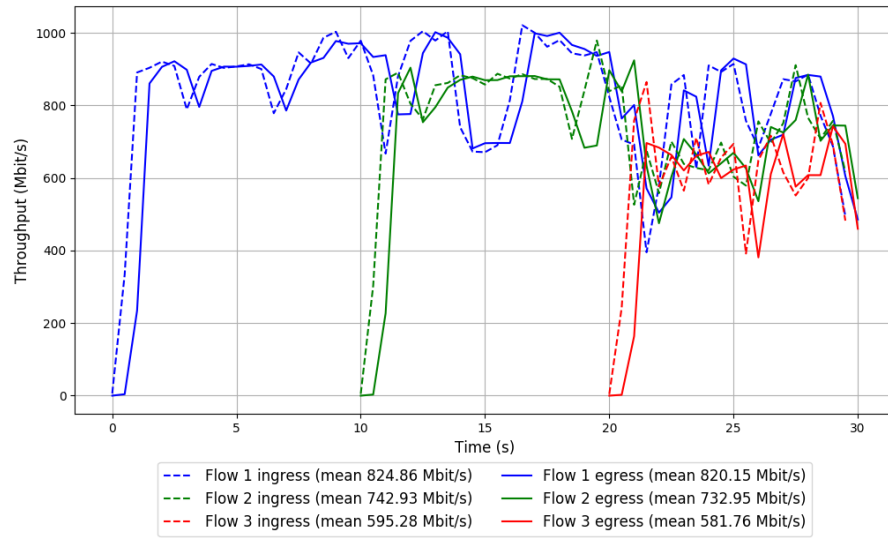


Run 1: Statistics of FillP-Sheep

Start at: 2018-08-04 00:34:51
End at: 2018-08-04 00:35:21
Local clock offset: 0.061 ms
Remote clock offset: -0.357 ms

Below is generated by plot.py at 2018-08-04 06:25:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 1498.68 Mbit/s
95th percentile per-packet one-way delay: 140.214 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 820.15 Mbit/s
95th percentile per-packet one-way delay: 119.200 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 732.95 Mbit/s
95th percentile per-packet one-way delay: 136.630 ms
Loss rate: 1.88%
-- Flow 3:
Average throughput: 581.76 Mbit/s
95th percentile per-packet one-way delay: 196.270 ms
Loss rate: 3.35%

Run 1: Report of FillP-Sheep — Data Link

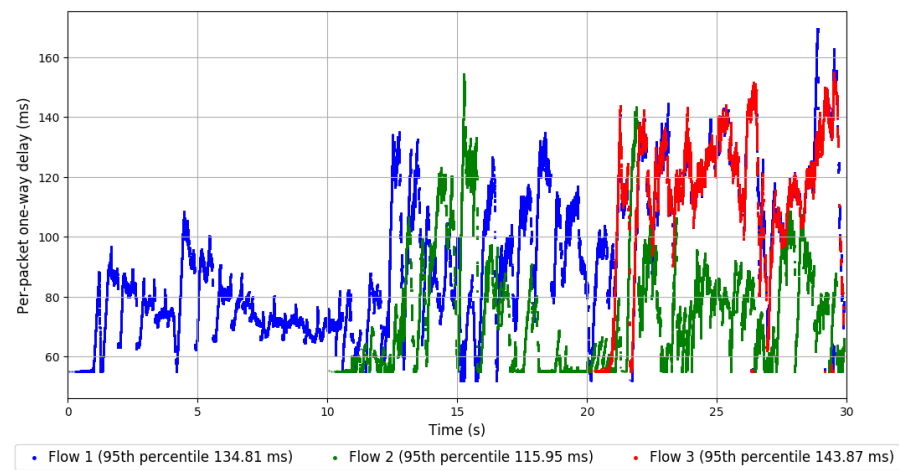
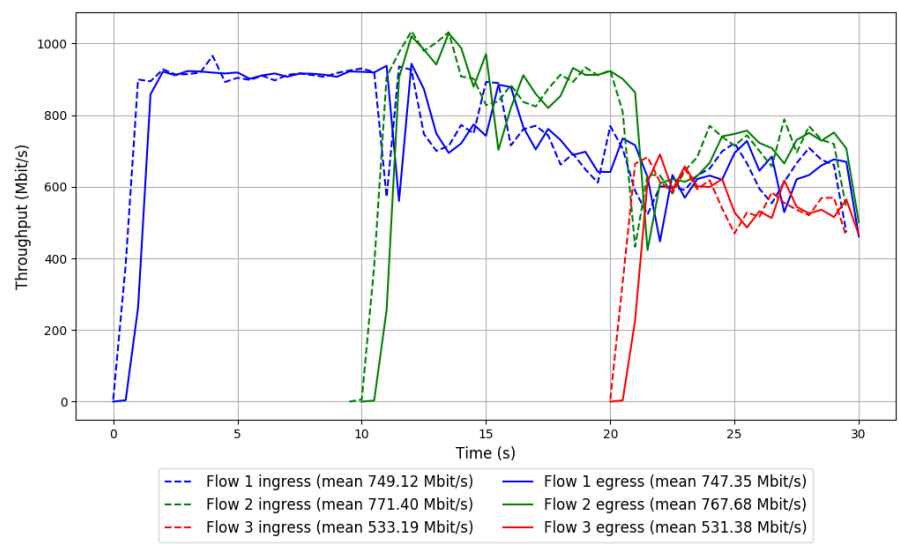


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-04 01:00:27
End at: 2018-08-04 01:00:57
Local clock offset: -0.035 ms
Remote clock offset: -1.576 ms

Below is generated by plot.py at 2018-08-04 06:25:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 1432.63 Mbit/s
95th percentile per-packet one-way delay: 134.361 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 747.35 Mbit/s
95th percentile per-packet one-way delay: 134.812 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 767.68 Mbit/s
95th percentile per-packet one-way delay: 115.949 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 531.38 Mbit/s
95th percentile per-packet one-way delay: 143.873 ms
Loss rate: 1.53%

Run 2: Report of FillP-Sheep — Data Link

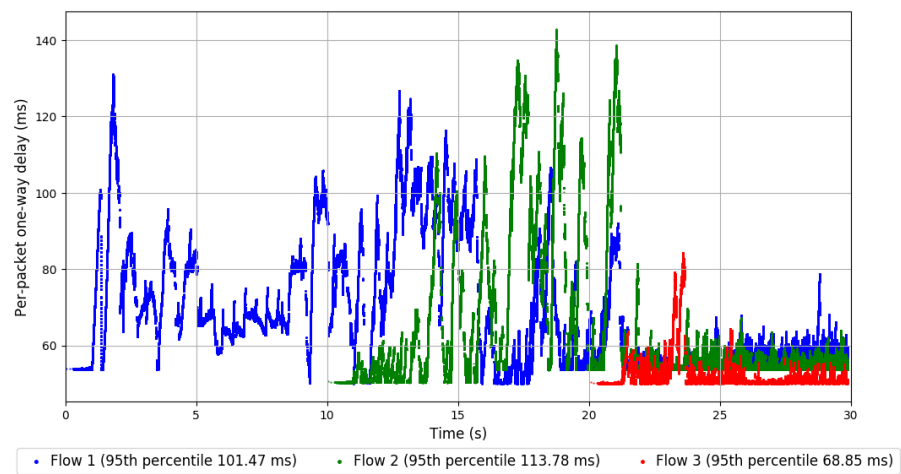
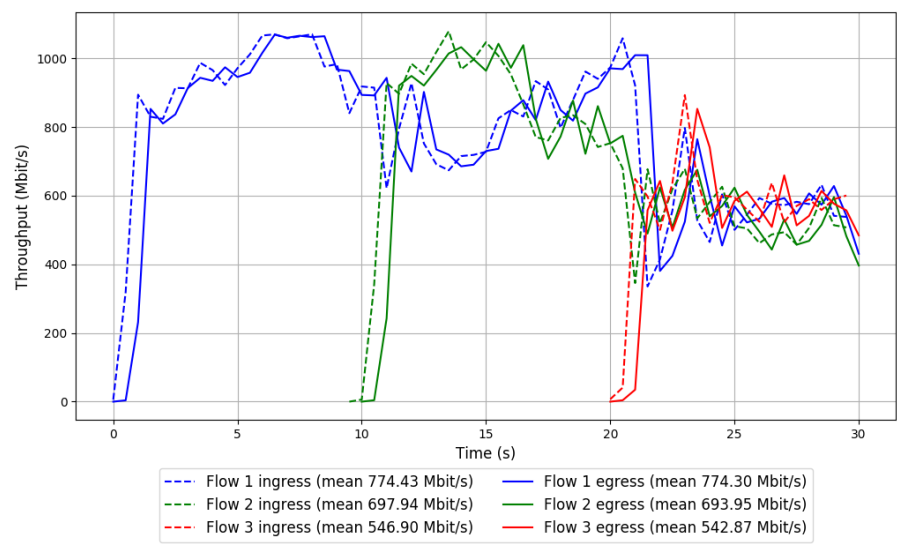


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-04 01:25:53
End at: 2018-08-04 01:26:23
Local clock offset: 0.212 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-08-04 06:25:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 1414.11 Mbit/s
95th percentile per-packet one-way delay: 103.719 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 774.30 Mbit/s
95th percentile per-packet one-way delay: 101.475 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 693.95 Mbit/s
95th percentile per-packet one-way delay: 113.784 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 542.87 Mbit/s
95th percentile per-packet one-way delay: 68.852 ms
Loss rate: 1.78%

Run 3: Report of FillP-Sheep — Data Link

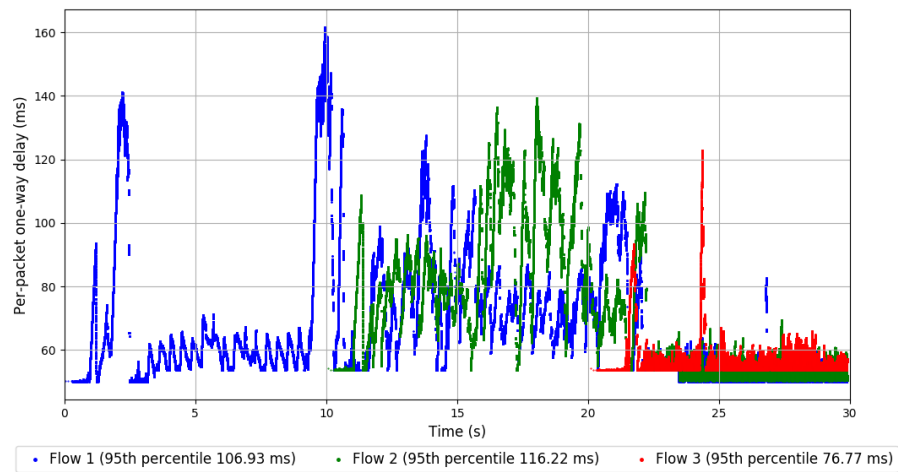
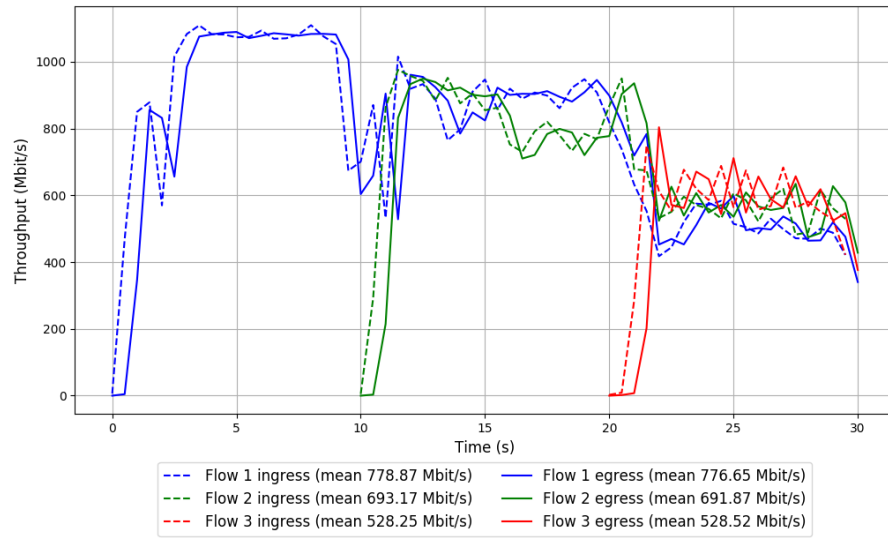


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-04 01:51:16
End at: 2018-08-04 01:51:46
Local clock offset: -0.028 ms
Remote clock offset: -0.258 ms

Below is generated by plot.py at 2018-08-04 06:25:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 1410.14 Mbit/s
95th percentile per-packet one-way delay: 110.406 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 776.65 Mbit/s
95th percentile per-packet one-way delay: 106.926 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 691.87 Mbit/s
95th percentile per-packet one-way delay: 116.223 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 528.52 Mbit/s
95th percentile per-packet one-way delay: 76.771 ms
Loss rate: 1.02%

Run 4: Report of FillP-Sheep — Data Link

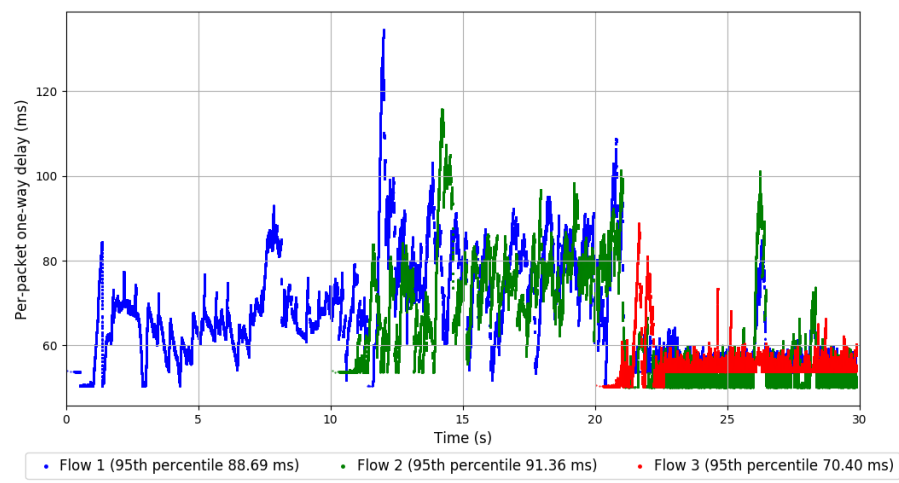
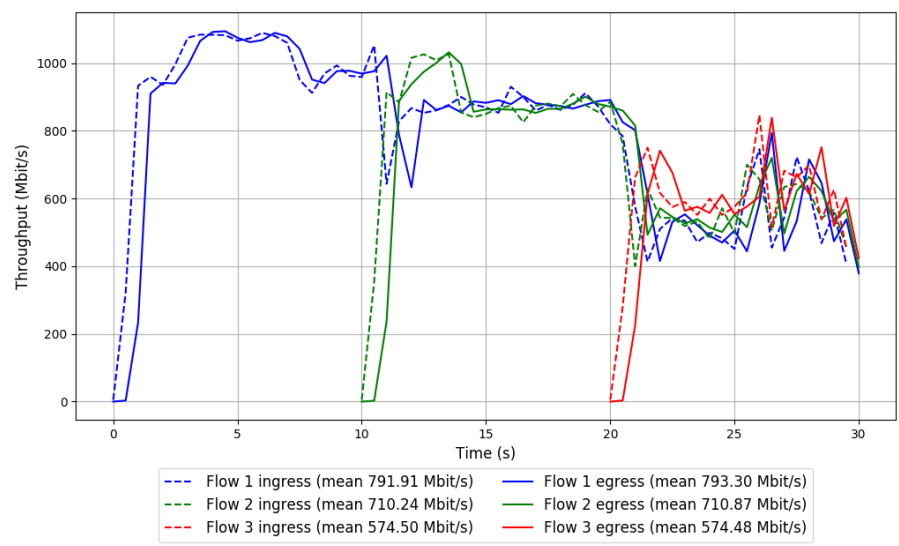


Run 5: Statistics of FillP-Sheep

Start at: 2018-08-04 02:16:49
End at: 2018-08-04 02:17:19
Local clock offset: 0.198 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-08-04 06:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 1454.14 Mbit/s
95th percentile per-packet one-way delay: 88.218 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 793.30 Mbit/s
95th percentile per-packet one-way delay: 88.688 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 710.87 Mbit/s
95th percentile per-packet one-way delay: 91.356 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 574.48 Mbit/s
95th percentile per-packet one-way delay: 70.401 ms
Loss rate: 0.95%

Run 5: Report of FillP-Sheep — Data Link

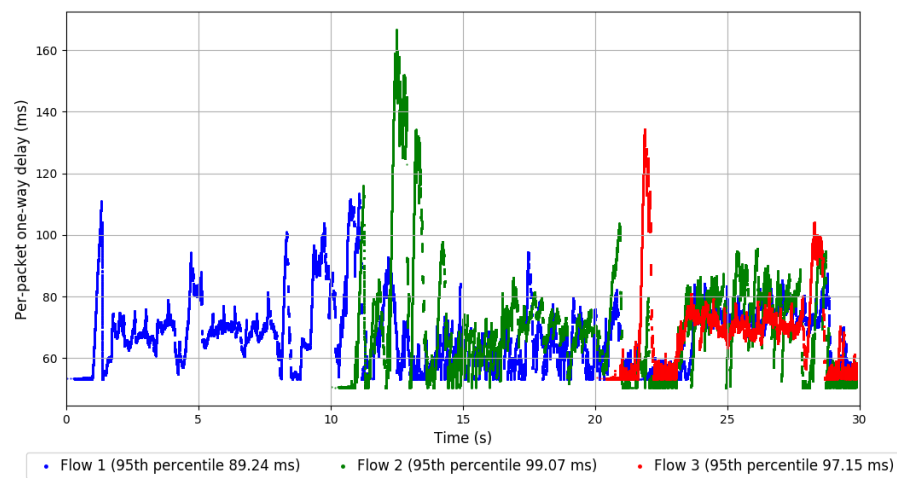
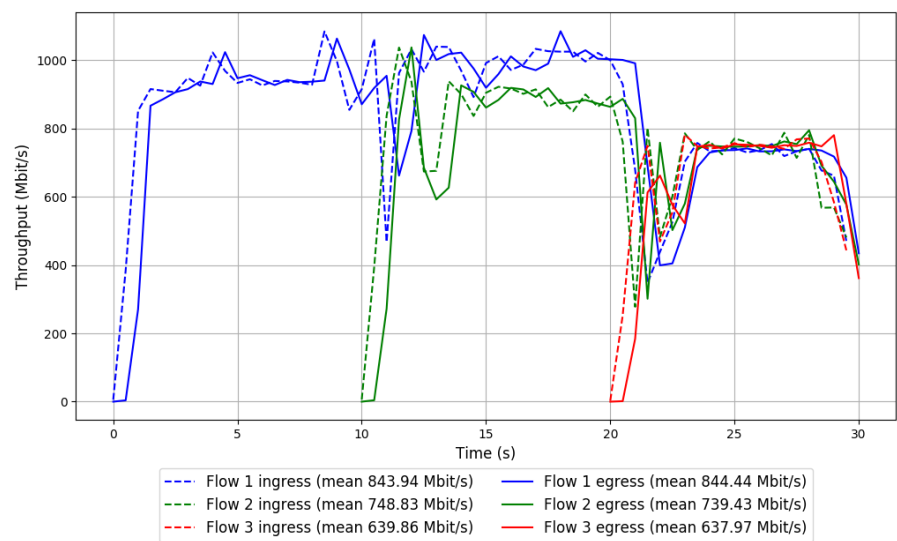


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-04 02:41:58
End at: 2018-08-04 02:42:28
Local clock offset: 0.134 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-08-04 06:30:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 1545.69 Mbit/s
95th percentile per-packet one-way delay: 93.521 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 844.44 Mbit/s
95th percentile per-packet one-way delay: 89.237 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 739.43 Mbit/s
95th percentile per-packet one-way delay: 99.066 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 637.97 Mbit/s
95th percentile per-packet one-way delay: 97.151 ms
Loss rate: 1.37%

Run 6: Report of FillP-Sheep — Data Link

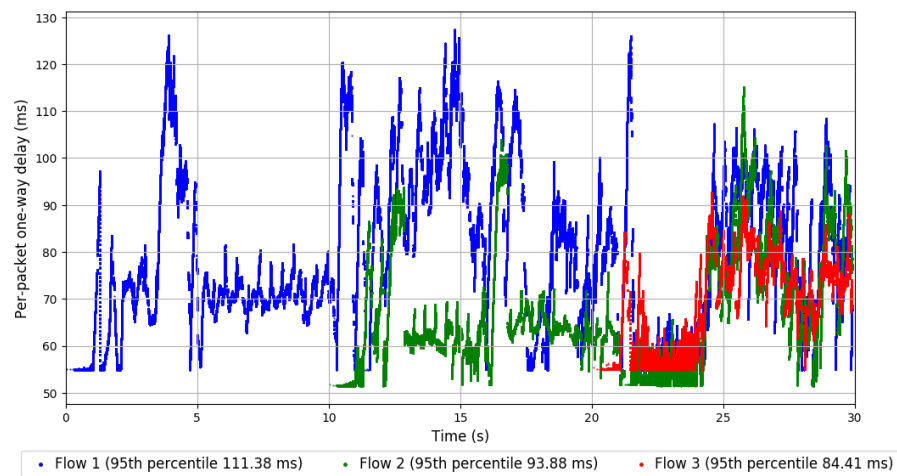
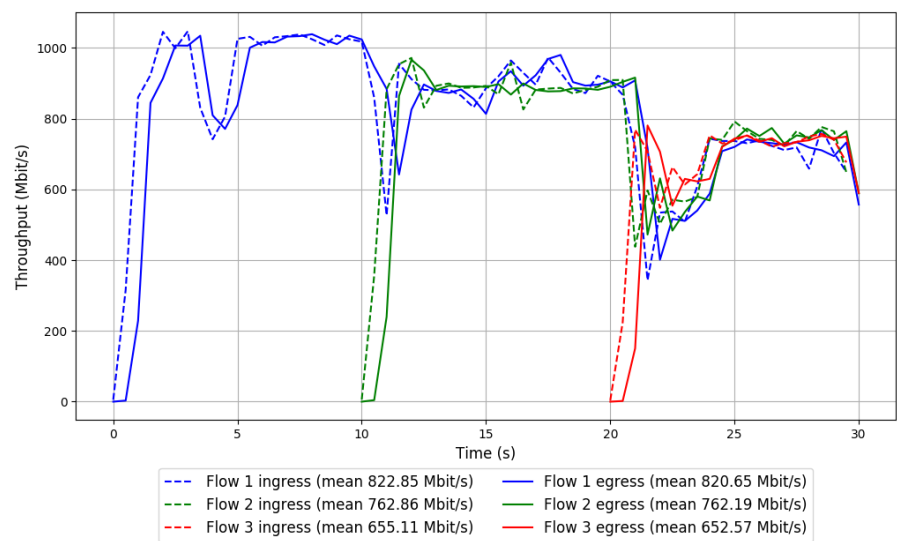


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-04 03:07:27
End at: 2018-08-04 03:07:57
Local clock offset: 0.114 ms
Remote clock offset: -1.429 ms

Below is generated by plot.py at 2018-08-04 06:54:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 1542.03 Mbit/s
95th percentile per-packet one-way delay: 105.066 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 820.65 Mbit/s
95th percentile per-packet one-way delay: 111.381 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 762.19 Mbit/s
95th percentile per-packet one-way delay: 93.883 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 652.57 Mbit/s
95th percentile per-packet one-way delay: 84.408 ms
Loss rate: 1.48%

Run 7: Report of FillP-Sheep — Data Link

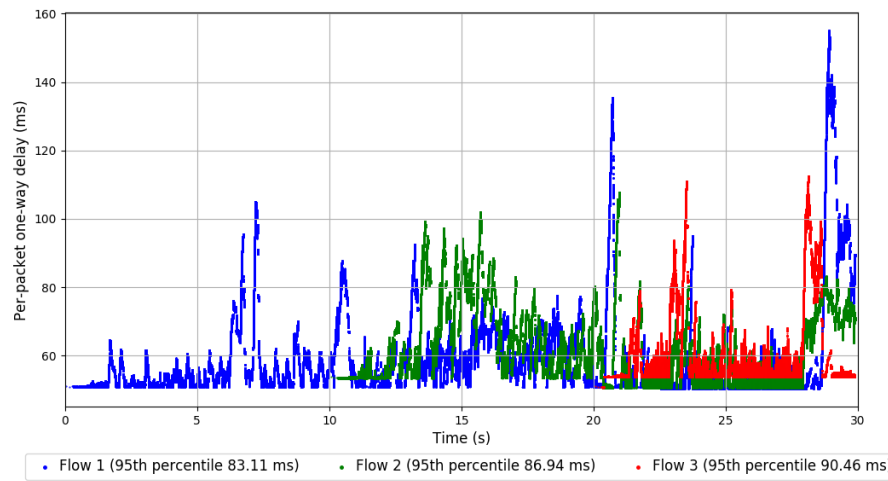
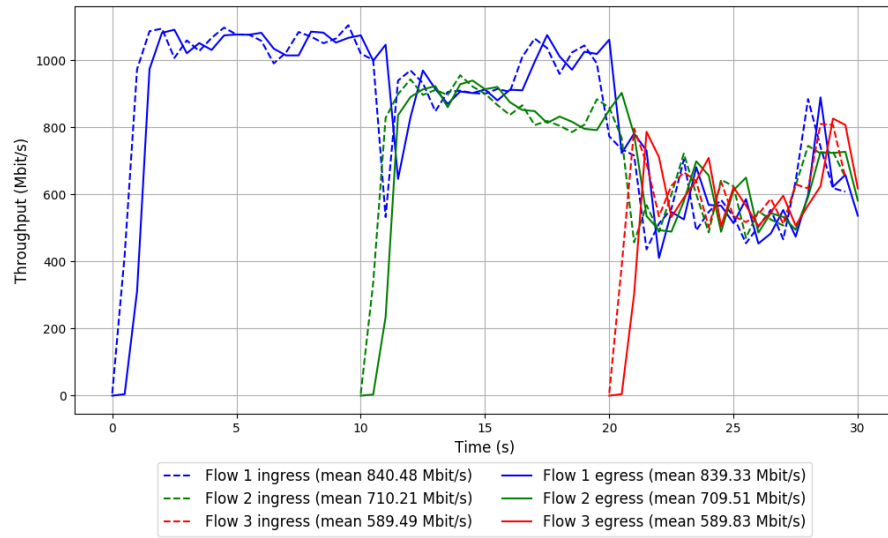


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-04 03:32:59
End at: 2018-08-04 03:33:29
Local clock offset: 0.303 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-08-04 06:54:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 1504.94 Mbit/s
95th percentile per-packet one-way delay: 86.354 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 839.33 Mbit/s
95th percentile per-packet one-way delay: 83.111 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 709.51 Mbit/s
95th percentile per-packet one-way delay: 86.941 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 589.83 Mbit/s
95th percentile per-packet one-way delay: 90.463 ms
Loss rate: 1.09%

Run 8: Report of FillP-Sheep — Data Link

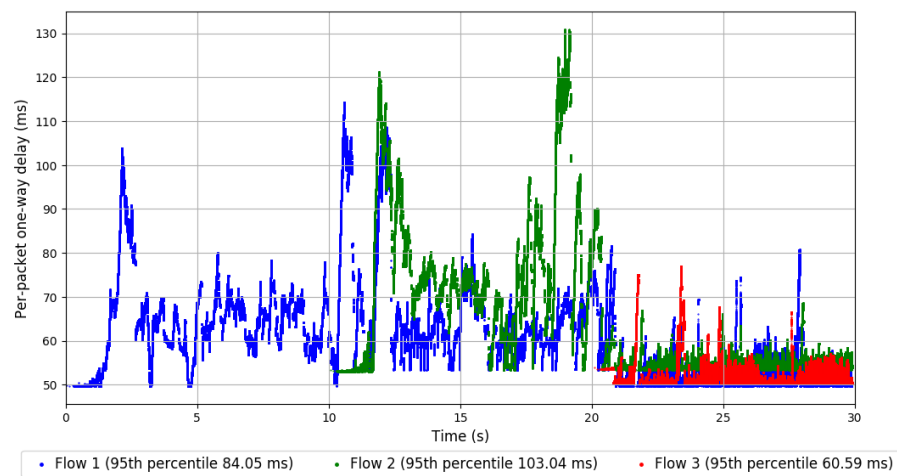
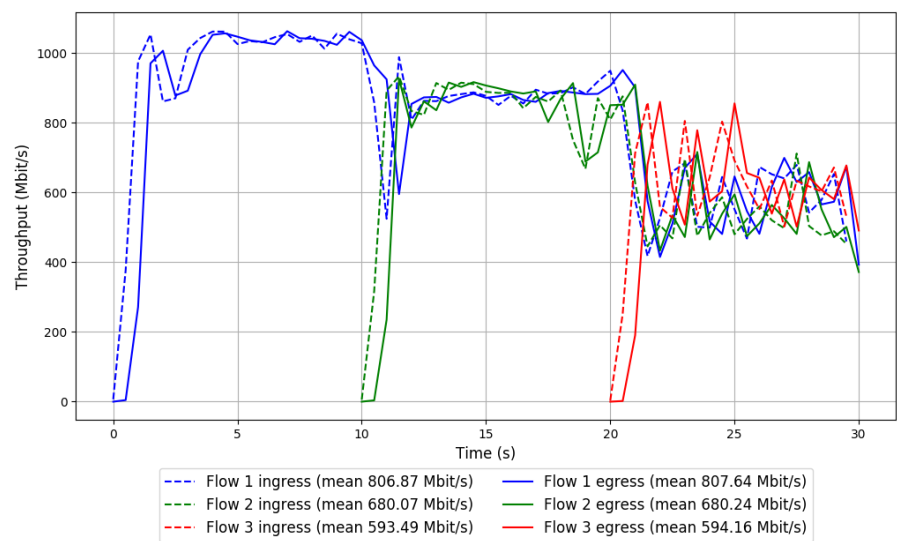


Run 9: Statistics of FillP-Sheep

Start at: 2018-08-04 03:57:39
End at: 2018-08-04 03:58:09
Local clock offset: -0.078 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-08-04 06:54:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 1454.76 Mbit/s
95th percentile per-packet one-way delay: 90.881 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 807.64 Mbit/s
95th percentile per-packet one-way delay: 84.047 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 680.24 Mbit/s
95th percentile per-packet one-way delay: 103.041 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 594.16 Mbit/s
95th percentile per-packet one-way delay: 60.594 ms
Loss rate: 0.98%

Run 9: Report of FillP-Sheep — Data Link

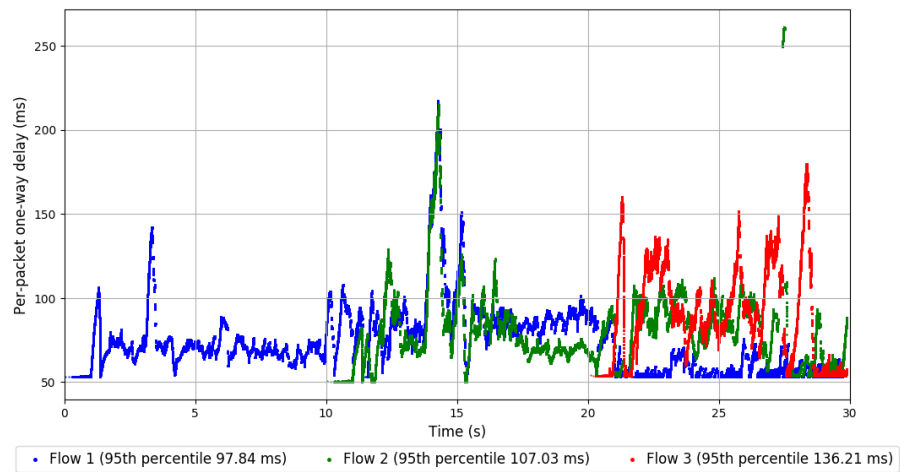
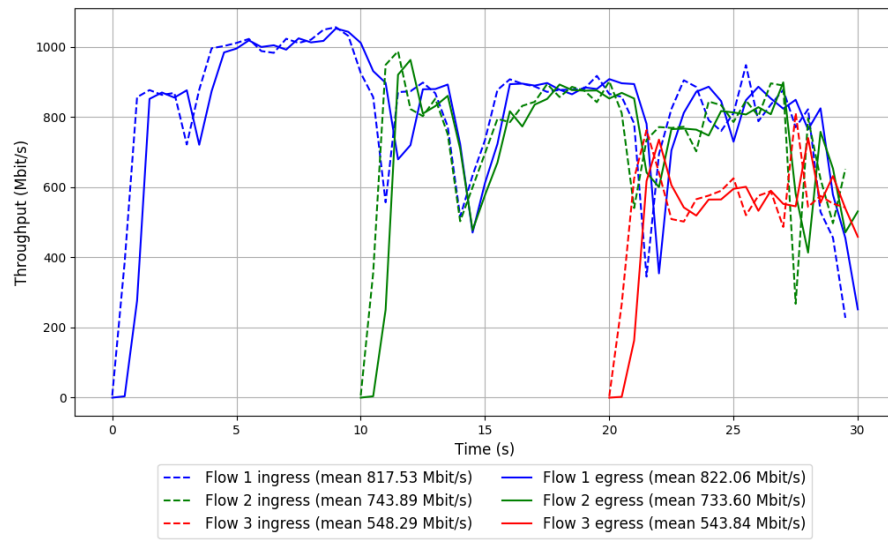


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-04 04:23:11
End at: 2018-08-04 04:23:41
Local clock offset: 0.123 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-08-04 06:54:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 1483.71 Mbit/s
95th percentile per-packet one-way delay: 114.534 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 822.06 Mbit/s
95th percentile per-packet one-way delay: 97.842 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 733.60 Mbit/s
95th percentile per-packet one-way delay: 107.033 ms
Loss rate: 1.90%
-- Flow 3:
Average throughput: 543.84 Mbit/s
95th percentile per-packet one-way delay: 136.213 ms
Loss rate: 1.89%

Run 10: Report of FillP-Sheep — Data Link

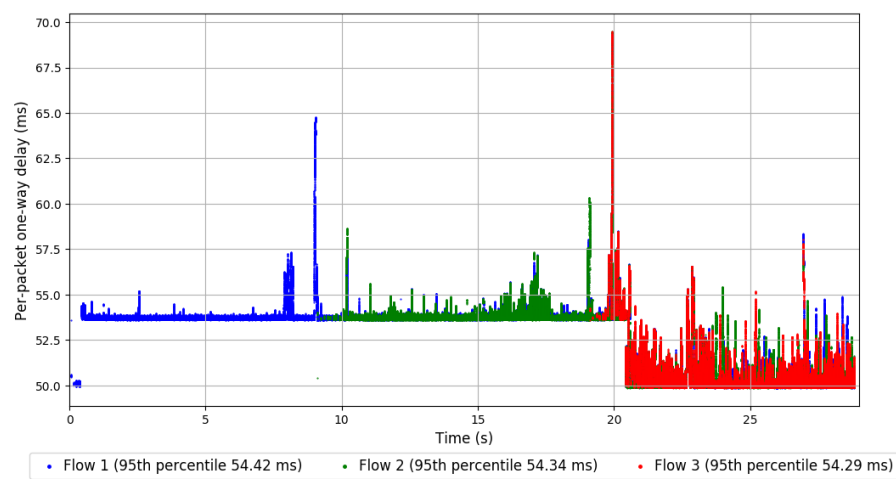
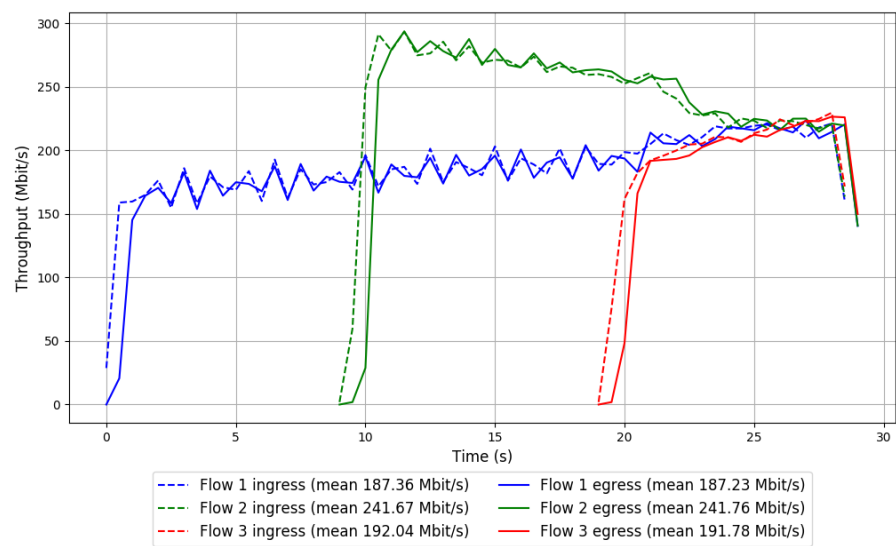


```
Run 1: Statistics of Indigo

Start at: 2018-08-04 00:50:30
End at: 2018-08-04 00:51:00
Local clock offset: -0.014 ms
Remote clock offset: -0.164 ms

# Below is generated by plot.py at 2018-08-04 06:54:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 417.64 Mbit/s
95th percentile per-packet one-way delay: 54.377 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 187.23 Mbit/s
95th percentile per-packet one-way delay: 54.420 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 241.76 Mbit/s
95th percentile per-packet one-way delay: 54.340 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 191.78 Mbit/s
95th percentile per-packet one-way delay: 54.287 ms
Loss rate: 1.20%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-08-04 01:15:53

End at: 2018-08-04 01:16:23

Local clock offset: -0.12 ms

Remote clock offset: 1.139 ms

Below is generated by plot.py at 2018-08-04 06:54:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 433.82 Mbit/s

95th percentile per-packet one-way delay: 54.082 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 218.16 Mbit/s

95th percentile per-packet one-way delay: 53.624 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 231.10 Mbit/s

95th percentile per-packet one-way delay: 53.980 ms

Loss rate: 0.50%

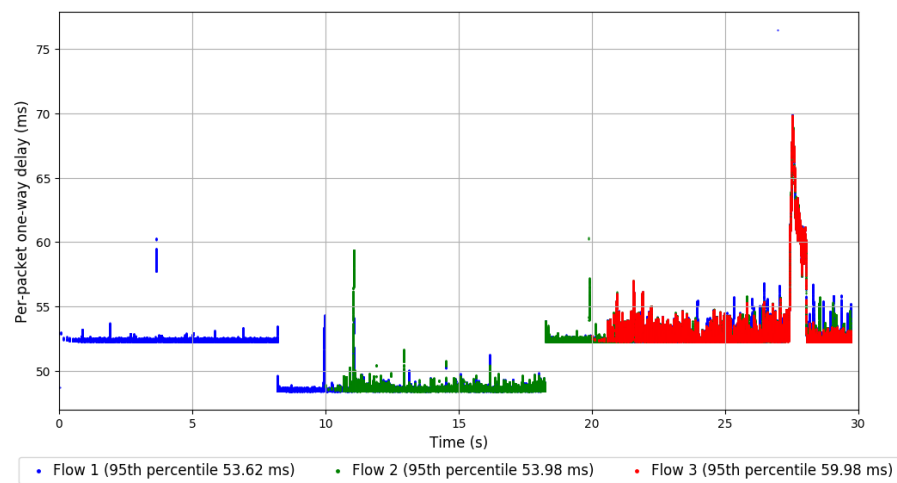
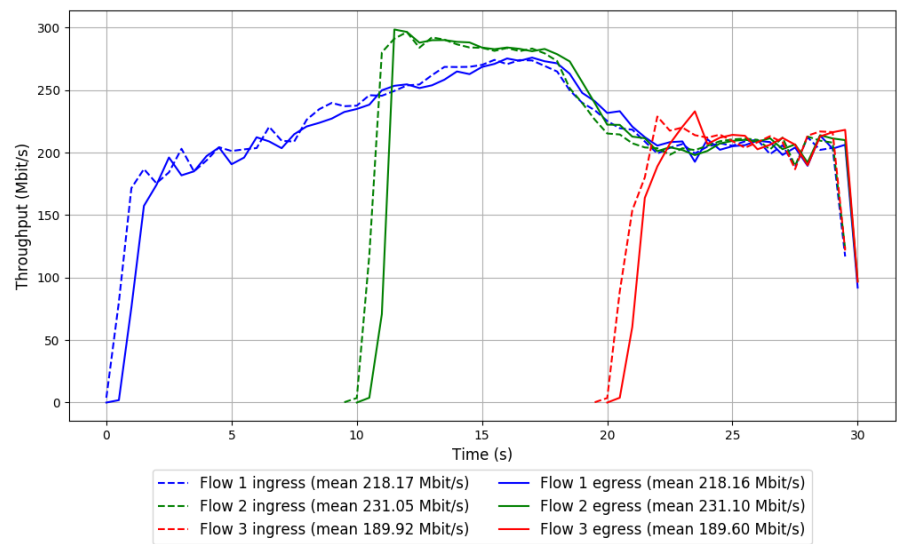
-- Flow 3:

Average throughput: 189.60 Mbit/s

95th percentile per-packet one-way delay: 59.981 ms

Loss rate: 1.24%

Run 2: Report of Indigo — Data Link

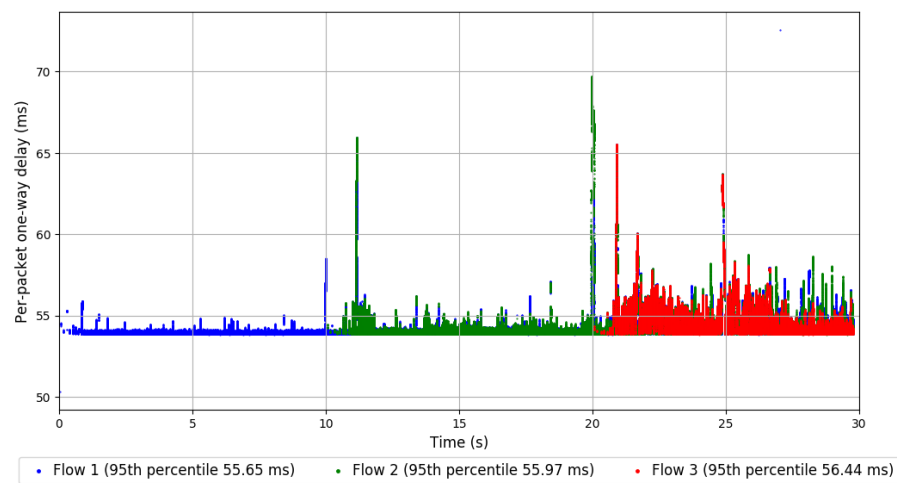
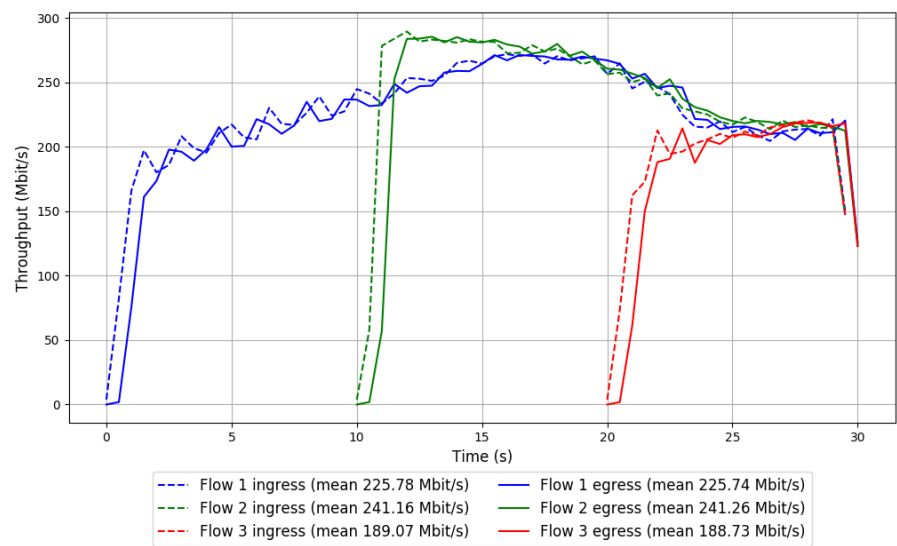


Run 3: Statistics of Indigo

Start at: 2018-08-04 01:41:32
End at: 2018-08-04 01:42:02
Local clock offset: 0.26 ms
Remote clock offset: -0.255 ms

Below is generated by plot.py at 2018-08-04 06:54:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 447.39 Mbit/s
95th percentile per-packet one-way delay: 55.919 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 225.74 Mbit/s
95th percentile per-packet one-way delay: 55.648 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 241.26 Mbit/s
95th percentile per-packet one-way delay: 55.974 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 188.73 Mbit/s
95th percentile per-packet one-way delay: 56.435 ms
Loss rate: 1.28%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-08-04 02:07:02

End at: 2018-08-04 02:07:32

Local clock offset: 0.255 ms

Remote clock offset: 0.873 ms

Below is generated by plot.py at 2018-08-04 06:54:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 445.11 Mbit/s

95th percentile per-packet one-way delay: 53.788 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 228.62 Mbit/s

95th percentile per-packet one-way delay: 53.537 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 244.46 Mbit/s

95th percentile per-packet one-way delay: 53.795 ms

Loss rate: 0.47%

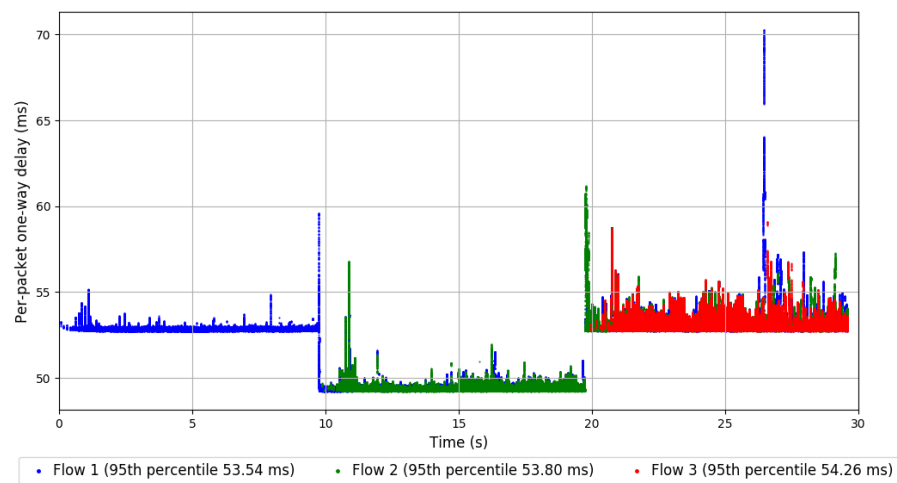
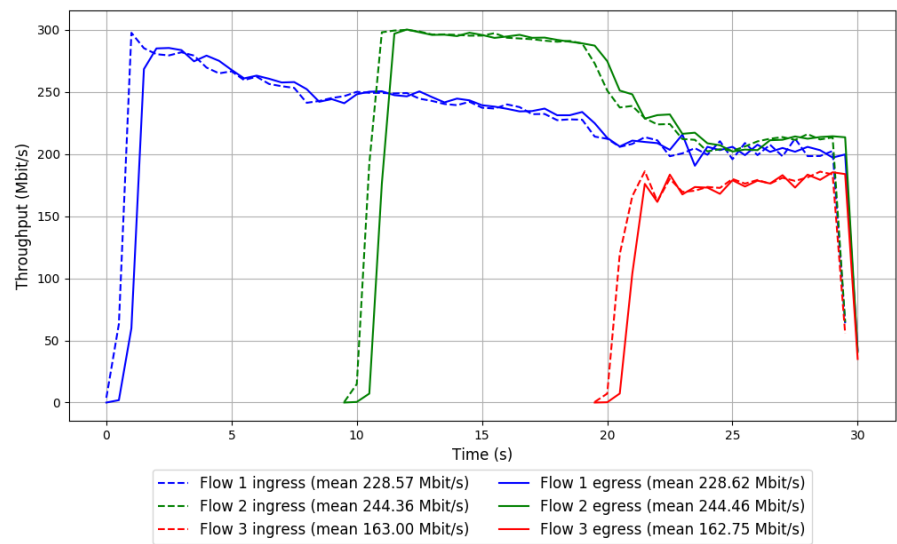
-- Flow 3:

Average throughput: 162.75 Mbit/s

95th percentile per-packet one-way delay: 54.259 ms

Loss rate: 1.25%

Run 4: Report of Indigo — Data Link

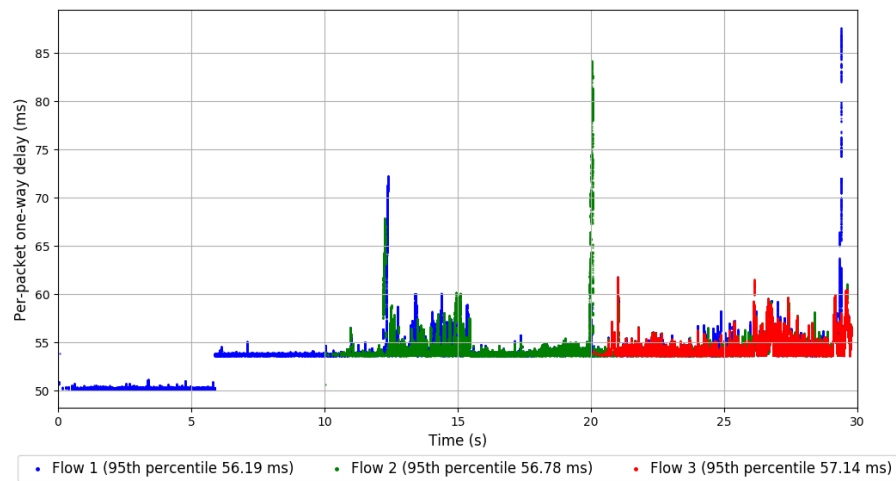
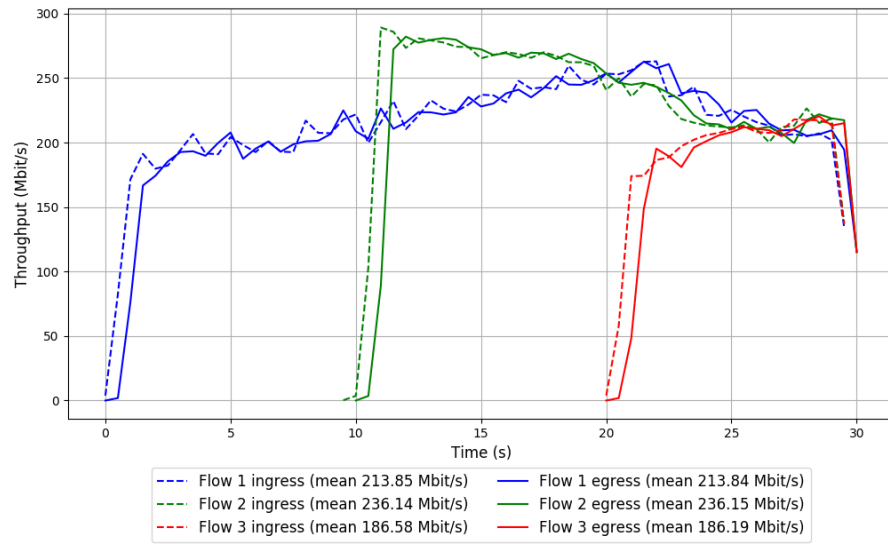


Run 5: Statistics of Indigo

Start at: 2018-08-04 02:32:16
End at: 2018-08-04 02:32:46
Local clock offset: -0.141 ms
Remote clock offset: -0.417 ms

Below is generated by plot.py at 2018-08-04 06:54:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 431.23 Mbit/s
95th percentile per-packet one-way delay: 56.578 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 213.84 Mbit/s
95th percentile per-packet one-way delay: 56.192 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 236.15 Mbit/s
95th percentile per-packet one-way delay: 56.777 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 186.19 Mbit/s
95th percentile per-packet one-way delay: 57.141 ms
Loss rate: 1.28%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-08-04 02:57:43

End at: 2018-08-04 02:58:13

Local clock offset: 0.239 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2018-08-04 06:54:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 457.38 Mbit/s

95th percentile per-packet one-way delay: 53.934 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 232.46 Mbit/s

95th percentile per-packet one-way delay: 53.849 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 235.93 Mbit/s

95th percentile per-packet one-way delay: 53.985 ms

Loss rate: 0.47%

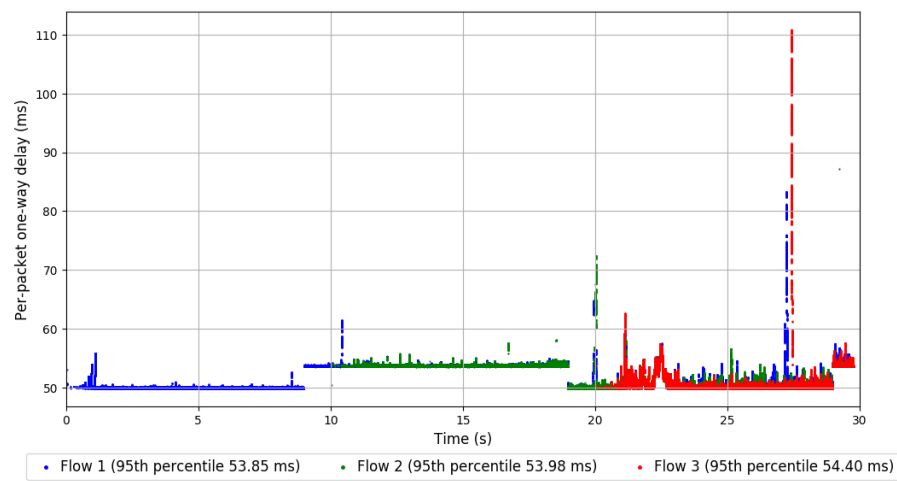
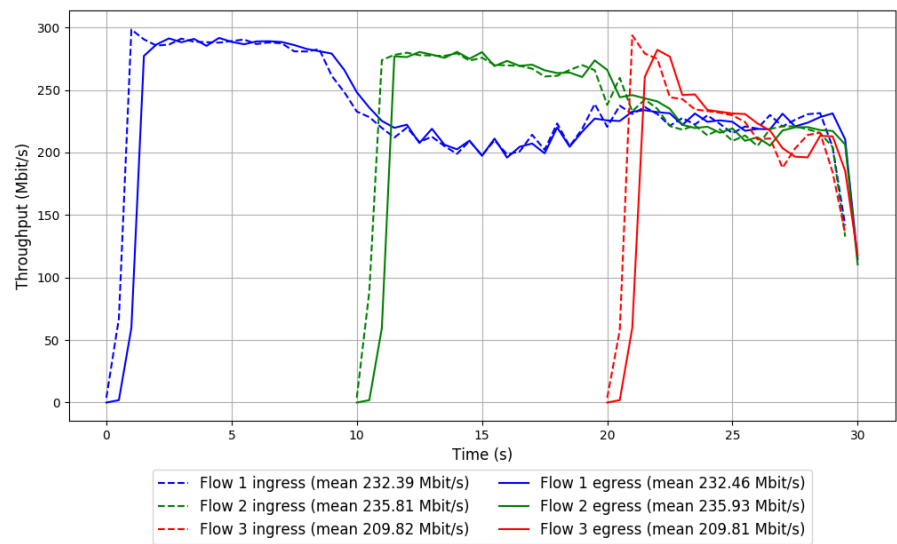
-- Flow 3:

Average throughput: 209.81 Mbit/s

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

Loss rate: 1.06%

Run 6: Report of Indigo — Data Link

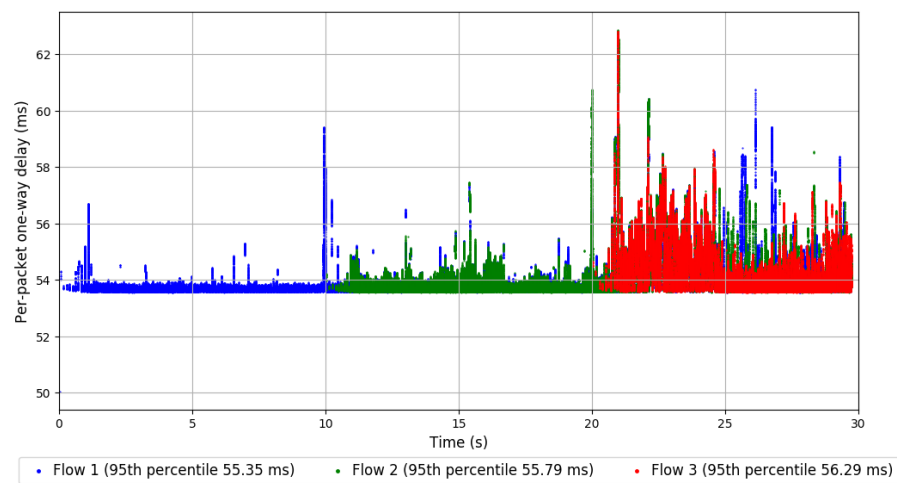
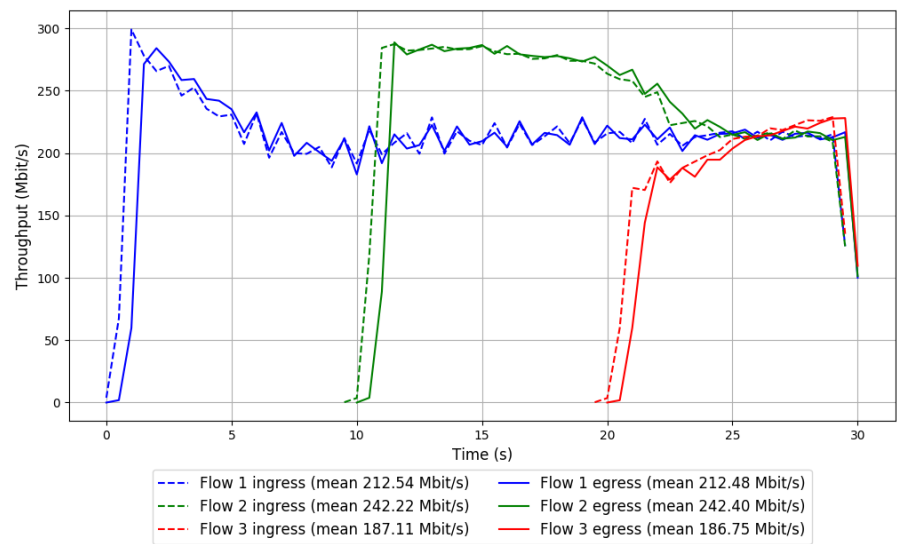


Run 7: Statistics of Indigo

Start at: 2018-08-04 03:23:12
End at: 2018-08-04 03:23:42
Local clock offset: 0.013 ms
Remote clock offset: -0.215 ms

Below is generated by plot.py at 2018-08-04 06:54:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 434.44 Mbit/s
95th percentile per-packet one-way delay: 55.739 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 212.48 Mbit/s
95th percentile per-packet one-way delay: 55.347 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 242.40 Mbit/s
95th percentile per-packet one-way delay: 55.792 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 186.75 Mbit/s
95th percentile per-packet one-way delay: 56.294 ms
Loss rate: 1.38%

Run 7: Report of Indigo — Data Link

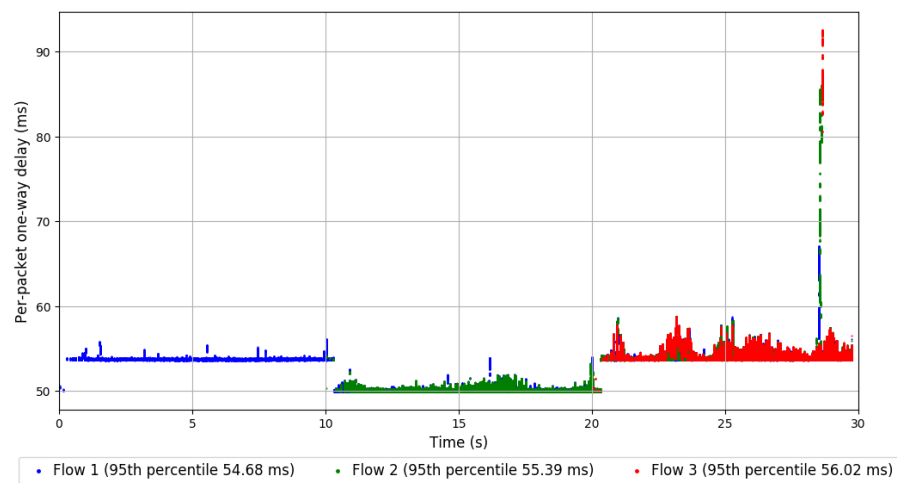
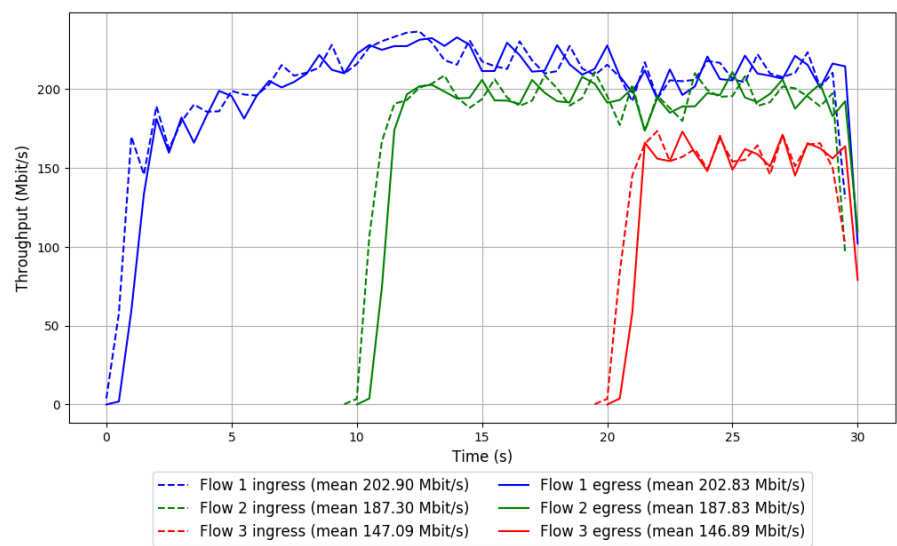


Run 8: Statistics of Indigo

Start at: 2018-08-04 03:48:11
End at: 2018-08-04 03:48:41
Local clock offset: -0.145 ms
Remote clock offset: -0.366 ms

Below is generated by plot.py at 2018-08-04 06:54:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 375.53 Mbit/s
95th percentile per-packet one-way delay: 55.227 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 202.83 Mbit/s
95th percentile per-packet one-way delay: 54.679 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 187.83 Mbit/s
95th percentile per-packet one-way delay: 55.394 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 146.89 Mbit/s
95th percentile per-packet one-way delay: 56.022 ms
Loss rate: 1.16%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-08-04 04:13:22

End at: 2018-08-04 04:13:52

Local clock offset: 0.002 ms

Remote clock offset: -0.22 ms

Below is generated by plot.py at 2018-08-04 06:54:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 456.73 Mbit/s

95th percentile per-packet one-way delay: 63.048 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 235.46 Mbit/s

95th percentile per-packet one-way delay: 56.886 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 234.02 Mbit/s

95th percentile per-packet one-way delay: 62.697 ms

Loss rate: 0.49%

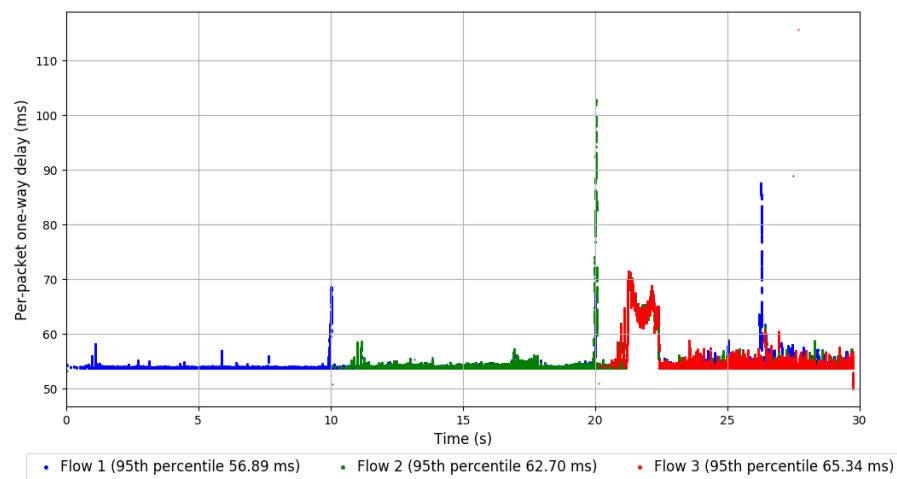
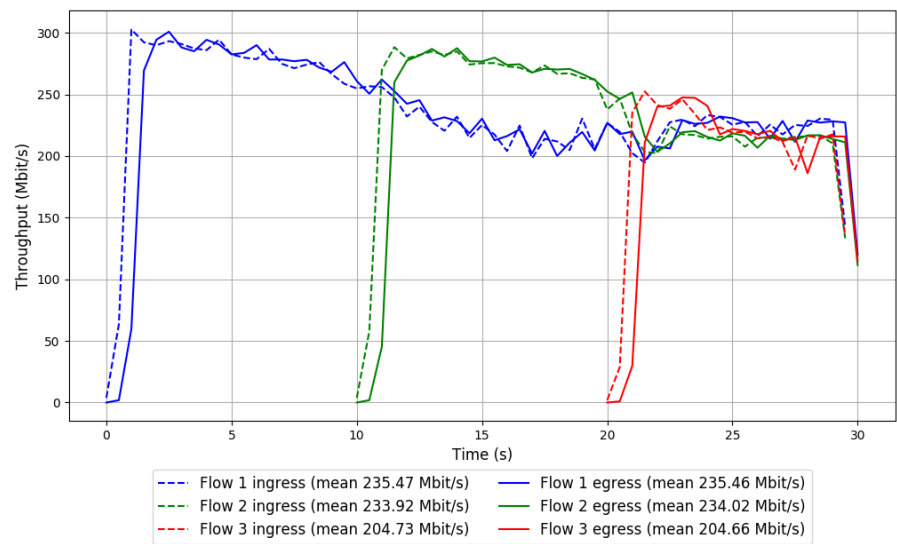
-- Flow 3:

Average throughput: 204.66 Mbit/s

95th percentile per-packet one-way delay: 65.336 ms

Loss rate: 1.10%

Run 9: Report of Indigo — Data Link

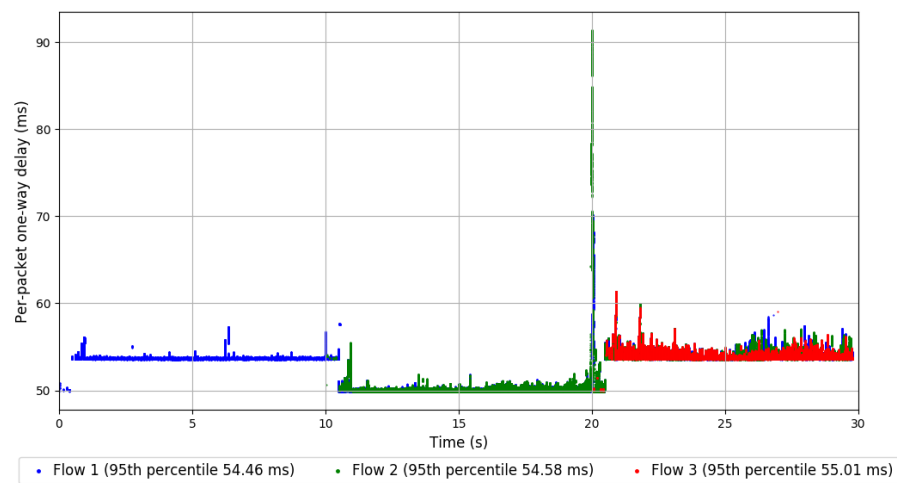
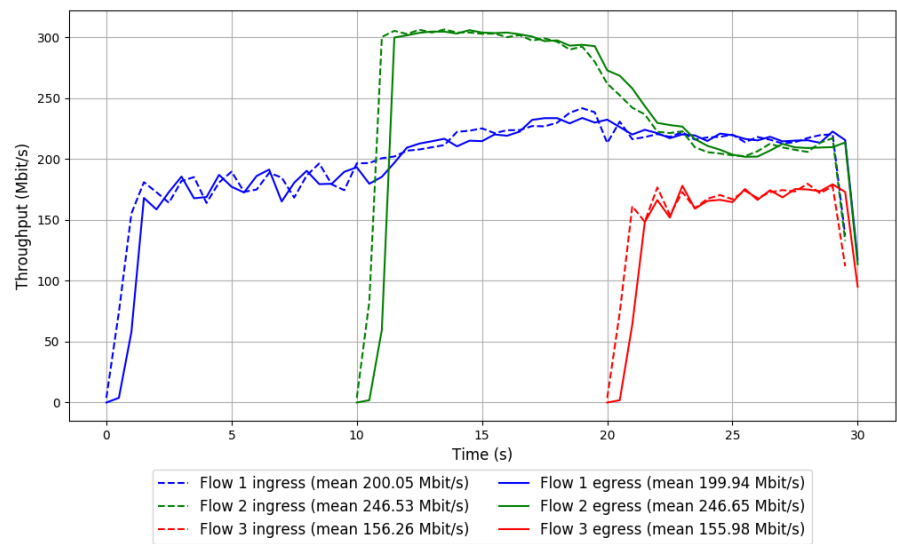


Run 10: Statistics of Indigo

Start at: 2018-08-04 04:38:41
End at: 2018-08-04 04:39:11
Local clock offset: -0.026 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-08-04 06:54:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 414.41 Mbit/s
95th percentile per-packet one-way delay: 54.624 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 199.94 Mbit/s
95th percentile per-packet one-way delay: 54.457 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 246.65 Mbit/s
95th percentile per-packet one-way delay: 54.581 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 155.98 Mbit/s
95th percentile per-packet one-way delay: 55.014 ms
Loss rate: 1.20%

Run 10: Report of Indigo — Data Link

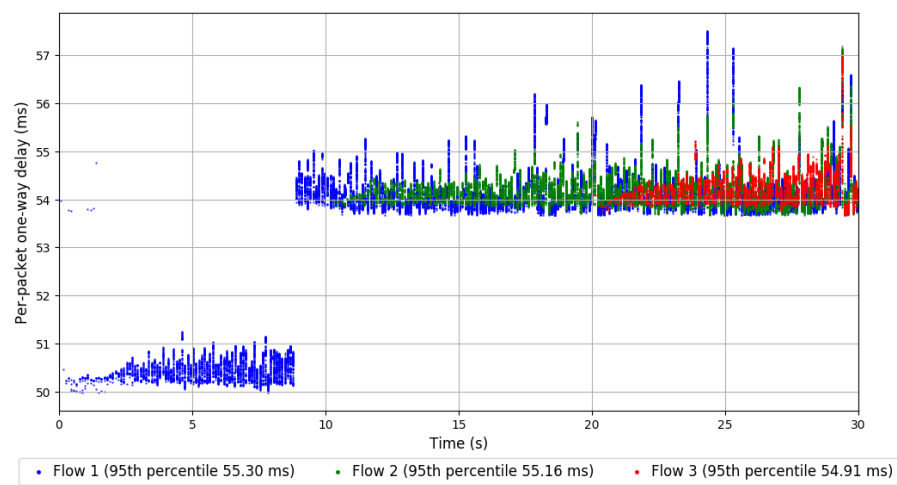
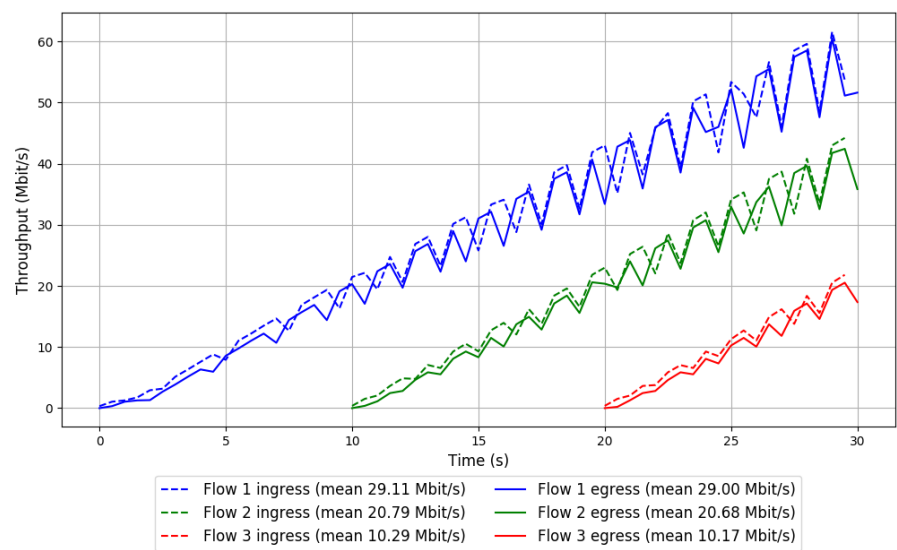


```
Run 1: Statistics of LEDBAT

Start at: 2018-08-04 00:31:23
End at: 2018-08-04 00:31:53
Local clock offset: 0.037 ms
Remote clock offset: -0.239 ms

# Below is generated by plot.py at 2018-08-04 06:54:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 46.11 Mbit/s
95th percentile per-packet one-way delay: 55.222 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 29.00 Mbit/s
95th percentile per-packet one-way delay: 55.303 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 20.68 Mbit/s
95th percentile per-packet one-way delay: 55.164 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 10.17 Mbit/s
95th percentile per-packet one-way delay: 54.910 ms
Loss rate: 2.18%
```


Run 1: Report of LEDBAT — Data Link

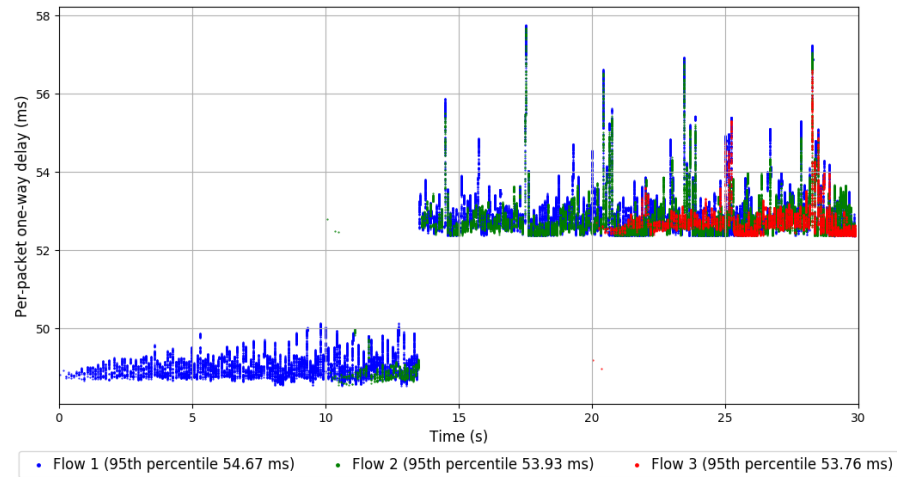
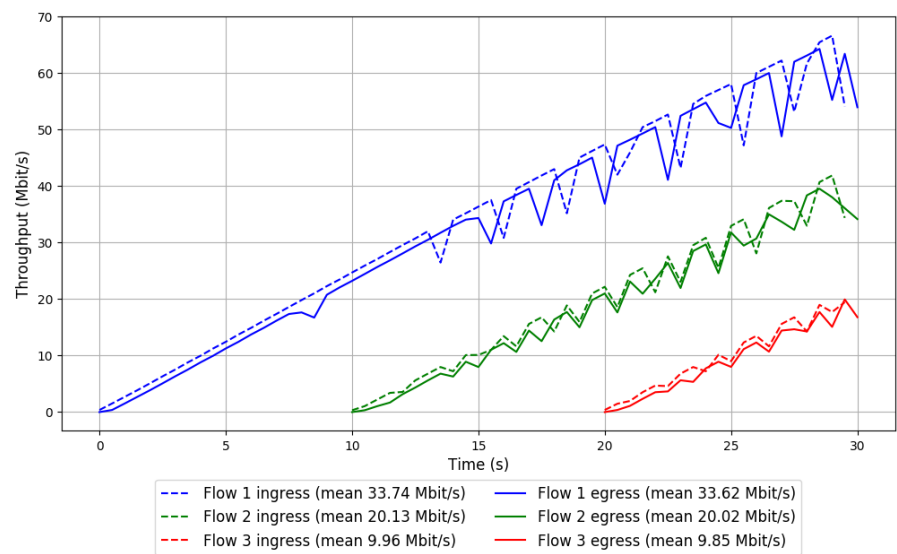


Run 2: Statistics of LEDBAT

Start at: 2018-08-04 00:56:58
End at: 2018-08-04 00:57:28
Local clock offset: -0.002 ms
Remote clock offset: 1.203 ms

Below is generated by plot.py at 2018-08-04 06:54:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.11 Mbit/s
95th percentile per-packet one-way delay: 54.429 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 33.62 Mbit/s
95th percentile per-packet one-way delay: 54.667 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 20.02 Mbit/s
95th percentile per-packet one-way delay: 53.931 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 9.85 Mbit/s
95th percentile per-packet one-way delay: 53.759 ms
Loss rate: 2.18%

Run 2: Report of LEDBAT — Data Link

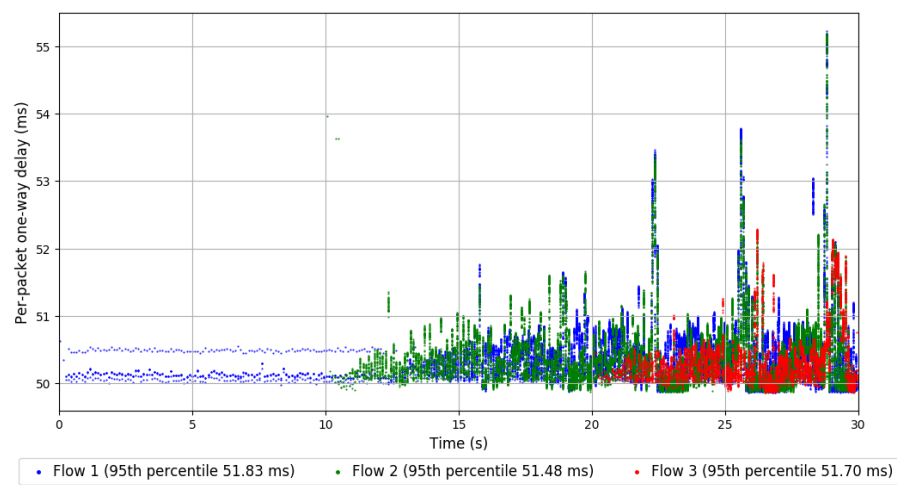
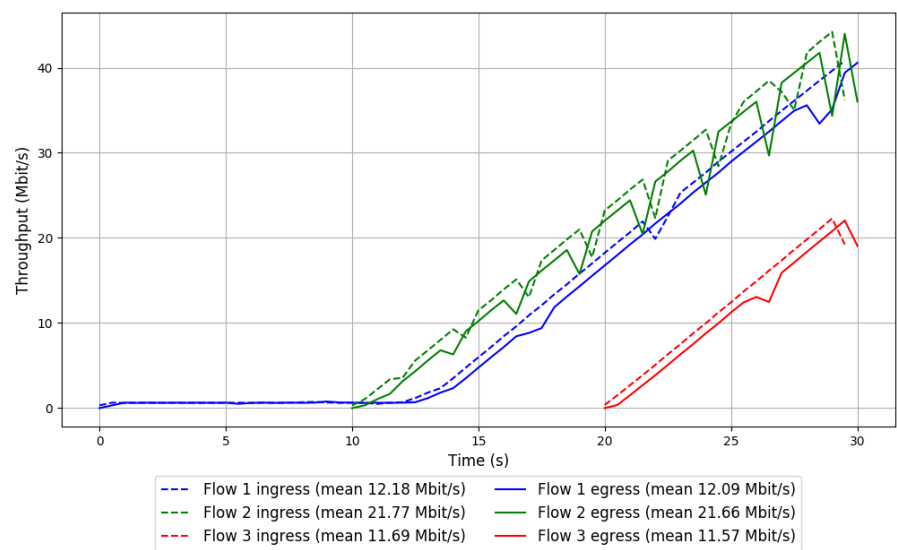


Run 3: Statistics of LEDBAT

Start at: 2018-08-04 01:22:26
End at: 2018-08-04 01:22:56
Local clock offset: 0.026 ms
Remote clock offset: -0.187 ms

Below is generated by plot.py at 2018-08-04 06:54:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.25 Mbit/s
95th percentile per-packet one-way delay: 51.629 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 12.09 Mbit/s
95th percentile per-packet one-way delay: 51.832 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 21.66 Mbit/s
95th percentile per-packet one-way delay: 51.482 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 11.57 Mbit/s
95th percentile per-packet one-way delay: 51.704 ms
Loss rate: 2.02%

Run 3: Report of LEDBAT — Data Link

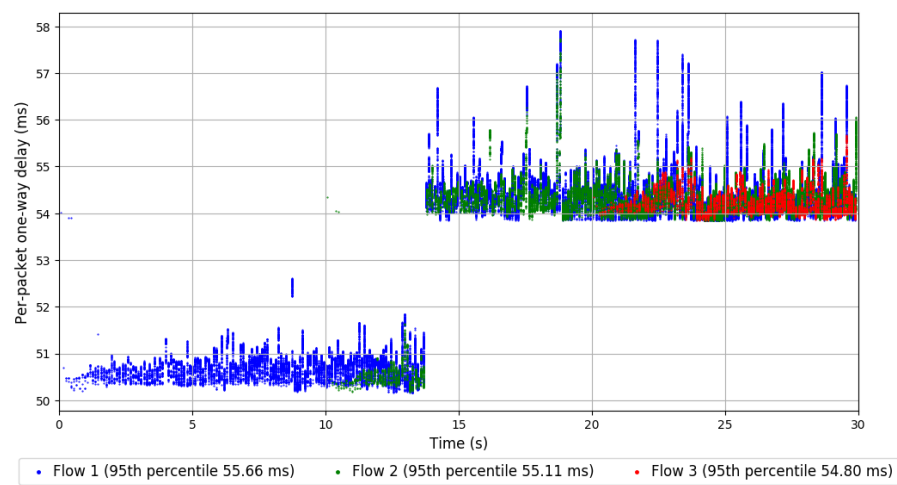
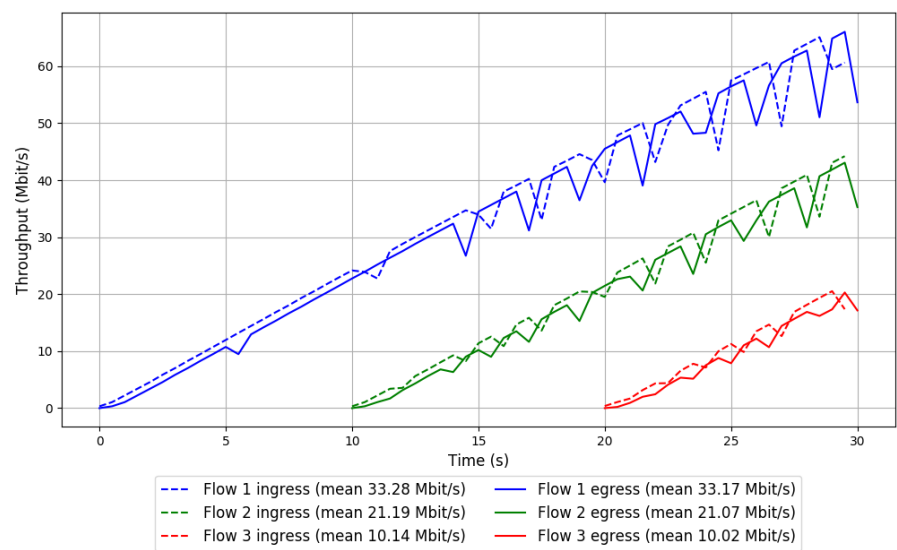


Run 4: Statistics of LEDBAT

Start at: 2018-08-04 01:47:48
End at: 2018-08-04 01:48:18
Local clock offset: 0.187 ms
Remote clock offset: -0.326 ms

Below is generated by plot.py at 2018-08-04 06:54:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.42 Mbit/s
95th percentile per-packet one-way delay: 55.354 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 33.17 Mbit/s
95th percentile per-packet one-way delay: 55.661 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 21.07 Mbit/s
95th percentile per-packet one-way delay: 55.106 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 10.02 Mbit/s
95th percentile per-packet one-way delay: 54.805 ms
Loss rate: 2.20%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-08-04 02:13:21

End at: 2018-08-04 02:13:51

Local clock offset: 0.042 ms

Remote clock offset: 0.075 ms

Below is generated by plot.py at 2018-08-04 06:54:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.46 Mbit/s

95th percentile per-packet one-way delay: 54.849 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 32.90 Mbit/s

95th percentile per-packet one-way delay: 55.014 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 19.88 Mbit/s

95th percentile per-packet one-way delay: 54.636 ms

Loss rate: 1.08%

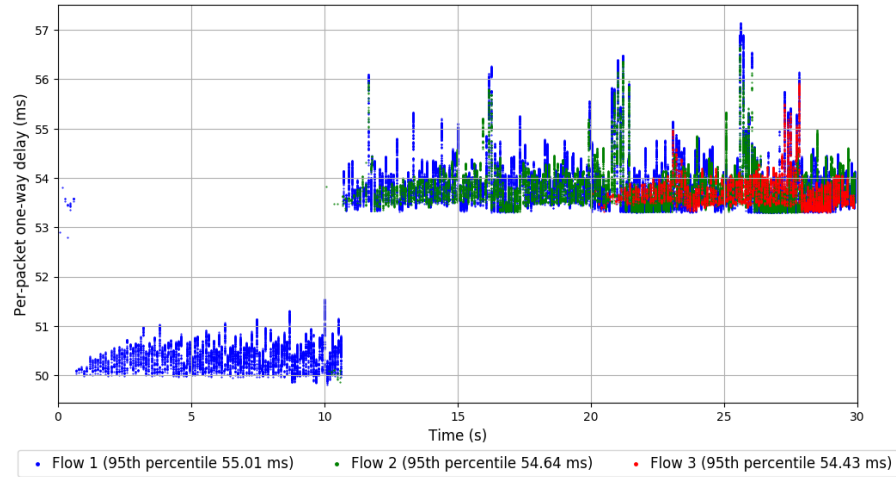
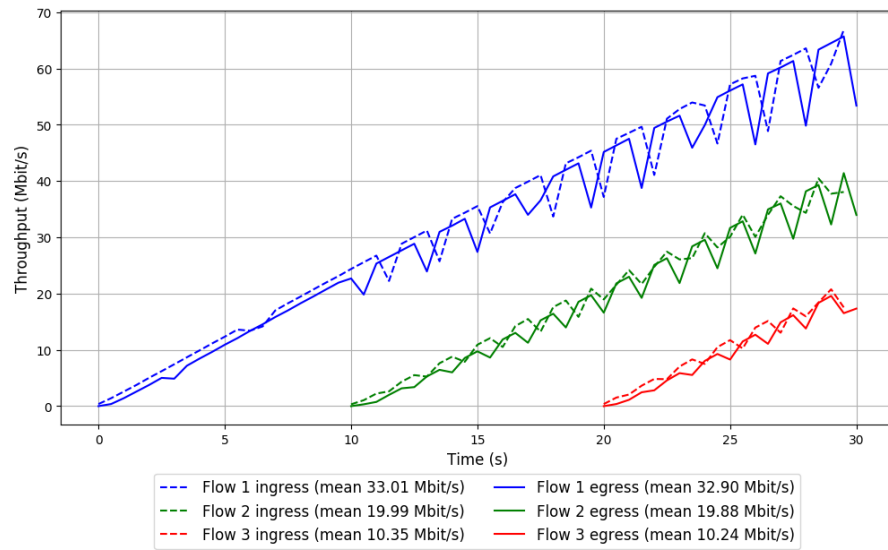
-- Flow 3:

Average throughput: 10.24 Mbit/s

95th percentile per-packet one-way delay: 54.426 ms

Loss rate: 2.18%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-08-04 02:38:30

End at: 2018-08-04 02:39:00

Local clock offset: 0.102 ms

Remote clock offset: 1.243 ms

Below is generated by plot.py at 2018-08-04 06:54:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 52.33 Mbit/s

95th percentile per-packet one-way delay: 53.288 ms

Loss rate: 0.86%

-- Flow 1:

Average throughput: 34.56 Mbit/s

95th percentile per-packet one-way delay: 53.333 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 22.02 Mbit/s

95th percentile per-packet one-way delay: 52.971 ms

Loss rate: 1.03%

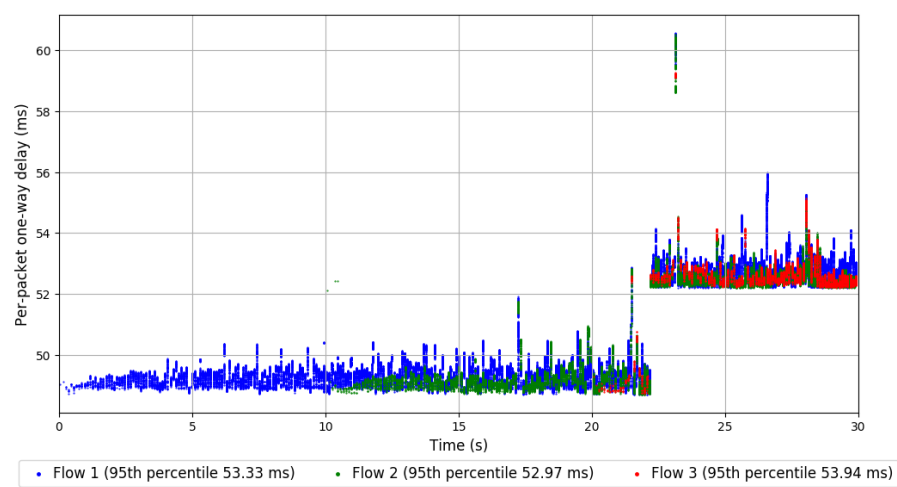
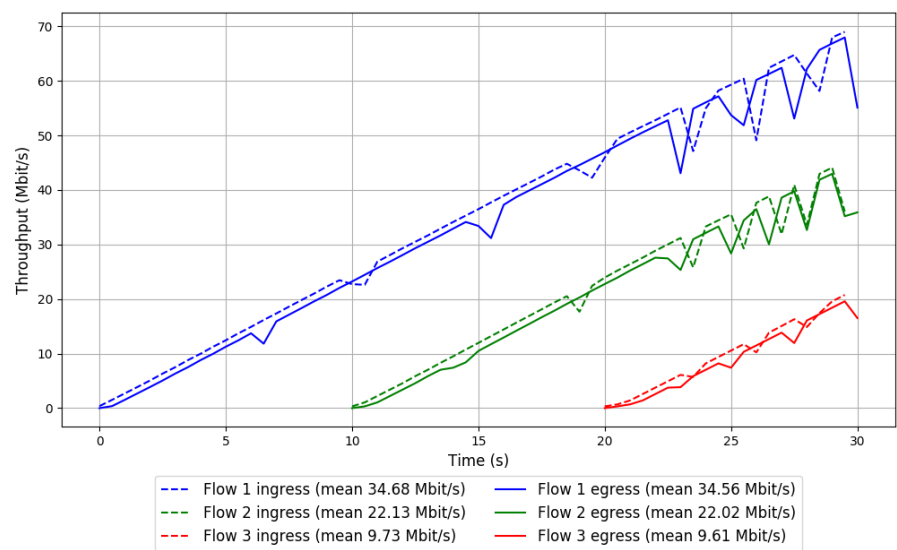
-- Flow 3:

Average throughput: 9.61 Mbit/s

95th percentile per-packet one-way delay: 53.936 ms

Loss rate: 2.19%

Run 6: Report of LEDBAT — Data Link

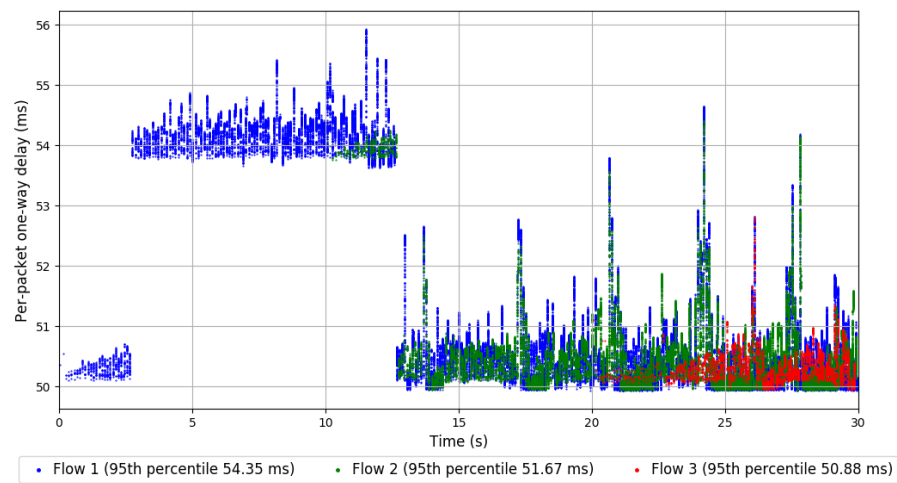
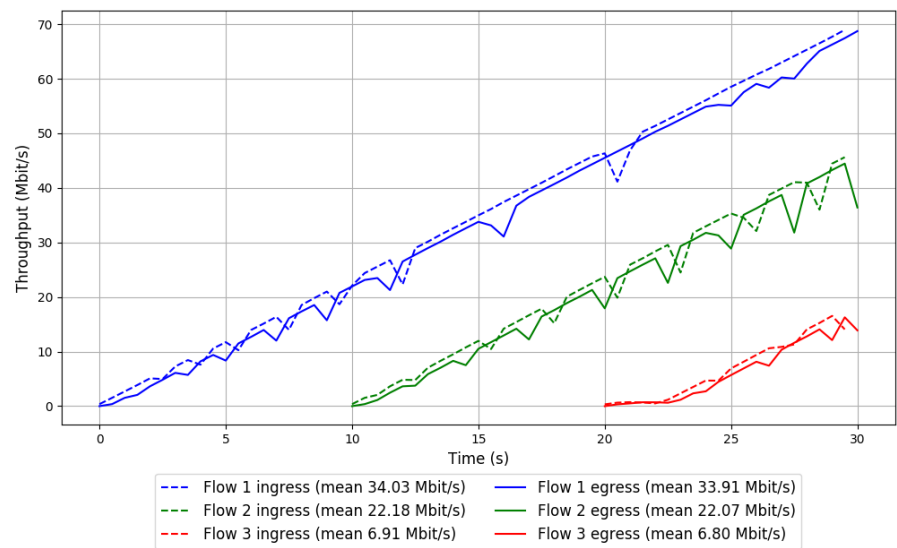


Run 7: Statistics of LEDBAT

Start at: 2018-08-04 03:03:59
End at: 2018-08-04 03:04:29
Local clock offset: 0.251 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-08-04 06:54:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.78 Mbit/s
95th percentile per-packet one-way delay: 54.241 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 33.91 Mbit/s
95th percentile per-packet one-way delay: 54.351 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 22.07 Mbit/s
95th percentile per-packet one-way delay: 51.672 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 6.80 Mbit/s
95th percentile per-packet one-way delay: 50.884 ms
Loss rate: 2.63%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-08-04 03:29:31

End at: 2018-08-04 03:30:01

Local clock offset: 0.036 ms

Remote clock offset: -0.21 ms

Below is generated by plot.py at 2018-08-04 06:54:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.92 Mbit/s

95th percentile per-packet one-way delay: 54.432 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 32.67 Mbit/s

95th percentile per-packet one-way delay: 54.524 ms

Loss rate: 0.69%

-- Flow 2:

Average throughput: 21.75 Mbit/s

95th percentile per-packet one-way delay: 54.326 ms

Loss rate: 1.05%

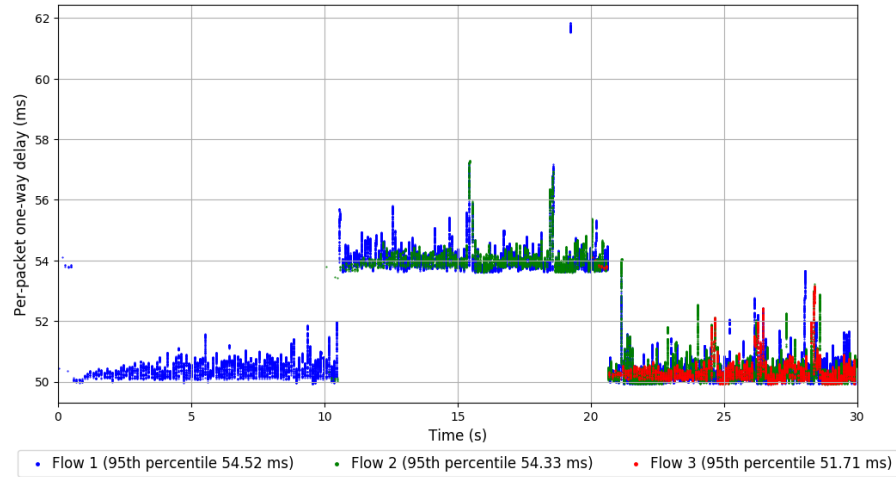
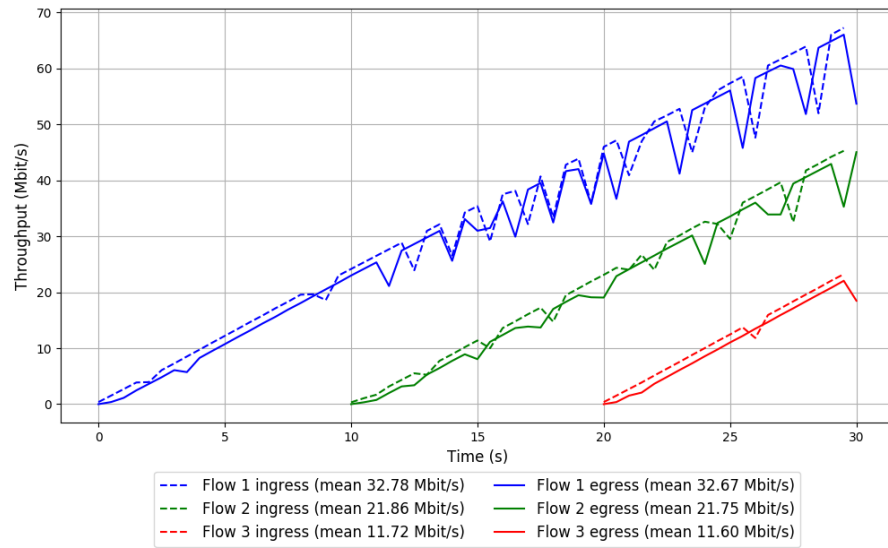
-- Flow 3:

Average throughput: 11.60 Mbit/s

95th percentile per-packet one-way delay: 51.708 ms

Loss rate: 2.04%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-08-04 03:54:11

End at: 2018-08-04 03:54:41

Local clock offset: 0.053 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-08-04 06:54:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.80 Mbit/s

95th percentile per-packet one-way delay: 54.335 ms

Loss rate: 0.90%

-- Flow 1:

Average throughput: 32.27 Mbit/s

95th percentile per-packet one-way delay: 54.427 ms

Loss rate: 0.70%

-- Flow 2:

Average throughput: 20.91 Mbit/s

95th percentile per-packet one-way delay: 54.092 ms

Loss rate: 1.07%

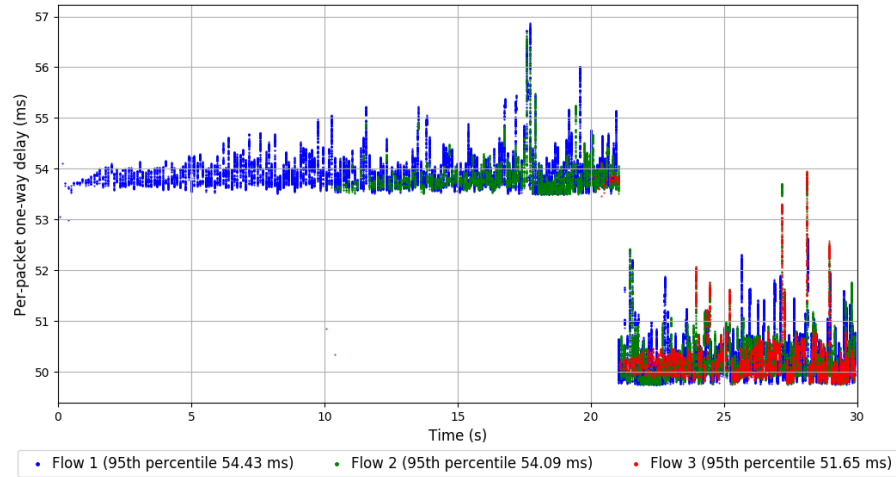
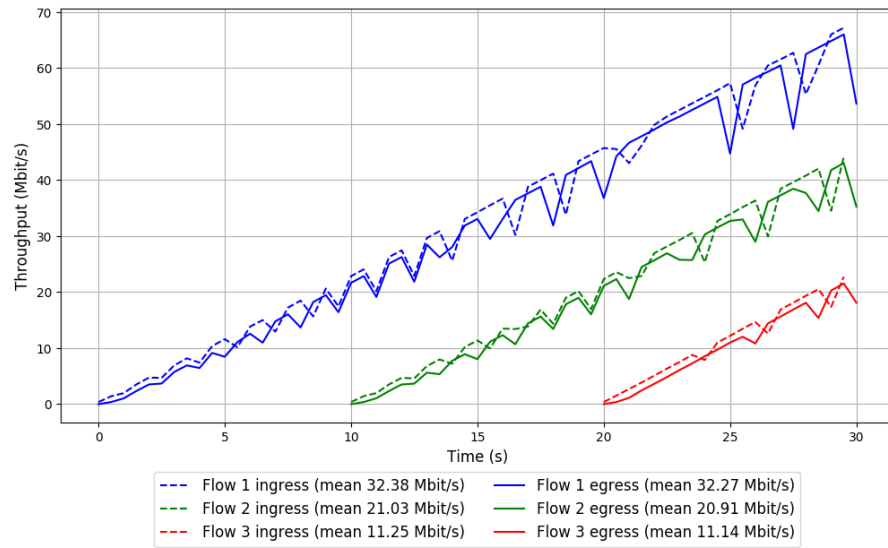
-- Flow 3:

Average throughput: 11.14 Mbit/s

95th percentile per-packet one-way delay: 51.648 ms

Loss rate: 2.08%

Run 9: Report of LEDBAT — Data Link

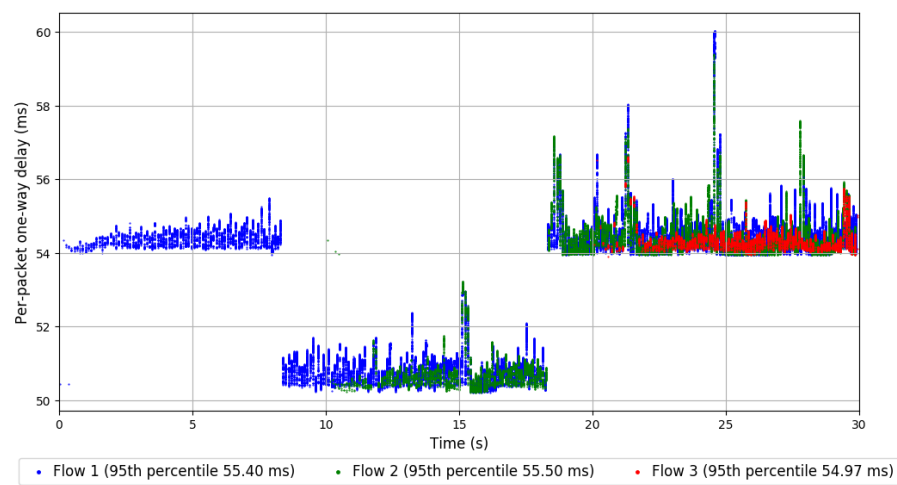
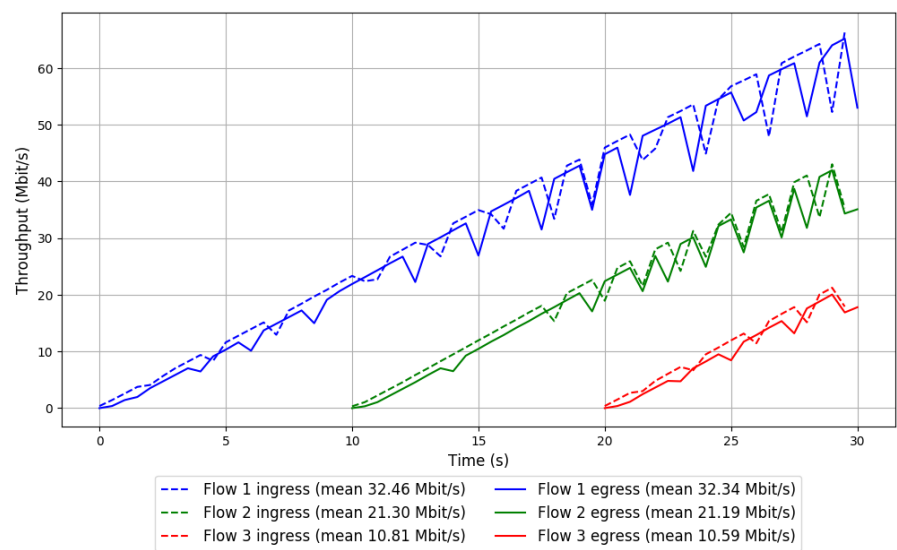


Run 10: Statistics of LEDBAT

Start at: 2018-08-04 04:19:43
End at: 2018-08-04 04:20:13
Local clock offset: 0.144 ms
Remote clock offset: -0.327 ms

Below is generated by plot.py at 2018-08-04 06:54:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.82 Mbit/s
95th percentile per-packet one-way delay: 55.398 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 32.34 Mbit/s
95th percentile per-packet one-way delay: 55.395 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 21.19 Mbit/s
95th percentile per-packet one-way delay: 55.503 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 10.59 Mbit/s
95th percentile per-packet one-way delay: 54.969 ms
Loss rate: 2.10%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-08-04 00:48:57

End at: 2018-08-04 00:49:27

Local clock offset: 0.114 ms

Remote clock offset: 1.148 ms

Below is generated by plot.py at 2018-08-04 06:58:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 715.28 Mbit/s

95th percentile per-packet one-way delay: 181.087 ms

Loss rate: 2.97%

-- Flow 1:

Average throughput: 650.24 Mbit/s

95th percentile per-packet one-way delay: 184.947 ms

Loss rate: 2.97%

-- Flow 2:

Average throughput: 68.15 Mbit/s

95th percentile per-packet one-way delay: 135.524 ms

Loss rate: 2.44%

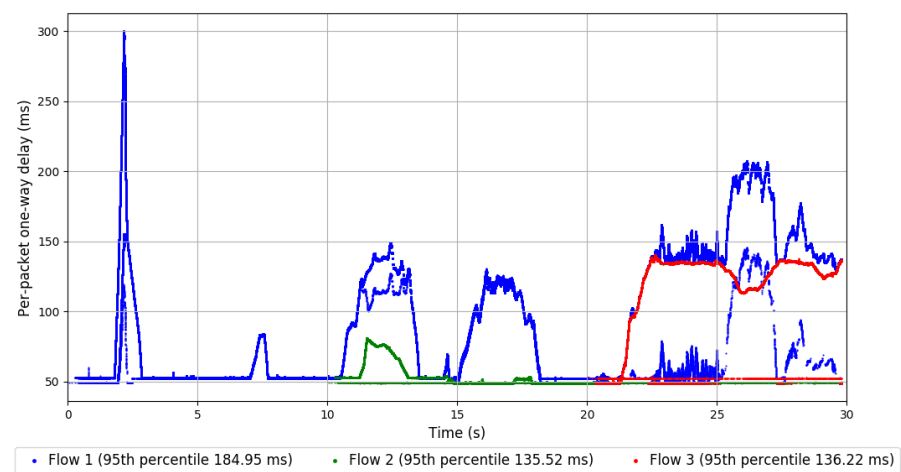
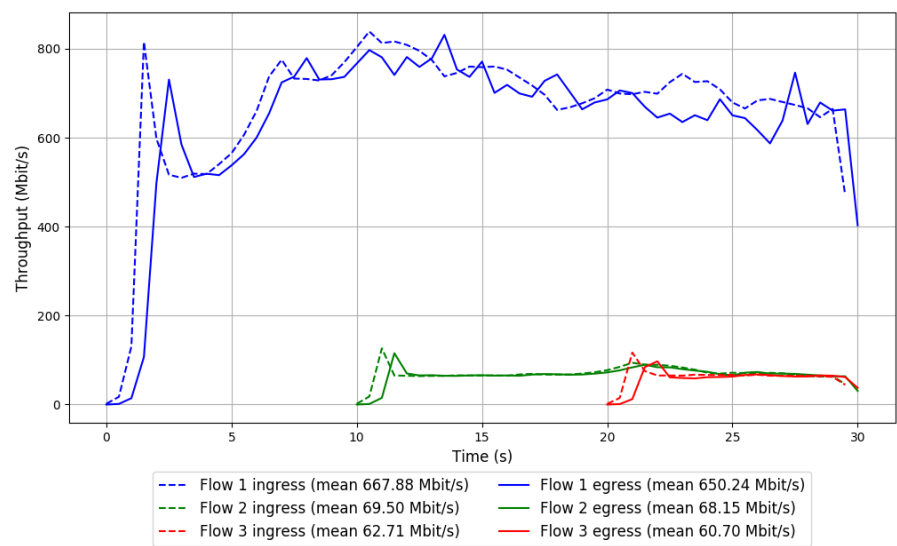
-- Flow 3:

Average throughput: 60.70 Mbit/s

95th percentile per-packet one-way delay: 136.219 ms

Loss rate: 4.23%

Run 1: Report of PCC-Allegro — Data Link

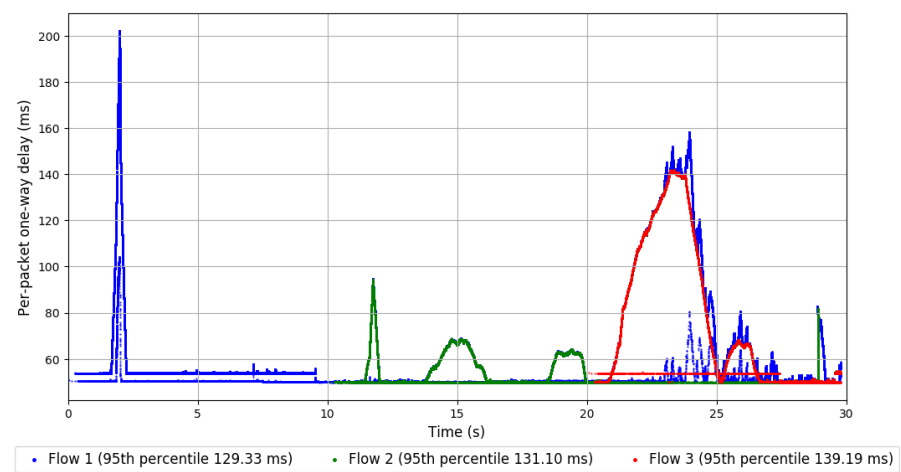
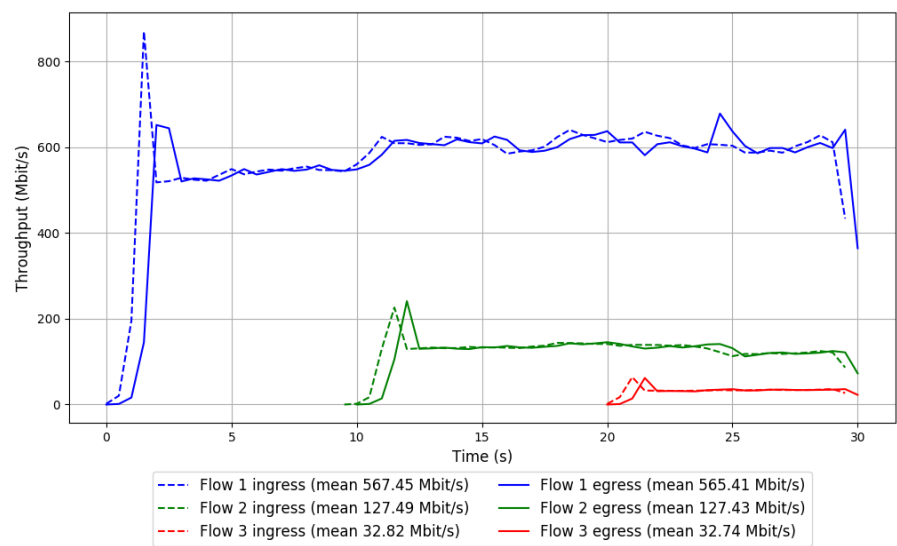


```
Run 2: Statistics of PCC-Allegro

Start at: 2018-08-04 01:14:22
End at: 2018-08-04 01:14:52
Local clock offset: 0.298 ms
Remote clock offset: 0.127 ms

# Below is generated by plot.py at 2018-08-04 06:58:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 660.70 Mbit/s
95th percentile per-packet one-way delay: 130.238 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 565.41 Mbit/s
95th percentile per-packet one-way delay: 129.328 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 127.43 Mbit/s
95th percentile per-packet one-way delay: 131.103 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 32.74 Mbit/s
95th percentile per-packet one-way delay: 139.194 ms
Loss rate: 1.33%
```

Run 2: Report of PCC-Allegro — Data Link

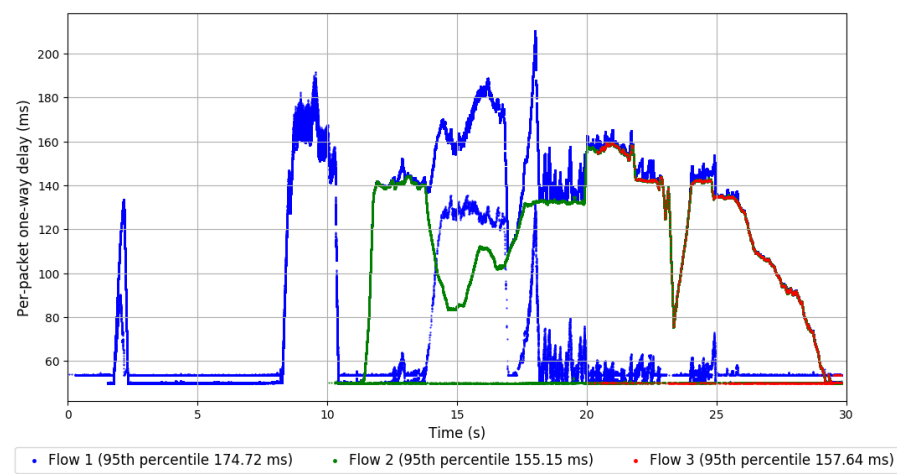
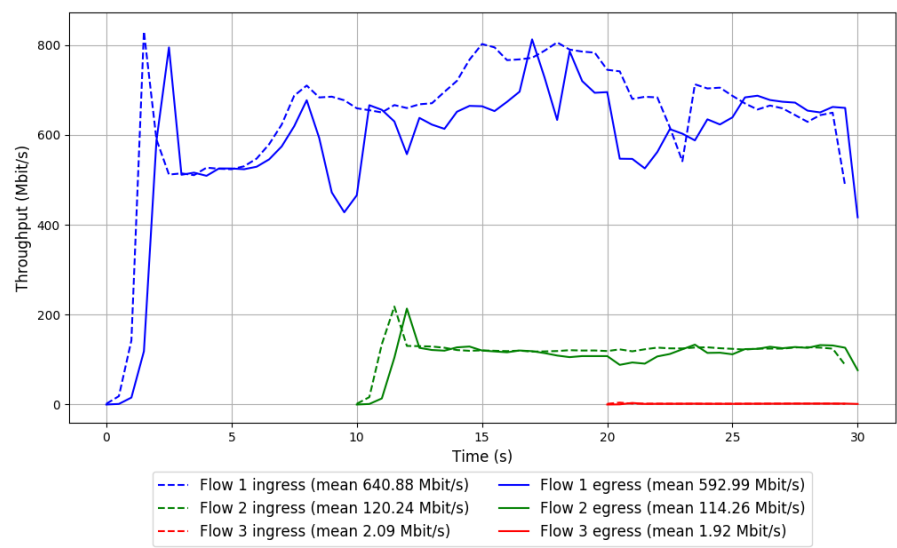


Run 3: Statistics of PCC-Allegro

Start at: 2018-08-04 01:40:00
End at: 2018-08-04 01:40:30
Local clock offset: 0.063 ms
Remote clock offset: -0.238 ms

Below is generated by plot.py at 2018-08-04 06:58:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 669.43 Mbit/s
95th percentile per-packet one-way delay: 172.940 ms
Loss rate: 7.54%
-- Flow 1:
Average throughput: 592.99 Mbit/s
95th percentile per-packet one-way delay: 174.720 ms
Loss rate: 7.80%
-- Flow 2:
Average throughput: 114.26 Mbit/s
95th percentile per-packet one-way delay: 155.146 ms
Loss rate: 5.46%
-- Flow 3:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 157.642 ms
Loss rate: 9.03%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-04 02:05:30

End at: 2018-08-04 02:06:00

Local clock offset: 0.01 ms

Remote clock offset: 0.98 ms

Below is generated by plot.py at 2018-08-04 06:58:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 685.20 Mbit/s

95th percentile per-packet one-way delay: 139.649 ms

Loss rate: 2.36%

-- Flow 1:

Average throughput: 642.03 Mbit/s

95th percentile per-packet one-way delay: 141.749 ms

Loss rate: 2.44%

-- Flow 2:

Average throughput: 33.82 Mbit/s

95th percentile per-packet one-way delay: 113.090 ms

Loss rate: 0.95%

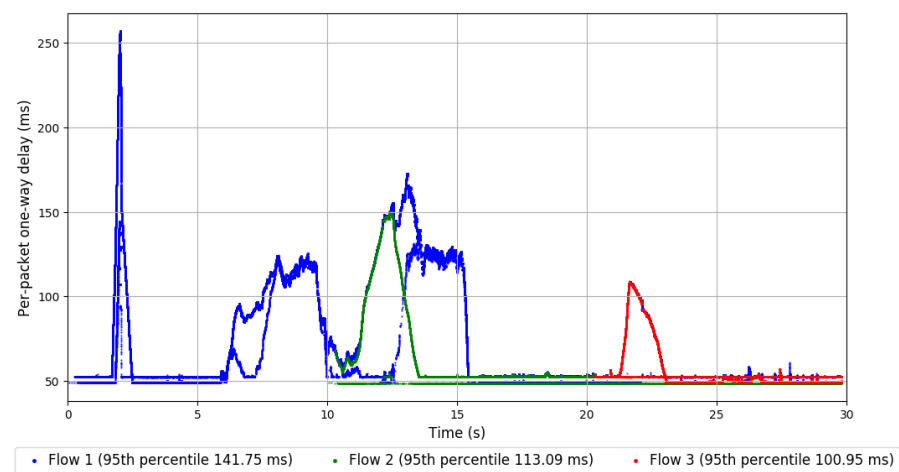
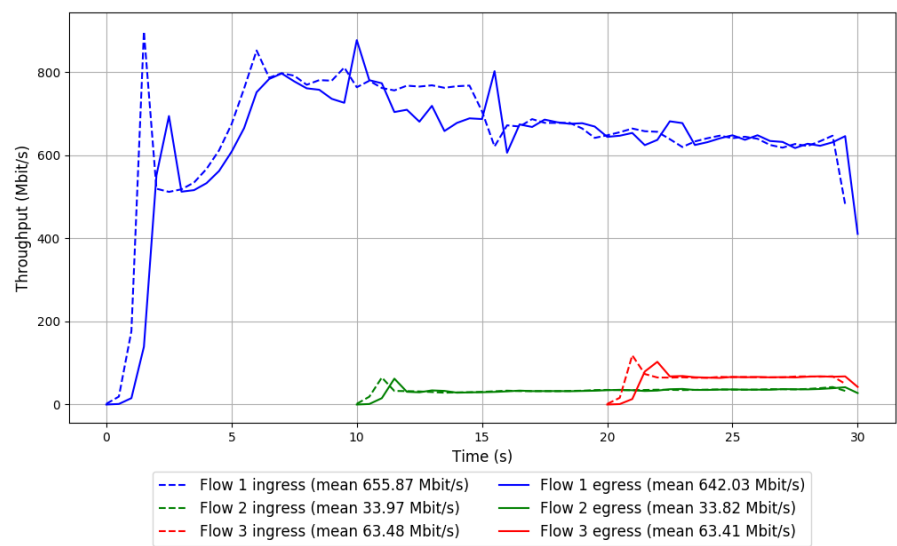
-- Flow 3:

Average throughput: 63.41 Mbit/s

95th percentile per-packet one-way delay: 100.952 ms

Loss rate: 1.15%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-04 02:30:44

End at: 2018-08-04 02:31:14

Local clock offset: 0.073 ms

Remote clock offset: 1.17 ms

Below is generated by plot.py at 2018-08-04 07:04:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 670.27 Mbit/s

95th percentile per-packet one-way delay: 159.852 ms

Loss rate: 3.20%

-- Flow 1:

Average throughput: 602.78 Mbit/s

95th percentile per-packet one-way delay: 165.393 ms

Loss rate: 3.13%

-- Flow 2:

Average throughput: 100.76 Mbit/s

95th percentile per-packet one-way delay: 142.523 ms

Loss rate: 3.78%

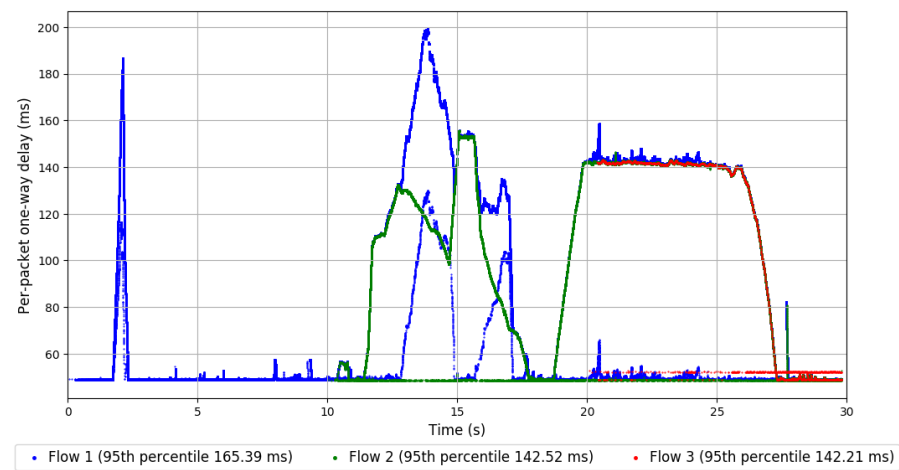
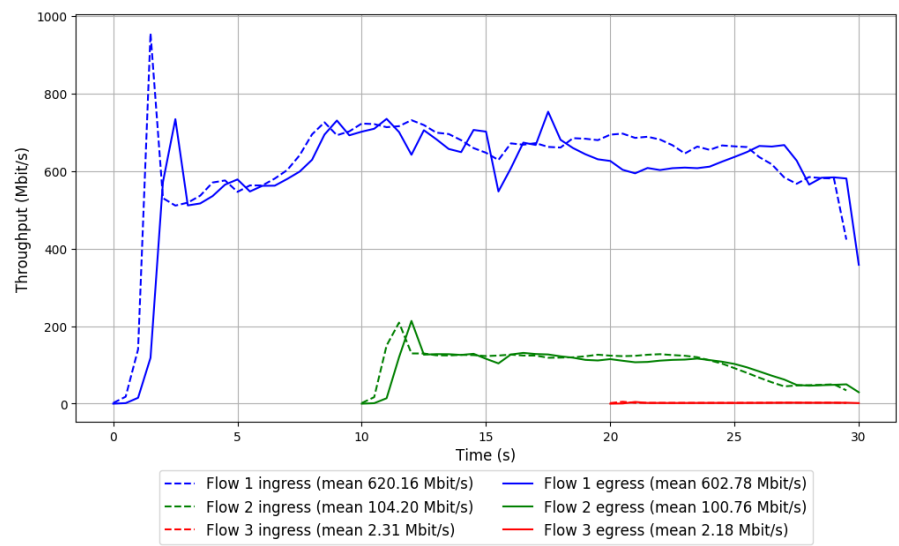
-- Flow 3:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 142.205 ms

Loss rate: 6.43%

Run 5: Report of PCC-Allegro — Data Link

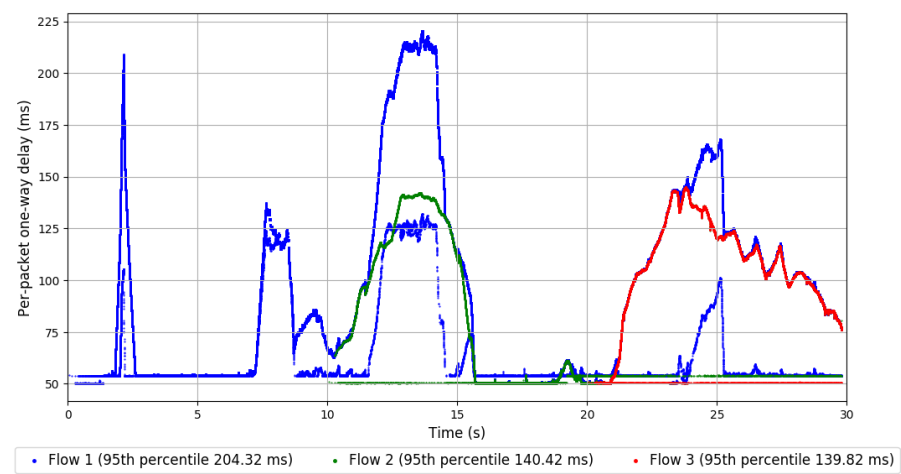
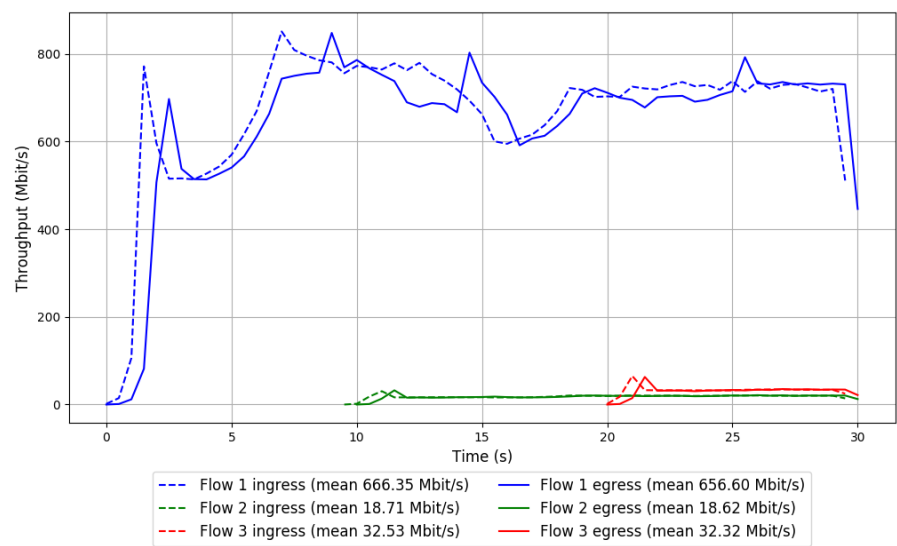


Run 6: Statistics of PCC-Allegro

Start at: 2018-08-04 02:56:10
End at: 2018-08-04 02:56:40
Local clock offset: 0.167 ms
Remote clock offset: -0.362 ms

Below is generated by plot.py at 2018-08-04 07:04:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 679.45 Mbit/s
95th percentile per-packet one-way delay: 201.602 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 656.60 Mbit/s
95th percentile per-packet one-way delay: 204.316 ms
Loss rate: 1.82%
-- Flow 2:
Average throughput: 18.62 Mbit/s
95th percentile per-packet one-way delay: 140.419 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 32.32 Mbit/s
95th percentile per-packet one-way delay: 139.819 ms
Loss rate: 1.70%

Run 6: Report of PCC-Allegro — Data Link

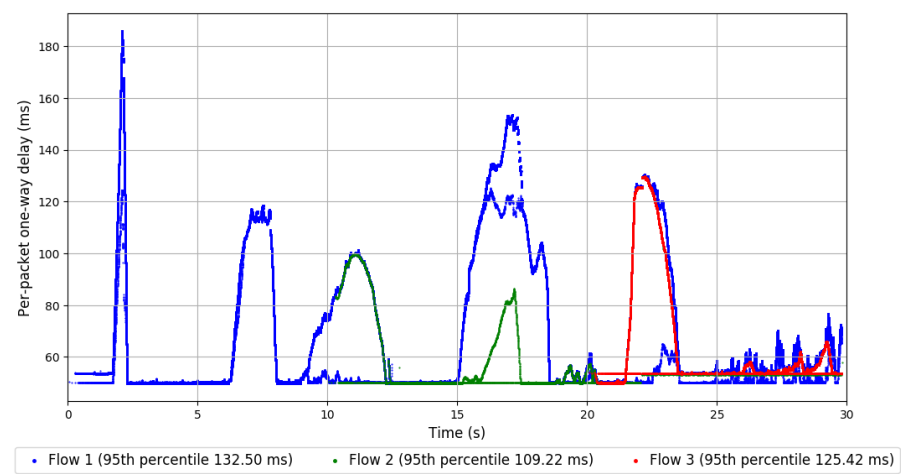
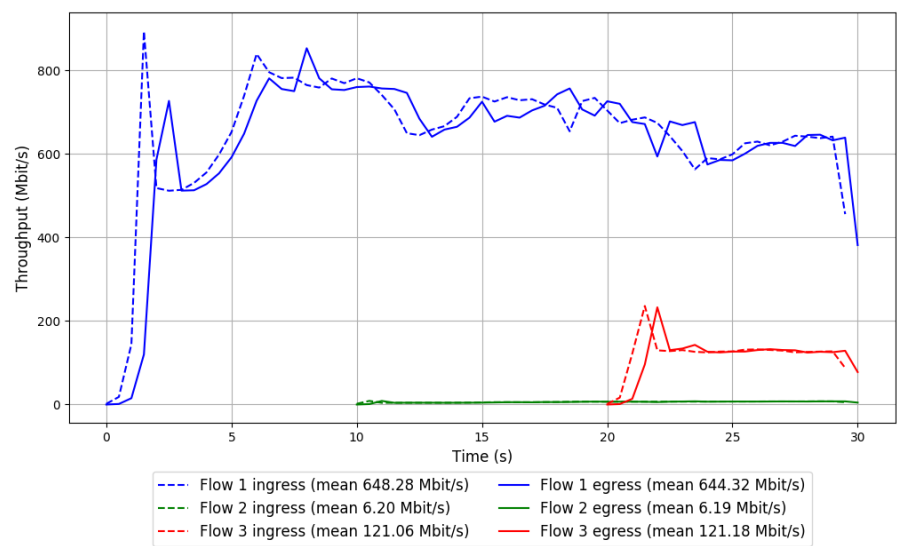


Run 7: Statistics of PCC-Allegro

Start at: 2018-08-04 03:21:40
End at: 2018-08-04 03:22:10
Local clock offset: -0.1 ms
Remote clock offset: -0.235 ms

Below is generated by plot.py at 2018-08-04 07:05:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 688.00 Mbit/s
95th percentile per-packet one-way delay: 130.343 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 644.32 Mbit/s
95th percentile per-packet one-way delay: 132.497 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 6.19 Mbit/s
95th percentile per-packet one-way delay: 109.221 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 121.18 Mbit/s
95th percentile per-packet one-way delay: 125.417 ms
Loss rate: 1.00%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-04 03:46:40

End at: 2018-08-04 03:47:10

Local clock offset: -0.134 ms

Remote clock offset: 1.389 ms

Below is generated by plot.py at 2018-08-04 07:05:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 660.02 Mbit/s

95th percentile per-packet one-way delay: 153.919 ms

Loss rate: 5.53%

-- Flow 1:

Average throughput: 520.44 Mbit/s

95th percentile per-packet one-way delay: 155.026 ms

Loss rate: 5.24%

-- Flow 2:

Average throughput: 209.21 Mbit/s

95th percentile per-packet one-way delay: 150.953 ms

Loss rate: 6.61%

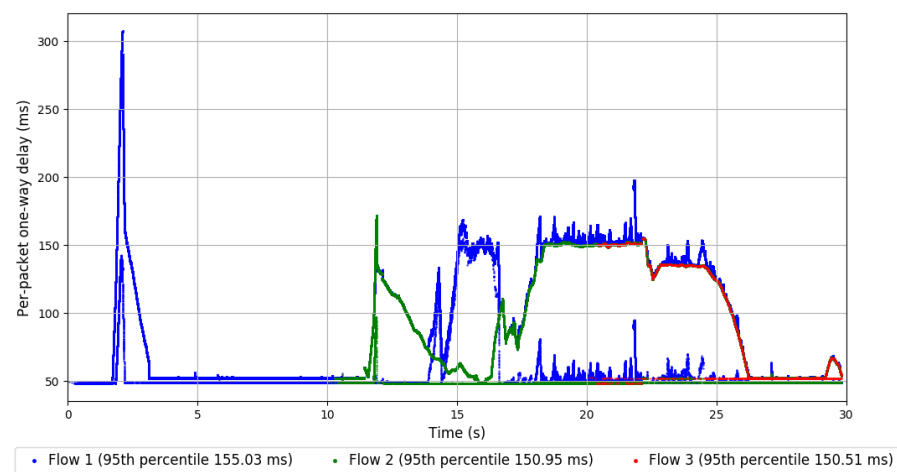
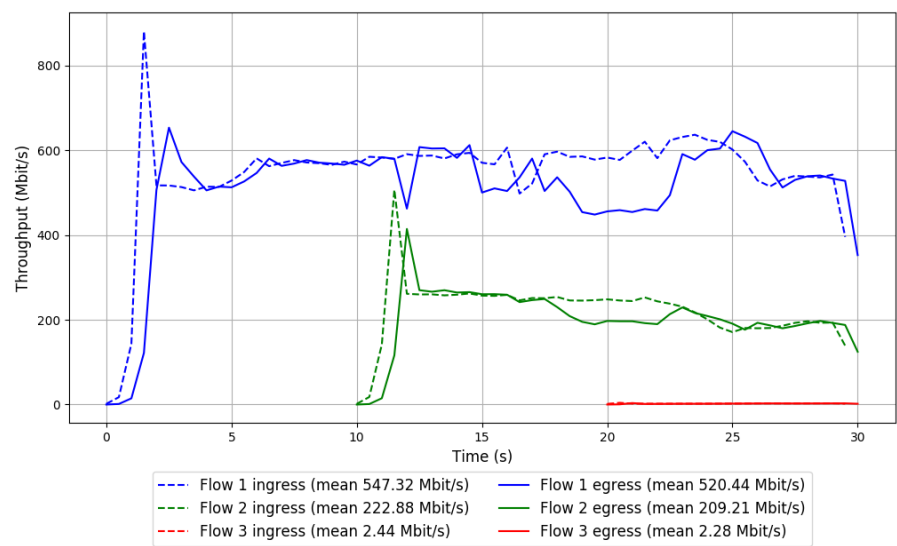
-- Flow 3:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 150.514 ms

Loss rate: 7.41%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-04 04:11:50

End at: 2018-08-04 04:12:20

Local clock offset: -0.013 ms

Remote clock offset: 1.24 ms

Below is generated by plot.py at 2018-08-04 07:08:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 655.91 Mbit/s

95th percentile per-packet one-way delay: 160.878 ms

Loss rate: 2.95%

-- Flow 1:

Average throughput: 513.13 Mbit/s

95th percentile per-packet one-way delay: 169.915 ms

Loss rate: 3.42%

-- Flow 2:

Average throughput: 159.56 Mbit/s

95th percentile per-packet one-way delay: 140.871 ms

Loss rate: 1.23%

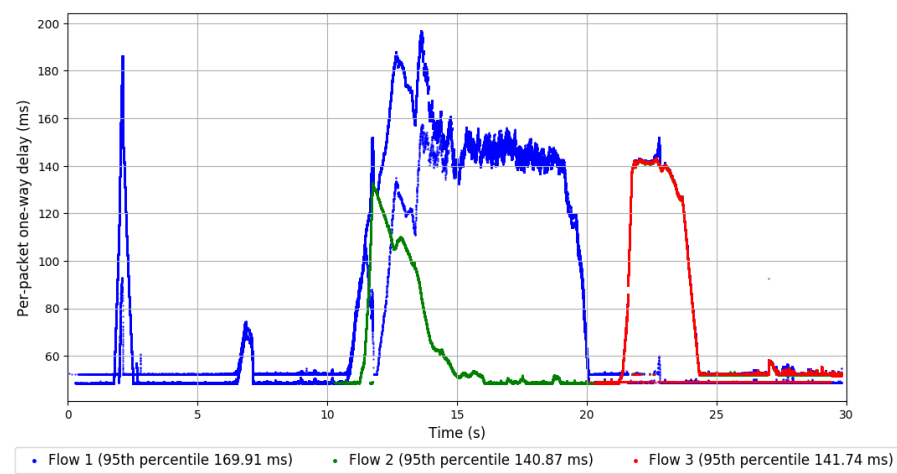
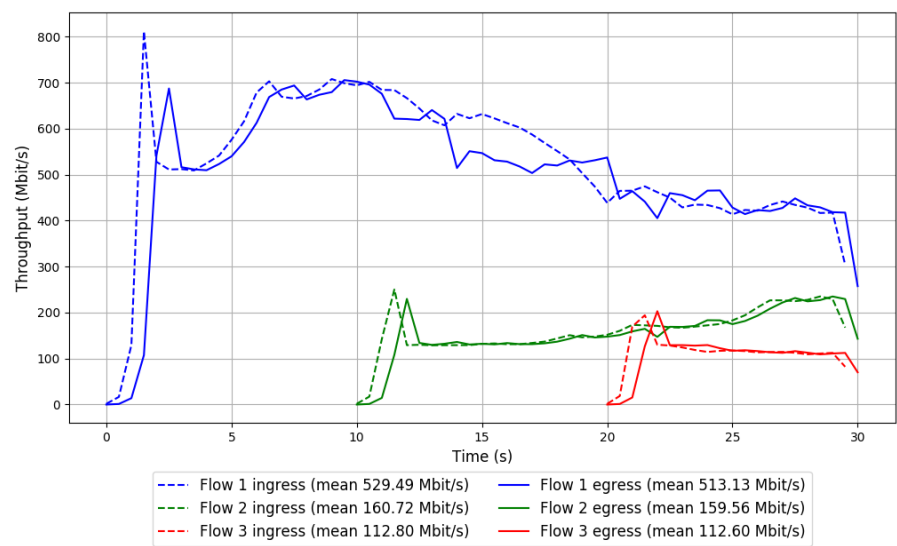
-- Flow 3:

Average throughput: 112.60 Mbit/s

95th percentile per-packet one-way delay: 141.744 ms

Loss rate: 1.20%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-04 04:37:10

End at: 2018-08-04 04:37:40

Local clock offset: 0.077 ms

Remote clock offset: -0.27 ms

Below is generated by plot.py at 2018-08-04 07:09:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 651.52 Mbit/s

95th percentile per-packet one-way delay: 149.038 ms

Loss rate: 2.13%

-- Flow 1:

Average throughput: 534.97 Mbit/s

95th percentile per-packet one-way delay: 150.734 ms

Loss rate: 2.08%

-- Flow 2:

Average throughput: 139.99 Mbit/s

95th percentile per-packet one-way delay: 144.498 ms

Loss rate: 1.94%

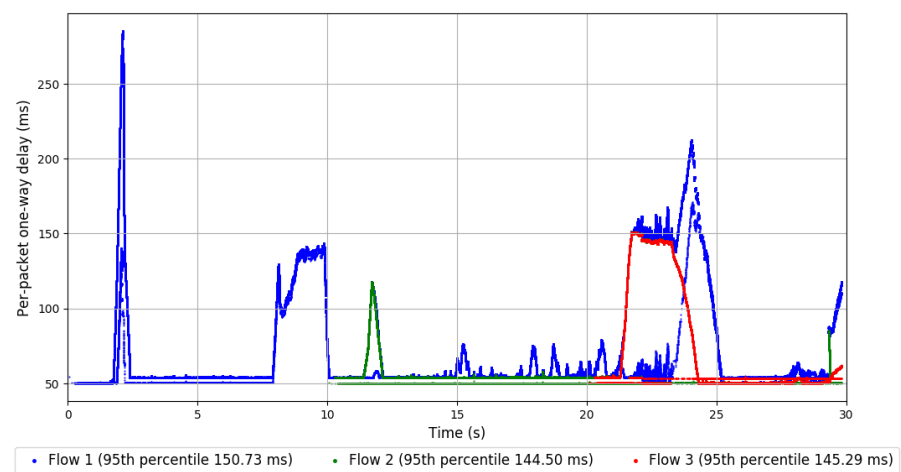
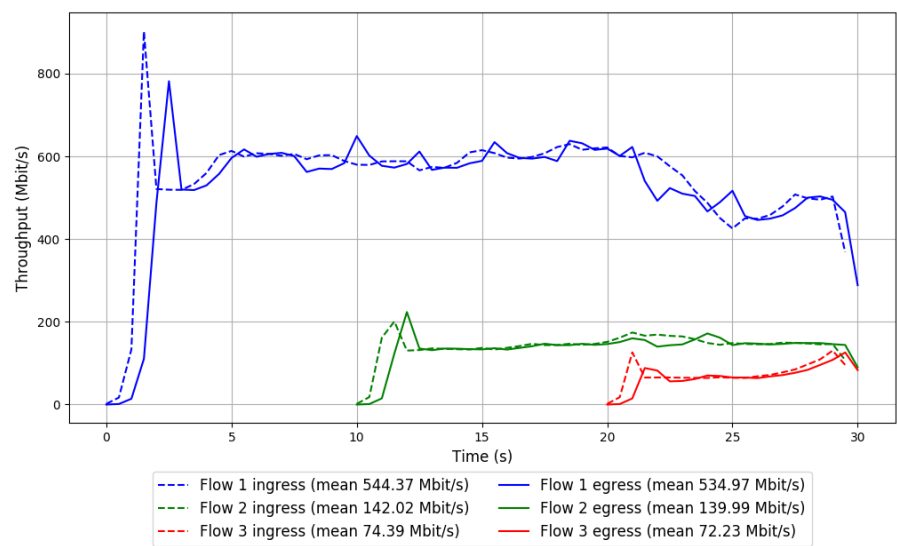
-- Flow 3:

Average throughput: 72.23 Mbit/s

95th percentile per-packet one-way delay: 145.289 ms

Loss rate: 3.92%

Run 10: Report of PCC-Allegro — Data Link

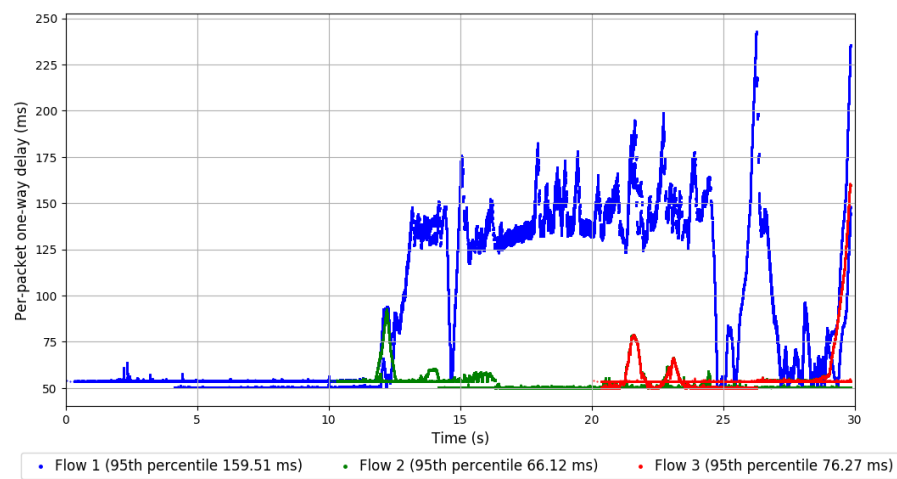
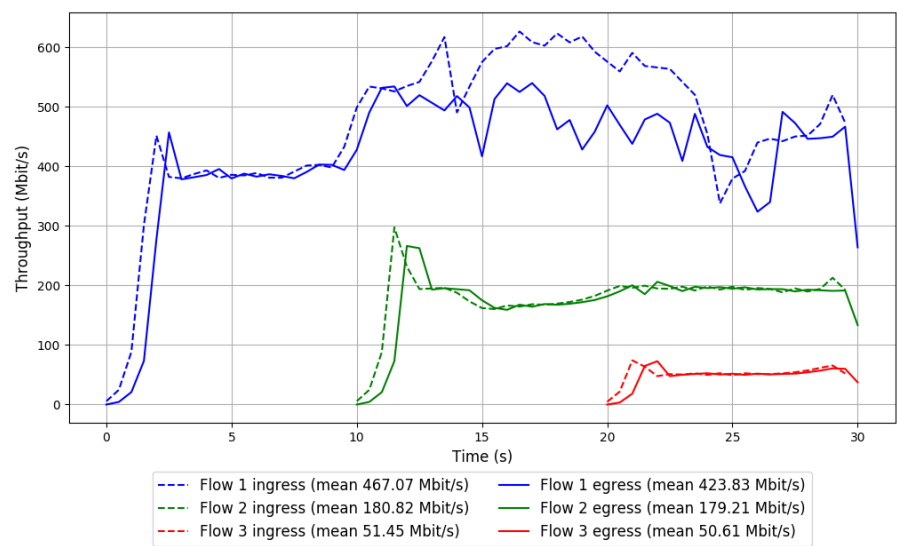


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-04 00:45:55
End at: 2018-08-04 00:46:25
Local clock offset: 0.084 ms
Remote clock offset: -0.165 ms

# Below is generated by plot.py at 2018-08-04 07:16:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 559.39 Mbit/s
95th percentile per-packet one-way delay: 155.980 ms
Loss rate: 7.77%
-- Flow 1:
Average throughput: 423.83 Mbit/s
95th percentile per-packet one-way delay: 159.507 ms
Loss rate: 9.59%
-- Flow 2:
Average throughput: 179.21 Mbit/s
95th percentile per-packet one-way delay: 66.117 ms
Loss rate: 1.44%
-- Flow 3:
Average throughput: 50.61 Mbit/s
95th percentile per-packet one-way delay: 76.269 ms
Loss rate: 2.71%
```


Run 1: Report of PCC-Expr — Data Link

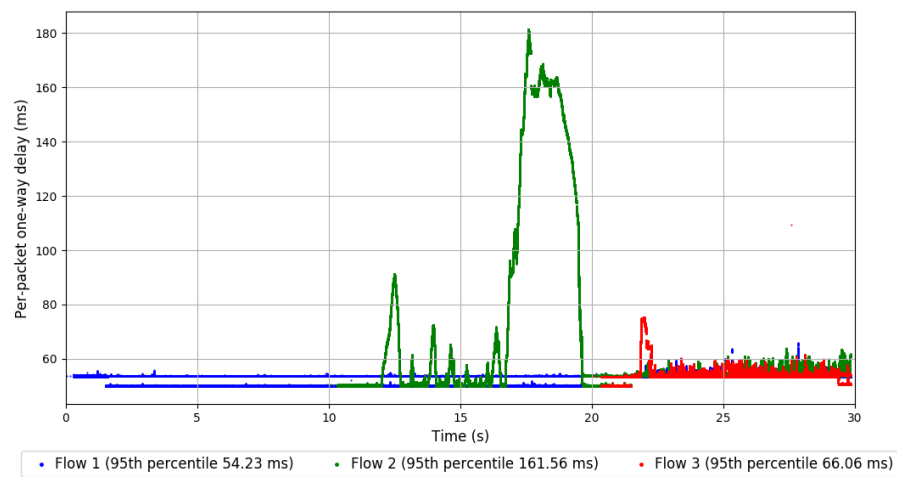
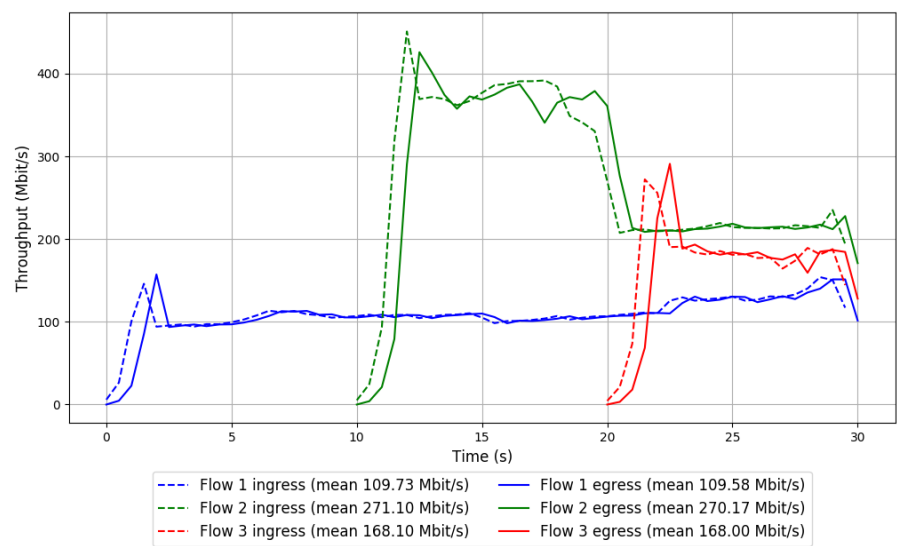


```
Run 2: Statistics of PCC-Expr

Start at: 2018-08-04 01:11:30
End at: 2018-08-04 01:12:00
Local clock offset: 0.173 ms
Remote clock offset: -0.021 ms

# Below is generated by plot.py at 2018-08-04 07:16:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 344.06 Mbit/s
95th percentile per-packet one-way delay: 155.144 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 109.58 Mbit/s
95th percentile per-packet one-way delay: 54.227 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 270.17 Mbit/s
95th percentile per-packet one-way delay: 161.560 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 168.00 Mbit/s
95th percentile per-packet one-way delay: 66.055 ms
Loss rate: 1.12%
```

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-08-04 01:37:00

End at: 2018-08-04 01:37:30

Local clock offset: 0.114 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-08-04 07:17:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 433.42 Mbit/s

95th percentile per-packet one-way delay: 135.026 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 319.46 Mbit/s

95th percentile per-packet one-way delay: 139.814 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 139.12 Mbit/s

95th percentile per-packet one-way delay: 71.565 ms

Loss rate: 1.38%

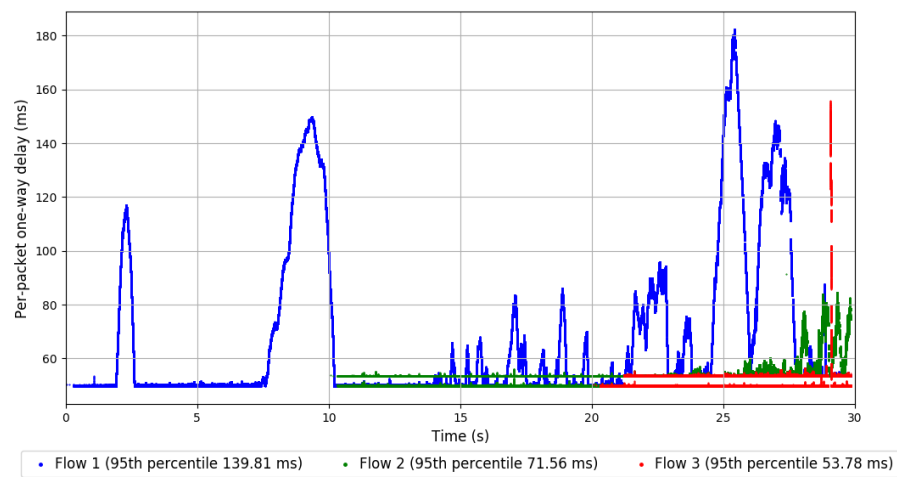
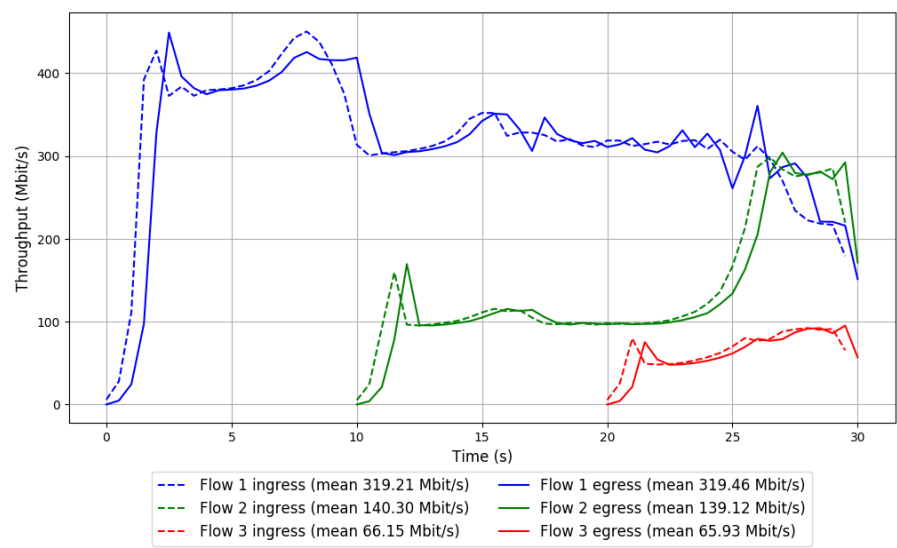
-- Flow 3:

Average throughput: 65.93 Mbit/s

95th percentile per-packet one-way delay: 53.782 ms

Loss rate: 1.37%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-08-04 02:02:35

End at: 2018-08-04 02:03:05

Local clock offset: 0.05 ms

Remote clock offset: 1.017 ms

Below is generated by plot.py at 2018-08-04 07:17:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 368.32 Mbit/s

95th percentile per-packet one-way delay: 173.194 ms

Loss rate: 1.25%

-- Flow 1:

Average throughput: 161.60 Mbit/s

95th percentile per-packet one-way delay: 147.816 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 293.21 Mbit/s

95th percentile per-packet one-way delay: 179.594 ms

Loss rate: 1.84%

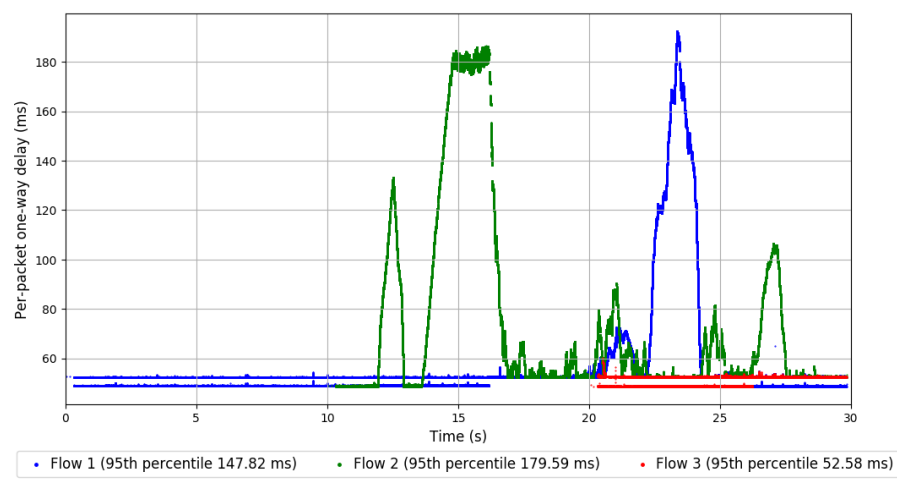
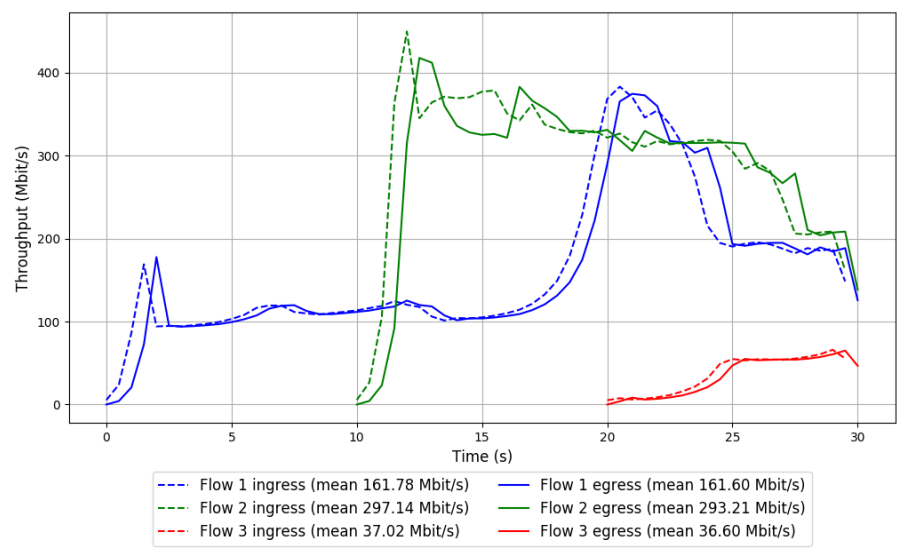
-- Flow 3:

Average throughput: 36.60 Mbit/s

95th percentile per-packet one-way delay: 52.584 ms

Loss rate: 2.20%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-08-04 02:28:01

End at: 2018-08-04 02:28:31

Local clock offset: 0.077 ms

Remote clock offset: 1.172 ms

Below is generated by plot.py at 2018-08-04 07:17:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 230.95 Mbit/s

95th percentile per-packet one-way delay: 218.269 ms

Loss rate: 3.77%

-- Flow 1:

Average throughput: 88.47 Mbit/s

95th percentile per-packet one-way delay: 52.384 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 87.45 Mbit/s

95th percentile per-packet one-way delay: 52.405 ms

Loss rate: 0.32%

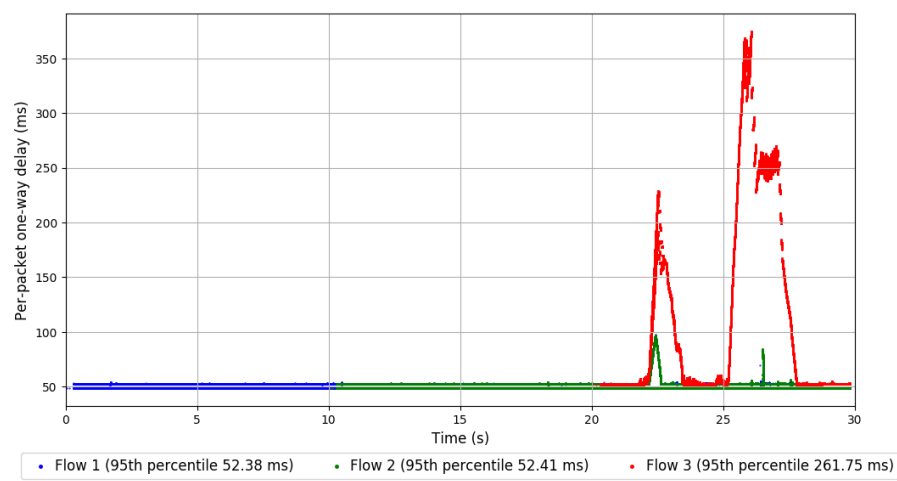
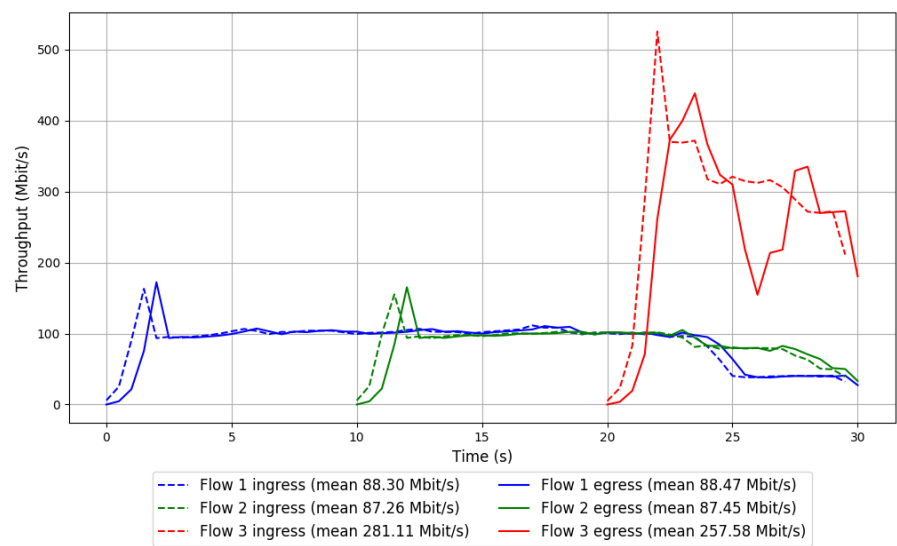
-- Flow 3:

Average throughput: 257.58 Mbit/s

95th percentile per-packet one-way delay: 261.755 ms

Loss rate: 9.36%

Run 5: Report of PCC-Expr — Data Link

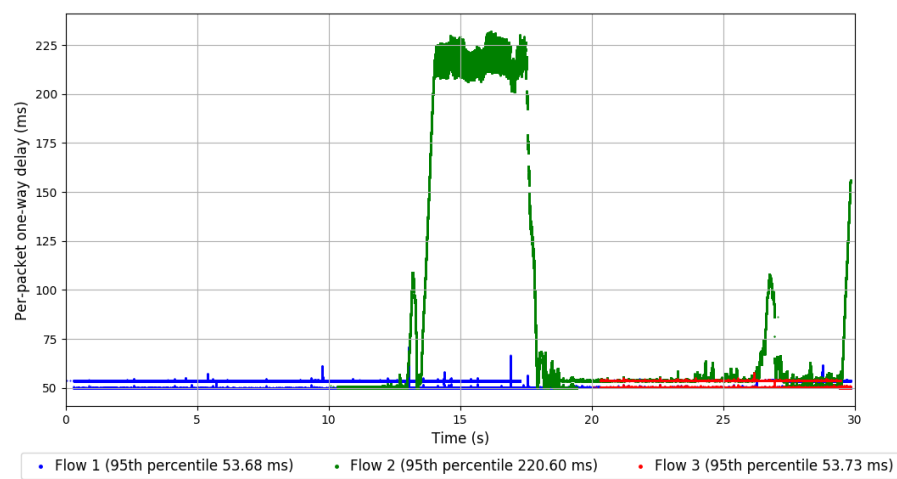
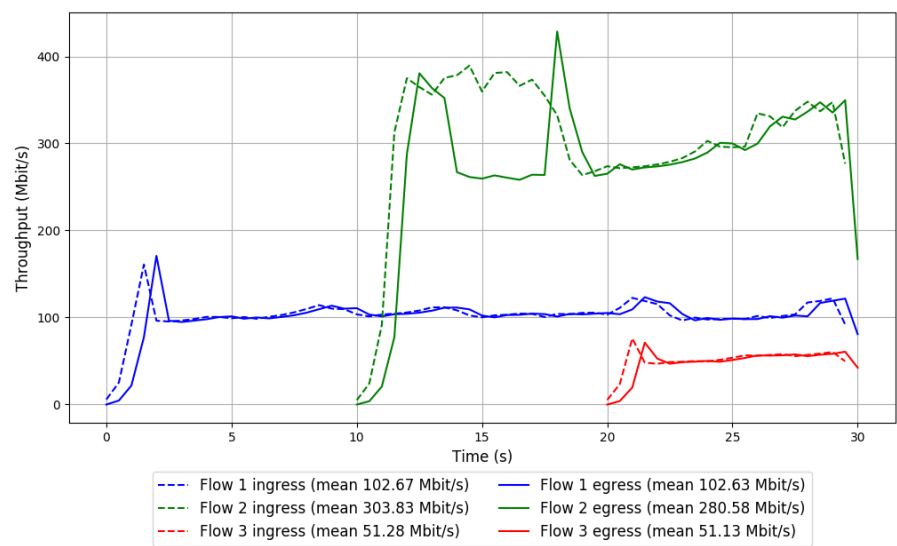


Run 6: Statistics of PCC-Expr

Start at: 2018-08-04 02:53:22
End at: 2018-08-04 02:53:52
Local clock offset: 0.033 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2018-08-04 07:17:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 305.66 Mbit/s
95th percentile per-packet one-way delay: 217.156 ms
Loss rate: 5.30%
-- Flow 1:
Average throughput: 102.63 Mbit/s
95th percentile per-packet one-way delay: 53.681 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 280.58 Mbit/s
95th percentile per-packet one-way delay: 220.597 ms
Loss rate: 8.12%
-- Flow 3:
Average throughput: 51.13 Mbit/s
95th percentile per-packet one-way delay: 53.725 ms
Loss rate: 1.33%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-08-04 03:18:38

End at: 2018-08-04 03:19:08

Local clock offset: 0.304 ms

Remote clock offset: 0.148 ms

Below is generated by plot.py at 2018-08-04 07:26:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 538.39 Mbit/s

95th percentile per-packet one-way delay: 210.413 ms

Loss rate: 8.50%

-- Flow 1:

Average throughput: 402.33 Mbit/s

95th percentile per-packet one-way delay: 218.206 ms

Loss rate: 8.97%

-- Flow 2:

Average throughput: 202.41 Mbit/s

95th percentile per-packet one-way delay: 146.856 ms

Loss rate: 7.00%

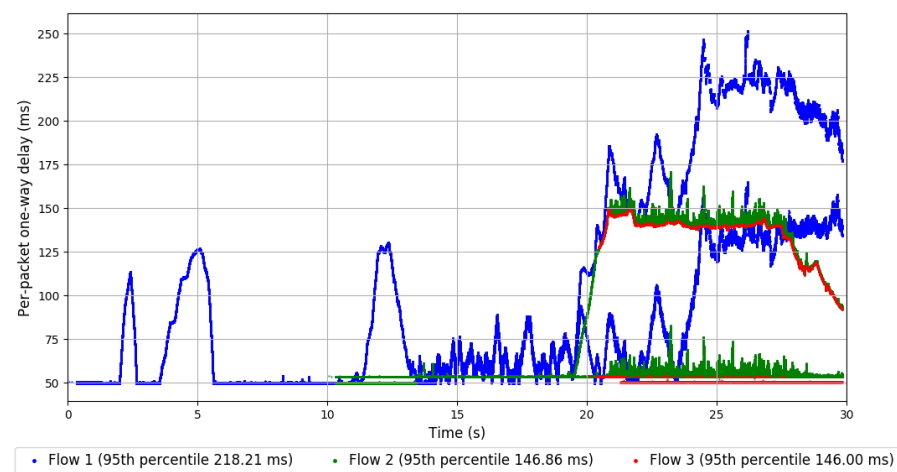
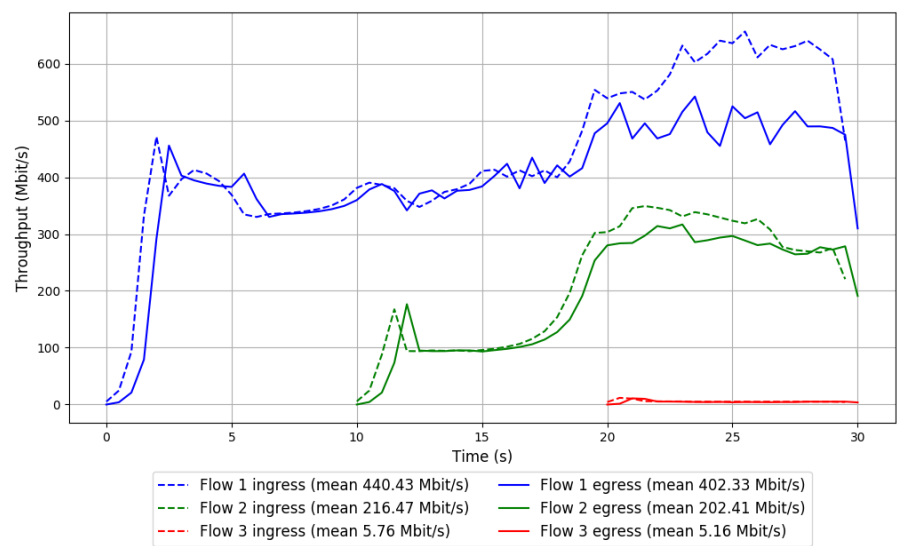
-- Flow 3:

Average throughput: 5.16 Mbit/s

95th percentile per-packet one-way delay: 146.004 ms

Loss rate: 11.46%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-08-04 03:43:58

End at: 2018-08-04 03:44:28

Local clock offset: 0.02 ms

Remote clock offset: -0.24 ms

Below is generated by plot.py at 2018-08-04 07:26:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 216.52 Mbit/s

95th percentile per-packet one-way delay: 53.855 ms

Loss rate: 1.12%

-- Flow 1:

Average throughput: 112.22 Mbit/s

95th percentile per-packet one-way delay: 63.530 ms

Loss rate: 1.14%

-- Flow 2:

Average throughput: 108.96 Mbit/s

95th percentile per-packet one-way delay: 53.770 ms

Loss rate: 0.99%

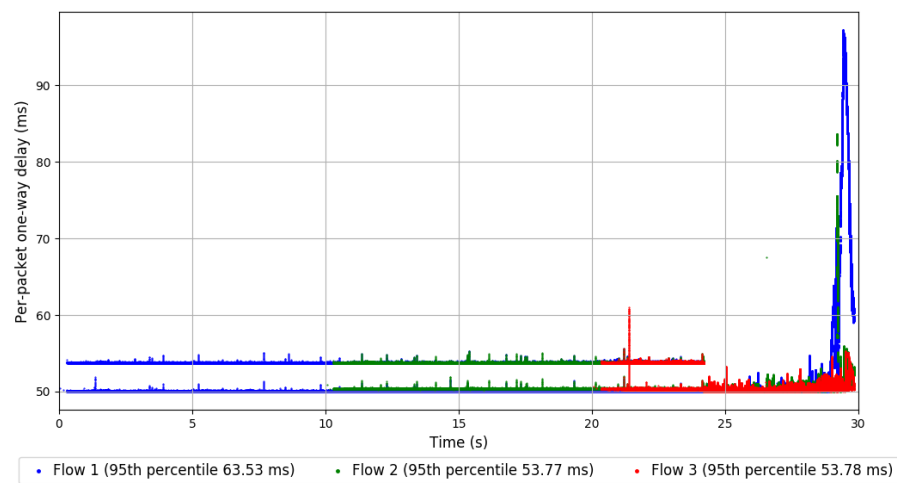
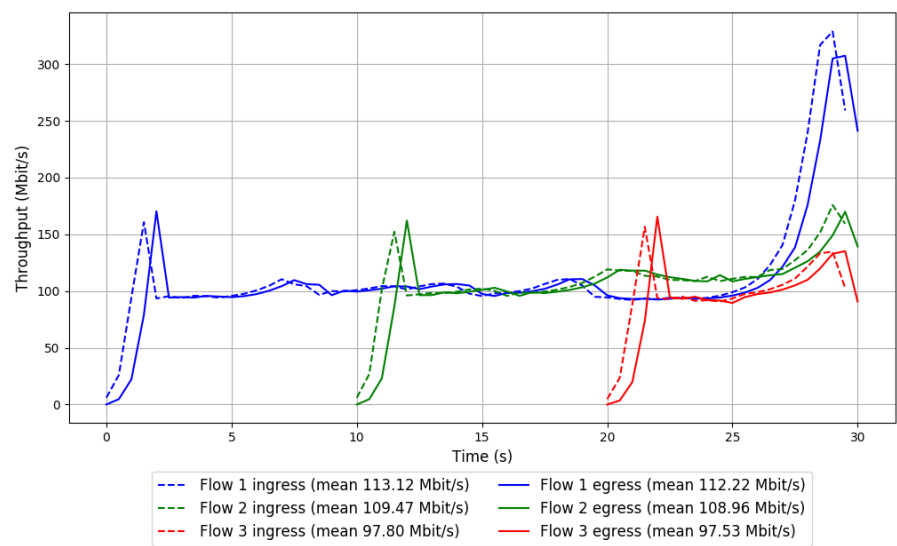
-- Flow 3:

Average throughput: 97.53 Mbit/s

95th percentile per-packet one-way delay: 53.779 ms

Loss rate: 1.32%

Run 8: Report of PCC-Expr — Data Link

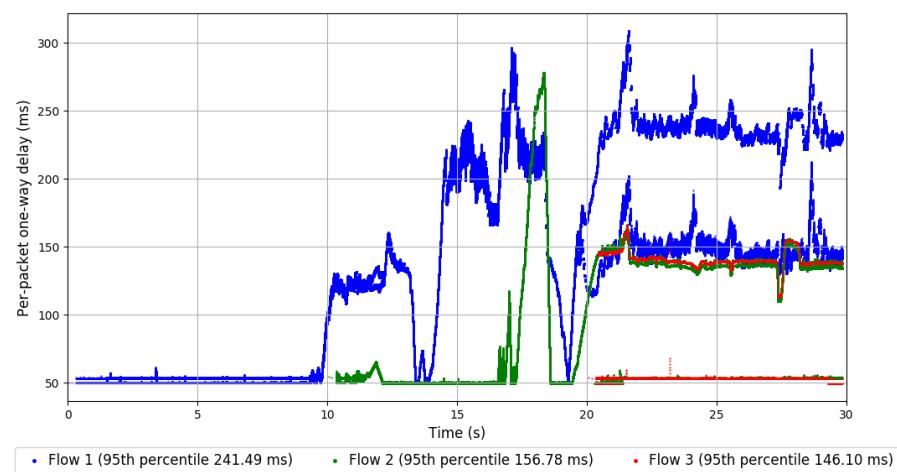
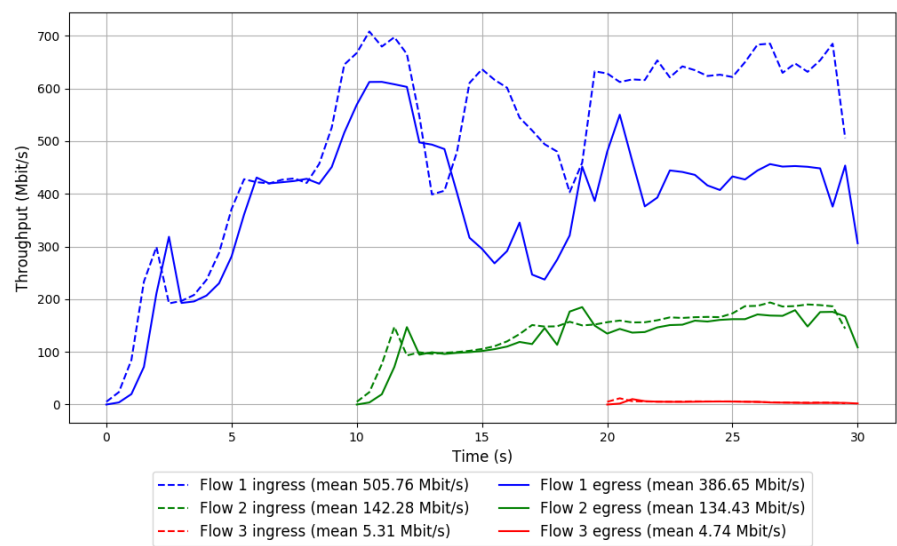


Run 9: Statistics of PCC-Expr

Start at: 2018-08-04 04:08:50
End at: 2018-08-04 04:09:20
Local clock offset: -0.111 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-08-04 07:26:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 477.44 Mbit/s
95th percentile per-packet one-way delay: 240.354 ms
Loss rate: 20.99%
-- Flow 1:
Average throughput: 386.65 Mbit/s
95th percentile per-packet one-way delay: 241.485 ms
Loss rate: 23.82%
-- Flow 2:
Average throughput: 134.43 Mbit/s
95th percentile per-packet one-way delay: 156.784 ms
Loss rate: 6.03%
-- Flow 3:
Average throughput: 4.74 Mbit/s
95th percentile per-packet one-way delay: 146.098 ms
Loss rate: 11.66%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-08-04 04:34:19

End at: 2018-08-04 04:34:49

Local clock offset: 0.078 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-08-04 07:26:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 321.13 Mbit/s

95th percentile per-packet one-way delay: 96.491 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 98.42 Mbit/s

95th percentile per-packet one-way delay: 53.532 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 310.05 Mbit/s

95th percentile per-packet one-way delay: 121.452 ms

Loss rate: 0.82%

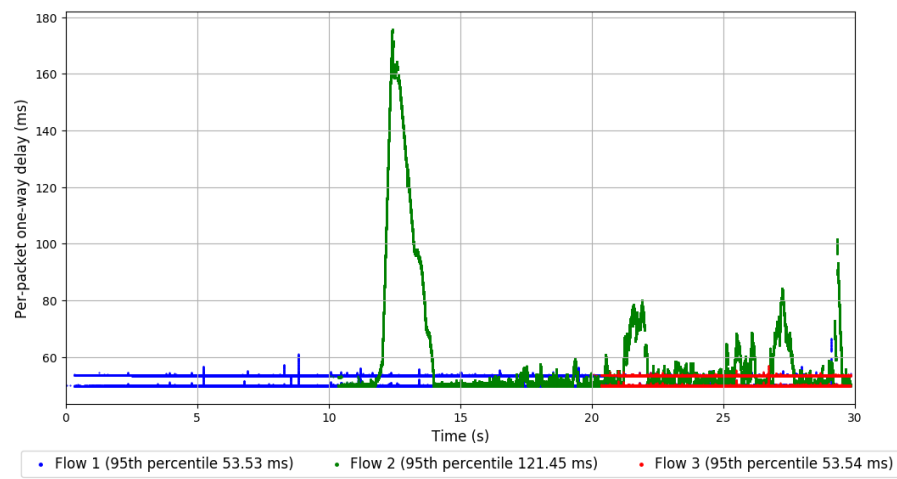
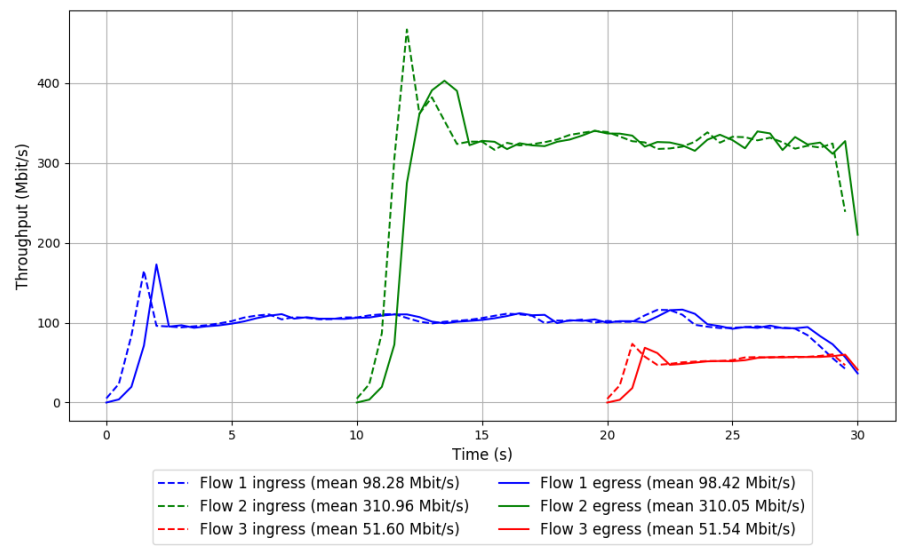
-- Flow 3:

Average throughput: 51.54 Mbit/s

95th percentile per-packet one-way delay: 53.542 ms

Loss rate: 1.17%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-08-04 00:47:43

End at: 2018-08-04 00:48:13

Local clock offset: -0.194 ms

Remote clock offset: -1.37 ms

Below is generated by plot.py at 2018-08-04 07:26:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 109.75 Mbit/s

95th percentile per-packet one-way delay: 54.420 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 59.38 Mbit/s

95th percentile per-packet one-way delay: 51.125 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 63.14 Mbit/s

95th percentile per-packet one-way delay: 54.451 ms

Loss rate: 0.97%

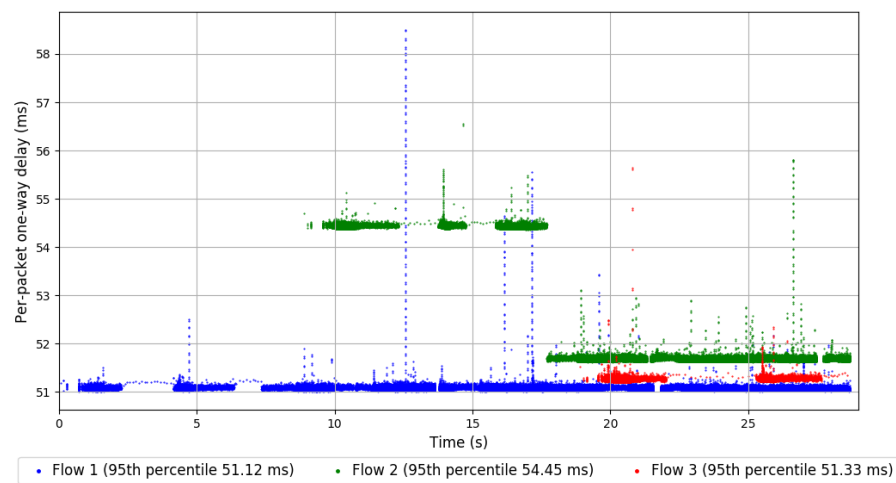
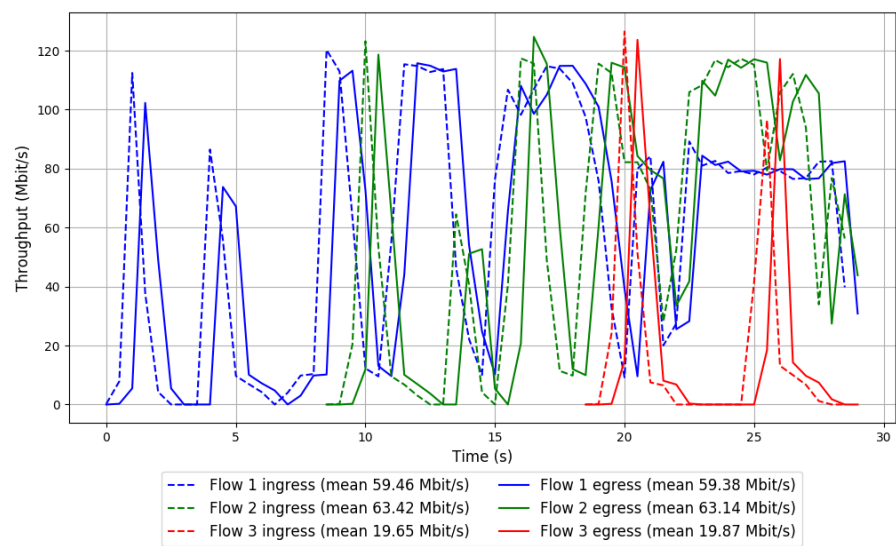
-- Flow 3:

Average throughput: 19.87 Mbit/s

95th percentile per-packet one-way delay: 51.327 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

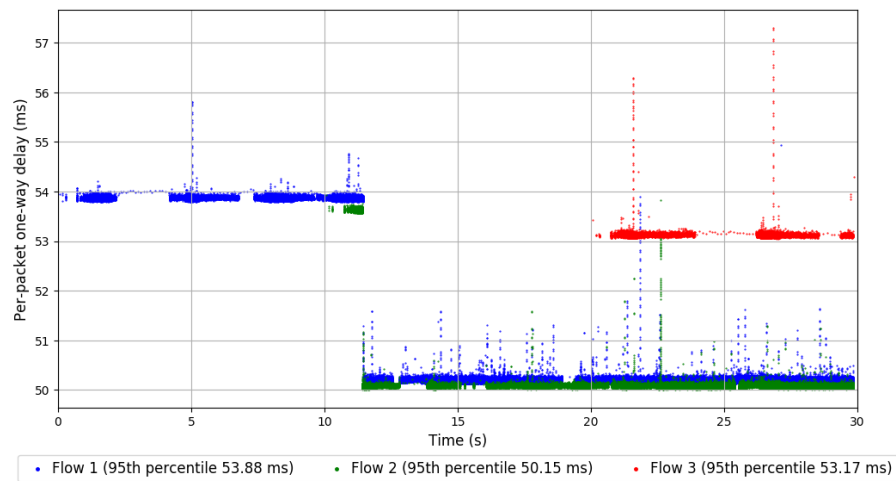
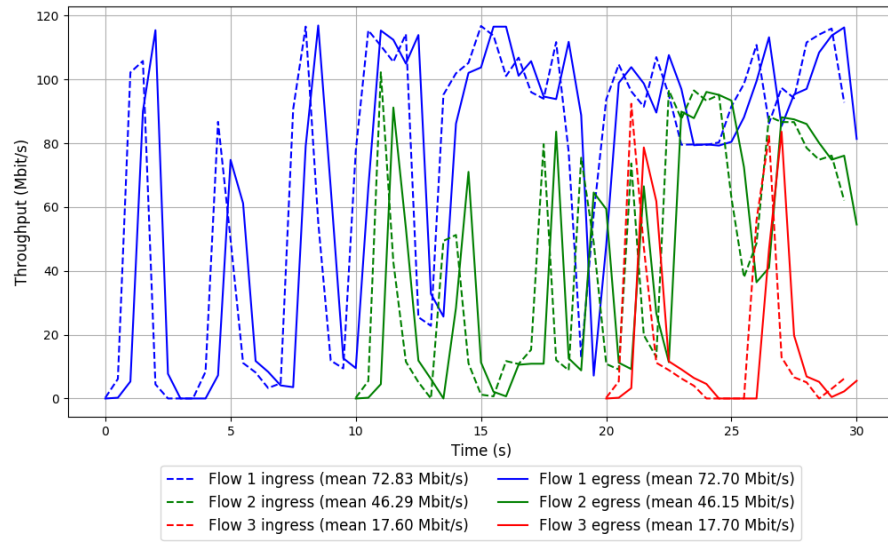


Run 2: Statistics of QUIC Cubic

Start at: 2018-08-04 01:13:08
End at: 2018-08-04 01:13:38
Local clock offset: 0.093 ms
Remote clock offset: -0.169 ms

Below is generated by plot.py at 2018-08-04 07:26:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 109.14 Mbit/s
95th percentile per-packet one-way delay: 53.865 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 72.70 Mbit/s
95th percentile per-packet one-way delay: 53.880 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 46.15 Mbit/s
95th percentile per-packet one-way delay: 50.151 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 17.70 Mbit/s
95th percentile per-packet one-way delay: 53.175 ms
Loss rate: 0.43%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-08-04 01:38:46

End at: 2018-08-04 01:39:16

Local clock offset: 0.136 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-08-04 07:26:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 106.35 Mbit/s

95th percentile per-packet one-way delay: 53.481 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 68.44 Mbit/s

95th percentile per-packet one-way delay: 53.491 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 47.13 Mbit/s

95th percentile per-packet one-way delay: 50.602 ms

Loss rate: 0.99%

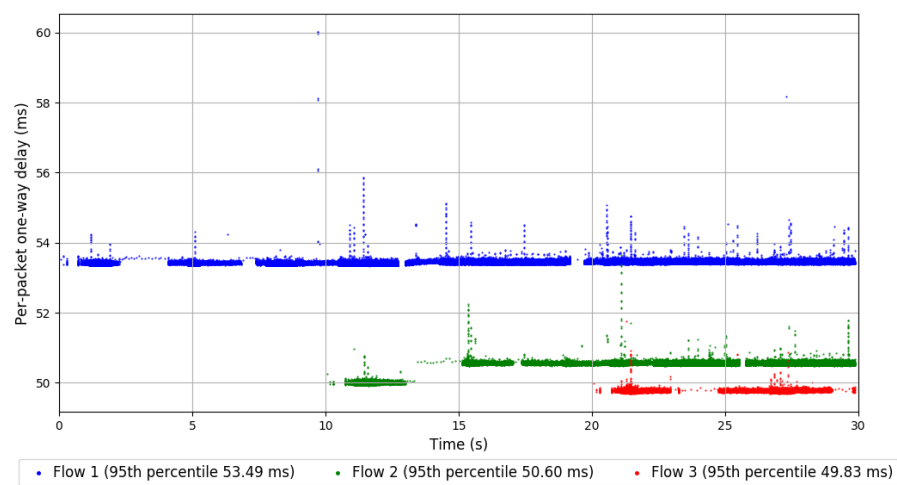
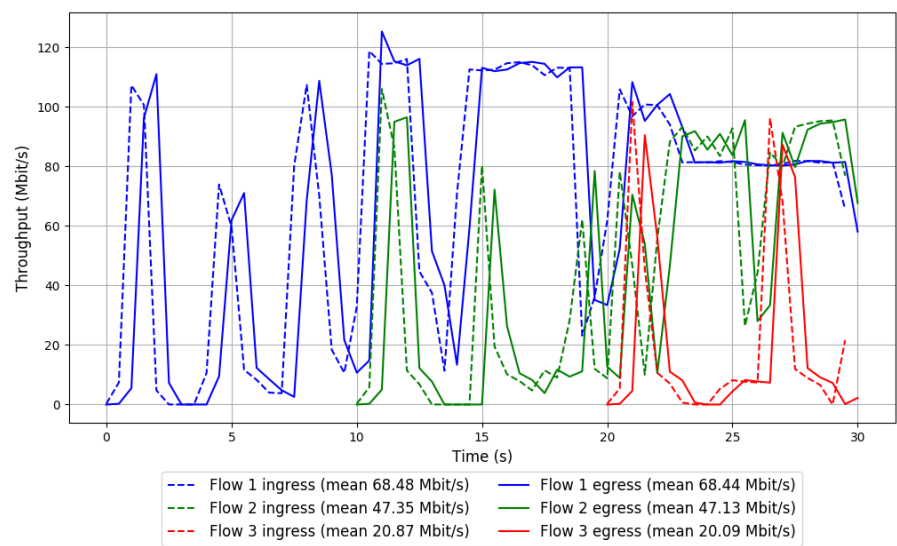
-- Flow 3:

Average throughput: 20.09 Mbit/s

95th percentile per-packet one-way delay: 49.825 ms

Loss rate: 4.70%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-04 02:04:16

End at: 2018-08-04 02:04:46

Local clock offset: -0.138 ms

Remote clock offset: 0.799 ms

Below is generated by plot.py at 2018-08-04 07:26:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 103.61 Mbit/s

95th percentile per-packet one-way delay: 52.540 ms

Loss rate: 0.90%

-- Flow 1:

Average throughput: 58.98 Mbit/s

95th percentile per-packet one-way delay: 49.045 ms

Loss rate: 0.61%

-- Flow 2:

Average throughput: 56.22 Mbit/s

95th percentile per-packet one-way delay: 52.411 ms

Loss rate: 0.77%

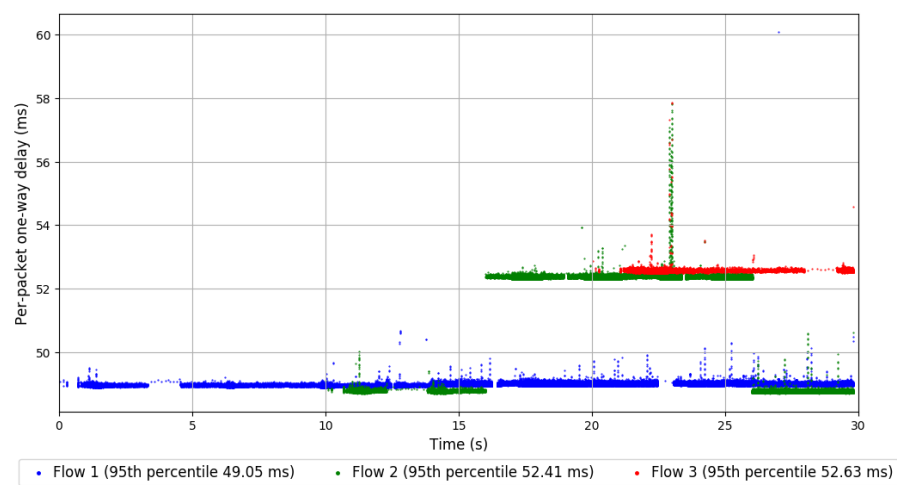
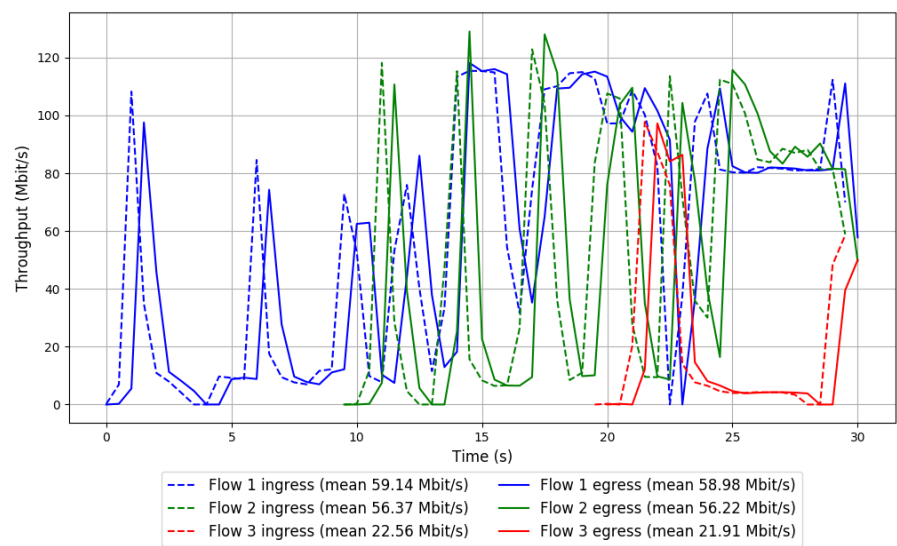
-- Flow 3:

Average throughput: 21.91 Mbit/s

95th percentile per-packet one-way delay: 52.628 ms

Loss rate: 3.91%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-04 02:29:30

End at: 2018-08-04 02:30:00

Local clock offset: -0.073 ms

Remote clock offset: 0.239 ms

Below is generated by plot.py at 2018-08-04 07:26:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 109.90 Mbit/s

95th percentile per-packet one-way delay: 53.078 ms

Loss rate: 0.82%

-- Flow 1:

Average throughput: 71.54 Mbit/s

95th percentile per-packet one-way delay: 53.087 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 48.24 Mbit/s

95th percentile per-packet one-way delay: 50.022 ms

Loss rate: 0.84%

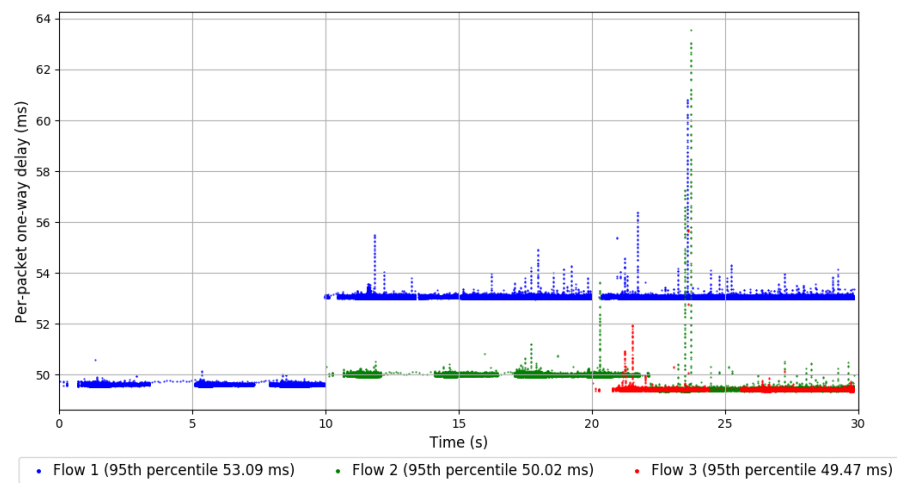
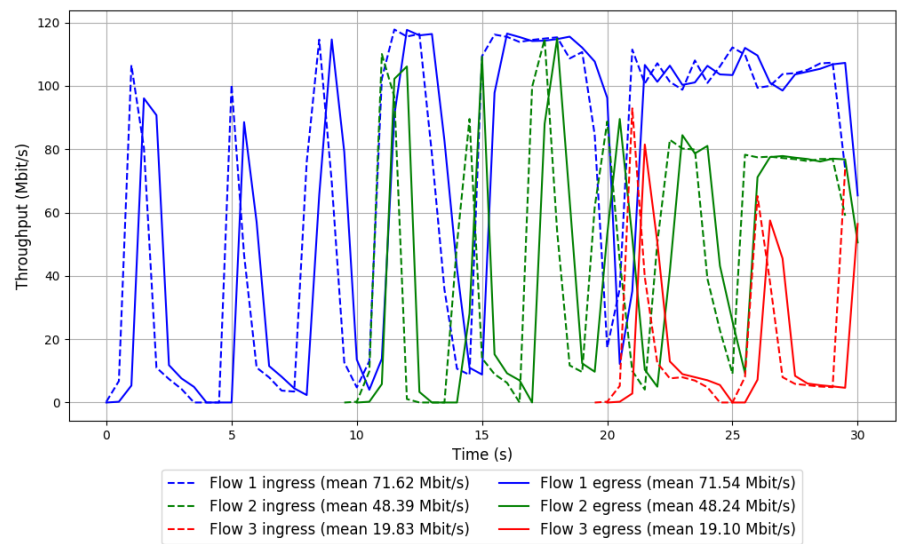
-- Flow 3:

Average throughput: 19.10 Mbit/s

95th percentile per-packet one-way delay: 49.471 ms

Loss rate: 4.67%

Run 5: Report of QUIC Cubic — Data Link

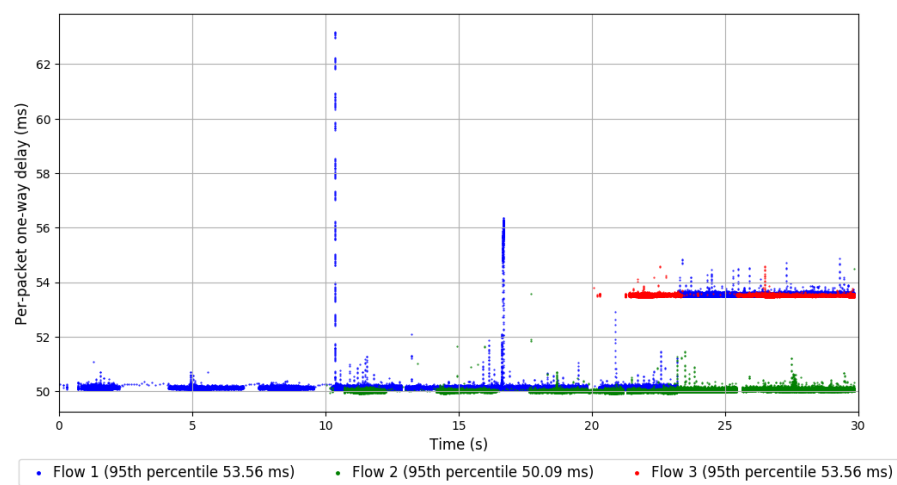
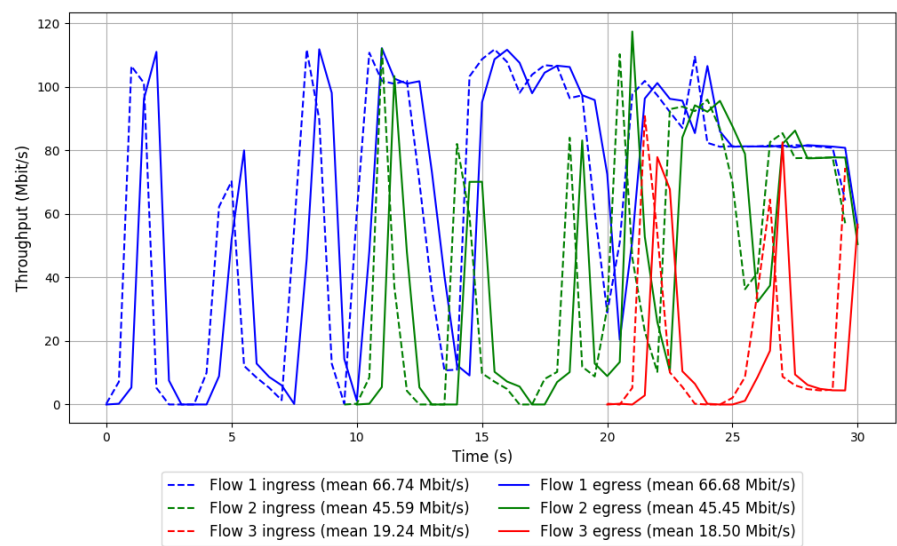


Run 6: Statistics of QUIC Cubic

Start at: 2018-08-04 02:54:56
End at: 2018-08-04 02:55:26
Local clock offset: 0.169 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-08-04 07:26:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 102.95 Mbit/s
95th percentile per-packet one-way delay: 53.553 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 66.68 Mbit/s
95th percentile per-packet one-way delay: 53.563 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 45.45 Mbit/s
95th percentile per-packet one-way delay: 50.095 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 18.50 Mbit/s
95th percentile per-packet one-way delay: 53.564 ms
Loss rate: 4.88%

Run 6: Report of QUIC Cubic — Data Link

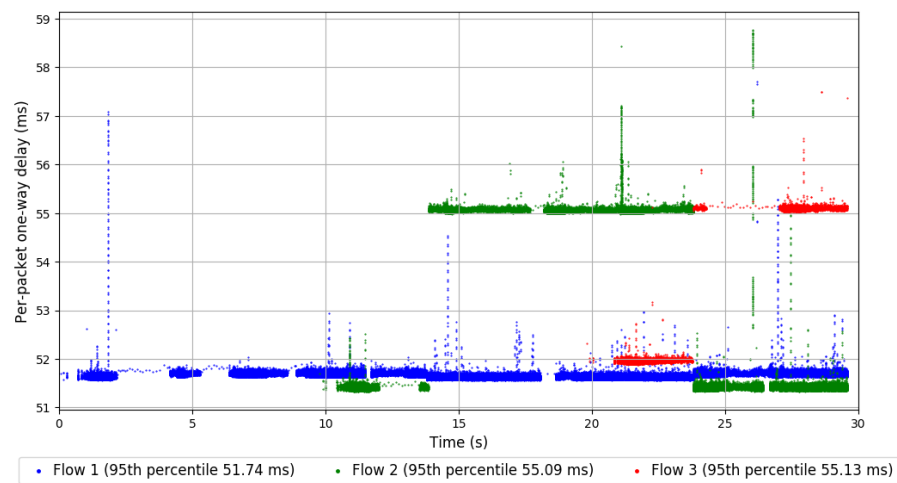
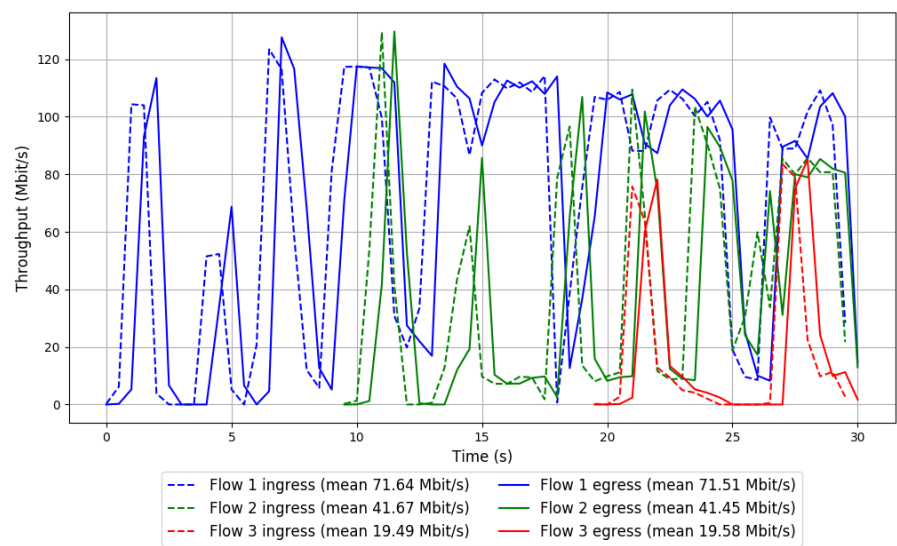


Run 7: Statistics of QUIC Cubic

Start at: 2018-08-04 03:20:25
End at: 2018-08-04 03:20:55
Local clock offset: 0.14 ms
Remote clock offset: -1.552 ms

Below is generated by plot.py at 2018-08-04 07:26:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 105.78 Mbit/s
95th percentile per-packet one-way delay: 55.071 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 71.51 Mbit/s
95th percentile per-packet one-way delay: 51.740 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 41.45 Mbit/s
95th percentile per-packet one-way delay: 55.093 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 19.58 Mbit/s
95th percentile per-packet one-way delay: 55.128 ms
Loss rate: 0.58%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-08-04 03:45:25

End at: 2018-08-04 03:45:55

Local clock offset: 0.053 ms

Remote clock offset: 0.961 ms

Below is generated by plot.py at 2018-08-04 07:26:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 114.86 Mbit/s

95th percentile per-packet one-way delay: 52.533 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 71.02 Mbit/s

95th percentile per-packet one-way delay: 52.526 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 53.84 Mbit/s

95th percentile per-packet one-way delay: 52.546 ms

Loss rate: 0.86%

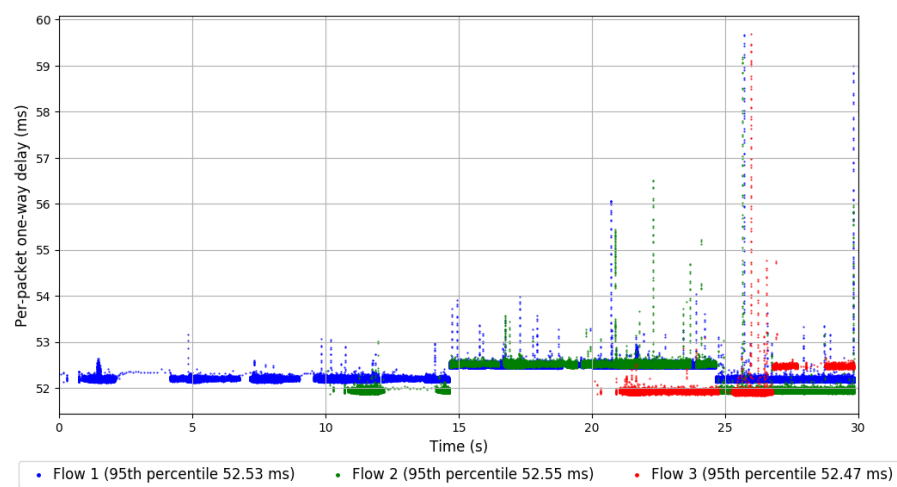
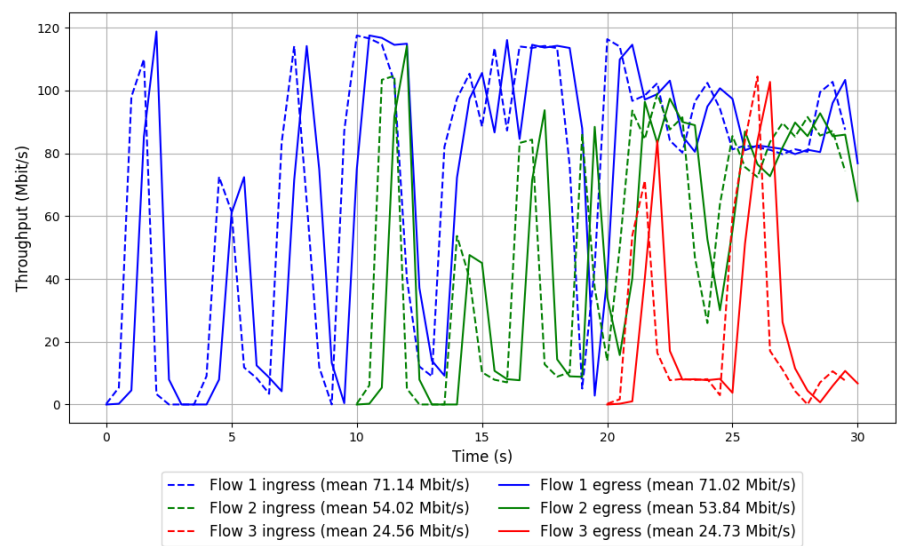
-- Flow 3:

Average throughput: 24.73 Mbit/s

95th percentile per-packet one-way delay: 52.467 ms

Loss rate: 0.40%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-08-04 04:10:36

End at: 2018-08-04 04:11:06

Local clock offset: 0.062 ms

Remote clock offset: -0.19 ms

Below is generated by plot.py at 2018-08-04 07:26:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 110.41 Mbit/s

95th percentile per-packet one-way delay: 50.611 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 73.48 Mbit/s

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

Loss rate: 0.50%

-- Flow 2:

Average throughput: 47.56 Mbit/s

95th percentile per-packet one-way delay: 50.630 ms

Loss rate: 0.85%

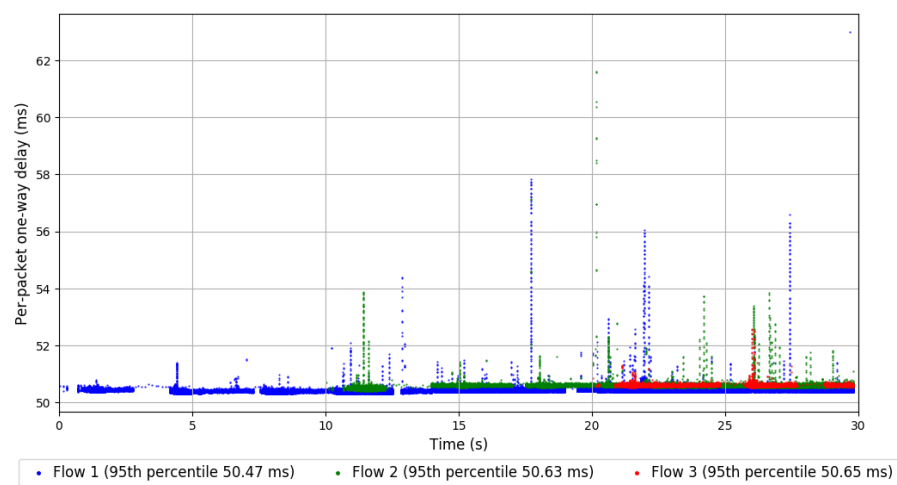
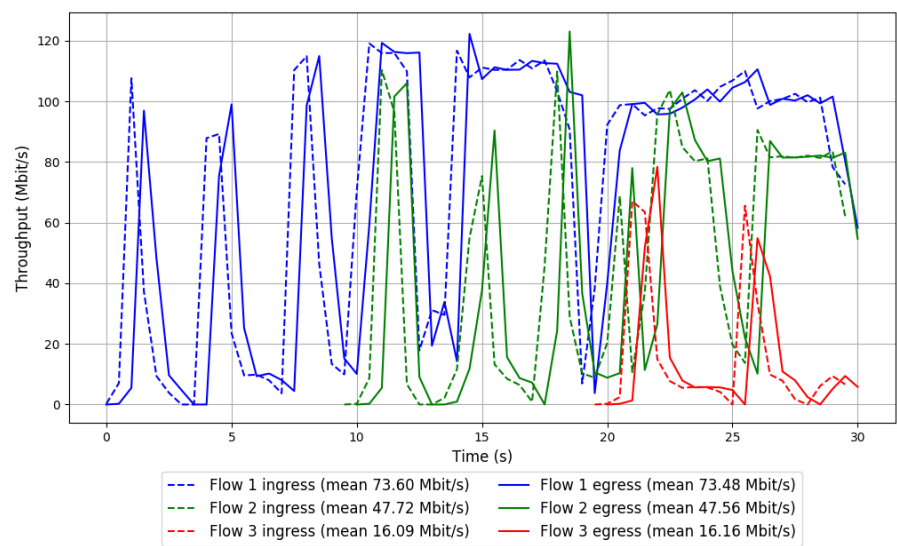
-- Flow 3:

Average throughput: 16.16 Mbit/s

95th percentile per-packet one-way delay: 50.654 ms

Loss rate: 0.56%

Run 9: Report of QUIC Cubic — Data Link

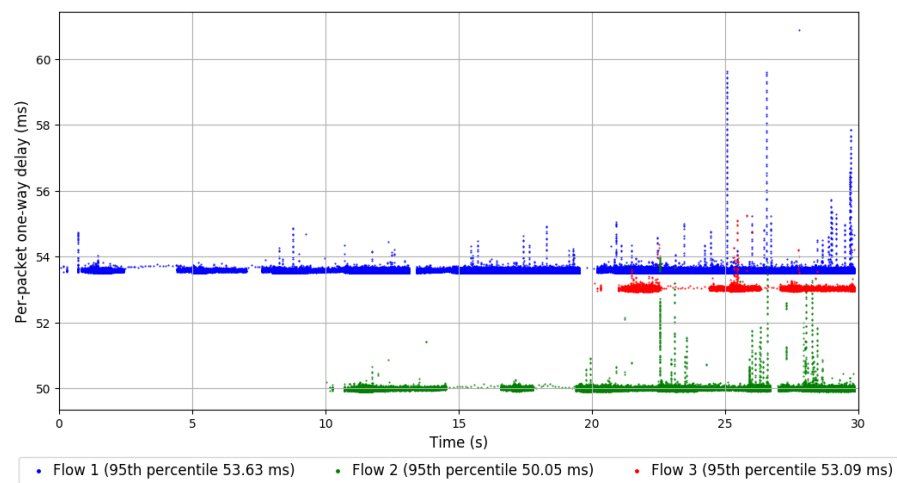
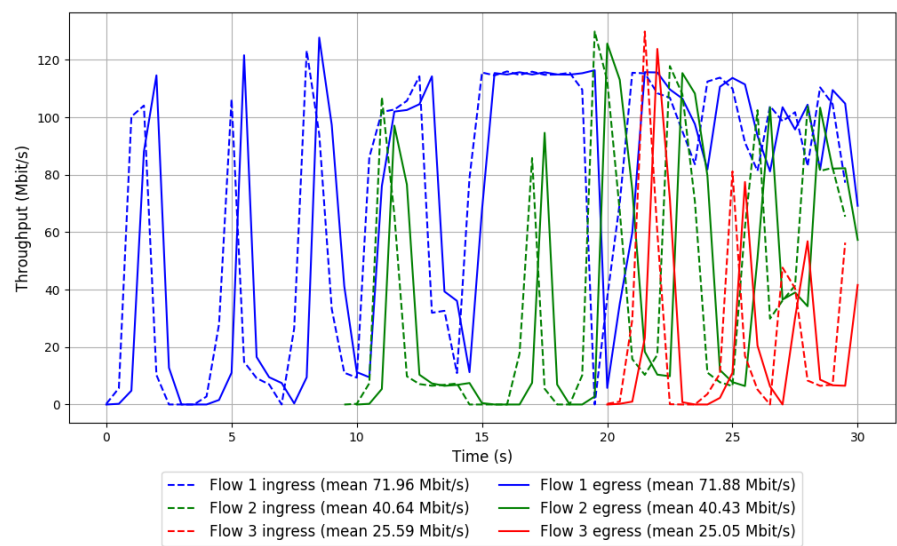


Run 10: Statistics of QUIC Cubic

Start at: 2018-08-04 04:35:55
End at: 2018-08-04 04:36:25
Local clock offset: -0.01 ms
Remote clock offset: -0.182 ms

Below is generated by plot.py at 2018-08-04 07:26:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 106.95 Mbit/s
95th percentile per-packet one-way delay: 53.619 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 71.88 Mbit/s
95th percentile per-packet one-way delay: 53.628 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 40.43 Mbit/s
95th percentile per-packet one-way delay: 50.050 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 25.05 Mbit/s
95th percentile per-packet one-way delay: 53.090 ms
Loss rate: 3.12%

Run 10: Report of QUIC Cubic — Data Link

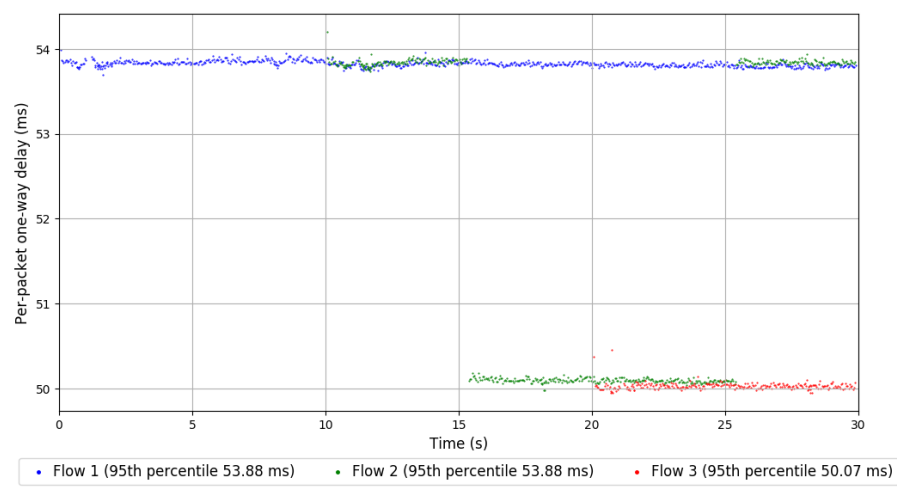
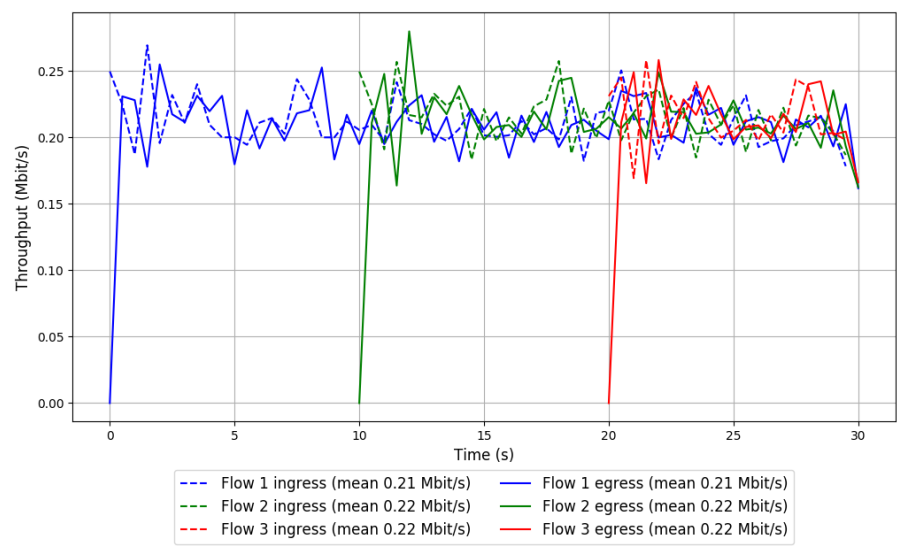


```
Run 1: Statistics of SReAM

Start at: 2018-08-04 00:32:34
End at: 2018-08-04 00:33:04
Local clock offset: -0.003 ms
Remote clock offset: -0.239 ms

# Below is generated by plot.py at 2018-08-04 07:26:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.878 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.880 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.882 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.069 ms
Loss rate: 1.10%
```


Run 1: Report of SReAM — Data Link

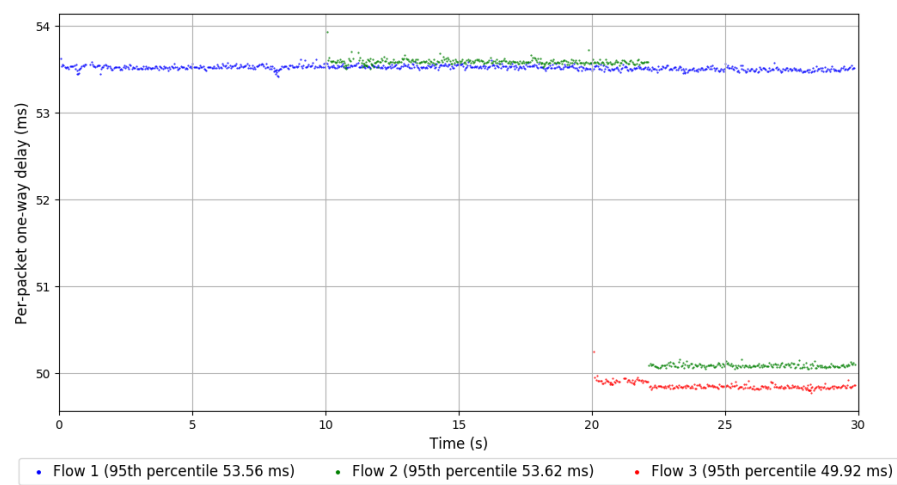
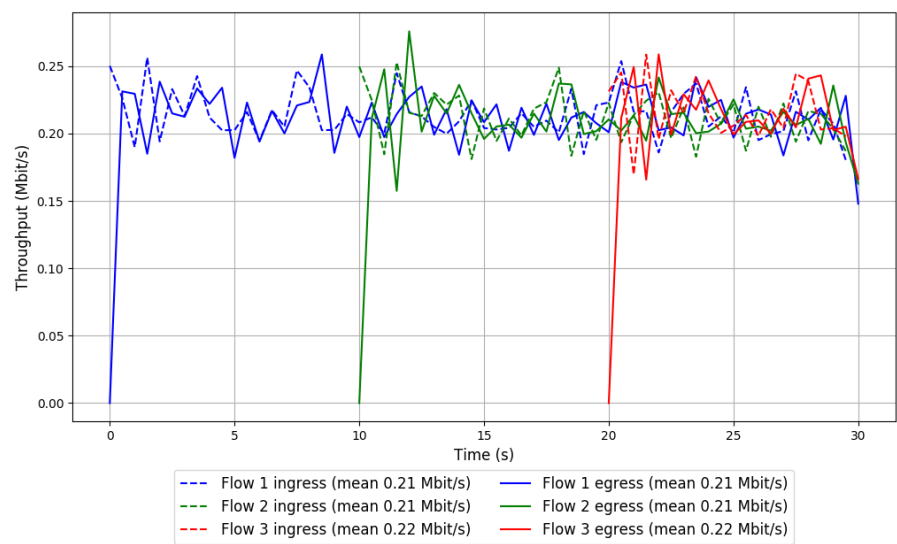


Run 2: Statistics of SReAM

Start at: 2018-08-04 00:58:10
End at: 2018-08-04 00:58:40
Local clock offset: -0.039 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-08-04 07:26:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.600 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.558 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.618 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.918 ms
Loss rate: 1.09%

Run 2: Report of SCReAM — Data Link

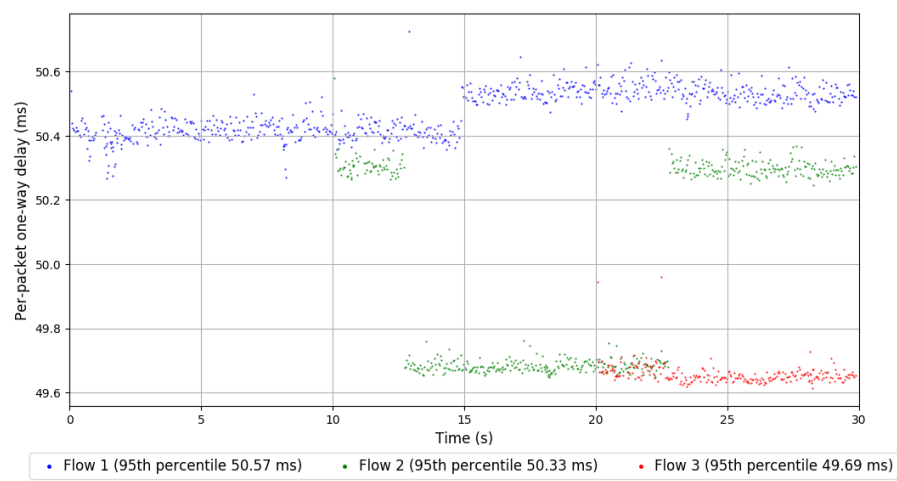
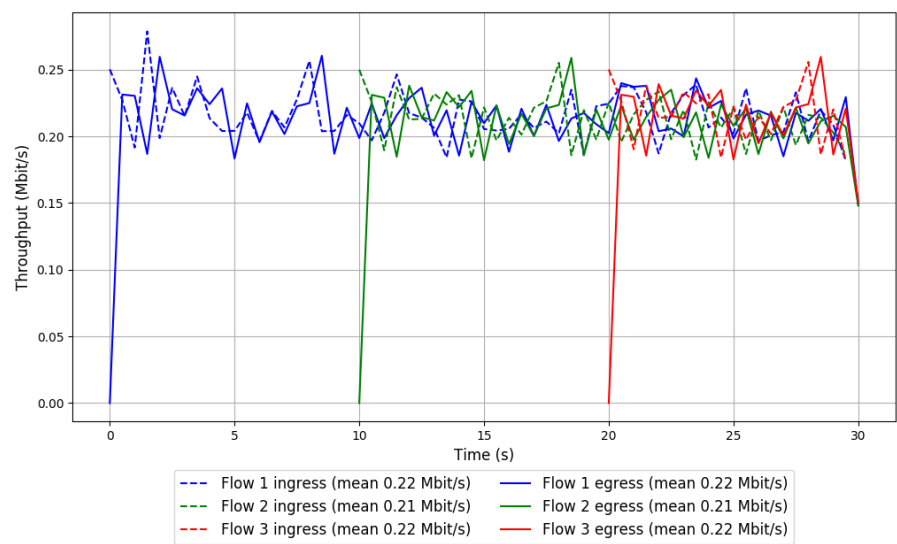


Run 3: Statistics of SCReAM

Start at: 2018-08-04 01:23:37
End at: 2018-08-04 01:24:07
Local clock offset: -0.183 ms
Remote clock offset: -0.145 ms

Below is generated by plot.py at 2018-08-04 07:26:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.559 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.574 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.332 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.693 ms
Loss rate: 1.09%

Run 3: Report of SCReAM — Data Link

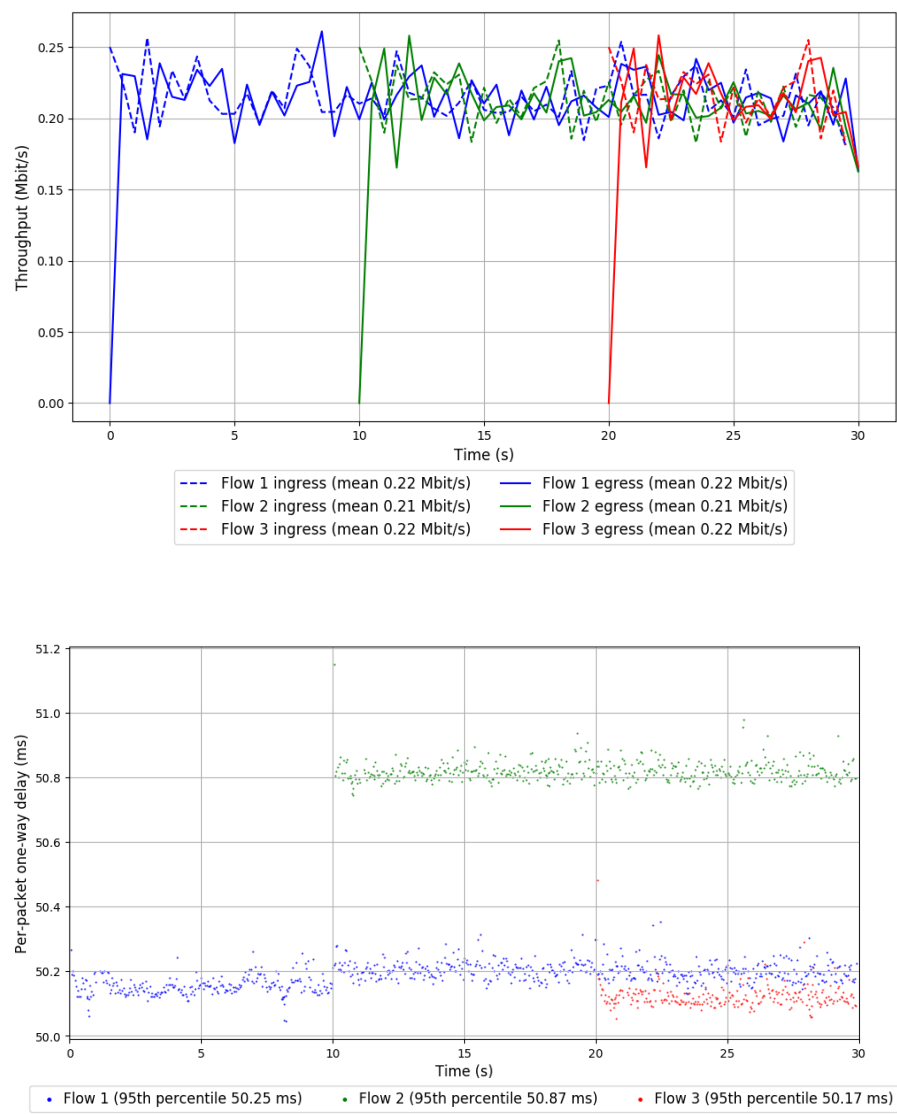


Run 4: Statistics of SReAM

Start at: 2018-08-04 01:49:00
End at: 2018-08-04 01:49:30
Local clock offset: 0.18 ms
Remote clock offset: -0.228 ms

Below is generated by plot.py at 2018-08-04 07:26:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.848 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.247 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.872 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.174 ms
Loss rate: 1.09%

Run 4: Report of SReAM — Data Link

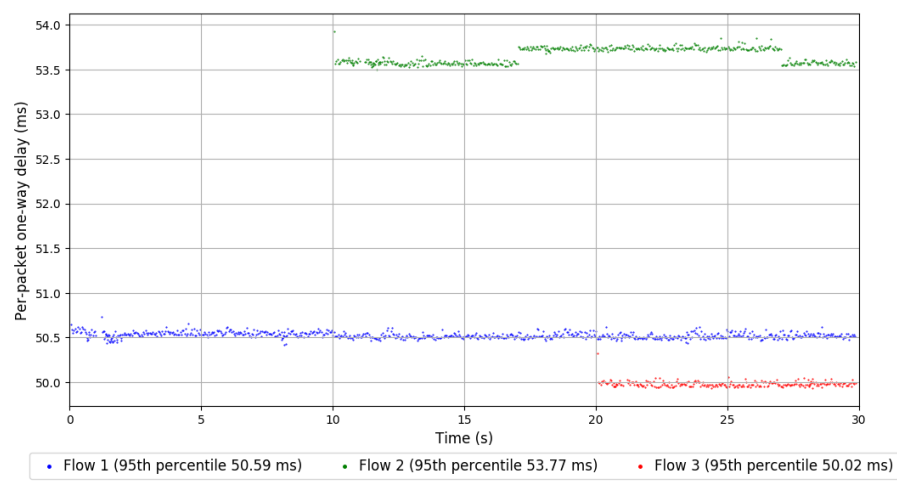
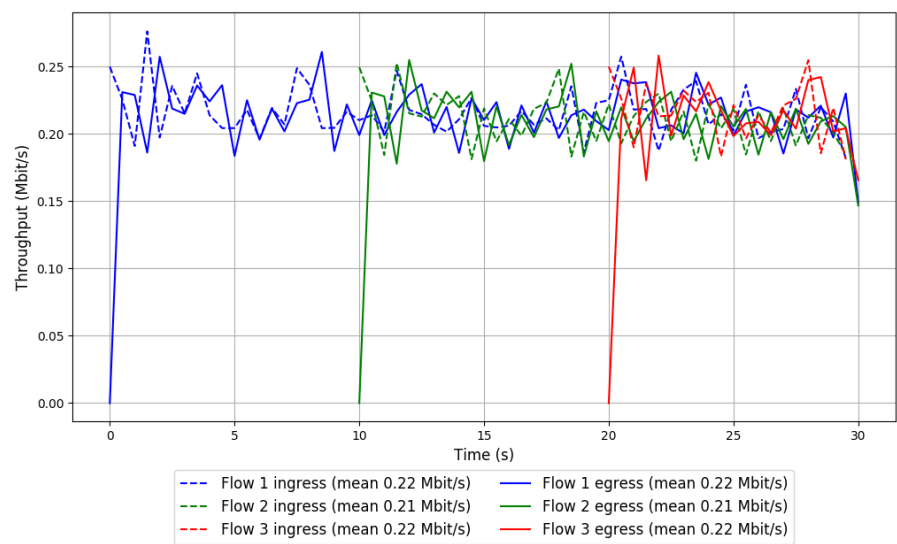


Run 5: Statistics of SReAM

Start at: 2018-08-04 02:14:33
End at: 2018-08-04 02:15:03
Local clock offset: -0.024 ms
Remote clock offset: -0.244 ms

Below is generated by plot.py at 2018-08-04 07:26:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.746 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.585 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.765 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.024 ms
Loss rate: 1.09%

Run 5: Report of SReAM — Data Link

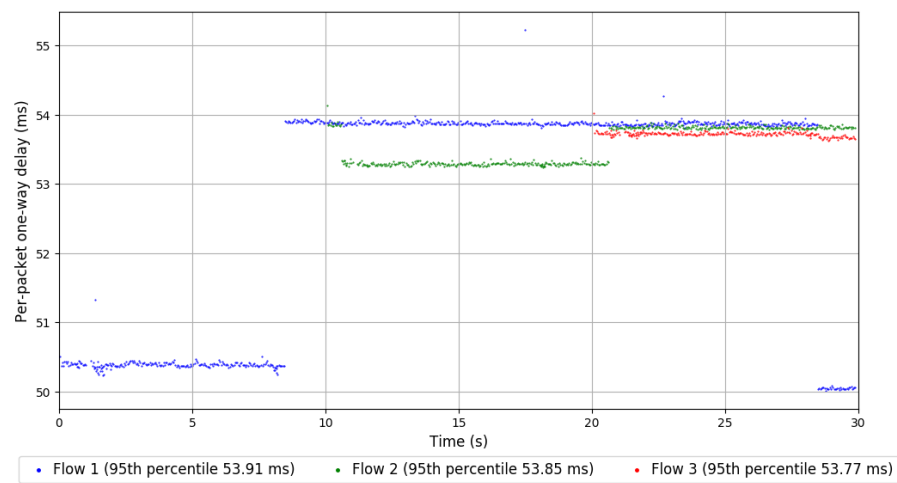
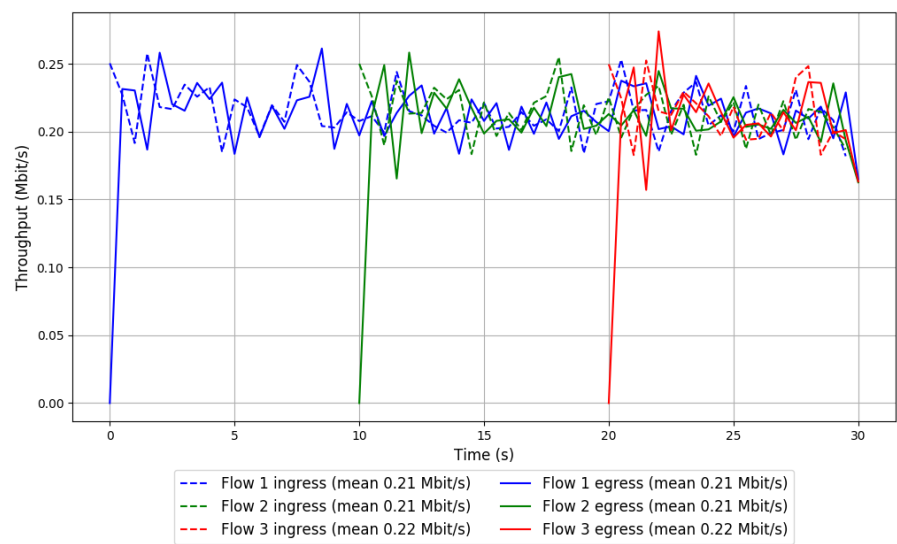


Run 6: Statistics of SReAM

Start at: 2018-08-04 02:39:41
End at: 2018-08-04 02:40:11
Local clock offset: -0.071 ms
Remote clock offset: -0.351 ms

Below is generated by plot.py at 2018-08-04 07:26:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.898 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.912 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.851 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.766 ms
Loss rate: 1.09%

Run 6: Report of SReAM — Data Link

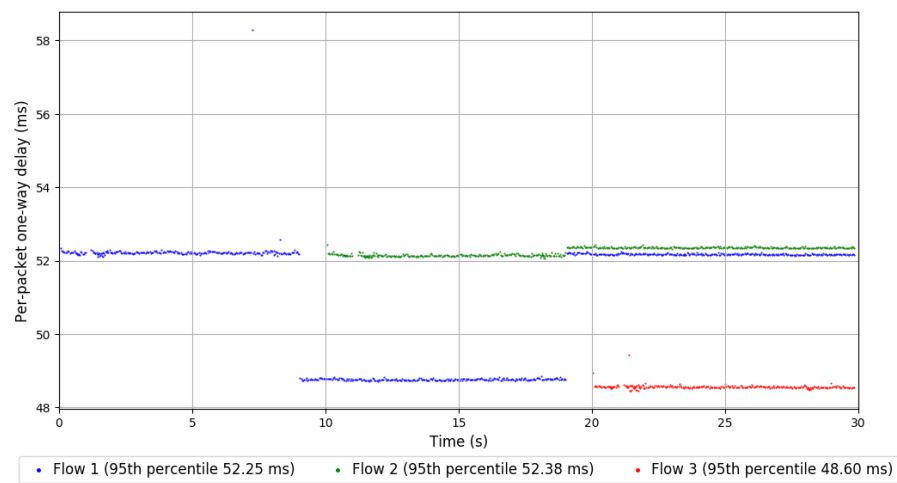
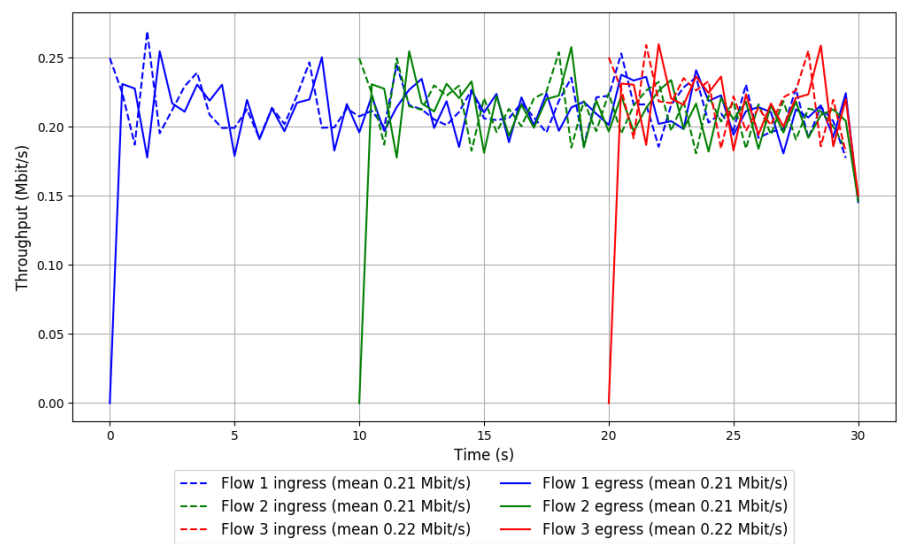


Run 7: Statistics of SReAM

Start at: 2018-08-04 03:05:11
End at: 2018-08-04 03:05:41
Local clock offset: 0.163 ms
Remote clock offset: 1.379 ms

Below is generated by plot.py at 2018-08-04 07:26:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 52.364 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 52.246 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 52.379 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 48.599 ms
Loss rate: 1.08%

Run 7: Report of SReAM — Data Link

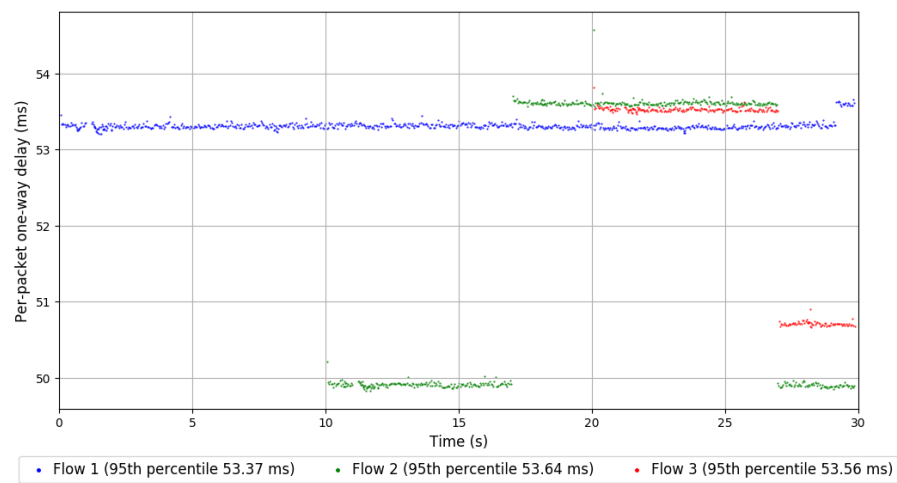
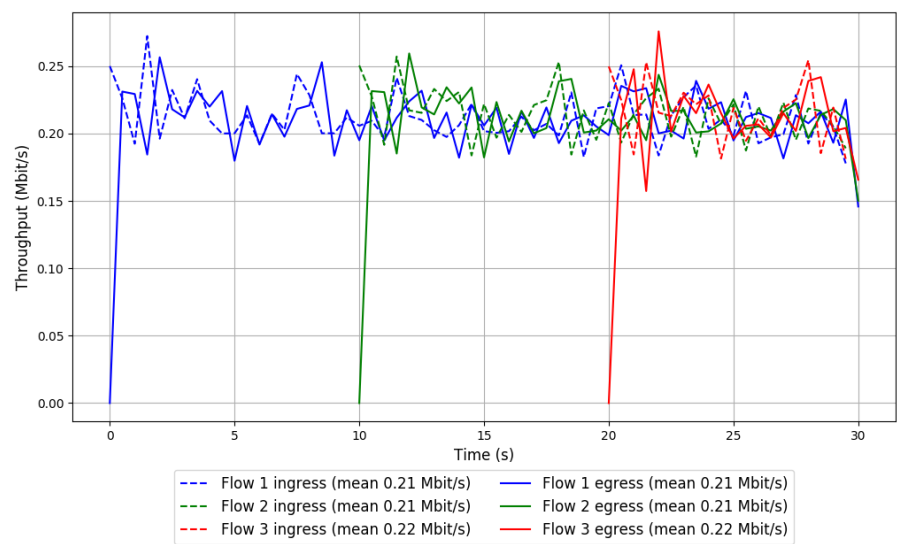


Run 8: Statistics of SReAM

Start at: 2018-08-04 03:30:43
End at: 2018-08-04 03:31:13
Local clock offset: 0.107 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-08-04 07:26:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.620 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.367 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.640 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.559 ms
Loss rate: 1.09%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-08-04 03:55:22

End at: 2018-08-04 03:55:52

Local clock offset: 0.235 ms

Remote clock offset: 0.142 ms

Below is generated by plot.py at 2018-08-04 07:26:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 53.603 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.325 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.596 ms

Loss rate: 0.62%

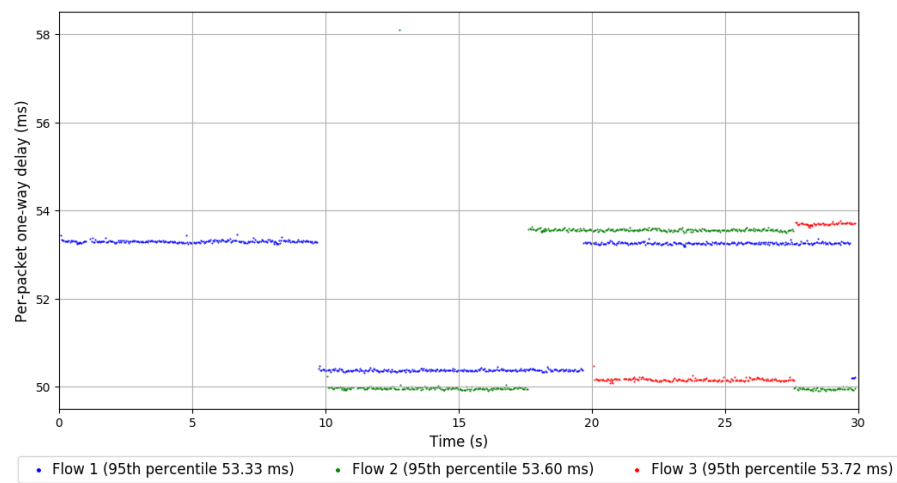
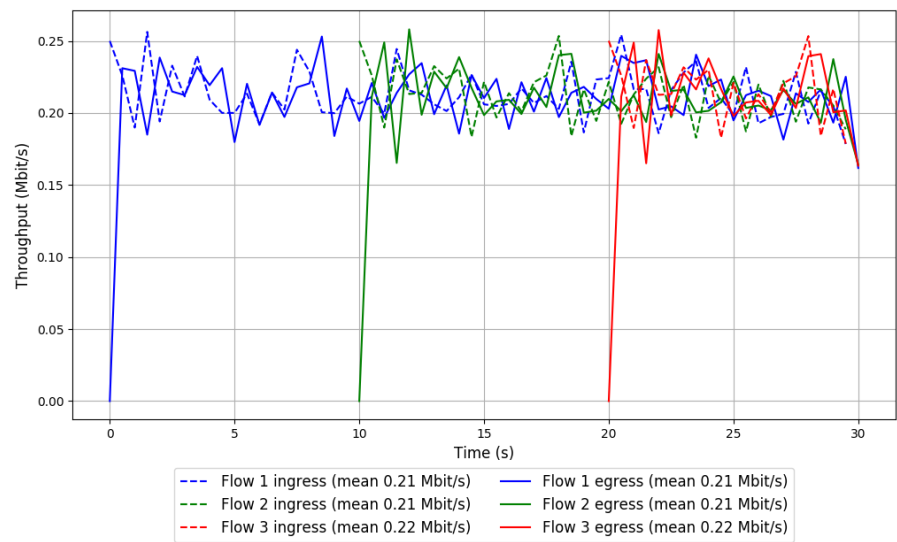
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 53.717 ms

Loss rate: 1.08%

Run 9: Report of SCReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-08-04 04:20:55

End at: 2018-08-04 04:21:25

Local clock offset: 0.035 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-08-04 07:26:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 53.556 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.568 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.497 ms

Loss rate: 0.62%

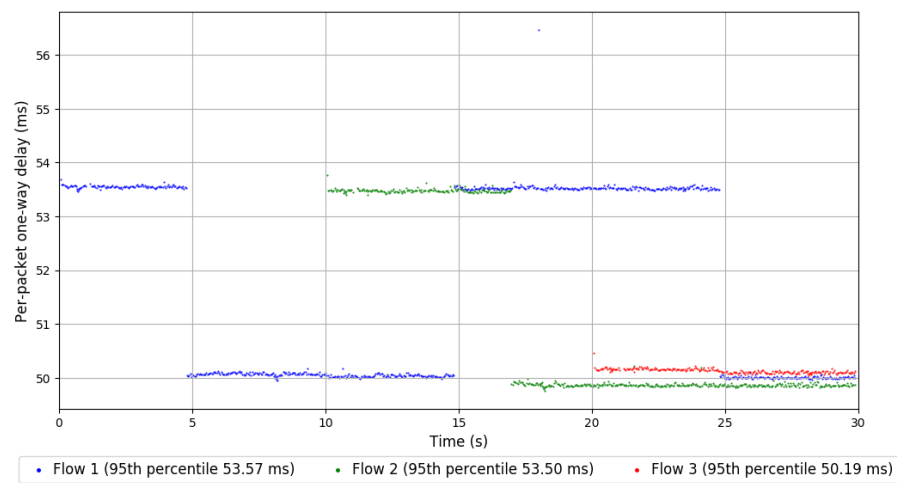
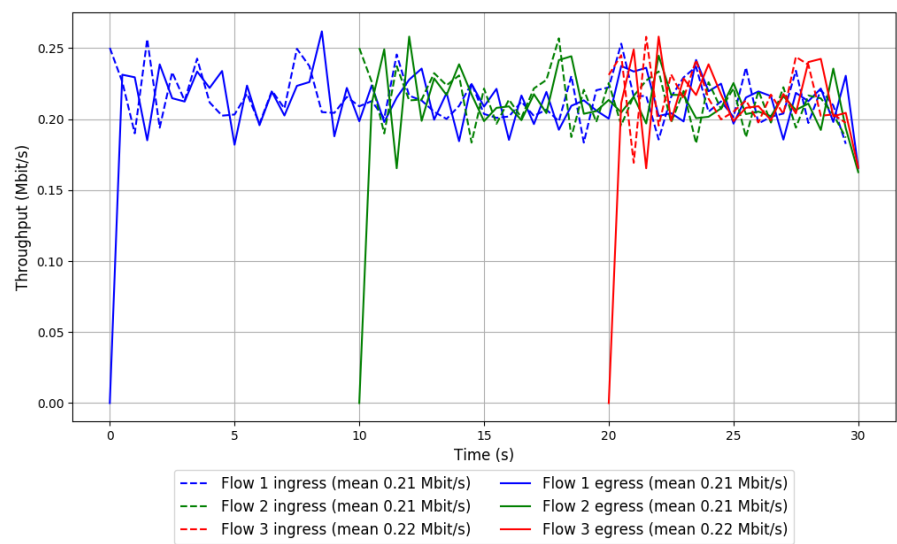
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.186 ms

Loss rate: 1.09%

Run 10: Report of SCReAM — Data Link

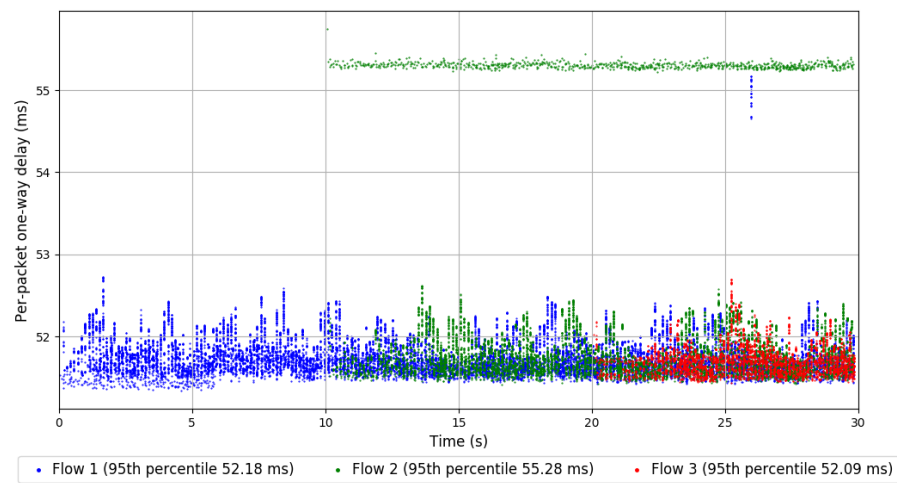
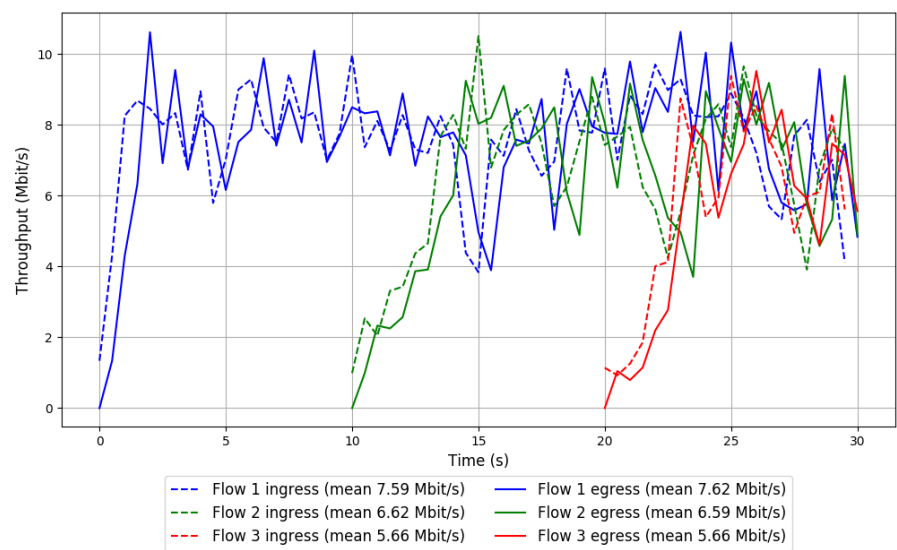


Run 1: Statistics of Sprout

Start at: 2018-08-04 00:52:04
End at: 2018-08-04 00:52:34
Local clock offset: 0.193 ms
Remote clock offset: -1.473 ms

Below is generated by plot.py at 2018-08-04 07:26:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.84 Mbit/s
95th percentile per-packet one-way delay: 52.273 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 7.62 Mbit/s
95th percentile per-packet one-way delay: 52.178 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 6.59 Mbit/s
95th percentile per-packet one-way delay: 55.282 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 5.66 Mbit/s
95th percentile per-packet one-way delay: 52.086 ms
Loss rate: 1.08%

Run 1: Report of Sprout — Data Link

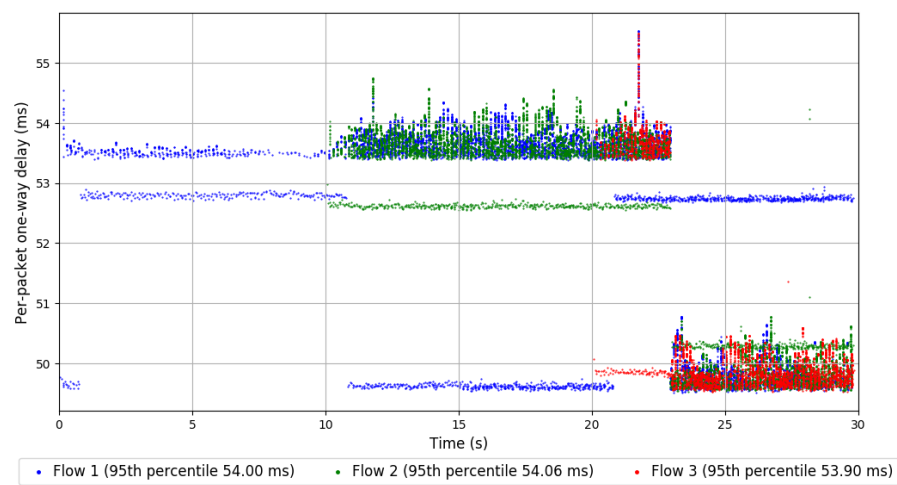
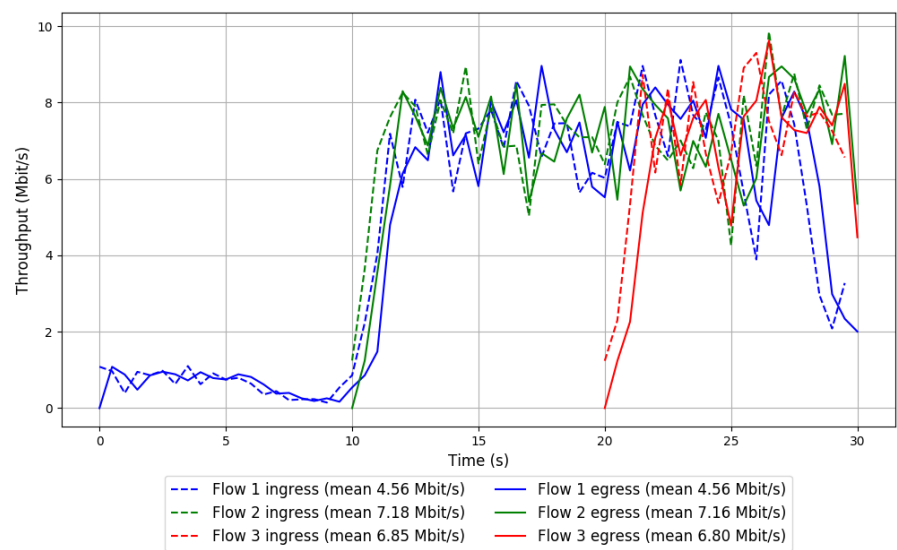


Run 2: Statistics of Sprout

Start at: 2018-08-04 01:17:29
End at: 2018-08-04 01:17:59
Local clock offset: -0.138 ms
Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-08-04 07:26:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.53 Mbit/s
95th percentile per-packet one-way delay: 54.008 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 4.56 Mbit/s
95th percentile per-packet one-way delay: 53.999 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 7.16 Mbit/s
95th percentile per-packet one-way delay: 54.056 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 6.80 Mbit/s
95th percentile per-packet one-way delay: 53.895 ms
Loss rate: 1.68%

Run 2: Report of Sprout — Data Link

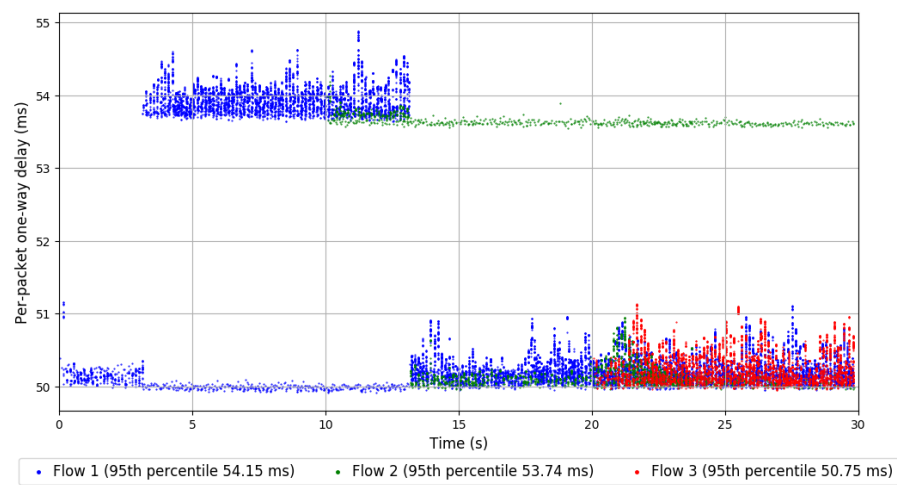
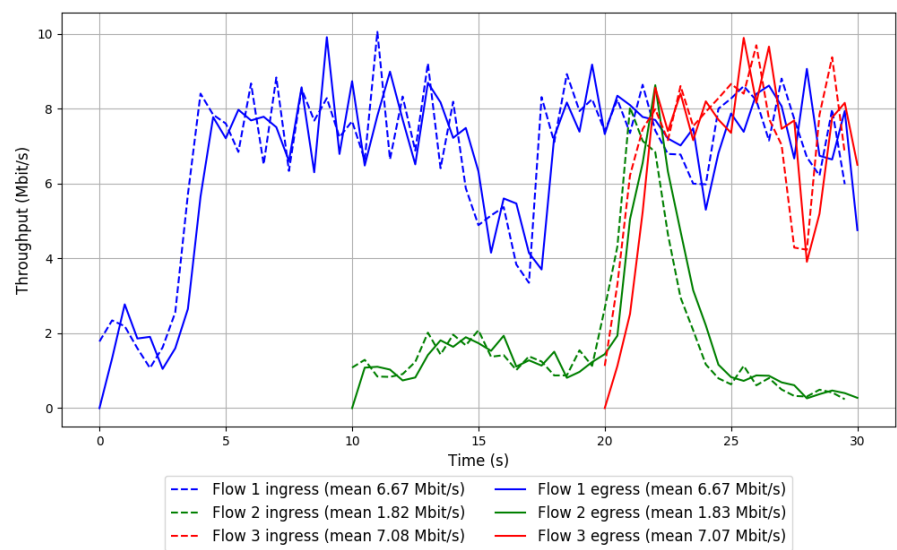


Run 3: Statistics of Sprout

Start at: 2018-08-04 01:43:09
End at: 2018-08-04 01:43:39
Local clock offset: 0.059 ms
Remote clock offset: -0.208 ms

Below is generated by plot.py at 2018-08-04 07:26:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.20 Mbit/s
95th percentile per-packet one-way delay: 54.089 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 6.67 Mbit/s
95th percentile per-packet one-way delay: 54.150 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 53.740 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.07 Mbit/s
95th percentile per-packet one-way delay: 50.748 ms
Loss rate: 1.15%

Run 3: Report of Sprout — Data Link

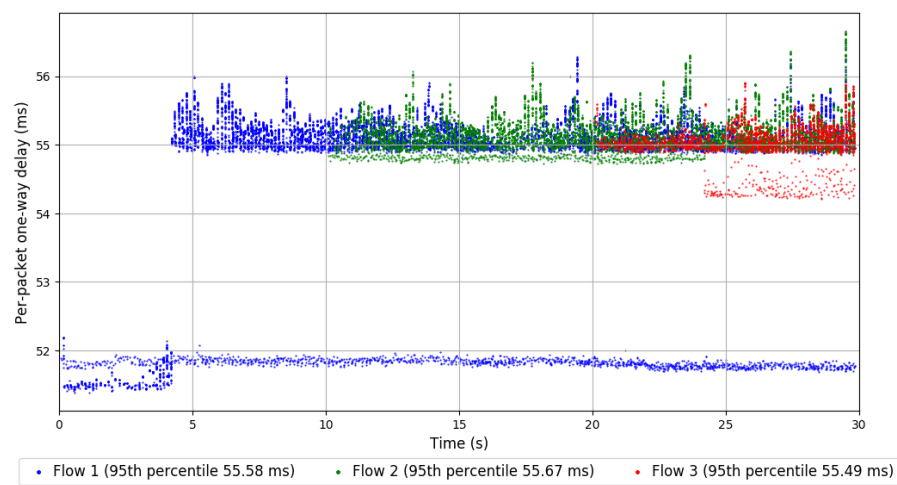
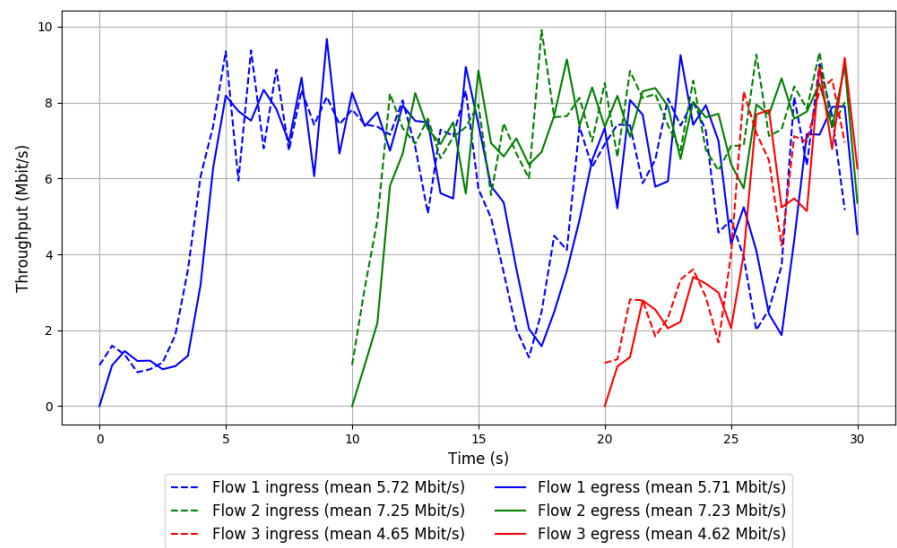


Run 4: Statistics of Sprout

Start at: 2018-08-04 02:08:37
End at: 2018-08-04 02:09:07
Local clock offset: 0.029 ms
Remote clock offset: -1.449 ms

```
# Below is generated by plot.py at 2018-08-04 07:26:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.01 Mbit/s
95th percentile per-packet one-way delay: 55.596 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 5.71 Mbit/s
95th percentile per-packet one-way delay: 55.575 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 55.669 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 4.62 Mbit/s
95th percentile per-packet one-way delay: 55.495 ms
Loss rate: 1.80%
```

Run 4: Report of Sprout — Data Link

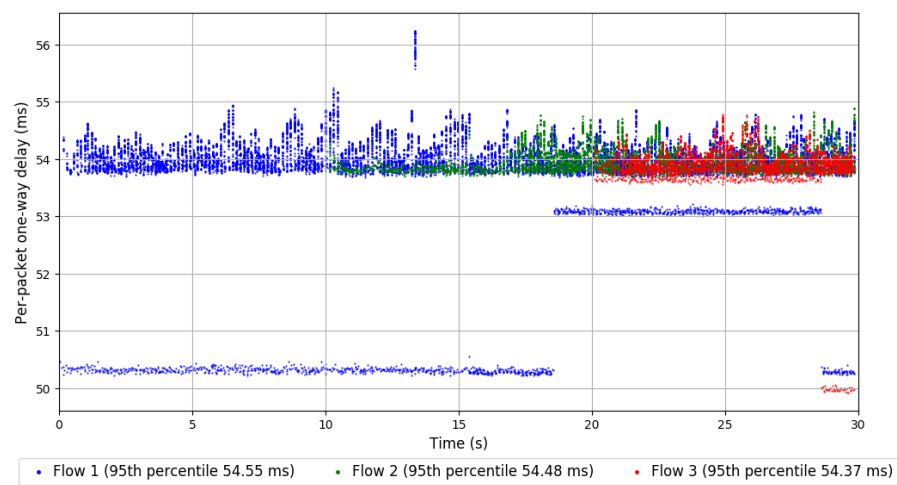
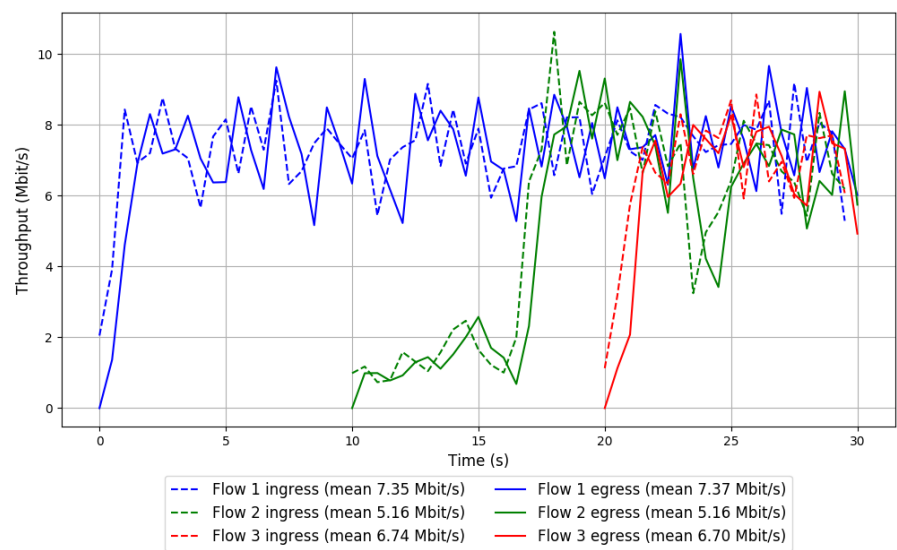


Run 5: Statistics of Sprout

Start at: 2018-08-04 02:33:51
End at: 2018-08-04 02:34:21
Local clock offset: -0.142 ms
Remote clock offset: -0.43 ms

Below is generated by plot.py at 2018-08-04 07:26:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.99 Mbit/s
95th percentile per-packet one-way delay: 54.510 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 7.37 Mbit/s
95th percentile per-packet one-way delay: 54.554 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 5.16 Mbit/s
95th percentile per-packet one-way delay: 54.476 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 6.70 Mbit/s
95th percentile per-packet one-way delay: 54.373 ms
Loss rate: 1.33%

Run 5: Report of Sprout — Data Link

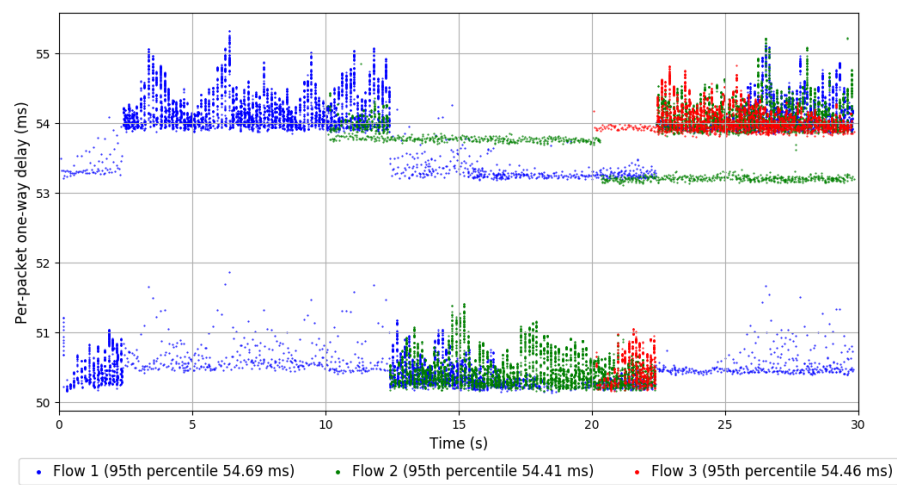
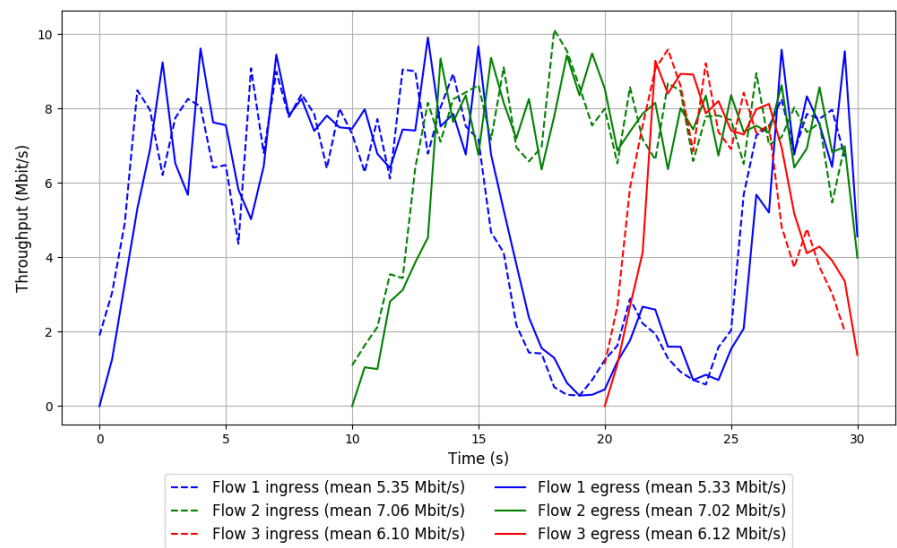


Run 6: Statistics of Sprout

Start at: 2018-08-04 02:59:19
End at: 2018-08-04 02:59:49
Local clock offset: 0.296 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2018-08-04 07:26:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 54.550 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 5.33 Mbit/s
95th percentile per-packet one-way delay: 54.686 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 7.02 Mbit/s
95th percentile per-packet one-way delay: 54.415 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 6.12 Mbit/s
95th percentile per-packet one-way delay: 54.458 ms
Loss rate: 0.61%

Run 6: Report of Sprout — Data Link

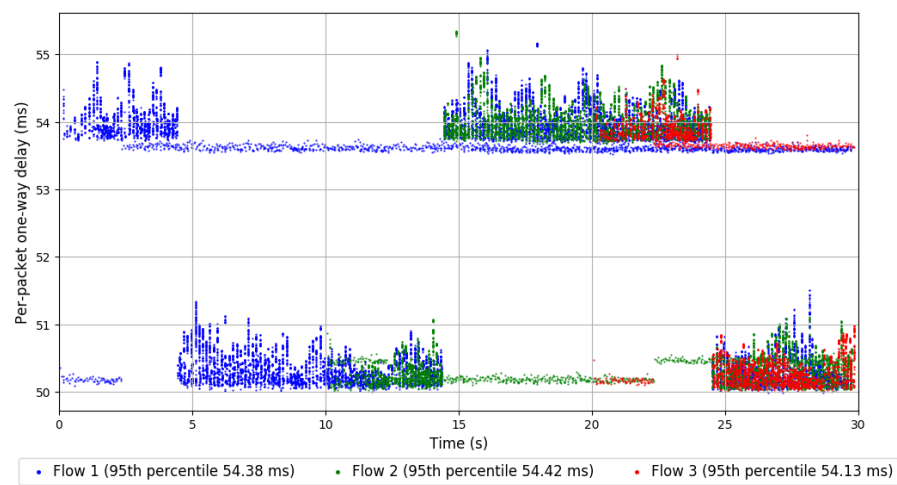
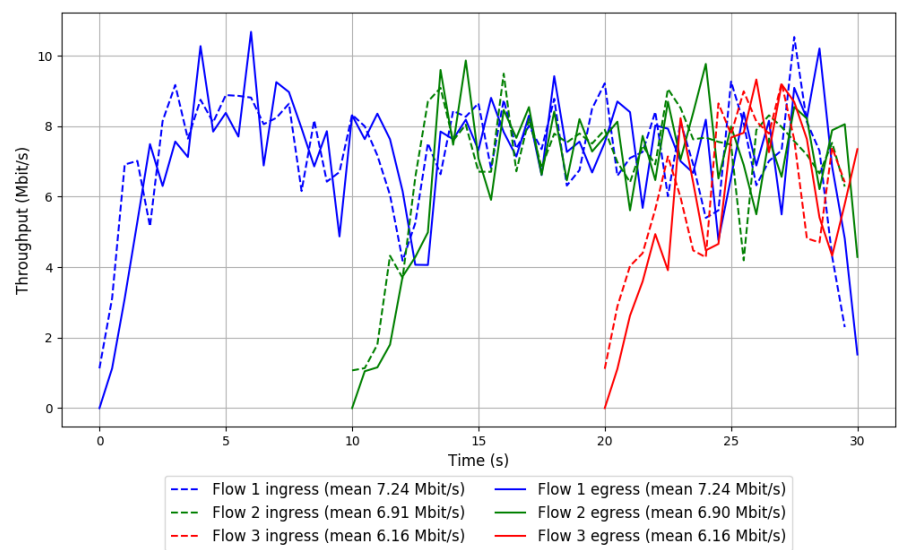


Run 7: Statistics of Sprout

Start at: 2018-08-04 03:24:47
End at: 2018-08-04 03:25:17
Local clock offset: 0.137 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-08-04 07:26:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.84 Mbit/s
95th percentile per-packet one-way delay: 54.372 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 7.24 Mbit/s
95th percentile per-packet one-way delay: 54.385 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 6.90 Mbit/s
95th percentile per-packet one-way delay: 54.425 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 6.16 Mbit/s
95th percentile per-packet one-way delay: 54.126 ms
Loss rate: 0.86%

Run 7: Report of Sprout — Data Link

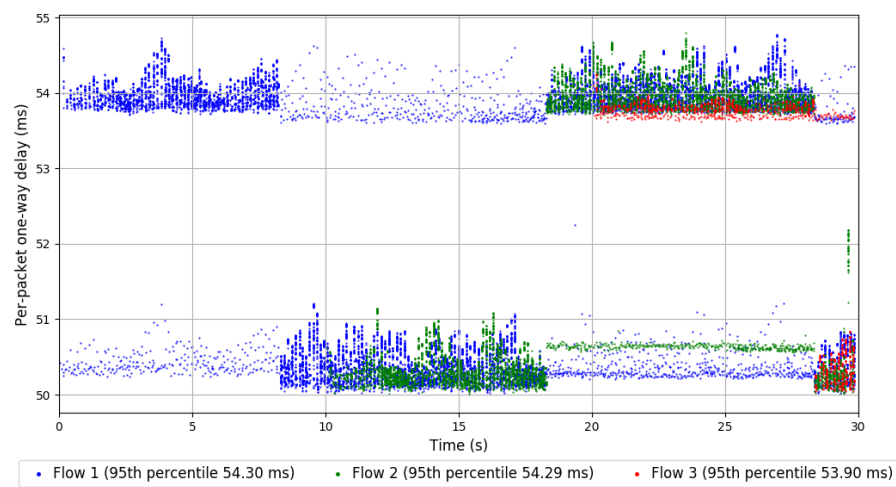
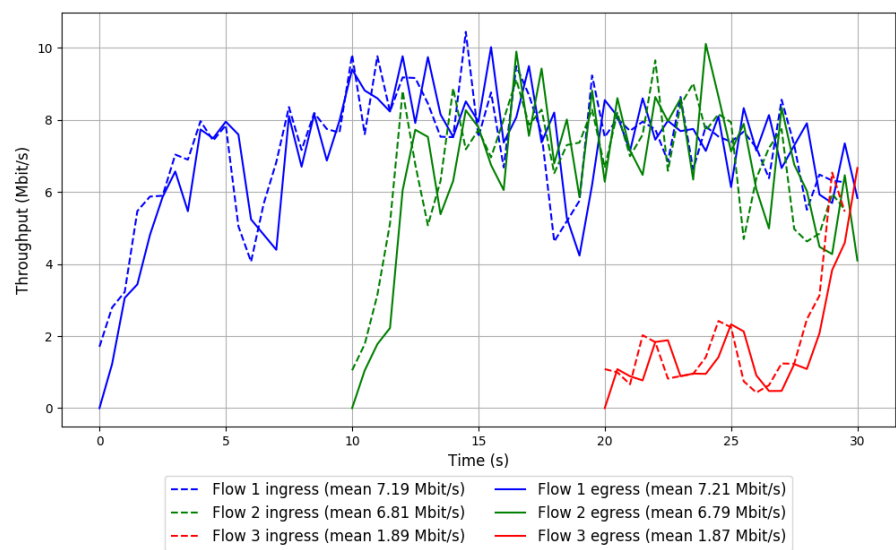


Run 8: Statistics of Sprout

Start at: 2018-08-04 03:49:43
End at: 2018-08-04 03:50:13
Local clock offset: 0.118 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-08-04 07:26:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.33 Mbit/s
95th percentile per-packet one-way delay: 54.288 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 54.304 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 6.79 Mbit/s
95th percentile per-packet one-way delay: 54.287 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 53.900 ms
Loss rate: 1.98%

Run 8: Report of Sprout — Data Link

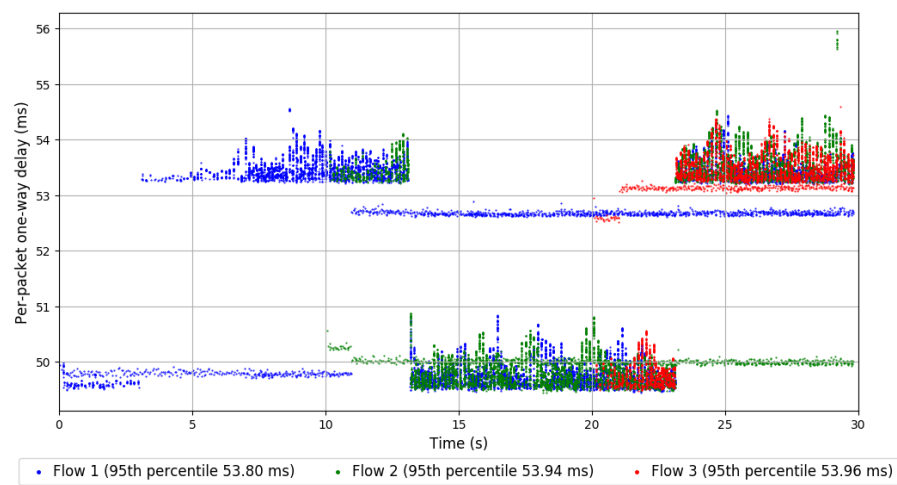
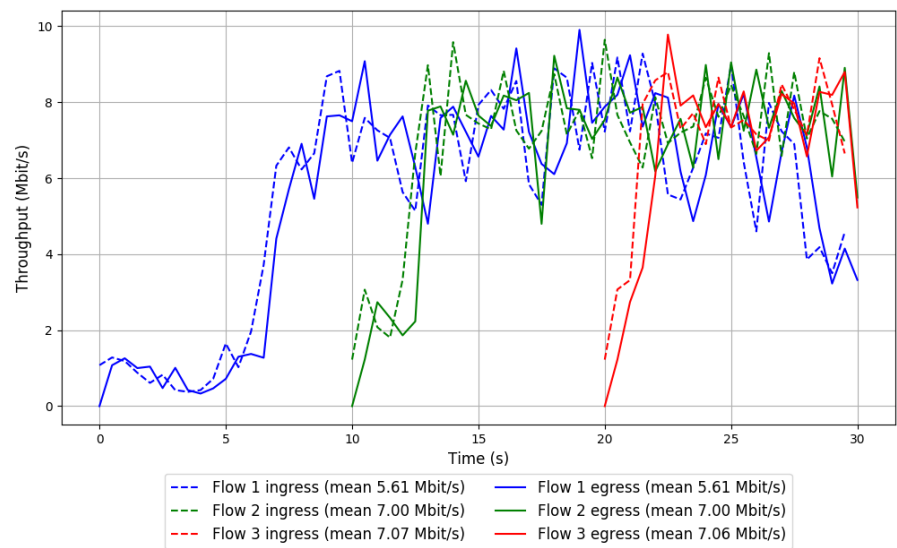


Run 9: Statistics of Sprout

Start at: 2018-08-04 04:14:59
End at: 2018-08-04 04:15:29
Local clock offset: -0.069 ms
Remote clock offset: 0.251 ms

Below is generated by plot.py at 2018-08-04 07:26:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.57 Mbit/s
95th percentile per-packet one-way delay: 53.897 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 5.61 Mbit/s
95th percentile per-packet one-way delay: 53.801 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 7.00 Mbit/s
95th percentile per-packet one-way delay: 53.944 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 7.06 Mbit/s
95th percentile per-packet one-way delay: 53.958 ms
Loss rate: 1.53%

Run 9: Report of Sprout — Data Link

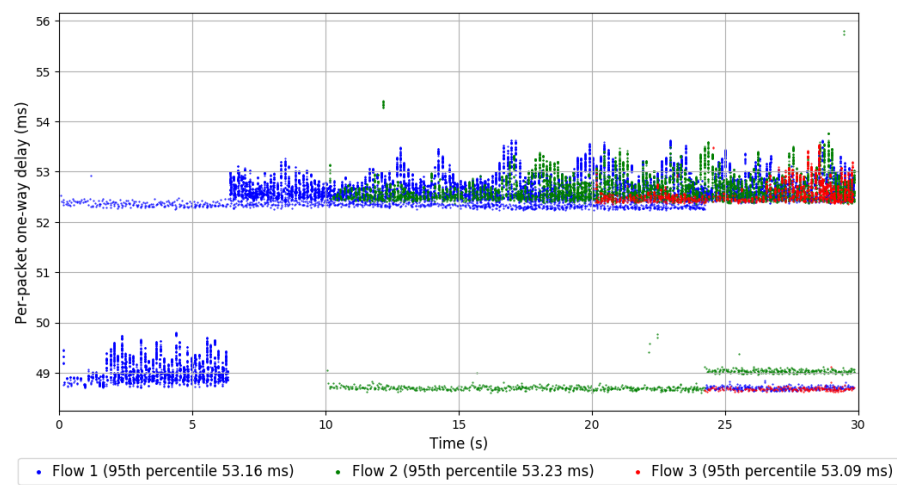
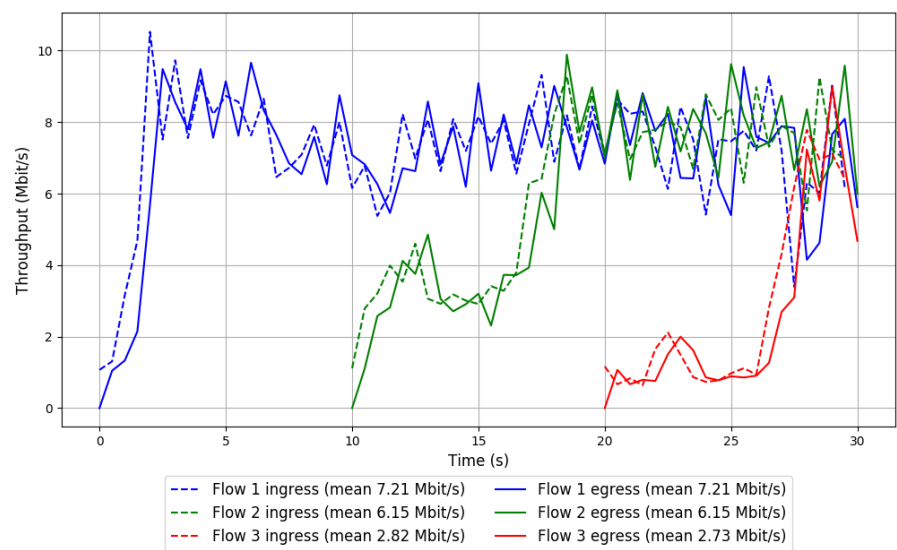


Run 10: Statistics of Sprout

Start at: 2018-08-04 04:40:15
End at: 2018-08-04 04:40:45
Local clock offset: -0.063 ms
Remote clock offset: 1.063 ms

Below is generated by plot.py at 2018-08-04 07:26:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.19 Mbit/s
95th percentile per-packet one-way delay: 53.182 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 53.165 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 6.15 Mbit/s
95th percentile per-packet one-way delay: 53.232 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 2.73 Mbit/s
95th percentile per-packet one-way delay: 53.085 ms
Loss rate: 4.16%

Run 10: Report of Sprout — Data Link

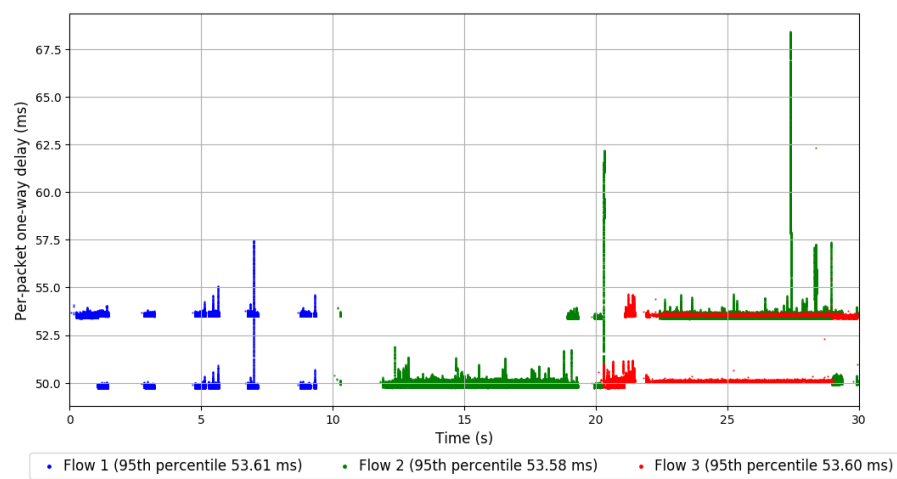
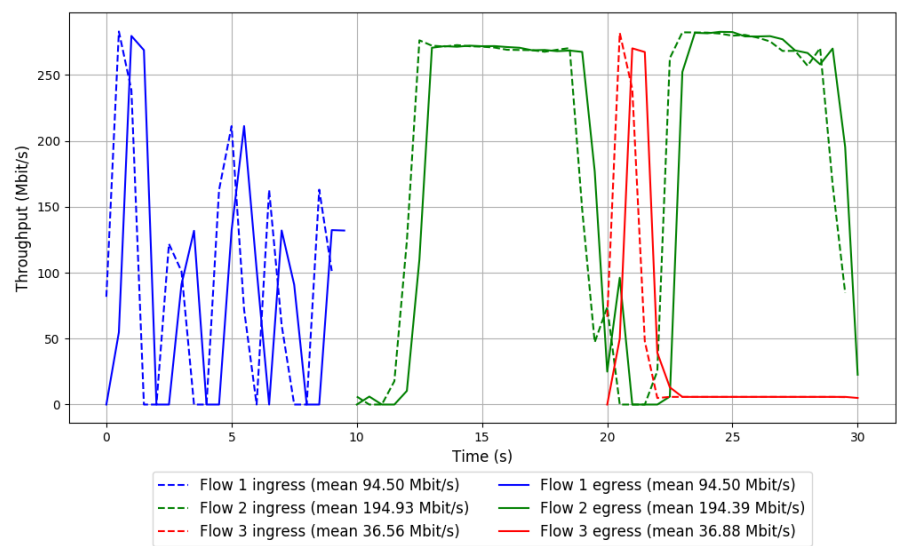


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-04 00:30:01
End at: 2018-08-04 00:30:31
Local clock offset: 0.027 ms
Remote clock offset: -0.055 ms

# Below is generated by plot.py at 2018-08-04 07:26:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 170.81 Mbit/s
95th percentile per-packet one-way delay: 53.589 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 94.50 Mbit/s
95th percentile per-packet one-way delay: 53.607 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 194.39 Mbit/s
95th percentile per-packet one-way delay: 53.580 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 36.88 Mbit/s
95th percentile per-packet one-way delay: 53.600 ms
Loss rate: 0.17%
```


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

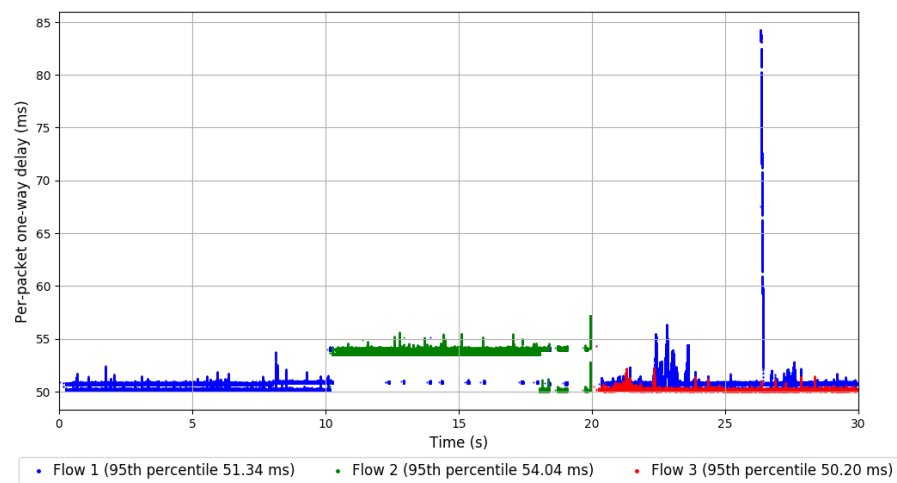
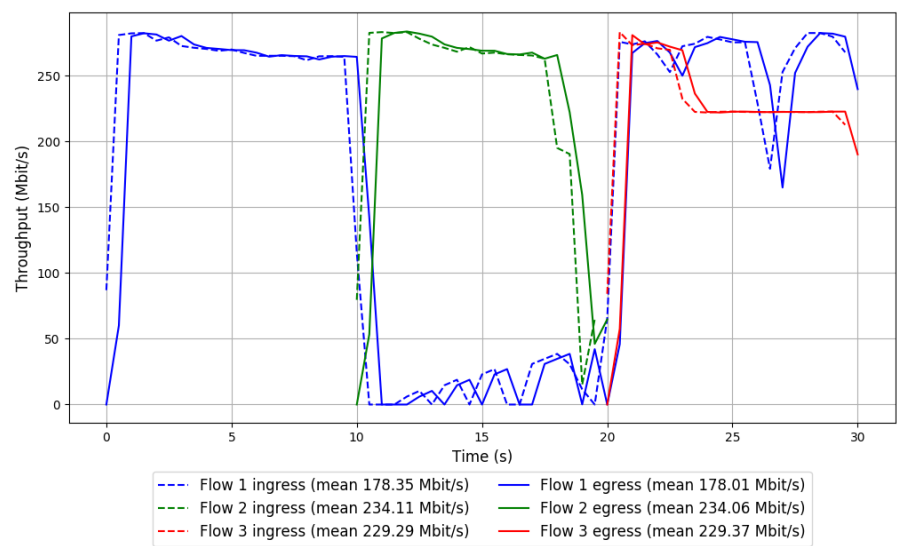


Run 2: Statistics of TaoVA-100x

Start at: 2018-08-04 00:55:22
End at: 2018-08-04 00:55:52
Local clock offset: 0.026 ms
Remote clock offset: -0.306 ms

Below is generated by plot.py at 2018-08-04 07:31:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 331.28 Mbit/s
95th percentile per-packet one-way delay: 53.998 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 178.01 Mbit/s
95th percentile per-packet one-way delay: 51.344 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 234.06 Mbit/s
95th percentile per-packet one-way delay: 54.038 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 229.37 Mbit/s
95th percentile per-packet one-way delay: 50.205 ms
Loss rate: 0.98%

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

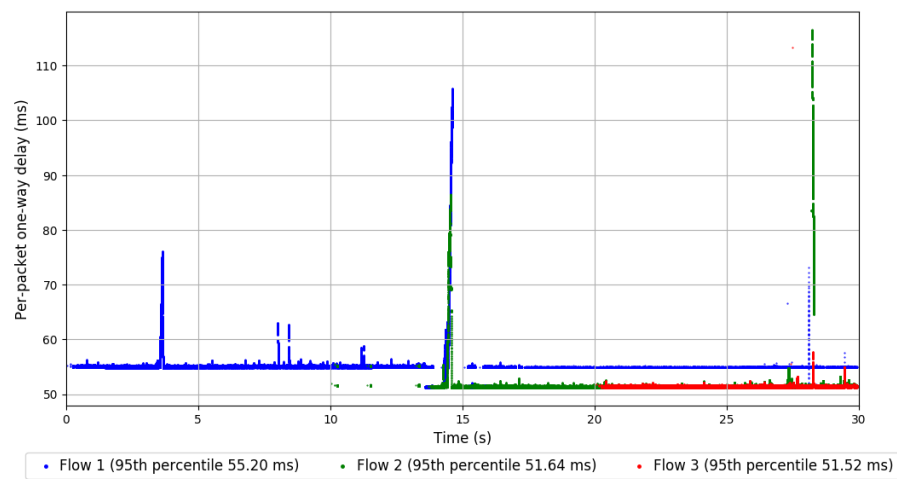
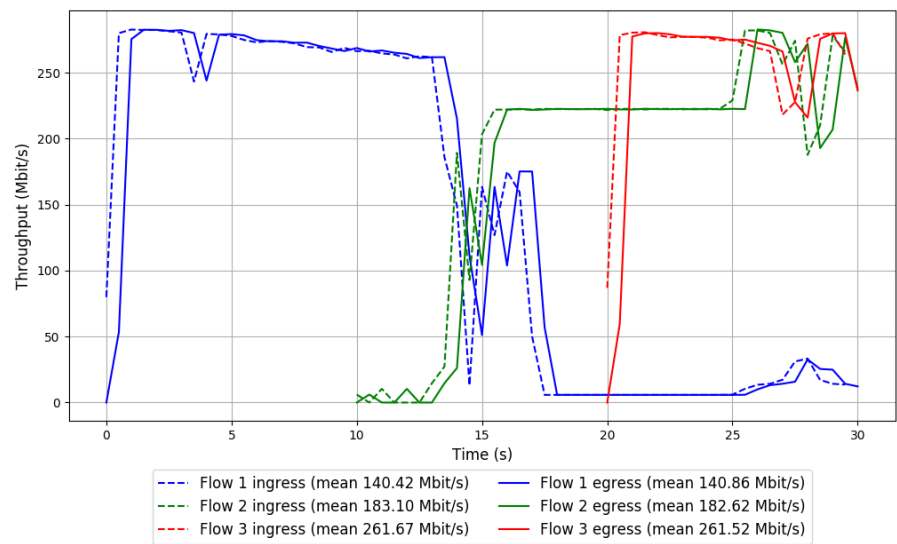


Run 3: Statistics of TaoVA-100x

Start at: 2018-08-04 01:20:48
End at: 2018-08-04 01:21:18
Local clock offset: 0.164 ms
Remote clock offset: -1.382 ms

Below is generated by plot.py at 2018-08-04 07:31:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 348.71 Mbit/s
95th percentile per-packet one-way delay: 55.164 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 140.86 Mbit/s
95th percentile per-packet one-way delay: 55.202 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 182.62 Mbit/s
95th percentile per-packet one-way delay: 51.641 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 261.52 Mbit/s
95th percentile per-packet one-way delay: 51.522 ms
Loss rate: 1.07%

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

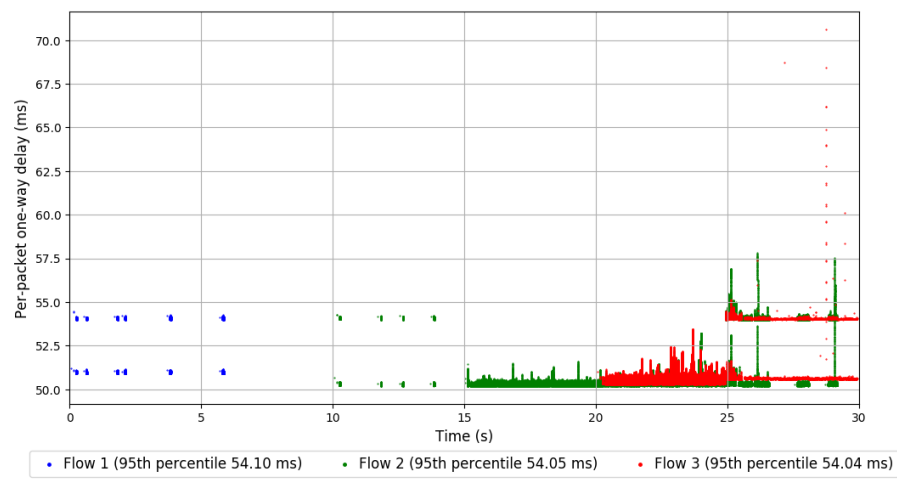
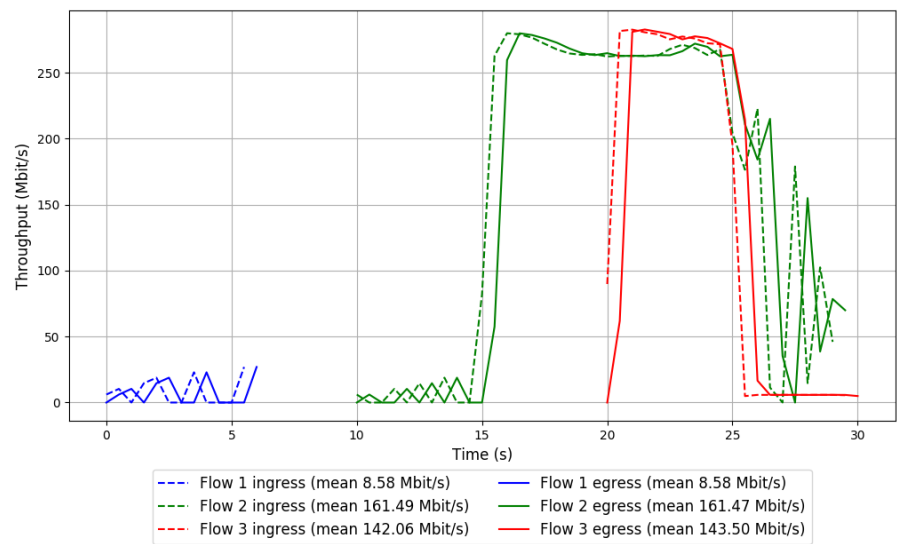


Run 4: Statistics of TaoVA-100x

Start at: 2018-08-04 01:46:27
End at: 2018-08-04 01:46:57
Local clock offset: -0.035 ms
Remote clock offset: -0.672 ms

Below is generated by plot.py at 2018-08-04 07:31:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 152.30 Mbit/s
95th percentile per-packet one-way delay: 54.056 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 8.58 Mbit/s
95th percentile per-packet one-way delay: 54.102 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 161.47 Mbit/s
95th percentile per-packet one-way delay: 54.055 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 143.50 Mbit/s
95th percentile per-packet one-way delay: 54.036 ms
Loss rate: 0.04%

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

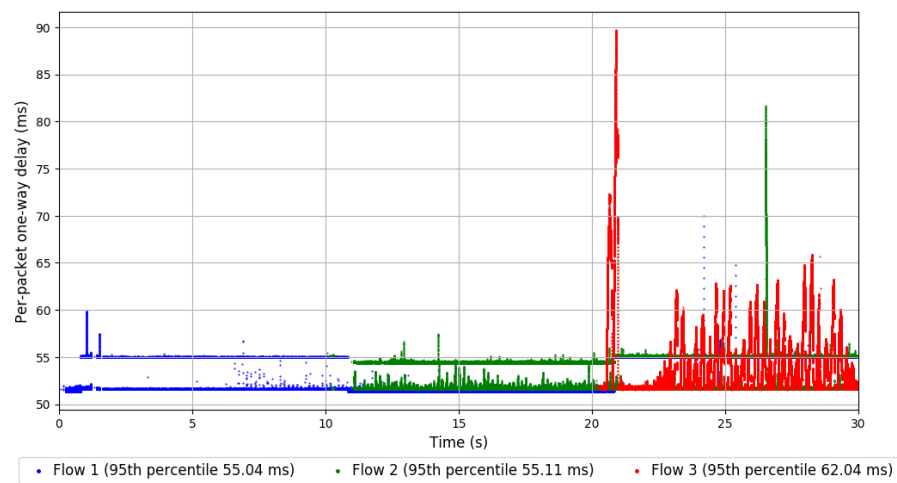
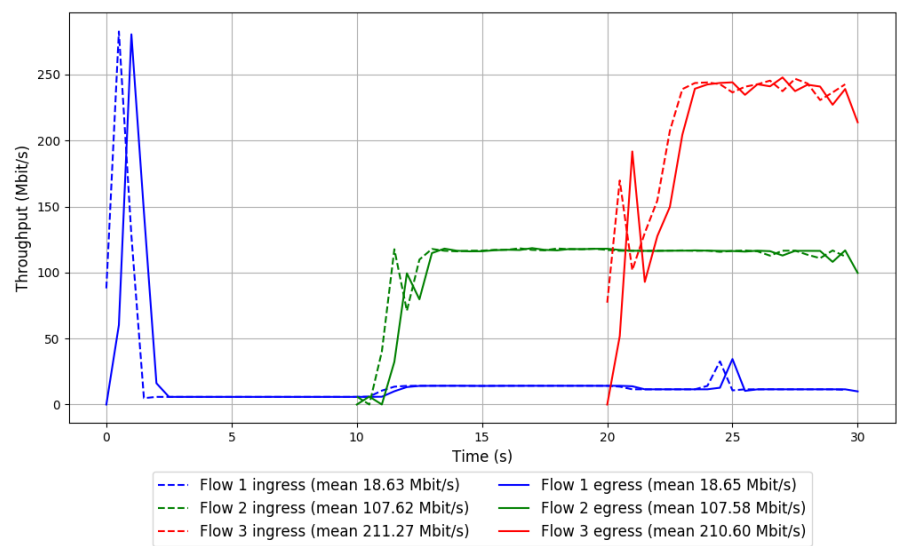


Run 5: Statistics of TaoVA-100x

Start at: 2018-08-04 02:11:59
End at: 2018-08-04 02:12:29
Local clock offset: 0.034 ms
Remote clock offset: -1.698 ms

Below is generated by plot.py at 2018-08-04 07:31:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 159.70 Mbit/s
95th percentile per-packet one-way delay: 59.476 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 18.65 Mbit/s
95th percentile per-packet one-way delay: 55.038 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 107.58 Mbit/s
95th percentile per-packet one-way delay: 55.109 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 210.60 Mbit/s
95th percentile per-packet one-way delay: 62.037 ms
Loss rate: 1.37%

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

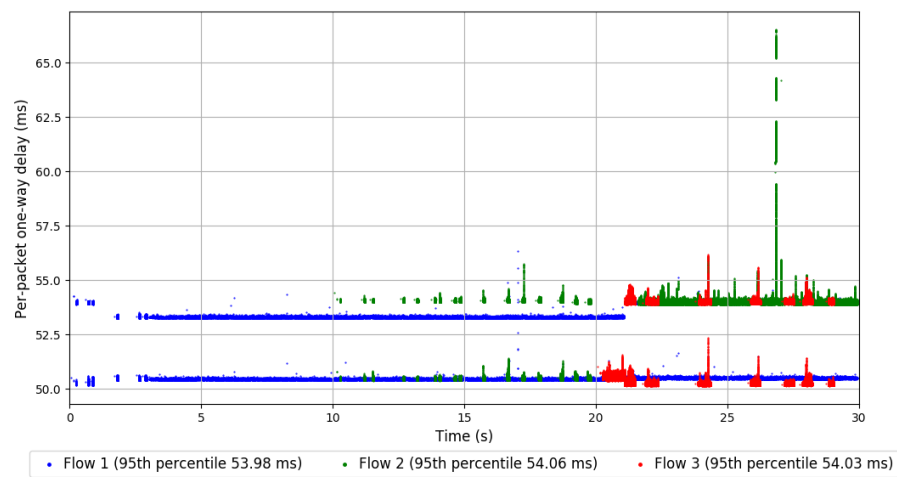
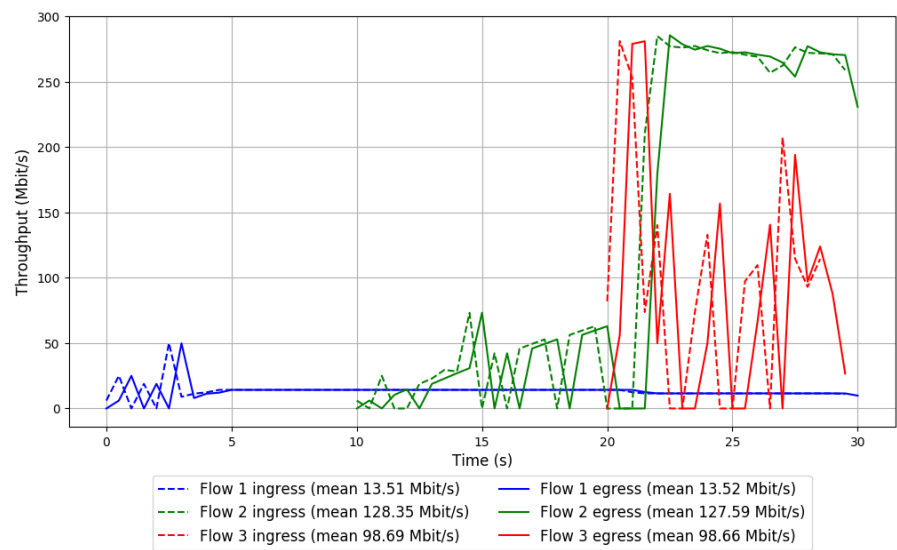


Run 6: Statistics of TaoVA-100x

Start at: 2018-08-04 02:37:11
End at: 2018-08-04 02:37:41
Local clock offset: 0.056 ms
Remote clock offset: -0.457 ms

Below is generated by plot.py at 2018-08-04 07:31:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 128.02 Mbit/s
95th percentile per-packet one-way delay: 54.047 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 13.52 Mbit/s
95th percentile per-packet one-way delay: 53.975 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 127.59 Mbit/s
95th percentile per-packet one-way delay: 54.056 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 98.66 Mbit/s
95th percentile per-packet one-way delay: 54.035 ms
Loss rate: 0.00%

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

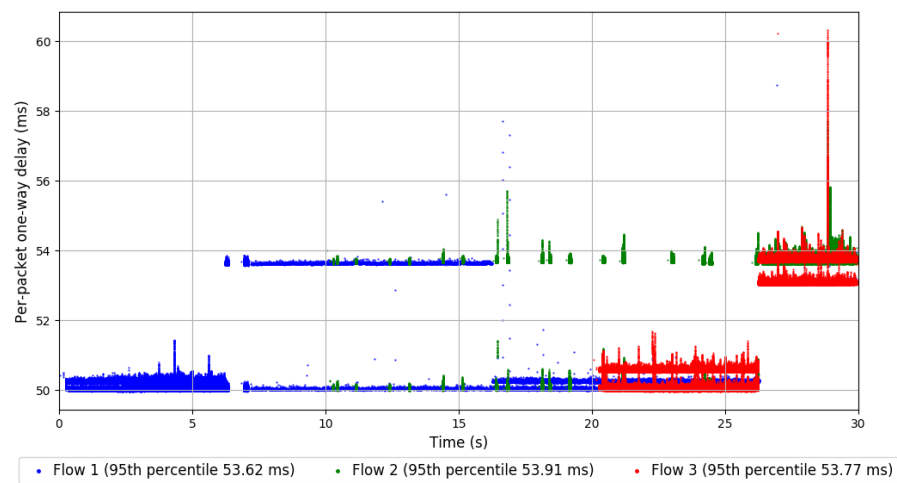
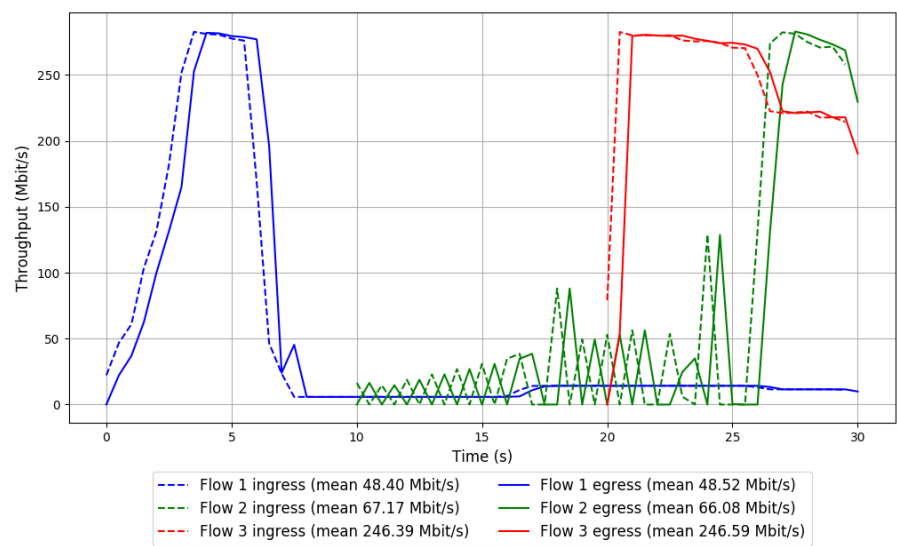


Run 7: Statistics of TaoVA-100x

Start at: 2018-08-04 03:02:36
End at: 2018-08-04 03:03:06
Local clock offset: 0.279 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-08-04 07:31:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 173.87 Mbit/s
95th percentile per-packet one-way delay: 53.801 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 48.52 Mbit/s
95th percentile per-packet one-way delay: 53.616 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 66.08 Mbit/s
95th percentile per-packet one-way delay: 53.906 ms
Loss rate: 2.15%
-- Flow 3:
Average throughput: 246.59 Mbit/s
95th percentile per-packet one-way delay: 53.772 ms
Loss rate: 0.97%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-08-04 03:28:04

End at: 2018-08-04 03:28:34

Local clock offset: -0.017 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-08-04 07:32:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 215.82 Mbit/s

95th percentile per-packet one-way delay: 53.454 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 196.50 Mbit/s

95th percentile per-packet one-way delay: 53.453 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 25.64 Mbit/s

95th percentile per-packet one-way delay: 53.459 ms

Loss rate: 0.30%

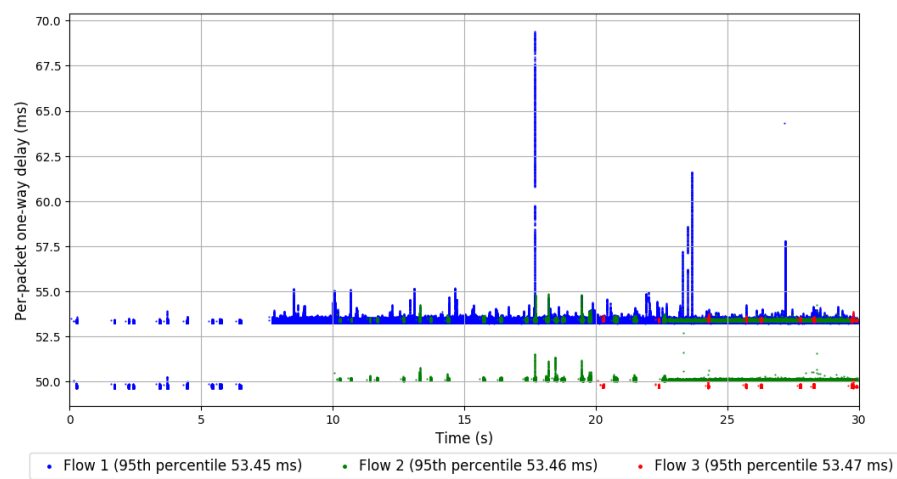
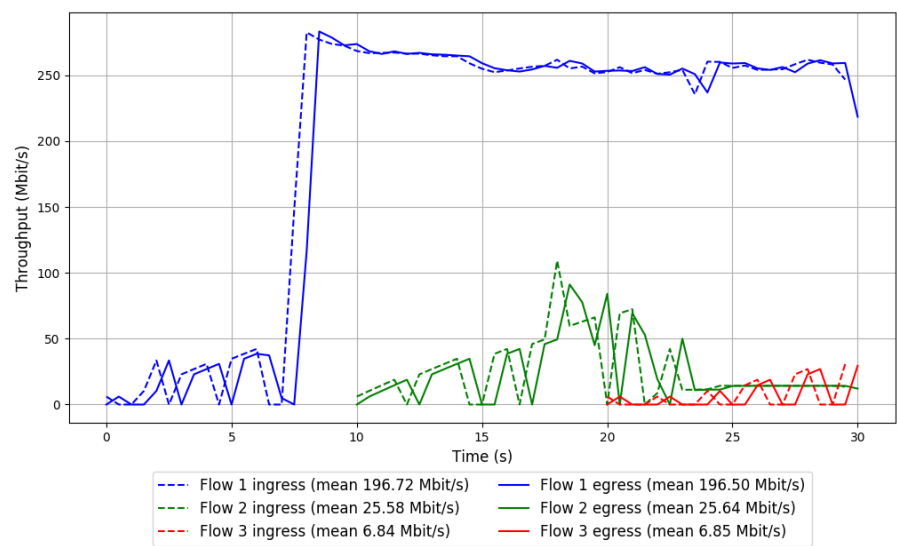
-- Flow 3:

Average throughput: 6.85 Mbit/s

95th percentile per-packet one-way delay: 53.468 ms

Loss rate: 0.93%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-08-04 03:53:00

End at: 2018-08-04 03:53:30

Local clock offset: 0.003 ms

Remote clock offset: 1.145 ms

Below is generated by plot.py at 2018-08-04 07:32:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 29.80 Mbit/s

95th percentile per-packet one-way delay: 53.500 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 23.28 Mbit/s

95th percentile per-packet one-way delay: 61.494 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 13.83 Mbit/s

95th percentile per-packet one-way delay: 52.450 ms

Loss rate: 0.00%

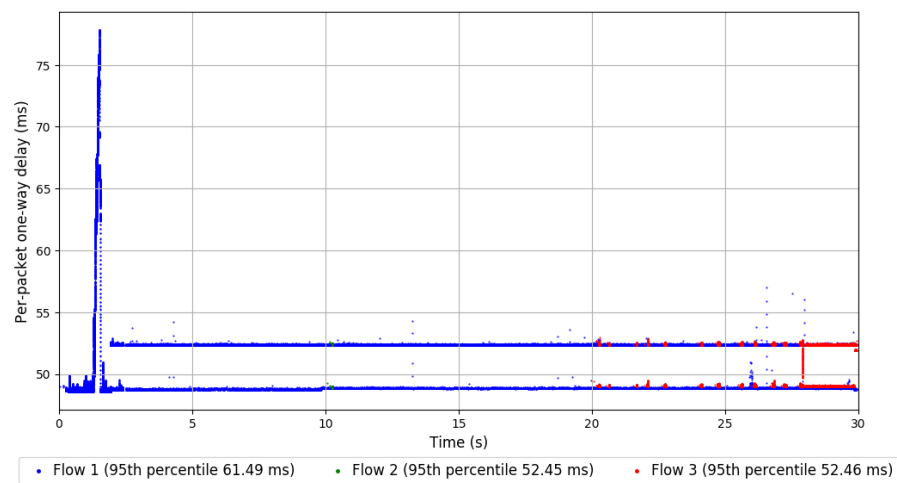
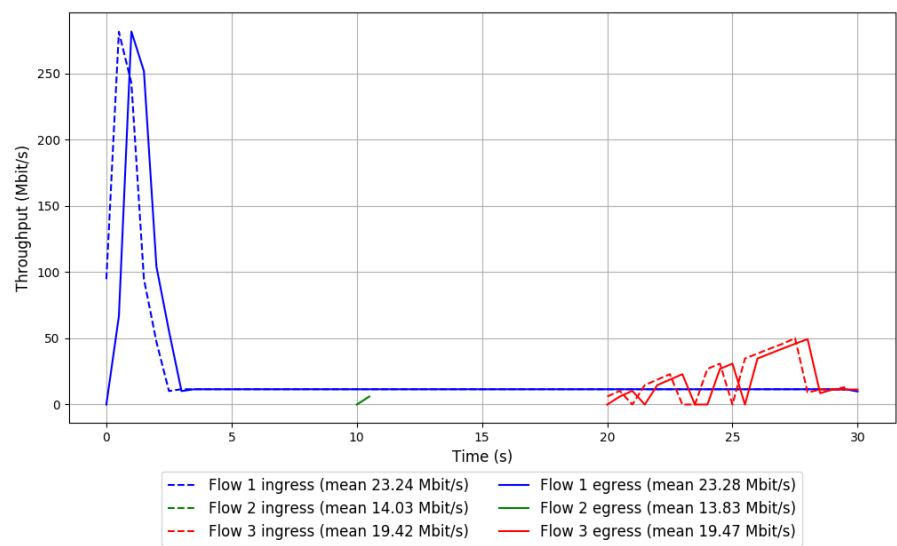
-- Flow 3:

Average throughput: 19.47 Mbit/s

95th percentile per-packet one-way delay: 52.458 ms

Loss rate: 0.78%

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

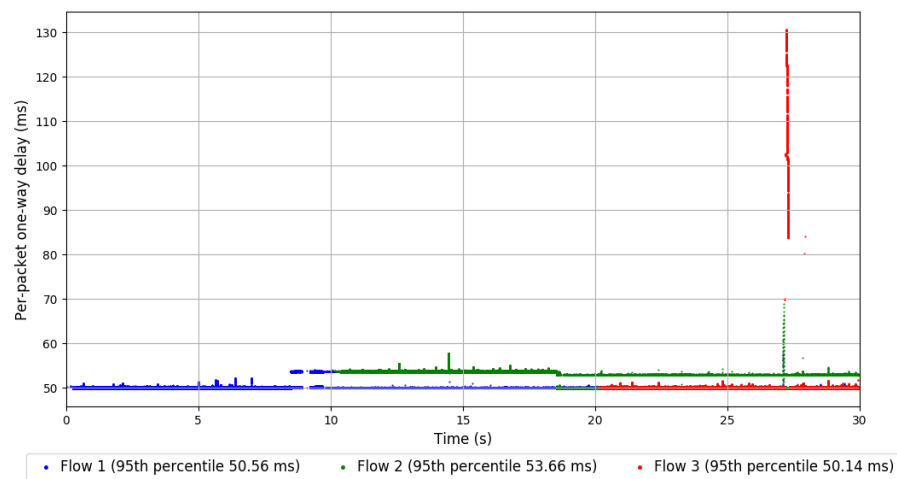
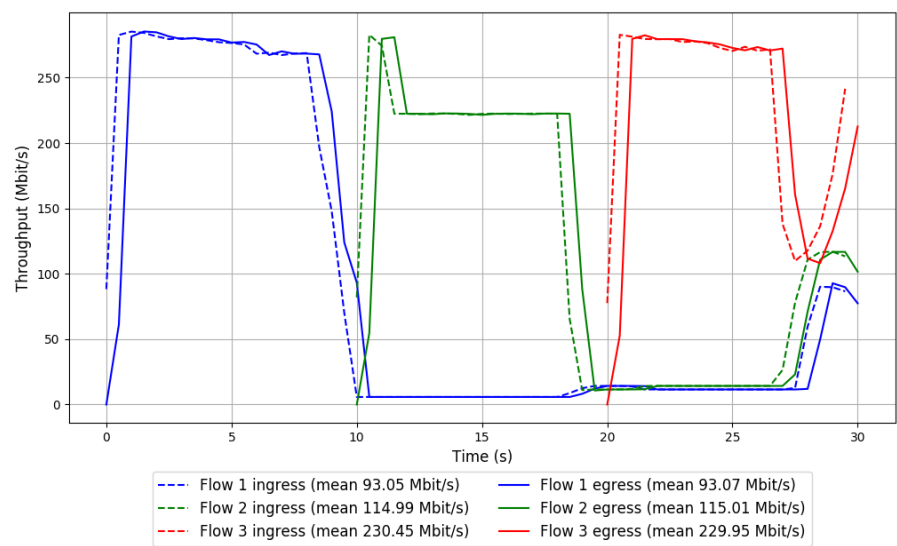


Run 10: Statistics of TaoVA-100x

Start at: 2018-08-04 04:18:13
End at: 2018-08-04 04:18:43
Local clock offset: -0.106 ms
Remote clock offset: -0.145 ms

Below is generated by plot.py at 2018-08-04 07:34:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 245.42 Mbit/s
95th percentile per-packet one-way delay: 53.627 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 93.07 Mbit/s
95th percentile per-packet one-way delay: 50.557 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 115.01 Mbit/s
95th percentile per-packet one-way delay: 53.657 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 229.95 Mbit/s
95th percentile per-packet one-way delay: 50.140 ms
Loss rate: 1.22%

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

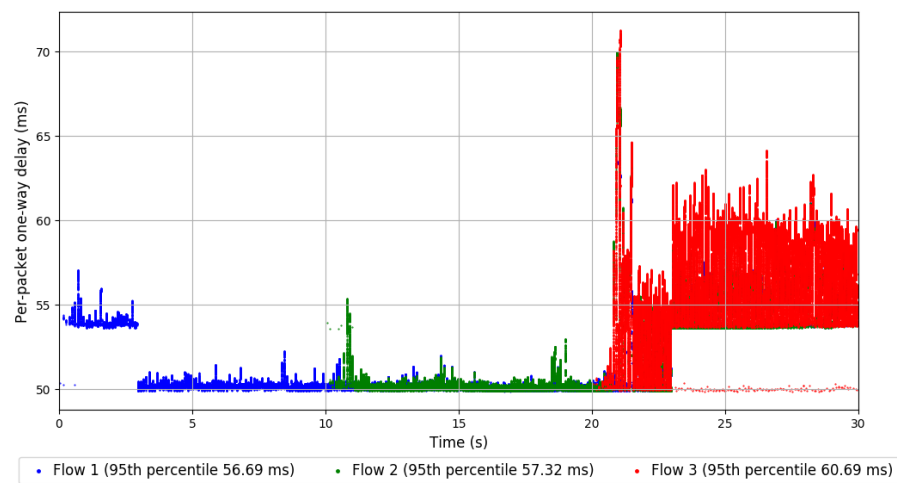
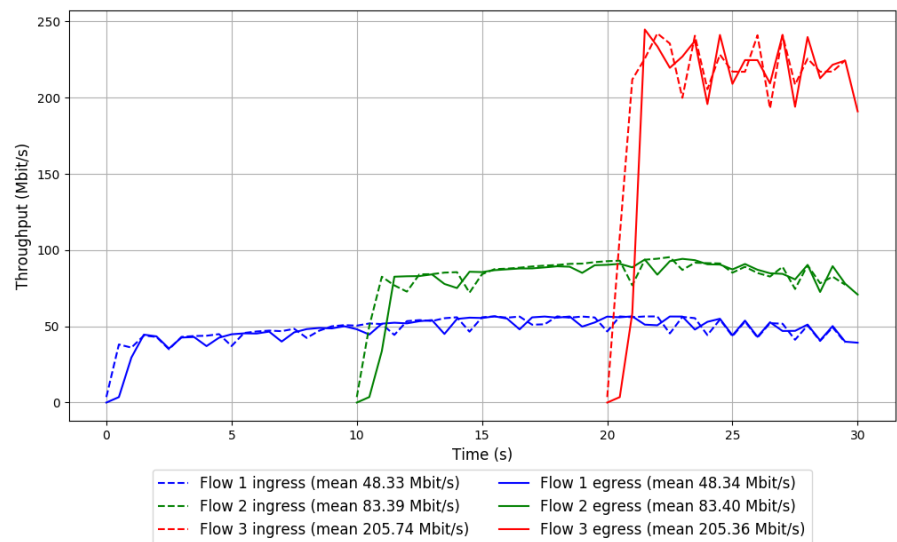


Run 1: Statistics of TCP Vegas

Start at: 2018-08-04 00:44:39
End at: 2018-08-04 00:45:09
Local clock offset: 0.006 ms
Remote clock offset: -0.173 ms

Below is generated by plot.py at 2018-08-04 07:34:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 171.56 Mbit/s
95th percentile per-packet one-way delay: 59.857 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 48.34 Mbit/s
95th percentile per-packet one-way delay: 56.691 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 83.40 Mbit/s
95th percentile per-packet one-way delay: 57.322 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 205.36 Mbit/s
95th percentile per-packet one-way delay: 60.685 ms
Loss rate: 1.23%

Run 1: Report of TCP Vegas — Data Link

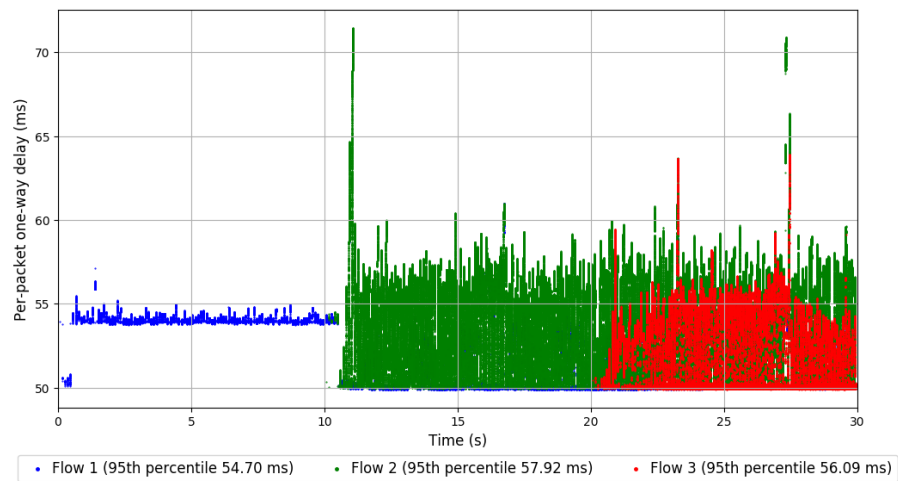
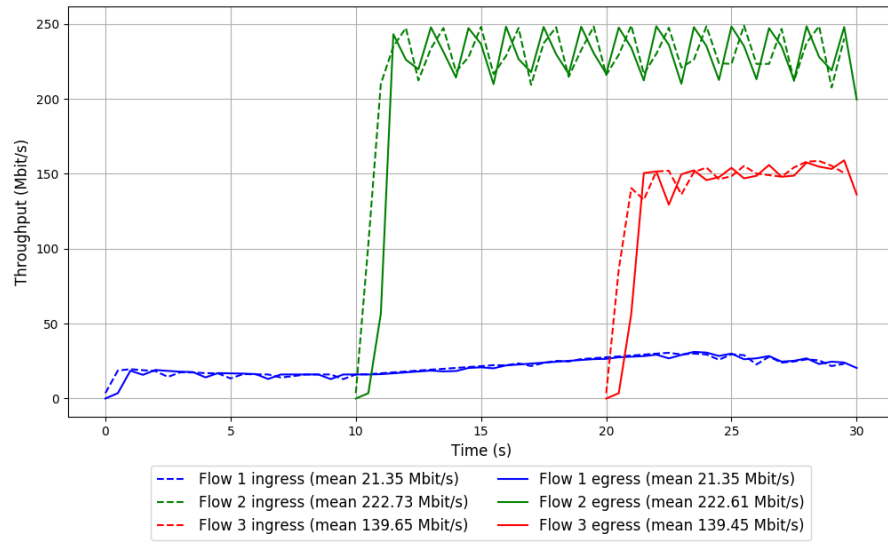


Run 2: Statistics of TCP Vegas

Start at: 2018-08-04 01:10:11
End at: 2018-08-04 01:10:41
Local clock offset: 0.106 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-08-04 07:34:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 215.30 Mbit/s
95th percentile per-packet one-way delay: 57.616 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 21.35 Mbit/s
95th percentile per-packet one-way delay: 54.704 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 222.61 Mbit/s
95th percentile per-packet one-way delay: 57.920 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 139.45 Mbit/s
95th percentile per-packet one-way delay: 56.089 ms
Loss rate: 1.15%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-08-04 01:35:39

End at: 2018-08-04 01:36:09

Local clock offset: 0.059 ms

Remote clock offset: 1.03 ms

Below is generated by plot.py at 2018-08-04 07:34:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 255.25 Mbit/s

95th percentile per-packet one-way delay: 59.642 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 215.55 Mbit/s

95th percentile per-packet one-way delay: 59.812 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 31.14 Mbit/s

95th percentile per-packet one-way delay: 57.255 ms

Loss rate: 0.37%

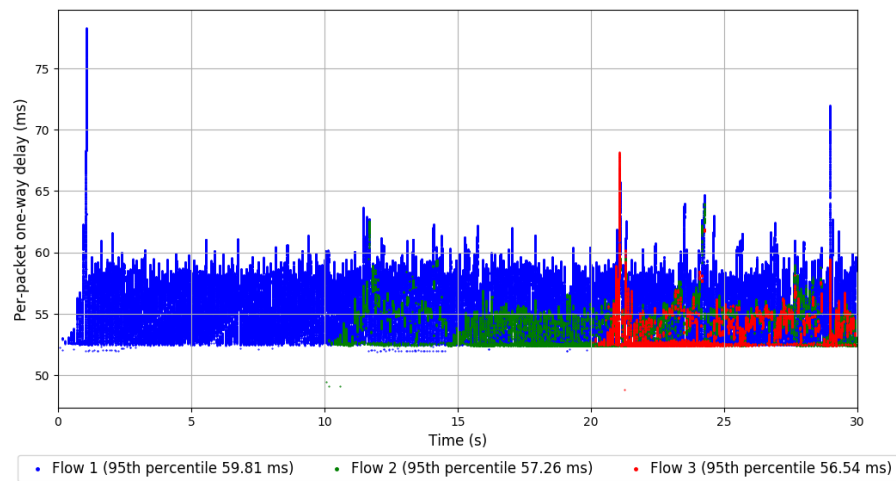
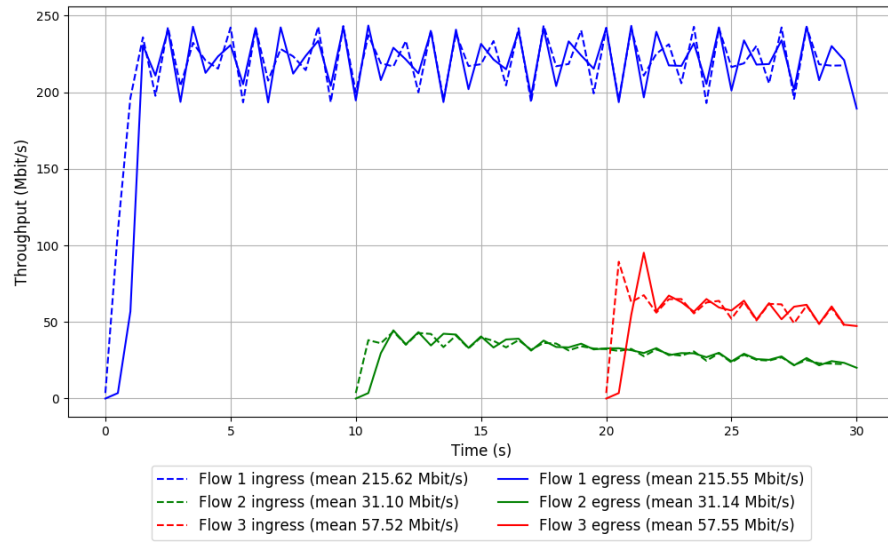
-- Flow 3:

Average throughput: 57.55 Mbit/s

95th percentile per-packet one-way delay: 56.541 ms

Loss rate: 1.03%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-08-04 02:01:16

End at: 2018-08-04 02:01:46

Local clock offset: 0.014 ms

Remote clock offset: 1.212 ms

Below is generated by plot.py at 2018-08-04 07:34:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 234.93 Mbit/s

95th percentile per-packet one-way delay: 53.353 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 141.76 Mbit/s

95th percentile per-packet one-way delay: 53.183 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 89.11 Mbit/s

95th percentile per-packet one-way delay: 53.194 ms

Loss rate: 0.58%

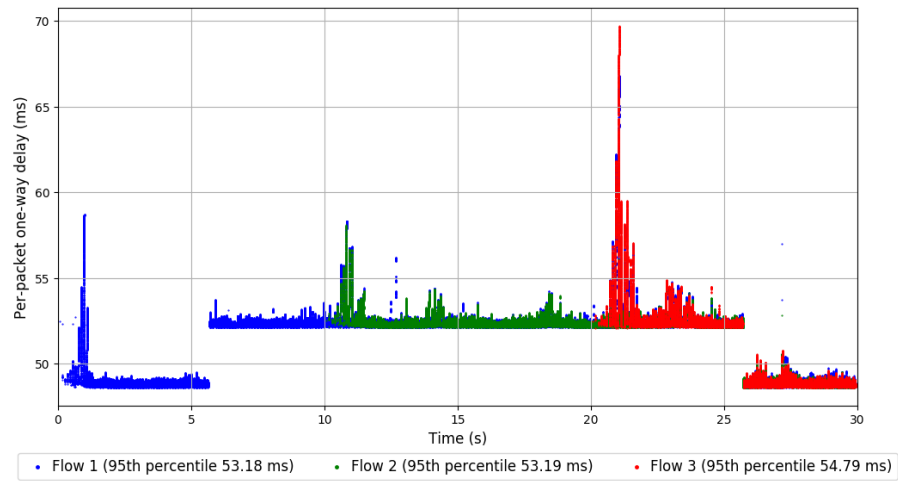
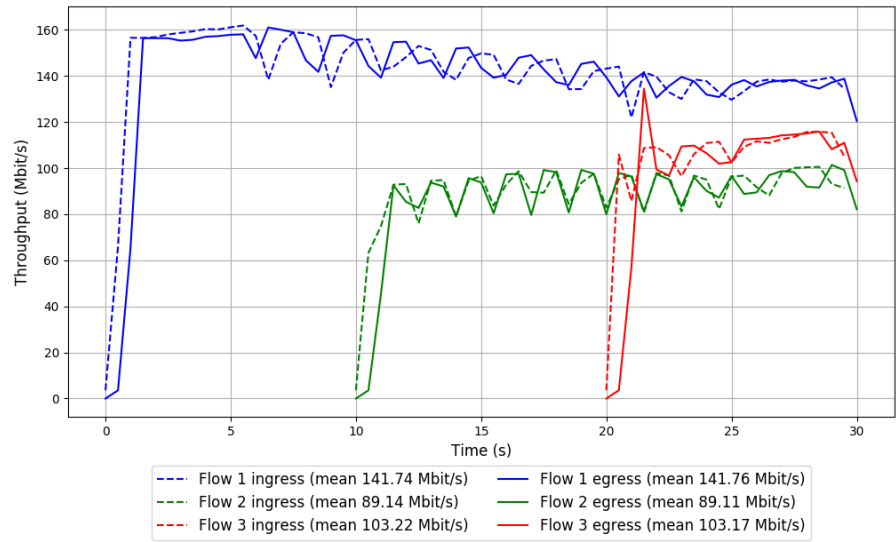
-- Flow 3:

Average throughput: 103.17 Mbit/s

95th percentile per-packet one-way delay: 54.790 ms

Loss rate: 1.12%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-08-04 02:26:41

End at: 2018-08-04 02:27:11

Local clock offset: -0.047 ms

Remote clock offset: 0.074 ms

Below is generated by plot.py at 2018-08-04 07:35:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 248.68 Mbit/s

95th percentile per-packet one-way delay: 57.351 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 97.20 Mbit/s

95th percentile per-packet one-way delay: 54.435 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 225.25 Mbit/s

95th percentile per-packet one-way delay: 57.816 ms

Loss rate: 0.55%

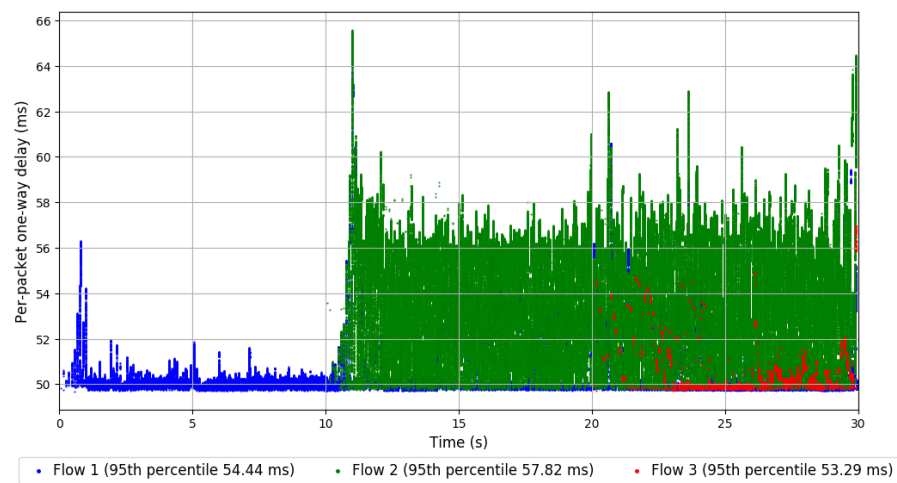
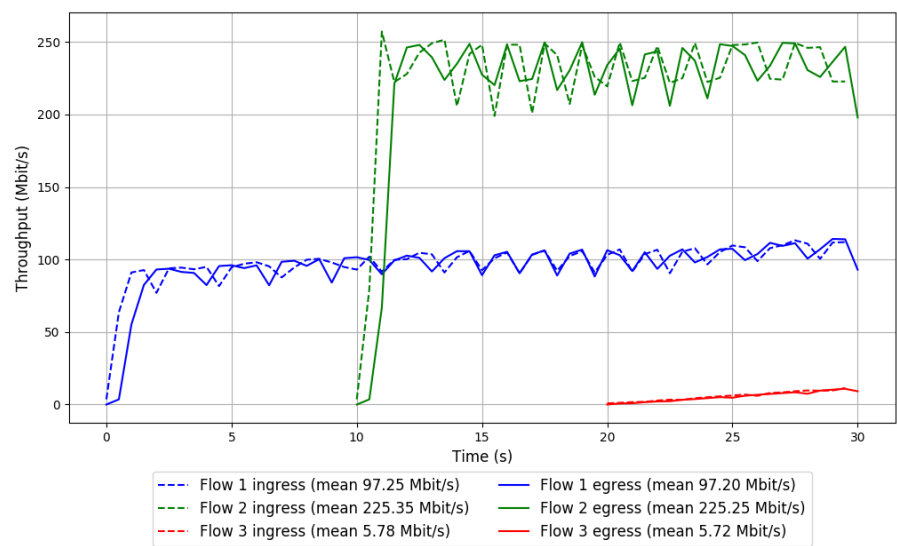
-- Flow 3:

Average throughput: 5.72 Mbit/s

95th percentile per-packet one-way delay: 53.288 ms

Loss rate: 2.13%

Run 5: Report of TCP Vegas — Data Link

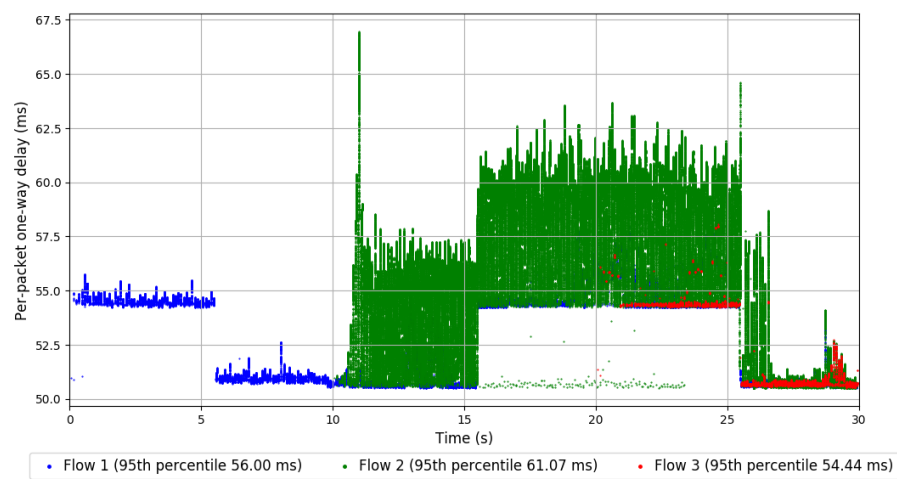
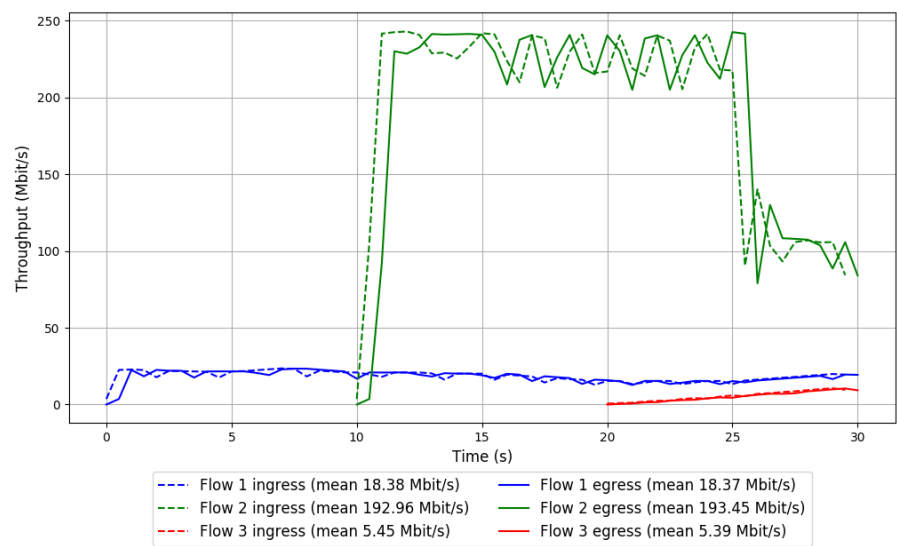


Run 6: Statistics of TCP Vegas

Start at: 2018-08-04 02:52:06
End at: 2018-08-04 02:52:36
Local clock offset: 0.285 ms
Remote clock offset: -0.557 ms

Below is generated by plot.py at 2018-08-04 07:35:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 148.57 Mbit/s
95th percentile per-packet one-way delay: 60.946 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 18.37 Mbit/s
95th percentile per-packet one-way delay: 56.003 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 193.45 Mbit/s
95th percentile per-packet one-way delay: 61.070 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 5.39 Mbit/s
95th percentile per-packet one-way delay: 54.442 ms
Loss rate: 2.23%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-08-04 03:17:17

End at: 2018-08-04 03:17:47

Local clock offset: 0.106 ms

Remote clock offset: 0.096 ms

Below is generated by plot.py at 2018-08-04 07:35:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 250.69 Mbit/s

95th percentile per-packet one-way delay: 61.076 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 39.73 Mbit/s

95th percentile per-packet one-way delay: 56.638 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 216.86 Mbit/s

95th percentile per-packet one-way delay: 60.942 ms

Loss rate: 0.55%

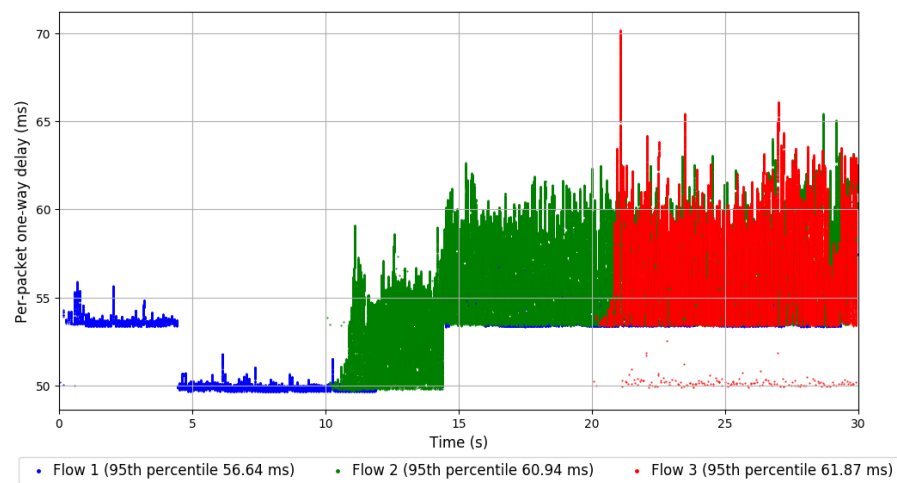
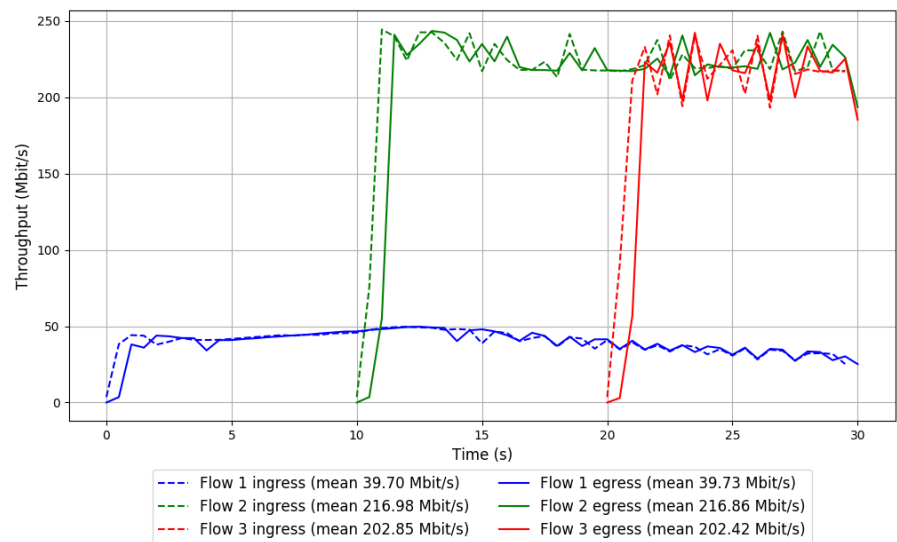
-- Flow 3:

Average throughput: 202.42 Mbit/s

95th percentile per-packet one-way delay: 61.874 ms

Loss rate: 1.19%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-08-04 03:42:40

End at: 2018-08-04 03:43:10

Local clock offset: -0.023 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-08-04 07:35:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 183.05 Mbit/s

95th percentile per-packet one-way delay: 54.289 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 110.57 Mbit/s

95th percentile per-packet one-way delay: 54.233 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 53.53 Mbit/s

95th percentile per-packet one-way delay: 54.063 ms

Loss rate: 0.42%

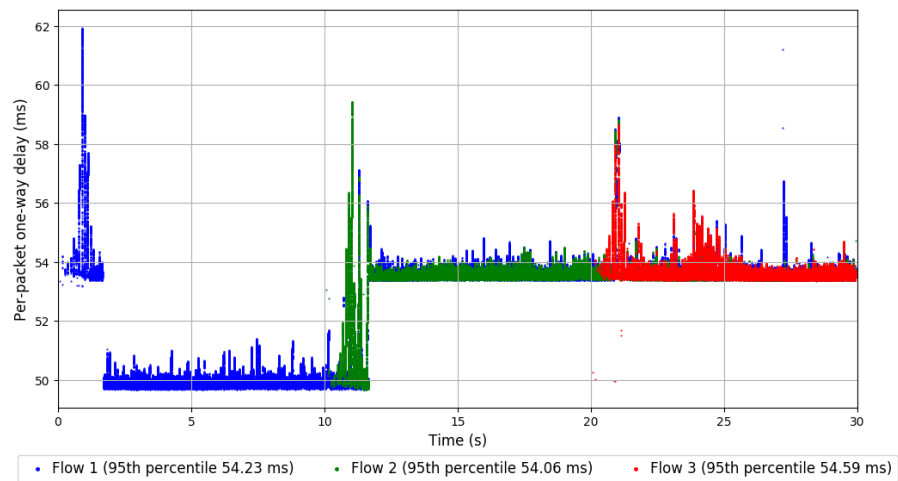
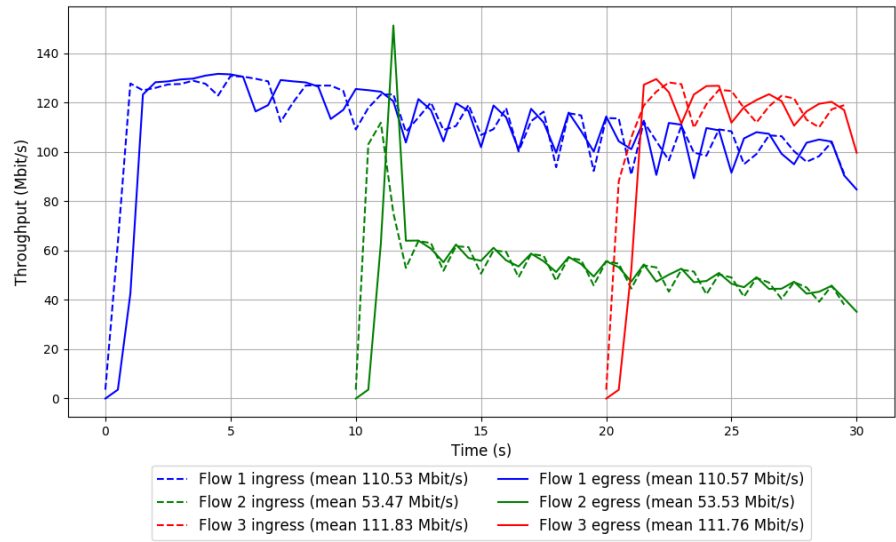
-- Flow 3:

Average throughput: 111.76 Mbit/s

95th percentile per-packet one-way delay: 54.590 ms

Loss rate: 1.08%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-08-04 04:07:31

End at: 2018-08-04 04:08:01

Local clock offset: 0.044 ms

Remote clock offset: -0.5 ms

Below is generated by plot.py at 2018-08-04 07:35:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 208.65 Mbit/s

95th percentile per-packet one-way delay: 54.764 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 90.68 Mbit/s

95th percentile per-packet one-way delay: 54.492 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 116.39 Mbit/s

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

Loss rate: 0.48%

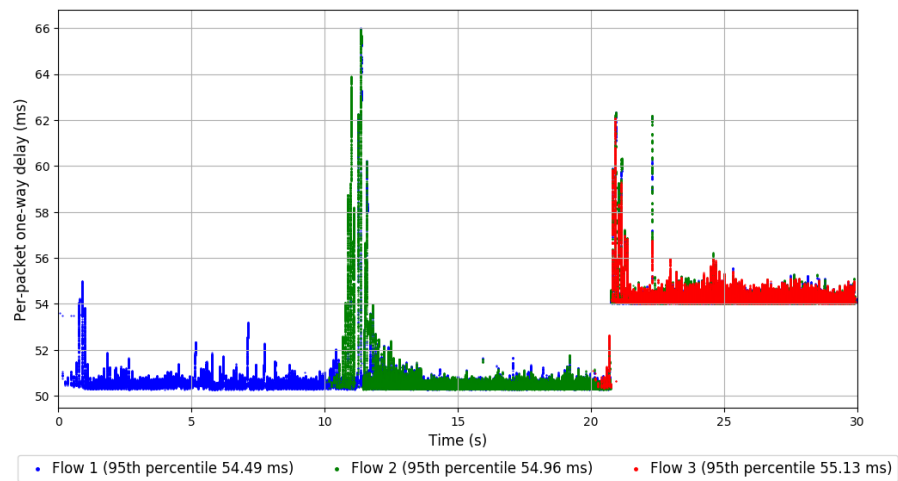
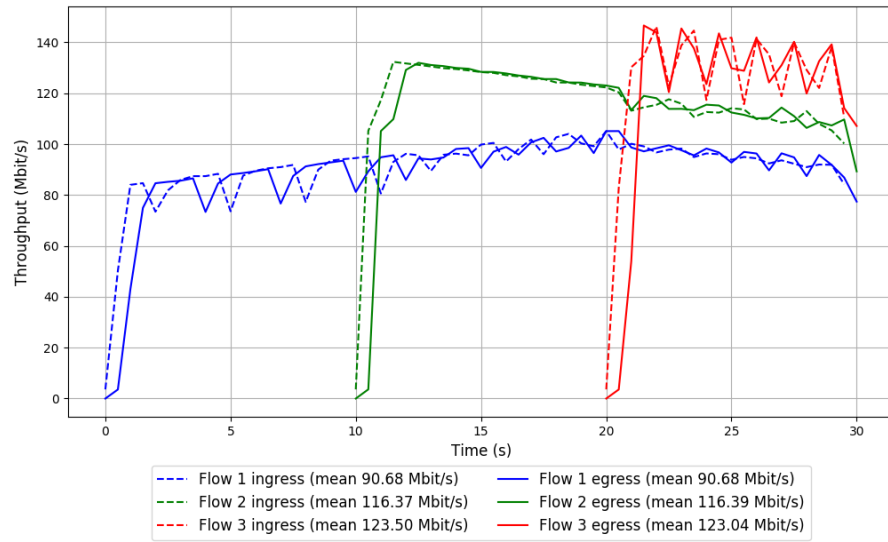
-- Flow 3:

Average throughput: 123.04 Mbit/s

95th percentile per-packet one-way delay: 55.135 ms

Loss rate: 1.12%

Run 9: Report of TCP Vegas — Data Link

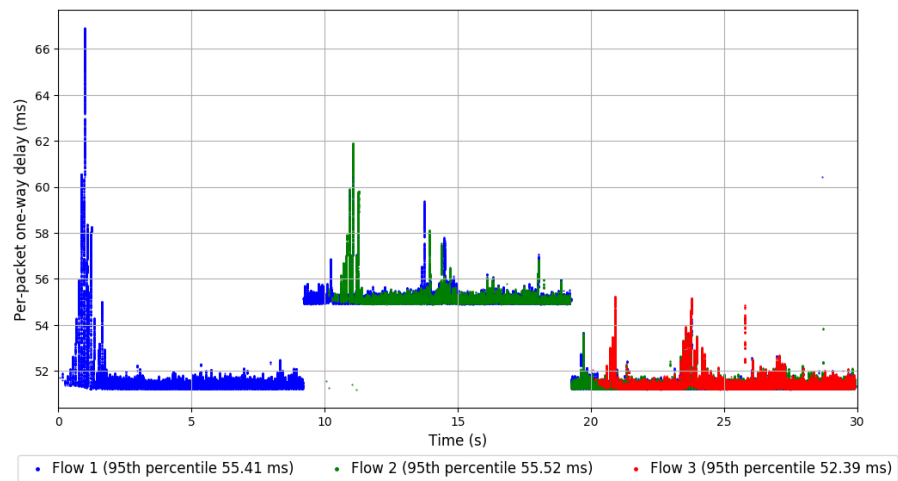
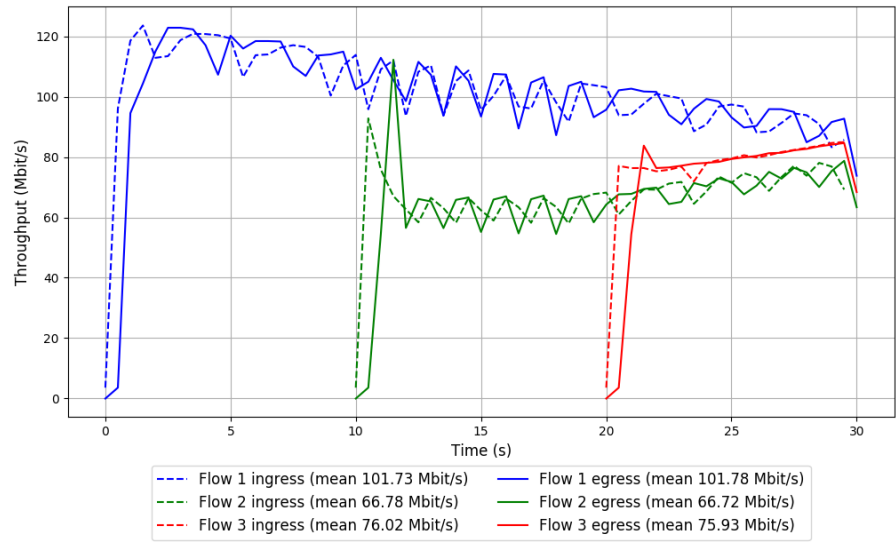


Run 10: Statistics of TCP Vegas

Start at: 2018-08-04 04:33:03
End at: 2018-08-04 04:33:33
Local clock offset: 0.055 ms
Remote clock offset: -1.413 ms

Below is generated by plot.py at 2018-08-04 07:35:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 171.11 Mbit/s
95th percentile per-packet one-way delay: 55.383 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 101.78 Mbit/s
95th percentile per-packet one-way delay: 55.409 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 66.72 Mbit/s
95th percentile per-packet one-way delay: 55.520 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 75.93 Mbit/s
95th percentile per-packet one-way delay: 52.388 ms
Loss rate: 1.13%

Run 10: Report of TCP Vegas — Data Link

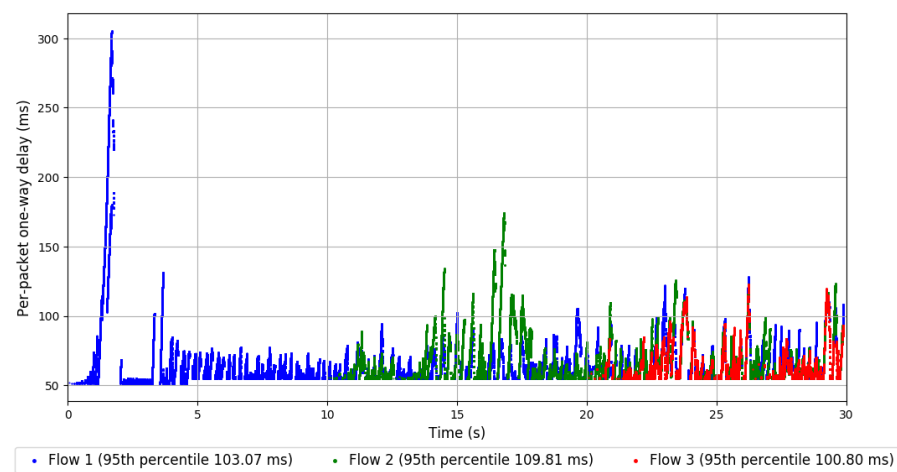
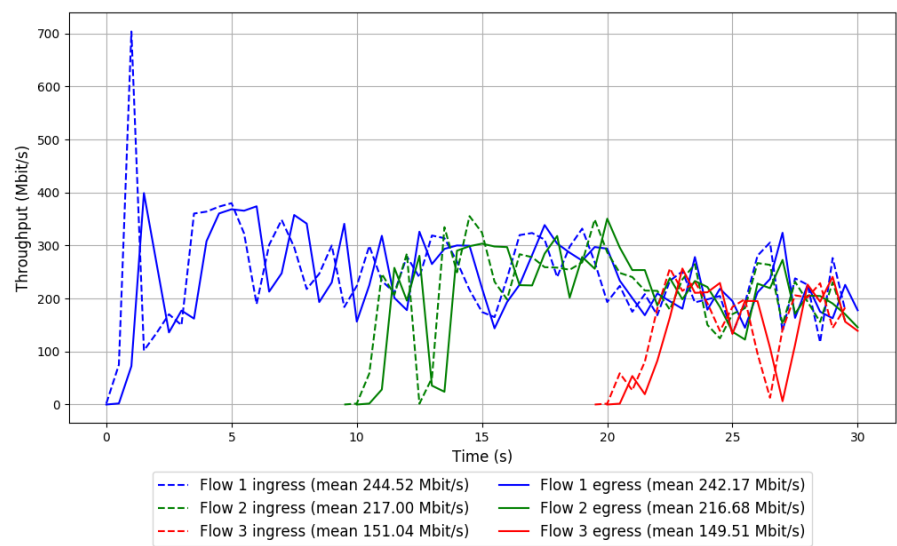


Run 1: Statistics of Verus

Start at: 2018-08-04 00:36:57
End at: 2018-08-04 00:37:27
Local clock offset: -0.012 ms
Remote clock offset: -1.566 ms

Below is generated by plot.py at 2018-08-04 07:40:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 435.37 Mbit/s
95th percentile per-packet one-way delay: 105.707 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 242.17 Mbit/s
95th percentile per-packet one-way delay: 103.072 ms
Loss rate: 1.30%
-- Flow 2:
Average throughput: 216.68 Mbit/s
95th percentile per-packet one-way delay: 109.808 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 149.51 Mbit/s
95th percentile per-packet one-way delay: 100.800 ms
Loss rate: 1.47%

Run 1: Report of Verus — Data Link

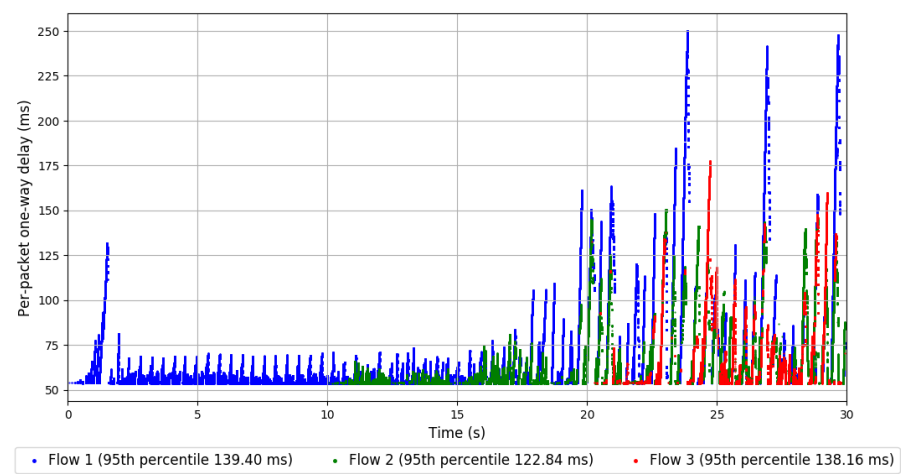
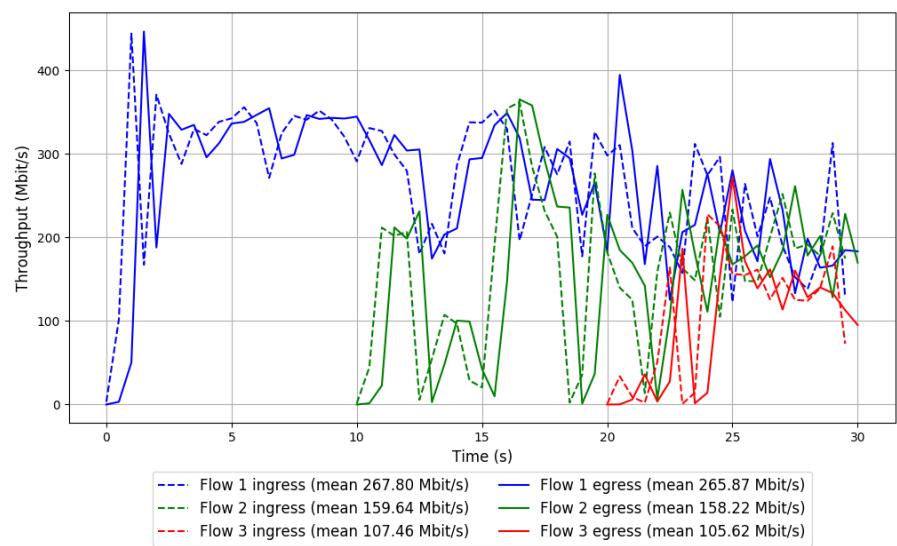


Run 2: Statistics of Verus

Start at: 2018-08-04 01:02:30
End at: 2018-08-04 01:03:00
Local clock offset: -0.015 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-08-04 07:40:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 405.52 Mbit/s
95th percentile per-packet one-way delay: 133.963 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 265.87 Mbit/s
95th percentile per-packet one-way delay: 139.399 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 158.22 Mbit/s
95th percentile per-packet one-way delay: 122.844 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 105.62 Mbit/s
95th percentile per-packet one-way delay: 138.163 ms
Loss rate: 2.86%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-08-04 01:27:56

End at: 2018-08-04 01:28:26

Local clock offset: 0.135 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-08-04 07:40:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 387.52 Mbit/s

95th percentile per-packet one-way delay: 115.352 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 224.16 Mbit/s

95th percentile per-packet one-way delay: 103.799 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 179.77 Mbit/s

95th percentile per-packet one-way delay: 106.540 ms

Loss rate: 1.07%

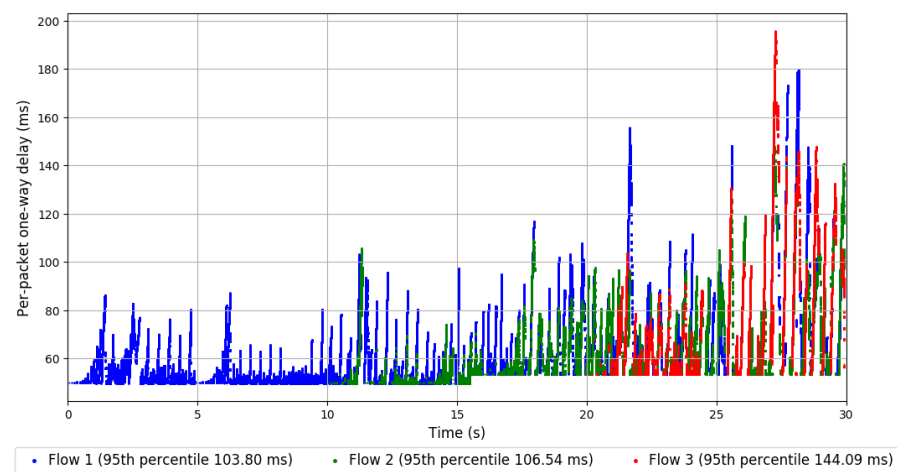
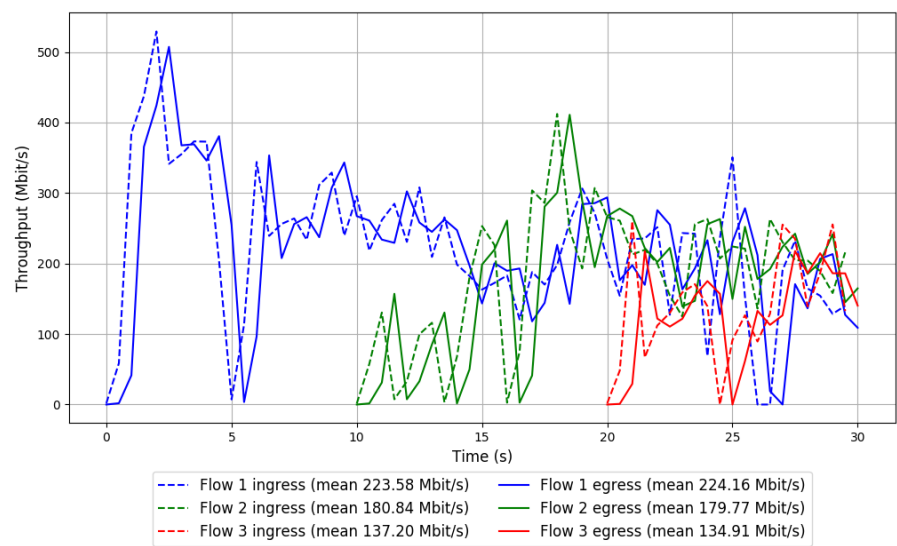
-- Flow 3:

Average throughput: 134.91 Mbit/s

95th percentile per-packet one-way delay: 144.093 ms

Loss rate: 2.74%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-08-04 01:53:20

End at: 2018-08-04 01:53:50

Local clock offset: 0.025 ms

Remote clock offset: 1.163 ms

Below is generated by plot.py at 2018-08-04 07:41:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 440.72 Mbit/s

95th percentile per-packet one-way delay: 103.137 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 256.92 Mbit/s

95th percentile per-packet one-way delay: 92.303 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 213.10 Mbit/s

95th percentile per-packet one-way delay: 120.798 ms

Loss rate: 0.88%

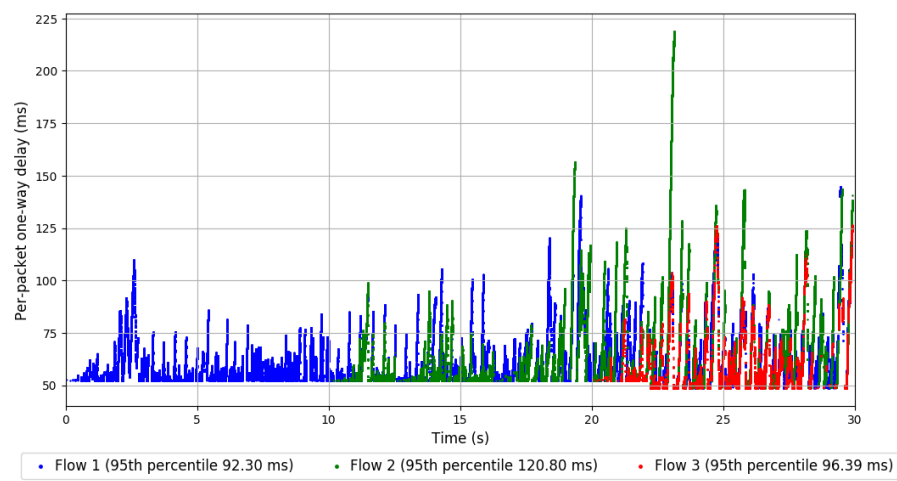
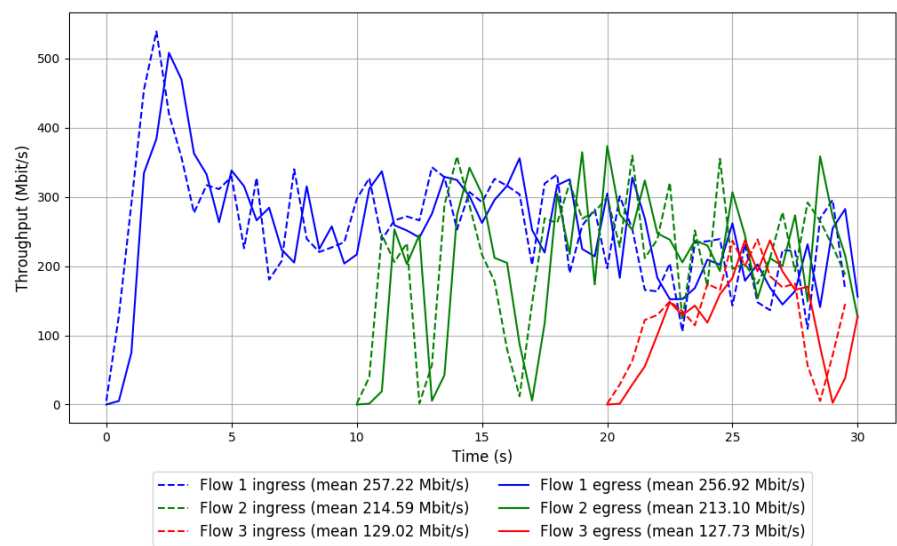
-- Flow 3:

Average throughput: 127.73 Mbit/s

95th percentile per-packet one-way delay: 96.391 ms

Loss rate: 2.07%

Run 4: Report of Verus — Data Link

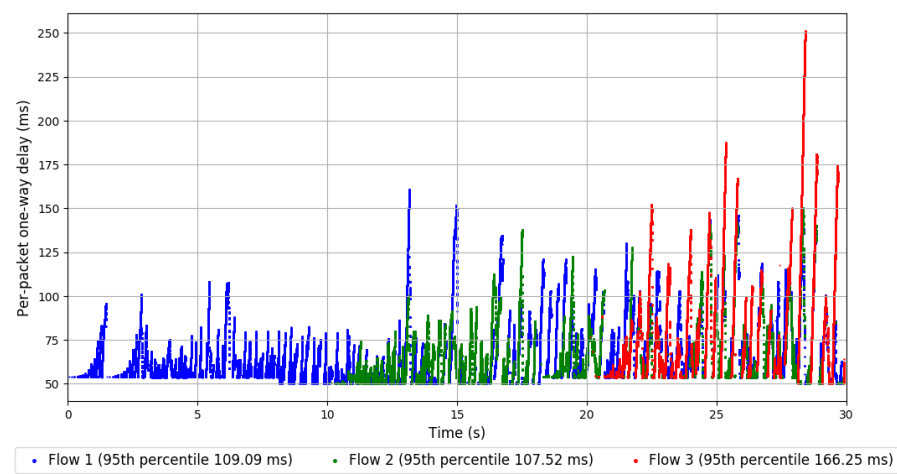
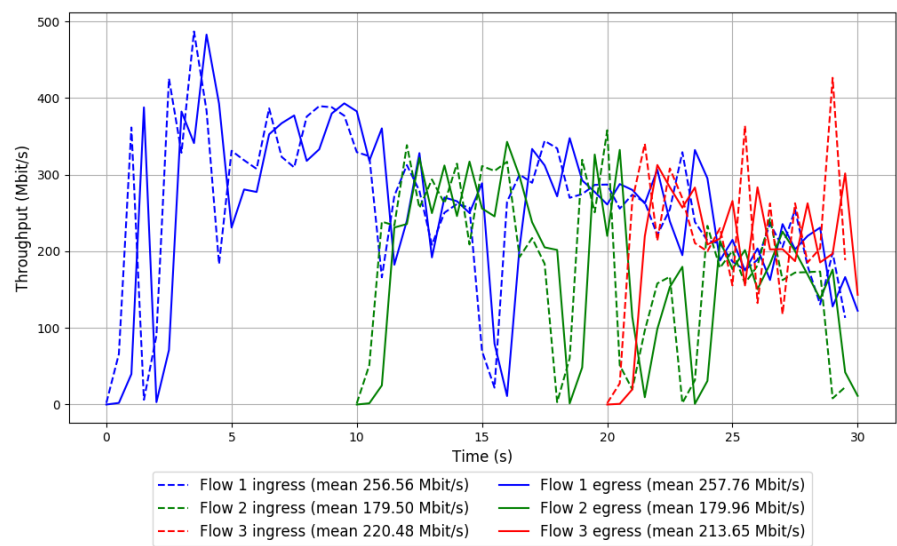


Run 5: Statistics of Verus

Start at: 2018-08-04 02:18:54
End at: 2018-08-04 02:19:24
Local clock offset: 0.016 ms
Remote clock offset: -0.363 ms

Below is generated by plot.py at 2018-08-04 07:42:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 446.27 Mbit/s
95th percentile per-packet one-way delay: 120.472 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 257.76 Mbit/s
95th percentile per-packet one-way delay: 109.089 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 179.96 Mbit/s
95th percentile per-packet one-way delay: 107.520 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 213.65 Mbit/s
95th percentile per-packet one-way delay: 166.249 ms
Loss rate: 4.07%

Run 5: Report of Verus — Data Link

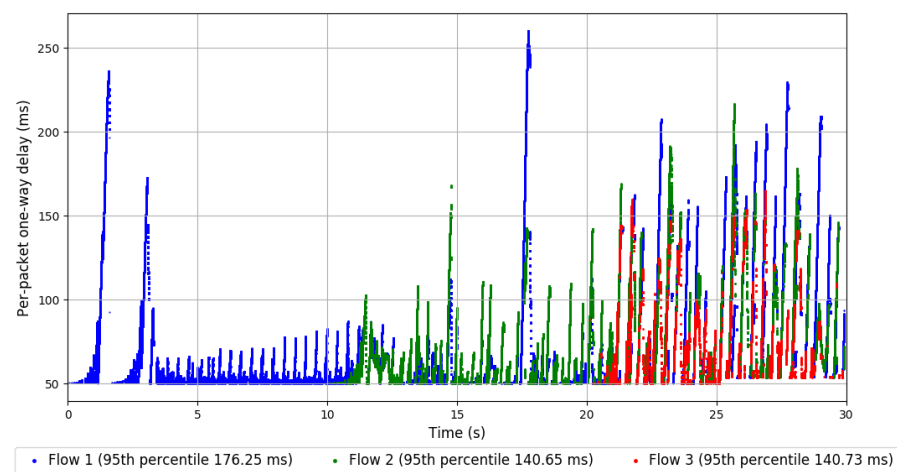
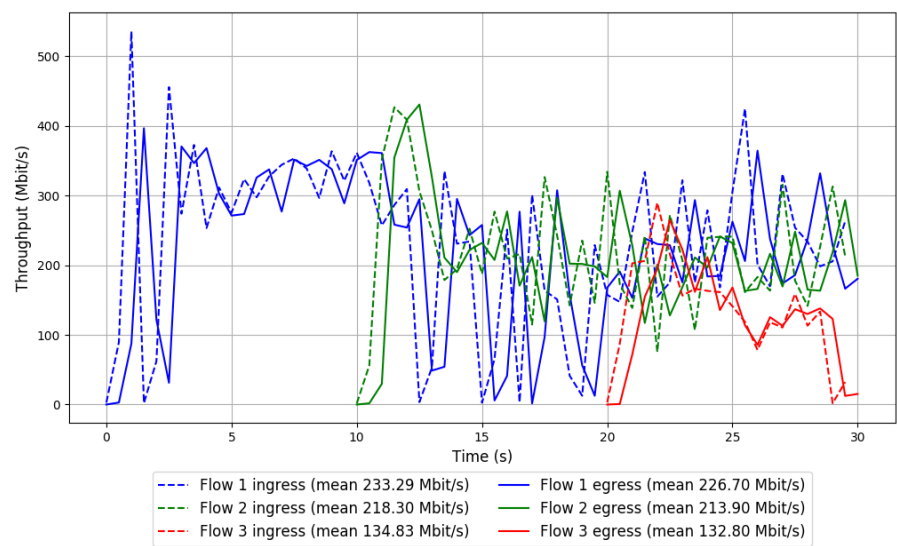


Run 6: Statistics of Verus

Start at: 2018-08-04 02:44:07
End at: 2018-08-04 02:44:37
Local clock offset: -0.096 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-08-04 07:42:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 412.08 Mbit/s
95th percentile per-packet one-way delay: 155.747 ms
Loss rate: 2.72%
-- Flow 1:
Average throughput: 226.70 Mbit/s
95th percentile per-packet one-way delay: 176.247 ms
Loss rate: 2.97%
-- Flow 2:
Average throughput: 213.90 Mbit/s
95th percentile per-packet one-way delay: 140.649 ms
Loss rate: 2.26%
-- Flow 3:
Average throughput: 132.80 Mbit/s
95th percentile per-packet one-way delay: 140.727 ms
Loss rate: 2.94%

Run 6: Report of Verus — Data Link

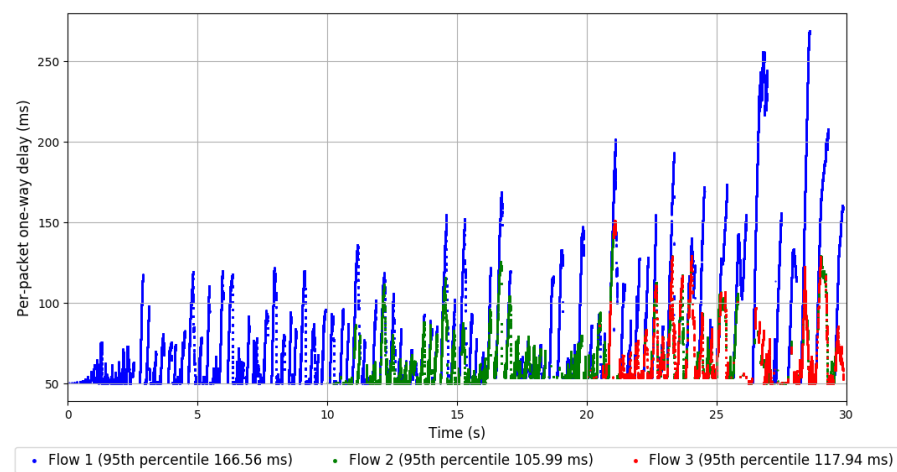
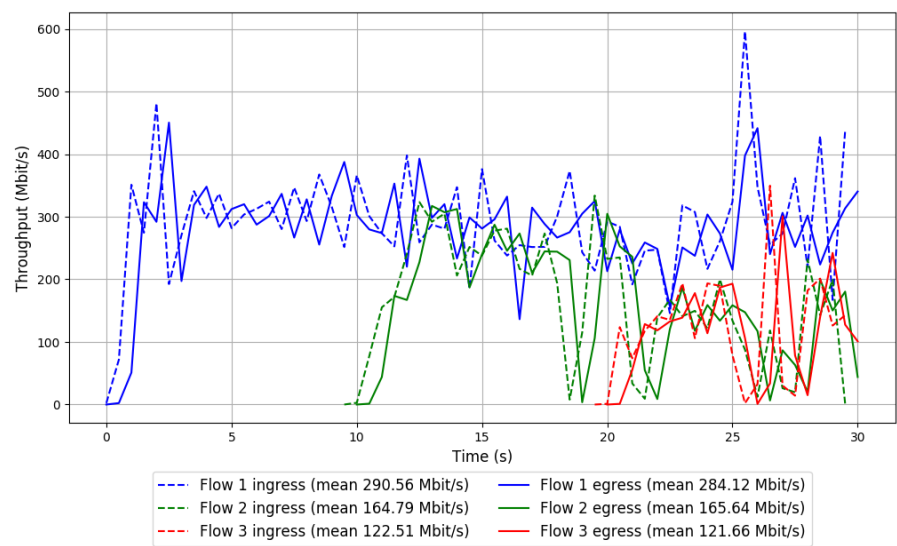


Run 7: Statistics of Verus

Start at: 2018-08-04 03:09:36
End at: 2018-08-04 03:10:06
Local clock offset: 0.18 ms
Remote clock offset: -0.374 ms

Below is generated by plot.py at 2018-08-04 07:42:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 434.45 Mbit/s
95th percentile per-packet one-way delay: 150.131 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 284.12 Mbit/s
95th percentile per-packet one-way delay: 166.557 ms
Loss rate: 2.27%
-- Flow 2:
Average throughput: 165.64 Mbit/s
95th percentile per-packet one-way delay: 105.991 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 121.66 Mbit/s
95th percentile per-packet one-way delay: 117.939 ms
Loss rate: 1.75%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-08-04 03:35:06

End at: 2018-08-04 03:35:36

Local clock offset: 0.194 ms

Remote clock offset: 1.117 ms

Below is generated by plot.py at 2018-08-04 07:42:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 379.48 Mbit/s

95th percentile per-packet one-way delay: 191.148 ms

Loss rate: 2.19%

-- Flow 1:

Average throughput: 248.01 Mbit/s

95th percentile per-packet one-way delay: 205.838 ms

Loss rate: 2.83%

-- Flow 2:

Average throughput: 128.09 Mbit/s

95th percentile per-packet one-way delay: 120.595 ms

Loss rate: 1.14%

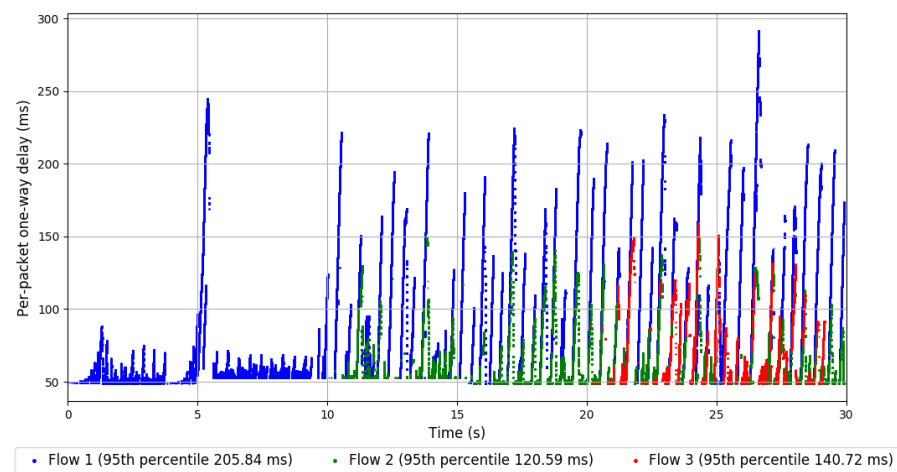
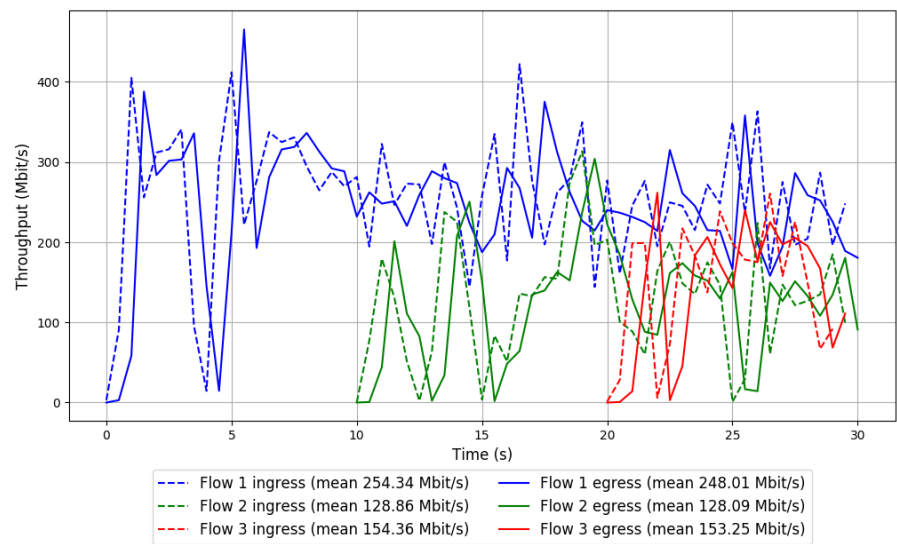
-- Flow 3:

Average throughput: 153.25 Mbit/s

95th percentile per-packet one-way delay: 140.715 ms

Loss rate: 0.67%

Run 8: Report of Verus — Data Link

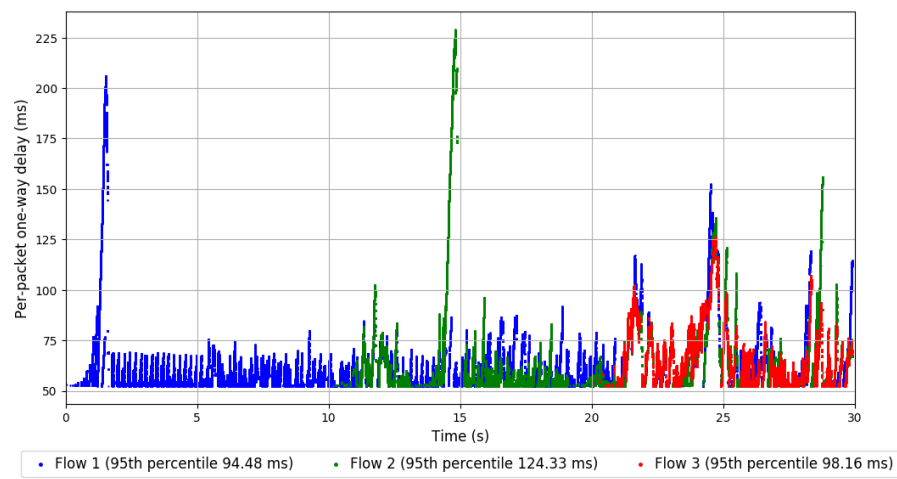
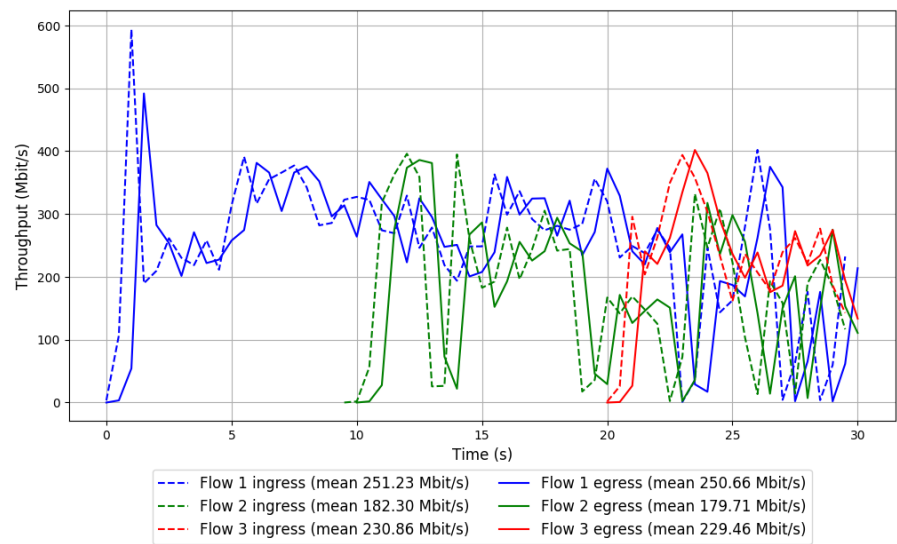


Run 9: Statistics of Verus

Start at: 2018-08-04 03:59:44
End at: 2018-08-04 04:00:14
Local clock offset: 0.123 ms
Remote clock offset: 1.19 ms

Below is generated by plot.py at 2018-08-04 07:46:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 445.64 Mbit/s
95th percentile per-packet one-way delay: 103.710 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 250.66 Mbit/s
95th percentile per-packet one-way delay: 94.485 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 179.71 Mbit/s
95th percentile per-packet one-way delay: 124.330 ms
Loss rate: 1.97%
-- Flow 3:
Average throughput: 229.46 Mbit/s
95th percentile per-packet one-way delay: 98.156 ms
Loss rate: 0.76%

Run 9: Report of Verus — Data Link

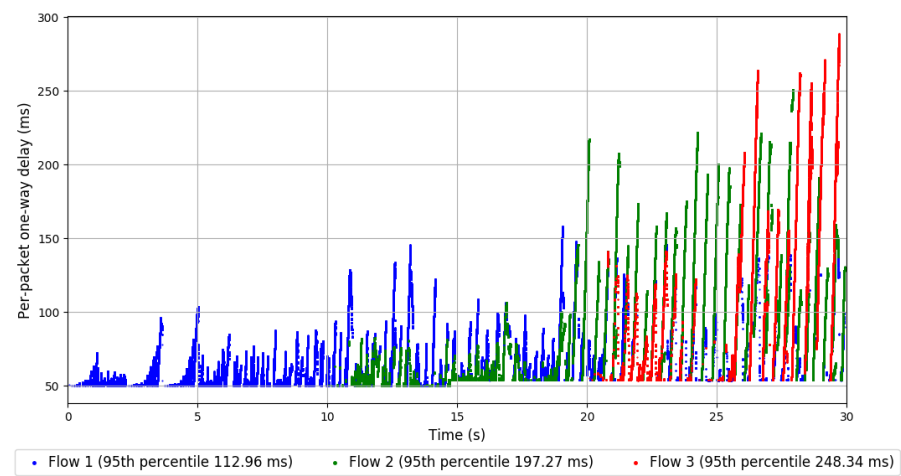
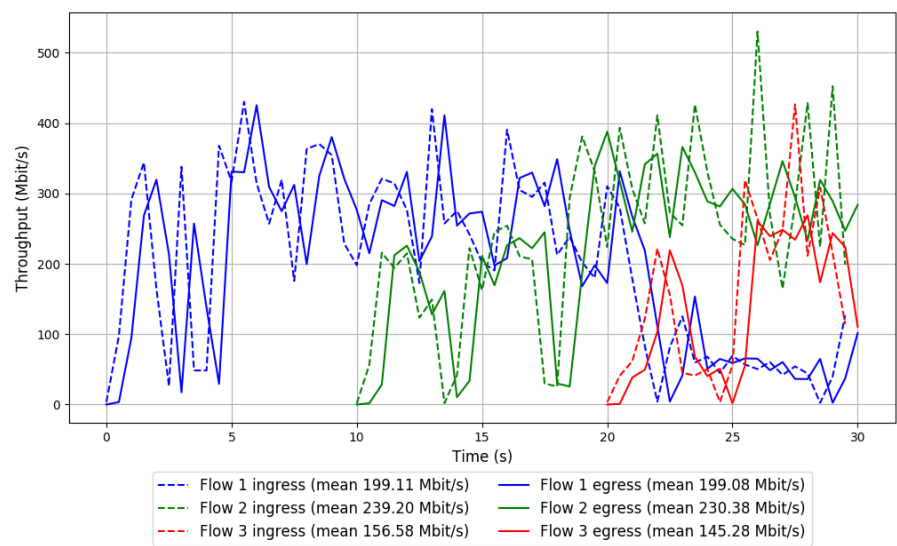


Run 10: Statistics of Verus

Start at: 2018-08-04 04:25:17
End at: 2018-08-04 04:25:47
Local clock offset: 0.02 ms
Remote clock offset: -0.169 ms

Below is generated by plot.py at 2018-08-04 07:46:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 399.12 Mbit/s
95th percentile per-packet one-way delay: 186.224 ms
Loss rate: 2.91%
-- Flow 1:
Average throughput: 199.08 Mbit/s
95th percentile per-packet one-way delay: 112.961 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 230.38 Mbit/s
95th percentile per-packet one-way delay: 197.268 ms
Loss rate: 3.77%
-- Flow 3:
Average throughput: 145.28 Mbit/s
95th percentile per-packet one-way delay: 248.341 ms
Loss rate: 10.07%

Run 10: Report of Verus — Data Link

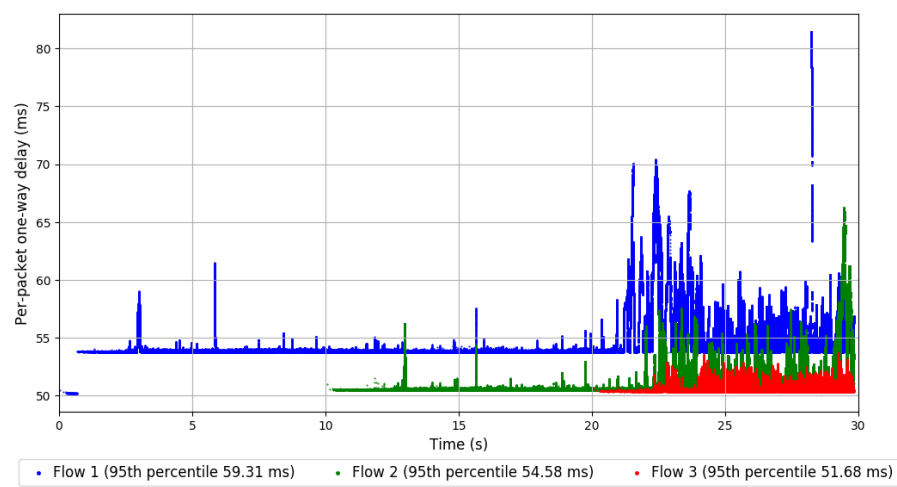
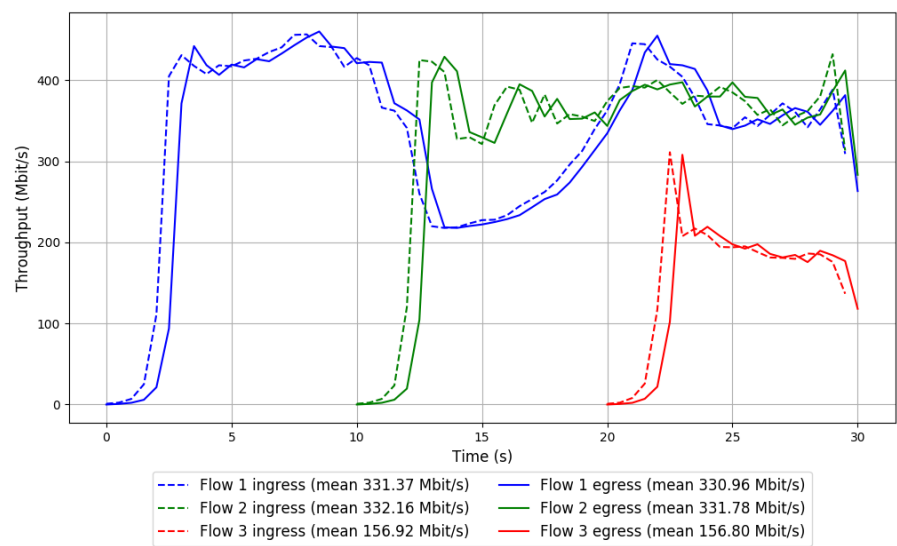


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-04 00:42:51
End at: 2018-08-04 00:43:21
Local clock offset: 0.095 ms
Remote clock offset: -0.342 ms

Below is generated by plot.py at 2018-08-04 07:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 602.62 Mbit/s
95th percentile per-packet one-way delay: 57.663 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 330.96 Mbit/s
95th percentile per-packet one-way delay: 59.311 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 331.78 Mbit/s
95th percentile per-packet one-way delay: 54.577 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 156.80 Mbit/s
95th percentile per-packet one-way delay: 51.680 ms
Loss rate: 1.14%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-08-04 01:08:23

End at: 2018-08-04 01:08:53

Local clock offset: 0.007 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-08-04 07:52:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 611.09 Mbit/s

95th percentile per-packet one-way delay: 55.544 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 342.69 Mbit/s

95th percentile per-packet one-way delay: 54.804 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 327.19 Mbit/s

95th percentile per-packet one-way delay: 63.020 ms

Loss rate: 0.58%

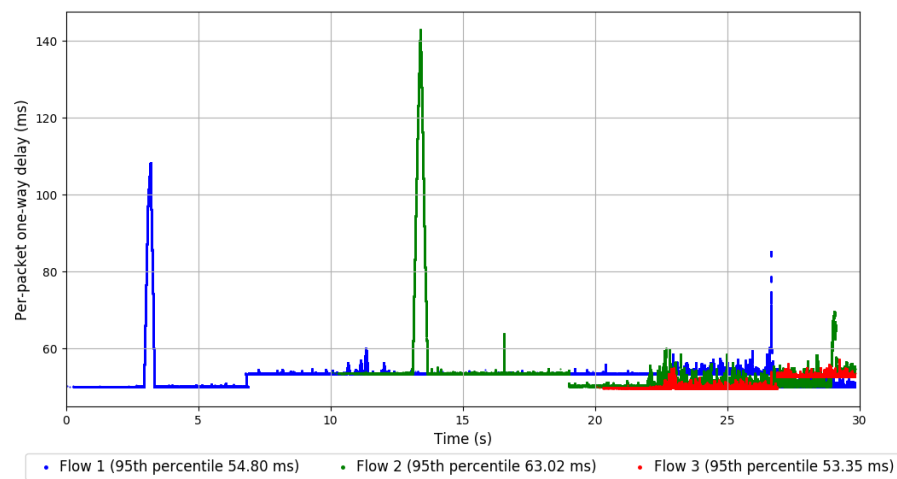
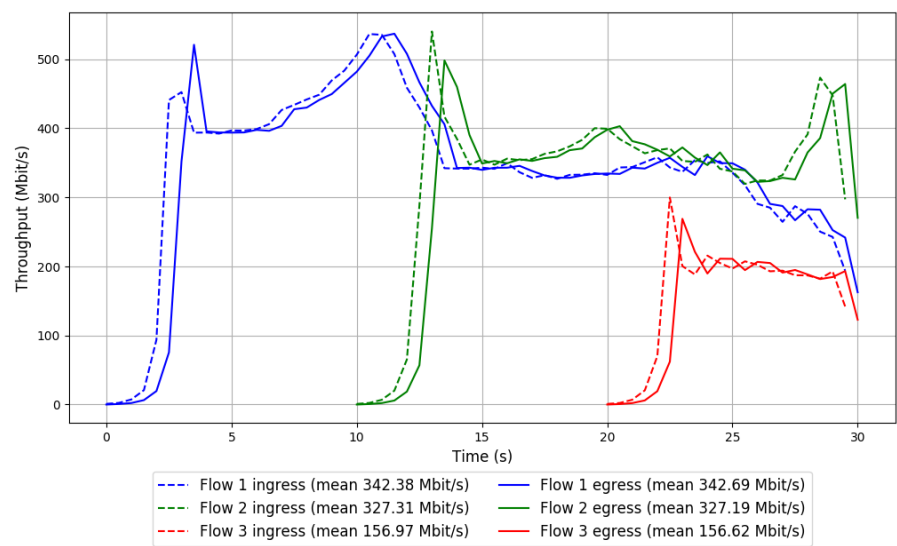
-- Flow 3:

Average throughput: 156.62 Mbit/s

95th percentile per-packet one-way delay: 53.354 ms

Loss rate: 1.28%

Run 2: Report of PCC-Vivace — Data Link

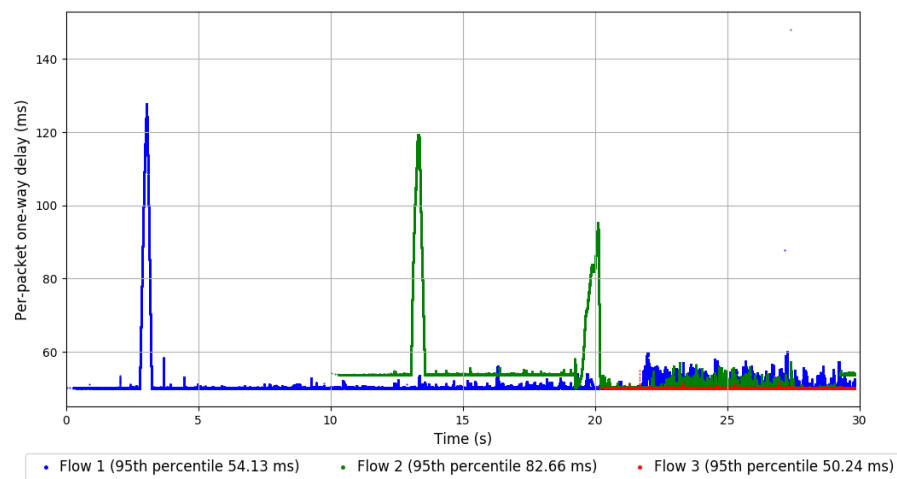
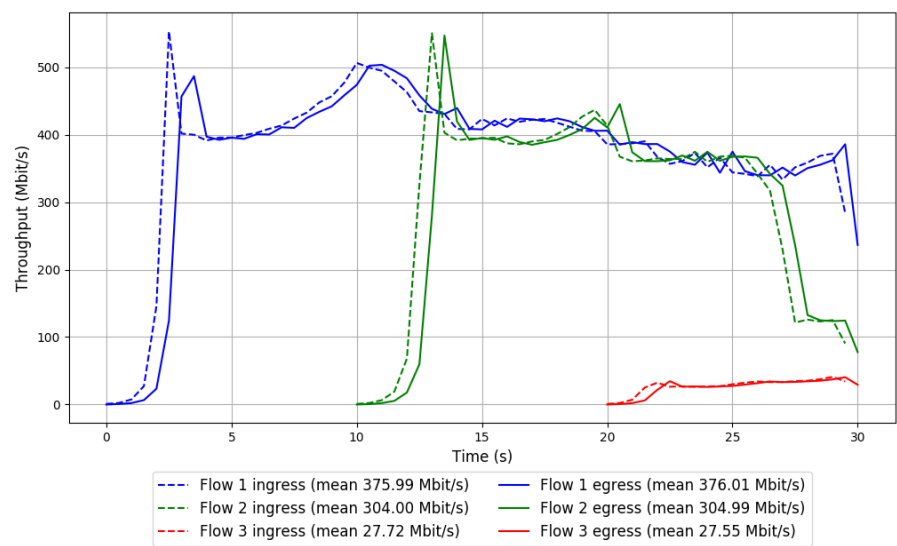


Run 3: Statistics of PCC-Vivace

Start at: 2018-08-04 01:33:52
End at: 2018-08-04 01:34:22
Local clock offset: -0.031 ms
Remote clock offset: -0.503 ms

Below is generated by plot.py at 2018-08-04 07:52:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 587.54 Mbit/s
95th percentile per-packet one-way delay: 56.532 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 376.01 Mbit/s
95th percentile per-packet one-way delay: 54.133 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 304.99 Mbit/s
95th percentile per-packet one-way delay: 82.658 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 27.55 Mbit/s
95th percentile per-packet one-way delay: 50.239 ms
Loss rate: 1.69%

Run 3: Report of PCC-Vivace — Data Link

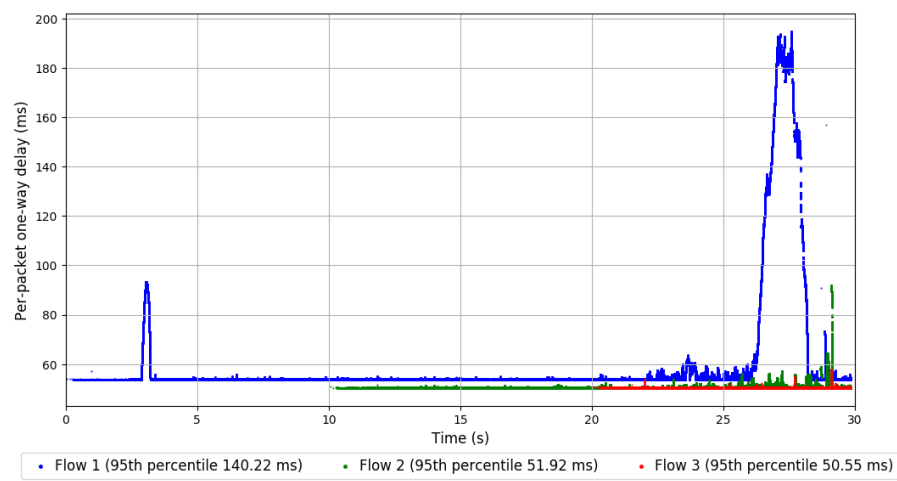
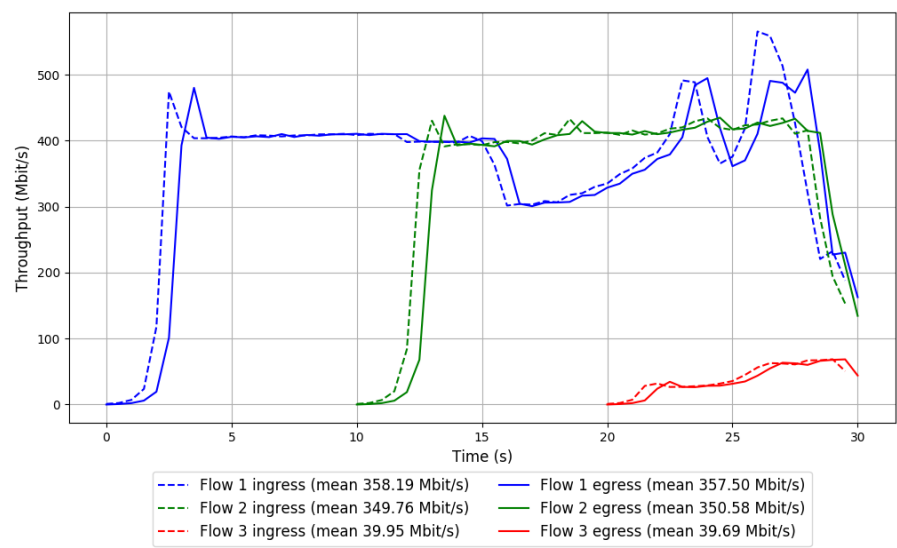


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-04 01:59:28
End at: 2018-08-04 01:59:58
Local clock offset: 0.133 ms
Remote clock offset: -0.313 ms

Below is generated by plot.py at 2018-08-04 07:52:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 603.29 Mbit/s
95th percentile per-packet one-way delay: 88.610 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 357.50 Mbit/s
95th percentile per-packet one-way delay: 140.221 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 350.58 Mbit/s
95th percentile per-packet one-way delay: 51.921 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 39.69 Mbit/s
95th percentile per-packet one-way delay: 50.553 ms
Loss rate: 1.70%

Run 4: Report of PCC-Vivace — Data Link

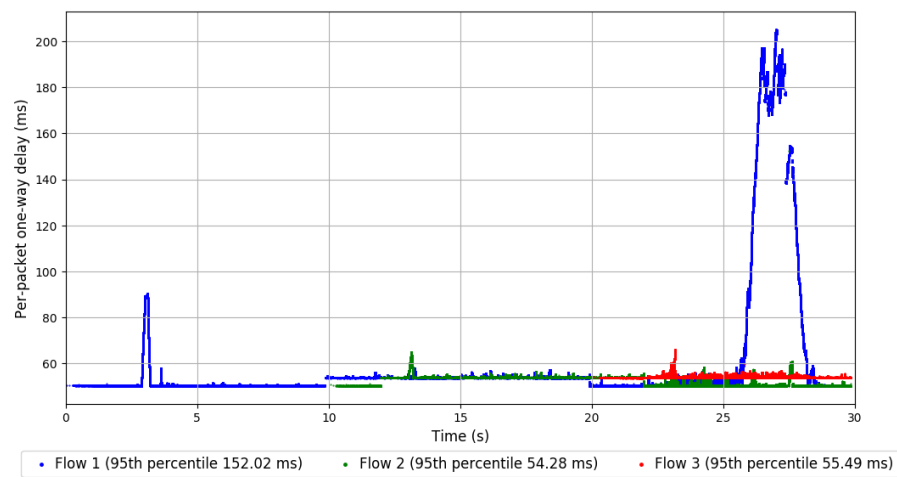
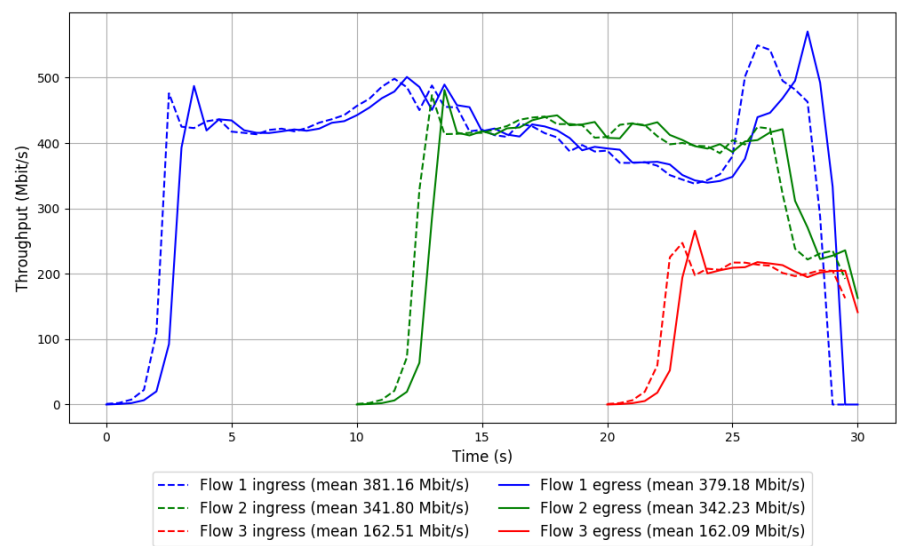


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-04 02:24:50
End at: 2018-08-04 02:25:20
Local clock offset: 0.122 ms
Remote clock offset: -0.263 ms

Below is generated by plot.py at 2018-08-04 07:52:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 657.96 Mbit/s
95th percentile per-packet one-way delay: 89.340 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 379.18 Mbit/s
95th percentile per-packet one-way delay: 152.016 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 342.23 Mbit/s
95th percentile per-packet one-way delay: 54.282 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 162.09 Mbit/s
95th percentile per-packet one-way delay: 55.491 ms
Loss rate: 1.35%

Run 5: Report of PCC-Vivace — Data Link

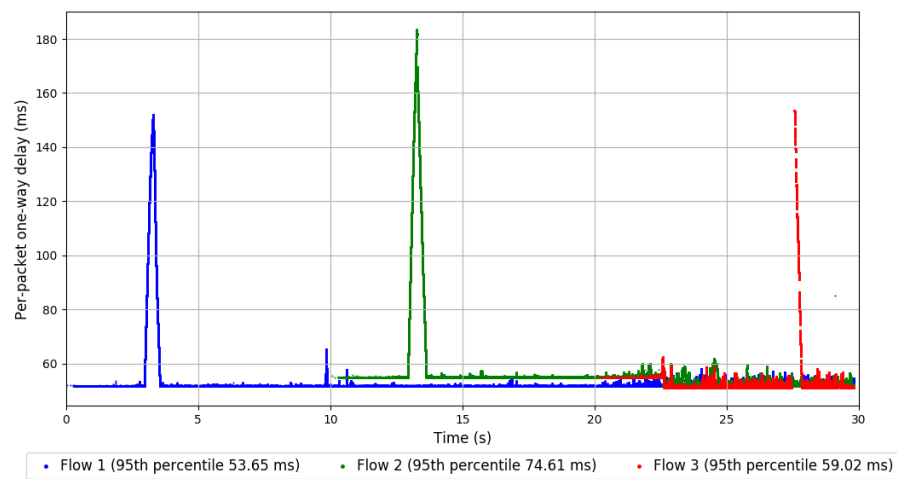
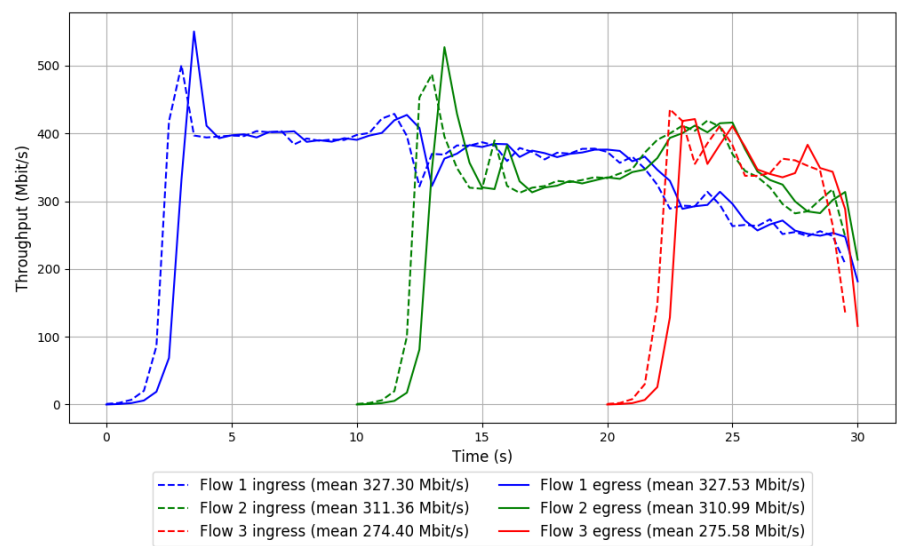


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-04 02:50:17
End at: 2018-08-04 02:50:47
Local clock offset: -0.156 ms
Remote clock offset: -1.673 ms

Below is generated by plot.py at 2018-08-04 07:52:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 624.21 Mbit/s
95th percentile per-packet one-way delay: 58.032 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 327.53 Mbit/s
95th percentile per-packet one-way delay: 53.645 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 310.99 Mbit/s
95th percentile per-packet one-way delay: 74.610 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 275.58 Mbit/s
95th percentile per-packet one-way delay: 59.019 ms
Loss rate: 0.68%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-08-04 03:15:30

End at: 2018-08-04 03:16:00

Local clock offset: 0.231 ms

Remote clock offset: 1.137 ms

Below is generated by plot.py at 2018-08-04 07:54:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 591.71 Mbit/s

95th percentile per-packet one-way delay: 52.925 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 336.87 Mbit/s

95th percentile per-packet one-way delay: 53.421 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 340.53 Mbit/s

95th percentile per-packet one-way delay: 50.709 ms

Loss rate: 0.60%

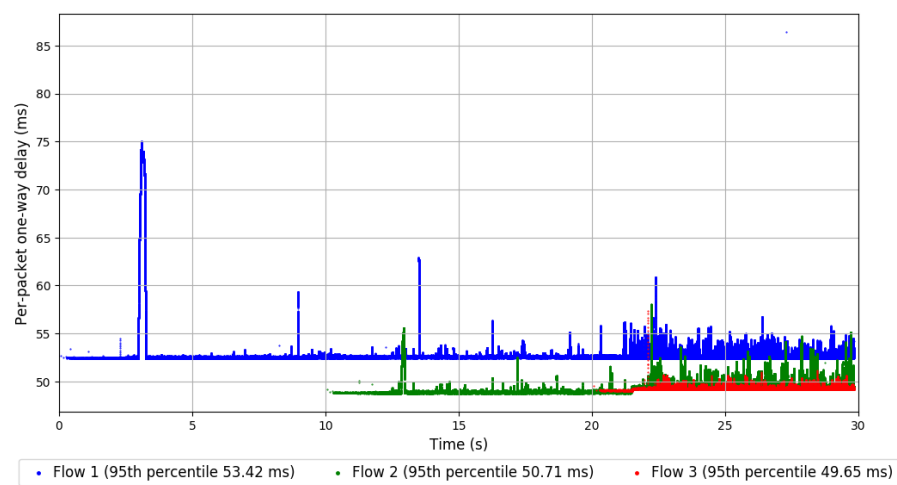
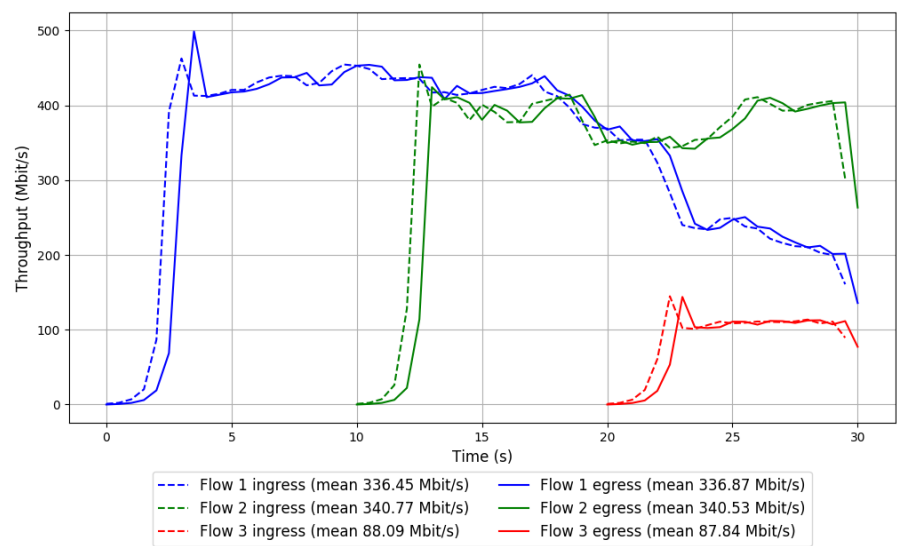
-- Flow 3:

Average throughput: 87.84 Mbit/s

95th percentile per-packet one-way delay: 49.650 ms

Loss rate: 1.35%

Run 7: Report of PCC-Vivace — Data Link

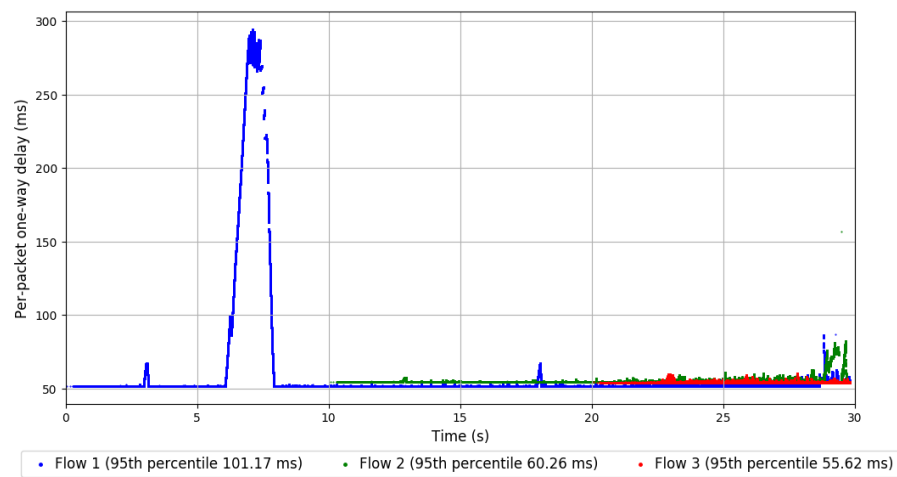
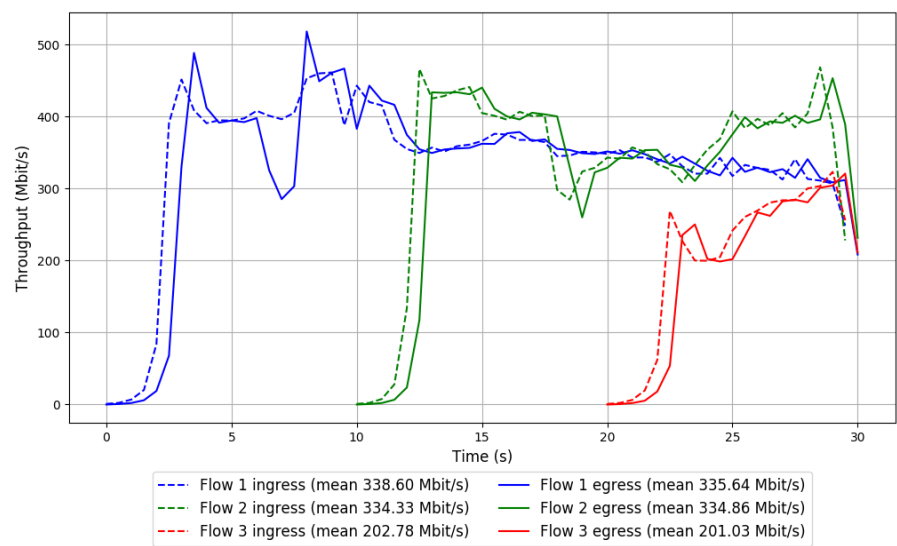


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-04 03:40:51
End at: 2018-08-04 03:41:21
Local clock offset: 0.095 ms
Remote clock offset: -1.271 ms

Below is generated by plot.py at 2018-08-04 07:55:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 623.66 Mbit/s
95th percentile per-packet one-way delay: 65.535 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 335.64 Mbit/s
95th percentile per-packet one-way delay: 101.172 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 334.86 Mbit/s
95th percentile per-packet one-way delay: 60.264 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 201.03 Mbit/s
95th percentile per-packet one-way delay: 55.624 ms
Loss rate: 1.94%

Run 8: Report of PCC-Vivace — Data Link

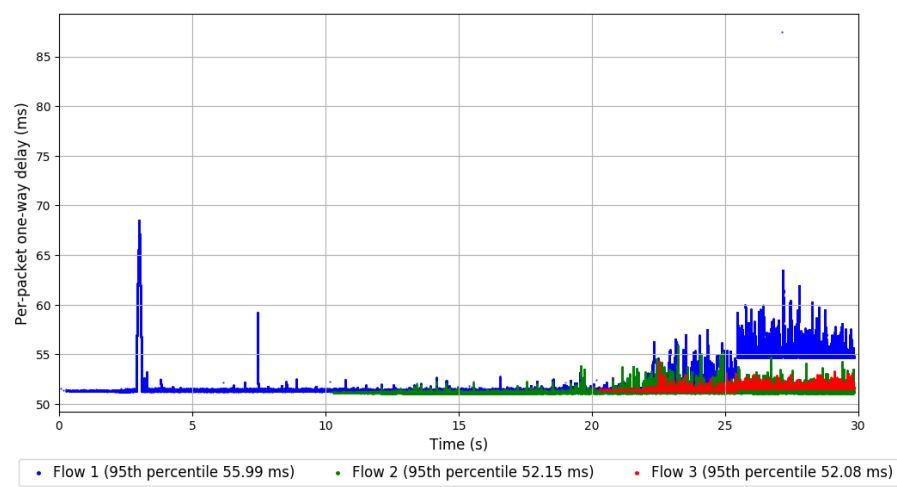
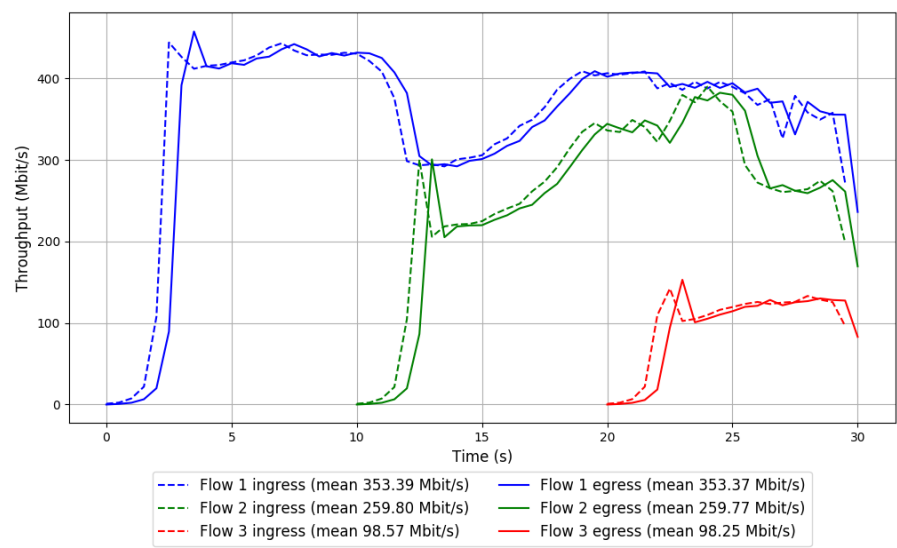


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-04 04:05:46
End at: 2018-08-04 04:06:16
Local clock offset: 0.103 ms
Remote clock offset: -1.236 ms

Below is generated by plot.py at 2018-08-04 07:55:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 558.06 Mbit/s
95th percentile per-packet one-way delay: 55.207 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 353.37 Mbit/s
95th percentile per-packet one-way delay: 55.994 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 259.77 Mbit/s
95th percentile per-packet one-way delay: 52.149 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 98.25 Mbit/s
95th percentile per-packet one-way delay: 52.080 ms
Loss rate: 1.37%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-04 04:31:16

End at: 2018-08-04 04:31:46

Local clock offset: -0.011 ms

Remote clock offset: 0.912 ms

Below is generated by plot.py at 2018-08-04 07:55:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 587.17 Mbit/s

95th percentile per-packet one-way delay: 51.356 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 356.01 Mbit/s

95th percentile per-packet one-way delay: 51.379 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 300.26 Mbit/s

95th percentile per-packet one-way delay: 51.576 ms

Loss rate: 0.10%

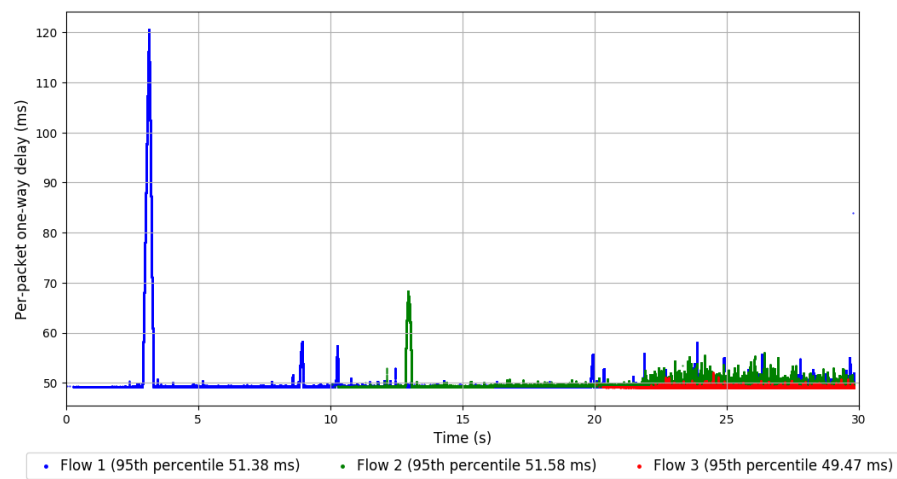
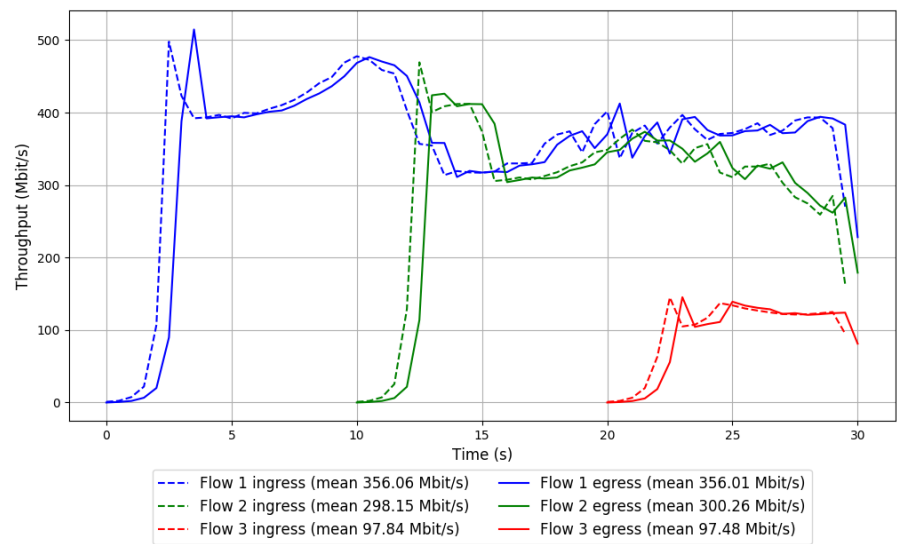
-- Flow 3:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 49.472 ms

Loss rate: 1.39%

Run 10: Report of PCC-Vivace — Data Link

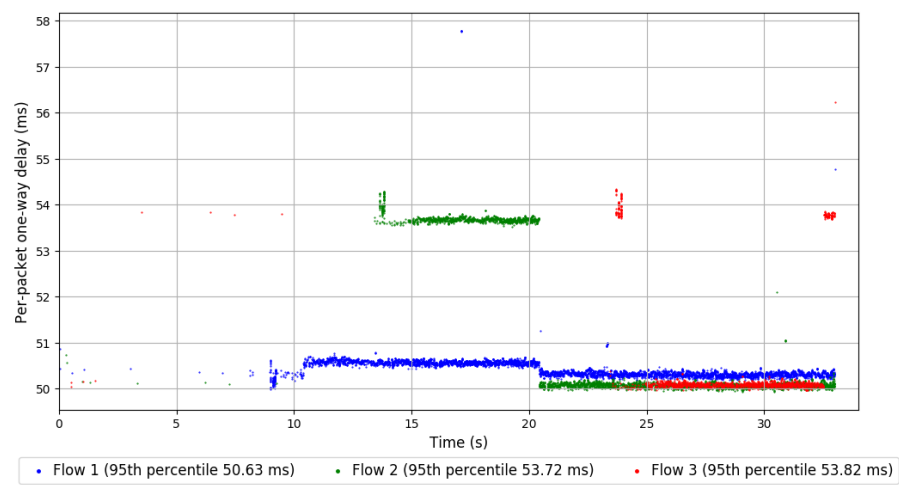
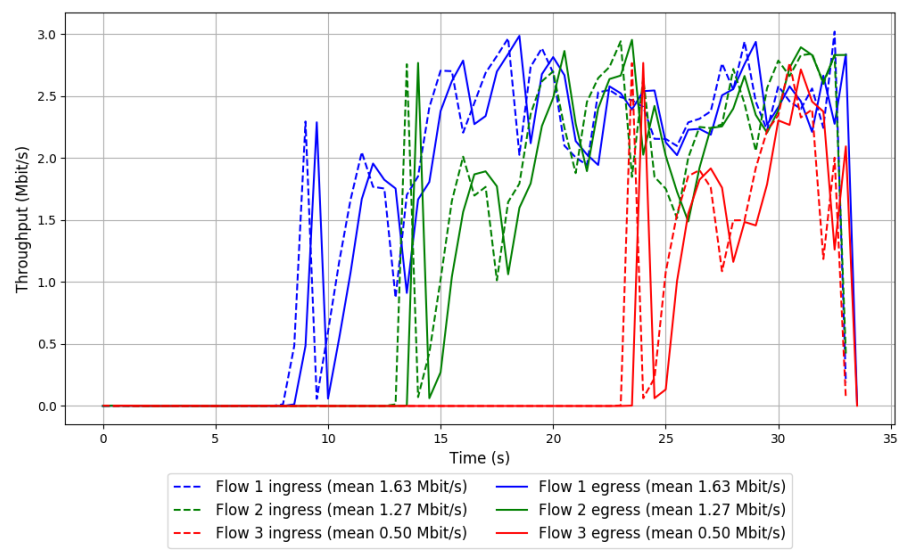


Run 1: Statistics of WebRTC media

Start at: 2018-08-04 00:33:42
End at: 2018-08-04 00:34:12
Local clock offset: 0.126 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-08-04 07:55:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.38 Mbit/s
95th percentile per-packet one-way delay: 53.701 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 50.628 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 1.27 Mbit/s
95th percentile per-packet one-way delay: 53.722 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 53.823 ms
Loss rate: 0.34%

Run 1: Report of WebRTC media — Data Link

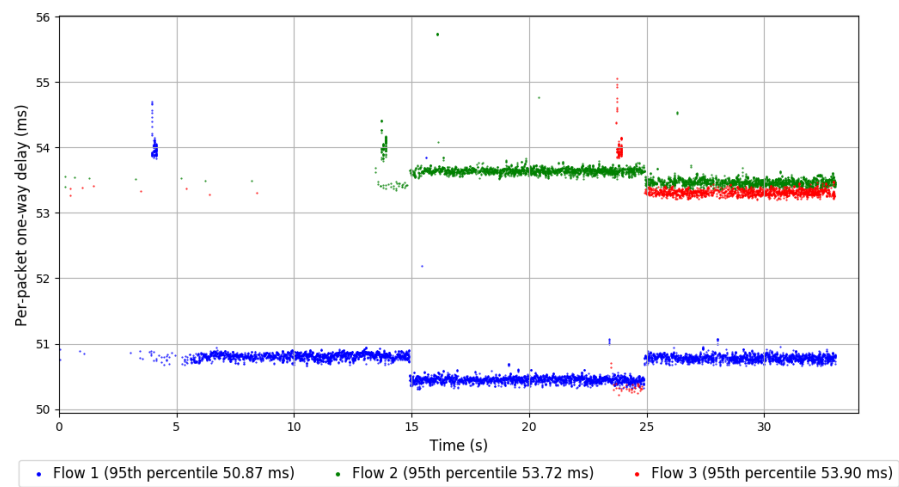
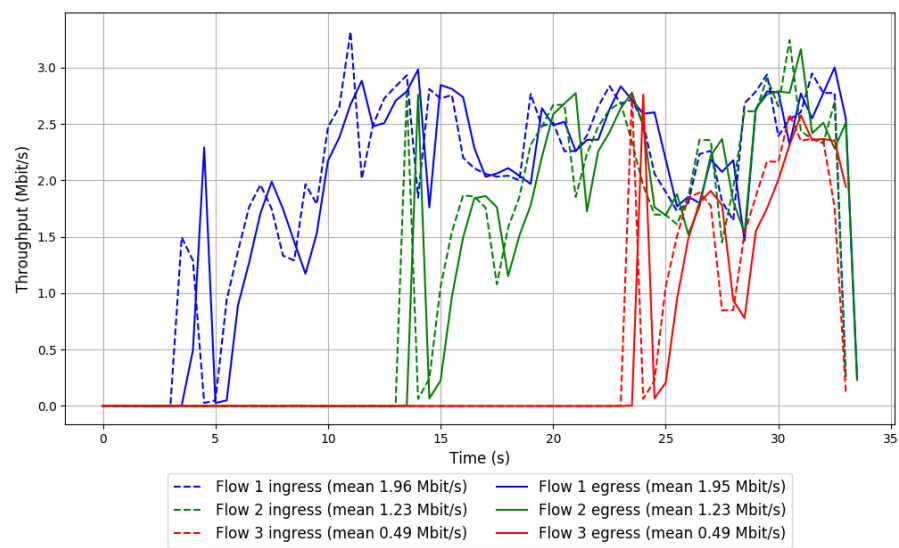


Run 2: Statistics of WebRTC media

Start at: 2018-08-04 00:59:18
End at: 2018-08-04 00:59:48
Local clock offset: -0.019 ms
Remote clock offset: -0.208 ms

Below is generated by plot.py at 2018-08-04 07:55:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.66 Mbit/s
95th percentile per-packet one-way delay: 53.685 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 50.874 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 53.720 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 53.898 ms
Loss rate: 0.62%

Run 2: Report of WebRTC media — Data Link

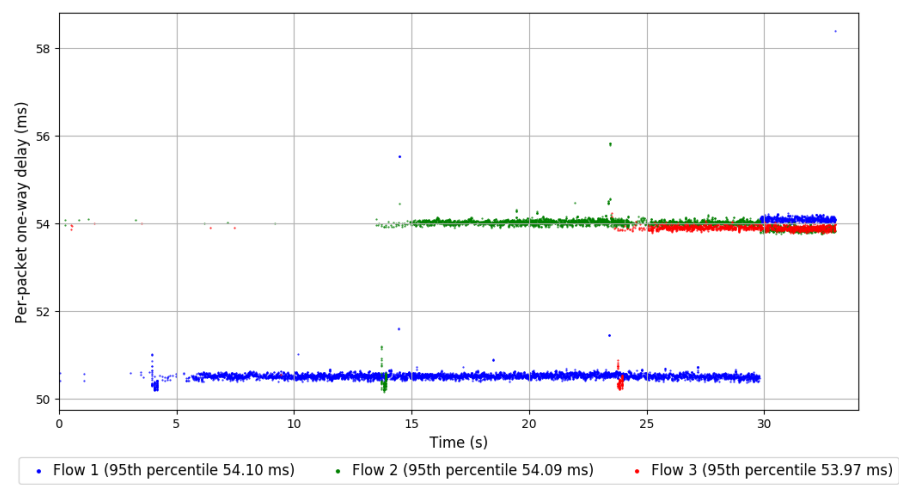
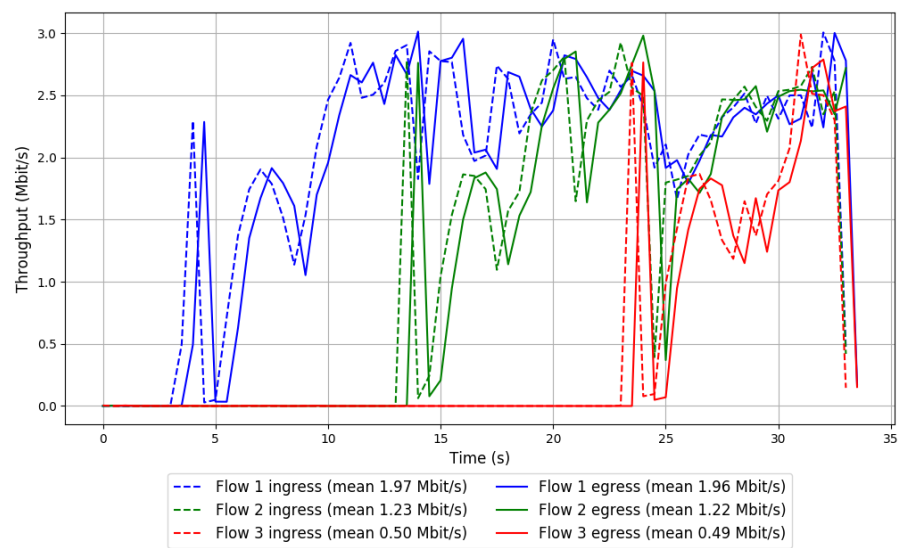


Run 3: Statistics of WebRTC media

Start at: 2018-08-04 01:24:45
End at: 2018-08-04 01:25:15
Local clock offset: 0.212 ms
Remote clock offset: -0.252 ms

Below is generated by plot.py at 2018-08-04 07:55:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.67 Mbit/s
95th percentile per-packet one-way delay: 54.093 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 54.103 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 54.093 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 53.972 ms
Loss rate: 0.45%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-08-04 01:50:08

End at: 2018-08-04 01:50:38

Local clock offset: 0.104 ms

Remote clock offset: 0.929 ms

Below is generated by plot.py at 2018-08-04 07:55:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.62 Mbit/s

95th percentile per-packet one-way delay: 52.850 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 52.867 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 1.19 Mbit/s

95th percentile per-packet one-way delay: 49.821 ms

Loss rate: 0.89%

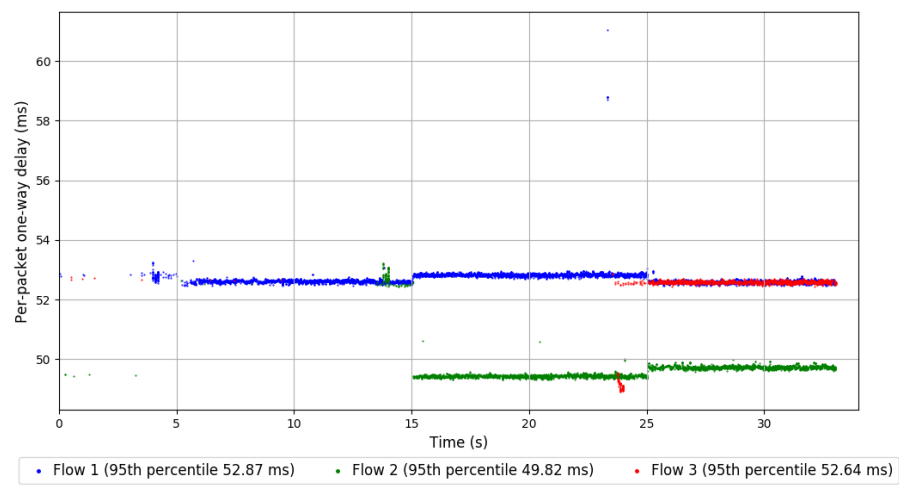
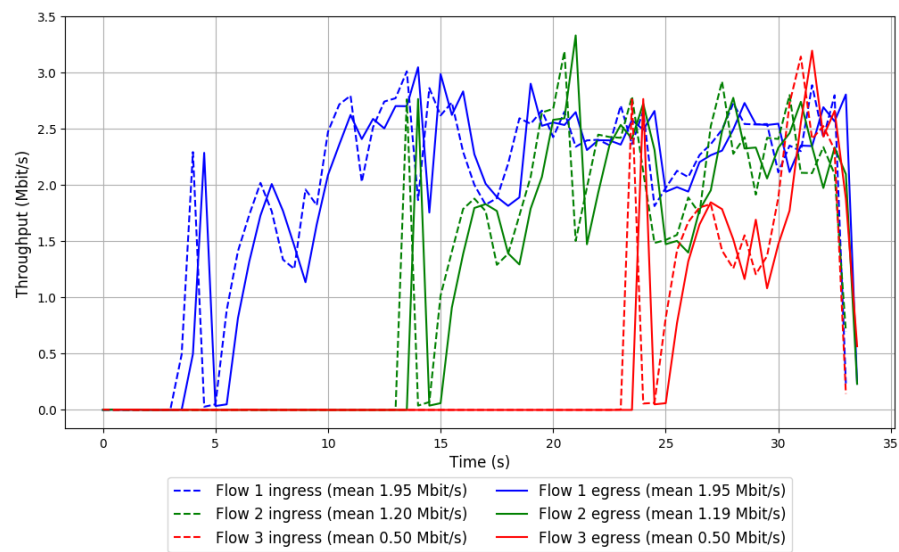
-- Flow 3:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 52.642 ms

Loss rate: 0.44%

Run 4: Report of WebRTC media — Data Link

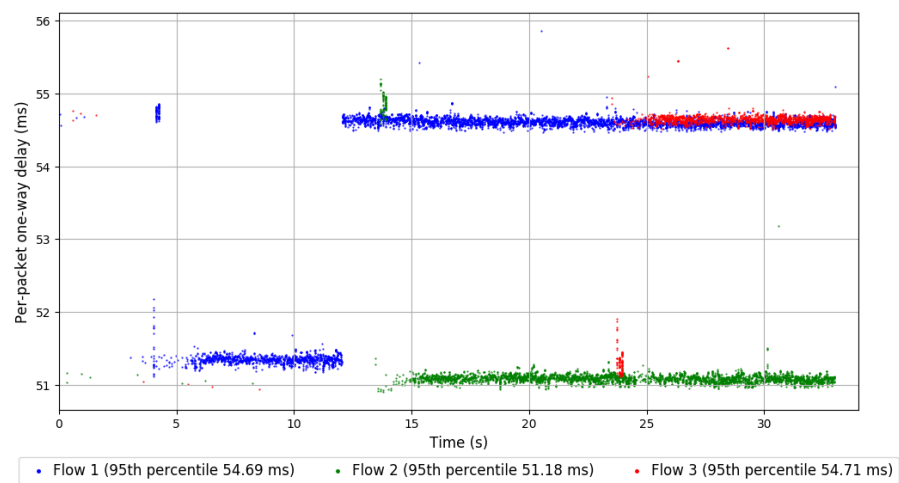
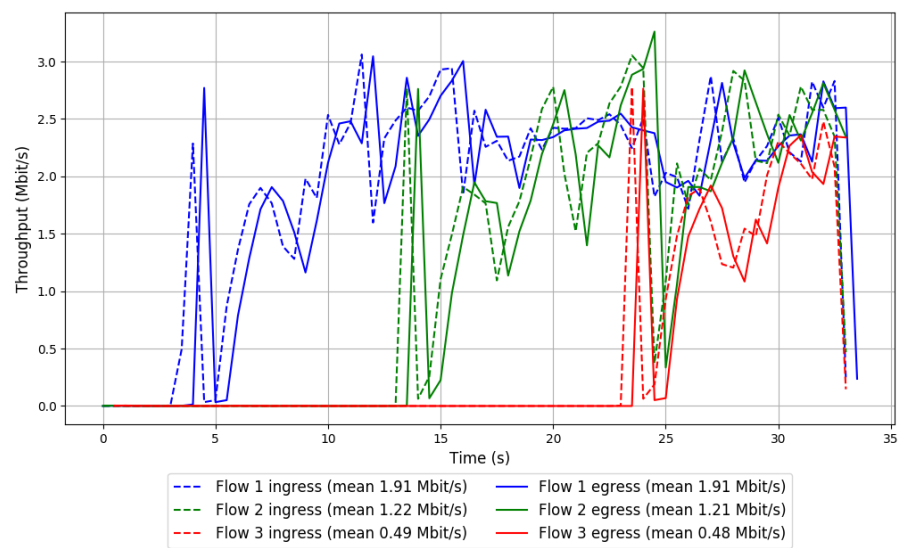


Run 5: Statistics of WebRTC media

Start at: 2018-08-04 02:15:41
End at: 2018-08-04 02:16:11
Local clock offset: -0.07 ms
Remote clock offset: -1.286 ms

Below is generated by plot.py at 2018-08-04 07:55:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.59 Mbit/s
95th percentile per-packet one-way delay: 54.690 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 54.692 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 51.181 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 54.706 ms
Loss rate: 0.88%

Run 5: Report of WebRTC media — Data Link

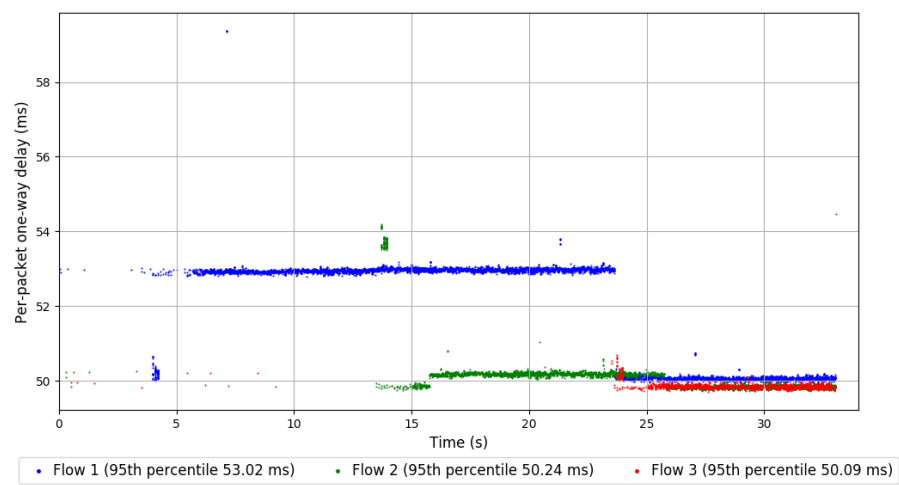
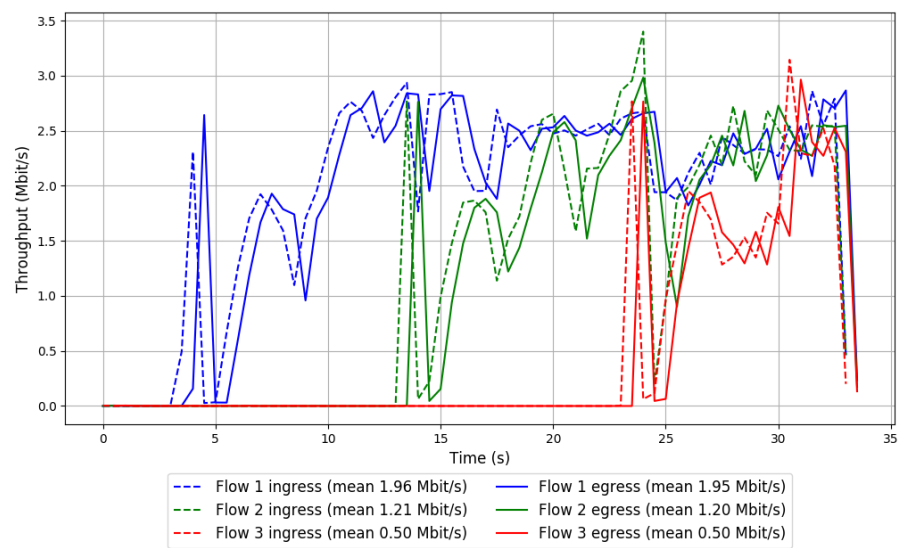


Run 6: Statistics of WebRTC media

Start at: 2018-08-04 02:40:49
End at: 2018-08-04 02:41:19
Local clock offset: -0.042 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-08-04 07:55:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 53.011 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 53.022 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 1.20 Mbit/s
95th percentile per-packet one-way delay: 50.243 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 50.090 ms
Loss rate: 0.62%

Run 6: Report of WebRTC media — Data Link

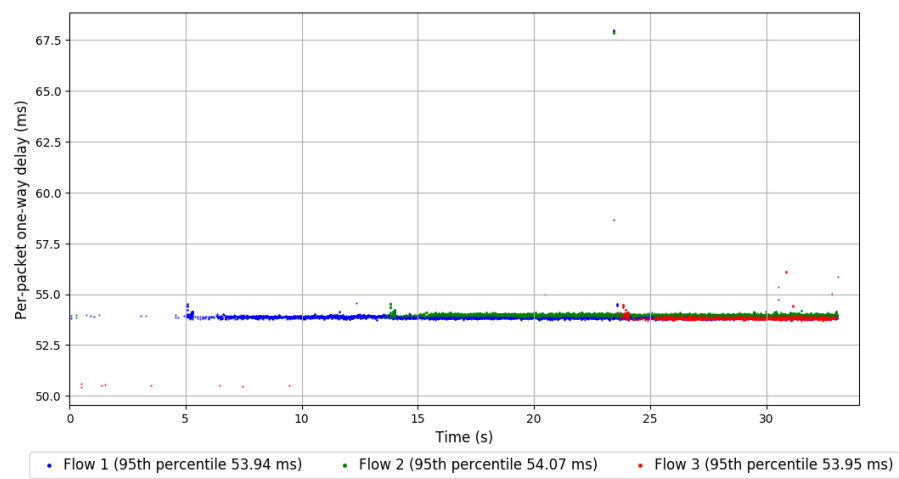
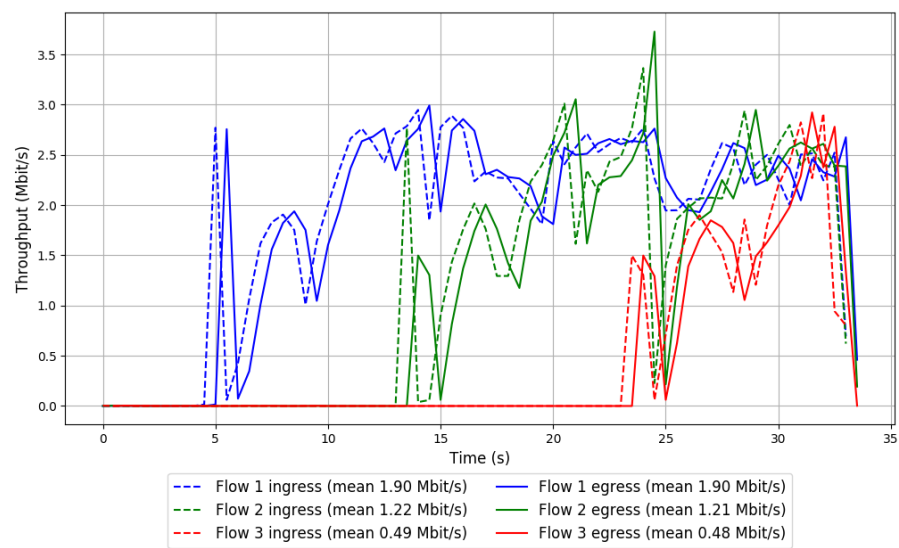


Run 7: Statistics of WebRTC media

Start at: 2018-08-04 03:06:19
End at: 2018-08-04 03:06:49
Local clock offset: 0.29 ms
Remote clock offset: -0.152 ms

Below is generated by plot.py at 2018-08-04 07:55:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.58 Mbit/s
95th percentile per-packet one-way delay: 54.035 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 53.942 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 54.067 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 53.949 ms
Loss rate: 2.49%

Run 7: Report of WebRTC media — Data Link

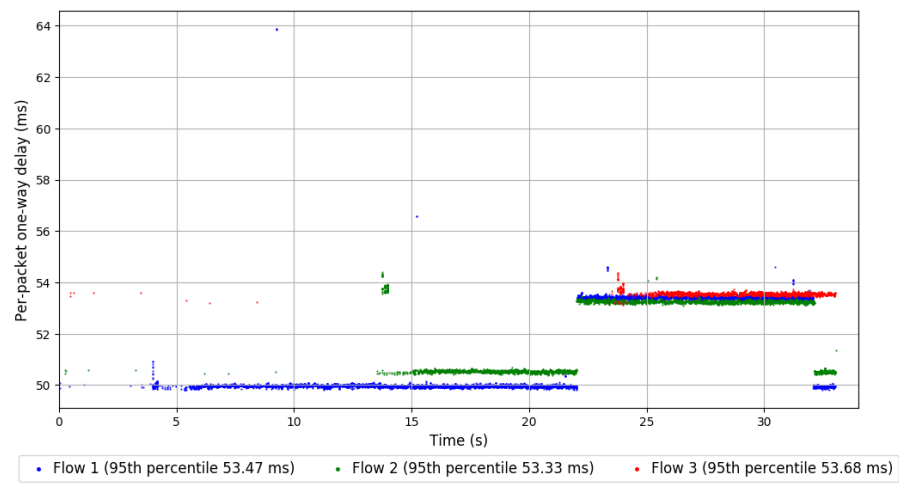
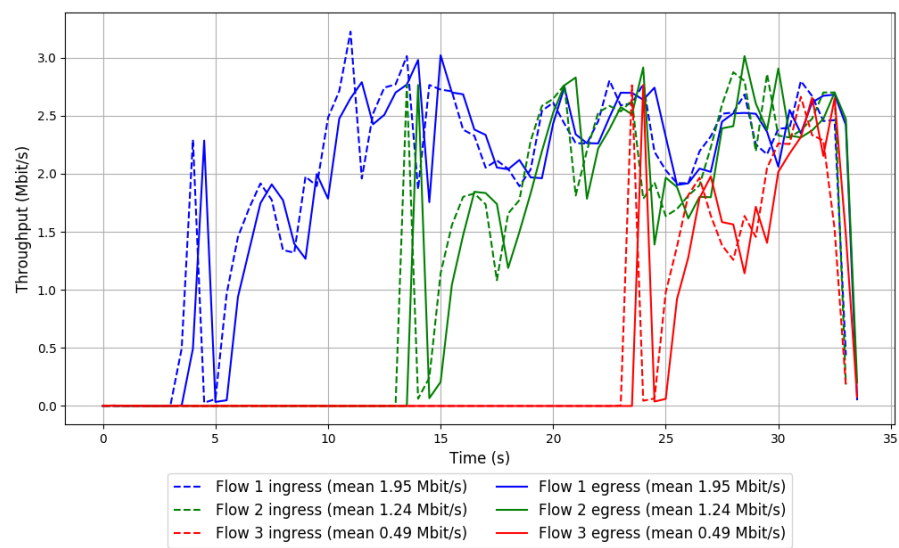


Run 8: Statistics of WebRTC media

Start at: 2018-08-04 03:31:51
End at: 2018-08-04 03:32:21
Local clock offset: 0.043 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-08-04 07:55:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.66 Mbit/s
95th percentile per-packet one-way delay: 53.580 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 53.466 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 53.326 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 53.676 ms
Loss rate: 0.55%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-08-04 03:56:30

End at: 2018-08-04 03:57:00

Local clock offset: 0.026 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-08-04 07:55:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.64 Mbit/s

95th percentile per-packet one-way delay: 53.647 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 53.662 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 1.22 Mbit/s

95th percentile per-packet one-way delay: 50.026 ms

Loss rate: 0.95%

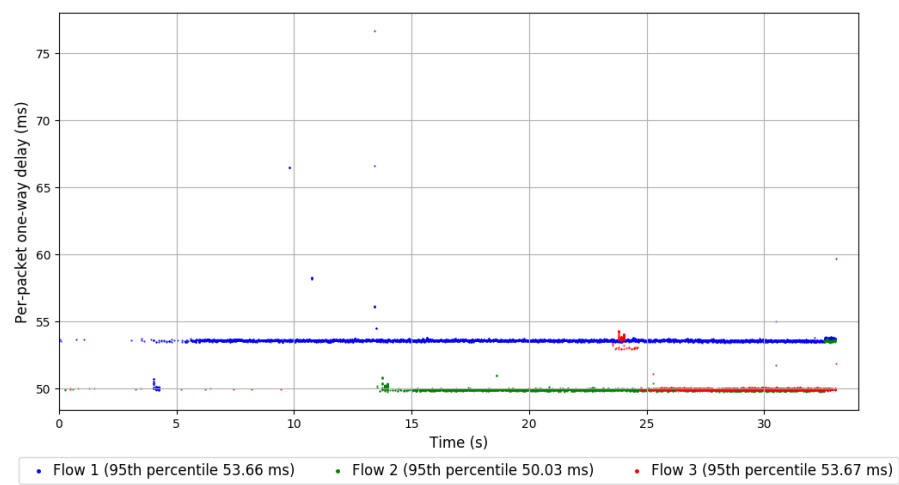
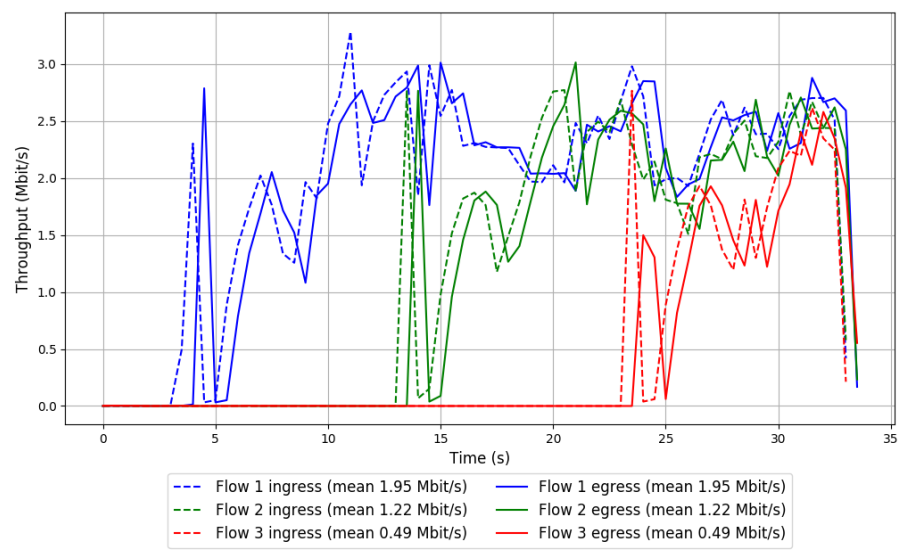
-- Flow 3:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 53.675 ms

Loss rate: 0.79%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-04 04:22:03

End at: 2018-08-04 04:22:33

Local clock offset: 0.061 ms

Remote clock offset: 0.081 ms

Below is generated by plot.py at 2018-08-04 07:55:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.64 Mbit/s

95th percentile per-packet one-way delay: 52.985 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 53.003 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 1.22 Mbit/s

95th percentile per-packet one-way delay: 50.138 ms

Loss rate: 0.53%

-- Flow 3:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 49.935 ms

Loss rate: 0.35%

Run 10: Report of WebRTC media — Data Link

