

Pantheon Report

Generated at 2018-08-02 01:00:49 (UTC).

Data path: GCE Iowa 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.

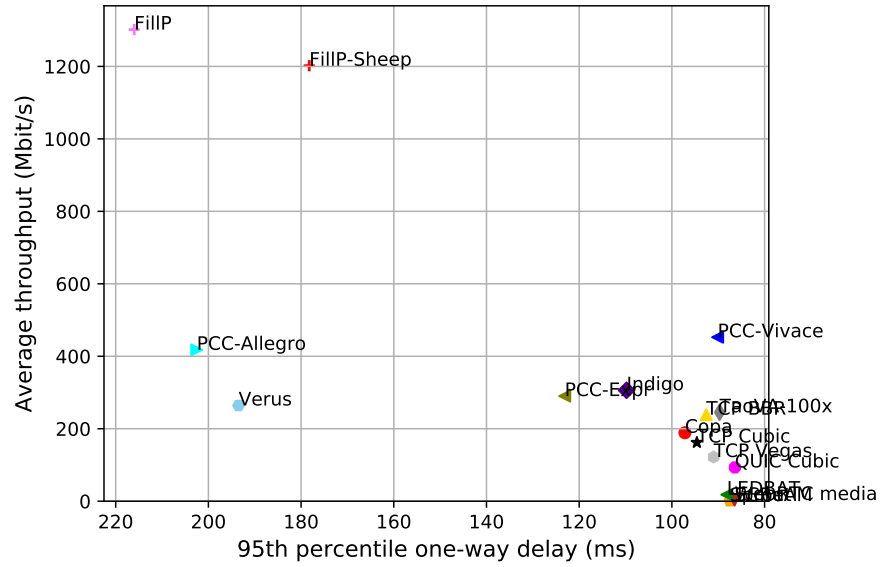
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

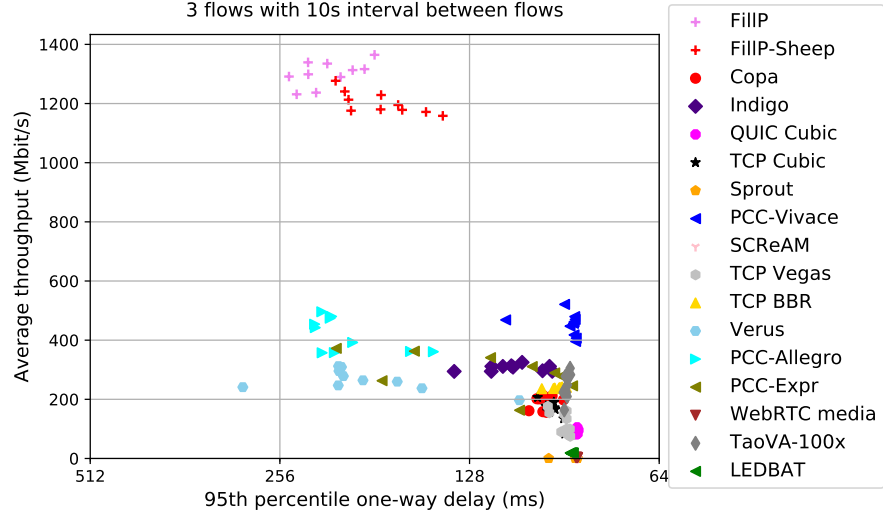
Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf90c077e64d
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from GCE Iowa 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 Iowa 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	122.62	119.26	112.64	91.24	92.60	95.41	0.61	0.95	2.00
Copa	10	102.98	94.27	74.09	96.57	98.26	96.46	0.39	0.77	1.79
TCP Cubic	10	88.65	82.10	57.69	94.30	94.31	95.33	0.59	1.03	2.95
FillP	10	689.65	651.25	548.91	222.73	211.72	152.25	3.99	3.11	2.78
FillP-Sheep	10	660.23	586.11	467.25	173.14	188.15	121.38	1.08	1.89	2.25
Indigo	10	170.69	150.99	107.79	104.72	110.32	117.37	0.52	0.84	2.15
LEDBAT	10	11.71	7.77	3.68	88.14	88.18	87.39	1.16	1.74	3.65
PCC-Allegro	10	381.84	46.73	15.08	202.16	194.50	194.03	2.04	1.94	2.51
PCC-Expr	10	198.66	127.59	54.68	118.64	117.64	101.13	0.80	1.45	2.38
QUIC Cubic	10	47.18	47.61	43.73	86.20	86.28	86.37	0.61	1.07	1.92
SCReAM	10	0.22	0.22	0.22	86.47	86.37	86.33	0.51	0.91	1.74
Sprout	10	0.23	0.29	0.33	87.45	87.50	87.57	0.53	0.68	1.23
TaoVA-100x	10	135.78	117.51	98.35	88.81	90.72	91.48	0.53	0.62	1.48
TCP Vegas	10	63.01	67.21	43.50	90.71	90.83	91.34	0.62	0.93	1.91
Verus	10	176.81	103.27	72.75	184.30	188.93	179.76	1.66	2.67	3.10
PCC-Vivace	10	270.70	201.57	147.91	88.33	94.42	87.14	0.52	1.12	2.52
WebRTC media	10	1.85	1.15	0.43	86.50	86.41	86.41	0.71	1.15	2.95

Run 1: Statistics of TCP BBR

Start at: 2018-08-01 18:03:12

End at: 2018-08-01 18:03:42

Local clock offset: 0.254 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2018-08-01 22:25:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 241.30 Mbit/s

95th percentile per-packet one-way delay: 90.097 ms

Loss rate: 0.94%

-- Flow 1:

Average throughput: 124.85 Mbit/s

95th percentile per-packet one-way delay: 89.126 ms

Loss rate: 0.61%

-- Flow 2:

Average throughput: 119.22 Mbit/s

95th percentile per-packet one-way delay: 90.145 ms

Loss rate: 0.97%

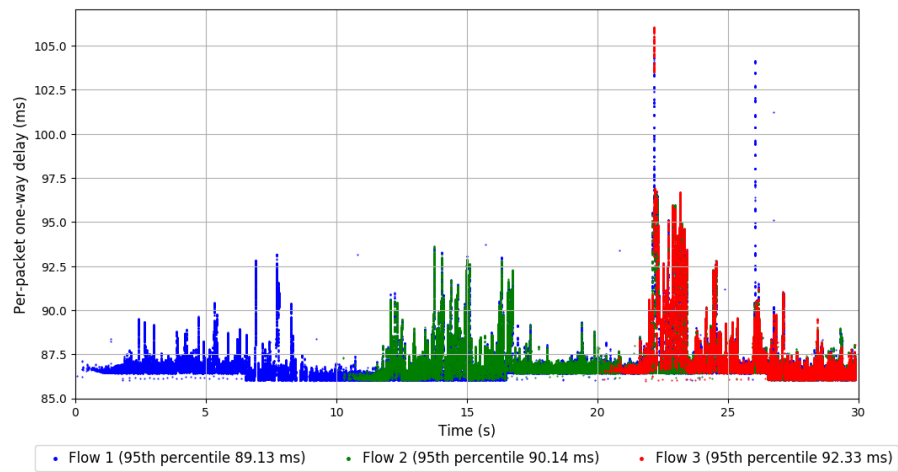
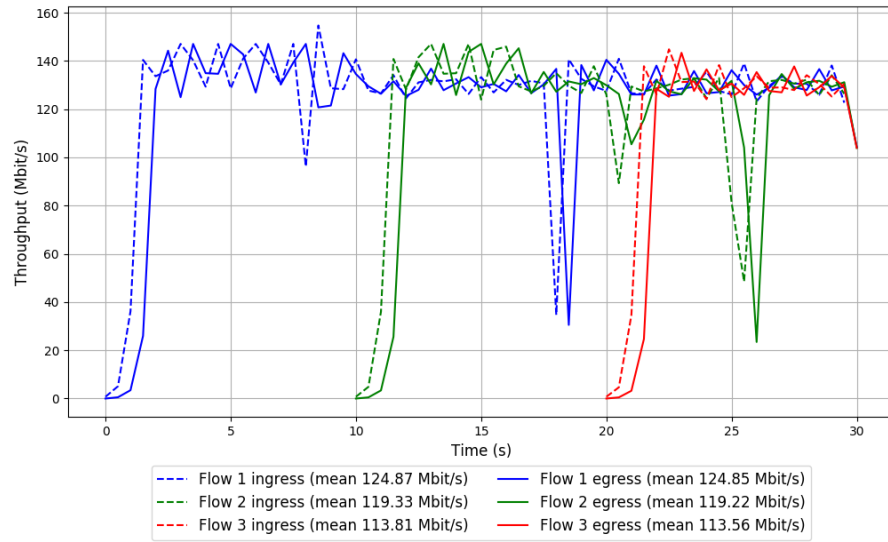
-- Flow 3:

Average throughput: 113.56 Mbit/s

95th percentile per-packet one-way delay: 92.332 ms

Loss rate: 1.96%

Run 1: Report of TCP BBR — Data Link

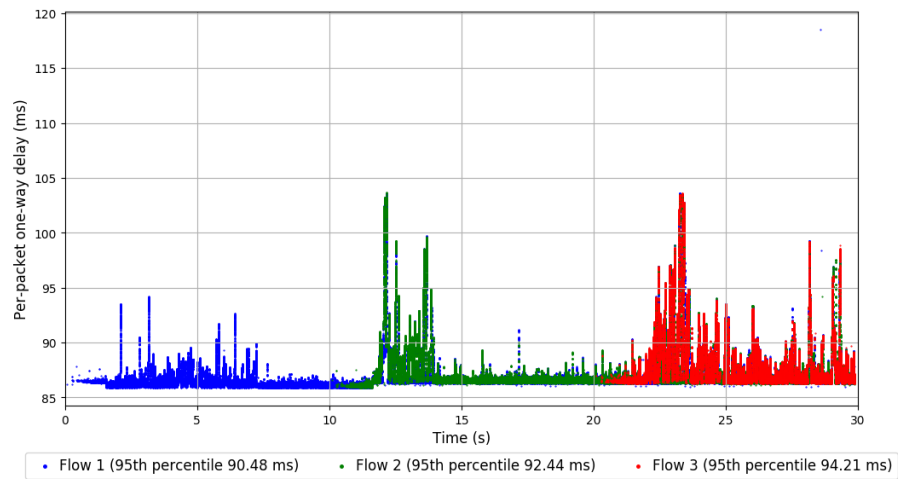
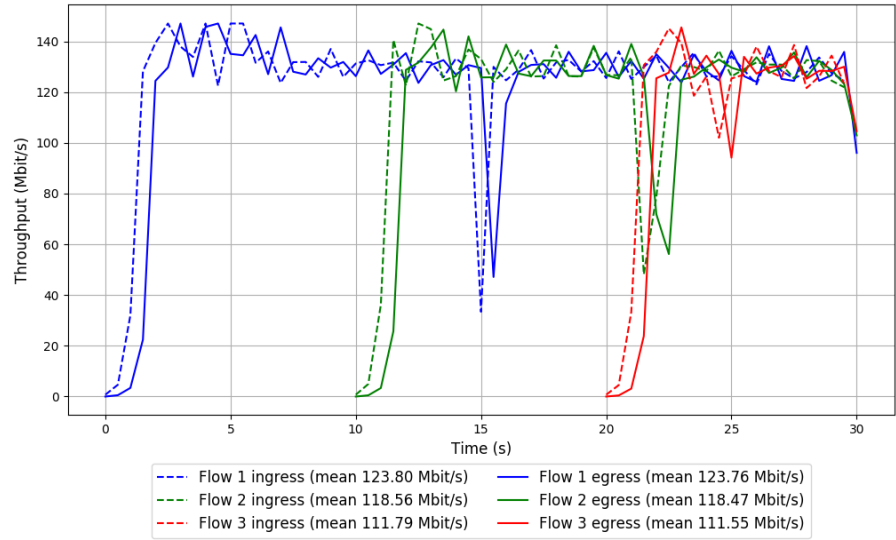


Run 2: Statistics of TCP BBR

Start at: 2018-08-01 18:28:27
End at: 2018-08-01 18:28:57
Local clock offset: 0.125 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-08-01 22:25:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 238.94 Mbit/s
95th percentile per-packet one-way delay: 92.089 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 123.76 Mbit/s
95th percentile per-packet one-way delay: 90.480 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 118.47 Mbit/s
95th percentile per-packet one-way delay: 92.443 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 111.55 Mbit/s
95th percentile per-packet one-way delay: 94.208 ms
Loss rate: 1.96%

Run 2: Report of TCP BBR — Data Link

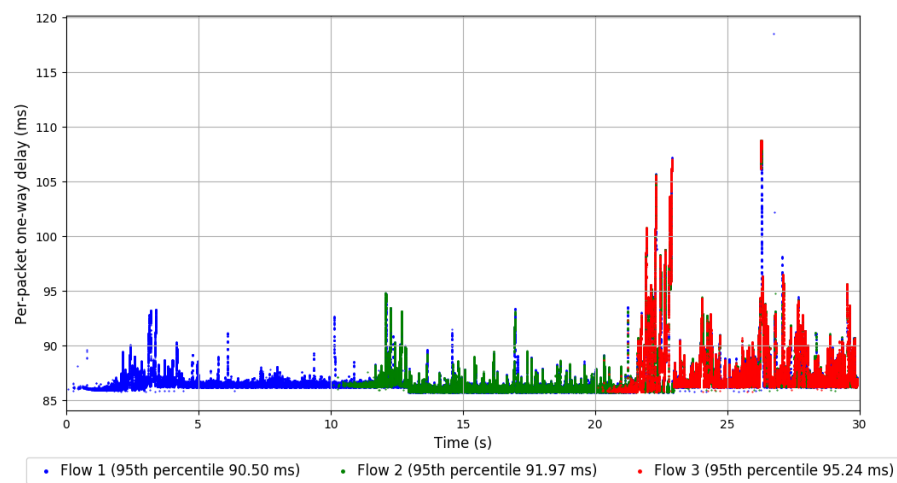
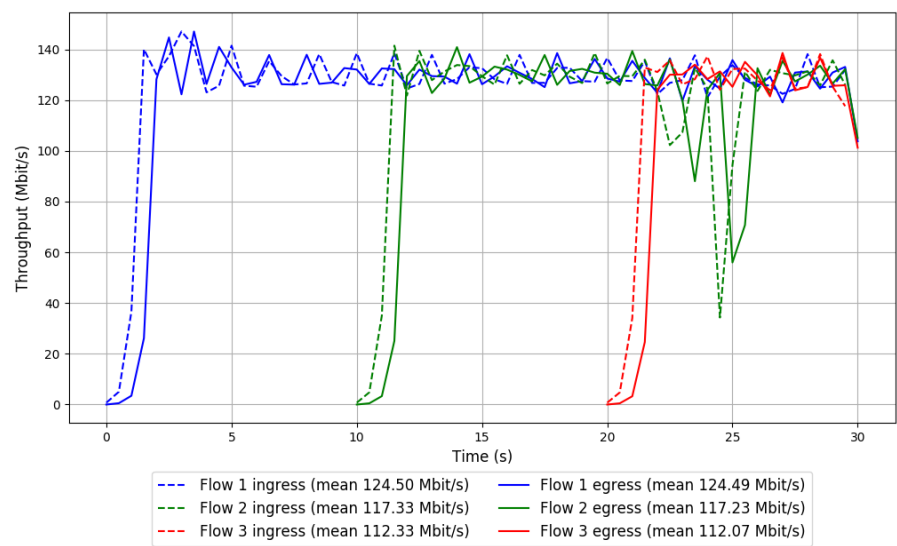


Run 3: Statistics of TCP BBR

Start at: 2018-08-01 18:53:36
End at: 2018-08-01 18:54:06
Local clock offset: -0.009 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-08-01 22:25:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 239.14 Mbit/s
95th percentile per-packet one-way delay: 91.796 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 124.49 Mbit/s
95th percentile per-packet one-way delay: 90.496 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 117.23 Mbit/s
95th percentile per-packet one-way delay: 91.965 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 112.07 Mbit/s
95th percentile per-packet one-way delay: 95.243 ms
Loss rate: 1.96%

Run 3: Report of TCP BBR — Data Link

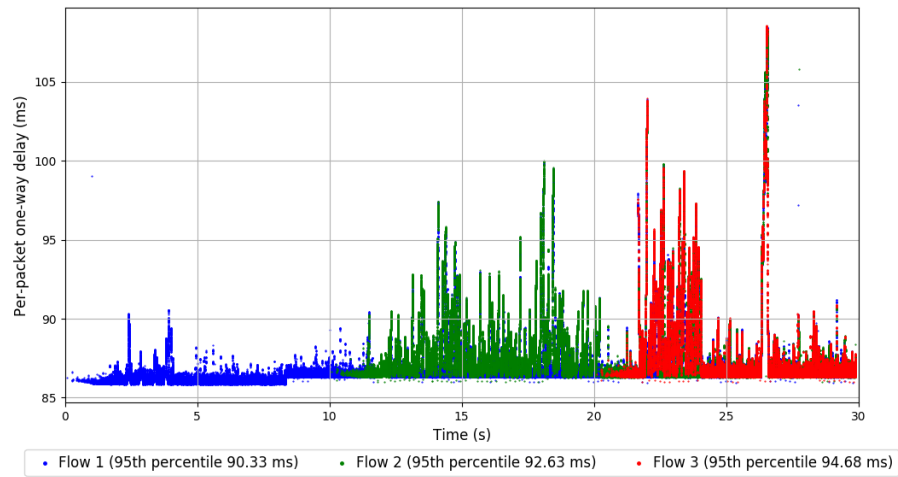
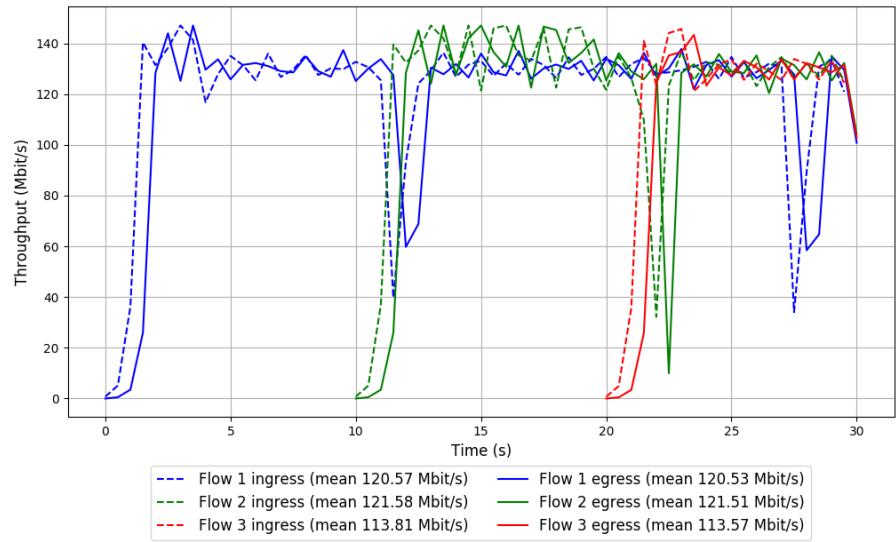


Run 4: Statistics of TCP BBR

Start at: 2018-08-01 19:18:41
End at: 2018-08-01 19:19:11
Local clock offset: 0.108 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-08-01 22:25:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 238.60 Mbit/s
95th percentile per-packet one-way delay: 92.216 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 120.53 Mbit/s
95th percentile per-packet one-way delay: 90.329 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 121.51 Mbit/s
95th percentile per-packet one-way delay: 92.632 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 113.57 Mbit/s
95th percentile per-packet one-way delay: 94.679 ms
Loss rate: 1.96%

Run 4: Report of TCP BBR — Data Link

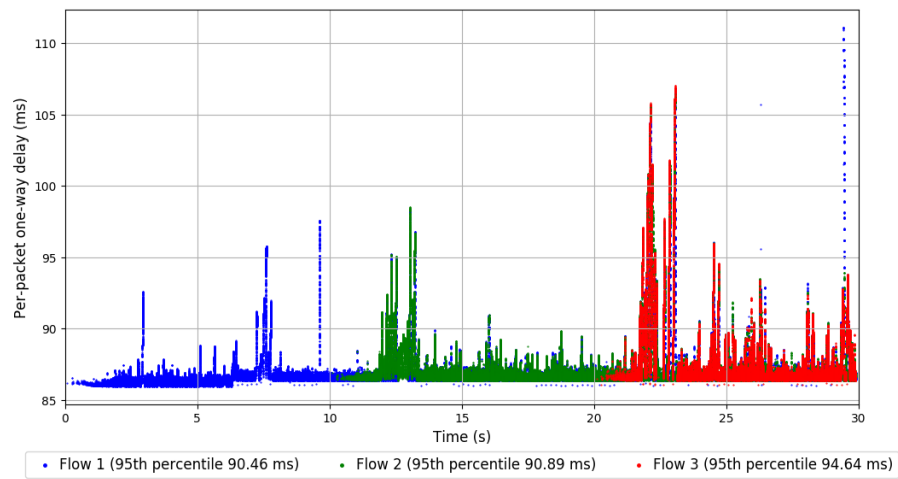
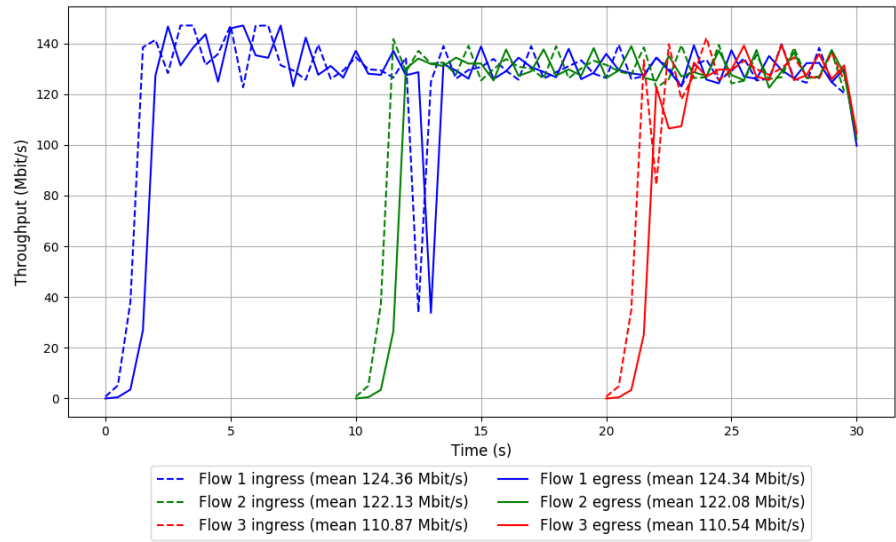


Run 5: Statistics of TCP BBR

Start at: 2018-08-01 19:43:53
End at: 2018-08-01 19:44:23
Local clock offset: 0.171 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-08-01 22:25:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 241.76 Mbit/s
95th percentile per-packet one-way delay: 91.253 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 124.34 Mbit/s
95th percentile per-packet one-way delay: 90.460 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 122.08 Mbit/s
95th percentile per-packet one-way delay: 90.885 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 110.54 Mbit/s
95th percentile per-packet one-way delay: 94.640 ms
Loss rate: 2.04%

Run 5: Report of TCP BBR — Data Link

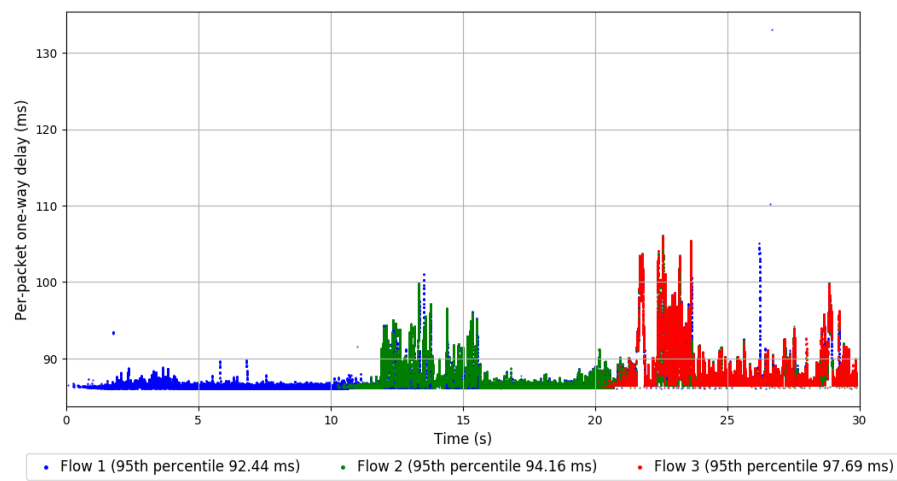
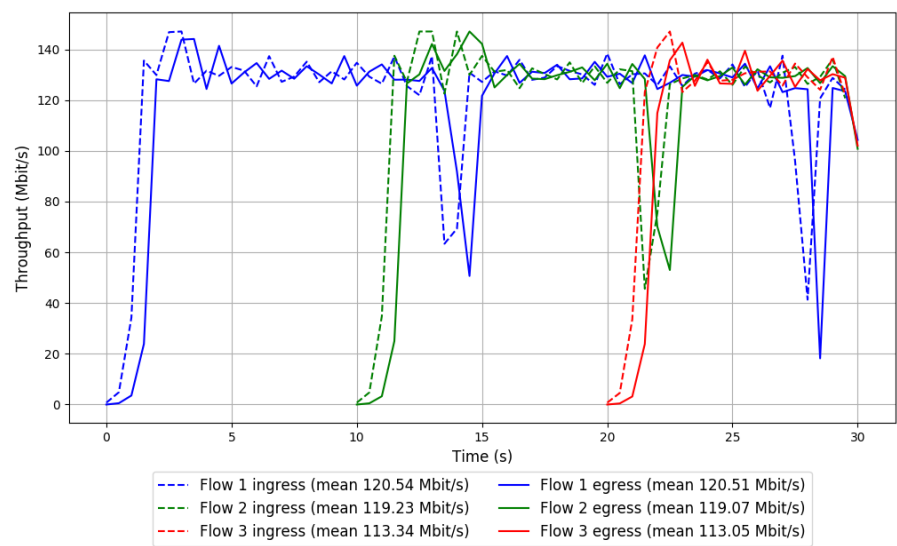


Run 6: Statistics of TCP BBR

Start at: 2018-08-01 20:09:08
End at: 2018-08-01 20:09:38
Local clock offset: 0.305 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-08-01 22:25:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 236.62 Mbit/s
95th percentile per-packet one-way delay: 94.171 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 120.51 Mbit/s
95th percentile per-packet one-way delay: 92.443 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 119.07 Mbit/s
95th percentile per-packet one-way delay: 94.160 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 113.05 Mbit/s
95th percentile per-packet one-way delay: 97.688 ms
Loss rate: 2.07%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-08-01 20:34:28

End at: 2018-08-01 20:34:58

Local clock offset: 0.137 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-08-01 22:25:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 238.01 Mbit/s

95th percentile per-packet one-way delay: 93.772 ms

Loss rate: 0.96%

-- Flow 1:

Average throughput: 121.64 Mbit/s

95th percentile per-packet one-way delay: 92.999 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 119.22 Mbit/s

95th percentile per-packet one-way delay: 93.609 ms

Loss rate: 1.02%

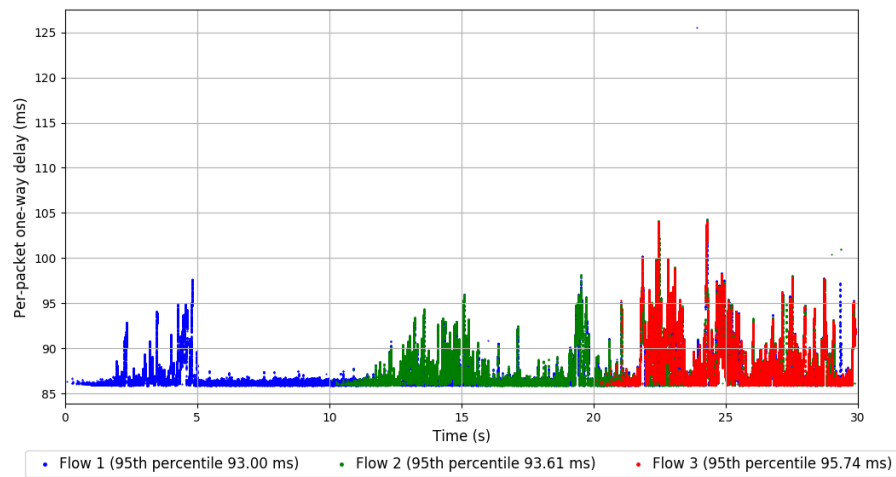
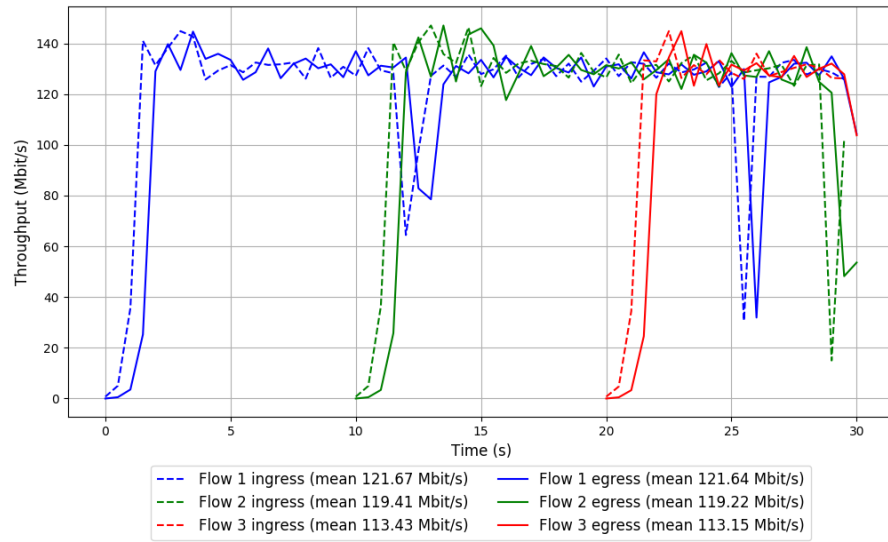
-- Flow 3:

Average throughput: 113.15 Mbit/s

95th percentile per-packet one-way delay: 95.737 ms

Loss rate: 1.98%

Run 7: Report of TCP BBR — Data Link

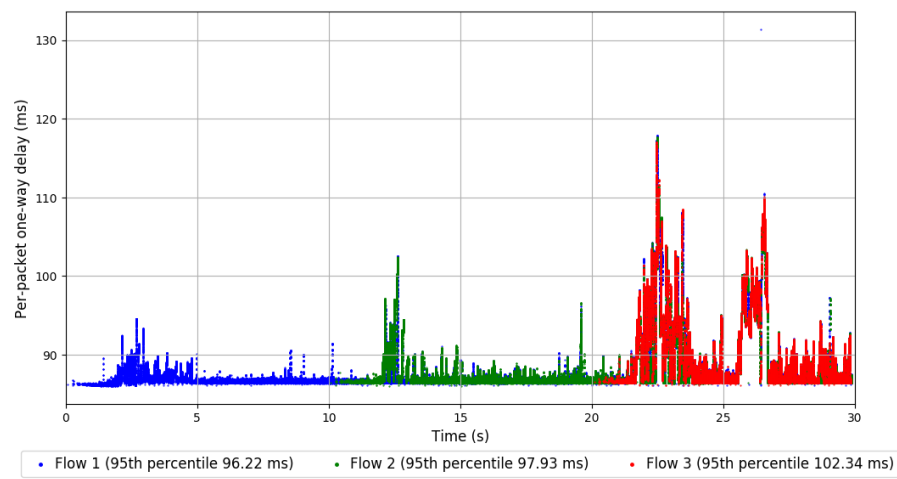
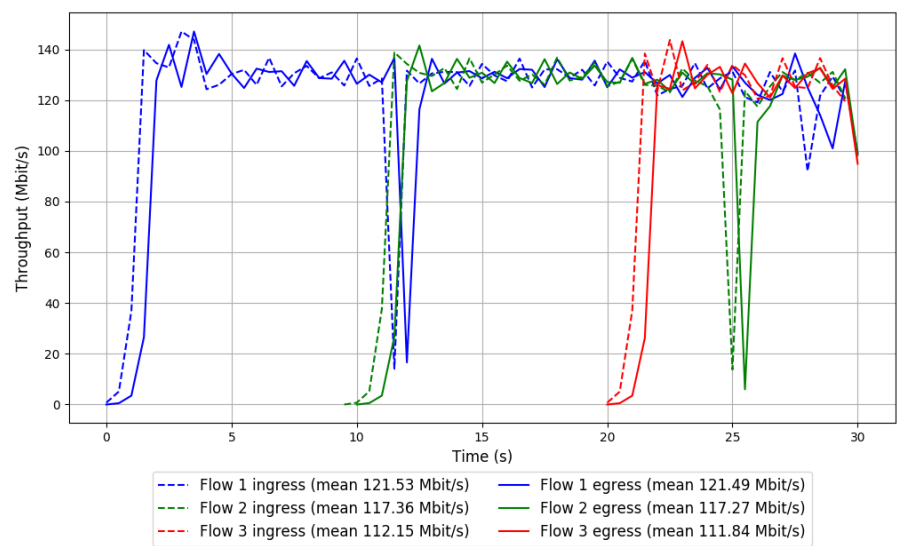


Run 8: Statistics of TCP BBR

Start at: 2018-08-01 21:01:06
End at: 2018-08-01 21:01:36
Local clock offset: 0.16 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-08-01 22:25:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 236.03 Mbit/s
95th percentile per-packet one-way delay: 98.293 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 121.49 Mbit/s
95th percentile per-packet one-way delay: 96.219 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 117.27 Mbit/s
95th percentile per-packet one-way delay: 97.933 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 111.84 Mbit/s
95th percentile per-packet one-way delay: 102.339 ms
Loss rate: 2.21%

Run 8: Report of TCP BBR — Data Link

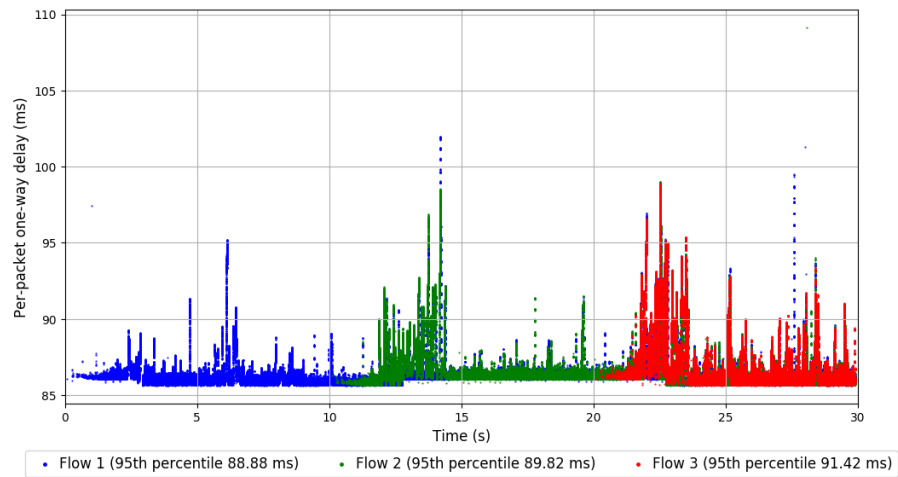
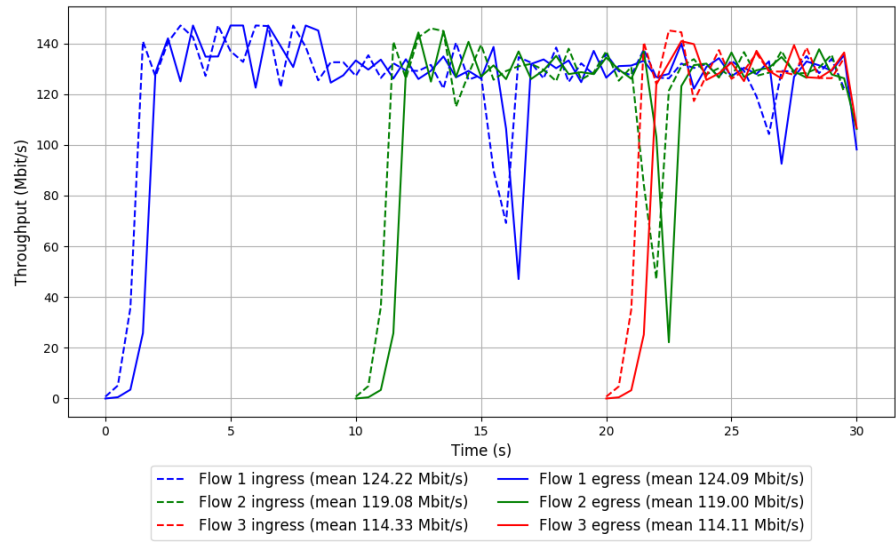


Run 9: Statistics of TCP BBR

Start at: 2018-08-01 21:28:06
End at: 2018-08-01 21:28:36
Local clock offset: -0.205 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-08-01 22:29:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 240.59 Mbit/s
95th percentile per-packet one-way delay: 89.845 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 124.09 Mbit/s
95th percentile per-packet one-way delay: 88.884 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 119.00 Mbit/s
95th percentile per-packet one-way delay: 89.822 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 114.11 Mbit/s
95th percentile per-packet one-way delay: 91.425 ms
Loss rate: 1.94%

Run 9: Report of TCP BBR — Data Link

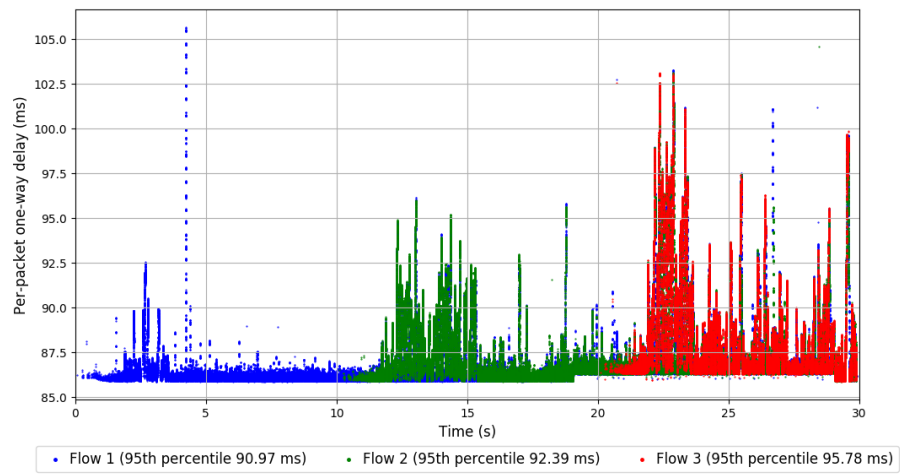
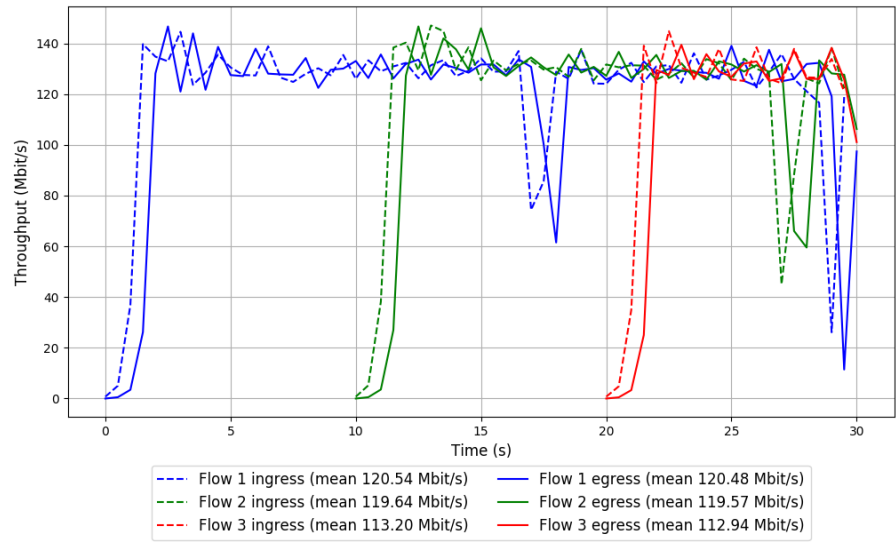


Run 10: Statistics of TCP BBR

Start at: 2018-08-01 21:54:00
End at: 2018-08-01 21:54:30
Local clock offset: 0.049 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-08-01 22:29:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 237.05 Mbit/s
95th percentile per-packet one-way delay: 92.345 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 120.48 Mbit/s
95th percentile per-packet one-way delay: 90.966 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 119.57 Mbit/s
95th percentile per-packet one-way delay: 92.394 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 112.94 Mbit/s
95th percentile per-packet one-way delay: 95.783 ms
Loss rate: 1.96%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-08-01 17:53:15

End at: 2018-08-01 17:53:45

Local clock offset: 0.141 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-08-01 22:32:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 211.75 Mbit/s

95th percentile per-packet one-way delay: 94.665 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 119.14 Mbit/s

95th percentile per-packet one-way delay: 93.851 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 112.10 Mbit/s

95th percentile per-packet one-way delay: 96.106 ms

Loss rate: 0.82%

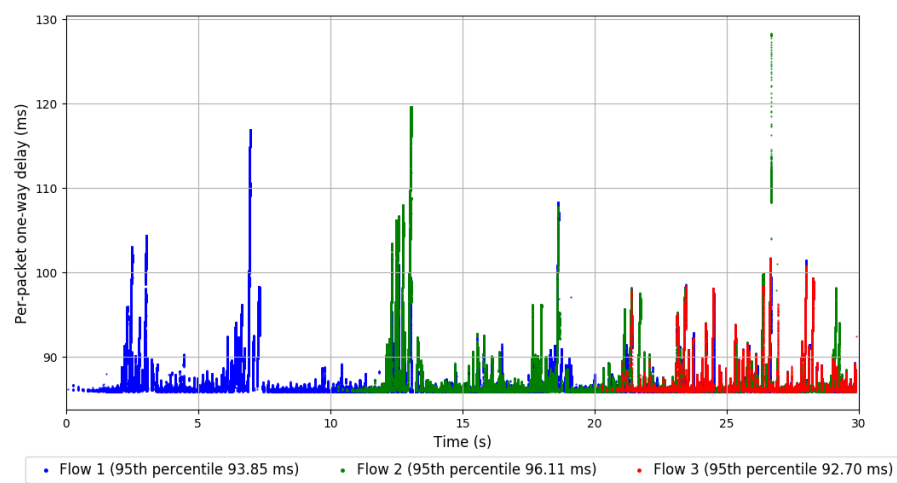
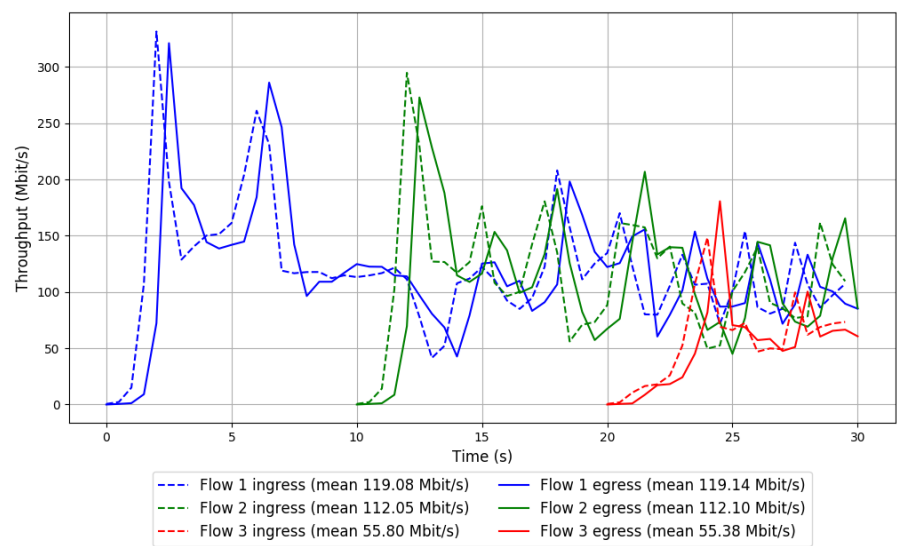
-- Flow 3:

Average throughput: 55.38 Mbit/s

95th percentile per-packet one-way delay: 92.704 ms

Loss rate: 2.41%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-08-01 18:18:21

End at: 2018-08-01 18:18:51

Local clock offset: 0.09 ms

Remote clock offset: 0.061 ms

Below is generated by plot.py at 2018-08-01 22:32:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 201.93 Mbit/s

95th percentile per-packet one-way delay: 100.085 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 96.35 Mbit/s

95th percentile per-packet one-way delay: 98.282 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 108.46 Mbit/s

95th percentile per-packet one-way delay: 101.323 ms

Loss rate: 0.54%

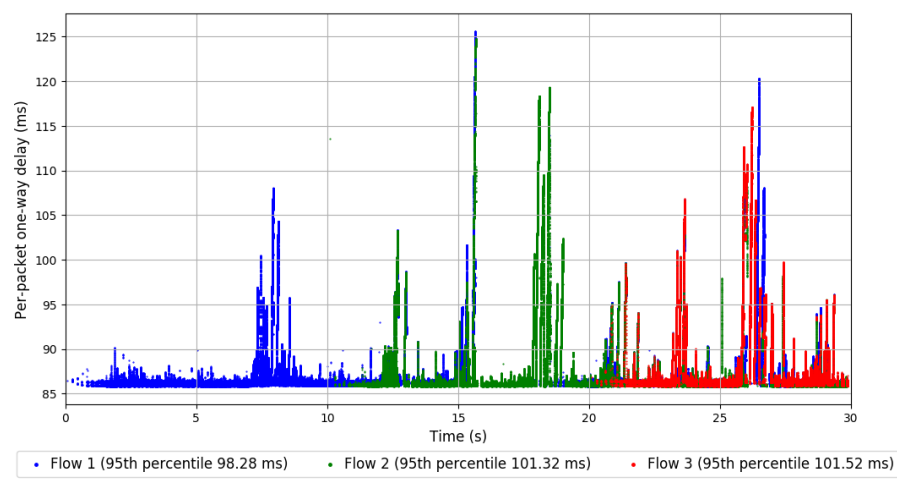
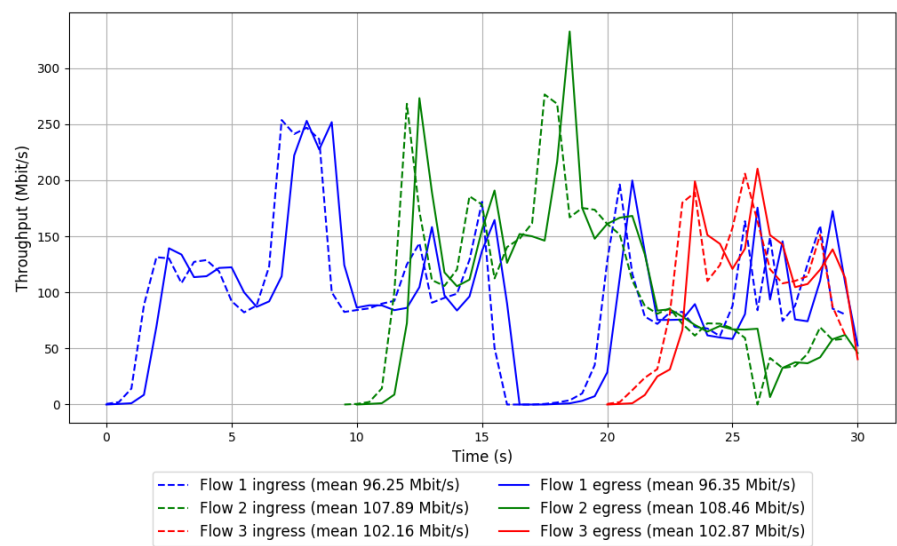
-- Flow 3:

Average throughput: 102.87 Mbit/s

95th percentile per-packet one-way delay: 101.523 ms

Loss rate: 1.05%

Run 2: Report of Copa — Data Link

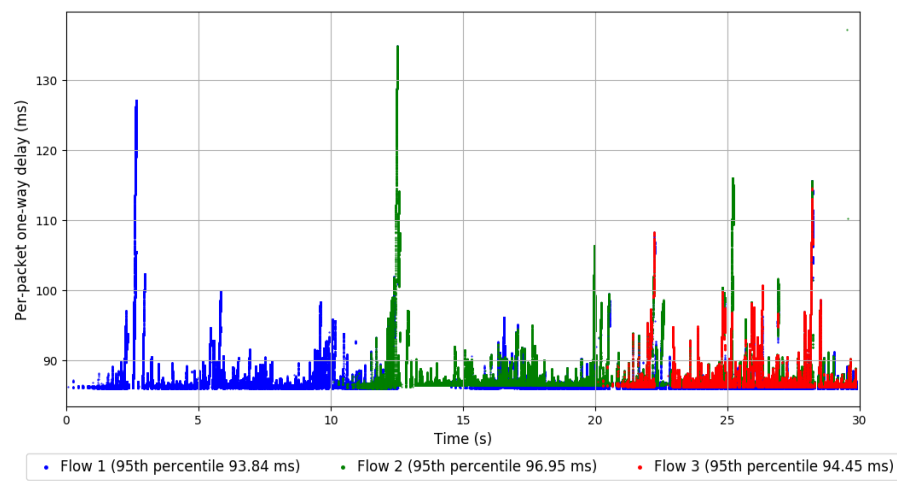
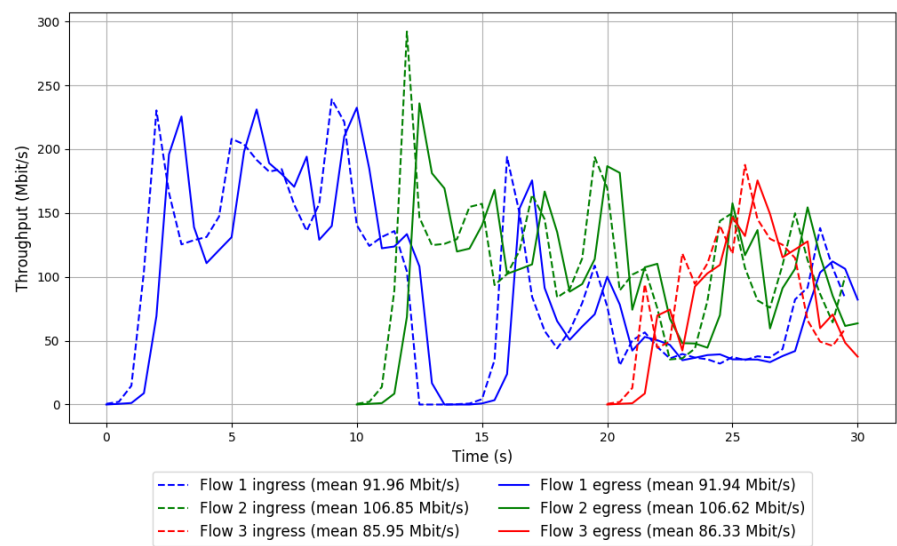


Run 3: Statistics of Copa

Start at: 2018-08-01 18:43:36
End at: 2018-08-01 18:44:06
Local clock offset: 0.263 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-08-01 22:32:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 190.98 Mbit/s
95th percentile per-packet one-way delay: 95.165 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 91.94 Mbit/s
95th percentile per-packet one-way delay: 93.842 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 106.62 Mbit/s
95th percentile per-packet one-way delay: 96.953 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 86.33 Mbit/s
95th percentile per-packet one-way delay: 94.448 ms
Loss rate: 1.31%

Run 3: Report of Copa — Data Link

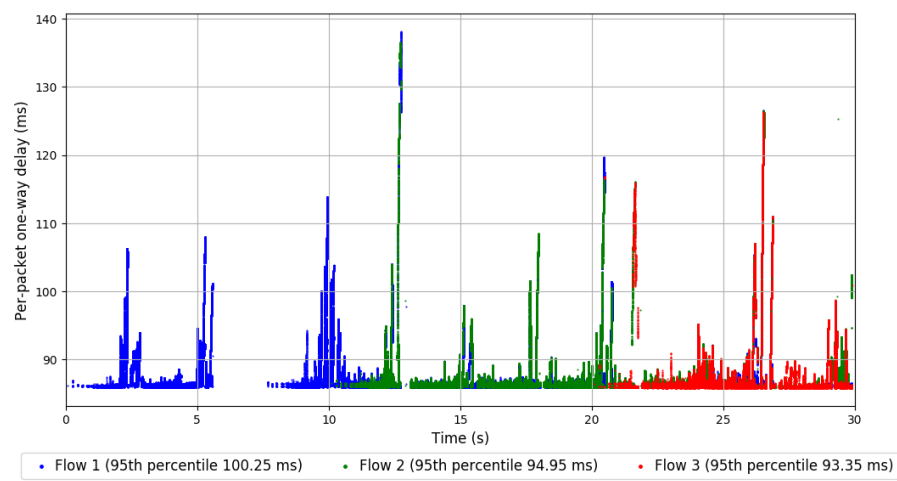
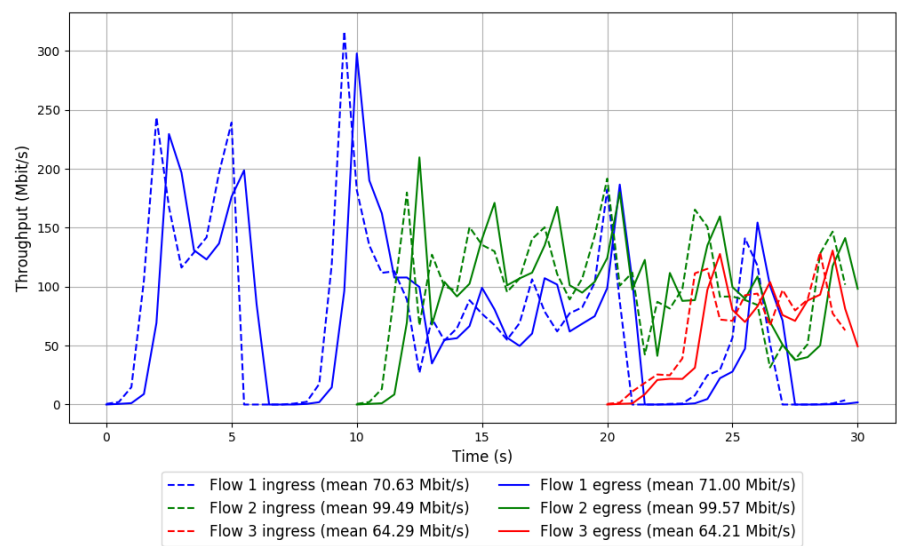


Run 4: Statistics of Copa

Start at: 2018-08-01 19:08:54
End at: 2018-08-01 19:09:24
Local clock offset: 0.133 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-08-01 22:32:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 158.23 Mbit/s
95th percentile per-packet one-way delay: 97.915 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 71.00 Mbit/s
95th percentile per-packet one-way delay: 100.246 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 99.57 Mbit/s
95th percentile per-packet one-way delay: 94.953 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 64.21 Mbit/s
95th percentile per-packet one-way delay: 93.346 ms
Loss rate: 1.71%

Run 4: Report of Copa — Data Link

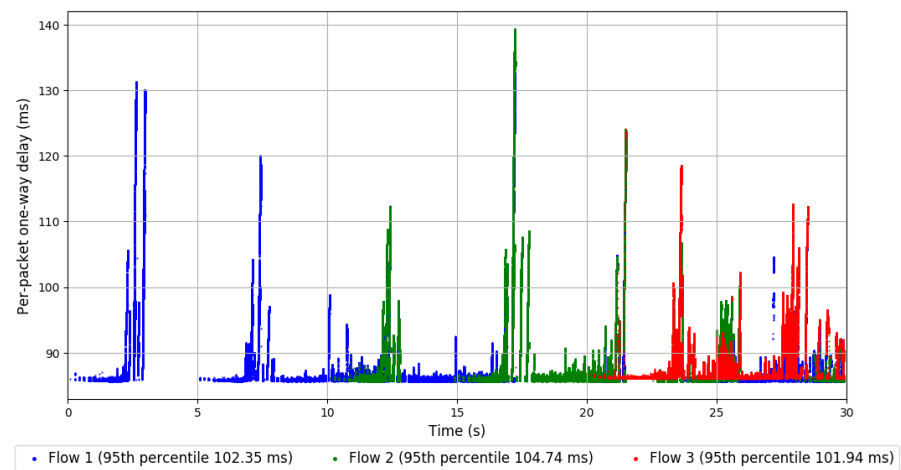
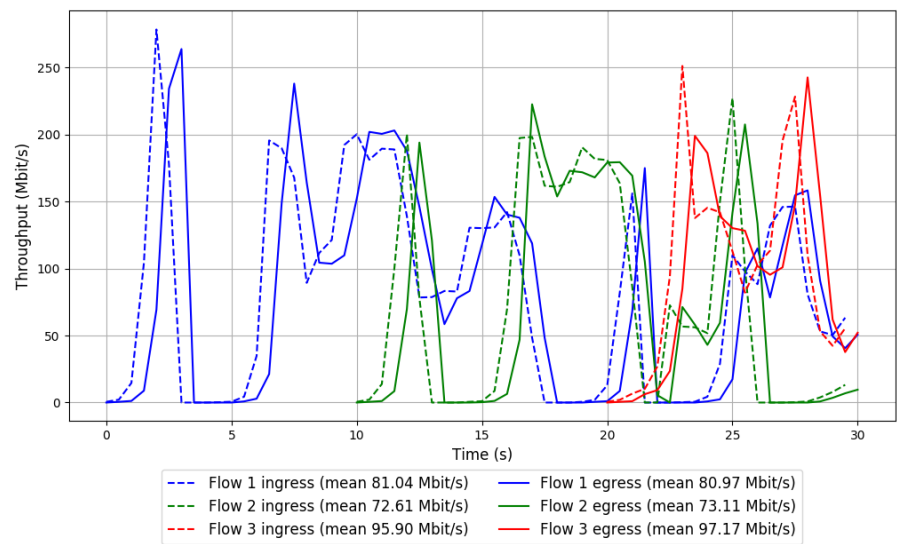


Run 5: Statistics of Copa

Start at: 2018-08-01 19:33:58
End at: 2018-08-01 19:34:28
Local clock offset: -0.11 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-08-01 22:32:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 161.37 Mbit/s
95th percentile per-packet one-way delay: 103.017 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 80.97 Mbit/s
95th percentile per-packet one-way delay: 102.348 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 73.11 Mbit/s
95th percentile per-packet one-way delay: 104.739 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 101.943 ms
Loss rate: 0.49%

Run 5: Report of Copa — Data Link

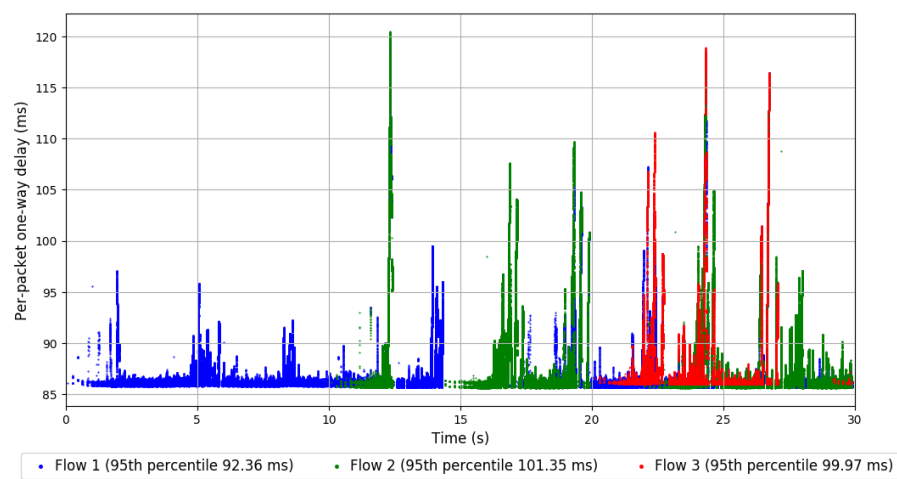
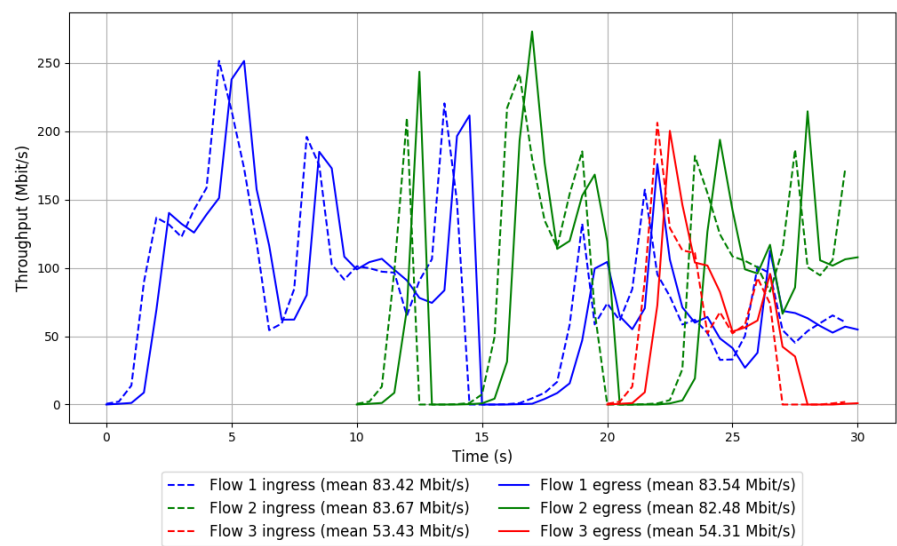


Run 6: Statistics of Copa

Start at: 2018-08-01 19:59:00
End at: 2018-08-01 19:59:30
Local clock offset: -0.137 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-08-01 22:32:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 156.11 Mbit/s
95th percentile per-packet one-way delay: 96.664 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 83.54 Mbit/s
95th percentile per-packet one-way delay: 92.355 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 82.48 Mbit/s
95th percentile per-packet one-way delay: 101.353 ms
Loss rate: 2.28%
-- Flow 3:
Average throughput: 54.31 Mbit/s
95th percentile per-packet one-way delay: 99.971 ms
Loss rate: 0.12%

Run 6: Report of Copa — Data Link

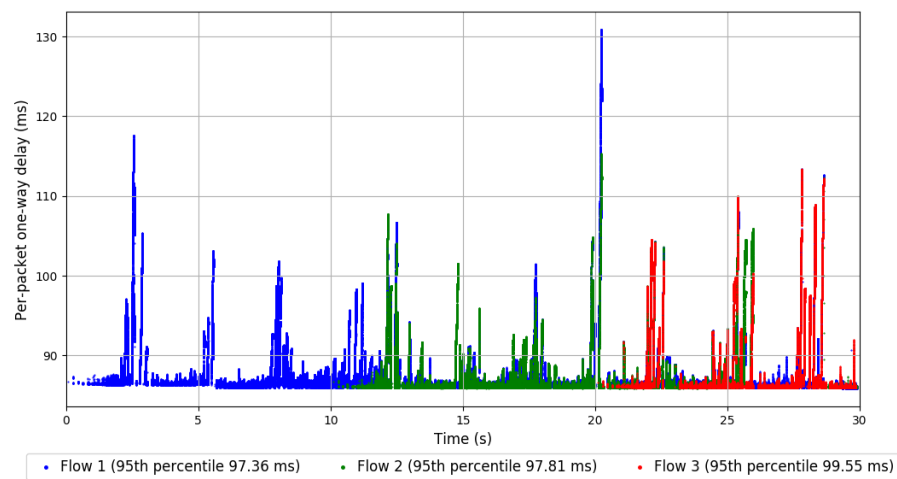
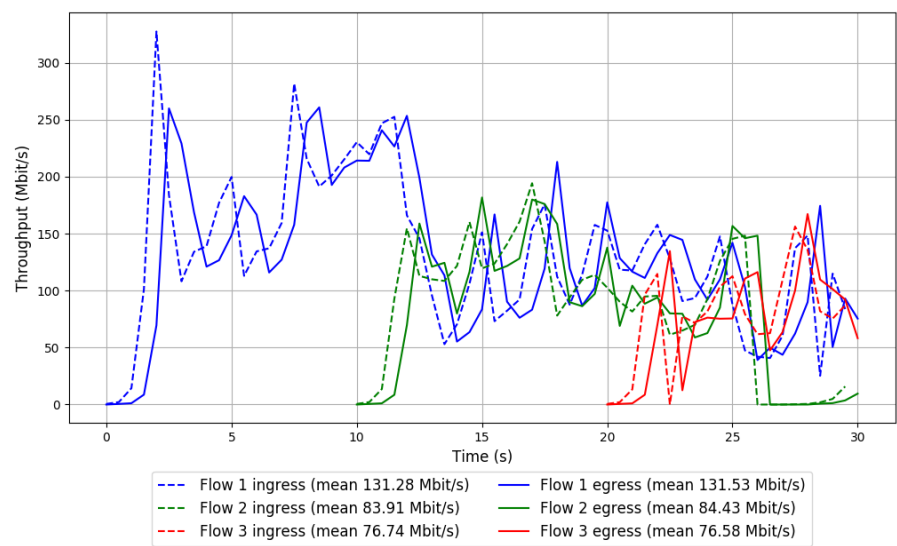


Run 7: Statistics of Copa

Start at: 2018-08-01 20:24:24
End at: 2018-08-01 20:24:54
Local clock offset: 0.144 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-08-01 22:37:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 212.66 Mbit/s
95th percentile per-packet one-way delay: 97.806 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 131.53 Mbit/s
95th percentile per-packet one-way delay: 97.361 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 84.43 Mbit/s
95th percentile per-packet one-way delay: 97.809 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 76.58 Mbit/s
95th percentile per-packet one-way delay: 99.550 ms
Loss rate: 1.99%

Run 7: Report of Copa — Data Link

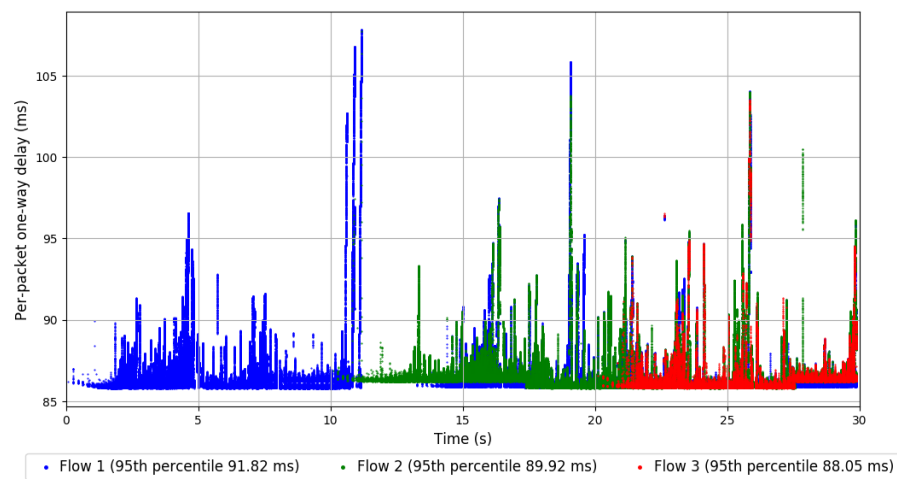
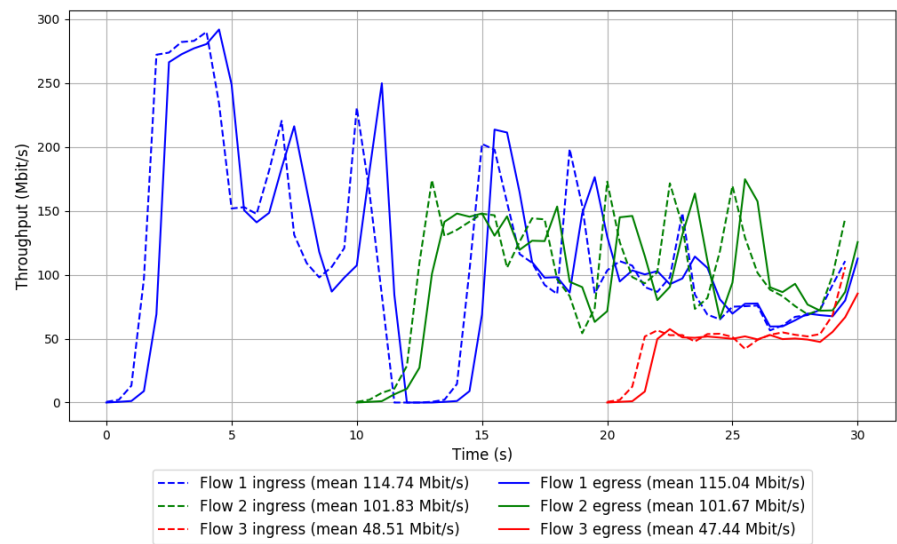


Run 8: Statistics of Copa

Start at: 2018-08-01 20:50:02
End at: 2018-08-01 20:50:32
Local clock offset: 0.131 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-08-01 22:37:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 198.15 Mbit/s
95th percentile per-packet one-way delay: 90.808 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 115.04 Mbit/s
95th percentile per-packet one-way delay: 91.821 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 101.67 Mbit/s
95th percentile per-packet one-way delay: 89.924 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 47.44 Mbit/s
95th percentile per-packet one-way delay: 88.053 ms
Loss rate: 3.89%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-08-01 21:16:47

End at: 2018-08-01 21:17:17

Local clock offset: 0.041 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-08-01 22:38:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 196.10 Mbit/s

95th percentile per-packet one-way delay: 96.432 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 126.53 Mbit/s

95th percentile per-packet one-way delay: 94.819 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 78.24 Mbit/s

95th percentile per-packet one-way delay: 102.185 ms

Loss rate: 0.00%

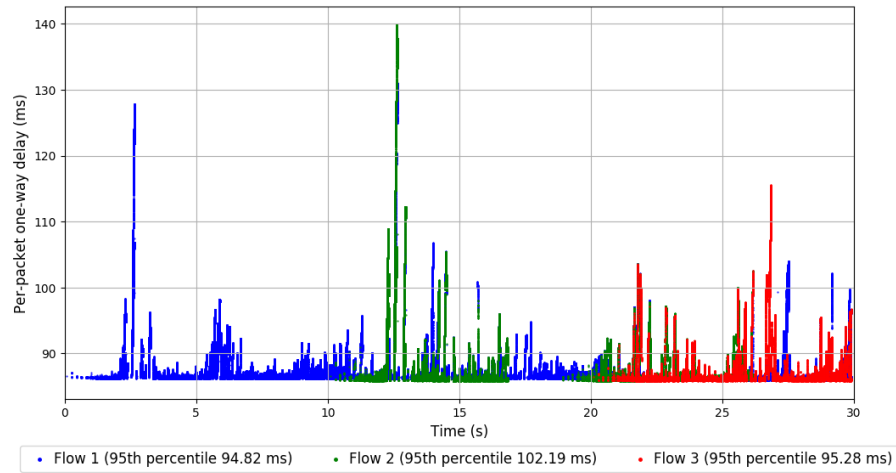
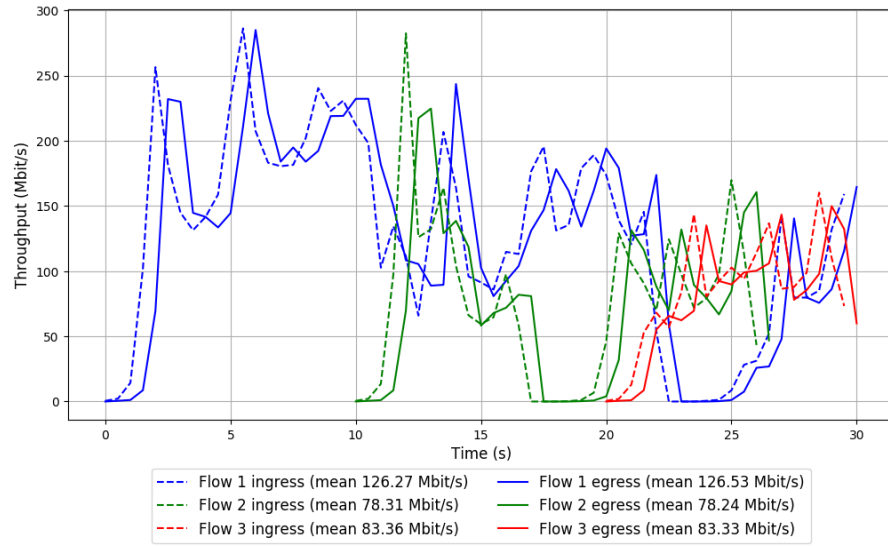
-- Flow 3:

Average throughput: 83.33 Mbit/s

95th percentile per-packet one-way delay: 95.283 ms

Loss rate: 1.55%

Run 9: Report of Copa — Data Link

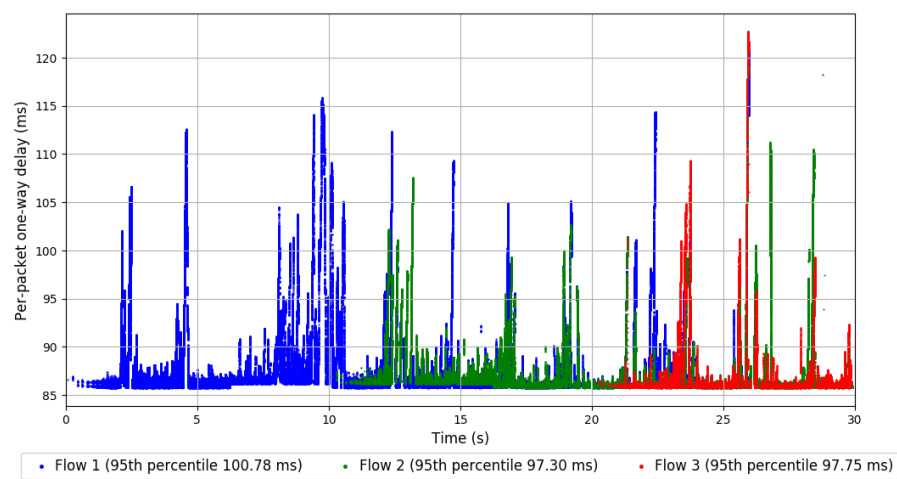
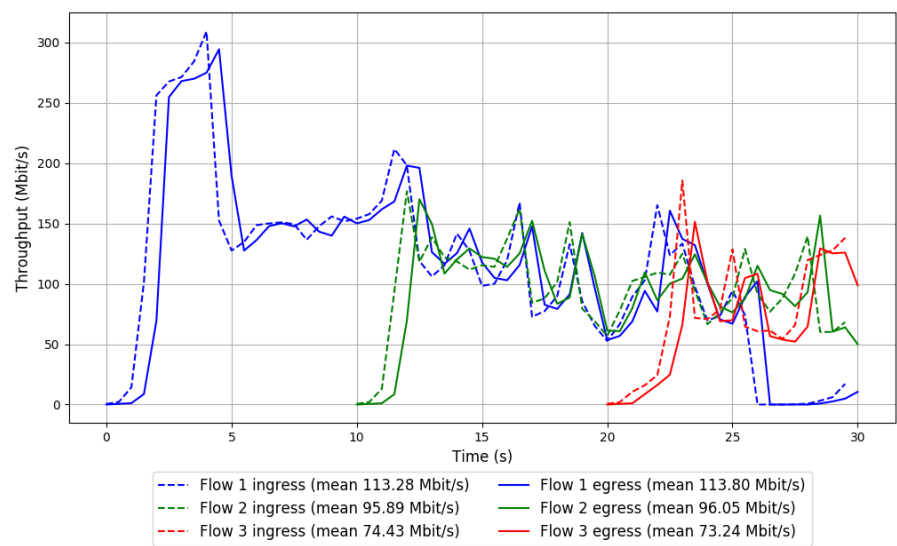


Run 10: Statistics of Copa

Start at: 2018-08-01 21:43:43
End at: 2018-08-01 21:44:13
Local clock offset: -0.089 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-08-01 22:38:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 201.56 Mbit/s
95th percentile per-packet one-way delay: 99.327 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 113.80 Mbit/s
95th percentile per-packet one-way delay: 100.775 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 96.05 Mbit/s
95th percentile per-packet one-way delay: 97.303 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 73.24 Mbit/s
95th percentile per-packet one-way delay: 97.746 ms
Loss rate: 3.33%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-08-01 18:11:36

End at: 2018-08-01 18:12:06

Local clock offset: 0.035 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2018-08-01 22:38:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 134.74 Mbit/s

95th percentile per-packet one-way delay: 90.731 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 85.25 Mbit/s

95th percentile per-packet one-way delay: 91.115 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 73.29 Mbit/s

95th percentile per-packet one-way delay: 89.950 ms

Loss rate: 1.11%

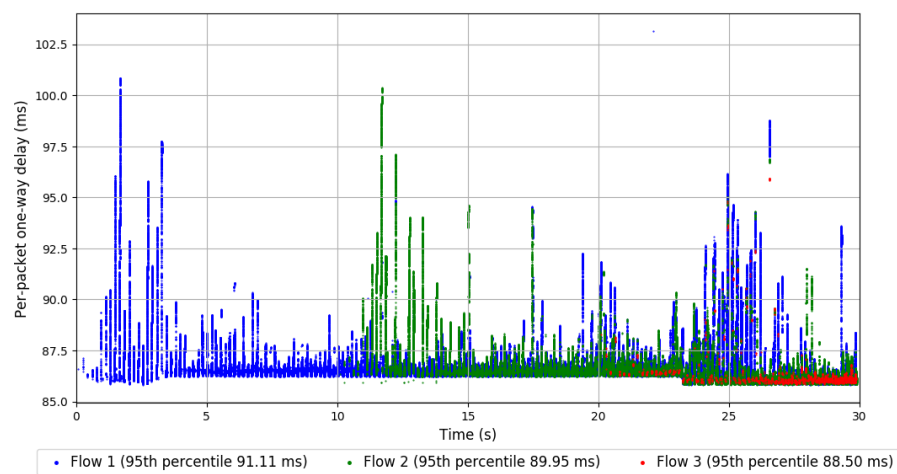
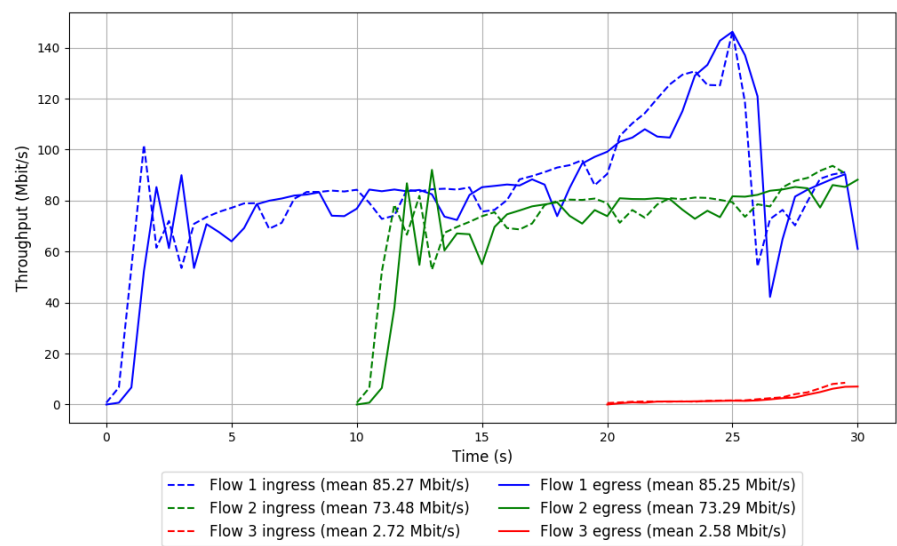
-- Flow 3:

Average throughput: 2.58 Mbit/s

95th percentile per-packet one-way delay: 88.497 ms

Loss rate: 6.53%

Run 1: Report of TCP Cubic — Data Link

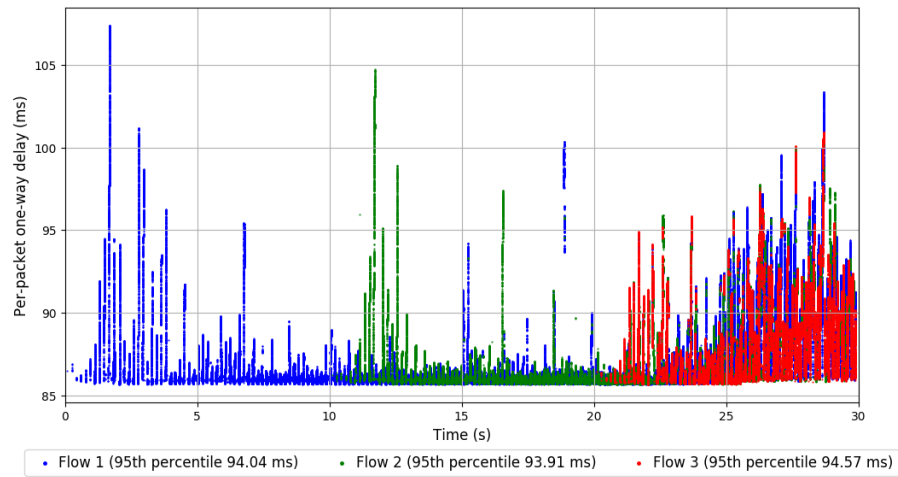
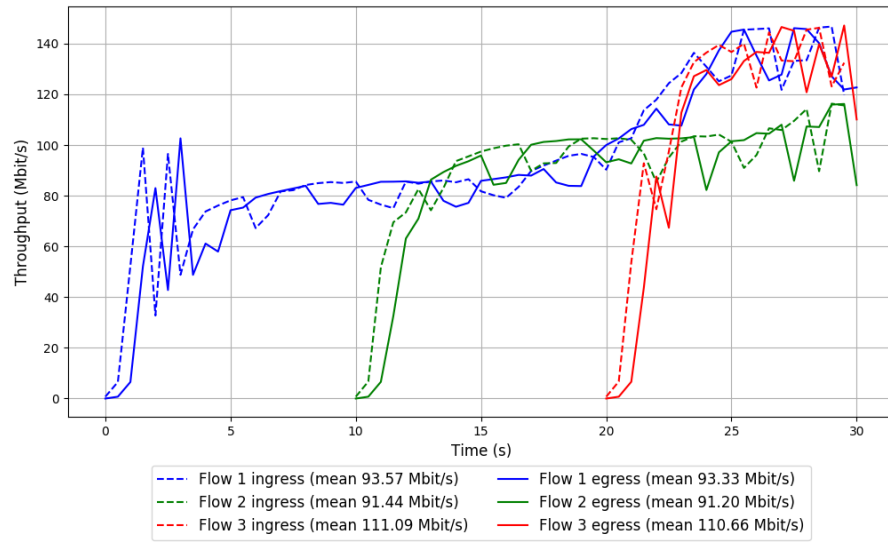


Run 2: Statistics of TCP Cubic

Start at: 2018-08-01 18:36:43
End at: 2018-08-01 18:37:13
Local clock offset: -0.027 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-08-01 22:38:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 190.16 Mbit/s
95th percentile per-packet one-way delay: 94.059 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 93.33 Mbit/s
95th percentile per-packet one-way delay: 94.036 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 91.20 Mbit/s
95th percentile per-packet one-way delay: 93.909 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 110.66 Mbit/s
95th percentile per-packet one-way delay: 94.573 ms
Loss rate: 2.12%

Run 2: Report of TCP Cubic — Data Link

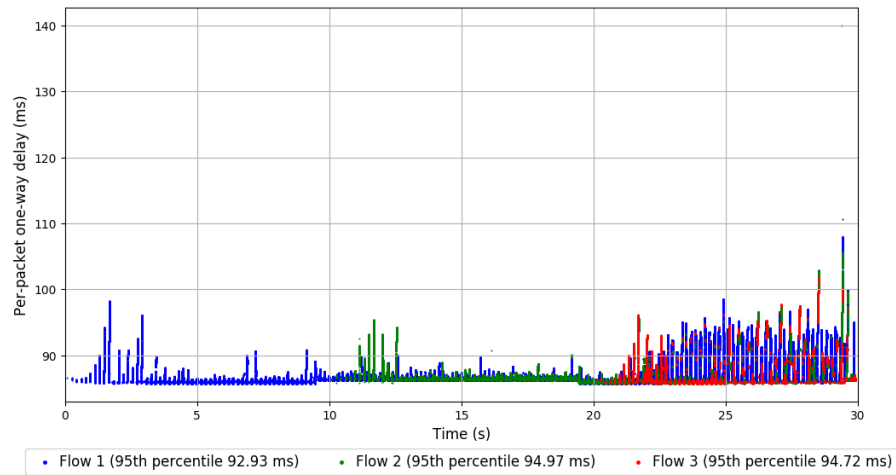
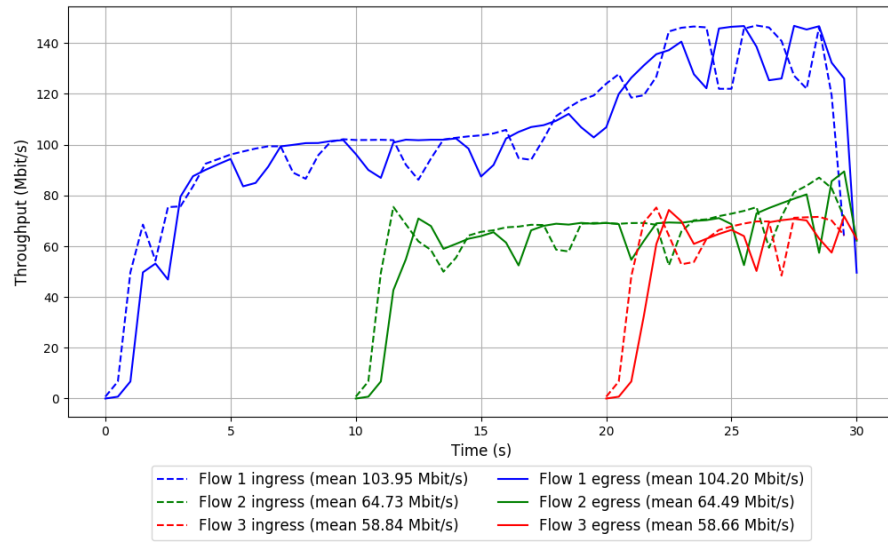


Run 3: Statistics of TCP Cubic

Start at: 2018-08-01 19:01:59
End at: 2018-08-01 19:02:30
Local clock offset: 0.06 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-08-01 22:38:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 166.16 Mbit/s
95th percentile per-packet one-way delay: 93.623 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 104.20 Mbit/s
95th percentile per-packet one-way delay: 92.930 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 64.49 Mbit/s
95th percentile per-packet one-way delay: 94.965 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 58.66 Mbit/s
95th percentile per-packet one-way delay: 94.715 ms
Loss rate: 2.02%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-08-01 19:27:07

End at: 2018-08-01 19:27:37

Local clock offset: 0.001 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-08-01 22:38:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 171.71 Mbit/s

95th percentile per-packet one-way delay: 93.847 ms

Loss rate: 1.00%

-- Flow 1:

Average throughput: 87.49 Mbit/s

95th percentile per-packet one-way delay: 94.359 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 88.60 Mbit/s

95th percentile per-packet one-way delay: 92.913 ms

Loss rate: 1.14%

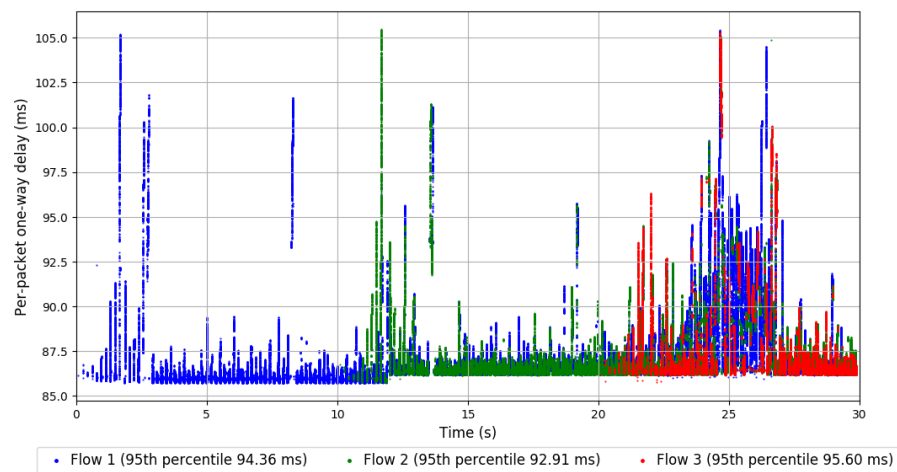
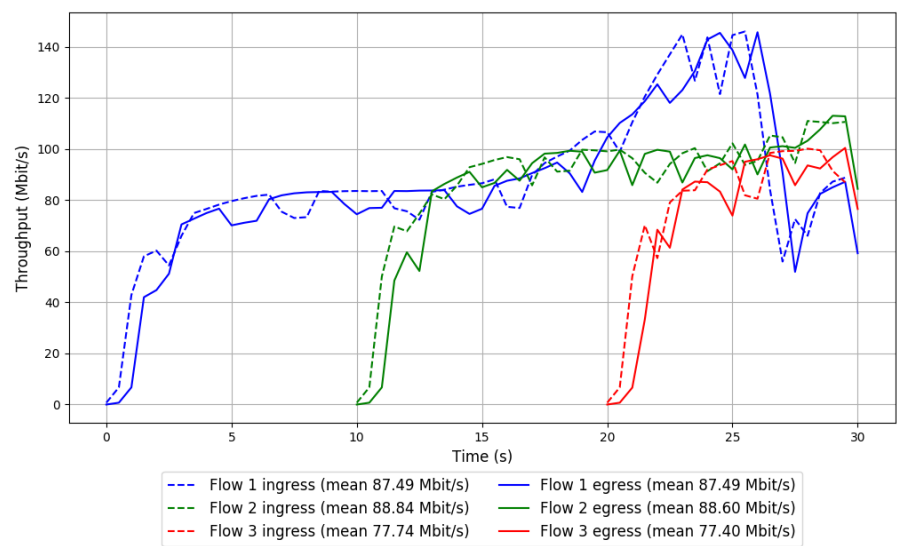
-- Flow 3:

Average throughput: 77.40 Mbit/s

95th percentile per-packet one-way delay: 95.601 ms

Loss rate: 2.16%

Run 4: Report of TCP Cubic — Data Link

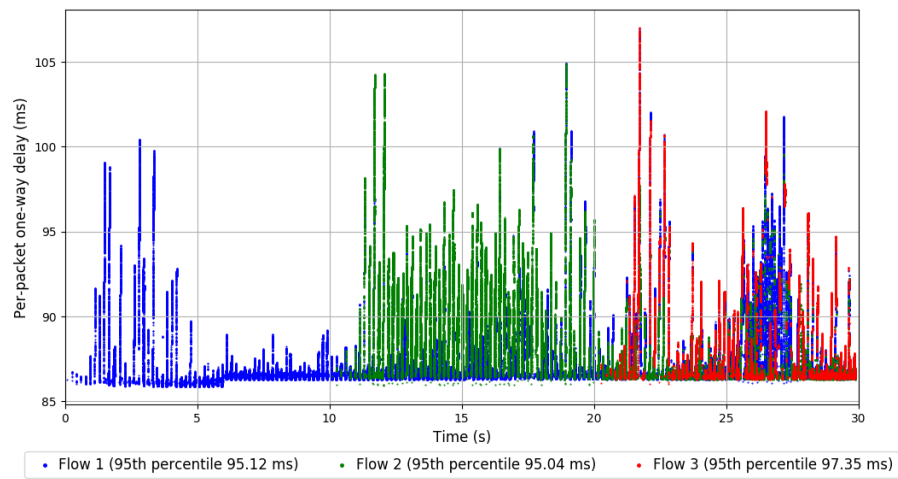
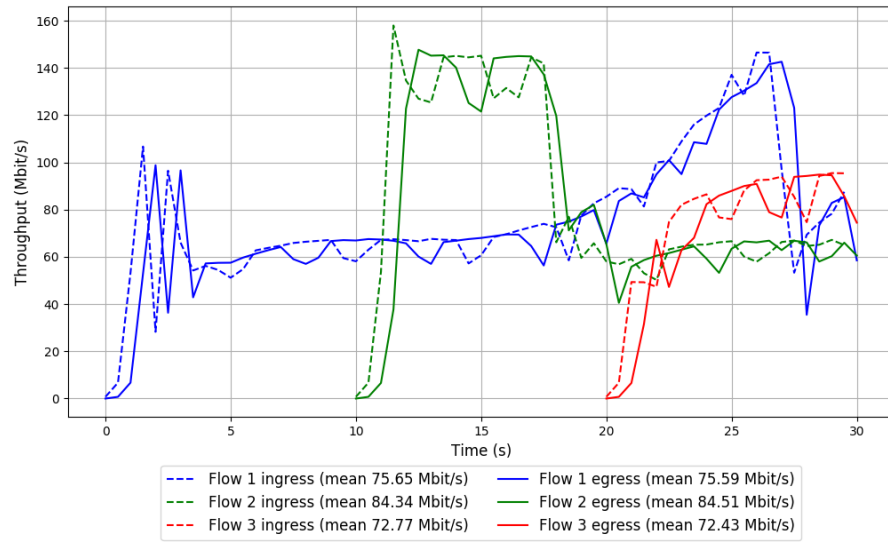


Run 5: Statistics of TCP Cubic

Start at: 2018-08-01 19:52:13
End at: 2018-08-01 19:52:43
Local clock offset: 0.096 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-08-01 22:38:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 155.42 Mbit/s
95th percentile per-packet one-way delay: 95.612 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 75.59 Mbit/s
95th percentile per-packet one-way delay: 95.121 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 84.51 Mbit/s
95th percentile per-packet one-way delay: 95.038 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 72.43 Mbit/s
95th percentile per-packet one-way delay: 97.347 ms
Loss rate: 2.20%

Run 5: Report of TCP Cubic — Data Link

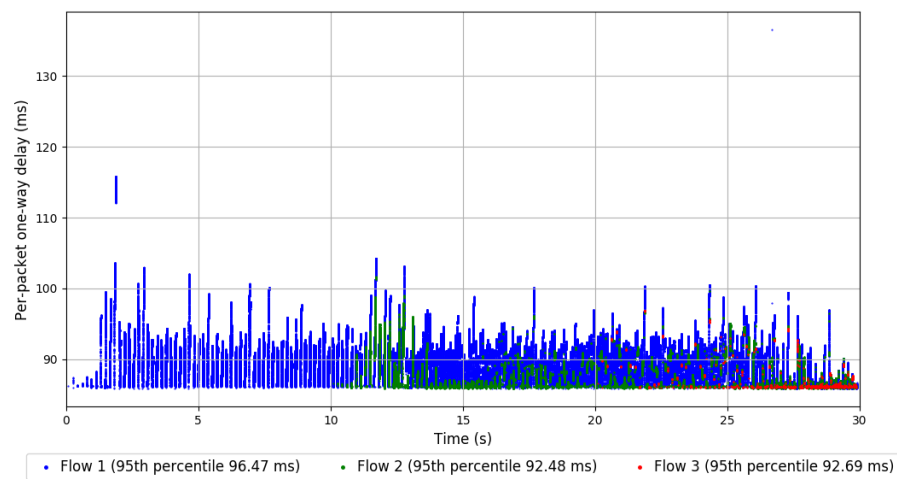
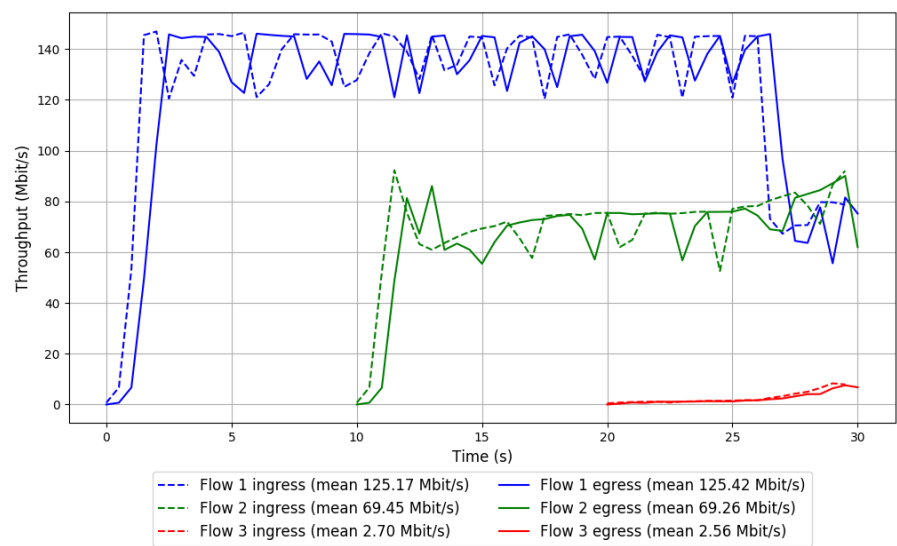


Run 6: Statistics of TCP Cubic

Start at: 2018-08-01 20:17:28
End at: 2018-08-01 20:17:58
Local clock offset: 0.157 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-08-01 22:39:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 172.25 Mbit/s
95th percentile per-packet one-way delay: 95.417 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 125.42 Mbit/s
95th percentile per-packet one-way delay: 96.472 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 69.26 Mbit/s
95th percentile per-packet one-way delay: 92.485 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 2.56 Mbit/s
95th percentile per-packet one-way delay: 92.694 ms
Loss rate: 6.70%

Run 6: Report of TCP Cubic — Data Link

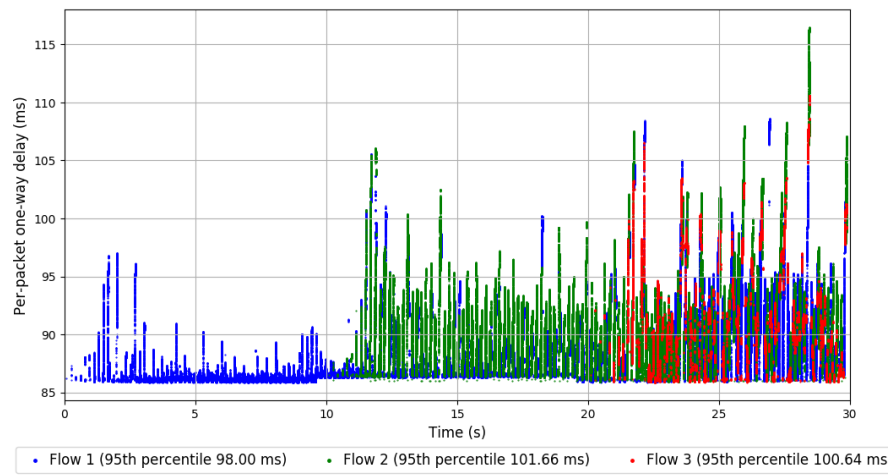
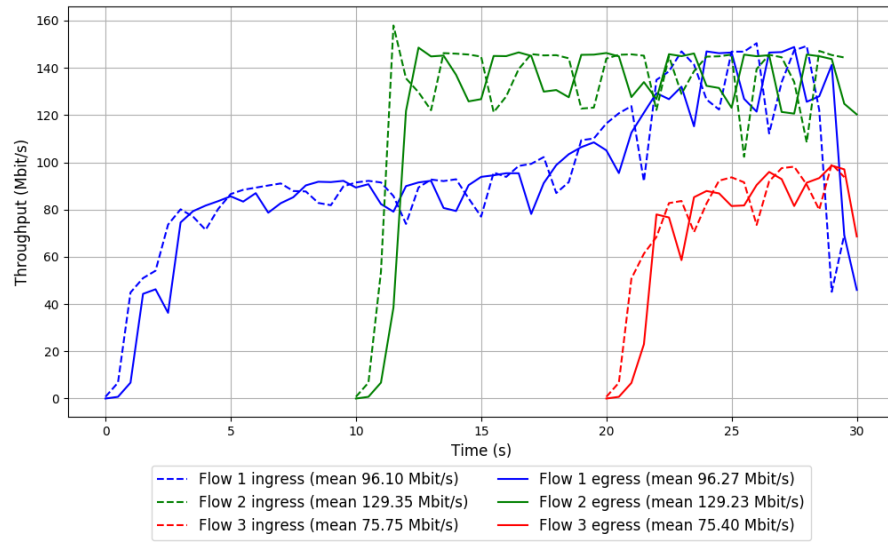


Run 7: Statistics of TCP Cubic

Start at: 2018-08-01 20:43:10
End at: 2018-08-01 20:43:40
Local clock offset: 0.095 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-08-01 22:40:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 206.74 Mbit/s
95th percentile per-packet one-way delay: 99.802 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 98.002 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 129.23 Mbit/s
95th percentile per-packet one-way delay: 101.656 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 75.40 Mbit/s
95th percentile per-packet one-way delay: 100.644 ms
Loss rate: 2.19%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-08-01 21:09:32

End at: 2018-08-01 21:10:02

Local clock offset: 0.292 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-08-01 22:40:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 162.34 Mbit/s

95th percentile per-packet one-way delay: 95.785 ms

Loss rate: 1.15%

-- Flow 1:

Average throughput: 89.69 Mbit/s

95th percentile per-packet one-way delay: 95.114 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 74.10 Mbit/s

95th percentile per-packet one-way delay: 95.794 ms

Loss rate: 1.11%

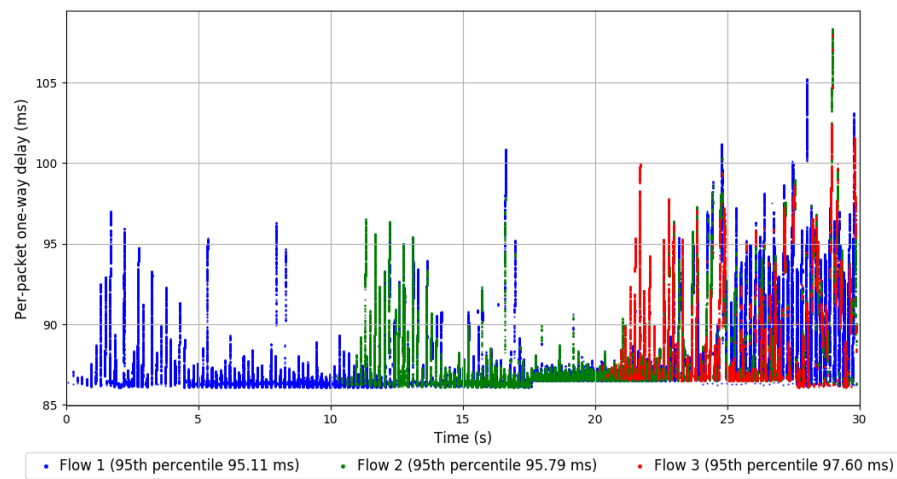
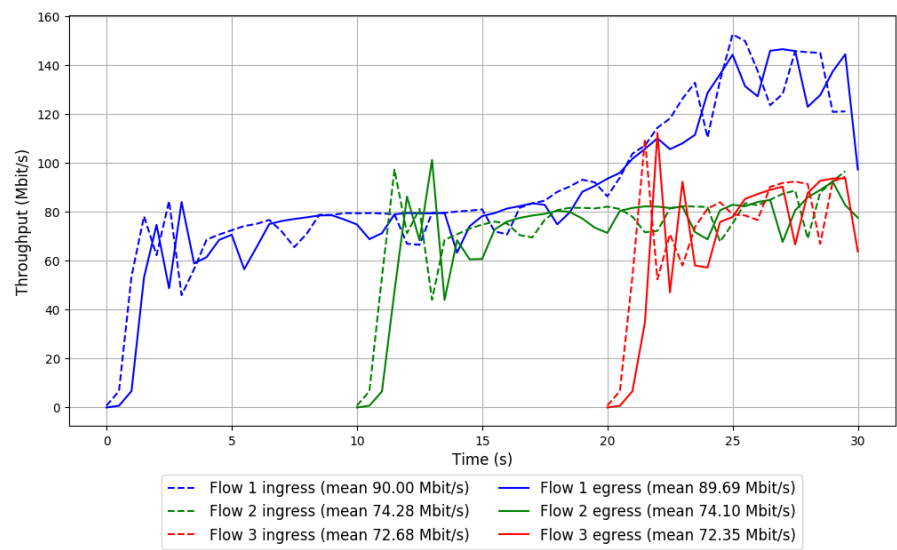
-- Flow 3:

Average throughput: 72.35 Mbit/s

95th percentile per-packet one-way delay: 97.601 ms

Loss rate: 2.18%

Run 8: Report of TCP Cubic — Data Link

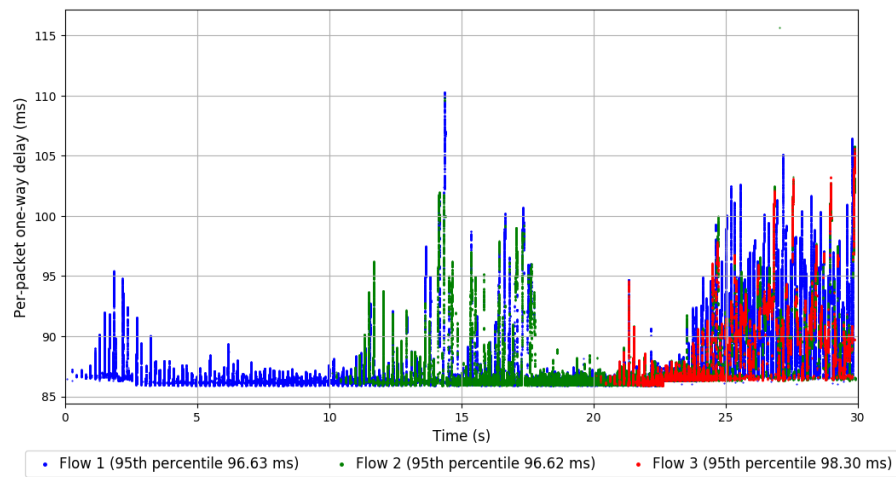
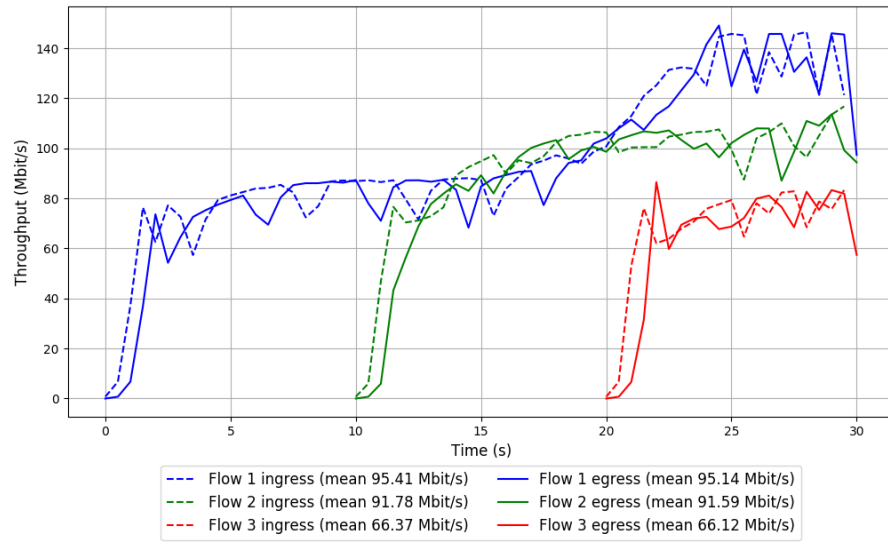


Run 9: Statistics of TCP Cubic

Start at: 2018-08-01 21:36:46
End at: 2018-08-01 21:37:16
Local clock offset: 0.082 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-08-01 22:40:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 177.49 Mbit/s
95th percentile per-packet one-way delay: 96.831 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 95.14 Mbit/s
95th percentile per-packet one-way delay: 96.629 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 91.59 Mbit/s
95th percentile per-packet one-way delay: 96.617 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 66.12 Mbit/s
95th percentile per-packet one-way delay: 98.304 ms
Loss rate: 2.10%

Run 9: Report of TCP Cubic — Data Link

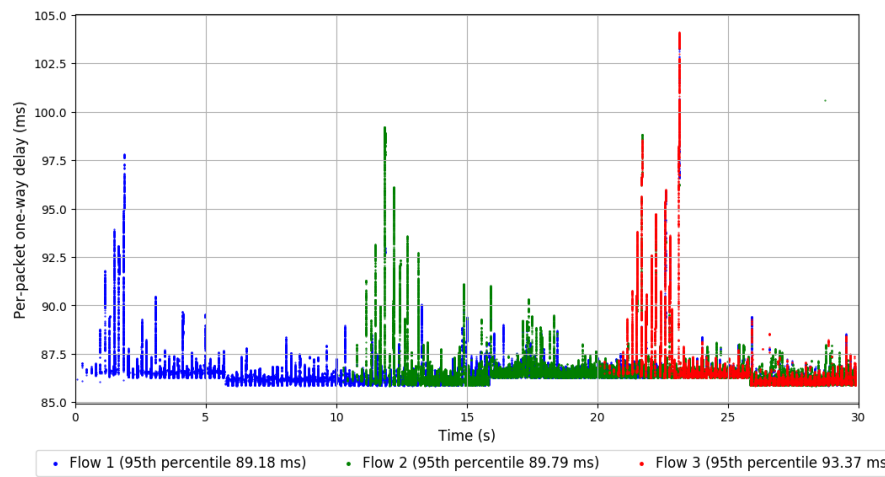
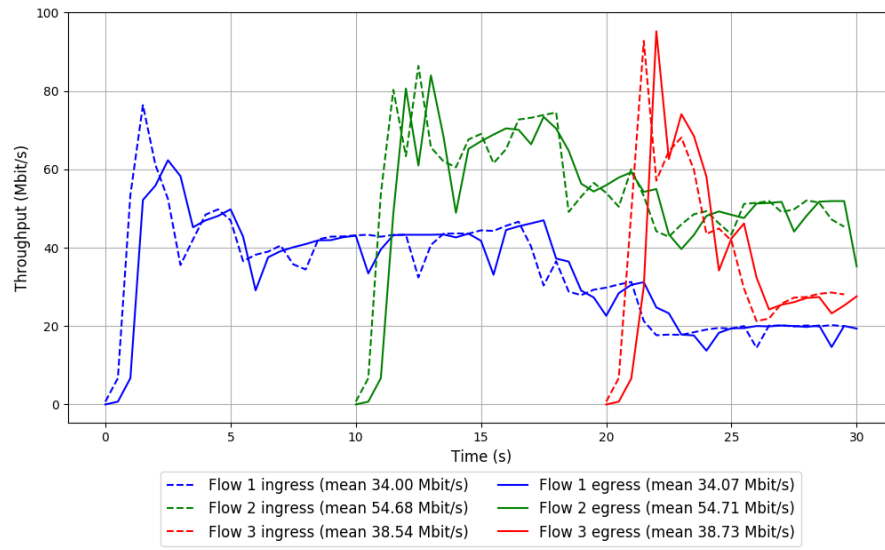


Run 10: Statistics of TCP Cubic

Start at: 2018-08-01 22:02:23
End at: 2018-08-01 22:02:53
Local clock offset: 0.063 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-08-01 22:40:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.12 Mbit/s
95th percentile per-packet one-way delay: 90.367 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 34.07 Mbit/s
95th percentile per-packet one-way delay: 89.181 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 54.71 Mbit/s
95th percentile per-packet one-way delay: 89.793 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 38.73 Mbit/s
95th percentile per-packet one-way delay: 93.368 ms
Loss rate: 1.26%

Run 10: Report of TCP Cubic — Data Link

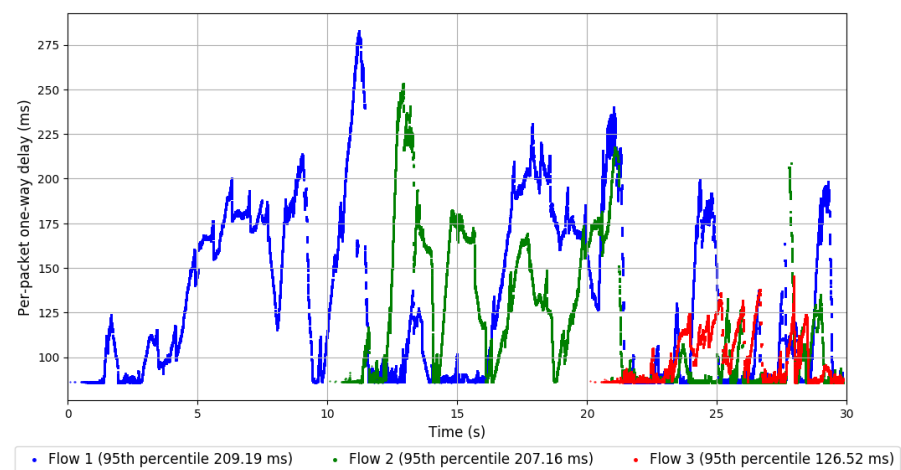
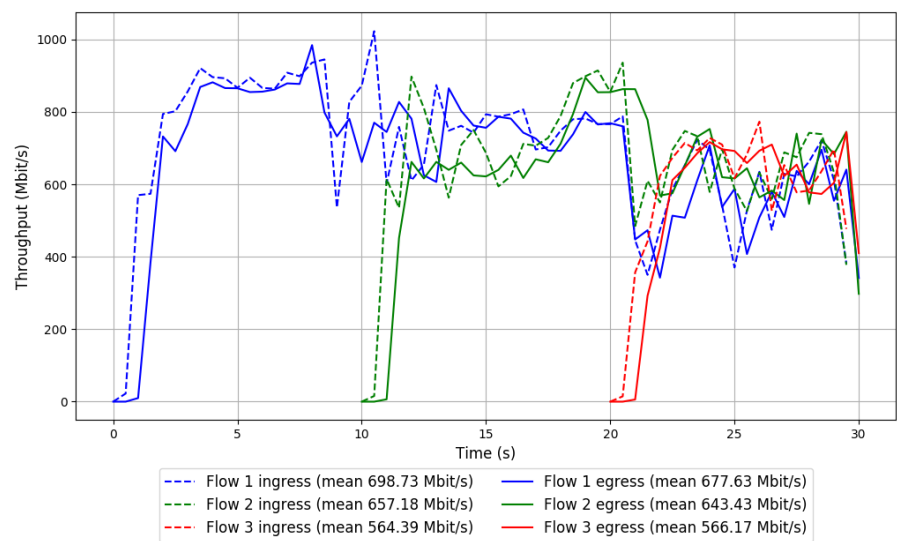


```
Run 1: Statistics of FillP

Start at: 2018-08-01 17:56:25
End at: 2018-08-01 17:56:55
Local clock offset: 0.095 ms
Remote clock offset: 0.039 ms

# Below is generated by plot.py at 2018-08-01 23:08:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1289.64 Mbit/s
95th percentile per-packet one-way delay: 205.084 ms
Loss rate: 3.02%
-- Flow 1:
Average throughput: 677.63 Mbit/s
95th percentile per-packet one-way delay: 209.186 ms
Loss rate: 3.55%
-- Flow 2:
Average throughput: 643.43 Mbit/s
95th percentile per-packet one-way delay: 207.161 ms
Loss rate: 2.85%
-- Flow 3:
Average throughput: 566.17 Mbit/s
95th percentile per-packet one-way delay: 126.516 ms
Loss rate: 1.43%
```

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-08-01 18:21:33

End at: 2018-08-01 18:22:03

Local clock offset: -0.028 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-08-01 23:08:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 1291.25 Mbit/s

95th percentile per-packet one-way delay: 247.629 ms

Loss rate: 2.34%

-- Flow 1:

Average throughput: 648.37 Mbit/s

95th percentile per-packet one-way delay: 271.654 ms

Loss rate: 3.27%

-- Flow 2:

Average throughput: 677.72 Mbit/s

95th percentile per-packet one-way delay: 204.263 ms

Loss rate: 1.05%

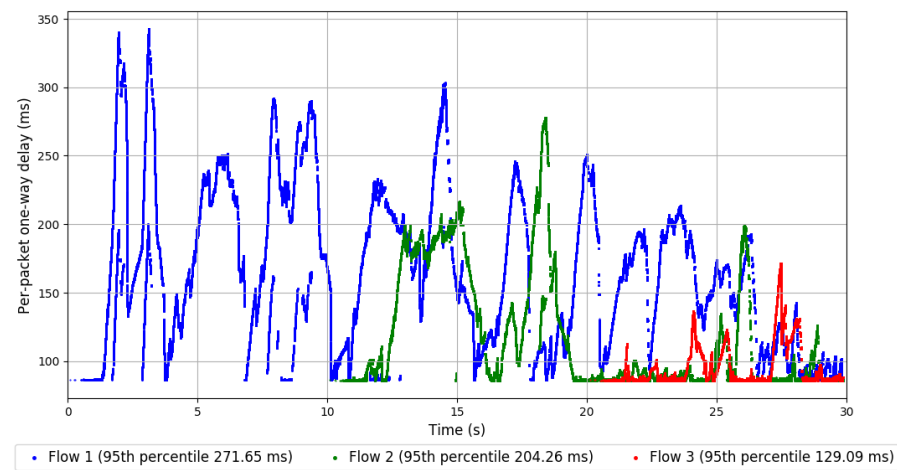
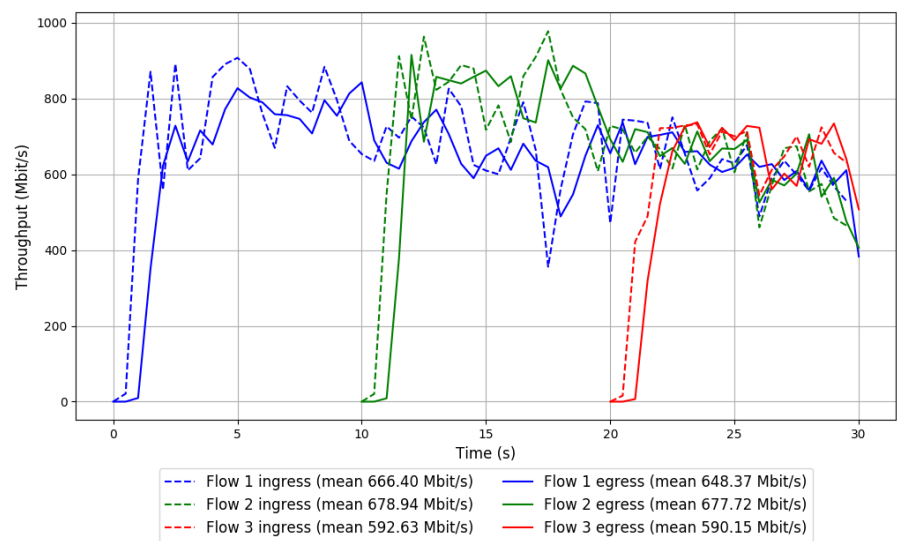
-- Flow 3:

Average throughput: 590.15 Mbit/s

95th percentile per-packet one-way delay: 129.095 ms

Loss rate: 2.16%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-08-01 18:46:40

End at: 2018-08-01 18:47:10

Local clock offset: 0.368 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-08-01 23:09:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 1313.05 Mbit/s

95th percentile per-packet one-way delay: 196.227 ms

Loss rate: 2.17%

-- Flow 1:

Average throughput: 698.78 Mbit/s

95th percentile per-packet one-way delay: 185.986 ms

Loss rate: 2.52%

-- Flow 2:

Average throughput: 664.21 Mbit/s

95th percentile per-packet one-way delay: 216.439 ms

Loss rate: 1.91%

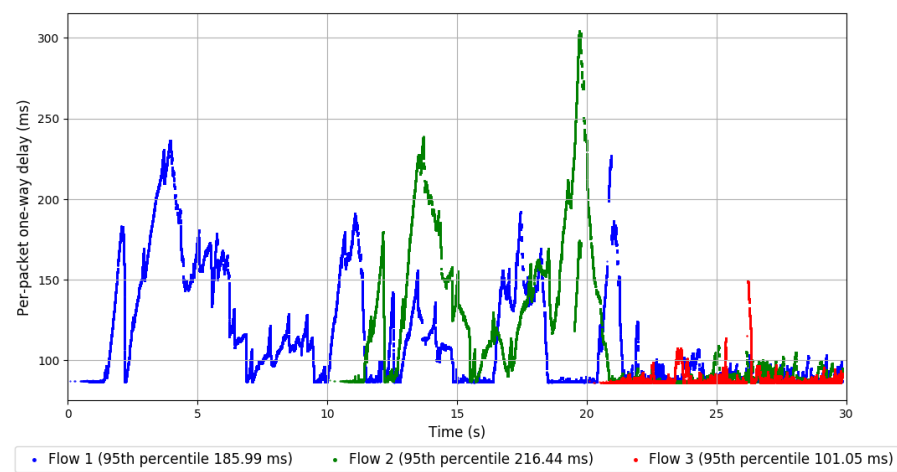
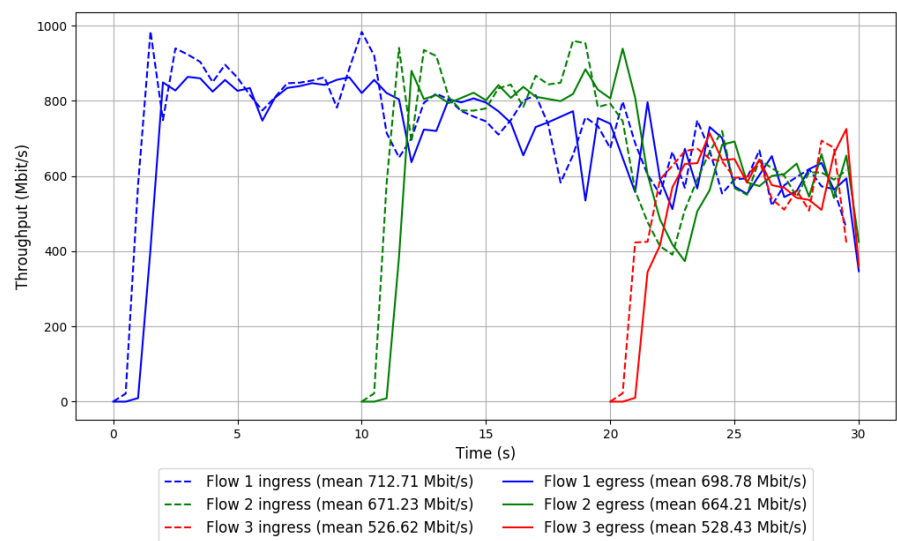
-- Flow 3:

Average throughput: 528.43 Mbit/s

95th percentile per-packet one-way delay: 101.051 ms

Loss rate: 1.40%

Run 3: Report of FillP — Data Link

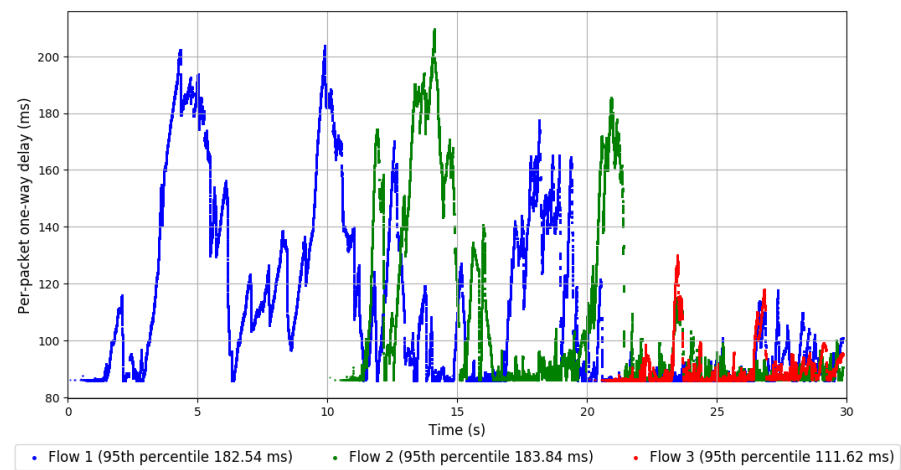
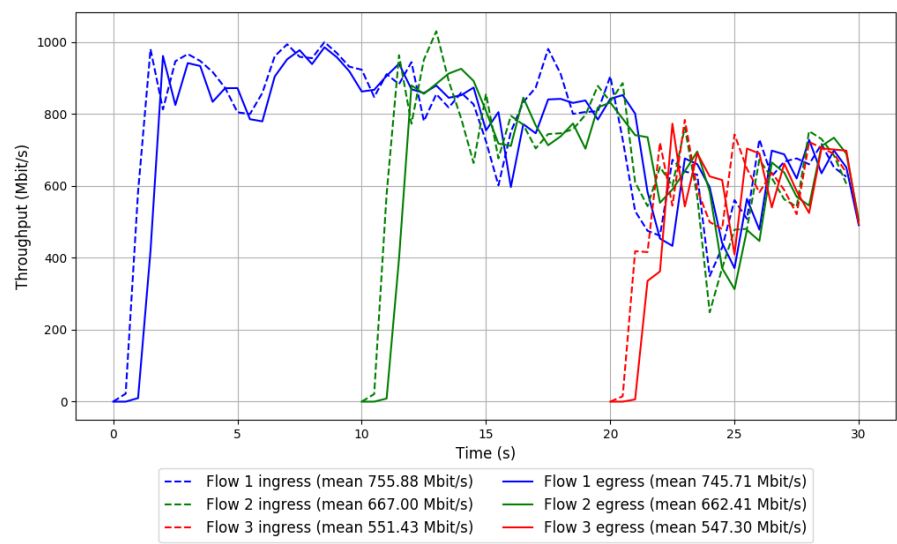


Run 4: Statistics of FillP

Start at: 2018-08-01 19:11:47
End at: 2018-08-01 19:12:17
Local clock offset: 0.046 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-08-01 23:10:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 1364.61 Mbit/s
95th percentile per-packet one-way delay: 181.120 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 745.71 Mbit/s
95th percentile per-packet one-way delay: 182.541 ms
Loss rate: 1.92%
-- Flow 2:
Average throughput: 662.41 Mbit/s
95th percentile per-packet one-way delay: 183.842 ms
Loss rate: 1.57%
-- Flow 3:
Average throughput: 547.30 Mbit/s
95th percentile per-packet one-way delay: 111.625 ms
Loss rate: 2.49%

Run 4: Report of FillP — Data Link

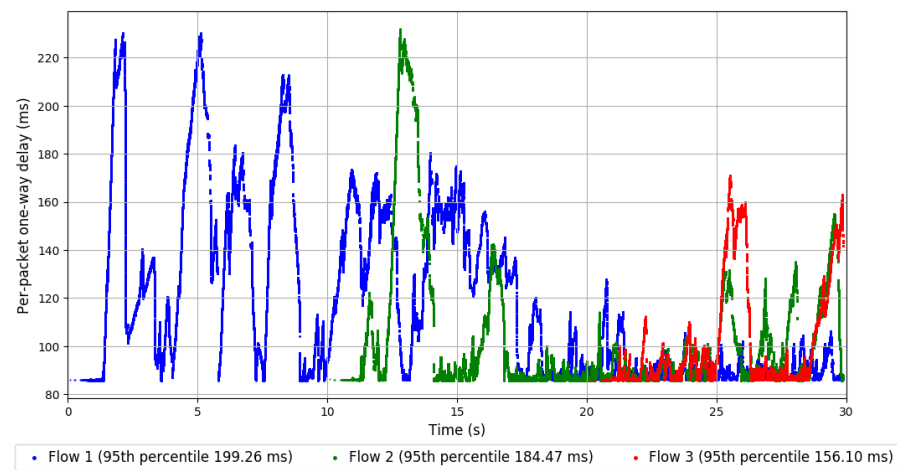
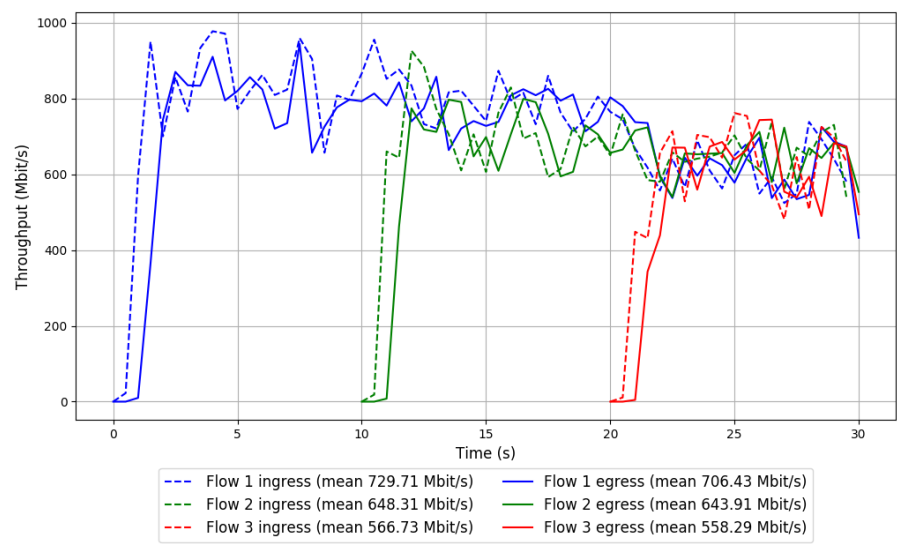


Run 5: Statistics of FillP

Start at: 2018-08-01 19:37:01
End at: 2018-08-01 19:37:31
Local clock offset: -0.013 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-08-01 23:10:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 1316.39 Mbit/s
95th percentile per-packet one-way delay: 187.872 ms
Loss rate: 2.97%
-- Flow 1:
Average throughput: 706.43 Mbit/s
95th percentile per-packet one-way delay: 199.263 ms
Loss rate: 3.75%
-- Flow 2:
Average throughput: 643.91 Mbit/s
95th percentile per-packet one-way delay: 184.471 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 558.29 Mbit/s
95th percentile per-packet one-way delay: 156.102 ms
Loss rate: 3.21%

Run 5: Report of FillP — Data Link

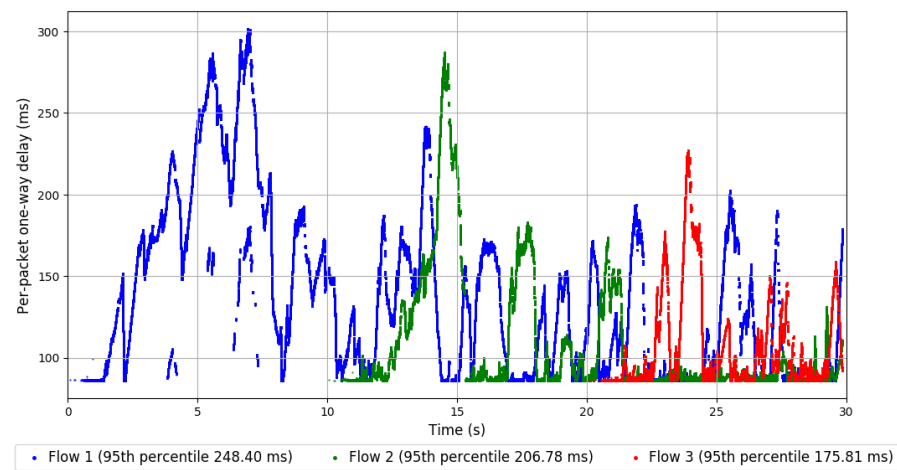
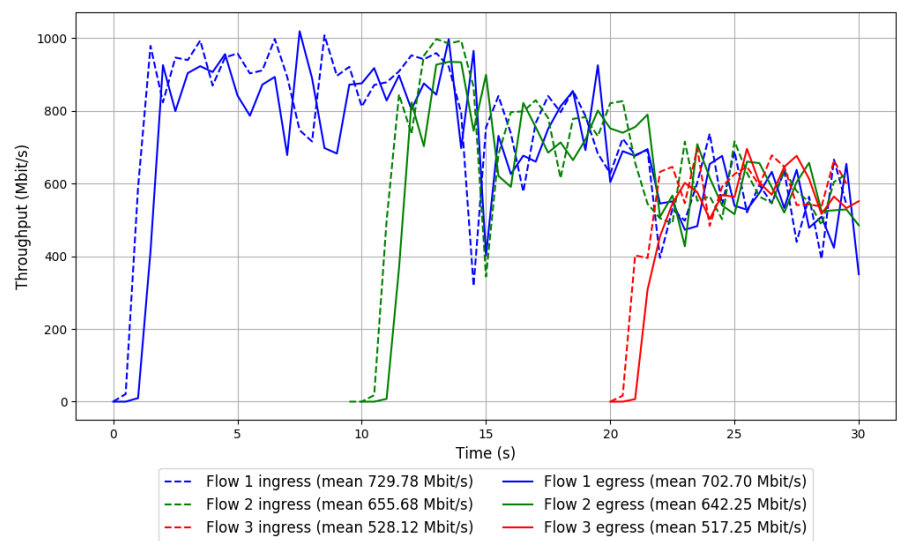


Run 6: Statistics of FillP

Start at: 2018-08-01 20:02:11
End at: 2018-08-01 20:02:41
Local clock offset: 0.213 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-08-01 23:10:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 1298.84 Mbit/s
95th percentile per-packet one-way delay: 230.775 ms
Loss rate: 3.75%
-- Flow 1:
Average throughput: 702.70 Mbit/s
95th percentile per-packet one-way delay: 248.401 ms
Loss rate: 4.27%
-- Flow 2:
Average throughput: 642.25 Mbit/s
95th percentile per-packet one-way delay: 206.784 ms
Loss rate: 2.90%
-- Flow 3:
Average throughput: 517.25 Mbit/s
95th percentile per-packet one-way delay: 175.805 ms
Loss rate: 3.73%

Run 6: Report of FillP — Data Link

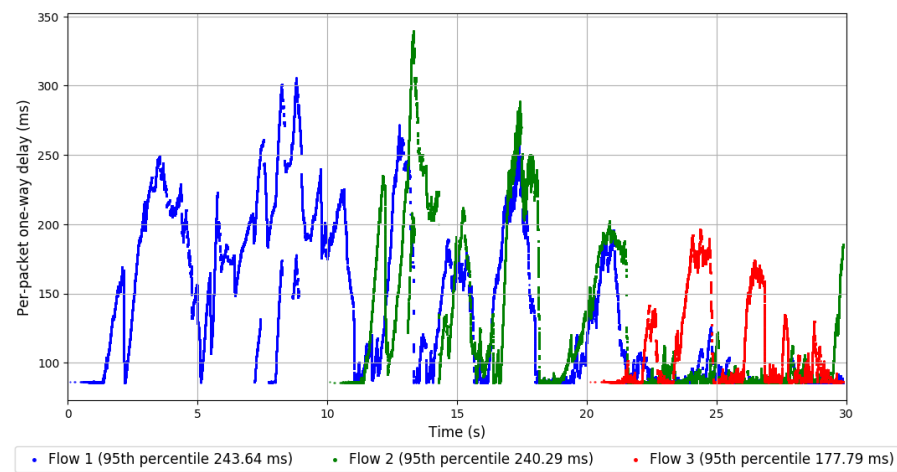
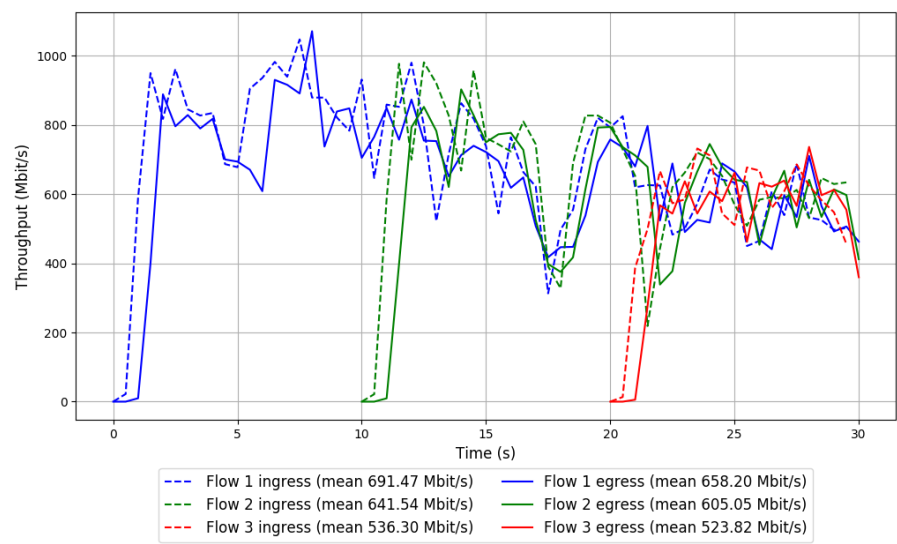


Run 7: Statistics of FillP

Start at: 2018-08-01 20:27:31
End at: 2018-08-01 20:28:01
Local clock offset: 0.151 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-08-01 23:10:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 1231.24 Mbit/s
95th percentile per-packet one-way delay: 240.773 ms
Loss rate: 5.55%
-- Flow 1:
Average throughput: 658.20 Mbit/s
95th percentile per-packet one-way delay: 243.642 ms
Loss rate: 5.36%
-- Flow 2:
Average throughput: 605.05 Mbit/s
95th percentile per-packet one-way delay: 240.291 ms
Loss rate: 6.49%
-- Flow 3:
Average throughput: 523.82 Mbit/s
95th percentile per-packet one-way delay: 177.794 ms
Loss rate: 4.04%

Run 7: Report of FillP — Data Link

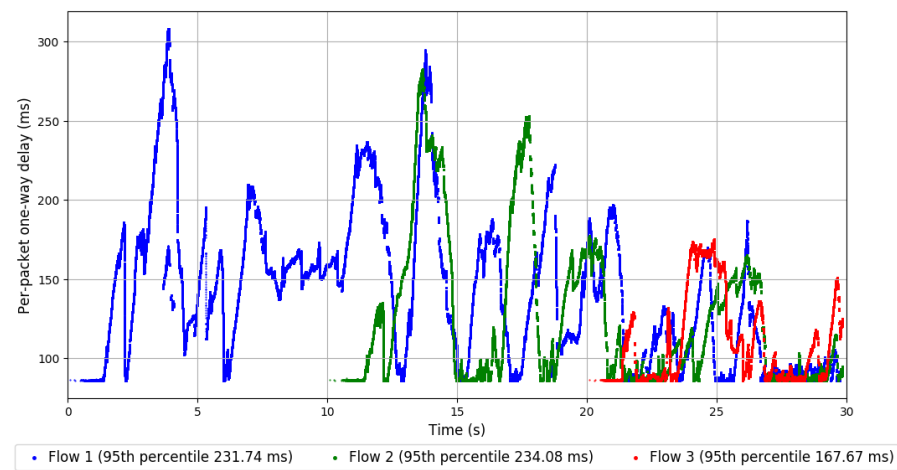
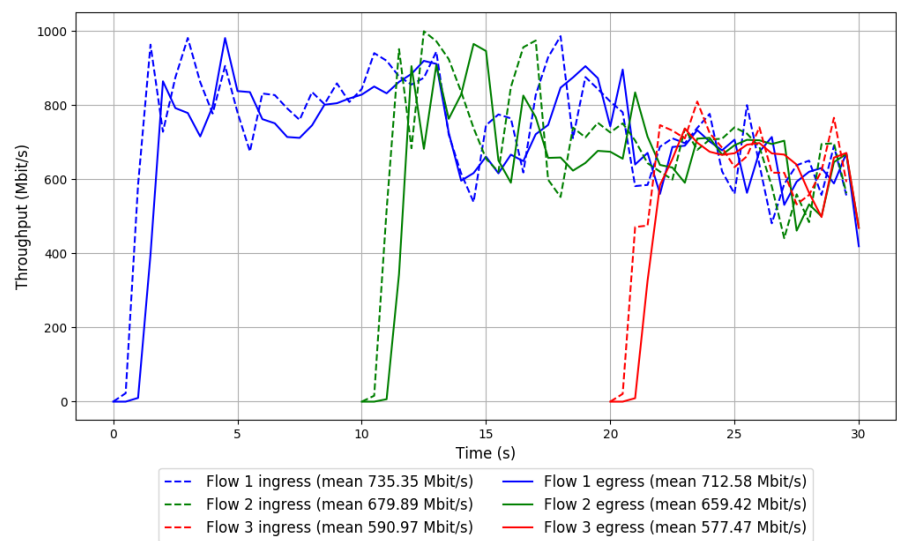


Run 8: Statistics of FillP

Start at: 2018-08-01 20:53:13
End at: 2018-08-01 20:53:43
Local clock offset: 0.241 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-08-01 23:12:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 1339.18 Mbit/s
95th percentile per-packet one-way delay: 230.945 ms
Loss rate: 3.77%
-- Flow 1:
Average throughput: 712.58 Mbit/s
95th percentile per-packet one-way delay: 231.741 ms
Loss rate: 3.66%
-- Flow 2:
Average throughput: 659.42 Mbit/s
95th percentile per-packet one-way delay: 234.077 ms
Loss rate: 3.85%
-- Flow 3:
Average throughput: 577.47 Mbit/s
95th percentile per-packet one-way delay: 167.669 ms
Loss rate: 4.00%

Run 8: Report of FillP — Data Link

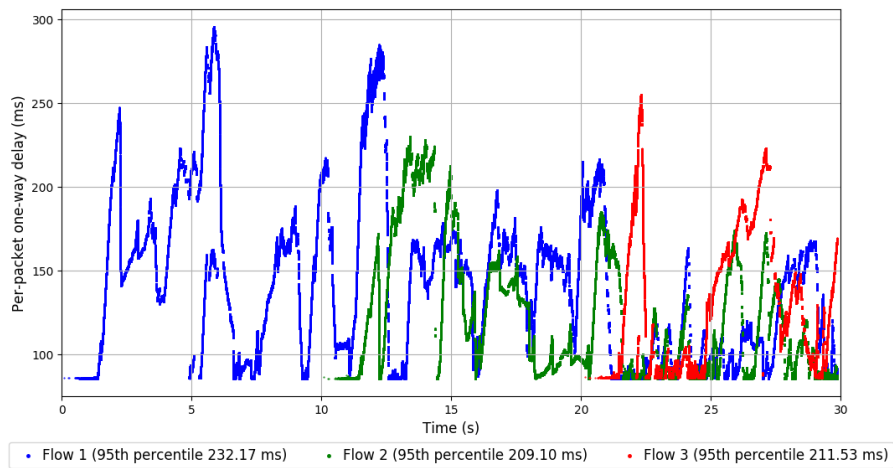
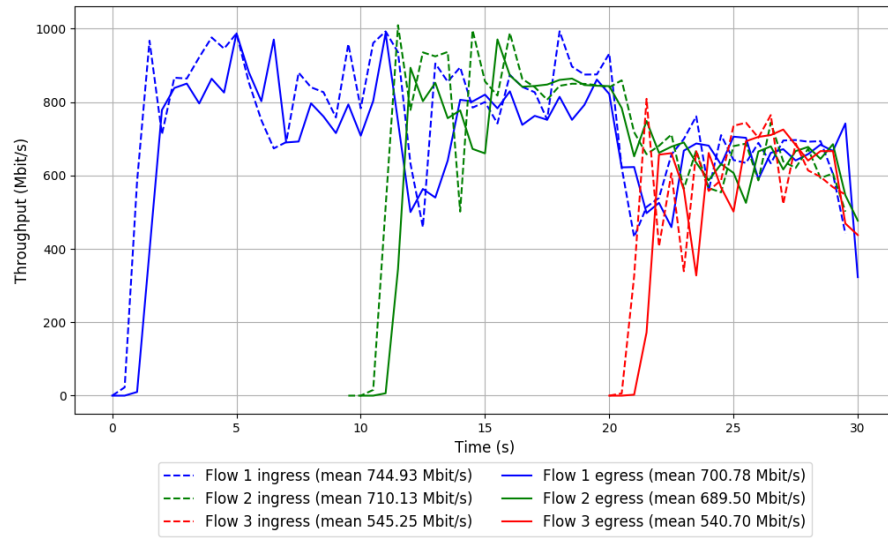


Run 9: Statistics of FillP

Start at: 2018-08-01 21:20:10
End at: 2018-08-01 21:20:40
Local clock offset: -0.039 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-08-01 23:39:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 1335.00 Mbit/s
95th percentile per-packet one-way delay: 215.294 ms
Loss rate: 5.06%
-- Flow 1:
Average throughput: 700.78 Mbit/s
95th percentile per-packet one-way delay: 232.171 ms
Loss rate: 6.50%
-- Flow 2:
Average throughput: 689.50 Mbit/s
95th percentile per-packet one-way delay: 209.102 ms
Loss rate: 3.75%
-- Flow 3:
Average throughput: 540.70 Mbit/s
95th percentile per-packet one-way delay: 211.528 ms
Loss rate: 2.57%

Run 9: Report of FillP — Data Link

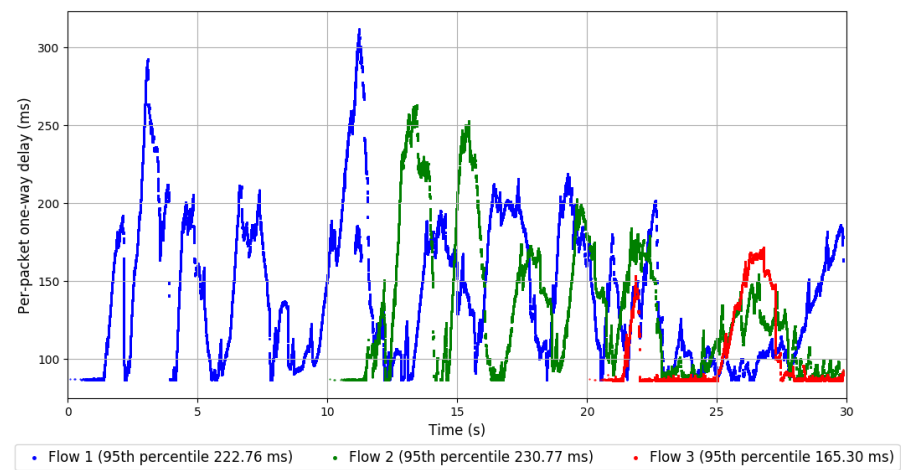
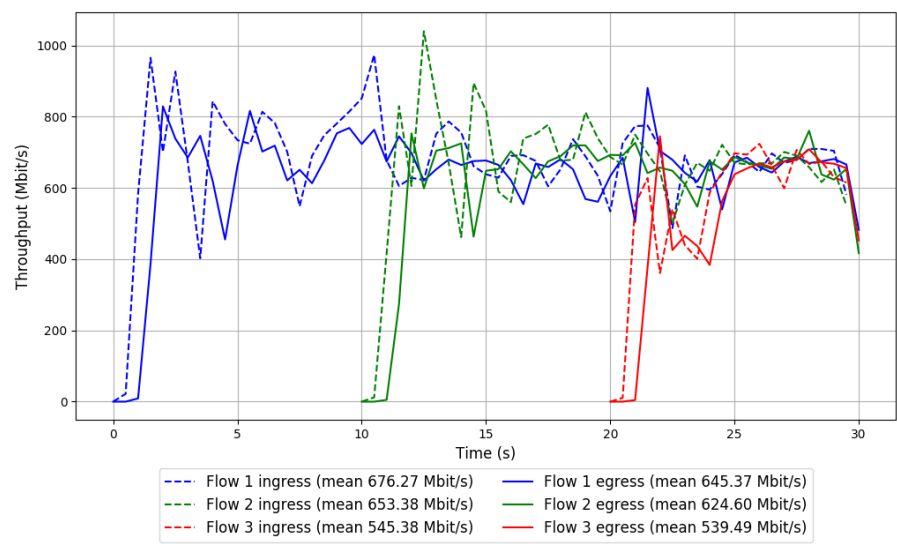


Run 10: Statistics of FillP

Start at: 2018-08-01 21:46:58
End at: 2018-08-01 21:47:28
Local clock offset: 0.055 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-08-01 23:39:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 1236.95 Mbit/s
95th percentile per-packet one-way delay: 224.262 ms
Loss rate: 4.84%
-- Flow 1:
Average throughput: 645.37 Mbit/s
95th percentile per-packet one-way delay: 222.759 ms
Loss rate: 5.12%
-- Flow 2:
Average throughput: 624.60 Mbit/s
95th percentile per-packet one-way delay: 230.768 ms
Loss rate: 5.24%
-- Flow 3:
Average throughput: 539.49 Mbit/s
95th percentile per-packet one-way delay: 165.301 ms
Loss rate: 2.81%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-01 18:01:10

End at: 2018-08-01 18:01:40

Local clock offset: -0.163 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-08-01 23:39:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 1178.55 Mbit/s

95th percentile per-packet one-way delay: 163.702 ms

Loss rate: 1.30%

-- Flow 1:

Average throughput: 651.79 Mbit/s

95th percentile per-packet one-way delay: 162.543 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 572.98 Mbit/s

95th percentile per-packet one-way delay: 168.801 ms

Loss rate: 2.28%

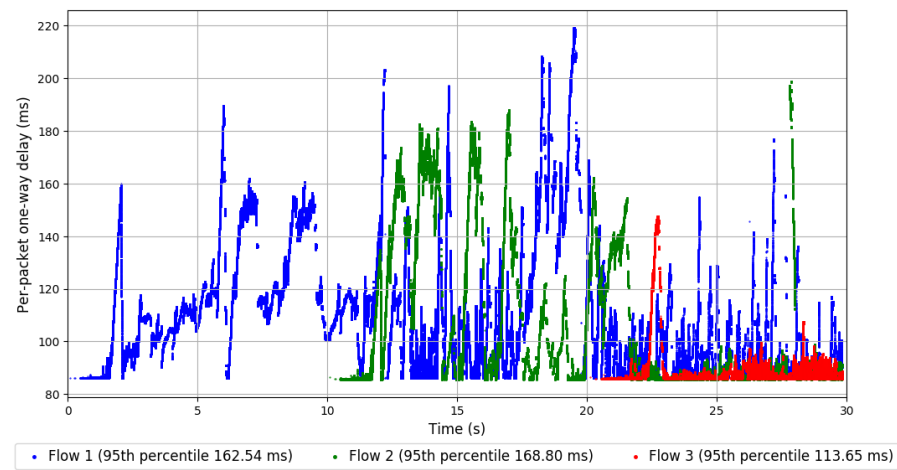
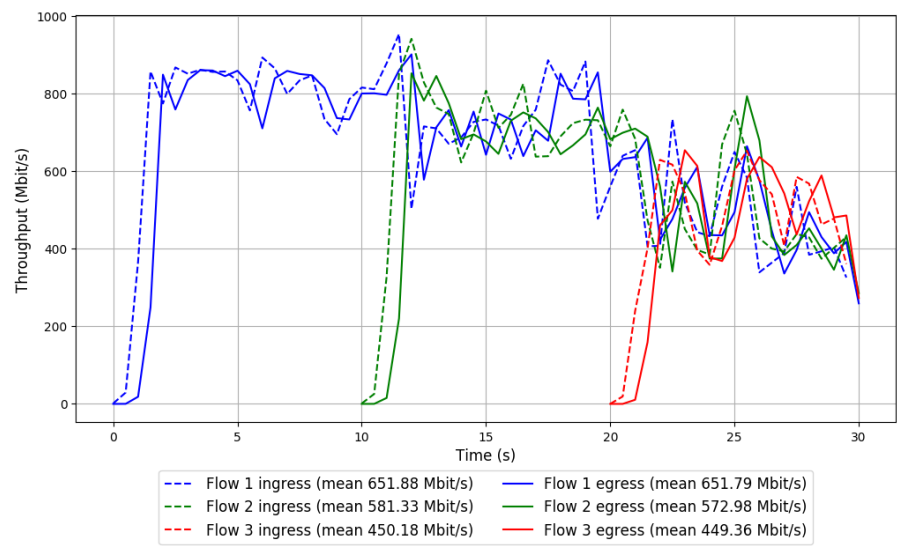
-- Flow 3:

Average throughput: 449.36 Mbit/s

95th percentile per-packet one-way delay: 113.648 ms

Loss rate: 1.89%

Run 1: Report of FillP-Sheep — Data Link

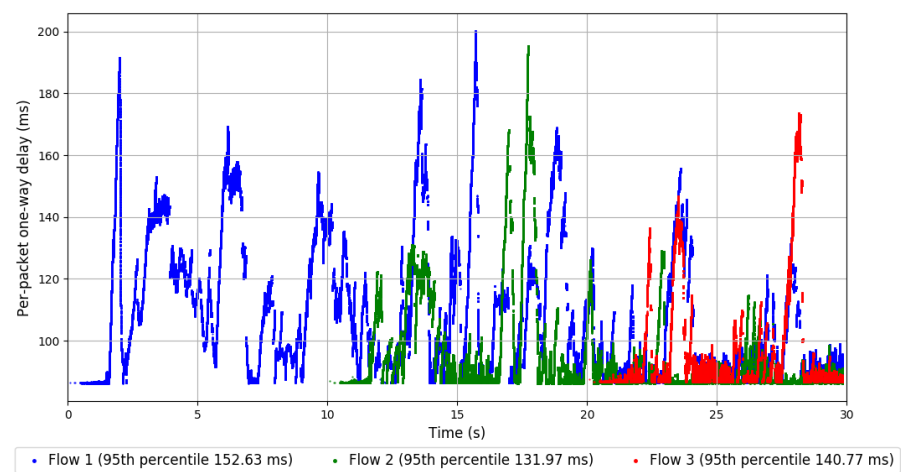
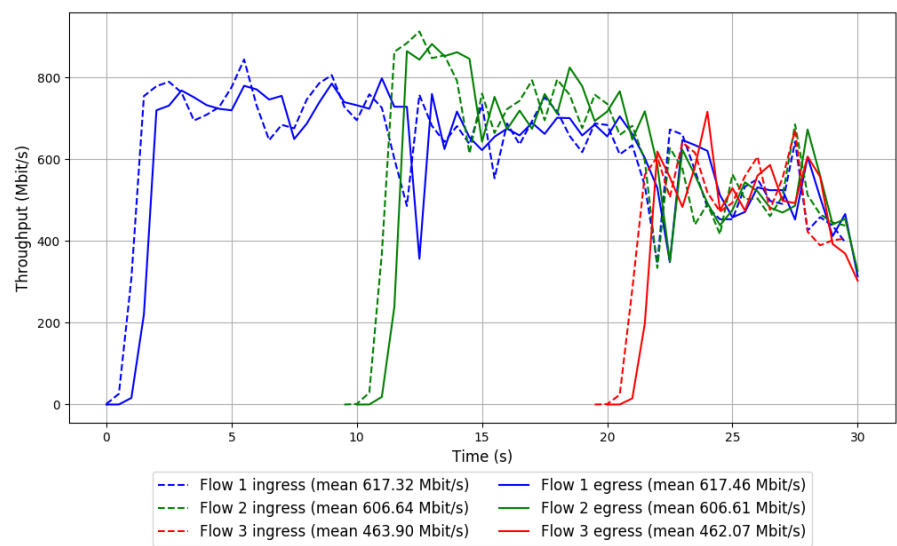


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-01 18:26:26
End at: 2018-08-01 18:26:56
Local clock offset: 0.275 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-08-01 23:39:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 1171.65 Mbit/s
95th percentile per-packet one-way delay: 150.068 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 617.46 Mbit/s
95th percentile per-packet one-way delay: 152.635 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 606.61 Mbit/s
95th percentile per-packet one-way delay: 131.969 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 462.07 Mbit/s
95th percentile per-packet one-way delay: 140.767 ms
Loss rate: 2.14%

Run 2: Report of FillP-Sheep — Data Link

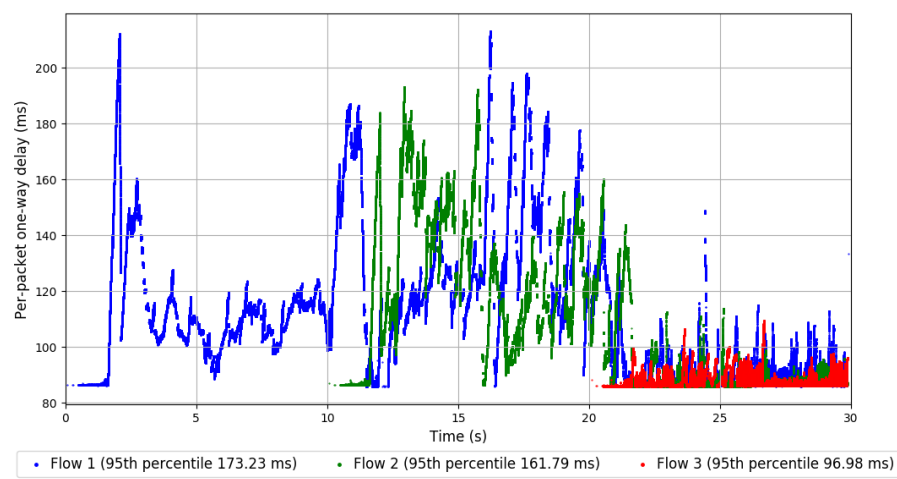
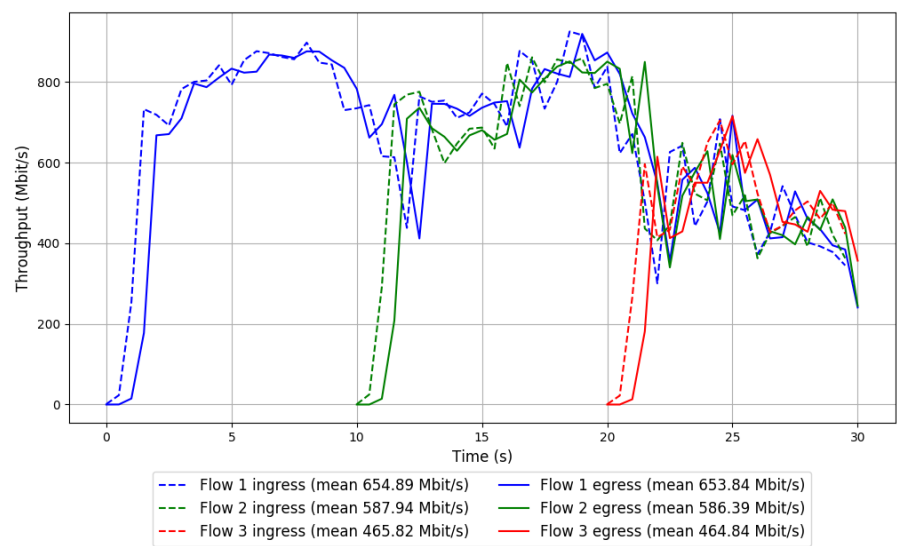


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-01 18:51:33
End at: 2018-08-01 18:52:03
Local clock offset: 0.135 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-08-01 23:39:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 1195.21 Mbit/s
95th percentile per-packet one-way delay: 166.165 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 653.84 Mbit/s
95th percentile per-packet one-way delay: 173.233 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 586.39 Mbit/s
95th percentile per-packet one-way delay: 161.786 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 464.84 Mbit/s
95th percentile per-packet one-way delay: 96.984 ms
Loss rate: 1.68%

Run 3: Report of FillP-Sheep — Data Link

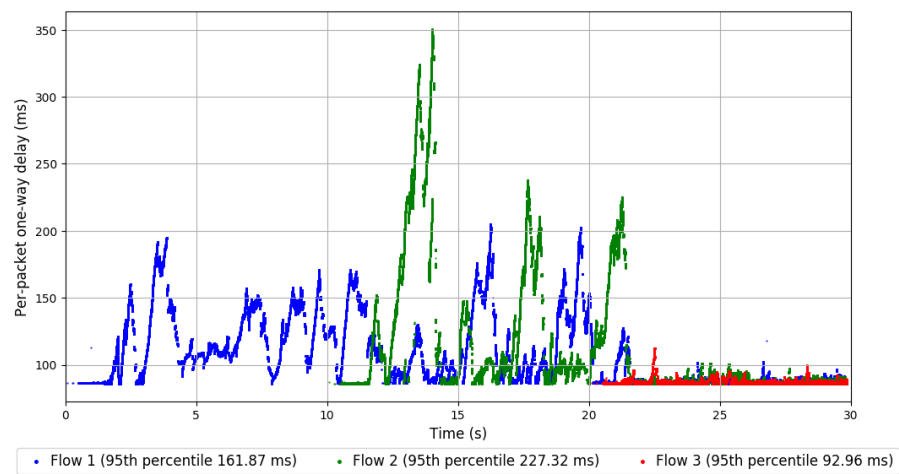
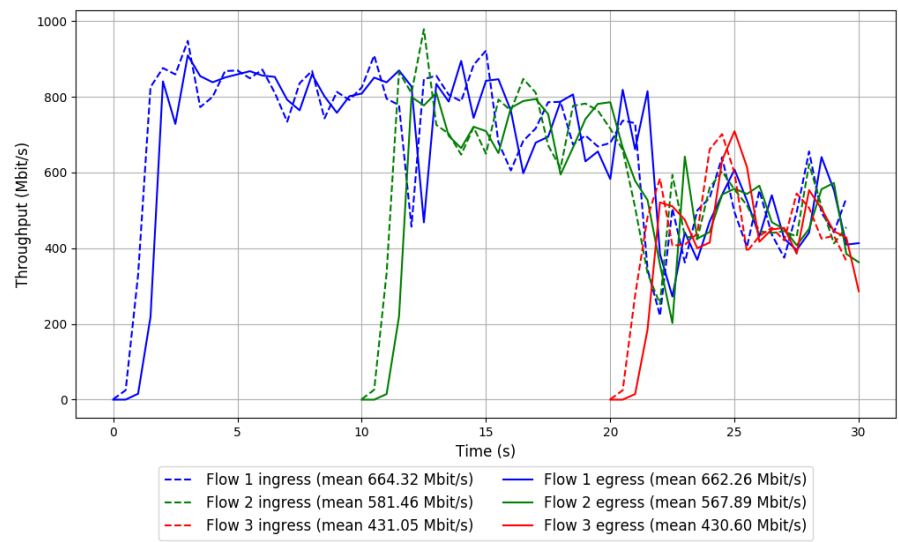


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-01 19:16:38
End at: 2018-08-01 19:17:08
Local clock offset: 0.127 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-08-01 23:39:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 1180.17 Mbit/s
95th percentile per-packet one-way delay: 177.141 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 662.26 Mbit/s
95th percentile per-packet one-way delay: 161.869 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 567.89 Mbit/s
95th percentile per-packet one-way delay: 227.316 ms
Loss rate: 3.24%
-- Flow 3:
Average throughput: 430.60 Mbit/s
95th percentile per-packet one-way delay: 92.958 ms
Loss rate: 1.84%

Run 4: Report of FillP-Sheep — Data Link

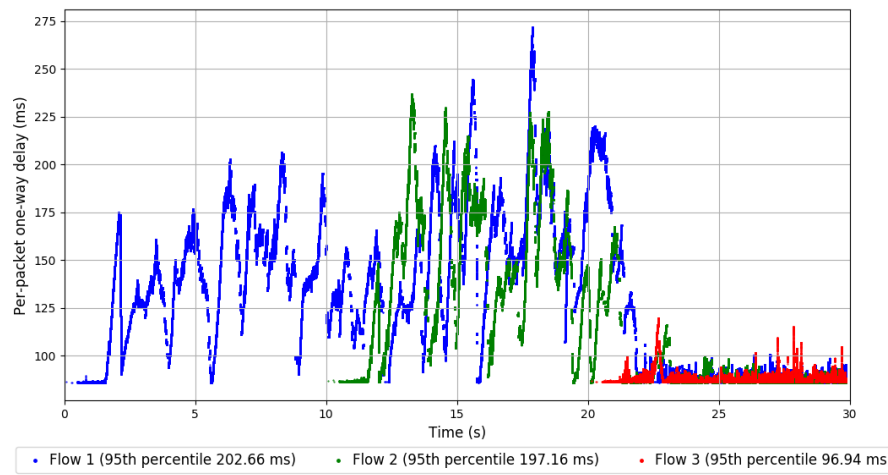
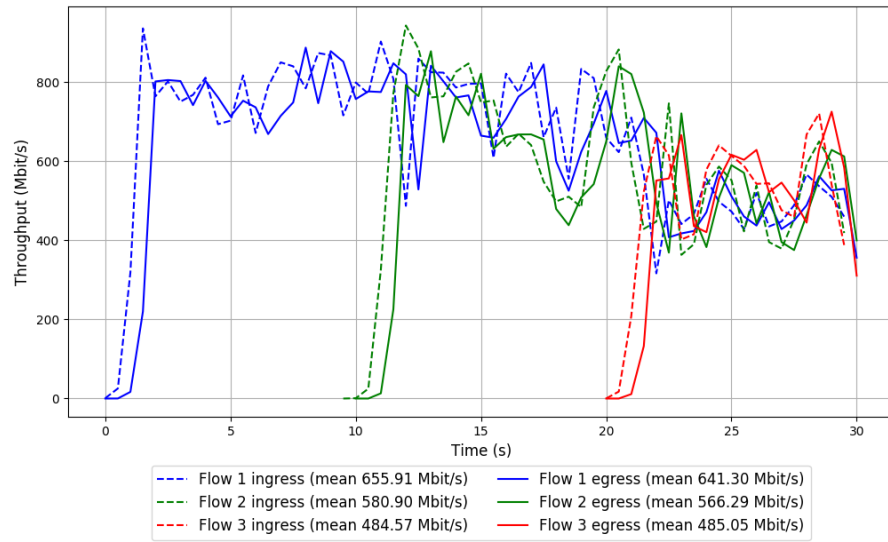


Run 5: Statistics of FillP-Sheep

Start at: 2018-08-01 19:41:51
End at: 2018-08-01 19:42:21
Local clock offset: 0.086 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-08-01 23:39:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 1175.91 Mbit/s
95th percentile per-packet one-way delay: 197.376 ms
Loss rate: 2.82%
-- Flow 1:
Average throughput: 641.30 Mbit/s
95th percentile per-packet one-way delay: 202.663 ms
Loss rate: 2.78%
-- Flow 2:
Average throughput: 566.29 Mbit/s
95th percentile per-packet one-way delay: 197.156 ms
Loss rate: 3.37%
-- Flow 3:
Average throughput: 485.05 Mbit/s
95th percentile per-packet one-way delay: 96.941 ms
Loss rate: 1.70%

Run 5: Report of FillP-Sheep — Data Link

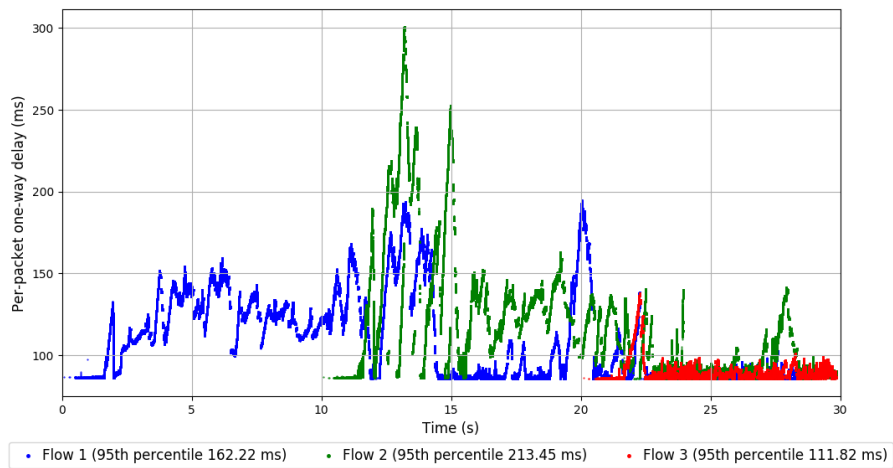
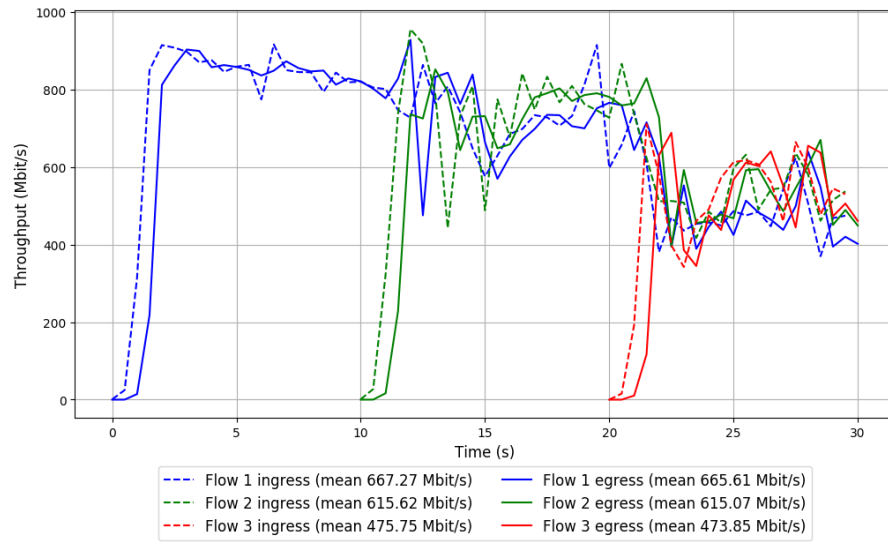


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-01 20:07:04
End at: 2018-08-01 20:07:34
Local clock offset: 0.12 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-08-01 23:41:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 1228.84 Mbit/s
95th percentile per-packet one-way delay: 176.849 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 665.61 Mbit/s
95th percentile per-packet one-way delay: 162.224 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 615.07 Mbit/s
95th percentile per-packet one-way delay: 213.453 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 473.85 Mbit/s
95th percentile per-packet one-way delay: 111.820 ms
Loss rate: 2.12%

Run 6: Report of FillP-Sheep — Data Link

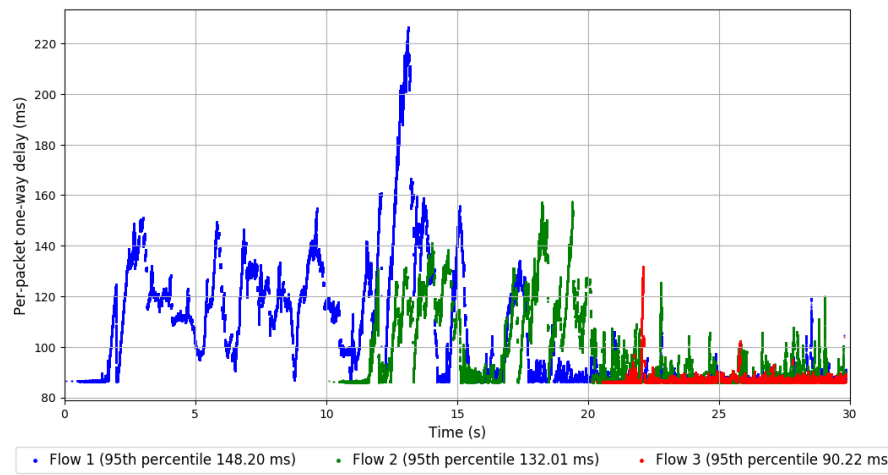
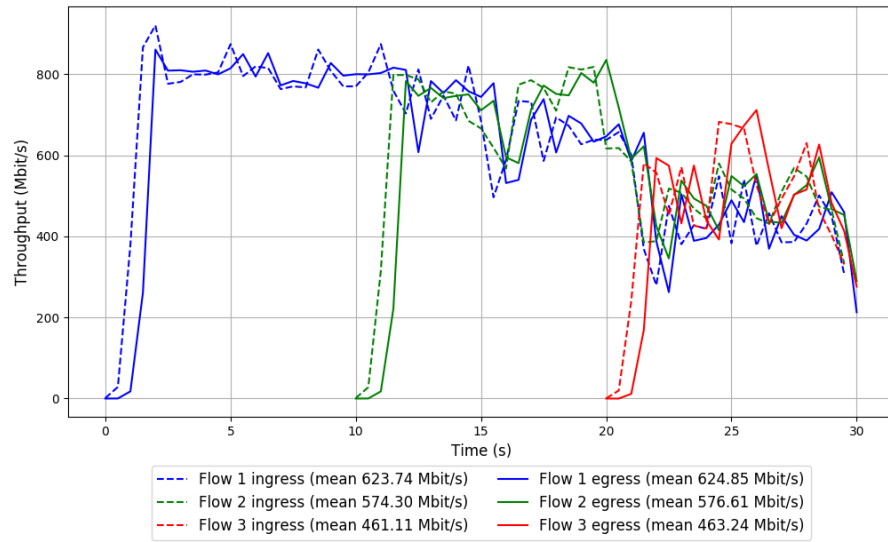


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-01 20:32:23
End at: 2018-08-01 20:32:53
Local clock offset: 0.176 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-08-02 00:05:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 1158.37 Mbit/s
95th percentile per-packet one-way delay: 141.132 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 624.85 Mbit/s
95th percentile per-packet one-way delay: 148.199 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 576.61 Mbit/s
95th percentile per-packet one-way delay: 132.014 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 463.24 Mbit/s
95th percentile per-packet one-way delay: 90.223 ms
Loss rate: 1.30%

Run 7: Report of FillP-Sheep — Data Link

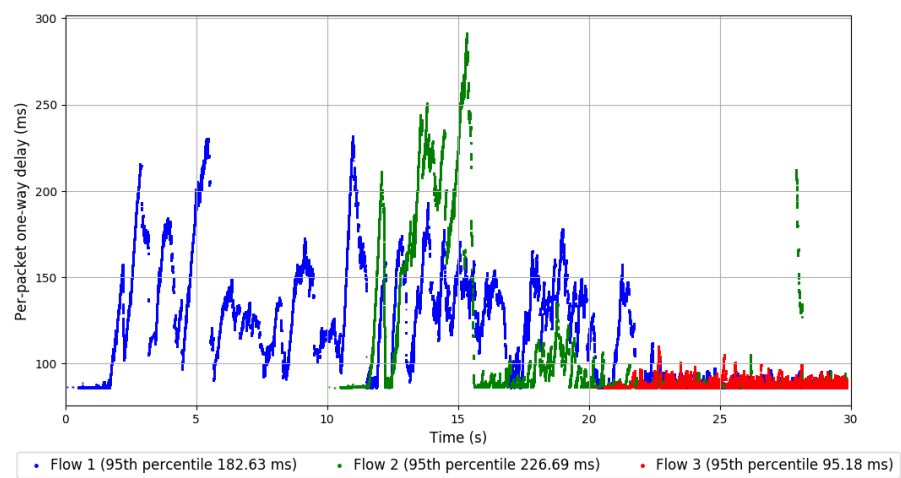
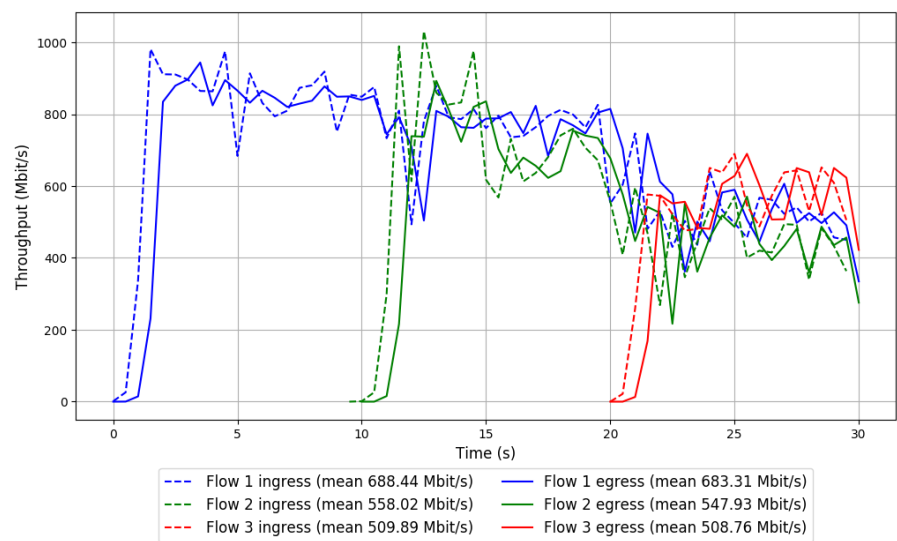


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-01 20:58:52
End at: 2018-08-01 20:59:22
Local clock offset: 0.115 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-08-02 00:06:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 1212.93 Mbit/s
95th percentile per-packet one-way delay: 199.205 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 683.31 Mbit/s
95th percentile per-packet one-way delay: 182.635 ms
Loss rate: 1.32%
-- Flow 2:
Average throughput: 547.93 Mbit/s
95th percentile per-packet one-way delay: 226.686 ms
Loss rate: 2.70%
-- Flow 3:
Average throughput: 508.76 Mbit/s
95th percentile per-packet one-way delay: 95.178 ms
Loss rate: 1.97%

Run 8: Report of FillP-Sheep — Data Link

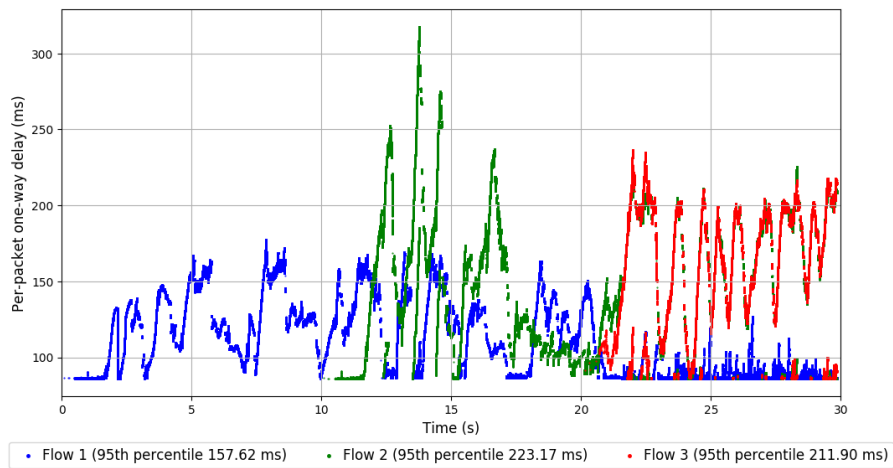
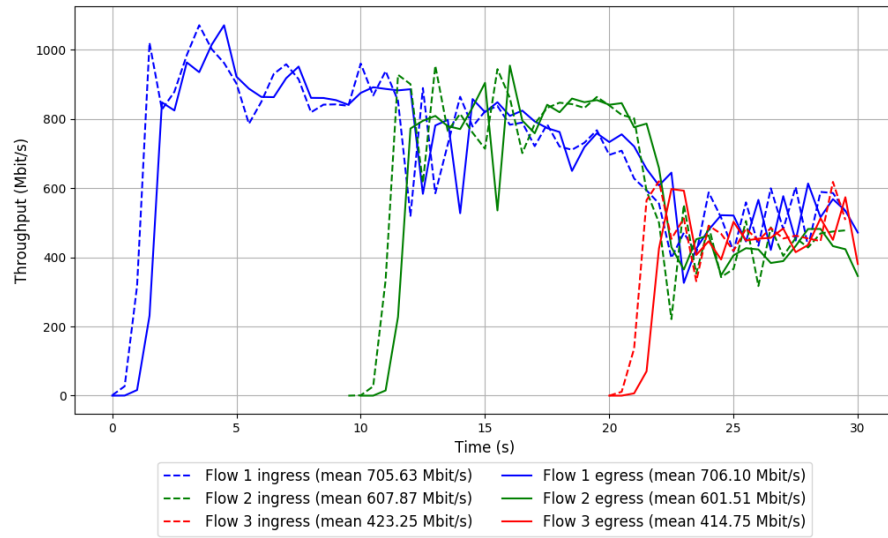


Run 9: Statistics of FillP-Sheep

Start at: 2018-08-01 21:25:21
End at: 2018-08-01 21:25:51
Local clock offset: 0.141 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-08-02 00:07:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 1240.82 Mbit/s
95th percentile per-packet one-way delay: 201.937 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 706.10 Mbit/s
95th percentile per-packet one-way delay: 157.619 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 601.51 Mbit/s
95th percentile per-packet one-way delay: 223.169 ms
Loss rate: 1.85%
-- Flow 3:
Average throughput: 414.75 Mbit/s
95th percentile per-packet one-way delay: 211.895 ms
Loss rate: 3.77%

Run 9: Report of FillP-Sheep — Data Link

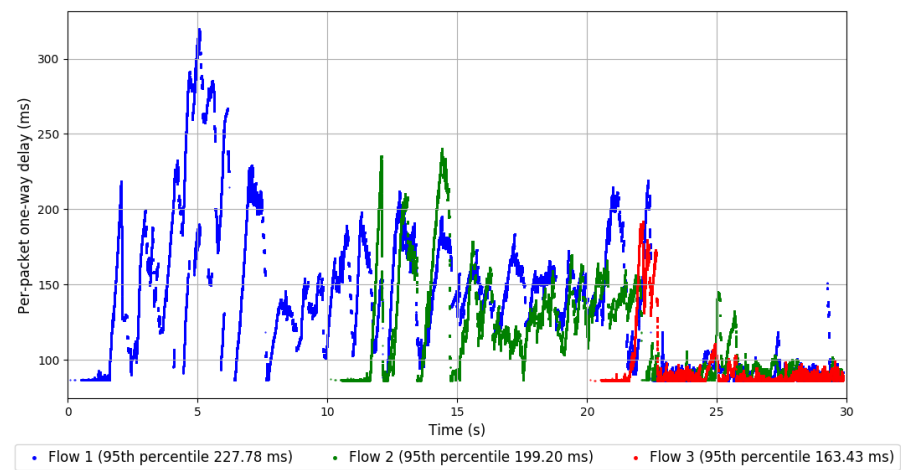
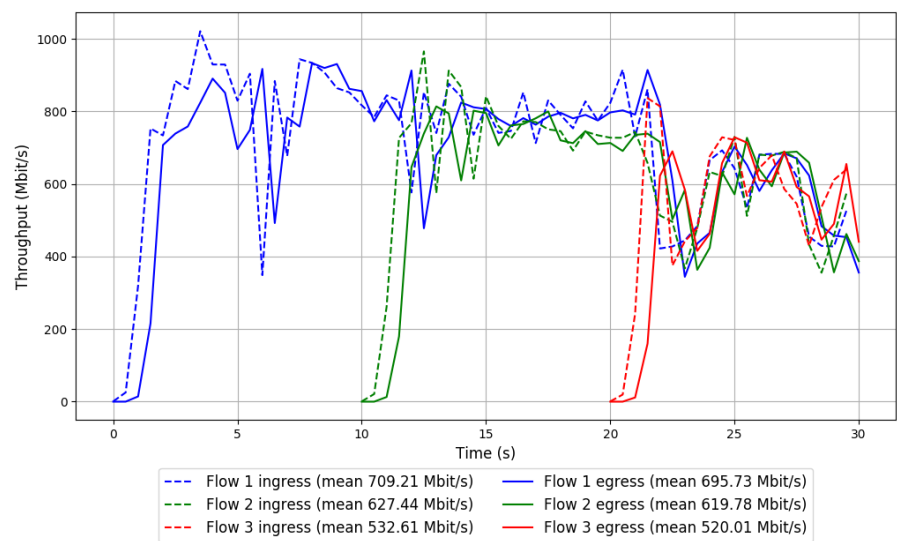


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-01 21:51:52
End at: 2018-08-01 21:52:22
Local clock offset: 0.198 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-08-02 00:09:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 1276.85 Mbit/s
95th percentile per-packet one-way delay: 208.824 ms
Loss rate: 2.55%
-- Flow 1:
Average throughput: 695.73 Mbit/s
95th percentile per-packet one-way delay: 227.781 ms
Loss rate: 2.45%
-- Flow 2:
Average throughput: 619.78 Mbit/s
95th percentile per-packet one-way delay: 199.199 ms
Loss rate: 2.08%
-- Flow 3:
Average throughput: 520.01 Mbit/s
95th percentile per-packet one-way delay: 163.431 ms
Loss rate: 4.07%

Run 10: Report of FillP-Sheep — Data Link

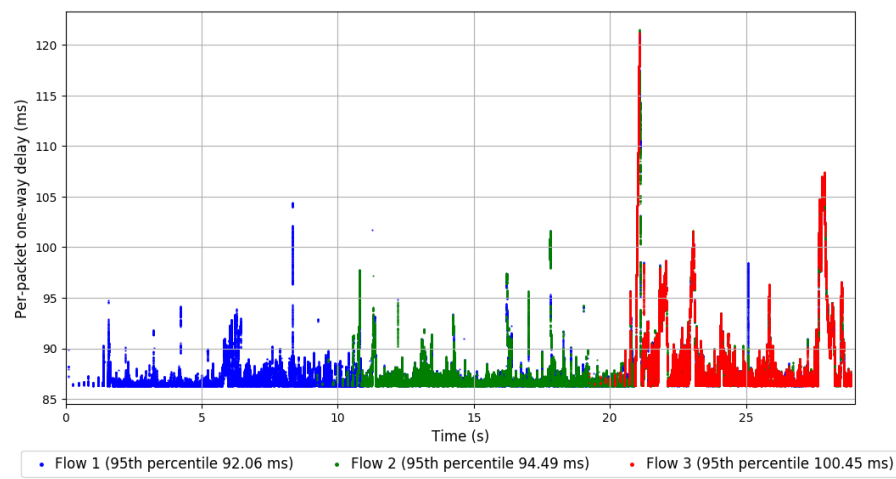
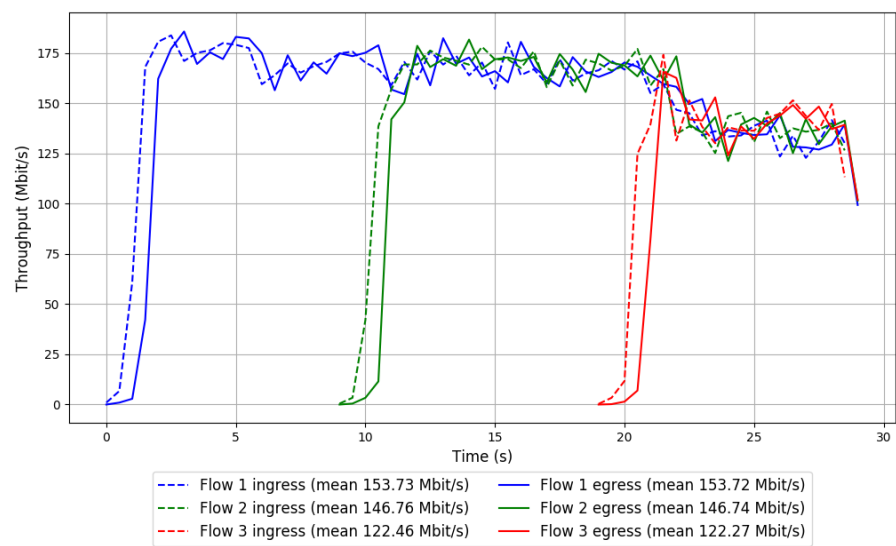


```
Run 1: Statistics of Indigo

Start at: 2018-08-01 17:51:43
End at: 2018-08-01 17:52:13
Local clock offset: 0.088 ms
Remote clock offset: 0.018 ms

# Below is generated by plot.py at 2018-08-02 00:09:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 294.71 Mbit/s
95th percentile per-packet one-way delay: 94.611 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 153.72 Mbit/s
95th percentile per-packet one-way delay: 92.056 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 146.74 Mbit/s
95th percentile per-packet one-way delay: 94.487 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 122.27 Mbit/s
95th percentile per-packet one-way delay: 100.449 ms
Loss rate: 1.93%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-08-01 18:16:48

End at: 2018-08-01 18:17:18

Local clock offset: 0.145 ms

Remote clock offset: 0.061 ms

Below is generated by plot.py at 2018-08-02 00:09:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 296.60 Mbit/s

95th percentile per-packet one-way delay: 98.031 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 165.44 Mbit/s

95th percentile per-packet one-way delay: 94.531 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 145.46 Mbit/s

95th percentile per-packet one-way delay: 98.518 ms

Loss rate: 0.85%

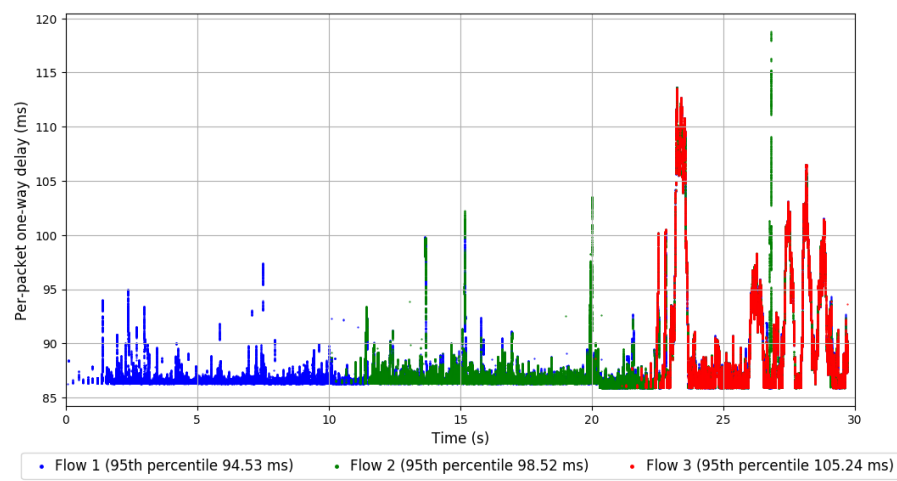
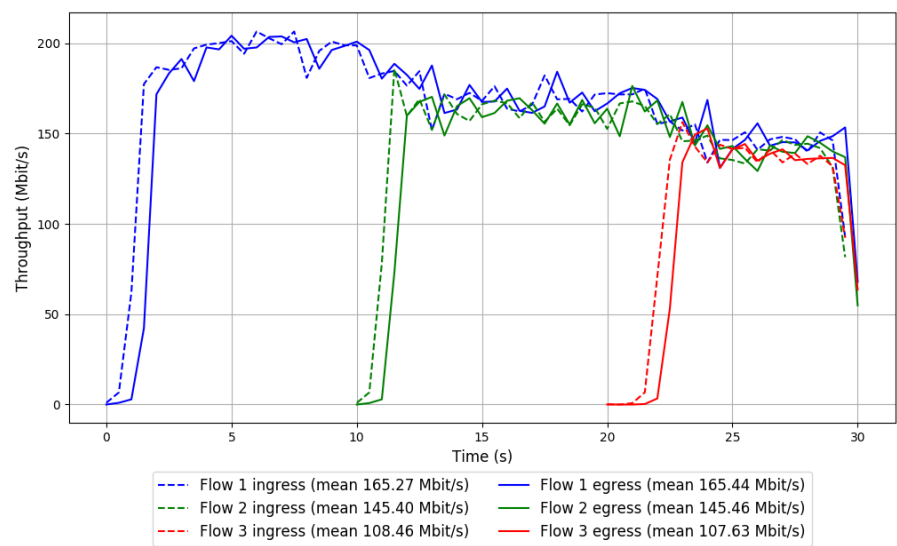
-- Flow 3:

Average throughput: 107.63 Mbit/s

95th percentile per-packet one-way delay: 105.239 ms

Loss rate: 2.51%

Run 2: Report of Indigo — Data Link

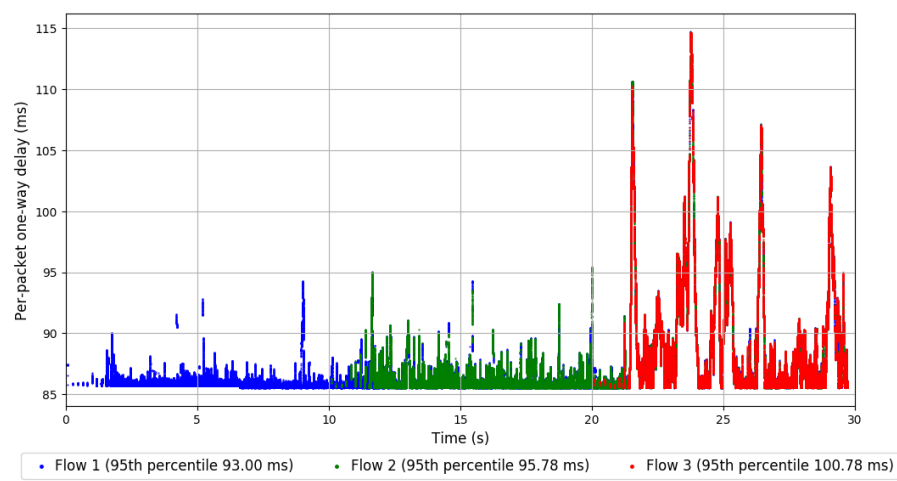
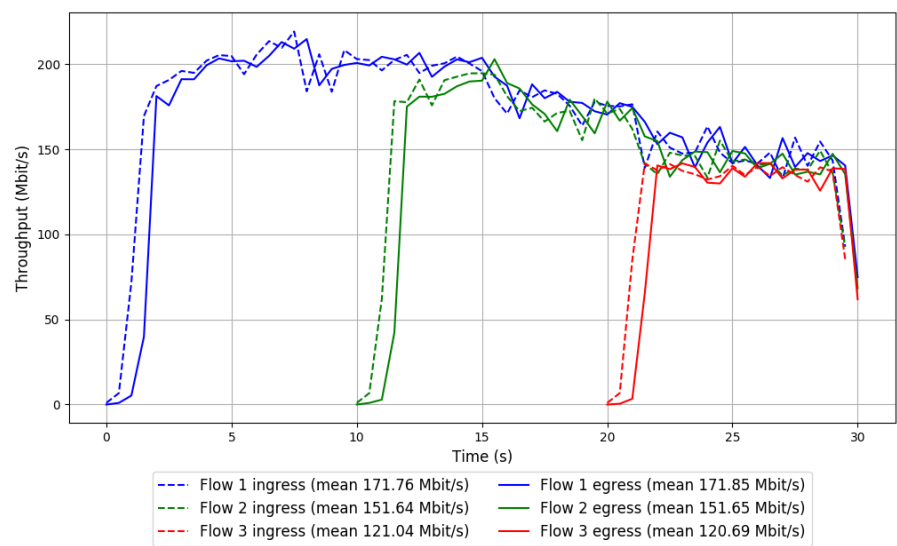


Run 3: Statistics of Indigo

Start at: 2018-08-01 18:42:02
End at: 2018-08-01 18:42:32
Local clock offset: -0.167 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-08-02 00:09:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 311.39 Mbit/s
95th percentile per-packet one-way delay: 95.568 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 171.85 Mbit/s
95th percentile per-packet one-way delay: 92.999 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 151.65 Mbit/s
95th percentile per-packet one-way delay: 95.783 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 120.69 Mbit/s
95th percentile per-packet one-way delay: 100.775 ms
Loss rate: 2.05%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-08-01 19:07:20

End at: 2018-08-01 19:07:50

Local clock offset: 0.059 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-08-02 00:09:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 311.25 Mbit/s

95th percentile per-packet one-way delay: 113.325 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 169.17 Mbit/s

95th percentile per-packet one-way delay: 109.908 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 154.14 Mbit/s

95th percentile per-packet one-way delay: 113.419 ms

Loss rate: 0.88%

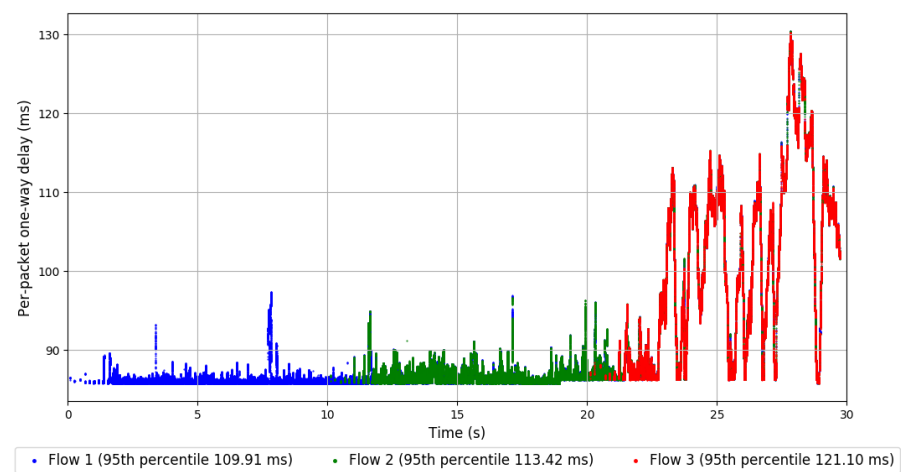
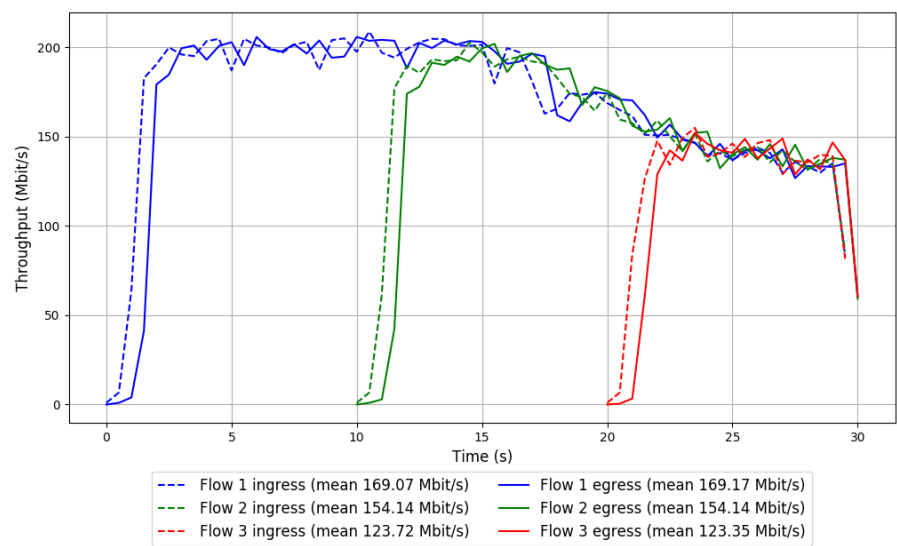
-- Flow 3:

Average throughput: 123.35 Mbit/s

95th percentile per-packet one-way delay: 121.098 ms

Loss rate: 2.06%

Run 4: Report of Indigo — Data Link

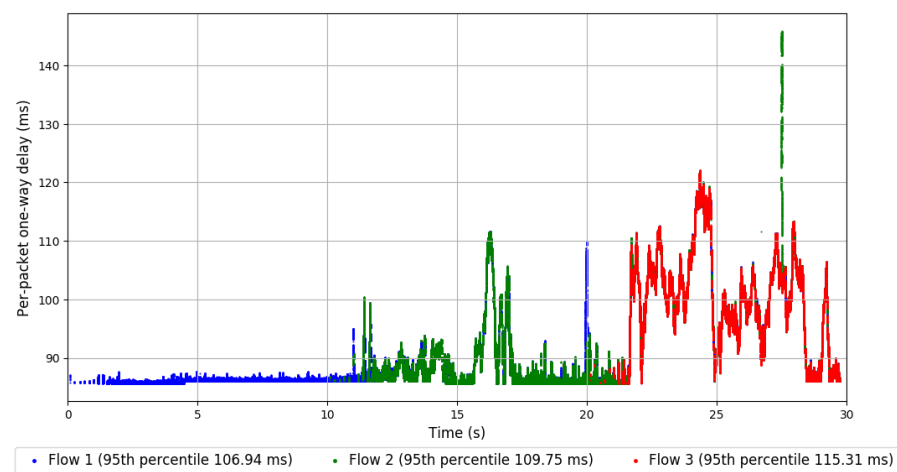
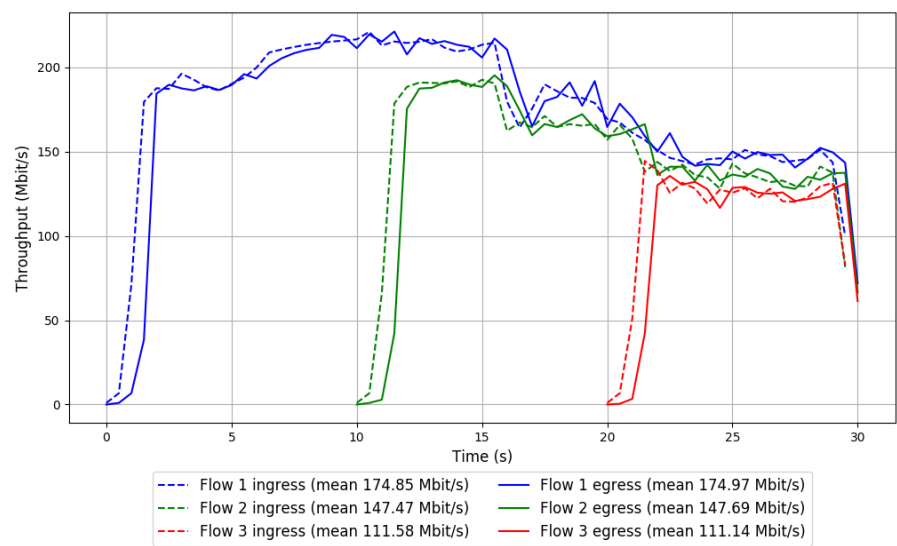


Run 5: Statistics of Indigo

Start at: 2018-08-01 19:32:24
End at: 2018-08-01 19:32:54
Local clock offset: -0.102 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-08-02 00:09:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 308.84 Mbit/s
95th percentile per-packet one-way delay: 109.201 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 174.97 Mbit/s
95th percentile per-packet one-way delay: 106.935 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 147.69 Mbit/s
95th percentile per-packet one-way delay: 109.755 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 111.14 Mbit/s
95th percentile per-packet one-way delay: 115.312 ms
Loss rate: 2.15%

Run 5: Report of Indigo — Data Link

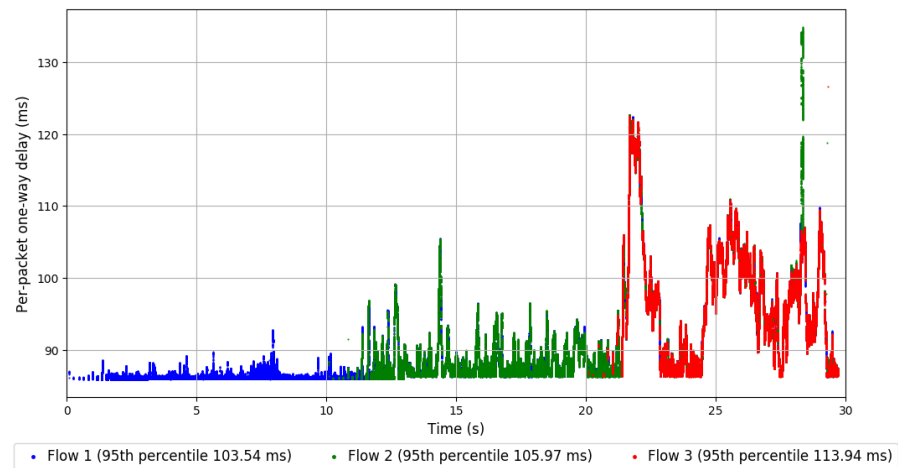
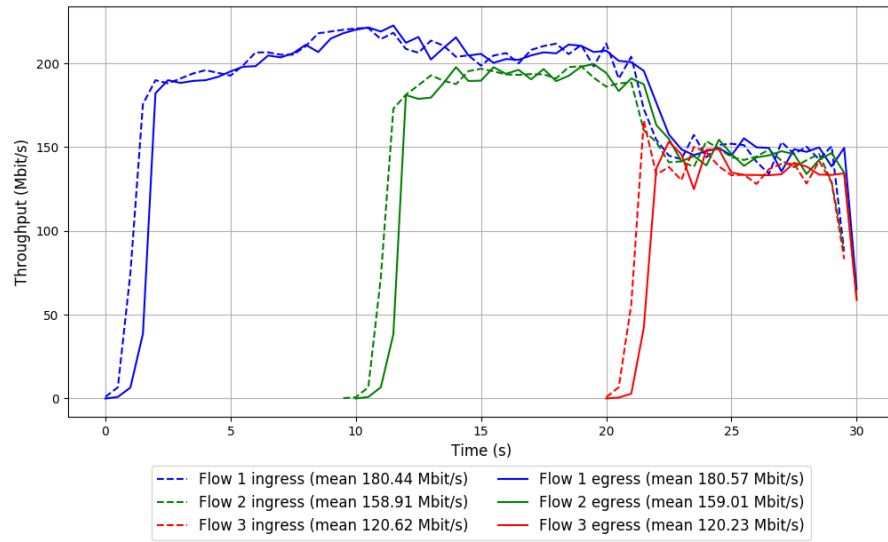


Run 6: Statistics of Indigo

Start at: 2018-08-01 19:57:26
End at: 2018-08-01 19:57:56
Local clock offset: 0.108 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-08-02 00:09:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 324.97 Mbit/s
95th percentile per-packet one-way delay: 105.626 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 180.57 Mbit/s
95th percentile per-packet one-way delay: 103.543 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 159.01 Mbit/s
95th percentile per-packet one-way delay: 105.966 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 120.23 Mbit/s
95th percentile per-packet one-way delay: 113.938 ms
Loss rate: 2.09%

Run 6: Report of Indigo — Data Link

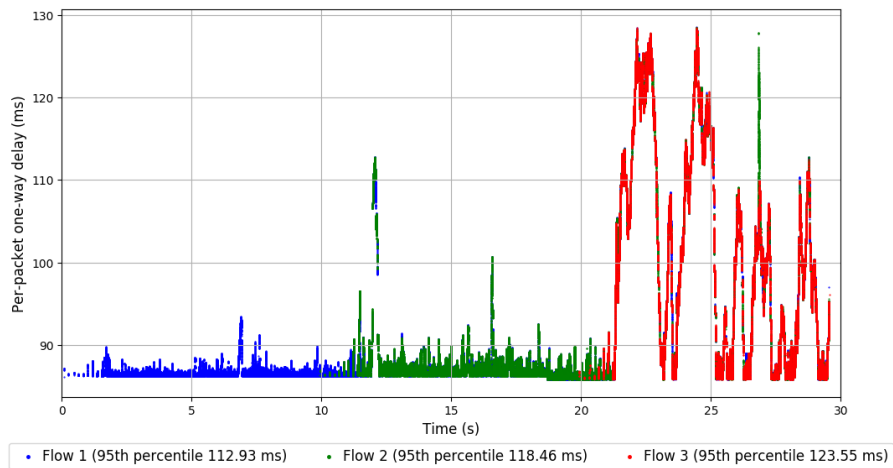
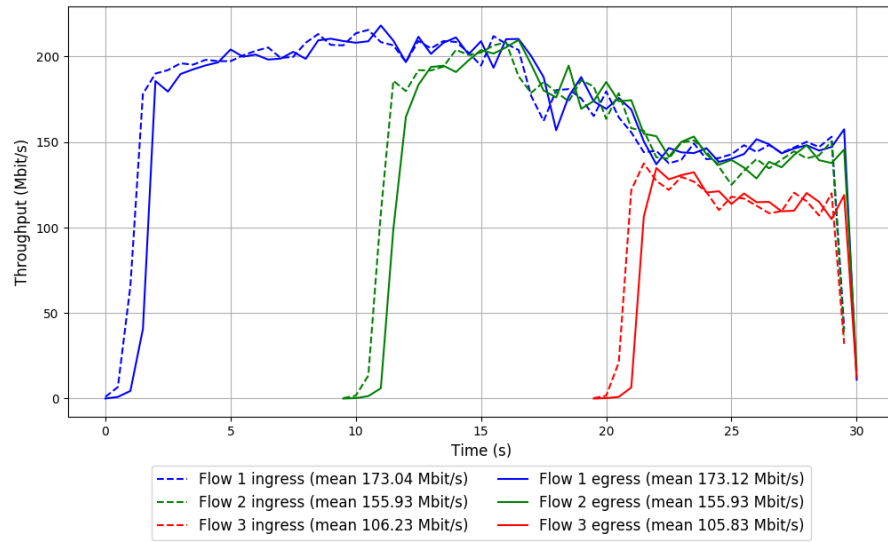


Run 7: Statistics of Indigo

Start at: 2018-08-01 20:22:50
End at: 2018-08-01 20:23:20
Local clock offset: 0.14 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-08-02 00:09:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 311.45 Mbit/s
95th percentile per-packet one-way delay: 117.993 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 173.12 Mbit/s
95th percentile per-packet one-way delay: 112.933 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 155.93 Mbit/s
95th percentile per-packet one-way delay: 118.460 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 105.83 Mbit/s
95th percentile per-packet one-way delay: 123.548 ms
Loss rate: 2.10%

Run 7: Report of Indigo — Data Link

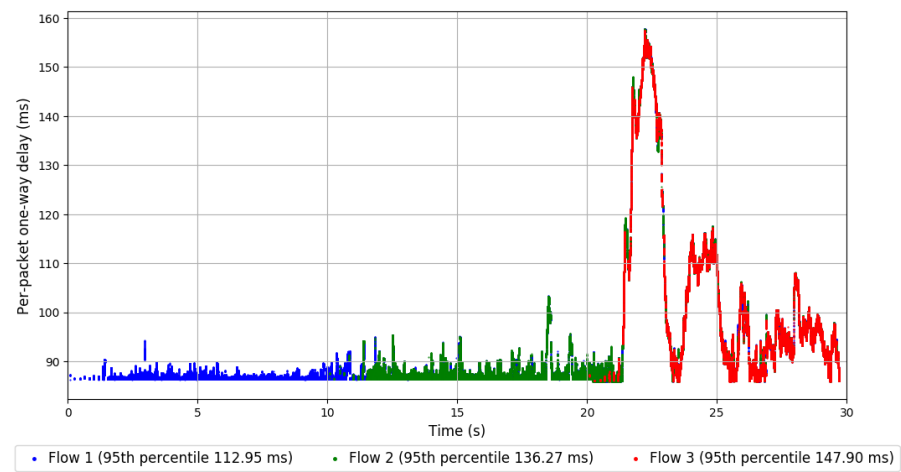
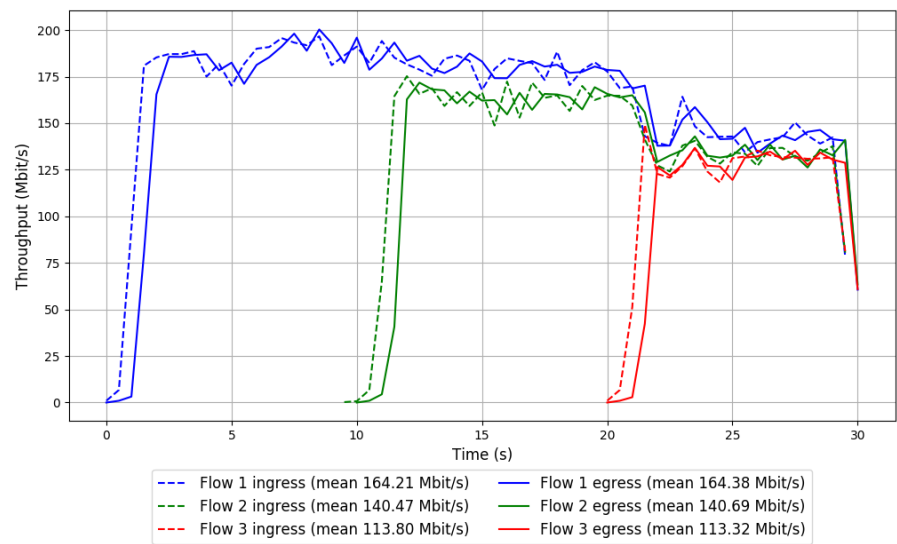


Run 8: Statistics of Indigo

Start at: 2018-08-01 20:48:29
End at: 2018-08-01 20:48:59
Local clock offset: 0.219 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-08-02 00:09:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 294.37 Mbit/s
95th percentile per-packet one-way delay: 135.388 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 164.38 Mbit/s
95th percentile per-packet one-way delay: 112.946 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 140.69 Mbit/s
95th percentile per-packet one-way delay: 136.272 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 113.32 Mbit/s
95th percentile per-packet one-way delay: 147.896 ms
Loss rate: 2.18%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-08-01 21:15:04

End at: 2018-08-01 21:15:34

Local clock offset: 0.245 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-08-02 00:09:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 294.55 Mbit/s

95th percentile per-packet one-way delay: 118.225 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 173.91 Mbit/s

95th percentile per-packet one-way delay: 115.959 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 146.31 Mbit/s

95th percentile per-packet one-way delay: 119.506 ms

Loss rate: 0.90%

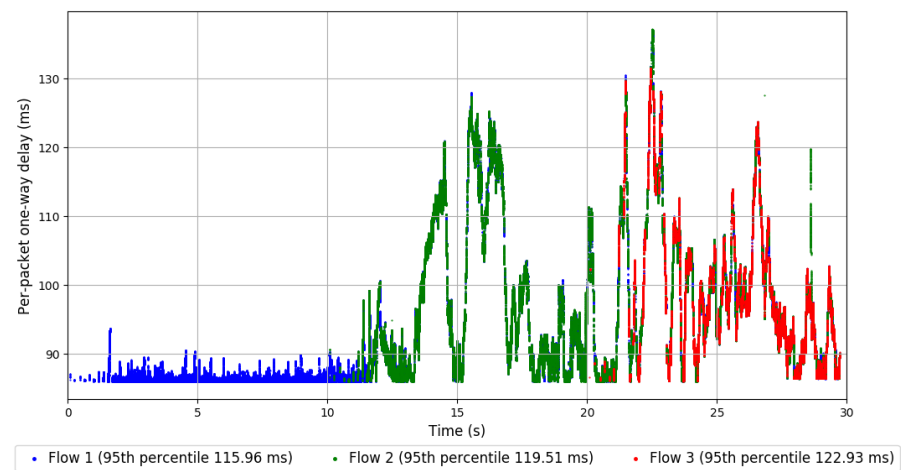
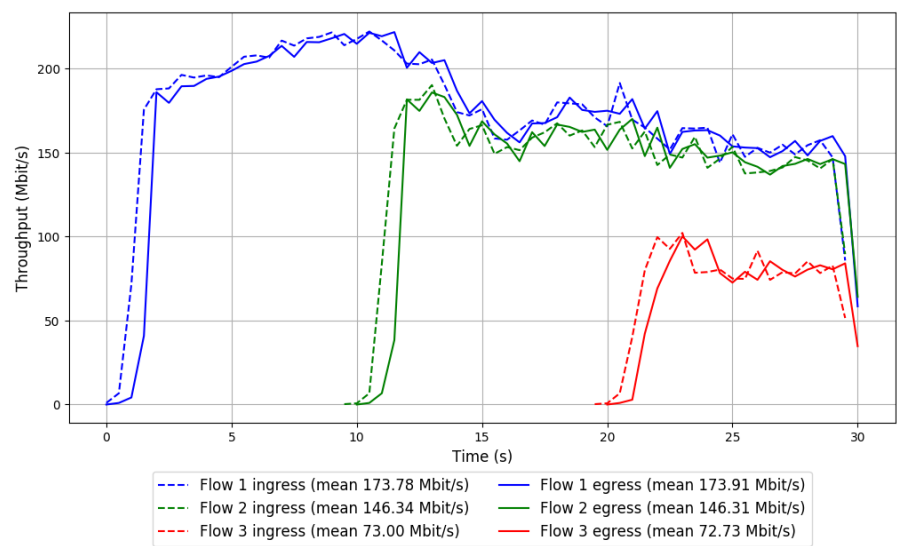
-- Flow 3:

Average throughput: 72.73 Mbit/s

95th percentile per-packet one-way delay: 122.932 ms

Loss rate: 2.12%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-08-01 21:42:08

End at: 2018-08-01 21:42:38

Local clock offset: 0.185 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-08-02 00:09:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 313.39 Mbit/s

95th percentile per-packet one-way delay: 109.857 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 179.73 Mbit/s

95th percentile per-packet one-way delay: 105.425 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 162.27 Mbit/s

95th percentile per-packet one-way delay: 111.007 ms

Loss rate: 0.87%

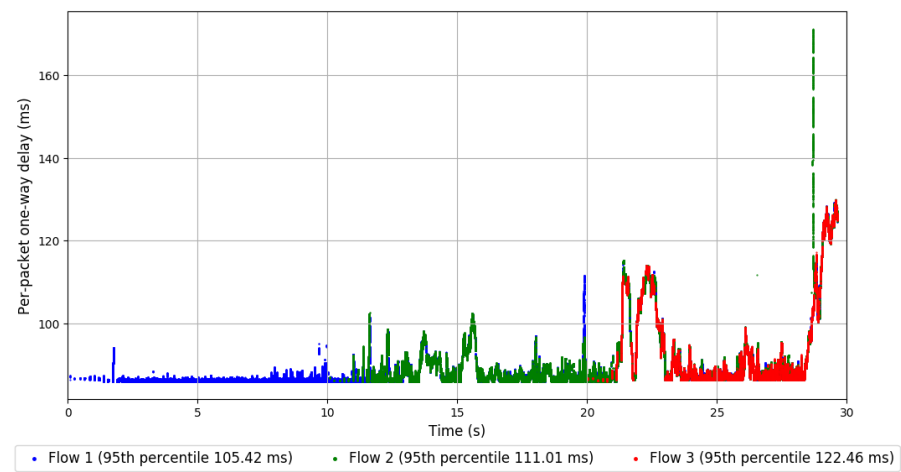
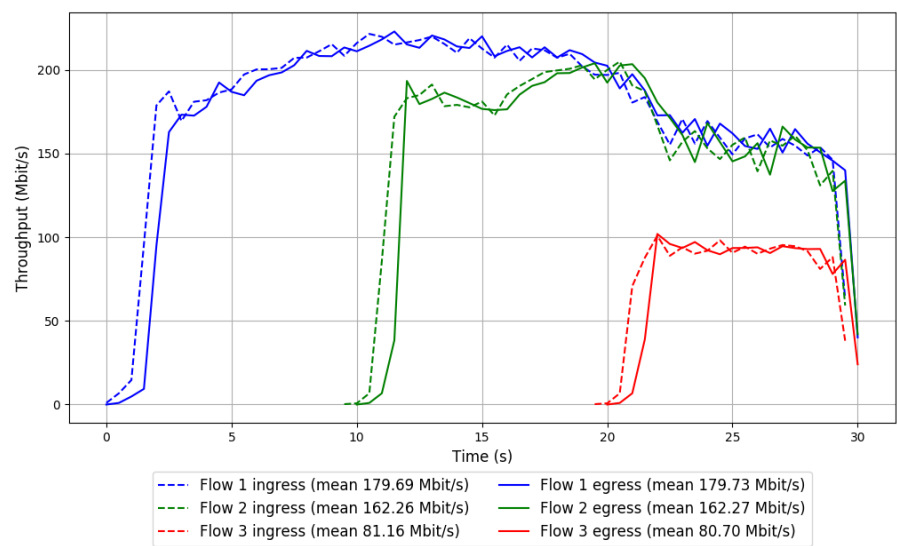
-- Flow 3:

Average throughput: 80.70 Mbit/s

95th percentile per-packet one-way delay: 122.464 ms

Loss rate: 2.27%

Run 10: Report of Indigo — Data Link

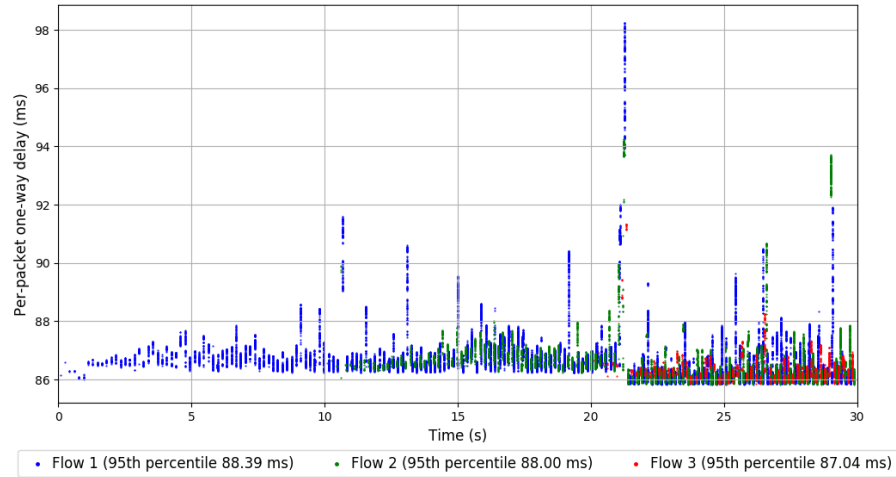
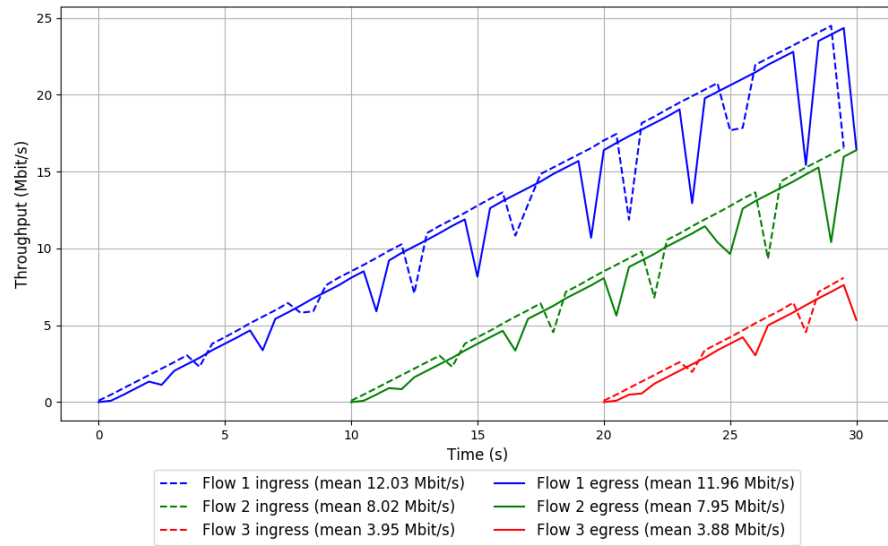


```
Run 1: Statistics of LEDBAT

Start at: 2018-08-01 17:59:58
End at: 2018-08-01 18:00:28
Local clock offset: 0.082 ms
Remote clock offset: 0.074 ms

# Below is generated by plot.py at 2018-08-02 00:09:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.45 Mbit/s
95th percentile per-packet one-way delay: 88.204 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 11.96 Mbit/s
95th percentile per-packet one-way delay: 88.394 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 7.95 Mbit/s
95th percentile per-packet one-way delay: 87.998 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 87.038 ms
Loss rate: 3.52%
```


Run 1: Report of LEDBAT — Data Link

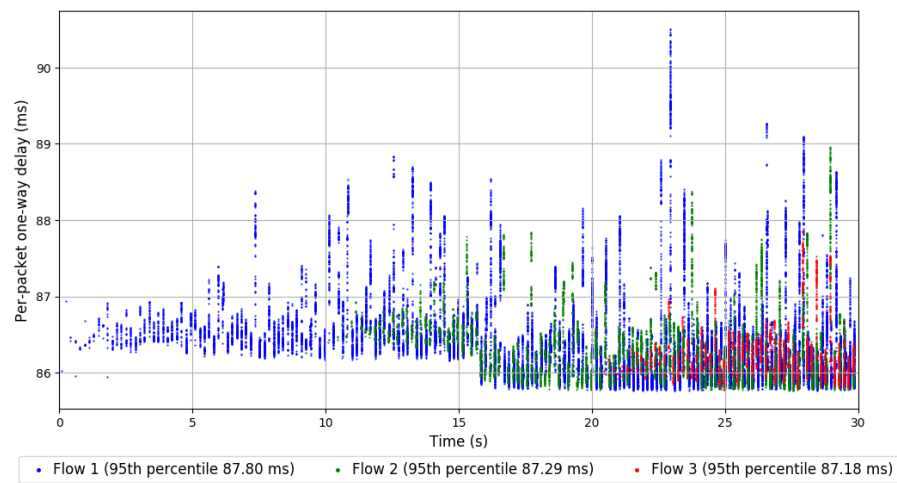
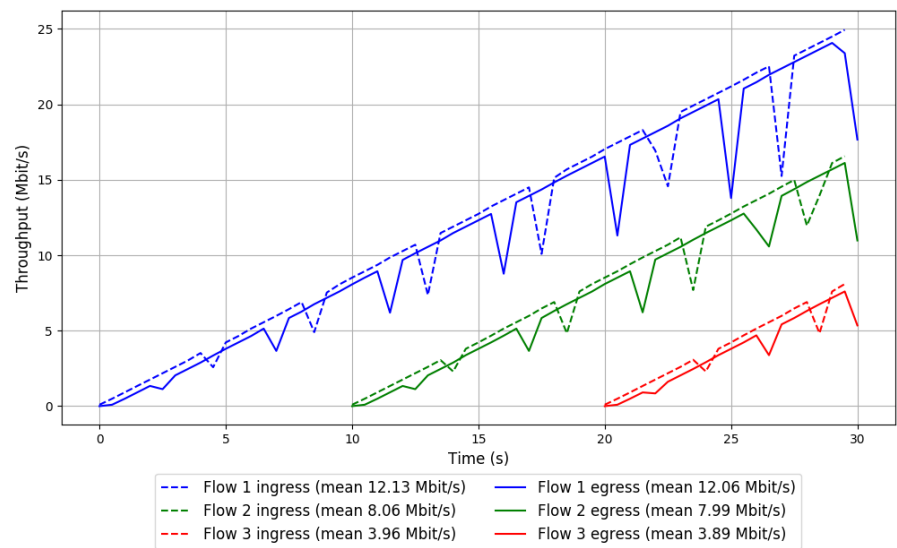


Run 2: Statistics of LEDBAT

Start at: 2018-08-01 18:25:13
End at: 2018-08-01 18:25:43
Local clock offset: 0.007 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-08-02 00:09:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.61 Mbit/s
95th percentile per-packet one-way delay: 87.605 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 12.06 Mbit/s
95th percentile per-packet one-way delay: 87.801 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 7.99 Mbit/s
95th percentile per-packet one-way delay: 87.294 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 87.177 ms
Loss rate: 3.52%

Run 2: Report of LEDBAT — Data Link

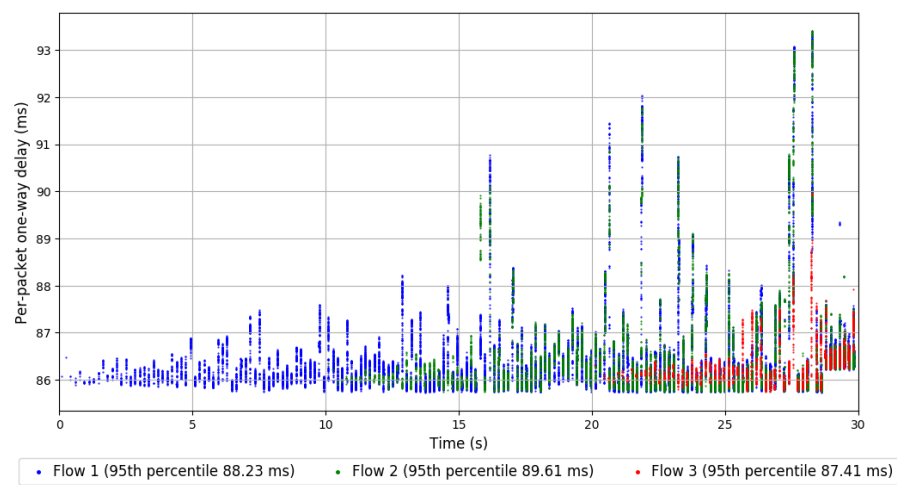
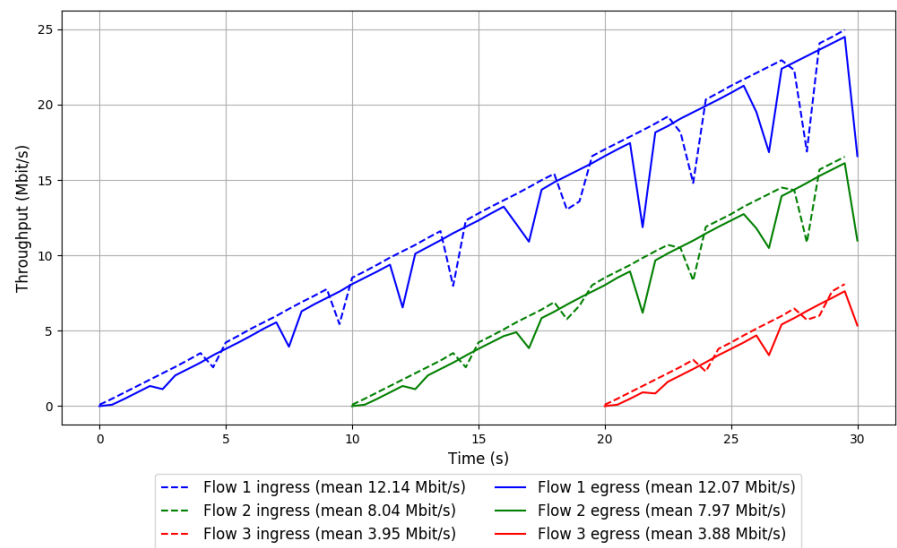


Run 3: Statistics of LEDBAT

Start at: 2018-08-01 18:50:20
End at: 2018-08-01 18:50:50
Local clock offset: 0.034 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-08-02 00:09:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.63 Mbit/s
95th percentile per-packet one-way delay: 88.617 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 88.235 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 7.97 Mbit/s
95th percentile per-packet one-way delay: 89.612 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 87.411 ms
Loss rate: 3.52%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-08-01 19:15:25

End at: 2018-08-01 19:15:55

Local clock offset: 0.074 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-08-02 00:09:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.56 Mbit/s

95th percentile per-packet one-way delay: 88.353 ms

Loss rate: 1.48%

-- Flow 1:

Average throughput: 12.03 Mbit/s

95th percentile per-packet one-way delay: 88.043 ms

Loss rate: 1.15%

-- Flow 2:

Average throughput: 7.94 Mbit/s

95th percentile per-packet one-way delay: 89.044 ms

Loss rate: 1.74%

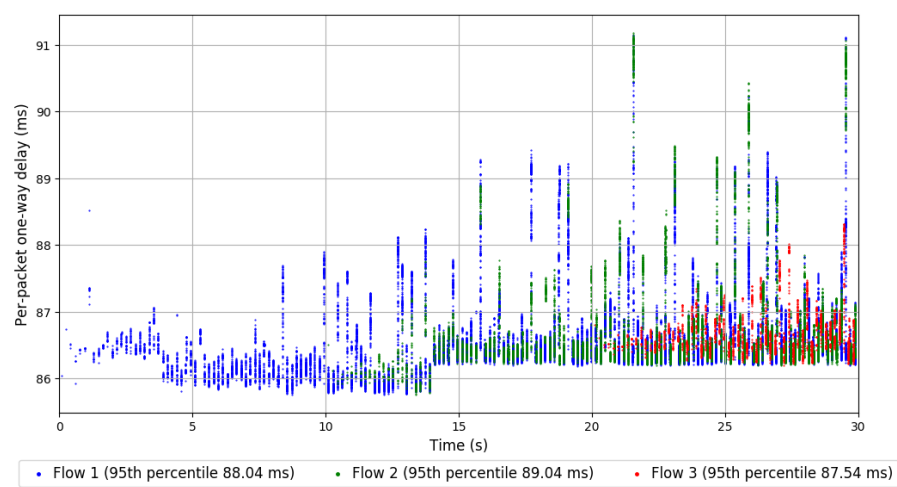
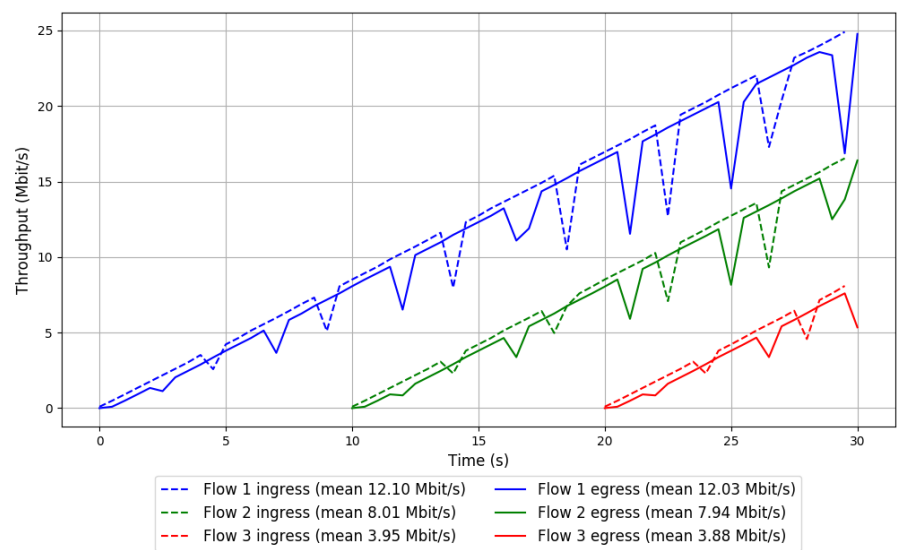
-- Flow 3:

Average throughput: 3.88 Mbit/s

95th percentile per-packet one-way delay: 87.543 ms

Loss rate: 3.52%

Run 4: Report of LEDBAT — Data Link

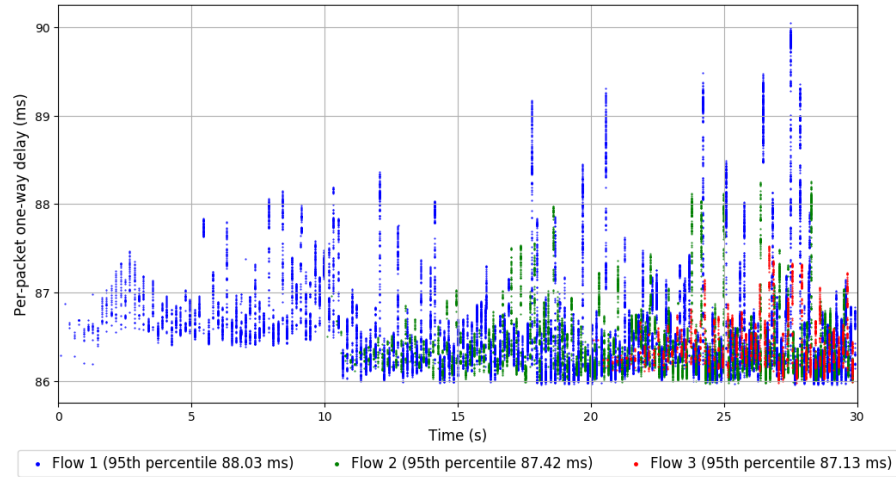
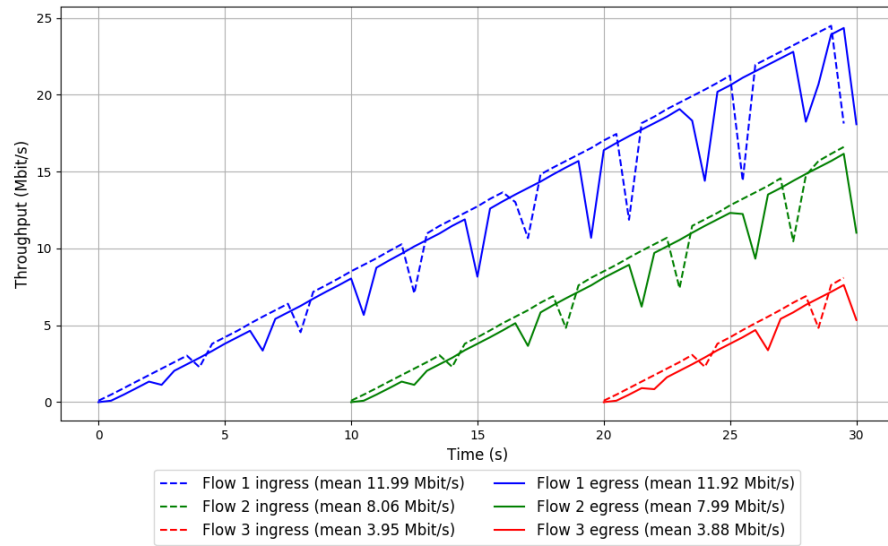


Run 5: Statistics of LEDBAT

Start at: 2018-08-01 19:40:38
End at: 2018-08-01 19:41:08
Local clock offset: 0.206 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-08-02 00:09:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.47 Mbit/s
95th percentile per-packet one-way delay: 87.866 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 11.92 Mbit/s
95th percentile per-packet one-way delay: 88.035 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 7.99 Mbit/s
95th percentile per-packet one-way delay: 87.425 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 87.134 ms
Loss rate: 3.51%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-08-01 20:05:51

End at: 2018-08-01 20:06:21

Local clock offset: 0.217 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-08-02 00:09:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.49 Mbit/s

95th percentile per-packet one-way delay: 88.179 ms

Loss rate: 1.49%

-- Flow 1:

Average throughput: 11.97 Mbit/s

95th percentile per-packet one-way delay: 88.272 ms

Loss rate: 1.16%

-- Flow 2:

Average throughput: 7.97 Mbit/s

95th percentile per-packet one-way delay: 88.128 ms

Loss rate: 1.74%

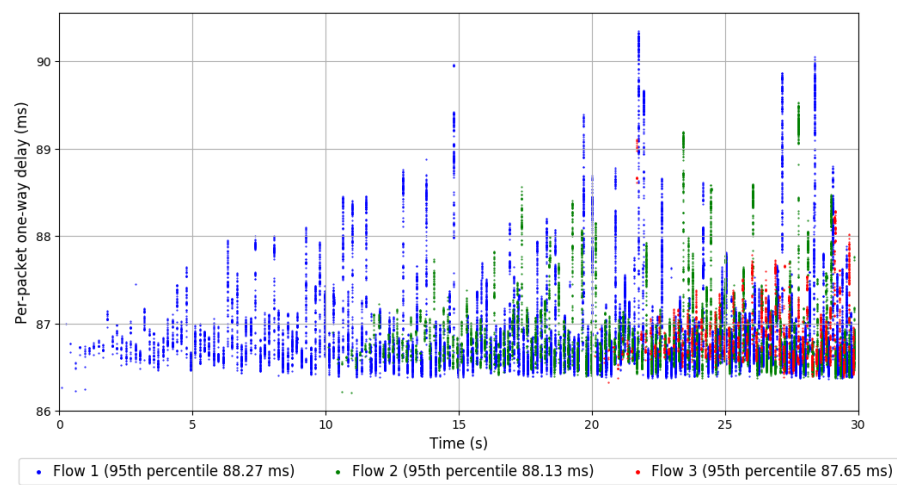
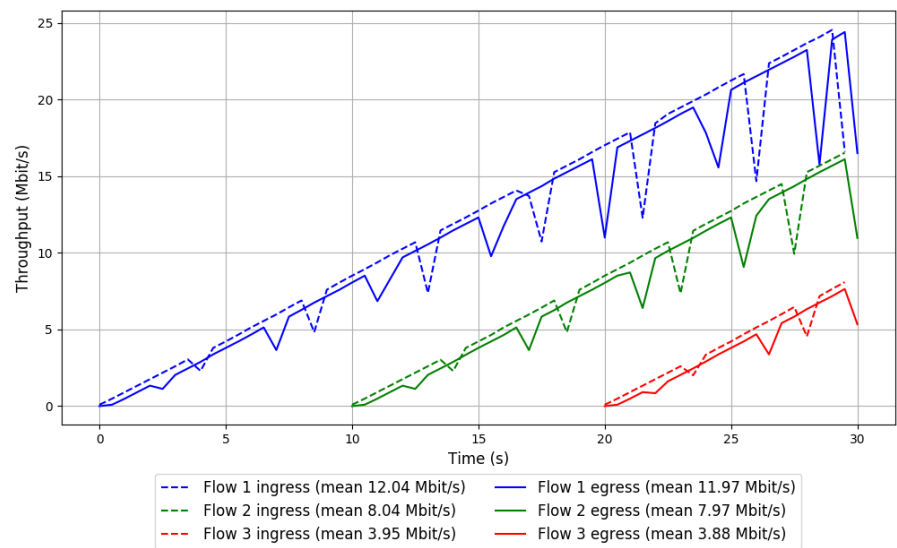
-- Flow 3:

Average throughput: 3.88 Mbit/s

95th percentile per-packet one-way delay: 87.650 ms

Loss rate: 3.51%

Run 6: Report of LEDBAT — Data Link

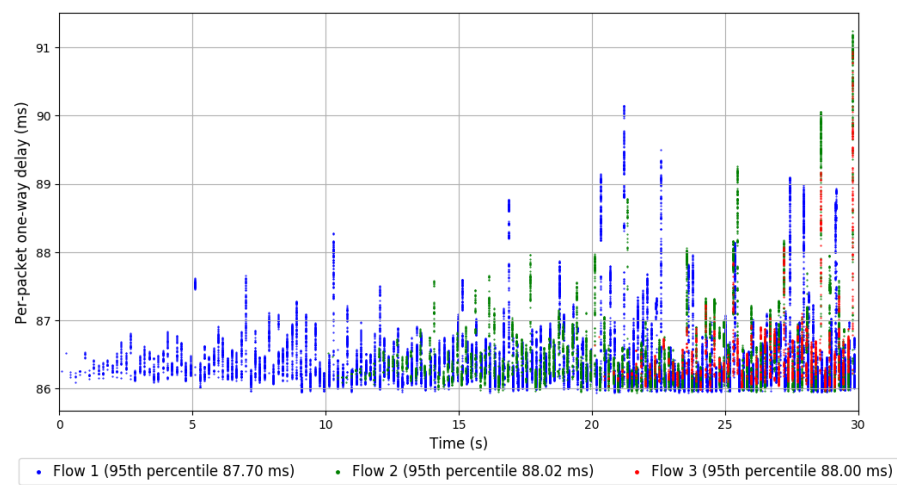
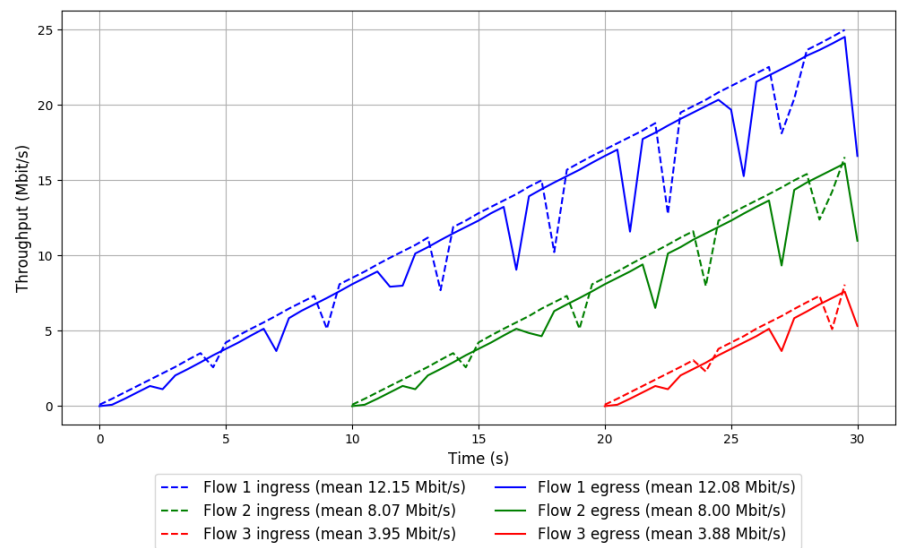


Run 7: Statistics of LEDBAT

Start at: 2018-08-01 20:31:11
End at: 2018-08-01 20:31:41
Local clock offset: 0.134 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-08-02 00:09:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.63 Mbit/s
95th percentile per-packet one-way delay: 87.876 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 12.08 Mbit/s
95th percentile per-packet one-way delay: 87.703 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 8.00 Mbit/s
95th percentile per-packet one-way delay: 88.017 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 88.002 ms
Loss rate: 3.52%

Run 7: Report of LEDBAT — Data Link

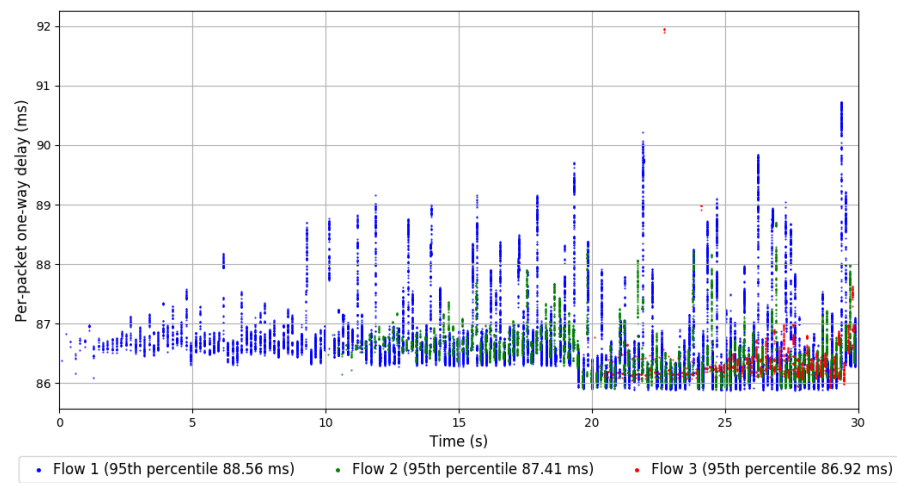
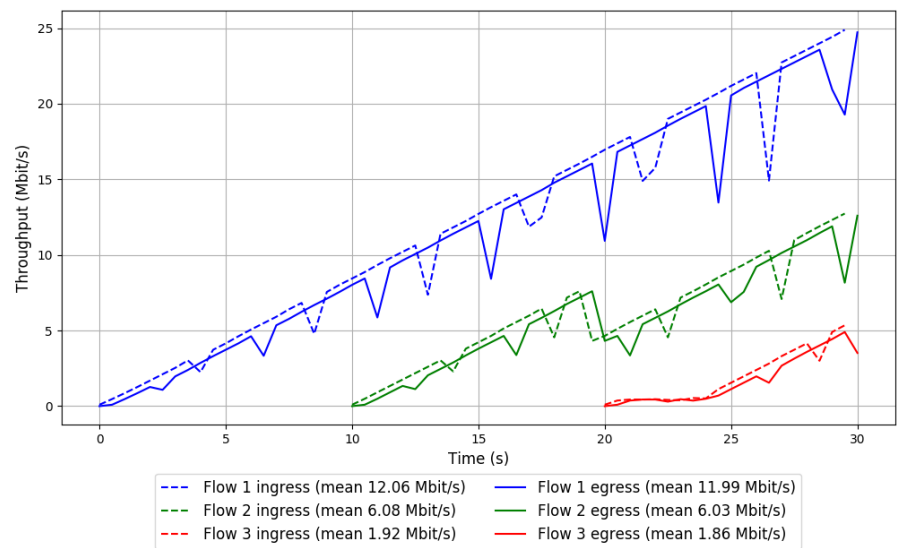


Run 8: Statistics of LEDBAT

Start at: 2018-08-01 20:57:40
End at: 2018-08-01 20:58:10
Local clock offset: 0.117 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-08-02 00:09:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.60 Mbit/s
95th percentile per-packet one-way delay: 88.261 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 11.99 Mbit/s
95th percentile per-packet one-way delay: 88.558 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 6.03 Mbit/s
95th percentile per-packet one-way delay: 87.407 ms
Loss rate: 1.77%
-- Flow 3:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 86.921 ms
Loss rate: 4.82%

Run 8: Report of LEDBAT — Data Link

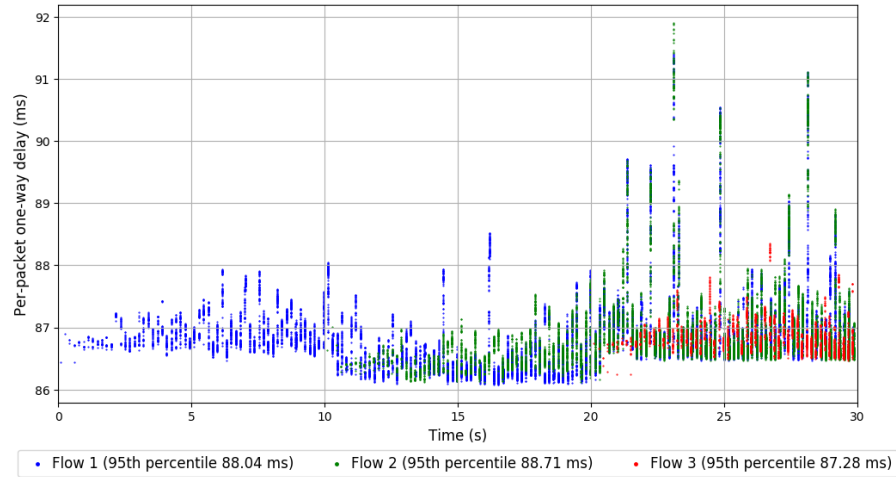
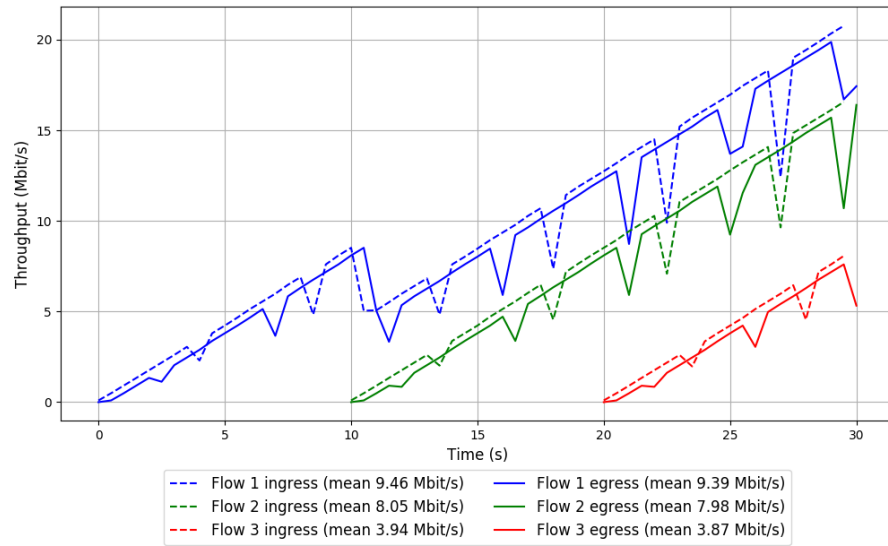


Run 9: Statistics of LEDBAT

Start at: 2018-08-01 21:24:09
End at: 2018-08-01 21:24:39
Local clock offset: 0.234 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-08-02 00:09:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 15.95 Mbit/s
95th percentile per-packet one-way delay: 88.265 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 9.39 Mbit/s
95th percentile per-packet one-way delay: 88.040 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 7.98 Mbit/s
95th percentile per-packet one-way delay: 88.709 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 87.283 ms
Loss rate: 3.52%

Run 9: Report of LEDBAT — Data Link

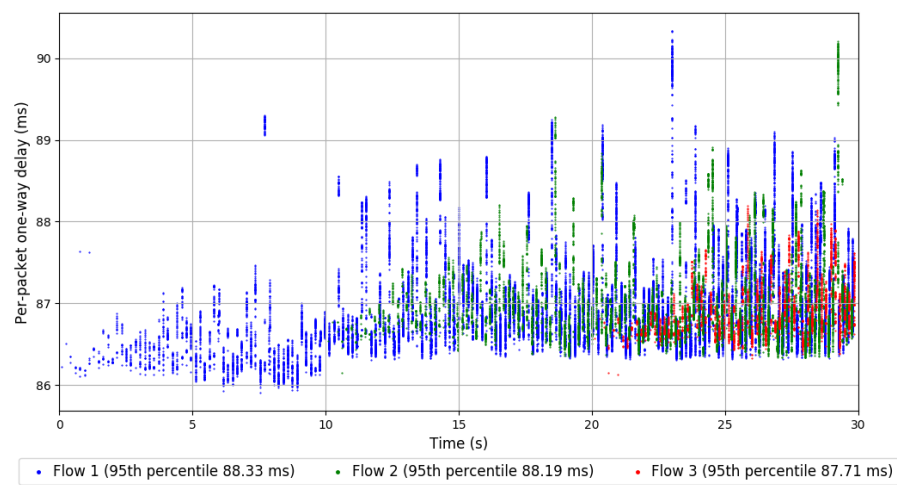
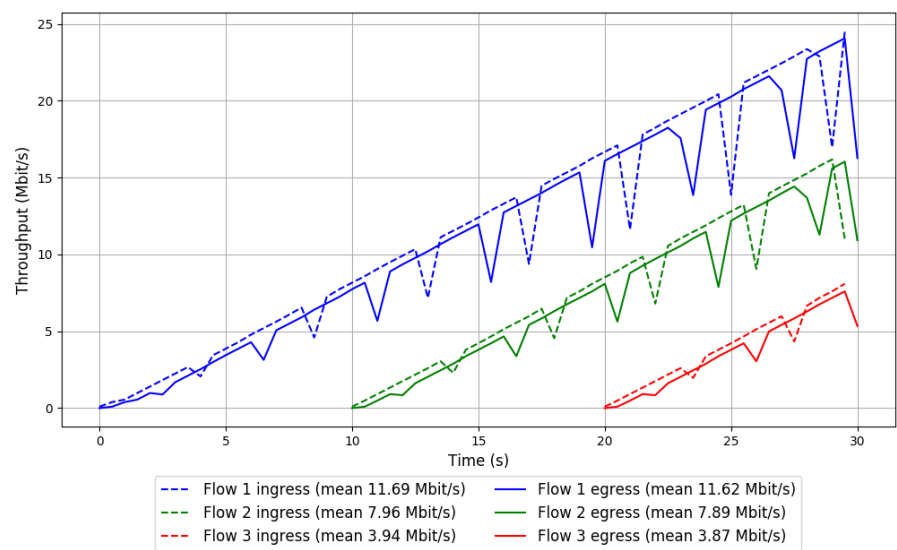


Run 10: Statistics of LEDBAT

Start at: 2018-08-01 21:50:39
End at: 2018-08-01 21:51:09
Local clock offset: 0.094 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-08-02 00:09:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.08 Mbit/s
95th percentile per-packet one-way delay: 88.251 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 11.62 Mbit/s
95th percentile per-packet one-way delay: 88.326 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 7.89 Mbit/s
95th percentile per-packet one-way delay: 88.189 ms
Loss rate: 1.75%
-- Flow 3:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 87.713 ms
Loss rate: 3.52%

Run 10: Report of LEDBAT — Data Link

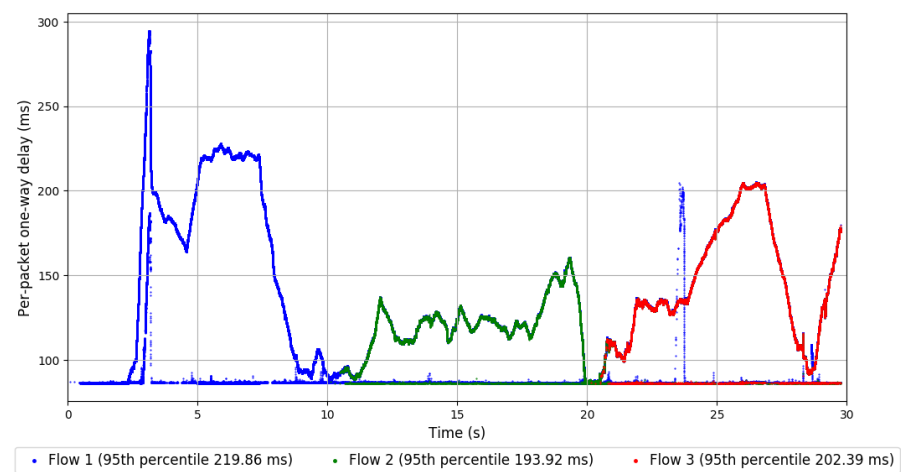
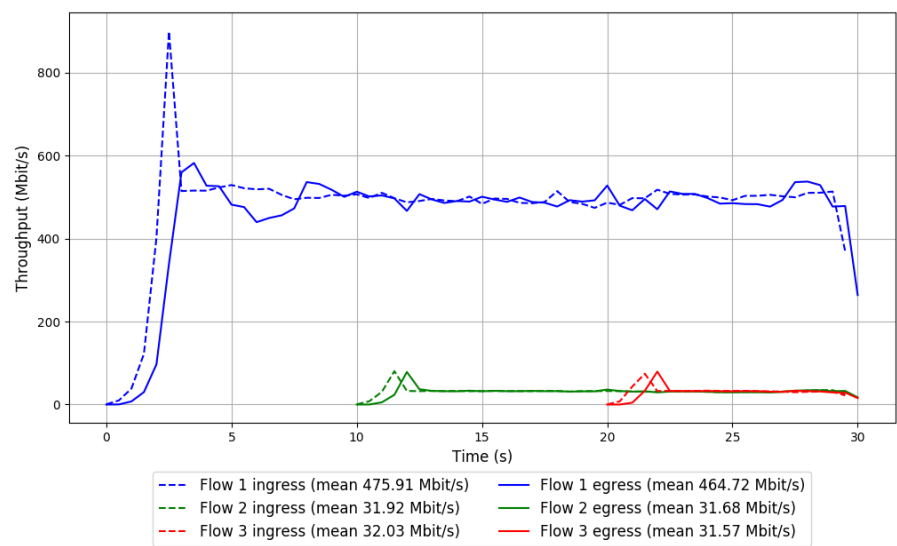


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-01 17:50:13
End at: 2018-08-01 17:50:43
Local clock offset: 0.272 ms
Remote clock offset: 0.042 ms

# Below is generated by plot.py at 2018-08-02 00:09:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 495.94 Mbit/s
95th percentile per-packet one-way delay: 219.628 ms
Loss rate: 2.86%
-- Flow 1:
Average throughput: 464.72 Mbit/s
95th percentile per-packet one-way delay: 219.861 ms
Loss rate: 2.91%
-- Flow 2:
Average throughput: 31.68 Mbit/s
95th percentile per-packet one-way delay: 193.921 ms
Loss rate: 1.62%
-- Flow 3:
Average throughput: 31.57 Mbit/s
95th percentile per-packet one-way delay: 202.388 ms
Loss rate: 3.17%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-01 18:15:22

End at: 2018-08-01 18:15:52

Local clock offset: -0.087 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-08-02 00:09:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 392.31 Mbit/s

95th percentile per-packet one-way delay: 196.183 ms

Loss rate: 1.58%

-- Flow 1:

Average throughput: 240.09 Mbit/s

95th percentile per-packet one-way delay: 195.295 ms

Loss rate: 1.04%

-- Flow 2:

Average throughput: 227.51 Mbit/s

95th percentile per-packet one-way delay: 197.230 ms

Loss rate: 2.43%

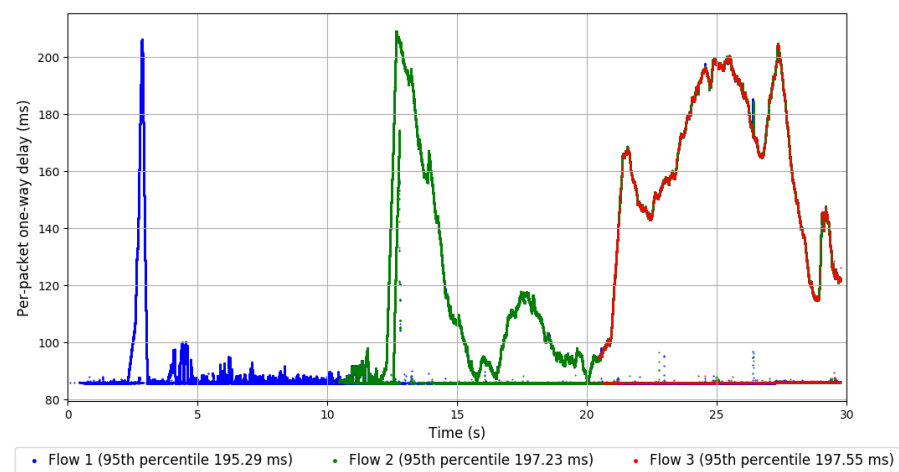
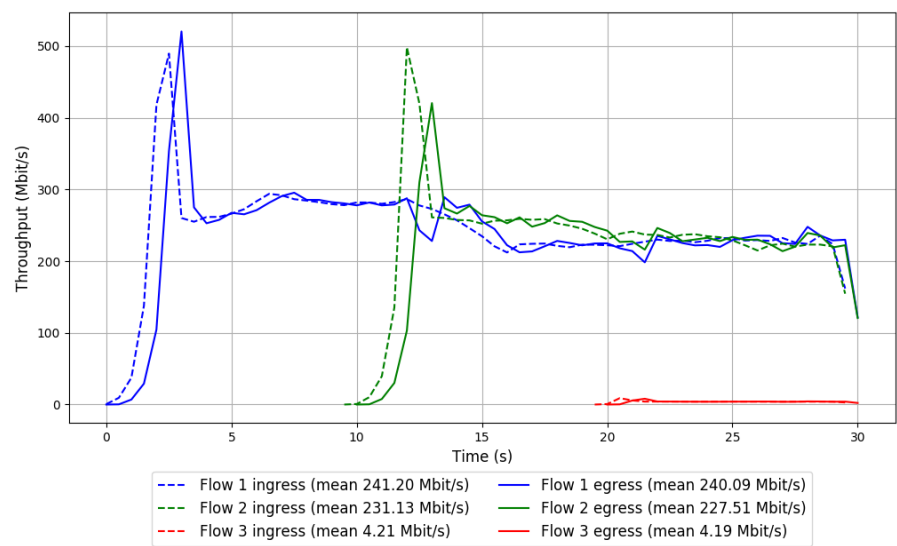
-- Flow 3:

Average throughput: 4.19 Mbit/s

95th percentile per-packet one-way delay: 197.550 ms

Loss rate: 2.04%

Run 2: Report of PCC-Allegro — Data Link

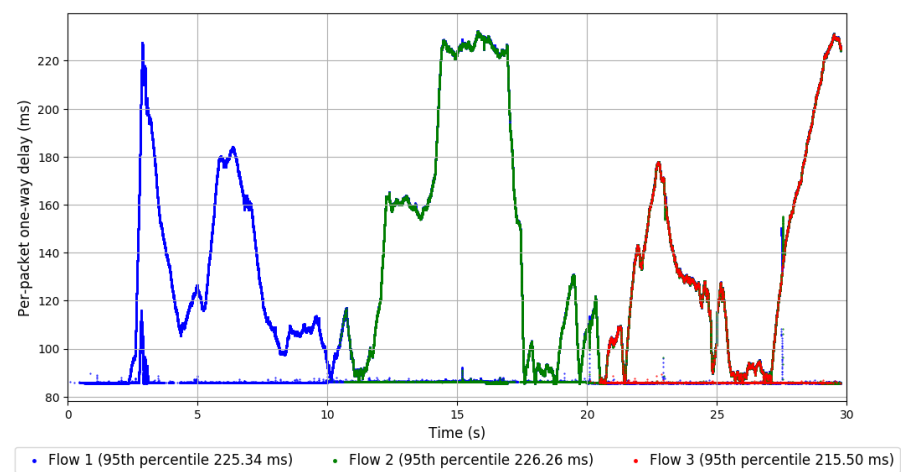
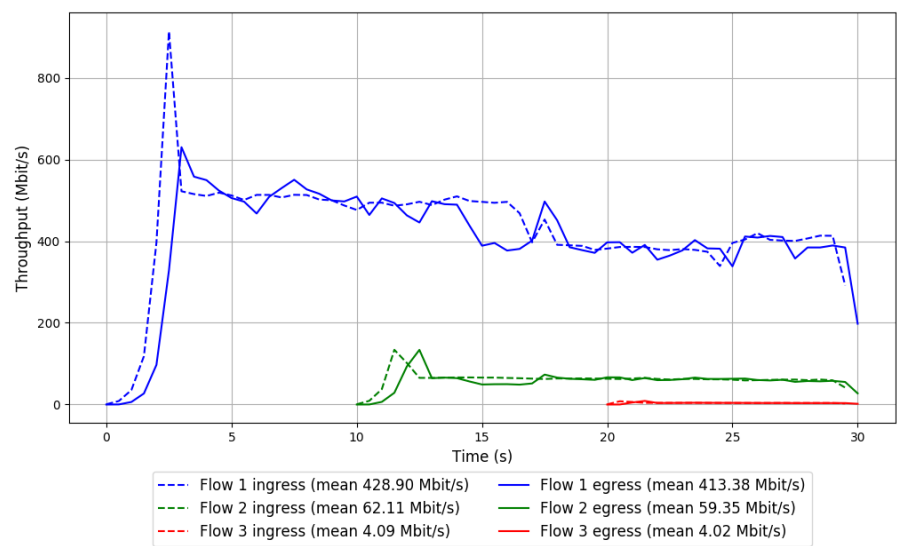


Run 3: Statistics of PCC-Allegro

Start at: 2018-08-01 18:40:33
End at: 2018-08-01 18:41:03
Local clock offset: -0.057 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-08-02 00:09:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 454.01 Mbit/s
95th percentile per-packet one-way delay: 225.463 ms
Loss rate: 4.27%
-- Flow 1:
Average throughput: 413.38 Mbit/s
95th percentile per-packet one-way delay: 225.344 ms
Loss rate: 4.17%
-- Flow 2:
Average throughput: 59.35 Mbit/s
95th percentile per-packet one-way delay: 226.257 ms
Loss rate: 5.27%
-- Flow 3:
Average throughput: 4.02 Mbit/s
95th percentile per-packet one-way delay: 215.499 ms
Loss rate: 3.32%

Run 3: Report of PCC-Allegro — Data Link

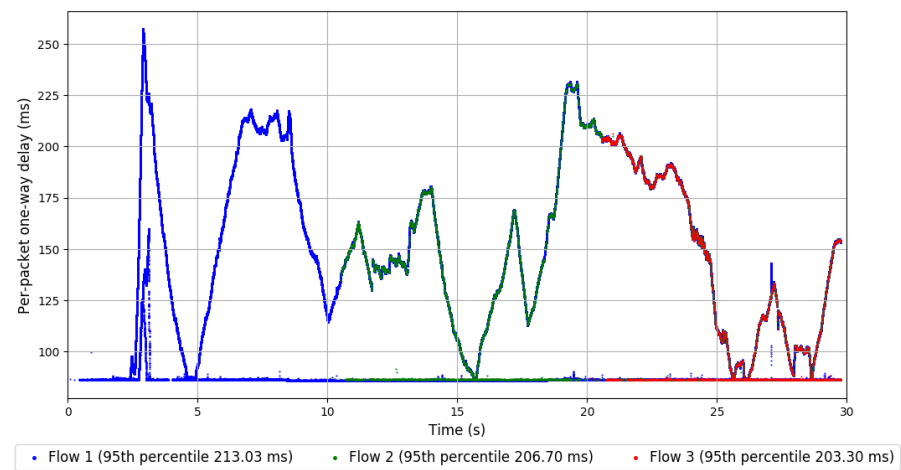
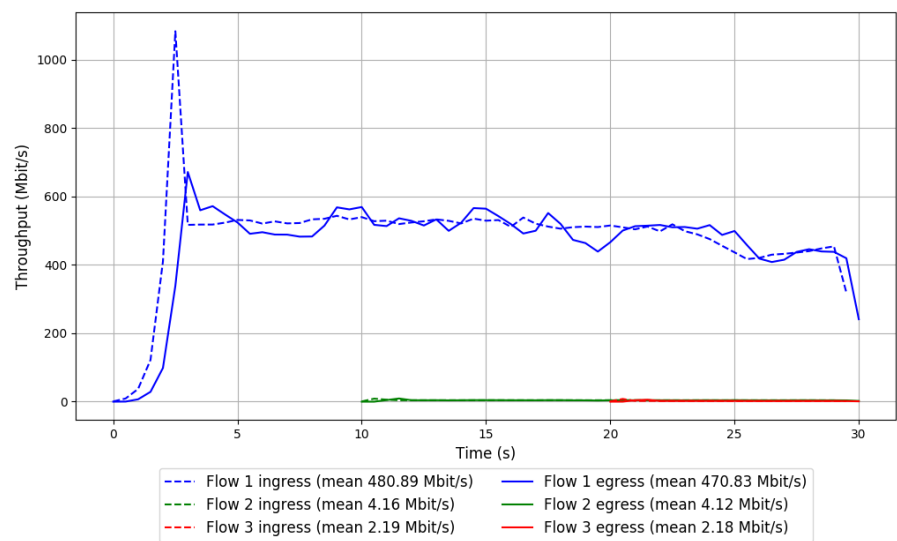


Run 4: Statistics of PCC-Allegro

Start at: 2018-08-01 19:05:50
End at: 2018-08-01 19:06:20
Local clock offset: -0.03 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-08-02 00:09:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 474.27 Mbit/s
95th percentile per-packet one-way delay: 213.001 ms
Loss rate: 2.65%
-- Flow 1:
Average throughput: 470.83 Mbit/s
95th percentile per-packet one-way delay: 213.029 ms
Loss rate: 2.66%
-- Flow 2:
Average throughput: 4.12 Mbit/s
95th percentile per-packet one-way delay: 206.697 ms
Loss rate: 1.84%
-- Flow 3:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 203.299 ms
Loss rate: 2.05%

Run 4: Report of PCC-Allegro — Data Link

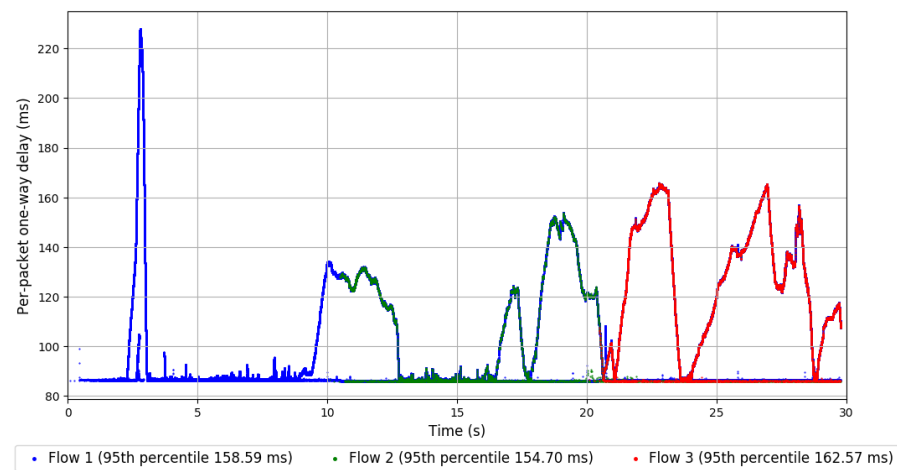
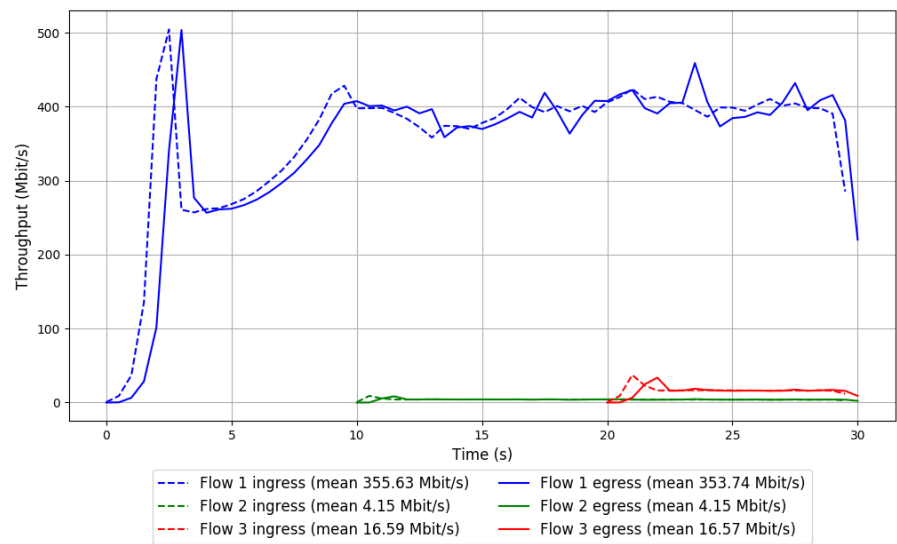


Run 5: Statistics of PCC-Allegro

Start at: 2018-08-01 19:30:58
End at: 2018-08-01 19:31:28
Local clock offset: 0.15 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-08-02 00:10:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 361.83 Mbit/s
95th percentile per-packet one-way delay: 158.817 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 353.74 Mbit/s
95th percentile per-packet one-way delay: 158.595 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 4.15 Mbit/s
95th percentile per-packet one-way delay: 154.696 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 16.57 Mbit/s
95th percentile per-packet one-way delay: 162.575 ms
Loss rate: 1.90%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-01 19:56:00

End at: 2018-08-01 19:56:30

Local clock offset: -0.036 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-08-02 00:12:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 360.97 Mbit/s

95th percentile per-packet one-way delay: 146.088 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 347.43 Mbit/s

95th percentile per-packet one-way delay: 146.194 ms

Loss rate: 0.88%

-- Flow 2:

Average throughput: 4.43 Mbit/s

95th percentile per-packet one-way delay: 143.971 ms

Loss rate: 0.97%

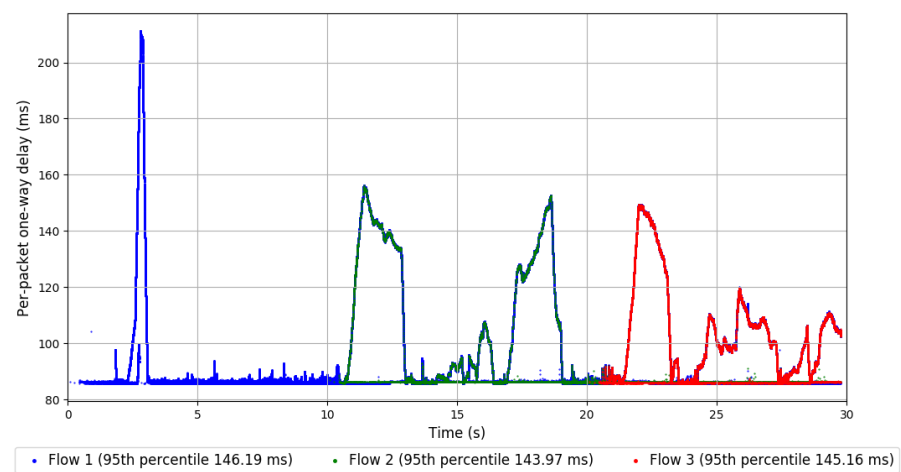
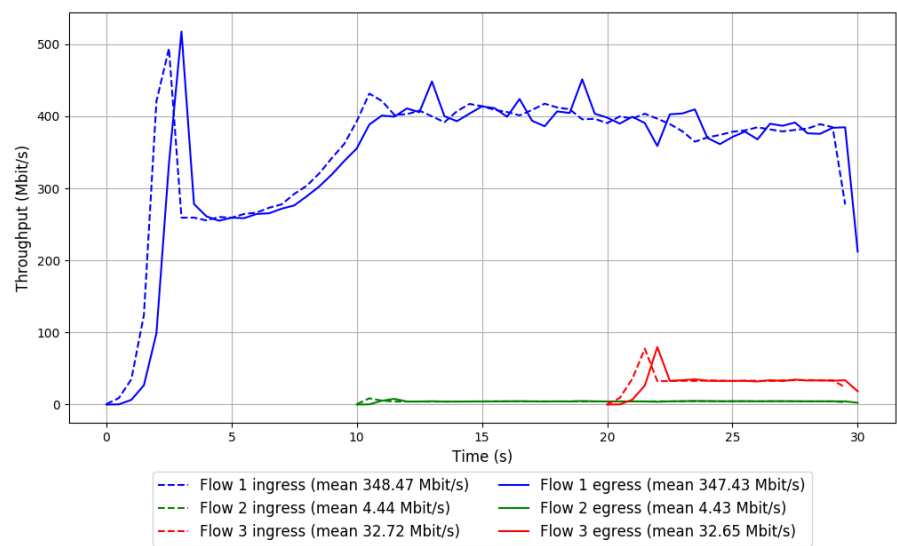
-- Flow 3:

Average throughput: 32.65 Mbit/s

95th percentile per-packet one-way delay: 145.165 ms

Loss rate: 1.95%

Run 6: Report of PCC-Allegro — Data Link

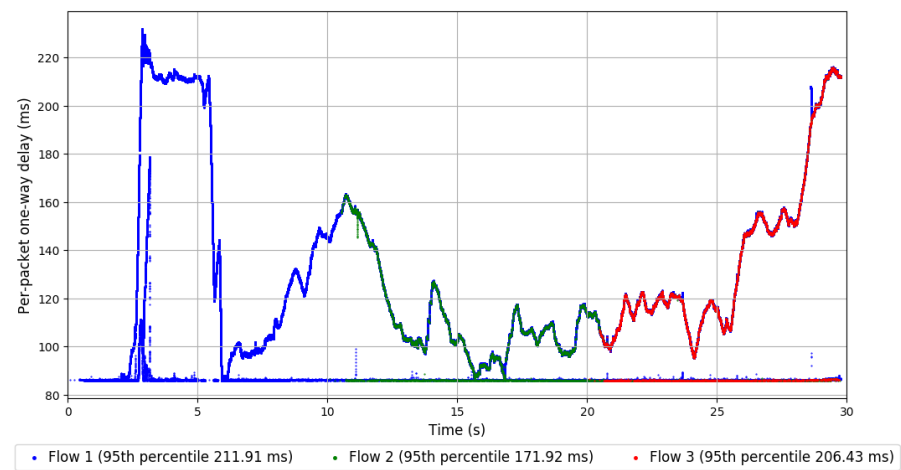
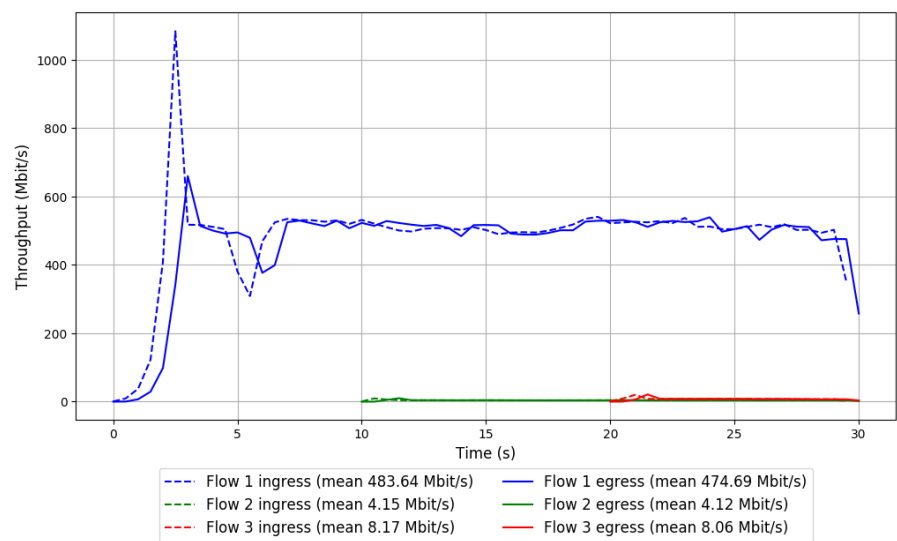


Run 7: Statistics of PCC-Allegro

Start at: 2018-08-01 20:21:20
End at: 2018-08-01 20:21:50
Local clock offset: 0.138 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-08-02 00:14:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 480.04 Mbit/s
95th percentile per-packet one-way delay: 211.904 ms
Loss rate: 2.42%
-- Flow 1:
Average throughput: 474.69 Mbit/s
95th percentile per-packet one-way delay: 211.911 ms
Loss rate: 2.42%
-- Flow 2:
Average throughput: 4.12 Mbit/s
95th percentile per-packet one-way delay: 171.918 ms
Loss rate: 1.65%
-- Flow 3:
Average throughput: 8.06 Mbit/s
95th percentile per-packet one-way delay: 206.432 ms
Loss rate: 3.10%

Run 7: Report of PCC-Allegro — Data Link

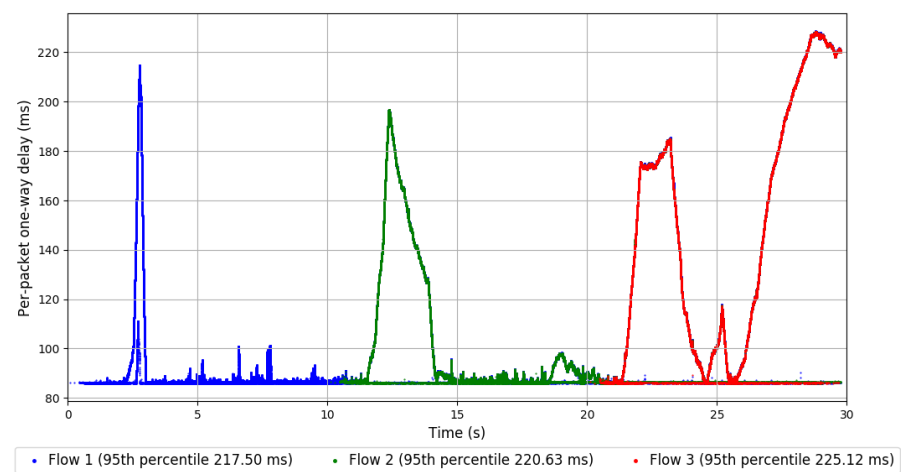
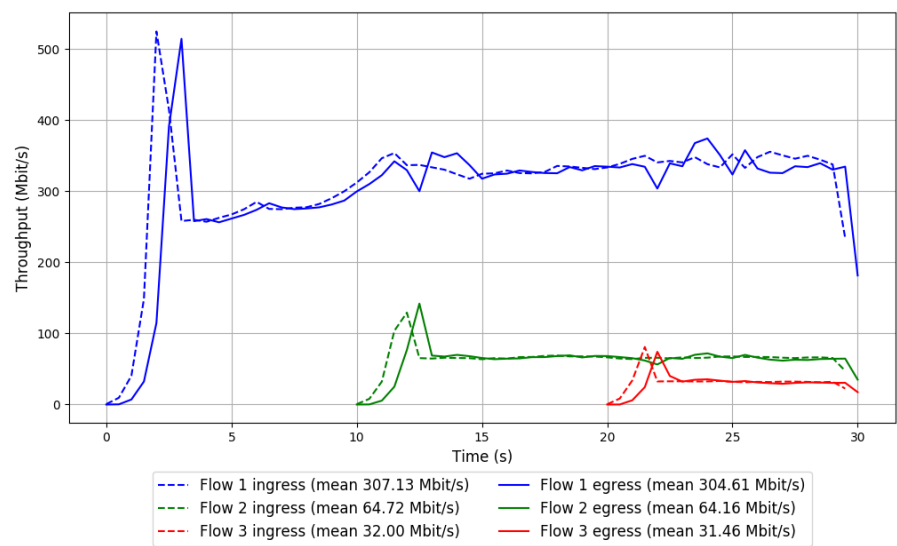


Run 8: Statistics of PCC-Allegro

Start at: 2018-08-01 20:47:02
End at: 2018-08-01 20:47:32
Local clock offset: 0.211 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-08-02 00:14:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 357.34 Mbit/s
95th percentile per-packet one-way delay: 219.348 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 304.61 Mbit/s
95th percentile per-packet one-way delay: 217.505 ms
Loss rate: 1.40%
-- Flow 2:
Average throughput: 64.16 Mbit/s
95th percentile per-packet one-way delay: 220.633 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 31.46 Mbit/s
95th percentile per-packet one-way delay: 225.119 ms
Loss rate: 3.42%

Run 8: Report of PCC-Allegro — Data Link

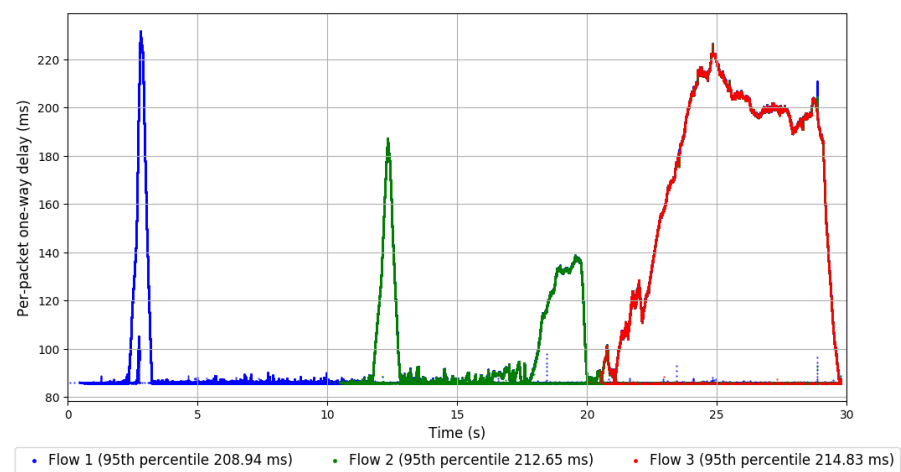
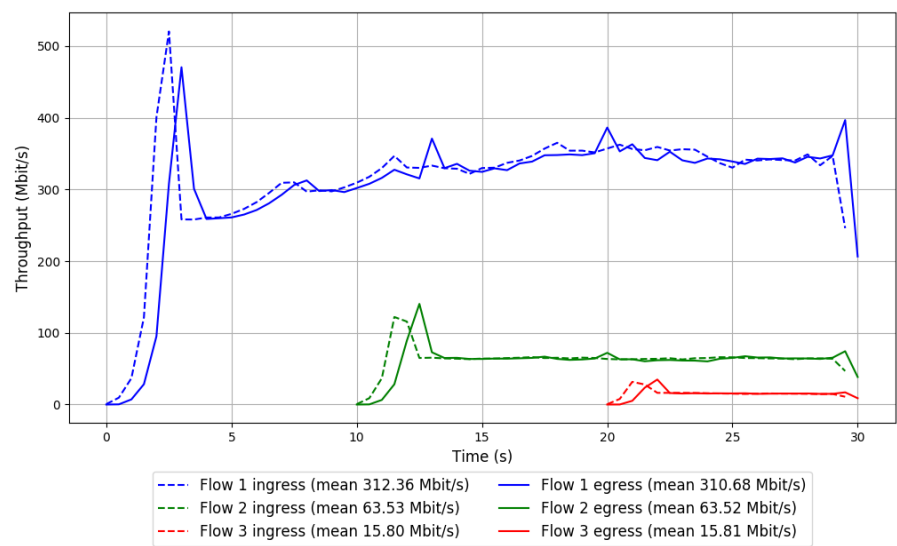


Run 9: Statistics of PCC-Allegro

Start at: 2018-08-01 21:13:26
End at: 2018-08-01 21:13:56
Local clock offset: -0.007 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-08-02 00:14:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 357.92 Mbit/s
95th percentile per-packet one-way delay: 209.796 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 310.68 Mbit/s
95th percentile per-packet one-way delay: 208.944 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 63.52 Mbit/s
95th percentile per-packet one-way delay: 212.647 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 15.81 Mbit/s
95th percentile per-packet one-way delay: 214.826 ms
Loss rate: 1.68%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-01 21:40:38

End at: 2018-08-01 21:41:08

Local clock offset: 0.201 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-08-02 00:15:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 442.45 Mbit/s

95th percentile per-packet one-way delay: 224.910 ms

Loss rate: 2.73%

-- Flow 1:

Average throughput: 438.25 Mbit/s

95th percentile per-packet one-way delay: 224.929 ms

Loss rate: 2.74%

-- Flow 2:

Average throughput: 4.29 Mbit/s

95th percentile per-packet one-way delay: 217.069 ms

Loss rate: 2.13%

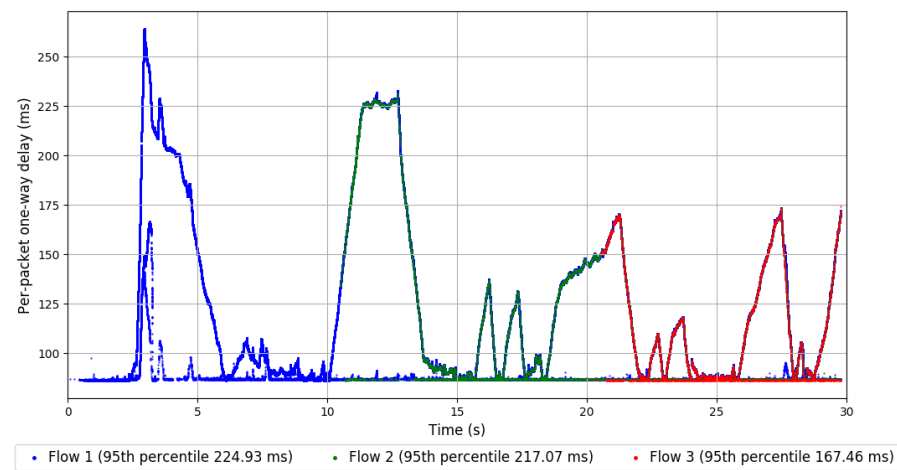
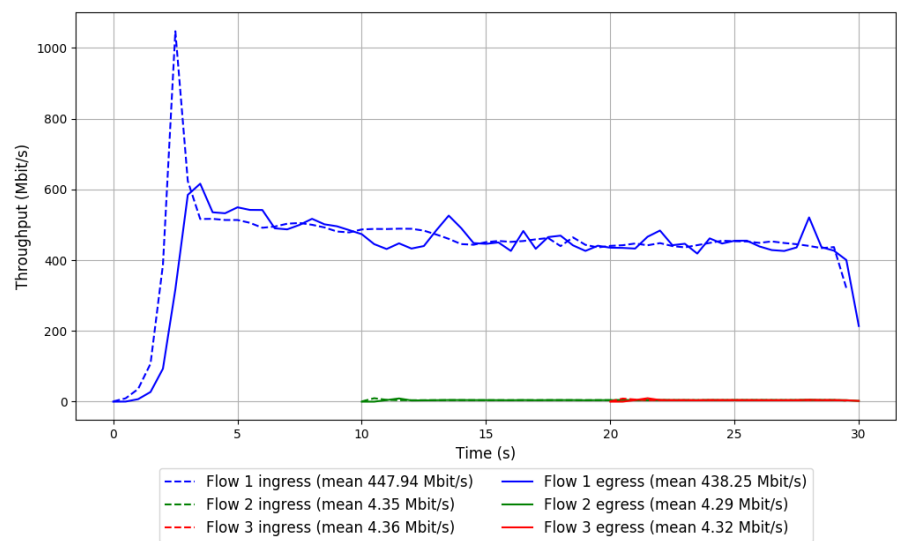
-- Flow 3:

Average throughput: 4.32 Mbit/s

95th percentile per-packet one-way delay: 167.458 ms

Loss rate: 2.51%

Run 10: Report of PCC-Allegro — Data Link

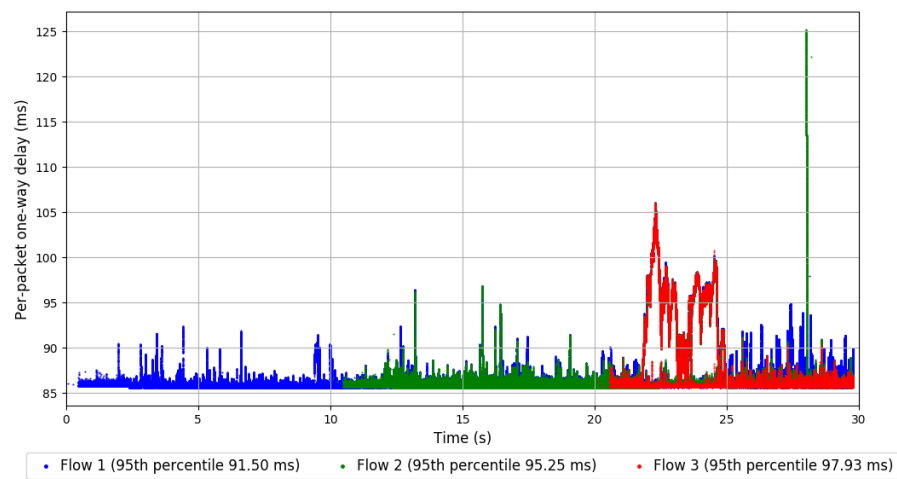
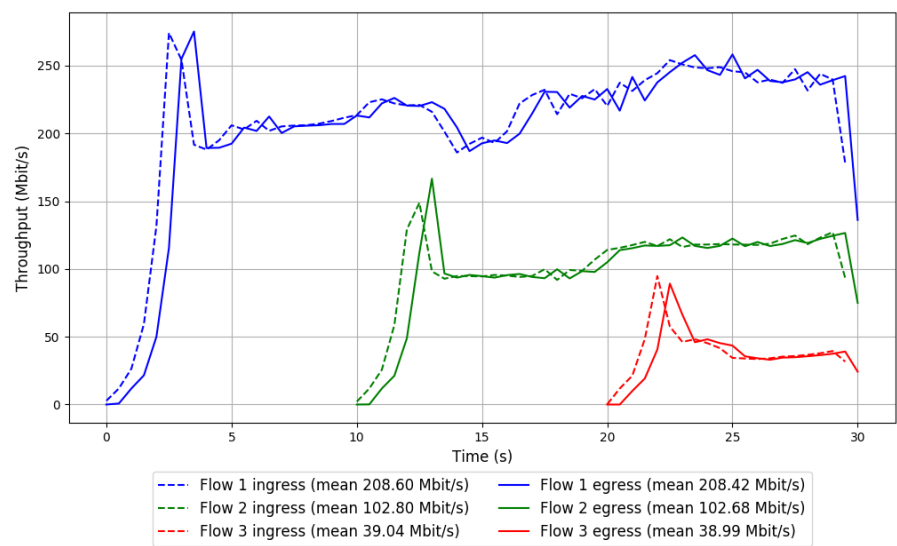


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-01 17:54:46
End at: 2018-08-01 17:55:16
Local clock offset: -0.074 ms
Remote clock offset: 0.047 ms

# Below is generated by plot.py at 2018-08-02 00:17:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 289.18 Mbit/s
95th percentile per-packet one-way delay: 93.765 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 208.42 Mbit/s
95th percentile per-packet one-way delay: 91.500 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 102.68 Mbit/s
95th percentile per-packet one-way delay: 95.248 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 38.99 Mbit/s
95th percentile per-packet one-way delay: 97.927 ms
Loss rate: 1.90%
```


Run 1: Report of PCC-Expr — Data Link

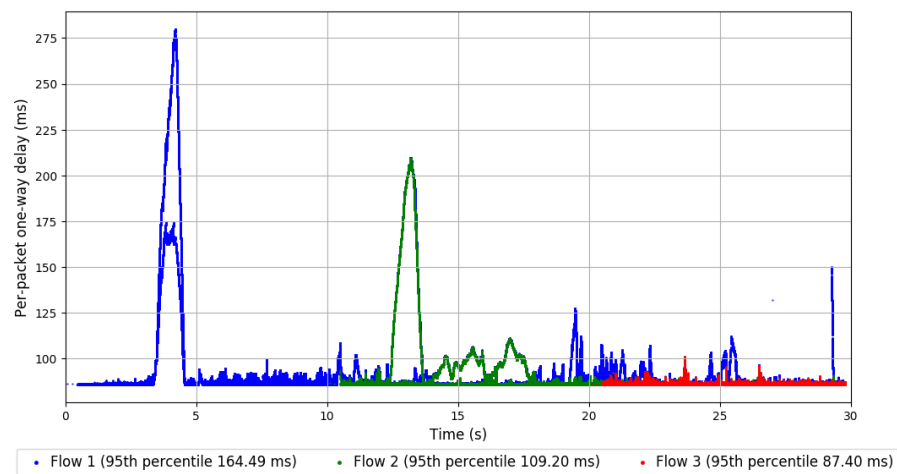
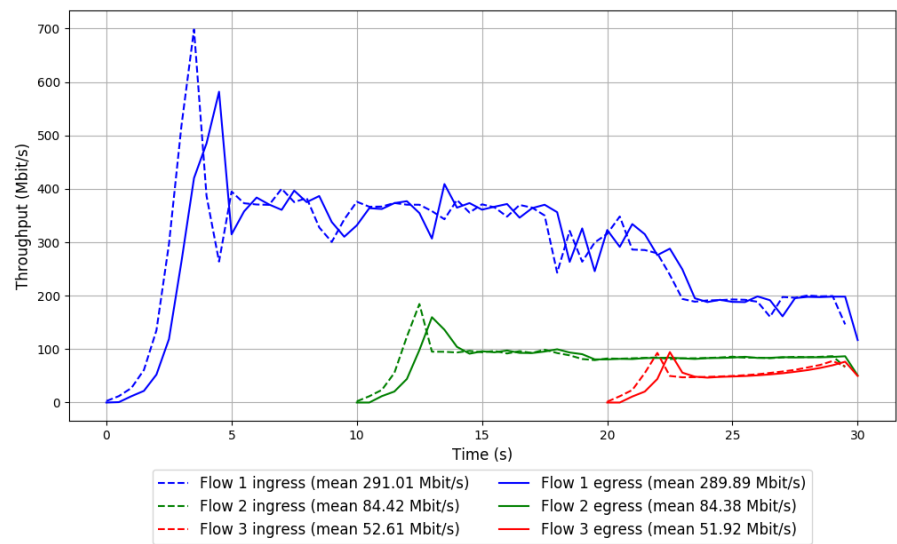


```
Run 2: Statistics of PCC-Expr

Start at: 2018-08-01 18:19:52
End at: 2018-08-01 18:20:22
Local clock offset: 0.182 ms
Remote clock offset: 0.023 ms

# Below is generated by plot.py at 2018-08-02 00:22:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 362.75 Mbit/s
95th percentile per-packet one-way delay: 156.616 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 289.89 Mbit/s
95th percentile per-packet one-way delay: 164.490 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 84.38 Mbit/s
95th percentile per-packet one-way delay: 109.200 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 51.92 Mbit/s
95th percentile per-packet one-way delay: 87.399 ms
Loss rate: 3.04%
```

Run 2: Report of PCC-Expr — Data Link

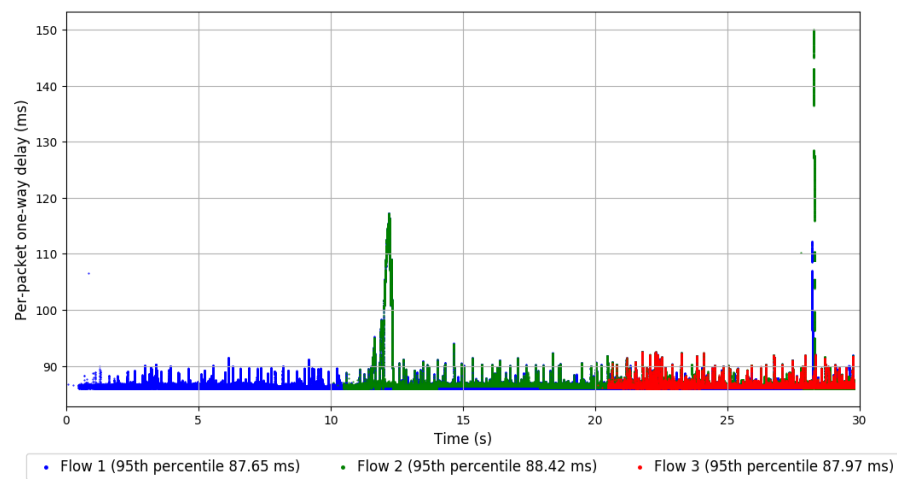
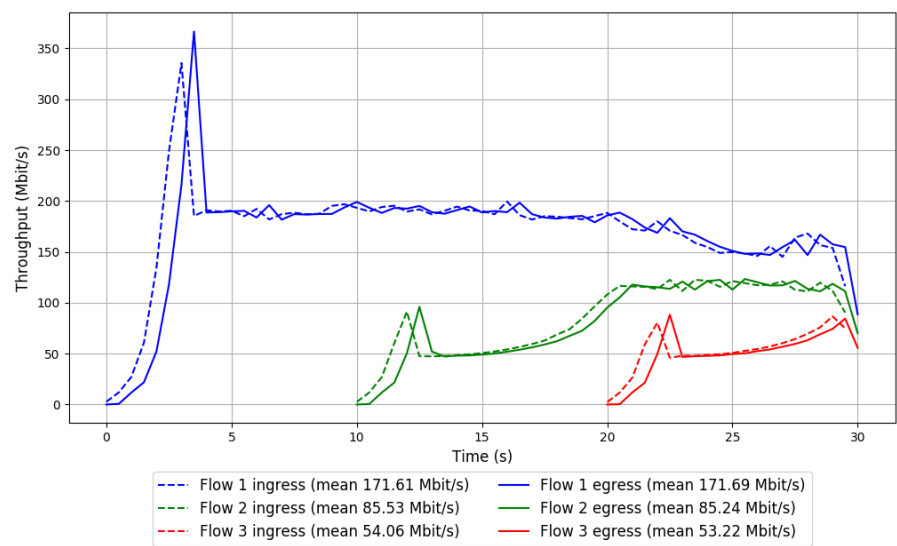


Run 3: Statistics of PCC-Expr

Start at: 2018-08-01 18:45:05
End at: 2018-08-01 18:45:35
Local clock offset: 0.321 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-08-02 00:22:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 245.57 Mbit/s
95th percentile per-packet one-way delay: 87.844 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 171.69 Mbit/s
95th percentile per-packet one-way delay: 87.651 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 85.24 Mbit/s
95th percentile per-packet one-way delay: 88.421 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 53.22 Mbit/s
95th percentile per-packet one-way delay: 87.969 ms
Loss rate: 3.28%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-08-01 19:10:20

End at: 2018-08-01 19:10:50

Local clock offset: -0.032 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-08-02 00:22:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 163.06 Mbit/s

95th percentile per-packet one-way delay: 106.624 ms

Loss rate: 1.09%

-- Flow 1:

Average throughput: 117.15 Mbit/s

95th percentile per-packet one-way delay: 100.968 ms

Loss rate: 0.71%

-- Flow 2:

Average throughput: 40.51 Mbit/s

95th percentile per-packet one-way delay: 117.357 ms

Loss rate: 1.49%

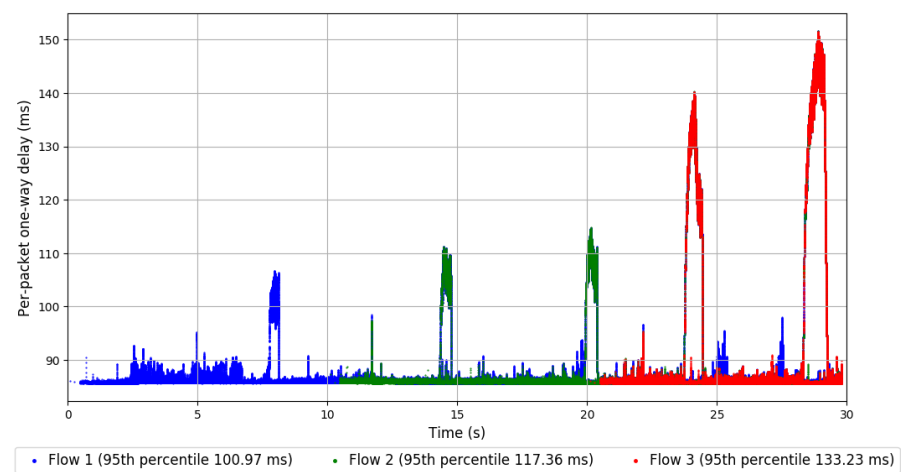
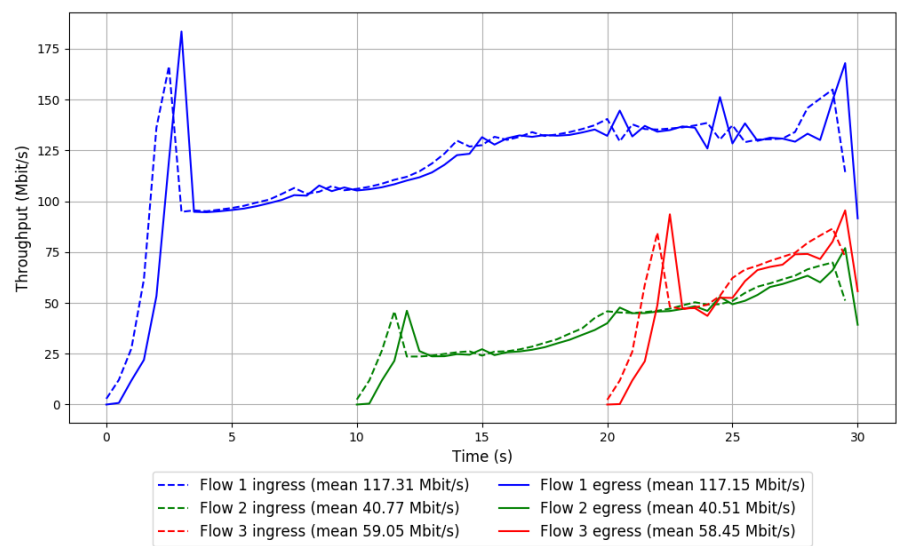
-- Flow 3:

Average throughput: 58.45 Mbit/s

95th percentile per-packet one-way delay: 133.232 ms

Loss rate: 2.76%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-08-01 19:35:24

End at: 2018-08-01 19:35:54

Local clock offset: 0.116 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-08-02 00:22:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 281.53 Mbit/s

95th percentile per-packet one-way delay: 90.963 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 212.13 Mbit/s

95th percentile per-packet one-way delay: 91.366 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 79.21 Mbit/s

95th percentile per-packet one-way delay: 90.382 ms

Loss rate: 1.32%

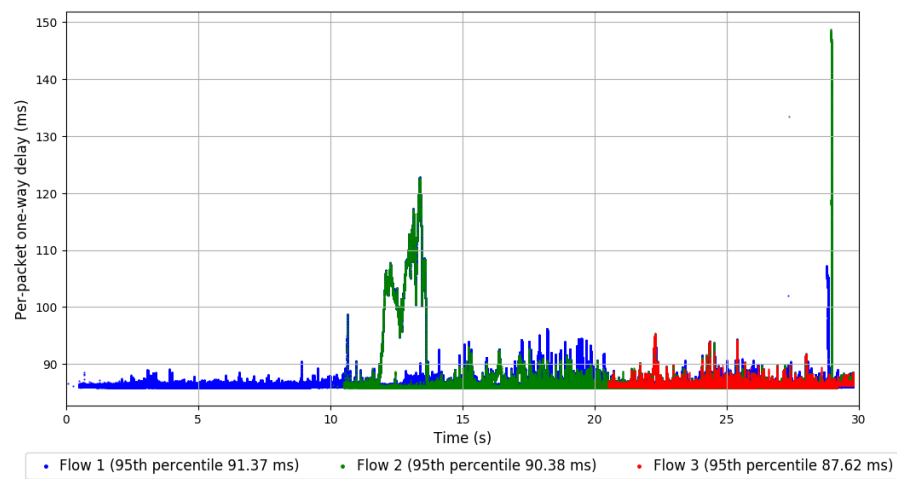
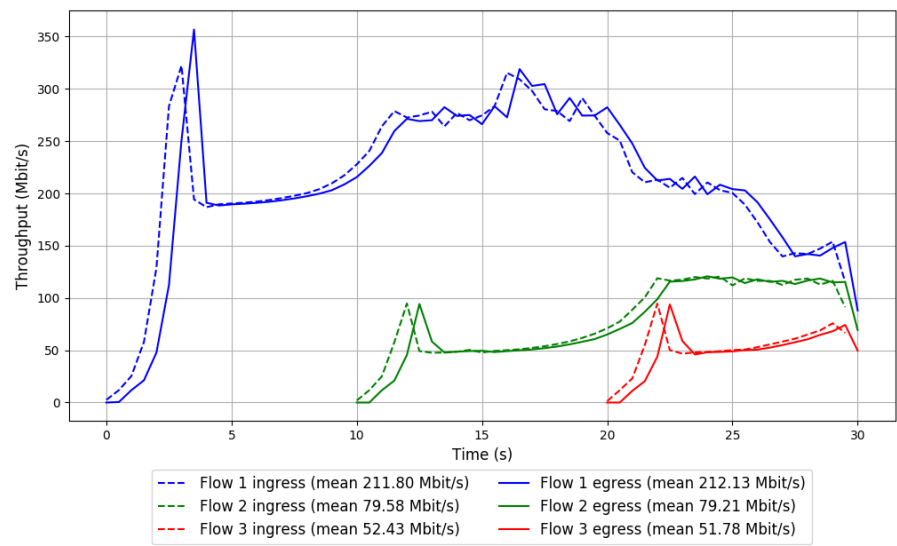
-- Flow 3:

Average throughput: 51.78 Mbit/s

95th percentile per-packet one-way delay: 87.620 ms

Loss rate: 2.97%

Run 5: Report of PCC-Expr — Data Link

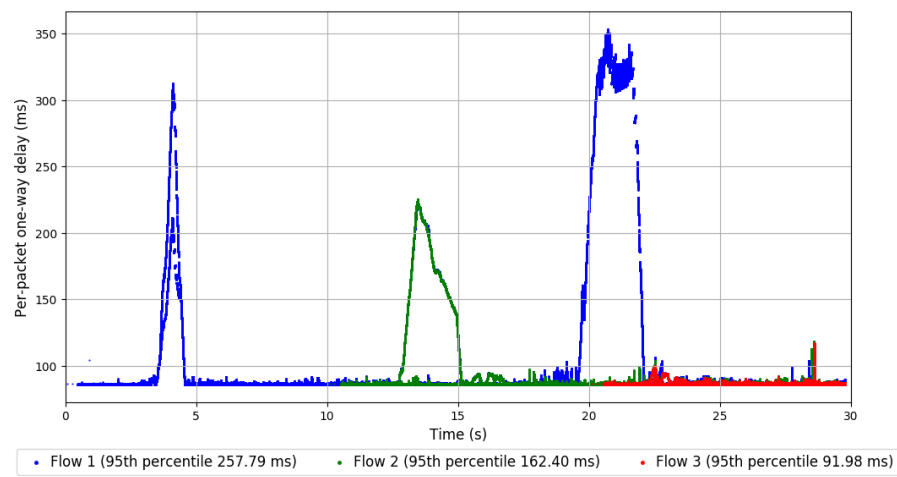
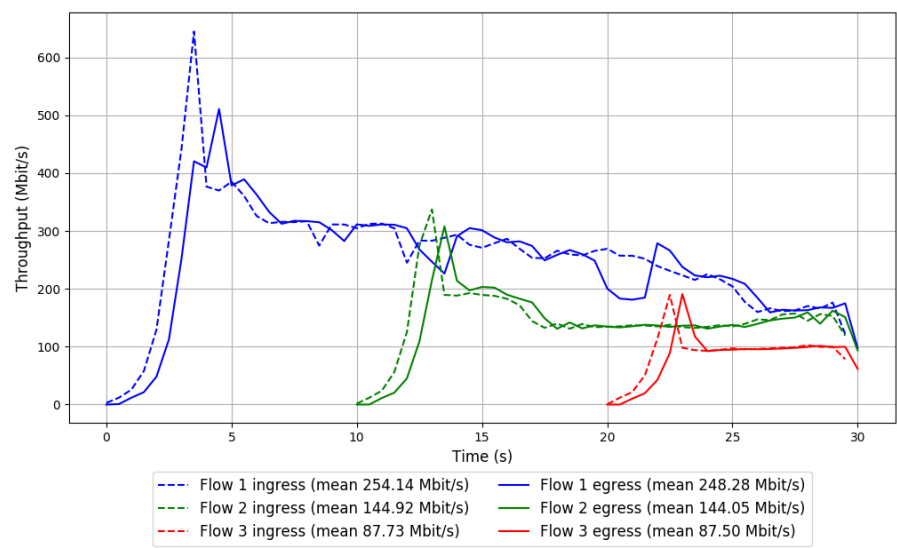


Run 6: Statistics of PCC-Expr

Start at: 2018-08-01 20:00:26
End at: 2018-08-01 20:00:56
Local clock offset: 0.278 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-08-02 00:27:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 372.31 Mbit/s
95th percentile per-packet one-way delay: 208.348 ms
Loss rate: 2.45%
-- Flow 1:
Average throughput: 248.28 Mbit/s
95th percentile per-packet one-way delay: 257.785 ms
Loss rate: 2.87%
-- Flow 2:
Average throughput: 144.05 Mbit/s
95th percentile per-packet one-way delay: 162.401 ms
Loss rate: 1.47%
-- Flow 3:
Average throughput: 87.50 Mbit/s
95th percentile per-packet one-way delay: 91.977 ms
Loss rate: 2.03%

Run 6: Report of PCC-Expr — Data Link

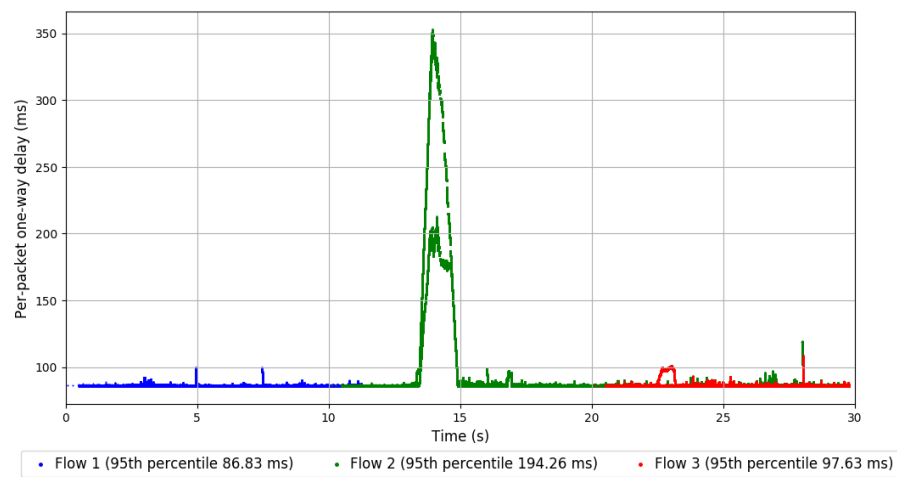
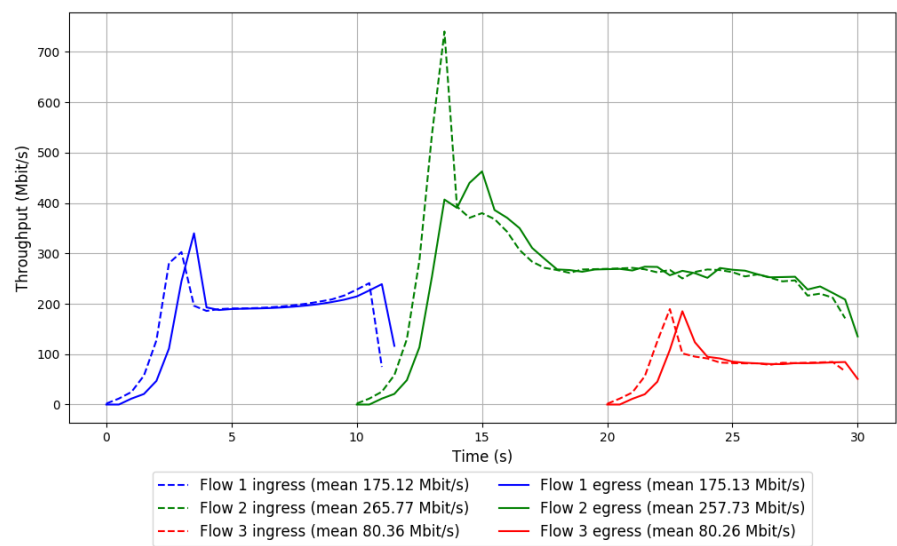


Run 7: Statistics of PCC-Expr

Start at: 2018-08-01 20:25:55
End at: 2018-08-01 20:26:25
Local clock offset: 0.188 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-08-02 00:27:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 262.92 Mbit/s
95th percentile per-packet one-way delay: 176.245 ms
Loss rate: 2.73%
-- Flow 1:
Average throughput: 175.13 Mbit/s
95th percentile per-packet one-way delay: 86.828 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 257.73 Mbit/s
95th percentile per-packet one-way delay: 194.265 ms
Loss rate: 3.87%
-- Flow 3:
Average throughput: 80.26 Mbit/s
95th percentile per-packet one-way delay: 97.629 ms
Loss rate: 1.88%

Run 7: Report of PCC-Expr — Data Link

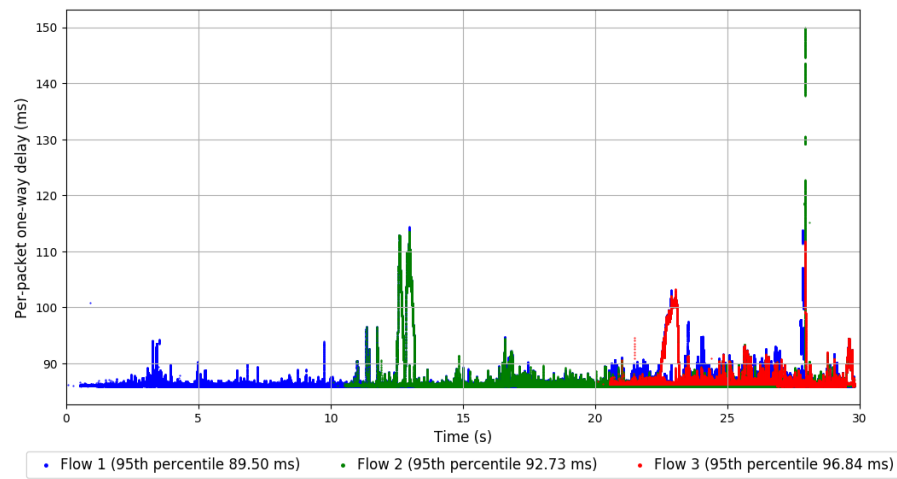
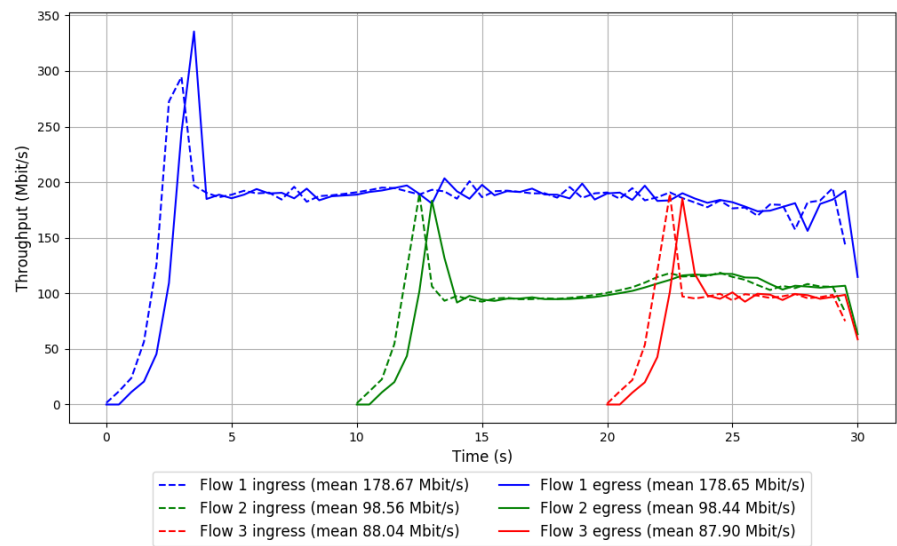


Run 8: Statistics of PCC-Expr

Start at: 2018-08-01 20:51:32
End at: 2018-08-01 20:52:02
Local clock offset: 0.128 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-08-02 00:27:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 272.58 Mbit/s
95th percentile per-packet one-way delay: 90.470 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 178.65 Mbit/s
95th percentile per-packet one-way delay: 89.497 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 98.44 Mbit/s
95th percentile per-packet one-way delay: 92.734 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 87.90 Mbit/s
95th percentile per-packet one-way delay: 96.838 ms
Loss rate: 1.94%

Run 8: Report of PCC-Expr — Data Link

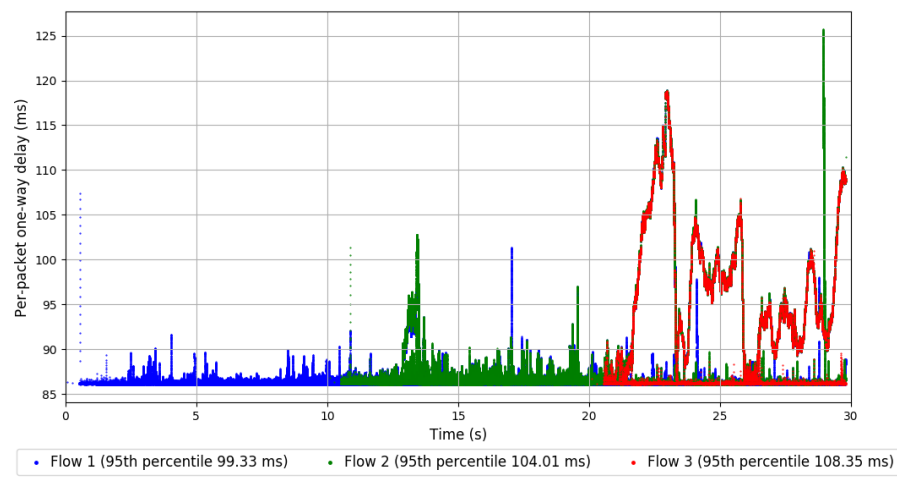
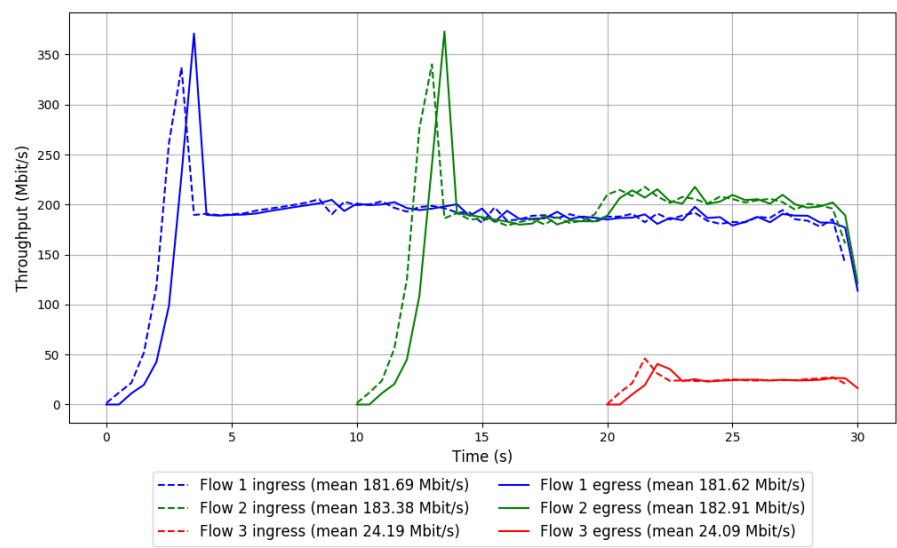


Run 9: Statistics of PCC-Expr

Start at: 2018-08-01 21:18:20
End at: 2018-08-01 21:18:50
Local clock offset: 0.219 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-08-02 00:29:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 310.76 Mbit/s
95th percentile per-packet one-way delay: 101.802 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 181.62 Mbit/s
95th percentile per-packet one-way delay: 99.333 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 182.91 Mbit/s
95th percentile per-packet one-way delay: 104.011 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 24.09 Mbit/s
95th percentile per-packet one-way delay: 108.347 ms
Loss rate: 2.16%

Run 9: Report of PCC-Expr — Data Link

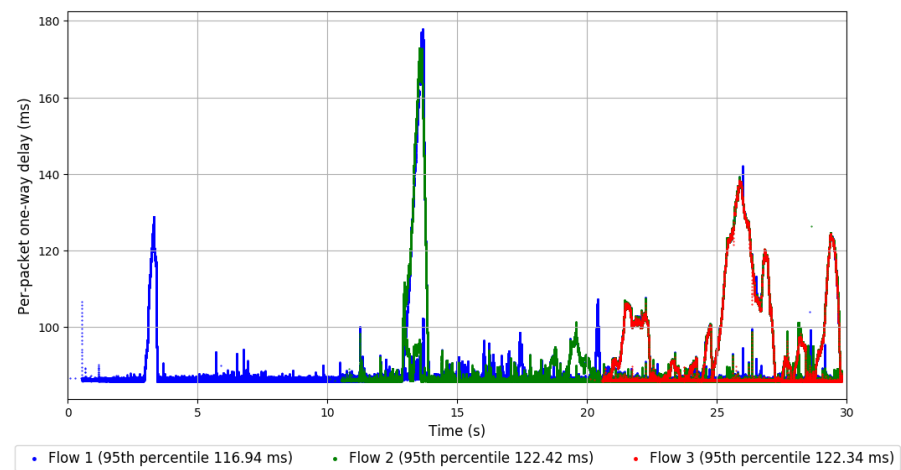
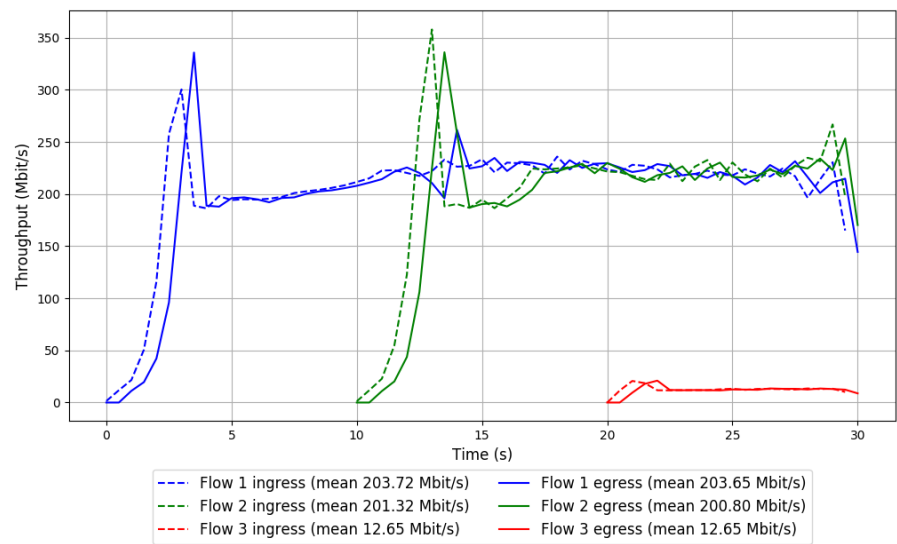


Run 10: Statistics of PCC-Expr

Start at: 2018-08-01 21:45:15
End at: 2018-08-01 21:45:45
Local clock offset: 0.051 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-08-02 00:31:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 340.93 Mbit/s
95th percentile per-packet one-way delay: 118.568 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 203.65 Mbit/s
95th percentile per-packet one-way delay: 116.937 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 200.80 Mbit/s
95th percentile per-packet one-way delay: 122.425 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 12.65 Mbit/s
95th percentile per-packet one-way delay: 122.339 ms
Loss rate: 1.84%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-08-01 18:05:48

End at: 2018-08-01 18:06:18

Local clock offset: 0.221 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-08-02 00:31:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.85 Mbit/s

95th percentile per-packet one-way delay: 86.551 ms

Loss rate: 1.17%

-- Flow 1:

Average throughput: 42.90 Mbit/s

95th percentile per-packet one-way delay: 86.247 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 45.62 Mbit/s

95th percentile per-packet one-way delay: 86.562 ms

Loss rate: 1.22%

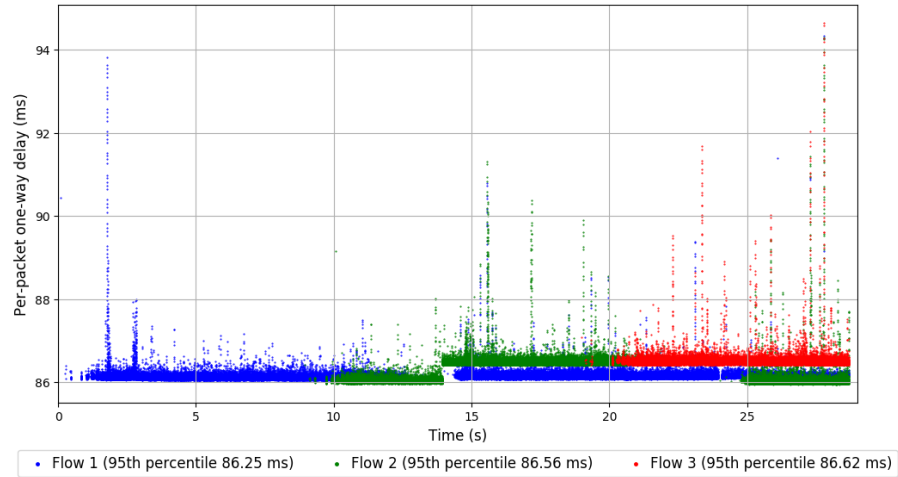
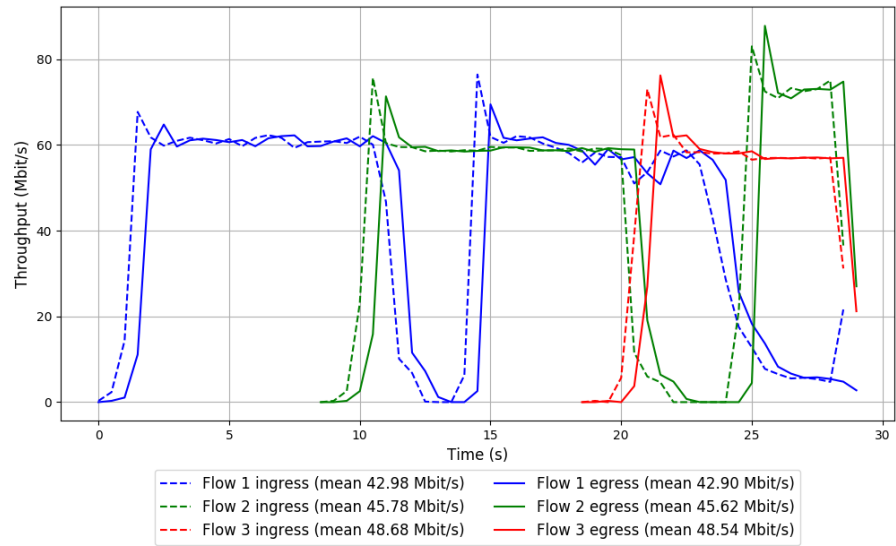
-- Flow 3:

Average throughput: 48.54 Mbit/s

95th percentile per-packet one-way delay: 86.616 ms

Loss rate: 2.06%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-08-01 18:31:03

End at: 2018-08-01 18:31:33

Local clock offset: 0.144 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-08-02 00:31:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.87 Mbit/s

95th percentile per-packet one-way delay: 86.410 ms

Loss rate: 0.82%

-- Flow 1:

Average throughput: 44.65 Mbit/s

95th percentile per-packet one-way delay: 86.027 ms

Loss rate: 0.76%

-- Flow 2:

Average throughput: 44.77 Mbit/s

95th percentile per-packet one-way delay: 86.139 ms

Loss rate: 1.14%

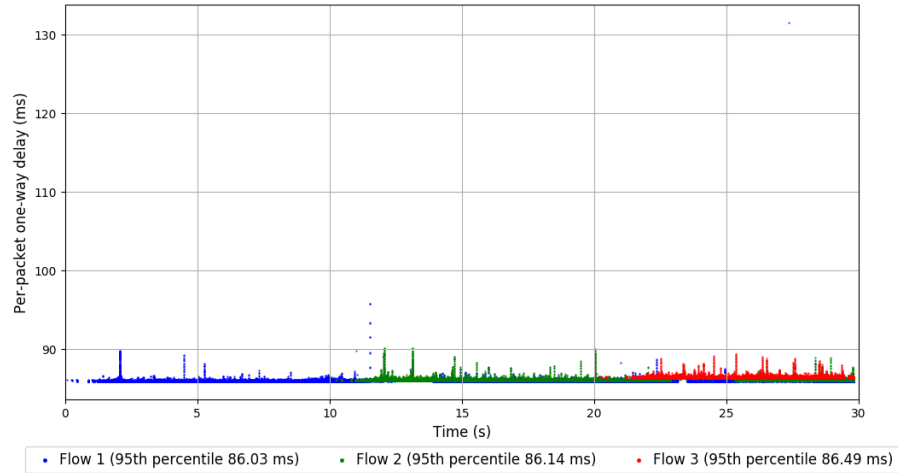
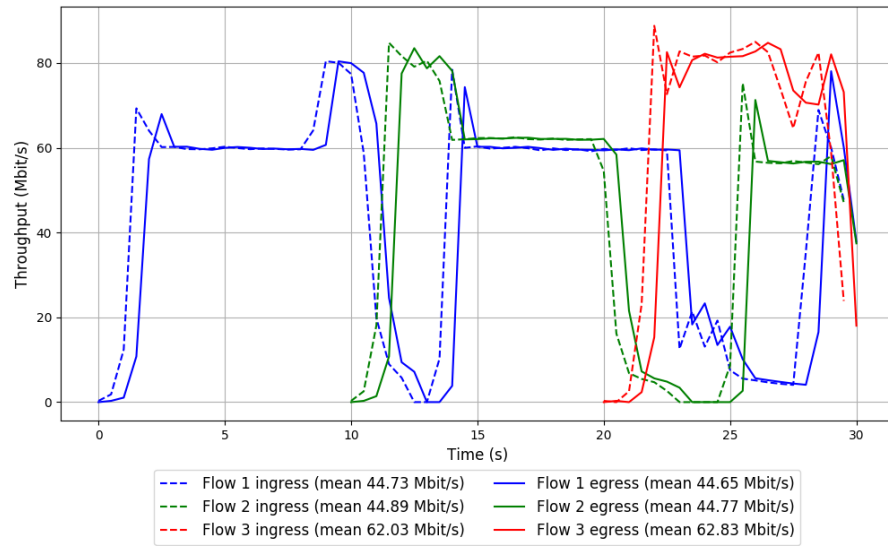
-- Flow 3:

Average throughput: 62.83 Mbit/s

95th percentile per-packet one-way delay: 86.488 ms

Loss rate: 0.48%

Run 2: Report of QUIC Cubic — Data Link

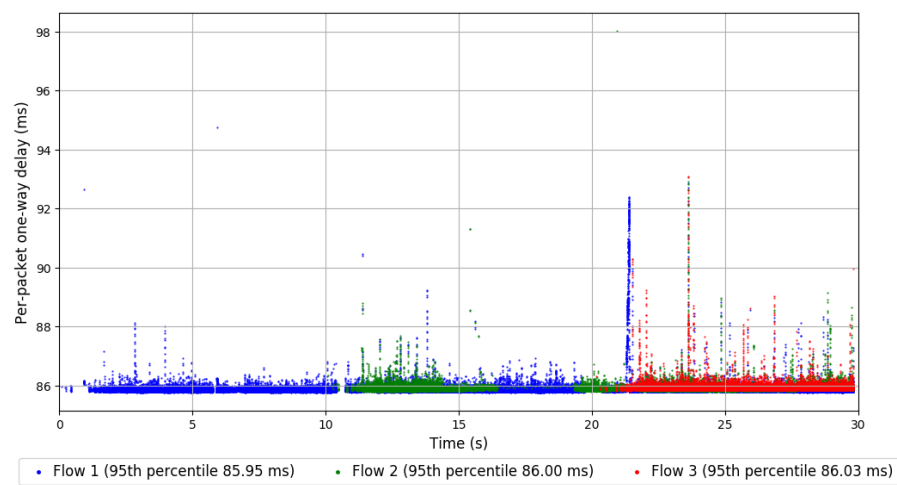
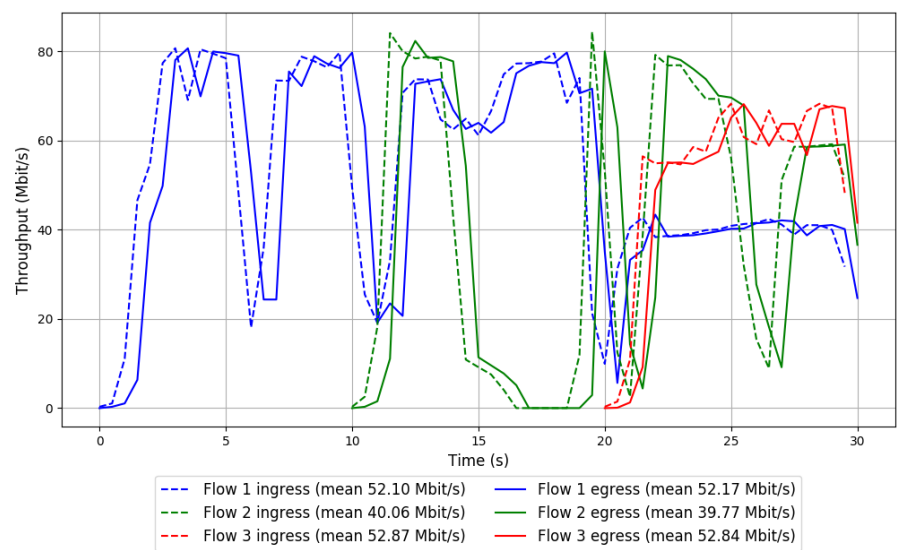


Run 3: Statistics of QUIC Cubic

Start at: 2018-08-01 18:56:11
End at: 2018-08-01 18:56:41
Local clock offset: -0.011 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-08-02 00:31:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.71 Mbit/s
95th percentile per-packet one-way delay: 85.989 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 52.17 Mbit/s
95th percentile per-packet one-way delay: 85.948 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 39.77 Mbit/s
95th percentile per-packet one-way delay: 86.001 ms
Loss rate: 1.58%
-- Flow 3:
Average throughput: 52.84 Mbit/s
95th percentile per-packet one-way delay: 86.031 ms
Loss rate: 1.77%

Run 3: Report of QUIC Cubic — Data Link

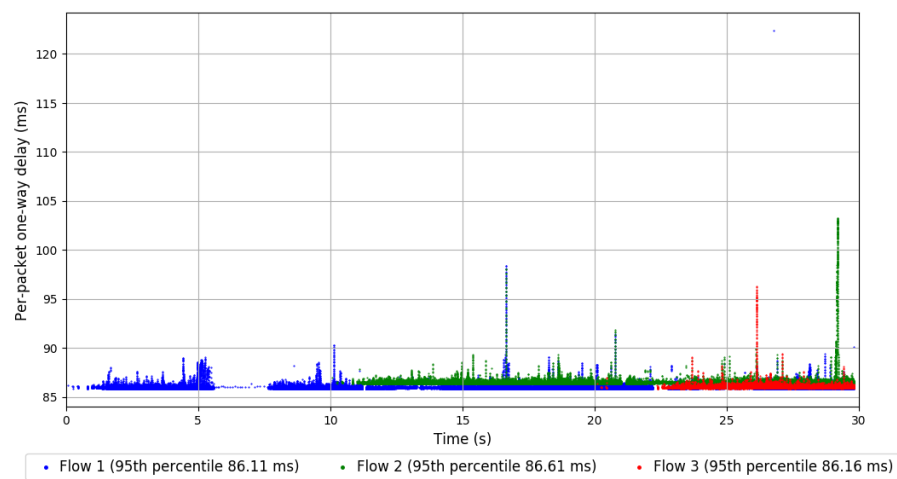
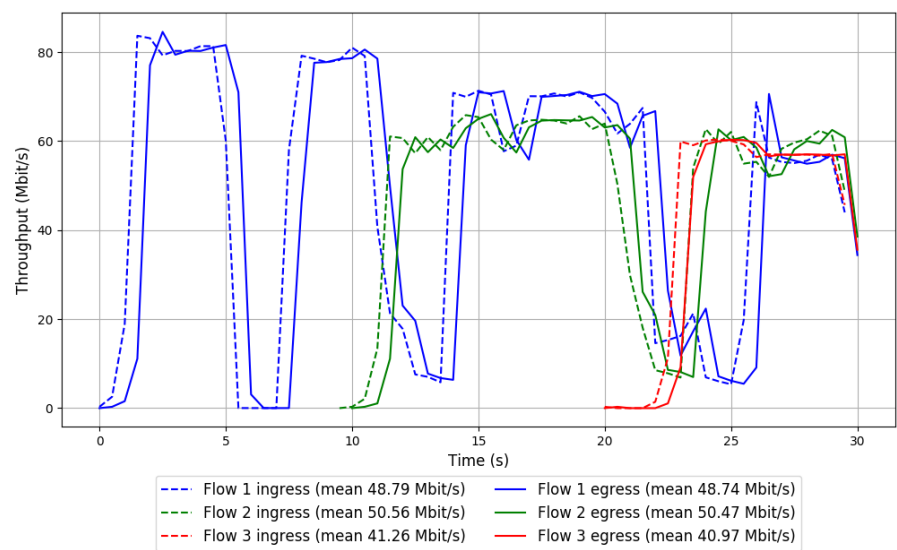


Run 4: Statistics of QUIC Cubic

Start at: 2018-08-01 19:21:16
End at: 2018-08-01 19:21:46
Local clock offset: 0.11 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-08-02 00:31:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.62 Mbit/s
95th percentile per-packet one-way delay: 86.507 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 48.74 Mbit/s
95th percentile per-packet one-way delay: 86.107 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 50.47 Mbit/s
95th percentile per-packet one-way delay: 86.607 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 40.97 Mbit/s
95th percentile per-packet one-way delay: 86.157 ms
Loss rate: 2.44%

Run 4: Report of QUIC Cubic — Data Link

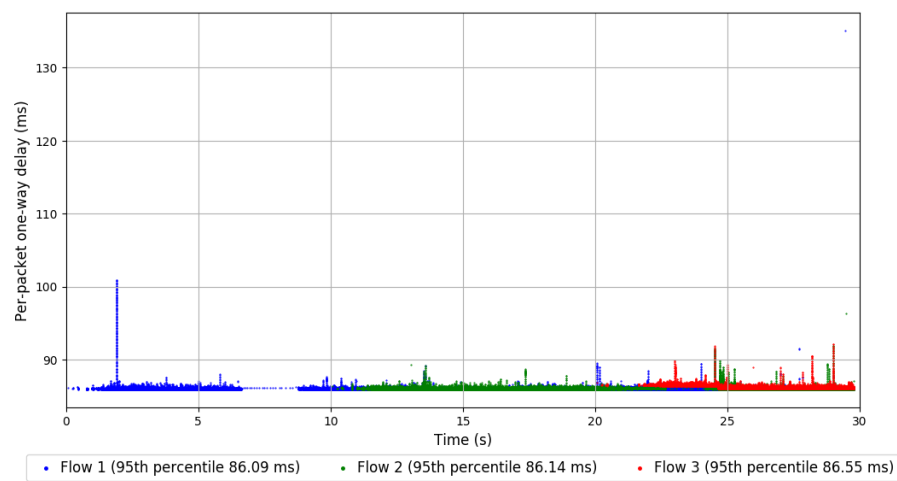
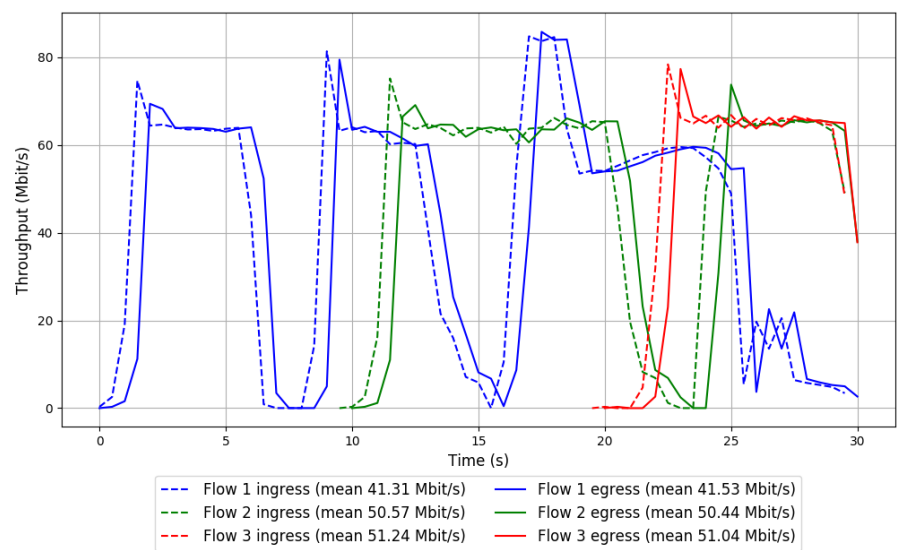


Run 5: Statistics of QUIC Cubic

Start at: 2018-08-01 19:46:28
End at: 2018-08-01 19:46:58
Local clock offset: 0.164 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-08-02 00:31:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.69 Mbit/s
95th percentile per-packet one-way delay: 86.453 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 41.53 Mbit/s
95th percentile per-packet one-way delay: 86.095 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 50.44 Mbit/s
95th percentile per-packet one-way delay: 86.142 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 51.04 Mbit/s
95th percentile per-packet one-way delay: 86.549 ms
Loss rate: 2.15%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-08-01 20:11:43

End at: 2018-08-01 20:12:13

Local clock offset: 0.238 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-08-02 00:31:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.48 Mbit/s

95th percentile per-packet one-way delay: 86.262 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 49.48 Mbit/s

95th percentile per-packet one-way delay: 86.165 ms

Loss rate: 1.00%

-- Flow 2:

Average throughput: 34.66 Mbit/s

95th percentile per-packet one-way delay: 86.326 ms

Loss rate: 0.60%

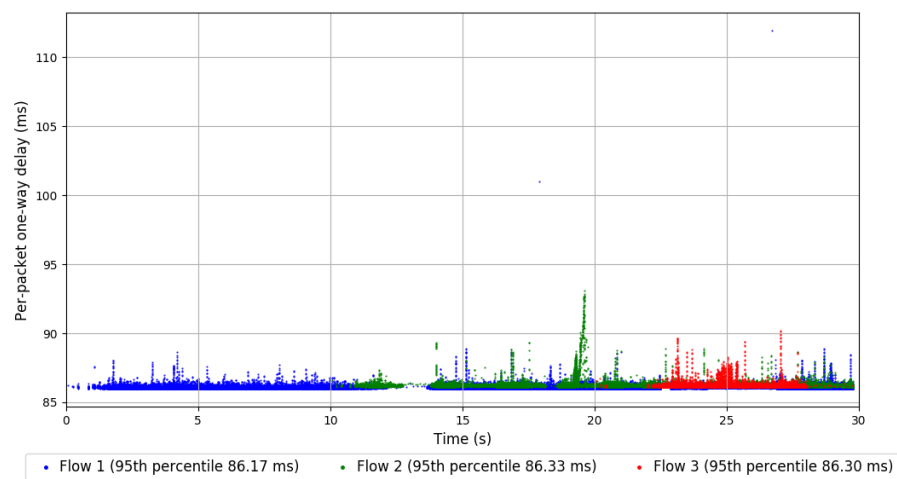
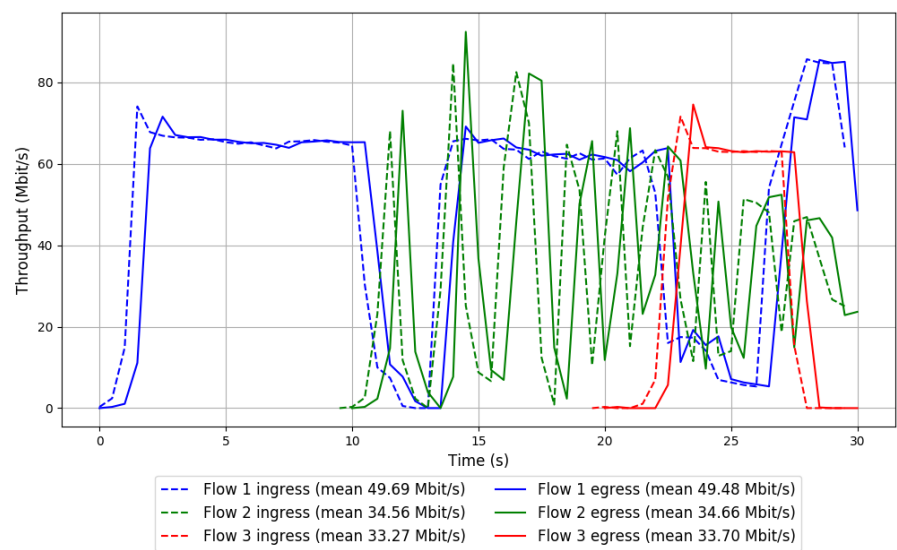
-- Flow 3:

Average throughput: 33.70 Mbit/s

95th percentile per-packet one-way delay: 86.301 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-08-01 20:37:05

End at: 2018-08-01 20:37:35

Local clock offset: 0.13 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-08-02 00:31:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 105.15 Mbit/s

95th percentile per-packet one-way delay: 86.377 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 57.19 Mbit/s

95th percentile per-packet one-way delay: 86.133 ms

Loss rate: 0.80%

-- Flow 2:

Average throughput: 55.67 Mbit/s

95th percentile per-packet one-way delay: 86.150 ms

Loss rate: 0.93%

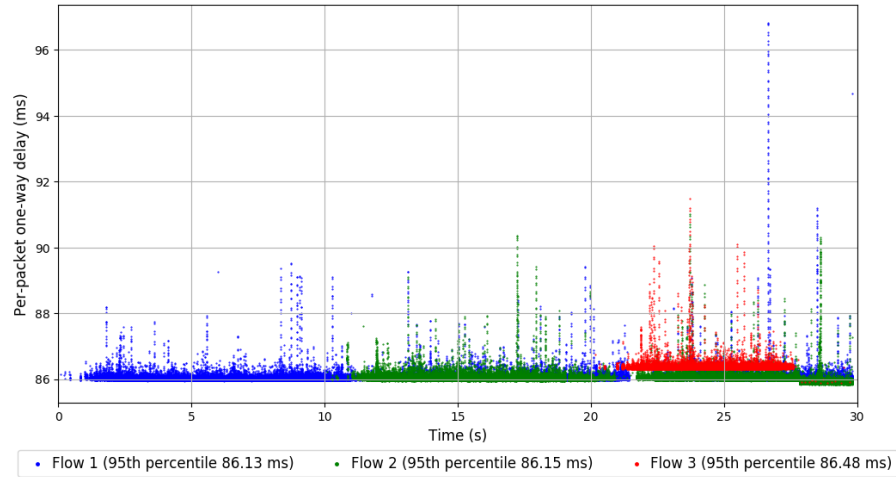
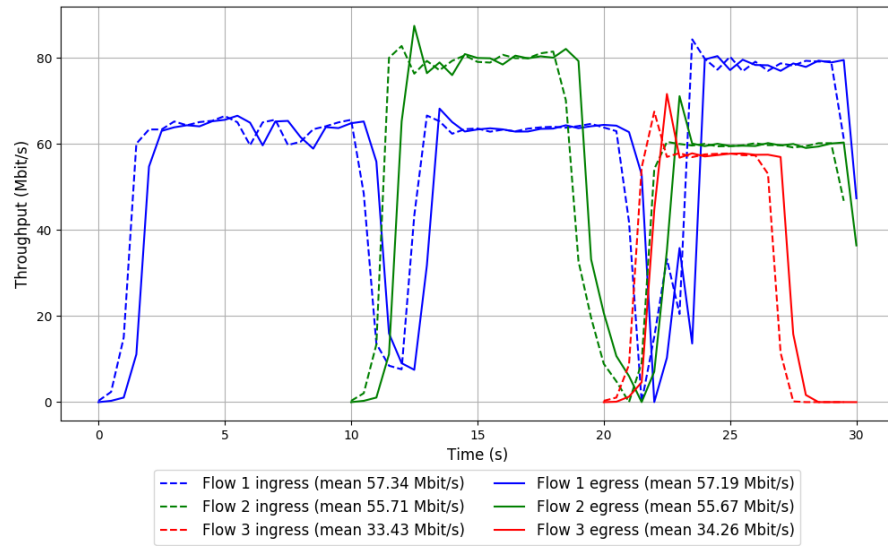
-- Flow 3:

Average throughput: 34.26 Mbit/s

95th percentile per-packet one-way delay: 86.485 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

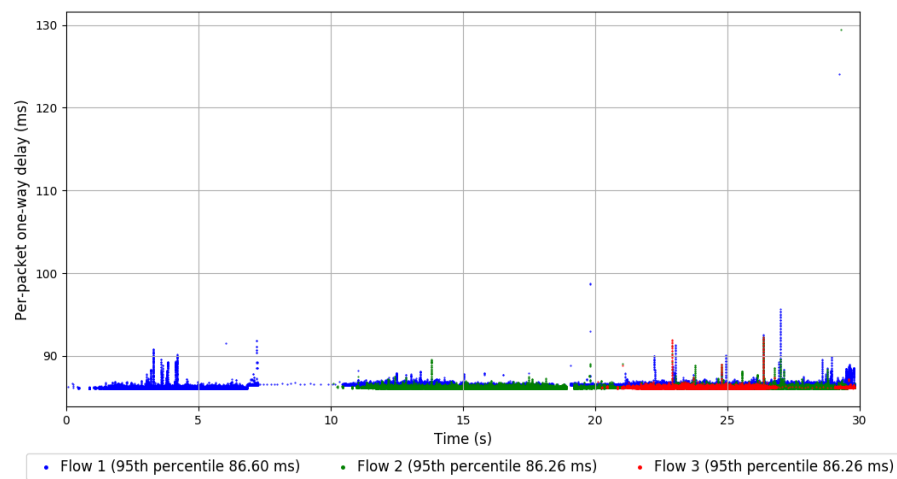
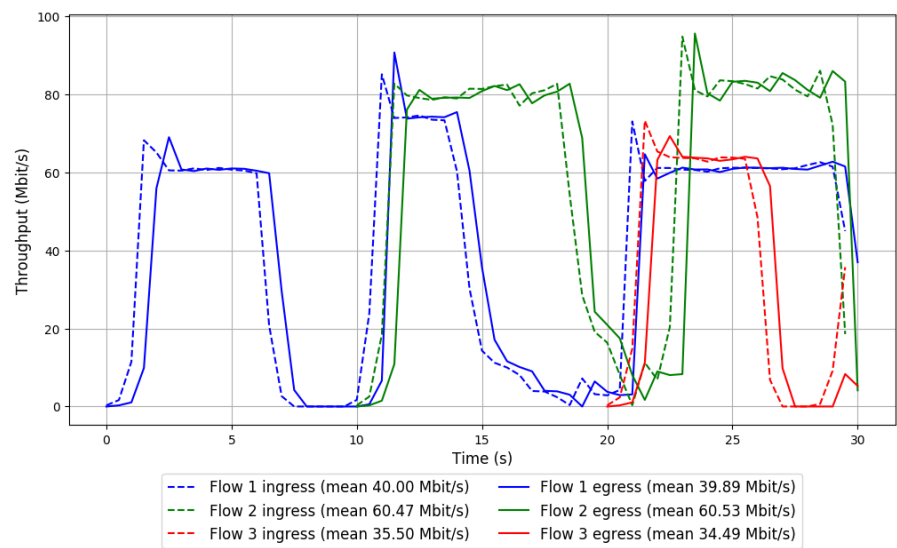


Run 8: Statistics of QUIC Cubic

Start at: 2018-08-01 21:03:42
End at: 2018-08-01 21:04:12
Local clock offset: 0.215 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-08-02 00:31:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.32 Mbit/s
95th percentile per-packet one-way delay: 86.536 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 39.89 Mbit/s
95th percentile per-packet one-way delay: 86.598 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 60.53 Mbit/s
95th percentile per-packet one-way delay: 86.264 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 34.49 Mbit/s
95th percentile per-packet one-way delay: 86.261 ms
Loss rate: 4.55%

Run 8: Report of QUIC Cubic — Data Link

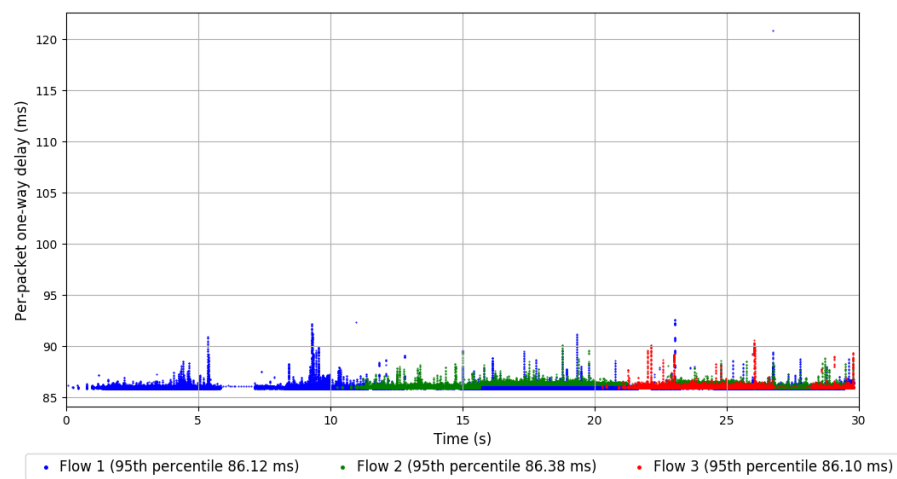
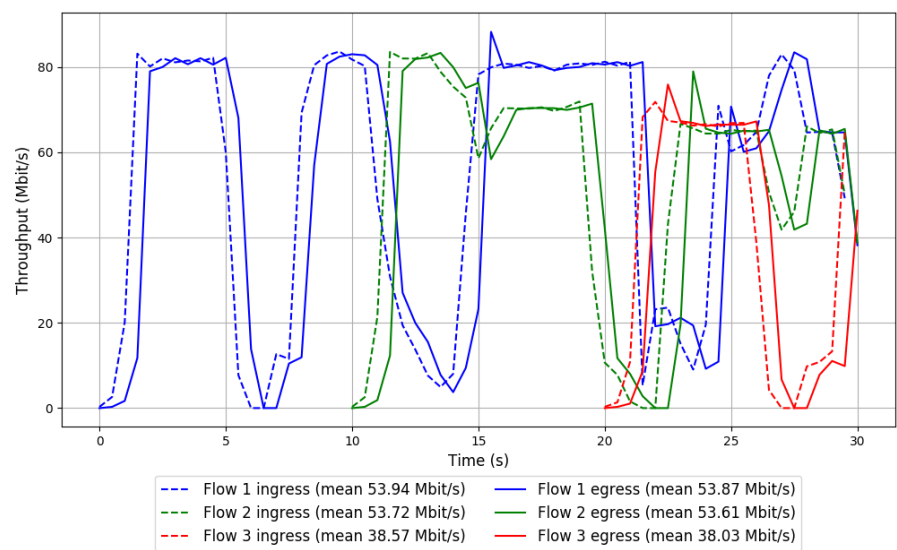


Run 9: Statistics of QUIC Cubic

Start at: 2018-08-01 21:30:53
End at: 2018-08-01 21:31:23
Local clock offset: -0.017 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2018-08-02 00:31:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 101.85 Mbit/s
95th percentile per-packet one-way delay: 86.345 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 53.87 Mbit/s
95th percentile per-packet one-way delay: 86.116 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 53.61 Mbit/s
95th percentile per-packet one-way delay: 86.380 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 38.03 Mbit/s
95th percentile per-packet one-way delay: 86.101 ms
Loss rate: 3.12%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-01 21:56:35

End at: 2018-08-01 21:57:05

Local clock offset: 0.235 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-08-02 00:31:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.51 Mbit/s

95th percentile per-packet one-way delay: 86.626 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 41.36 Mbit/s

95th percentile per-packet one-way delay: 86.541 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 40.53 Mbit/s

95th percentile per-packet one-way delay: 86.238 ms

Loss rate: 1.22%

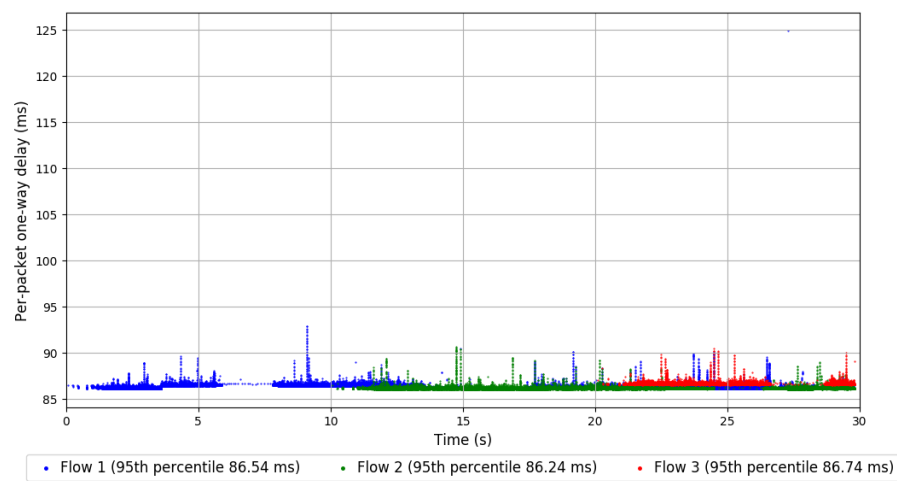
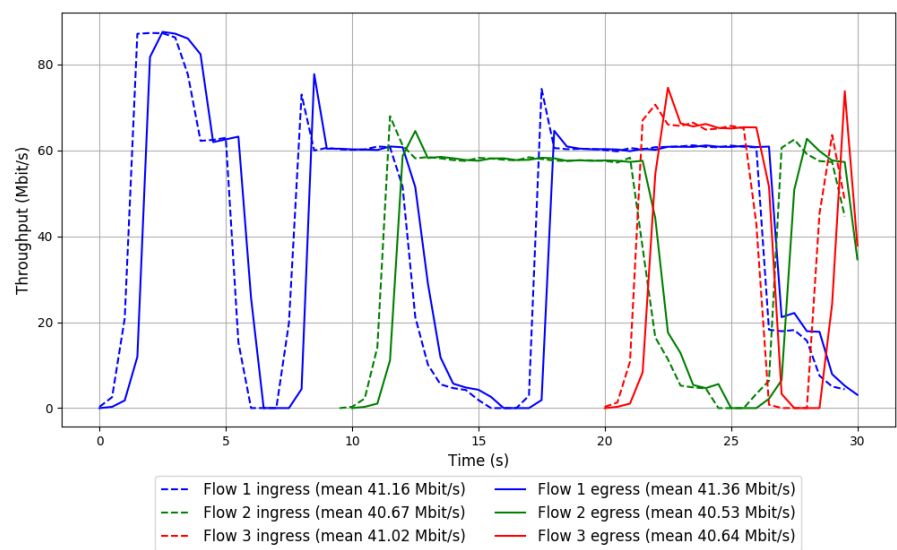
-- Flow 3:

Average throughput: 40.64 Mbit/s

95th percentile per-packet one-way delay: 86.736 ms

Loss rate: 2.64%

Run 10: Report of QUIC Cubic — Data Link

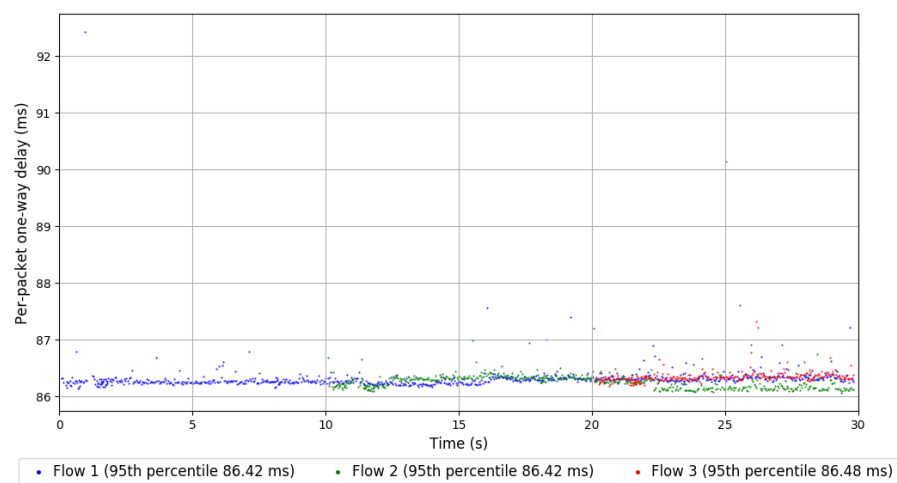
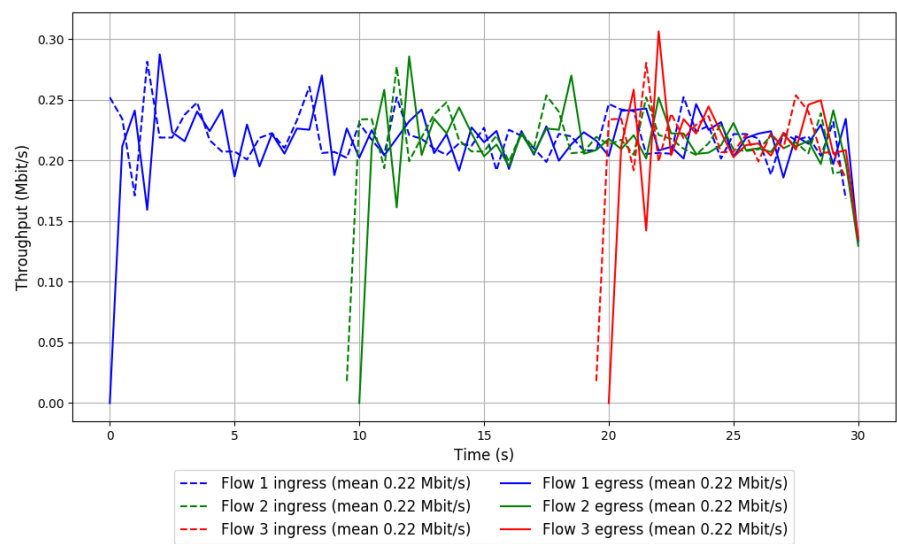


```
Run 1: Statistics of SReAM

Start at: 2018-08-01 18:04:37
End at: 2018-08-01 18:05:07
Local clock offset: 0.246 ms
Remote clock offset: 0.036 ms

# Below is generated by plot.py at 2018-08-02 00:31:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.438 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.421 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.418 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.485 ms
Loss rate: 1.85%
```


Run 1: Report of SReAM — Data Link



Run 2: Statistics of SReAM

Start at: 2018-08-01 18:29:52

End at: 2018-08-01 18:30:22

Local clock offset: 0.227 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-08-02 00:31:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.480 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.588 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.429 ms

Loss rate: 0.82%

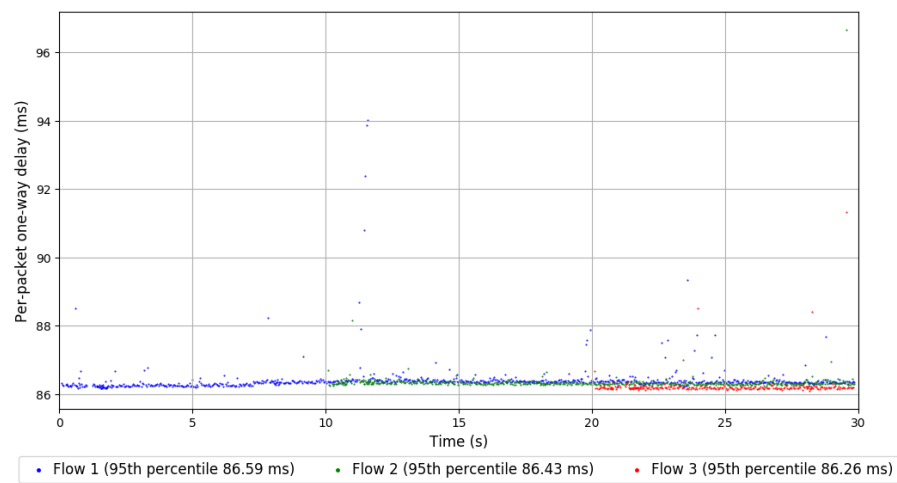
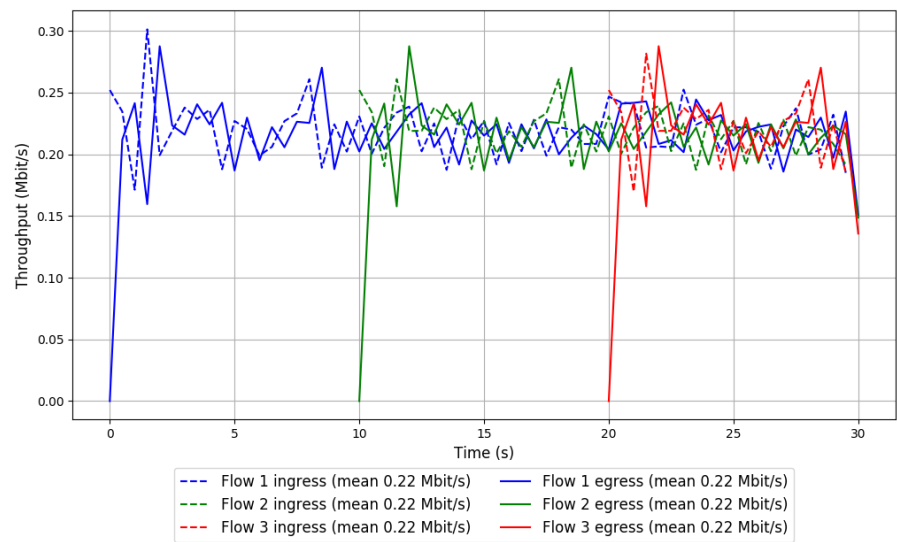
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.264 ms

Loss rate: 1.85%

Run 2: Report of SReAM — Data Link

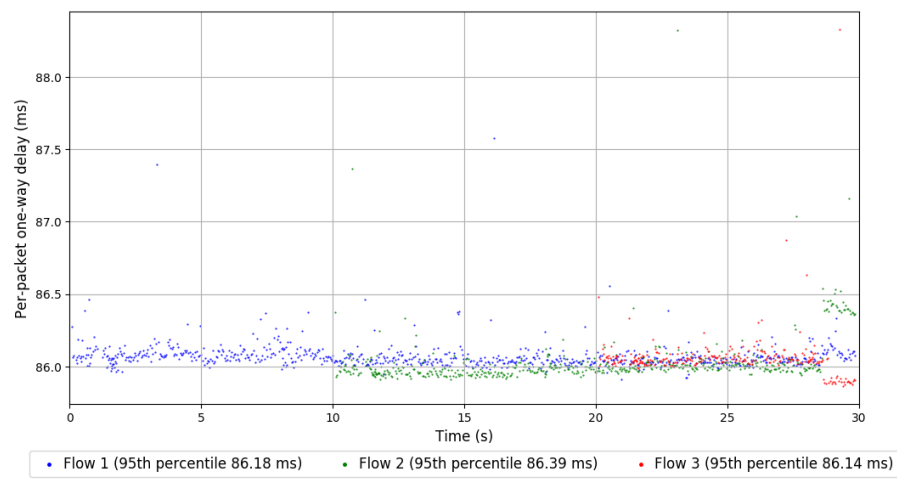
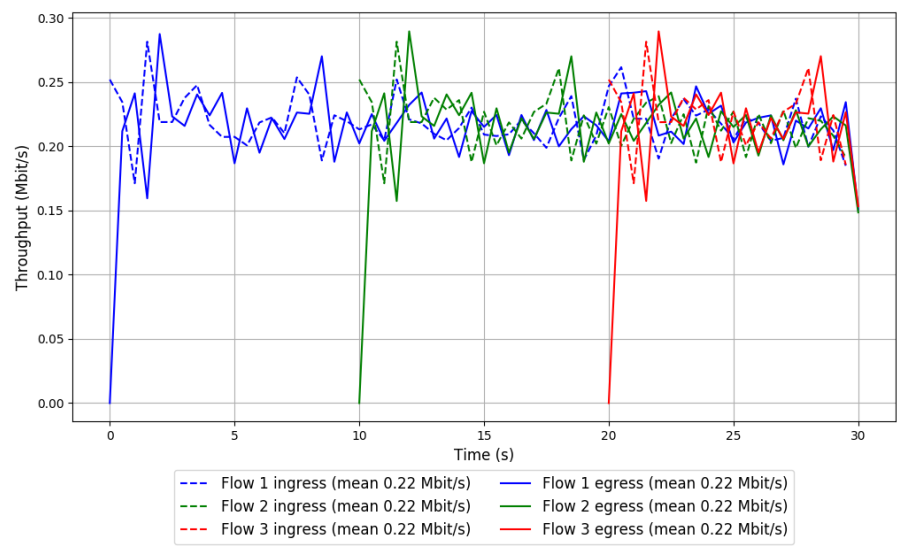


Run 3: Statistics of SReAM

Start at: 2018-08-01 18:55:00
End at: 2018-08-01 18:55:30
Local clock offset: -0.017 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-08-02 00:31:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.207 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.184 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.386 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.143 ms
Loss rate: 1.46%

Run 3: Report of SCReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-08-01 19:20:05

End at: 2018-08-01 19:20:35

Local clock offset: 0.076 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-08-02 00:31:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.650 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.723 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.205 ms

Loss rate: 0.82%

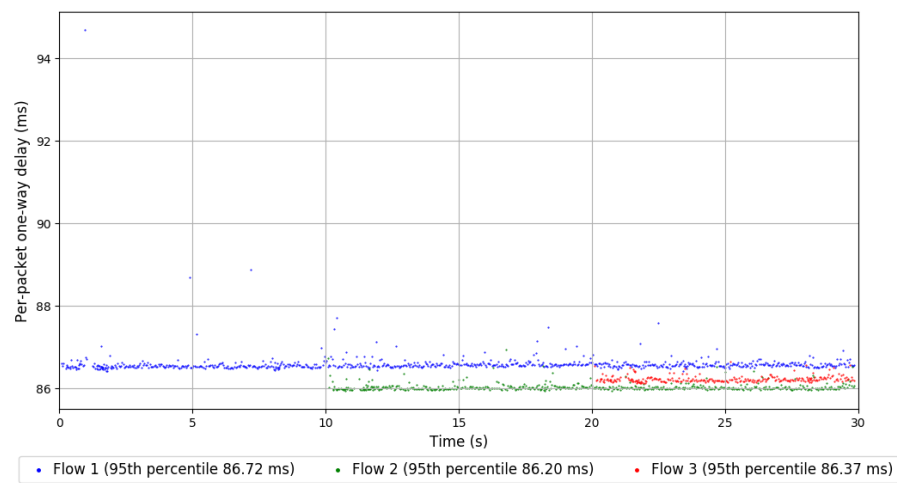
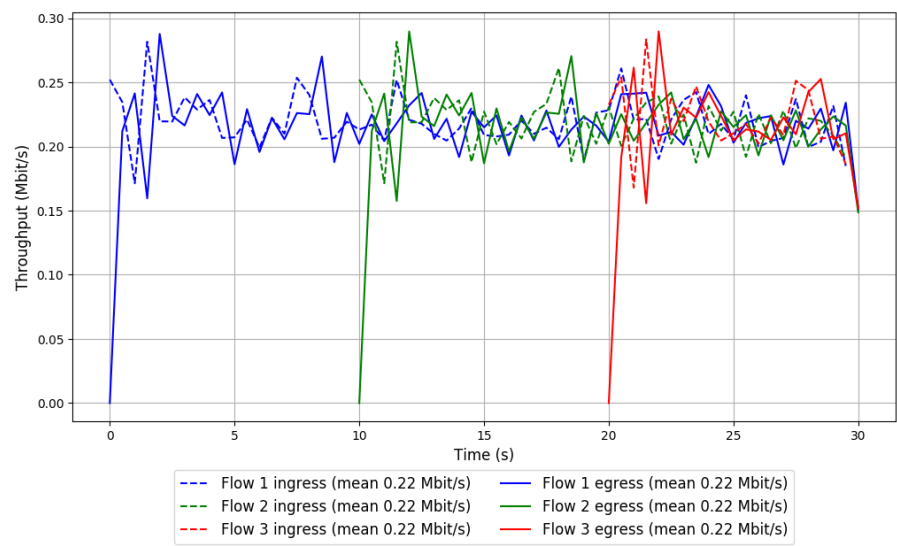
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.374 ms

Loss rate: 1.50%

Run 4: Report of SReAM — Data Link

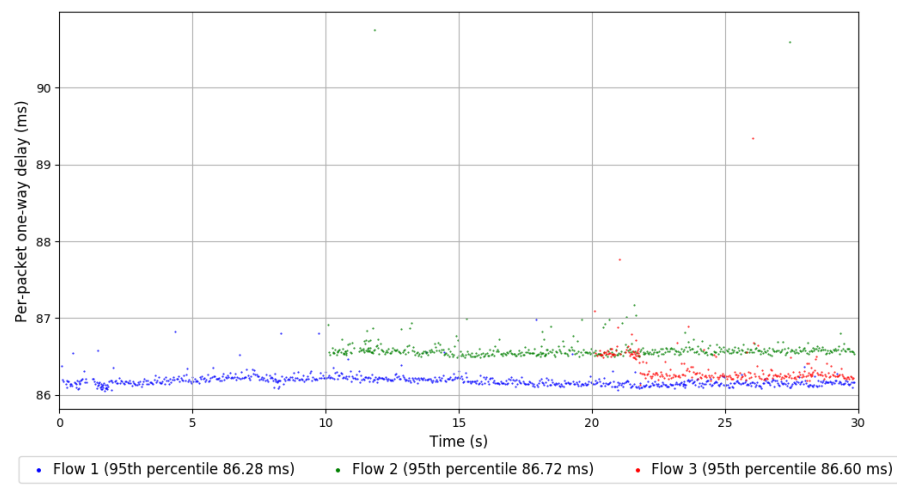
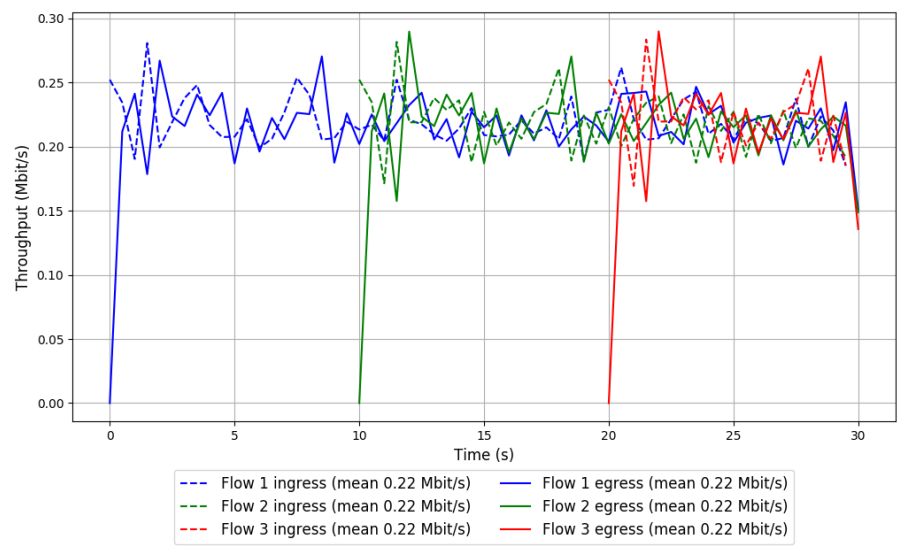


Run 5: Statistics of SReAM

Start at: 2018-08-01 19:45:17
End at: 2018-08-01 19:45:47
Local clock offset: 0.163 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-08-02 00:31:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.631 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.282 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.720 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.602 ms
Loss rate: 1.85%

Run 5: Report of SReAM — Data Link

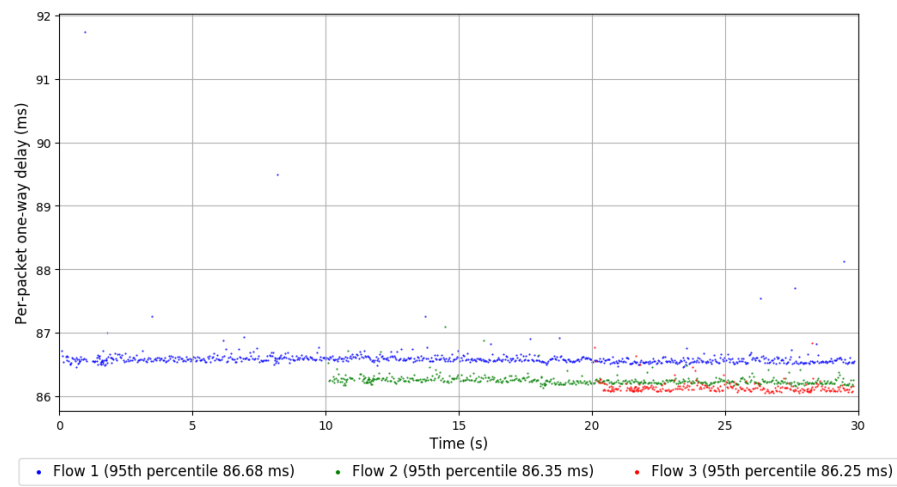
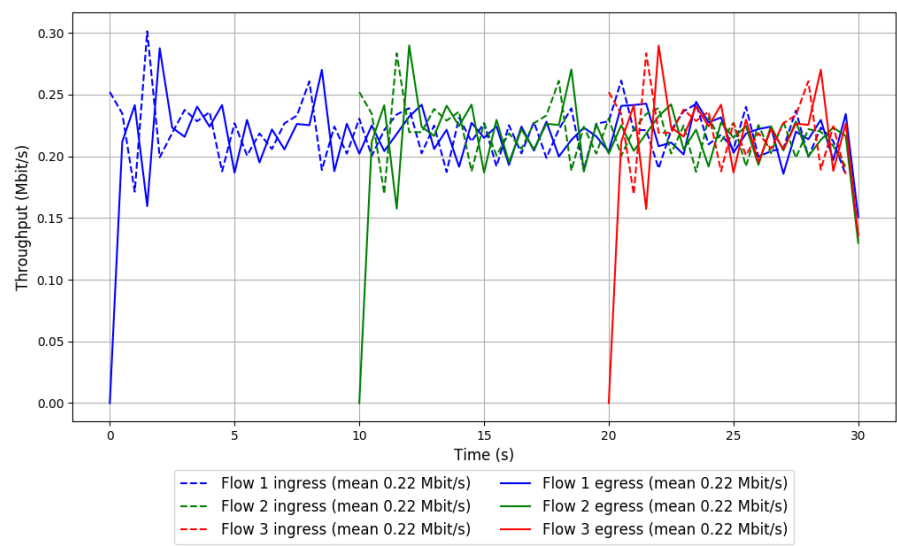


Run 6: Statistics of SReAM

Start at: 2018-08-01 20:10:32
End at: 2018-08-01 20:11:02
Local clock offset: 0.198 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-08-02 00:31:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.649 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.683 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.354 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.253 ms
Loss rate: 1.85%

Run 6: Report of SReAM — Data Link

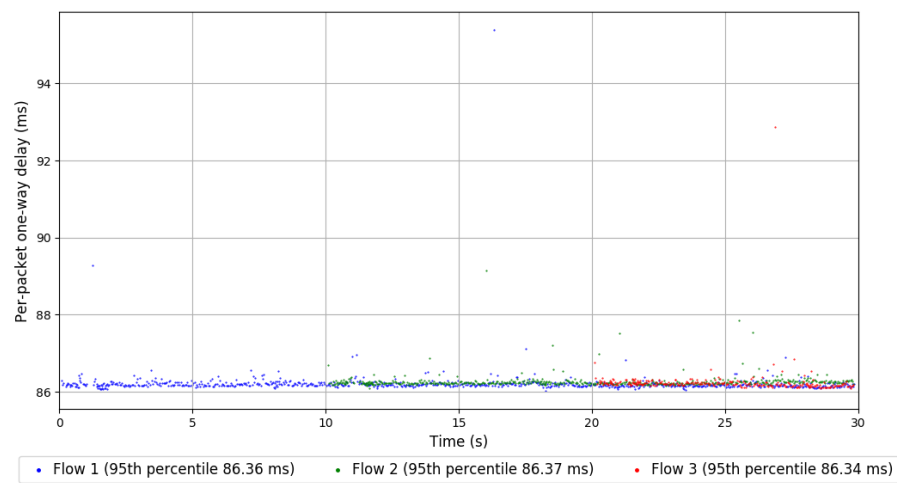
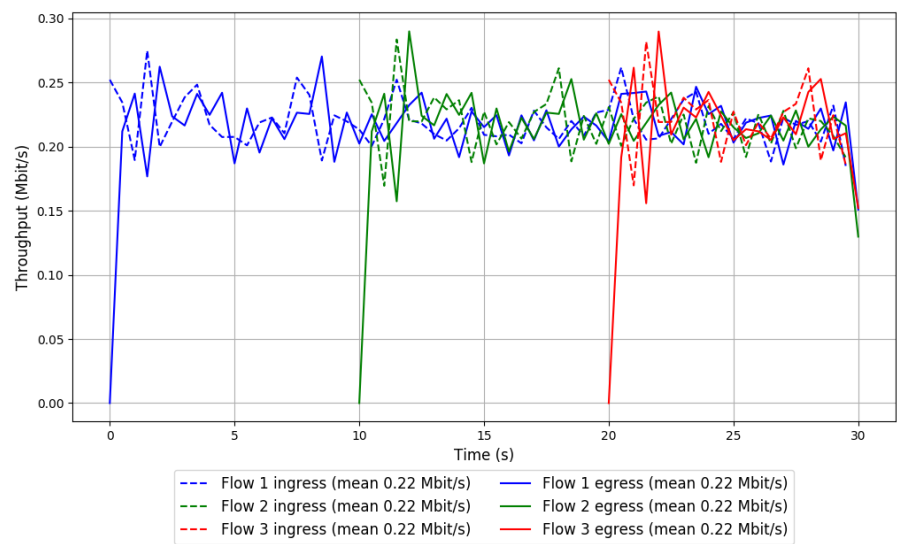


Run 7: Statistics of SReAM

Start at: 2018-08-01 20:35:54
End at: 2018-08-01 20:36:24
Local clock offset: 0.227 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-08-02 00:31:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.367 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.364 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.372 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.343 ms
Loss rate: 1.85%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-08-01 21:02:31

End at: 2018-08-01 21:03:01

Local clock offset: 0.047 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-08-02 00:31:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.441 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.469 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.252 ms

Loss rate: 0.82%

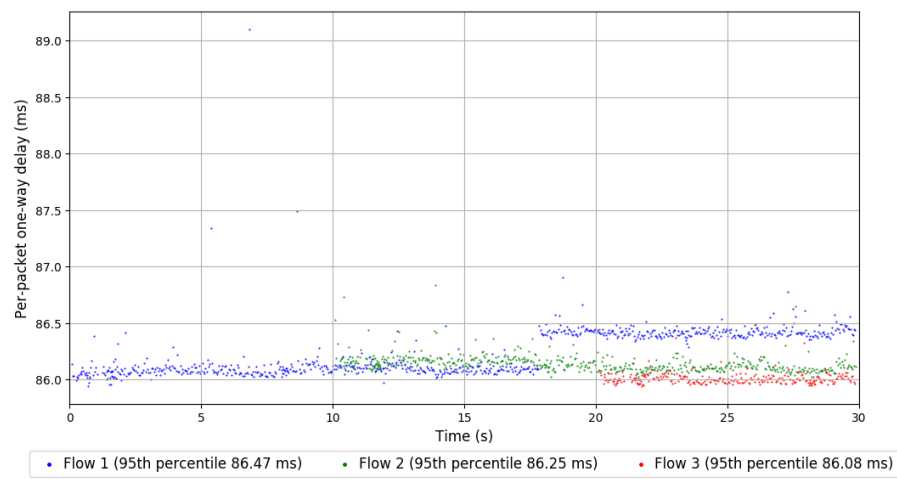
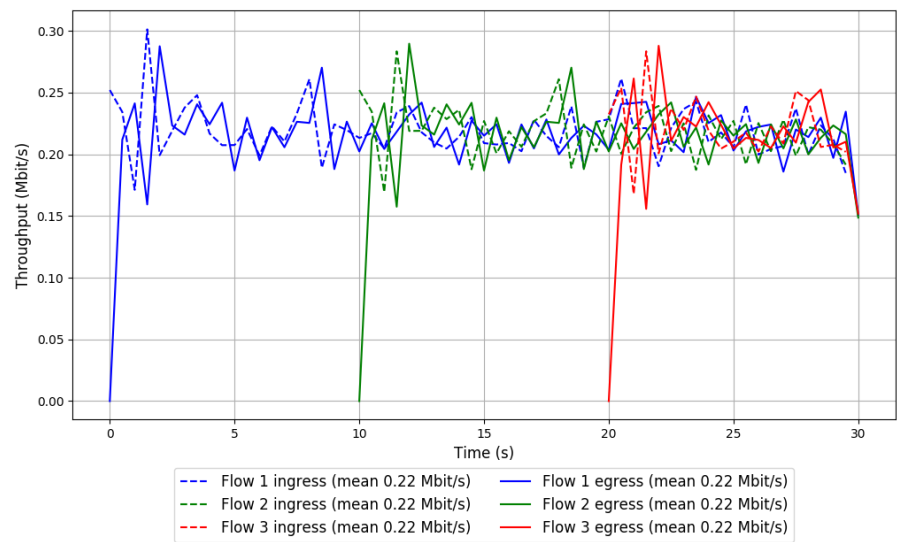
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.079 ms

Loss rate: 1.85%

Run 8: Report of SReAM — Data Link

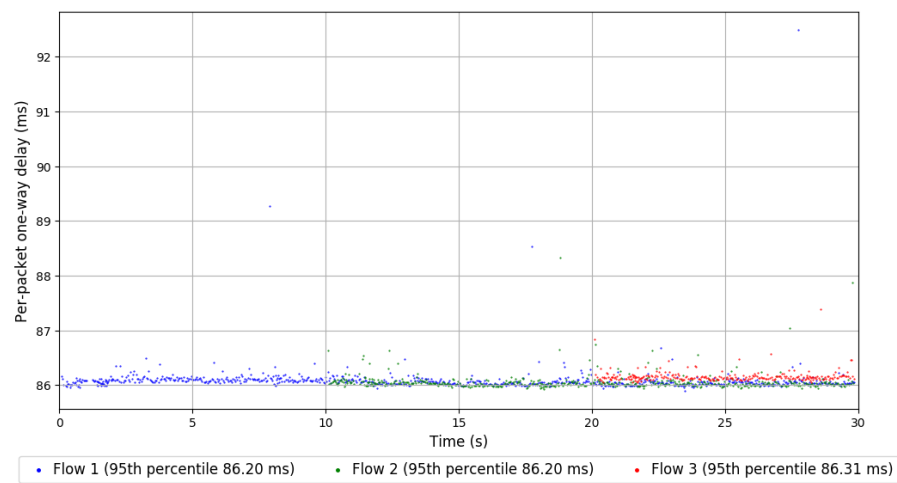
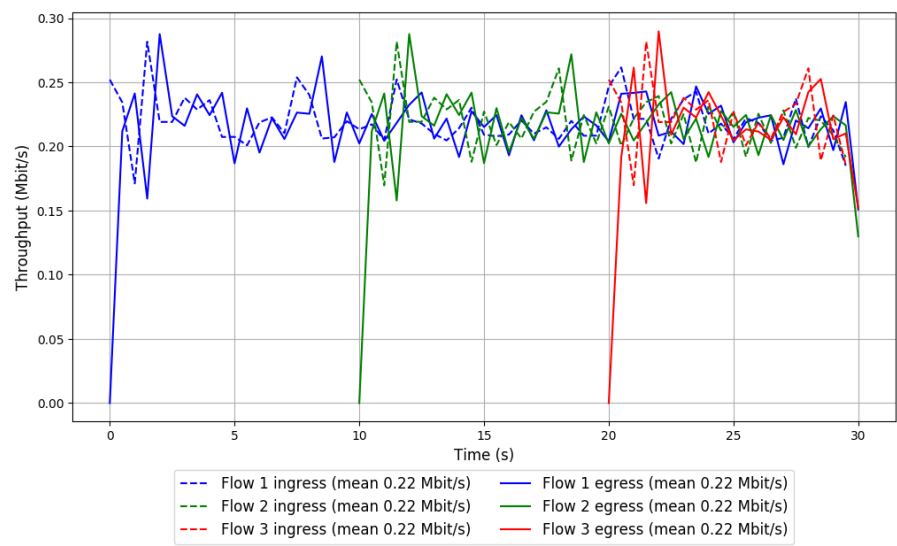


Run 9: Statistics of SReAM

Start at: 2018-08-01 21:29:42
End at: 2018-08-01 21:30:12
Local clock offset: -0.044 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-08-02 00:31:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.232 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.197 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.205 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.314 ms
Loss rate: 1.85%

Run 9: Report of SReAM — Data Link

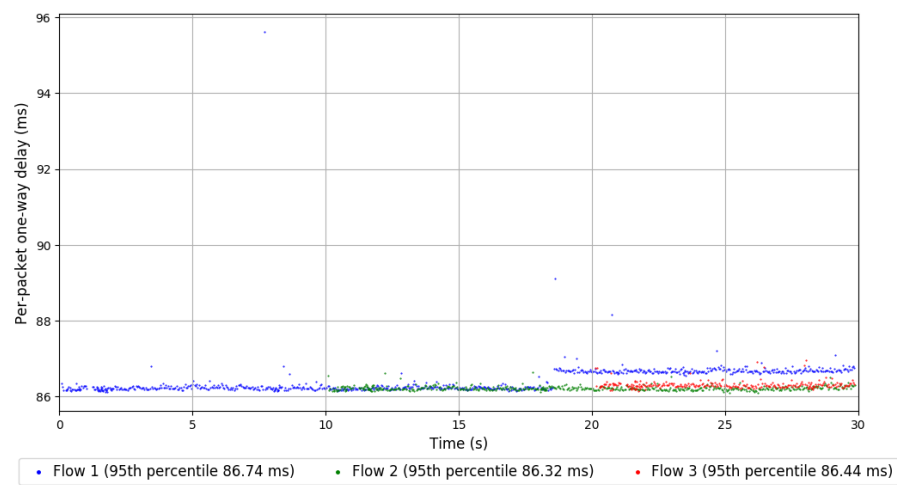
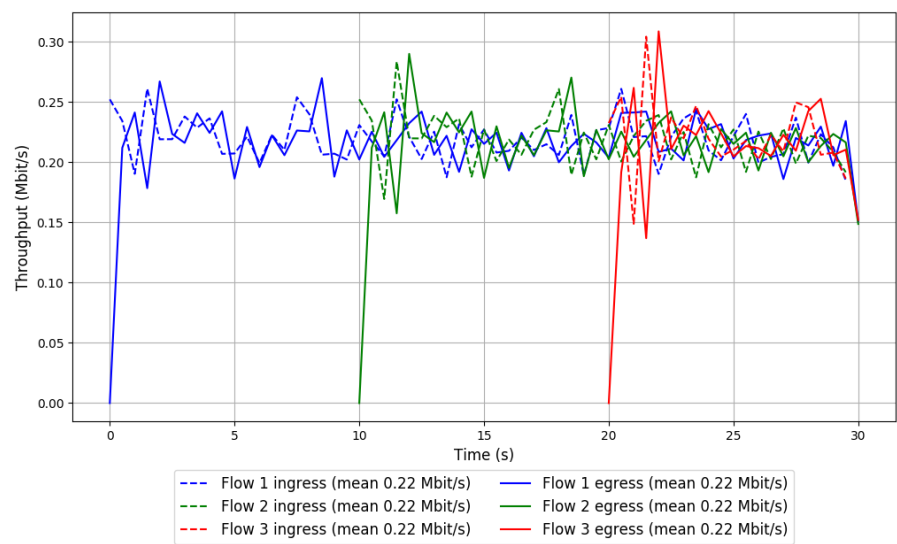


Run 10: Statistics of SReAM

Start at: 2018-08-01 21:55:25
End at: 2018-08-01 21:55:55
Local clock offset: 0.198 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-08-02 00:31:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.708 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.744 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.317 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.444 ms
Loss rate: 1.50%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-08-01 17:49:02

End at: 2018-08-01 17:49:32

Local clock offset: -0.063 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-08-02 00:31:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 86.514 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 86.431 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 86.572 ms

Loss rate: 0.23%

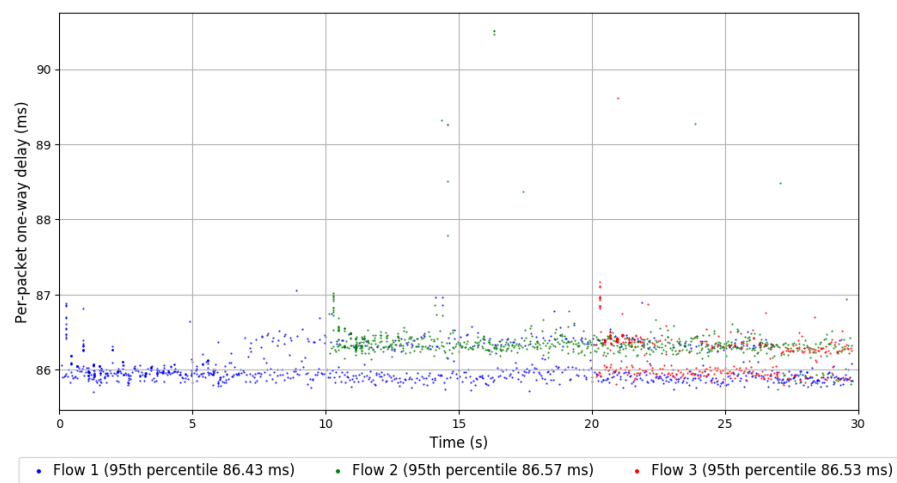
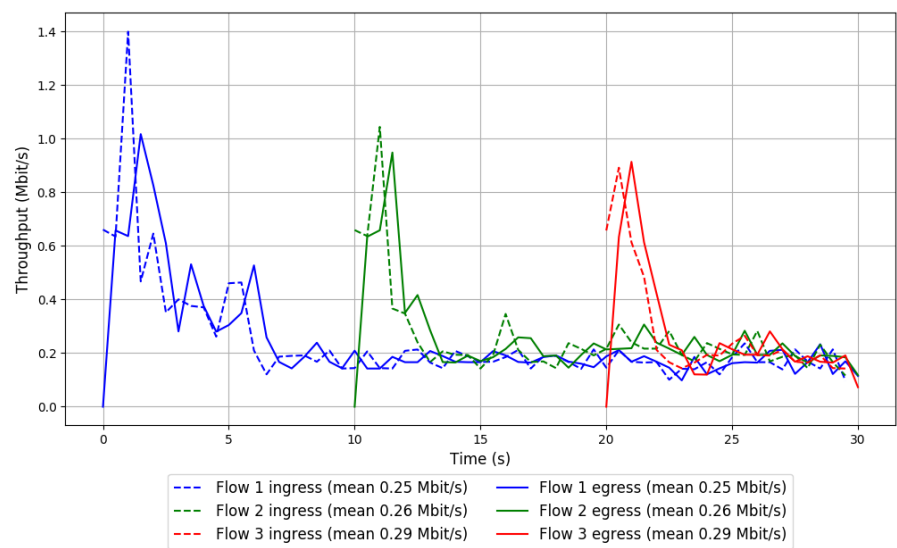
-- Flow 3:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 86.533 ms

Loss rate: 1.27%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-08-01 18:14:11

End at: 2018-08-01 18:14:41

Local clock offset: 0.298 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-08-02 00:31:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 95.853 ms

Loss rate: 0.90%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 95.736 ms

Loss rate: 0.72%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 95.860 ms

Loss rate: 0.81%

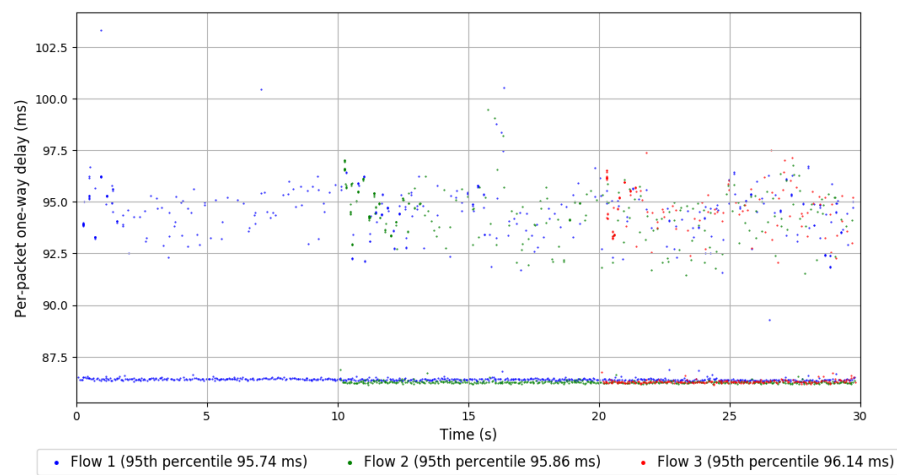
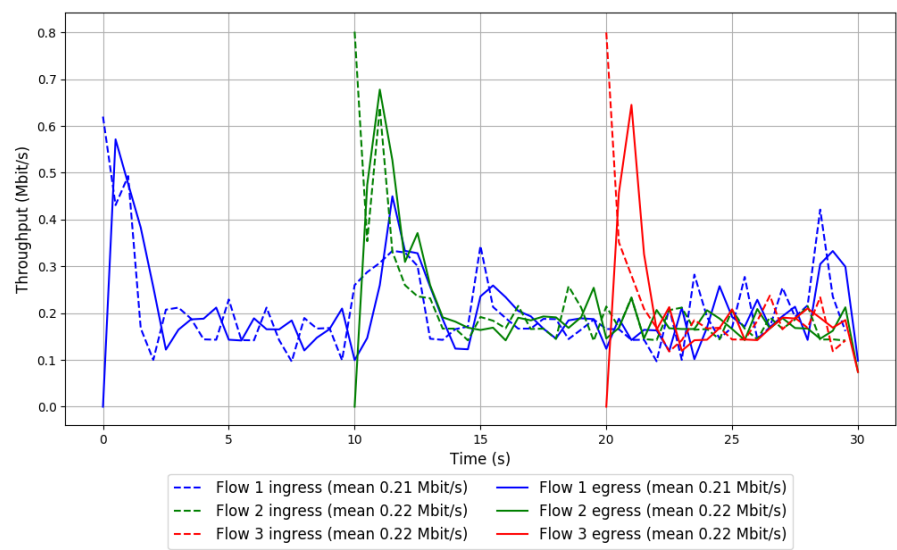
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 96.137 ms

Loss rate: 1.59%

Run 2: Report of Sprout — Data Link

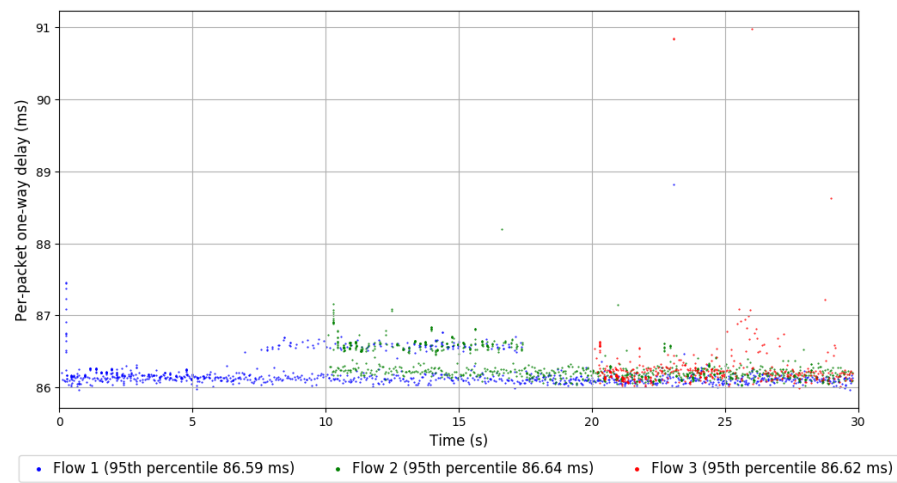
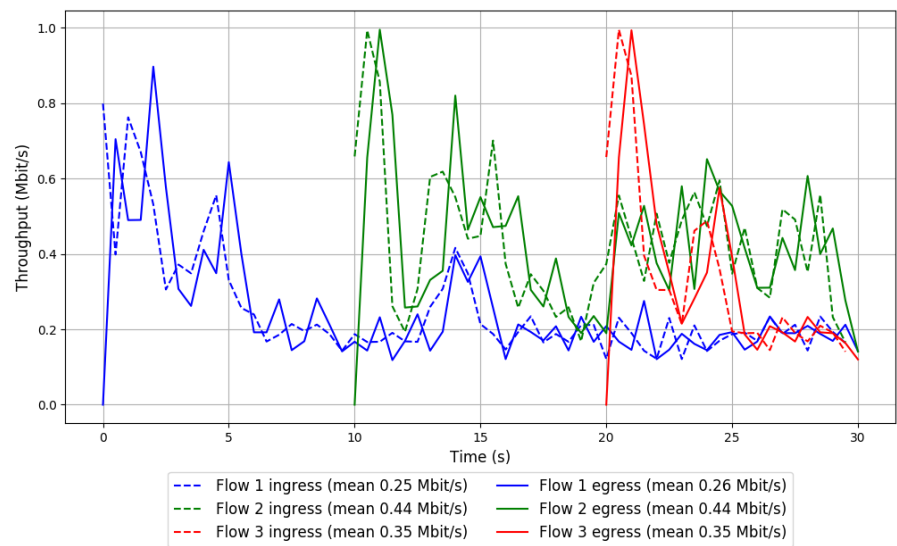


Run 3: Statistics of Sprout

Start at: 2018-08-01 18:39:21
End at: 2018-08-01 18:39:51
Local clock offset: 0.246 ms
Remote clock offset: -0.059 ms

```
# Below is generated by plot.py at 2018-08-02 00:31:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 86.629 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.595 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.644 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 86.625 ms
Loss rate: 1.01%
```


Run 3: Report of Sprout — Data Link

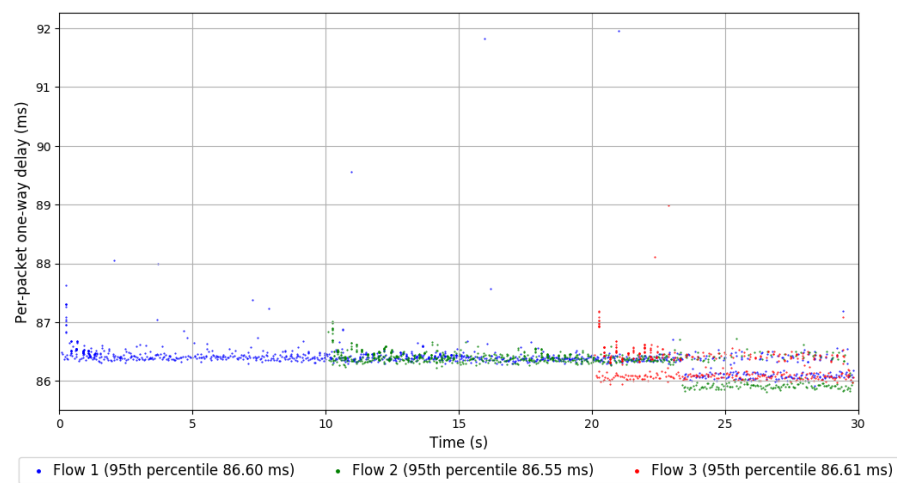
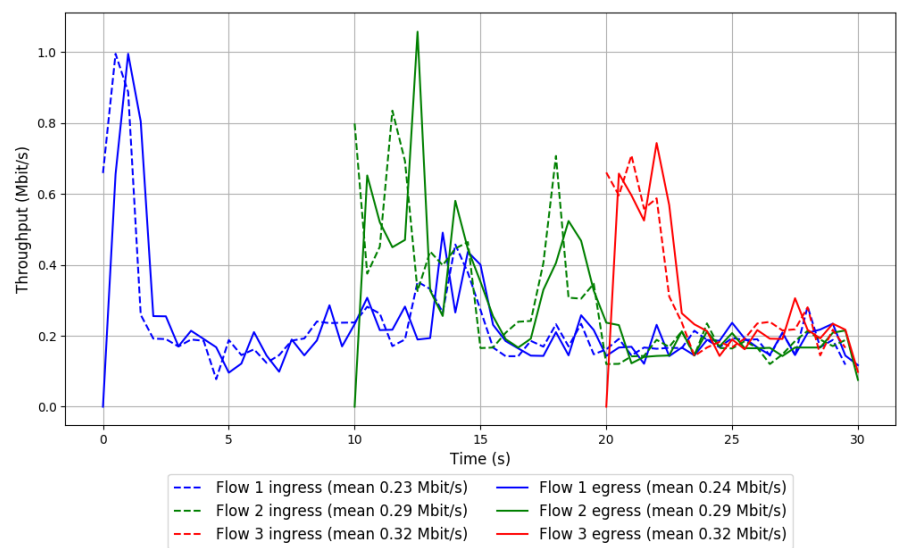


Run 4: Statistics of Sprout

Start at: 2018-08-01 19:04:39
End at: 2018-08-01 19:05:09
Local clock offset: 0.066 ms
Remote clock offset: -0.028 ms

```
# Below is generated by plot.py at 2018-08-02 00:31:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 86.593 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.600 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.551 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 86.614 ms
Loss rate: 1.12%
```

Run 4: Report of Sprout — Data Link

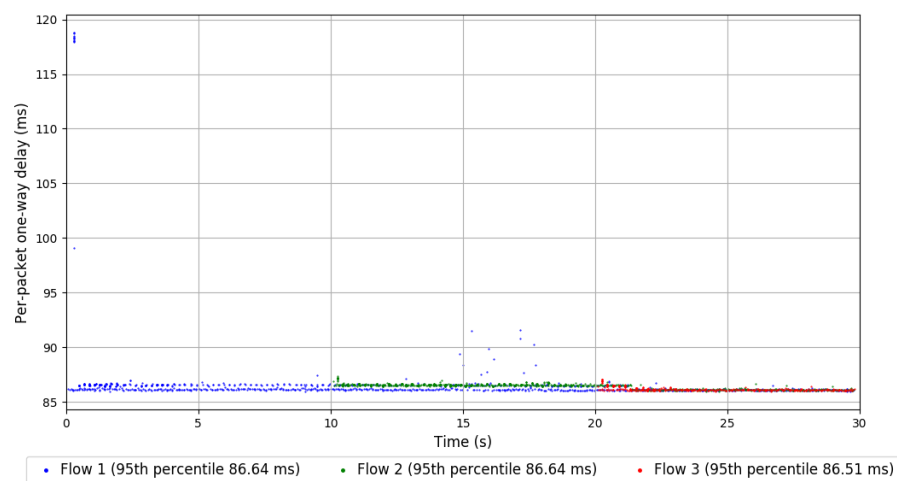
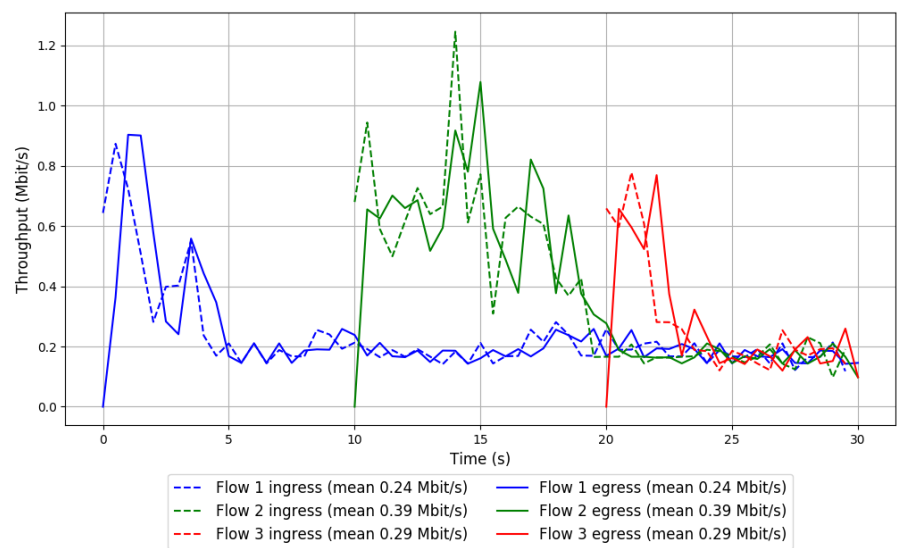


Run 5: Statistics of Sprout

Start at: 2018-08-01 19:29:48
End at: 2018-08-01 19:30:18
Local clock offset: 0.137 ms
Remote clock offset: 0.01 ms

```
# Below is generated by plot.py at 2018-08-02 00:31:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 86.636 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.639 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 86.642 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.510 ms
Loss rate: 1.22%
```

Run 5: Report of Sprout — Data Link

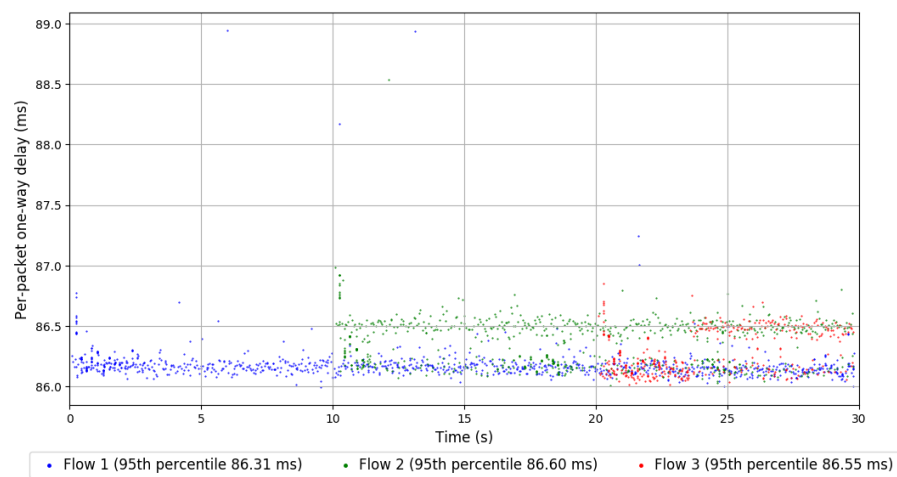
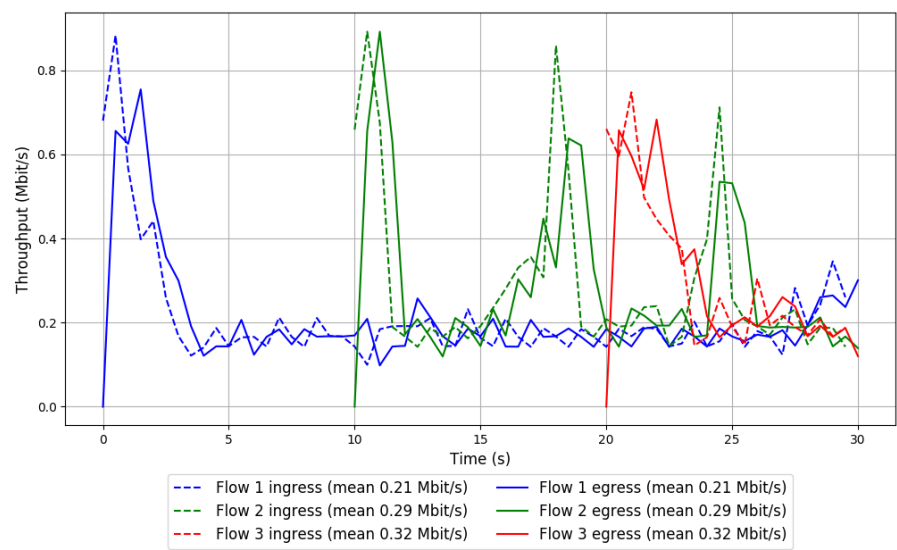


Run 6: Statistics of Sprout

Start at: 2018-08-01 19:54:49
End at: 2018-08-01 19:55:19
Local clock offset: 0.177 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-08-02 00:31:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 86.551 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 86.307 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.600 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 86.547 ms
Loss rate: 1.49%

Run 6: Report of Sprout — Data Link

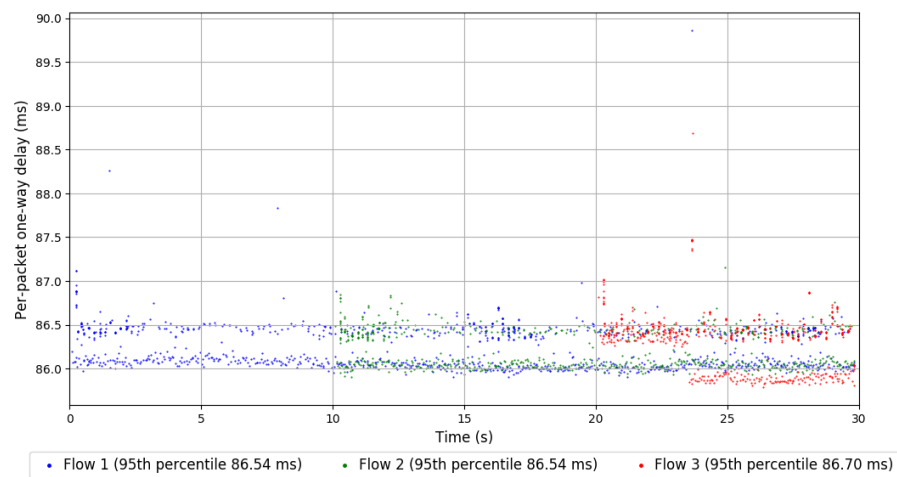
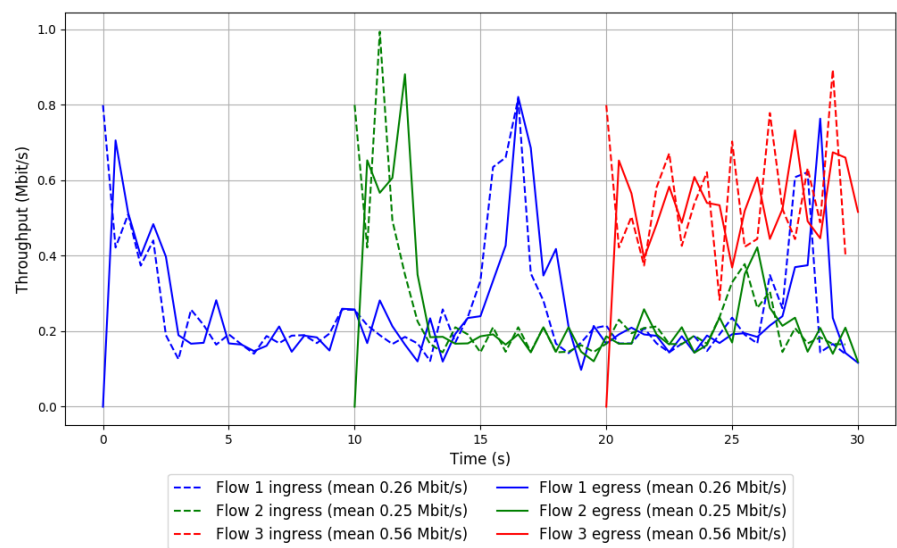


Run 7: Statistics of Sprout

Start at: 2018-08-01 20:20:09
End at: 2018-08-01 20:20:39
Local clock offset: 0.081 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-08-02 00:31:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 86.572 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.539 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 86.543 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 86.698 ms
Loss rate: 1.11%

Run 7: Report of Sprout — Data Link

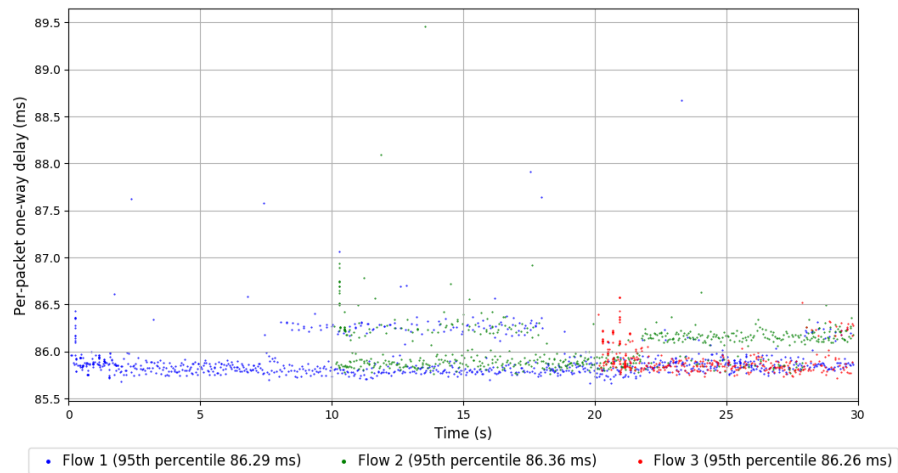
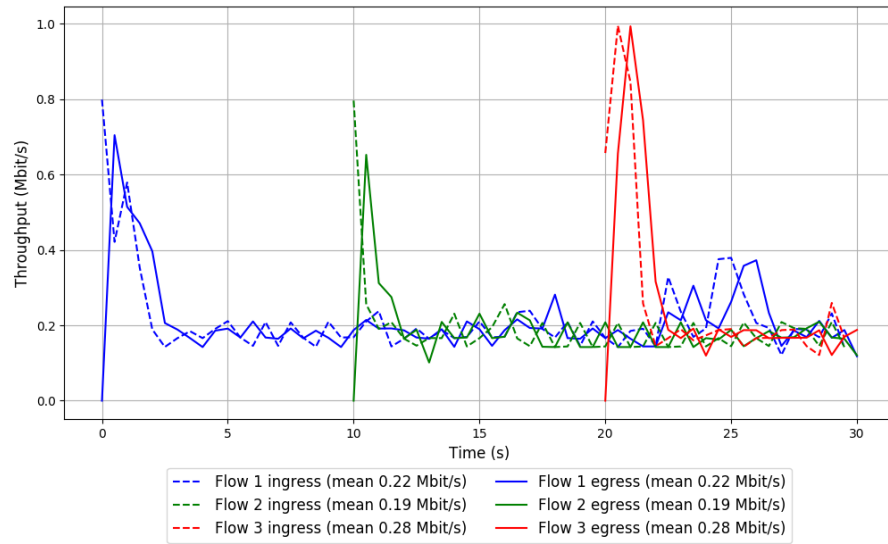


Run 8: Statistics of Sprout

Start at: 2018-08-01 20:45:51
End at: 2018-08-01 20:46:21
Local clock offset: -0.11 ms
Remote clock offset: -0.057 ms

```
# Below is generated by plot.py at 2018-08-02 00:31:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.299 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.287 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 86.360 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.262 ms
Loss rate: 1.29%
```

Run 8: Report of Sprout — Data Link

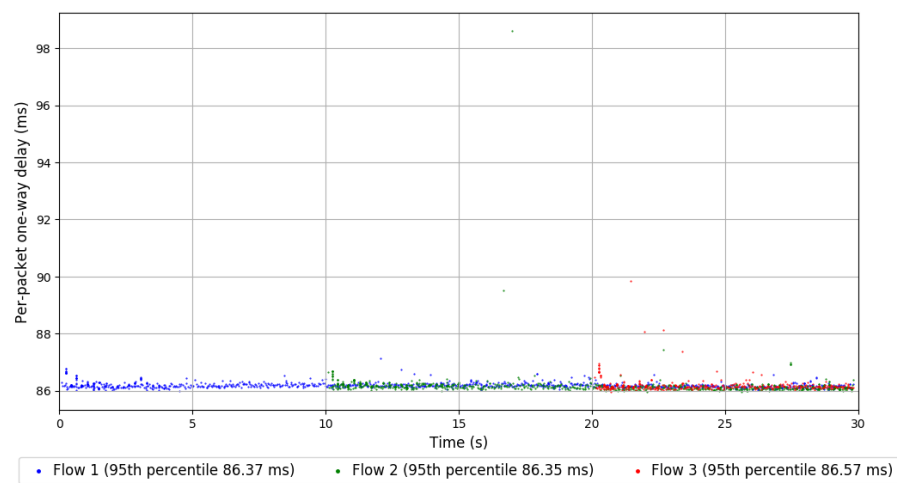
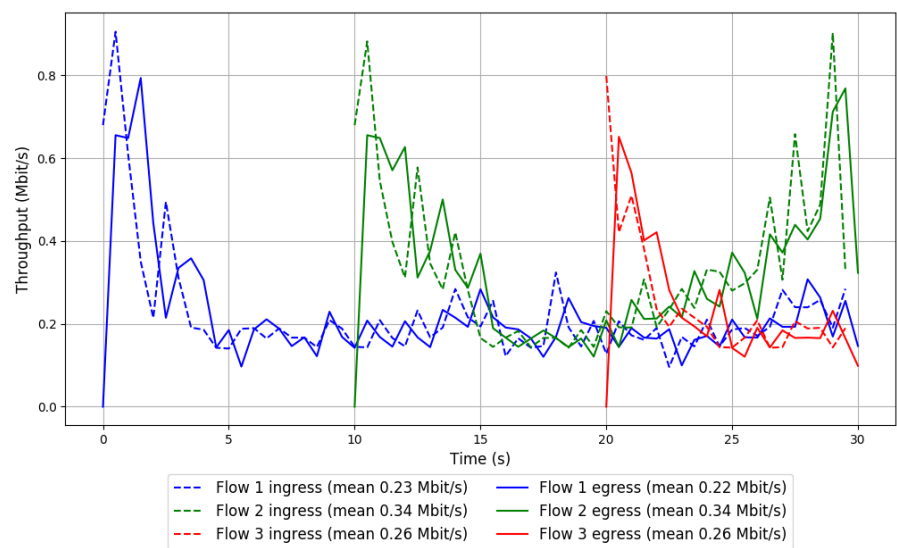


Run 9: Statistics of Sprout

Start at: 2018-08-01 21:12:15
End at: 2018-08-01 21:12:45
Local clock offset: 0.093 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-08-02 00:31:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 86.371 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.366 ms
Loss rate: 1.21%
-- Flow 2:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 86.351 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.569 ms
Loss rate: 1.86%

Run 9: Report of Sprout — Data Link

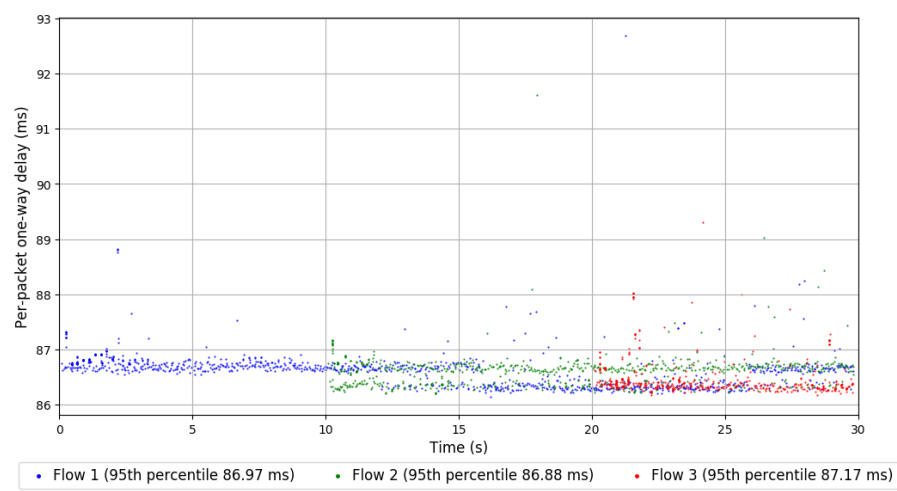
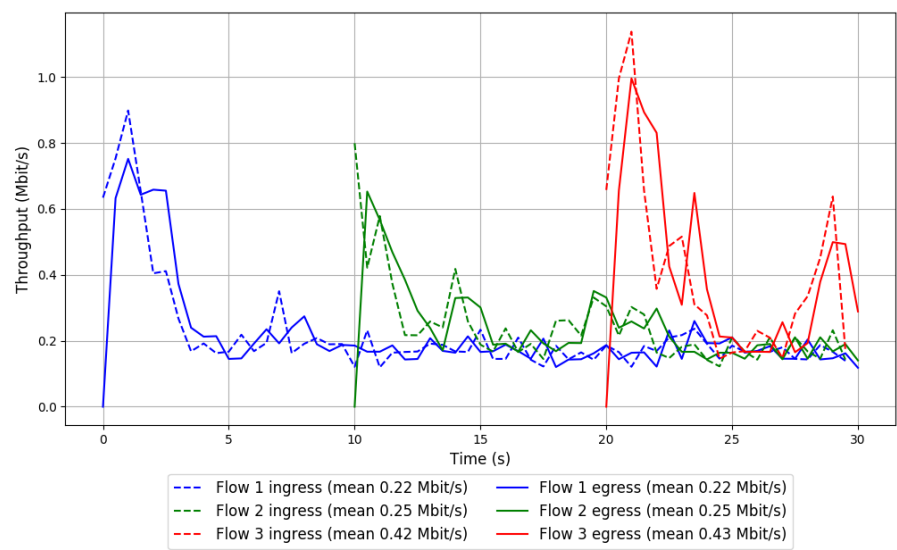


Run 10: Statistics of Sprout

Start at: 2018-08-01 21:39:27
End at: 2018-08-01 21:39:57
Local clock offset: 0.224 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-08-02 00:31:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 86.983 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.970 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 86.877 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 87.167 ms
Loss rate: 0.34%

Run 10: Report of Sprout — Data Link

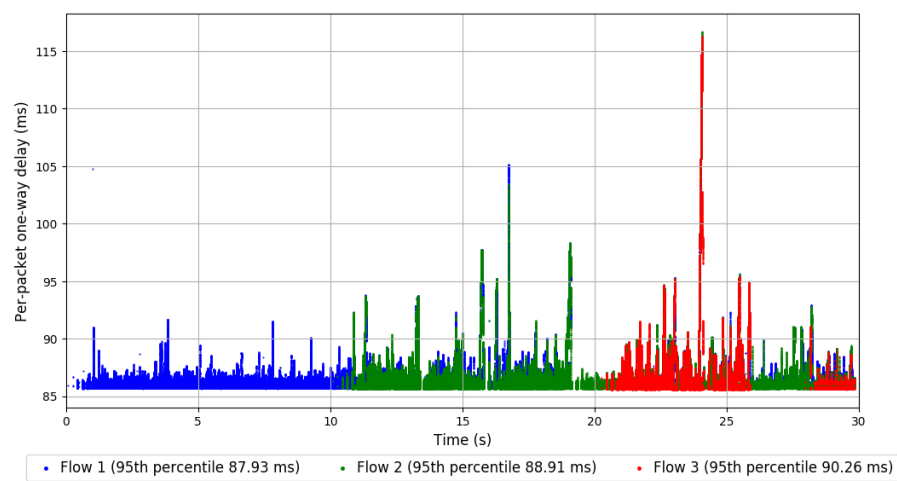
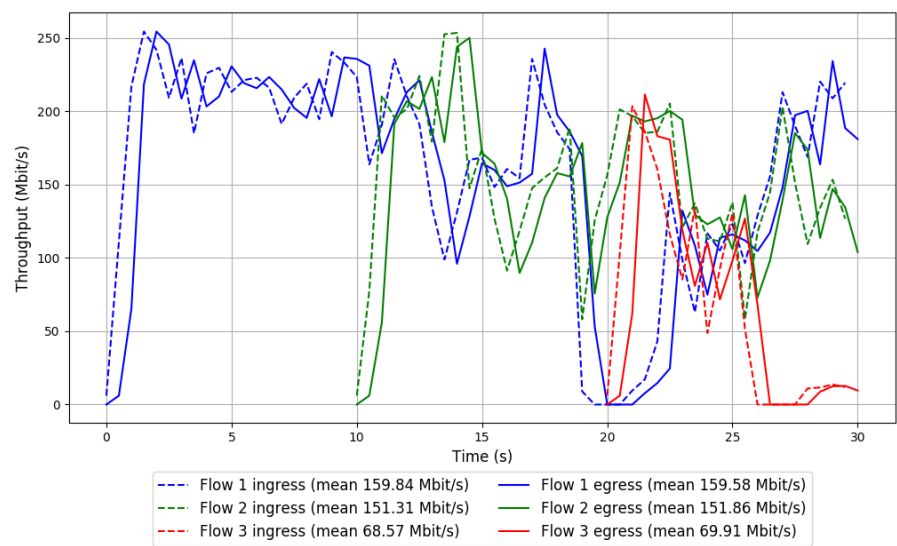


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-01 18:07:04
End at: 2018-08-01 18:07:34
Local clock offset: -0.138 ms
Remote clock offset: 0.051 ms

# Below is generated by plot.py at 2018-08-02 00:37:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 283.17 Mbit/s
95th percentile per-packet one-way delay: 88.500 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 159.58 Mbit/s
95th percentile per-packet one-way delay: 87.934 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 151.86 Mbit/s
95th percentile per-packet one-way delay: 88.909 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 69.91 Mbit/s
95th percentile per-packet one-way delay: 90.263 ms
Loss rate: 0.35%
```


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

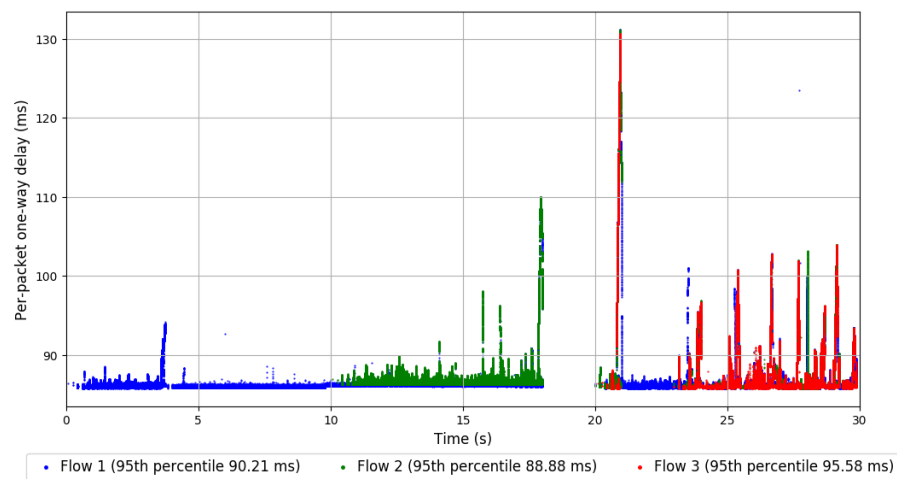
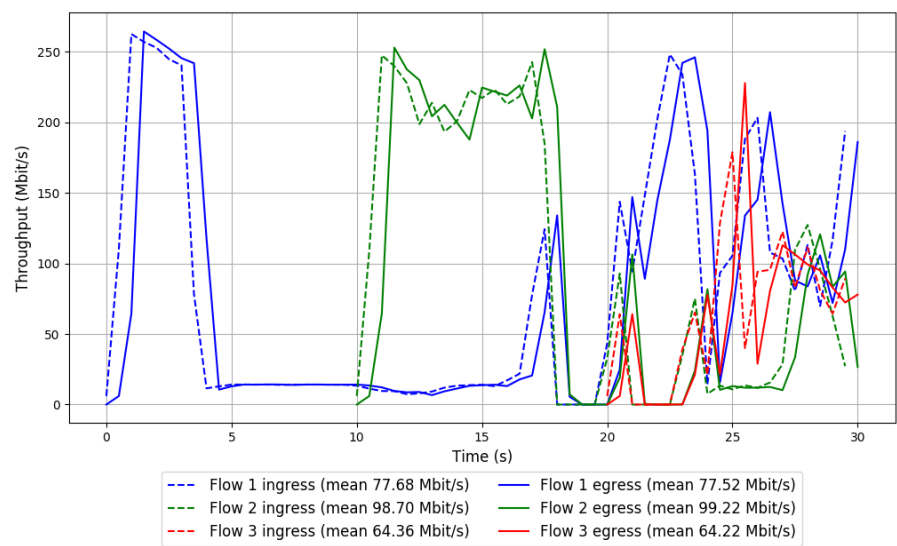


Run 2: Statistics of TaoVA-100x

Start at: 2018-08-01 18:32:19
End at: 2018-08-01 18:32:49
Local clock offset: 0.153 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-08-02 00:37:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 164.22 Mbit/s
95th percentile per-packet one-way delay: 90.540 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 77.52 Mbit/s
95th percentile per-packet one-way delay: 90.214 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 99.22 Mbit/s
95th percentile per-packet one-way delay: 88.879 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 64.22 Mbit/s
95th percentile per-packet one-way delay: 95.577 ms
Loss rate: 1.93%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-08-01 18:57:28

End at: 2018-08-01 18:57:58

Local clock offset: -0.091 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-08-02 00:38:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 304.94 Mbit/s

95th percentile per-packet one-way delay: 88.639 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 148.53 Mbit/s

95th percentile per-packet one-way delay: 88.326 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 185.51 Mbit/s

95th percentile per-packet one-way delay: 88.760 ms

Loss rate: 1.12%

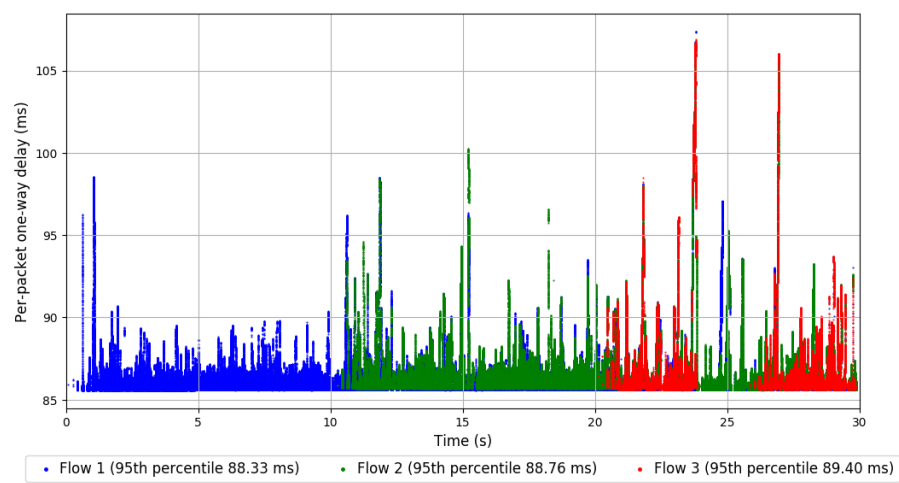
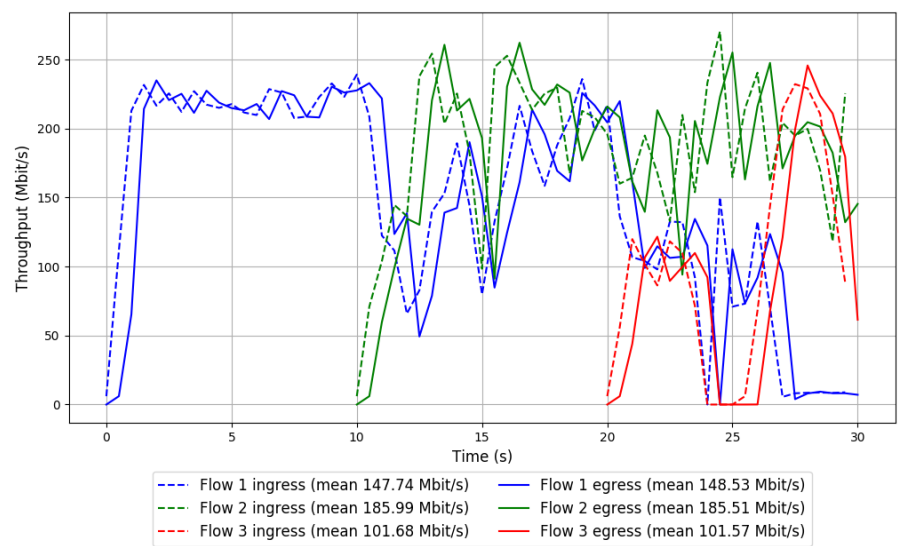
-- Flow 3:

Average throughput: 101.57 Mbit/s

95th percentile per-packet one-way delay: 89.400 ms

Loss rate: 1.70%

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

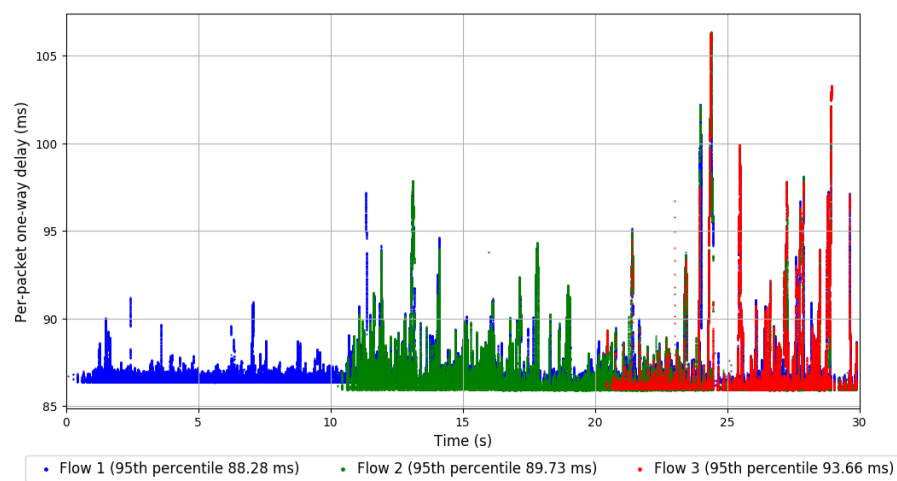
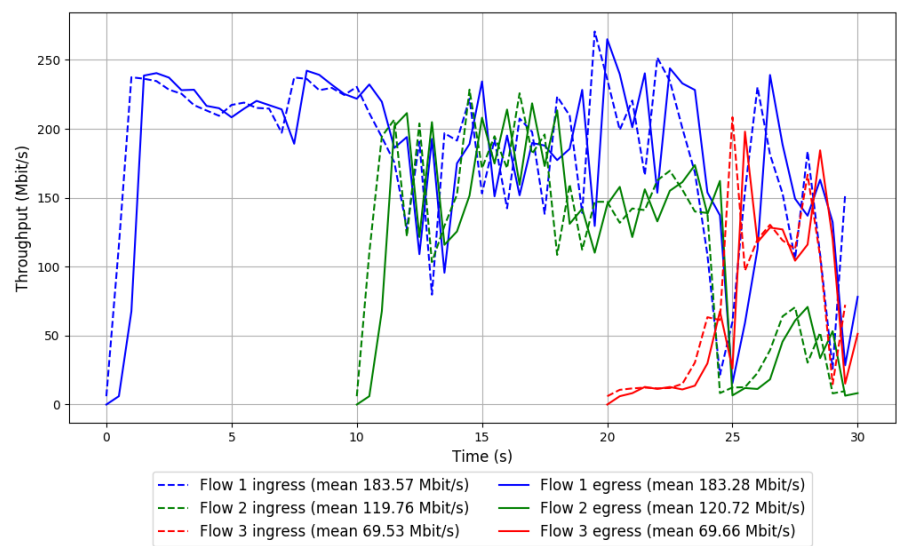


Run 4: Statistics of TaoVA-100x

Start at: 2018-08-01 19:22:33
End at: 2018-08-01 19:23:03
Local clock offset: 0.181 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-08-02 00:38:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 286.34 Mbit/s
95th percentile per-packet one-way delay: 88.976 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 183.28 Mbit/s
95th percentile per-packet one-way delay: 88.279 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 120.72 Mbit/s
95th percentile per-packet one-way delay: 89.735 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 69.66 Mbit/s
95th percentile per-packet one-way delay: 93.656 ms
Loss rate: 1.55%

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

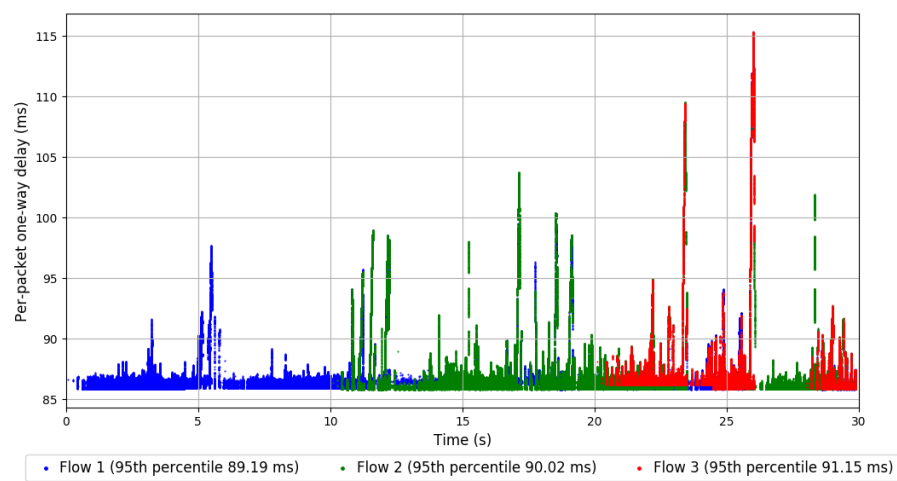
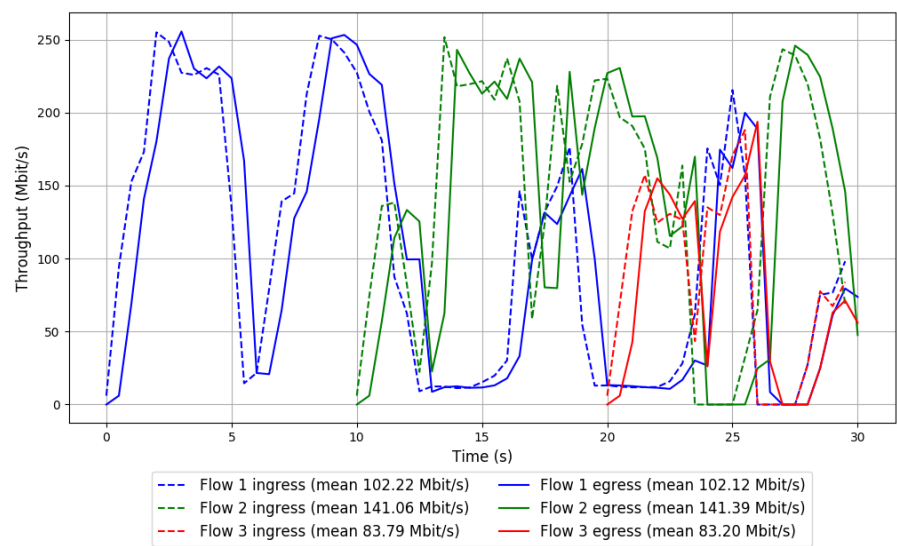


Run 5: Statistics of TaoVA-100x

Start at: 2018-08-01 19:47:45
End at: 2018-08-01 19:48:15
Local clock offset: 0.065 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-08-02 00:38:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 223.37 Mbit/s
95th percentile per-packet one-way delay: 89.830 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 102.12 Mbit/s
95th percentile per-packet one-way delay: 89.193 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 141.39 Mbit/s
95th percentile per-packet one-way delay: 90.016 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 83.20 Mbit/s
95th percentile per-packet one-way delay: 91.147 ms
Loss rate: 2.46%

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

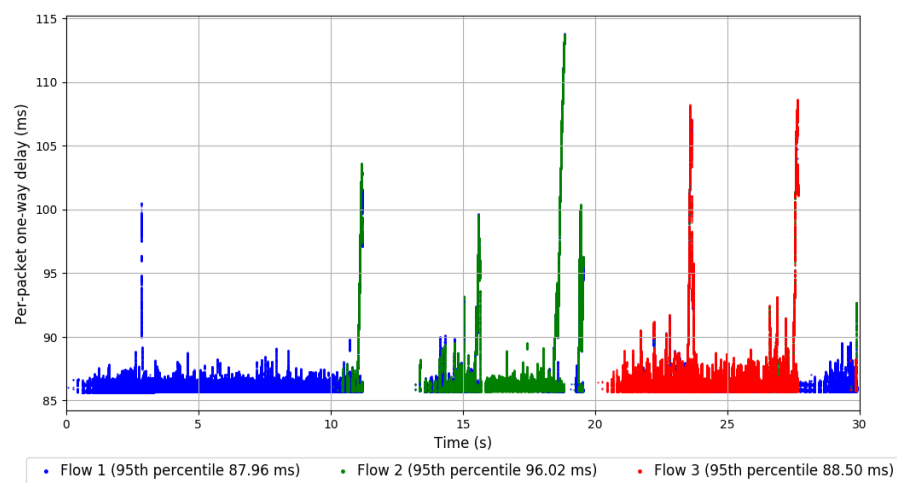
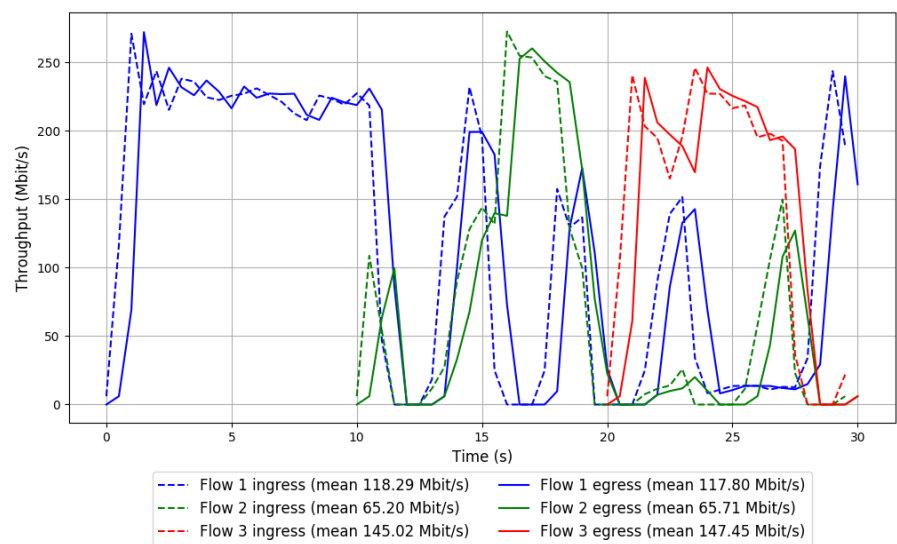


Run 6: Statistics of TaoVA-100x

Start at: 2018-08-01 20:12:59
End at: 2018-08-01 20:13:29
Local clock offset: 0.006 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-08-02 00:38:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 209.65 Mbit/s
95th percentile per-packet one-way delay: 89.614 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 117.80 Mbit/s
95th percentile per-packet one-way delay: 87.962 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 65.71 Mbit/s
95th percentile per-packet one-way delay: 96.018 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 147.45 Mbit/s
95th percentile per-packet one-way delay: 88.499 ms
Loss rate: 0.55%

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

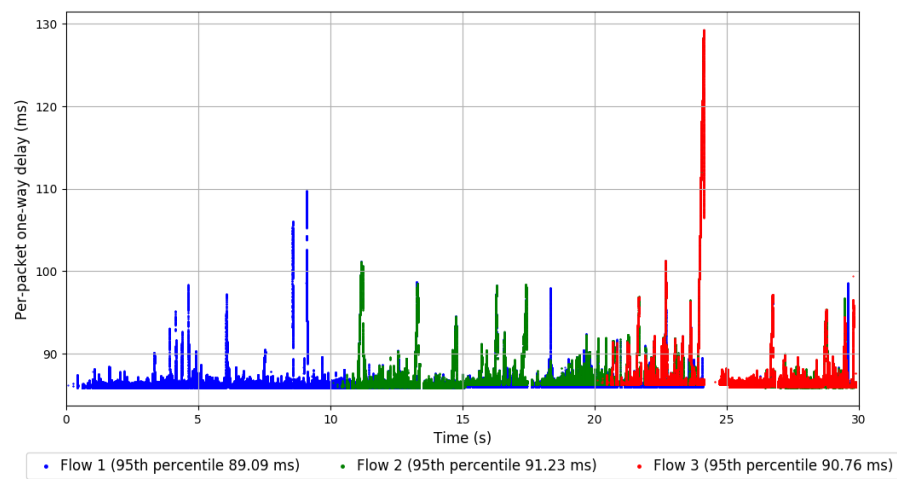
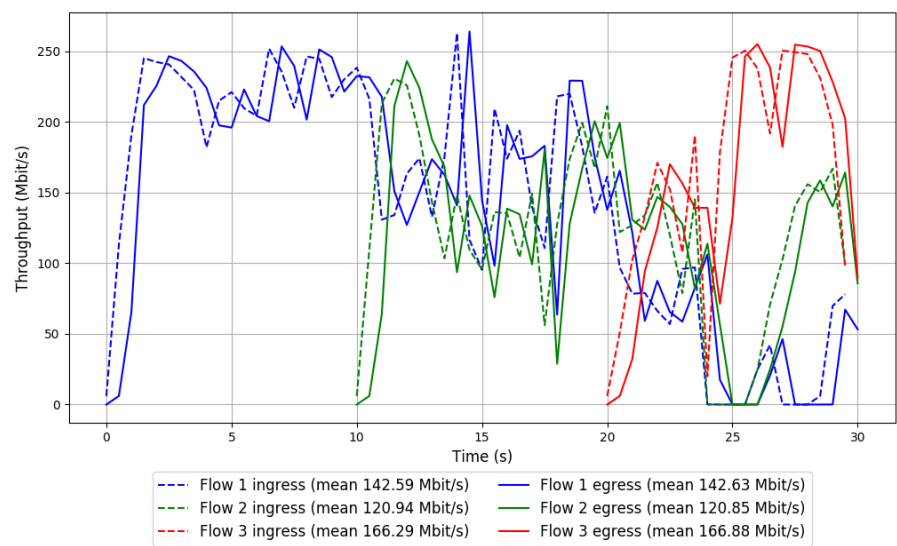


Run 7: Statistics of TaoVA-100x

Start at: 2018-08-01 20:38:24
End at: 2018-08-01 20:38:54
Local clock offset: 0.186 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-08-02 00:40:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 277.66 Mbit/s
95th percentile per-packet one-way delay: 90.170 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 142.63 Mbit/s
95th percentile per-packet one-way delay: 89.094 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 120.85 Mbit/s
95th percentile per-packet one-way delay: 91.232 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 166.88 Mbit/s
95th percentile per-packet one-way delay: 90.762 ms
Loss rate: 1.38%

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

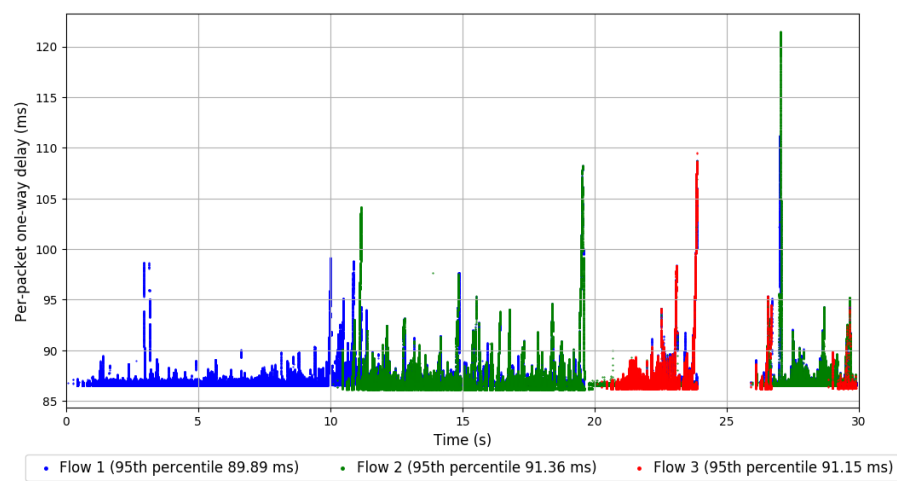
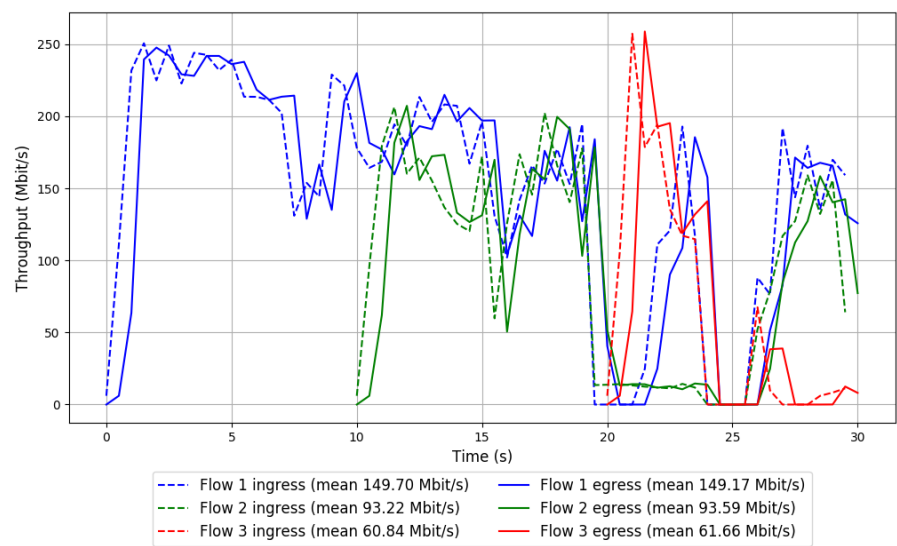


Run 8: Statistics of TaoVA-100x

Start at: 2018-08-01 21:04:59
End at: 2018-08-01 21:05:29
Local clock offset: 0.374 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-08-02 00:40:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 231.54 Mbit/s
95th percentile per-packet one-way delay: 90.430 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 149.17 Mbit/s
95th percentile per-packet one-way delay: 89.895 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 93.59 Mbit/s
95th percentile per-packet one-way delay: 91.365 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 61.66 Mbit/s
95th percentile per-packet one-way delay: 91.146 ms
Loss rate: 0.41%

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

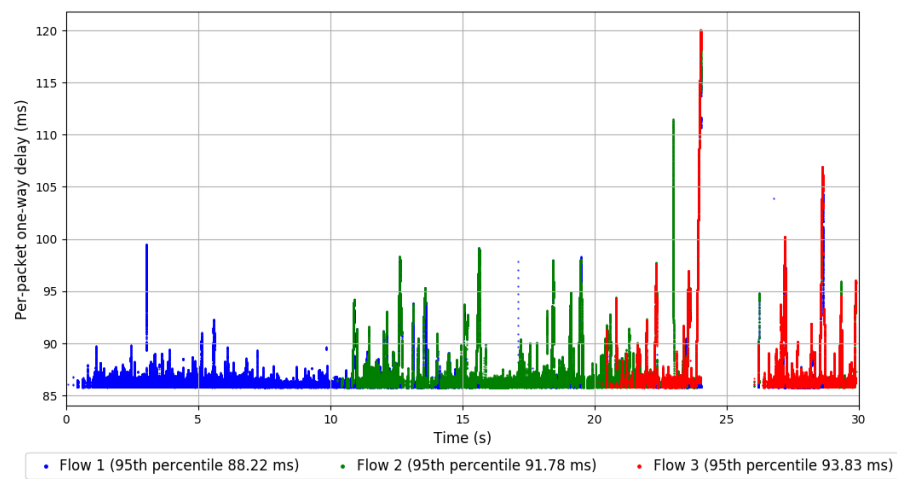
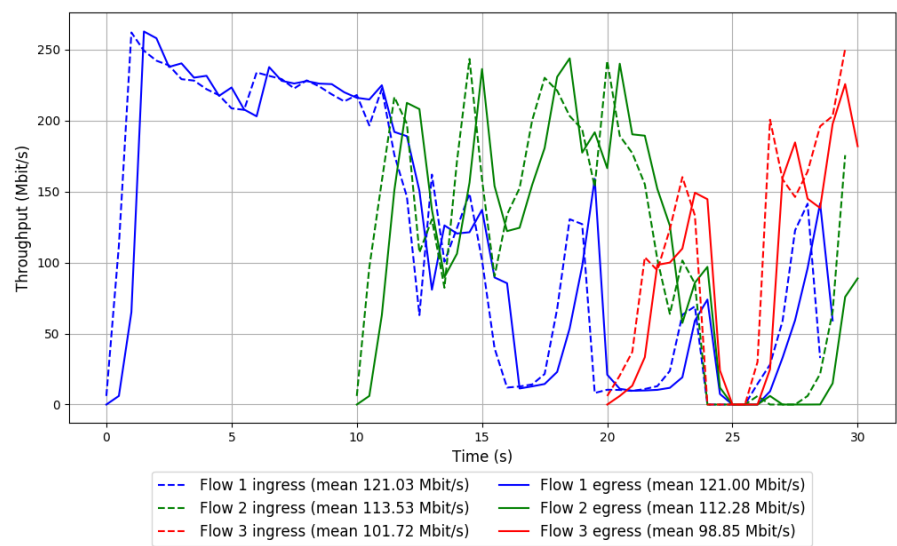


Run 9: Statistics of TaoVA-100x

Start at: 2018-08-01 21:32:12
End at: 2018-08-01 21:32:42
Local clock offset: -0.085 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-08-02 00:41:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 223.20 Mbit/s
95th percentile per-packet one-way delay: 90.886 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 121.00 Mbit/s
95th percentile per-packet one-way delay: 88.217 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 112.28 Mbit/s
95th percentile per-packet one-way delay: 91.777 ms
Loss rate: 1.96%
-- Flow 3:
Average throughput: 98.85 Mbit/s
95th percentile per-packet one-way delay: 93.828 ms
Loss rate: 4.51%

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

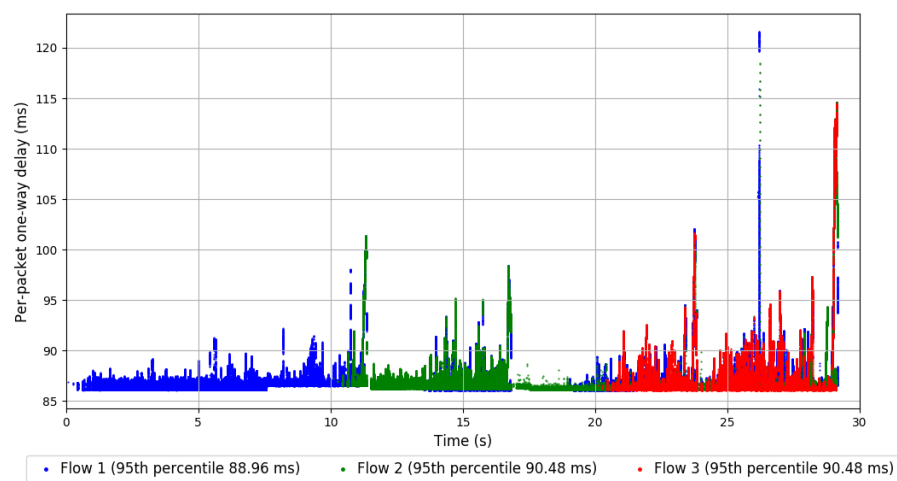
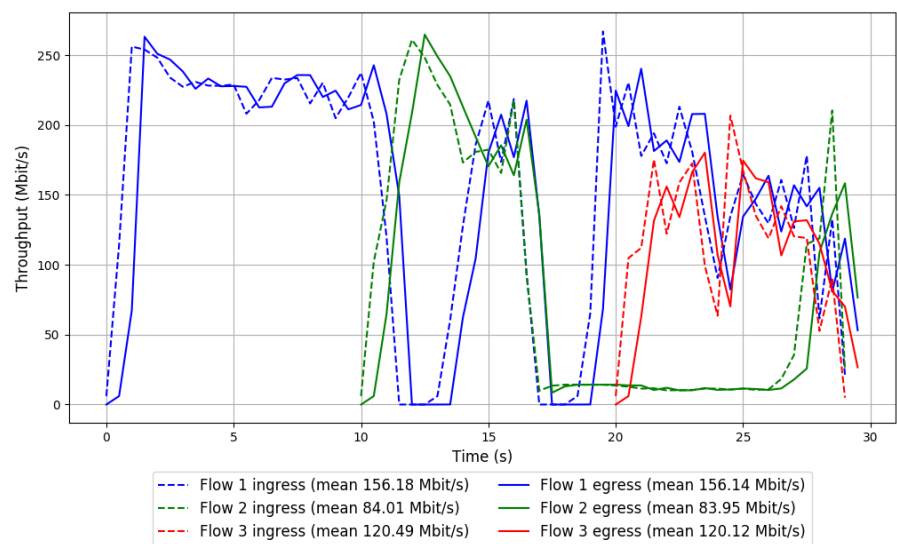


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-08-01 21:57:52
End at: 2018-08-01 21:58:22
Local clock offset: 0.237 ms
Remote clock offset: -0.053 ms

# Below is generated by plot.py at 2018-08-02 00:44:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 248.54 Mbit/s
95th percentile per-packet one-way delay: 89.496 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 156.14 Mbit/s
95th percentile per-packet one-way delay: 88.961 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 83.95 Mbit/s
95th percentile per-packet one-way delay: 90.478 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 120.12 Mbit/s
95th percentile per-packet one-way delay: 90.479 ms
Loss rate: 0.00%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-08-01 18:12:54

End at: 2018-08-01 18:13:24

Local clock offset: 0.205 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-08-02 00:44:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.98 Mbit/s

95th percentile per-packet one-way delay: 91.550 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 39.39 Mbit/s

95th percentile per-packet one-way delay: 89.389 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 57.77 Mbit/s

95th percentile per-packet one-way delay: 93.161 ms

Loss rate: 0.90%

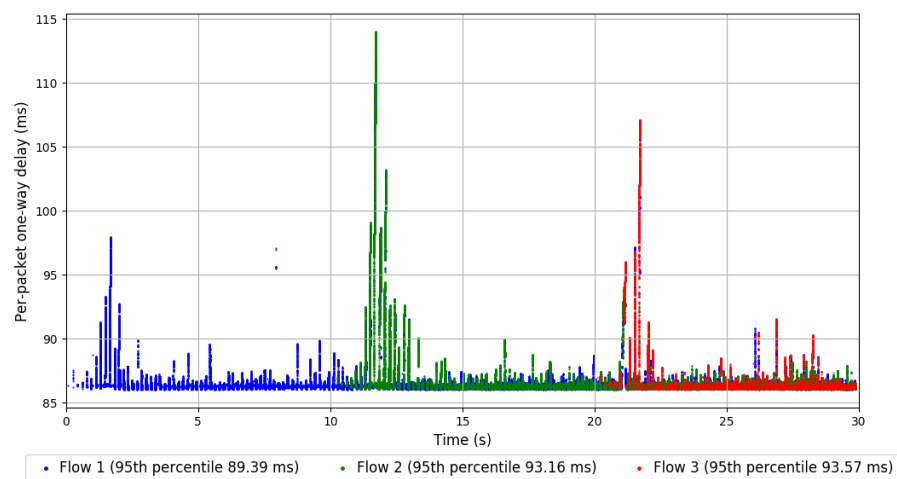
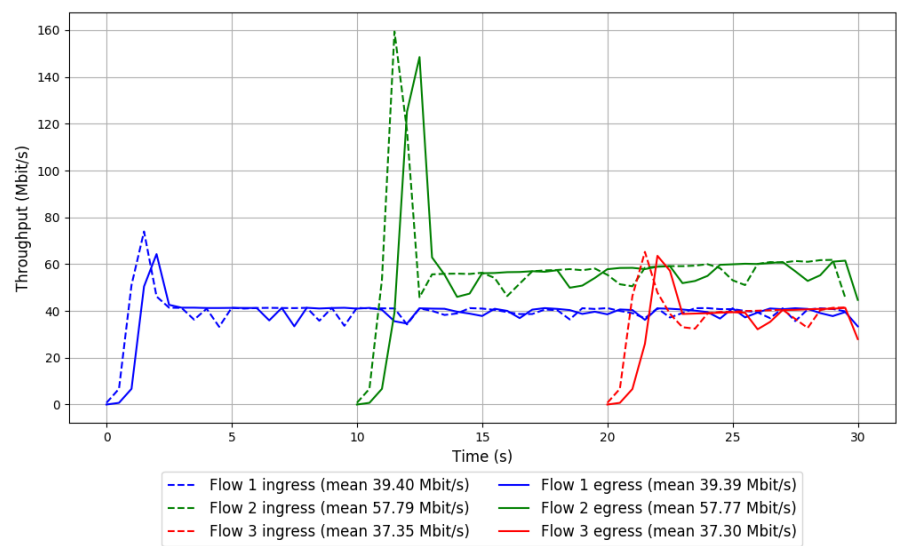
-- Flow 3:

Average throughput: 37.30 Mbit/s

95th percentile per-packet one-way delay: 93.569 ms

Loss rate: 1.87%

Run 1: Report of TCP Vegas — Data Link

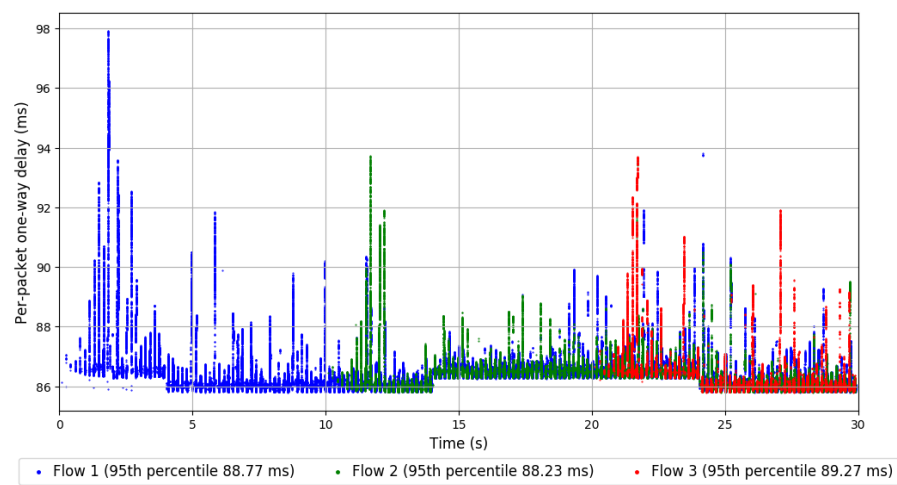
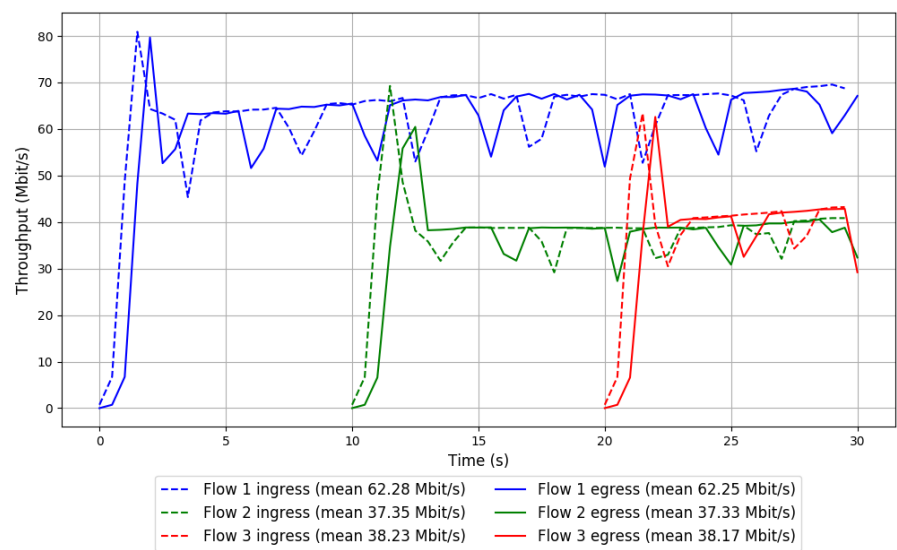


Run 2: Statistics of TCP Vegas

Start at: 2018-08-01 18:38:05
End at: 2018-08-01 18:38:35
Local clock offset: 0.11 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-08-02 00:44:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 99.52 Mbit/s
95th percentile per-packet one-way delay: 88.724 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 62.25 Mbit/s
95th percentile per-packet one-way delay: 88.767 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 37.33 Mbit/s
95th percentile per-packet one-way delay: 88.233 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 38.17 Mbit/s
95th percentile per-packet one-way delay: 89.268 ms
Loss rate: 1.90%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-08-01 19:03:20

End at: 2018-08-01 19:03:50

Local clock offset: 0.08 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-08-02 00:44:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 149.42 Mbit/s

95th percentile per-packet one-way delay: 90.570 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 76.41 Mbit/s

95th percentile per-packet one-way delay: 90.420 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 86.62 Mbit/s

95th percentile per-packet one-way delay: 90.709 ms

Loss rate: 0.95%

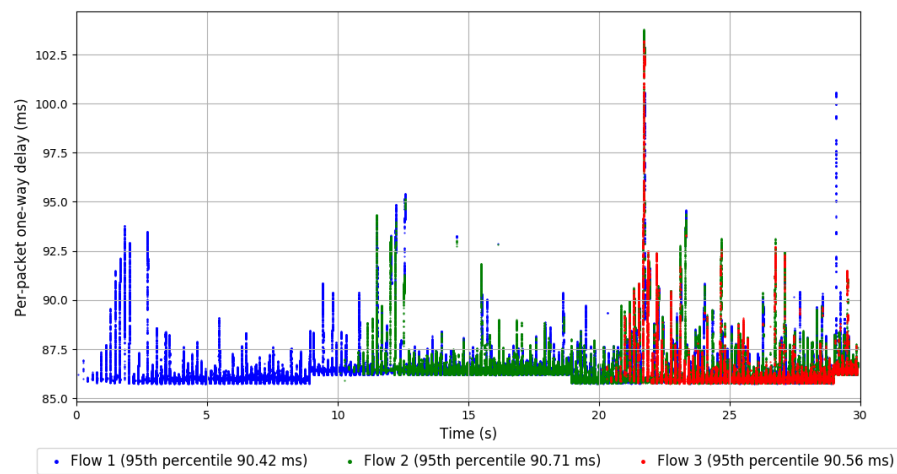
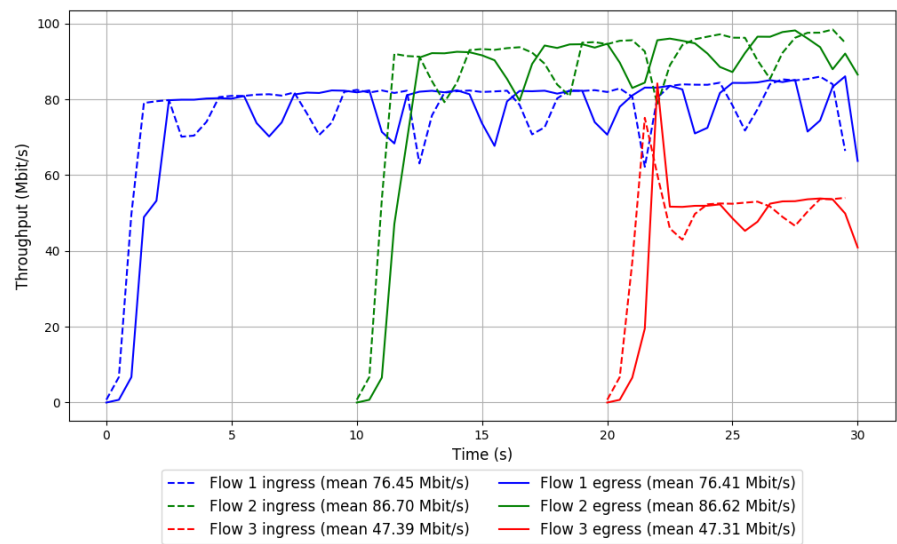
-- Flow 3:

Average throughput: 47.31 Mbit/s

95th percentile per-packet one-way delay: 90.556 ms

Loss rate: 1.92%

Run 3: Report of TCP Vegas — Data Link

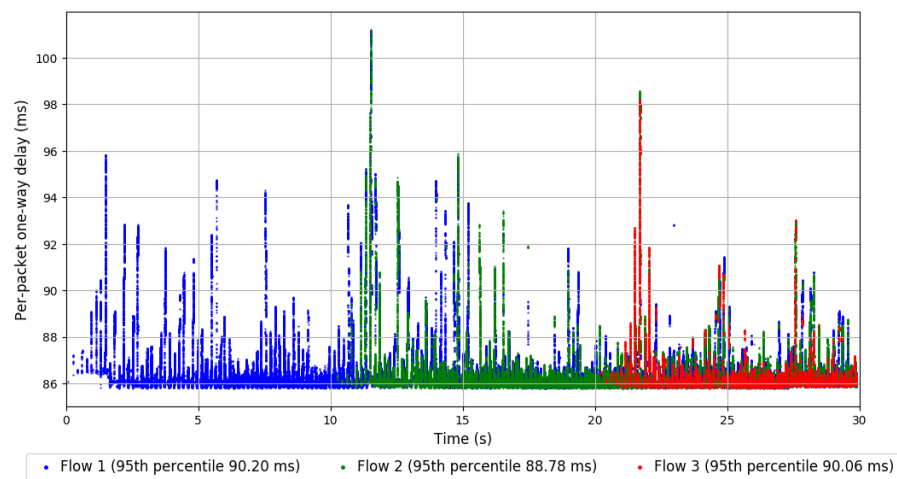
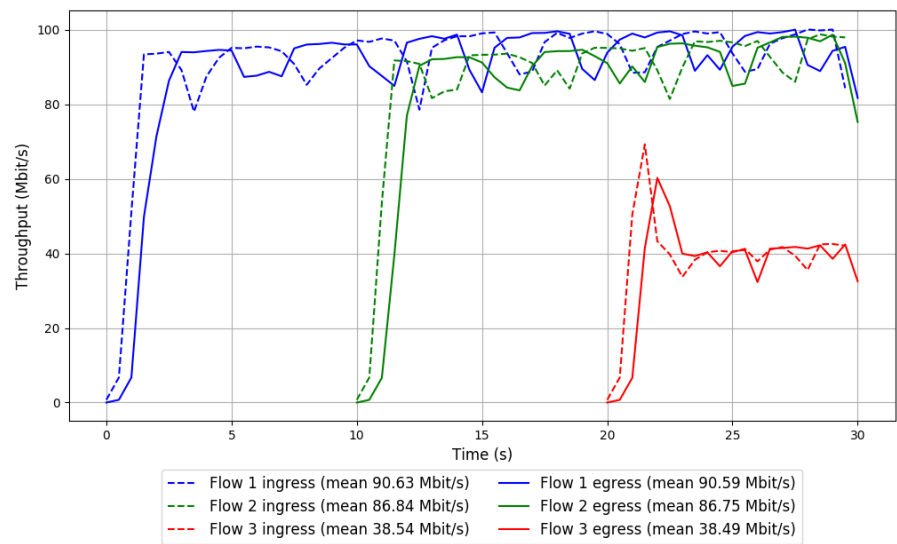


Run 4: Statistics of TCP Vegas

Start at: 2018-08-01 19:28:27
End at: 2018-08-01 19:28:57
Local clock offset: 0.086 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-08-02 00:44:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 160.83 Mbit/s
95th percentile per-packet one-way delay: 89.763 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 90.59 Mbit/s
95th percentile per-packet one-way delay: 90.204 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 86.75 Mbit/s
95th percentile per-packet one-way delay: 88.775 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 38.49 Mbit/s
95th percentile per-packet one-way delay: 90.057 ms
Loss rate: 1.86%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-08-01 19:53:33

End at: 2018-08-01 19:54:03

Local clock offset: 0.111 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-08-02 00:44:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 98.94 Mbit/s

95th percentile per-packet one-way delay: 89.827 ms

Loss rate: 0.86%

-- Flow 1:

Average throughput: 58.88 Mbit/s

95th percentile per-packet one-way delay: 89.439 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 41.15 Mbit/s

95th percentile per-packet one-way delay: 90.196 ms

Loss rate: 0.90%

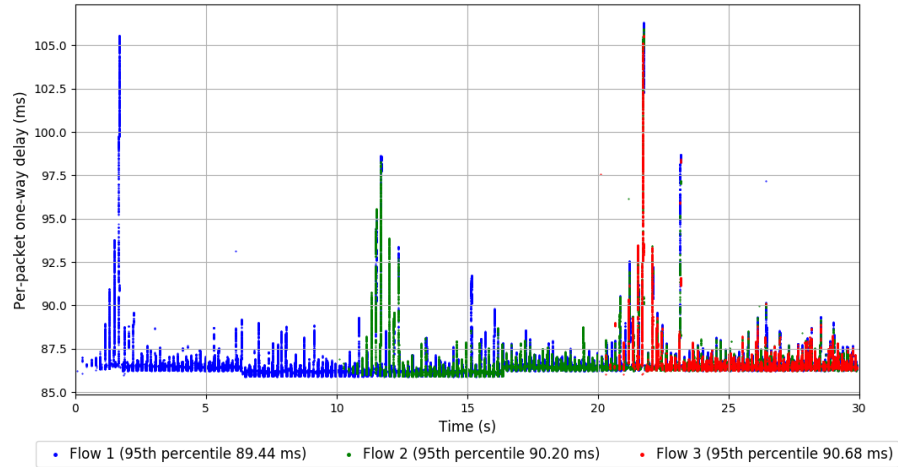
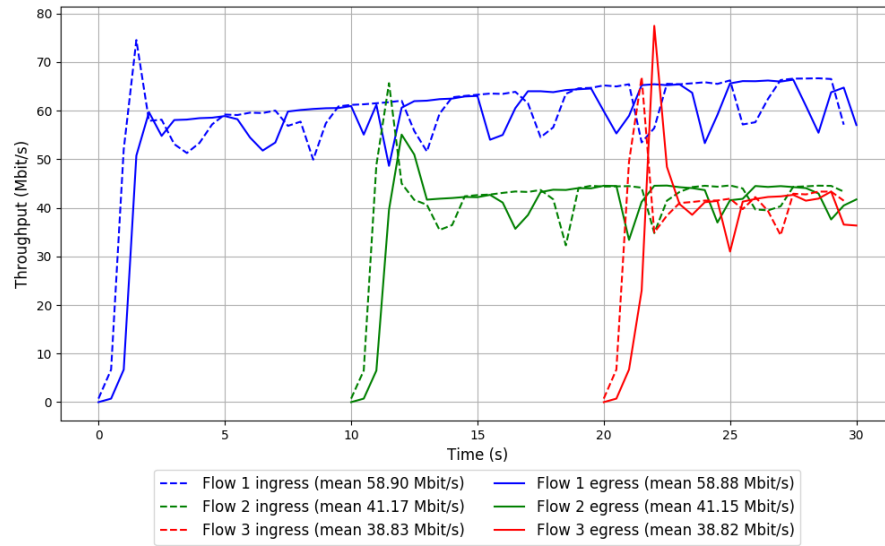
-- Flow 3:

Average throughput: 38.82 Mbit/s

95th percentile per-packet one-way delay: 90.677 ms

Loss rate: 1.88%

Run 5: Report of TCP Vegas — Data Link

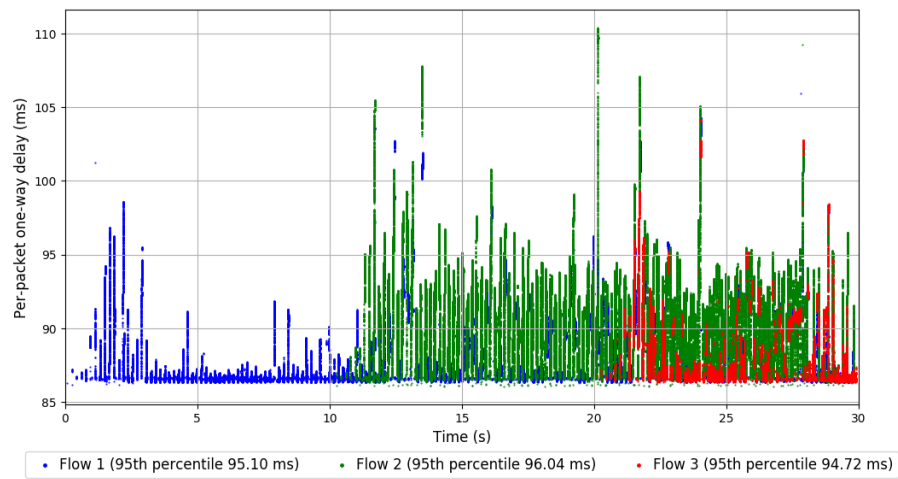
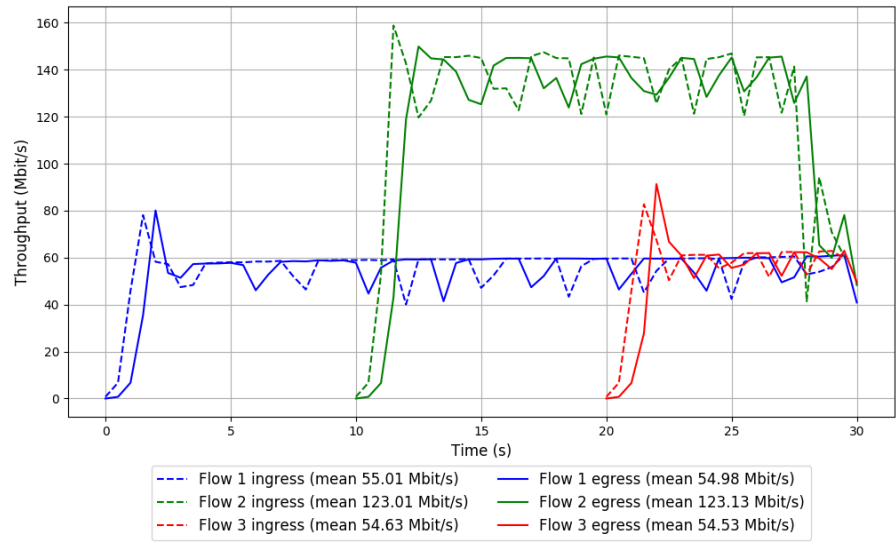


Run 6: Statistics of TCP Vegas

Start at: 2018-08-01 20:18:49
End at: 2018-08-01 20:19:19
Local clock offset: 0.184 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-08-02 00:44:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 154.28 Mbit/s
95th percentile per-packet one-way delay: 95.631 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 54.98 Mbit/s
95th percentile per-packet one-way delay: 95.104 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 123.13 Mbit/s
95th percentile per-packet one-way delay: 96.044 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 54.53 Mbit/s
95th percentile per-packet one-way delay: 94.720 ms
Loss rate: 1.93%

Run 6: Report of TCP Vegas — Data Link

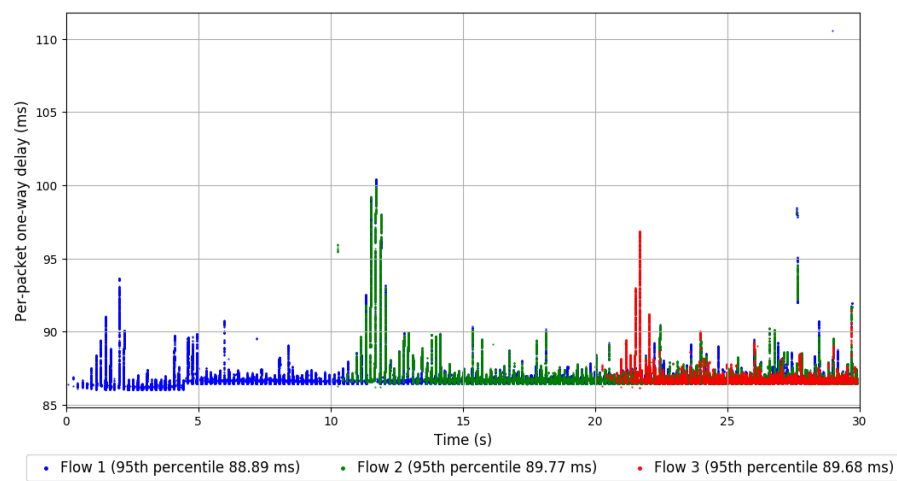
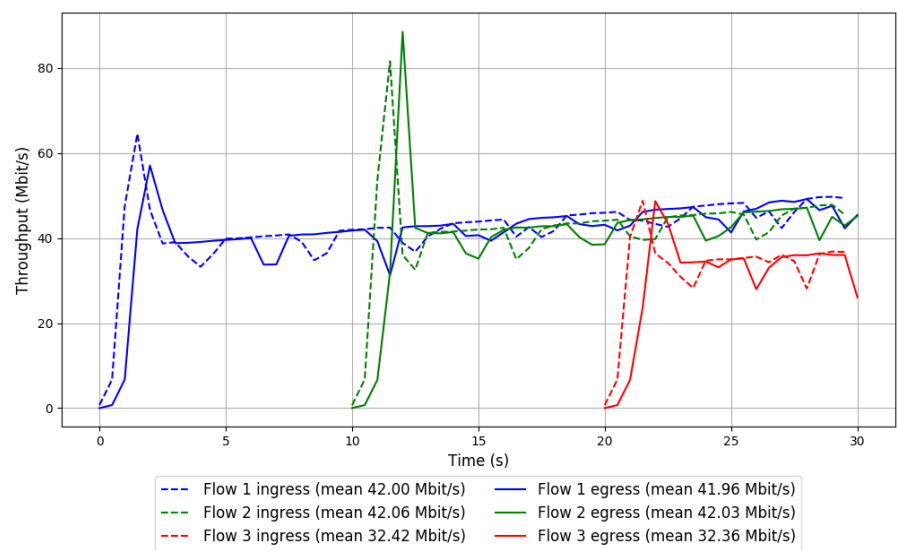


Run 7: Statistics of TCP Vegas

Start at: 2018-08-01 20:44:35
End at: 2018-08-01 20:45:05
Local clock offset: 0.285 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-08-02 00:44:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.48 Mbit/s
95th percentile per-packet one-way delay: 89.348 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 41.96 Mbit/s
95th percentile per-packet one-way delay: 88.890 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 42.03 Mbit/s
95th percentile per-packet one-way delay: 89.768 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 32.36 Mbit/s
95th percentile per-packet one-way delay: 89.676 ms
Loss rate: 1.92%

Run 7: Report of TCP Vegas — Data Link

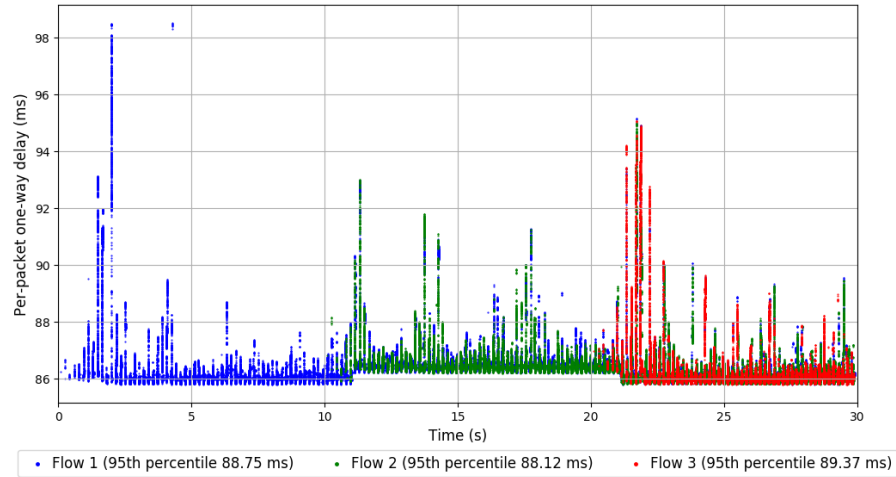
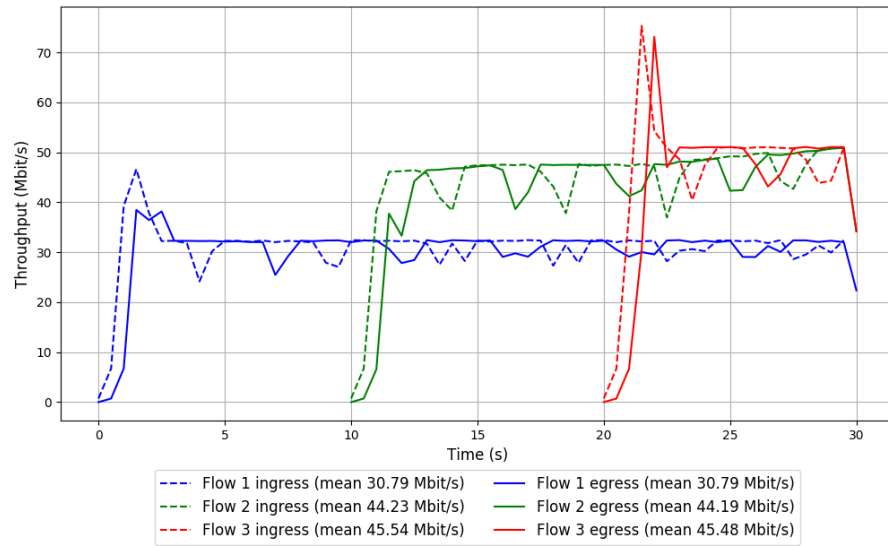


Run 8: Statistics of TCP Vegas

Start at: 2018-08-01 21:10:58
End at: 2018-08-01 21:11:28
Local clock offset: 0.019 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-08-02 00:44:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.03 Mbit/s
95th percentile per-packet one-way delay: 88.597 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 30.79 Mbit/s
95th percentile per-packet one-way delay: 88.749 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 44.19 Mbit/s
95th percentile per-packet one-way delay: 88.122 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 45.48 Mbit/s
95th percentile per-packet one-way delay: 89.372 ms
Loss rate: 1.87%

Run 8: Report of TCP Vegas — Data Link

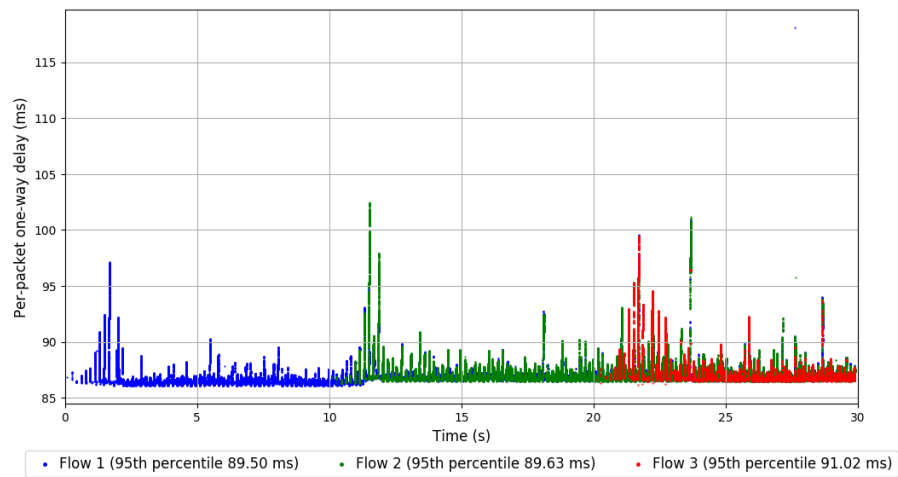
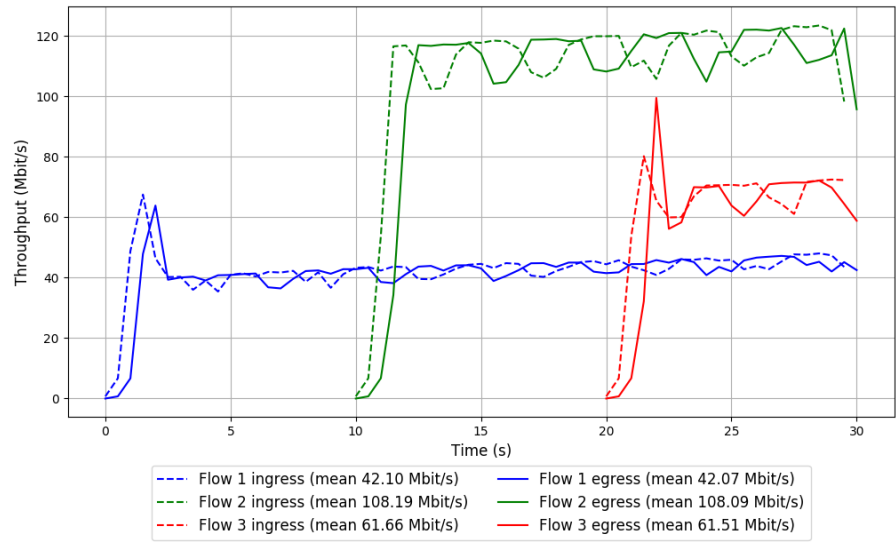


Run 9: Statistics of TCP Vegas

Start at: 2018-08-01 21:38:08
End at: 2018-08-01 21:38:38
Local clock offset: 0.232 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-08-02 00:44:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 134.03 Mbit/s
95th percentile per-packet one-way delay: 89.781 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 42.07 Mbit/s
95th percentile per-packet one-way delay: 89.496 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 108.09 Mbit/s
95th percentile per-packet one-way delay: 89.630 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 61.51 Mbit/s
95th percentile per-packet one-way delay: 91.018 ms
Loss rate: 1.98%

Run 9: Report of TCP Vegas — Data Link

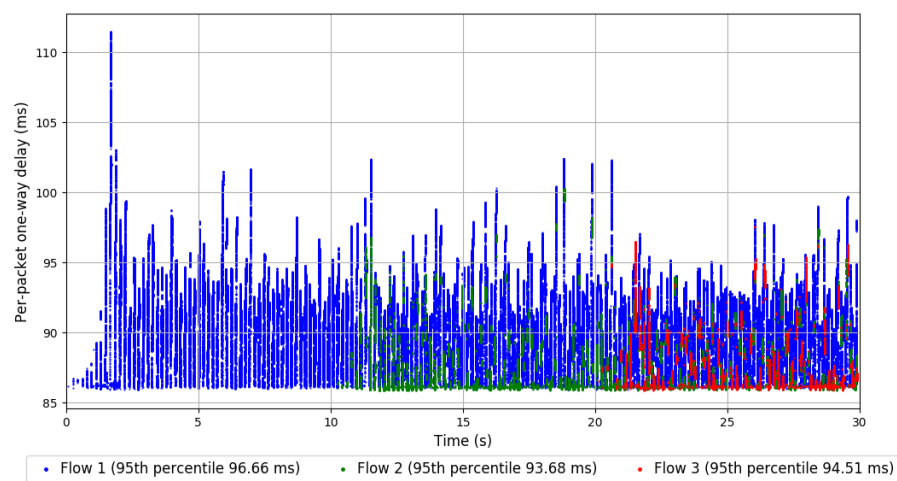
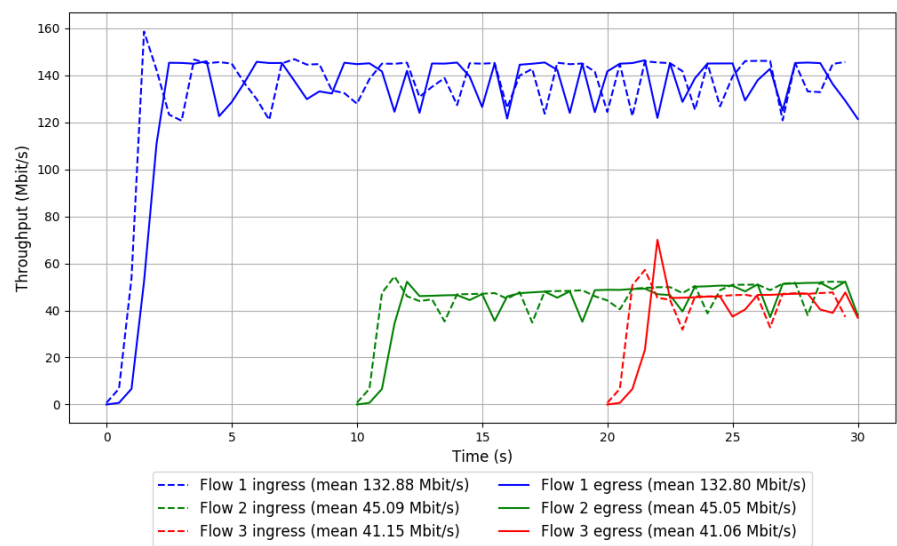


Run 10: Statistics of TCP Vegas

Start at: 2018-08-01 22:03:39
End at: 2018-08-01 22:04:09
Local clock offset: 0.045 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-08-02 00:44:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 176.19 Mbit/s
95th percentile per-packet one-way delay: 96.136 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 132.80 Mbit/s
95th percentile per-packet one-way delay: 96.660 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 45.05 Mbit/s
95th percentile per-packet one-way delay: 93.677 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 41.06 Mbit/s
95th percentile per-packet one-way delay: 94.514 ms
Loss rate: 1.94%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-08-01 17:58:32

End at: 2018-08-01 17:59:02

Local clock offset: 0.069 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-08-02 00:45:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 196.95 Mbit/s

95th percentile per-packet one-way delay: 106.683 ms

Loss rate: 1.53%

-- Flow 1:

Average throughput: 96.66 Mbit/s

95th percentile per-packet one-way delay: 105.322 ms

Loss rate: 0.90%

-- Flow 2:

Average throughput: 90.86 Mbit/s

95th percentile per-packet one-way delay: 110.930 ms

Loss rate: 0.05%

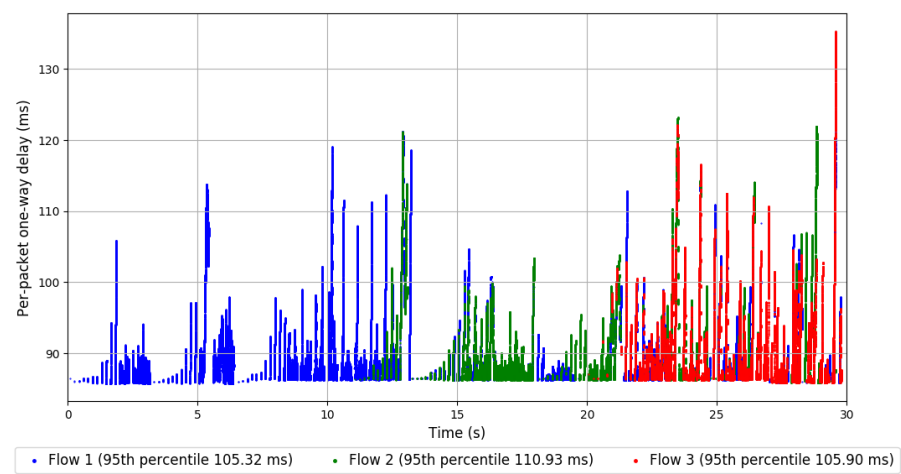
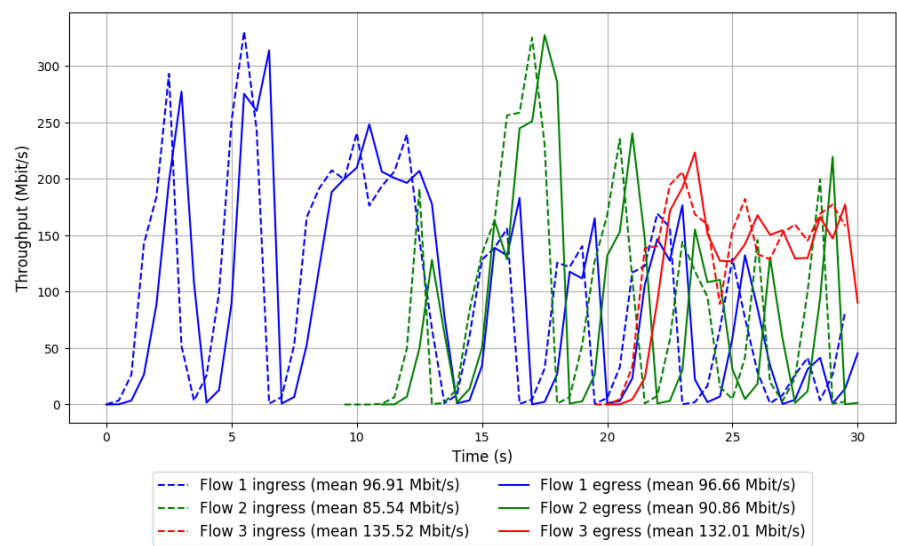
-- Flow 3:

Average throughput: 132.01 Mbit/s

95th percentile per-packet one-way delay: 105.904 ms

Loss rate: 4.75%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-08-01 18:23:40

End at: 2018-08-01 18:24:10

Local clock offset: 0.284 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-08-02 00:47:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 309.17 Mbit/s

95th percentile per-packet one-way delay: 204.386 ms

Loss rate: 1.72%

-- Flow 1:

Average throughput: 217.34 Mbit/s

95th percentile per-packet one-way delay: 206.853 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 78.34 Mbit/s

95th percentile per-packet one-way delay: 182.009 ms

Loss rate: 1.78%

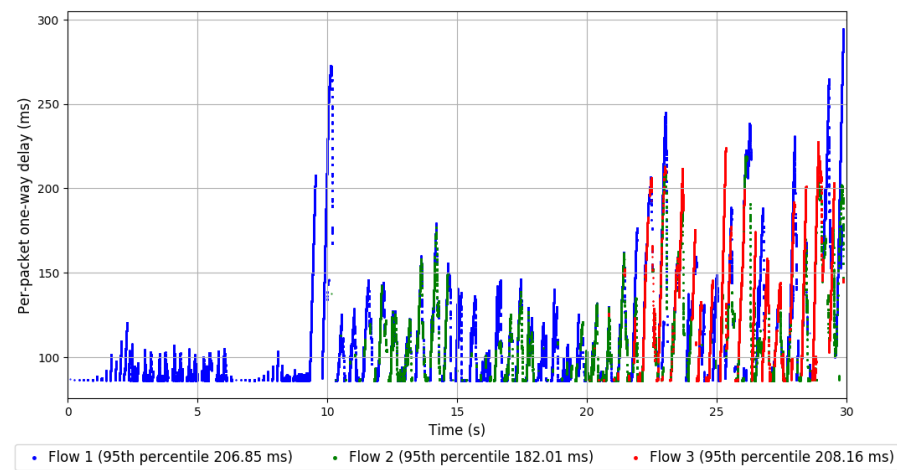
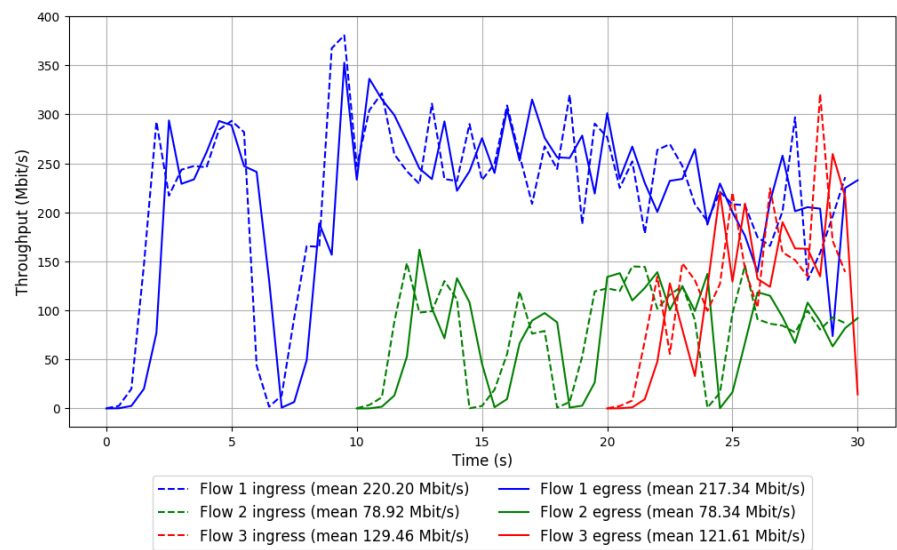
-- Flow 3:

Average throughput: 121.61 Mbit/s

95th percentile per-packet one-way delay: 208.164 ms

Loss rate: 6.37%

Run 2: Report of Verus — Data Link

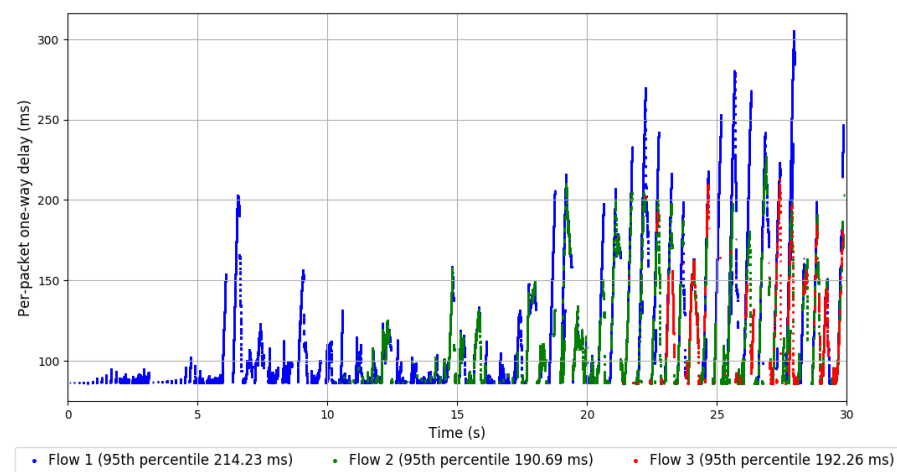
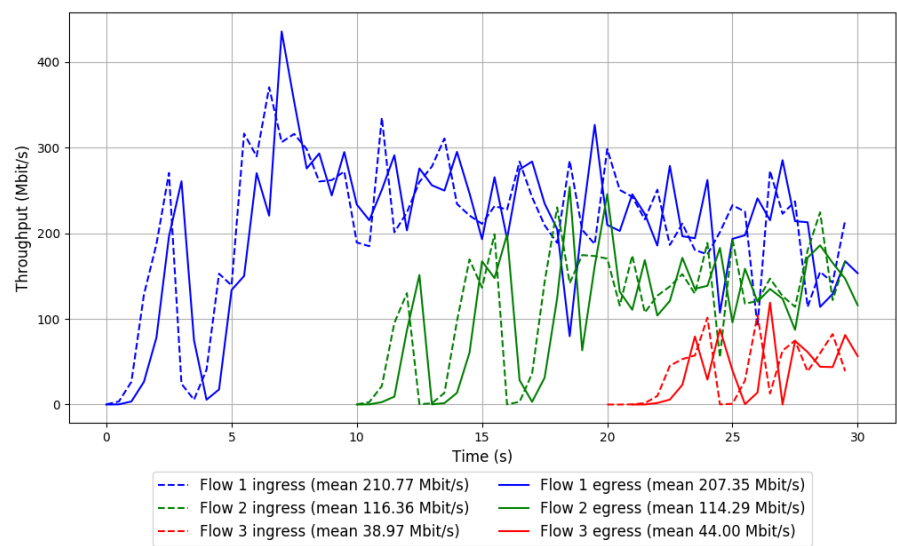


Run 3: Statistics of Verus

Start at: 2018-08-01 18:48:48
End at: 2018-08-01 18:49:18
Local clock offset: 0.294 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-08-02 00:47:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 295.76 Mbit/s
95th percentile per-packet one-way delay: 206.283 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 207.35 Mbit/s
95th percentile per-packet one-way delay: 214.234 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 114.29 Mbit/s
95th percentile per-packet one-way delay: 190.693 ms
Loss rate: 2.60%
-- Flow 3:
Average throughput: 44.00 Mbit/s
95th percentile per-packet one-way delay: 192.264 ms
Loss rate: 1.47%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-08-01 19:13:56

End at: 2018-08-01 19:14:26

Local clock offset: 0.065 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-08-02 00:47:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 247.08 Mbit/s

95th percentile per-packet one-way delay: 206.803 ms

Loss rate: 1.76%

-- Flow 1:

Average throughput: 214.61 Mbit/s

95th percentile per-packet one-way delay: 211.271 ms

Loss rate: 2.00%

-- Flow 2:

Average throughput: 55.40 Mbit/s

95th percentile per-packet one-way delay: 179.936 ms

Loss rate: 0.11%

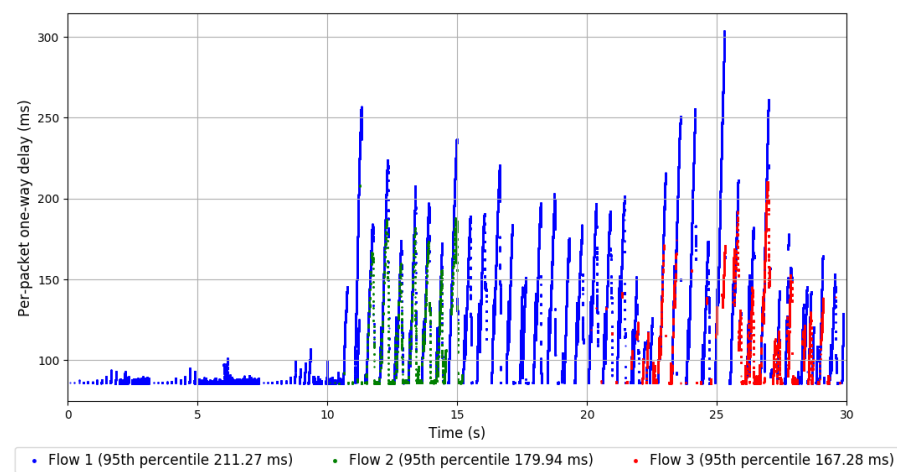
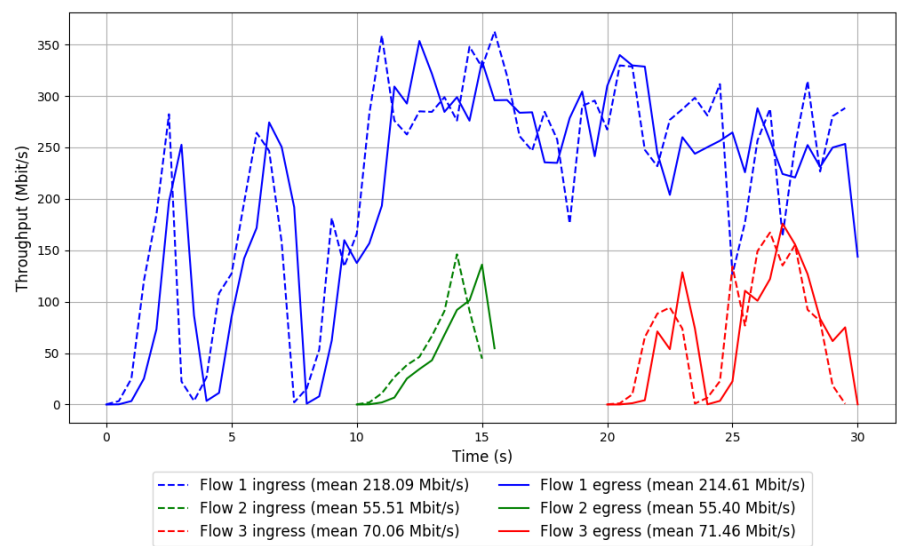
-- Flow 3:

Average throughput: 71.46 Mbit/s

95th percentile per-packet one-way delay: 167.277 ms

Loss rate: 0.14%

Run 4: Report of Verus — Data Link

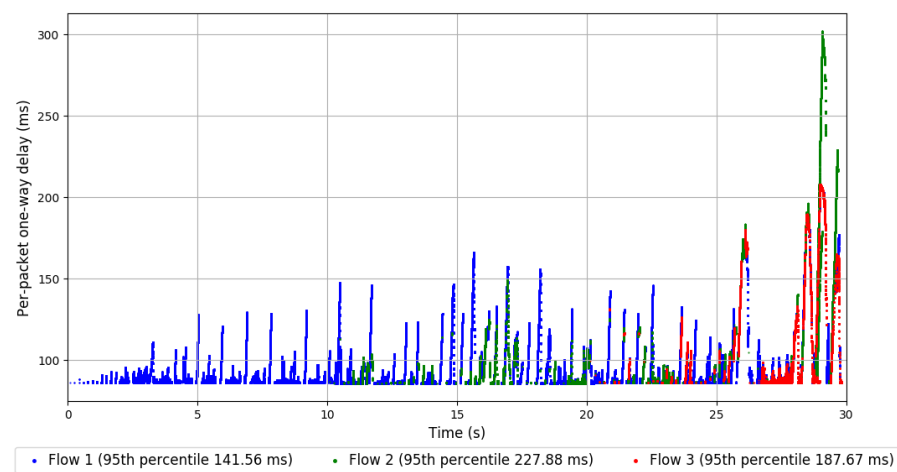
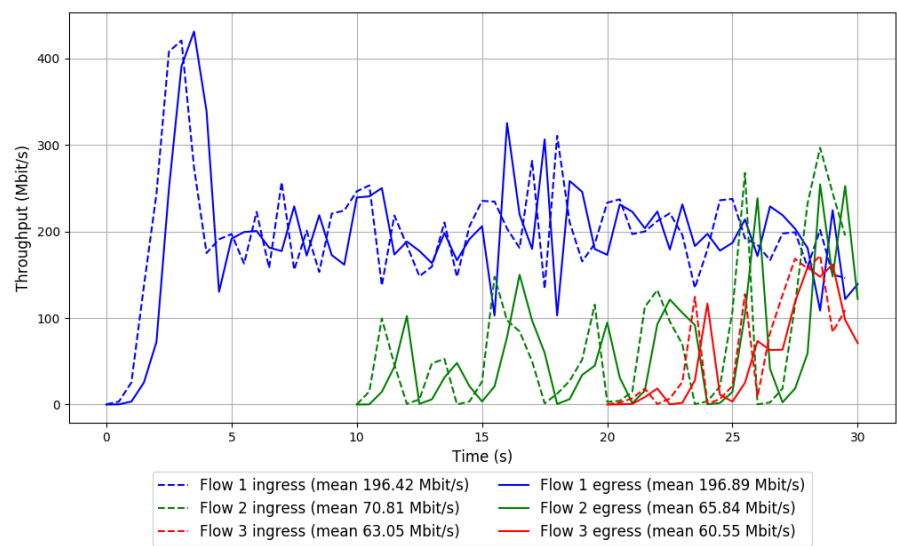


Run 5: Statistics of Verus

Start at: 2018-08-01 19:39:09
End at: 2018-08-01 19:39:39
Local clock offset: -0.016 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-08-02 00:47:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 259.77 Mbit/s
95th percentile per-packet one-way delay: 166.704 ms
Loss rate: 2.59%
-- Flow 1:
Average throughput: 196.89 Mbit/s
95th percentile per-packet one-way delay: 141.556 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 65.84 Mbit/s
95th percentile per-packet one-way delay: 227.883 ms
Loss rate: 8.76%
-- Flow 3:
Average throughput: 60.55 Mbit/s
95th percentile per-packet one-way delay: 187.674 ms
Loss rate: 6.46%

Run 5: Report of Verus — Data Link

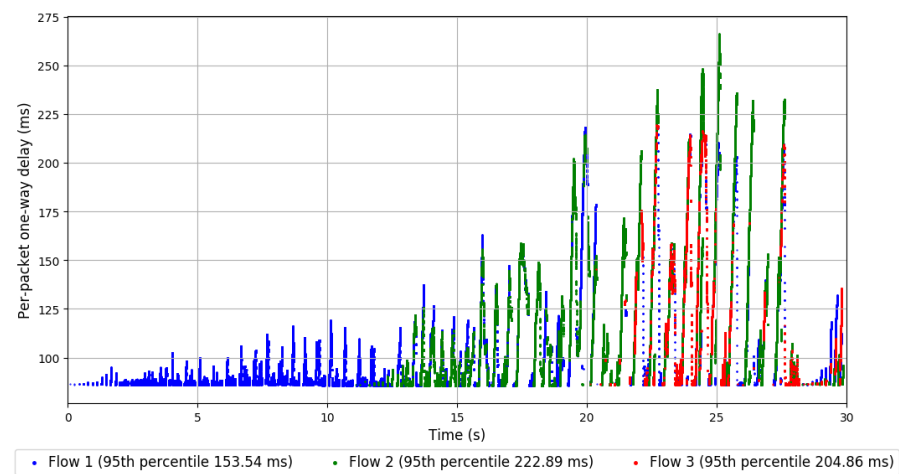
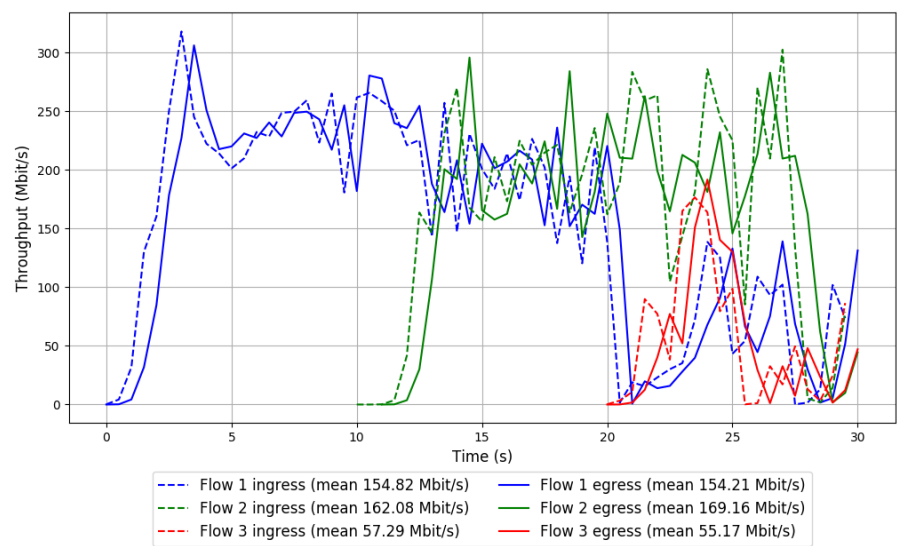


Run 6: Statistics of Verus

Start at: 2018-08-01 20:04:19
End at: 2018-08-01 20:04:49
Local clock offset: -0.107 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-08-02 00:48:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 278.47 Mbit/s
95th percentile per-packet one-way delay: 202.986 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 154.21 Mbit/s
95th percentile per-packet one-way delay: 153.538 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 169.16 Mbit/s
95th percentile per-packet one-way delay: 222.887 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 55.17 Mbit/s
95th percentile per-packet one-way delay: 204.857 ms
Loss rate: 5.44%

Run 6: Report of Verus — Data Link

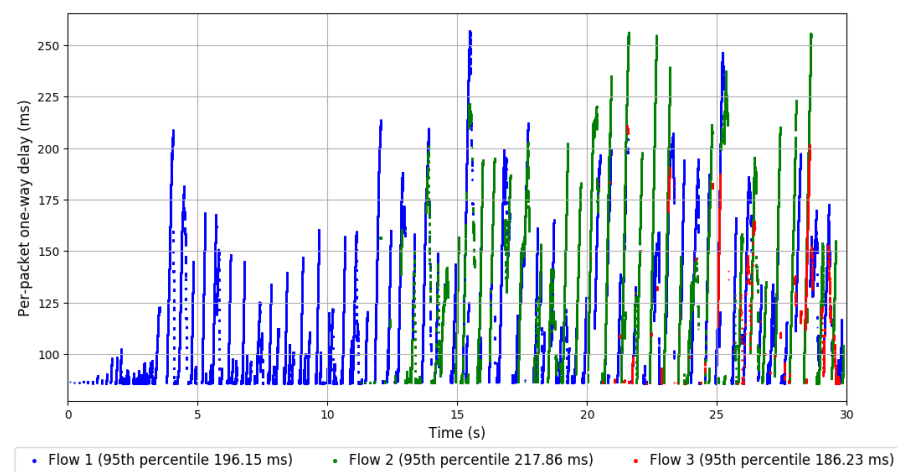
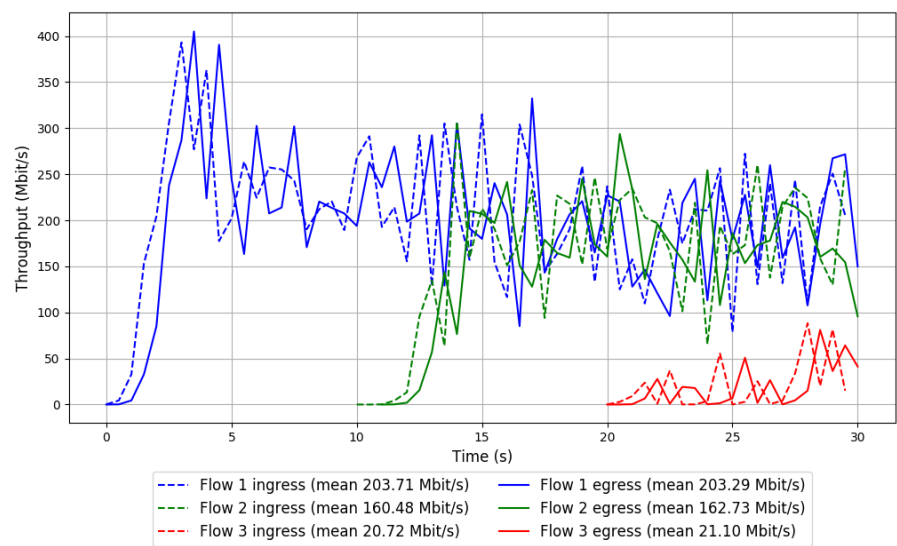


Run 7: Statistics of Verus

Start at: 2018-08-01 20:29:37
End at: 2018-08-01 20:30:07
Local clock offset: 0.102 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-08-02 00:50:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 312.19 Mbit/s
95th percentile per-packet one-way delay: 206.611 ms
Loss rate: 2.12%
-- Flow 1:
Average throughput: 203.29 Mbit/s
95th percentile per-packet one-way delay: 196.148 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 162.73 Mbit/s
95th percentile per-packet one-way delay: 217.858 ms
Loss rate: 4.63%
-- Flow 3:
Average throughput: 21.10 Mbit/s
95th percentile per-packet one-way delay: 186.228 ms
Loss rate: 0.59%

Run 7: Report of Verus — Data Link

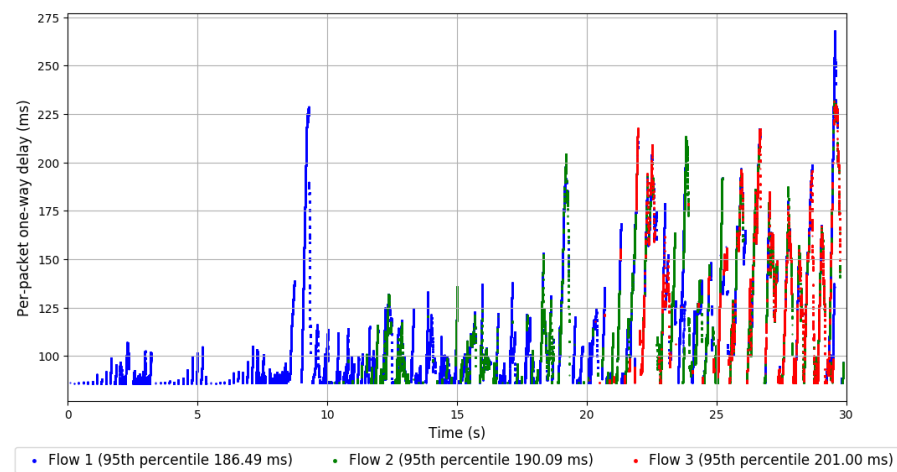
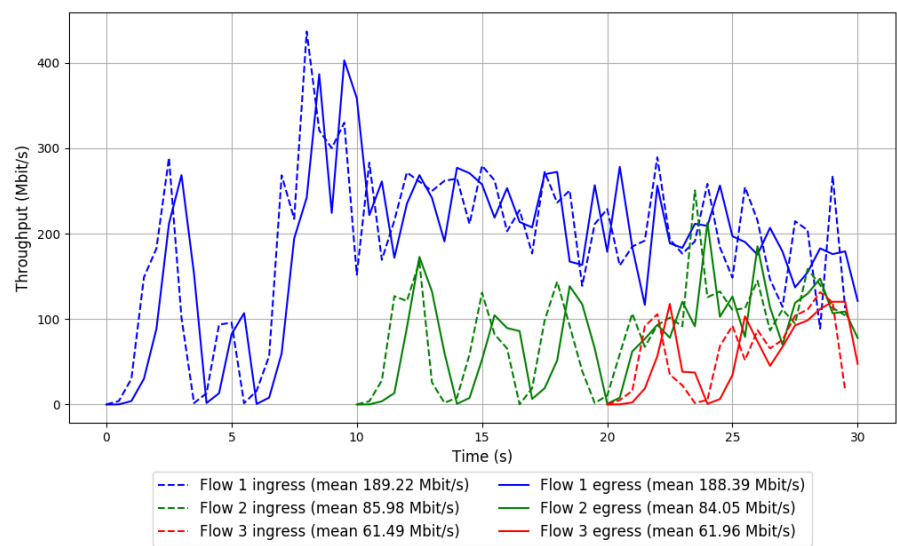


Run 8: Statistics of Verus

Start at: 2018-08-01 20:56:03
End at: 2018-08-01 20:56:33
Local clock offset: 0.003 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-08-02 00:50:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 264.26 Mbit/s
95th percentile per-packet one-way delay: 188.961 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 188.39 Mbit/s
95th percentile per-packet one-way delay: 186.492 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 84.05 Mbit/s
95th percentile per-packet one-way delay: 190.085 ms
Loss rate: 3.10%
-- Flow 3:
Average throughput: 61.96 Mbit/s
95th percentile per-packet one-way delay: 200.995 ms
Loss rate: 1.03%

Run 8: Report of Verus — Data Link

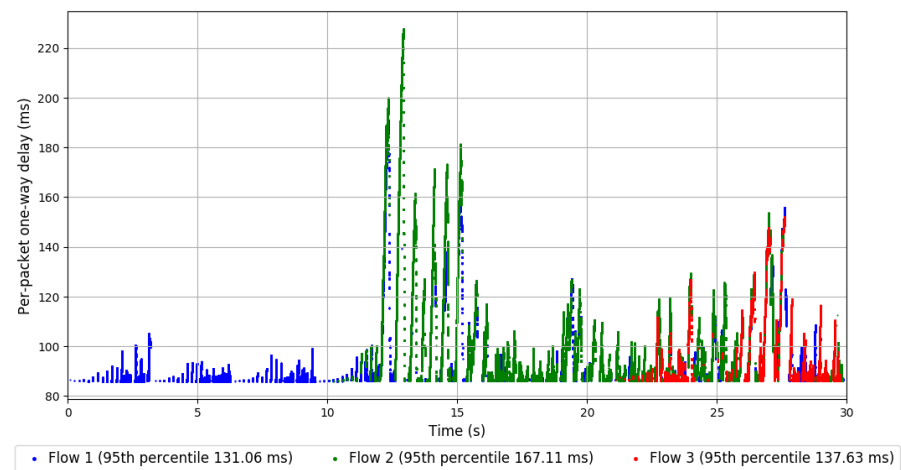
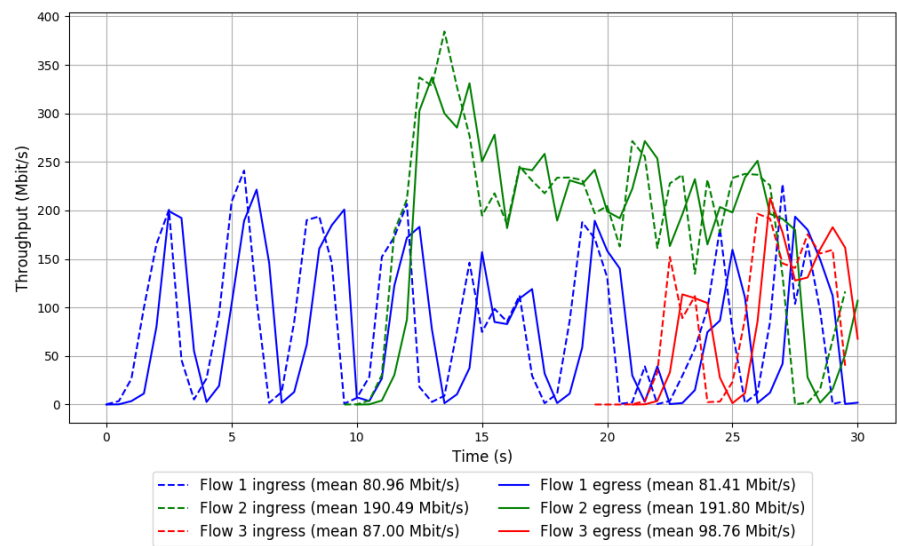


Run 9: Statistics of Verus

Start at: 2018-08-01 21:22:38
End at: 2018-08-01 21:23:08
Local clock offset: -0.001 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-08-02 00:50:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 237.39 Mbit/s
95th percentile per-packet one-way delay: 152.312 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 81.41 Mbit/s
95th percentile per-packet one-way delay: 131.056 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 191.80 Mbit/s
95th percentile per-packet one-way delay: 167.109 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 98.76 Mbit/s
95th percentile per-packet one-way delay: 137.627 ms
Loss rate: 0.00%

Run 9: Report of Verus — Data Link

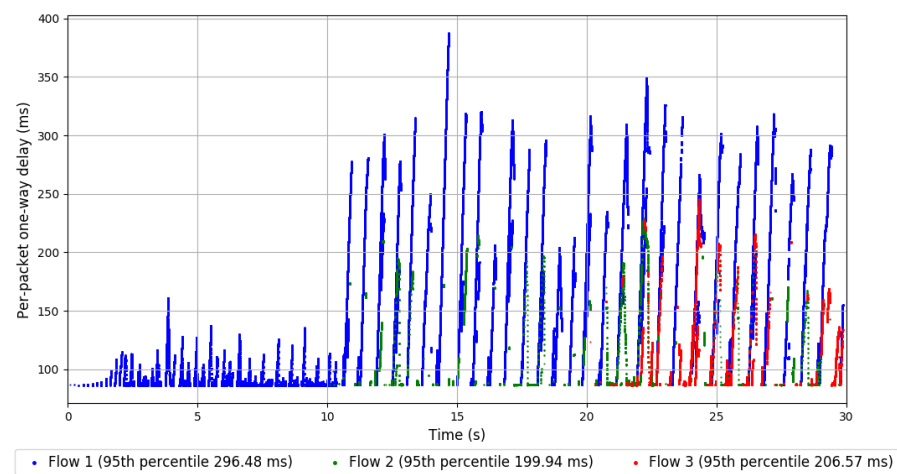
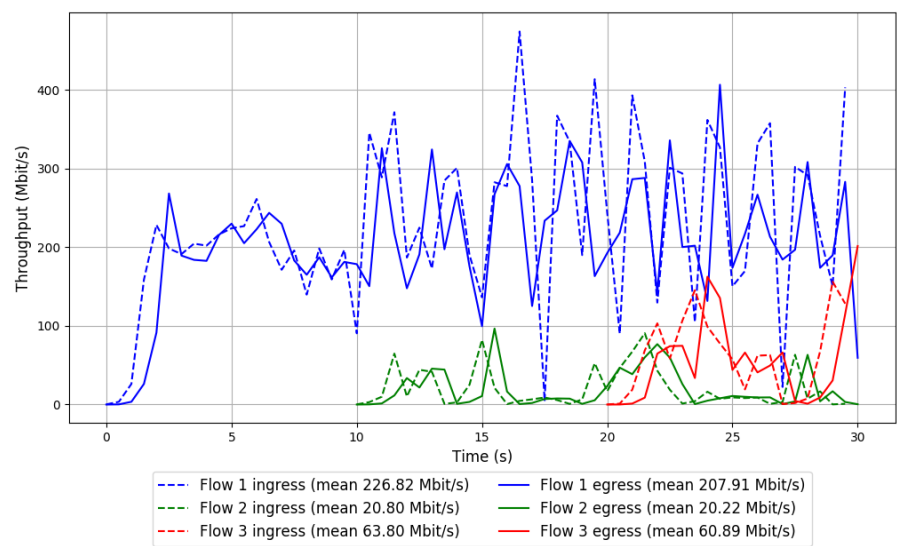


Run 10: Statistics of Verus

Start at: 2018-08-01 21:49:09
End at: 2018-08-01 21:49:39
Local clock offset: 0.068 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-08-02 00:51:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 241.11 Mbit/s
95th percentile per-packet one-way delay: 293.122 ms
Loss rate: 8.22%
-- Flow 1:
Average throughput: 207.91 Mbit/s
95th percentile per-packet one-way delay: 296.484 ms
Loss rate: 8.81%
-- Flow 2:
Average throughput: 20.22 Mbit/s
95th percentile per-packet one-way delay: 199.945 ms
Loss rate: 3.61%
-- Flow 3:
Average throughput: 60.89 Mbit/s
95th percentile per-packet one-way delay: 206.571 ms
Loss rate: 4.80%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-08-01 18:09:53

End at: 2018-08-01 18:10:23

Local clock offset: 0.138 ms

Remote clock offset: 0.08 ms

Below is generated by plot.py at 2018-08-02 00:55:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 417.75 Mbit/s

95th percentile per-packet one-way delay: 87.375 ms

Loss rate: 1.04%

-- Flow 1:

Average throughput: 205.84 Mbit/s

95th percentile per-packet one-way delay: 88.643 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 250.56 Mbit/s

95th percentile per-packet one-way delay: 86.984 ms

Loss rate: 1.25%

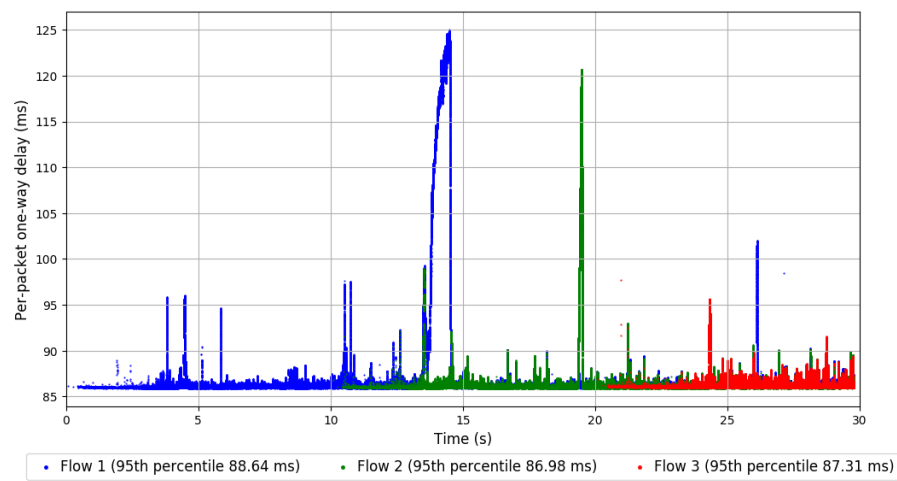
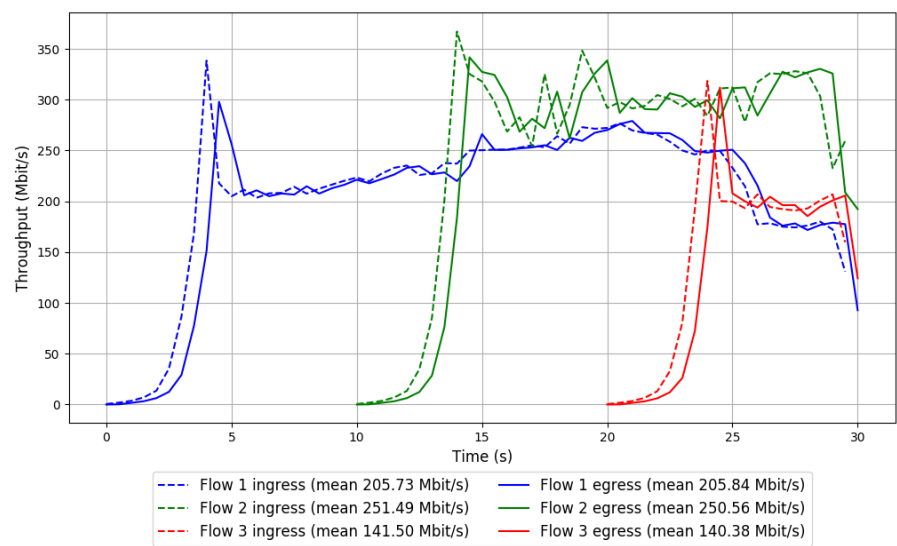
-- Flow 3:

Average throughput: 140.38 Mbit/s

95th percentile per-packet one-way delay: 87.314 ms

Loss rate: 2.55%

Run 1: Report of PCC-Vivace — Data Link

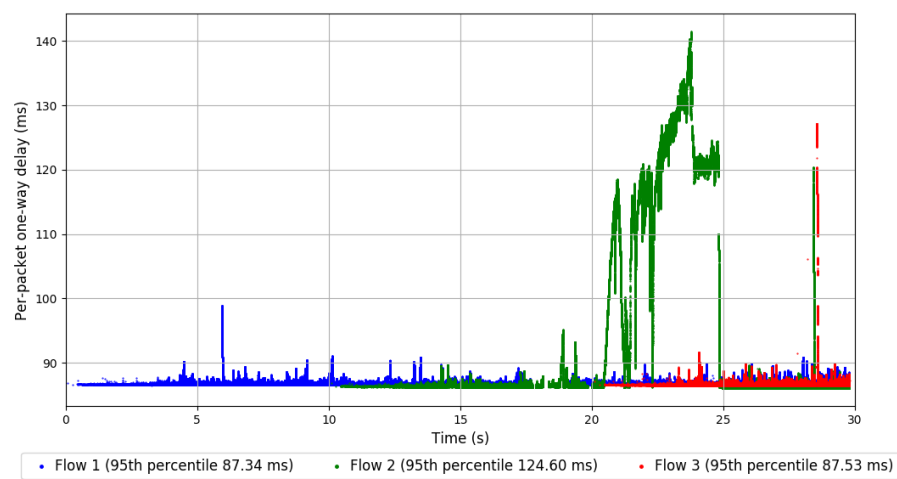
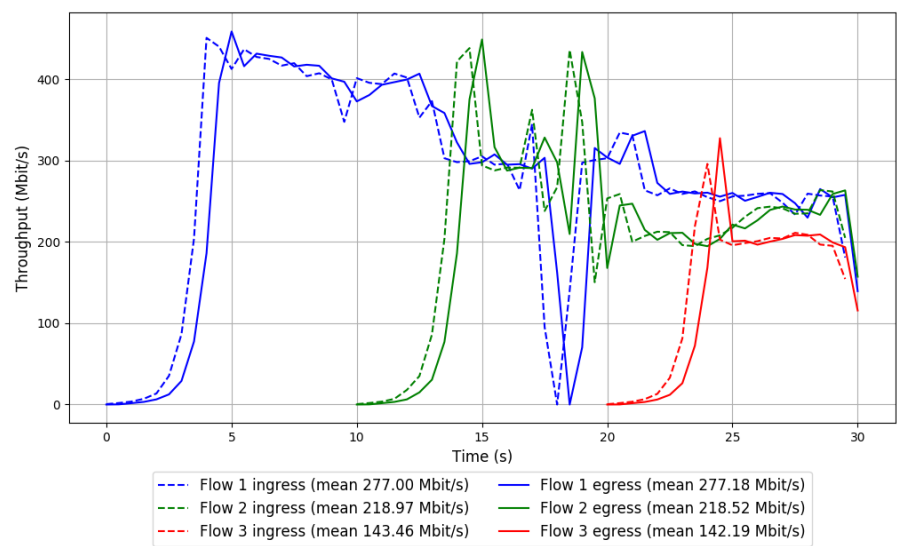


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-01 18:34:58
End at: 2018-08-01 18:35:28
Local clock offset: 0.318 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-08-02 00:57:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 468.44 Mbit/s
95th percentile per-packet one-way delay: 112.189 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 277.18 Mbit/s
95th percentile per-packet one-way delay: 87.336 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 218.52 Mbit/s
95th percentile per-packet one-way delay: 124.596 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 142.19 Mbit/s
95th percentile per-packet one-way delay: 87.532 ms
Loss rate: 2.62%

Run 2: Report of PCC-Vivace — Data Link

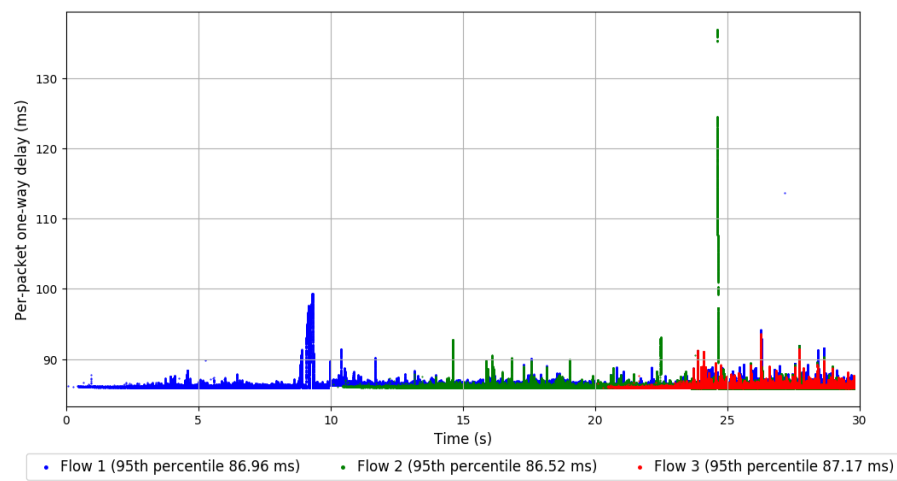
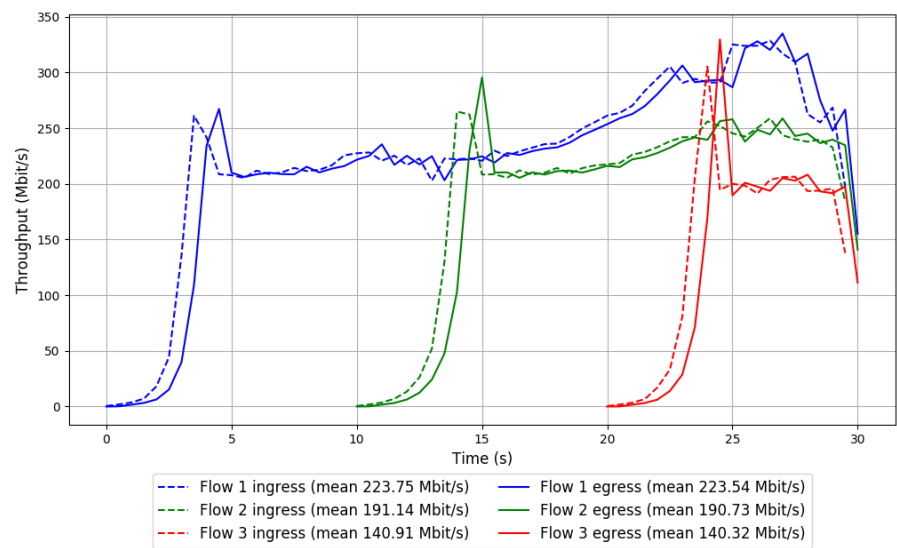


Run 3: Statistics of PCC-Vivace

Start at: 2018-08-01 19:00:19
End at: 2018-08-01 19:00:49
Local clock offset: 0.132 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-08-02 00:57:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 395.72 Mbit/s
95th percentile per-packet one-way delay: 86.874 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 223.54 Mbit/s
95th percentile per-packet one-way delay: 86.958 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 190.73 Mbit/s
95th percentile per-packet one-way delay: 86.517 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 140.32 Mbit/s
95th percentile per-packet one-way delay: 87.171 ms
Loss rate: 2.16%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-08-01 19:25:22

End at: 2018-08-01 19:25:52

Local clock offset: 0.203 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-08-02 00:57:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 462.19 Mbit/s

95th percentile per-packet one-way delay: 87.356 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 287.25 Mbit/s

95th percentile per-packet one-way delay: 87.799 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 189.27 Mbit/s

95th percentile per-packet one-way delay: 87.199 ms

Loss rate: 0.93%

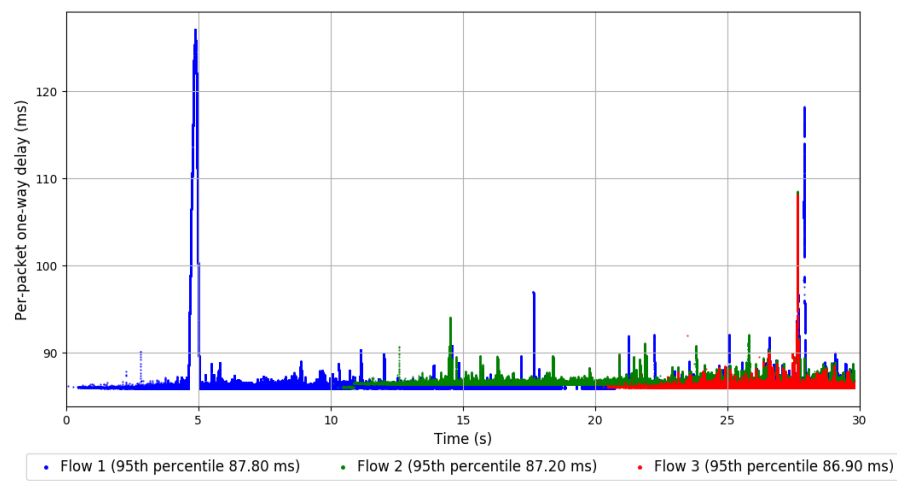
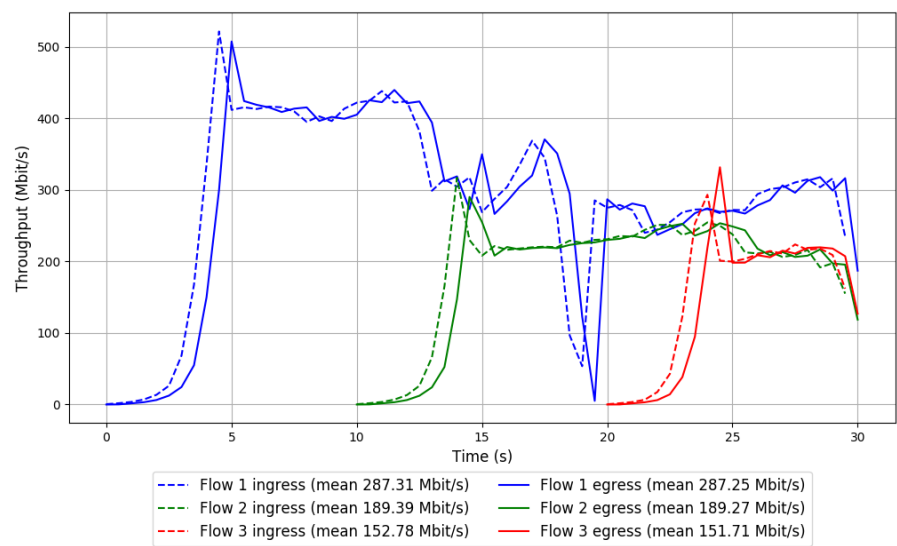
-- Flow 3:

Average throughput: 151.71 Mbit/s

95th percentile per-packet one-way delay: 86.897 ms

Loss rate: 2.44%

Run 4: Report of PCC-Vivace — Data Link

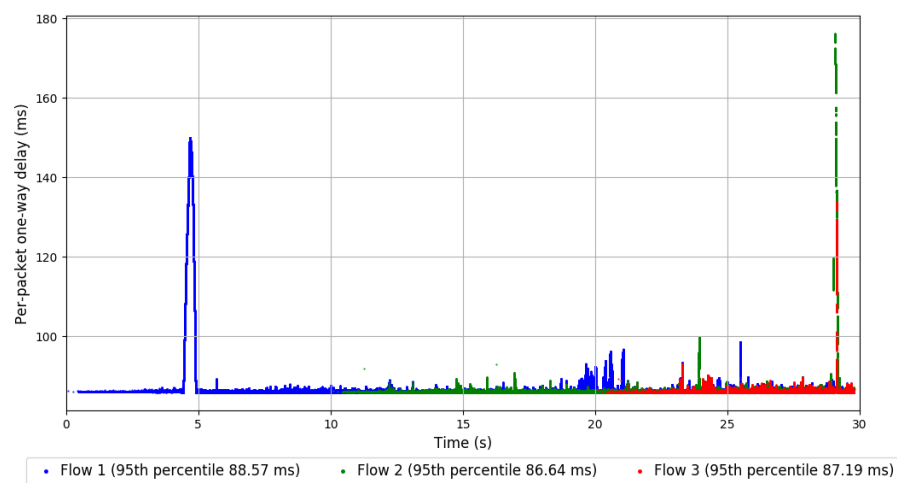
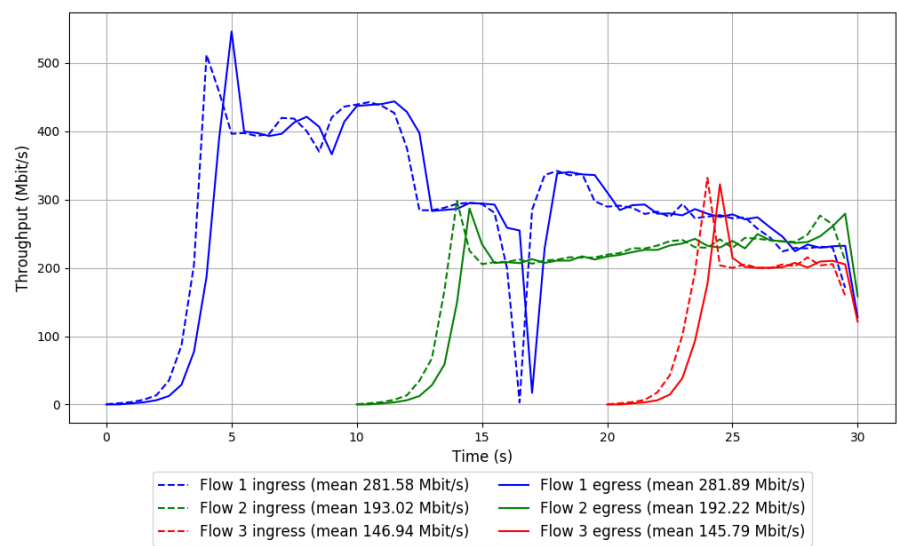


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-01 19:50:28
End at: 2018-08-01 19:50:58
Local clock offset: 0.101 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-08-02 00:59:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 456.93 Mbit/s
95th percentile per-packet one-way delay: 87.570 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 281.89 Mbit/s
95th percentile per-packet one-way delay: 88.567 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 192.22 Mbit/s
95th percentile per-packet one-way delay: 86.643 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 145.79 Mbit/s
95th percentile per-packet one-way delay: 87.195 ms
Loss rate: 2.52%

Run 5: Report of PCC-Vivace — Data Link

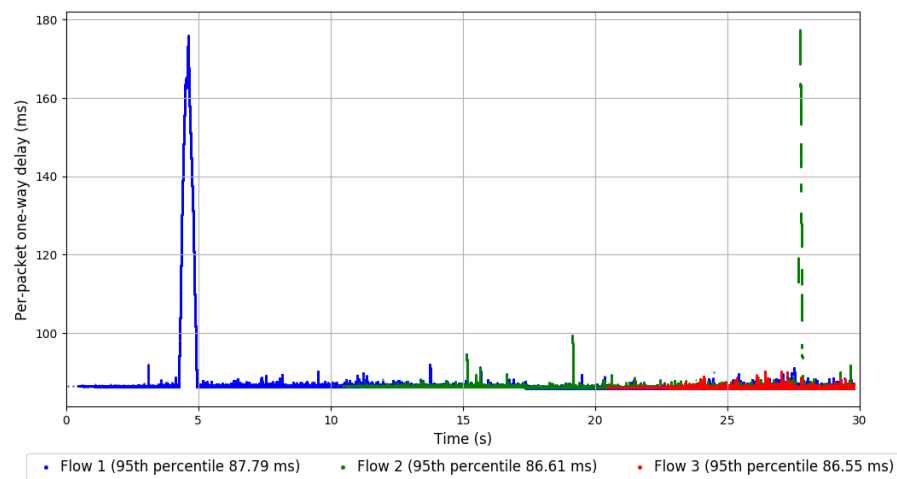
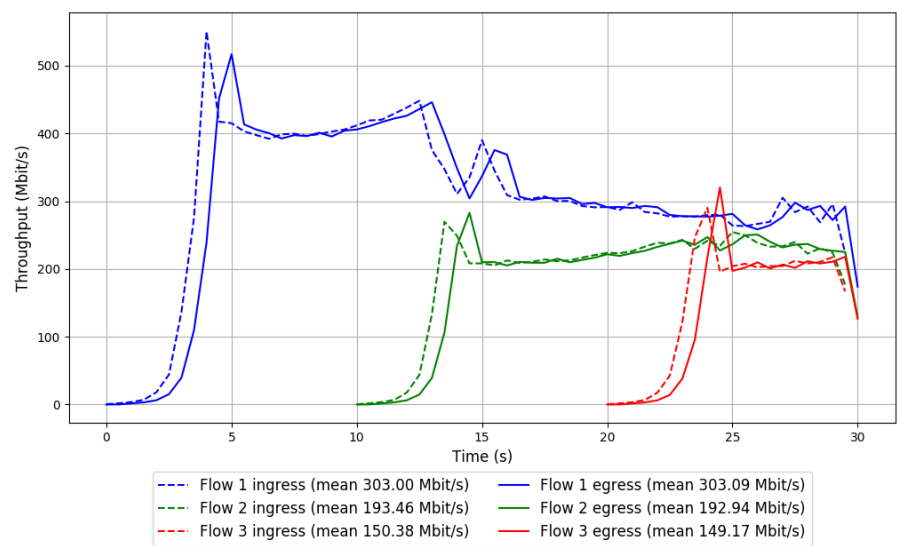


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-01 20:15:42
End at: 2018-08-01 20:16:12
Local clock offset: 0.153 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-08-02 00:59:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 479.64 Mbit/s
95th percentile per-packet one-way delay: 87.160 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 303.09 Mbit/s
95th percentile per-packet one-way delay: 87.788 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 192.94 Mbit/s
95th percentile per-packet one-way delay: 86.606 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 149.17 Mbit/s
95th percentile per-packet one-way delay: 86.547 ms
Loss rate: 2.58%

Run 6: Report of PCC-Vivace — Data Link

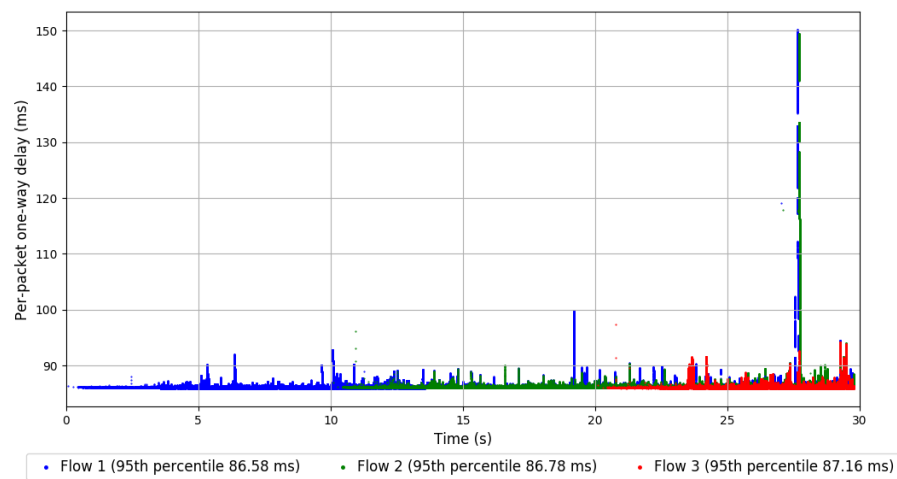
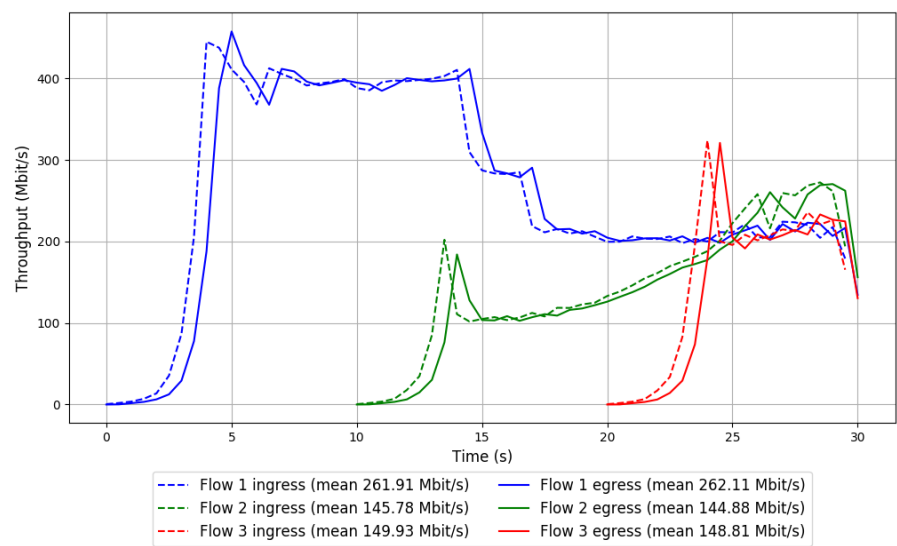


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-01 20:41:25
End at: 2018-08-01 20:41:55
Local clock offset: 0.154 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-08-02 00:59:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 406.65 Mbit/s
95th percentile per-packet one-way delay: 86.683 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 262.11 Mbit/s
95th percentile per-packet one-way delay: 86.576 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 144.88 Mbit/s
95th percentile per-packet one-way delay: 86.783 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 148.81 Mbit/s
95th percentile per-packet one-way delay: 87.155 ms
Loss rate: 2.49%

Run 7: Report of PCC-Vivace — Data Link

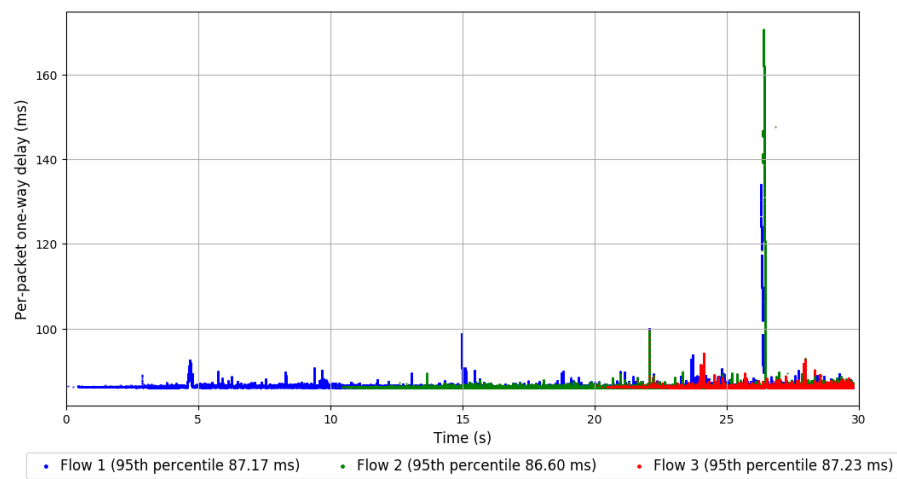
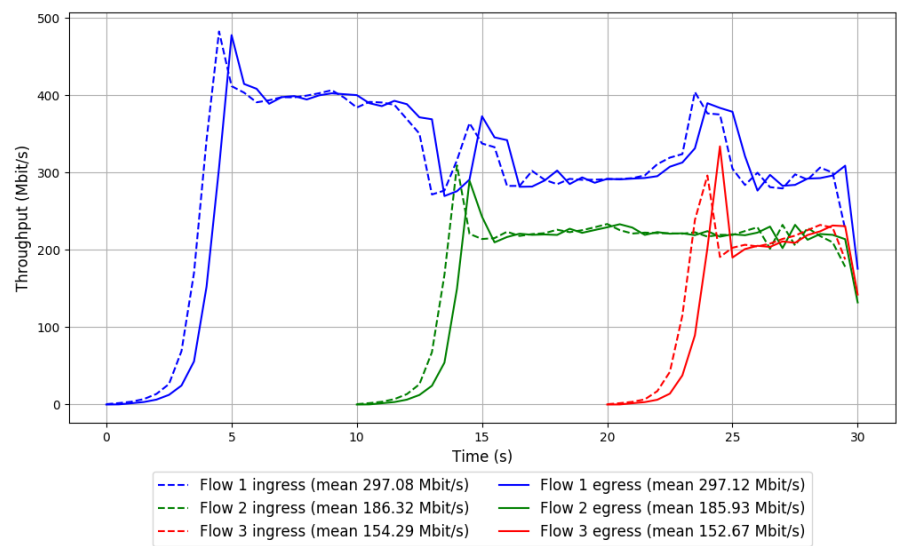


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-01 21:07:44
End at: 2018-08-01 21:08:14
Local clock offset: 0.235 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-08-02 00:59:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 470.16 Mbit/s
95th percentile per-packet one-way delay: 87.015 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 297.12 Mbit/s
95th percentile per-packet one-way delay: 87.168 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 185.93 Mbit/s
95th percentile per-packet one-way delay: 86.597 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 152.67 Mbit/s
95th percentile per-packet one-way delay: 87.232 ms
Loss rate: 2.80%

Run 8: Report of PCC-Vivace — Data Link

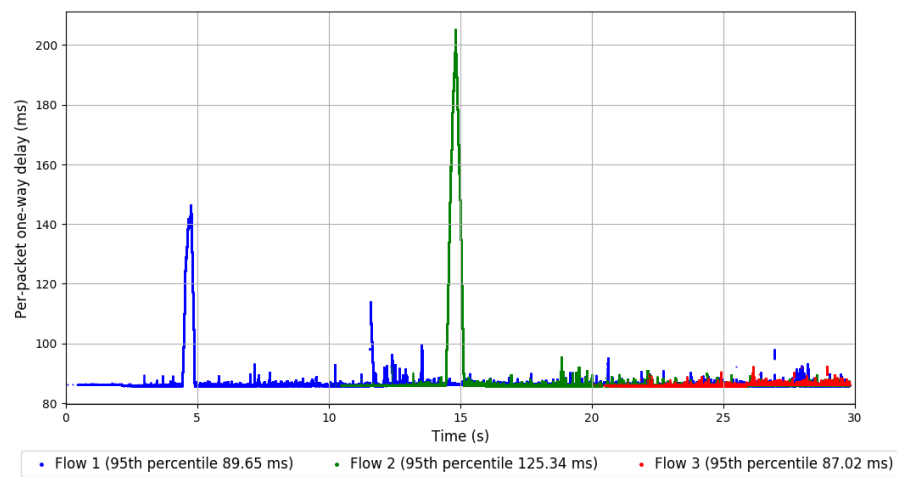
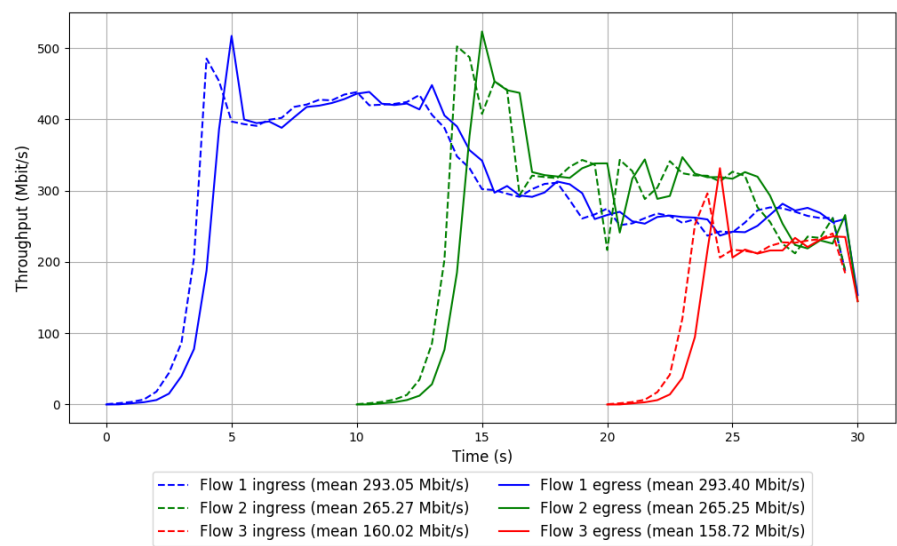


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-01 21:34:57
End at: 2018-08-01 21:35:27
Local clock offset: -0.153 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-08-02 01:00:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 520.99 Mbit/s
95th percentile per-packet one-way delay: 90.441 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 293.40 Mbit/s
95th percentile per-packet one-way delay: 89.650 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 265.25 Mbit/s
95th percentile per-packet one-way delay: 125.337 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 158.72 Mbit/s
95th percentile per-packet one-way delay: 87.020 ms
Loss rate: 2.56%

Run 9: Report of PCC-Vivace — Data Link

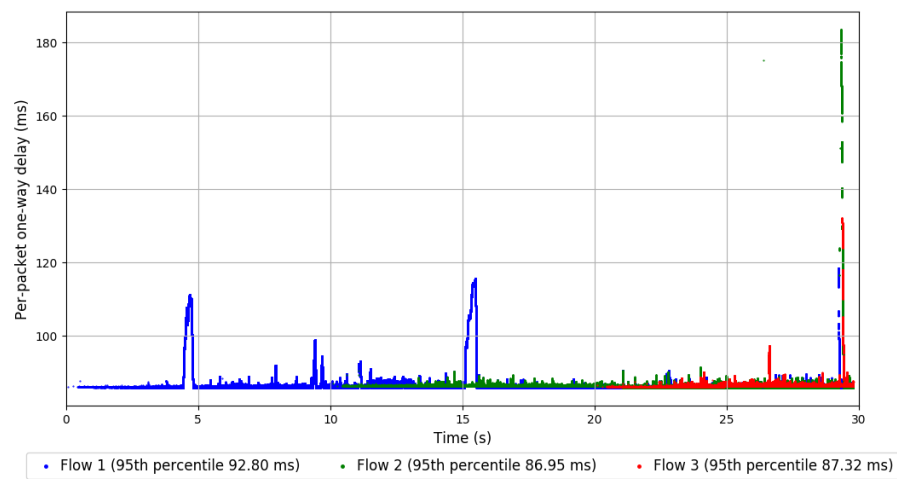
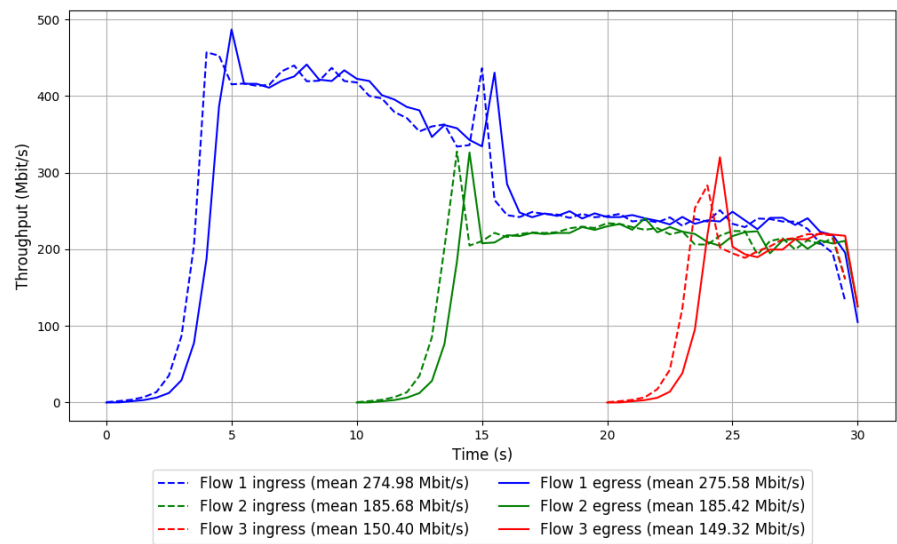


Run 10: Statistics of PCC-Vivace

Start at: 2018-08-01 22:00:38
End at: 2018-08-01 22:01:08
Local clock offset: 0.065 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-08-02 01:00:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 447.20 Mbit/s
95th percentile per-packet one-way delay: 88.669 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 275.58 Mbit/s
95th percentile per-packet one-way delay: 92.801 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 185.42 Mbit/s
95th percentile per-packet one-way delay: 86.954 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 149.32 Mbit/s
95th percentile per-packet one-way delay: 87.324 ms
Loss rate: 2.46%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-08-01 18:08:42

End at: 2018-08-01 18:09:12

Local clock offset: 0.024 ms

Remote clock offset: 0.061 ms

Below is generated by plot.py at 2018-08-02 01:00:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.08 Mbit/s

95th percentile per-packet one-way delay: 86.237 ms

Loss rate: 1.25%

-- Flow 1:

Average throughput: 1.57 Mbit/s

95th percentile per-packet one-way delay: 86.121 ms

Loss rate: 0.87%

-- Flow 2:

Average throughput: 1.12 Mbit/s

95th percentile per-packet one-way delay: 86.218 ms

Loss rate: 1.21%

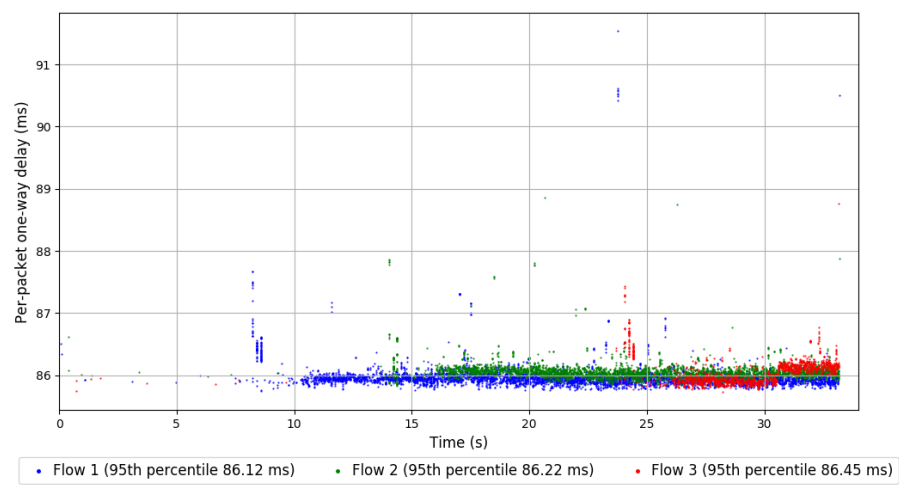
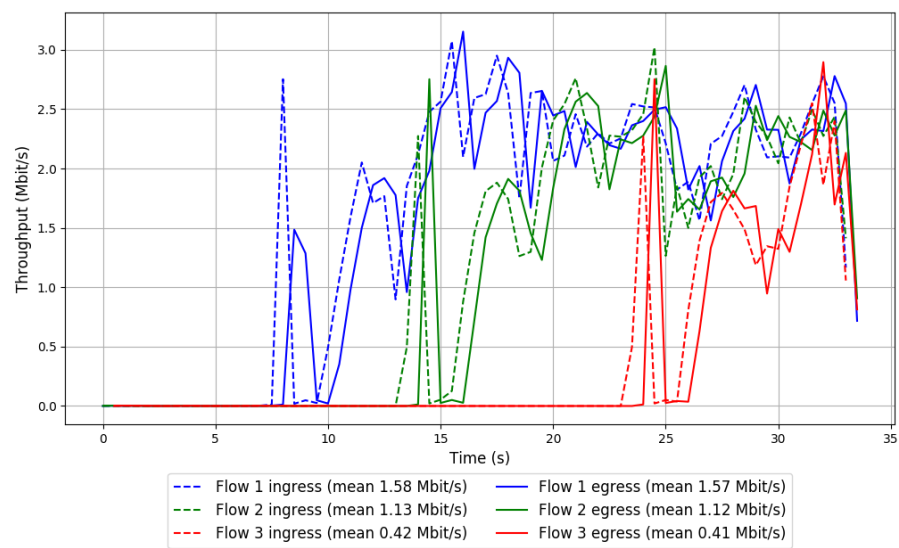
-- Flow 3:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 86.453 ms

Loss rate: 2.81%

Run 1: Report of WebRTC media — Data Link

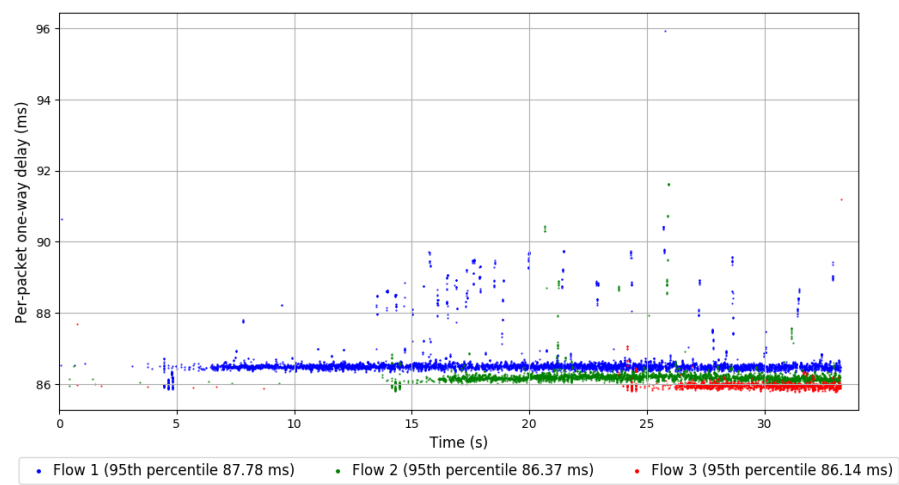
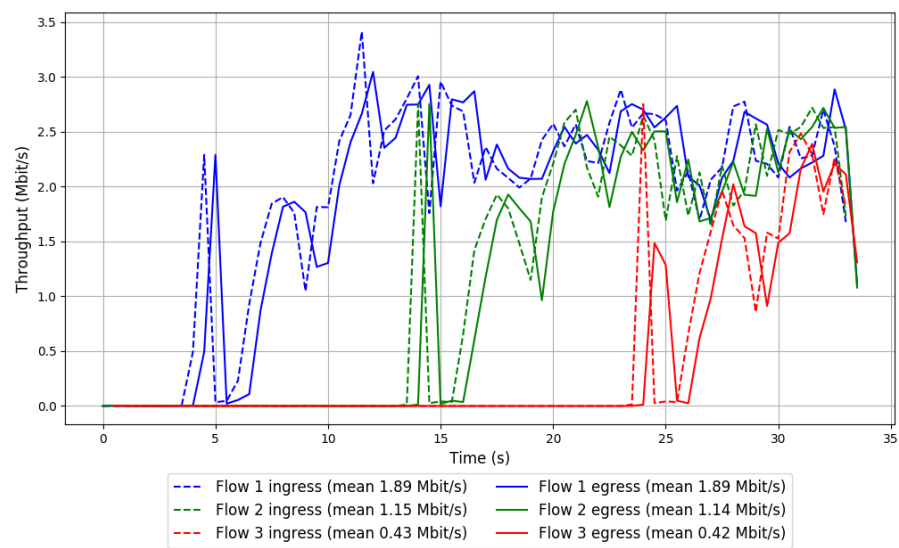


Run 2: Statistics of WebRTC media

Start at: 2018-08-01 18:33:46
End at: 2018-08-01 18:34:16
Local clock offset: 0.082 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-08-02 01:00:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 86.675 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 87.785 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 86.370 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 86.142 ms
Loss rate: 3.58%

Run 2: Report of WebRTC media — Data Link

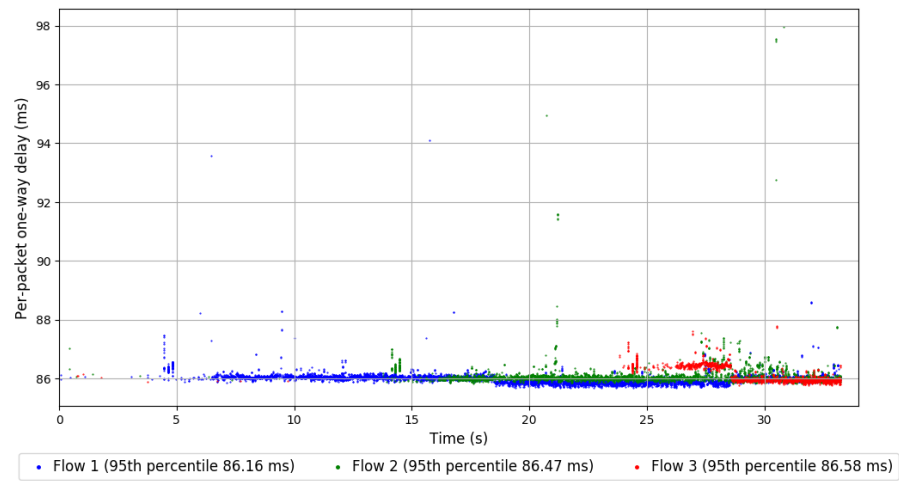
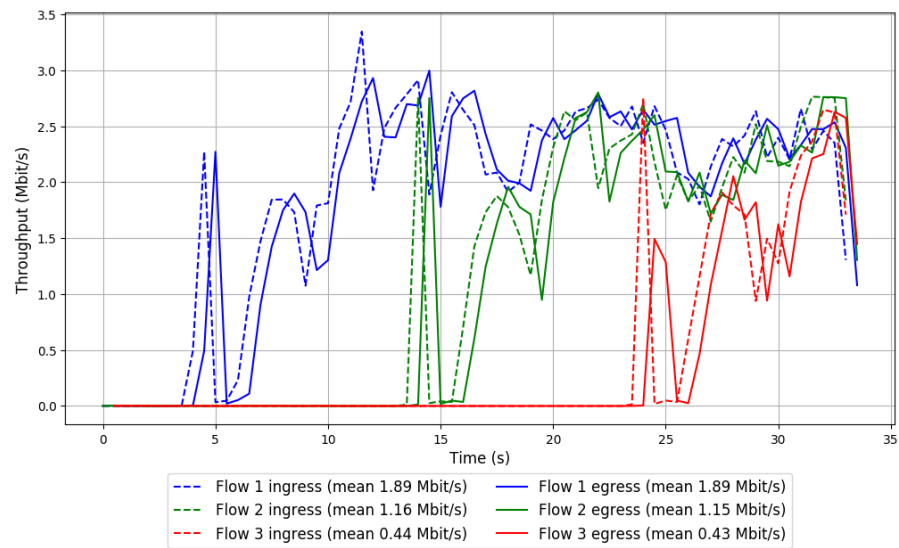


Run 3: Statistics of WebRTC media

Start at: 2018-08-01 18:59:08
End at: 2018-08-01 18:59:38
Local clock offset: -0.006 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-08-02 01:00:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.45 Mbit/s
95th percentile per-packet one-way delay: 86.441 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 86.164 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 1.15 Mbit/s
95th percentile per-packet one-way delay: 86.474 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 86.585 ms
Loss rate: 2.72%

Run 3: Report of WebRTC media — Data Link

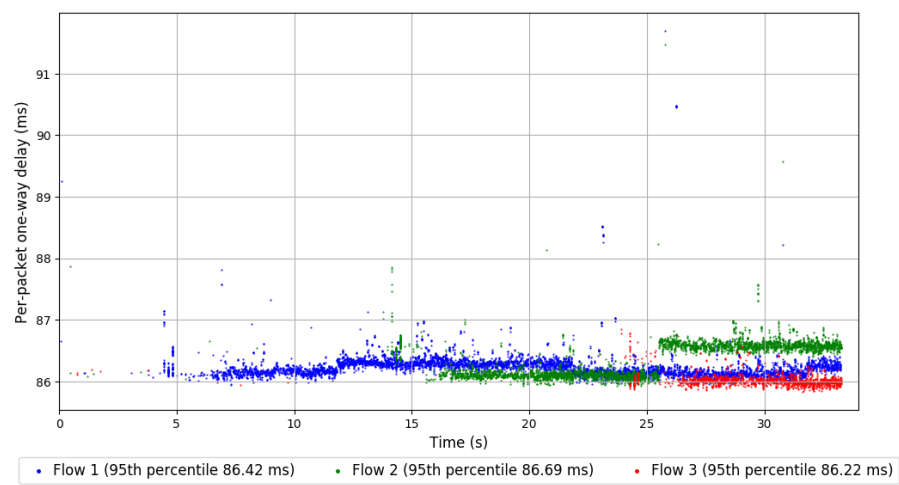
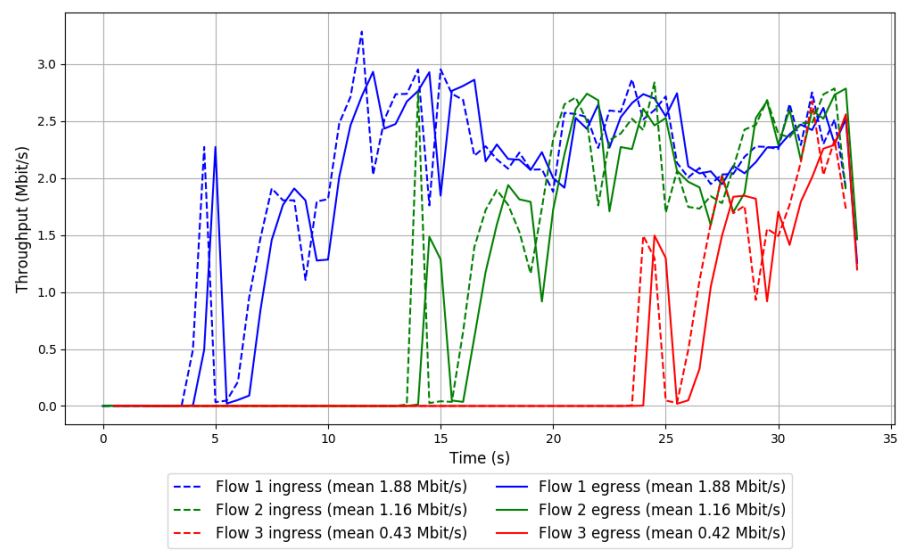


Run 4: Statistics of WebRTC media

Start at: 2018-08-01 19:24:11
End at: 2018-08-01 19:24:41
Local clock offset: 0.094 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-08-02 01:00:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 86.632 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 86.425 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 86.690 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 86.215 ms
Loss rate: 2.83%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-08-01 19:49:17

End at: 2018-08-01 19:49:47

Local clock offset: 0.1 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-08-02 01:00:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.44 Mbit/s

95th percentile per-packet one-way delay: 86.466 ms

Loss rate: 1.04%

-- Flow 1:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 86.247 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 1.15 Mbit/s

95th percentile per-packet one-way delay: 86.304 ms

Loss rate: 1.33%

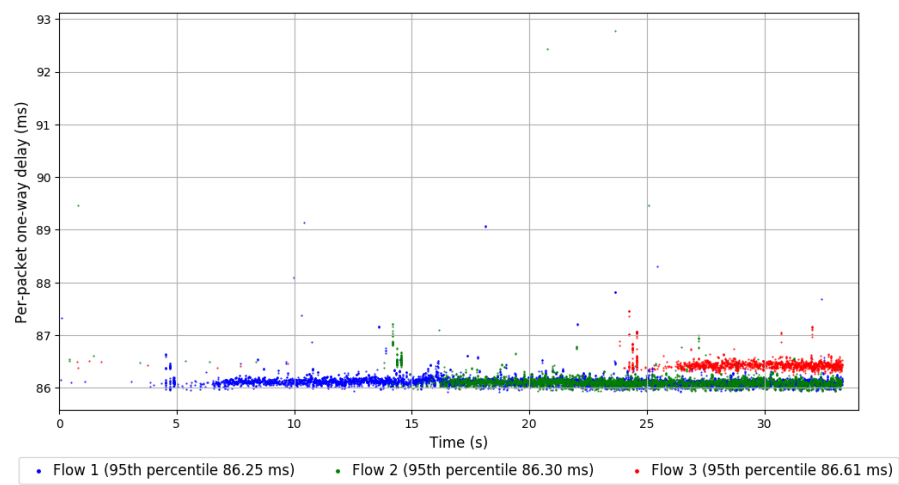
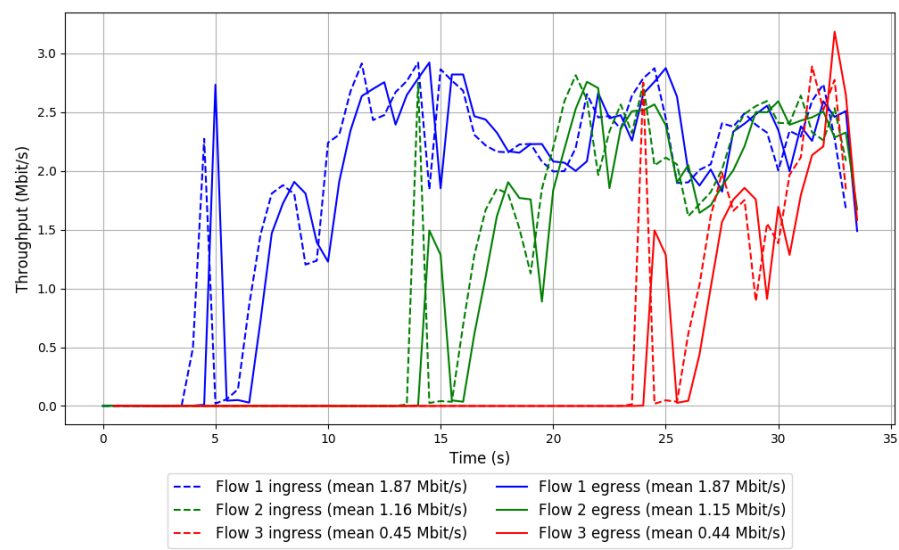
-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.605 ms

Loss rate: 2.67%

Run 5: Report of WebRTC media — Data Link

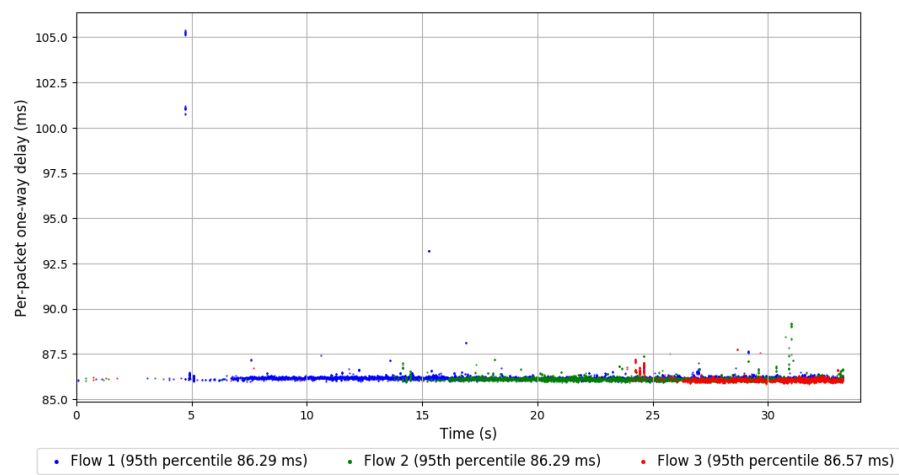
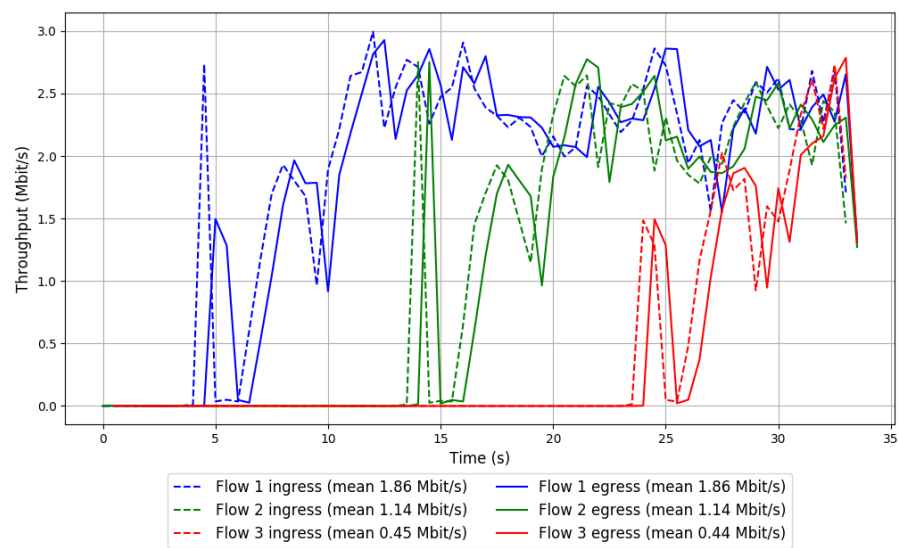


Run 6: Statistics of WebRTC media

Start at: 2018-08-01 20:14:30
End at: 2018-08-01 20:15:00
Local clock offset: 0.148 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-08-02 01:00:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.42 Mbit/s
95th percentile per-packet one-way delay: 86.302 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 86.289 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 86.288 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.570 ms
Loss rate: 3.11%

Run 6: Report of WebRTC media — Data Link

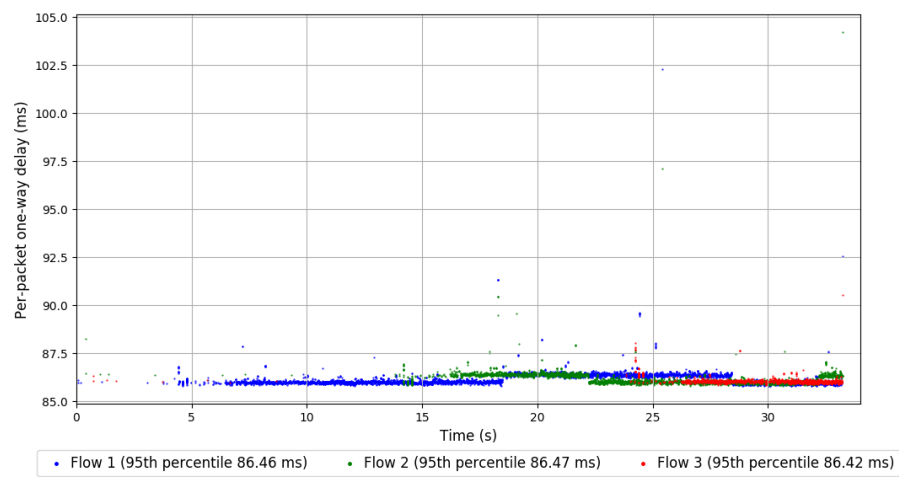
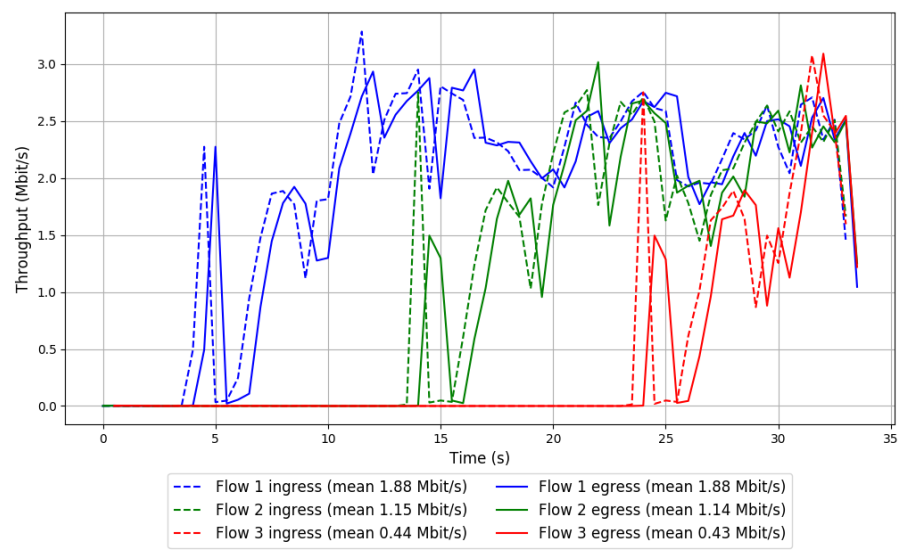


Run 7: Statistics of WebRTC media

Start at: 2018-08-01 20:40:14
End at: 2018-08-01 20:40:44
Local clock offset: 0.049 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-08-02 01:00:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.44 Mbit/s
95th percentile per-packet one-way delay: 86.459 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 86.460 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 86.475 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 86.417 ms
Loss rate: 2.69%

Run 7: Report of WebRTC media — Data Link

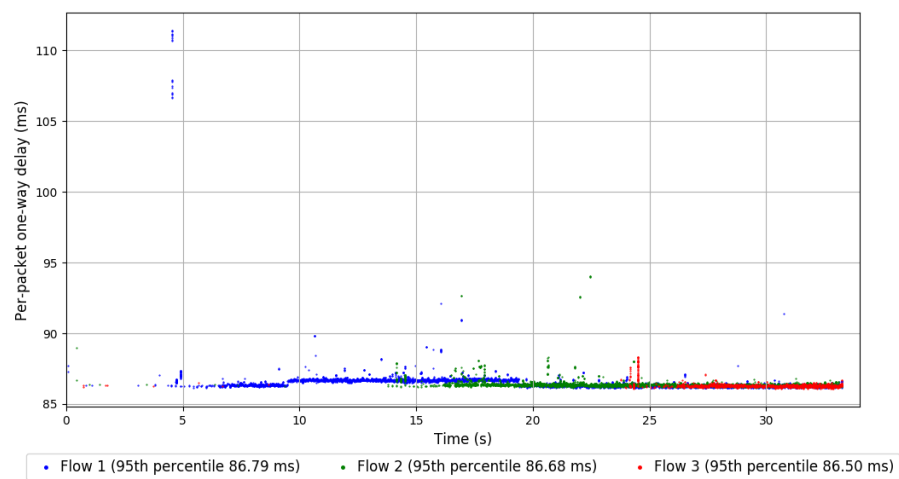
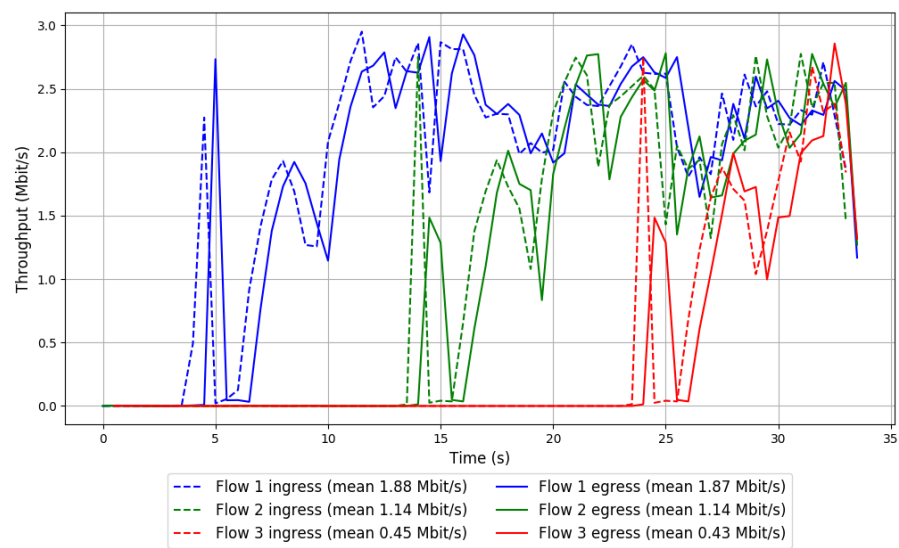


Run 8: Statistics of WebRTC media

Start at: 2018-08-01 21:06:33
End at: 2018-08-01 21:07:03
Local clock offset: 0.242 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-08-02 01:00:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.42 Mbit/s
95th percentile per-packet one-way delay: 86.770 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 86.792 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 86.676 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 86.499 ms
Loss rate: 3.15%

Run 8: Report of WebRTC media — Data Link

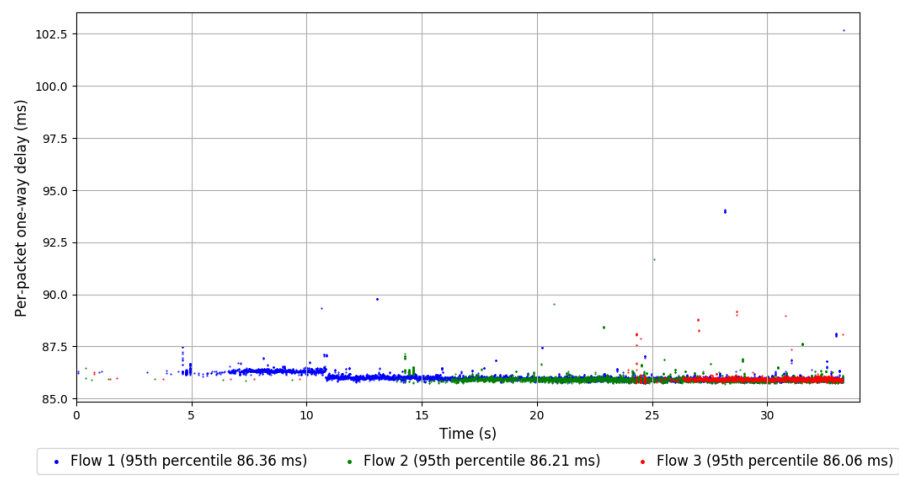
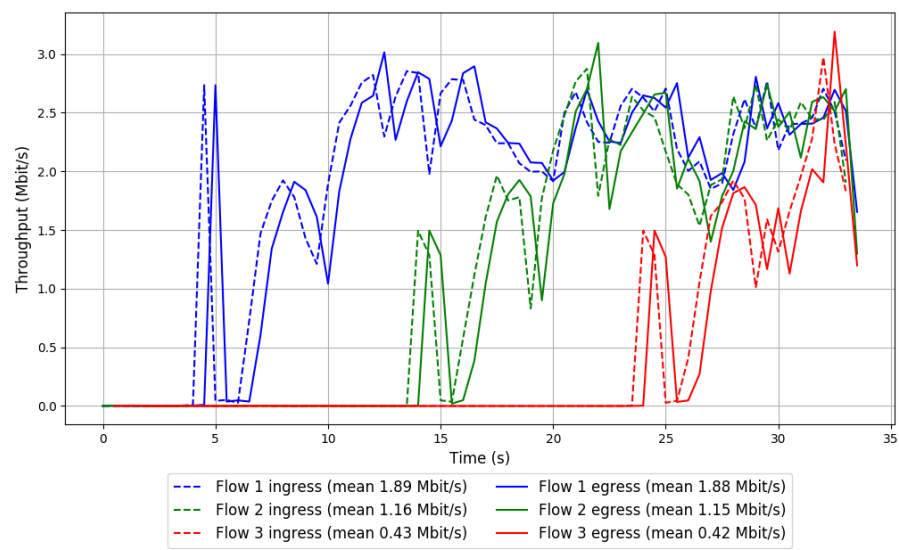


Run 9: Statistics of WebRTC media

Start at: 2018-08-01 21:33:45
End at: 2018-08-01 21:34:15
Local clock offset: -0.147 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-08-02 01:00:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 86.331 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 86.361 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 1.15 Mbit/s
95th percentile per-packet one-way delay: 86.213 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 86.061 ms
Loss rate: 3.64%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-01 21:59:27
End at: 2018-08-01 21:59:57
Local clock offset: 0.059 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-08-02 01:00:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.45 Mbit/s
95th percentile per-packet one-way delay: 86.435 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 86.405 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 86.430 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 86.568 ms
Loss rate: 2.29%

Run 10: Report of WebRTC media — Data Link

