

Pantheon Report

Generated at 2018-08-02 13:49:19 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

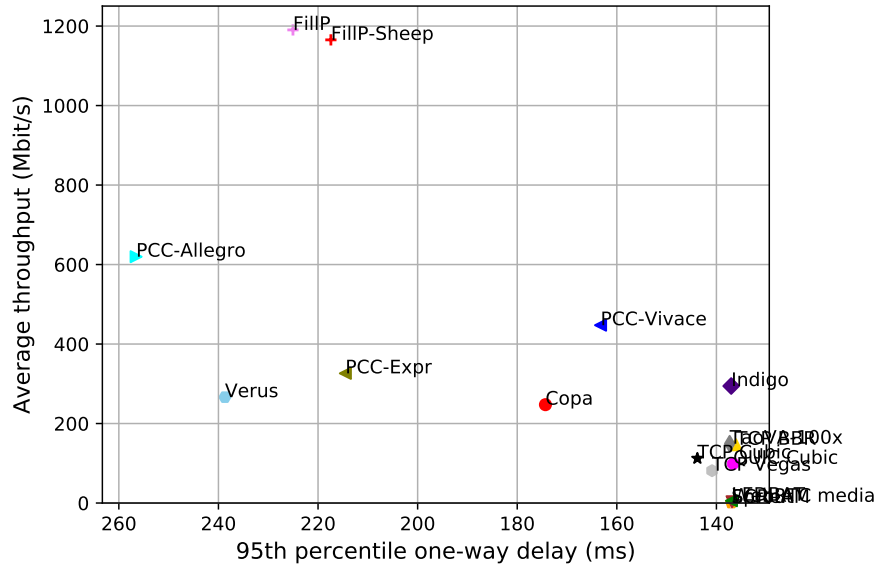
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

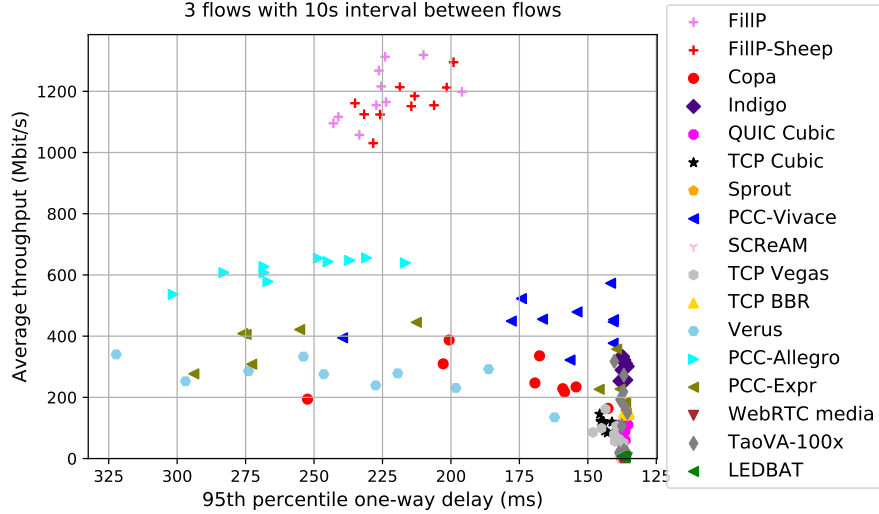
Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
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 Sydney to GCE London, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



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



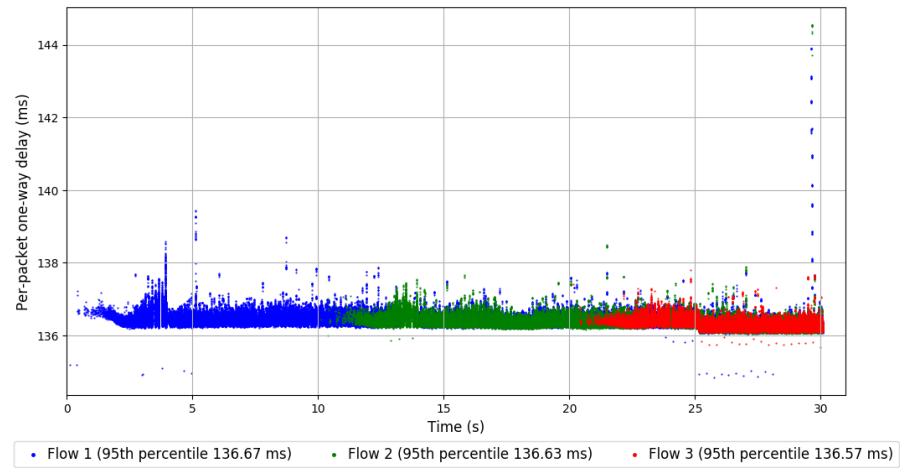
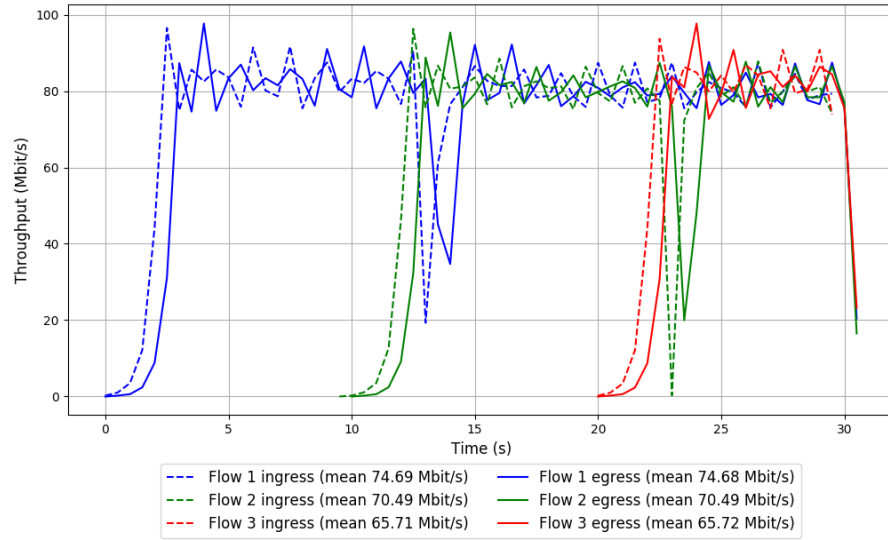
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	75.41	73.42	67.43	136.04	136.08	136.03	0.00	0.00	0.00
Copa	10	129.45	123.45	111.66	157.00	152.77	180.74	0.00	0.03	0.25
TCP Cubic	10	59.86	59.53	38.88	143.63	142.94	141.49	0.00	0.02	0.02
FillP	10	655.56	564.20	480.58	221.88	231.27	214.70	4.00	4.93	3.87
FillP-Sheep	10	656.51	539.77	451.50	216.77	221.36	201.20	2.57	2.19	0.69
Indigo	10	153.40	149.27	131.53	136.71	137.14	138.30	0.00	0.00	0.00
LEDBAT	10	3.70	2.38	1.19	137.00	136.82	136.63	0.00	0.00	0.00
PCC-Allegro	10	438.84	244.51	55.73	265.78	229.14	228.47	4.54	3.74	3.30
PCC-Expr	10	196.50	149.90	90.94	226.62	172.04	159.53	1.59	0.21	0.27
QUIC Cubic	10	50.32	53.79	40.13	136.60	136.29	135.83	0.00	0.00	0.00
SCReAM	10	0.22	0.22	0.22	136.39	136.38	136.48	0.00	0.00	0.00
Sprout	10	0.17	0.17	0.20	136.84	136.74	136.67	0.00	0.02	0.00
TaoVA-100x	10	72.92	89.12	51.13	136.71	137.40	138.35	0.01	0.00	0.00
TCP Vegas	10	40.70	45.66	31.24	139.88	141.44	139.28	0.01	0.00	0.00
Verus	10	162.83	133.67	49.56	224.39	218.91	234.29	2.08	1.09	3.61
PCC-Vivace	10	280.81	196.05	109.71	173.99	144.32	156.01	0.17	0.04	0.03
WebRTC media	10	1.78	1.04	0.33	136.43	136.65	136.57	0.00	0.00	0.09

Run 1: Statistics of TCP BBR

Start at: 2018-08-02 07:03:09
End at: 2018-08-02 07:03:39
Local clock offset: 0.003 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-08-02 11:46:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 143.42 Mbit/s
95th percentile per-packet one-way delay: 136.645 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 74.68 Mbit/s
95th percentile per-packet one-way delay: 136.666 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.49 Mbit/s
95th percentile per-packet one-way delay: 136.633 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 65.72 Mbit/s
95th percentile per-packet one-way delay: 136.569 ms
Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

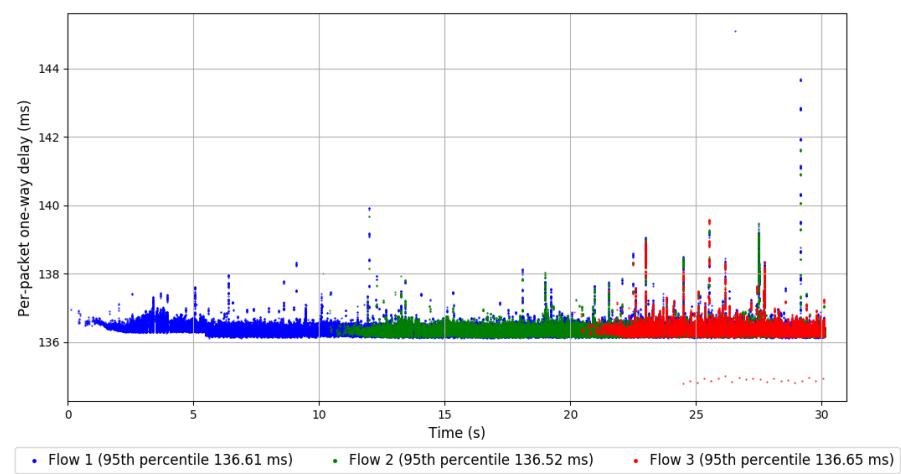
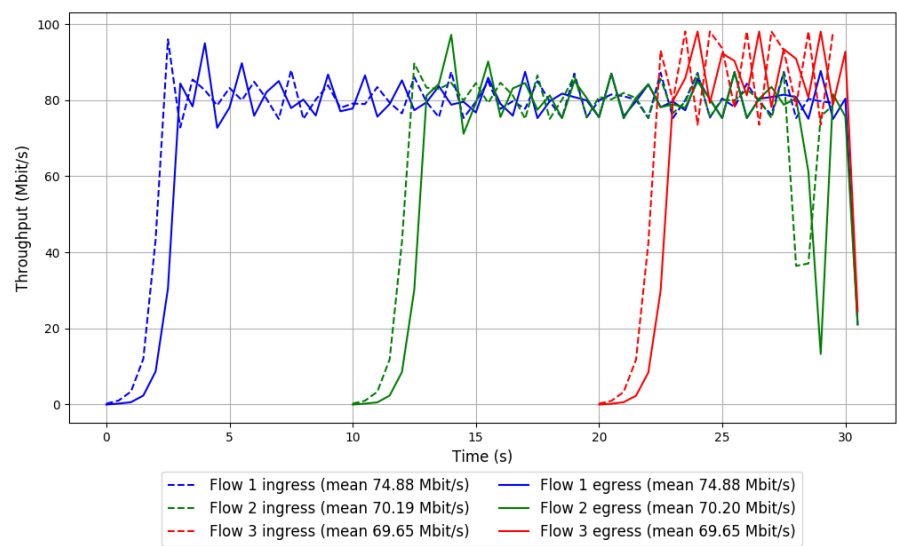


Run 2: Statistics of TCP BBR

Start at: 2018-08-02 07:30:28
End at: 2018-08-02 07:30:58
Local clock offset: 0.022 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-08-02 11:46:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 144.71 Mbit/s
95th percentile per-packet one-way delay: 136.594 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 74.88 Mbit/s
95th percentile per-packet one-way delay: 136.610 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.20 Mbit/s
95th percentile per-packet one-way delay: 136.520 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 69.65 Mbit/s
95th percentile per-packet one-way delay: 136.650 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

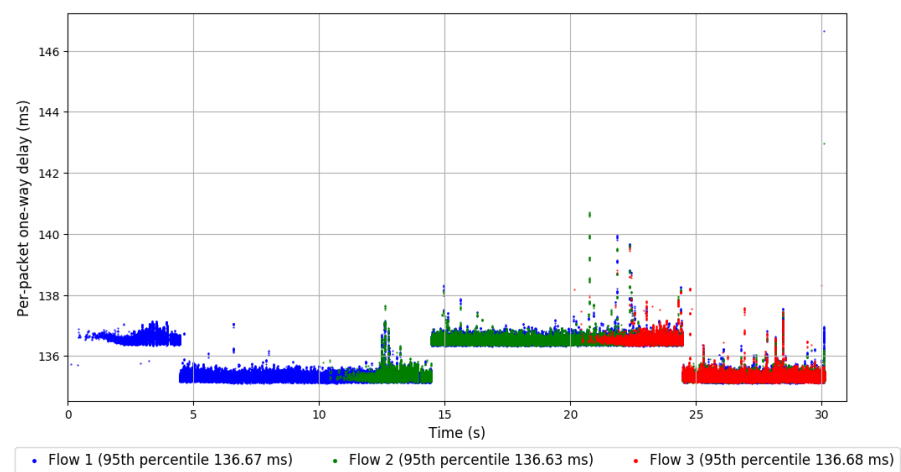
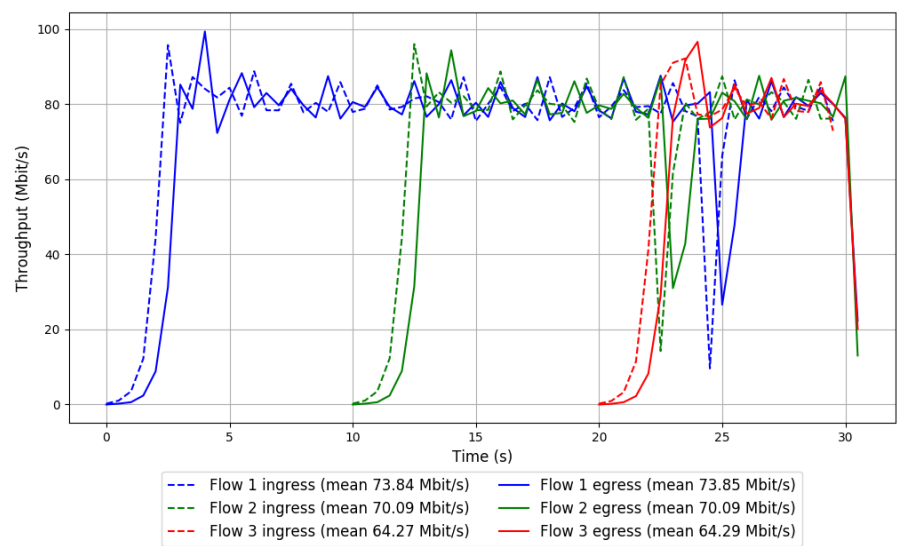


Run 3: Statistics of TCP BBR

Start at: 2018-08-02 07:57:39
End at: 2018-08-02 07:58:09
Local clock offset: 0.021 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-08-02 11:46:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 141.86 Mbit/s
95th percentile per-packet one-way delay: 136.658 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.85 Mbit/s
95th percentile per-packet one-way delay: 136.673 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.09 Mbit/s
95th percentile per-packet one-way delay: 136.629 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.29 Mbit/s
95th percentile per-packet one-way delay: 136.675 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-08-02 08:24:52

End at: 2018-08-02 08:25:22

Local clock offset: 0.192 ms

Remote clock offset: 0.289 ms

Below is generated by plot.py at 2018-08-02 11:46:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 148.30 Mbit/s

95th percentile per-packet one-way delay: 135.852 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 76.69 Mbit/s

95th percentile per-packet one-way delay: 135.876 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 72.81 Mbit/s

95th percentile per-packet one-way delay: 135.797 ms

Loss rate: 0.00%

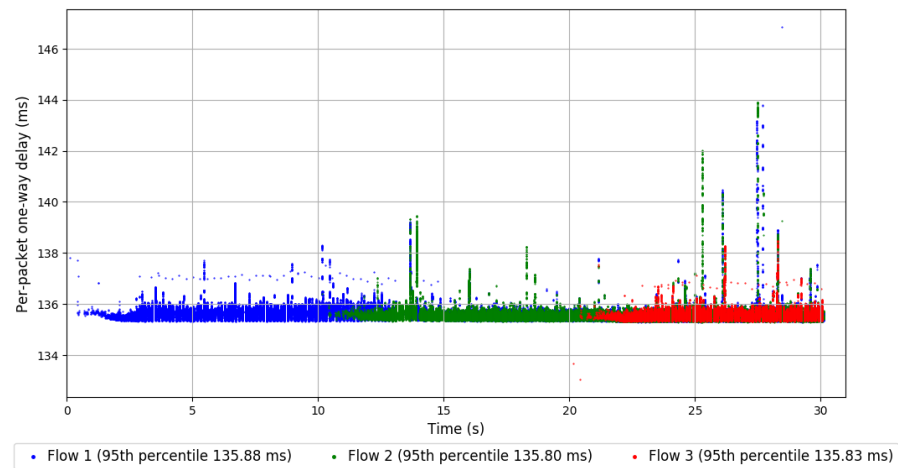
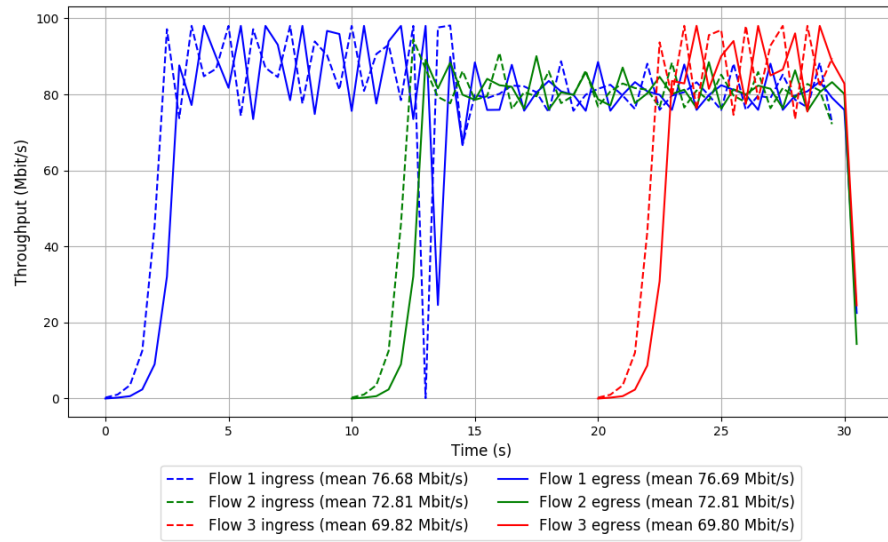
-- Flow 3:

Average throughput: 69.80 Mbit/s

95th percentile per-packet one-way delay: 135.829 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link

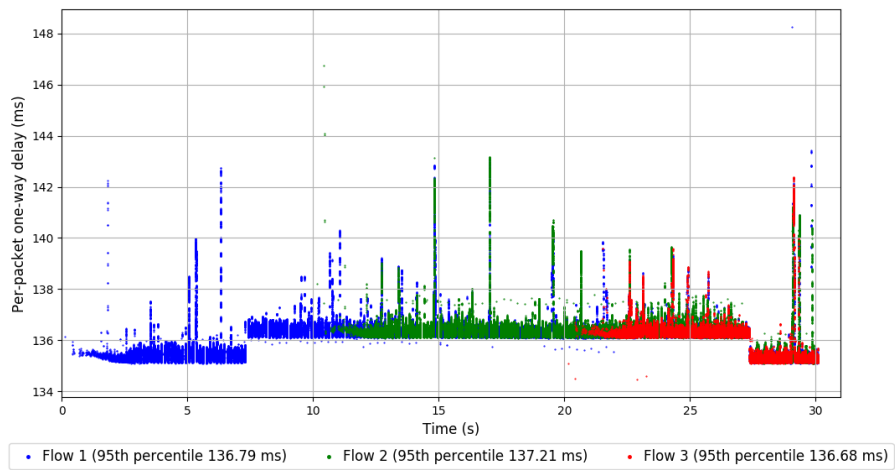
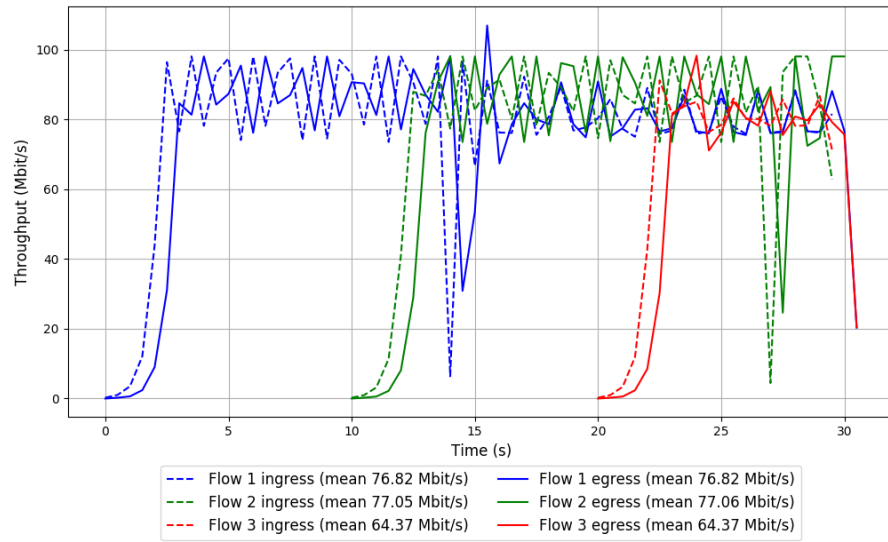


Run 5: Statistics of TCP BBR

Start at: 2018-08-02 08:51:56
End at: 2018-08-02 08:52:26
Local clock offset: 0.048 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-08-02 11:46:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 149.07 Mbit/s
95th percentile per-packet one-way delay: 136.926 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.82 Mbit/s
95th percentile per-packet one-way delay: 136.793 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 77.06 Mbit/s
95th percentile per-packet one-way delay: 137.213 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.37 Mbit/s
95th percentile per-packet one-way delay: 136.676 ms
Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-08-02 09:18:37

End at: 2018-08-02 09:19:07

Local clock offset: 0.147 ms

Remote clock offset: 0.3 ms

Below is generated by plot.py at 2018-08-02 11:46:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 146.09 Mbit/s

95th percentile per-packet one-way delay: 135.903 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 75.93 Mbit/s

95th percentile per-packet one-way delay: 135.896 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 70.70 Mbit/s

95th percentile per-packet one-way delay: 135.835 ms

Loss rate: 0.00%

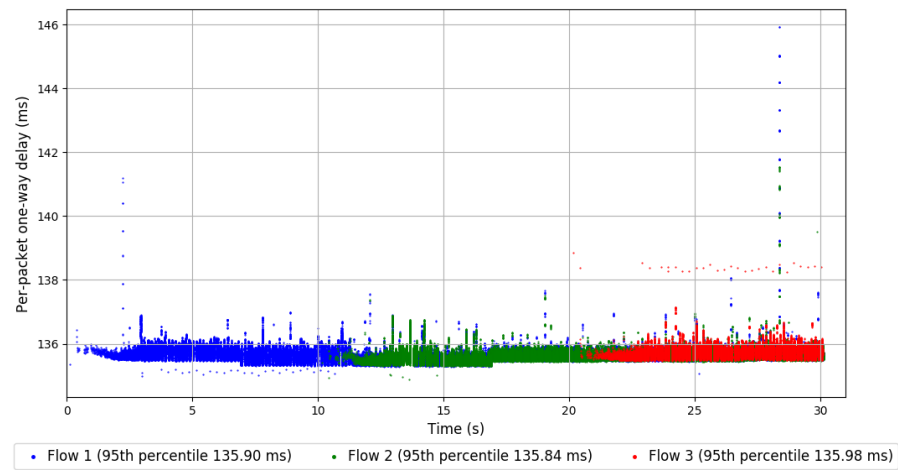
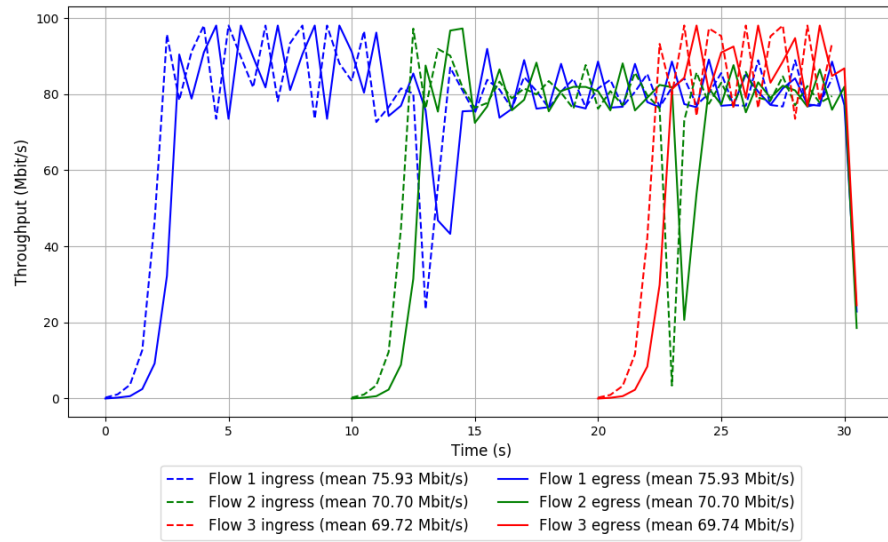
-- Flow 3:

Average throughput: 69.74 Mbit/s

95th percentile per-packet one-way delay: 135.980 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

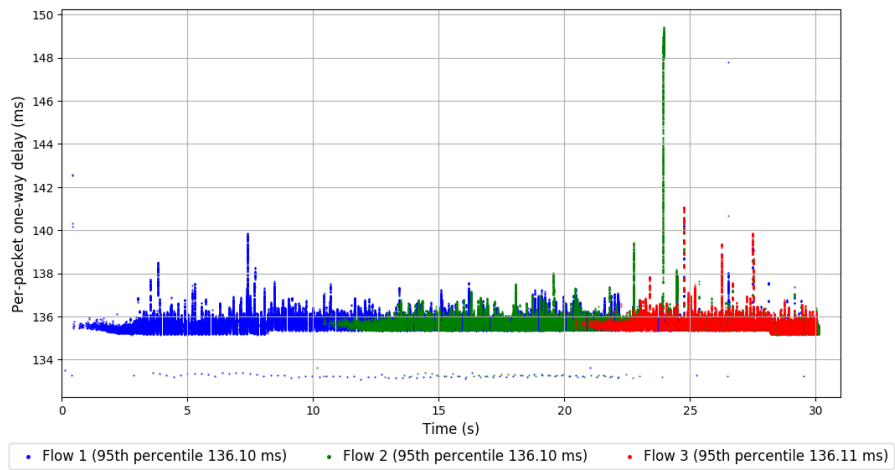
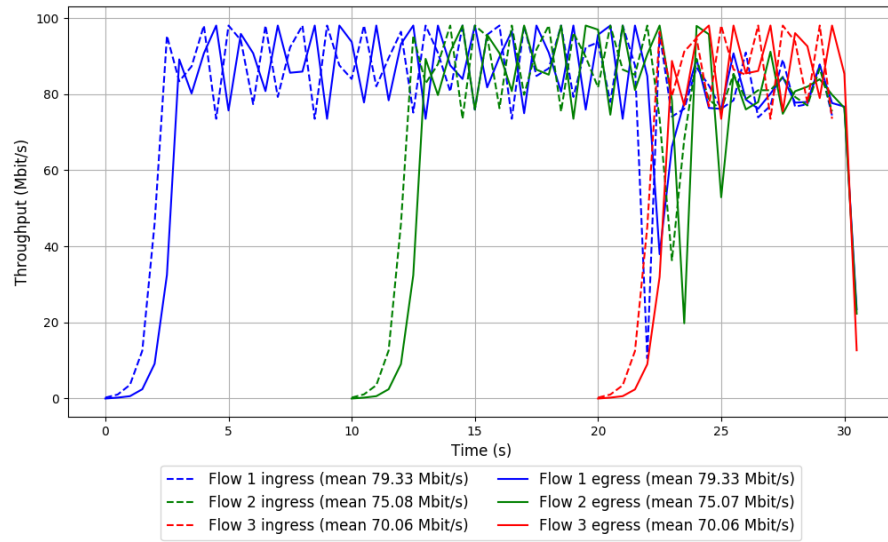


Run 7: Statistics of TCP BBR

Start at: 2018-08-02 09:45:06
End at: 2018-08-02 09:45:36
Local clock offset: -0.026 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-08-02 11:46:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 152.42 Mbit/s
95th percentile per-packet one-way delay: 136.101 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 79.33 Mbit/s
95th percentile per-packet one-way delay: 136.100 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 75.07 Mbit/s
95th percentile per-packet one-way delay: 136.097 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 70.06 Mbit/s
95th percentile per-packet one-way delay: 136.114 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link

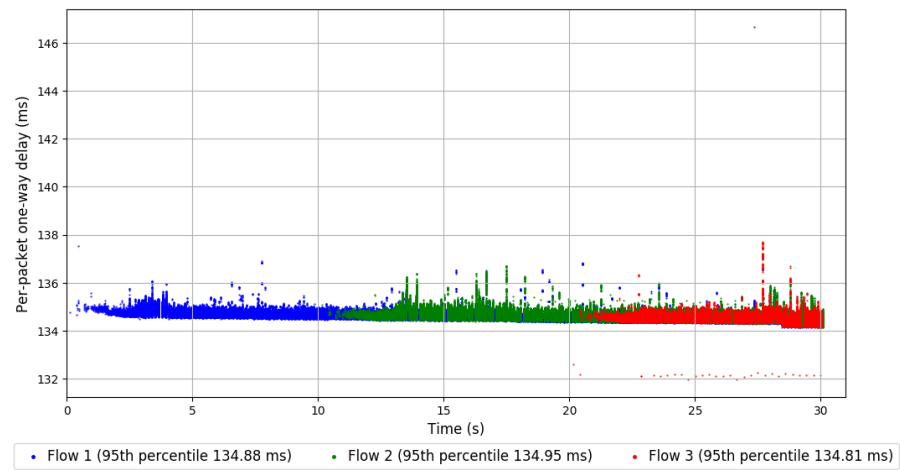
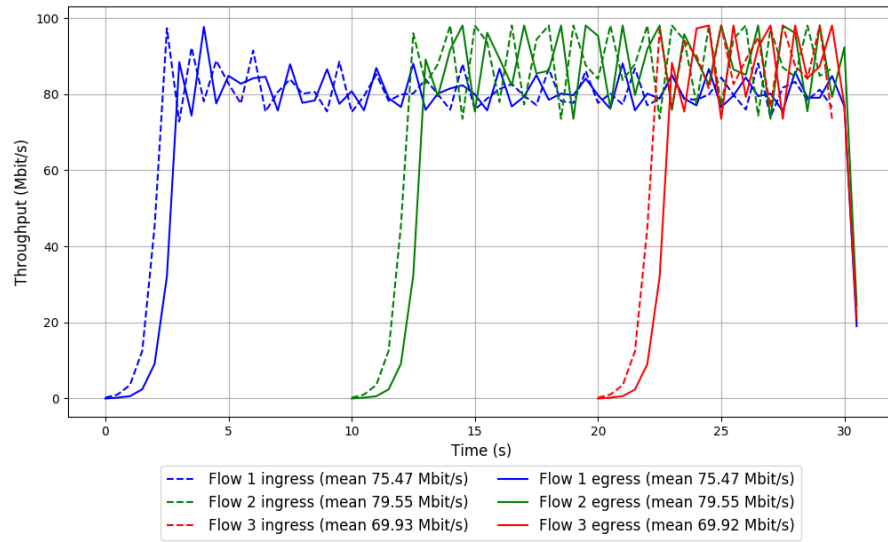


Run 8: Statistics of TCP BBR

Start at: 2018-08-02 10:11:25
End at: 2018-08-02 10:11:55
Local clock offset: -8.129 ms
Remote clock offset: -0.487 ms

Below is generated by plot.py at 2018-08-02 11:46:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 151.52 Mbit/s
95th percentile per-packet one-way delay: 134.898 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 75.47 Mbit/s
95th percentile per-packet one-way delay: 134.882 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 79.55 Mbit/s
95th percentile per-packet one-way delay: 134.947 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 69.92 Mbit/s
95th percentile per-packet one-way delay: 134.806 ms
Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link

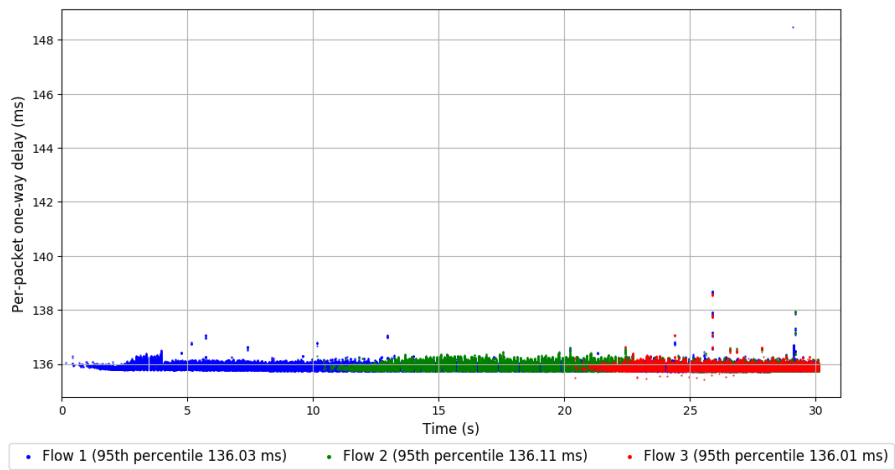
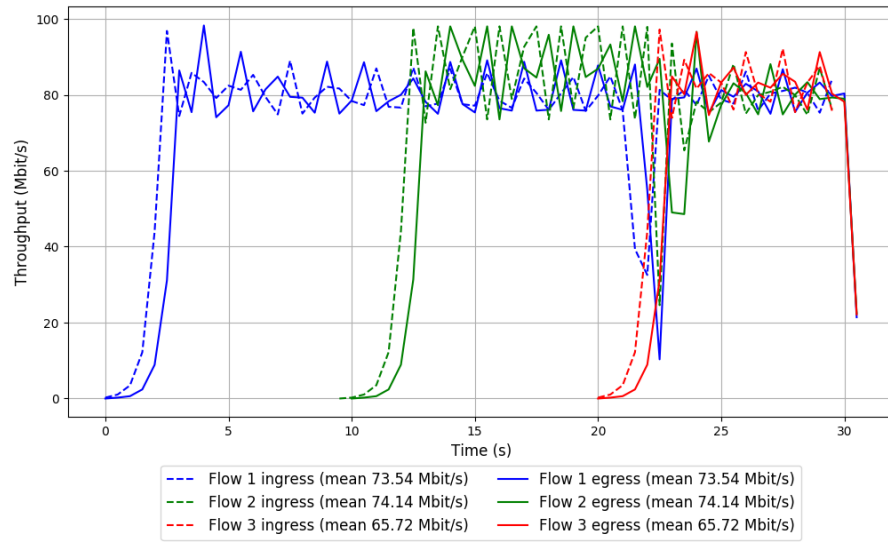


Run 9: Statistics of TCP BBR

Start at: 2018-08-02 10:37:56
End at: 2018-08-02 10:38:26
Local clock offset: -7.888 ms
Remote clock offset: -0.701 ms

Below is generated by plot.py at 2018-08-02 11:48:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 144.84 Mbit/s
95th percentile per-packet one-way delay: 136.073 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.54 Mbit/s
95th percentile per-packet one-way delay: 136.034 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 74.14 Mbit/s
95th percentile per-packet one-way delay: 136.114 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 65.72 Mbit/s
95th percentile per-packet one-way delay: 136.009 ms
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link

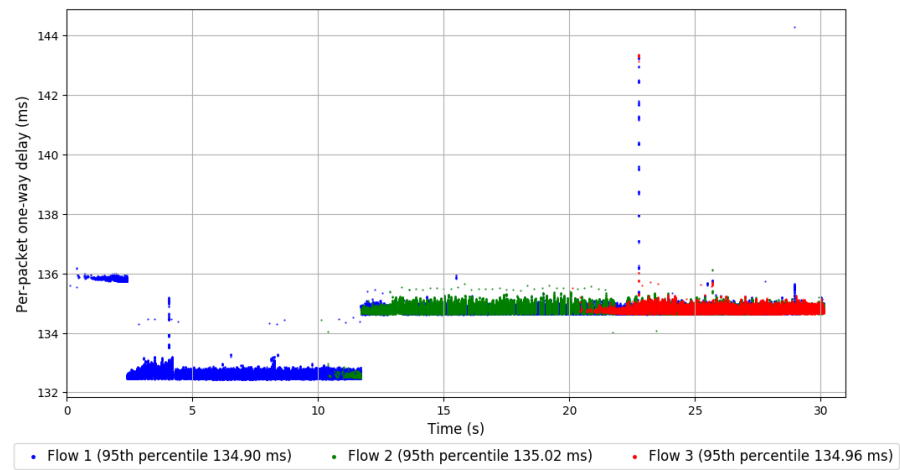
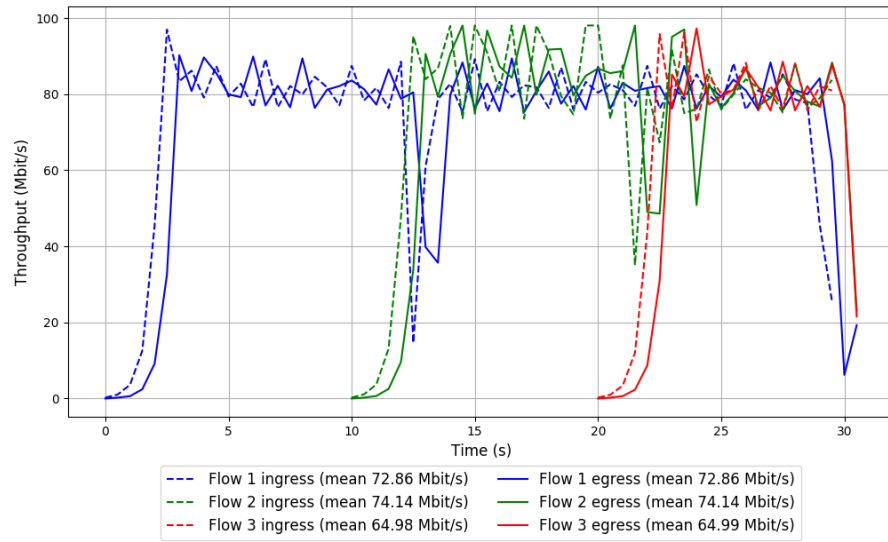


Run 10: Statistics of TCP BBR

Start at: 2018-08-02 11:05:32
End at: 2018-08-02 11:06:02
Local clock offset: -3.345 ms
Remote clock offset: -2.317 ms

Below is generated by plot.py at 2018-08-02 11:48:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 143.88 Mbit/s
95th percentile per-packet one-way delay: 134.973 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.86 Mbit/s
95th percentile per-packet one-way delay: 134.904 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 74.14 Mbit/s
95th percentile per-packet one-way delay: 135.019 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.99 Mbit/s
95th percentile per-packet one-way delay: 134.955 ms
Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

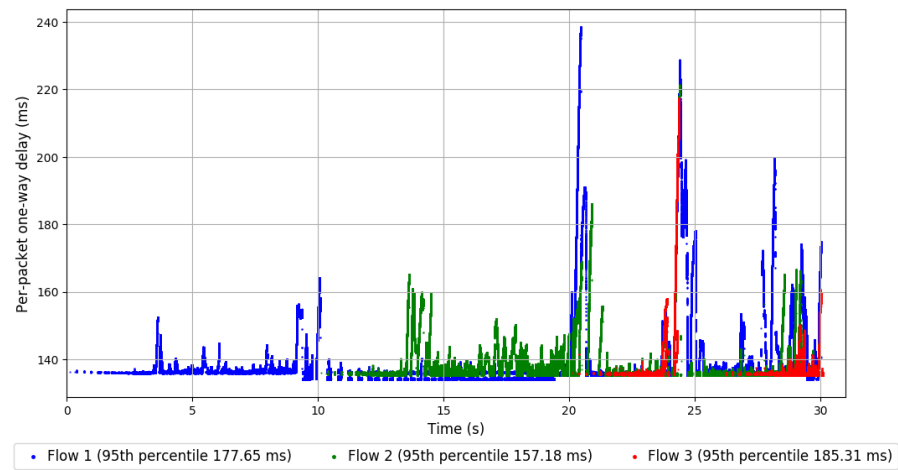
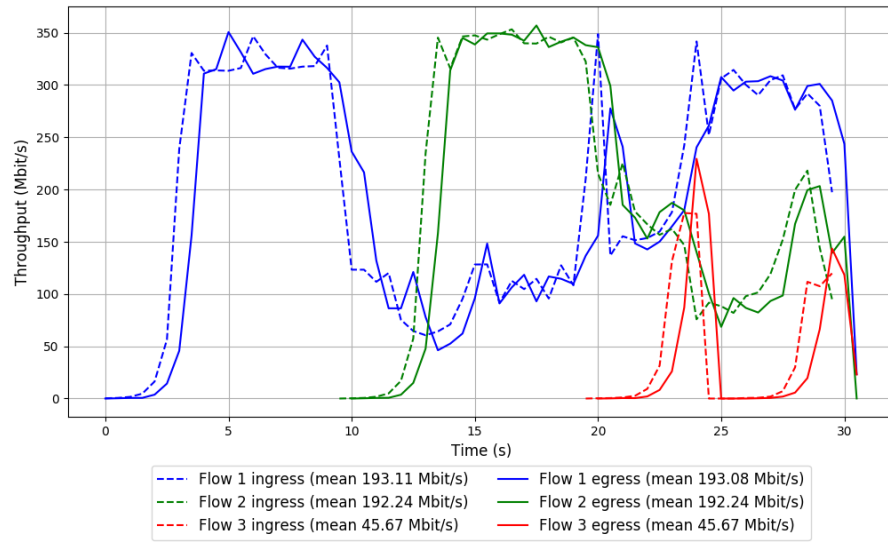


Run 1: Statistics of Copa

Start at: 2018-08-02 07:18:24
End at: 2018-08-02 07:18:54
Local clock offset: 0.046 ms
Remote clock offset: -0.355 ms

Below is generated by plot.py at 2018-08-02 11:55:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 335.70 Mbit/s
95th percentile per-packet one-way delay: 167.636 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 193.08 Mbit/s
95th percentile per-packet one-way delay: 177.651 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 192.24 Mbit/s
95th percentile per-packet one-way delay: 157.182 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.67 Mbit/s
95th percentile per-packet one-way delay: 185.308 ms
Loss rate: 0.01%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-08-02 07:45:49

End at: 2018-08-02 07:46:19

Local clock offset: -0.021 ms

Remote clock offset: 0.25 ms

Below is generated by plot.py at 2018-08-02 11:55:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 163.92 Mbit/s

95th percentile per-packet one-way delay: 142.622 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 71.96 Mbit/s

95th percentile per-packet one-way delay: 137.586 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 58.92 Mbit/s

95th percentile per-packet one-way delay: 137.130 ms

Loss rate: 0.01%

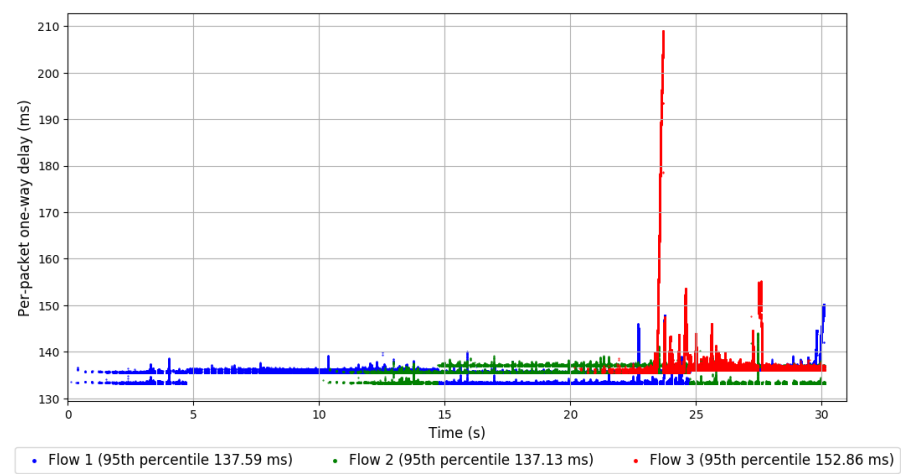
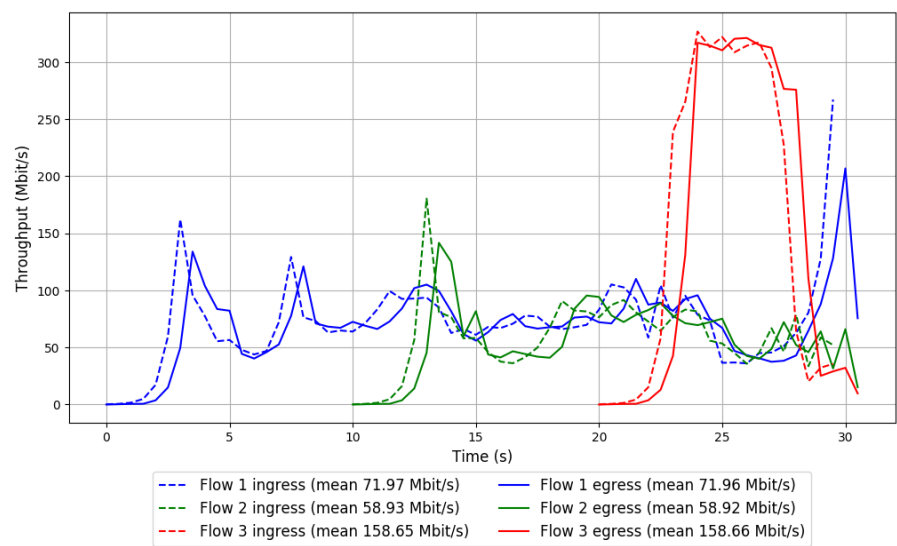
-- Flow 3:

Average throughput: 158.66 Mbit/s

95th percentile per-packet one-way delay: 152.863 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link

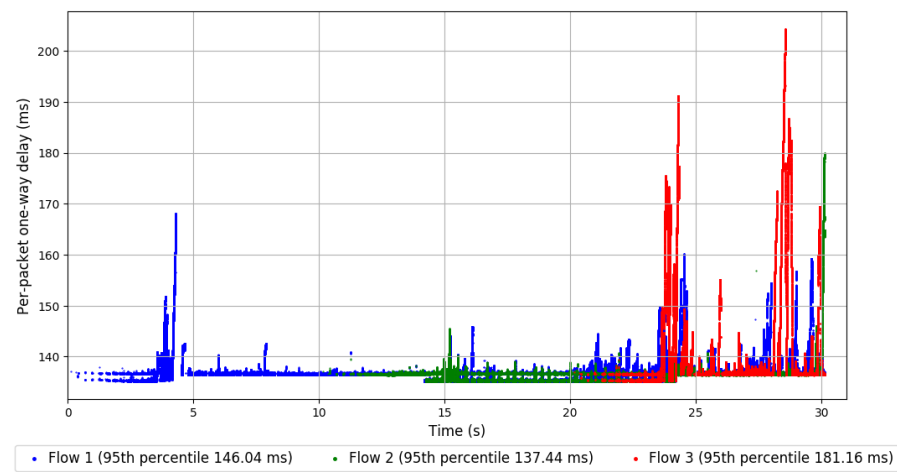
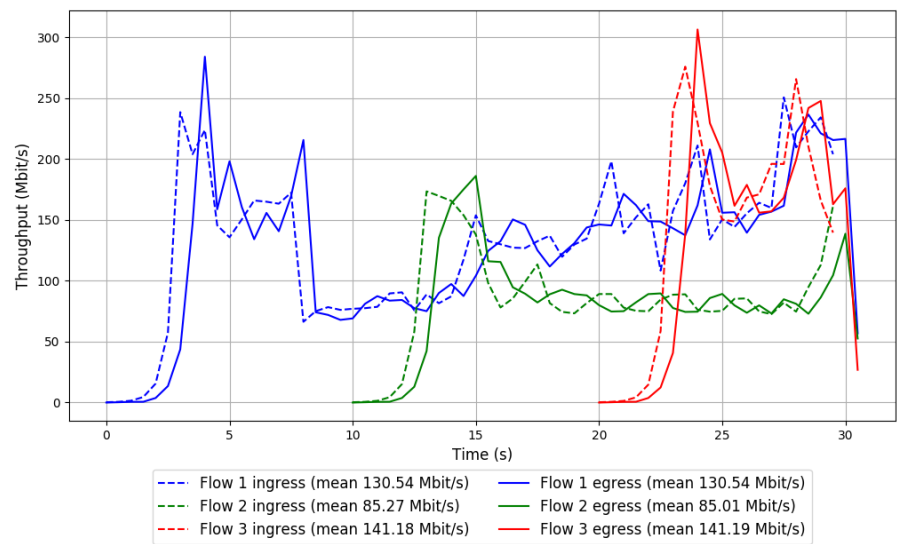


Run 3: Statistics of Copa

Start at: 2018-08-02 08:13:00
End at: 2018-08-02 08:13:30
Local clock offset: -0.002 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-08-02 11:55:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 234.07 Mbit/s
95th percentile per-packet one-way delay: 154.300 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 130.54 Mbit/s
95th percentile per-packet one-way delay: 146.042 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 85.01 Mbit/s
95th percentile per-packet one-way delay: 137.439 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 141.19 Mbit/s
95th percentile per-packet one-way delay: 181.164 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

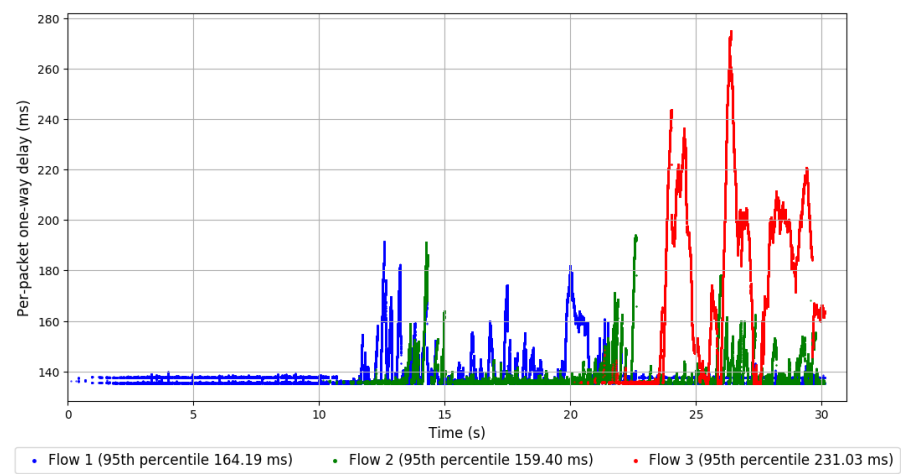
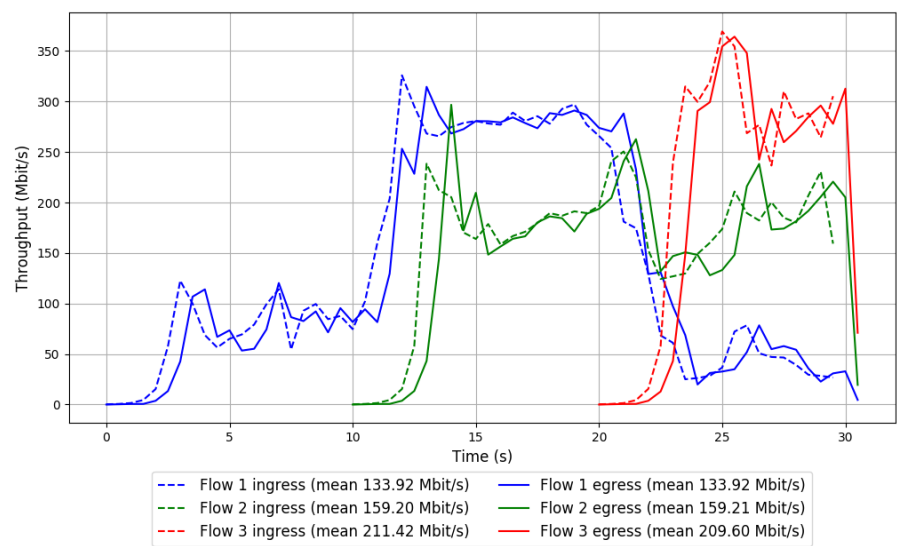


Run 4: Statistics of Copa

Start at: 2018-08-02 08:40:13
End at: 2018-08-02 08:40:43
Local clock offset: 0.207 ms
Remote clock offset: 0.298 ms

Below is generated by plot.py at 2018-08-02 11:55:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 309.57 Mbit/s
95th percentile per-packet one-way delay: 202.832 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 133.92 Mbit/s
95th percentile per-packet one-way delay: 164.191 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 159.21 Mbit/s
95th percentile per-packet one-way delay: 159.398 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 209.60 Mbit/s
95th percentile per-packet one-way delay: 231.026 ms
Loss rate: 0.86%

Run 4: Report of Copa — Data Link

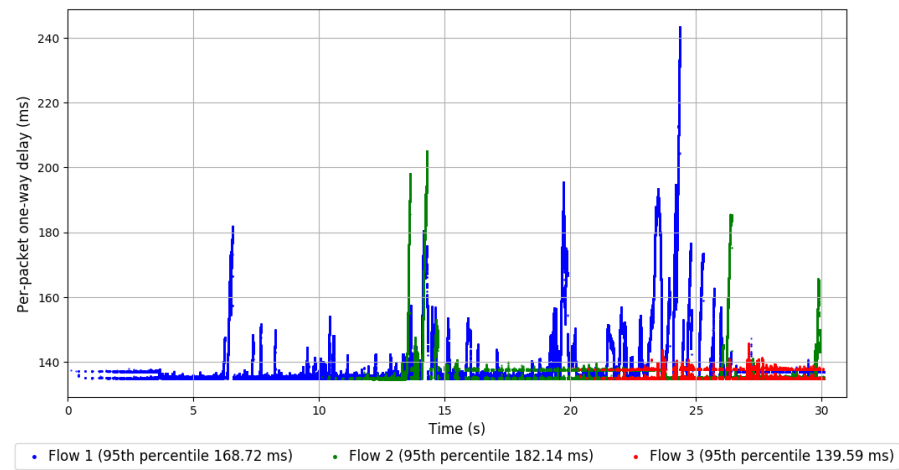
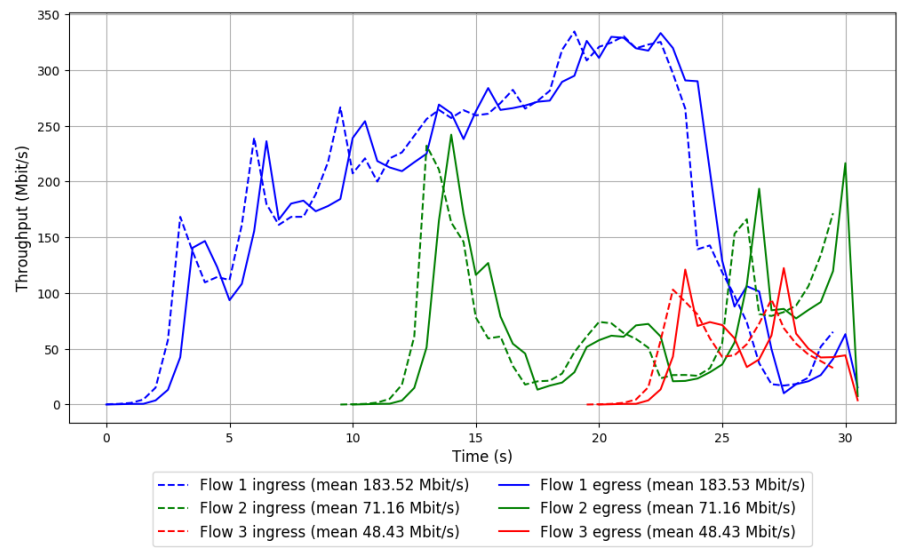


Run 5: Statistics of Copa

Start at: 2018-08-02 09:07:10
End at: 2018-08-02 09:07:40
Local clock offset: 0.129 ms
Remote clock offset: -0.458 ms

Below is generated by plot.py at 2018-08-02 11:55:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 247.06 Mbit/s
95th percentile per-packet one-way delay: 169.327 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 183.53 Mbit/s
95th percentile per-packet one-way delay: 168.721 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 71.16 Mbit/s
95th percentile per-packet one-way delay: 182.136 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 48.43 Mbit/s
95th percentile per-packet one-way delay: 139.588 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-08-02 09:33:56

End at: 2018-08-02 09:34:26

Local clock offset: 0.168 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-08-02 11:55:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 228.36 Mbit/s

95th percentile per-packet one-way delay: 159.163 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 135.80 Mbit/s

95th percentile per-packet one-way delay: 162.290 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 78.56 Mbit/s

95th percentile per-packet one-way delay: 135.430 ms

Loss rate: 0.00%

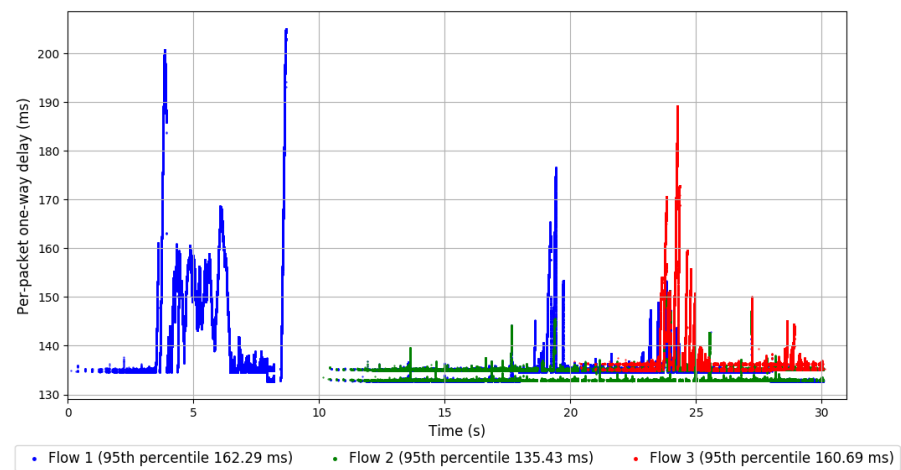
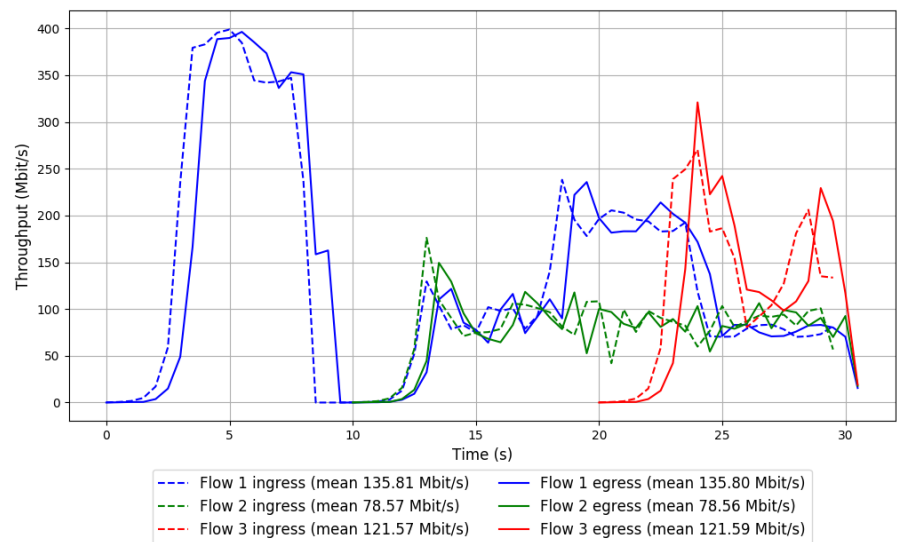
-- Flow 3:

Average throughput: 121.59 Mbit/s

95th percentile per-packet one-way delay: 160.692 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link

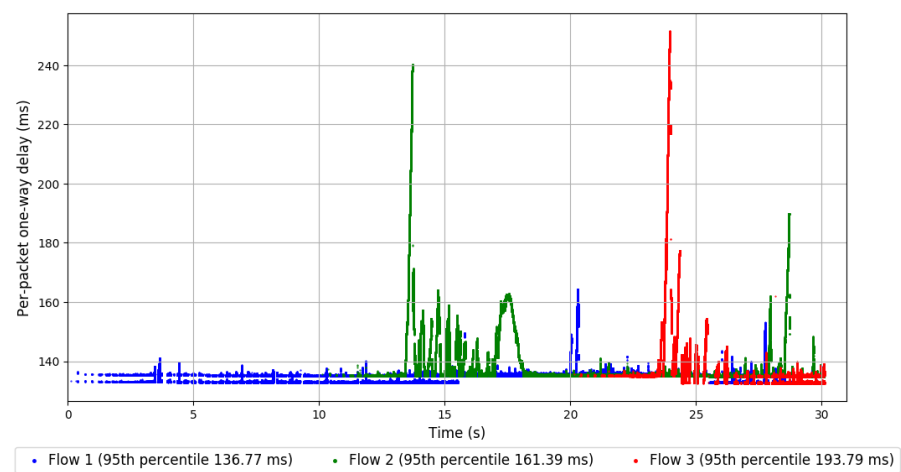
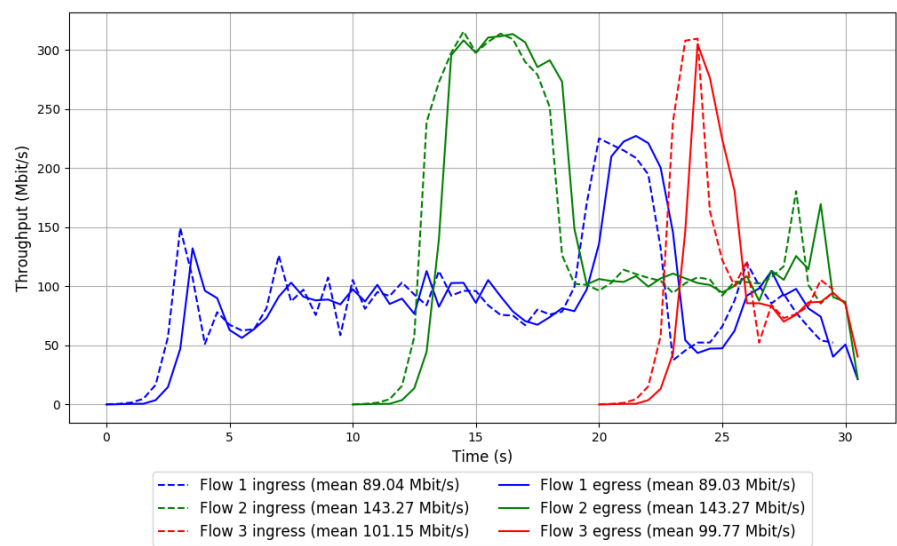


Run 7: Statistics of Copa

Start at: 2018-08-02 10:00:18
End at: 2018-08-02 10:00:48
Local clock offset: -2.007 ms
Remote clock offset: 0.254 ms

Below is generated by plot.py at 2018-08-02 11:55:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 217.53 Mbit/s
95th percentile per-packet one-way delay: 158.492 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 89.03 Mbit/s
95th percentile per-packet one-way delay: 136.767 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 143.27 Mbit/s
95th percentile per-packet one-way delay: 161.393 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 99.77 Mbit/s
95th percentile per-packet one-way delay: 193.789 ms
Loss rate: 1.37%

Run 7: Report of Copa — Data Link

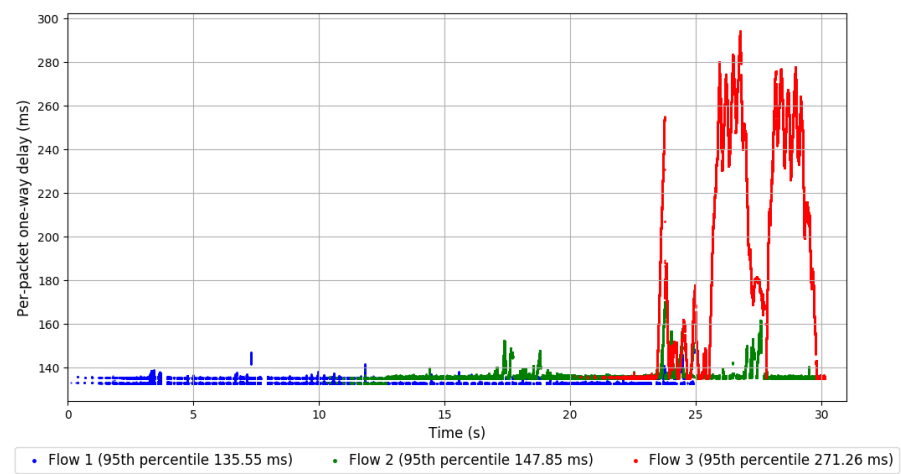
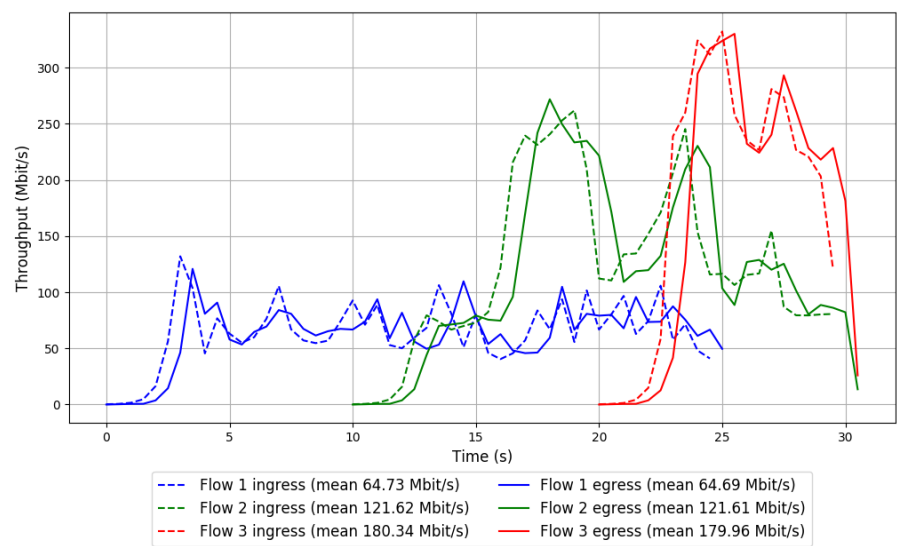


Run 8: Statistics of Copa

Start at: 2018-08-02 10:26:20
End at: 2018-08-02 10:26:50
Local clock offset: -6.525 ms
Remote clock offset: -0.187 ms

Below is generated by plot.py at 2018-08-02 11:55:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 194.15 Mbit/s
95th percentile per-packet one-way delay: 252.390 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 64.69 Mbit/s
95th percentile per-packet one-way delay: 135.553 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 121.61 Mbit/s
95th percentile per-packet one-way delay: 147.854 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 179.96 Mbit/s
95th percentile per-packet one-way delay: 271.256 ms
Loss rate: 0.22%

Run 8: Report of Copa — Data Link

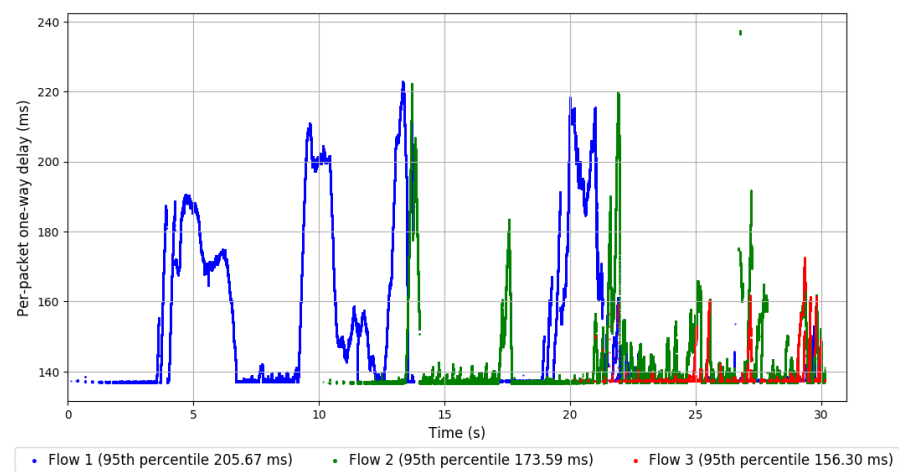
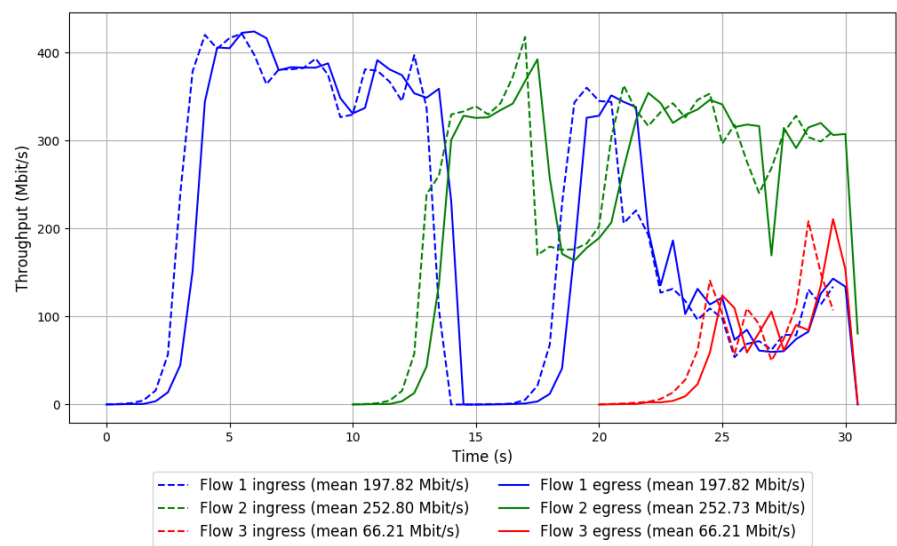


Run 9: Statistics of Copa

Start at: 2018-08-02 10:53:19
End at: 2018-08-02 10:53:49
Local clock offset: -7.853 ms
Remote clock offset: -1.494 ms

Below is generated by plot.py at 2018-08-02 12:01:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 387.39 Mbit/s
95th percentile per-packet one-way delay: 200.647 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 197.82 Mbit/s
95th percentile per-packet one-way delay: 205.670 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 252.73 Mbit/s
95th percentile per-packet one-way delay: 173.595 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 66.21 Mbit/s
95th percentile per-packet one-way delay: 156.302 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

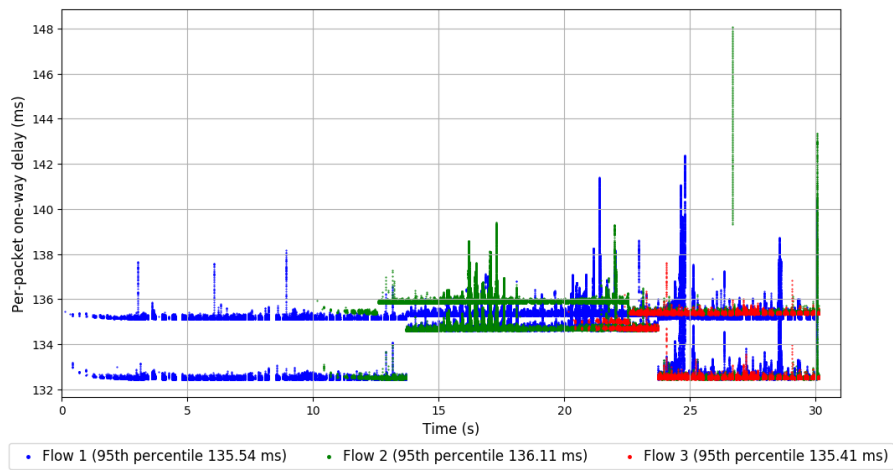
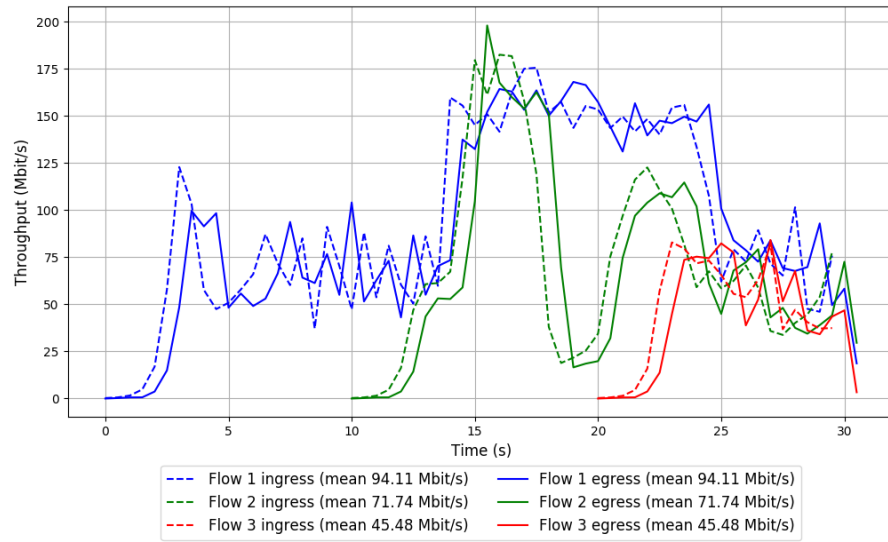


Run 10: Statistics of Copa

Start at: 2018-08-02 11:20:50
End at: 2018-08-02 11:21:20
Local clock offset: -3.936 ms
Remote clock offset: -3.852 ms

Below is generated by plot.py at 2018-08-02 12:01:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 156.84 Mbit/s
95th percentile per-packet one-way delay: 135.935 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.11 Mbit/s
95th percentile per-packet one-way delay: 135.544 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 71.74 Mbit/s
95th percentile per-packet one-way delay: 136.108 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.48 Mbit/s
95th percentile per-packet one-way delay: 135.411 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-08-02 07:13:07

End at: 2018-08-02 07:13:37

Local clock offset: 0.12 ms

Remote clock offset: 0.295 ms

Below is generated by plot.py at 2018-08-02 12:01:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 119.99 Mbit/s

95th percentile per-packet one-way delay: 145.221 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 54.82 Mbit/s

95th percentile per-packet one-way delay: 143.886 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 81.00 Mbit/s

95th percentile per-packet one-way delay: 146.134 ms

Loss rate: 0.16%

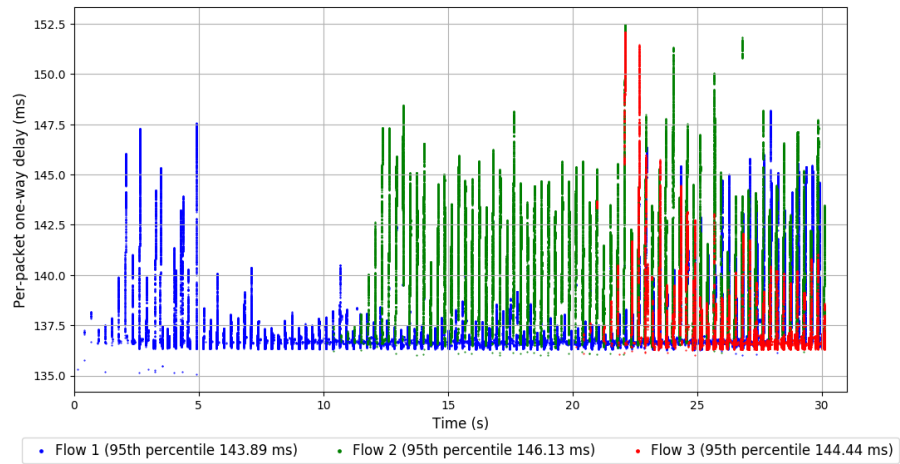
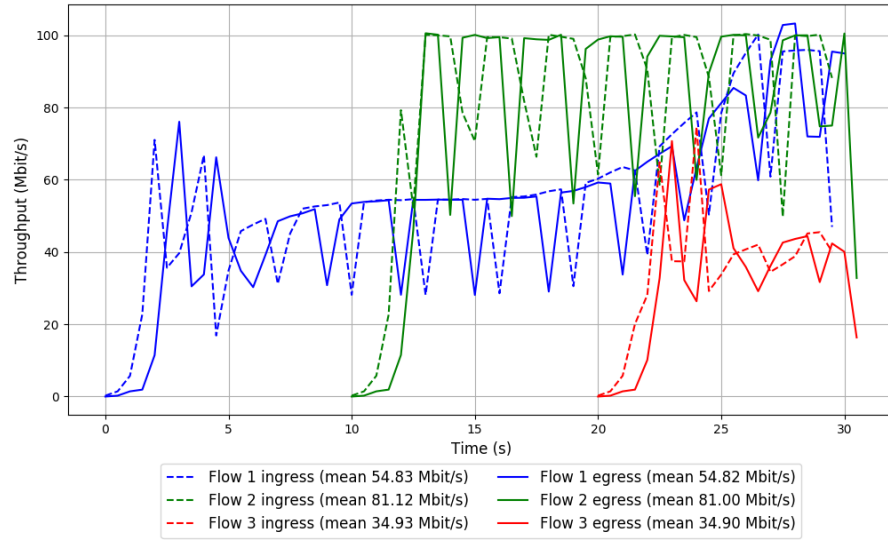
-- Flow 3:

Average throughput: 34.90 Mbit/s

95th percentile per-packet one-way delay: 144.436 ms

Loss rate: 0.08%

Run 1: Report of TCP Cubic — Data Link

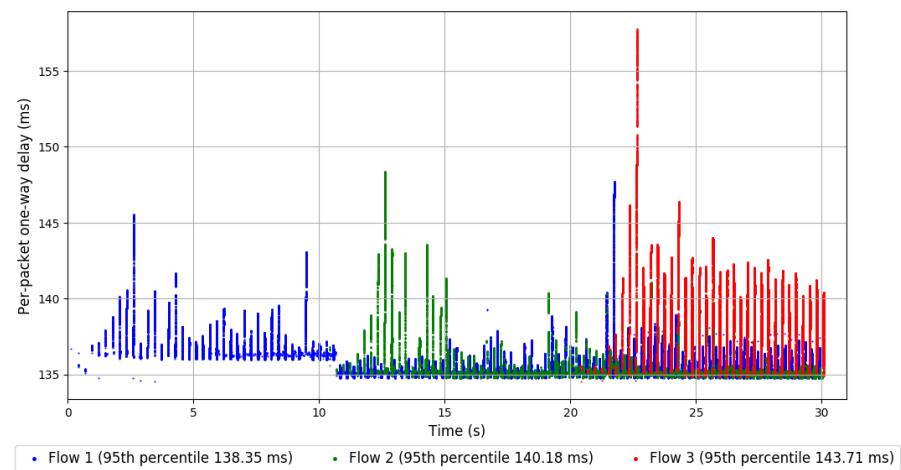
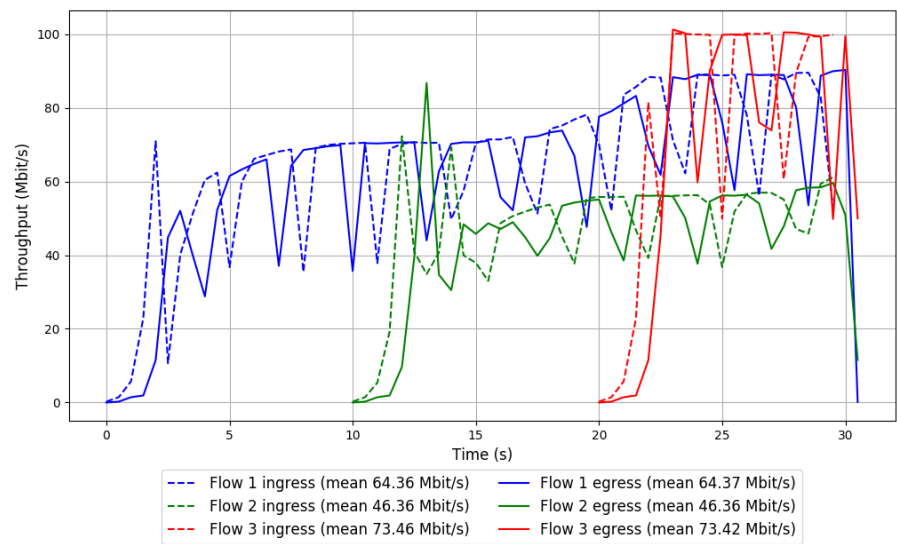


Run 2: Statistics of TCP Cubic

Start at: 2018-08-02 07:40:33
End at: 2018-08-02 07:41:03
Local clock offset: 0.012 ms
Remote clock offset: -0.441 ms

Below is generated by plot.py at 2018-08-02 12:01:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 119.58 Mbit/s
95th percentile per-packet one-way delay: 141.193 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.37 Mbit/s
95th percentile per-packet one-way delay: 138.349 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.36 Mbit/s
95th percentile per-packet one-way delay: 140.180 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 73.42 Mbit/s
95th percentile per-packet one-way delay: 143.707 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-08-02 08:07:42

End at: 2018-08-02 08:08:12

Local clock offset: 0.038 ms

Remote clock offset: 0.311 ms

Below is generated by plot.py at 2018-08-02 12:01:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.01 Mbit/s

95th percentile per-packet one-way delay: 140.812 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 46.06 Mbit/s

95th percentile per-packet one-way delay: 140.841 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 40.09 Mbit/s

95th percentile per-packet one-way delay: 139.784 ms

Loss rate: 0.00%

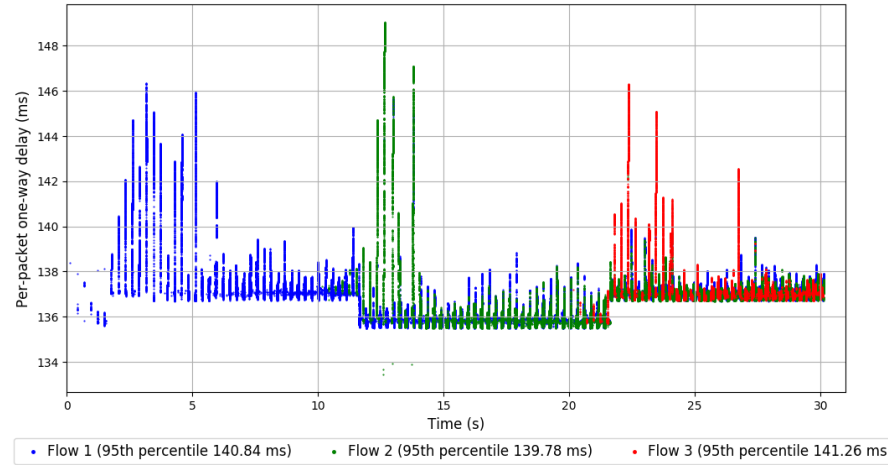
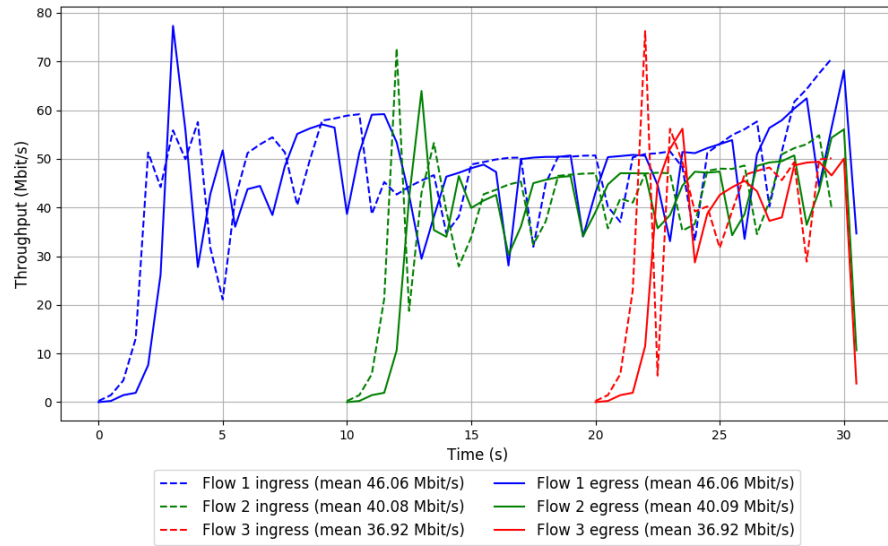
-- Flow 3:

Average throughput: 36.92 Mbit/s

95th percentile per-packet one-way delay: 141.256 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

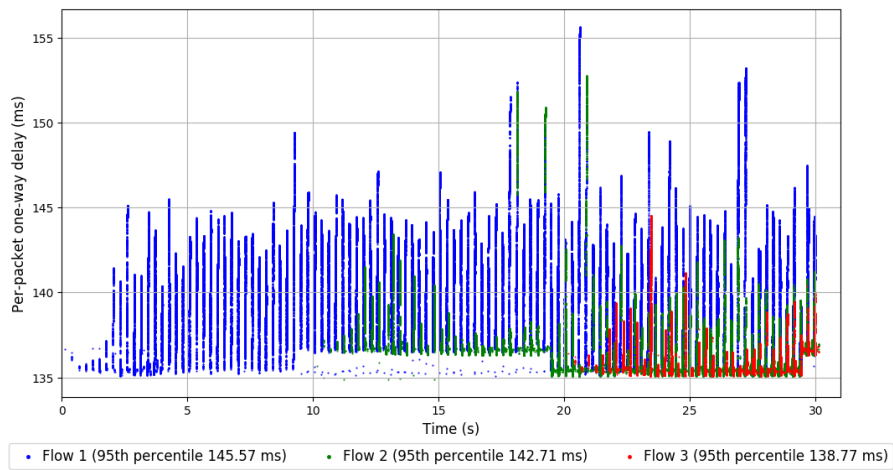
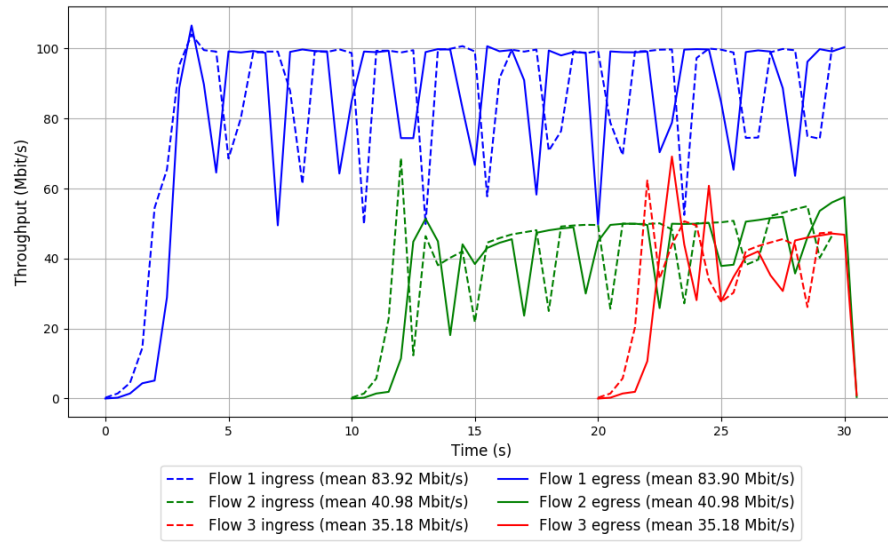


Run 4: Statistics of TCP Cubic

Start at: 2018-08-02 08:34:54
End at: 2018-08-02 08:35:24
Local clock offset: 0.124 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-08-02 12:01:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 122.53 Mbit/s
95th percentile per-packet one-way delay: 145.193 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.90 Mbit/s
95th percentile per-packet one-way delay: 145.575 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.98 Mbit/s
95th percentile per-packet one-way delay: 142.707 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.18 Mbit/s
95th percentile per-packet one-way delay: 138.767 ms
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-08-02 09:02:05

End at: 2018-08-02 09:02:35

Local clock offset: 0.107 ms

Remote clock offset: 0.228 ms

Below is generated by plot.py at 2018-08-02 12:01:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.37 Mbit/s

95th percentile per-packet one-way delay: 142.887 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 52.62 Mbit/s

95th percentile per-packet one-way delay: 142.957 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 46.86 Mbit/s

95th percentile per-packet one-way delay: 142.852 ms

Loss rate: 0.00%

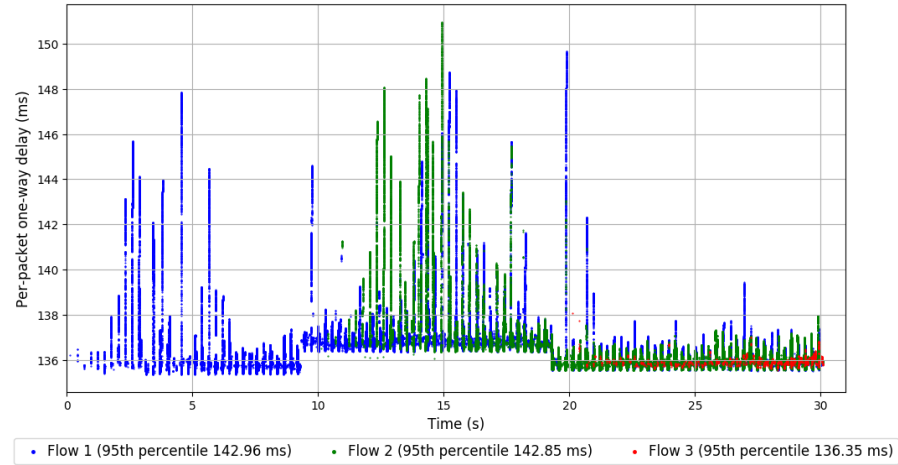
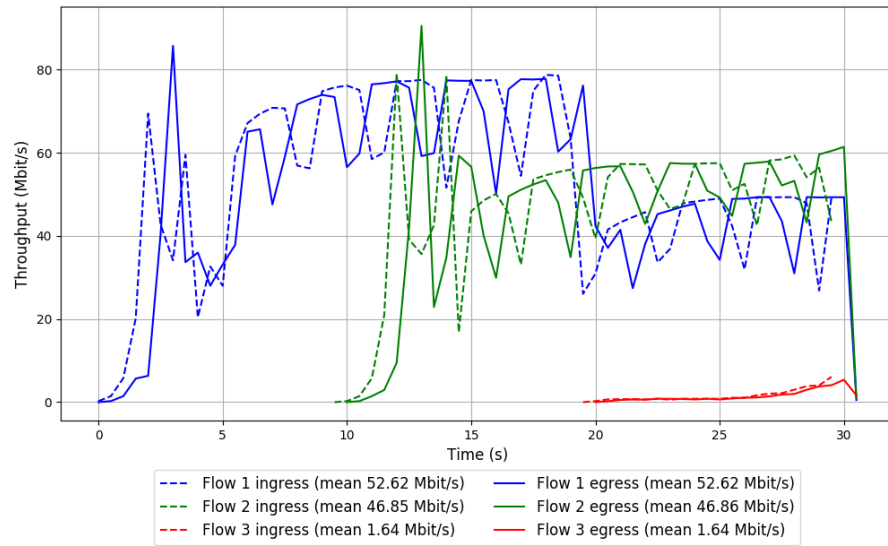
-- Flow 3:

Average throughput: 1.64 Mbit/s

95th percentile per-packet one-way delay: 136.346 ms

Loss rate: 0.07%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-08-02 09:28:40

End at: 2018-08-02 09:29:10

Local clock offset: 0.098 ms

Remote clock offset: 0.331 ms

Below is generated by plot.py at 2018-08-02 12:01:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 145.49 Mbit/s

95th percentile per-packet one-way delay: 145.673 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 84.19 Mbit/s

95th percentile per-packet one-way delay: 146.217 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 72.62 Mbit/s

95th percentile per-packet one-way delay: 145.547 ms

Loss rate: 0.00%

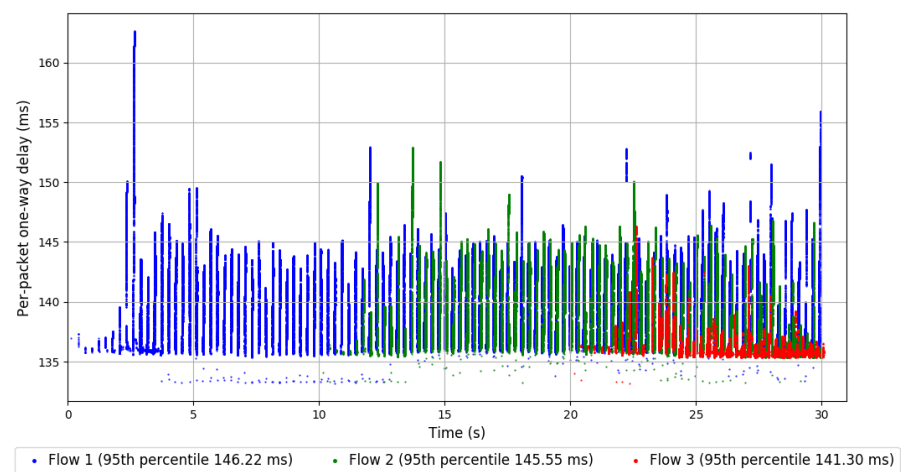
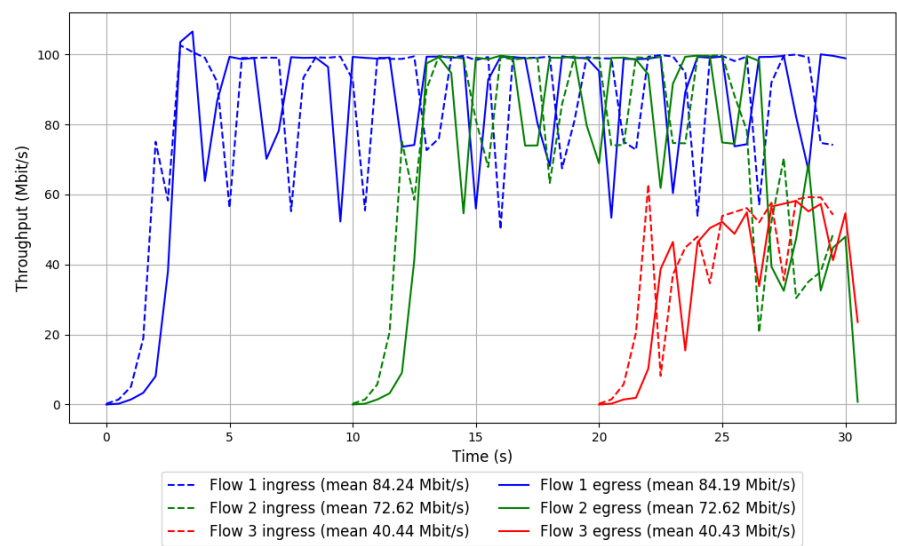
-- Flow 3:

Average throughput: 40.43 Mbit/s

95th percentile per-packet one-way delay: 141.297 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-08-02 09:55:03

End at: 2018-08-02 09:55:33

Local clock offset: 0.175 ms

Remote clock offset: 0.242 ms

Below is generated by plot.py at 2018-08-02 12:01:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.52 Mbit/s

95th percentile per-packet one-way delay: 143.815 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 52.24 Mbit/s

95th percentile per-packet one-way delay: 146.876 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 40.57 Mbit/s

95th percentile per-packet one-way delay: 140.465 ms

Loss rate: 0.00%

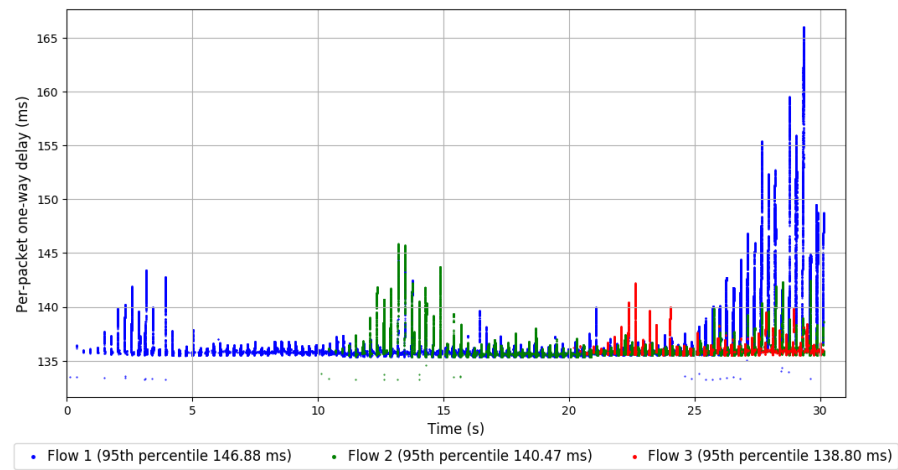
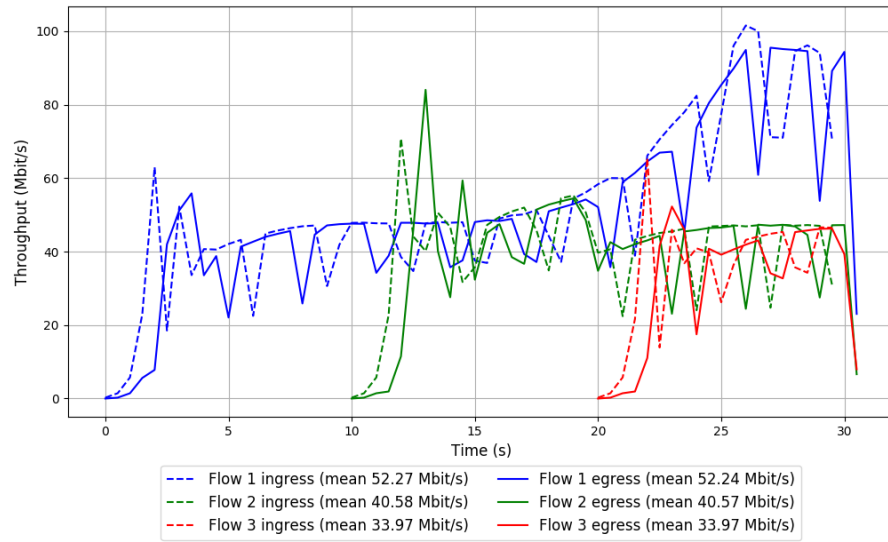
-- Flow 3:

Average throughput: 33.97 Mbit/s

95th percentile per-packet one-way delay: 138.797 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-08-02 10:21:21

End at: 2018-08-02 10:21:51

Local clock offset: -7.379 ms

Remote clock offset: 0.159 ms

Below is generated by plot.py at 2018-08-02 12:01:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 112.11 Mbit/s

95th percentile per-packet one-way delay: 144.254 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 57.03 Mbit/s

95th percentile per-packet one-way delay: 145.180 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 64.14 Mbit/s

95th percentile per-packet one-way delay: 140.664 ms

Loss rate: 0.00%

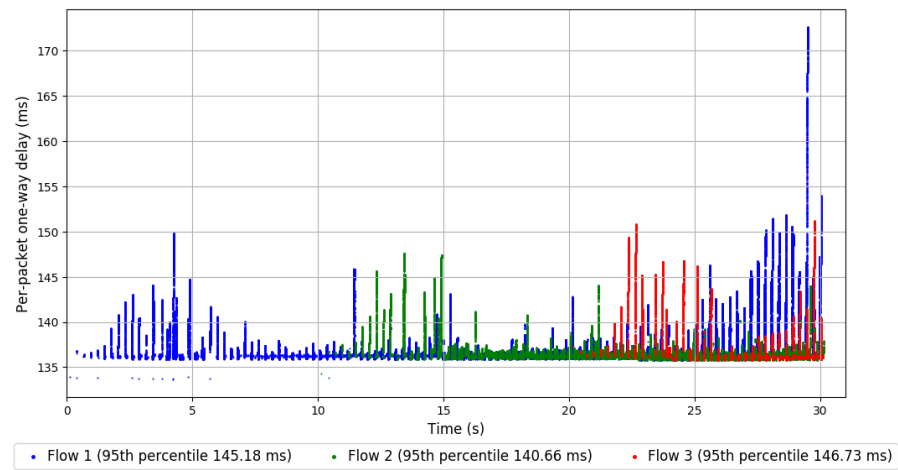
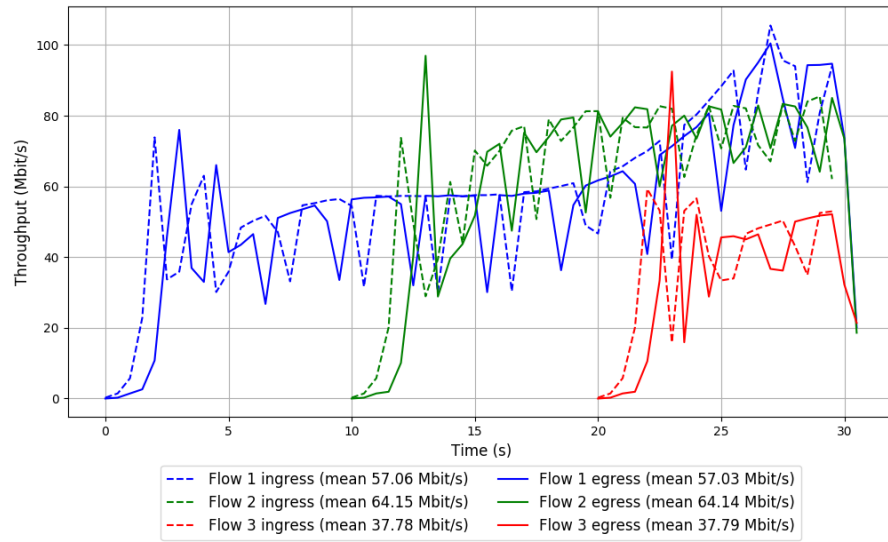
-- Flow 3:

Average throughput: 37.79 Mbit/s

95th percentile per-packet one-way delay: 146.732 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link

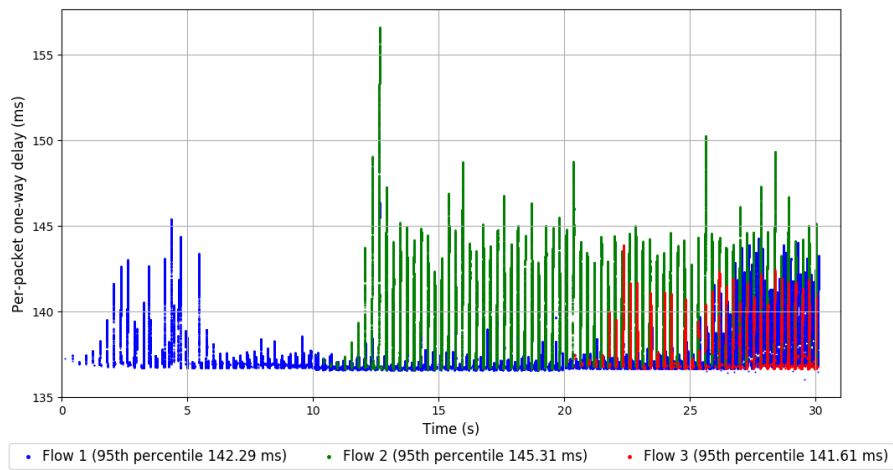
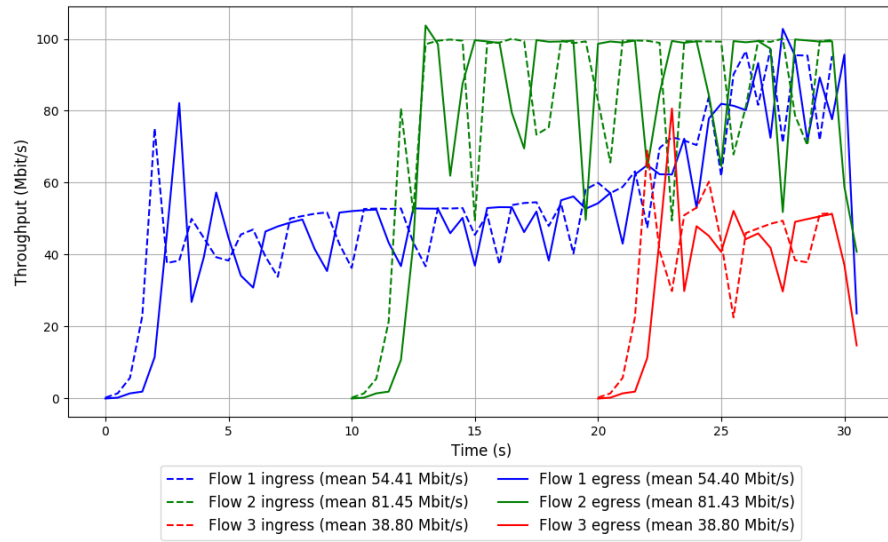


Run 9: Statistics of TCP Cubic

Start at: 2018-08-02 10:47:54
End at: 2018-08-02 10:48:24
Local clock offset: -10.745 ms
Remote clock offset: -1.566 ms

Below is generated by plot.py at 2018-08-02 12:01:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 121.30 Mbit/s
95th percentile per-packet one-way delay: 144.249 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.40 Mbit/s
95th percentile per-packet one-way delay: 142.293 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 81.43 Mbit/s
95th percentile per-packet one-way delay: 145.308 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 38.80 Mbit/s
95th percentile per-packet one-way delay: 141.610 ms
Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link

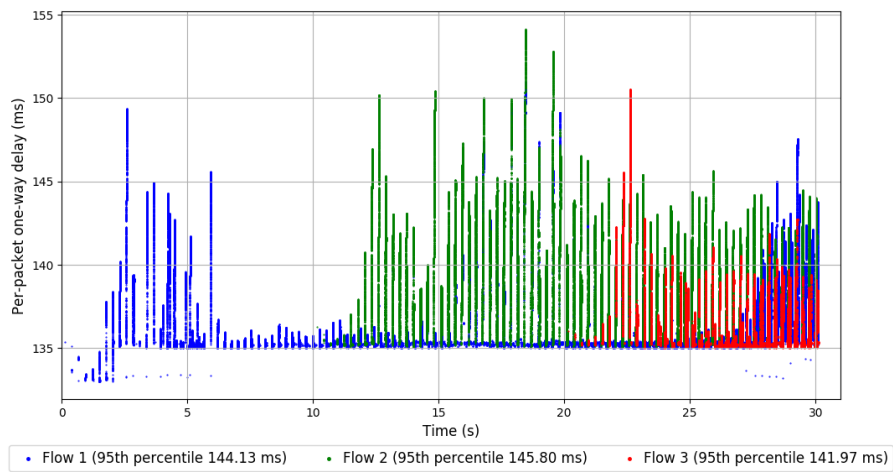
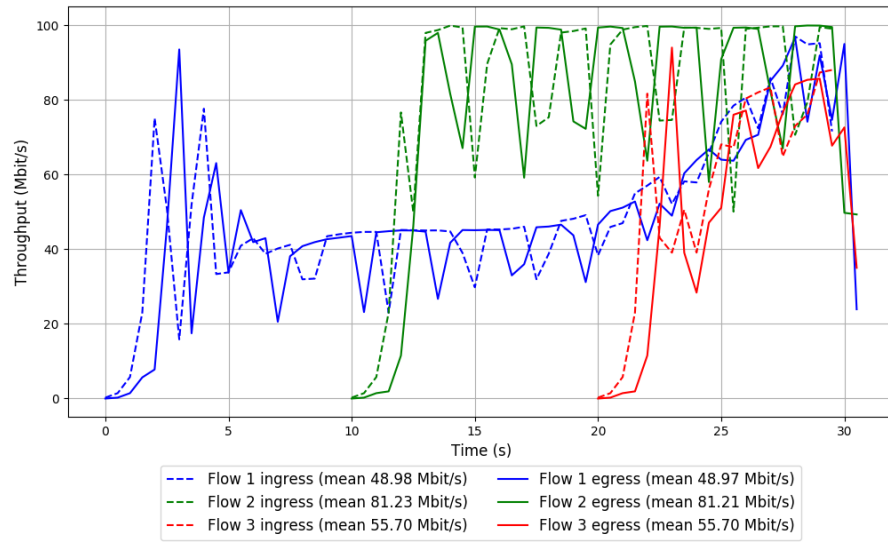


Run 10: Statistics of TCP Cubic

Start at: 2018-08-02 11:15:32
End at: 2018-08-02 11:16:02
Local clock offset: -3.556 ms
Remote clock offset: -2.938 ms

Below is generated by plot.py at 2018-08-02 12:01:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 121.34 Mbit/s
95th percentile per-packet one-way delay: 144.946 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.97 Mbit/s
95th percentile per-packet one-way delay: 144.130 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 81.21 Mbit/s
95th percentile per-packet one-way delay: 145.796 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 55.70 Mbit/s
95th percentile per-packet one-way delay: 141.966 ms
Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

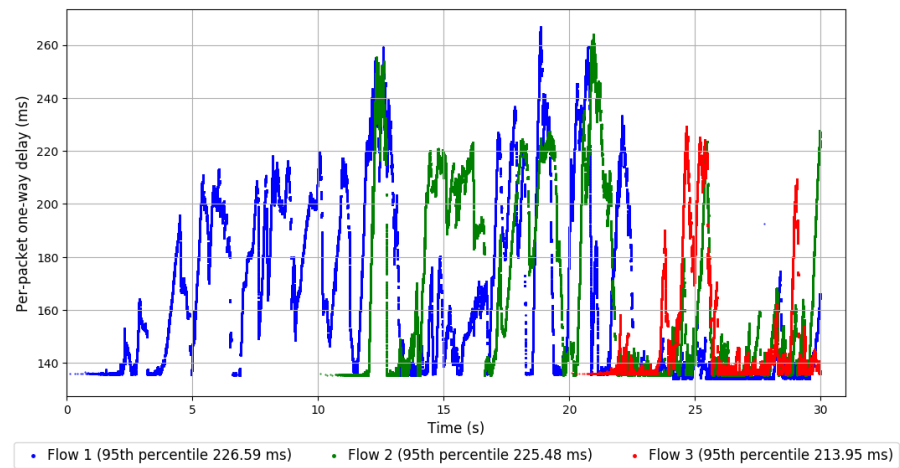
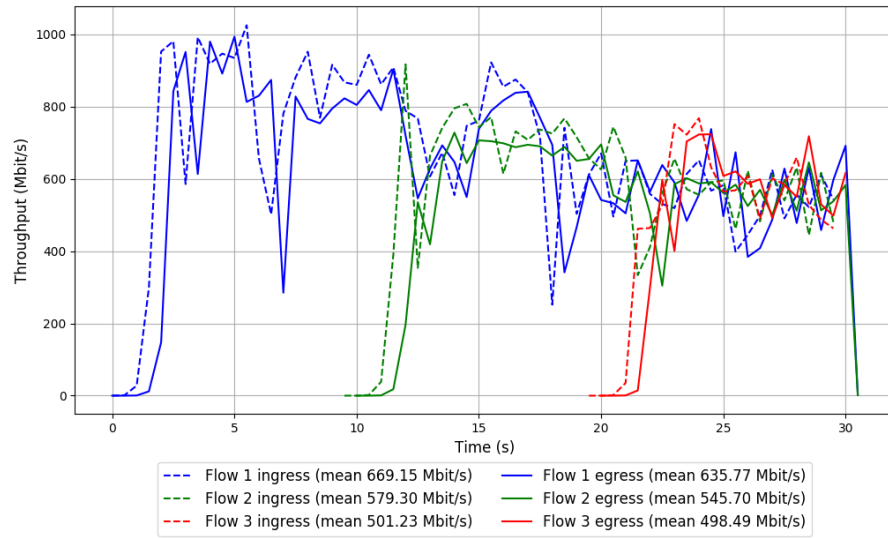


Run 1: Statistics of FillP

Start at: 2018-08-02 07:14:30
End at: 2018-08-02 07:15:00
Local clock offset: 0.055 ms
Remote clock offset: -0.386 ms

Below is generated by plot.py at 2018-08-02 12:17:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 1164.94 Mbit/s
95th percentile per-packet one-way delay: 223.690 ms
Loss rate: 4.63%
-- Flow 1:
Average throughput: 635.77 Mbit/s
95th percentile per-packet one-way delay: 226.594 ms
Loss rate: 4.98%
-- Flow 2:
Average throughput: 545.70 Mbit/s
95th percentile per-packet one-way delay: 225.483 ms
Loss rate: 5.79%
-- Flow 3:
Average throughput: 498.49 Mbit/s
95th percentile per-packet one-way delay: 213.948 ms
Loss rate: 0.55%

Run 1: Report of FillP — Data Link

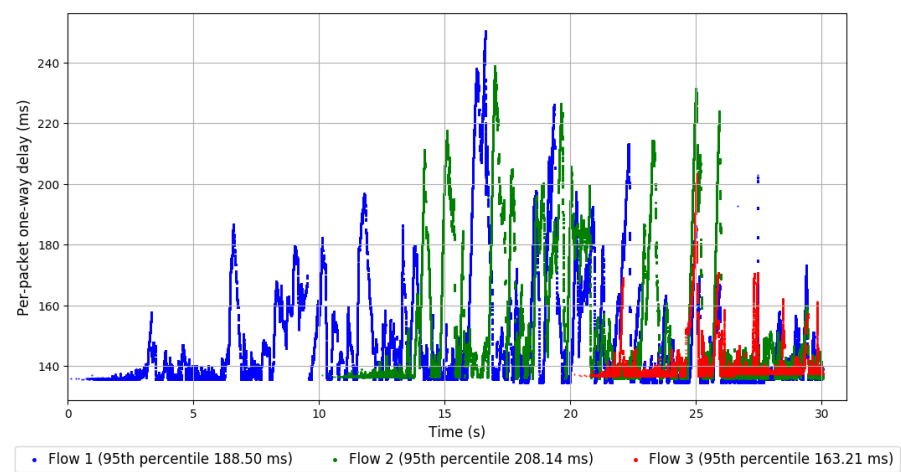
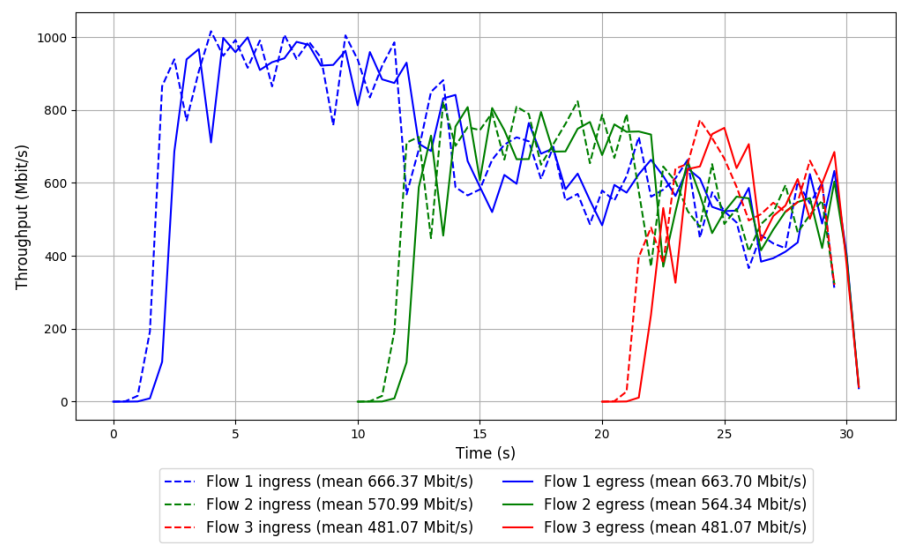


Run 2: Statistics of FillP

Start at: 2018-08-02 07:41:56
End at: 2018-08-02 07:42:26
Local clock offset: -0.087 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-08-02 12:18:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 1198.34 Mbit/s
95th percentile per-packet one-way delay: 195.995 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 663.70 Mbit/s
95th percentile per-packet one-way delay: 188.496 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 564.34 Mbit/s
95th percentile per-packet one-way delay: 208.141 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 481.07 Mbit/s
95th percentile per-packet one-way delay: 163.205 ms
Loss rate: 0.01%

Run 2: Report of FillP — Data Link

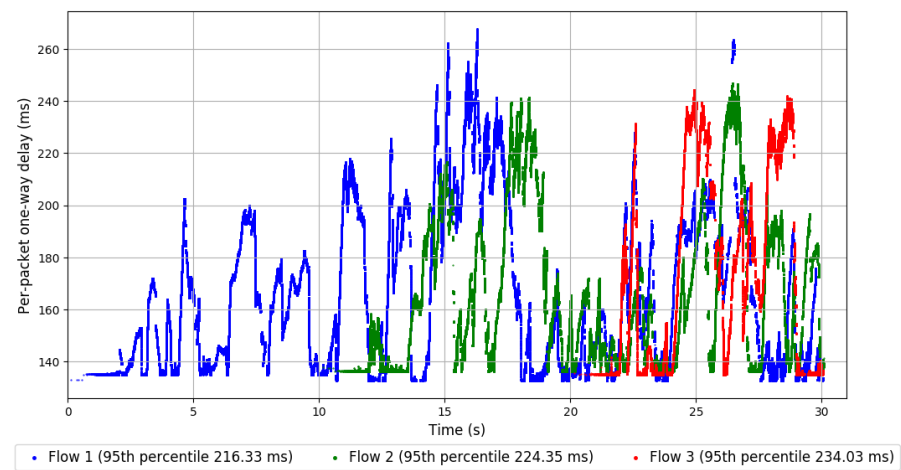
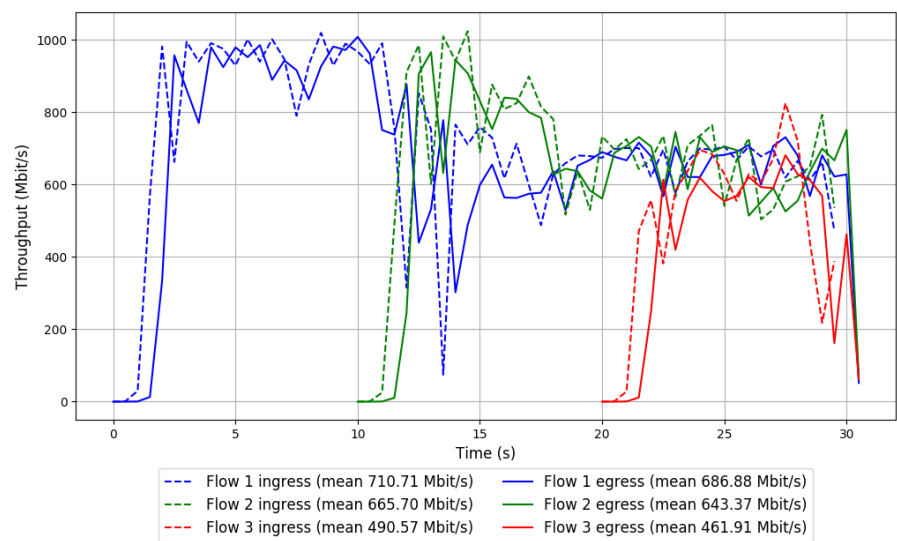


Run 3: Statistics of FillP

Start at: 2018-08-02 08:09:03
End at: 2018-08-02 08:09:33
Local clock offset: 0.03 ms
Remote clock offset: -0.397 ms

Below is generated by plot.py at 2018-08-02 12:20:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 1267.83 Mbit/s
95th percentile per-packet one-way delay: 226.323 ms
Loss rate: 3.66%
-- Flow 1:
Average throughput: 686.88 Mbit/s
95th percentile per-packet one-way delay: 216.327 ms
Loss rate: 3.35%
-- Flow 2:
Average throughput: 643.37 Mbit/s
95th percentile per-packet one-way delay: 224.350 ms
Loss rate: 3.34%
-- Flow 3:
Average throughput: 461.91 Mbit/s
95th percentile per-packet one-way delay: 234.027 ms
Loss rate: 5.83%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-08-02 08:36:18

End at: 2018-08-02 08:36:48

Local clock offset: -0.175 ms

Remote clock offset: 0.28 ms

Below is generated by plot.py at 2018-08-02 12:20:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 1216.05 Mbit/s

95th percentile per-packet one-way delay: 225.500 ms

Loss rate: 4.24%

-- Flow 1:

Average throughput: 653.57 Mbit/s

95th percentile per-packet one-way delay: 226.884 ms

Loss rate: 4.68%

-- Flow 2:

Average throughput: 597.07 Mbit/s

95th percentile per-packet one-way delay: 220.483 ms

Loss rate: 3.75%

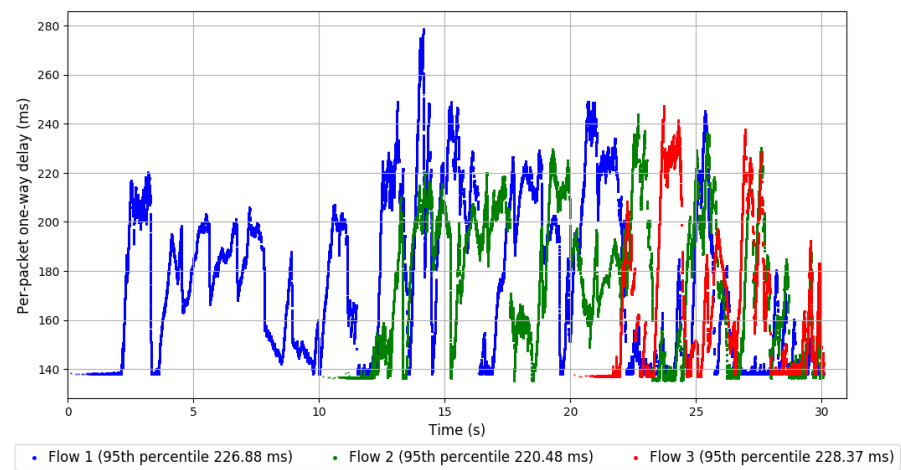
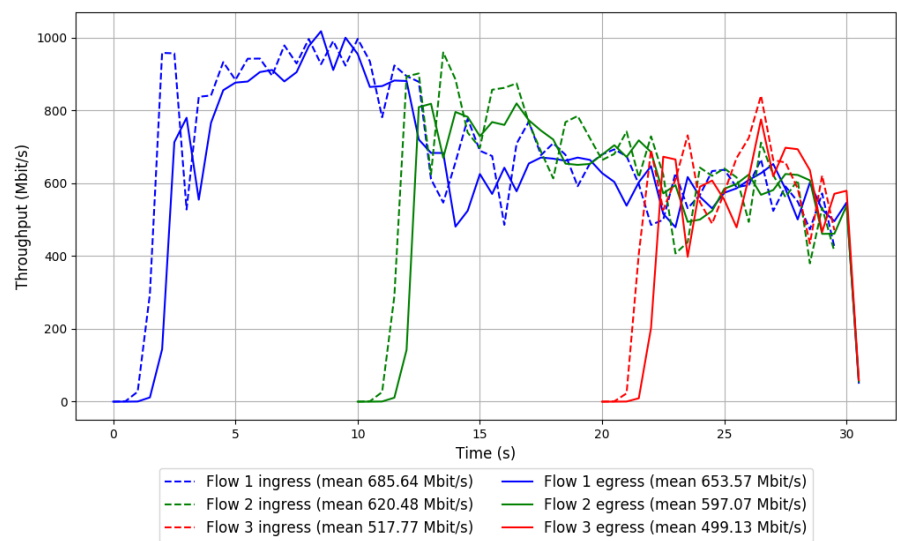
-- Flow 3:

Average throughput: 499.13 Mbit/s

95th percentile per-packet one-way delay: 228.367 ms

Loss rate: 3.67%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-08-02 09:03:25

End at: 2018-08-02 09:03:55

Local clock offset: -0.219 ms

Remote clock offset: 0.239 ms

Below is generated by plot.py at 2018-08-02 12:20:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 1057.64 Mbit/s

95th percentile per-packet one-way delay: 233.447 ms

Loss rate: 5.32%

-- Flow 1:

Average throughput: 564.62 Mbit/s

95th percentile per-packet one-way delay: 232.300 ms

Loss rate: 5.25%

-- Flow 2:

Average throughput: 530.46 Mbit/s

95th percentile per-packet one-way delay: 234.152 ms

Loss rate: 5.99%

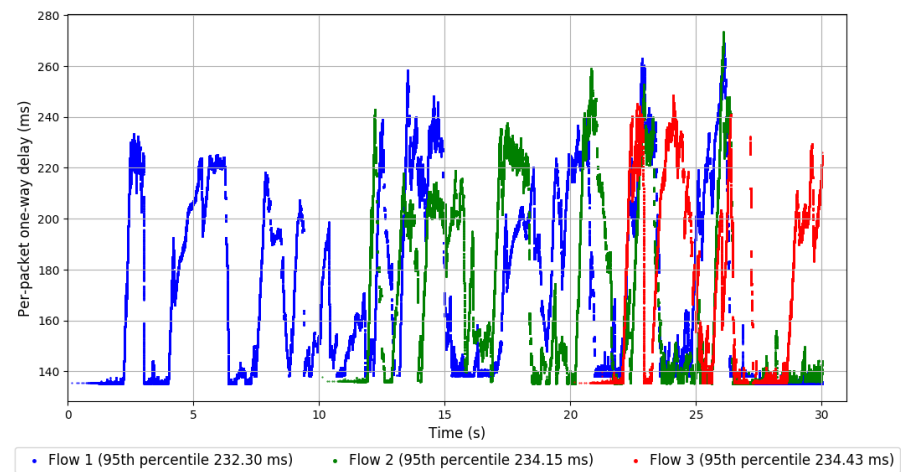
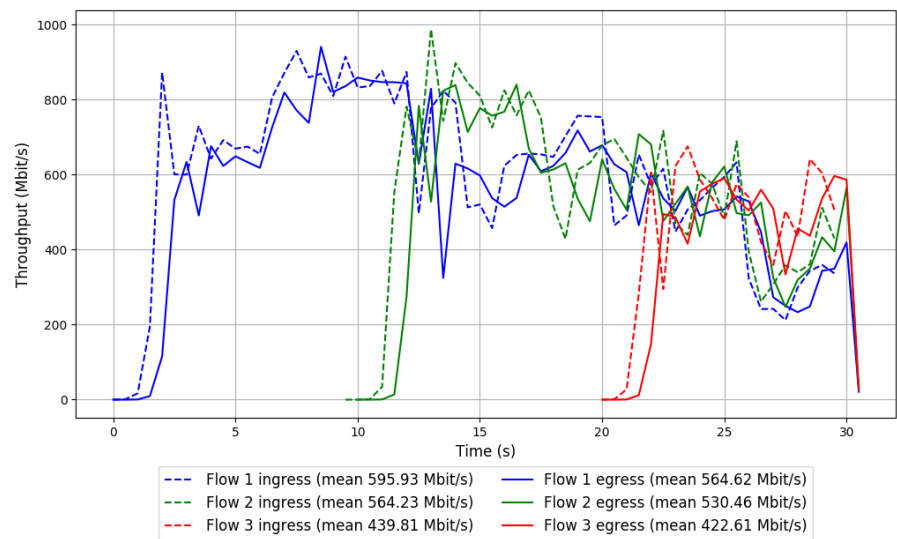
-- Flow 3:

Average throughput: 422.61 Mbit/s

95th percentile per-packet one-way delay: 234.428 ms

Loss rate: 3.89%

Run 5: Report of FillP — Data Link

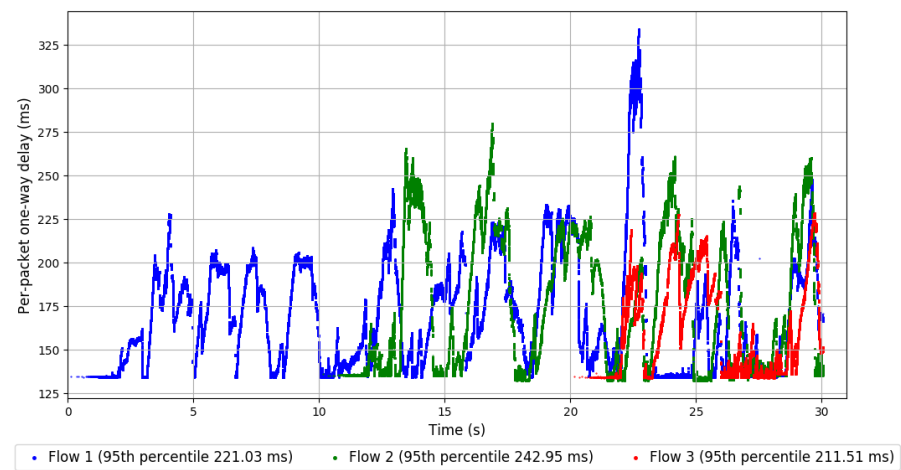
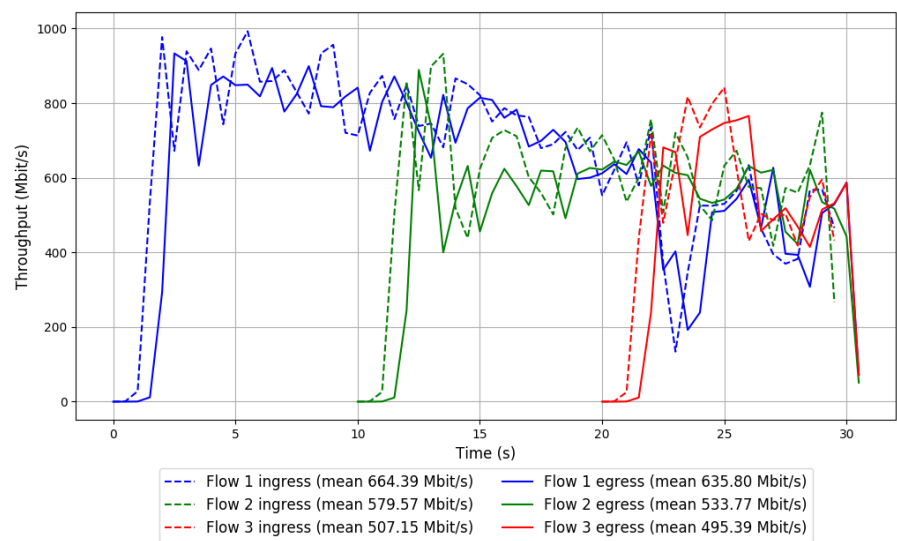


Run 6: Statistics of FillP

Start at: 2018-08-02 09:30:06
End at: 2018-08-02 09:30:36
Local clock offset: 0.173 ms
Remote clock offset: -0.348 ms

Below is generated by plot.py at 2018-08-02 12:20:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 1154.83 Mbit/s
95th percentile per-packet one-way delay: 227.271 ms
Loss rate: 5.17%
-- Flow 1:
Average throughput: 635.80 Mbit/s
95th percentile per-packet one-way delay: 221.025 ms
Loss rate: 4.30%
-- Flow 2:
Average throughput: 533.77 Mbit/s
95th percentile per-packet one-way delay: 242.949 ms
Loss rate: 7.91%
-- Flow 3:
Average throughput: 495.39 Mbit/s
95th percentile per-packet one-way delay: 211.506 ms
Loss rate: 2.33%

Run 6: Report of FillP — Data Link

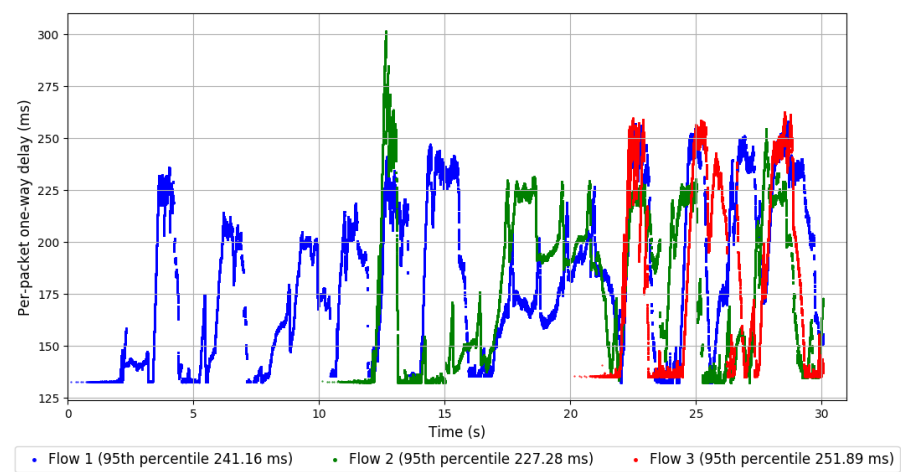
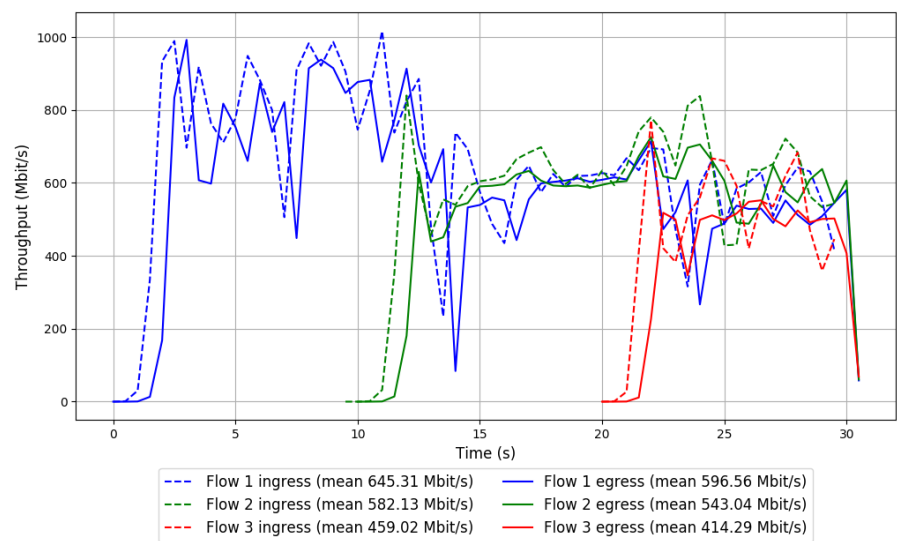


Run 7: Statistics of FillP

Start at: 2018-08-02 09:56:25
End at: 2018-08-02 09:56:55
Local clock offset: 0.008 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-08-02 12:20:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 1095.37 Mbit/s
95th percentile per-packet one-way delay: 242.957 ms
Loss rate: 7.55%
-- Flow 1:
Average throughput: 596.56 Mbit/s
95th percentile per-packet one-way delay: 241.157 ms
Loss rate: 7.55%
-- Flow 2:
Average throughput: 543.04 Mbit/s
95th percentile per-packet one-way delay: 227.285 ms
Loss rate: 6.70%
-- Flow 3:
Average throughput: 414.29 Mbit/s
95th percentile per-packet one-way delay: 251.886 ms
Loss rate: 9.74%

Run 7: Report of FillP — Data Link

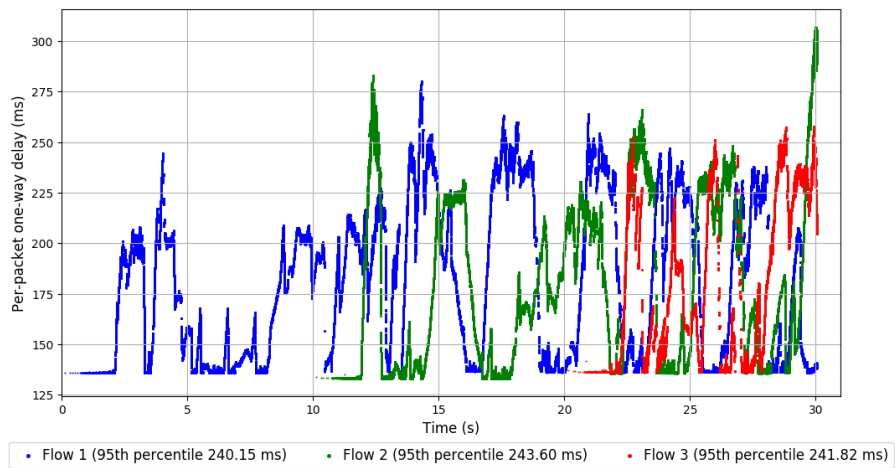
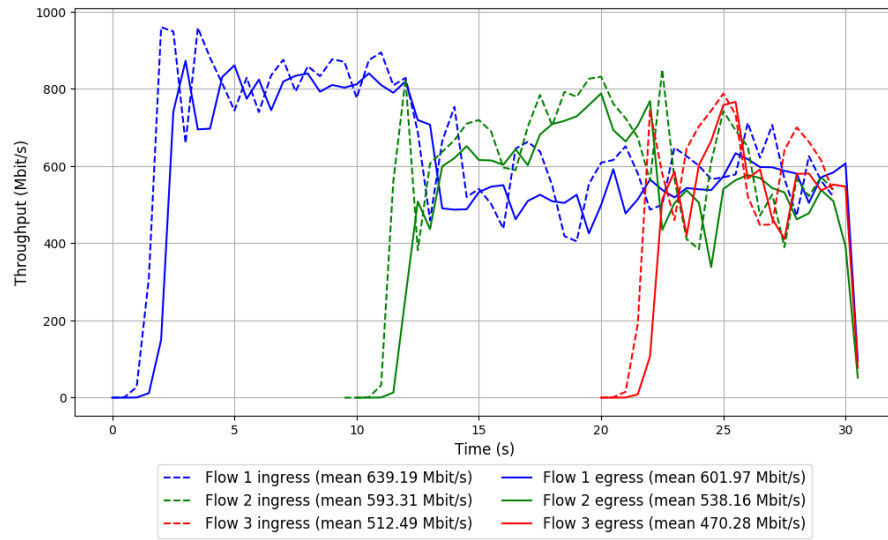


Run 8: Statistics of FillP

Start at: 2018-08-02 10:22:43
End at: 2018-08-02 10:23:13
Local clock offset: -7.015 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-08-02 12:23:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 1116.41 Mbit/s
95th percentile per-packet one-way delay: 241.103 ms
Loss rate: 7.29%
-- Flow 1:
Average throughput: 601.97 Mbit/s
95th percentile per-packet one-way delay: 240.146 ms
Loss rate: 5.82%
-- Flow 2:
Average throughput: 538.16 Mbit/s
95th percentile per-packet one-way delay: 243.599 ms
Loss rate: 9.27%
-- Flow 3:
Average throughput: 470.28 Mbit/s
95th percentile per-packet one-way delay: 241.824 ms
Loss rate: 8.24%

Run 8: Report of FillP — Data Link

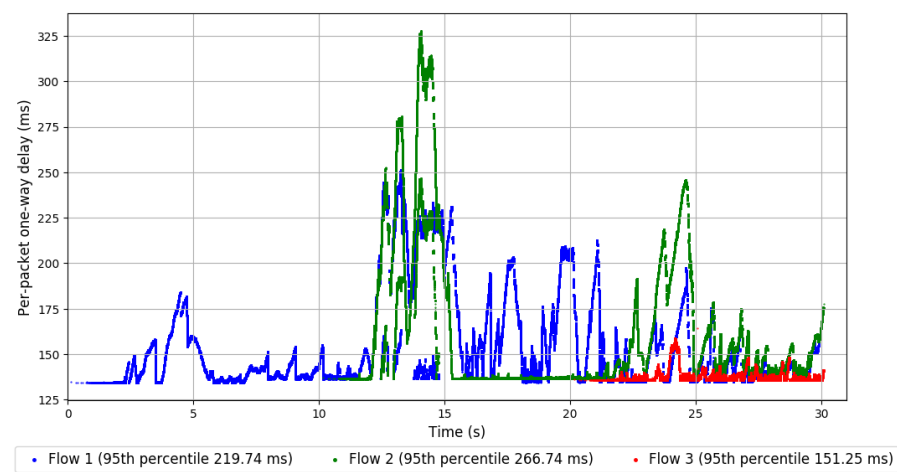
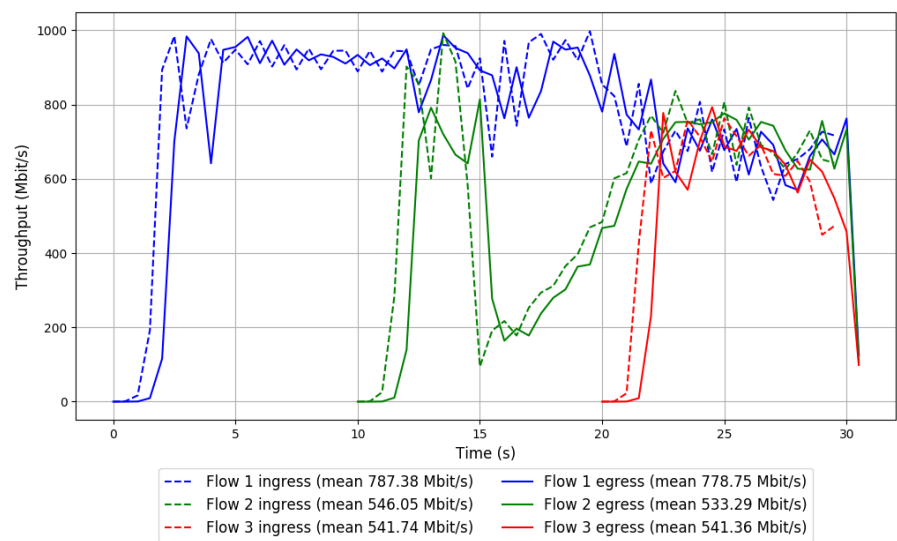


Run 9: Statistics of FillP

Start at: 2018-08-02 10:49:17
End at: 2018-08-02 10:49:47
Local clock offset: -10.966 ms
Remote clock offset: -2.185 ms

Below is generated by plot.py at 2018-08-02 12:41:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 1312.83 Mbit/s
95th percentile per-packet one-way delay: 224.046 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 778.75 Mbit/s
95th percentile per-packet one-way delay: 219.743 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 533.29 Mbit/s
95th percentile per-packet one-way delay: 266.736 ms
Loss rate: 2.32%
-- Flow 3:
Average throughput: 541.36 Mbit/s
95th percentile per-packet one-way delay: 151.251 ms
Loss rate: 0.06%

Run 9: Report of FillP — Data Link

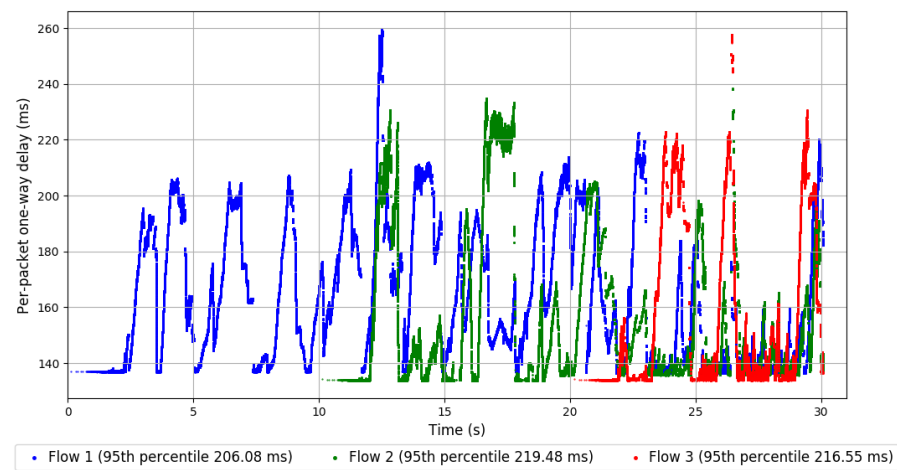
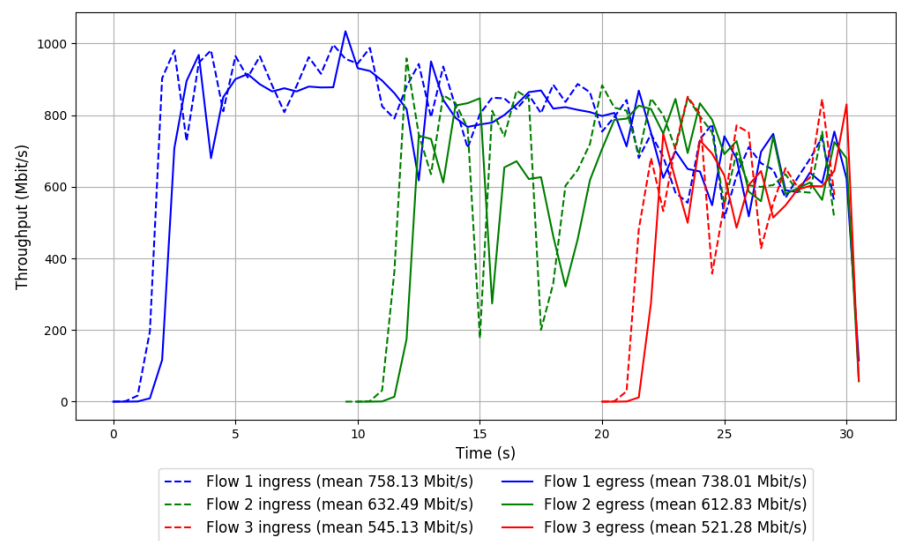


Run 10: Statistics of FillP

Start at: 2018-08-02 11:16:54
End at: 2018-08-02 11:17:24
Local clock offset: -3.816 ms
Remote clock offset: -2.662 ms

Below is generated by plot.py at 2018-08-02 12:43:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 1318.80 Mbit/s
95th percentile per-packet one-way delay: 210.036 ms
Loss rate: 2.98%
-- Flow 1:
Average throughput: 738.01 Mbit/s
95th percentile per-packet one-way delay: 206.082 ms
Loss rate: 2.61%
-- Flow 2:
Average throughput: 612.83 Mbit/s
95th percentile per-packet one-way delay: 219.484 ms
Loss rate: 3.07%
-- Flow 3:
Average throughput: 521.28 Mbit/s
95th percentile per-packet one-way delay: 216.547 ms
Loss rate: 4.36%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-02 07:01:00

End at: 2018-08-02 07:01:30

Local clock offset: 0.178 ms

Remote clock offset: 0.304 ms

Below is generated by plot.py at 2018-08-02 12:43:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 1030.64 Mbit/s

95th percentile per-packet one-way delay: 228.393 ms

Loss rate: 5.00%

-- Flow 1:

Average throughput: 576.85 Mbit/s

95th percentile per-packet one-way delay: 227.641 ms

Loss rate: 6.38%

-- Flow 2:

Average throughput: 482.44 Mbit/s

95th percentile per-packet one-way delay: 231.713 ms

Loss rate: 3.95%

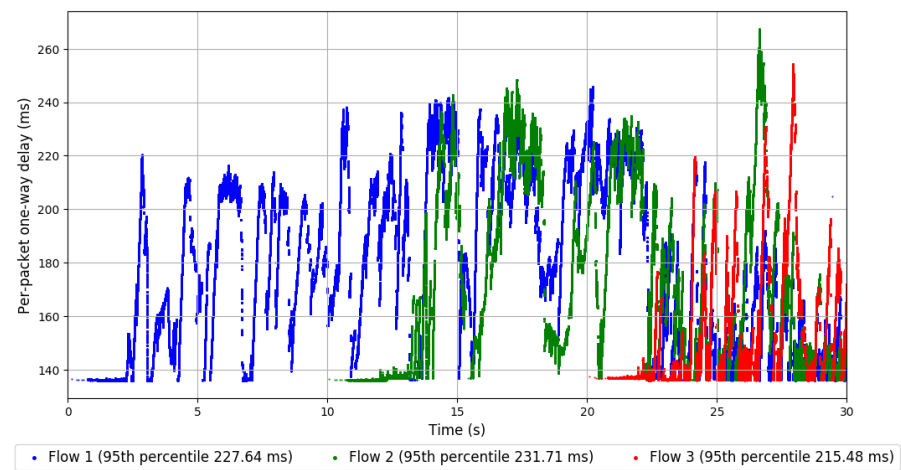
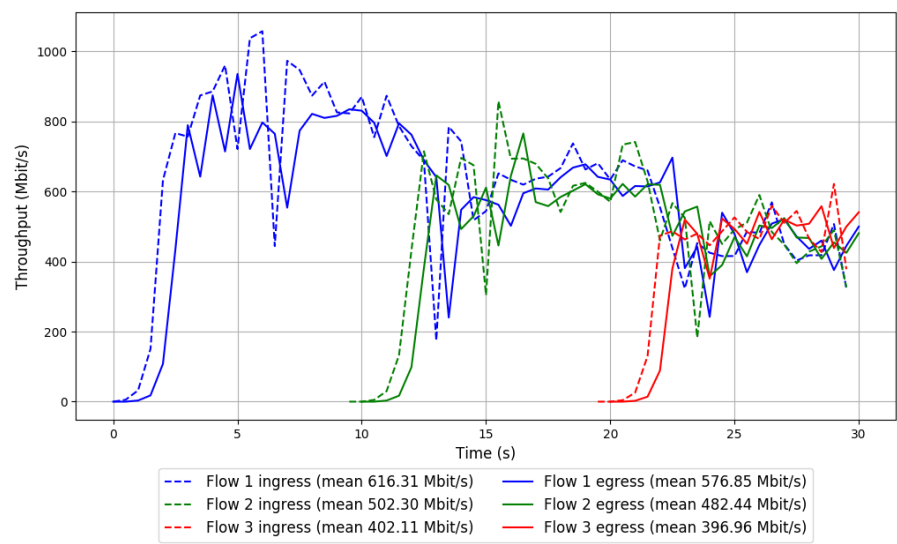
-- Flow 3:

Average throughput: 396.96 Mbit/s

95th percentile per-packet one-way delay: 215.481 ms

Loss rate: 1.28%

Run 1: Report of FillP-Sheep — Data Link

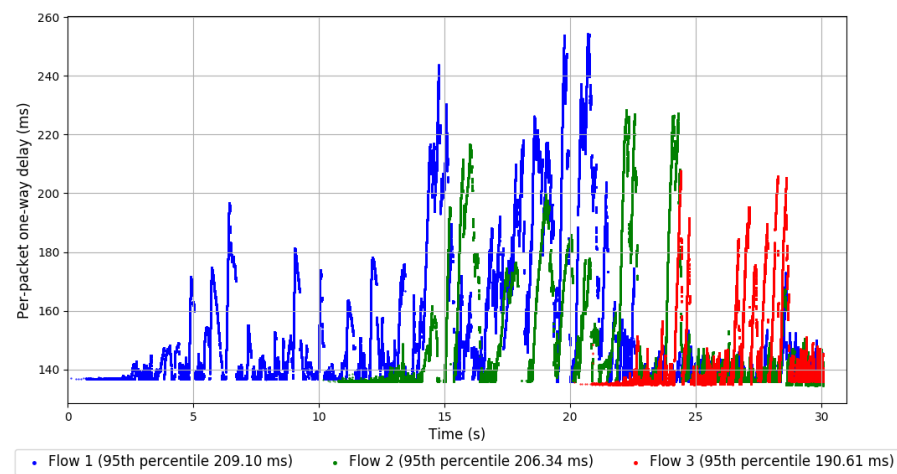
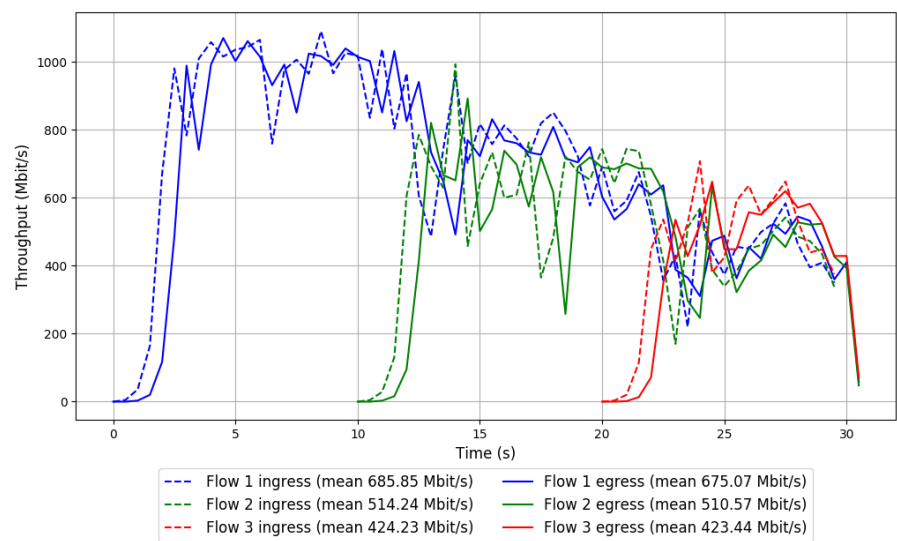


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-02 07:28:15
End at: 2018-08-02 07:28:45
Local clock offset: -0.055 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-08-02 12:43:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 1154.43 Mbit/s
95th percentile per-packet one-way delay: 206.170 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 675.07 Mbit/s
95th percentile per-packet one-way delay: 209.100 ms
Loss rate: 1.56%
-- Flow 2:
Average throughput: 510.57 Mbit/s
95th percentile per-packet one-way delay: 206.341 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 423.44 Mbit/s
95th percentile per-packet one-way delay: 190.606 ms
Loss rate: 0.14%

Run 2: Report of FillP-Sheep — Data Link

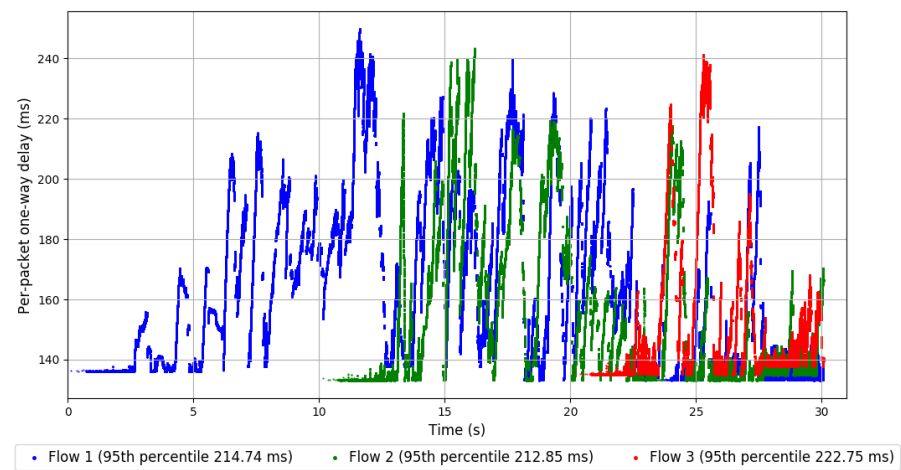
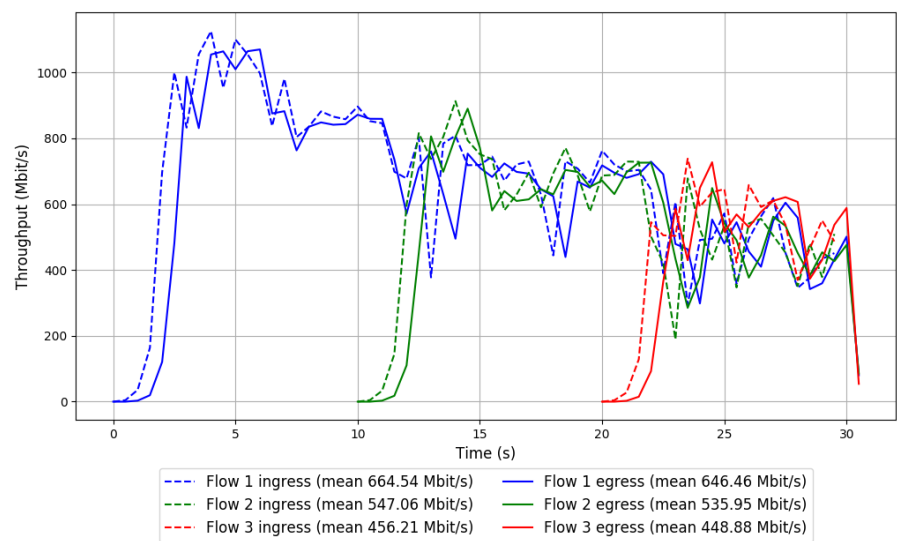


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-02 07:55:26
End at: 2018-08-02 07:55:56
Local clock offset: -0.155 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-08-02 12:43:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 1151.37 Mbit/s
95th percentile per-packet one-way delay: 214.473 ms
Loss rate: 2.36%
-- Flow 1:
Average throughput: 646.46 Mbit/s
95th percentile per-packet one-way delay: 214.739 ms
Loss rate: 2.73%
-- Flow 2:
Average throughput: 535.95 Mbit/s
95th percentile per-packet one-way delay: 212.851 ms
Loss rate: 2.00%
-- Flow 3:
Average throughput: 448.88 Mbit/s
95th percentile per-packet one-way delay: 222.748 ms
Loss rate: 1.57%

Run 3: Report of FillP-Sheep — Data Link

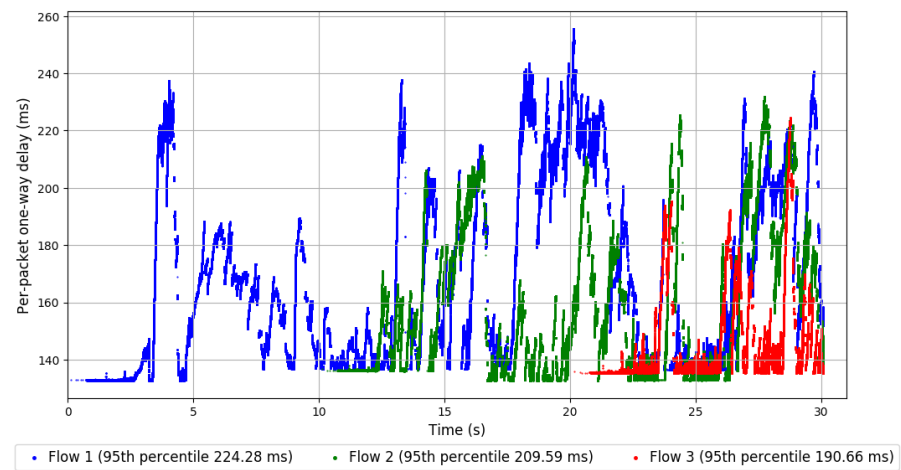
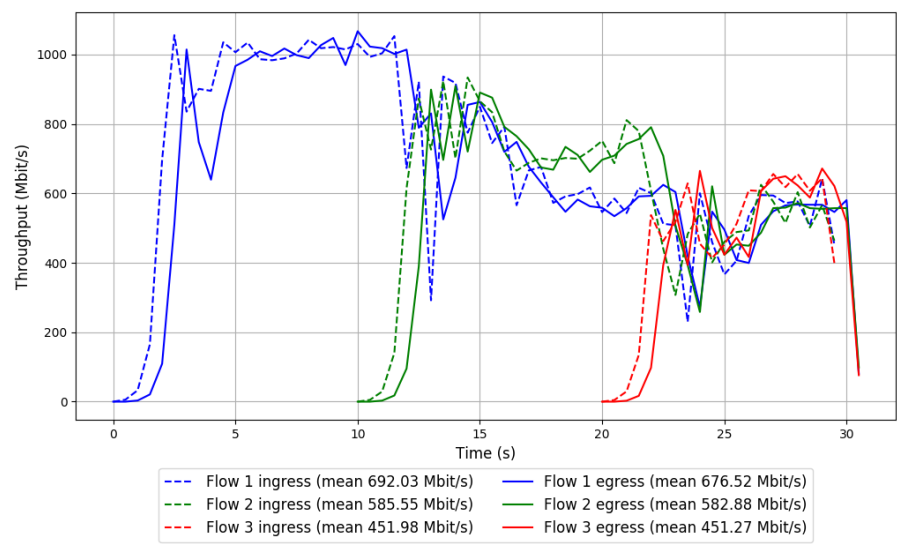


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-02 08:22:36
End at: 2018-08-02 08:23:06
Local clock offset: -0.011 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-08-02 12:43:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 1213.63 Mbit/s
95th percentile per-packet one-way delay: 218.670 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 676.52 Mbit/s
95th percentile per-packet one-way delay: 224.276 ms
Loss rate: 2.23%
-- Flow 2:
Average throughput: 582.88 Mbit/s
95th percentile per-packet one-way delay: 209.591 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 451.27 Mbit/s
95th percentile per-packet one-way delay: 190.661 ms
Loss rate: 0.16%

Run 4: Report of FillP-Sheep — Data Link

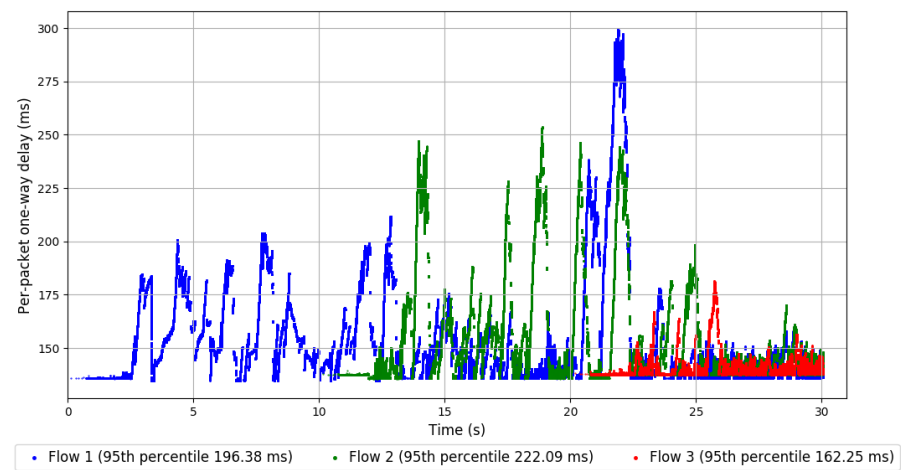
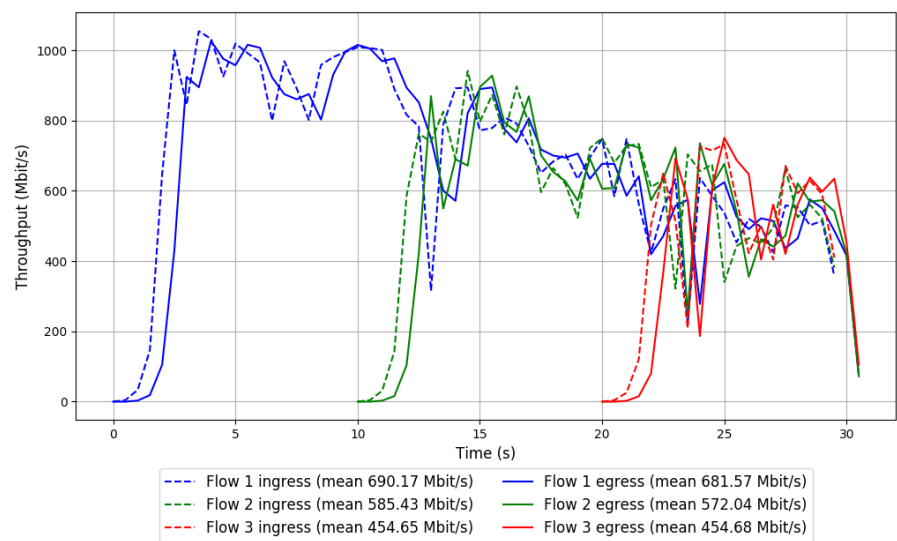


Run 5: Statistics of FillP-Sheep

Start at: 2018-08-02 08:49:41
End at: 2018-08-02 08:50:11
Local clock offset: 0.163 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-08-02 12:43:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 1212.27 Mbit/s
95th percentile per-packet one-way delay: 201.540 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 681.57 Mbit/s
95th percentile per-packet one-way delay: 196.376 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 572.04 Mbit/s
95th percentile per-packet one-way delay: 222.095 ms
Loss rate: 2.26%
-- Flow 3:
Average throughput: 454.68 Mbit/s
95th percentile per-packet one-way delay: 162.253 ms
Loss rate: 0.02%

Run 5: Report of FillP-Sheep — Data Link

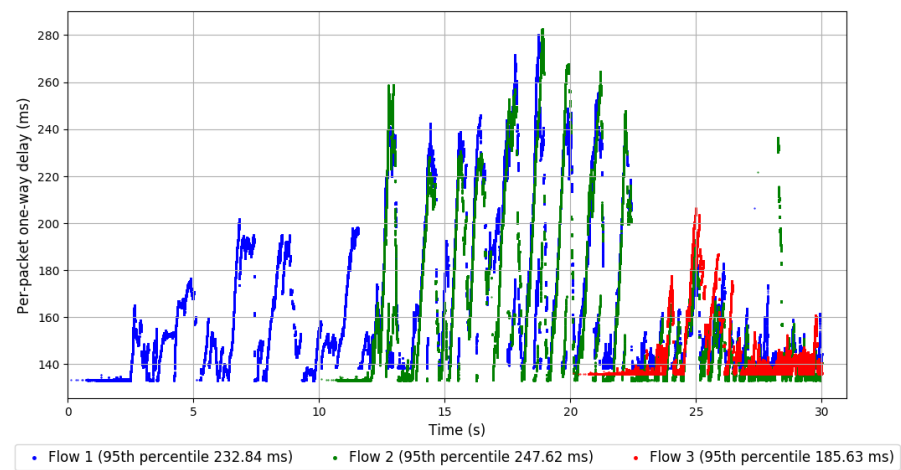
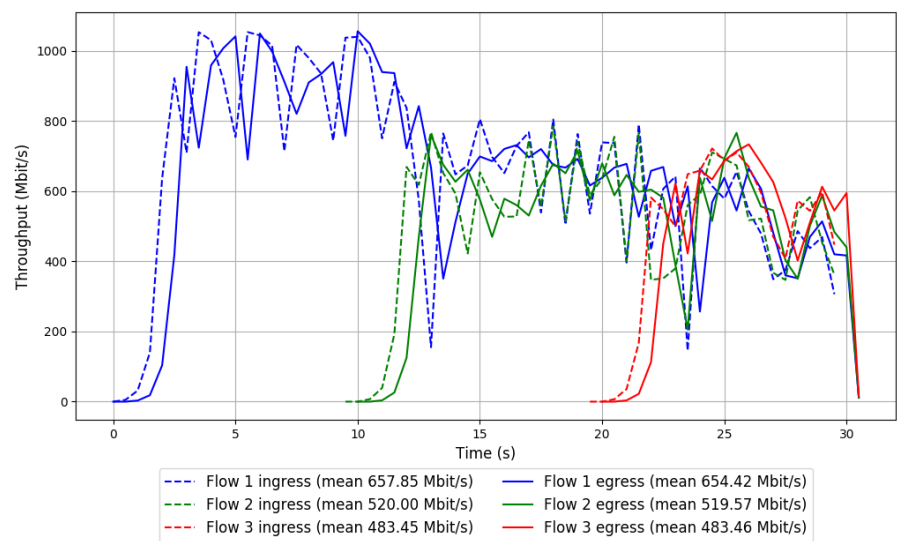


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-02 09:16:24
End at: 2018-08-02 09:16:54
Local clock offset: 0.018 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-08-02 12:47:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 1161.11 Mbit/s
95th percentile per-packet one-way delay: 235.048 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 654.42 Mbit/s
95th percentile per-packet one-way delay: 232.839 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 519.57 Mbit/s
95th percentile per-packet one-way delay: 247.619 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 483.46 Mbit/s
95th percentile per-packet one-way delay: 185.629 ms
Loss rate: 0.00%

Run 6: Report of FillP-Sheep — Data Link

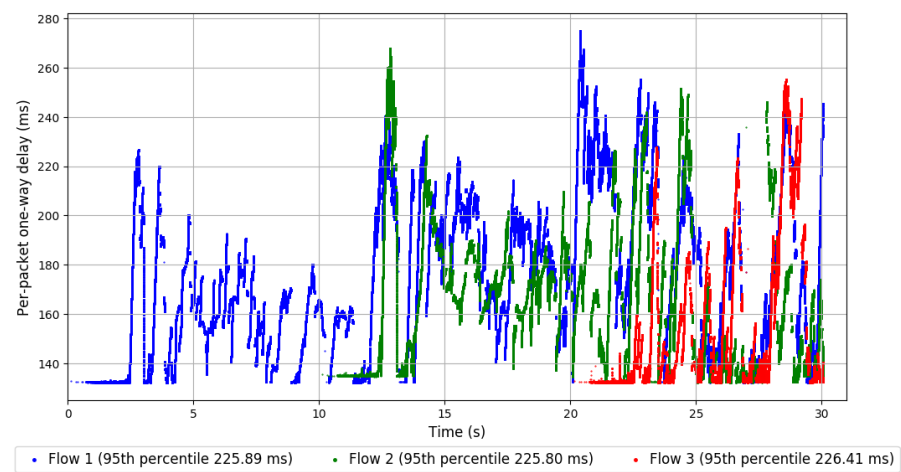
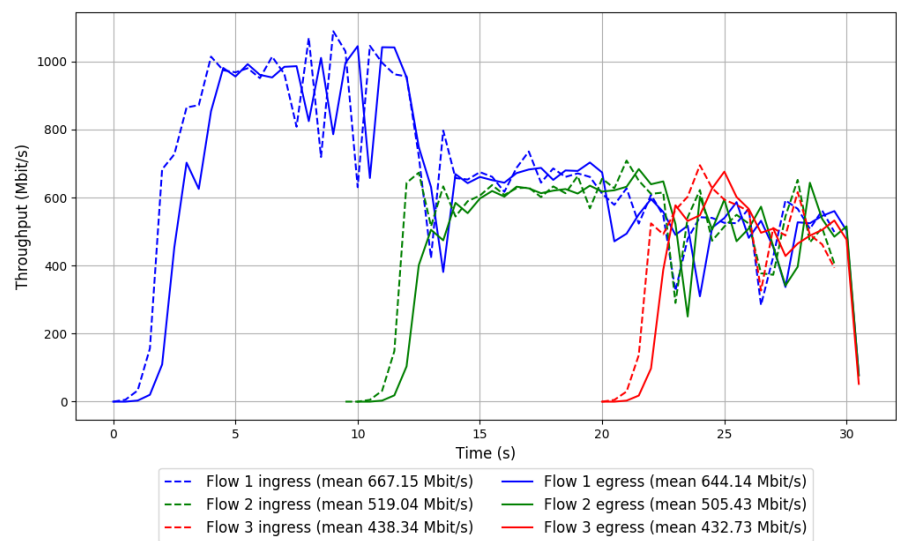


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-02 09:42:55
End at: 2018-08-02 09:43:25
Local clock offset: 0.29 ms
Remote clock offset: -0.316 ms

Below is generated by plot.py at 2018-08-02 12:59:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 1124.15 Mbit/s
95th percentile per-packet one-way delay: 225.890 ms
Loss rate: 2.86%
-- Flow 1:
Average throughput: 644.14 Mbit/s
95th percentile per-packet one-way delay: 225.894 ms
Loss rate: 3.35%
-- Flow 2:
Average throughput: 505.43 Mbit/s
95th percentile per-packet one-way delay: 225.796 ms
Loss rate: 2.58%
-- Flow 3:
Average throughput: 432.73 Mbit/s
95th percentile per-packet one-way delay: 226.415 ms
Loss rate: 1.27%

Run 7: Report of FillP-Sheep — Data Link

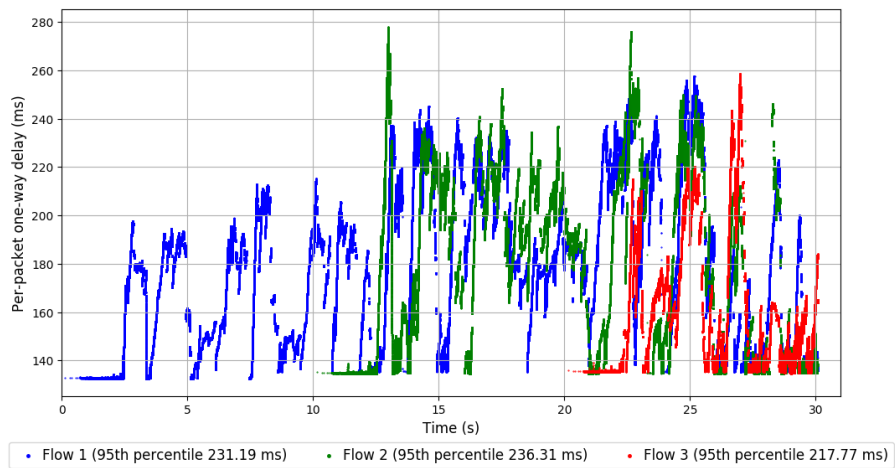
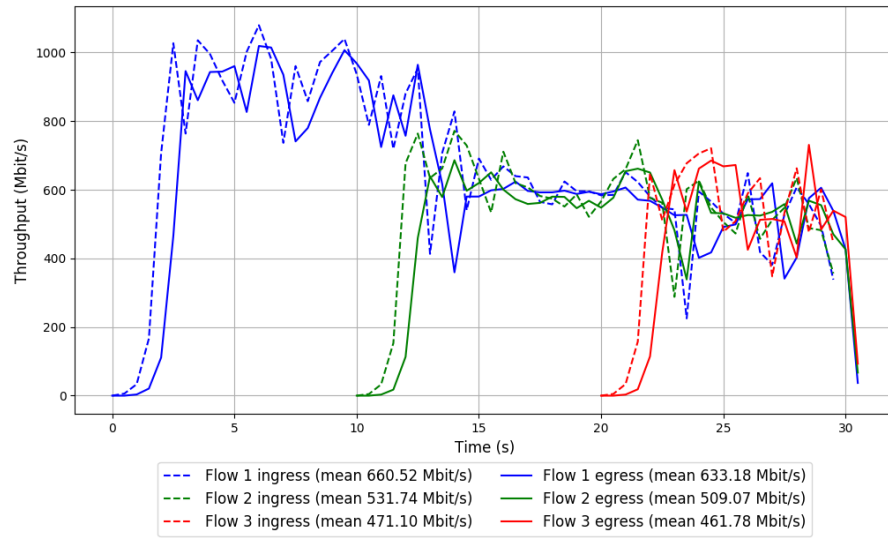


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-02 10:09:15
End at: 2018-08-02 10:09:45
Local clock offset: -6.896 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-08-02 13:01:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 1125.07 Mbit/s
95th percentile per-packet one-way delay: 231.706 ms
Loss rate: 3.87%
-- Flow 1:
Average throughput: 633.18 Mbit/s
95th percentile per-packet one-way delay: 231.193 ms
Loss rate: 4.12%
-- Flow 2:
Average throughput: 509.07 Mbit/s
95th percentile per-packet one-way delay: 236.315 ms
Loss rate: 4.25%
-- Flow 3:
Average throughput: 461.78 Mbit/s
95th percentile per-packet one-way delay: 217.772 ms
Loss rate: 1.98%

Run 8: Report of FillP-Sheep — Data Link

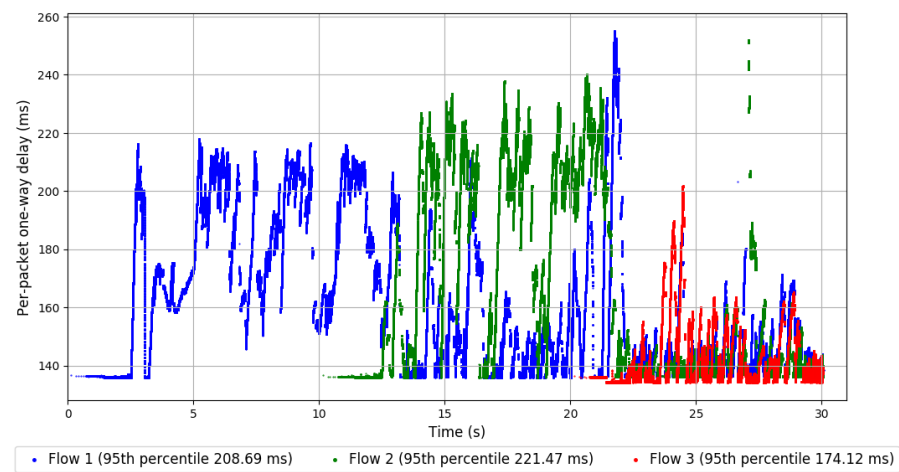
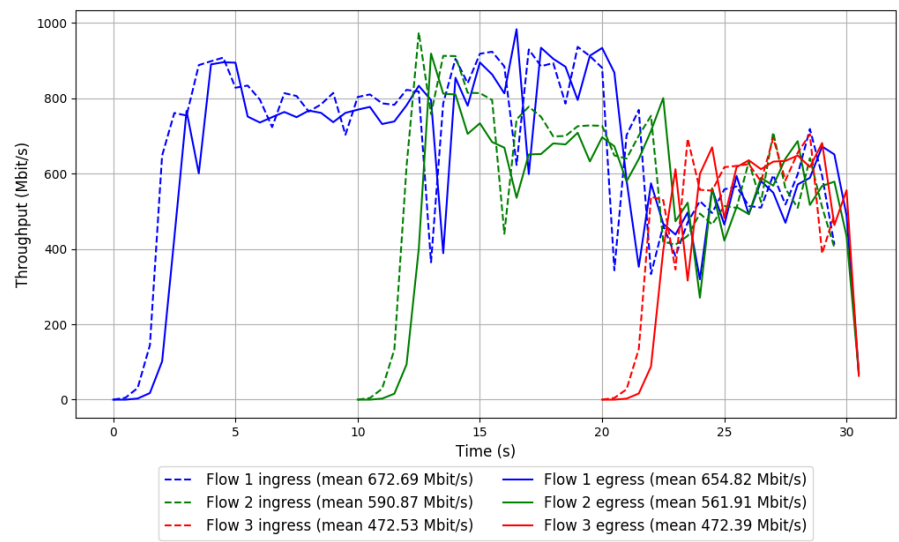


Run 9: Statistics of FillP-Sheep

Start at: 2018-08-02 10:35:42
End at: 2018-08-02 10:36:12
Local clock offset: -7.469 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-08-02 13:03:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 1184.91 Mbit/s
95th percentile per-packet one-way delay: 213.257 ms
Loss rate: 3.04%
-- Flow 1:
Average throughput: 654.82 Mbit/s
95th percentile per-packet one-way delay: 208.690 ms
Loss rate: 2.66%
-- Flow 2:
Average throughput: 561.91 Mbit/s
95th percentile per-packet one-way delay: 221.466 ms
Loss rate: 4.89%
-- Flow 3:
Average throughput: 472.39 Mbit/s
95th percentile per-packet one-way delay: 174.124 ms
Loss rate: 0.00%

Run 9: Report of FillP-Sheep — Data Link

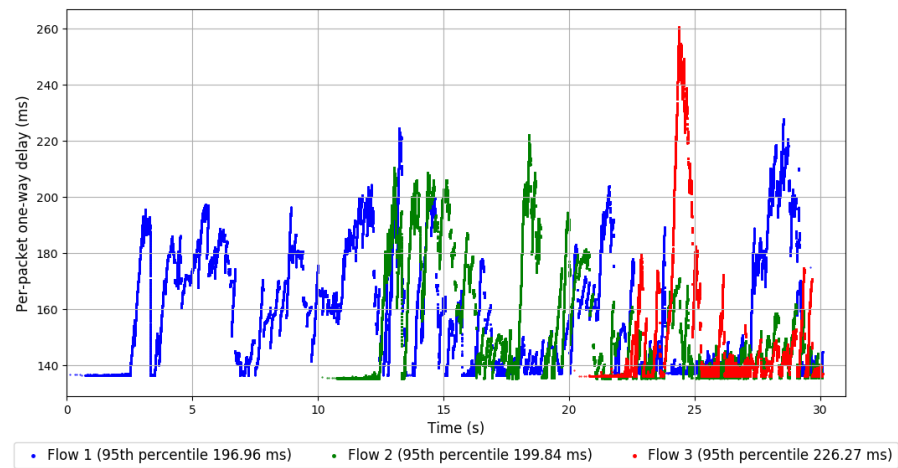
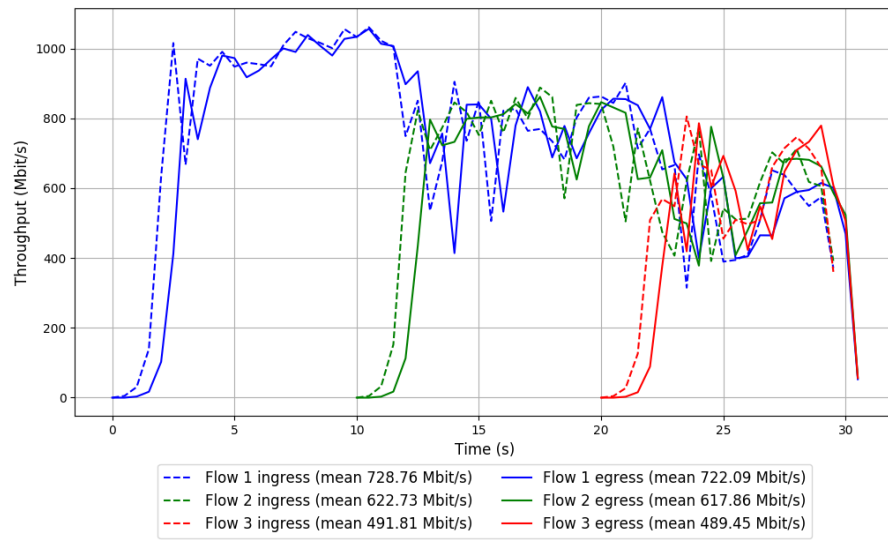


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-02 11:03:15
End at: 2018-08-02 11:03:45
Local clock offset: -3.816 ms
Remote clock offset: -1.442 ms

Below is generated by plot.py at 2018-08-02 13:07:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 1295.06 Mbit/s
95th percentile per-packet one-way delay: 199.049 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 722.09 Mbit/s
95th percentile per-packet one-way delay: 196.961 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 617.86 Mbit/s
95th percentile per-packet one-way delay: 199.844 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 489.45 Mbit/s
95th percentile per-packet one-way delay: 226.266 ms
Loss rate: 0.50%

Run 10: Report of FillP-Sheep — Data Link

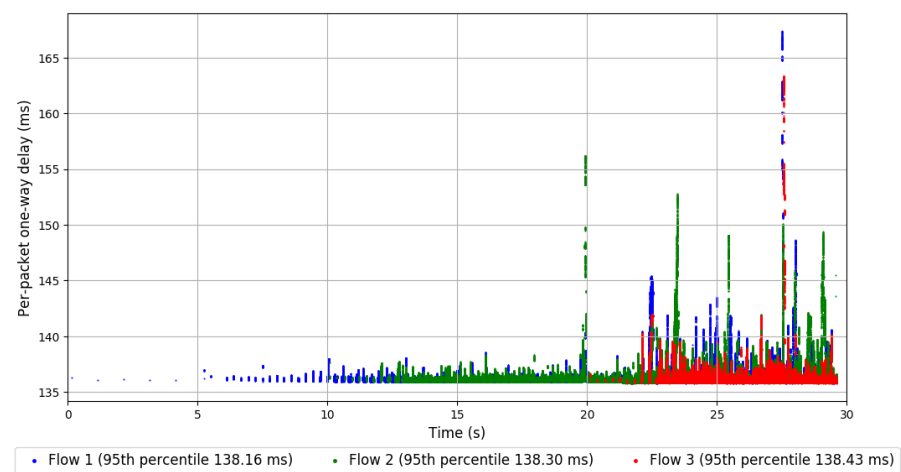
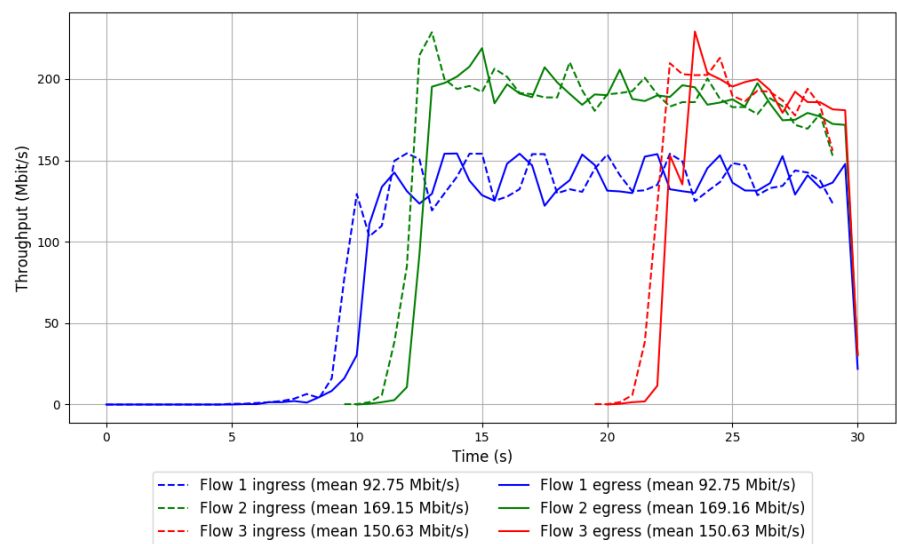


Run 1: Statistics of Indigo

Start at: 2018-08-02 07:07:32
End at: 2018-08-02 07:08:02
Local clock offset: -0.036 ms
Remote clock offset: -0.379 ms

Below is generated by plot.py at 2018-08-02 13:07:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 253.27 Mbit/s
95th percentile per-packet one-way delay: 138.270 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.75 Mbit/s
95th percentile per-packet one-way delay: 138.156 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 169.16 Mbit/s
95th percentile per-packet one-way delay: 138.302 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 150.63 Mbit/s
95th percentile per-packet one-way delay: 138.433 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

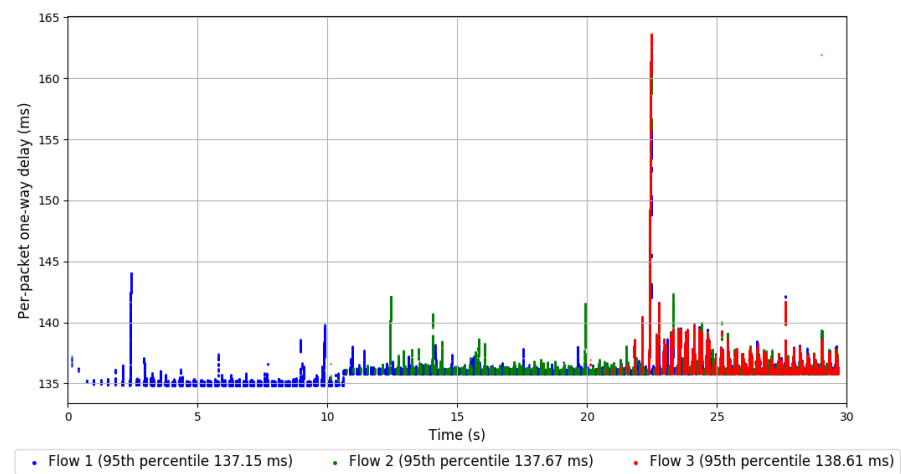
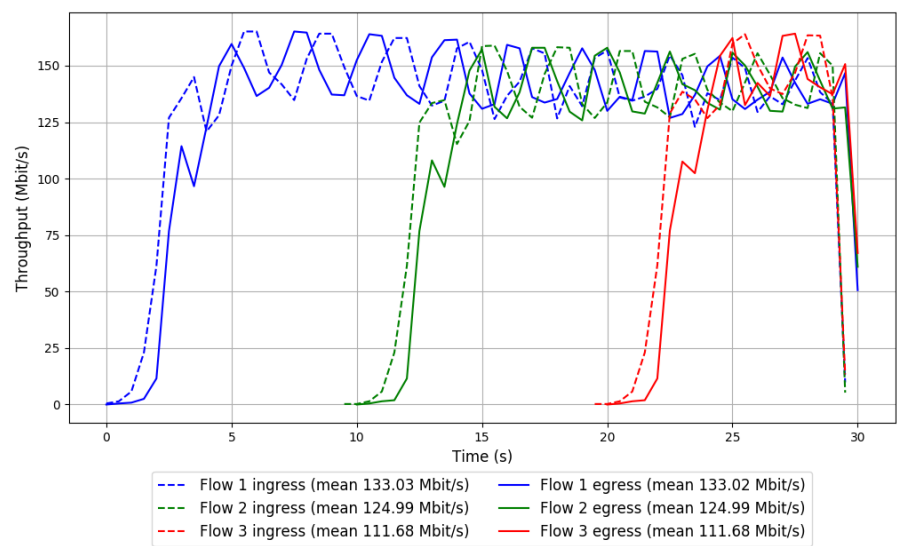


Run 2: Statistics of Indigo

Start at: 2018-08-02 07:34:53
End at: 2018-08-02 07:35:23
Local clock offset: -0.003 ms
Remote clock offset: -0.374 ms

Below is generated by plot.py at 2018-08-02 13:07:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 251.66 Mbit/s
95th percentile per-packet one-way delay: 137.680 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 133.02 Mbit/s
95th percentile per-packet one-way delay: 137.154 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 124.99 Mbit/s
95th percentile per-packet one-way delay: 137.670 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 111.68 Mbit/s
95th percentile per-packet one-way delay: 138.608 ms
Loss rate: 0.02%

Run 2: Report of Indigo — Data Link

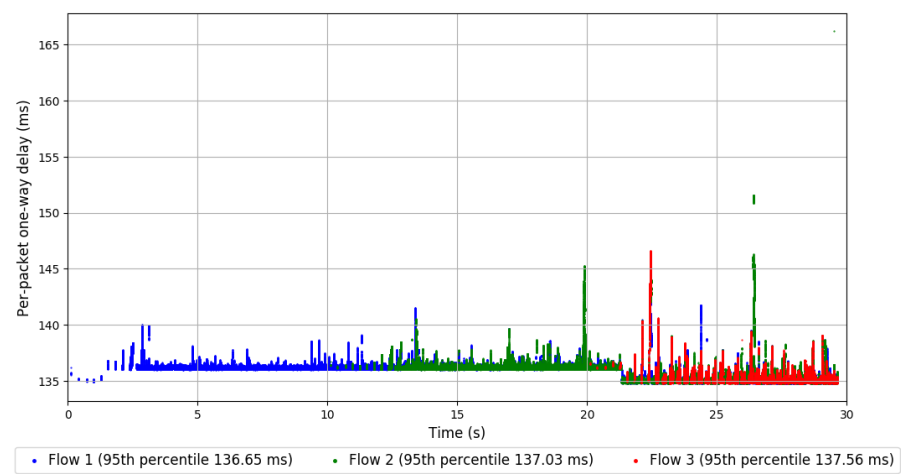
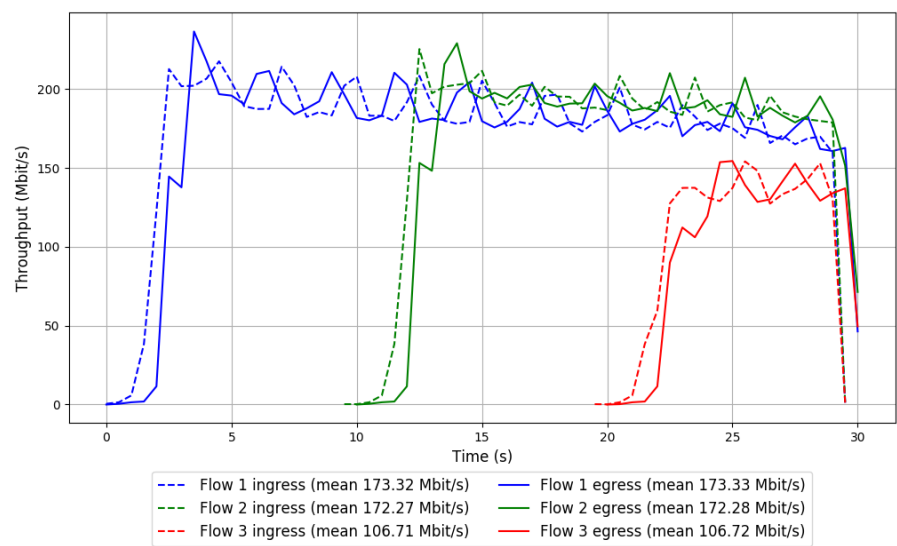


Run 3: Statistics of Indigo

Start at: 2018-08-02 08:02:02
End at: 2018-08-02 08:02:32
Local clock offset: -0.025 ms
Remote clock offset: -0.446 ms

Below is generated by plot.py at 2018-08-02 13:07:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 321.78 Mbit/s
95th percentile per-packet one-way delay: 136.830 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 173.33 Mbit/s
95th percentile per-packet one-way delay: 136.647 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 172.28 Mbit/s
95th percentile per-packet one-way delay: 137.031 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 106.72 Mbit/s
95th percentile per-packet one-way delay: 137.563 ms
Loss rate: 0.01%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-08-02 08:29:16

End at: 2018-08-02 08:29:46

Local clock offset: 0.263 ms

Remote clock offset: 0.339 ms

Below is generated by plot.py at 2018-08-02 13:07:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 331.78 Mbit/s

95th percentile per-packet one-way delay: 137.919 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 168.64 Mbit/s

95th percentile per-packet one-way delay: 137.433 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 171.94 Mbit/s

95th percentile per-packet one-way delay: 137.997 ms

Loss rate: 0.00%

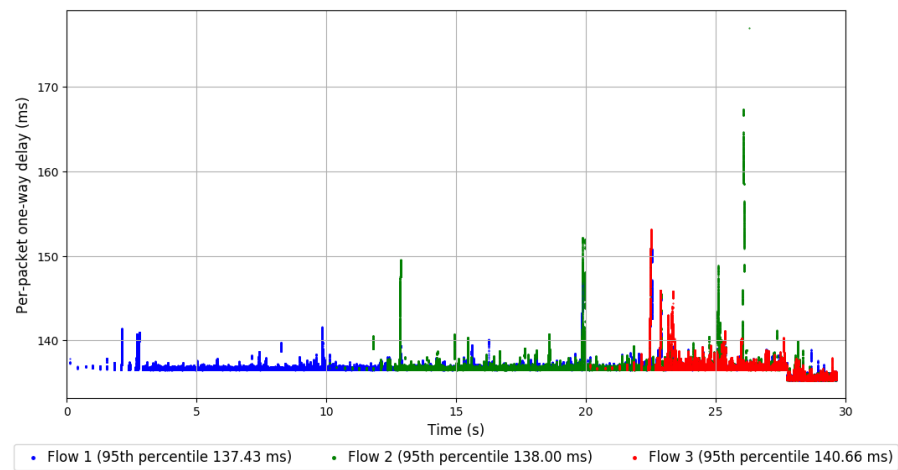
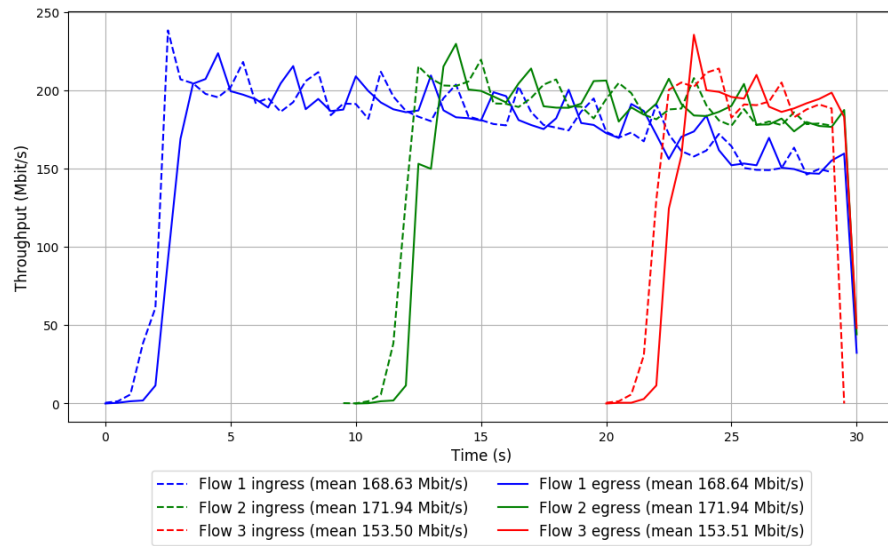
-- Flow 3:

Average throughput: 153.51 Mbit/s

95th percentile per-packet one-way delay: 140.660 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

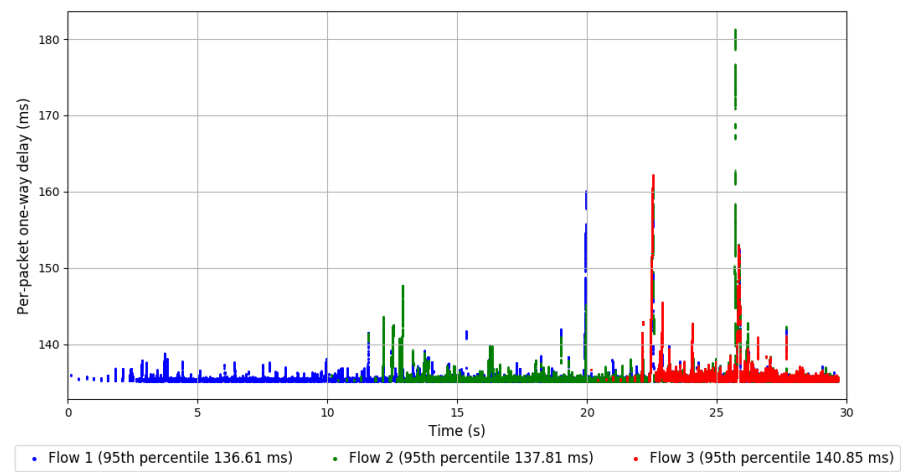
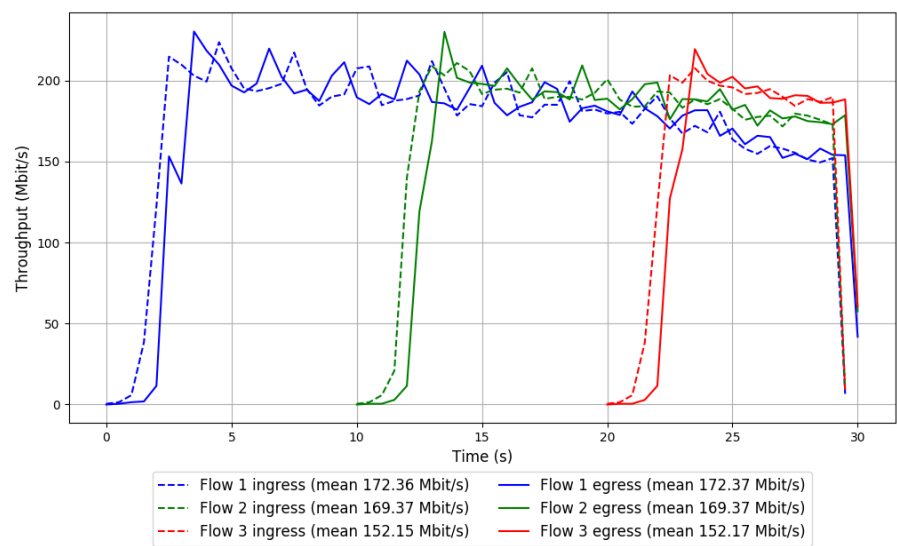


Run 5: Statistics of Indigo

Start at: 2018-08-02 08:56:22
End at: 2018-08-02 08:56:52
Local clock offset: 0.028 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-08-02 13:07:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 333.31 Mbit/s
95th percentile per-packet one-way delay: 137.293 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 172.37 Mbit/s
95th percentile per-packet one-way delay: 136.608 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 169.37 Mbit/s
95th percentile per-packet one-way delay: 137.812 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 152.17 Mbit/s
95th percentile per-packet one-way delay: 140.855 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

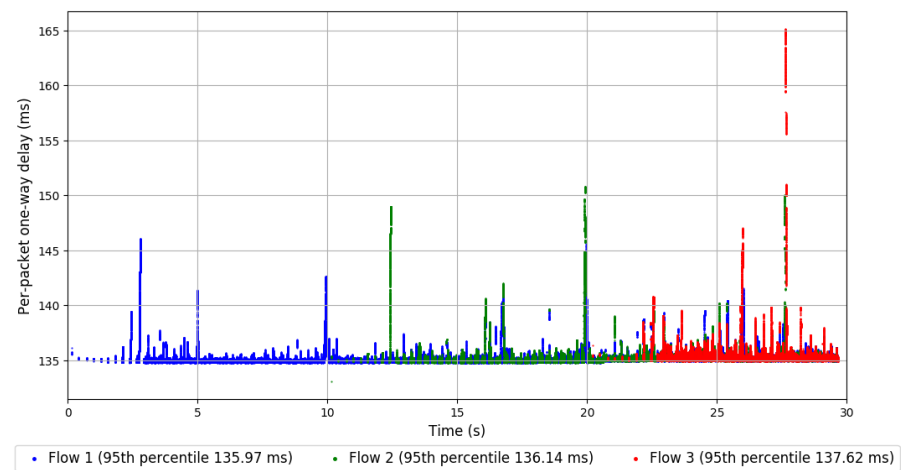
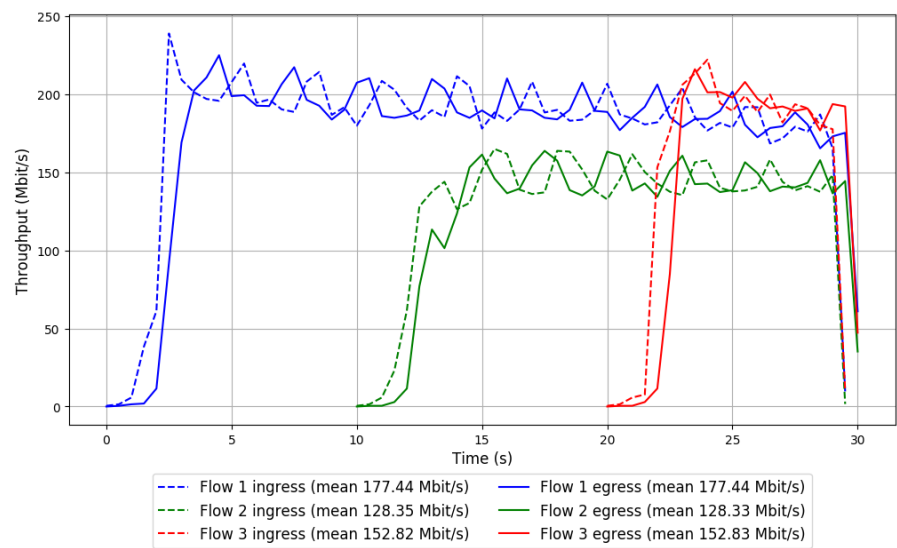


Run 6: Statistics of Indigo

Start at: 2018-08-02 09:23:03
End at: 2018-08-02 09:23:33
Local clock offset: 0.008 ms
Remote clock offset: -0.319 ms

Below is generated by plot.py at 2018-08-02 13:07:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 311.24 Mbit/s
95th percentile per-packet one-way delay: 136.271 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 177.44 Mbit/s
95th percentile per-packet one-way delay: 135.972 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 128.33 Mbit/s
95th percentile per-packet one-way delay: 136.139 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 152.83 Mbit/s
95th percentile per-packet one-way delay: 137.618 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-08-02 09:49:27

End at: 2018-08-02 09:49:57

Local clock offset: -0.049 ms

Remote clock offset: 0.308 ms

Below is generated by plot.py at 2018-08-02 13:07:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 293.56 Mbit/s

95th percentile per-packet one-way delay: 136.817 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 131.99 Mbit/s

95th percentile per-packet one-way delay: 136.486 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 170.62 Mbit/s

95th percentile per-packet one-way delay: 136.772 ms

Loss rate: 0.00%

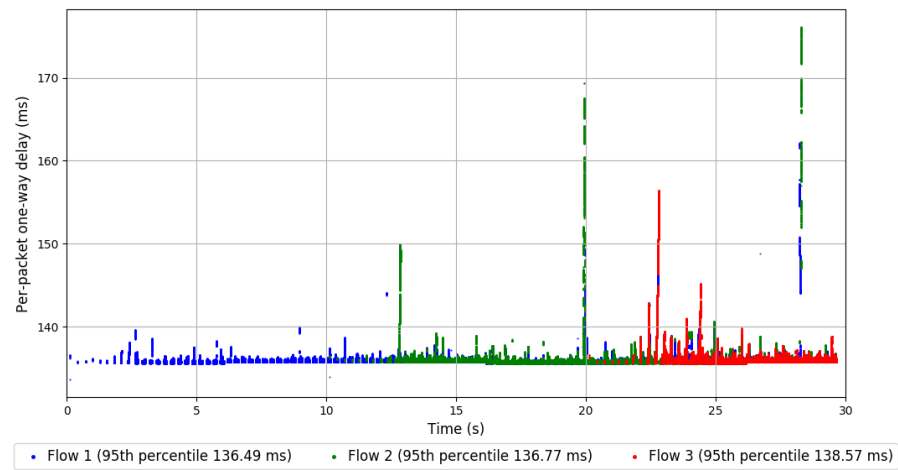
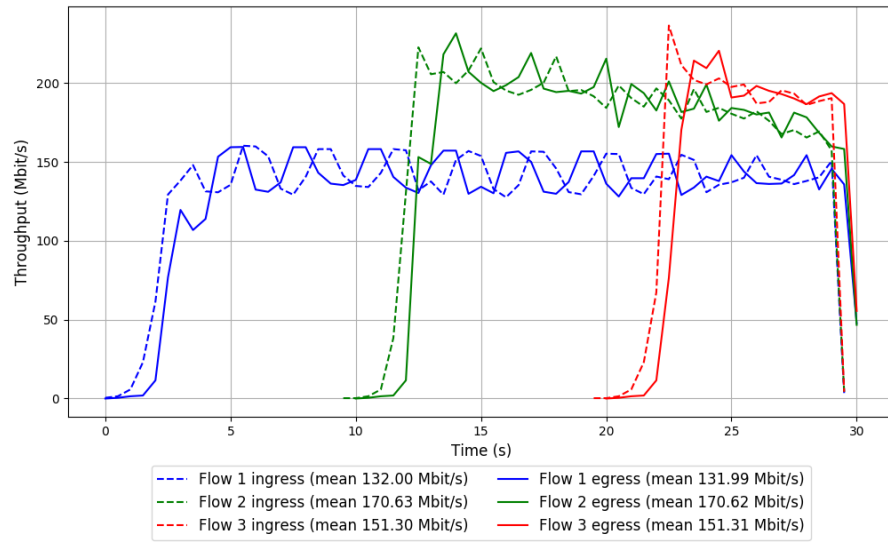
-- Flow 3:

Average throughput: 151.31 Mbit/s

95th percentile per-packet one-way delay: 138.566 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

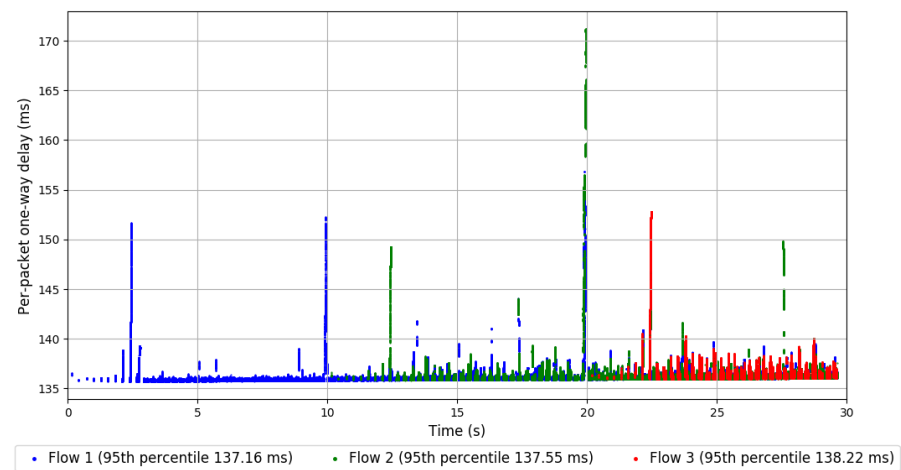
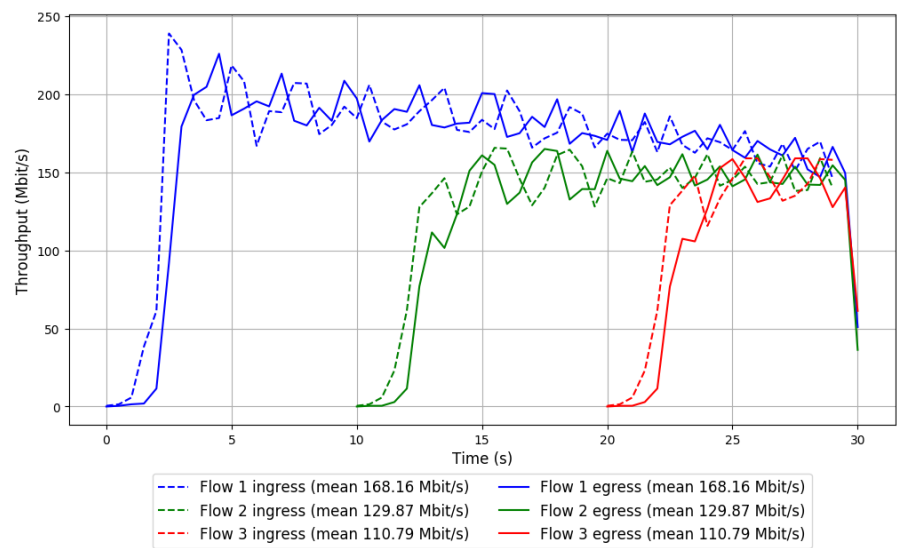


Run 8: Statistics of Indigo

Start at: 2018-08-02 10:15:45
End at: 2018-08-02 10:16:15
Local clock offset: -10.406 ms
Remote clock offset: -0.176 ms

Below is generated by plot.py at 2018-08-02 13:07:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 289.42 Mbit/s
95th percentile per-packet one-way delay: 137.502 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 168.16 Mbit/s
95th percentile per-packet one-way delay: 137.162 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 129.87 Mbit/s
95th percentile per-packet one-way delay: 137.547 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 110.79 Mbit/s
95th percentile per-packet one-way delay: 138.215 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

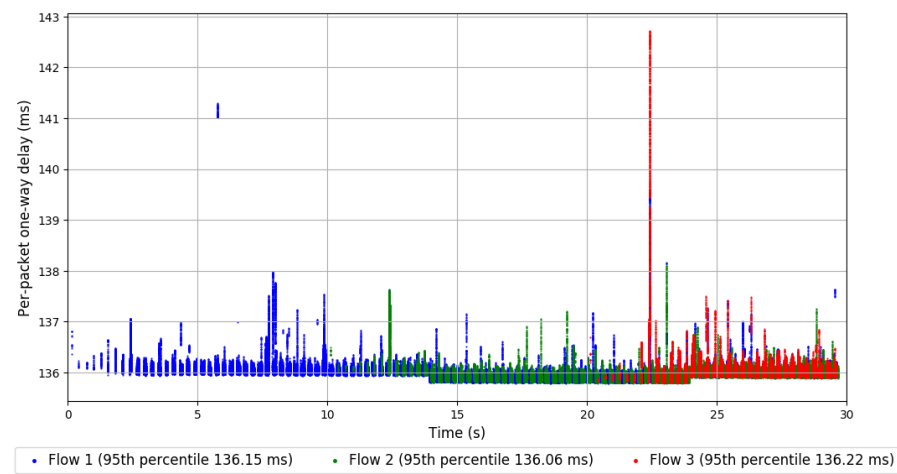
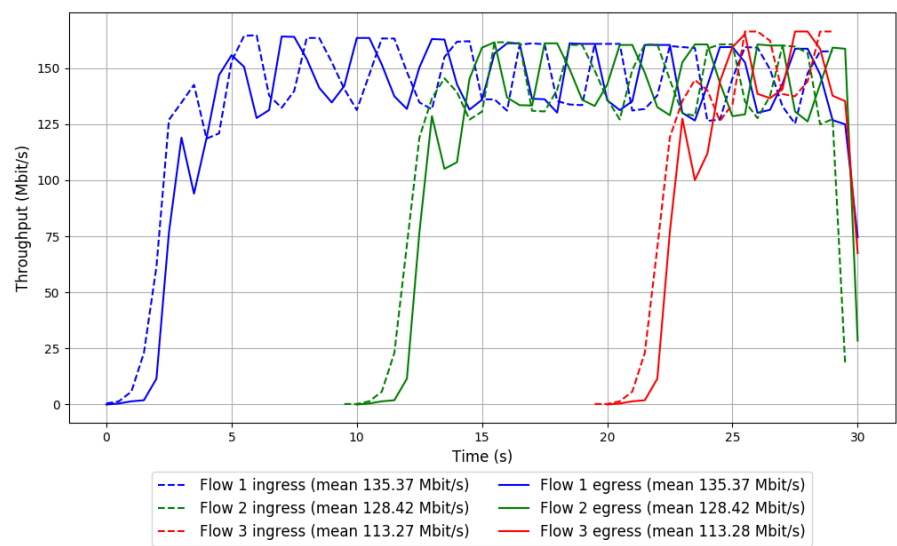


Run 9: Statistics of Indigo

Start at: 2018-08-02 10:42:20
End at: 2018-08-02 10:42:50
Local clock offset: -8.834 ms
Remote clock offset: -1.063 ms

Below is generated by plot.py at 2018-08-02 13:07:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 256.53 Mbit/s
95th percentile per-packet one-way delay: 136.135 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 135.37 Mbit/s
95th percentile per-packet one-way delay: 136.154 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 128.42 Mbit/s
95th percentile per-packet one-way delay: 136.065 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 113.28 Mbit/s
95th percentile per-packet one-way delay: 136.225 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link

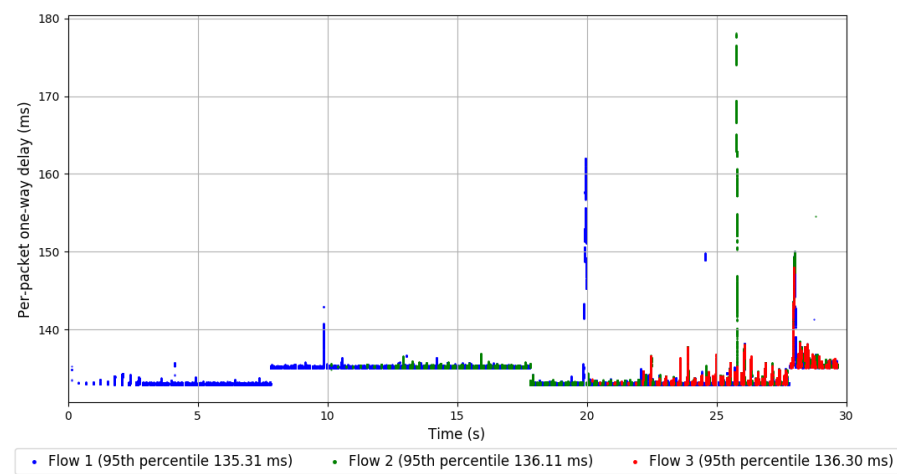
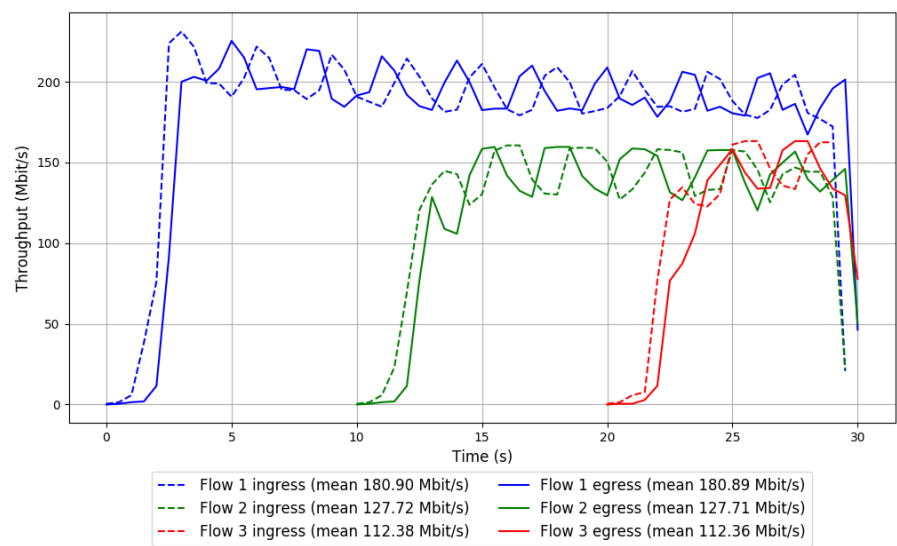


Run 10: Statistics of Indigo

Start at: 2018-08-02 11:09:56
End at: 2018-08-02 11:10:26
Local clock offset: -3.379 ms
Remote clock offset: -2.326 ms

Below is generated by plot.py at 2018-08-02 13:07:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 301.14 Mbit/s
95th percentile per-packet one-way delay: 135.602 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 180.89 Mbit/s
95th percentile per-packet one-way delay: 135.308 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 127.71 Mbit/s
95th percentile per-packet one-way delay: 136.109 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 112.36 Mbit/s
95th percentile per-packet one-way delay: 136.296 ms
Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

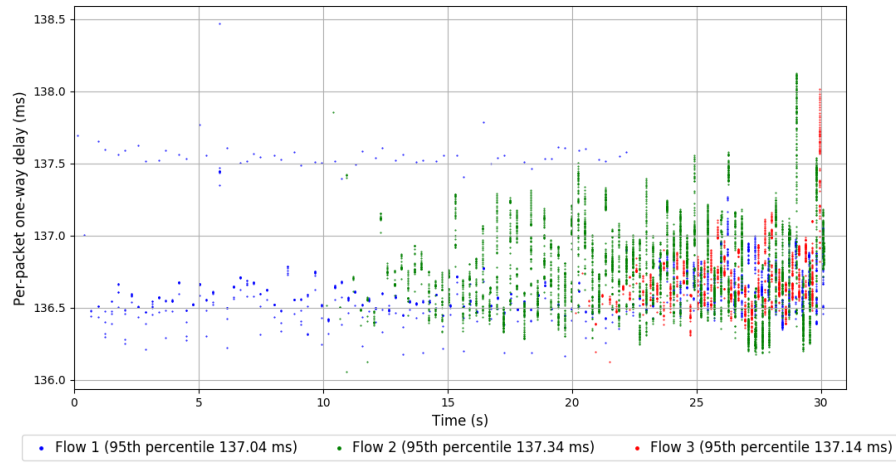
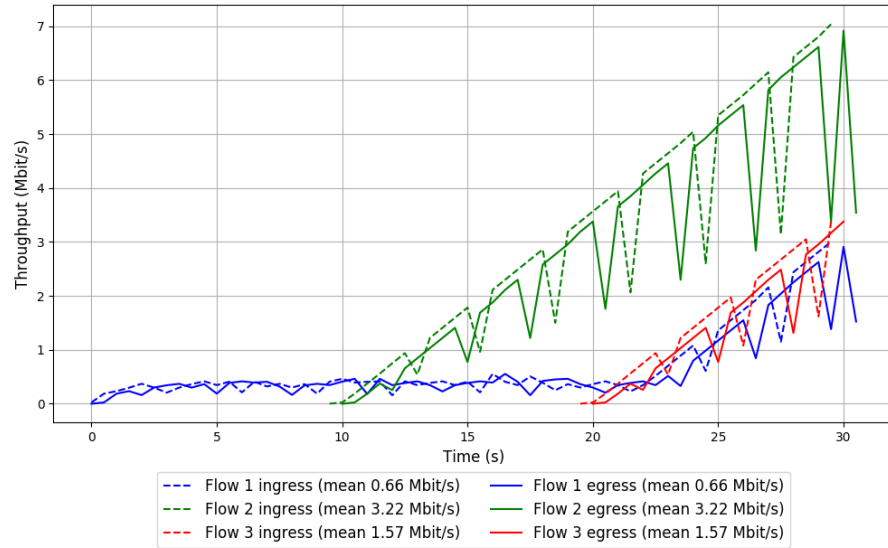


```
Run 1: Statistics of LEDBAT

Start at: 2018-08-02 07:22:14
End at: 2018-08-02 07:22:44
Local clock offset: 0.304 ms
Remote clock offset: 0.33 ms

# Below is generated by plot.py at 2018-08-02 13:07:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.33 Mbit/s
95th percentile per-packet one-way delay: 137.292 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 137.041 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.22 Mbit/s
95th percentile per-packet one-way delay: 137.345 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.57 Mbit/s
95th percentile per-packet one-way delay: 137.138 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link

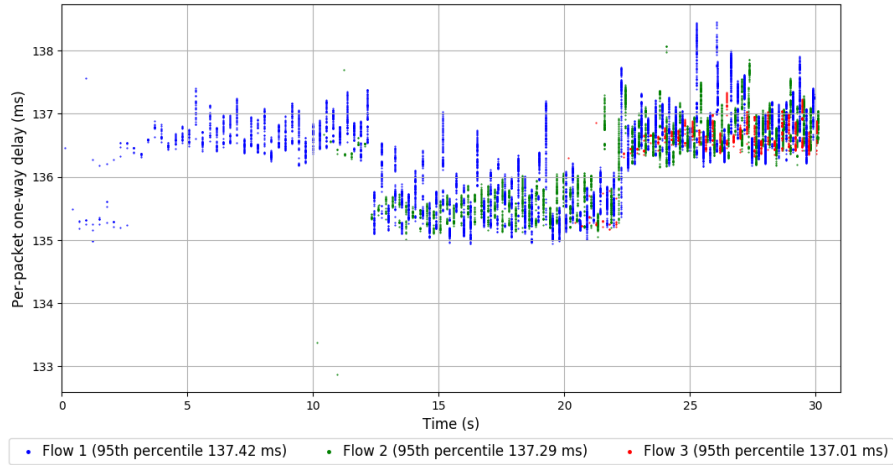
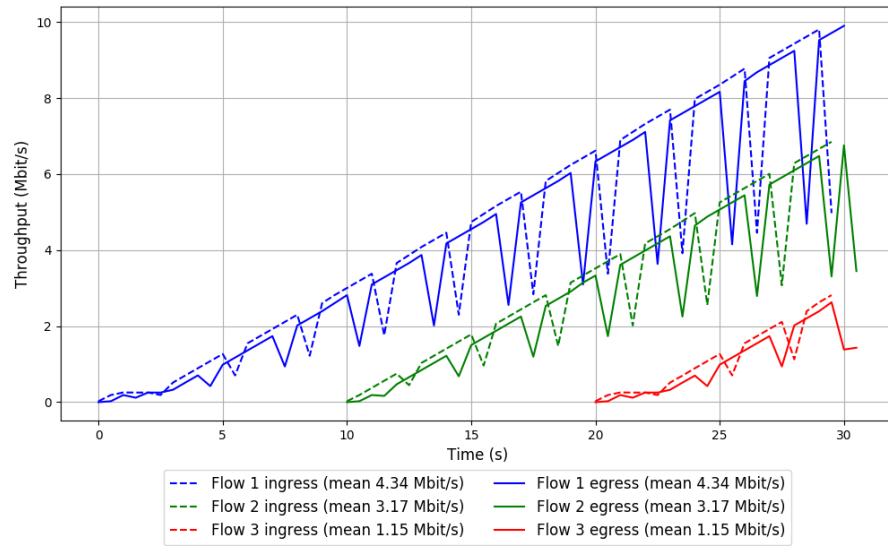


Run 2: Statistics of LEDBAT

Start at: 2018-08-02 07:49:22
End at: 2018-08-02 07:49:52
Local clock offset: -0.126 ms
Remote clock offset: -0.443 ms

Below is generated by plot.py at 2018-08-02 13:07:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.81 Mbit/s
95th percentile per-packet one-way delay: 137.353 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: 137.423 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.17 Mbit/s
95th percentile per-packet one-way delay: 137.287 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.15 Mbit/s
95th percentile per-packet one-way delay: 137.013 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-08-02 08:16:22

End at: 2018-08-02 08:16:52

Local clock offset: -0.058 ms

Remote clock offset: 0.283 ms

Below is generated by plot.py at 2018-08-02 13:07:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.65 Mbit/s

95th percentile per-packet one-way delay: 136.499 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 136.677 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.70 Mbit/s

95th percentile per-packet one-way delay: 136.361 ms

Loss rate: 0.00%

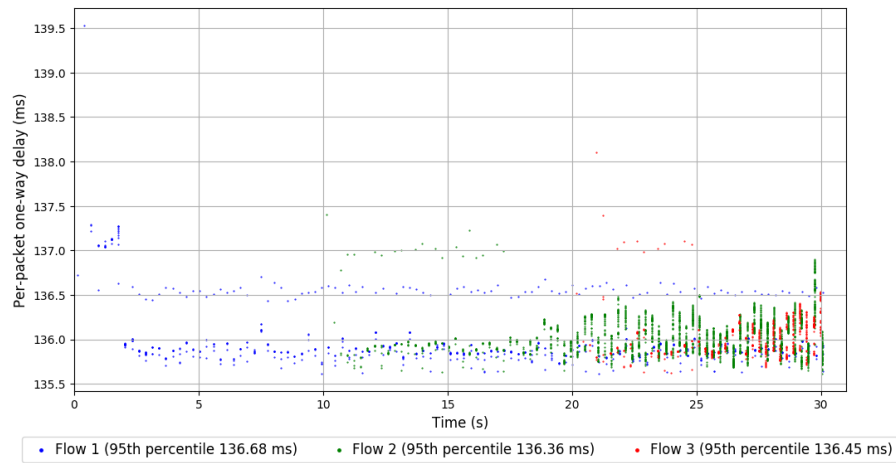
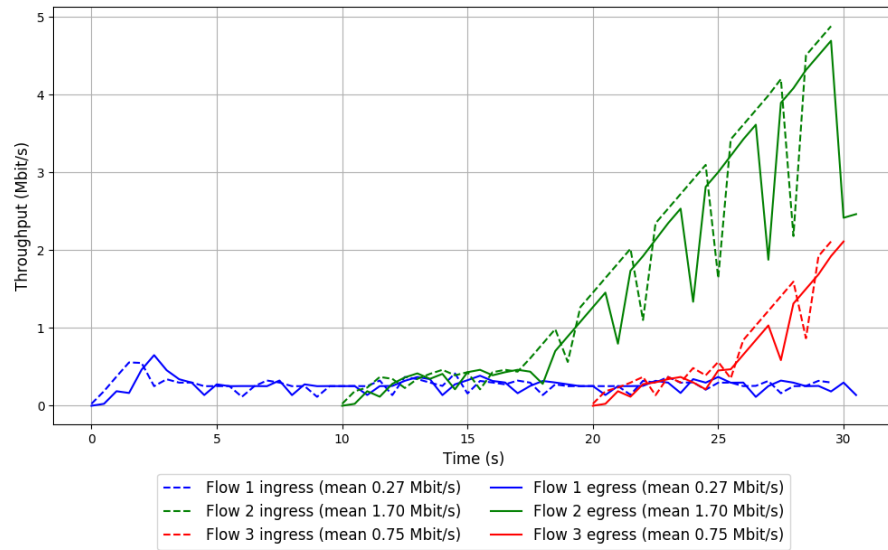
-- Flow 3:

Average throughput: 0.75 Mbit/s

95th percentile per-packet one-way delay: 136.454 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

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

End at: 2018-08-02 08:44:32

Local clock offset: 0.27 ms

Remote clock offset: 0.277 ms

Below is generated by plot.py at 2018-08-02 13:07:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 5.92 Mbit/s

95th percentile per-packet one-way delay: 137.495 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 3.51 Mbit/s

95th percentile per-packet one-way delay: 137.514 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 2.87 Mbit/s

95th percentile per-packet one-way delay: 137.514 ms

Loss rate: 0.00%

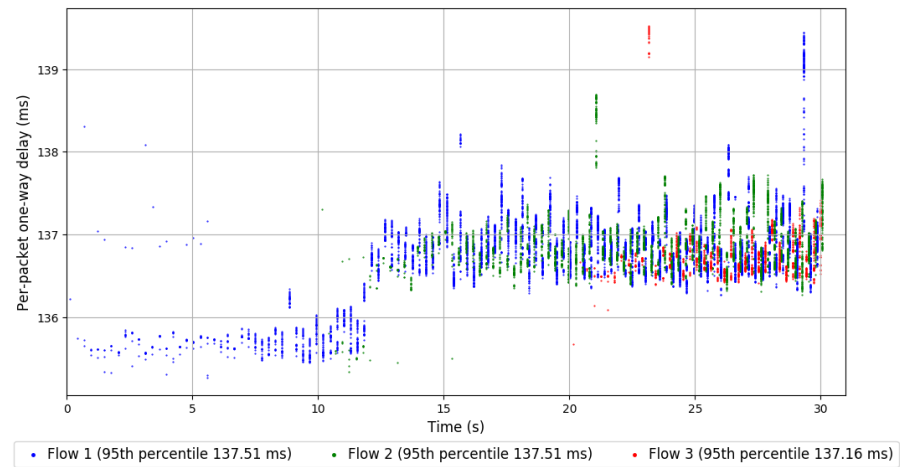
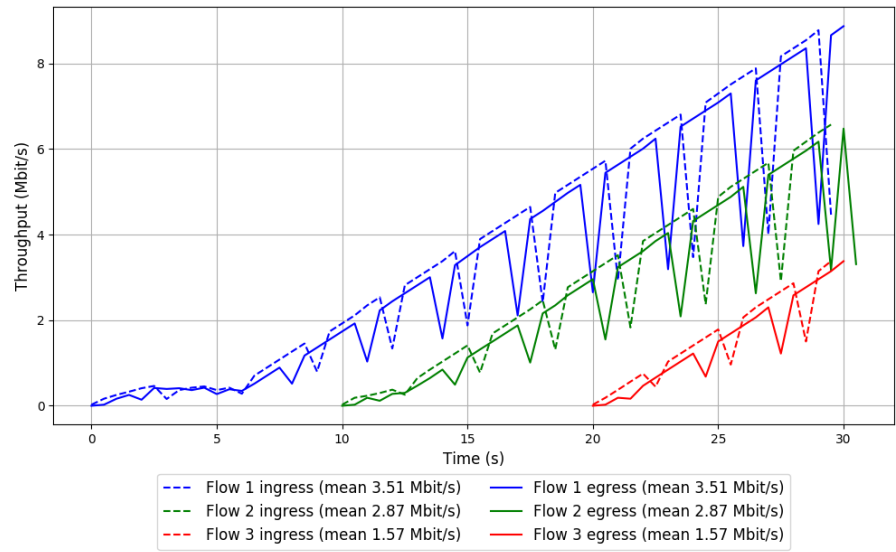
-- Flow 3:

Average throughput: 1.57 Mbit/s

95th percentile per-packet one-way delay: 137.164 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-08-02 09:10:40

End at: 2018-08-02 09:11:10

Local clock offset: -0.02 ms

Remote clock offset: 0.299 ms

Below is generated by plot.py at 2018-08-02 13:07:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 6.32 Mbit/s

95th percentile per-packet one-way delay: 137.095 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 3.99 Mbit/s

95th percentile per-packet one-way delay: 137.145 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 2.83 Mbit/s

95th percentile per-packet one-way delay: 137.086 ms

Loss rate: 0.00%

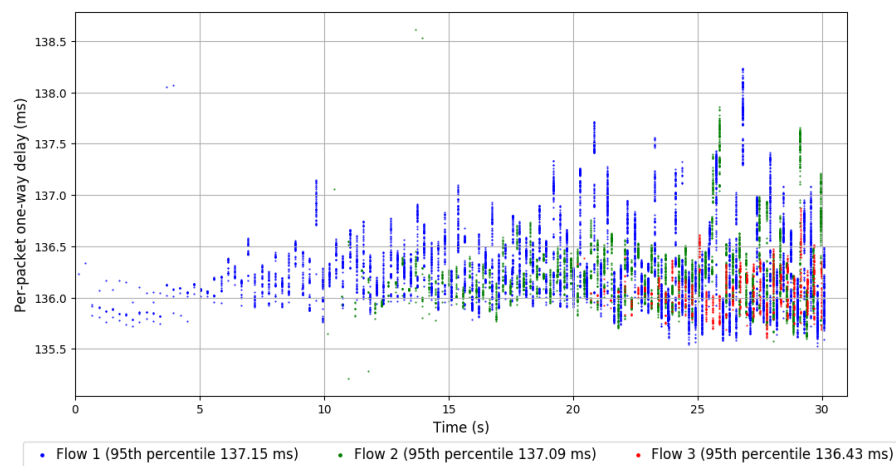
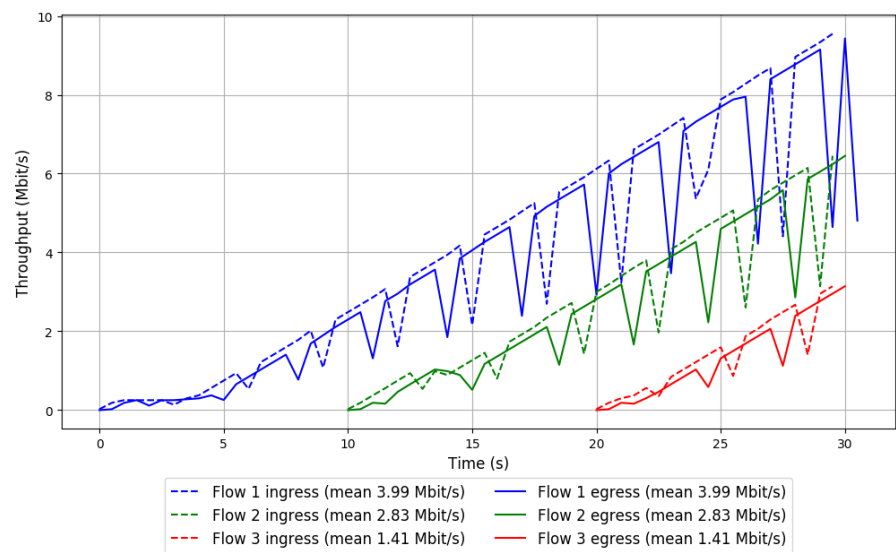
-- Flow 3:

Average throughput: 1.41 Mbit/s

95th percentile per-packet one-way delay: 136.425 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

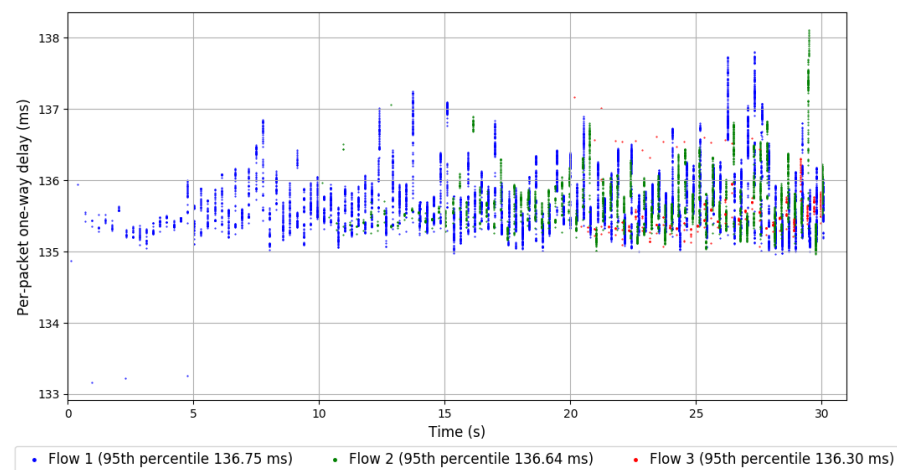
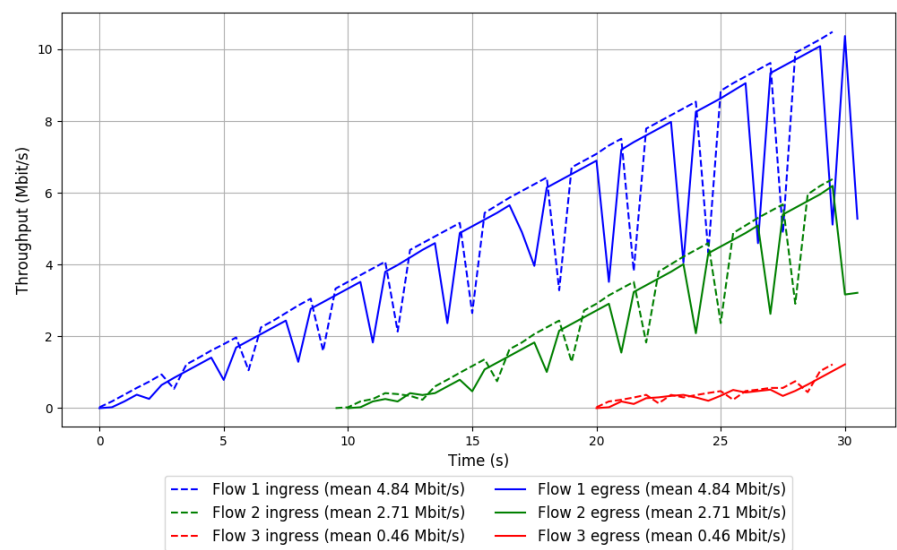


Run 6: Statistics of LEDBAT

Start at: 2018-08-02 09:37:12
End at: 2018-08-02 09:37:42
Local clock offset: 0.142 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-08-02 13:07:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.79 Mbit/s
95th percentile per-packet one-way delay: 136.708 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 136.746 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.71 Mbit/s
95th percentile per-packet one-way delay: 136.644 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 136.299 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

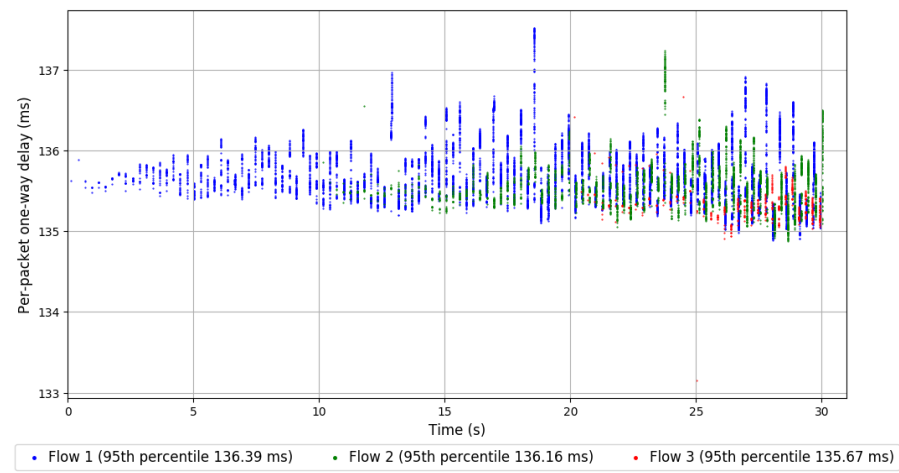
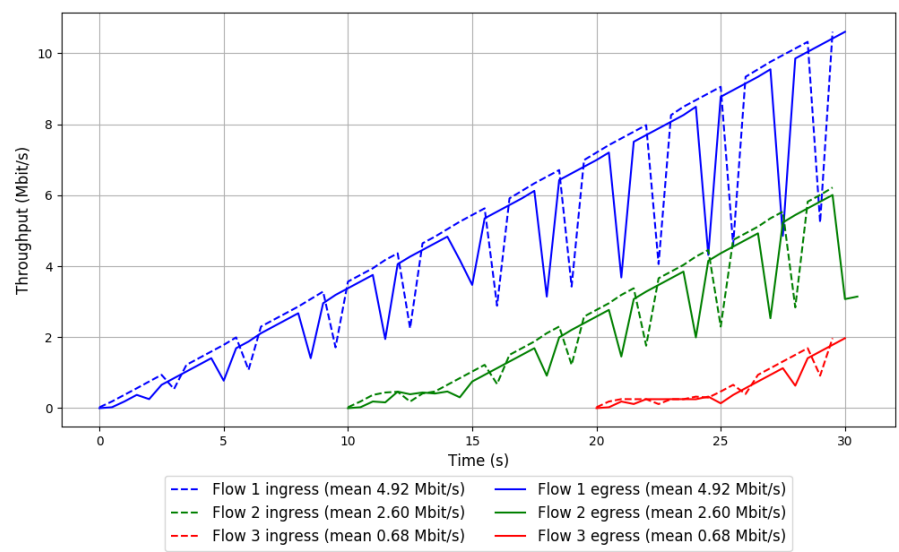


Run 7: Statistics of LEDBAT

Start at: 2018-08-02 10:03:38
End at: 2018-08-02 10:04:08
Local clock offset: -3.826 ms
Remote clock offset: 0.252 ms

Below is generated by plot.py at 2018-08-02 13:07:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.86 Mbit/s
95th percentile per-packet one-way delay: 136.353 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.92 Mbit/s
95th percentile per-packet one-way delay: 136.392 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.60 Mbit/s
95th percentile per-packet one-way delay: 136.158 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 135.670 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-08-02 10:29:44

End at: 2018-08-02 10:30:14

Local clock offset: -6.508 ms

Remote clock offset: 0.19 ms

Below is generated by plot.py at 2018-08-02 13:07:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 5.58 Mbit/s

95th percentile per-packet one-way delay: 137.187 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 4.91 Mbit/s

95th percentile per-packet one-way delay: 137.200 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 136.278 ms

Loss rate: 0.00%

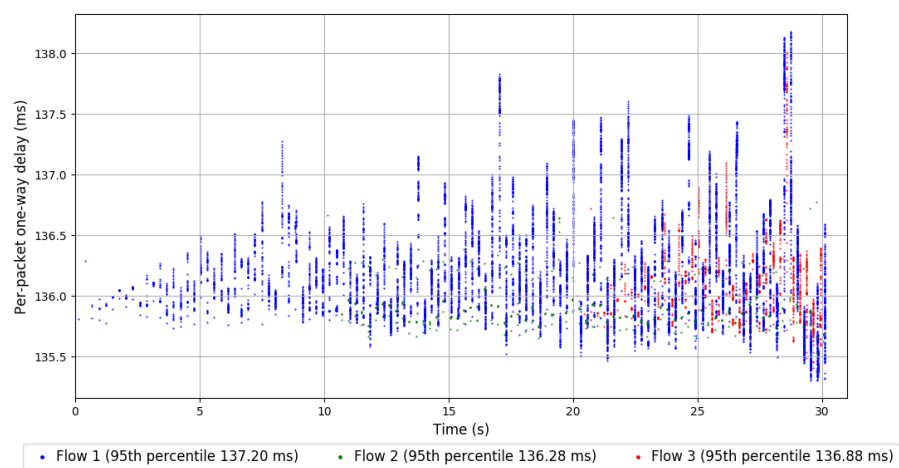
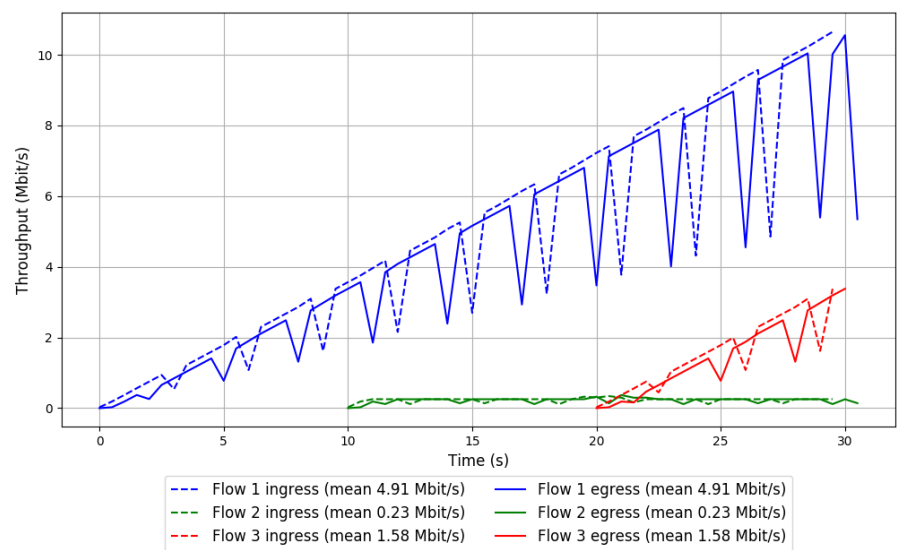
-- Flow 3:

Average throughput: 1.58 Mbit/s

95th percentile per-packet one-way delay: 136.877 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

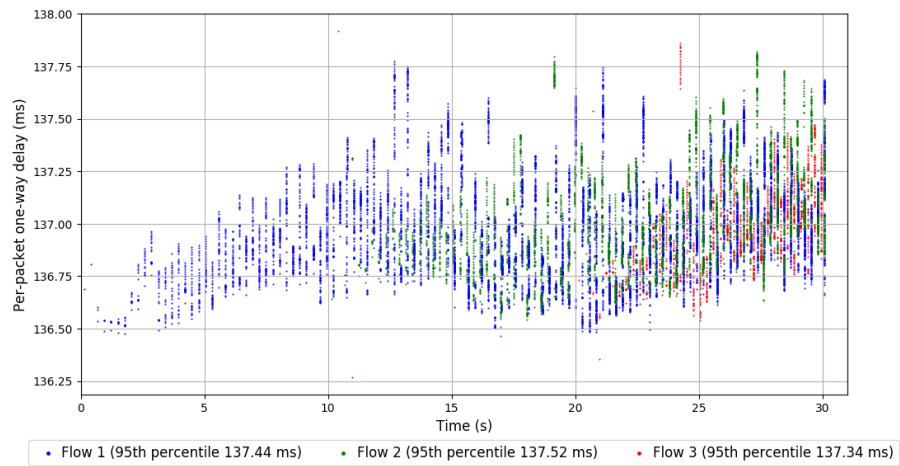
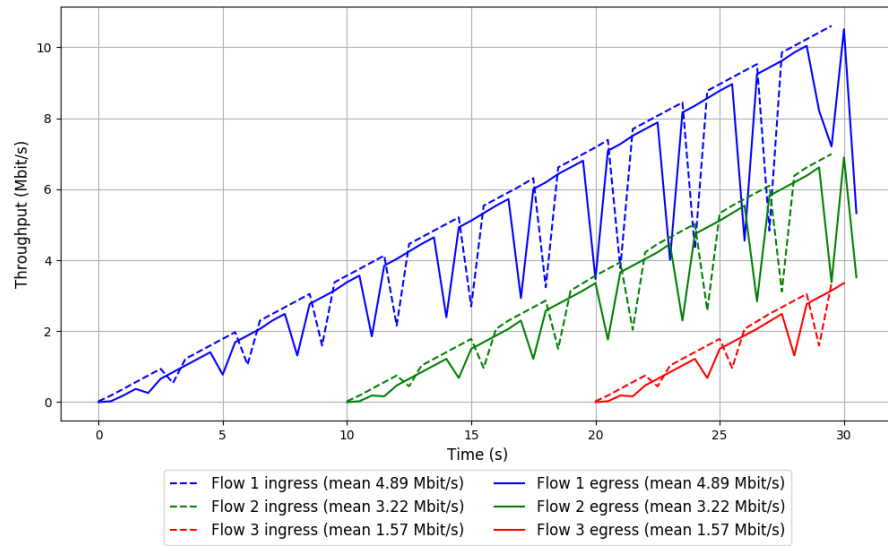


Run 9: Statistics of LEDBAT

Start at: 2018-08-02 10:57:08
End at: 2018-08-02 10:57:38
Local clock offset: -5.5 ms
Remote clock offset: -1.622 ms

Below is generated by plot.py at 2018-08-02 13:07:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.55 Mbit/s
95th percentile per-packet one-way delay: 137.467 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.89 Mbit/s
95th percentile per-packet one-way delay: 137.444 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.22 Mbit/s
95th percentile per-packet one-way delay: 137.521 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.57 Mbit/s
95th percentile per-packet one-way delay: 137.342 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

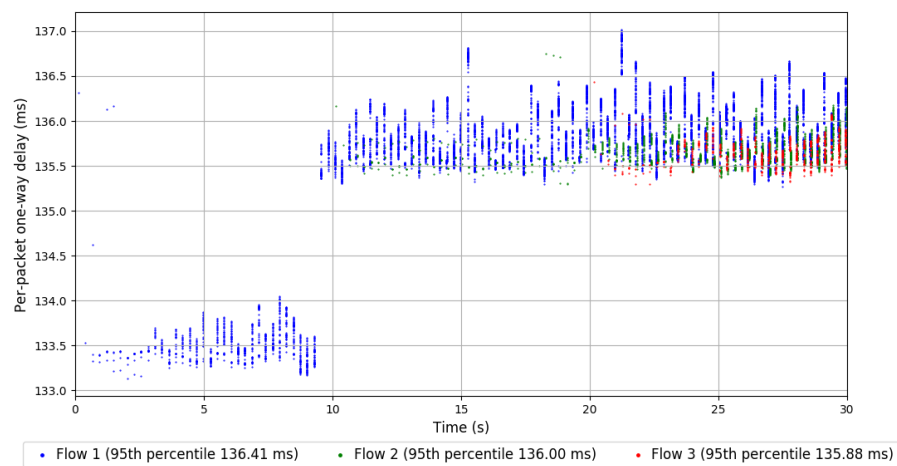
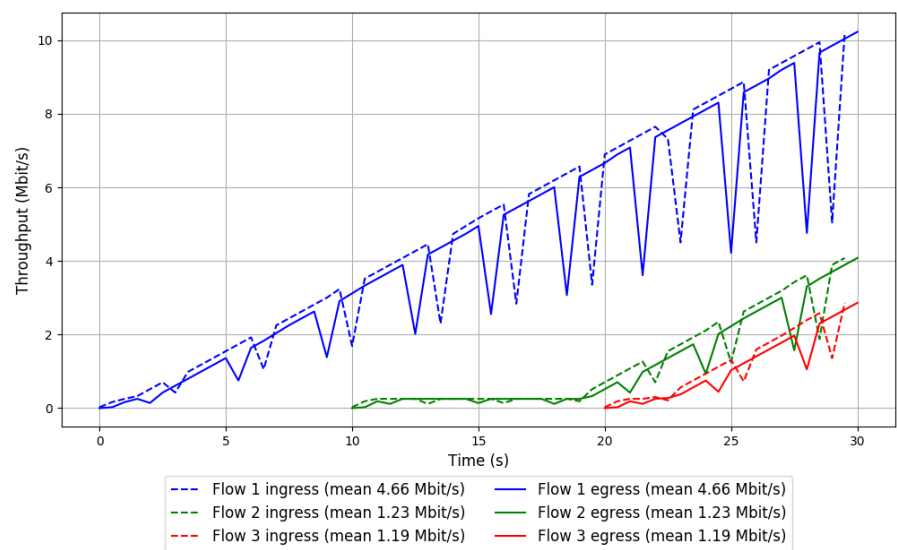


Run 10: Statistics of LEDBAT

Start at: 2018-08-02 11:24:24
End at: 2018-08-02 11:24:55
Local clock offset: -4.207 ms
Remote clock offset: -3.536 ms

Below is generated by plot.py at 2018-08-02 13:07:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.86 Mbit/s
95th percentile per-packet one-way delay: 136.372 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.66 Mbit/s
95th percentile per-packet one-way delay: 136.412 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 136.002 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 135.879 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

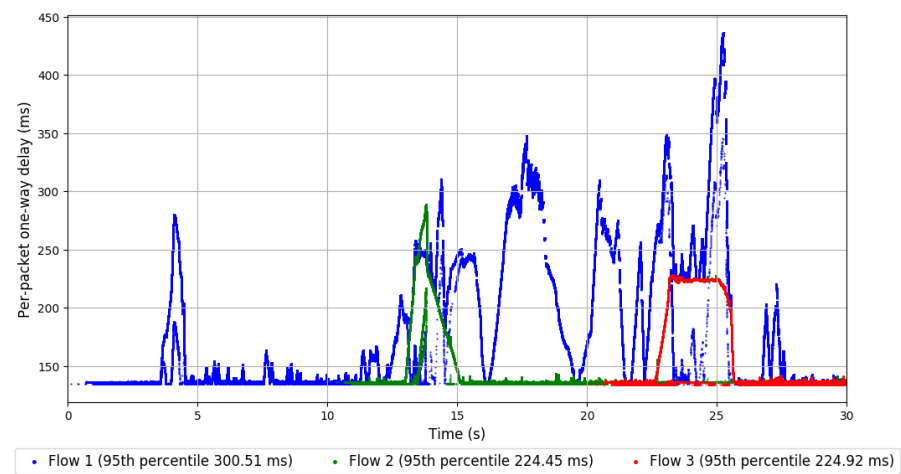
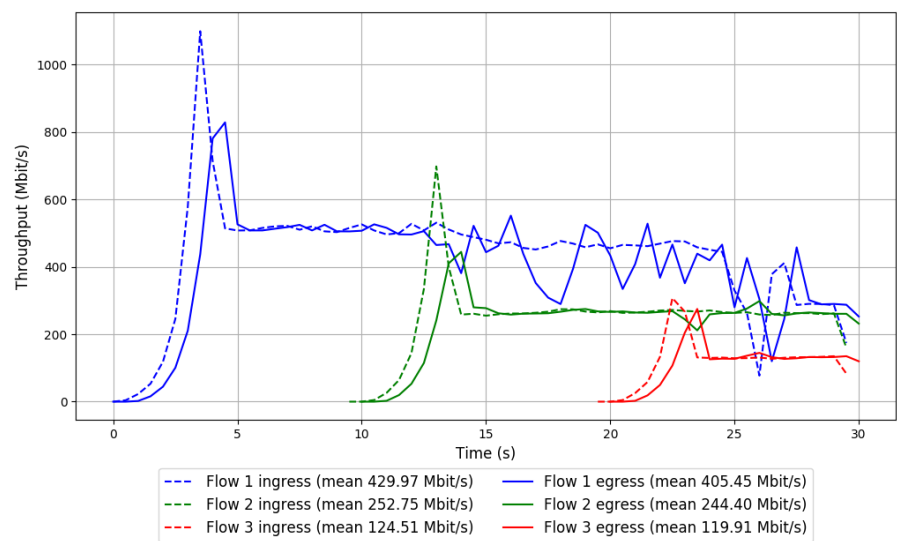


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-02 07:04:33
End at: 2018-08-02 07:05:03
Local clock offset: 0.037 ms
Remote clock offset: -0.4 ms

# Below is generated by plot.py at 2018-08-02 13:07:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 607.68 Mbit/s
95th percentile per-packet one-way delay: 282.920 ms
Loss rate: 4.94%
-- Flow 1:
Average throughput: 405.45 Mbit/s
95th percentile per-packet one-way delay: 300.506 ms
Loss rate: 5.70%
-- Flow 2:
Average throughput: 244.40 Mbit/s
95th percentile per-packet one-way delay: 224.454 ms
Loss rate: 3.31%
-- Flow 3:
Average throughput: 119.91 Mbit/s
95th percentile per-packet one-way delay: 224.916 ms
Loss rate: 3.68%
```

Run 1: Report of PCC-Allegro — Data Link

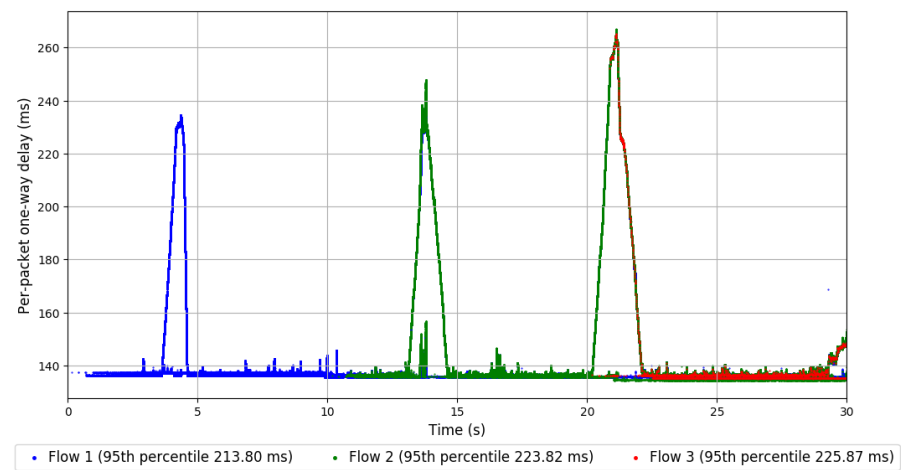
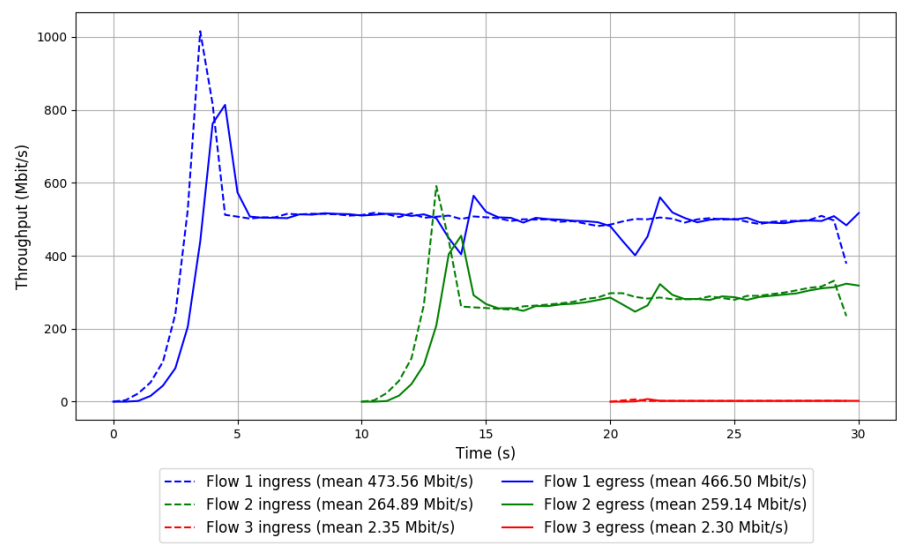


Run 2: Statistics of PCC-Allegro

Start at: 2018-08-02 07:31:53
End at: 2018-08-02 07:32:23
Local clock offset: 0.048 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-08-02 13:07:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 639.32 Mbit/s
95th percentile per-packet one-way delay: 216.620 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 466.50 Mbit/s
95th percentile per-packet one-way delay: 213.799 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 259.14 Mbit/s
95th percentile per-packet one-way delay: 223.818 ms
Loss rate: 2.17%
-- Flow 3:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 225.873 ms
Loss rate: 2.13%

Run 2: Report of PCC-Allegro — Data Link

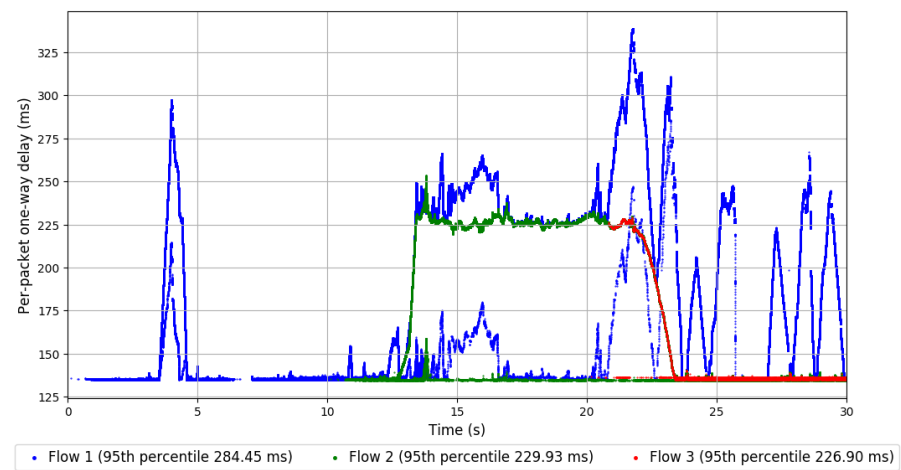
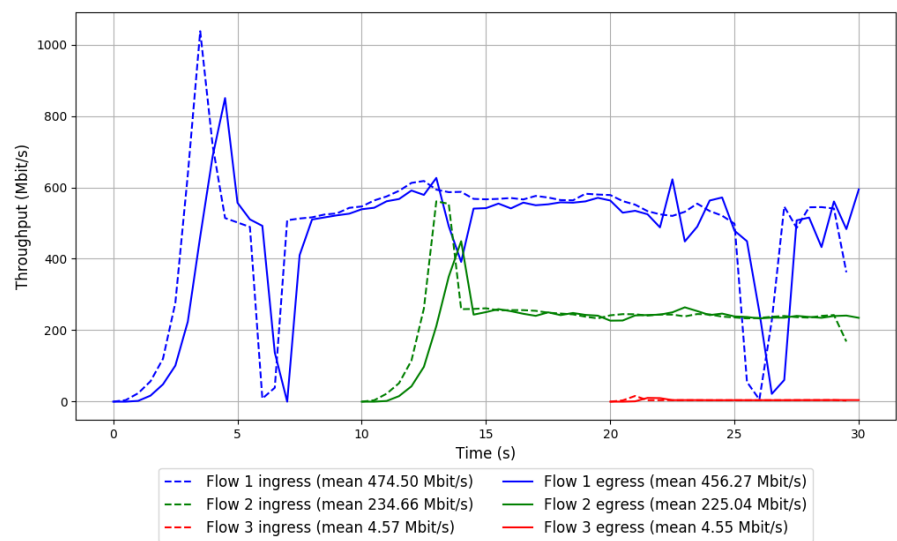


Run 3: Statistics of PCC-Allegro

Start at: 2018-08-02 07:59:04
End at: 2018-08-02 07:59:34
Local clock offset: -0.086 ms
Remote clock offset: -0.452 ms

Below is generated by plot.py at 2018-08-02 13:07:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 607.37 Mbit/s
95th percentile per-packet one-way delay: 268.253 ms
Loss rate: 3.90%
-- Flow 1:
Average throughput: 456.27 Mbit/s
95th percentile per-packet one-way delay: 284.452 ms
Loss rate: 3.84%
-- Flow 2:
Average throughput: 225.04 Mbit/s
95th percentile per-packet one-way delay: 229.926 ms
Loss rate: 4.10%
-- Flow 3:
Average throughput: 4.55 Mbit/s
95th percentile per-packet one-way delay: 226.900 ms
Loss rate: 0.48%

Run 3: Report of PCC-Allegro — Data Link

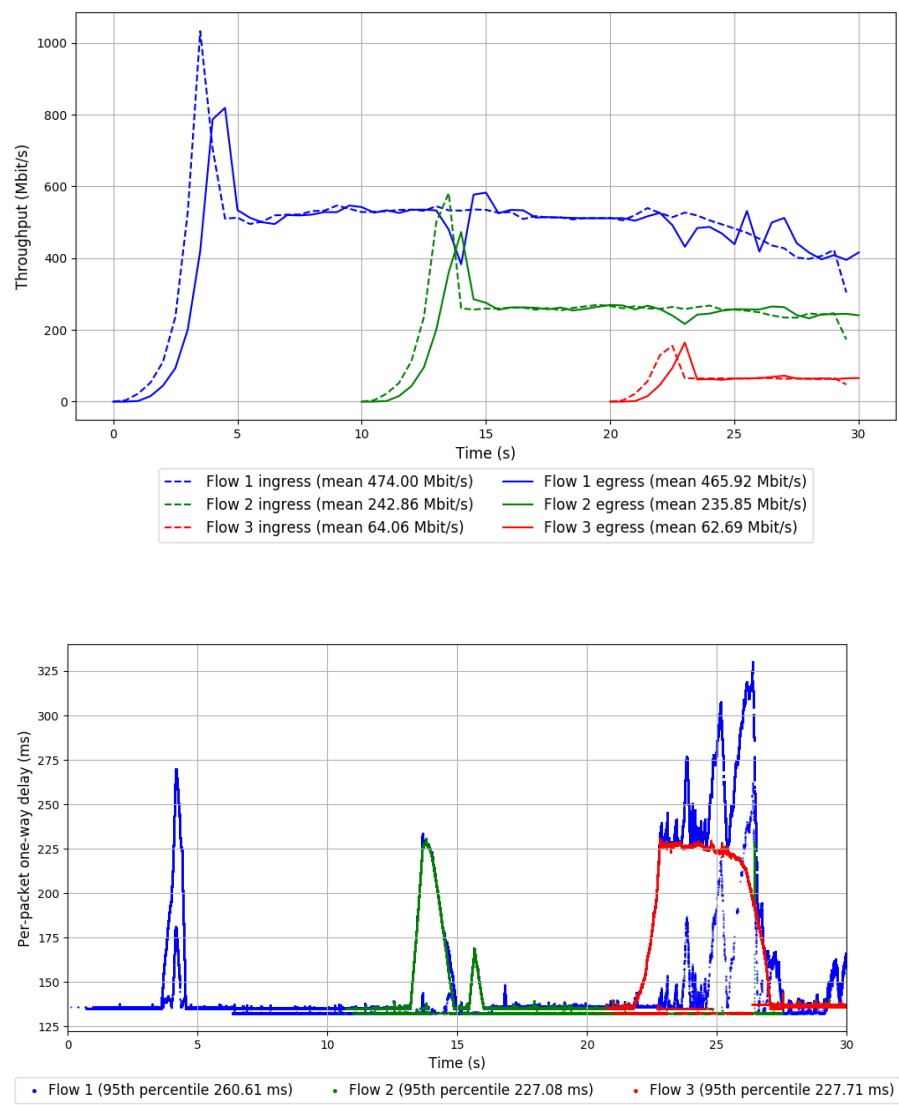


Run 4: Statistics of PCC-Allegro

Start at: 2018-08-02 08:26:16
End at: 2018-08-02 08:26:46
Local clock offset: 0.02 ms
Remote clock offset: -0.389 ms

Below is generated by plot.py at 2018-08-02 13:08:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 643.26 Mbit/s
95th percentile per-packet one-way delay: 244.829 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 465.92 Mbit/s
95th percentile per-packet one-way delay: 260.614 ms
Loss rate: 1.70%
-- Flow 2:
Average throughput: 235.85 Mbit/s
95th percentile per-packet one-way delay: 227.076 ms
Loss rate: 2.87%
-- Flow 3:
Average throughput: 62.69 Mbit/s
95th percentile per-packet one-way delay: 227.711 ms
Loss rate: 2.10%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-02 08:53:21

End at: 2018-08-02 08:53:51

Local clock offset: 0.097 ms

Remote clock offset: 0.335 ms

Below is generated by plot.py at 2018-08-02 13:10:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 654.41 Mbit/s

95th percentile per-packet one-way delay: 248.417 ms

Loss rate: 3.33%

-- Flow 1:

Average throughput: 465.87 Mbit/s

95th percentile per-packet one-way delay: 256.403 ms

Loss rate: 3.28%

-- Flow 2:

Average throughput: 252.71 Mbit/s

95th percentile per-packet one-way delay: 227.202 ms

Loss rate: 3.39%

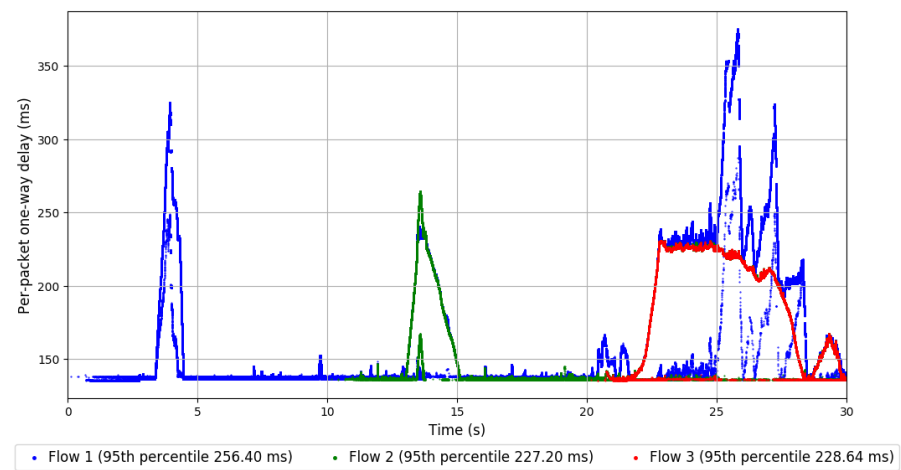
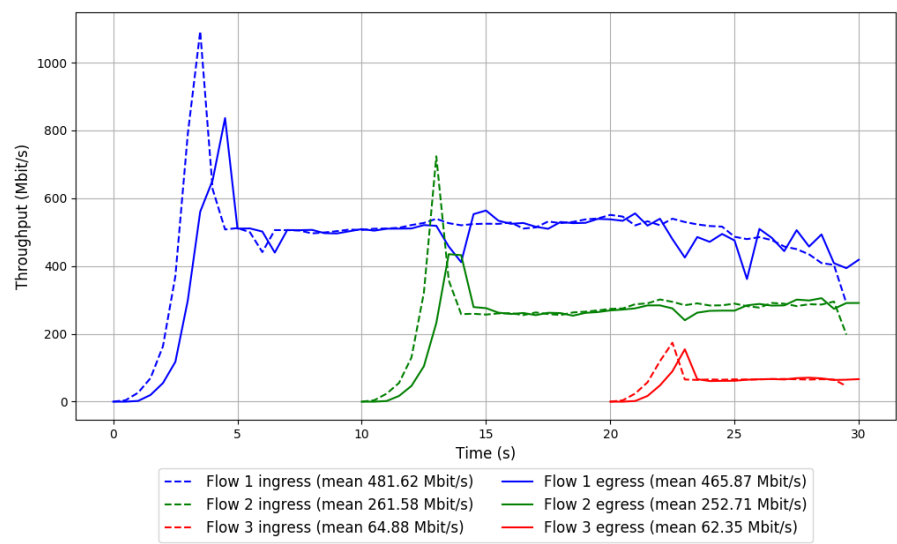
-- Flow 3:

Average throughput: 62.35 Mbit/s

95th percentile per-packet one-way delay: 228.643 ms

Loss rate: 3.89%

Run 5: Report of PCC-Allegro — Data Link

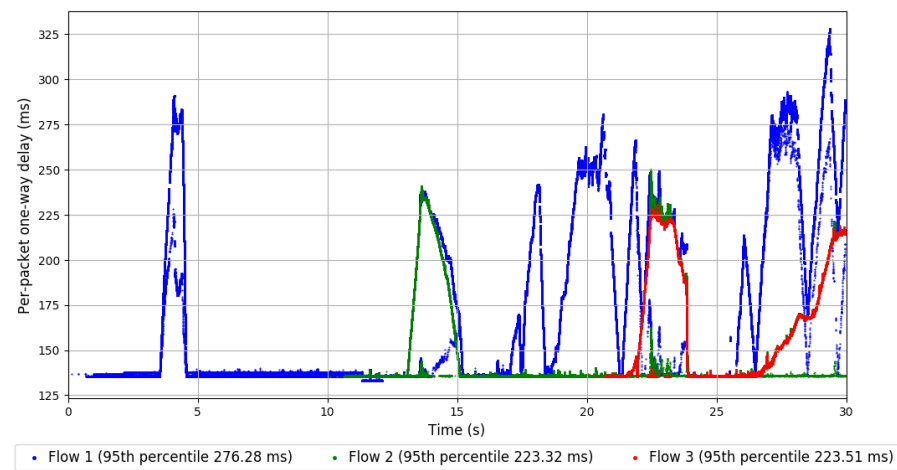
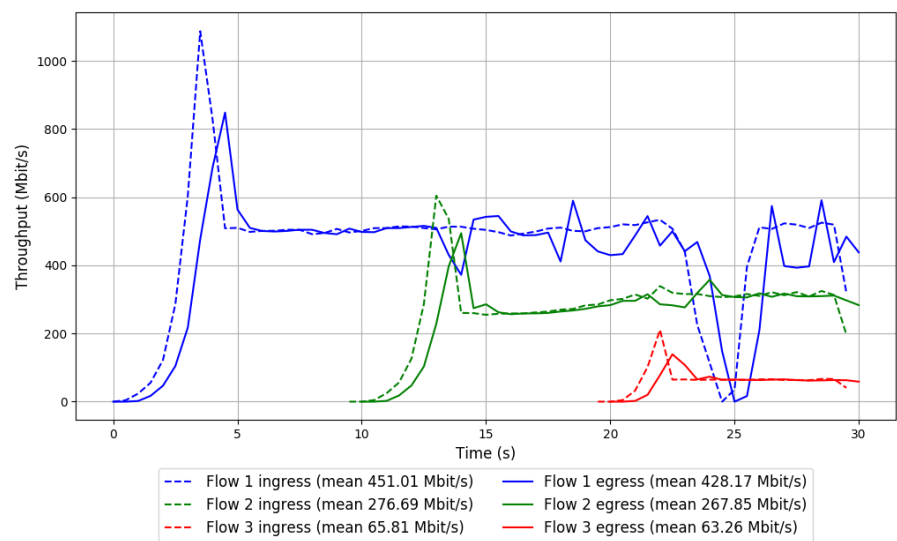


Run 6: Statistics of PCC-Allegro

Start at: 2018-08-02 09:20:02
End at: 2018-08-02 09:20:32
Local clock offset: -0.186 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-08-02 13:12:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 627.27 Mbit/s
95th percentile per-packet one-way delay: 268.260 ms
Loss rate: 4.50%
-- Flow 1:
Average throughput: 428.17 Mbit/s
95th percentile per-packet one-way delay: 276.280 ms
Loss rate: 5.07%
-- Flow 2:
Average throughput: 267.85 Mbit/s
95th percentile per-packet one-way delay: 223.320 ms
Loss rate: 3.19%
-- Flow 3:
Average throughput: 63.26 Mbit/s
95th percentile per-packet one-way delay: 223.510 ms
Loss rate: 3.87%

Run 6: Report of PCC-Allegro — Data Link

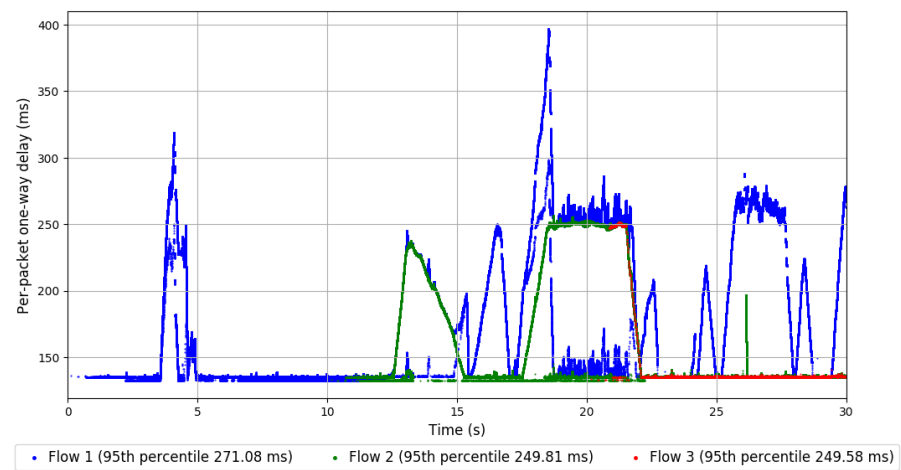
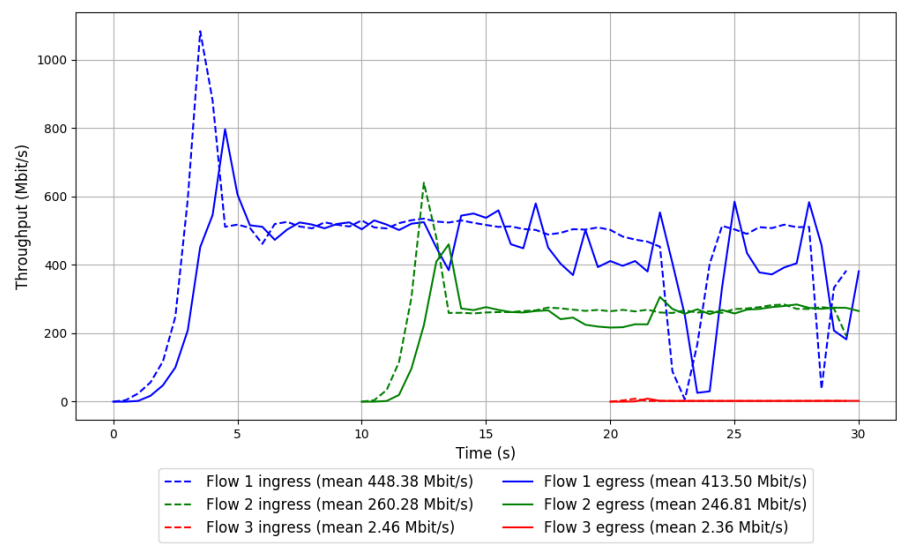


Run 7: Statistics of PCC-Allegro

Start at: 2018-08-02 09:46:30
End at: 2018-08-02 09:47:00
Local clock offset: 0.057 ms
Remote clock offset: -0.453 ms

Below is generated by plot.py at 2018-08-02 13:12:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 578.35 Mbit/s
95th percentile per-packet one-way delay: 266.816 ms
Loss rate: 7.05%
-- Flow 1:
Average throughput: 413.50 Mbit/s
95th percentile per-packet one-way delay: 271.076 ms
Loss rate: 7.78%
-- Flow 2:
Average throughput: 246.81 Mbit/s
95th percentile per-packet one-way delay: 249.809 ms
Loss rate: 5.17%
-- Flow 3:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 249.580 ms
Loss rate: 3.93%

Run 7: Report of PCC-Allegro — Data Link

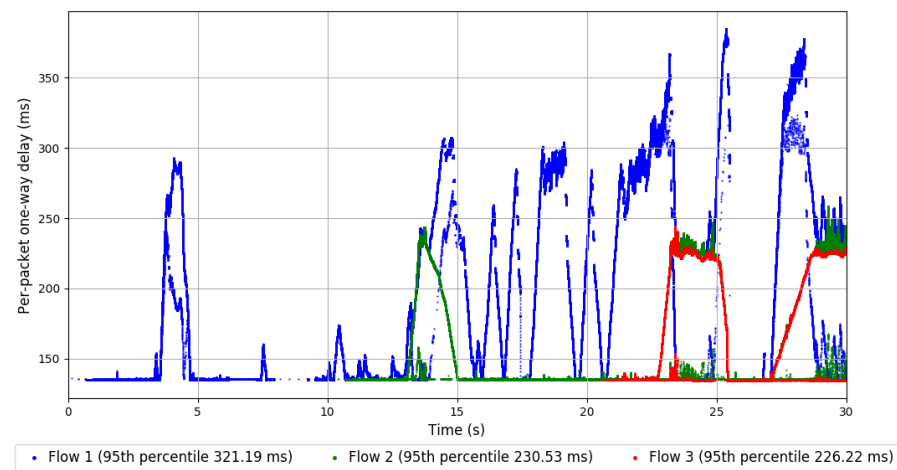
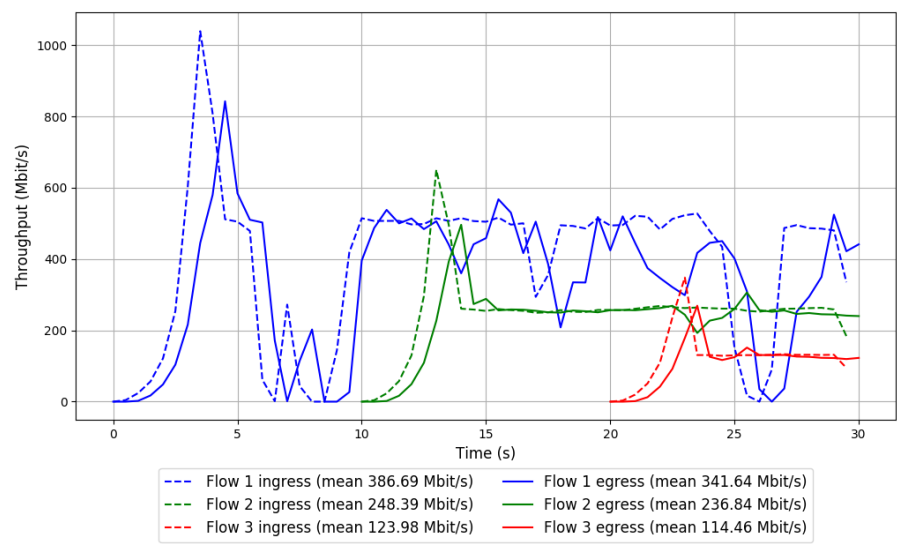


Run 8: Statistics of PCC-Allegro

Start at: 2018-08-02 10:12:50
End at: 2018-08-02 10:13:20
Local clock offset: -8.793 ms
Remote clock offset: -0.165 ms

Below is generated by plot.py at 2018-08-02 13:12:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 536.61 Mbit/s
95th percentile per-packet one-way delay: 301.418 ms
Loss rate: 9.43%
-- Flow 1:
Average throughput: 341.64 Mbit/s
95th percentile per-packet one-way delay: 321.192 ms
Loss rate: 11.65%
-- Flow 2:
Average throughput: 236.84 Mbit/s
95th percentile per-packet one-way delay: 230.535 ms
Loss rate: 4.65%
-- Flow 3:
Average throughput: 114.46 Mbit/s
95th percentile per-packet one-way delay: 226.215 ms
Loss rate: 7.69%

Run 8: Report of PCC-Allegro — Data Link

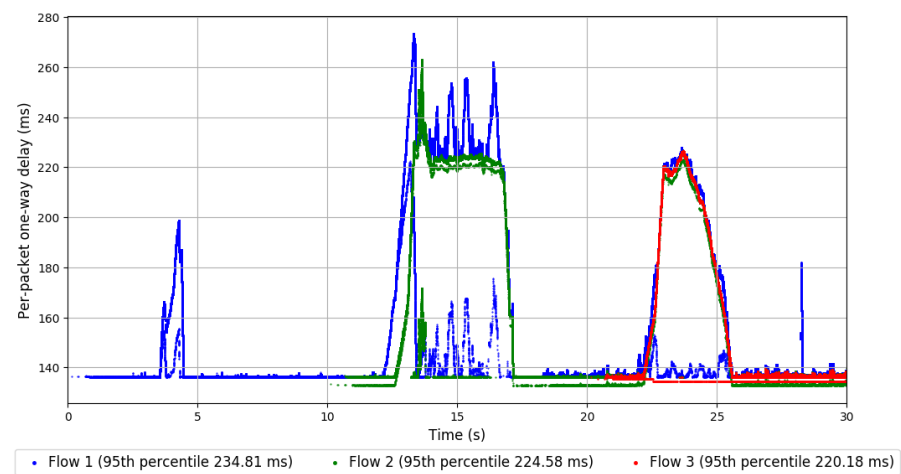
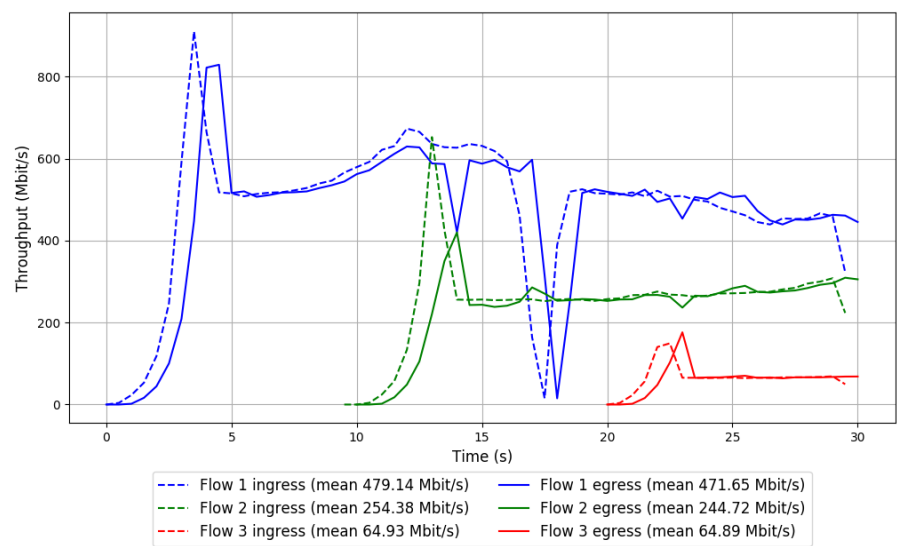


Run 9: Statistics of PCC-Allegro

Start at: 2018-08-02 10:39:20
End at: 2018-08-02 10:39:50
Local clock offset: -8.286 ms
Remote clock offset: -0.562 ms

Below is generated by plot.py at 2018-08-02 13:17:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 655.84 Mbit/s
95th percentile per-packet one-way delay: 230.808 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 471.65 Mbit/s
95th percentile per-packet one-way delay: 234.814 ms
Loss rate: 1.57%
-- Flow 2:
Average throughput: 244.72 Mbit/s
95th percentile per-packet one-way delay: 224.583 ms
Loss rate: 3.78%
-- Flow 3:
Average throughput: 64.89 Mbit/s
95th percentile per-packet one-way delay: 220.177 ms
Loss rate: 0.06%

Run 9: Report of PCC-Allegro — Data Link

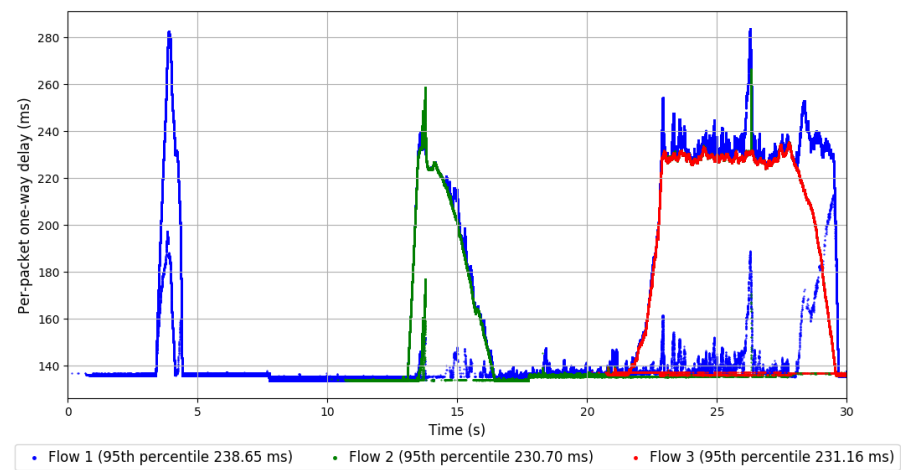
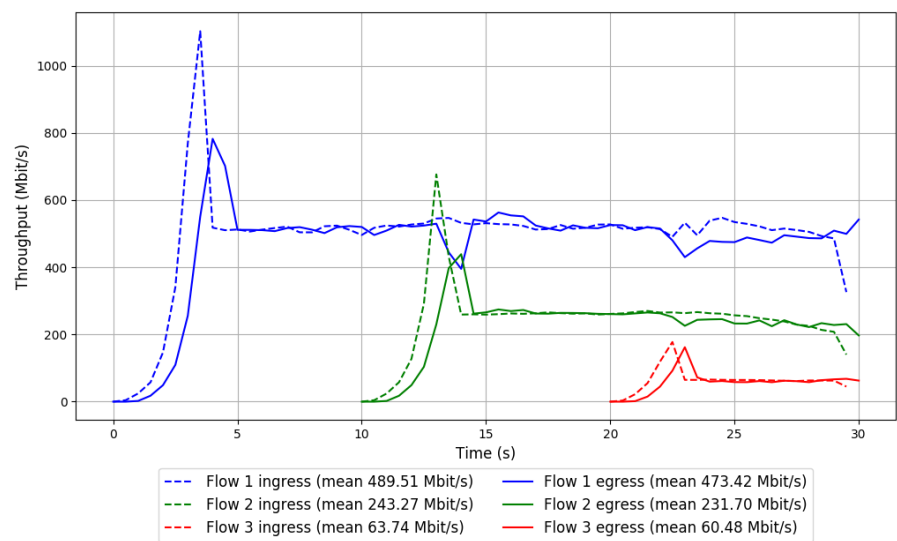


Run 10: Statistics of PCC-Allegro

Start at: 2018-08-02 11:06:56
End at: 2018-08-02 11:07:26
Local clock offset: -3.637 ms
Remote clock offset: -1.689 ms

Below is generated by plot.py at 2018-08-02 13:17:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 647.37 Mbit/s
95th percentile per-packet one-way delay: 236.973 ms
Loss rate: 3.70%
-- Flow 1:
Average throughput: 473.42 Mbit/s
95th percentile per-packet one-way delay: 238.646 ms
Loss rate: 3.29%
-- Flow 2:
Average throughput: 231.70 Mbit/s
95th percentile per-packet one-way delay: 230.702 ms
Loss rate: 4.75%
-- Flow 3:
Average throughput: 60.48 Mbit/s
95th percentile per-packet one-way delay: 231.160 ms
Loss rate: 5.14%

Run 10: Report of PCC-Allegro — Data Link

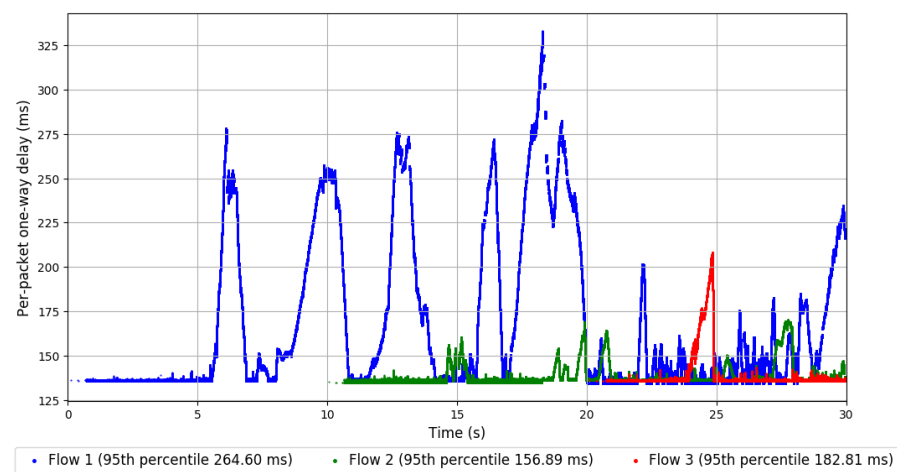
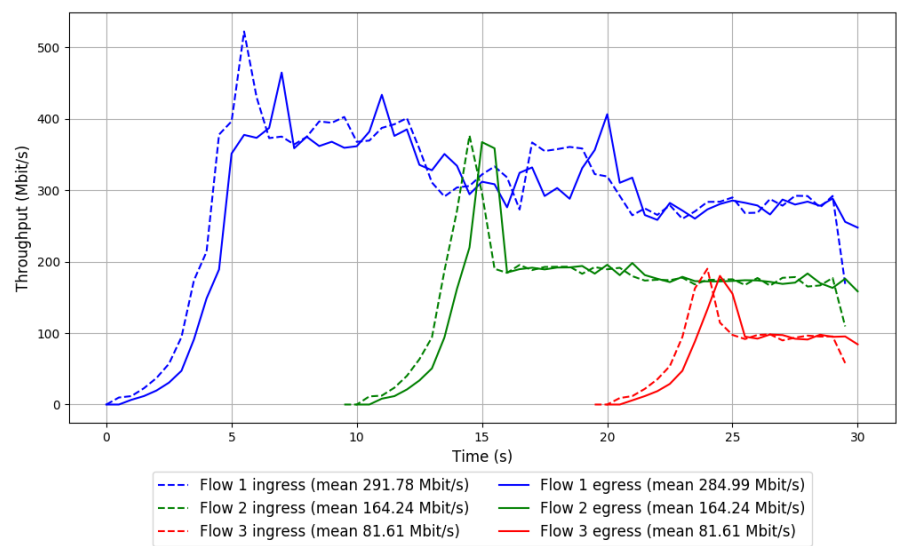


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-02 07:20:15
End at: 2018-08-02 07:20:45
Local clock offset: 0.124 ms
Remote clock offset: -0.033 ms

# Below is generated by plot.py at 2018-08-02 13:19:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 421.45 Mbit/s
95th percentile per-packet one-way delay: 255.253 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 284.99 Mbit/s
95th percentile per-packet one-way delay: 264.599 ms
Loss rate: 2.32%
-- Flow 2:
Average throughput: 164.24 Mbit/s
95th percentile per-packet one-way delay: 156.891 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 81.61 Mbit/s
95th percentile per-packet one-way delay: 182.814 ms
Loss rate: 0.00%
```


Run 1: Report of PCC-Expr — Data Link

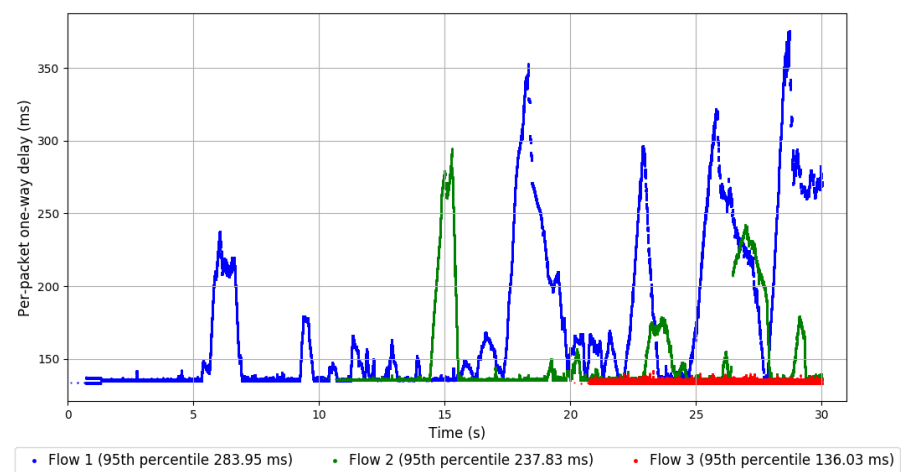
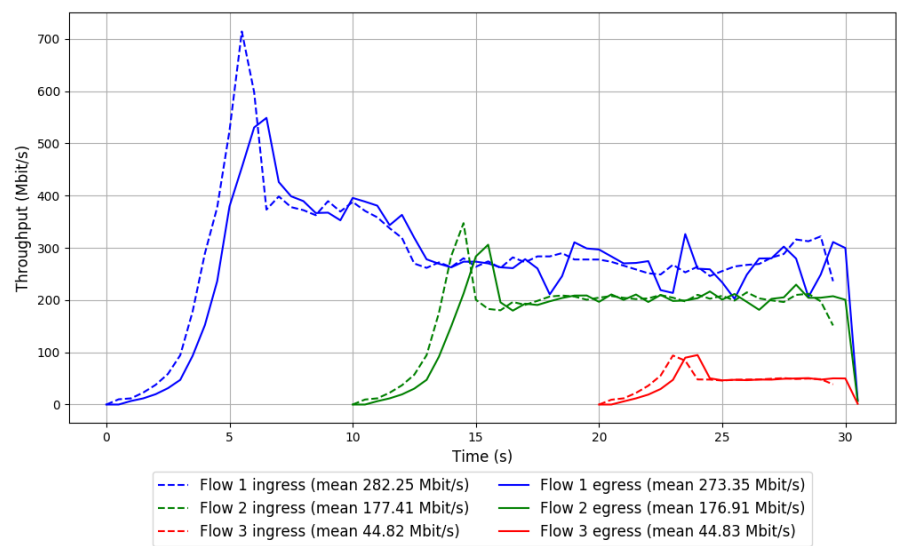


```
Run 2: Statistics of PCC-Expr

Start at: 2018-08-02 07:47:22
End at: 2018-08-02 07:47:52
Local clock offset: 0.033 ms
Remote clock offset: 0.245 ms

# Below is generated by plot.py at 2018-08-02 13:20:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 405.78 Mbit/s
95th percentile per-packet one-way delay: 274.810 ms
Loss rate: 2.23%
-- Flow 1:
Average throughput: 273.35 Mbit/s
95th percentile per-packet one-way delay: 283.952 ms
Loss rate: 3.15%
-- Flow 2:
Average throughput: 176.91 Mbit/s
95th percentile per-packet one-way delay: 237.833 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 44.83 Mbit/s
95th percentile per-packet one-way delay: 136.029 ms
Loss rate: 0.00%
```

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-08-02 08:14:40

End at: 2018-08-02 08:15:10

Local clock offset: 0.136 ms

Remote clock offset: 0.303 ms

Below is generated by plot.py at 2018-08-02 13:20:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 227.30 Mbit/s

95th percentile per-packet one-way delay: 138.222 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 99.80 Mbit/s

95th percentile per-packet one-way delay: 137.979 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 169.83 Mbit/s

95th percentile per-packet one-way delay: 138.782 ms

Loss rate: 0.00%

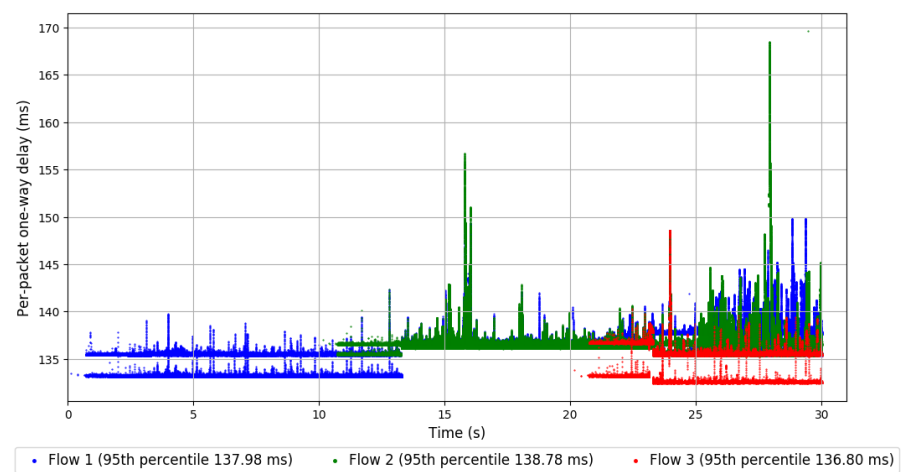
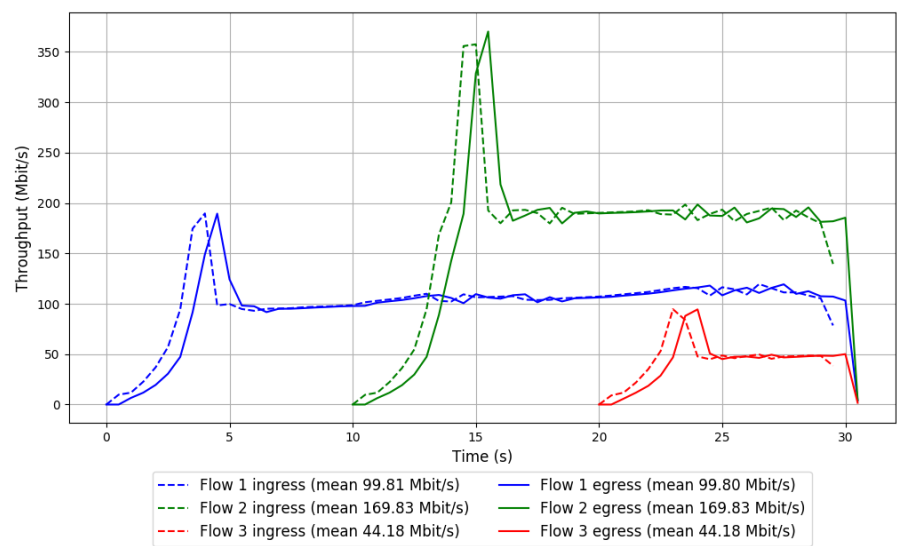
-- Flow 3:

Average throughput: 44.18 Mbit/s

95th percentile per-packet one-way delay: 136.802 ms

Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-08-02 08:42:02

End at: 2018-08-02 08:42:32

Local clock offset: 0.059 ms

Remote clock offset: 0.271 ms

Below is generated by plot.py at 2018-08-02 13:25:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 408.51 Mbit/s

95th percentile per-packet one-way delay: 276.022 ms

Loss rate: 2.81%

-- Flow 1:

Average throughput: 297.79 Mbit/s

95th percentile per-packet one-way delay: 278.136 ms

Loss rate: 3.38%

-- Flow 2:

Average throughput: 90.22 Mbit/s

95th percentile per-packet one-way delay: 137.977 ms

Loss rate: 0.00%

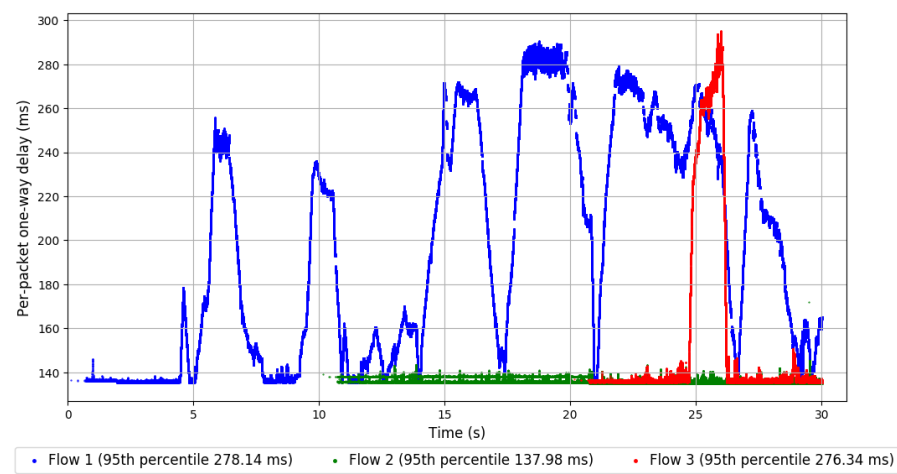
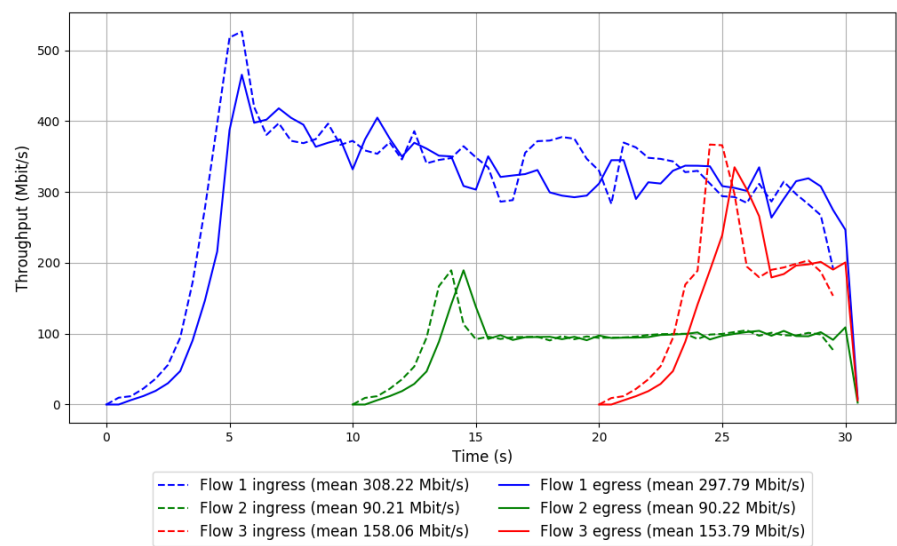
-- Flow 3:

Average throughput: 153.79 Mbit/s

95th percentile per-packet one-way delay: 276.338 ms

Loss rate: 2.71%

Run 4: Report of PCC-Expr — Data Link

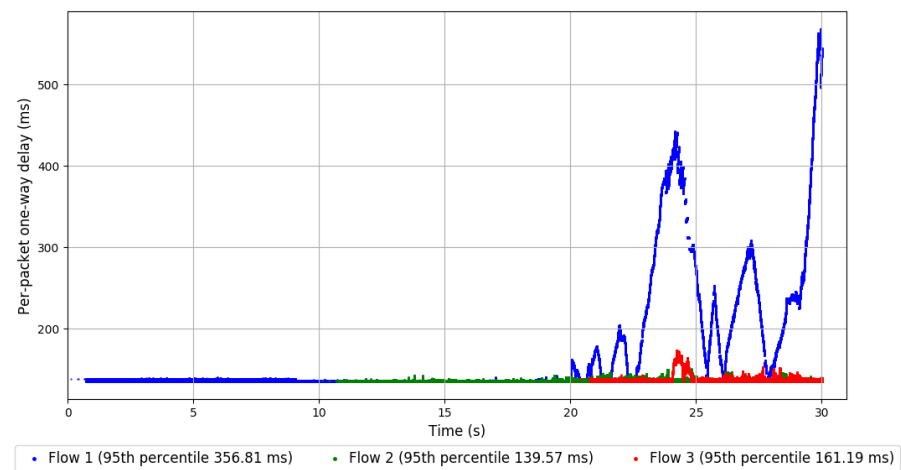
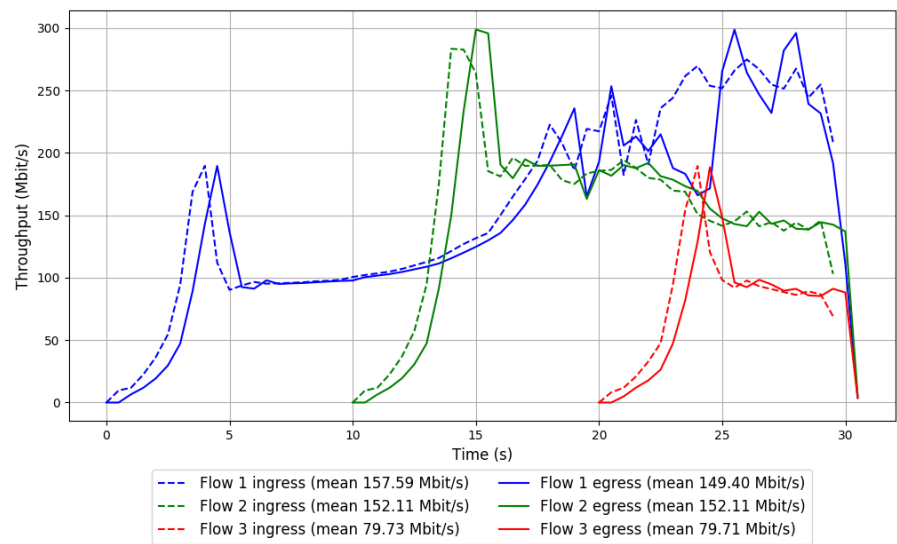


Run 5: Statistics of PCC-Expr

Start at: 2018-08-02 09:08:54
End at: 2018-08-02 09:09:24
Local clock offset: -0.053 ms
Remote clock offset: -0.356 ms

Below is generated by plot.py at 2018-08-02 13:25:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 276.90 Mbit/s
95th percentile per-packet one-way delay: 293.908 ms
Loss rate: 2.88%
-- Flow 1:
Average throughput: 149.40 Mbit/s
95th percentile per-packet one-way delay: 356.815 ms
Loss rate: 5.20%
-- Flow 2:
Average throughput: 152.11 Mbit/s
95th percentile per-packet one-way delay: 139.566 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 79.71 Mbit/s
95th percentile per-packet one-way delay: 161.189 ms
Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link

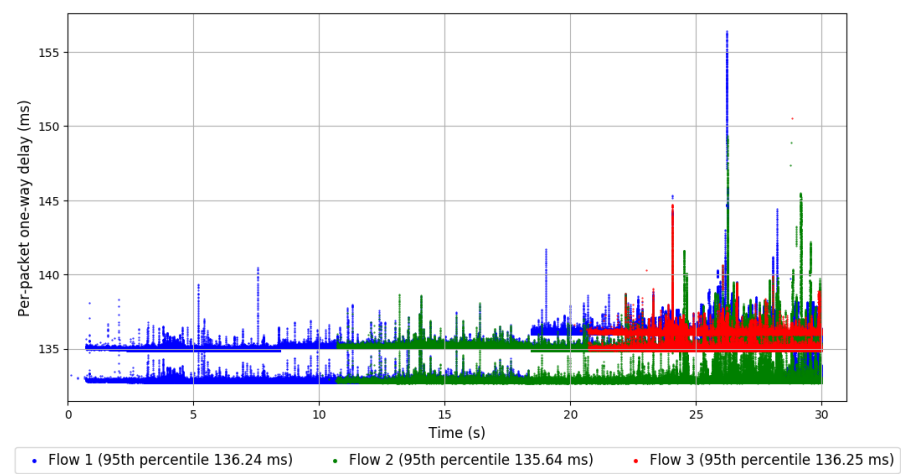
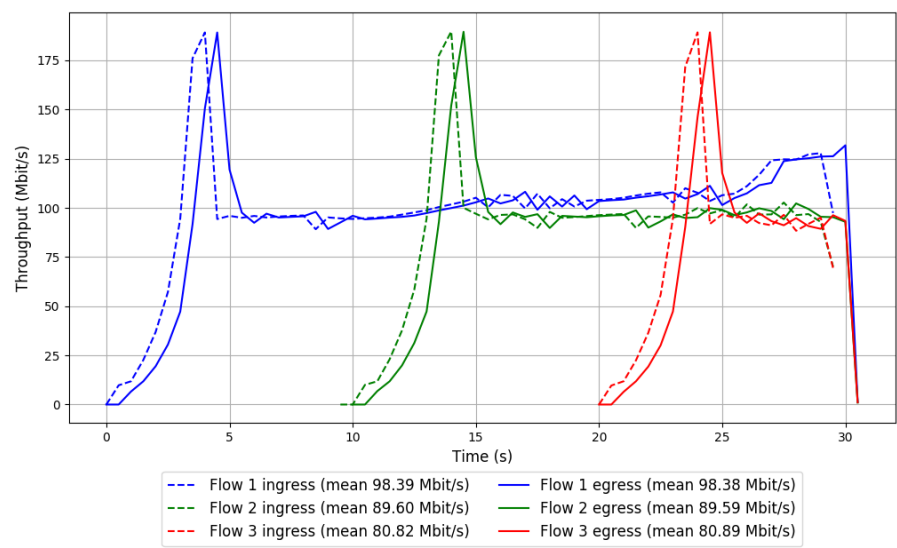


Run 6: Statistics of PCC-Expr

Start at: 2018-08-02 09:35:35
End at: 2018-08-02 09:36:05
Local clock offset: 0.229 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-08-02 13:25:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 184.69 Mbit/s
95th percentile per-packet one-way delay: 136.201 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 98.38 Mbit/s
95th percentile per-packet one-way delay: 136.236 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 89.59 Mbit/s
95th percentile per-packet one-way delay: 135.639 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 80.89 Mbit/s
95th percentile per-packet one-way delay: 136.253 ms
Loss rate: 0.01%

Run 6: Report of PCC-Expr — Data Link

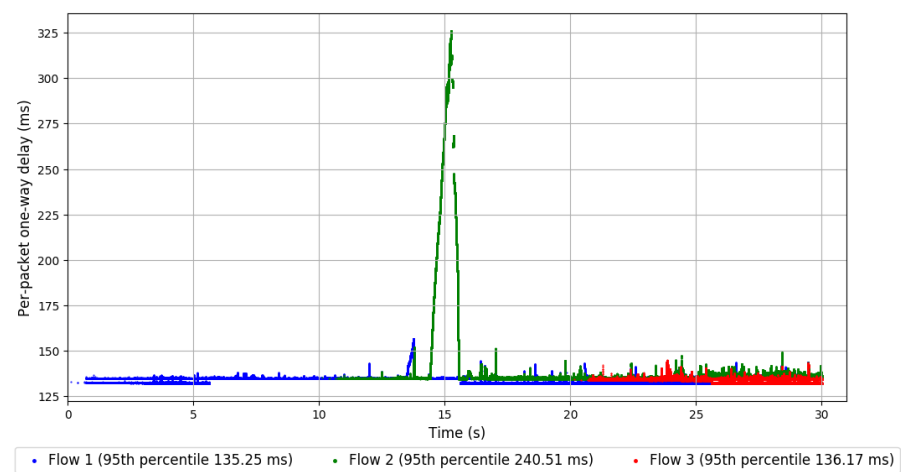
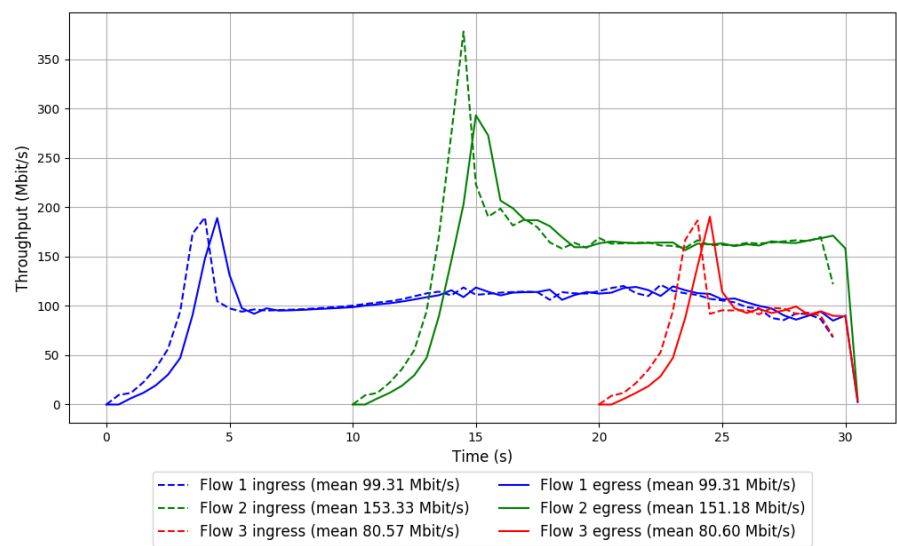


Run 7: Statistics of PCC-Expr

Start at: 2018-08-02 10:01:57
End at: 2018-08-02 10:02:27
Local clock offset: -2.885 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-08-02 13:25:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 226.44 Mbit/s
95th percentile per-packet one-way delay: 145.865 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 99.31 Mbit/s
95th percentile per-packet one-way delay: 135.246 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 151.18 Mbit/s
95th percentile per-packet one-way delay: 240.510 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 80.60 Mbit/s
95th percentile per-packet one-way delay: 136.173 ms
Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link

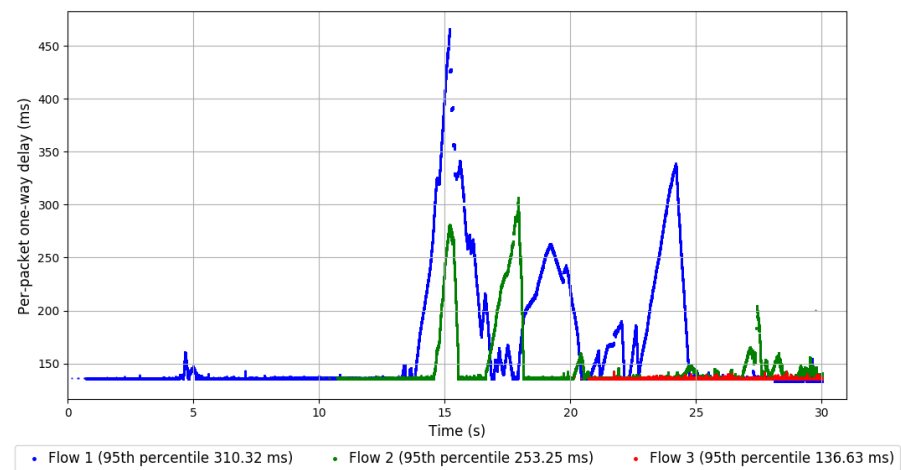
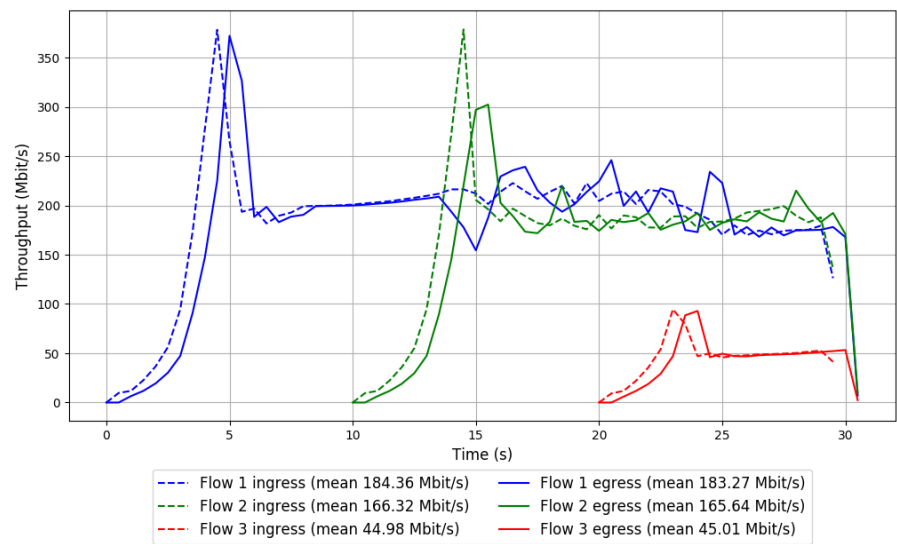


Run 8: Statistics of PCC-Expr

Start at: 2018-08-02 10:27:56
End at: 2018-08-02 10:28:26
Local clock offset: -6.548 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-08-02 13:26:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 308.27 Mbit/s
95th percentile per-packet one-way delay: 272.767 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 183.27 Mbit/s
95th percentile per-packet one-way delay: 310.320 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 165.64 Mbit/s
95th percentile per-packet one-way delay: 253.251 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 45.01 Mbit/s
95th percentile per-packet one-way delay: 136.632 ms
Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link

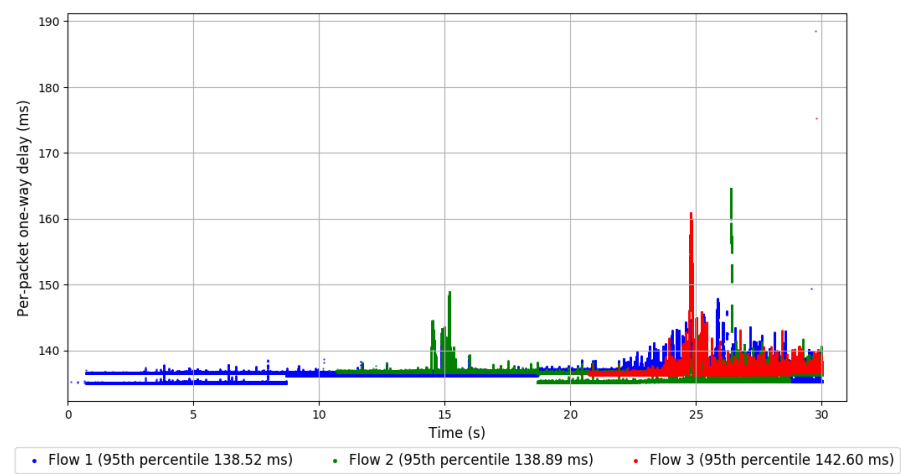
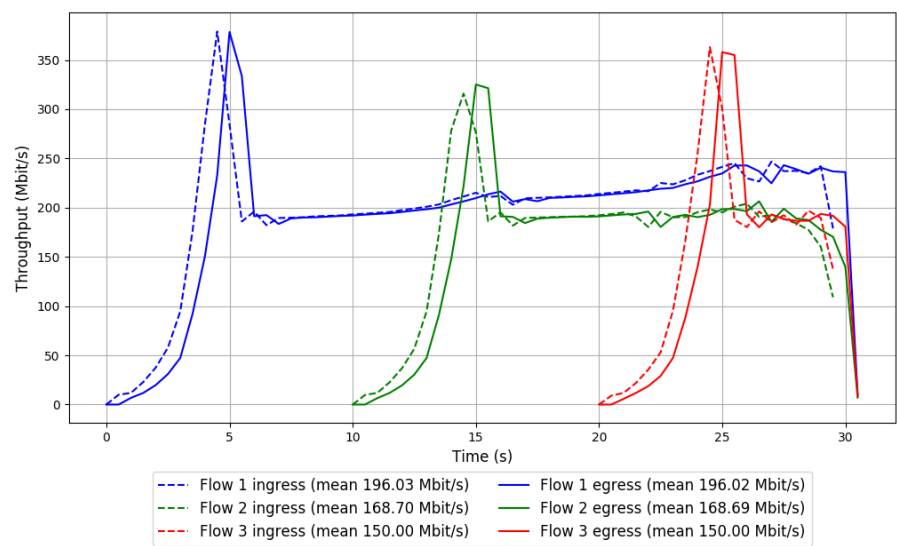


Run 9: Statistics of PCC-Expr

Start at: 2018-08-02 10:55:15
End at: 2018-08-02 10:55:45
Local clock offset: -6.507 ms
Remote clock offset: -1.709 ms

Below is generated by plot.py at 2018-08-02 13:29:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 357.71 Mbit/s
95th percentile per-packet one-way delay: 139.483 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 196.02 Mbit/s
95th percentile per-packet one-way delay: 138.519 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 168.69 Mbit/s
95th percentile per-packet one-way delay: 138.894 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 150.00 Mbit/s
95th percentile per-packet one-way delay: 142.604 ms
Loss rate: 0.01%

Run 9: Report of PCC-Expr — Data Link

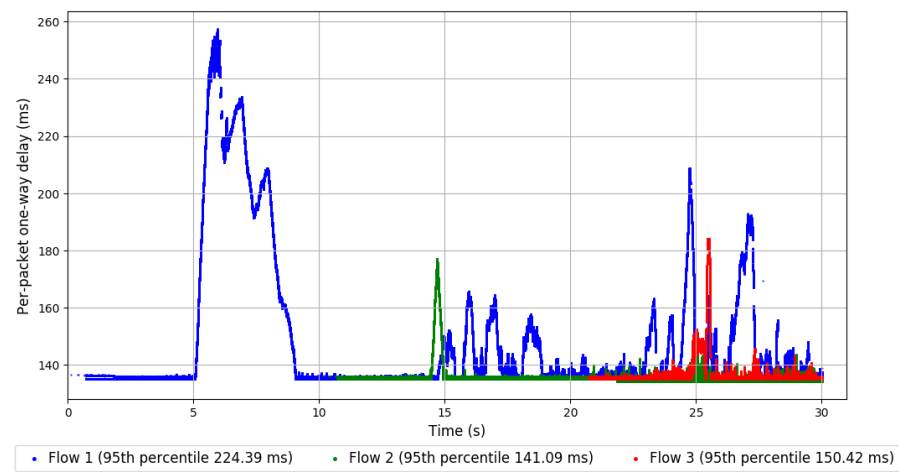
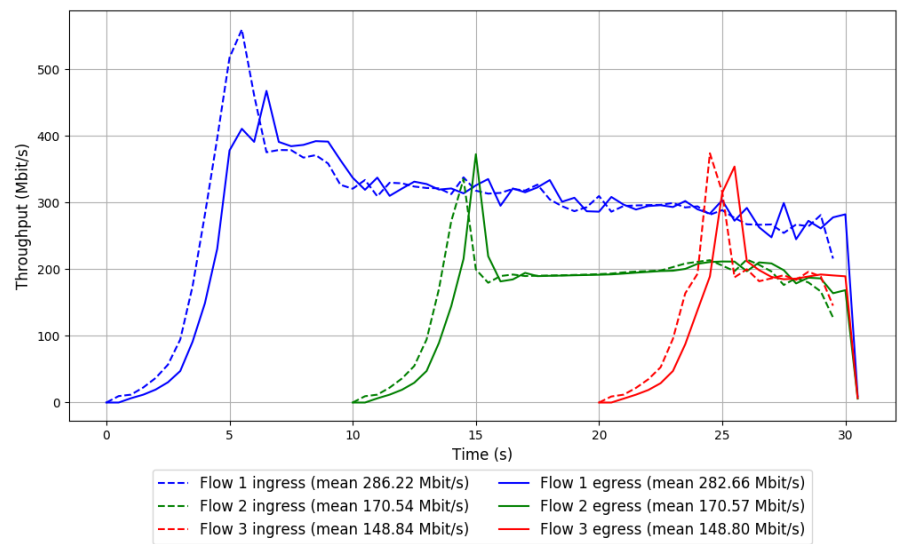


Run 10: Statistics of PCC-Expr

Start at: 2018-08-02 11:22:22
End at: 2018-08-02 11:22:52
Local clock offset: -4.157 ms
Remote clock offset: -3.665 ms

Below is generated by plot.py at 2018-08-02 13:33:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 445.15 Mbit/s
95th percentile per-packet one-way delay: 212.640 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 282.66 Mbit/s
95th percentile per-packet one-way delay: 224.389 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 170.57 Mbit/s
95th percentile per-packet one-way delay: 141.094 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 148.80 Mbit/s
95th percentile per-packet one-way delay: 150.423 ms
Loss rate: 0.01%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-08-02 07:11:47

End at: 2018-08-02 07:12:17

Local clock offset: 0.125 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-08-02 13:33:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.74 Mbit/s

95th percentile per-packet one-way delay: 136.277 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 136.771 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 60.35 Mbit/s

95th percentile per-packet one-way delay: 135.760 ms

Loss rate: 0.00%

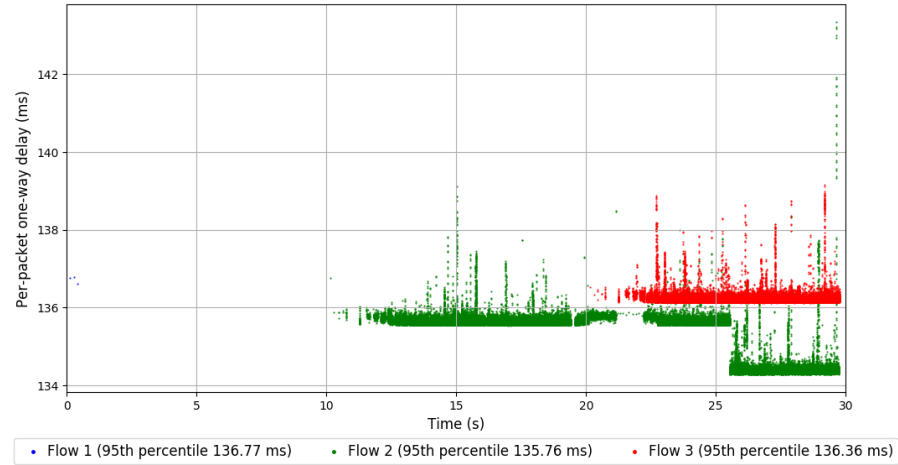
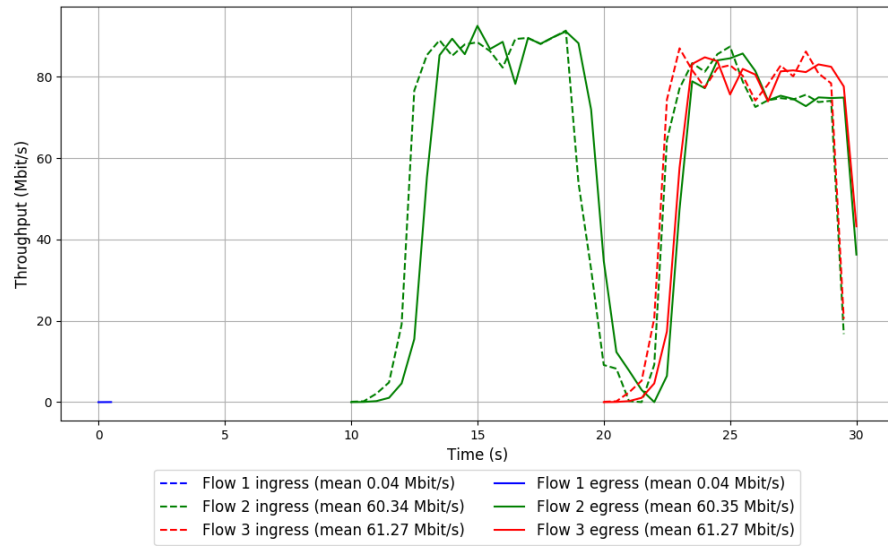
-- Flow 3:

Average throughput: 61.27 Mbit/s

95th percentile per-packet one-way delay: 136.362 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

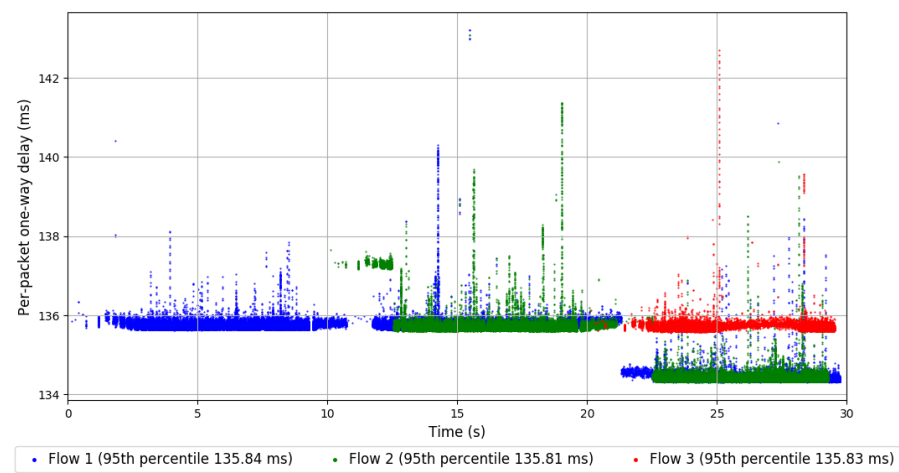
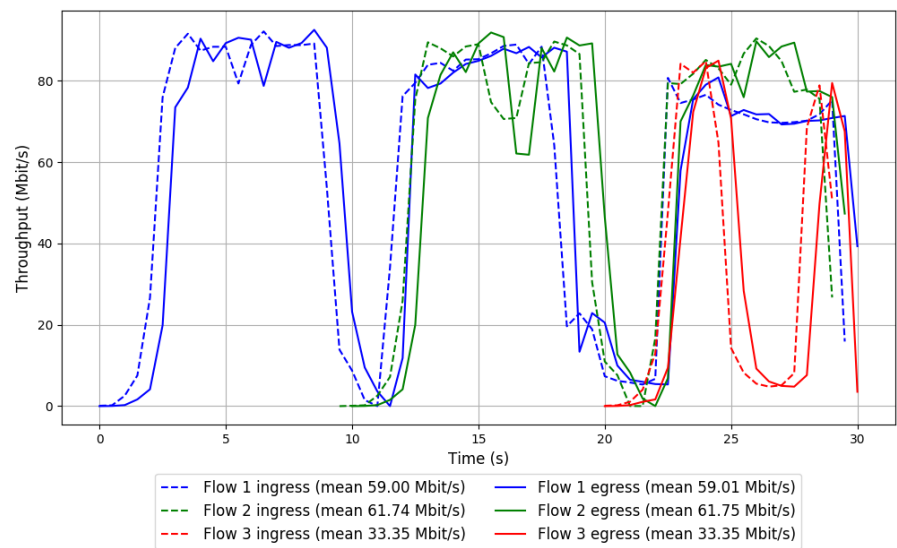


Run 2: Statistics of QUIC Cubic

Start at: 2018-08-02 07:39:11
End at: 2018-08-02 07:39:41
Local clock offset: 0.078 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-08-02 13:33:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 109.50 Mbit/s
95th percentile per-packet one-way delay: 135.833 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.01 Mbit/s
95th percentile per-packet one-way delay: 135.841 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.75 Mbit/s
95th percentile per-packet one-way delay: 135.810 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.35 Mbit/s
95th percentile per-packet one-way delay: 135.828 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

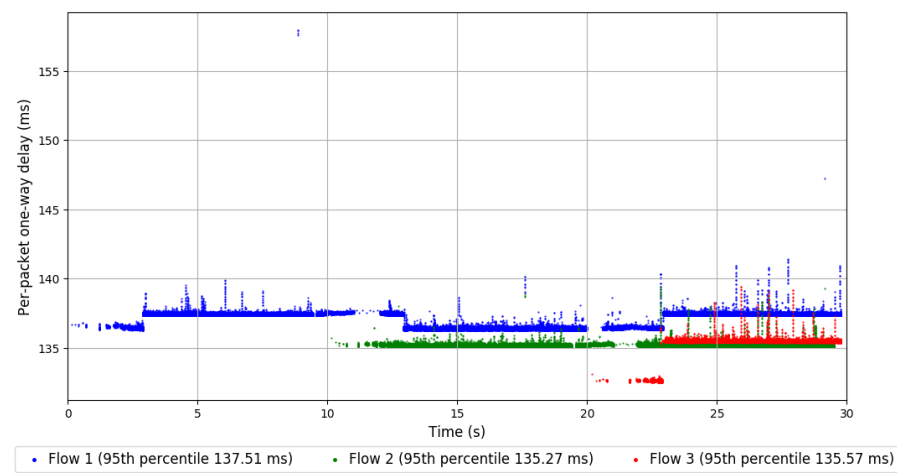
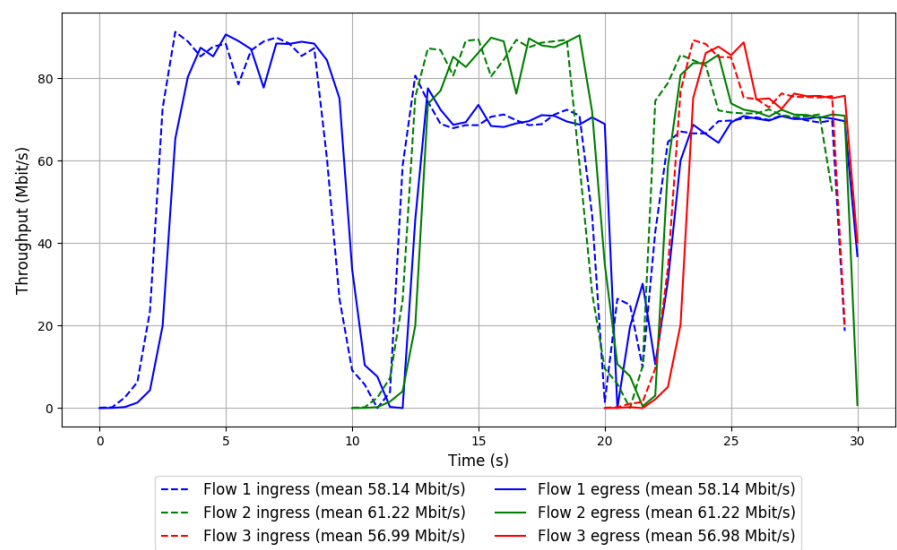


Run 3: Statistics of QUIC Cubic

Start at: 2018-08-02 08:06:19
End at: 2018-08-02 08:06:49
Local clock offset: 0.072 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-08-02 13:33:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 116.53 Mbit/s
95th percentile per-packet one-way delay: 137.480 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.14 Mbit/s
95th percentile per-packet one-way delay: 137.512 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 61.22 Mbit/s
95th percentile per-packet one-way delay: 135.270 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 56.98 Mbit/s
95th percentile per-packet one-way delay: 135.567 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-02 08:33:33

End at: 2018-08-02 08:34:03

Local clock offset: 0.079 ms

Remote clock offset: 0.316 ms

Below is generated by plot.py at 2018-08-02 13:33:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.21 Mbit/s

95th percentile per-packet one-way delay: 137.923 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 49.32 Mbit/s

95th percentile per-packet one-way delay: 137.930 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 47.20 Mbit/s

95th percentile per-packet one-way delay: 137.802 ms

Loss rate: 0.00%

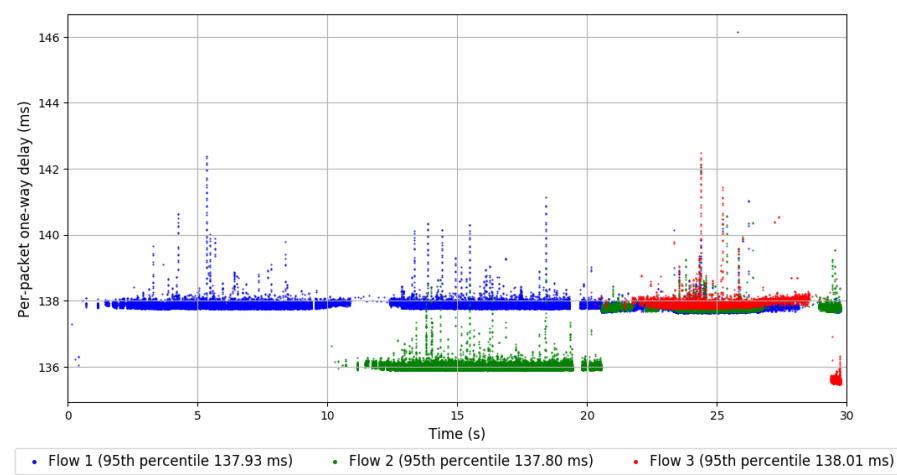
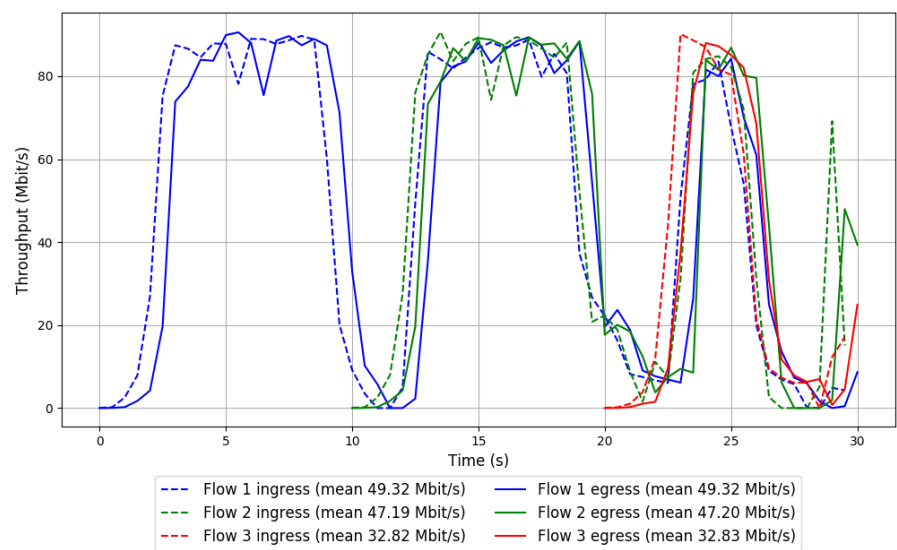
-- Flow 3:

Average throughput: 32.83 Mbit/s

95th percentile per-packet one-way delay: 138.009 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-02 09:00:43

End at: 2018-08-02 09:01:13

Local clock offset: 0.016 ms

Remote clock offset: 0.309 ms

Below is generated by plot.py at 2018-08-02 13:33:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.02 Mbit/s

95th percentile per-packet one-way delay: 138.593 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 45.57 Mbit/s

95th percentile per-packet one-way delay: 138.040 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 46.23 Mbit/s

95th percentile per-packet one-way delay: 138.657 ms

Loss rate: 0.00%

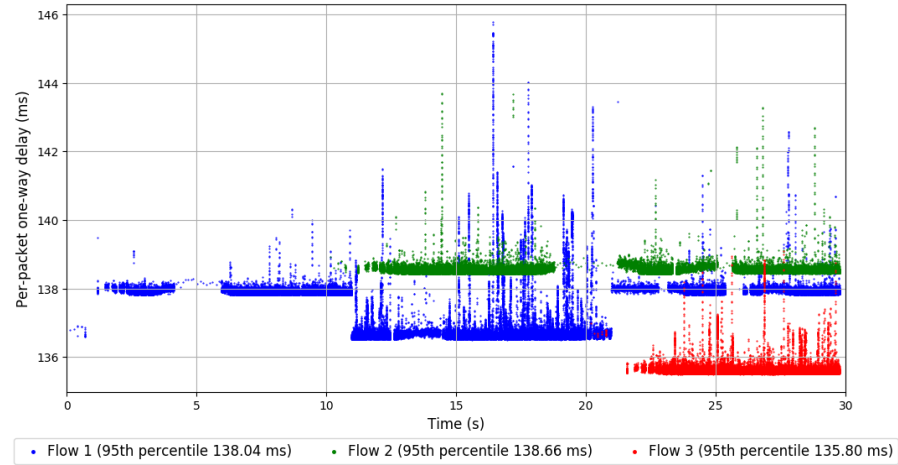
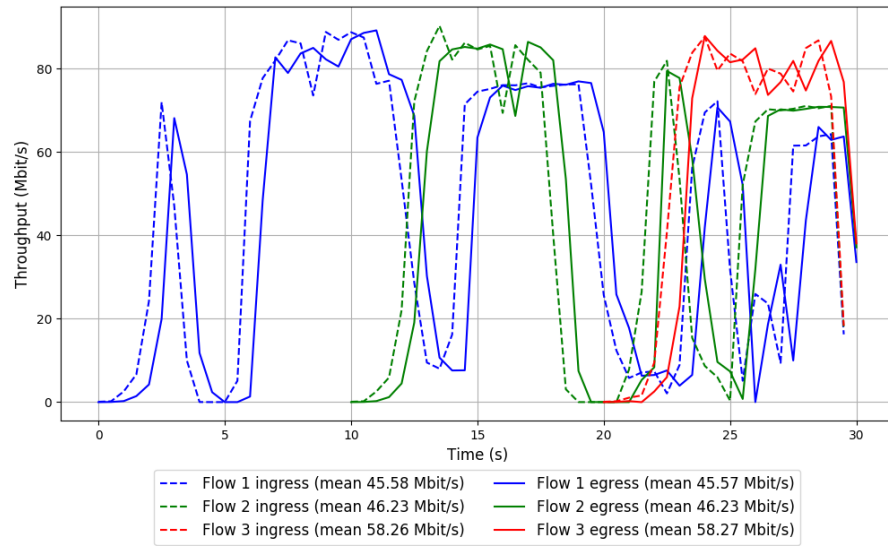
-- Flow 3:

Average throughput: 58.27 Mbit/s

95th percentile per-packet one-way delay: 135.800 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-08-02 09:27:18

End at: 2018-08-02 09:27:48

Local clock offset: 0.258 ms

Remote clock offset: 0.366 ms

Below is generated by plot.py at 2018-08-02 13:33:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 110.27 Mbit/s

95th percentile per-packet one-way delay: 135.272 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 60.13 Mbit/s

95th percentile per-packet one-way delay: 135.298 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 59.11 Mbit/s

95th percentile per-packet one-way delay: 135.084 ms

Loss rate: 0.00%

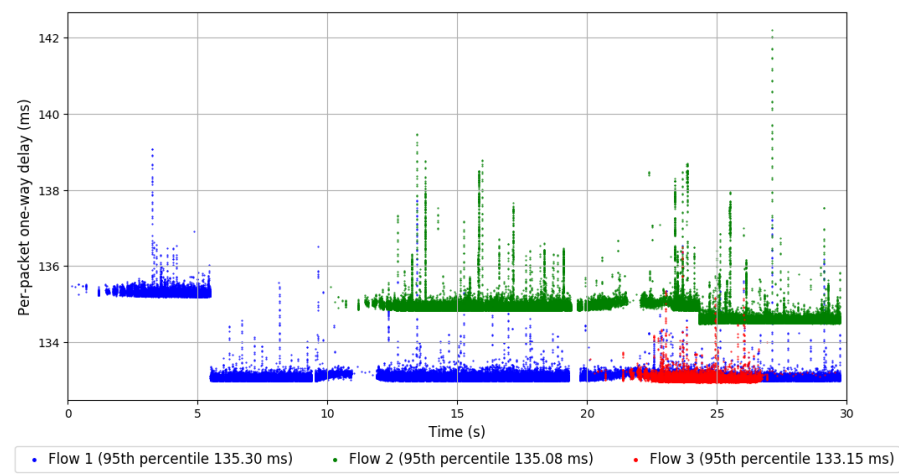
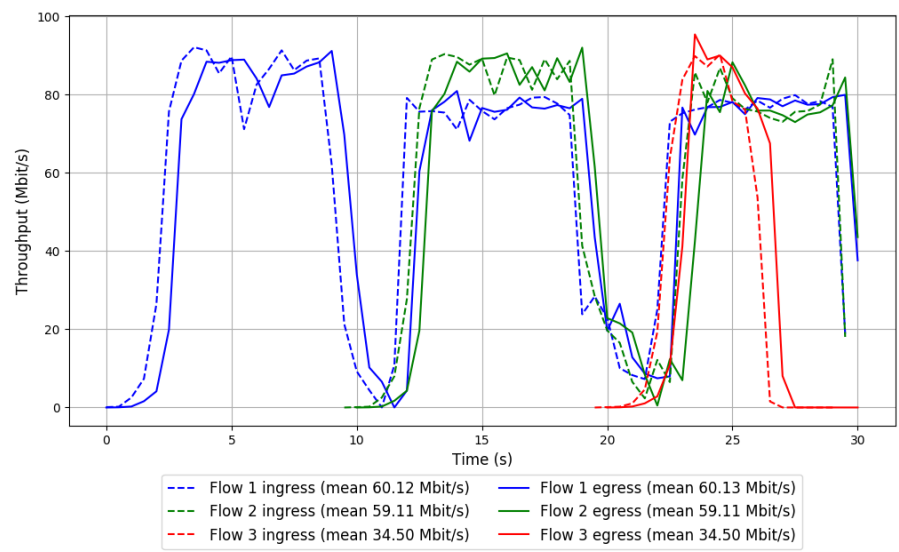
-- Flow 3:

Average throughput: 34.50 Mbit/s

95th percentile per-packet one-way delay: 133.151 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-08-02 09:53:42

End at: 2018-08-02 09:54:12

Local clock offset: -0.043 ms

Remote clock offset: 0.29 ms

Below is generated by plot.py at 2018-08-02 13:33:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.16 Mbit/s

95th percentile per-packet one-way delay: 136.550 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 53.94 Mbit/s

95th percentile per-packet one-way delay: 136.462 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 40.49 Mbit/s

95th percentile per-packet one-way delay: 136.643 ms

Loss rate: 0.00%

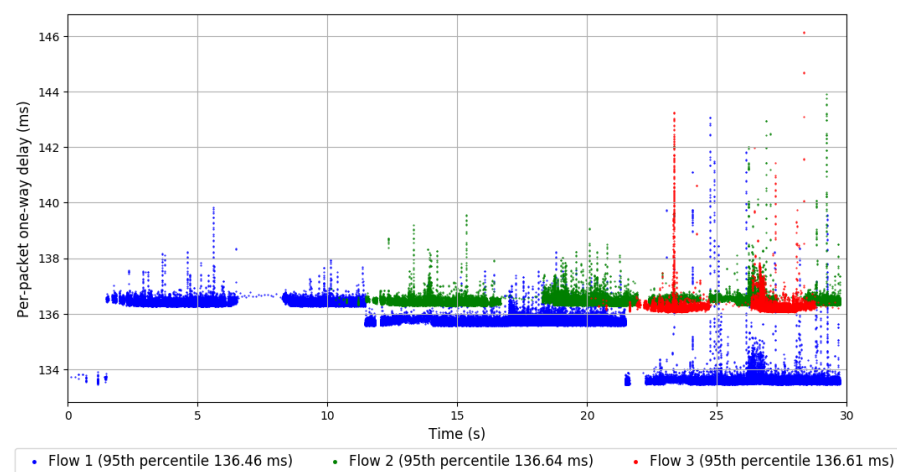
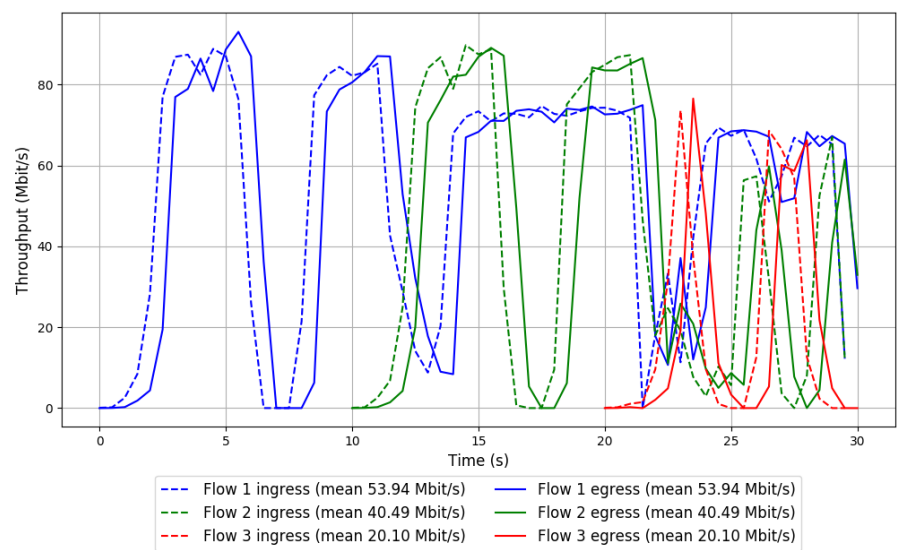
-- Flow 3:

Average throughput: 20.10 Mbit/s

95th percentile per-packet one-way delay: 136.607 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

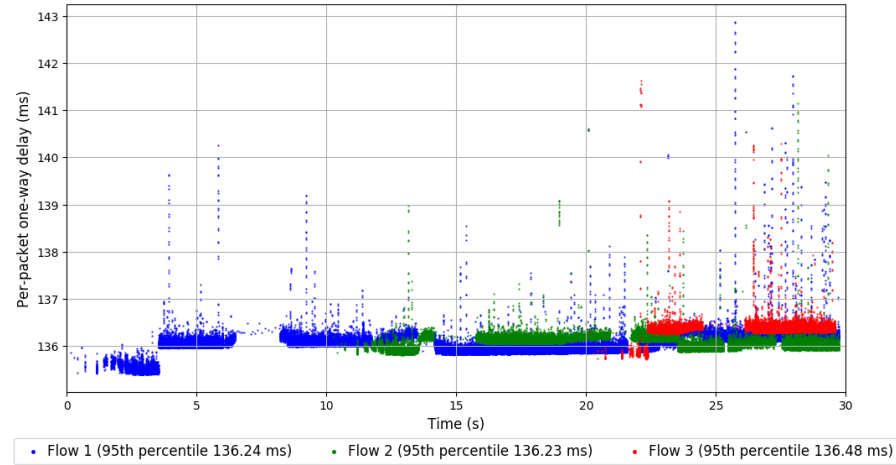
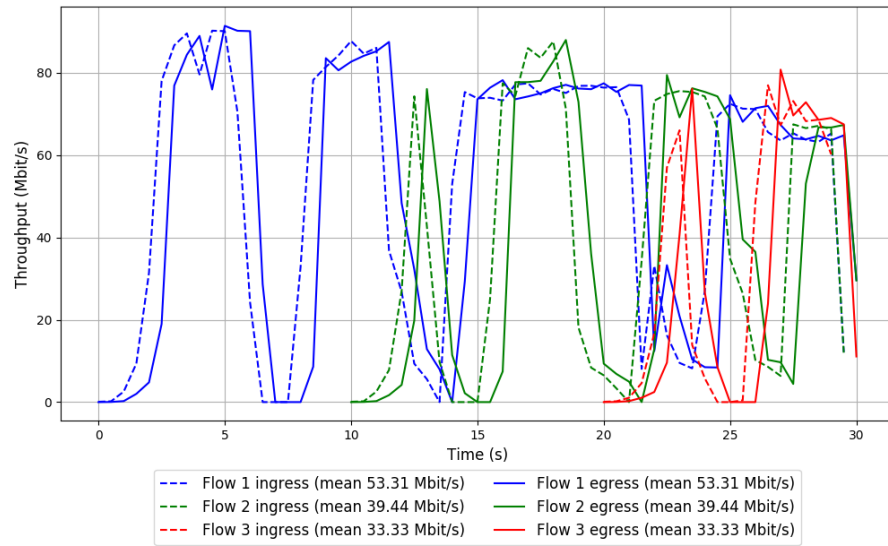


Run 8: Statistics of QUIC Cubic

Start at: 2018-08-02 10:20:00
End at: 2018-08-02 10:20:30
Local clock offset: -7.698 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-08-02 13:33:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.04 Mbit/s
95th percentile per-packet one-way delay: 136.375 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.31 Mbit/s
95th percentile per-packet one-way delay: 136.237 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.44 Mbit/s
95th percentile per-packet one-way delay: 136.232 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.33 Mbit/s
95th percentile per-packet one-way delay: 136.476 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

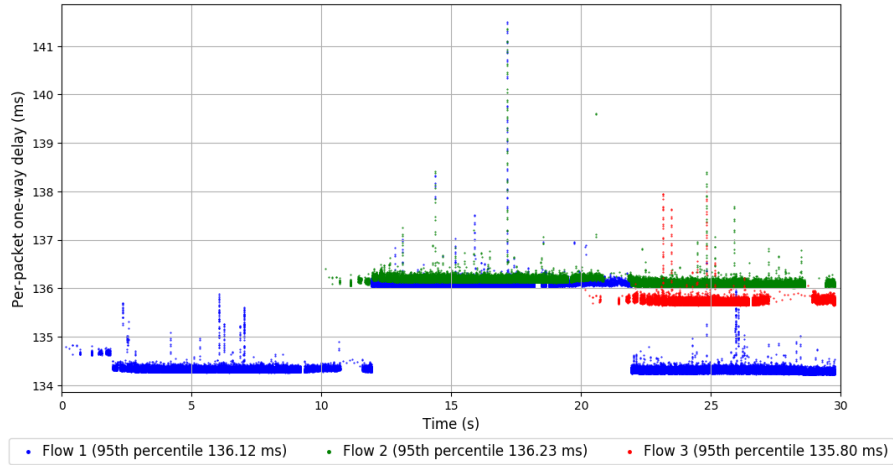
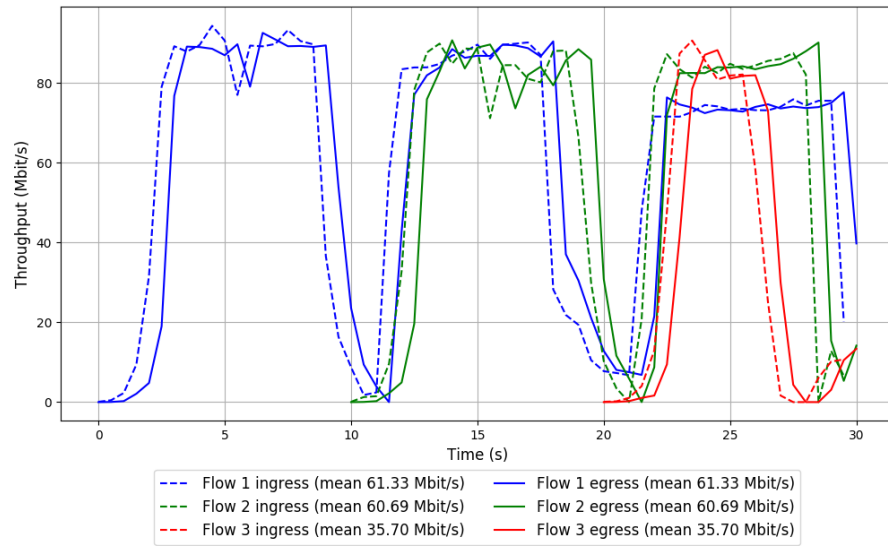


Run 9: Statistics of QUIC Cubic

Start at: 2018-08-02 10:46:32
End at: 2018-08-02 10:47:02
Local clock offset: -10.164 ms
Remote clock offset: -1.764 ms

Below is generated by plot.py at 2018-08-02 13:33:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 113.11 Mbit/s
95th percentile per-packet one-way delay: 136.202 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.33 Mbit/s
95th percentile per-packet one-way delay: 136.119 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.69 Mbit/s
95th percentile per-packet one-way delay: 136.231 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.70 Mbit/s
95th percentile per-packet one-way delay: 135.796 ms
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

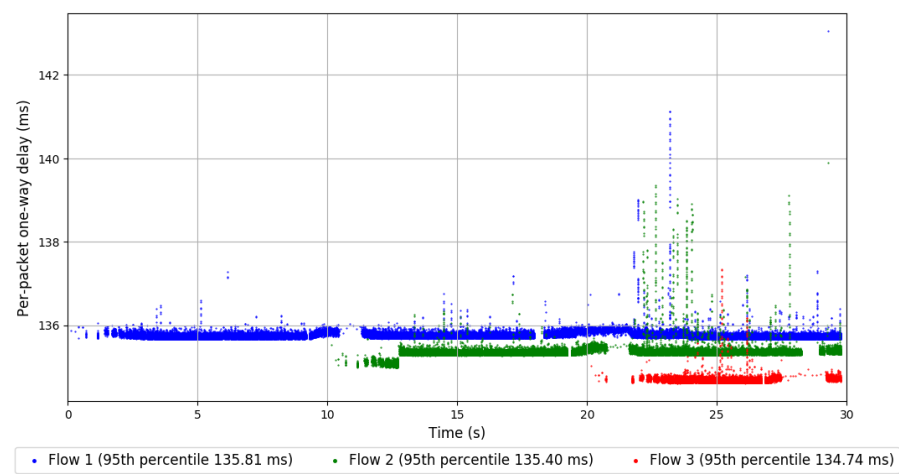
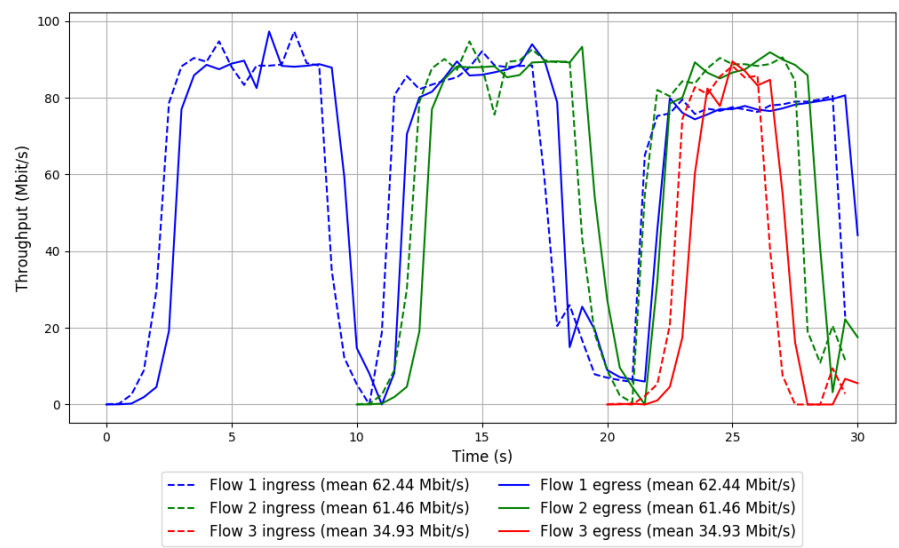


Run 10: Statistics of QUIC Cubic

Start at: 2018-08-02 11:14:10
End at: 2018-08-02 11:14:40
Local clock offset: -3.363 ms
Remote clock offset: -2.718 ms

Below is generated by plot.py at 2018-08-02 13:33:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 114.47 Mbit/s
95th percentile per-packet one-way delay: 135.788 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.44 Mbit/s
95th percentile per-packet one-way delay: 135.809 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.46 Mbit/s
95th percentile per-packet one-way delay: 135.404 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.93 Mbit/s
95th percentile per-packet one-way delay: 134.742 ms
Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

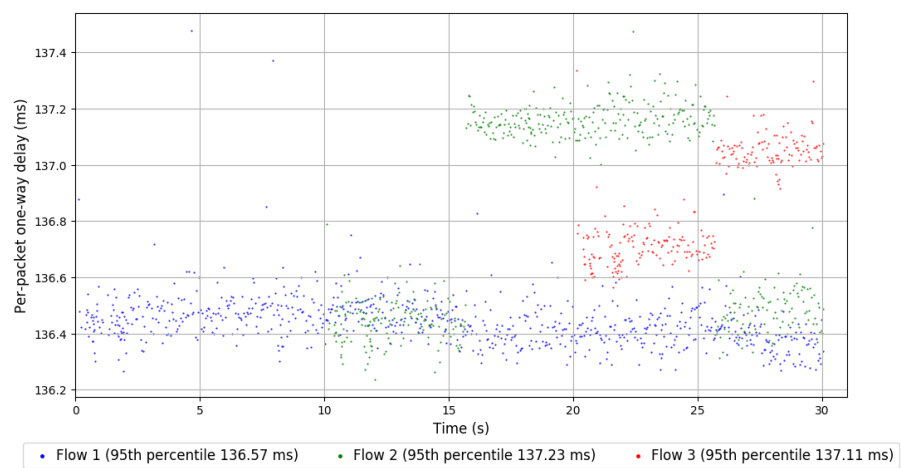
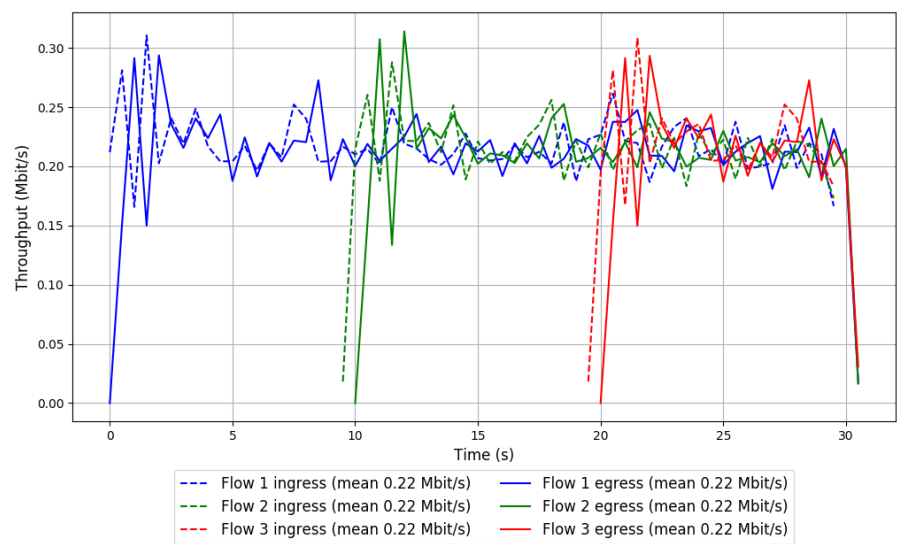


```
Run 1: Statistics of SReAM

Start at: 2018-08-02 07:06:17
End at: 2018-08-02 07:06:47
Local clock offset: -0.006 ms
Remote clock offset: 0.283 ms

# Below is generated by plot.py at 2018-08-02 13:33:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 137.187 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.569 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.229 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.106 ms
Loss rate: 0.00%
```


Run 1: Report of SCReAM — Data Link

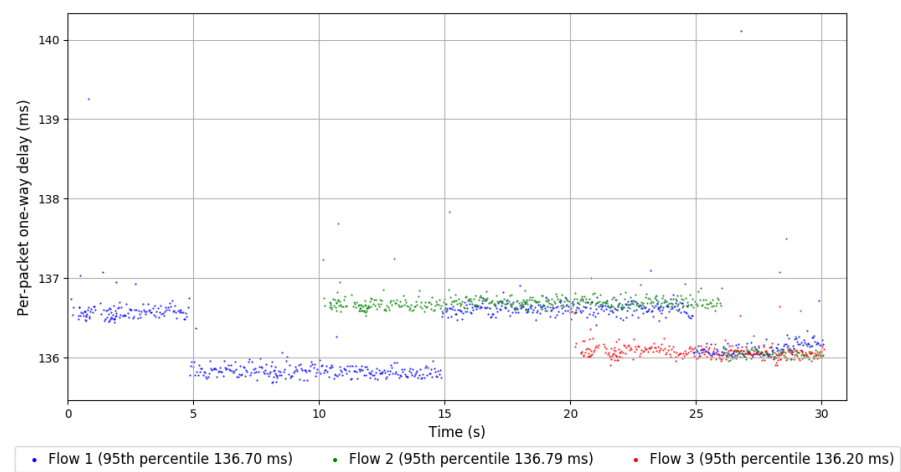
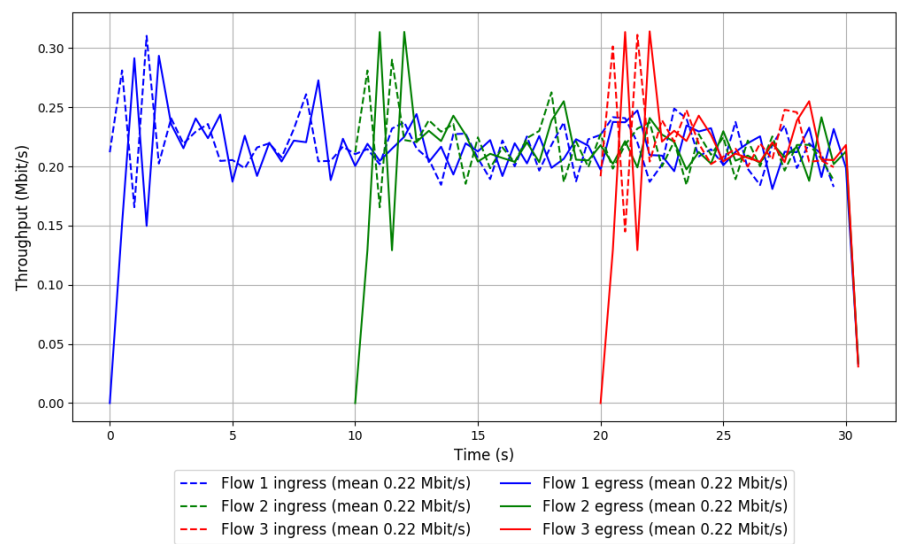


Run 2: Statistics of SReAM

Start at: 2018-08-02 07:33:38
End at: 2018-08-02 07:34:08
Local clock offset: -0.058 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-08-02 13:33:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.748 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.697 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.788 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.196 ms
Loss rate: 0.00%

Run 2: Report of SCReAM — Data Link

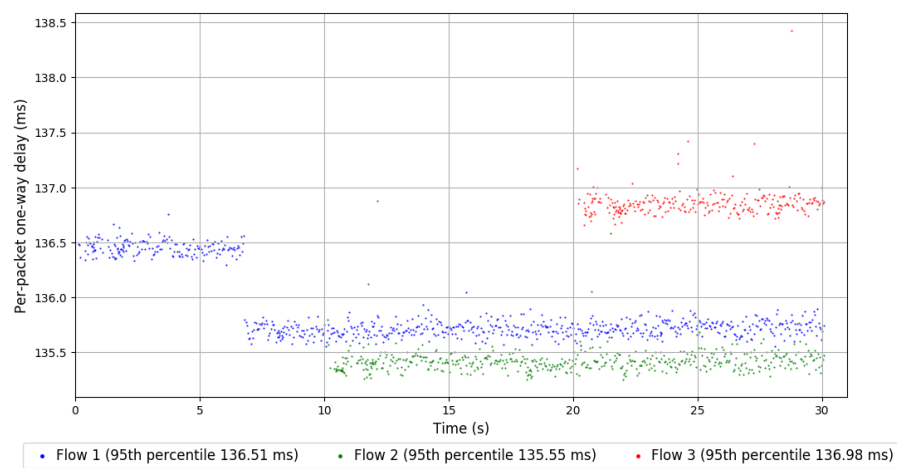
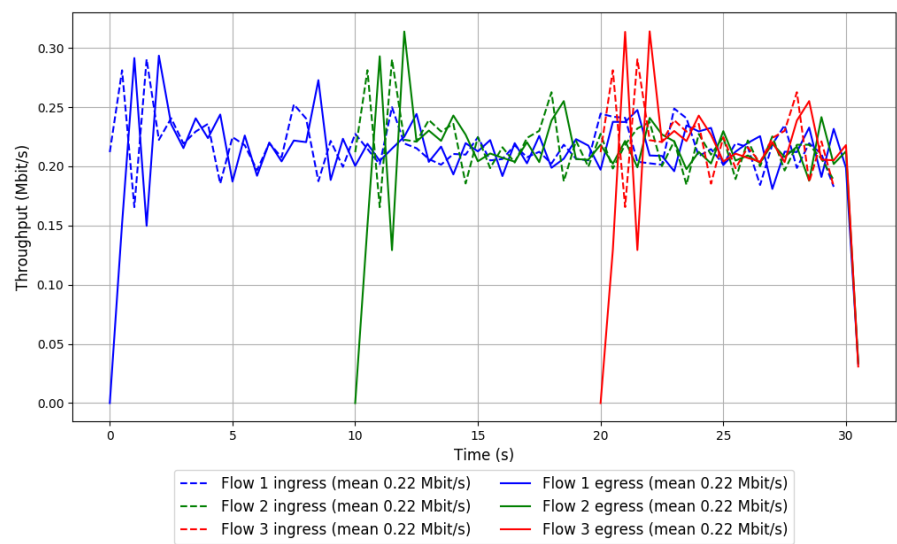


Run 3: Statistics of SReAM

Start at: 2018-08-02 08:00:47
End at: 2018-08-02 08:01:17
Local clock offset: 0.036 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-08-02 13:33:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.882 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.509 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.549 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.981 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

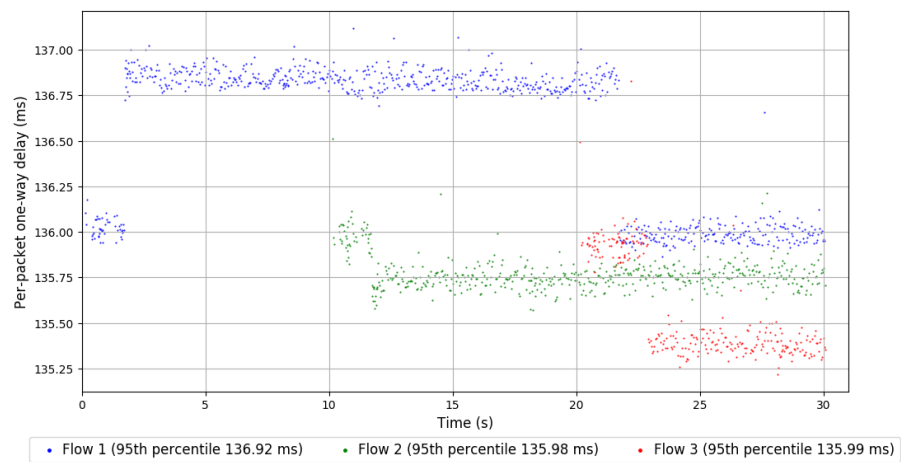
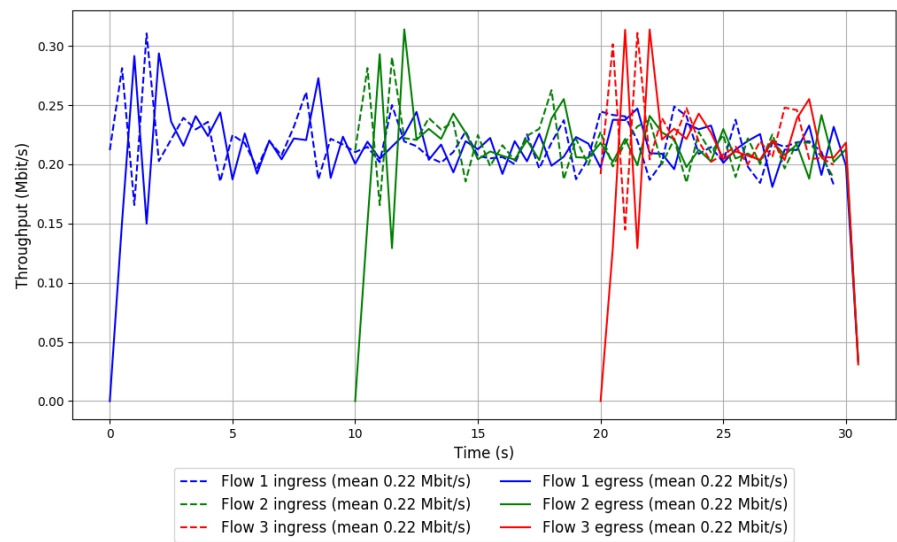


Run 4: Statistics of SReAM

Start at: 2018-08-02 08:28:01
End at: 2018-08-02 08:28:31
Local clock offset: 0.122 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-08-02 13:33:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.893 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.921 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.977 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.990 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-08-02 08:55:07

End at: 2018-08-02 08:55:37

Local clock offset: 0.162 ms

Remote clock offset: 0.234 ms

Below is generated by plot.py at 2018-08-02 13:33:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 138.072 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.480 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 138.021 ms

Loss rate: 0.00%

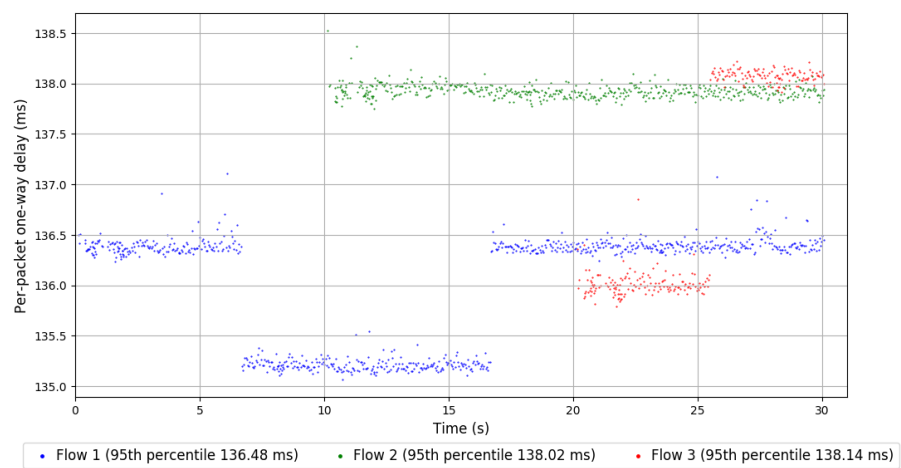
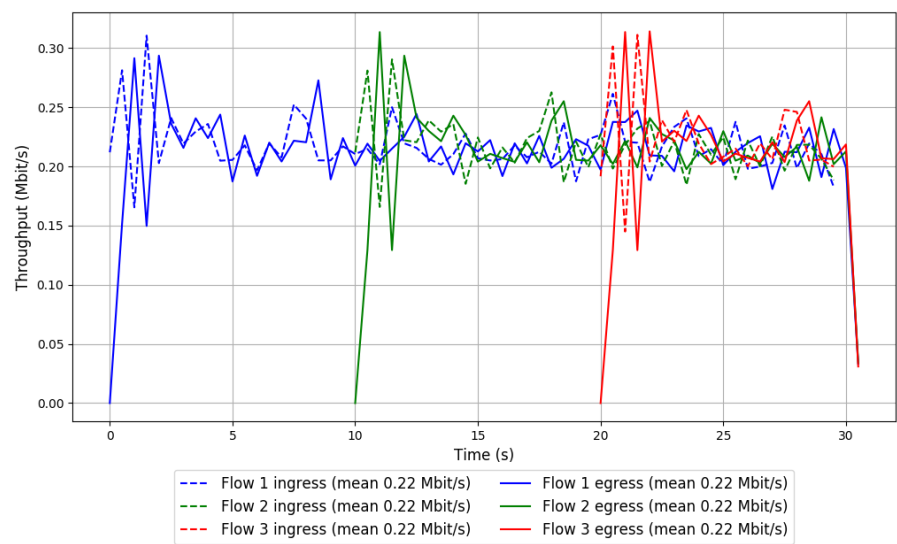
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 138.142 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-08-02 09:21:48

End at: 2018-08-02 09:22:18

Local clock offset: -0.085 ms

Remote clock offset: 0.321 ms

Below is generated by plot.py at 2018-08-02 13:33:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 138.896 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.037 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 138.940 ms

Loss rate: 0.00%

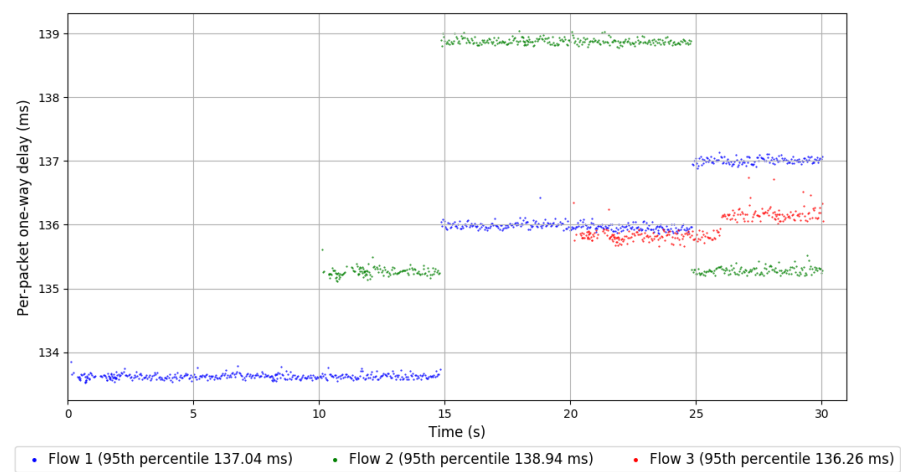
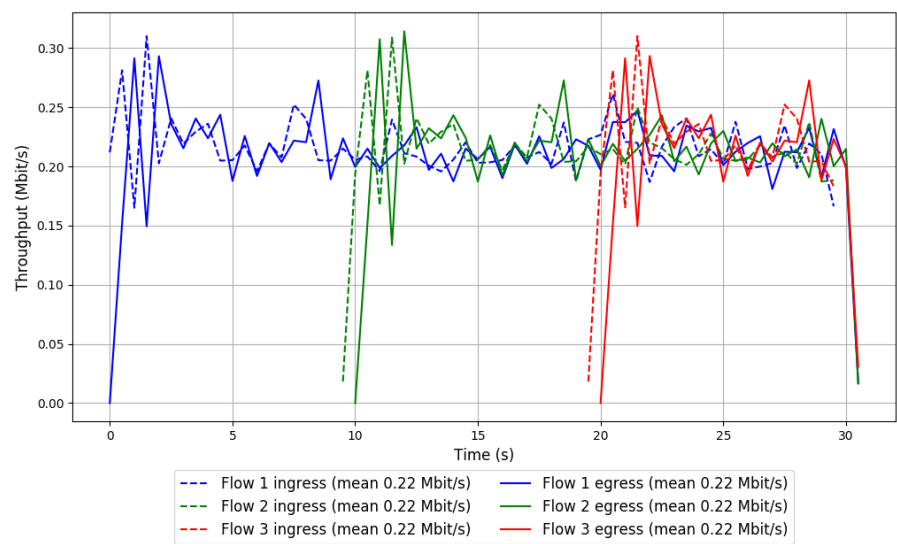
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.261 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

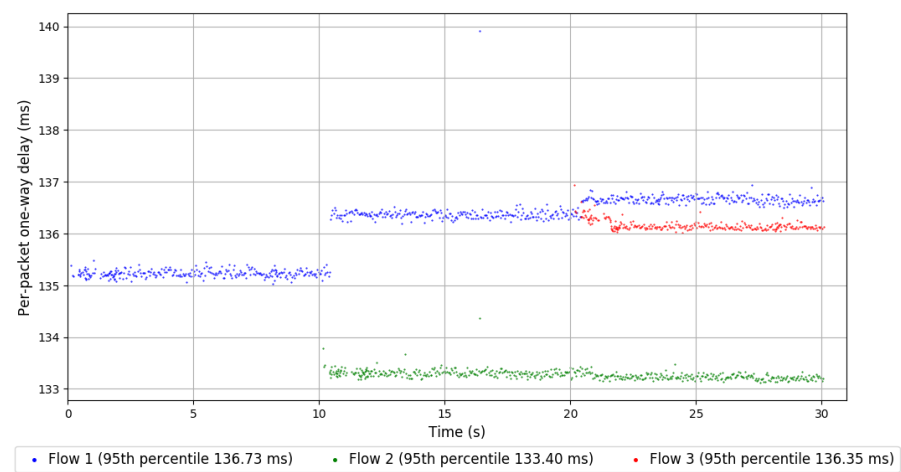
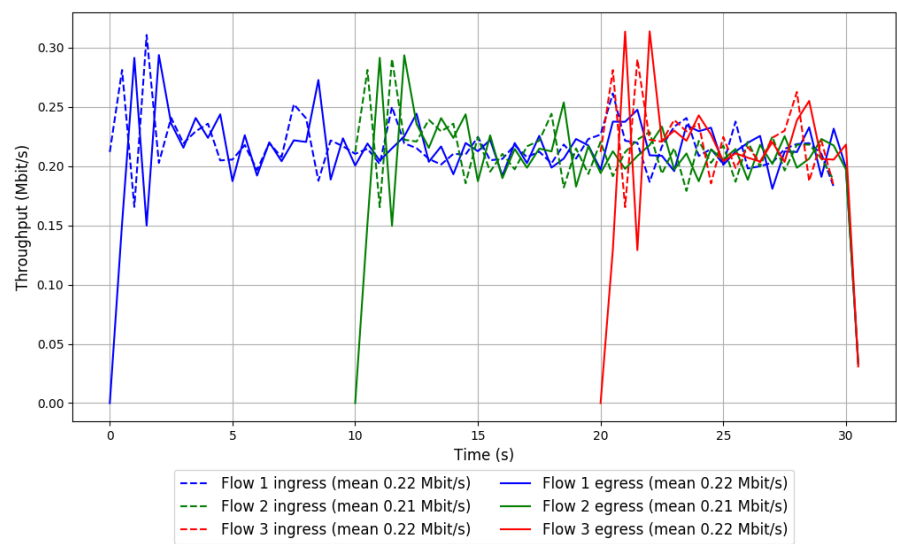


Run 7: Statistics of SReAM

Start at: 2018-08-02 09:48:12
End at: 2018-08-02 09:48:42
Local clock offset: -0.032 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-08-02 13:33:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 136.690 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.730 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 133.398 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.354 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

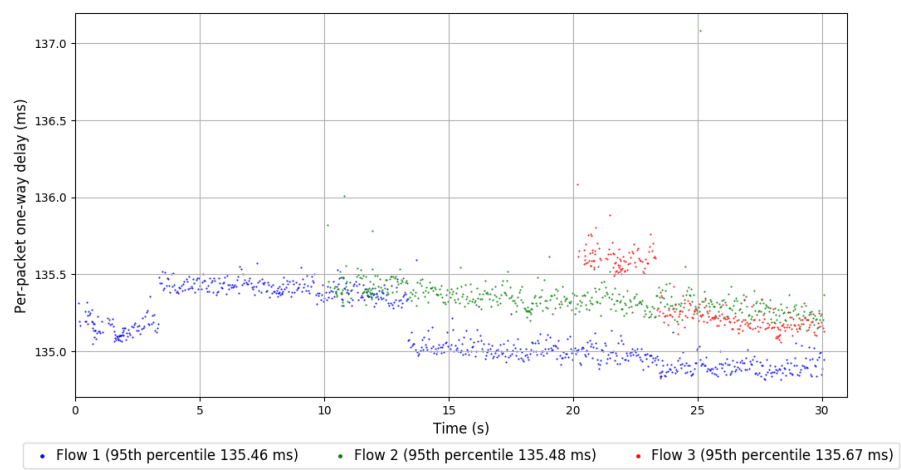
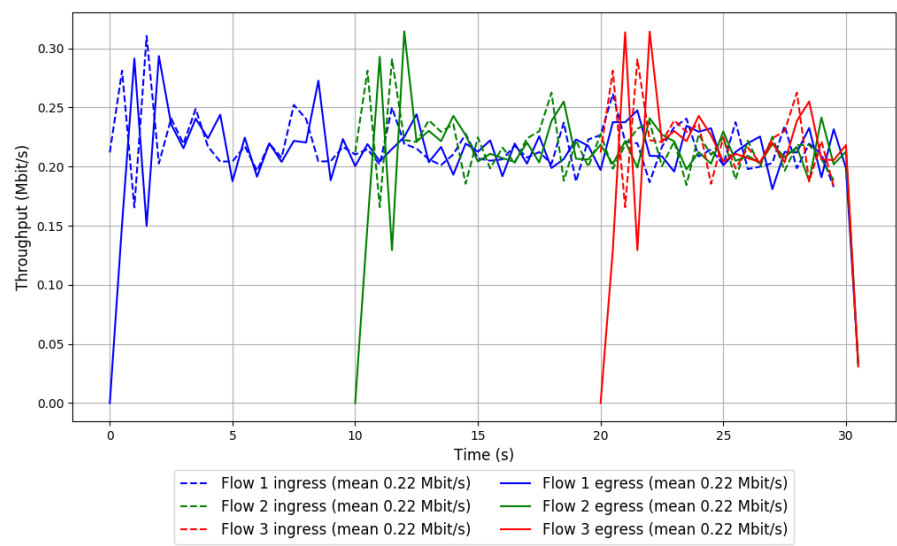


Run 8: Statistics of SCReAM

Start at: 2018-08-02 10:14:31
End at: 2018-08-02 10:15:01
Local clock offset: -9.981 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-08-02 13:33:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 135.556 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.460 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.482 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.670 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

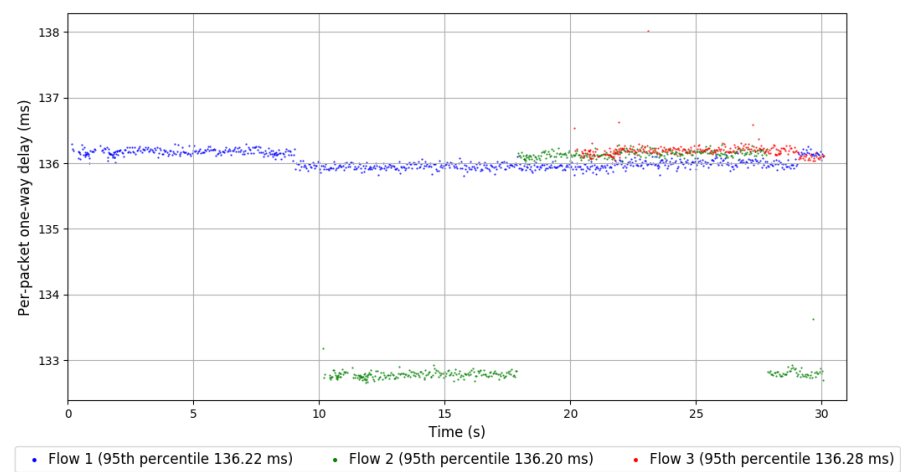
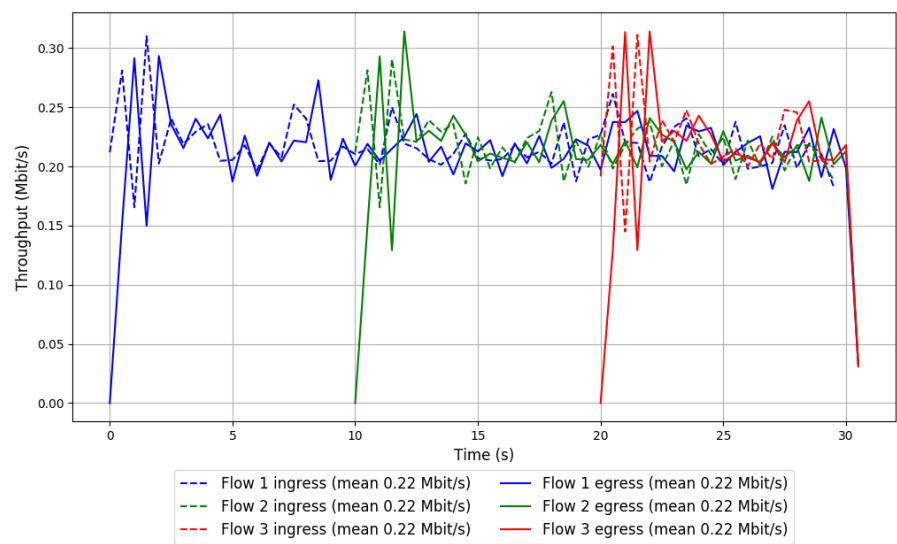


Run 9: Statistics of SReAM

Start at: 2018-08-02 10:41:05
End at: 2018-08-02 10:41:35
Local clock offset: -8.77 ms
Remote clock offset: -1.239 ms

Below is generated by plot.py at 2018-08-02 13:33:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.238 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.221 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.204 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.280 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

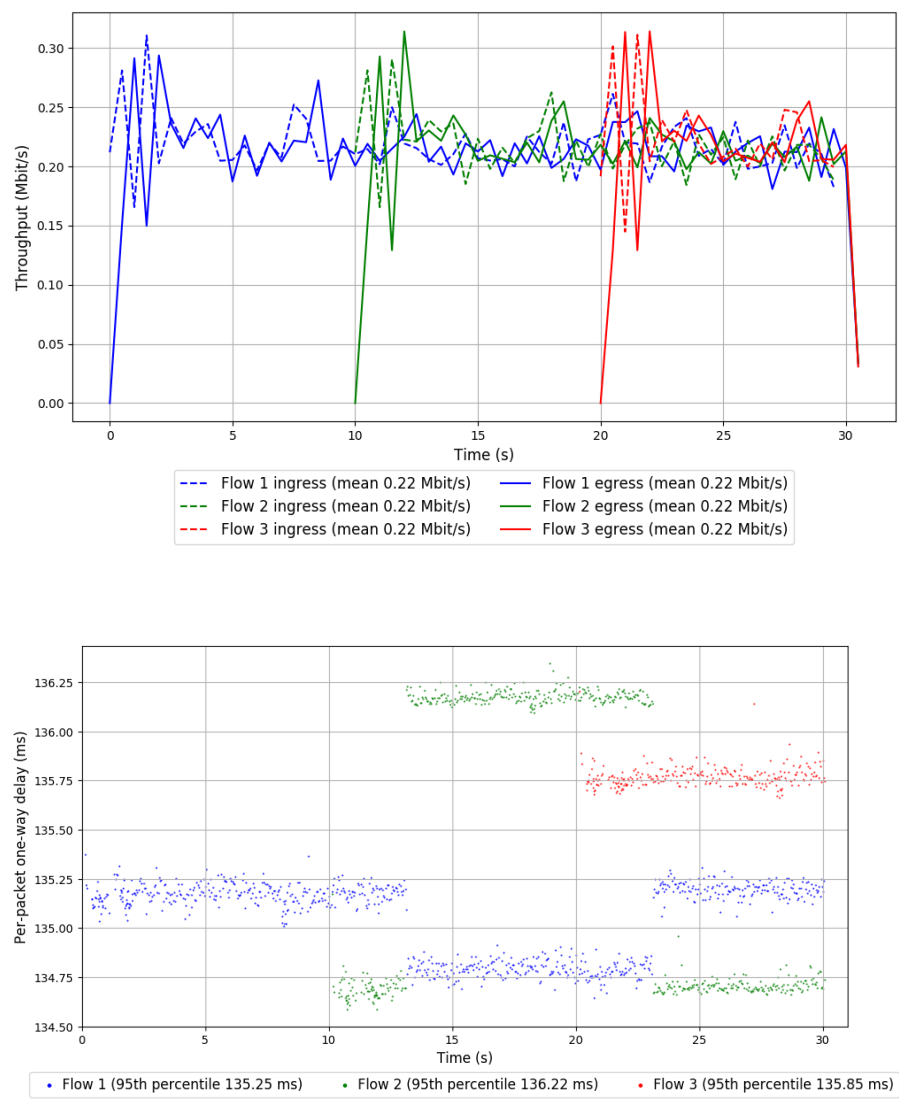


Run 10: Statistics of SReAM

Start at: 2018-08-02 11:08:41
End at: 2018-08-02 11:09:11
Local clock offset: -3.144 ms
Remote clock offset: -2.212 ms

Below is generated by plot.py at 2018-08-02 13:33:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.189 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.252 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.216 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.854 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

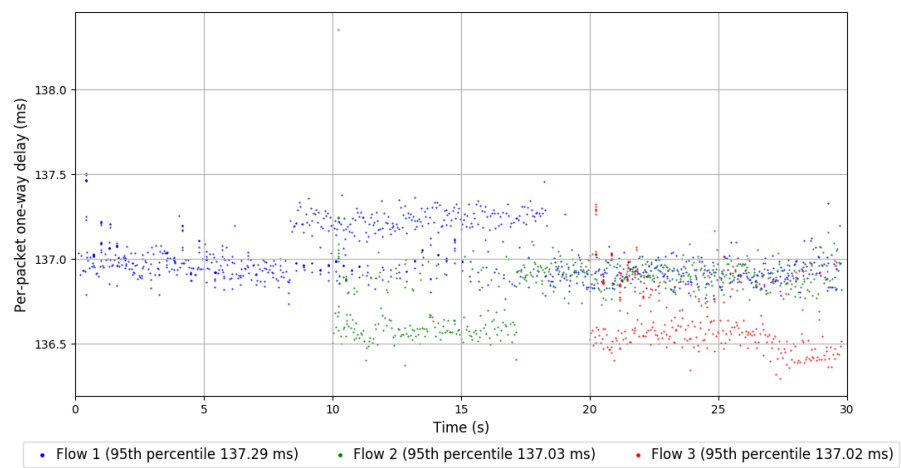
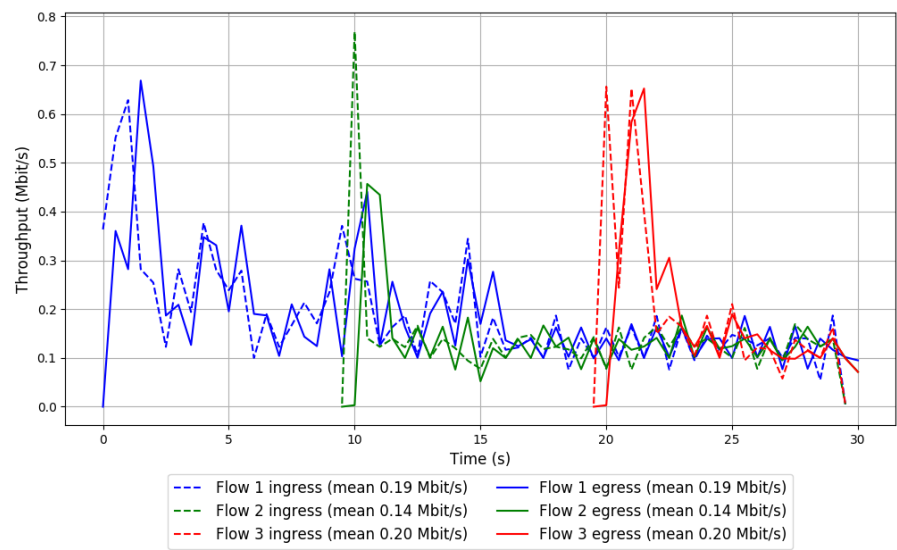


Run 1: Statistics of Sprout

Start at: 2018-08-02 06:59:45
End at: 2018-08-02 07:00:15
Local clock offset: -0.089 ms
Remote clock offset: 0.308 ms

Below is generated by plot.py at 2018-08-02 13:33:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 137.256 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 137.287 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 137.031 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 137.023 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

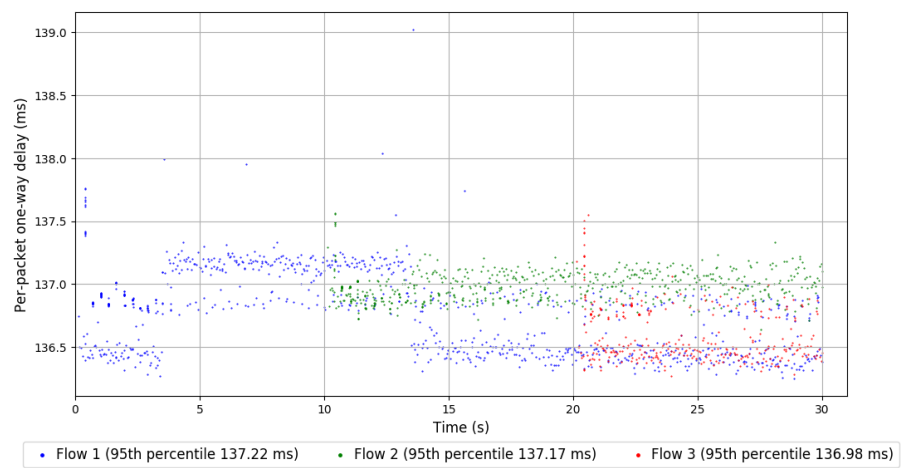
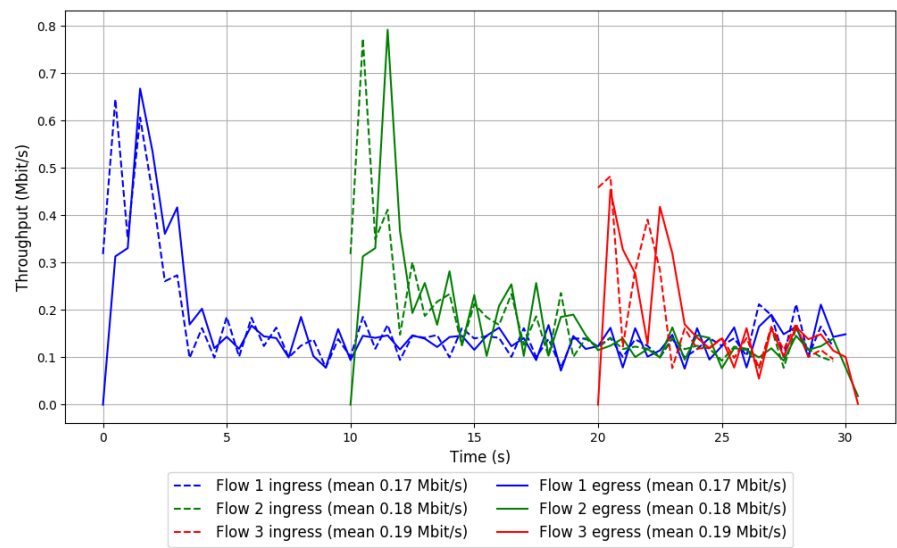


Run 2: Statistics of Sprout

Start at: 2018-08-02 07:27:00
End at: 2018-08-02 07:27:30
Local clock offset: -0.058 ms
Remote clock offset: 0.34 ms

```
# Below is generated by plot.py at 2018-08-02 13:33:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 137.202 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 137.221 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 137.172 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 136.976 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

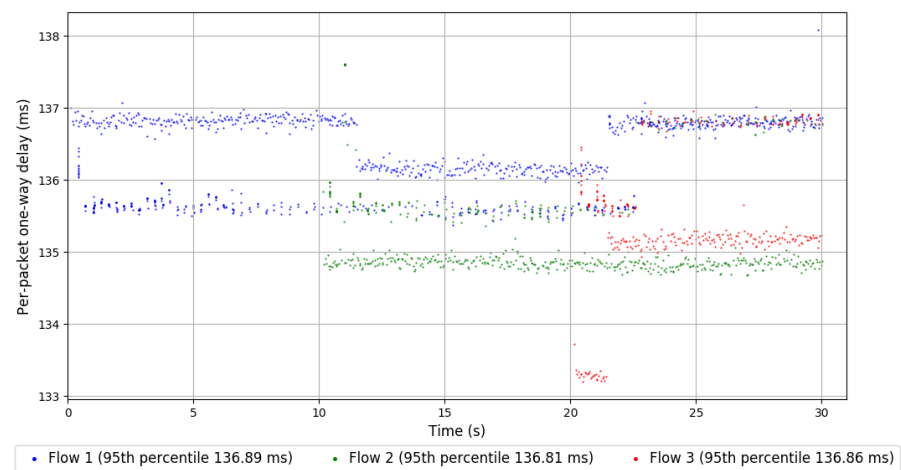
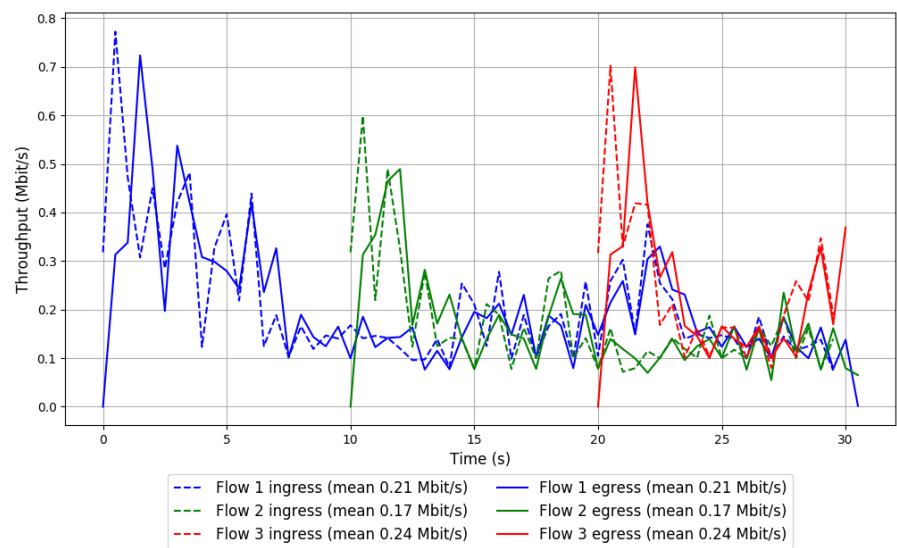


Run 3: Statistics of Sprout

Start at: 2018-08-02 07:54:11
End at: 2018-08-02 07:54:41
Local clock offset: -0.204 ms
Remote clock offset: -0.139 ms

```
# Below is generated by plot.py at 2018-08-02 13:33:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 136.873 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 136.889 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.806 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 136.861 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link

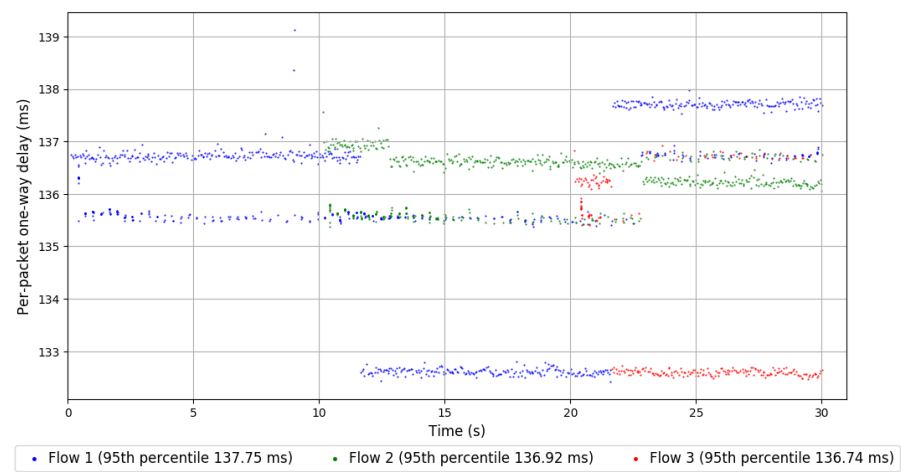
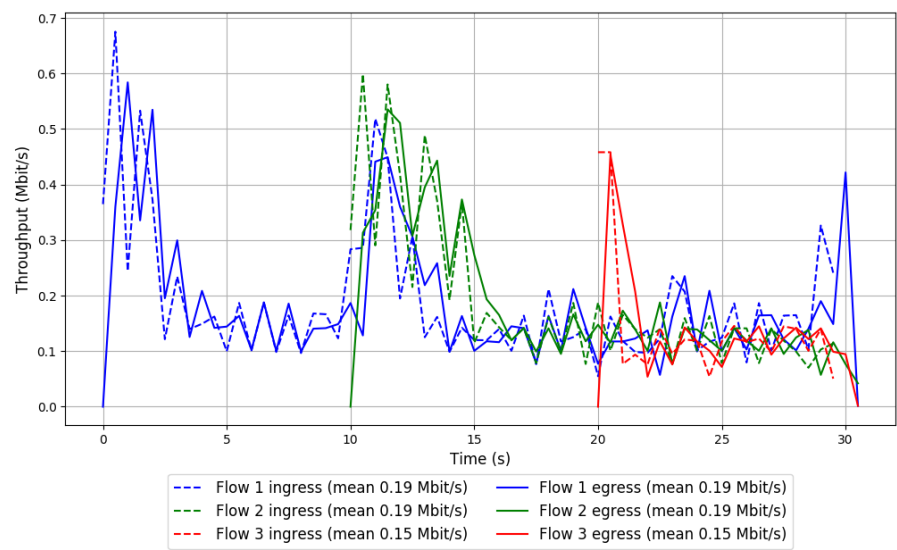


Run 4: Statistics of Sprout

Start at: 2018-08-02 08:21:21
End at: 2018-08-02 08:21:51
Local clock offset: -0.062 ms
Remote clock offset: -0.051 ms

```
# Below is generated by plot.py at 2018-08-02 13:33:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 137.702 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 137.749 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 136.921 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.739 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

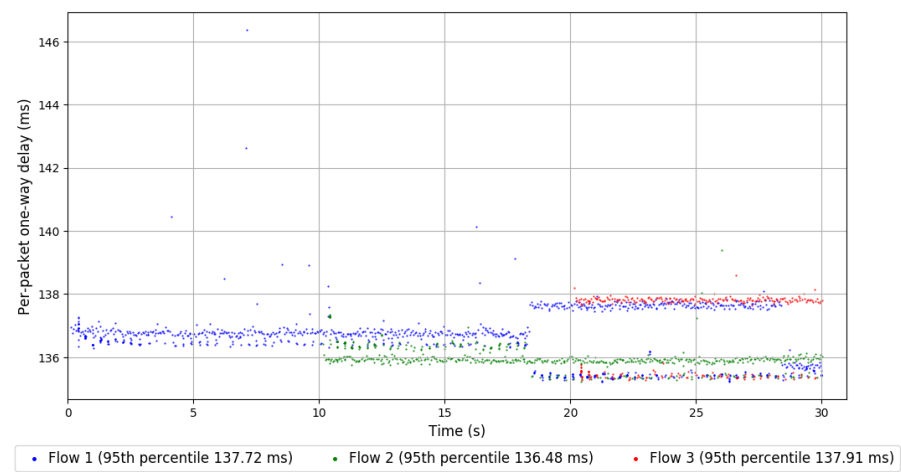
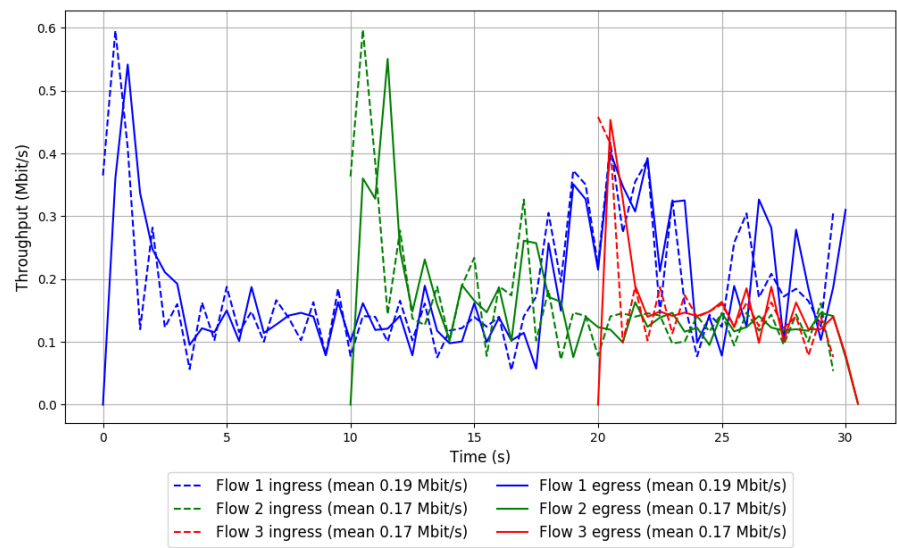


Run 5: Statistics of Sprout

Start at: 2018-08-02 08:48:25
End at: 2018-08-02 08:48:55
Local clock offset: 0.035 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-08-02 13:33:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 137.832 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 137.721 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.484 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 137.910 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

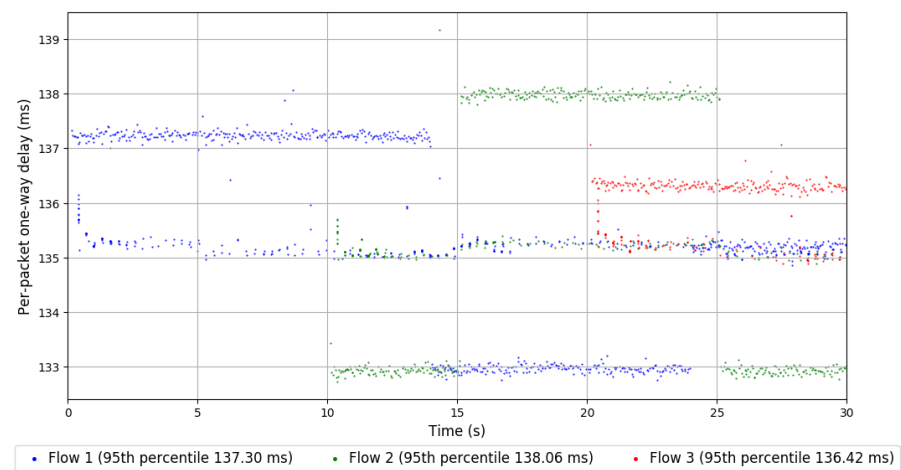
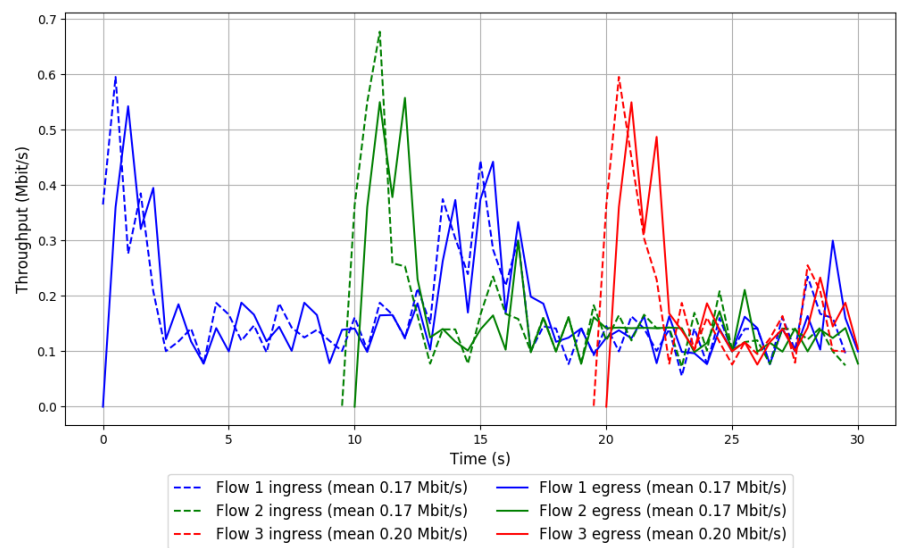


Run 6: Statistics of Sprout

Start at: 2018-08-02 09:15:09
End at: 2018-08-02 09:15:39
Local clock offset: 0.038 ms
Remote clock offset: -0.367 ms

```
# Below is generated by plot.py at 2018-08-02 13:33:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 137.990 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 137.298 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 138.060 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 136.419 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

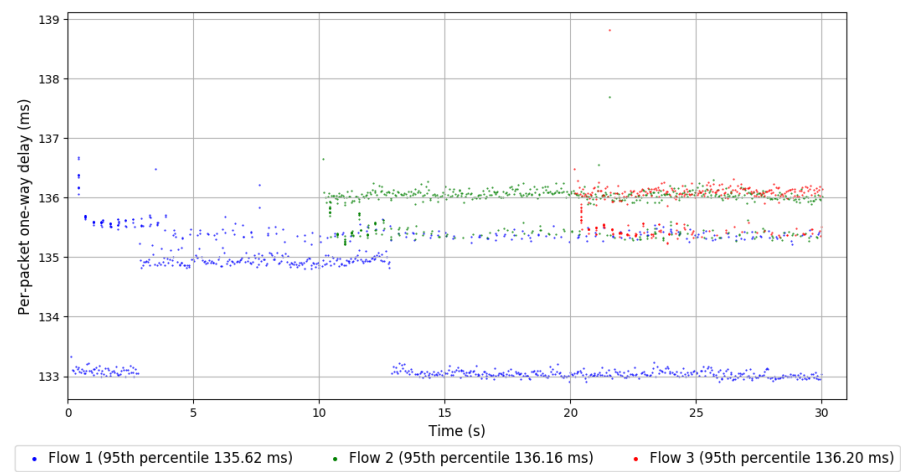
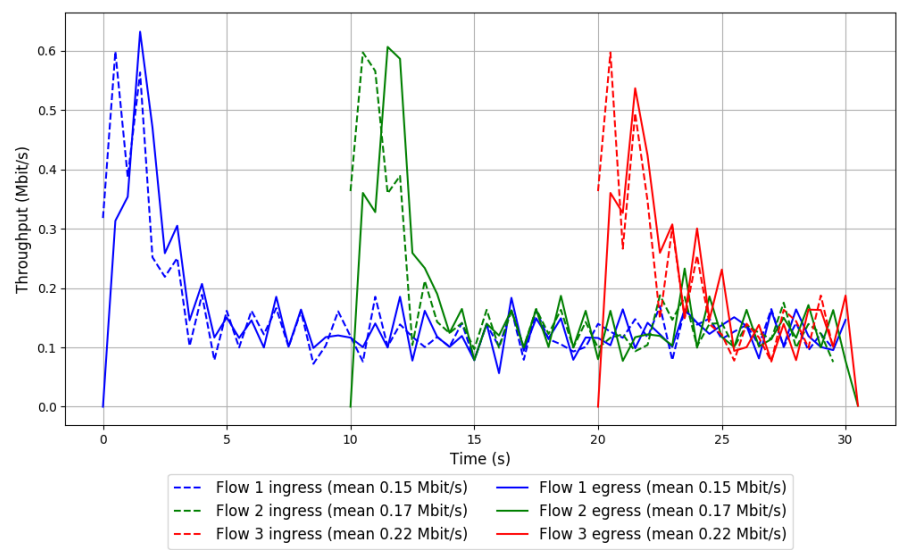


Run 7: Statistics of Sprout

Start at: 2018-08-02 09:41:40
End at: 2018-08-02 09:42:10
Local clock offset: 0.044 ms
Remote clock offset: 0.023 ms

```
# Below is generated by plot.py at 2018-08-02 13:33:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 136.151 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 135.617 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.161 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.202 ms
Loss rate: 0.00%
```


Run 7: Report of Sprout — Data Link

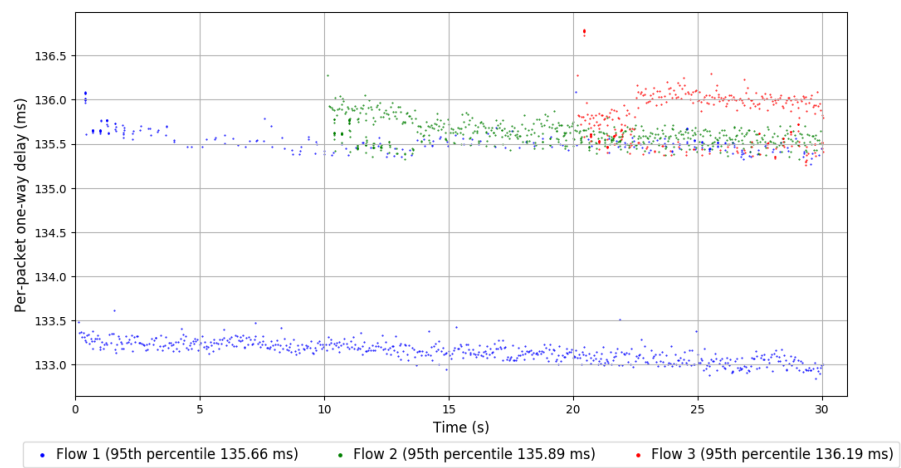
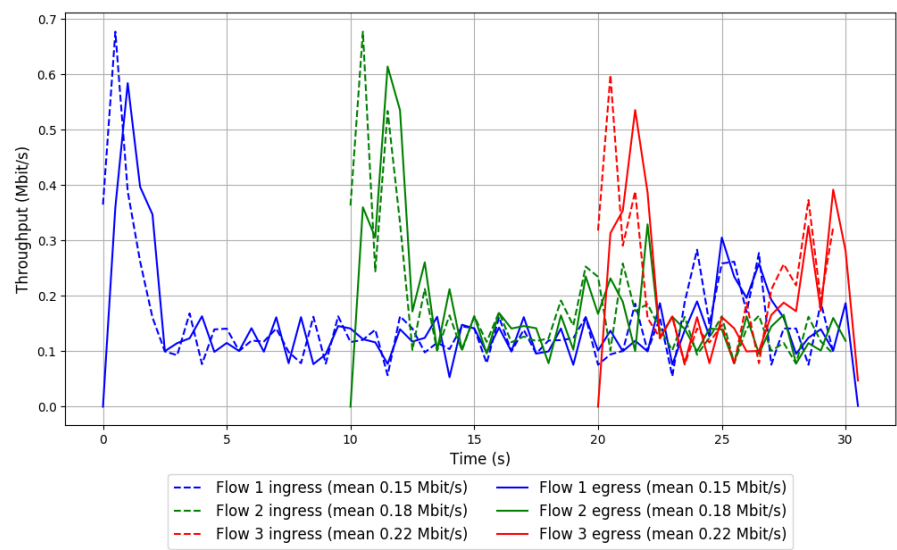


Run 8: Statistics of Sprout

Start at: 2018-08-02 10:08:00
End at: 2018-08-02 10:08:30
Local clock offset: -6.39 ms
Remote clock offset: 0.228 ms

```
# Below is generated by plot.py at 2018-08-02 13:33:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 136.021 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 135.659 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 135.890 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.191 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

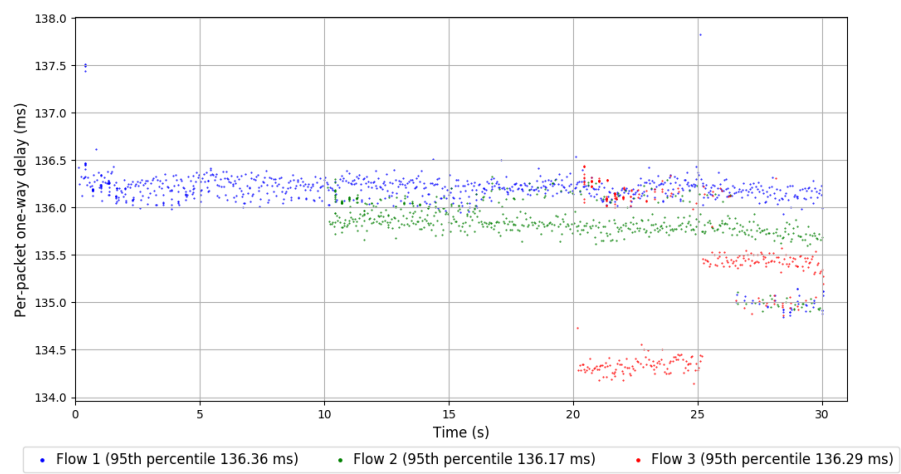
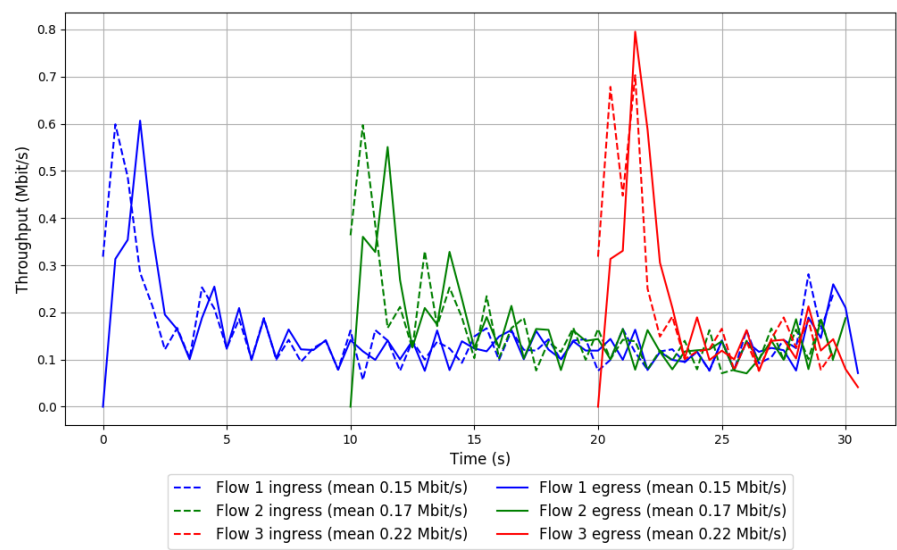


Run 9: Statistics of Sprout

Start at: 2018-08-02 10:34:27
End at: 2018-08-02 10:34:57
Local clock offset: -7.016 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-08-02 13:33:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 136.325 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.360 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.174 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.286 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

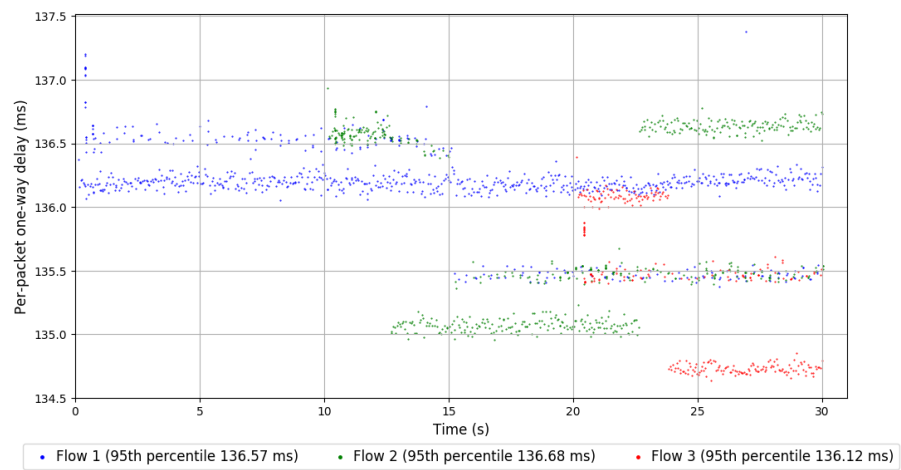
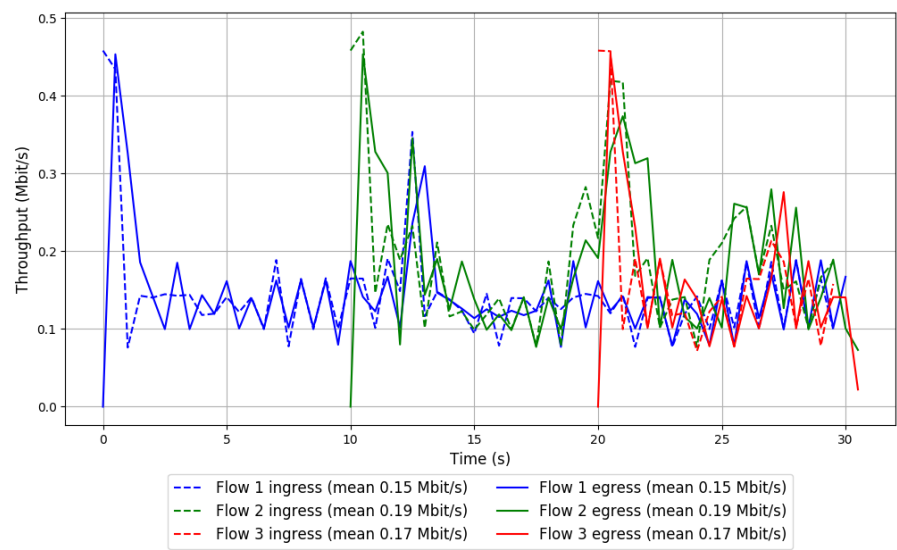


Run 10: Statistics of Sprout

Start at: 2018-08-02 11:02:00
End at: 2018-08-02 11:02:30
Local clock offset: -4.039 ms
Remote clock offset: -1.722 ms

Below is generated by plot.py at 2018-08-02 13:33:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 136.655 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.572 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 136.684 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.125 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

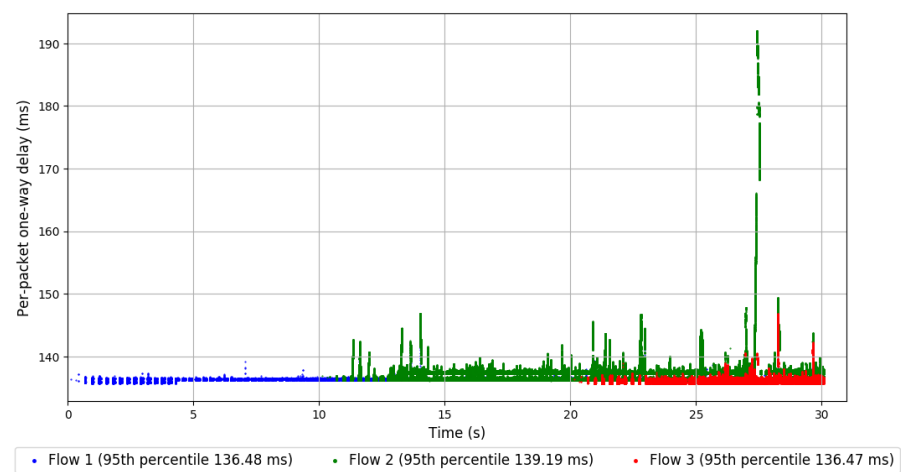
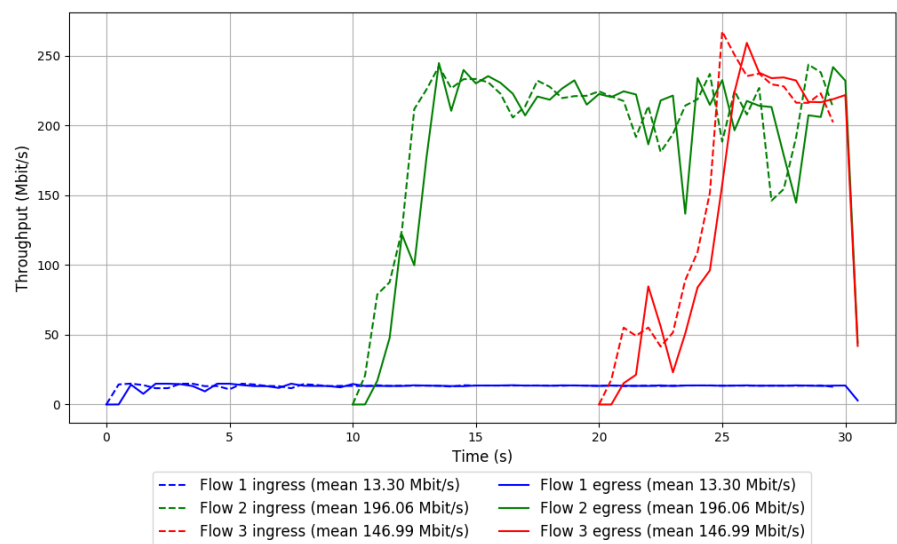


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-02 07:23:29
End at: 2018-08-02 07:24:00
Local clock offset: -0.078 ms
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2018-08-02 13:33:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 192.77 Mbit/s
95th percentile per-packet one-way delay: 138.252 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.30 Mbit/s
95th percentile per-packet one-way delay: 136.482 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 196.06 Mbit/s
95th percentile per-packet one-way delay: 139.189 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 146.99 Mbit/s
95th percentile per-packet one-way delay: 136.475 ms
Loss rate: 0.00%
```


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

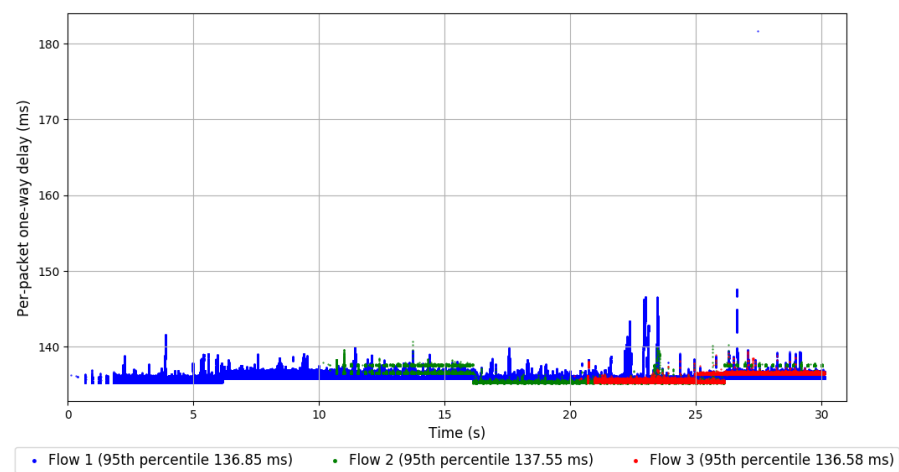
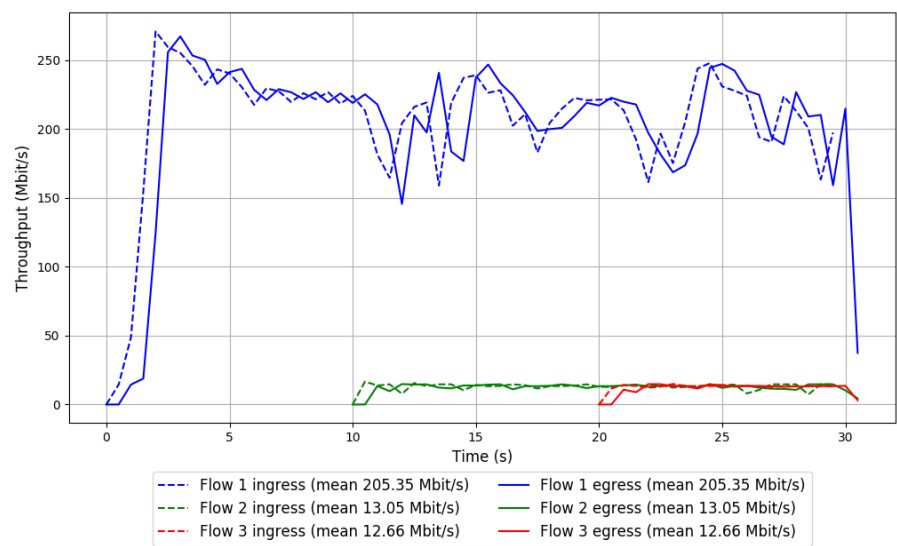


Run 2: Statistics of TaoVA-100x

Start at: 2018-08-02 07:50:38
End at: 2018-08-02 07:51:08
Local clock offset: -0.057 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-08-02 13:33:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 218.20 Mbit/s
95th percentile per-packet one-way delay: 136.962 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 205.35 Mbit/s
95th percentile per-packet one-way delay: 136.846 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.05 Mbit/s
95th percentile per-packet one-way delay: 137.552 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.66 Mbit/s
95th percentile per-packet one-way delay: 136.581 ms
Loss rate: 0.01%

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

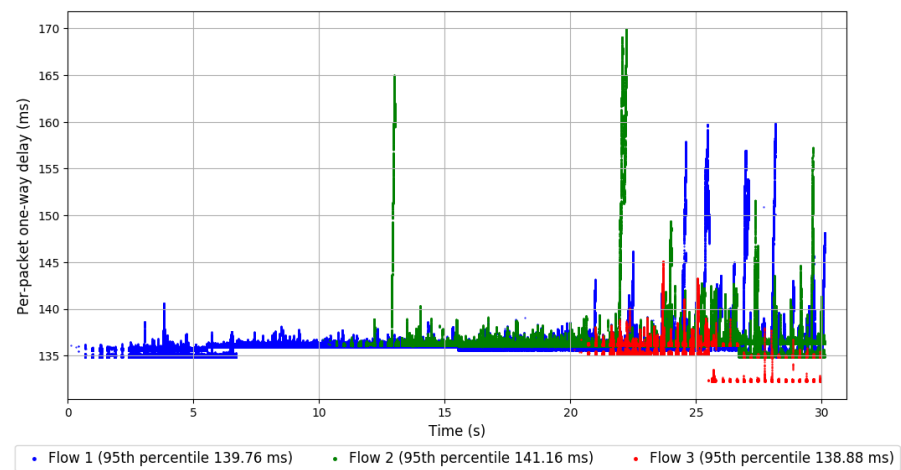
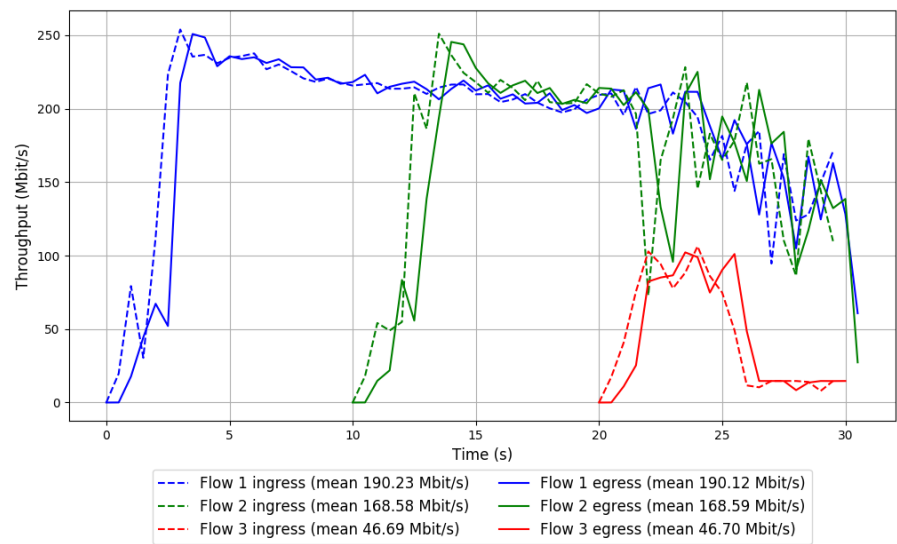


Run 3: Statistics of TaoVA-100x

Start at: 2018-08-02 08:17:37
End at: 2018-08-02 08:18:07
Local clock offset: 0.328 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-08-02 13:35:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 317.69 Mbit/s
95th percentile per-packet one-way delay: 140.301 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 190.12 Mbit/s
95th percentile per-packet one-way delay: 139.762 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 168.59 Mbit/s
95th percentile per-packet one-way delay: 141.157 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 46.70 Mbit/s
95th percentile per-packet one-way delay: 138.884 ms
Loss rate: 0.00%

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

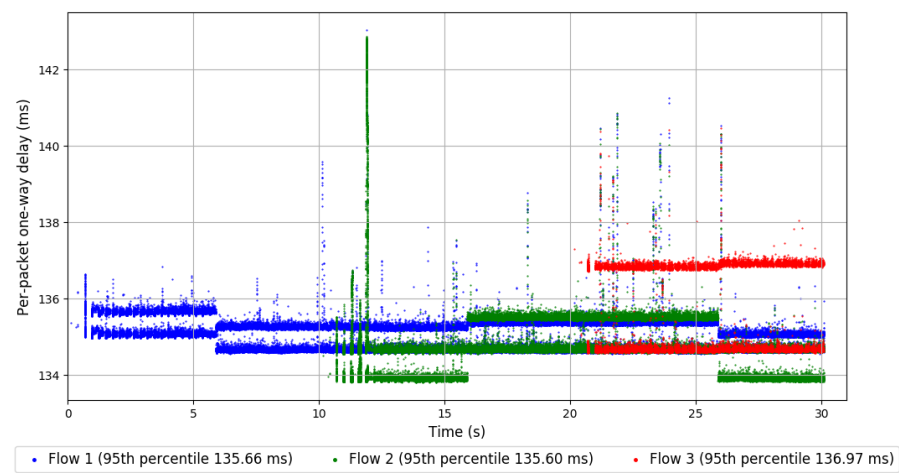
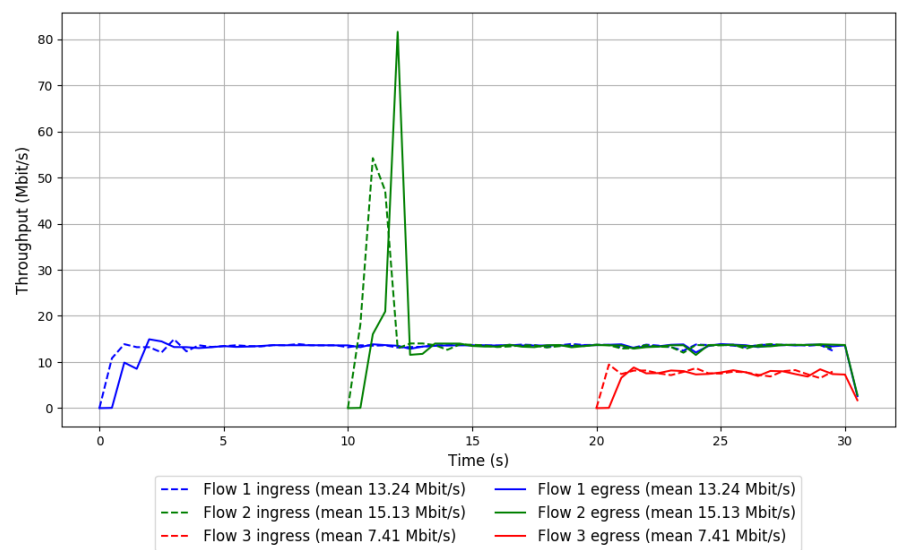


Run 4: Statistics of TaoVA-100x

Start at: 2018-08-02 08:45:18
End at: 2018-08-02 08:45:48
Local clock offset: 0.207 ms
Remote clock offset: -0.462 ms

Below is generated by plot.py at 2018-08-02 13:35:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 25.77 Mbit/s
95th percentile per-packet one-way delay: 136.816 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.24 Mbit/s
95th percentile per-packet one-way delay: 135.658 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.13 Mbit/s
95th percentile per-packet one-way delay: 135.605 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.41 Mbit/s
95th percentile per-packet one-way delay: 136.973 ms
Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-02 09:11:56

End at: 2018-08-02 09:12:26

Local clock offset: -0.057 ms

Remote clock offset: 0.336 ms

Below is generated by plot.py at 2018-08-02 13:35:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.15 Mbit/s

95th percentile per-packet one-way delay: 138.650 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 10.52 Mbit/s

95th percentile per-packet one-way delay: 138.698 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 6.61 Mbit/s

95th percentile per-packet one-way delay: 138.029 ms

Loss rate: 0.00%

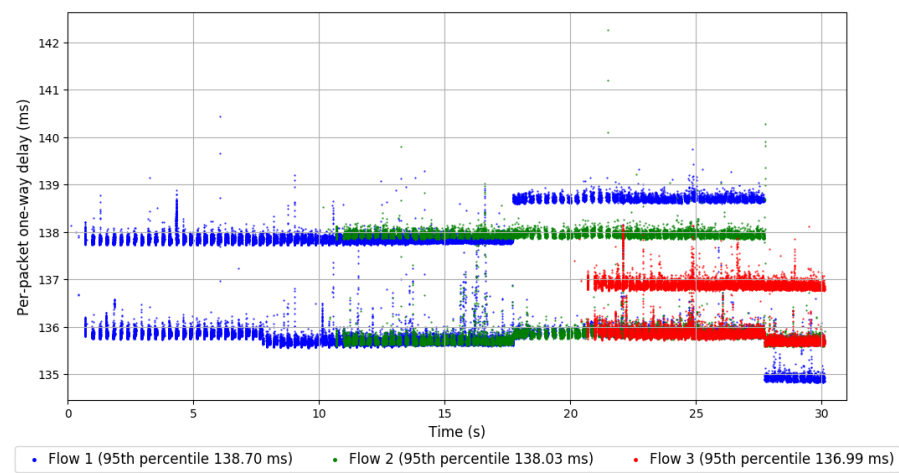
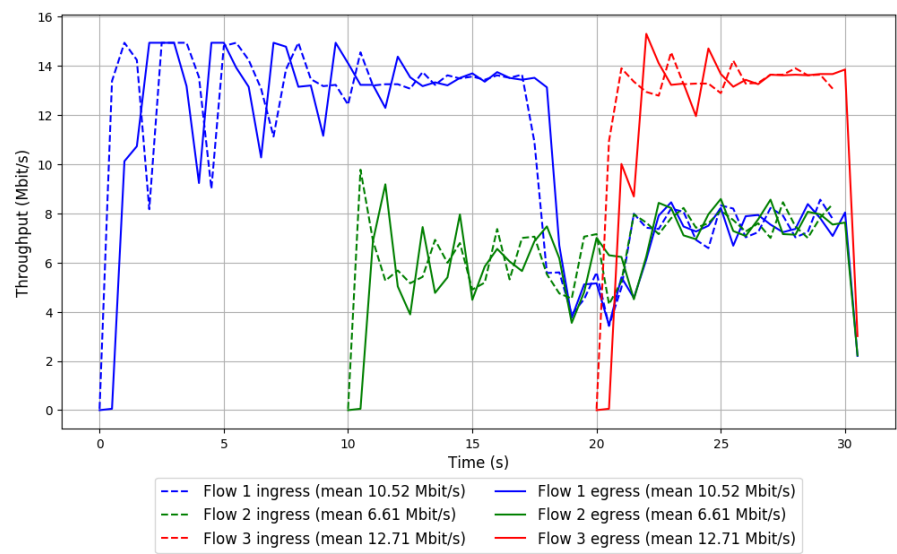
-- Flow 3:

Average throughput: 12.71 Mbit/s

95th percentile per-packet one-way delay: 136.994 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-02 09:38:28

End at: 2018-08-02 09:38:58

Local clock offset: -0.128 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-08-02 13:35:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 106.91 Mbit/s

95th percentile per-packet one-way delay: 137.574 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 13.34 Mbit/s

95th percentile per-packet one-way delay: 135.468 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 136.94 Mbit/s

95th percentile per-packet one-way delay: 137.890 ms

Loss rate: 0.00%

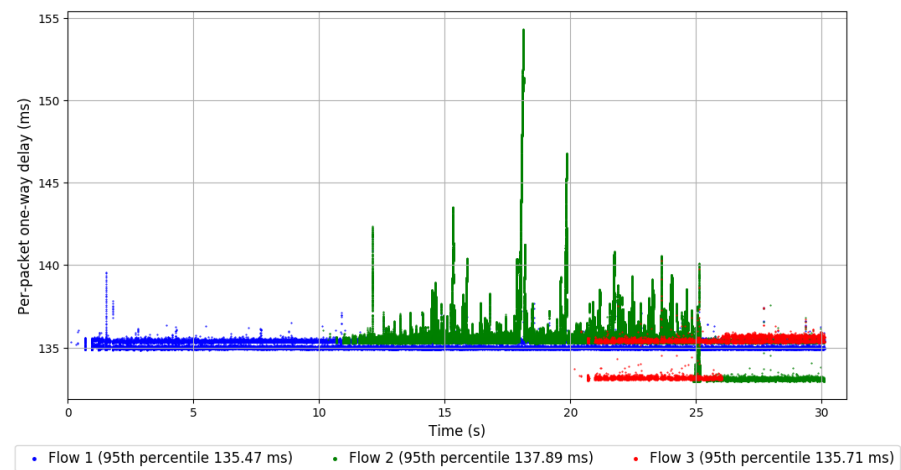
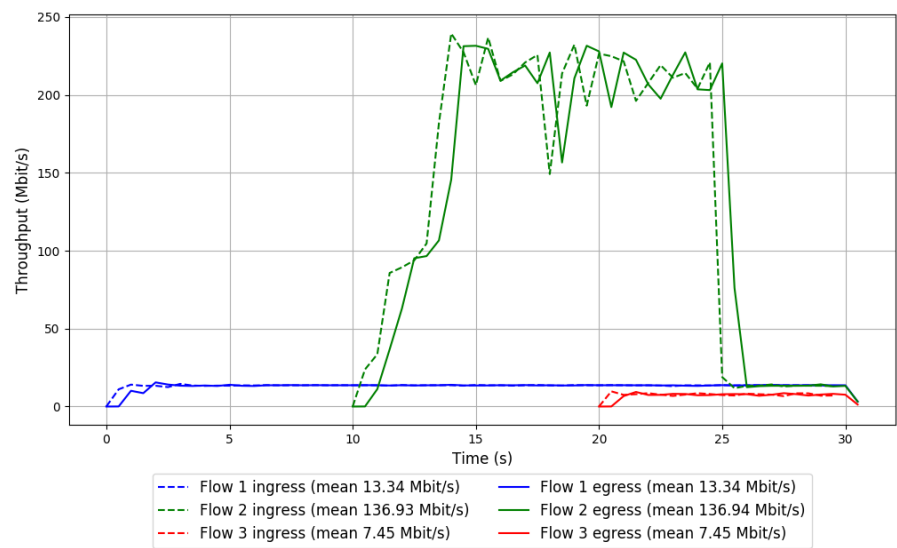
-- Flow 3:

Average throughput: 7.45 Mbit/s

95th percentile per-packet one-way delay: 135.712 ms

Loss rate: 0.02%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-08-02 10:04:54

End at: 2018-08-02 10:05:24

Local clock offset: -4.503 ms

Remote clock offset: 0.239 ms

Below is generated by plot.py at 2018-08-02 13:35:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.04 Mbit/s

95th percentile per-packet one-way delay: 135.792 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.61 Mbit/s

95th percentile per-packet one-way delay: 135.772 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 13.38 Mbit/s

95th percentile per-packet one-way delay: 135.817 ms

Loss rate: 0.00%

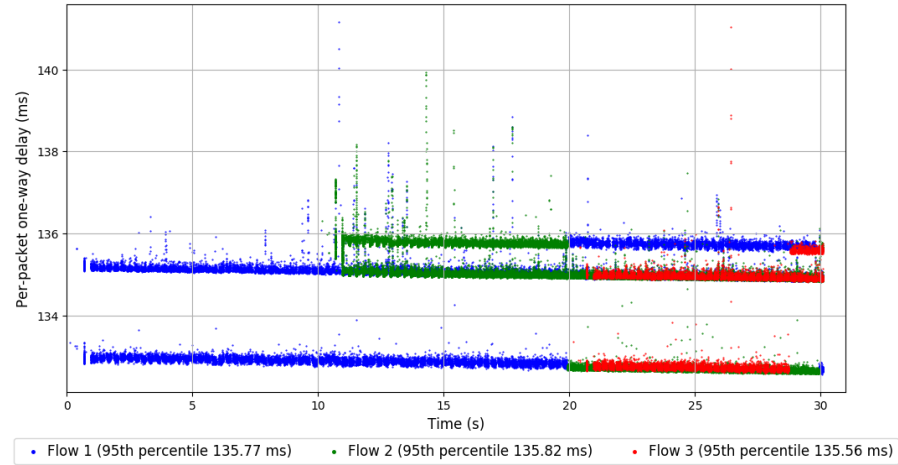
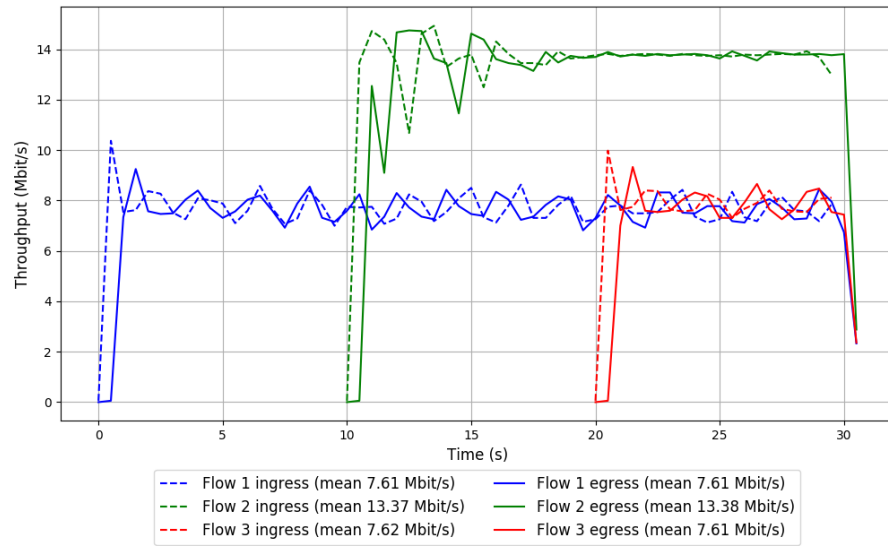
-- Flow 3:

Average throughput: 7.61 Mbit/s

95th percentile per-packet one-way delay: 135.559 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-08-02 10:31:00

End at: 2018-08-02 10:31:30

Local clock offset: -6.442 ms

Remote clock offset: 0.252 ms

Below is generated by plot.py at 2018-08-02 13:35:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 150.21 Mbit/s

95th percentile per-packet one-way delay: 135.563 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 13.29 Mbit/s

95th percentile per-packet one-way delay: 135.492 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 201.85 Mbit/s

95th percentile per-packet one-way delay: 135.549 ms

Loss rate: 0.00%

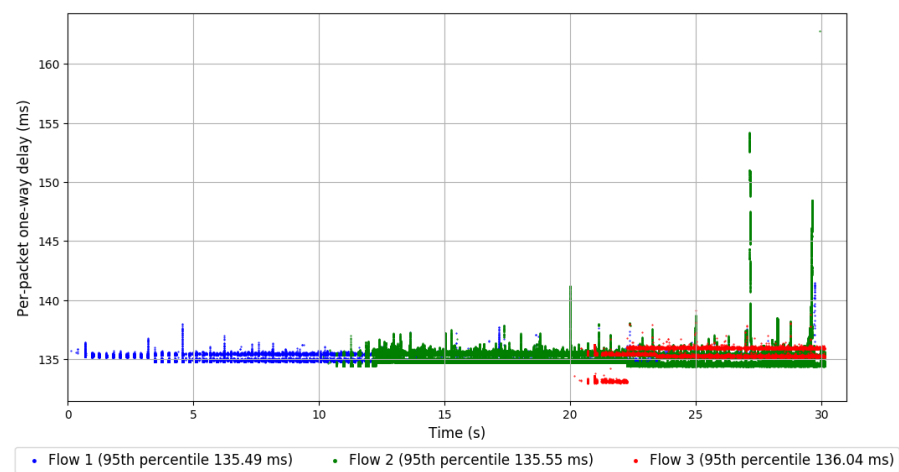
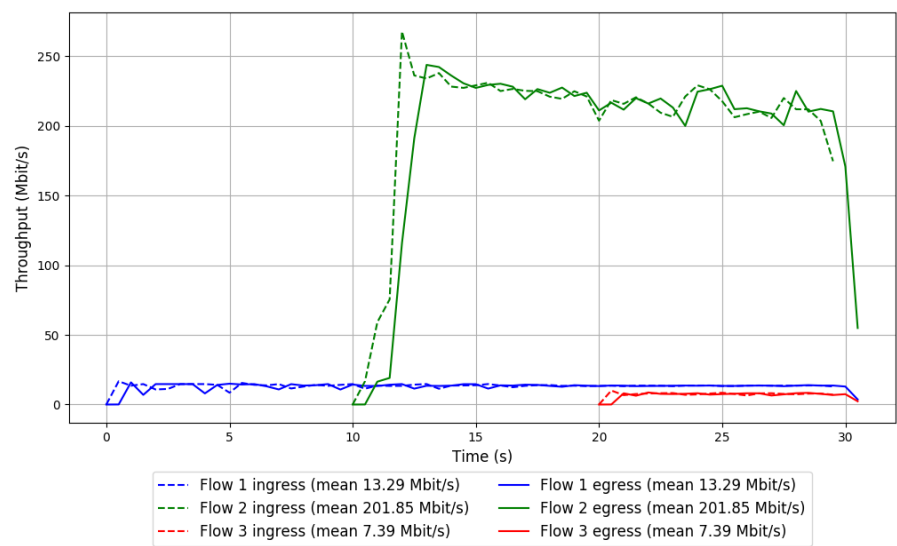
-- Flow 3:

Average throughput: 7.39 Mbit/s

95th percentile per-packet one-way delay: 136.044 ms

Loss rate: 0.00%

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

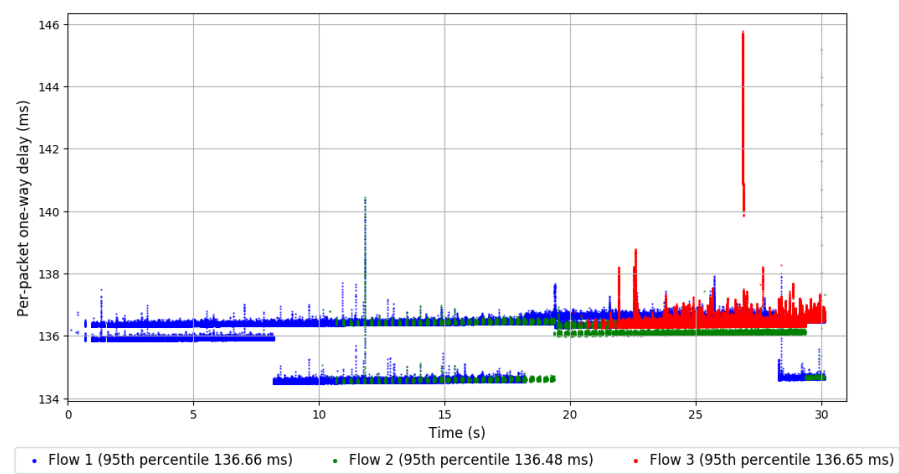
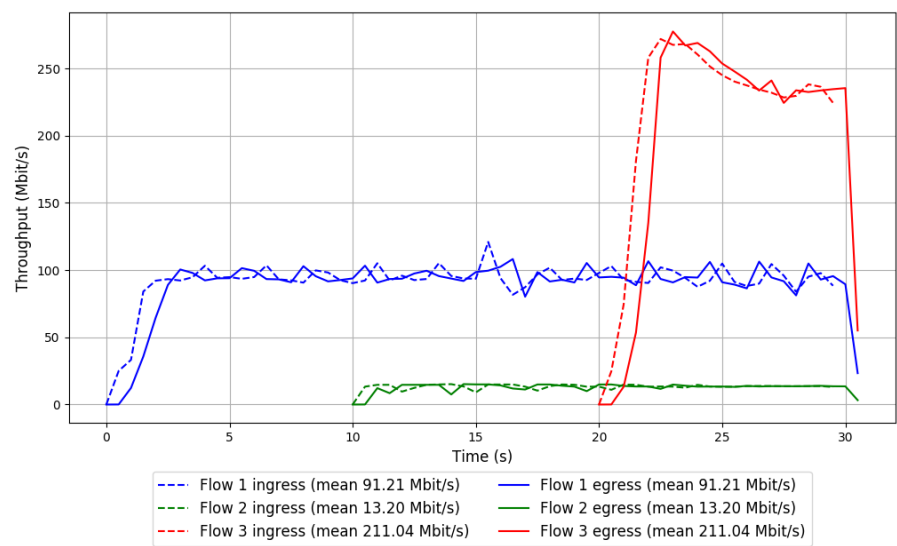


Run 9: Statistics of TaoVA-100x

Start at: 2018-08-02 10:58:25
End at: 2018-08-02 10:58:55
Local clock offset: -4.892 ms
Remote clock offset: -1.616 ms

Below is generated by plot.py at 2018-08-02 13:35:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 170.11 Mbit/s
95th percentile per-packet one-way delay: 136.655 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 91.21 Mbit/s
95th percentile per-packet one-way delay: 136.659 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.20 Mbit/s
95th percentile per-packet one-way delay: 136.477 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 211.04 Mbit/s
95th percentile per-packet one-way delay: 136.653 ms
Loss rate: 0.01%

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

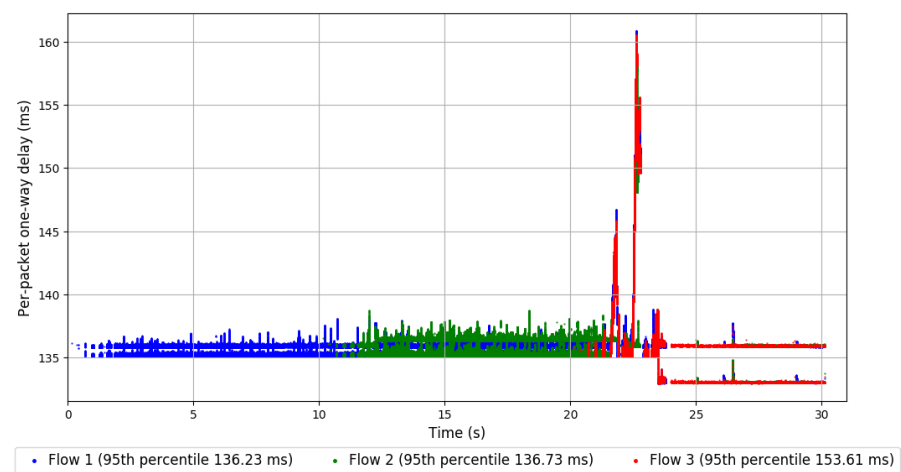
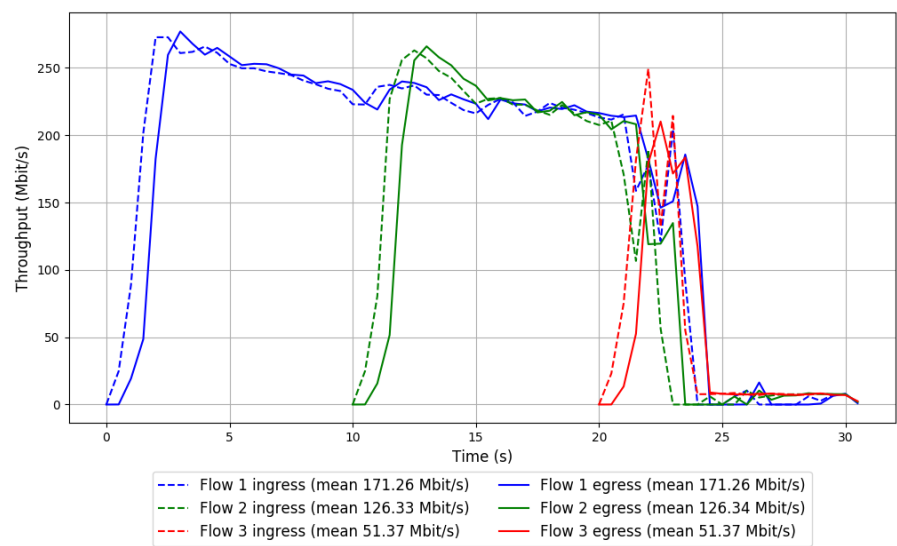


Run 10: Statistics of TaoVA-100x

Start at: 2018-08-02 11:25:40
End at: 2018-08-02 11:26:10
Local clock offset: -4.592 ms
Remote clock offset: -4.047 ms

Below is generated by plot.py at 2018-08-02 13:37:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 272.46 Mbit/s
95th percentile per-packet one-way delay: 136.841 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 171.26 Mbit/s
95th percentile per-packet one-way delay: 136.230 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 126.34 Mbit/s
95th percentile per-packet one-way delay: 136.726 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.37 Mbit/s
95th percentile per-packet one-way delay: 153.606 ms
Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-08-02 07:09:09

End at: 2018-08-02 07:09:39

Local clock offset: 0.04 ms

Remote clock offset: 0.347 ms

Below is generated by plot.py at 2018-08-02 13:37:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 106.03 Mbit/s

95th percentile per-packet one-way delay: 139.601 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 64.00 Mbit/s

95th percentile per-packet one-way delay: 140.903 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 48.88 Mbit/s

95th percentile per-packet one-way delay: 138.784 ms

Loss rate: 0.00%

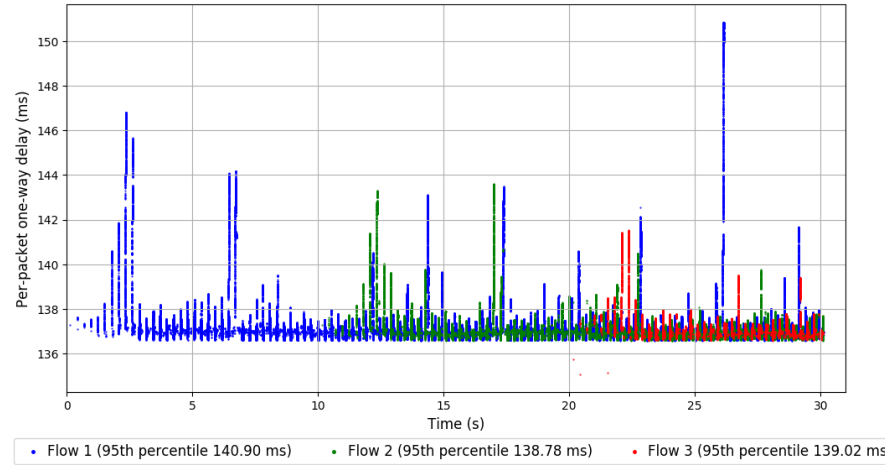
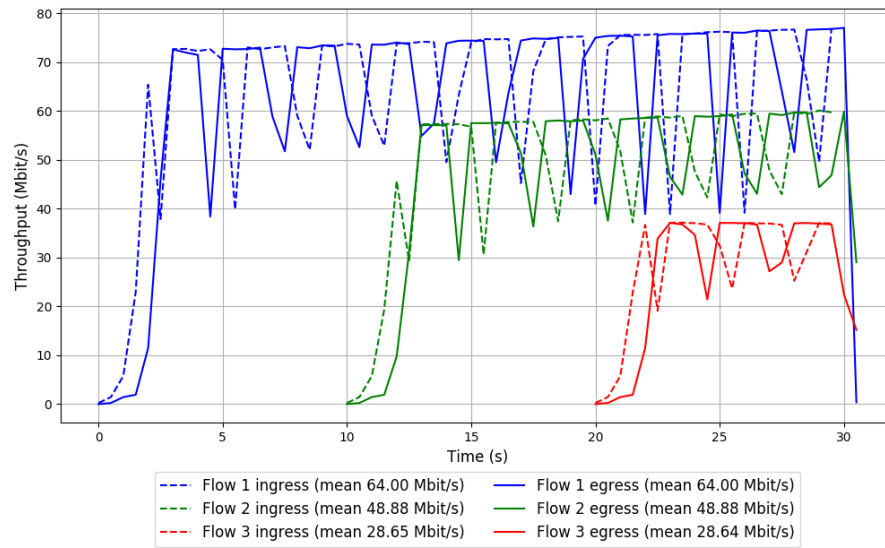
-- Flow 3:

Average throughput: 28.64 Mbit/s

95th percentile per-packet one-way delay: 139.021 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

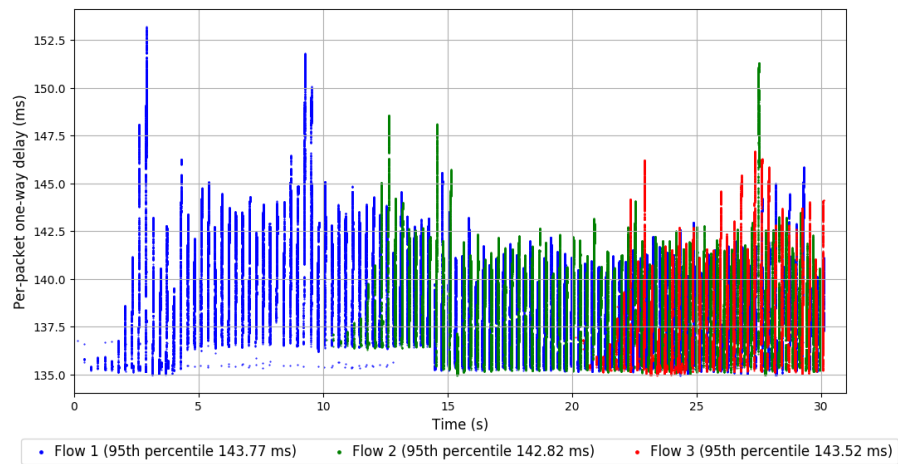
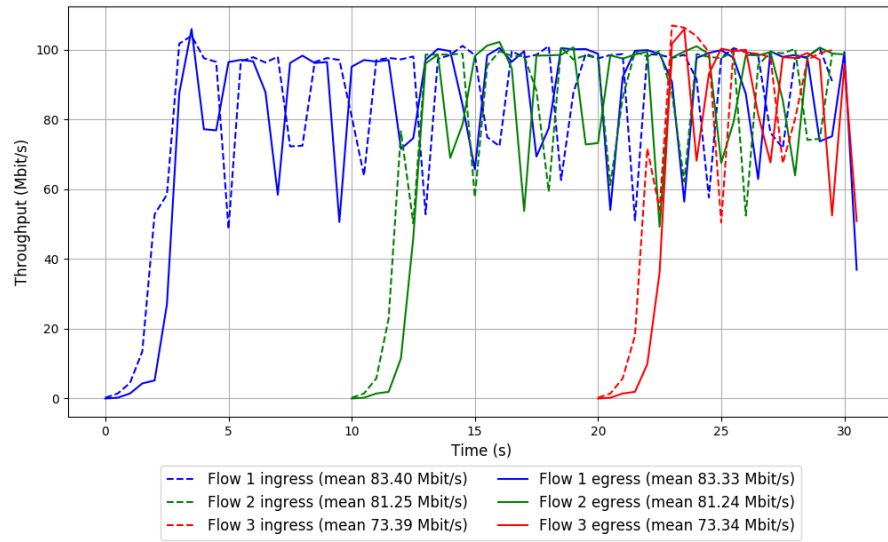


Run 2: Statistics of TCP Vegas

Start at: 2018-08-02 07:36:30
End at: 2018-08-02 07:37:00
Local clock offset: 0.168 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-08-02 13:37:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 161.43 Mbit/s
95th percentile per-packet one-way delay: 143.542 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 83.33 Mbit/s
95th percentile per-packet one-way delay: 143.774 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 81.24 Mbit/s
95th percentile per-packet one-way delay: 142.825 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 73.34 Mbit/s
95th percentile per-packet one-way delay: 143.521 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

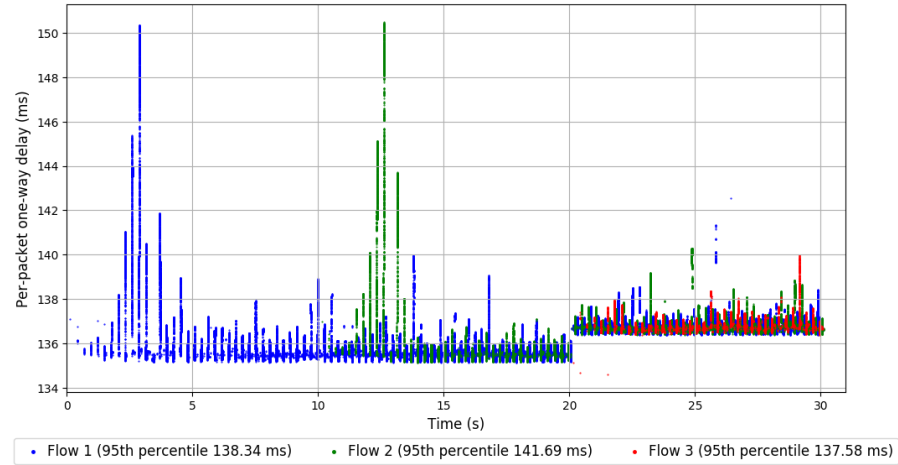
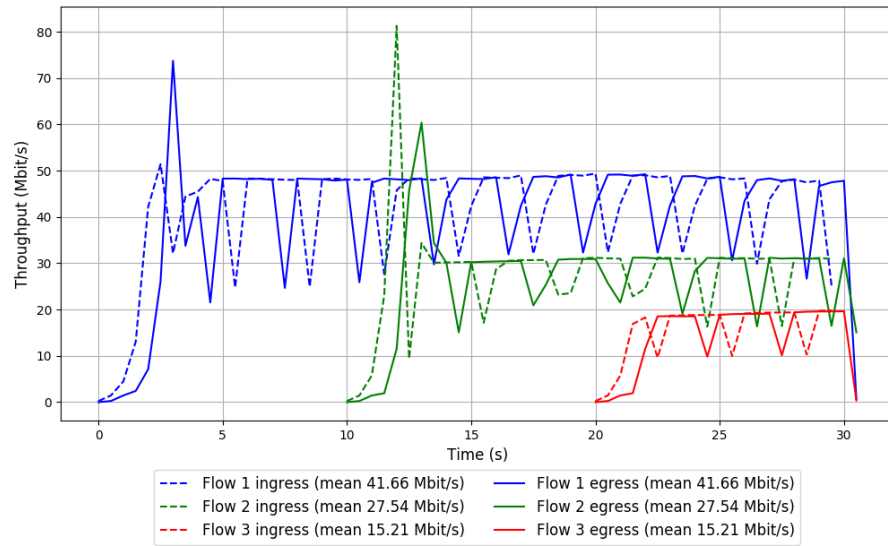


Run 3: Statistics of TCP Vegas

Start at: 2018-08-02 08:03:44
End at: 2018-08-02 08:04:14
Local clock offset: 0.04 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-08-02 13:37:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.01 Mbit/s
95th percentile per-packet one-way delay: 138.777 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.66 Mbit/s
95th percentile per-packet one-way delay: 138.335 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 27.54 Mbit/s
95th percentile per-packet one-way delay: 141.686 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.21 Mbit/s
95th percentile per-packet one-way delay: 137.578 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-08-02 08:30:58

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

Local clock offset: 0.095 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-08-02 13:37:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.19 Mbit/s

95th percentile per-packet one-way delay: 140.097 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 25.35 Mbit/s

95th percentile per-packet one-way delay: 140.706 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.08 Mbit/s

95th percentile per-packet one-way delay: 139.691 ms

Loss rate: 0.00%

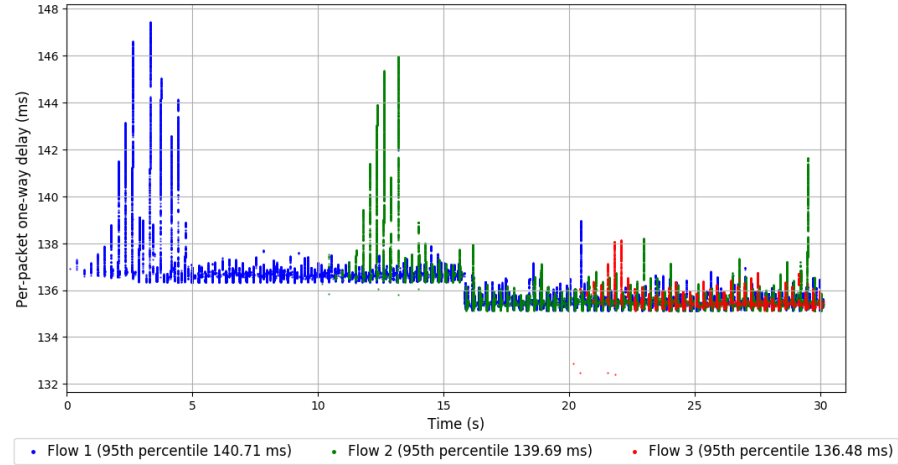
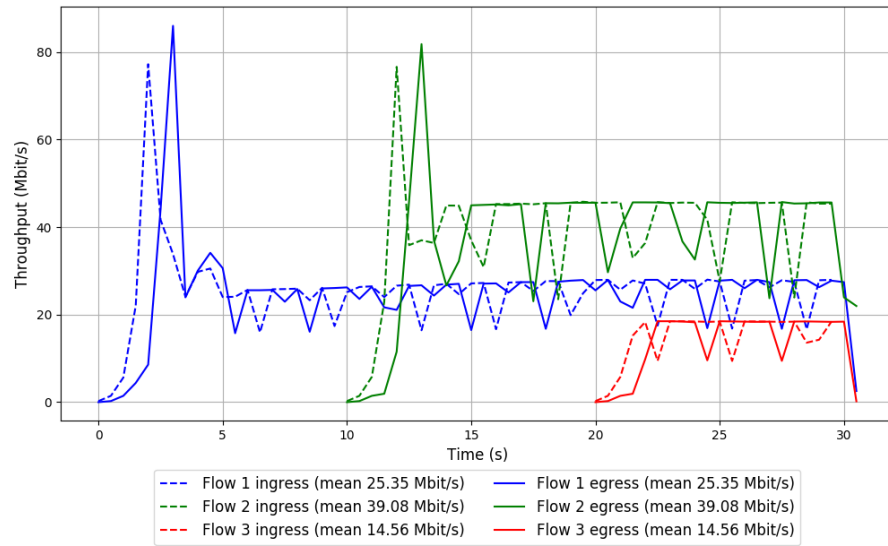
-- Flow 3:

Average throughput: 14.56 Mbit/s

95th percentile per-packet one-way delay: 136.480 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-08-02 08:58:05

End at: 2018-08-02 08:58:35

Local clock offset: -0.035 ms

Remote clock offset: 0.257 ms

Below is generated by plot.py at 2018-08-02 13:37:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 99.17 Mbit/s

95th percentile per-packet one-way delay: 145.022 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 54.57 Mbit/s

95th percentile per-packet one-way delay: 141.397 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 51.59 Mbit/s

95th percentile per-packet one-way delay: 148.635 ms

Loss rate: 0.00%

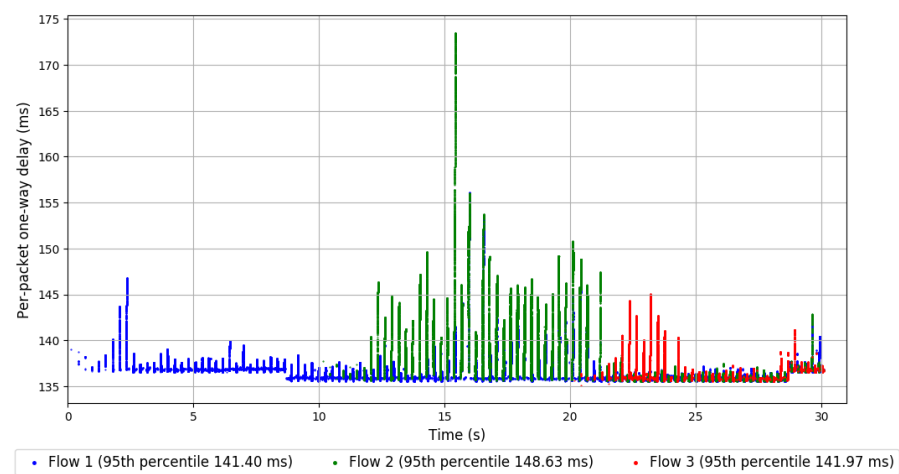
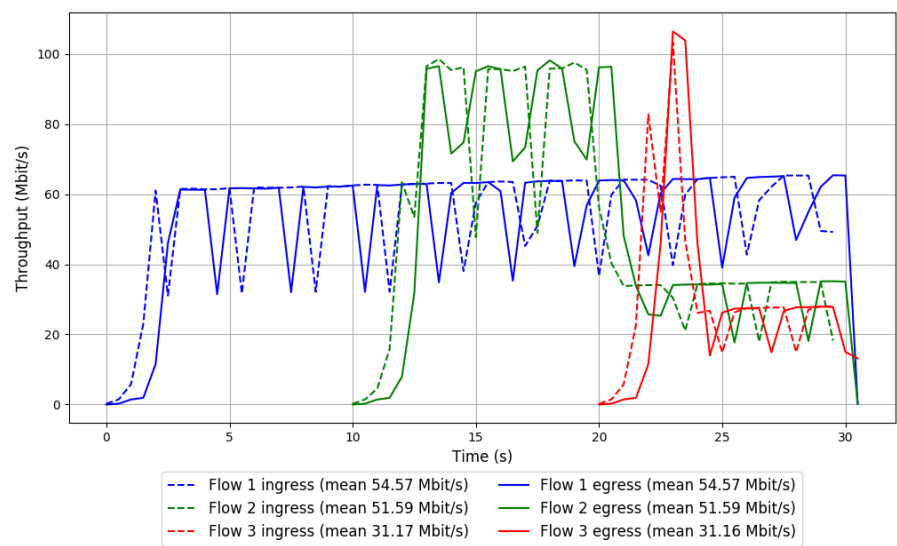
-- Flow 3:

Average throughput: 31.16 Mbit/s

95th percentile per-packet one-way delay: 141.968 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-08-02 09:24:43

End at: 2018-08-02 09:25:13

Local clock offset: 0.137 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-08-02 13:37:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.26 Mbit/s

95th percentile per-packet one-way delay: 136.964 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 25.74 Mbit/s

95th percentile per-packet one-way delay: 136.968 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 30.70 Mbit/s

95th percentile per-packet one-way delay: 137.024 ms

Loss rate: 0.00%

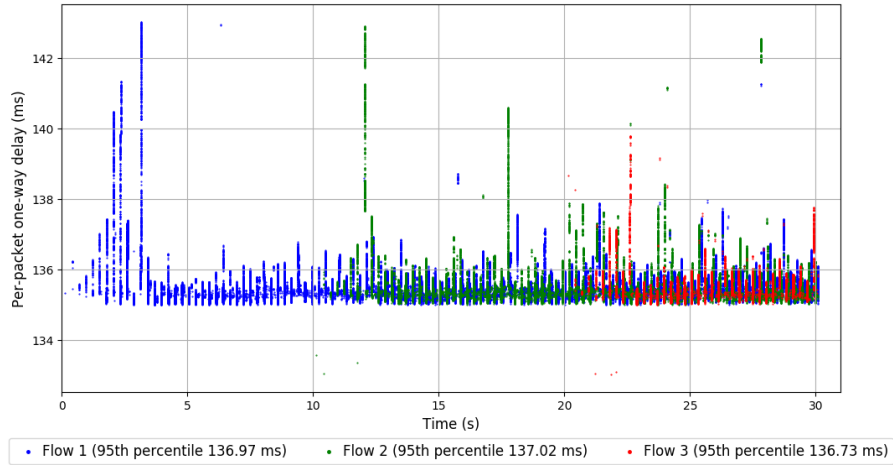
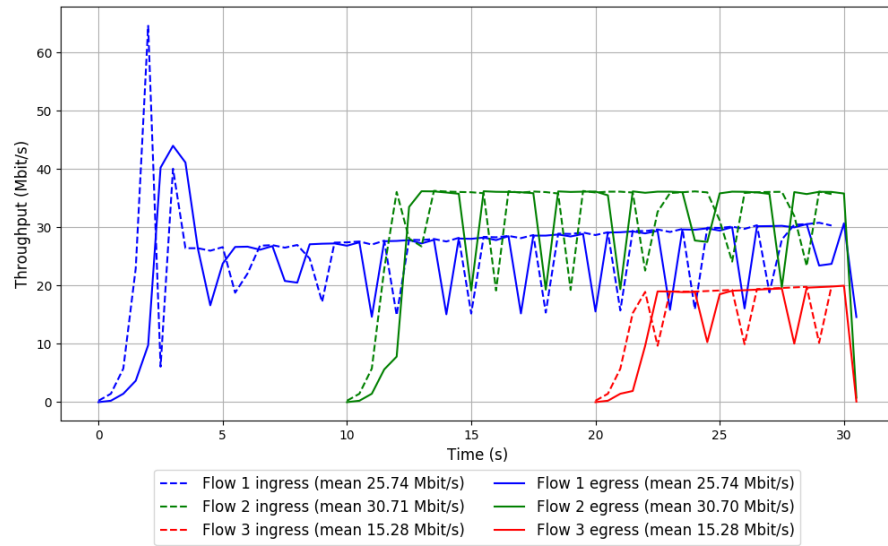
-- Flow 3:

Average throughput: 15.28 Mbit/s

95th percentile per-packet one-way delay: 136.728 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-08-02 09:51:07

End at: 2018-08-02 09:51:37

Local clock offset: 0.21 ms

Remote clock offset: 0.288 ms

Below is generated by plot.py at 2018-08-02 13:37:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 55.28 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 25.19 Mbit/s

95th percentile per-packet one-way delay: 137.610 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 37.81 Mbit/s

95th percentile per-packet one-way delay: 139.742 ms

Loss rate: 0.00%

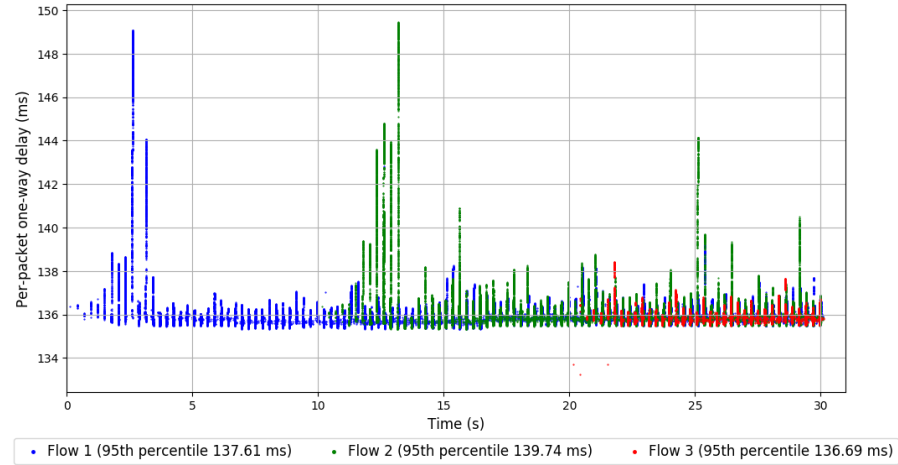
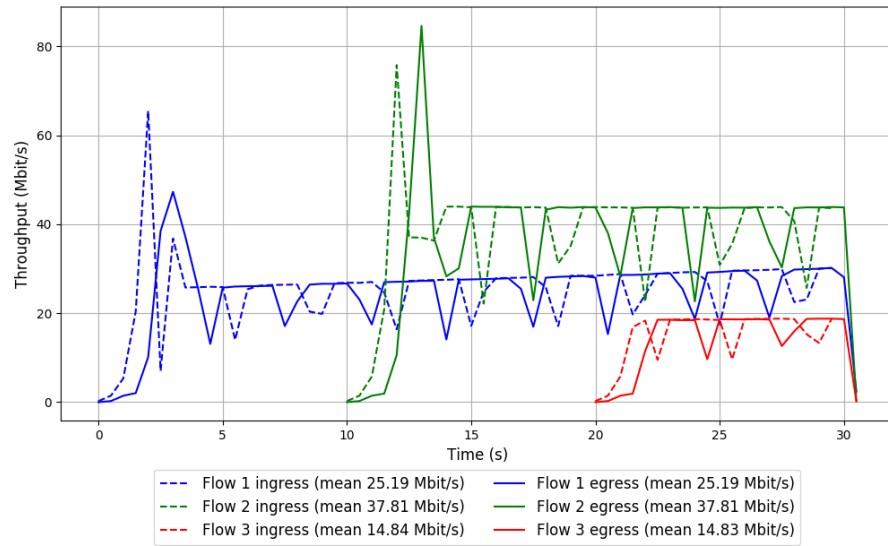
-- Flow 3:

Average throughput: 14.83 Mbit/s

95th percentile per-packet one-way delay: 136.690 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

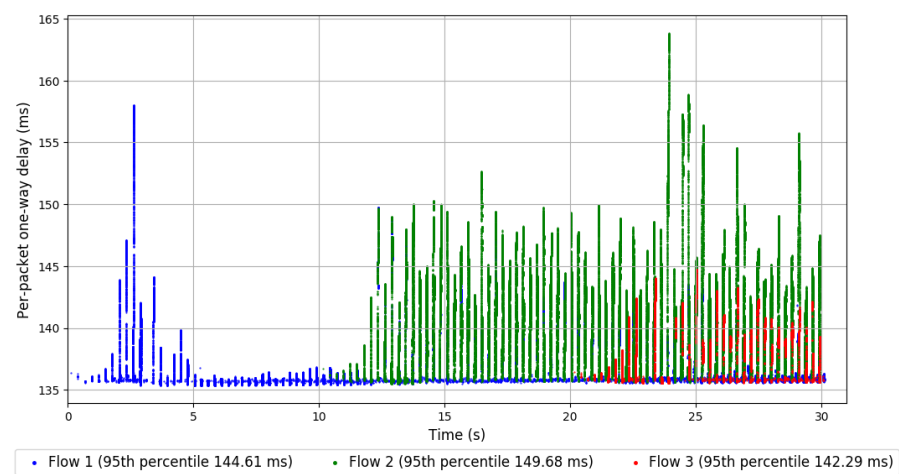
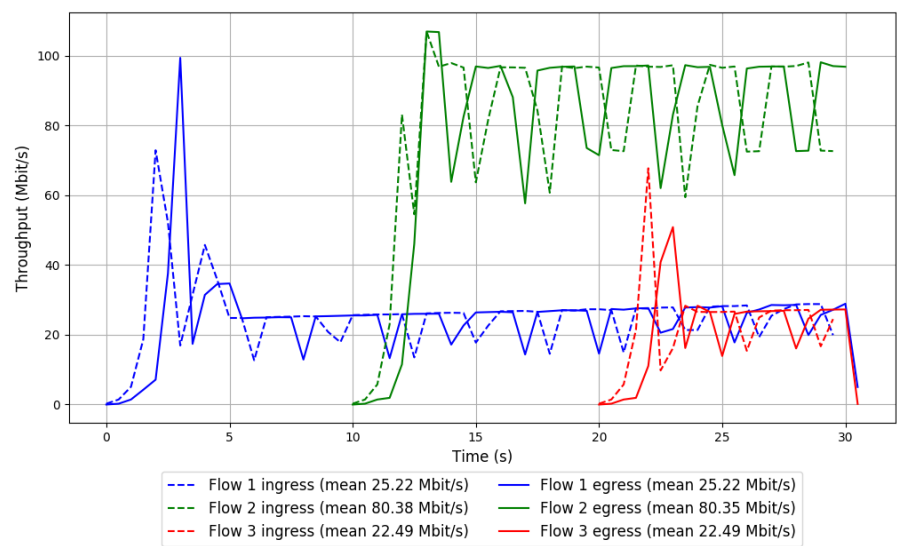


Run 8: Statistics of TCP Vegas

Start at: 2018-08-02 10:17:24
End at: 2018-08-02 10:17:54
Local clock offset: -9.033 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2018-08-02 13:37:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.75 Mbit/s
95th percentile per-packet one-way delay: 148.182 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 25.22 Mbit/s
95th percentile per-packet one-way delay: 144.611 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 80.35 Mbit/s
95th percentile per-packet one-way delay: 149.683 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 22.49 Mbit/s
95th percentile per-packet one-way delay: 142.293 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

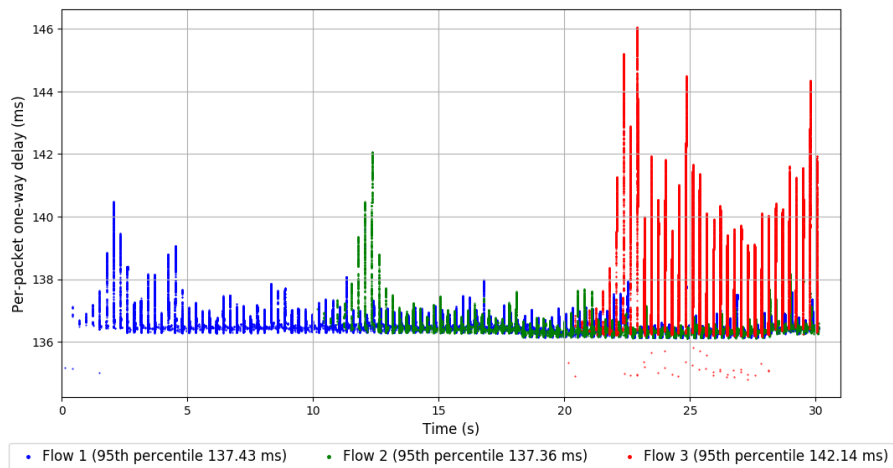
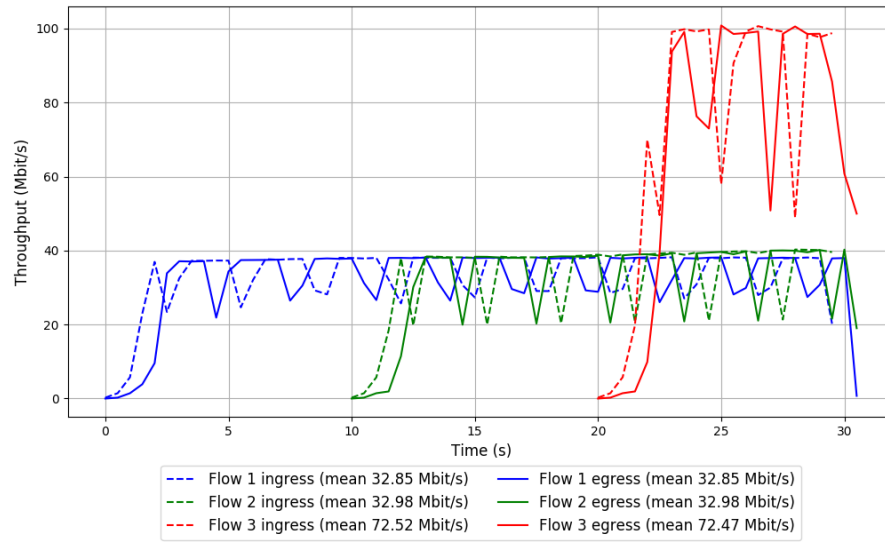


Run 9: Statistics of TCP Vegas

Start at: 2018-08-02 10:43:56
End at: 2018-08-02 10:44:26
Local clock offset: -9.624 ms
Remote clock offset: -1.347 ms

Below is generated by plot.py at 2018-08-02 13:37:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.76 Mbit/s
95th percentile per-packet one-way delay: 140.398 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.85 Mbit/s
95th percentile per-packet one-way delay: 137.425 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.98 Mbit/s
95th percentile per-packet one-way delay: 137.359 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 72.47 Mbit/s
95th percentile per-packet one-way delay: 142.144 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

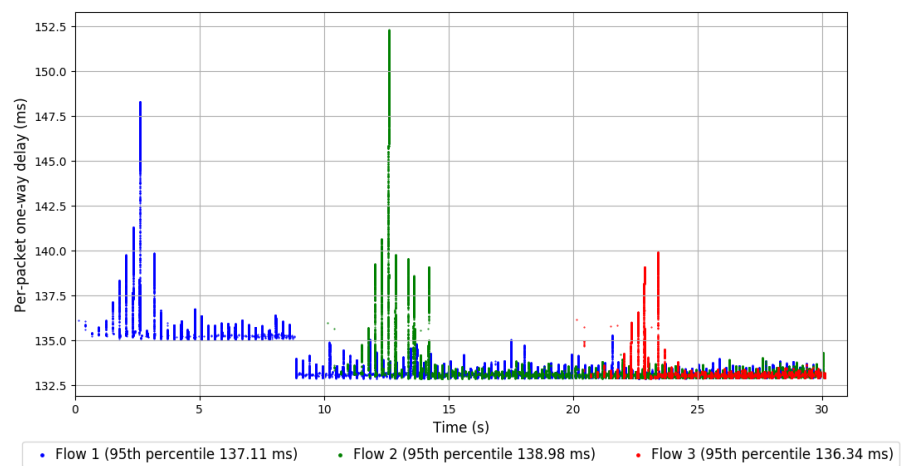
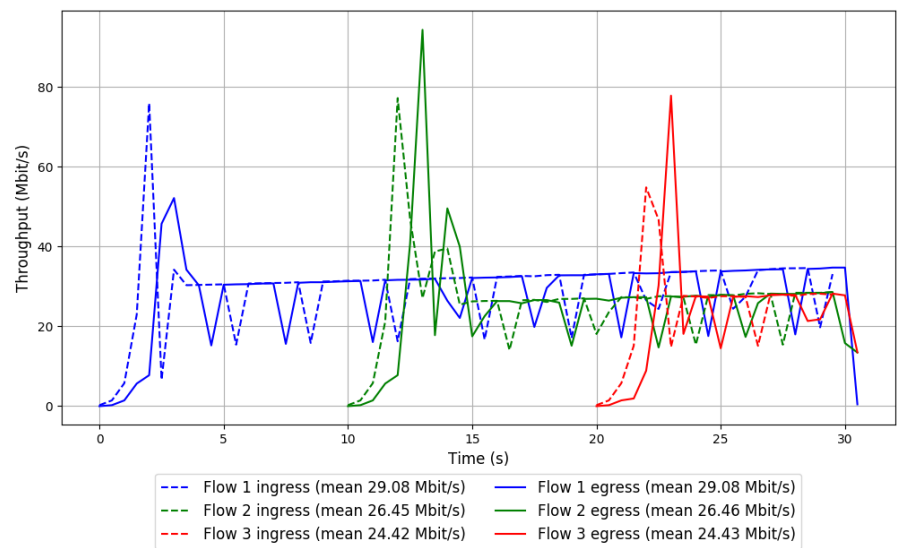


Run 10: Statistics of TCP Vegas

Start at: 2018-08-02 11:11:35
End at: 2018-08-02 11:12:05
Local clock offset: -3.344 ms
Remote clock offset: -2.485 ms

Below is generated by plot.py at 2018-08-02 13:37:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.79 Mbit/s
95th percentile per-packet one-way delay: 137.879 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 29.08 Mbit/s
95th percentile per-packet one-way delay: 137.114 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 26.46 Mbit/s
95th percentile per-packet one-way delay: 138.976 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.43 Mbit/s
95th percentile per-packet one-way delay: 136.342 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-08-02 07:16:45

End at: 2018-08-02 07:17:15

Local clock offset: -0.107 ms

Remote clock offset: 0.332 ms

Below is generated by plot.py at 2018-08-02 13:38:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 285.95 Mbit/s

95th percentile per-packet one-way delay: 273.932 ms

Loss rate: 3.57%

-- Flow 1:

Average throughput: 166.28 Mbit/s

95th percentile per-packet one-way delay: 202.884 ms

Loss rate: 1.34%

-- Flow 2:

Average throughput: 155.83 Mbit/s

95th percentile per-packet one-way delay: 318.849 ms

Loss rate: 7.47%

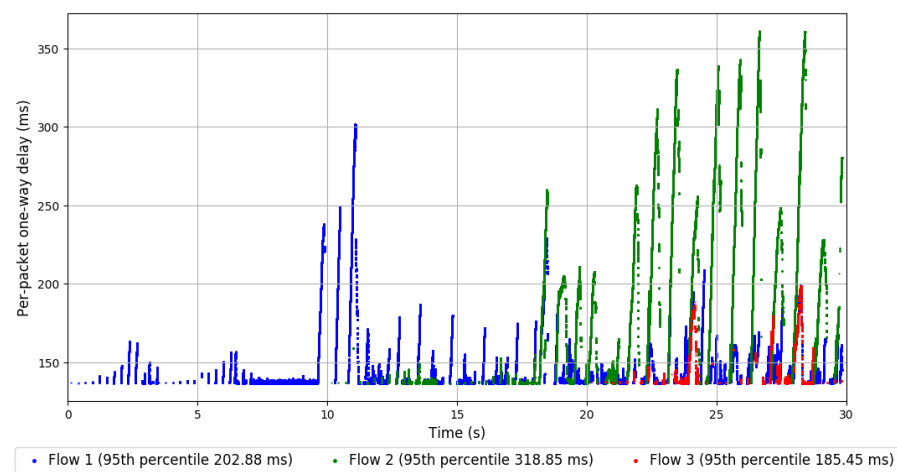
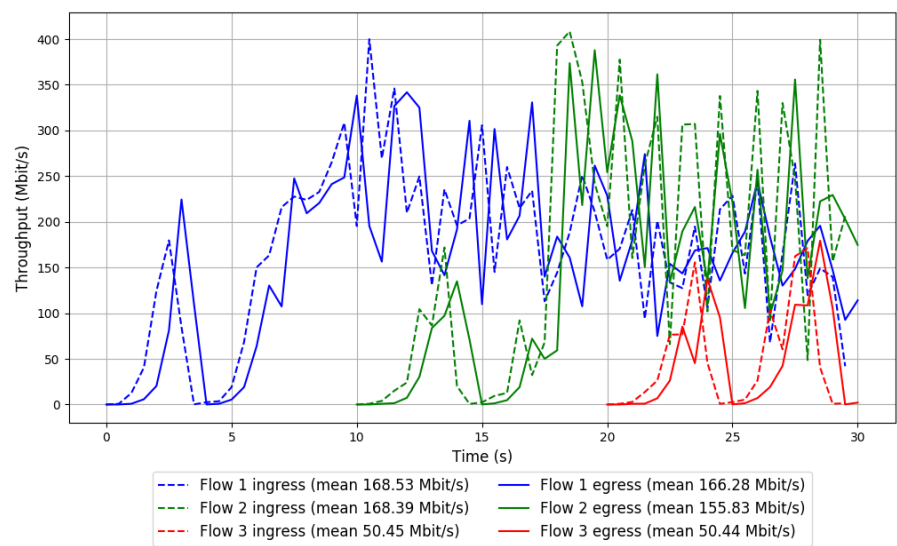
-- Flow 3:

Average throughput: 50.44 Mbit/s

95th percentile per-packet one-way delay: 185.447 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link

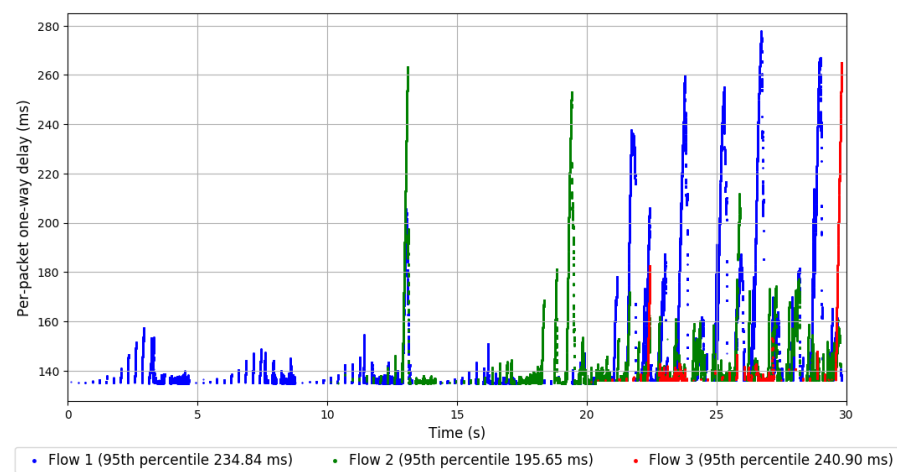
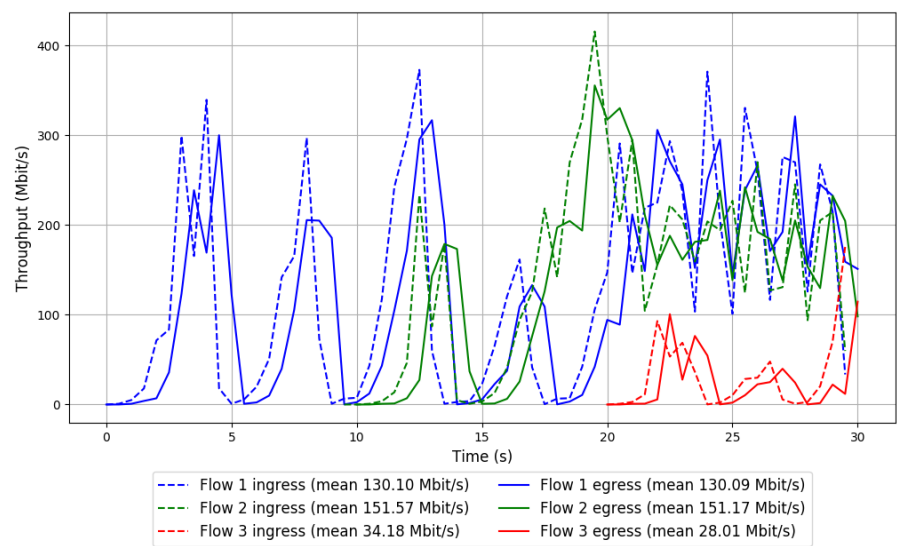


Run 2: Statistics of Verus

Start at: 2018-08-02 07:44:13
End at: 2018-08-02 07:44:43
Local clock offset: -0.089 ms
Remote clock offset: -0.431 ms

Below is generated by plot.py at 2018-08-02 13:38:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 239.16 Mbit/s
95th percentile per-packet one-way delay: 227.476 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 130.09 Mbit/s
95th percentile per-packet one-way delay: 234.841 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 151.17 Mbit/s
95th percentile per-packet one-way delay: 195.649 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 28.01 Mbit/s
95th percentile per-packet one-way delay: 240.900 ms
Loss rate: 18.05%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-08-02 08:11:21

End at: 2018-08-02 08:11:51

Local clock offset: 0.128 ms

Remote clock offset: 0.315 ms

Below is generated by plot.py at 2018-08-02 13:38:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 278.51 Mbit/s

95th percentile per-packet one-way delay: 219.437 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 184.71 Mbit/s

95th percentile per-packet one-way delay: 215.548 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 120.41 Mbit/s

95th percentile per-packet one-way delay: 200.987 ms

Loss rate: 0.33%

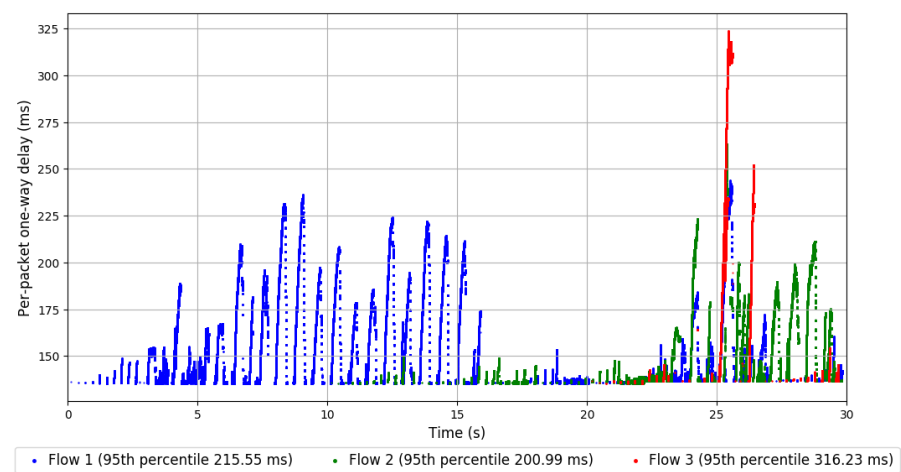
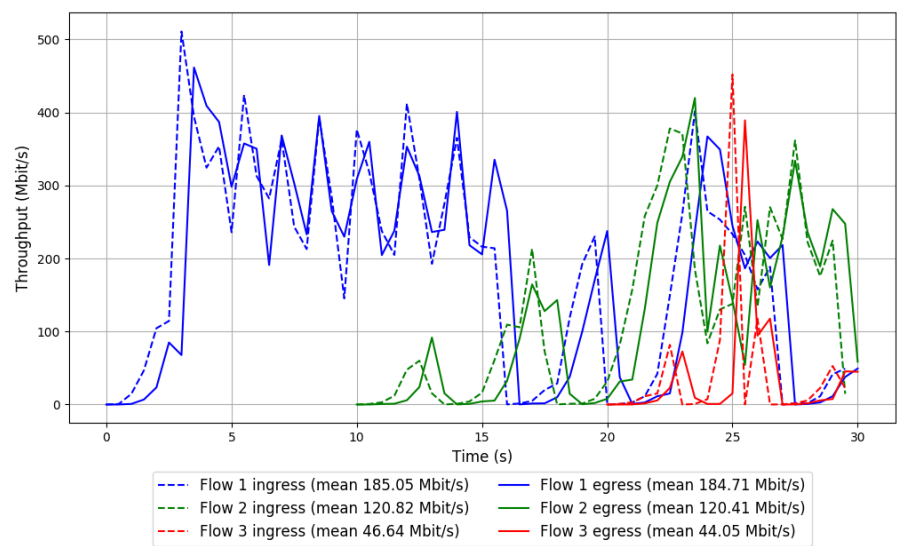
-- Flow 3:

Average throughput: 44.05 Mbit/s

95th percentile per-packet one-way delay: 316.226 ms

Loss rate: 5.47%

Run 3: Report of Verus — Data Link

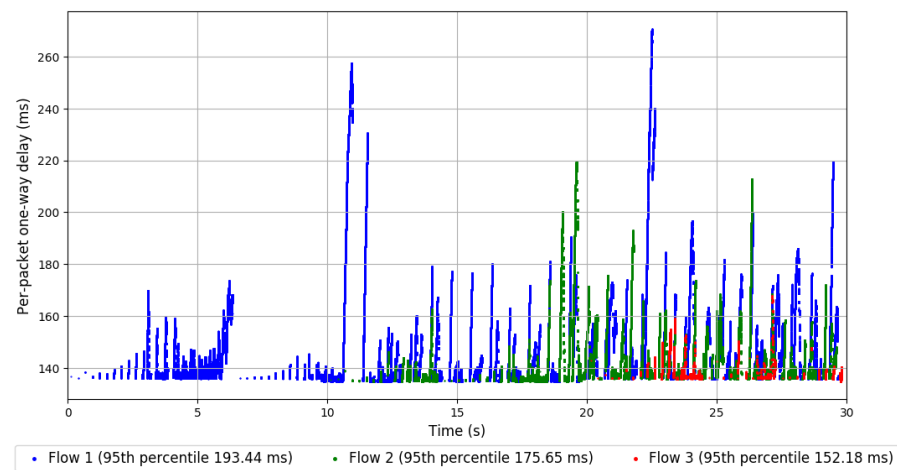
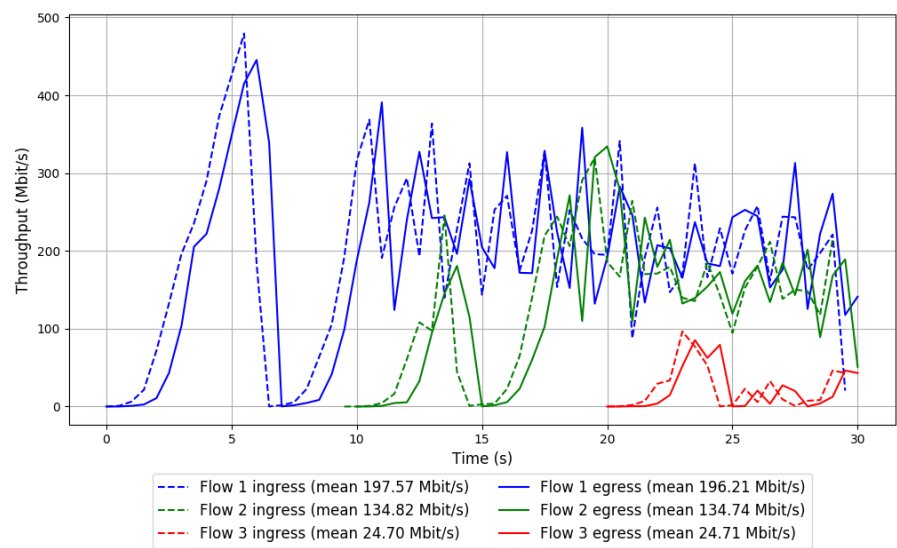


Run 4: Statistics of Verus

Start at: 2018-08-02 08:38:34
End at: 2018-08-02 08:39:04
Local clock offset: 0.189 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-08-02 13:39:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 292.36 Mbit/s
95th percentile per-packet one-way delay: 186.254 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 196.21 Mbit/s
95th percentile per-packet one-way delay: 193.445 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 134.74 Mbit/s
95th percentile per-packet one-way delay: 175.648 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 152.175 ms
Loss rate: 0.00%

Run 4: Report of Verus — Data Link

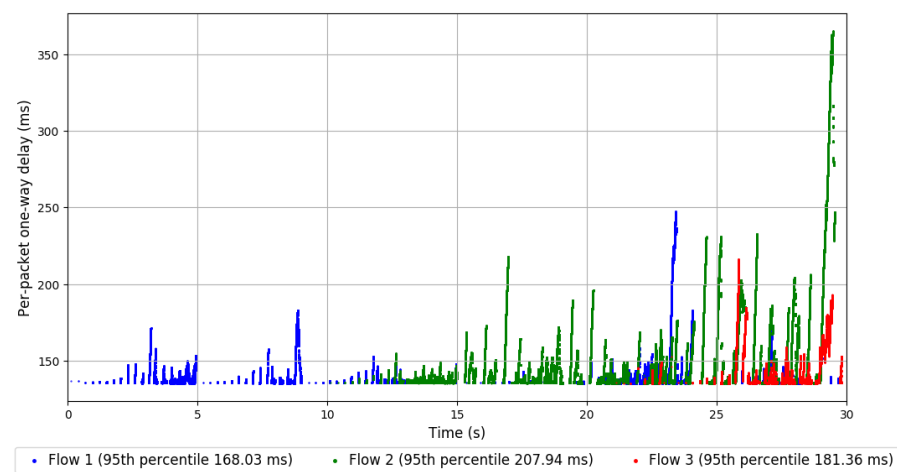
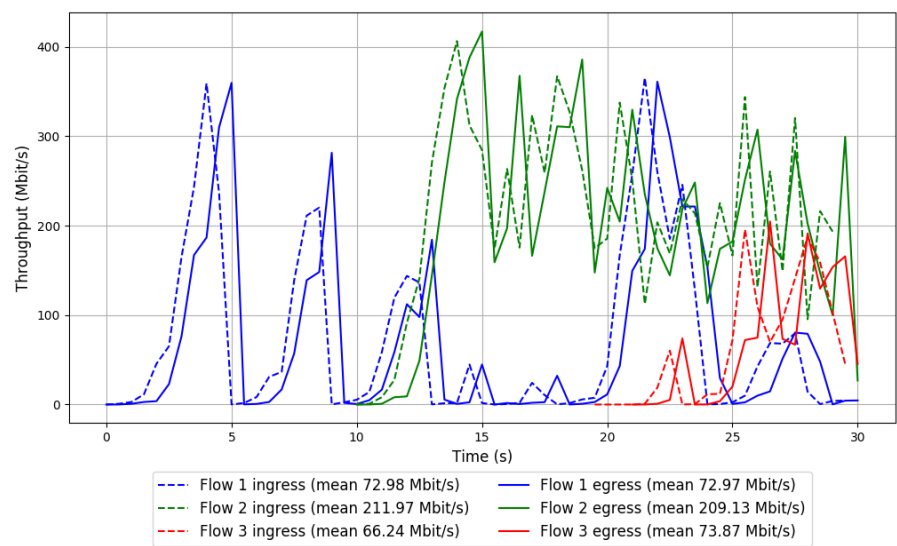


Run 5: Statistics of Verus

Start at: 2018-08-02 09:05:35
End at: 2018-08-02 09:06:05
Local clock offset: -0.123 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-08-02 13:39:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 231.00 Mbit/s
95th percentile per-packet one-way delay: 198.213 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 72.97 Mbit/s
95th percentile per-packet one-way delay: 168.030 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 209.13 Mbit/s
95th percentile per-packet one-way delay: 207.942 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 73.87 Mbit/s
95th percentile per-packet one-way delay: 181.362 ms
Loss rate: 0.00%

Run 5: Report of Verus — Data Link

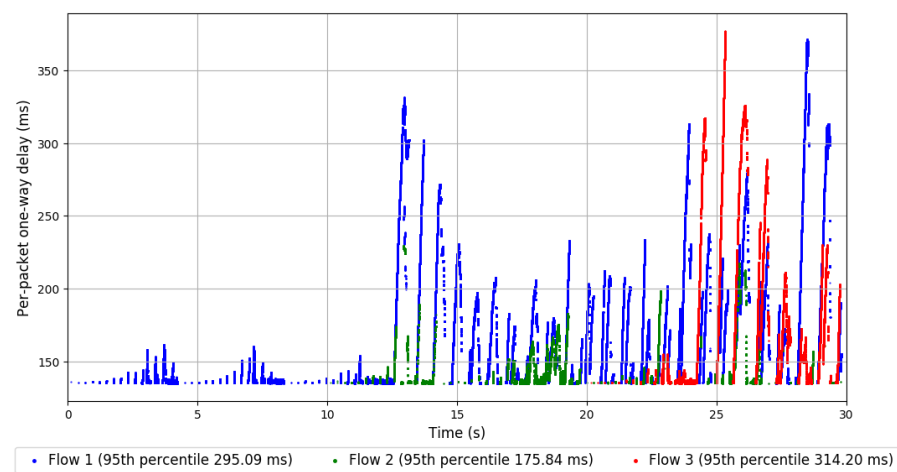
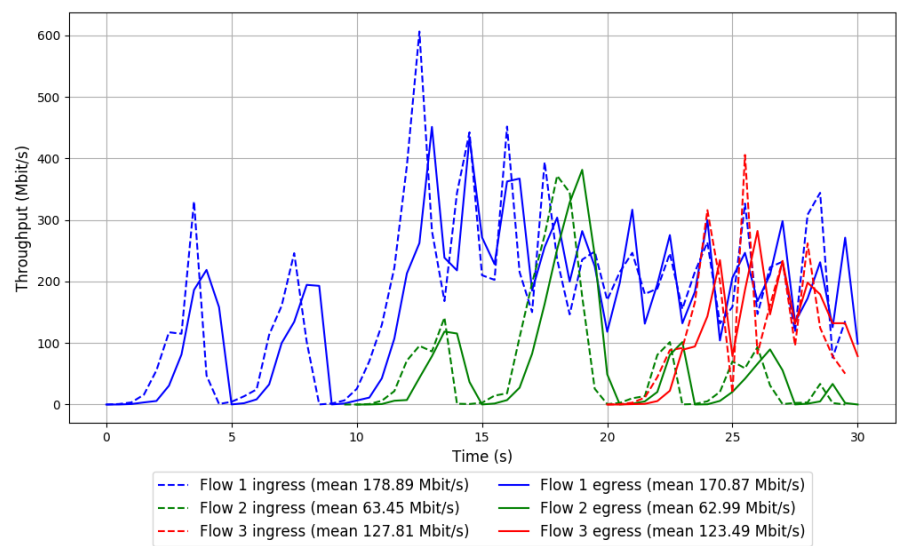


Run 6: Statistics of Verus

Start at: 2018-08-02 09:32:20
End at: 2018-08-02 09:32:50
Local clock offset: -0.068 ms
Remote clock offset: -0.33 ms

Below is generated by plot.py at 2018-08-02 13:39:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 252.54 Mbit/s
95th percentile per-packet one-way delay: 296.953 ms
Loss rate: 3.59%
-- Flow 1:
Average throughput: 170.87 Mbit/s
95th percentile per-packet one-way delay: 295.092 ms
Loss rate: 4.47%
-- Flow 2:
Average throughput: 62.99 Mbit/s
95th percentile per-packet one-way delay: 175.837 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 123.49 Mbit/s
95th percentile per-packet one-way delay: 314.201 ms
Loss rate: 2.69%

Run 6: Report of Verus — Data Link

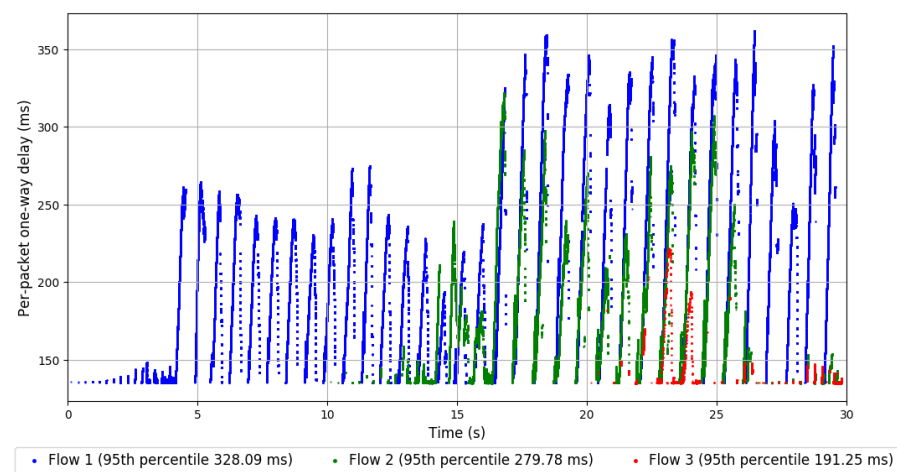
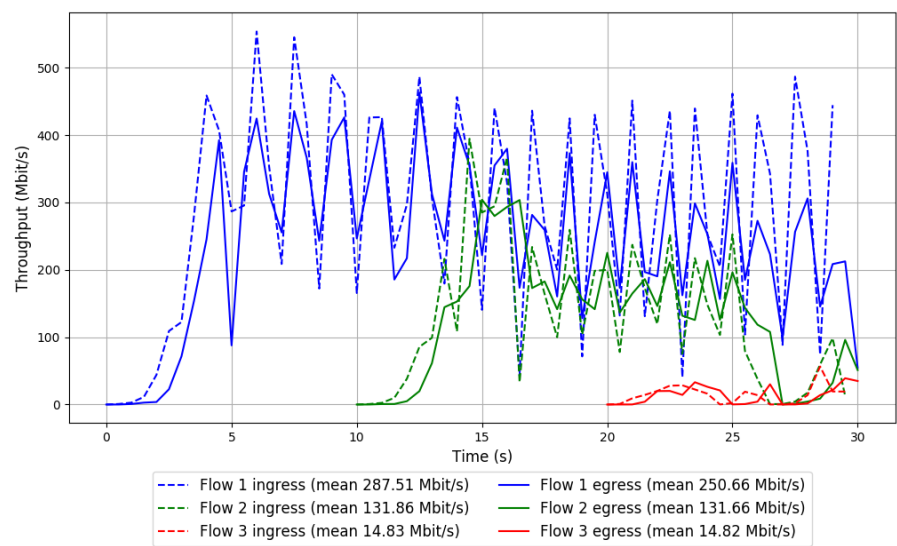


Run 7: Statistics of Verus

Start at: 2018-08-02 09:58:36
End at: 2018-08-02 09:59:06
Local clock offset: -1.428 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-08-02 13:41:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 340.31 Mbit/s
95th percentile per-packet one-way delay: 322.246 ms
Loss rate: 9.44%
-- Flow 1:
Average throughput: 250.66 Mbit/s
95th percentile per-packet one-way delay: 328.092 ms
Loss rate: 12.44%
-- Flow 2:
Average throughput: 131.66 Mbit/s
95th percentile per-packet one-way delay: 279.777 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 14.82 Mbit/s
95th percentile per-packet one-way delay: 191.253 ms
Loss rate: 0.07%

Run 7: Report of Verus — Data Link

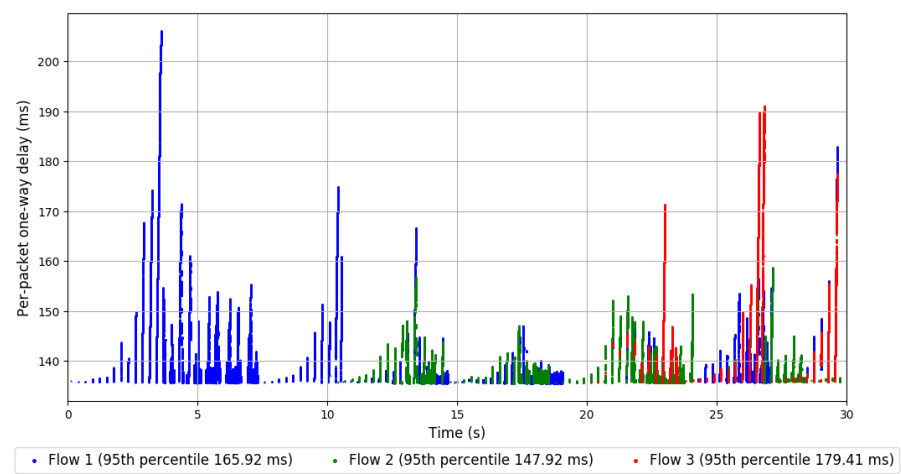
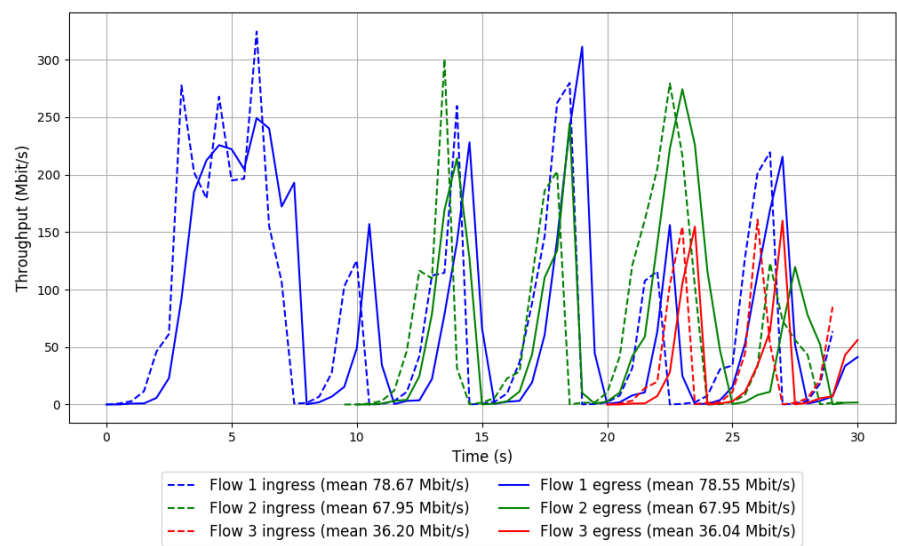


Run 8: Statistics of Verus

Start at: 2018-08-02 10:24:54
End at: 2018-08-02 10:25:24
Local clock offset: -6.549 ms
Remote clock offset: 0.26 ms

Below is generated by plot.py at 2018-08-02 13:41:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 134.85 Mbit/s
95th percentile per-packet one-way delay: 162.171 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.55 Mbit/s
95th percentile per-packet one-way delay: 165.918 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 67.95 Mbit/s
95th percentile per-packet one-way delay: 147.922 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.04 Mbit/s
95th percentile per-packet one-way delay: 179.414 ms
Loss rate: 0.00%

Run 8: Report of Verus — Data Link

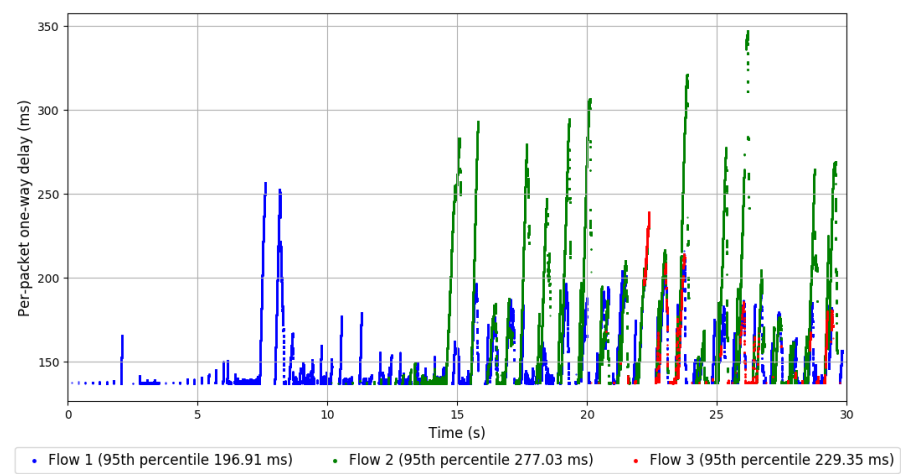
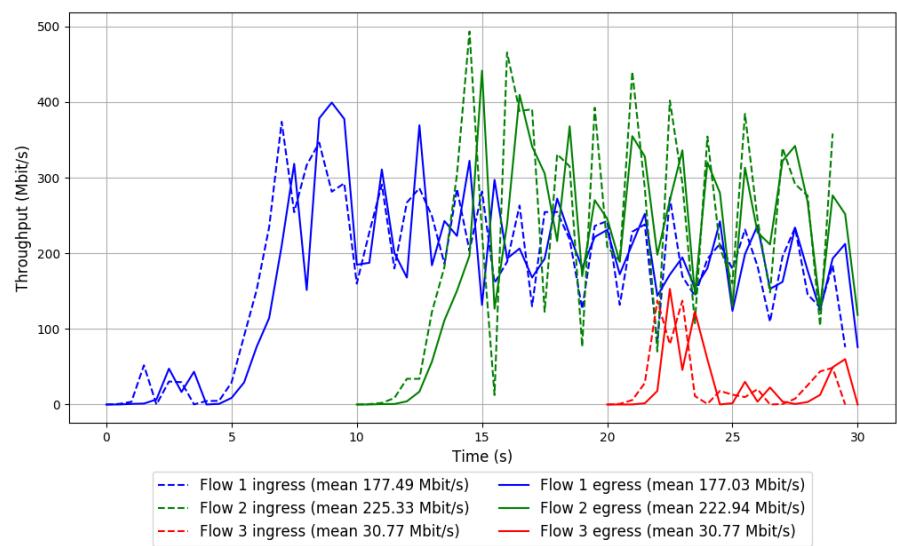


Run 9: Statistics of Verus

Start at: 2018-08-02 10:51:37
End at: 2018-08-02 10:52:07
Local clock offset: -9.256 ms
Remote clock offset: -1.646 ms

Below is generated by plot.py at 2018-08-02 13:42:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 333.24 Mbit/s
95th percentile per-packet one-way delay: 253.872 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 177.03 Mbit/s
95th percentile per-packet one-way delay: 196.913 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 222.94 Mbit/s
95th percentile per-packet one-way delay: 277.034 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 30.77 Mbit/s
95th percentile per-packet one-way delay: 229.350 ms
Loss rate: 0.00%

Run 9: Report of Verus — Data Link

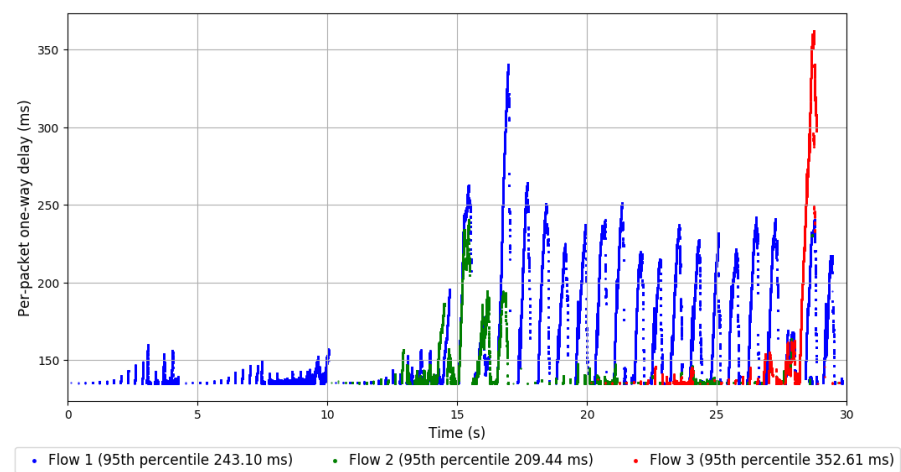
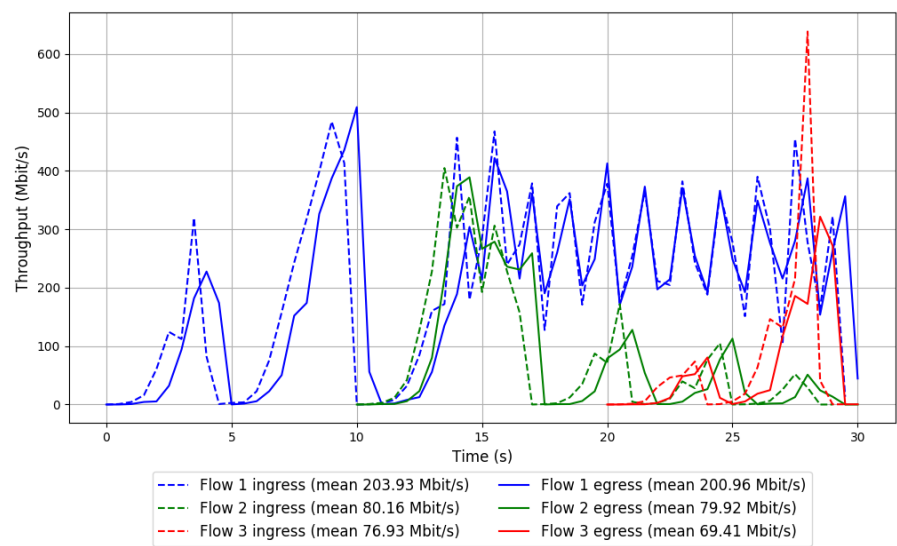


Run 10: Statistics of Verus

Start at: 2018-08-02 11:19:13
End at: 2018-08-02 11:19:43
Local clock offset: -3.84 ms
Remote clock offset: -3.266 ms

Below is generated by plot.py at 2018-08-02 13:42:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 275.71 Mbit/s
95th percentile per-packet one-way delay: 246.455 ms
Loss rate: 1.97%
-- Flow 1:
Average throughput: 200.96 Mbit/s
95th percentile per-packet one-way delay: 243.104 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 79.92 Mbit/s
95th percentile per-packet one-way delay: 209.440 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 69.41 Mbit/s
95th percentile per-packet one-way delay: 352.607 ms
Loss rate: 9.78%

Run 10: Report of Verus — Data Link

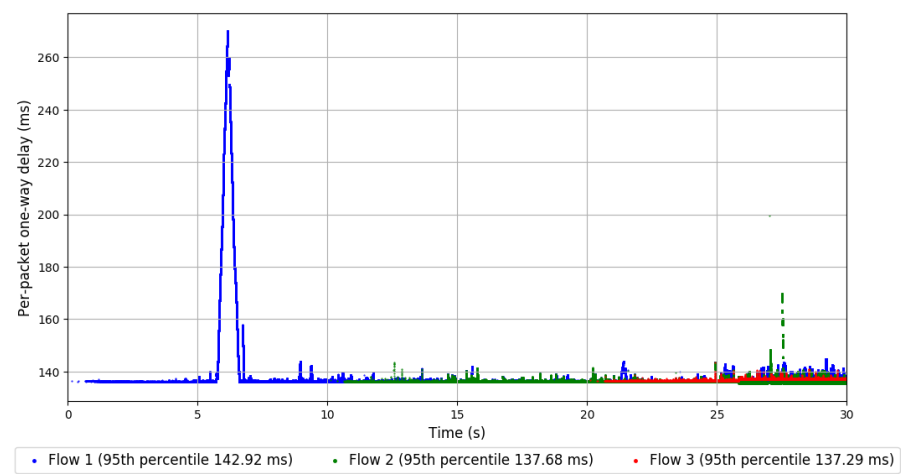
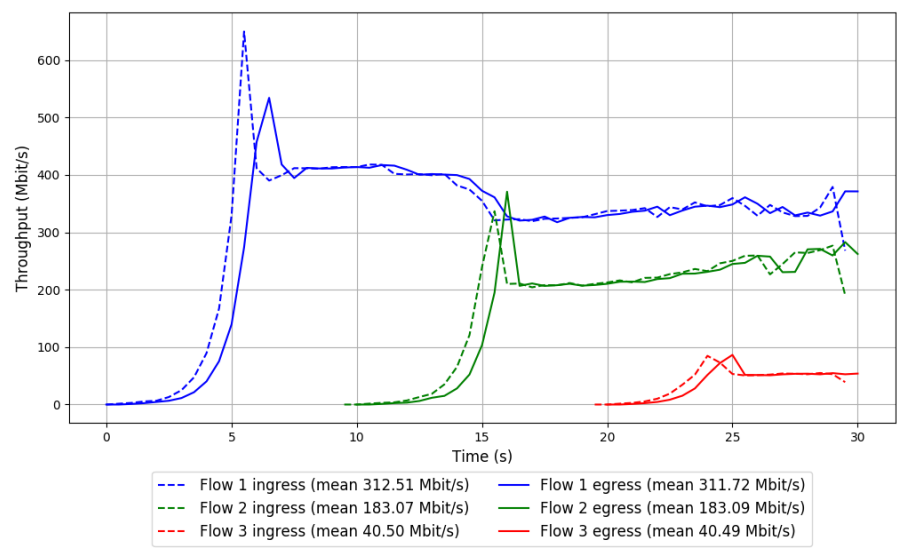


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-02 07:25:07
End at: 2018-08-02 07:25:37
Local clock offset: -0.153 ms
Remote clock offset: -0.379 ms

Below is generated by plot.py at 2018-08-02 13:45:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 446.94 Mbit/s
95th percentile per-packet one-way delay: 140.777 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 311.72 Mbit/s
95th percentile per-packet one-way delay: 142.923 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 183.09 Mbit/s
95th percentile per-packet one-way delay: 137.678 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 40.49 Mbit/s
95th percentile per-packet one-way delay: 137.295 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-08-02 07:52:17

End at: 2018-08-02 07:52:47

Local clock offset: 0.095 ms

Remote clock offset: 0.25 ms

Below is generated by plot.py at 2018-08-02 13:46:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 449.24 Mbit/s

95th percentile per-packet one-way delay: 177.965 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 288.86 Mbit/s

95th percentile per-packet one-way delay: 195.402 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 182.51 Mbit/s

95th percentile per-packet one-way delay: 148.120 ms

Loss rate: 0.40%

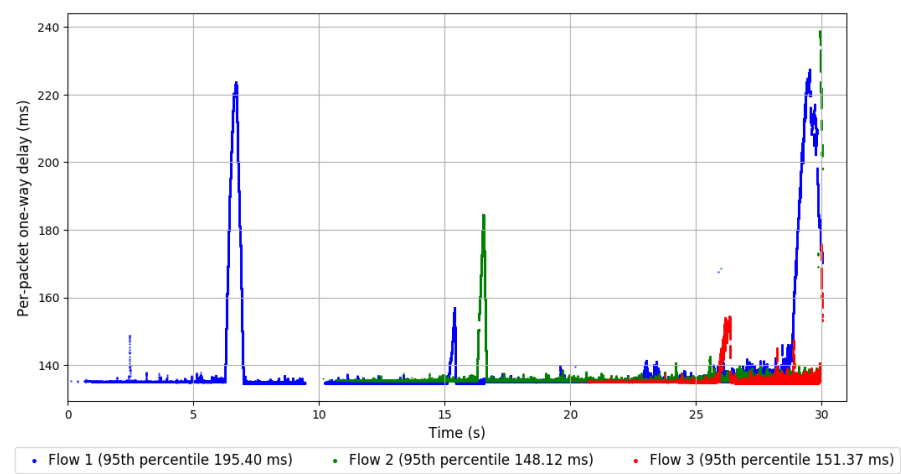
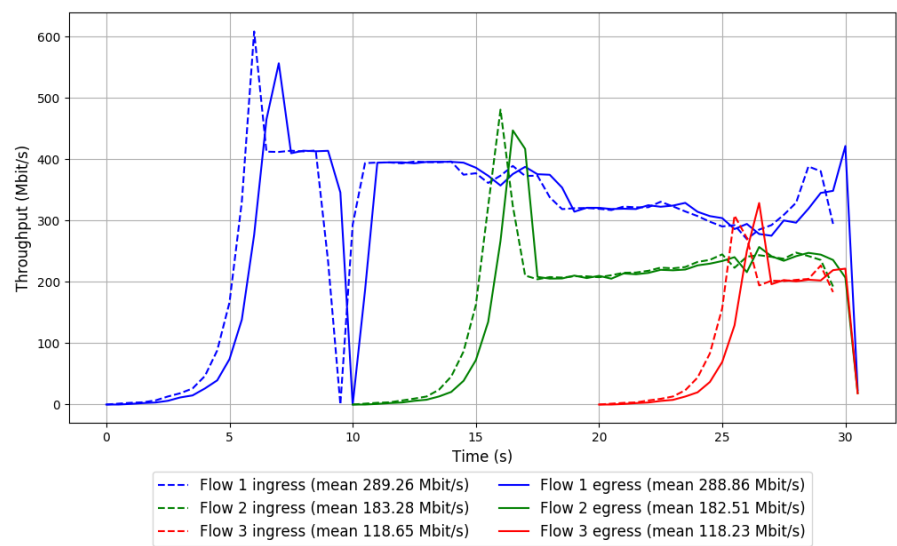
-- Flow 3:

Average throughput: 118.23 Mbit/s

95th percentile per-packet one-way delay: 151.370 ms

Loss rate: 0.32%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-08-02 08:19:27

End at: 2018-08-02 08:19:57

Local clock offset: 0.104 ms

Remote clock offset: 0.298 ms

Below is generated by plot.py at 2018-08-02 13:46:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 455.44 Mbit/s

95th percentile per-packet one-way delay: 166.565 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 285.93 Mbit/s

95th percentile per-packet one-way delay: 175.376 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 193.61 Mbit/s

95th percentile per-packet one-way delay: 144.910 ms

Loss rate: 0.01%

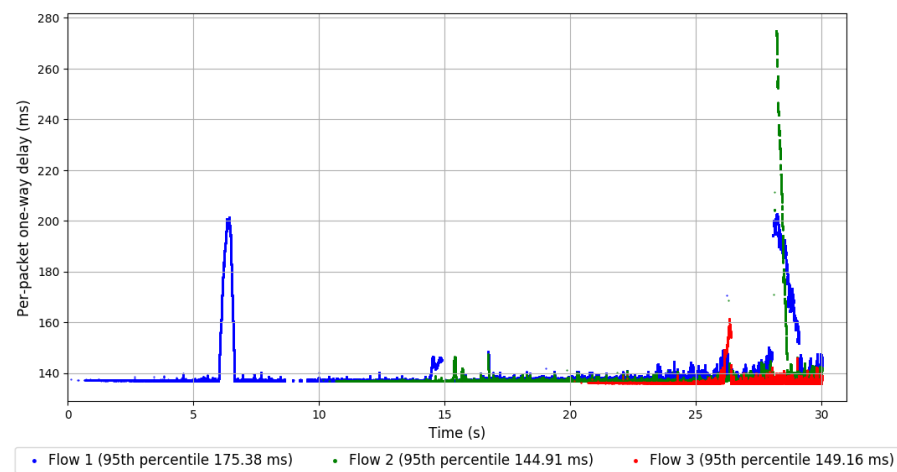
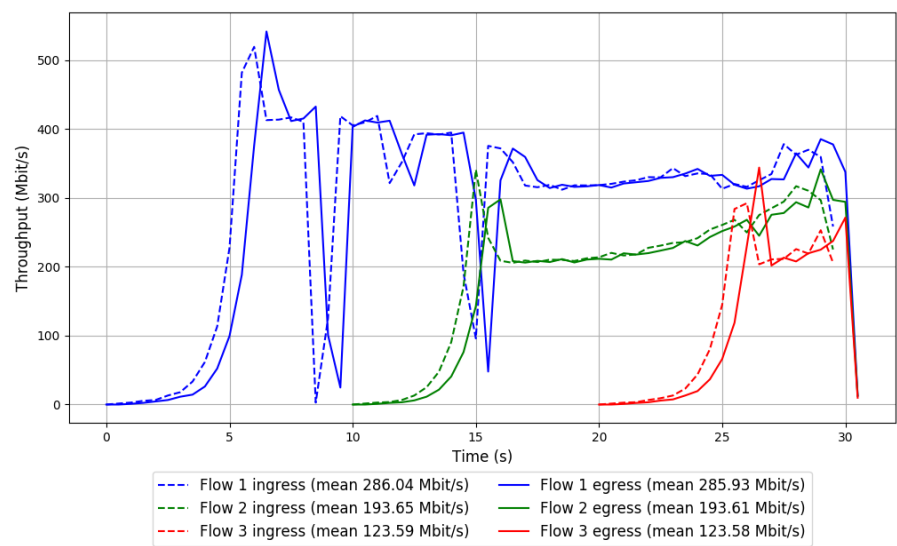
-- Flow 3:

Average throughput: 123.58 Mbit/s

95th percentile per-packet one-way delay: 149.162 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

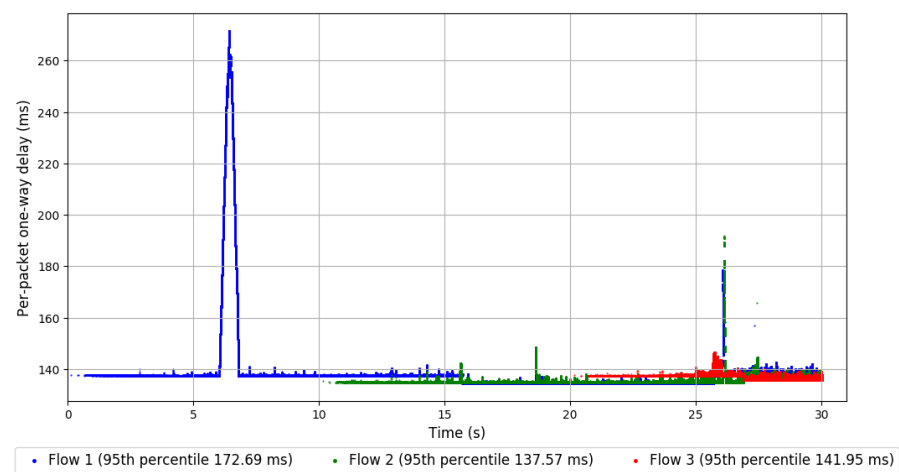
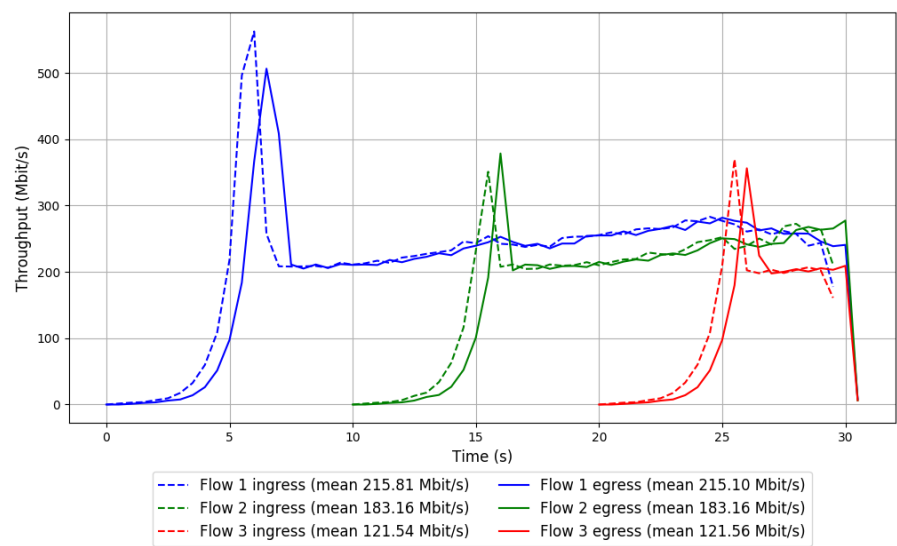


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-02 08:46:37
End at: 2018-08-02 08:47:07
Local clock offset: 0.047 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-08-02 13:46:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 377.00 Mbit/s
95th percentile per-packet one-way delay: 140.762 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 215.10 Mbit/s
95th percentile per-packet one-way delay: 172.688 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 183.16 Mbit/s
95th percentile per-packet one-way delay: 137.572 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 121.56 Mbit/s
95th percentile per-packet one-way delay: 141.947 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

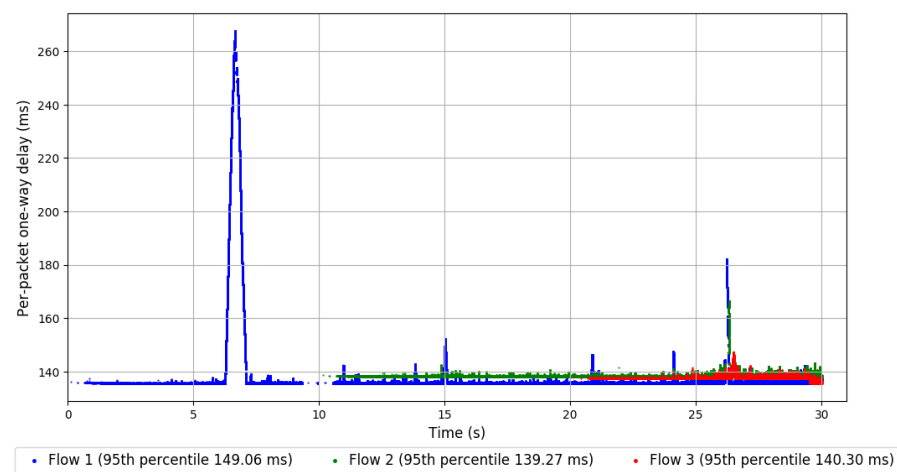
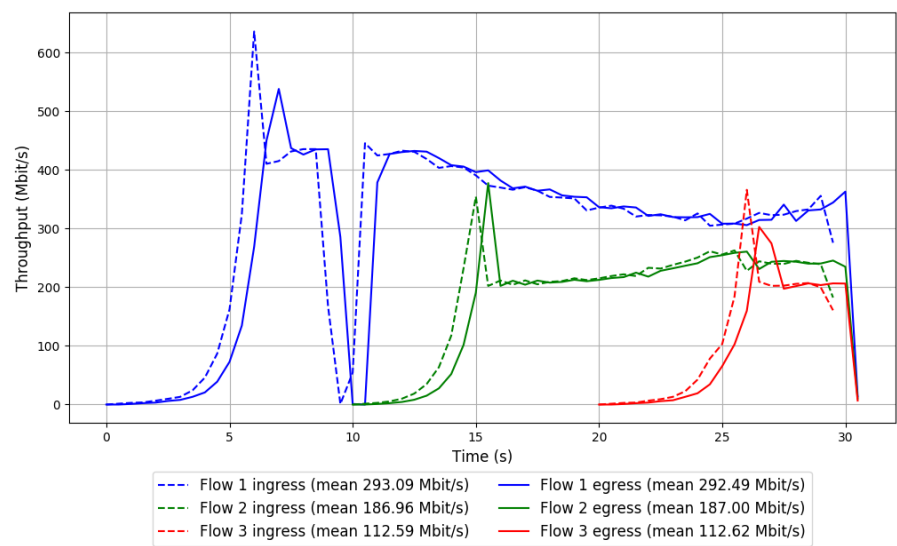


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-02 09:13:14
End at: 2018-08-02 09:13:44
Local clock offset: 0.015 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-08-02 13:47:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 453.97 Mbit/s
95th percentile per-packet one-way delay: 140.621 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 292.49 Mbit/s
95th percentile per-packet one-way delay: 149.060 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 187.00 Mbit/s
95th percentile per-packet one-way delay: 139.273 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 112.62 Mbit/s
95th percentile per-packet one-way delay: 140.297 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

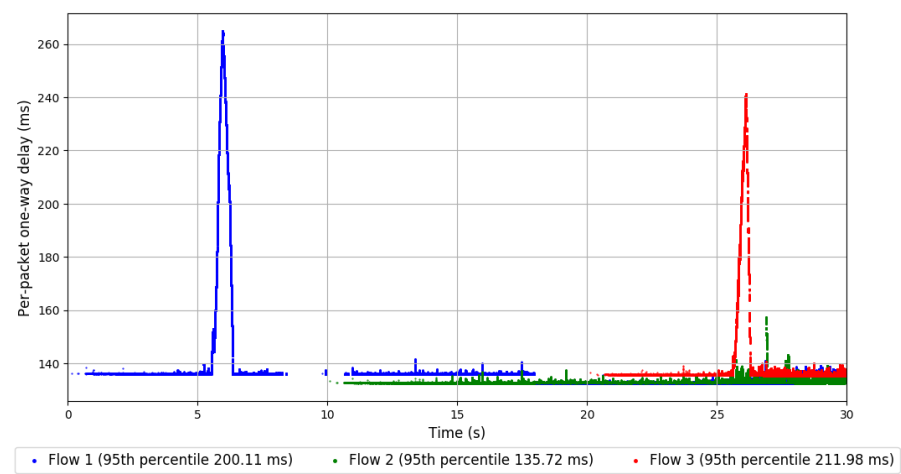
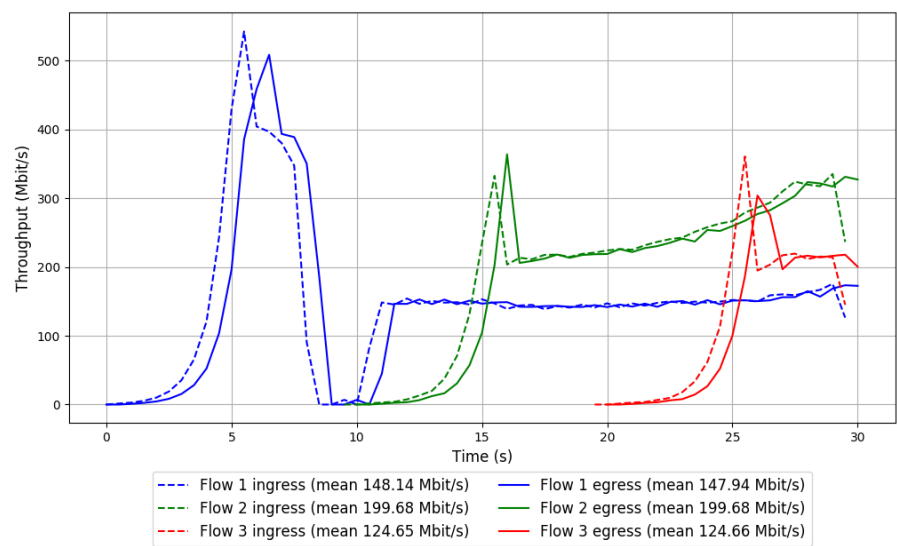


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-02 09:39:56
End at: 2018-08-02 09:40:26
Local clock offset: 0.01 ms
Remote clock offset: -0.332 ms

Below is generated by plot.py at 2018-08-02 13:47:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 322.08 Mbit/s
95th percentile per-packet one-way delay: 156.507 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 147.94 Mbit/s
95th percentile per-packet one-way delay: 200.114 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 199.68 Mbit/s
95th percentile per-packet one-way delay: 135.715 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 124.66 Mbit/s
95th percentile per-packet one-way delay: 211.976 ms
Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link

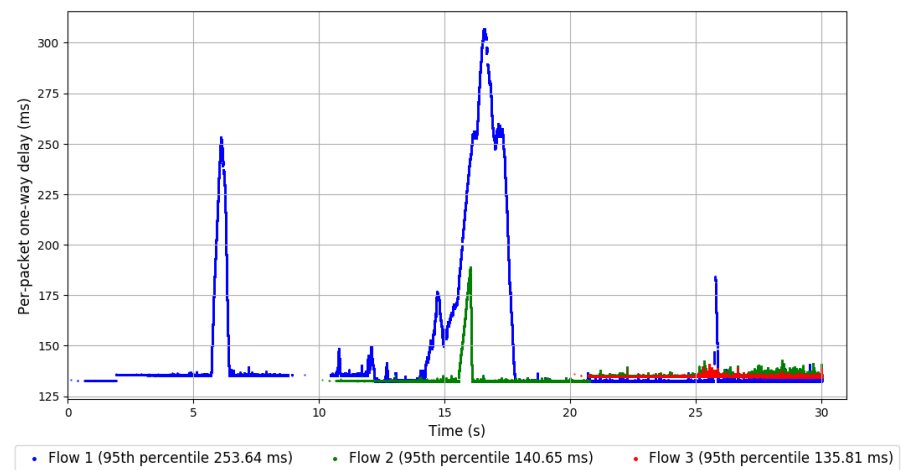
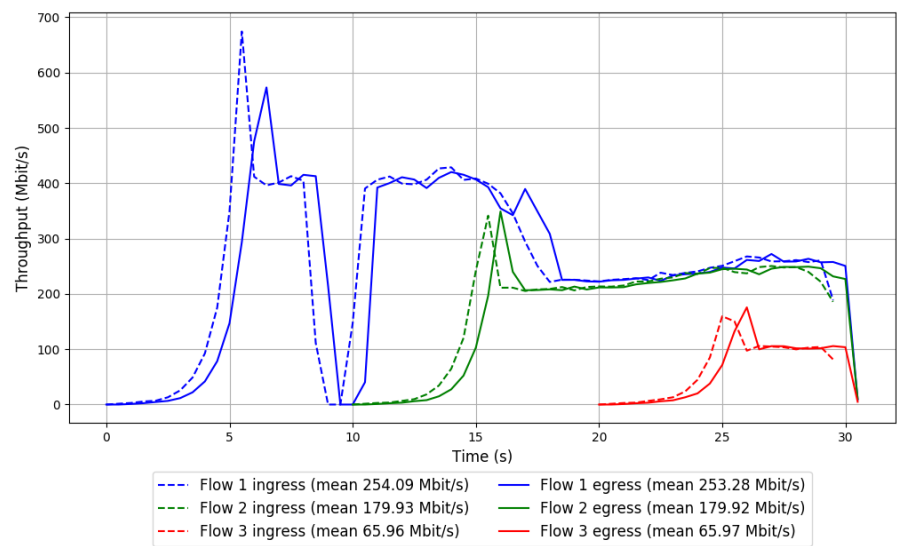


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-02 10:06:12
End at: 2018-08-02 10:06:42
Local clock offset: -5.189 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-08-02 13:48:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 394.69 Mbit/s
95th percentile per-packet one-way delay: 239.585 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 253.28 Mbit/s
95th percentile per-packet one-way delay: 253.641 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 179.92 Mbit/s
95th percentile per-packet one-way delay: 140.645 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 65.97 Mbit/s
95th percentile per-packet one-way delay: 135.806 ms
Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link

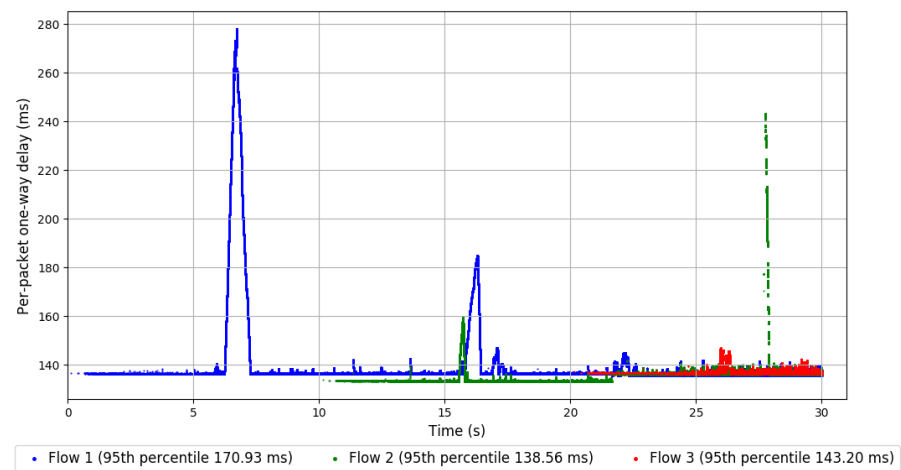
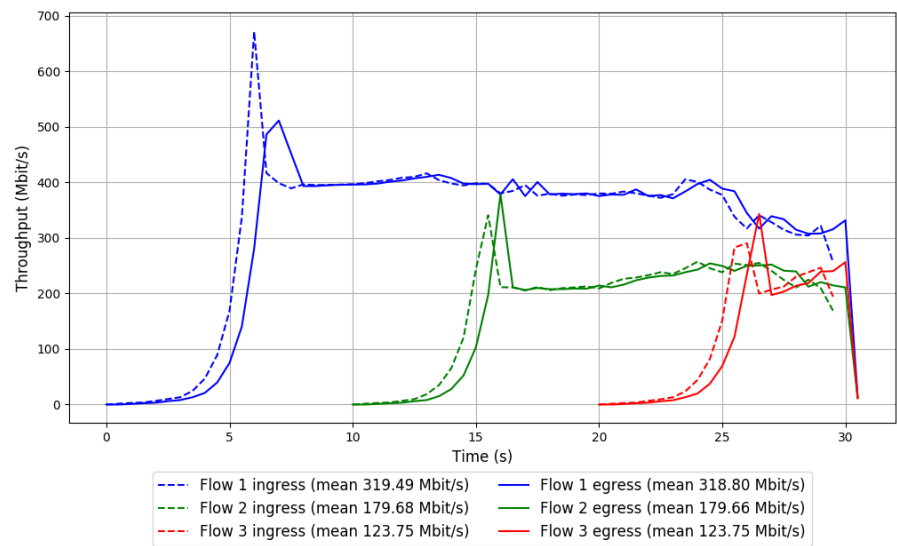


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-02 10:32:32
End at: 2018-08-02 10:33:02
Local clock offset: -7.102 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-08-02 13:48:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 479.13 Mbit/s
95th percentile per-packet one-way delay: 153.946 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 318.80 Mbit/s
95th percentile per-packet one-way delay: 170.927 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 179.66 Mbit/s
95th percentile per-packet one-way delay: 138.559 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 123.75 Mbit/s
95th percentile per-packet one-way delay: 143.196 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

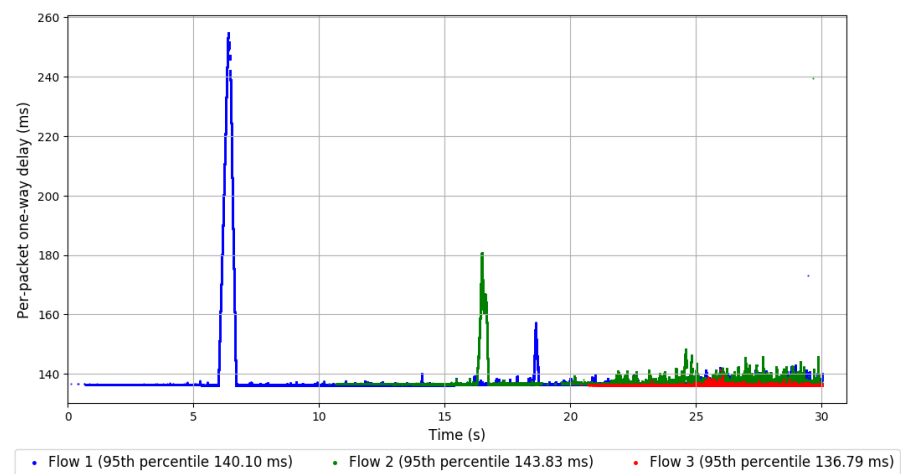
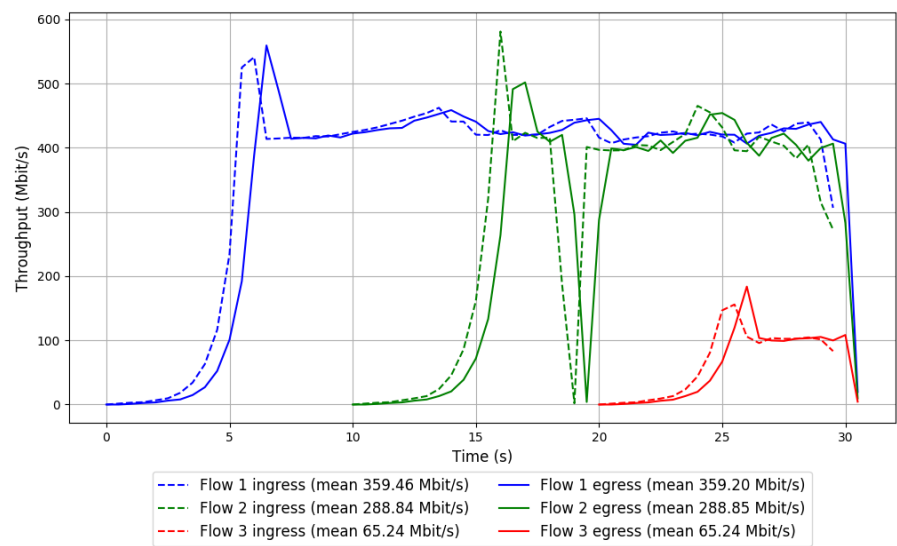


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-02 10:59:58
End at: 2018-08-02 11:00:28
Local clock offset: -4.616 ms
Remote clock offset: -1.659 ms

Below is generated by plot.py at 2018-08-02 13:49:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 572.82 Mbit/s
95th percentile per-packet one-way delay: 141.697 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 359.20 Mbit/s
95th percentile per-packet one-way delay: 140.096 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 288.85 Mbit/s
95th percentile per-packet one-way delay: 143.827 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 65.24 Mbit/s
95th percentile per-packet one-way delay: 136.786 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link

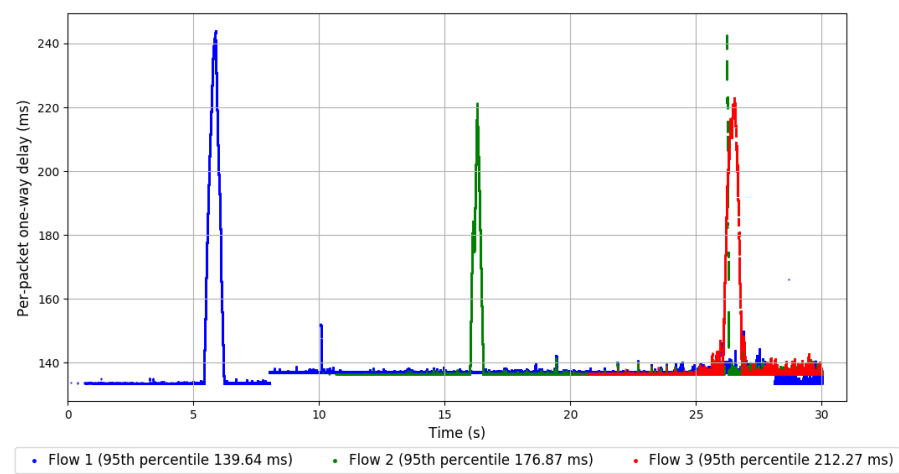
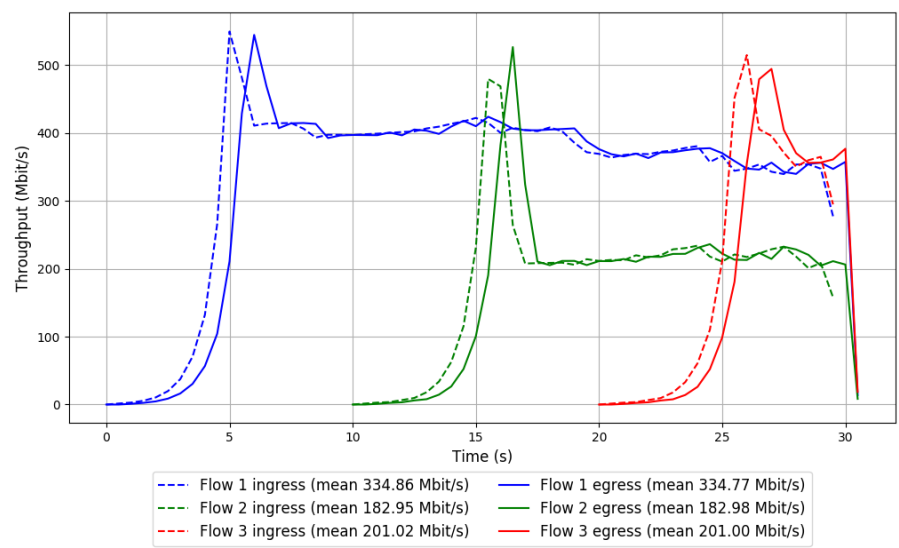


Run 10: Statistics of PCC-Vivace

Start at: 2018-08-02 11:27:26
End at: 2018-08-02 11:27:56
Local clock offset: -4.447 ms
Remote clock offset: -3.469 ms

Below is generated by plot.py at 2018-08-02 13:49:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 522.75 Mbit/s
95th percentile per-packet one-way delay: 174.261 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 334.77 Mbit/s
95th percentile per-packet one-way delay: 139.638 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 182.98 Mbit/s
95th percentile per-packet one-way delay: 176.867 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 201.00 Mbit/s
95th percentile per-packet one-way delay: 212.274 ms
Loss rate: 0.03%

Run 10: Report of PCC-Vivace — Data Link

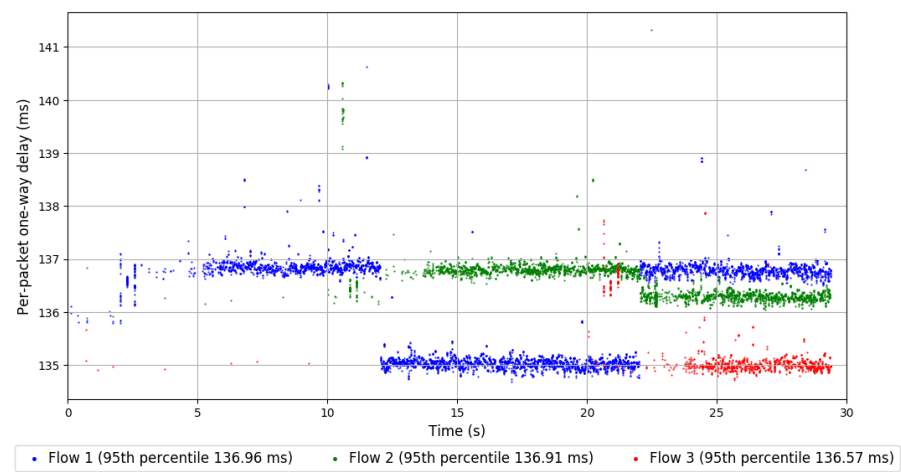
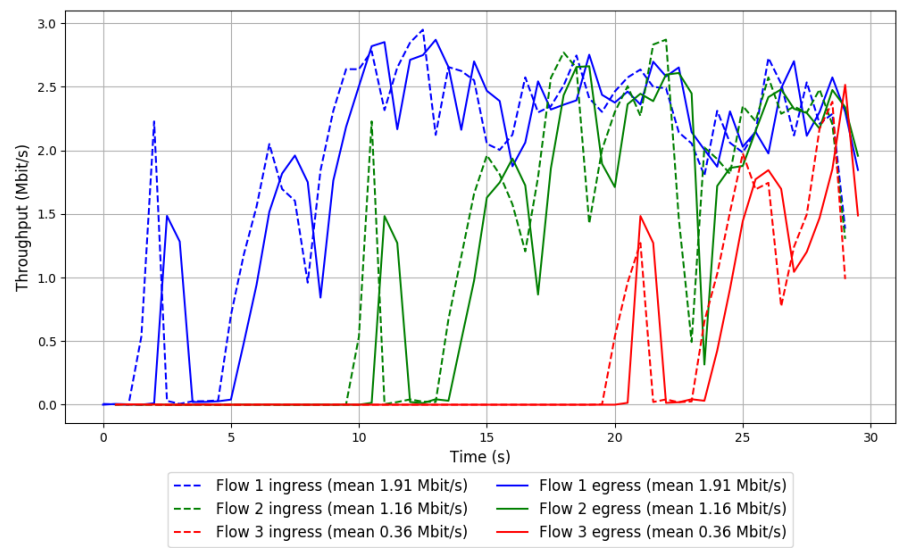


```
Run 1: Statistics of WebRTC media

Start at: 2018-08-02 07:10:31
End at: 2018-08-02 07:11:01
Local clock offset: 0.066 ms
Remote clock offset: -0.035 ms

# Below is generated by plot.py at 2018-08-02 13:49:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.40 Mbit/s
95th percentile per-packet one-way delay: 136.934 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 136.955 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 136.912 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 136.575 ms
Loss rate: 0.00%
```


Run 1: Report of WebRTC media — Data Link

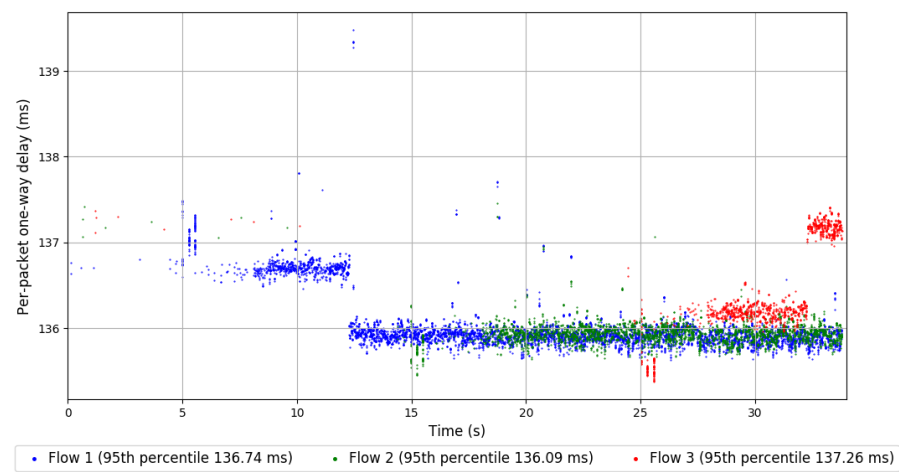
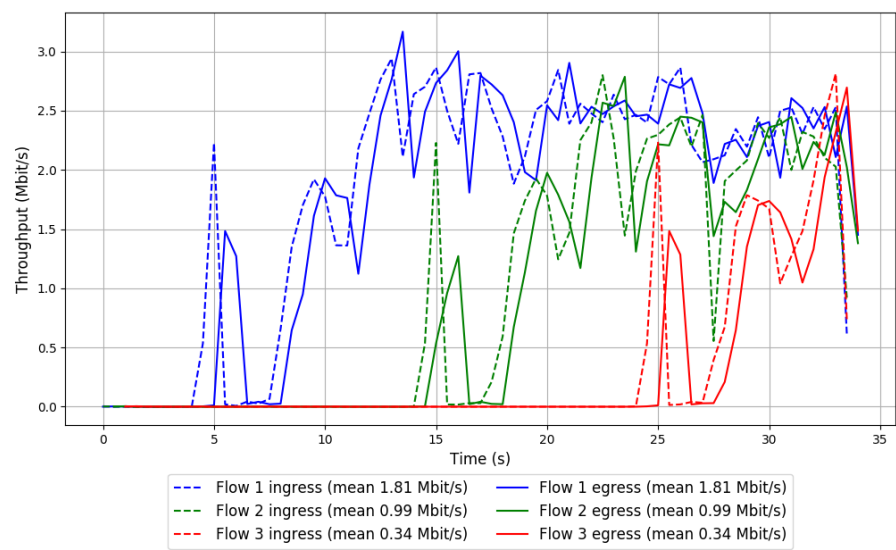


Run 2: Statistics of WebRTC media

Start at: 2018-08-02 07:37:55
End at: 2018-08-02 07:38:25
Local clock offset: -0.166 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-08-02 13:49:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.12 Mbit/s
95th percentile per-packet one-way delay: 136.906 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 136.740 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 136.094 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 137.262 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

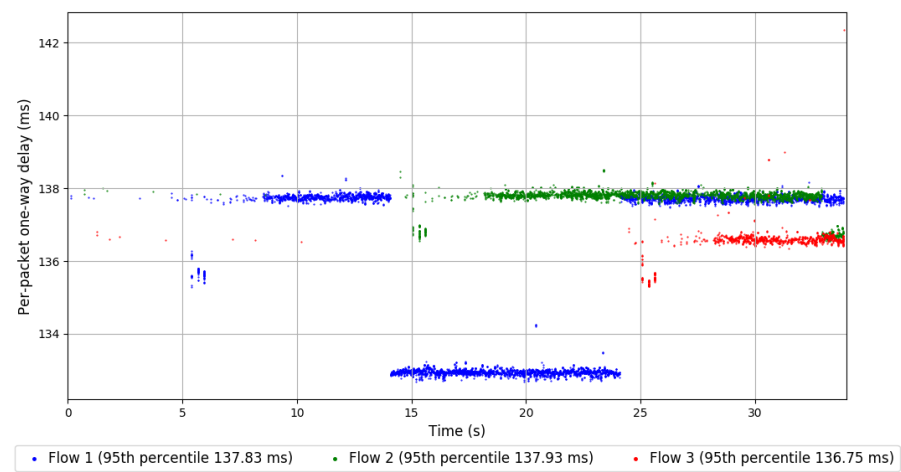
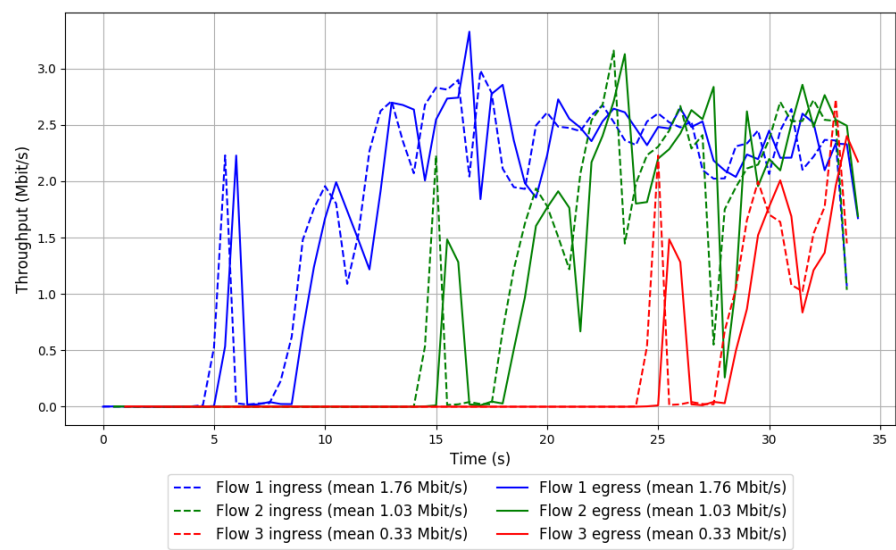


Run 3: Statistics of WebRTC media

Start at: 2018-08-02 08:05:03
End at: 2018-08-02 08:05:34
Local clock offset: -0.09 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-08-02 13:49:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.09 Mbit/s
95th percentile per-packet one-way delay: 137.888 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 137.831 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.03 Mbit/s
95th percentile per-packet one-way delay: 137.934 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 136.745 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

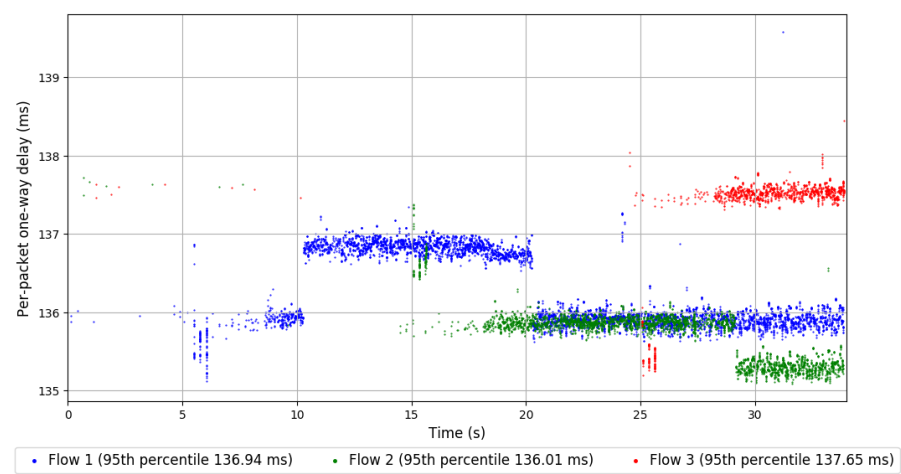
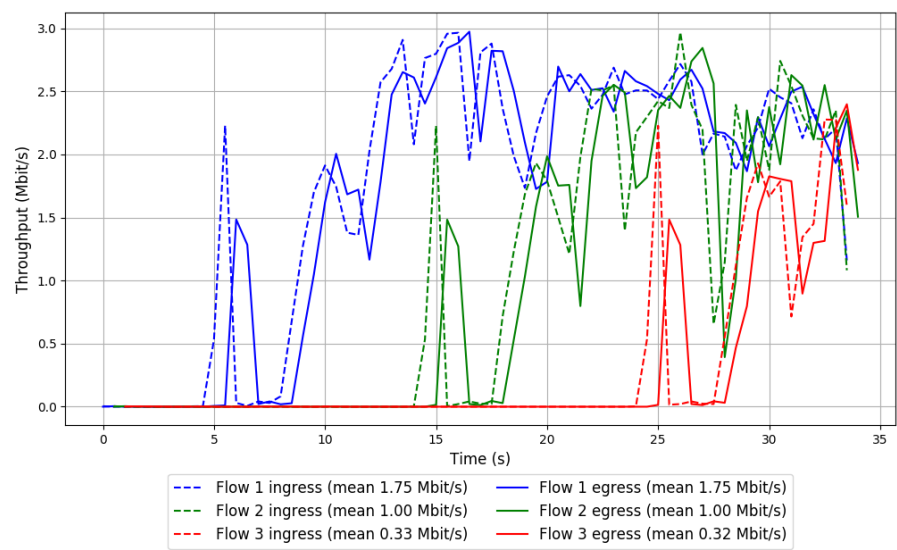


Run 4: Statistics of WebRTC media

Start at: 2018-08-02 08:32:17
End at: 2018-08-02 08:32:47
Local clock offset: 0.133 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-08-02 13:49:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 137.525 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 1.75 Mbit/s
95th percentile per-packet one-way delay: 136.941 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 136.013 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 137.653 ms
Loss rate: 0.64%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-08-02 08:59:27

End at: 2018-08-02 08:59:57

Local clock offset: 0.076 ms

Remote clock offset: 0.26 ms

Below is generated by plot.py at 2018-08-02 13:49:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.06 Mbit/s

95th percentile per-packet one-way delay: 137.979 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.75 Mbit/s

95th percentile per-packet one-way delay: 137.966 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.01 Mbit/s

95th percentile per-packet one-way delay: 137.999 ms

Loss rate: 0.00%

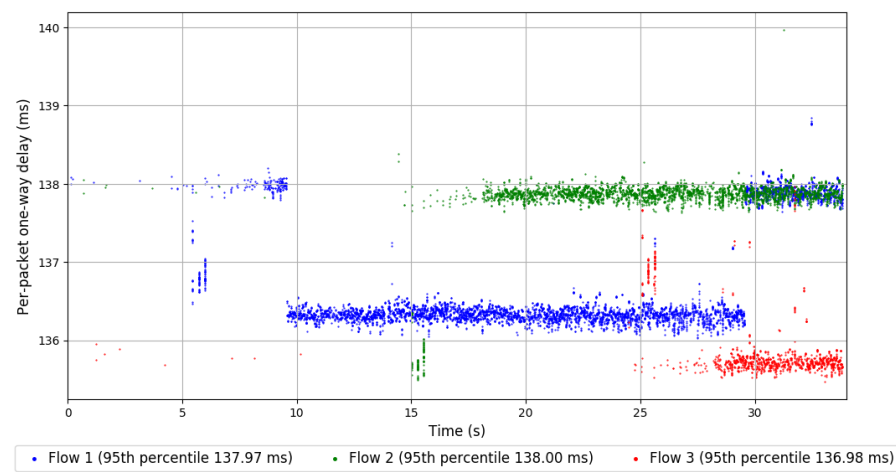
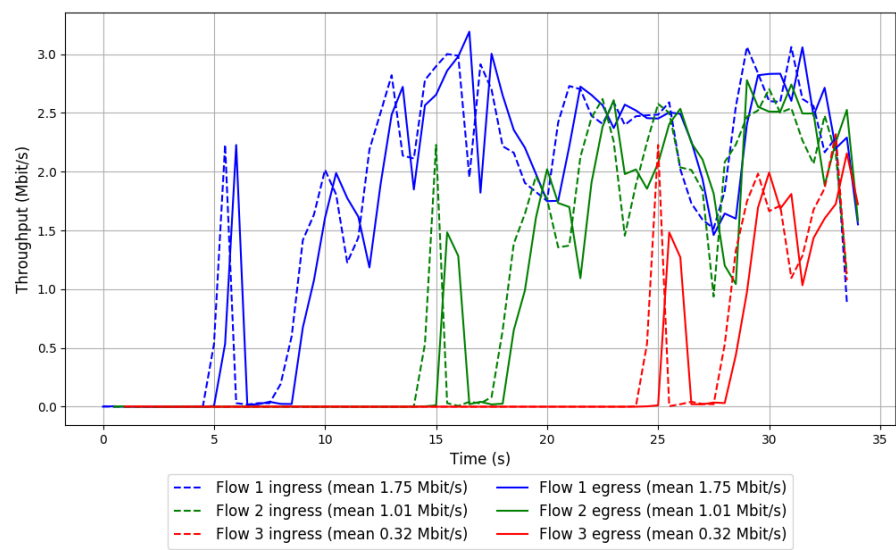
-- Flow 3:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 136.979 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-08-02 09:26:02

End at: 2018-08-02 09:26:32

Local clock offset: -0.019 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-08-02 13:49:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.19 Mbit/s

95th percentile per-packet one-way delay: 136.707 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 135.929 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.04 Mbit/s

95th percentile per-packet one-way delay: 136.775 ms

Loss rate: 0.00%

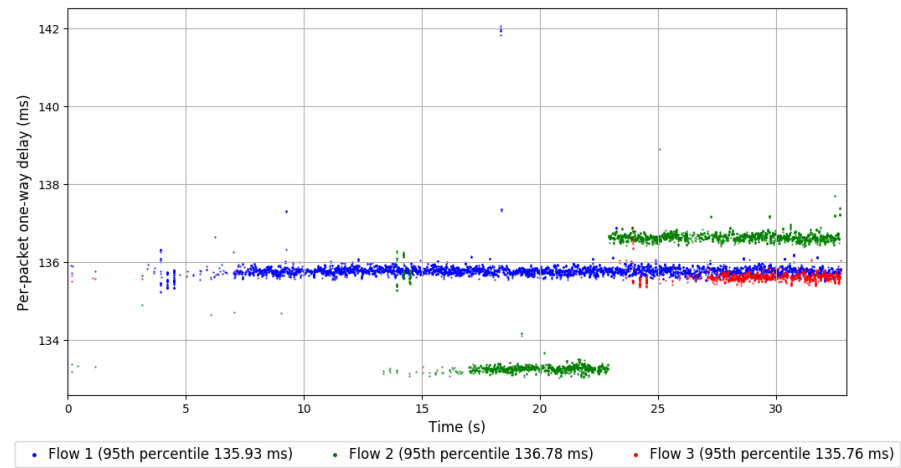
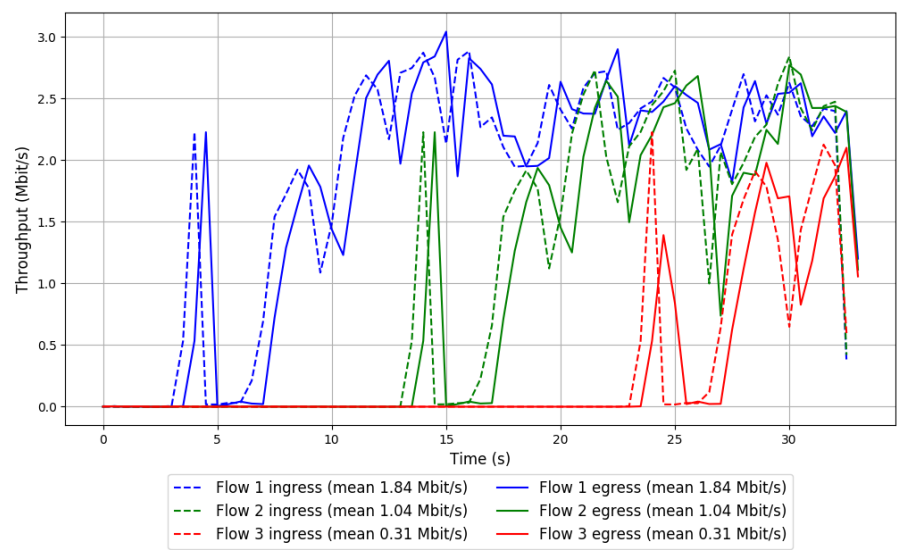
-- Flow 3:

Average throughput: 0.31 Mbit/s

95th percentile per-packet one-way delay: 135.759 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

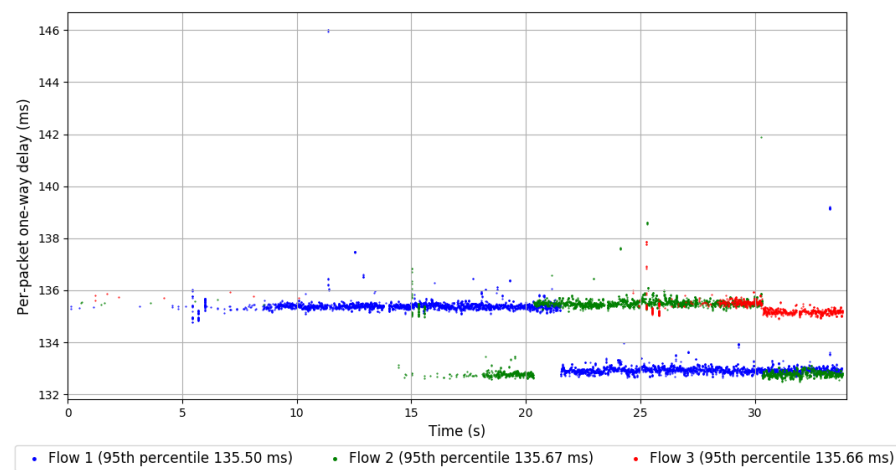
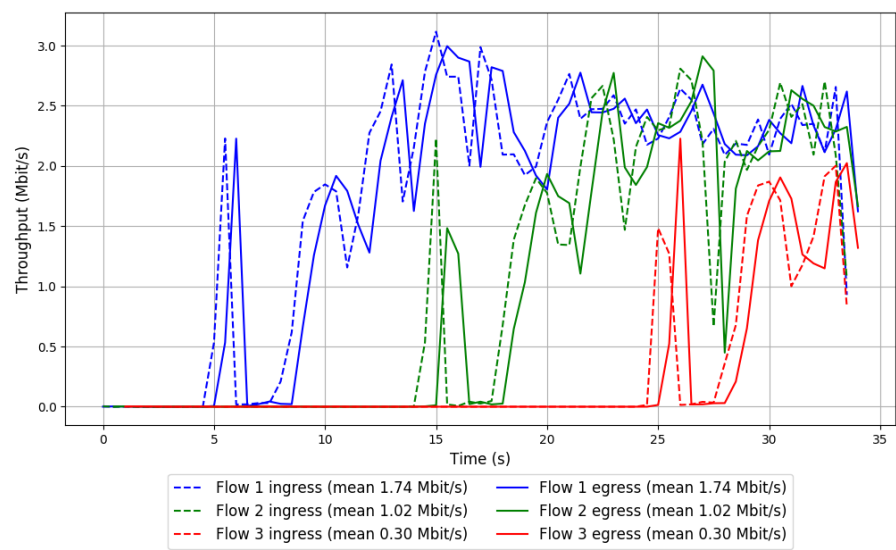


Run 7: Statistics of WebRTC media

Start at: 2018-08-02 09:52:26
End at: 2018-08-02 09:52:56
Local clock offset: 0.122 ms
Remote clock offset: -0.437 ms

Below is generated by plot.py at 2018-08-02 13:49:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.03 Mbit/s
95th percentile per-packet one-way delay: 135.608 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 135.500 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 135.672 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 135.656 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

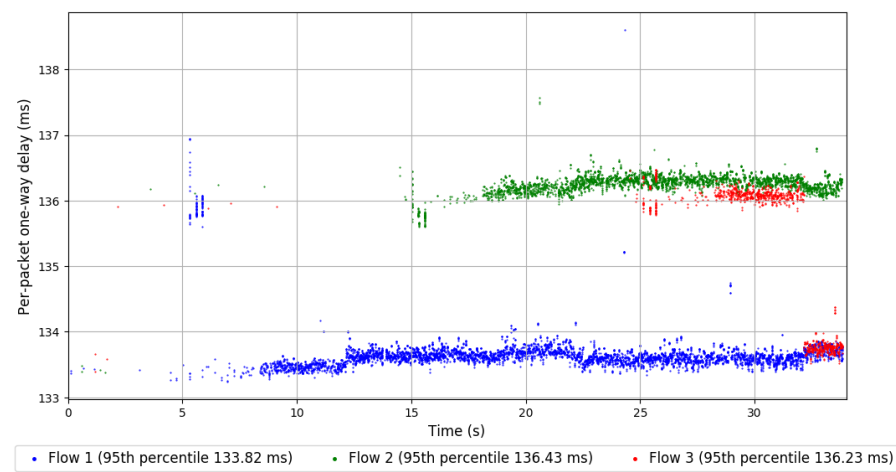
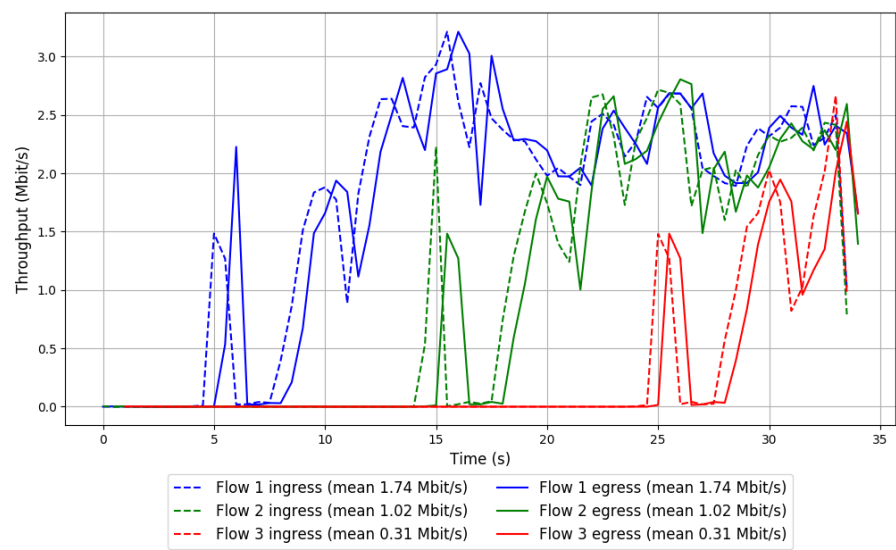


Run 8: Statistics of WebRTC media

Start at: 2018-08-02 10:18:44
End at: 2018-08-02 10:19:14
Local clock offset: -8.368 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-08-02 13:49:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 136.366 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 133.816 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 136.428 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 136.229 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-08-02 10:45:16

End at: 2018-08-02 10:45:46

Local clock offset: -9.77 ms

Remote clock offset: -1.86 ms

Below is generated by plot.py at 2018-08-02 13:49:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.08 Mbit/s

95th percentile per-packet one-way delay: 136.102 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.72 Mbit/s

95th percentile per-packet one-way delay: 136.100 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.05 Mbit/s

95th percentile per-packet one-way delay: 136.056 ms

Loss rate: 0.00%

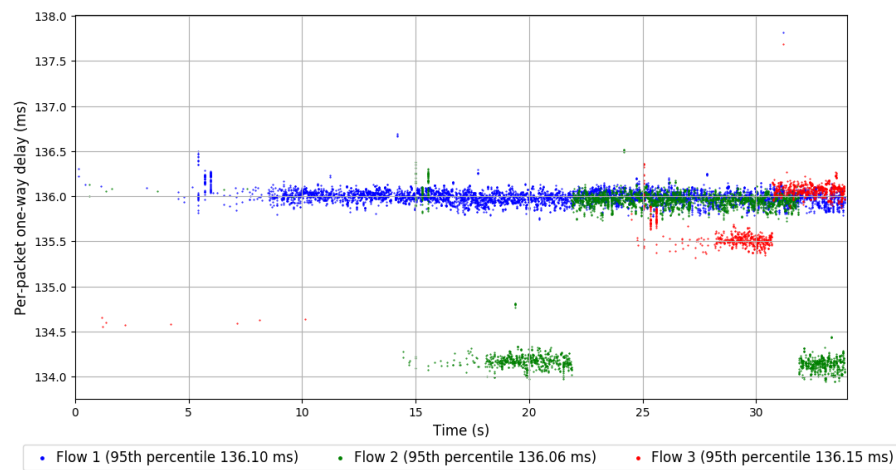
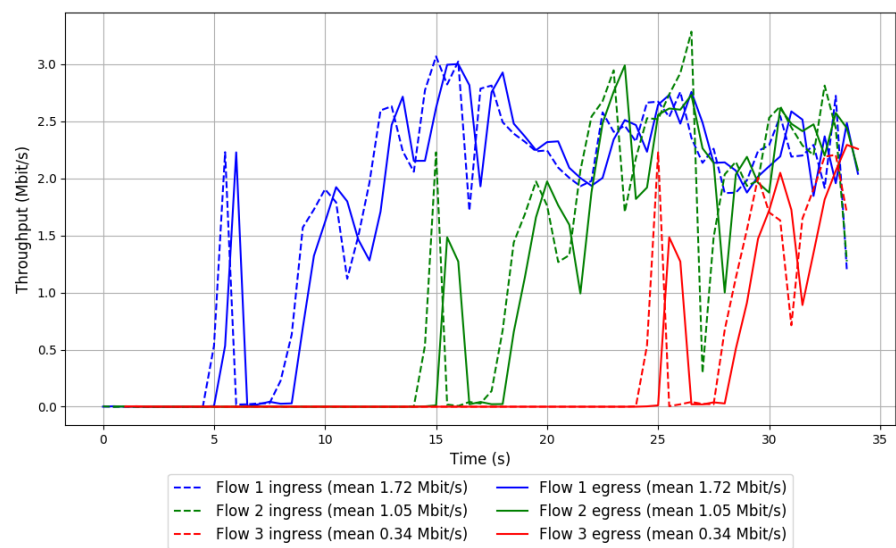
-- Flow 3:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 136.148 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-02 11:12:54
End at: 2018-08-02 11:13:24
Local clock offset: -3.638 ms
Remote clock offset: -2.203 ms

Below is generated by plot.py at 2018-08-02 13:49:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.12 Mbit/s
95th percentile per-packet one-way delay: 136.637 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 136.541 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.05 Mbit/s
95th percentile per-packet one-way delay: 136.596 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 136.738 ms
Loss rate: 0.22%

Run 10: Report of WebRTC media — Data Link

