

Pantheon Report

Generated at 2018-07-01 10:26:23 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

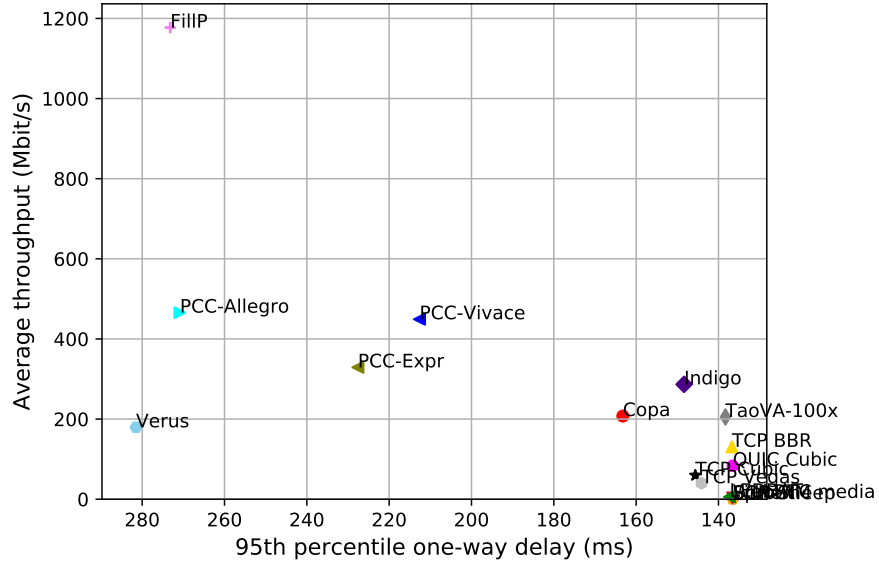
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

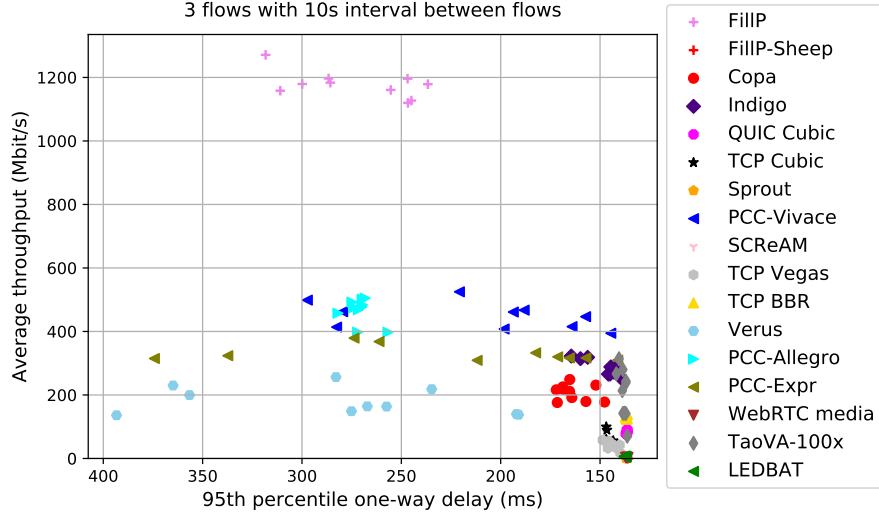
Git summary:

```
branch: master @ 715dc5f09d172e419699f6f17f1cb4c45064f212
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 30060ab034deb3424347f5cc3db86198eac35d2a
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



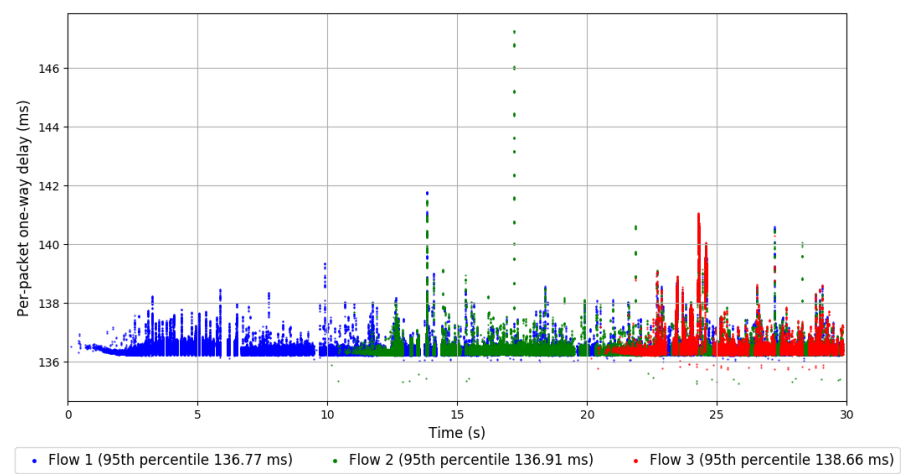
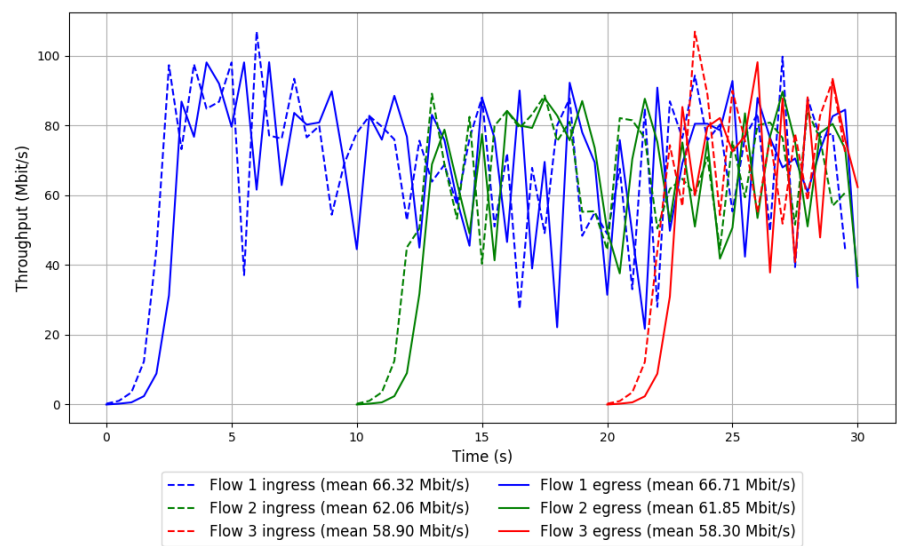
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	67.03	66.06	61.06	136.59	136.70	137.24	1.05	1.47	3.39
Copa	10	115.30	110.86	61.91	162.55	159.60	165.33	0.95	1.24	3.25
TCP Cubic	10	31.07	25.67	35.54	143.95	144.63	145.80	0.63	1.02	3.05
FillP	10	640.65	586.52	455.25	264.87	277.53	263.19	6.67	7.55	8.84
FillP-Sheep	10	0.00	0.00	0.00	136.24	136.12	136.36	0.00	0.00	3.80
Indigo	10	143.00	150.10	136.61	144.13	149.75	154.96	0.93	1.42	3.41
LEDBAT	10	3.67	2.52	1.49	137.40	137.18	136.90	1.63	2.61	5.41
PCC-Allegro	10	403.00	78.55	32.94	272.37	263.65	262.58	3.42	2.96	4.87
PCC-Expr	10	229.68	123.89	53.61	228.48	173.32	164.25	2.52	1.58	3.29
QUIC Cubic	10	45.08	43.08	29.86	136.44	136.12	136.09	1.22	2.31	2.53
SCReAM	10	0.22	0.22	0.22	136.44	136.14	136.22	0.89	1.43	2.59
Sprout	10	0.16	0.17	0.22	136.41	136.45	136.51	0.81	1.46	2.15
TaoVA-100x	10	105.24	120.22	62.27	137.89	138.09	138.03	0.80	1.21	3.11
TCP Vegas	10	13.01	23.85	34.02	141.77	141.68	144.98	0.51	0.85	2.11
Verus	10	108.59	83.21	49.72	273.57	268.26	220.05	7.05	2.64	5.93
PCC-Vivace	10	257.90	233.94	112.55	192.60	223.11	149.76	1.87	3.37	4.78
WebRTC media	10	1.79	1.08	0.37	136.47	136.30	136.46	1.62	1.95	5.08

Run 1: Statistics of TCP BBR

Start at: 2018-07-01 04:10:45
End at: 2018-07-01 04:11:15
Local clock offset: 0.206 ms
Remote clock offset: -0.265 ms

Below is generated by plot.py at 2018-07-01 08:35:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 126.49 Mbit/s
95th percentile per-packet one-way delay: 137.049 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 66.71 Mbit/s
95th percentile per-packet one-way delay: 136.772 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 61.85 Mbit/s
95th percentile per-packet one-way delay: 136.906 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 58.30 Mbit/s
95th percentile per-packet one-way delay: 138.661 ms
Loss rate: 3.72%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-01 04:36:28

End at: 2018-07-01 04:36:58

Local clock offset: -0.055 ms

Remote clock offset: 0.39 ms

Below is generated by plot.py at 2018-07-01 08:35:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 125.92 Mbit/s

95th percentile per-packet one-way delay: 136.314 ms

Loss rate: 1.79%

-- Flow 1:

Average throughput: 65.26 Mbit/s

95th percentile per-packet one-way delay: 136.137 ms

Loss rate: 1.09%

-- Flow 2:

Average throughput: 64.02 Mbit/s

95th percentile per-packet one-way delay: 136.266 ms

Loss rate: 1.88%

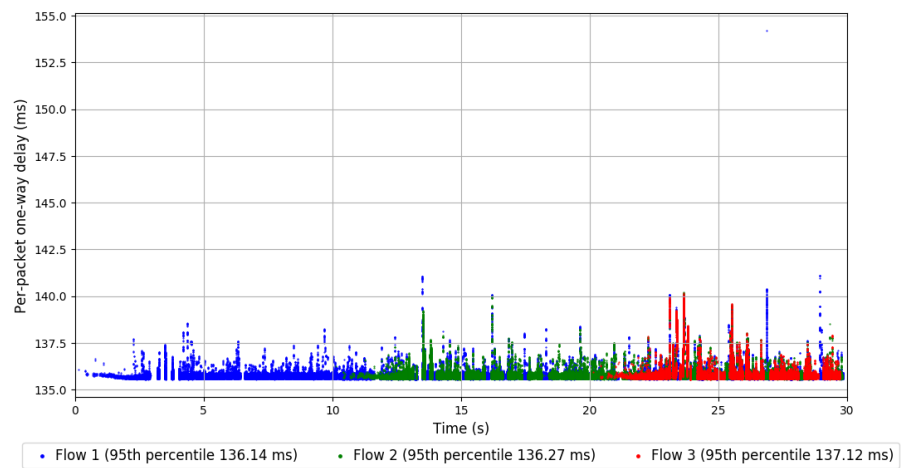
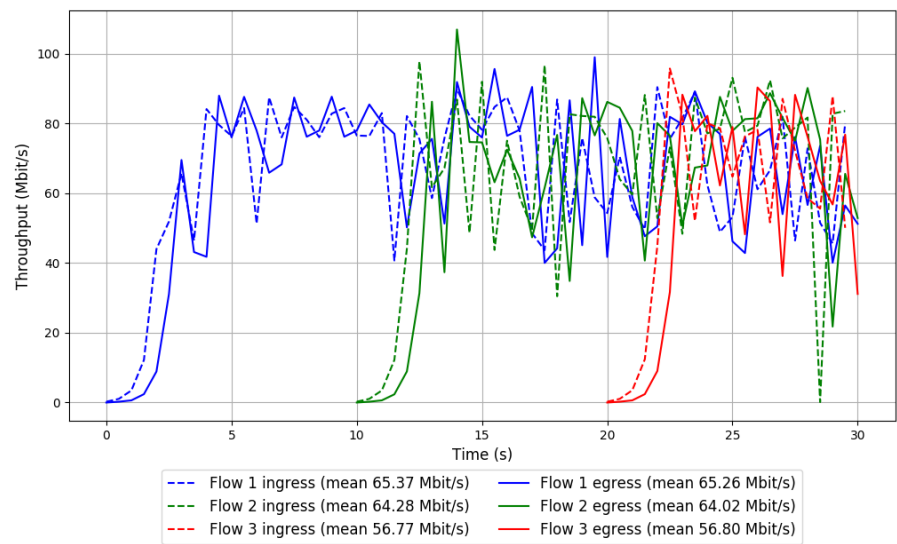
-- Flow 3:

Average throughput: 56.80 Mbit/s

95th percentile per-packet one-way delay: 137.117 ms

Loss rate: 4.04%

Run 2: Report of TCP BBR — Data Link

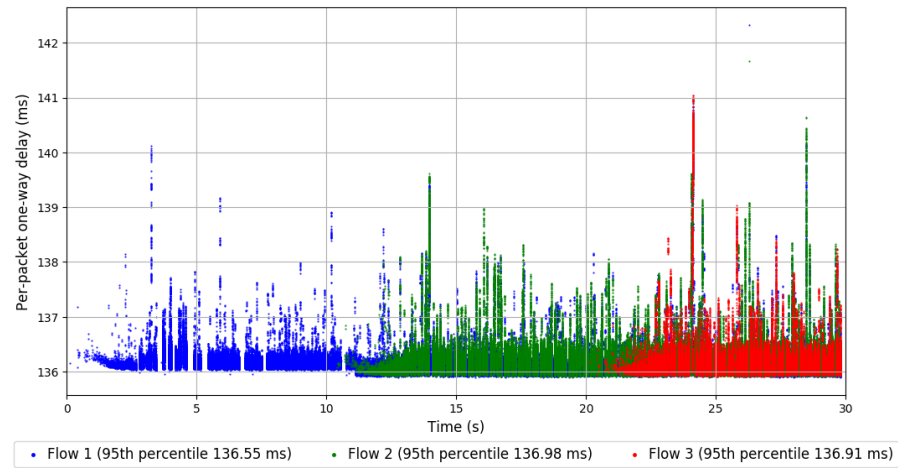
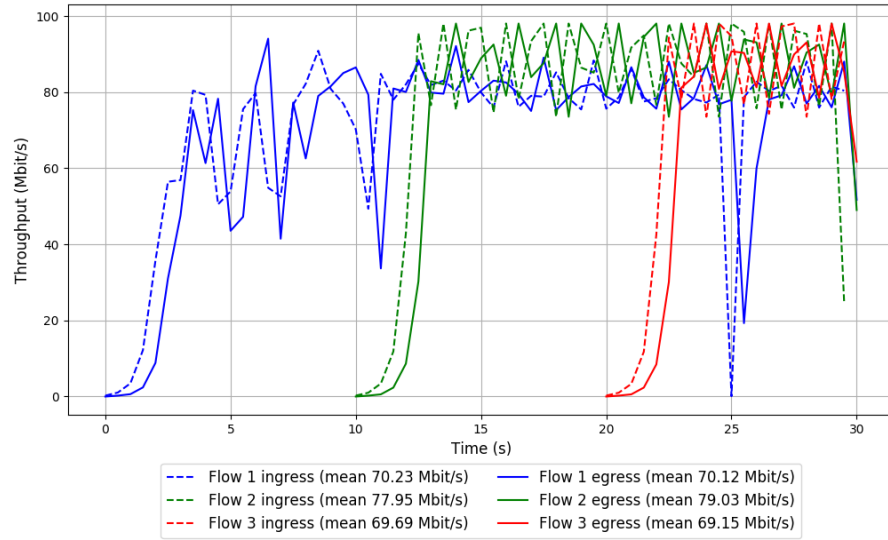


Run 3: Statistics of TCP BBR

Start at: 2018-07-01 05:02:09
End at: 2018-07-01 05:02:39
Local clock offset: -0.138 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-01 08:35:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 144.82 Mbit/s
95th percentile per-packet one-way delay: 136.771 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 70.12 Mbit/s
95th percentile per-packet one-way delay: 136.548 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 79.03 Mbit/s
95th percentile per-packet one-way delay: 136.983 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 69.15 Mbit/s
95th percentile per-packet one-way delay: 136.909 ms
Loss rate: 3.54%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-01 05:27:52

End at: 2018-07-01 05:28:22

Local clock offset: 0.039 ms

Remote clock offset: 0.086 ms

Below is generated by plot.py at 2018-07-01 08:35:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 124.31 Mbit/s

95th percentile per-packet one-way delay: 136.704 ms

Loss rate: 1.76%

-- Flow 1:

Average throughput: 63.60 Mbit/s

95th percentile per-packet one-way delay: 136.630 ms

Loss rate: 1.14%

-- Flow 2:

Average throughput: 63.84 Mbit/s

95th percentile per-packet one-way delay: 136.708 ms

Loss rate: 1.63%

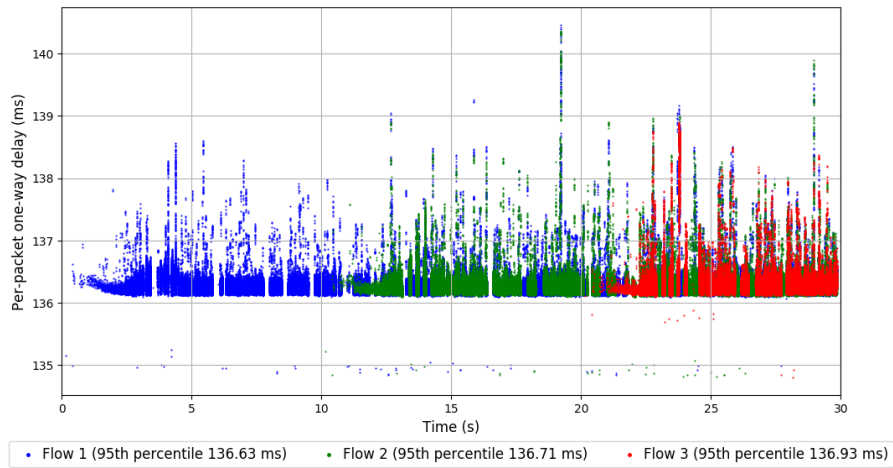
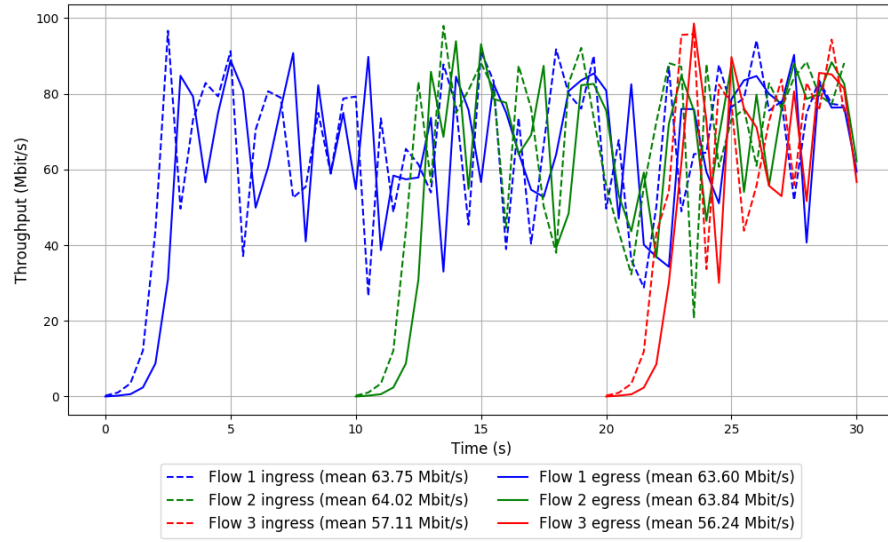
-- Flow 3:

Average throughput: 56.24 Mbit/s

95th percentile per-packet one-way delay: 136.930 ms

Loss rate: 4.12%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-01 05:53:29

End at: 2018-07-01 05:53:59

Local clock offset: 0.416 ms

Remote clock offset: 0.097 ms

Below is generated by plot.py at 2018-07-01 08:35:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 133.56 Mbit/s

95th percentile per-packet one-way delay: 137.122 ms

Loss rate: 1.67%

-- Flow 1:

Average throughput: 66.37 Mbit/s

95th percentile per-packet one-way delay: 136.789 ms

Loss rate: 1.08%

-- Flow 2:

Average throughput: 67.47 Mbit/s

95th percentile per-packet one-way delay: 136.919 ms

Loss rate: 1.59%

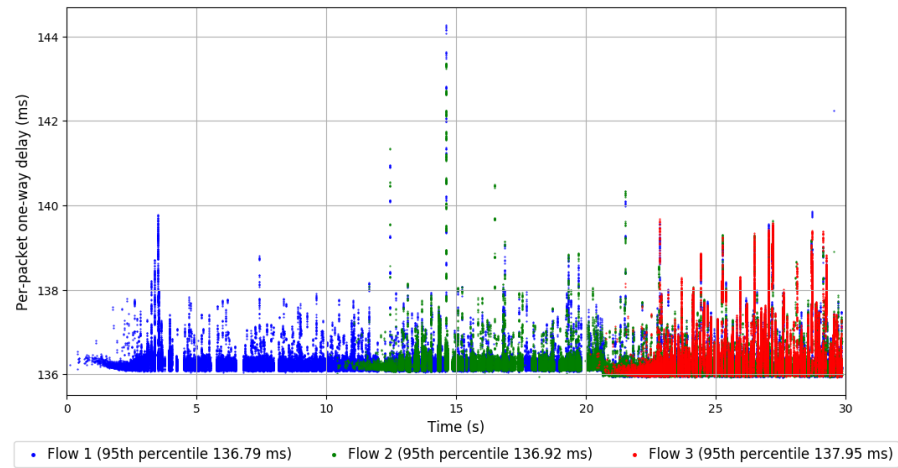
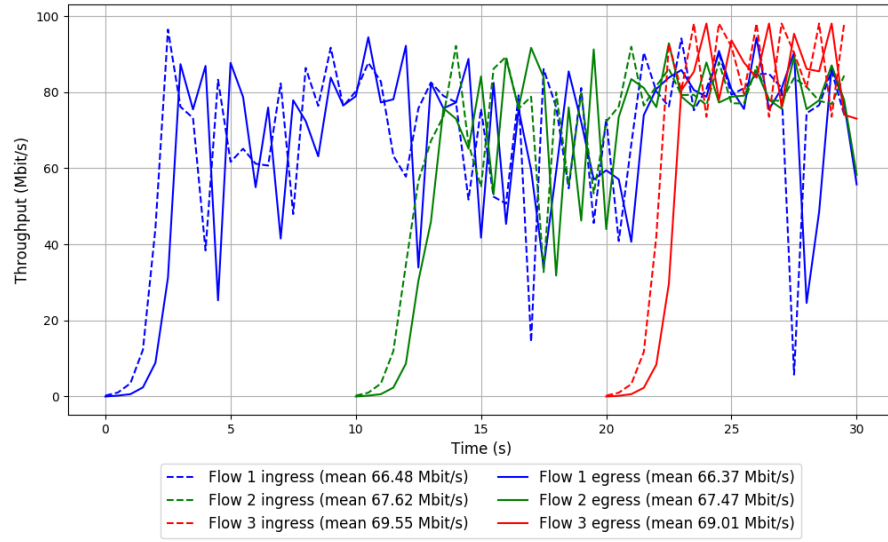
-- Flow 3:

Average throughput: 69.01 Mbit/s

95th percentile per-packet one-way delay: 137.951 ms

Loss rate: 3.54%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-01 06:19:17

End at: 2018-07-01 06:19:47

Local clock offset: 0.374 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-07-01 08:35:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 123.81 Mbit/s

95th percentile per-packet one-way delay: 136.552 ms

Loss rate: 1.59%

-- Flow 1:

Average throughput: 65.17 Mbit/s

95th percentile per-packet one-way delay: 136.517 ms

Loss rate: 1.10%

-- Flow 2:

Average throughput: 61.13 Mbit/s

95th percentile per-packet one-way delay: 136.563 ms

Loss rate: 1.55%

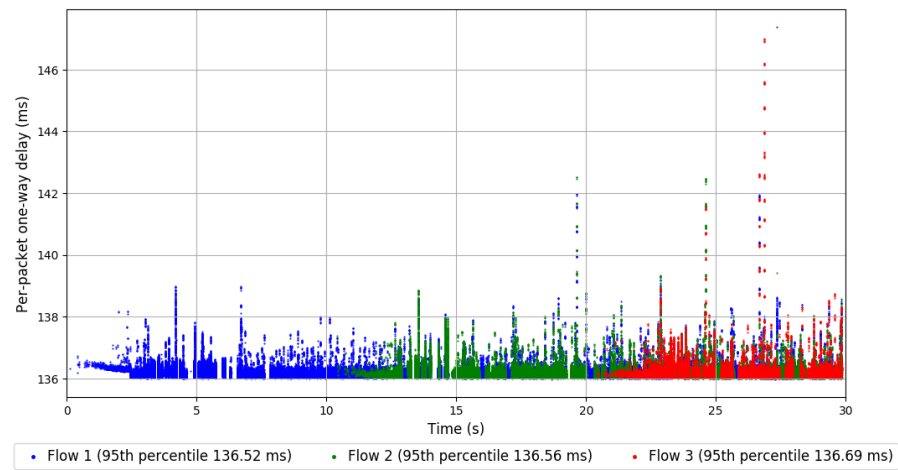
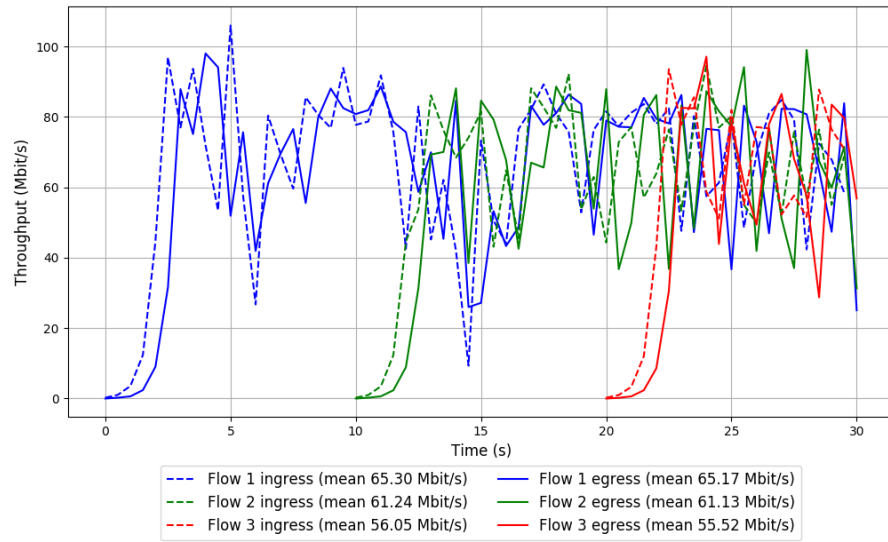
-- Flow 3:

Average throughput: 55.52 Mbit/s

95th percentile per-packet one-way delay: 136.694 ms

Loss rate: 3.42%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-01 06:45:20

End at: 2018-07-01 06:45:50

Local clock offset: 0.353 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-01 08:35:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 133.05 Mbit/s

95th percentile per-packet one-way delay: 136.750 ms

Loss rate: 1.62%

-- Flow 1:

Average throughput: 69.28 Mbit/s

95th percentile per-packet one-way delay: 136.714 ms

Loss rate: 1.07%

-- Flow 2:

Average throughput: 64.69 Mbit/s

95th percentile per-packet one-way delay: 136.723 ms

Loss rate: 1.67%

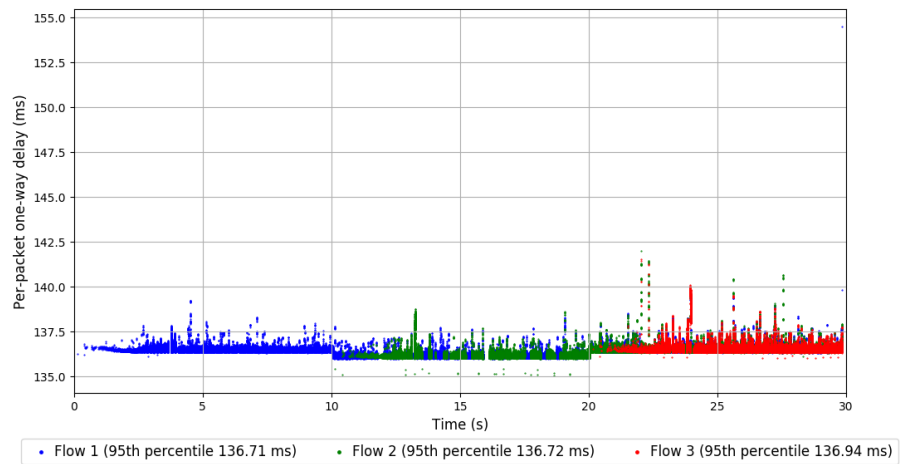
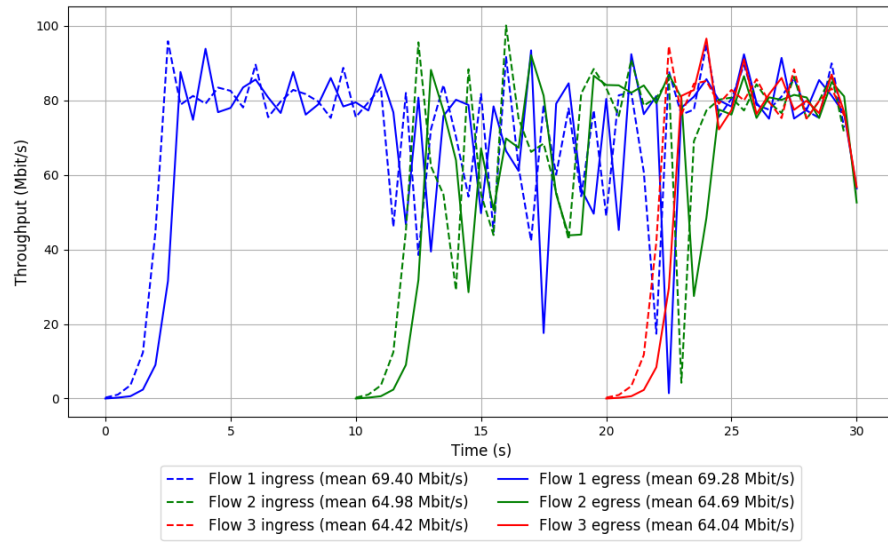
-- Flow 3:

Average throughput: 64.04 Mbit/s

95th percentile per-packet one-way delay: 136.937 ms

Loss rate: 3.32%

Run 7: Report of TCP BBR — Data Link

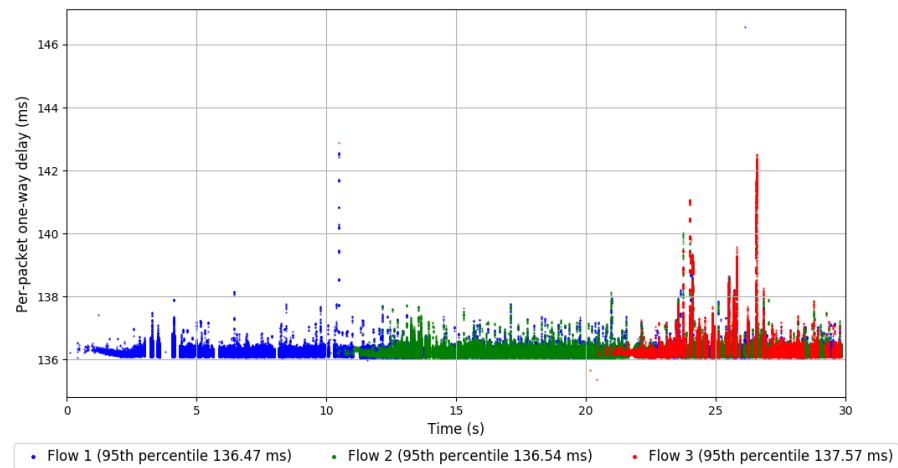
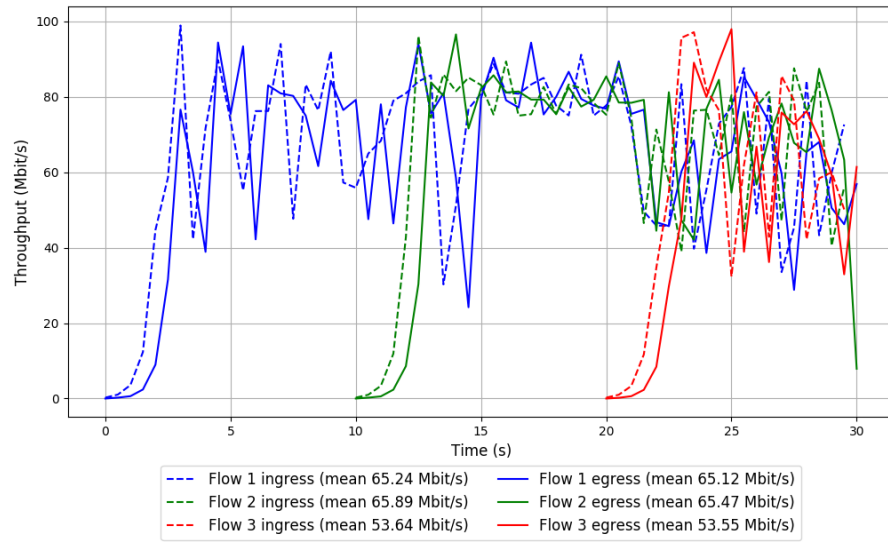


Run 8: Statistics of TCP BBR

Start at: 2018-07-01 07:10:49
End at: 2018-07-01 07:11:19
Local clock offset: -0.018 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-01 08:35:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 125.94 Mbit/s
95th percentile per-packet one-way delay: 136.602 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 65.12 Mbit/s
95th percentile per-packet one-way delay: 136.471 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 65.47 Mbit/s
95th percentile per-packet one-way delay: 136.545 ms
Loss rate: 1.85%
-- Flow 3:
Average throughput: 53.55 Mbit/s
95th percentile per-packet one-way delay: 137.567 ms
Loss rate: 1.52%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-01 07:36:48

End at: 2018-07-01 07:37:18

Local clock offset: 0.126 ms

Remote clock offset: 0.446 ms

Below is generated by plot.py at 2018-07-01 08:37:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 138.25 Mbit/s

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

Loss rate: 1.64%

-- Flow 1:

Average throughput: 70.83 Mbit/s

95th percentile per-packet one-way delay: 136.255 ms

Loss rate: 1.13%

-- Flow 2:

Average throughput: 70.29 Mbit/s

95th percentile per-packet one-way delay: 136.293 ms

Loss rate: 1.64%

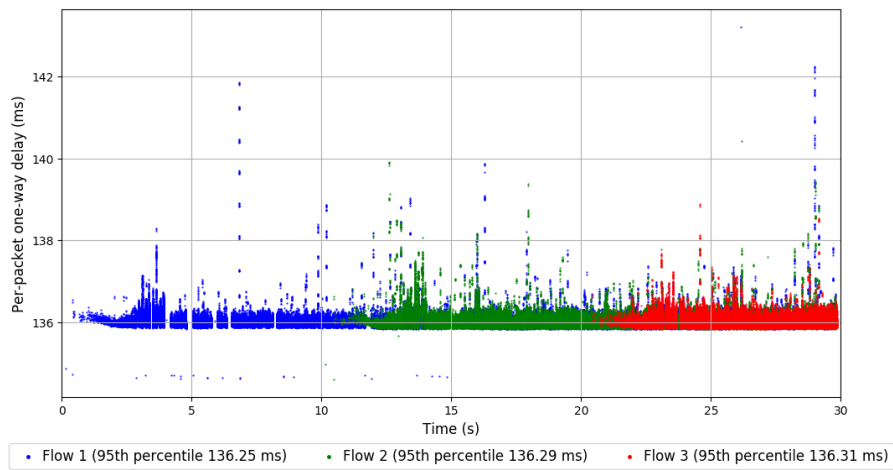
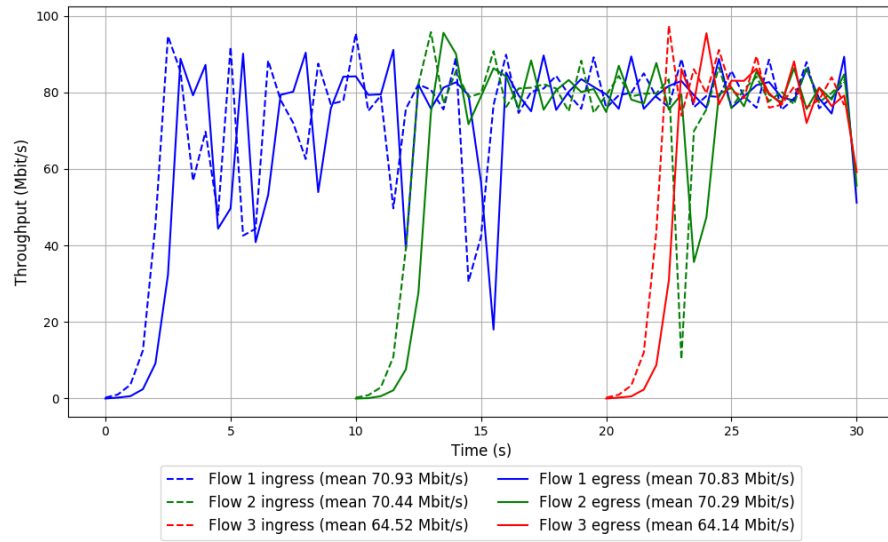
-- Flow 3:

Average throughput: 64.14 Mbit/s

95th percentile per-packet one-way delay: 136.311 ms

Loss rate: 3.31%

Run 9: Report of TCP BBR — Data Link

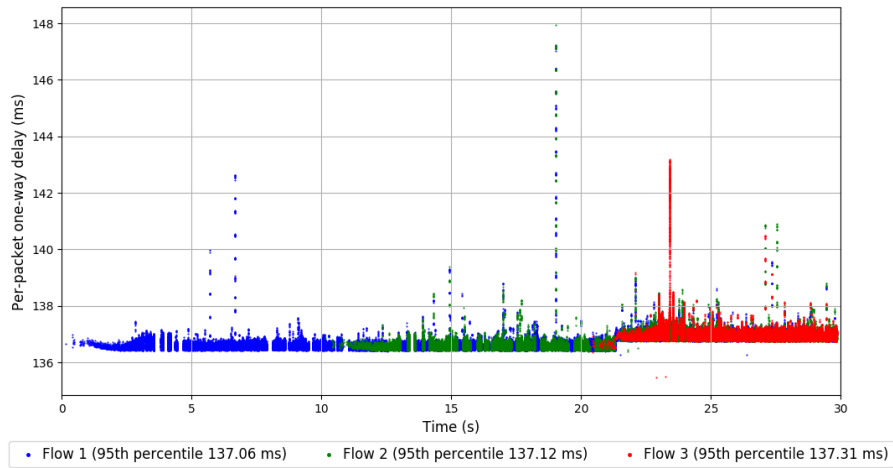
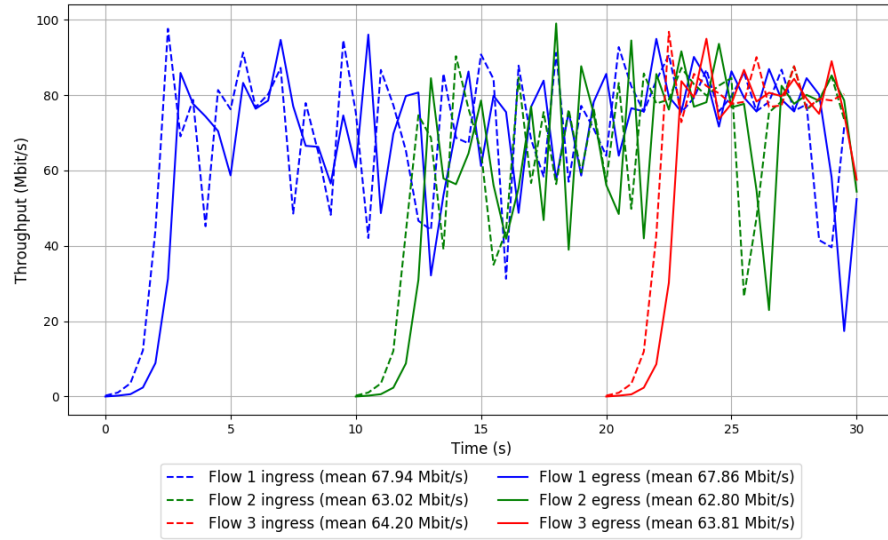


Run 10: Statistics of TCP BBR

Start at: 2018-07-01 08:02:39
End at: 2018-07-01 08:03:09
Local clock offset: 0.201 ms
Remote clock offset: -0.277 ms

Below is generated by plot.py at 2018-07-01 08:37:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 130.31 Mbit/s
95th percentile per-packet one-way delay: 137.127 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 67.86 Mbit/s
95th percentile per-packet one-way delay: 137.064 ms
Loss rate: 1.03%
-- Flow 2:
Average throughput: 62.80 Mbit/s
95th percentile per-packet one-way delay: 137.118 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 63.81 Mbit/s
95th percentile per-packet one-way delay: 137.309 ms
Loss rate: 3.34%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-01 04:23:19

End at: 2018-07-01 04:23:49

Local clock offset: -0.141 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2018-07-01 08:41:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 176.19 Mbit/s

95th percentile per-packet one-way delay: 171.508 ms

Loss rate: 2.25%

-- Flow 1:

Average throughput: 55.33 Mbit/s

95th percentile per-packet one-way delay: 170.449 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 155.78 Mbit/s

95th percentile per-packet one-way delay: 163.660 ms

Loss rate: 1.59%

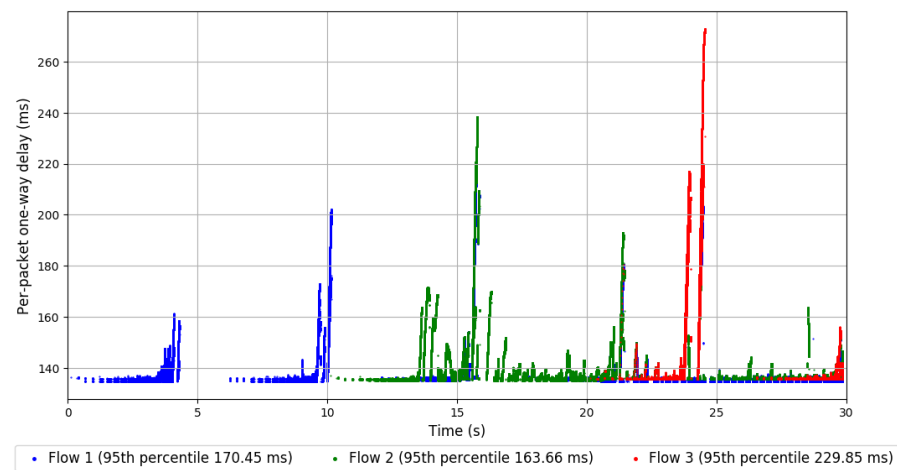
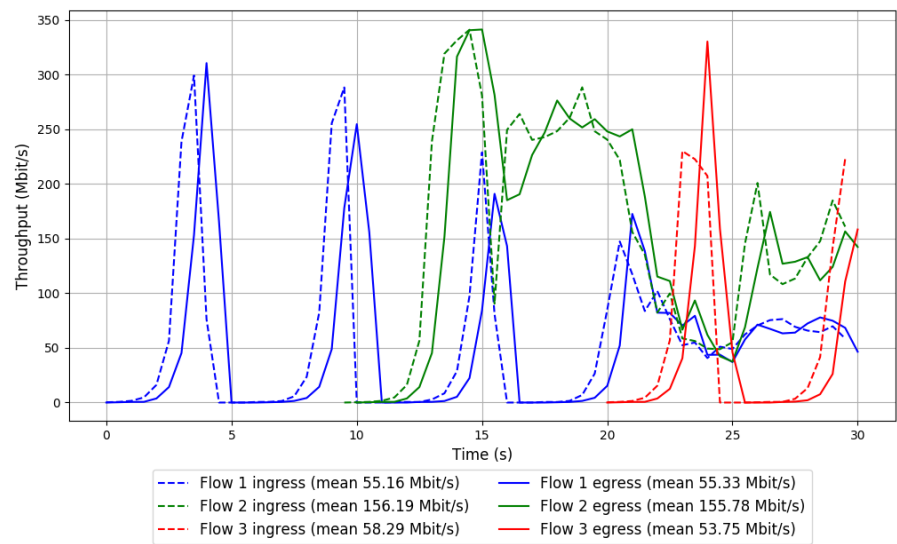
-- Flow 3:

Average throughput: 53.75 Mbit/s

95th percentile per-packet one-way delay: 229.850 ms

Loss rate: 10.37%

Run 1: Report of Copa — Data Link

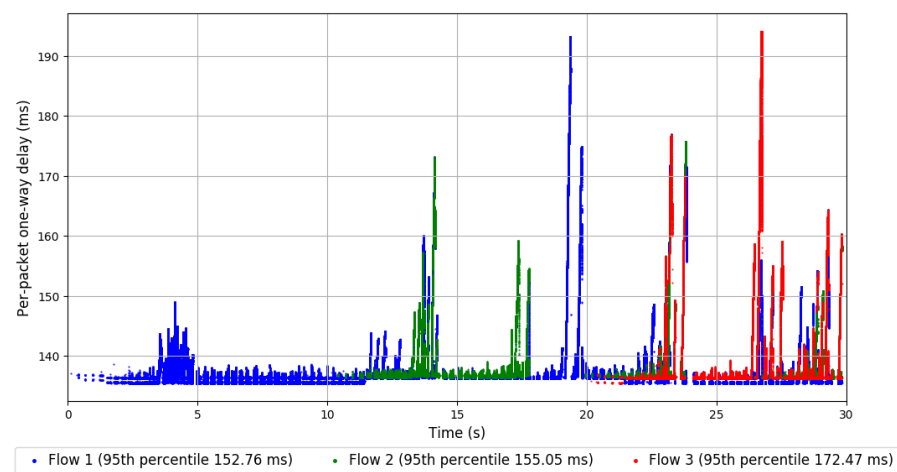
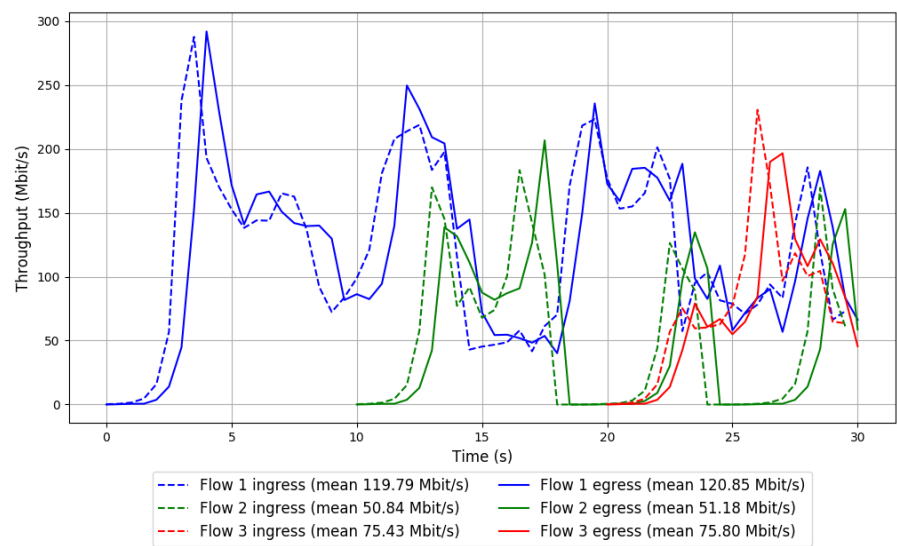


Run 2: Statistics of Copa

Start at: 2018-07-01 04:48:58
End at: 2018-07-01 04:49:28
Local clock offset: -0.035 ms
Remote clock offset: -0.327 ms

Below is generated by plot.py at 2018-07-01 08:41:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 179.46 Mbit/s
95th percentile per-packet one-way delay: 157.096 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 120.85 Mbit/s
95th percentile per-packet one-way delay: 152.759 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 51.18 Mbit/s
95th percentile per-packet one-way delay: 155.048 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 75.80 Mbit/s
95th percentile per-packet one-way delay: 172.474 ms
Loss rate: 1.21%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-01 05:14:45

End at: 2018-07-01 05:15:15

Local clock offset: -0.13 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-07-01 08:43:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 230.99 Mbit/s

95th percentile per-packet one-way delay: 152.108 ms

Loss rate: 1.60%

-- Flow 1:

Average throughput: 154.80 Mbit/s

95th percentile per-packet one-way delay: 152.680 ms

Loss rate: 1.02%

-- Flow 2:

Average throughput: 104.00 Mbit/s

95th percentile per-packet one-way delay: 149.402 ms

Loss rate: 2.70%

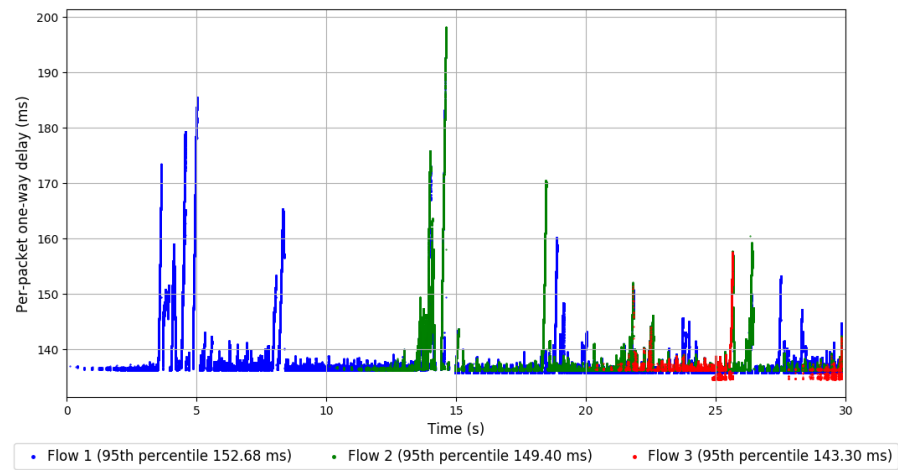
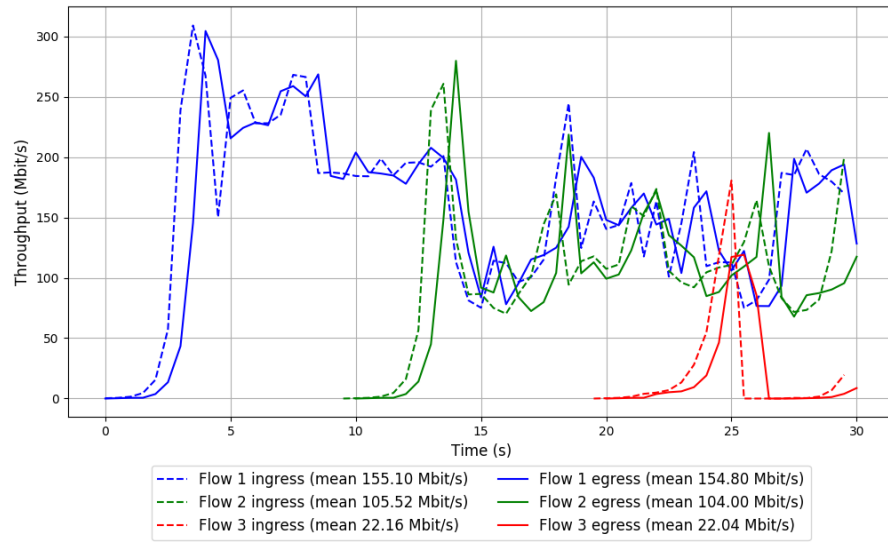
-- Flow 3:

Average throughput: 22.04 Mbit/s

95th percentile per-packet one-way delay: 143.297 ms

Loss rate: 3.25%

Run 3: Report of Copa — Data Link

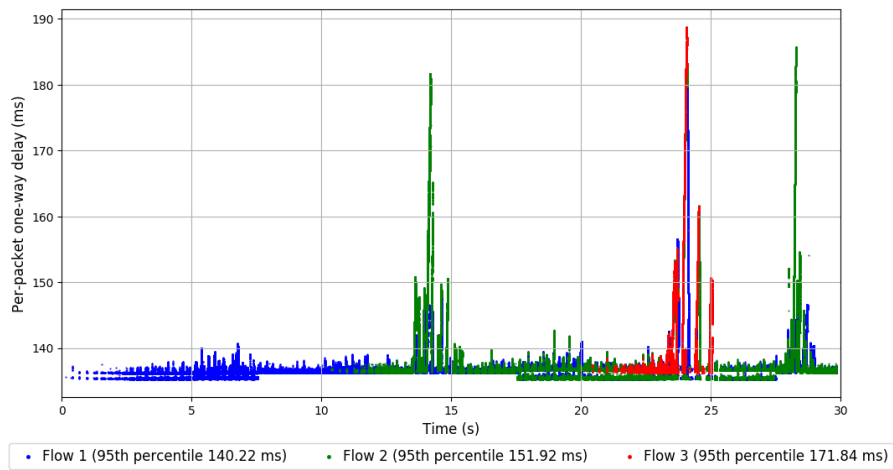
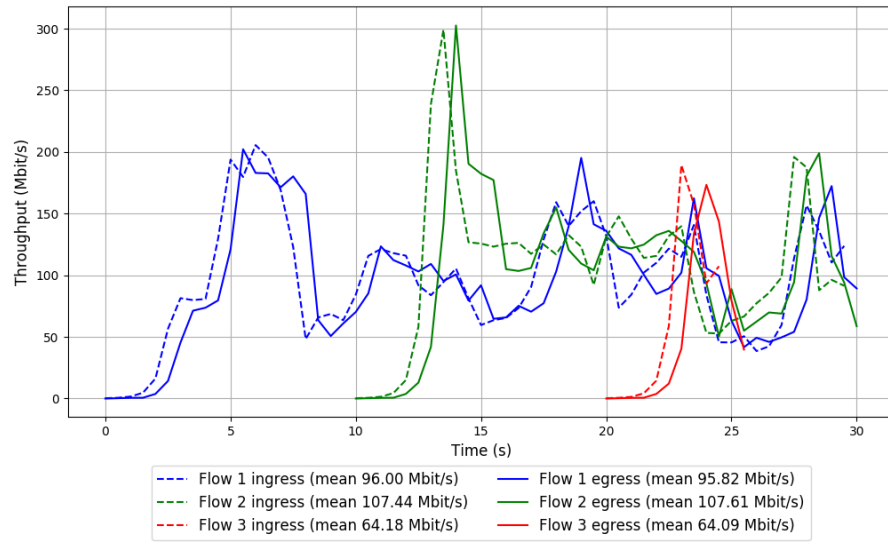


Run 4: Statistics of Copa

Start at: 2018-07-01 05:40:32
End at: 2018-07-01 05:41:02
Local clock offset: 0.193 ms
Remote clock offset: -0.325 ms

Below is generated by plot.py at 2018-07-01 08:43:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 177.73 Mbit/s
95th percentile per-packet one-way delay: 147.728 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 95.82 Mbit/s
95th percentile per-packet one-way delay: 140.223 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 107.61 Mbit/s
95th percentile per-packet one-way delay: 151.916 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 64.09 Mbit/s
95th percentile per-packet one-way delay: 171.837 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-01 06:05:59

End at: 2018-07-01 06:06:29

Local clock offset: 0.225 ms

Remote clock offset: 0.083 ms

Below is generated by plot.py at 2018-07-01 08:43:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 211.70 Mbit/s

95th percentile per-packet one-way delay: 165.347 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 133.33 Mbit/s

95th percentile per-packet one-way delay: 168.401 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 83.84 Mbit/s

95th percentile per-packet one-way delay: 157.463 ms

Loss rate: 1.26%

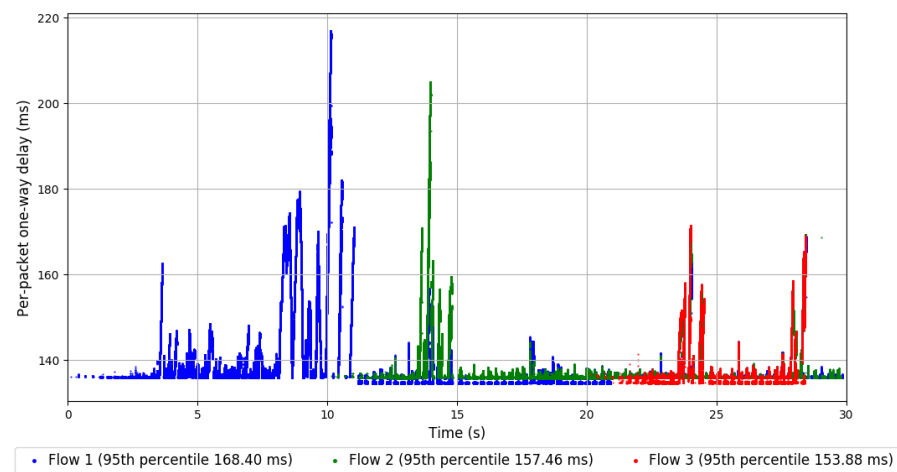
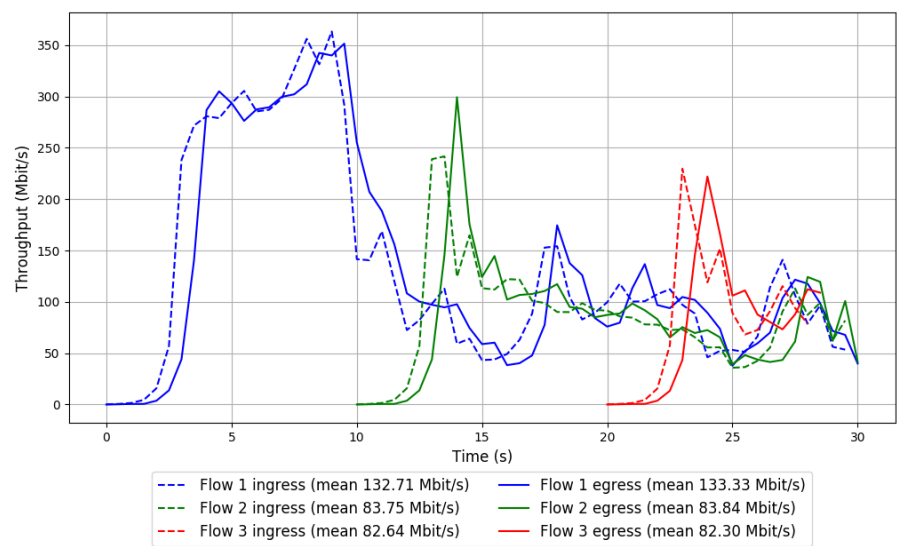
-- Flow 3:

Average throughput: 82.30 Mbit/s

95th percentile per-packet one-way delay: 153.878 ms

Loss rate: 0.02%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-01 06:31:50

End at: 2018-07-01 06:32:20

Local clock offset: 0.244 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-07-01 08:44:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 248.52 Mbit/s

95th percentile per-packet one-way delay: 165.244 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 114.05 Mbit/s

95th percentile per-packet one-way delay: 166.212 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 198.37 Mbit/s

95th percentile per-packet one-way delay: 164.769 ms

Loss rate: 0.53%

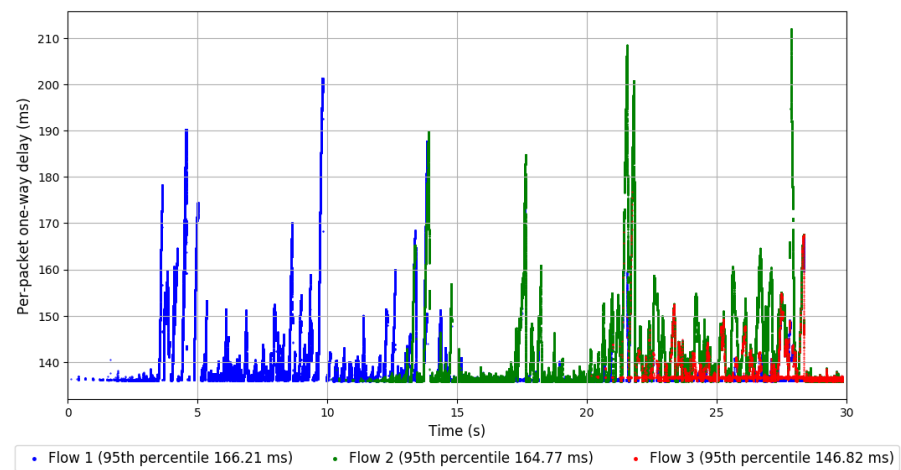
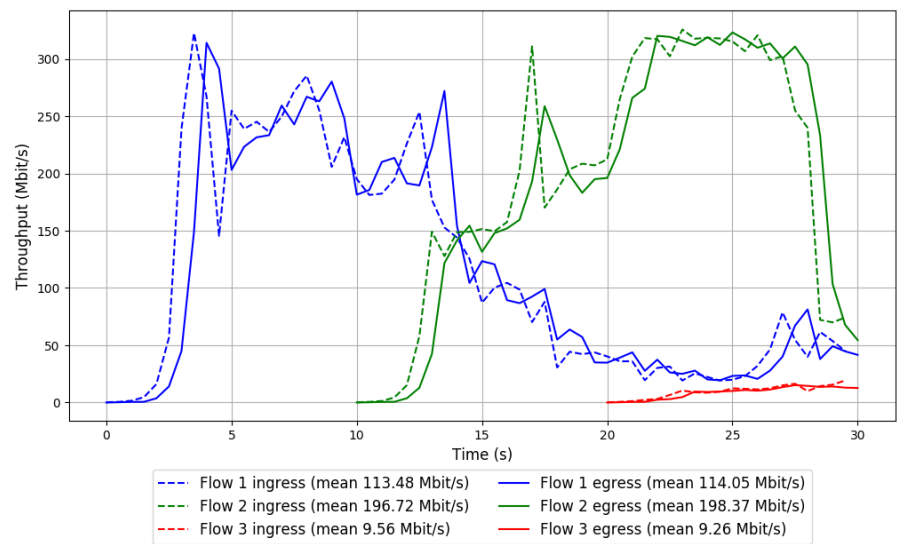
-- Flow 3:

Average throughput: 9.26 Mbit/s

95th percentile per-packet one-way delay: 146.818 ms

Loss rate: 5.82%

Run 6: Report of Copa — Data Link

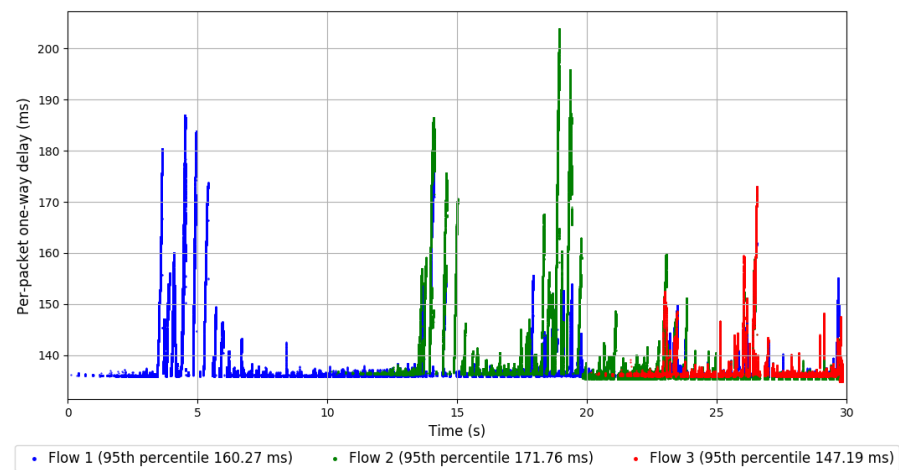
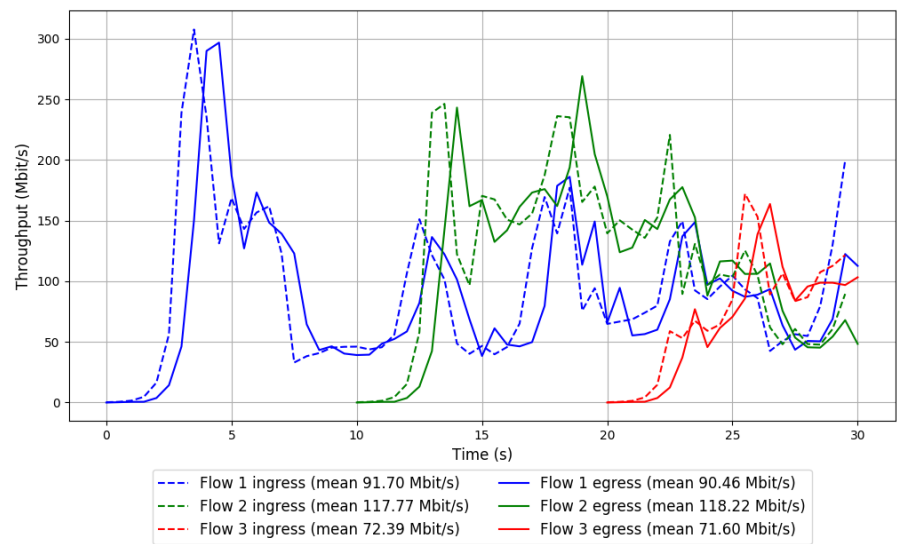


Run 7: Statistics of Copa

Start at: 2018-07-01 06:57:50
End at: 2018-07-01 06:58:20
Local clock offset: 0.21 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-01 08:44:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 191.89 Mbit/s
95th percentile per-packet one-way delay: 164.194 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 90.46 Mbit/s
95th percentile per-packet one-way delay: 160.274 ms
Loss rate: 2.30%
-- Flow 2:
Average throughput: 118.22 Mbit/s
95th percentile per-packet one-way delay: 171.757 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 71.60 Mbit/s
95th percentile per-packet one-way delay: 147.186 ms
Loss rate: 3.82%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-01 07:23:23

End at: 2018-07-01 07:23:53

Local clock offset: 0.066 ms

Remote clock offset: 0.3 ms

Below is generated by plot.py at 2018-07-01 08:45:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 217.09 Mbit/s

95th percentile per-packet one-way delay: 168.376 ms

Loss rate: 1.34%

-- Flow 1:

Average throughput: 146.01 Mbit/s

95th percentile per-packet one-way delay: 175.114 ms

Loss rate: 0.83%

-- Flow 2:

Average throughput: 83.77 Mbit/s

95th percentile per-packet one-way delay: 148.968 ms

Loss rate: 2.24%

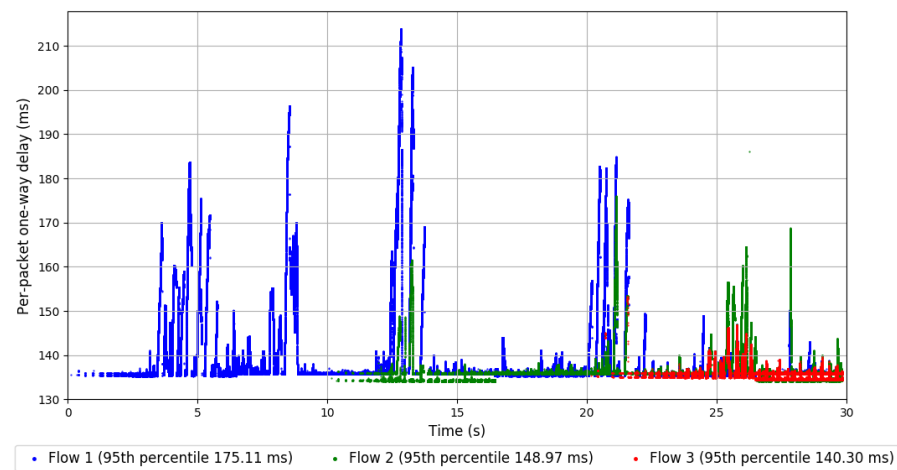
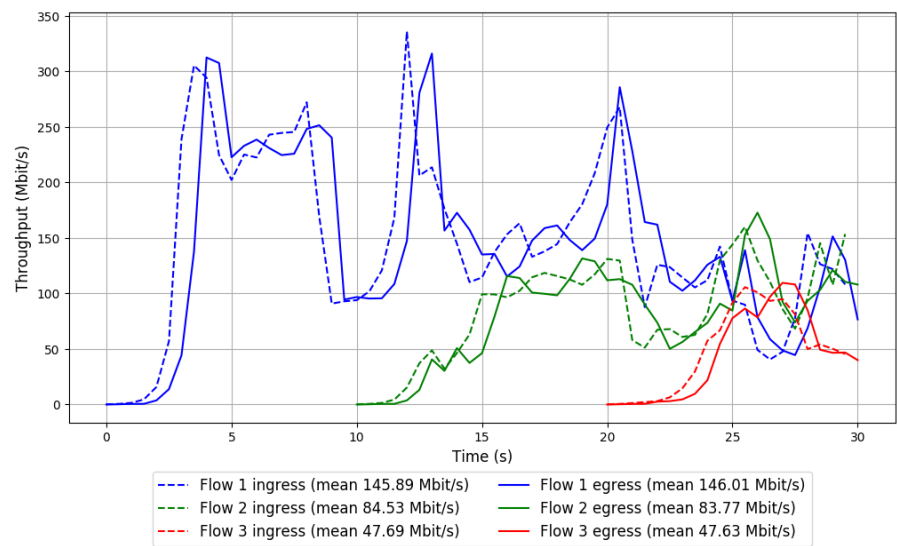
-- Flow 3:

Average throughput: 47.63 Mbit/s

95th percentile per-packet one-way delay: 140.303 ms

Loss rate: 2.87%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-01 07:49:21

End at: 2018-07-01 07:49:51

Local clock offset: -0.001 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2018-07-01 08:49:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 216.24 Mbit/s

95th percentile per-packet one-way delay: 172.017 ms

Loss rate: 1.82%

-- Flow 1:

Average throughput: 114.53 Mbit/s

95th percentile per-packet one-way delay: 168.759 ms

Loss rate: 1.69%

-- Flow 2:

Average throughput: 93.62 Mbit/s

95th percentile per-packet one-way delay: 168.282 ms

Loss rate: 1.15%

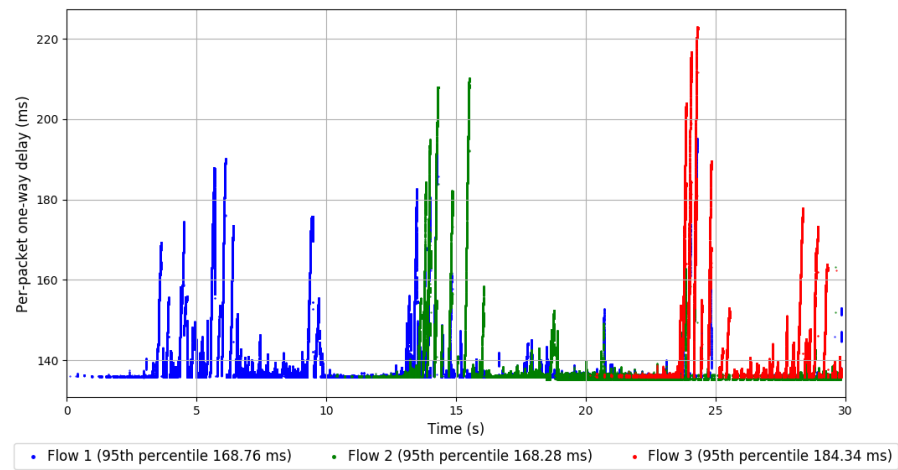
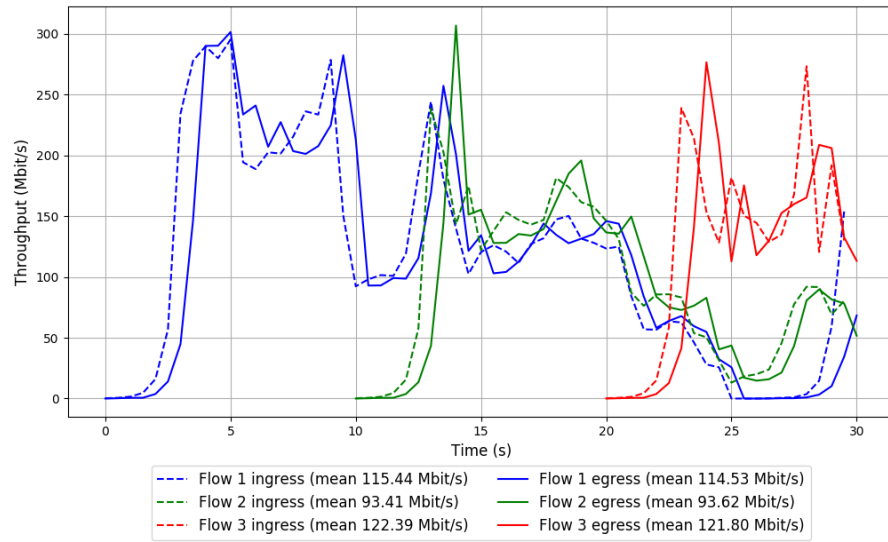
-- Flow 3:

Average throughput: 121.80 Mbit/s

95th percentile per-packet one-way delay: 184.344 ms

Loss rate: 3.21%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-01 08:15:16

End at: 2018-07-01 08:15:46

Local clock offset: 0.169 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-07-01 08:49:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 225.39 Mbit/s

95th percentile per-packet one-way delay: 168.738 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 127.86 Mbit/s

95th percentile per-packet one-way delay: 170.601 ms

Loss rate: 0.96%

-- Flow 2:

Average throughput: 112.21 Mbit/s

95th percentile per-packet one-way delay: 164.762 ms

Loss rate: 0.47%

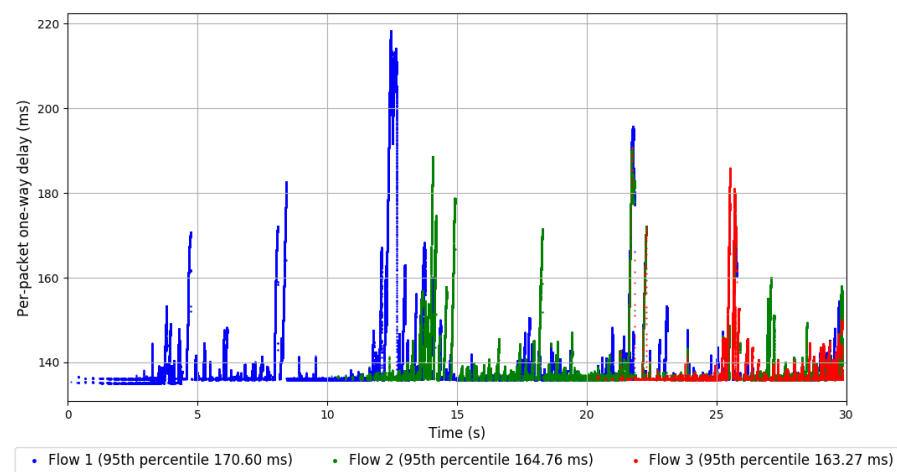
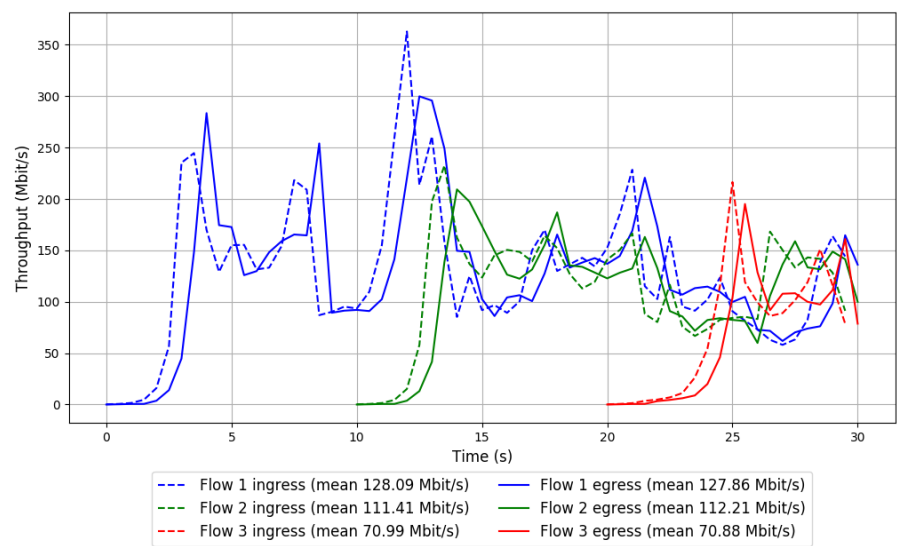
-- Flow 3:

Average throughput: 70.88 Mbit/s

95th percentile per-packet one-way delay: 163.268 ms

Loss rate: 1.90%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-01 04:15:02

End at: 2018-07-01 04:15:32

Local clock offset: -0.033 ms

Remote clock offset: 0.085 ms

Below is generated by plot.py at 2018-07-01 08:49:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 55.91 Mbit/s

95th percentile per-packet one-way delay: 143.354 ms

Loss rate: 0.88%

-- Flow 1:

Average throughput: 30.86 Mbit/s

95th percentile per-packet one-way delay: 140.495 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 27.92 Mbit/s

95th percentile per-packet one-way delay: 147.814 ms

Loss rate: 0.86%

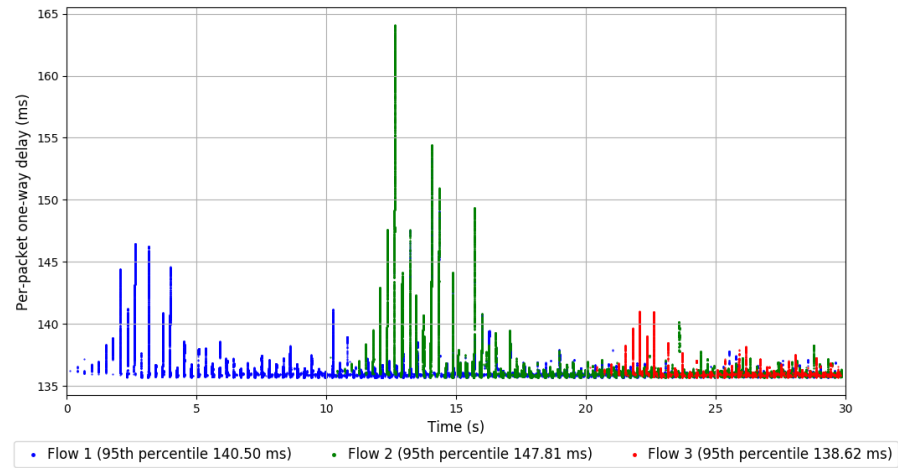
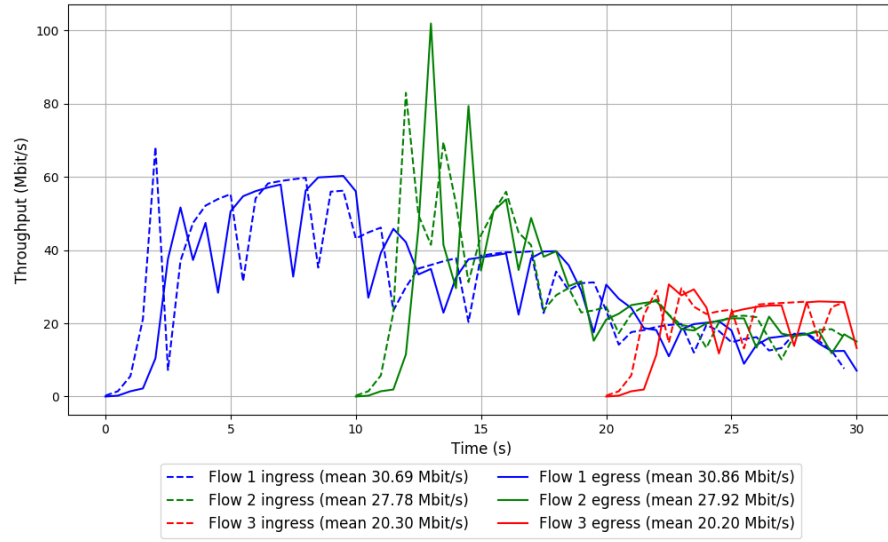
-- Flow 3:

Average throughput: 20.20 Mbit/s

95th percentile per-packet one-way delay: 138.615 ms

Loss rate: 3.24%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-01 04:40:45

End at: 2018-07-01 04:41:15

Local clock offset: 0.073 ms

Remote clock offset: 0.498 ms

Below is generated by plot.py at 2018-07-01 08:49:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.61 Mbit/s

95th percentile per-packet one-way delay: 145.878 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 21.64 Mbit/s

95th percentile per-packet one-way delay: 144.909 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 23.29 Mbit/s

95th percentile per-packet one-way delay: 147.846 ms

Loss rate: 0.60%

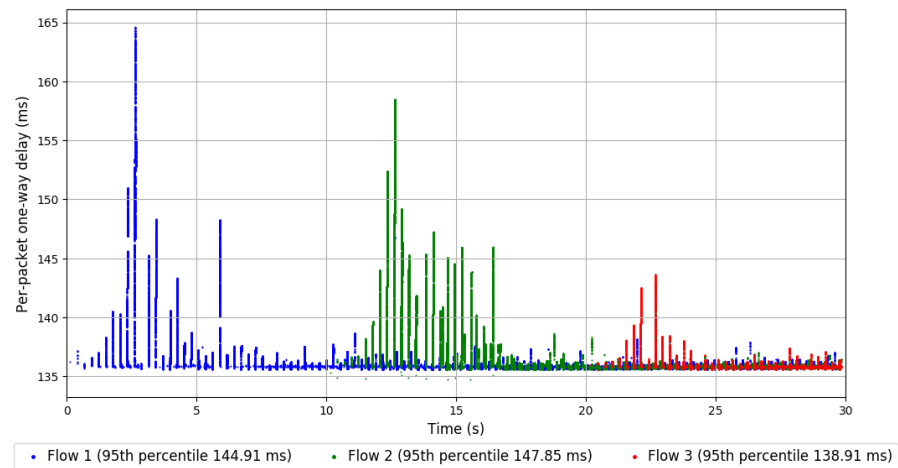
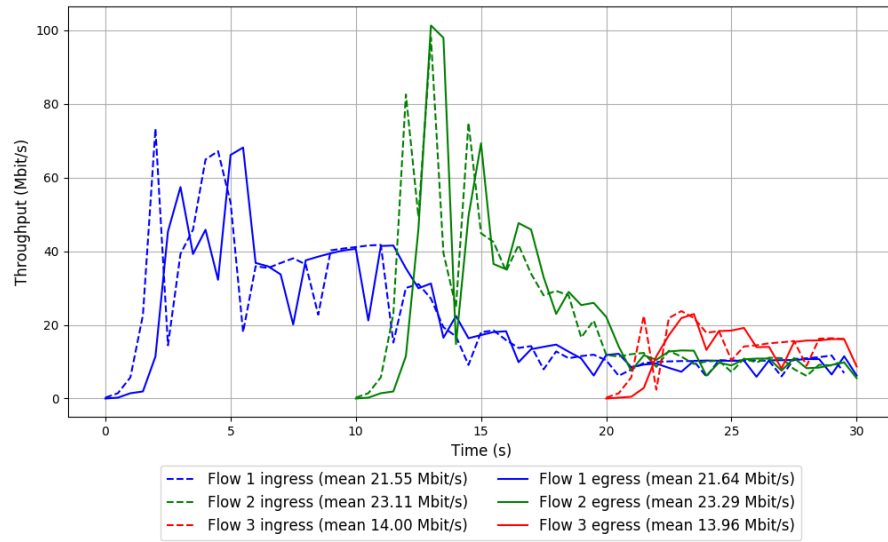
-- Flow 3:

Average throughput: 13.96 Mbit/s

95th percentile per-packet one-way delay: 138.910 ms

Loss rate: 3.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-01 05:06:30

End at: 2018-07-01 05:07:00

Local clock offset: -0.27 ms

Remote clock offset: 0.057 ms

Below is generated by plot.py at 2018-07-01 08:49:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.41 Mbit/s

95th percentile per-packet one-way delay: 142.938 ms

Loss rate: 1.74%

-- Flow 1:

Average throughput: 18.54 Mbit/s

95th percentile per-packet one-way delay: 142.320 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 26.64 Mbit/s

95th percentile per-packet one-way delay: 139.178 ms

Loss rate: 1.65%

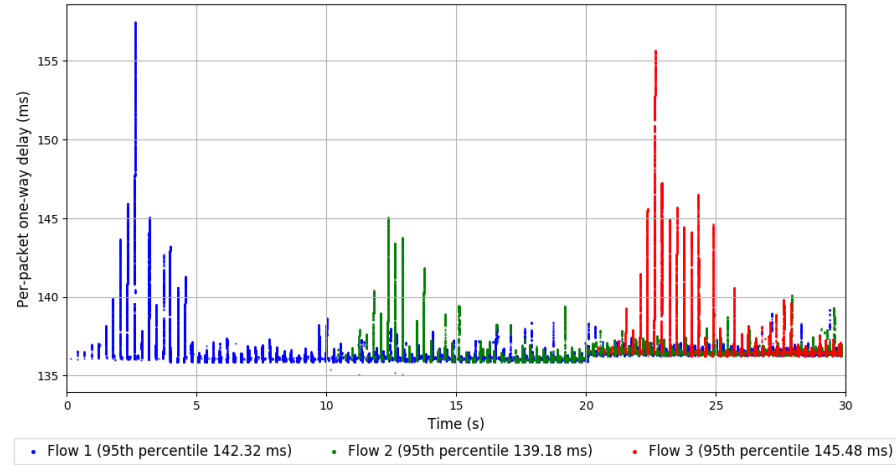
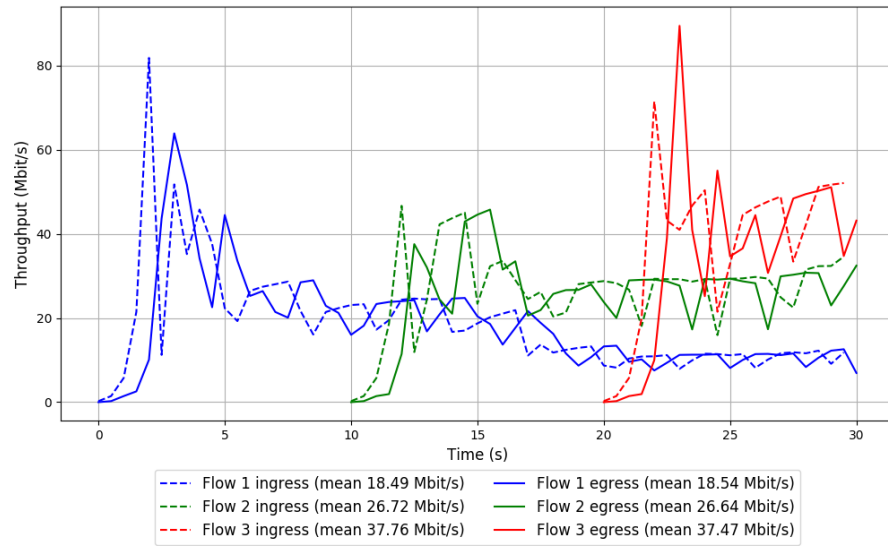
-- Flow 3:

Average throughput: 37.47 Mbit/s

95th percentile per-packet one-way delay: 145.480 ms

Loss rate: 3.48%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-01 05:32:10

End at: 2018-07-01 05:32:40

Local clock offset: 0.116 ms

Remote clock offset: 0.088 ms

Below is generated by plot.py at 2018-07-01 08:49:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 99.63 Mbit/s

95th percentile per-packet one-way delay: 146.852 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 67.60 Mbit/s

95th percentile per-packet one-way delay: 146.569 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 32.35 Mbit/s

95th percentile per-packet one-way delay: 147.911 ms

Loss rate: 0.50%

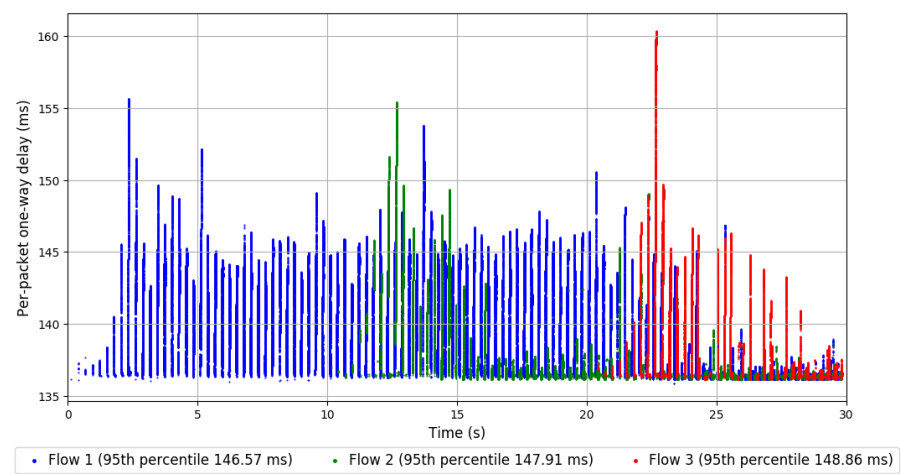
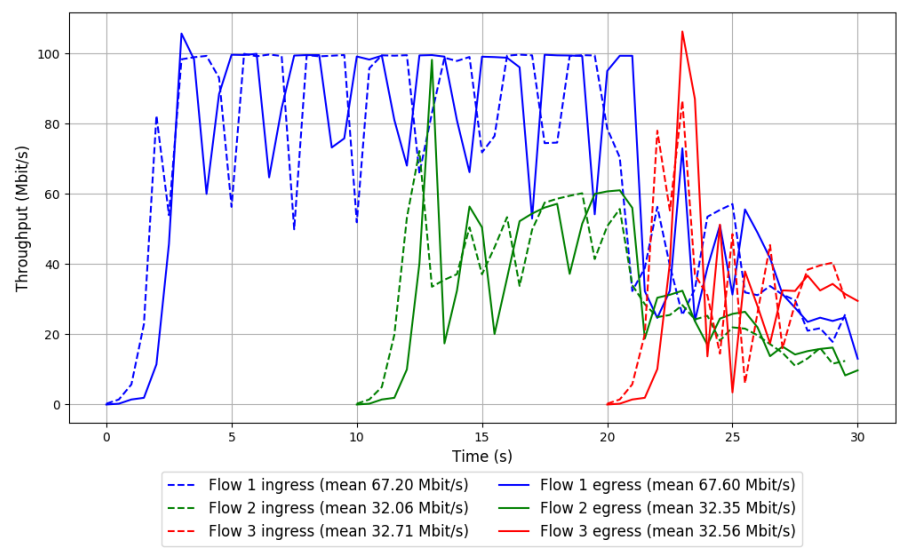
-- Flow 3:

Average throughput: 32.56 Mbit/s

95th percentile per-packet one-way delay: 148.864 ms

Loss rate: 3.21%

Run 4: Report of TCP Cubic — Data Link

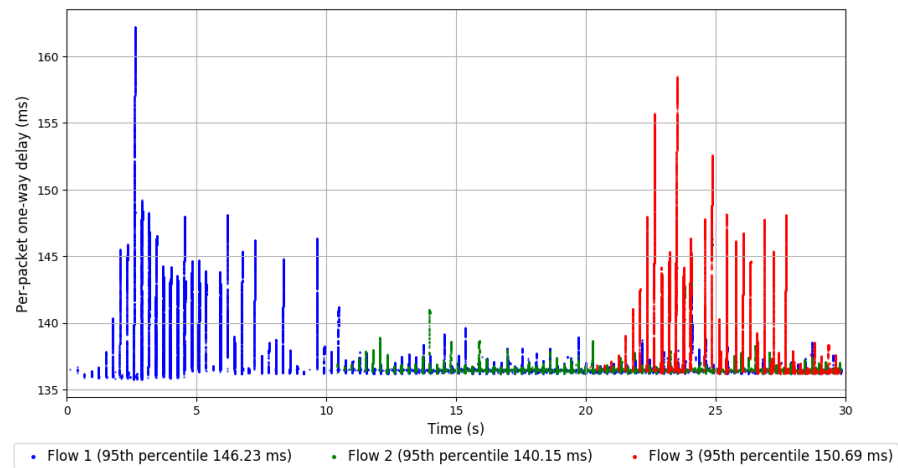
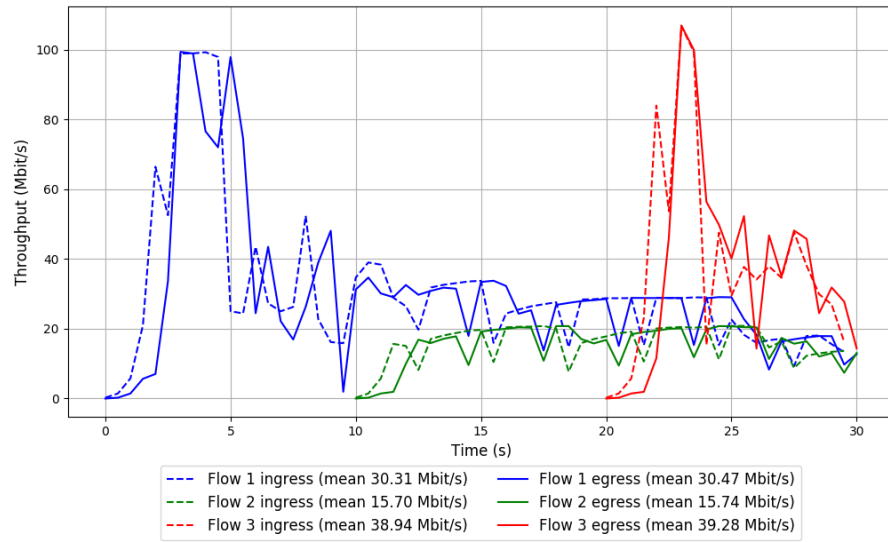


Run 5: Statistics of TCP Cubic

Start at: 2018-07-01 05:57:45
End at: 2018-07-01 05:58:15
Local clock offset: 0.179 ms
Remote clock offset: -0.294 ms

Below is generated by plot.py at 2018-07-01 08:49:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.60 Mbit/s
95th percentile per-packet one-way delay: 146.663 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 30.47 Mbit/s
95th percentile per-packet one-way delay: 146.233 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 15.74 Mbit/s
95th percentile per-packet one-way delay: 140.149 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 39.28 Mbit/s
95th percentile per-packet one-way delay: 150.689 ms
Loss rate: 1.91%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-01 06:23:36

End at: 2018-07-01 06:24:06

Local clock offset: 0.044 ms

Remote clock offset: 0.428 ms

Below is generated by plot.py at 2018-07-01 08:49:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.68 Mbit/s

95th percentile per-packet one-way delay: 146.530 ms

Loss rate: 2.02%

-- Flow 1:

Average throughput: 38.02 Mbit/s

95th percentile per-packet one-way delay: 145.814 ms

Loss rate: 1.20%

-- Flow 2:

Average throughput: 43.06 Mbit/s

95th percentile per-packet one-way delay: 143.062 ms

Loss rate: 1.68%

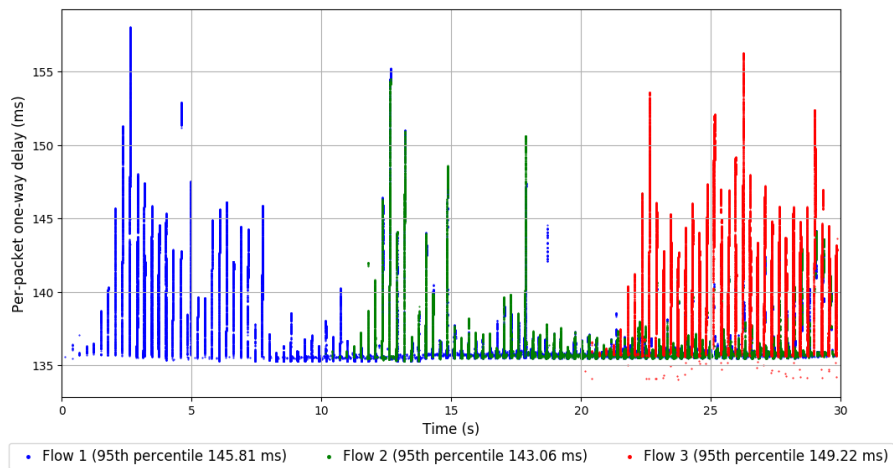
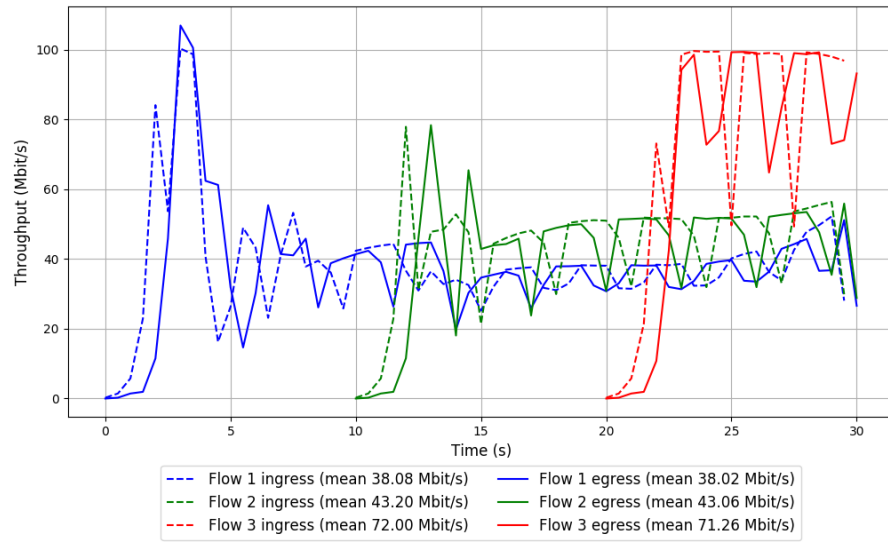
-- Flow 3:

Average throughput: 71.26 Mbit/s

95th percentile per-packet one-way delay: 149.220 ms

Loss rate: 3.72%

Run 6: Report of TCP Cubic — Data Link

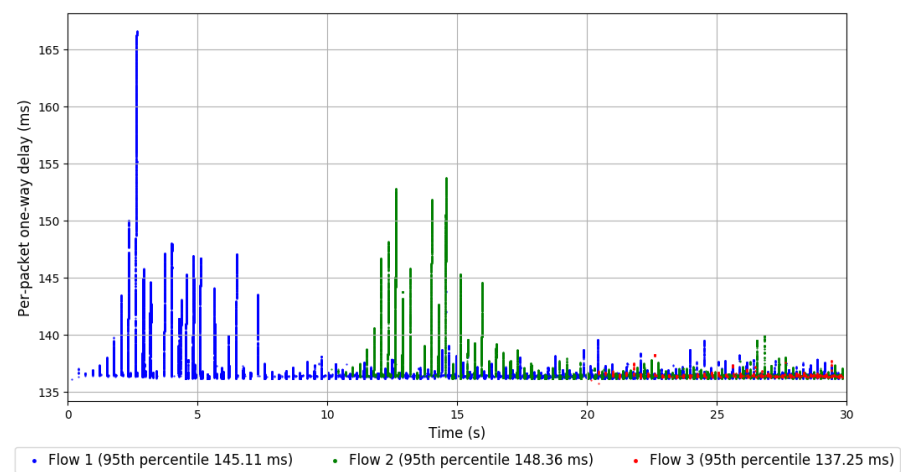
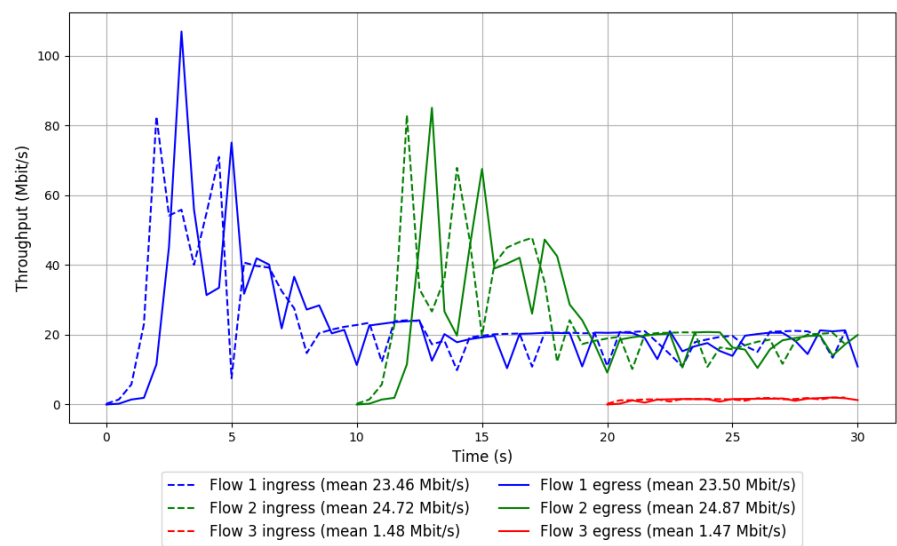


Run 7: Statistics of TCP Cubic

Start at: 2018-07-01 06:49:40
End at: 2018-07-01 06:50:10
Local clock offset: 0.186 ms
Remote clock offset: -0.417 ms

Below is generated by plot.py at 2018-07-01 08:49:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.45 Mbit/s
95th percentile per-packet one-way delay: 146.226 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 23.50 Mbit/s
95th percentile per-packet one-way delay: 145.106 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 24.87 Mbit/s
95th percentile per-packet one-way delay: 148.359 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 137.252 ms
Loss rate: 3.66%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-01 07:15:11

End at: 2018-07-01 07:15:41

Local clock offset: 0.115 ms

Remote clock offset: 0.289 ms

Below is generated by plot.py at 2018-07-01 08:49:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 55.13 Mbit/s

95th percentile per-packet one-way delay: 146.565 ms

Loss rate: 1.21%

-- Flow 1:

Average throughput: 27.85 Mbit/s

95th percentile per-packet one-way delay: 145.447 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 23.19 Mbit/s

95th percentile per-packet one-way delay: 142.057 ms

Loss rate: 0.98%

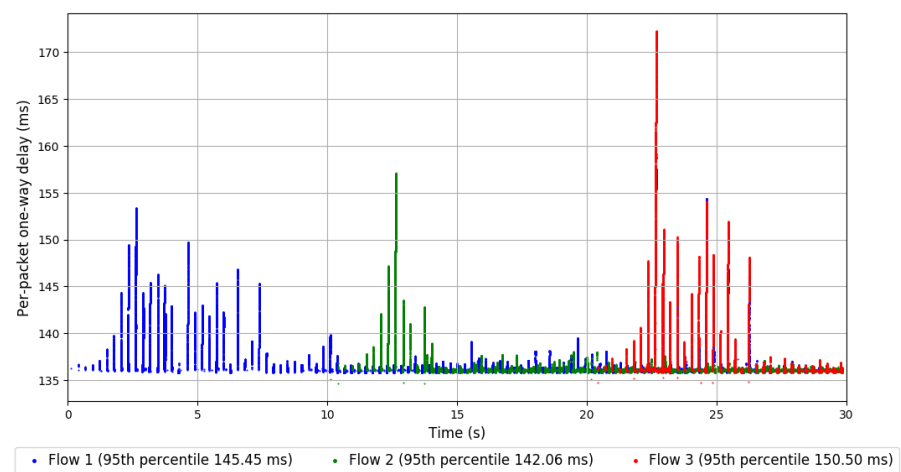
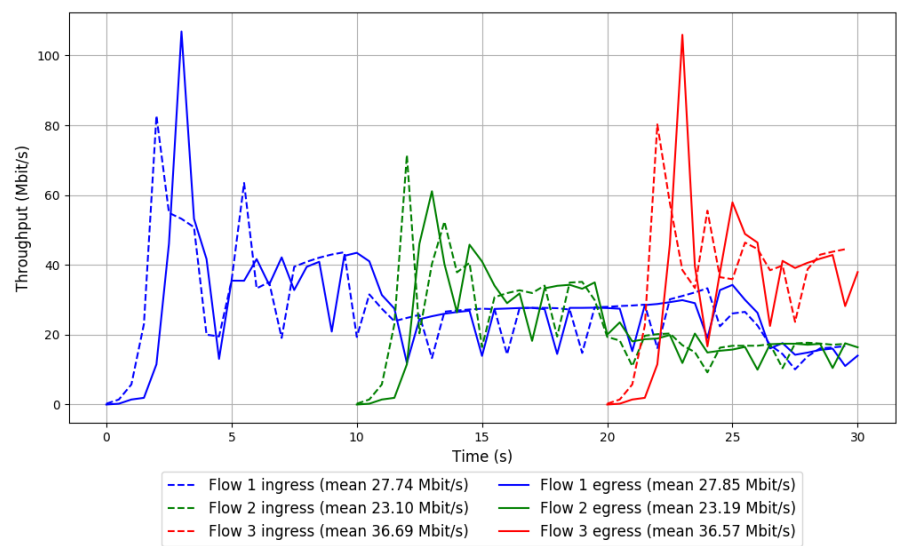
-- Flow 3:

Average throughput: 36.57 Mbit/s

95th percentile per-packet one-way delay: 150.495 ms

Loss rate: 3.06%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-01 07:41:11

End at: 2018-07-01 07:41:41

Local clock offset: -0.107 ms

Remote clock offset: 0.429 ms

Below is generated by plot.py at 2018-07-01 08:49:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.98 Mbit/s

95th percentile per-packet one-way delay: 144.396 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 26.58 Mbit/s

95th percentile per-packet one-way delay: 144.365 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 22.68 Mbit/s

95th percentile per-packet one-way delay: 143.180 ms

Loss rate: 0.97%

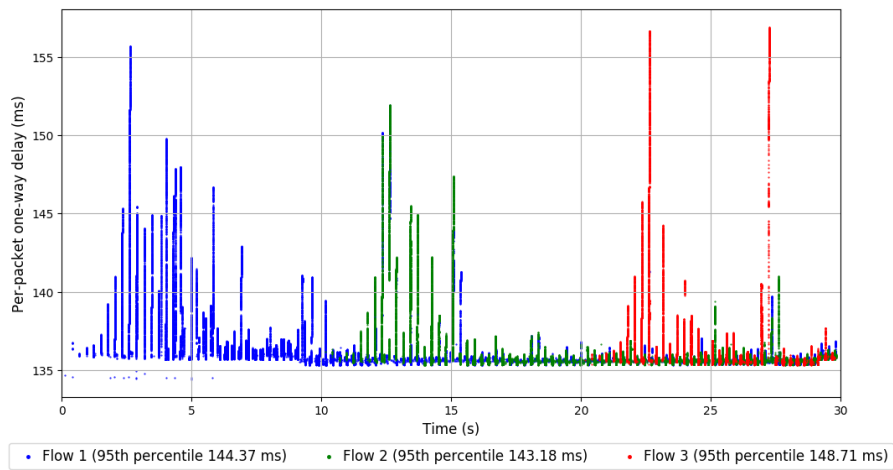
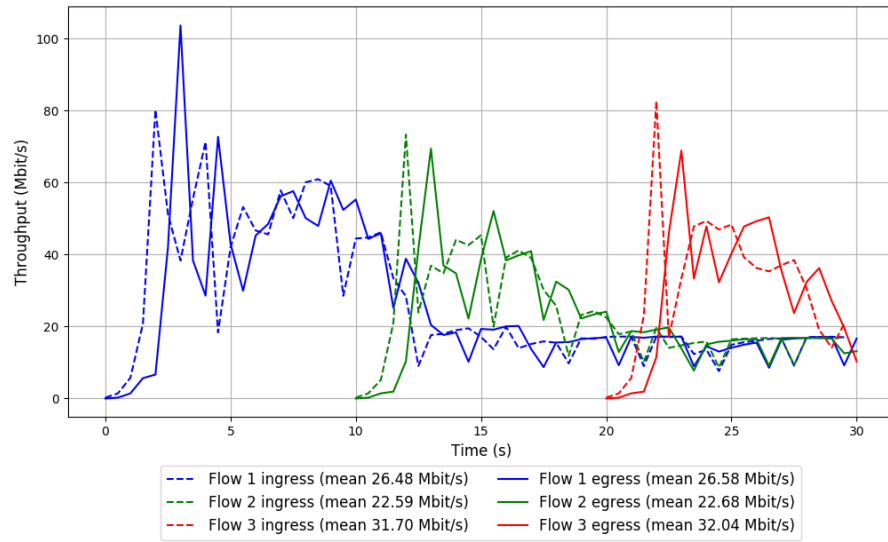
-- Flow 3:

Average throughput: 32.04 Mbit/s

95th percentile per-packet one-way delay: 148.706 ms

Loss rate: 1.70%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-01 08:06:57

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

Local clock offset: 0.063 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2018-07-01 08:49:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.86 Mbit/s

95th percentile per-packet one-way delay: 146.872 ms

Loss rate: 2.00%

-- Flow 1:

Average throughput: 25.61 Mbit/s

95th percentile per-packet one-way delay: 138.244 ms

Loss rate: 1.02%

-- Flow 2:

Average throughput: 16.96 Mbit/s

95th percentile per-packet one-way delay: 146.698 ms

Loss rate: 1.08%

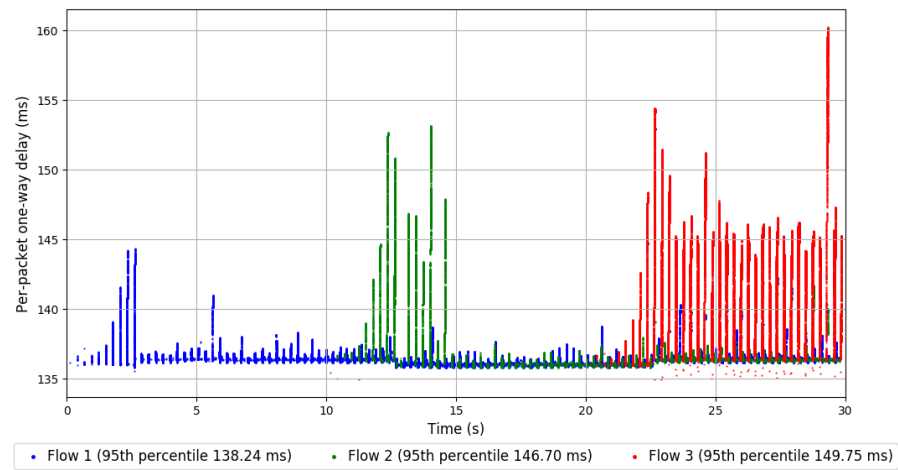
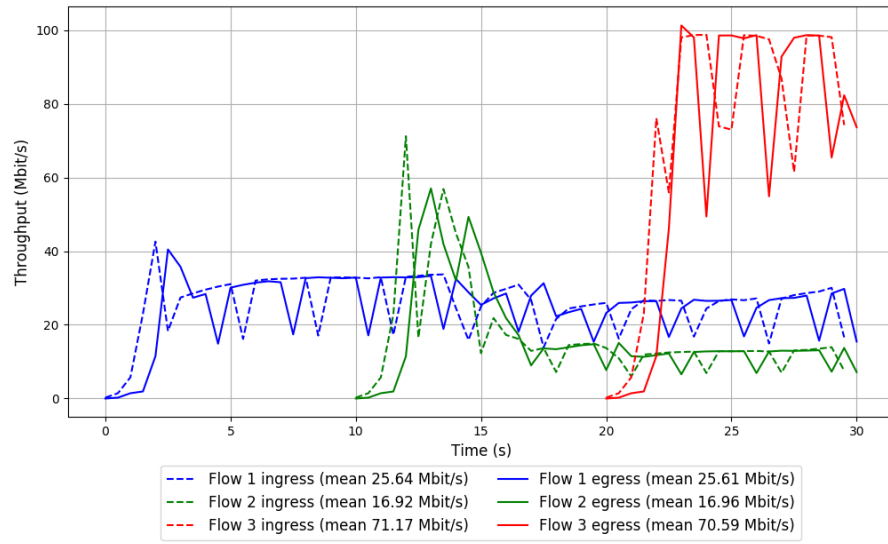
-- Flow 3:

Average throughput: 70.59 Mbit/s

95th percentile per-packet one-way delay: 149.749 ms

Loss rate: 3.49%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-01 04:04:11

End at: 2018-07-01 04:04:41

Local clock offset: 0.512 ms

Remote clock offset: 0.141 ms

Below is generated by plot.py at 2018-07-01 09:12:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 1160.68 Mbit/s

95th percentile per-packet one-way delay: 255.325 ms

Loss rate: 7.38%

-- Flow 1:

Average throughput: 666.24 Mbit/s

95th percentile per-packet one-way delay: 254.603 ms

Loss rate: 5.37%

-- Flow 2:

Average throughput: 533.39 Mbit/s

95th percentile per-packet one-way delay: 253.311 ms

Loss rate: 8.26%

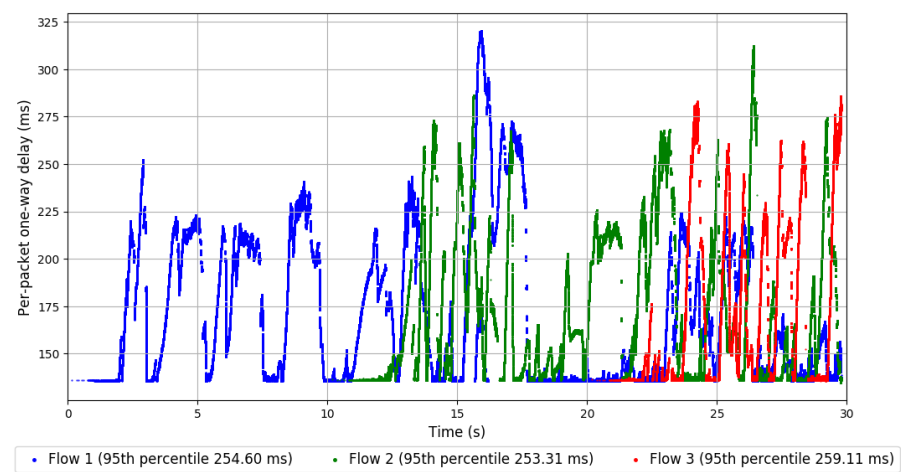
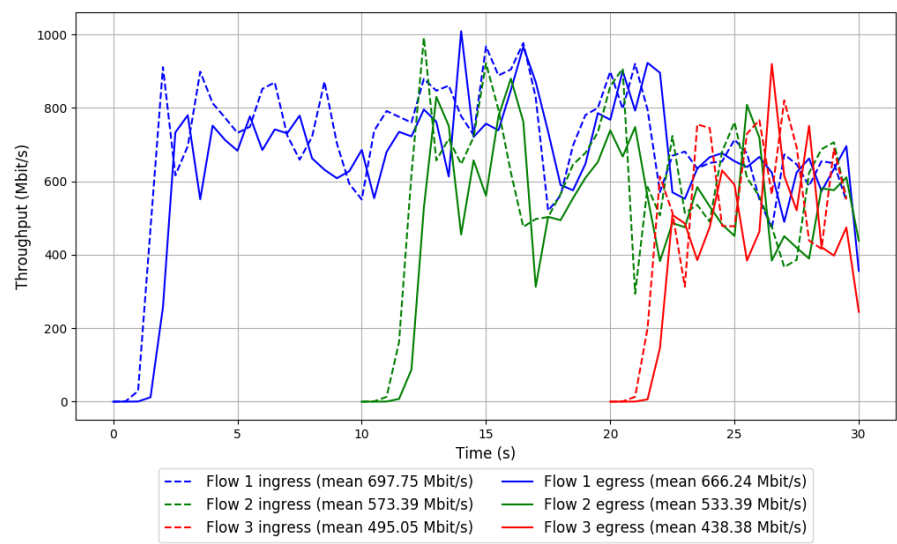
-- Flow 3:

Average throughput: 438.38 Mbit/s

95th percentile per-packet one-way delay: 259.107 ms

Loss rate: 13.90%

Run 1: Report of FillP — Data Link

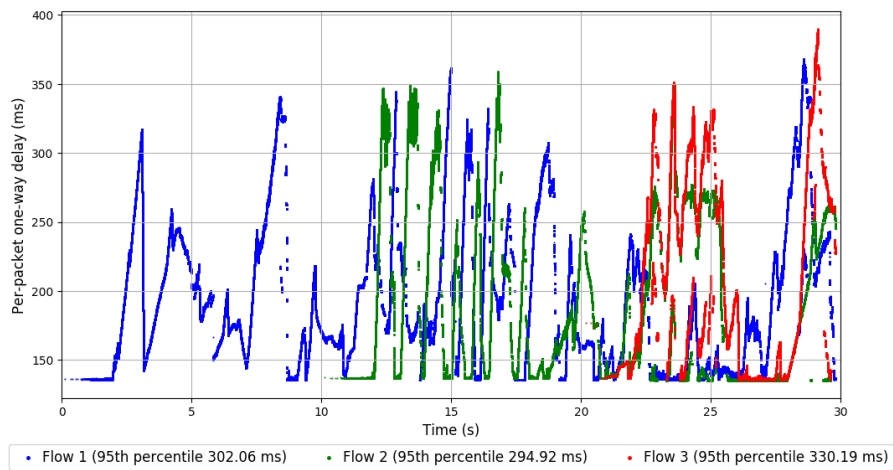
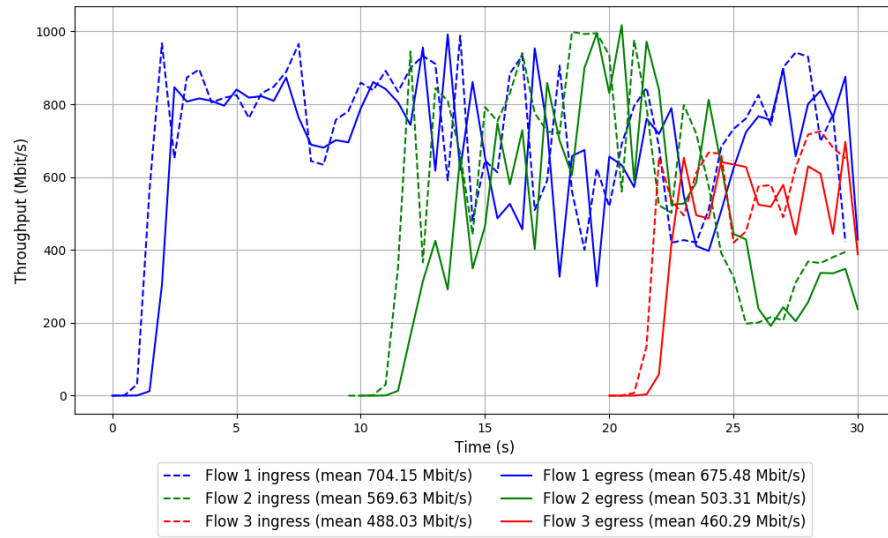


Run 2: Statistics of FillP

Start at: 2018-07-01 04:29:38
End at: 2018-07-01 04:30:08
Local clock offset: 0.108 ms
Remote clock offset: -0.291 ms

Below is generated by plot.py at 2018-07-01 09:12:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 1158.23 Mbit/s
95th percentile per-packet one-way delay: 310.924 ms
Loss rate: 7.84%
-- Flow 1:
Average throughput: 675.48 Mbit/s
95th percentile per-packet one-way delay: 302.061 ms
Loss rate: 4.95%
-- Flow 2:
Average throughput: 503.31 Mbit/s
95th percentile per-packet one-way delay: 294.923 ms
Loss rate: 12.85%
-- Flow 3:
Average throughput: 460.29 Mbit/s
95th percentile per-packet one-way delay: 330.185 ms
Loss rate: 8.65%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-01 04:55:14

End at: 2018-07-01 04:55:44

Local clock offset: -0.107 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-01 09:13:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 1178.75 Mbit/s

95th percentile per-packet one-way delay: 236.655 ms

Loss rate: 8.23%

-- Flow 1:

Average throughput: 614.68 Mbit/s

95th percentile per-packet one-way delay: 238.340 ms

Loss rate: 7.22%

-- Flow 2:

Average throughput: 608.89 Mbit/s

95th percentile per-packet one-way delay: 237.519 ms

Loss rate: 9.14%

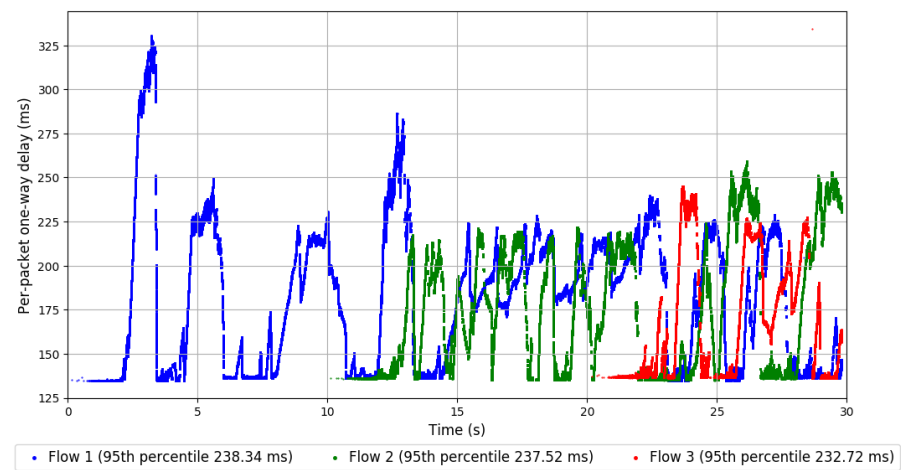
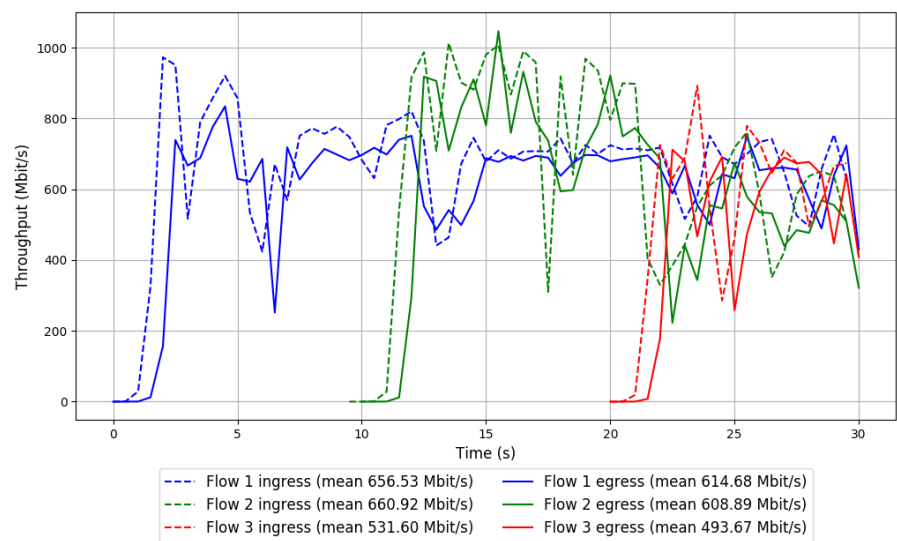
-- Flow 3:

Average throughput: 493.67 Mbit/s

95th percentile per-packet one-way delay: 232.720 ms

Loss rate: 9.70%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-01 05:21:16

End at: 2018-07-01 05:21:46

Local clock offset: 0.003 ms

Remote clock offset: 0.119 ms

Below is generated by plot.py at 2018-07-01 09:16:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 1271.15 Mbit/s

95th percentile per-packet one-way delay: 318.295 ms

Loss rate: 4.66%

-- Flow 1:

Average throughput: 681.08 Mbit/s

95th percentile per-packet one-way delay: 331.471 ms

Loss rate: 4.56%

-- Flow 2:

Average throughput: 656.46 Mbit/s

95th percentile per-packet one-way delay: 305.476 ms

Loss rate: 4.26%

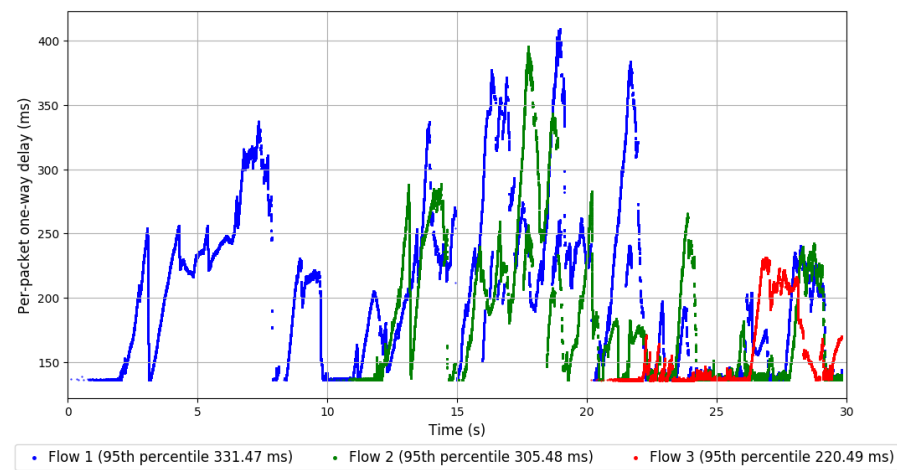
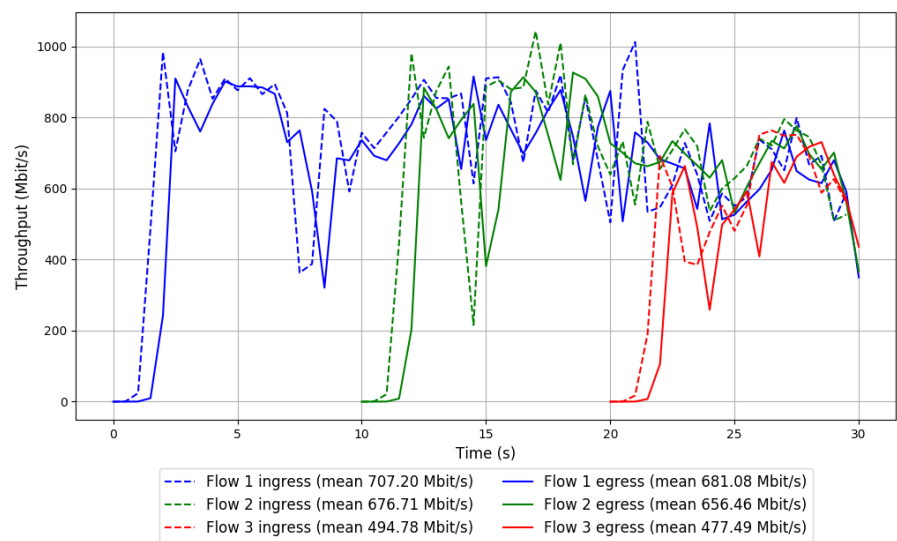
-- Flow 3:

Average throughput: 477.49 Mbit/s

95th percentile per-packet one-way delay: 220.487 ms

Loss rate: 6.17%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-01 05:46:53

End at: 2018-07-01 05:47:23

Local clock offset: 0.101 ms

Remote clock offset: 0.474 ms

Below is generated by plot.py at 2018-07-01 09:16:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 1196.09 Mbit/s

95th percentile per-packet one-way delay: 246.860 ms

Loss rate: 6.95%

-- Flow 1:

Average throughput: 630.52 Mbit/s

95th percentile per-packet one-way delay: 243.485 ms

Loss rate: 6.58%

-- Flow 2:

Average throughput: 610.03 Mbit/s

95th percentile per-packet one-way delay: 255.492 ms

Loss rate: 6.44%

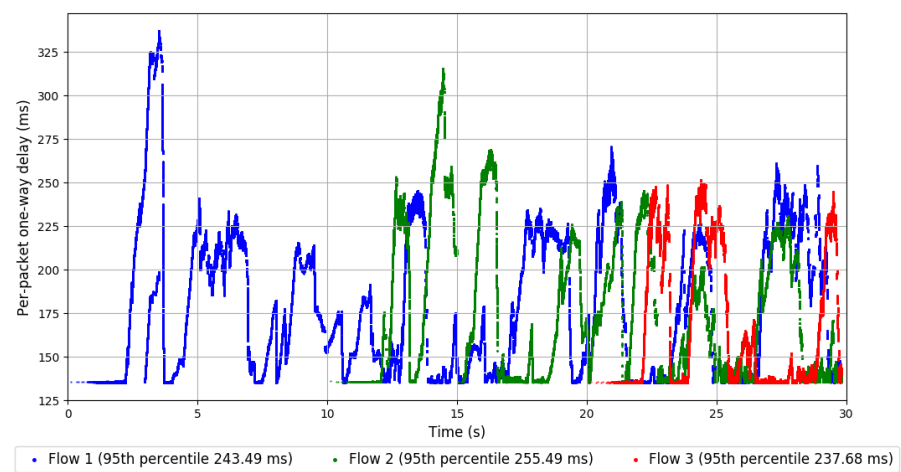
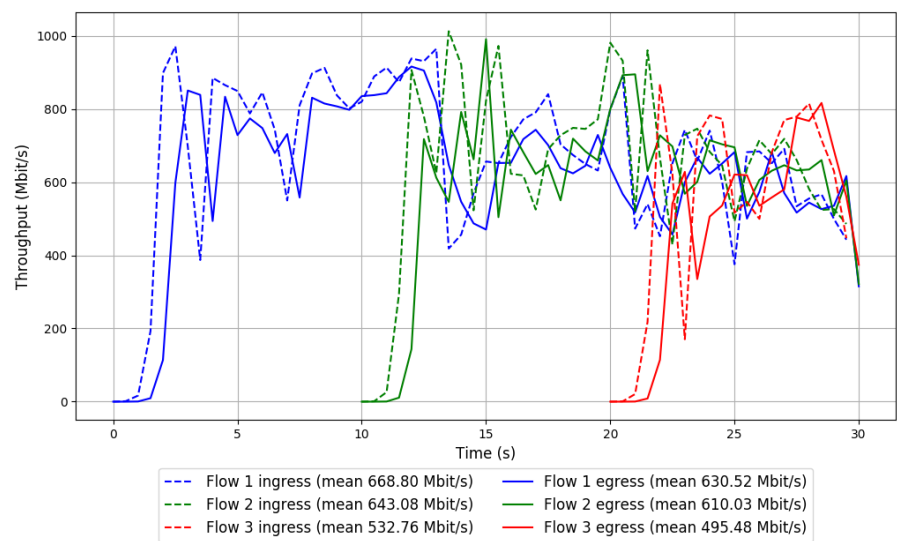
-- Flow 3:

Average throughput: 495.48 Mbit/s

95th percentile per-packet one-way delay: 237.682 ms

Loss rate: 9.60%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-01 06:12:23

End at: 2018-07-01 06:12:53

Local clock offset: 0.184 ms

Remote clock offset: 0.052 ms

Below is generated by plot.py at 2018-07-01 09:16:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 1179.35 Mbit/s

95th percentile per-packet one-way delay: 299.859 ms

Loss rate: 6.61%

-- Flow 1:

Average throughput: 658.63 Mbit/s

95th percentile per-packet one-way delay: 260.242 ms

Loss rate: 6.94%

-- Flow 2:

Average throughput: 587.98 Mbit/s

95th percentile per-packet one-way delay: 320.172 ms

Loss rate: 6.06%

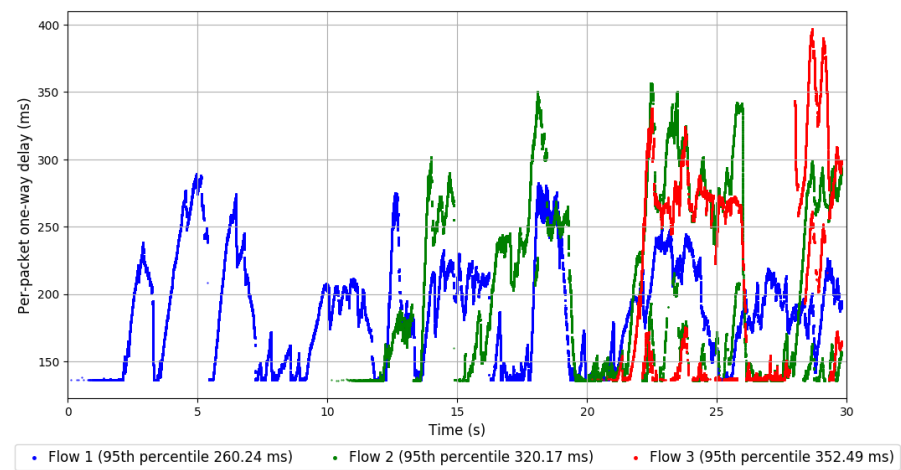
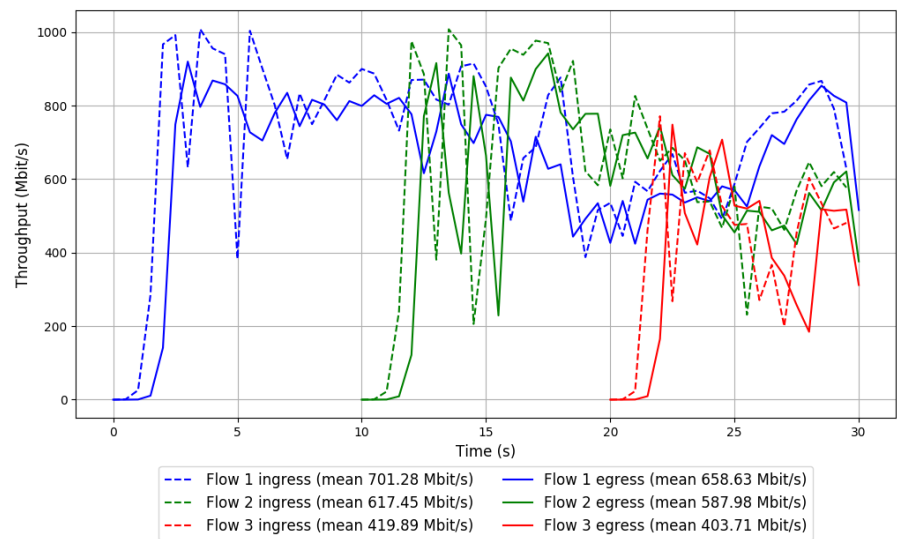
-- Flow 3:

Average throughput: 403.71 Mbit/s

95th percentile per-packet one-way delay: 352.485 ms

Loss rate: 6.51%

Run 6: Report of FillP — Data Link

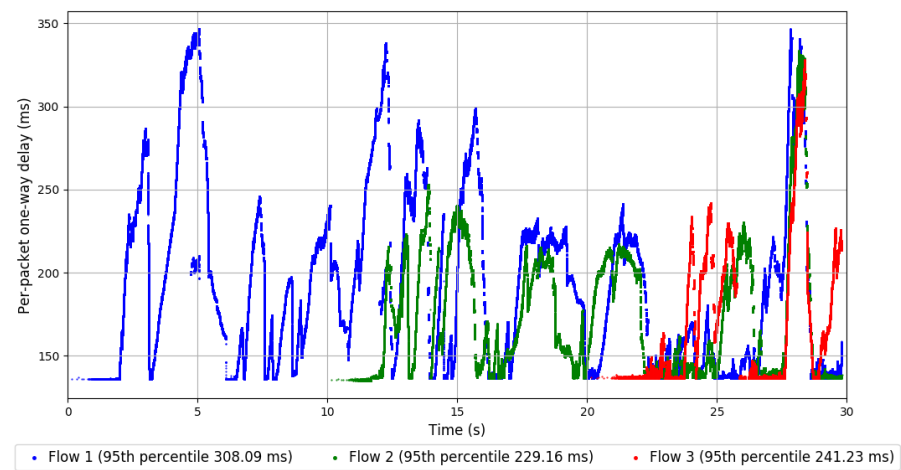
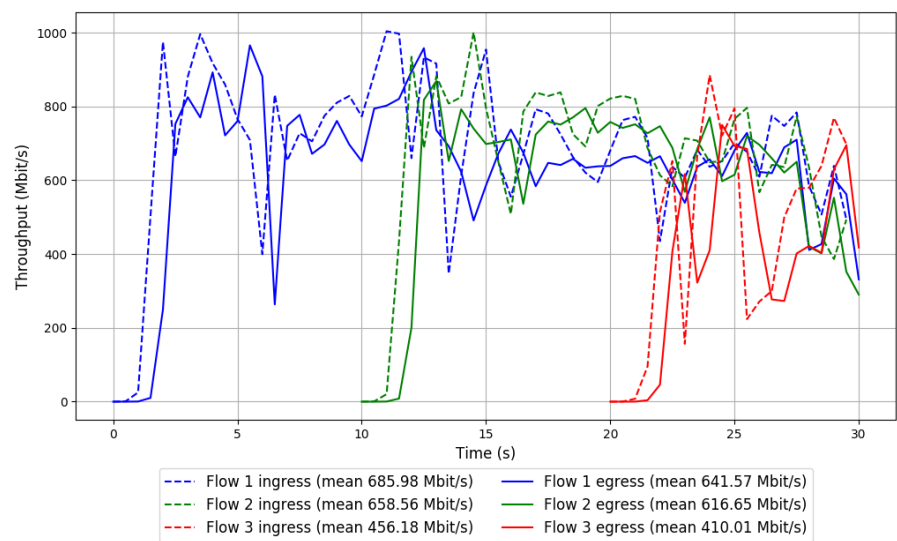


Run 7: Statistics of FillP

Start at: 2018-07-01 06:38:28
End at: 2018-07-01 06:38:58
Local clock offset: 0.079 ms
Remote clock offset: -0.376 ms

Below is generated by plot.py at 2018-07-01 09:17:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 1183.58 Mbit/s
95th percentile per-packet one-way delay: 285.707 ms
Loss rate: 8.05%
-- Flow 1:
Average throughput: 641.57 Mbit/s
95th percentile per-packet one-way delay: 308.093 ms
Loss rate: 7.32%
-- Flow 2:
Average throughput: 616.65 Mbit/s
95th percentile per-packet one-way delay: 229.159 ms
Loss rate: 7.63%
-- Flow 3:
Average throughput: 410.01 Mbit/s
95th percentile per-packet one-way delay: 241.226 ms
Loss rate: 12.59%

Run 7: Report of FillP — Data Link

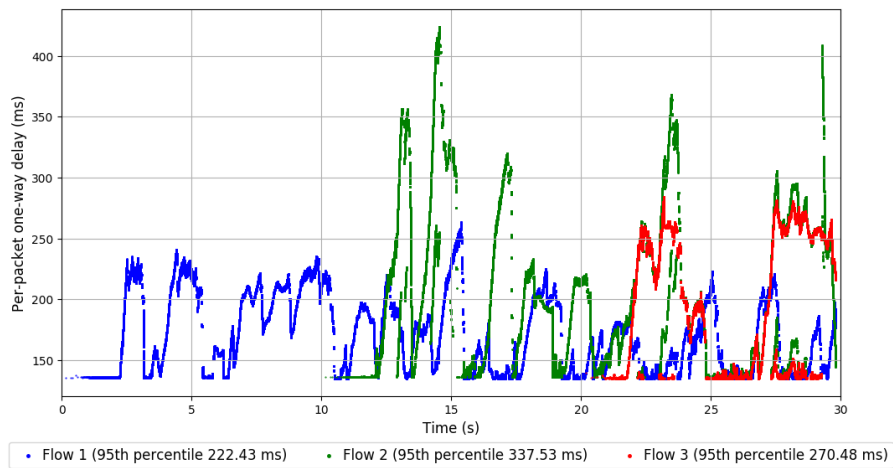
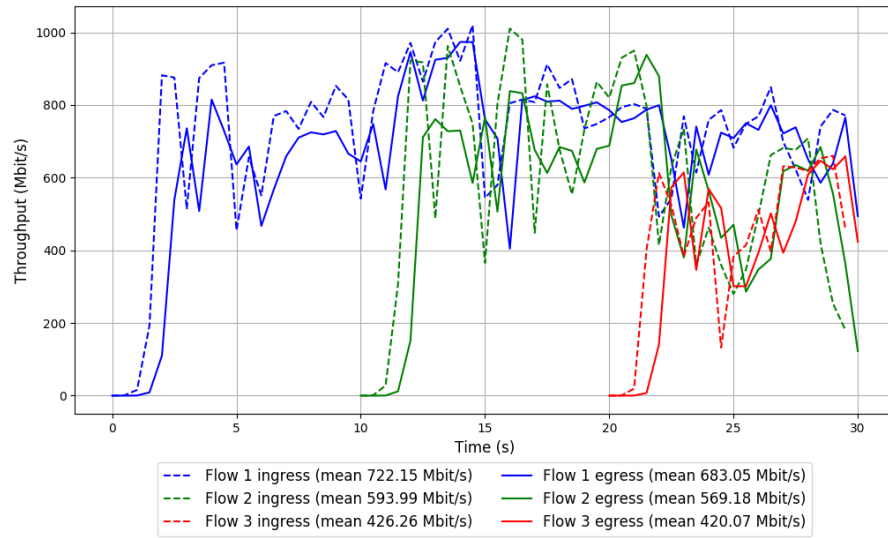


Run 8: Statistics of FillP

Start at: 2018-07-01 07:04:09
End at: 2018-07-01 07:04:39
Local clock offset: 0.291 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-01 09:18:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 1196.67 Mbit/s
95th percentile per-packet one-way delay: 286.609 ms
Loss rate: 5.79%
-- Flow 1:
Average throughput: 683.05 Mbit/s
95th percentile per-packet one-way delay: 222.428 ms
Loss rate: 6.27%
-- Flow 2:
Average throughput: 569.18 Mbit/s
95th percentile per-packet one-way delay: 337.530 ms
Loss rate: 5.49%
-- Flow 3:
Average throughput: 420.07 Mbit/s
95th percentile per-packet one-way delay: 270.479 ms
Loss rate: 4.20%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-01 07:29:51

End at: 2018-07-01 07:30:21

Local clock offset: 0.065 ms

Remote clock offset: -0.38 ms

Below is generated by plot.py at 2018-07-01 09:40:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 1119.82 Mbit/s

95th percentile per-packet one-way delay: 246.677 ms

Loss rate: 8.68%

-- Flow 1:

Average throughput: 563.31 Mbit/s

95th percentile per-packet one-way delay: 257.196 ms

Loss rate: 9.70%

-- Flow 2:

Average throughput: 603.53 Mbit/s

95th percentile per-packet one-way delay: 247.046 ms

Loss rate: 6.48%

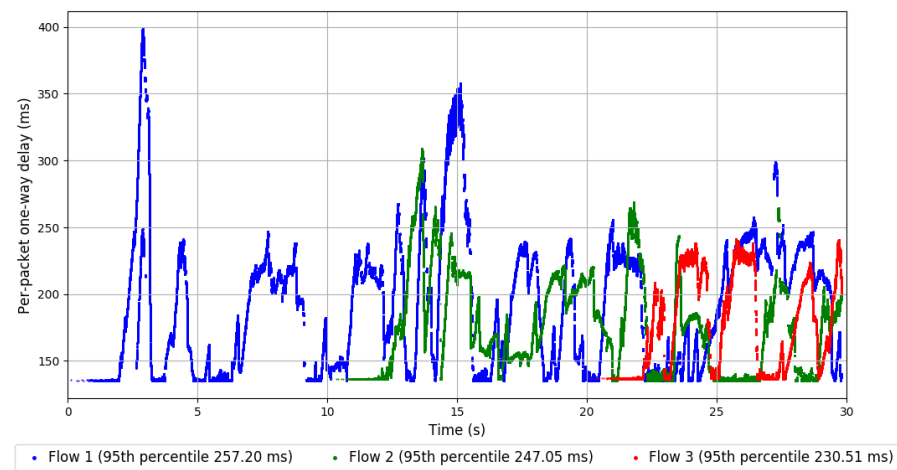
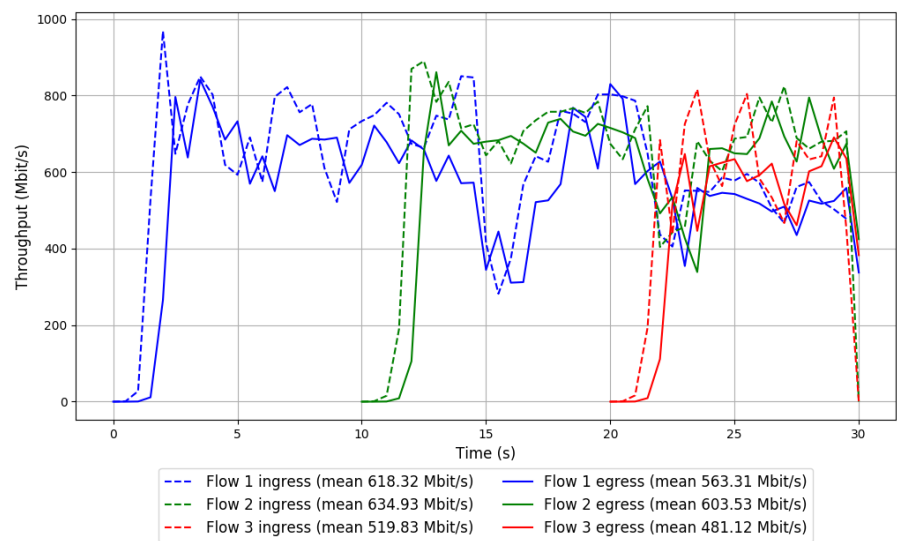
-- Flow 3:

Average throughput: 481.12 Mbit/s

95th percentile per-packet one-way delay: 230.509 ms

Loss rate: 10.45%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-01 07:55:49

End at: 2018-07-01 07:56:19

Local clock offset: 0.008 ms

Remote clock offset: 0.172 ms

Below is generated by plot.py at 2018-07-01 09:41:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 1127.12 Mbit/s

95th percentile per-packet one-way delay: 244.939 ms

Loss rate: 8.00%

-- Flow 1:

Average throughput: 591.96 Mbit/s

95th percentile per-packet one-way delay: 230.806 ms

Loss rate: 7.77%

-- Flow 2:

Average throughput: 575.77 Mbit/s

95th percentile per-packet one-way delay: 294.641 ms

Loss rate: 8.91%

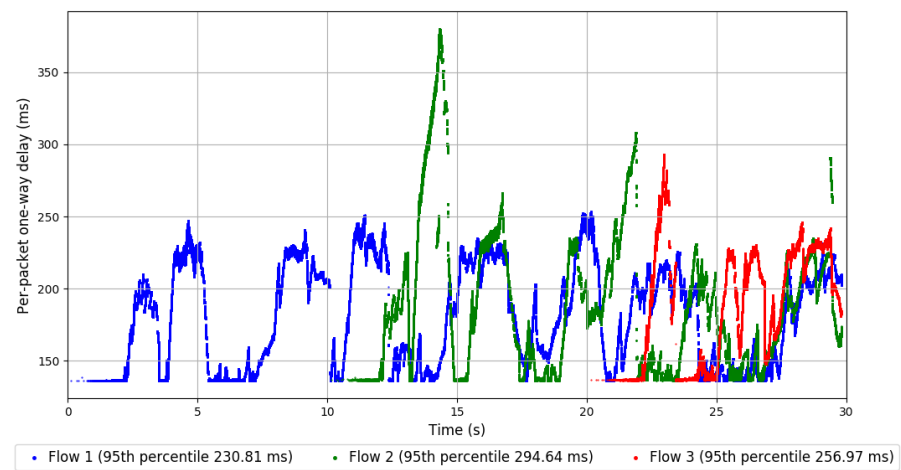
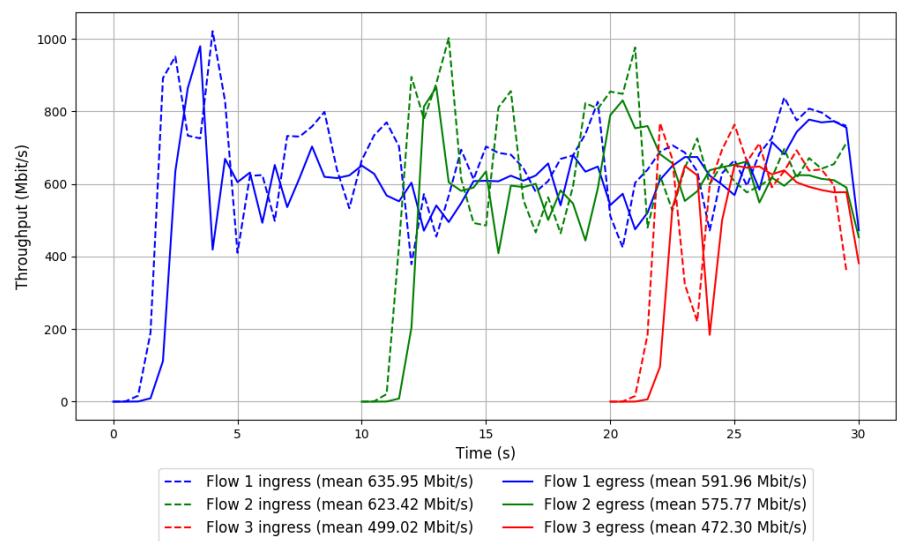
-- Flow 3:

Average throughput: 472.30 Mbit/s

95th percentile per-packet one-way delay: 256.972 ms

Loss rate: 6.61%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-01 04:17:37

End at: 2018-07-01 04:18:07

Local clock offset: 0.266 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-07-01 09:41:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 136.732 ms

Loss rate: 1.33%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 136.360 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 136.324 ms

Loss rate: 0.00%

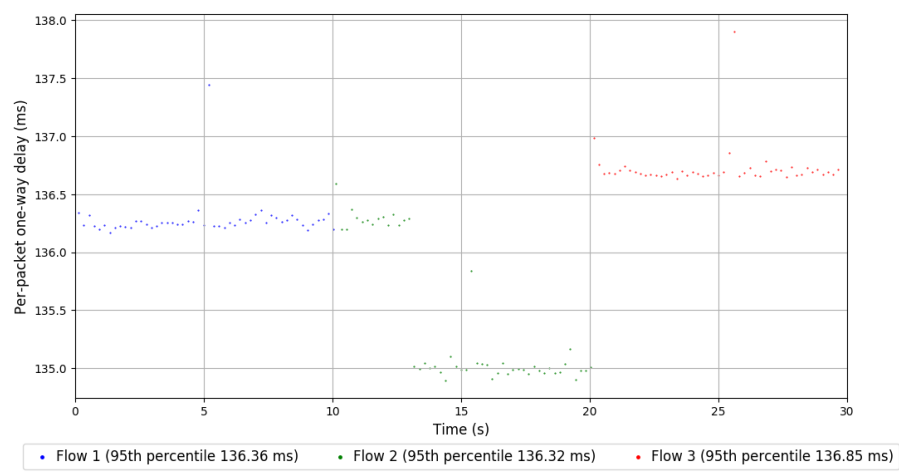
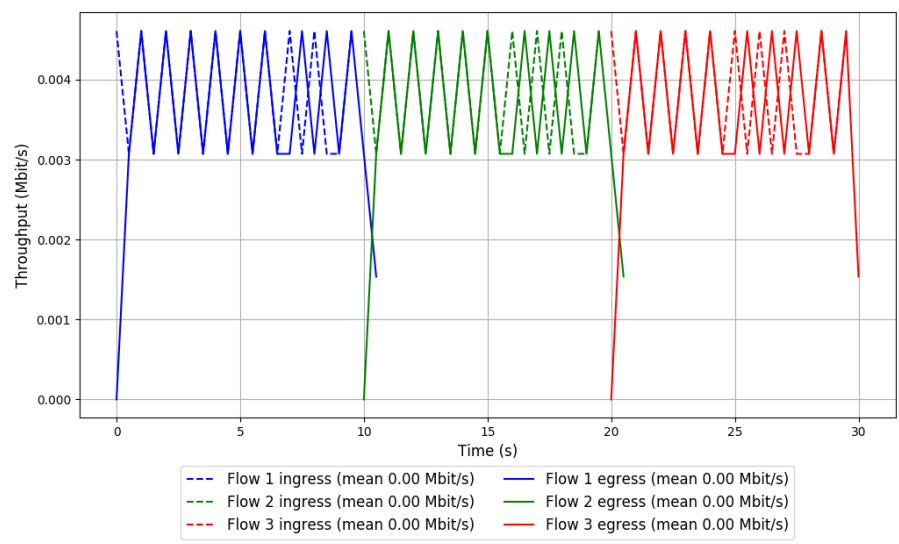
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 136.855 ms

Loss rate: 4.00%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-01 04:43:19

End at: 2018-07-01 04:43:49

Local clock offset: -0.182 ms

Remote clock offset: 0.065 ms

Below is generated by plot.py at 2018-07-01 09:41:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 136.461 ms

Loss rate: 1.33%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 136.015 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

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

Loss rate: 0.00%

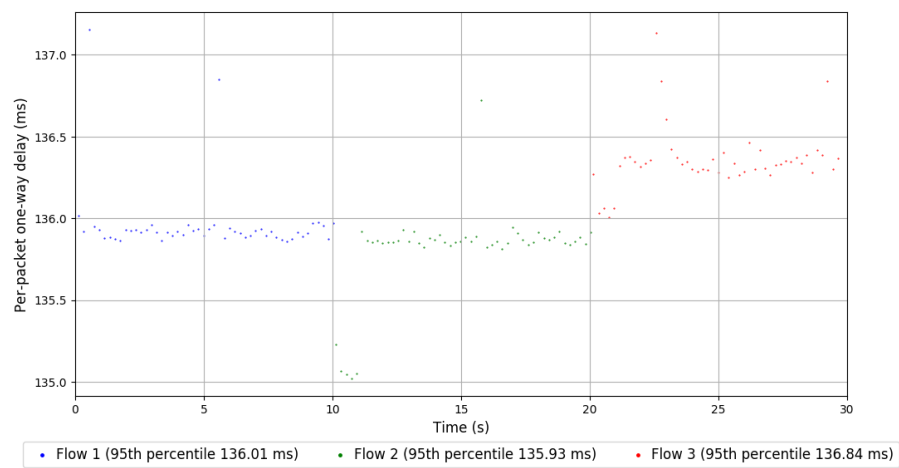
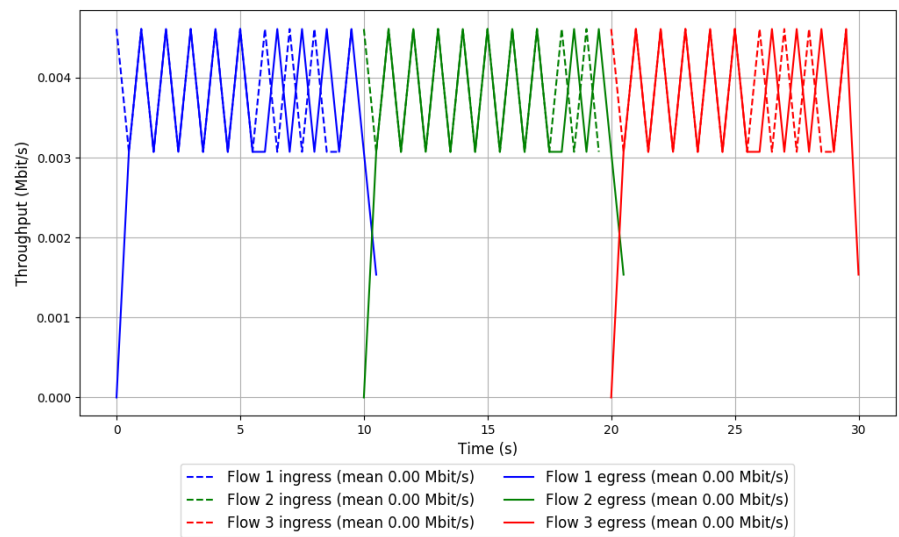
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 136.840 ms

Loss rate: 4.00%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-01 05:09:04

End at: 2018-07-01 05:09:34

Local clock offset: -0.217 ms

Remote clock offset: 0.411 ms

Below is generated by plot.py at 2018-07-01 09:41:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 136.205 ms

Loss rate: 1.33%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 136.700 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 134.891 ms

Loss rate: 0.00%

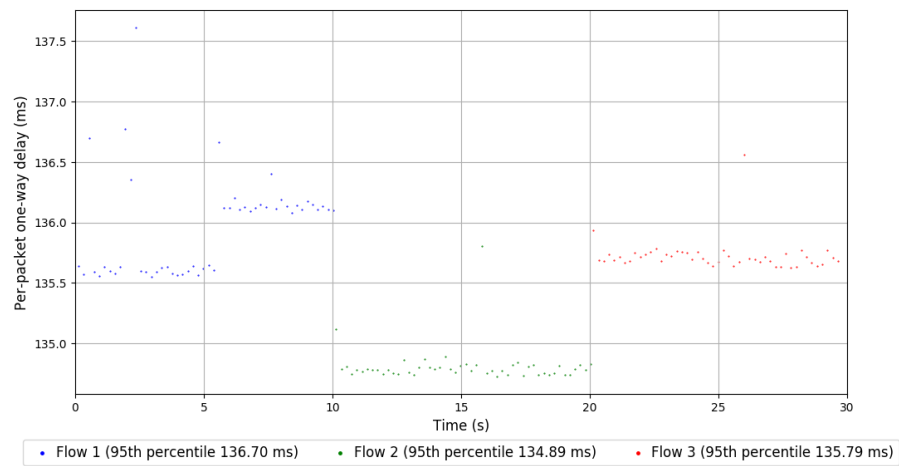
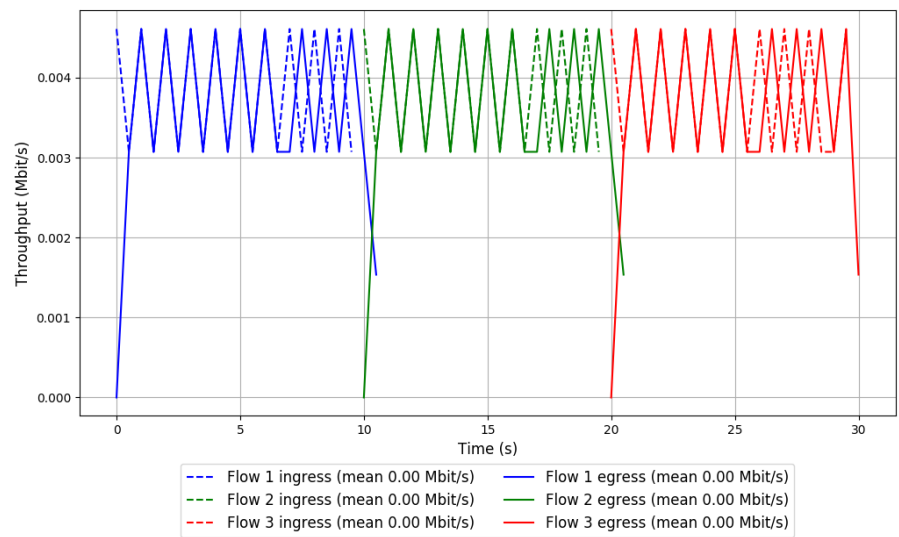
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 135.786 ms

Loss rate: 4.00%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-01 05:34:48

End at: 2018-07-01 05:35:18

Local clock offset: 0.315 ms

Remote clock offset: 0.093 ms

Below is generated by plot.py at 2018-07-01 09:41:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 136.658 ms

Loss rate: 1.33%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 136.591 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 136.658 ms

Loss rate: 0.00%

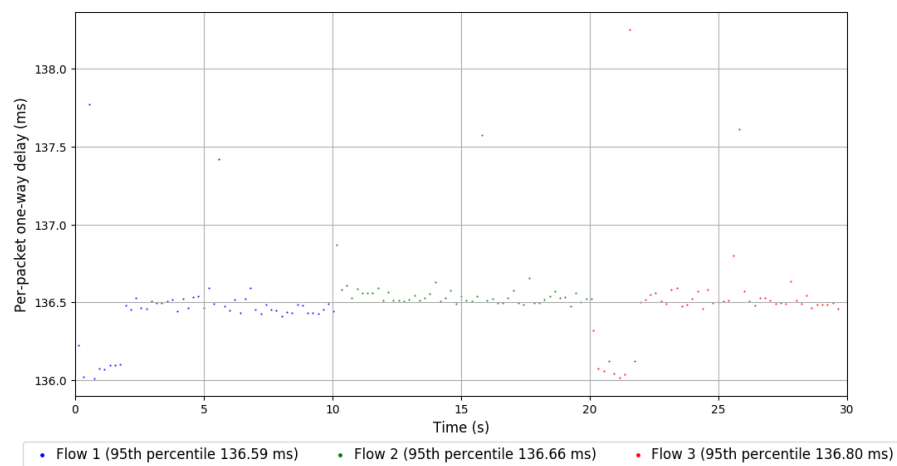
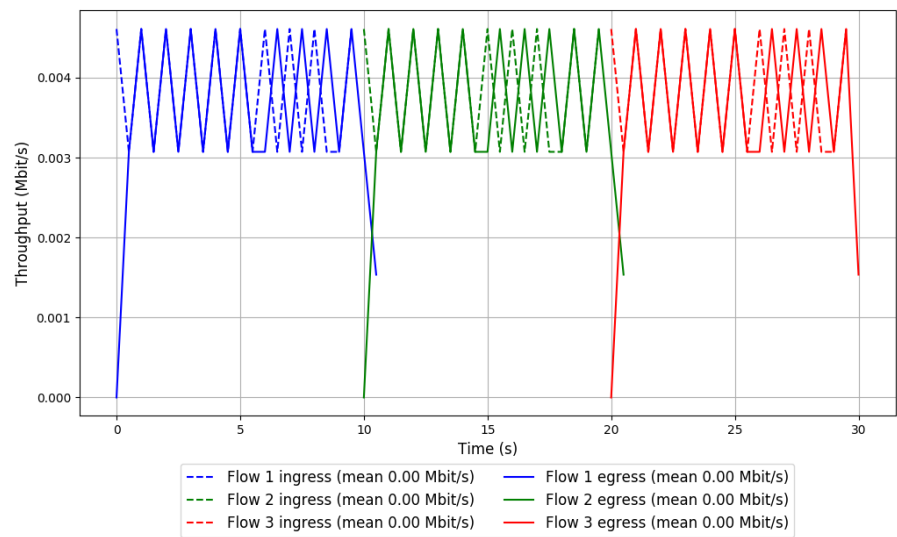
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 136.803 ms

Loss rate: 4.00%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-01 06:00:20

End at: 2018-07-01 06:00:50

Local clock offset: -0.052 ms

Remote clock offset: 0.105 ms

Below is generated by plot.py at 2018-07-01 09:41:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 136.485 ms

Loss rate: 1.33%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 135.730 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 136.008 ms

Loss rate: 0.00%

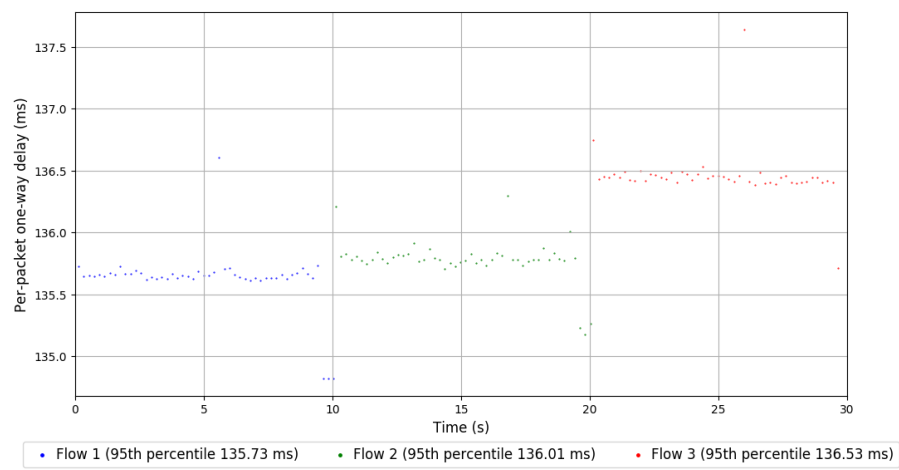
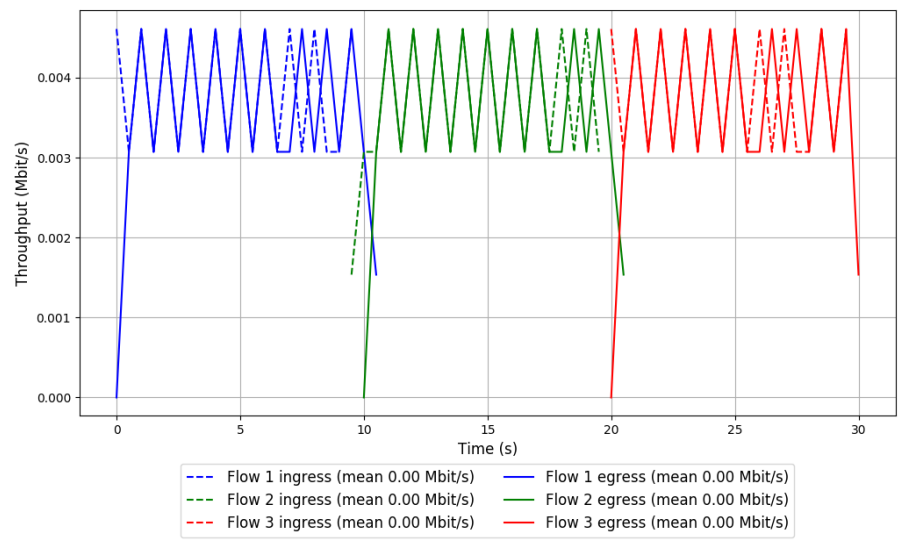
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 136.532 ms

Loss rate: 4.00%

Run 5: Report of FillP-Sheep — Data Link

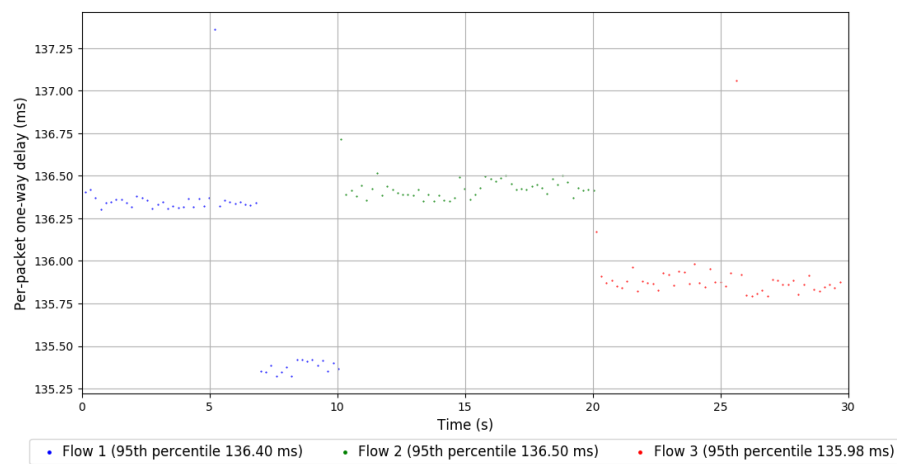
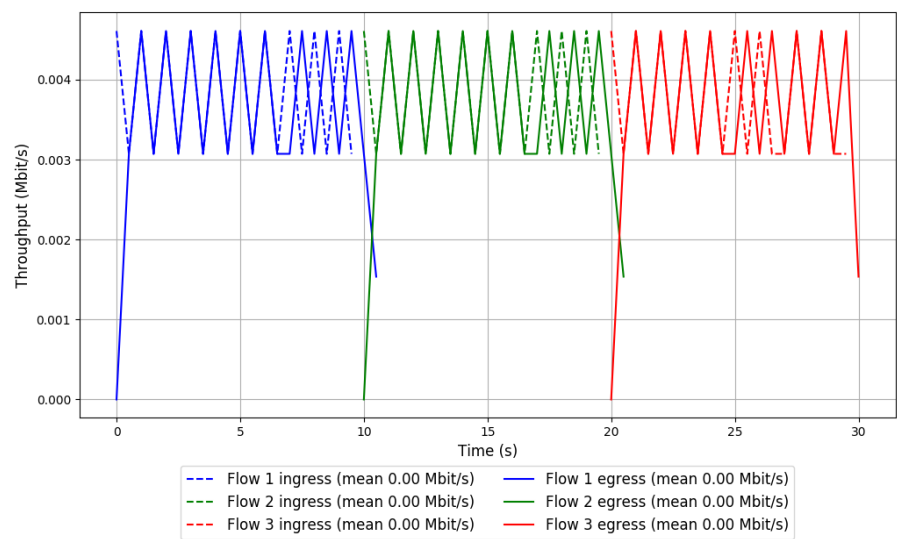


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-01 06:26:13
End at: 2018-07-01 06:26:43
Local clock offset: 0.168 ms
Remote clock offset: -0.344 ms

Below is generated by plot.py at 2018-07-01 09:41:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 136.493 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 136.403 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 136.502 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 135.982 ms
Loss rate: 2.04%

Run 6: Report of FillP-Sheep — Data Link

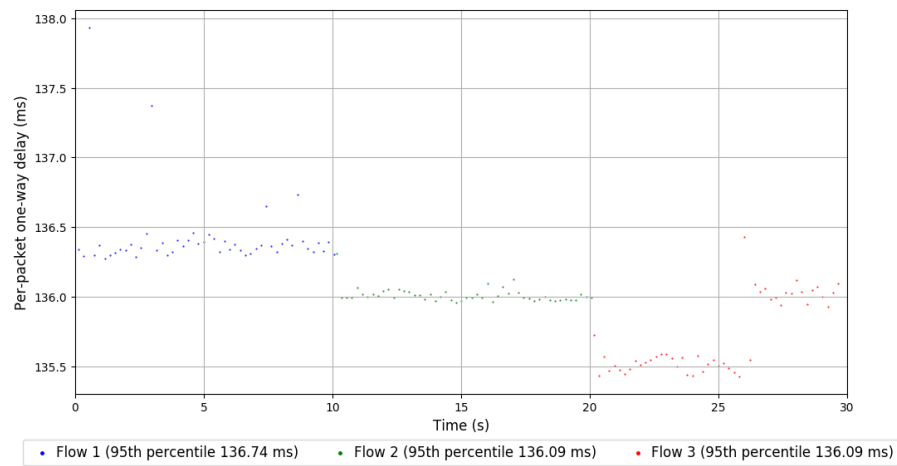
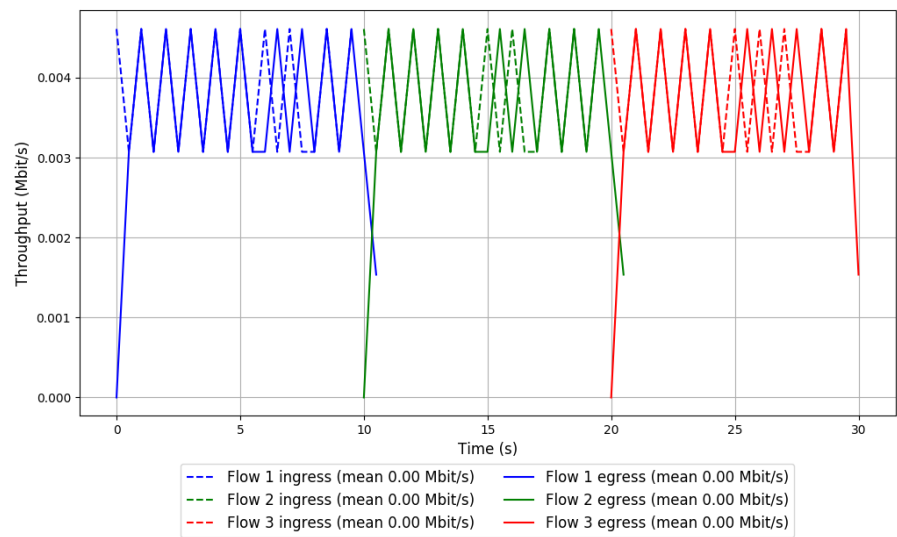


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-01 06:52:14
End at: 2018-07-01 06:52:44
Local clock offset: 0.228 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-01 09:41:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 136.428 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 136.737 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 136.095 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 136.093 ms
Loss rate: 4.00%

Run 7: Report of FillP-Sheep — Data Link

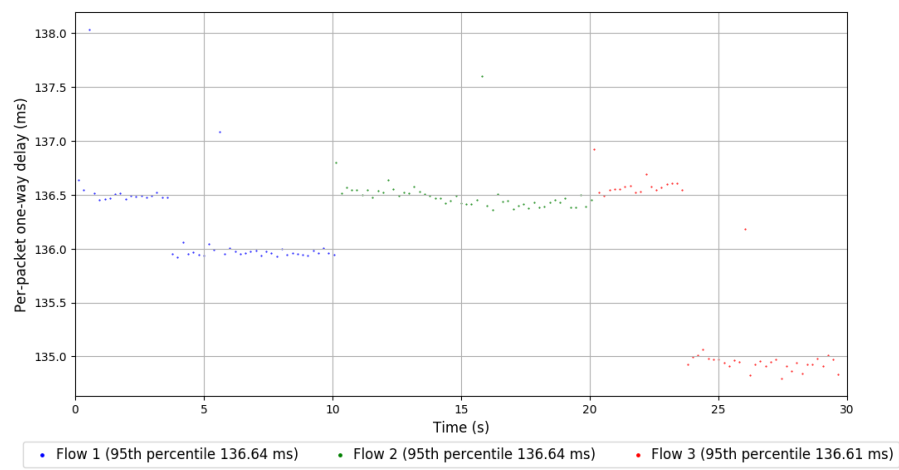
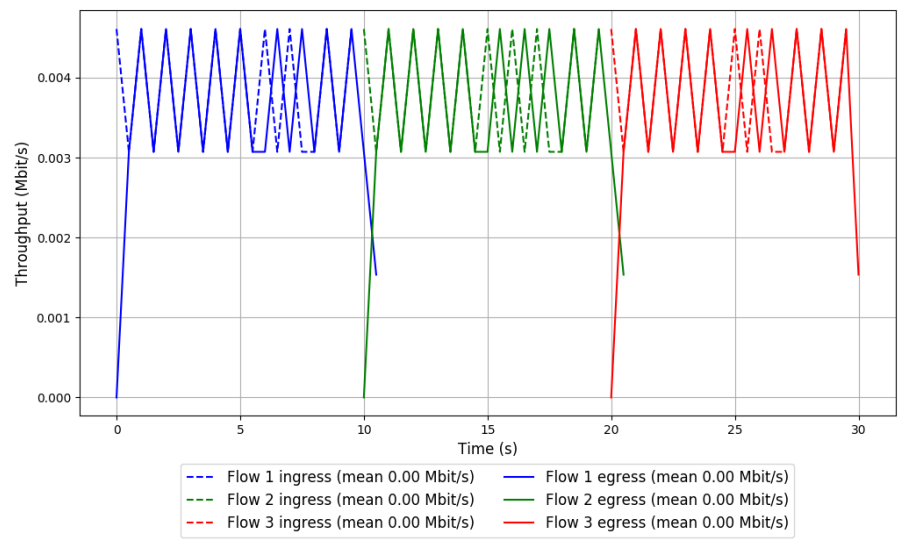


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-01 07:17:46
End at: 2018-07-01 07:18:16
Local clock offset: 0.248 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-01 09:41:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 136.636 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 136.636 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 136.636 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 136.611 ms
Loss rate: 4.00%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-01 07:43:46

End at: 2018-07-01 07:44:16

Local clock offset: -0.009 ms

Remote clock offset: 0.061 ms

Below is generated by plot.py at 2018-07-01 09:41:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 136.110 ms

Loss rate: 1.33%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 135.173 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 136.144 ms

Loss rate: 0.00%

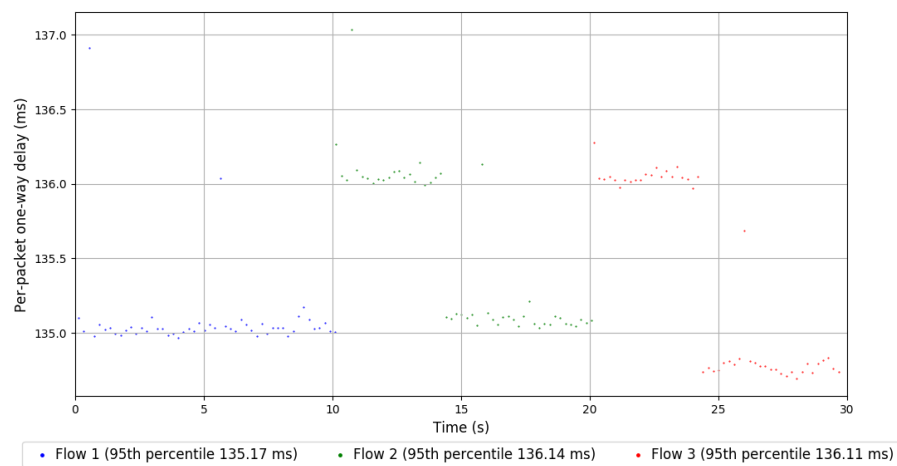
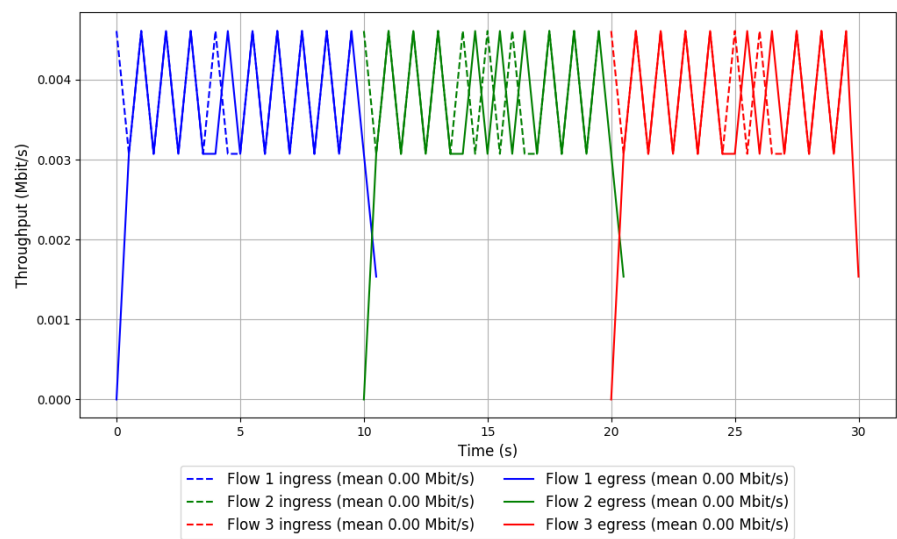
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 136.110 ms

Loss rate: 4.00%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-01 08:09:33

End at: 2018-07-01 08:10:03

Local clock offset: -0.064 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-07-01 09:41:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

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

Loss rate: 1.33%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 136.075 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

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

Loss rate: 0.00%

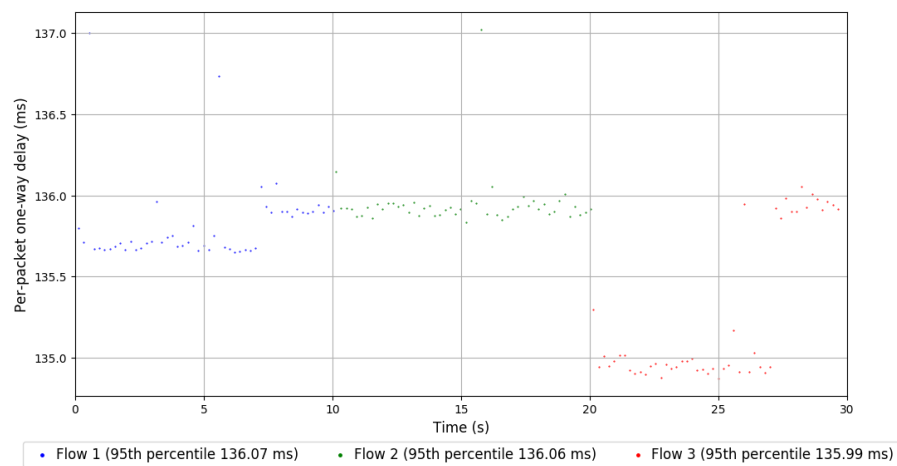
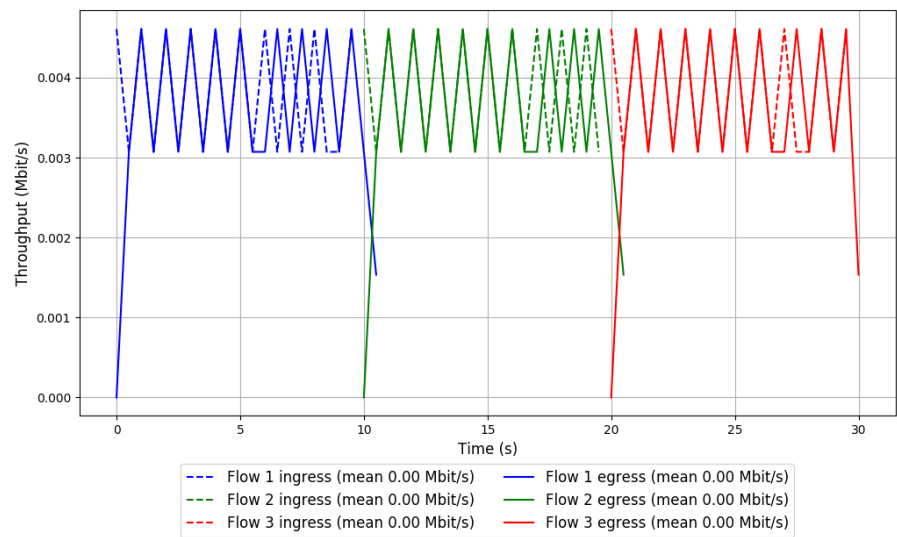
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 135.985 ms

Loss rate: 4.00%

Run 10: Report of FillP-Sheep — Data Link

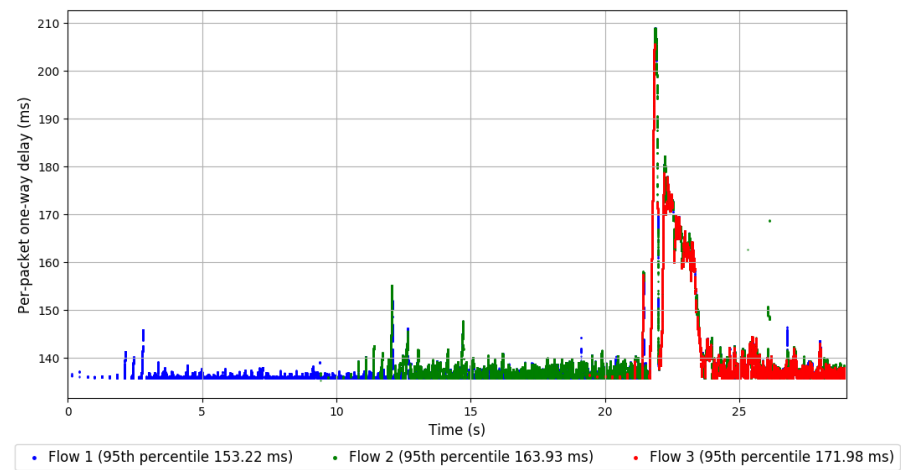
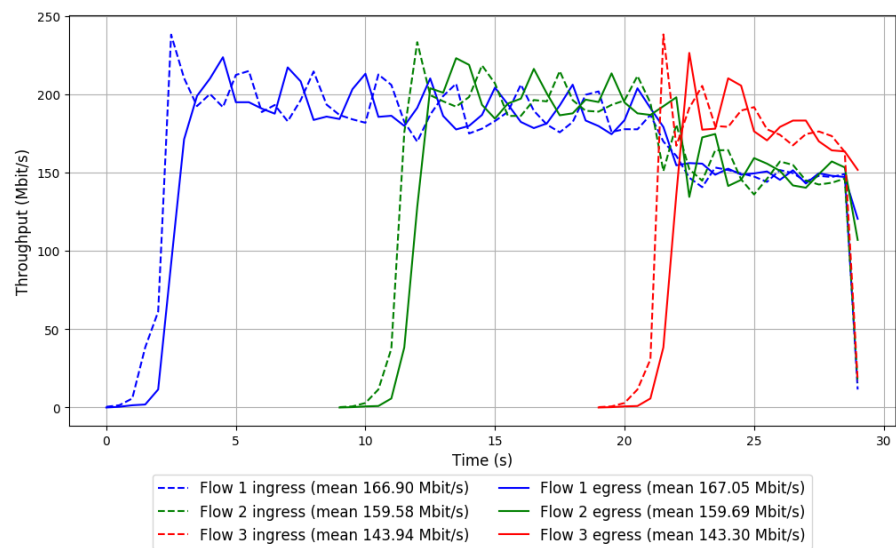


Run 1: Statistics of Indigo

Start at: 2018-07-01 04:26:42
End at: 2018-07-01 04:27:12
Local clock offset: -0.07 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-01 09:41:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 322.57 Mbit/s
95th percentile per-packet one-way delay: 164.484 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 167.05 Mbit/s
95th percentile per-packet one-way delay: 153.216 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 159.69 Mbit/s
95th percentile per-packet one-way delay: 163.930 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 143.30 Mbit/s
95th percentile per-packet one-way delay: 171.983 ms
Loss rate: 3.22%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-01 04:52:21

End at: 2018-07-01 04:52:51

Local clock offset: -0.401 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-07-01 09:41:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 271.84 Mbit/s

95th percentile per-packet one-way delay: 143.074 ms

Loss rate: 1.58%

-- Flow 1:

Average throughput: 134.11 Mbit/s

95th percentile per-packet one-way delay: 140.024 ms

Loss rate: 0.96%

-- Flow 2:

Average throughput: 133.54 Mbit/s

95th percentile per-packet one-way delay: 143.131 ms

Loss rate: 1.45%

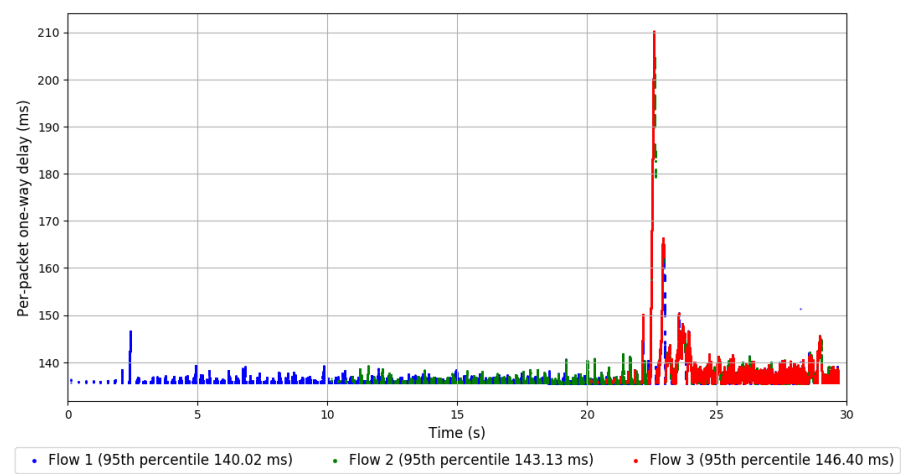
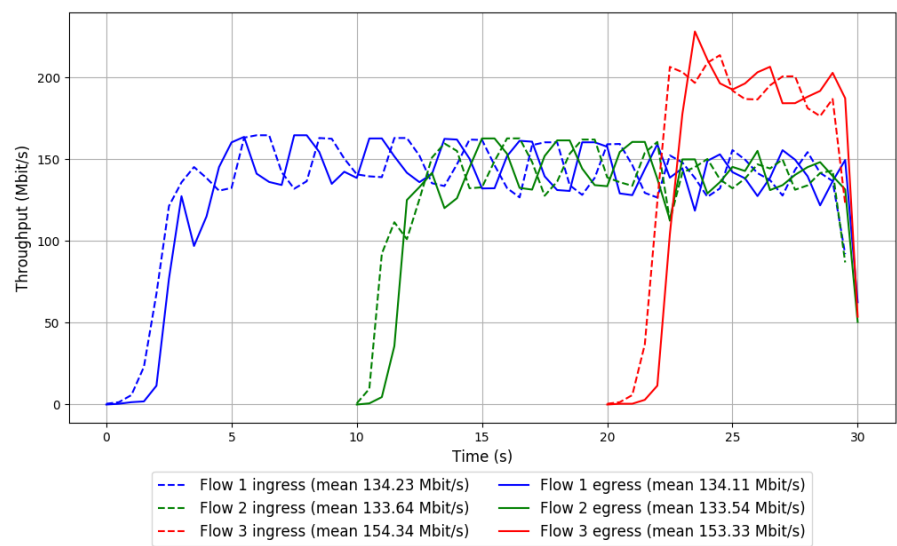
-- Flow 3:

Average throughput: 153.33 Mbit/s

95th percentile per-packet one-way delay: 146.399 ms

Loss rate: 3.41%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-01 05:18:19

End at: 2018-07-01 05:18:49

Local clock offset: 0.051 ms

Remote clock offset: 0.453 ms

Below is generated by plot.py at 2018-07-01 09:41:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 318.53 Mbit/s

95th percentile per-packet one-way delay: 156.239 ms

Loss rate: 1.31%

-- Flow 1:

Average throughput: 166.88 Mbit/s

95th percentile per-packet one-way delay: 146.301 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 159.82 Mbit/s

95th percentile per-packet one-way delay: 162.608 ms

Loss rate: 1.29%

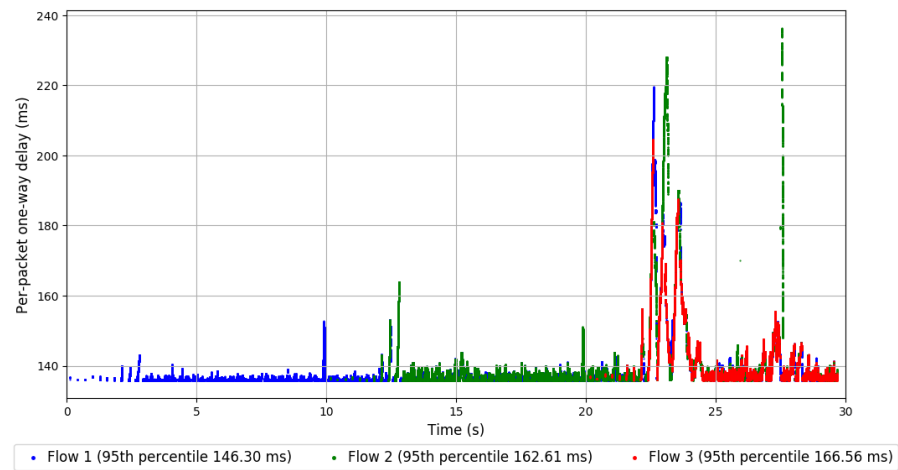
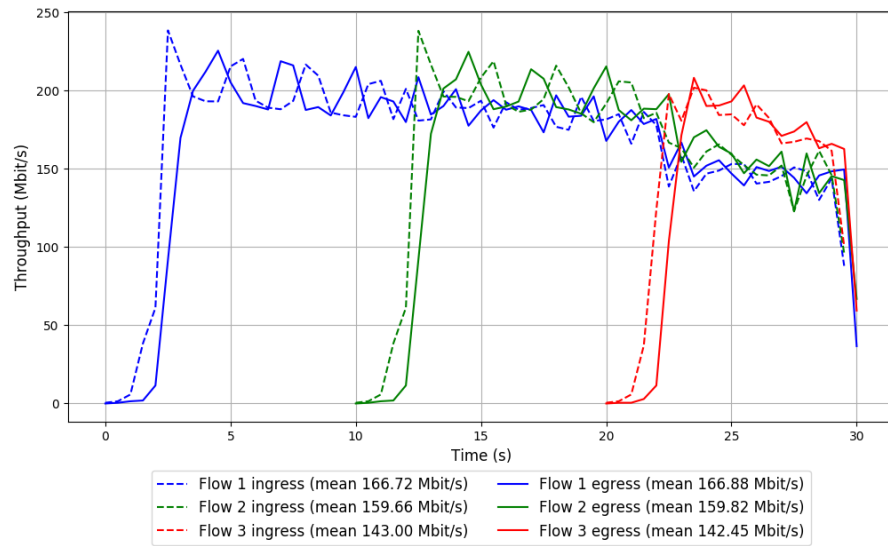
-- Flow 3:

Average throughput: 142.45 Mbit/s

95th percentile per-packet one-way delay: 166.556 ms

Loss rate: 3.14%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-01 05:44:02

End at: 2018-07-01 05:44:32

Local clock offset: 0.154 ms

Remote clock offset: 0.093 ms

Below is generated by plot.py at 2018-07-01 09:41:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 253.46 Mbit/s

95th percentile per-packet one-way delay: 139.462 ms

Loss rate: 1.58%

-- Flow 1:

Average throughput: 133.39 Mbit/s

95th percentile per-packet one-way delay: 138.783 ms

Loss rate: 0.99%

-- Flow 2:

Average throughput: 127.12 Mbit/s

95th percentile per-packet one-way delay: 140.515 ms

Loss rate: 1.57%

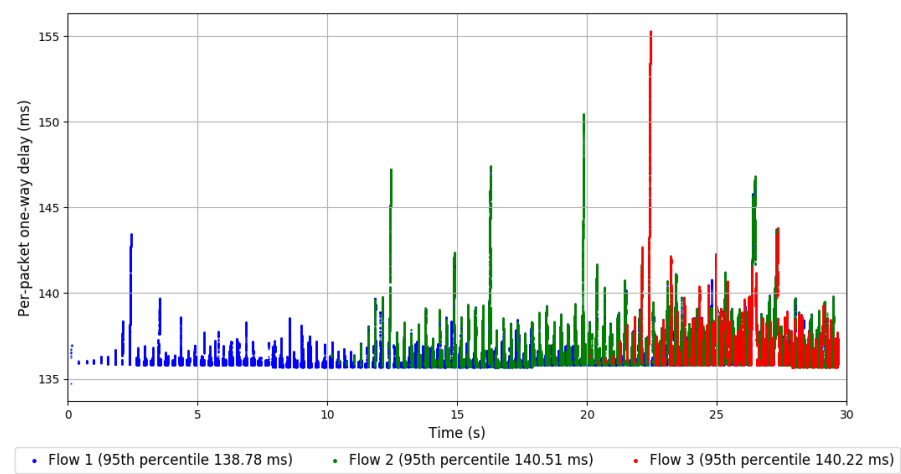
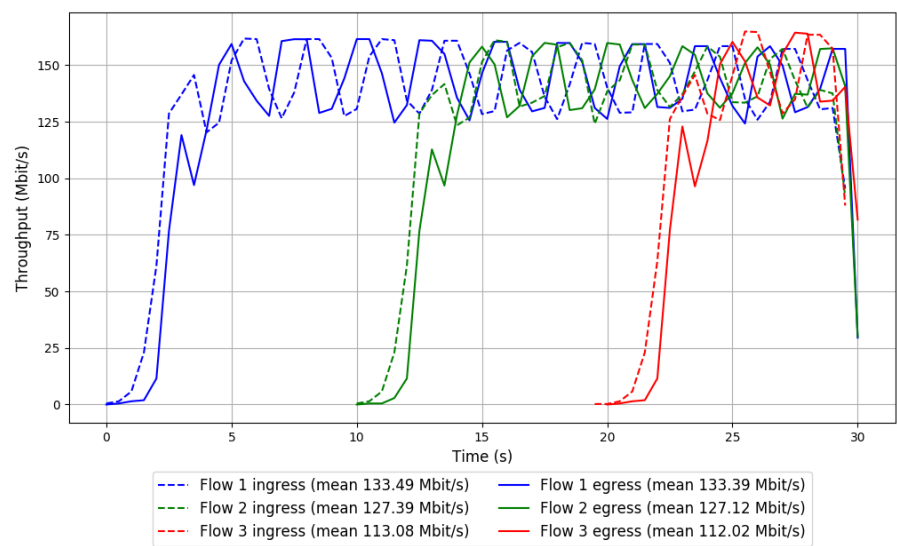
-- Flow 3:

Average throughput: 112.02 Mbit/s

95th percentile per-packet one-way delay: 140.223 ms

Loss rate: 3.70%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-01 06:09:28

End at: 2018-07-01 06:09:58

Local clock offset: 0.054 ms

Remote clock offset: 0.061 ms

Below is generated by plot.py at 2018-07-01 09:41:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 283.76 Mbit/s

95th percentile per-packet one-way delay: 142.143 ms

Loss rate: 1.51%

-- Flow 1:

Average throughput: 133.87 Mbit/s

95th percentile per-packet one-way delay: 141.422 ms

Loss rate: 0.97%

-- Flow 2:

Average throughput: 172.87 Mbit/s

95th percentile per-packet one-way delay: 141.914 ms

Loss rate: 1.45%

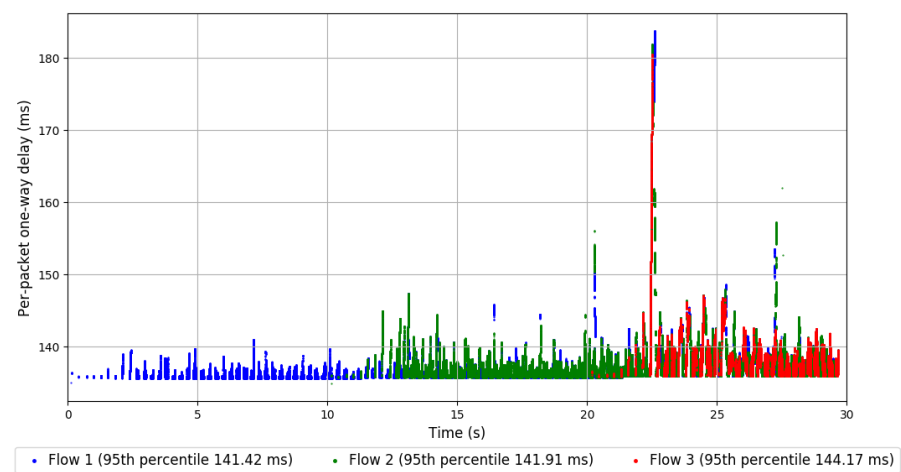
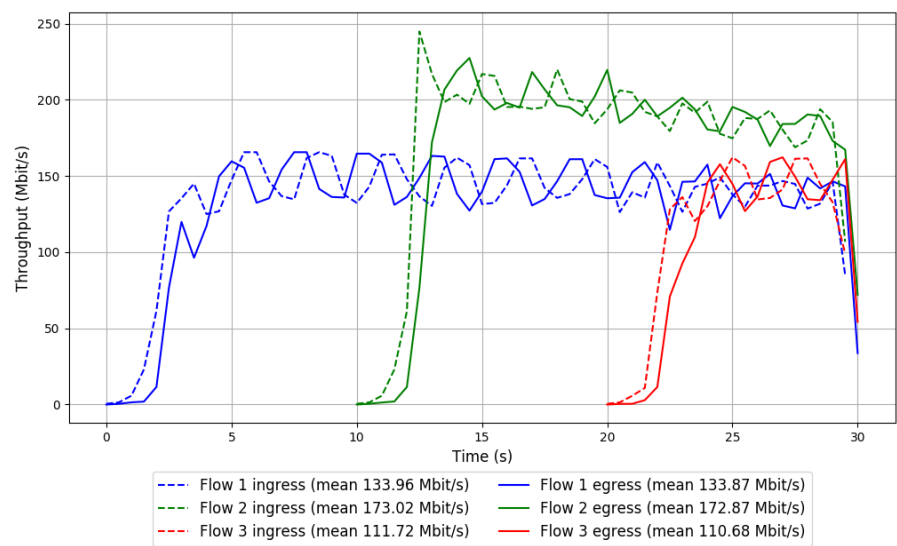
-- Flow 3:

Average throughput: 110.68 Mbit/s

95th percentile per-packet one-way delay: 144.167 ms

Loss rate: 3.68%

Run 5: Report of Indigo — Data Link

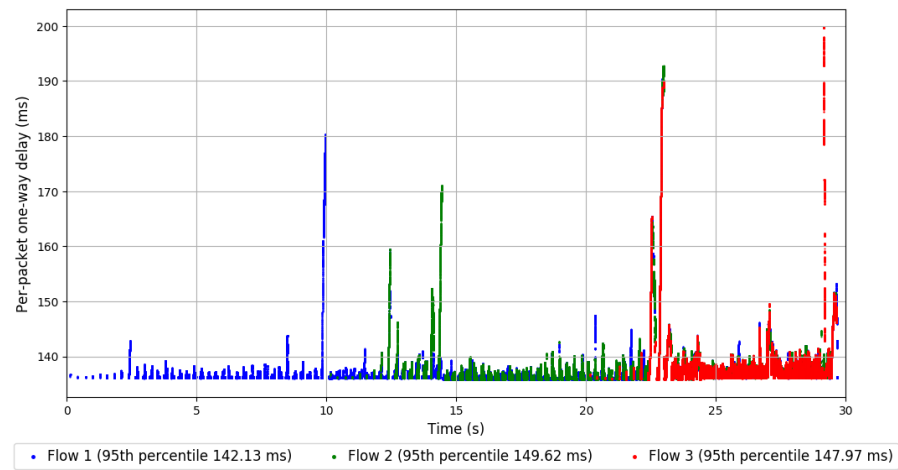
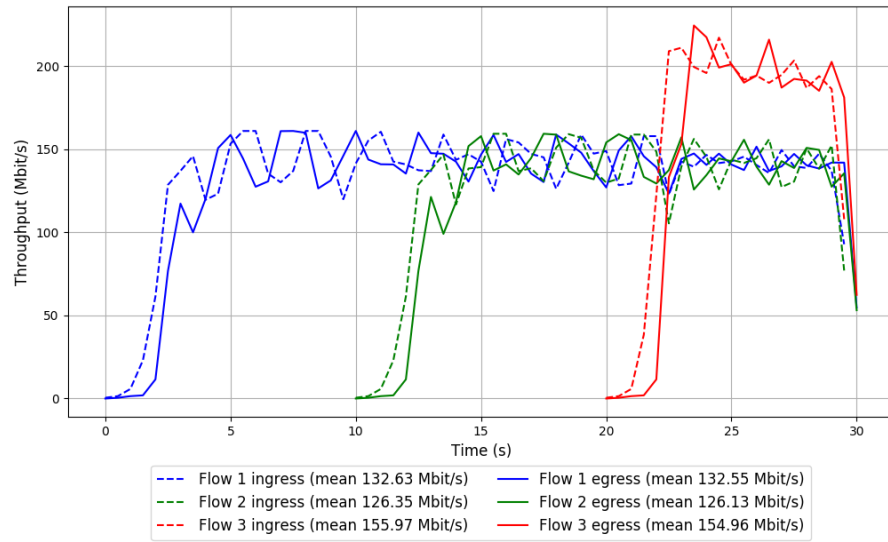


Run 6: Statistics of Indigo

Start at: 2018-07-01 06:35:35
End at: 2018-07-01 06:36:05
Local clock offset: 0.232 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-01 09:41:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 265.67 Mbit/s
95th percentile per-packet one-way delay: 145.810 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 132.55 Mbit/s
95th percentile per-packet one-way delay: 142.130 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 126.13 Mbit/s
95th percentile per-packet one-way delay: 149.617 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 154.96 Mbit/s
95th percentile per-packet one-way delay: 147.965 ms
Loss rate: 3.43%

Run 6: Report of Indigo — Data Link

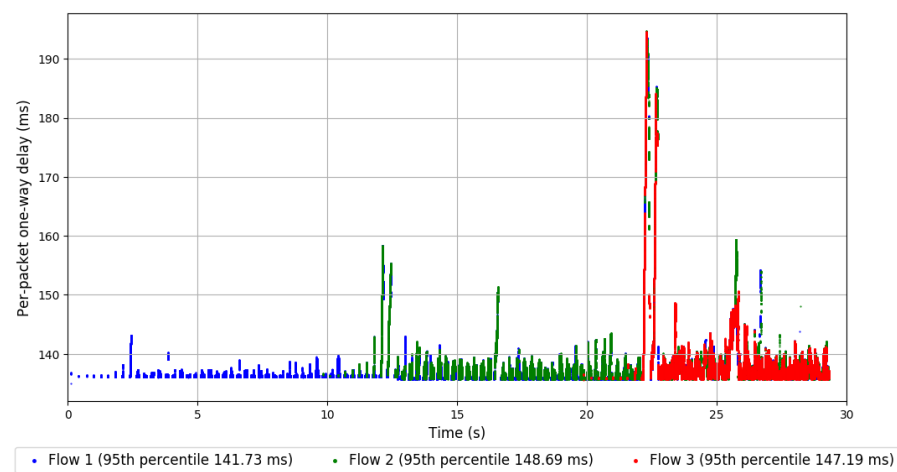
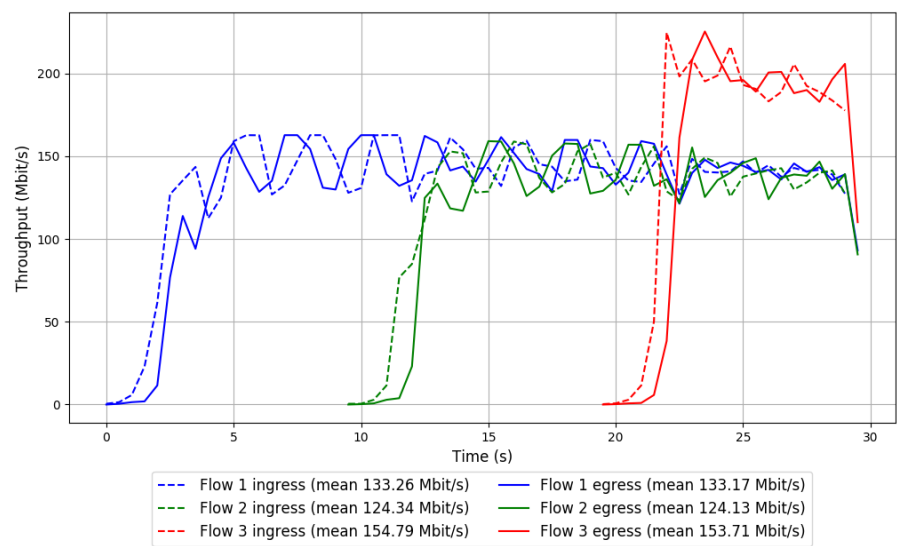


Run 7: Statistics of Indigo

Start at: 2018-07-01 07:01:17
End at: 2018-07-01 07:01:47
Local clock offset: 0.024 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-01 09:41:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 265.79 Mbit/s
95th percentile per-packet one-way delay: 144.972 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 133.17 Mbit/s
95th percentile per-packet one-way delay: 141.726 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 124.13 Mbit/s
95th percentile per-packet one-way delay: 148.688 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 153.71 Mbit/s
95th percentile per-packet one-way delay: 147.188 ms
Loss rate: 3.49%

Run 7: Report of Indigo — Data Link

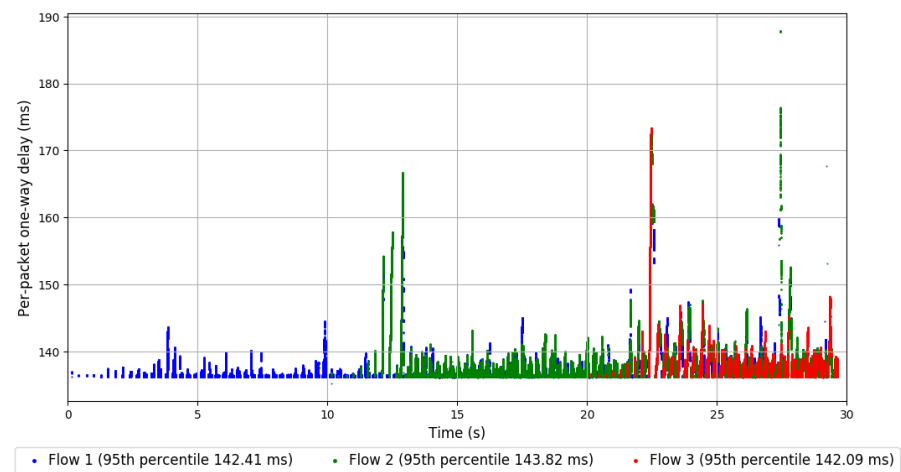
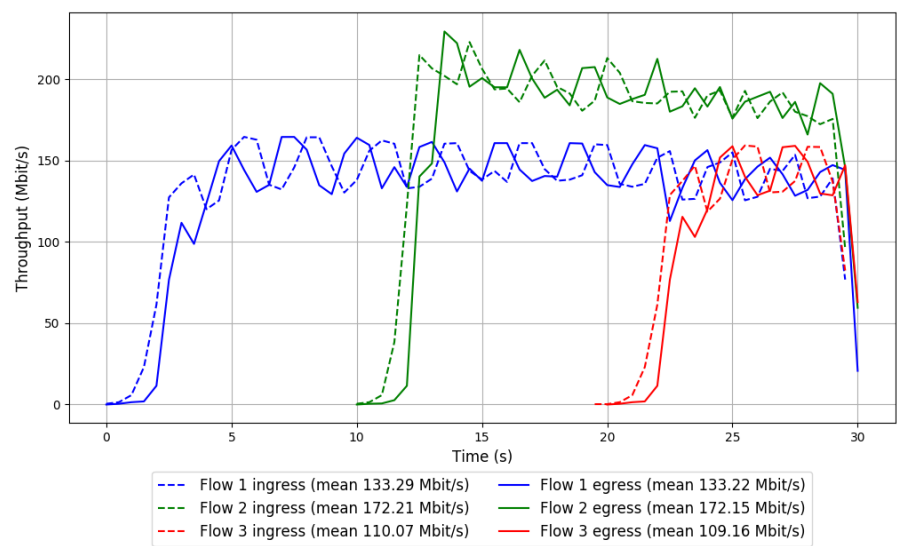


Run 8: Statistics of Indigo

Start at: 2018-07-01 07:26:56
End at: 2018-07-01 07:27:26
Local clock offset: 0.059 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-07-01 09:41:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 282.10 Mbit/s
95th percentile per-packet one-way delay: 142.903 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 133.22 Mbit/s
95th percentile per-packet one-way delay: 142.414 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 172.15 Mbit/s
95th percentile per-packet one-way delay: 143.823 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 109.16 Mbit/s
95th percentile per-packet one-way delay: 142.087 ms
Loss rate: 3.59%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-01 07:52:53

End at: 2018-07-01 07:53:23

Local clock offset: 0.027 ms

Remote clock offset: -0.27 ms

Below is generated by plot.py at 2018-07-01 09:41:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 288.31 Mbit/s

95th percentile per-packet one-way delay: 144.584 ms

Loss rate: 1.51%

-- Flow 1:

Average throughput: 130.16 Mbit/s

95th percentile per-packet one-way delay: 142.745 ms

Loss rate: 0.98%

-- Flow 2:

Average throughput: 166.37 Mbit/s

95th percentile per-packet one-way delay: 143.947 ms

Loss rate: 1.30%

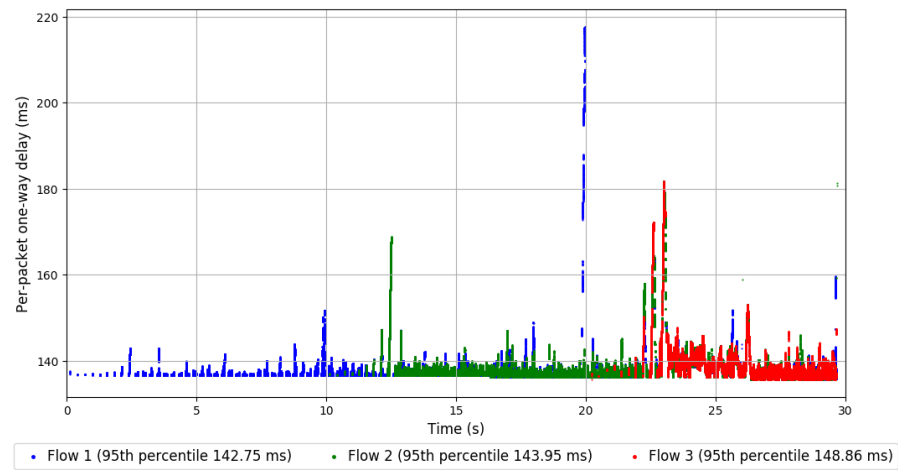
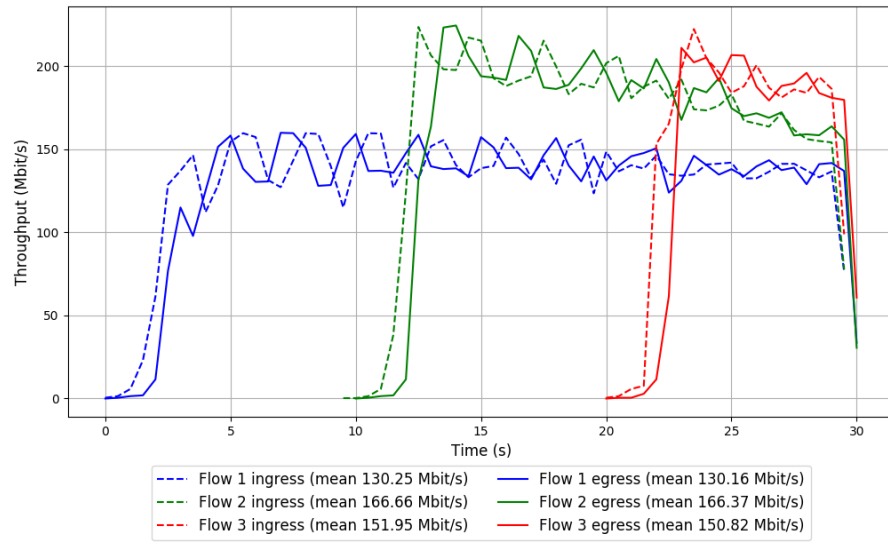
-- Flow 3:

Average throughput: 150.82 Mbit/s

95th percentile per-packet one-way delay: 148.859 ms

Loss rate: 3.39%

Run 9: Report of Indigo — Data Link

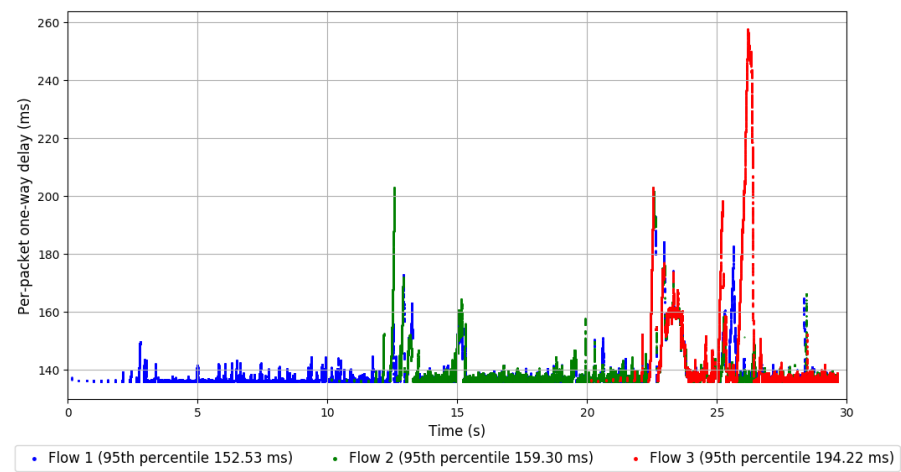
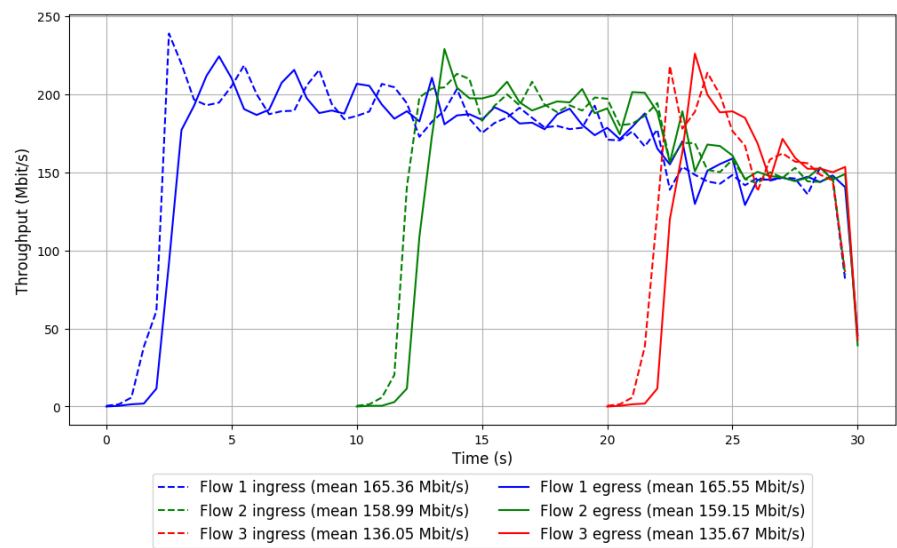


Run 10: Statistics of Indigo

Start at: 2018-07-01 08:18:49
End at: 2018-07-01 08:19:19
Local clock offset: -0.04 ms
Remote clock offset: -0.351 ms

Below is generated by plot.py at 2018-07-01 09:41:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 314.36 Mbit/s
95th percentile per-packet one-way delay: 159.855 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 165.55 Mbit/s
95th percentile per-packet one-way delay: 152.528 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 159.15 Mbit/s
95th percentile per-packet one-way delay: 159.300 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 135.67 Mbit/s
95th percentile per-packet one-way delay: 194.223 ms
Loss rate: 3.04%

Run 10: Report of Indigo — Data Link

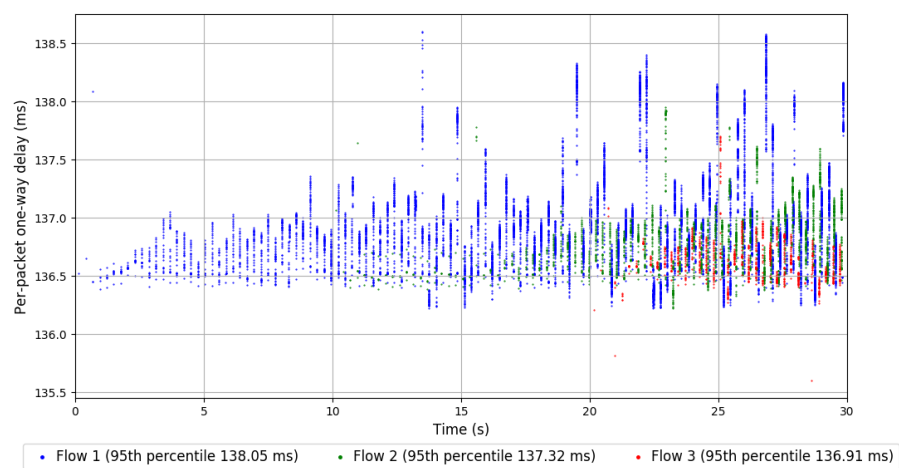
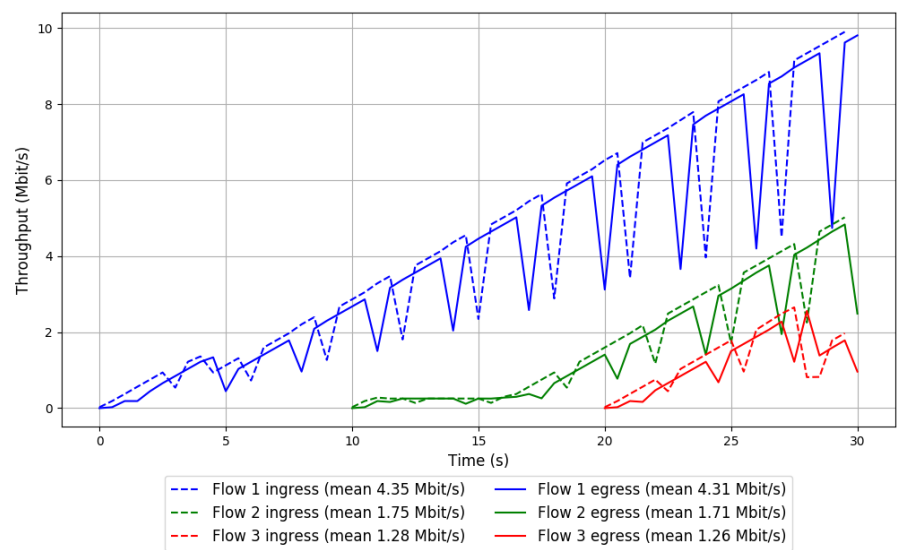


Run 1: Statistics of LEDBAT

Start at: 2018-07-01 04:22:03
End at: 2018-07-01 04:22:33
Local clock offset: 0.02 ms
Remote clock offset: -0.316 ms

Below is generated by plot.py at 2018-07-01 09:41:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.84 Mbit/s
95th percentile per-packet one-way delay: 137.945 ms
Loss rate: 2.41%
-- Flow 1:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 138.046 ms
Loss rate: 1.92%
-- Flow 2:
Average throughput: 1.71 Mbit/s
95th percentile per-packet one-way delay: 137.319 ms
Loss rate: 3.63%
-- Flow 3:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 136.907 ms
Loss rate: 4.09%

Run 1: Report of LEDBAT — Data Link

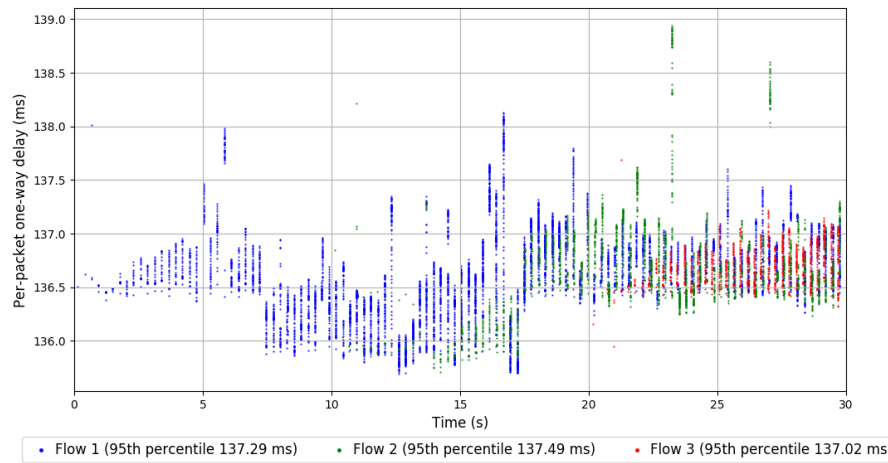
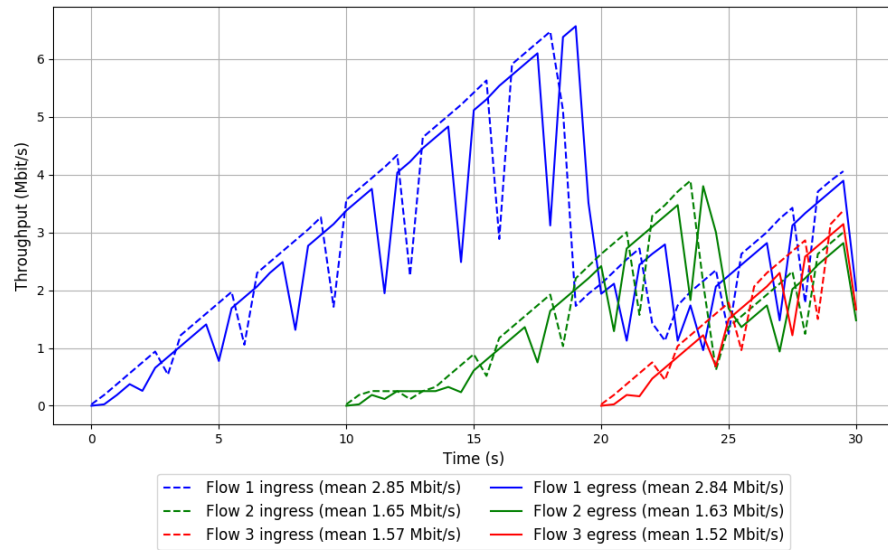


Run 2: Statistics of LEDBAT

Start at: 2018-07-01 04:47:43
End at: 2018-07-01 04:48:13
Local clock offset: -0.181 ms
Remote clock offset: -0.336 ms

Below is generated by plot.py at 2018-07-01 09:41:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.41 Mbit/s
95th percentile per-packet one-way delay: 137.274 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 2.84 Mbit/s
95th percentile per-packet one-way delay: 137.290 ms
Loss rate: 1.24%
-- Flow 2:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 137.486 ms
Loss rate: 2.36%
-- Flow 3:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 137.018 ms
Loss rate: 5.57%

Run 2: Report of LEDBAT — Data Link

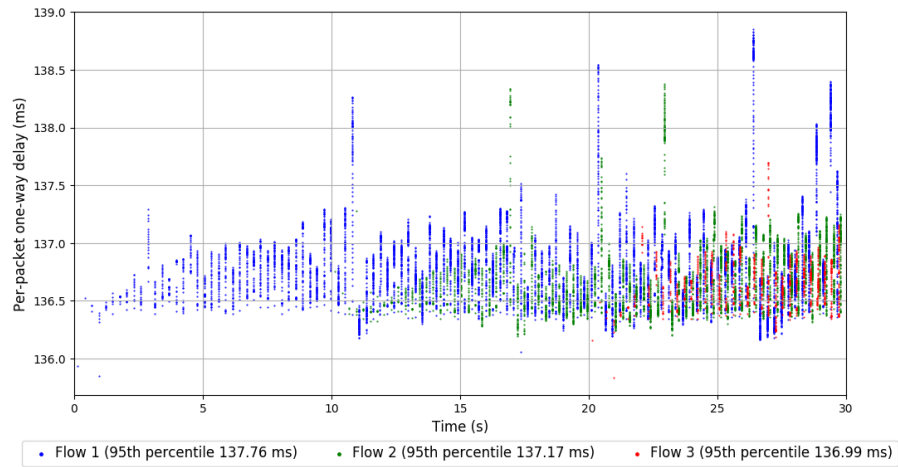
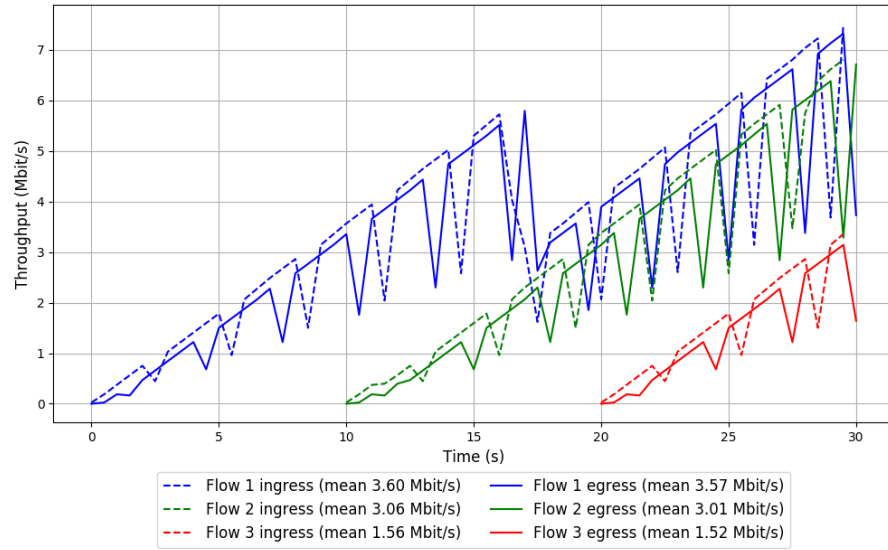


Run 3: Statistics of LEDBAT

Start at: 2018-07-01 05:13:29
End at: 2018-07-01 05:13:59
Local clock offset: -0.166 ms
Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-07-01 09:41:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.04 Mbit/s
95th percentile per-packet one-way delay: 137.361 ms
Loss rate: 2.43%
-- Flow 1:
Average throughput: 3.57 Mbit/s
95th percentile per-packet one-way delay: 137.760 ms
Loss rate: 1.77%
-- Flow 2:
Average throughput: 3.01 Mbit/s
95th percentile per-packet one-way delay: 137.169 ms
Loss rate: 2.81%
-- Flow 3:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 136.986 ms
Loss rate: 5.58%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-01 05:39:16

End at: 2018-07-01 05:39:46

Local clock offset: 0.179 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-07-01 09:41:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.18 Mbit/s

95th percentile per-packet one-way delay: 136.971 ms

Loss rate: 1.56%

-- Flow 1:

Average throughput: 3.55 Mbit/s

95th percentile per-packet one-way delay: 137.019 ms

Loss rate: 0.98%

-- Flow 2:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 136.743 ms

Loss rate: 1.67%

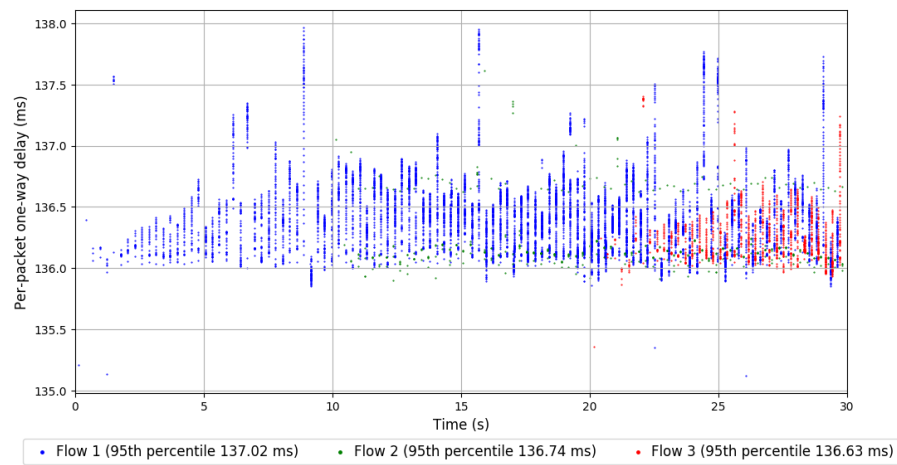
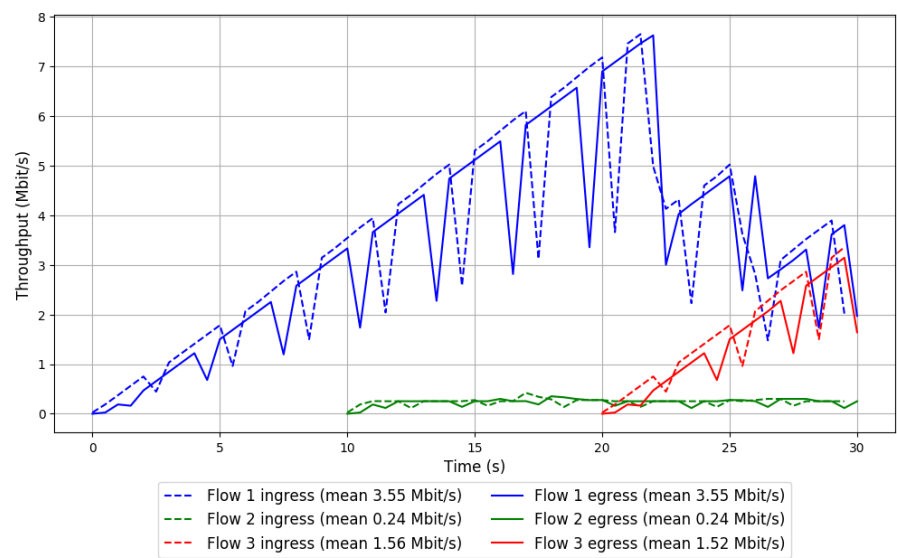
-- Flow 3:

Average throughput: 1.52 Mbit/s

95th percentile per-packet one-way delay: 136.630 ms

Loss rate: 5.58%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-01 06:04:43

End at: 2018-07-01 06:05:13

Local clock offset: 0.134 ms

Remote clock offset: 0.105 ms

Below is generated by plot.py at 2018-07-01 09:41:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 5.29 Mbit/s

95th percentile per-packet one-way delay: 137.011 ms

Loss rate: 1.93%

-- Flow 1:

Average throughput: 3.03 Mbit/s

95th percentile per-packet one-way delay: 136.838 ms

Loss rate: 1.30%

-- Flow 2:

Average throughput: 2.67 Mbit/s

95th percentile per-packet one-way delay: 137.232 ms

Loss rate: 1.95%

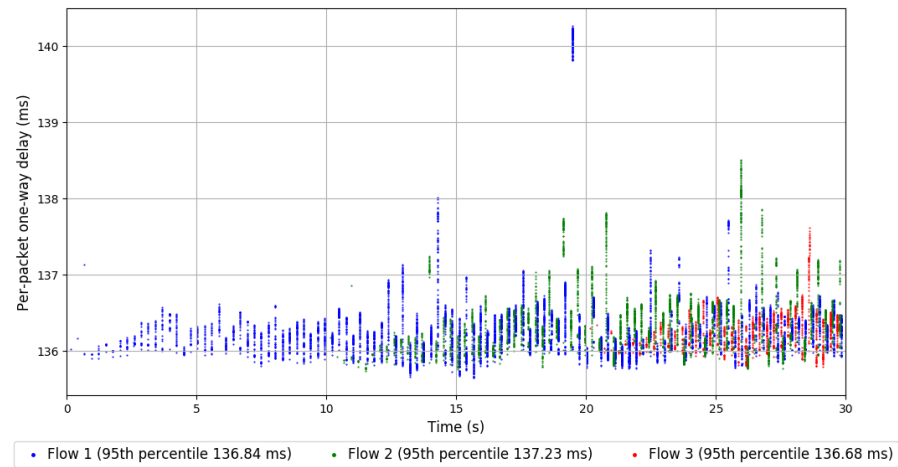
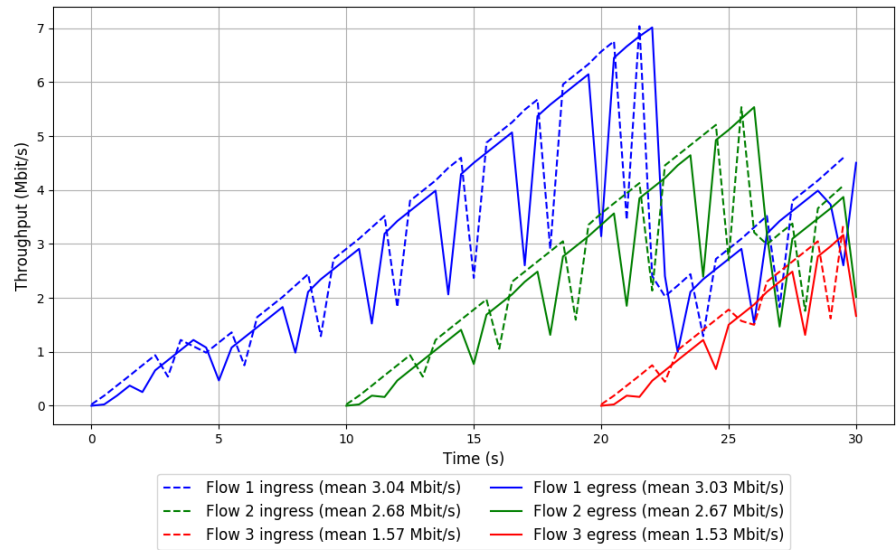
-- Flow 3:

Average throughput: 1.53 Mbit/s

95th percentile per-packet one-way delay: 136.679 ms

Loss rate: 5.56%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-01 06:30:34

End at: 2018-07-01 06:31:04

Local clock offset: 0.244 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-07-01 09:41:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.81 Mbit/s

95th percentile per-packet one-way delay: 137.123 ms

Loss rate: 2.57%

-- Flow 1:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 137.241 ms

Loss rate: 1.72%

-- Flow 2:

Average throughput: 3.17 Mbit/s

95th percentile per-packet one-way delay: 137.042 ms

Loss rate: 2.74%

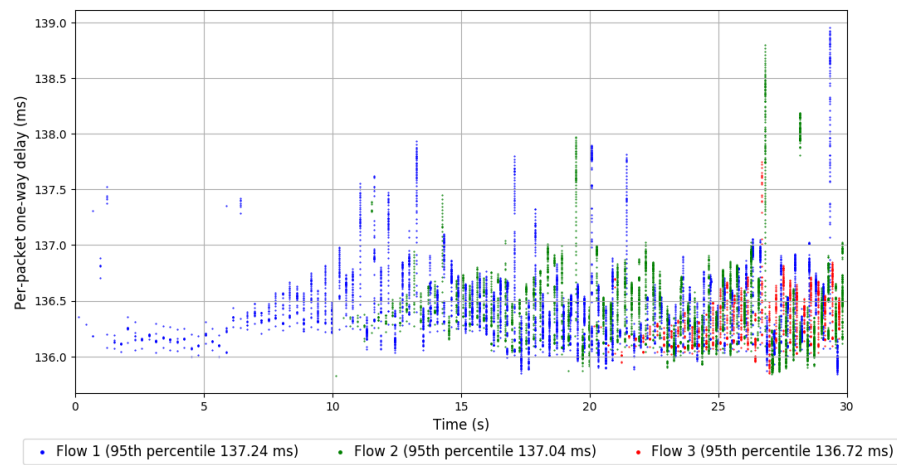
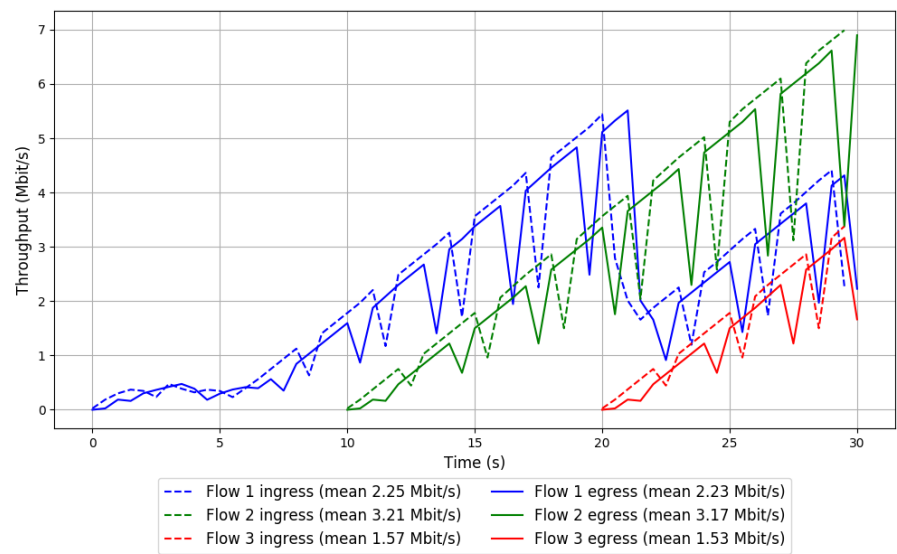
-- Flow 3:

Average throughput: 1.53 Mbit/s

95th percentile per-packet one-way delay: 136.719 ms

Loss rate: 5.56%

Run 6: Report of LEDBAT — Data Link

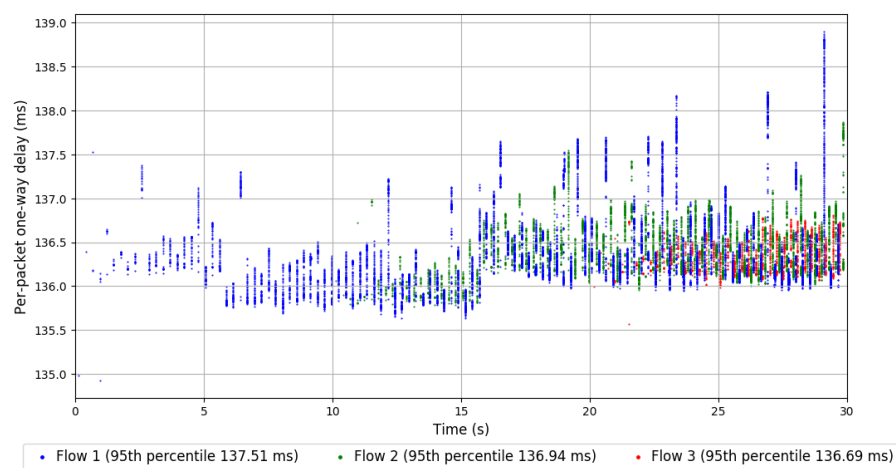
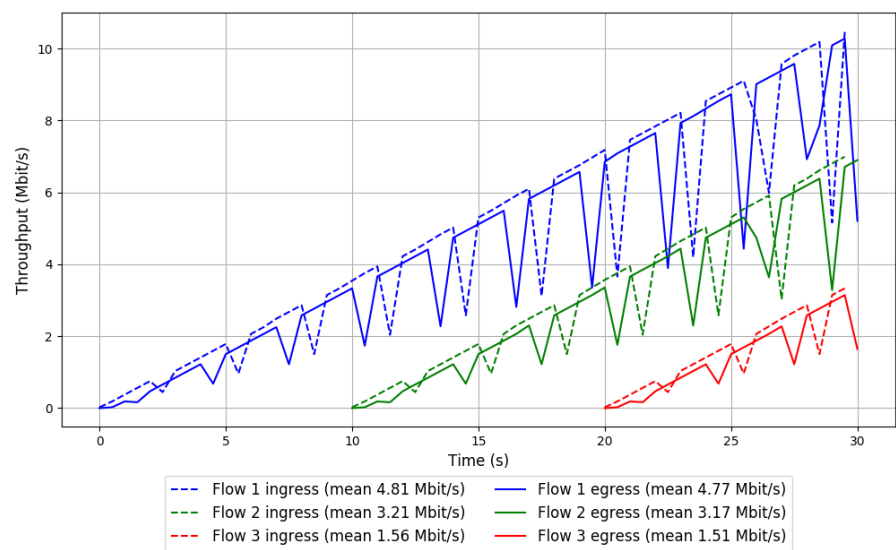


Run 7: Statistics of LEDBAT

Start at: 2018-07-01 06:56:34
End at: 2018-07-01 06:57:04
Local clock offset: -0.03 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-01 09:41:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.32 Mbit/s
95th percentile per-packet one-way delay: 137.365 ms
Loss rate: 2.35%
-- Flow 1:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 137.510 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 3.17 Mbit/s
95th percentile per-packet one-way delay: 136.942 ms
Loss rate: 2.74%
-- Flow 3:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 136.694 ms
Loss rate: 5.51%

Run 7: Report of LEDBAT — Data Link

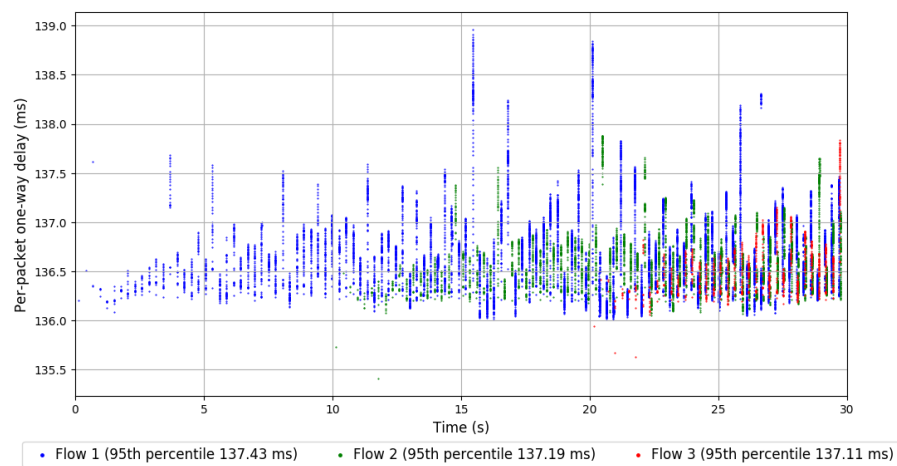
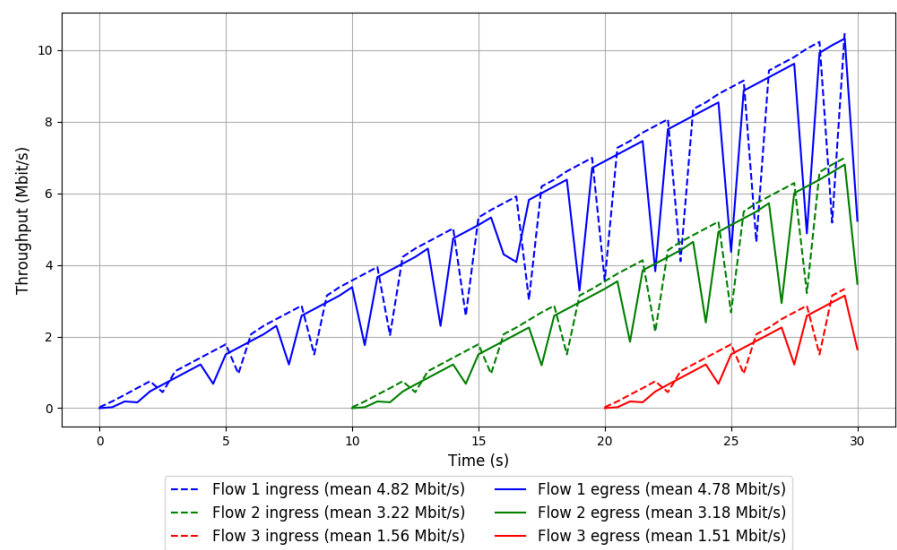


Run 8: Statistics of LEDBAT

Start at: 2018-07-01 07:22:07
End at: 2018-07-01 07:22:37
Local clock offset: -0.017 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-07-01 09:41:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.36 Mbit/s
95th percentile per-packet one-way delay: 137.380 ms
Loss rate: 2.35%
-- Flow 1:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 137.427 ms
Loss rate: 1.84%
-- Flow 2:
Average throughput: 3.18 Mbit/s
95th percentile per-packet one-way delay: 137.185 ms
Loss rate: 2.75%
-- Flow 3:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 137.108 ms
Loss rate: 5.51%

Run 8: Report of LEDBAT — Data Link

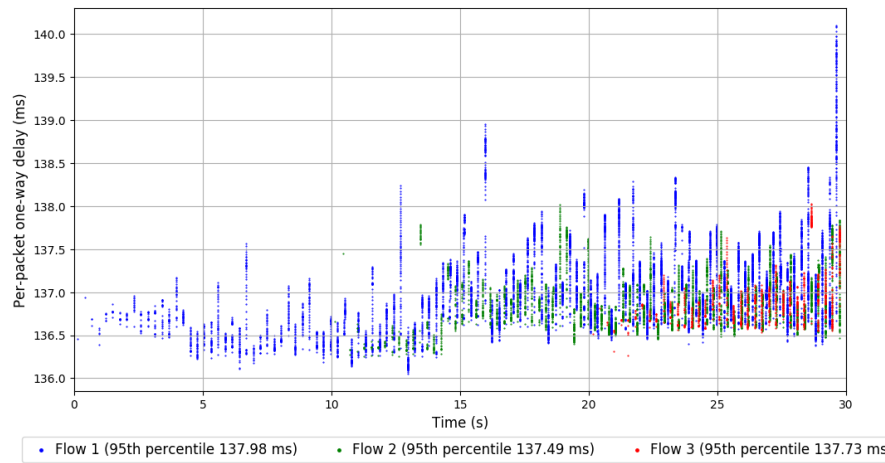
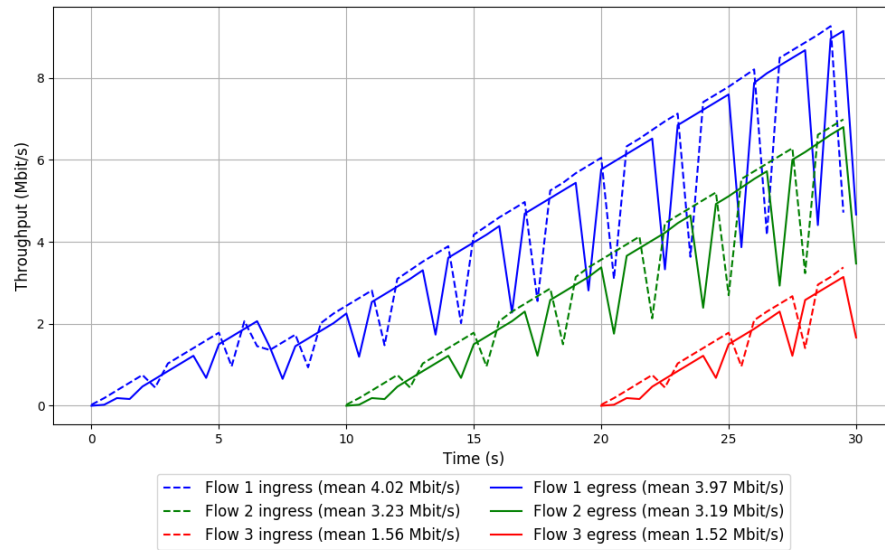


Run 9: Statistics of LEDBAT

Start at: 2018-07-01 07:48:06
End at: 2018-07-01 07:48:36
Local clock offset: -0.14 ms
Remote clock offset: -0.275 ms

Below is generated by plot.py at 2018-07-01 09:41:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.56 Mbit/s
95th percentile per-packet one-way delay: 137.777 ms
Loss rate: 2.50%
-- Flow 1:
Average throughput: 3.97 Mbit/s
95th percentile per-packet one-way delay: 137.980 ms
Loss rate: 1.98%
-- Flow 2:
Average throughput: 3.19 Mbit/s
95th percentile per-packet one-way delay: 137.486 ms
Loss rate: 2.74%
-- Flow 3:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 137.732 ms
Loss rate: 5.56%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-01 08:13:59

End at: 2018-07-01 08:14:29

Local clock offset: -0.085 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-07-01 09:41:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 6.20 Mbit/s

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

Loss rate: 2.39%

-- Flow 1:

Average throughput: 3.61 Mbit/s

95th percentile per-packet one-way delay: 136.937 ms

Loss rate: 1.74%

-- Flow 2:

Average throughput: 3.18 Mbit/s

95th percentile per-packet one-way delay: 137.148 ms

Loss rate: 2.74%

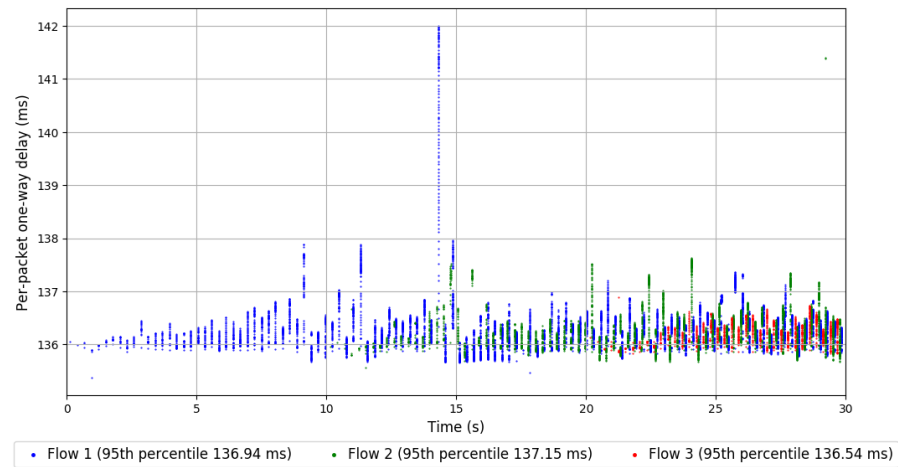
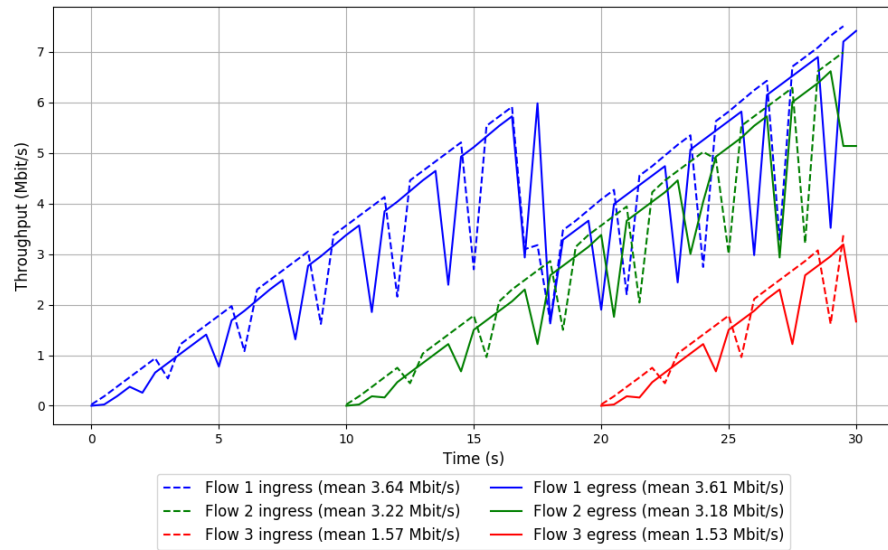
-- Flow 3:

Average throughput: 1.53 Mbit/s

95th percentile per-packet one-way delay: 136.537 ms

Loss rate: 5.55%

Run 10: Report of LEDBAT — Data Link

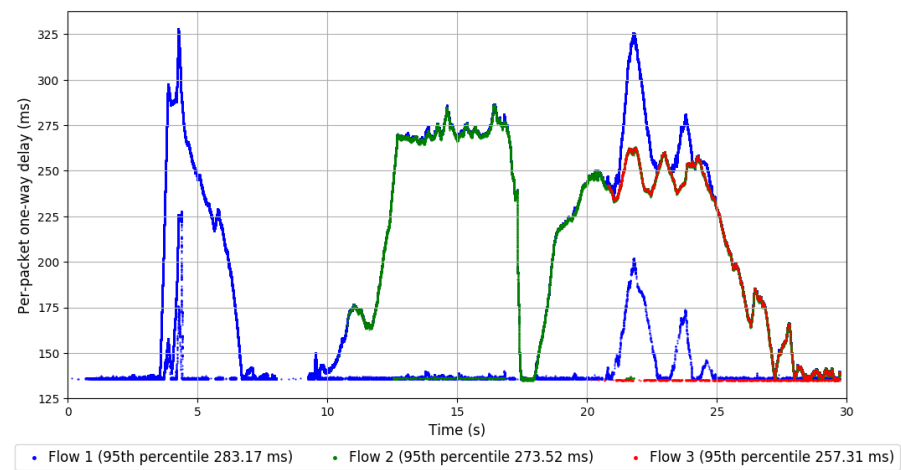
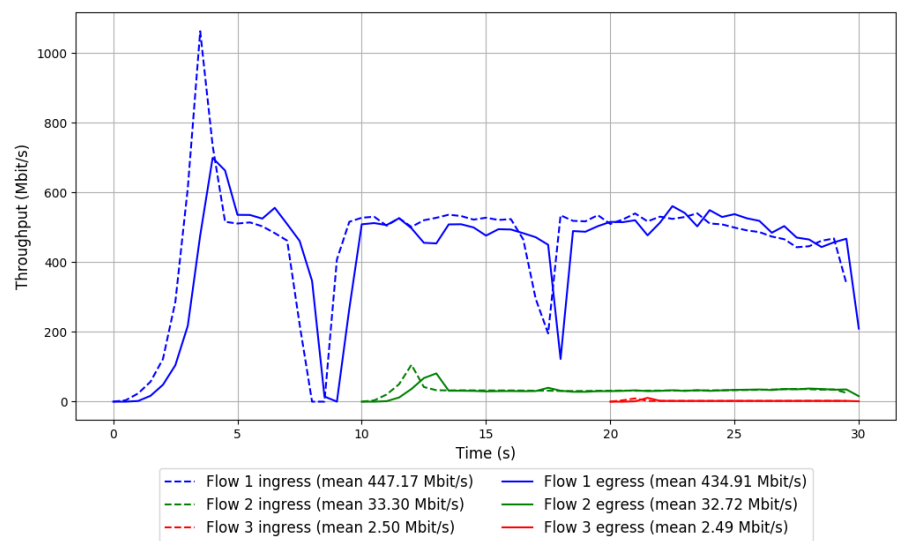


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-01 04:13:27
End at: 2018-07-01 04:13:57
Local clock offset: 0.211 ms
Remote clock offset: 0.074 ms

# Below is generated by plot.py at 2018-07-01 09:41:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 457.36 Mbit/s
95th percentile per-packet one-way delay: 281.873 ms
Loss rate: 3.60%
-- Flow 1:
Average throughput: 434.91 Mbit/s
95th percentile per-packet one-way delay: 283.171 ms
Loss rate: 3.63%
-- Flow 2:
Average throughput: 32.72 Mbit/s
95th percentile per-packet one-way delay: 273.521 ms
Loss rate: 3.11%
-- Flow 3:
Average throughput: 2.49 Mbit/s
95th percentile per-packet one-way delay: 257.305 ms
Loss rate: 2.82%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-01 04:39:10

End at: 2018-07-01 04:39:40

Local clock offset: 0.023 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-07-01 09:41:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 397.60 Mbit/s

95th percentile per-packet one-way delay: 256.715 ms

Loss rate: 3.46%

-- Flow 1:

Average throughput: 204.02 Mbit/s

95th percentile per-packet one-way delay: 266.519 ms

Loss rate: 3.84%

-- Flow 2:

Average throughput: 276.13 Mbit/s

95th percentile per-packet one-way delay: 223.136 ms

Loss rate: 3.08%

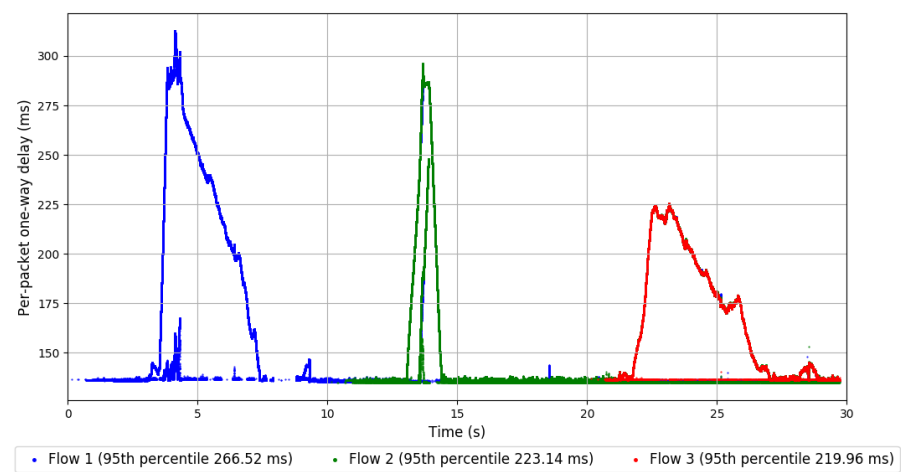
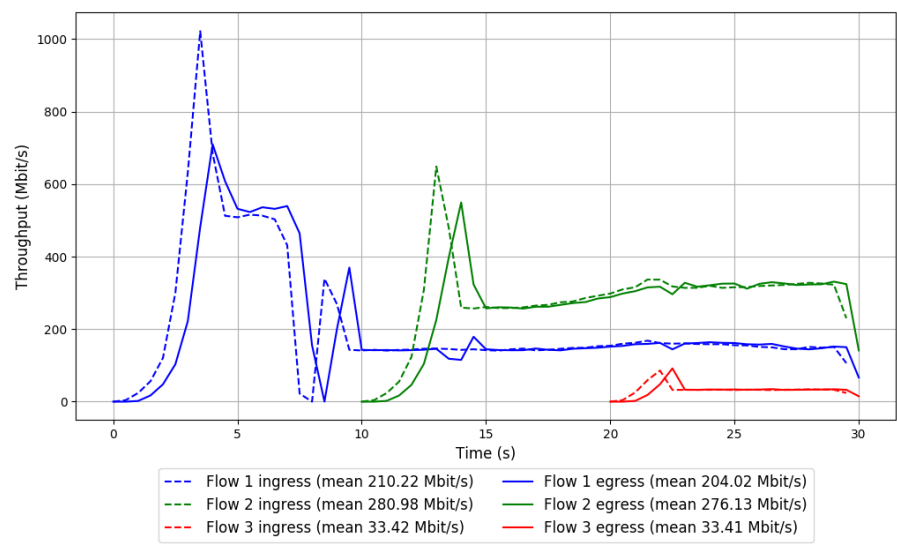
-- Flow 3:

Average throughput: 33.41 Mbit/s

95th percentile per-packet one-way delay: 219.955 ms

Loss rate: 2.78%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-01 05:04:52

End at: 2018-07-01 05:05:22

Local clock offset: -0.291 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-07-01 09:41:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 501.70 Mbit/s

95th percentile per-packet one-way delay: 269.703 ms

Loss rate: 3.51%

-- Flow 1:

Average throughput: 478.82 Mbit/s

95th percentile per-packet one-way delay: 269.756 ms

Loss rate: 3.52%

-- Flow 2:

Average throughput: 32.53 Mbit/s

95th percentile per-packet one-way delay: 268.843 ms

Loss rate: 3.14%

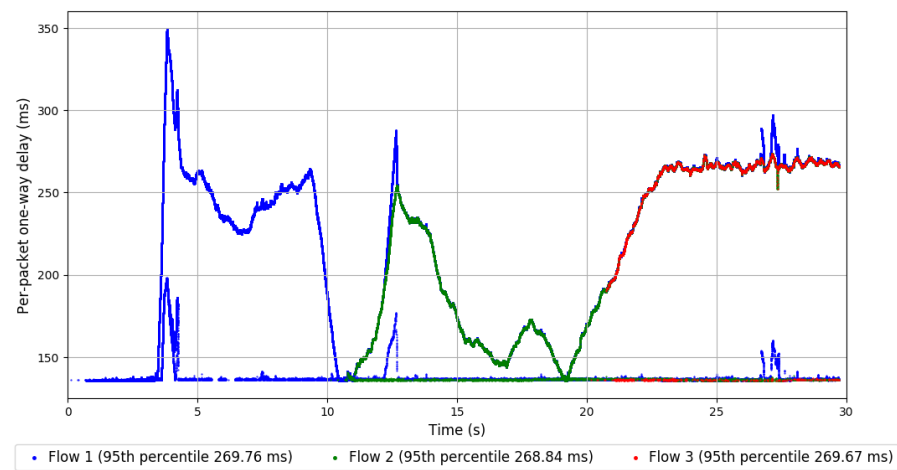
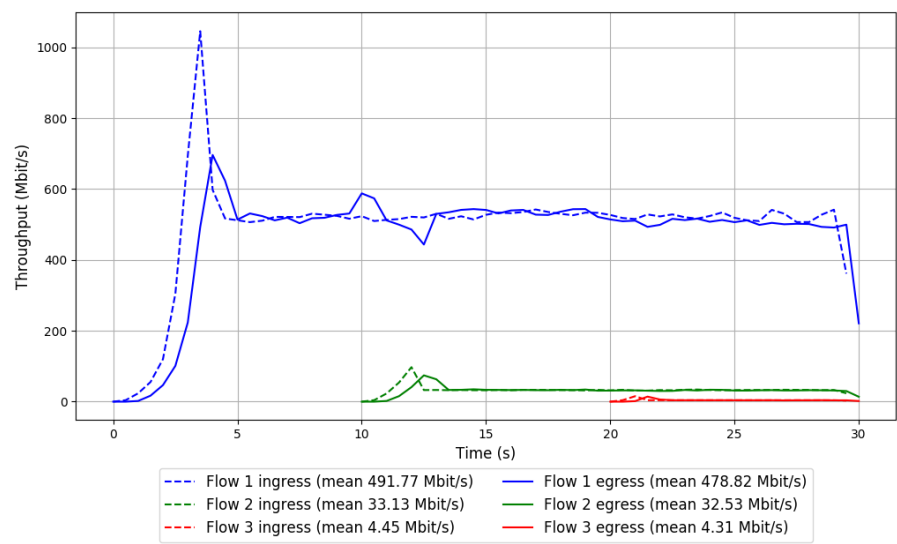
-- Flow 3:

Average throughput: 4.31 Mbit/s

95th percentile per-packet one-way delay: 269.672 ms

Loss rate: 5.85%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-01 05:30:34

End at: 2018-07-01 05:31:04

Local clock offset: 0.252 ms

Remote clock offset: 0.121 ms

Below is generated by plot.py at 2018-07-01 09:41:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 477.26 Mbit/s

95th percentile per-packet one-way delay: 269.953 ms

Loss rate: 2.81%

-- Flow 1:

Average throughput: 435.77 Mbit/s

95th percentile per-packet one-way delay: 270.029 ms

Loss rate: 2.78%

-- Flow 2:

Average throughput: 31.32 Mbit/s

95th percentile per-packet one-way delay: 269.087 ms

Loss rate: 1.89%

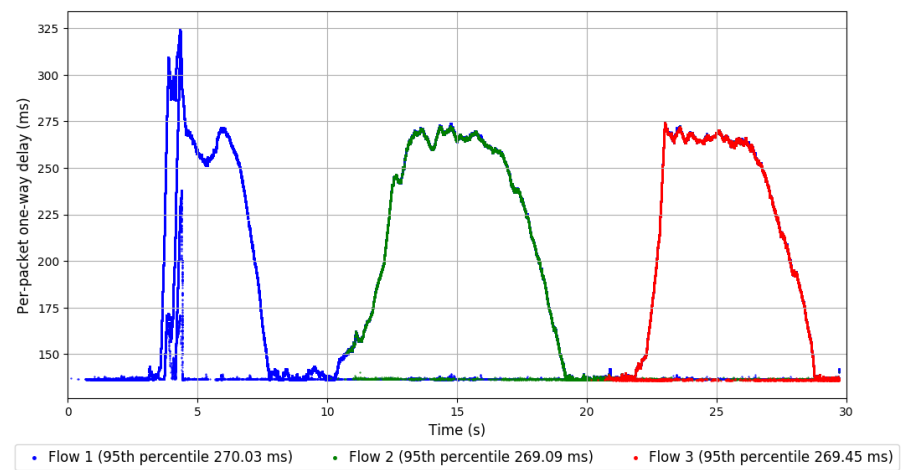
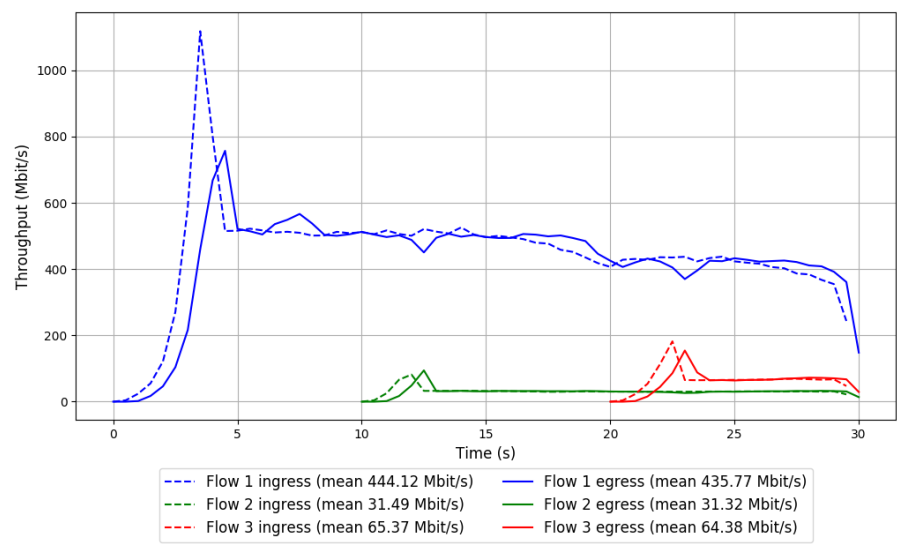
-- Flow 3:

Average throughput: 64.38 Mbit/s

95th percentile per-packet one-way delay: 269.449 ms

Loss rate: 4.24%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-01 05:56:12

End at: 2018-07-01 05:56:42

Local clock offset: 0.117 ms

Remote clock offset: 0.081 ms

Below is generated by plot.py at 2018-07-01 09:41:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 397.87 Mbit/s

95th percentile per-packet one-way delay: 272.000 ms

Loss rate: 3.11%

-- Flow 1:

Average throughput: 255.69 Mbit/s

95th percentile per-packet one-way delay: 271.540 ms

Loss rate: 2.49%

-- Flow 2:

Average throughput: 213.56 Mbit/s

95th percentile per-packet one-way delay: 272.492 ms

Loss rate: 4.22%

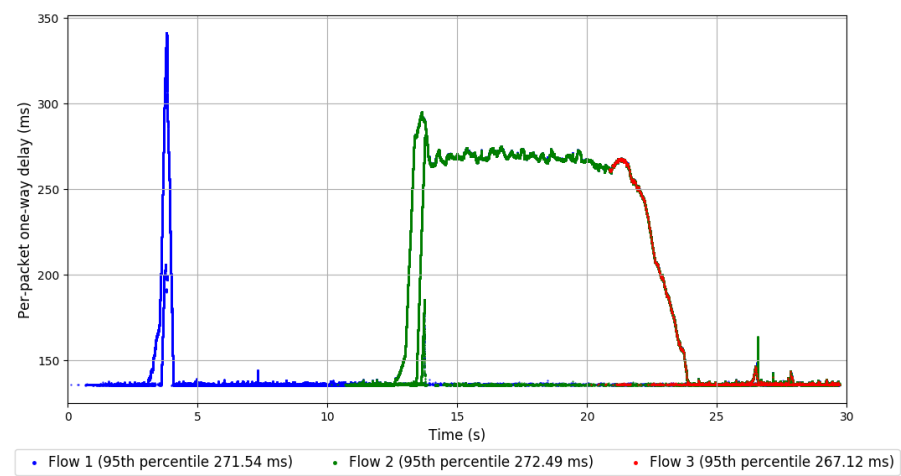
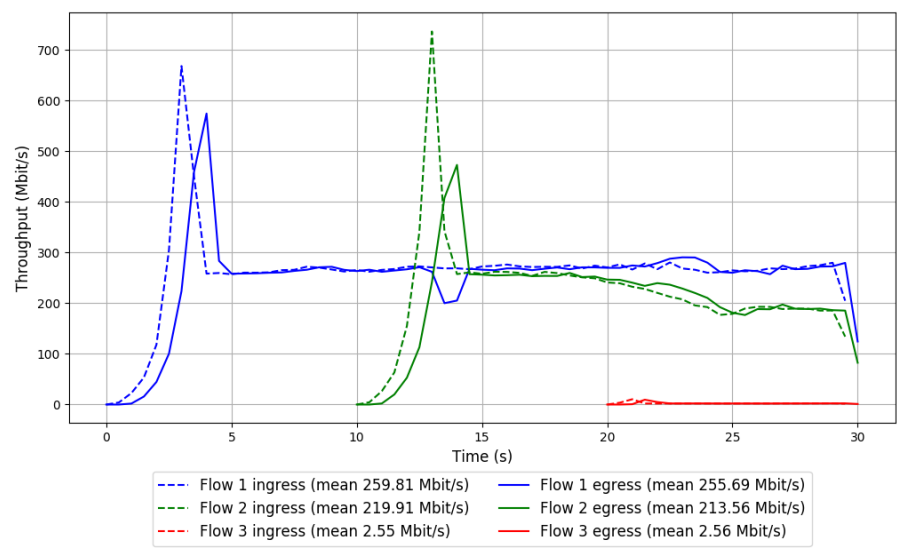
-- Flow 3:

Average throughput: 2.56 Mbit/s

95th percentile per-packet one-way delay: 267.120 ms

Loss rate: 2.67%

Run 5: Report of PCC-Allegro — Data Link

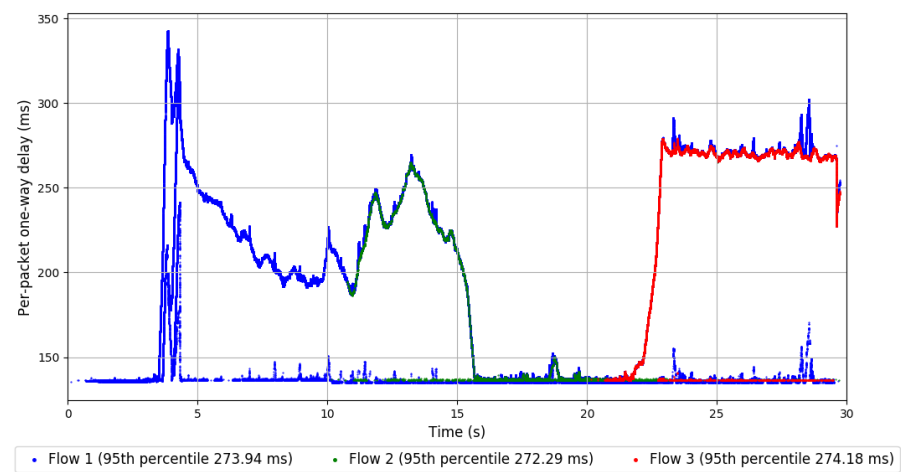
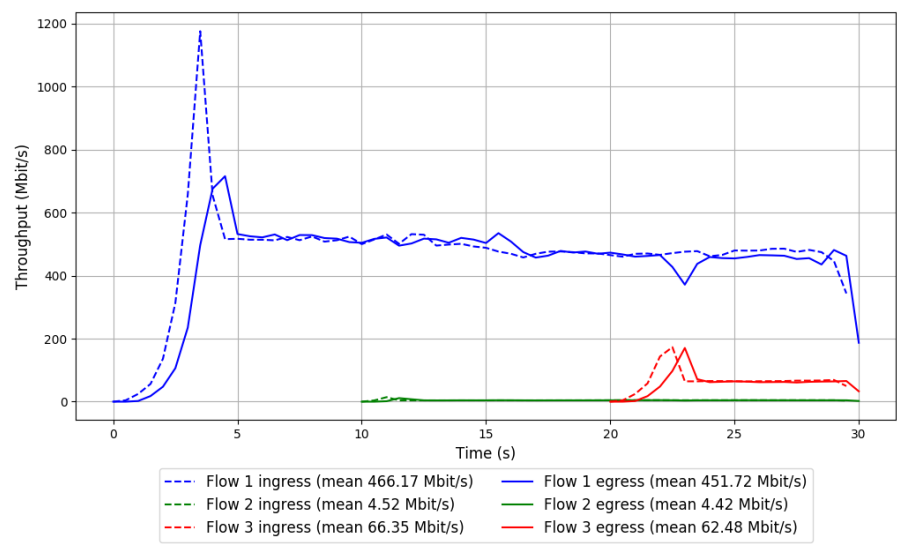


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-01 06:22:00
End at: 2018-07-01 06:22:30
Local clock offset: 0.177 ms
Remote clock offset: -0.296 ms

Below is generated by plot.py at 2018-07-01 09:41:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 474.86 Mbit/s
95th percentile per-packet one-way delay: 273.951 ms
Loss rate: 4.17%
-- Flow 1:
Average throughput: 451.72 Mbit/s
95th percentile per-packet one-way delay: 273.945 ms
Loss rate: 3.98%
-- Flow 2:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 272.294 ms
Loss rate: 3.43%
-- Flow 3:
Average throughput: 62.48 Mbit/s
95th percentile per-packet one-way delay: 274.175 ms
Loss rate: 8.44%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-01 06:48:02

End at: 2018-07-01 06:48:32

Local clock offset: 0.231 ms

Remote clock offset: 0.329 ms

Below is generated by plot.py at 2018-07-01 09:42:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 483.63 Mbit/s

95th percentile per-packet one-way delay: 269.569 ms

Loss rate: 3.32%

-- Flow 1:

Average throughput: 439.44 Mbit/s

95th percentile per-packet one-way delay: 269.659 ms

Loss rate: 3.31%

-- Flow 2:

Average throughput: 65.59 Mbit/s

95th percentile per-packet one-way delay: 269.107 ms

Loss rate: 3.42%

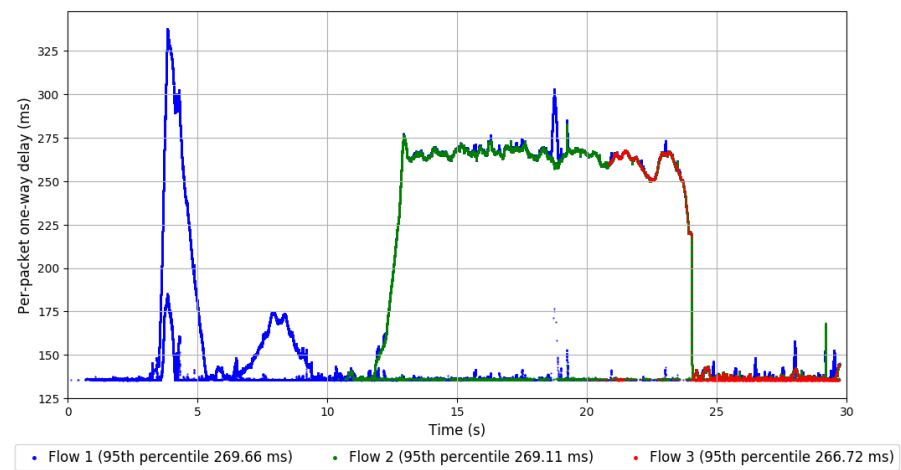
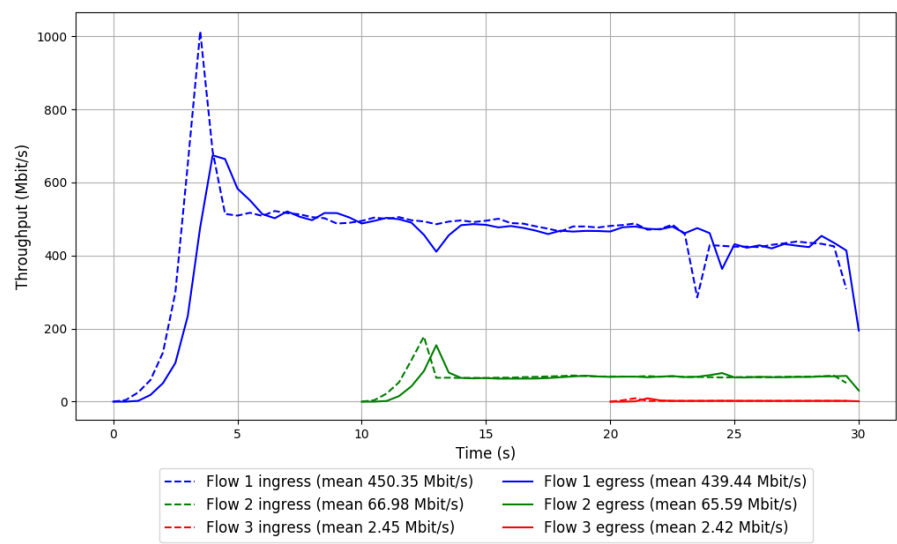
-- Flow 3:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 266.721 ms

Loss rate: 3.88%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-01 07:13:33

End at: 2018-07-01 07:14:03

Local clock offset: -0.04 ms

Remote clock offset: 0.357 ms

Below is generated by plot.py at 2018-07-01 09:43:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 492.62 Mbit/s

95th percentile per-packet one-way delay: 274.857 ms

Loss rate: 3.44%

-- Flow 1:

Average throughput: 460.67 Mbit/s

95th percentile per-packet one-way delay: 278.082 ms

Loss rate: 3.52%

-- Flow 2:

Average throughput: 31.93 Mbit/s

95th percentile per-packet one-way delay: 256.784 ms

Loss rate: 1.53%

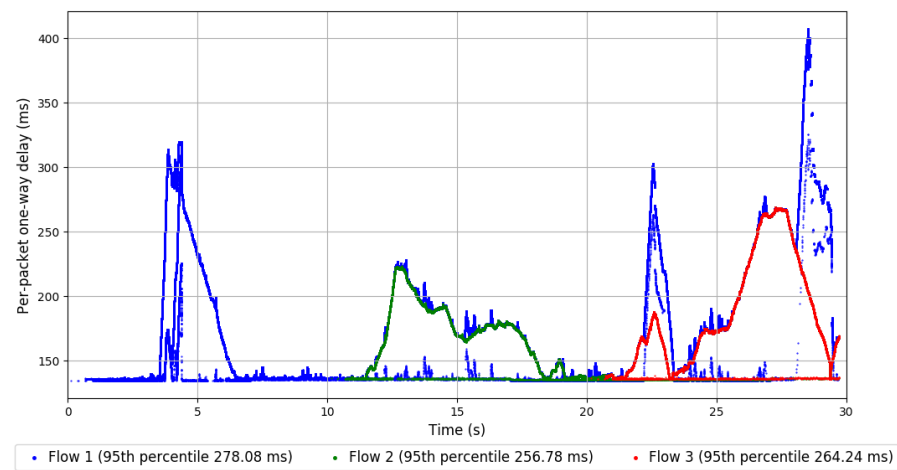
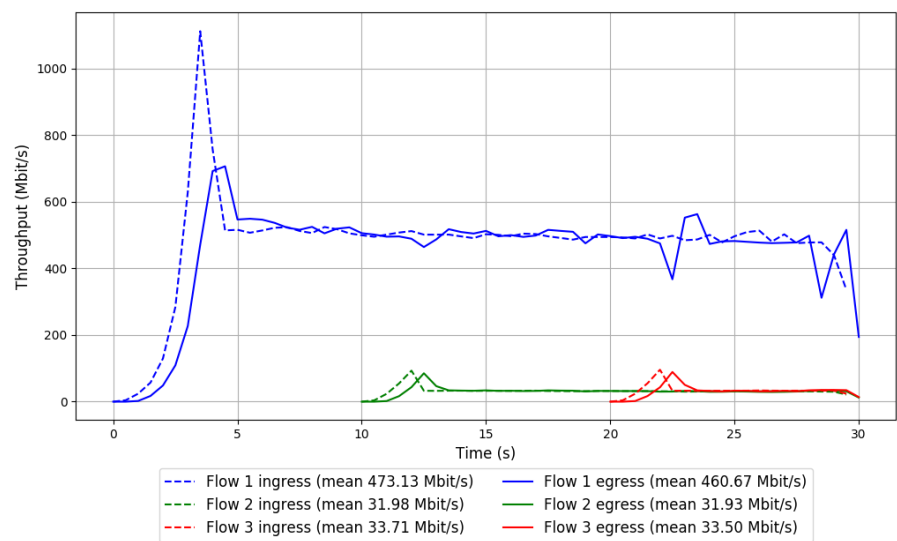
-- Flow 3:

Average throughput: 33.50 Mbit/s

95th percentile per-packet one-way delay: 264.237 ms

Loss rate: 3.38%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-01 07:39:32

End at: 2018-07-01 07:40:02

Local clock offset: 0.213 ms

Remote clock offset: 0.405 ms

Below is generated by plot.py at 2018-07-01 09:44:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 504.85 Mbit/s

95th percentile per-packet one-way delay: 268.148 ms

Loss rate: 3.43%

-- Flow 1:

Average throughput: 463.25 Mbit/s

95th percentile per-packet one-way delay: 269.262 ms

Loss rate: 3.32%

-- Flow 2:

Average throughput: 32.90 Mbit/s

95th percentile per-packet one-way delay: 261.013 ms

Loss rate: 2.75%

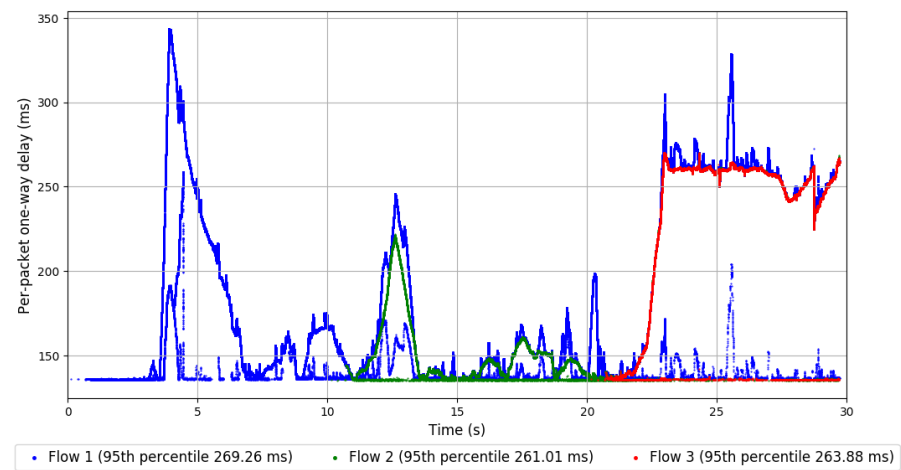
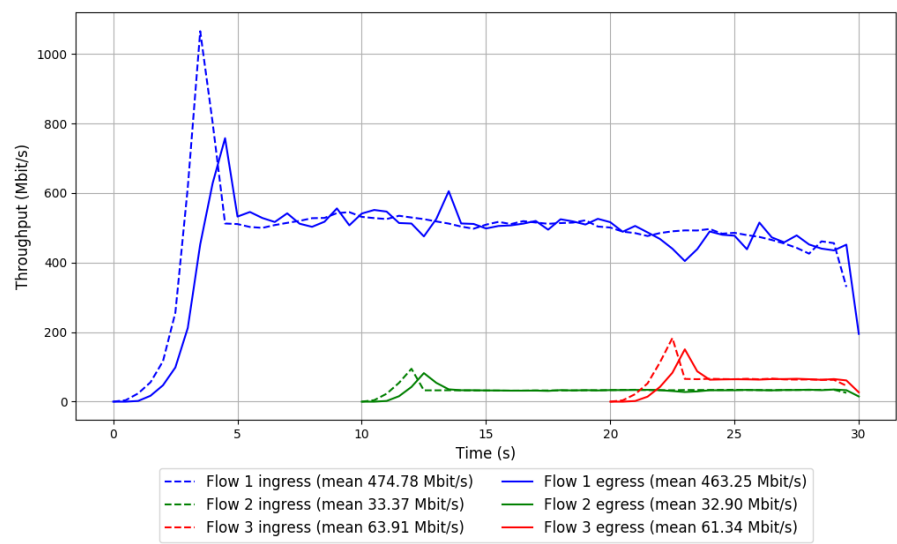
-- Flow 3:

Average throughput: 61.34 Mbit/s

95th percentile per-packet one-way delay: 263.885 ms

Loss rate: 6.67%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-01 08:05:20

End at: 2018-07-01 08:05:50

Local clock offset: -0.179 ms

Remote clock offset: 0.478 ms

Below is generated by plot.py at 2018-07-01 09:44:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 468.56 Mbit/s

95th percentile per-packet one-way delay: 271.600 ms

Loss rate: 3.90%

-- Flow 1:

Average throughput: 405.75 Mbit/s

95th percentile per-packet one-way delay: 271.698 ms

Loss rate: 3.78%

-- Flow 2:

Average throughput: 64.41 Mbit/s

95th percentile per-packet one-way delay: 270.271 ms

Loss rate: 3.03%

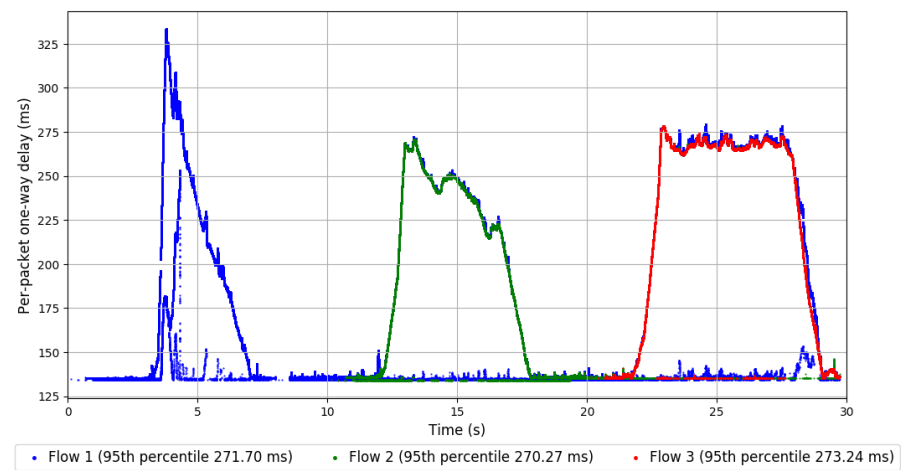
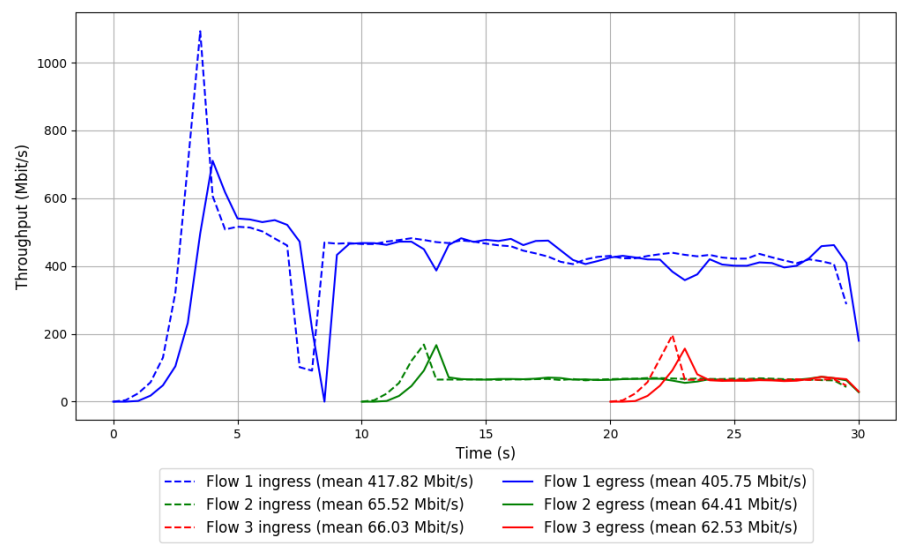
-- Flow 3:

Average throughput: 62.53 Mbit/s

95th percentile per-packet one-way delay: 273.243 ms

Loss rate: 7.94%

Run 10: Report of PCC-Allegro — Data Link

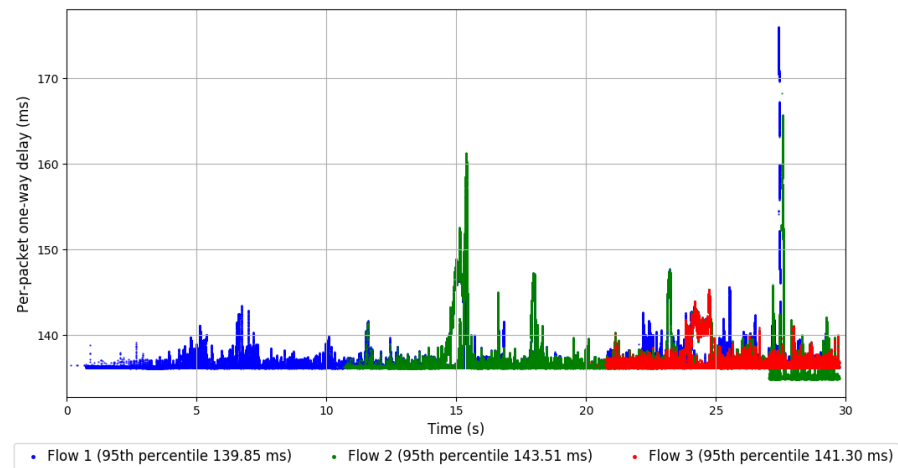
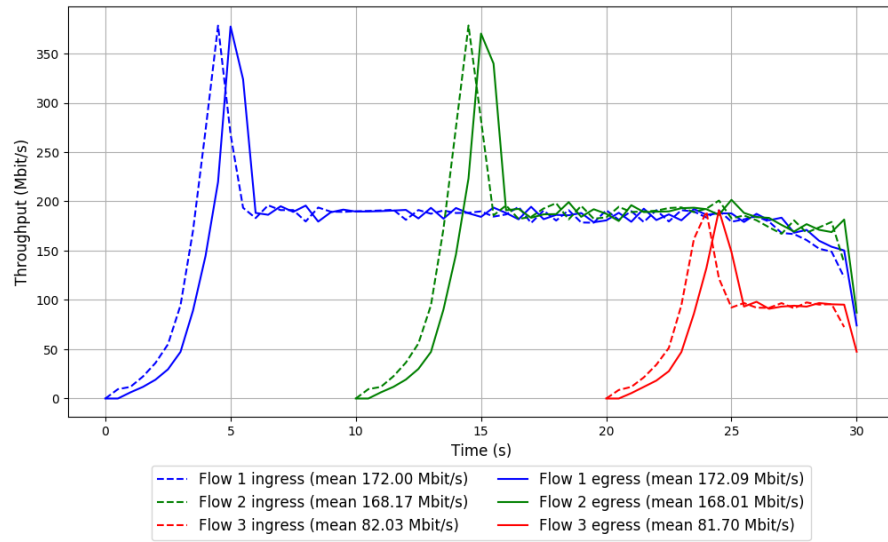


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-01 04:24:53
End at: 2018-07-01 04:25:23
Local clock offset: -0.006 ms
Remote clock offset: -0.297 ms

# Below is generated by plot.py at 2018-07-01 09:46:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 309.75 Mbit/s
95th percentile per-packet one-way delay: 141.107 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 172.09 Mbit/s
95th percentile per-packet one-way delay: 139.851 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 168.01 Mbit/s
95th percentile per-packet one-way delay: 143.510 ms
Loss rate: 1.47%
-- Flow 3:
Average throughput: 81.70 Mbit/s
95th percentile per-packet one-way delay: 141.296 ms
Loss rate: 3.17%
```


Run 1: Report of PCC-Expr — Data Link

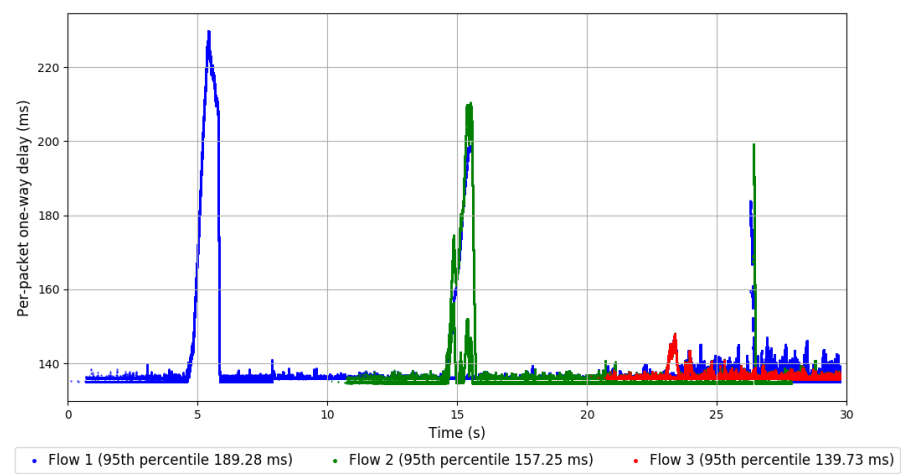
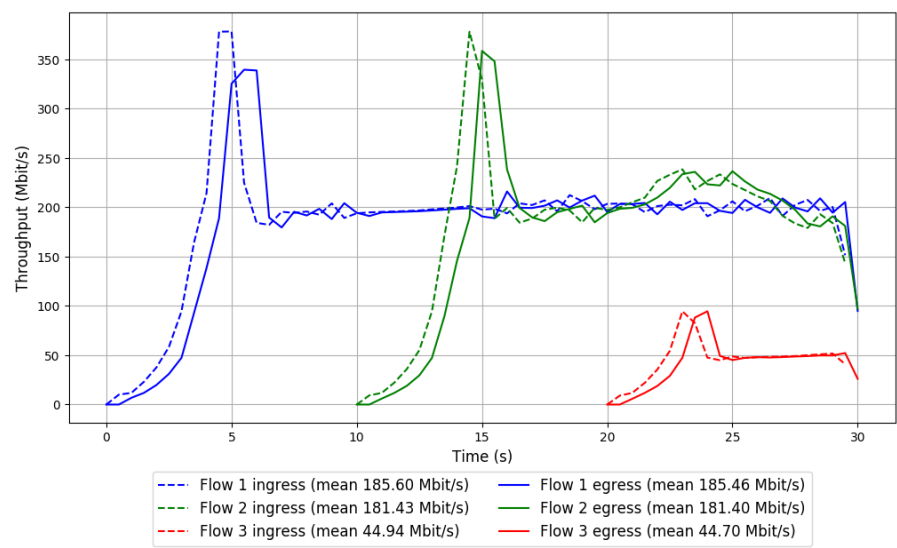


```
Run 2: Statistics of PCC-Expr

Start at: 2018-07-01 04:50:32
End at: 2018-07-01 04:51:02
Local clock offset: -0.169 ms
Remote clock offset: 0.046 ms

# Below is generated by plot.py at 2018-07-01 09:48:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 320.03 Mbit/s
95th percentile per-packet one-way delay: 171.331 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 185.46 Mbit/s
95th percentile per-packet one-way delay: 189.276 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 181.40 Mbit/s
95th percentile per-packet one-way delay: 157.249 ms
Loss rate: 1.38%
-- Flow 3:
Average throughput: 44.70 Mbit/s
95th percentile per-packet one-way delay: 139.729 ms
Loss rate: 3.28%
```

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-01 05:16:25

End at: 2018-07-01 05:16:55

Local clock offset: 0.077 ms

Remote clock offset: 0.097 ms

Below is generated by plot.py at 2018-07-01 09:55:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 379.12 Mbit/s

95th percentile per-packet one-way delay: 273.810 ms

Loss rate: 4.19%

-- Flow 1:

Average throughput: 308.82 Mbit/s

95th percentile per-packet one-way delay: 278.925 ms

Loss rate: 4.73%

-- Flow 2:

Average throughput: 84.98 Mbit/s

95th percentile per-packet one-way delay: 138.295 ms

Loss rate: 1.31%

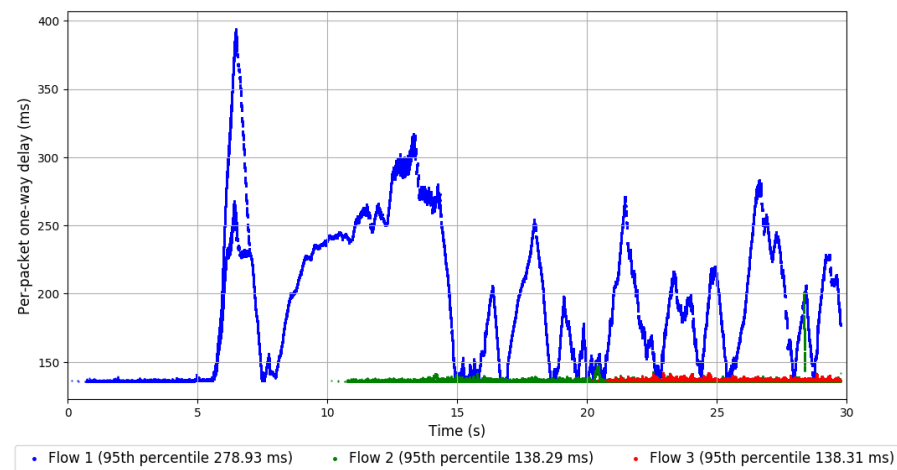
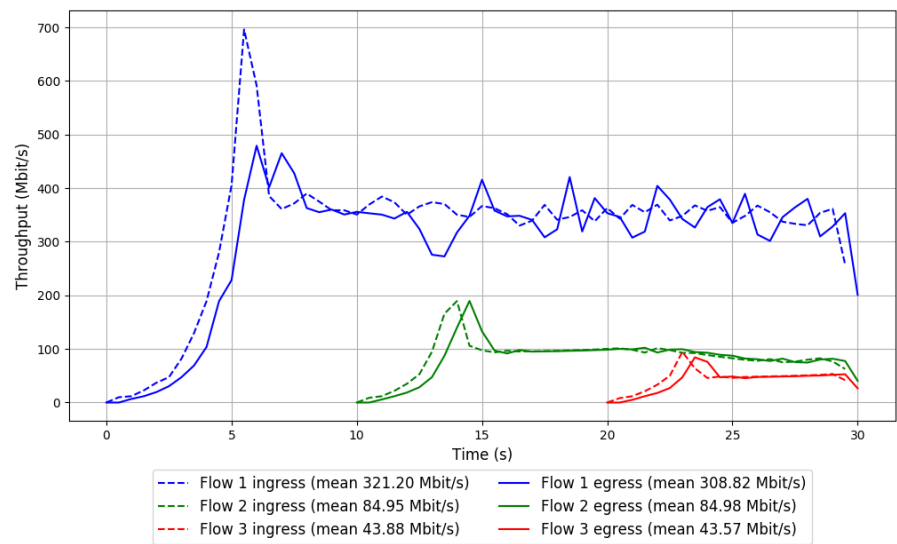
-- Flow 3:

Average throughput: 43.57 Mbit/s

95th percentile per-packet one-way delay: 138.310 ms

Loss rate: 3.45%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-01 05:42:08

End at: 2018-07-01 05:42:38

Local clock offset: 0.191 ms

Remote clock offset: 0.079 ms

Below is generated by plot.py at 2018-07-01 09:55:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 368.18 Mbit/s

95th percentile per-packet one-way delay: 261.233 ms

Loss rate: 3.16%

-- Flow 1:

Average throughput: 280.63 Mbit/s

95th percentile per-packet one-way delay: 263.834 ms

Loss rate: 3.53%

-- Flow 2:

Average throughput: 91.69 Mbit/s

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

Loss rate: 1.36%

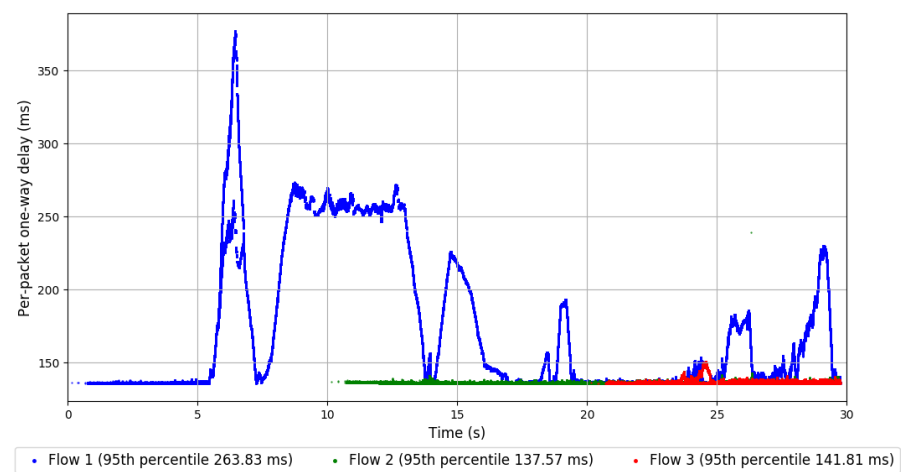
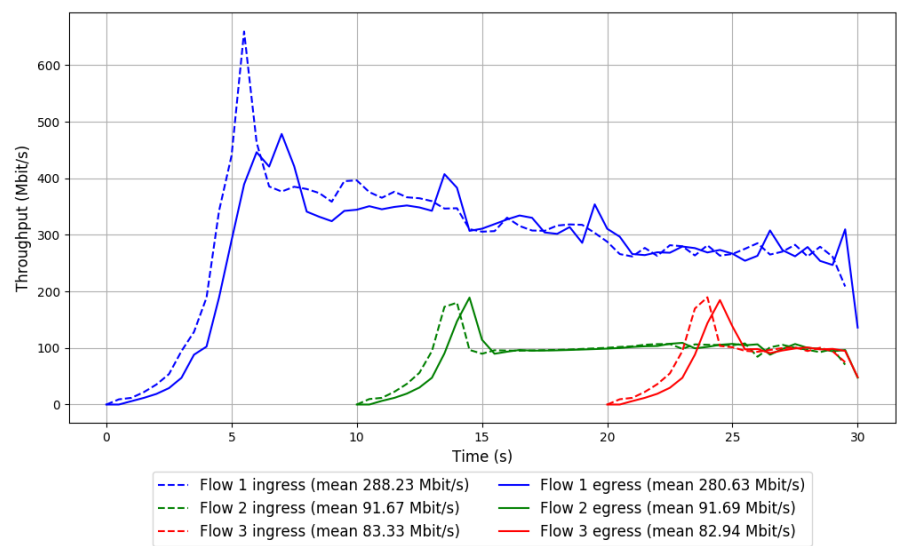
-- Flow 3:

Average throughput: 82.94 Mbit/s

95th percentile per-packet one-way delay: 141.815 ms

Loss rate: 3.23%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-01 06:07:37

End at: 2018-07-01 06:08:07

Local clock offset: 0.199 ms

Remote clock offset: 0.102 ms

Below is generated by plot.py at 2018-07-01 09:55:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 323.66 Mbit/s

95th percentile per-packet one-way delay: 337.342 ms

Loss rate: 3.36%

-- Flow 1:

Average throughput: 317.43 Mbit/s

95th percentile per-packet one-way delay: 338.481 ms

Loss rate: 3.39%

-- Flow 2:

Average throughput: 6.39 Mbit/s

95th percentile per-packet one-way delay: 208.756 ms

Loss rate: 1.61%

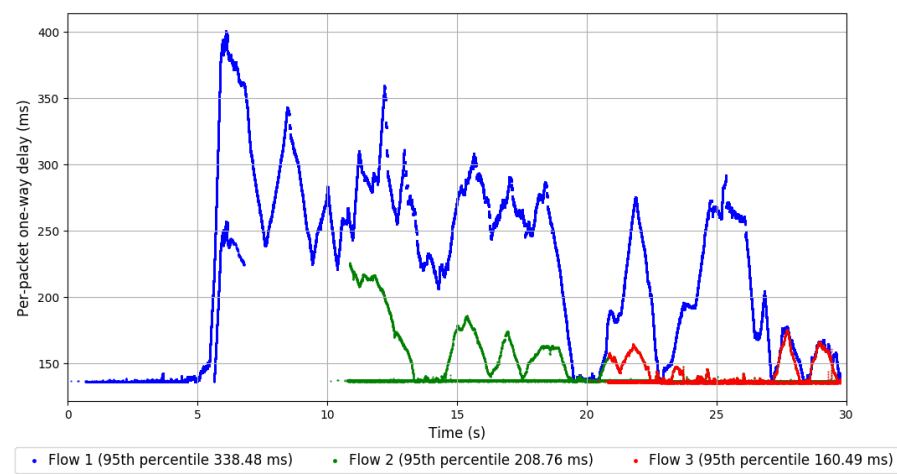
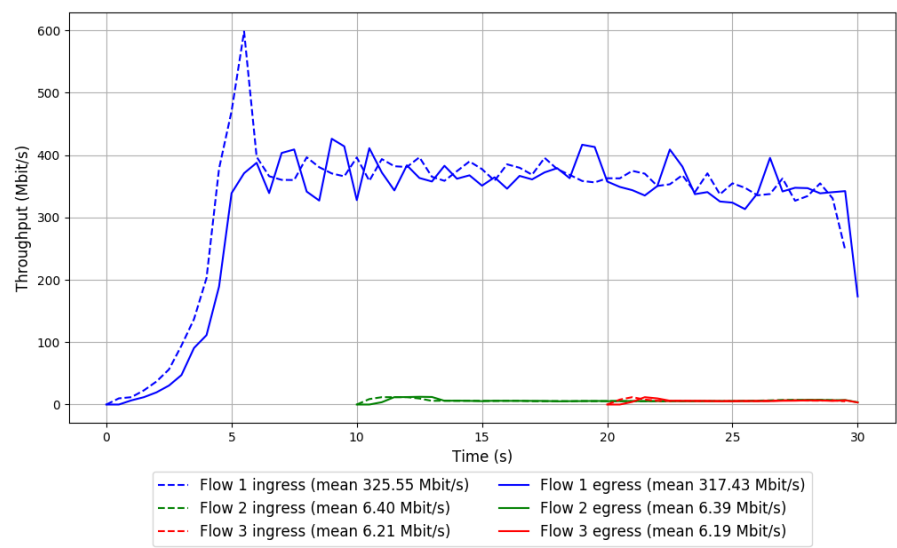
-- Flow 3:

Average throughput: 6.19 Mbit/s

95th percentile per-packet one-way delay: 160.491 ms

Loss rate: 3.09%

Run 5: Report of PCC-Expr — Data Link

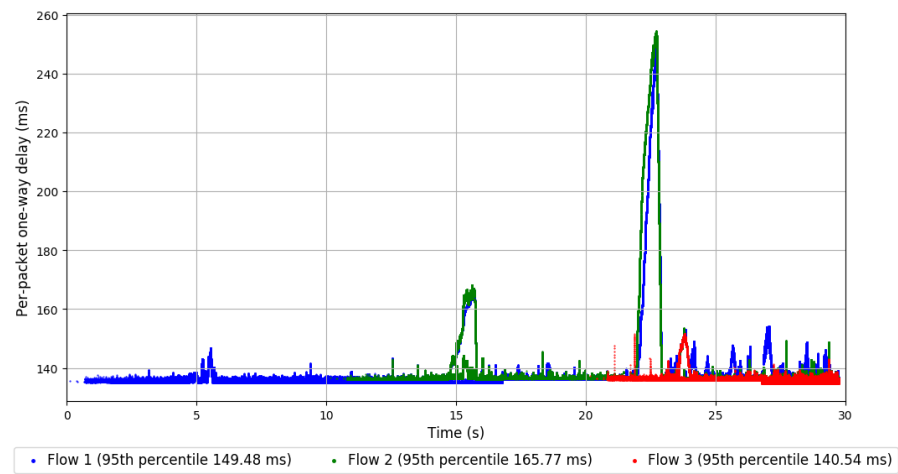
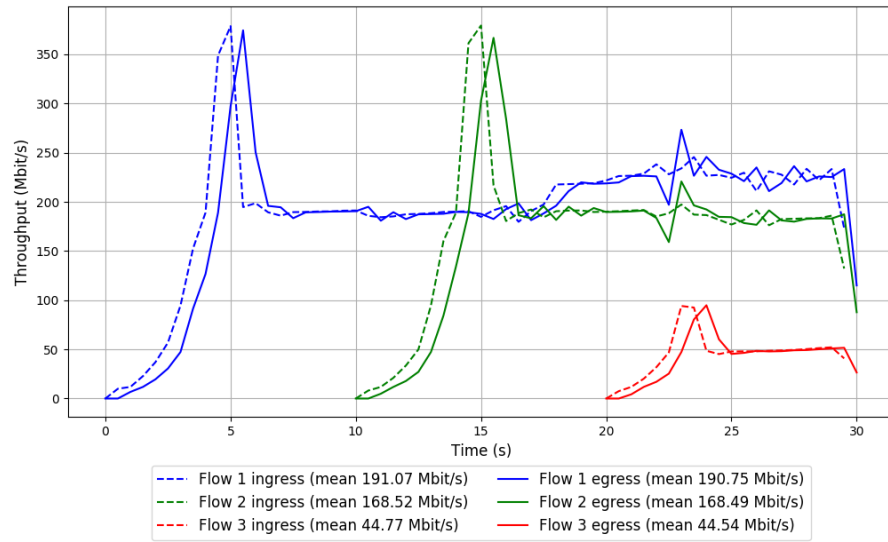


Run 6: Statistics of PCC-Expr

Start at: 2018-07-01 06:33:33
End at: 2018-07-01 06:34:03
Local clock offset: 0.125 ms
Remote clock offset: -0.371 ms

Below is generated by plot.py at 2018-07-01 09:55:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 316.72 Mbit/s
95th percentile per-packet one-way delay: 157.115 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 190.75 Mbit/s
95th percentile per-packet one-way delay: 149.481 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 168.49 Mbit/s
95th percentile per-packet one-way delay: 165.774 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 44.54 Mbit/s
95th percentile per-packet one-way delay: 140.536 ms
Loss rate: 3.27%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-01 06:59:27

End at: 2018-07-01 06:59:57

Local clock offset: 0.393 ms

Remote clock offset: 0.358 ms

Below is generated by plot.py at 2018-07-01 09:56:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 309.03 Mbit/s

95th percentile per-packet one-way delay: 211.864 ms

Loss rate: 1.46%

-- Flow 1:

Average throughput: 173.27 Mbit/s

95th percentile per-packet one-way delay: 193.122 ms

Loss rate: 1.03%

-- Flow 2:

Average throughput: 165.31 Mbit/s

95th percentile per-packet one-way delay: 197.291 ms

Loss rate: 1.53%

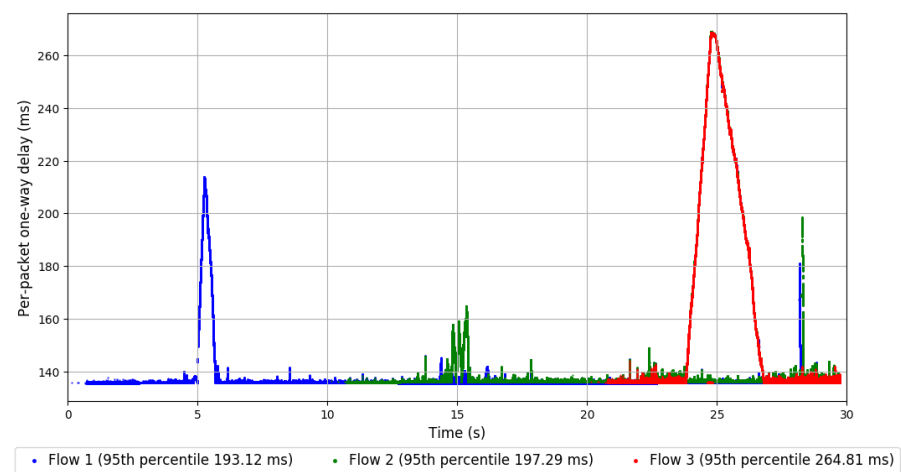
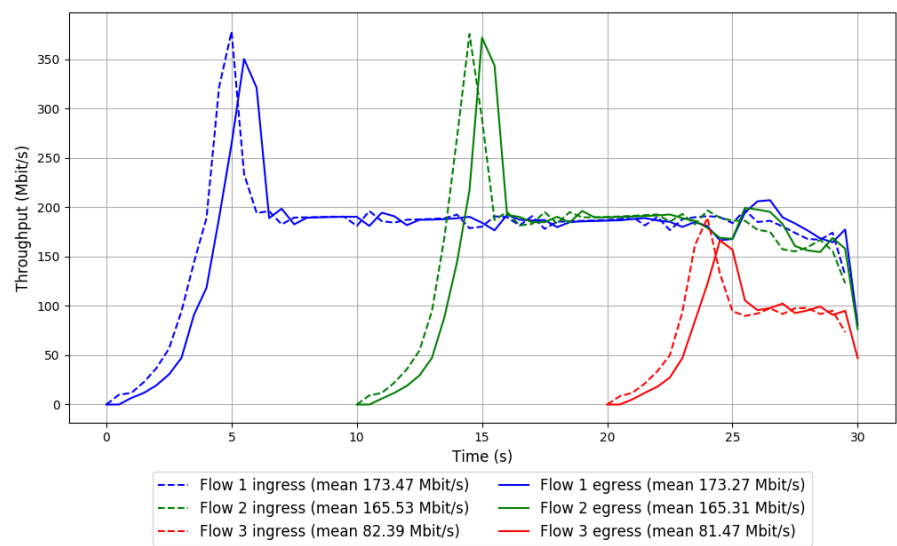
-- Flow 3:

Average throughput: 81.47 Mbit/s

95th percentile per-packet one-way delay: 264.808 ms

Loss rate: 3.86%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-01 07:25:04

End at: 2018-07-01 07:25:34

Local clock offset: 0.202 ms

Remote clock offset: 0.297 ms

Below is generated by plot.py at 2018-07-01 09:57:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 314.78 Mbit/s

95th percentile per-packet one-way delay: 374.289 ms

Loss rate: 7.28%

-- Flow 1:

Average throughput: 289.84 Mbit/s

95th percentile per-packet one-way delay: 377.180 ms

Loss rate: 7.67%

-- Flow 2:

Average throughput: 26.04 Mbit/s

95th percentile per-packet one-way delay: 204.280 ms

Loss rate: 2.36%

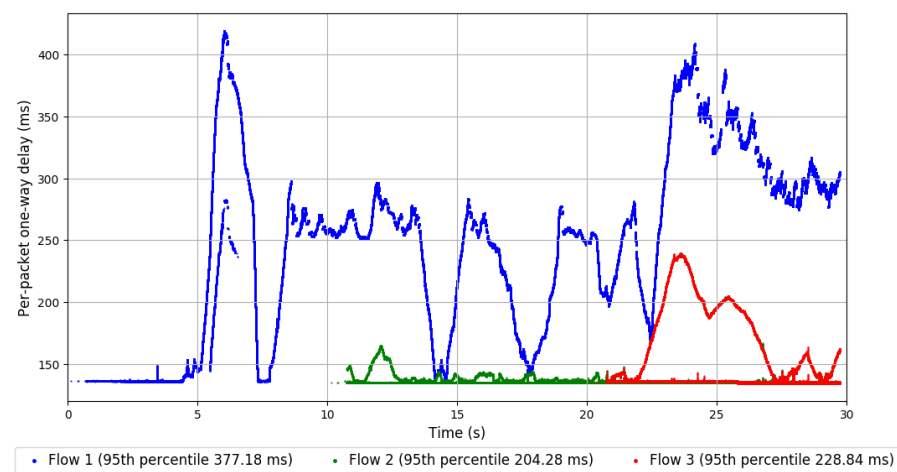
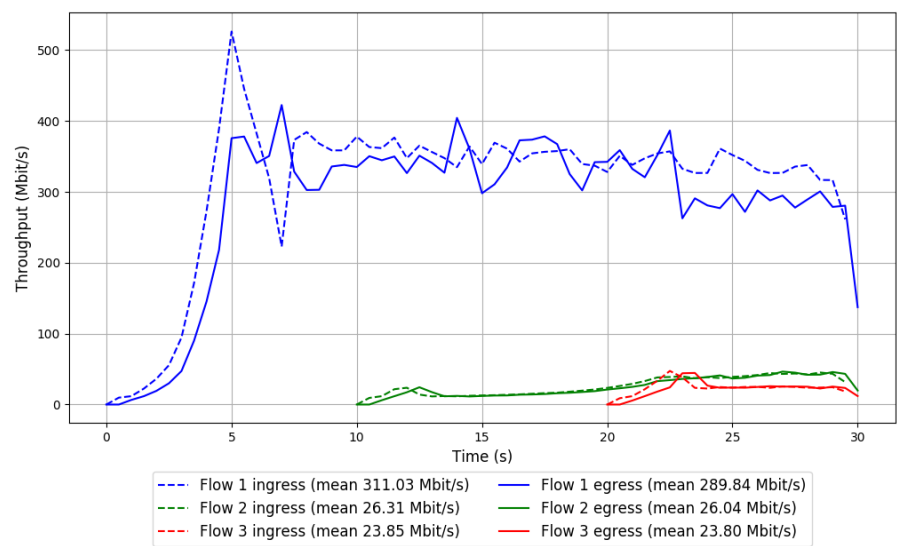
-- Flow 3:

Average throughput: 23.80 Mbit/s

95th percentile per-packet one-way delay: 228.839 ms

Loss rate: 2.98%

Run 8: Report of PCC-Expr — Data Link

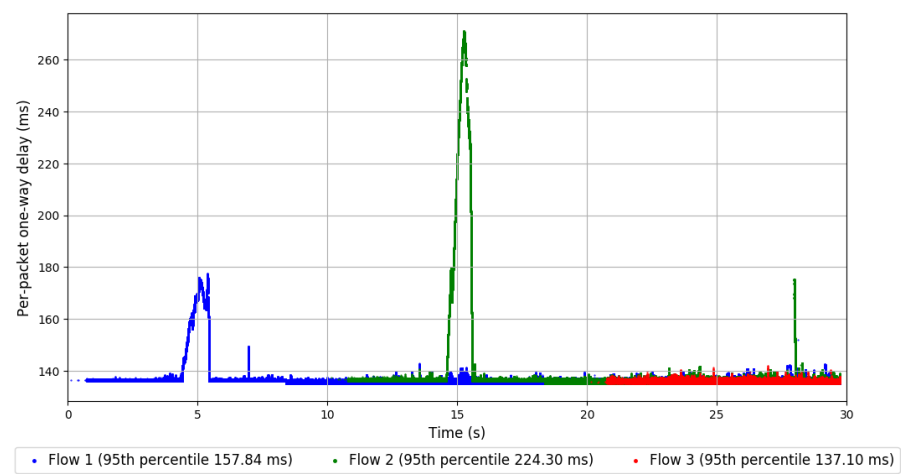
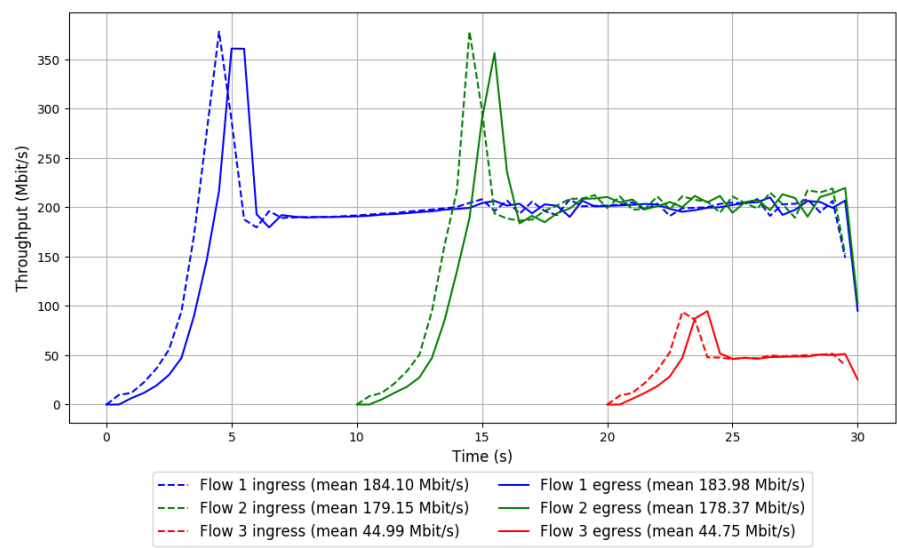


Run 9: Statistics of PCC-Expr

Start at: 2018-07-01 07:51:01
End at: 2018-07-01 07:51:31
Local clock offset: -0.062 ms
Remote clock offset: -0.279 ms

Below is generated by plot.py at 2018-07-01 09:59:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 316.55 Mbit/s
95th percentile per-packet one-way delay: 165.457 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 183.98 Mbit/s
95th percentile per-packet one-way delay: 157.840 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 178.37 Mbit/s
95th percentile per-packet one-way delay: 224.299 ms
Loss rate: 1.80%
-- Flow 3:
Average throughput: 44.75 Mbit/s
95th percentile per-packet one-way delay: 137.096 ms
Loss rate: 3.26%

Run 9: Report of PCC-Expr — Data Link

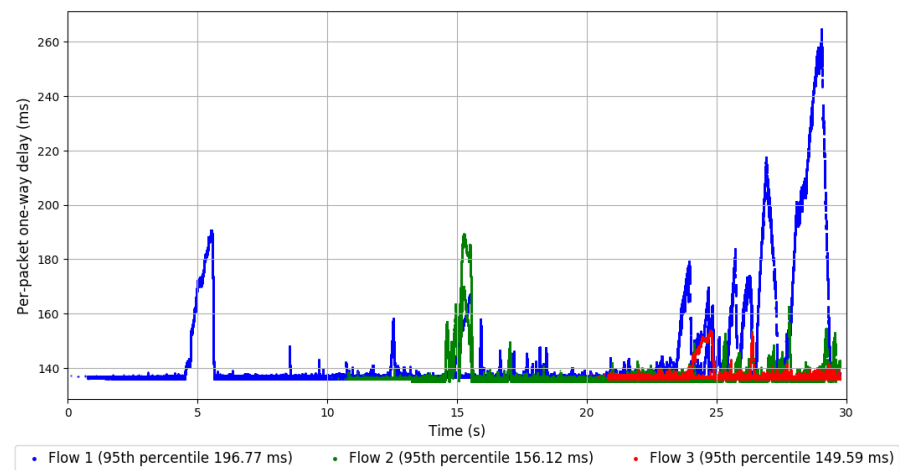
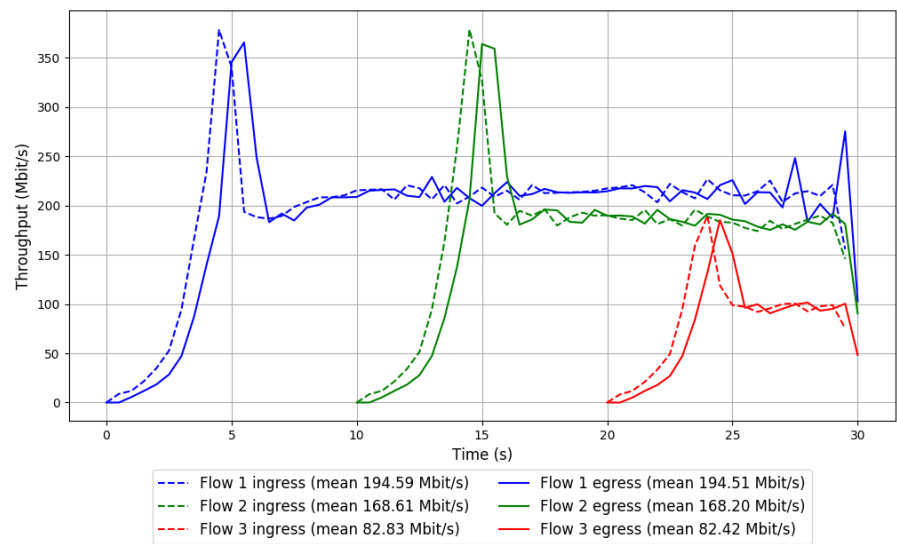


Run 10: Statistics of PCC-Expr

Start at: 2018-07-01 08:16:57
End at: 2018-07-01 08:17:27
Local clock offset: -0.004 ms
Remote clock offset: -0.343 ms

Below is generated by plot.py at 2018-07-01 10:02:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 332.56 Mbit/s
95th percentile per-packet one-way delay: 182.428 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 194.51 Mbit/s
95th percentile per-packet one-way delay: 196.771 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 168.20 Mbit/s
95th percentile per-packet one-way delay: 156.125 ms
Loss rate: 1.62%
-- Flow 3:
Average throughput: 82.42 Mbit/s
95th percentile per-packet one-way delay: 149.592 ms
Loss rate: 3.27%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-01 04:07:56

End at: 2018-07-01 04:08:26

Local clock offset: 0.306 ms

Remote clock offset: 0.094 ms

Below is generated by plot.py at 2018-07-01 10:02:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.85 Mbit/s

95th percentile per-packet one-way delay: 136.327 ms

Loss rate: 1.89%

-- Flow 1:

Average throughput: 45.04 Mbit/s

95th percentile per-packet one-way delay: 136.380 ms

Loss rate: 1.14%

-- Flow 2:

Average throughput: 49.67 Mbit/s

95th percentile per-packet one-way delay: 136.303 ms

Loss rate: 2.43%

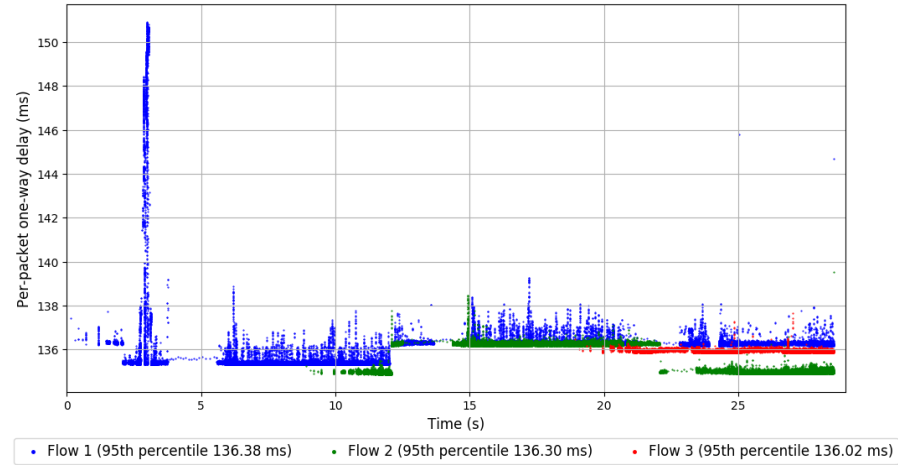
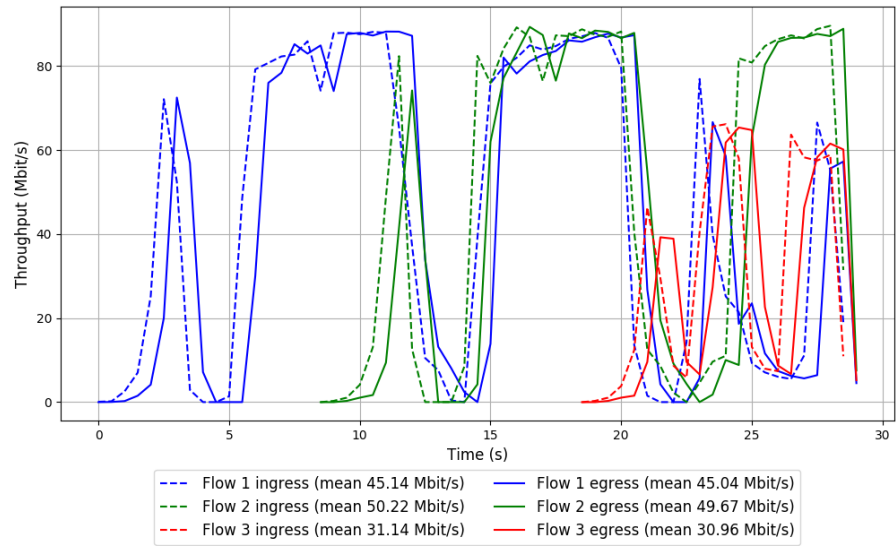
-- Flow 3:

Average throughput: 30.96 Mbit/s

95th percentile per-packet one-way delay: 136.021 ms

Loss rate: 3.32%

Run 1: Report of QUIC Cubic — Data Link

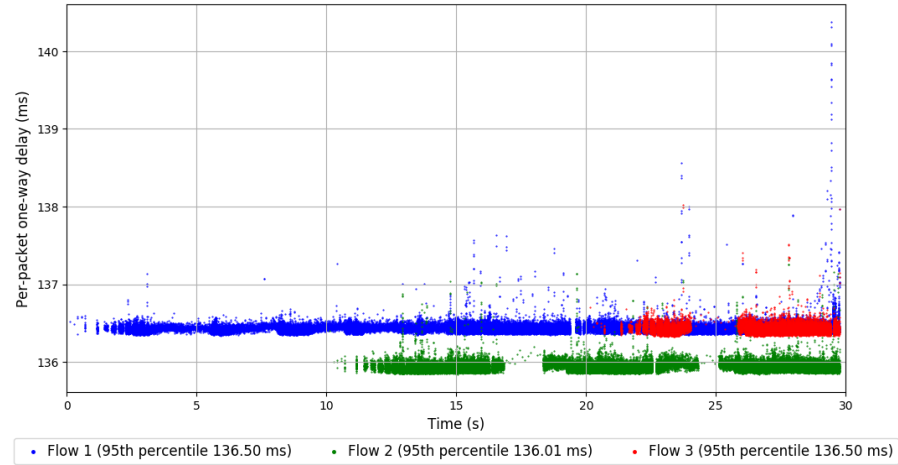
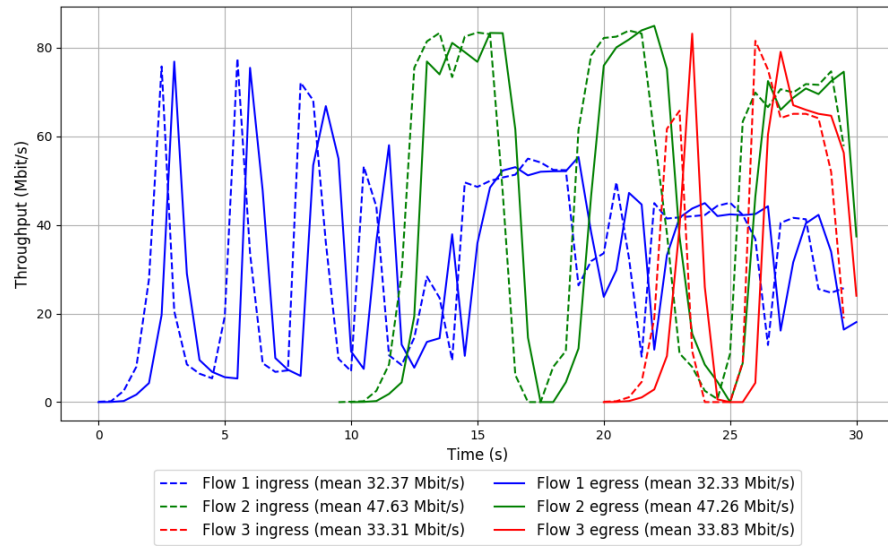


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-01 04:33:34
End at: 2018-07-01 04:34:04
Local clock offset: 0.073 ms
Remote clock offset: -0.341 ms

Below is generated by plot.py at 2018-07-01 10:02:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.62 Mbit/s
95th percentile per-packet one-way delay: 136.486 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 32.33 Mbit/s
95th percentile per-packet one-way delay: 136.502 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 47.26 Mbit/s
95th percentile per-packet one-way delay: 136.013 ms
Loss rate: 2.14%
-- Flow 3:
Average throughput: 33.83 Mbit/s
95th percentile per-packet one-way delay: 136.503 ms
Loss rate: 1.21%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-01 04:59:11

End at: 2018-07-01 04:59:41

Local clock offset: -0.323 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-07-01 10:02:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.41 Mbit/s

95th percentile per-packet one-way delay: 136.250 ms

Loss rate: 1.41%

-- Flow 1:

Average throughput: 54.50 Mbit/s

95th percentile per-packet one-way delay: 136.267 ms

Loss rate: 1.11%

-- Flow 2:

Average throughput: 46.00 Mbit/s

95th percentile per-packet one-way delay: 134.919 ms

Loss rate: 2.25%

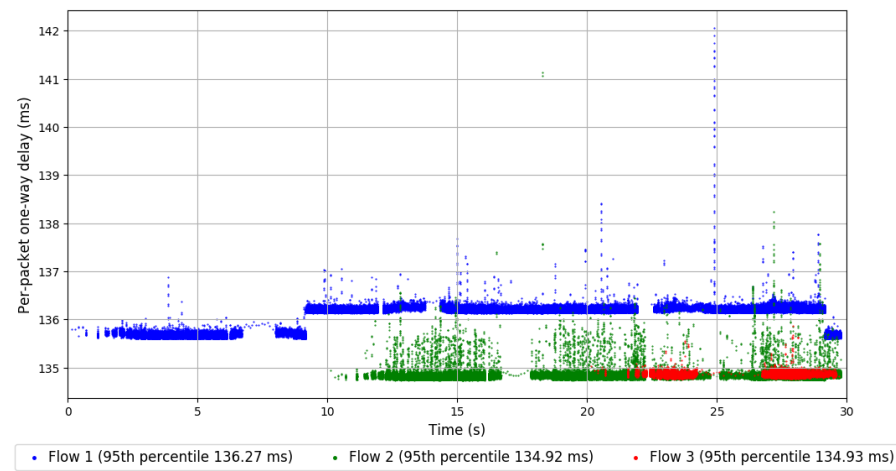
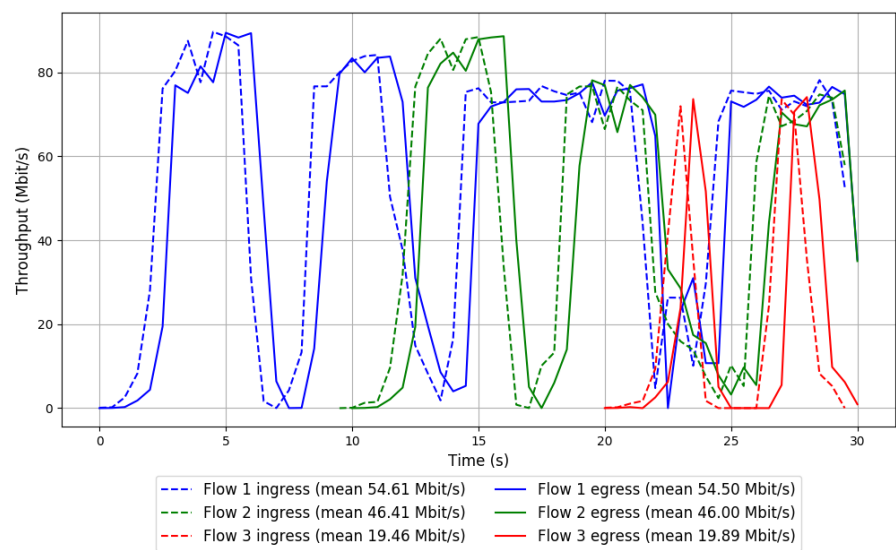
-- Flow 3:

Average throughput: 19.89 Mbit/s

95th percentile per-packet one-way delay: 134.928 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

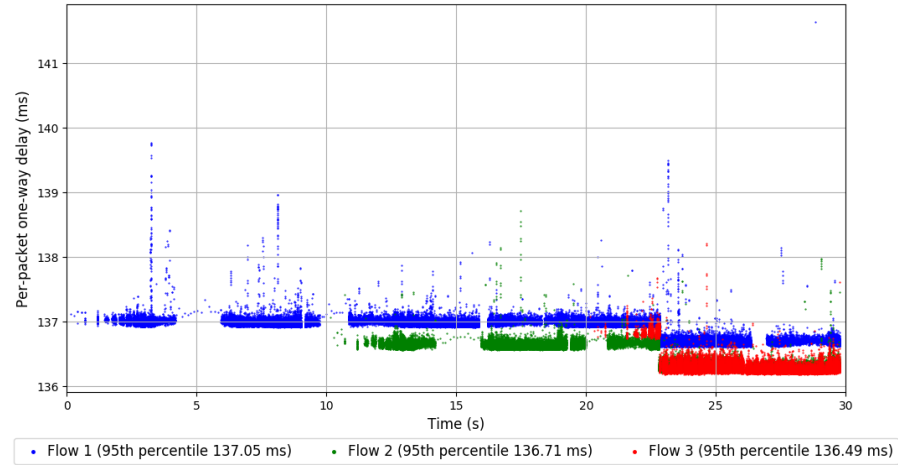
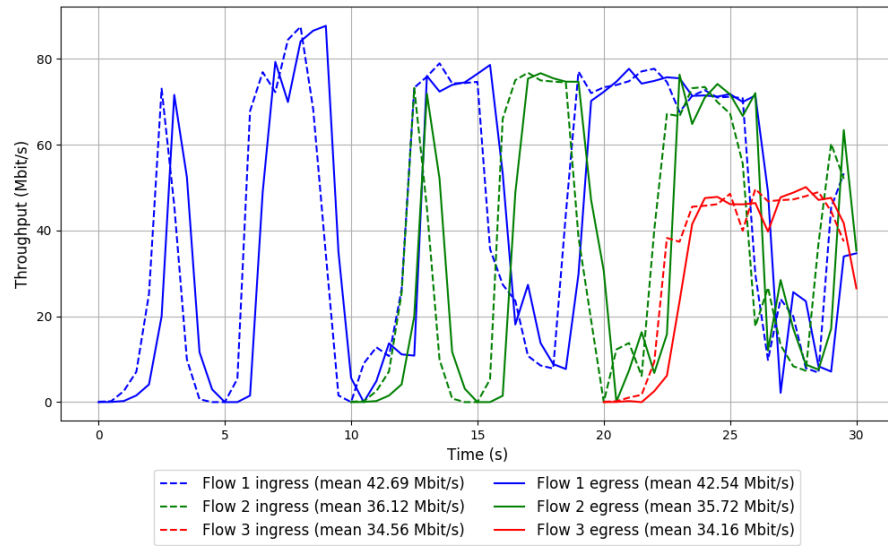


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-01 05:24:57
End at: 2018-07-01 05:25:27
Local clock offset: 0.107 ms
Remote clock offset: -0.304 ms

Below is generated by plot.py at 2018-07-01 10:02:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.29 Mbit/s
95th percentile per-packet one-way delay: 137.031 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 42.54 Mbit/s
95th percentile per-packet one-way delay: 137.050 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 35.72 Mbit/s
95th percentile per-packet one-way delay: 136.706 ms
Loss rate: 2.46%
-- Flow 3:
Average throughput: 34.16 Mbit/s
95th percentile per-packet one-way delay: 136.486 ms
Loss rate: 3.86%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-01 05:50:41

End at: 2018-07-01 05:51:11

Local clock offset: 0.338 ms

Remote clock offset: 0.082 ms

Below is generated by plot.py at 2018-07-01 10:02:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.10 Mbit/s

95th percentile per-packet one-way delay: 136.096 ms

Loss rate: 1.81%

-- Flow 1:

Average throughput: 43.75 Mbit/s

95th percentile per-packet one-way delay: 136.114 ms

Loss rate: 1.25%

-- Flow 2:

Average throughput: 46.87 Mbit/s

95th percentile per-packet one-way delay: 135.328 ms

Loss rate: 1.89%

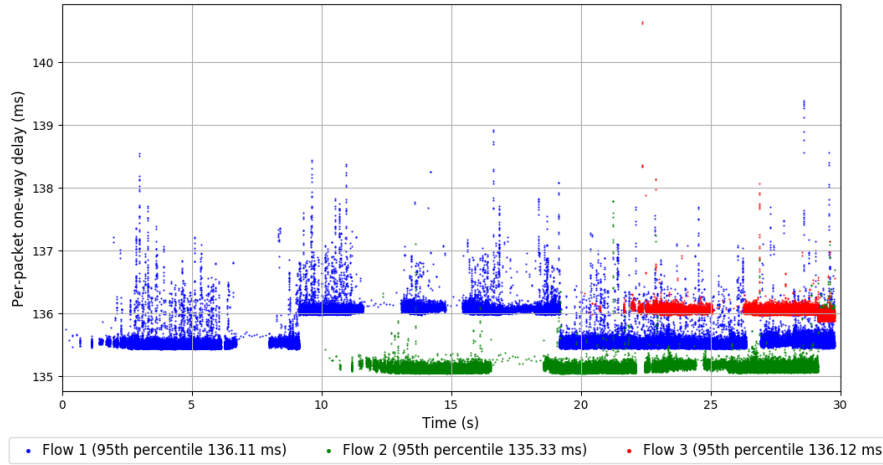
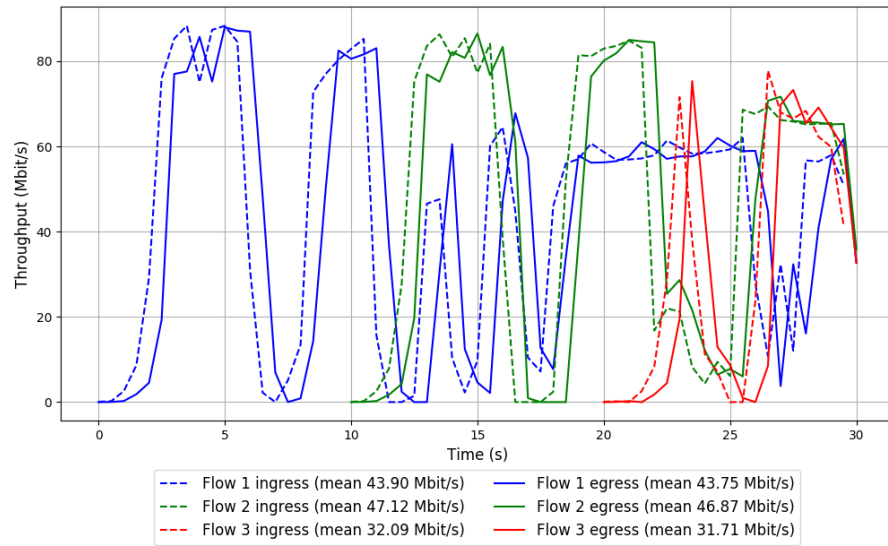
-- Flow 3:

Average throughput: 31.71 Mbit/s

95th percentile per-packet one-way delay: 136.122 ms

Loss rate: 3.92%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-01 06:16:27

End at: 2018-07-01 06:16:57

Local clock offset: 0.023 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-07-01 10:02:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.84 Mbit/s

95th percentile per-packet one-way delay: 136.472 ms

Loss rate: 1.66%

-- Flow 1:

Average throughput: 46.58 Mbit/s

95th percentile per-packet one-way delay: 136.498 ms

Loss rate: 1.43%

-- Flow 2:

Average throughput: 46.60 Mbit/s

95th percentile per-packet one-way delay: 136.138 ms

Loss rate: 2.20%

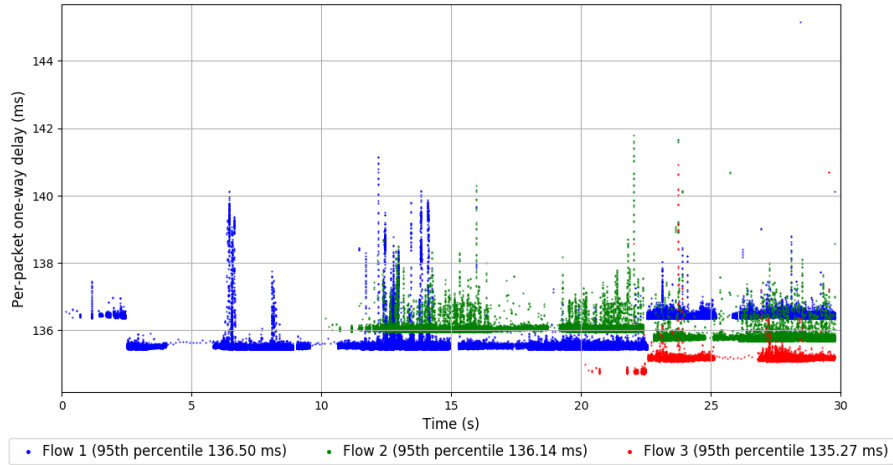
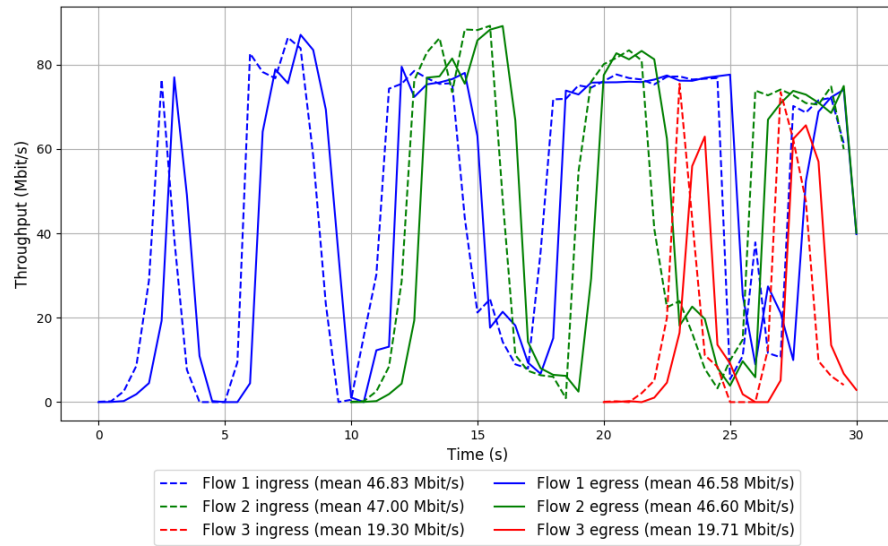
-- Flow 3:

Average throughput: 19.71 Mbit/s

95th percentile per-packet one-way delay: 135.271 ms

Loss rate: 0.69%

Run 6: Report of QUIC Cubic — Data Link

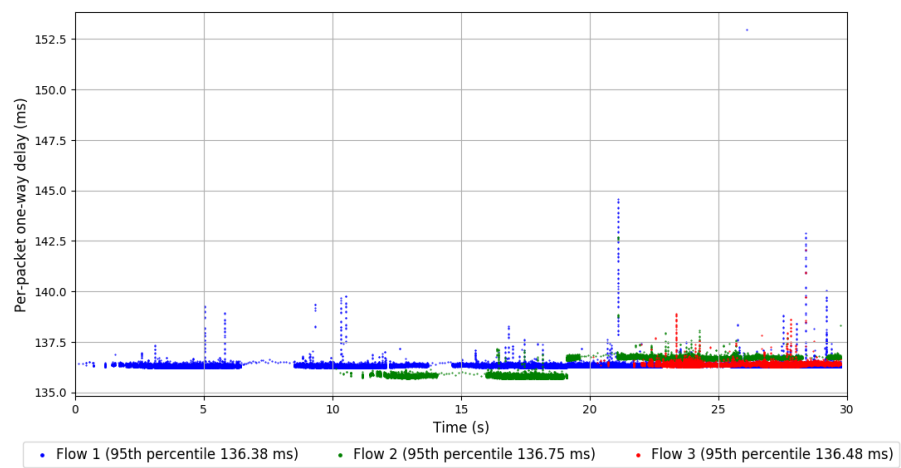
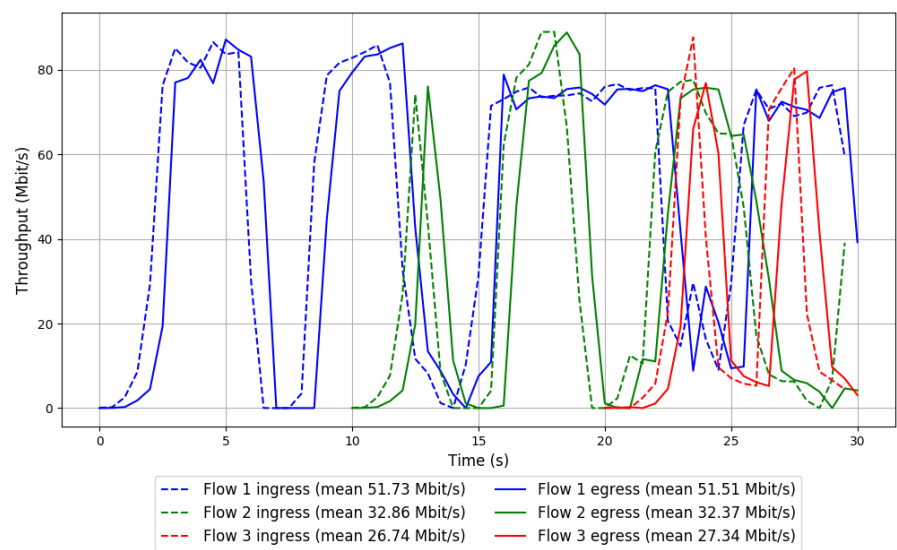


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-01 06:42:31
End at: 2018-07-01 06:43:01
Local clock offset: 0.242 ms
Remote clock offset: -0.423 ms

Below is generated by plot.py at 2018-07-01 10:02:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.82 Mbit/s
95th percentile per-packet one-way delay: 136.687 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 51.51 Mbit/s
95th percentile per-packet one-way delay: 136.381 ms
Loss rate: 1.34%
-- Flow 2:
Average throughput: 32.37 Mbit/s
95th percentile per-packet one-way delay: 136.751 ms
Loss rate: 2.84%
-- Flow 3:
Average throughput: 27.34 Mbit/s
95th percentile per-packet one-way delay: 136.477 ms
Loss rate: 0.58%

Run 7: Report of QUIC Cubic — Data Link

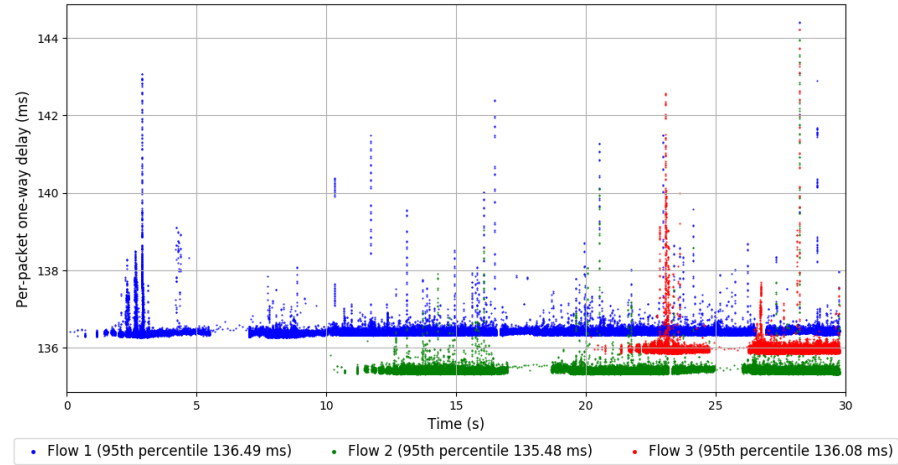
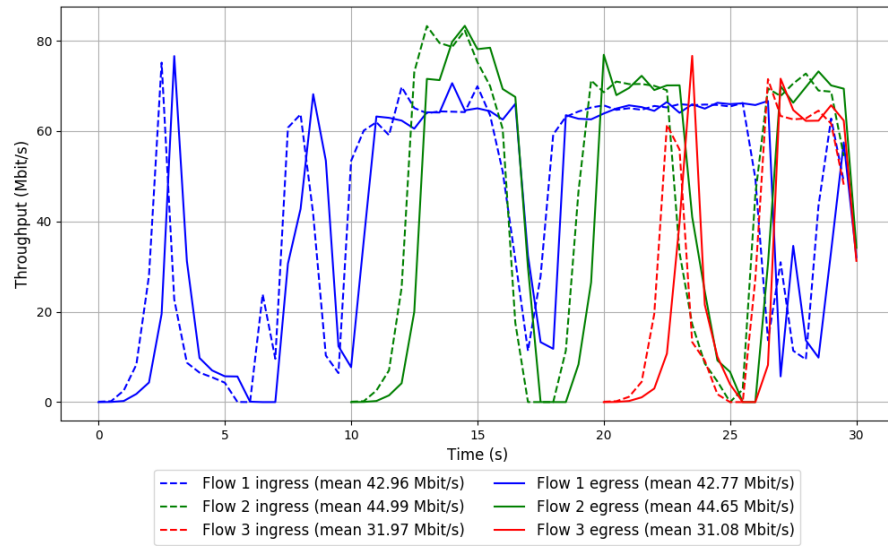


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-01 07:08:00
End at: 2018-07-01 07:08:30
Local clock offset: 0.148 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-01 10:02:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.38 Mbit/s
95th percentile per-packet one-way delay: 136.459 ms
Loss rate: 2.13%
-- Flow 1:
Average throughput: 42.77 Mbit/s
95th percentile per-packet one-way delay: 136.490 ms
Loss rate: 1.35%
-- Flow 2:
Average throughput: 44.65 Mbit/s
95th percentile per-packet one-way delay: 135.481 ms
Loss rate: 2.12%
-- Flow 3:
Average throughput: 31.08 Mbit/s
95th percentile per-packet one-way delay: 136.081 ms
Loss rate: 5.32%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-01 07:33:57

End at: 2018-07-01 07:34:27

Local clock offset: 0.223 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-01 10:02:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.37 Mbit/s

95th percentile per-packet one-way delay: 136.587 ms

Loss rate: 1.75%

-- Flow 1:

Average throughput: 50.10 Mbit/s

95th percentile per-packet one-way delay: 136.401 ms

Loss rate: 1.47%

-- Flow 2:

Average throughput: 44.58 Mbit/s

95th percentile per-packet one-way delay: 136.620 ms

Loss rate: 2.09%

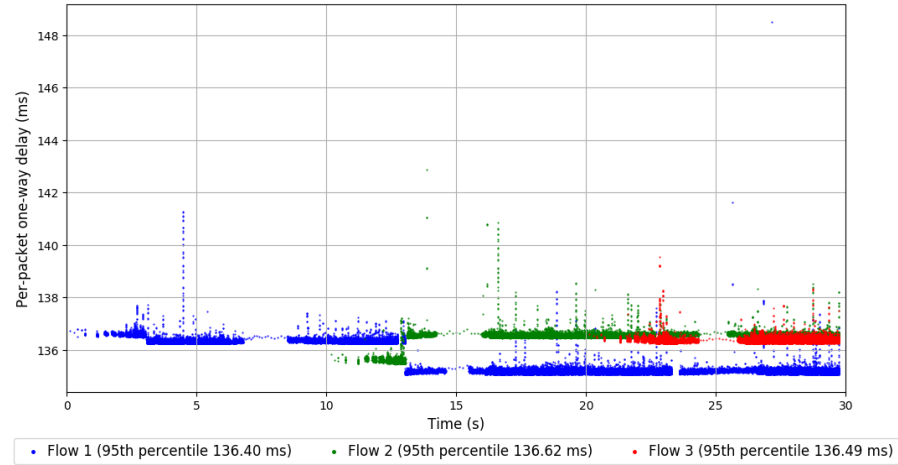
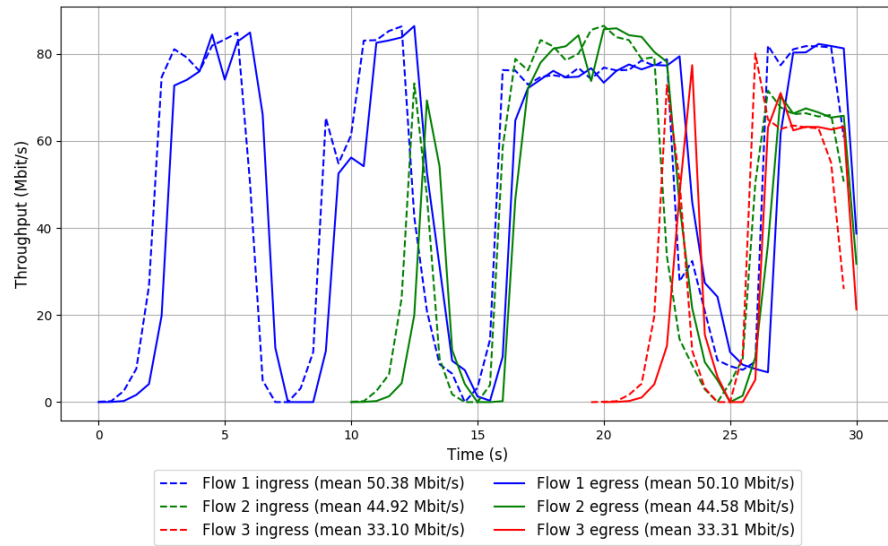
-- Flow 3:

Average throughput: 33.31 Mbit/s

95th percentile per-packet one-way delay: 136.488 ms

Loss rate: 2.13%

Run 9: Report of QUIC Cubic — Data Link

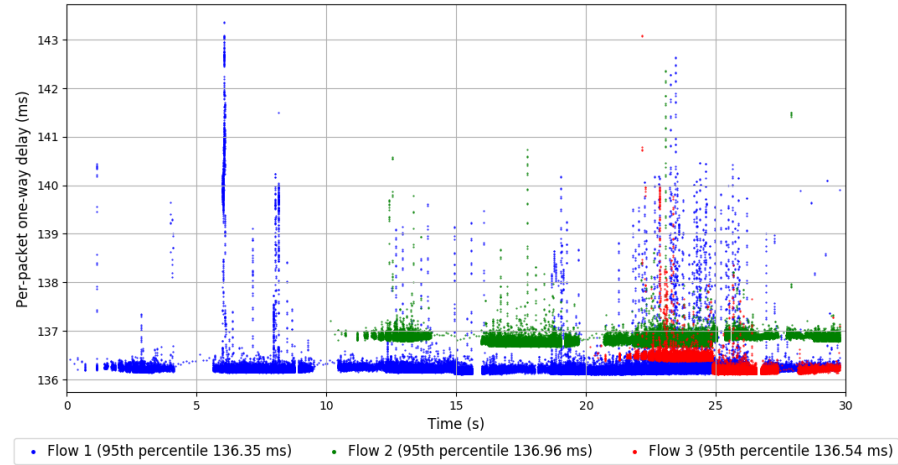
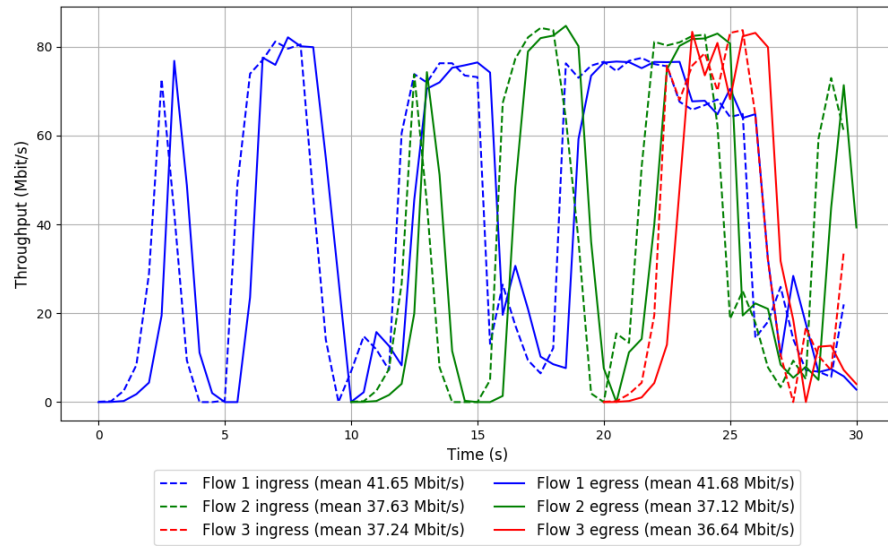


Run 10: Statistics of QUIC Cubic

Start at: 2018-07-01 07:59:45
End at: 2018-07-01 08:00:15
Local clock offset: 0.116 ms
Remote clock offset: -0.291 ms

Below is generated by plot.py at 2018-07-01 10:02:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.13 Mbit/s
95th percentile per-packet one-way delay: 136.912 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 41.68 Mbit/s
95th percentile per-packet one-way delay: 136.353 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 37.12 Mbit/s
95th percentile per-packet one-way delay: 136.960 ms
Loss rate: 2.70%
-- Flow 3:
Average throughput: 36.64 Mbit/s
95th percentile per-packet one-way delay: 136.538 ms
Loss rate: 4.30%

Run 10: Report of QUIC Cubic — Data Link

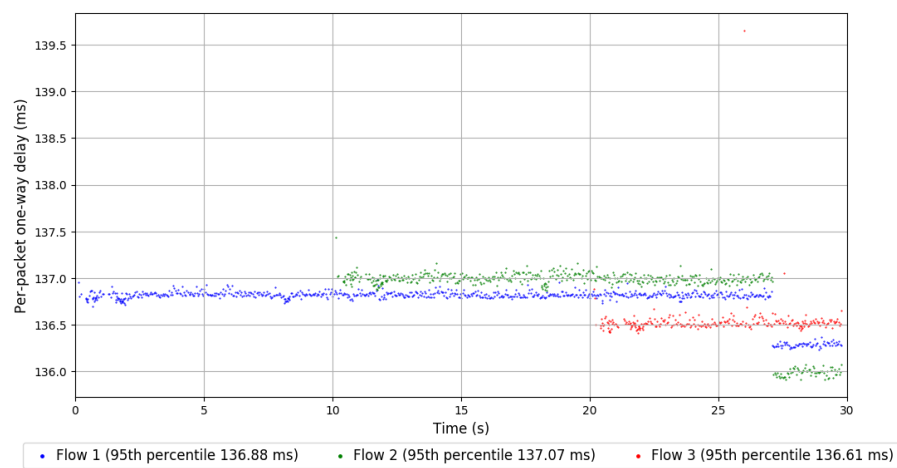
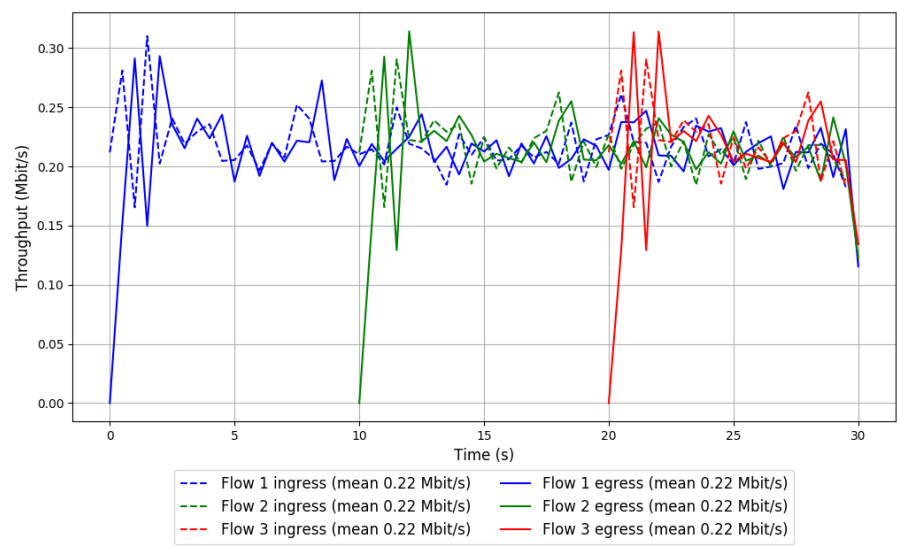


```
Run 1: Statistics of SReAM

Start at: 2018-07-01 04:28:23
End at: 2018-07-01 04:28:53
Local clock offset: 0.109 ms
Remote clock offset: -0.285 ms

# Below is generated by plot.py at 2018-07-01 10:02:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 137.041 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.875 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.066 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.611 ms
Loss rate: 2.59%
```


Run 1: Report of SReAM — Data Link

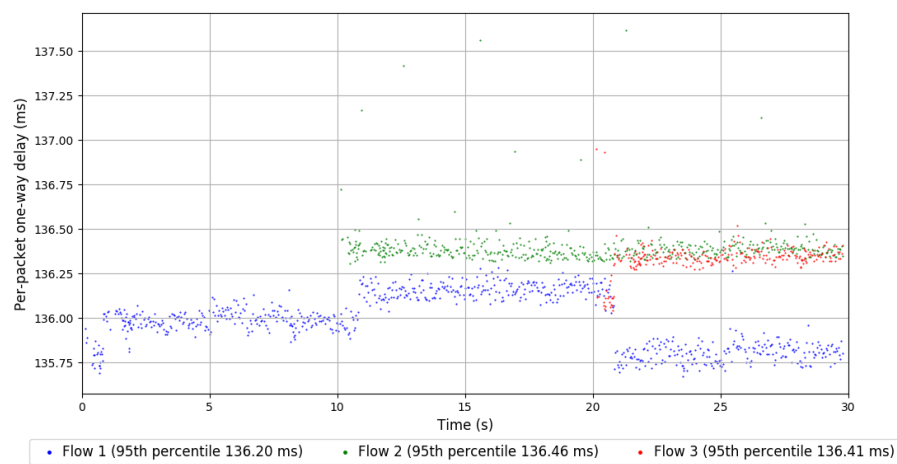
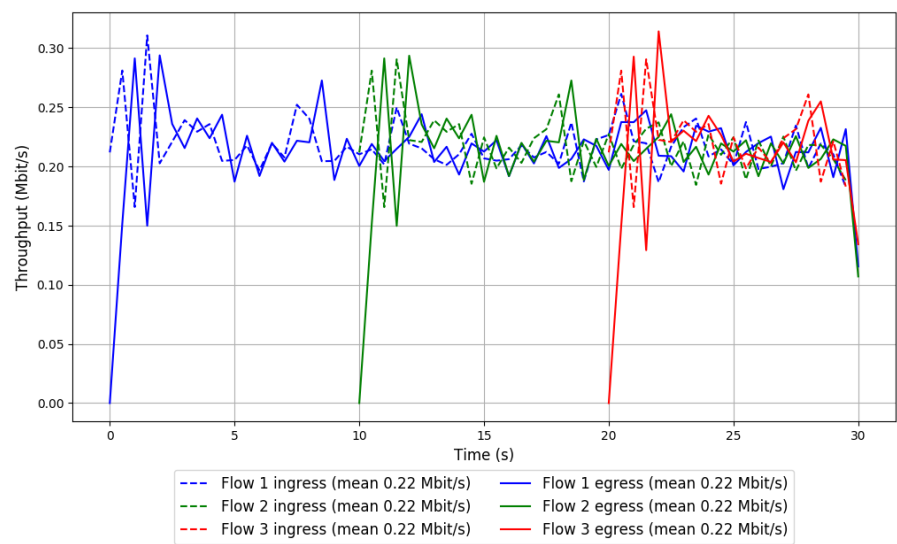


Run 2: Statistics of SReAM

Start at: 2018-07-01 04:53:59
End at: 2018-07-01 04:54:29
Local clock offset: -0.114 ms
Remote clock offset: 0.086 ms

Below is generated by plot.py at 2018-07-01 10:02:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.427 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.201 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.456 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.408 ms
Loss rate: 2.59%

Run 2: Report of SReAM — Data Link

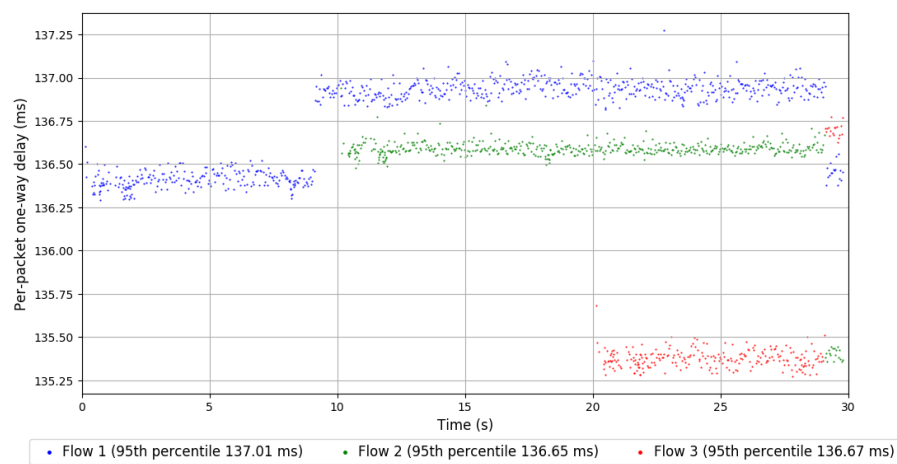
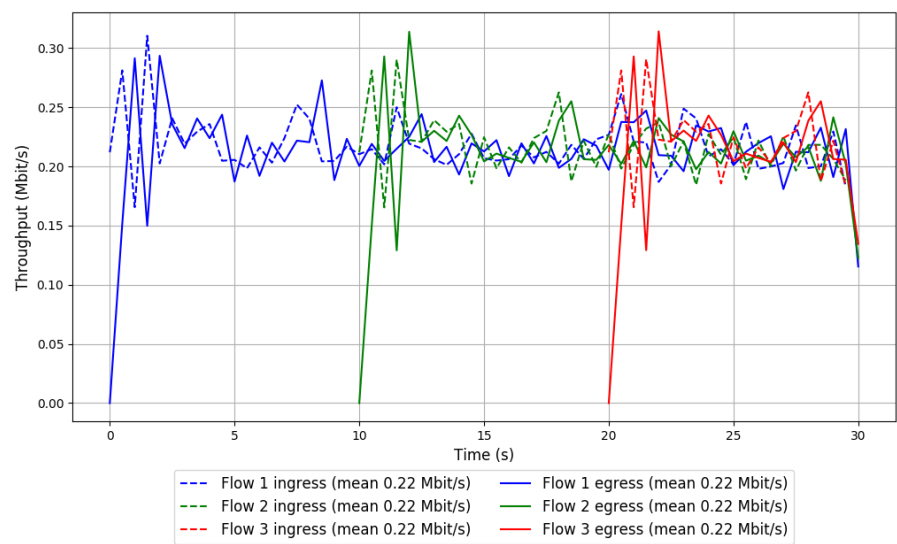


Run 3: Statistics of SReAM

Start at: 2018-07-01 05:20:01
End at: 2018-07-01 05:20:31
Local clock offset: -0.019 ms
Remote clock offset: -0.305 ms

Below is generated by plot.py at 2018-07-01 10:02:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.988 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 137.011 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.645 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.669 ms
Loss rate: 2.59%

Run 3: Report of SReAM — Data Link

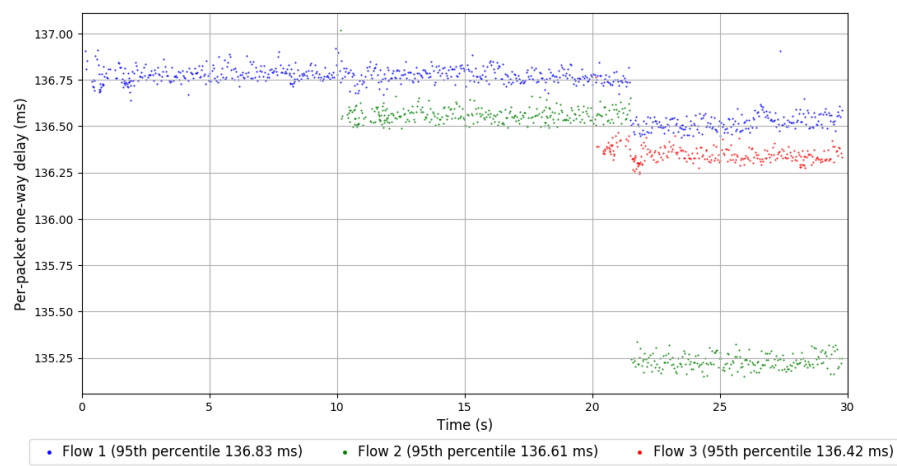
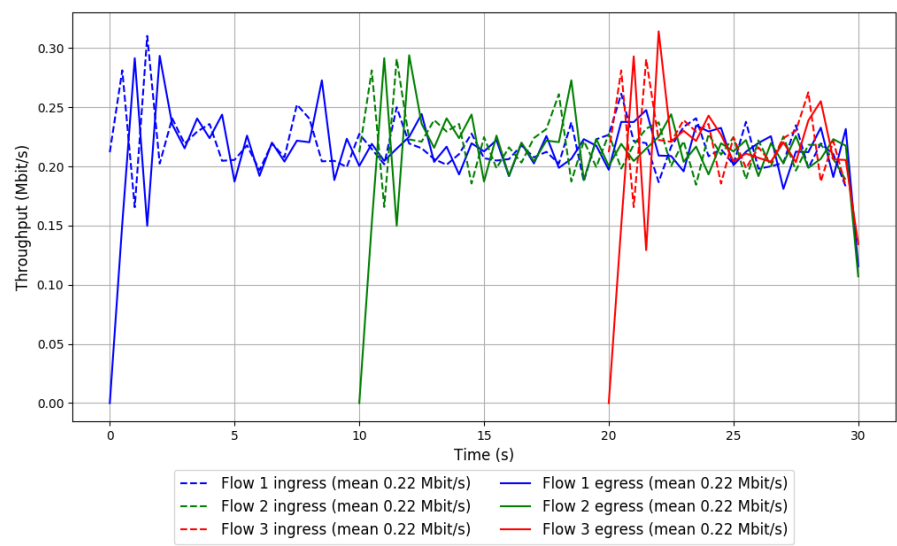


Run 4: Statistics of SReAM

Start at: 2018-07-01 05:45:38
End at: 2018-07-01 05:46:08
Local clock offset: 0.29 ms
Remote clock offset: -0.306 ms

```
# Below is generated by plot.py at 2018-07-01 10:02:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.816 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.833 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.607 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.421 ms
Loss rate: 2.59%
```

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-07-01 06:11:08

End at: 2018-07-01 06:11:38

Local clock offset: 0.024 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2018-07-01 10:02:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 135.735 ms

Loss rate: 1.36%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.689 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.763 ms

Loss rate: 1.43%

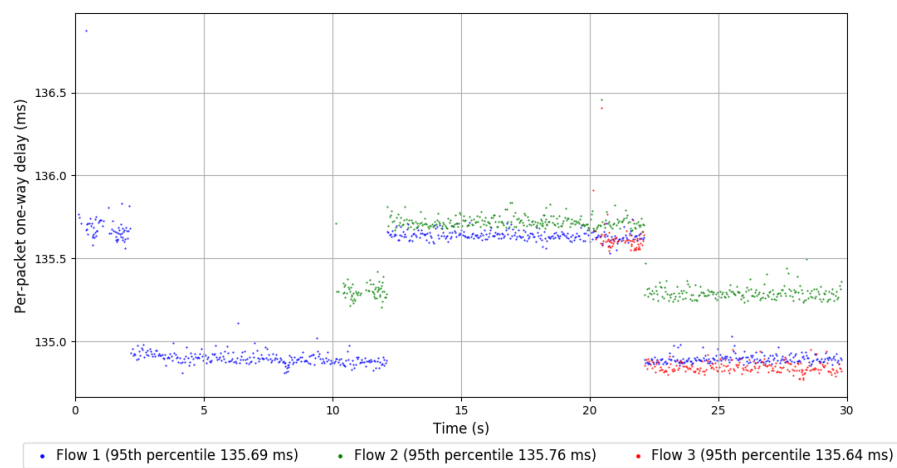
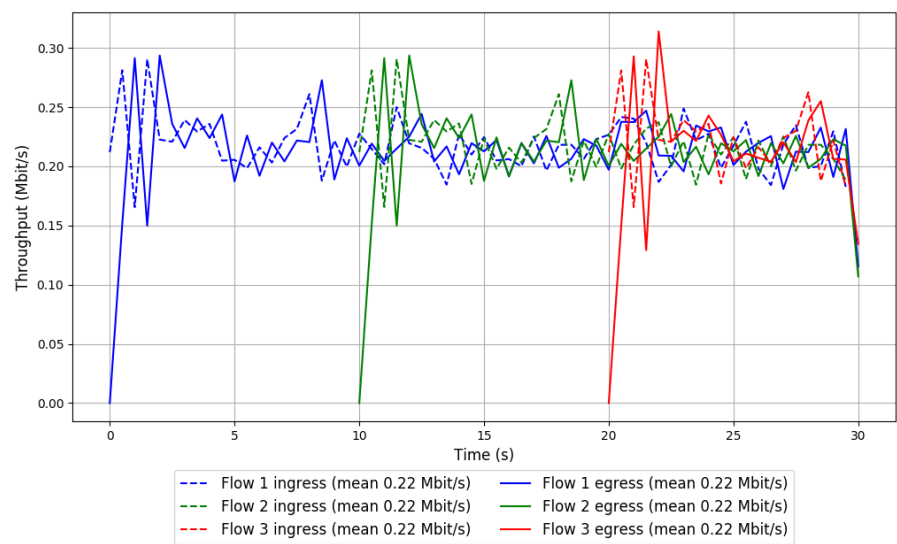
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.639 ms

Loss rate: 2.59%

Run 5: Report of SReAM — Data Link

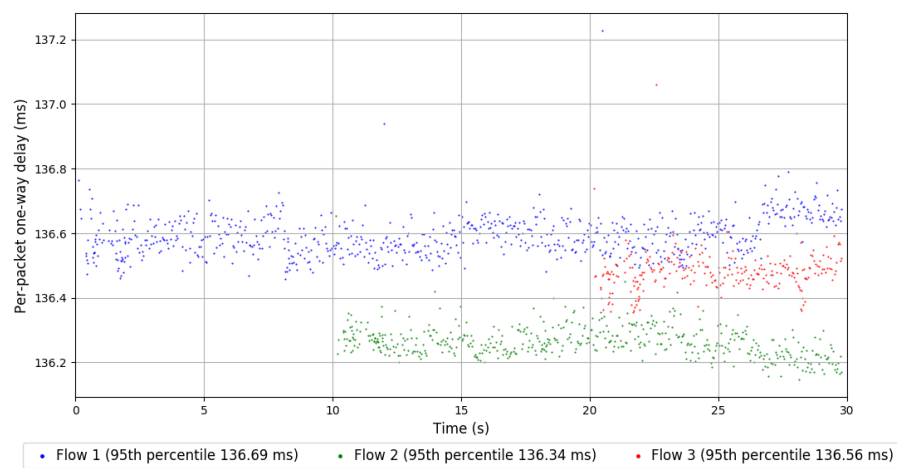
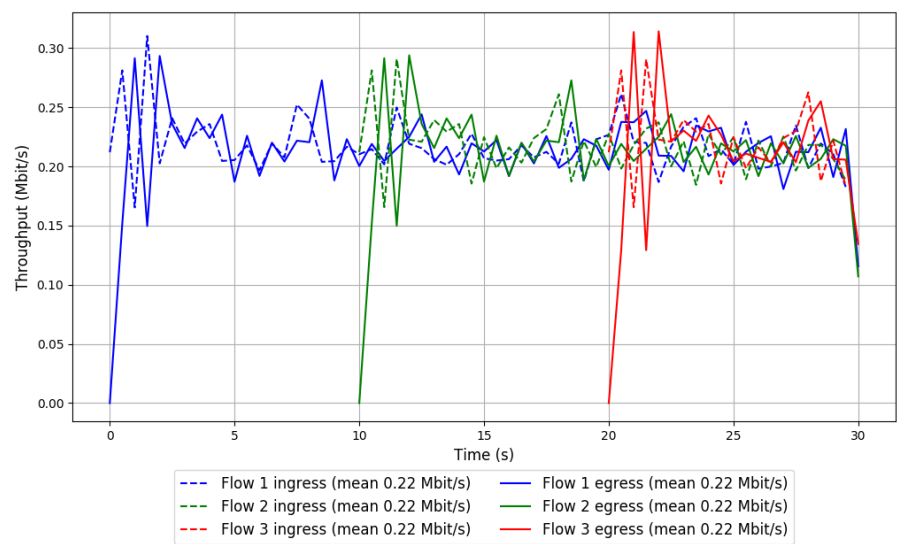


Run 6: Statistics of SReAM

Start at: 2018-07-01 06:37:13
End at: 2018-07-01 06:37:43
Local clock offset: 0.068 ms
Remote clock offset: -0.398 ms

Below is generated by plot.py at 2018-07-01 10:02:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 136.664 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.686 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.343 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.558 ms
Loss rate: 2.59%

Run 6: Report of SReAM — Data Link

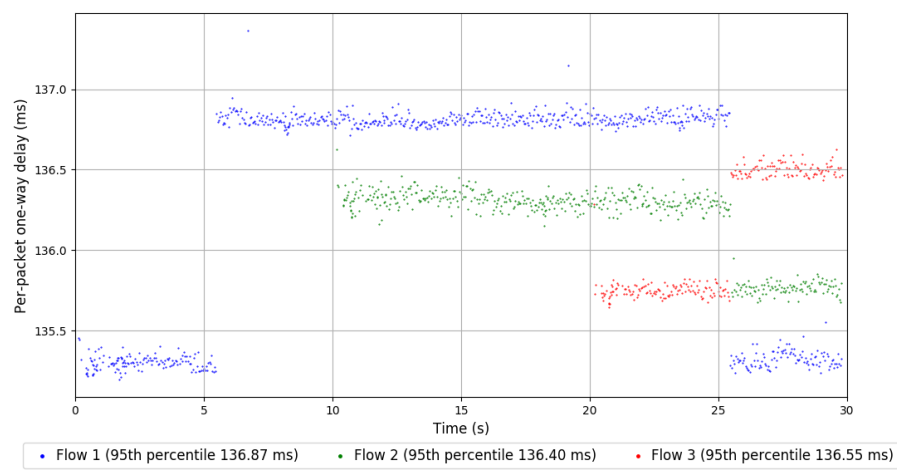
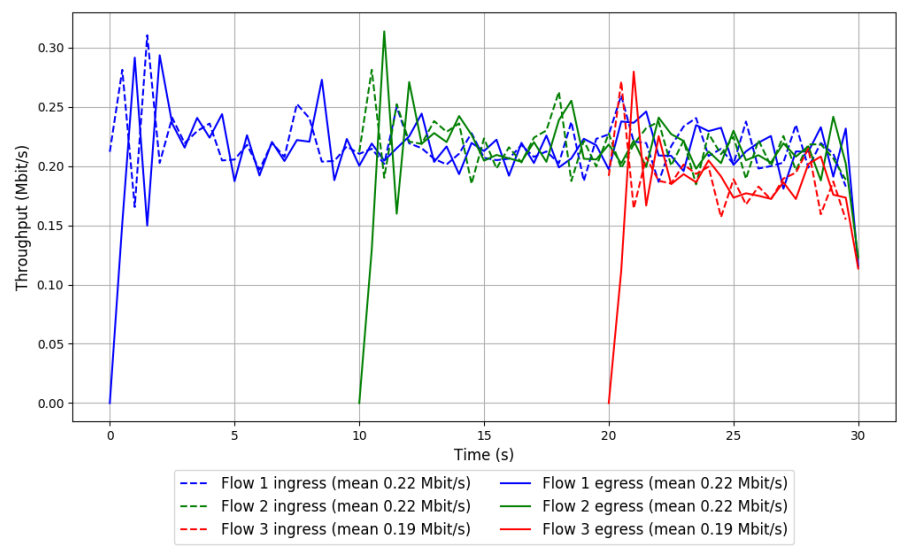


Run 7: Statistics of SReAM

Start at: 2018-07-01 07:02:54
End at: 2018-07-01 07:03:24
Local clock offset: 0.34 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-01 10:02:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 136.851 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.872 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.396 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 136.548 ms
Loss rate: 2.57%

Run 7: Report of SCSReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-07-01 07:28:36

End at: 2018-07-01 07:29:06

Local clock offset: 0.014 ms

Remote clock offset: 0.333 ms

Below is generated by plot.py at 2018-07-01 10:02:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 136.099 ms

Loss rate: 1.36%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.040 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.140 ms

Loss rate: 1.43%

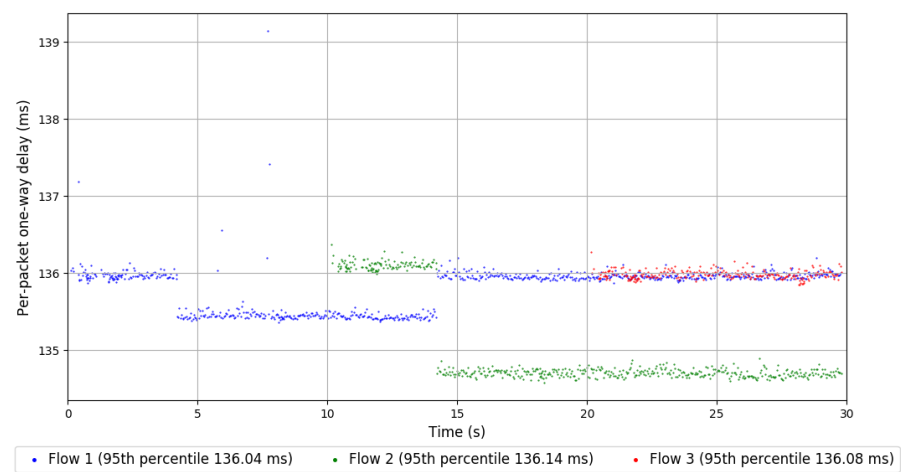
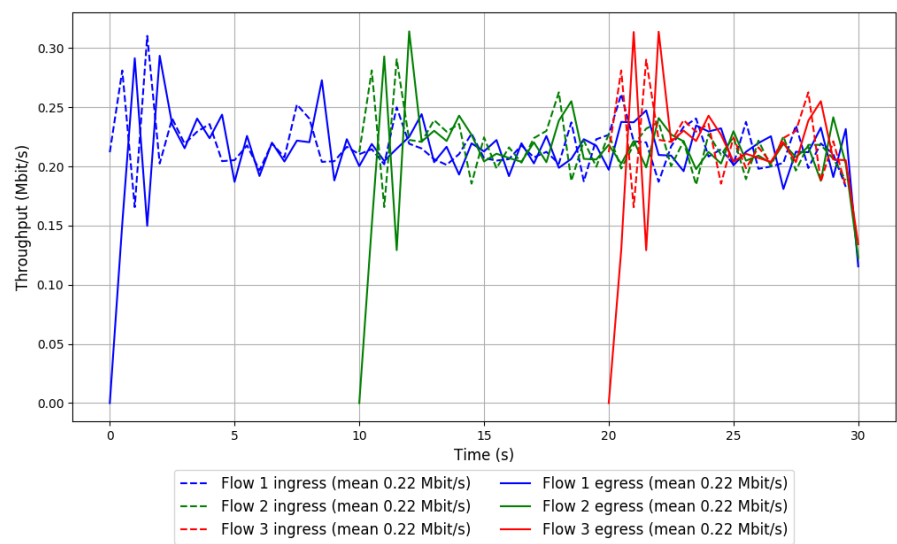
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.078 ms

Loss rate: 2.59%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-07-01 07:54:34

End at: 2018-07-01 07:55:04

Local clock offset: -0.057 ms

Remote clock offset: 0.087 ms

Below is generated by plot.py at 2018-07-01 10:02:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 136.125 ms

Loss rate: 1.35%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.144 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 134.729 ms

Loss rate: 1.43%

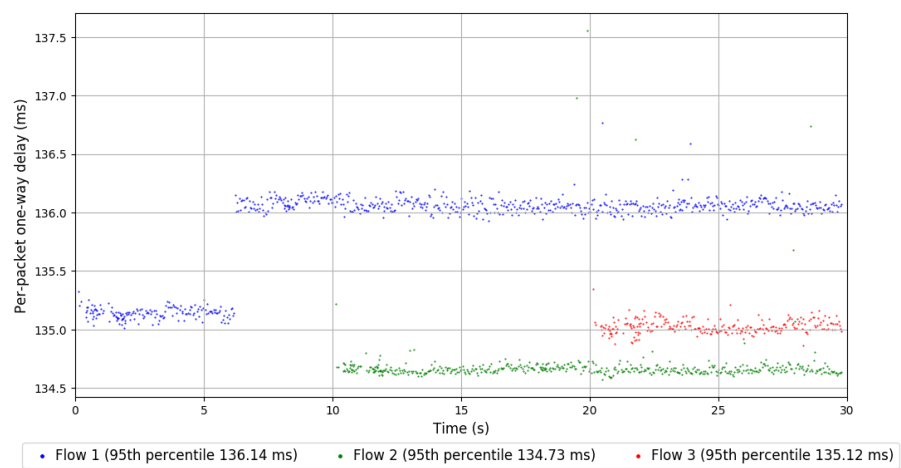
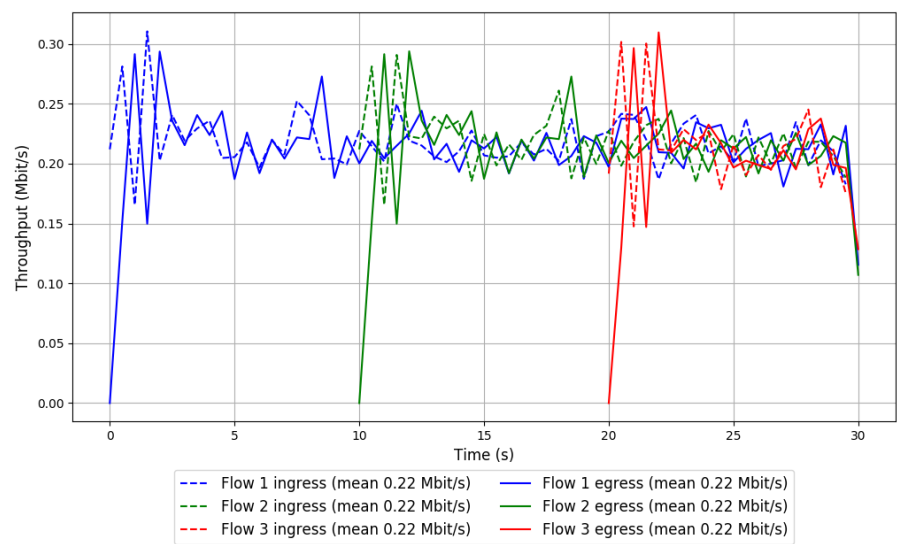
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.116 ms

Loss rate: 2.57%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-01 08:20:32

End at: 2018-07-01 08:21:02

Local clock offset: 0.212 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-01 10:02:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

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

Loss rate: 1.36%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.013 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.261 ms

Loss rate: 1.43%

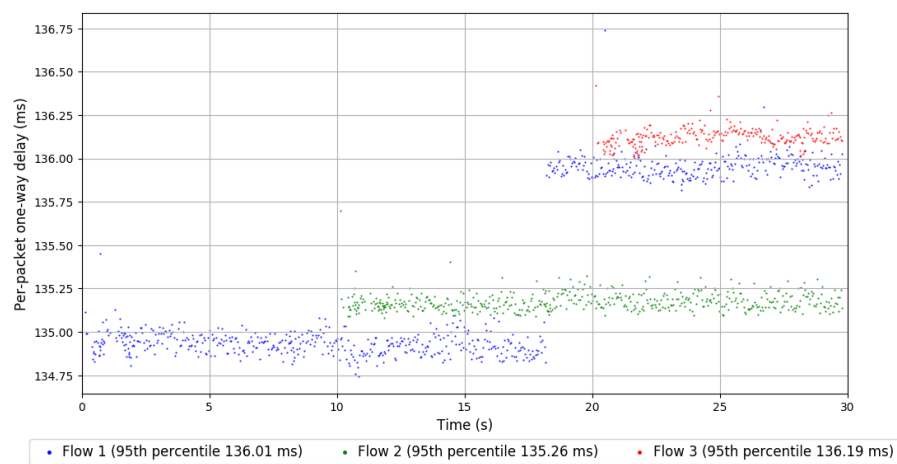
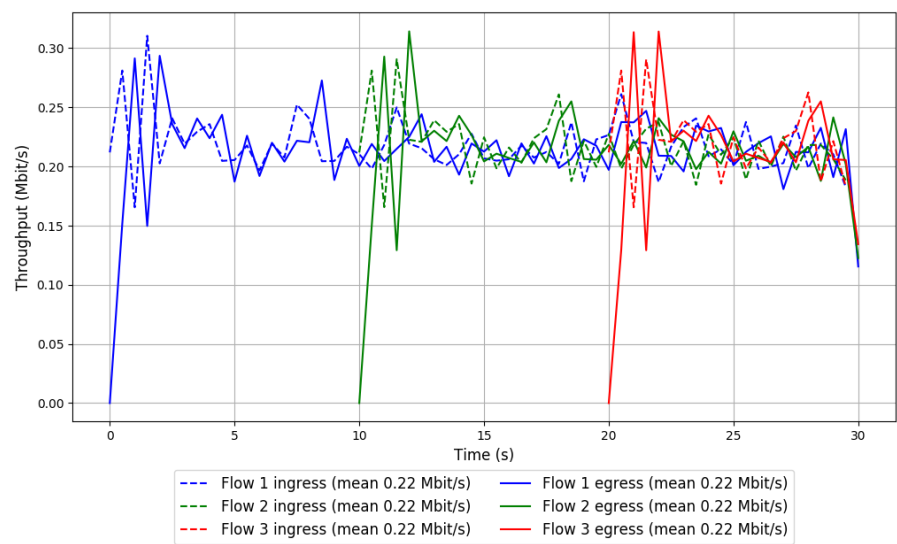
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.193 ms

Loss rate: 2.59%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-01 04:20:48

End at: 2018-07-01 04:21:18

Local clock offset: 0.033 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-07-01 10:02:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 136.552 ms

Loss rate: 1.91%

-- Flow 1:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 136.144 ms

Loss rate: 0.73%

-- Flow 2:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 136.589 ms

Loss rate: 0.83%

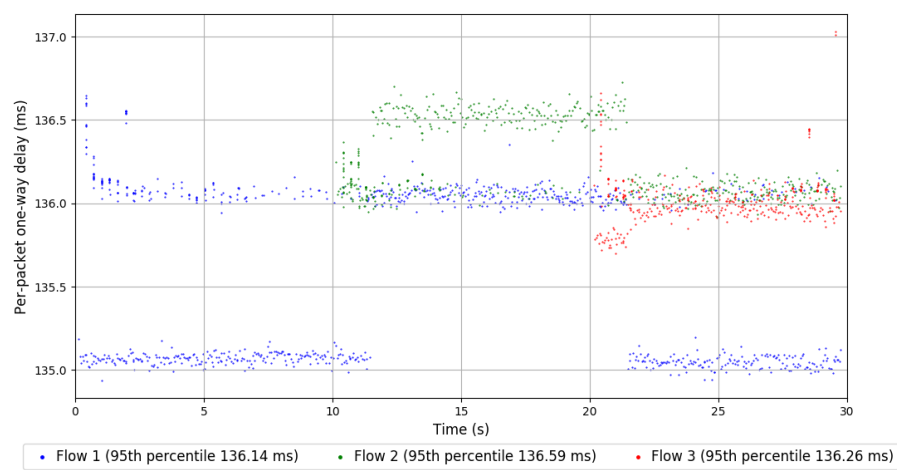
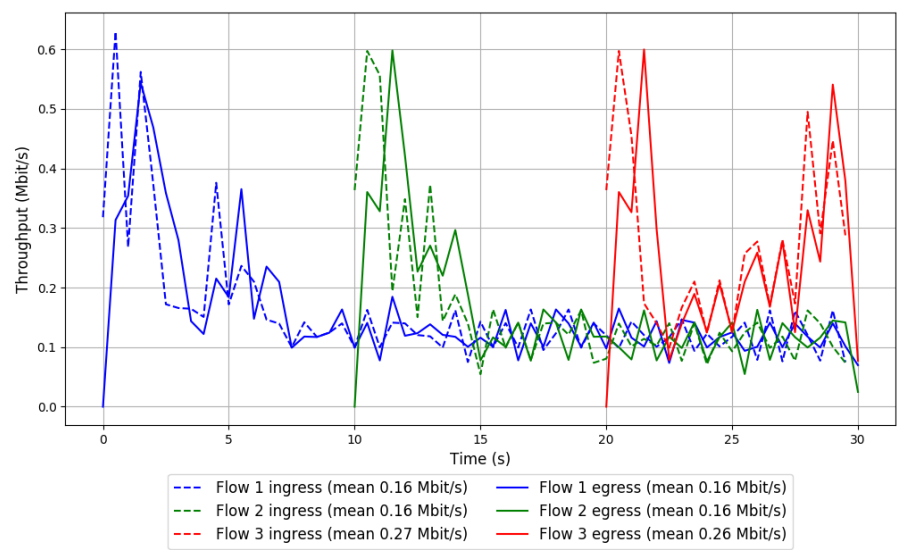
-- Flow 3:

Average throughput: 0.26 Mbit/s

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

Loss rate: 5.30%

Run 1: Report of Sprout — Data Link

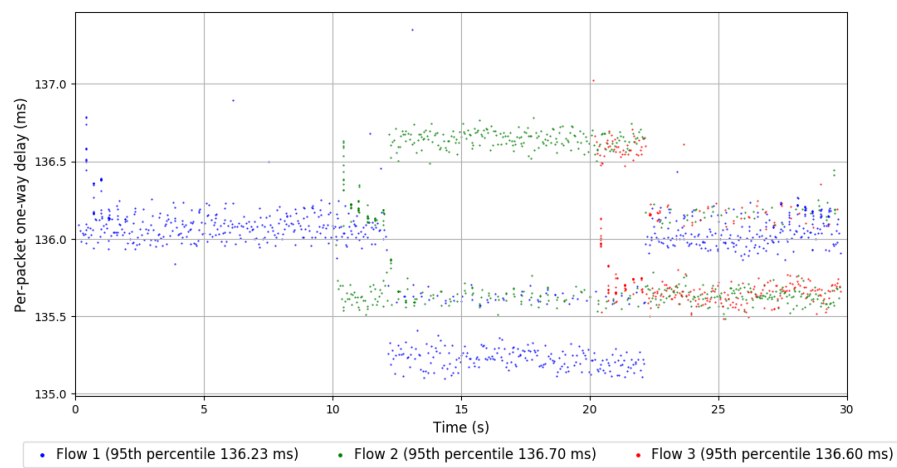
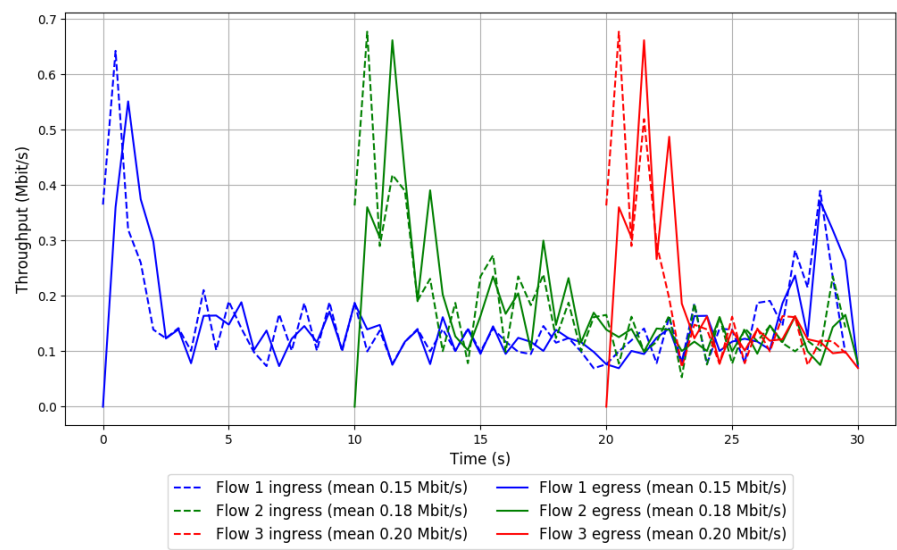


Run 2: Statistics of Sprout

Start at: 2018-07-01 04:46:28
End at: 2018-07-01 04:46:58
Local clock offset: -0.417 ms
Remote clock offset: -0.324 ms

Below is generated by plot.py at 2018-07-01 10:02:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 136.665 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.234 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.696 ms
Loss rate: 1.91%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 136.600 ms
Loss rate: 1.81%

Run 2: Report of Sprout — Data Link

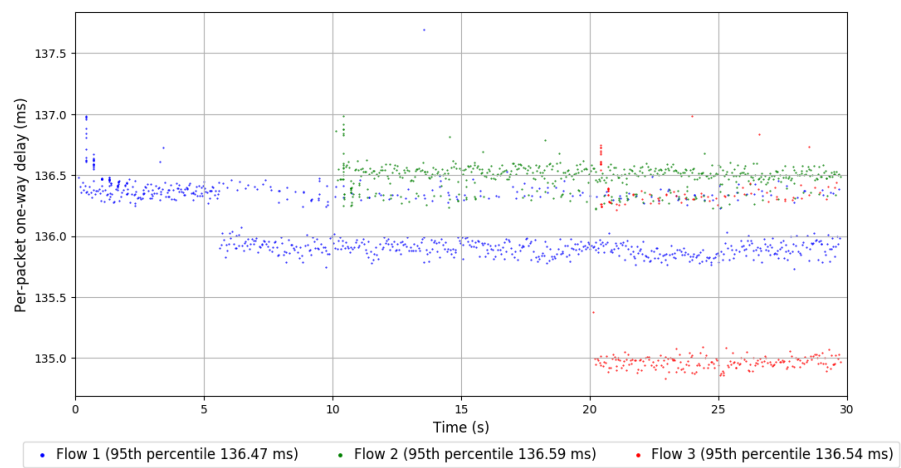
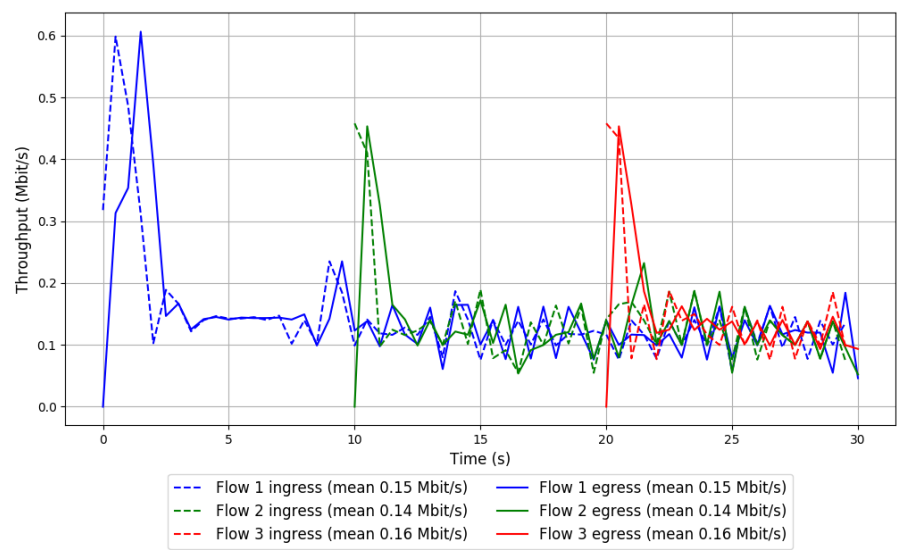


Run 3: Statistics of Sprout

Start at: 2018-07-01 05:12:14
End at: 2018-07-01 05:12:44
Local clock offset: -0.229 ms
Remote clock offset: 0.08 ms

```
# Below is generated by plot.py at 2018-07-01 10:02:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 136.585 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.467 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 136.595 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.543 ms
Loss rate: 2.97%
```


Run 3: Report of Sprout — Data Link

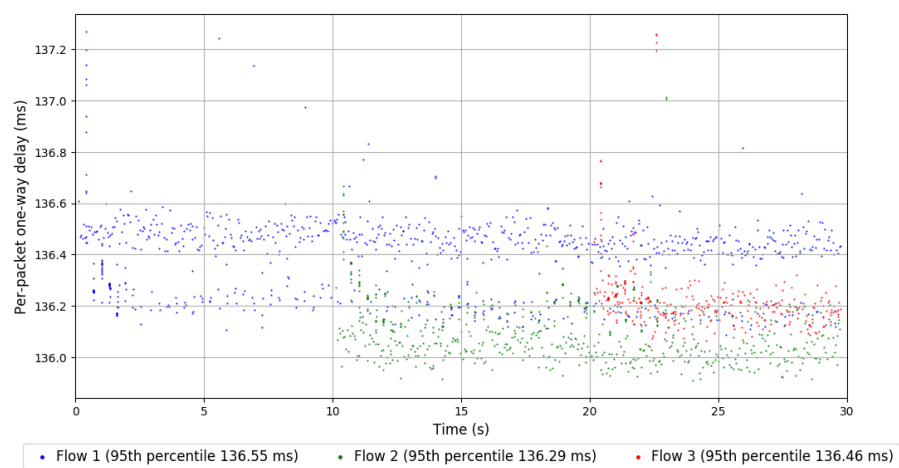
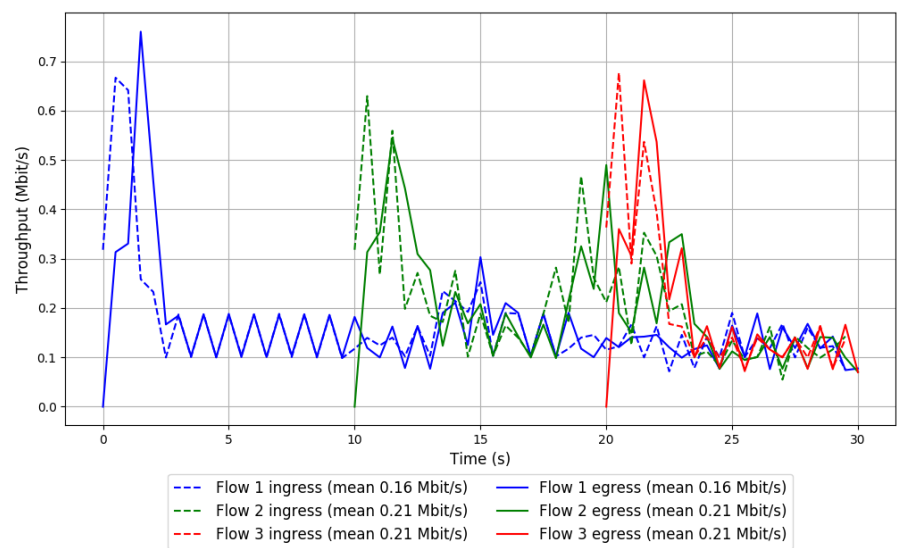


Run 4: Statistics of Sprout

Start at: 2018-07-01 05:38:01
End at: 2018-07-01 05:38:32
Local clock offset: 0.381 ms
Remote clock offset: 0.146 ms

```
# Below is generated by plot.py at 2018-07-01 10:02:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 136.535 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.552 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 136.293 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 136.461 ms
Loss rate: 2.24%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-01 06:03:28

End at: 2018-07-01 06:03:58

Local clock offset: 0.323 ms

Remote clock offset: 0.092 ms

Below is generated by plot.py at 2018-07-01 10:02:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 136.239 ms

Loss rate: 1.46%

-- Flow 1:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 136.222 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 136.159 ms

Loss rate: 2.46%

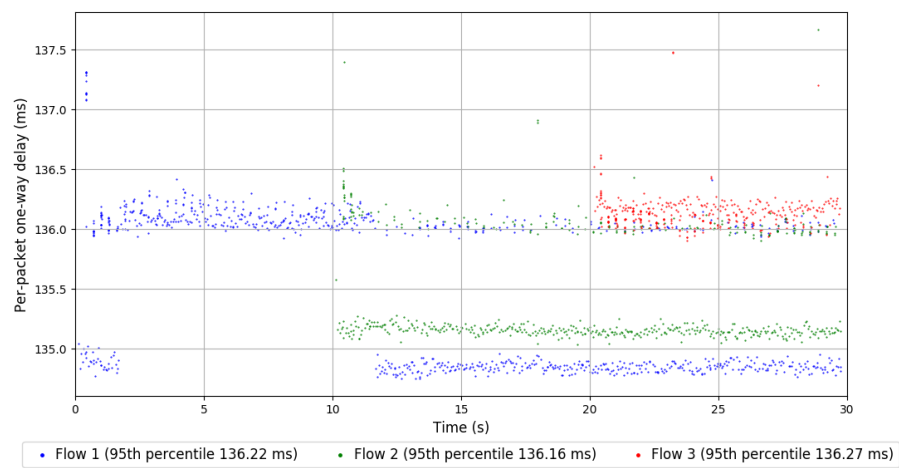
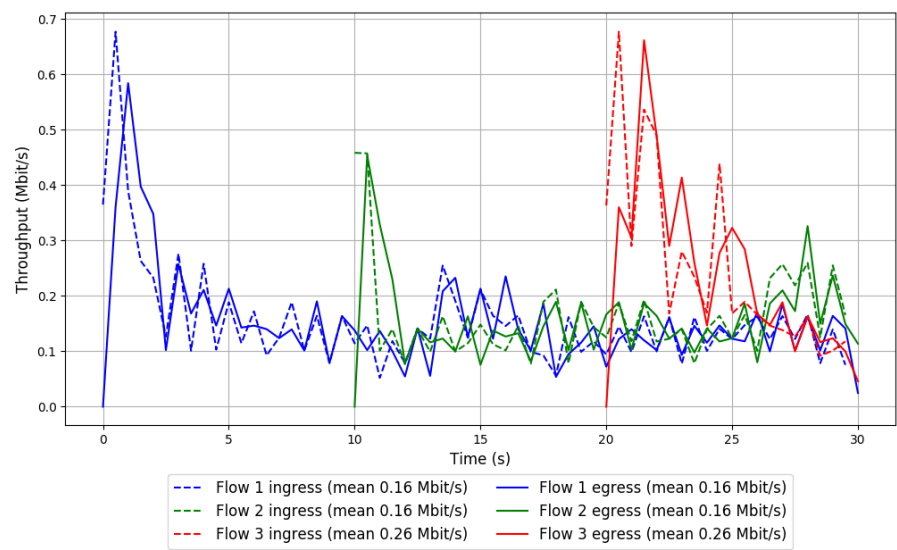
-- Flow 3:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 136.273 ms

Loss rate: 1.83%

Run 5: Report of Sprout — Data Link

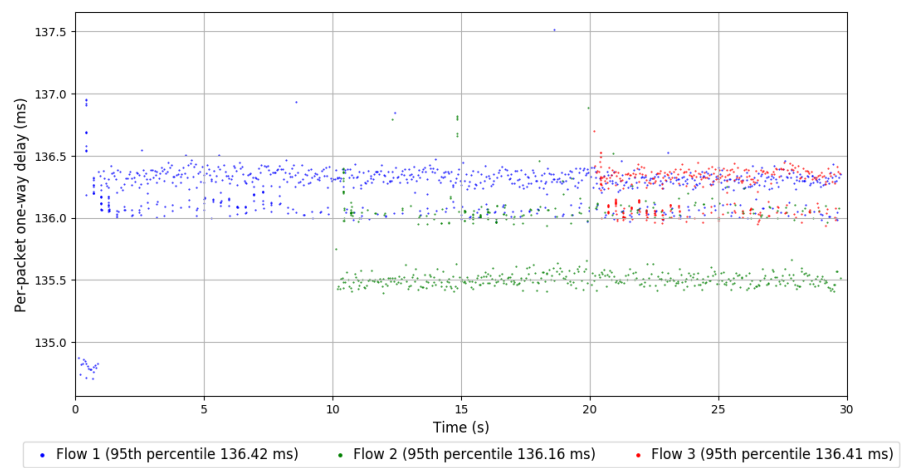
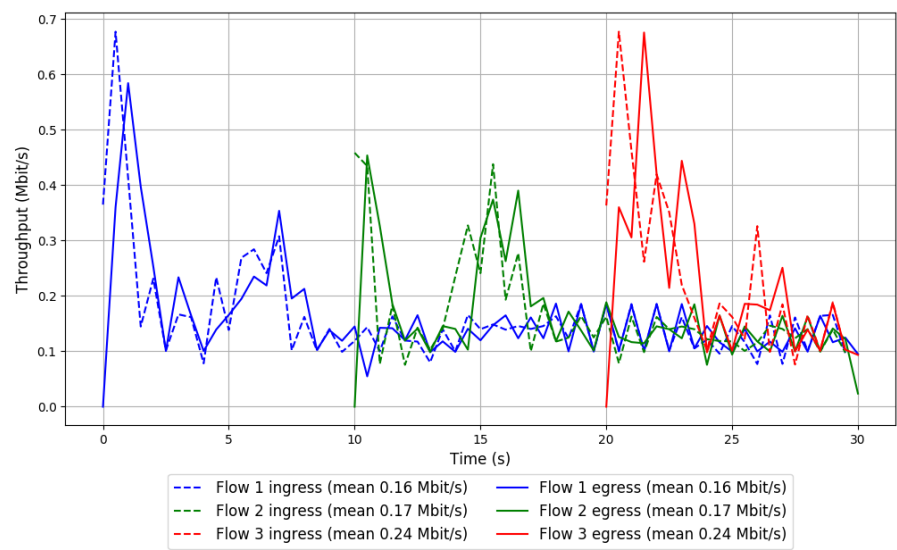


Run 6: Statistics of Sprout

Start at: 2018-07-01 06:29:19
End at: 2018-07-01 06:29:49
Local clock offset: 0.217 ms
Remote clock offset: -0.002 ms

```
# Below is generated by plot.py at 2018-07-01 10:02:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 136.407 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.420 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.160 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 136.410 ms
Loss rate: 2.04%
```

Run 6: Report of Sprout — Data Link

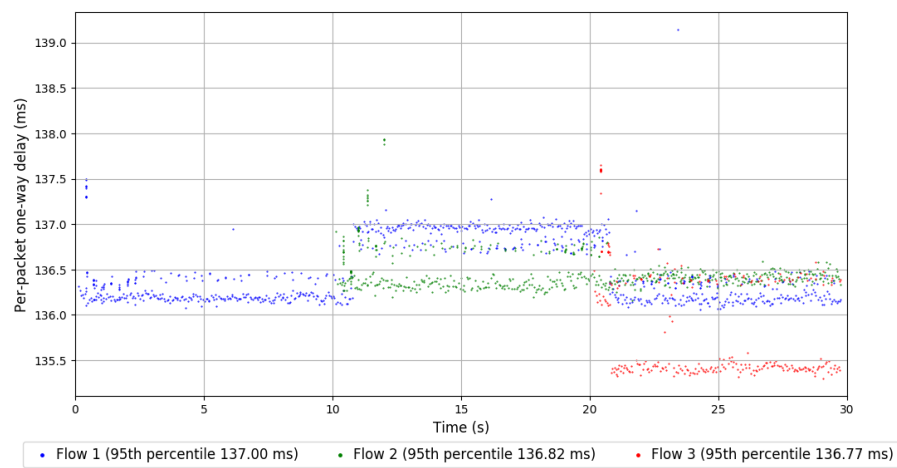
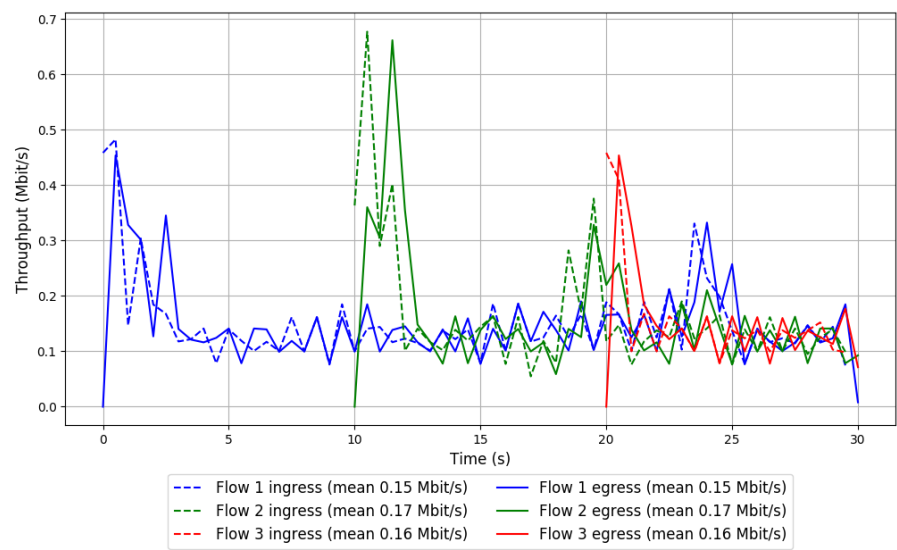


Run 7: Statistics of Sprout

Start at: 2018-07-01 06:55:19
End at: 2018-07-01 06:55:49
Local clock offset: 0.175 ms
Remote clock offset: -0.412 ms

Below is generated by plot.py at 2018-07-01 10:02:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 136.991 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 137.003 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.819 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 136.769 ms
Loss rate: 1.01%

Run 7: Report of Sprout — Data Link

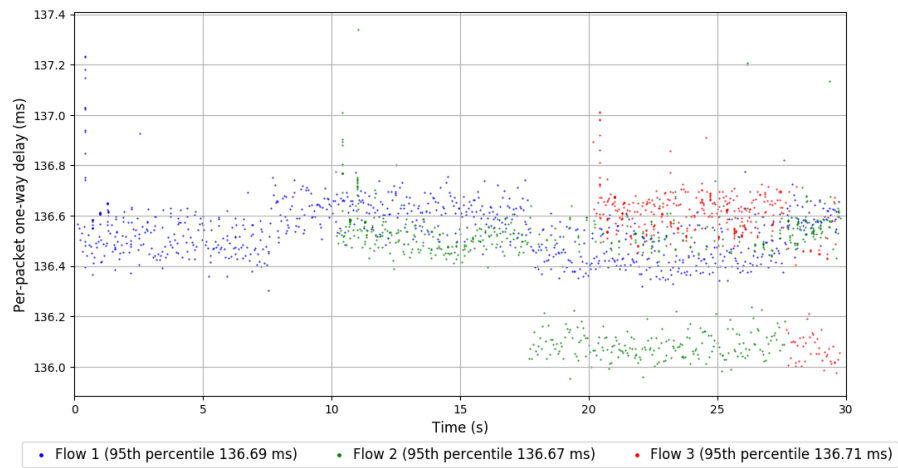
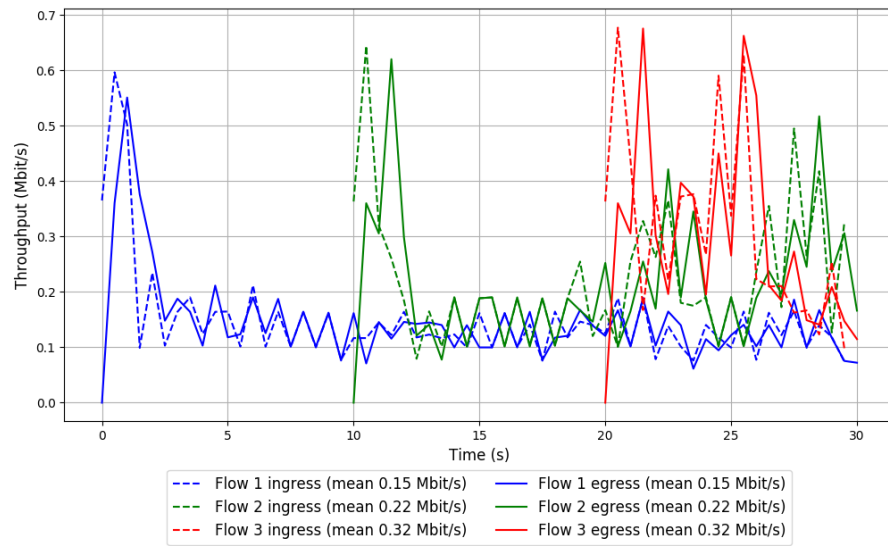


Run 8: Statistics of Sprout

Start at: 2018-07-01 07:20:52
End at: 2018-07-01 07:21:22
Local clock offset: 0.284 ms
Remote clock offset: -0.056 ms

```
# Below is generated by plot.py at 2018-07-01 10:02:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 136.698 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 136.694 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.674 ms
Loss rate: 1.86%
-- Flow 3:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 136.714 ms
Loss rate: 1.51%
```

Run 8: Report of Sprout — Data Link

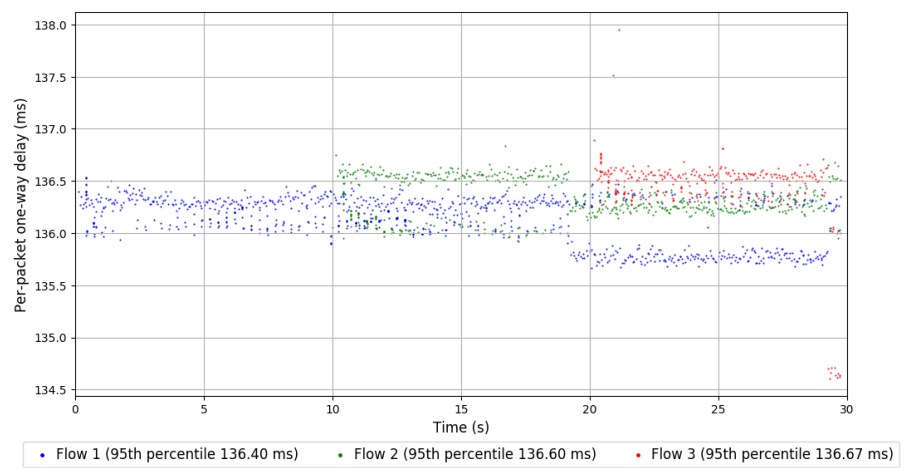
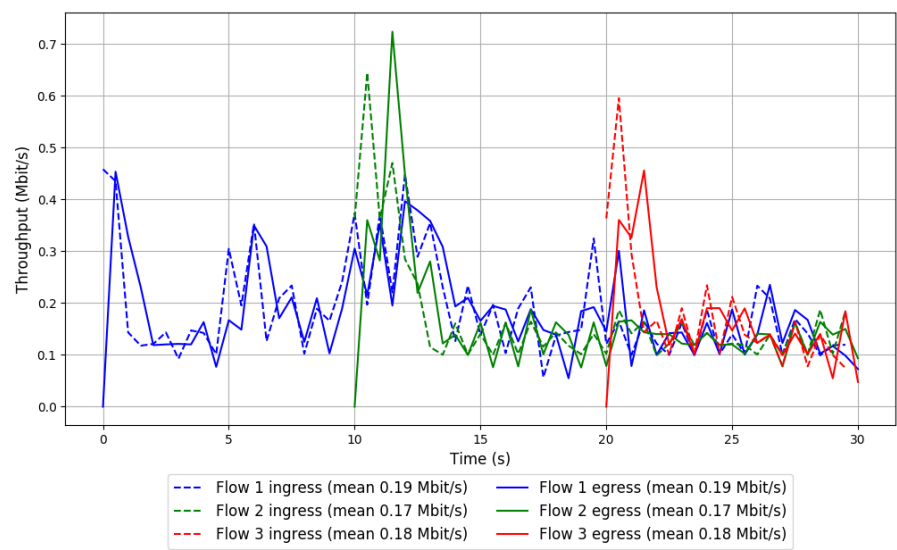


Run 9: Statistics of Sprout

Start at: 2018-07-01 07:46:51
End at: 2018-07-01 07:47:21
Local clock offset: -0.011 ms
Remote clock offset: 0.088 ms

```
# Below is generated by plot.py at 2018-07-01 10:02:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 136.589 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 136.395 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 136.605 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.666 ms
Loss rate: 0.89%
```

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-01 08:12:44

End at: 2018-07-01 08:13:14

Local clock offset: 0.258 ms

Remote clock offset: 0.388 ms

Below is generated by plot.py at 2018-07-01 10:02:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 136.290 ms

Loss rate: 1.23%

-- Flow 1:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 135.957 ms

Loss rate: 0.88%

-- Flow 2:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 135.921 ms

Loss rate: 1.25%

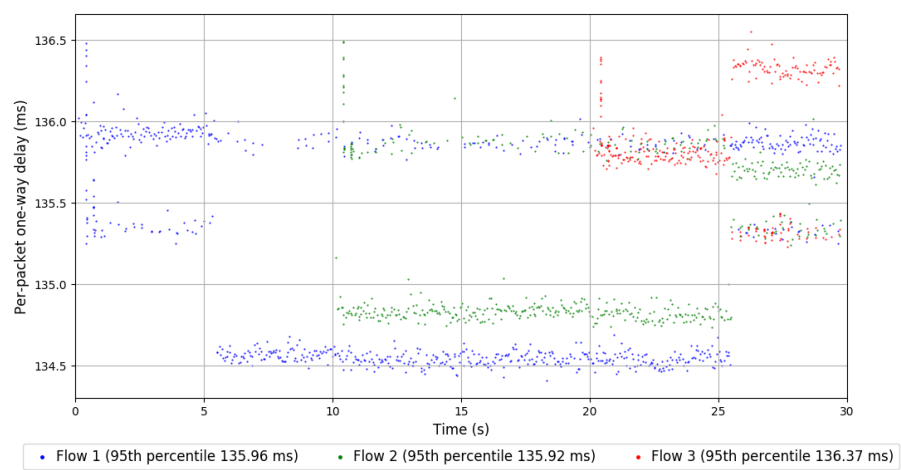
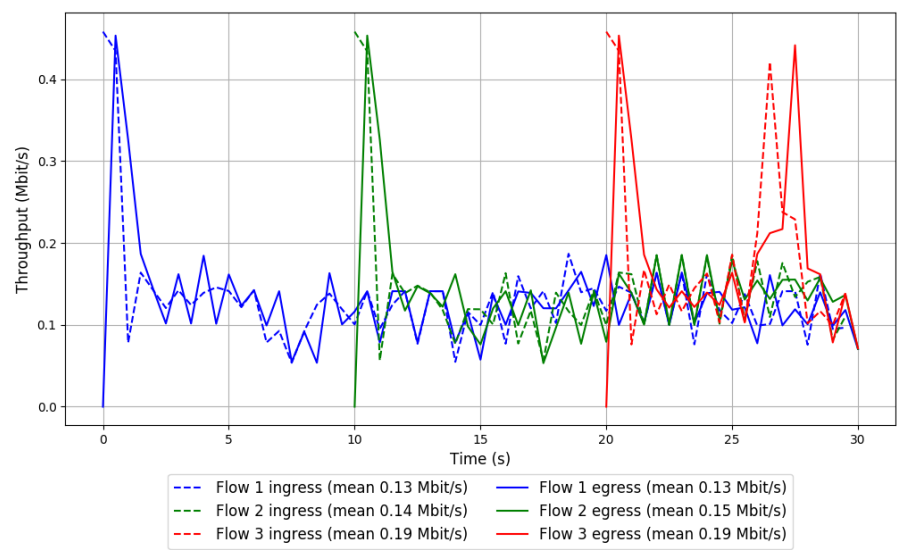
-- Flow 3:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 136.366 ms

Loss rate: 1.91%

Run 10: Report of Sprout — Data Link

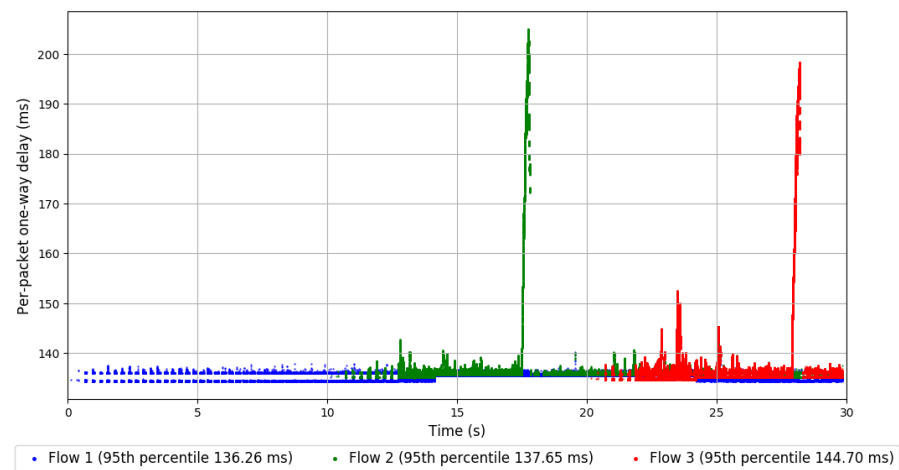
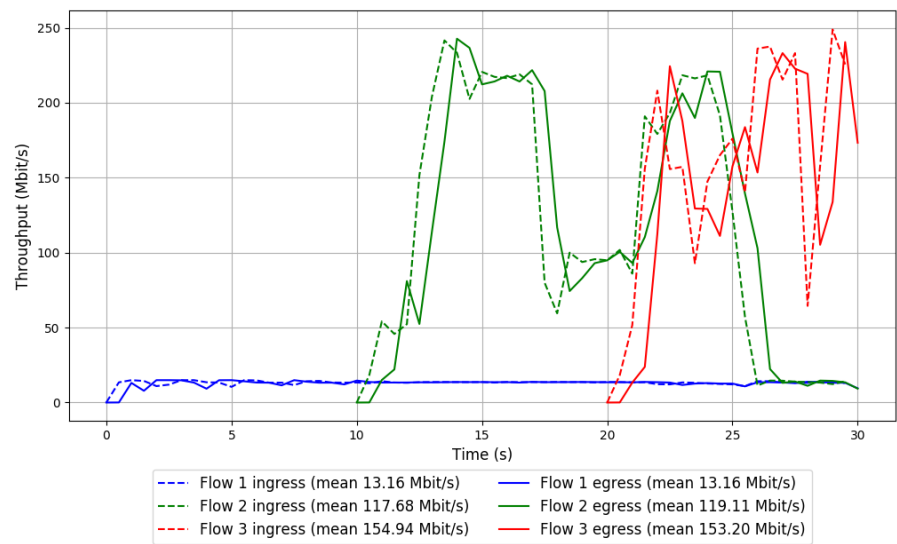


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-01 04:06:26
End at: 2018-07-01 04:06:56
Local clock offset: 0.135 ms
Remote clock offset: 0.137 ms

# Below is generated by plot.py at 2018-07-01 10:03:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 142.10 Mbit/s
95th percentile per-packet one-way delay: 138.447 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 13.16 Mbit/s
95th percentile per-packet one-way delay: 136.256 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 119.11 Mbit/s
95th percentile per-packet one-way delay: 137.654 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 153.20 Mbit/s
95th percentile per-packet one-way delay: 144.699 ms
Loss rate: 3.82%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-01 04:31:51

End at: 2018-07-01 04:32:21

Local clock offset: -0.103 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-01 10:07:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 238.07 Mbit/s

95th percentile per-packet one-way delay: 137.030 ms

Loss rate: 1.11%

-- Flow 1:

Average throughput: 113.97 Mbit/s

95th percentile per-packet one-way delay: 136.843 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 181.02 Mbit/s

95th percentile per-packet one-way delay: 137.144 ms

Loss rate: 1.38%

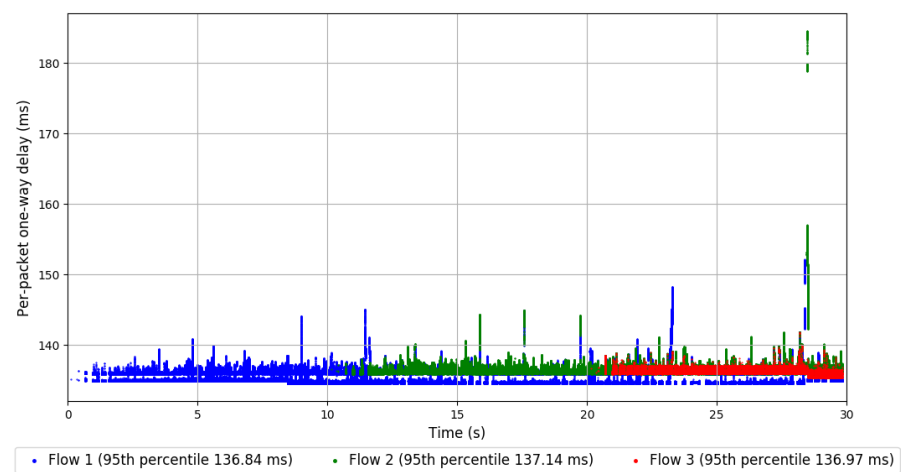
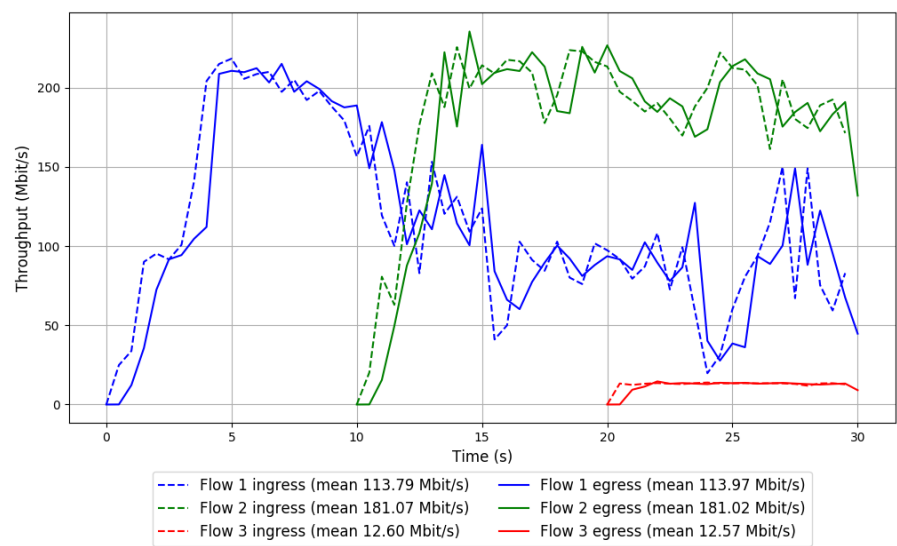
-- Flow 3:

Average throughput: 12.57 Mbit/s

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

Loss rate: 2.97%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-01 04:57:29

End at: 2018-07-01 04:57:59

Local clock offset: -0.057 ms

Remote clock offset: 0.078 ms

Below is generated by plot.py at 2018-07-01 10:07:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 243.38 Mbit/s

95th percentile per-packet one-way delay: 136.949 ms

Loss rate: 1.04%

-- Flow 1:

Average throughput: 183.33 Mbit/s

95th percentile per-packet one-way delay: 136.866 ms

Loss rate: 0.72%

-- Flow 2:

Average throughput: 13.16 Mbit/s

95th percentile per-packet one-way delay: 136.714 ms

Loss rate: 1.01%

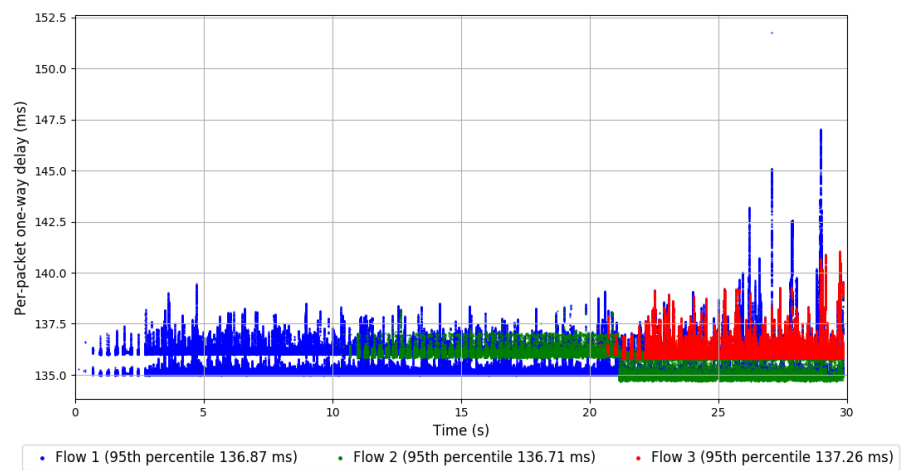
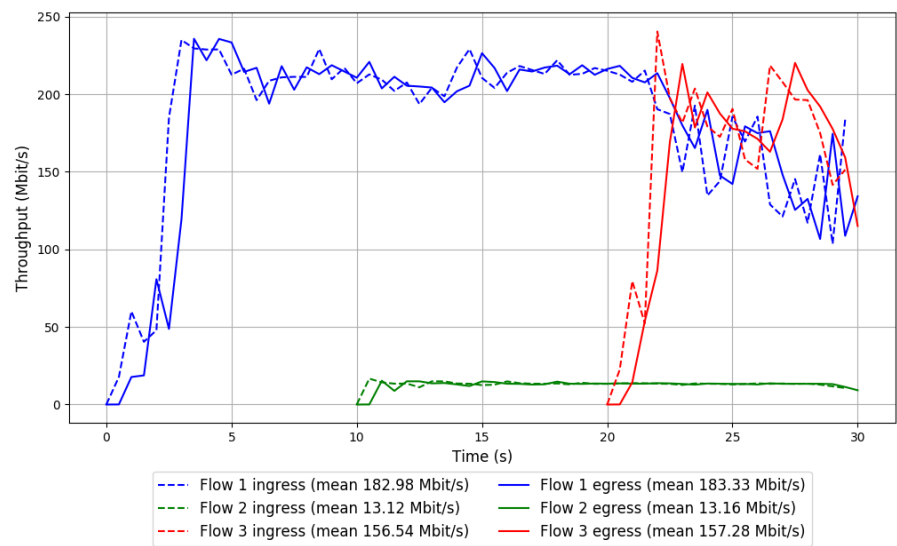
-- Flow 3:

Average throughput: 157.28 Mbit/s

95th percentile per-packet one-way delay: 137.265 ms

Loss rate: 2.18%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-01 05:23:34

End at: 2018-07-01 05:24:04

Local clock offset: -0.033 ms

Remote clock offset: 0.078 ms

Below is generated by plot.py at 2018-07-01 10:07:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.35 Mbit/s

95th percentile per-packet one-way delay: 136.306 ms

Loss rate: 3.08%

-- Flow 1:

Average throughput: 13.32 Mbit/s

95th percentile per-packet one-way delay: 136.230 ms

Loss rate: 0.93%

-- Flow 2:

Average throughput: 13.18 Mbit/s

95th percentile per-packet one-way delay: 136.254 ms

Loss rate: 1.44%

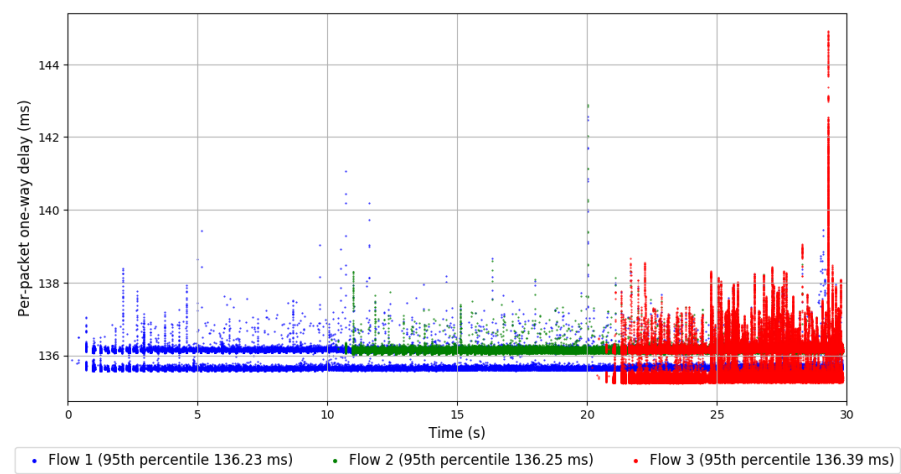
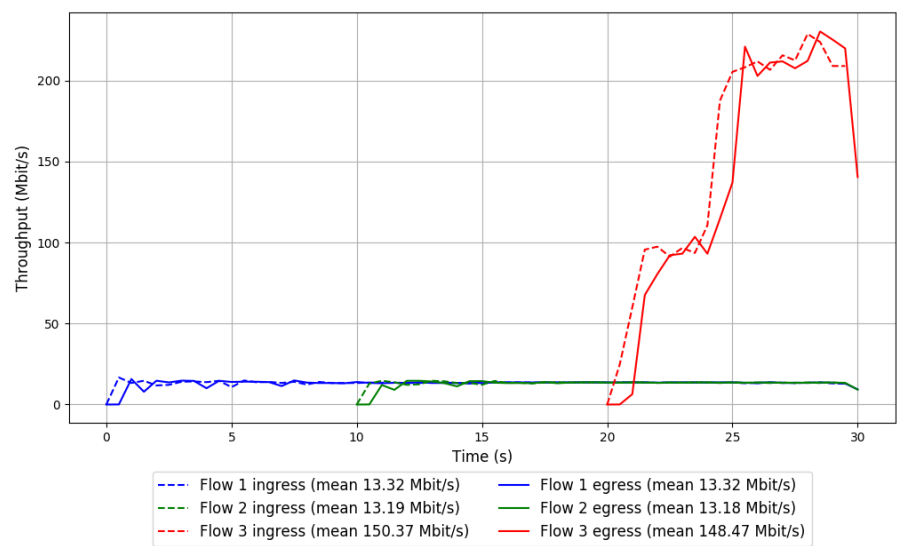
-- Flow 3:

Average throughput: 148.47 Mbit/s

95th percentile per-packet one-way delay: 136.389 ms

Loss rate: 3.94%

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

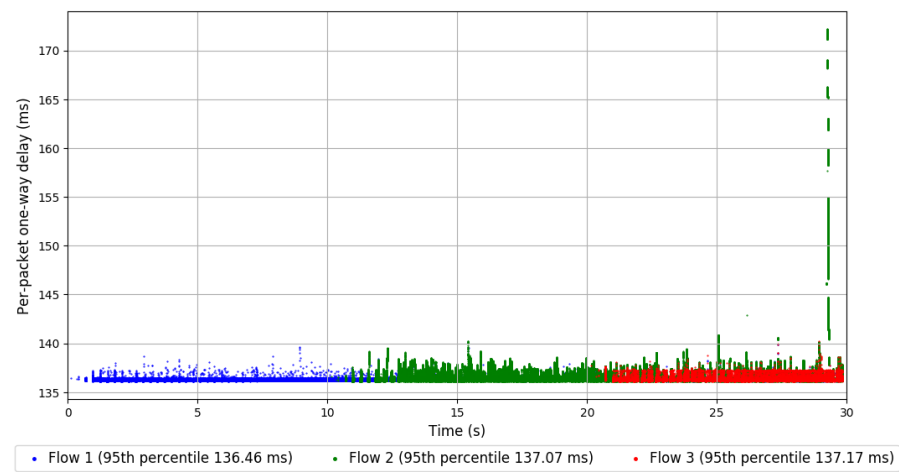
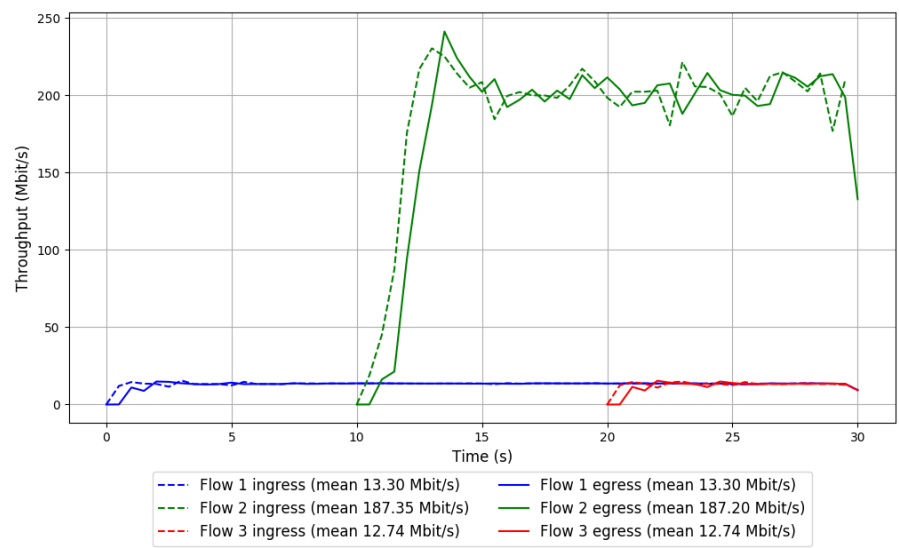


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-01 05:49:09
End at: 2018-07-01 05:49:39
Local clock offset: 0.225 ms
Remote clock offset: -0.323 ms

Below is generated by plot.py at 2018-07-01 10:07:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 141.58 Mbit/s
95th percentile per-packet one-way delay: 137.030 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 13.30 Mbit/s
95th percentile per-packet one-way delay: 136.460 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 187.20 Mbit/s
95th percentile per-packet one-way delay: 137.071 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 12.74 Mbit/s
95th percentile per-packet one-way delay: 137.174 ms
Loss rate: 2.80%

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

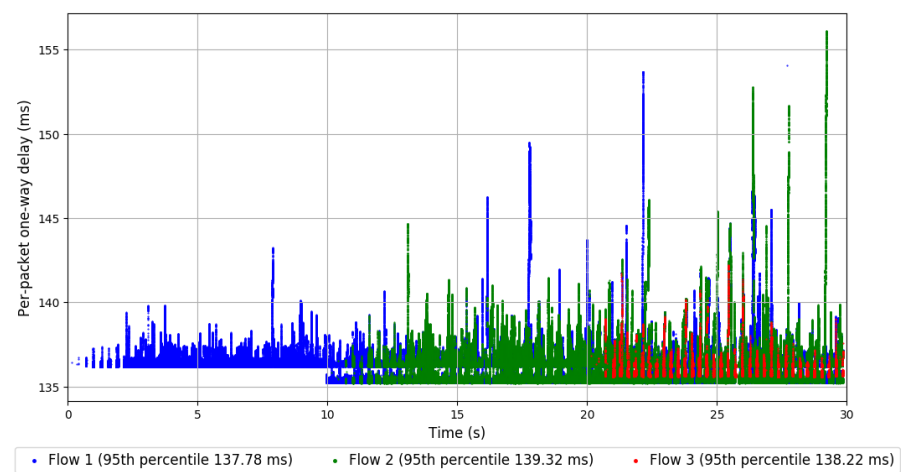
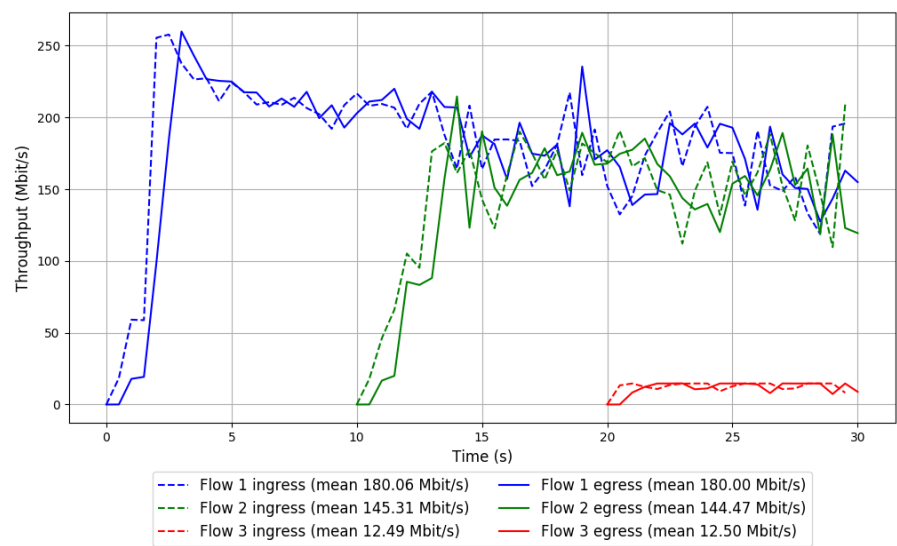


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-01 06:14:40
End at: 2018-07-01 06:15:10
Local clock offset: 0.194 ms
Remote clock offset: -0.269 ms

Below is generated by plot.py at 2018-07-01 10:09:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 279.89 Mbit/s
95th percentile per-packet one-way delay: 138.516 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 180.00 Mbit/s
95th percentile per-packet one-way delay: 137.778 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 144.47 Mbit/s
95th percentile per-packet one-way delay: 139.318 ms
Loss rate: 1.94%
-- Flow 3:
Average throughput: 12.50 Mbit/s
95th percentile per-packet one-way delay: 138.225 ms
Loss rate: 2.70%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-01 06:40:45

End at: 2018-07-01 06:41:15

Local clock offset: 0.189 ms

Remote clock offset: 0.362 ms

Below is generated by plot.py at 2018-07-01 10:09:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 266.56 Mbit/s

95th percentile per-packet one-way delay: 141.788 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 134.92 Mbit/s

95th percentile per-packet one-way delay: 142.440 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 155.53 Mbit/s

95th percentile per-packet one-way delay: 142.219 ms

Loss rate: 0.96%

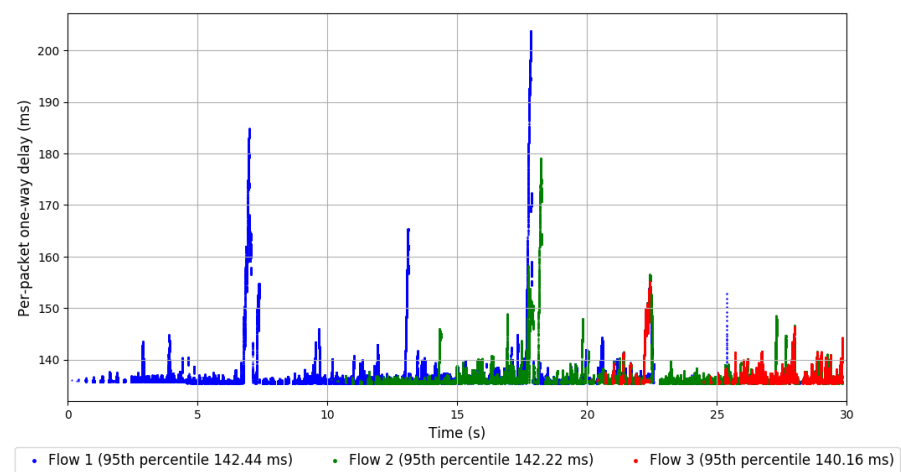
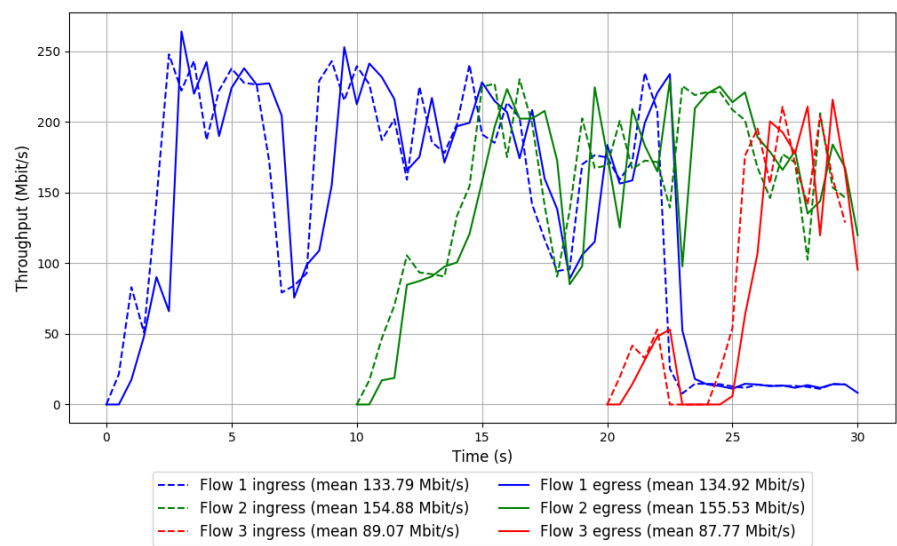
-- Flow 3:

Average throughput: 87.77 Mbit/s

95th percentile per-packet one-way delay: 140.161 ms

Loss rate: 3.87%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-01 07:06:27

End at: 2018-07-01 07:06:57

Local clock offset: 0.307 ms

Remote clock offset: 0.338 ms

Below is generated by plot.py at 2018-07-01 10:09:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 142.70 Mbit/s

95th percentile per-packet one-way delay: 137.791 ms

Loss rate: 1.23%

-- Flow 1:

Average throughput: 12.77 Mbit/s

95th percentile per-packet one-way delay: 136.712 ms

Loss rate: 0.74%

-- Flow 2:

Average throughput: 189.69 Mbit/s

95th percentile per-packet one-way delay: 138.070 ms

Loss rate: 1.23%

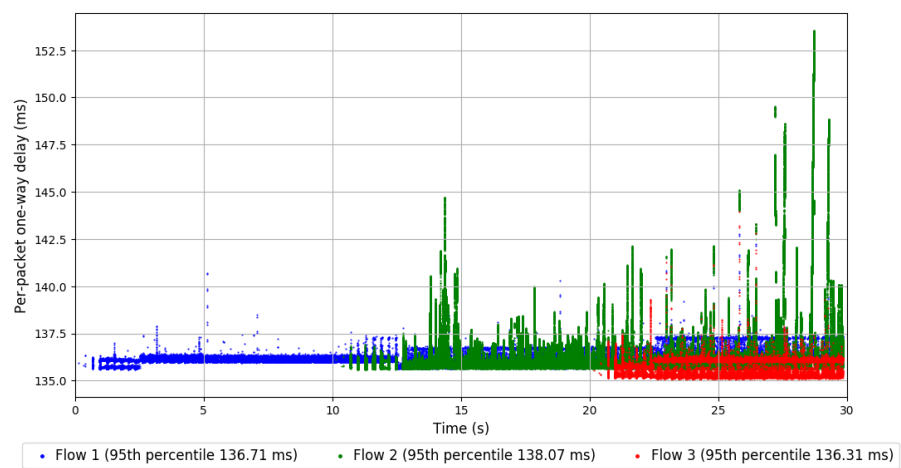
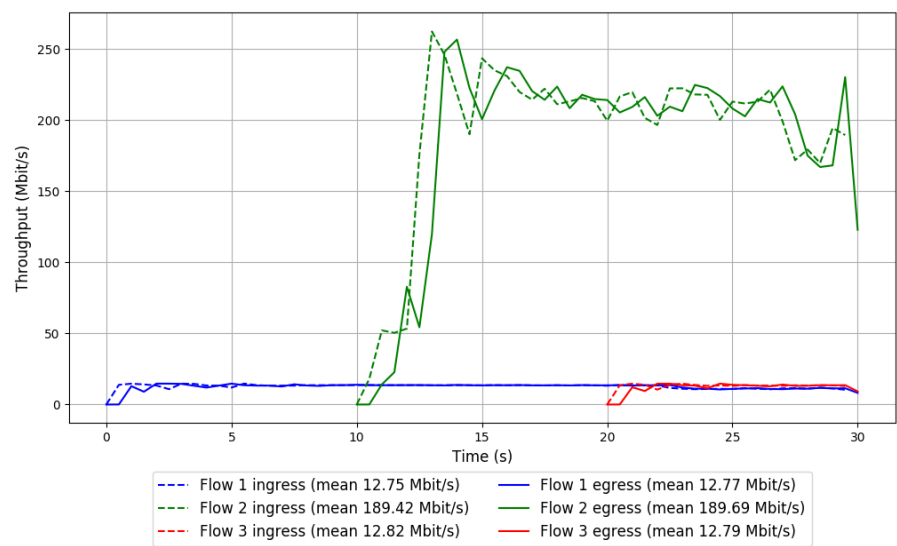
-- Flow 3:

Average throughput: 12.79 Mbit/s

95th percentile per-packet one-way delay: 136.309 ms

Loss rate: 2.92%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-01 07:32:05

End at: 2018-07-01 07:32:35

Local clock offset: -0.057 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-01 10:14:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 314.09 Mbit/s

95th percentile per-packet one-way delay: 140.456 ms

Loss rate: 0.93%

-- Flow 1:

Average throughput: 186.89 Mbit/s

95th percentile per-packet one-way delay: 140.413 ms

Loss rate: 0.78%

-- Flow 2:

Average throughput: 185.60 Mbit/s

95th percentile per-packet one-way delay: 140.606 ms

Loss rate: 1.10%

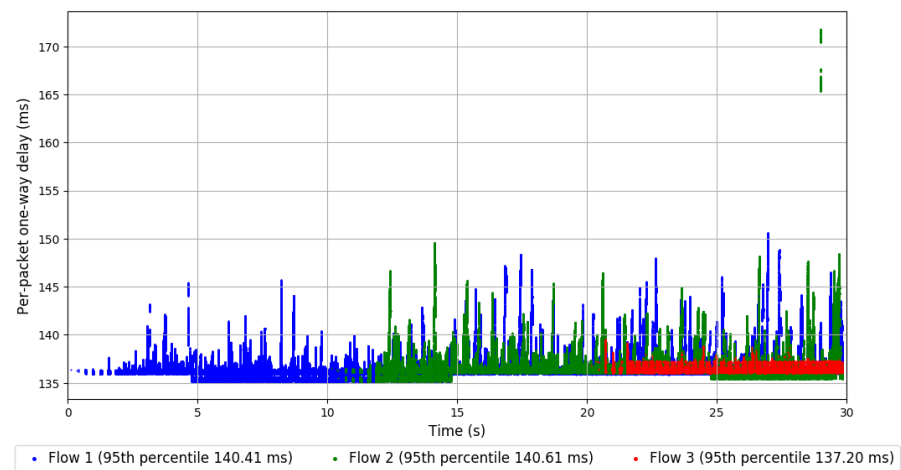
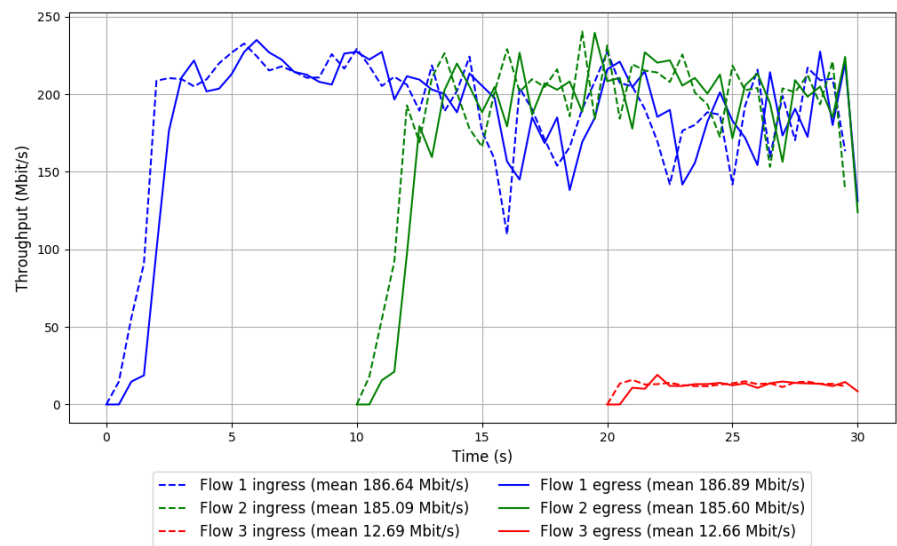
-- Flow 3:

Average throughput: 12.66 Mbit/s

95th percentile per-packet one-way delay: 137.201 ms

Loss rate: 2.94%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-01 07:58:05

End at: 2018-07-01 07:58:35

Local clock offset: -0.105 ms

Remote clock offset: 0.511 ms

Below is generated by plot.py at 2018-07-01 10:14:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 213.71 Mbit/s

95th percentile per-packet one-way delay: 138.787 ms

Loss rate: 1.18%

-- Flow 1:

Average throughput: 200.76 Mbit/s

95th percentile per-packet one-way delay: 138.887 ms

Loss rate: 1.13%

-- Flow 2:

Average throughput: 13.26 Mbit/s

95th percentile per-packet one-way delay: 135.851 ms

Loss rate: 1.42%

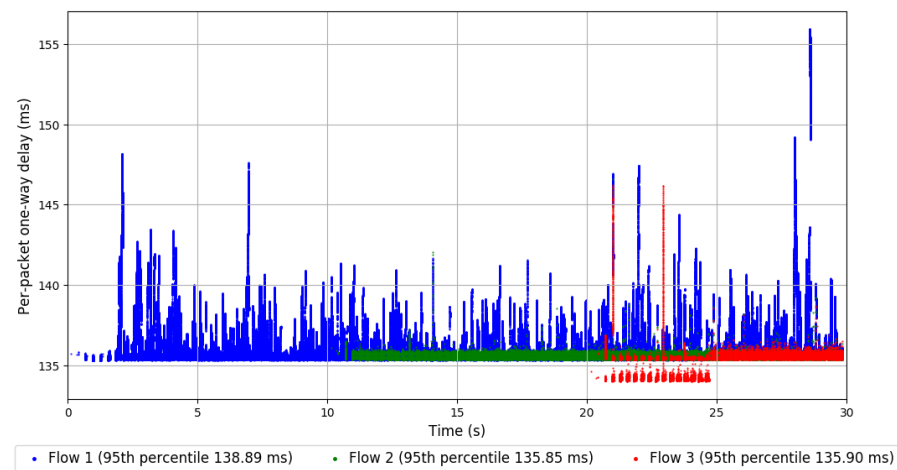
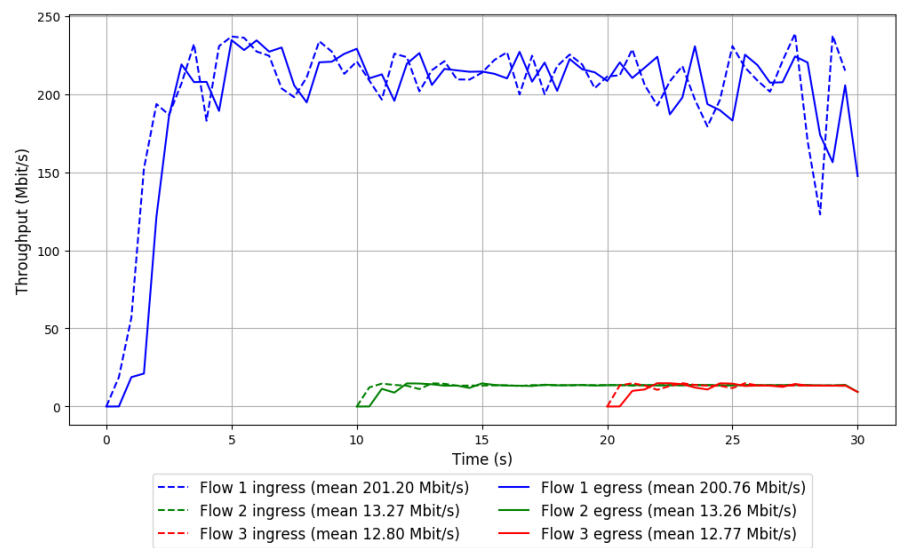
-- Flow 3:

Average throughput: 12.77 Mbit/s

95th percentile per-packet one-way delay: 135.904 ms

Loss rate: 2.93%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-01 04:12:08

End at: 2018-07-01 04:12:38

Local clock offset: 0.162 ms

Remote clock offset: 0.094 ms

Below is generated by plot.py at 2018-07-01 10:14:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.50 Mbit/s

95th percentile per-packet one-way delay: 145.160 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 19.59 Mbit/s

95th percentile per-packet one-way delay: 146.250 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 23.39 Mbit/s

95th percentile per-packet one-way delay: 137.446 ms

Loss rate: 0.58%

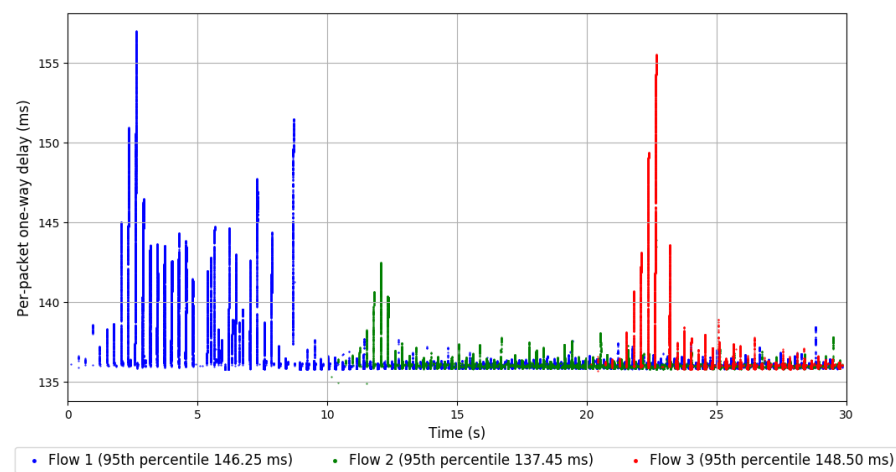
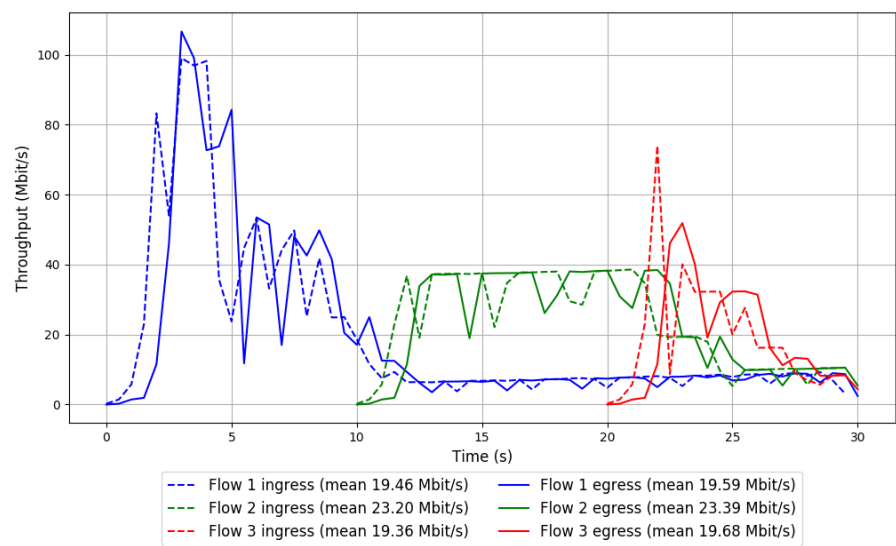
-- Flow 3:

Average throughput: 19.68 Mbit/s

95th percentile per-packet one-way delay: 148.500 ms

Loss rate: 1.14%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-01 04:37:52

End at: 2018-07-01 04:38:22

Local clock offset: -0.021 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-07-01 10:14:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.59 Mbit/s

95th percentile per-packet one-way delay: 144.546 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 12.74 Mbit/s

95th percentile per-packet one-way delay: 141.117 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 39.05 Mbit/s

95th percentile per-packet one-way delay: 145.201 ms

Loss rate: 0.27%

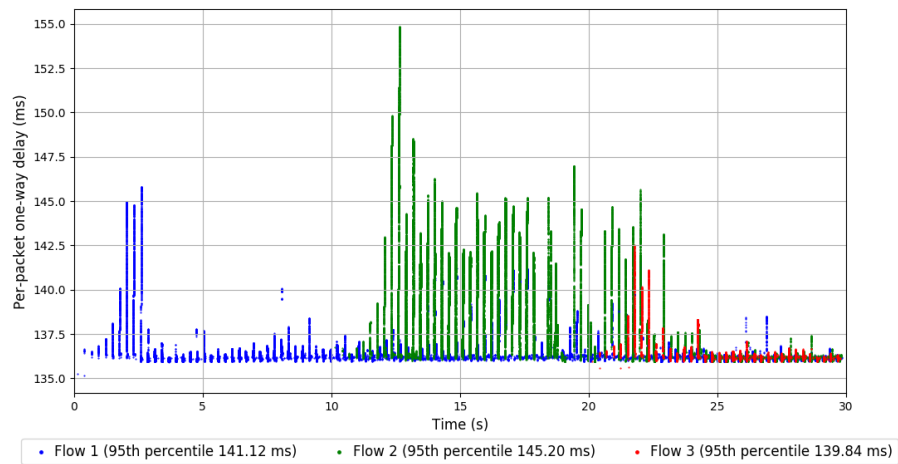
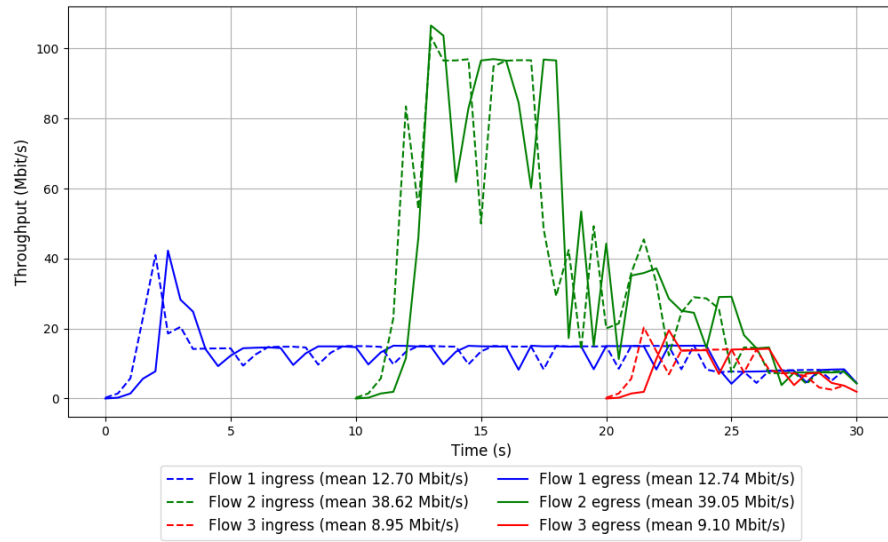
-- Flow 3:

Average throughput: 9.10 Mbit/s

95th percentile per-packet one-way delay: 139.844 ms

Loss rate: 1.12%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-01 05:03:33

End at: 2018-07-01 05:04:03

Local clock offset: -0.224 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-07-01 10:14:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 42.72 Mbit/s

95th percentile per-packet one-way delay: 140.066 ms

Loss rate: 1.21%

-- Flow 1:

Average throughput: 8.10 Mbit/s

95th percentile per-packet one-way delay: 139.235 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 32.55 Mbit/s

95th percentile per-packet one-way delay: 139.922 ms

Loss rate: 1.53%

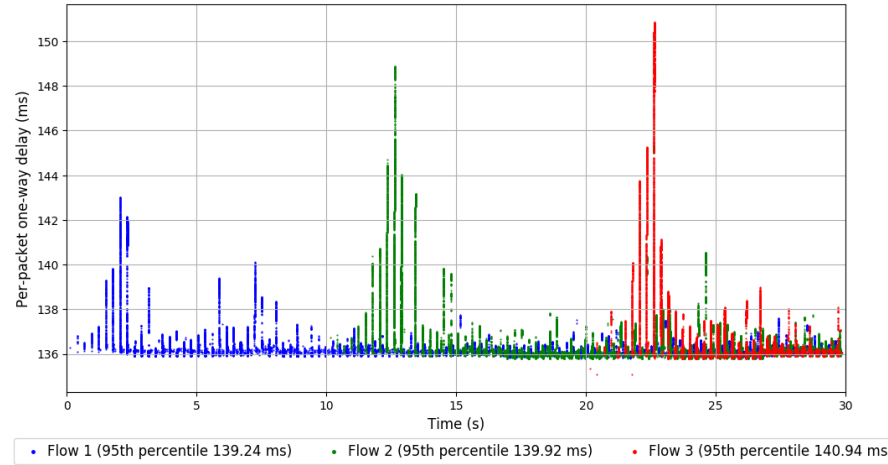
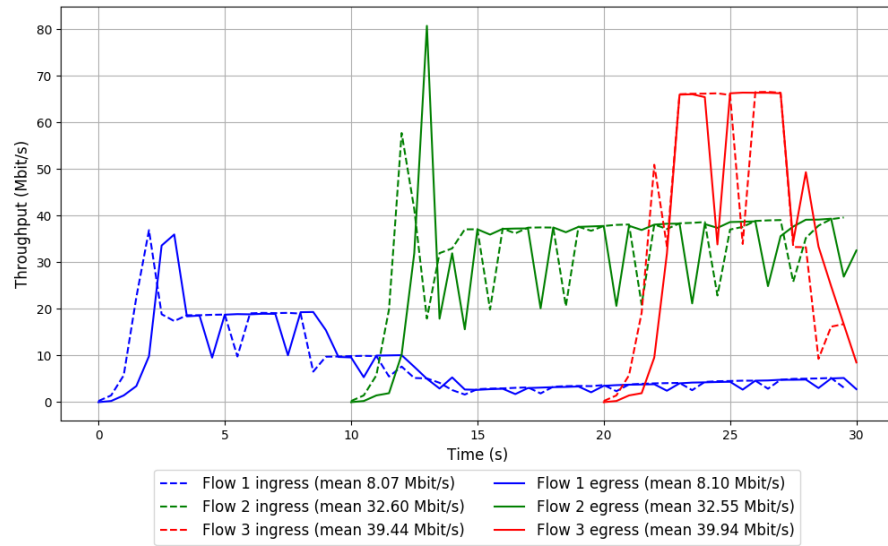
-- Flow 3:

Average throughput: 39.94 Mbit/s

95th percentile per-packet one-way delay: 140.942 ms

Loss rate: 1.08%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-01 05:29:16

End at: 2018-07-01 05:29:46

Local clock offset: 0.232 ms

Remote clock offset: 0.455 ms

Below is generated by plot.py at 2018-07-01 10:14:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 32.02 Mbit/s

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

Loss rate: 1.11%

-- Flow 1:

Average throughput: 9.85 Mbit/s

95th percentile per-packet one-way delay: 146.508 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 20.15 Mbit/s

95th percentile per-packet one-way delay: 143.078 ms

Loss rate: 0.58%

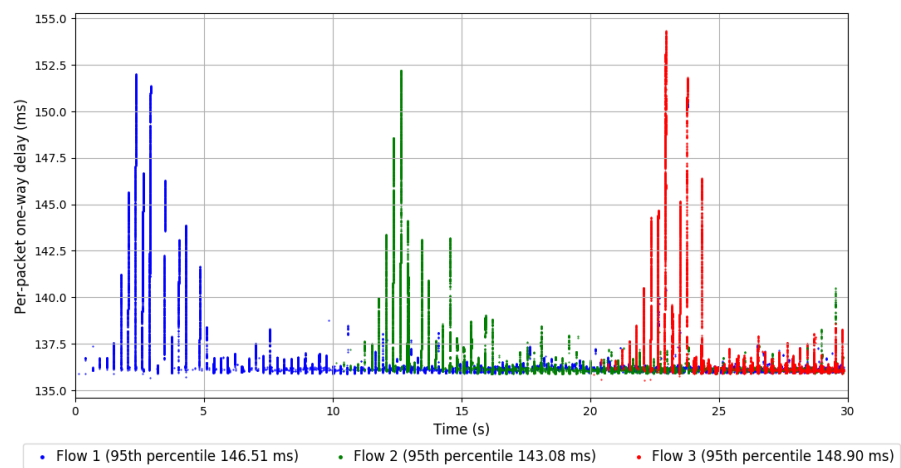
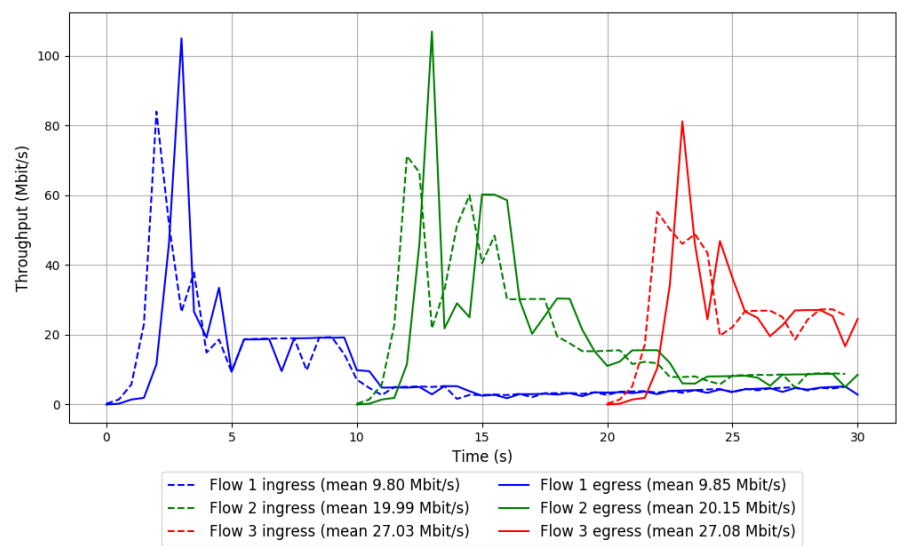
-- Flow 3:

Average throughput: 27.08 Mbit/s

95th percentile per-packet one-way delay: 148.901 ms

Loss rate: 2.56%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-01 05:54:53

End at: 2018-07-01 05:55:23

Local clock offset: 0.253 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-07-01 10:14:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 46.86 Mbit/s

95th percentile per-packet one-way delay: 144.161 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 23.49 Mbit/s

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

Loss rate: 0.12%

-- Flow 2:

Average throughput: 15.38 Mbit/s

95th percentile per-packet one-way delay: 140.091 ms

Loss rate: 0.32%

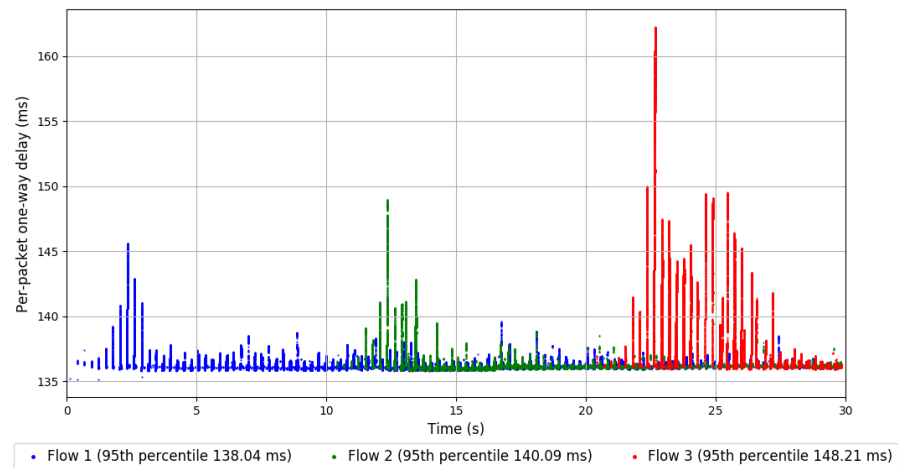
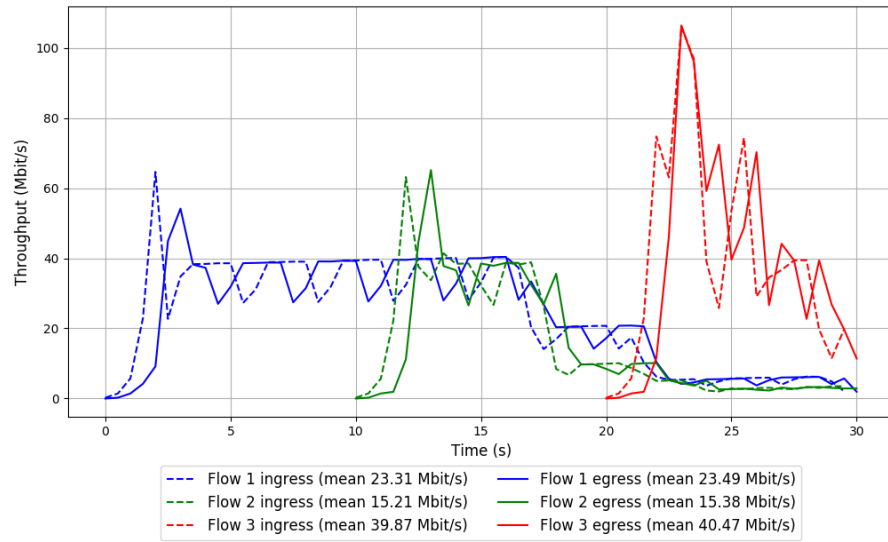
-- Flow 3:

Average throughput: 40.47 Mbit/s

95th percentile per-packet one-way delay: 148.206 ms

Loss rate: 1.27%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-01 06:20:42

End at: 2018-07-01 06:21:12

Local clock offset: 0.229 ms

Remote clock offset: 0.084 ms

Below is generated by plot.py at 2018-07-01 10:14:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 33.85 Mbit/s

95th percentile per-packet one-way delay: 146.131 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 15.20 Mbit/s

95th percentile per-packet one-way delay: 148.915 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 18.87 Mbit/s

95th percentile per-packet one-way delay: 146.068 ms

Loss rate: 0.26%

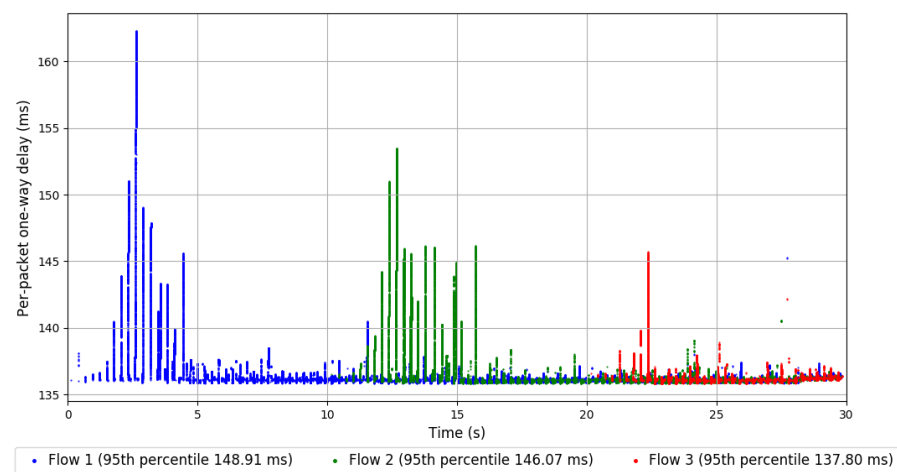
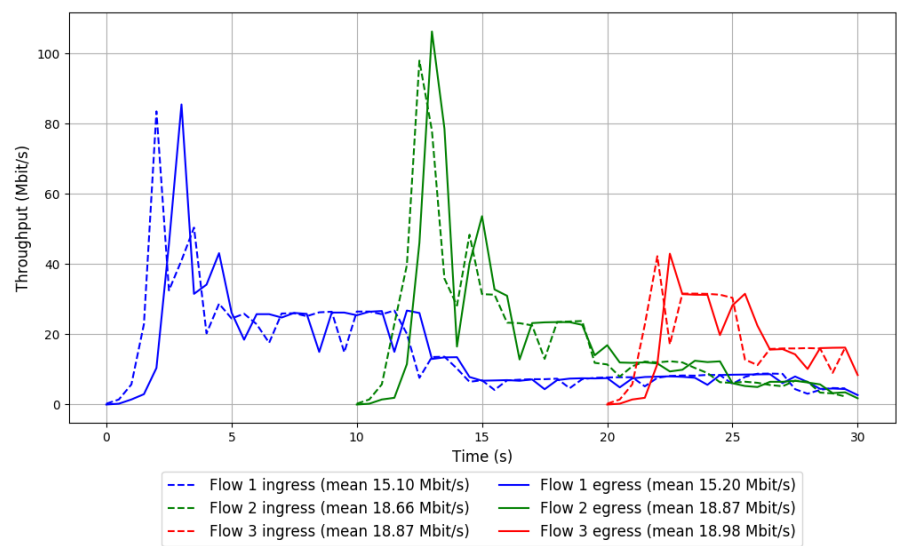
-- Flow 3:

Average throughput: 18.98 Mbit/s

95th percentile per-packet one-way delay: 137.800 ms

Loss rate: 2.21%

Run 6: Report of TCP Vegas — Data Link

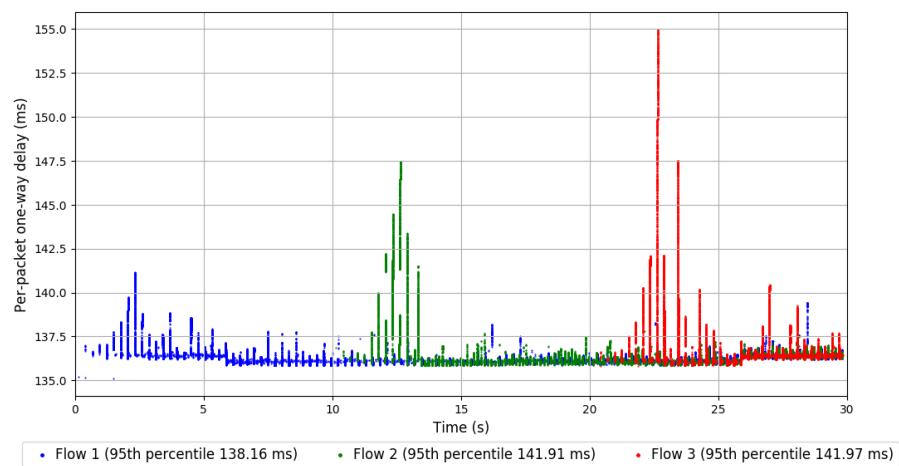
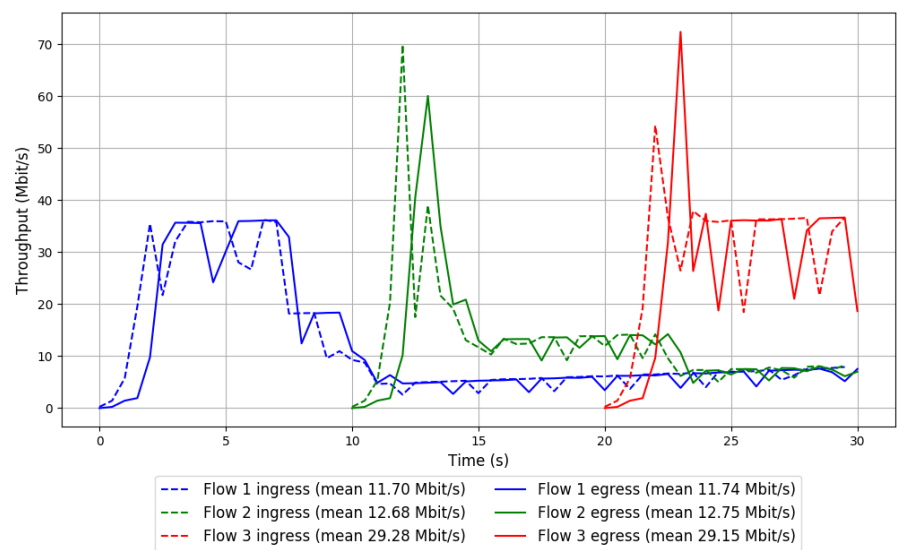


Run 7: Statistics of TCP Vegas

Start at: 2018-07-01 06:46:44
End at: 2018-07-01 06:47:14
Local clock offset: 0.218 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-01 10:14:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.68 Mbit/s
95th percentile per-packet one-way delay: 141.054 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 11.74 Mbit/s
95th percentile per-packet one-way delay: 138.155 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 12.75 Mbit/s
95th percentile per-packet one-way delay: 141.914 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 29.15 Mbit/s
95th percentile per-packet one-way delay: 141.969 ms
Loss rate: 3.17%

Run 7: Report of TCP Vegas — Data Link

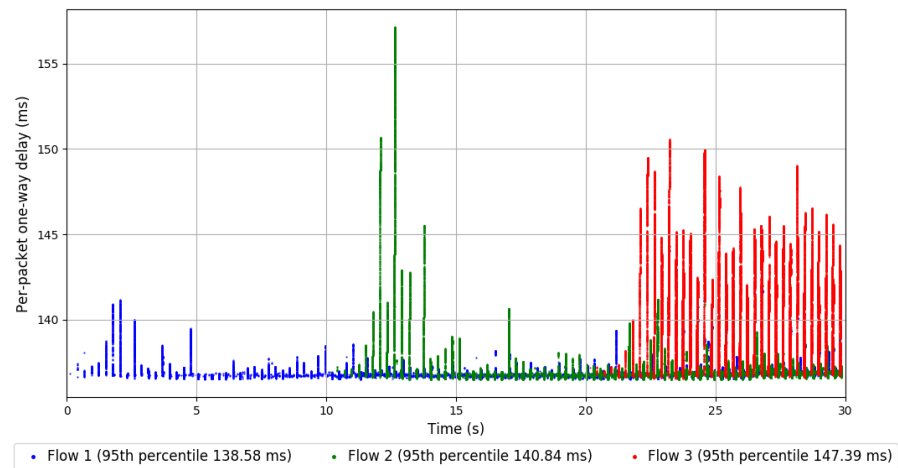
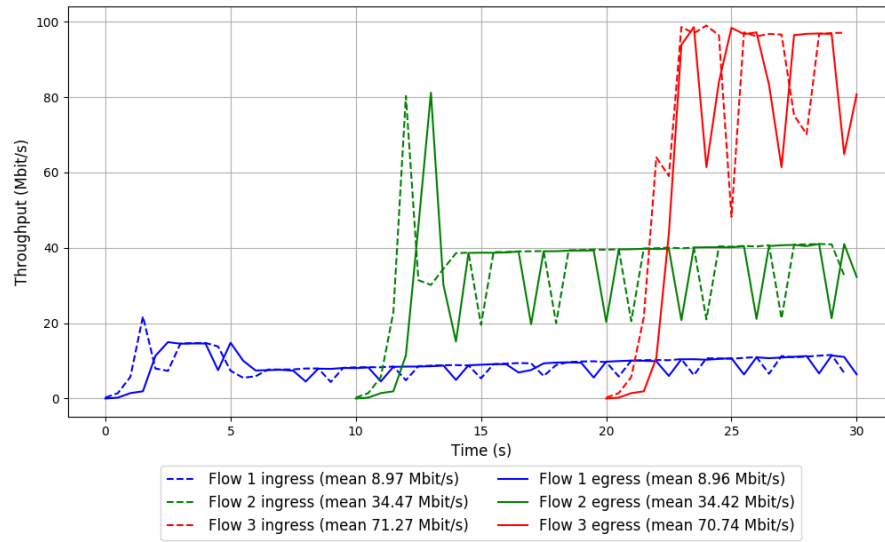


Run 8: Statistics of TCP Vegas

Start at: 2018-07-01 07:12:13
End at: 2018-07-01 07:12:43
Local clock offset: 0.062 ms
Remote clock offset: -0.451 ms

Below is generated by plot.py at 2018-07-01 10:14:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.76 Mbit/s
95th percentile per-packet one-way delay: 145.616 ms
Loss rate: 2.26%
-- Flow 1:
Average throughput: 8.96 Mbit/s
95th percentile per-packet one-way delay: 138.576 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 34.42 Mbit/s
95th percentile per-packet one-way delay: 140.837 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 70.74 Mbit/s
95th percentile per-packet one-way delay: 147.391 ms
Loss rate: 3.43%

Run 8: Report of TCP Vegas — Data Link

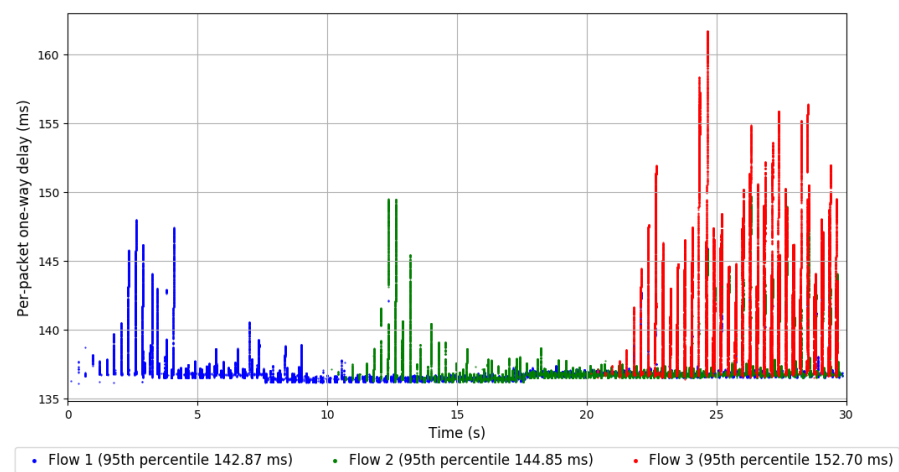
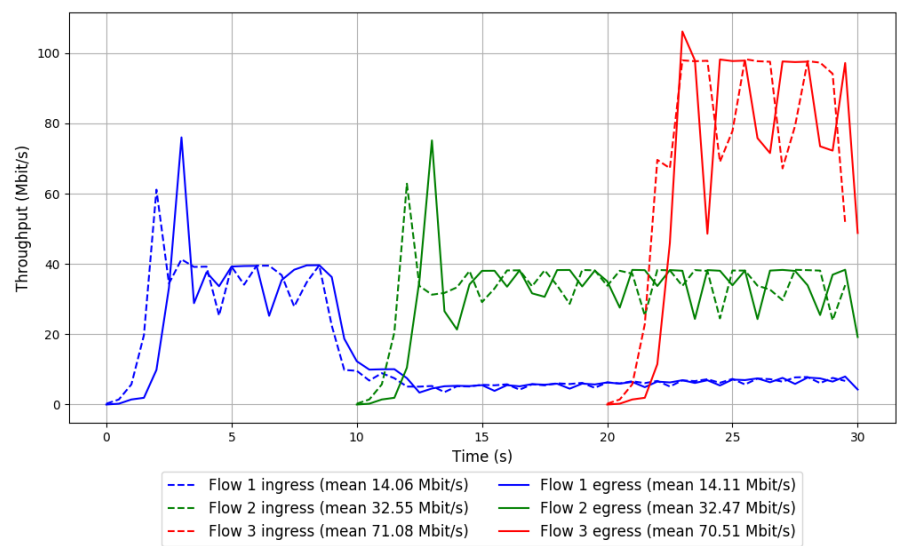


Run 9: Statistics of TCP Vegas

Start at: 2018-07-01 07:38:12
End at: 2018-07-01 07:38:42
Local clock offset: -0.013 ms
Remote clock offset: -0.362 ms

Below is generated by plot.py at 2018-07-01 10:14:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.18 Mbit/s
95th percentile per-packet one-way delay: 148.714 ms
Loss rate: 2.05%
-- Flow 1:
Average throughput: 14.11 Mbit/s
95th percentile per-packet one-way delay: 142.866 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 32.47 Mbit/s
95th percentile per-packet one-way delay: 144.850 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 70.51 Mbit/s
95th percentile per-packet one-way delay: 152.697 ms
Loss rate: 3.53%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-01 08:04:03

End at: 2018-07-01 08:04:33

Local clock offset: 0.103 ms

Remote clock offset: 0.107 ms

Below is generated by plot.py at 2018-07-01 10:14:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.33 Mbit/s

95th percentile per-packet one-way delay: 139.825 ms

Loss rate: 1.08%

-- Flow 1:

Average throughput: 6.31 Mbit/s

95th percentile per-packet one-way delay: 138.041 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 9.45 Mbit/s

95th percentile per-packet one-way delay: 137.365 ms

Loss rate: 1.13%

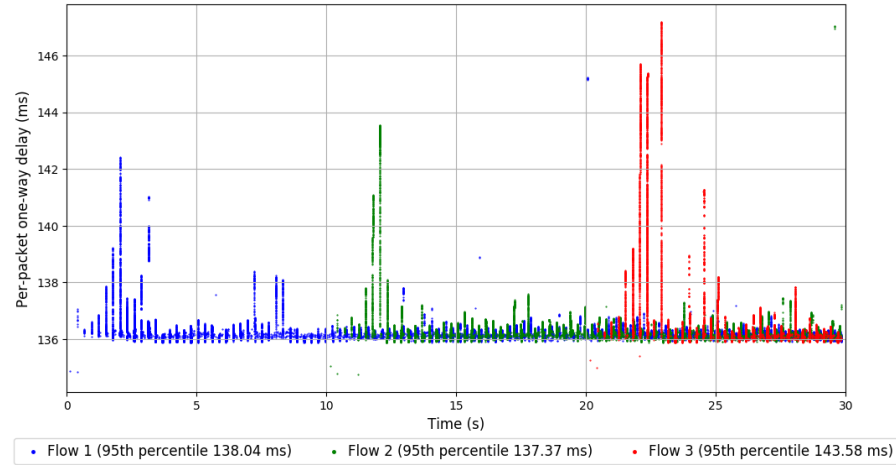
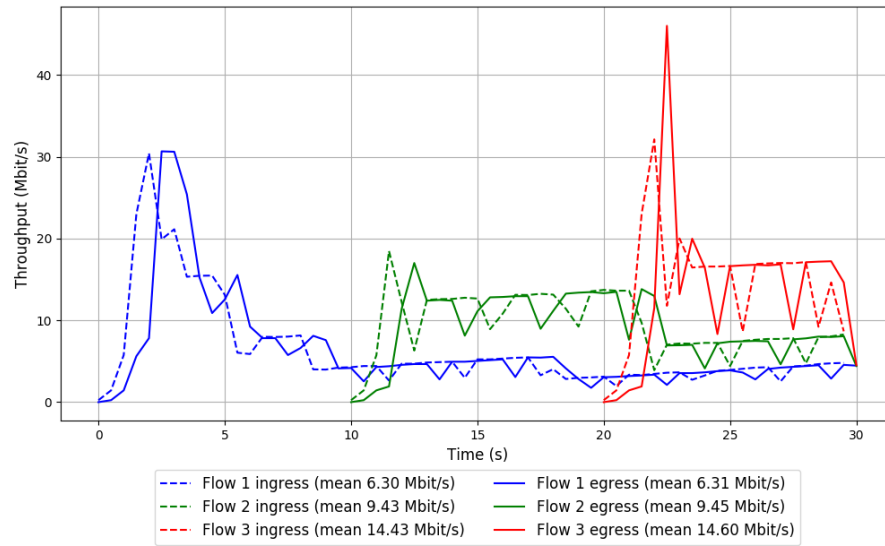
-- Flow 3:

Average throughput: 14.60 Mbit/s

95th percentile per-packet one-way delay: 143.582 ms

Loss rate: 1.55%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-01 04:09:18

End at: 2018-07-01 04:09:48

Local clock offset: 0.053 ms

Remote clock offset: 0.071 ms

Below is generated by plot.py at 2018-07-01 10:14:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 139.79 Mbit/s

95th percentile per-packet one-way delay: 192.081 ms

Loss rate: 2.81%

-- Flow 1:

Average throughput: 84.03 Mbit/s

95th percentile per-packet one-way delay: 221.603 ms

Loss rate: 4.01%

-- Flow 2:

Average throughput: 58.79 Mbit/s

95th percentile per-packet one-way delay: 158.360 ms

Loss rate: 0.80%

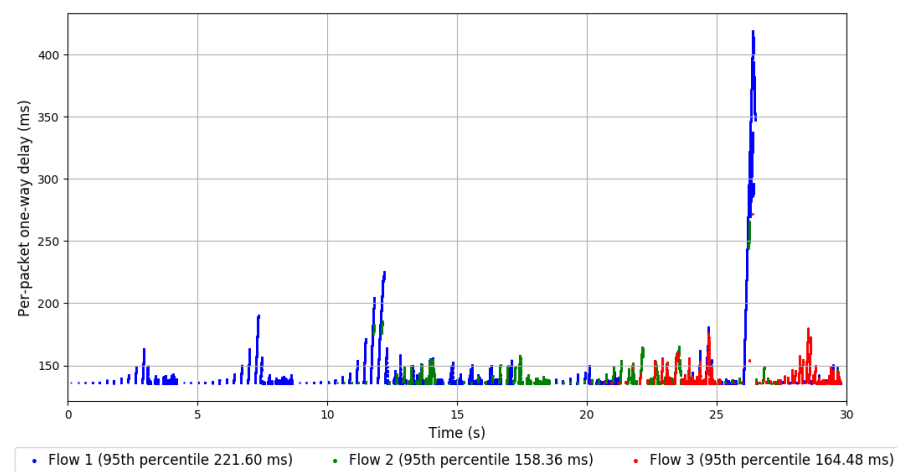
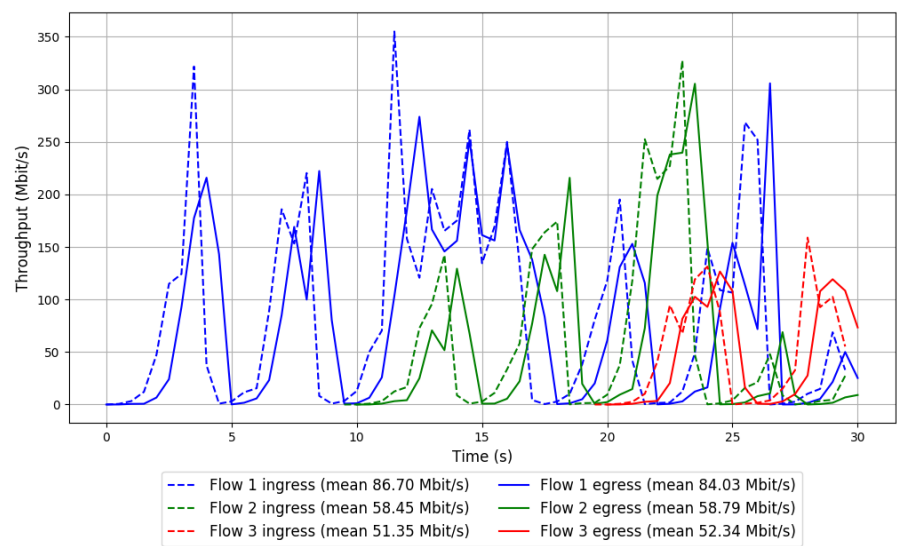
-- Flow 3:

Average throughput: 52.34 Mbit/s

95th percentile per-packet one-way delay: 164.482 ms

Loss rate: 1.28%

Run 1: Report of Verus — Data Link

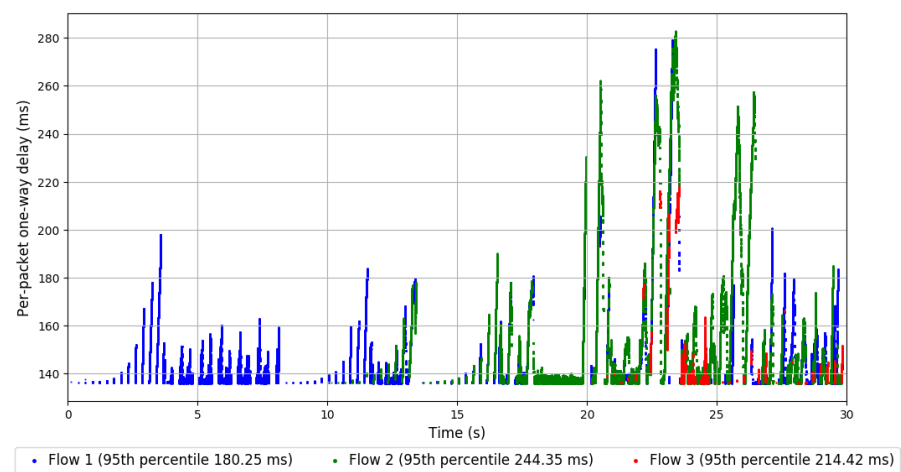
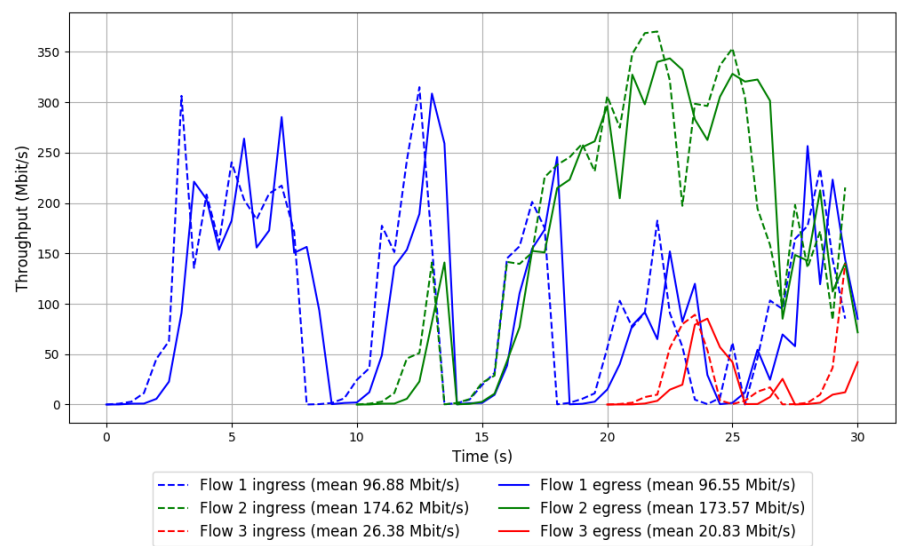


Run 2: Statistics of Verus

Start at: 2018-07-01 04:34:54
End at: 2018-07-01 04:35:24
Local clock offset: -0.029 ms
Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-07-01 10:14:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 218.24 Mbit/s
95th percentile per-packet one-way delay: 234.718 ms
Loss rate: 2.58%
-- Flow 1:
Average throughput: 96.55 Mbit/s
95th percentile per-packet one-way delay: 180.253 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 173.57 Mbit/s
95th percentile per-packet one-way delay: 244.352 ms
Loss rate: 2.13%
-- Flow 3:
Average throughput: 20.83 Mbit/s
95th percentile per-packet one-way delay: 214.418 ms
Loss rate: 23.21%

Run 2: Report of Verus — Data Link

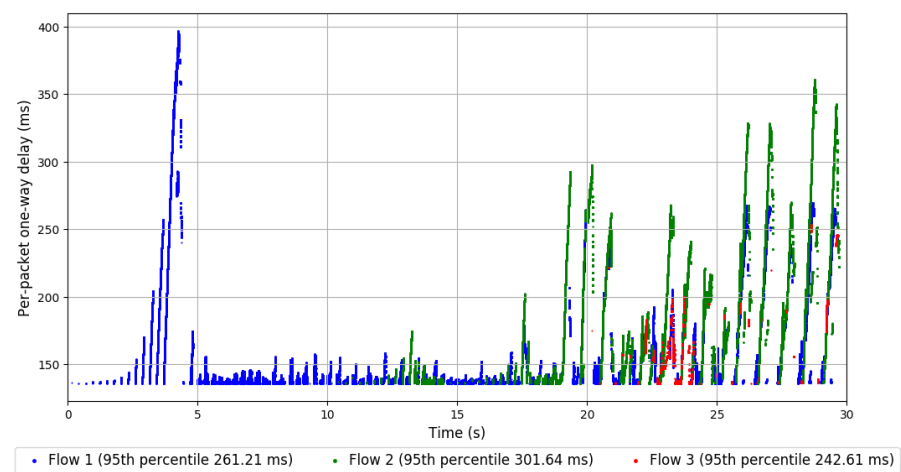
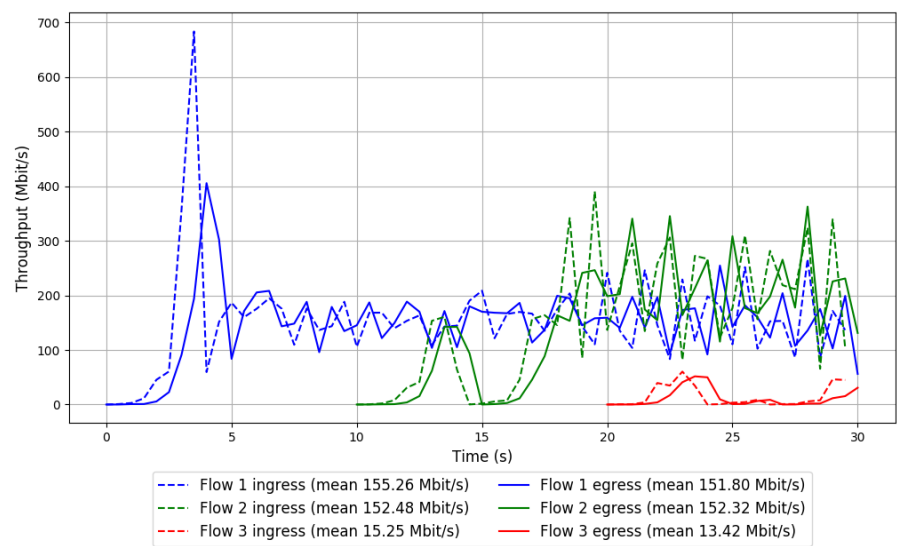


Run 3: Statistics of Verus

Start at: 2018-07-01 05:00:32
End at: 2018-07-01 05:01:02
Local clock offset: -0.193 ms
Remote clock offset: 0.069 ms

Below is generated by plot.py at 2018-07-01 10:14:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 256.47 Mbit/s
95th percentile per-packet one-way delay: 282.885 ms
Loss rate: 3.32%
-- Flow 1:
Average throughput: 151.80 Mbit/s
95th percentile per-packet one-way delay: 261.210 ms
Loss rate: 3.74%
-- Flow 2:
Average throughput: 152.32 Mbit/s
95th percentile per-packet one-way delay: 301.638 ms
Loss rate: 2.11%
-- Flow 3:
Average throughput: 13.42 Mbit/s
95th percentile per-packet one-way delay: 242.606 ms
Loss rate: 15.11%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-01 05:26:17

End at: 2018-07-01 05:26:47

Local clock offset: -0.039 ms

Remote clock offset: -0.32 ms

Below is generated by plot.py at 2018-07-01 10:14:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 229.78 Mbit/s

95th percentile per-packet one-way delay: 364.860 ms

Loss rate: 15.16%

-- Flow 1:

Average throughput: 200.09 Mbit/s

95th percentile per-packet one-way delay: 366.844 ms

Loss rate: 16.91%

-- Flow 2:

Average throughput: 30.19 Mbit/s

95th percentile per-packet one-way delay: 247.545 ms

Loss rate: 1.62%

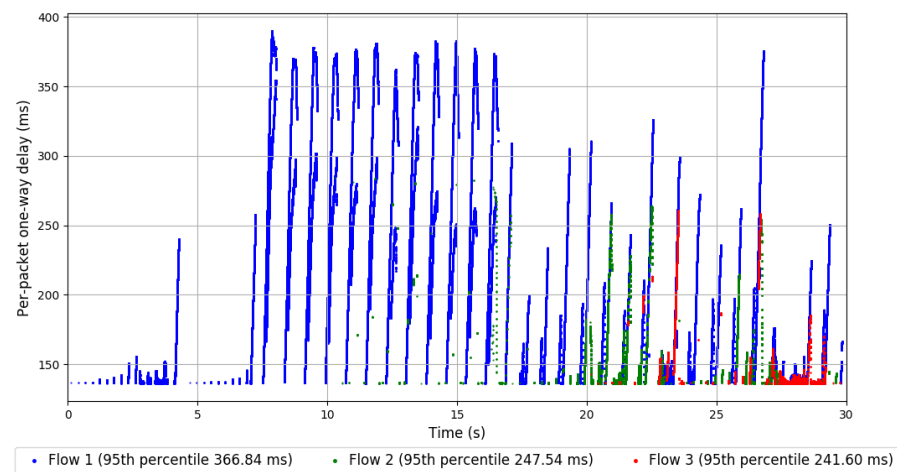
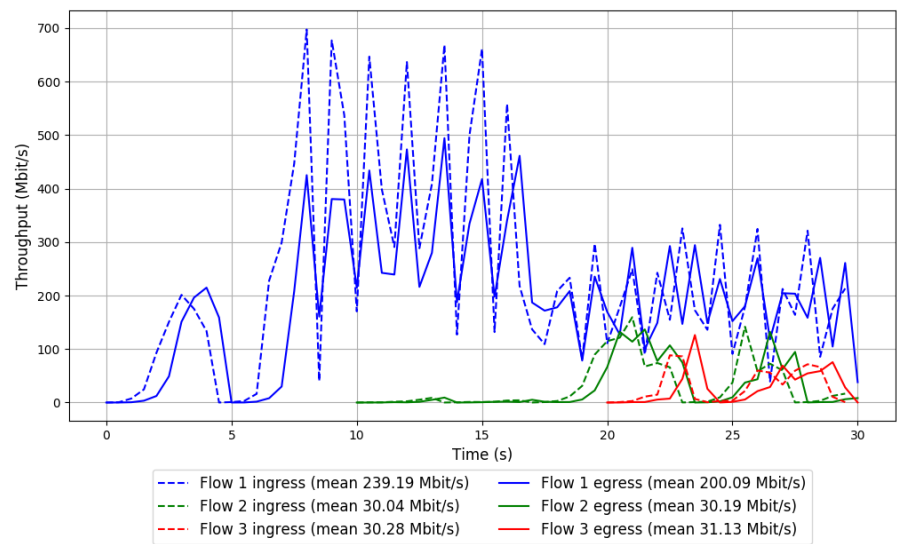
-- Flow 3:

Average throughput: 31.13 Mbit/s

95th percentile per-packet one-way delay: 241.605 ms

Loss rate: 0.09%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-01 05:52:02

End at: 2018-07-01 05:52:32

Local clock offset: 0.155 ms

Remote clock offset: 0.086 ms

Below is generated by plot.py at 2018-07-01 10:14:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 136.12 Mbit/s

95th percentile per-packet one-way delay: 393.332 ms

Loss rate: 17.39%

-- Flow 1:

Average throughput: 100.18 Mbit/s

95th percentile per-packet one-way delay: 401.432 ms

Loss rate: 21.09%

-- Flow 2:

Average throughput: 34.16 Mbit/s

95th percentile per-packet one-way delay: 211.438 ms

Loss rate: 1.50%

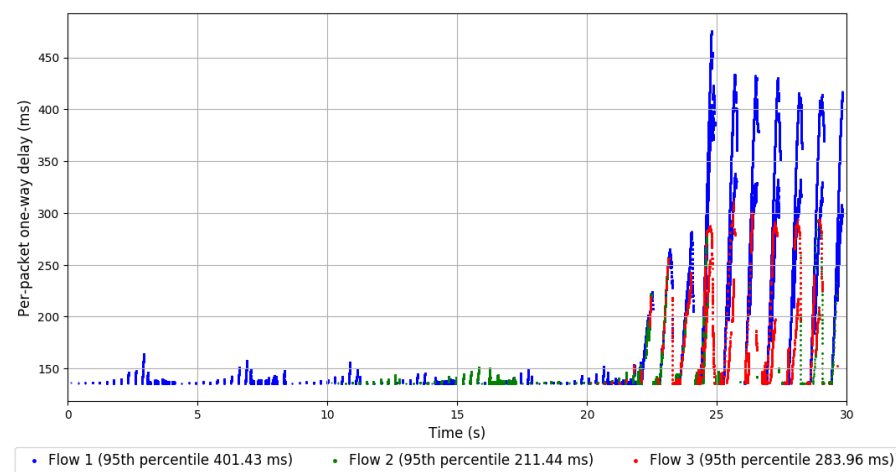
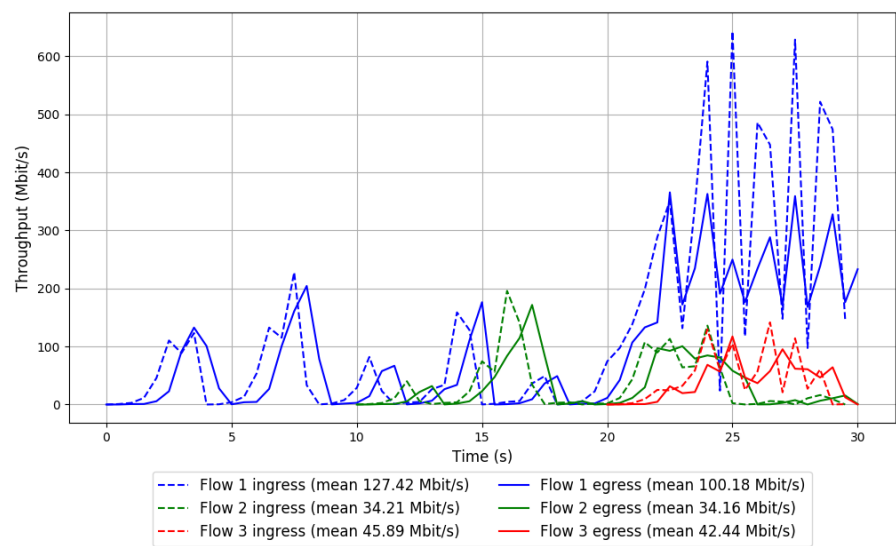
-- Flow 3:

Average throughput: 42.44 Mbit/s

95th percentile per-packet one-way delay: 283.965 ms

Loss rate: 10.12%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-01 06:17:48

End at: 2018-07-01 06:18:18

Local clock offset: 0.211 ms

Remote clock offset: 0.088 ms

Below is generated by plot.py at 2018-07-01 10:14:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 164.12 Mbit/s

95th percentile per-packet one-way delay: 267.119 ms

Loss rate: 1.25%

-- Flow 1:

Average throughput: 100.13 Mbit/s

95th percentile per-packet one-way delay: 239.857 ms

Loss rate: 1.52%

-- Flow 2:

Average throughput: 68.65 Mbit/s

95th percentile per-packet one-way delay: 291.710 ms

Loss rate: 1.14%

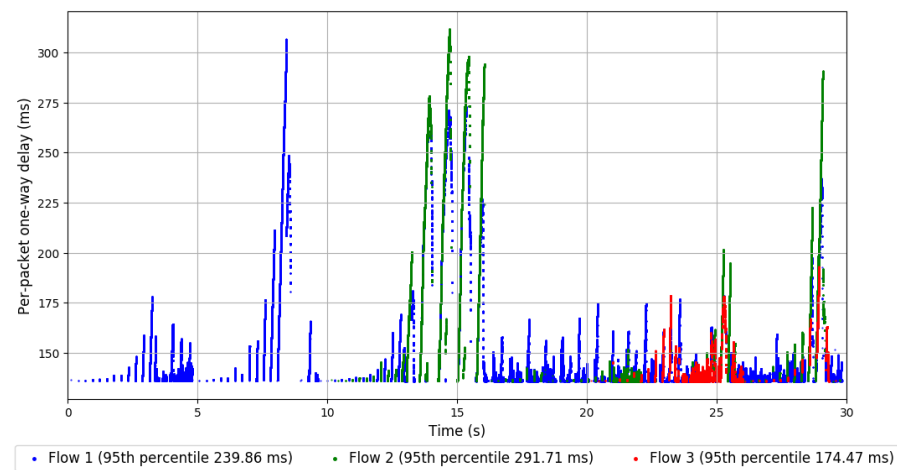
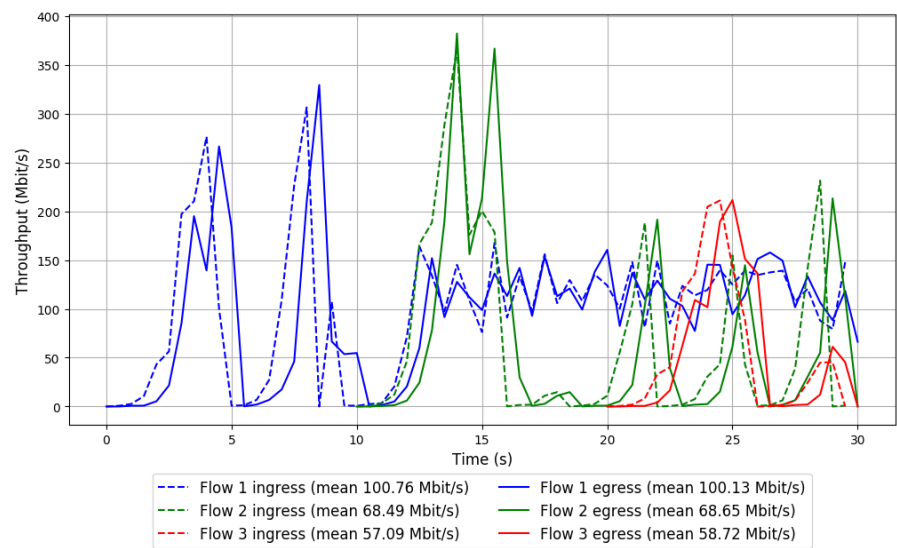
-- Flow 3:

Average throughput: 58.72 Mbit/s

95th percentile per-packet one-way delay: 174.466 ms

Loss rate: 0.03%

Run 6: Report of Verus — Data Link

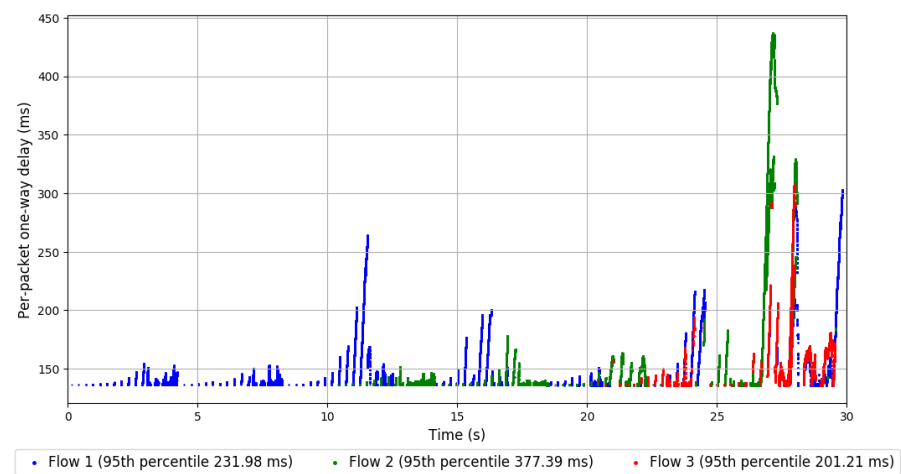
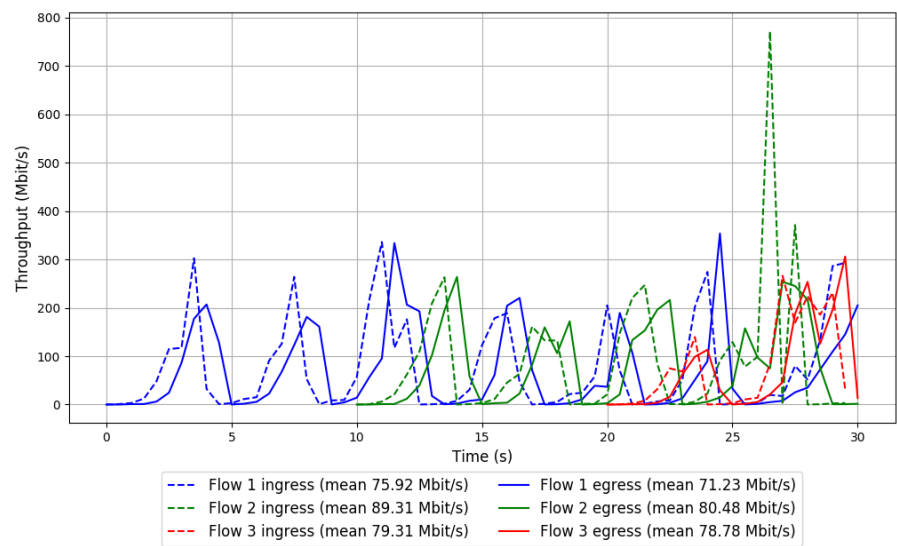


Run 7: Statistics of Verus

Start at: 2018-07-01 06:43:51
End at: 2018-07-01 06:44:21
Local clock offset: 0.286 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-01 10:14:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 148.87 Mbit/s
95th percentile per-packet one-way delay: 275.095 ms
Loss rate: 7.70%
-- Flow 1:
Average throughput: 71.23 Mbit/s
95th percentile per-packet one-way delay: 231.982 ms
Loss rate: 6.25%
-- Flow 2:
Average throughput: 80.48 Mbit/s
95th percentile per-packet one-way delay: 377.392 ms
Loss rate: 11.13%
-- Flow 3:
Average throughput: 78.78 Mbit/s
95th percentile per-packet one-way delay: 201.209 ms
Loss rate: 4.12%

Run 7: Report of Verus — Data Link

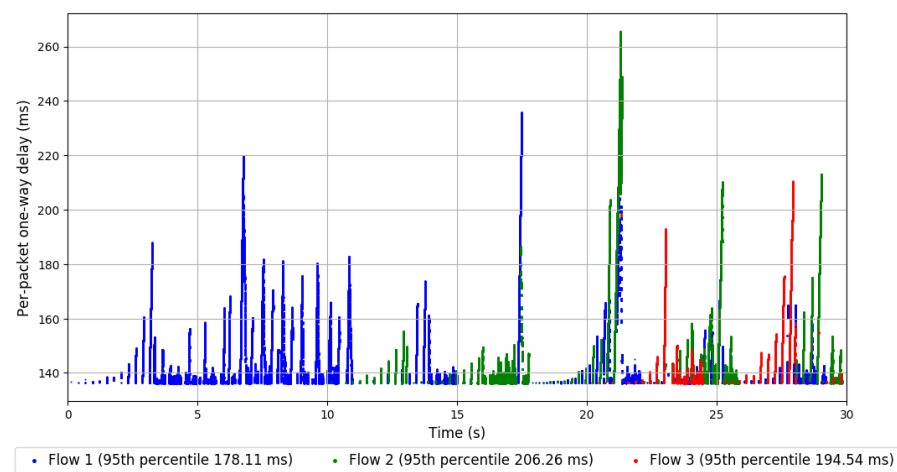
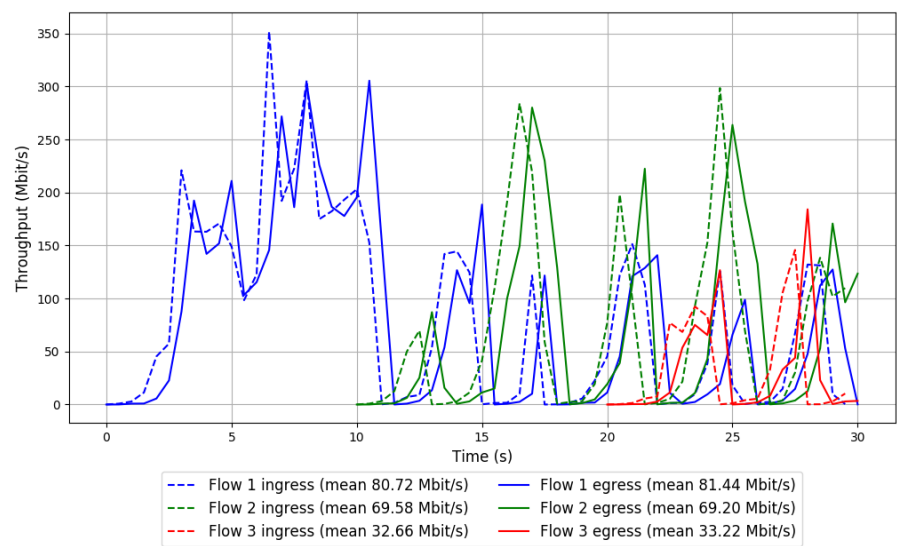


Run 8: Statistics of Verus

Start at: 2018-07-01 07:09:21
End at: 2018-07-01 07:09:51
Local clock offset: 0.168 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-01 10:15:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 137.84 Mbit/s
95th percentile per-packet one-way delay: 190.981 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 81.44 Mbit/s
95th percentile per-packet one-way delay: 178.108 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 69.20 Mbit/s
95th percentile per-packet one-way delay: 206.263 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 33.22 Mbit/s
95th percentile per-packet one-way delay: 194.542 ms
Loss rate: 1.11%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-01 07:35:18

End at: 2018-07-01 07:35:48

Local clock offset: 0.078 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-07-01 10:15:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 163.55 Mbit/s

95th percentile per-packet one-way delay: 257.417 ms

Loss rate: 4.83%

-- Flow 1:

Average throughput: 65.83 Mbit/s

95th percentile per-packet one-way delay: 311.892 ms

Loss rate: 9.73%

-- Flow 2:

Average throughput: 100.68 Mbit/s

95th percentile per-packet one-way delay: 244.843 ms

Loss rate: 1.76%

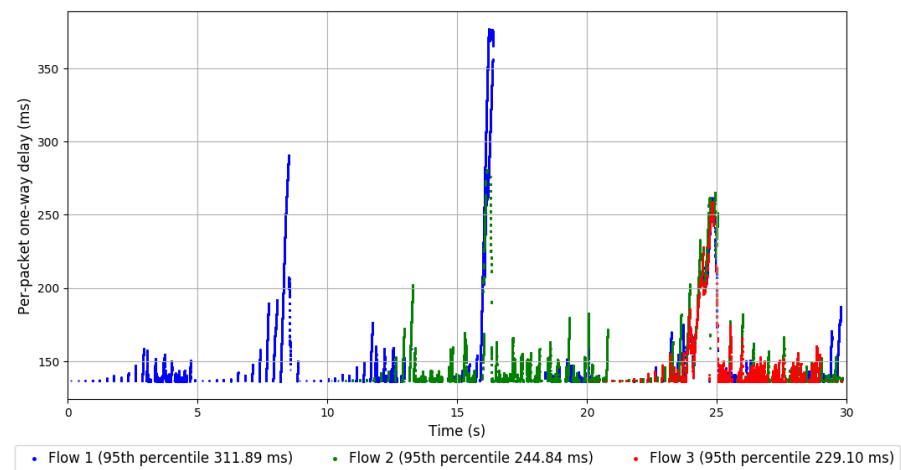
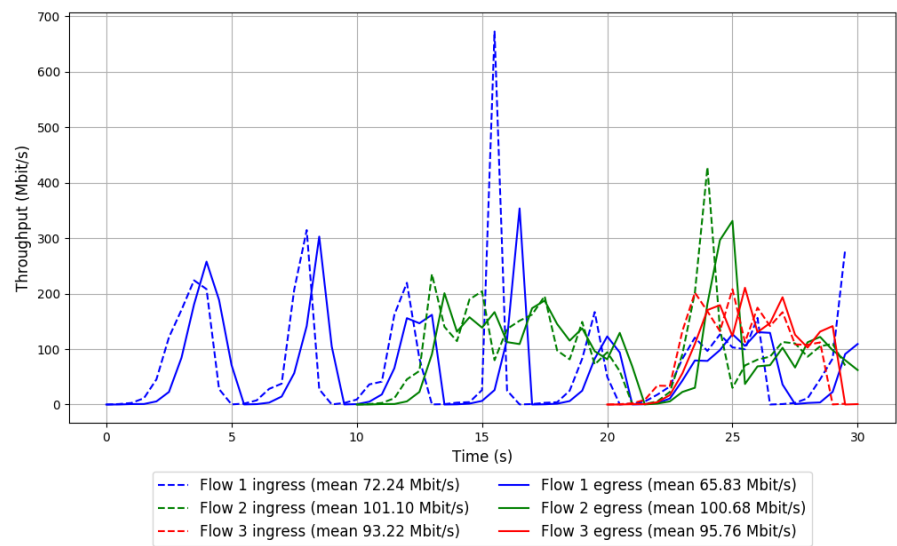
-- Flow 3:

Average throughput: 95.76 Mbit/s

95th percentile per-packet one-way delay: 229.100 ms

Loss rate: 0.09%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-01 08:01:06

End at: 2018-07-01 08:01:36

Local clock offset: -0.064 ms

Remote clock offset: 0.082 ms

Below is generated by plot.py at 2018-07-01 10:16:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 199.65 Mbit/s

95th percentile per-packet one-way delay: 356.577 ms

Loss rate: 5.26%

-- Flow 1:

Average throughput: 134.57 Mbit/s

95th percentile per-packet one-way delay: 342.473 ms

Loss rate: 6.02%

-- Flow 2:

Average throughput: 64.02 Mbit/s

95th percentile per-packet one-way delay: 399.078 ms

Loss rate: 3.40%

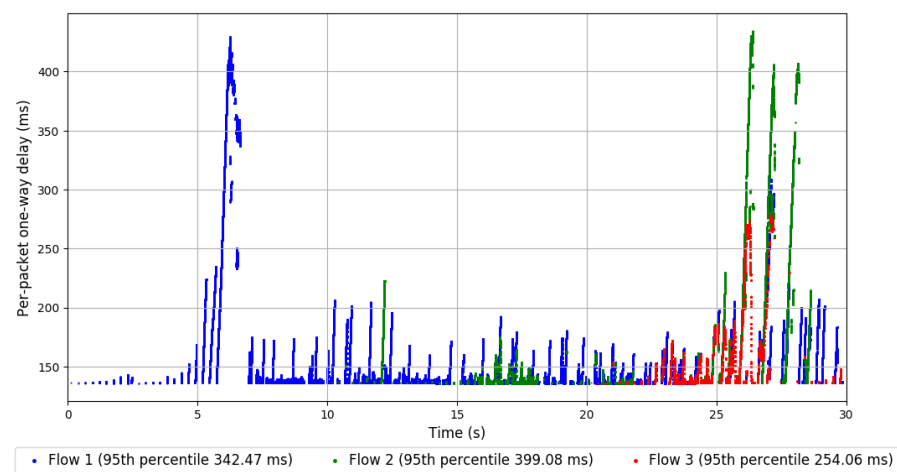
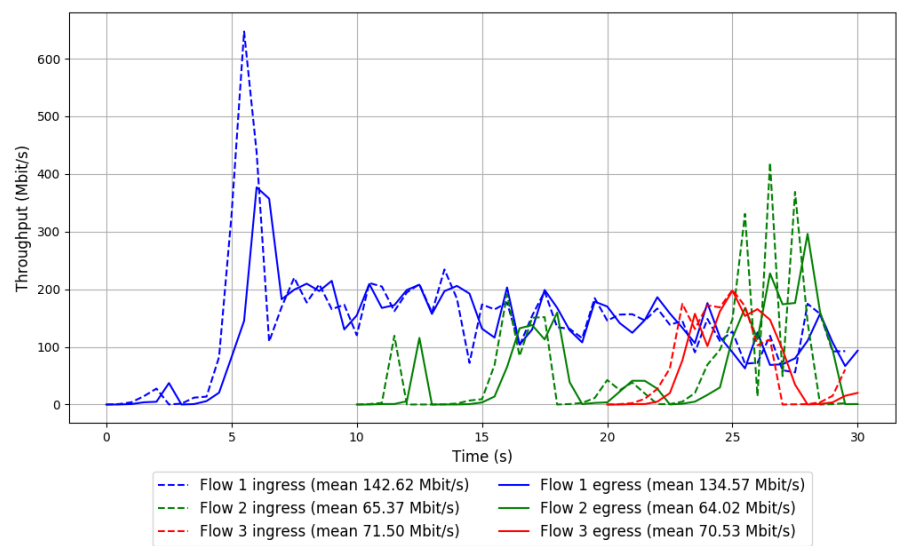
-- Flow 3:

Average throughput: 70.53 Mbit/s

95th percentile per-packet one-way delay: 254.059 ms

Loss rate: 4.12%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-01 04:18:51

End at: 2018-07-01 04:19:21

Local clock offset: 0.314 ms

Remote clock offset: 0.065 ms

Below is generated by plot.py at 2018-07-01 10:23:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 498.76 Mbit/s

95th percentile per-packet one-way delay: 297.321 ms

Loss rate: 2.37%

-- Flow 1:

Average throughput: 286.22 Mbit/s

95th percentile per-packet one-way delay: 301.661 ms

Loss rate: 2.65%

-- Flow 2:

Average throughput: 260.26 Mbit/s

95th percentile per-packet one-way delay: 148.290 ms

Loss rate: 1.37%

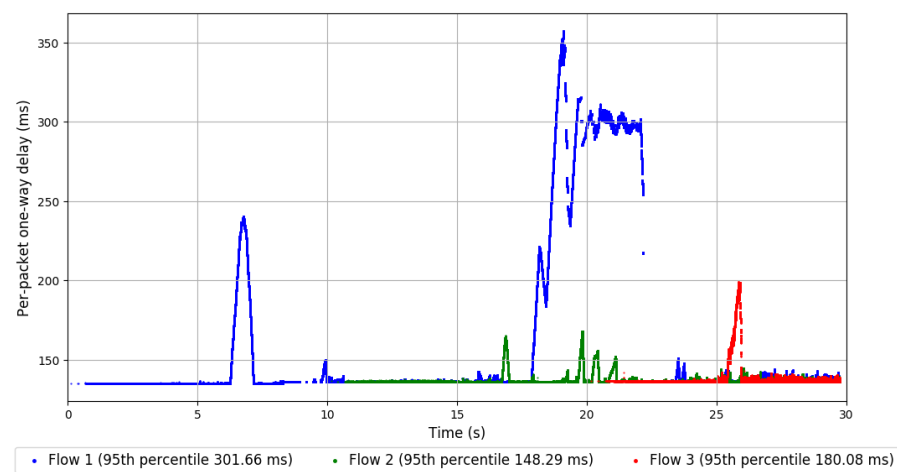
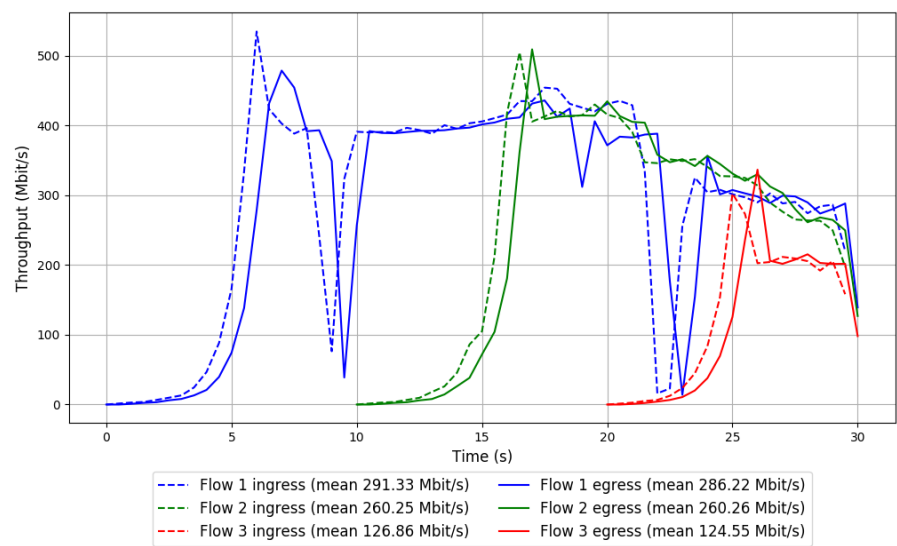
-- Flow 3:

Average throughput: 124.55 Mbit/s

95th percentile per-packet one-way delay: 180.078 ms

Loss rate: 4.55%

Run 1: Report of PCC-Vivace — Data Link

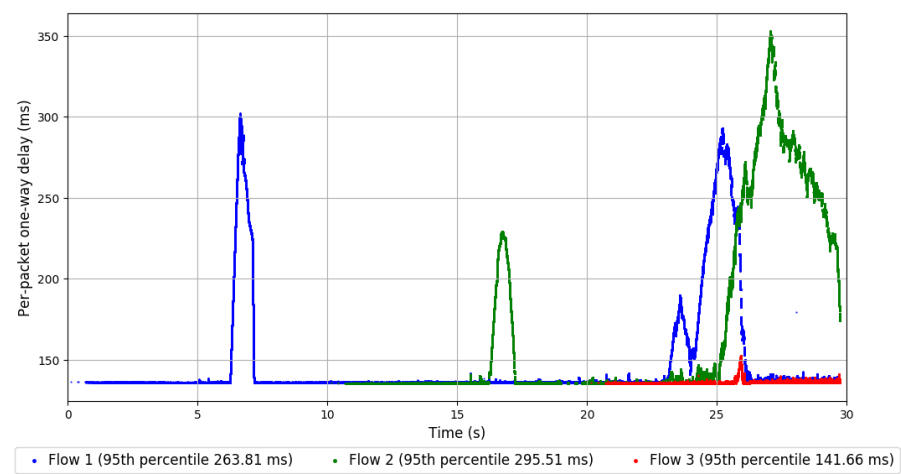
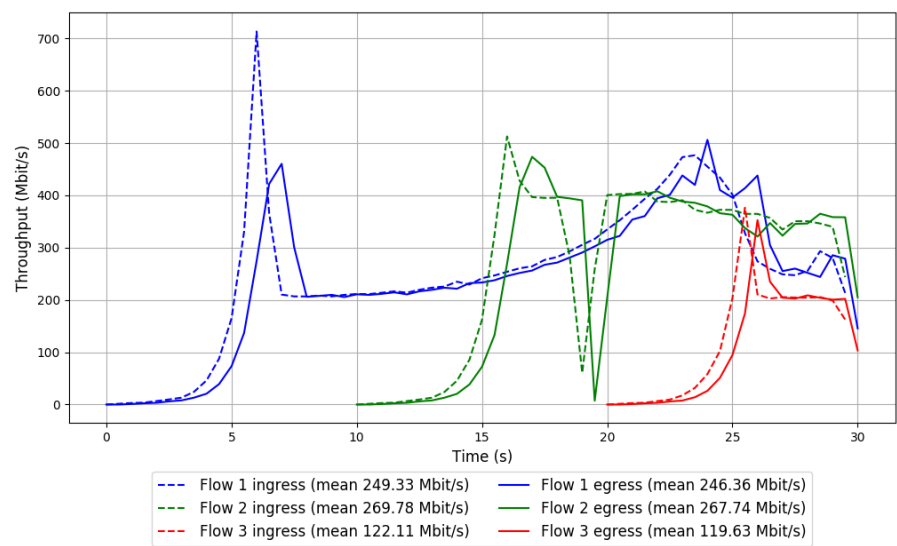


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-01 04:44:34
End at: 2018-07-01 04:45:04
Local clock offset: -0.252 ms
Remote clock offset: -0.299 ms

Below is generated by plot.py at 2018-07-01 10:23:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 462.30 Mbit/s
95th percentile per-packet one-way delay: 279.535 ms
Loss rate: 2.33%
-- Flow 1:
Average throughput: 246.36 Mbit/s
95th percentile per-packet one-way delay: 263.806 ms
Loss rate: 2.10%
-- Flow 2:
Average throughput: 267.74 Mbit/s
95th percentile per-packet one-way delay: 295.513 ms
Loss rate: 2.12%
-- Flow 3:
Average throughput: 119.63 Mbit/s
95th percentile per-packet one-way delay: 141.659 ms
Loss rate: 4.75%

Run 2: Report of PCC-Vivace — Data Link

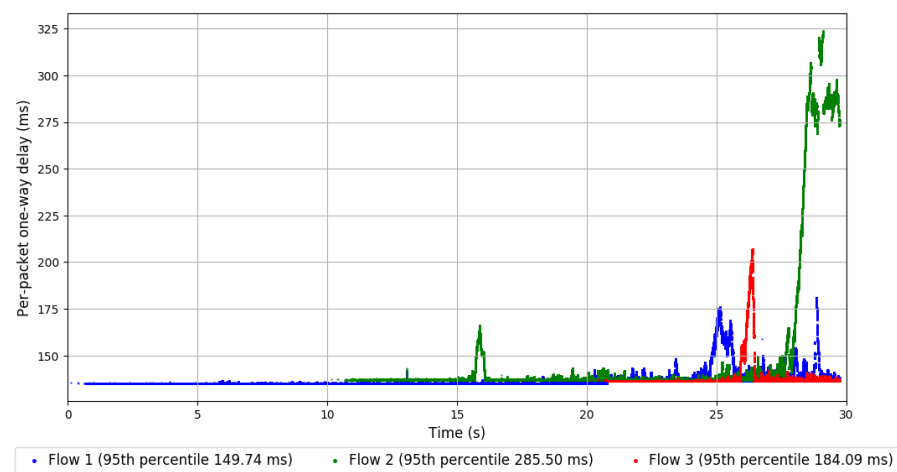
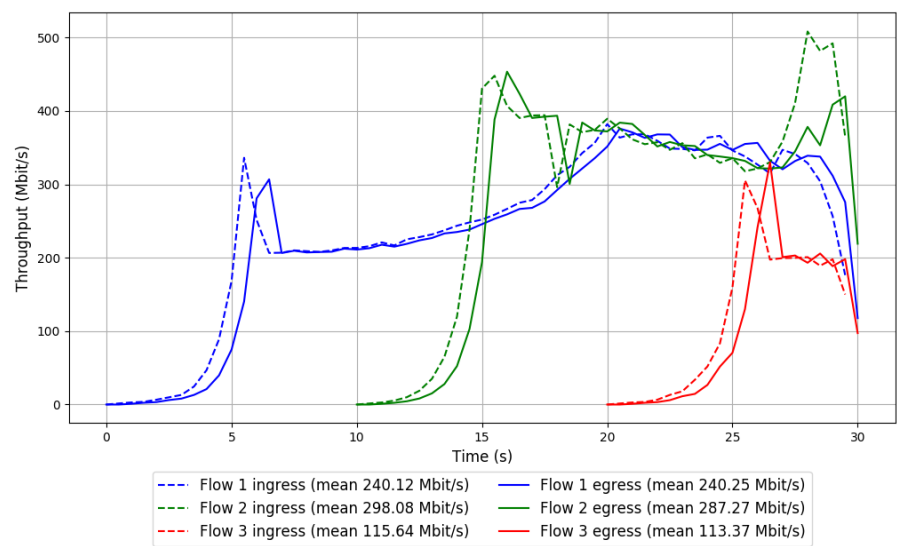


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-01 05:10:19
End at: 2018-07-01 05:10:49
Local clock offset: -0.218 ms
Remote clock offset: -0.328 ms

Below is generated by plot.py at 2018-07-01 10:24:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 467.14 Mbit/s
95th percentile per-packet one-way delay: 188.192 ms
Loss rate: 2.87%
-- Flow 1:
Average throughput: 240.25 Mbit/s
95th percentile per-packet one-way delay: 149.735 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 287.27 Mbit/s
95th percentile per-packet one-way delay: 285.497 ms
Loss rate: 4.96%
-- Flow 3:
Average throughput: 113.37 Mbit/s
95th percentile per-packet one-way delay: 184.089 ms
Loss rate: 4.68%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-01 05:36:03

End at: 2018-07-01 05:36:33

Local clock offset: 0.16 ms

Remote clock offset: 0.472 ms

Below is generated by plot.py at 2018-07-01 10:25:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 524.87 Mbit/s

95th percentile per-packet one-way delay: 220.785 ms

Loss rate: 2.21%

-- Flow 1:

Average throughput: 311.08 Mbit/s

95th percentile per-packet one-way delay: 172.079 ms

Loss rate: 1.66%

-- Flow 2:

Average throughput: 266.98 Mbit/s

95th percentile per-packet one-way delay: 245.559 ms

Loss rate: 2.48%

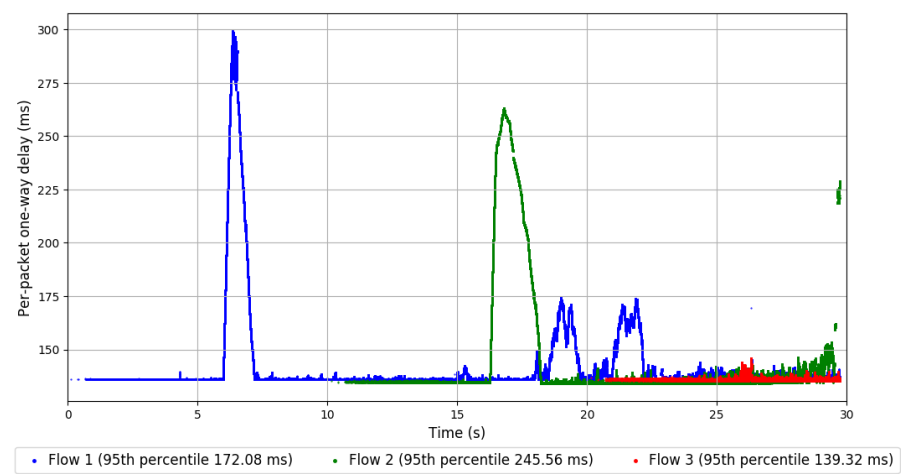
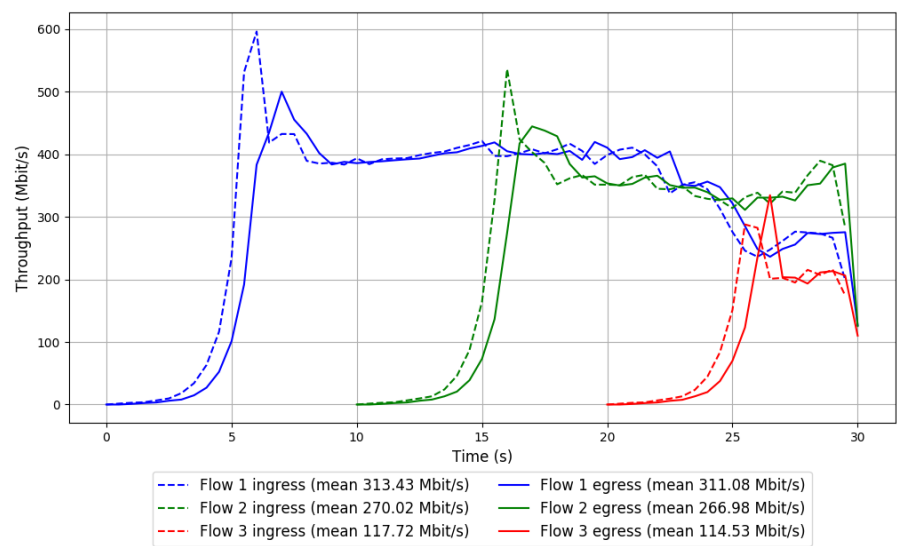
-- Flow 3:

Average throughput: 114.53 Mbit/s

95th percentile per-packet one-way delay: 139.323 ms

Loss rate: 5.46%

Run 4: Report of PCC-Vivace — Data Link

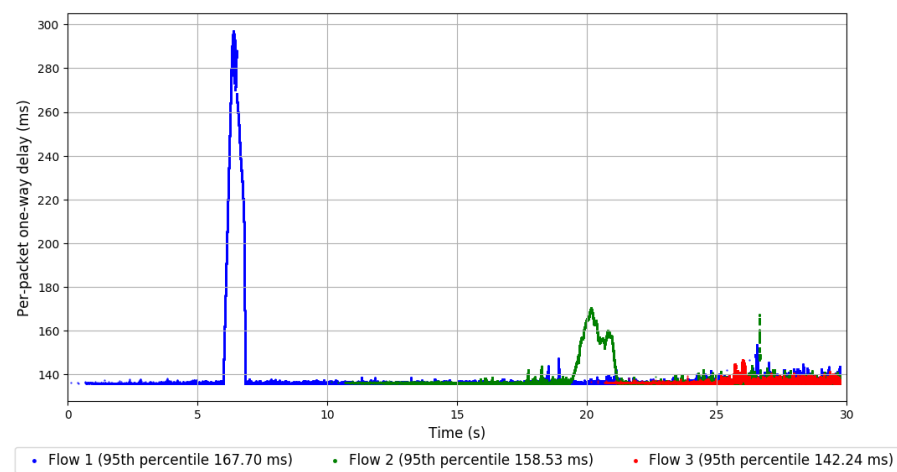
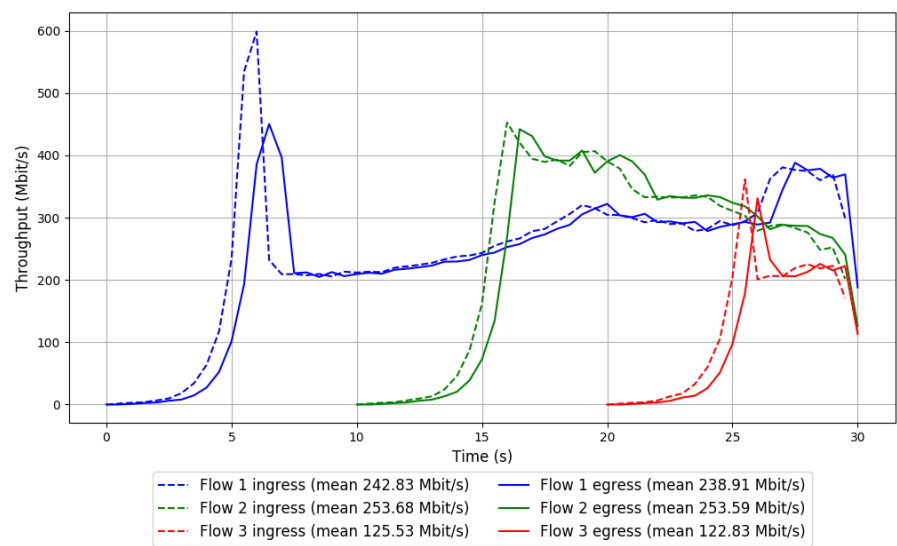


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-01 06:01:35
End at: 2018-07-01 06:02:05
Local clock offset: 0.056 ms
Remote clock offset: -0.259 ms

Below is generated by plot.py at 2018-07-01 10:25:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 446.58 Mbit/s
95th percentile per-packet one-way delay: 157.287 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 238.91 Mbit/s
95th percentile per-packet one-way delay: 167.703 ms
Loss rate: 2.53%
-- Flow 2:
Average throughput: 253.59 Mbit/s
95th percentile per-packet one-way delay: 158.532 ms
Loss rate: 1.44%
-- Flow 3:
Average throughput: 122.83 Mbit/s
95th percentile per-packet one-way delay: 142.235 ms
Loss rate: 4.92%

Run 5: Report of PCC-Vivace — Data Link

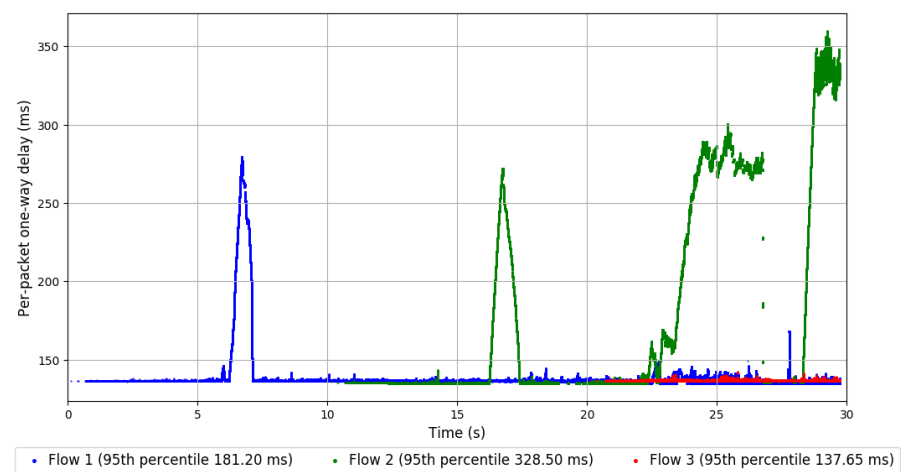
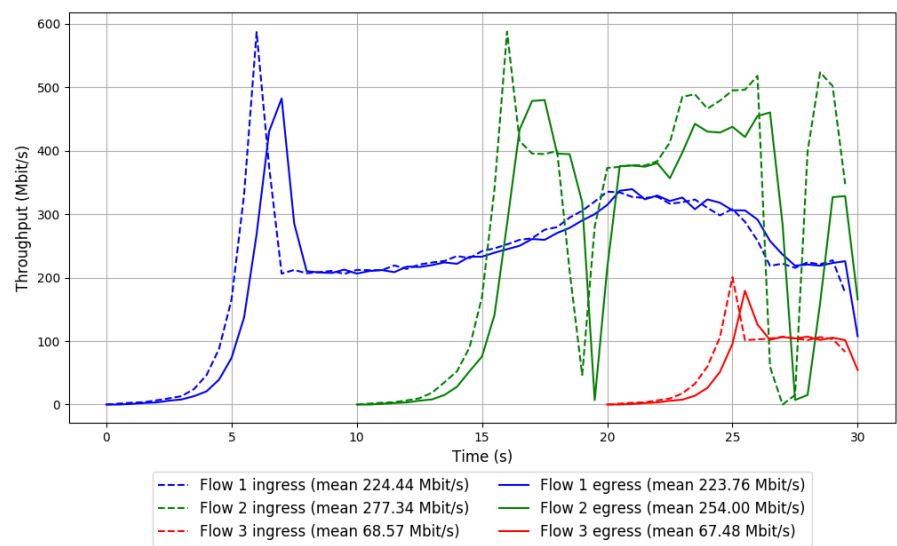


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-01 06:27:27
End at: 2018-07-01 06:27:57
Local clock offset: 0.282 ms
Remote clock offset: -0.366 ms

Below is generated by plot.py at 2018-07-01 10:25:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 413.79 Mbit/s
95th percentile per-packet one-way delay: 282.595 ms
Loss rate: 4.99%
-- Flow 1:
Average throughput: 223.76 Mbit/s
95th percentile per-packet one-way delay: 181.203 ms
Loss rate: 1.21%
-- Flow 2:
Average throughput: 254.00 Mbit/s
95th percentile per-packet one-way delay: 328.501 ms
Loss rate: 9.67%
-- Flow 3:
Average throughput: 67.48 Mbit/s
95th percentile per-packet one-way delay: 137.648 ms
Loss rate: 4.31%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-01 06:53:28

End at: 2018-07-01 06:53:58

Local clock offset: 0.172 ms

Remote clock offset: 0.329 ms

Below is generated by plot.py at 2018-07-01 10:25:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 407.75 Mbit/s

95th percentile per-packet one-way delay: 198.275 ms

Loss rate: 3.33%

-- Flow 1:

Average throughput: 242.83 Mbit/s

95th percentile per-packet one-way delay: 186.886 ms

Loss rate: 2.34%

-- Flow 2:

Average throughput: 193.69 Mbit/s

95th percentile per-packet one-way delay: 229.607 ms

Loss rate: 4.72%

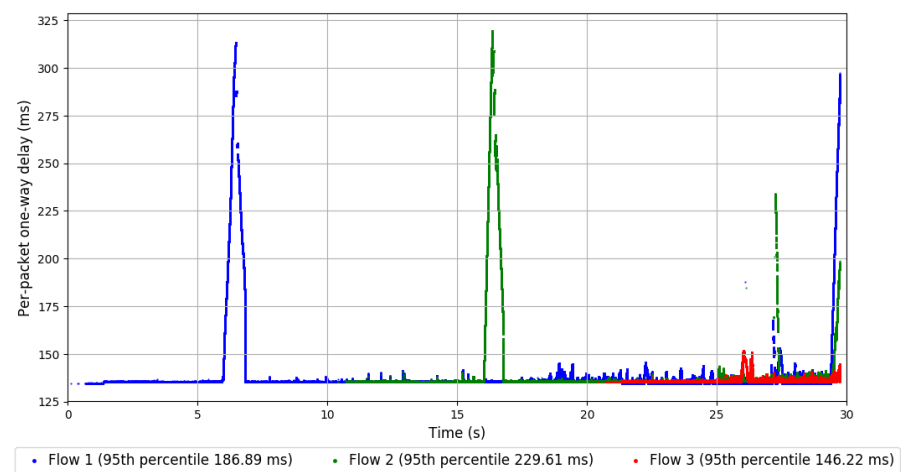
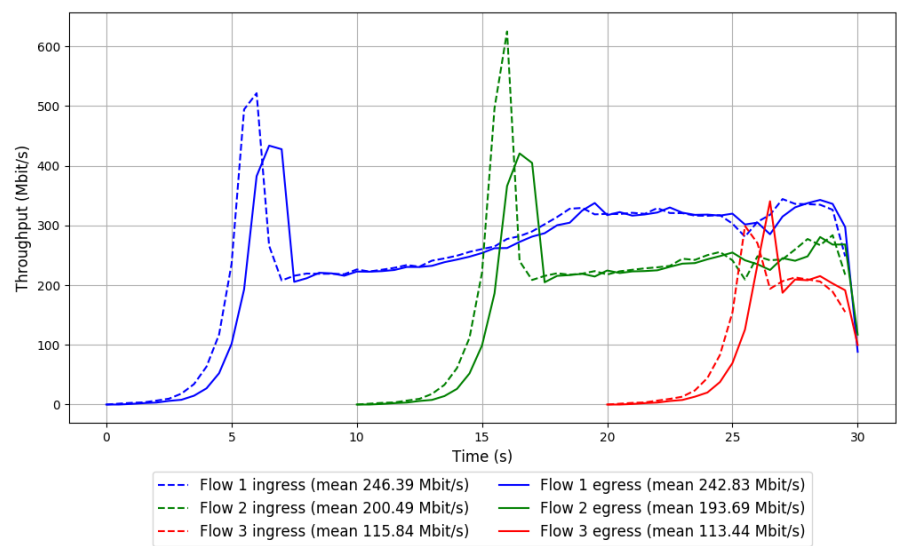
-- Flow 3:

Average throughput: 113.44 Mbit/s

95th percentile per-packet one-way delay: 146.219 ms

Loss rate: 4.80%

Run 7: Report of PCC-Vivace — Data Link

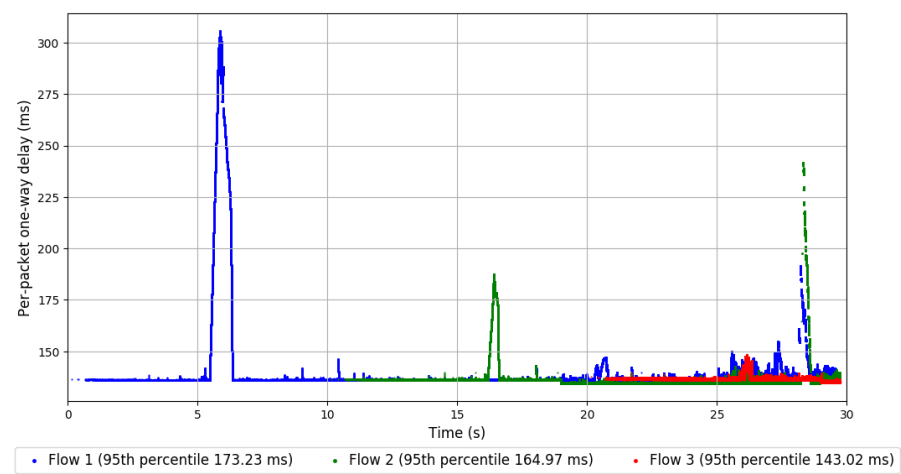
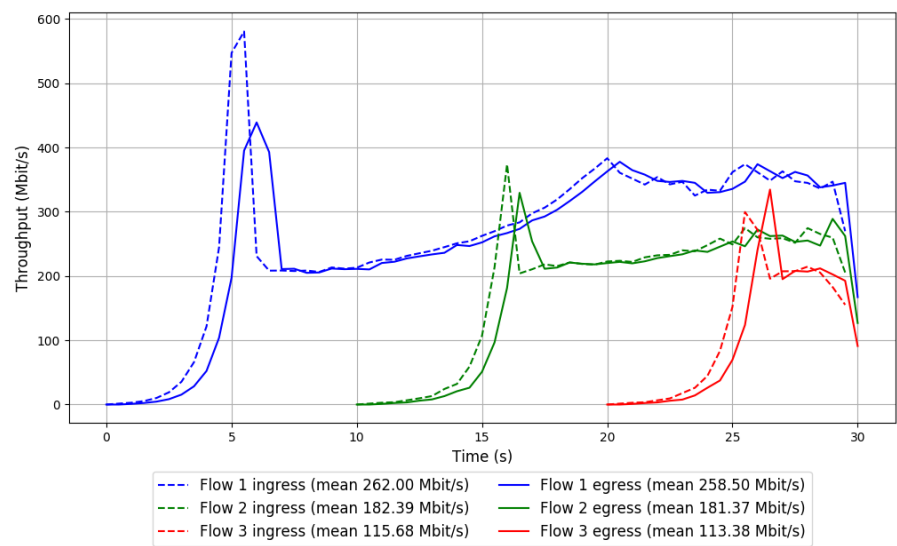


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-01 07:19:01
End at: 2018-07-01 07:19:31
Local clock offset: 0.07 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-01 10:25:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 415.27 Mbit/s
95th percentile per-packet one-way delay: 164.108 ms
Loss rate: 2.49%
-- Flow 1:
Average throughput: 258.50 Mbit/s
95th percentile per-packet one-way delay: 173.231 ms
Loss rate: 2.32%
-- Flow 2:
Average throughput: 181.37 Mbit/s
95th percentile per-packet one-way delay: 164.967 ms
Loss rate: 2.07%
-- Flow 3:
Average throughput: 113.38 Mbit/s
95th percentile per-packet one-way delay: 143.021 ms
Loss rate: 4.96%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-01 07:45:00

End at: 2018-07-01 07:45:30

Local clock offset: 0.007 ms

Remote clock offset: 0.461 ms

Below is generated by plot.py at 2018-07-01 10:26:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 394.39 Mbit/s

95th percentile per-packet one-way delay: 144.605 ms

Loss rate: 2.23%

-- Flow 1:

Average throughput: 234.91 Mbit/s

95th percentile per-packet one-way delay: 155.897 ms

Loss rate: 2.10%

-- Flow 2:

Average throughput: 186.00 Mbit/s

95th percentile per-packet one-way delay: 137.710 ms

Loss rate: 1.67%

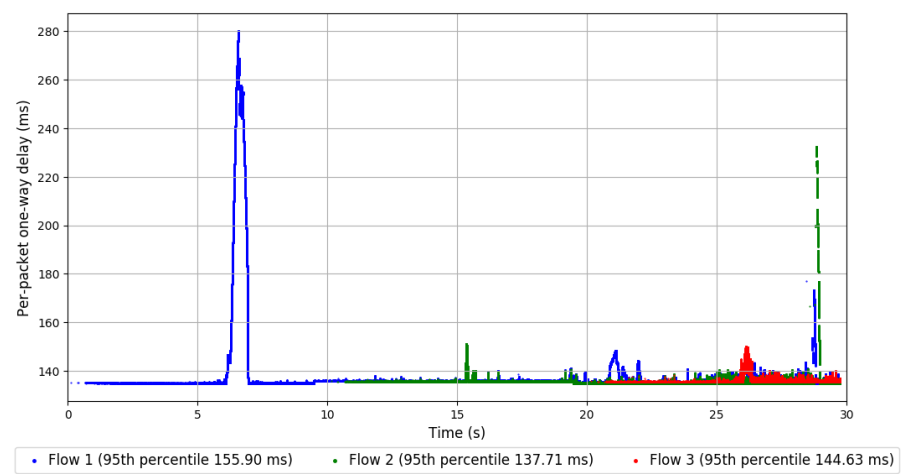
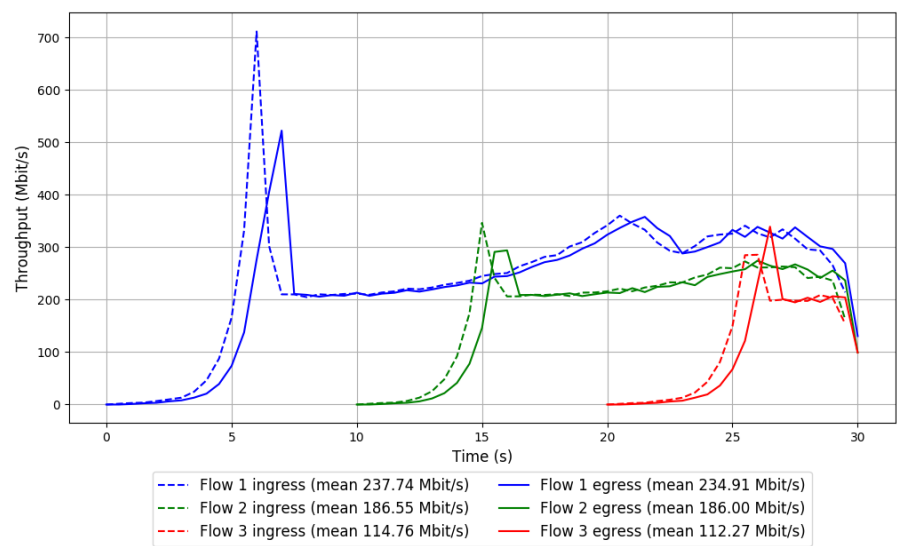
-- Flow 3:

Average throughput: 112.27 Mbit/s

95th percentile per-packet one-way delay: 144.635 ms

Loss rate: 4.88%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-01 08:10:47

End at: 2018-07-01 08:11:17

Local clock offset: 0.227 ms

Remote clock offset: 0.403 ms

Below is generated by plot.py at 2018-07-01 10:26:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 461.18 Mbit/s

95th percentile per-packet one-way delay: 193.661 ms

Loss rate: 1.91%

-- Flow 1:

Average throughput: 296.20 Mbit/s

95th percentile per-packet one-way delay: 173.783 ms

Loss rate: 0.97%

-- Flow 2:

Average throughput: 188.52 Mbit/s

95th percentile per-packet one-way delay: 236.921 ms

Loss rate: 3.24%

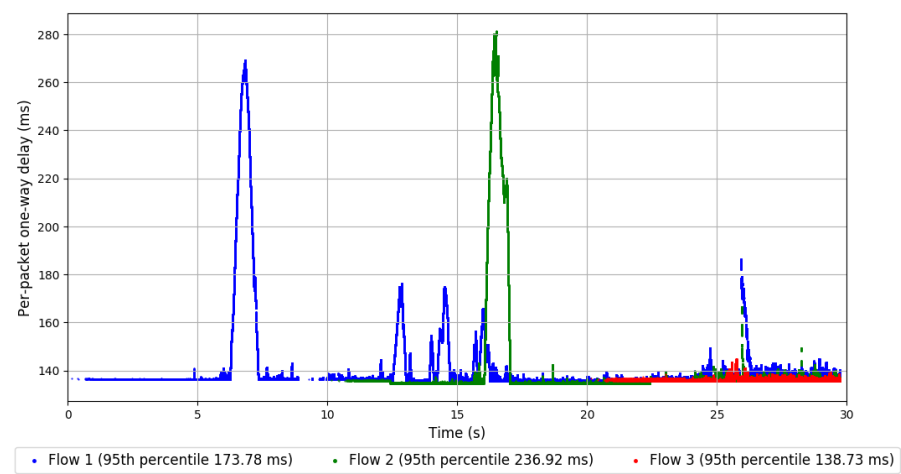
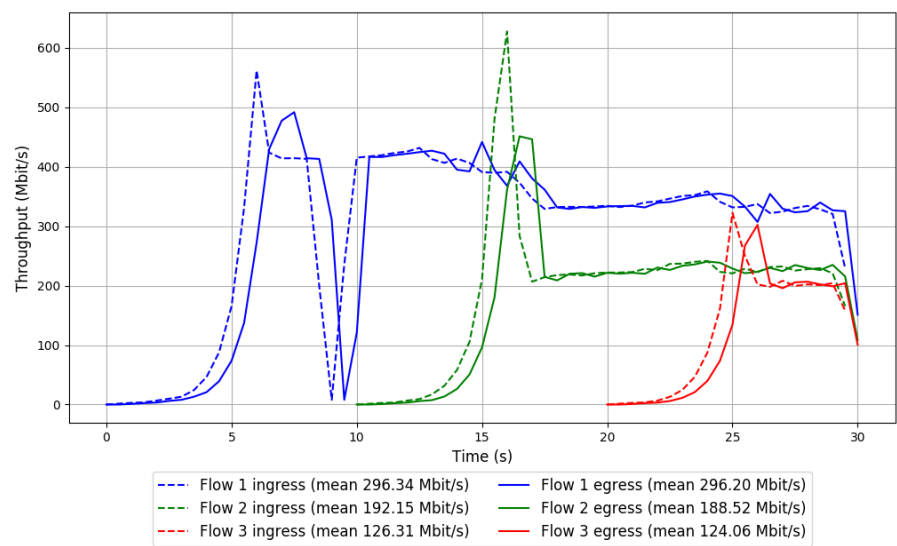
-- Flow 3:

Average throughput: 124.06 Mbit/s

95th percentile per-packet one-way delay: 138.728 ms

Loss rate: 4.52%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-01 04:16:21

End at: 2018-07-01 04:16:51

Local clock offset: 0.125 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-07-01 10:26:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.93 Mbit/s

95th percentile per-packet one-way delay: 136.583 ms

Loss rate: 2.05%

-- Flow 1:

Average throughput: 1.53 Mbit/s

95th percentile per-packet one-way delay: 136.608 ms

Loss rate: 1.22%

-- Flow 2:

Average throughput: 1.06 Mbit/s

95th percentile per-packet one-way delay: 135.675 ms

Loss rate: 2.17%

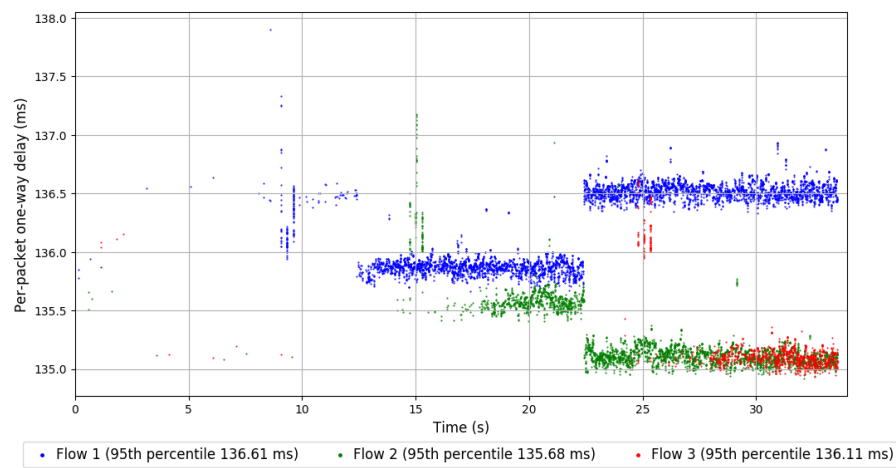
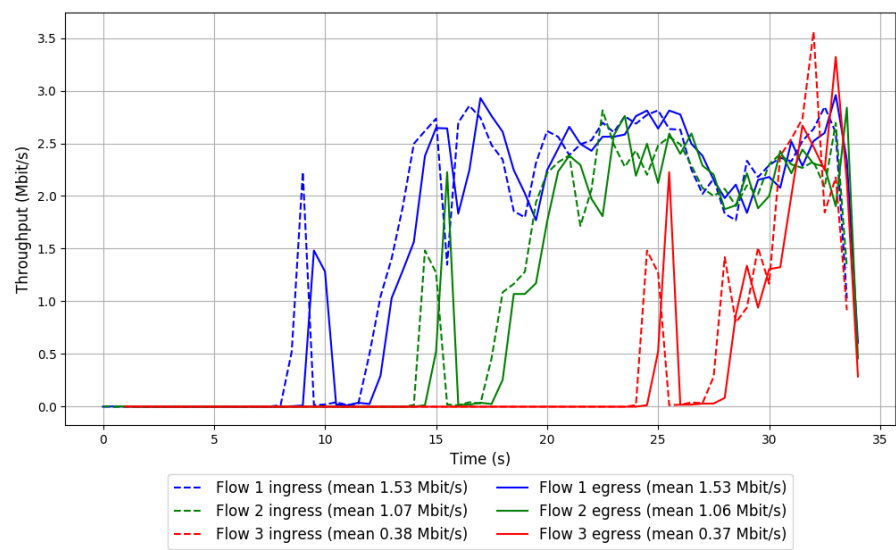
-- Flow 3:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 136.110 ms

Loss rate: 5.14%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-01 04:42:03

End at: 2018-07-01 04:42:33

Local clock offset: -0.058 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-07-01 10:26:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.24 Mbit/s

95th percentile per-packet one-way delay: 136.742 ms

Loss rate: 2.15%

-- Flow 1:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 136.762 ms

Loss rate: 1.72%

-- Flow 2:

Average throughput: 1.08 Mbit/s

95th percentile per-packet one-way delay: 136.202 ms

Loss rate: 1.91%

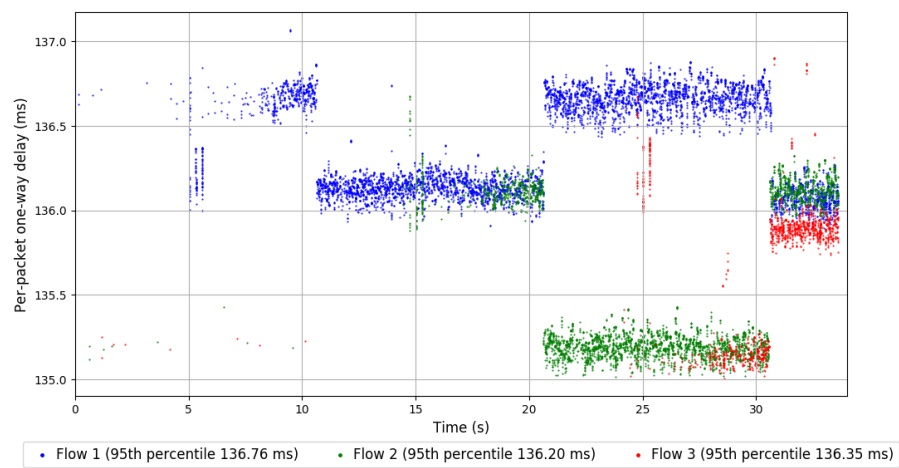
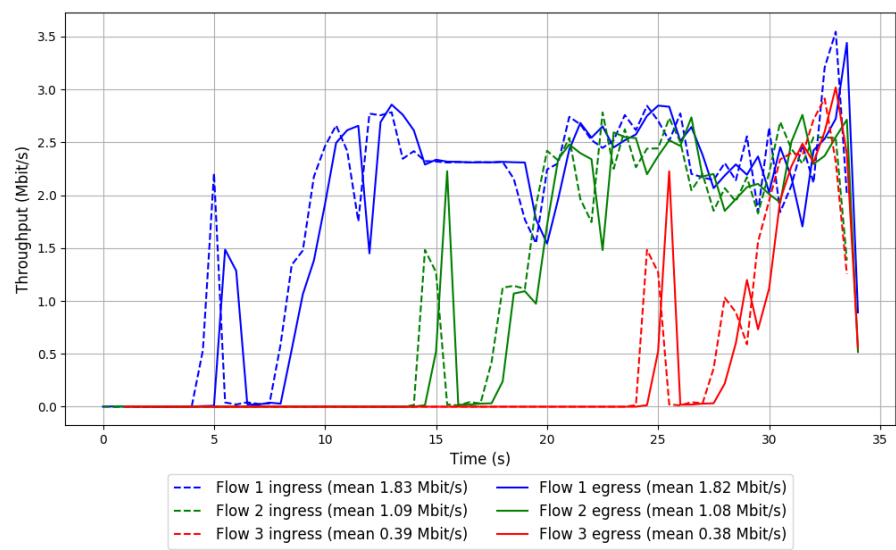
-- Flow 3:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 136.348 ms

Loss rate: 4.90%

Run 2: Report of WebRTC media — Data Link

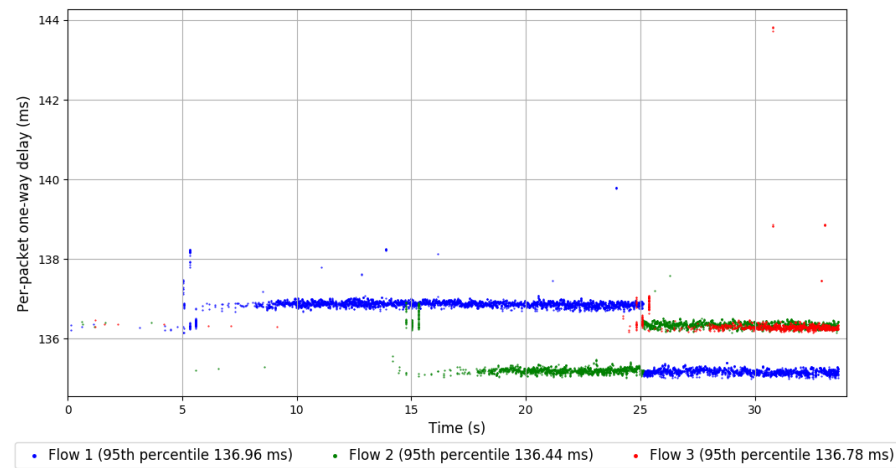
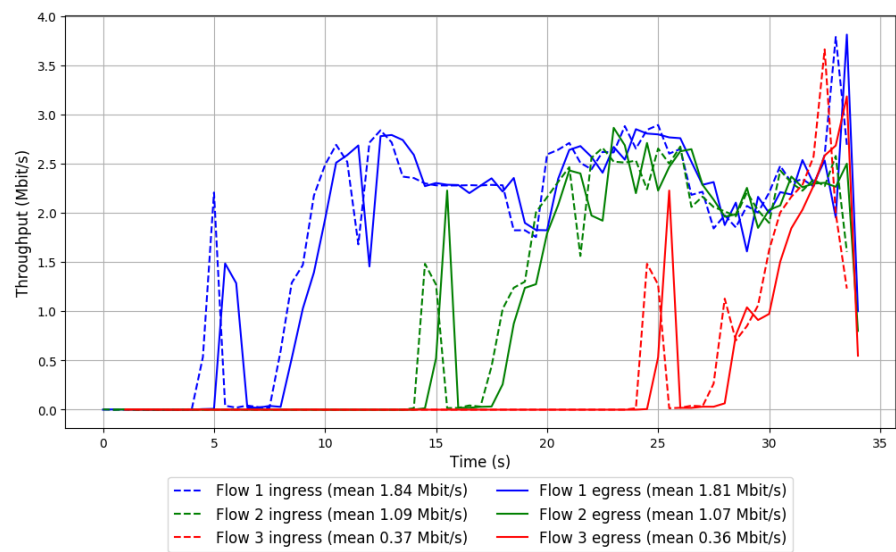


Run 3: Statistics of WebRTC media

Start at: 2018-07-01 05:07:49
End at: 2018-07-01 05:08:19
Local clock offset: -0.241 ms
Remote clock offset: -0.319 ms

Below is generated by plot.py at 2018-07-01 10:26:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.22 Mbit/s
95th percentile per-packet one-way delay: 136.941 ms
Loss rate: 2.42%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 136.960 ms
Loss rate: 2.17%
-- Flow 2:
Average throughput: 1.07 Mbit/s
95th percentile per-packet one-way delay: 136.436 ms
Loss rate: 2.06%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 136.775 ms
Loss rate: 4.73%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-01 05:33:32

End at: 2018-07-01 05:34:02

Local clock offset: 0.053 ms

Remote clock offset: -0.25 ms

Below is generated by plot.py at 2018-07-01 10:26:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.25 Mbit/s

95th percentile per-packet one-way delay: 137.013 ms

Loss rate: 1.82%

-- Flow 1:

Average throughput: 1.84 Mbit/s

95th percentile per-packet one-way delay: 136.982 ms

Loss rate: 1.11%

-- Flow 2:

Average throughput: 1.08 Mbit/s

95th percentile per-packet one-way delay: 137.020 ms

Loss rate: 1.82%

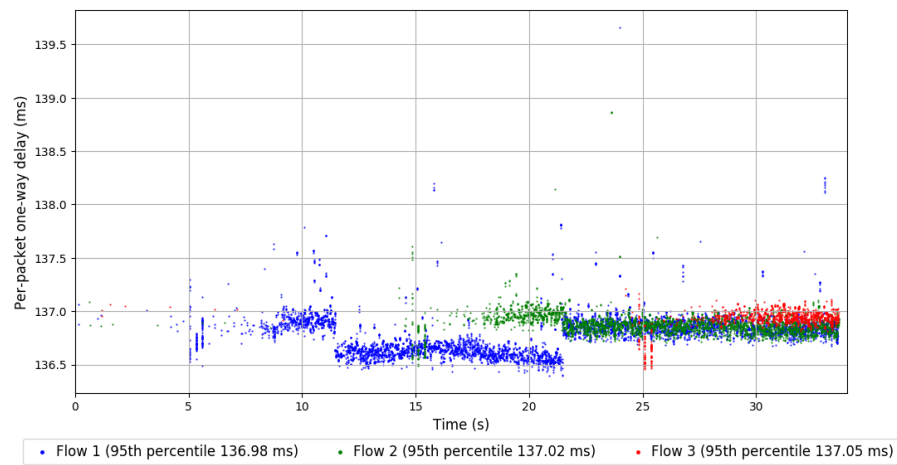
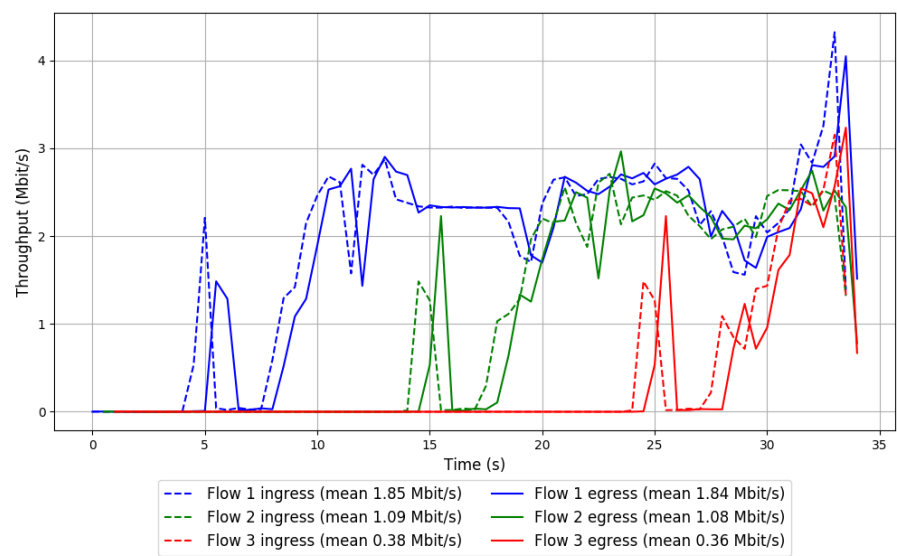
-- Flow 3:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 137.046 ms

Loss rate: 5.36%

Run 4: Report of WebRTC media — Data Link

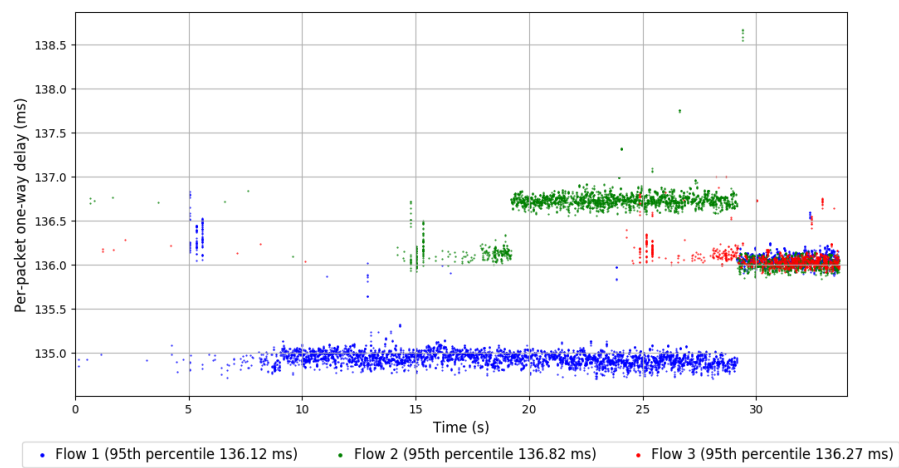
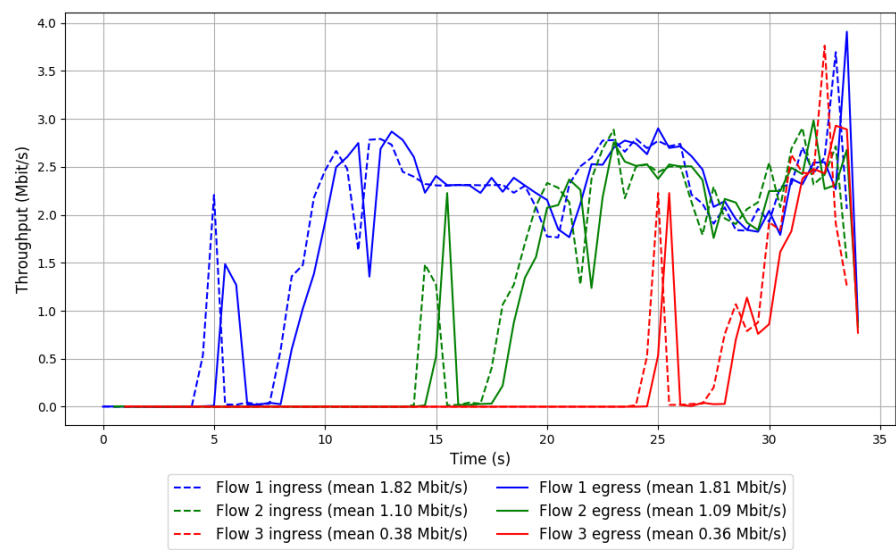


Run 5: Statistics of WebRTC media

Start at: 2018-07-01 05:59:05
End at: 2018-07-01 05:59:35
Local clock offset: -0.027 ms
Remote clock offset: -0.267 ms

Below is generated by plot.py at 2018-07-01 10:26:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.23 Mbit/s
95th percentile per-packet one-way delay: 136.772 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 136.115 ms
Loss rate: 1.59%
-- Flow 2:
Average throughput: 1.09 Mbit/s
95th percentile per-packet one-way delay: 136.823 ms
Loss rate: 2.01%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 136.268 ms
Loss rate: 4.36%

Run 5: Report of WebRTC media — Data Link

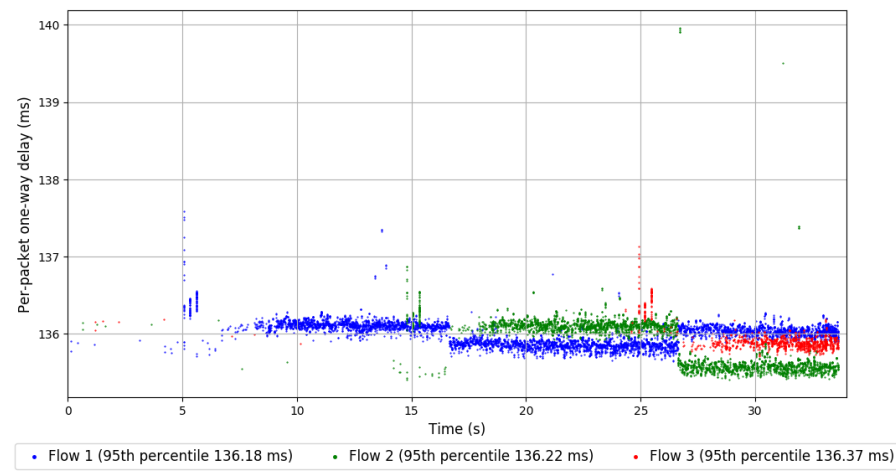
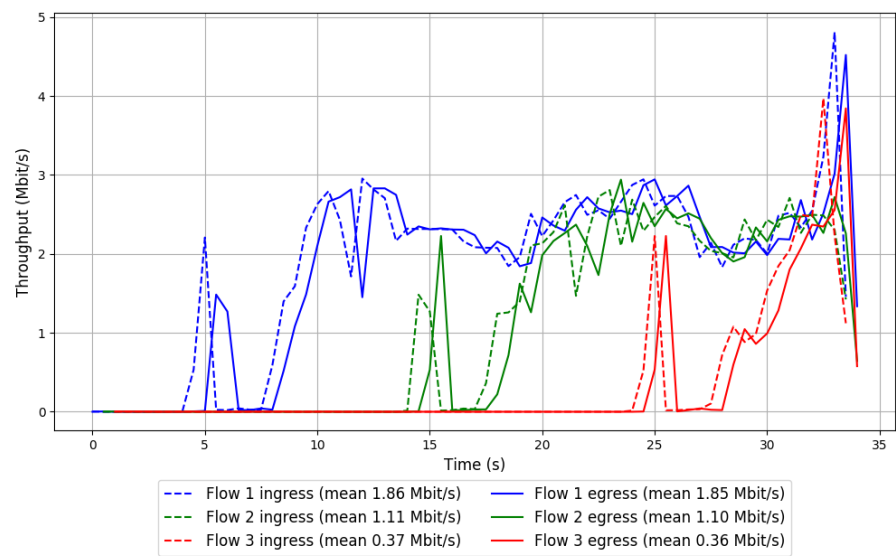


Run 6: Statistics of WebRTC media

Start at: 2018-07-01 06:24:57
End at: 2018-07-01 06:25:27
Local clock offset: 0.253 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-01 10:26:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.28 Mbit/s
95th percentile per-packet one-way delay: 136.200 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 136.181 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 1.10 Mbit/s
95th percentile per-packet one-way delay: 136.216 ms
Loss rate: 1.93%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 136.367 ms
Loss rate: 4.60%

Run 6: Report of WebRTC media — Data Link

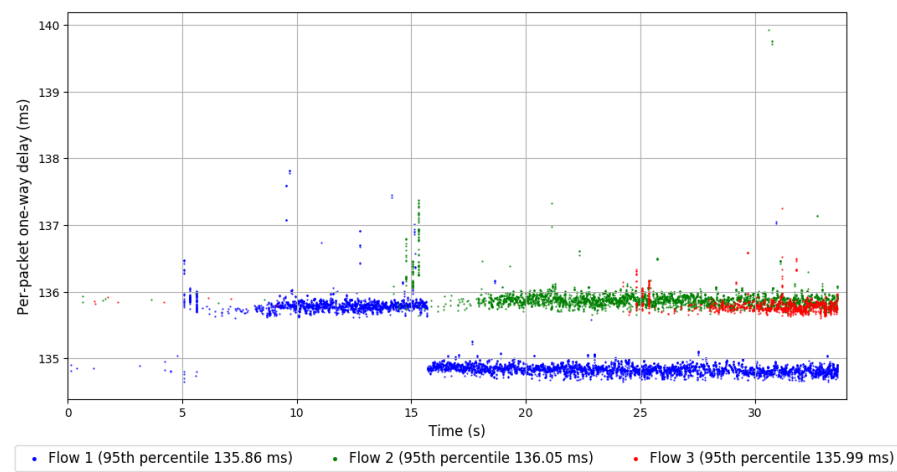
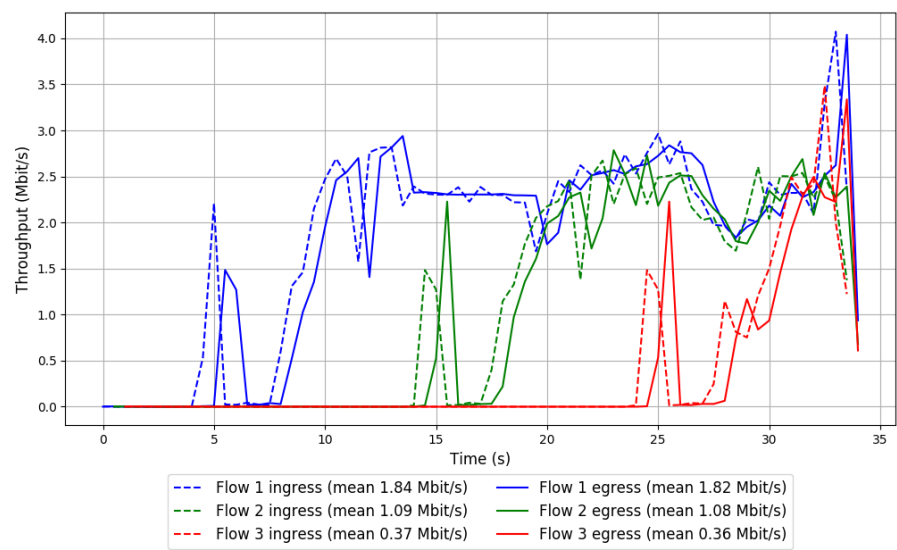


Run 7: Statistics of WebRTC media

Start at: 2018-07-01 06:50:58
End at: 2018-07-01 06:51:28
Local clock offset: 0.023 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-01 10:26:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.23 Mbit/s
95th percentile per-packet one-way delay: 135.980 ms
Loss rate: 2.24%
-- Flow 1:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 135.858 ms
Loss rate: 1.89%
-- Flow 2:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 136.047 ms
Loss rate: 1.89%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 135.987 ms
Loss rate: 5.01%

Run 7: Report of WebRTC media — Data Link

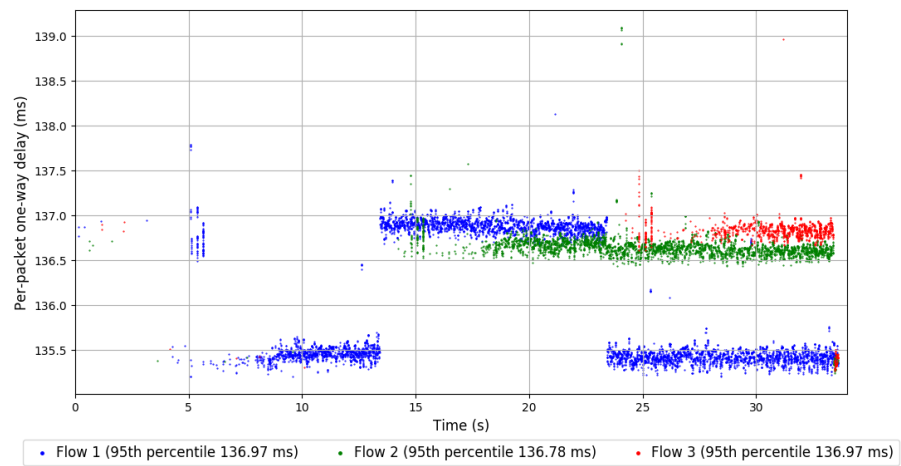
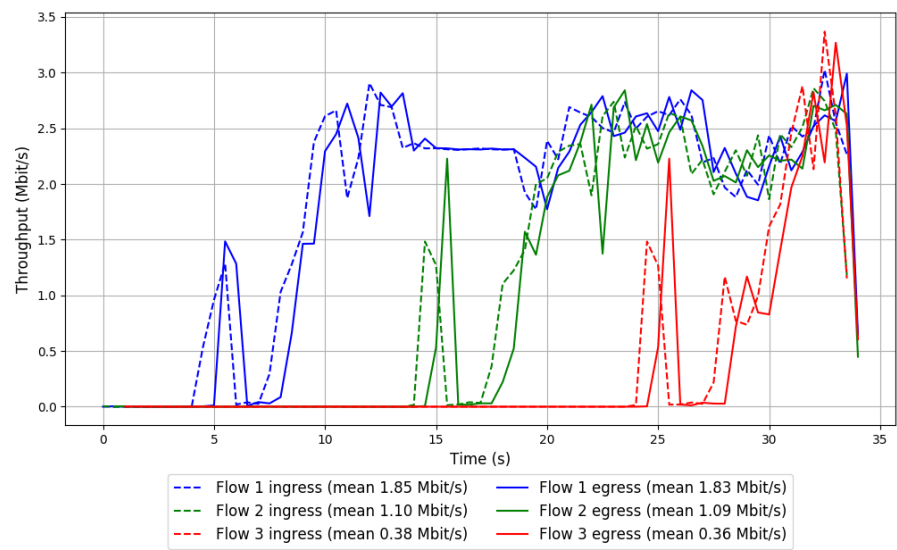


Run 8: Statistics of WebRTC media

Start at: 2018-07-01 07:16:30
End at: 2018-07-01 07:17:00
Local clock offset: 0.04 ms
Remote clock offset: -0.452 ms

Below is generated by plot.py at 2018-07-01 10:26:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.26 Mbit/s
95th percentile per-packet one-way delay: 136.947 ms
Loss rate: 2.24%
-- Flow 1:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 136.967 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 1.09 Mbit/s
95th percentile per-packet one-way delay: 136.778 ms
Loss rate: 1.92%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 136.970 ms
Loss rate: 5.27%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-01 07:42:30

End at: 2018-07-01 07:43:00

Local clock offset: 0.107 ms

Remote clock offset: 0.066 ms

Below is generated by plot.py at 2018-07-01 10:26:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.24 Mbit/s

95th percentile per-packet one-way delay: 136.578 ms

Loss rate: 2.20%

-- Flow 1:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 136.290 ms

Loss rate: 1.53%

-- Flow 2:

Average throughput: 1.07 Mbit/s

95th percentile per-packet one-way delay: 136.563 ms

Loss rate: 1.89%

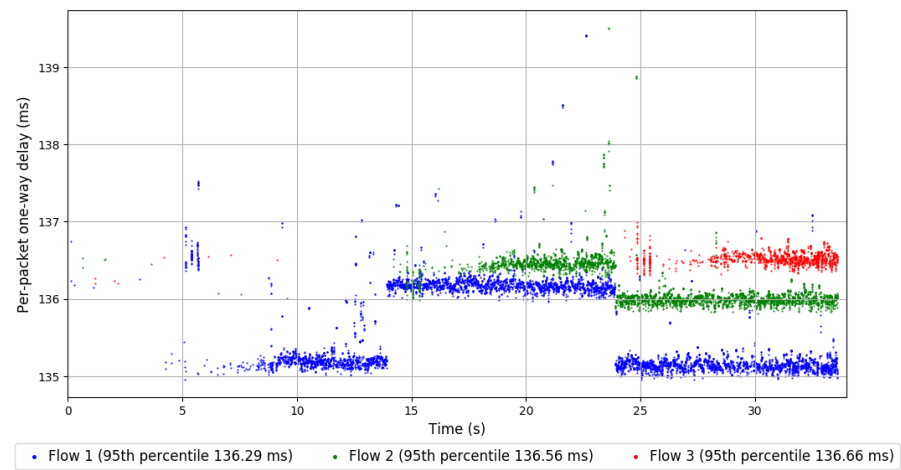
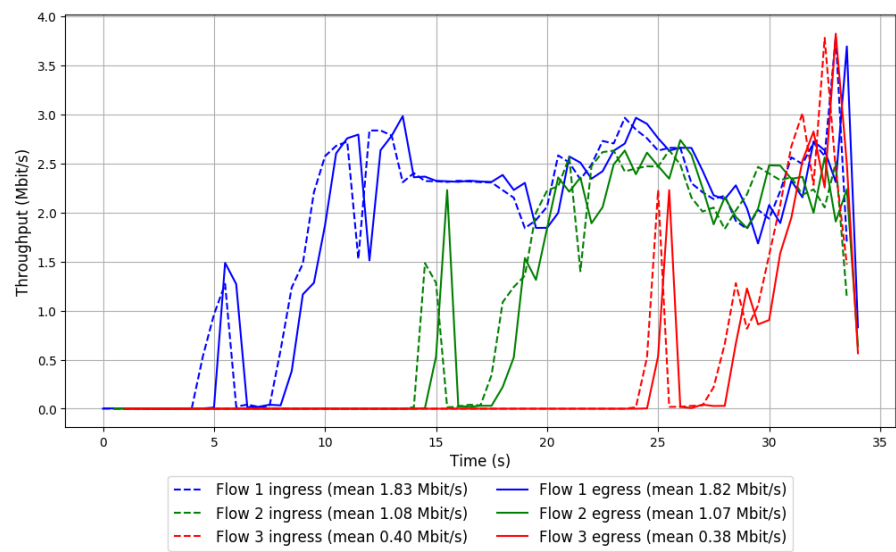
-- Flow 3:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 136.663 ms

Loss rate: 6.23%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-01 08:08:17

End at: 2018-07-01 08:08:47

Local clock offset: 0.141 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-07-01 10:26:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.26 Mbit/s

95th percentile per-packet one-way delay: 136.010 ms

Loss rate: 2.33%

-- Flow 1:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 136.017 ms

Loss rate: 2.00%

-- Flow 2:

Average throughput: 1.10 Mbit/s

95th percentile per-packet one-way delay: 135.283 ms

Loss rate: 1.89%

-- Flow 3:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 136.093 ms

Loss rate: 5.23%

Run 10: Report of WebRTC media — Data Link

