

Pantheon Report

Generated at 2018-07-03 21:53:12 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

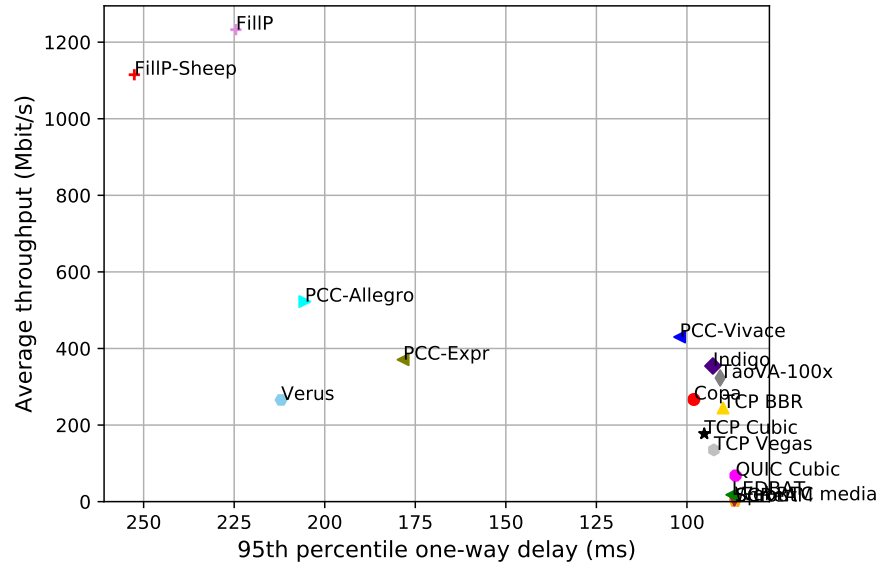
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

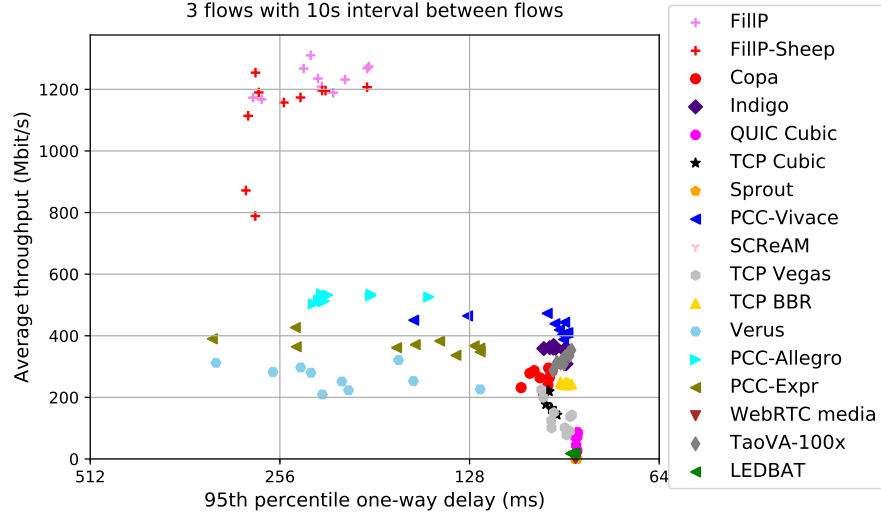
Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
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 Sydney to GCE Iowa, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



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



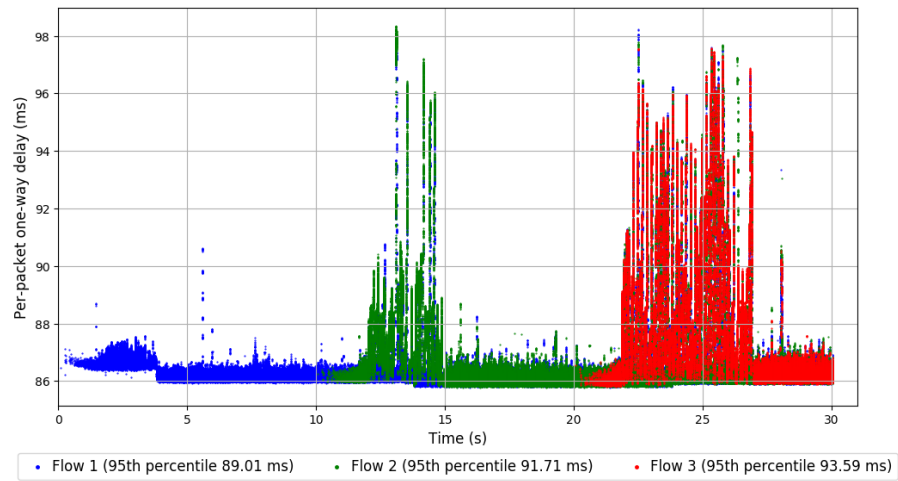
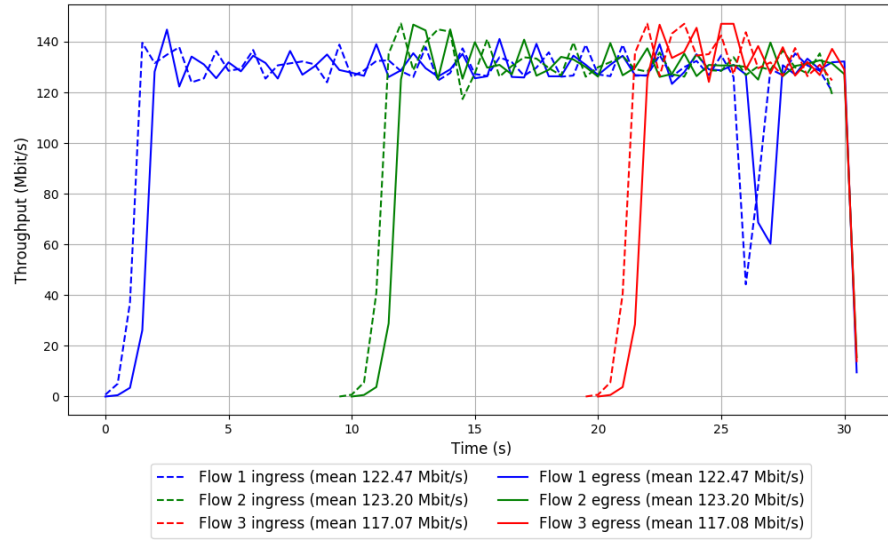
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	124.42	122.97	114.89	88.60	90.47	92.19	0.02	0.00	0.00
Copa	10	155.24	115.75	103.74	97.78	98.50	95.82	0.01	0.01	0.02
TCP Cubic	10	100.42	78.06	75.03	95.53	93.39	95.00	0.02	0.01	0.04
FillP	10	655.86	613.90	507.06	211.84	249.92	199.78	6.46	7.30	6.10
FillP-Sheep	10	574.12	559.45	508.15	260.82	219.62	173.13	7.98	8.79	3.76
Indigo	10	190.11	176.93	145.17	91.79	93.18	94.50	0.00	0.00	0.04
LEDBAT	10	11.54	7.66	3.79	87.79	87.42	87.17	0.00	0.00	0.00
PCC-Allegro	10	473.04	49.68	49.71	205.54	201.05	196.24	1.85	1.65	2.98
PCC-Expr	10	231.59	170.91	77.19	189.37	159.23	119.69	3.35	0.38	0.61
QUIC Cubic	10	38.90	34.87	18.51	86.47	86.58	86.52	0.00	0.00	0.00
SCReAM	10	0.22	0.22	0.22	86.52	86.60	86.56	0.00	0.00	0.00
Sprout	10	0.26	0.31	0.36	86.69	86.65	86.69	0.00	0.00	0.00
TaoVA-100x	10	177.19	160.21	122.13	89.60	91.64	93.22	0.00	0.01	0.01
TCP Vegas	10	64.81	80.36	50.68	91.00	93.15	91.95	0.00	0.01	0.07
Verus	10	154.95	118.84	97.69	178.23	221.25	232.04	1.45	2.56	2.12
PCC-Vivace	10	252.22	200.90	133.71	112.19	90.85	88.94	0.04	0.00	0.01
WebRTC media	10	1.98	1.23	0.46	86.75	86.85	86.73	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-03 14:55:52
End at: 2018-07-03 14:56:22
Local clock offset: -0.038 ms
Remote clock offset: -0.177 ms

Below is generated by plot.py at 2018-07-03 19:26:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 243.58 Mbit/s
95th percentile per-packet one-way delay: 91.581 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 122.47 Mbit/s
95th percentile per-packet one-way delay: 89.008 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 123.20 Mbit/s
95th percentile per-packet one-way delay: 91.707 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 117.08 Mbit/s
95th percentile per-packet one-way delay: 93.594 ms
Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

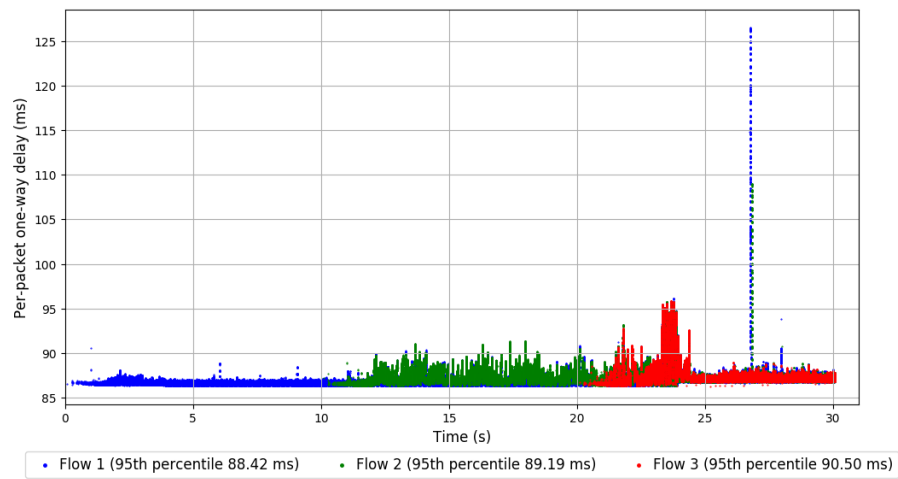
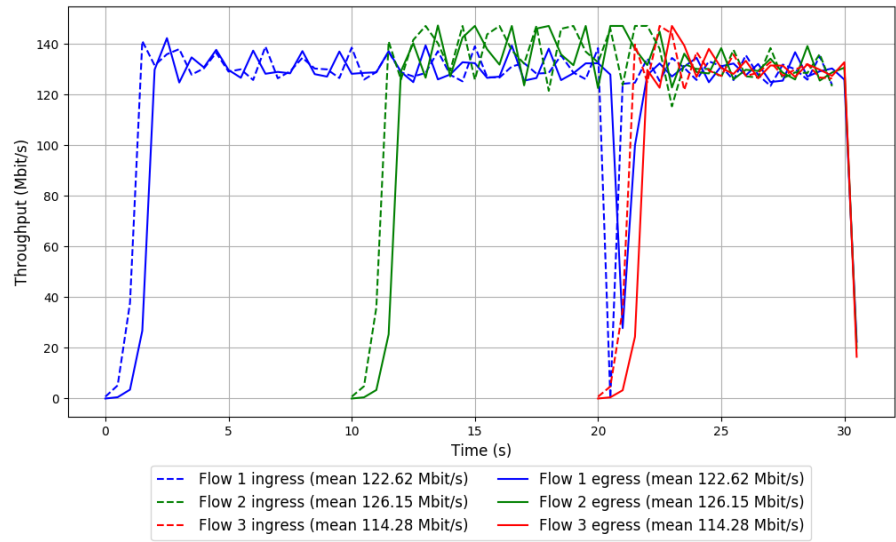


Run 2: Statistics of TCP BBR

Start at: 2018-07-03 15:21:32
End at: 2018-07-03 15:22:02
Local clock offset: -0.212 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-07-03 19:26:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 244.61 Mbit/s
95th percentile per-packet one-way delay: 88.981 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 122.62 Mbit/s
95th percentile per-packet one-way delay: 88.415 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 126.15 Mbit/s
95th percentile per-packet one-way delay: 89.186 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 114.28 Mbit/s
95th percentile per-packet one-way delay: 90.498 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

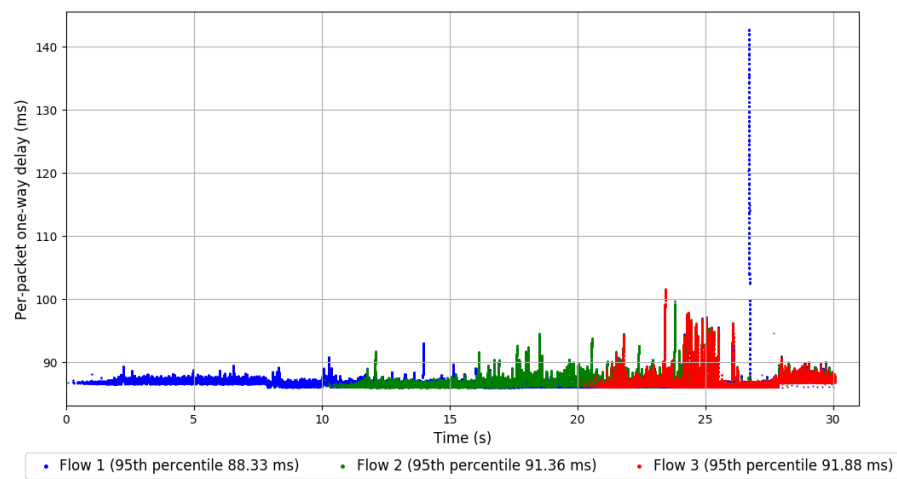
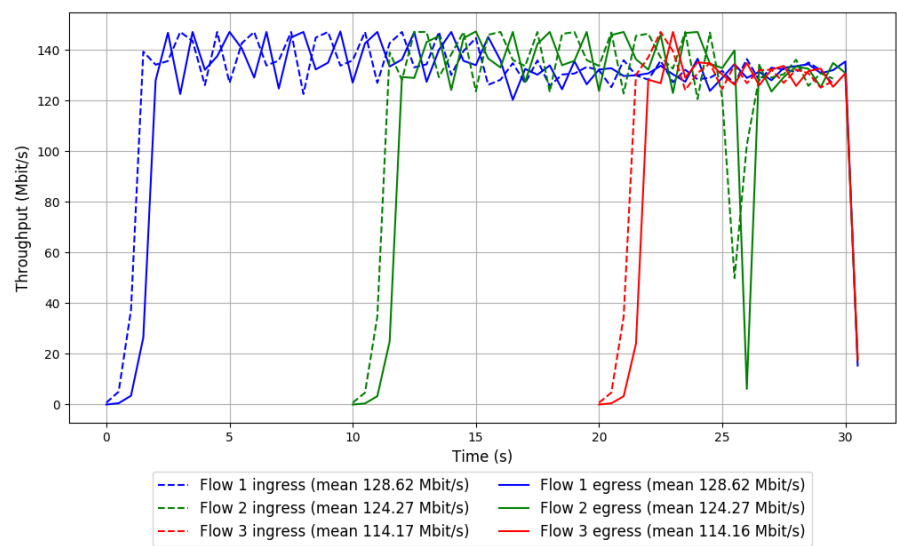


Run 3: Statistics of TCP BBR

Start at: 2018-07-03 15:47:18
End at: 2018-07-03 15:47:48
Local clock offset: -0.141 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-07-03 19:26:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 249.34 Mbit/s
95th percentile per-packet one-way delay: 89.861 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 128.62 Mbit/s
95th percentile per-packet one-way delay: 88.330 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 124.27 Mbit/s
95th percentile per-packet one-way delay: 91.360 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 114.16 Mbit/s
95th percentile per-packet one-way delay: 91.877 ms
Loss rate: 0.01%

Run 3: Report of TCP BBR — Data Link

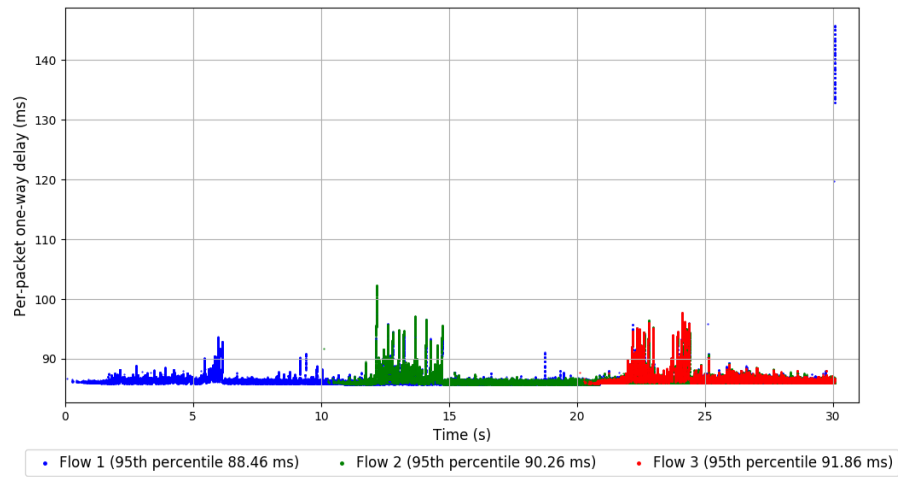
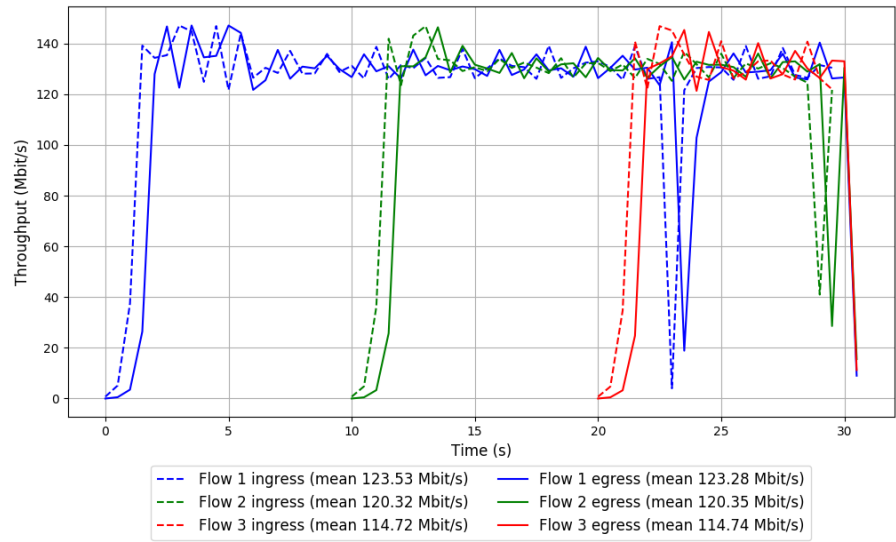


Run 4: Statistics of TCP BBR

Start at: 2018-07-03 16:12:55
End at: 2018-07-03 16:13:25
Local clock offset: 0.111 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-03 19:26:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 241.56 Mbit/s
95th percentile per-packet one-way delay: 89.813 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 123.28 Mbit/s
95th percentile per-packet one-way delay: 88.460 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 120.35 Mbit/s
95th percentile per-packet one-way delay: 90.263 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 114.74 Mbit/s
95th percentile per-packet one-way delay: 91.856 ms
Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-03 16:38:35

End at: 2018-07-03 16:39:05

Local clock offset: 0.153 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-07-03 19:26:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 242.93 Mbit/s

95th percentile per-packet one-way delay: 88.165 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 124.11 Mbit/s

95th percentile per-packet one-way delay: 87.217 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 121.42 Mbit/s

95th percentile per-packet one-way delay: 88.622 ms

Loss rate: 0.00%

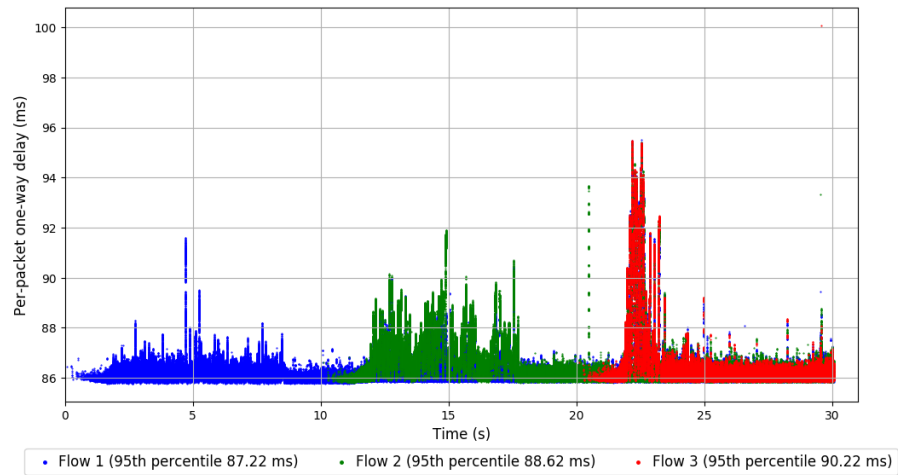
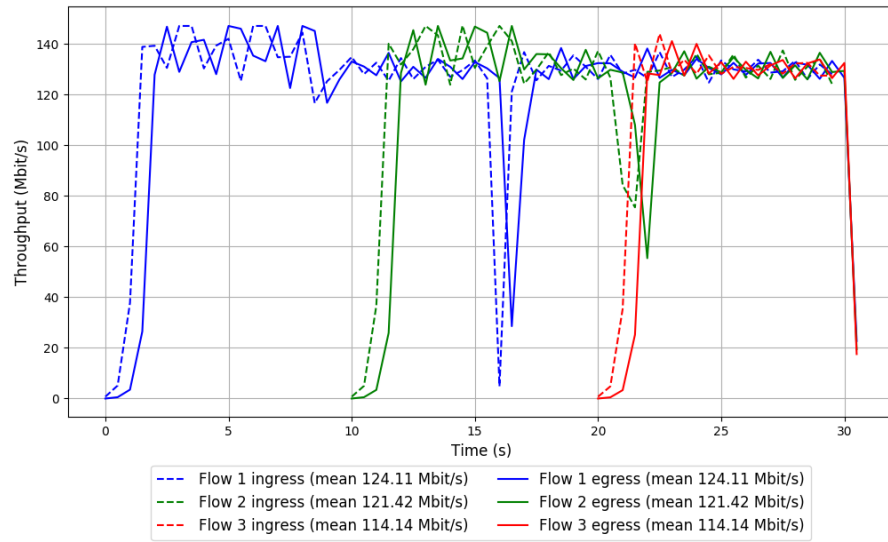
-- Flow 3:

Average throughput: 114.14 Mbit/s

95th percentile per-packet one-way delay: 90.224 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link

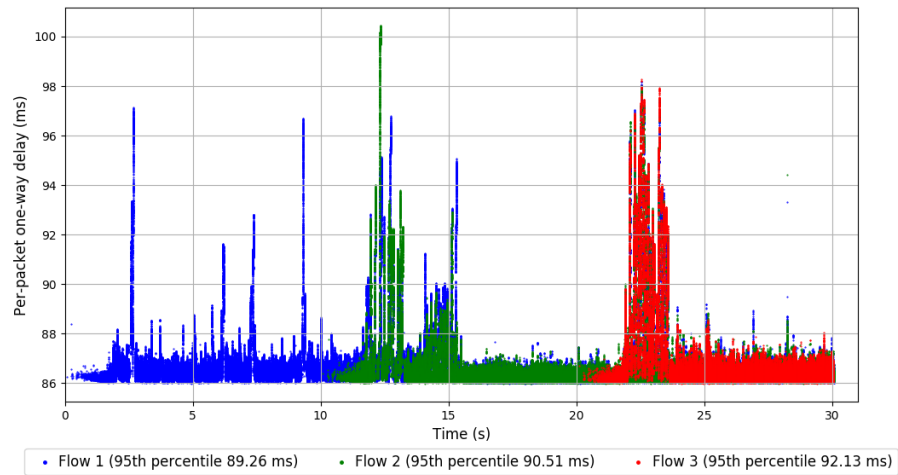
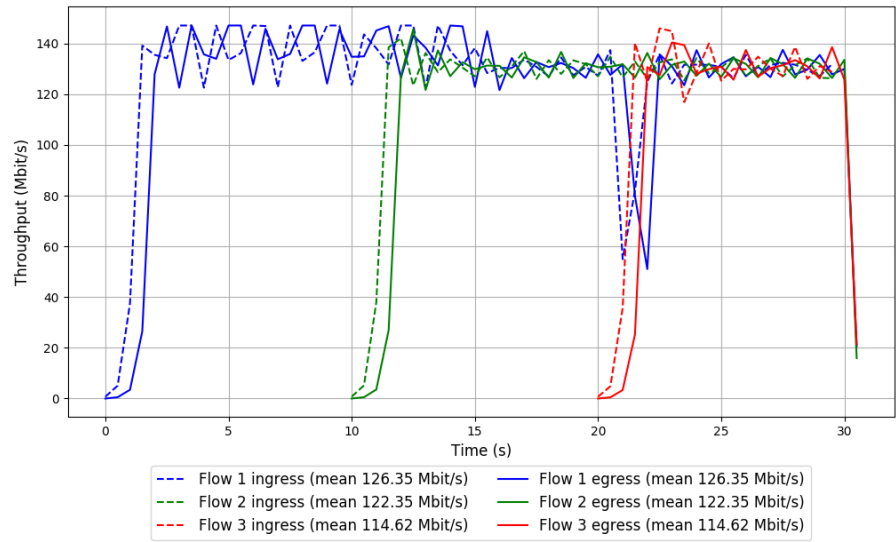


Run 6: Statistics of TCP BBR

Start at: 2018-07-03 17:04:16
End at: 2018-07-03 17:04:46
Local clock offset: -0.075 ms
Remote clock offset: -0.207 ms

Below is generated by plot.py at 2018-07-03 19:26:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 245.96 Mbit/s
95th percentile per-packet one-way delay: 90.280 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 126.35 Mbit/s
95th percentile per-packet one-way delay: 89.256 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 122.35 Mbit/s
95th percentile per-packet one-way delay: 90.506 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 114.62 Mbit/s
95th percentile per-packet one-way delay: 92.130 ms
Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

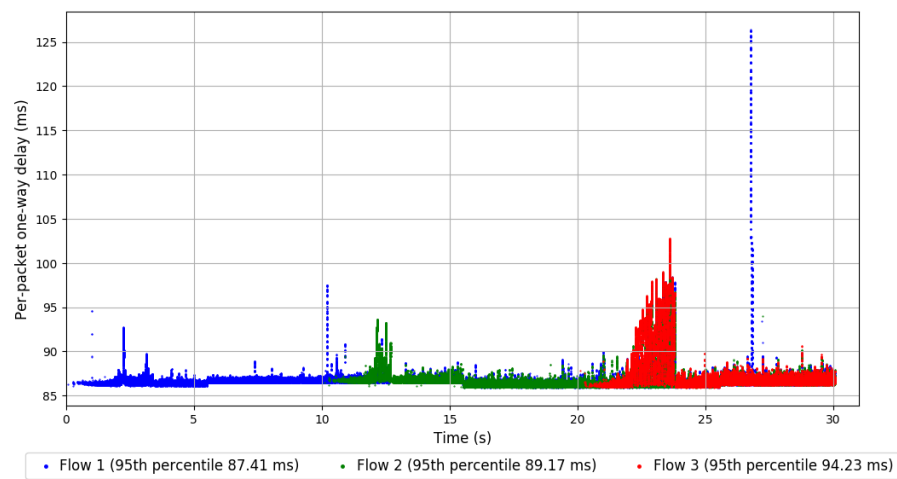
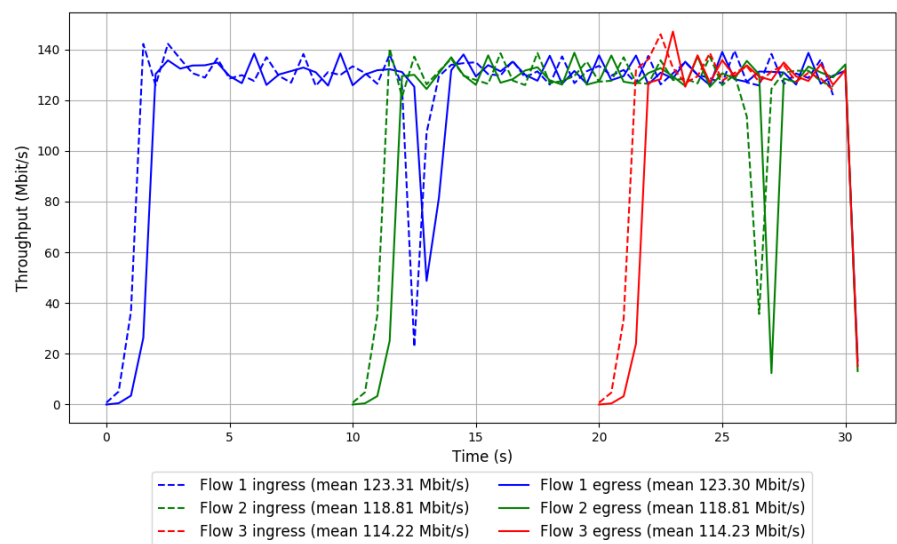


Run 7: Statistics of TCP BBR

Start at: 2018-07-03 17:29:51
End at: 2018-07-03 17:30:21
Local clock offset: -0.016 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-03 19:26:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 240.37 Mbit/s
95th percentile per-packet one-way delay: 89.453 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 123.30 Mbit/s
95th percentile per-packet one-way delay: 87.409 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 118.81 Mbit/s
95th percentile per-packet one-way delay: 89.169 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 114.23 Mbit/s
95th percentile per-packet one-way delay: 94.226 ms
Loss rate: 0.01%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-03 17:55:26

End at: 2018-07-03 17:55:56

Local clock offset: -0.011 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-07-03 19:26:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 250.50 Mbit/s

95th percentile per-packet one-way delay: 91.741 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 127.65 Mbit/s

95th percentile per-packet one-way delay: 89.983 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 125.97 Mbit/s

95th percentile per-packet one-way delay: 92.041 ms

Loss rate: 0.00%

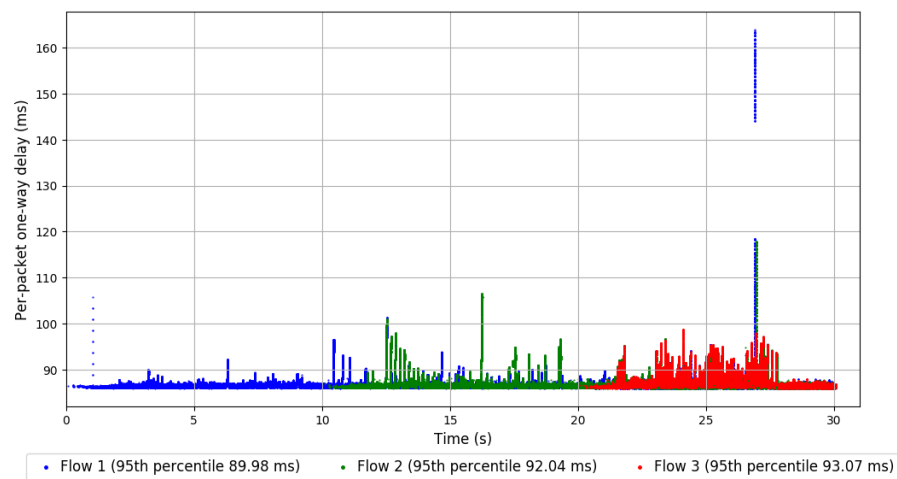
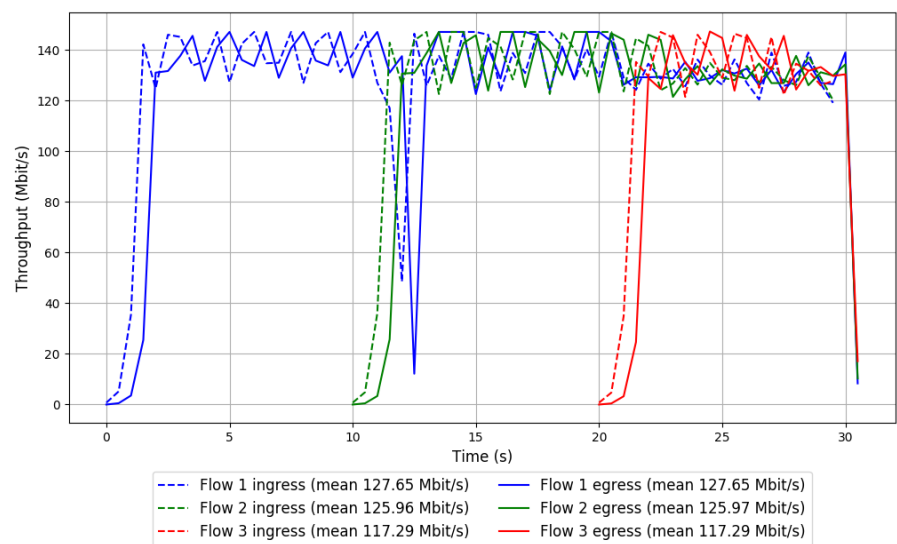
-- Flow 3:

Average throughput: 117.29 Mbit/s

95th percentile per-packet one-way delay: 93.072 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-03 18:21:12

End at: 2018-07-03 18:21:42

Local clock offset: -0.006 ms

Remote clock offset: 0.068 ms

Below is generated by plot.py at 2018-07-03 19:29:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 244.16 Mbit/s

95th percentile per-packet one-way delay: 90.090 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 123.30 Mbit/s

95th percentile per-packet one-way delay: 88.723 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 124.49 Mbit/s

95th percentile per-packet one-way delay: 90.881 ms

Loss rate: 0.00%

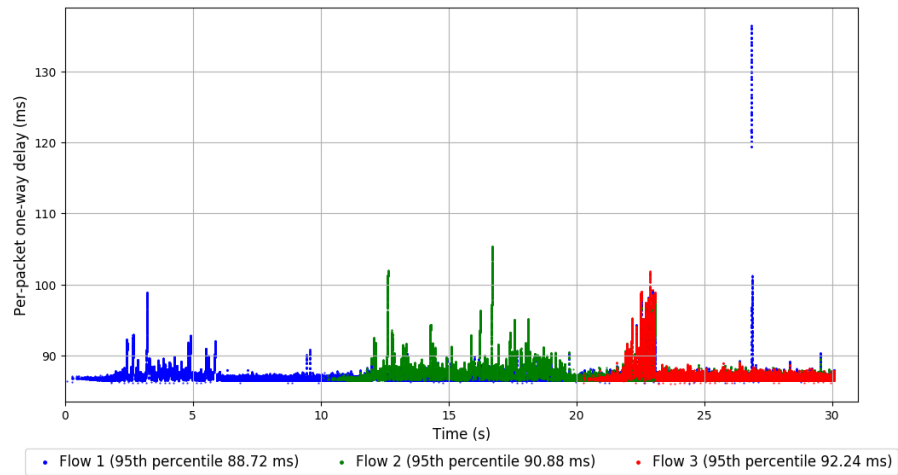
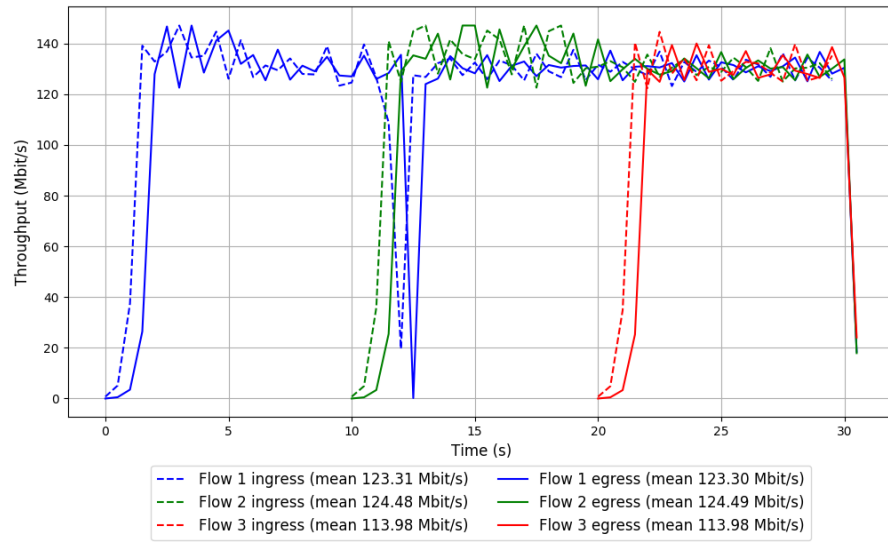
-- Flow 3:

Average throughput: 113.98 Mbit/s

95th percentile per-packet one-way delay: 92.242 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link

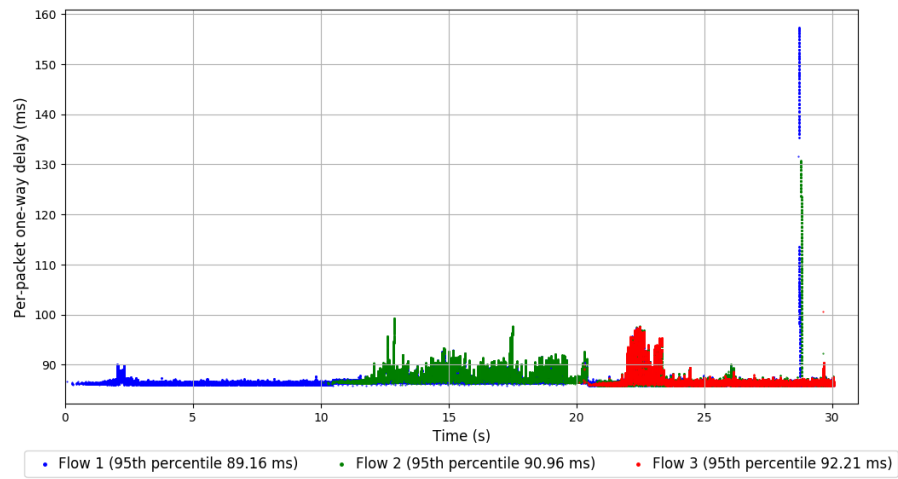
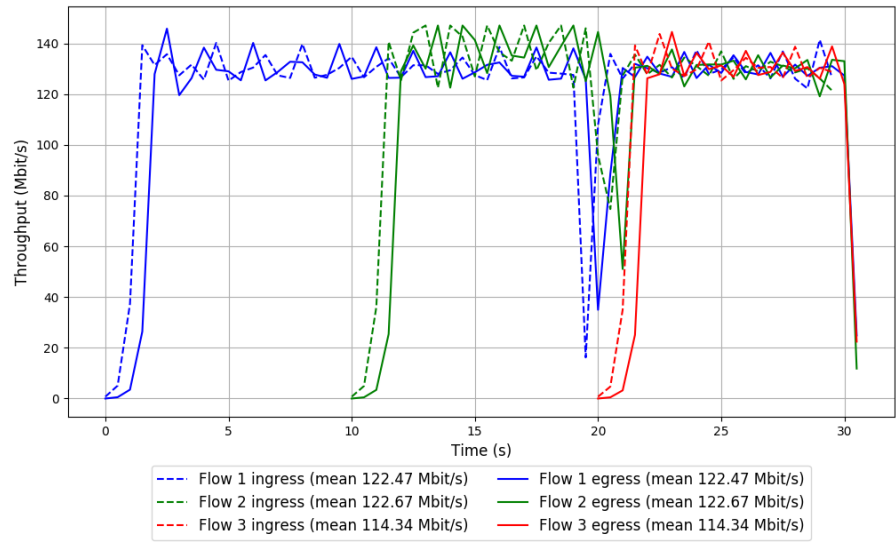


Run 10: Statistics of TCP BBR

Start at: 2018-07-03 18:46:46
End at: 2018-07-03 18:47:16
Local clock offset: 0.061 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-07-03 19:29:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 242.04 Mbit/s
95th percentile per-packet one-way delay: 90.318 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 122.47 Mbit/s
95th percentile per-packet one-way delay: 89.158 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 122.67 Mbit/s
95th percentile per-packet one-way delay: 90.963 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 114.34 Mbit/s
95th percentile per-packet one-way delay: 92.213 ms
Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

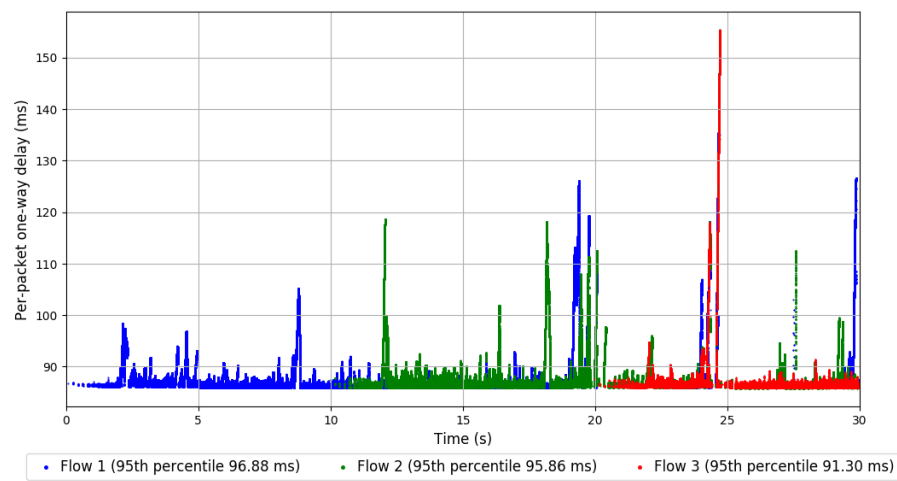
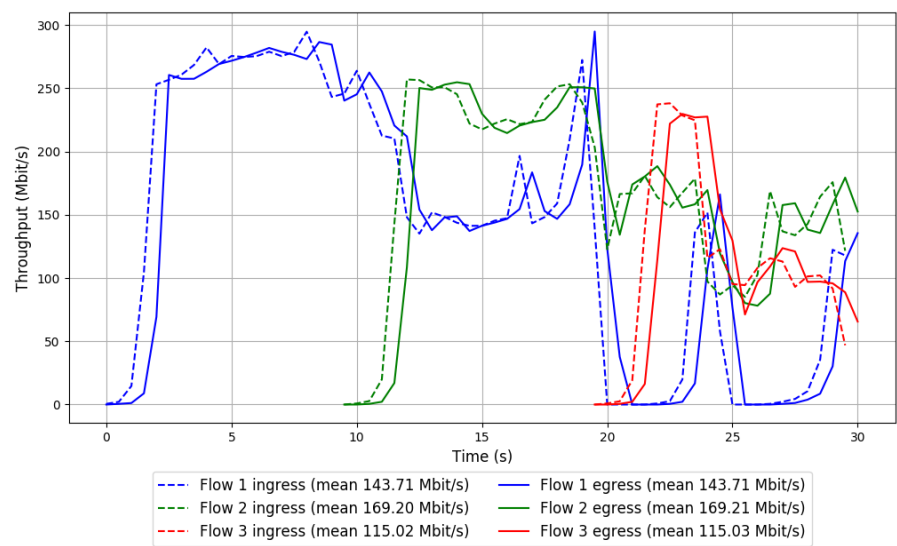


Run 1: Statistics of Copa

Start at: 2018-07-03 14:49:31
End at: 2018-07-03 14:50:01
Local clock offset: -0.107 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-07-03 19:34:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 295.22 Mbit/s
95th percentile per-packet one-way delay: 95.876 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 143.71 Mbit/s
95th percentile per-packet one-way delay: 96.881 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 169.21 Mbit/s
95th percentile per-packet one-way delay: 95.863 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 115.03 Mbit/s
95th percentile per-packet one-way delay: 91.302 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

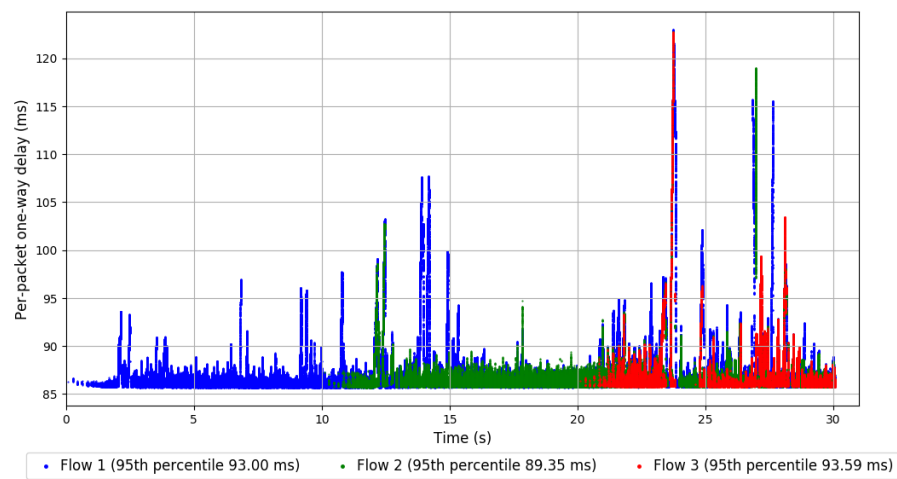
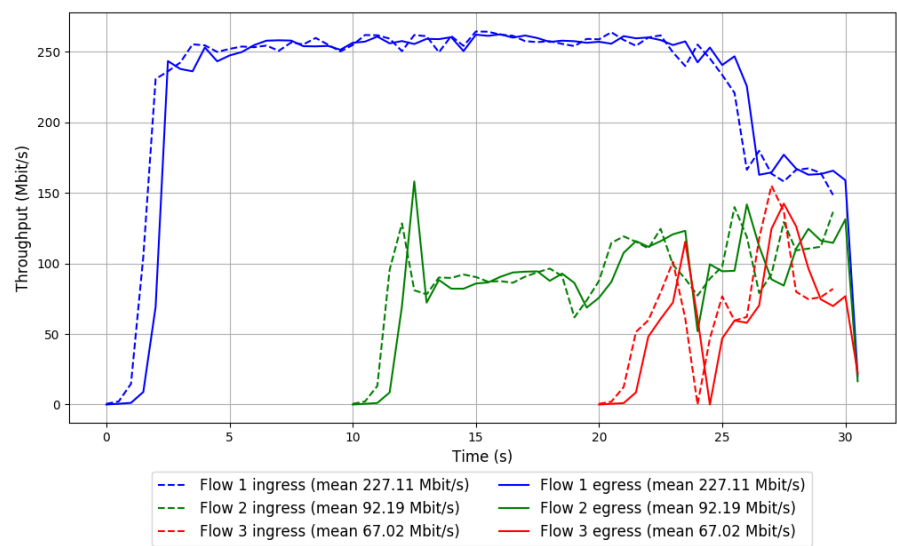


Run 2: Statistics of Copa

Start at: 2018-07-03 15:15:13
End at: 2018-07-03 15:15:43
Local clock offset: 0.2 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-07-03 19:35:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 310.79 Mbit/s
95th percentile per-packet one-way delay: 92.443 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 227.11 Mbit/s
95th percentile per-packet one-way delay: 93.000 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 92.19 Mbit/s
95th percentile per-packet one-way delay: 89.349 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 67.02 Mbit/s
95th percentile per-packet one-way delay: 93.590 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

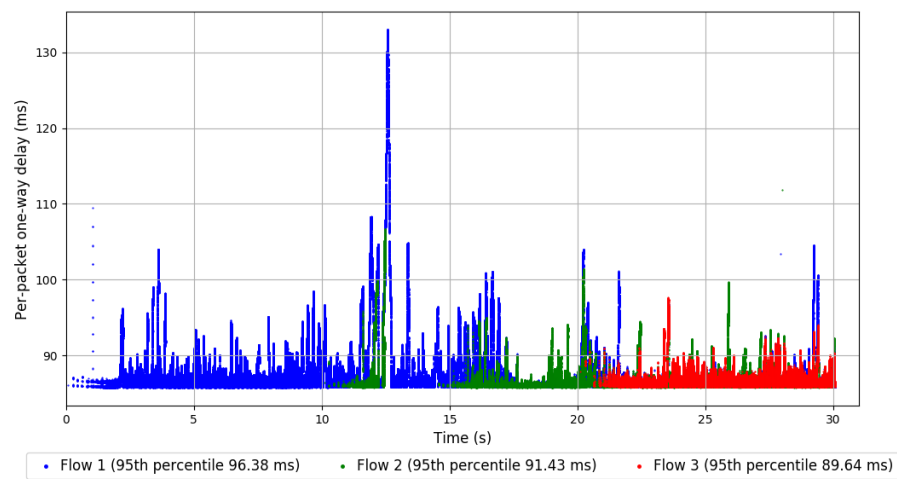
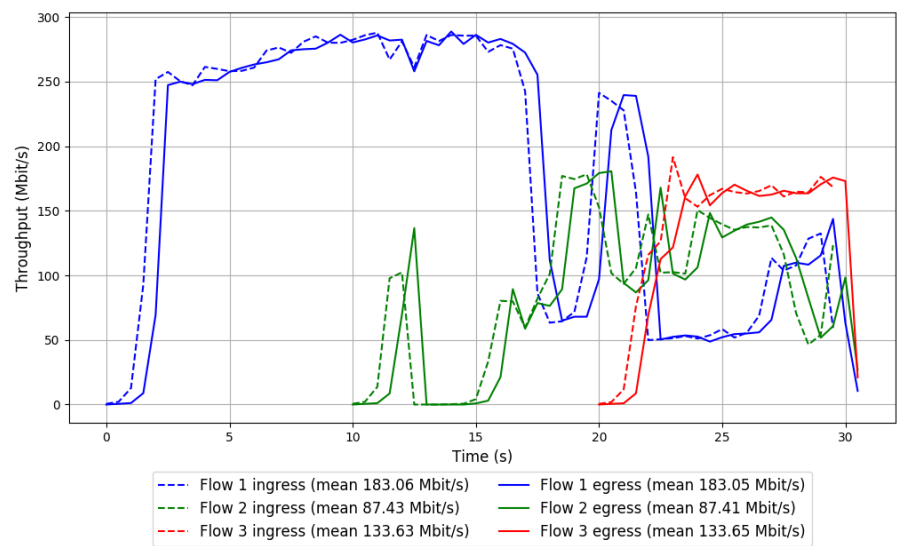


Run 3: Statistics of Copa

Start at: 2018-07-03 15:40:56
End at: 2018-07-03 15:41:26
Local clock offset: -0.055 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-07-03 19:35:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 285.62 Mbit/s
95th percentile per-packet one-way delay: 94.623 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 183.05 Mbit/s
95th percentile per-packet one-way delay: 96.381 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 87.41 Mbit/s
95th percentile per-packet one-way delay: 91.431 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 133.65 Mbit/s
95th percentile per-packet one-way delay: 89.642 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-03 16:06:39

End at: 2018-07-03 16:07:09

Local clock offset: -0.194 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-07-03 19:35:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 265.20 Mbit/s

95th percentile per-packet one-way delay: 95.532 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 118.45 Mbit/s

95th percentile per-packet one-way delay: 89.897 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 168.51 Mbit/s

95th percentile per-packet one-way delay: 97.879 ms

Loss rate: 0.00%

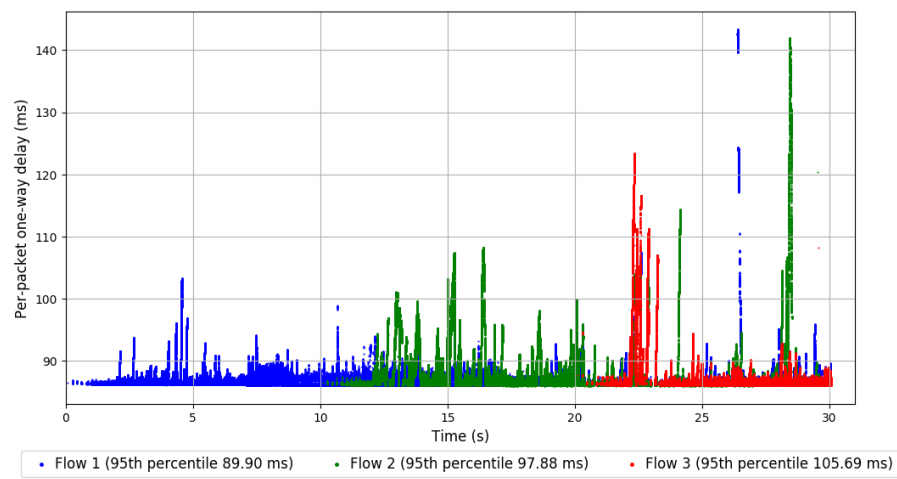
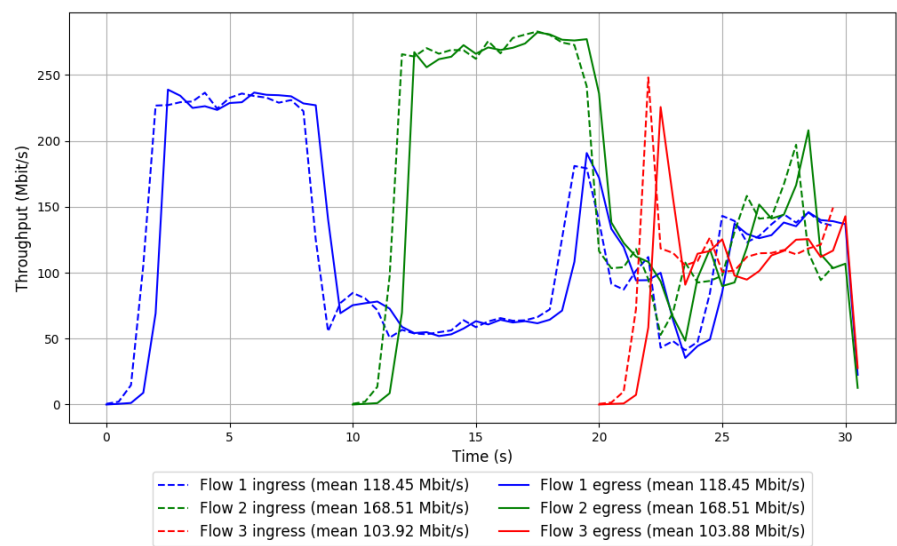
-- Flow 3:

Average throughput: 103.88 Mbit/s

95th percentile per-packet one-way delay: 105.685 ms

Loss rate: 0.05%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-03 16:32:19

End at: 2018-07-03 16:32:49

Local clock offset: 0.13 ms

Remote clock offset: 0.091 ms

Below is generated by plot.py at 2018-07-03 19:35:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 278.20 Mbit/s

95th percentile per-packet one-way delay: 102.688 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 170.33 Mbit/s

95th percentile per-packet one-way delay: 100.382 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 108.75 Mbit/s

95th percentile per-packet one-way delay: 106.332 ms

Loss rate: 0.00%

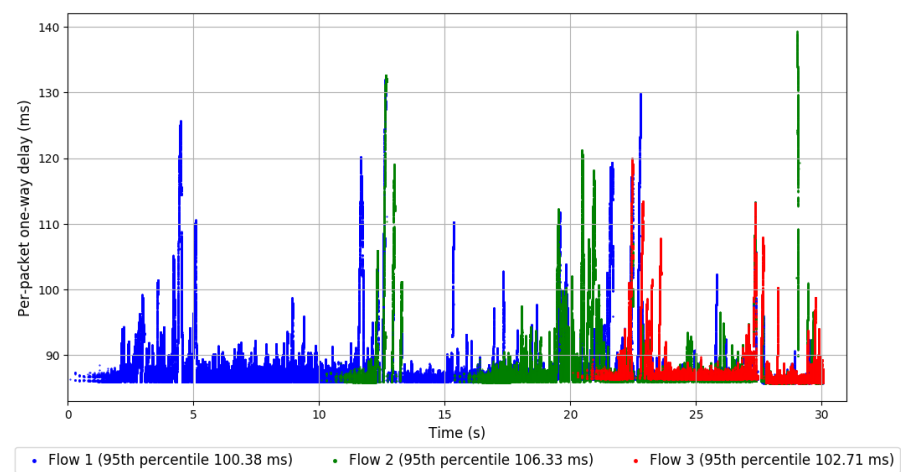
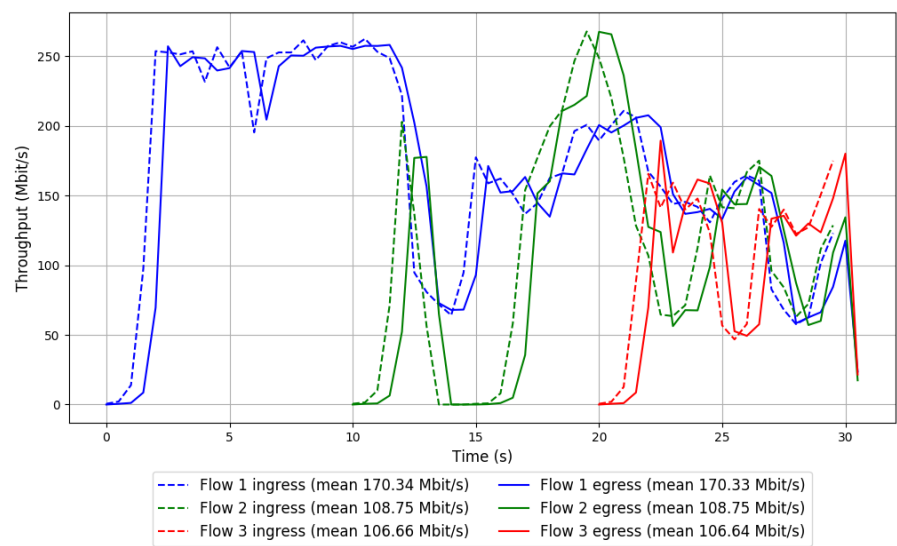
-- Flow 3:

Average throughput: 106.64 Mbit/s

95th percentile per-packet one-way delay: 102.712 ms

Loss rate: 0.02%

Run 5: Report of Copa — Data Link

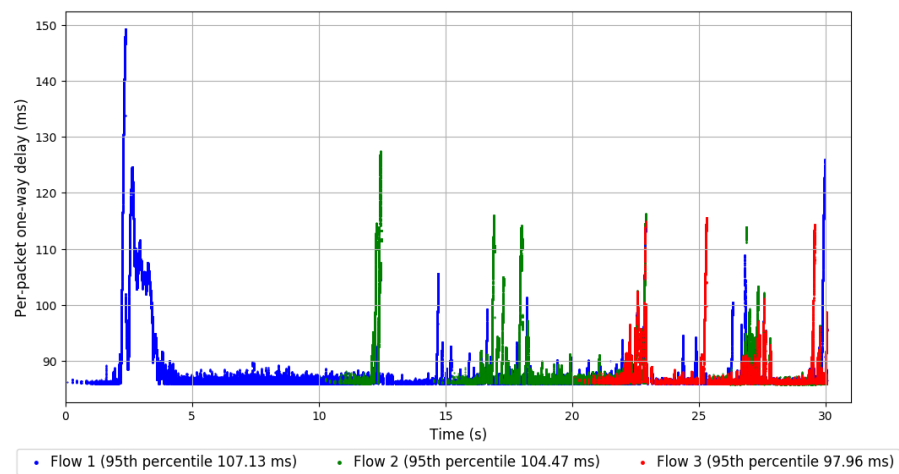
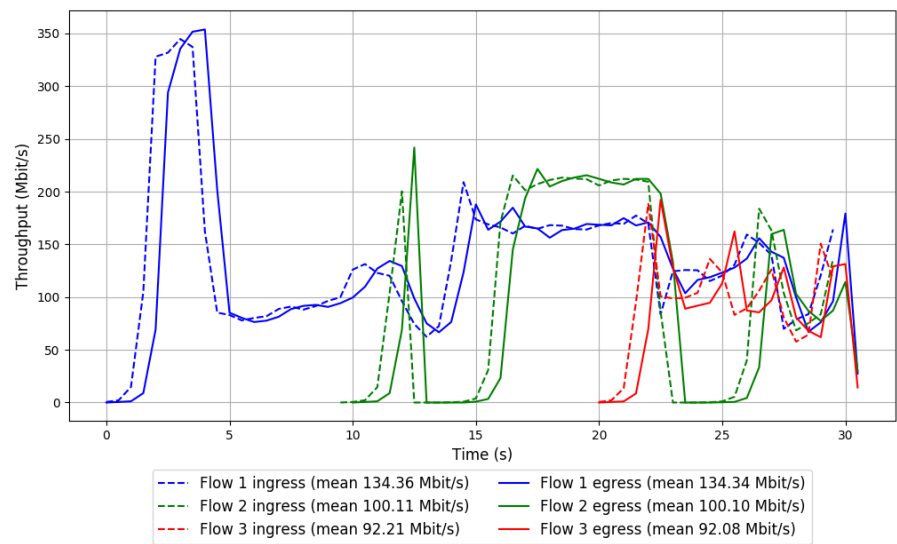


Run 6: Statistics of Copa

Start at: 2018-07-03 16:58:03
End at: 2018-07-03 16:58:33
Local clock offset: 0.077 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-03 19:35:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 231.64 Mbit/s
95th percentile per-packet one-way delay: 106.002 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 134.34 Mbit/s
95th percentile per-packet one-way delay: 107.132 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 100.10 Mbit/s
95th percentile per-packet one-way delay: 104.466 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 92.08 Mbit/s
95th percentile per-packet one-way delay: 97.960 ms
Loss rate: 0.14%

Run 6: Report of Copa — Data Link

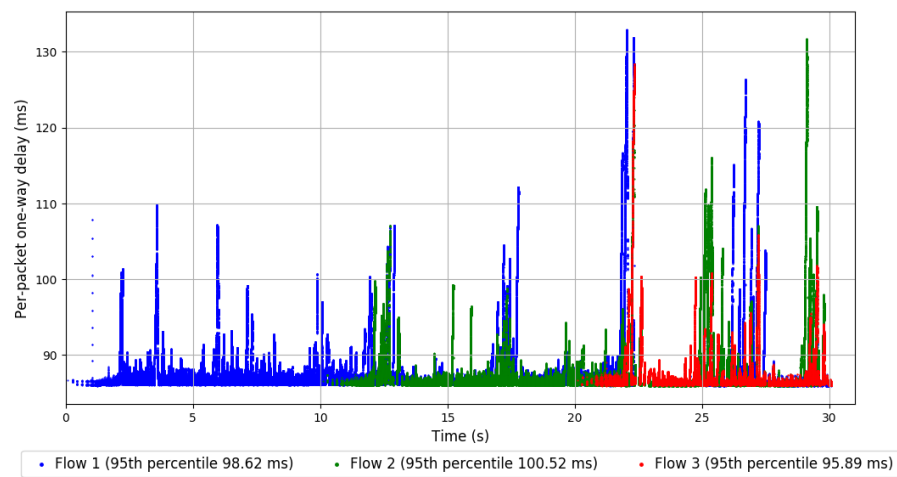
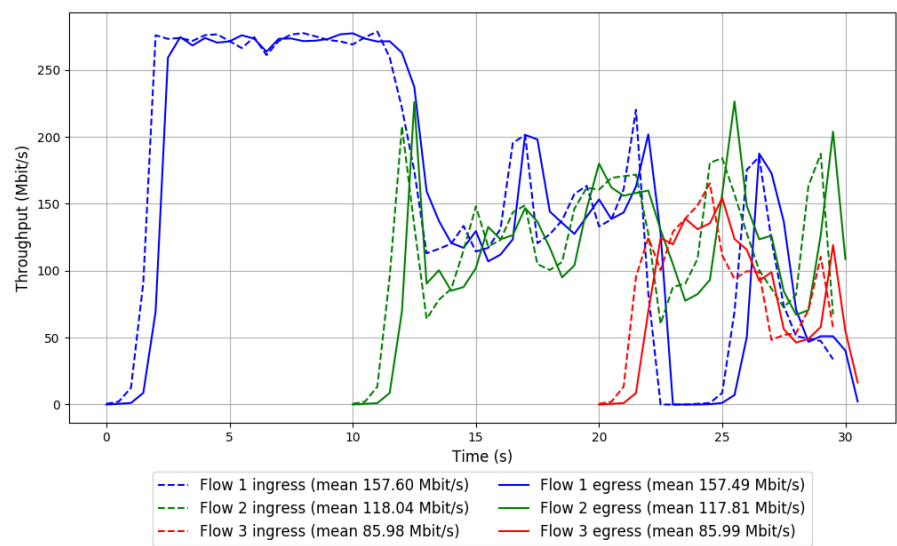


Run 7: Statistics of Copa

Start at: 2018-07-03 17:23:35
End at: 2018-07-03 17:24:05
Local clock offset: 0.011 ms
Remote clock offset: -0.022 ms

```
# Below is generated by plot.py at 2018-07-03 19:38:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 263.58 Mbit/s
95th percentile per-packet one-way delay: 98.959 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 157.49 Mbit/s
95th percentile per-packet one-way delay: 98.623 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 117.81 Mbit/s
95th percentile per-packet one-way delay: 100.519 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 85.99 Mbit/s
95th percentile per-packet one-way delay: 95.890 ms
Loss rate: 0.00%
```


Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-03 17:49:16

End at: 2018-07-03 17:49:46

Local clock offset: 0.018 ms

Remote clock offset: 0.1 ms

Below is generated by plot.py at 2018-07-03 19:38:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 240.05 Mbit/s

95th percentile per-packet one-way delay: 96.117 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 112.89 Mbit/s

95th percentile per-packet one-way delay: 94.722 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 103.28 Mbit/s

95th percentile per-packet one-way delay: 101.776 ms

Loss rate: 0.00%

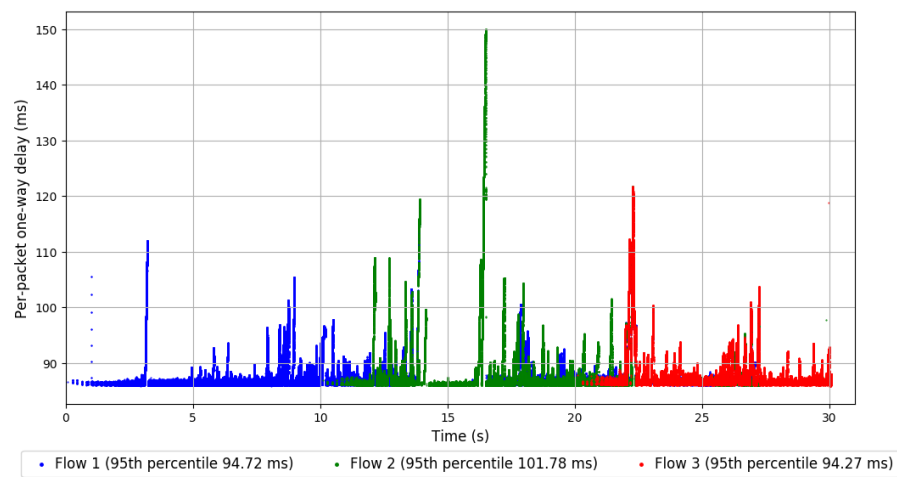
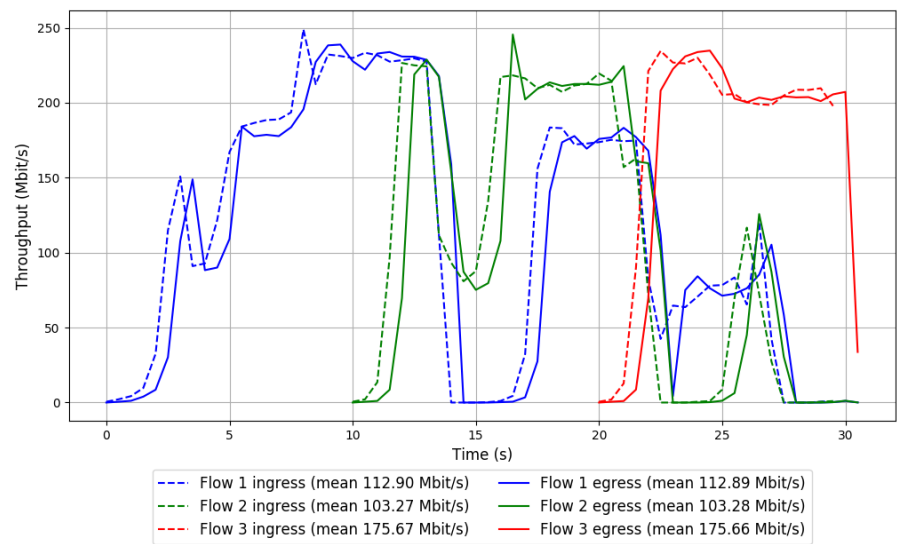
-- Flow 3:

Average throughput: 175.66 Mbit/s

95th percentile per-packet one-way delay: 94.274 ms

Loss rate: 0.01%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-03 18:15:01

End at: 2018-07-03 18:15:31

Local clock offset: -0.011 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2018-07-03 19:40:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 210.67 Mbit/s

95th percentile per-packet one-way delay: 97.635 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 130.48 Mbit/s

95th percentile per-packet one-way delay: 97.582 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 90.73 Mbit/s

95th percentile per-packet one-way delay: 97.181 ms

Loss rate: 0.00%

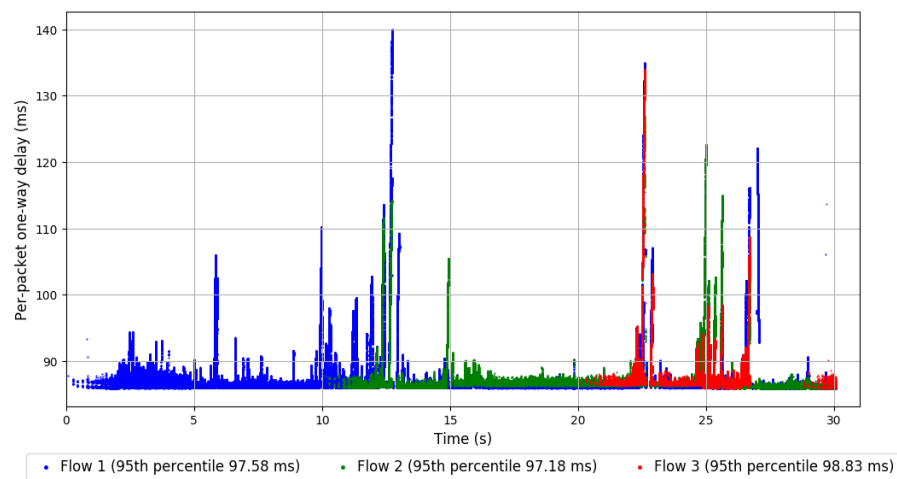
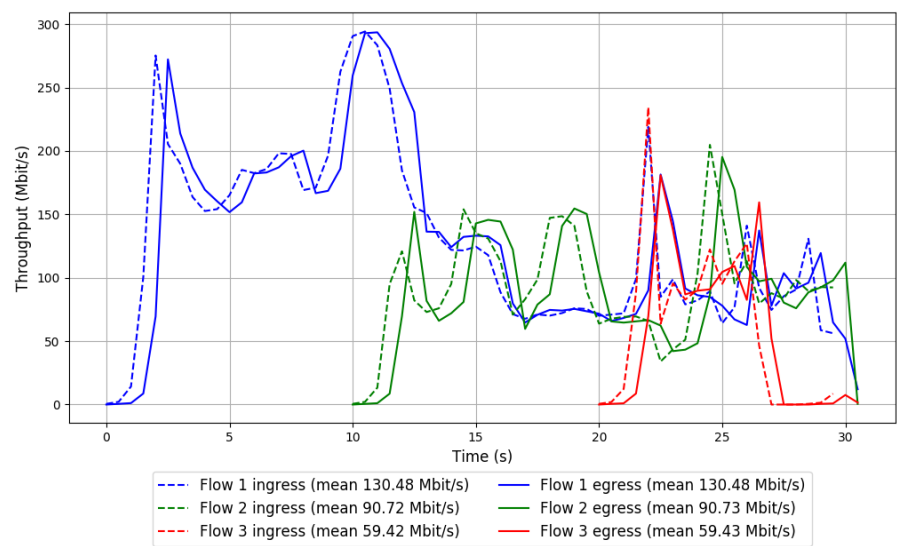
-- Flow 3:

Average throughput: 59.43 Mbit/s

95th percentile per-packet one-way delay: 98.825 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link

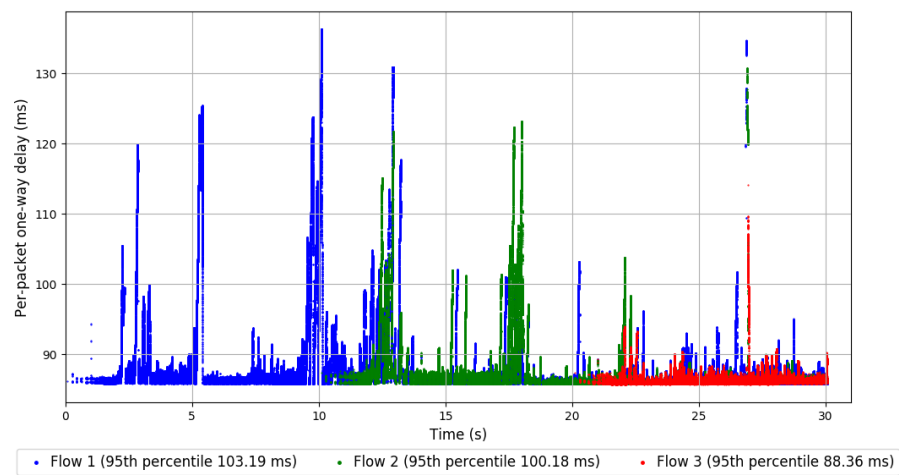
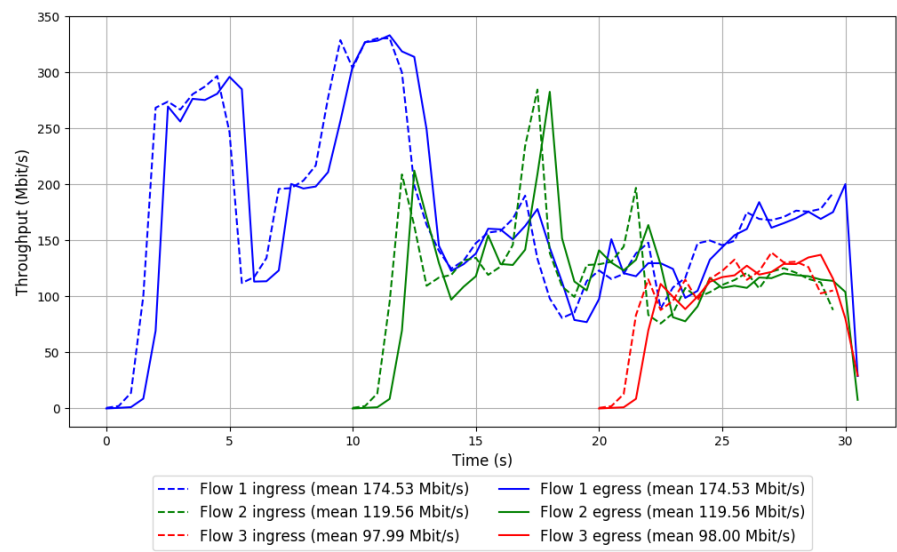


Run 10: Statistics of Copa

Start at: 2018-07-03 18:40:28
End at: 2018-07-03 18:40:58
Local clock offset: 0.058 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-07-03 19:43:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 286.74 Mbit/s
95th percentile per-packet one-way delay: 101.072 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 174.53 Mbit/s
95th percentile per-packet one-way delay: 103.193 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 119.56 Mbit/s
95th percentile per-packet one-way delay: 100.180 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 98.00 Mbit/s
95th percentile per-packet one-way delay: 88.356 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

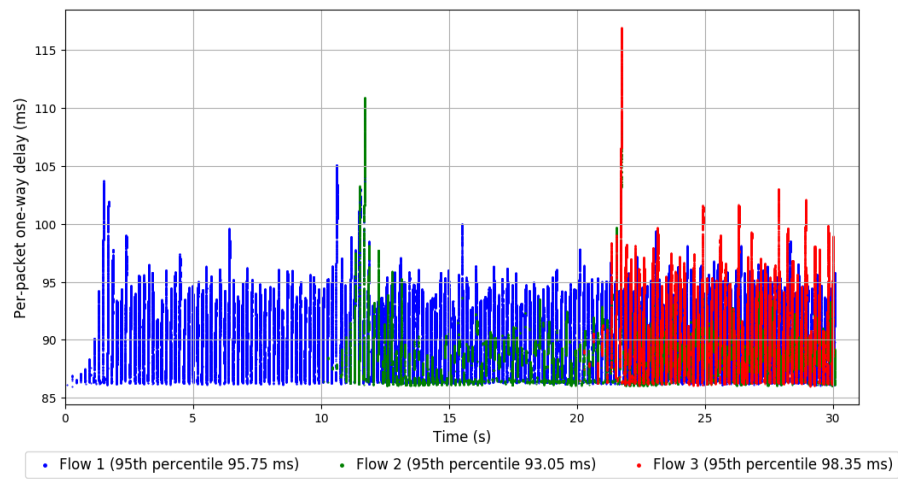
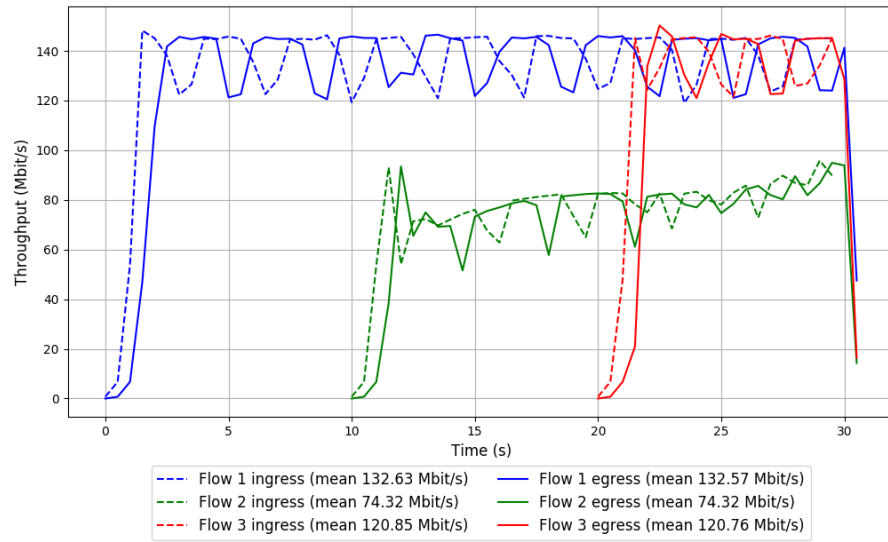


Run 1: Statistics of TCP Cubic

Start at: 2018-07-03 15:02:57
End at: 2018-07-03 15:03:27
Local clock offset: 0.034 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-07-03 19:43:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 222.00 Mbit/s
95th percentile per-packet one-way delay: 96.247 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 132.57 Mbit/s
95th percentile per-packet one-way delay: 95.747 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 74.32 Mbit/s
95th percentile per-packet one-way delay: 93.049 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 120.76 Mbit/s
95th percentile per-packet one-way delay: 98.352 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

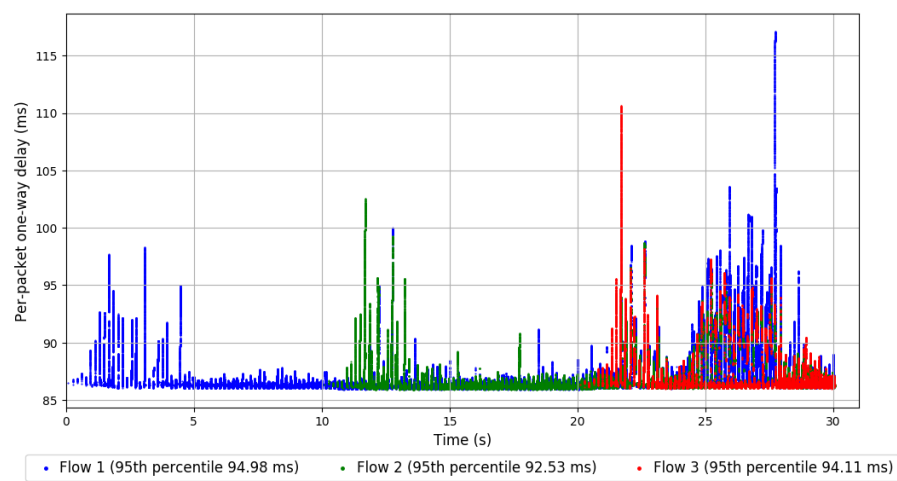
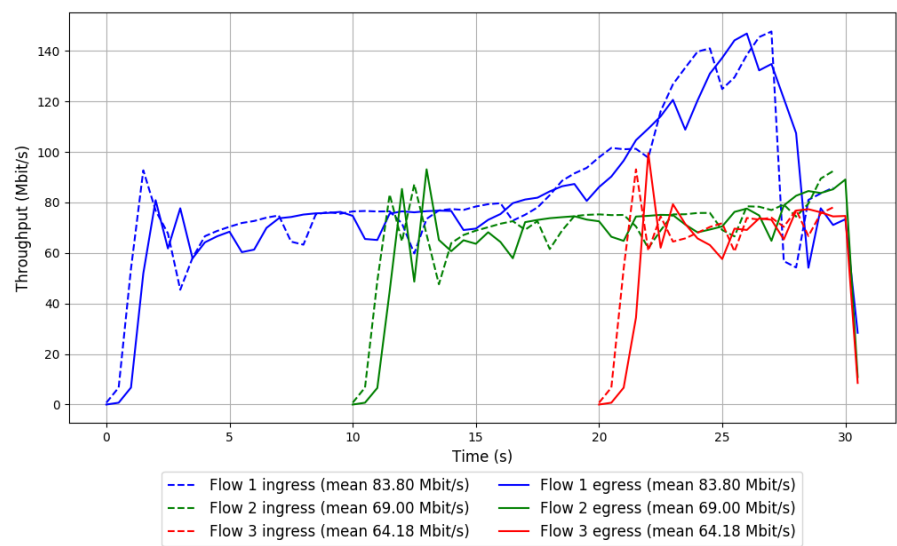


Run 2: Statistics of TCP Cubic

Start at: 2018-07-03 15:28:46
End at: 2018-07-03 15:29:16
Local clock offset: 0.108 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2018-07-03 19:43:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 150.99 Mbit/s
95th percentile per-packet one-way delay: 94.175 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.80 Mbit/s
95th percentile per-packet one-way delay: 94.984 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.00 Mbit/s
95th percentile per-packet one-way delay: 92.526 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.18 Mbit/s
95th percentile per-packet one-way delay: 94.110 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

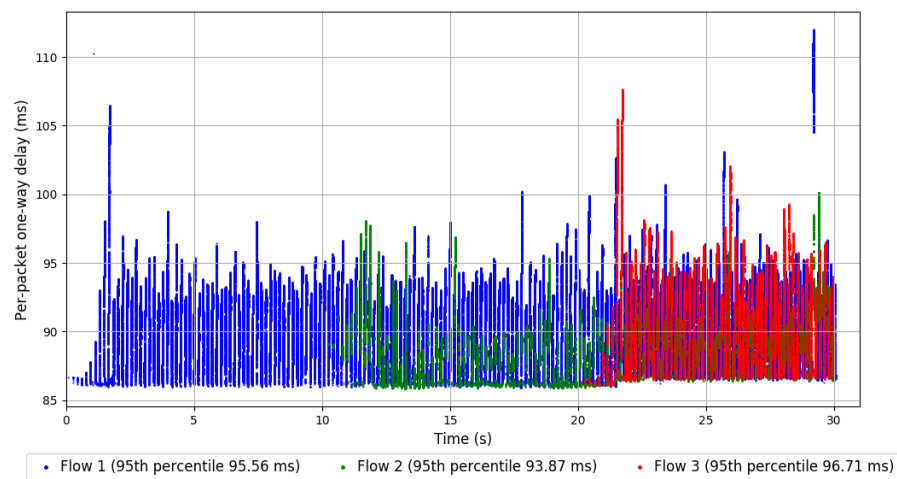
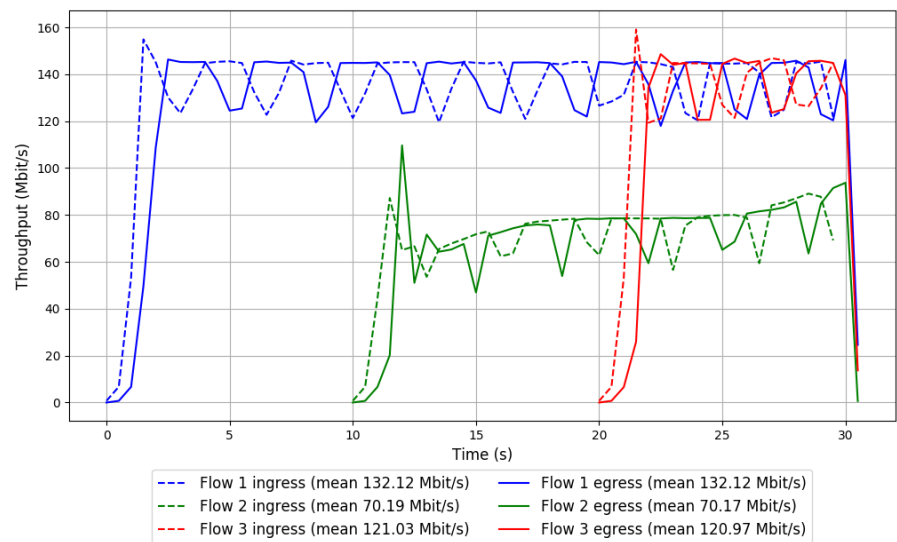


Run 3: Statistics of TCP Cubic

Start at: 2018-07-03 15:54:25
End at: 2018-07-03 15:54:55
Local clock offset: -0.003 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-03 19:43:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 218.78 Mbit/s
95th percentile per-packet one-way delay: 95.647 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.12 Mbit/s
95th percentile per-packet one-way delay: 95.555 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.17 Mbit/s
95th percentile per-packet one-way delay: 93.870 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 120.97 Mbit/s
95th percentile per-packet one-way delay: 96.709 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-03 16:20:01

End at: 2018-07-03 16:20:31

Local clock offset: -0.119 ms

Remote clock offset: 0.101 ms

Below is generated by plot.py at 2018-07-03 19:43:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 159.94 Mbit/s

95th percentile per-packet one-way delay: 94.820 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 90.14 Mbit/s

95th percentile per-packet one-way delay: 95.889 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 74.33 Mbit/s

95th percentile per-packet one-way delay: 92.165 ms

Loss rate: 0.08%

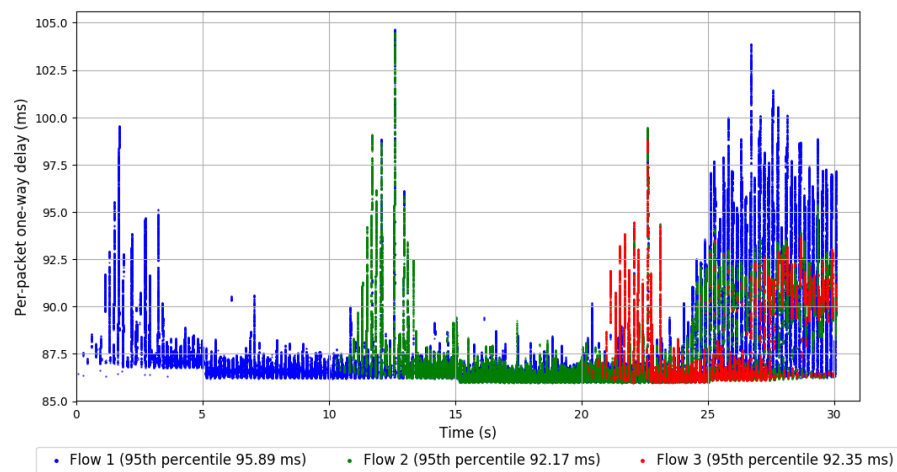
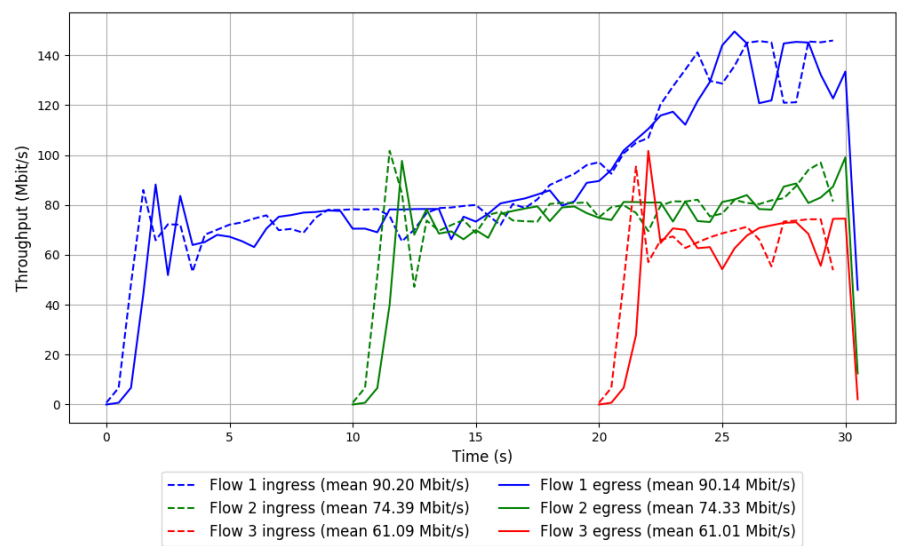
-- Flow 3:

Average throughput: 61.01 Mbit/s

95th percentile per-packet one-way delay: 92.351 ms

Loss rate: 0.14%

Run 4: Report of TCP Cubic — Data Link

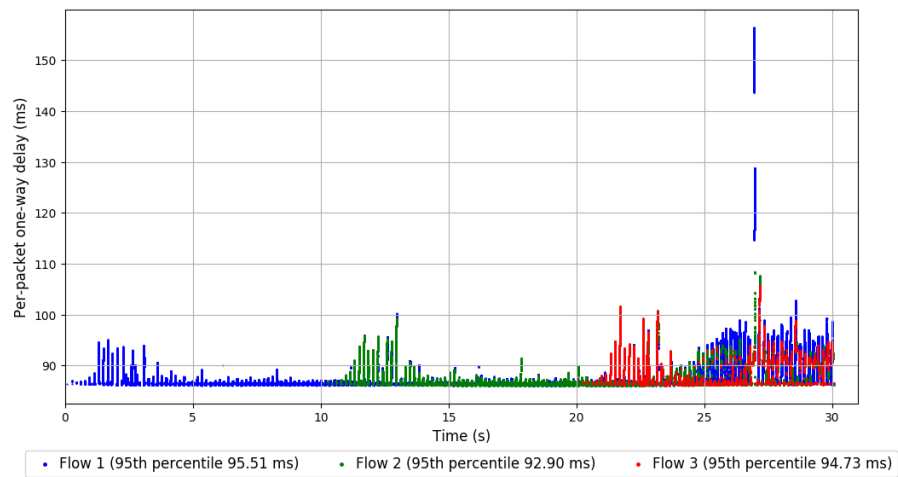
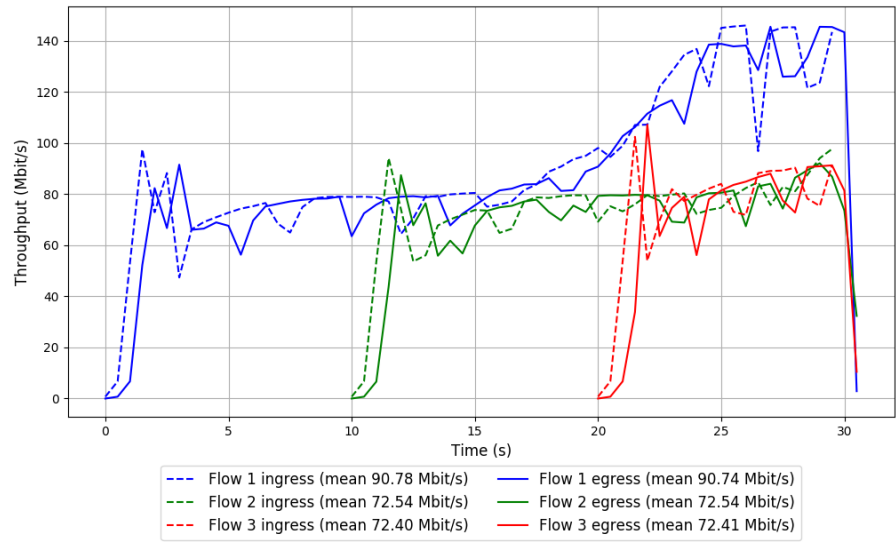


Run 5: Statistics of TCP Cubic

Start at: 2018-07-03 16:45:42
End at: 2018-07-03 16:46:12
Local clock offset: -0.198 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-07-03 19:43:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 162.86 Mbit/s
95th percentile per-packet one-way delay: 94.823 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.74 Mbit/s
95th percentile per-packet one-way delay: 95.507 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 72.54 Mbit/s
95th percentile per-packet one-way delay: 92.902 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 72.41 Mbit/s
95th percentile per-packet one-way delay: 94.732 ms
Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-03 17:11:24

End at: 2018-07-03 17:11:54

Local clock offset: -0.261 ms

Remote clock offset: -0.17 ms

Below is generated by plot.py at 2018-07-03 19:43:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 143.13 Mbit/s

95th percentile per-packet one-way delay: 92.956 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 77.52 Mbit/s

95th percentile per-packet one-way delay: 93.886 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 66.62 Mbit/s

95th percentile per-packet one-way delay: 90.886 ms

Loss rate: 0.00%

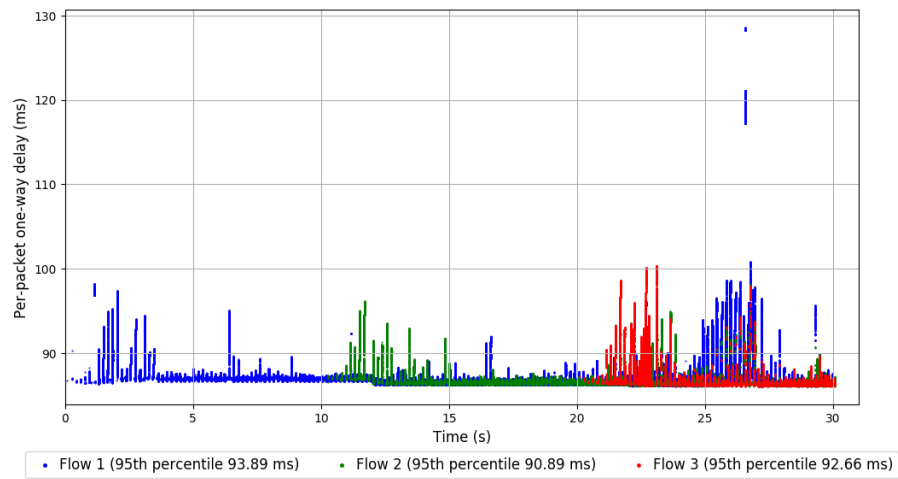
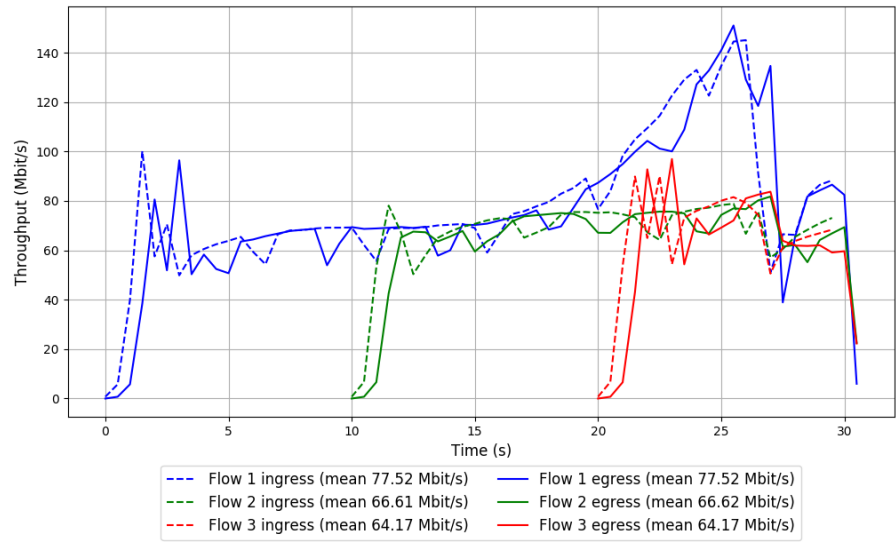
-- Flow 3:

Average throughput: 64.17 Mbit/s

95th percentile per-packet one-way delay: 92.661 ms

Loss rate: 0.01%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-03 17:36:53

End at: 2018-07-03 17:37:23

Local clock offset: 0.027 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-03 19:43:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 165.10 Mbit/s

95th percentile per-packet one-way delay: 94.891 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 89.64 Mbit/s

95th percentile per-packet one-way delay: 95.233 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 79.52 Mbit/s

95th percentile per-packet one-way delay: 93.769 ms

Loss rate: 0.04%

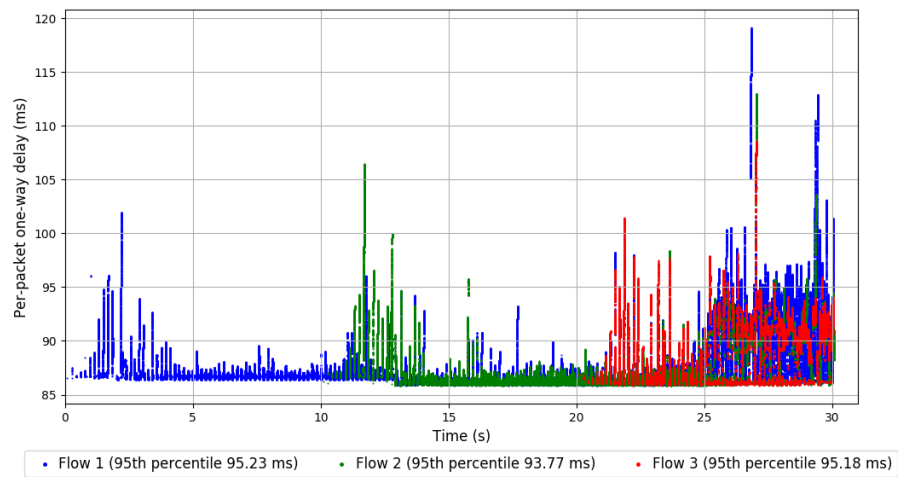
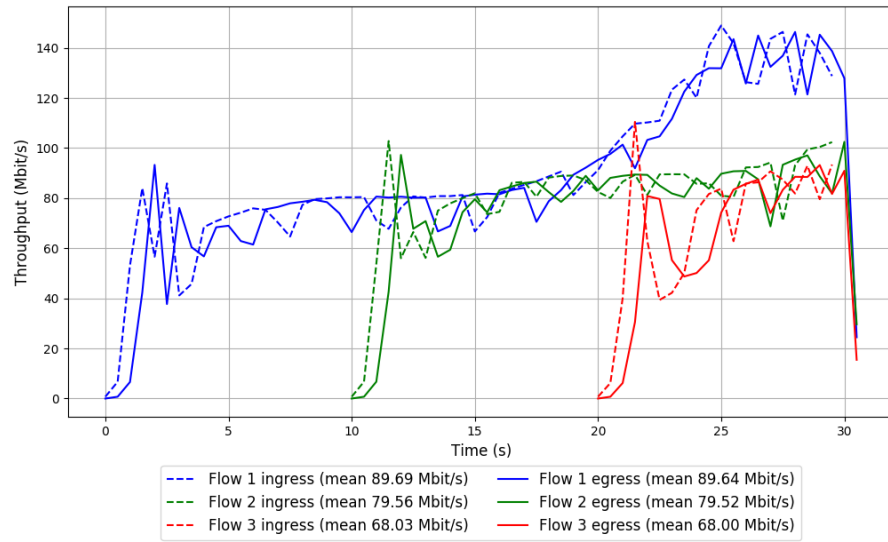
-- Flow 3:

Average throughput: 68.00 Mbit/s

95th percentile per-packet one-way delay: 95.177 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link

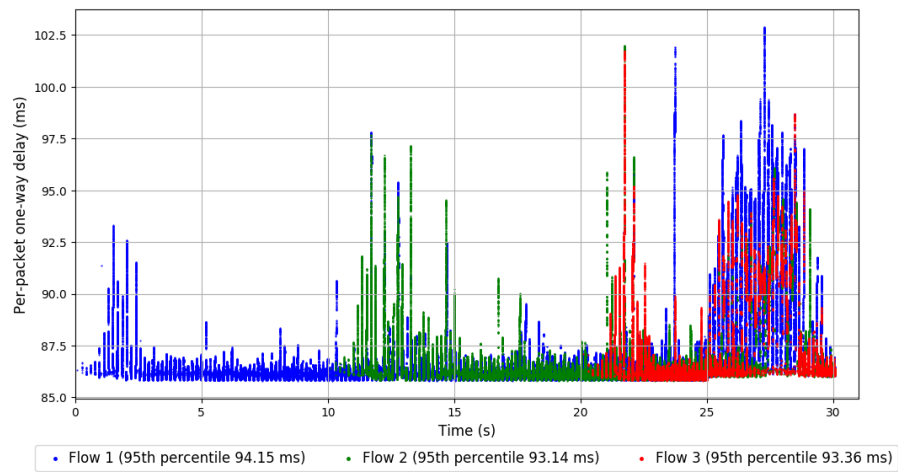
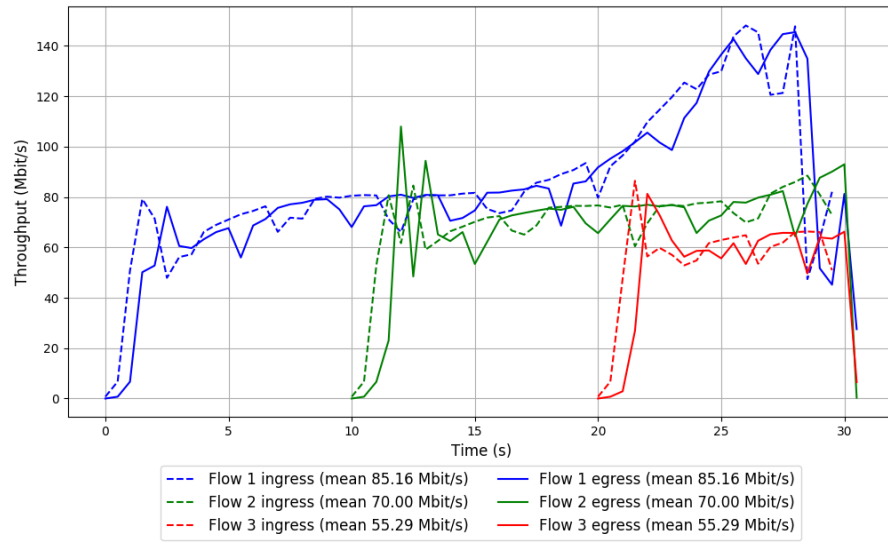


Run 8: Statistics of TCP Cubic

Start at: 2018-07-03 18:02:41
End at: 2018-07-03 18:03:11
Local clock offset: 0.017 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-03 19:43:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 150.14 Mbit/s
95th percentile per-packet one-way delay: 93.622 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.16 Mbit/s
95th percentile per-packet one-way delay: 94.153 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.00 Mbit/s
95th percentile per-packet one-way delay: 93.137 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 55.29 Mbit/s
95th percentile per-packet one-way delay: 93.357 ms
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-03 18:28:20

End at: 2018-07-03 18:28:50

Local clock offset: -0.06 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-03 19:43:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 222.18 Mbit/s

95th percentile per-packet one-way delay: 98.112 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 132.19 Mbit/s

95th percentile per-packet one-way delay: 98.472 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 74.99 Mbit/s

95th percentile per-packet one-way delay: 94.213 ms

Loss rate: 0.02%

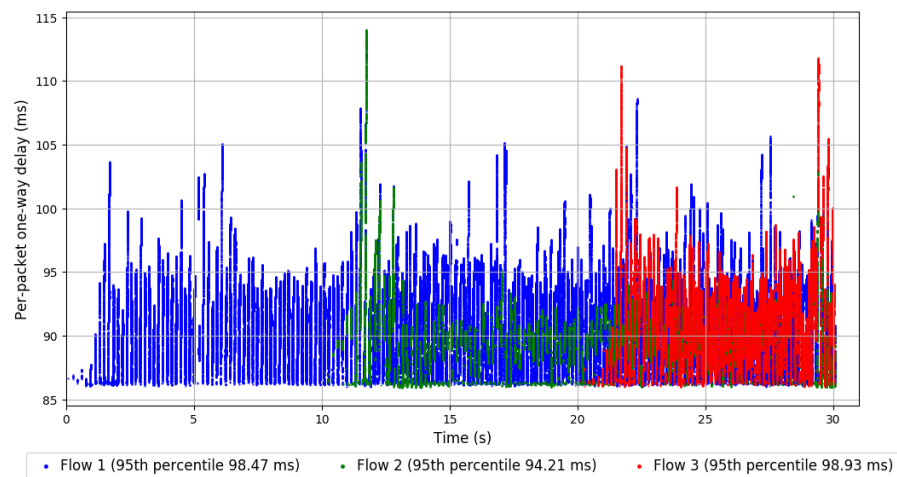
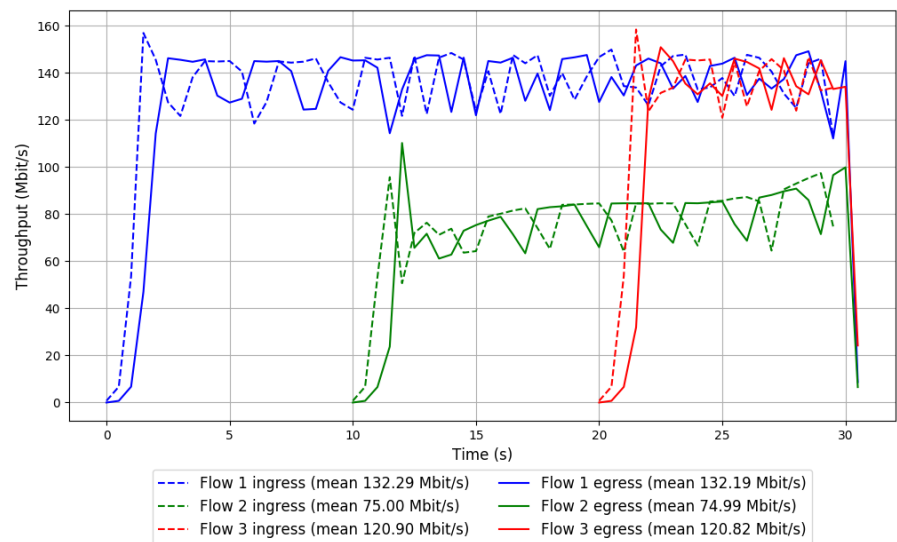
-- Flow 3:

Average throughput: 120.82 Mbit/s

95th percentile per-packet one-way delay: 98.928 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link

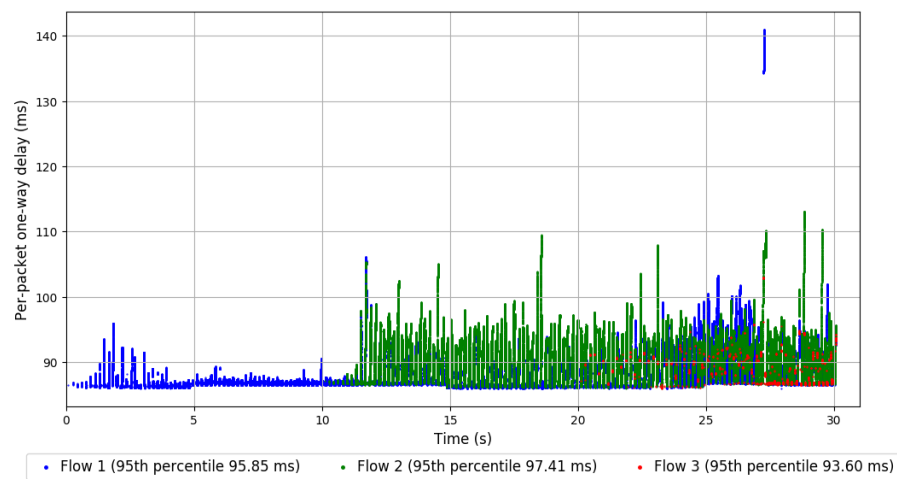
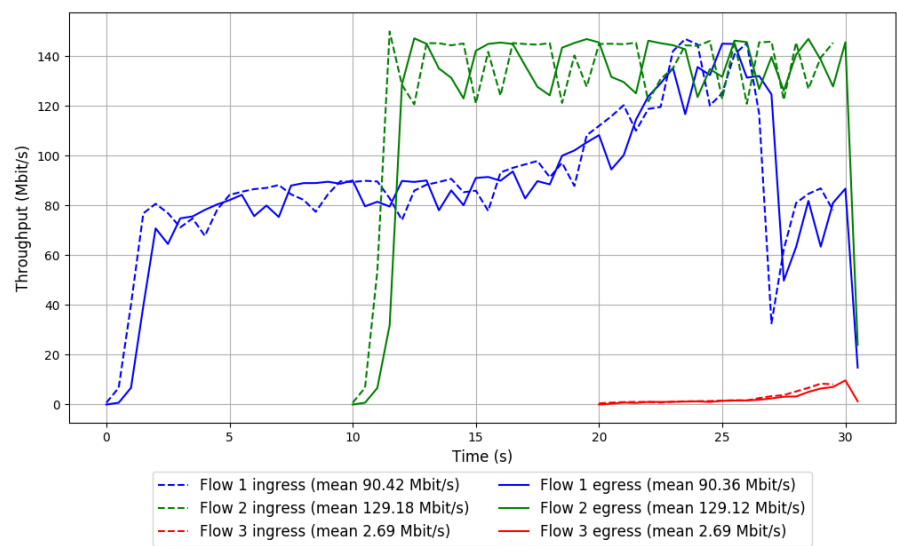


Run 10: Statistics of TCP Cubic

Start at: 2018-07-03 18:53:51
End at: 2018-07-03 18:54:21
Local clock offset: -0.065 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-07-03 19:43:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 177.24 Mbit/s
95th percentile per-packet one-way delay: 96.834 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 90.36 Mbit/s
95th percentile per-packet one-way delay: 95.852 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 129.12 Mbit/s
95th percentile per-packet one-way delay: 97.409 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.69 Mbit/s
95th percentile per-packet one-way delay: 93.596 ms
Loss rate: 0.22%

Run 10: Report of TCP Cubic — Data Link

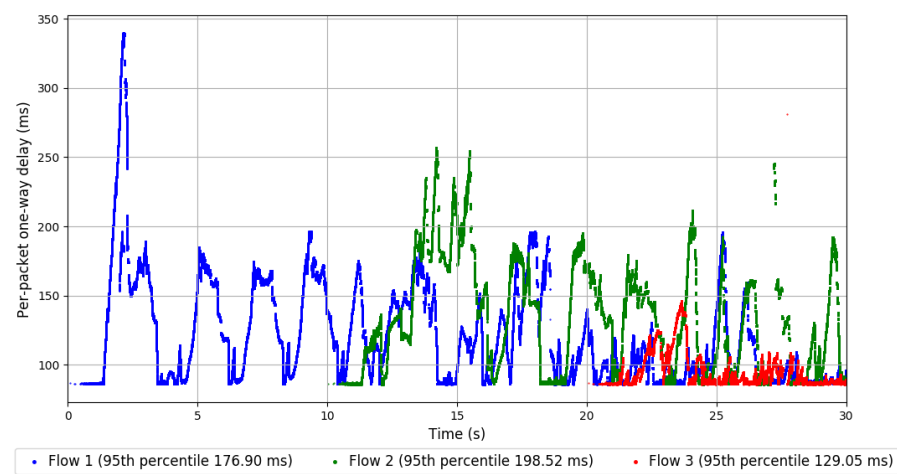
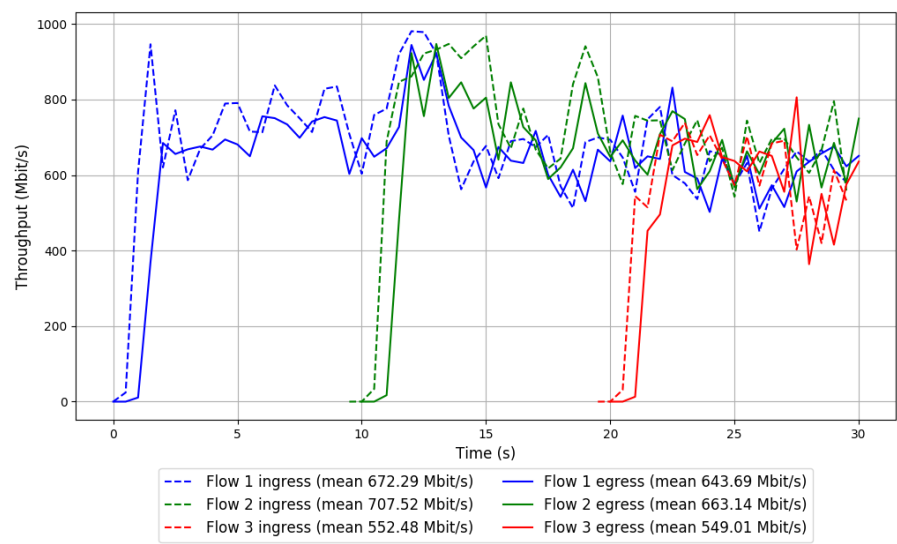


Run 1: Statistics of FillP

Start at: 2018-07-03 15:09:52
End at: 2018-07-03 15:10:22
Local clock offset: 0.102 ms
Remote clock offset: -0.163 ms

Below is generated by plot.py at 2018-07-03 20:05:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 1268.09 Mbit/s
95th percentile per-packet one-way delay: 186.062 ms
Loss rate: 4.47%
-- Flow 1:
Average throughput: 643.69 Mbit/s
95th percentile per-packet one-way delay: 176.904 ms
Loss rate: 4.25%
-- Flow 2:
Average throughput: 663.14 Mbit/s
95th percentile per-packet one-way delay: 198.520 ms
Loss rate: 6.26%
-- Flow 3:
Average throughput: 549.01 Mbit/s
95th percentile per-packet one-way delay: 129.046 ms
Loss rate: 0.62%

Run 1: Report of FillP — Data Link

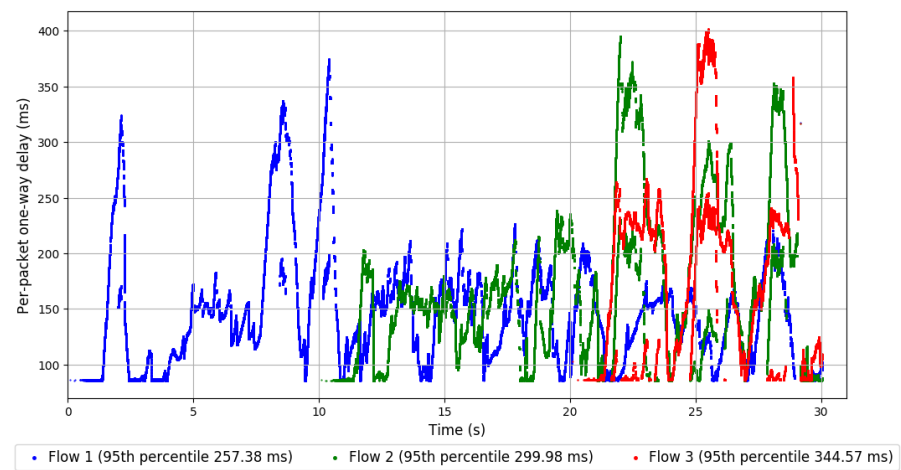
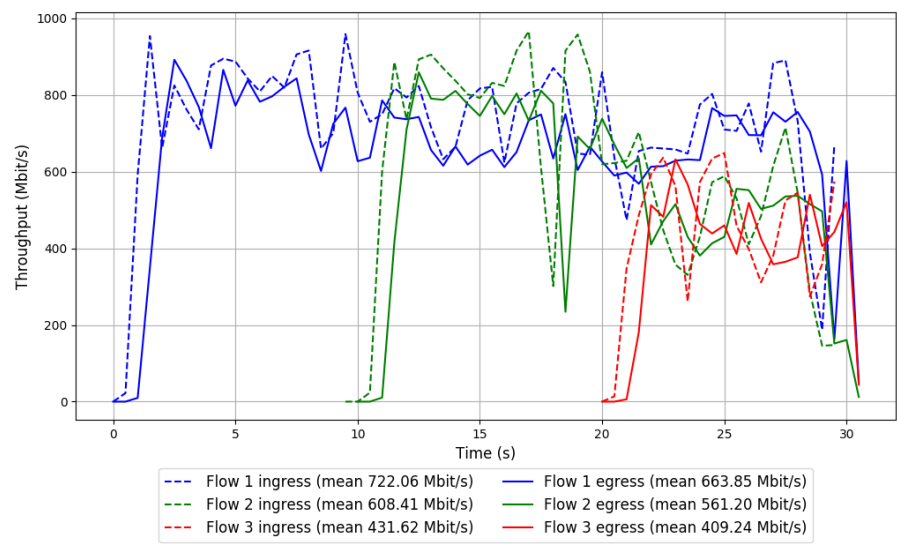


Run 2: Statistics of FillP

Start at: 2018-07-03 15:35:36
End at: 2018-07-03 15:36:06
Local clock offset: 0.096 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-07-03 20:05:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 1173.32 Mbit/s
95th percentile per-packet one-way delay: 282.454 ms
Loss rate: 7.65%
-- Flow 1:
Average throughput: 663.85 Mbit/s
95th percentile per-packet one-way delay: 257.381 ms
Loss rate: 8.06%
-- Flow 2:
Average throughput: 561.20 Mbit/s
95th percentile per-packet one-way delay: 299.976 ms
Loss rate: 7.75%
-- Flow 3:
Average throughput: 409.24 Mbit/s
95th percentile per-packet one-way delay: 344.567 ms
Loss rate: 5.33%

Run 2: Report of FillP — Data Link

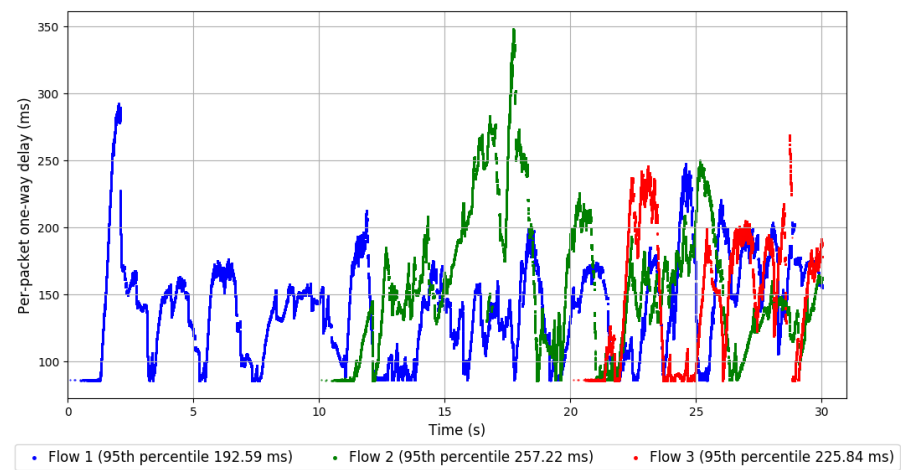
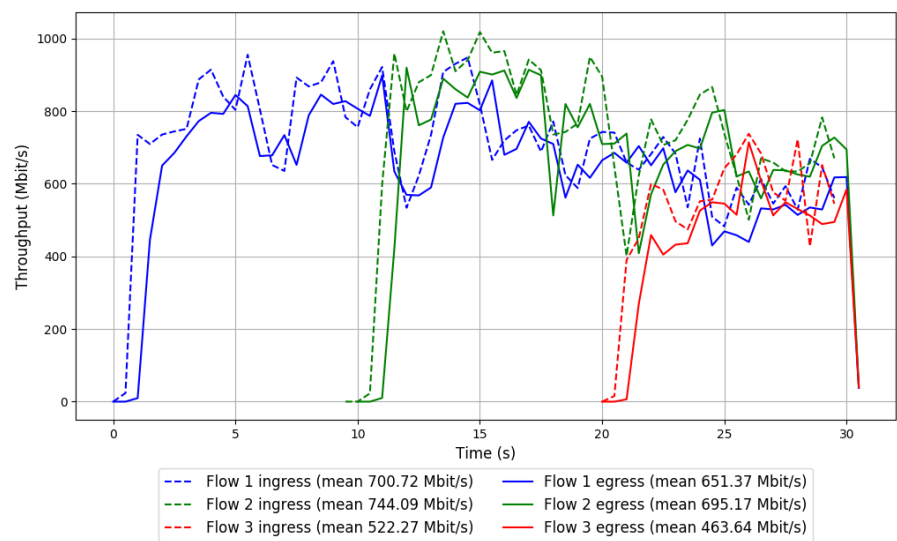


Run 3: Statistics of FillP

Start at: 2018-07-03 16:01:27
End at: 2018-07-03 16:01:57
Local clock offset: -0.019 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-03 20:06:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 1267.65 Mbit/s
95th percentile per-packet one-way delay: 234.650 ms
Loss rate: 7.40%
-- Flow 1:
Average throughput: 651.37 Mbit/s
95th percentile per-packet one-way delay: 192.591 ms
Loss rate: 7.04%
-- Flow 2:
Average throughput: 695.17 Mbit/s
95th percentile per-packet one-way delay: 257.222 ms
Loss rate: 6.57%
-- Flow 3:
Average throughput: 463.64 Mbit/s
95th percentile per-packet one-way delay: 225.844 ms
Loss rate: 11.22%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-03 16:26:57

End at: 2018-07-03 16:27:27

Local clock offset: 0.036 ms

Remote clock offset: 0.081 ms

Below is generated by plot.py at 2018-07-03 20:06:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 1231.83 Mbit/s

95th percentile per-packet one-way delay: 201.727 ms

Loss rate: 7.73%

-- Flow 1:

Average throughput: 662.62 Mbit/s

95th percentile per-packet one-way delay: 195.178 ms

Loss rate: 7.46%

-- Flow 2:

Average throughput: 619.80 Mbit/s

95th percentile per-packet one-way delay: 210.078 ms

Loss rate: 8.50%

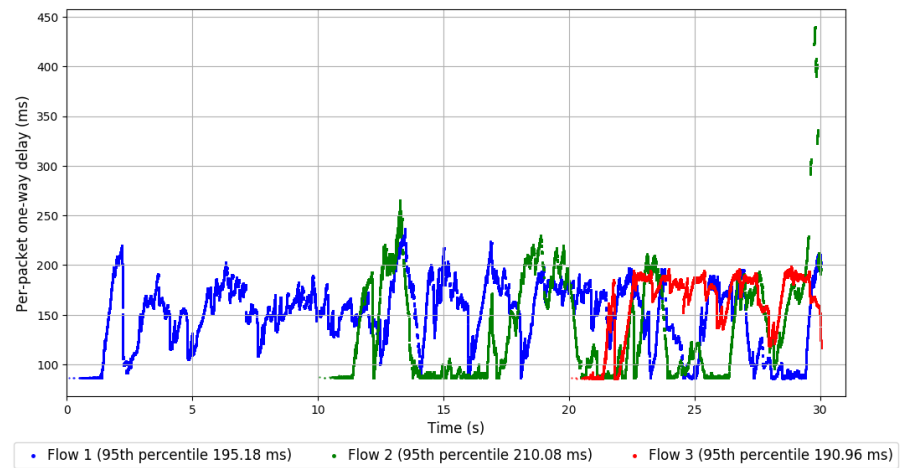
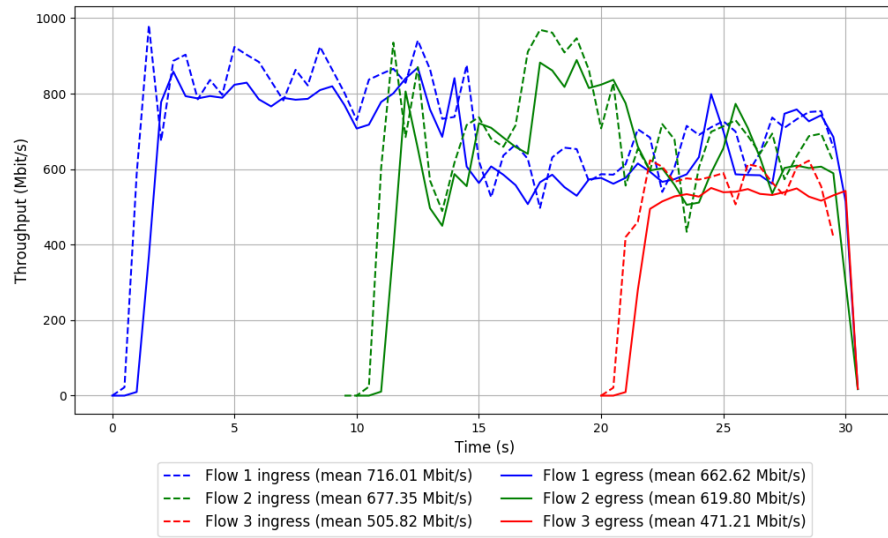
-- Flow 3:

Average throughput: 471.21 Mbit/s

95th percentile per-packet one-way delay: 190.963 ms

Loss rate: 6.83%

Run 4: Report of FillP — Data Link

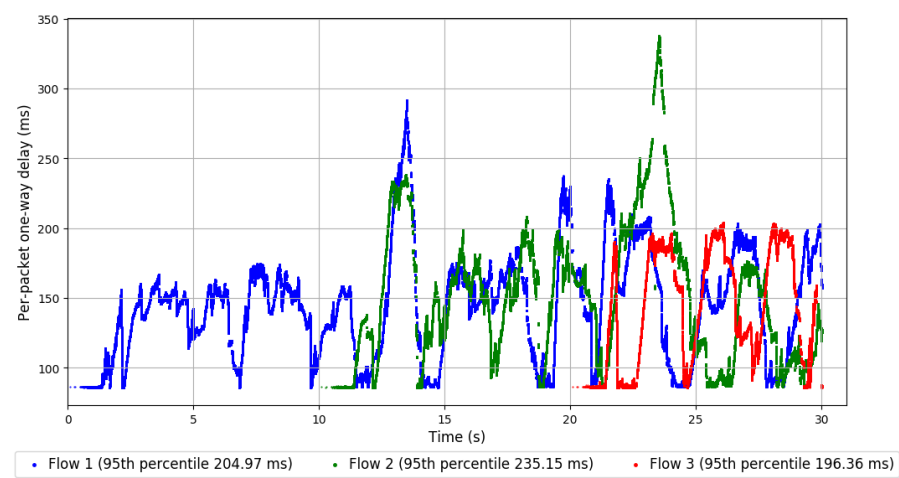
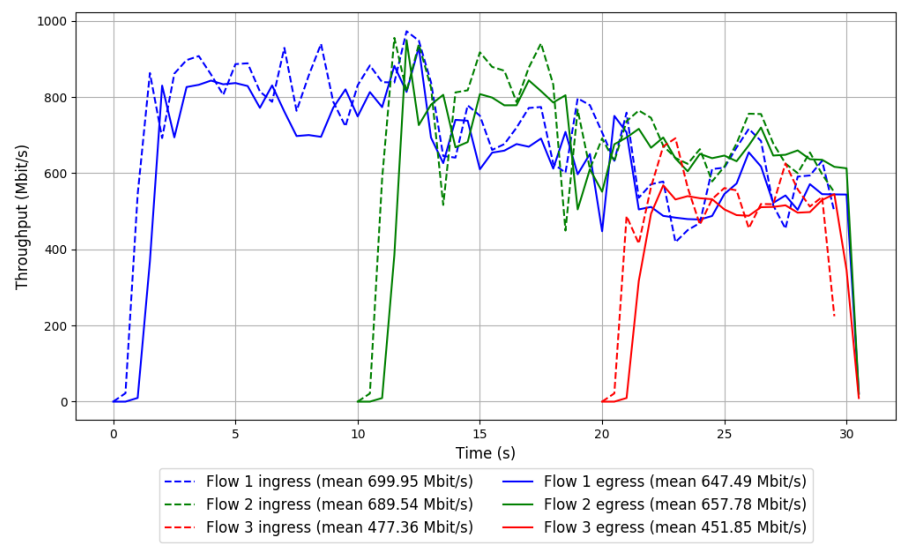


Run 5: Statistics of FillP

Start at: 2018-07-03 16:52:38
End at: 2018-07-03 16:53:08
Local clock offset: 0.07 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-07-03 20:06:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 1235.15 Mbit/s
95th percentile per-packet one-way delay: 222.777 ms
Loss rate: 6.23%
-- Flow 1:
Average throughput: 647.49 Mbit/s
95th percentile per-packet one-way delay: 204.972 ms
Loss rate: 7.49%
-- Flow 2:
Average throughput: 657.78 Mbit/s
95th percentile per-packet one-way delay: 235.150 ms
Loss rate: 4.60%
-- Flow 3:
Average throughput: 451.85 Mbit/s
95th percentile per-packet one-way delay: 196.363 ms
Loss rate: 5.35%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-03 17:18:16

End at: 2018-07-03 17:18:46

Local clock offset: -0.059 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-03 20:06:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 1208.82 Mbit/s

95th percentile per-packet one-way delay: 219.574 ms

Loss rate: 6.51%

-- Flow 1:

Average throughput: 511.98 Mbit/s

95th percentile per-packet one-way delay: 237.766 ms

Loss rate: 11.29%

-- Flow 2:

Average throughput: 739.41 Mbit/s

95th percentile per-packet one-way delay: 185.777 ms

Loss rate: 2.29%

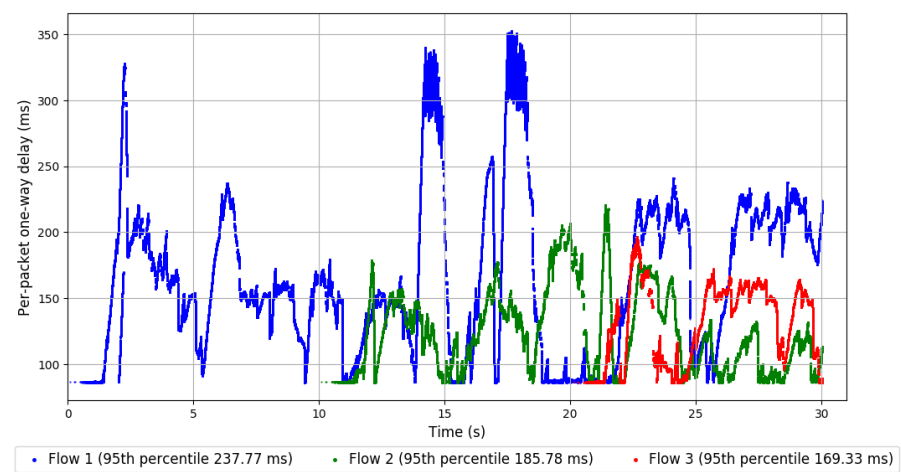
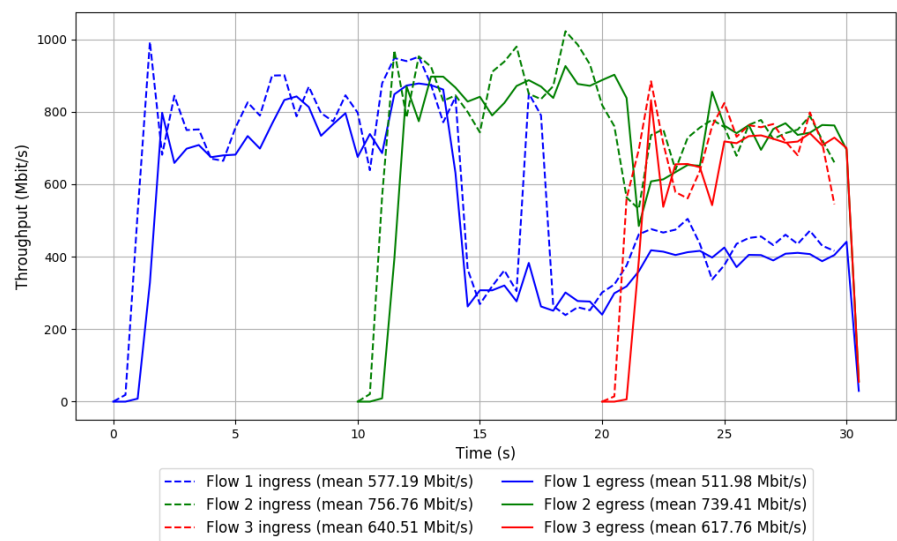
-- Flow 3:

Average throughput: 617.76 Mbit/s

95th percentile per-packet one-way delay: 169.328 ms

Loss rate: 3.55%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-03 17:43:51

End at: 2018-07-03 17:44:21

Local clock offset: -0.049 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-07-03 20:10:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 1310.42 Mbit/s

95th percentile per-packet one-way delay: 228.750 ms

Loss rate: 5.26%

-- Flow 1:

Average throughput: 717.75 Mbit/s

95th percentile per-packet one-way delay: 189.279 ms

Loss rate: 3.73%

-- Flow 2:

Average throughput: 636.17 Mbit/s

95th percentile per-packet one-way delay: 302.276 ms

Loss rate: 6.07%

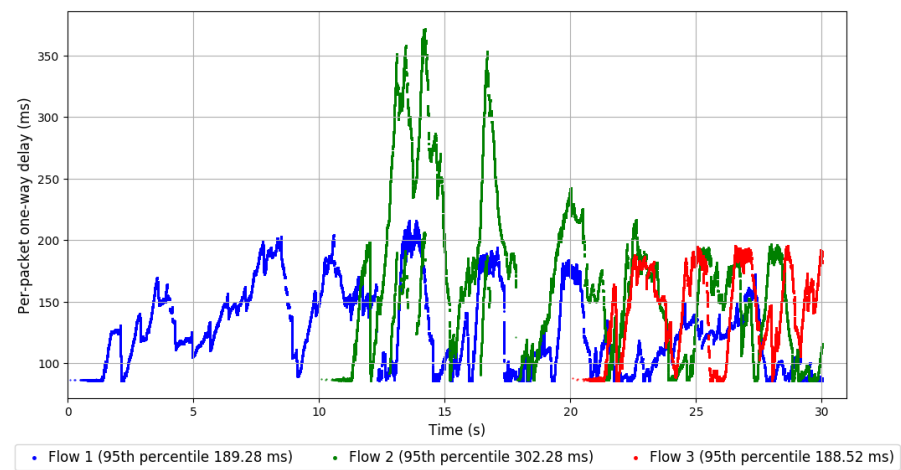
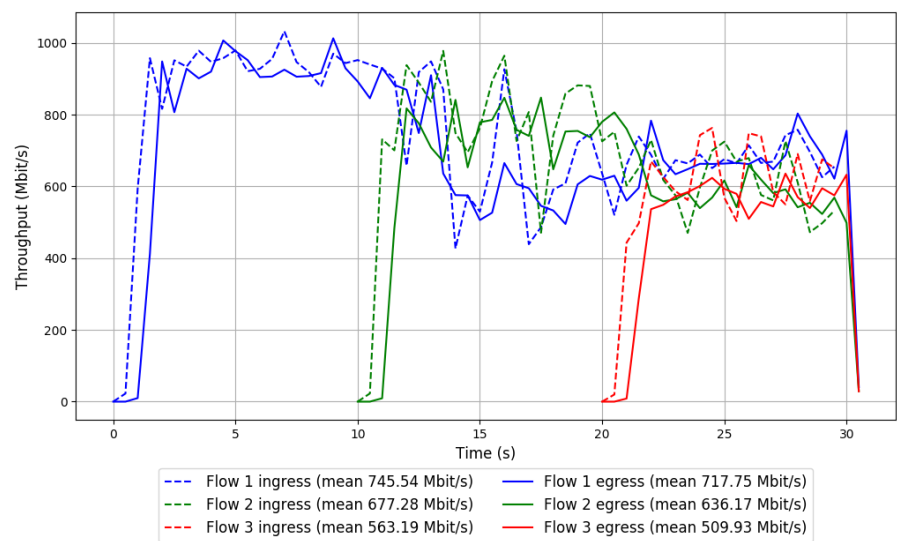
-- Flow 3:

Average throughput: 509.93 Mbit/s

95th percentile per-packet one-way delay: 188.520 ms

Loss rate: 9.46%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-03 18:09:38

End at: 2018-07-03 18:10:08

Local clock offset: -0.011 ms

Remote clock offset: 0.088 ms

Below is generated by plot.py at 2018-07-03 20:10:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 1274.13 Mbit/s

95th percentile per-packet one-way delay: 184.950 ms

Loss rate: 5.38%

-- Flow 1:

Average throughput: 677.19 Mbit/s

95th percentile per-packet one-way delay: 188.131 ms

Loss rate: 6.06%

-- Flow 2:

Average throughput: 630.37 Mbit/s

95th percentile per-packet one-way delay: 174.636 ms

Loss rate: 5.51%

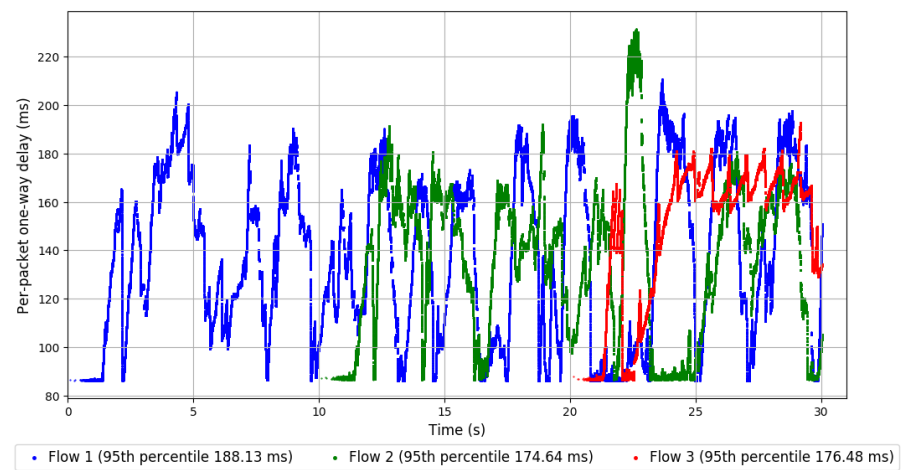
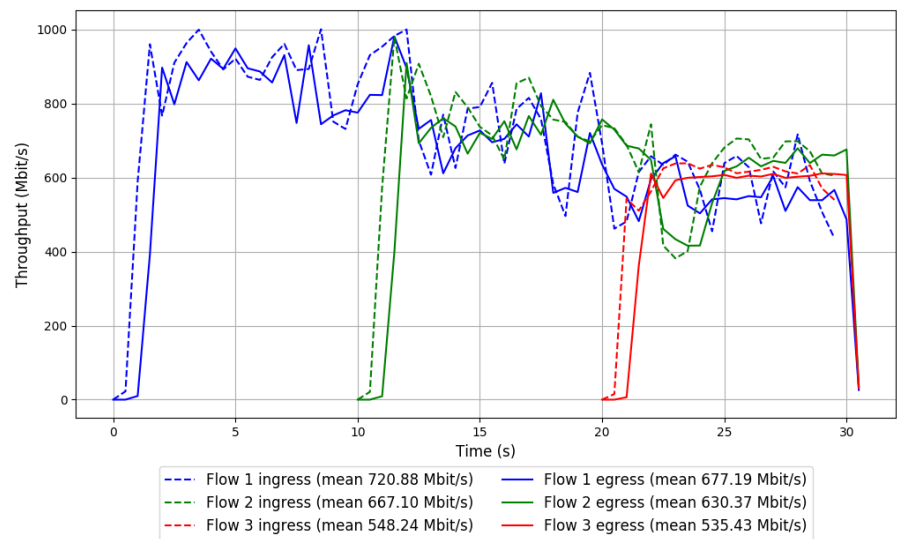
-- Flow 3:

Average throughput: 535.43 Mbit/s

95th percentile per-packet one-way delay: 176.481 ms

Loss rate: 2.36%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-03 18:35:25

End at: 2018-07-03 18:35:55

Local clock offset: -0.106 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-07-03 20:28:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 1167.56 Mbit/s

95th percentile per-packet one-way delay: 273.666 ms

Loss rate: 6.77%

-- Flow 1:

Average throughput: 678.14 Mbit/s

95th percentile per-packet one-way delay: 275.348 ms

Loss rate: 4.30%

-- Flow 2:

Average throughput: 472.90 Mbit/s

95th percentile per-packet one-way delay: 326.473 ms

Loss rate: 11.28%

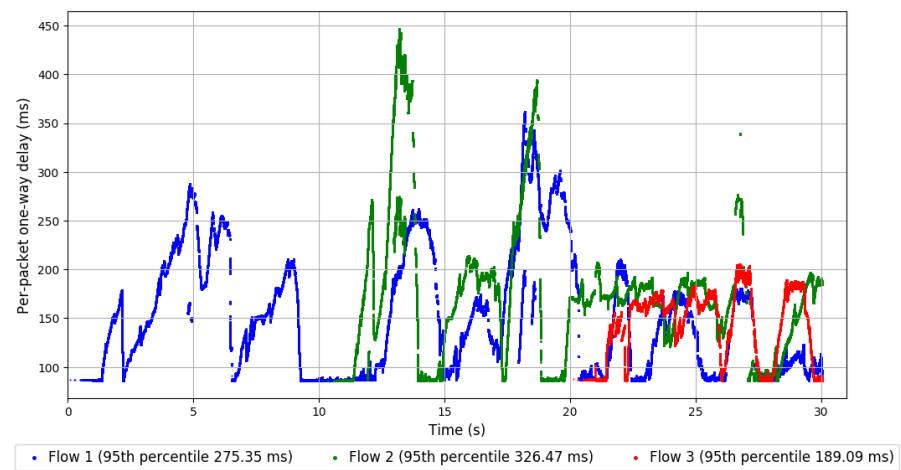
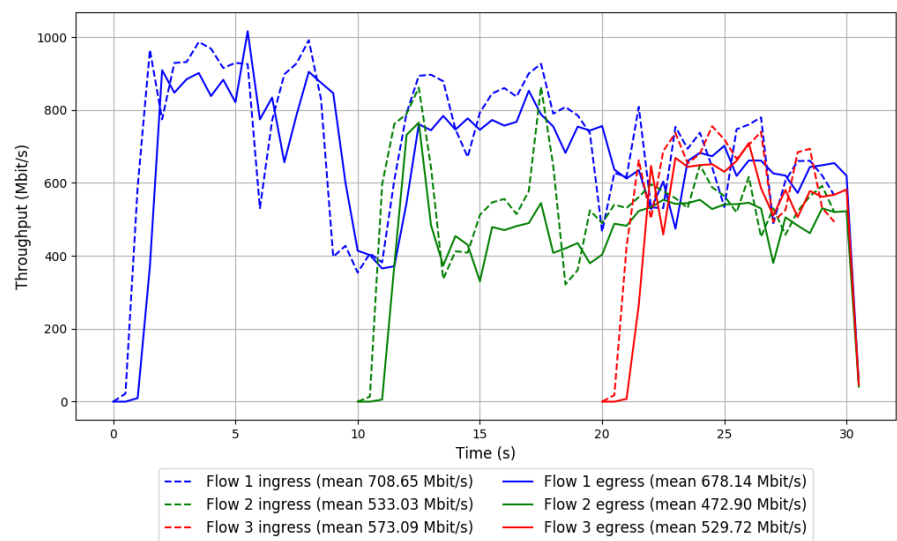
-- Flow 3:

Average throughput: 529.72 Mbit/s

95th percentile per-packet one-way delay: 189.089 ms

Loss rate: 7.58%

Run 9: Report of FillP — Data Link

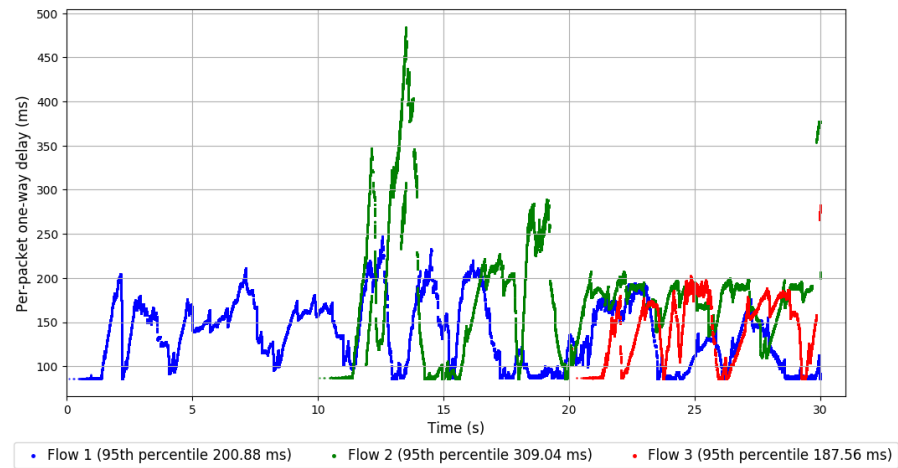
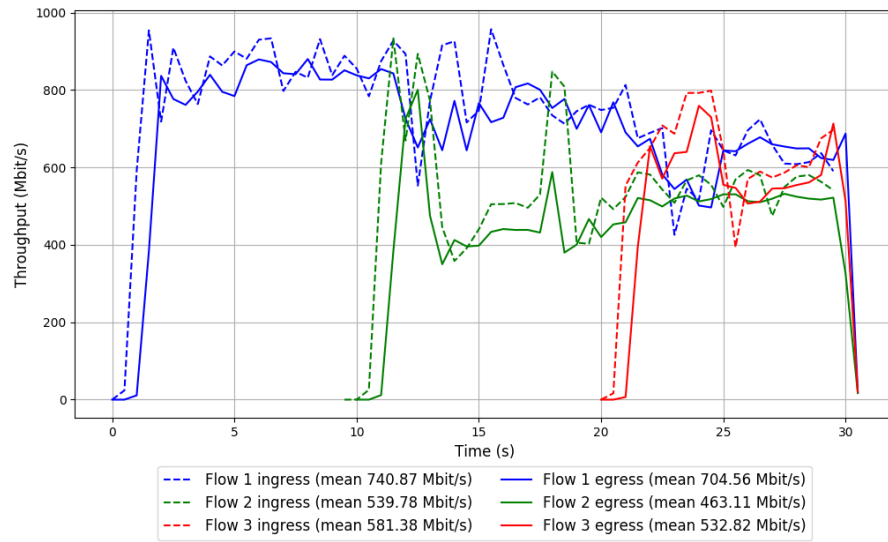


Run 10: Statistics of FillP

Start at: 2018-07-03 19:00:43
End at: 2018-07-03 19:01:13
Local clock offset: -0.067 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-07-03 20:31:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 1189.30 Mbit/s
95th percentile per-packet one-way delay: 210.669 ms
Loss rate: 8.05%
-- Flow 1:
Average throughput: 704.56 Mbit/s
95th percentile per-packet one-way delay: 200.881 ms
Loss rate: 4.90%
-- Flow 2:
Average throughput: 463.11 Mbit/s
95th percentile per-packet one-way delay: 309.044 ms
Loss rate: 14.21%
-- Flow 3:
Average throughput: 532.82 Mbit/s
95th percentile per-packet one-way delay: 187.558 ms
Loss rate: 8.66%

Run 10: Report of FillP — Data Link

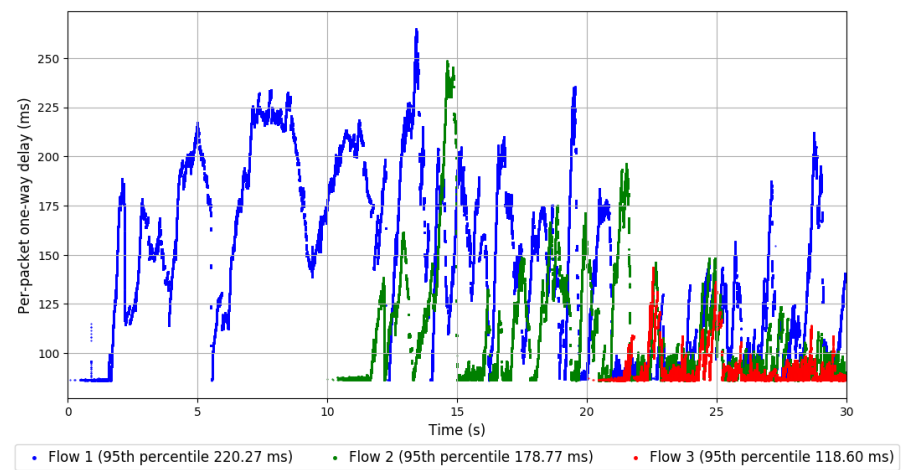
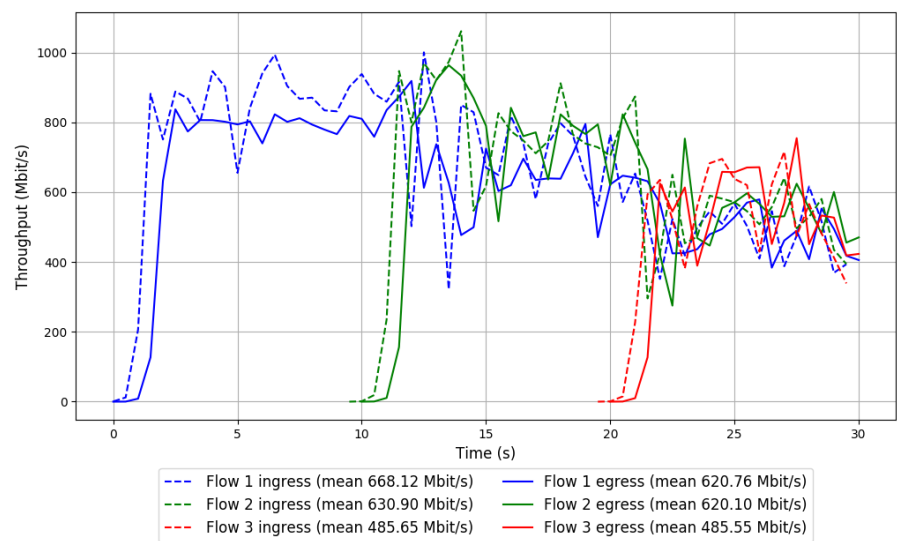


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-03 15:11:58
End at: 2018-07-03 15:12:28
Local clock offset: -0.138 ms
Remote clock offset: -0.145 ms

Below is generated by plot.py at 2018-07-03 20:31:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 1195.78 Mbit/s
95th percentile per-packet one-way delay: 216.667 ms
Loss rate: 4.37%
-- Flow 1:
Average throughput: 620.76 Mbit/s
95th percentile per-packet one-way delay: 220.271 ms
Loss rate: 7.09%
-- Flow 2:
Average throughput: 620.10 Mbit/s
95th percentile per-packet one-way delay: 178.766 ms
Loss rate: 1.71%
-- Flow 3:
Average throughput: 485.55 Mbit/s
95th percentile per-packet one-way delay: 118.599 ms
Loss rate: 0.02%

Run 1: Report of FillP-Sheep — Data Link

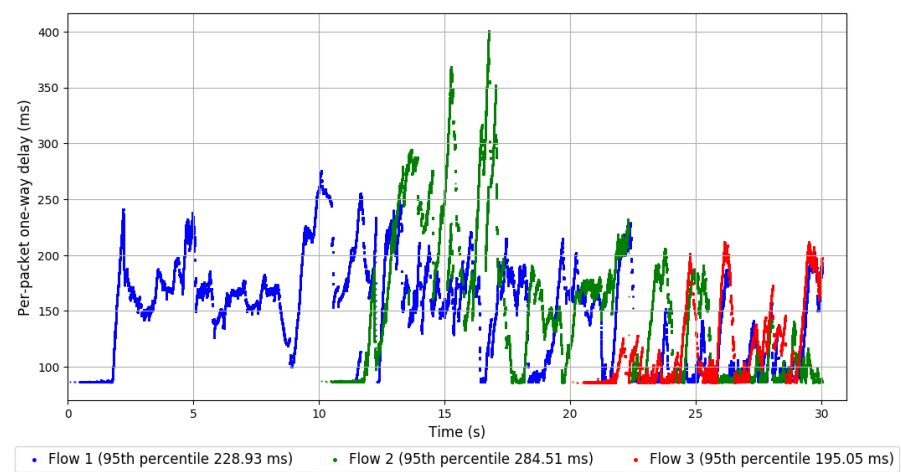
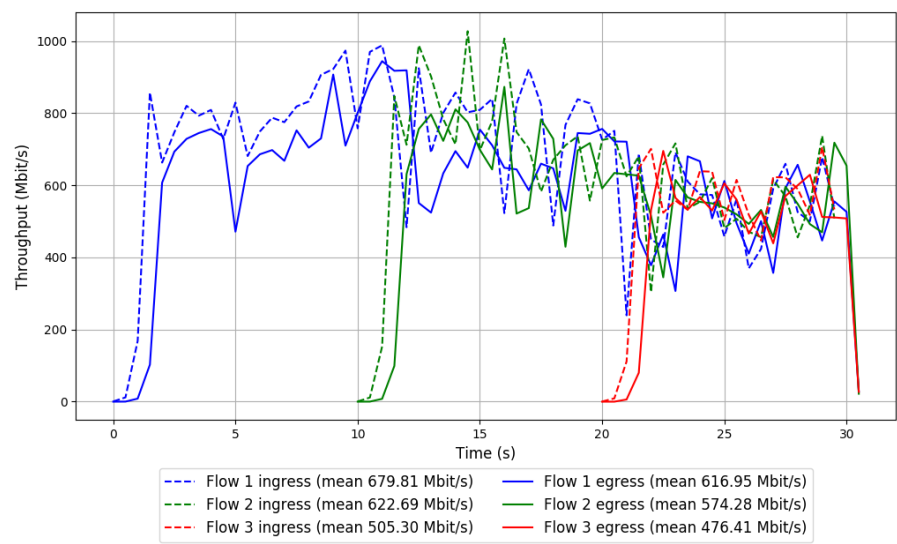


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-03 15:37:40
End at: 2018-07-03 15:38:10
Local clock offset: -0.059 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-07-03 20:31:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 1157.36 Mbit/s
95th percentile per-packet one-way delay: 252.322 ms
Loss rate: 8.29%
-- Flow 1:
Average throughput: 616.95 Mbit/s
95th percentile per-packet one-way delay: 228.933 ms
Loss rate: 9.23%
-- Flow 2:
Average throughput: 574.28 Mbit/s
95th percentile per-packet one-way delay: 284.511 ms
Loss rate: 7.78%
-- Flow 3:
Average throughput: 476.41 Mbit/s
95th percentile per-packet one-way delay: 195.053 ms
Loss rate: 5.69%

Run 2: Report of FillP-Sheep — Data Link

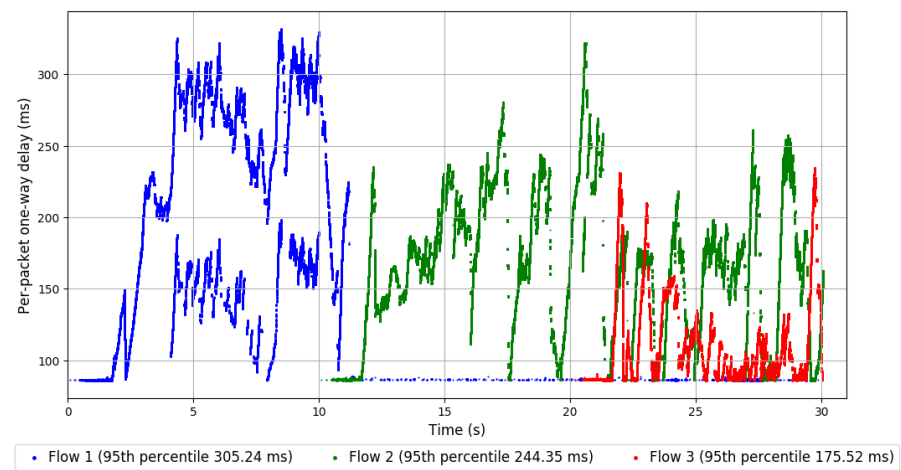
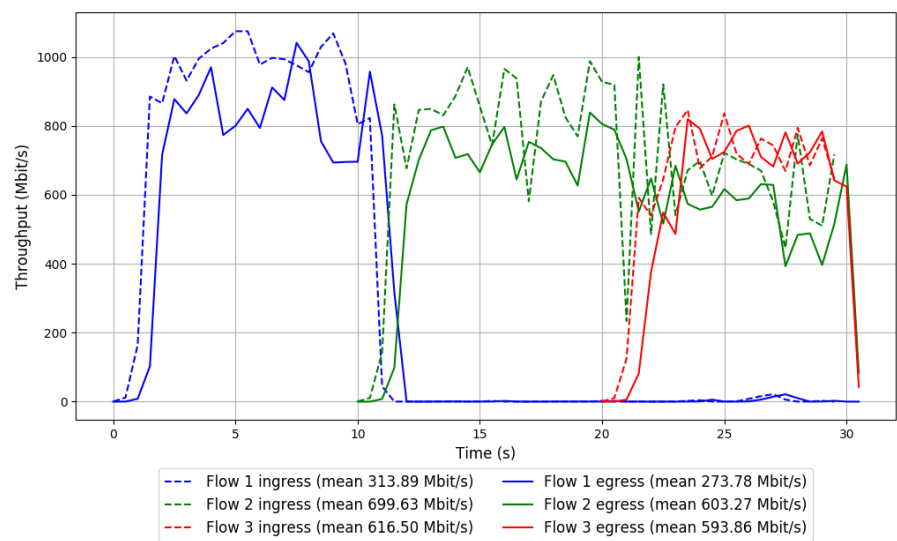


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-03 16:03:35
End at: 2018-07-03 16:04:05
Local clock offset: -0.137 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-03 20:31:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 871.81 Mbit/s
95th percentile per-packet one-way delay: 289.824 ms
Loss rate: 11.30%
-- Flow 1:
Average throughput: 273.78 Mbit/s
95th percentile per-packet one-way delay: 305.237 ms
Loss rate: 12.78%
-- Flow 2:
Average throughput: 603.27 Mbit/s
95th percentile per-packet one-way delay: 244.350 ms
Loss rate: 13.65%
-- Flow 3:
Average throughput: 593.86 Mbit/s
95th percentile per-packet one-way delay: 175.523 ms
Loss rate: 3.66%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-03 16:29:03

End at: 2018-07-03 16:29:33

Local clock offset: 0.108 ms

Remote clock offset: 0.061 ms

Below is generated by plot.py at 2018-07-03 20:31:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 1173.63 Mbit/s

95th percentile per-packet one-way delay: 237.424 ms

Loss rate: 8.02%

-- Flow 1:

Average throughput: 653.30 Mbit/s

95th percentile per-packet one-way delay: 246.839 ms

Loss rate: 6.36%

-- Flow 2:

Average throughput: 540.80 Mbit/s

95th percentile per-packet one-way delay: 211.363 ms

Loss rate: 12.15%

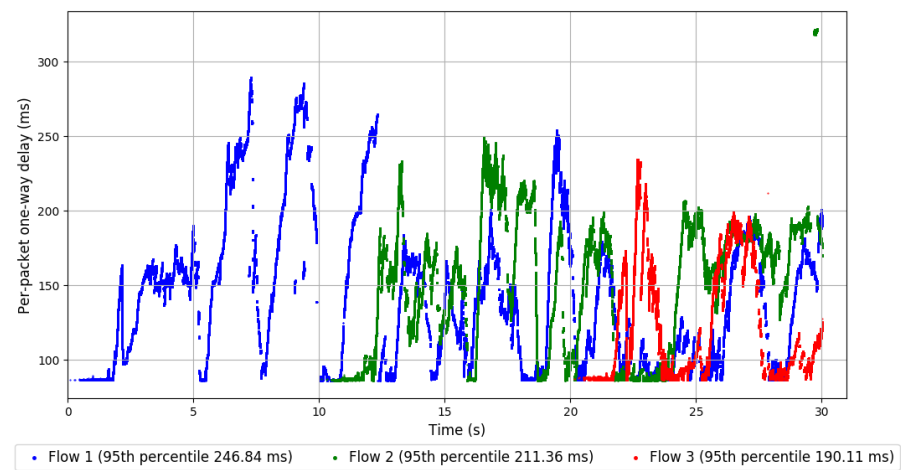
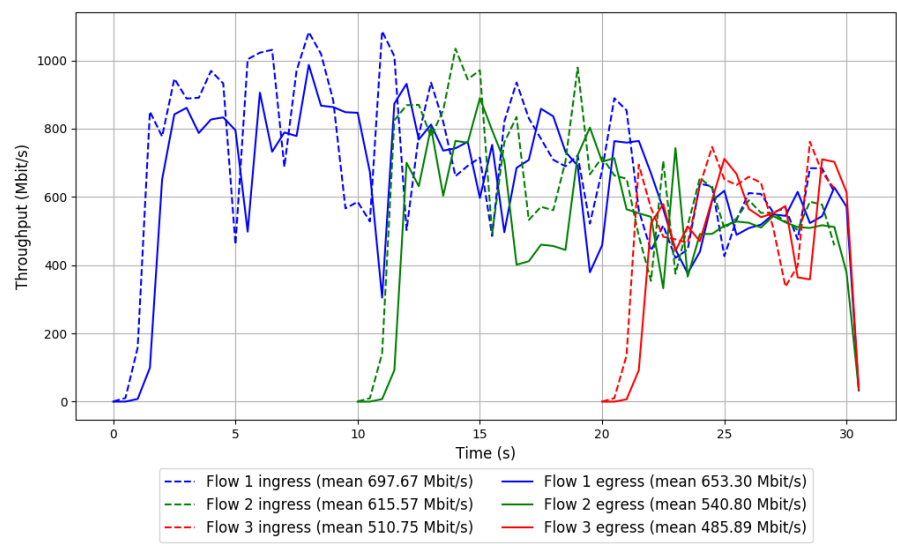
-- Flow 3:

Average throughput: 485.89 Mbit/s

95th percentile per-packet one-way delay: 190.106 ms

Loss rate: 4.85%

Run 4: Report of FillP-Sheep — Data Link

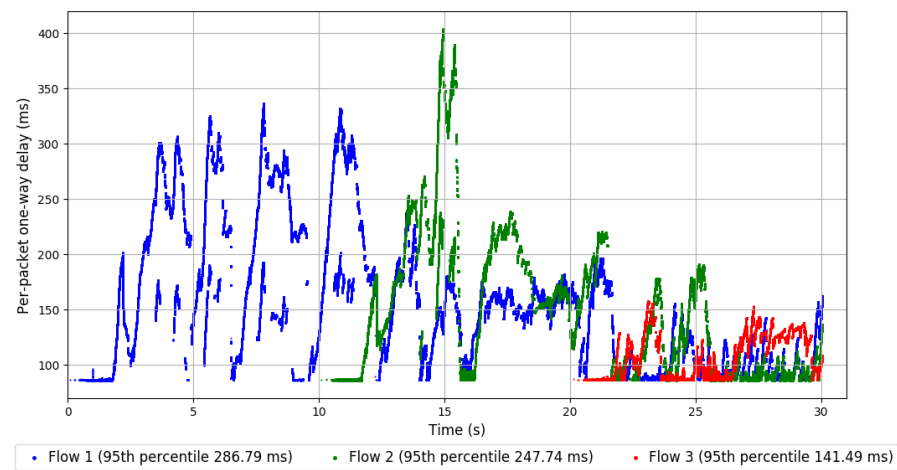
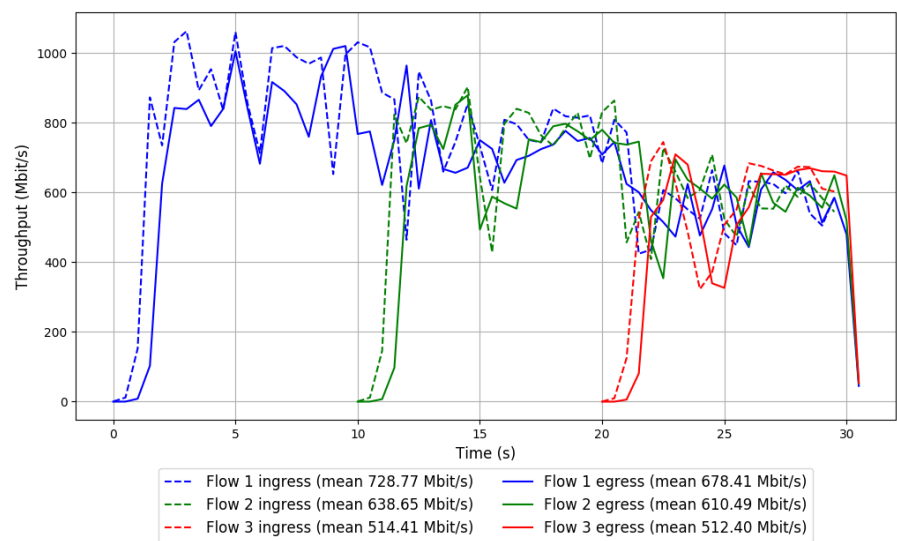


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-03 16:54:44
End at: 2018-07-03 16:55:14
Local clock offset: 0.068 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-07-03 20:37:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 1254.29 Mbit/s
95th percentile per-packet one-way delay: 279.883 ms
Loss rate: 5.26%
-- Flow 1:
Average throughput: 678.41 Mbit/s
95th percentile per-packet one-way delay: 286.785 ms
Loss rate: 6.91%
-- Flow 2:
Average throughput: 610.49 Mbit/s
95th percentile per-packet one-way delay: 247.741 ms
Loss rate: 4.41%
-- Flow 3:
Average throughput: 512.40 Mbit/s
95th percentile per-packet one-way delay: 141.485 ms
Loss rate: 0.37%

Run 5: Report of FillP-Sheep — Data Link

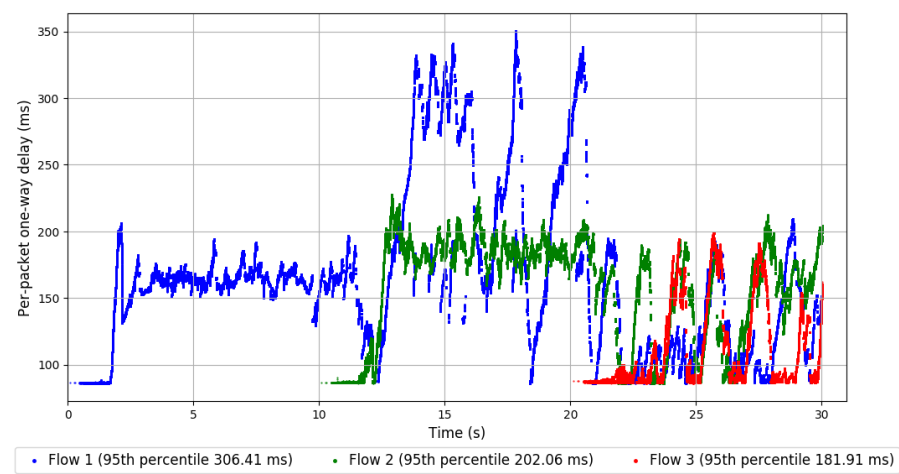
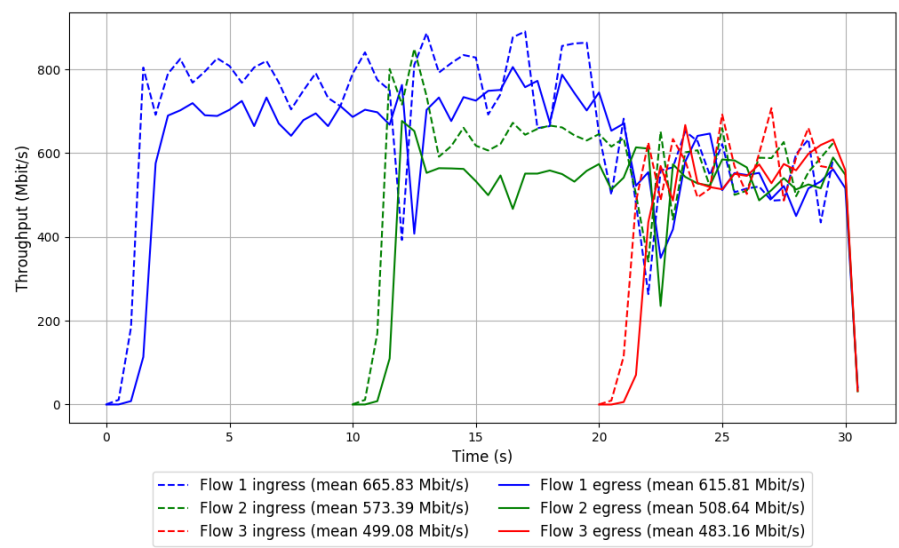


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-03 17:20:21
End at: 2018-07-03 17:20:51
Local clock offset: -0.049 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-03 20:37:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 1114.19 Mbit/s
95th percentile per-packet one-way delay: 287.423 ms
Loss rate: 8.12%
-- Flow 1:
Average throughput: 615.81 Mbit/s
95th percentile per-packet one-way delay: 306.407 ms
Loss rate: 7.51%
-- Flow 2:
Average throughput: 508.64 Mbit/s
95th percentile per-packet one-way delay: 202.064 ms
Loss rate: 11.29%
-- Flow 3:
Average throughput: 483.16 Mbit/s
95th percentile per-packet one-way delay: 181.914 ms
Loss rate: 3.20%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-03 17:46:00

End at: 2018-07-03 17:46:30

Local clock offset: -0.066 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2018-07-03 20:51:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 1196.31 Mbit/s

95th percentile per-packet one-way delay: 219.376 ms

Loss rate: 7.43%

-- Flow 1:

Average throughput: 682.60 Mbit/s

95th percentile per-packet one-way delay: 225.626 ms

Loss rate: 6.52%

-- Flow 2:

Average throughput: 539.54 Mbit/s

95th percentile per-packet one-way delay: 213.478 ms

Loss rate: 8.55%

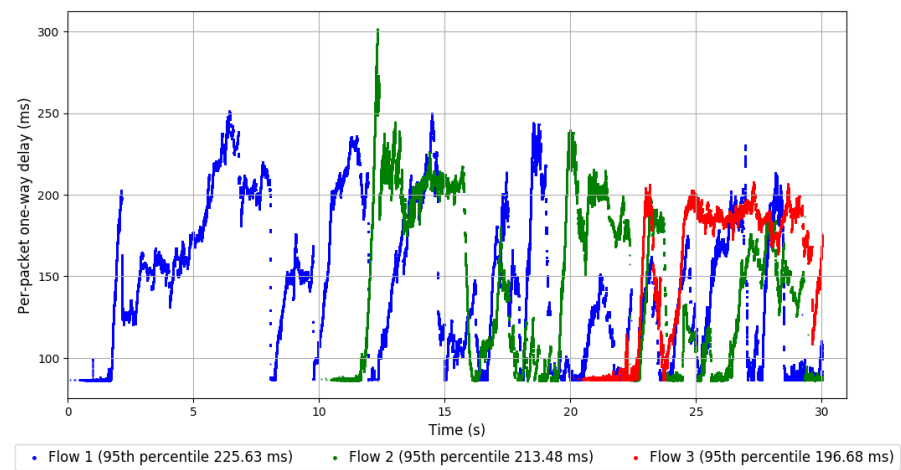
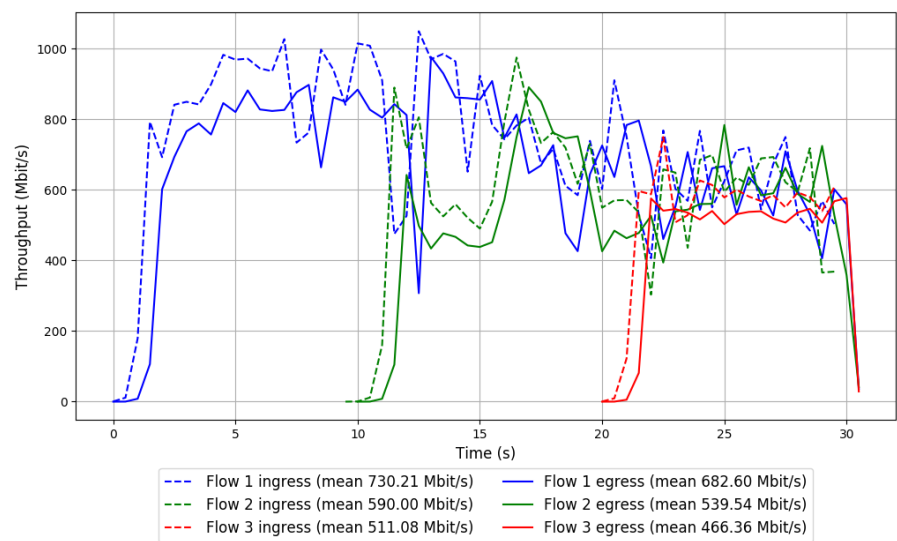
-- Flow 3:

Average throughput: 466.36 Mbit/s

95th percentile per-packet one-way delay: 196.676 ms

Loss rate: 8.76%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-03 18:11:44

End at: 2018-07-03 18:12:14

Local clock offset: -0.13 ms

Remote clock offset: 0.082 ms

Below is generated by plot.py at 2018-07-03 20:56:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 1189.92 Mbit/s

95th percentile per-packet one-way delay: 276.551 ms

Loss rate: 7.86%

-- Flow 1:

Average throughput: 685.15 Mbit/s

95th percentile per-packet one-way delay: 285.294 ms

Loss rate: 7.65%

-- Flow 2:

Average throughput: 496.09 Mbit/s

95th percentile per-packet one-way delay: 226.152 ms

Loss rate: 11.35%

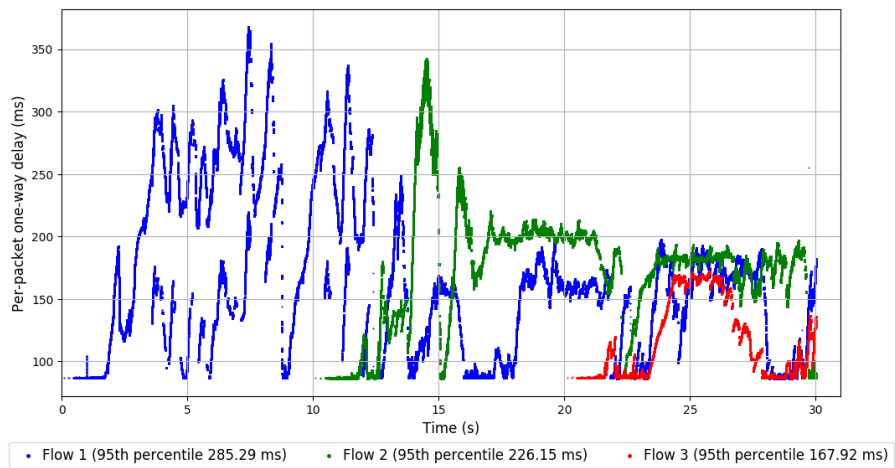
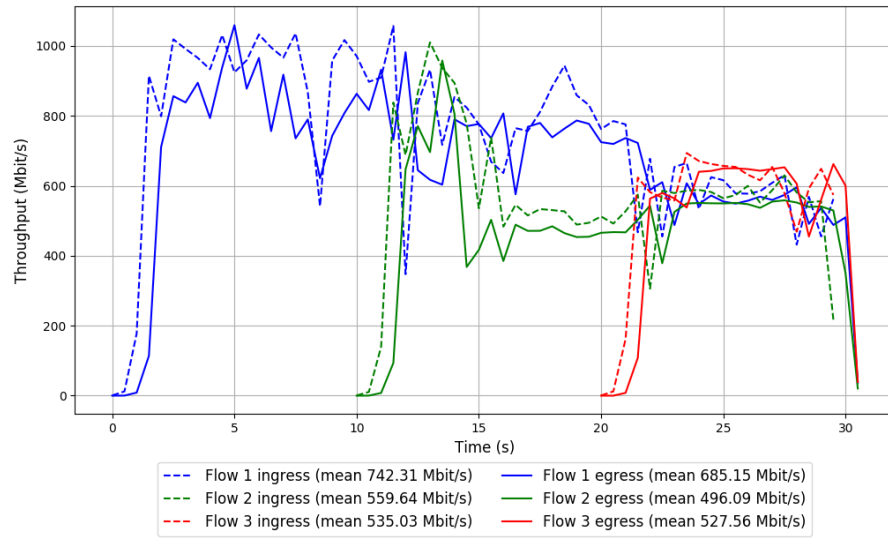
-- Flow 3:

Average throughput: 527.56 Mbit/s

95th percentile per-packet one-way delay: 167.920 ms

Loss rate: 1.41%

Run 8: Report of FillP-Sheep — Data Link

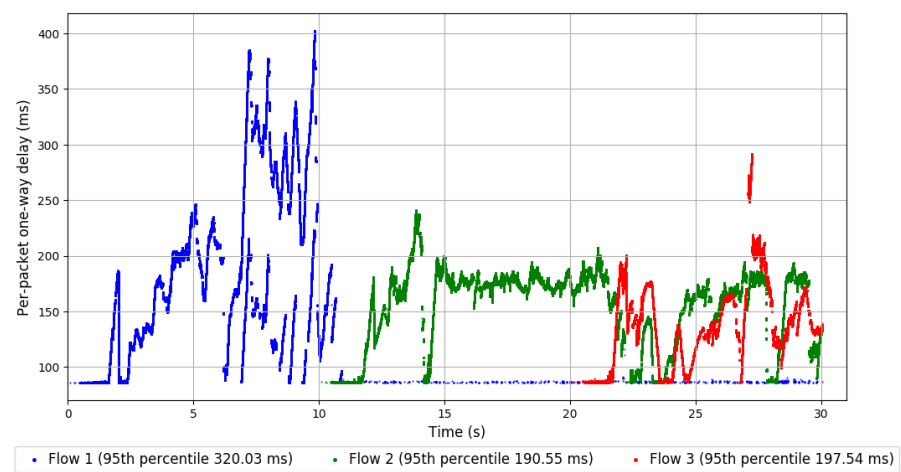
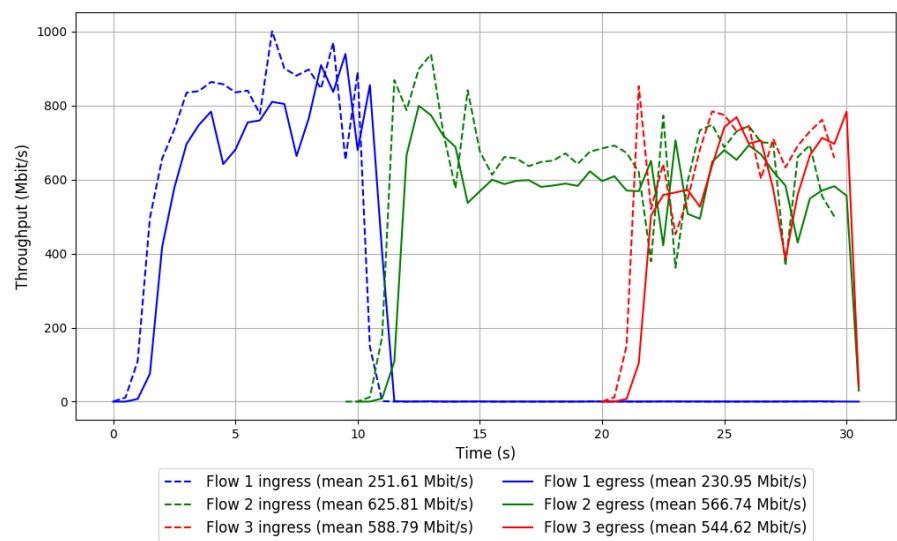


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-03 18:37:28
End at: 2018-07-03 18:37:58
Local clock offset: -0.053 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-03 20:56:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 788.86 Mbit/s
95th percentile per-packet one-way delay: 280.086 ms
Loss rate: 8.64%
-- Flow 1:
Average throughput: 230.95 Mbit/s
95th percentile per-packet one-way delay: 320.027 ms
Loss rate: 8.21%
-- Flow 2:
Average throughput: 566.74 Mbit/s
95th percentile per-packet one-way delay: 190.548 ms
Loss rate: 9.43%
-- Flow 3:
Average throughput: 544.62 Mbit/s
95th percentile per-packet one-way delay: 197.536 ms
Loss rate: 7.48%

Run 9: Report of FillP-Sheep — Data Link

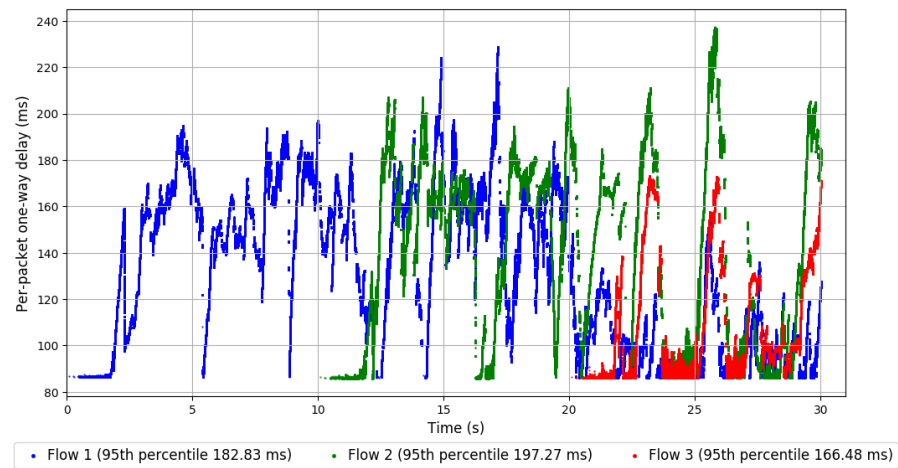
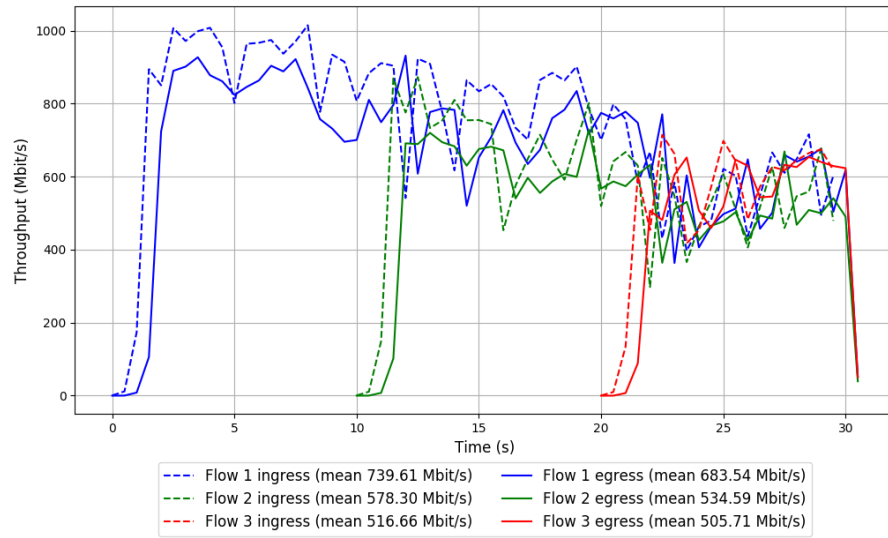


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-03 19:02:47
End at: 2018-07-03 19:03:17
Local clock offset: 0.1 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-07-03 20:57:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 1207.11 Mbit/s
95th percentile per-packet one-way delay: 186.134 ms
Loss rate: 6.85%
-- Flow 1:
Average throughput: 683.54 Mbit/s
95th percentile per-packet one-way delay: 182.829 ms
Loss rate: 7.58%
-- Flow 2:
Average throughput: 534.59 Mbit/s
95th percentile per-packet one-way delay: 197.266 ms
Loss rate: 7.56%
-- Flow 3:
Average throughput: 505.71 Mbit/s
95th percentile per-packet one-way delay: 166.482 ms
Loss rate: 2.12%

Run 10: Report of FillP-Sheep — Data Link

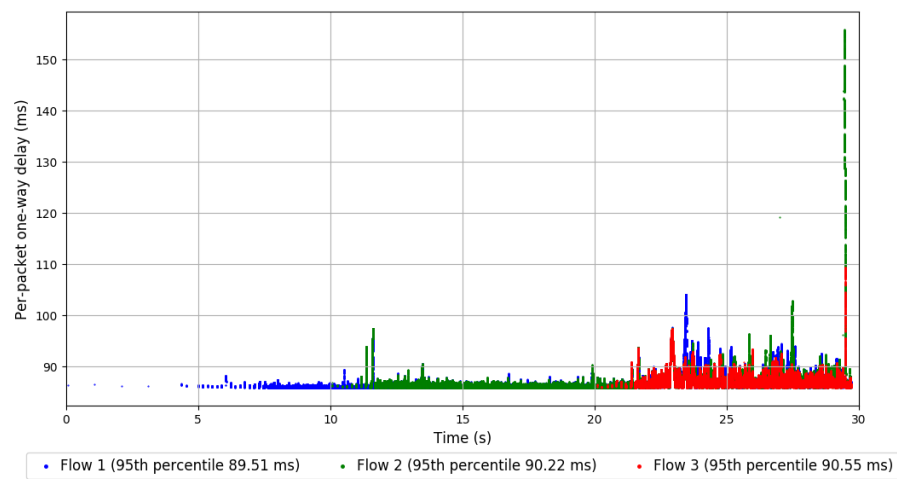
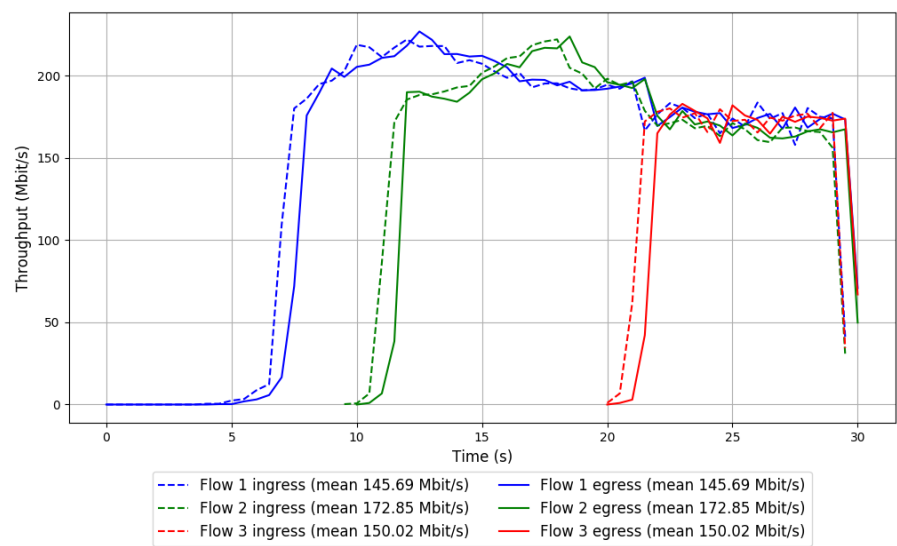


```
Run 1: Statistics of Indigo

Start at: 2018-07-03 15:00:10
End at: 2018-07-03 15:00:40
Local clock offset: 0.064 ms
Remote clock offset: -0.1 ms

# Below is generated by plot.py at 2018-07-03 20:57:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 308.95 Mbit/s
95th percentile per-packet one-way delay: 89.959 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 145.69 Mbit/s
95th percentile per-packet one-way delay: 89.513 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 172.85 Mbit/s
95th percentile per-packet one-way delay: 90.219 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 150.02 Mbit/s
95th percentile per-packet one-way delay: 90.552 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

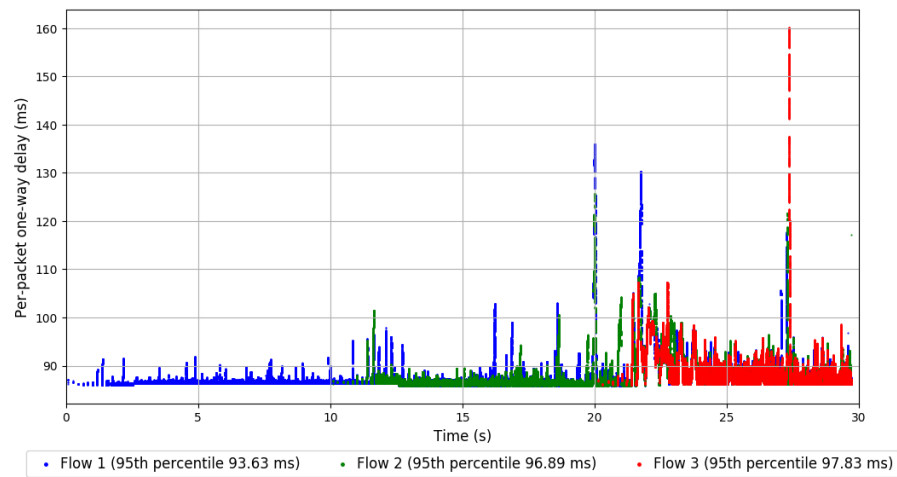
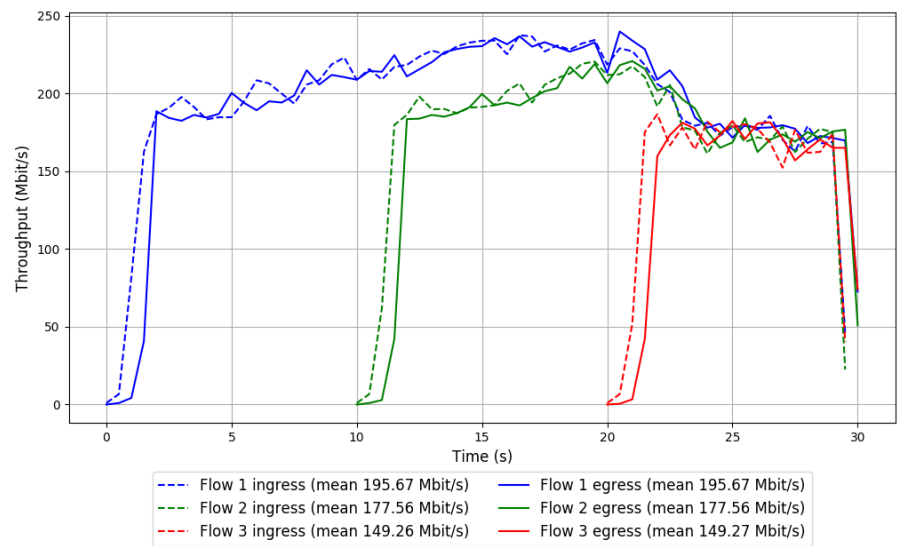


Run 2: Statistics of Indigo

Start at: 2018-07-03 15:25:53
End at: 2018-07-03 15:26:23
Local clock offset: 0.111 ms
Remote clock offset: -0.163 ms

Below is generated by plot.py at 2018-07-03 20:57:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 361.48 Mbit/s
95th percentile per-packet one-way delay: 95.488 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 195.67 Mbit/s
95th percentile per-packet one-way delay: 93.626 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 177.56 Mbit/s
95th percentile per-packet one-way delay: 96.888 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 149.27 Mbit/s
95th percentile per-packet one-way delay: 97.830 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-03 15:51:33

End at: 2018-07-03 15:52:03

Local clock offset: 0.0 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-07-03 20:57:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 358.88 Mbit/s

95th percentile per-packet one-way delay: 90.043 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 192.78 Mbit/s

95th percentile per-packet one-way delay: 89.313 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 175.67 Mbit/s

95th percentile per-packet one-way delay: 90.596 ms

Loss rate: 0.00%

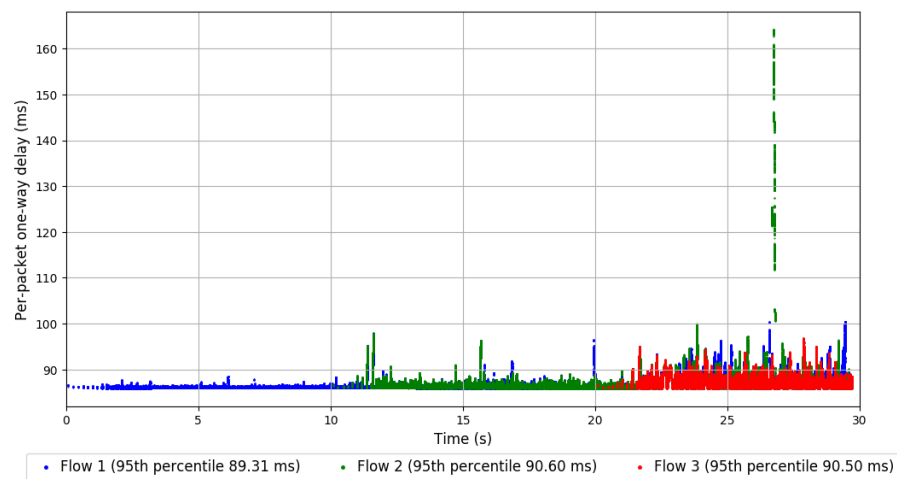
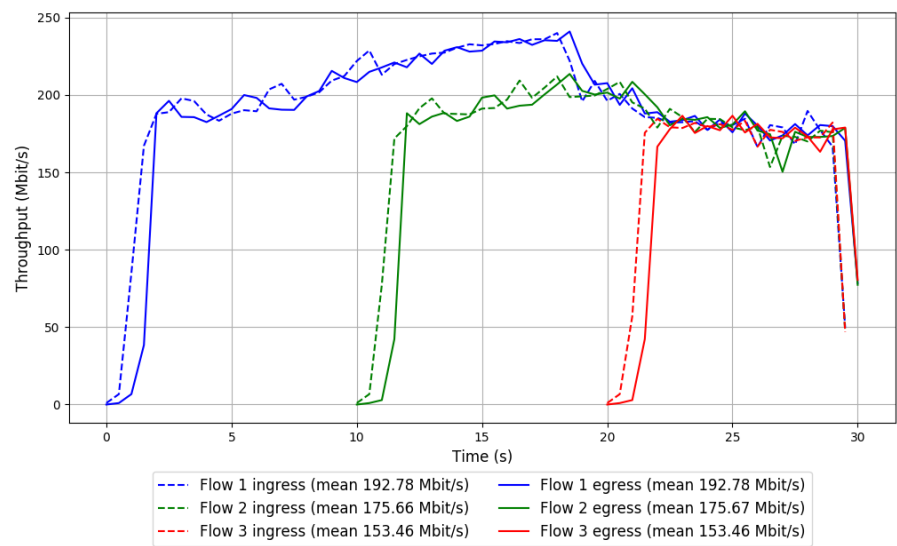
-- Flow 3:

Average throughput: 153.46 Mbit/s

95th percentile per-packet one-way delay: 90.498 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-03 16:17:08

End at: 2018-07-03 16:17:39

Local clock offset: -0.013 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-07-03 20:57:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 358.45 Mbit/s

95th percentile per-packet one-way delay: 97.582 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 195.51 Mbit/s

95th percentile per-packet one-way delay: 95.275 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 175.37 Mbit/s

95th percentile per-packet one-way delay: 97.716 ms

Loss rate: 0.00%

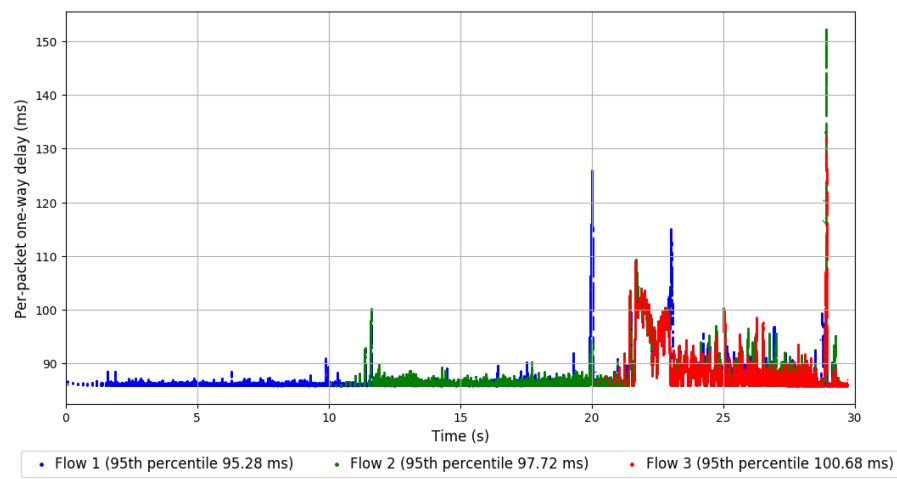
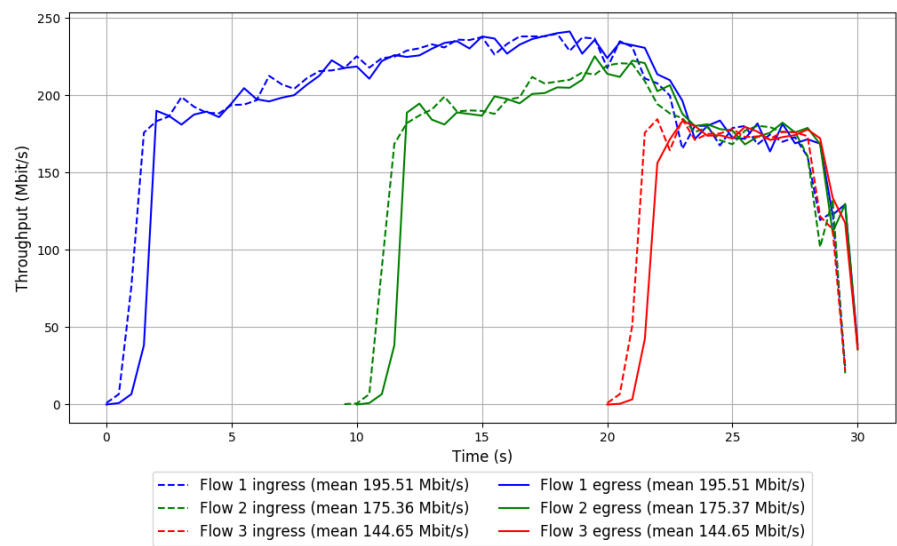
-- Flow 3:

Average throughput: 144.65 Mbit/s

95th percentile per-packet one-way delay: 100.681 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

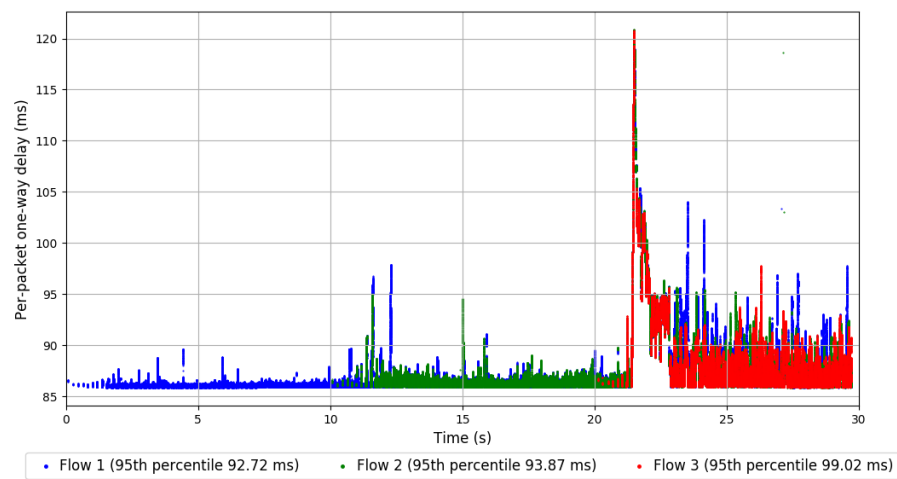
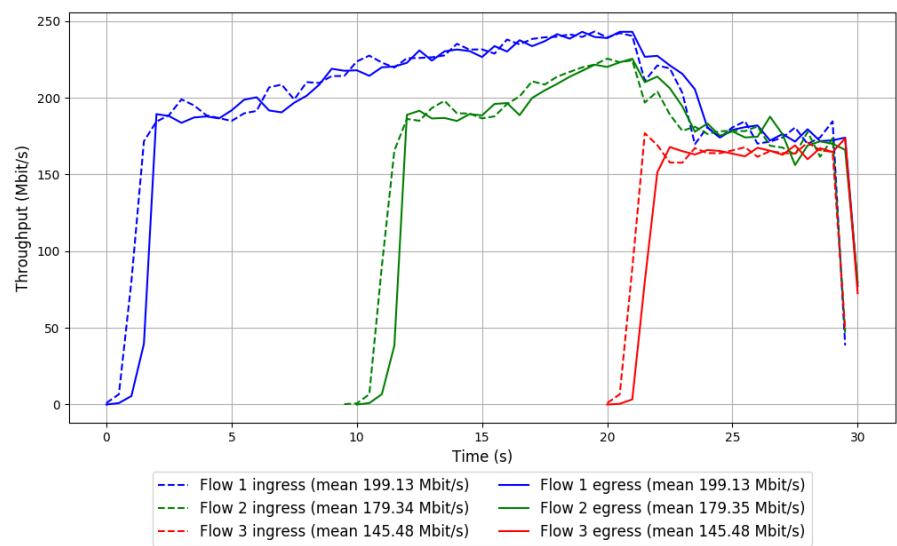


Run 5: Statistics of Indigo

Start at: 2018-07-03 16:42:49
End at: 2018-07-03 16:43:19
Local clock offset: 0.012 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-07-03 20:57:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 365.06 Mbit/s
95th percentile per-packet one-way delay: 93.861 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 199.13 Mbit/s
95th percentile per-packet one-way delay: 92.715 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 179.35 Mbit/s
95th percentile per-packet one-way delay: 93.867 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 145.48 Mbit/s
95th percentile per-packet one-way delay: 99.022 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-03 17:08:32

End at: 2018-07-03 17:09:02

Local clock offset: -0.049 ms

Remote clock offset: -0.18 ms

Below is generated by plot.py at 2018-07-03 20:57:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 368.25 Mbit/s

95th percentile per-packet one-way delay: 94.176 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 201.19 Mbit/s

95th percentile per-packet one-way delay: 93.162 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 178.85 Mbit/s

95th percentile per-packet one-way delay: 94.538 ms

Loss rate: 0.00%

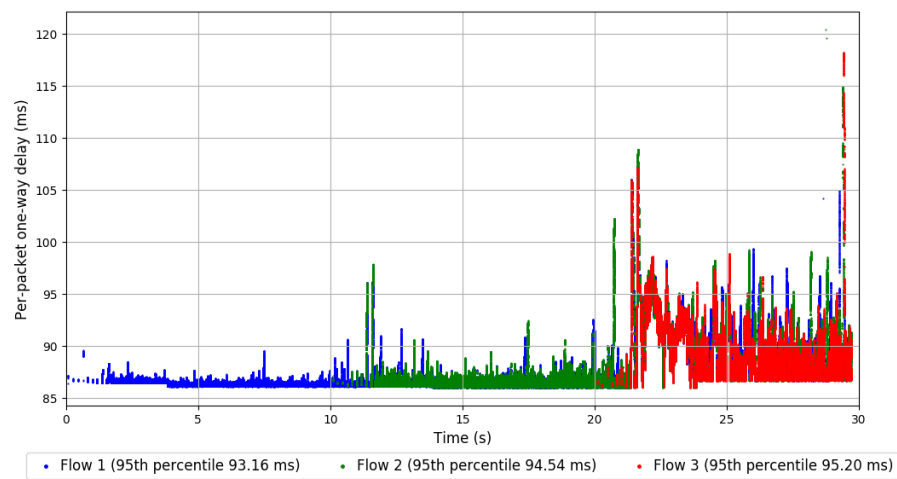
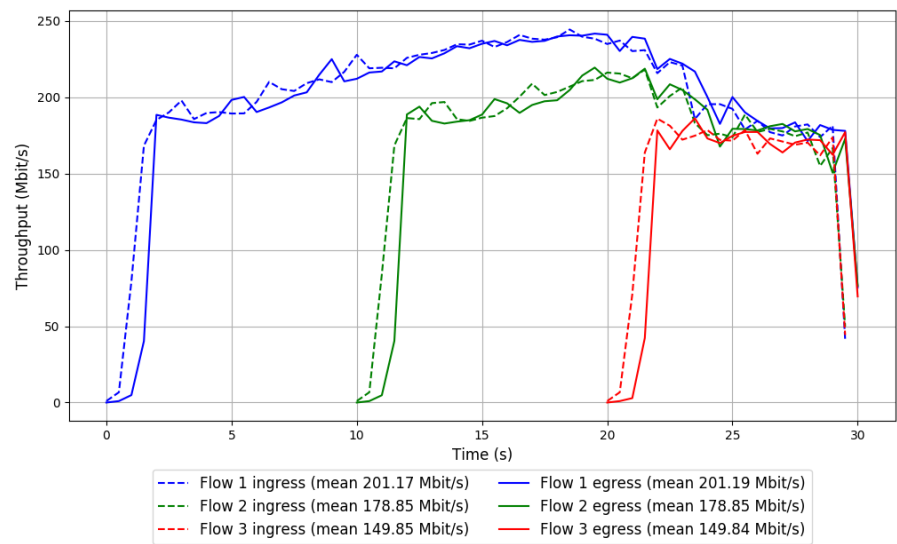
-- Flow 3:

Average throughput: 149.84 Mbit/s

95th percentile per-packet one-way delay: 95.203 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-03 17:34:03

End at: 2018-07-03 17:34:33

Local clock offset: -0.176 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-03 20:57:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 348.80 Mbit/s

95th percentile per-packet one-way delay: 90.084 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 189.65 Mbit/s

95th percentile per-packet one-way delay: 90.139 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 170.30 Mbit/s

95th percentile per-packet one-way delay: 89.799 ms

Loss rate: 0.00%

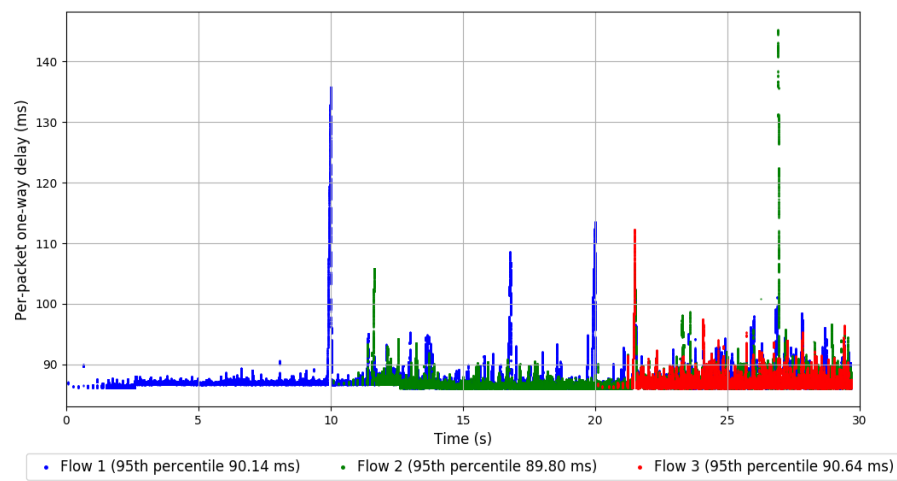
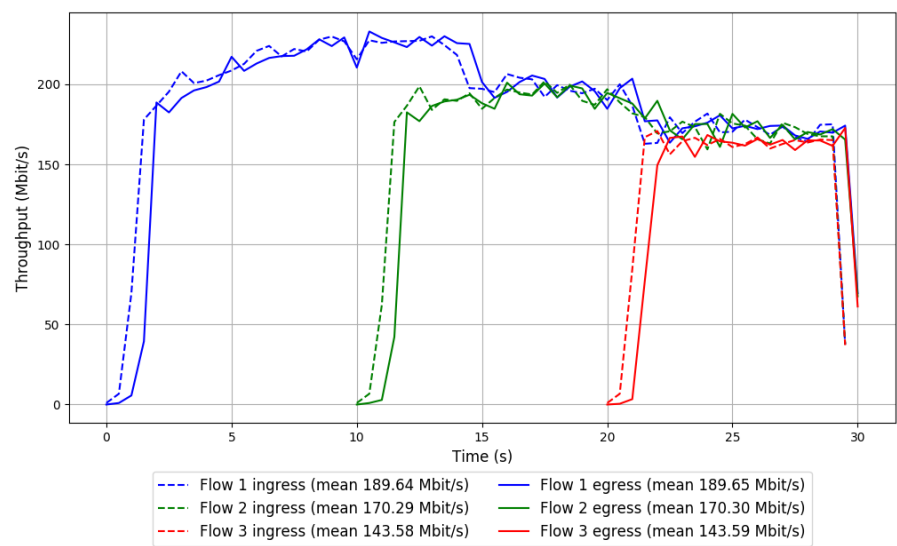
-- Flow 3:

Average throughput: 143.59 Mbit/s

95th percentile per-packet one-way delay: 90.644 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-03 17:59:50

End at: 2018-07-03 18:00:20

Local clock offset: 0.034 ms

Remote clock offset: 0.082 ms

Below is generated by plot.py at 2018-07-03 20:57:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 352.99 Mbit/s

95th percentile per-packet one-way delay: 89.455 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 195.70 Mbit/s

95th percentile per-packet one-way delay: 89.147 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 178.33 Mbit/s

95th percentile per-packet one-way delay: 89.922 ms

Loss rate: 0.00%

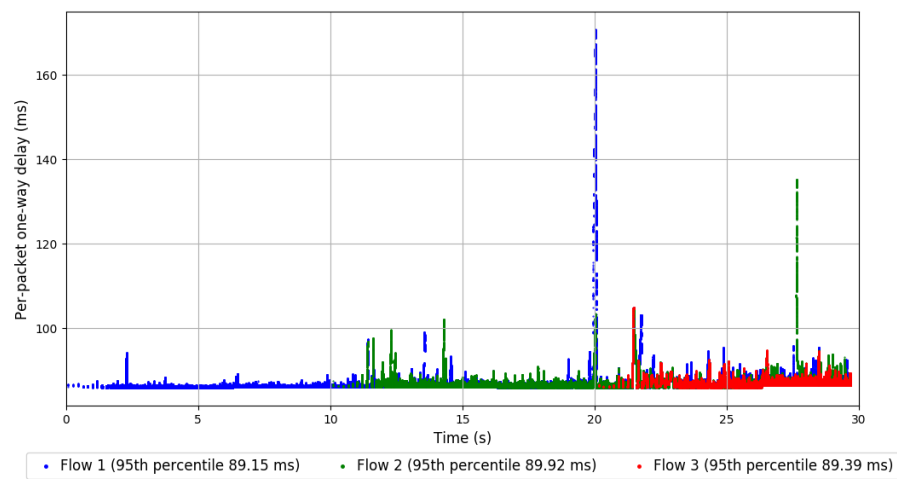
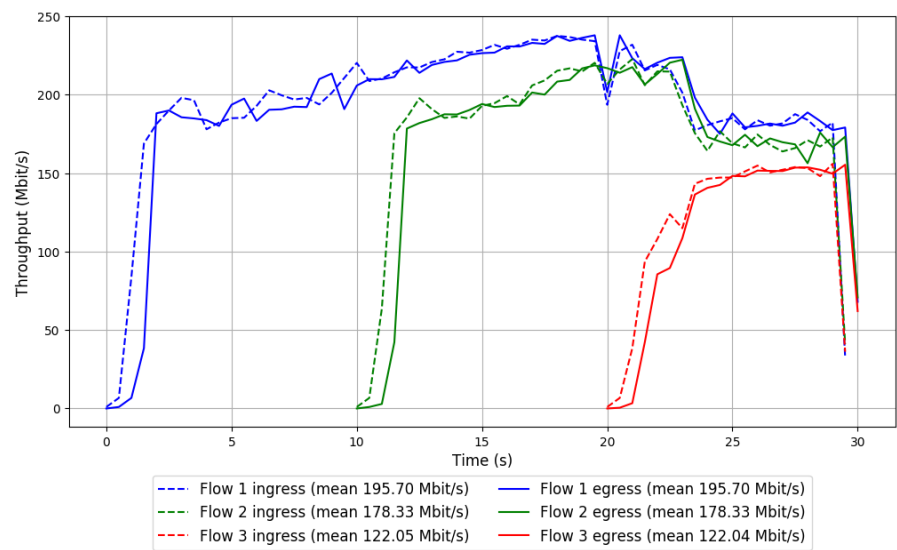
-- Flow 3:

Average throughput: 122.04 Mbit/s

95th percentile per-packet one-way delay: 89.385 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-03 18:25:29

End at: 2018-07-03 18:25:59

Local clock offset: 0.002 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-07-03 20:57:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 359.94 Mbit/s

95th percentile per-packet one-way delay: 94.238 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 192.50 Mbit/s

95th percentile per-packet one-way delay: 93.115 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 181.60 Mbit/s

95th percentile per-packet one-way delay: 94.553 ms

Loss rate: 0.01%

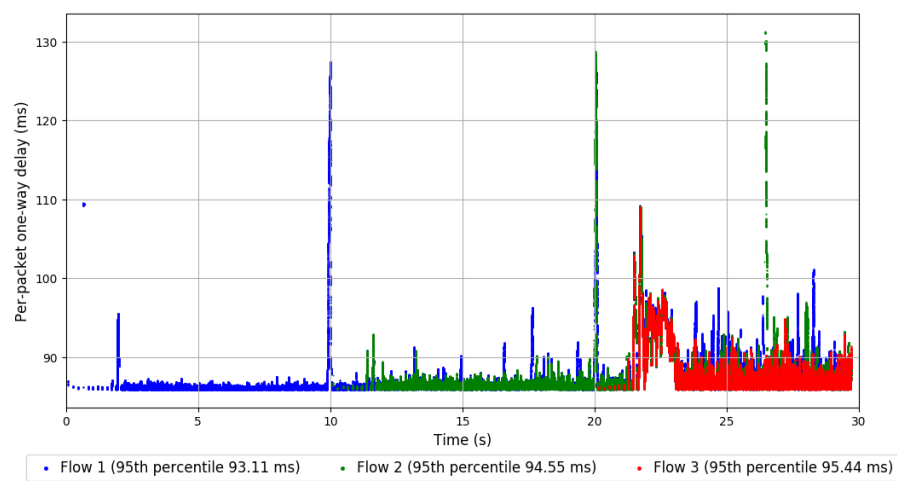
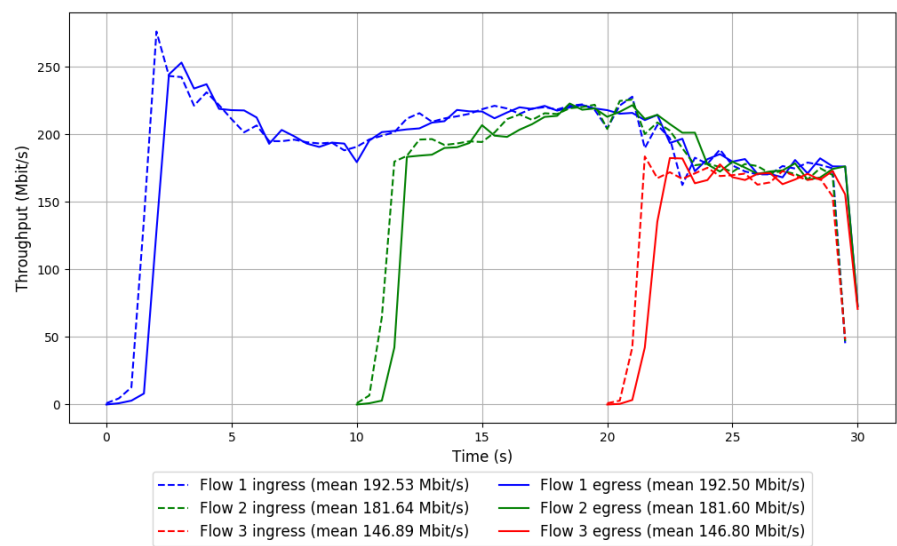
-- Flow 3:

Average throughput: 146.80 Mbit/s

95th percentile per-packet one-way delay: 95.443 ms

Loss rate: 0.04%

Run 9: Report of Indigo — Data Link

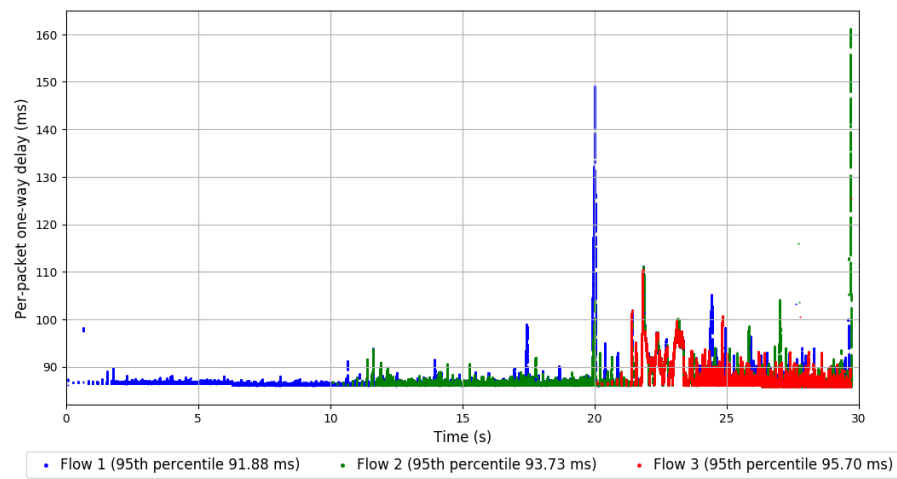
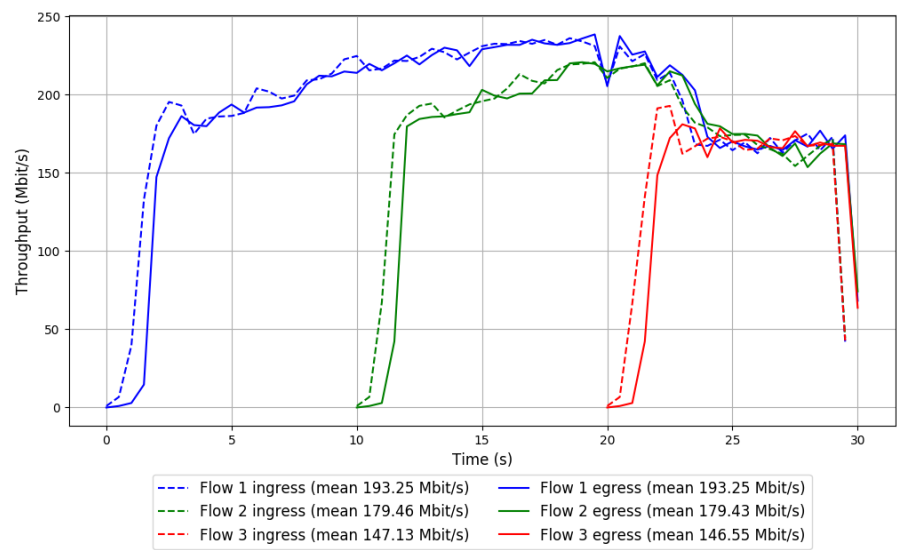


Run 10: Statistics of Indigo

Start at: 2018-07-03 18:51:00
End at: 2018-07-03 18:51:30
Local clock offset: -0.024 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-07-03 20:57:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 359.62 Mbit/s
95th percentile per-packet one-way delay: 93.479 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 193.25 Mbit/s
95th percentile per-packet one-way delay: 91.879 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 179.43 Mbit/s
95th percentile per-packet one-way delay: 93.729 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 146.55 Mbit/s
95th percentile per-packet one-way delay: 95.700 ms
Loss rate: 0.39%

Run 10: Report of Indigo — Data Link

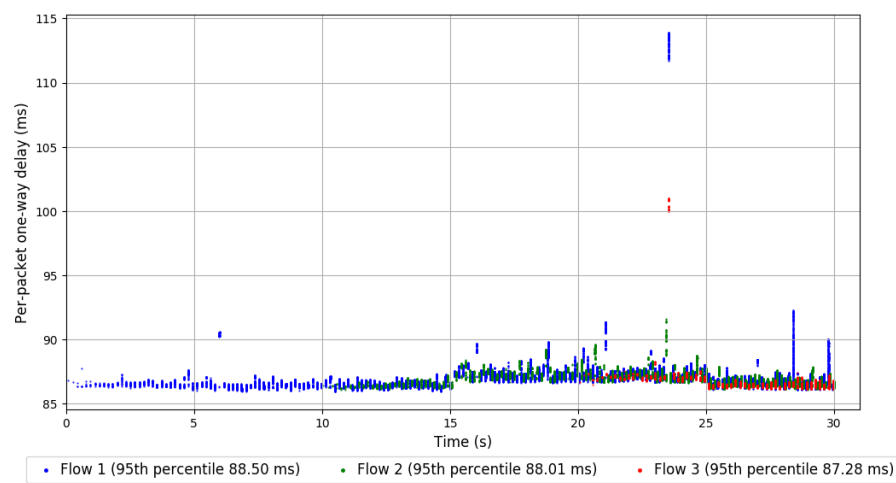
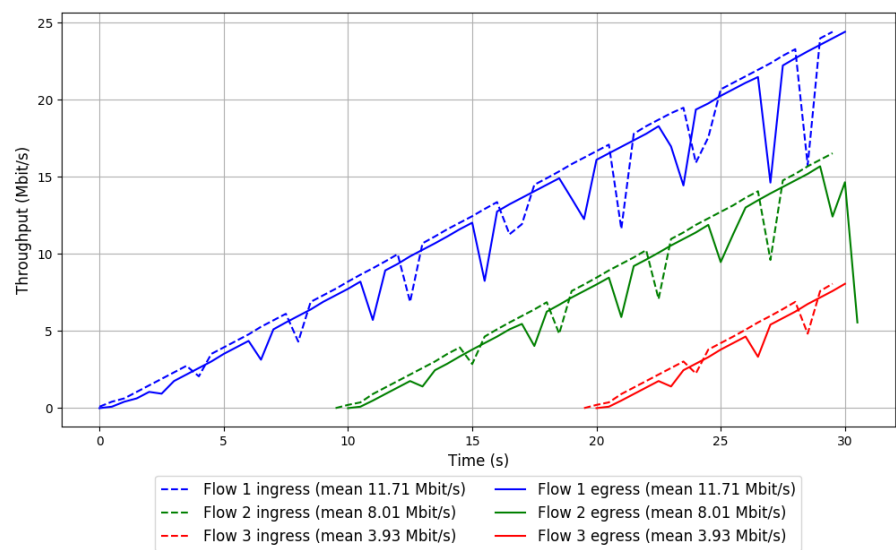


Run 1: Statistics of LEDBAT

Start at: 2018-07-03 15:14:01
End at: 2018-07-03 15:14:31
Local clock offset: 0.035 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-07-03 20:57:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.33 Mbit/s
95th percentile per-packet one-way delay: 88.237 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.71 Mbit/s
95th percentile per-packet one-way delay: 88.497 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.01 Mbit/s
95th percentile per-packet one-way delay: 88.013 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 87.283 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

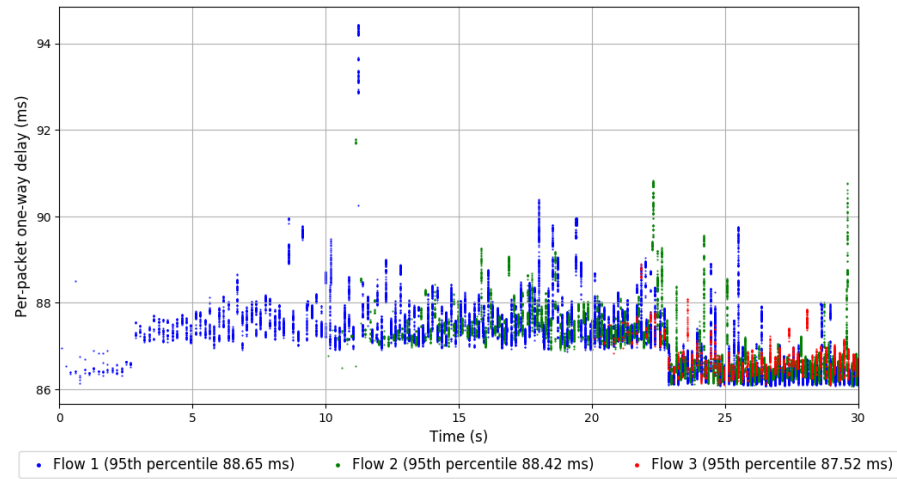
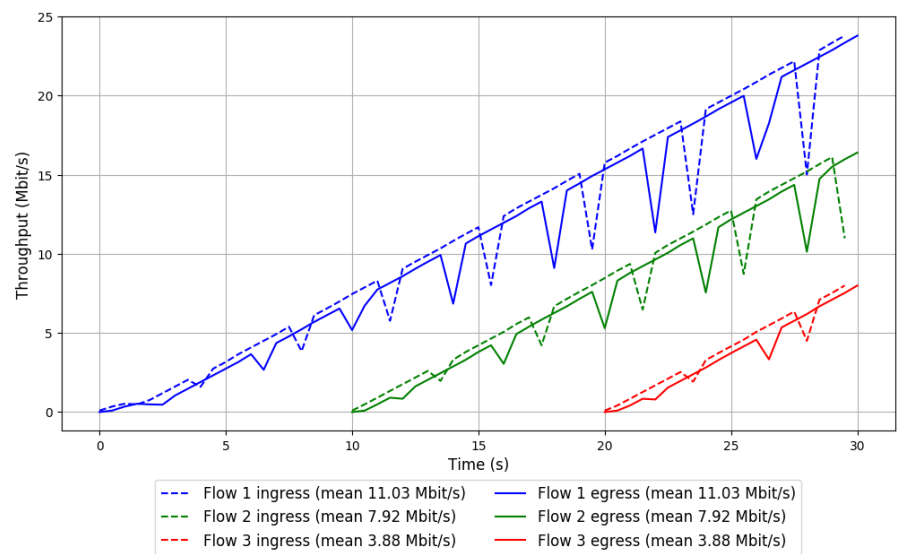


Run 2: Statistics of LEDBAT

Start at: 2018-07-03 15:39:43
End at: 2018-07-03 15:40:13
Local clock offset: -0.297 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-03 20:57:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.56 Mbit/s
95th percentile per-packet one-way delay: 88.497 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.03 Mbit/s
95th percentile per-packet one-way delay: 88.648 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.92 Mbit/s
95th percentile per-packet one-way delay: 88.415 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 87.517 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-03 16:05:27

End at: 2018-07-03 16:05:57

Local clock offset: -0.075 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-07-03 20:57:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.12 Mbit/s

95th percentile per-packet one-way delay: 87.556 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.10 Mbit/s

95th percentile per-packet one-way delay: 87.787 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.11 Mbit/s

95th percentile per-packet one-way delay: 87.099 ms

Loss rate: 0.00%

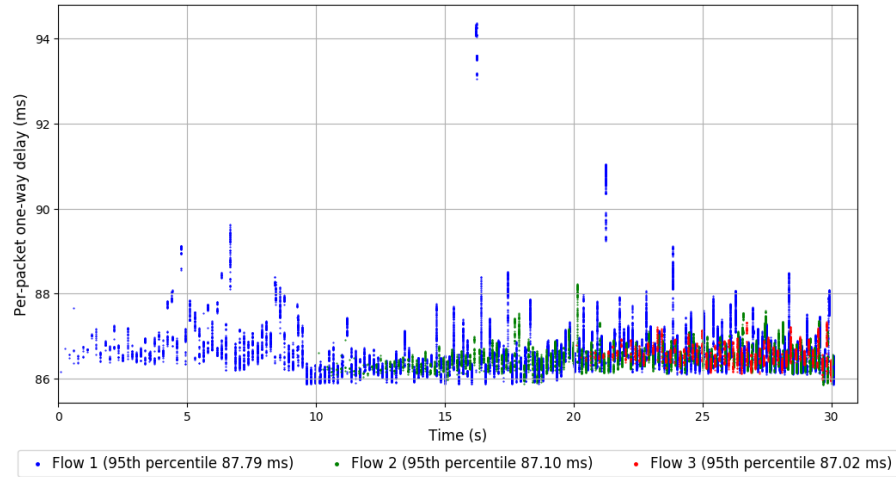
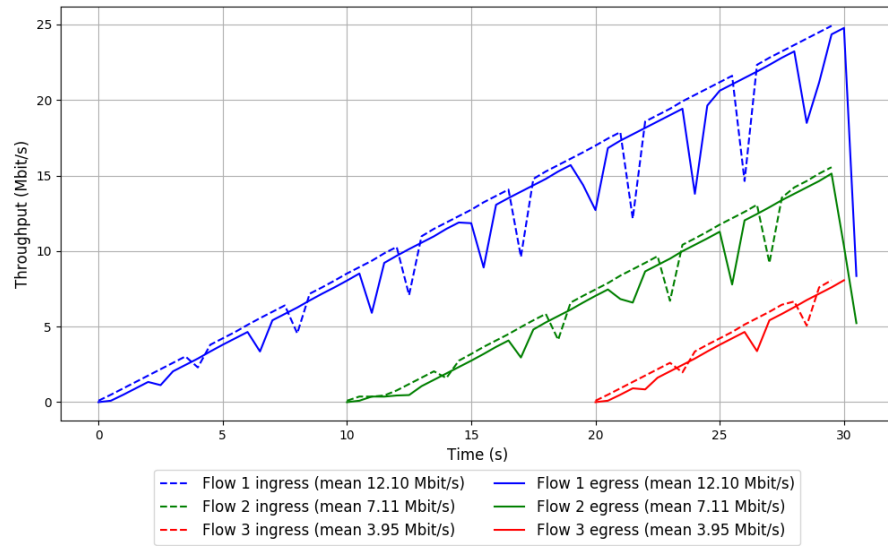
-- Flow 3:

Average throughput: 3.95 Mbit/s

95th percentile per-packet one-way delay: 87.017 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-03 16:31:06

End at: 2018-07-03 16:31:36

Local clock offset: 0.085 ms

Remote clock offset: 0.107 ms

Below is generated by plot.py at 2018-07-03 20:57:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.77 Mbit/s

95th percentile per-packet one-way delay: 87.172 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 11.83 Mbit/s

95th percentile per-packet one-way delay: 87.359 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.07 Mbit/s

95th percentile per-packet one-way delay: 86.905 ms

Loss rate: 0.00%

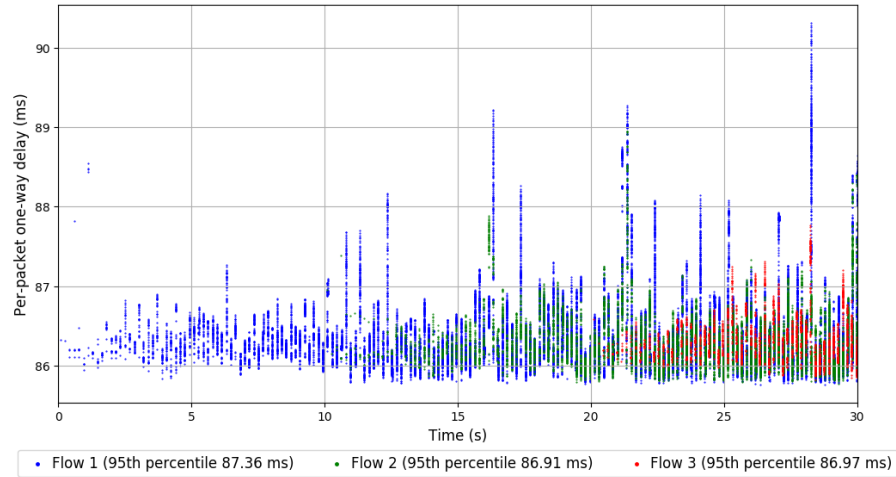
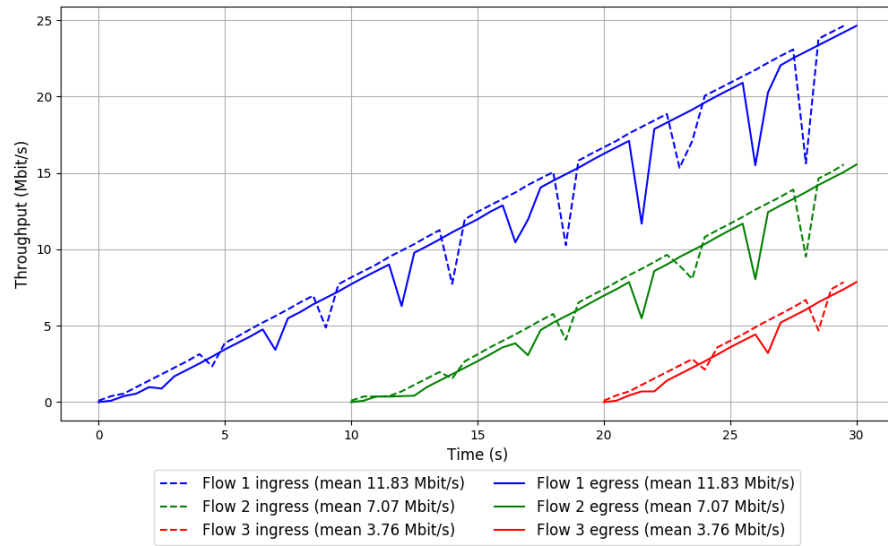
-- Flow 3:

Average throughput: 3.76 Mbit/s

95th percentile per-packet one-way delay: 86.970 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-03 16:56:51

End at: 2018-07-03 16:57:21

Local clock offset: 0.103 ms

Remote clock offset: -0.19 ms

Below is generated by plot.py at 2018-07-03 20:57:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.17 Mbit/s

95th percentile per-packet one-way delay: 87.257 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 11.01 Mbit/s

95th percentile per-packet one-way delay: 87.185 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.31 Mbit/s

95th percentile per-packet one-way delay: 87.495 ms

Loss rate: 0.00%

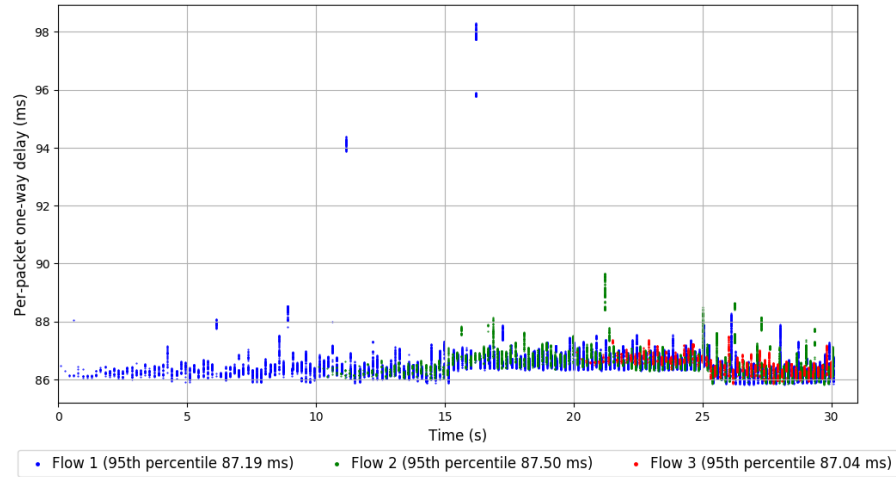
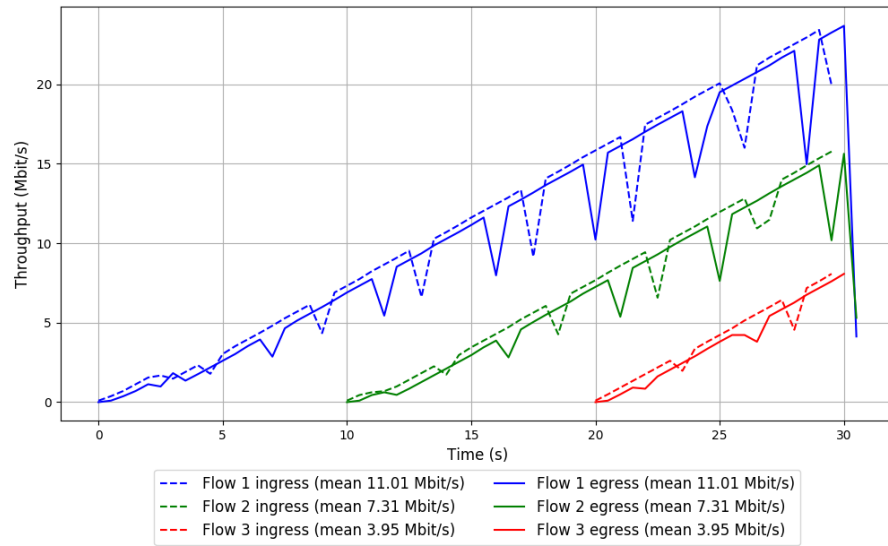
-- Flow 3:

Average throughput: 3.95 Mbit/s

95th percentile per-packet one-way delay: 87.044 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-03 17:22:23

End at: 2018-07-03 17:22:53

Local clock offset: -0.183 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-07-03 20:57:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.64 Mbit/s

95th percentile per-packet one-way delay: 87.390 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 10.68 Mbit/s

95th percentile per-packet one-way delay: 87.506 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 6.99 Mbit/s

95th percentile per-packet one-way delay: 87.179 ms

Loss rate: 0.00%

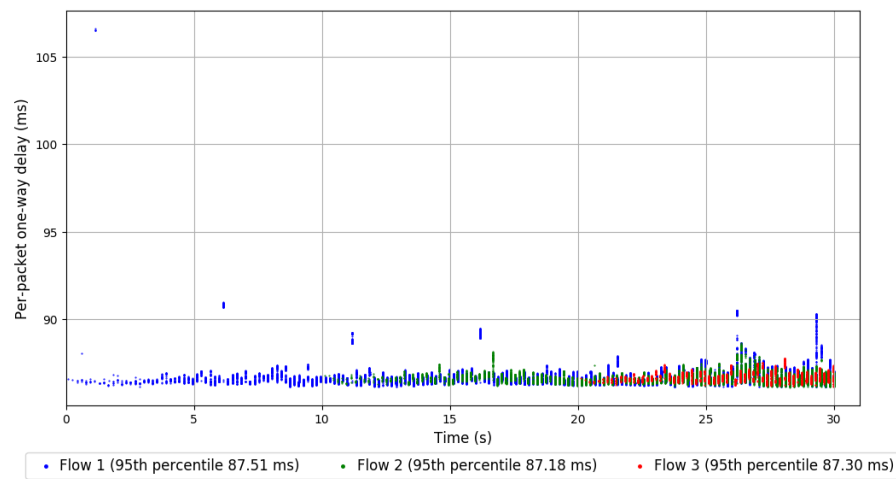
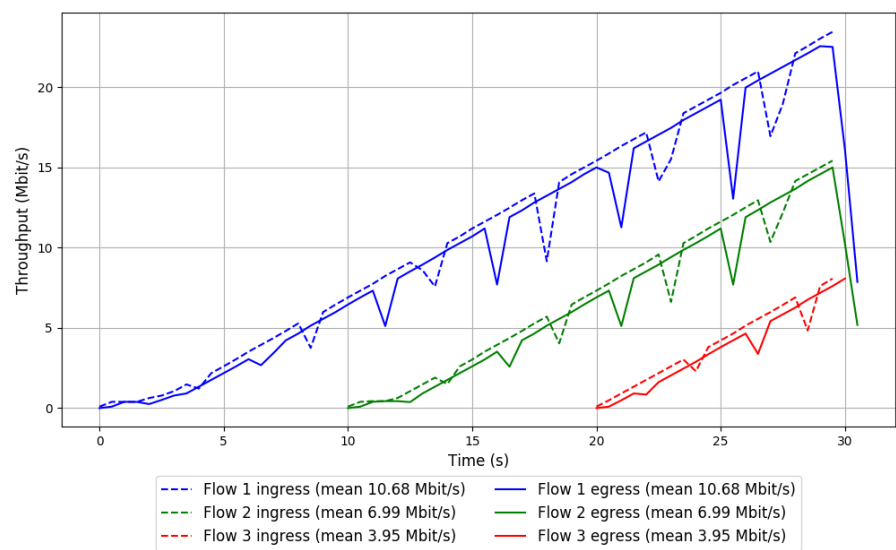
-- Flow 3:

Average throughput: 3.95 Mbit/s

95th percentile per-packet one-way delay: 87.295 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-03 17:48:04

End at: 2018-07-03 17:48:34

Local clock offset: -0.007 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-07-03 20:57:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.60 Mbit/s

95th percentile per-packet one-way delay: 87.460 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.13 Mbit/s

95th percentile per-packet one-way delay: 87.713 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.07 Mbit/s

95th percentile per-packet one-way delay: 87.062 ms

Loss rate: 0.00%

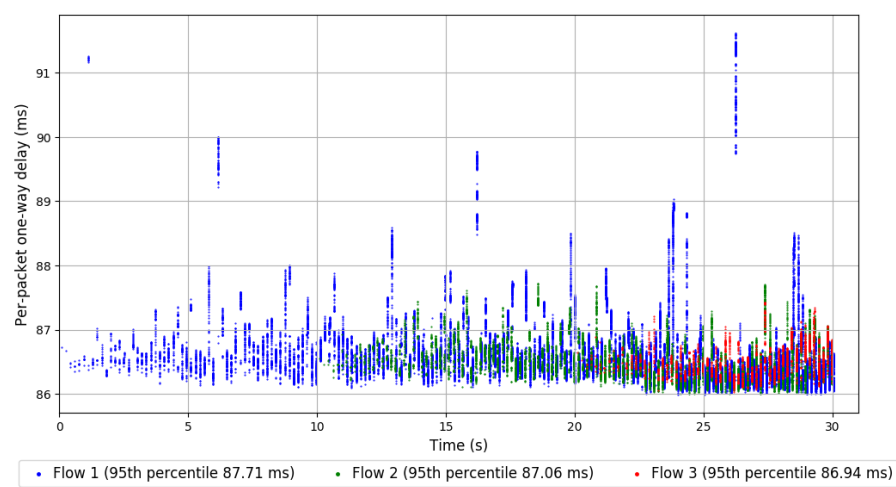
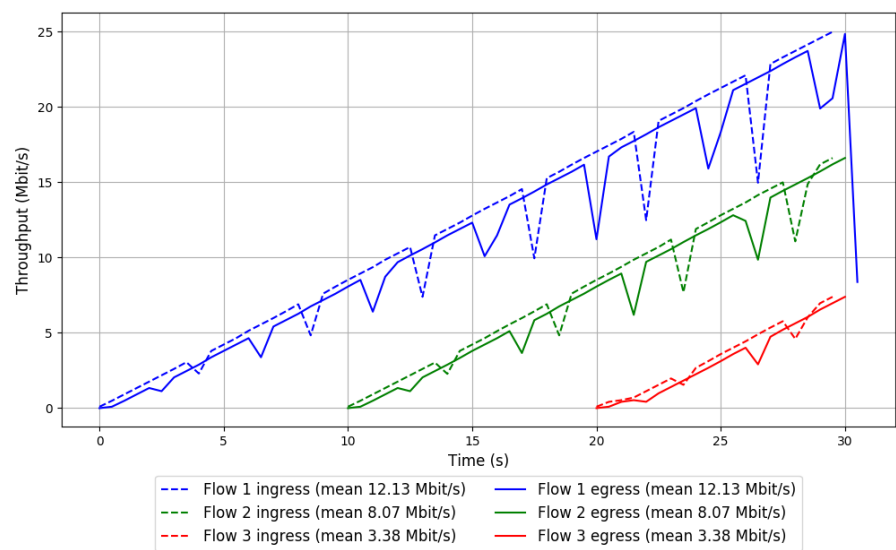
-- Flow 3:

Average throughput: 3.38 Mbit/s

95th percentile per-packet one-way delay: 86.936 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-03 18:13:49

End at: 2018-07-03 18:14:19

Local clock offset: -0.118 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-07-03 20:57:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.60 Mbit/s

95th percentile per-packet one-way delay: 87.028 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 11.06 Mbit/s

95th percentile per-packet one-way delay: 87.181 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.06 Mbit/s

95th percentile per-packet one-way delay: 86.921 ms

Loss rate: 0.00%

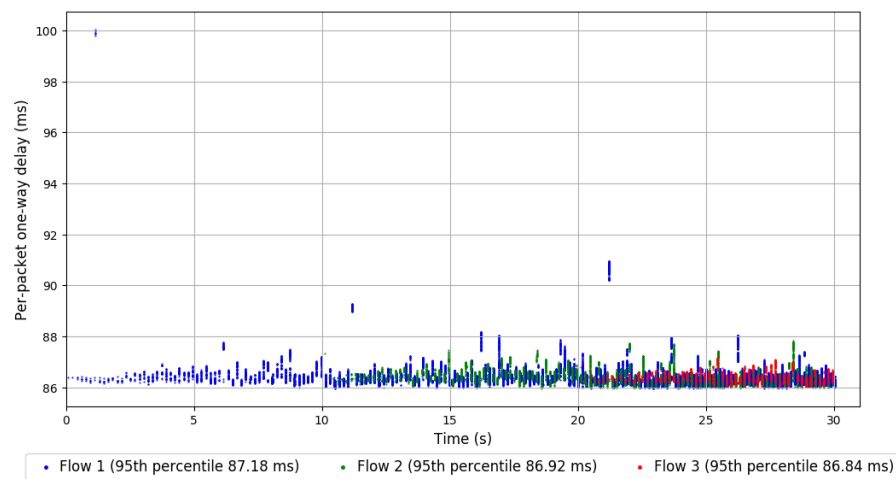
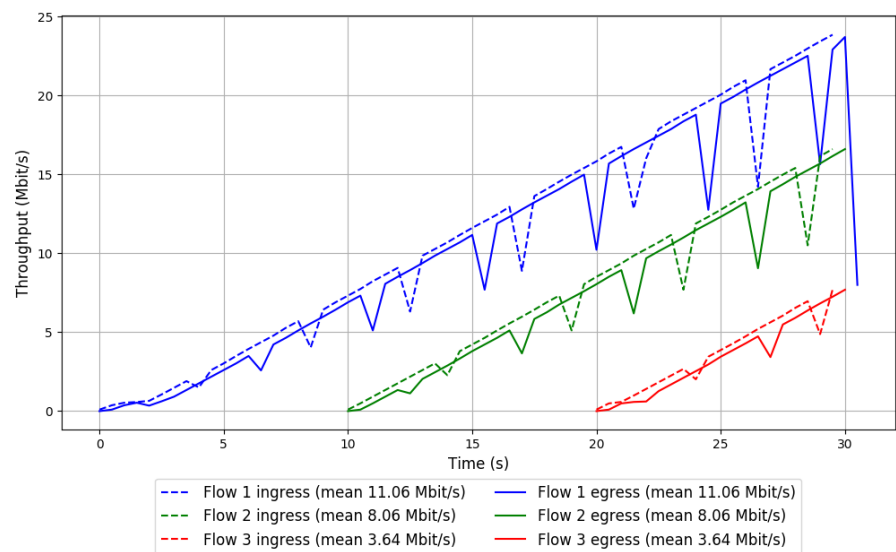
-- Flow 3:

Average throughput: 3.64 Mbit/s

95th percentile per-packet one-way delay: 86.836 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

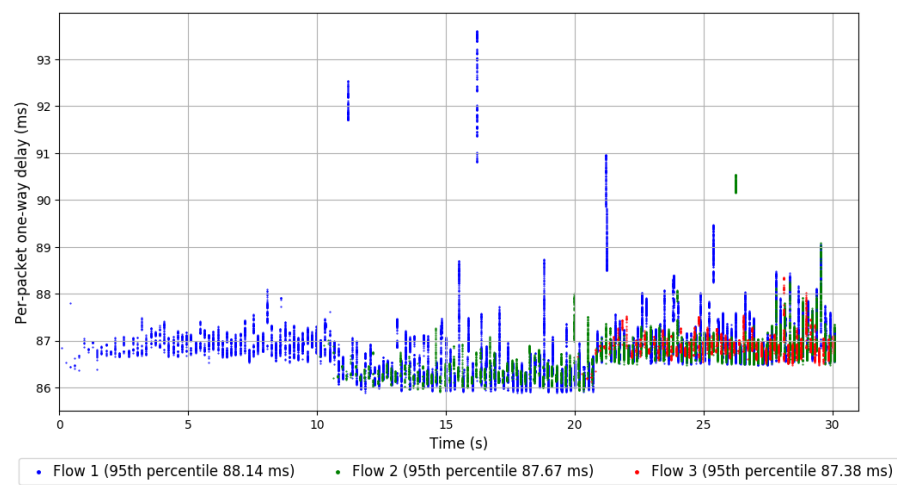
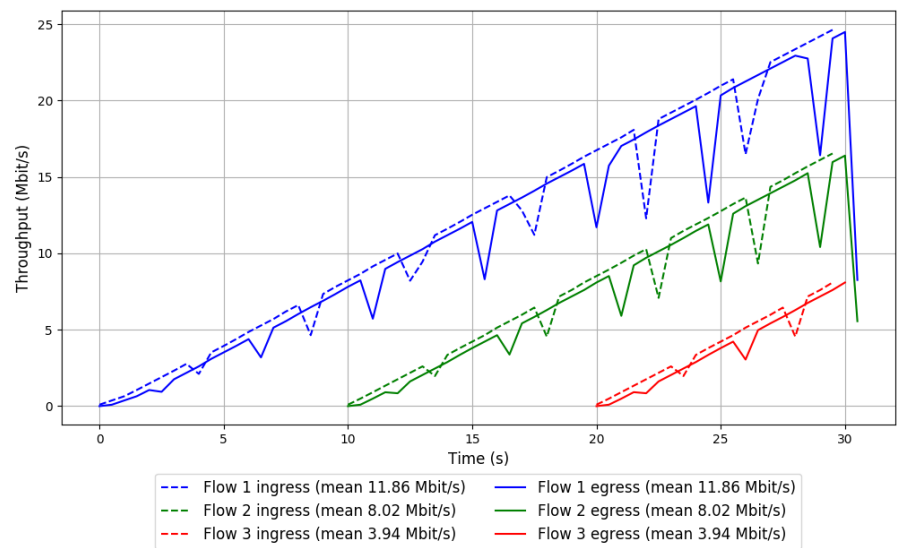


Run 9: Statistics of LEDBAT

Start at: 2018-07-03 18:39:16
End at: 2018-07-03 18:39:46
Local clock offset: -0.104 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2018-07-03 20:57:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.50 Mbit/s
95th percentile per-packet one-way delay: 87.953 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.86 Mbit/s
95th percentile per-packet one-way delay: 88.142 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.02 Mbit/s
95th percentile per-packet one-way delay: 87.674 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 87.380 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

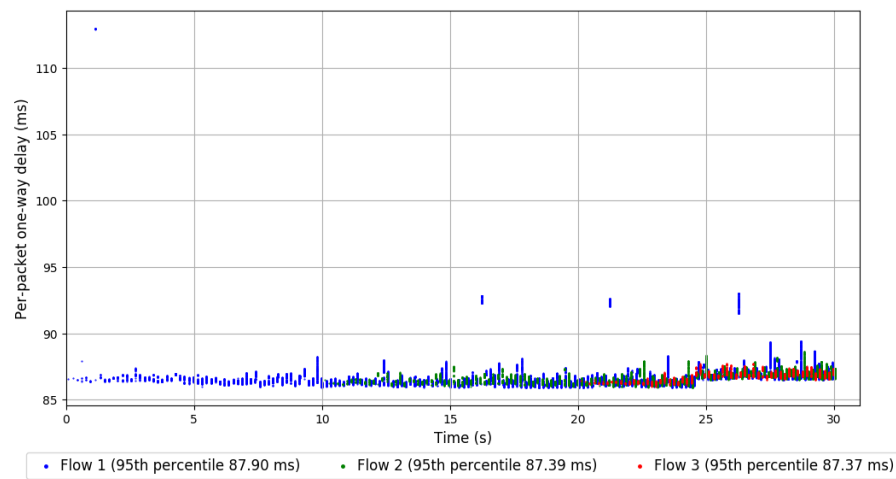
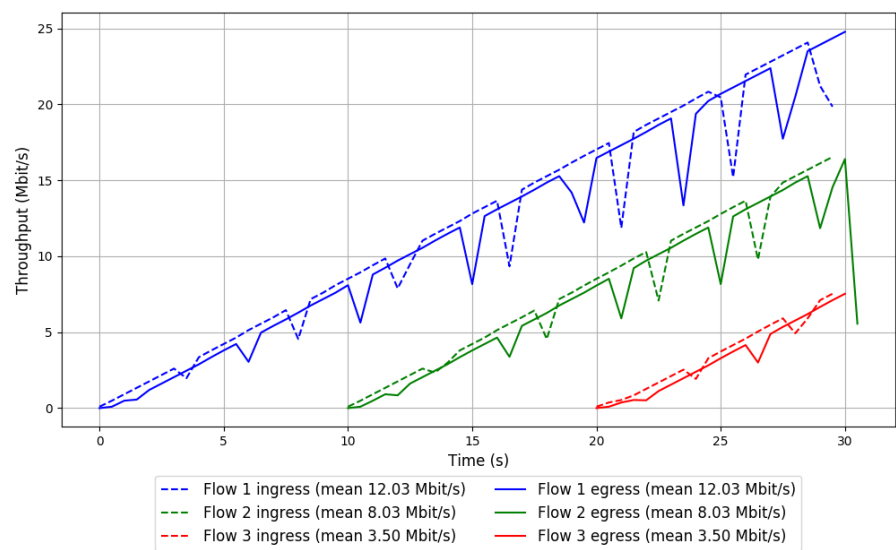


Run 10: Statistics of LEDBAT

Start at: 2018-07-03 19:04:52
End at: 2018-07-03 19:05:22
Local clock offset: -0.049 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-03 20:57:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.49 Mbit/s
95th percentile per-packet one-way delay: 87.616 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 87.896 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.03 Mbit/s
95th percentile per-packet one-way delay: 87.392 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.50 Mbit/s
95th percentile per-packet one-way delay: 87.373 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

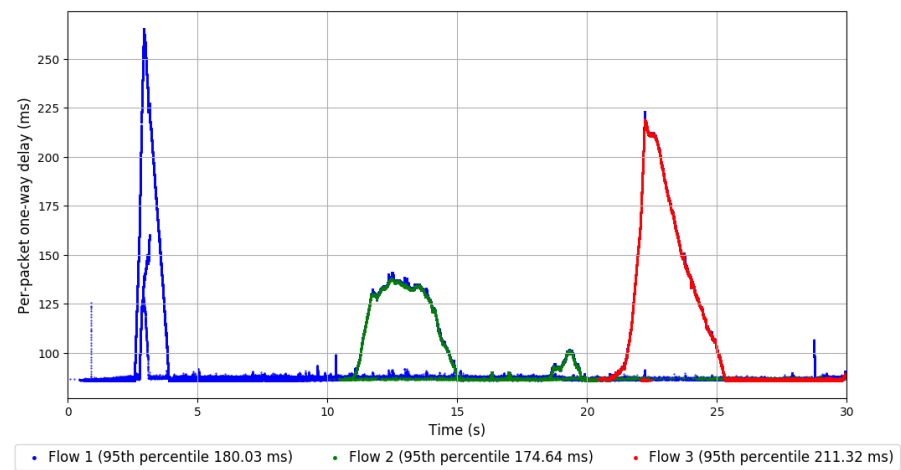
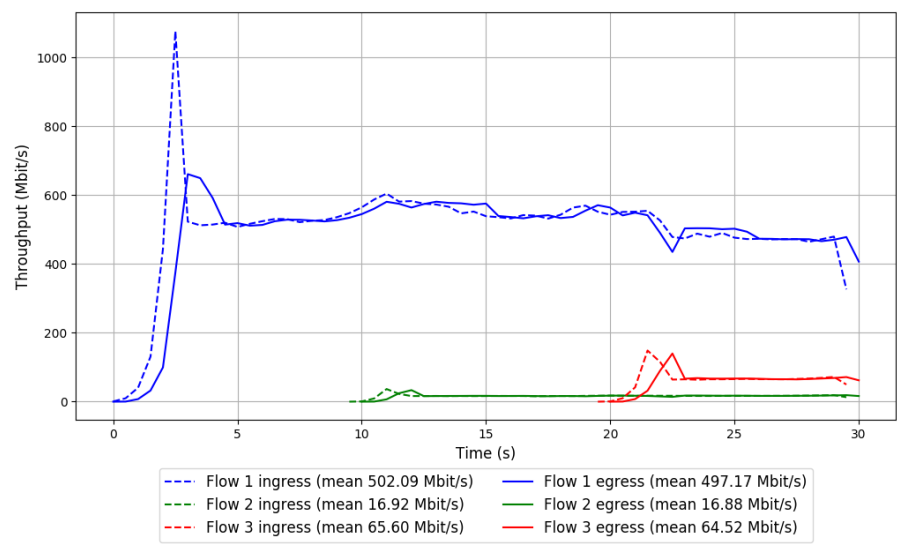


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-03 14:57:17
End at: 2018-07-03 14:57:47
Local clock offset: 0.011 ms
Remote clock offset: -0.117 ms

# Below is generated by plot.py at 2018-07-03 20:58:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 529.67 Mbit/s
95th percentile per-packet one-way delay: 183.790 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 497.17 Mbit/s
95th percentile per-packet one-way delay: 180.035 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 16.88 Mbit/s
95th percentile per-packet one-way delay: 174.642 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 64.52 Mbit/s
95th percentile per-packet one-way delay: 211.318 ms
Loss rate: 1.64%
```

Run 1: Report of PCC-Allegro — Data Link

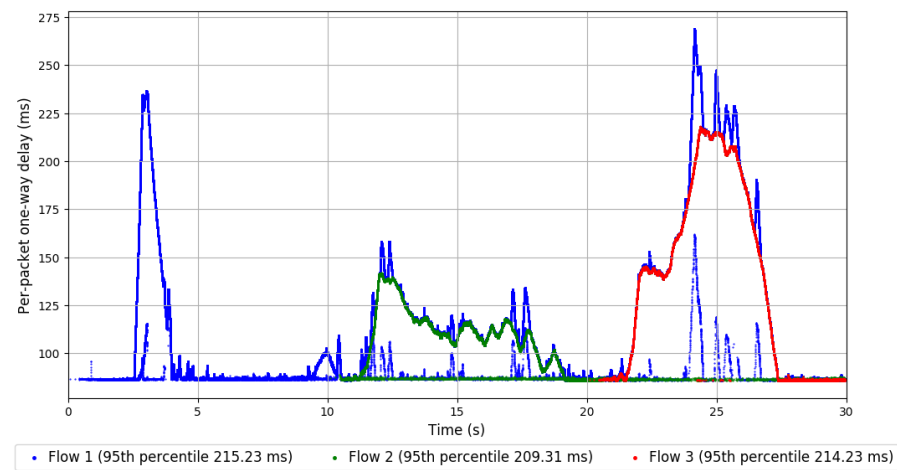
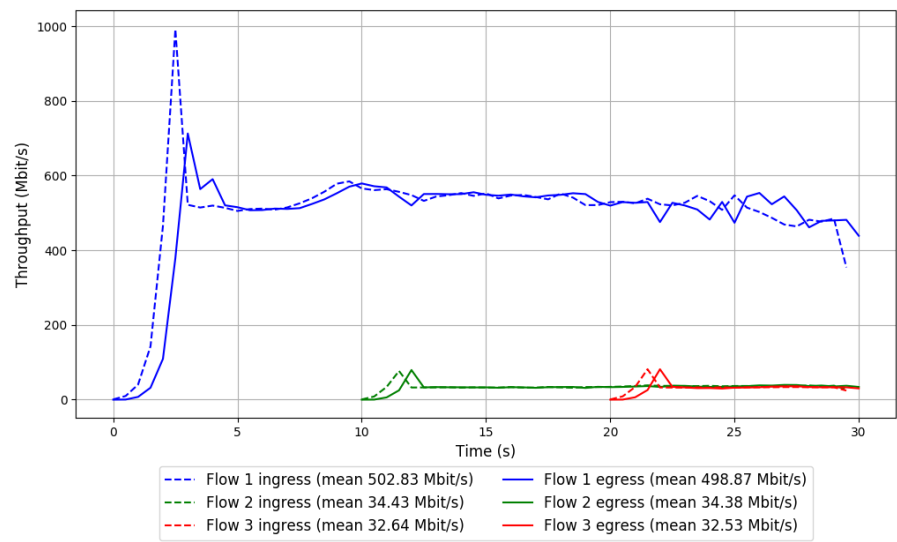


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-03 15:22:57
End at: 2018-07-03 15:23:27
Local clock offset: 0.124 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-07-03 20:58:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 532.43 Mbit/s
95th percentile per-packet one-way delay: 214.978 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 498.87 Mbit/s
95th percentile per-packet one-way delay: 215.227 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 34.38 Mbit/s
95th percentile per-packet one-way delay: 209.305 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 32.53 Mbit/s
95th percentile per-packet one-way delay: 214.234 ms
Loss rate: 0.32%

Run 2: Report of PCC-Allegro — Data Link

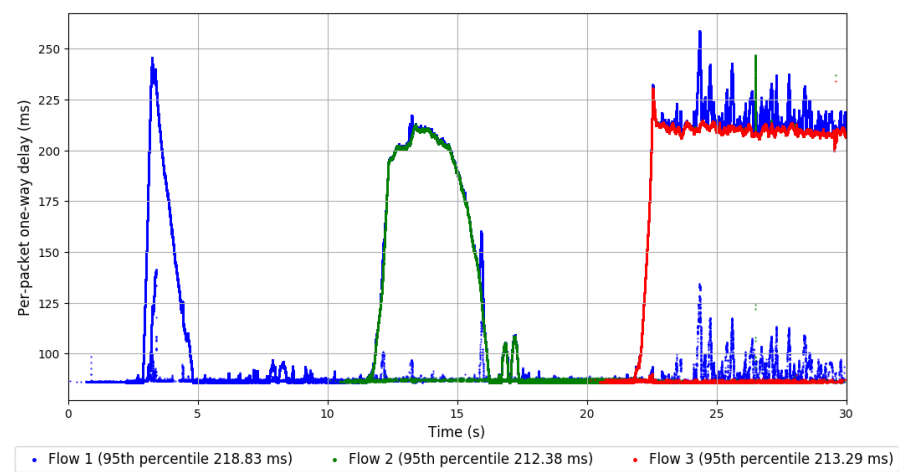
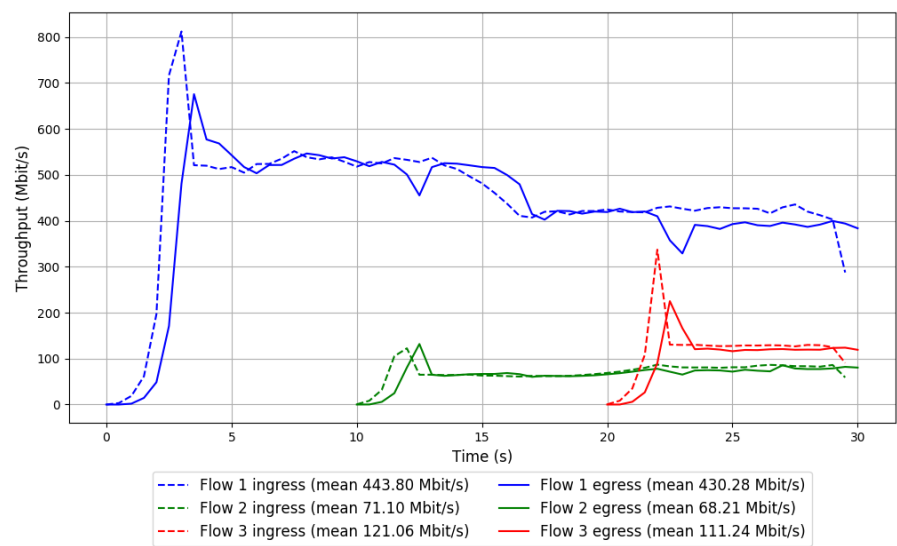


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-03 15:48:44
End at: 2018-07-03 15:49:14
Local clock offset: -0.103 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-07-03 20:58:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 512.26 Mbit/s
95th percentile per-packet one-way delay: 217.831 ms
Loss rate: 3.36%
-- Flow 1:
Average throughput: 430.28 Mbit/s
95th percentile per-packet one-way delay: 218.829 ms
Loss rate: 2.91%
-- Flow 2:
Average throughput: 68.21 Mbit/s
95th percentile per-packet one-way delay: 212.381 ms
Loss rate: 3.87%
-- Flow 3:
Average throughput: 111.24 Mbit/s
95th percentile per-packet one-way delay: 213.286 ms
Loss rate: 7.74%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-03 16:14:20

End at: 2018-07-03 16:14:50

Local clock offset: -0.17 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-07-03 21:00:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 534.47 Mbit/s

95th percentile per-packet one-way delay: 183.421 ms

Loss rate: 0.82%

-- Flow 1:

Average throughput: 503.04 Mbit/s

95th percentile per-packet one-way delay: 183.620 ms

Loss rate: 0.87%

-- Flow 2:

Average throughput: 16.43 Mbit/s

95th percentile per-packet one-way delay: 182.708 ms

Loss rate: 0.04%

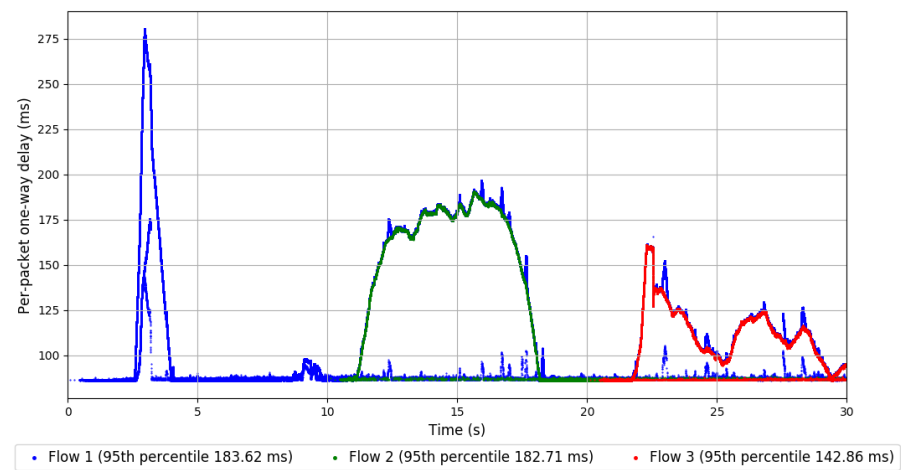
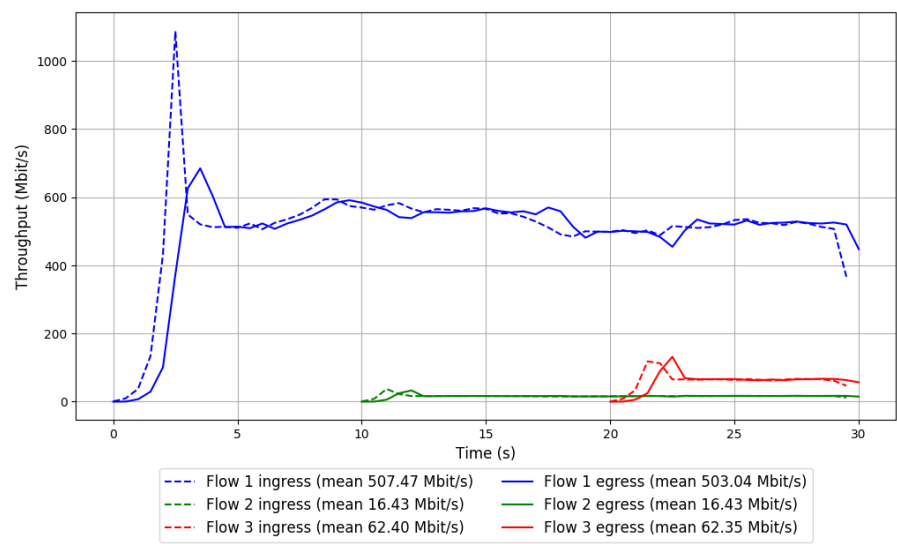
-- Flow 3:

Average throughput: 62.35 Mbit/s

95th percentile per-packet one-way delay: 142.857 ms

Loss rate: 0.09%

Run 4: Report of PCC-Allegro — Data Link

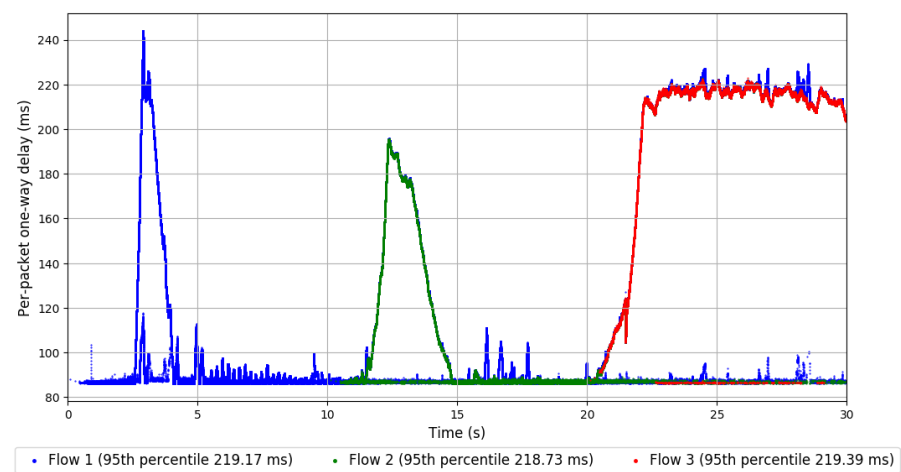
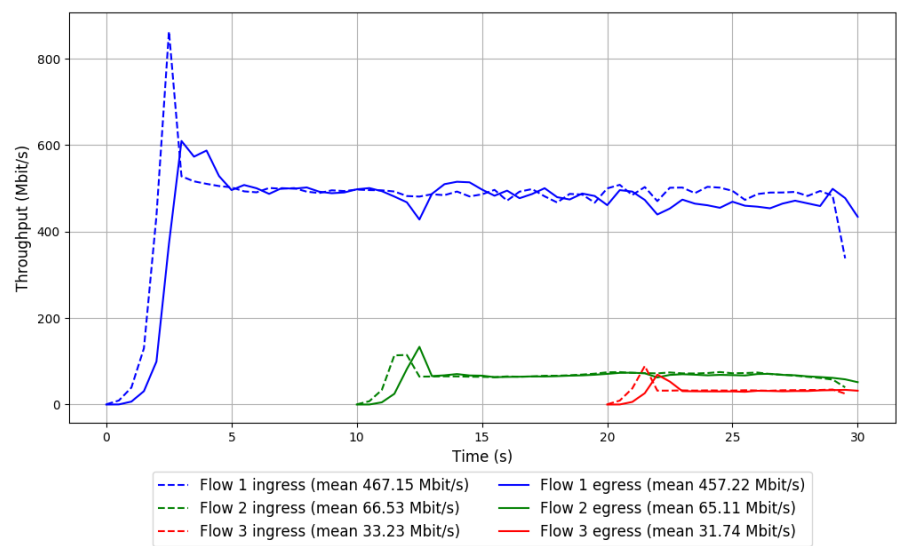


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-03 16:40:00
End at: 2018-07-03 16:40:30
Local clock offset: -0.243 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-07-03 21:00:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 510.92 Mbit/s
95th percentile per-packet one-way delay: 219.129 ms
Loss rate: 2.18%
-- Flow 1:
Average throughput: 457.22 Mbit/s
95th percentile per-packet one-way delay: 219.173 ms
Loss rate: 2.13%
-- Flow 2:
Average throughput: 65.11 Mbit/s
95th percentile per-packet one-way delay: 218.734 ms
Loss rate: 2.13%
-- Flow 3:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 219.387 ms
Loss rate: 4.49%

Run 5: Report of PCC-Allegro — Data Link

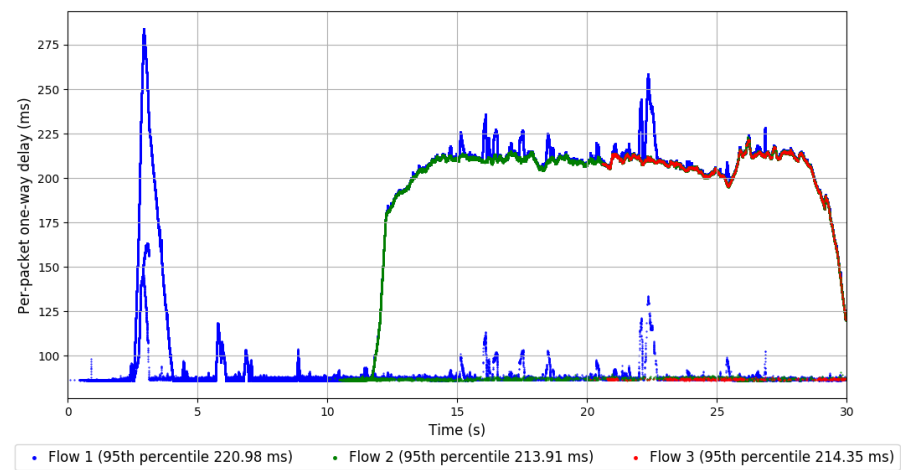
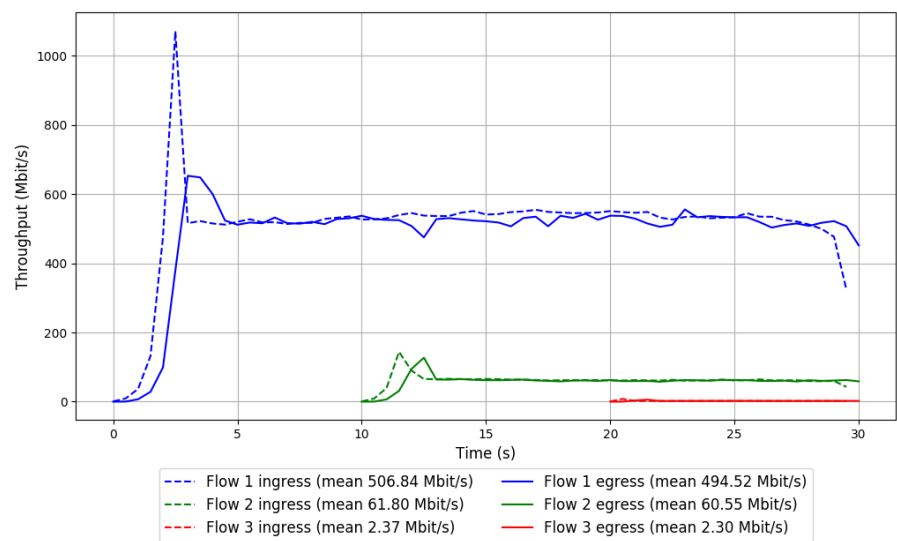


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-03 17:05:41
End at: 2018-07-03 17:06:11
Local clock offset: -0.126 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2018-07-03 21:01:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 535.49 Mbit/s
95th percentile per-packet one-way delay: 220.061 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 494.52 Mbit/s
95th percentile per-packet one-way delay: 220.983 ms
Loss rate: 2.43%
-- Flow 2:
Average throughput: 60.55 Mbit/s
95th percentile per-packet one-way delay: 213.911 ms
Loss rate: 2.02%
-- Flow 3:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 214.350 ms
Loss rate: 2.93%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-03 17:31:15

End at: 2018-07-03 17:31:45

Local clock offset: 0.25 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-07-03 21:05:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 503.76 Mbit/s

95th percentile per-packet one-way delay: 226.348 ms

Loss rate: 4.99%

-- Flow 1:

Average throughput: 394.15 Mbit/s

95th percentile per-packet one-way delay: 226.356 ms

Loss rate: 4.21%

-- Flow 2:

Average throughput: 110.94 Mbit/s

95th percentile per-packet one-way delay: 225.559 ms

Loss rate: 5.68%

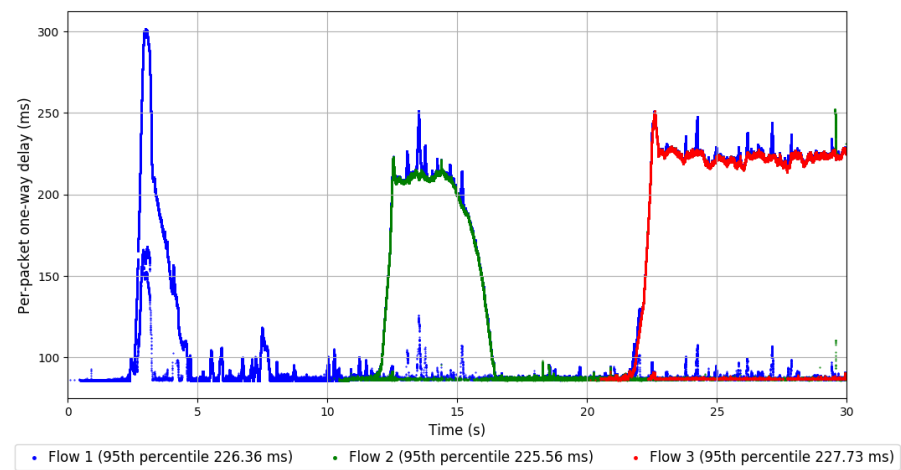
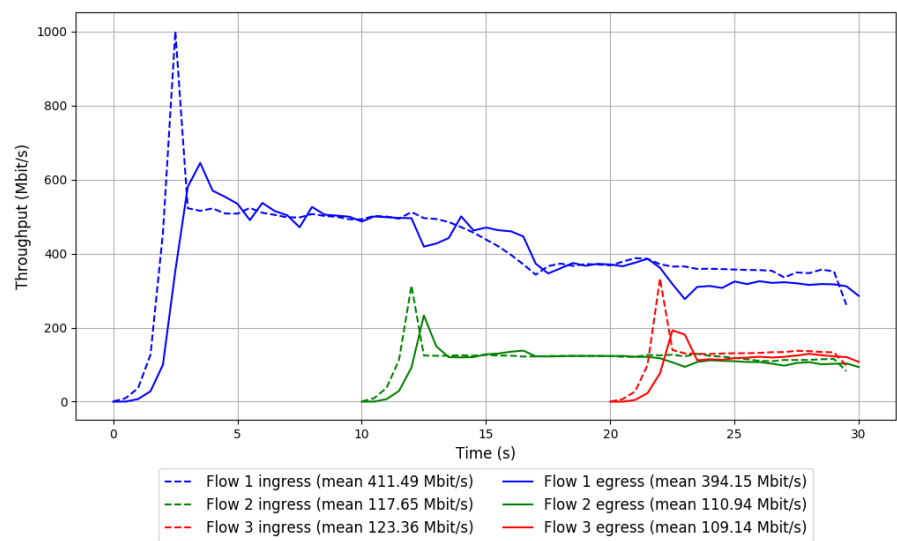
-- Flow 3:

Average throughput: 109.14 Mbit/s

95th percentile per-packet one-way delay: 227.728 ms

Loss rate: 11.51%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-03 17:56:51

End at: 2018-07-03 17:57:21

Local clock offset: 0.153 ms

Remote clock offset: 0.107 ms

Below is generated by plot.py at 2018-07-03 21:06:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 514.94 Mbit/s

95th percentile per-packet one-way delay: 222.143 ms

Loss rate: 1.62%

-- Flow 1:

Average throughput: 476.70 Mbit/s

95th percentile per-packet one-way delay: 222.372 ms

Loss rate: 1.67%

-- Flow 2:

Average throughput: 27.28 Mbit/s

95th percentile per-packet one-way delay: 220.288 ms

Loss rate: 1.14%

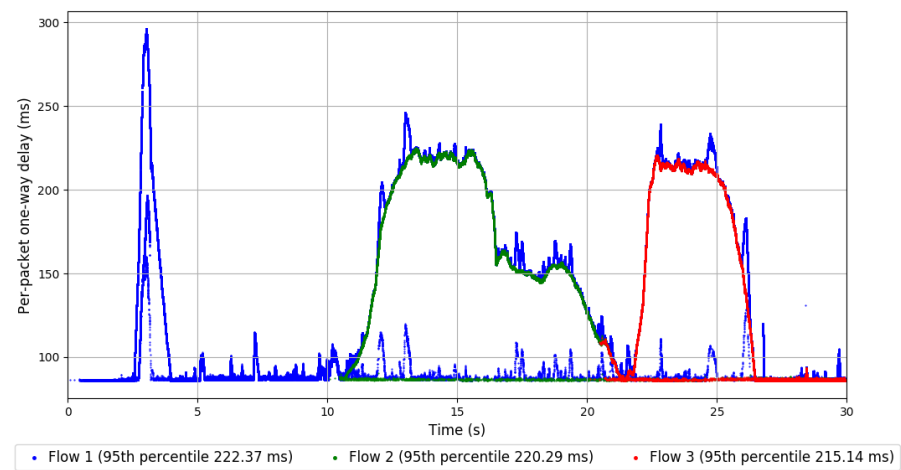
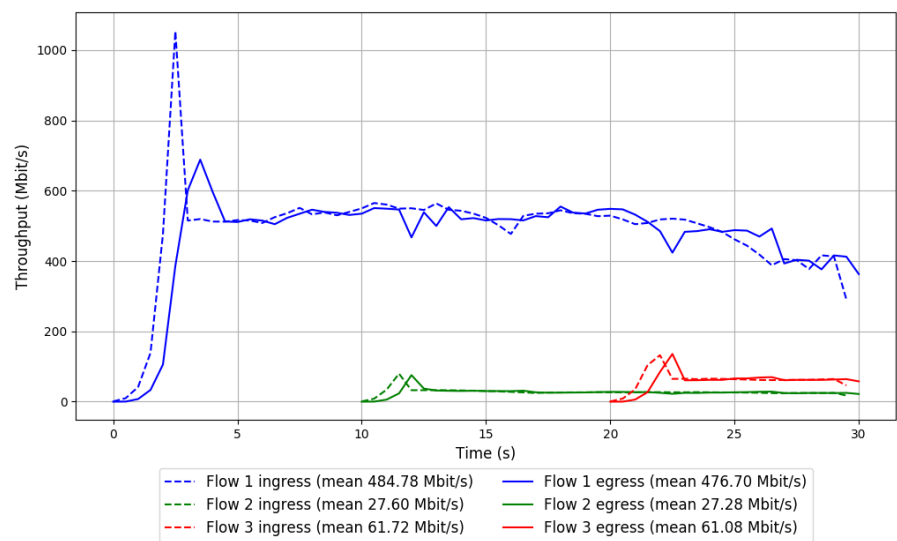
-- Flow 3:

Average throughput: 61.08 Mbit/s

95th percentile per-packet one-way delay: 215.143 ms

Loss rate: 1.05%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-03 18:22:36

End at: 2018-07-03 18:23:06

Local clock offset: 0.047 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-03 21:07:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 525.89 Mbit/s

95th percentile per-packet one-way delay: 148.592 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 496.39 Mbit/s

95th percentile per-packet one-way delay: 150.017 ms

Loss rate: 0.83%

-- Flow 2:

Average throughput: 35.56 Mbit/s

95th percentile per-packet one-way delay: 135.439 ms

Loss rate: 0.03%

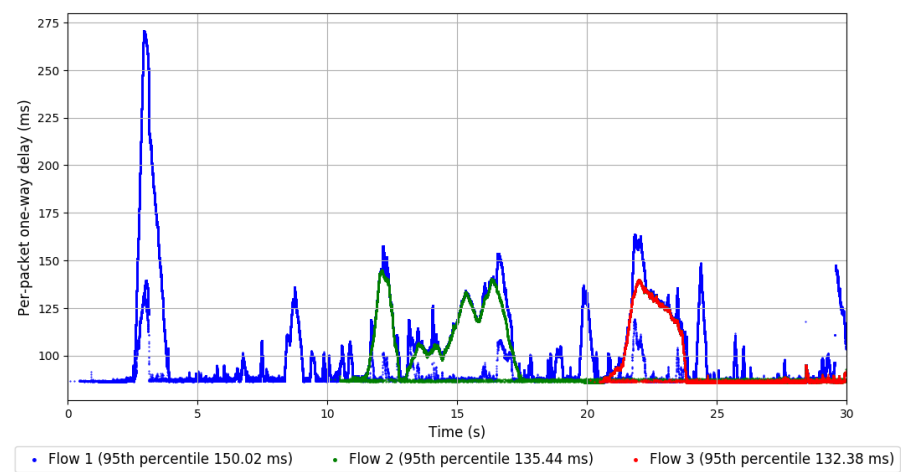
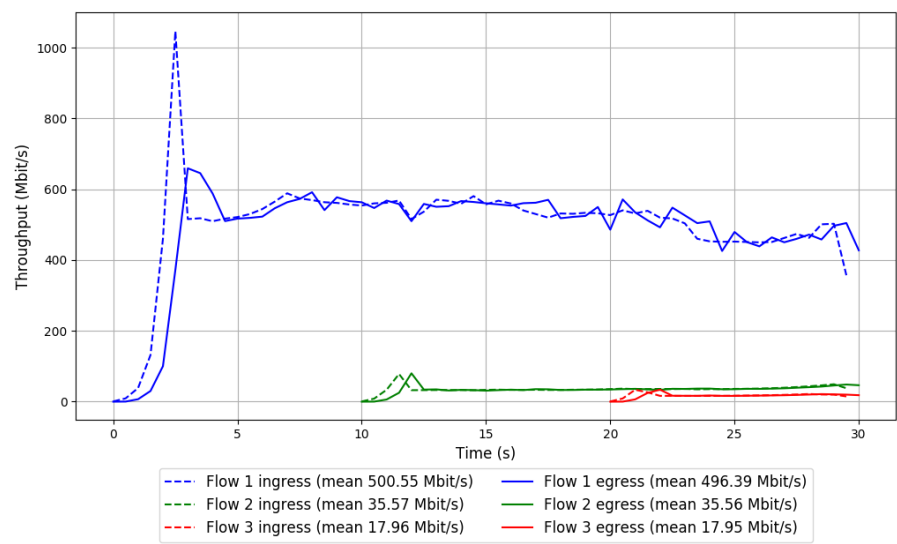
-- Flow 3:

Average throughput: 17.95 Mbit/s

95th percentile per-packet one-way delay: 132.380 ms

Loss rate: 0.03%

Run 9: Report of PCC-Allegro — Data Link

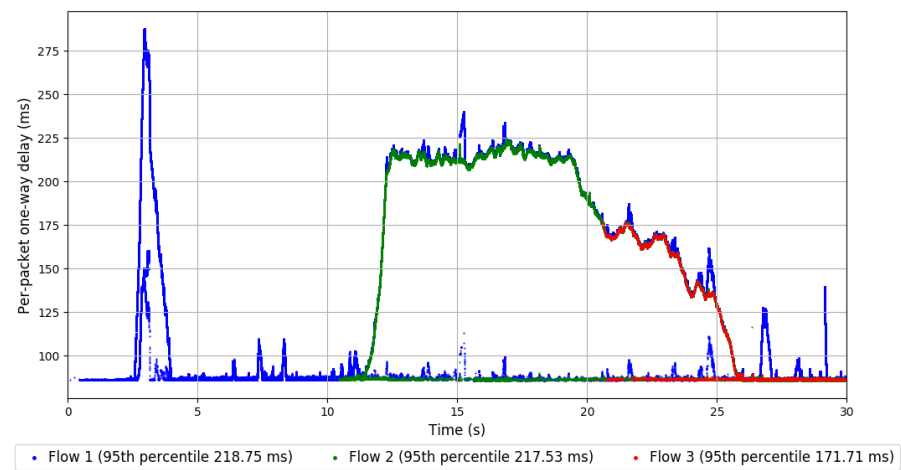
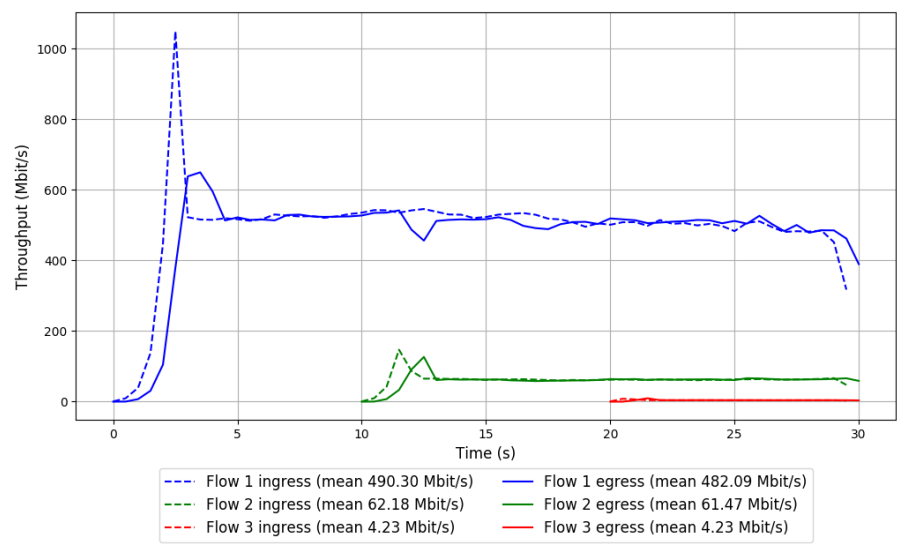


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-03 18:48:11
End at: 2018-07-03 18:48:41
Local clock offset: 0.045 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-03 21:07:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 524.34 Mbit/s
95th percentile per-packet one-way delay: 218.614 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 482.09 Mbit/s
95th percentile per-packet one-way delay: 218.745 ms
Loss rate: 1.68%
-- Flow 2:
Average throughput: 61.47 Mbit/s
95th percentile per-packet one-way delay: 217.530 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 4.23 Mbit/s
95th percentile per-packet one-way delay: 171.713 ms
Loss rate: 0.00%

Run 10: Report of PCC-Allegro — Data Link

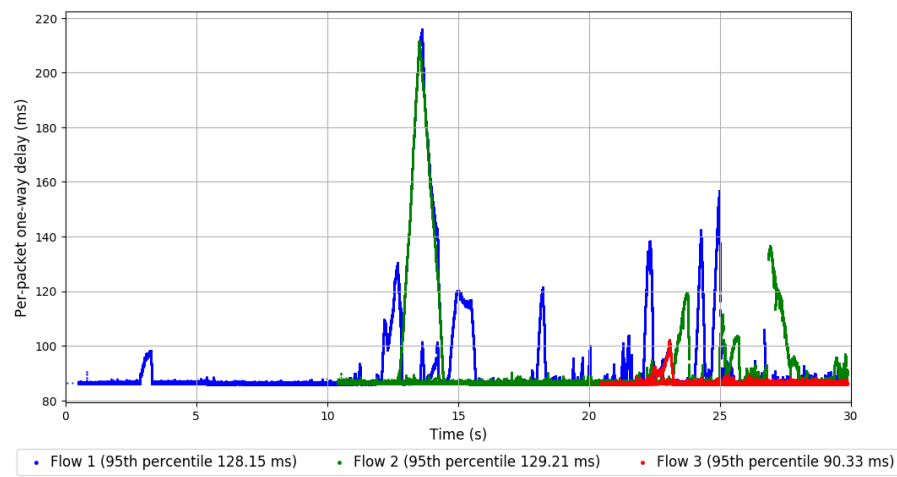
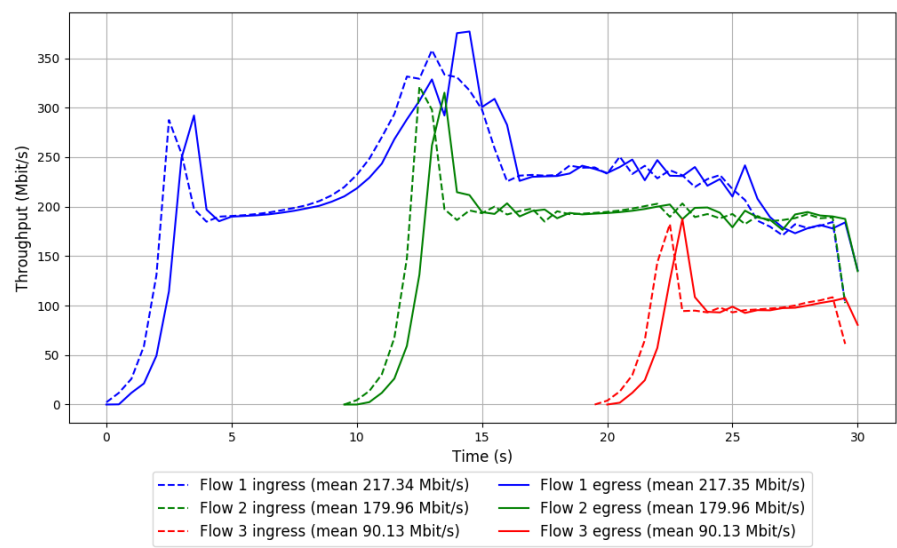


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-03 14:51:11
End at: 2018-07-03 14:51:41
Local clock offset: -0.116 ms
Remote clock offset: -0.13 ms

# Below is generated by plot.py at 2018-07-03 21:10:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 367.29 Mbit/s
95th percentile per-packet one-way delay: 125.855 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 217.35 Mbit/s
95th percentile per-packet one-way delay: 128.153 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 179.96 Mbit/s
95th percentile per-packet one-way delay: 129.213 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 90.13 Mbit/s
95th percentile per-packet one-way delay: 90.335 ms
Loss rate: 0.00%
```


Run 1: Report of PCC-Expr — Data Link

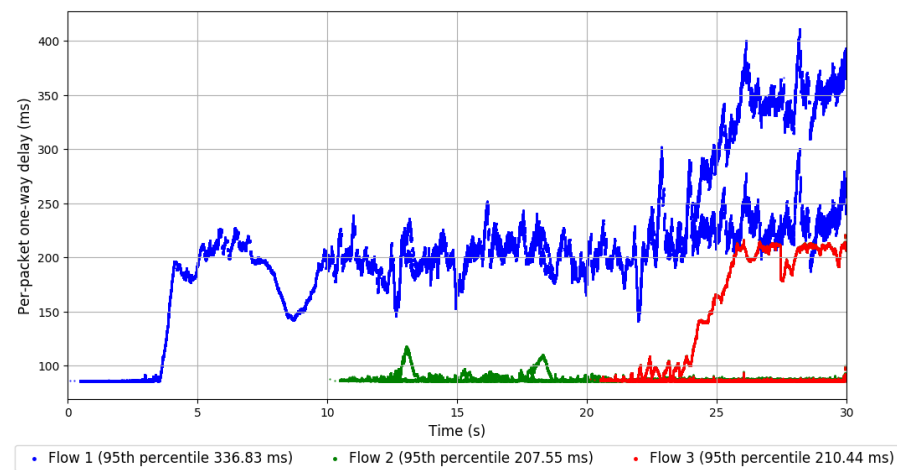
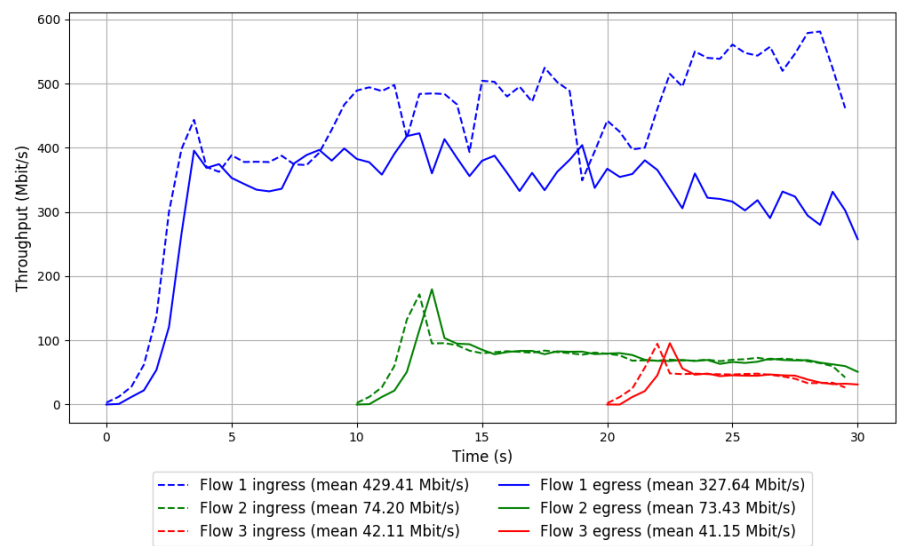


Run 2: Statistics of PCC-Expr

Start at: 2018-07-03 15:16:54
End at: 2018-07-03 15:17:24
Local clock offset: 0.205 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-07-03 21:13:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 390.03 Mbit/s
95th percentile per-packet one-way delay: 327.718 ms
Loss rate: 20.82%
-- Flow 1:
Average throughput: 327.64 Mbit/s
95th percentile per-packet one-way delay: 336.832 ms
Loss rate: 23.70%
-- Flow 2:
Average throughput: 73.43 Mbit/s
95th percentile per-packet one-way delay: 207.553 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 41.15 Mbit/s
95th percentile per-packet one-way delay: 210.436 ms
Loss rate: 2.29%

Run 2: Report of PCC-Expr — Data Link

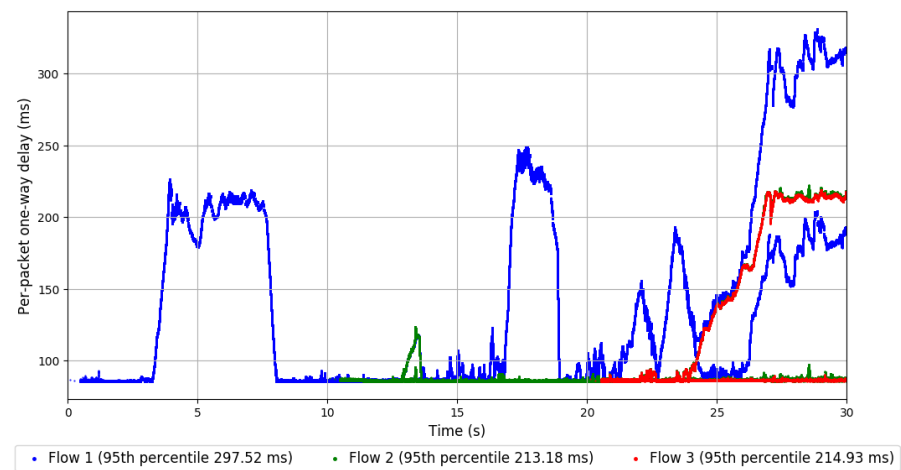
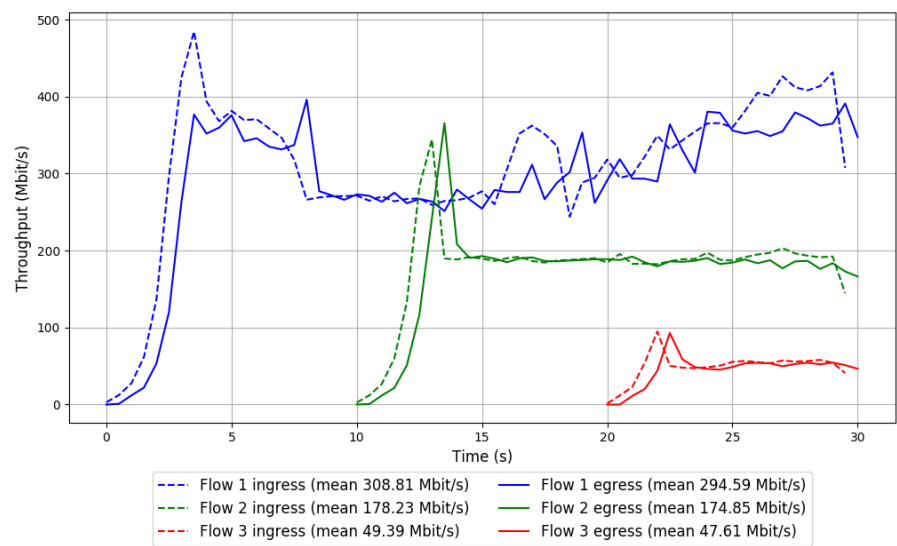


Run 3: Statistics of PCC-Expr

Start at: 2018-07-03 15:42:35
End at: 2018-07-03 15:43:05
Local clock offset: 0.025 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-03 21:15:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 426.56 Mbit/s
95th percentile per-packet one-way delay: 241.961 ms
Loss rate: 3.85%
-- Flow 1:
Average throughput: 294.59 Mbit/s
95th percentile per-packet one-way delay: 297.523 ms
Loss rate: 4.60%
-- Flow 2:
Average throughput: 174.85 Mbit/s
95th percentile per-packet one-way delay: 213.176 ms
Loss rate: 1.91%
-- Flow 3:
Average throughput: 47.61 Mbit/s
95th percentile per-packet one-way delay: 214.932 ms
Loss rate: 3.62%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-03 16:08:16

End at: 2018-07-03 16:08:46

Local clock offset: -0.136 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-03 21:15:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 382.91 Mbit/s

95th percentile per-packet one-way delay: 142.786 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 208.23 Mbit/s

95th percentile per-packet one-way delay: 117.562 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 216.79 Mbit/s

95th percentile per-packet one-way delay: 203.895 ms

Loss rate: 0.32%

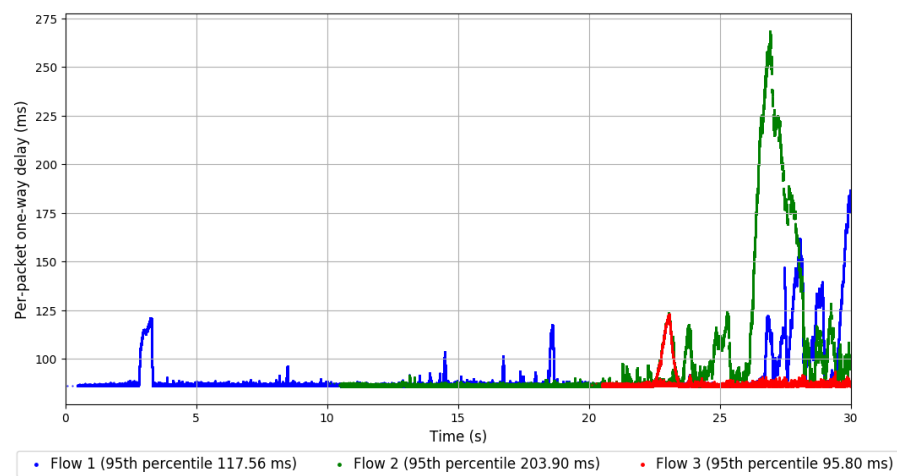
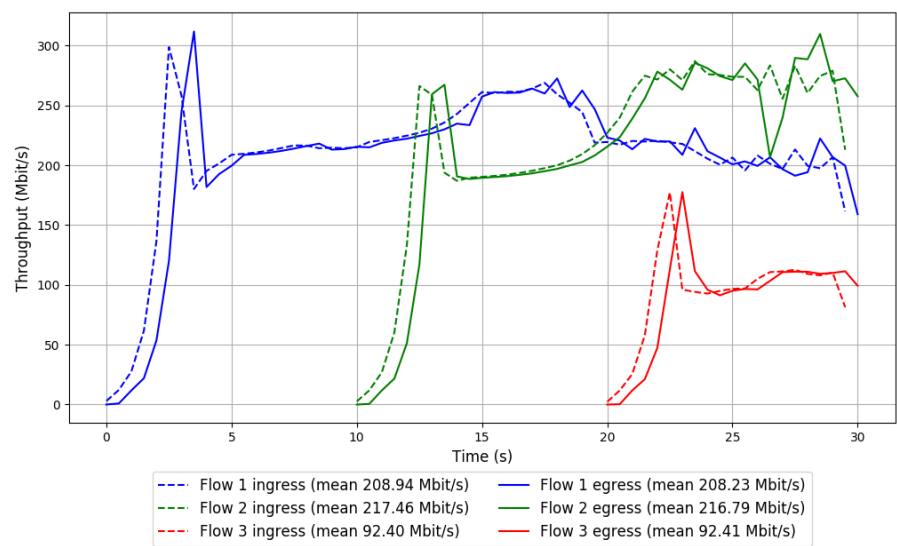
-- Flow 3:

Average throughput: 92.41 Mbit/s

95th percentile per-packet one-way delay: 95.796 ms

Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-03 16:33:56

End at: 2018-07-03 16:34:26

Local clock offset: -0.029 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-07-03 21:16:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 336.59 Mbit/s

95th percentile per-packet one-way delay: 134.537 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 190.03 Mbit/s

95th percentile per-packet one-way delay: 114.404 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 176.77 Mbit/s

95th percentile per-packet one-way delay: 162.016 ms

Loss rate: 0.06%

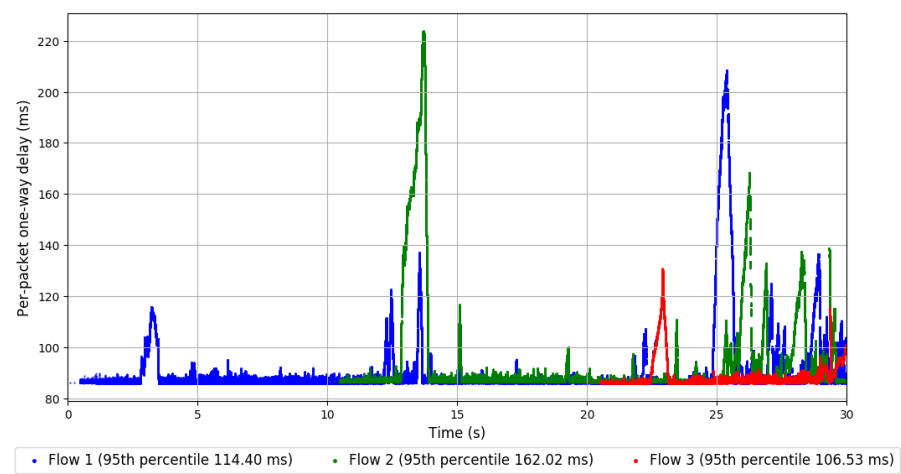
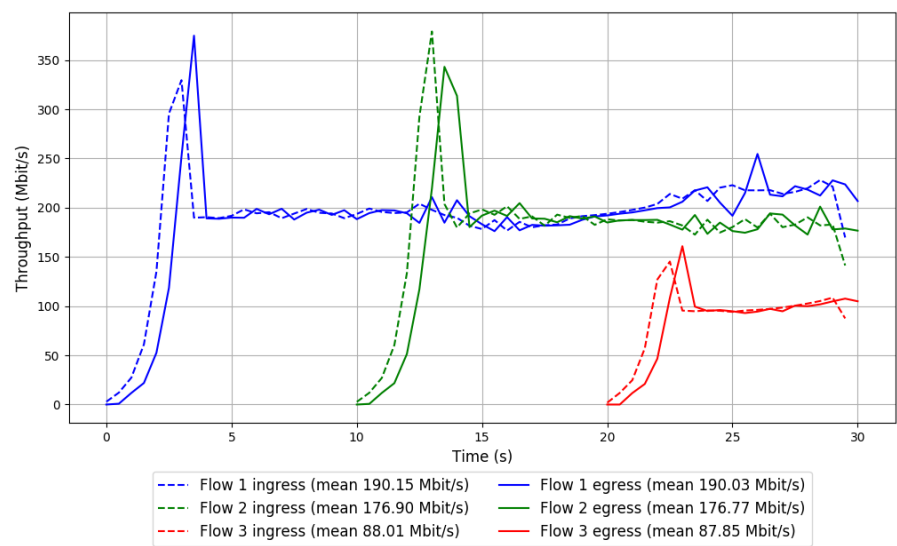
-- Flow 3:

Average throughput: 87.85 Mbit/s

95th percentile per-packet one-way delay: 106.529 ms

Loss rate: 0.14%

Run 5: Report of PCC-Expr — Data Link

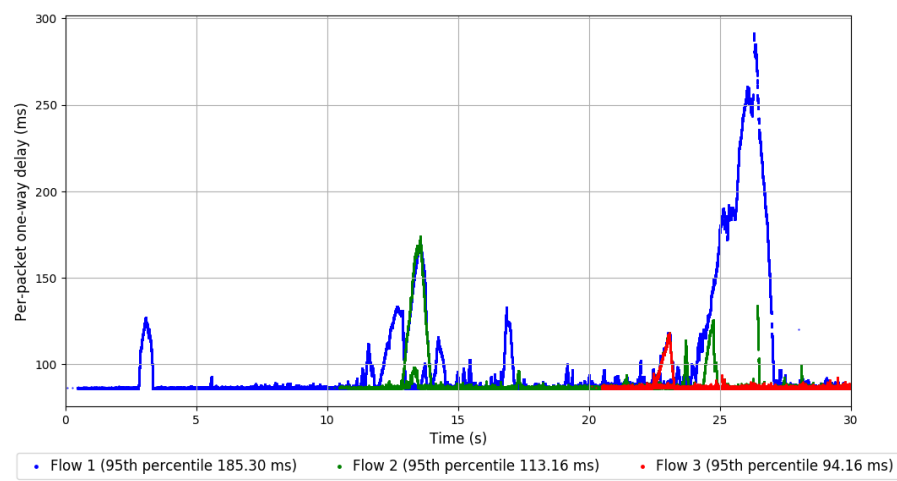
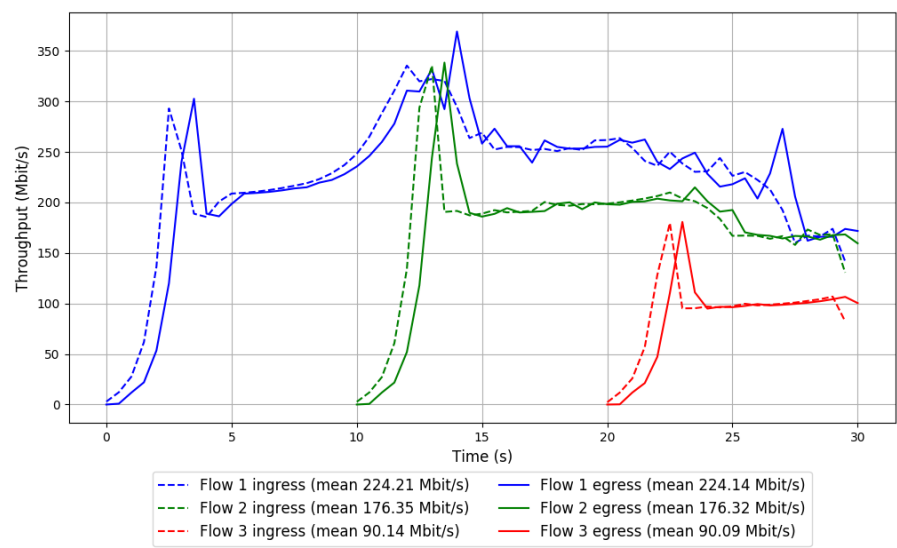


Run 6: Statistics of PCC-Expr

Start at: 2018-07-03 16:59:37
End at: 2018-07-03 17:00:07
Local clock offset: 0.014 ms
Remote clock offset: -0.205 ms

Below is generated by plot.py at 2018-07-03 21:18:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 371.18 Mbit/s
95th percentile per-packet one-way delay: 156.130 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 224.14 Mbit/s
95th percentile per-packet one-way delay: 185.297 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 176.32 Mbit/s
95th percentile per-packet one-way delay: 113.157 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 90.09 Mbit/s
95th percentile per-packet one-way delay: 94.156 ms
Loss rate: 0.05%

Run 6: Report of PCC-Expr — Data Link

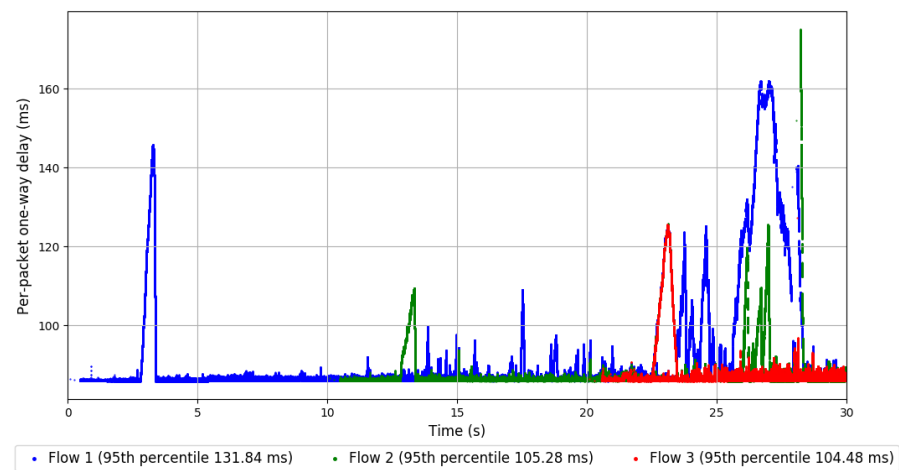
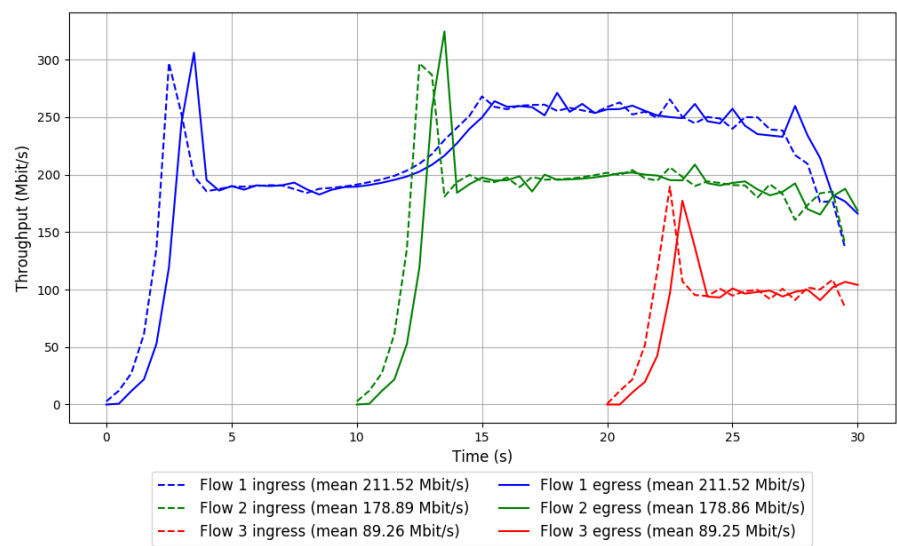


Run 7: Statistics of PCC-Expr

Start at: 2018-07-03 17:25:11
End at: 2018-07-03 17:25:41
Local clock offset: 0.078 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-03 21:19:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 359.95 Mbit/s
95th percentile per-packet one-way delay: 123.254 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 211.52 Mbit/s
95th percentile per-packet one-way delay: 131.842 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 178.86 Mbit/s
95th percentile per-packet one-way delay: 105.283 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 89.25 Mbit/s
95th percentile per-packet one-way delay: 104.483 ms
Loss rate: 0.01%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-03 17:50:51

End at: 2018-07-03 17:51:21

Local clock offset: -0.142 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-07-03 21:19:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 347.61 Mbit/s

95th percentile per-packet one-way delay: 123.144 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 226.37 Mbit/s

95th percentile per-packet one-way delay: 126.961 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 157.89 Mbit/s

95th percentile per-packet one-way delay: 120.946 ms

Loss rate: 0.01%

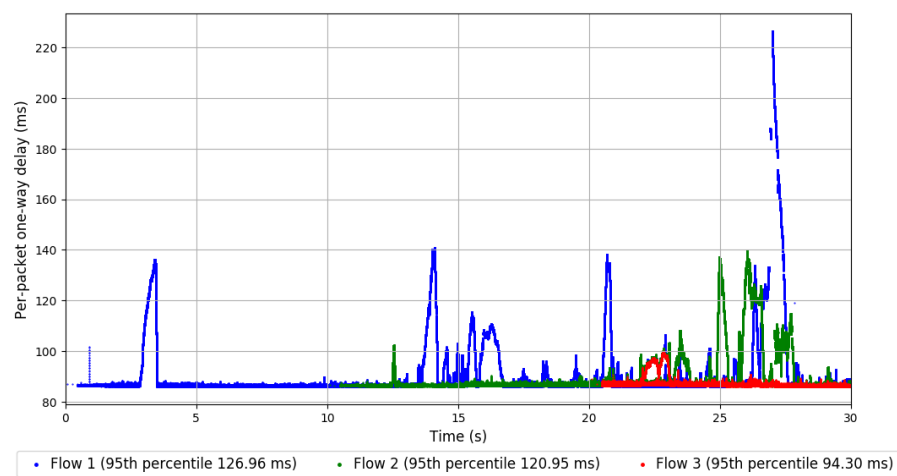
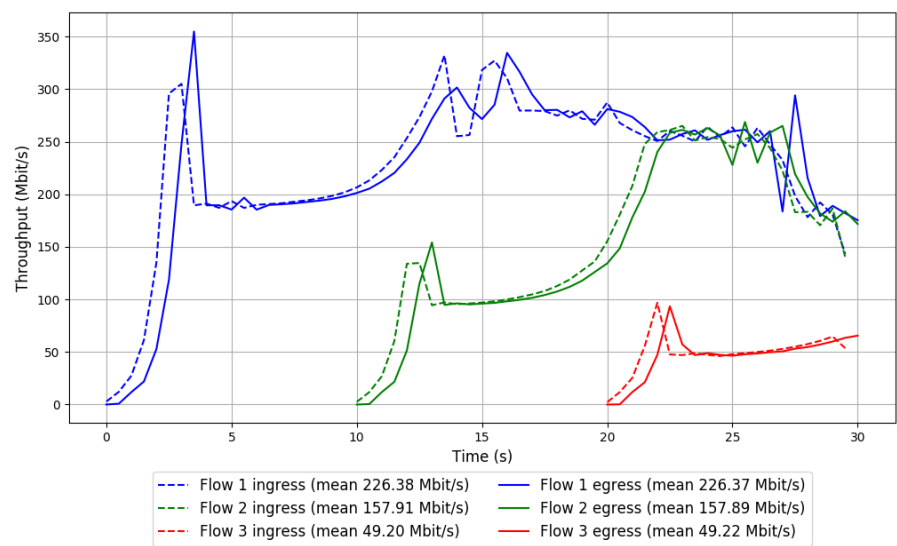
-- Flow 3:

Average throughput: 49.22 Mbit/s

95th percentile per-packet one-way delay: 94.304 ms

Loss rate: 0.01%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-03 18:16:33

End at: 2018-07-03 18:17:03

Local clock offset: -0.008 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-07-03 21:23:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 364.32 Mbit/s

95th percentile per-packet one-way delay: 241.184 ms

Loss rate: 2.87%

-- Flow 1:

Average throughput: 215.59 Mbit/s

95th percentile per-packet one-way delay: 308.044 ms

Loss rate: 4.76%

-- Flow 2:

Average throughput: 176.99 Mbit/s

95th percentile per-packet one-way delay: 133.397 ms

Loss rate: 0.01%

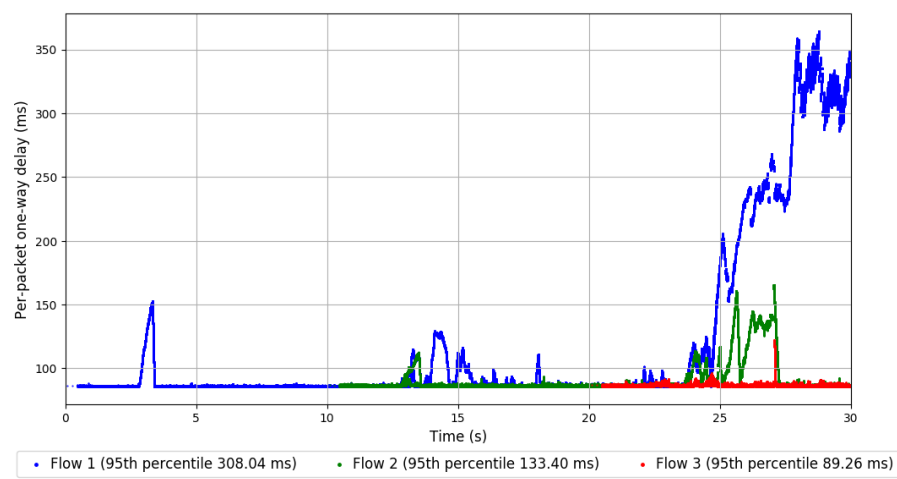
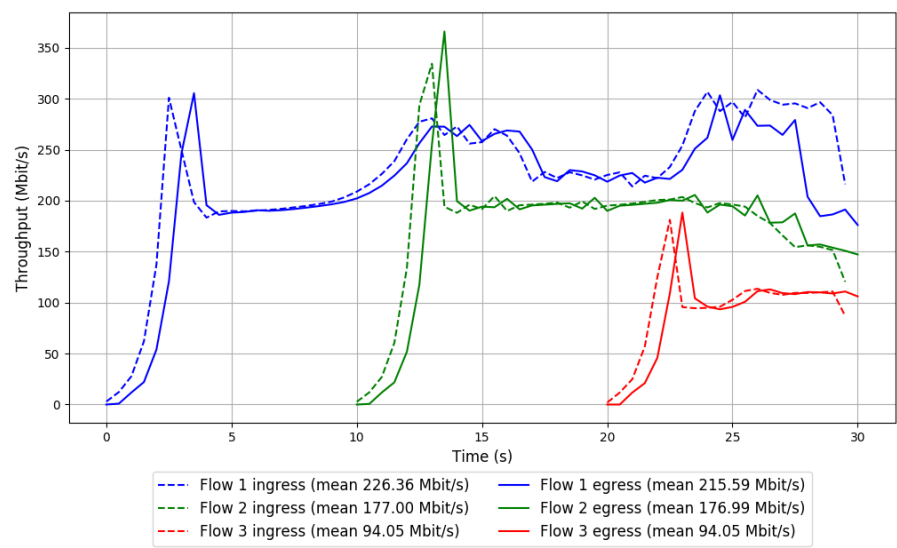
-- Flow 3:

Average throughput: 94.05 Mbit/s

95th percentile per-packet one-way delay: 89.262 ms

Loss rate: 0.00%

Run 9: Report of PCC-Expr — Data Link

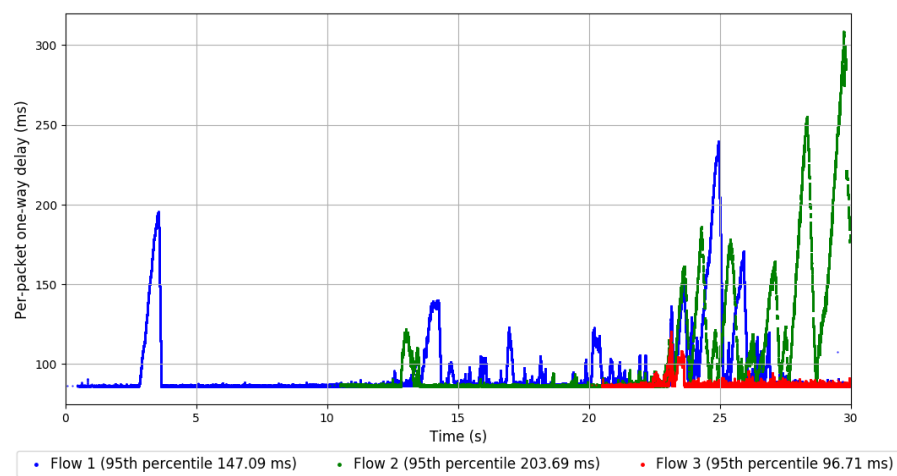
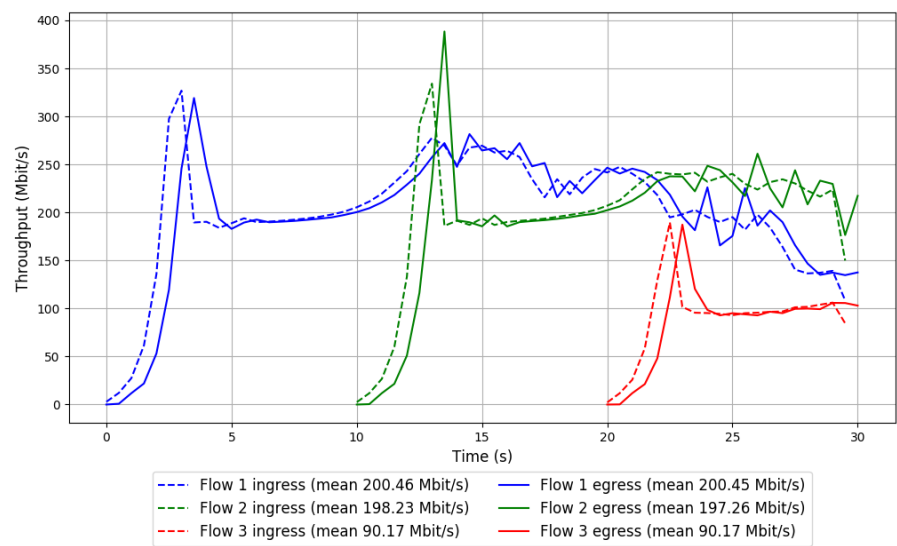


Run 10: Statistics of PCC-Expr

Start at: 2018-07-03 18:42:07
End at: 2018-07-03 18:42:37
Local clock offset: 0.113 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-03 21:25:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 361.40 Mbit/s
95th percentile per-packet one-way delay: 167.133 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 200.45 Mbit/s
95th percentile per-packet one-way delay: 147.093 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 197.26 Mbit/s
95th percentile per-packet one-way delay: 203.686 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 90.17 Mbit/s
95th percentile per-packet one-way delay: 96.712 ms
Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link

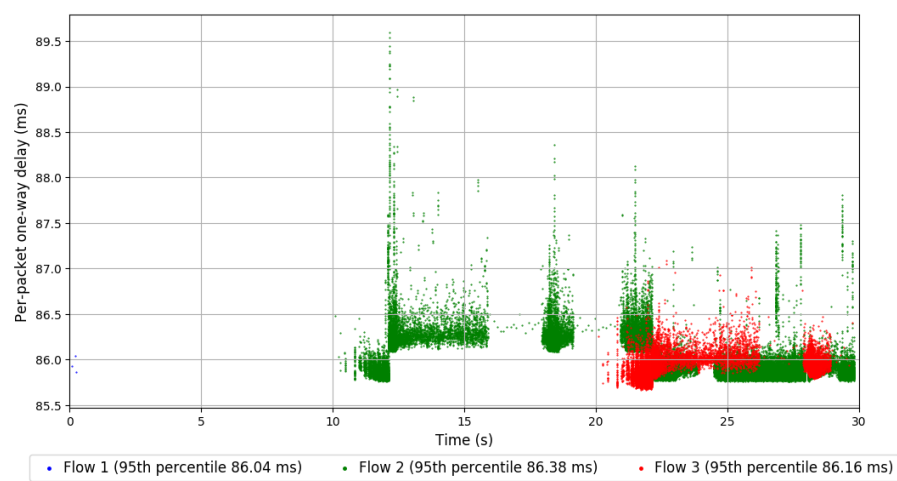
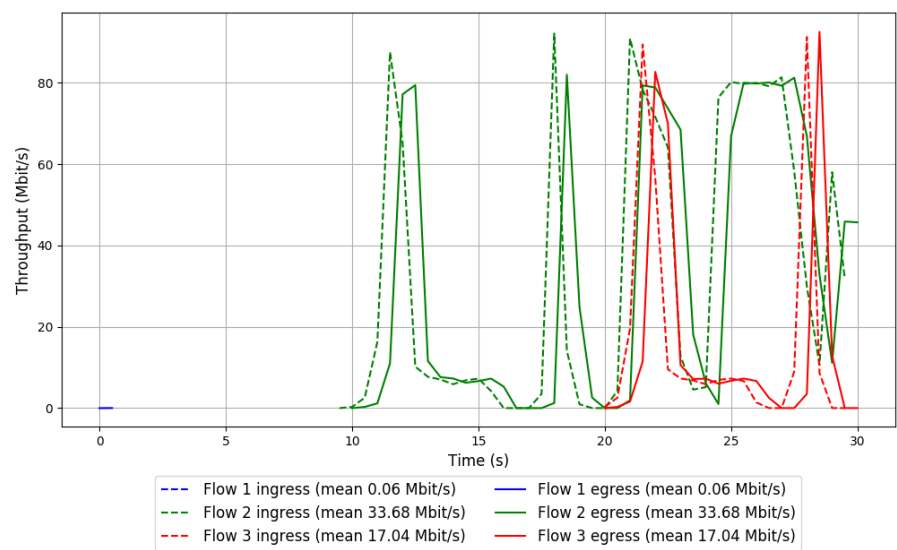


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-03 15:01:44
End at: 2018-07-03 15:02:14
Local clock offset: 0.163 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-07-03 21:25:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 27.89 Mbit/s
95th percentile per-packet one-way delay: 86.350 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 86.037 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.68 Mbit/s
95th percentile per-packet one-way delay: 86.382 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 17.04 Mbit/s
95th percentile per-packet one-way delay: 86.159 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

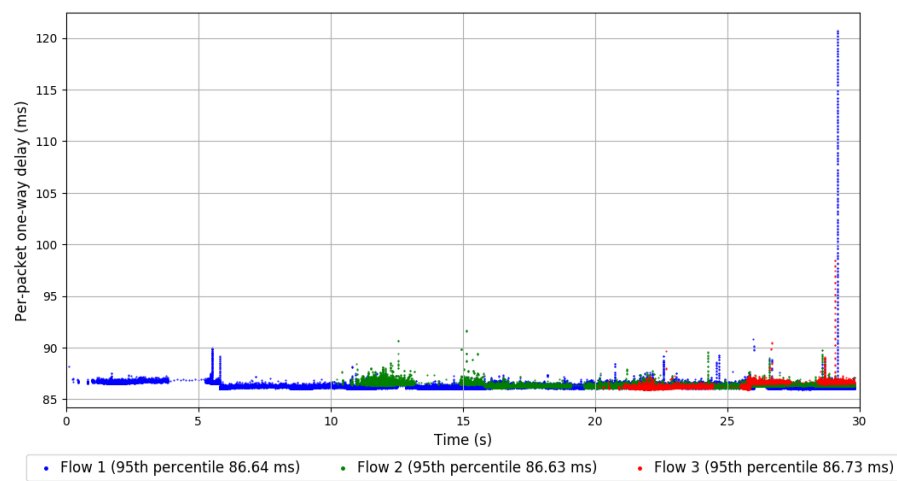
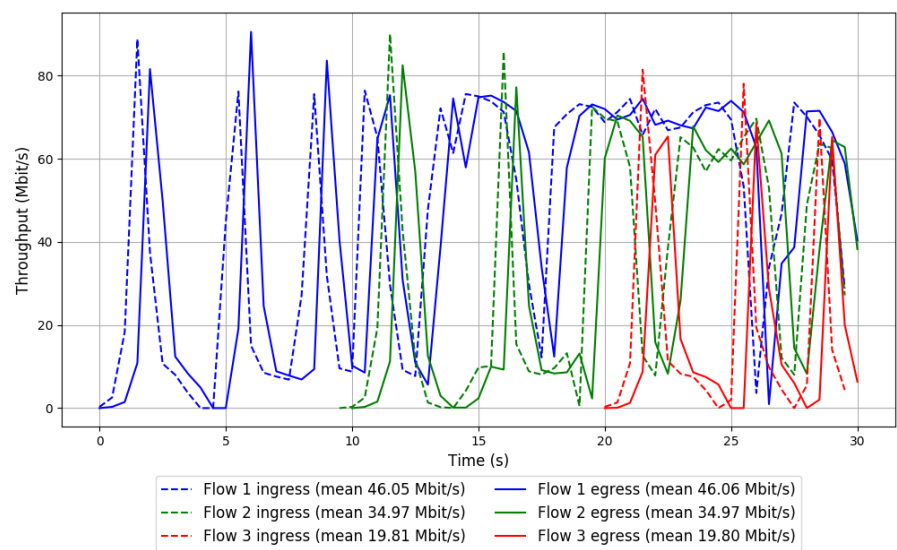


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-03 15:27:30
End at: 2018-07-03 15:28:00
Local clock offset: -0.079 ms
Remote clock offset: -0.165 ms

Below is generated by plot.py at 2018-07-03 21:25:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.70 Mbit/s
95th percentile per-packet one-way delay: 86.656 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.06 Mbit/s
95th percentile per-packet one-way delay: 86.639 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.97 Mbit/s
95th percentile per-packet one-way delay: 86.629 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 19.80 Mbit/s
95th percentile per-packet one-way delay: 86.734 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

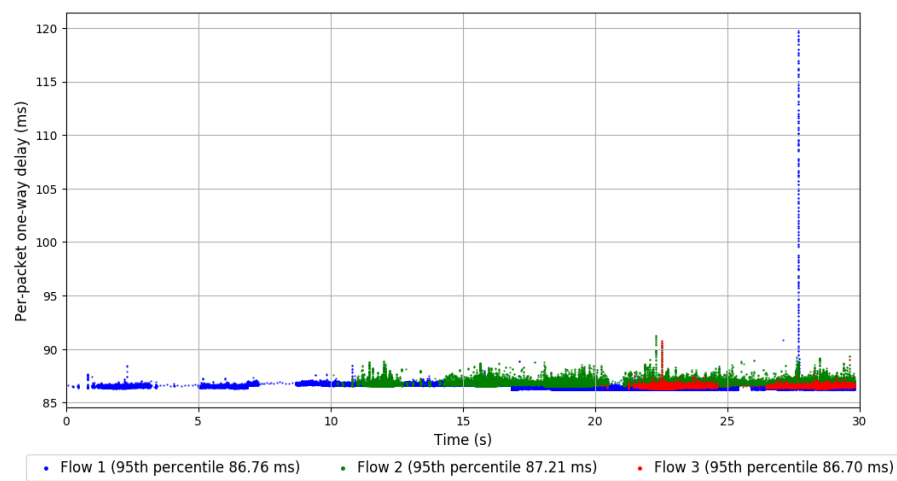
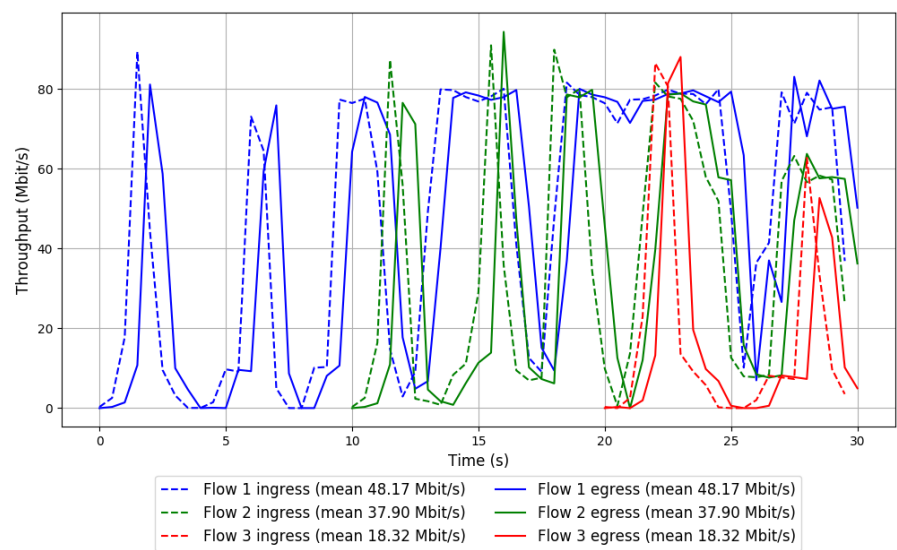


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-03 15:53:09
End at: 2018-07-03 15:53:39
Local clock offset: -0.318 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-03 21:25:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.30 Mbit/s
95th percentile per-packet one-way delay: 86.960 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.17 Mbit/s
95th percentile per-packet one-way delay: 86.759 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.90 Mbit/s
95th percentile per-packet one-way delay: 87.212 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 18.32 Mbit/s
95th percentile per-packet one-way delay: 86.704 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-03 16:18:45

End at: 2018-07-03 16:19:15

Local clock offset: -0.031 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-03 21:25:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.59 Mbit/s

95th percentile per-packet one-way delay: 86.226 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 56.72 Mbit/s

95th percentile per-packet one-way delay: 86.132 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 34.83 Mbit/s

95th percentile per-packet one-way delay: 86.258 ms

Loss rate: 0.00%

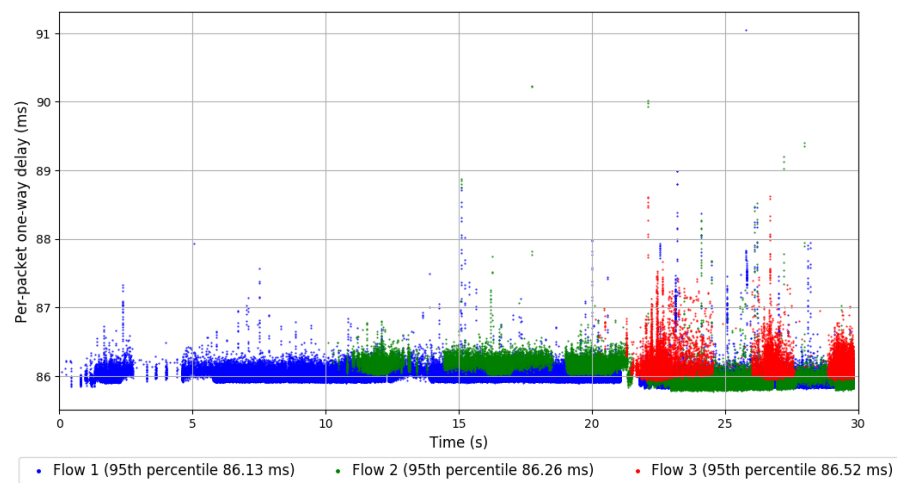
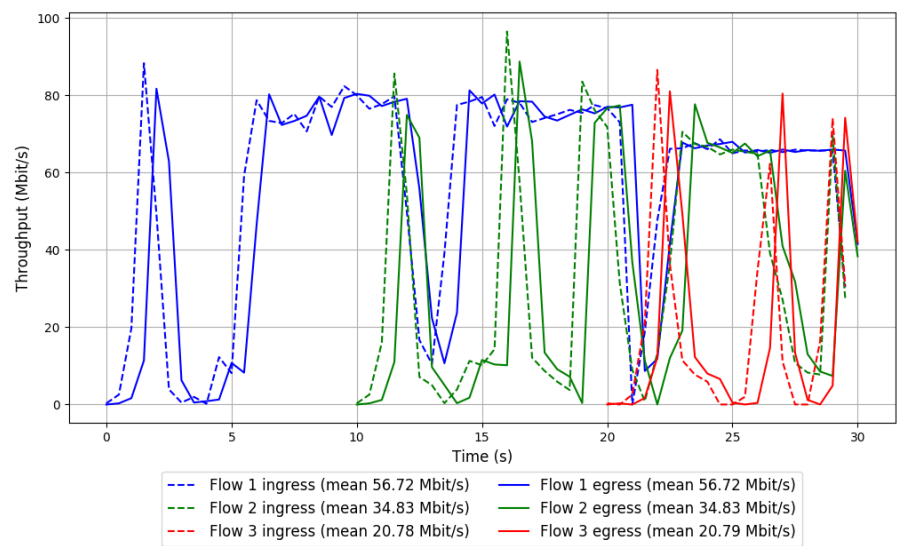
-- Flow 3:

Average throughput: 20.79 Mbit/s

95th percentile per-packet one-way delay: 86.516 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

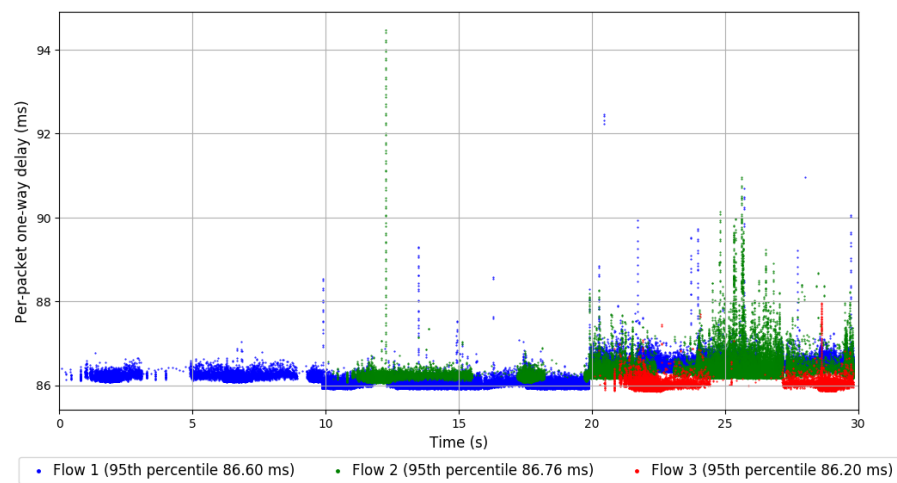
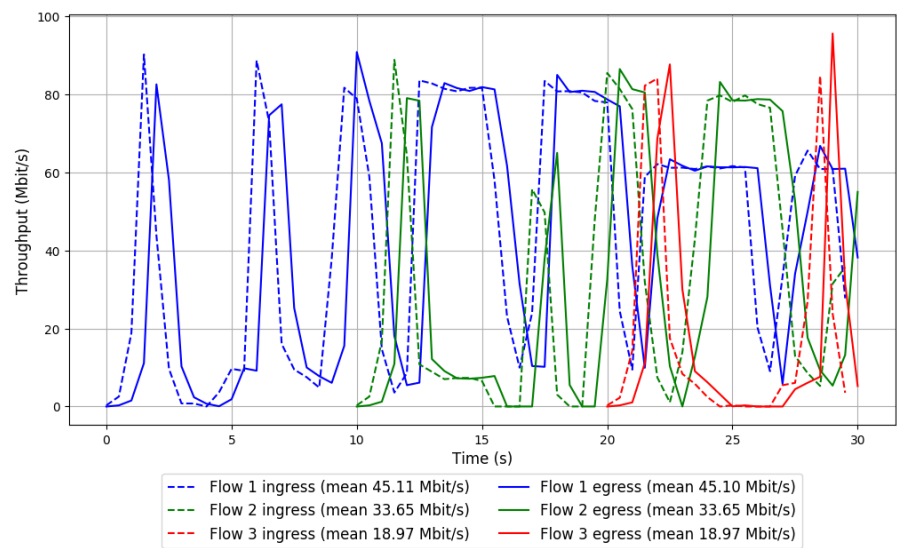


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-03 16:44:26
End at: 2018-07-03 16:44:56
Local clock offset: -0.014 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-03 21:25:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.60 Mbit/s
95th percentile per-packet one-way delay: 86.615 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 45.10 Mbit/s
95th percentile per-packet one-way delay: 86.599 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 33.65 Mbit/s
95th percentile per-packet one-way delay: 86.757 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 18.97 Mbit/s
95th percentile per-packet one-way delay: 86.205 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

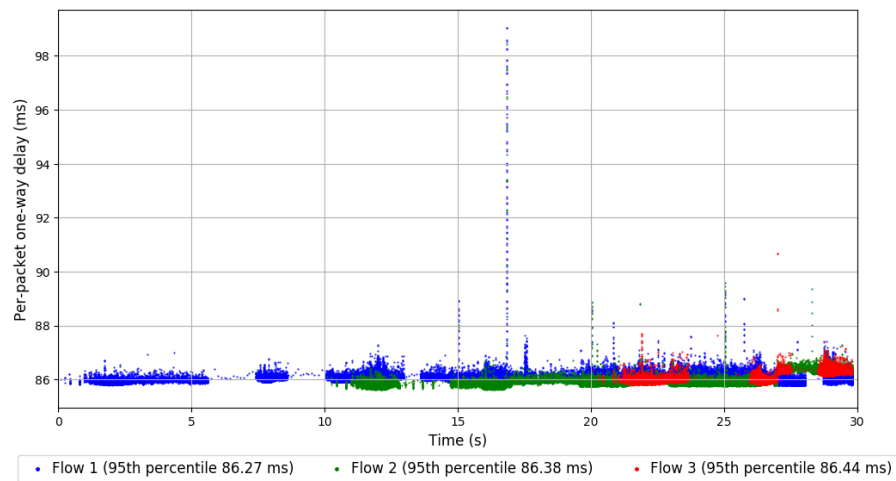
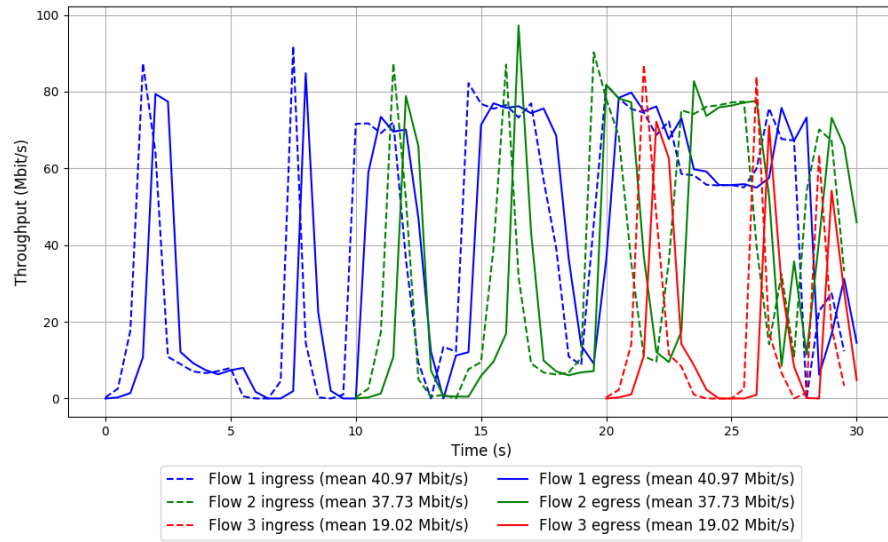


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-03 17:10:09
End at: 2018-07-03 17:10:39
Local clock offset: 0.172 ms
Remote clock offset: -0.186 ms

Below is generated by plot.py at 2018-07-03 21:25:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.21 Mbit/s
95th percentile per-packet one-way delay: 86.346 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.97 Mbit/s
95th percentile per-packet one-way delay: 86.271 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.73 Mbit/s
95th percentile per-packet one-way delay: 86.375 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 19.02 Mbit/s
95th percentile per-packet one-way delay: 86.443 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

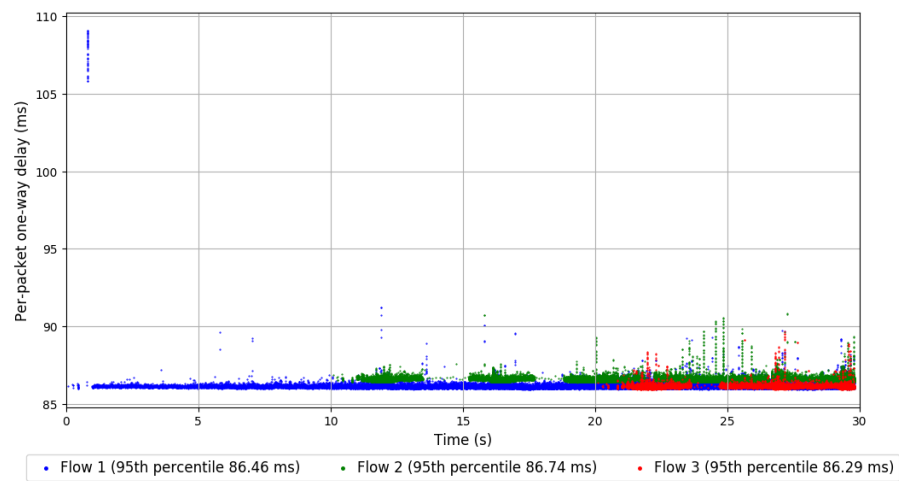
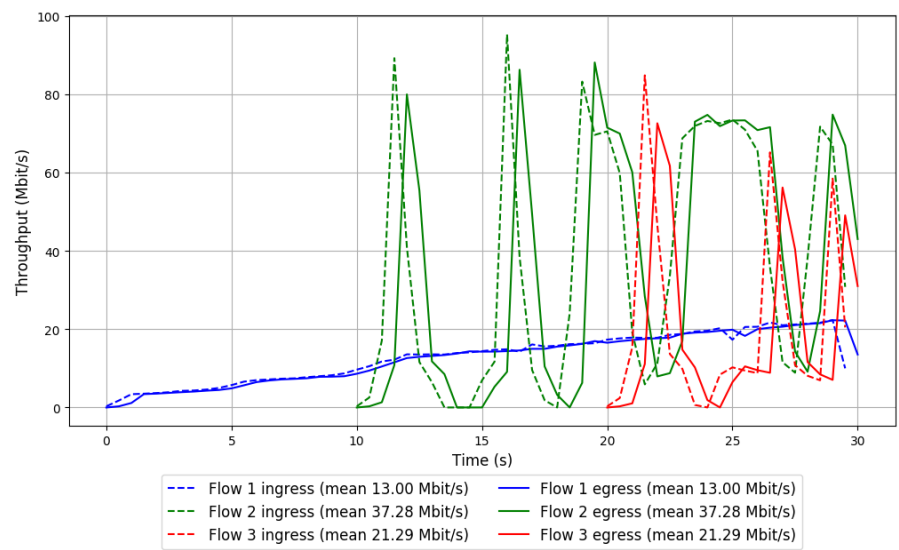


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-03 17:35:39
End at: 2018-07-03 17:36:09
Local clock offset: -0.047 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-07-03 21:25:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.66 Mbit/s
95th percentile per-packet one-way delay: 86.696 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.00 Mbit/s
95th percentile per-packet one-way delay: 86.459 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.28 Mbit/s
95th percentile per-packet one-way delay: 86.742 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.29 Mbit/s
95th percentile per-packet one-way delay: 86.289 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-03 18:01:26

End at: 2018-07-03 18:01:56

Local clock offset: 0.113 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-07-03 21:25:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.36 Mbit/s

95th percentile per-packet one-way delay: 86.451 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 51.58 Mbit/s

95th percentile per-packet one-way delay: 86.465 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 32.80 Mbit/s

95th percentile per-packet one-way delay: 86.236 ms

Loss rate: 0.00%

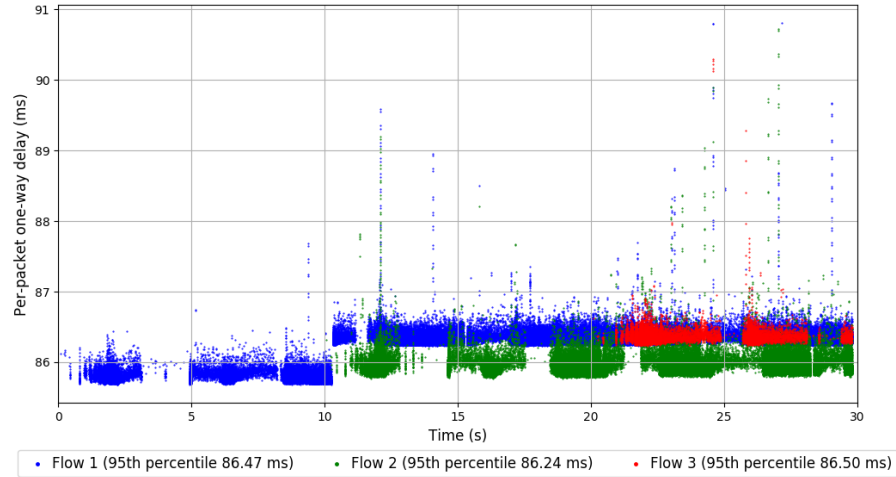
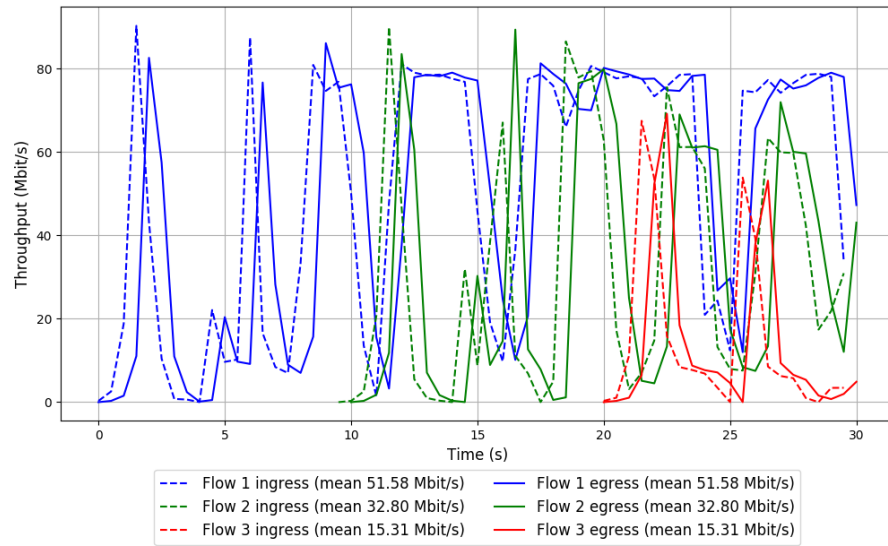
-- Flow 3:

Average throughput: 15.31 Mbit/s

95th percentile per-packet one-way delay: 86.500 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

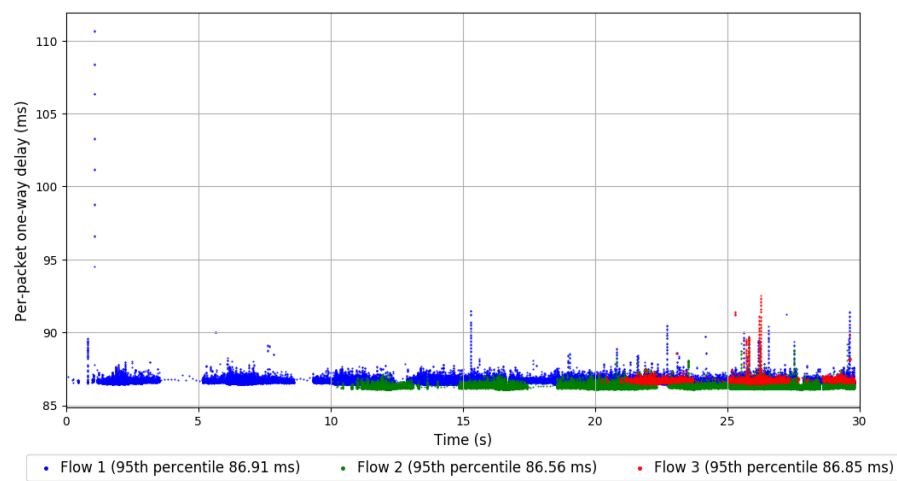
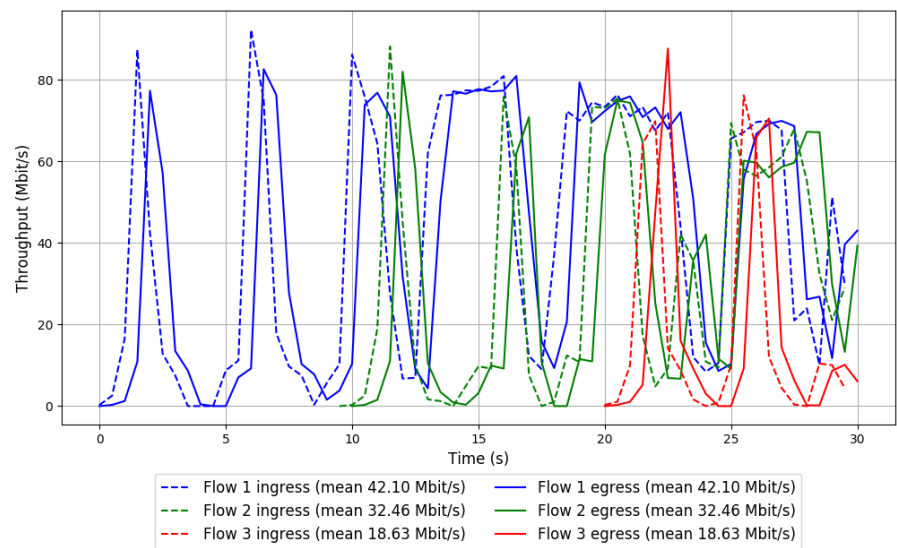


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-03 18:27:05
End at: 2018-07-03 18:27:35
Local clock offset: -0.159 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-03 21:25:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.73 Mbit/s
95th percentile per-packet one-way delay: 86.849 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.10 Mbit/s
95th percentile per-packet one-way delay: 86.908 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.46 Mbit/s
95th percentile per-packet one-way delay: 86.562 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 18.63 Mbit/s
95th percentile per-packet one-way delay: 86.851 ms
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

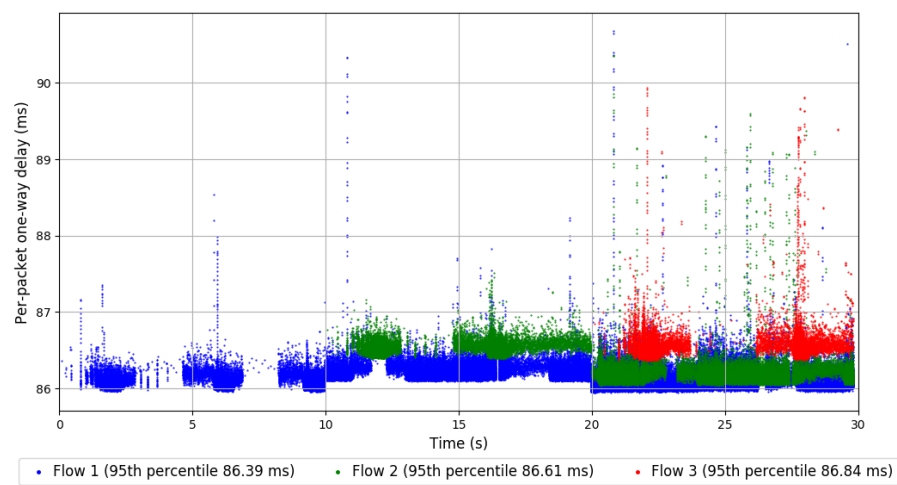
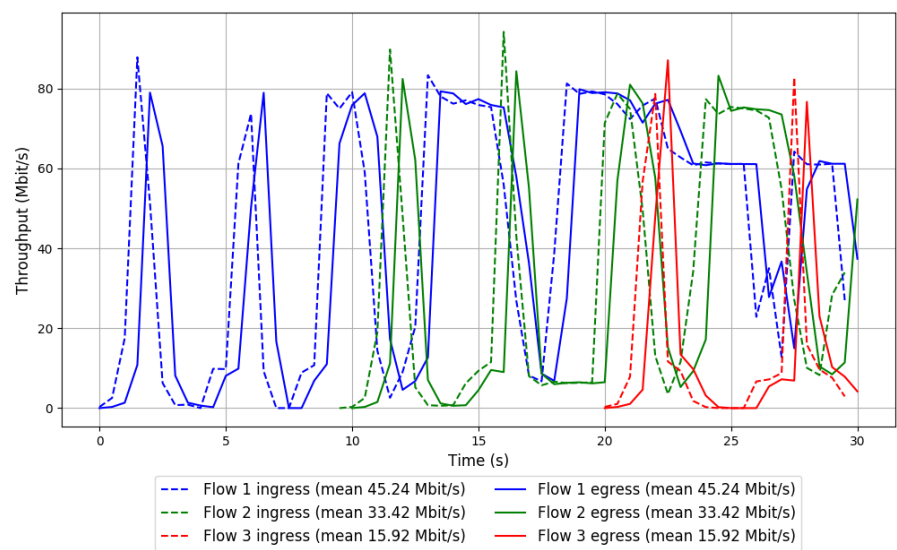


Run 10: Statistics of QUIC Cubic

Start at: 2018-07-03 18:52:36
End at: 2018-07-03 18:53:06
Local clock offset: 0.01 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-03 21:25:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.63 Mbit/s
95th percentile per-packet one-way delay: 86.582 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.24 Mbit/s
95th percentile per-packet one-way delay: 86.386 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.42 Mbit/s
95th percentile per-packet one-way delay: 86.615 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.92 Mbit/s
95th percentile per-packet one-way delay: 86.845 ms
Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

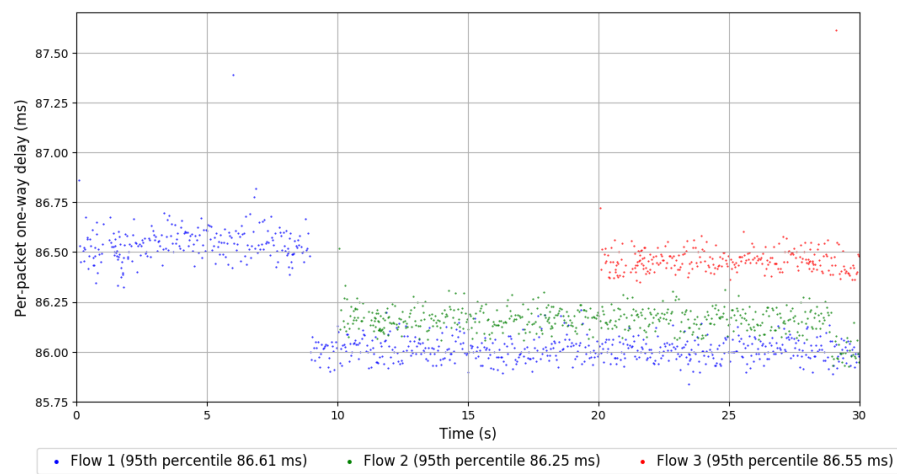
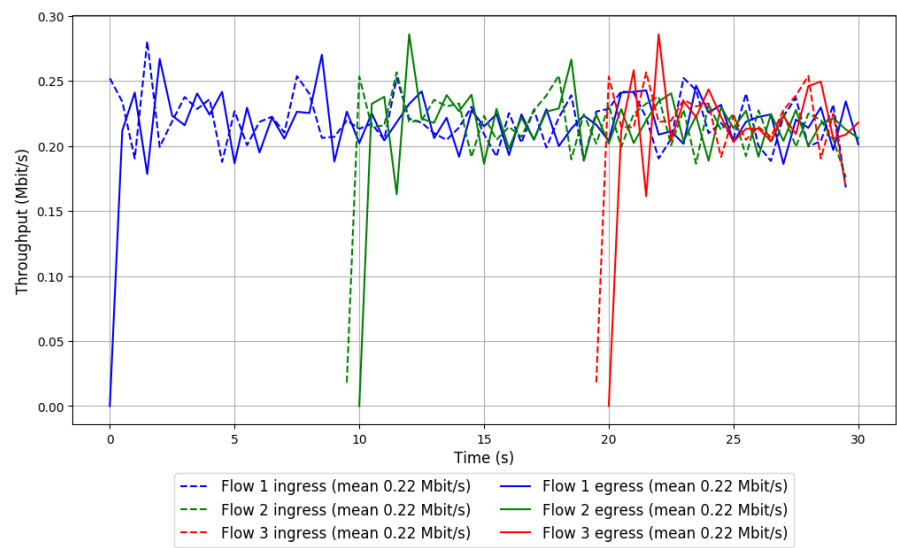


```
Run 1: Statistics of SReAM

Start at: 2018-07-03 15:06:57
End at: 2018-07-03 15:07:27
Local clock offset: 0.15 ms
Remote clock offset: -0.134 ms

# Below is generated by plot.py at 2018-07-03 21:25:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.579 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.607 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.254 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.549 ms
Loss rate: 0.00%
```


Run 1: Report of SReAM — Data Link

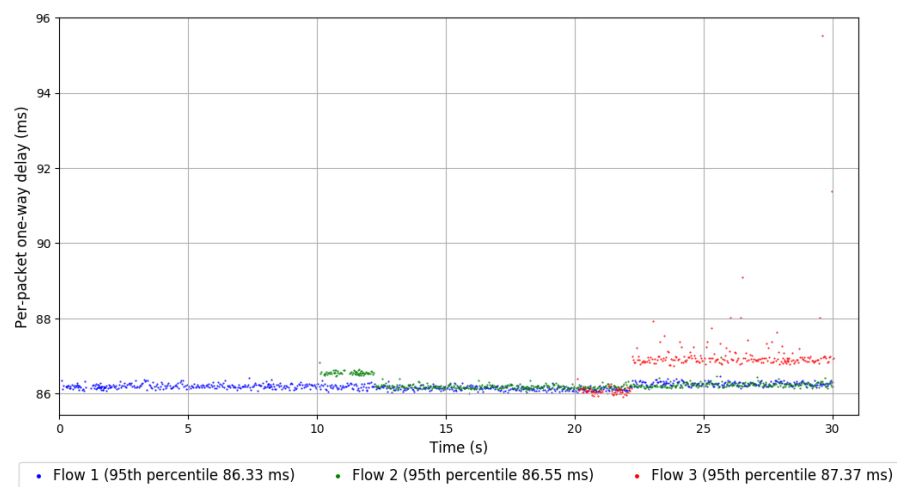
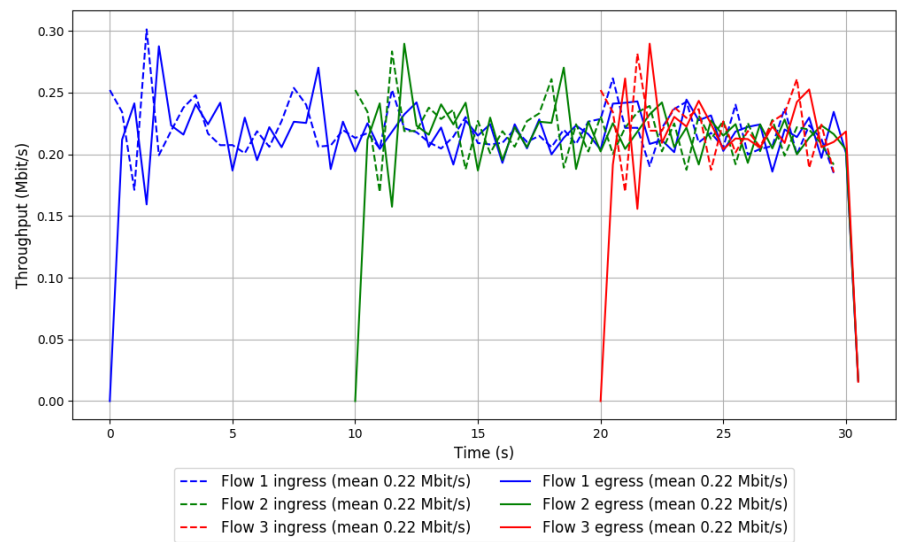


Run 2: Statistics of SReAM

Start at: 2018-07-03 15:32:44
End at: 2018-07-03 15:33:14
Local clock offset: 0.117 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-03 21:25:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.933 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.325 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.554 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.372 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

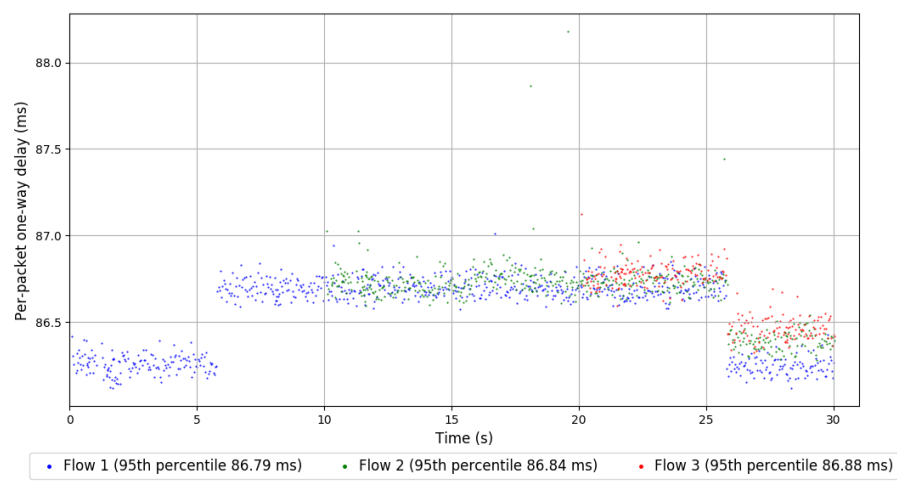
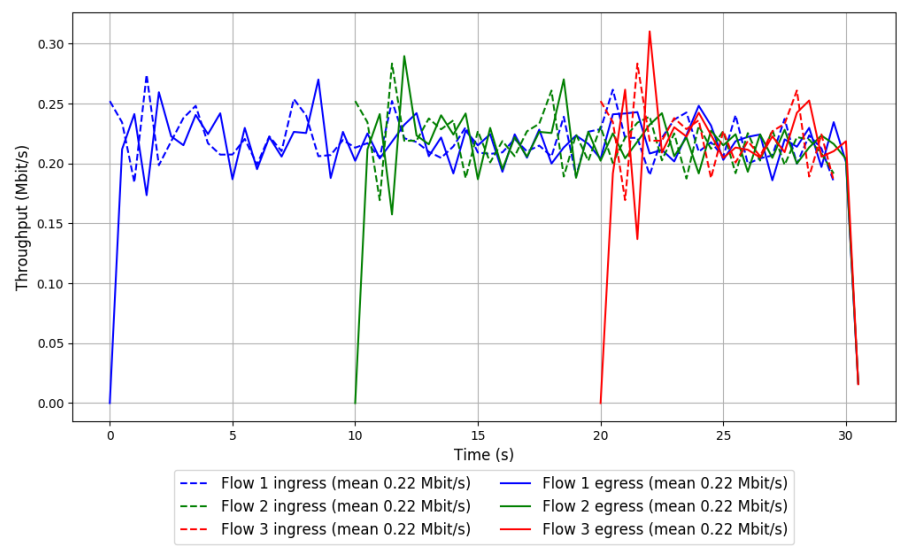


Run 3: Statistics of SReAM

Start at: 2018-07-03 15:58:30
End at: 2018-07-03 15:59:00
Local clock offset: -0.19 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-03 21:25:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.821 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.787 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.836 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.877 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-07-03 16:24:01

End at: 2018-07-03 16:24:31

Local clock offset: 0.076 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2018-07-03 21:25:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.589 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.334 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.903 ms

Loss rate: 0.00%

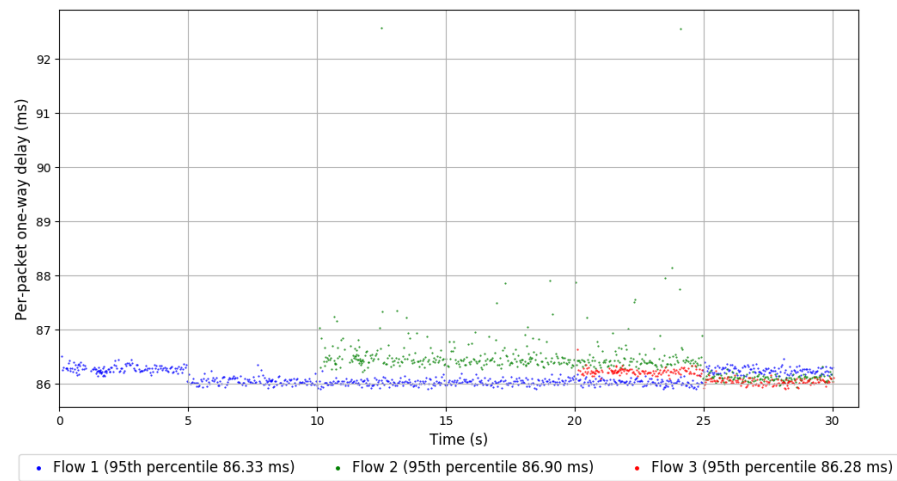
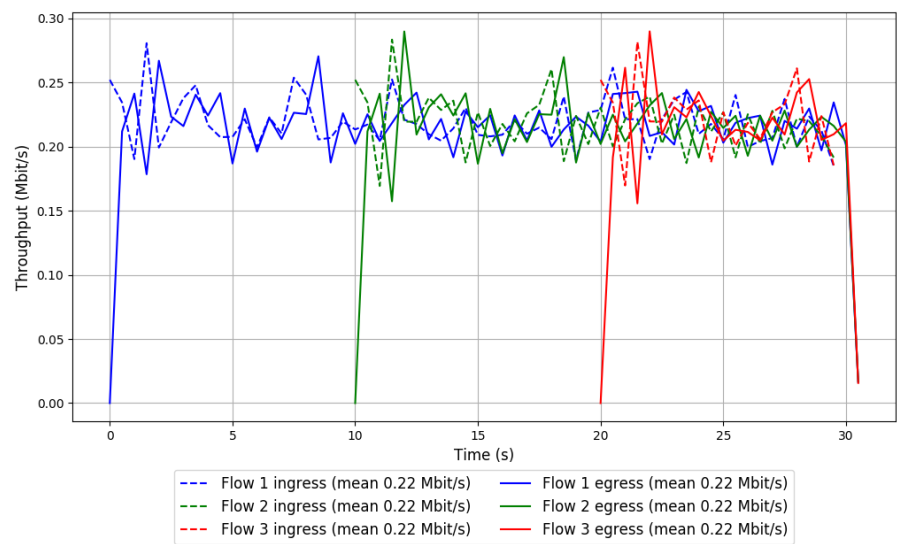
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.281 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

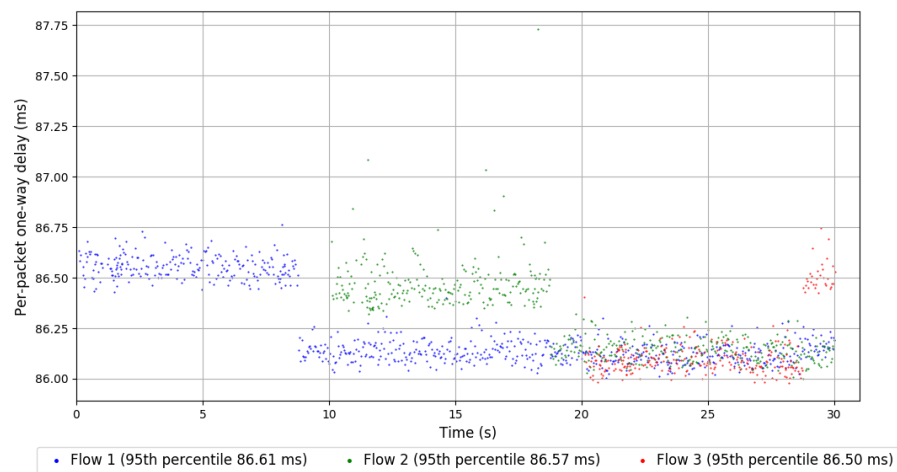
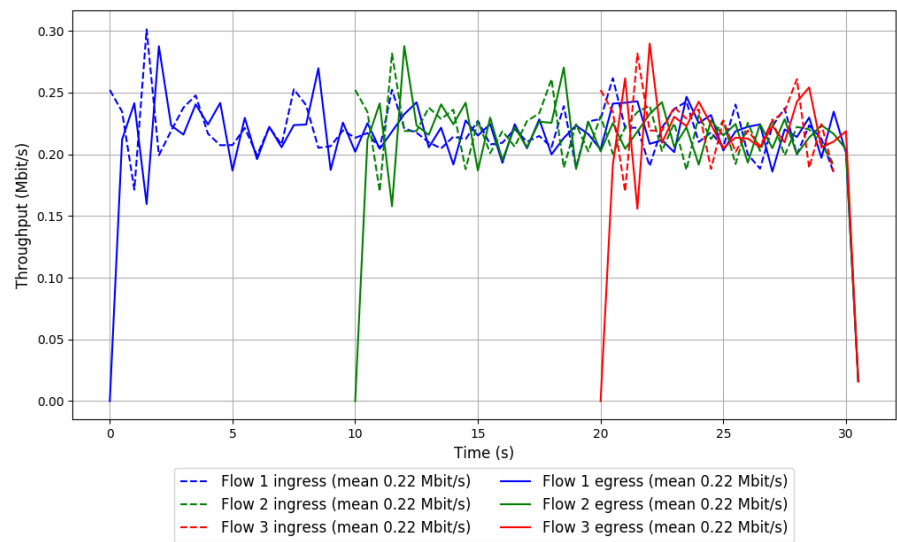


Run 5: Statistics of SReAM

Start at: 2018-07-03 16:49:47
End at: 2018-07-03 16:50:17
Local clock offset: -0.012 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-07-03 21:25:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.599 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.613 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.567 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.496 ms
Loss rate: 0.00%

Run 5: Report of SCRaM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-07-03 17:15:25

End at: 2018-07-03 17:15:55

Local clock offset: 0.047 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-07-03 21:25:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.591 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.613 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.337 ms

Loss rate: 0.00%

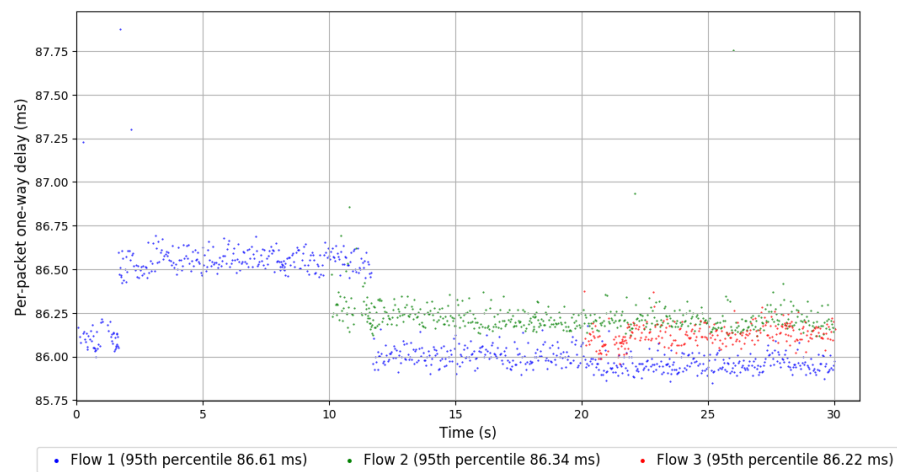
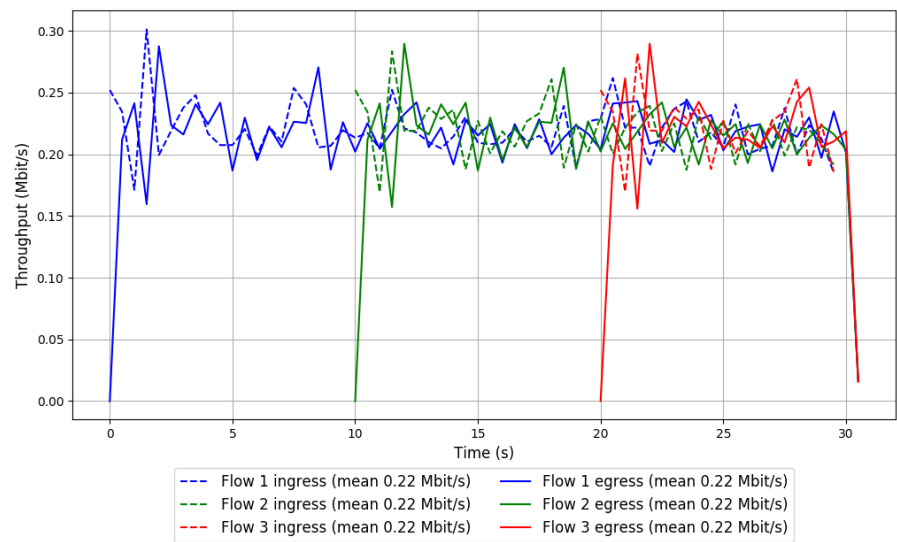
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.221 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: 2018-07-03 17:40:57

End at: 2018-07-03 17:41:27

Local clock offset: -0.119 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-03 21:25:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.662 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.511 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.389 ms

Loss rate: 0.00%

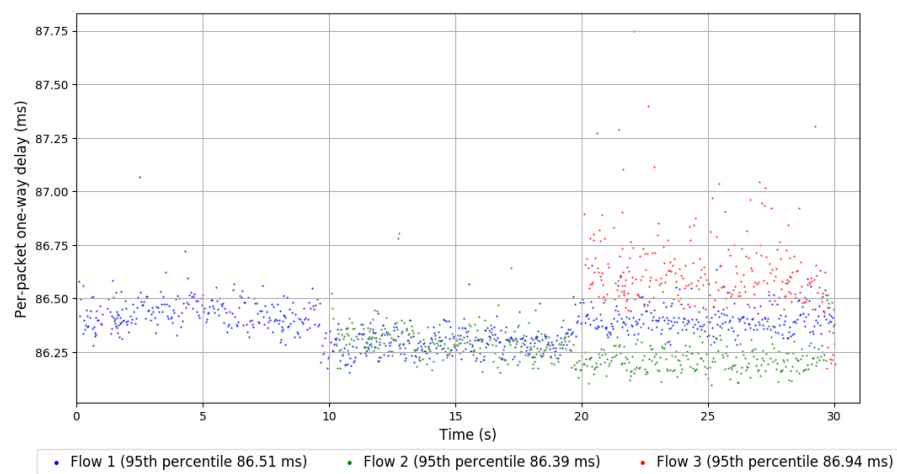
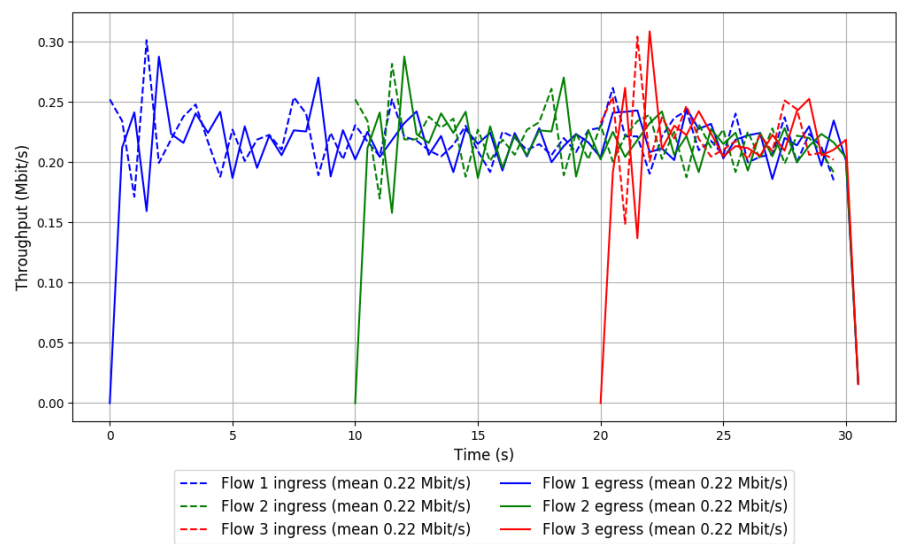
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.936 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-07-03 18:06:45

End at: 2018-07-03 18:07:15

Local clock offset: 0.092 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-07-03 21:25:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.602 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.649 ms

Loss rate: 0.00%

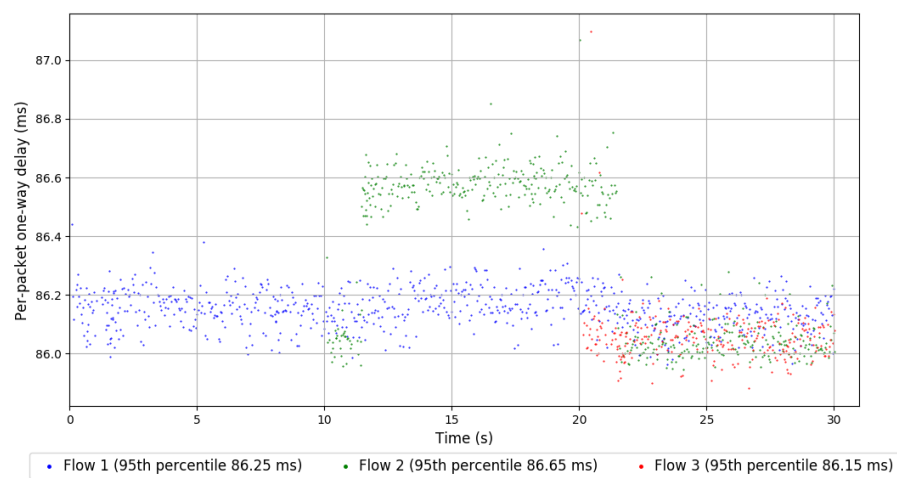
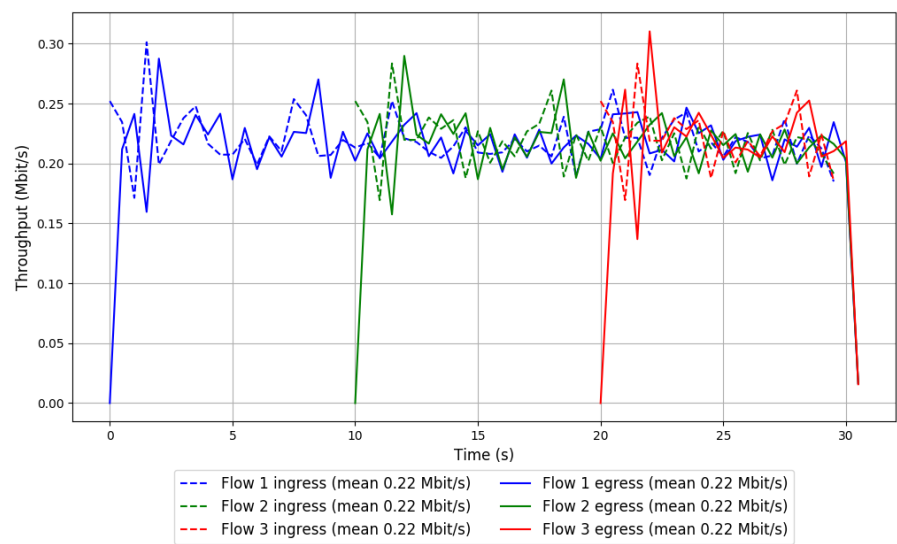
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.152 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

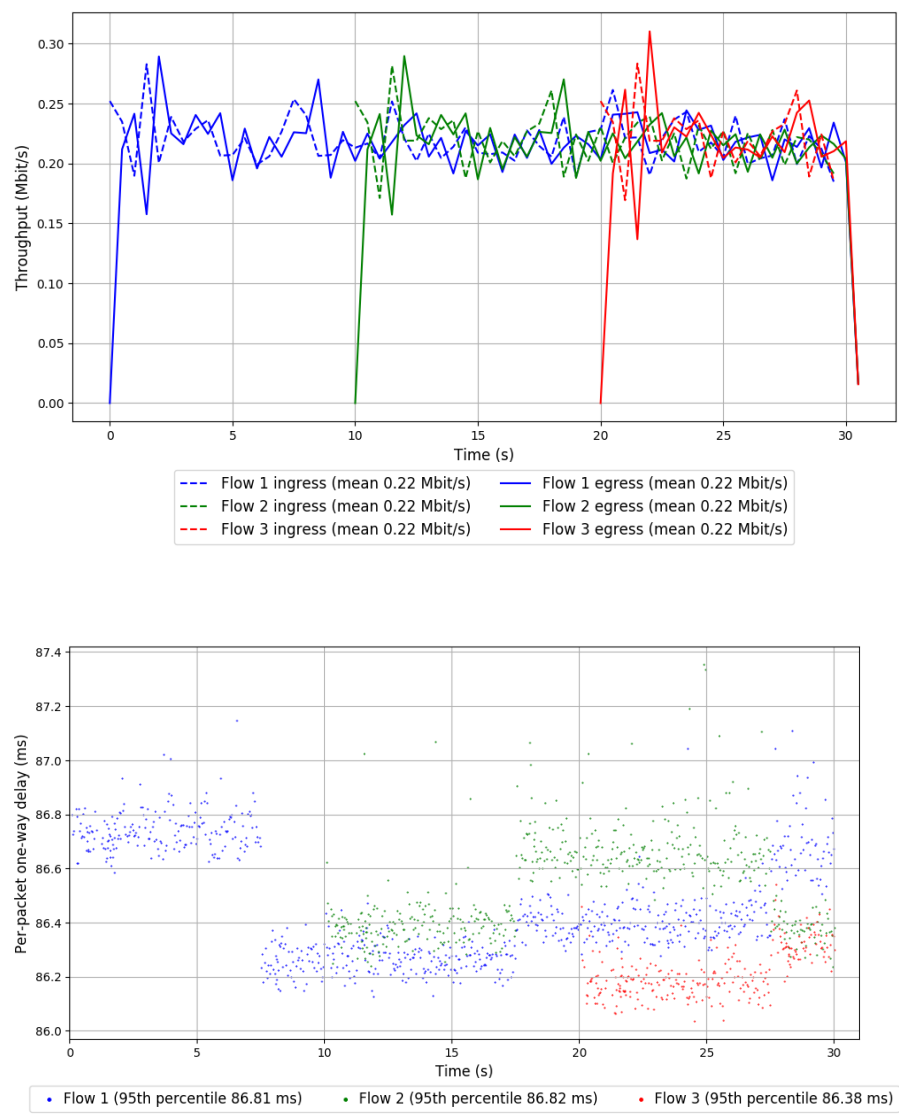


Run 9: Statistics of SReAM

Start at: 2018-07-03 18:32:29
End at: 2018-07-03 18:32:59
Local clock offset: -0.076 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-03 21:25:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.797 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.811 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.824 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.379 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

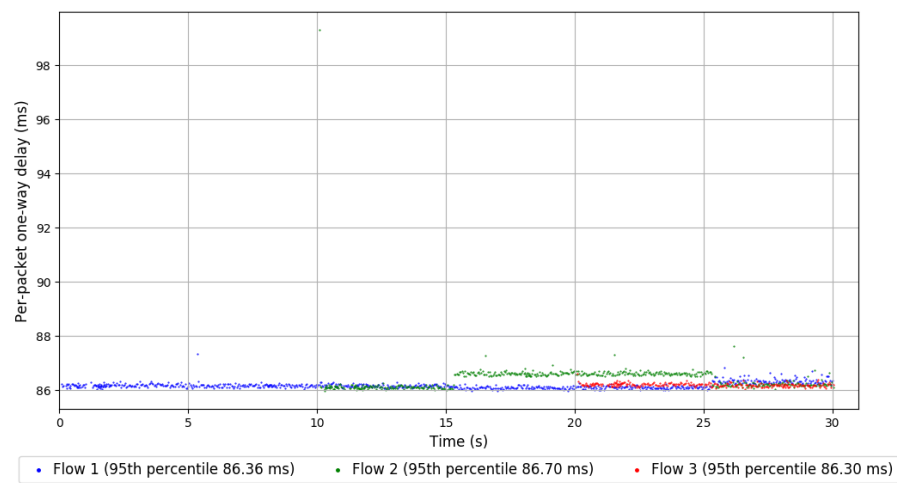
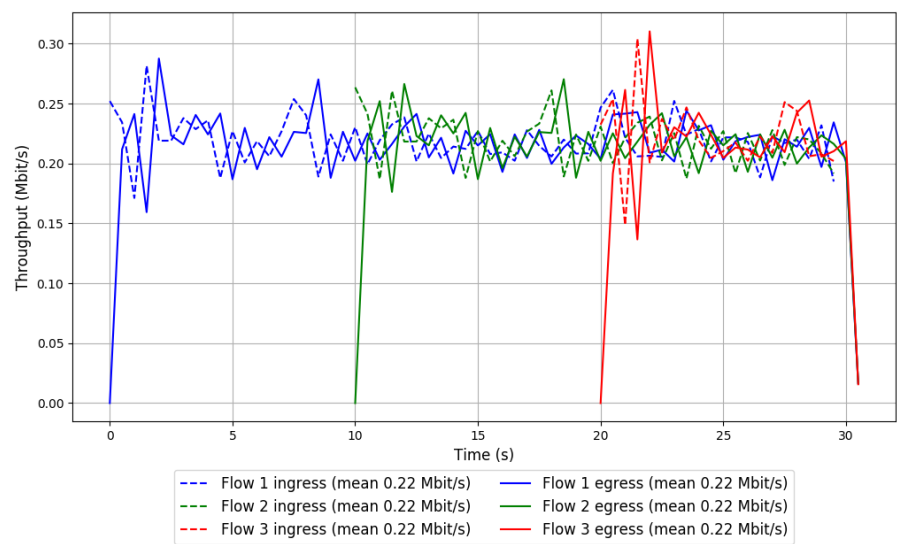


Run 10: Statistics of SReAM

Start at: 2018-07-03 18:57:51
End at: 2018-07-03 18:58:21
Local clock offset: 0.027 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-03 21:25:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.647 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.358 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.696 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.296 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-03 15:04:20

End at: 2018-07-03 15:04:50

Local clock offset: 0.121 ms

Remote clock offset: -0.17 ms

Below is generated by plot.py at 2018-07-03 21:25:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.66 Mbit/s

95th percentile per-packet one-way delay: 86.385 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 86.471 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 86.305 ms

Loss rate: 0.00%

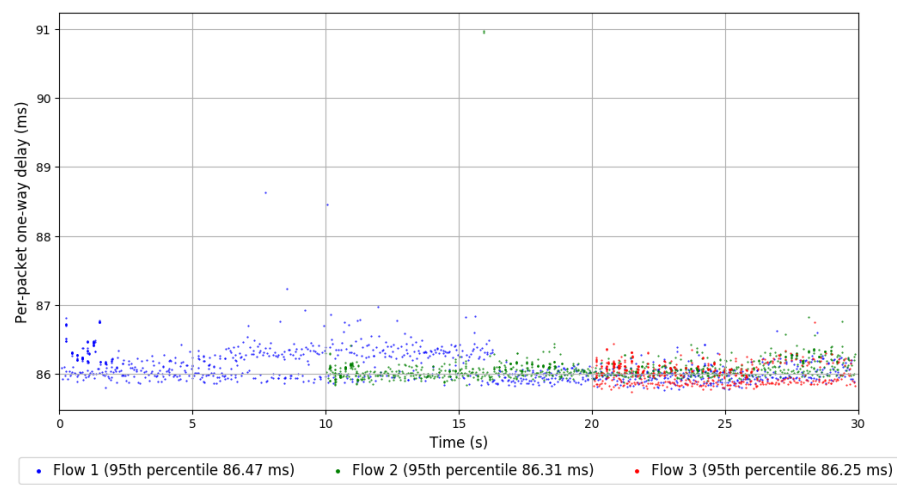
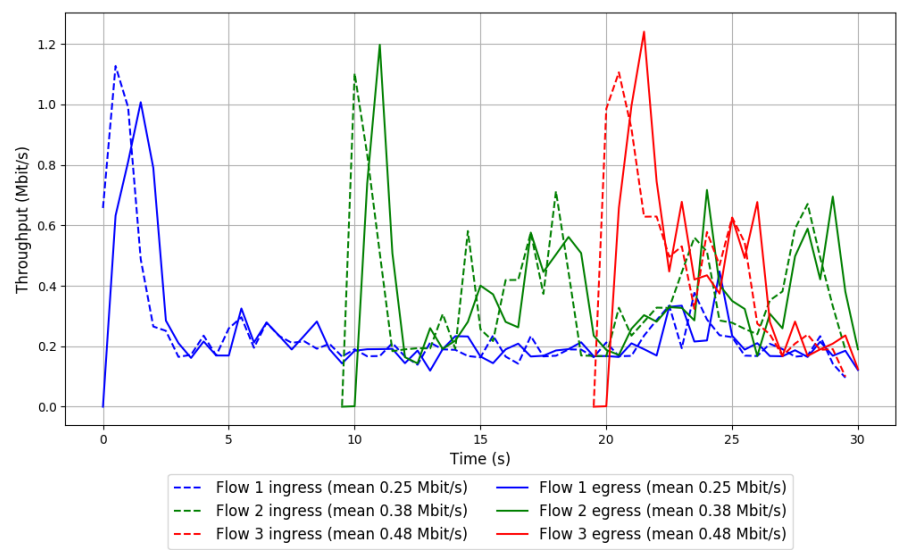
-- Flow 3:

Average throughput: 0.48 Mbit/s

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

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

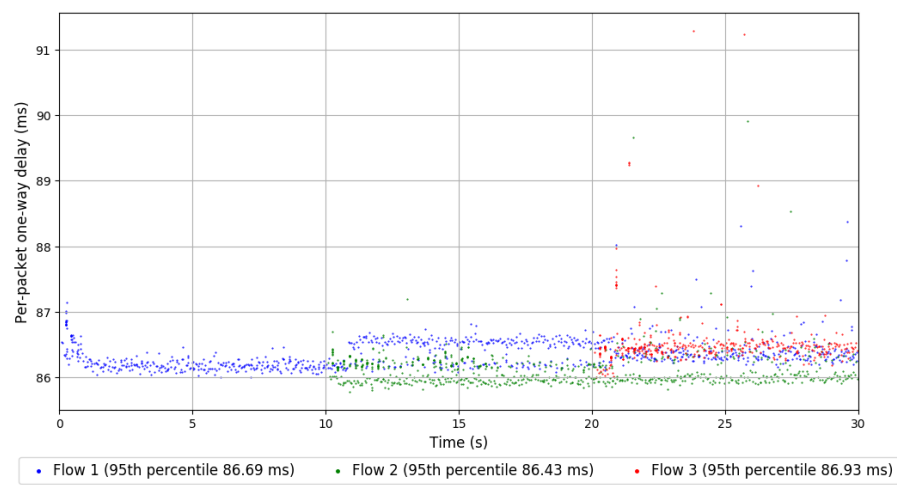
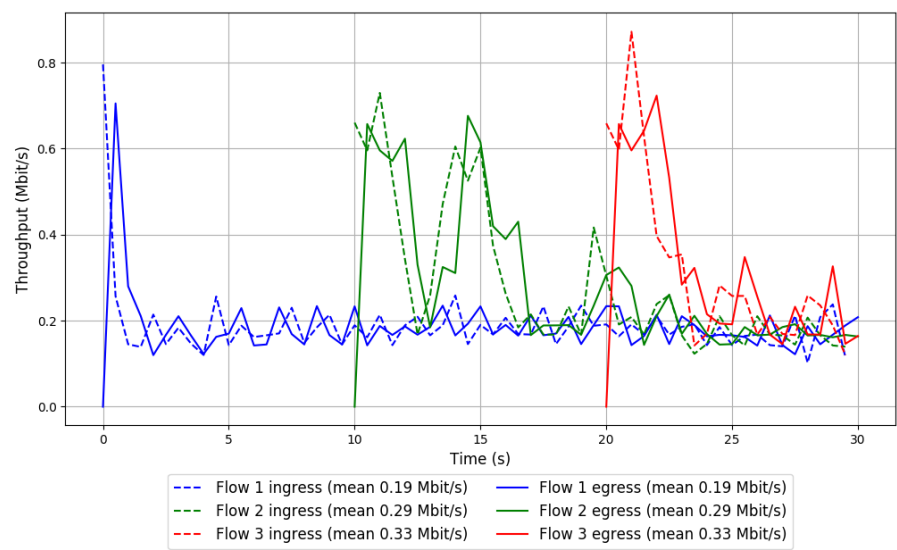


Run 2: Statistics of Sprout

Start at: 2018-07-03 15:30:05
End at: 2018-07-03 15:30:35
Local clock offset: 0.188 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-07-03 21:25:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 86.667 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 86.691 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.434 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 86.930 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-07-03 15:55:48

End at: 2018-07-03 15:56:18

Local clock offset: 0.061 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-03 21:25:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 86.725 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 86.687 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 86.635 ms

Loss rate: 0.00%

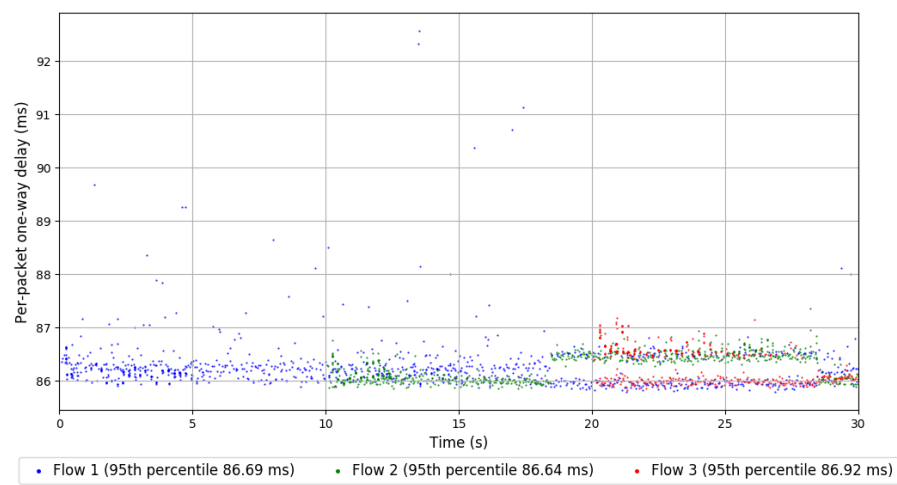
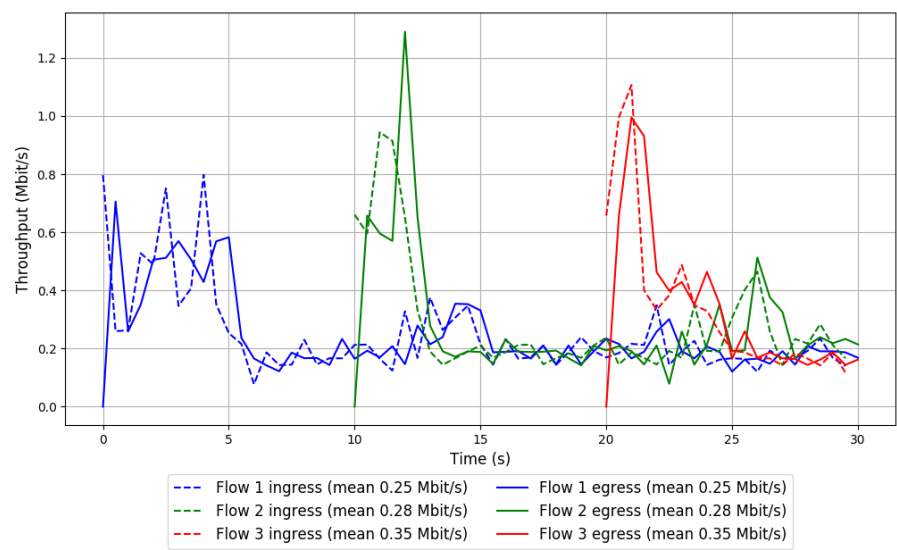
-- Flow 3:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 86.920 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

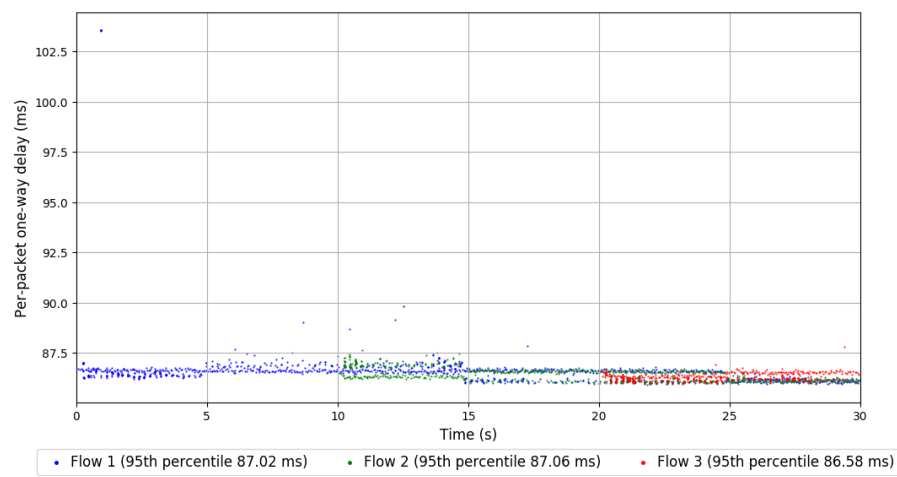
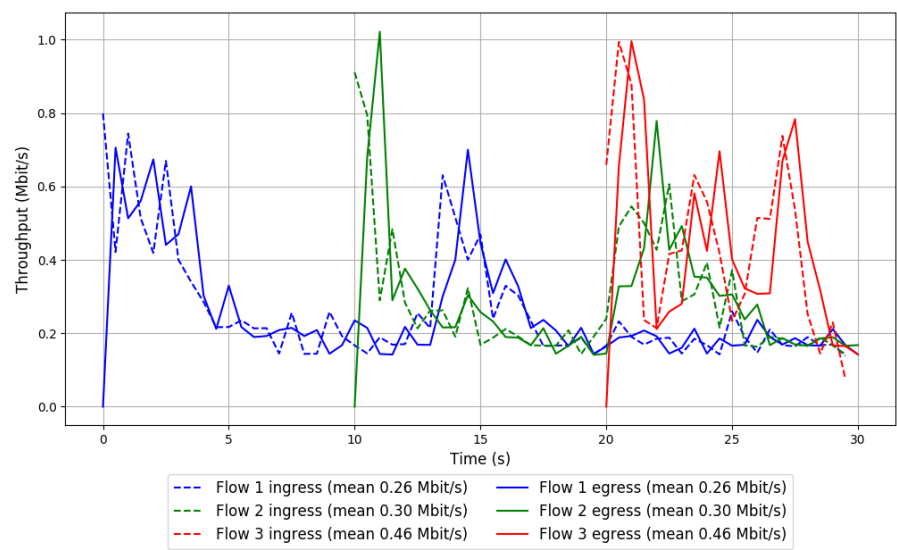


Run 4: Statistics of Sprout

Start at: 2018-07-03 16:21:21
End at: 2018-07-03 16:21:51
Local clock offset: -0.037 ms
Remote clock offset: 0.023 ms

```
# Below is generated by plot.py at 2018-07-03 21:25:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 86.981 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 87.015 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 87.065 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 86.582 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

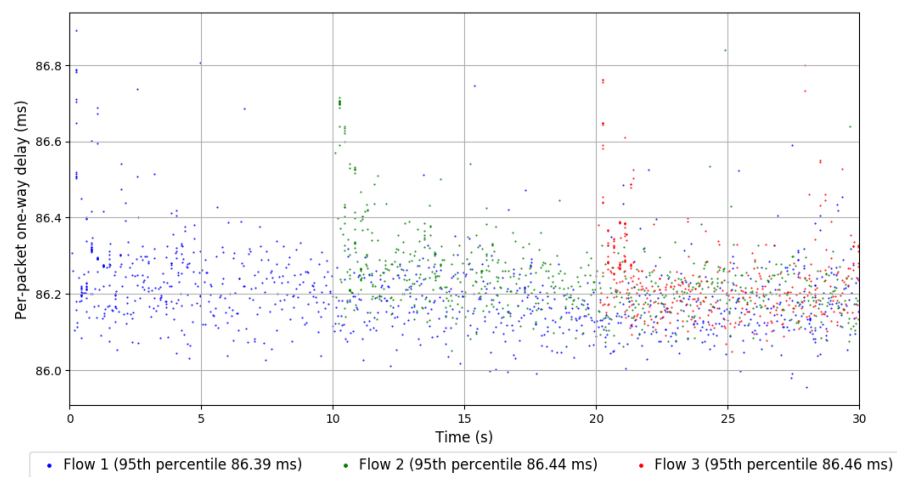
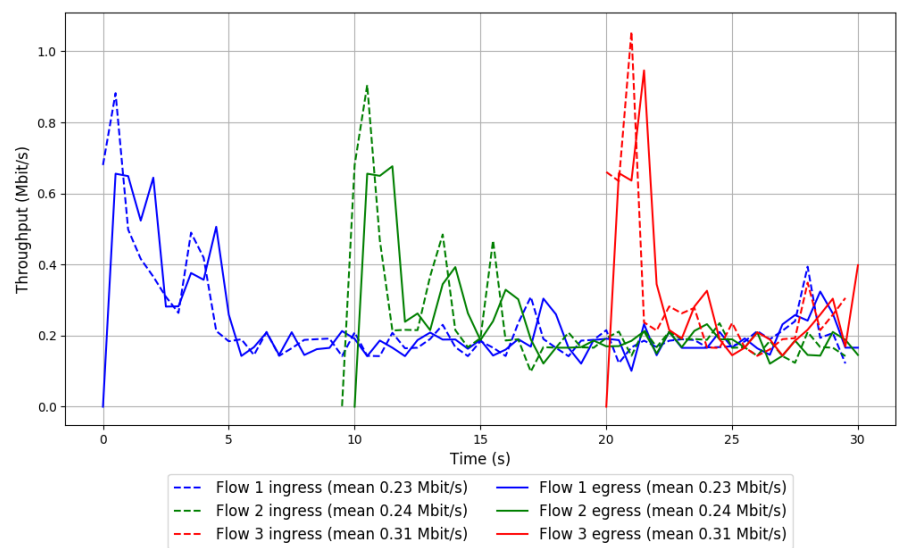


Run 5: Statistics of Sprout

Start at: 2018-07-03 16:47:02
End at: 2018-07-03 16:47:32
Local clock offset: -0.02 ms
Remote clock offset: -0.105 ms

```
# Below is generated by plot.py at 2018-07-03 21:25:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 86.428 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 86.391 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.445 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 86.461 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

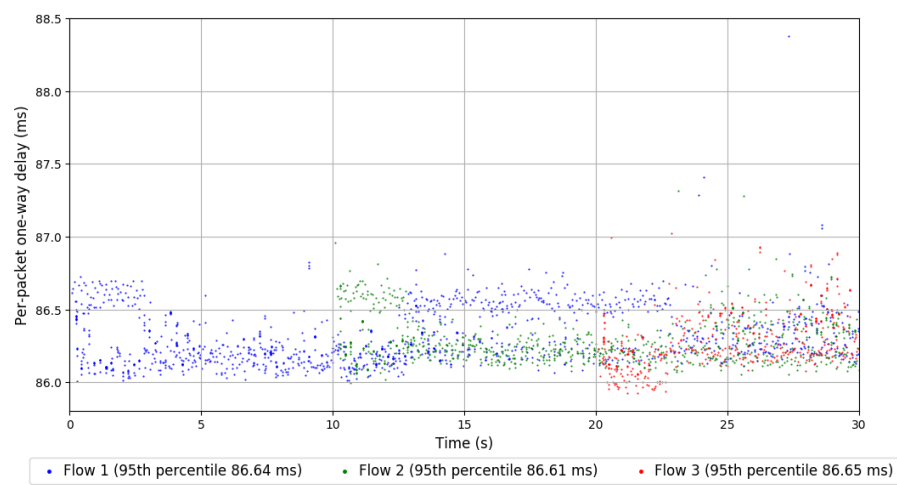
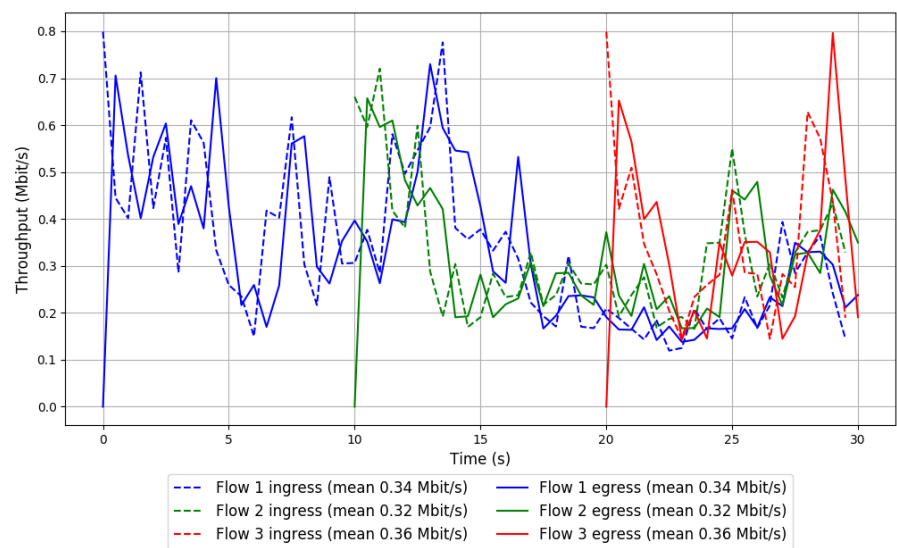


Run 6: Statistics of Sprout

Start at: 2018-07-03 17:12:43
End at: 2018-07-03 17:13:13
Local clock offset: -0.012 ms
Remote clock offset: -0.18 ms

```
# Below is generated by plot.py at 2018-07-03 21:25:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 86.634 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 86.636 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 86.611 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 86.650 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

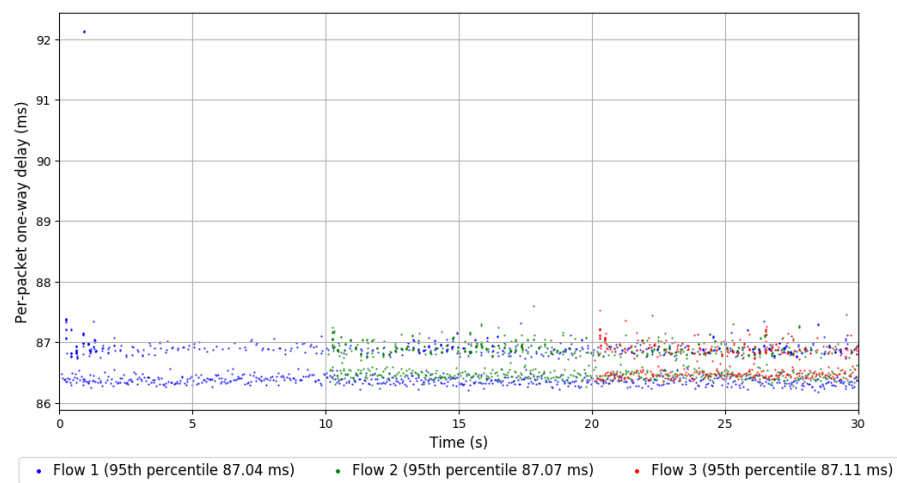
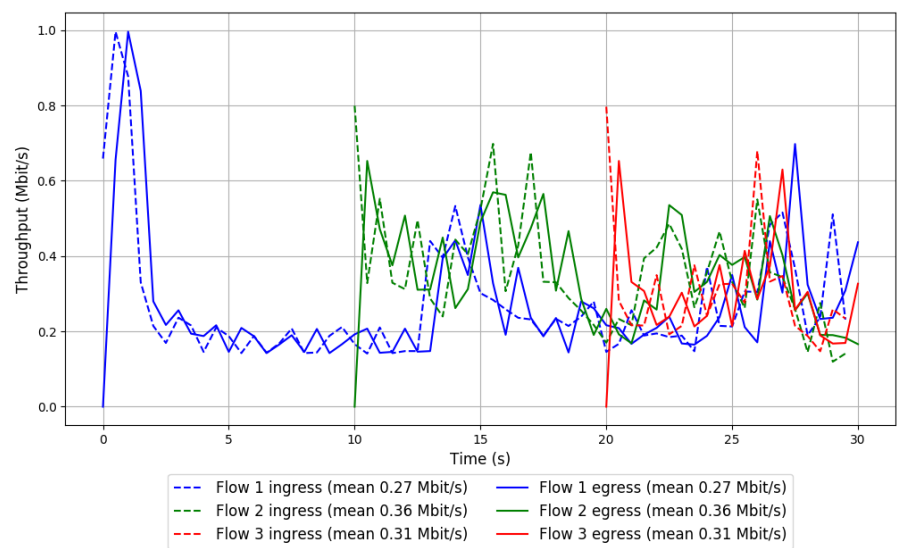


Run 7: Statistics of Sprout

Start at: 2018-07-03 17:38:14
End at: 2018-07-03 17:38:44
Local clock offset: -0.148 ms
Remote clock offset: 0.051 ms

```
# Below is generated by plot.py at 2018-07-03 21:25:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 87.067 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 87.039 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 87.073 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 87.110 ms
Loss rate: 0.00%
```


Run 7: Report of Sprout — Data Link

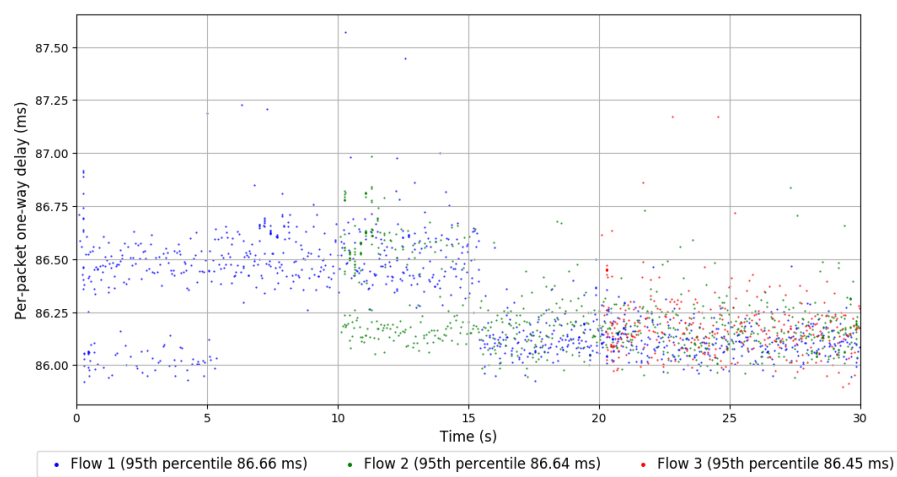
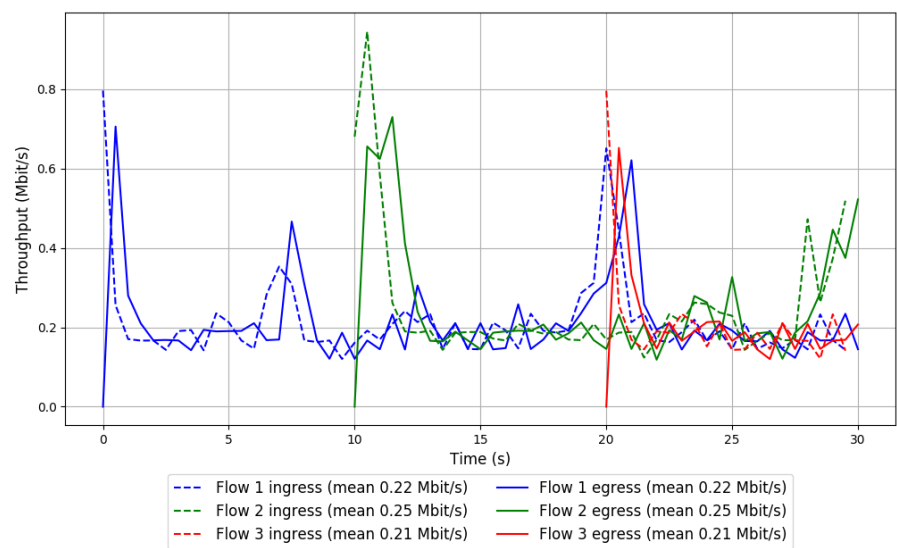


Run 8: Statistics of Sprout

Start at: 2018-07-03 18:04:01
End at: 2018-07-03 18:04:31
Local clock offset: 0.109 ms
Remote clock offset: 0.075 ms

```
# Below is generated by plot.py at 2018-07-03 21:25:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 86.637 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.655 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 86.637 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 86.450 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

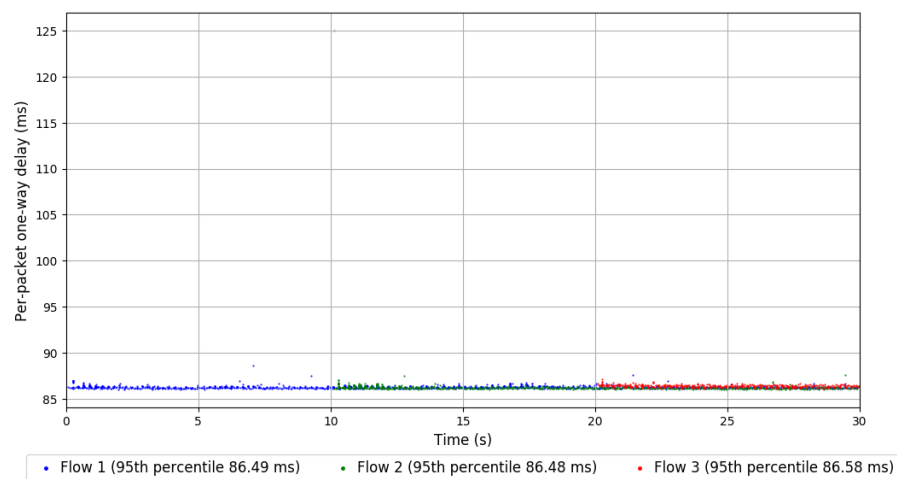
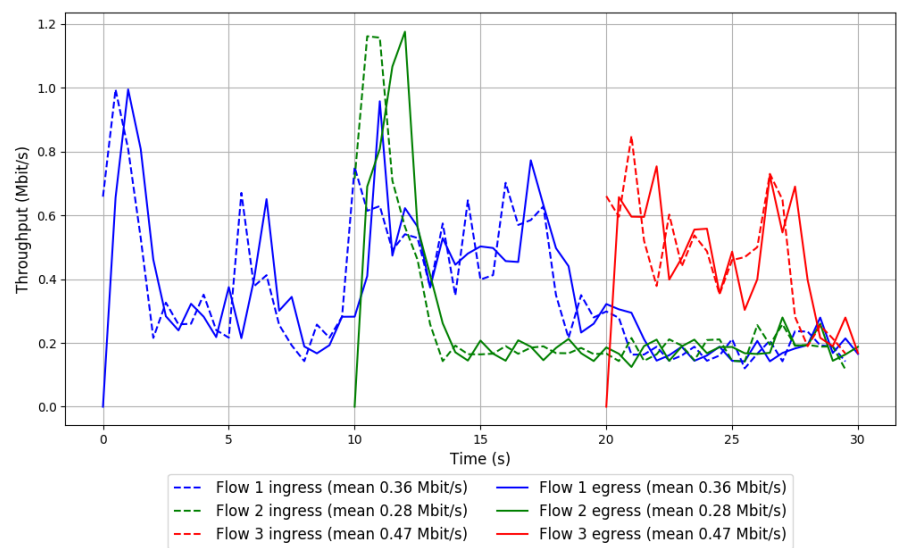


Run 9: Statistics of Sprout

Start at: 2018-07-03 18:29:44
End at: 2018-07-03 18:30:14
Local clock offset: -0.1 ms
Remote clock offset: -0.033 ms

```
# Below is generated by plot.py at 2018-07-03 21:25:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.70 Mbit/s
95th percentile per-packet one-way delay: 86.535 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 86.490 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.478 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 86.576 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

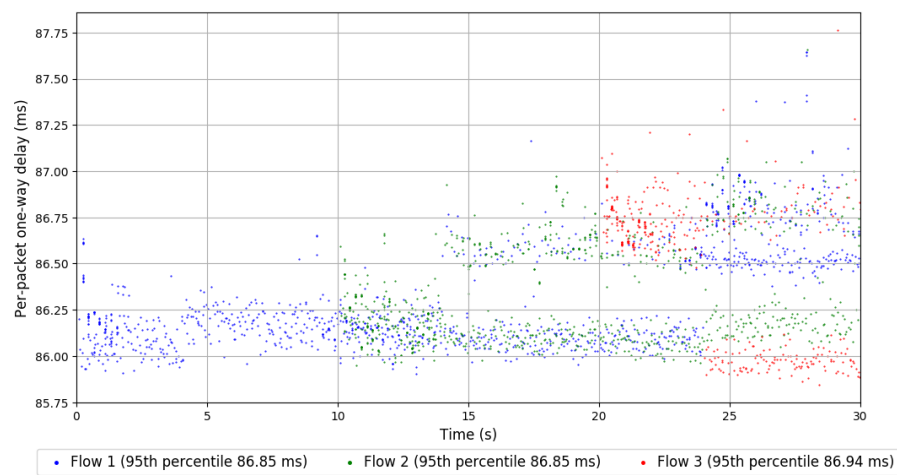
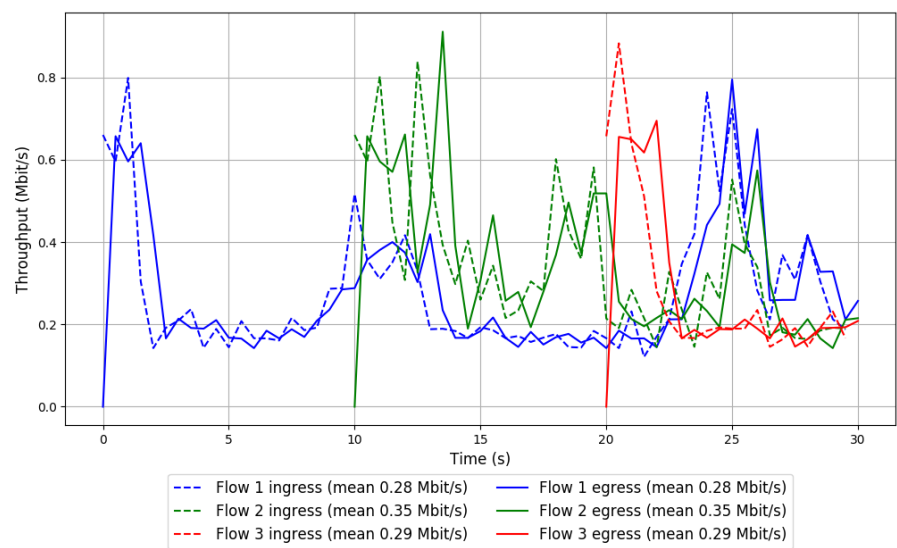


Run 10: Statistics of Sprout

Start at: 2018-07-03 18:55:12
End at: 2018-07-03 18:55:42
Local clock offset: 0.127 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-03 21:25:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 86.870 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.848 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 86.848 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.939 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

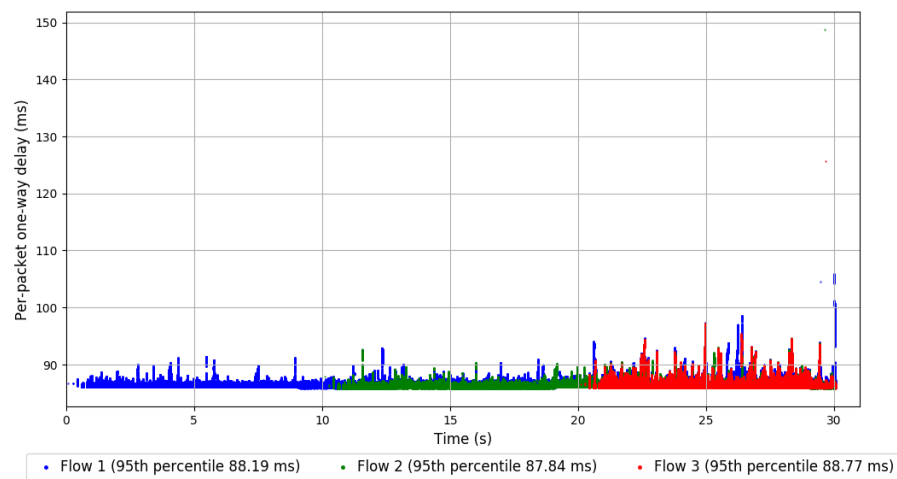
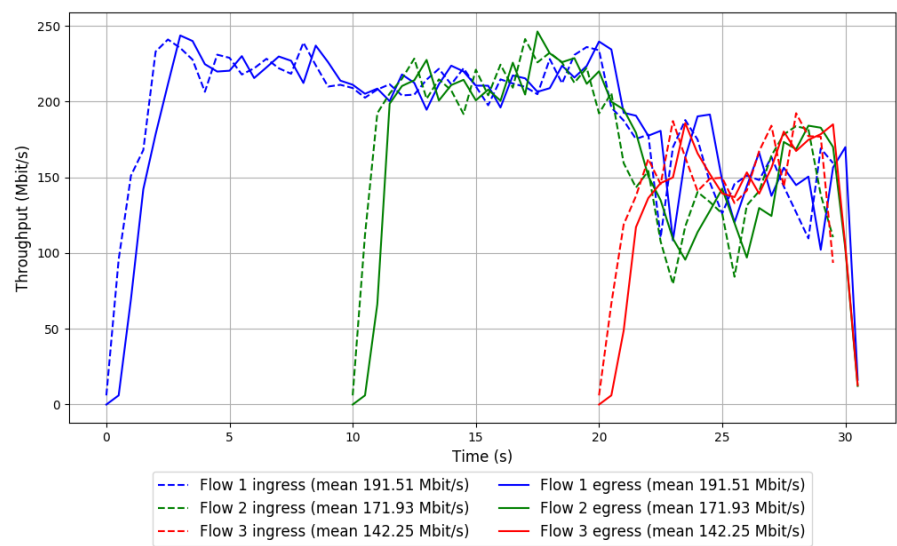


Run 1: Statistics of TaoVA-100x

Start at: 2018-07-03 14:54:07
End at: 2018-07-03 14:54:37
Local clock offset: -0.04 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2018-07-03 21:30:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 353.29 Mbit/s
95th percentile per-packet one-way delay: 88.165 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 191.51 Mbit/s
95th percentile per-packet one-way delay: 88.189 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 171.93 Mbit/s
95th percentile per-packet one-way delay: 87.839 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 142.25 Mbit/s
95th percentile per-packet one-way delay: 88.765 ms
Loss rate: 0.00%

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

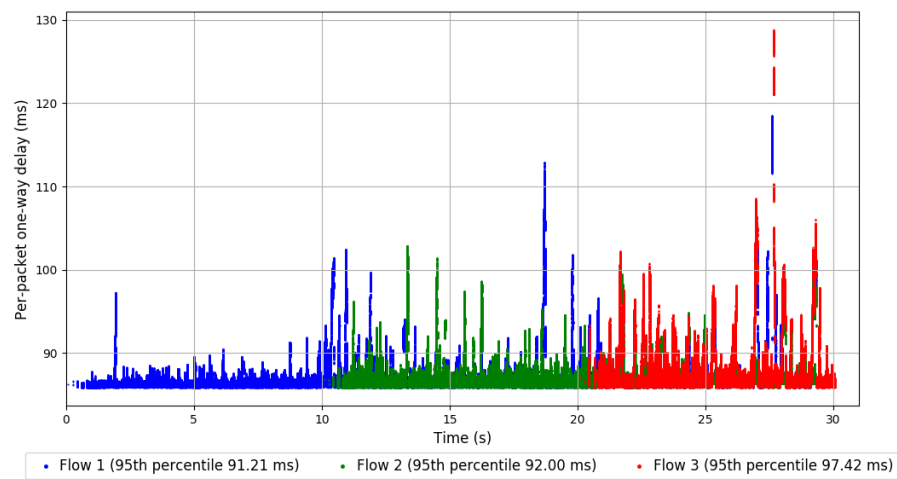
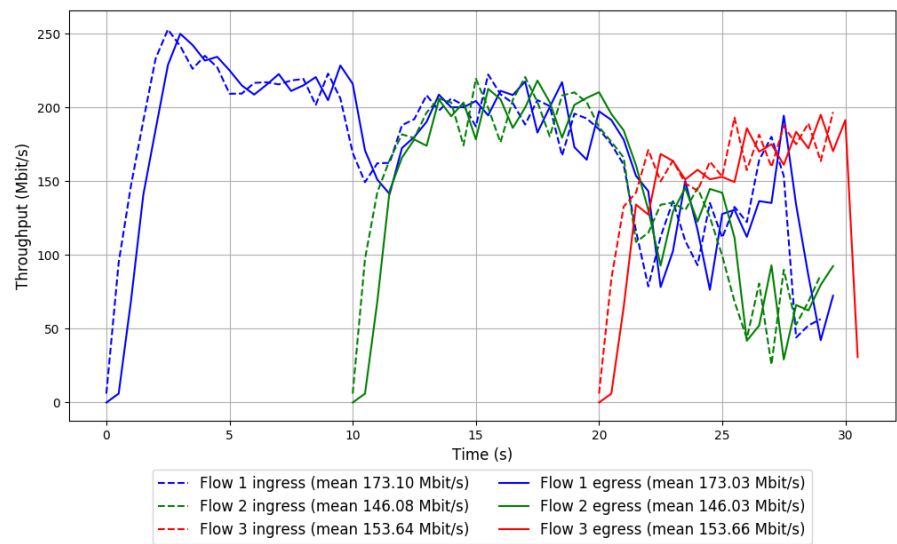


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-03 15:19:51
End at: 2018-07-03 15:20:21
Local clock offset: 0.072 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-07-03 21:30:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 313.51 Mbit/s
95th percentile per-packet one-way delay: 93.036 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 173.03 Mbit/s
95th percentile per-packet one-way delay: 91.212 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 146.03 Mbit/s
95th percentile per-packet one-way delay: 91.997 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 153.66 Mbit/s
95th percentile per-packet one-way delay: 97.415 ms
Loss rate: 0.00%

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

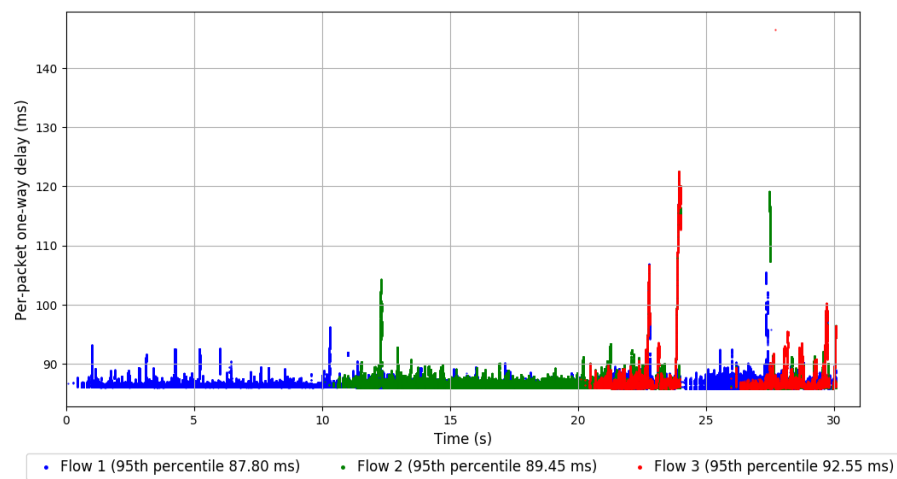
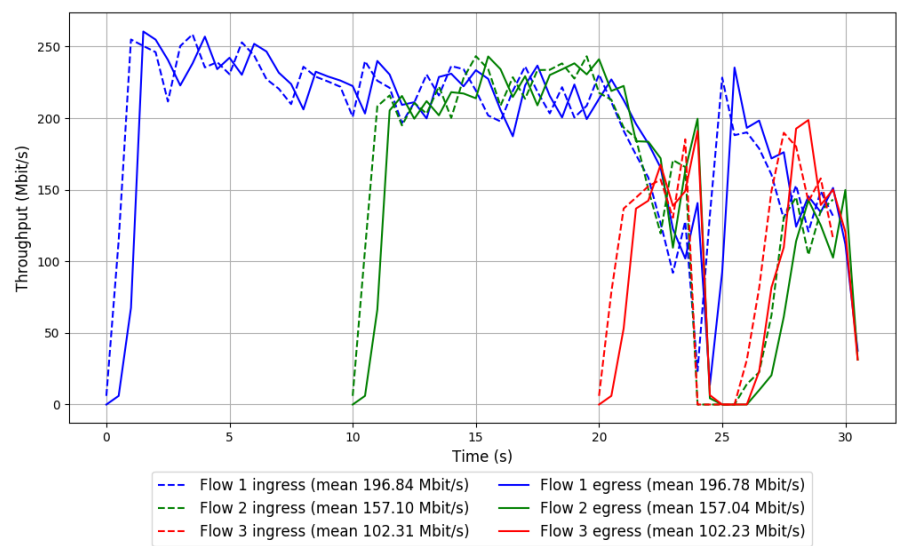


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-03 15:45:35
End at: 2018-07-03 15:46:05
Local clock offset: -0.086 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-03 21:30:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 335.38 Mbit/s
95th percentile per-packet one-way delay: 88.797 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 196.78 Mbit/s
95th percentile per-packet one-way delay: 87.801 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 157.04 Mbit/s
95th percentile per-packet one-way delay: 89.453 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 102.23 Mbit/s
95th percentile per-packet one-way delay: 92.545 ms
Loss rate: 0.00%

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

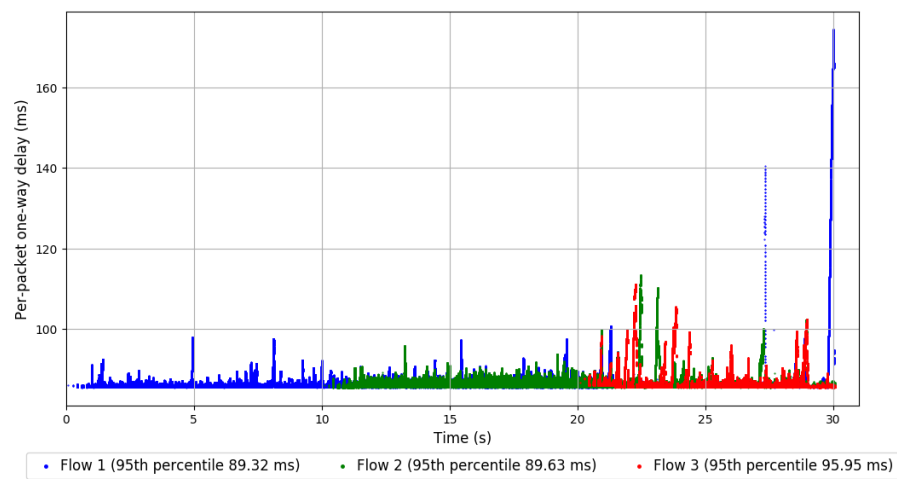
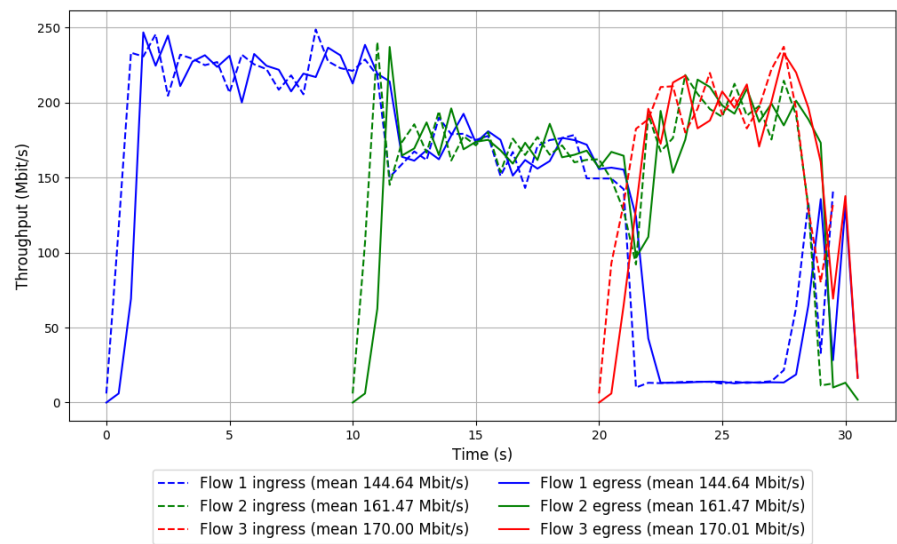


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-03 16:11:15
End at: 2018-07-03 16:11:45
Local clock offset: 0.19 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-03 21:30:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 308.74 Mbit/s
95th percentile per-packet one-way delay: 90.624 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 144.64 Mbit/s
95th percentile per-packet one-way delay: 89.317 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 161.47 Mbit/s
95th percentile per-packet one-way delay: 89.634 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 170.01 Mbit/s
95th percentile per-packet one-way delay: 95.955 ms
Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-03 16:36:51

End at: 2018-07-03 16:37:21

Local clock offset: 0.037 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-03 21:30:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 344.49 Mbit/s

95th percentile per-packet one-way delay: 89.116 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 197.00 Mbit/s

95th percentile per-packet one-way delay: 88.059 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 155.12 Mbit/s

95th percentile per-packet one-way delay: 90.405 ms

Loss rate: 0.07%

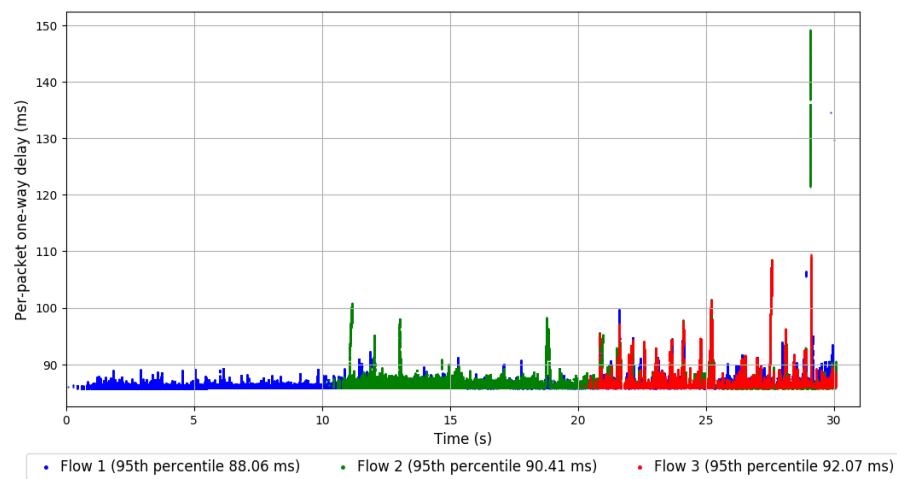
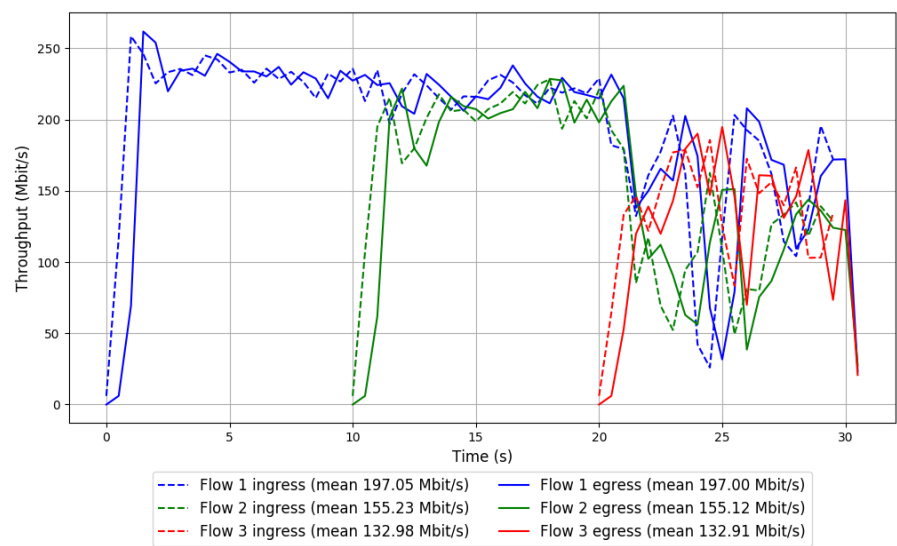
-- Flow 3:

Average throughput: 132.91 Mbit/s

95th percentile per-packet one-way delay: 92.068 ms

Loss rate: 0.05%

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

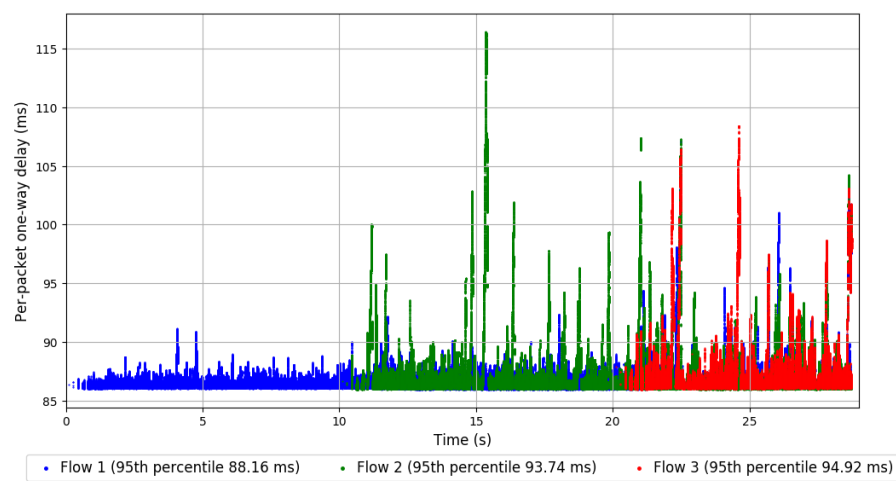
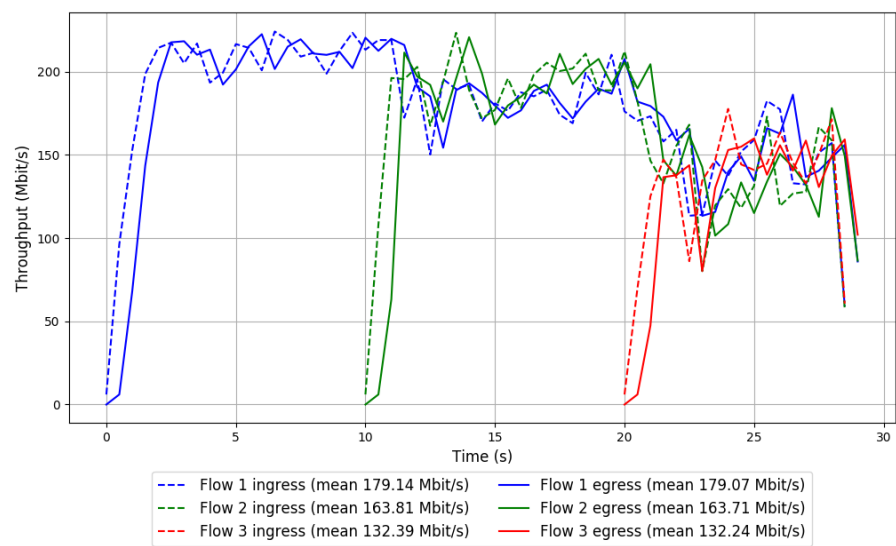


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-03 17:02:35
End at: 2018-07-03 17:03:05
Local clock offset: -0.108 ms
Remote clock offset: -0.171 ms

Below is generated by plot.py at 2018-07-03 21:30:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 325.43 Mbit/s
95th percentile per-packet one-way delay: 90.728 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 179.07 Mbit/s
95th percentile per-packet one-way delay: 88.162 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 163.71 Mbit/s
95th percentile per-packet one-way delay: 93.739 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 132.24 Mbit/s
95th percentile per-packet one-way delay: 94.916 ms
Loss rate: 0.00%

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

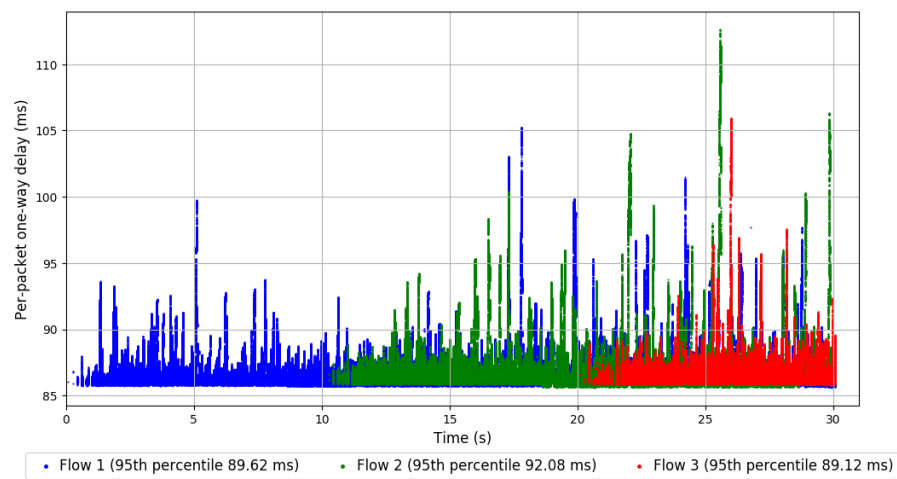
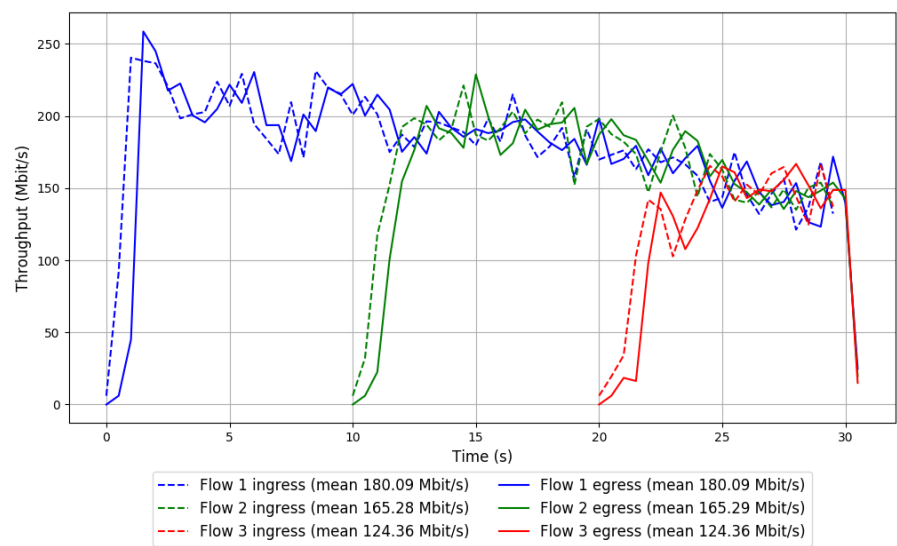


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-03 17:28:08
End at: 2018-07-03 17:28:38
Local clock offset: 0.142 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-07-03 21:35:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 331.48 Mbit/s
95th percentile per-packet one-way delay: 90.296 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 180.09 Mbit/s
95th percentile per-packet one-way delay: 89.619 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 165.29 Mbit/s
95th percentile per-packet one-way delay: 92.076 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 124.36 Mbit/s
95th percentile per-packet one-way delay: 89.124 ms
Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-03 17:53:47

End at: 2018-07-03 17:54:17

Local clock offset: -0.014 ms

Remote clock offset: 0.081 ms

Below is generated by plot.py at 2018-07-03 21:36:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 287.43 Mbit/s

95th percentile per-packet one-way delay: 94.306 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 169.50 Mbit/s

95th percentile per-packet one-way delay: 93.502 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 156.50 Mbit/s

95th percentile per-packet one-way delay: 94.909 ms

Loss rate: 0.00%

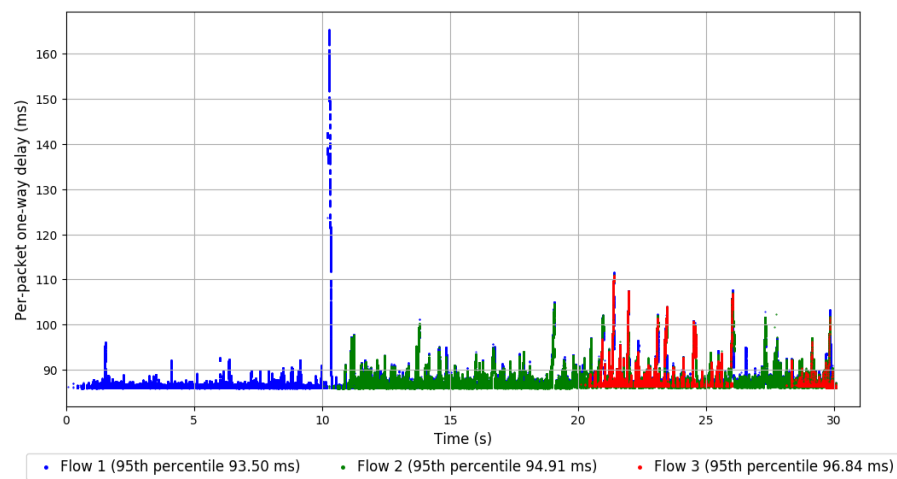
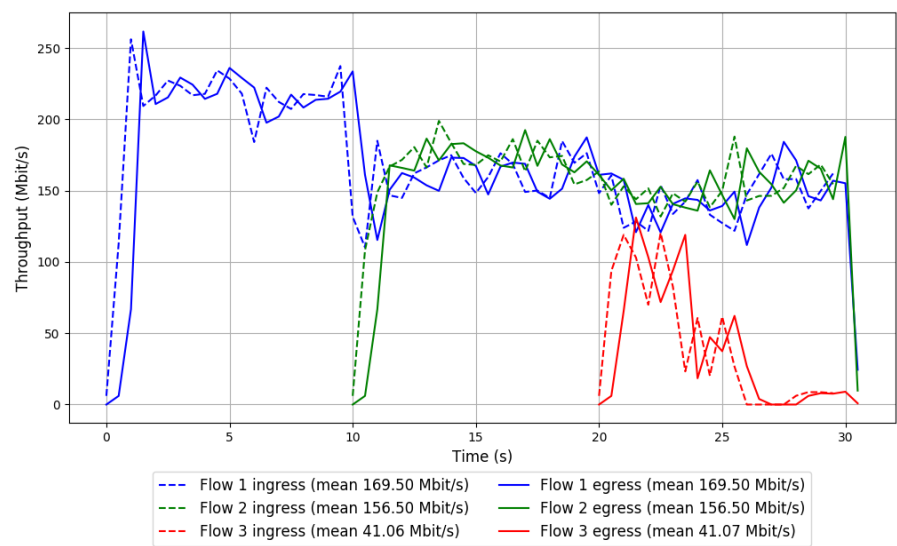
-- Flow 3:

Average throughput: 41.07 Mbit/s

95th percentile per-packet one-way delay: 96.844 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-03 18:19:30

End at: 2018-07-03 18:20:00

Local clock offset: 0.125 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-07-03 21:40:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 311.54 Mbit/s

95th percentile per-packet one-way delay: 91.774 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 165.80 Mbit/s

95th percentile per-packet one-way delay: 90.523 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 162.50 Mbit/s

95th percentile per-packet one-way delay: 92.910 ms

Loss rate: 0.01%

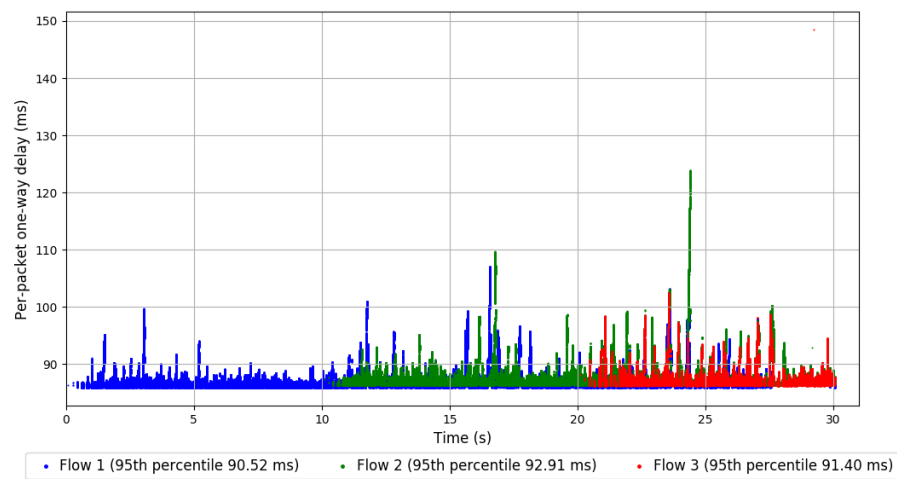
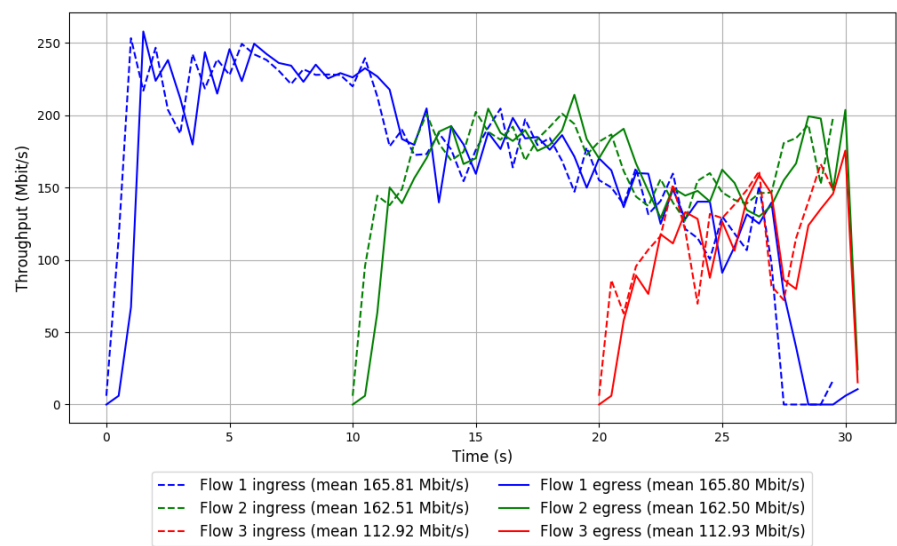
-- Flow 3:

Average throughput: 112.93 Mbit/s

95th percentile per-packet one-way delay: 91.397 ms

Loss rate: 0.00%

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

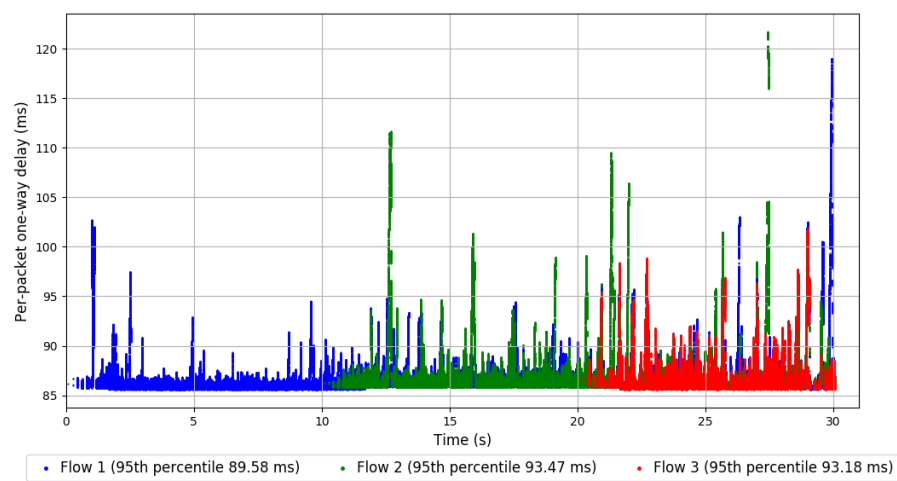
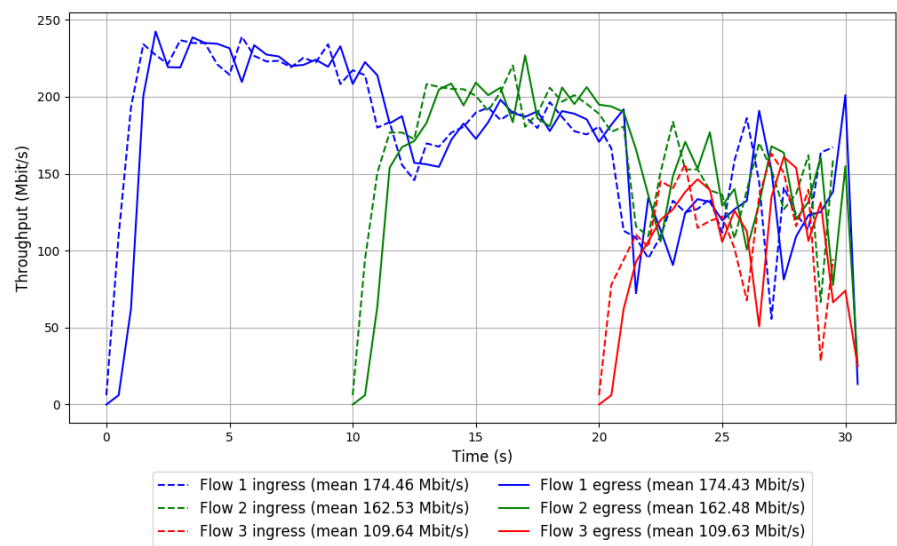


Run 10: Statistics of TaoVA-100x

Start at: 2018-07-03 18:45:05
End at: 2018-07-03 18:45:35
Local clock offset: 0.15 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-07-03 21:40:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 319.10 Mbit/s
95th percentile per-packet one-way delay: 91.368 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 174.43 Mbit/s
95th percentile per-packet one-way delay: 89.584 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 162.48 Mbit/s
95th percentile per-packet one-way delay: 93.467 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 109.63 Mbit/s
95th percentile per-packet one-way delay: 93.182 ms
Loss rate: 0.02%

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

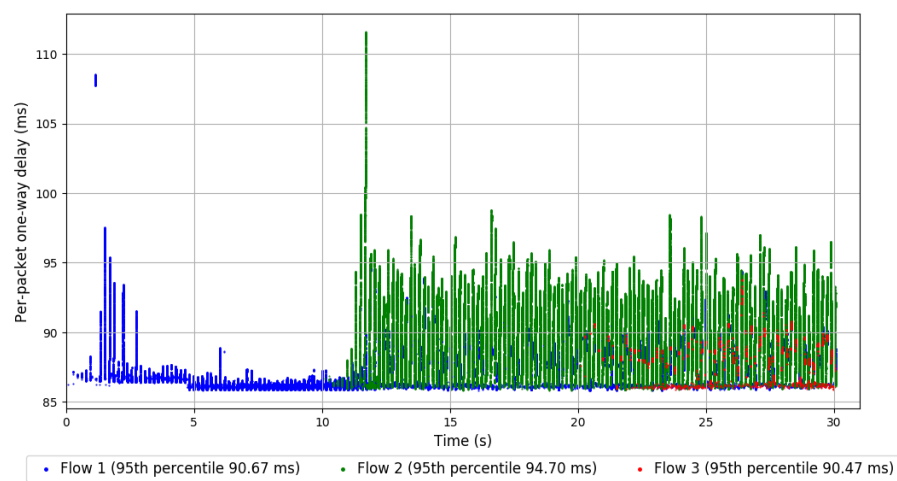
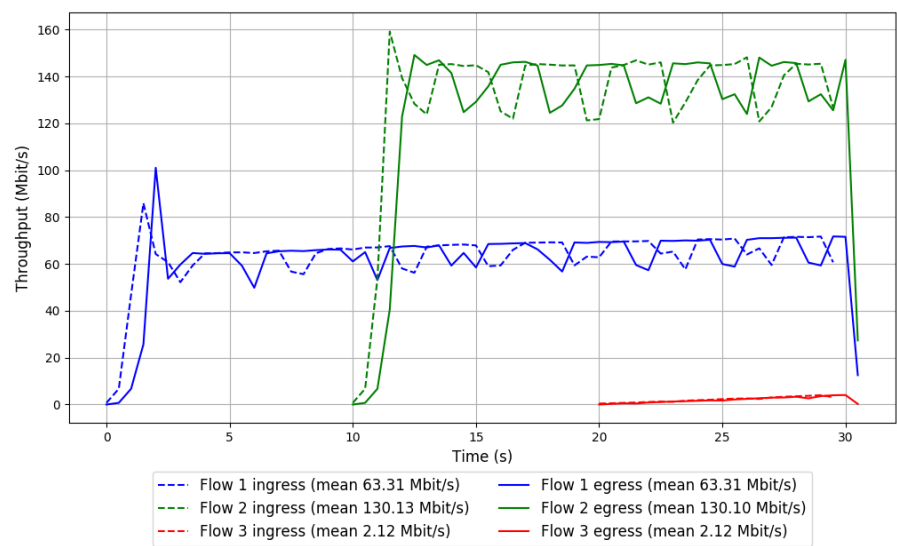


Run 1: Statistics of TCP Vegas

Start at: 2018-07-03 14:58:52
End at: 2018-07-03 14:59:22
Local clock offset: 0.046 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-07-03 21:40:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 150.66 Mbit/s
95th percentile per-packet one-way delay: 94.057 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 63.31 Mbit/s
95th percentile per-packet one-way delay: 90.673 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 130.10 Mbit/s
95th percentile per-packet one-way delay: 94.703 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 90.469 ms
Loss rate: 0.34%

Run 1: Report of TCP Vegas — Data Link

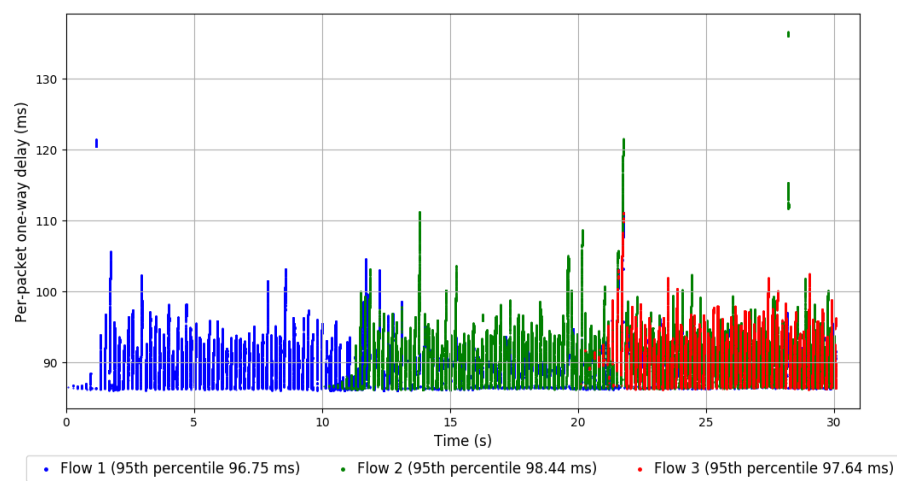
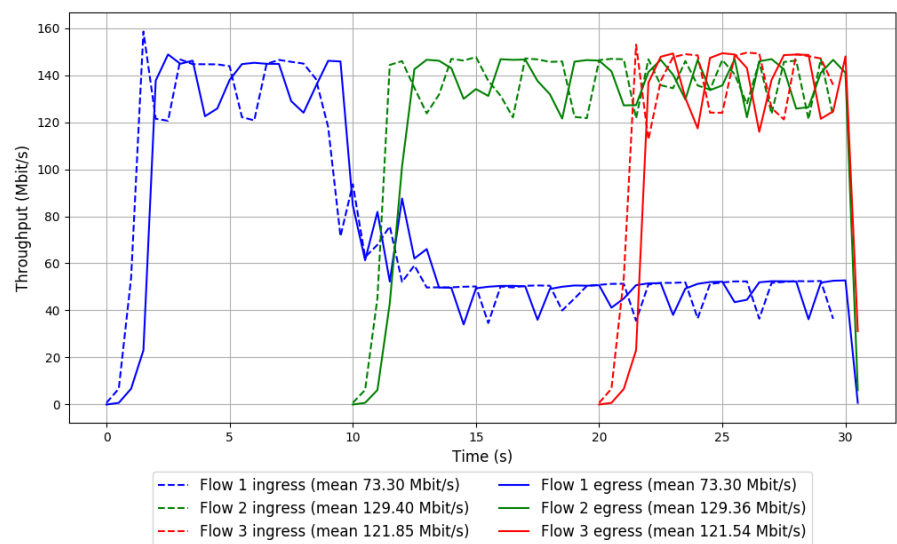


Run 2: Statistics of TCP Vegas

Start at: 2018-07-03 15:24:31
End at: 2018-07-03 15:25:01
Local clock offset: 0.023 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-07-03 21:40:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 199.61 Mbit/s
95th percentile per-packet one-way delay: 97.759 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 73.30 Mbit/s
95th percentile per-packet one-way delay: 96.748 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 129.36 Mbit/s
95th percentile per-packet one-way delay: 98.435 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 121.54 Mbit/s
95th percentile per-packet one-way delay: 97.635 ms
Loss rate: 0.25%

Run 2: Report of TCP Vegas — Data Link

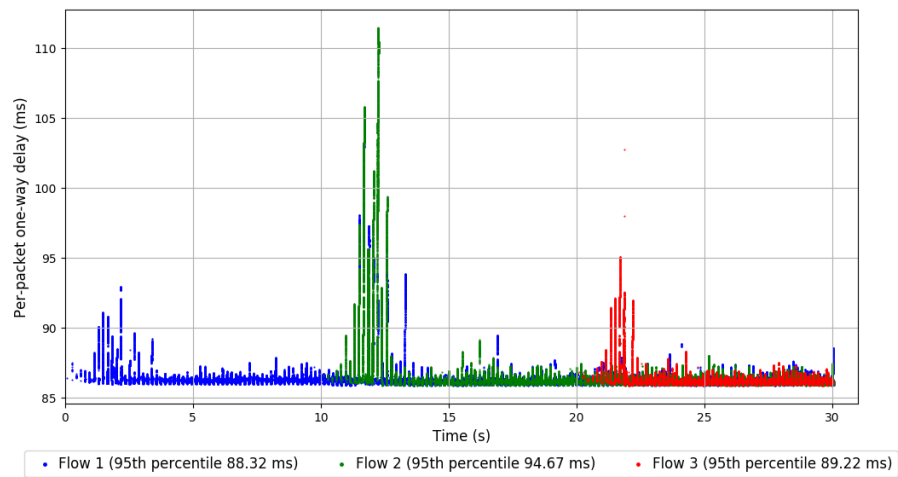
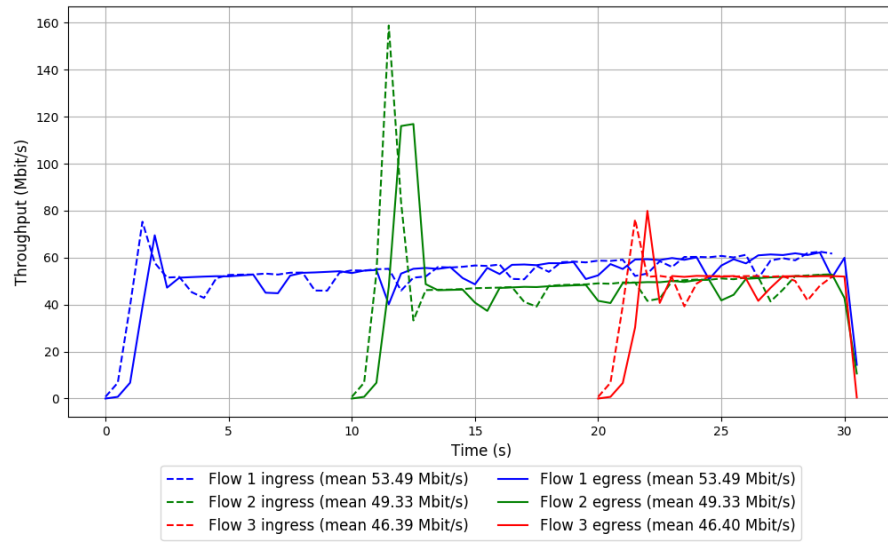


Run 3: Statistics of TCP Vegas

Start at: 2018-07-03 15:50:16
End at: 2018-07-03 15:50:46
Local clock offset: -0.135 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-03 21:40:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 101.74 Mbit/s
95th percentile per-packet one-way delay: 90.410 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.49 Mbit/s
95th percentile per-packet one-way delay: 88.321 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 49.33 Mbit/s
95th percentile per-packet one-way delay: 94.671 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 46.40 Mbit/s
95th percentile per-packet one-way delay: 89.223 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-03 16:15:53

End at: 2018-07-03 16:16:23

Local clock offset: -0.213 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-07-03 21:40:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.02 Mbit/s

95th percentile per-packet one-way delay: 89.818 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 36.83 Mbit/s

95th percentile per-packet one-way delay: 89.281 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 40.83 Mbit/s

95th percentile per-packet one-way delay: 90.225 ms

Loss rate: 0.00%

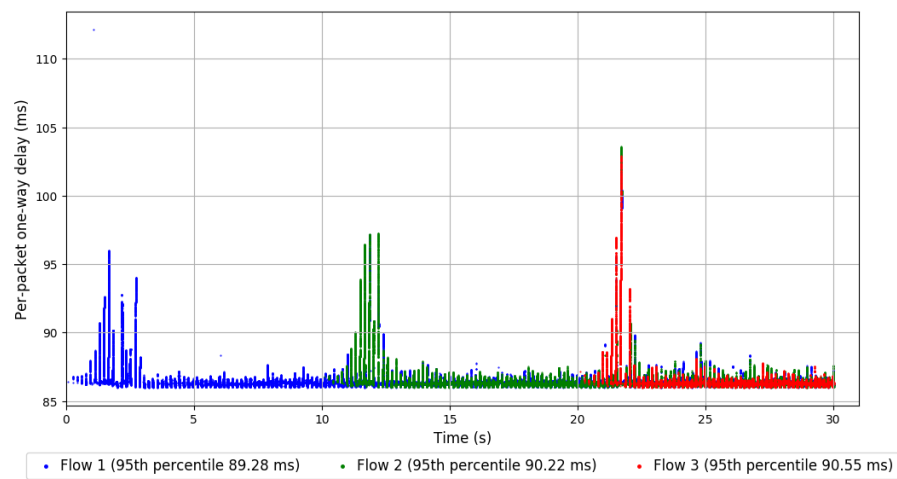
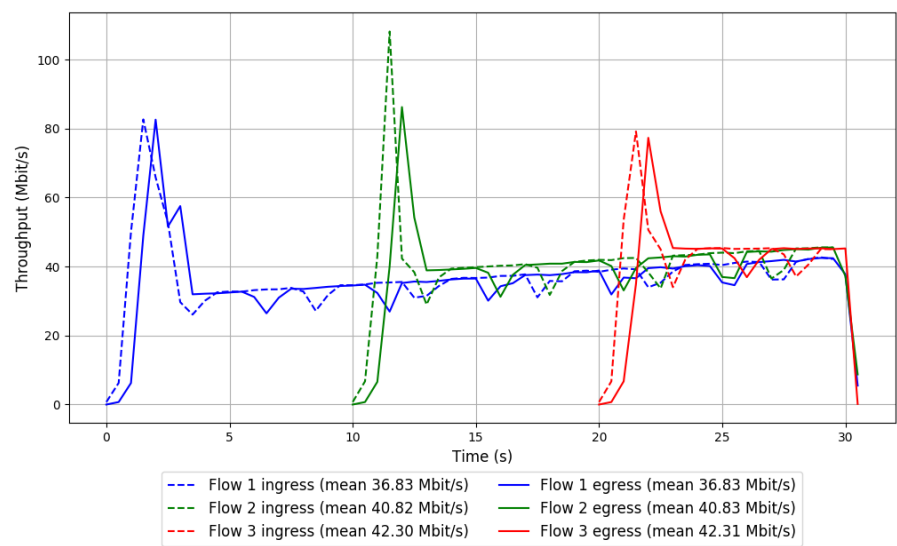
-- Flow 3:

Average throughput: 42.31 Mbit/s

95th percentile per-packet one-way delay: 90.551 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

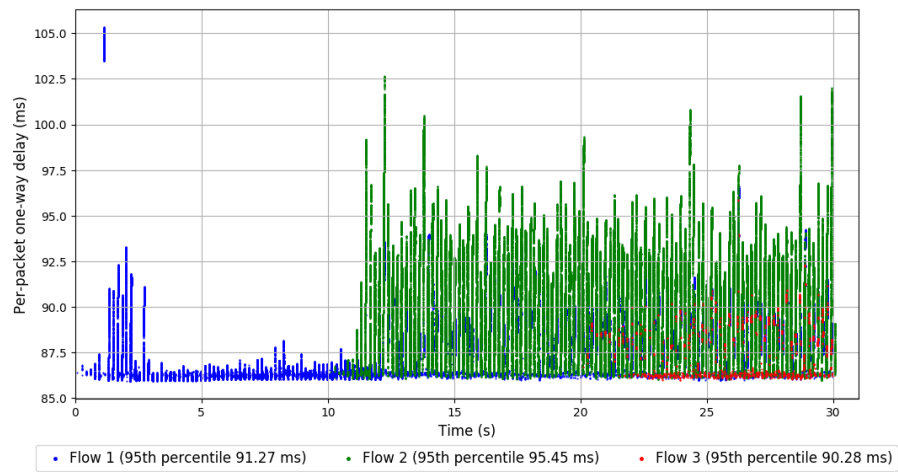
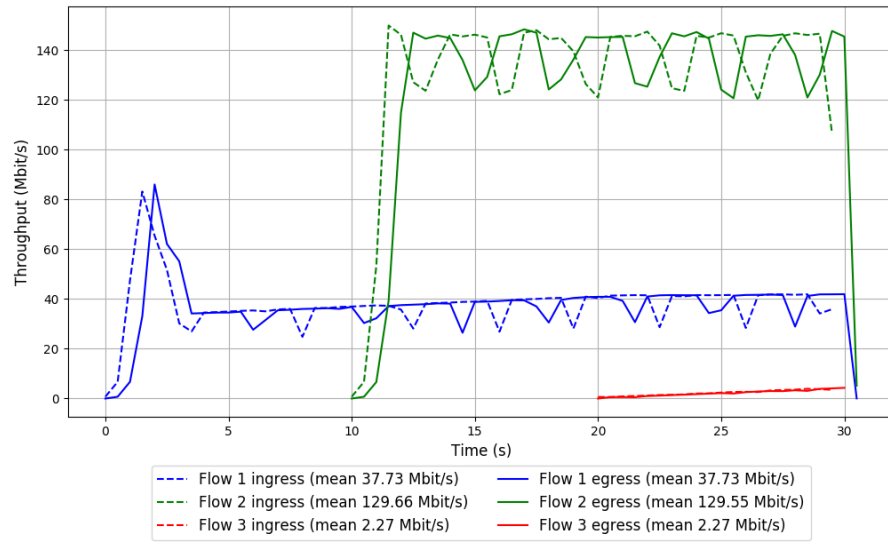


Run 5: Statistics of TCP Vegas

Start at: 2018-07-03 16:41:31
End at: 2018-07-03 16:42:01
Local clock offset: -0.045 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-07-03 21:40:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 124.72 Mbit/s
95th percentile per-packet one-way delay: 94.982 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 37.73 Mbit/s
95th percentile per-packet one-way delay: 91.269 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 129.55 Mbit/s
95th percentile per-packet one-way delay: 95.448 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 90.279 ms
Loss rate: 0.11%

Run 5: Report of TCP Vegas — Data Link

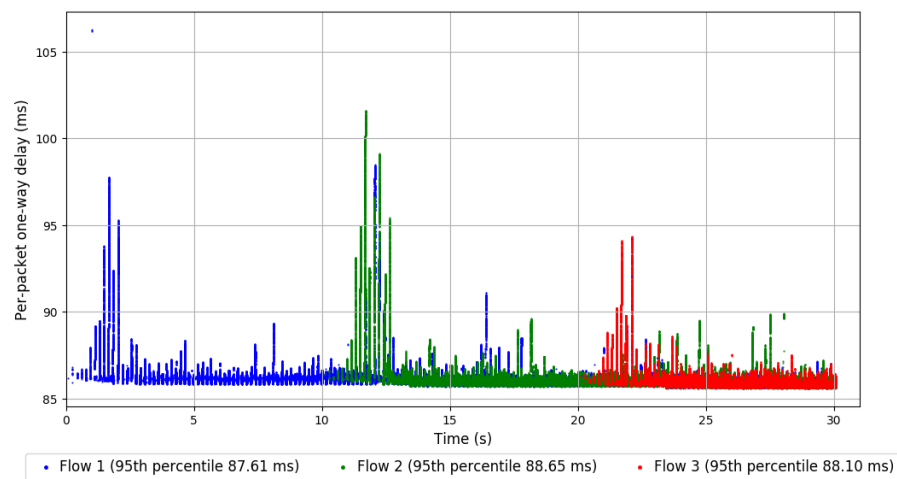
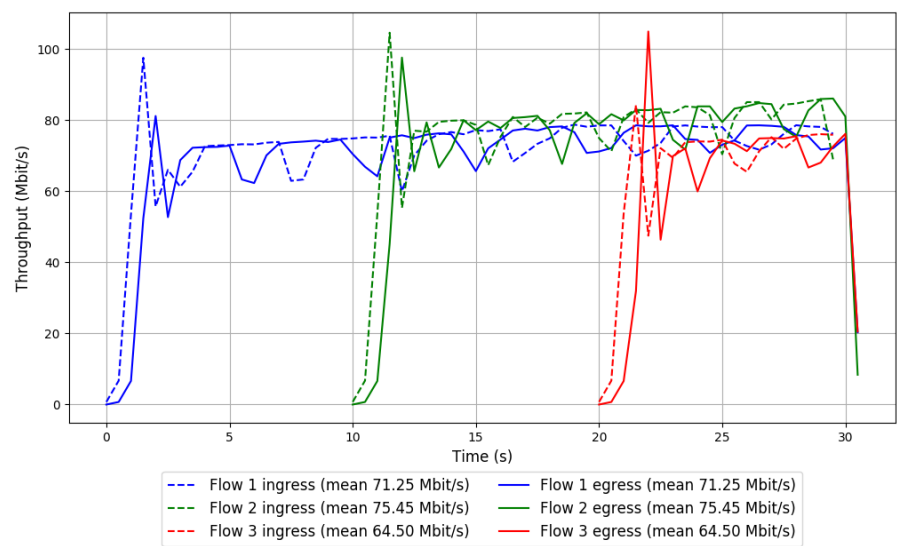


Run 6: Statistics of TCP Vegas

Start at: 2018-07-03 17:07:13
End at: 2018-07-03 17:07:43
Local clock offset: 0.213 ms
Remote clock offset: -0.214 ms

```
# Below is generated by plot.py at 2018-07-03 21:40:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 142.94 Mbit/s
95th percentile per-packet one-way delay: 88.043 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 71.25 Mbit/s
95th percentile per-packet one-way delay: 87.613 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 75.45 Mbit/s
95th percentile per-packet one-way delay: 88.647 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.50 Mbit/s
95th percentile per-packet one-way delay: 88.104 ms
Loss rate: 0.00%
```

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-03 17:32:47

End at: 2018-07-03 17:33:17

Local clock offset: -0.002 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-07-03 21:40:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.39 Mbit/s

95th percentile per-packet one-way delay: 88.682 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 45.88 Mbit/s

95th percentile per-packet one-way delay: 88.068 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 45.50 Mbit/s

95th percentile per-packet one-way delay: 88.324 ms

Loss rate: 0.00%

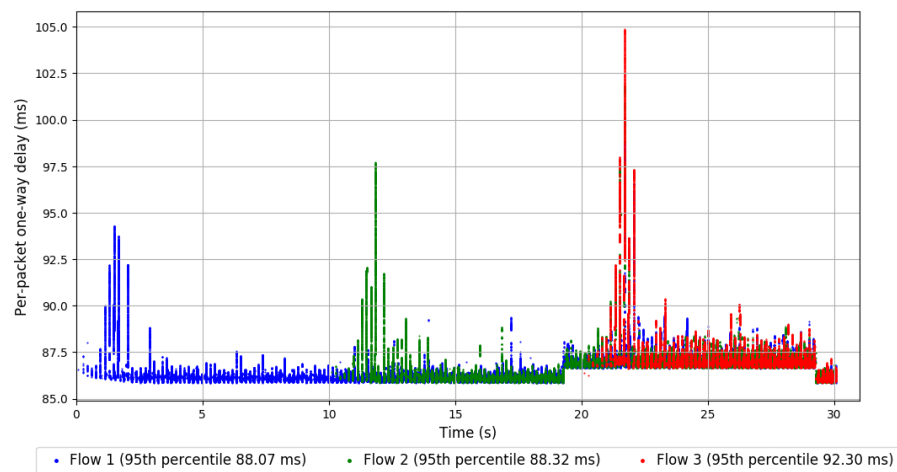
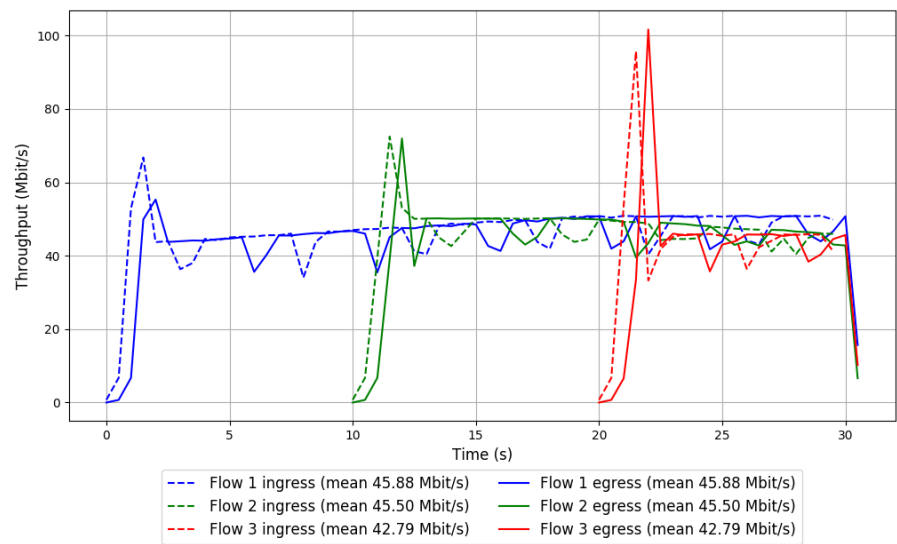
-- Flow 3:

Average throughput: 42.79 Mbit/s

95th percentile per-packet one-way delay: 92.297 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-03 17:58:26

End at: 2018-07-03 17:58:56

Local clock offset: -0.122 ms

Remote clock offset: 0.071 ms

Below is generated by plot.py at 2018-07-03 21:40:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 225.04 Mbit/s

95th percentile per-packet one-way delay: 98.470 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 131.66 Mbit/s

95th percentile per-packet one-way delay: 98.256 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 129.69 Mbit/s

95th percentile per-packet one-way delay: 99.031 ms

Loss rate: 0.00%

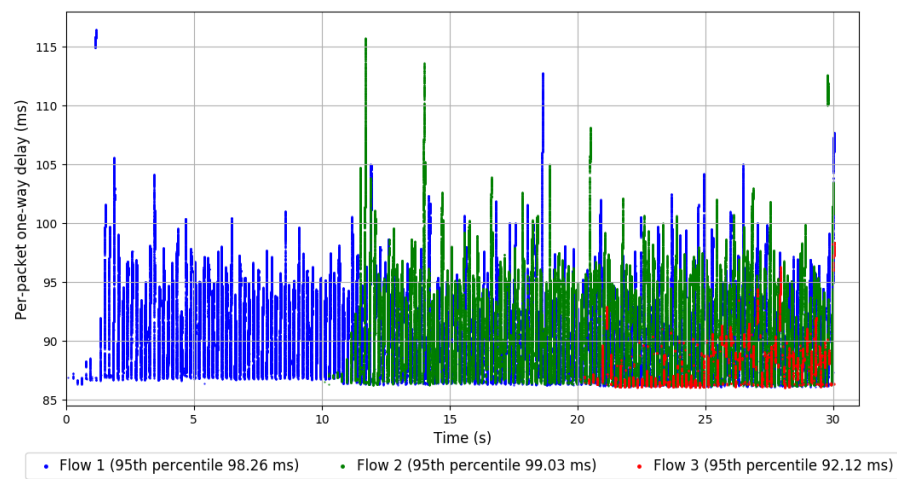
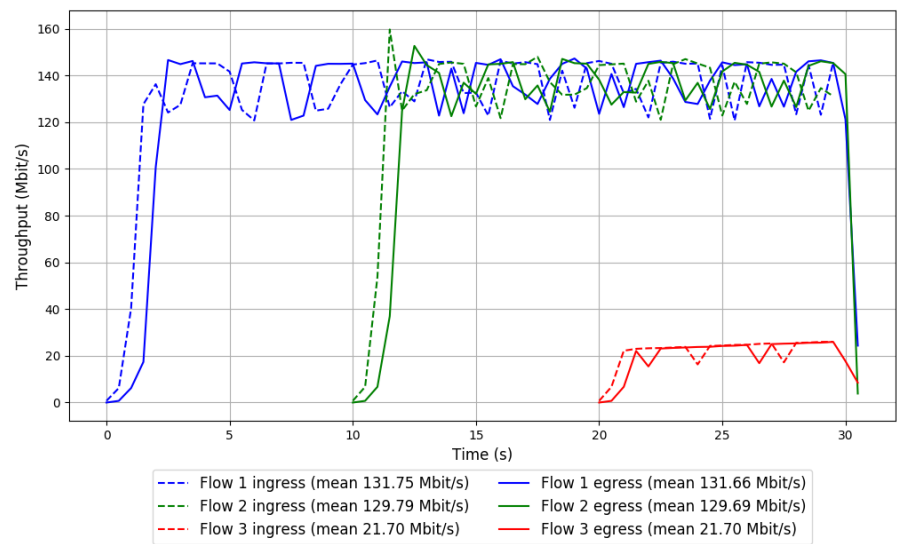
-- Flow 3:

Average throughput: 21.70 Mbit/s

95th percentile per-packet one-way delay: 92.118 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

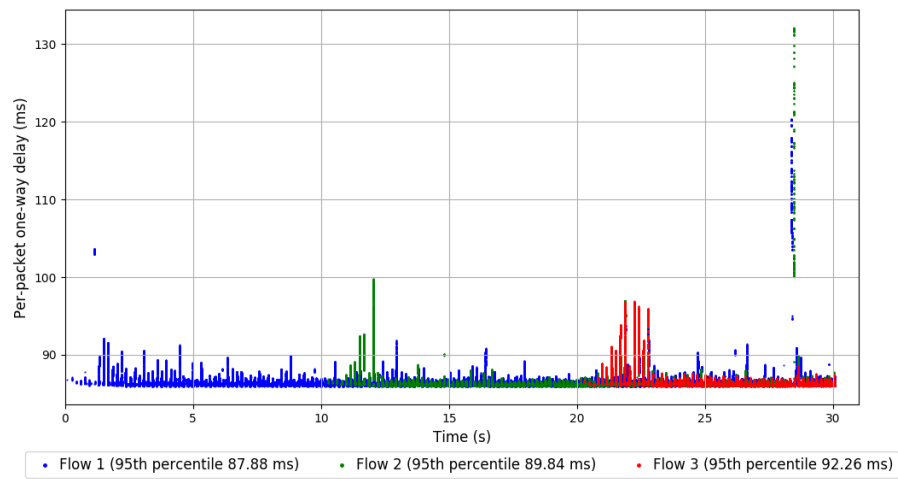
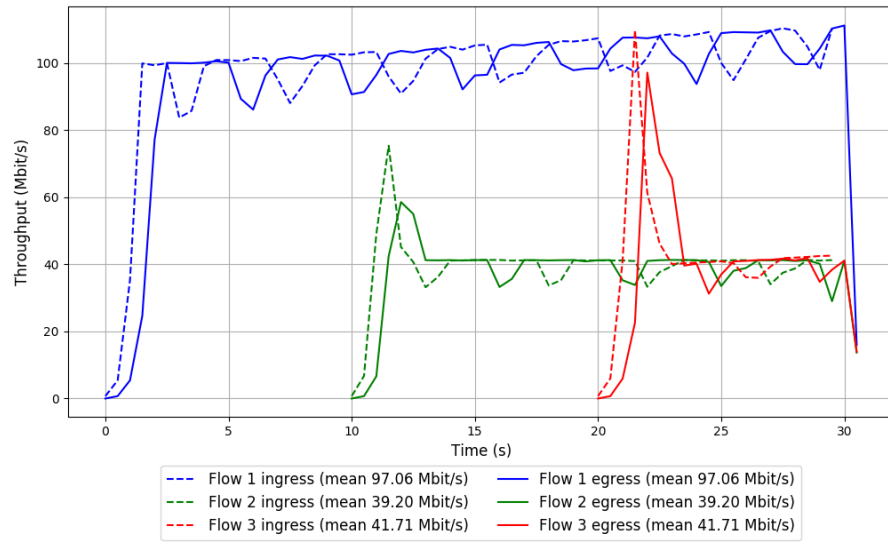


Run 9: Statistics of TCP Vegas

Start at: 2018-07-03 18:24:10
End at: 2018-07-03 18:24:40
Local clock offset: -0.044 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-03 21:40:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 137.03 Mbit/s
95th percentile per-packet one-way delay: 88.573 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 87.884 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.20 Mbit/s
95th percentile per-packet one-way delay: 89.841 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 41.71 Mbit/s
95th percentile per-packet one-way delay: 92.257 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

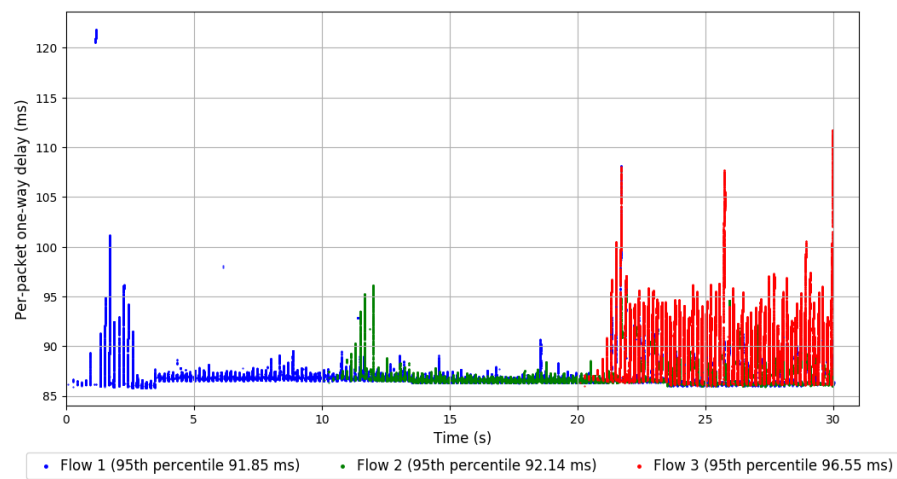
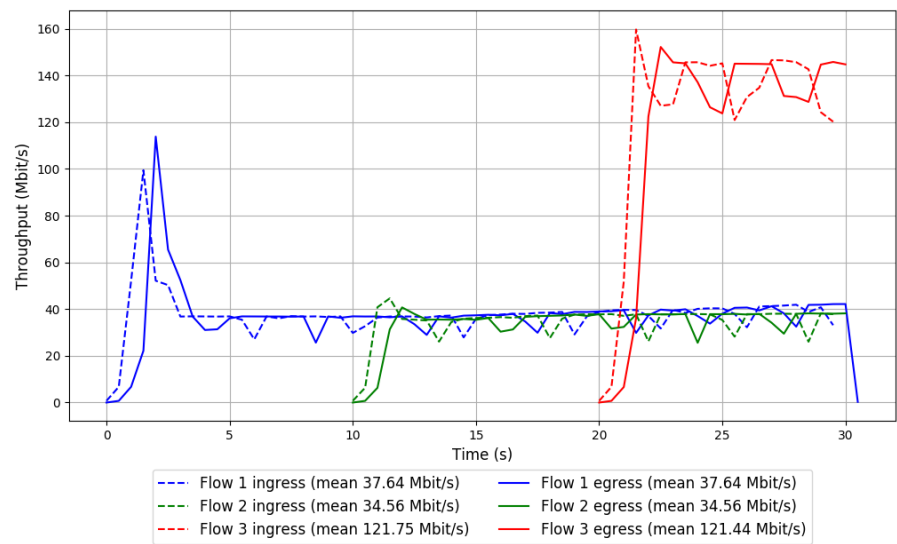


Run 10: Statistics of TCP Vegas

Start at: 2018-07-03 18:49:43
End at: 2018-07-03 18:50:13
Local clock offset: 0.075 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-07-03 21:40:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 100.68 Mbit/s
95th percentile per-packet one-way delay: 94.860 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.64 Mbit/s
95th percentile per-packet one-way delay: 91.853 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.56 Mbit/s
95th percentile per-packet one-way delay: 92.143 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 121.44 Mbit/s
95th percentile per-packet one-way delay: 96.549 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

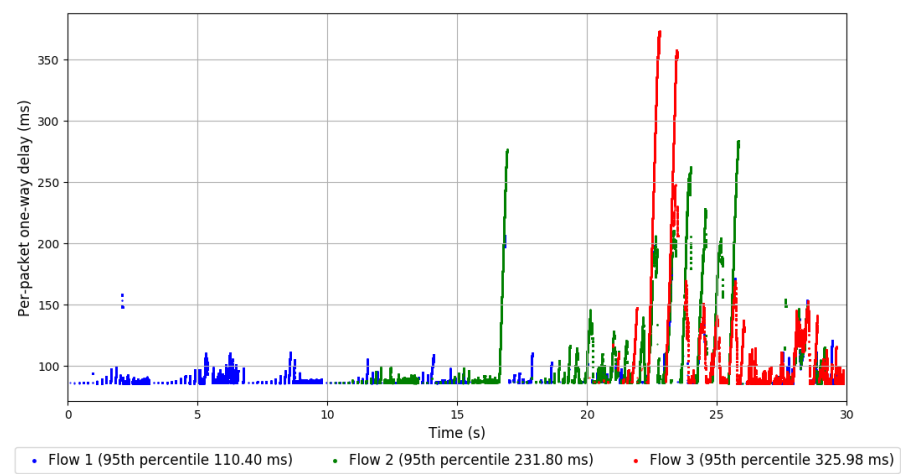
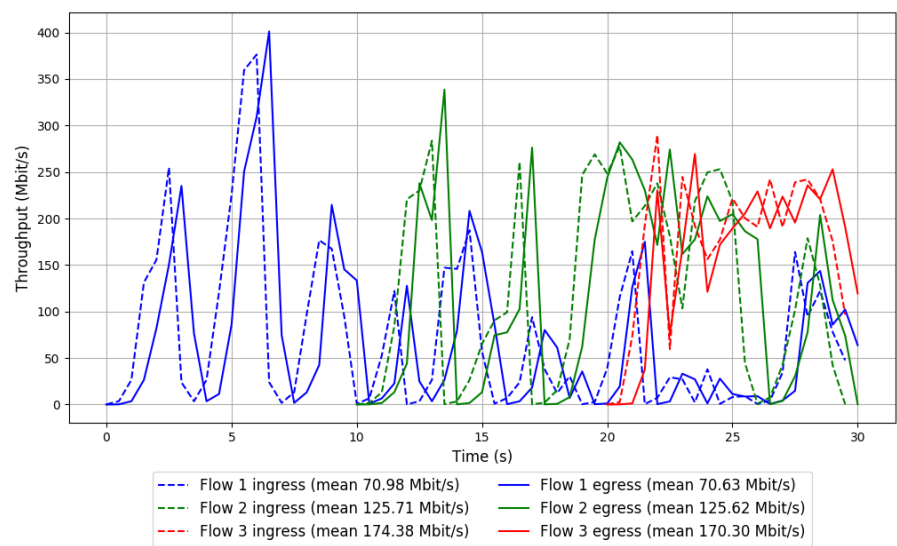


Run 1: Statistics of Verus

Start at: 2018-07-03 15:05:31
End at: 2018-07-03 15:06:01
Local clock offset: 0.153 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-07-03 21:40:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 209.16 Mbit/s
95th percentile per-packet one-way delay: 219.177 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 70.63 Mbit/s
95th percentile per-packet one-way delay: 110.396 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 125.62 Mbit/s
95th percentile per-packet one-way delay: 231.804 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 170.30 Mbit/s
95th percentile per-packet one-way delay: 325.982 ms
Loss rate: 2.38%

Run 1: Report of Verus — Data Link

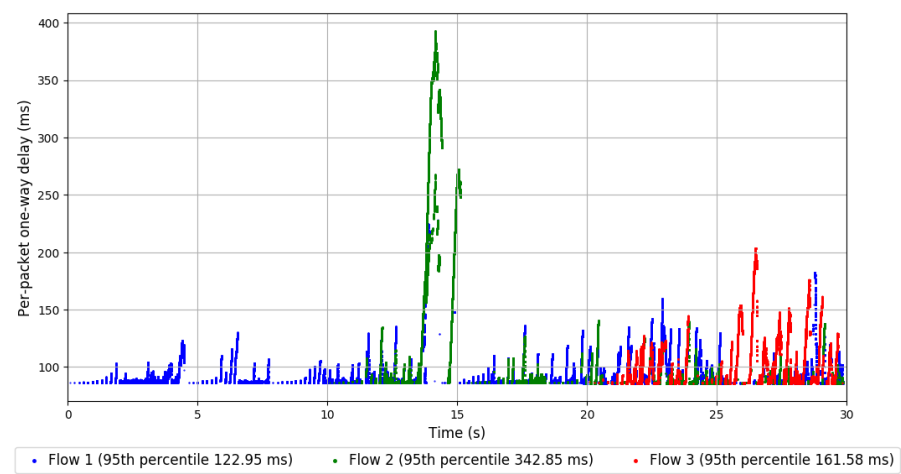
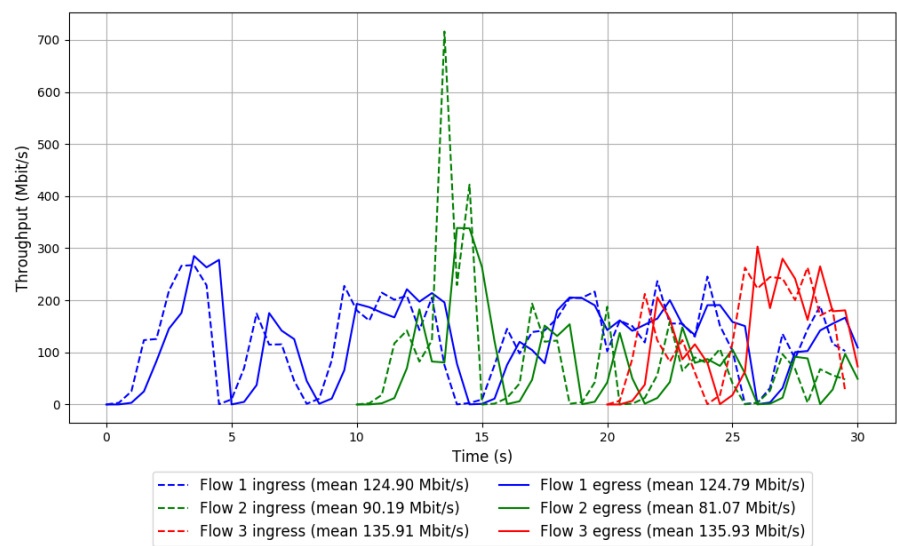


Run 2: Statistics of Verus

Start at: 2018-07-03 15:31:16
End at: 2018-07-03 15:31:46
Local clock offset: 0.25 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-07-03 21:40:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 223.13 Mbit/s
95th percentile per-packet one-way delay: 199.211 ms
Loss rate: 2.69%
-- Flow 1:
Average throughput: 124.79 Mbit/s
95th percentile per-packet one-way delay: 122.948 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 81.07 Mbit/s
95th percentile per-packet one-way delay: 342.851 ms
Loss rate: 10.12%
-- Flow 3:
Average throughput: 135.93 Mbit/s
95th percentile per-packet one-way delay: 161.576 ms
Loss rate: 0.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-03 15:56:59

End at: 2018-07-03 15:57:29

Local clock offset: 0.032 ms

Remote clock offset: -0.0 ms

Below is generated by plot.py at 2018-07-03 21:41:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 279.98 Mbit/s

95th percentile per-packet one-way delay: 228.502 ms

Loss rate: 1.84%

-- Flow 1:

Average throughput: 164.06 Mbit/s

95th percentile per-packet one-way delay: 175.257 ms

Loss rate: 1.06%

-- Flow 2:

Average throughput: 95.43 Mbit/s

95th percentile per-packet one-way delay: 228.916 ms

Loss rate: 1.33%

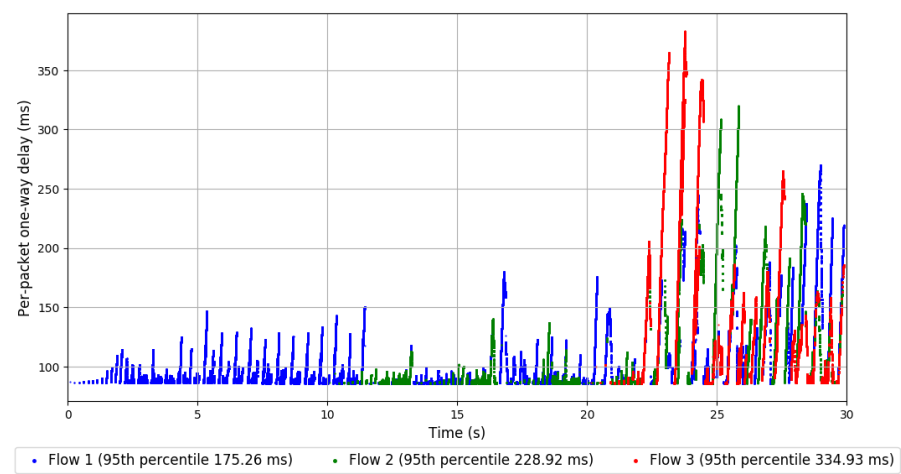
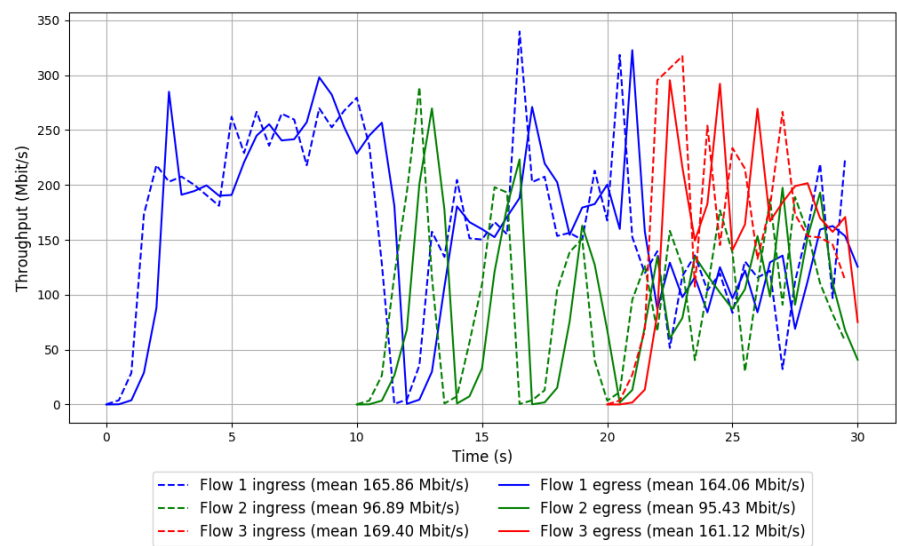
-- Flow 3:

Average throughput: 161.12 Mbit/s

95th percentile per-packet one-way delay: 334.933 ms

Loss rate: 4.76%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-03 16:22:32

End at: 2018-07-03 16:23:02

Local clock offset: -0.02 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2018-07-03 21:41:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 251.46 Mbit/s

95th percentile per-packet one-way delay: 204.106 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 200.52 Mbit/s

95th percentile per-packet one-way delay: 191.778 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 25.74 Mbit/s

95th percentile per-packet one-way delay: 153.657 ms

Loss rate: 1.67%

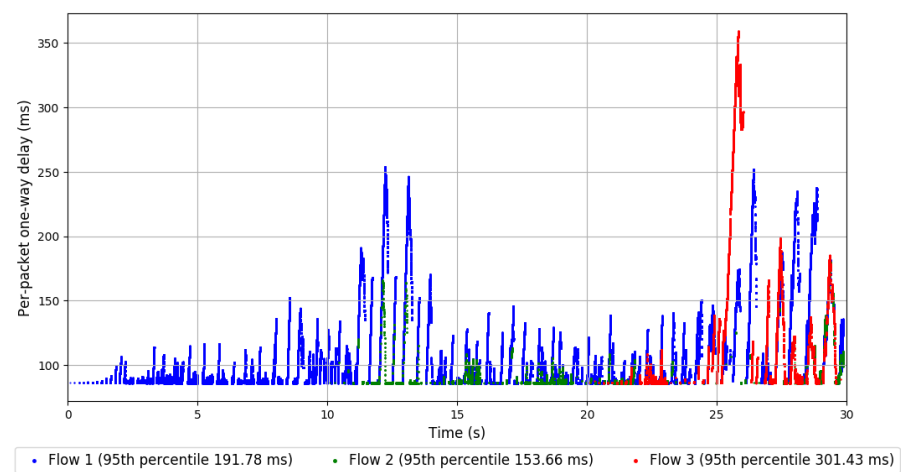
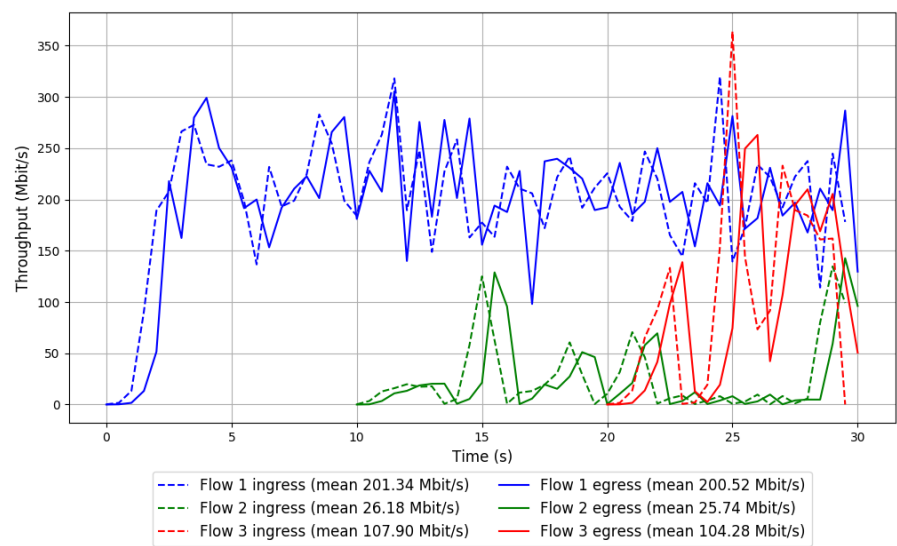
-- Flow 3:

Average throughput: 104.28 Mbit/s

95th percentile per-packet one-way delay: 301.425 ms

Loss rate: 3.33%

Run 4: Report of Verus — Data Link

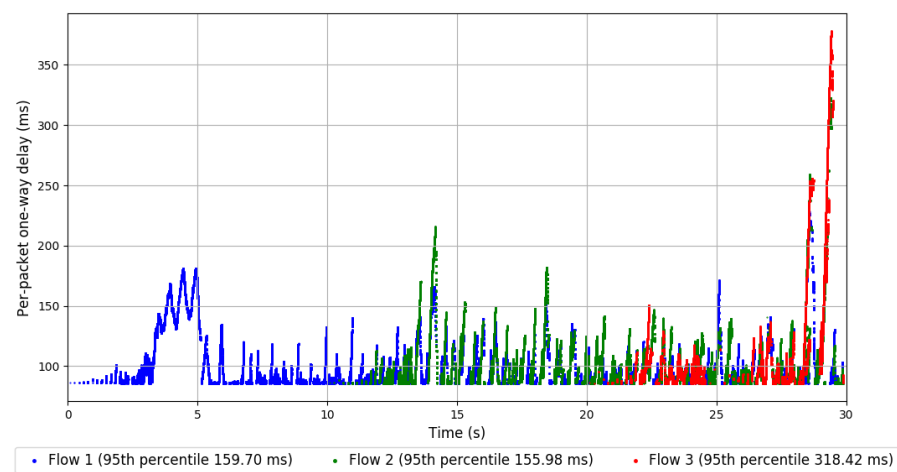
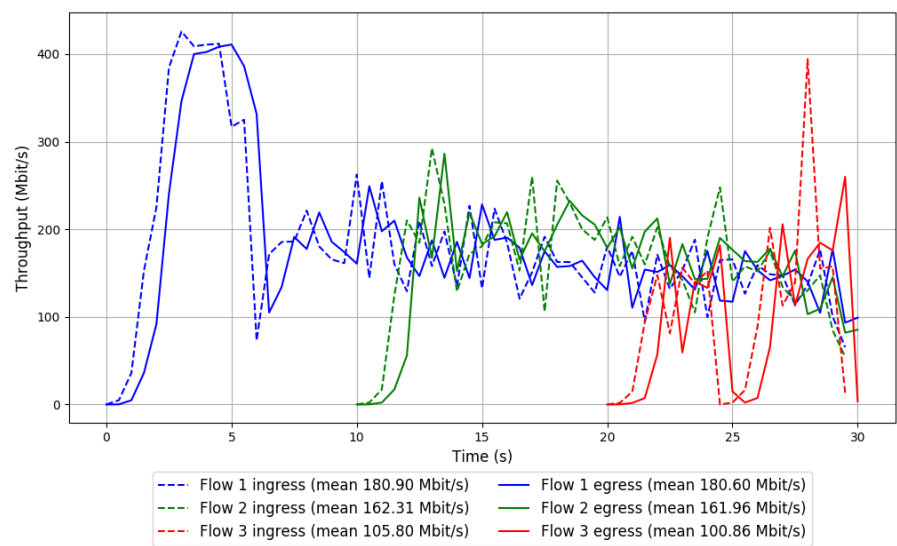


Run 5: Statistics of Verus

Start at: 2018-07-03 16:48:13
End at: 2018-07-03 16:48:43
Local clock offset: 0.06 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-07-03 21:42:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 321.09 Mbit/s
95th percentile per-packet one-way delay: 165.945 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 180.60 Mbit/s
95th percentile per-packet one-way delay: 159.696 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 161.96 Mbit/s
95th percentile per-packet one-way delay: 155.979 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 100.86 Mbit/s
95th percentile per-packet one-way delay: 318.417 ms
Loss rate: 4.71%

Run 5: Report of Verus — Data Link

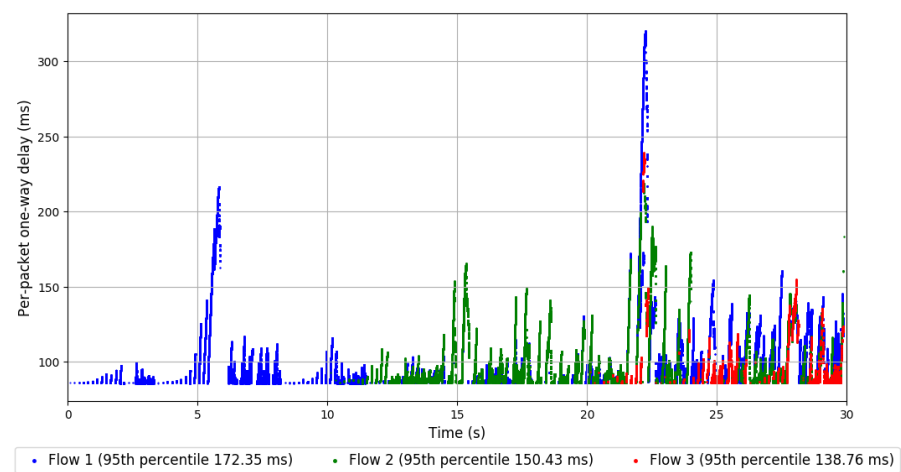
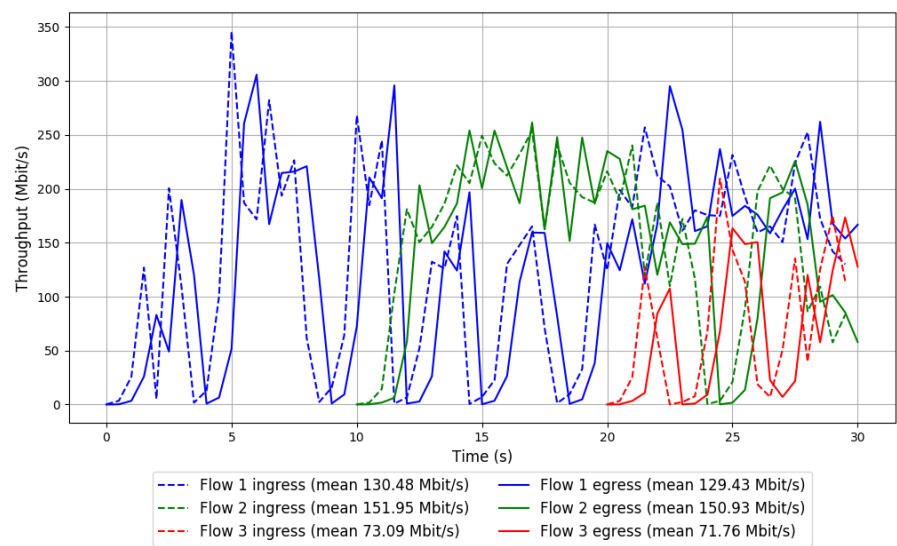


Run 6: Statistics of Verus

Start at: 2018-07-03 17:13:54
End at: 2018-07-03 17:14:24
Local clock offset: 0.208 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-07-03 21:42:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 252.95 Mbit/s
95th percentile per-packet one-way delay: 157.164 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 129.43 Mbit/s
95th percentile per-packet one-way delay: 172.346 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 150.93 Mbit/s
95th percentile per-packet one-way delay: 150.429 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 71.76 Mbit/s
95th percentile per-packet one-way delay: 138.763 ms
Loss rate: 1.90%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-07-03 17:39:25

End at: 2018-07-03 17:39:55

Local clock offset: 0.058 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-03 21:44:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 282.39 Mbit/s

95th percentile per-packet one-way delay: 262.582 ms

Loss rate: 3.05%

-- Flow 1:

Average throughput: 196.93 Mbit/s

95th percentile per-packet one-way delay: 223.528 ms

Loss rate: 1.94%

-- Flow 2:

Average throughput: 118.62 Mbit/s

95th percentile per-packet one-way delay: 320.416 ms

Loss rate: 5.82%

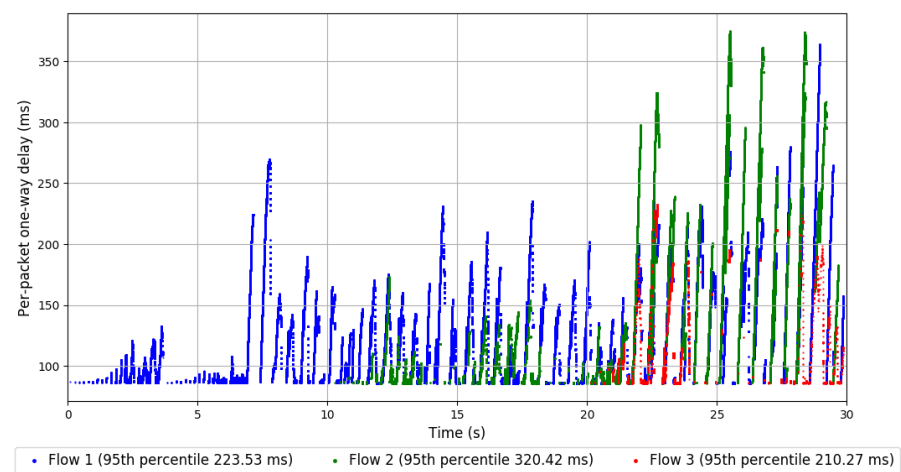
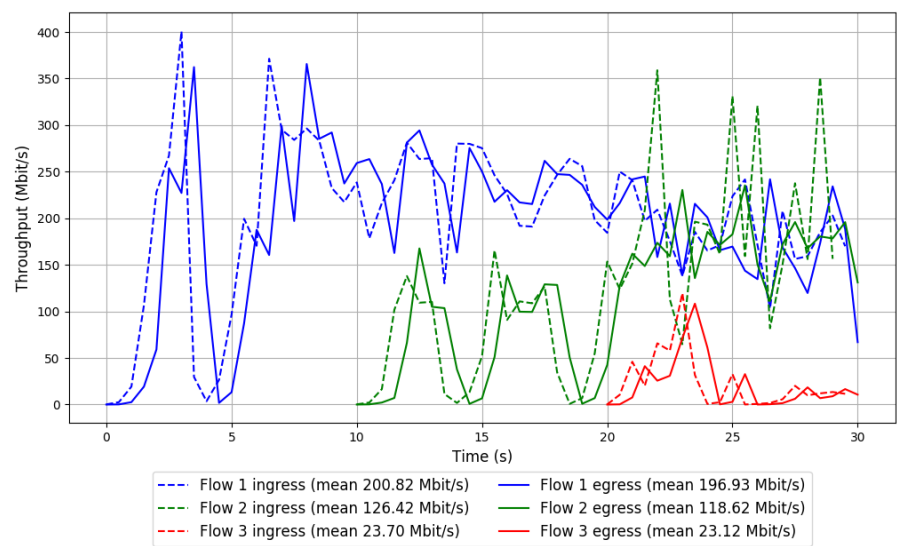
-- Flow 3:

Average throughput: 23.12 Mbit/s

95th percentile per-packet one-way delay: 210.269 ms

Loss rate: 2.40%

Run 7: Report of Verus — Data Link

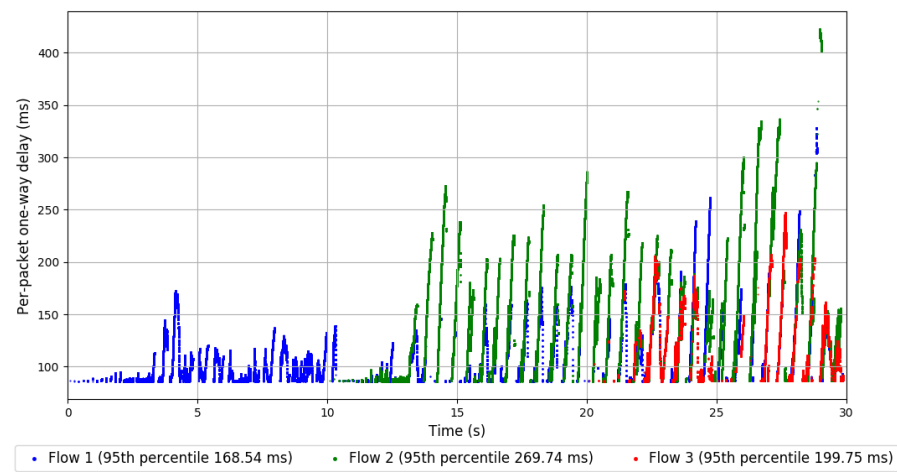
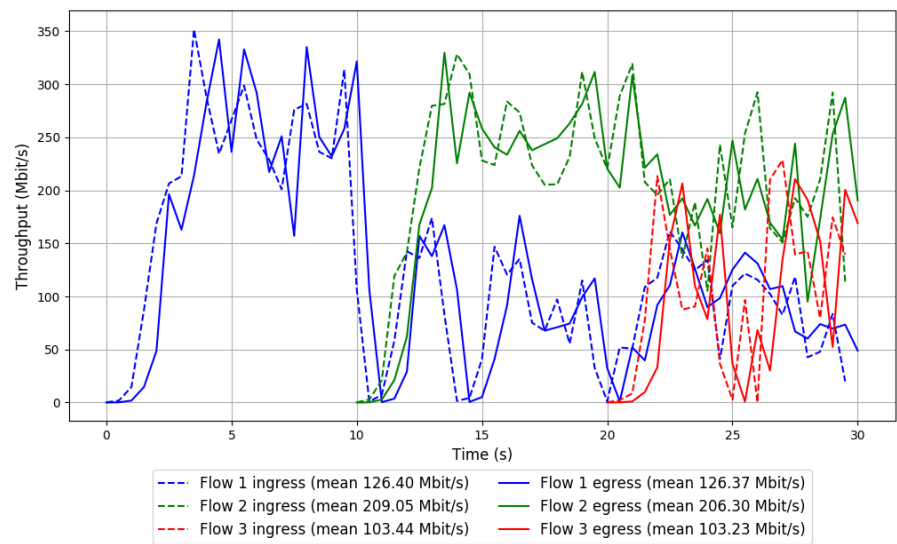


Run 8: Statistics of Verus

Start at: 2018-07-03 18:05:12
End at: 2018-07-03 18:05:42
Local clock offset: -0.004 ms
Remote clock offset: 0.051 ms

Below is generated by plot.py at 2018-07-03 21:44:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 297.18 Mbit/s
95th percentile per-packet one-way delay: 237.292 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 126.37 Mbit/s
95th percentile per-packet one-way delay: 168.537 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 206.30 Mbit/s
95th percentile per-packet one-way delay: 269.744 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 103.23 Mbit/s
95th percentile per-packet one-way delay: 199.747 ms
Loss rate: 0.21%

Run 8: Report of Verus — Data Link

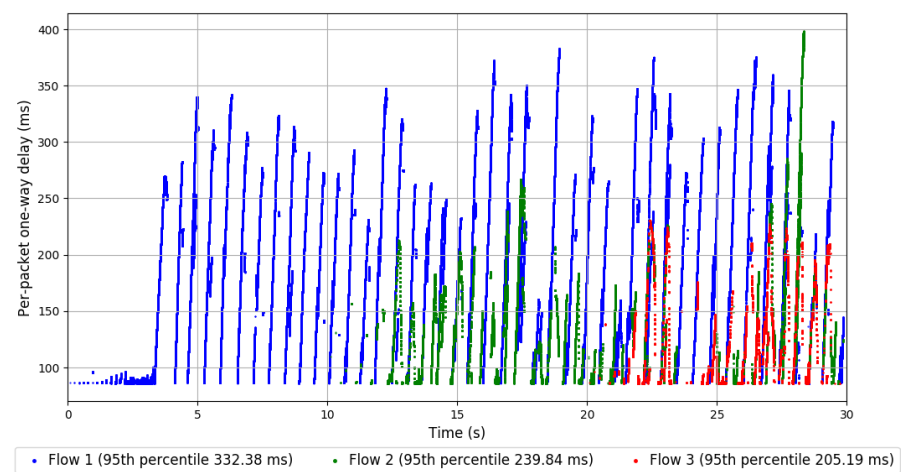
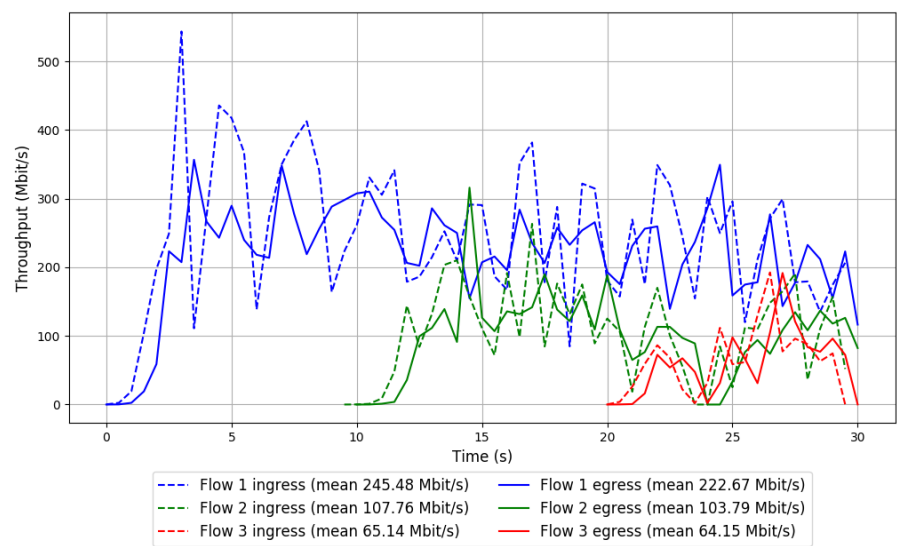


Run 9: Statistics of Verus

Start at: 2018-07-03 18:30:55
End at: 2018-07-03 18:31:25
Local clock offset: 0.131 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-03 21:45:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 312.25 Mbit/s
95th percentile per-packet one-way delay: 323.405 ms
Loss rate: 7.64%
-- Flow 1:
Average throughput: 222.67 Mbit/s
95th percentile per-packet one-way delay: 332.385 ms
Loss rate: 9.29%
-- Flow 2:
Average throughput: 103.79 Mbit/s
95th percentile per-packet one-way delay: 239.839 ms
Loss rate: 3.80%
-- Flow 3:
Average throughput: 64.15 Mbit/s
95th percentile per-packet one-way delay: 205.191 ms
Loss rate: 1.52%

Run 9: Report of Verus — Data Link

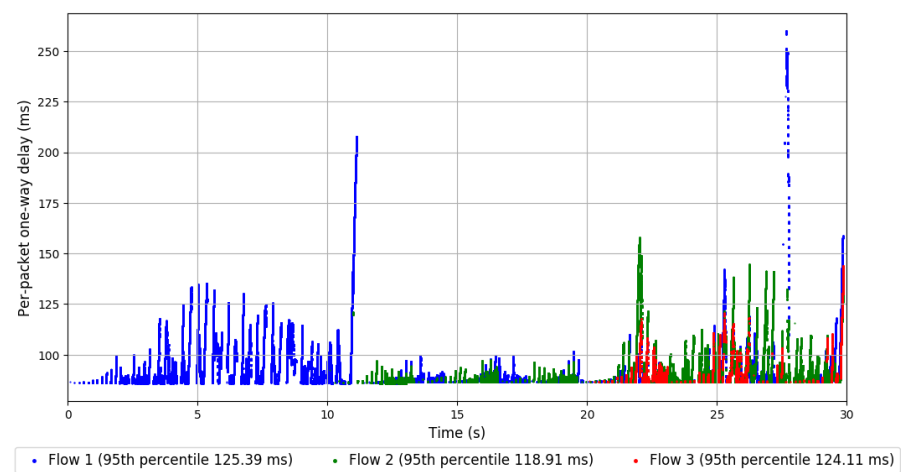
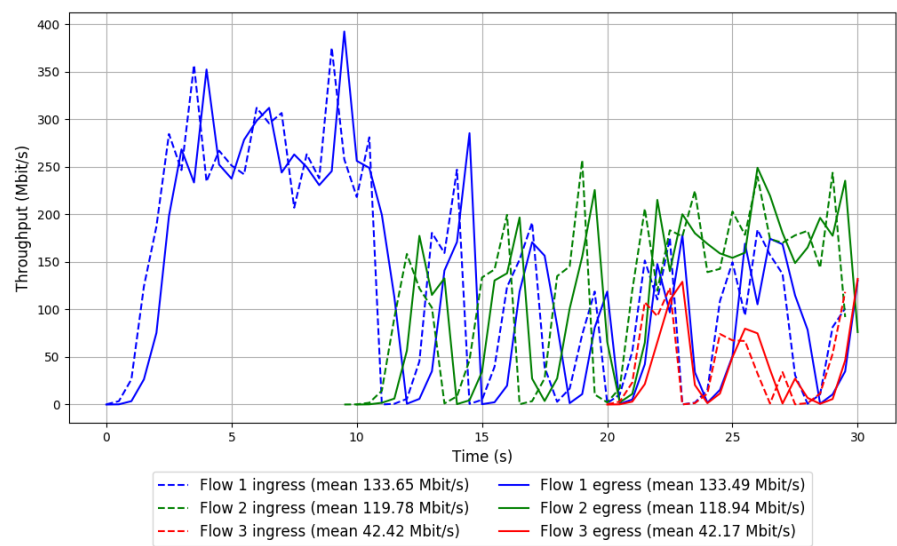


Run 10: Statistics of Verus

Start at: 2018-07-03 18:56:23
End at: 2018-07-03 18:56:53
Local clock offset: 0.021 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-03 21:45:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 226.19 Mbit/s
95th percentile per-packet one-way delay: 123.120 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 133.49 Mbit/s
95th percentile per-packet one-way delay: 125.394 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 118.94 Mbit/s
95th percentile per-packet one-way delay: 118.907 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 42.17 Mbit/s
95th percentile per-packet one-way delay: 124.114 ms
Loss rate: 0.00%

Run 10: Report of Verus — Data Link

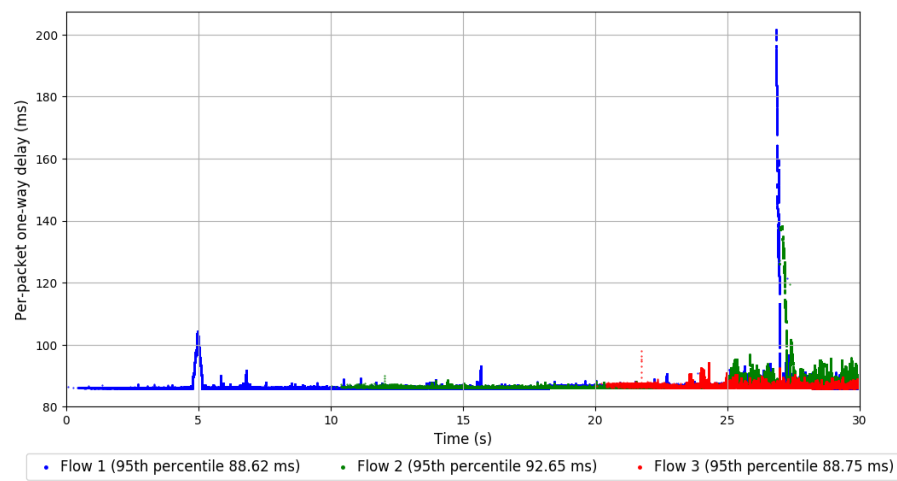
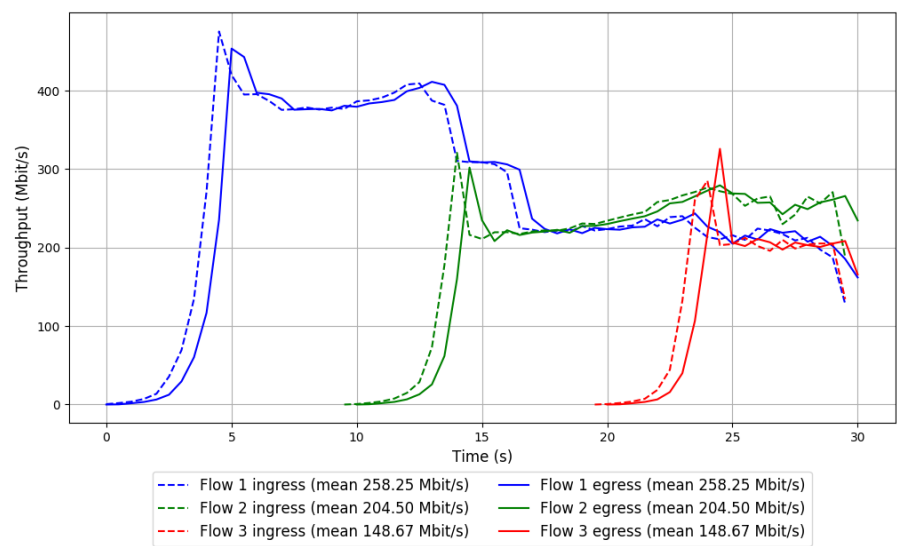


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-03 15:08:08
End at: 2018-07-03 15:08:38
Local clock offset: -0.005 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-07-03 21:48:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 443.64 Mbit/s
95th percentile per-packet one-way delay: 90.427 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 258.25 Mbit/s
95th percentile per-packet one-way delay: 88.625 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 204.50 Mbit/s
95th percentile per-packet one-way delay: 92.653 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 148.67 Mbit/s
95th percentile per-packet one-way delay: 88.752 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

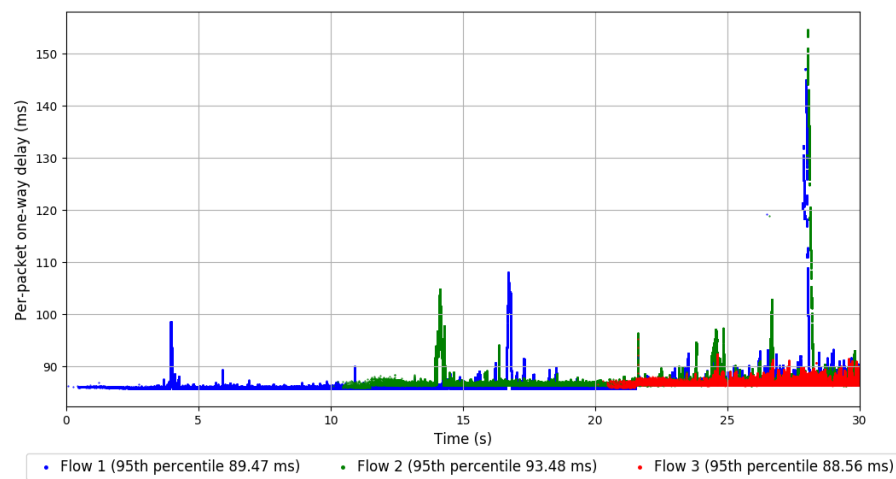
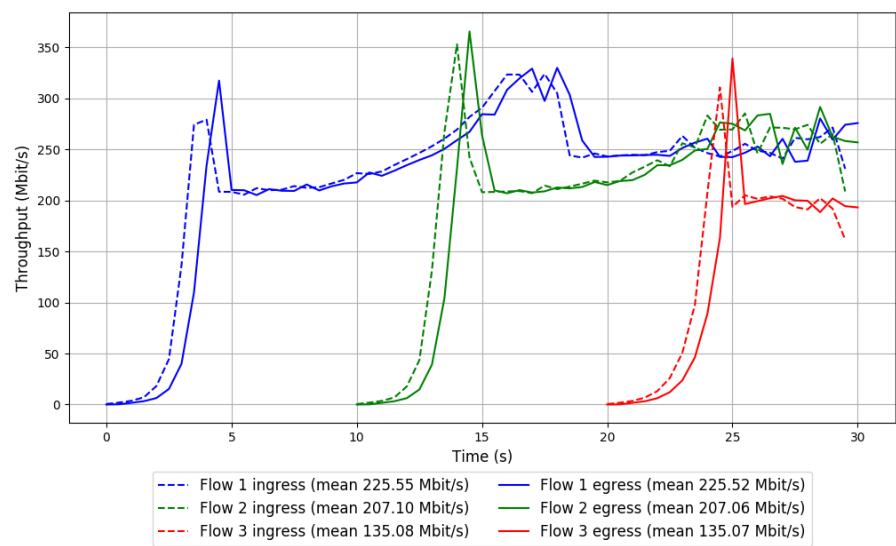


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-03 15:33:55
End at: 2018-07-03 15:34:25
Local clock offset: 0.064 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-07-03 21:48:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 407.81 Mbit/s
95th percentile per-packet one-way delay: 90.177 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 225.52 Mbit/s
95th percentile per-packet one-way delay: 89.472 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 207.06 Mbit/s
95th percentile per-packet one-way delay: 93.485 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 135.07 Mbit/s
95th percentile per-packet one-way delay: 88.565 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

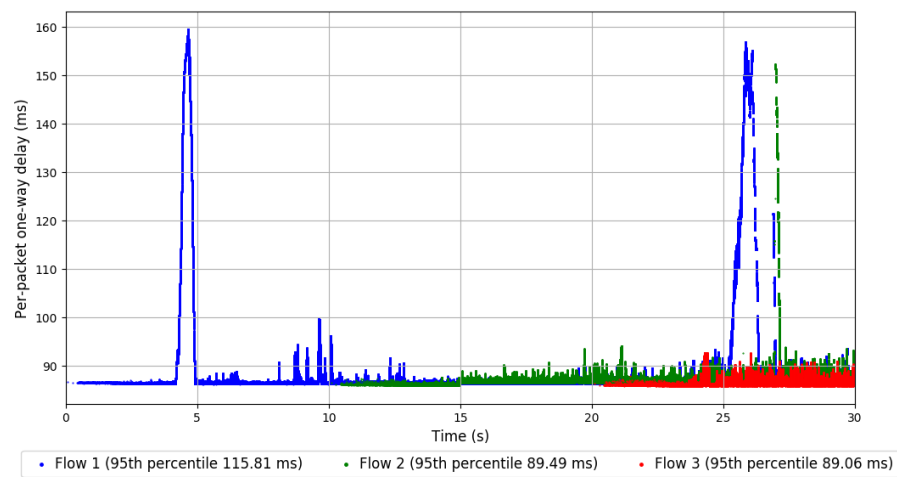
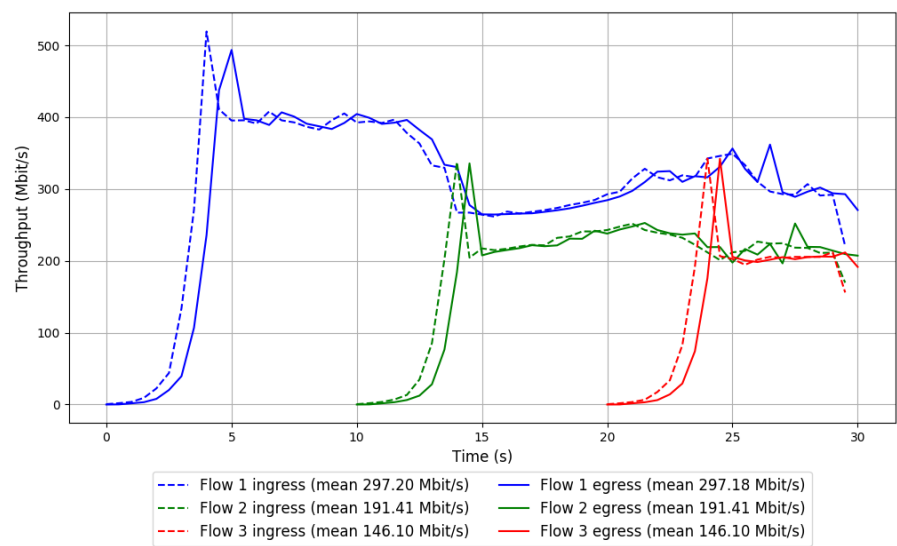


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-03 15:59:41
End at: 2018-07-03 16:00:11
Local clock offset: 0.019 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-03 21:51:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 472.68 Mbit/s
95th percentile per-packet one-way delay: 96.384 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 297.18 Mbit/s
95th percentile per-packet one-way delay: 115.807 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 191.41 Mbit/s
95th percentile per-packet one-way delay: 89.489 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 146.10 Mbit/s
95th percentile per-packet one-way delay: 89.056 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-03 16:25:12

End at: 2018-07-03 16:25:42

Local clock offset: -0.094 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2018-07-03 21:51:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 450.60 Mbit/s

95th percentile per-packet one-way delay: 157.001 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 271.68 Mbit/s

95th percentile per-packet one-way delay: 170.556 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 194.13 Mbit/s

95th percentile per-packet one-way delay: 89.373 ms

Loss rate: 0.00%

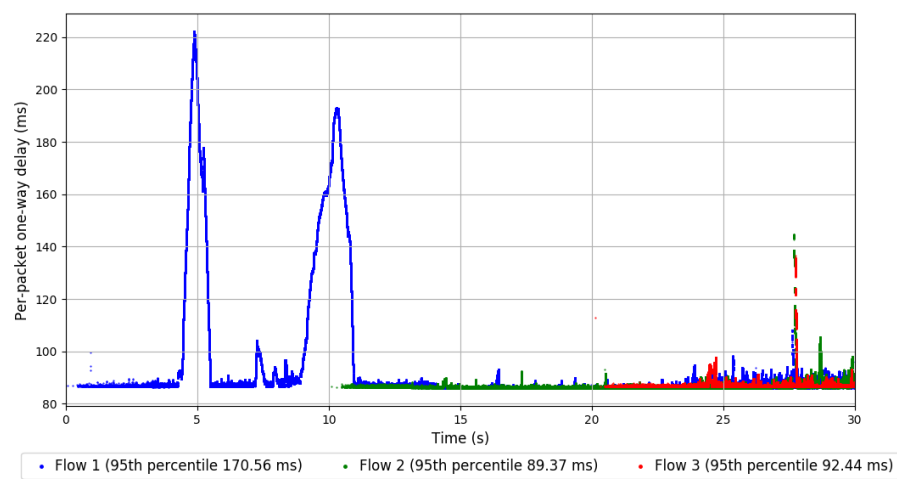
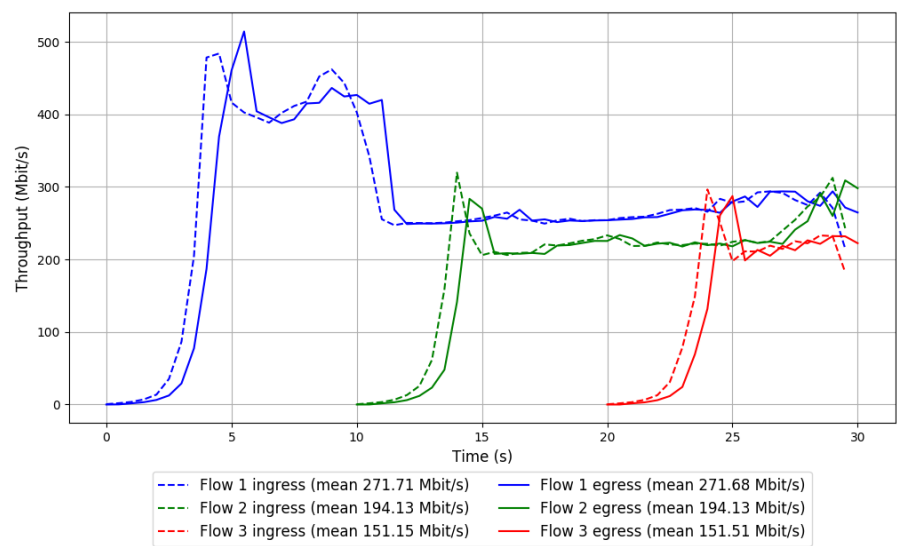
-- Flow 3:

Average throughput: 151.51 Mbit/s

95th percentile per-packet one-way delay: 92.445 ms

Loss rate: 0.03%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-03 16:50:58

End at: 2018-07-03 16:51:28

Local clock offset: -0.01 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-07-03 21:51:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 388.15 Mbit/s

95th percentile per-packet one-way delay: 90.786 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 201.83 Mbit/s

95th percentile per-packet one-way delay: 90.429 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 202.50 Mbit/s

95th percentile per-packet one-way delay: 90.988 ms

Loss rate: 0.00%

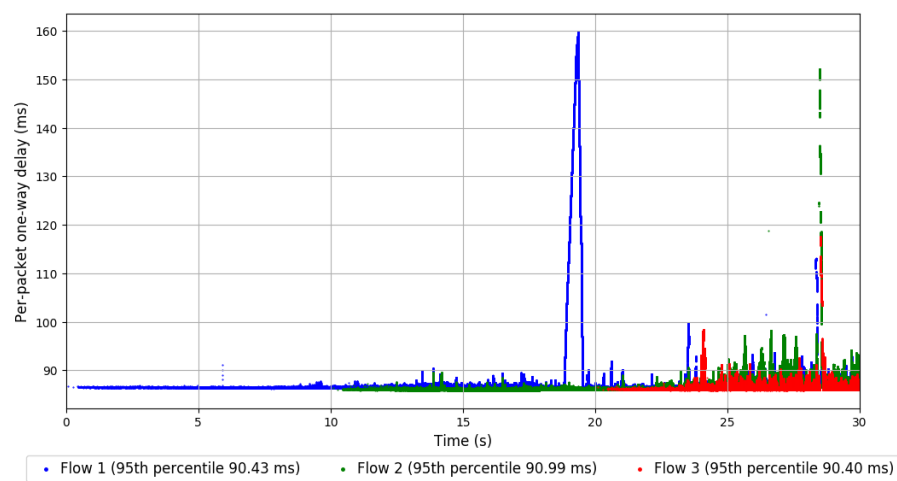
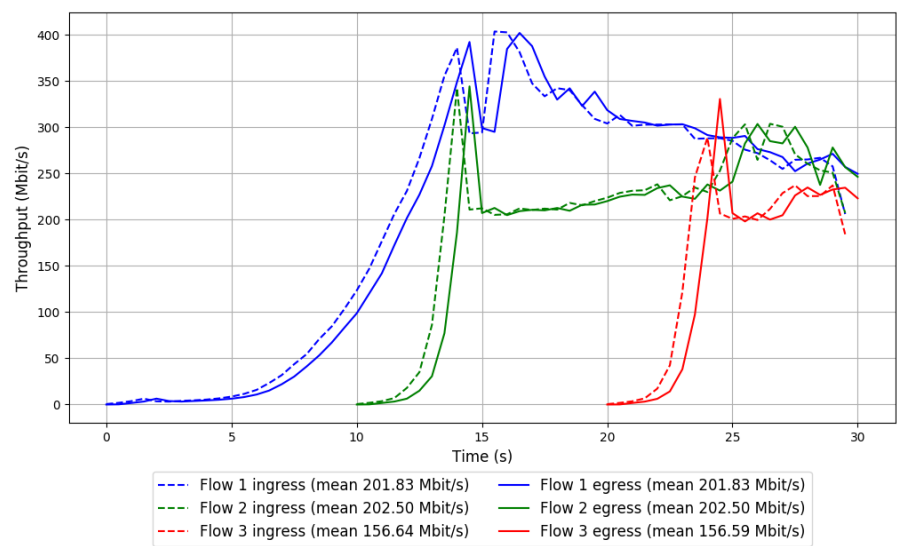
-- Flow 3:

Average throughput: 156.59 Mbit/s

95th percentile per-packet one-way delay: 90.403 ms

Loss rate: 0.02%

Run 5: Report of PCC-Vivace — Data Link

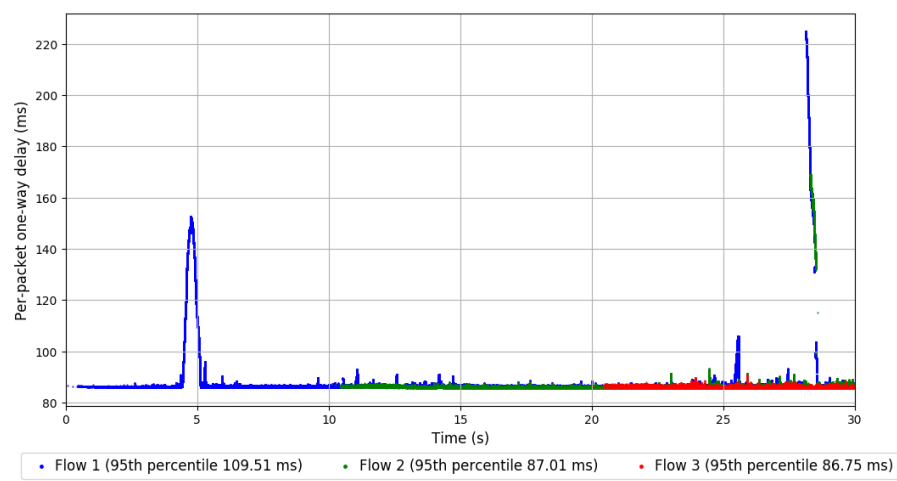
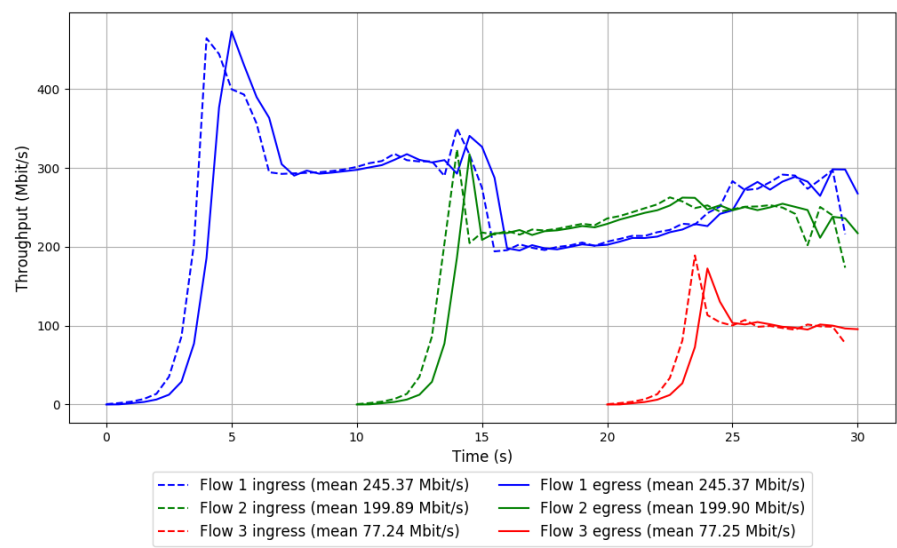


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-03 17:16:35
End at: 2018-07-03 17:17:05
Local clock offset: 0.116 ms
Remote clock offset: -0.043 ms

```
# Below is generated by plot.py at 2018-07-03 21:52:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 403.81 Mbit/s
95th percentile per-packet one-way delay: 91.140 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 245.37 Mbit/s
95th percentile per-packet one-way delay: 109.509 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 199.90 Mbit/s
95th percentile per-packet one-way delay: 87.009 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 77.25 Mbit/s
95th percentile per-packet one-way delay: 86.748 ms
Loss rate: 0.00%
```

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-03 17:42:07

End at: 2018-07-03 17:42:37

Local clock offset: -0.188 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-03 21:52:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 439.10 Mbit/s

95th percentile per-packet one-way delay: 93.711 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 286.83 Mbit/s

95th percentile per-packet one-way delay: 122.397 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 188.93 Mbit/s

95th percentile per-packet one-way delay: 88.889 ms

Loss rate: 0.01%

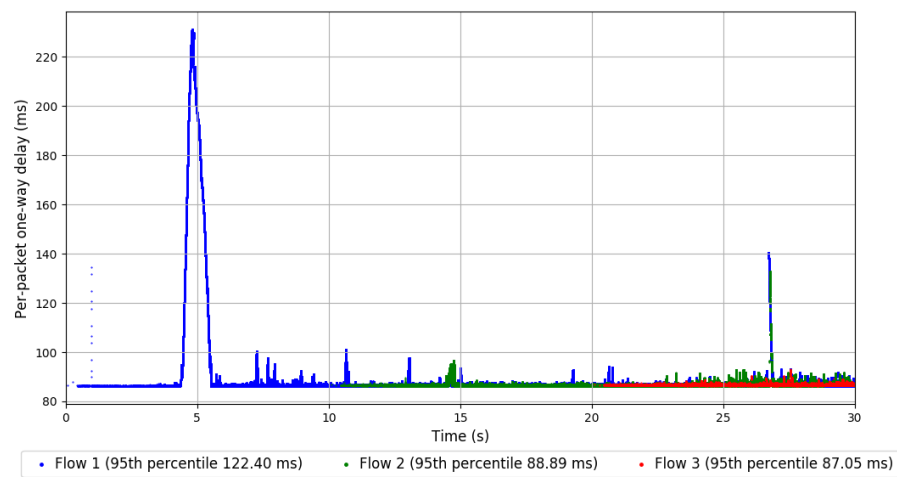
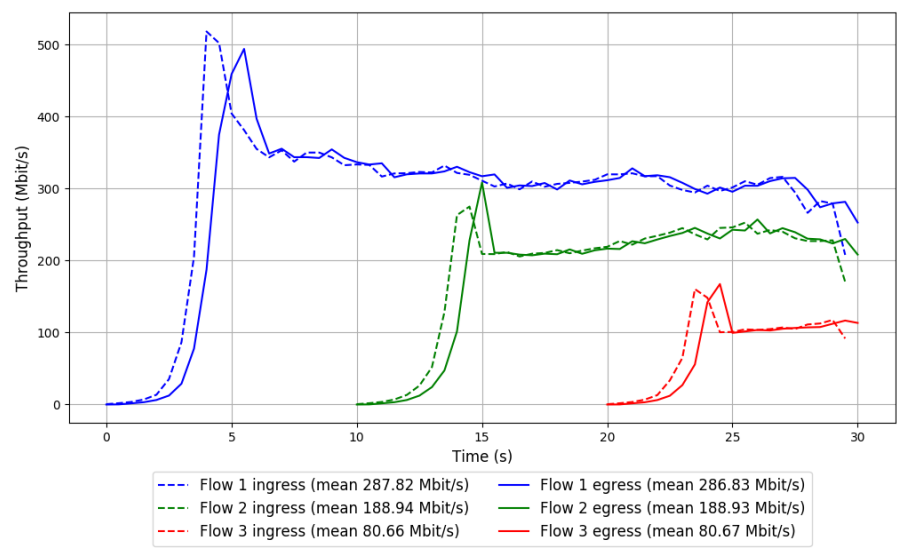
-- Flow 3:

Average throughput: 80.67 Mbit/s

95th percentile per-packet one-way delay: 87.045 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-03 18:07:56

End at: 2018-07-03 18:08:26

Local clock offset: -0.05 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-07-03 21:52:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 419.14 Mbit/s

95th percentile per-packet one-way delay: 92.186 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 237.17 Mbit/s

95th percentile per-packet one-way delay: 96.887 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 197.74 Mbit/s

95th percentile per-packet one-way delay: 88.816 ms

Loss rate: 0.00%

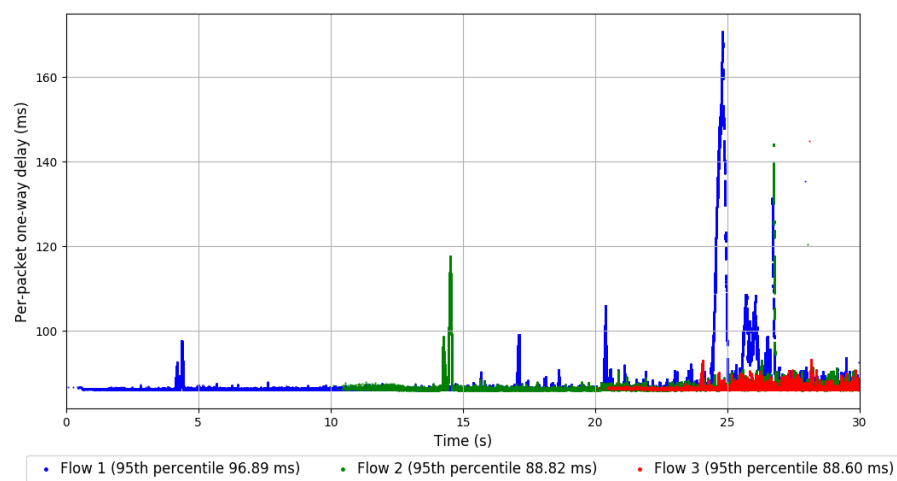
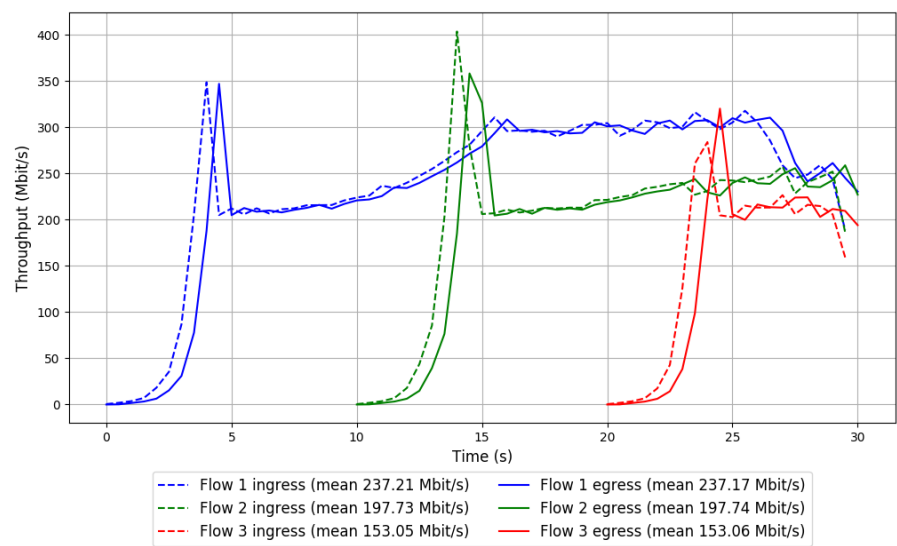
-- Flow 3:

Average throughput: 153.06 Mbit/s

95th percentile per-packet one-way delay: 88.600 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-03 18:33:40

End at: 2018-07-03 18:34:10

Local clock offset: 0.057 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-03 21:53:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 464.54 Mbit/s

95th percentile per-packet one-way delay: 128.940 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 268.05 Mbit/s

95th percentile per-packet one-way delay: 148.005 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 225.98 Mbit/s

95th percentile per-packet one-way delay: 99.464 ms

Loss rate: 0.02%

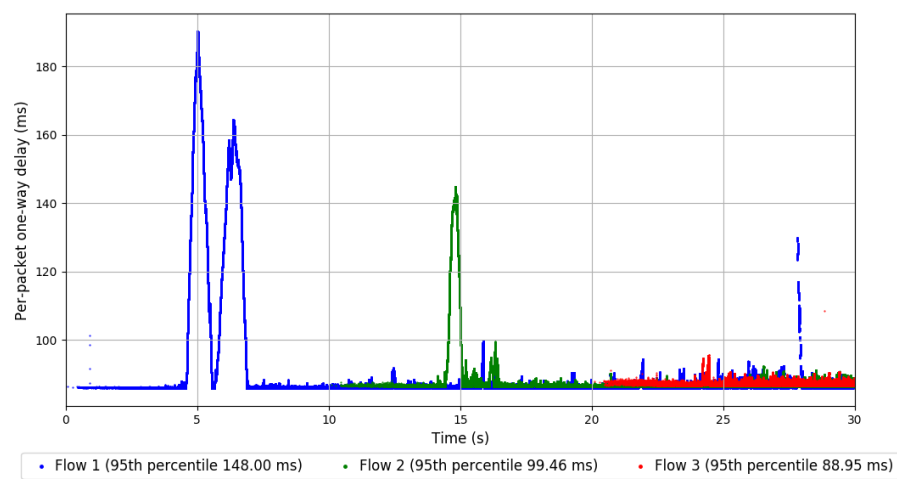
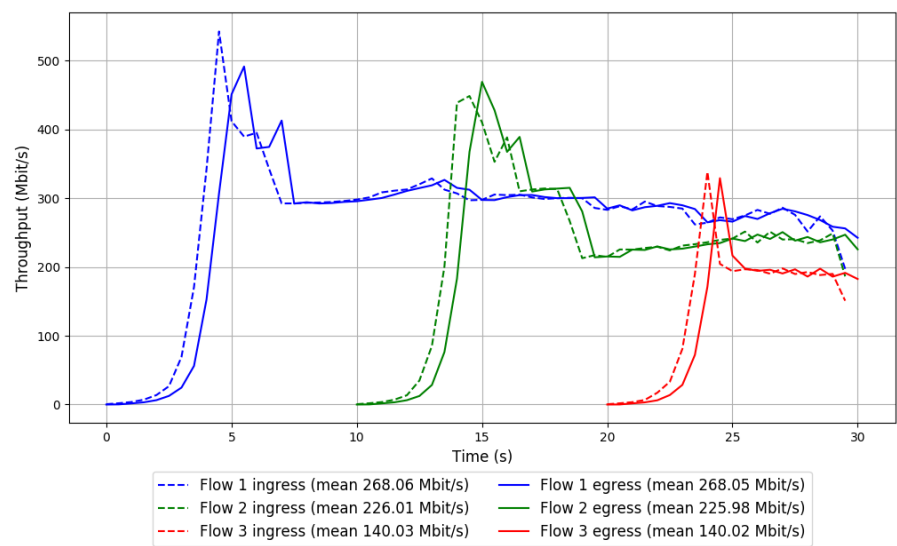
-- Flow 3:

Average throughput: 140.02 Mbit/s

95th percentile per-packet one-way delay: 88.951 ms

Loss rate: 0.02%

Run 9: Report of PCC-Vivace — Data Link

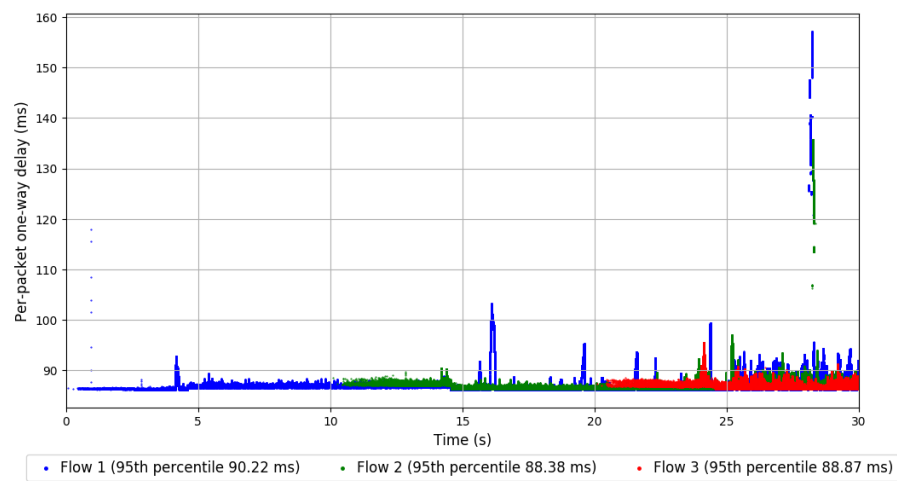
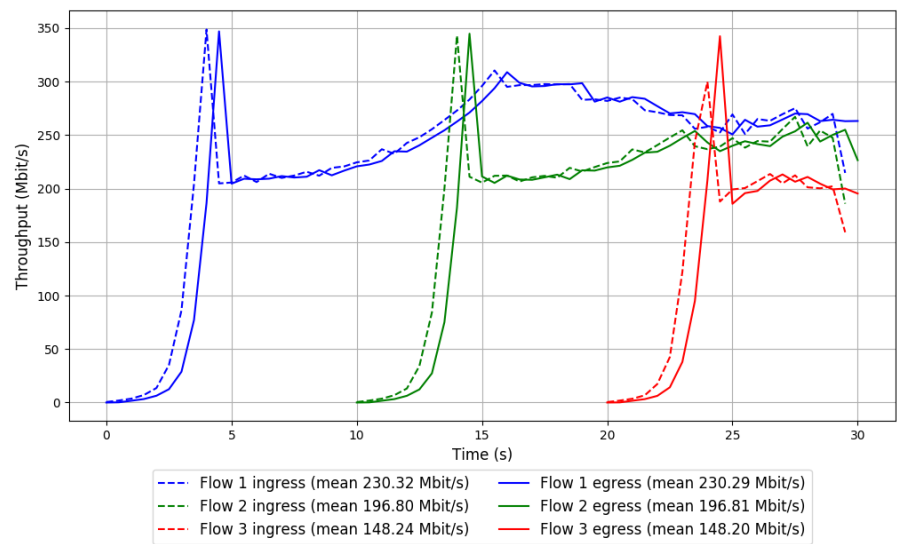


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-03 18:59:02
End at: 2018-07-03 18:59:32
Local clock offset: -0.286 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-03 21:53:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 410.09 Mbit/s
95th percentile per-packet one-way delay: 89.365 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 230.29 Mbit/s
95th percentile per-packet one-way delay: 90.223 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 196.81 Mbit/s
95th percentile per-packet one-way delay: 88.384 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 148.20 Mbit/s
95th percentile per-packet one-way delay: 88.870 ms
Loss rate: 0.04%

Run 10: Report of PCC-Vivace — Data Link

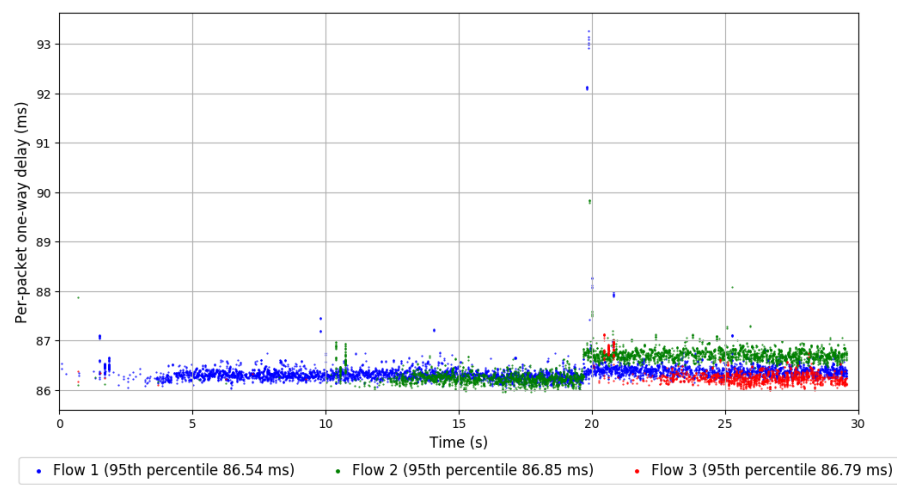
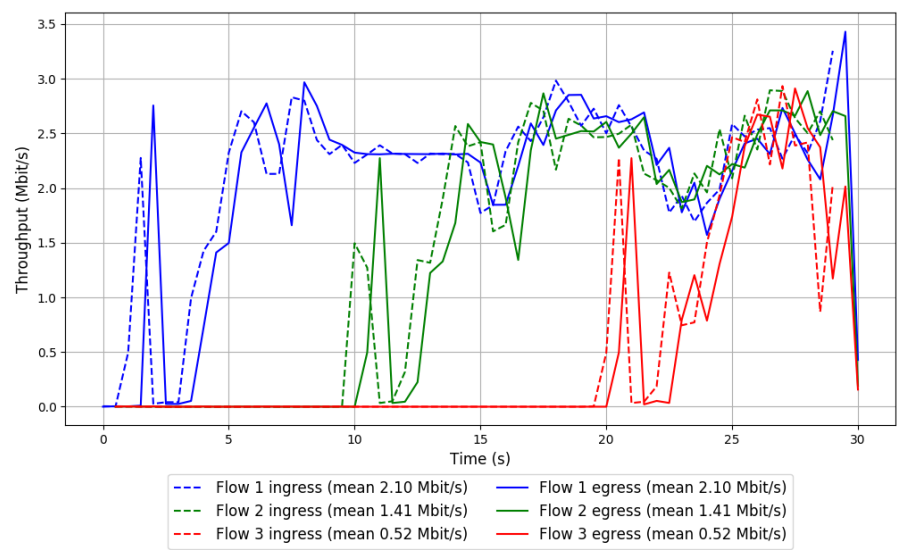


Run 1: Statistics of WebRTC media

Start at: 2018-07-03 14:52:56
End at: 2018-07-03 14:53:26
Local clock offset: -0.091 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-07-03 21:53:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.99 Mbit/s
95th percentile per-packet one-way delay: 86.799 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 86.541 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.41 Mbit/s
95th percentile per-packet one-way delay: 86.853 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 86.791 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

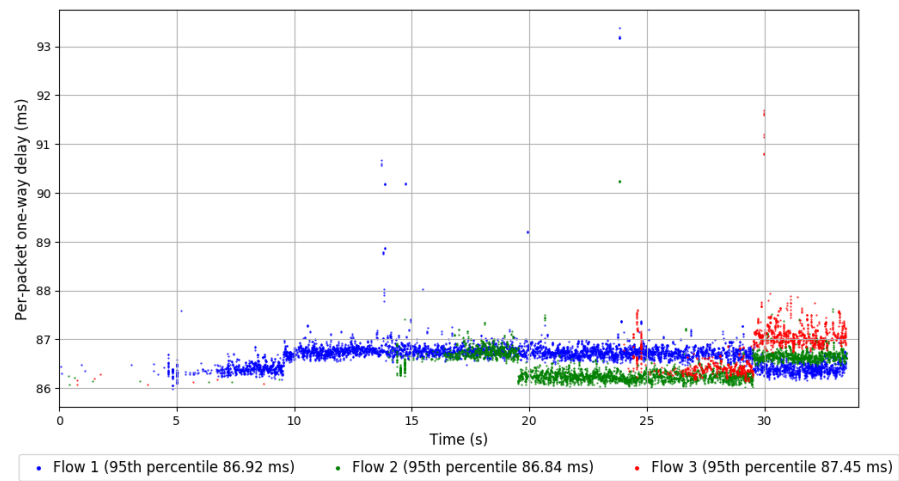
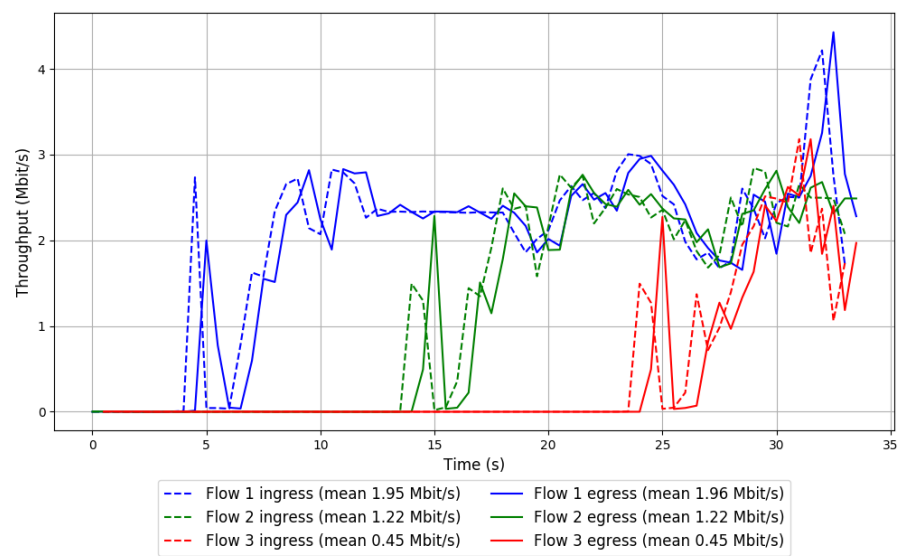


Run 2: Statistics of WebRTC media

Start at: 2018-07-03 15:18:40
End at: 2018-07-03 15:19:10
Local clock offset: 0.027 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-07-03 21:53:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 87.065 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 86.916 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 86.844 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 87.446 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

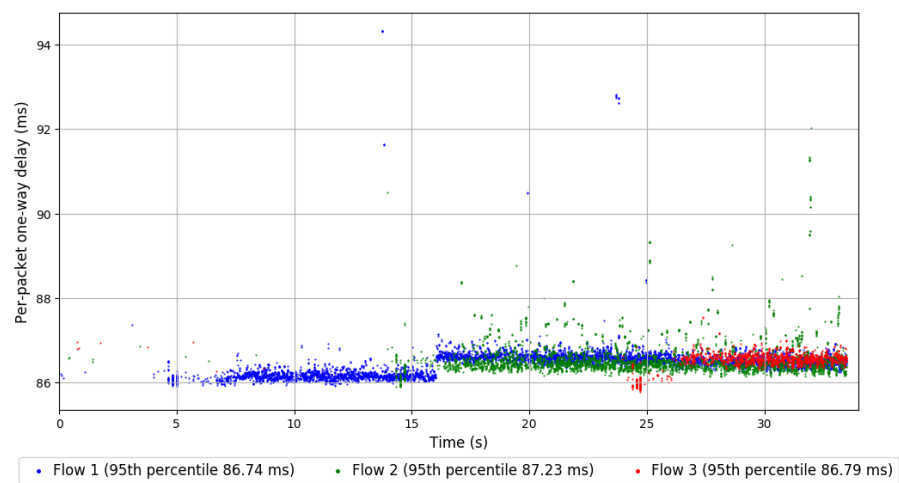
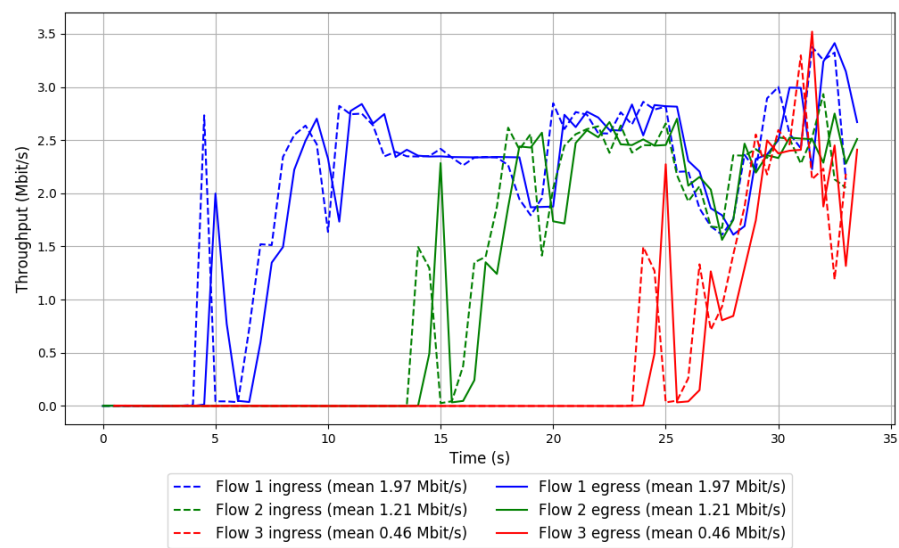


Run 3: Statistics of WebRTC media

Start at: 2018-07-03 15:44:24
End at: 2018-07-03 15:44:54
Local clock offset: -0.001 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-07-03 21:53:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.62 Mbit/s
95th percentile per-packet one-way delay: 86.836 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 86.739 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 87.226 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 86.787 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-03 16:10:03

End at: 2018-07-03 16:10:33

Local clock offset: 0.057 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-07-03 21:53:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.56 Mbit/s

95th percentile per-packet one-way delay: 87.007 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 87.140 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.20 Mbit/s

95th percentile per-packet one-way delay: 86.755 ms

Loss rate: 0.00%

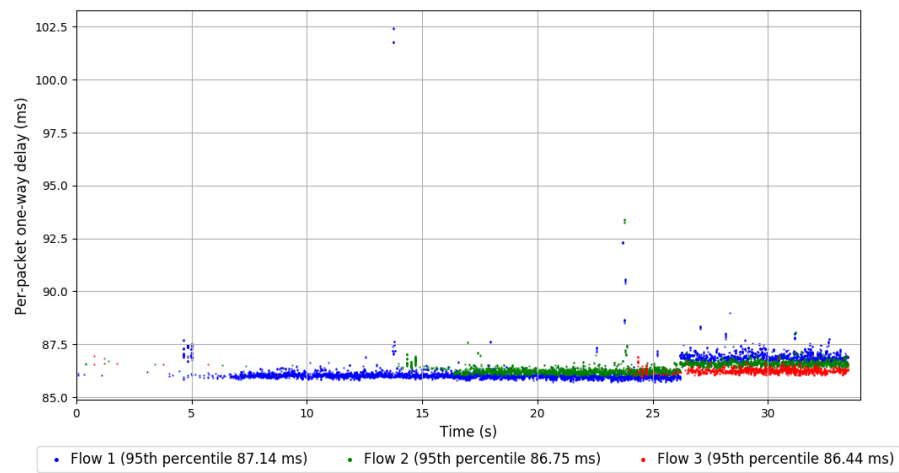
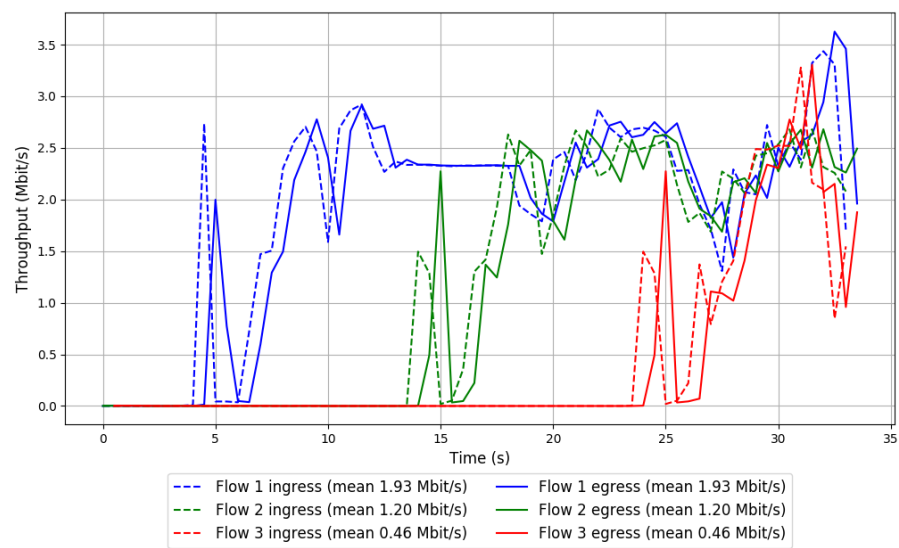
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 86.445 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-03 16:35:40

End at: 2018-07-03 16:36:10

Local clock offset: -0.061 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-07-03 21:53:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.59 Mbit/s

95th percentile per-packet one-way delay: 86.968 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 87.029 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.19 Mbit/s

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

Loss rate: 0.00%

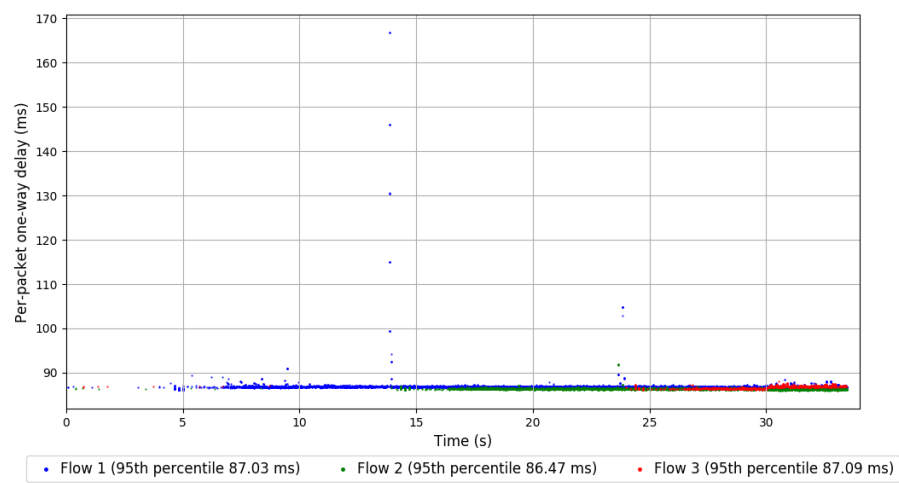
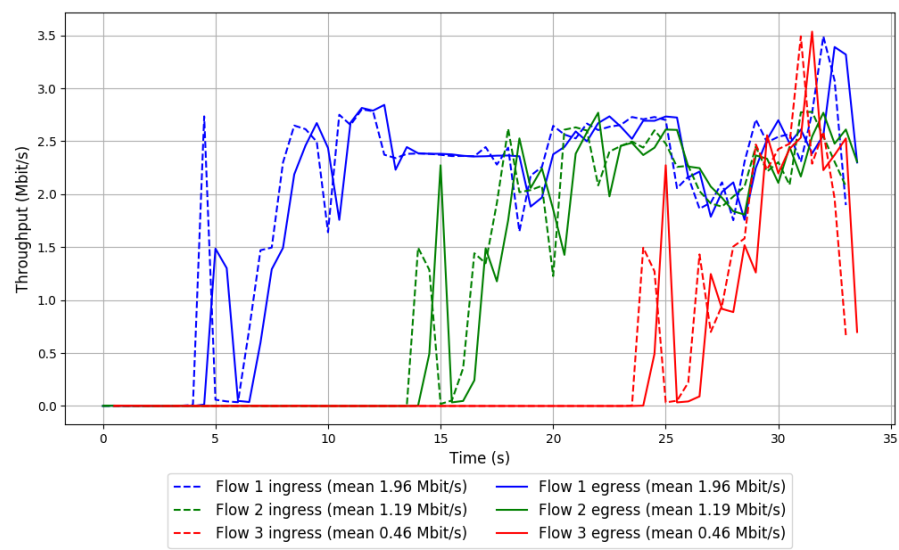
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 87.094 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

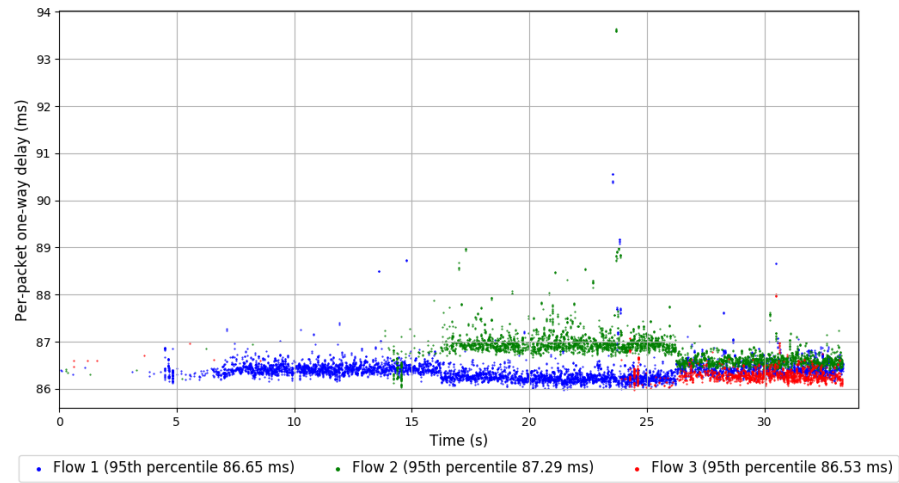
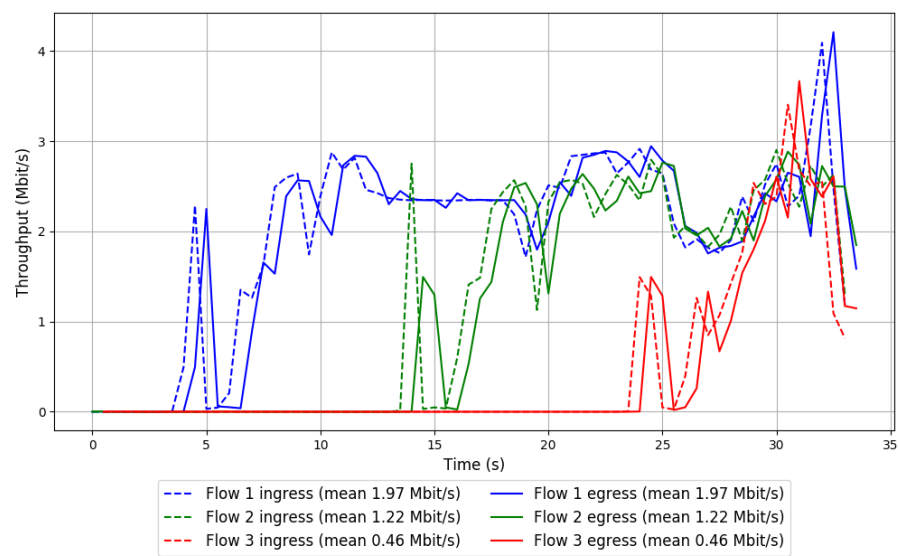


Run 6: Statistics of WebRTC media

Start at: 2018-07-03 17:01:23
End at: 2018-07-03 17:01:53
Local clock offset: -0.041 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-07-03 21:53:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.63 Mbit/s
95th percentile per-packet one-way delay: 87.072 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 86.646 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 87.292 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 86.527 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

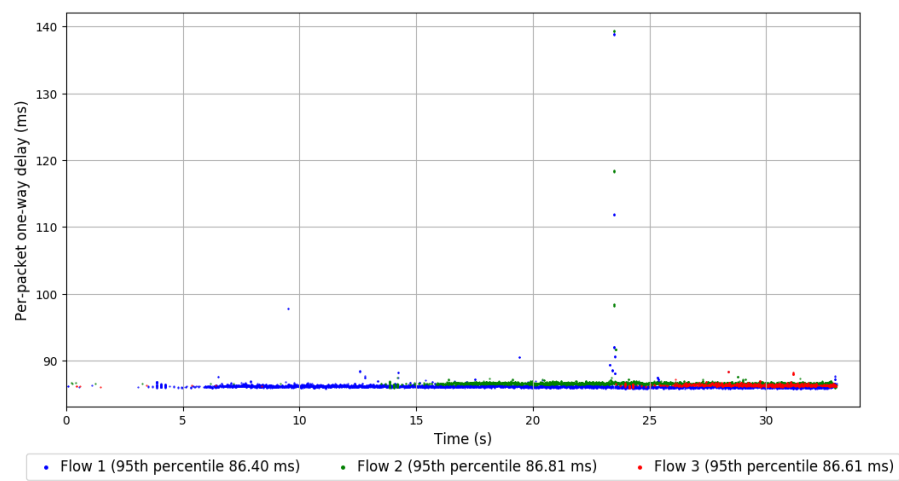
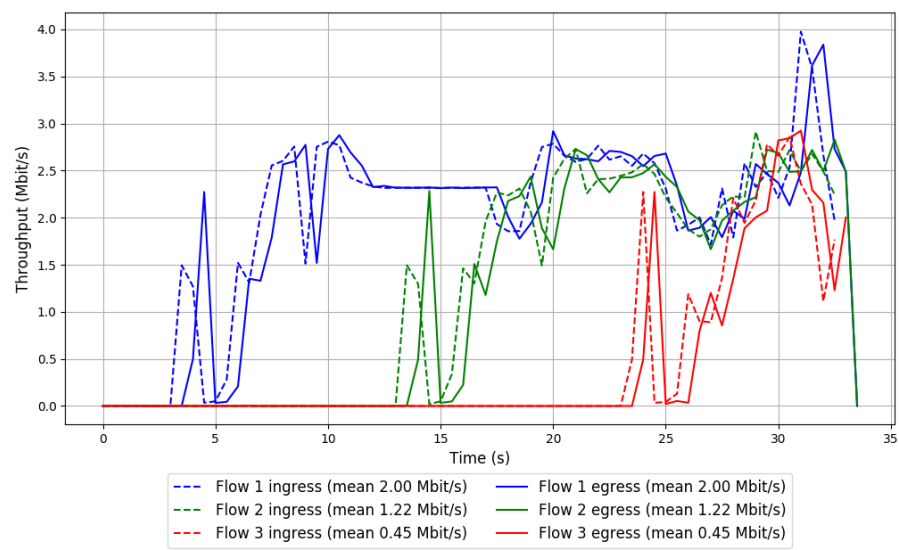


Run 7: Statistics of WebRTC media

Start at: 2018-07-03 17:26:56
End at: 2018-07-03 17:27:26
Local clock offset: 0.058 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-03 21:53:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.66 Mbit/s
95th percentile per-packet one-way delay: 86.729 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 86.401 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 86.812 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 86.612 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-03 17:52:35

End at: 2018-07-03 17:53:05

Local clock offset: 0.141 ms

Remote clock offset: 0.085 ms

Below is generated by plot.py at 2018-07-03 21:53:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.58 Mbit/s

95th percentile per-packet one-way delay: 86.686 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 86.367 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.20 Mbit/s

95th percentile per-packet one-way delay: 86.821 ms

Loss rate: 0.00%

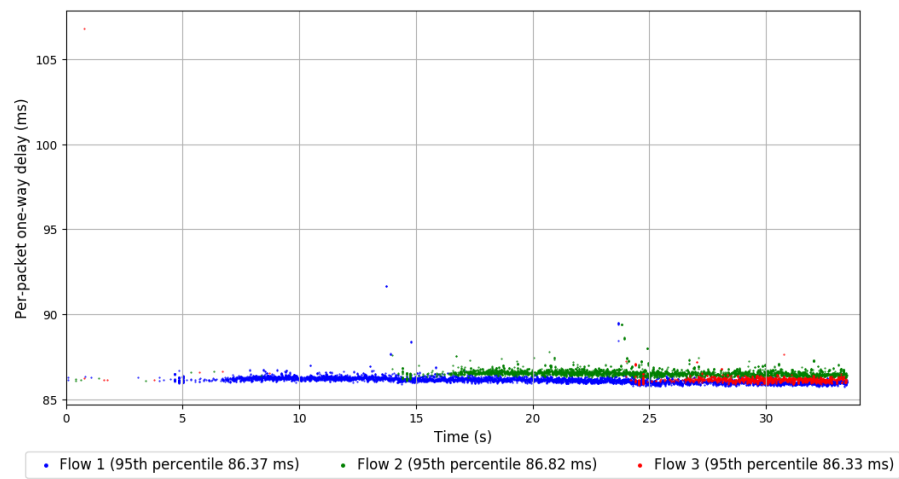
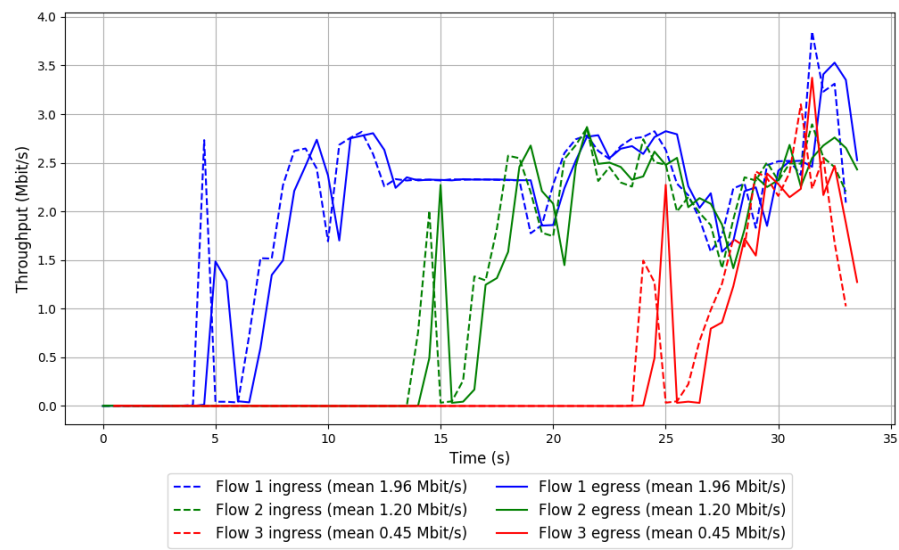
-- Flow 3:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 86.328 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-03 18:18:19

End at: 2018-07-03 18:18:49

Local clock offset: 0.001 ms

Remote clock offset: 0.119 ms

Below is generated by plot.py at 2018-07-03 21:53:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.61 Mbit/s

95th percentile per-packet one-way delay: 86.960 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 86.980 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.21 Mbit/s

95th percentile per-packet one-way delay: 86.944 ms

Loss rate: 0.00%

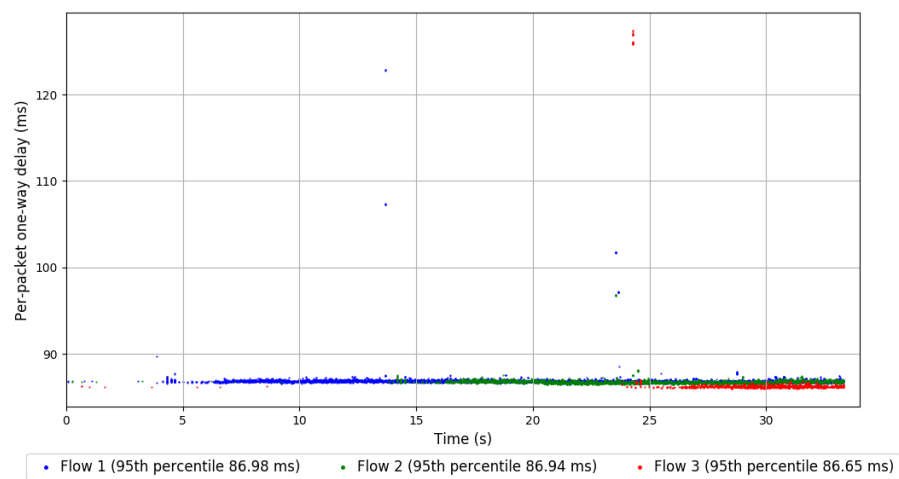
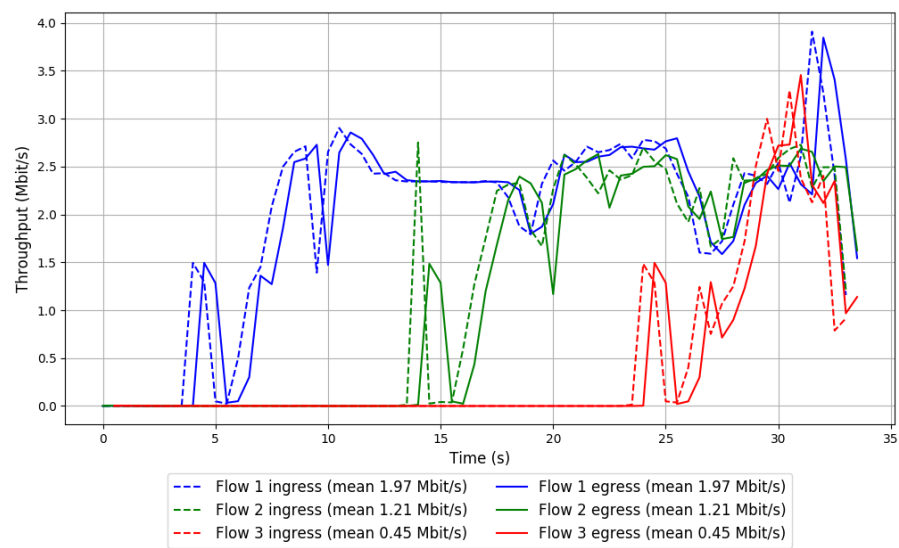
-- Flow 3:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 86.654 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-03 18:43:53
End at: 2018-07-03 18:44:23
Local clock offset: -0.039 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-03 21:53:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 86.740 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 86.766 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.20 Mbit/s
95th percentile per-packet one-way delay: 86.481 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 86.613 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

