

Pantheon Report

Generated at 2018-07-20 01:16:22 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

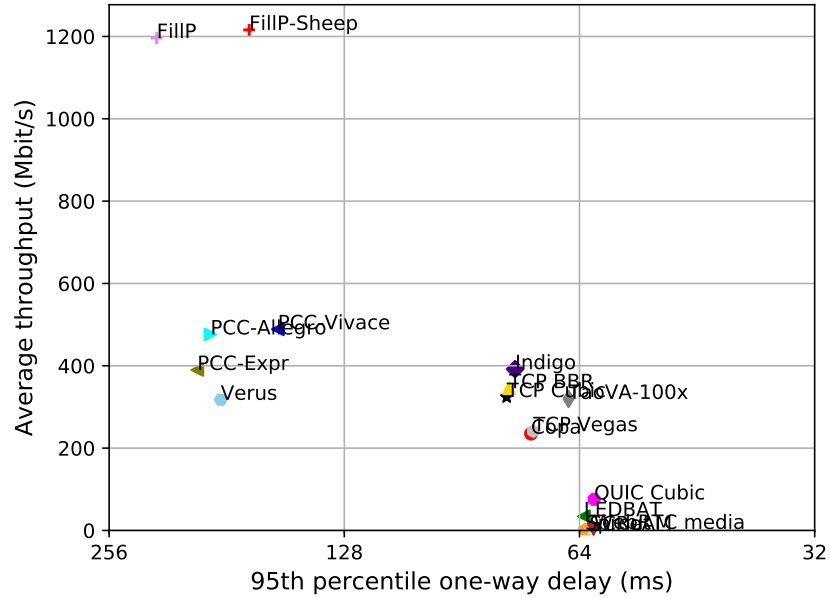
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

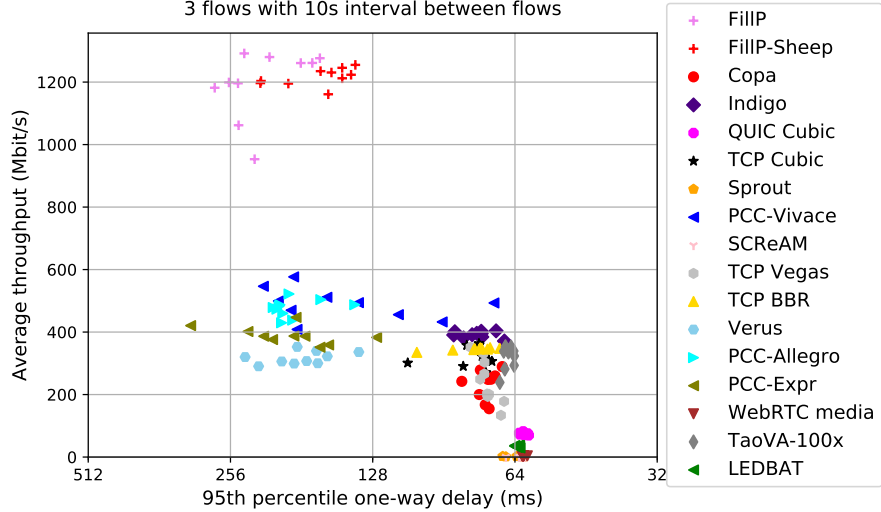
Git summary:

```
branch: master @ f7befc2d8410f41949e0ad8143a9aab40bab7edb
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
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 Tokyo 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 Tokyo 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	175.84	173.97	164.10	77.39	78.78	80.66	0.44	0.68	1.42
Copa	10	144.52	97.00	86.48	74.57	72.16	72.05	0.24	0.67	1.30
TCP Cubic	10	169.37	165.43	135.64	78.50	78.86	79.98	0.47	0.79	2.04
FillP	10	635.11	583.71	527.19	202.56	240.71	187.52	6.28	6.89	6.06
FillP-Sheep	10	636.41	623.56	503.54	163.55	156.94	182.68	1.96	2.14	3.29
Indigo	10	205.27	203.82	148.92	75.68	77.50	79.85	0.41	0.60	1.48
LEDBAT	10	22.37	14.62	7.30	63.34	63.06	62.54	0.80	1.29	2.60
PCC-Allegro	10	438.42	40.18	34.17	190.18	181.71	155.39	1.98	2.04	3.03
PCC-Expr	10	254.54	169.96	68.90	216.52	146.95	128.10	4.36	1.82	3.41
QUIC Cubic	10	45.23	35.67	18.93	61.21	61.34	61.26	0.50	1.10	1.77
SCReAM	10	0.22	0.22	0.22	61.55	62.08	61.54	0.38	0.61	1.08
Sprout	10	0.84	0.94	1.47	62.83	62.59	62.39	0.30	0.56	0.97
TaoVA-100x	10	199.56	144.31	112.80	65.10	67.30	69.27	0.21	0.46	1.41
TCP Vegas	10	144.20	100.22	92.04	72.60	70.47	71.87	0.34	0.74	1.51
Verus	10	185.89	145.39	110.09	153.96	211.78	229.16	1.16	1.82	3.08
PCC-Vivace	10	294.88	231.50	122.81	148.58	130.76	82.33	0.80	1.01	1.90
WebRTC media	10	1.96	1.27	0.51	61.34	61.37	61.42	0.52	0.80	1.76

Run 1: Statistics of TCP BBR

Start at: 2018-07-19 17:16:09

End at: 2018-07-19 17:16:39

Local clock offset: -0.078 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-19 21:54:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 347.27 Mbit/s

95th percentile per-packet one-way delay: 77.896 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 175.37 Mbit/s

95th percentile per-packet one-way delay: 76.279 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 175.70 Mbit/s

95th percentile per-packet one-way delay: 77.990 ms

Loss rate: 0.66%

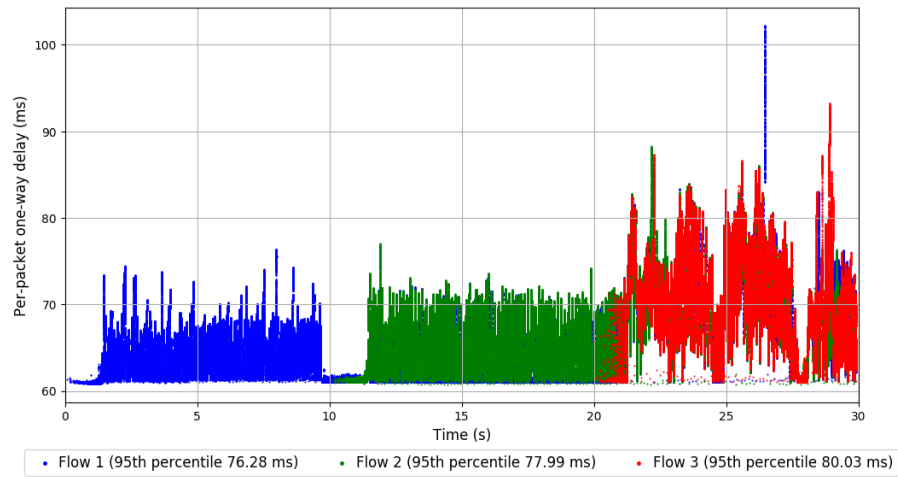
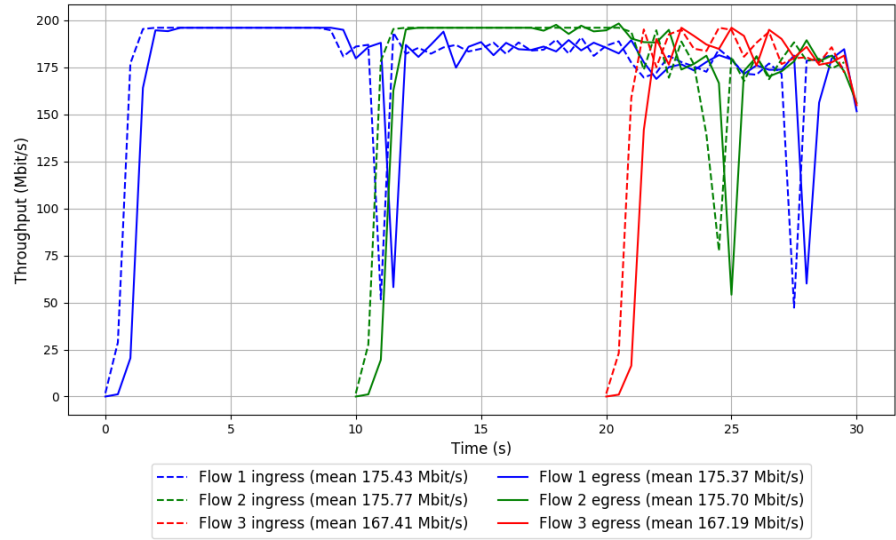
-- Flow 3:

Average throughput: 167.19 Mbit/s

95th percentile per-packet one-way delay: 80.033 ms

Loss rate: 1.36%

Run 1: Report of TCP BBR — Data Link

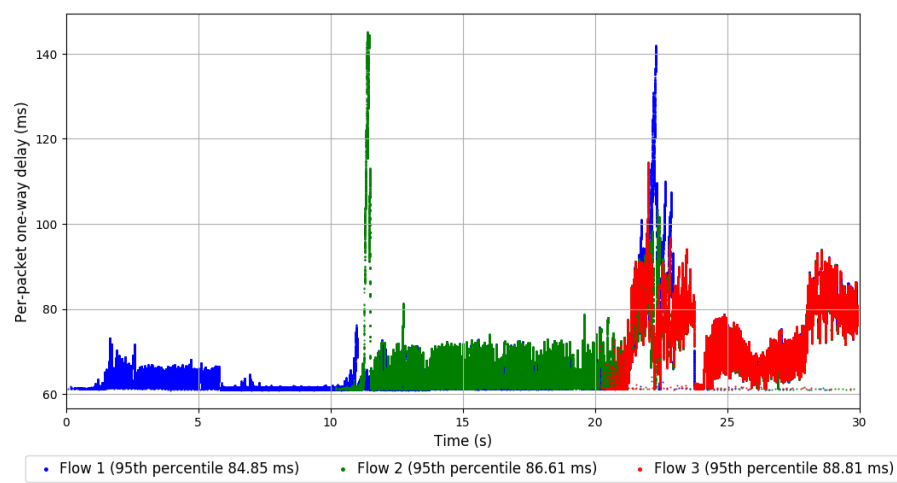
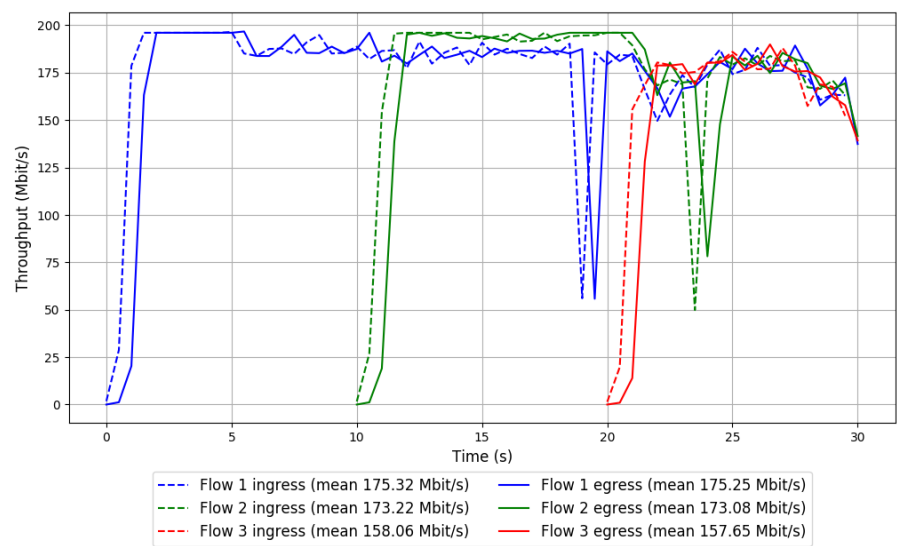


Run 2: Statistics of TCP BBR

Start at: 2018-07-19 17:41:40
End at: 2018-07-19 17:42:10
Local clock offset: -0.01 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-07-19 21:54:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 342.25 Mbit/s
95th percentile per-packet one-way delay: 86.651 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 175.25 Mbit/s
95th percentile per-packet one-way delay: 84.852 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 173.08 Mbit/s
95th percentile per-packet one-way delay: 86.608 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 157.65 Mbit/s
95th percentile per-packet one-way delay: 88.814 ms
Loss rate: 1.51%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-19 18:06:22

End at: 2018-07-19 18:06:52

Local clock offset: -0.021 ms

Remote clock offset: 0.103 ms

Below is generated by plot.py at 2018-07-19 21:54:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 335.09 Mbit/s

95th percentile per-packet one-way delay: 103.231 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 172.30 Mbit/s

95th percentile per-packet one-way delay: 101.307 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 169.20 Mbit/s

95th percentile per-packet one-way delay: 104.043 ms

Loss rate: 0.66%

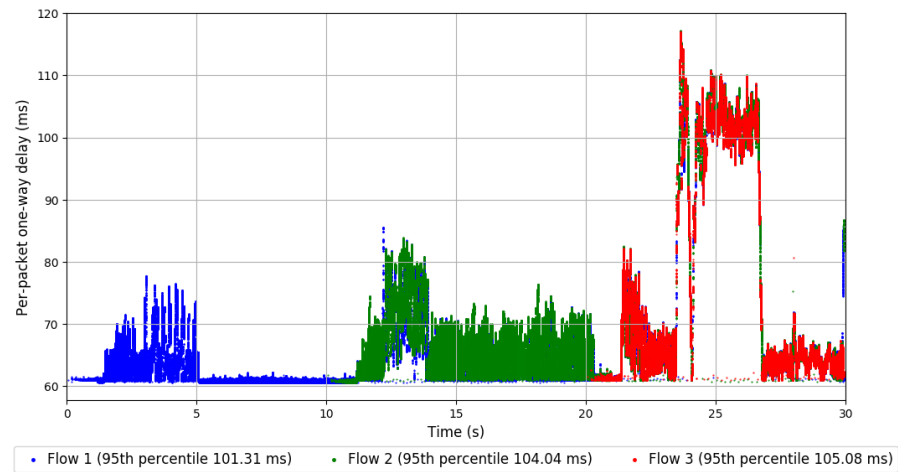
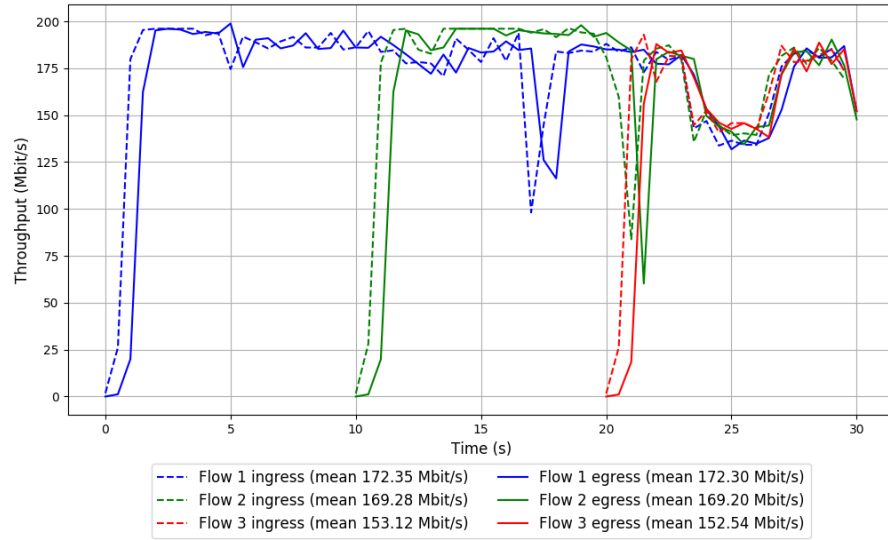
-- Flow 3:

Average throughput: 152.54 Mbit/s

95th percentile per-packet one-way delay: 105.076 ms

Loss rate: 1.51%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-19 18:31:26

End at: 2018-07-19 18:31:56

Local clock offset: 0.021 ms

Remote clock offset: 1.029 ms

Below is generated by plot.py at 2018-07-19 21:54:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 343.84 Mbit/s

95th percentile per-packet one-way delay: 78.201 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 176.45 Mbit/s

95th percentile per-packet one-way delay: 76.731 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 171.17 Mbit/s

95th percentile per-packet one-way delay: 78.498 ms

Loss rate: 0.66%

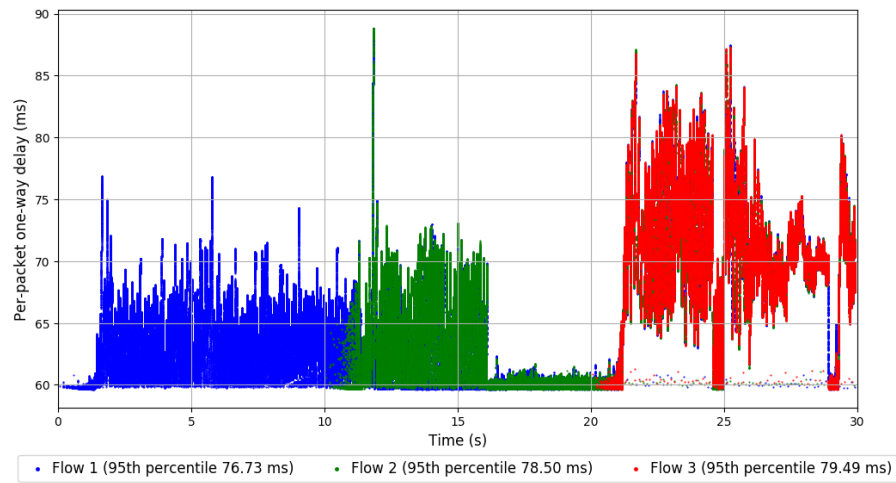
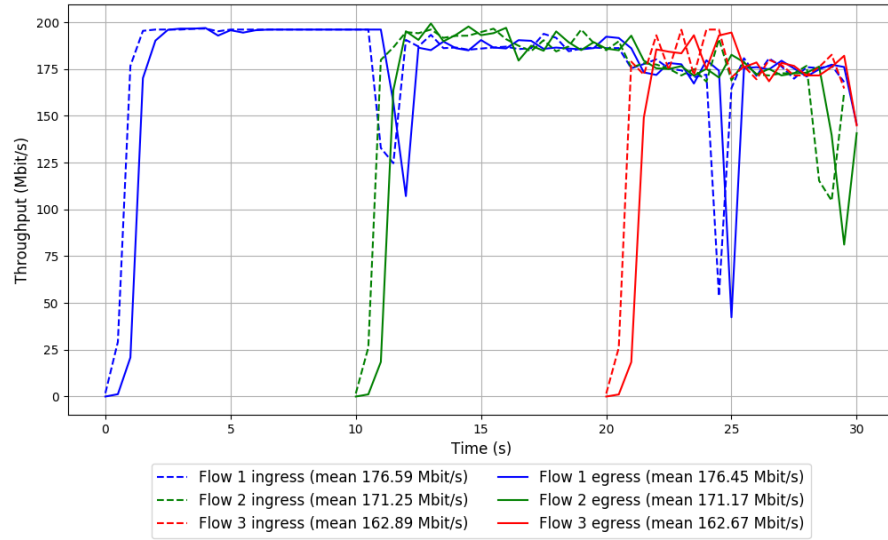
-- Flow 3:

Average throughput: 162.67 Mbit/s

95th percentile per-packet one-way delay: 79.492 ms

Loss rate: 1.38%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-19 18:56:51

End at: 2018-07-19 18:57:21

Local clock offset: -0.002 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-19 21:54:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 350.07 Mbit/s

95th percentile per-packet one-way delay: 72.255 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 177.05 Mbit/s

95th percentile per-packet one-way delay: 72.675 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 176.47 Mbit/s

95th percentile per-packet one-way delay: 70.995 ms

Loss rate: 0.67%

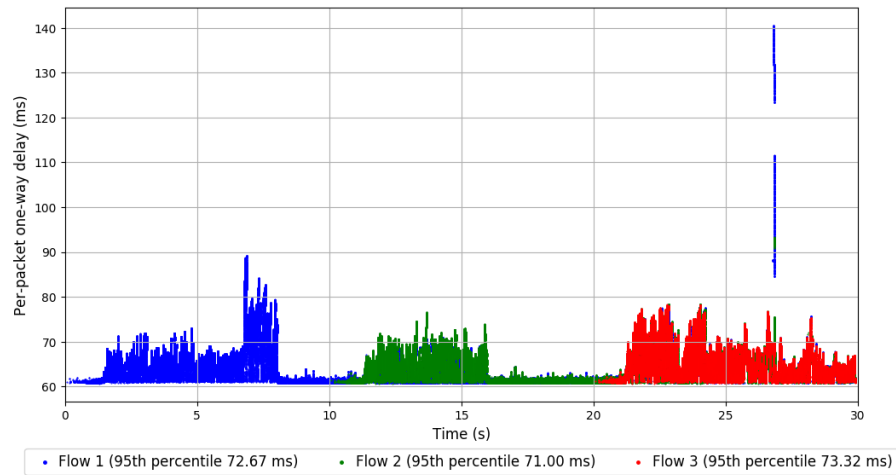
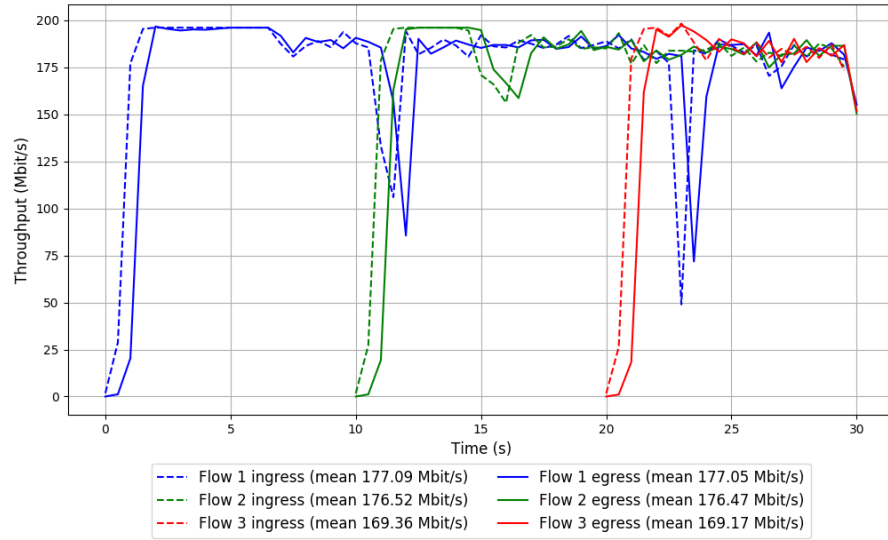
-- Flow 3:

Average throughput: 169.17 Mbit/s

95th percentile per-packet one-way delay: 73.323 ms

Loss rate: 1.34%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-19 19:22:17

End at: 2018-07-19 19:22:47

Local clock offset: 0.152 ms

Remote clock offset: 1.227 ms

Below is generated by plot.py at 2018-07-19 21:54:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 348.15 Mbit/s

95th percentile per-packet one-way delay: 75.256 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 177.68 Mbit/s

95th percentile per-packet one-way delay: 72.820 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 175.33 Mbit/s

95th percentile per-packet one-way delay: 75.446 ms

Loss rate: 0.67%

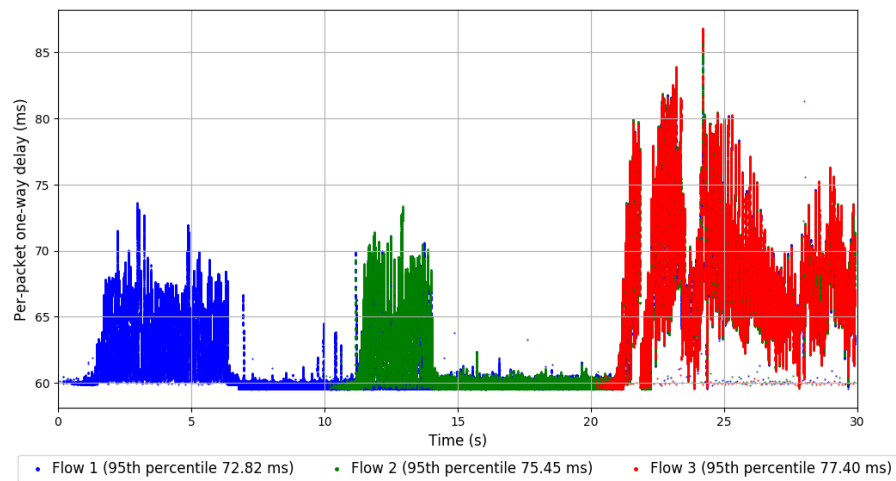
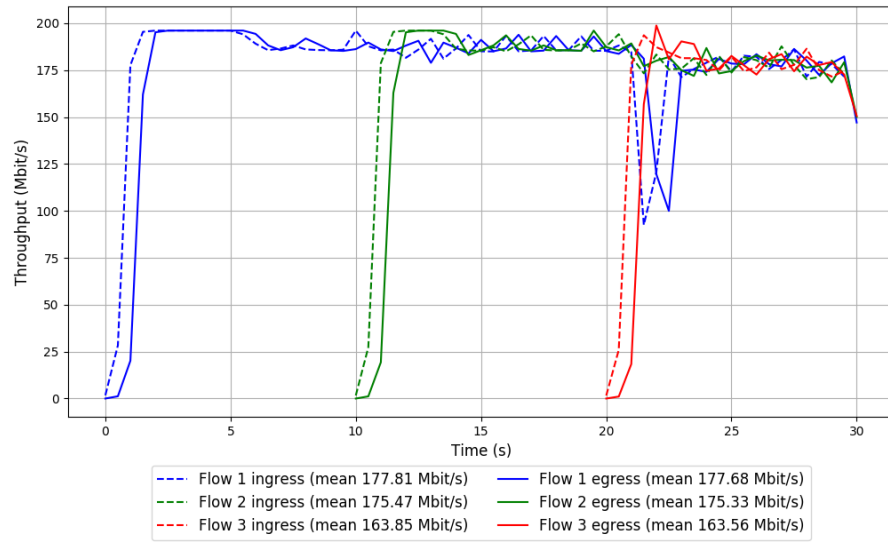
-- Flow 3:

Average throughput: 163.56 Mbit/s

95th percentile per-packet one-way delay: 77.398 ms

Loss rate: 1.45%

Run 6: Report of TCP BBR — Data Link

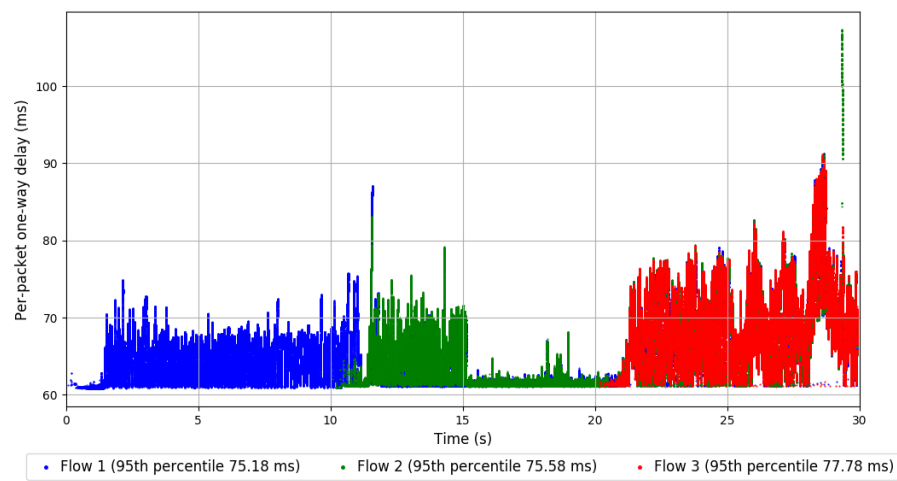
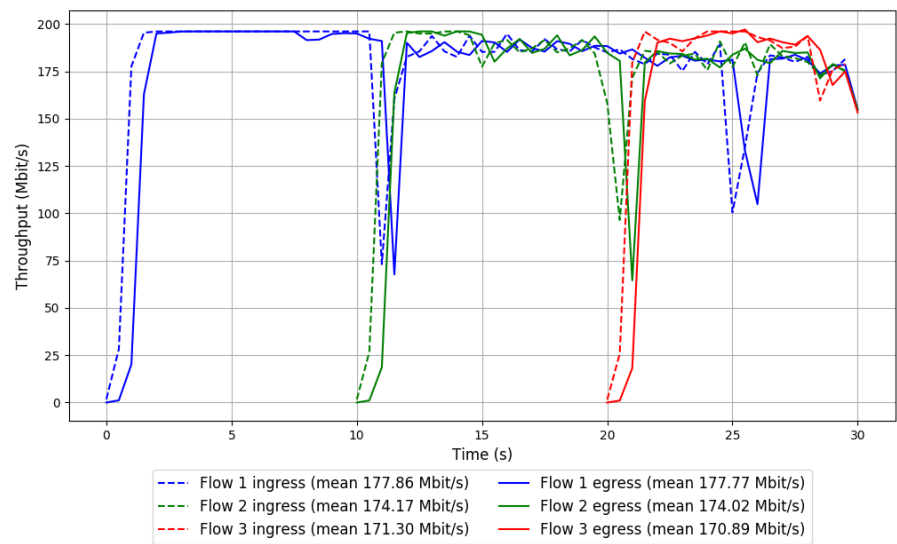


Run 7: Statistics of TCP BBR

Start at: 2018-07-19 19:47:53
End at: 2018-07-19 19:48:23
Local clock offset: 0.177 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-07-19 21:54:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 349.77 Mbit/s
95th percentile per-packet one-way delay: 75.810 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 177.77 Mbit/s
95th percentile per-packet one-way delay: 75.177 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 174.02 Mbit/s
95th percentile per-packet one-way delay: 75.577 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 170.89 Mbit/s
95th percentile per-packet one-way delay: 77.784 ms
Loss rate: 1.47%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-19 20:13:21

End at: 2018-07-19 20:13:51

Local clock offset: 0.253 ms

Remote clock offset: 1.168 ms

Below is generated by plot.py at 2018-07-19 21:54:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 347.92 Mbit/s

95th percentile per-packet one-way delay: 68.927 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 174.52 Mbit/s

95th percentile per-packet one-way delay: 67.617 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 177.58 Mbit/s

95th percentile per-packet one-way delay: 69.310 ms

Loss rate: 0.67%

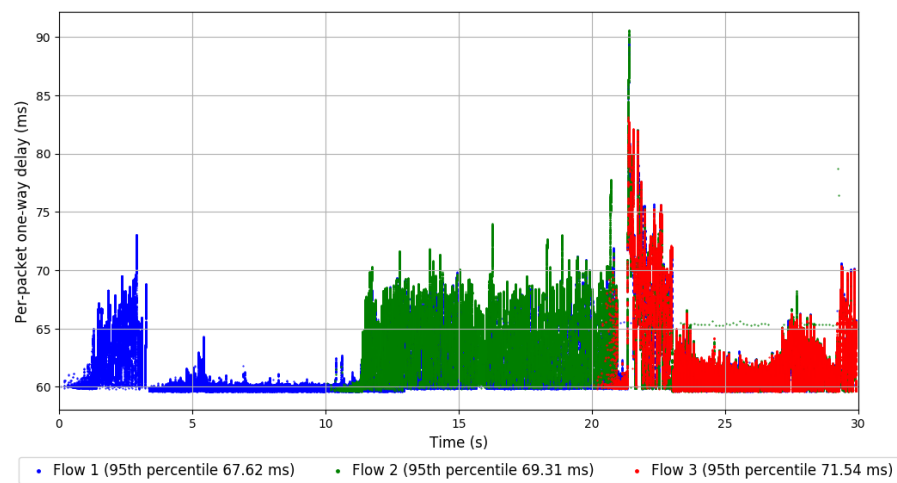
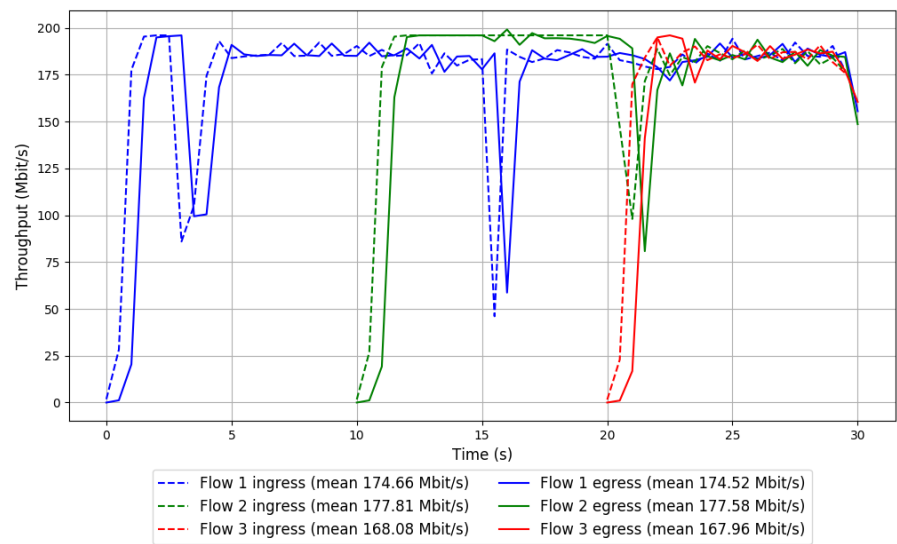
-- Flow 3:

Average throughput: 167.96 Mbit/s

95th percentile per-packet one-way delay: 71.537 ms

Loss rate: 1.30%

Run 8: Report of TCP BBR — Data Link

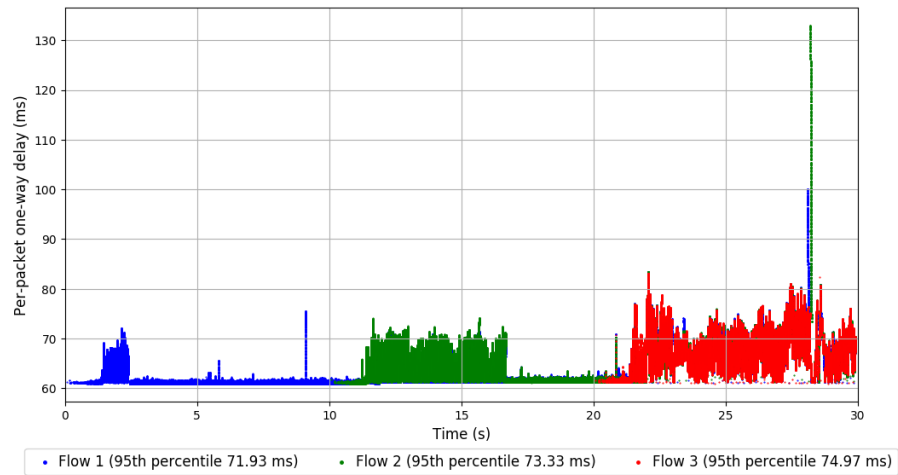
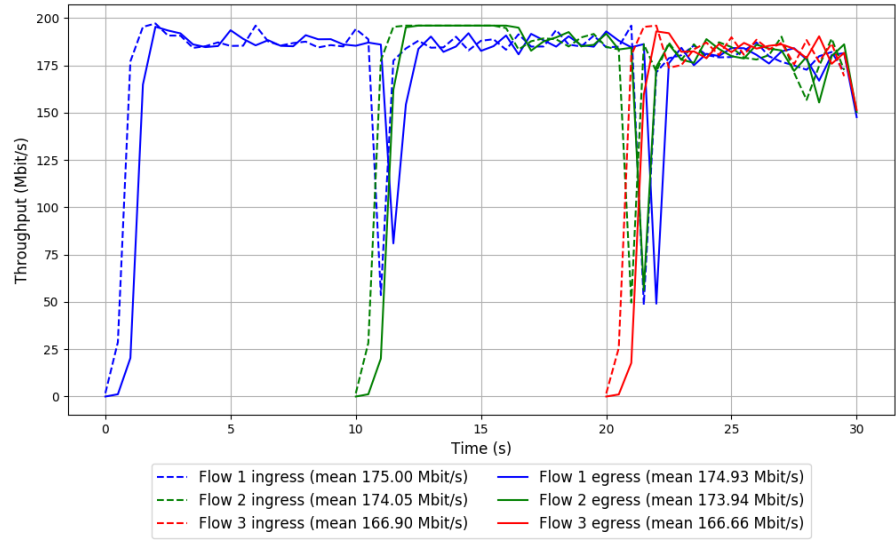


Run 9: Statistics of TCP BBR

Start at: 2018-07-19 20:38:52
End at: 2018-07-19 20:39:22
Local clock offset: 0.261 ms
Remote clock offset: -0.353 ms

Below is generated by plot.py at 2018-07-19 22:00:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 345.46 Mbit/s
95th percentile per-packet one-way delay: 73.173 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 174.93 Mbit/s
95th percentile per-packet one-way delay: 71.933 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 173.94 Mbit/s
95th percentile per-packet one-way delay: 73.331 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 166.66 Mbit/s
95th percentile per-packet one-way delay: 74.966 ms
Loss rate: 1.37%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-19 21:04:07

End at: 2018-07-19 21:04:37

Local clock offset: 0.342 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-19 22:00:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 345.80 Mbit/s

95th percentile per-packet one-way delay: 76.146 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 177.13 Mbit/s

95th percentile per-packet one-way delay: 74.495 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 173.23 Mbit/s

95th percentile per-packet one-way delay: 76.032 ms

Loss rate: 0.68%

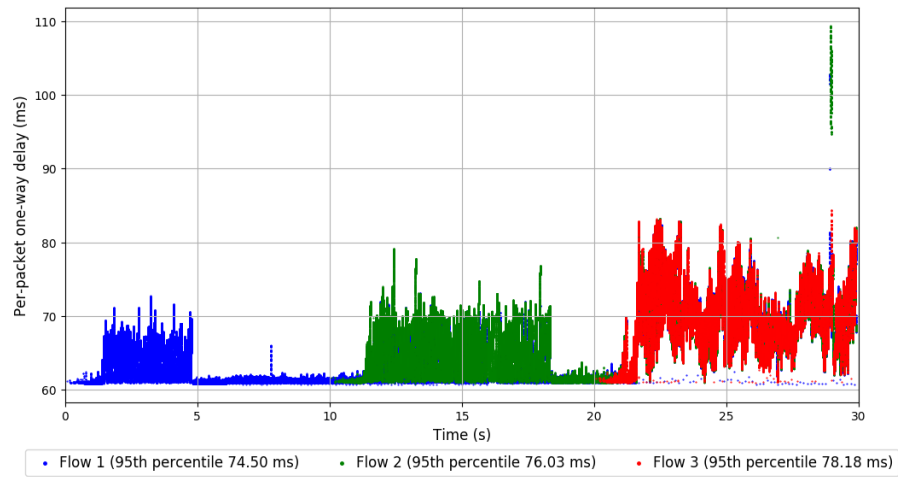
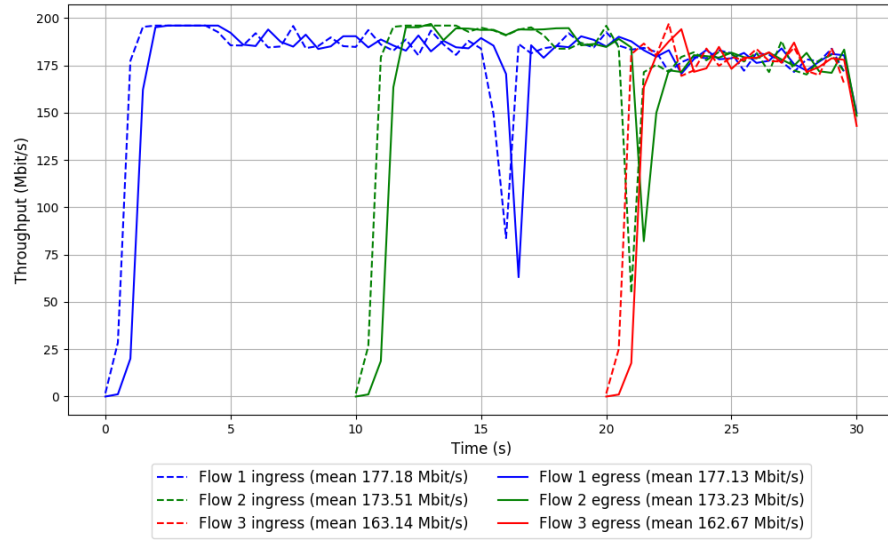
-- Flow 3:

Average throughput: 162.67 Mbit/s

95th percentile per-packet one-way delay: 78.178 ms

Loss rate: 1.46%

Run 10: Report of TCP BBR — Data Link

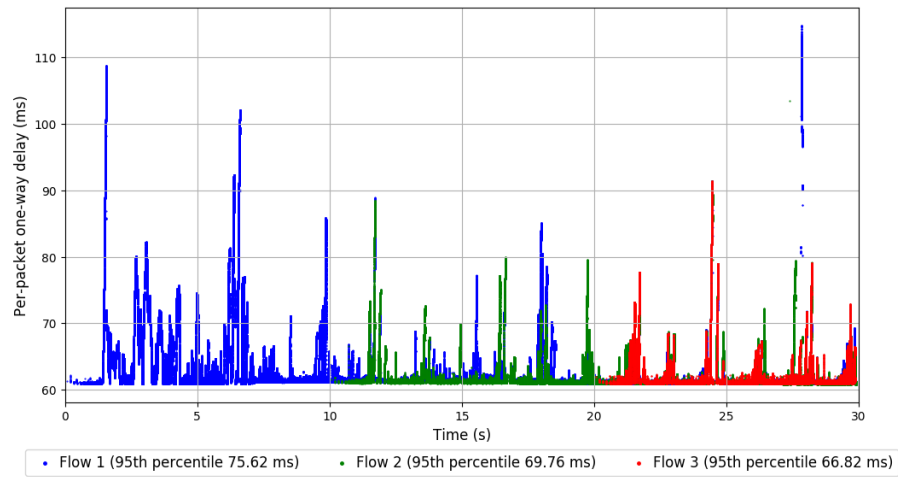
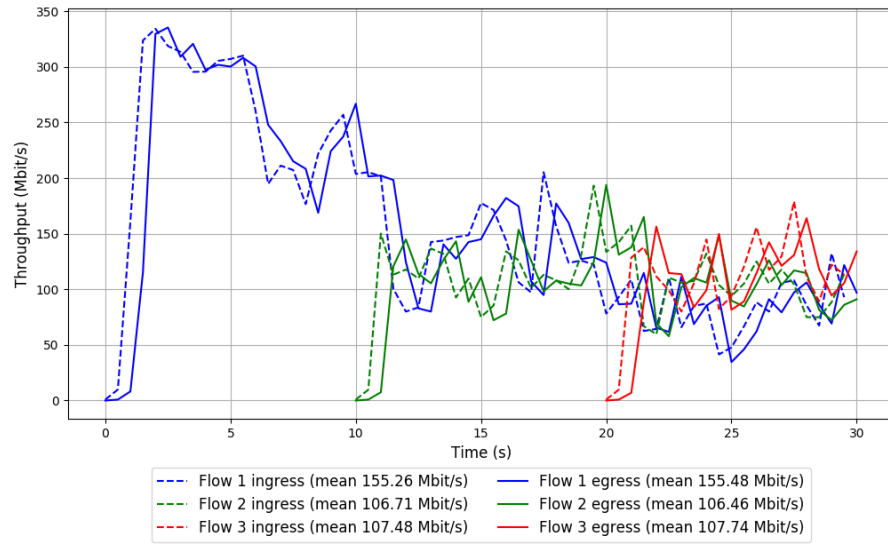


Run 1: Statistics of Copa

Start at: 2018-07-19 17:22:16
End at: 2018-07-19 17:22:46
Local clock offset: -0.057 ms
Remote clock offset: -0.189 ms

Below is generated by plot.py at 2018-07-19 22:03:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 261.56 Mbit/s
95th percentile per-packet one-way delay: 73.329 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 155.48 Mbit/s
95th percentile per-packet one-way delay: 75.621 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 106.46 Mbit/s
95th percentile per-packet one-way delay: 69.757 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 107.74 Mbit/s
95th percentile per-packet one-way delay: 66.819 ms
Loss rate: 1.05%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-19 17:47:45

End at: 2018-07-19 17:48:15

Local clock offset: 0.002 ms

Remote clock offset: 0.207 ms

Below is generated by plot.py at 2018-07-19 22:03:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 154.68 Mbit/s

95th percentile per-packet one-way delay: 72.585 ms

Loss rate: 1.20%

-- Flow 1:

Average throughput: 84.63 Mbit/s

95th percentile per-packet one-way delay: 73.220 ms

Loss rate: 0.85%

-- Flow 2:

Average throughput: 87.93 Mbit/s

95th percentile per-packet one-way delay: 72.342 ms

Loss rate: 1.06%

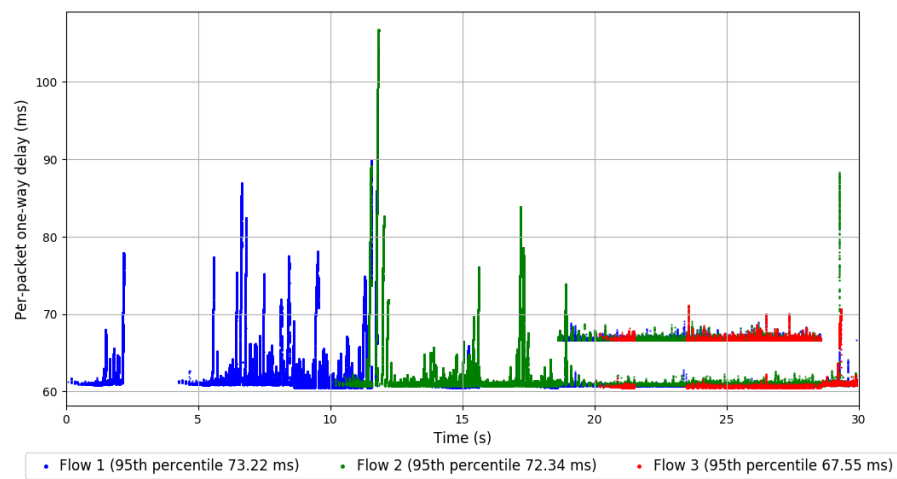
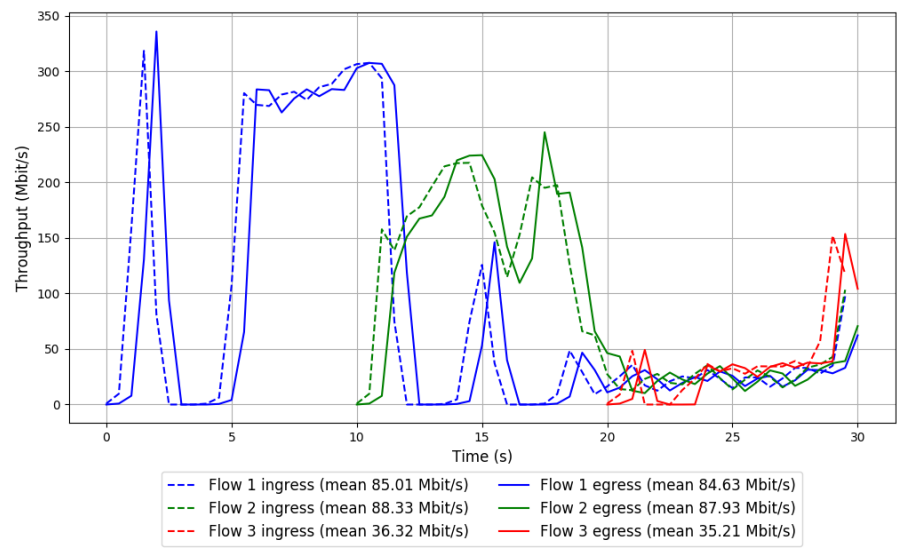
-- Flow 3:

Average throughput: 35.21 Mbit/s

95th percentile per-packet one-way delay: 67.547 ms

Loss rate: 4.24%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-19 18:12:29

End at: 2018-07-19 18:12:59

Local clock offset: -0.031 ms

Remote clock offset: 1.045 ms

Below is generated by plot.py at 2018-07-19 22:03:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 167.33 Mbit/s

95th percentile per-packet one-way delay: 73.973 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 102.12 Mbit/s

95th percentile per-packet one-way delay: 71.957 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 73.11 Mbit/s

95th percentile per-packet one-way delay: 74.606 ms

Loss rate: 0.25%

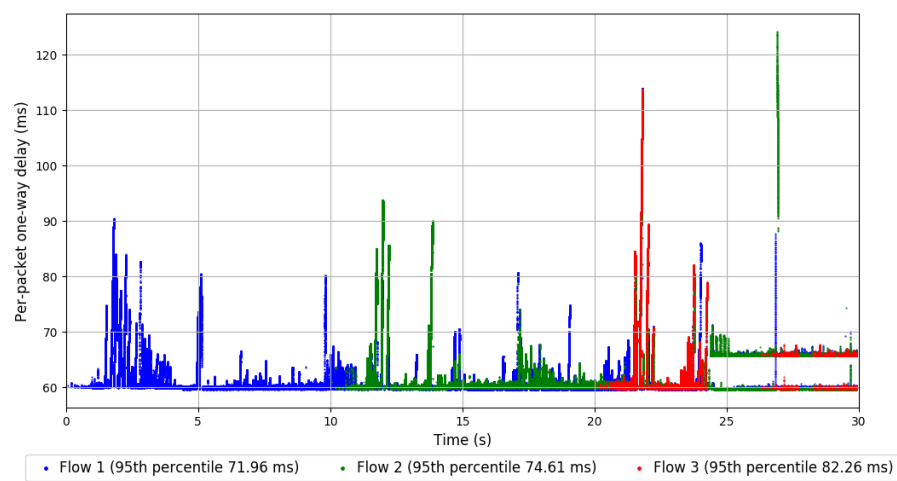
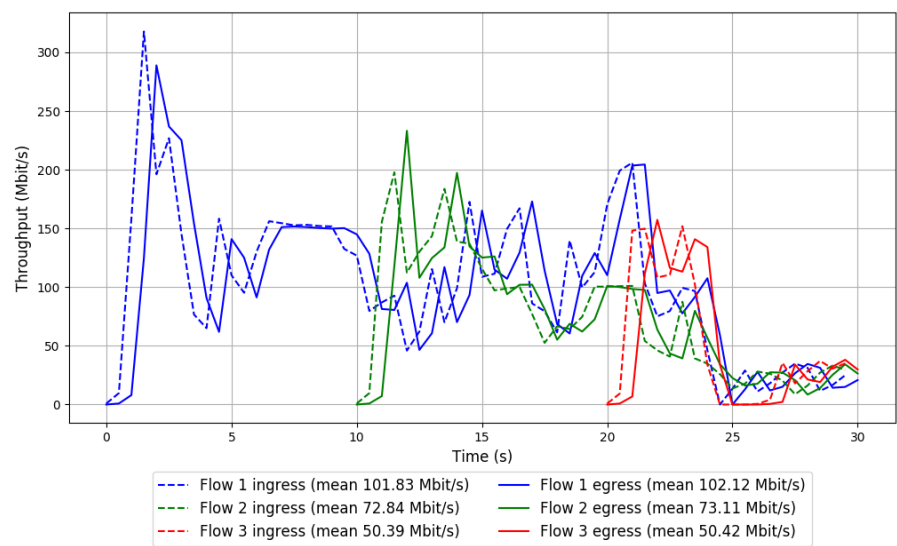
-- Flow 3:

Average throughput: 50.42 Mbit/s

95th percentile per-packet one-way delay: 82.264 ms

Loss rate: 1.17%

Run 3: Report of Copa — Data Link

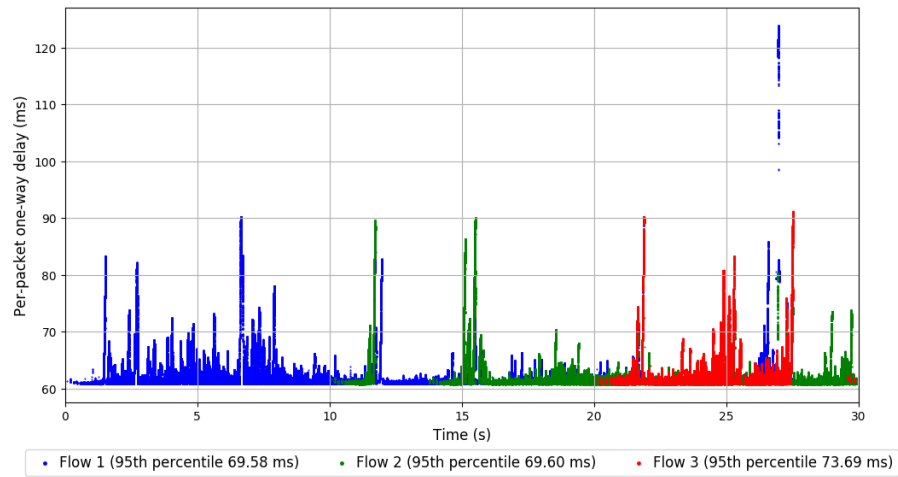
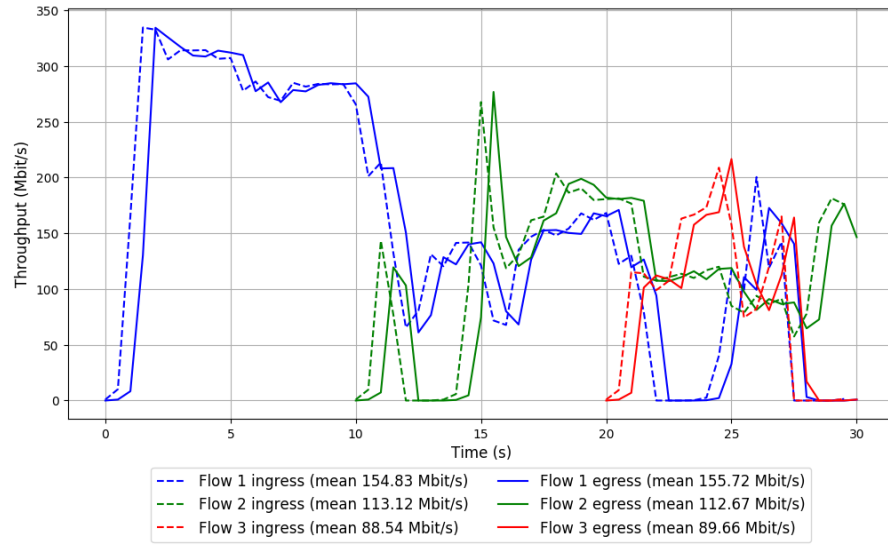


Run 4: Statistics of Copa

Start at: 2018-07-19 18:37:34
End at: 2018-07-19 18:38:04
Local clock offset: -0.031 ms
Remote clock offset: -0.224 ms

Below is generated by plot.py at 2018-07-19 22:03:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 259.57 Mbit/s
95th percentile per-packet one-way delay: 70.532 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 155.72 Mbit/s
95th percentile per-packet one-way delay: 69.578 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 112.67 Mbit/s
95th percentile per-packet one-way delay: 69.599 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 89.66 Mbit/s
95th percentile per-packet one-way delay: 73.689 ms
Loss rate: 0.04%

Run 4: Report of Copa — Data Link

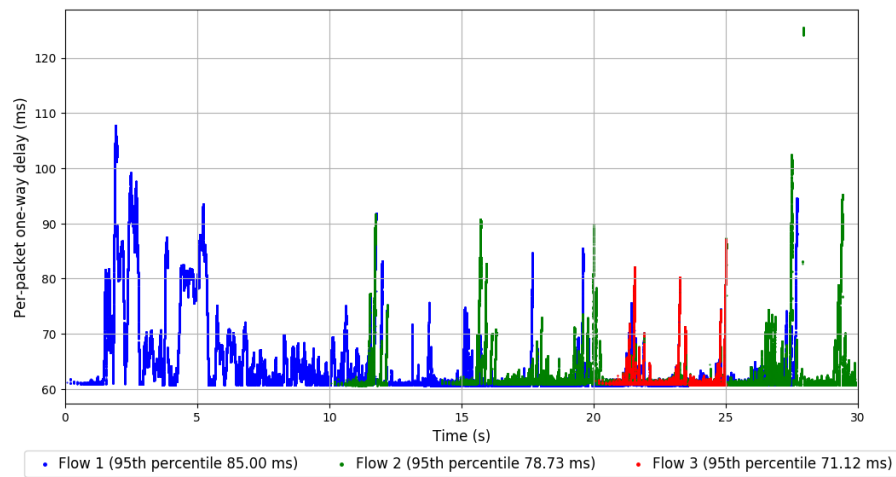
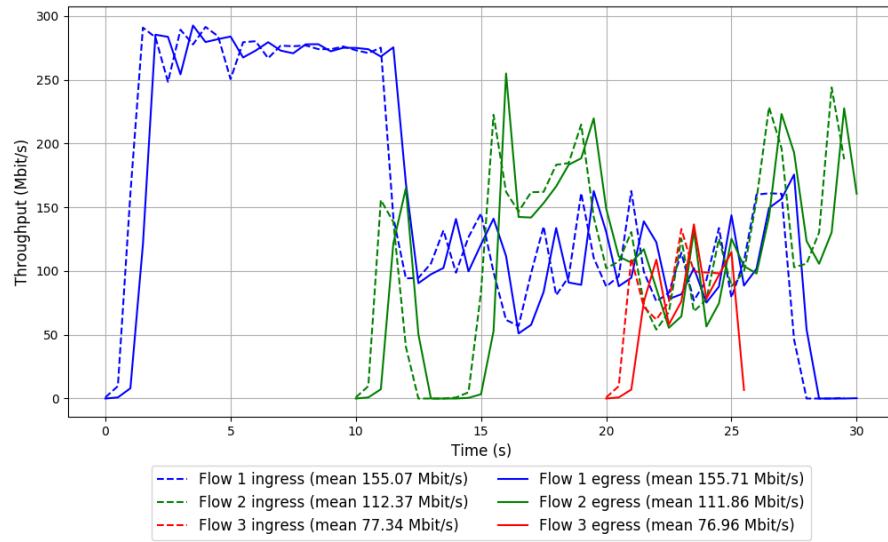


Run 5: Statistics of Copa

Start at: 2018-07-19 19:03:00
End at: 2018-07-19 19:03:30
Local clock offset: 0.05 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-19 22:03:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 242.25 Mbit/s
95th percentile per-packet one-way delay: 82.924 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 155.71 Mbit/s
95th percentile per-packet one-way delay: 85.001 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 111.86 Mbit/s
95th percentile per-packet one-way delay: 78.732 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 76.96 Mbit/s
95th percentile per-packet one-way delay: 71.120 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-19 19:28:28

End at: 2018-07-19 19:28:58

Local clock offset: 0.141 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-19 22:04:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 278.62 Mbit/s

95th percentile per-packet one-way delay: 75.758 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 155.71 Mbit/s

95th percentile per-packet one-way delay: 77.506 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 129.25 Mbit/s

95th percentile per-packet one-way delay: 72.886 ms

Loss rate: 0.83%

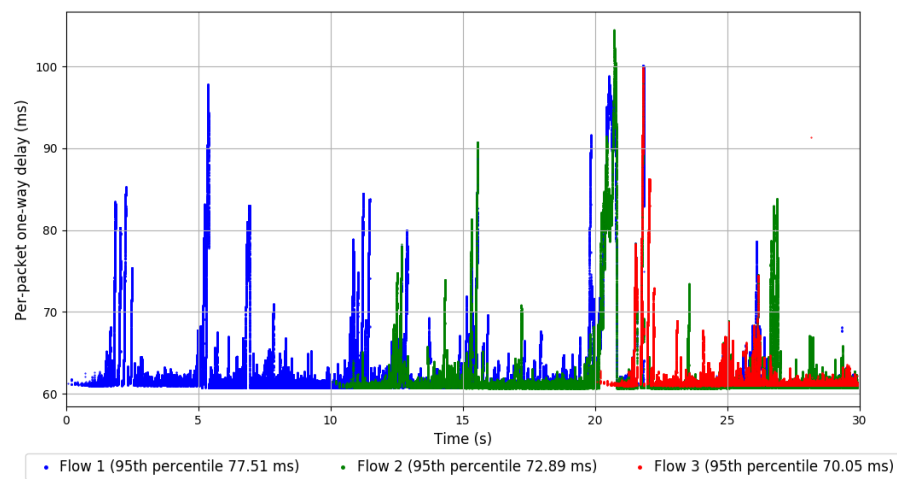
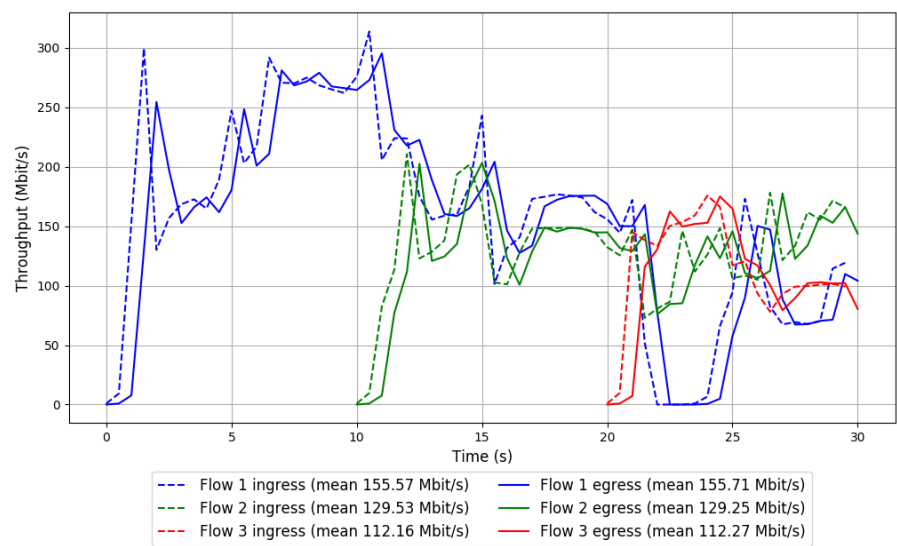
-- Flow 3:

Average throughput: 112.27 Mbit/s

95th percentile per-packet one-way delay: 70.050 ms

Loss rate: 1.13%

Run 6: Report of Copa — Data Link

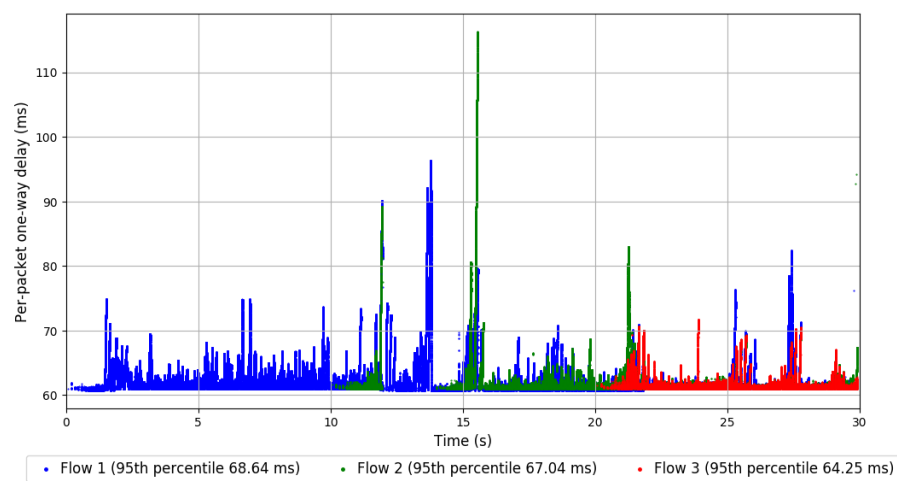
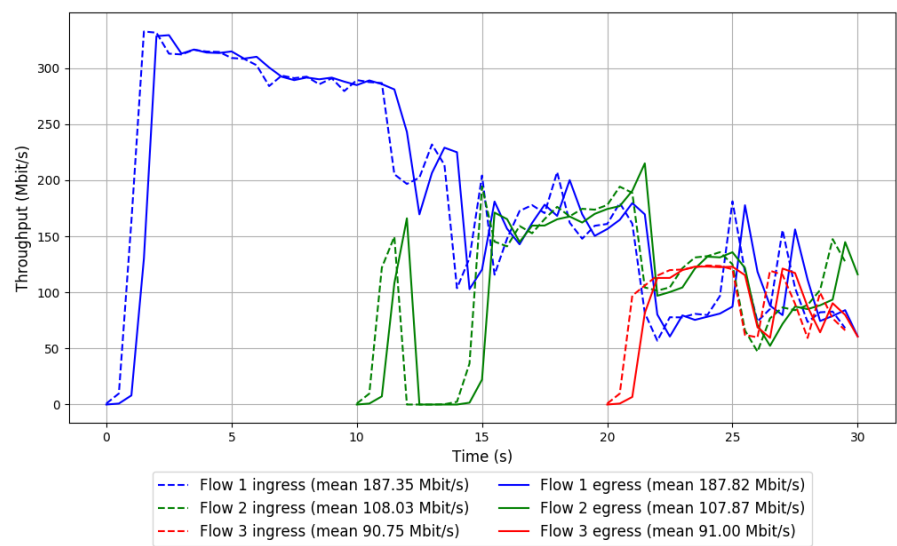


Run 7: Statistics of Copa

Start at: 2018-07-19 19:54:02
End at: 2018-07-19 19:54:32
Local clock offset: 0.225 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-07-19 22:11:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 289.50 Mbit/s
95th percentile per-packet one-way delay: 68.097 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 187.82 Mbit/s
95th percentile per-packet one-way delay: 68.644 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 107.87 Mbit/s
95th percentile per-packet one-way delay: 67.040 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 91.00 Mbit/s
95th percentile per-packet one-way delay: 64.253 ms
Loss rate: 0.97%

Run 7: Report of Copa — Data Link

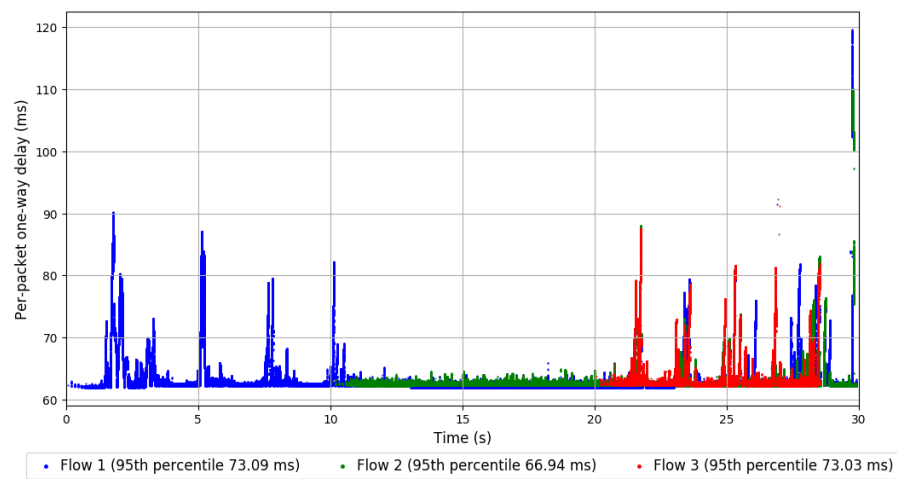
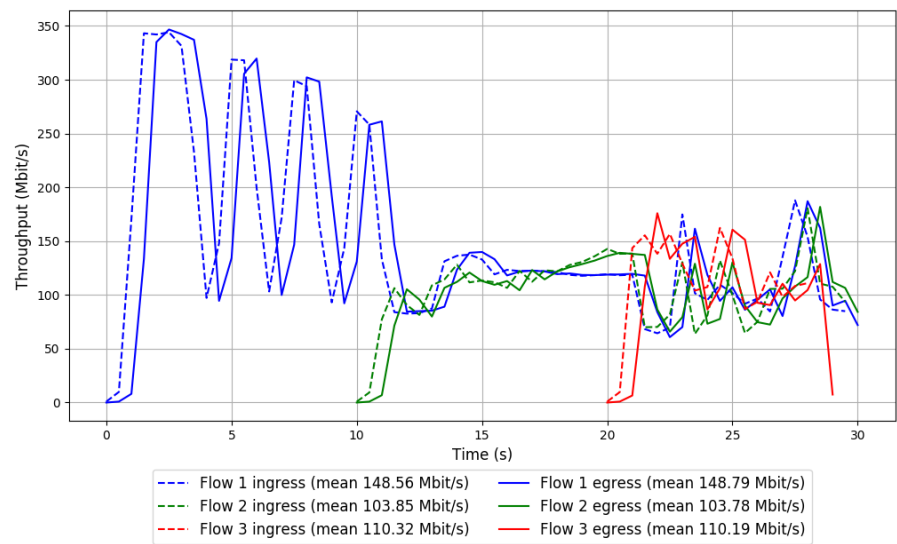


Run 8: Statistics of Copa

Start at: 2018-07-19 20:19:30
End at: 2018-07-19 20:20:00
Local clock offset: 0.285 ms
Remote clock offset: -1.312 ms

Below is generated by plot.py at 2018-07-19 22:11:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 248.93 Mbit/s
95th percentile per-packet one-way delay: 71.946 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 148.79 Mbit/s
95th percentile per-packet one-way delay: 73.091 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 103.78 Mbit/s
95th percentile per-packet one-way delay: 66.938 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 110.19 Mbit/s
95th percentile per-packet one-way delay: 73.034 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

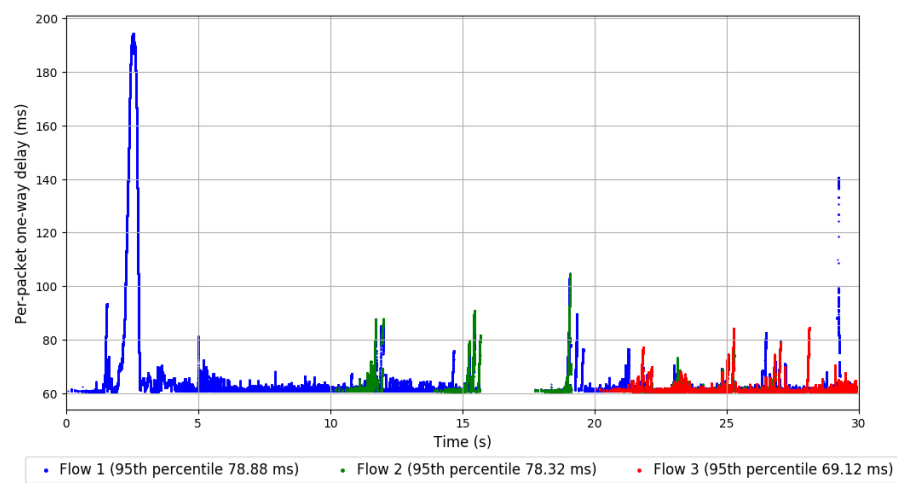
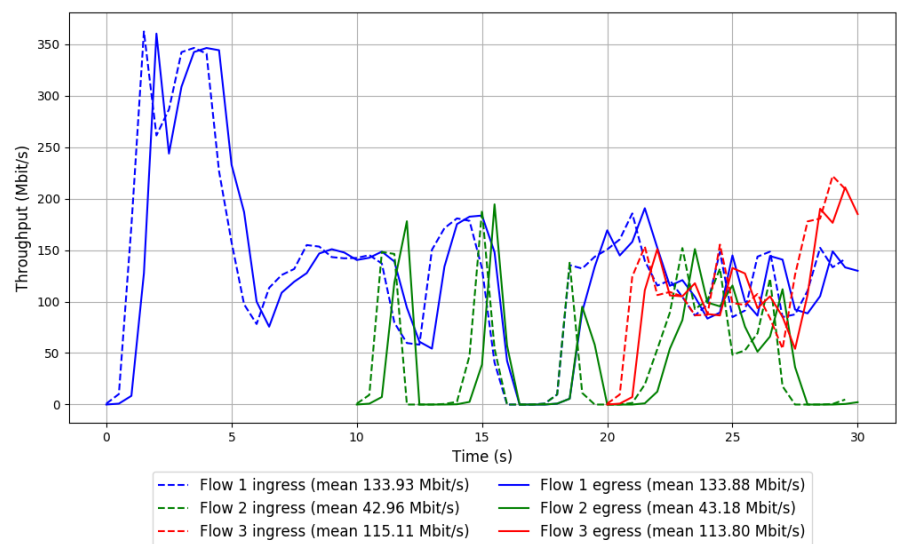


Run 9: Statistics of Copa

Start at: 2018-07-19 20:45:00
End at: 2018-07-19 20:45:30
Local clock offset: 0.318 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-19 22:11:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 200.06 Mbit/s
95th percentile per-packet one-way delay: 76.145 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 133.88 Mbit/s
95th percentile per-packet one-way delay: 78.876 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 43.18 Mbit/s
95th percentile per-packet one-way delay: 78.324 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 113.80 Mbit/s
95th percentile per-packet one-way delay: 69.124 ms
Loss rate: 2.35%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-19 21:10:18

End at: 2018-07-19 21:10:48

Local clock offset: 0.362 ms

Remote clock offset: 0.2 ms

Below is generated by plot.py at 2018-07-19 22:11:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 248.46 Mbit/s

95th percentile per-packet one-way delay: 72.990 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 165.36 Mbit/s

95th percentile per-packet one-way delay: 72.176 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 93.89 Mbit/s

95th percentile per-packet one-way delay: 71.389 ms

Loss rate: 0.00%

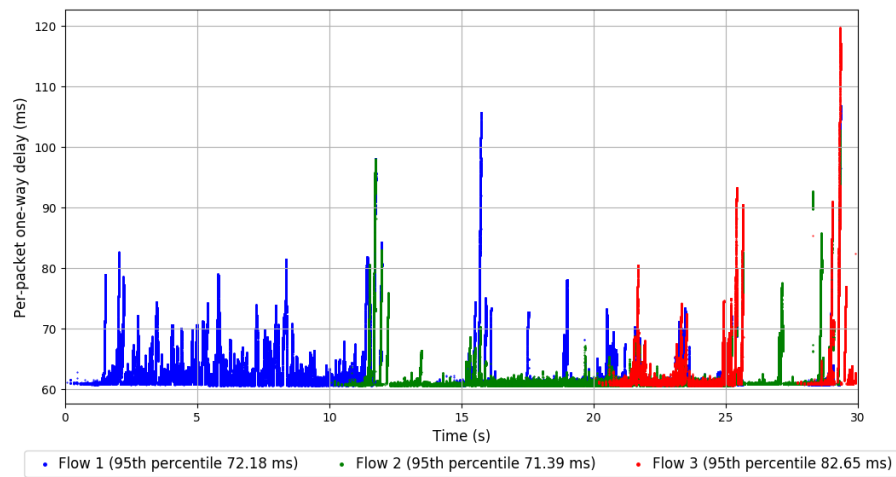
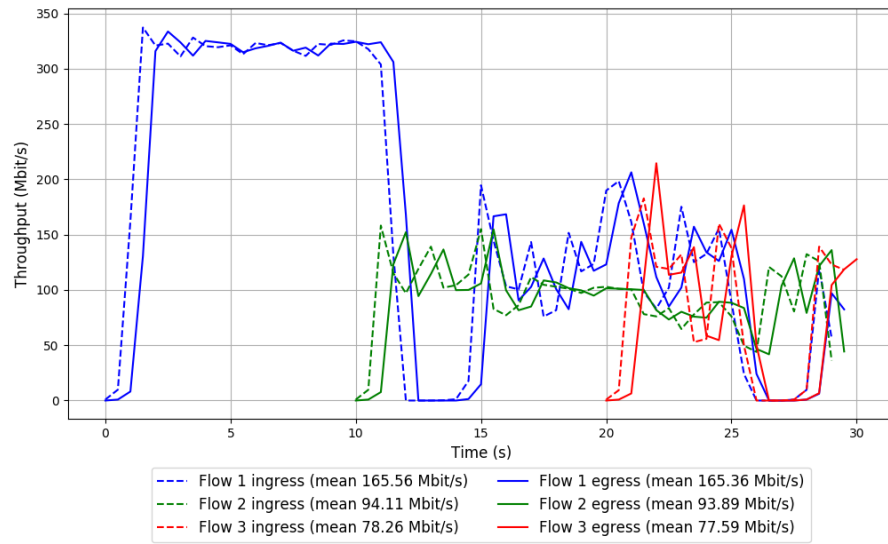
-- Flow 3:

Average throughput: 77.59 Mbit/s

95th percentile per-packet one-way delay: 82.647 ms

Loss rate: 2.09%

Run 10: Report of Copa — Data Link

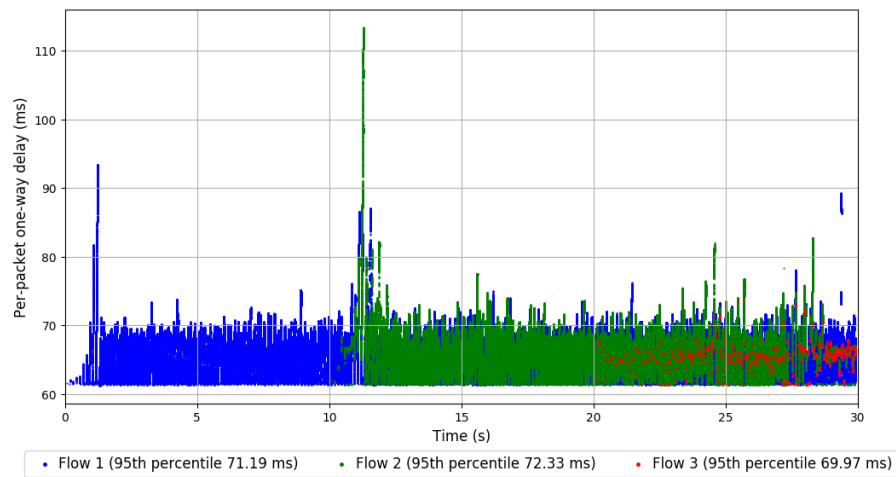
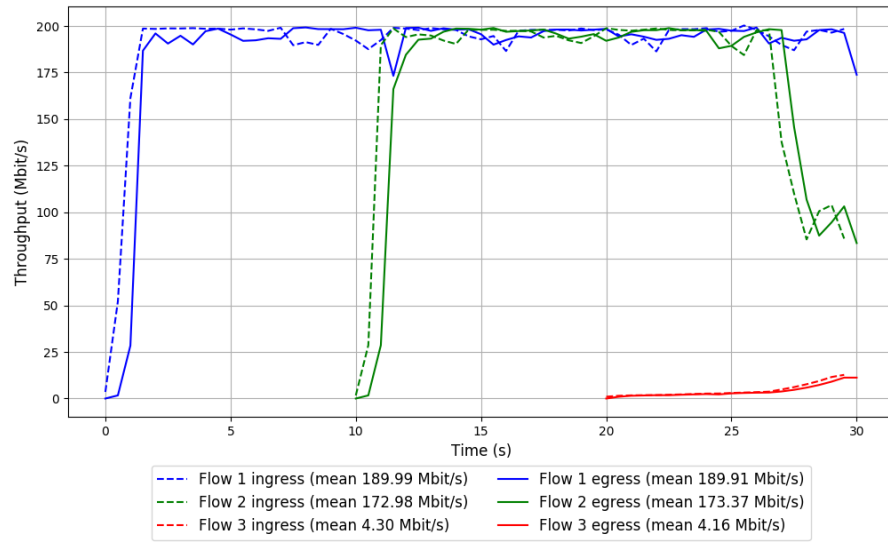


Run 1: Statistics of TCP Cubic

Start at: 2018-07-19 17:28:08
End at: 2018-07-19 17:28:38
Local clock offset: -0.01 ms
Remote clock offset: -0.239 ms

Below is generated by plot.py at 2018-07-19 22:11:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 306.52 Mbit/s
95th percentile per-packet one-way delay: 71.628 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 189.91 Mbit/s
95th percentile per-packet one-way delay: 71.195 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 173.37 Mbit/s
95th percentile per-packet one-way delay: 72.330 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 4.16 Mbit/s
95th percentile per-packet one-way delay: 69.967 ms
Loss rate: 4.40%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-19 17:53:22

End at: 2018-07-19 17:53:52

Local clock offset: 0.049 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-07-19 22:11:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 290.52 Mbit/s

95th percentile per-packet one-way delay: 82.338 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 118.56 Mbit/s

95th percentile per-packet one-way delay: 80.860 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 177.86 Mbit/s

95th percentile per-packet one-way delay: 82.051 ms

Loss rate: 0.70%

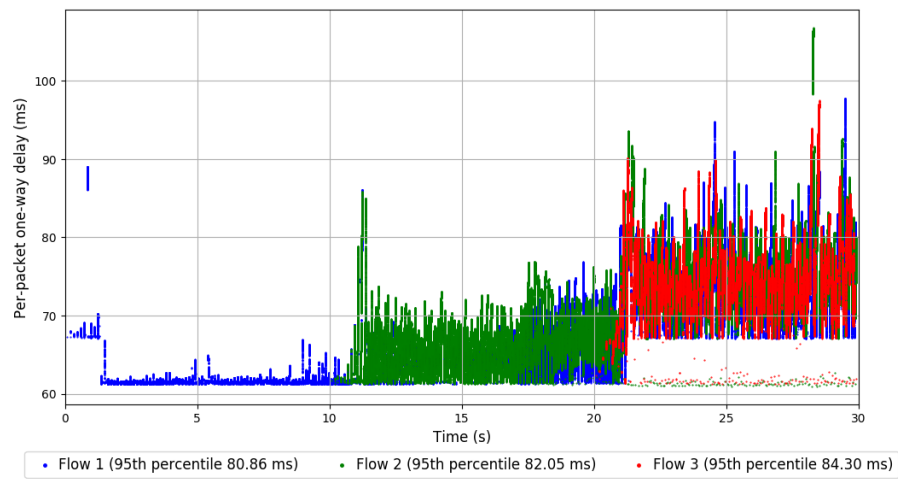
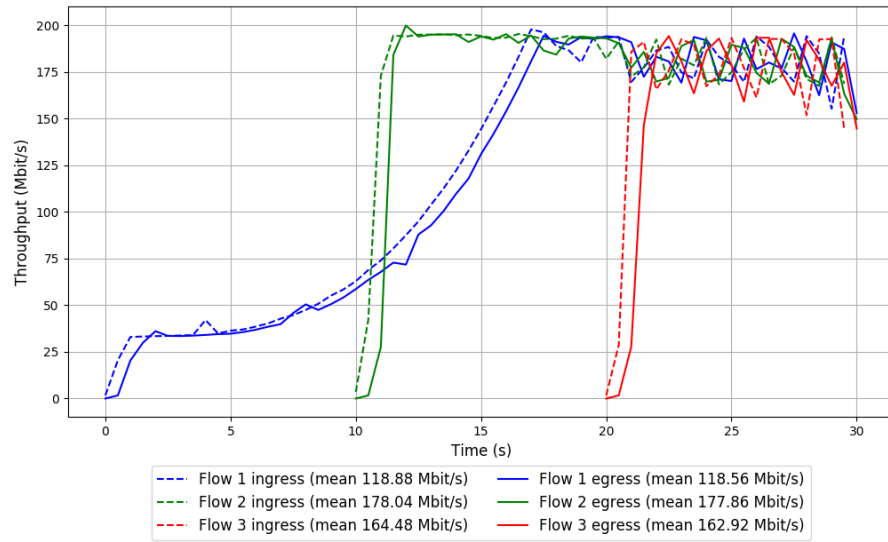
-- Flow 3:

Average throughput: 162.92 Mbit/s

95th percentile per-packet one-way delay: 84.302 ms

Loss rate: 1.49%

Run 2: Report of TCP Cubic — Data Link

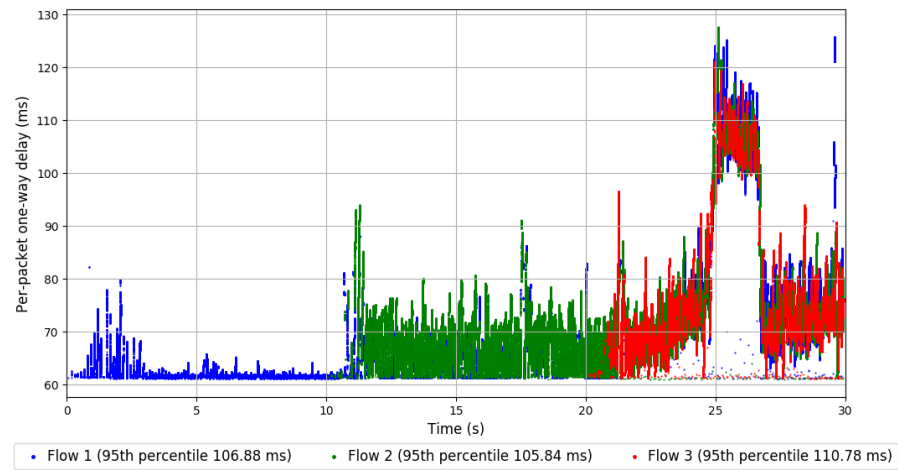
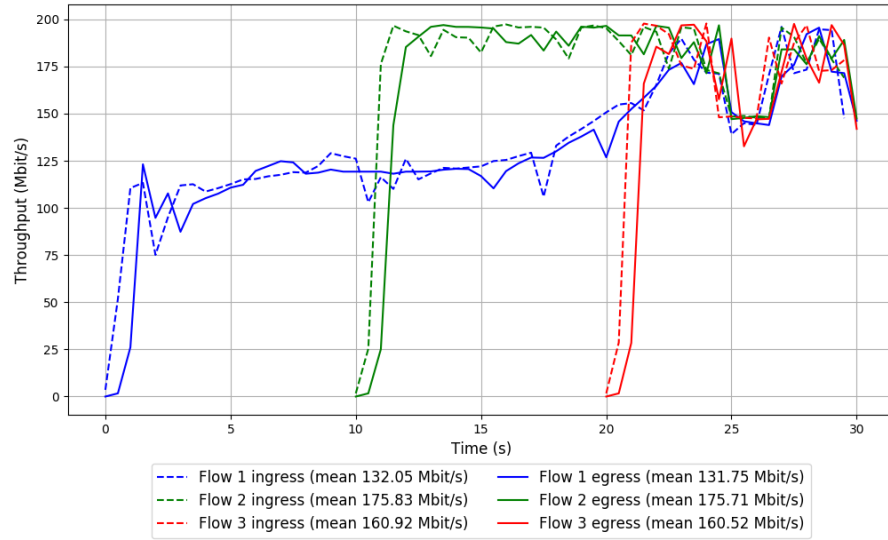


Run 3: Statistics of TCP Cubic

Start at: 2018-07-19 18:18:03
End at: 2018-07-19 18:18:33
Local clock offset: -0.036 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-07-19 22:11:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 301.30 Mbit/s
95th percentile per-packet one-way delay: 107.938 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 131.75 Mbit/s
95th percentile per-packet one-way delay: 106.882 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 175.71 Mbit/s
95th percentile per-packet one-way delay: 105.842 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 160.52 Mbit/s
95th percentile per-packet one-way delay: 110.778 ms
Loss rate: 1.49%

Run 3: Report of TCP Cubic — Data Link

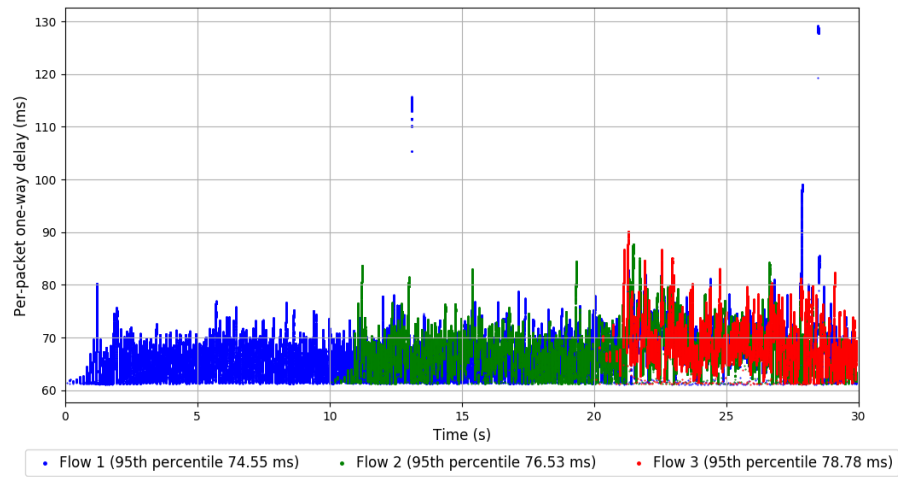
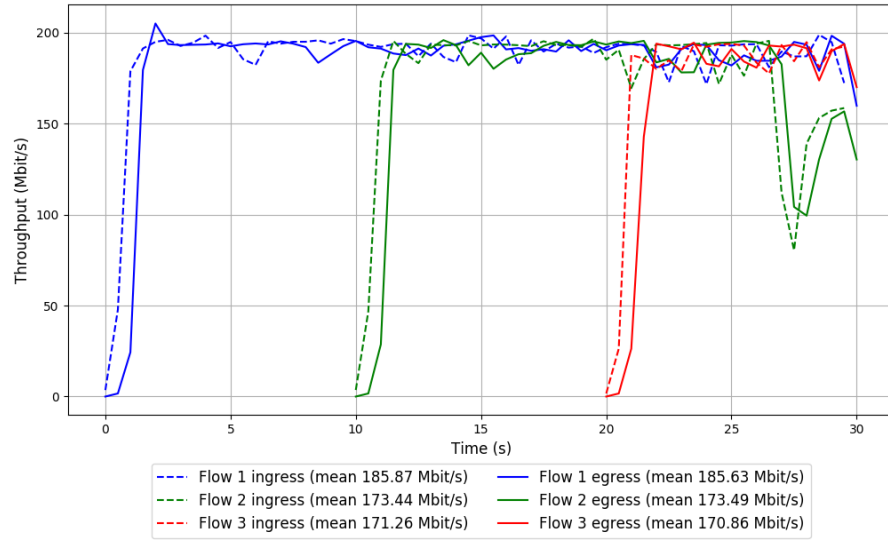


Run 4: Statistics of TCP Cubic

Start at: 2018-07-19 18:43:31
End at: 2018-07-19 18:44:01
Local clock offset: 0.072 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2018-07-19 22:12:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 357.25 Mbit/s
95th percentile per-packet one-way delay: 76.329 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 185.63 Mbit/s
95th percentile per-packet one-way delay: 74.547 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 173.49 Mbit/s
95th percentile per-packet one-way delay: 76.533 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 170.86 Mbit/s
95th percentile per-packet one-way delay: 78.784 ms
Loss rate: 1.42%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-19 19:08:54

End at: 2018-07-19 19:09:24

Local clock offset: 0.071 ms

Remote clock offset: 1.152 ms

Below is generated by plot.py at 2018-07-19 22:16:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 363.36 Mbit/s

95th percentile per-packet one-way delay: 76.275 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 185.65 Mbit/s

95th percentile per-packet one-way delay: 75.182 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 181.88 Mbit/s

95th percentile per-packet one-way delay: 77.057 ms

Loss rate: 0.67%

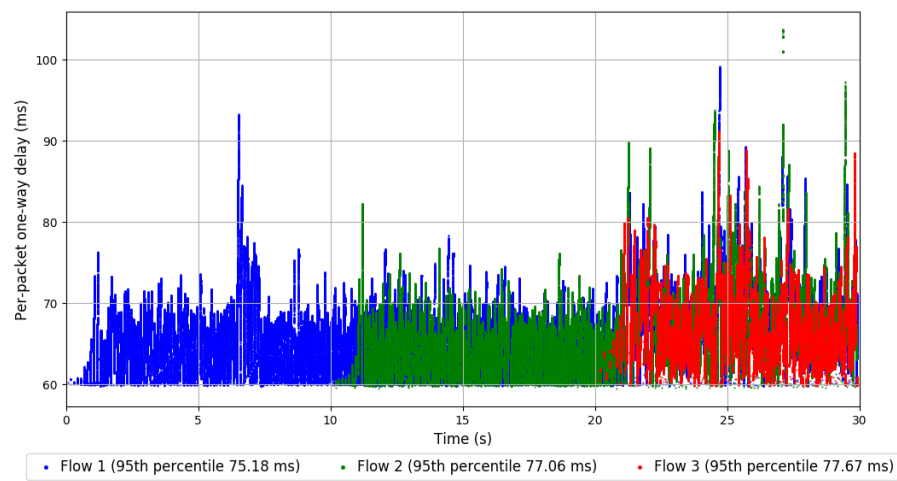
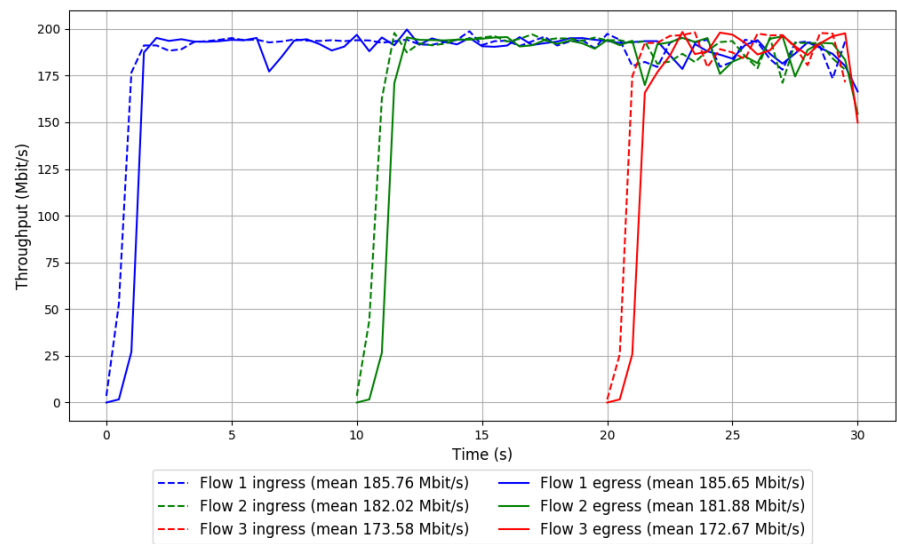
-- Flow 3:

Average throughput: 172.67 Mbit/s

95th percentile per-packet one-way delay: 77.668 ms

Loss rate: 1.34%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-19 19:34:27

End at: 2018-07-19 19:34:57

Local clock offset: 0.166 ms

Remote clock offset: 1.428 ms

Below is generated by plot.py at 2018-07-19 22:17:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 357.58 Mbit/s

95th percentile per-packet one-way delay: 80.945 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 182.51 Mbit/s

95th percentile per-packet one-way delay: 81.095 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 180.83 Mbit/s

95th percentile per-packet one-way delay: 79.115 ms

Loss rate: 0.68%

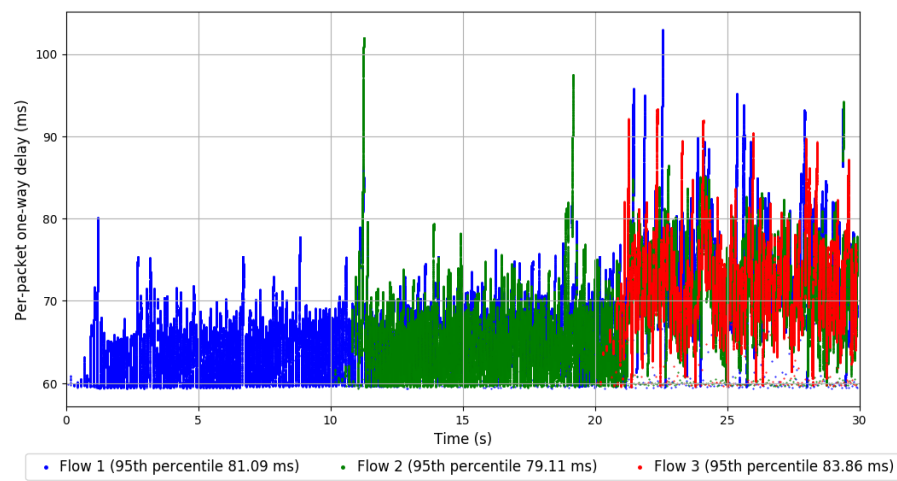
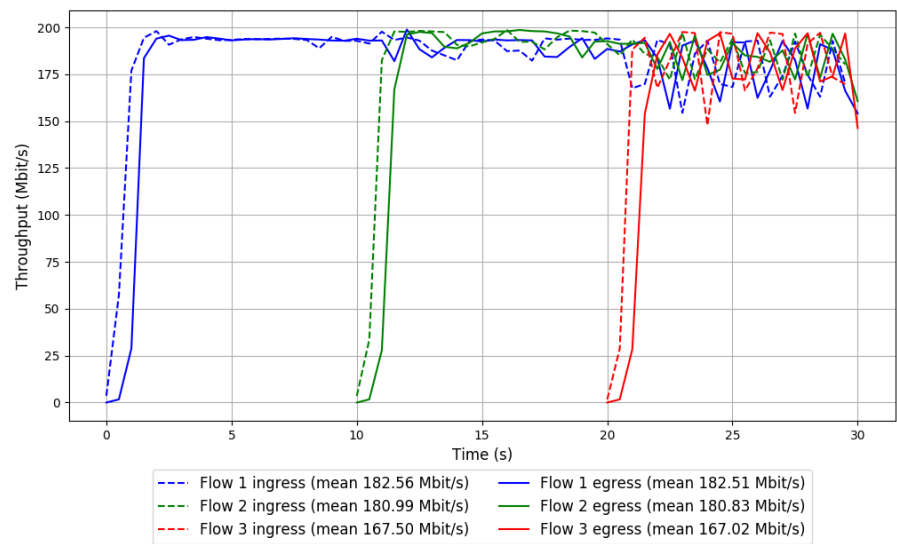
-- Flow 3:

Average throughput: 167.02 Mbit/s

95th percentile per-packet one-way delay: 83.865 ms

Loss rate: 1.48%

Run 6: Report of TCP Cubic — Data Link

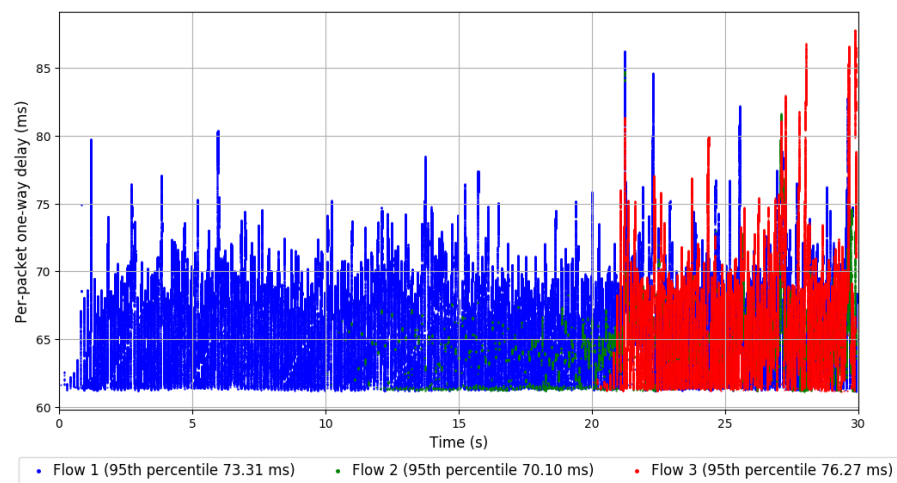
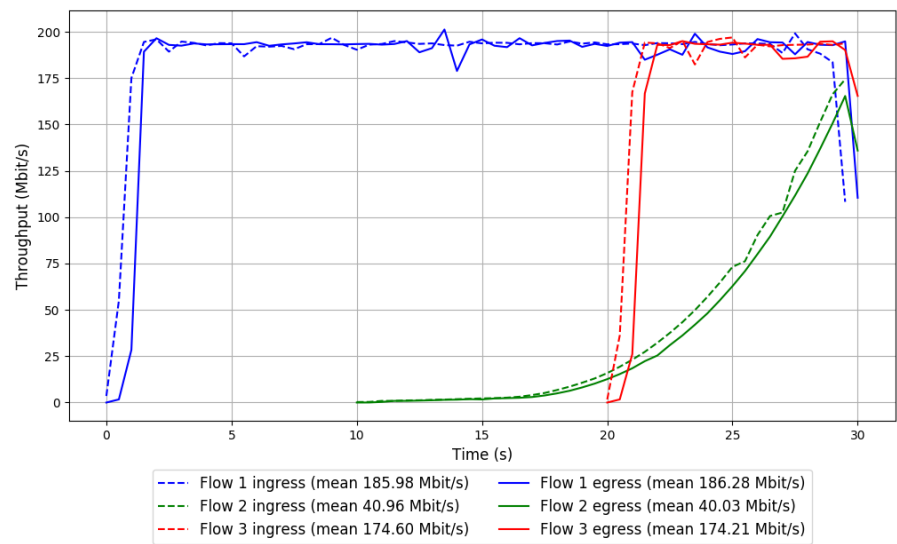


Run 7: Statistics of TCP Cubic

Start at: 2018-07-19 19:59:56
End at: 2018-07-19 20:00:26
Local clock offset: 0.201 ms
Remote clock offset: -0.205 ms

Below is generated by plot.py at 2018-07-19 22:17:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 270.36 Mbit/s
95th percentile per-packet one-way delay: 73.728 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 186.28 Mbit/s
95th percentile per-packet one-way delay: 73.312 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 40.03 Mbit/s
95th percentile per-packet one-way delay: 70.101 ms
Loss rate: 2.88%
-- Flow 3:
Average throughput: 174.21 Mbit/s
95th percentile per-packet one-way delay: 76.274 ms
Loss rate: 1.39%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-19 20:25:23

End at: 2018-07-19 20:25:53

Local clock offset: 0.183 ms

Remote clock offset: 1.249 ms

Below is generated by plot.py at 2018-07-19 22:18:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 359.40 Mbit/s

95th percentile per-packet one-way delay: 76.171 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 184.84 Mbit/s

95th percentile per-packet one-way delay: 76.234 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 181.31 Mbit/s

95th percentile per-packet one-way delay: 76.523 ms

Loss rate: 0.67%

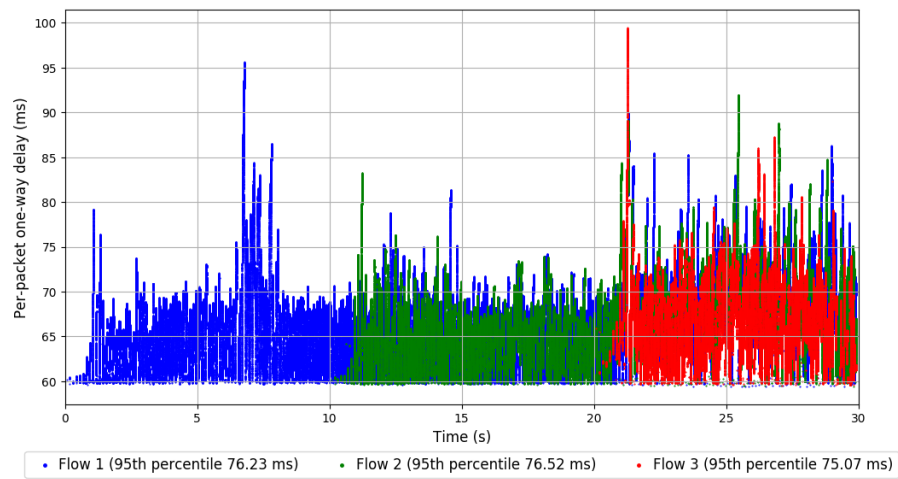
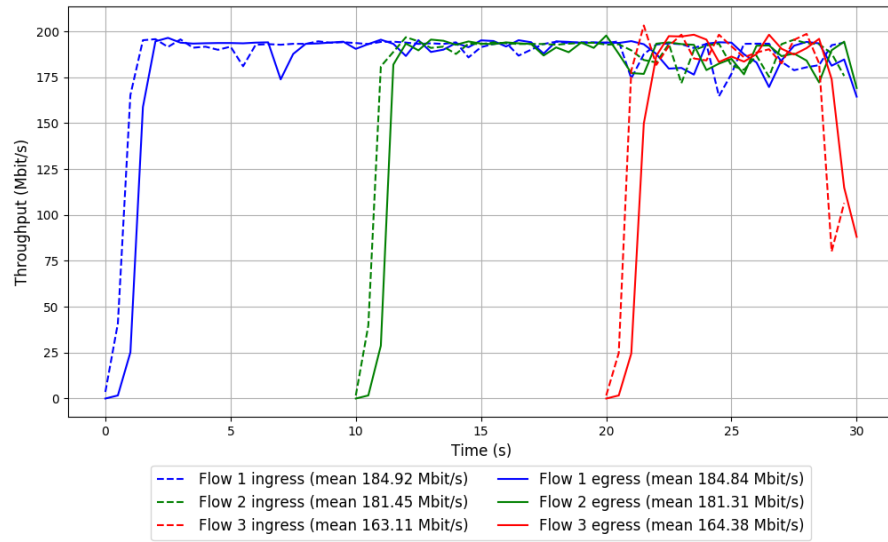
-- Flow 3:

Average throughput: 164.38 Mbit/s

95th percentile per-packet one-way delay: 75.069 ms

Loss rate: 0.57%

Run 8: Report of TCP Cubic — Data Link

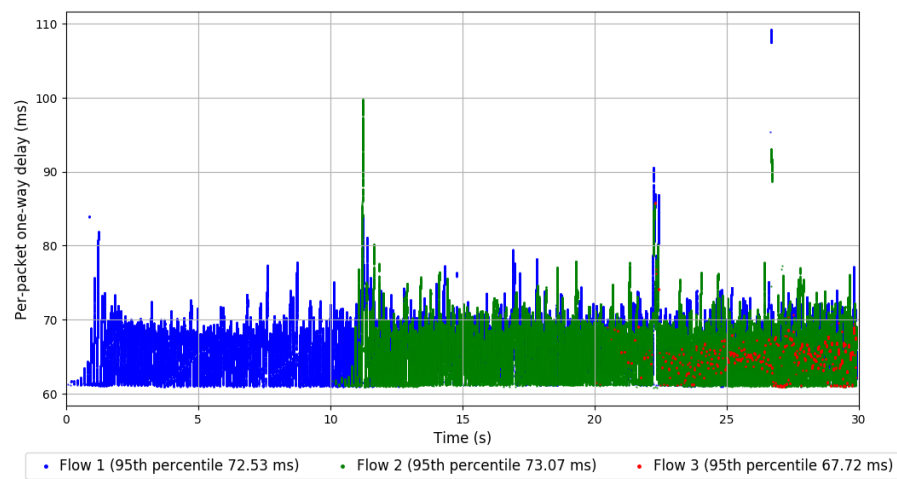
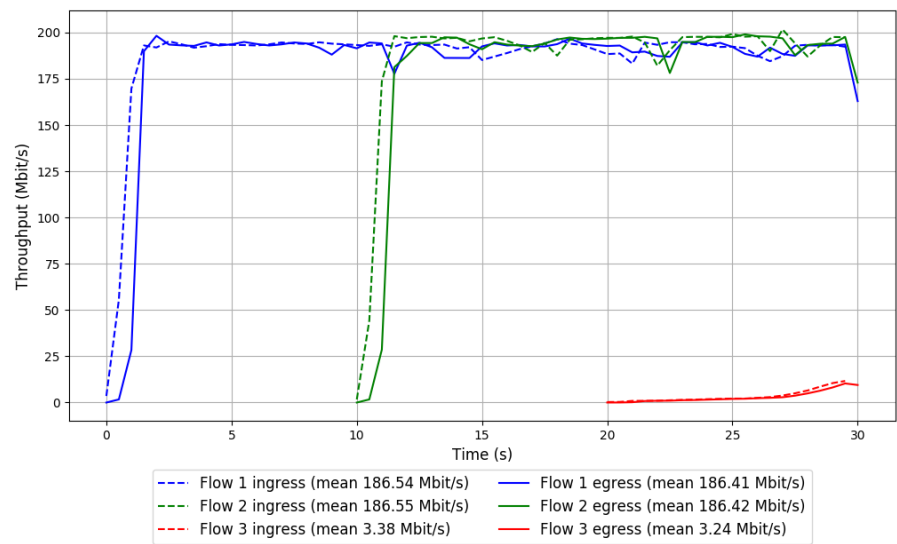


Run 9: Statistics of TCP Cubic

Start at: 2018-07-19 20:50:50
End at: 2018-07-19 20:51:20
Local clock offset: 0.3 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-07-19 22:18:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 311.34 Mbit/s
95th percentile per-packet one-way delay: 72.735 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 186.41 Mbit/s
95th percentile per-packet one-way delay: 72.526 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 186.42 Mbit/s
95th percentile per-packet one-way delay: 73.073 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 3.24 Mbit/s
95th percentile per-packet one-way delay: 67.719 ms
Loss rate: 5.45%

Run 9: Report of TCP Cubic — Data Link

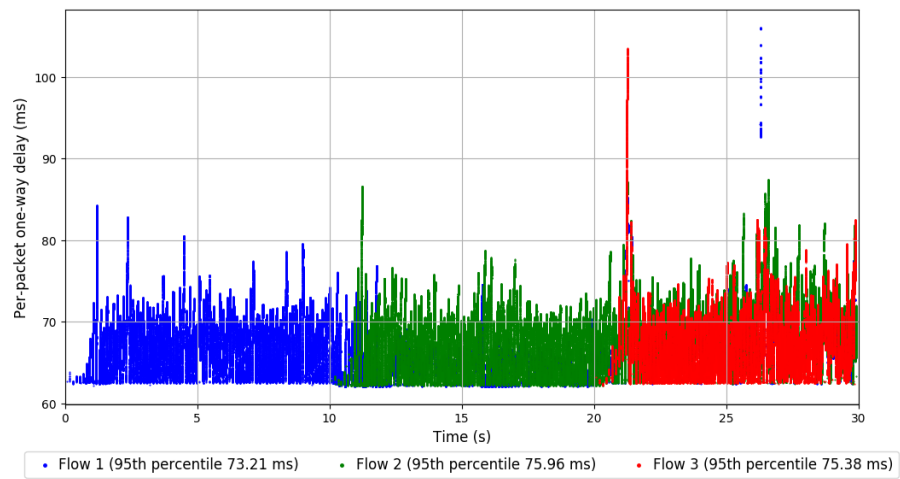
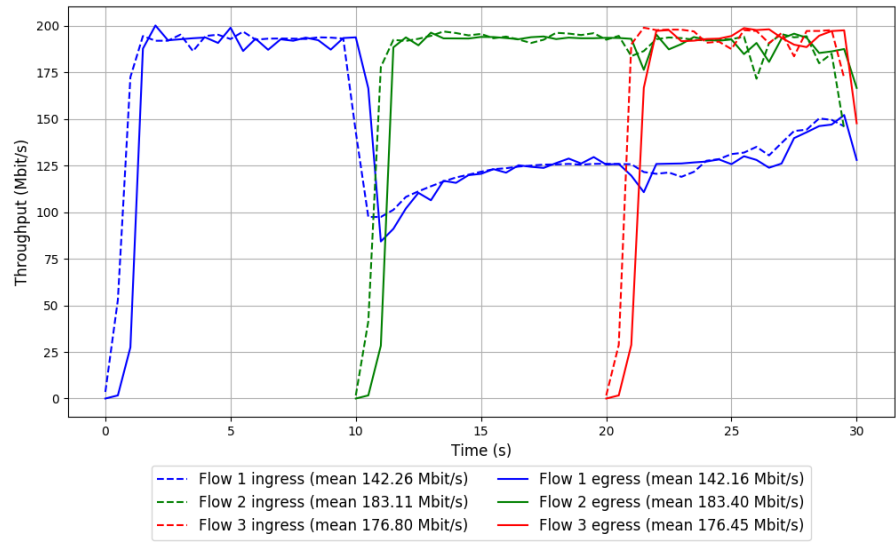


Run 10: Statistics of TCP Cubic

Start at: 2018-07-19 21:16:13
End at: 2018-07-19 21:16:43
Local clock offset: 0.362 ms
Remote clock offset: -1.375 ms

Below is generated by plot.py at 2018-07-19 22:18:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 321.99 Mbit/s
95th percentile per-packet one-way delay: 75.105 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 142.16 Mbit/s
95th percentile per-packet one-way delay: 73.209 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 183.40 Mbit/s
95th percentile per-packet one-way delay: 75.962 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 176.45 Mbit/s
95th percentile per-packet one-way delay: 75.384 ms
Loss rate: 1.40%

Run 10: Report of TCP Cubic — Data Link

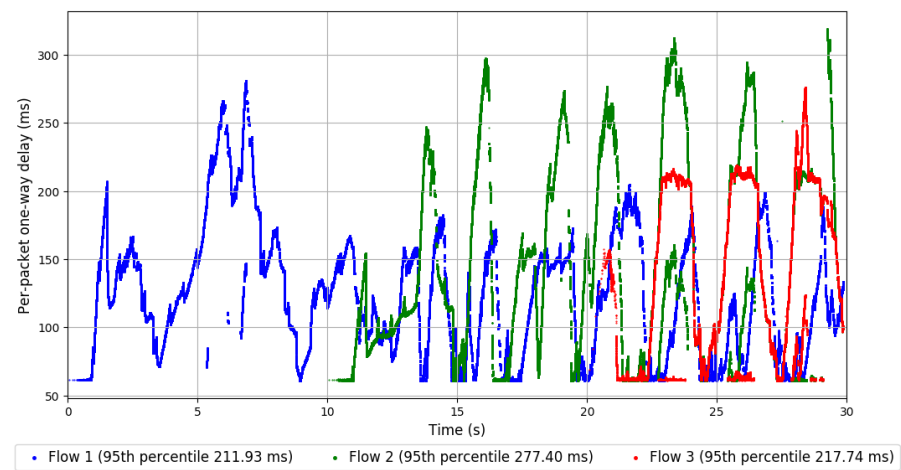
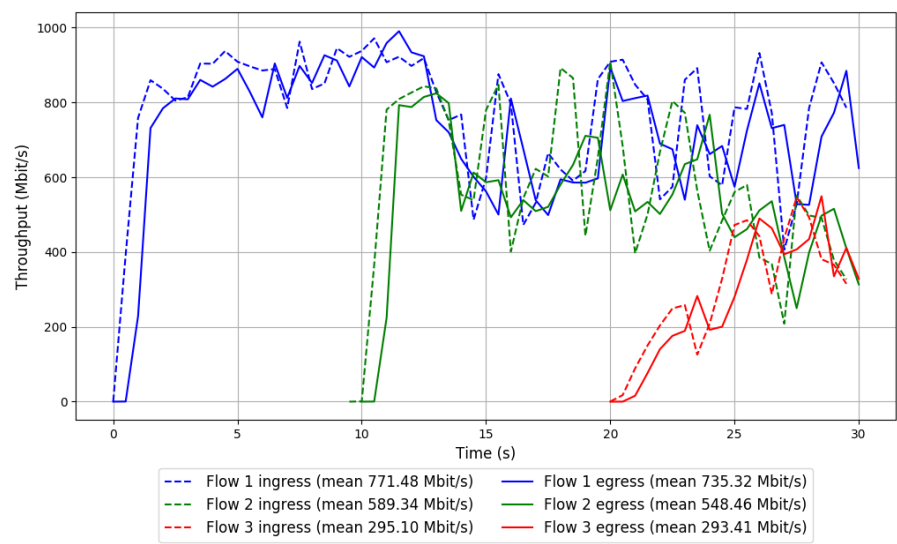


Run 1: Statistics of FillP

Start at: 2018-07-19 17:26:07
End at: 2018-07-19 17:26:37
Local clock offset: -0.033 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-19 22:43:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 1196.17 Mbit/s
95th percentile per-packet one-way delay: 246.765 ms
Loss rate: 5.59%
-- Flow 1:
Average throughput: 735.32 Mbit/s
95th percentile per-packet one-way delay: 211.929 ms
Loss rate: 5.08%
-- Flow 2:
Average throughput: 548.46 Mbit/s
95th percentile per-packet one-way delay: 277.404 ms
Loss rate: 7.52%
-- Flow 3:
Average throughput: 293.41 Mbit/s
95th percentile per-packet one-way delay: 217.742 ms
Loss rate: 1.90%

Run 1: Report of FillP — Data Link

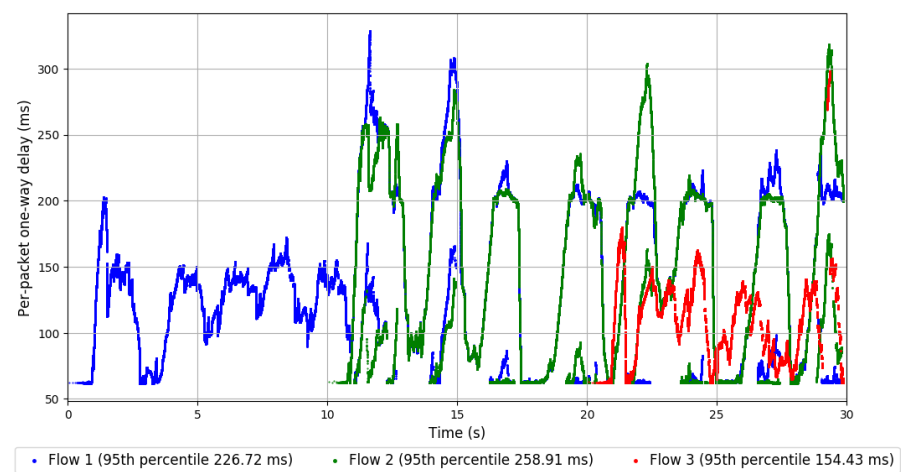
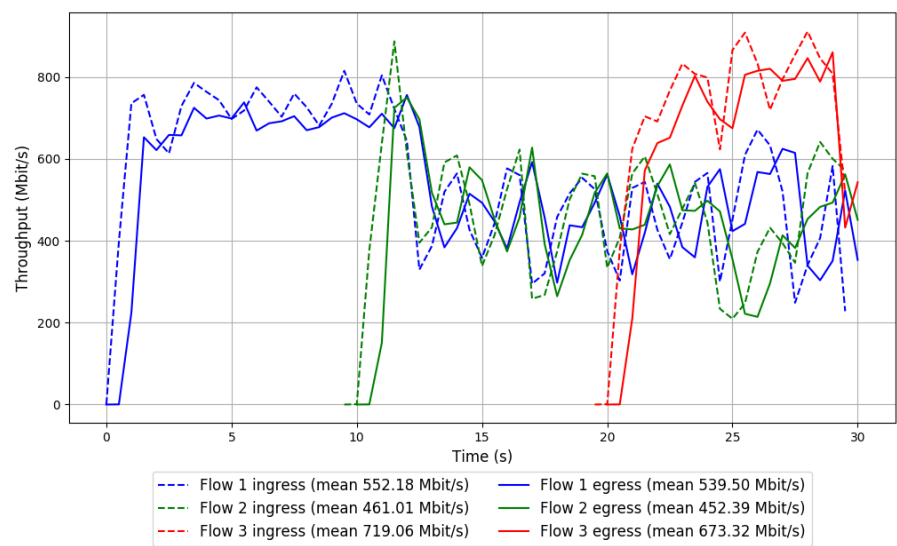


Run 2: Statistics of FillP

Start at: 2018-07-19 17:51:26
End at: 2018-07-19 17:51:56
Local clock offset: -0.006 ms
Remote clock offset: -1.137 ms

Below is generated by plot.py at 2018-07-19 22:43:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 1061.84 Mbit/s
95th percentile per-packet one-way delay: 246.069 ms
Loss rate: 3.67%
-- Flow 1:
Average throughput: 539.50 Mbit/s
95th percentile per-packet one-way delay: 226.717 ms
Loss rate: 2.69%
-- Flow 2:
Average throughput: 452.39 Mbit/s
95th percentile per-packet one-way delay: 258.913 ms
Loss rate: 2.46%
-- Flow 3:
Average throughput: 673.32 Mbit/s
95th percentile per-packet one-way delay: 154.425 ms
Loss rate: 7.51%

Run 2: Report of FillP — Data Link

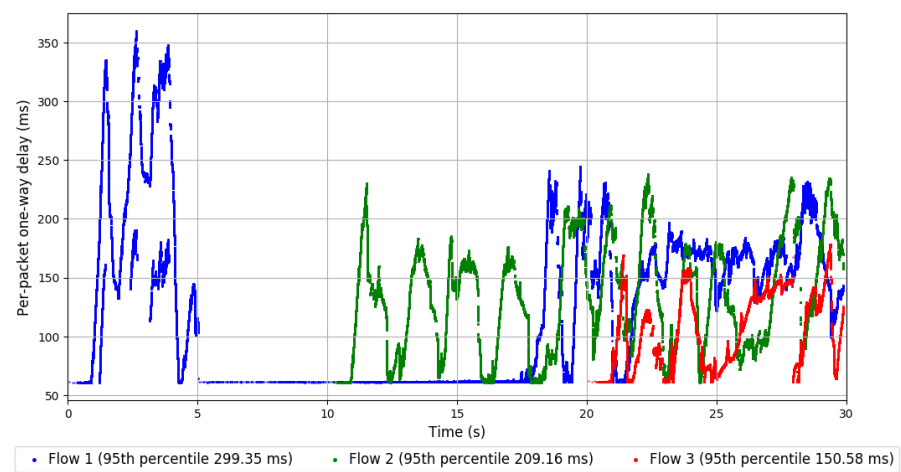
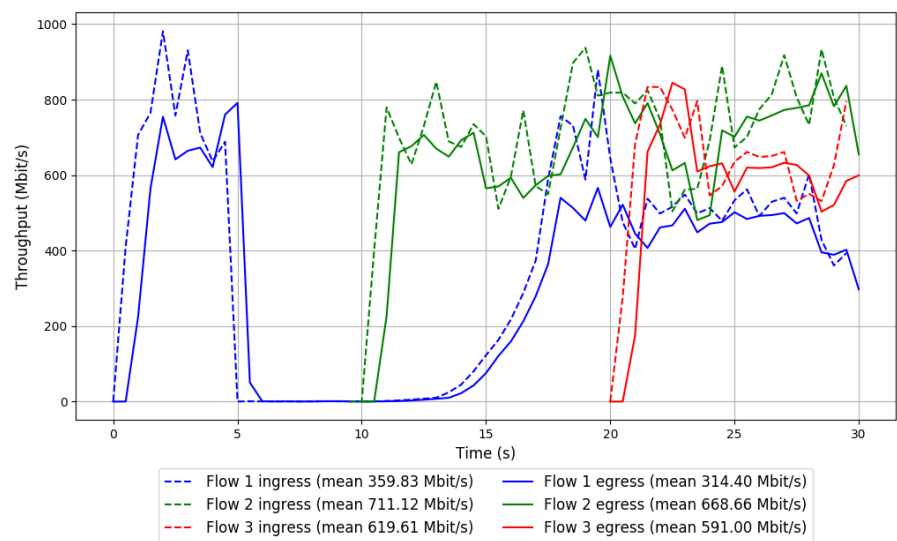


Run 3: Statistics of FillP

Start at: 2018-07-19 18:16:11
End at: 2018-07-19 18:16:41
Local clock offset: -0.062 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-07-19 22:43:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 953.17 Mbit/s
95th percentile per-packet one-way delay: 227.568 ms
Loss rate: 8.63%
-- Flow 1:
Average throughput: 314.40 Mbit/s
95th percentile per-packet one-way delay: 299.354 ms
Loss rate: 12.98%
-- Flow 2:
Average throughput: 668.66 Mbit/s
95th percentile per-packet one-way delay: 209.155 ms
Loss rate: 6.56%
-- Flow 3:
Average throughput: 591.00 Mbit/s
95th percentile per-packet one-way delay: 150.581 ms
Loss rate: 5.80%

Run 3: Report of FillP — Data Link

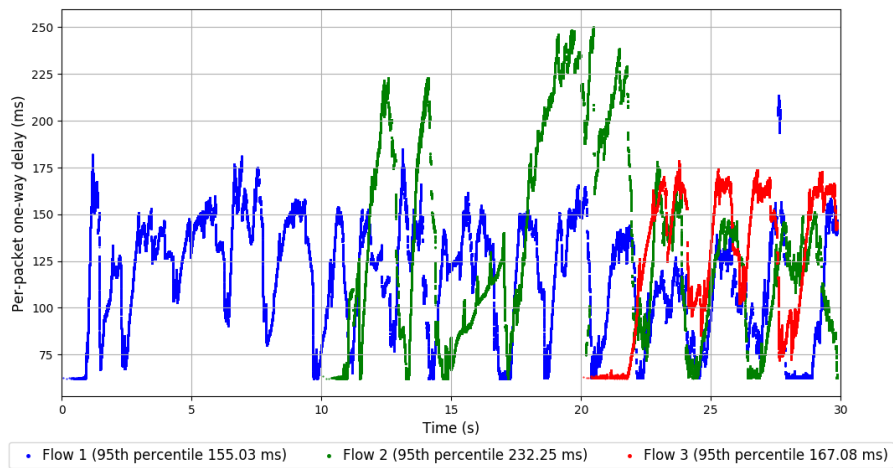
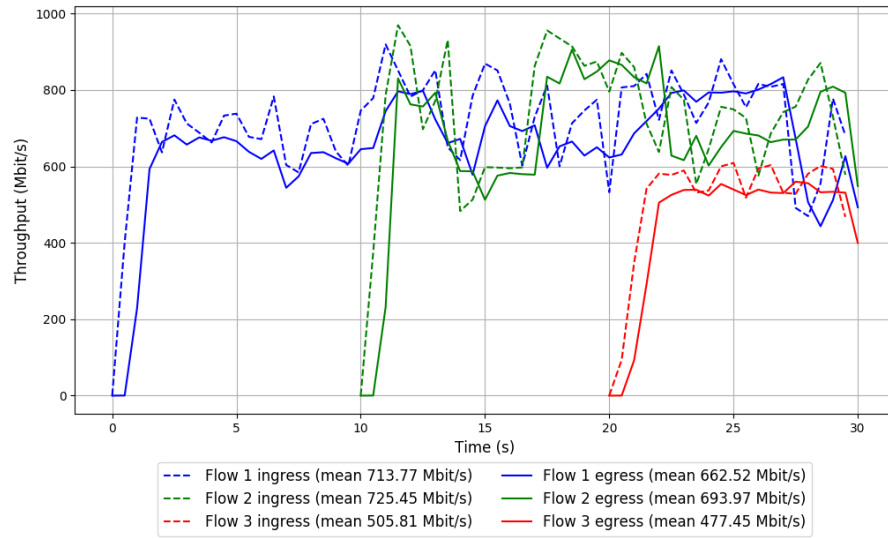


Run 4: Statistics of FillP

Start at: 2018-07-19 18:41:25
End at: 2018-07-19 18:41:55
Local clock offset: -0.004 ms
Remote clock offset: -1.458 ms

Below is generated by plot.py at 2018-07-19 22:51:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 1280.06 Mbit/s
95th percentile per-packet one-way delay: 211.670 ms
Loss rate: 6.55%
-- Flow 1:
Average throughput: 662.52 Mbit/s
95th percentile per-packet one-way delay: 155.029 ms
Loss rate: 7.56%
-- Flow 2:
Average throughput: 693.97 Mbit/s
95th percentile per-packet one-way delay: 232.255 ms
Loss rate: 4.98%
-- Flow 3:
Average throughput: 477.45 Mbit/s
95th percentile per-packet one-way delay: 167.078 ms
Loss rate: 6.78%

Run 4: Report of FillP — Data Link

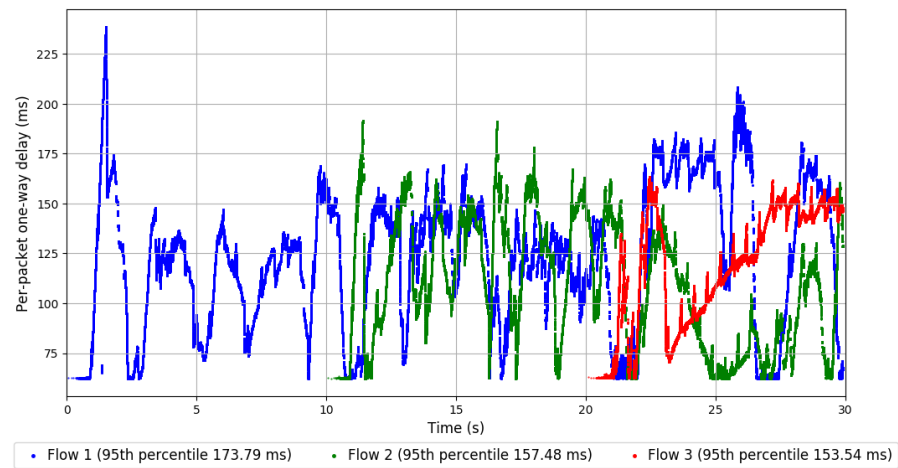
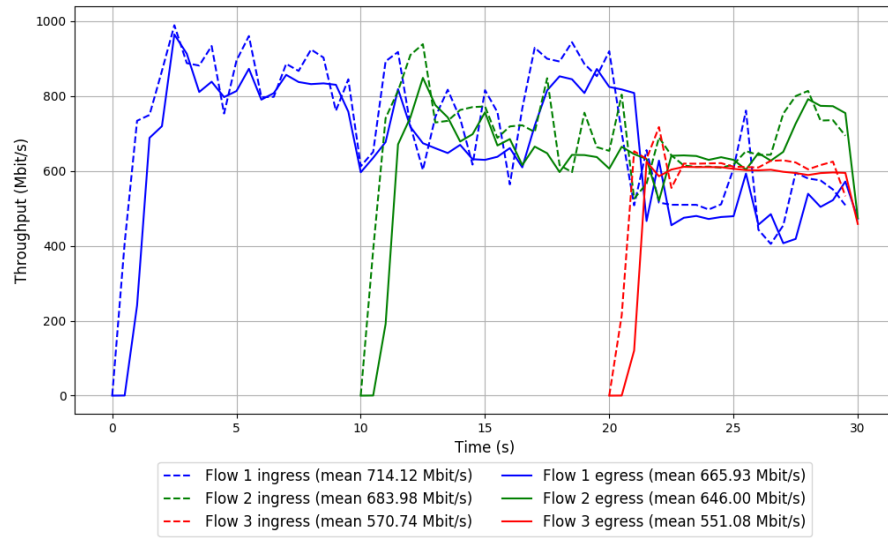


Run 5: Statistics of FillP

Start at: 2018-07-19 19:06:50
End at: 2018-07-19 19:07:20
Local clock offset: 0.075 ms
Remote clock offset: -1.337 ms

Below is generated by plot.py at 2018-07-19 22:52:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 1276.39 Mbit/s
95th percentile per-packet one-way delay: 165.597 ms
Loss rate: 6.43%
-- Flow 1:
Average throughput: 665.93 Mbit/s
95th percentile per-packet one-way delay: 173.791 ms
Loss rate: 7.11%
-- Flow 2:
Average throughput: 646.00 Mbit/s
95th percentile per-packet one-way delay: 157.477 ms
Loss rate: 6.12%
-- Flow 3:
Average throughput: 551.08 Mbit/s
95th percentile per-packet one-way delay: 153.545 ms
Loss rate: 4.62%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-19 19:32:21

End at: 2018-07-19 19:32:51

Local clock offset: 0.146 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2018-07-19 22:52:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 1291.68 Mbit/s

95th percentile per-packet one-way delay: 239.365 ms

Loss rate: 5.91%

-- Flow 1:

Average throughput: 698.53 Mbit/s

95th percentile per-packet one-way delay: 223.962 ms

Loss rate: 4.59%

-- Flow 2:

Average throughput: 617.25 Mbit/s

95th percentile per-packet one-way delay: 283.602 ms

Loss rate: 6.56%

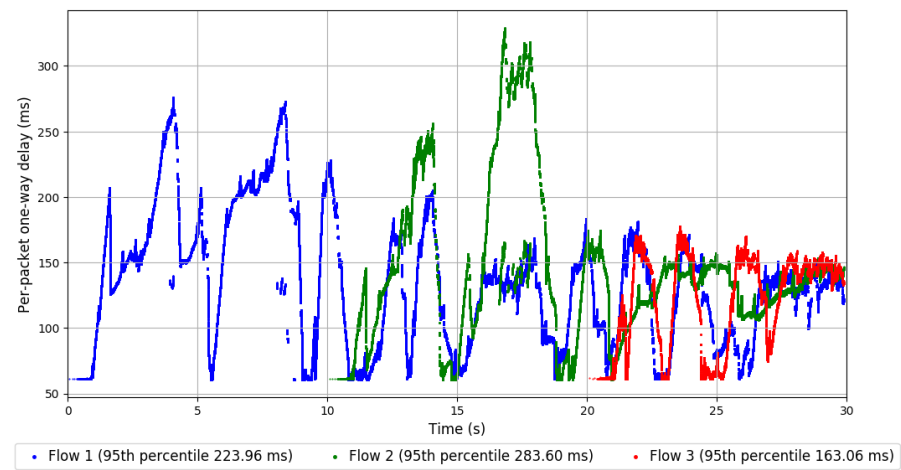
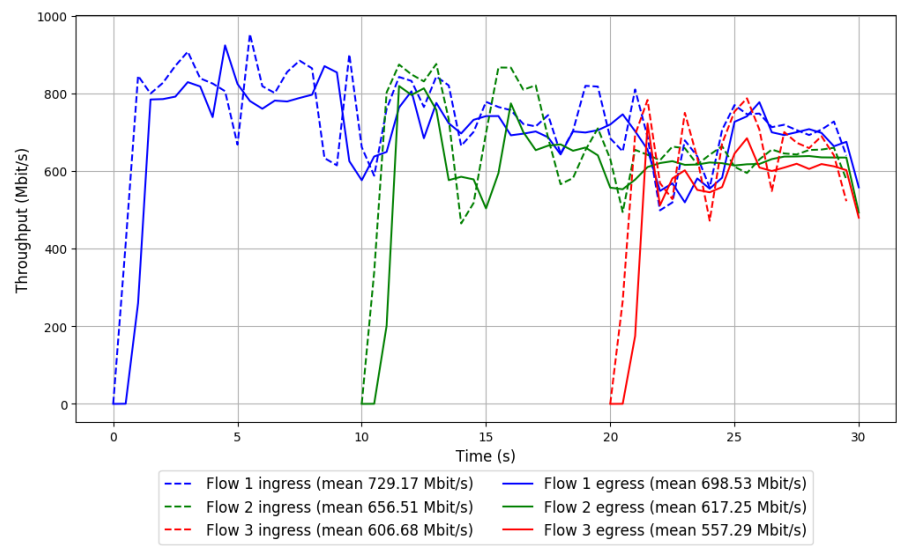
-- Flow 3:

Average throughput: 557.29 Mbit/s

95th percentile per-packet one-way delay: 163.055 ms

Loss rate: 9.26%

Run 6: Report of FillP — Data Link

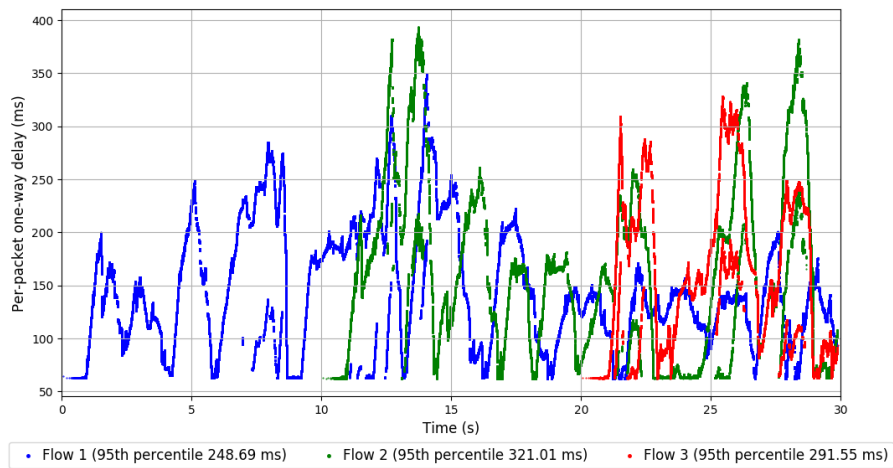
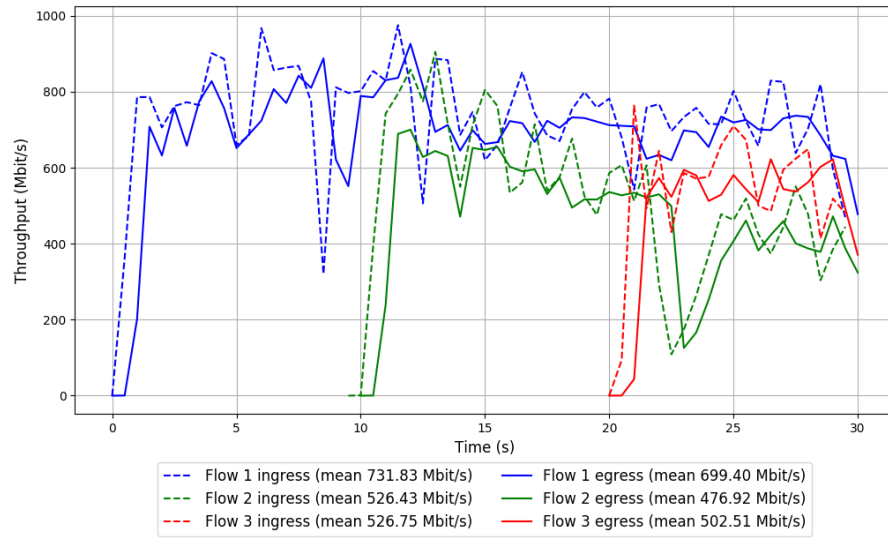


Run 7: Statistics of FillP

Start at: 2018-07-19 19:57:55
End at: 2018-07-19 19:58:25
Local clock offset: 0.208 ms
Remote clock offset: -1.457 ms

Below is generated by plot.py at 2018-07-19 22:52:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 1181.78 Mbit/s
95th percentile per-packet one-way delay: 276.422 ms
Loss rate: 6.40%
-- Flow 1:
Average throughput: 699.40 Mbit/s
95th percentile per-packet one-way delay: 248.695 ms
Loss rate: 4.83%
-- Flow 2:
Average throughput: 476.92 Mbit/s
95th percentile per-packet one-way delay: 321.009 ms
Loss rate: 9.97%
-- Flow 3:
Average throughput: 502.51 Mbit/s
95th percentile per-packet one-way delay: 291.550 ms
Loss rate: 5.78%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-19 20:23:21

End at: 2018-07-19 20:23:51

Local clock offset: 0.255 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-19 22:52:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 1198.85 Mbit/s

95th percentile per-packet one-way delay: 257.947 ms

Loss rate: 6.61%

-- Flow 1:

Average throughput: 668.35 Mbit/s

95th percentile per-packet one-way delay: 167.839 ms

Loss rate: 6.00%

-- Flow 2:

Average throughput: 559.80 Mbit/s

95th percentile per-packet one-way delay: 283.731 ms

Loss rate: 9.25%

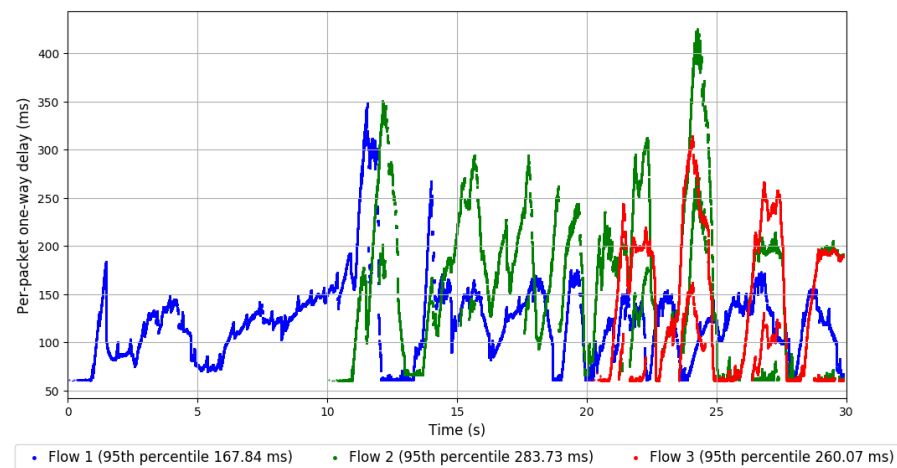
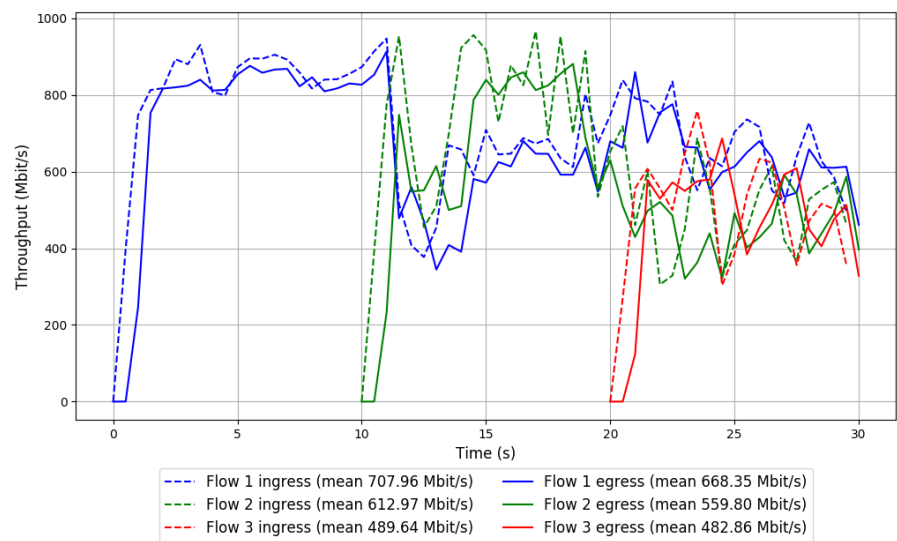
-- Flow 3:

Average throughput: 482.86 Mbit/s

95th percentile per-packet one-way delay: 260.073 ms

Loss rate: 2.64%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-19 20:48:46

End at: 2018-07-19 20:49:16

Local clock offset: 0.287 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-07-19 23:17:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 1261.24 Mbit/s

95th percentile per-packet one-way delay: 171.816 ms

Loss rate: 6.24%

-- Flow 1:

Average throughput: 675.15 Mbit/s

95th percentile per-packet one-way delay: 161.612 ms

Loss rate: 4.80%

-- Flow 2:

Average throughput: 644.13 Mbit/s

95th percentile per-packet one-way delay: 174.280 ms

Loss rate: 7.28%

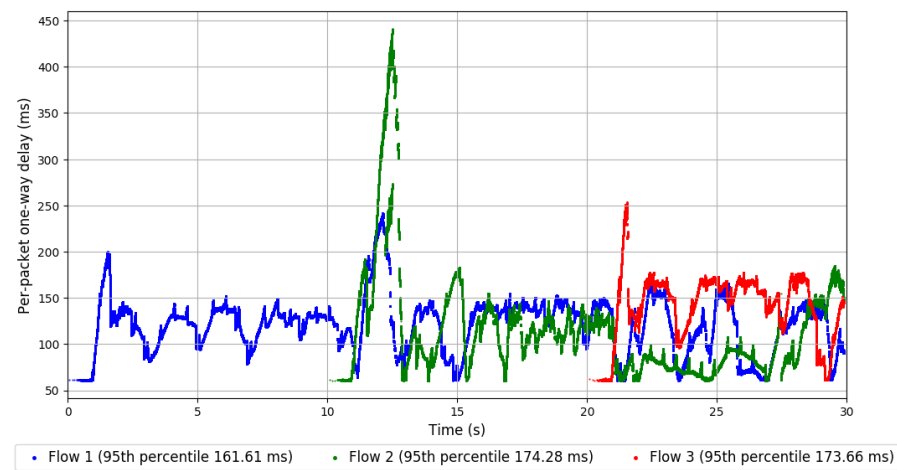
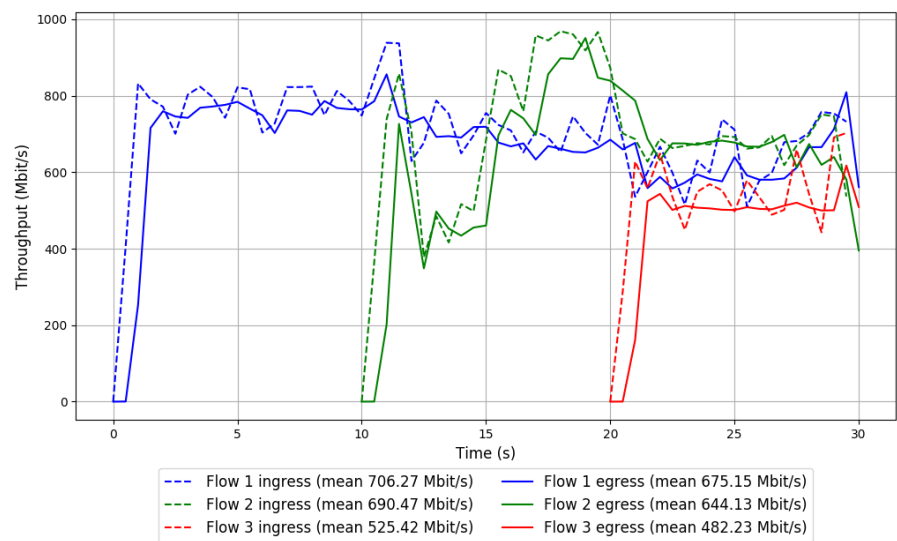
-- Flow 3:

Average throughput: 482.23 Mbit/s

95th percentile per-packet one-way delay: 173.656 ms

Loss rate: 9.37%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-19 21:14:08

End at: 2018-07-19 21:14:38

Local clock offset: 0.39 ms

Remote clock offset: 1.253 ms

Below is generated by plot.py at 2018-07-19 23:17:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 1260.92 Mbit/s

95th percentile per-packet one-way delay: 181.741 ms

Loss rate: 7.40%

-- Flow 1:

Average throughput: 692.01 Mbit/s

95th percentile per-packet one-way delay: 156.703 ms

Loss rate: 7.13%

-- Flow 2:

Average throughput: 529.51 Mbit/s

95th percentile per-packet one-way delay: 209.262 ms

Loss rate: 8.21%

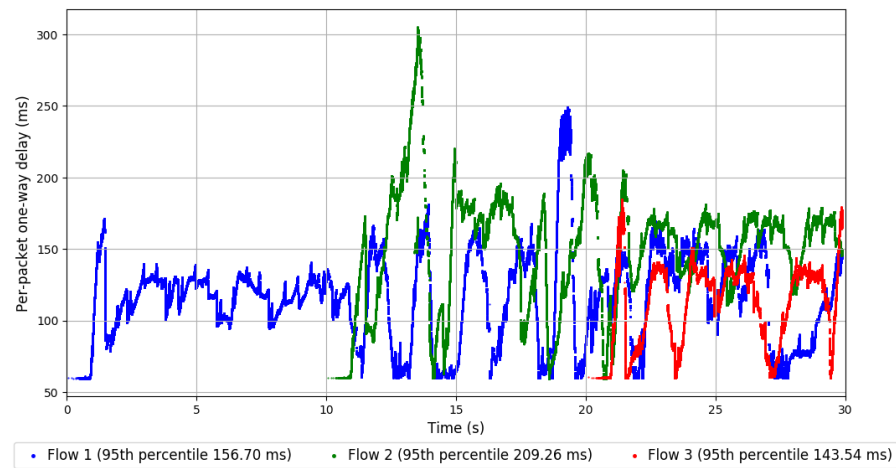
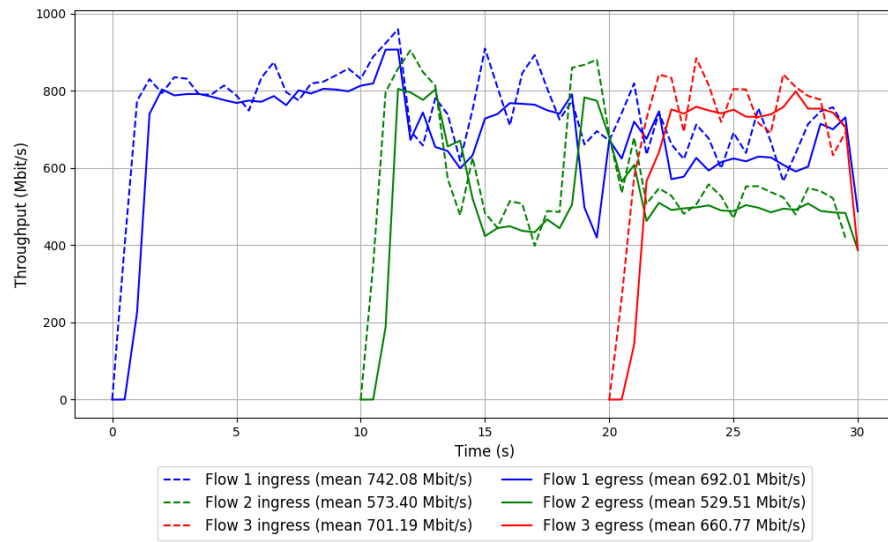
-- Flow 3:

Average throughput: 660.77 Mbit/s

95th percentile per-packet one-way delay: 143.541 ms

Loss rate: 6.94%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

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

End at: 2018-07-19 17:19:37

Local clock offset: -0.04 ms

Remote clock offset: 0.158 ms

Below is generated by plot.py at 2018-07-19 23:17:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 1212.17 Mbit/s

95th percentile per-packet one-way delay: 148.498 ms

Loss rate: 1.57%

-- Flow 1:

Average throughput: 632.73 Mbit/s

95th percentile per-packet one-way delay: 153.020 ms

Loss rate: 1.57%

-- Flow 2:

Average throughput: 589.42 Mbit/s

95th percentile per-packet one-way delay: 149.883 ms

Loss rate: 1.58%

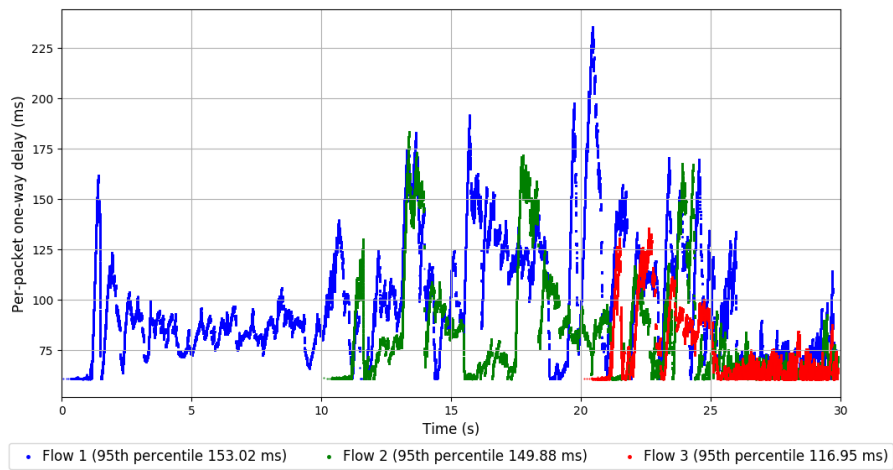
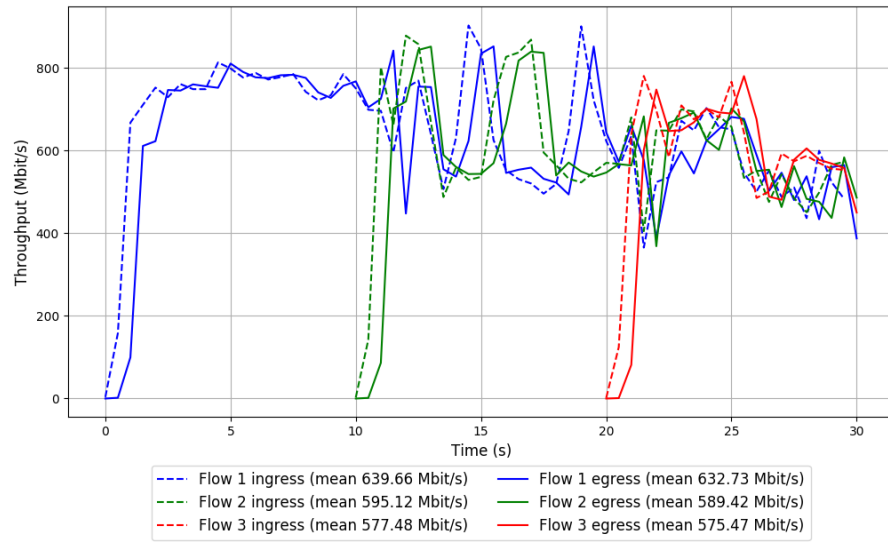
-- Flow 3:

Average throughput: 575.47 Mbit/s

95th percentile per-packet one-way delay: 116.946 ms

Loss rate: 1.59%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-19 17:44:37

End at: 2018-07-19 17:45:07

Local clock offset: -0.022 ms

Remote clock offset: 0.233 ms

Below is generated by plot.py at 2018-07-19 23:21:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 1161.02 Mbit/s

95th percentile per-packet one-way delay: 158.952 ms

Loss rate: 2.42%

-- Flow 1:

Average throughput: 608.57 Mbit/s

95th percentile per-packet one-way delay: 163.737 ms

Loss rate: 3.01%

-- Flow 2:

Average throughput: 586.22 Mbit/s

95th percentile per-packet one-way delay: 133.869 ms

Loss rate: 1.13%

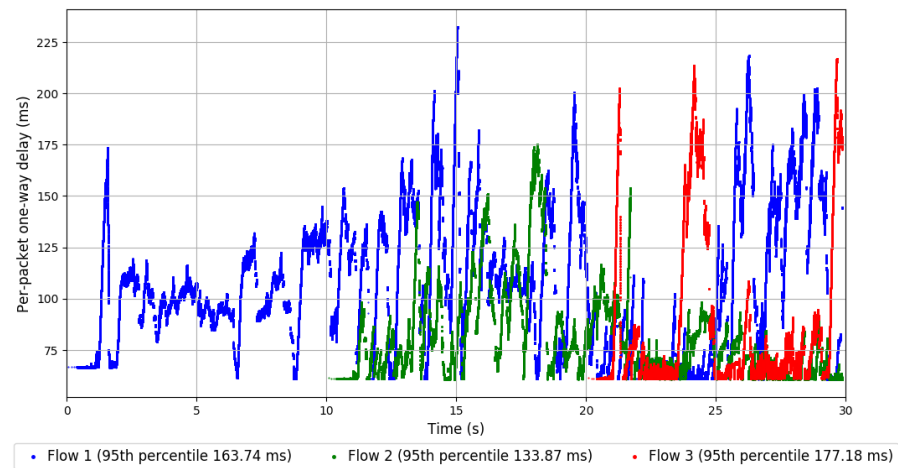
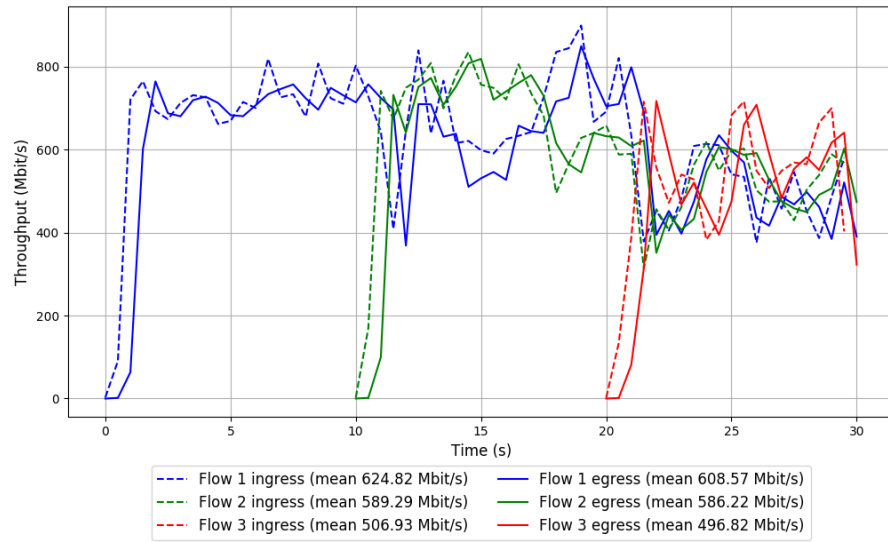
-- Flow 3:

Average throughput: 496.82 Mbit/s

95th percentile per-packet one-way delay: 177.175 ms

Loss rate: 3.22%

Run 2: Report of FillP-Sheep — Data Link

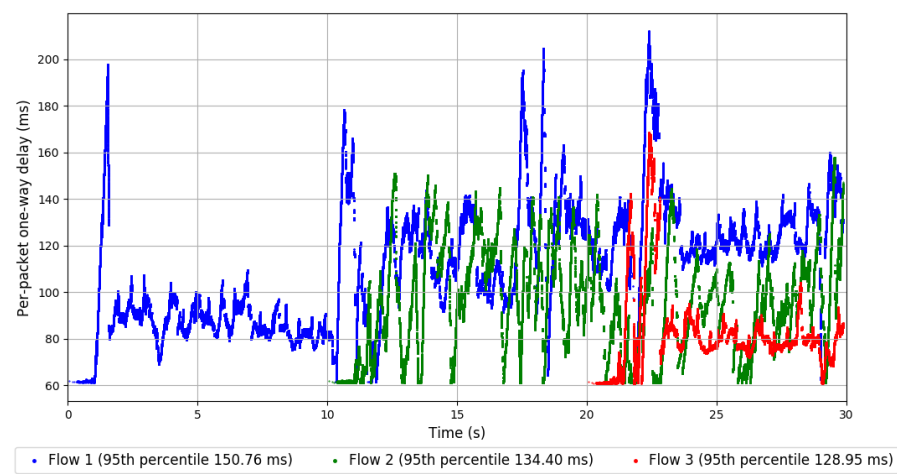
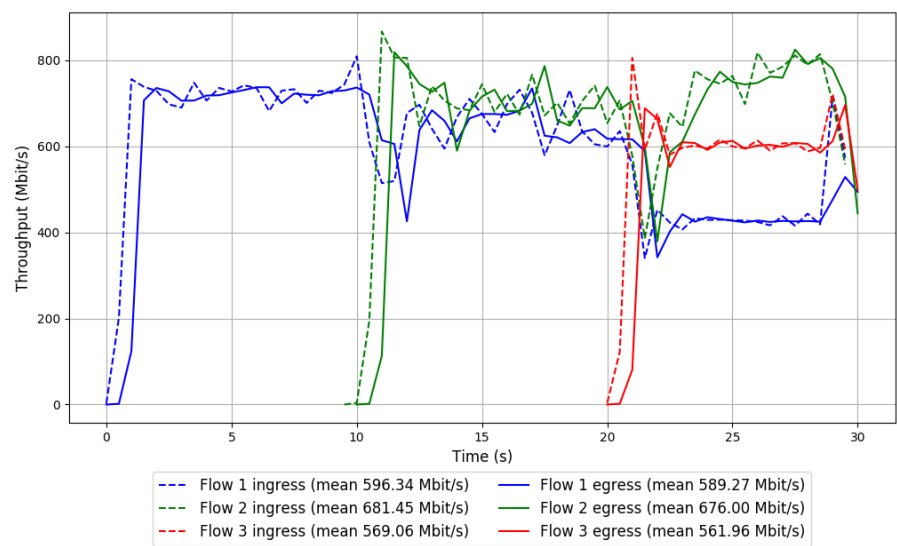


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-19 18:09:19
End at: 2018-07-19 18:09:49
Local clock offset: -0.016 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-19 23:24:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 1223.44 Mbit/s
95th percentile per-packet one-way delay: 142.235 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 589.27 Mbit/s
95th percentile per-packet one-way delay: 150.763 ms
Loss rate: 1.59%
-- Flow 2:
Average throughput: 676.00 Mbit/s
95th percentile per-packet one-way delay: 134.403 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 561.96 Mbit/s
95th percentile per-packet one-way delay: 128.953 ms
Loss rate: 2.47%

Run 3: Report of FillP-Sheep — Data Link

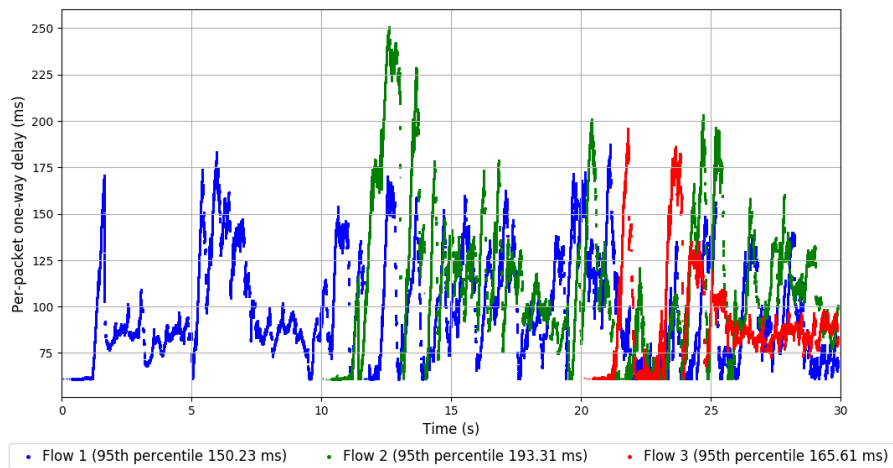
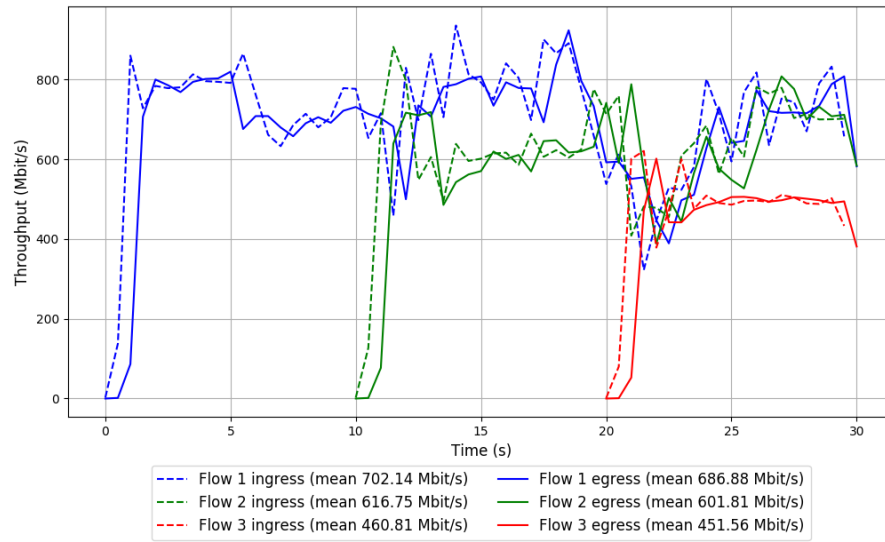


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-19 18:34:23
End at: 2018-07-19 18:34:53
Local clock offset: 0.004 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-07-19 23:25:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 1234.94 Mbit/s
95th percentile per-packet one-way delay: 165.040 ms
Loss rate: 2.80%
-- Flow 1:
Average throughput: 686.88 Mbit/s
95th percentile per-packet one-way delay: 150.232 ms
Loss rate: 2.58%
-- Flow 2:
Average throughput: 601.81 Mbit/s
95th percentile per-packet one-way delay: 193.308 ms
Loss rate: 3.03%
-- Flow 3:
Average throughput: 451.56 Mbit/s
95th percentile per-packet one-way delay: 165.608 ms
Loss rate: 3.21%

Run 4: Report of FillP-Sheep — Data Link

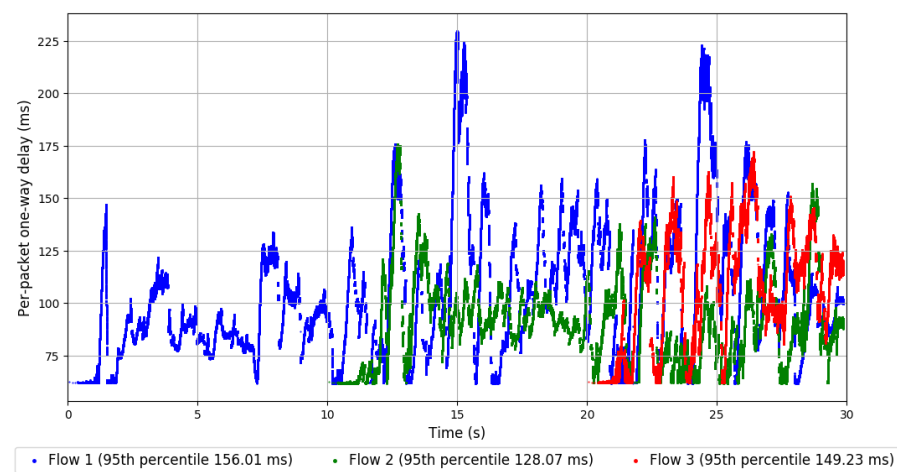
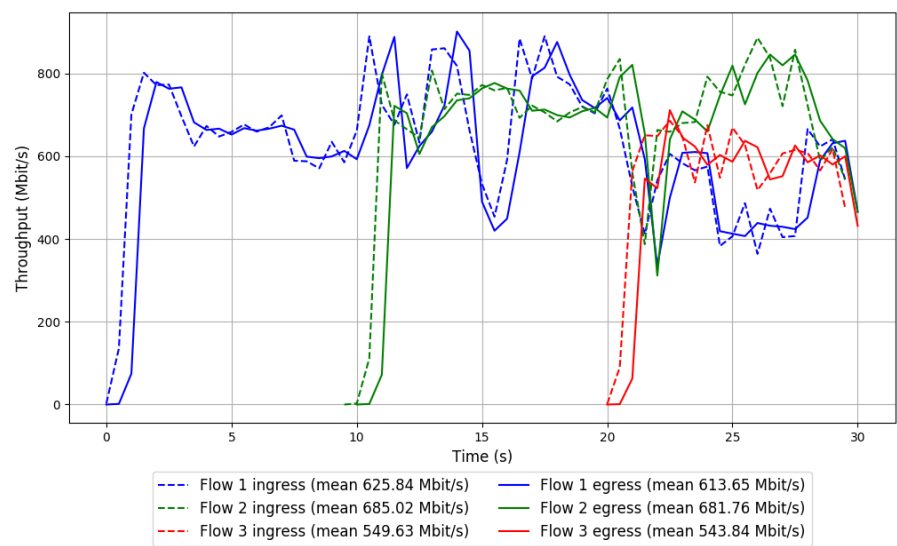


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-19 18:59:49
End at: 2018-07-19 19:00:19
Local clock offset: 0.008 ms
Remote clock offset: -1.141 ms

Below is generated by plot.py at 2018-07-19 23:26:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 1245.62 Mbit/s
95th percentile per-packet one-way delay: 148.530 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 613.65 Mbit/s
95th percentile per-packet one-way delay: 156.006 ms
Loss rate: 2.35%
-- Flow 2:
Average throughput: 681.76 Mbit/s
95th percentile per-packet one-way delay: 128.073 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 543.84 Mbit/s
95th percentile per-packet one-way delay: 149.227 ms
Loss rate: 2.27%

Run 5: Report of FillP-Sheep — Data Link

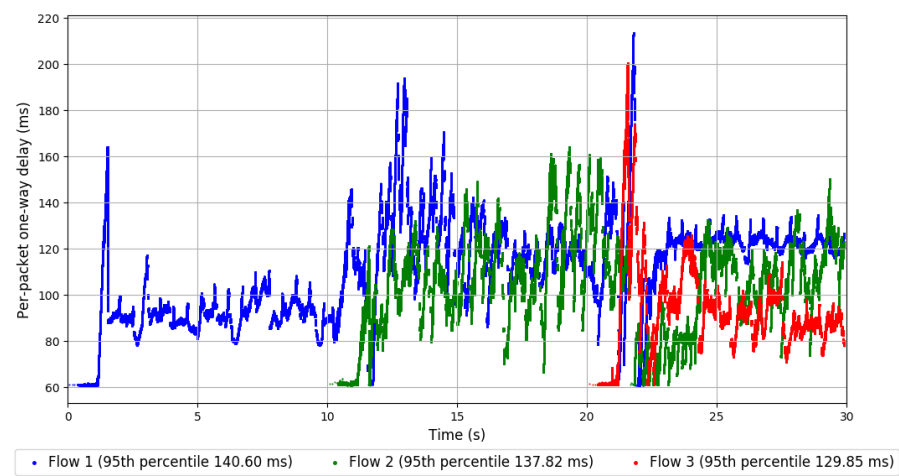
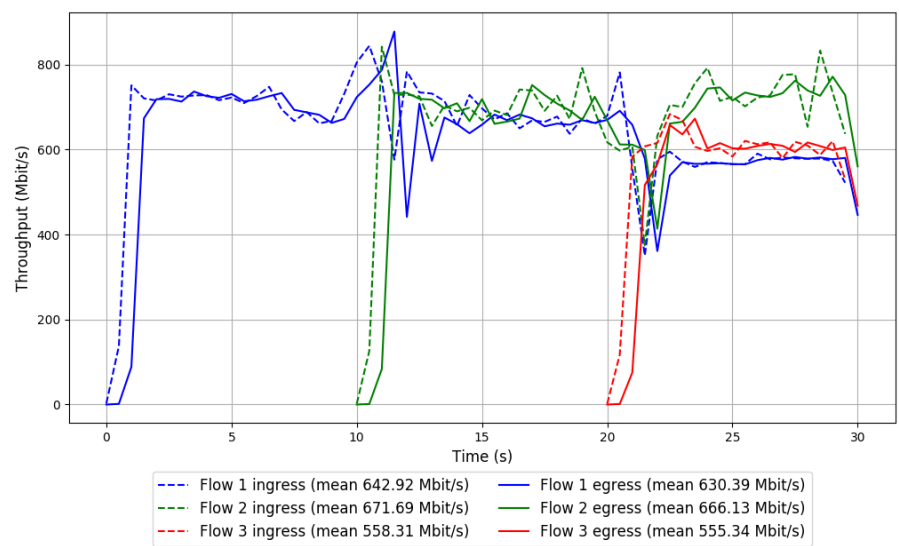


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-19 19:25:18
End at: 2018-07-19 19:25:48
Local clock offset: 0.123 ms
Remote clock offset: -0.025 ms

```
# Below is generated by plot.py at 2018-07-19 23:27:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1255.03 Mbit/s
95th percentile per-packet one-way delay: 139.297 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 630.39 Mbit/s
95th percentile per-packet one-way delay: 140.597 ms
Loss rate: 2.35%
-- Flow 2:
Average throughput: 666.13 Mbit/s
95th percentile per-packet one-way delay: 137.821 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 555.34 Mbit/s
95th percentile per-packet one-way delay: 129.847 ms
Loss rate: 1.75%
```

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-19 19:50:52

End at: 2018-07-19 19:51:22

Local clock offset: 0.221 ms

Remote clock offset: 0.178 ms

Below is generated by plot.py at 2018-07-19 23:51:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 1195.23 Mbit/s

95th percentile per-packet one-way delay: 193.101 ms

Loss rate: 2.06%

-- Flow 1:

Average throughput: 683.28 Mbit/s

95th percentile per-packet one-way delay: 143.983 ms

Loss rate: 1.30%

-- Flow 2:

Average throughput: 563.53 Mbit/s

95th percentile per-packet one-way delay: 200.541 ms

Loss rate: 2.95%

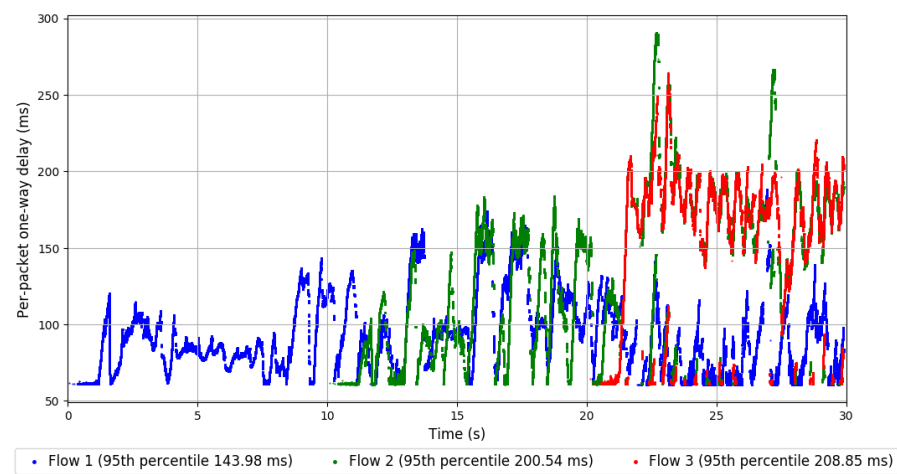
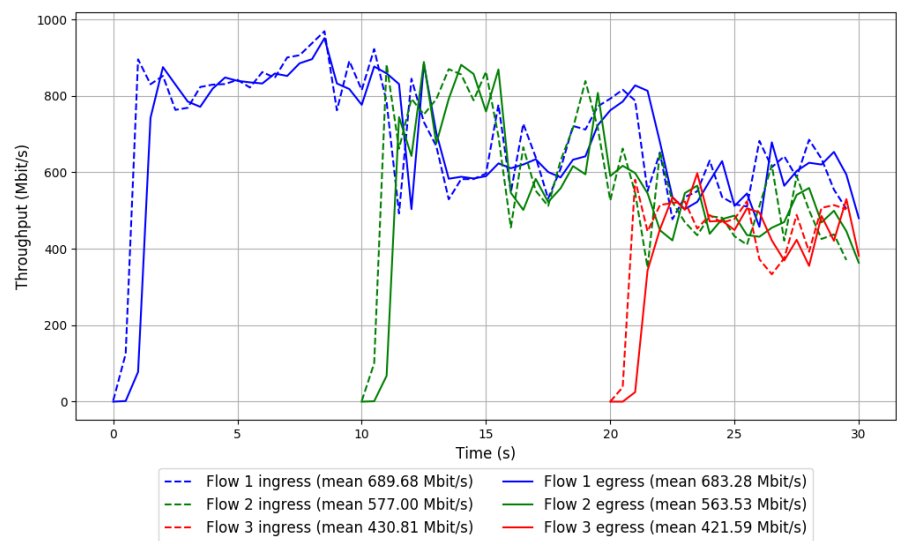
-- Flow 3:

Average throughput: 421.59 Mbit/s

95th percentile per-packet one-way delay: 208.851 ms

Loss rate: 3.33%

Run 7: Report of FillP-Sheep — Data Link

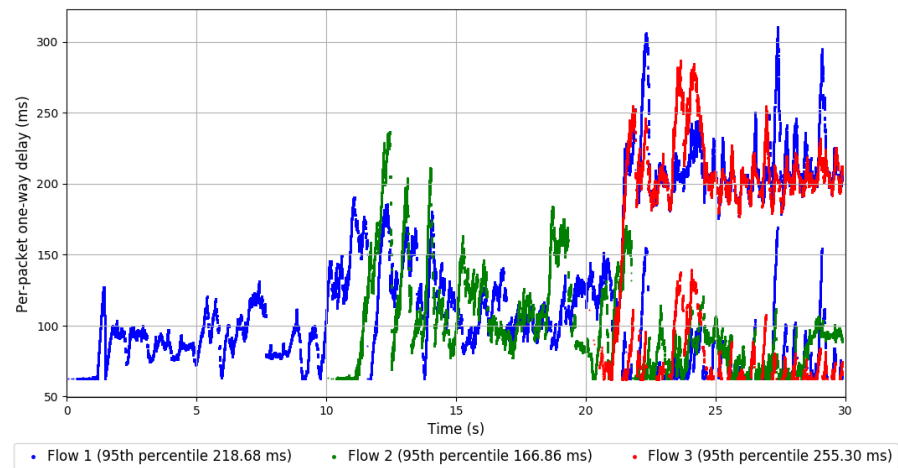
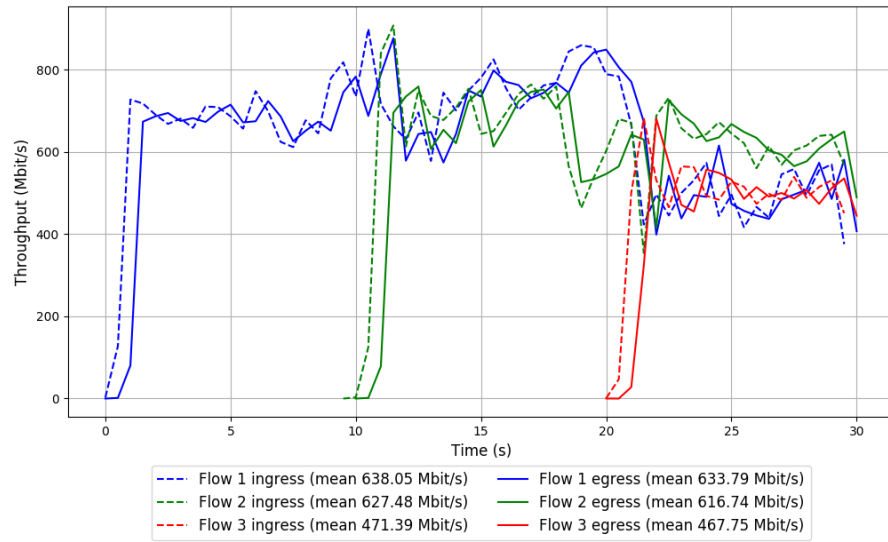


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-19 20:16:20
End at: 2018-07-19 20:16:50
Local clock offset: 0.2 ms
Remote clock offset: -1.428 ms

Below is generated by plot.py at 2018-07-19 23:51:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 1196.68 Mbit/s
95th percentile per-packet one-way delay: 221.300 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 633.79 Mbit/s
95th percentile per-packet one-way delay: 218.682 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 616.74 Mbit/s
95th percentile per-packet one-way delay: 166.862 ms
Loss rate: 2.32%
-- Flow 3:
Average throughput: 467.75 Mbit/s
95th percentile per-packet one-way delay: 255.298 ms
Loss rate: 2.47%

Run 8: Report of FillP-Sheep — Data Link

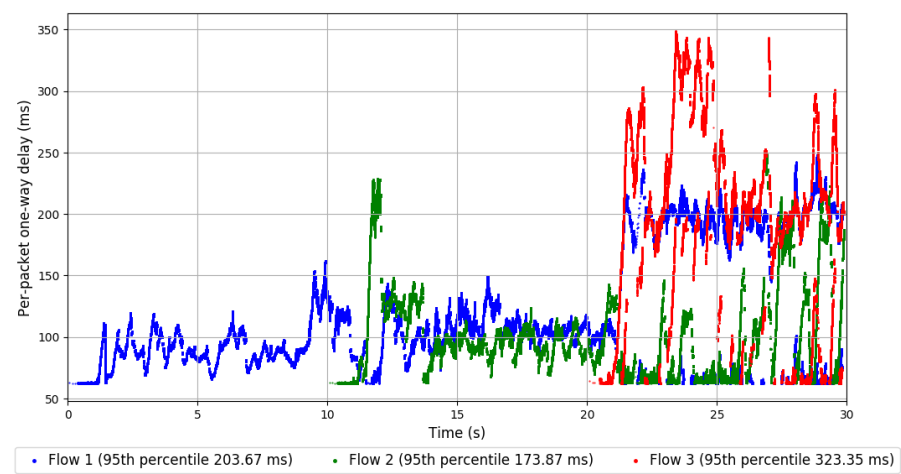
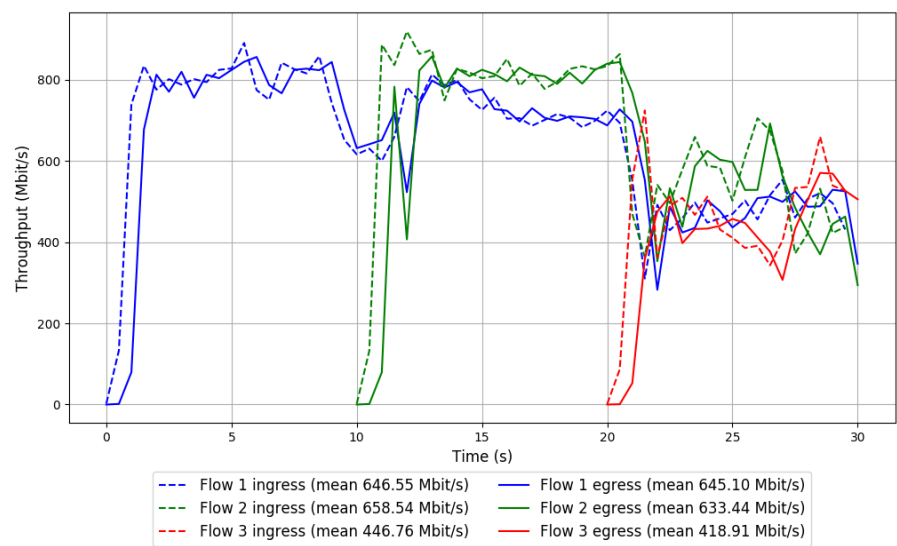


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-19 20:41:50
End at: 2018-07-19 20:42:20
Local clock offset: 0.296 ms
Remote clock offset: -1.515 ms

Below is generated by plot.py at 2018-07-19 23:52:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 1203.55 Mbit/s
95th percentile per-packet one-way delay: 220.606 ms
Loss rate: 2.79%
-- Flow 1:
Average throughput: 645.10 Mbit/s
95th percentile per-packet one-way delay: 203.673 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 633.44 Mbit/s
95th percentile per-packet one-way delay: 173.874 ms
Loss rate: 4.41%
-- Flow 3:
Average throughput: 418.91 Mbit/s
95th percentile per-packet one-way delay: 323.354 ms
Loss rate: 7.41%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-19 21:07:08

End at: 2018-07-19 21:07:38

Local clock offset: 0.374 ms

Remote clock offset: -1.42 ms

Below is generated by plot.py at 2018-07-19 23:56:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 1230.65 Mbit/s

95th percentile per-packet one-way delay: 156.521 ms

Loss rate: 3.07%

-- Flow 1:

Average throughput: 640.44 Mbit/s

95th percentile per-packet one-way delay: 154.843 ms

Loss rate: 3.10%

-- Flow 2:

Average throughput: 620.56 Mbit/s

95th percentile per-packet one-way delay: 150.761 ms

Loss rate: 2.06%

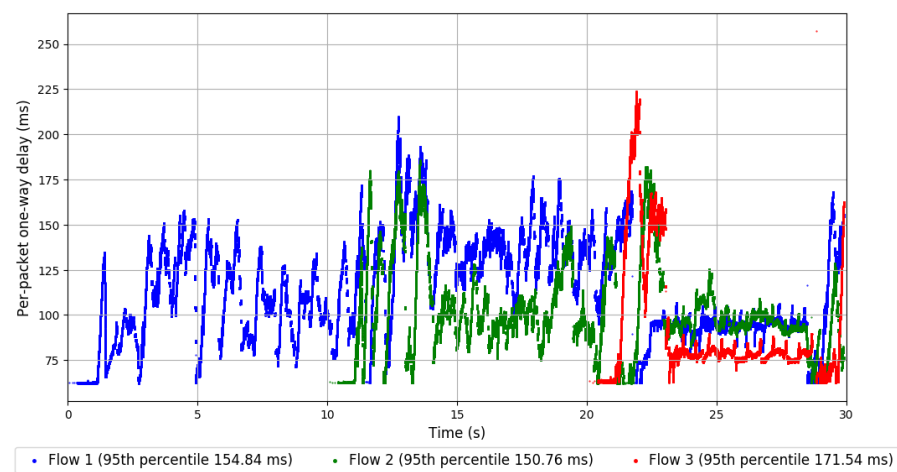
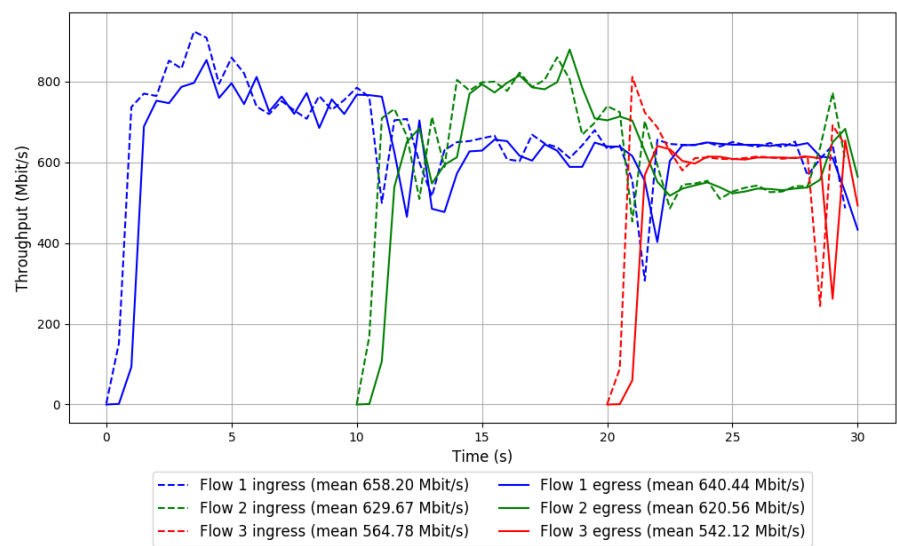
-- Flow 3:

Average throughput: 542.12 Mbit/s

95th percentile per-packet one-way delay: 171.538 ms

Loss rate: 5.22%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-07-19 17:36:29

End at: 2018-07-19 17:36:59

Local clock offset: -0.054 ms

Remote clock offset: -1.3 ms

Below is generated by plot.py at 2018-07-19 23:56:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 402.60 Mbit/s

95th percentile per-packet one-way delay: 75.422 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 207.72 Mbit/s

95th percentile per-packet one-way delay: 74.716 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 204.00 Mbit/s

95th percentile per-packet one-way delay: 75.712 ms

Loss rate: 0.60%

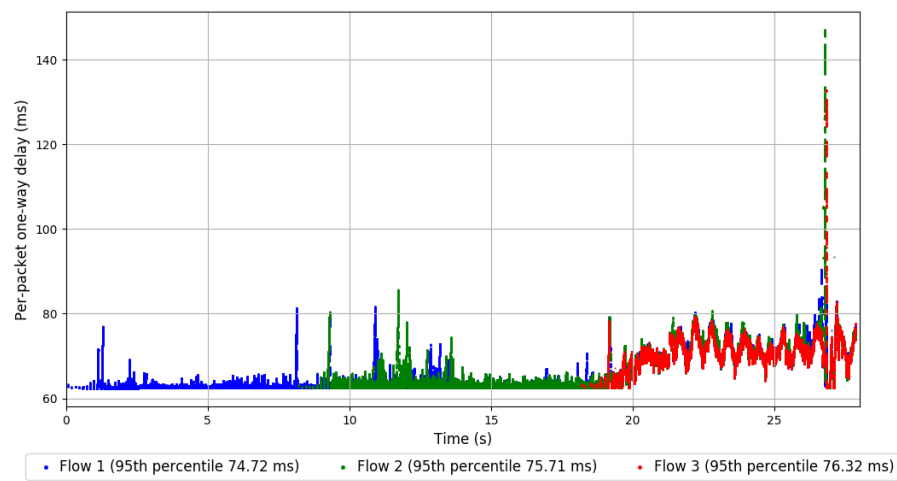
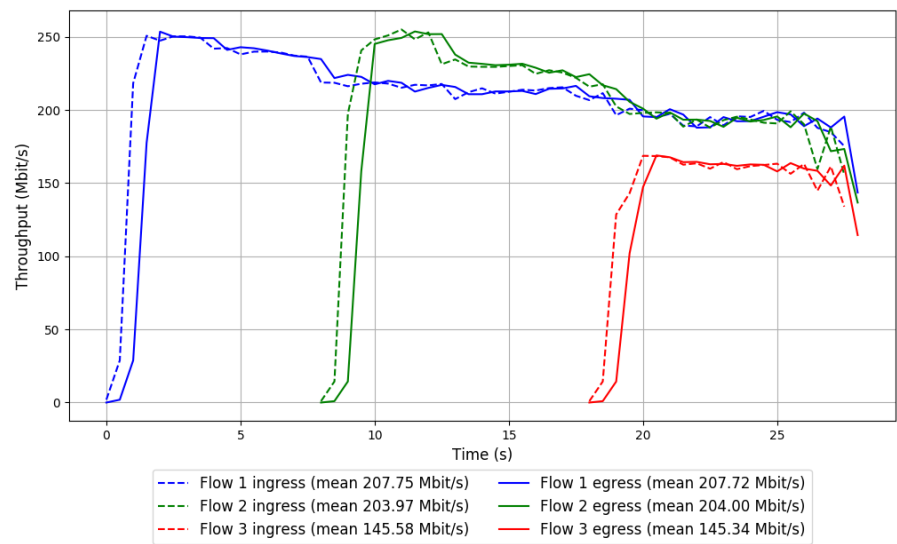
-- Flow 3:

Average throughput: 145.34 Mbit/s

95th percentile per-packet one-way delay: 76.319 ms

Loss rate: 1.43%

Run 1: Report of Indigo — Data Link

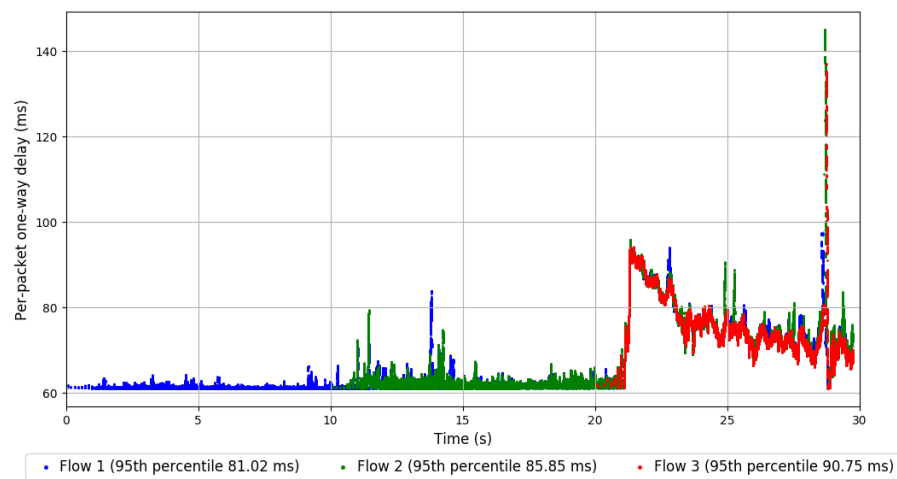
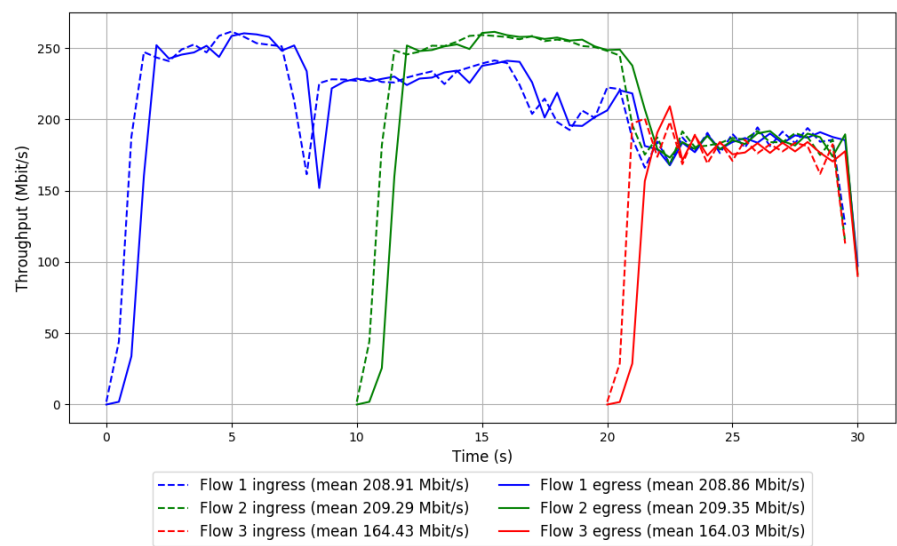


Run 2: Statistics of Indigo

Start at: 2018-07-19 18:01:26
End at: 2018-07-19 18:01:56
Local clock offset: -0.03 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-19 23:56:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 401.10 Mbit/s
95th percentile per-packet one-way delay: 85.788 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 208.86 Mbit/s
95th percentile per-packet one-way delay: 81.023 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 209.35 Mbit/s
95th percentile per-packet one-way delay: 85.850 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 164.03 Mbit/s
95th percentile per-packet one-way delay: 90.755 ms
Loss rate: 1.49%

Run 2: Report of Indigo — Data Link

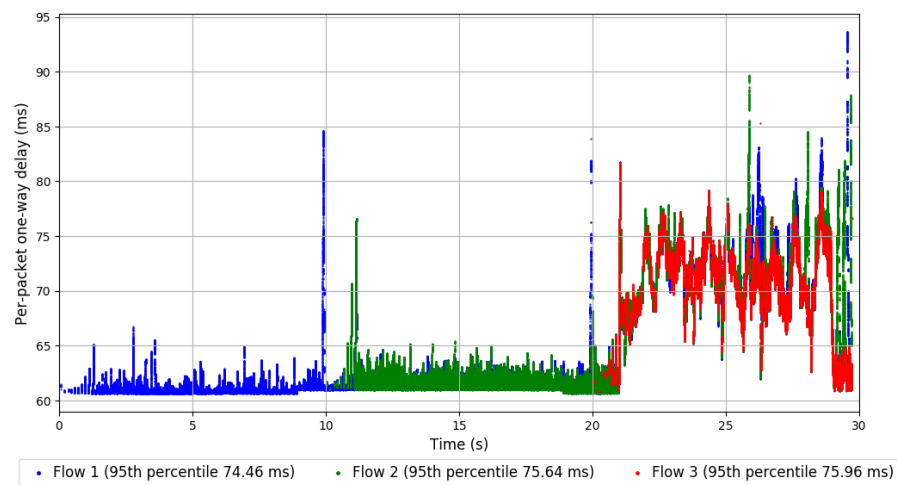
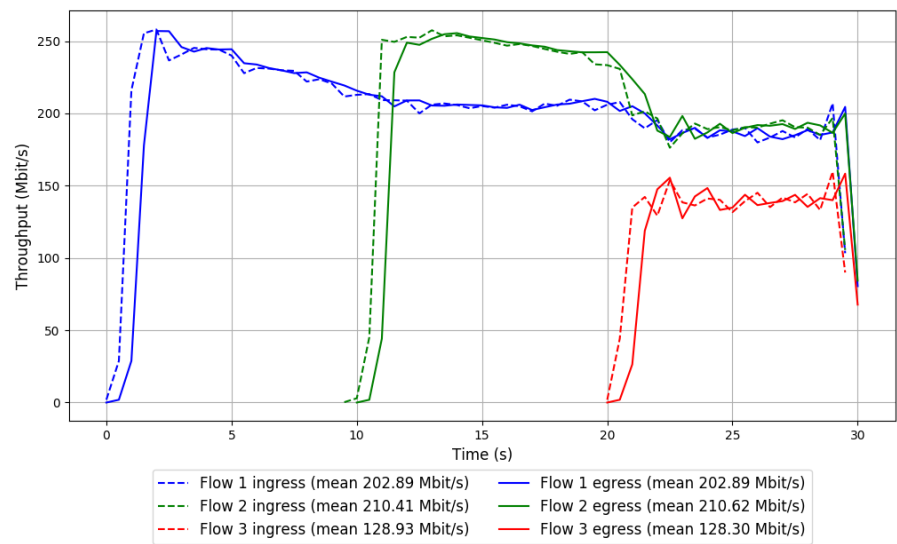


Run 3: Statistics of Indigo

Start at: 2018-07-19 18:26:24
End at: 2018-07-19 18:26:54
Local clock offset: -0.051 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-19 23:56:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 384.38 Mbit/s
95th percentile per-packet one-way delay: 75.210 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 202.89 Mbit/s
95th percentile per-packet one-way delay: 74.463 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 210.62 Mbit/s
95th percentile per-packet one-way delay: 75.641 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 128.30 Mbit/s
95th percentile per-packet one-way delay: 75.962 ms
Loss rate: 1.60%

Run 3: Report of Indigo — Data Link

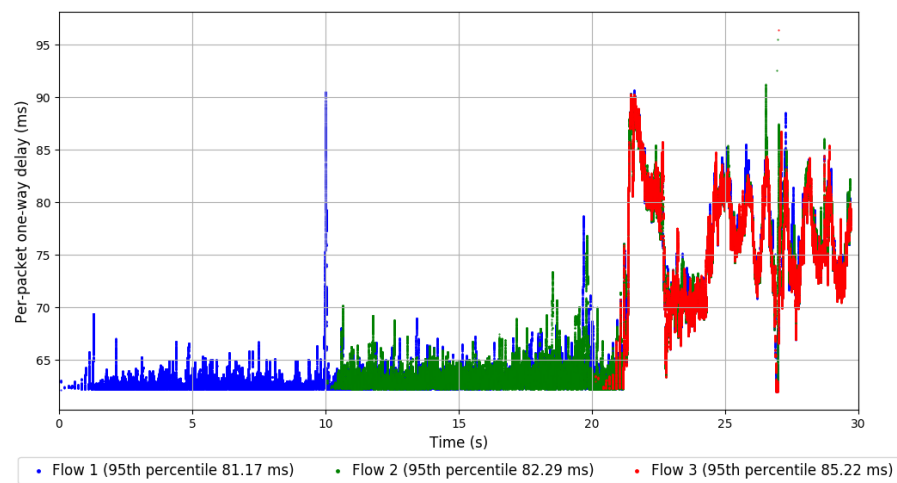
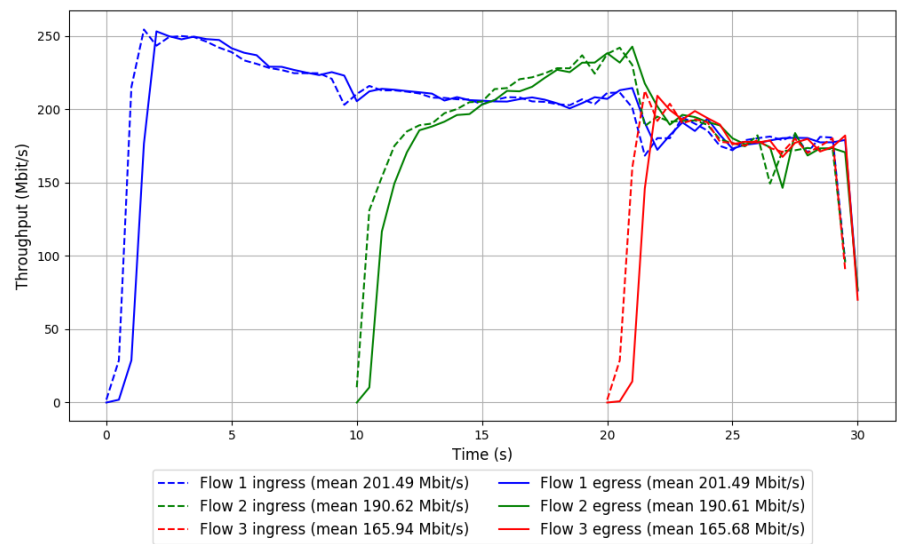


Run 4: Statistics of Indigo

Start at: 2018-07-19 18:51:49
End at: 2018-07-19 18:52:19
Local clock offset: 0.013 ms
Remote clock offset: -1.387 ms

Below is generated by plot.py at 2018-07-19 23:56:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 381.38 Mbit/s
95th percentile per-packet one-way delay: 82.215 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 201.49 Mbit/s
95th percentile per-packet one-way delay: 81.166 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 190.61 Mbit/s
95th percentile per-packet one-way delay: 82.294 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 165.68 Mbit/s
95th percentile per-packet one-way delay: 85.225 ms
Loss rate: 1.42%

Run 4: Report of Indigo — Data Link

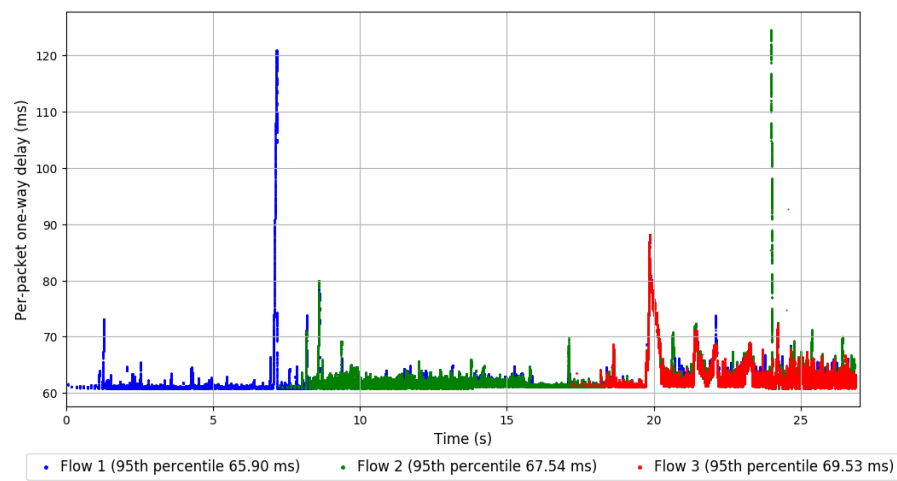
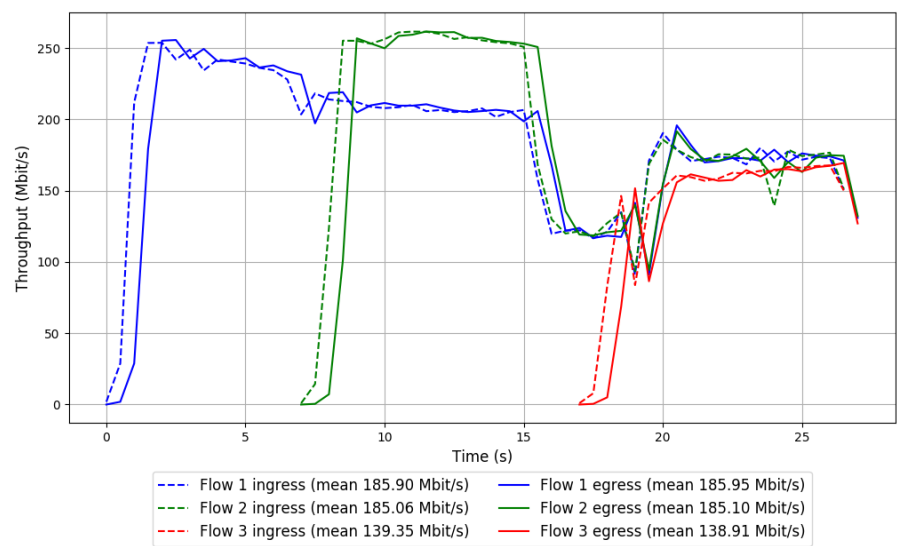


Run 5: Statistics of Indigo

Start at: 2018-07-19 19:17:17
End at: 2018-07-19 19:17:47
Local clock offset: 0.147 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-07-19 23:56:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 371.41 Mbit/s
95th percentile per-packet one-way delay: 67.378 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 185.95 Mbit/s
95th percentile per-packet one-way delay: 65.898 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 185.10 Mbit/s
95th percentile per-packet one-way delay: 67.540 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 138.91 Mbit/s
95th percentile per-packet one-way delay: 69.525 ms
Loss rate: 1.57%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-19 19:42:47

End at: 2018-07-19 19:43:17

Local clock offset: 0.159 ms

Remote clock offset: 1.27 ms

Below is generated by plot.py at 2018-07-19 23:56:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 395.35 Mbit/s

95th percentile per-packet one-way delay: 75.415 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 202.32 Mbit/s

95th percentile per-packet one-way delay: 73.199 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 205.21 Mbit/s

95th percentile per-packet one-way delay: 74.844 ms

Loss rate: 0.61%

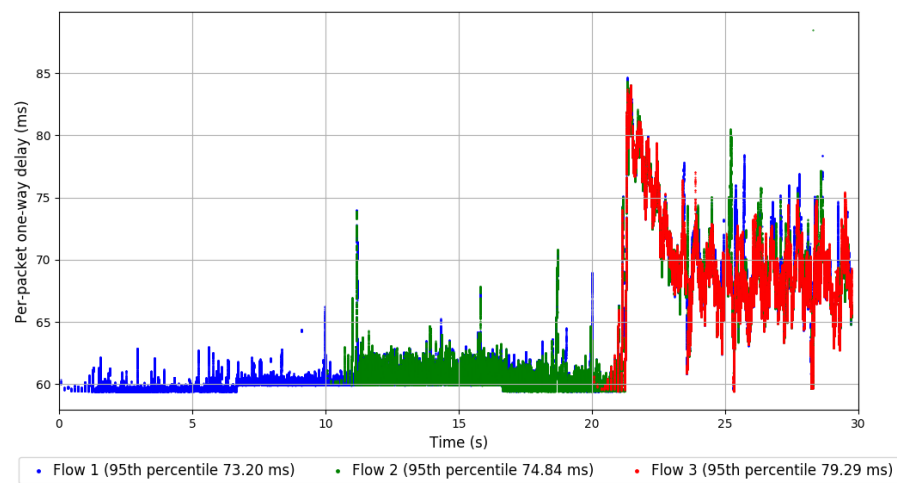
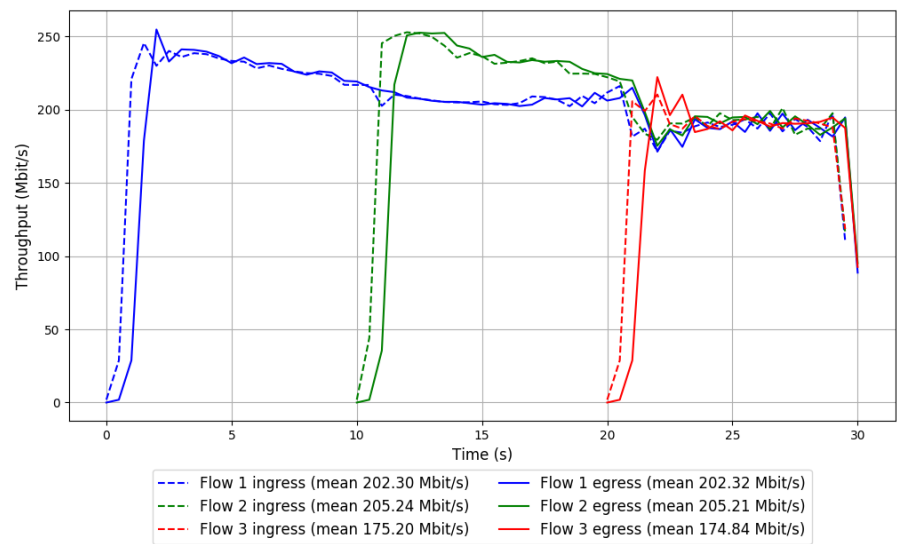
-- Flow 3:

Average throughput: 174.84 Mbit/s

95th percentile per-packet one-way delay: 79.287 ms

Loss rate: 1.46%

Run 6: Report of Indigo — Data Link

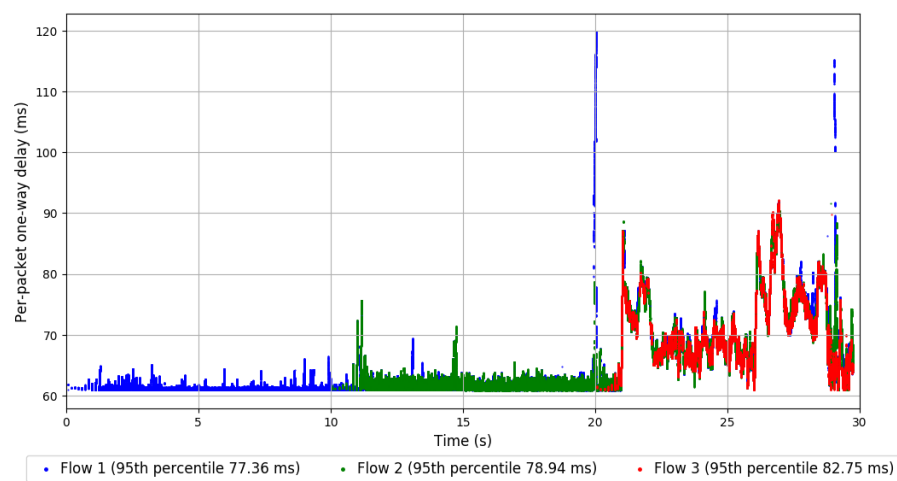
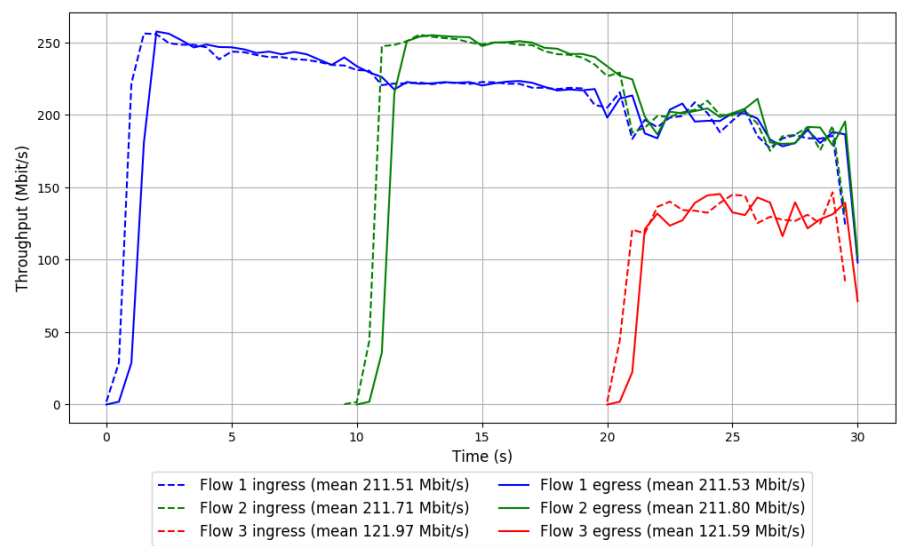


Run 7: Statistics of Indigo

Start at: 2018-07-19 20:08:18
End at: 2018-07-19 20:08:48
Local clock offset: 0.204 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-19 23:56:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 391.59 Mbit/s
95th percentile per-packet one-way delay: 78.845 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 211.53 Mbit/s
95th percentile per-packet one-way delay: 77.363 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 211.80 Mbit/s
95th percentile per-packet one-way delay: 78.938 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 121.59 Mbit/s
95th percentile per-packet one-way delay: 82.754 ms
Loss rate: 1.55%

Run 7: Report of Indigo — Data Link

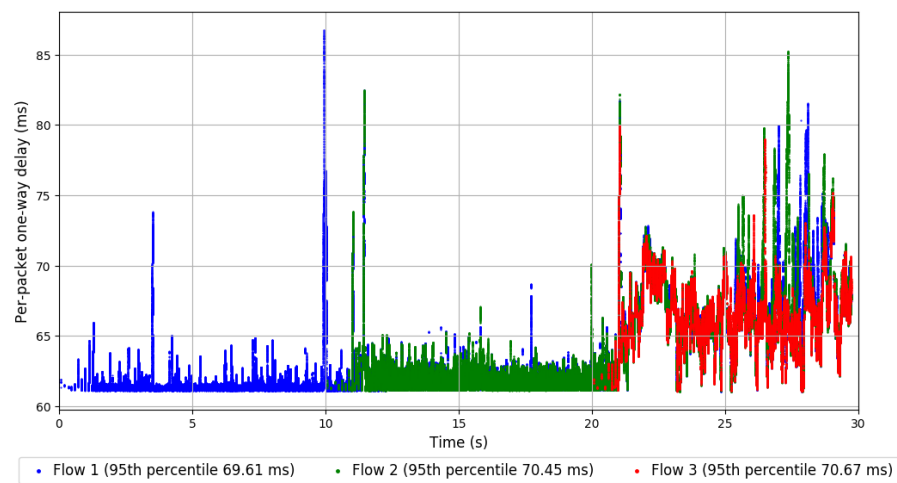
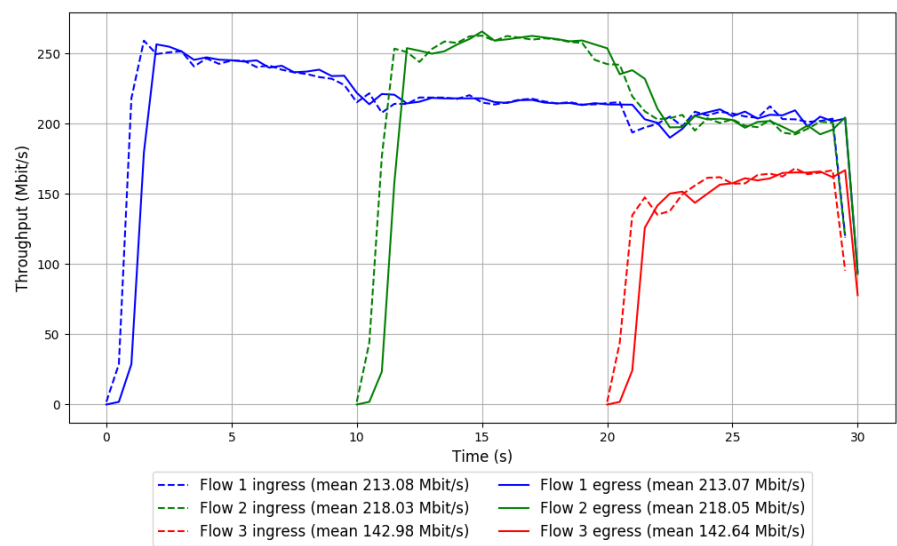


Run 8: Statistics of Indigo

Start at: 2018-07-19 20:33:51
End at: 2018-07-19 20:34:21
Local clock offset: 0.291 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-07-19 23:56:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 403.91 Mbit/s
95th percentile per-packet one-way delay: 70.159 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 213.07 Mbit/s
95th percentile per-packet one-way delay: 69.615 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 218.05 Mbit/s
95th percentile per-packet one-way delay: 70.448 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 142.64 Mbit/s
95th percentile per-packet one-way delay: 70.674 ms
Loss rate: 1.49%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-19 20:59:03

End at: 2018-07-19 20:59:33

Local clock offset: 0.332 ms

Remote clock offset: -1.25 ms

Below is generated by plot.py at 2018-07-19 23:56:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 395.99 Mbit/s

95th percentile per-packet one-way delay: 77.107 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 213.50 Mbit/s

95th percentile per-packet one-way delay: 75.637 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 204.22 Mbit/s

95th percentile per-packet one-way delay: 77.996 ms

Loss rate: 0.63%

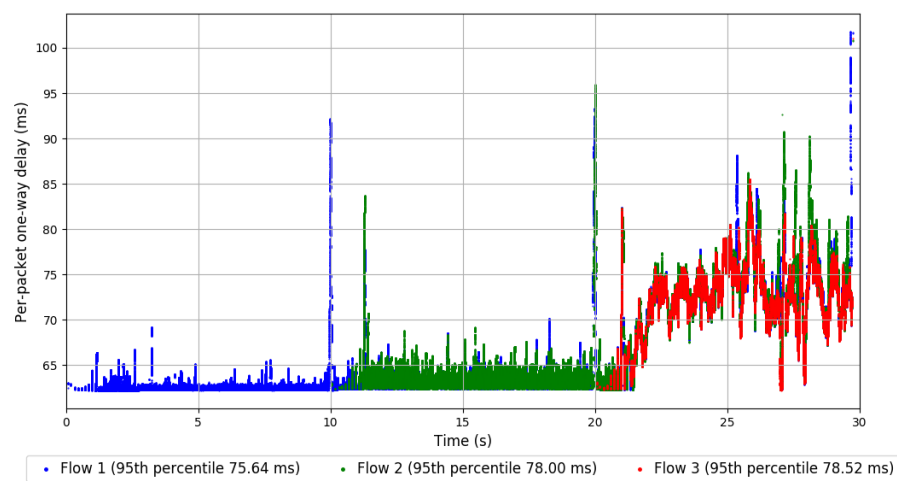
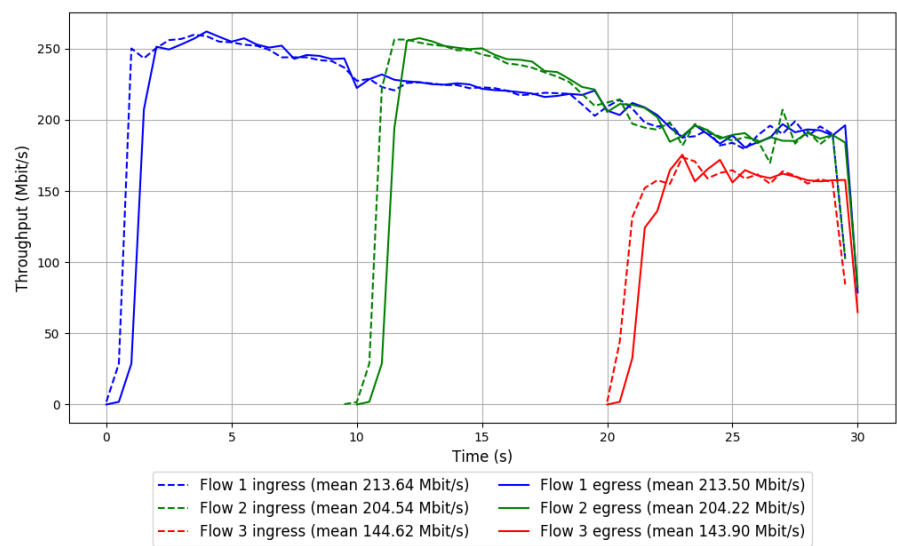
-- Flow 3:

Average throughput: 143.90 Mbit/s

95th percentile per-packet one-way delay: 78.519 ms

Loss rate: 1.45%

Run 9: Report of Indigo — Data Link

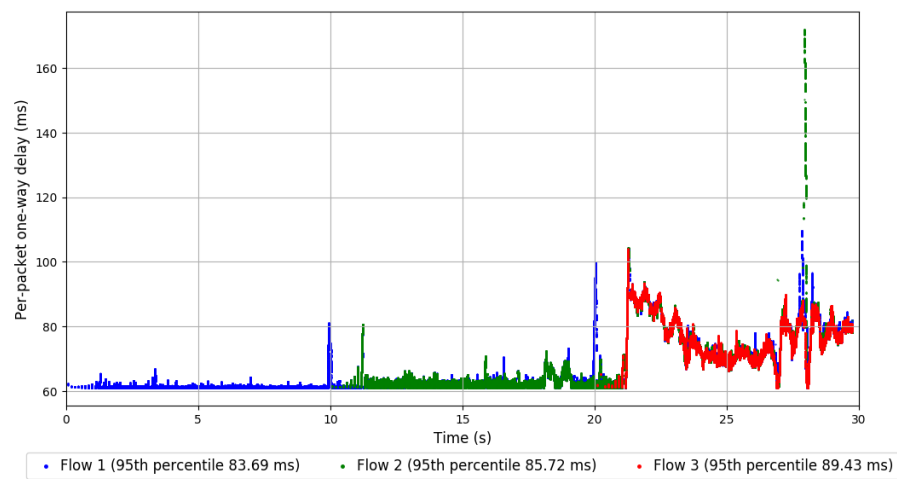
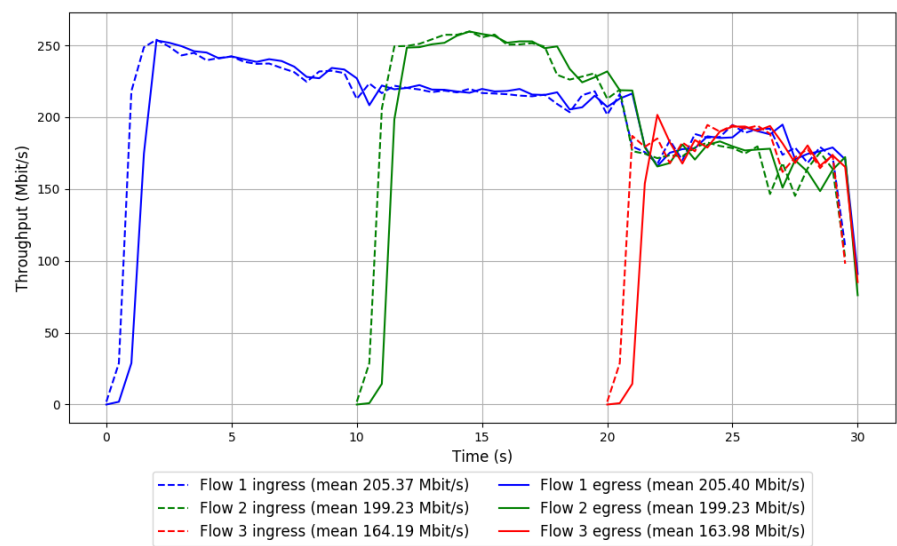


Run 10: Statistics of Indigo

Start at: 2018-07-19 21:24:33
End at: 2018-07-19 21:25:03
Local clock offset: 0.359 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-07-19 23:56:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 390.71 Mbit/s
95th percentile per-packet one-way delay: 86.276 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 205.40 Mbit/s
95th percentile per-packet one-way delay: 83.693 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 199.23 Mbit/s
95th percentile per-packet one-way delay: 85.717 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 163.98 Mbit/s
95th percentile per-packet one-way delay: 89.432 ms
Loss rate: 1.38%

Run 10: Report of Indigo — Data Link

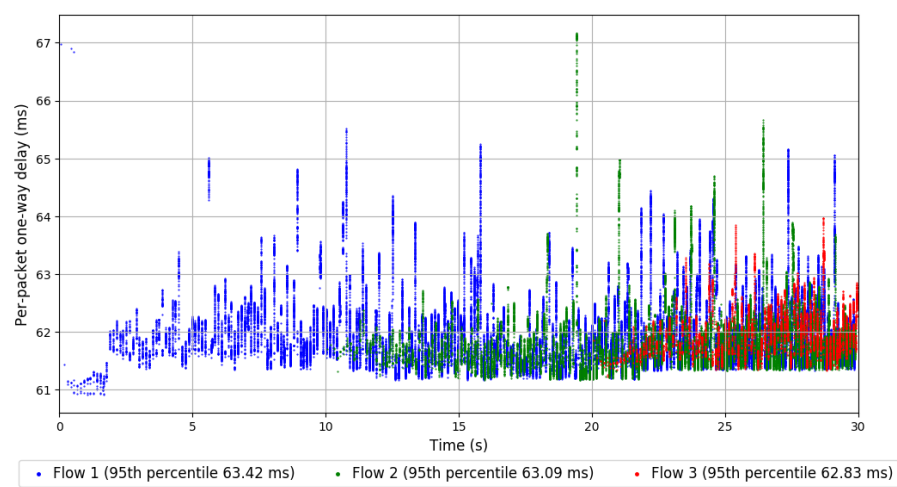
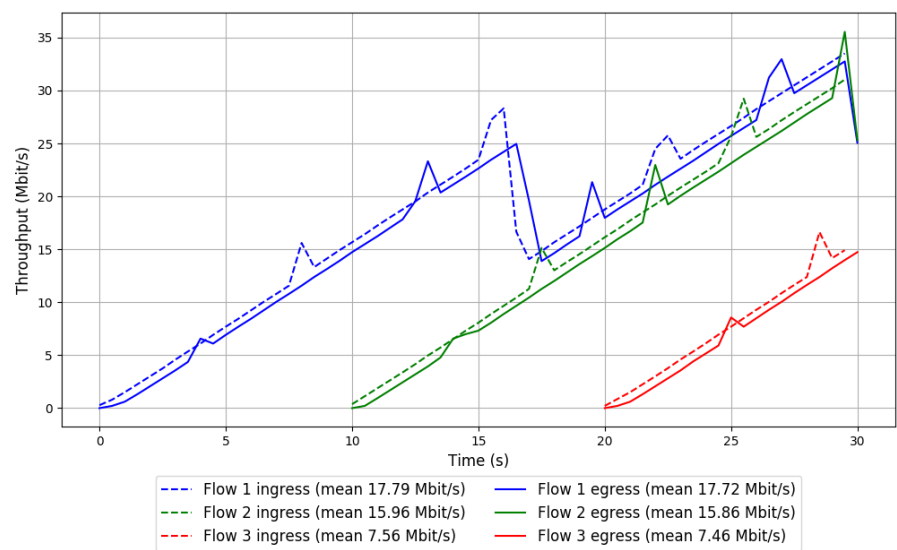


Run 1: Statistics of LEDBAT

Start at: 2018-07-19 17:31:02
End at: 2018-07-19 17:31:32
Local clock offset: 0.016 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-07-19 23:56:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.65 Mbit/s
95th percentile per-packet one-way delay: 63.300 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 17.72 Mbit/s
95th percentile per-packet one-way delay: 63.416 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 15.86 Mbit/s
95th percentile per-packet one-way delay: 63.089 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 7.46 Mbit/s
95th percentile per-packet one-way delay: 62.827 ms
Loss rate: 2.52%

Run 1: Report of LEDBAT — Data Link

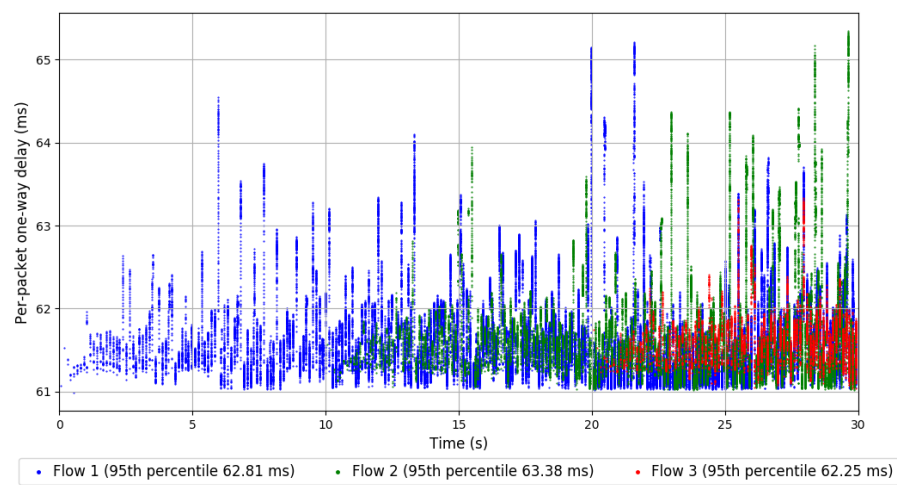
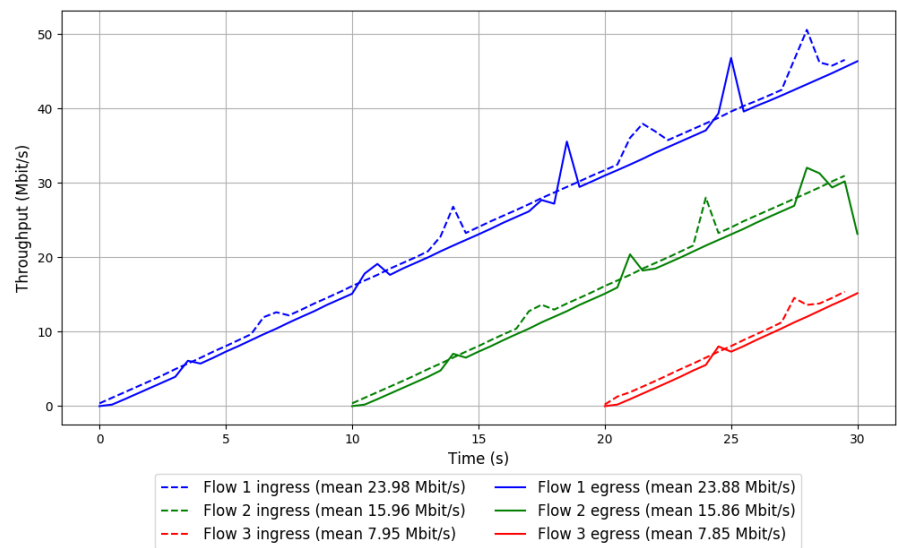


Run 2: Statistics of LEDBAT

Start at: 2018-07-19 17:56:06
End at: 2018-07-19 17:56:36
Local clock offset: -0.047 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-07-19 23:56:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.98 Mbit/s
95th percentile per-packet one-way delay: 62.931 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 23.88 Mbit/s
95th percentile per-packet one-way delay: 62.806 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 15.86 Mbit/s
95th percentile per-packet one-way delay: 63.380 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 7.85 Mbit/s
95th percentile per-packet one-way delay: 62.251 ms
Loss rate: 2.47%

Run 2: Report of LEDBAT — Data Link

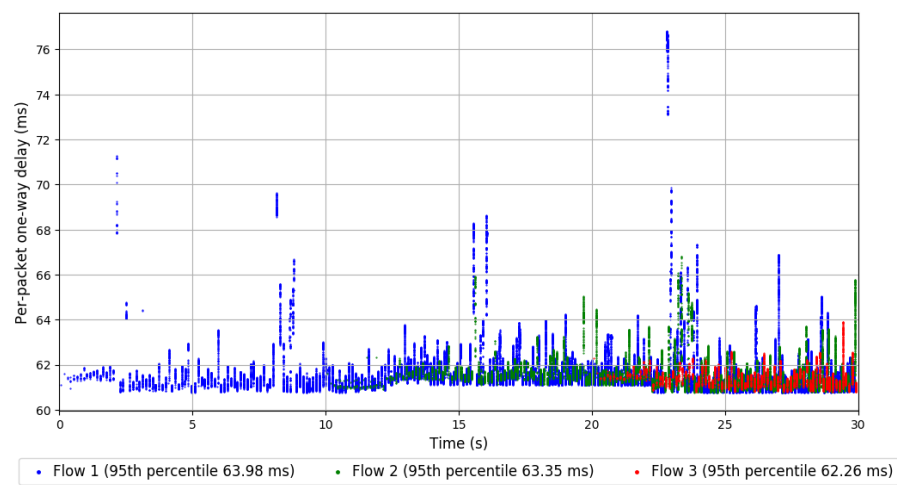
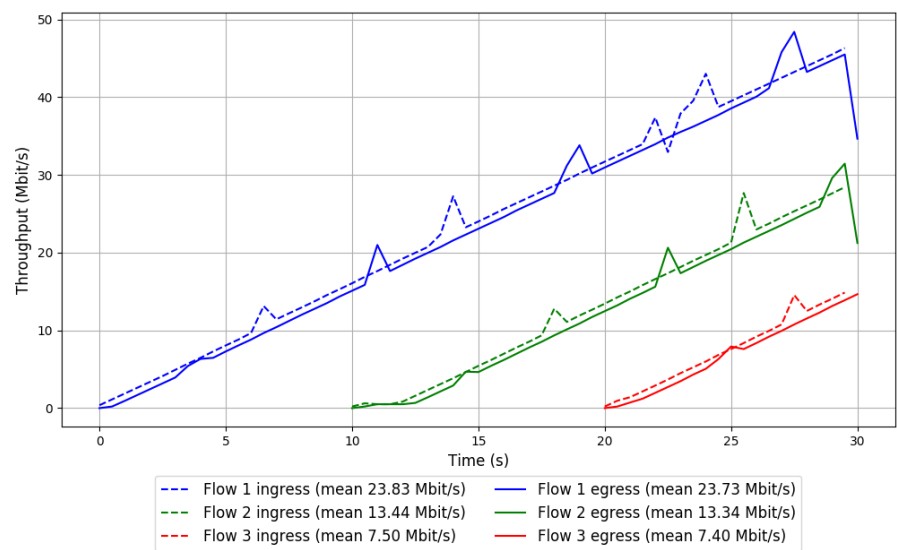


Run 3: Statistics of LEDBAT

Start at: 2018-07-19 18:20:51
End at: 2018-07-19 18:21:21
Local clock offset: -0.057 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2018-07-19 23:56:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 34.96 Mbit/s
95th percentile per-packet one-way delay: 63.629 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 23.73 Mbit/s
95th percentile per-packet one-way delay: 63.981 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 13.34 Mbit/s
95th percentile per-packet one-way delay: 63.346 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 7.40 Mbit/s
95th percentile per-packet one-way delay: 62.258 ms
Loss rate: 2.55%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-19 18:46:15

End at: 2018-07-19 18:46:45

Local clock offset: 0.003 ms

Remote clock offset: 0.164 ms

Below is generated by plot.py at 2018-07-19 23:56:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 36.88 Mbit/s

95th percentile per-packet one-way delay: 62.565 ms

Loss rate: 1.05%

-- Flow 1:

Average throughput: 23.76 Mbit/s

95th percentile per-packet one-way delay: 62.728 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 15.90 Mbit/s

95th percentile per-packet one-way delay: 62.387 ms

Loss rate: 1.23%

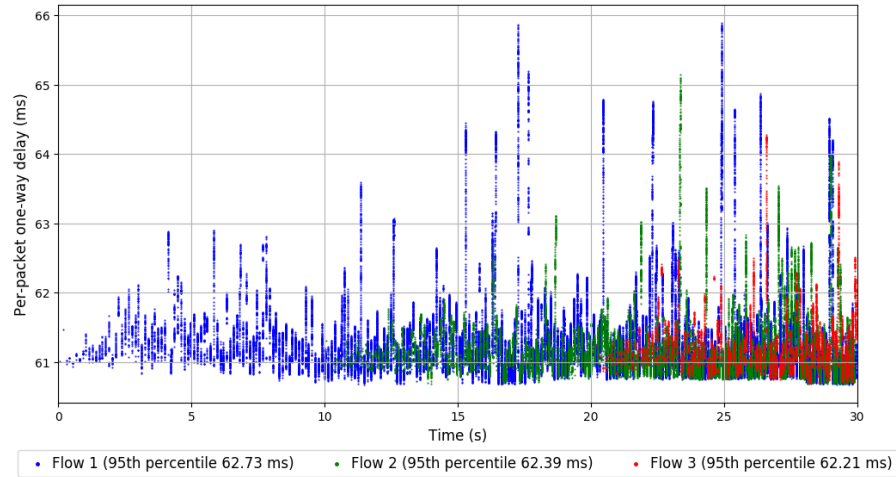
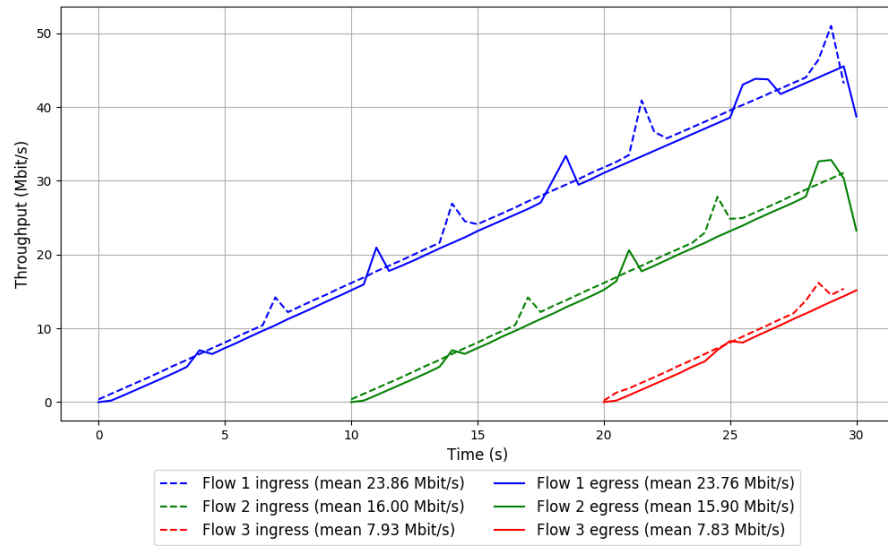
-- Flow 3:

Average throughput: 7.83 Mbit/s

95th percentile per-packet one-way delay: 62.212 ms

Loss rate: 2.48%

Run 4: Report of LEDBAT — Data Link

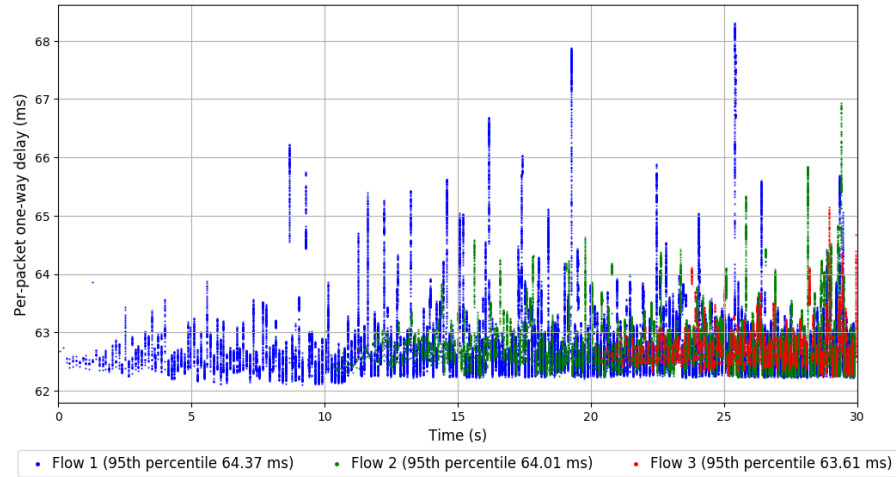
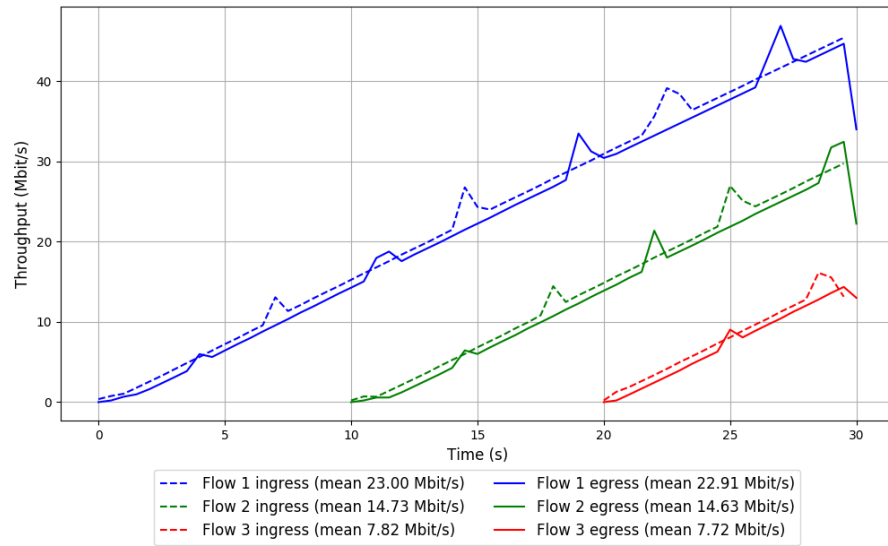


Run 5: Statistics of LEDBAT

Start at: 2018-07-19 19:11:42
End at: 2018-07-19 19:12:12
Local clock offset: 0.104 ms
Remote clock offset: -1.313 ms

Below is generated by plot.py at 2018-07-19 23:56:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.08 Mbit/s
95th percentile per-packet one-way delay: 64.129 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 22.91 Mbit/s
95th percentile per-packet one-way delay: 64.371 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 14.63 Mbit/s
95th percentile per-packet one-way delay: 64.014 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 7.72 Mbit/s
95th percentile per-packet one-way delay: 63.610 ms
Loss rate: 2.47%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-19 19:37:15

End at: 2018-07-19 19:37:45

Local clock offset: 0.154 ms

Remote clock offset: 0.202 ms

Below is generated by plot.py at 2018-07-19 23:56:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 29.17 Mbit/s

95th percentile per-packet one-way delay: 62.448 ms

Loss rate: 1.13%

-- Flow 1:

Average throughput: 20.89 Mbit/s

95th percentile per-packet one-way delay: 62.544 ms

Loss rate: 0.87%

-- Flow 2:

Average throughput: 10.88 Mbit/s

95th percentile per-packet one-way delay: 62.271 ms

Loss rate: 1.48%

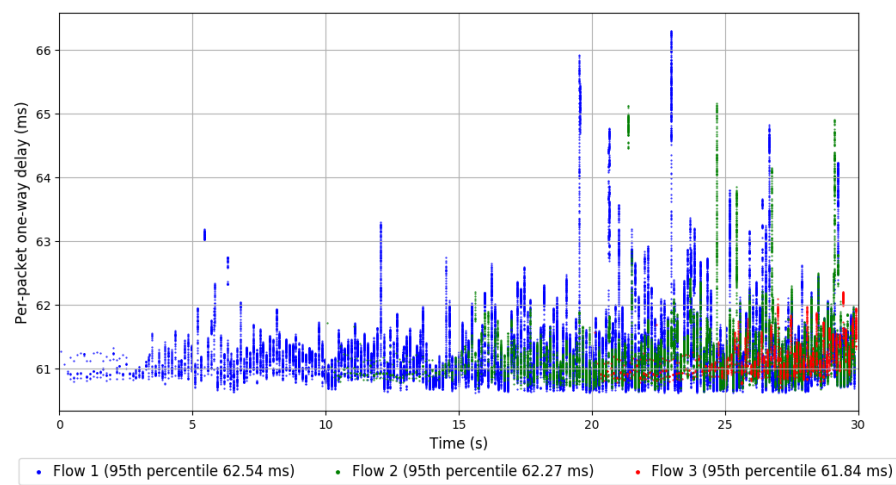
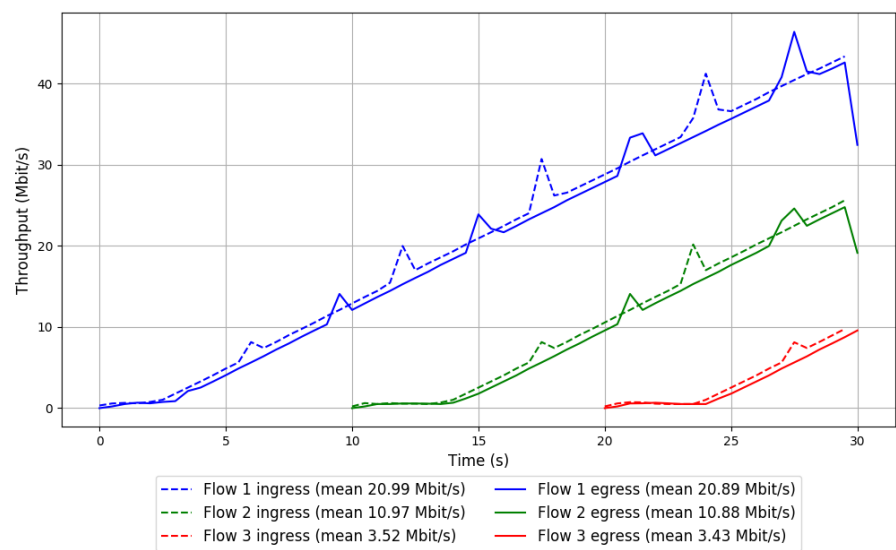
-- Flow 3:

Average throughput: 3.43 Mbit/s

95th percentile per-packet one-way delay: 61.843 ms

Loss rate: 3.59%

Run 6: Report of LEDBAT — Data Link

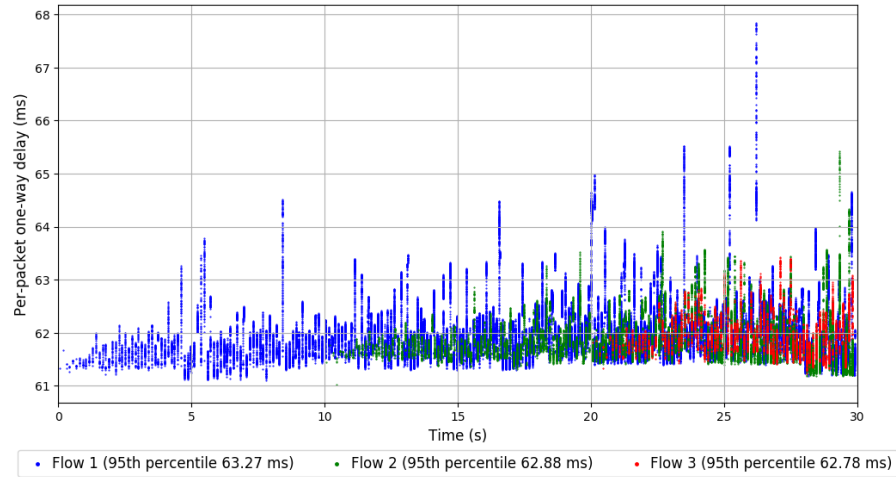
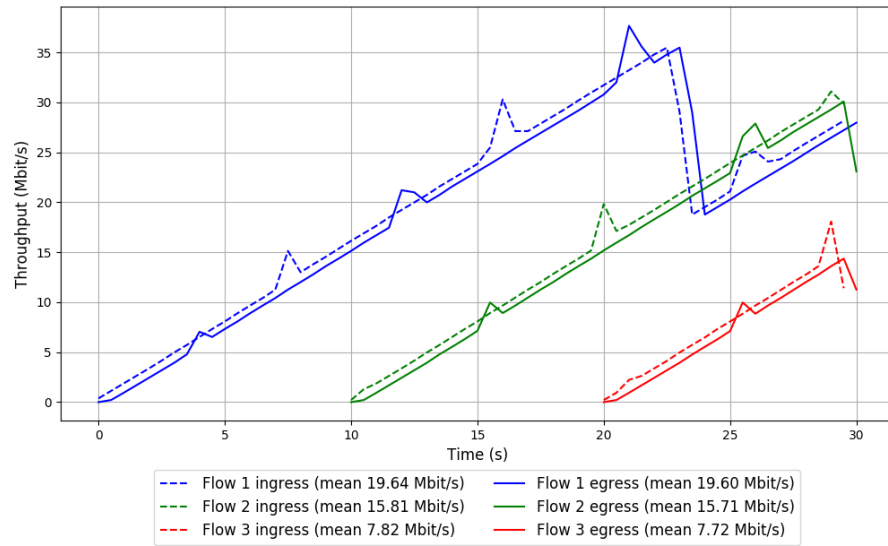


Run 7: Statistics of LEDBAT

Start at: 2018-07-19 20:02:46
End at: 2018-07-19 20:03:16
Local clock offset: 0.314 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-07-19 23:56:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 32.52 Mbit/s
95th percentile per-packet one-way delay: 63.126 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 19.60 Mbit/s
95th percentile per-packet one-way delay: 63.270 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 15.71 Mbit/s
95th percentile per-packet one-way delay: 62.879 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 7.72 Mbit/s
95th percentile per-packet one-way delay: 62.780 ms
Loss rate: 2.50%

Run 7: Report of LEDBAT — Data Link

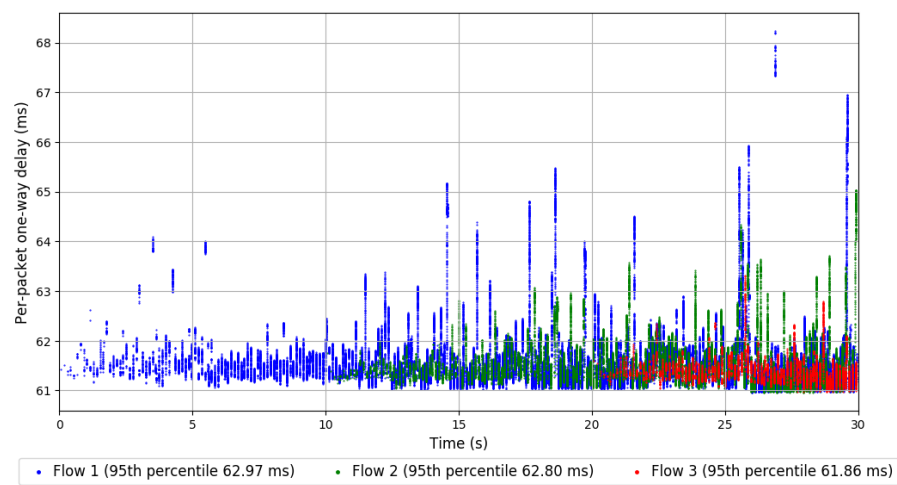
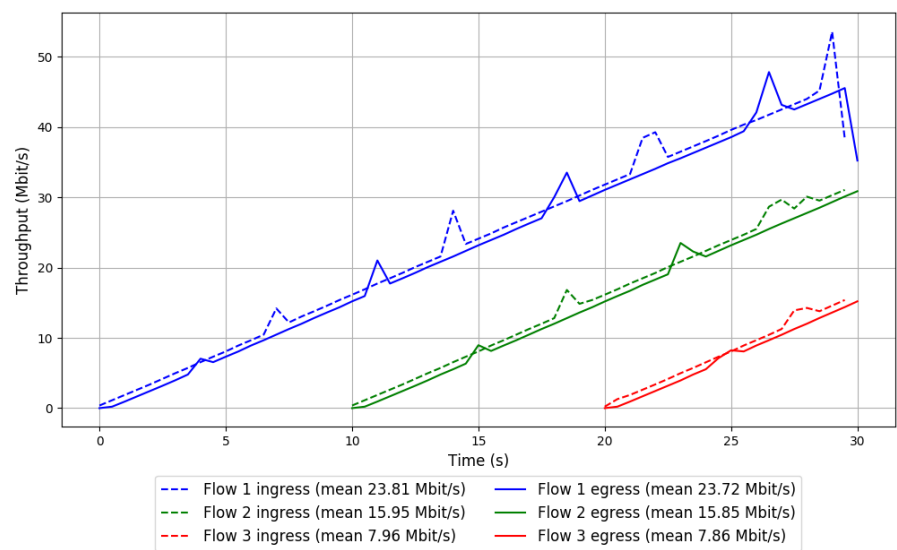


Run 8: Statistics of LEDBAT

Start at: 2018-07-19 20:28:18
End at: 2018-07-19 20:28:48
Local clock offset: 0.286 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-07-19 23:56:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.83 Mbit/s
95th percentile per-packet one-way delay: 62.838 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 23.72 Mbit/s
95th percentile per-packet one-way delay: 62.967 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 15.85 Mbit/s
95th percentile per-packet one-way delay: 62.802 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 7.86 Mbit/s
95th percentile per-packet one-way delay: 61.861 ms
Loss rate: 2.47%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-19 20:53:36

End at: 2018-07-19 20:54:06

Local clock offset: 0.307 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-07-19 23:56:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 34.62 Mbit/s

95th percentile per-packet one-way delay: 62.824 ms

Loss rate: 1.07%

-- Flow 1:

Average throughput: 23.91 Mbit/s

95th percentile per-packet one-way delay: 63.171 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 12.25 Mbit/s

95th percentile per-packet one-way delay: 62.461 ms

Loss rate: 1.37%

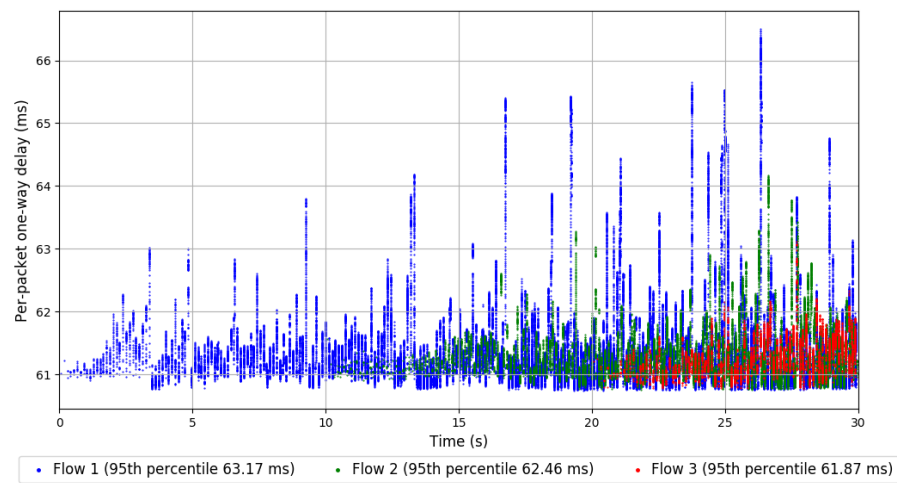
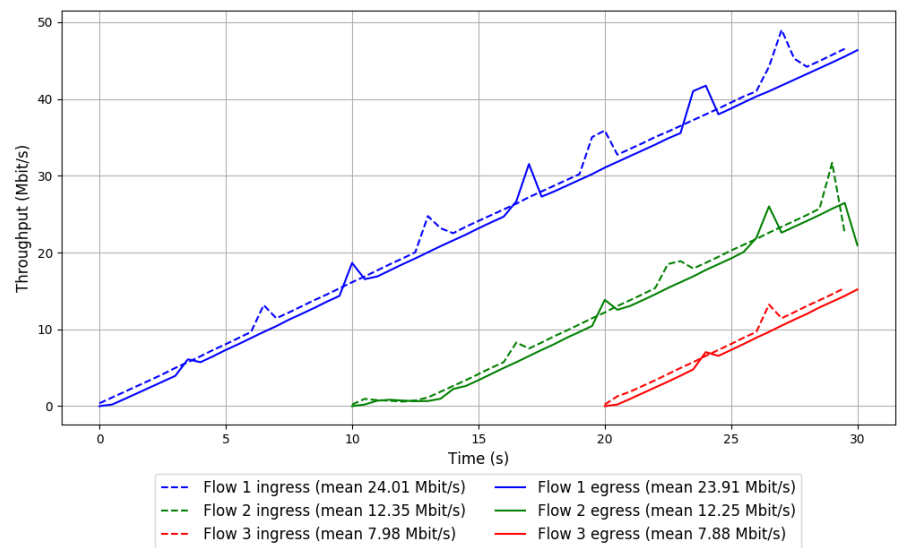
-- Flow 3:

Average throughput: 7.88 Mbit/s

95th percentile per-packet one-way delay: 61.865 ms

Loss rate: 2.47%

Run 9: Report of LEDBAT — Data Link

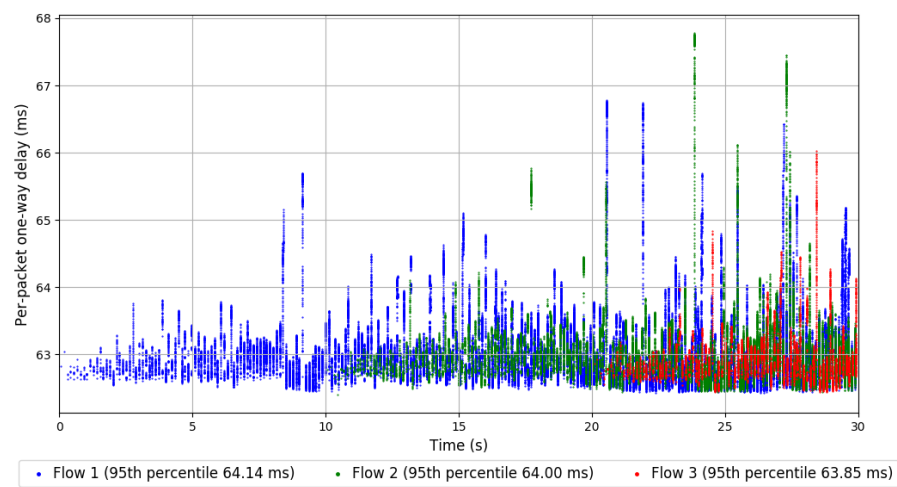
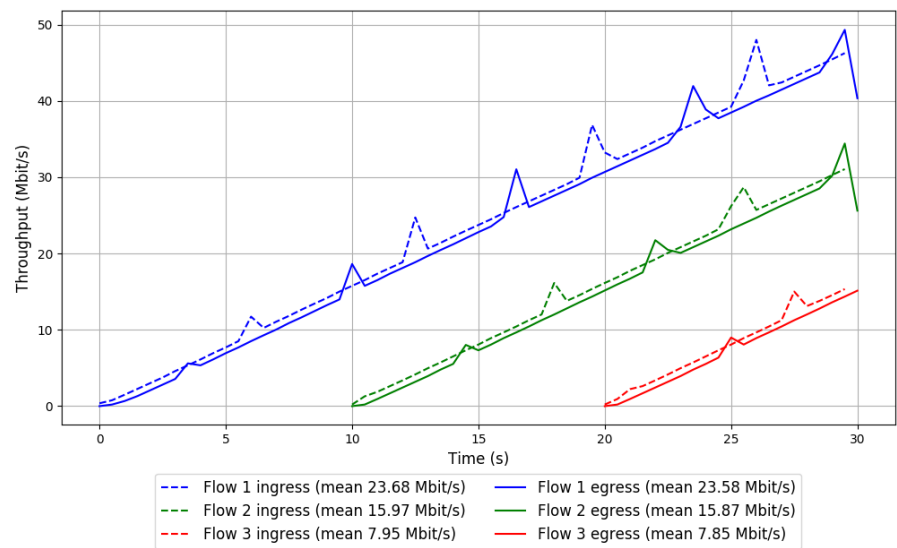


Run 10: Statistics of LEDBAT

Start at: 2018-07-19 21:19:03
End at: 2018-07-19 21:19:33
Local clock offset: 0.355 ms
Remote clock offset: -1.434 ms

Below is generated by plot.py at 2018-07-19 23:56:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.67 Mbit/s
95th percentile per-packet one-way delay: 64.073 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 23.58 Mbit/s
95th percentile per-packet one-way delay: 64.138 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 15.87 Mbit/s
95th percentile per-packet one-way delay: 64.003 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 7.85 Mbit/s
95th percentile per-packet one-way delay: 63.850 ms
Loss rate: 2.48%

Run 10: Report of LEDBAT — Data Link

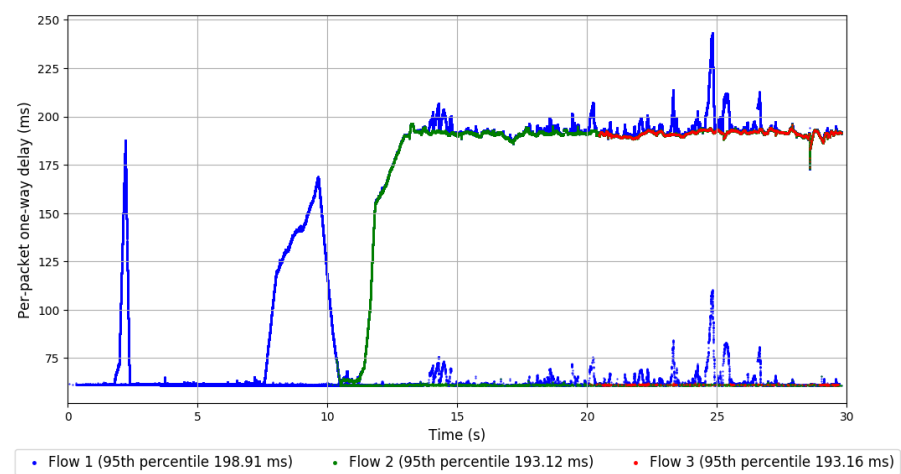
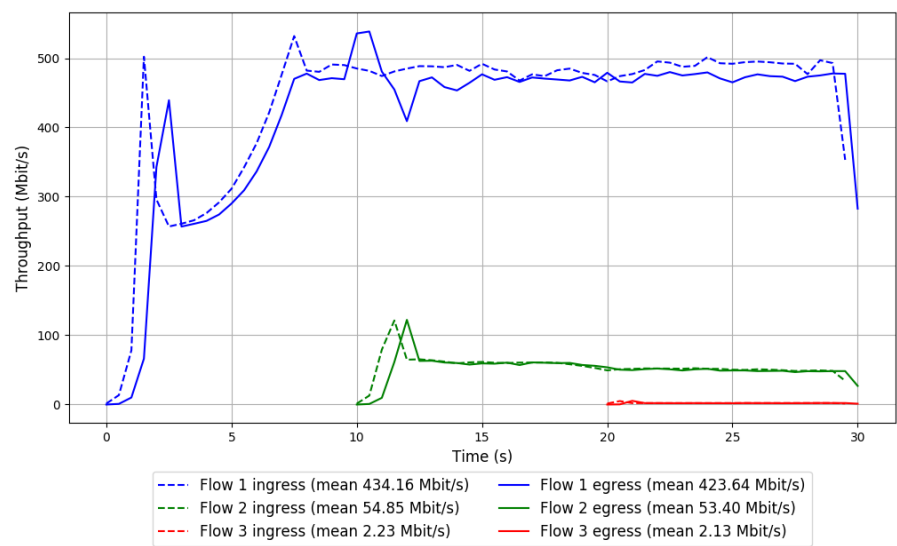


Run 1: Statistics of PCC-Allegro

Start at: 2018-07-19 17:32:13
End at: 2018-07-19 17:32:43
Local clock offset: -0.04 ms
Remote clock offset: -0.274 ms

Below is generated by plot.py at 2018-07-20 00:00:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 459.77 Mbit/s
95th percentile per-packet one-way delay: 198.371 ms
Loss rate: 2.86%
-- Flow 1:
Average throughput: 423.64 Mbit/s
95th percentile per-packet one-way delay: 198.912 ms
Loss rate: 2.82%
-- Flow 2:
Average throughput: 53.40 Mbit/s
95th percentile per-packet one-way delay: 193.118 ms
Loss rate: 3.25%
-- Flow 3:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 193.158 ms
Loss rate: 6.06%

Run 1: Report of PCC-Allegro — Data Link

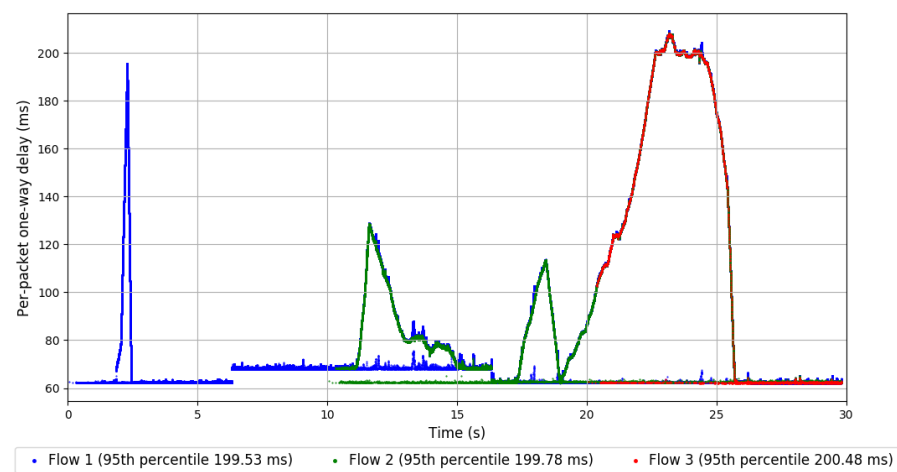
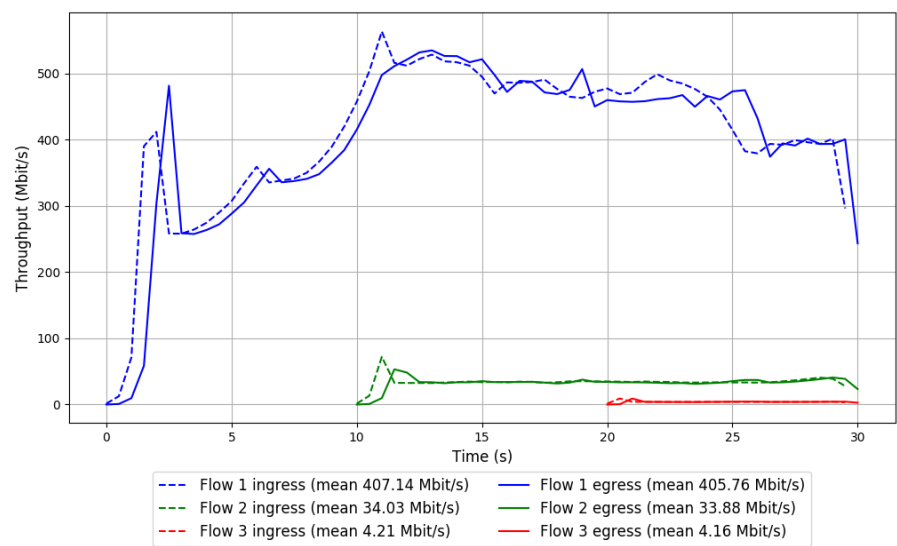


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-19 17:57:17
End at: 2018-07-19 17:57:47
Local clock offset: -0.008 ms
Remote clock offset: -1.175 ms

Below is generated by plot.py at 2018-07-20 00:00:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 429.59 Mbit/s
95th percentile per-packet one-way delay: 199.562 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 405.76 Mbit/s
95th percentile per-packet one-way delay: 199.534 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 33.88 Mbit/s
95th percentile per-packet one-way delay: 199.780 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 4.16 Mbit/s
95th percentile per-packet one-way delay: 200.482 ms
Loss rate: 2.23%

Run 2: Report of PCC-Allegro — Data Link

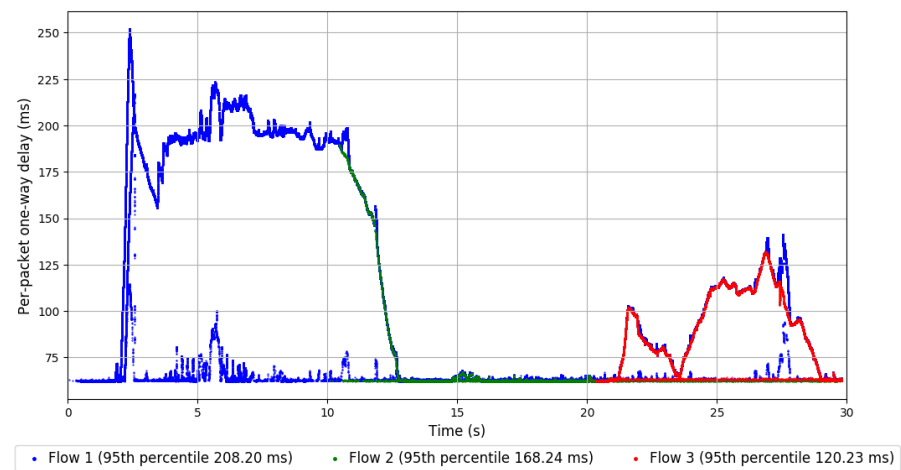
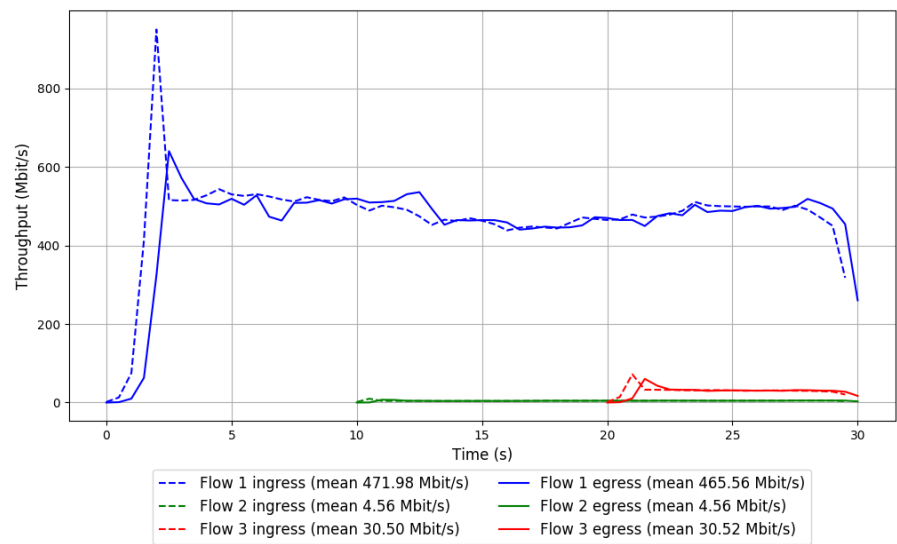


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-19 18:22:03
End at: 2018-07-19 18:22:33
Local clock offset: -0.049 ms
Remote clock offset: -1.503 ms

Below is generated by plot.py at 2018-07-20 00:01:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 478.51 Mbit/s
95th percentile per-packet one-way delay: 207.844 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 465.56 Mbit/s
95th percentile per-packet one-way delay: 208.197 ms
Loss rate: 1.77%
-- Flow 2:
Average throughput: 4.56 Mbit/s
95th percentile per-packet one-way delay: 168.239 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 30.52 Mbit/s
95th percentile per-packet one-way delay: 120.230 ms
Loss rate: 1.18%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-19 18:47:27

End at: 2018-07-19 18:47:57

Local clock offset: 0.017 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-07-20 00:03:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 503.81 Mbit/s

95th percentile per-packet one-way delay: 164.814 ms

Loss rate: 1.06%

-- Flow 1:

Average throughput: 479.93 Mbit/s

95th percentile per-packet one-way delay: 165.346 ms

Loss rate: 1.05%

-- Flow 2:

Average throughput: 5.27 Mbit/s

95th percentile per-packet one-way delay: 146.941 ms

Loss rate: 0.76%

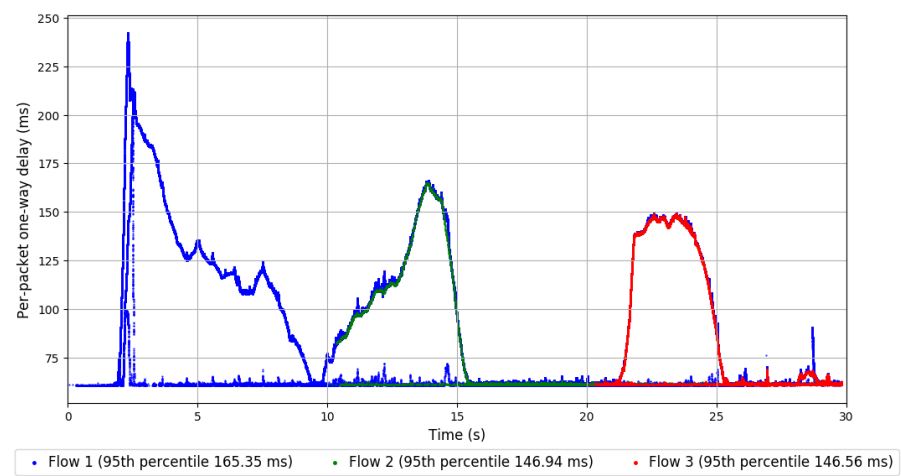
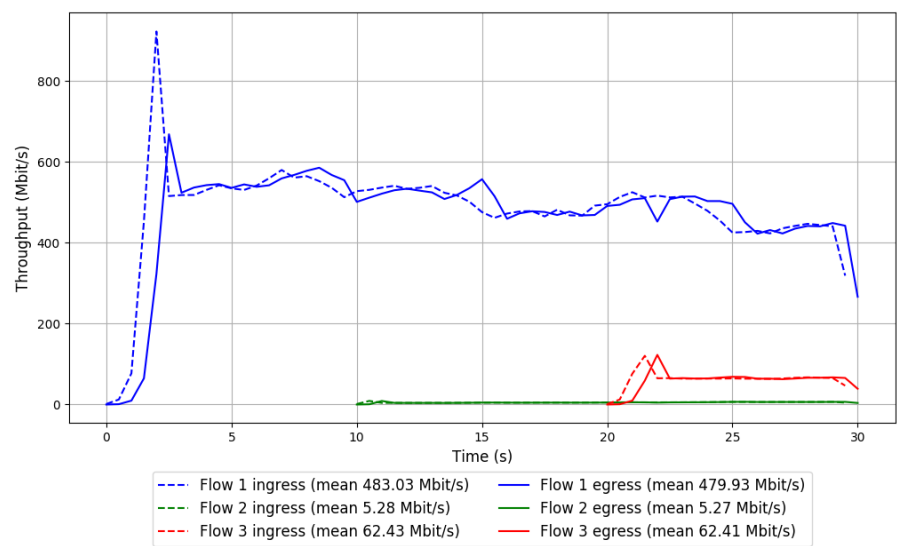
-- Flow 3:

Average throughput: 62.41 Mbit/s

95th percentile per-packet one-way delay: 146.560 ms

Loss rate: 1.28%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-19 19:12:54

End at: 2018-07-19 19:13:24

Local clock offset: 0.07 ms

Remote clock offset: 1.093 ms

Below is generated by plot.py at 2018-07-20 00:03:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 521.89 Mbit/s

95th percentile per-packet one-way delay: 192.443 ms

Loss rate: 3.15%

-- Flow 1:

Average throughput: 478.40 Mbit/s

95th percentile per-packet one-way delay: 192.973 ms

Loss rate: 3.28%

-- Flow 2:

Average throughput: 63.52 Mbit/s

95th percentile per-packet one-way delay: 190.226 ms

Loss rate: 1.68%

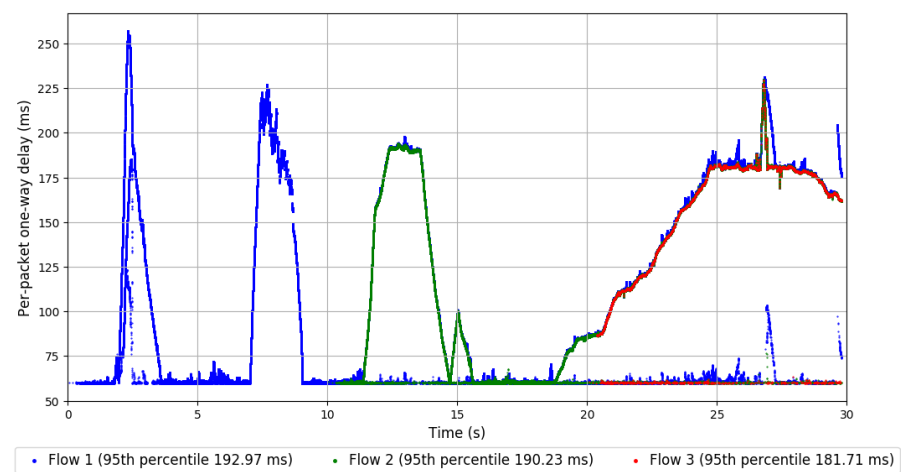
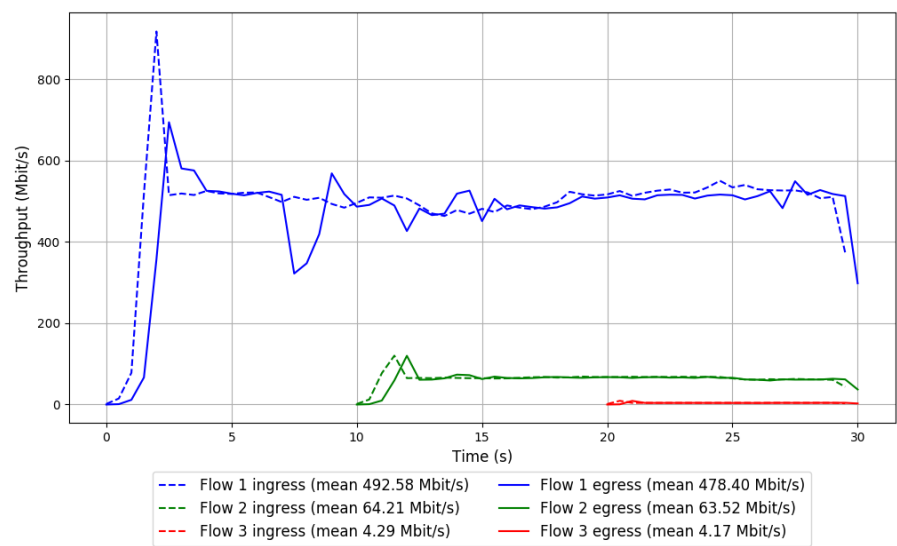
-- Flow 3:

Average throughput: 4.17 Mbit/s

95th percentile per-packet one-way delay: 181.706 ms

Loss rate: 3.94%

Run 5: Report of PCC-Allegro — Data Link

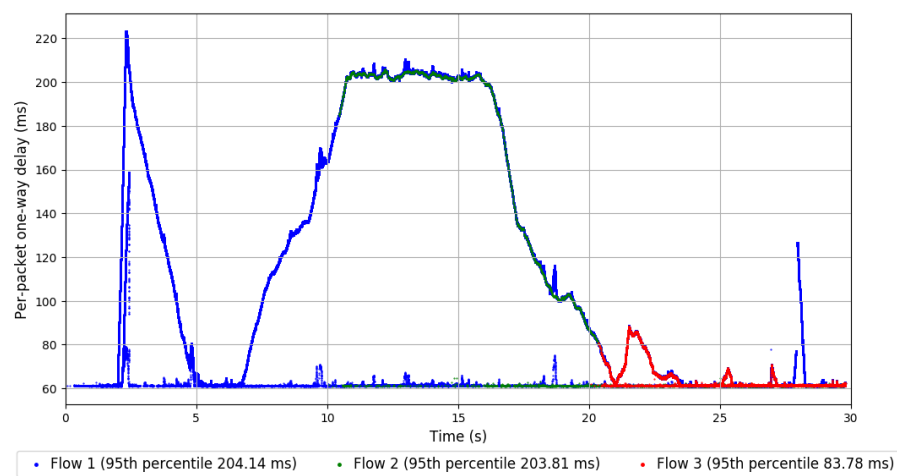
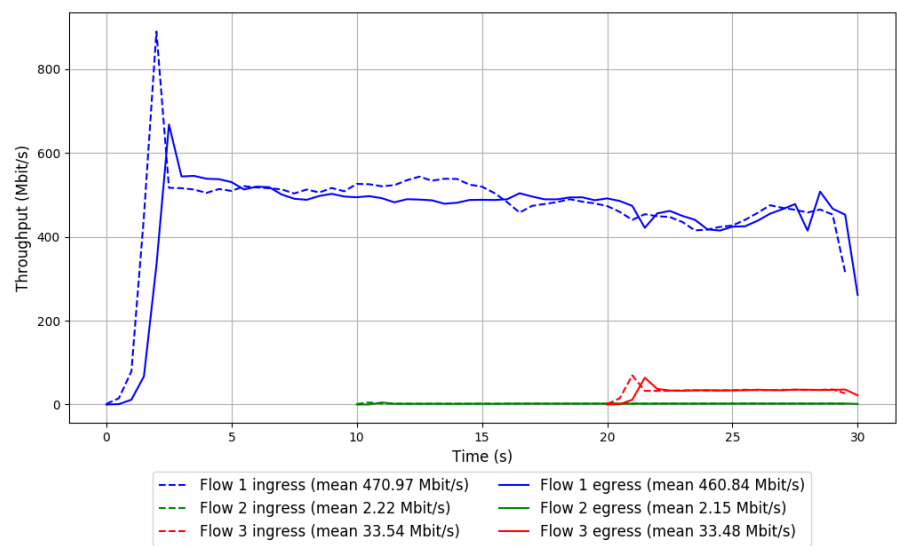


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-19 19:38:26
End at: 2018-07-19 19:38:56
Local clock offset: 0.169 ms
Remote clock offset: -0.195 ms

Below is generated by plot.py at 2018-07-20 00:03:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 473.21 Mbit/s
95th percentile per-packet one-way delay: 204.102 ms
Loss rate: 2.53%
-- Flow 1:
Average throughput: 460.84 Mbit/s
95th percentile per-packet one-way delay: 204.138 ms
Loss rate: 2.55%
-- Flow 2:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 203.806 ms
Loss rate: 3.75%
-- Flow 3:
Average throughput: 33.48 Mbit/s
95th percentile per-packet one-way delay: 83.776 ms
Loss rate: 1.41%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-19 20:03:57

End at: 2018-07-19 20:04:27

Local clock offset: 0.23 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2018-07-20 00:04:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 487.42 Mbit/s

95th percentile per-packet one-way delay: 139.709 ms

Loss rate: 1.16%

-- Flow 1:

Average throughput: 462.80 Mbit/s

95th percentile per-packet one-way delay: 140.354 ms

Loss rate: 1.14%

-- Flow 2:

Average throughput: 5.68 Mbit/s

95th percentile per-packet one-way delay: 124.678 ms

Loss rate: 0.94%

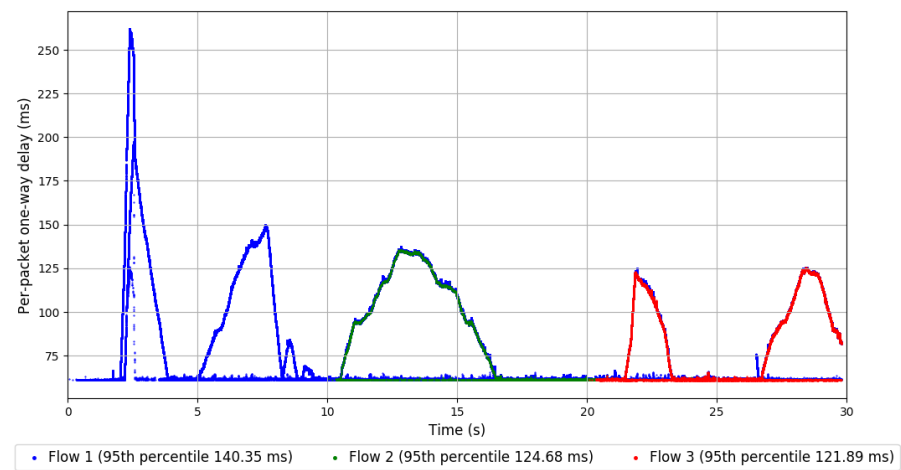
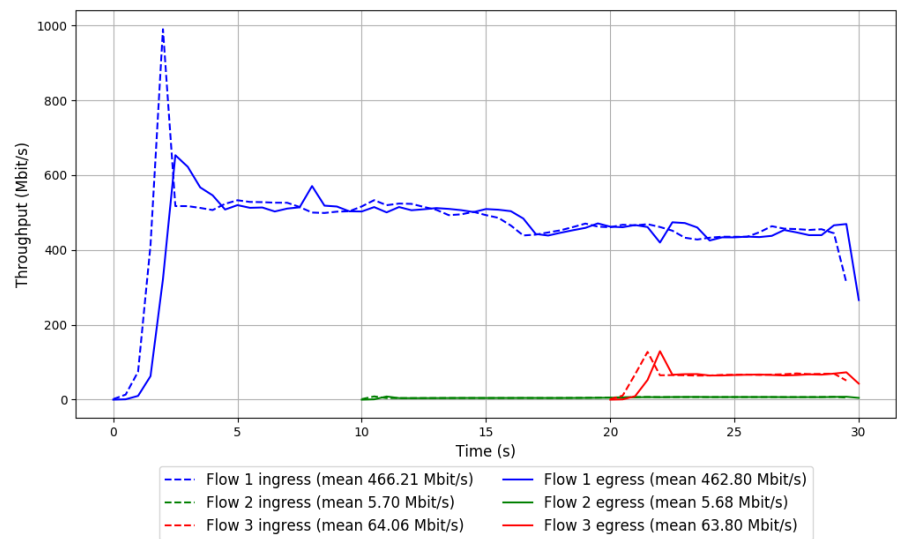
-- Flow 3:

Average throughput: 63.80 Mbit/s

95th percentile per-packet one-way delay: 121.886 ms

Loss rate: 1.66%

Run 7: Report of PCC-Allegro — Data Link

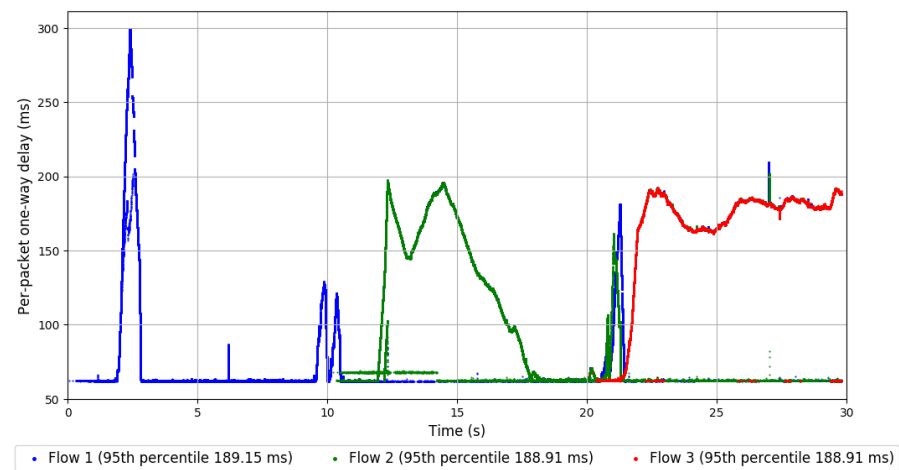
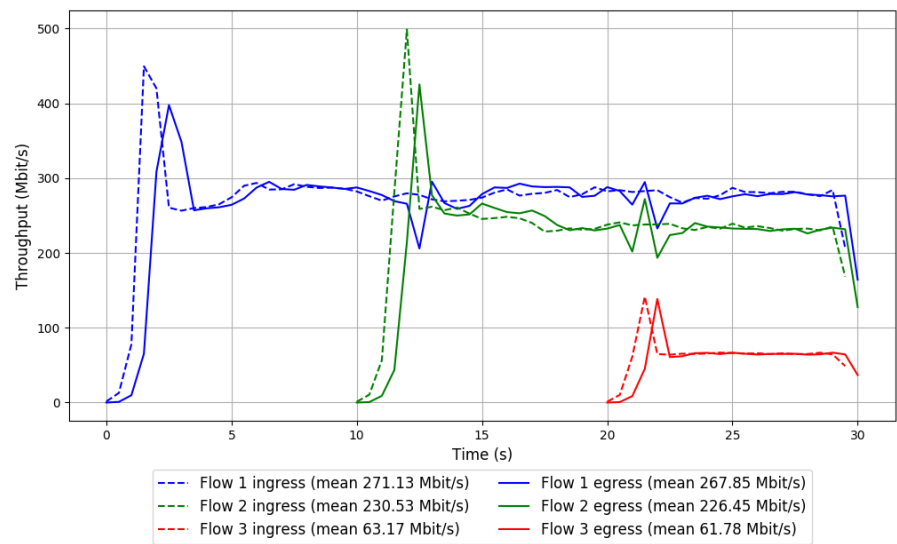


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-19 20:29:29
End at: 2018-07-19 20:29:59
Local clock offset: 0.229 ms
Remote clock offset: -1.217 ms

Below is generated by plot.py at 2018-07-20 00:06:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 438.17 Mbit/s
95th percentile per-packet one-way delay: 189.025 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 267.85 Mbit/s
95th percentile per-packet one-way delay: 189.151 ms
Loss rate: 1.62%
-- Flow 2:
Average throughput: 226.45 Mbit/s
95th percentile per-packet one-way delay: 188.915 ms
Loss rate: 2.41%
-- Flow 3:
Average throughput: 61.78 Mbit/s
95th percentile per-packet one-way delay: 188.906 ms
Loss rate: 3.44%

Run 8: Report of PCC-Allegro — Data Link

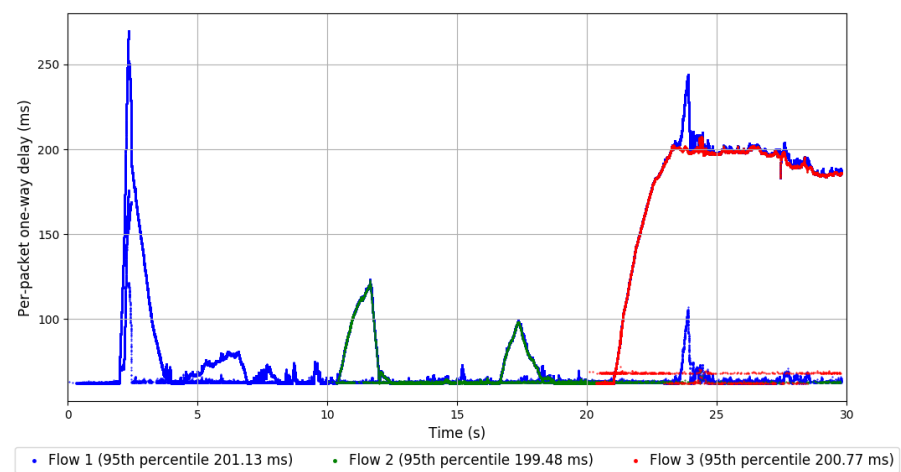
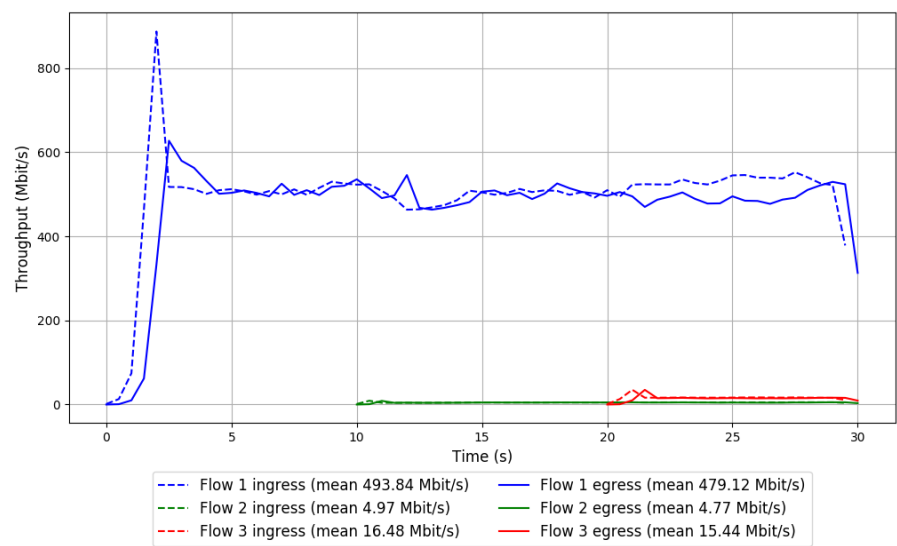


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-19 20:54:47
End at: 2018-07-19 20:55:17
Local clock offset: 0.341 ms
Remote clock offset: -1.402 ms

Below is generated by plot.py at 2018-07-20 00:11:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 487.30 Mbit/s
95th percentile per-packet one-way delay: 201.094 ms
Loss rate: 3.43%
-- Flow 1:
Average throughput: 479.12 Mbit/s
95th percentile per-packet one-way delay: 201.130 ms
Loss rate: 3.38%
-- Flow 2:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 199.480 ms
Loss rate: 4.43%
-- Flow 3:
Average throughput: 15.44 Mbit/s
95th percentile per-packet one-way delay: 200.774 ms
Loss rate: 7.56%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-19 21:20:14

End at: 2018-07-19 21:20:44

Local clock offset: 0.375 ms

Remote clock offset: 0.241 ms

Below is generated by plot.py at 2018-07-20 00:11:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 482.51 Mbit/s

95th percentile per-packet one-way delay: 201.996 ms

Loss rate: 1.42%

-- Flow 1:

Average throughput: 460.27 Mbit/s

95th percentile per-packet one-way delay: 202.056 ms

Loss rate: 1.41%

-- Flow 2:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 201.939 ms

Loss rate: 1.49%

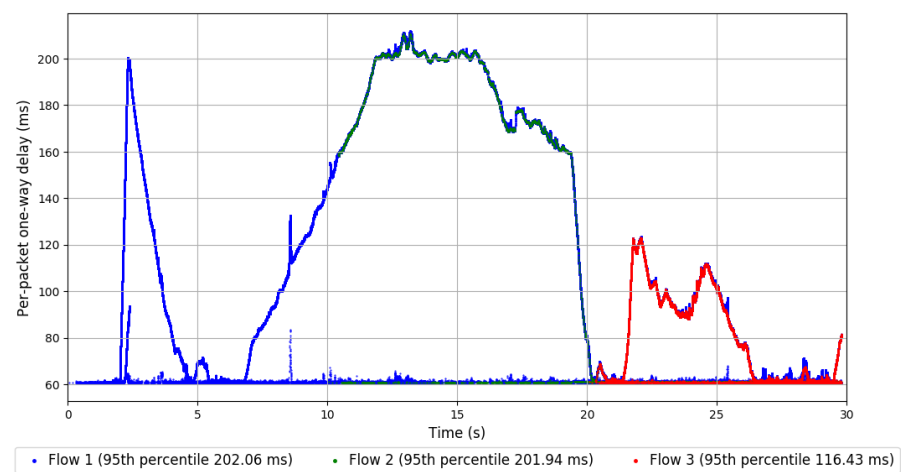
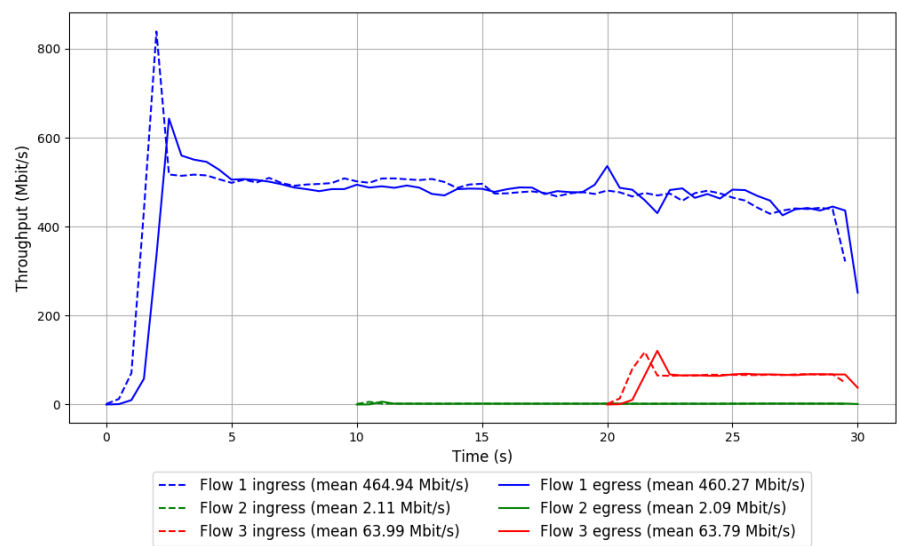
-- Flow 3:

Average throughput: 63.79 Mbit/s

95th percentile per-packet one-way delay: 116.428 ms

Loss rate: 1.57%

Run 10: Report of PCC-Allegro — Data Link

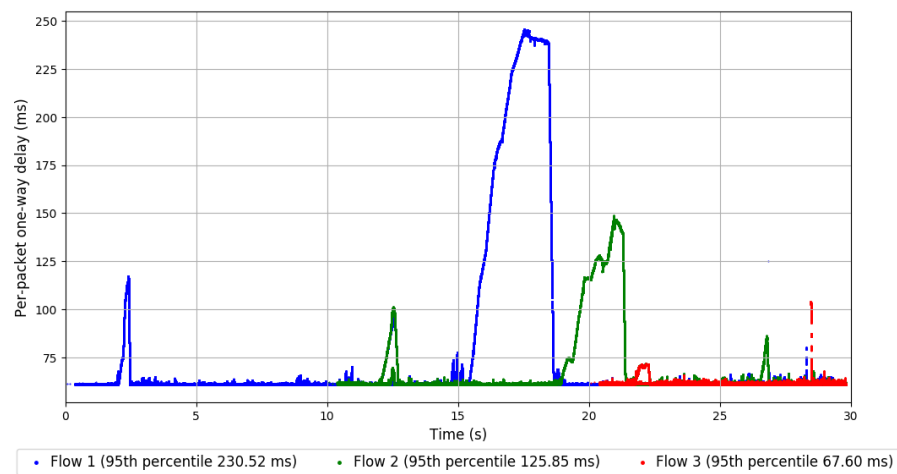
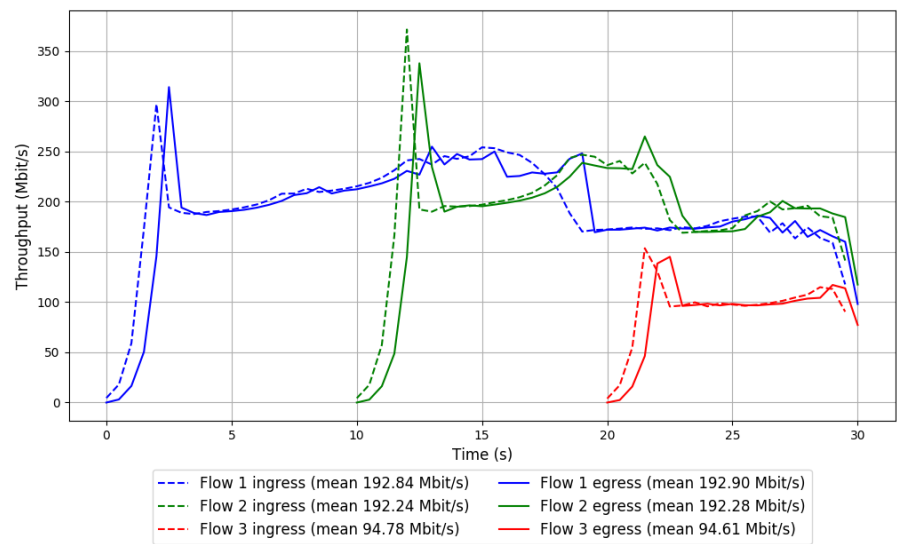


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-19 17:14:27
End at: 2018-07-19 17:14:58
Local clock offset: -0.047 ms
Remote clock offset: -0.056 ms

# Below is generated by plot.py at 2018-07-20 00:15:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 351.42 Mbit/s
95th percentile per-packet one-way delay: 165.508 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 192.90 Mbit/s
95th percentile per-packet one-way delay: 230.522 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 192.28 Mbit/s
95th percentile per-packet one-way delay: 125.846 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 94.61 Mbit/s
95th percentile per-packet one-way delay: 67.597 ms
Loss rate: 1.44%
```


Run 1: Report of PCC-Expr — Data Link

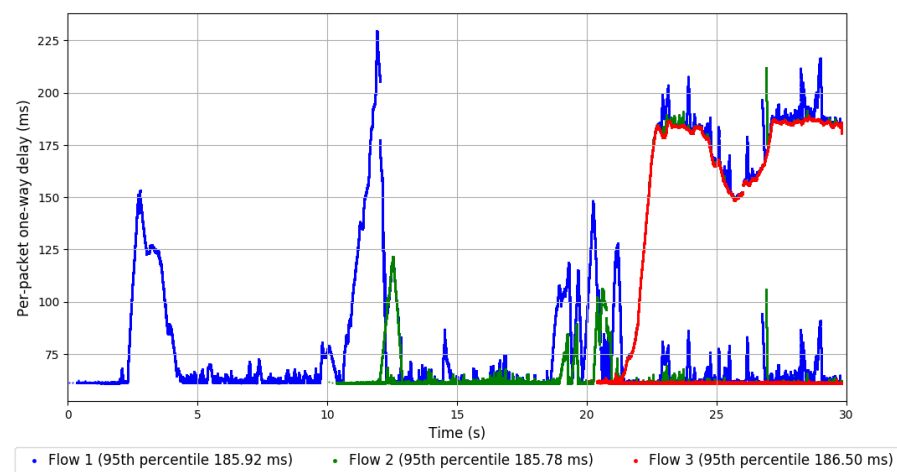
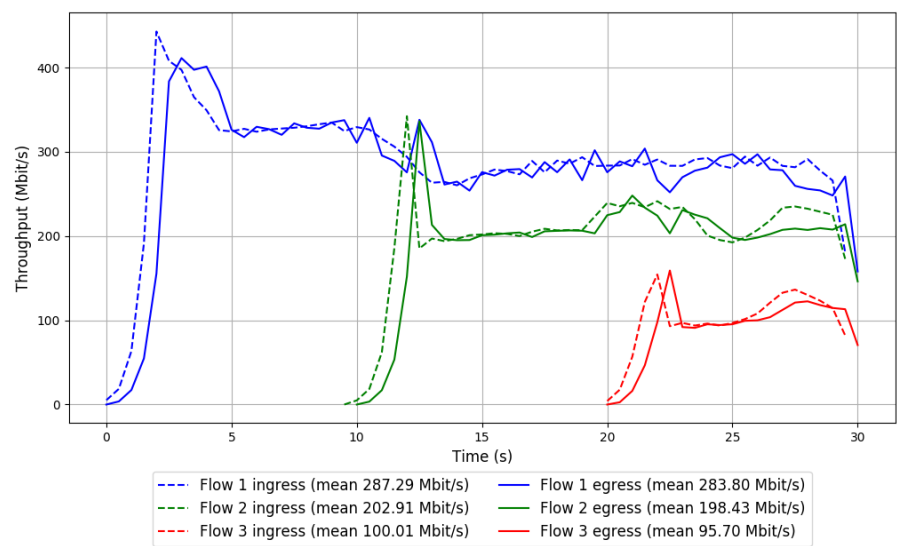


Run 2: Statistics of PCC-Expr

Start at: 2018-07-19 17:39:54
End at: 2018-07-19 17:40:24
Local clock offset: -0.008 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-20 00:21:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 446.90 Mbit/s
95th percentile per-packet one-way delay: 185.990 ms
Loss rate: 2.26%
-- Flow 1:
Average throughput: 283.80 Mbit/s
95th percentile per-packet one-way delay: 185.916 ms
Loss rate: 1.62%
-- Flow 2:
Average throughput: 198.43 Mbit/s
95th percentile per-packet one-way delay: 185.779 ms
Loss rate: 2.82%
-- Flow 3:
Average throughput: 95.70 Mbit/s
95th percentile per-packet one-way delay: 186.505 ms
Loss rate: 5.50%

Run 2: Report of PCC-Expr — Data Link

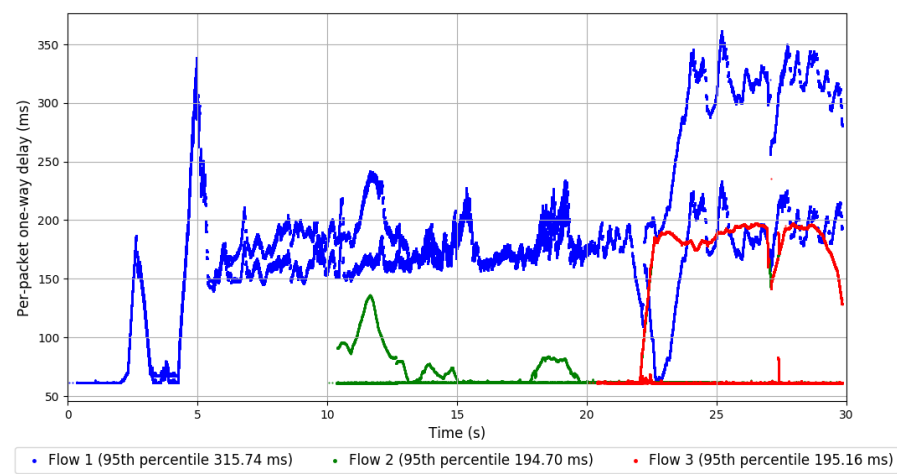
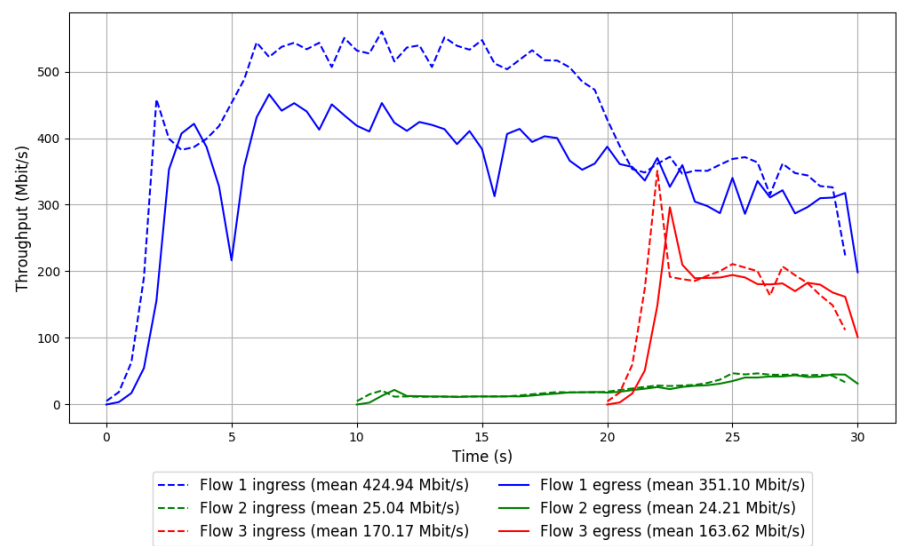


Run 3: Statistics of PCC-Expr

Start at: 2018-07-19 18:04:41
End at: 2018-07-19 18:05:11
Local clock offset: -0.082 ms
Remote clock offset: -0.376 ms

Below is generated by plot.py at 2018-07-20 00:22:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 420.68 Mbit/s
95th percentile per-packet one-way delay: 310.886 ms
Loss rate: 15.82%
-- Flow 1:
Average throughput: 351.10 Mbit/s
95th percentile per-packet one-way delay: 315.741 ms
Loss rate: 17.71%
-- Flow 2:
Average throughput: 24.21 Mbit/s
95th percentile per-packet one-way delay: 194.696 ms
Loss rate: 3.90%
-- Flow 3:
Average throughput: 163.62 Mbit/s
95th percentile per-packet one-way delay: 195.160 ms
Loss rate: 5.02%

Run 3: Report of PCC-Expr — Data Link

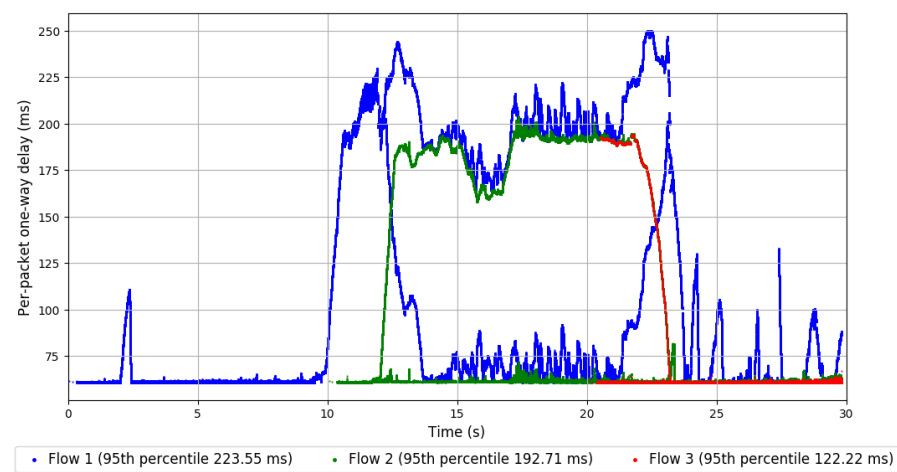
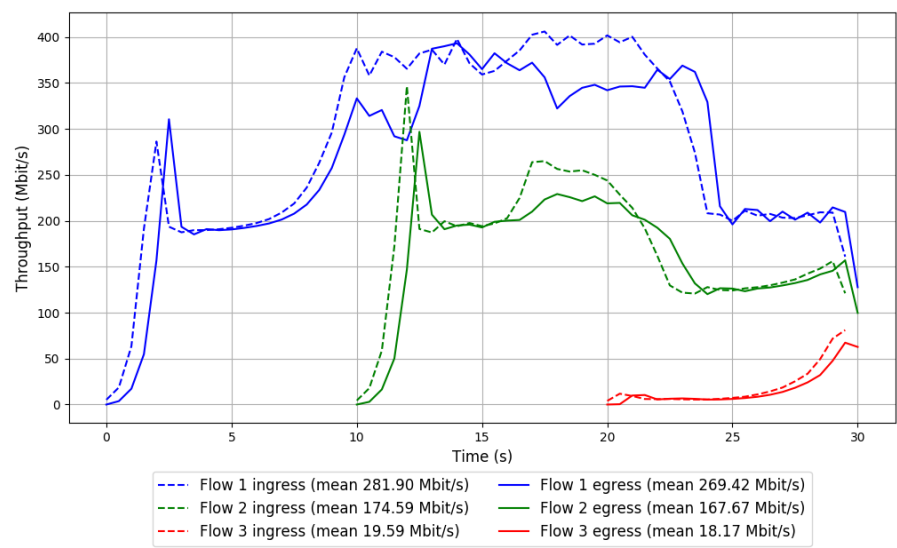


Run 4: Statistics of PCC-Expr

Start at: 2018-07-19 18:29:45
End at: 2018-07-19 18:30:15
Local clock offset: -0.002 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2018-07-20 00:22:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 386.60 Mbit/s
95th percentile per-packet one-way delay: 217.774 ms
Loss rate: 4.80%
-- Flow 1:
Average throughput: 269.42 Mbit/s
95th percentile per-packet one-way delay: 223.552 ms
Loss rate: 4.82%
-- Flow 2:
Average throughput: 167.67 Mbit/s
95th percentile per-packet one-way delay: 192.712 ms
Loss rate: 4.55%
-- Flow 3:
Average throughput: 18.17 Mbit/s
95th percentile per-packet one-way delay: 122.215 ms
Loss rate: 8.35%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-19 18:55:09

End at: 2018-07-19 18:55:39

Local clock offset: 0.027 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2018-07-20 00:22:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 386.64 Mbit/s

95th percentile per-packet one-way delay: 178.070 ms

Loss rate: 1.53%

-- Flow 1:

Average throughput: 222.25 Mbit/s

95th percentile per-packet one-way delay: 164.187 ms

Loss rate: 1.09%

-- Flow 2:

Average throughput: 208.78 Mbit/s

95th percentile per-packet one-way delay: 186.729 ms

Loss rate: 2.00%

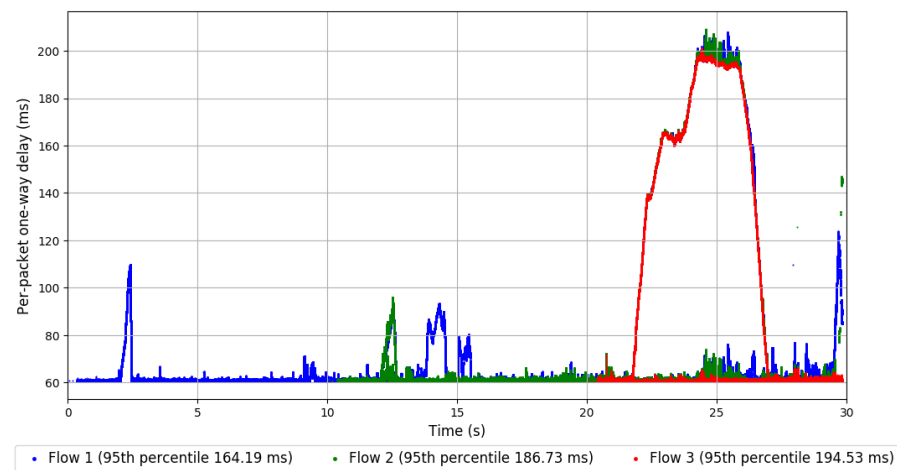
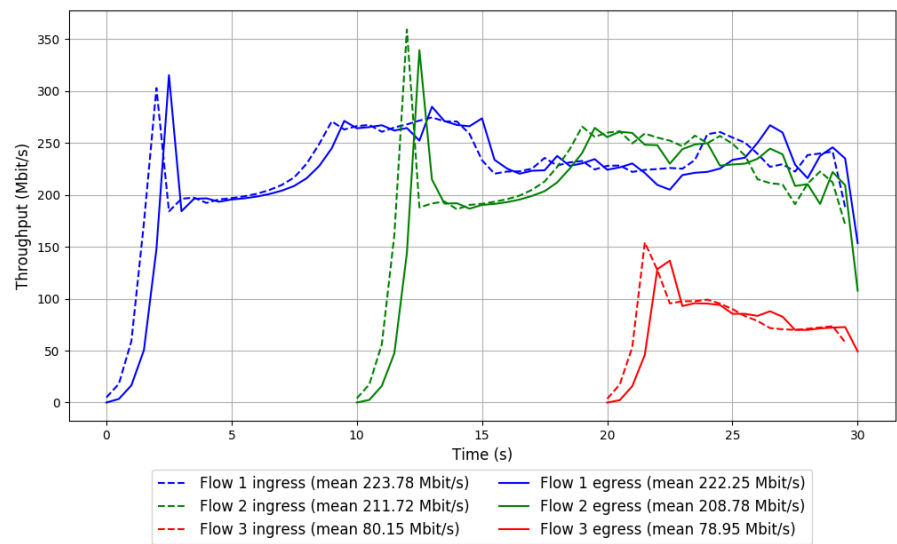
-- Flow 3:

Average throughput: 78.95 Mbit/s

95th percentile per-packet one-way delay: 194.533 ms

Loss rate: 2.72%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-19 19:20:33

End at: 2018-07-19 19:21:03

Local clock offset: 0.099 ms

Remote clock offset: 1.358 ms

Below is generated by plot.py at 2018-07-20 00:23:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 382.84 Mbit/s

95th percentile per-packet one-way delay: 125.606 ms

Loss rate: 0.95%

-- Flow 1:

Average throughput: 221.44 Mbit/s

95th percentile per-packet one-way delay: 177.037 ms

Loss rate: 1.08%

-- Flow 2:

Average throughput: 198.22 Mbit/s

95th percentile per-packet one-way delay: 113.818 ms

Loss rate: 0.61%

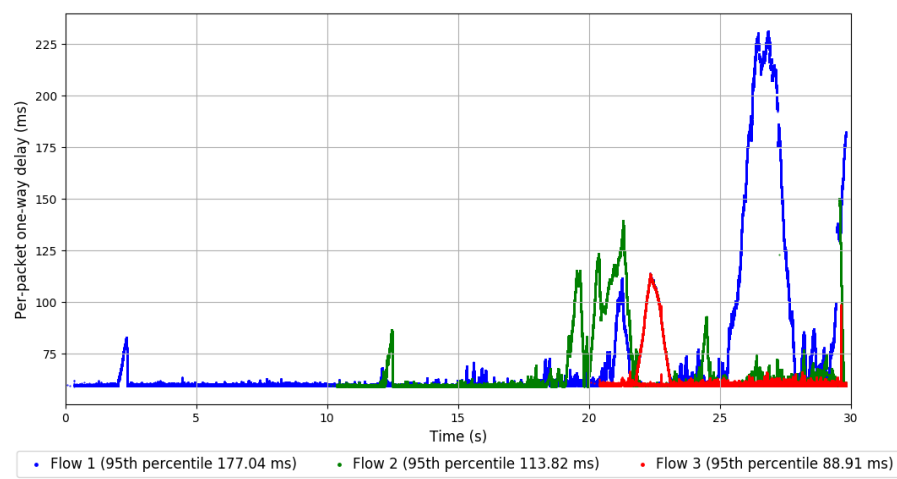
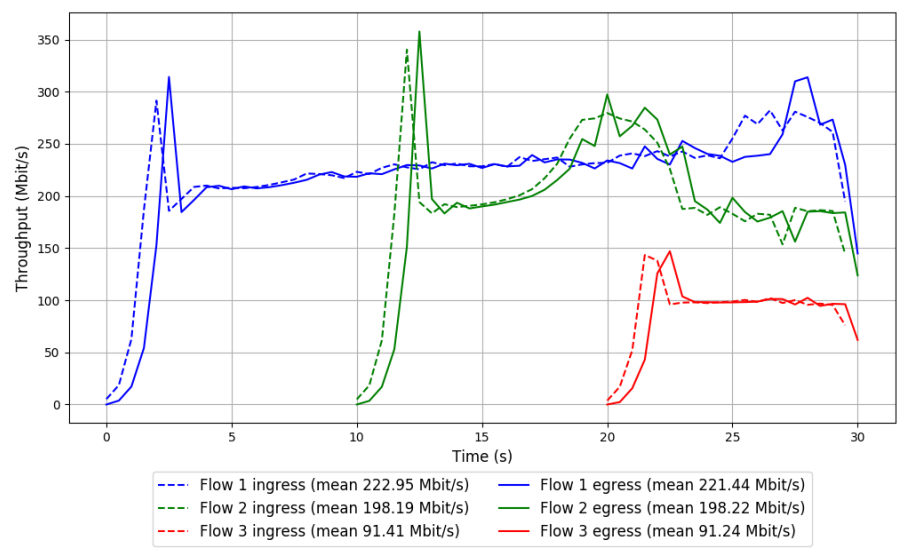
-- Flow 3:

Average throughput: 91.24 Mbit/s

95th percentile per-packet one-way delay: 88.911 ms

Loss rate: 1.44%

Run 6: Report of PCC-Expr — Data Link

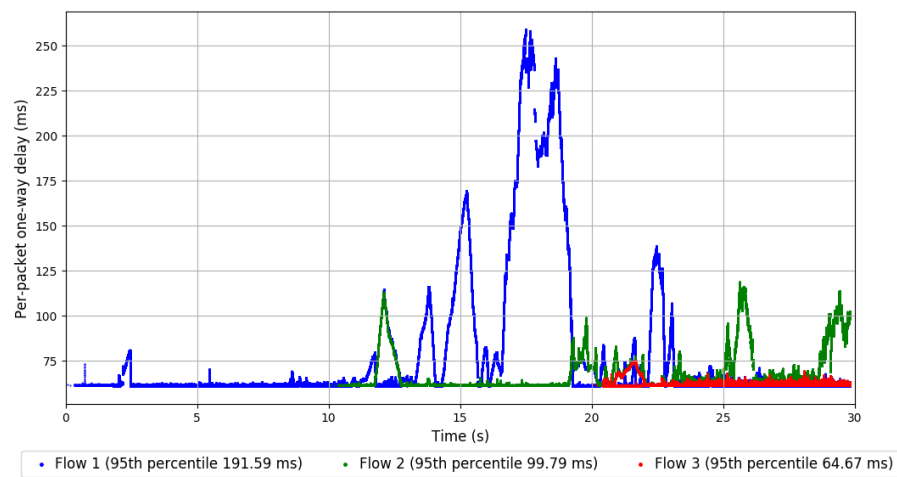
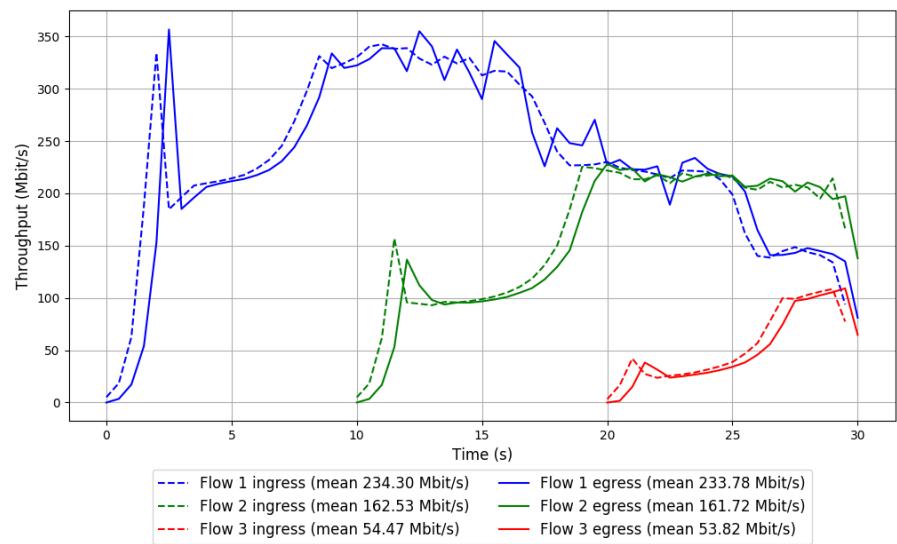


Run 7: Statistics of PCC-Expr

Start at: 2018-07-19 19:46:12
End at: 2018-07-19 19:46:42
Local clock offset: 0.188 ms
Remote clock offset: -0.224 ms

Below is generated by plot.py at 2018-07-20 00:27:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 358.72 Mbit/s
95th percentile per-packet one-way delay: 158.677 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 233.78 Mbit/s
95th percentile per-packet one-way delay: 191.591 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 161.72 Mbit/s
95th percentile per-packet one-way delay: 99.792 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 53.82 Mbit/s
95th percentile per-packet one-way delay: 64.667 ms
Loss rate: 2.41%

Run 7: Report of PCC-Expr — Data Link

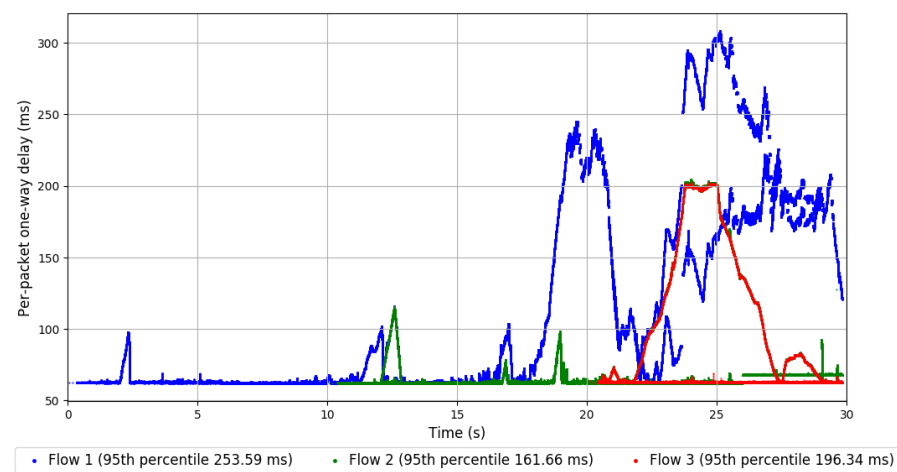
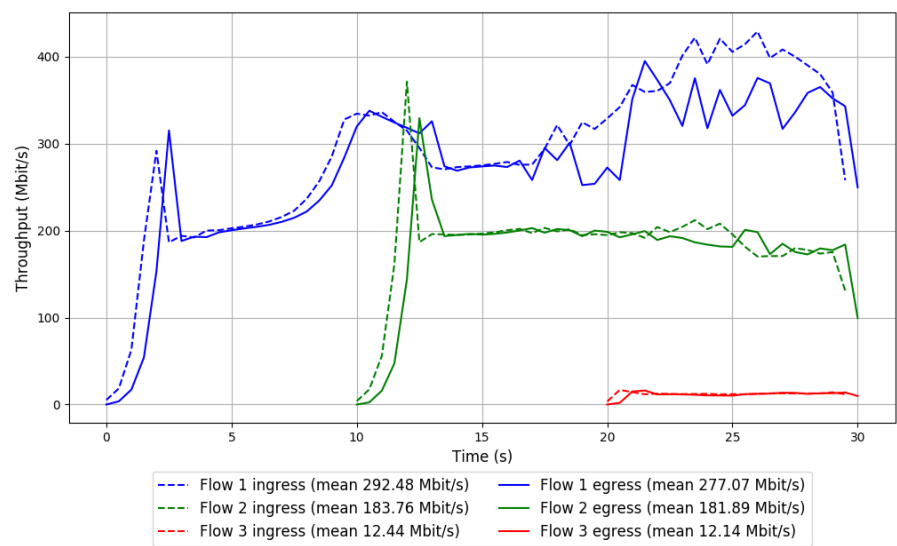


Run 8: Statistics of PCC-Expr

Start at: 2018-07-19 20:11:37
End at: 2018-07-19 20:12:07
Local clock offset: 0.239 ms
Remote clock offset: -1.131 ms

Below is generated by plot.py at 2018-07-20 00:29:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 401.74 Mbit/s
95th percentile per-packet one-way delay: 235.118 ms
Loss rate: 4.46%
-- Flow 1:
Average throughput: 277.07 Mbit/s
95th percentile per-packet one-way delay: 253.587 ms
Loss rate: 5.66%
-- Flow 2:
Average throughput: 181.89 Mbit/s
95th percentile per-packet one-way delay: 161.658 ms
Loss rate: 1.63%
-- Flow 3:
Average throughput: 12.14 Mbit/s
95th percentile per-packet one-way delay: 196.342 ms
Loss rate: 3.63%

Run 8: Report of PCC-Expr — Data Link

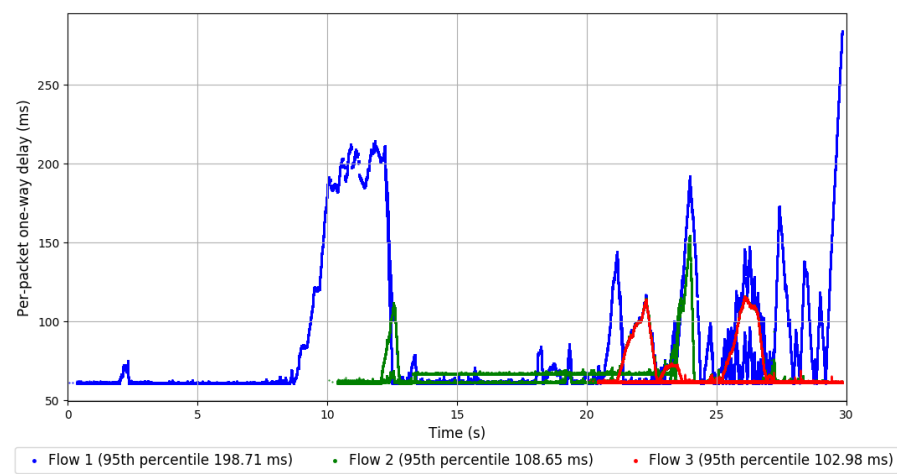
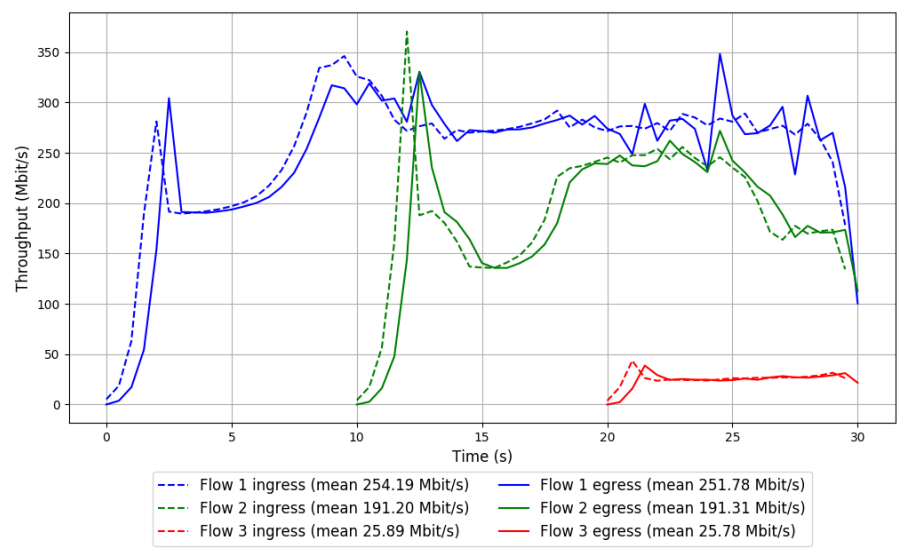


Run 9: Statistics of PCC-Expr

Start at: 2018-07-19 20:37:10
End at: 2018-07-19 20:37:40
Local clock offset: 0.321 ms
Remote clock offset: -0.184 ms

Below is generated by plot.py at 2018-07-20 00:33:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 387.18 Mbit/s
95th percentile per-packet one-way delay: 187.960 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 251.78 Mbit/s
95th percentile per-packet one-way delay: 198.712 ms
Loss rate: 1.36%
-- Flow 2:
Average throughput: 191.31 Mbit/s
95th percentile per-packet one-way delay: 108.647 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 25.78 Mbit/s
95th percentile per-packet one-way delay: 102.977 ms
Loss rate: 1.67%

Run 9: Report of PCC-Expr — Data Link

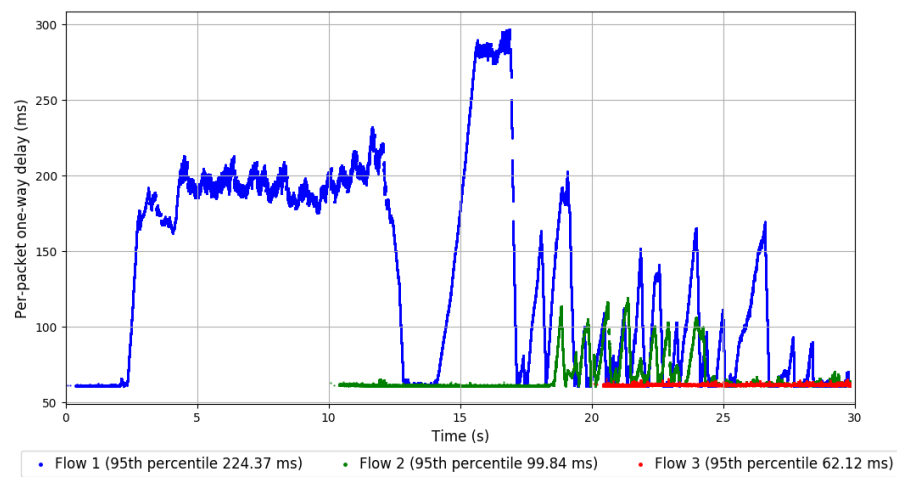
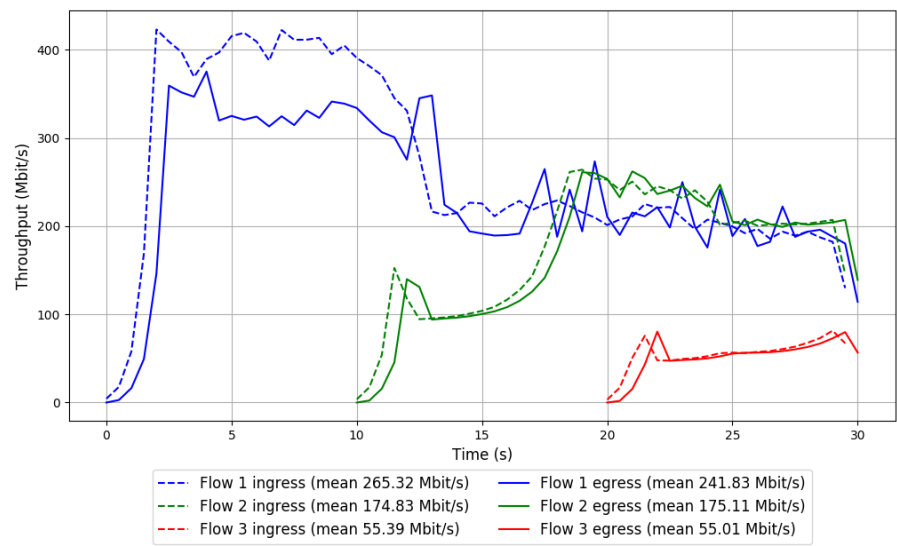


Run 10: Statistics of PCC-Expr

Start at: 2018-07-19 21:02:21
End at: 2018-07-19 21:02:51
Local clock offset: 0.273 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-20 00:36:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 375.98 Mbit/s
95th percentile per-packet one-way delay: 208.536 ms
Loss rate: 6.36%
-- Flow 1:
Average throughput: 241.83 Mbit/s
95th percentile per-packet one-way delay: 224.370 ms
Loss rate: 9.25%
-- Flow 2:
Average throughput: 175.11 Mbit/s
95th percentile per-packet one-way delay: 99.845 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 55.01 Mbit/s
95th percentile per-packet one-way delay: 62.117 ms
Loss rate: 1.94%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-19 17:33:39

End at: 2018-07-19 17:34:09

Local clock offset: -0.051 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-07-20 00:36:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.48 Mbit/s

95th percentile per-packet one-way delay: 61.108 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 45.63 Mbit/s

95th percentile per-packet one-way delay: 61.130 ms

Loss rate: 0.85%

-- Flow 2:

Average throughput: 30.47 Mbit/s

95th percentile per-packet one-way delay: 61.013 ms

Loss rate: 1.16%

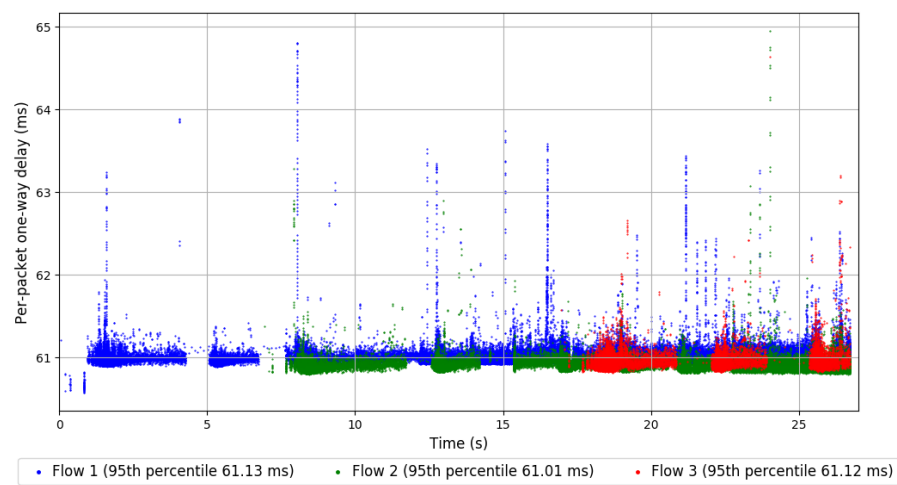
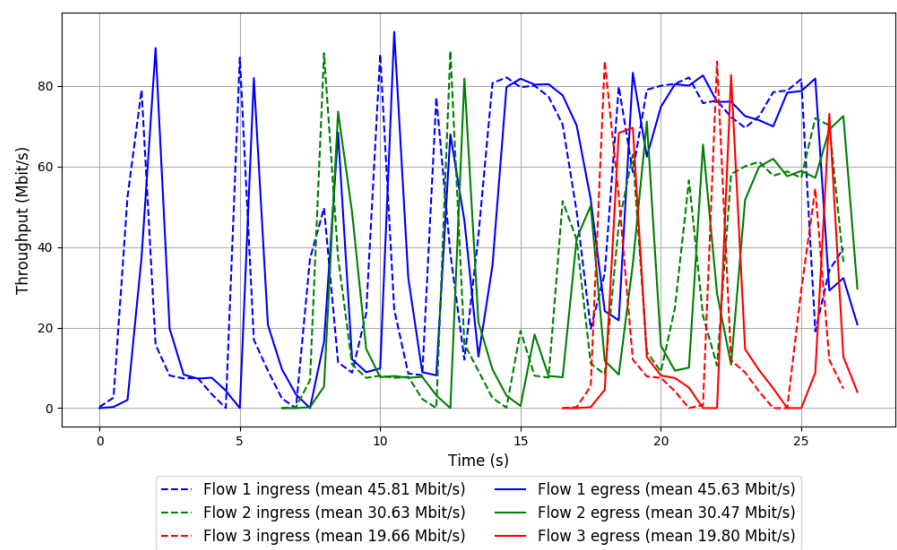
-- Flow 3:

Average throughput: 19.80 Mbit/s

95th percentile per-packet one-way delay: 61.120 ms

Loss rate: 0.52%

Run 1: Report of QUIC Cubic — Data Link

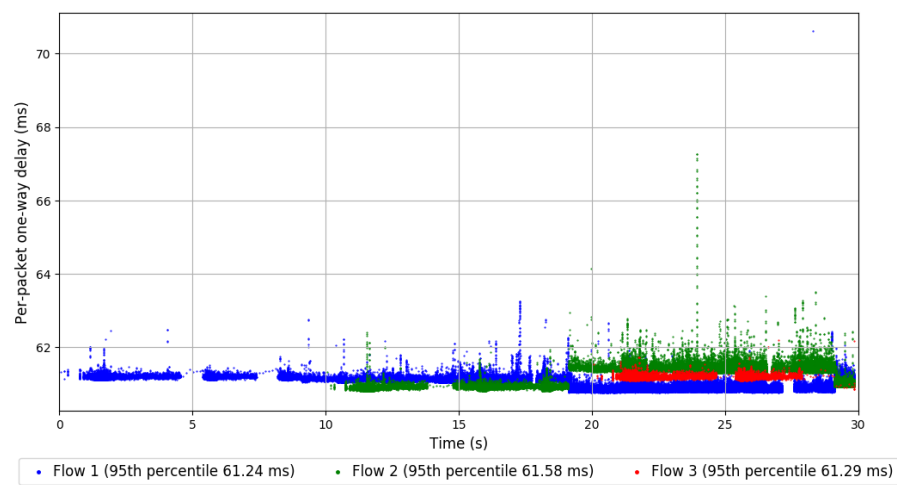
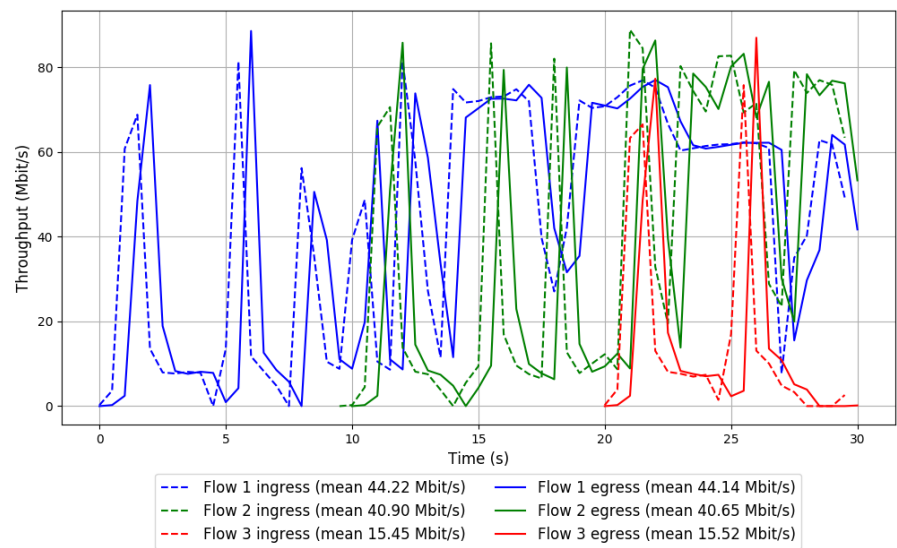


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-19 17:58:42
End at: 2018-07-19 17:59:12
Local clock offset: 0.013 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-07-20 00:36:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.23 Mbit/s
95th percentile per-packet one-way delay: 61.478 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 44.14 Mbit/s
95th percentile per-packet one-way delay: 61.241 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 40.65 Mbit/s
95th percentile per-packet one-way delay: 61.577 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 15.52 Mbit/s
95th percentile per-packet one-way delay: 61.293 ms
Loss rate: 0.81%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-19 18:23:30

End at: 2018-07-19 18:24:00

Local clock offset: -0.023 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-20 00:36:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.36 Mbit/s

95th percentile per-packet one-way delay: 61.188 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 39.72 Mbit/s

95th percentile per-packet one-way delay: 61.056 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 36.27 Mbit/s

95th percentile per-packet one-way delay: 61.214 ms

Loss rate: 1.26%

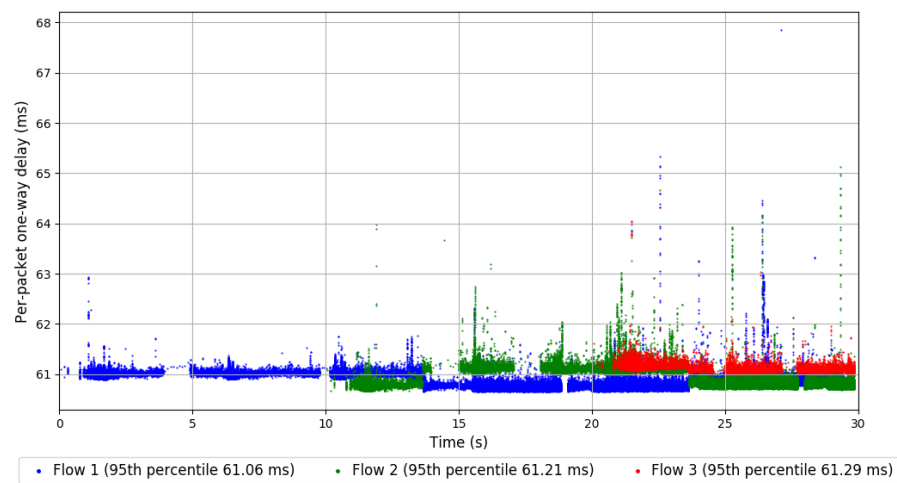
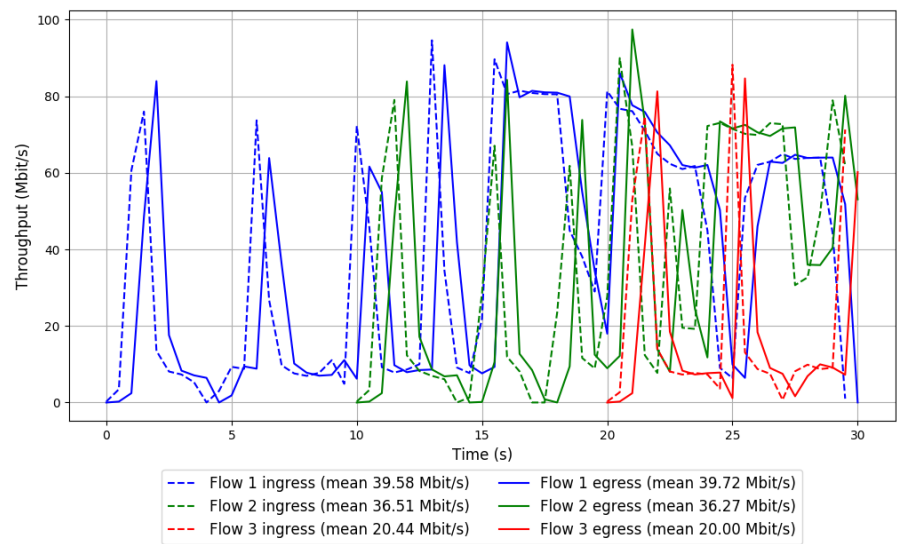
-- Flow 3:

Average throughput: 20.00 Mbit/s

95th percentile per-packet one-way delay: 61.290 ms

Loss rate: 3.39%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-19 18:48:55

End at: 2018-07-19 18:49:25

Local clock offset: -0.016 ms

Remote clock offset: 1.351 ms

Below is generated by plot.py at 2018-07-20 00:36:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.46 Mbit/s

95th percentile per-packet one-way delay: 59.826 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 39.31 Mbit/s

95th percentile per-packet one-way delay: 59.837 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 35.09 Mbit/s

95th percentile per-packet one-way delay: 59.755 ms

Loss rate: 1.15%

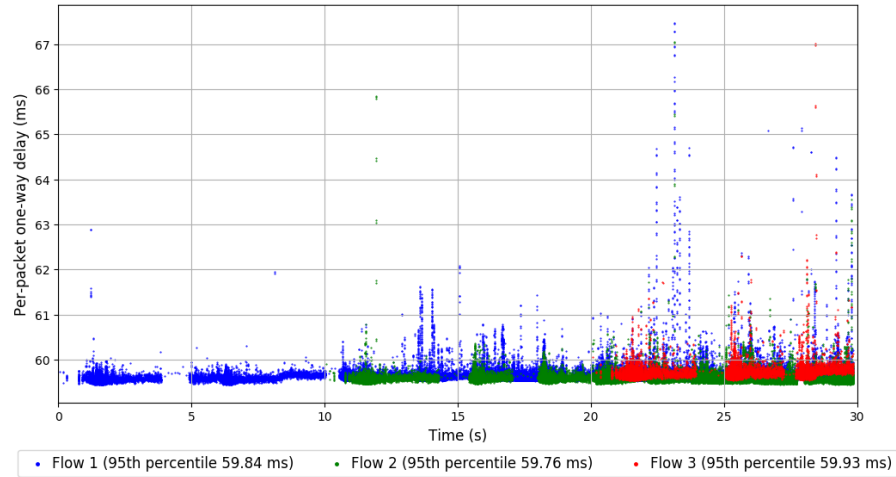
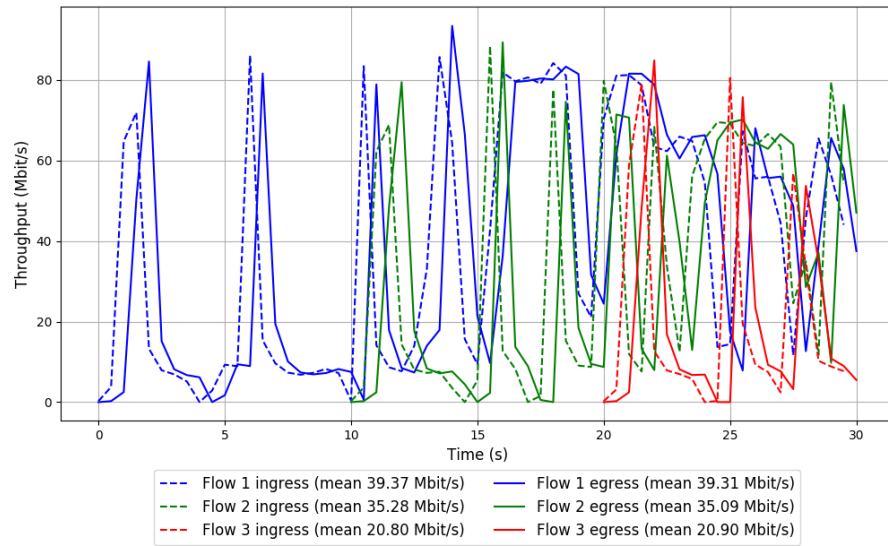
-- Flow 3:

Average throughput: 20.90 Mbit/s

95th percentile per-packet one-way delay: 59.930 ms

Loss rate: 0.76%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-19 19:14:24

End at: 2018-07-19 19:14:54

Local clock offset: 0.116 ms

Remote clock offset: 1.234 ms

Below is generated by plot.py at 2018-07-20 00:36:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.50 Mbit/s

95th percentile per-packet one-way delay: 60.076 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 49.64 Mbit/s

95th percentile per-packet one-way delay: 59.905 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 30.79 Mbit/s

95th percentile per-packet one-way delay: 60.189 ms

Loss rate: 1.09%

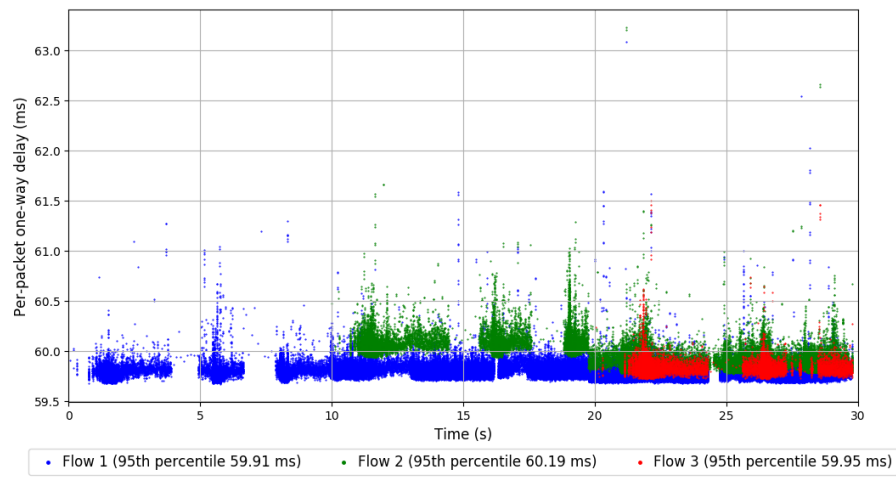
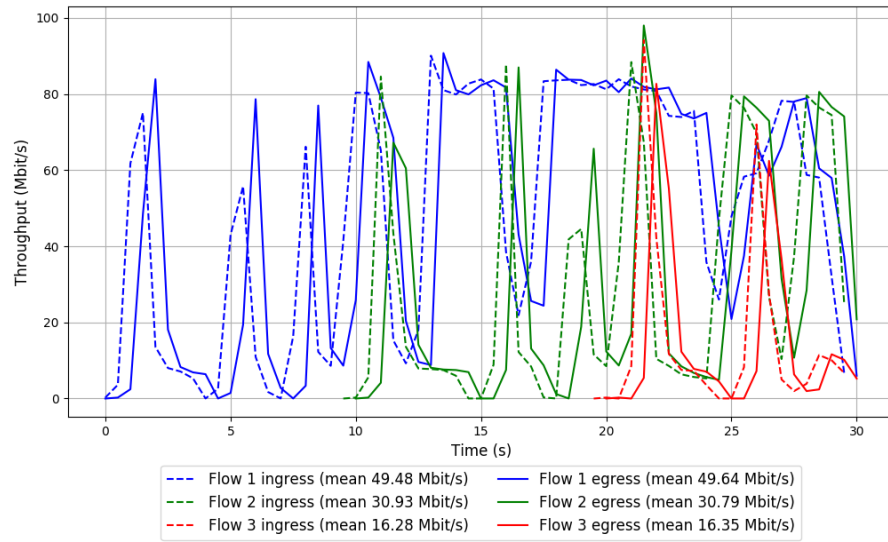
-- Flow 3:

Average throughput: 16.35 Mbit/s

95th percentile per-packet one-way delay: 59.946 ms

Loss rate: 0.82%

Run 5: Report of QUIC Cubic — Data Link

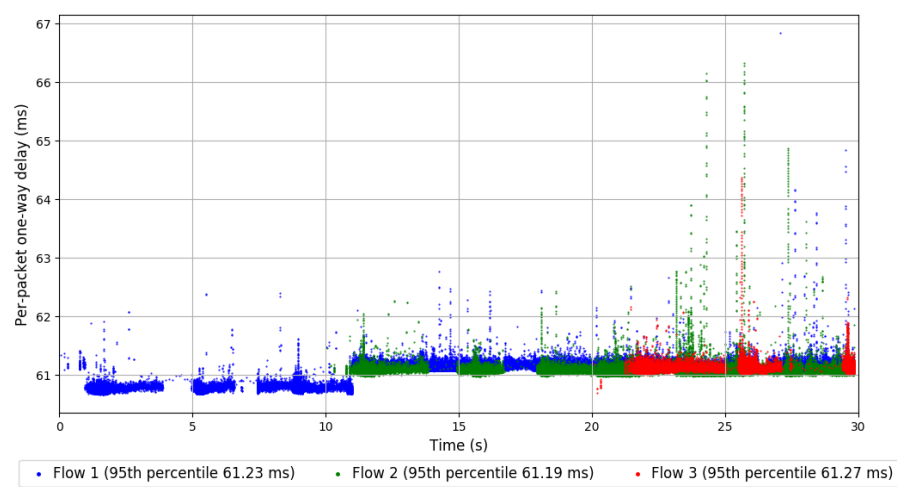
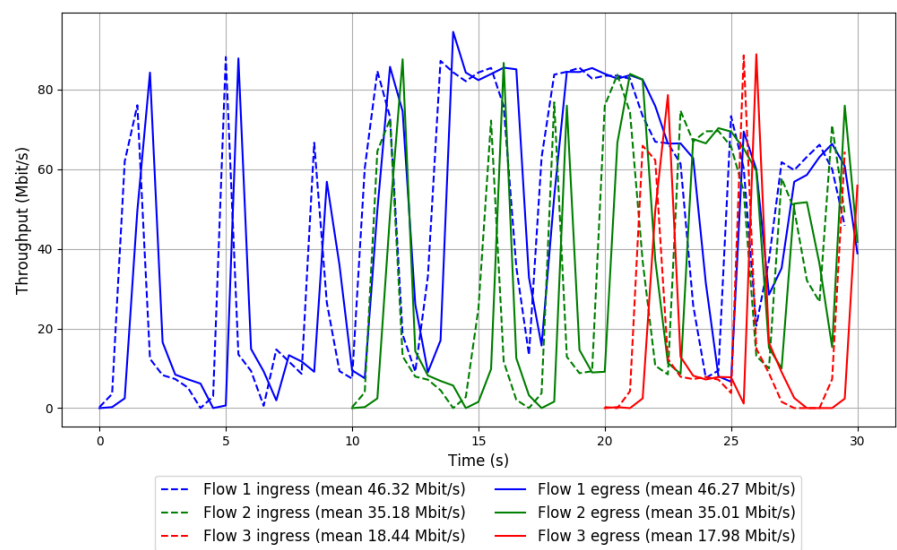


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-19 19:39:52
End at: 2018-07-19 19:40:22
Local clock offset: 0.152 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-20 00:36:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.42 Mbit/s
95th percentile per-packet one-way delay: 61.230 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 46.27 Mbit/s
95th percentile per-packet one-way delay: 61.233 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 35.01 Mbit/s
95th percentile per-packet one-way delay: 61.192 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 17.98 Mbit/s
95th percentile per-packet one-way delay: 61.271 ms
Loss rate: 3.67%

Run 6: Report of QUIC Cubic — Data Link

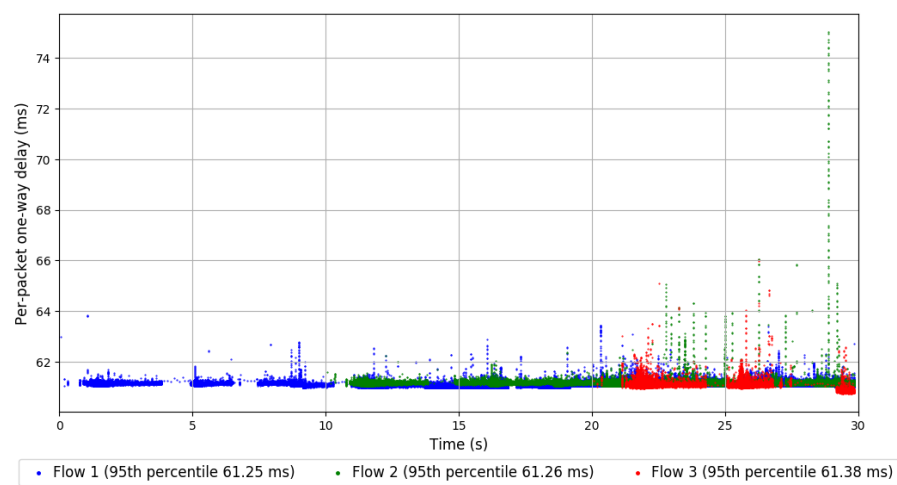
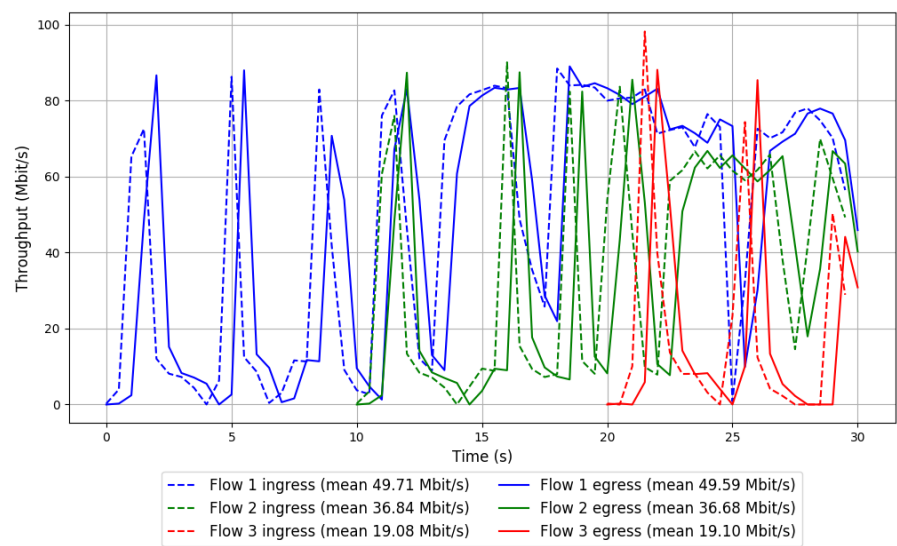


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-19 20:05:24
End at: 2018-07-19 20:05:54
Local clock offset: 0.236 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-07-20 00:36:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.20 Mbit/s
95th percentile per-packet one-way delay: 61.257 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 49.59 Mbit/s
95th percentile per-packet one-way delay: 61.250 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 36.68 Mbit/s
95th percentile per-packet one-way delay: 61.257 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 19.10 Mbit/s
95th percentile per-packet one-way delay: 61.378 ms
Loss rate: 1.12%

Run 7: Report of QUIC Cubic — Data Link

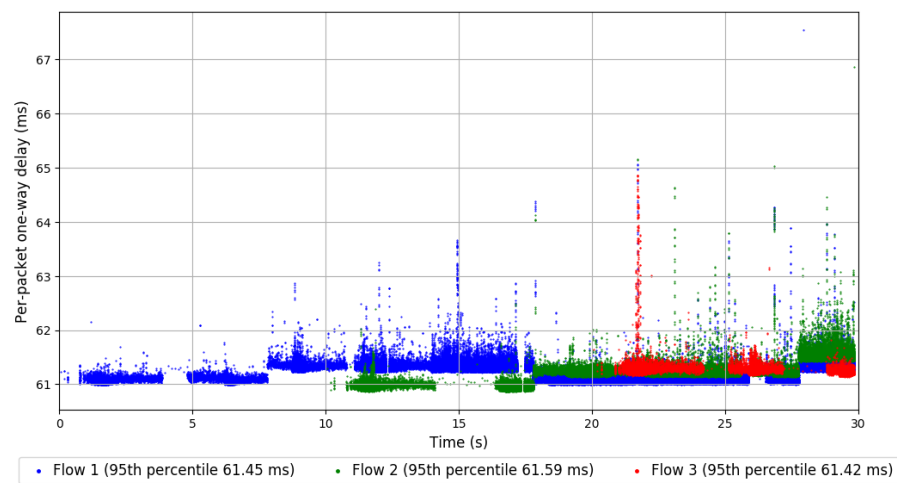
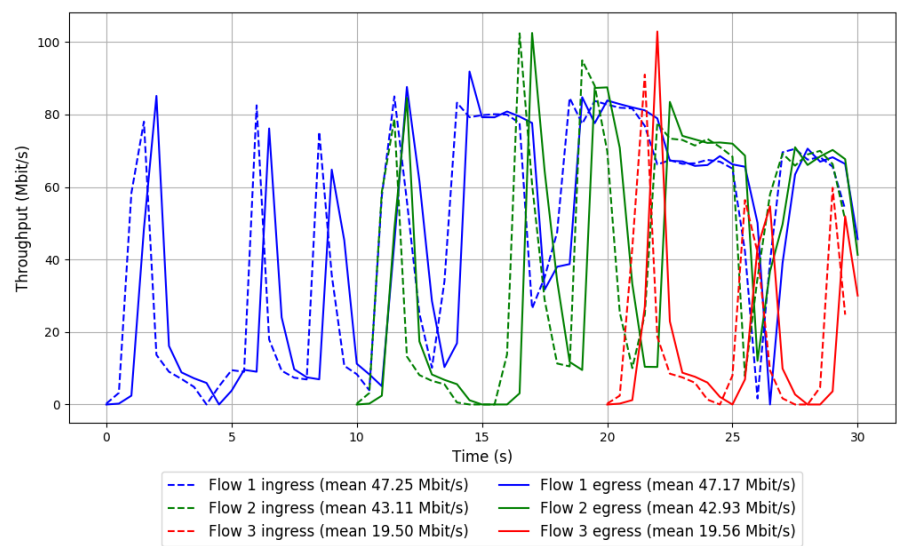


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-19 20:30:56
End at: 2018-07-19 20:31:26
Local clock offset: 0.311 ms
Remote clock offset: -0.228 ms

Below is generated by plot.py at 2018-07-20 00:36:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.09 Mbit/s
95th percentile per-packet one-way delay: 61.523 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 47.17 Mbit/s
95th percentile per-packet one-way delay: 61.449 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 42.93 Mbit/s
95th percentile per-packet one-way delay: 61.586 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 19.56 Mbit/s
95th percentile per-packet one-way delay: 61.424 ms
Loss rate: 0.96%

Run 8: Report of QUIC Cubic — Data Link

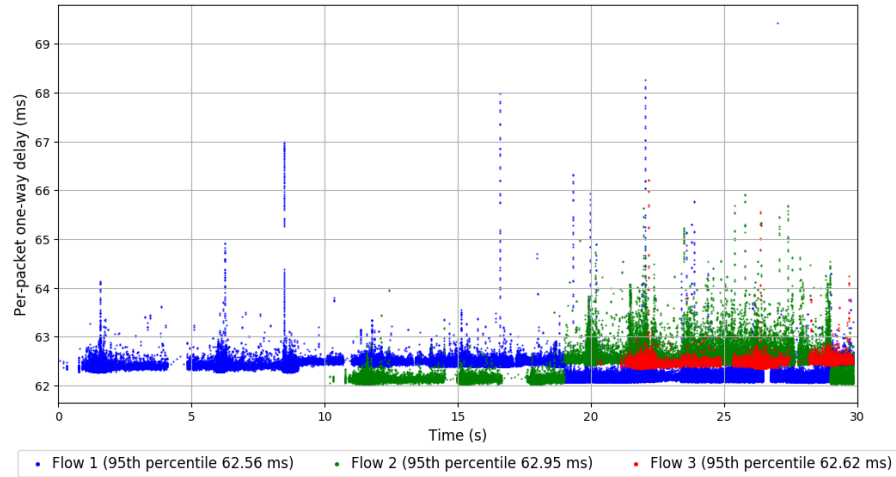
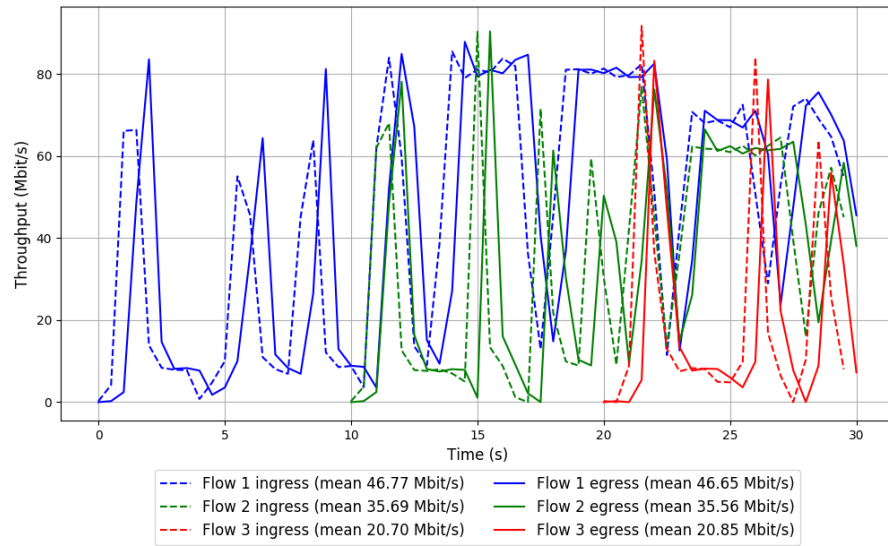


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-19 20:56:14
End at: 2018-07-19 20:56:44
Local clock offset: 0.313 ms
Remote clock offset: -1.419 ms

Below is generated by plot.py at 2018-07-20 00:36:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.10 Mbit/s
95th percentile per-packet one-way delay: 62.710 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 46.65 Mbit/s
95th percentile per-packet one-way delay: 62.561 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 35.56 Mbit/s
95th percentile per-packet one-way delay: 62.950 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 20.85 Mbit/s
95th percentile per-packet one-way delay: 62.620 ms
Loss rate: 0.55%

Run 9: Report of QUIC Cubic — Data Link

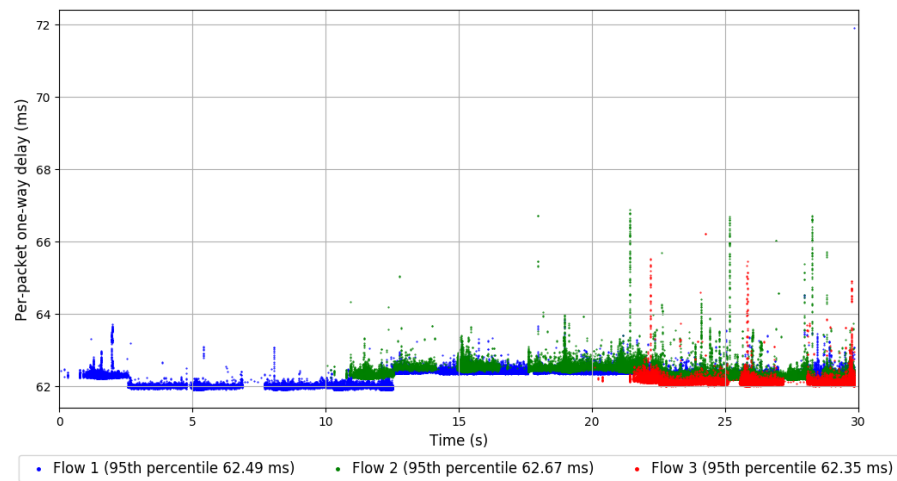
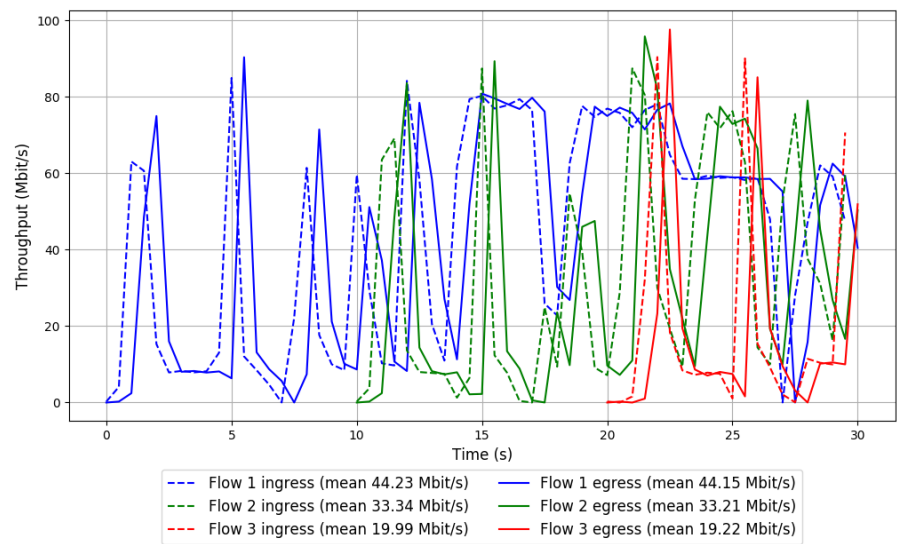


Run 10: Statistics of QUIC Cubic

Start at: 2018-07-19 21:21:41
End at: 2018-07-19 21:22:11
Local clock offset: 0.372 ms
Remote clock offset: -1.217 ms

Below is generated by plot.py at 2018-07-20 00:36:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.49 Mbit/s
95th percentile per-packet one-way delay: 62.564 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 44.15 Mbit/s
95th percentile per-packet one-way delay: 62.486 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 33.21 Mbit/s
95th percentile per-packet one-way delay: 62.669 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 19.22 Mbit/s
95th percentile per-packet one-way delay: 62.352 ms
Loss rate: 5.07%

Run 10: Report of QUIC Cubic — Data Link

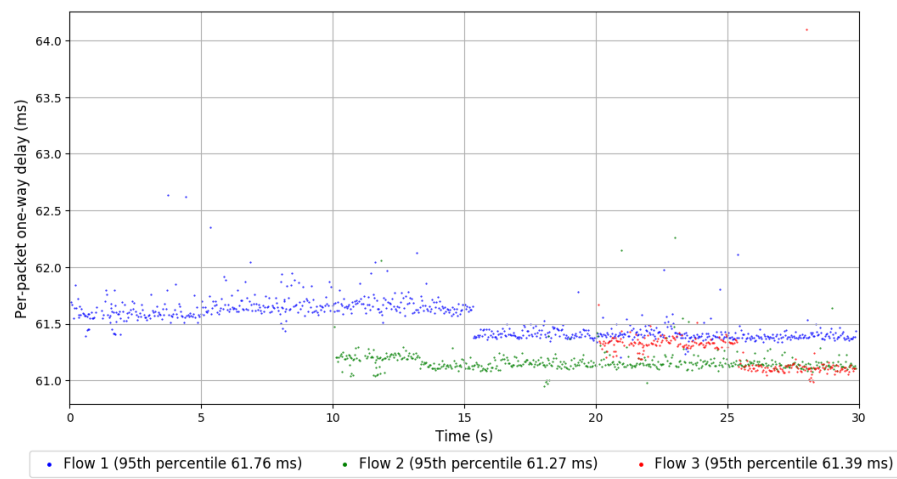
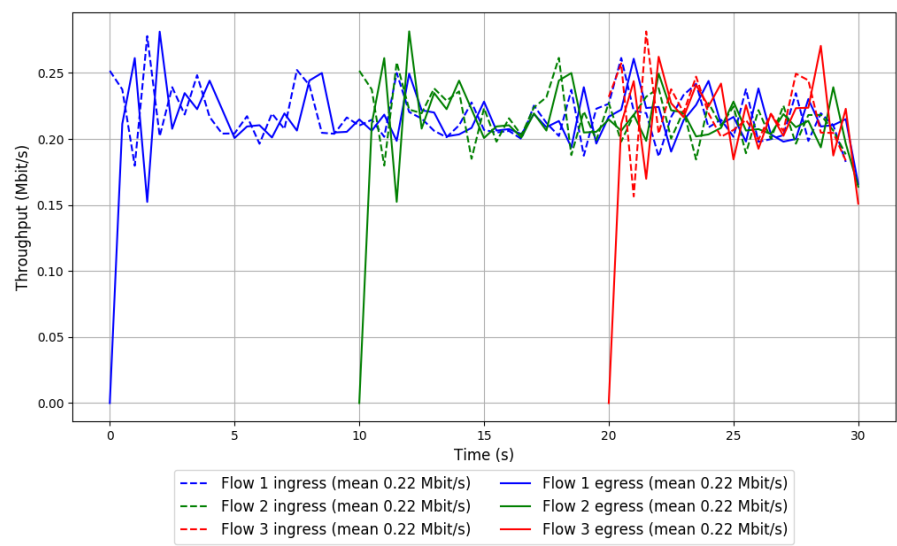


```
Run 1: Statistics of SReAM

Start at: 2018-07-19 17:24:58
End at: 2018-07-19 17:25:28
Local clock offset: -0.034 ms
Remote clock offset: -0.2 ms

# Below is generated by plot.py at 2018-07-20 00:36:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 61.707 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.762 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.265 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.388 ms
Loss rate: 1.10%
```


Run 1: Report of SCReAM — Data Link

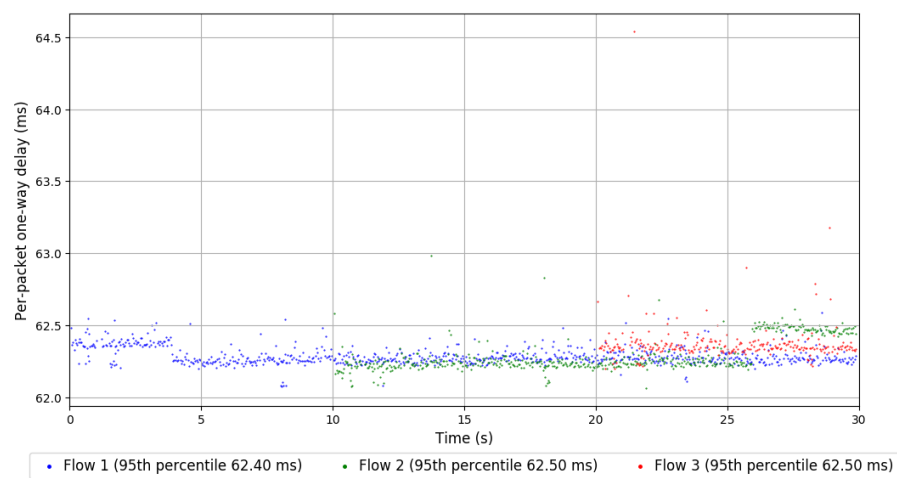
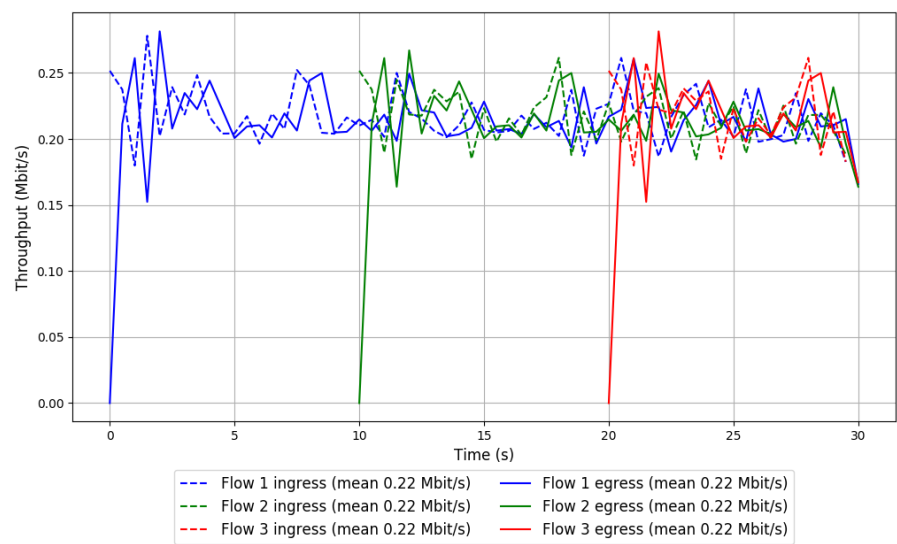


Run 2: Statistics of SReAM

Start at: 2018-07-19 17:50:17
End at: 2018-07-19 17:50:47
Local clock offset: -0.024 ms
Remote clock offset: -1.359 ms

Below is generated by plot.py at 2018-07-20 00:36:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 62.481 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.403 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.498 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.500 ms
Loss rate: 1.08%

Run 2: Report of SReAM — Data Link

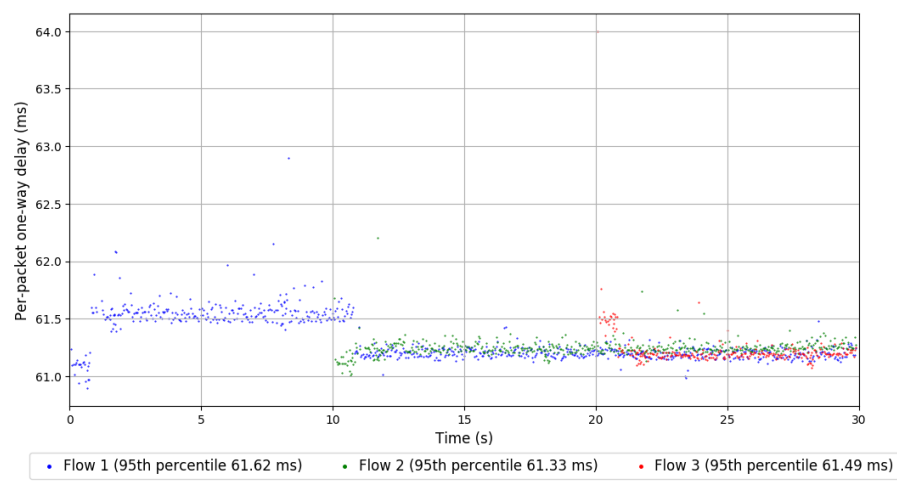
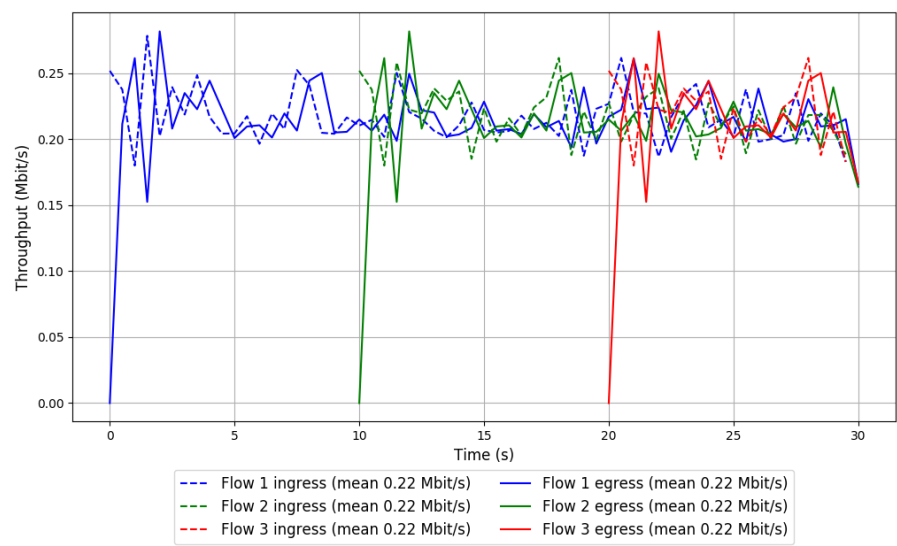


Run 3: Statistics of SReAM

Start at: 2018-07-19 18:15:03
End at: 2018-07-19 18:15:33
Local clock offset: 0.019 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-07-20 00:36:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 61.581 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.618 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.332 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.494 ms
Loss rate: 1.08%

Run 3: Report of SCReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-07-19 18:40:16

End at: 2018-07-19 18:40:46

Local clock offset: -0.03 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-07-20 00:36:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 61.216 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.923 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.207 ms

Loss rate: 0.61%

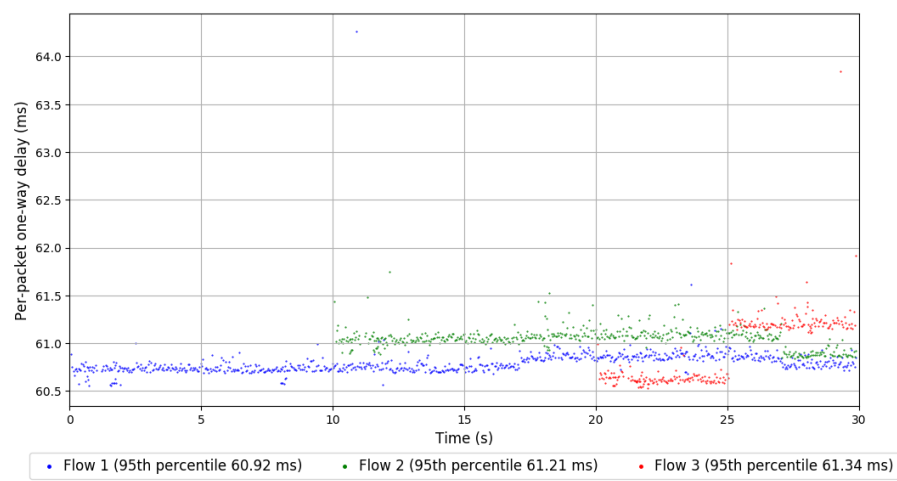
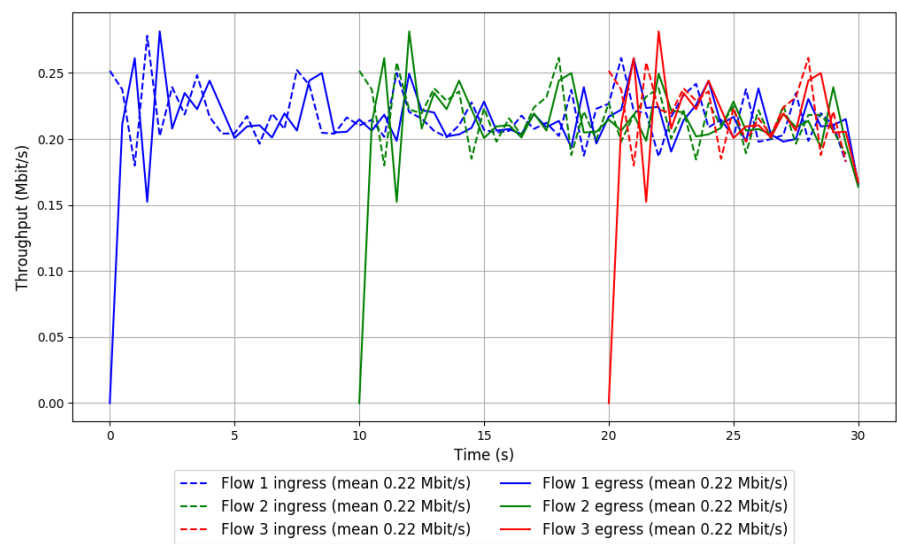
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.338 ms

Loss rate: 1.08%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-07-19 19:05:41

End at: 2018-07-19 19:06:11

Local clock offset: 0.058 ms

Remote clock offset: 0.106 ms

Below is generated by plot.py at 2018-07-20 00:36:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 61.152 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.174 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.044 ms

Loss rate: 0.61%

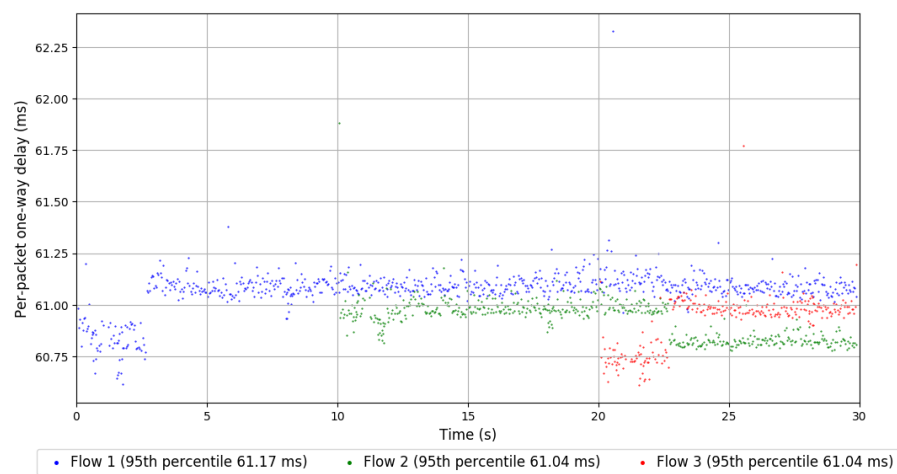
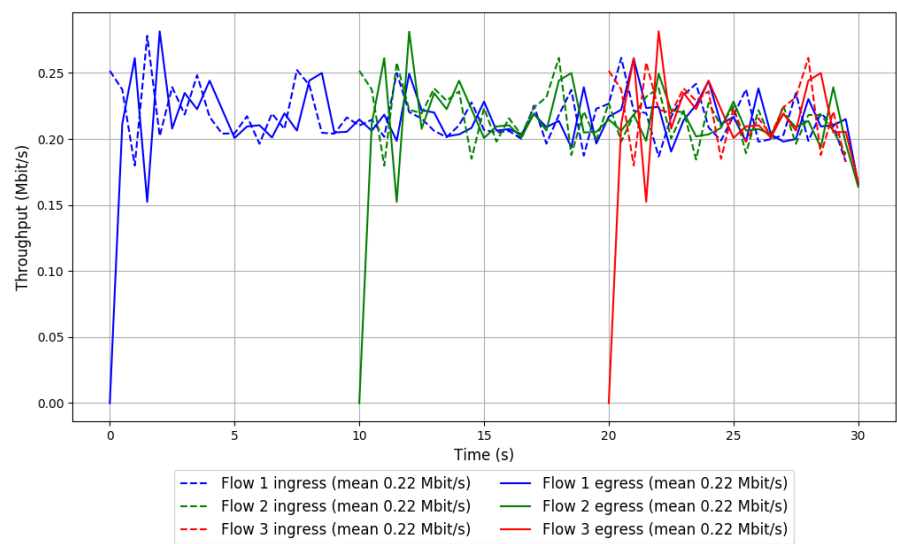
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.044 ms

Loss rate: 1.08%

Run 5: Report of SReAM — Data Link

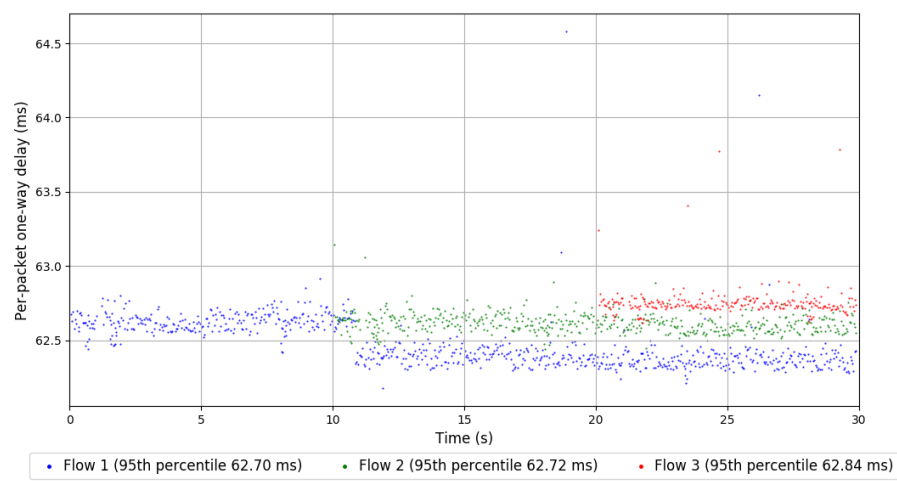
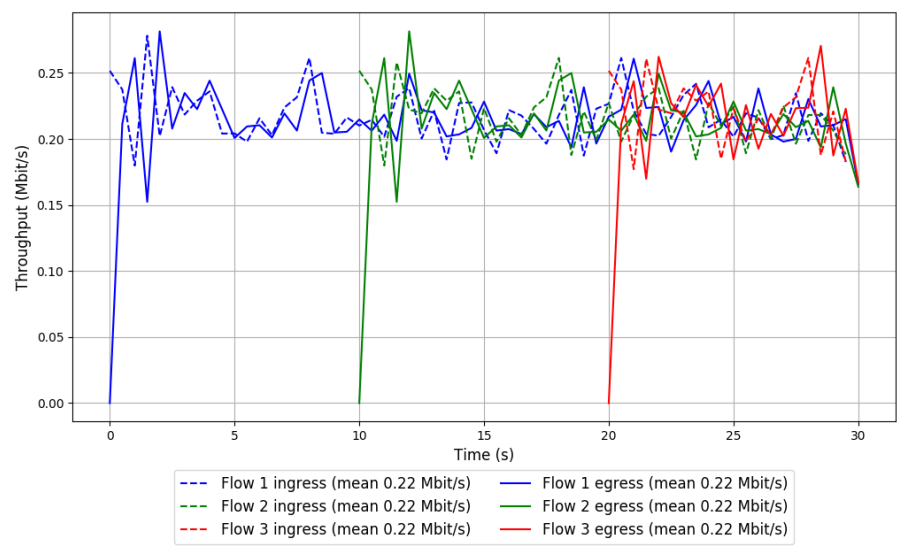


Run 6: Statistics of SReAM

Start at: 2018-07-19 19:31:13
End at: 2018-07-19 19:31:43
Local clock offset: 0.163 ms
Remote clock offset: -1.419 ms

Below is generated by plot.py at 2018-07-20 00:36:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 62.771 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.700 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.716 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.835 ms
Loss rate: 1.08%

Run 6: Report of SReAM — Data Link

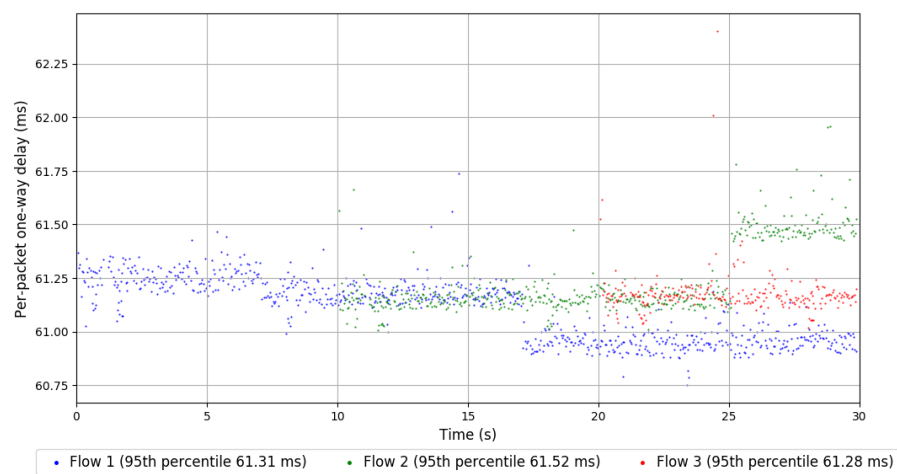
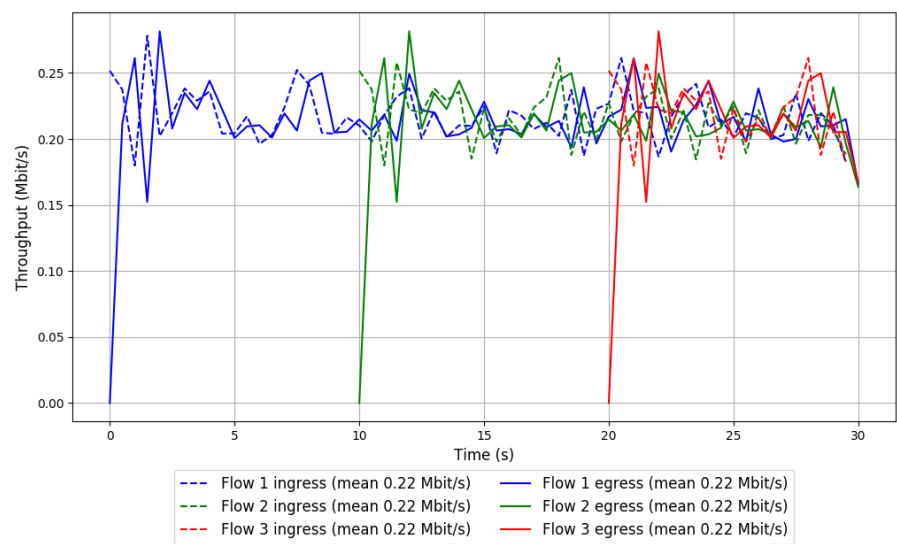


Run 7: Statistics of SReAM

Start at: 2018-07-19 19:56:46
End at: 2018-07-19 19:57:16
Local clock offset: 0.186 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-07-20 00:36:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 61.470 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.309 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.524 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.285 ms
Loss rate: 1.08%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-07-19 20:22:12

End at: 2018-07-19 20:22:42

Local clock offset: 0.217 ms

Remote clock offset: 0.281 ms

Below is generated by plot.py at 2018-07-20 00:36:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 60.851 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.856 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.863 ms

Loss rate: 0.61%

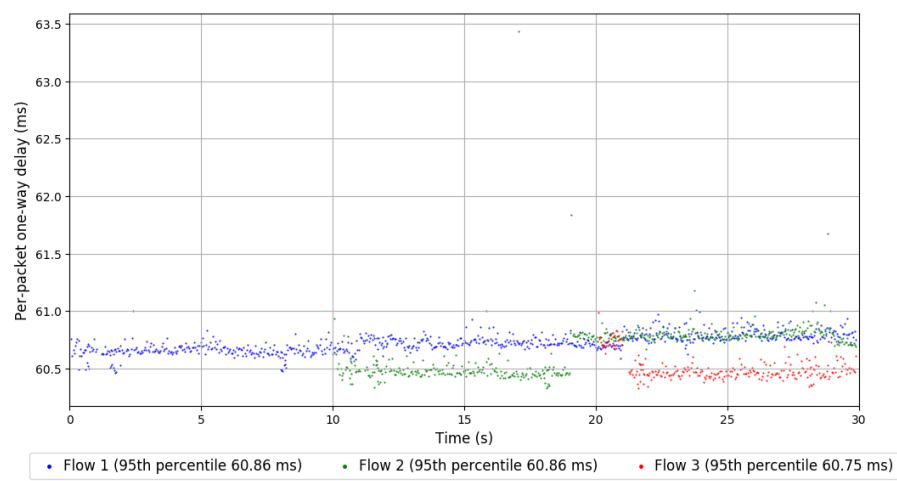
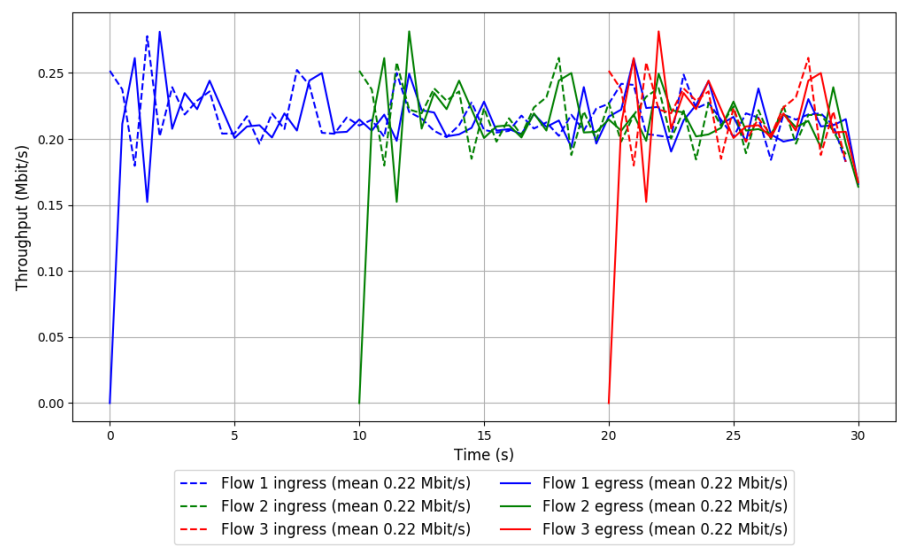
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.753 ms

Loss rate: 1.08%

Run 8: Report of SReAM — Data Link

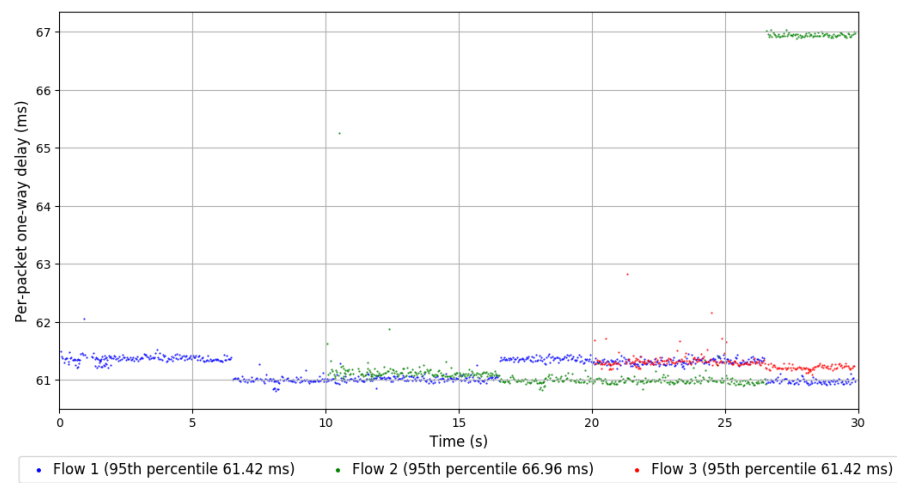
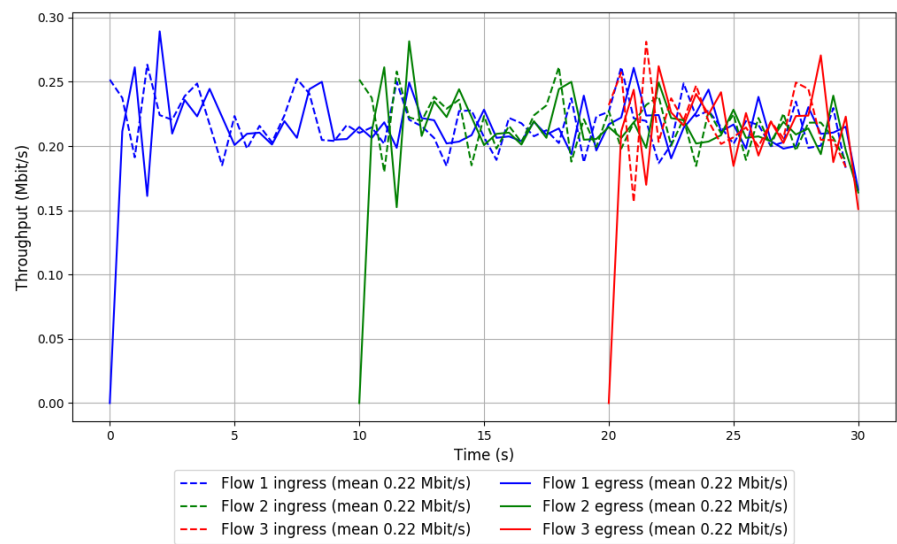


Run 9: Statistics of SReAM

Start at: 2018-07-19 20:47:37
End at: 2018-07-19 20:48:07
Local clock offset: 0.296 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-07-20 00:36:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 66.910 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.416 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.961 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.418 ms
Loss rate: 1.10%

Run 9: Report of SReAM — Data Link

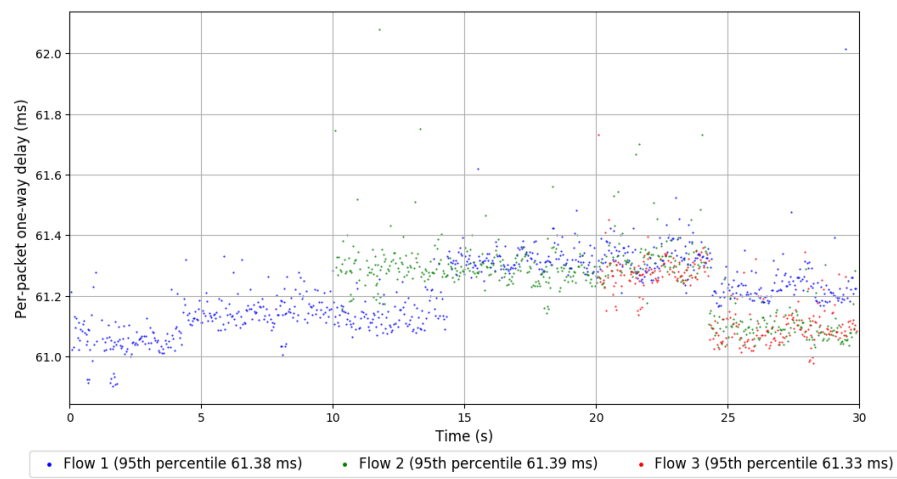
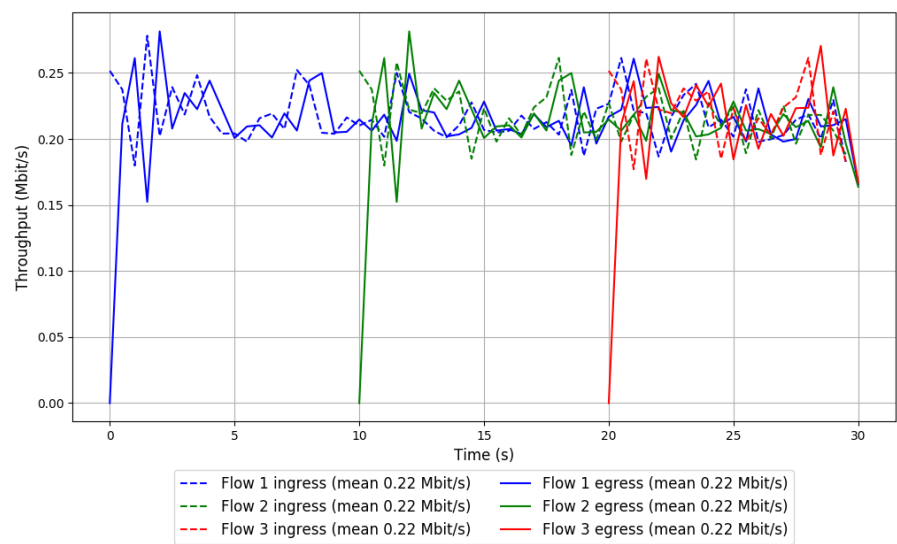


Run 10: Statistics of SReAM

Start at: 2018-07-19 21:12:59
End at: 2018-07-19 21:13:29
Local clock offset: 0.372 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-07-20 00:36:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 61.373 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.378 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.388 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.333 ms
Loss rate: 1.08%

Run 10: Report of SReAM — Data Link

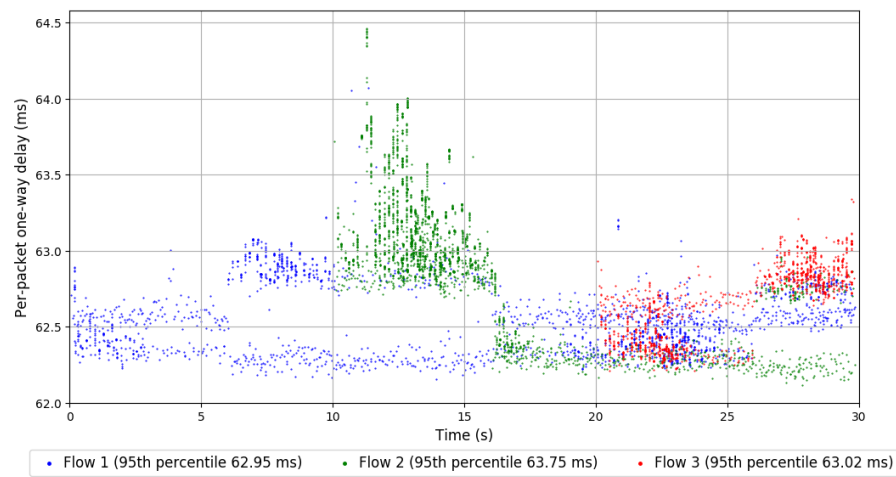
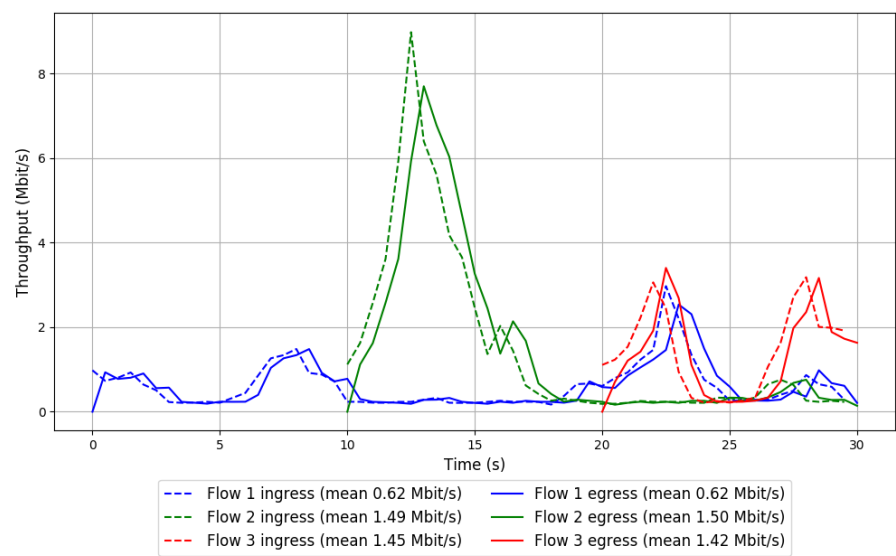


Run 1: Statistics of Sprout

Start at: 2018-07-19 17:21:07
End at: 2018-07-19 17:21:37
Local clock offset: -0.02 ms
Remote clock offset: -1.398 ms

Below is generated by plot.py at 2018-07-20 00:36:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 63.487 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 62.952 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 63.748 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 63.022 ms
Loss rate: 3.63%

Run 1: Report of Sprout — Data Link

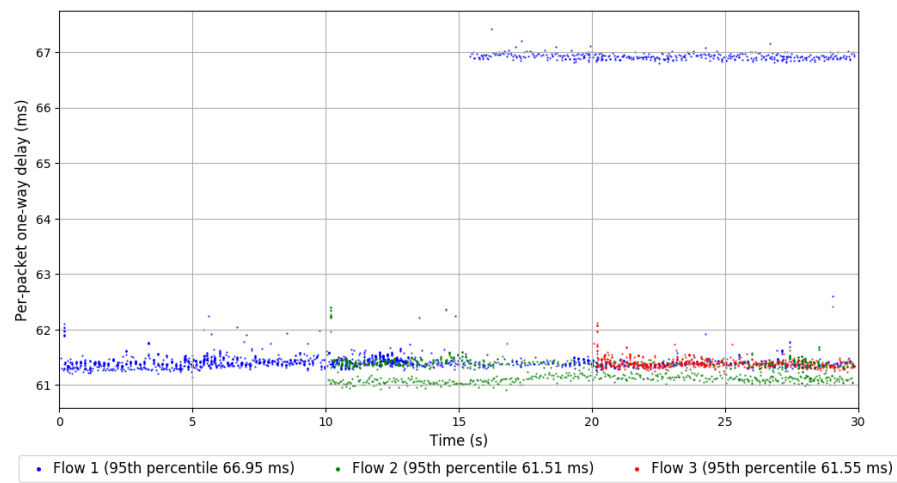
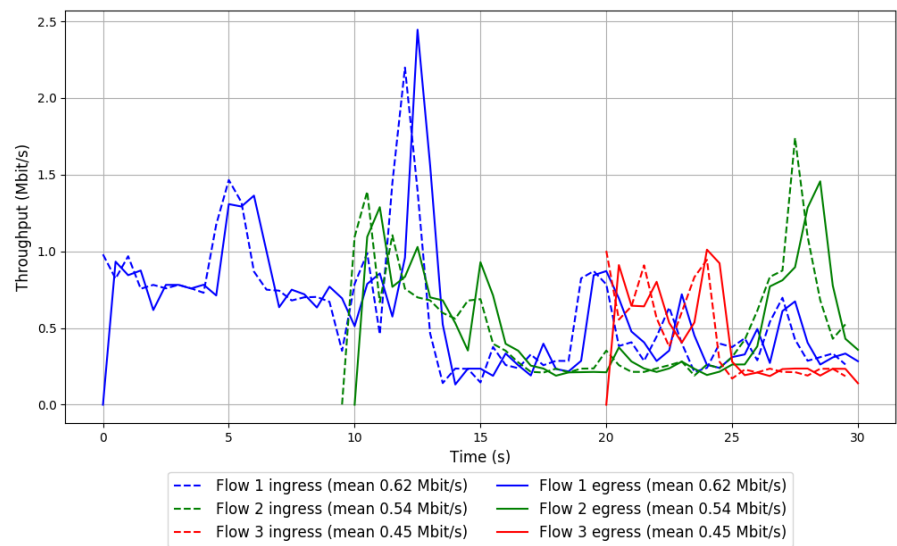


Run 2: Statistics of Sprout

Start at: 2018-07-19 17:46:36
End at: 2018-07-19 17:47:06
Local clock offset: -0.034 ms
Remote clock offset: -0.172 ms

Below is generated by plot.py at 2018-07-20 00:36:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.13 Mbit/s
95th percentile per-packet one-way delay: 66.917 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 66.949 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 61.510 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 61.546 ms
Loss rate: 0.54%

Run 2: Report of Sprout — Data Link

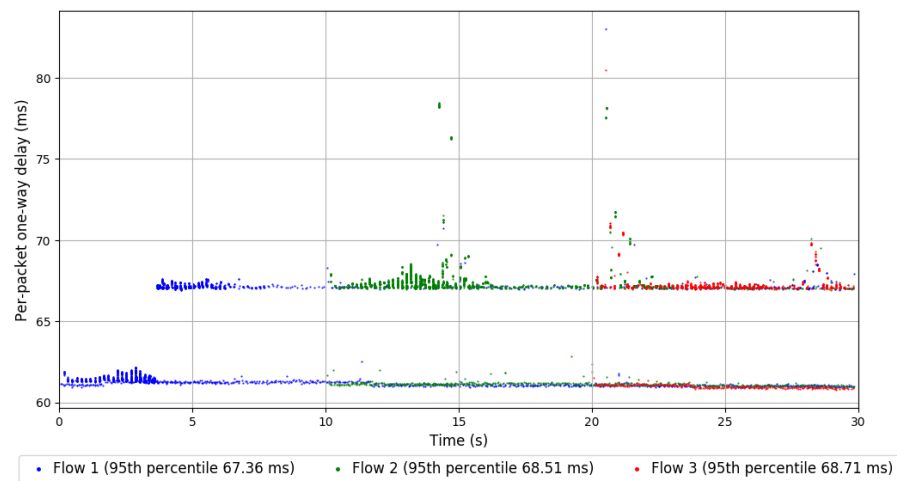
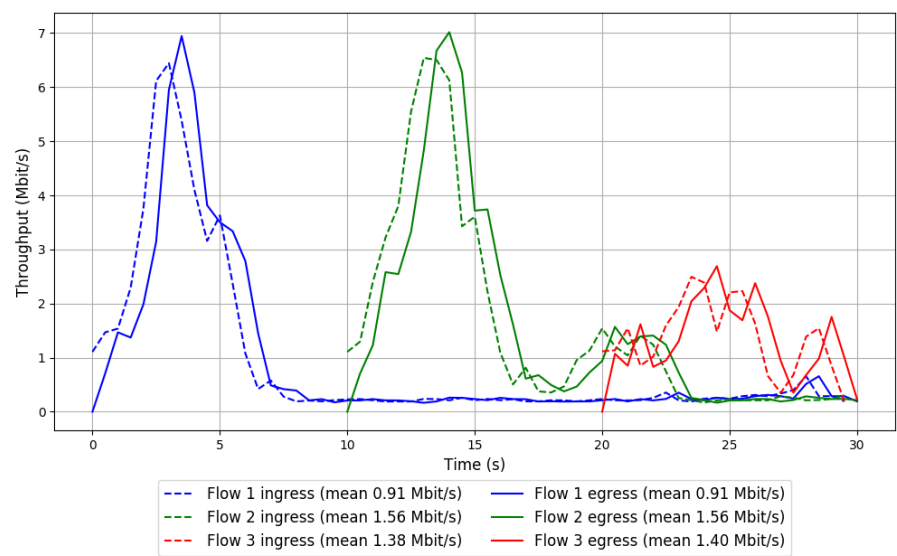


Run 3: Statistics of Sprout

Start at: 2018-07-19 18:11:20
End at: 2018-07-19 18:11:50
Local clock offset: -0.036 ms
Remote clock offset: -0.115 ms

```
# Below is generated by plot.py at 2018-07-20 00:36:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 67.939 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.91 Mbit/s
95th percentile per-packet one-way delay: 67.355 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.56 Mbit/s
95th percentile per-packet one-way delay: 68.512 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 1.40 Mbit/s
95th percentile per-packet one-way delay: 68.712 ms
Loss rate: 0.02%
```


Run 3: Report of Sprout — Data Link

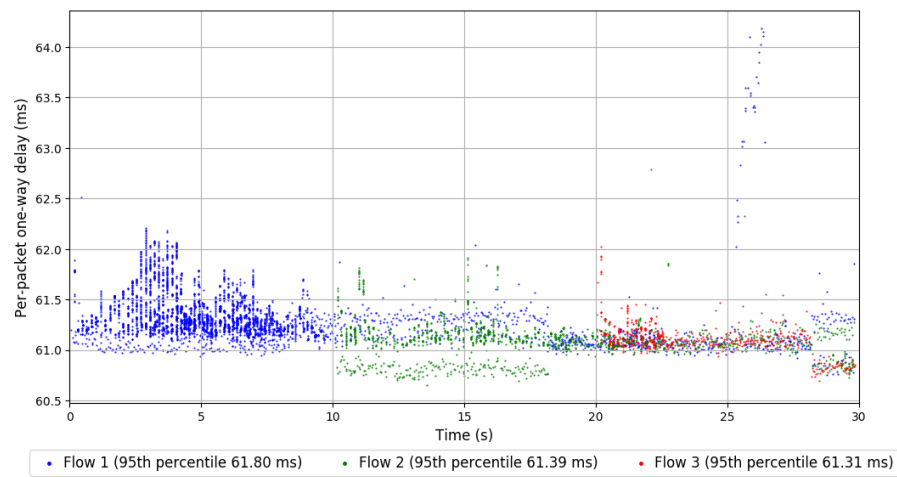
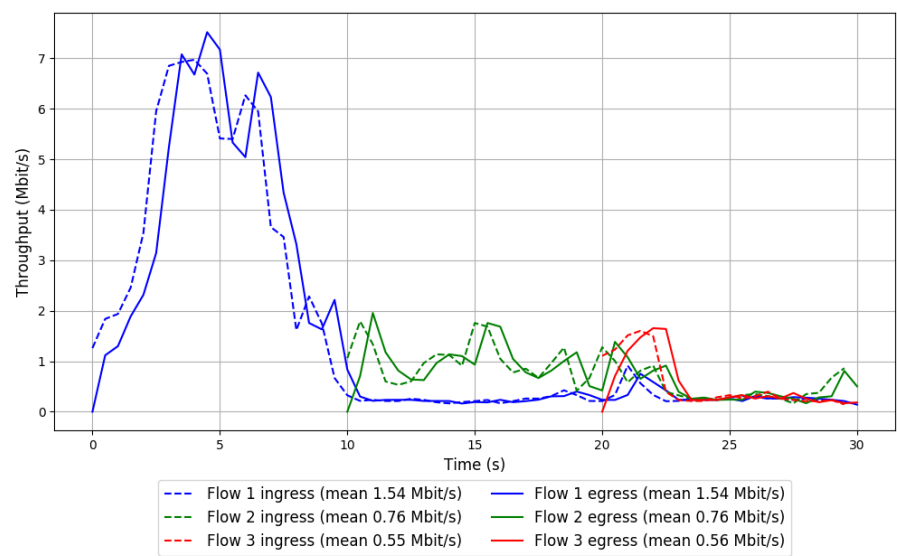


Run 4: Statistics of Sprout

Start at: 2018-07-19 18:36:25
End at: 2018-07-19 18:36:55
Local clock offset: 0.02 ms
Remote clock offset: -0.004 ms

```
# Below is generated by plot.py at 2018-07-20 00:36:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 61.729 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 1.54 Mbit/s
95th percentile per-packet one-way delay: 61.798 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.76 Mbit/s
95th percentile per-packet one-way delay: 61.388 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 61.315 ms
Loss rate: 0.25%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-19 19:01:51

End at: 2018-07-19 19:02:21

Local clock offset: 0.057 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-20 00:36:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.68 Mbit/s

95th percentile per-packet one-way delay: 61.418 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 61.413 ms

Loss rate: 0.85%

-- Flow 2:

Average throughput: 0.81 Mbit/s

95th percentile per-packet one-way delay: 61.395 ms

Loss rate: 0.22%

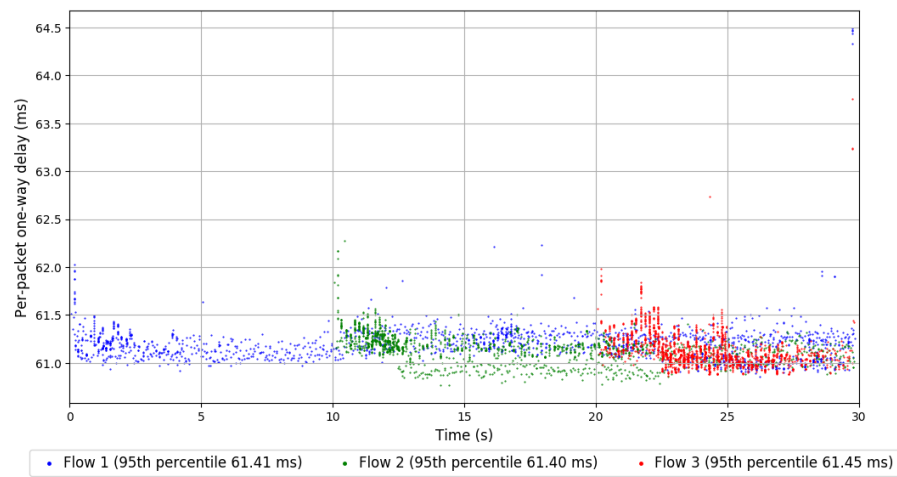
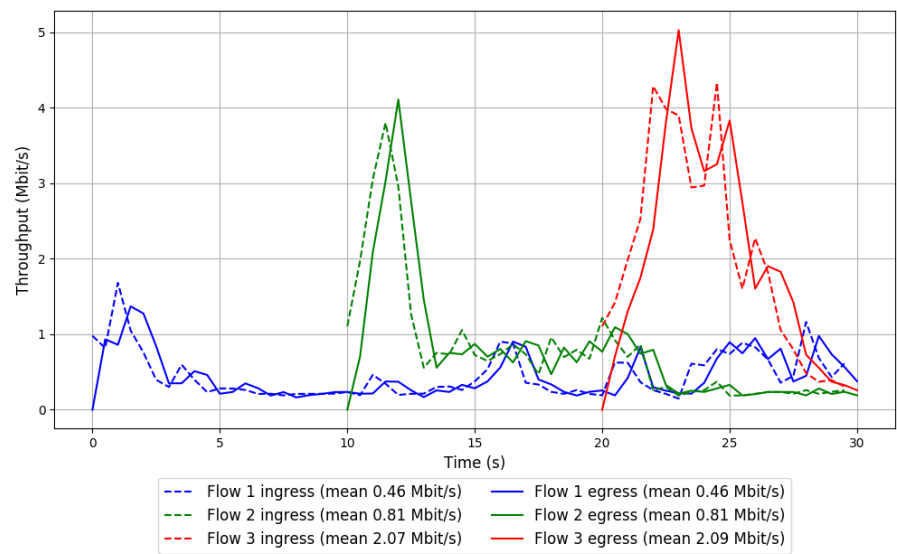
-- Flow 3:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 61.453 ms

Loss rate: 0.29%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

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

End at: 2018-07-19 19:27:49

Local clock offset: 0.124 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-07-20 00:36:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.11 Mbit/s

95th percentile per-packet one-way delay: 61.280 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 61.179 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 0.82 Mbit/s

95th percentile per-packet one-way delay: 61.355 ms

Loss rate: 0.78%

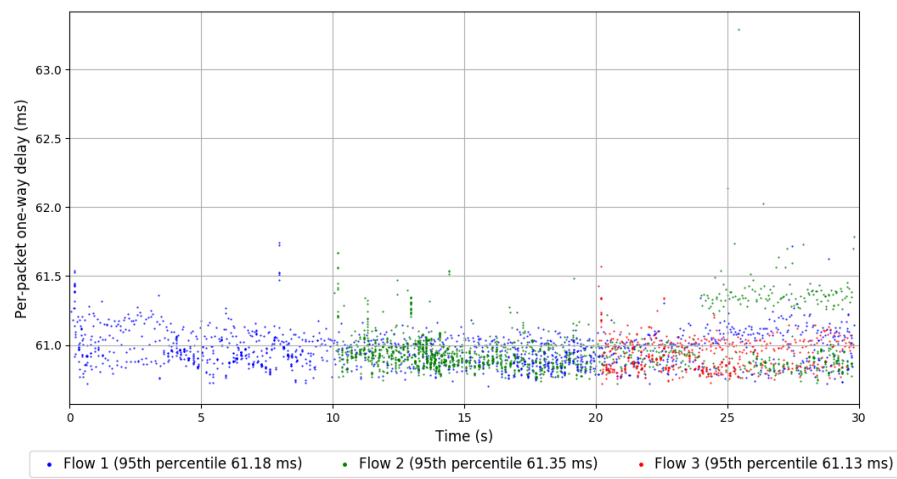
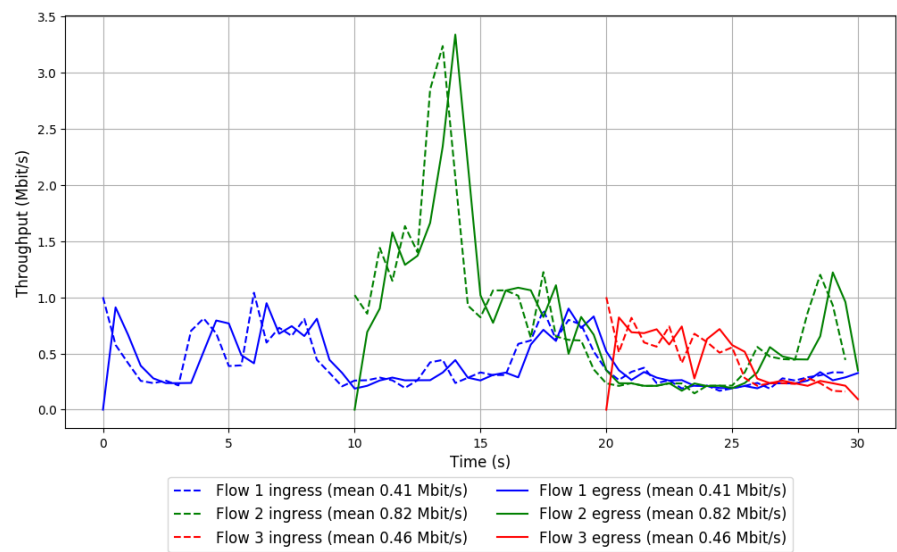
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 61.127 ms

Loss rate: 0.78%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-07-19 19:52:53

End at: 2018-07-19 19:53:23

Local clock offset: 0.261 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-20 00:36:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 61.462 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 0.62 Mbit/s

95th percentile per-packet one-way delay: 61.480 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 0.77 Mbit/s

95th percentile per-packet one-way delay: 61.458 ms

Loss rate: 0.30%

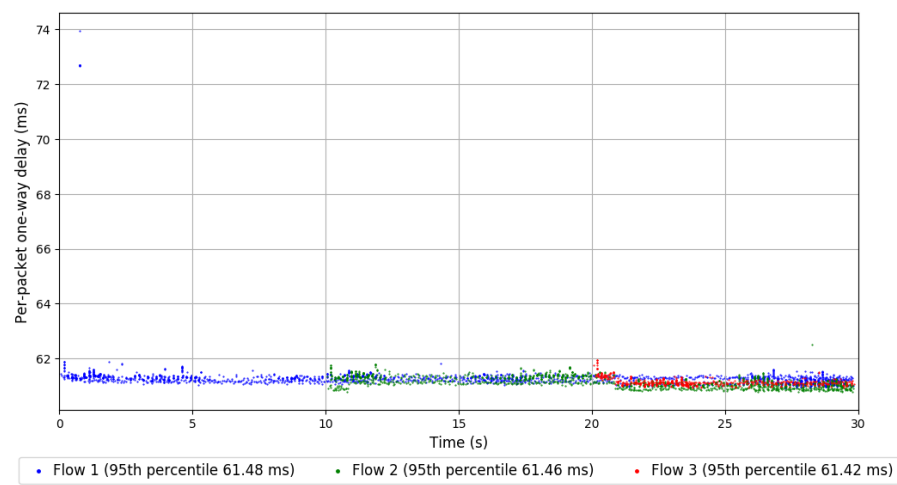
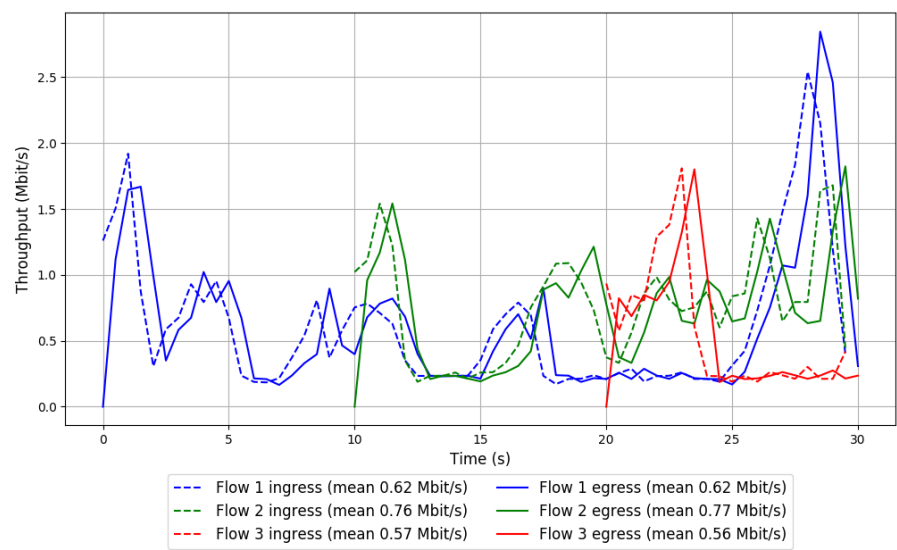
-- Flow 3:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 61.420 ms

Loss rate: 1.65%

Run 7: Report of Sprout — Data Link

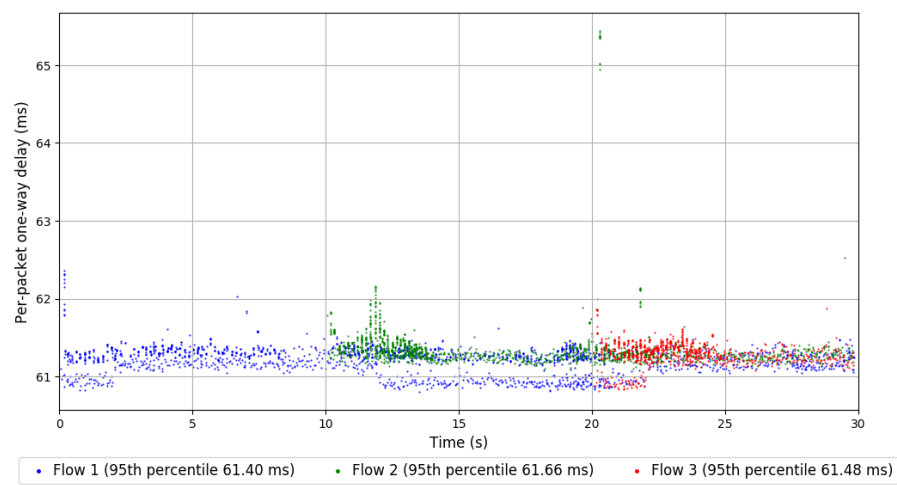
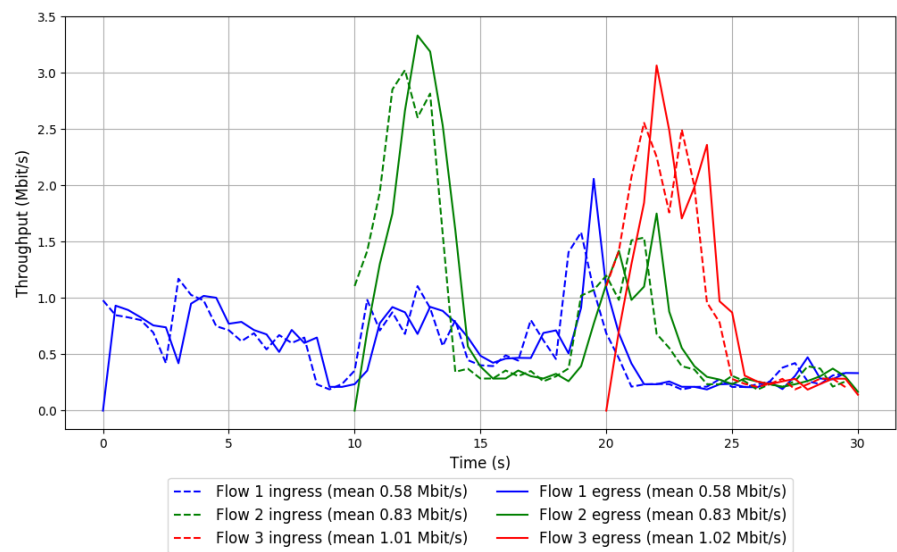


Run 8: Statistics of Sprout

Start at: 2018-07-19 20:18:21
End at: 2018-07-19 20:18:51
Local clock offset: 0.243 ms
Remote clock offset: -0.133 ms

```
# Below is generated by plot.py at 2018-07-20 00:36:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 61.505 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 61.400 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 0.83 Mbit/s
95th percentile per-packet one-way delay: 61.659 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 61.475 ms
Loss rate: 0.35%
```

Run 8: Report of Sprout — Data Link

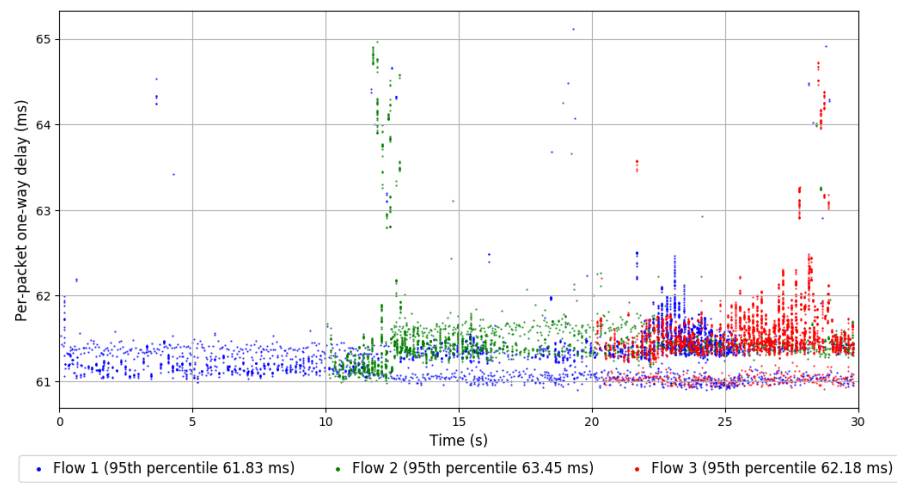
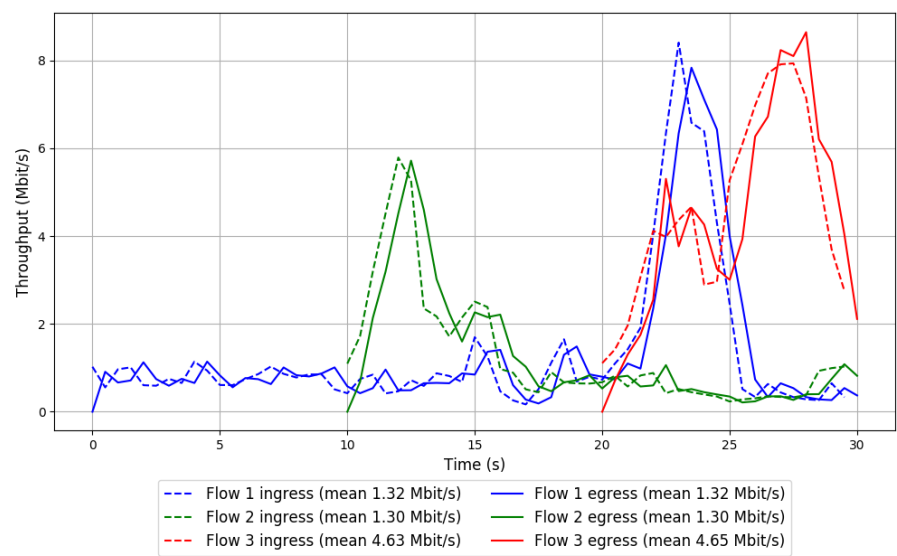


Run 9: Statistics of Sprout

Start at: 2018-07-19 20:43:51
End at: 2018-07-19 20:44:21
Local clock offset: 0.31 ms
Remote clock offset: -0.24 ms

Below is generated by plot.py at 2018-07-20 00:36:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.70 Mbit/s
95th percentile per-packet one-way delay: 62.105 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 61.831 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 63.448 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 4.65 Mbit/s
95th percentile per-packet one-way delay: 62.184 ms
Loss rate: 1.00%

Run 9: Report of Sprout — Data Link

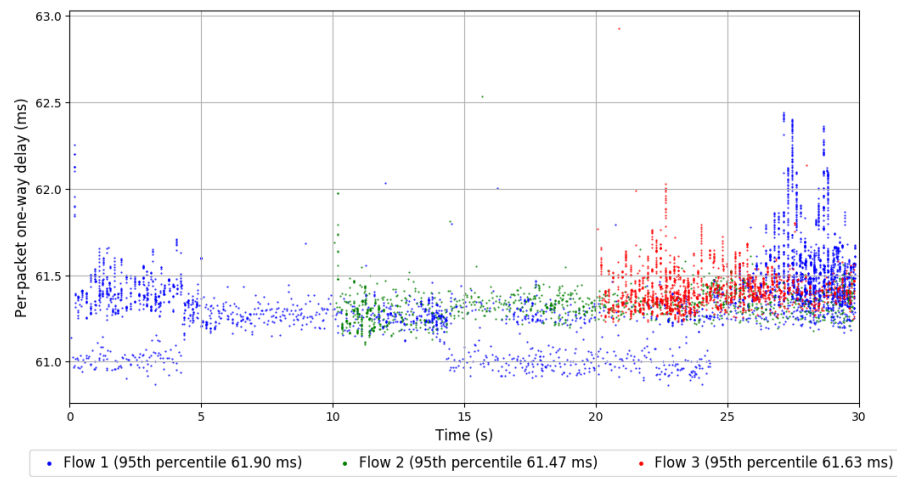
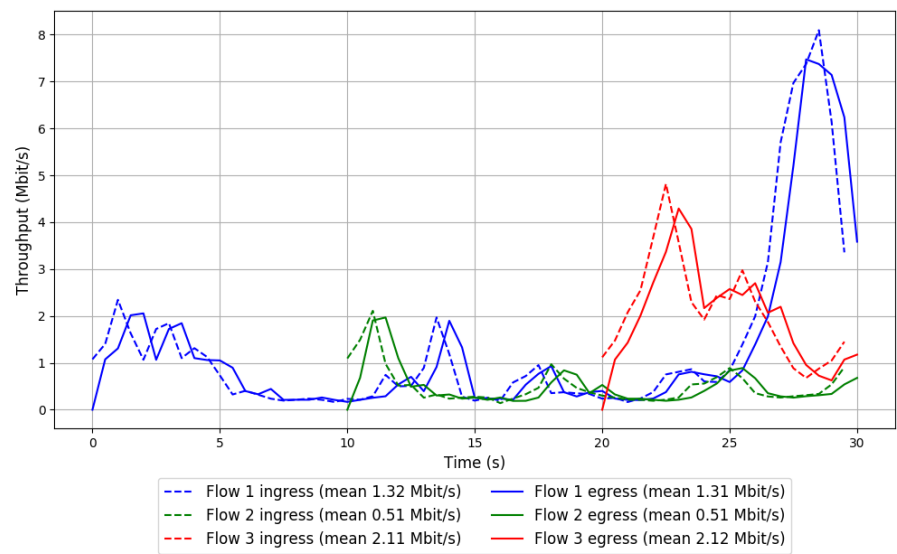


Run 10: Statistics of Sprout

Start at: 2018-07-19 21:09:09
End at: 2018-07-19 21:09:39
Local clock offset: 0.333 ms
Remote clock offset: -0.203 ms

Below is generated by plot.py at 2018-07-20 00:36:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 61.764 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 61.895 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 61.469 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 61.631 ms
Loss rate: 1.22%

Run 10: Report of Sprout — Data Link

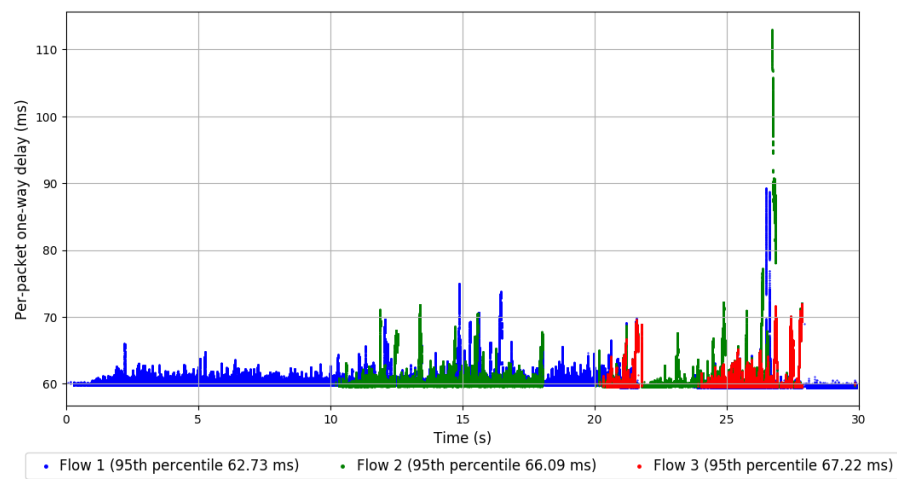
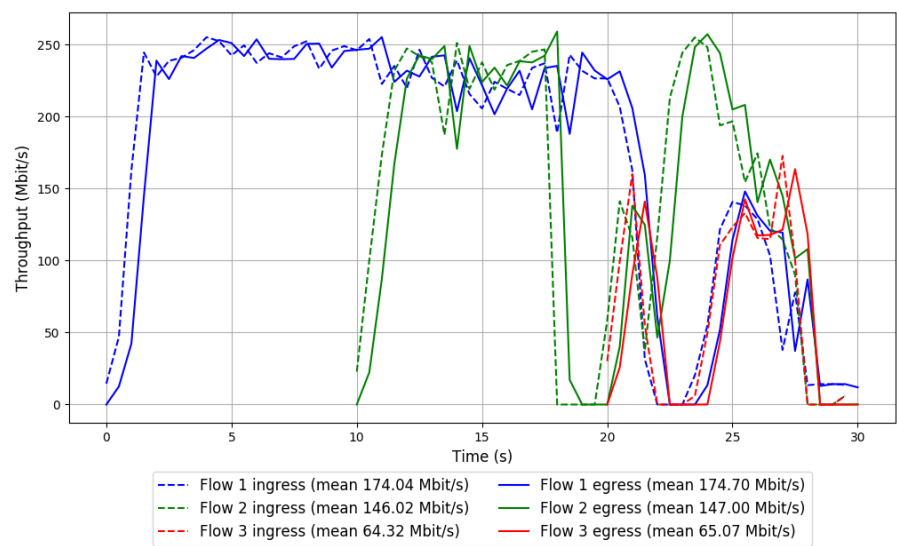


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-19 17:34:52
End at: 2018-07-19 17:35:23
Local clock offset: -0.0 ms
Remote clock offset: 1.282 ms

# Below is generated by plot.py at 2018-07-20 00:39:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 293.37 Mbit/s
95th percentile per-packet one-way delay: 64.253 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 174.70 Mbit/s
95th percentile per-packet one-way delay: 62.728 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 147.00 Mbit/s
95th percentile per-packet one-way delay: 66.095 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 65.07 Mbit/s
95th percentile per-packet one-way delay: 67.222 ms
Loss rate: 0.47%
```


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

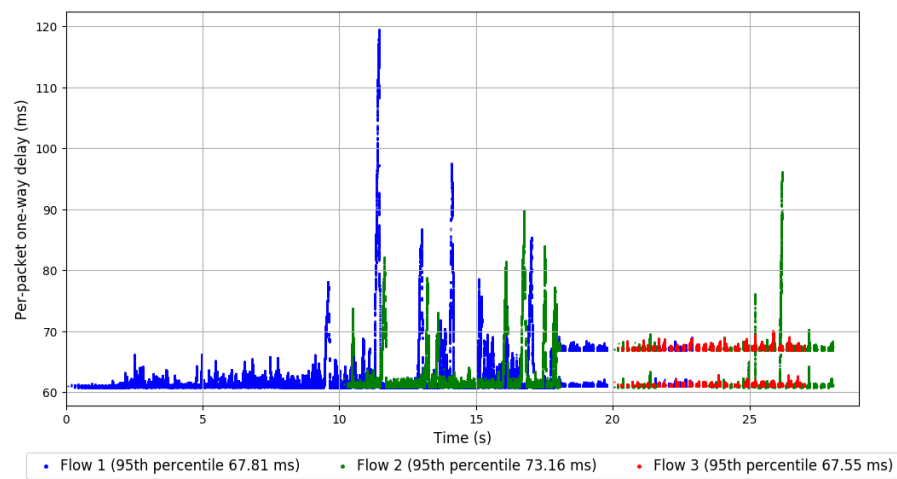
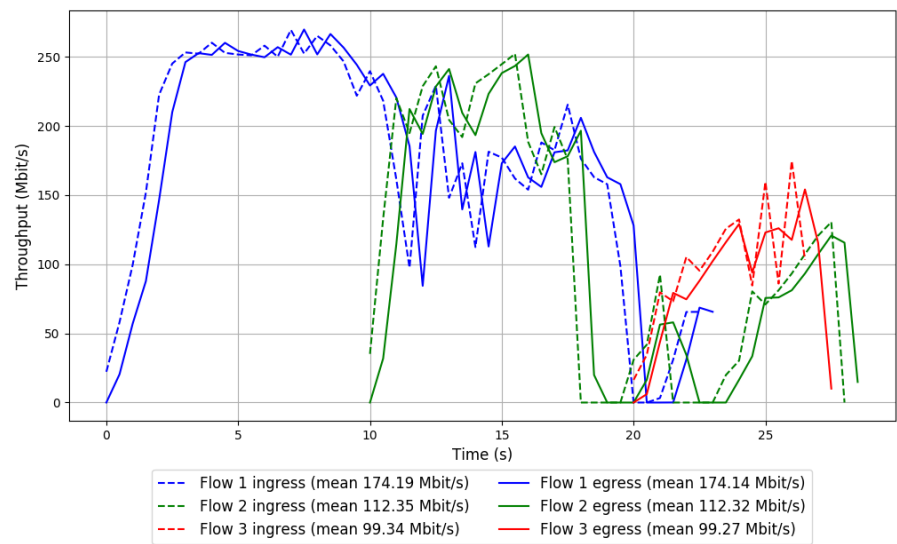


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-19 17:59:56
End at: 2018-07-19 18:00:26
Local clock offset: -0.057 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-07-20 00:39:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 238.77 Mbit/s
95th percentile per-packet one-way delay: 68.897 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 174.14 Mbit/s
95th percentile per-packet one-way delay: 67.813 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 112.32 Mbit/s
95th percentile per-packet one-way delay: 73.160 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 99.27 Mbit/s
95th percentile per-packet one-way delay: 67.548 ms
Loss rate: 0.00%

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

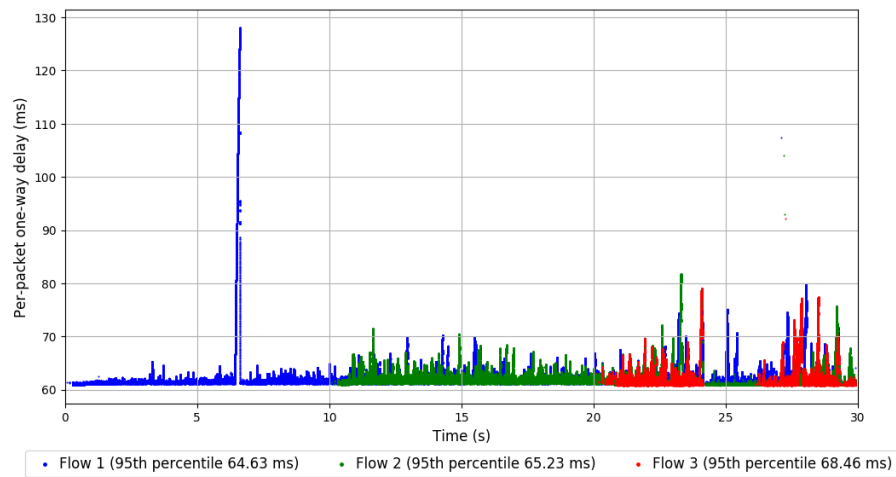
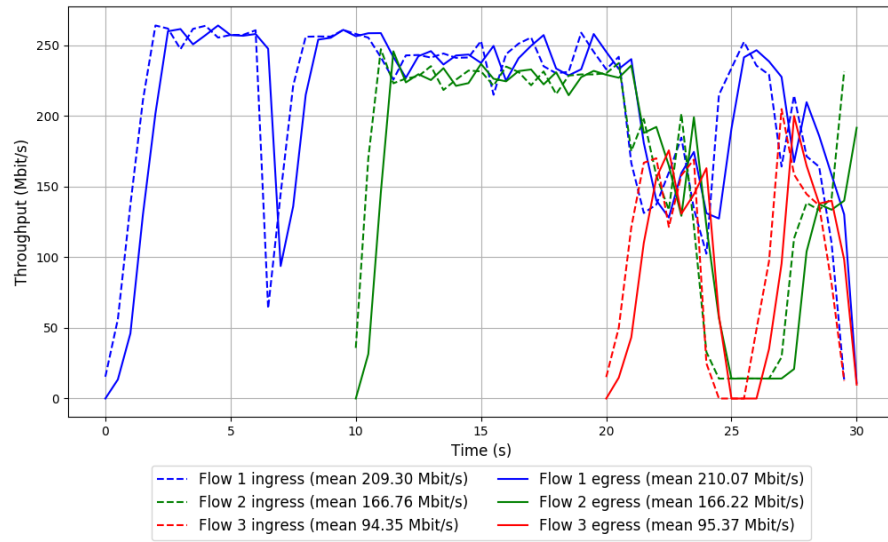


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-19 18:24:43
End at: 2018-07-19 18:25:13
Local clock offset: -0.024 ms
Remote clock offset: -0.194 ms

Below is generated by plot.py at 2018-07-20 00:41:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 351.98 Mbit/s
95th percentile per-packet one-way delay: 65.195 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 210.07 Mbit/s
95th percentile per-packet one-way delay: 64.631 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 166.22 Mbit/s
95th percentile per-packet one-way delay: 65.231 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 95.37 Mbit/s
95th percentile per-packet one-way delay: 68.456 ms
Loss rate: 0.18%

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

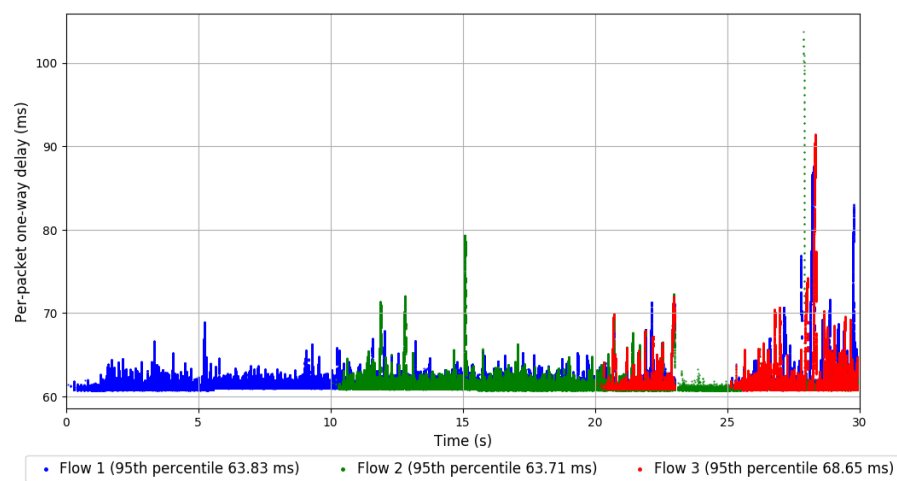
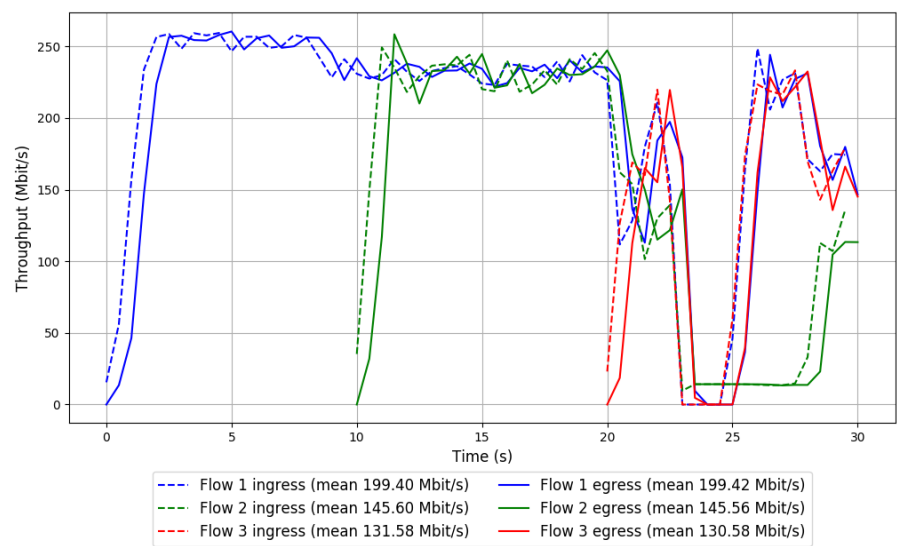


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-19 18:50:08
End at: 2018-07-19 18:50:38
Local clock offset: -0.009 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2018-07-20 00:41:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 339.22 Mbit/s
95th percentile per-packet one-way delay: 64.361 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 199.42 Mbit/s
95th percentile per-packet one-way delay: 63.829 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 145.56 Mbit/s
95th percentile per-packet one-way delay: 63.706 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 130.58 Mbit/s
95th percentile per-packet one-way delay: 68.651 ms
Loss rate: 1.99%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-19 19:15:37

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

Local clock offset: 0.115 ms

Remote clock offset: 1.06 ms

Below is generated by plot.py at 2018-07-20 00:42:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 336.19 Mbit/s

95th percentile per-packet one-way delay: 66.064 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 193.61 Mbit/s

95th percentile per-packet one-way delay: 63.931 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 159.42 Mbit/s

95th percentile per-packet one-way delay: 66.083 ms

Loss rate: 0.54%

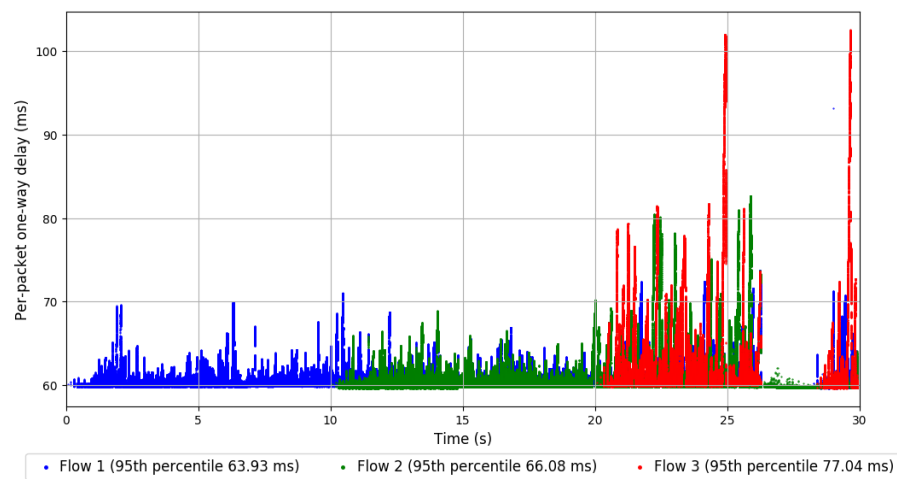
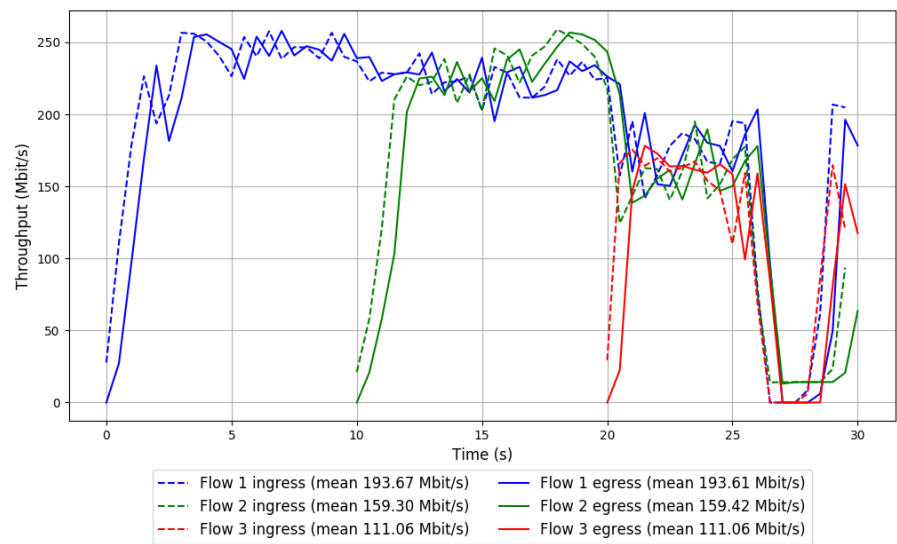
-- Flow 3:

Average throughput: 111.06 Mbit/s

95th percentile per-packet one-way delay: 77.036 ms

Loss rate: 1.22%

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

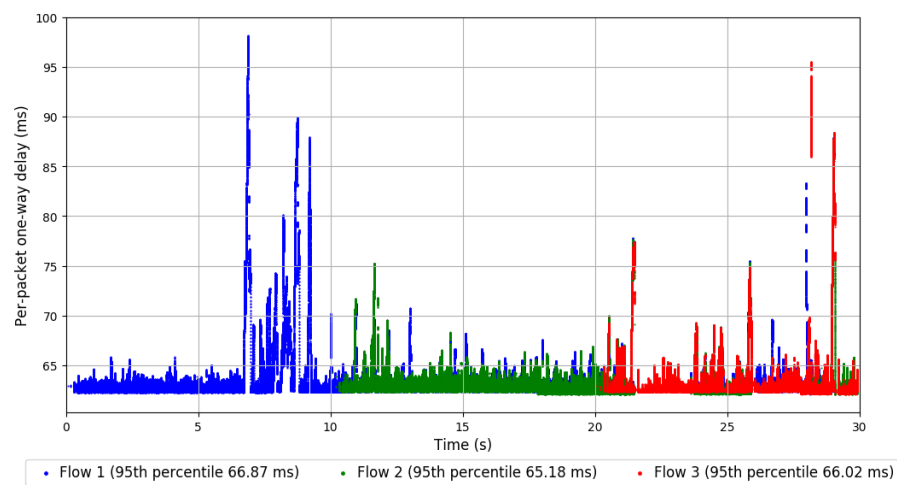
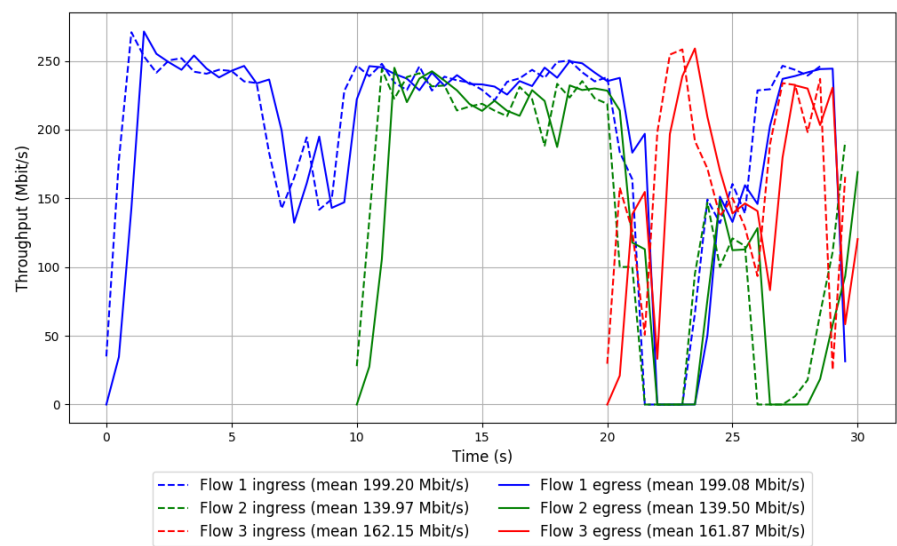


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-19 19:41:06
End at: 2018-07-19 19:41:36
Local clock offset: 0.197 ms
Remote clock offset: -1.421 ms

Below is generated by plot.py at 2018-07-20 00:44:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 339.41 Mbit/s
95th percentile per-packet one-way delay: 66.163 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 199.08 Mbit/s
95th percentile per-packet one-way delay: 66.868 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 139.50 Mbit/s
95th percentile per-packet one-way delay: 65.182 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 161.87 Mbit/s
95th percentile per-packet one-way delay: 66.024 ms
Loss rate: 1.40%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-19 20:06:38

End at: 2018-07-19 20:07:08

Local clock offset: 0.283 ms

Remote clock offset: 0.1 ms

Below is generated by plot.py at 2018-07-20 00:48:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 338.46 Mbit/s

95th percentile per-packet one-way delay: 67.608 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 237.17 Mbit/s

95th percentile per-packet one-way delay: 64.535 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 175.59 Mbit/s

95th percentile per-packet one-way delay: 71.838 ms

Loss rate: 0.67%

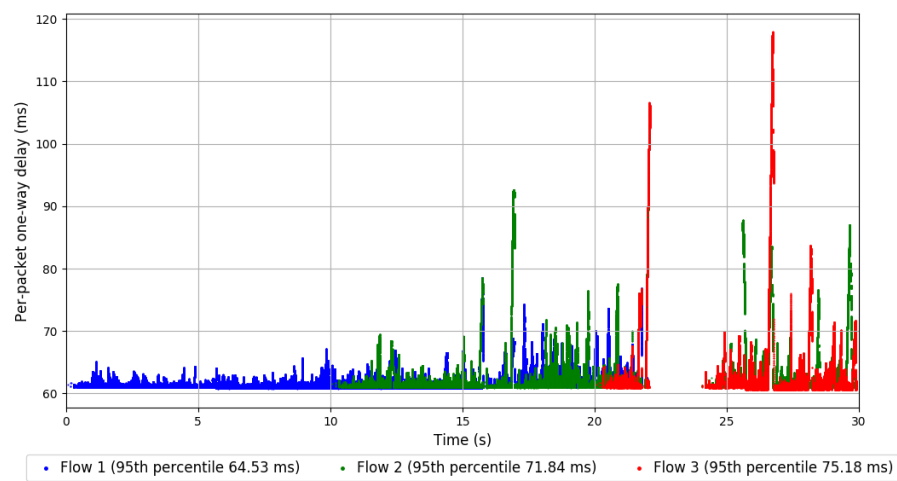
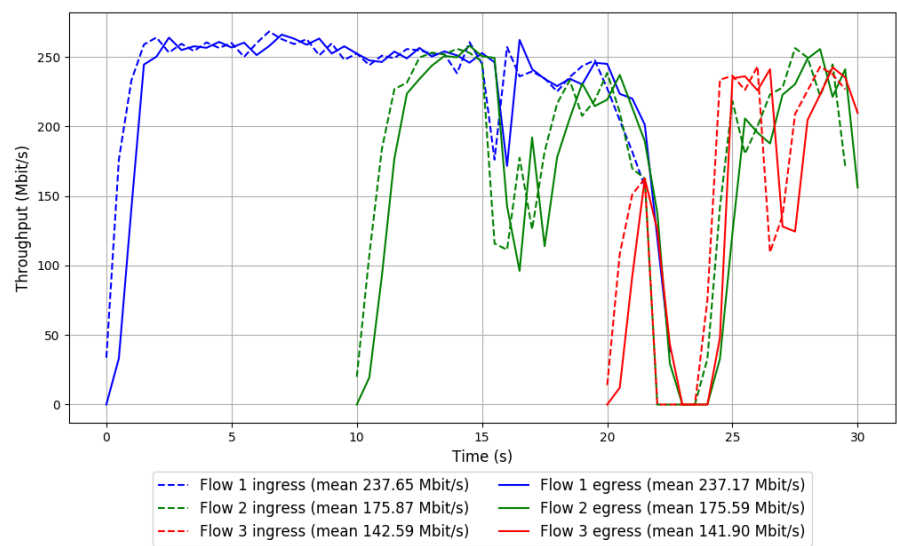
-- Flow 3:

Average throughput: 141.90 Mbit/s

95th percentile per-packet one-way delay: 75.180 ms

Loss rate: 1.72%

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

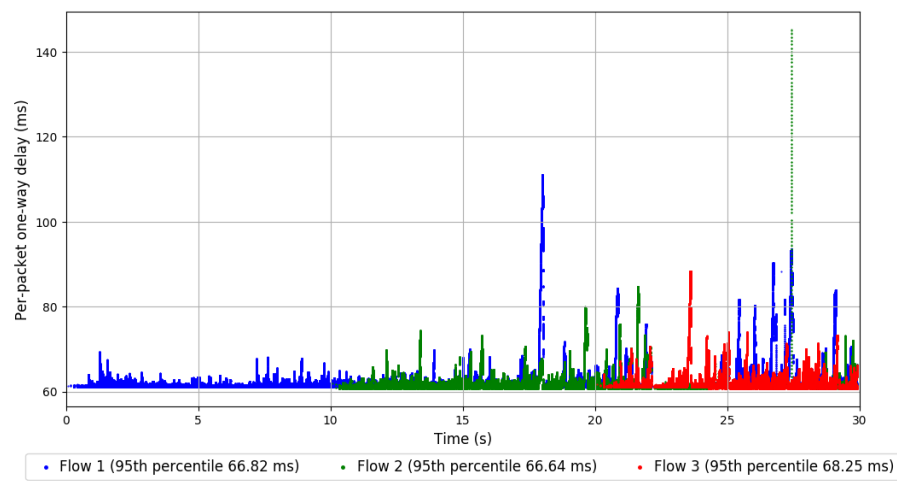
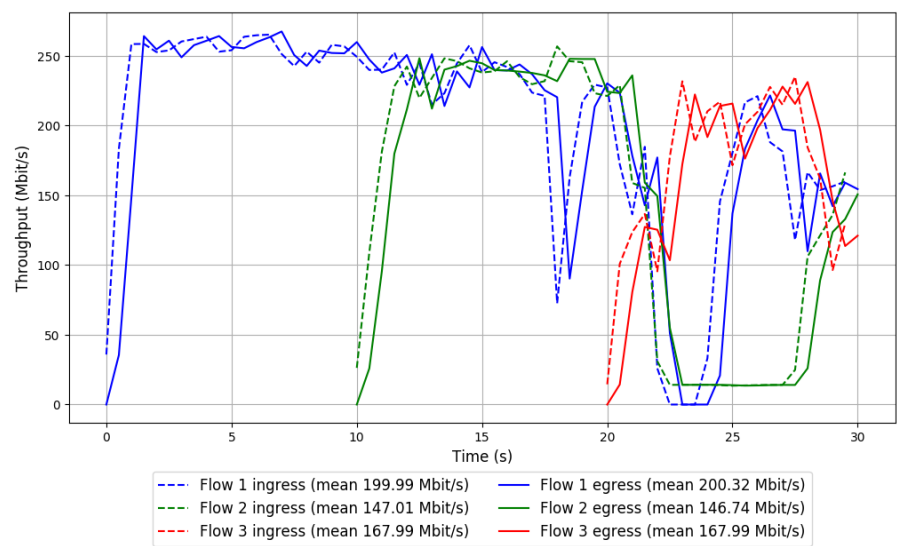


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-19 20:32:09
End at: 2018-07-19 20:32:39
Local clock offset: 0.287 ms
Remote clock offset: -0.169 ms

Below is generated by plot.py at 2018-07-20 00:52:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 353.22 Mbit/s
95th percentile per-packet one-way delay: 67.039 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 200.32 Mbit/s
95th percentile per-packet one-way delay: 66.816 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 146.74 Mbit/s
95th percentile per-packet one-way delay: 66.642 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 167.99 Mbit/s
95th percentile per-packet one-way delay: 68.246 ms
Loss rate: 0.71%

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

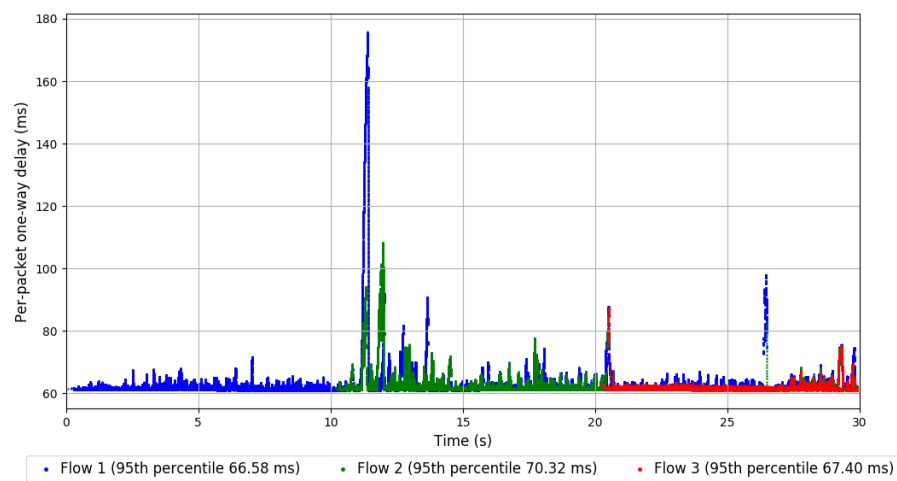
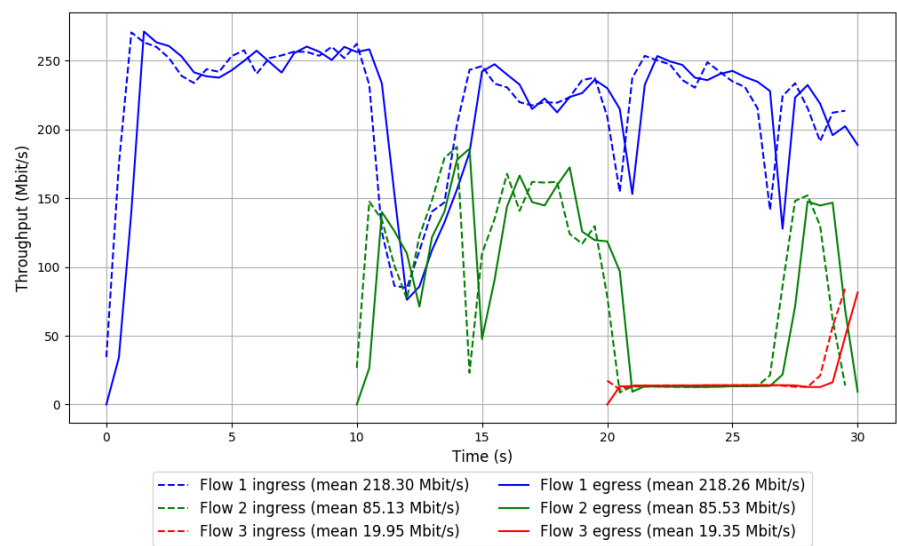


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-19 20:57:28
End at: 2018-07-19 20:57:58
Local clock offset: 0.369 ms
Remote clock offset: -0.181 ms

Below is generated by plot.py at 2018-07-20 00:52:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 281.49 Mbit/s
95th percentile per-packet one-way delay: 67.239 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 218.26 Mbit/s
95th percentile per-packet one-way delay: 66.582 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 85.53 Mbit/s
95th percentile per-packet one-way delay: 70.320 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 19.35 Mbit/s
95th percentile per-packet one-way delay: 67.400 ms
Loss rate: 4.23%

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

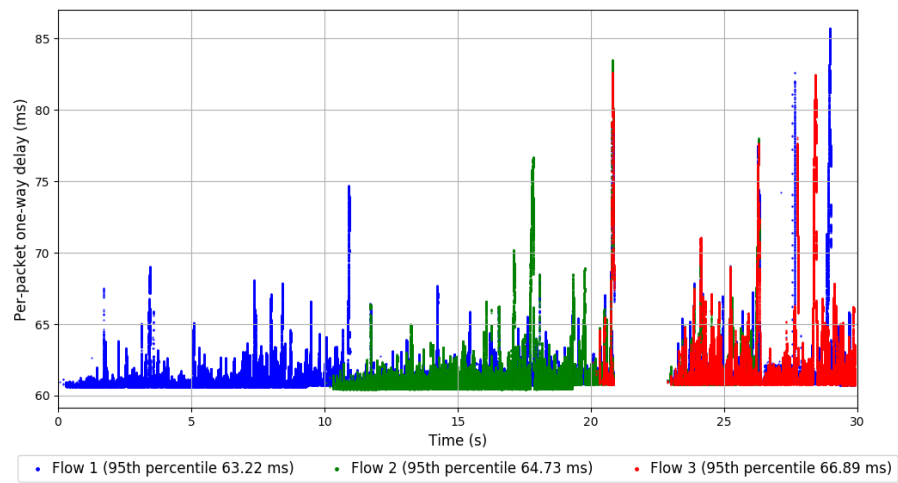
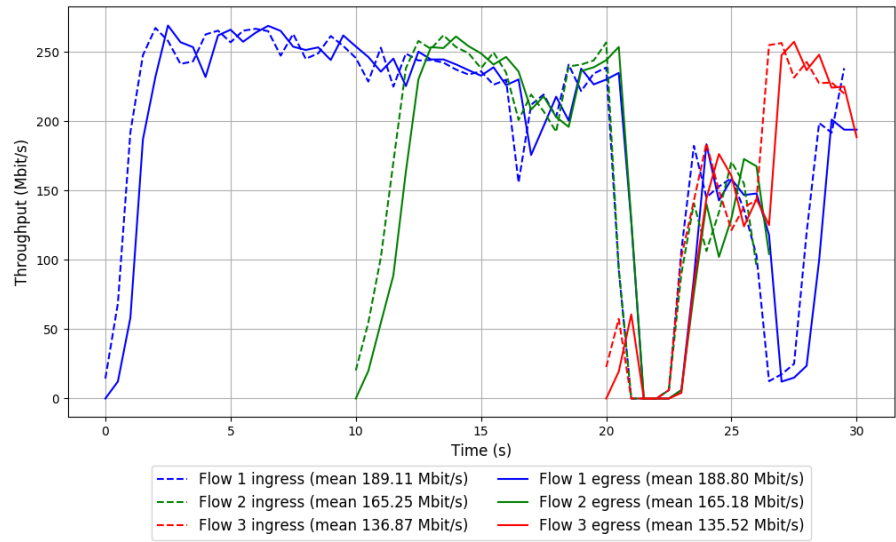


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-07-19 21:22:54
End at: 2018-07-19 21:23:24
Local clock offset: 0.375 ms
Remote clock offset: 0.24 ms

# Below is generated by plot.py at 2018-07-20 00:53:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 323.48 Mbit/s
95th percentile per-packet one-way delay: 64.202 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 188.80 Mbit/s
95th percentile per-packet one-way delay: 63.223 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 165.18 Mbit/s
95th percentile per-packet one-way delay: 64.735 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 135.52 Mbit/s
95th percentile per-packet one-way delay: 66.895 ms
Loss rate: 2.22%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-19 17:29:33

End at: 2018-07-19 17:30:03

Local clock offset: -0.012 ms

Remote clock offset: 1.195 ms

Below is generated by plot.py at 2018-07-20 00:53:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 351.36 Mbit/s

95th percentile per-packet one-way delay: 79.480 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 183.54 Mbit/s

95th percentile per-packet one-way delay: 78.570 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 174.45 Mbit/s

95th percentile per-packet one-way delay: 78.539 ms

Loss rate: 0.22%

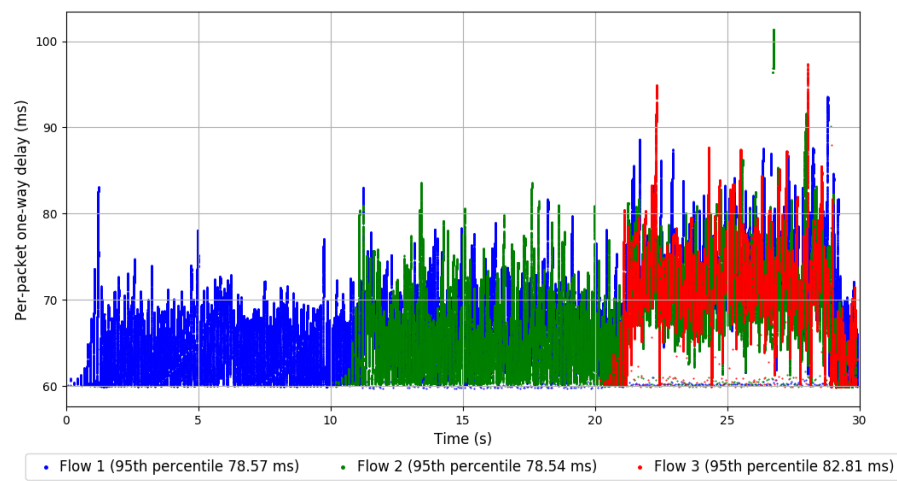
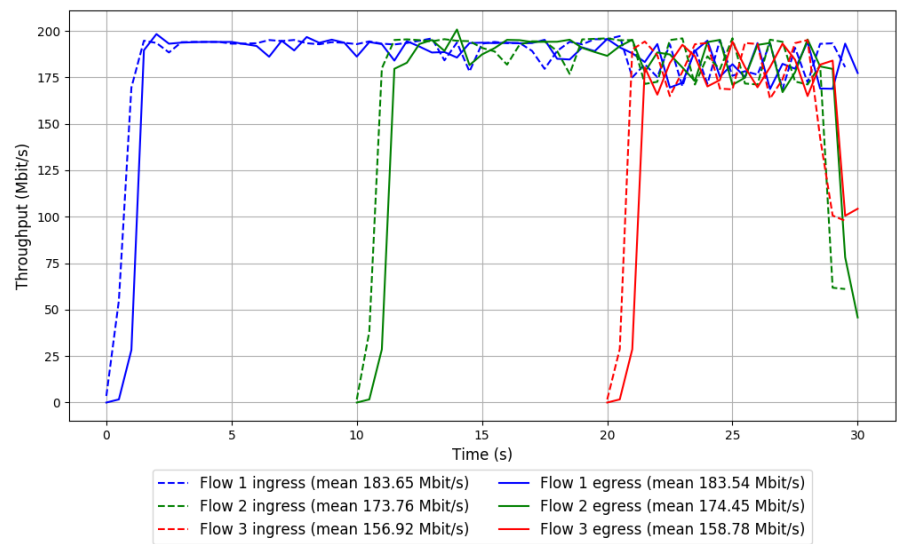
-- Flow 3:

Average throughput: 158.78 Mbit/s

95th percentile per-packet one-way delay: 82.806 ms

Loss rate: 0.07%

Run 1: Report of TCP Vegas — Data Link

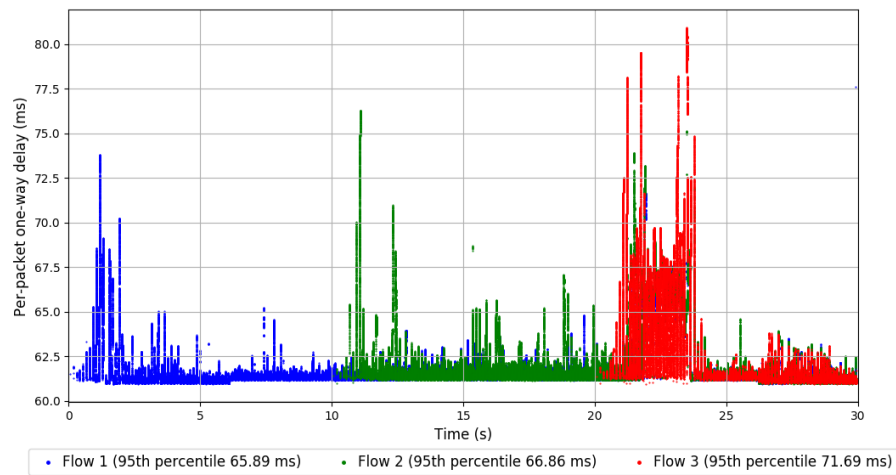
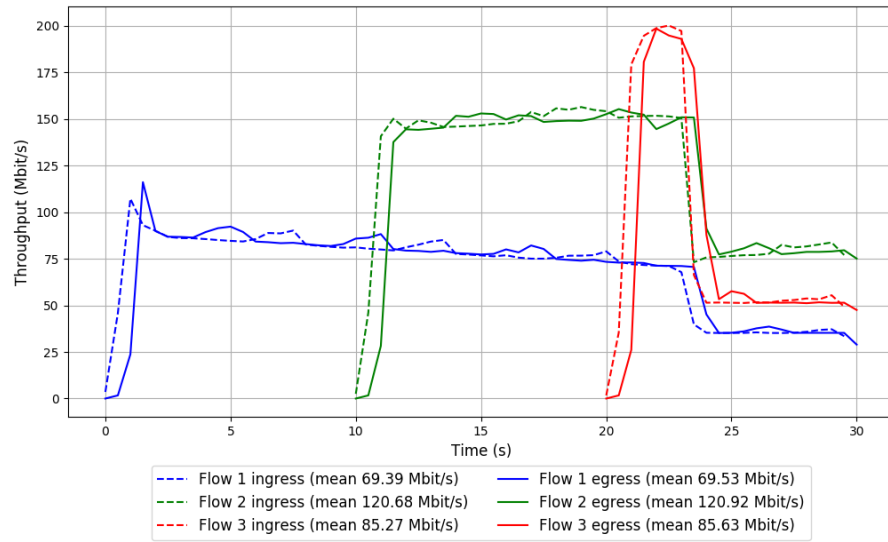


Run 2: Statistics of TCP Vegas

Start at: 2018-07-19 17:54:47
End at: 2018-07-19 17:55:17
Local clock offset: 0.0 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2018-07-20 00:53:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 178.14 Mbit/s
95th percentile per-packet one-way delay: 67.480 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 69.53 Mbit/s
95th percentile per-packet one-way delay: 65.893 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 120.92 Mbit/s
95th percentile per-packet one-way delay: 66.861 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 85.63 Mbit/s
95th percentile per-packet one-way delay: 71.686 ms
Loss rate: 0.80%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-19 18:19:29

End at: 2018-07-19 18:19:59

Local clock offset: -0.049 ms

Remote clock offset: 0.137 ms

Below is generated by plot.py at 2018-07-20 00:53:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 249.02 Mbit/s

95th percentile per-packet one-way delay: 75.822 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 186.93 Mbit/s

95th percentile per-packet one-way delay: 74.400 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 7.27 Mbit/s

95th percentile per-packet one-way delay: 73.290 ms

Loss rate: 1.05%

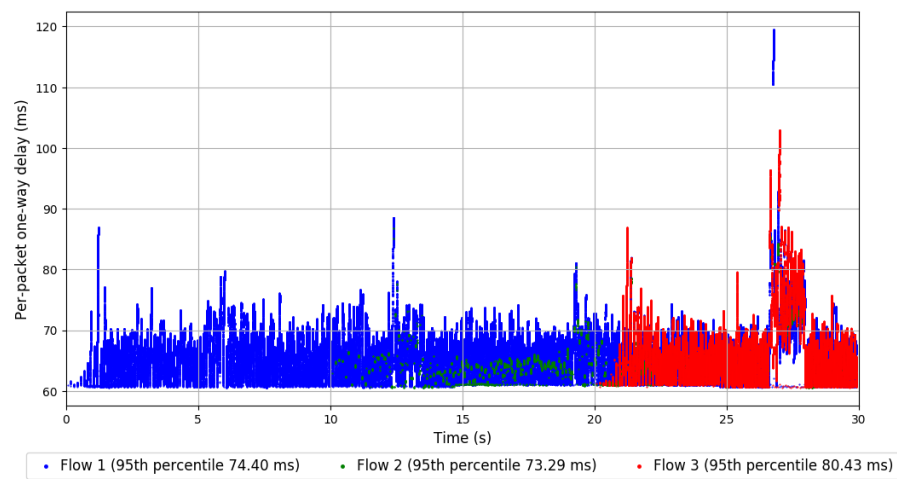
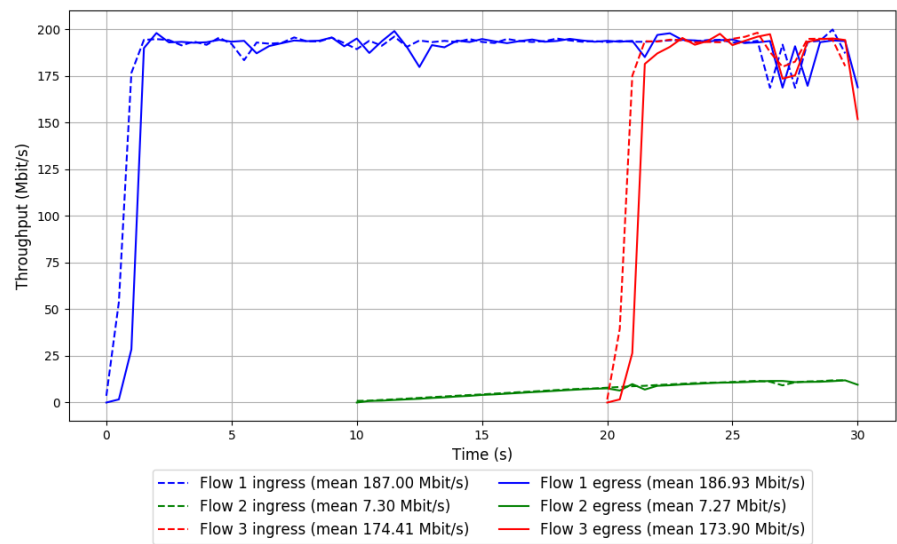
-- Flow 3:

Average throughput: 173.90 Mbit/s

95th percentile per-packet one-way delay: 80.433 ms

Loss rate: 1.52%

Run 3: Report of TCP Vegas — Data Link

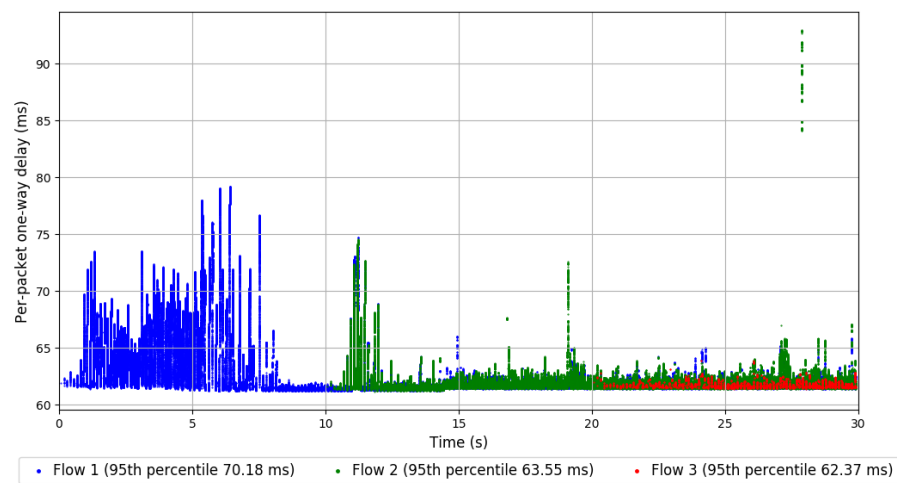
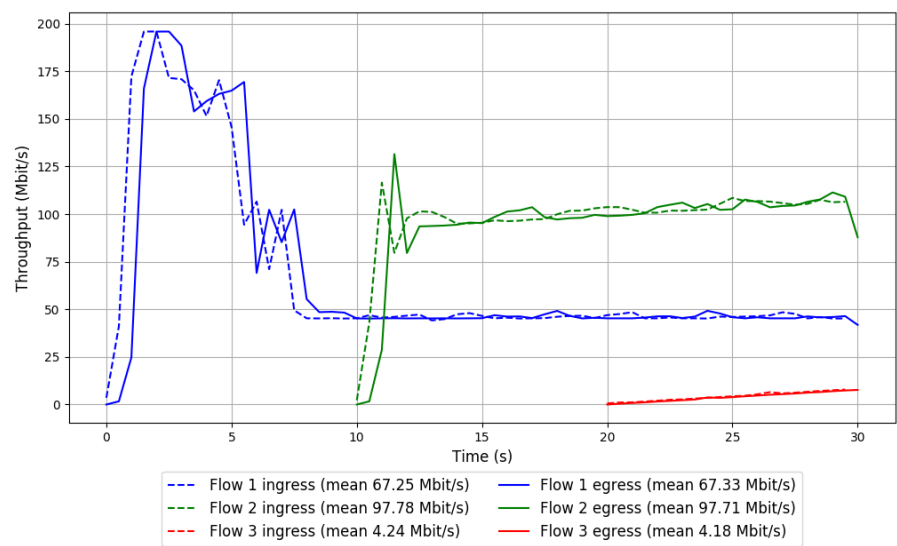


Run 4: Statistics of TCP Vegas

Start at: 2018-07-19 18:44:59
End at: 2018-07-19 18:45:29
Local clock offset: 0.029 ms
Remote clock offset: -0.402 ms

```
# Below is generated by plot.py at 2018-07-20 00:53:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 133.64 Mbit/s
95th percentile per-packet one-way delay: 68.520 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 67.33 Mbit/s
95th percentile per-packet one-way delay: 70.176 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 97.71 Mbit/s
95th percentile per-packet one-way delay: 63.550 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: 62.367 ms
Loss rate: 2.56%
```

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-19 19:10:22

End at: 2018-07-19 19:10:52

Local clock offset: 0.101 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-20 00:53:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 201.88 Mbit/s

95th percentile per-packet one-way delay: 73.318 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 138.60 Mbit/s

95th percentile per-packet one-way delay: 73.379 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 8.01 Mbit/s

95th percentile per-packet one-way delay: 67.039 ms

Loss rate: 1.23%

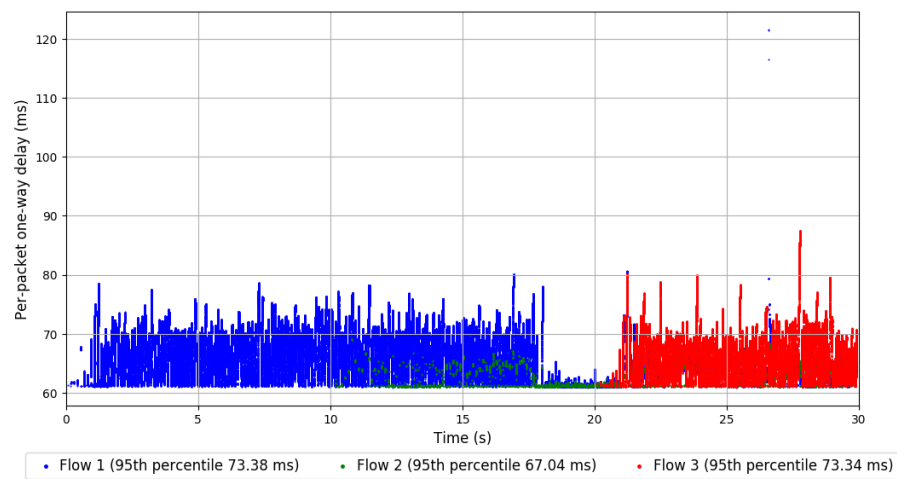
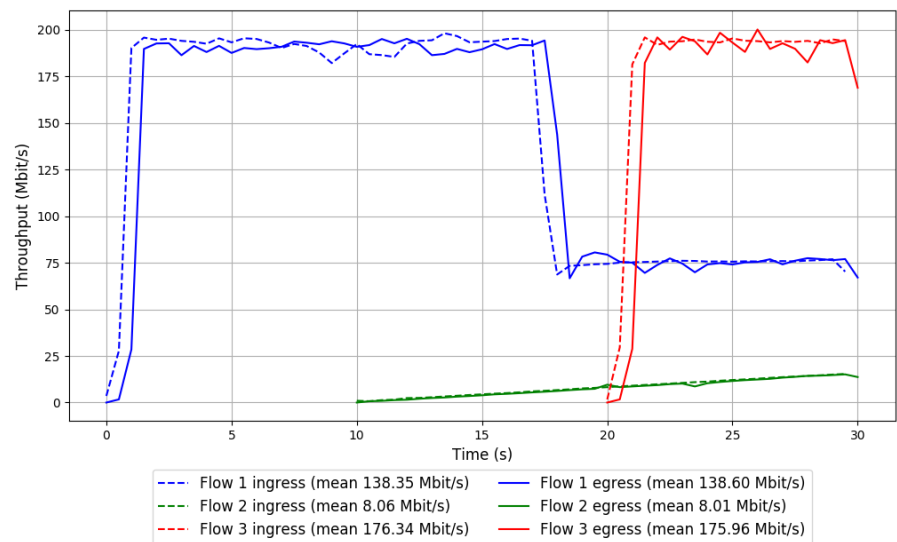
-- Flow 3:

Average throughput: 175.96 Mbit/s

95th percentile per-packet one-way delay: 73.341 ms

Loss rate: 1.41%

Run 5: Report of TCP Vegas — Data Link

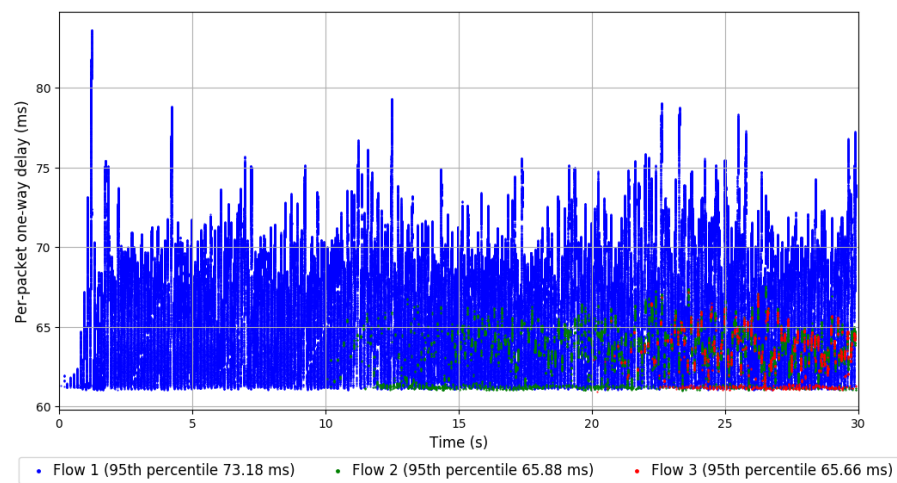
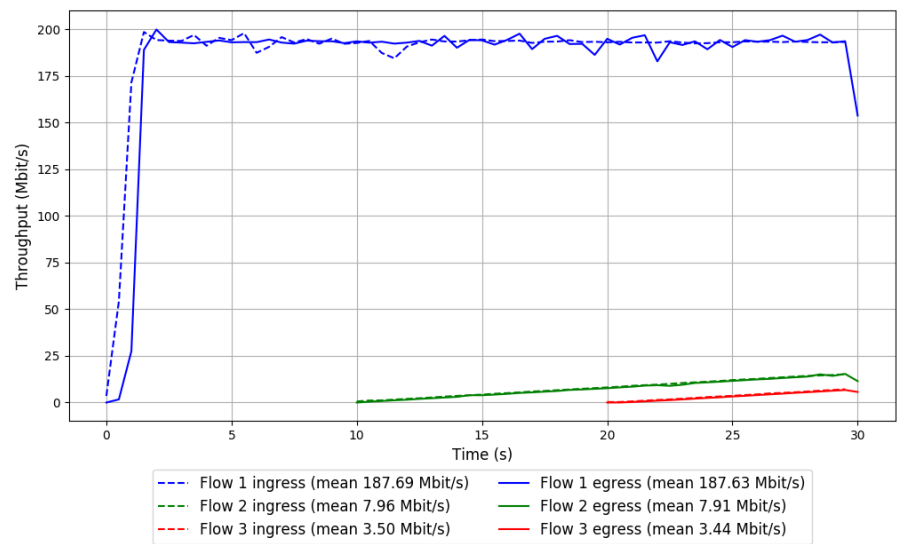


Run 6: Statistics of TCP Vegas

Start at: 2018-07-19 19:35:56
End at: 2018-07-19 19:36:26
Local clock offset: 0.181 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-07-20 00:53:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 193.90 Mbit/s
95th percentile per-packet one-way delay: 73.115 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 187.63 Mbit/s
95th percentile per-packet one-way delay: 73.176 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 7.91 Mbit/s
95th percentile per-packet one-way delay: 65.877 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 3.44 Mbit/s
95th percentile per-packet one-way delay: 65.655 ms
Loss rate: 2.96%

Run 6: Report of TCP Vegas — Data Link

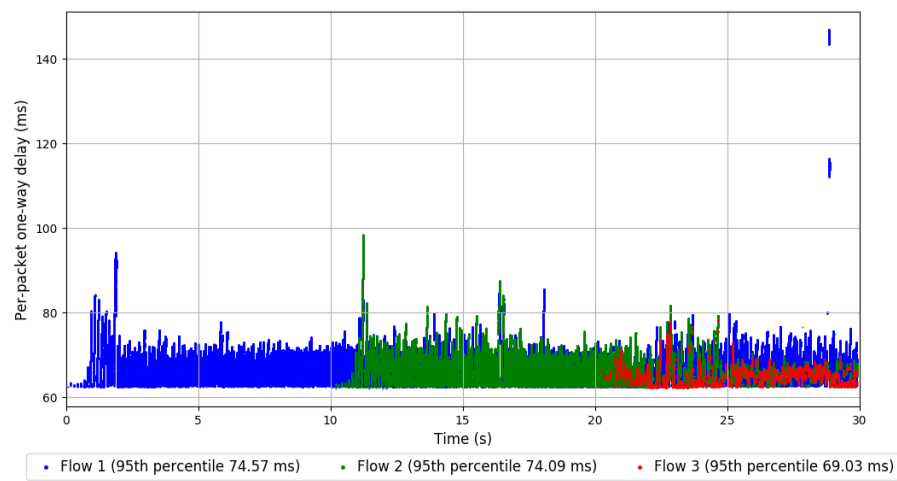
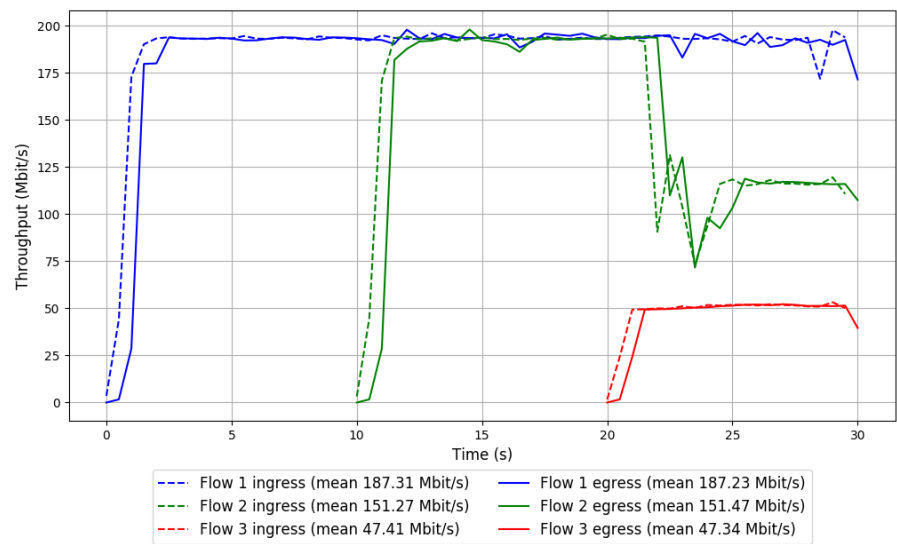


Run 7: Statistics of TCP Vegas

Start at: 2018-07-19 20:01:20
End at: 2018-07-19 20:01:50
Local clock offset: 0.238 ms
Remote clock offset: -1.226 ms

Below is generated by plot.py at 2018-07-20 00:55:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 303.44 Mbit/s
95th percentile per-packet one-way delay: 74.249 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 187.23 Mbit/s
95th percentile per-packet one-way delay: 74.568 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 151.47 Mbit/s
95th percentile per-packet one-way delay: 74.091 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 47.34 Mbit/s
95th percentile per-packet one-way delay: 69.028 ms
Loss rate: 1.37%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-19 20:26:51

End at: 2018-07-19 20:27:21

Local clock offset: 0.282 ms

Remote clock offset: 1.182 ms

Below is generated by plot.py at 2018-07-20 00:55:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 332.13 Mbit/s

95th percentile per-packet one-way delay: 74.709 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 185.25 Mbit/s

95th percentile per-packet one-way delay: 74.200 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 136.05 Mbit/s

95th percentile per-packet one-way delay: 71.401 ms

Loss rate: 0.65%

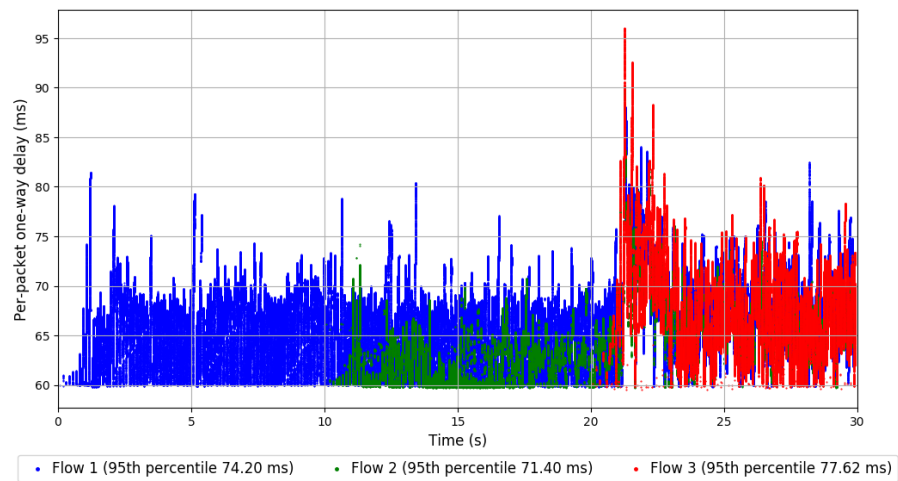
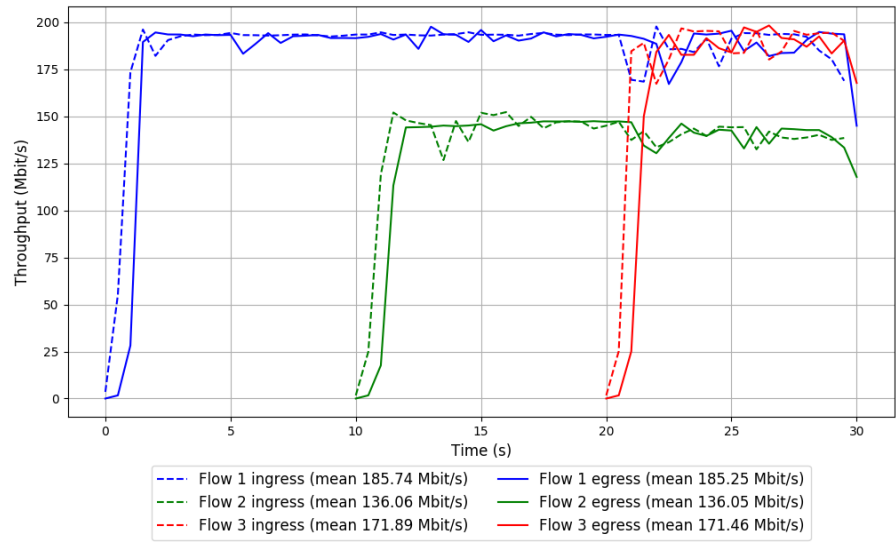
-- Flow 3:

Average throughput: 171.46 Mbit/s

95th percentile per-packet one-way delay: 77.622 ms

Loss rate: 1.48%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-19 20:52:16

End at: 2018-07-19 20:52:46

Local clock offset: 0.331 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-20 00:55:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 200.93 Mbit/s

95th percentile per-packet one-way delay: 72.645 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 73.11 Mbit/s

95th percentile per-packet one-way delay: 66.494 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 183.95 Mbit/s

95th percentile per-packet one-way delay: 74.062 ms

Loss rate: 0.72%

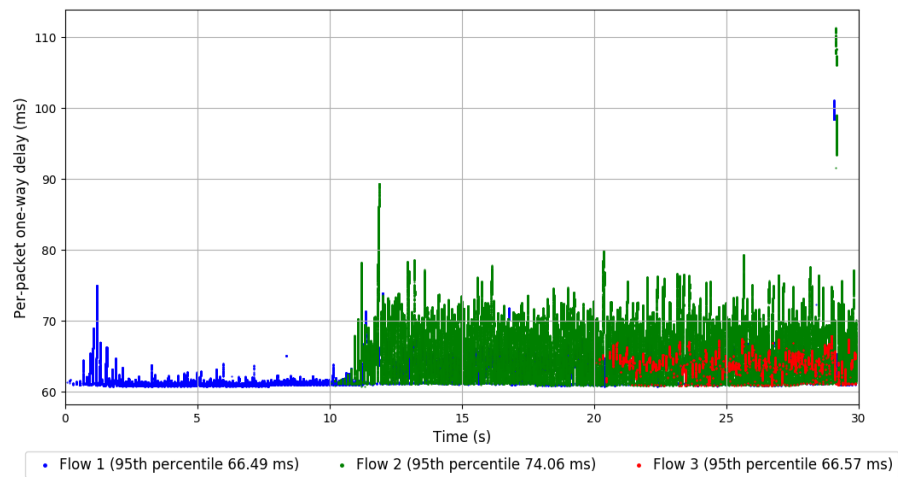
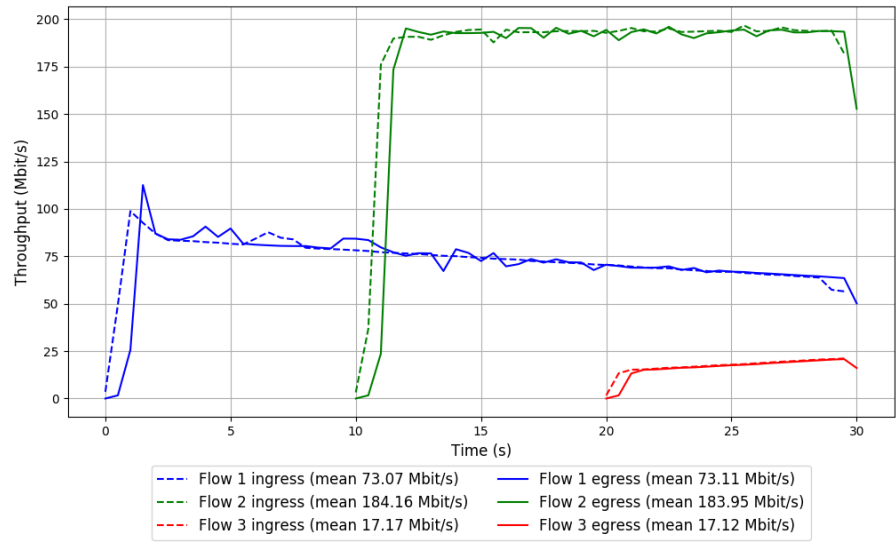
-- Flow 3:

Average throughput: 17.12 Mbit/s

95th percentile per-packet one-way delay: 66.573 ms

Loss rate: 1.56%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-19 21:17:40

End at: 2018-07-19 21:18:10

Local clock offset: 0.401 ms

Remote clock offset: -1.37 ms

Below is generated by plot.py at 2018-07-20 00:56:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 266.13 Mbit/s

95th percentile per-packet one-way delay: 74.314 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 162.81 Mbit/s

95th percentile per-packet one-way delay: 75.109 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 114.45 Mbit/s

95th percentile per-packet one-way delay: 69.993 ms

Loss rate: 0.66%

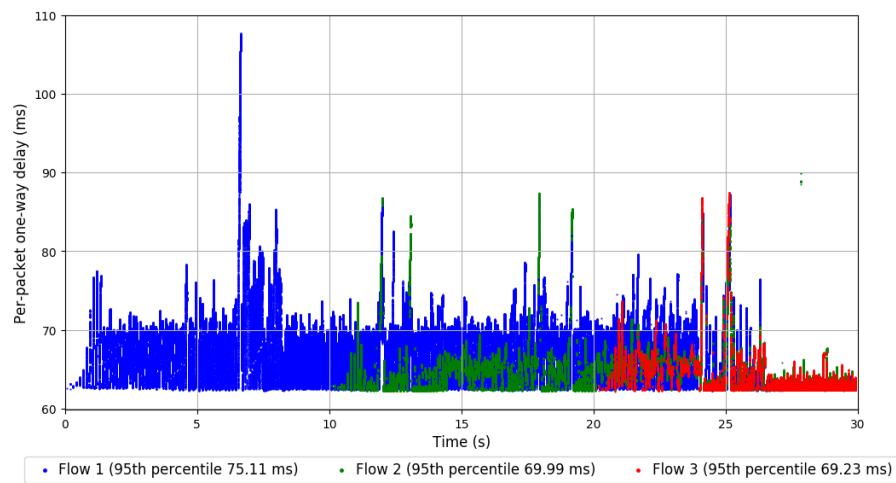
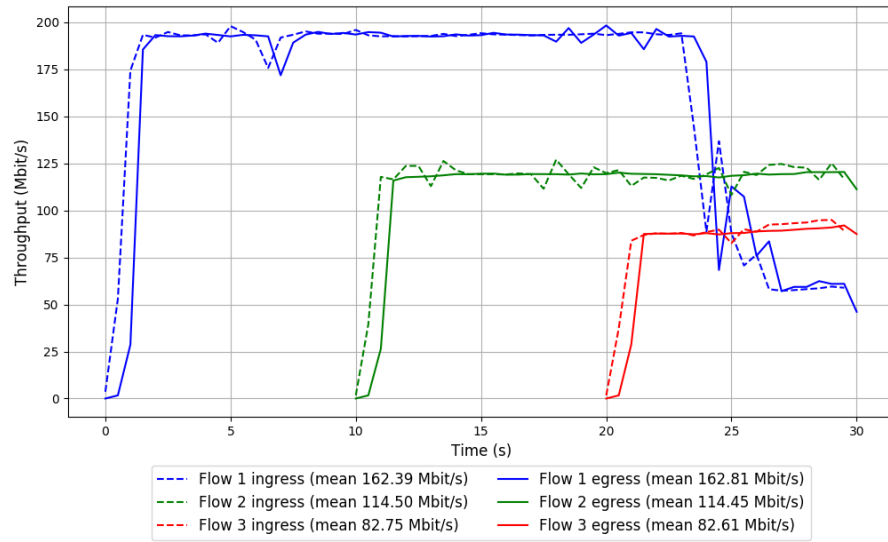
-- Flow 3:

Average throughput: 82.61 Mbit/s

95th percentile per-packet one-way delay: 69.230 ms

Loss rate: 1.39%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-19 17:17:36

End at: 2018-07-19 17:18:06

Local clock offset: -0.04 ms

Remote clock offset: 0.184 ms

Below is generated by plot.py at 2018-07-20 00:58:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 307.19 Mbit/s

95th percentile per-packet one-way delay: 176.605 ms

Loss rate: 1.00%

-- Flow 1:

Average throughput: 170.00 Mbit/s

95th percentile per-packet one-way delay: 157.759 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 156.81 Mbit/s

95th percentile per-packet one-way delay: 156.246 ms

Loss rate: 0.83%

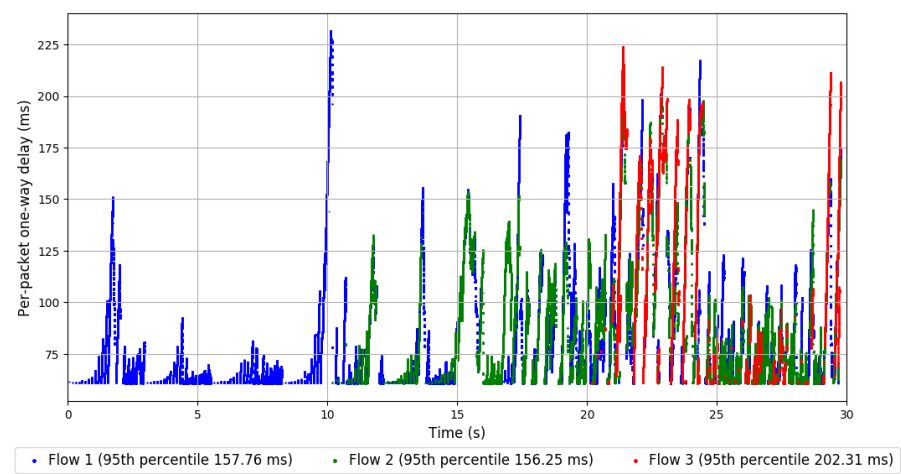
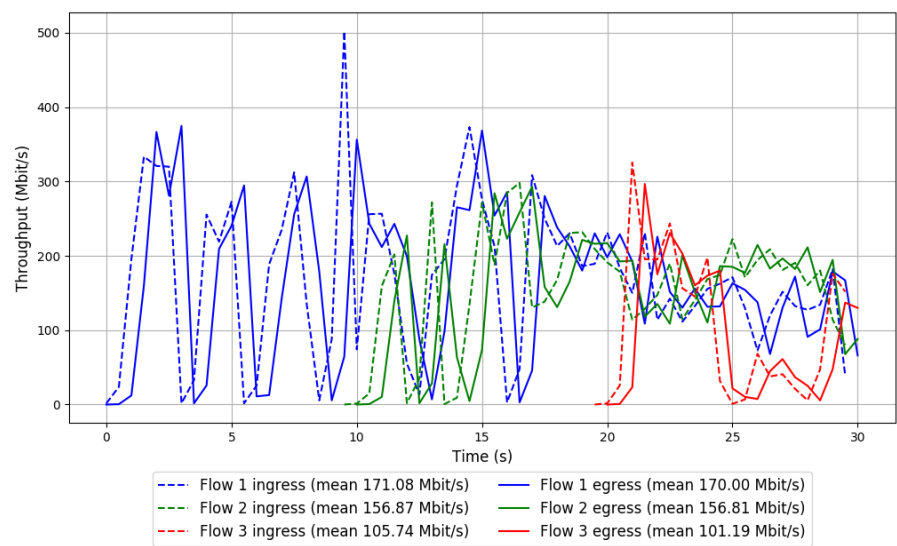
-- Flow 3:

Average throughput: 101.19 Mbit/s

95th percentile per-packet one-way delay: 202.309 ms

Loss rate: 4.99%

Run 1: Report of Verus — Data Link

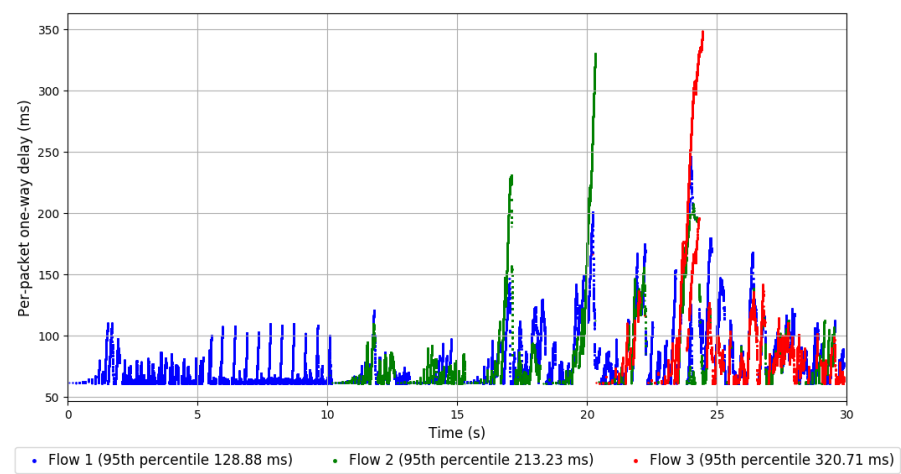
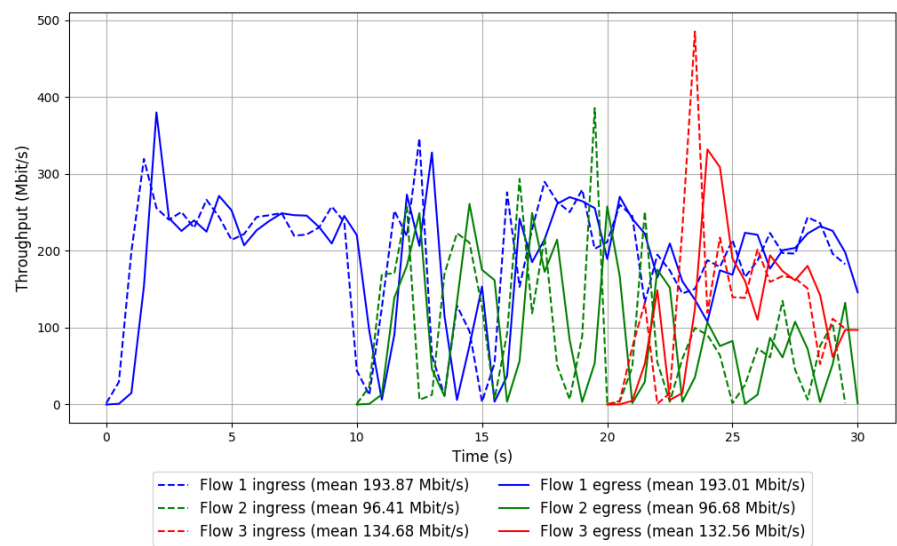


Run 2: Statistics of Verus

Start at: 2018-07-19 17:43:07
End at: 2018-07-19 17:43:37
Local clock offset: 0.002 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-20 00:59:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 300.17 Mbit/s
95th percentile per-packet one-way delay: 167.286 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 193.01 Mbit/s
95th percentile per-packet one-way delay: 128.878 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 96.68 Mbit/s
95th percentile per-packet one-way delay: 213.227 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 132.56 Mbit/s
95th percentile per-packet one-way delay: 320.707 ms
Loss rate: 3.84%

Run 2: Report of Verus — Data Link

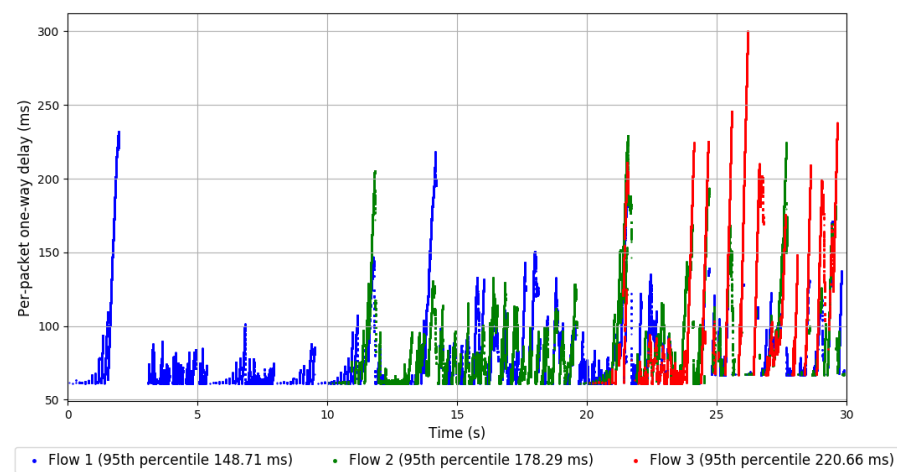
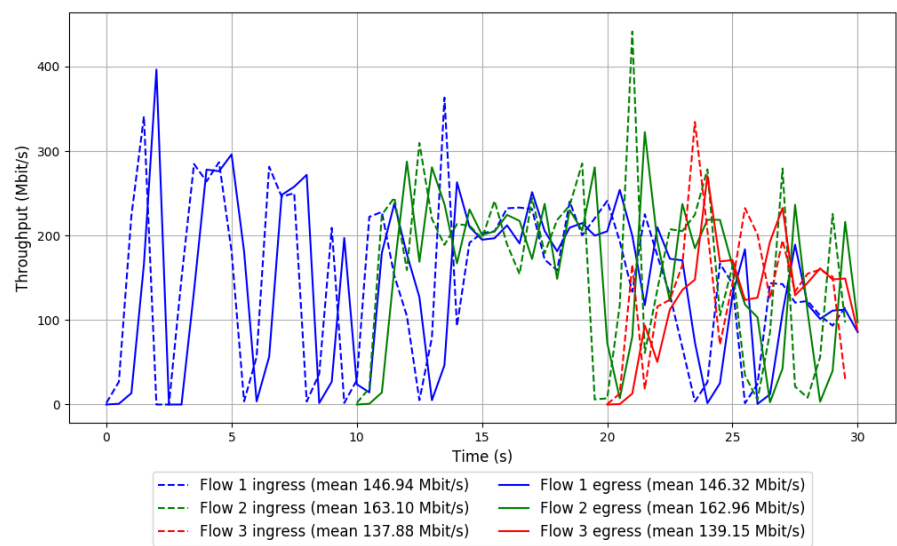


Run 3: Statistics of Verus

Start at: 2018-07-19 18:07:49
End at: 2018-07-19 18:08:19
Local clock offset: -0.018 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-07-20 00:59:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 299.19 Mbit/s
95th percentile per-packet one-way delay: 187.693 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 146.32 Mbit/s
95th percentile per-packet one-way delay: 148.713 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 162.96 Mbit/s
95th percentile per-packet one-way delay: 178.291 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 139.15 Mbit/s
95th percentile per-packet one-way delay: 220.659 ms
Loss rate: 2.96%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-19 18:32:53

End at: 2018-07-19 18:33:23

Local clock offset: 0.01 ms

Remote clock offset: 1.198 ms

Below is generated by plot.py at 2018-07-20 01:00:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 290.48 Mbit/s

95th percentile per-packet one-way delay: 223.179 ms

Loss rate: 2.89%

-- Flow 1:

Average throughput: 171.31 Mbit/s

95th percentile per-packet one-way delay: 230.791 ms

Loss rate: 2.70%

-- Flow 2:

Average throughput: 148.92 Mbit/s

95th percentile per-packet one-way delay: 239.138 ms

Loss rate: 3.03%

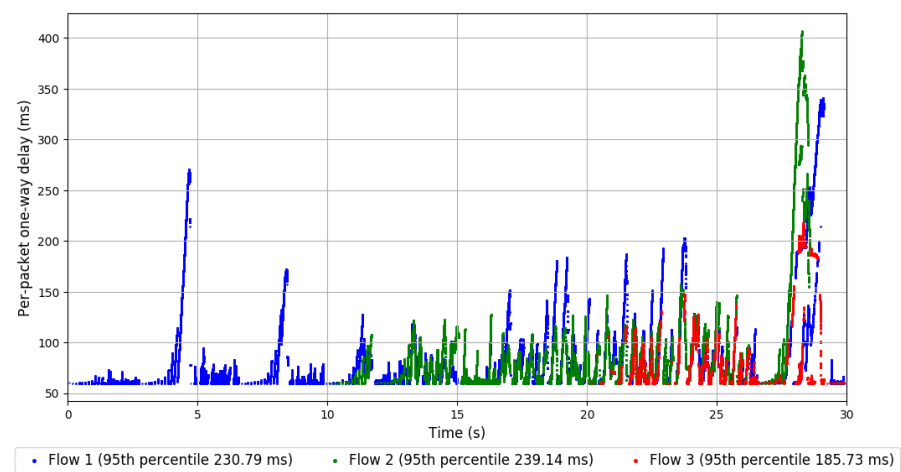
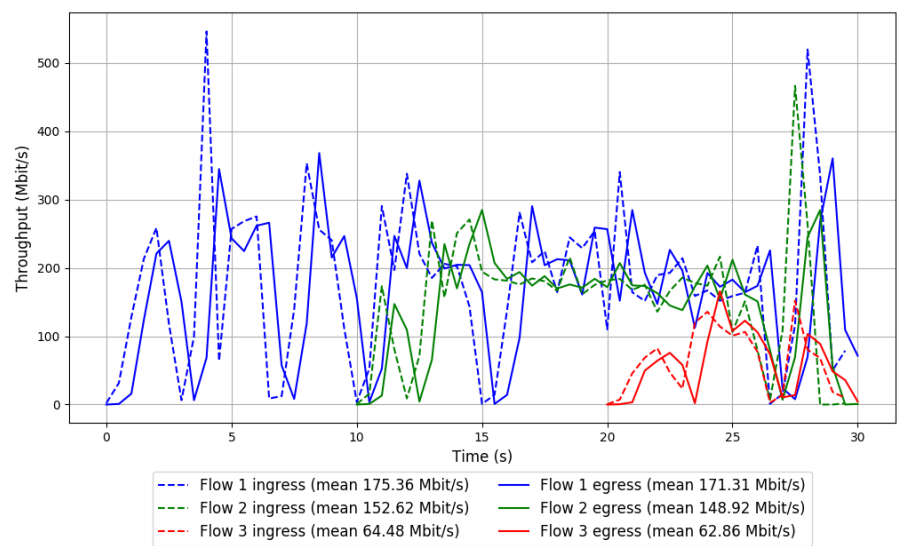
-- Flow 3:

Average throughput: 62.86 Mbit/s

95th percentile per-packet one-way delay: 185.729 ms

Loss rate: 3.73%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-19 18:58:18

End at: 2018-07-19 18:58:48

Local clock offset: 0.014 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-07-20 01:01:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 305.89 Mbit/s

95th percentile per-packet one-way delay: 199.373 ms

Loss rate: 1.67%

-- Flow 1:

Average throughput: 191.16 Mbit/s

95th percentile per-packet one-way delay: 131.827 ms

Loss rate: 1.12%

-- Flow 2:

Average throughput: 123.53 Mbit/s

95th percentile per-packet one-way delay: 247.109 ms

Loss rate: 1.73%

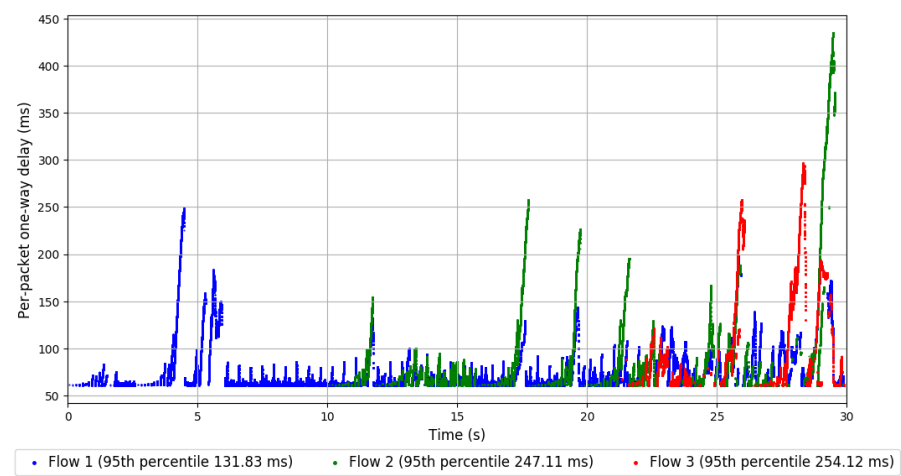
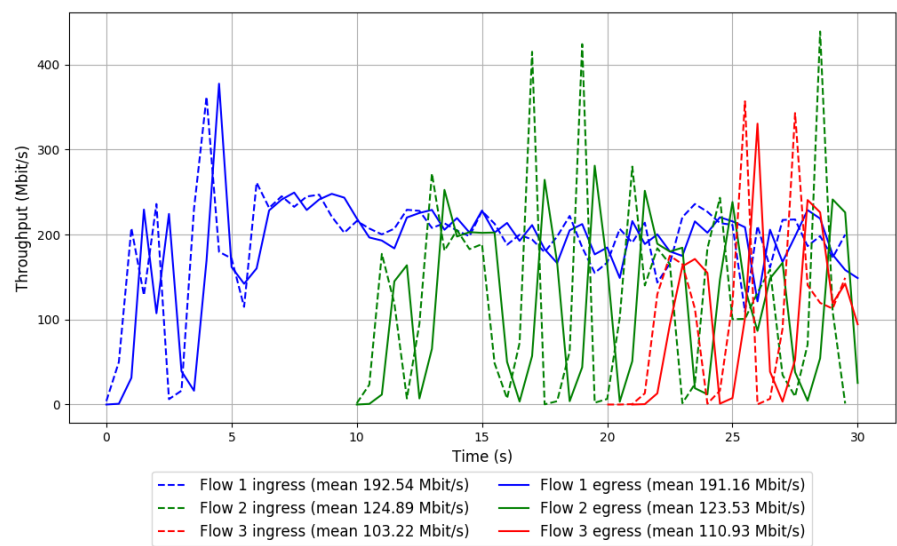
-- Flow 3:

Average throughput: 110.93 Mbit/s

95th percentile per-packet one-way delay: 254.121 ms

Loss rate: 4.68%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-19 19:23:44

End at: 2018-07-19 19:24:14

Local clock offset: 0.186 ms

Remote clock offset: 1.221 ms

Below is generated by plot.py at 2018-07-20 01:02:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 352.50 Mbit/s

95th percentile per-packet one-way delay: 184.904 ms

Loss rate: 2.20%

-- Flow 1:

Average throughput: 208.36 Mbit/s

95th percentile per-packet one-way delay: 156.672 ms

Loss rate: 1.40%

-- Flow 2:

Average throughput: 143.15 Mbit/s

95th percentile per-packet one-way delay: 152.035 ms

Loss rate: 1.84%

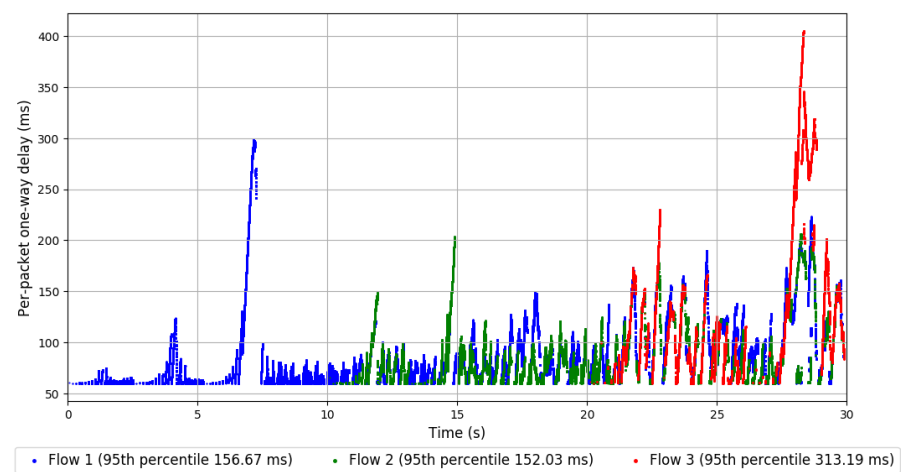
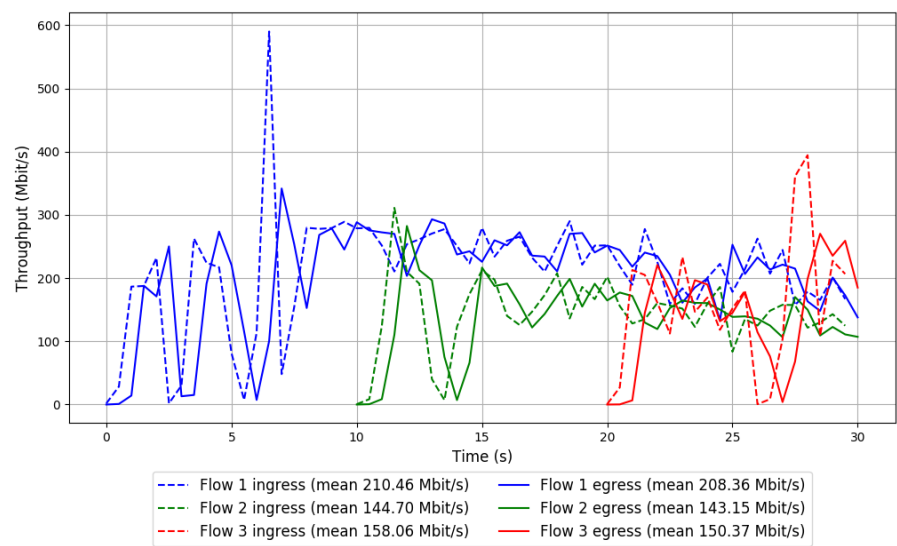
-- Flow 3:

Average throughput: 150.37 Mbit/s

95th percentile per-packet one-way delay: 313.194 ms

Loss rate: 6.06%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-07-19 19:49:21

End at: 2018-07-19 19:49:51

Local clock offset: 0.217 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2018-07-20 01:03:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 322.35 Mbit/s

95th percentile per-packet one-way delay: 159.691 ms

Loss rate: 1.37%

-- Flow 1:

Average throughput: 215.50 Mbit/s

95th percentile per-packet one-way delay: 130.188 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 128.42 Mbit/s

95th percentile per-packet one-way delay: 316.157 ms

Loss rate: 4.15%

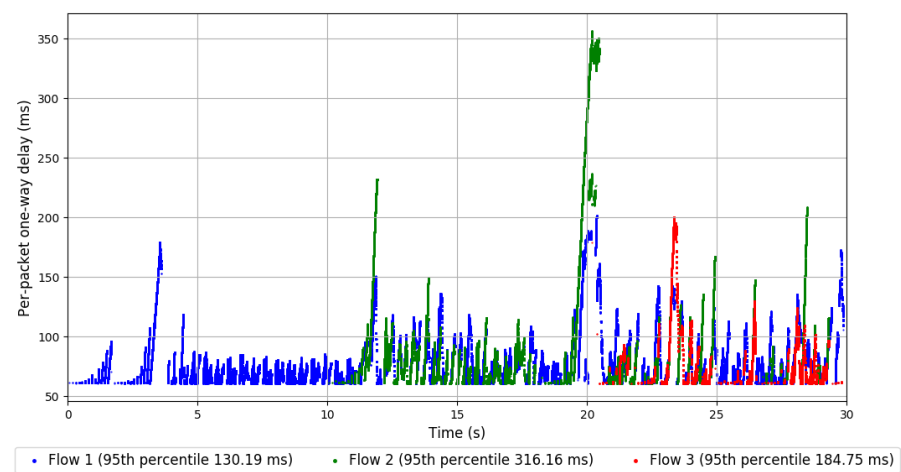
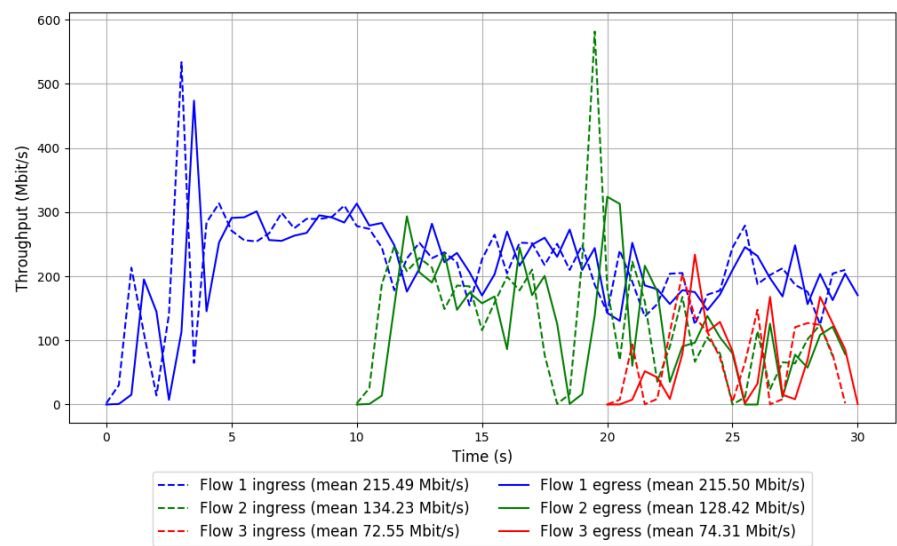
-- Flow 3:

Average throughput: 74.31 Mbit/s

95th percentile per-packet one-way delay: 184.751 ms

Loss rate: 0.08%

Run 7: Report of Verus — Data Link

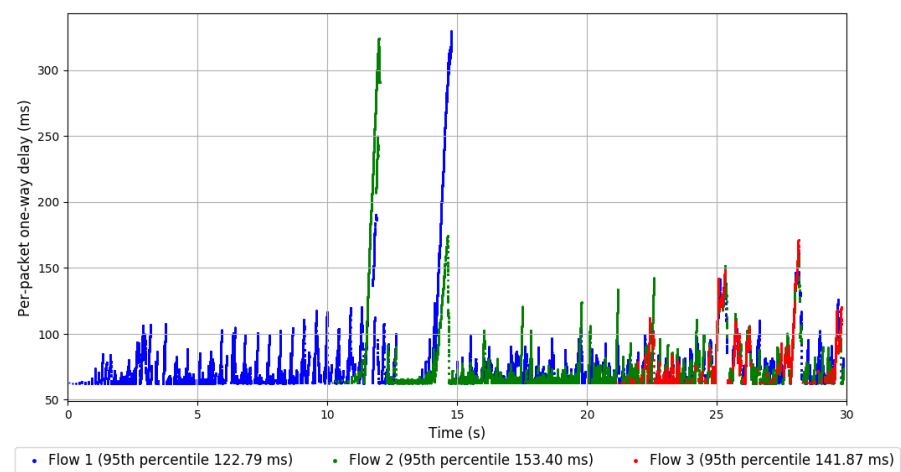
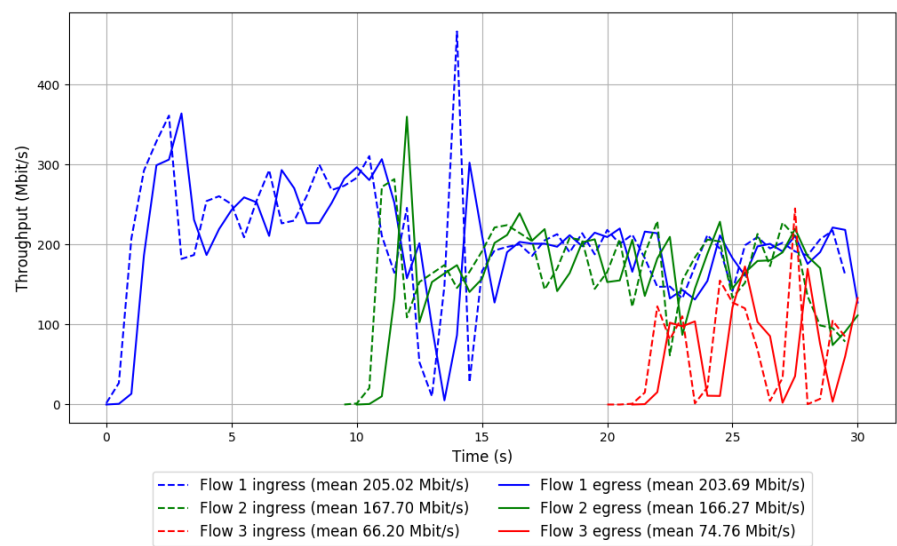


Run 8: Statistics of Verus

Start at: 2018-07-19 20:14:48
End at: 2018-07-19 20:15:18
Local clock offset: 0.258 ms
Remote clock offset: -1.429 ms

Below is generated by plot.py at 2018-07-20 01:03:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 336.11 Mbit/s
95th percentile per-packet one-way delay: 136.976 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 203.69 Mbit/s
95th percentile per-packet one-way delay: 122.786 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 166.27 Mbit/s
95th percentile per-packet one-way delay: 153.398 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 74.76 Mbit/s
95th percentile per-packet one-way delay: 141.865 ms
Loss rate: 0.01%

Run 8: Report of Verus — Data Link

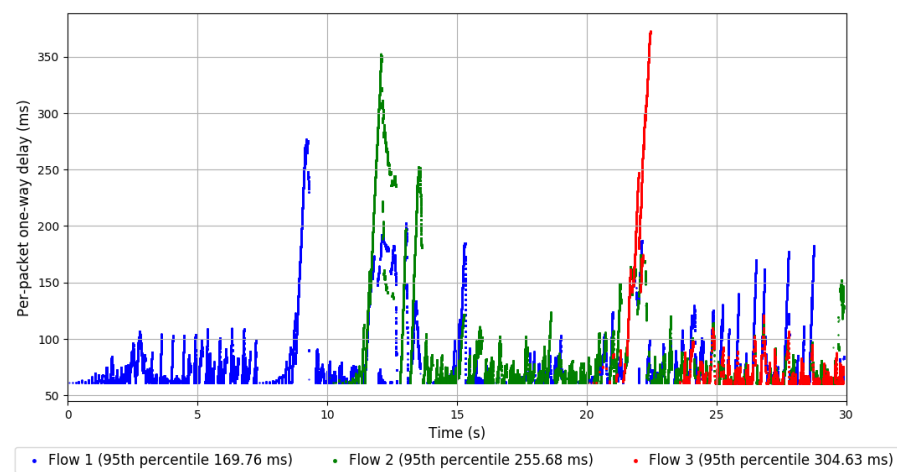
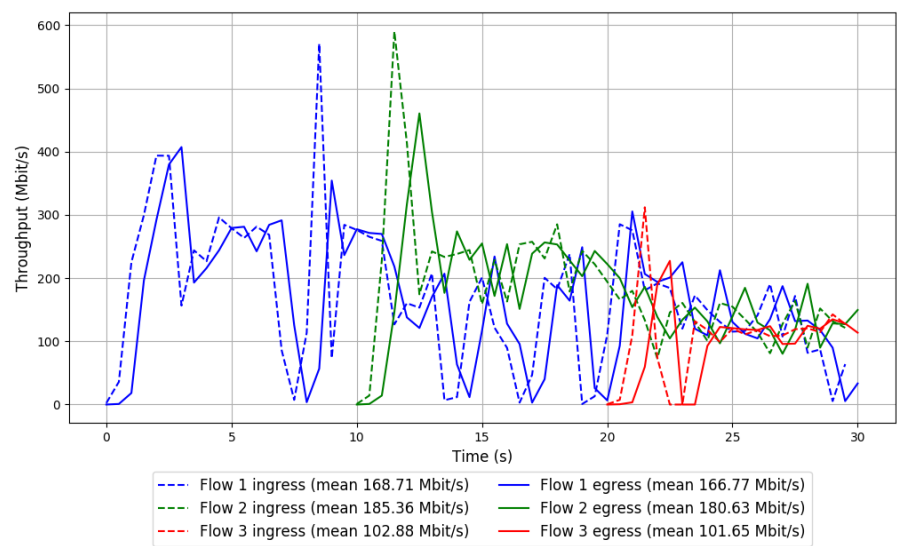


Run 9: Statistics of Verus

Start at: 2018-07-19 20:40:18
End at: 2018-07-19 20:40:49
Local clock offset: 0.285 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-20 01:05:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 320.04 Mbit/s
95th percentile per-packet one-way delay: 238.377 ms
Loss rate: 1.91%
-- Flow 1:
Average throughput: 166.77 Mbit/s
95th percentile per-packet one-way delay: 169.759 ms
Loss rate: 1.56%
-- Flow 2:
Average throughput: 180.63 Mbit/s
95th percentile per-packet one-way delay: 255.684 ms
Loss rate: 2.24%
-- Flow 3:
Average throughput: 101.65 Mbit/s
95th percentile per-packet one-way delay: 304.633 ms
Loss rate: 2.48%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-19 21:05:35

End at: 2018-07-19 21:06:05

Local clock offset: 0.343 ms

Remote clock offset: 0.269 ms

Below is generated by plot.py at 2018-07-20 01:06:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 339.67 Mbit/s

95th percentile per-packet one-way delay: 168.348 ms

Loss rate: 1.90%

-- Flow 1:

Average throughput: 192.78 Mbit/s

95th percentile per-packet one-way delay: 162.226 ms

Loss rate: 1.61%

-- Flow 2:

Average throughput: 146.51 Mbit/s

95th percentile per-packet one-way delay: 206.476 ms

Loss rate: 2.44%

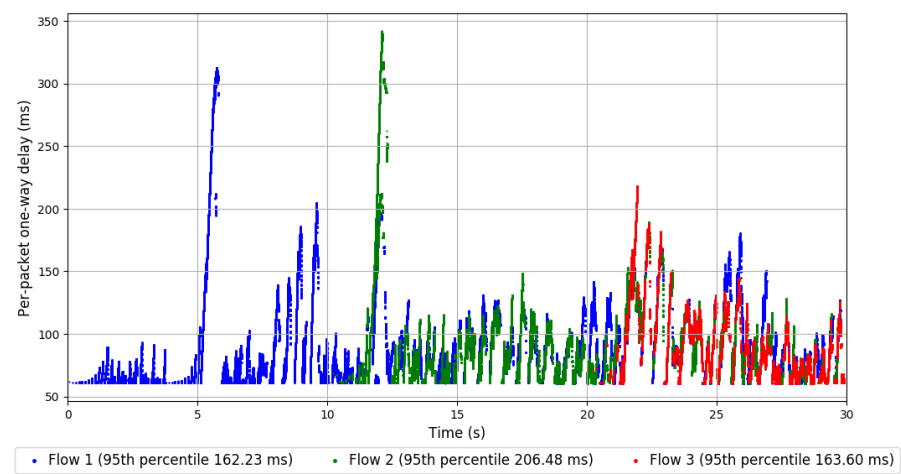
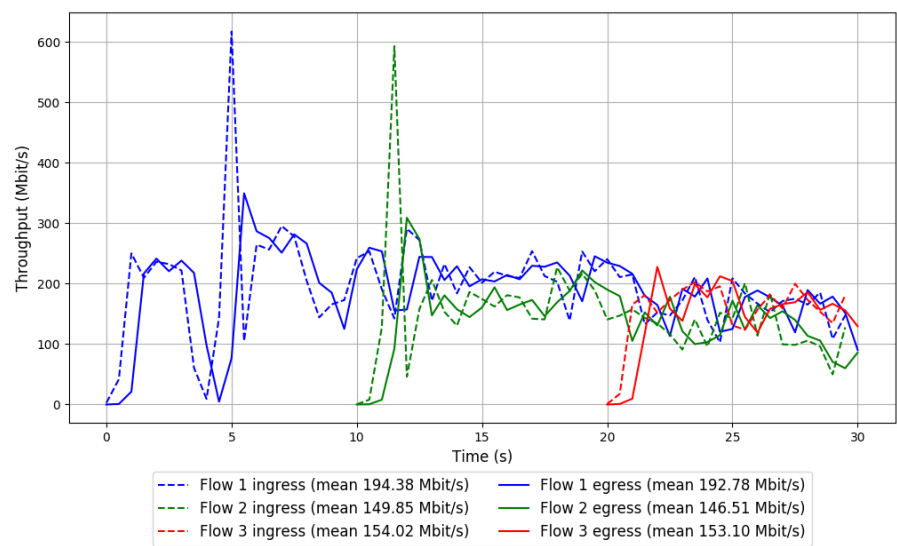
-- Flow 3:

Average throughput: 153.10 Mbit/s

95th percentile per-packet one-way delay: 163.603 ms

Loss rate: 1.96%

Run 10: Report of Verus — Data Link

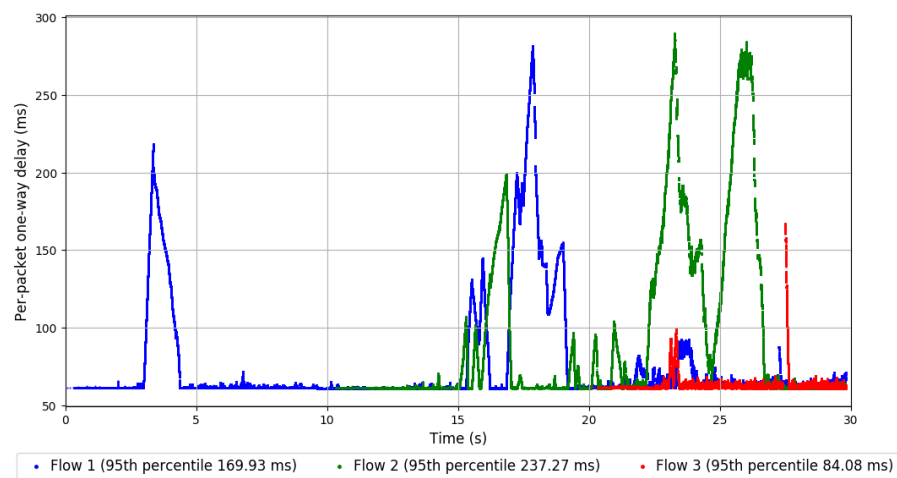
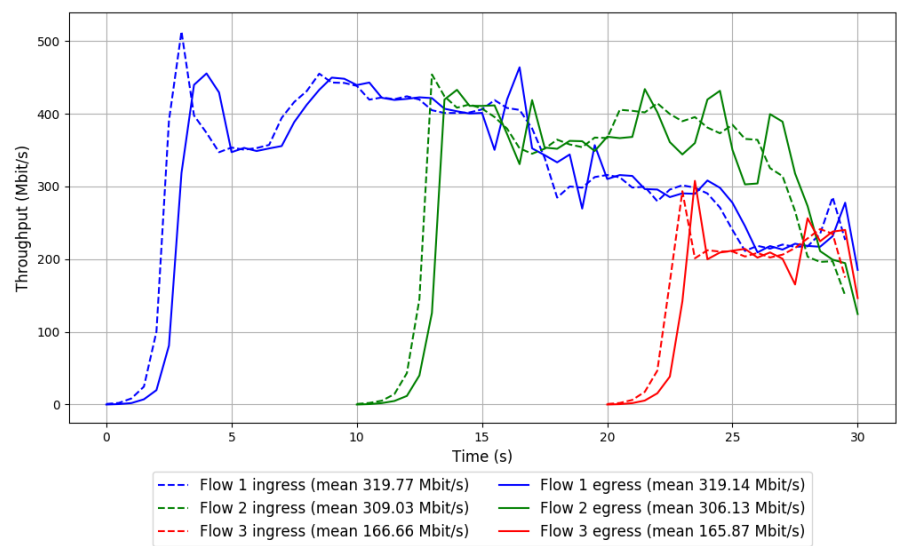


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-19 17:38:04
End at: 2018-07-19 17:38:34
Local clock offset: -0.027 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-20 01:11:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 576.57 Mbit/s
95th percentile per-packet one-way delay: 188.202 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 319.14 Mbit/s
95th percentile per-packet one-way delay: 169.929 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 306.13 Mbit/s
95th percentile per-packet one-way delay: 237.272 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 165.87 Mbit/s
95th percentile per-packet one-way delay: 84.081 ms
Loss rate: 1.72%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-19 18:03:02

End at: 2018-07-19 18:03:32

Local clock offset: -0.024 ms

Remote clock offset: 1.238 ms

Below is generated by plot.py at 2018-07-20 01:11:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 408.39 Mbit/s

95th percentile per-packet one-way delay: 185.101 ms

Loss rate: 1.17%

-- Flow 1:

Average throughput: 243.58 Mbit/s

95th percentile per-packet one-way delay: 192.205 ms

Loss rate: 1.26%

-- Flow 2:

Average throughput: 224.29 Mbit/s

95th percentile per-packet one-way delay: 79.344 ms

Loss rate: 0.66%

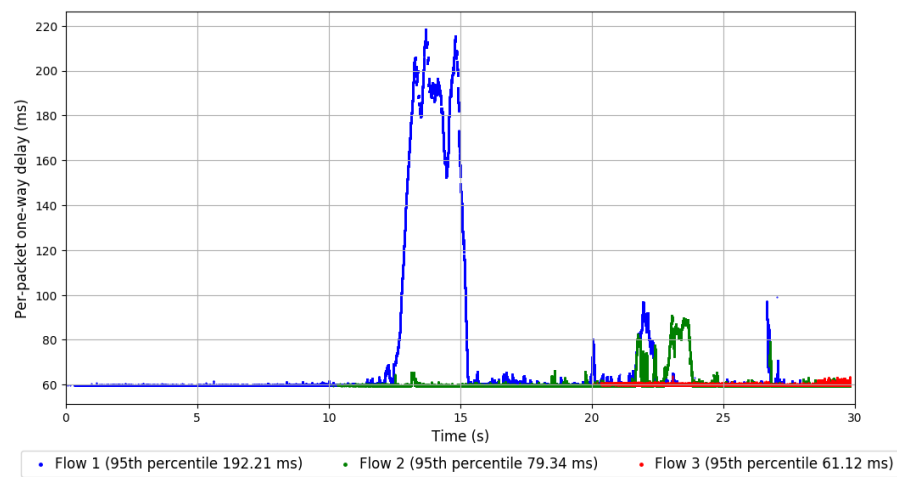
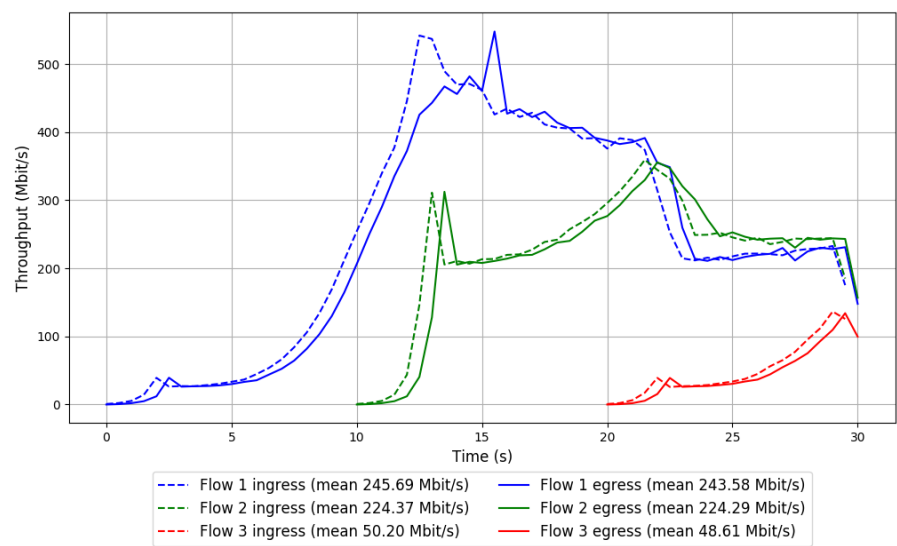
-- Flow 3:

Average throughput: 48.61 Mbit/s

95th percentile per-packet one-way delay: 61.116 ms

Loss rate: 4.39%

Run 2: Report of PCC-Vivace — Data Link

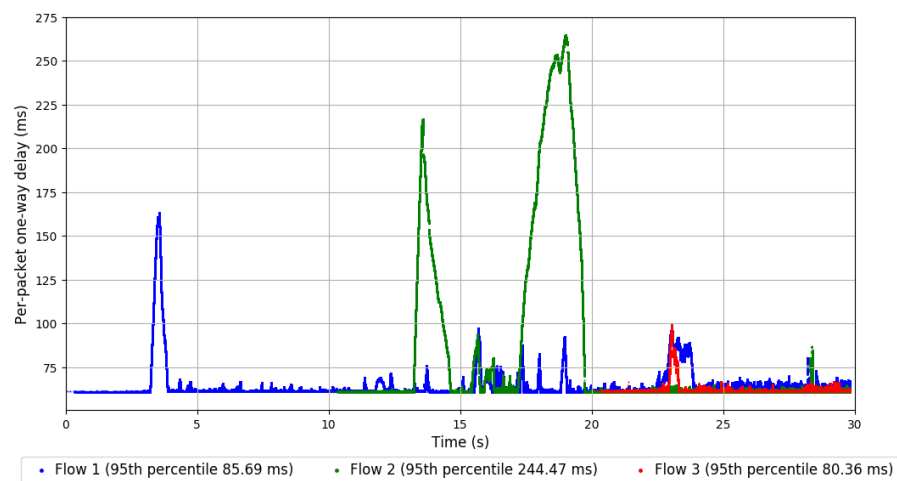
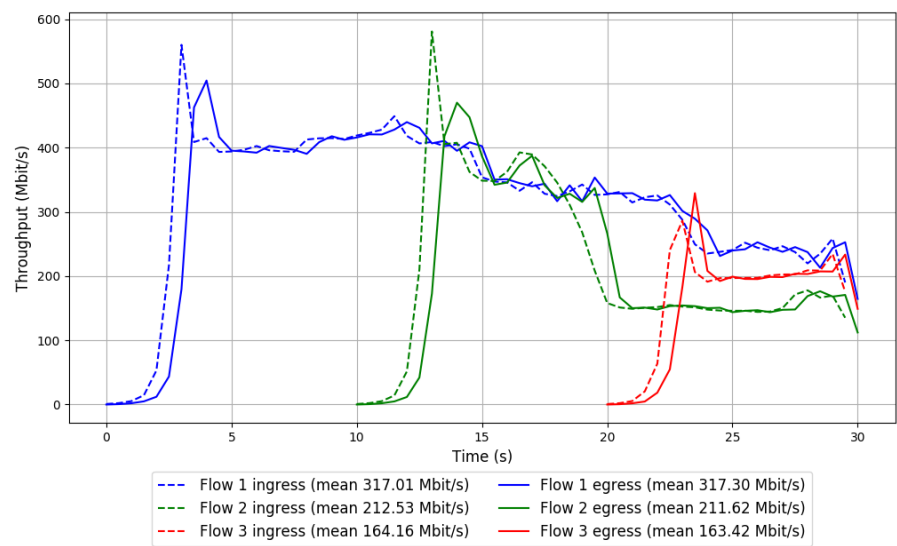


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-19 18:27:59
End at: 2018-07-19 18:28:30
Local clock offset: 0.005 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2018-07-20 01:12:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 511.28 Mbit/s
95th percentile per-packet one-way delay: 160.027 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 317.30 Mbit/s
95th percentile per-packet one-way delay: 85.685 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 211.62 Mbit/s
95th percentile per-packet one-way delay: 244.465 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 163.42 Mbit/s
95th percentile per-packet one-way delay: 80.362 ms
Loss rate: 1.69%

Run 3: Report of PCC-Vivace — Data Link

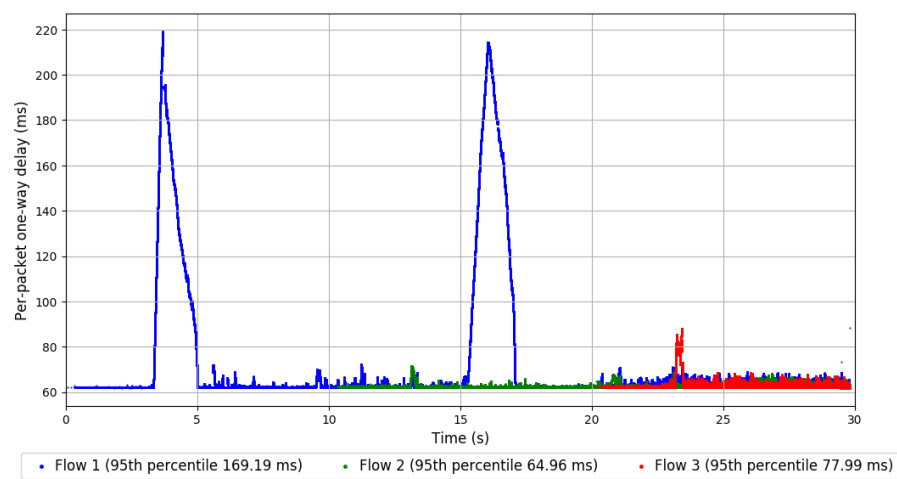
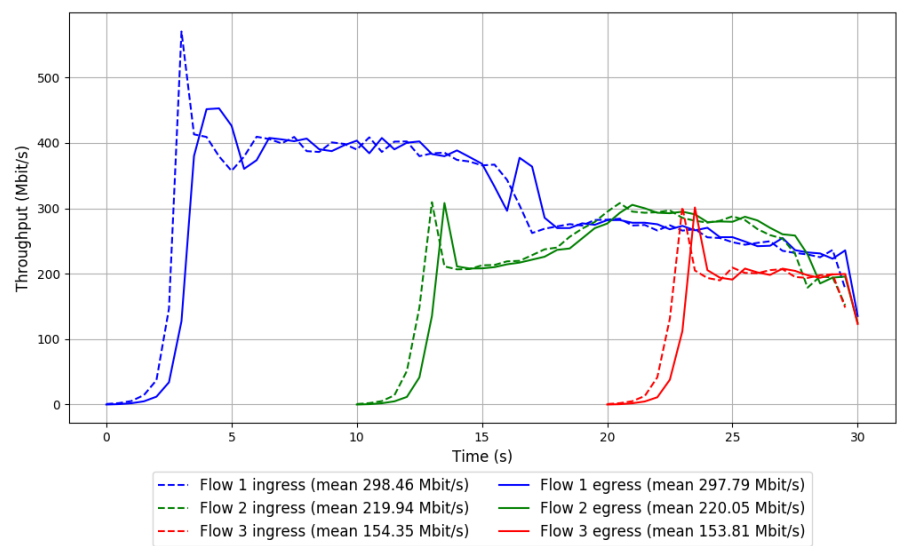


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-19 18:53:24
End at: 2018-07-19 18:53:54
Local clock offset: -0.008 ms
Remote clock offset: -1.236 ms

Below is generated by plot.py at 2018-07-20 01:13:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 494.12 Mbit/s
95th percentile per-packet one-way delay: 137.227 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 297.79 Mbit/s
95th percentile per-packet one-way delay: 169.192 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 220.05 Mbit/s
95th percentile per-packet one-way delay: 64.961 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 153.81 Mbit/s
95th percentile per-packet one-way delay: 77.989 ms
Loss rate: 1.60%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-19 19:18:49

End at: 2018-07-19 19:19:19

Local clock offset: 0.115 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-20 01:14:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 499.17 Mbit/s

95th percentile per-packet one-way delay: 202.779 ms

Loss rate: 1.67%

-- Flow 1:

Average throughput: 306.99 Mbit/s

95th percentile per-packet one-way delay: 255.881 ms

Loss rate: 2.07%

-- Flow 2:

Average throughput: 207.32 Mbit/s

95th percentile per-packet one-way delay: 65.927 ms

Loss rate: 0.76%

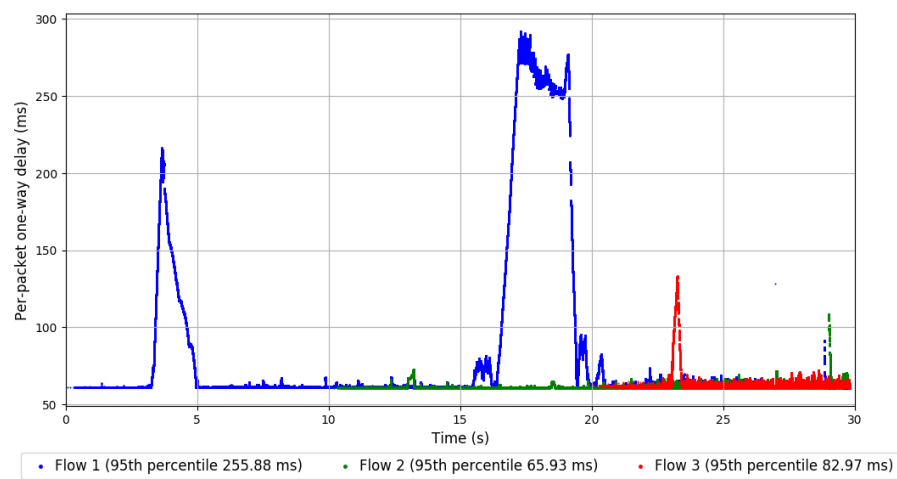
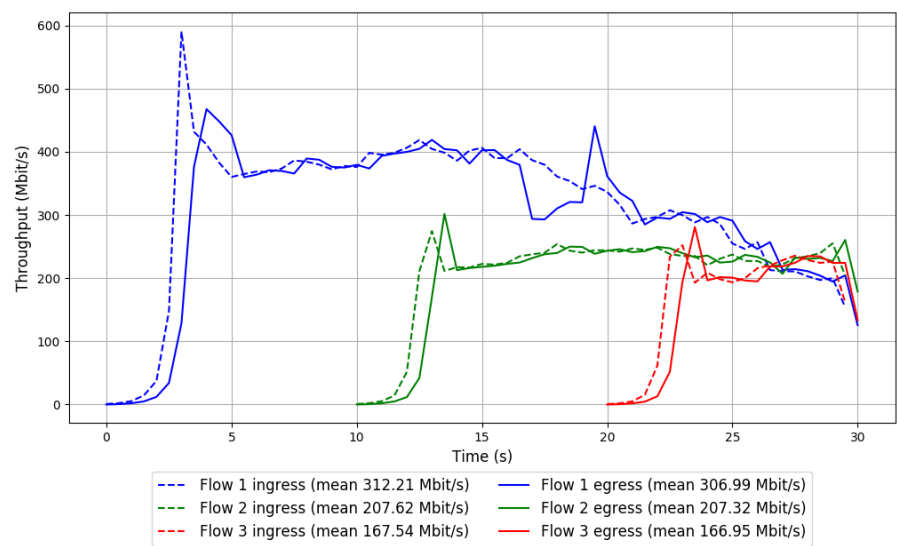
-- Flow 3:

Average throughput: 166.95 Mbit/s

95th percentile per-packet one-way delay: 82.968 ms

Loss rate: 1.69%

Run 5: Report of PCC-Vivace — Data Link

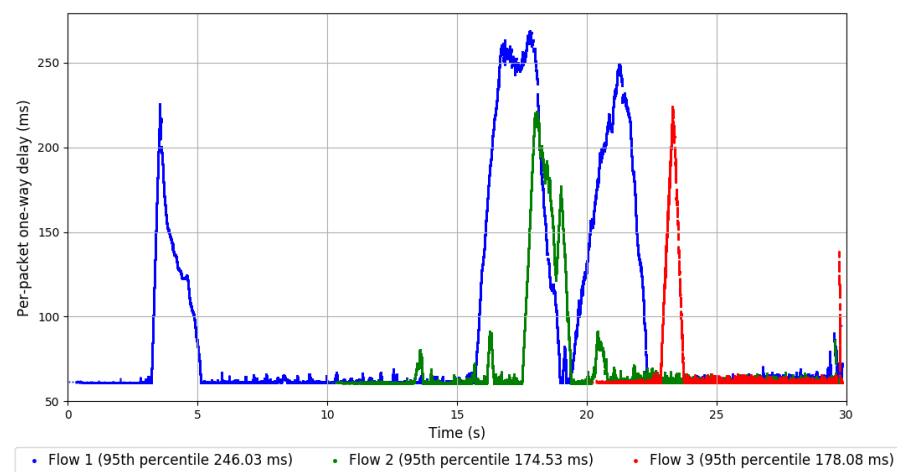
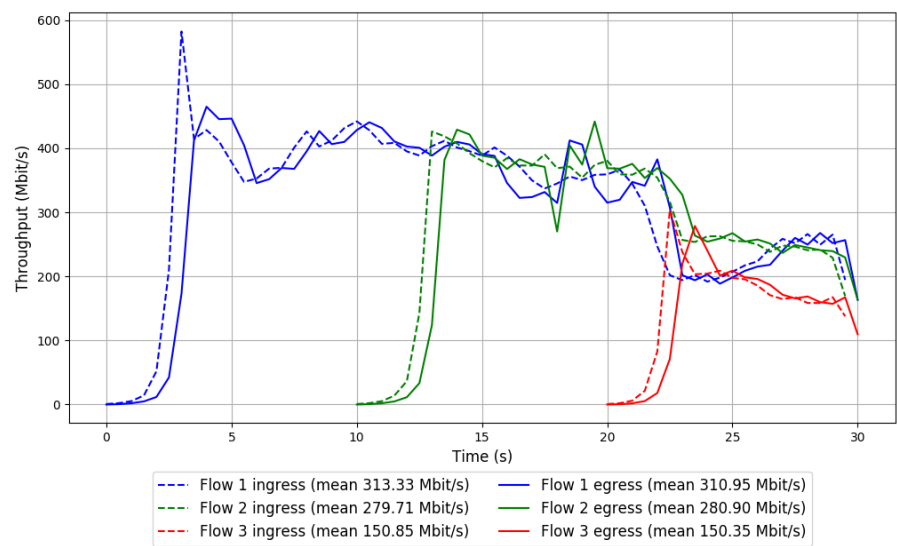


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-19 19:44:23
End at: 2018-07-19 19:44:53
Local clock offset: 0.202 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-20 01:15:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 546.53 Mbit/s
95th percentile per-packet one-way delay: 218.122 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 310.95 Mbit/s
95th percentile per-packet one-way delay: 246.031 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 280.90 Mbit/s
95th percentile per-packet one-way delay: 174.530 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 150.35 Mbit/s
95th percentile per-packet one-way delay: 178.077 ms
Loss rate: 1.62%

Run 6: Report of PCC-Vivace — Data Link

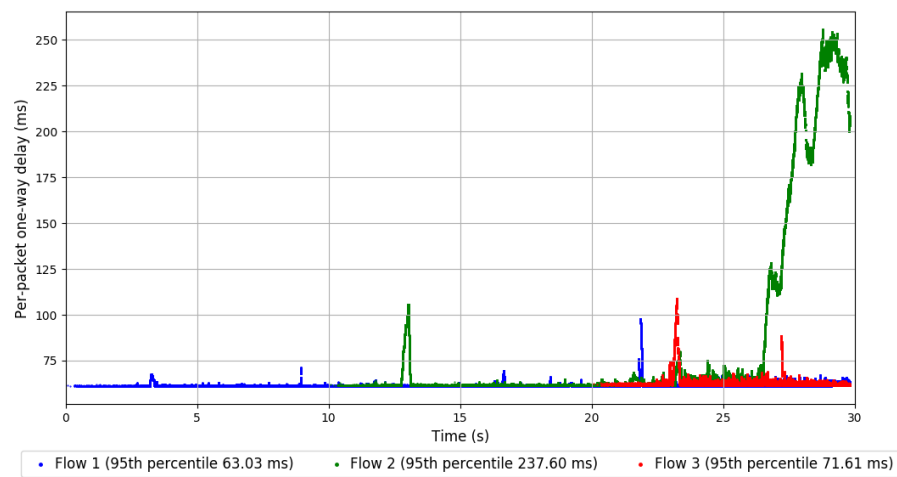
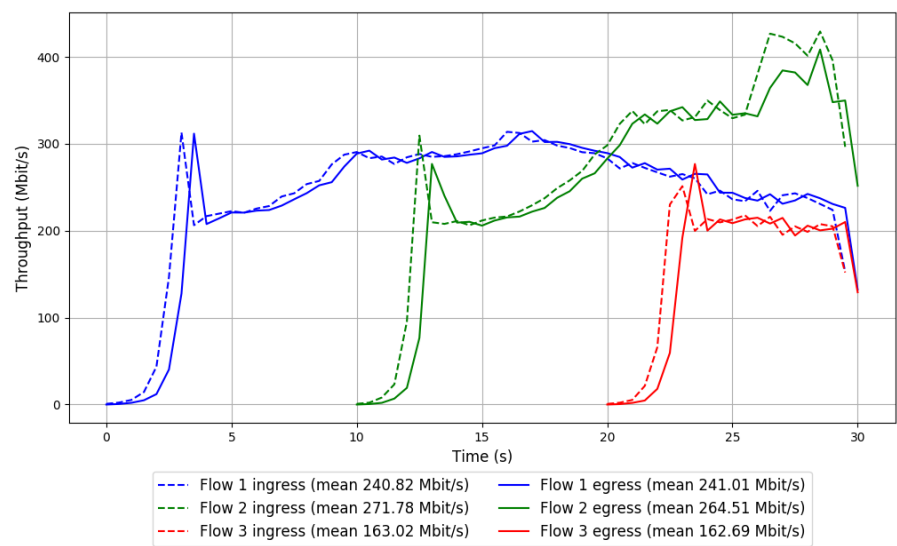


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-19 20:09:54
End at: 2018-07-19 20:10:24
Local clock offset: 0.235 ms
Remote clock offset: -0.217 ms

Below is generated by plot.py at 2018-07-20 01:15:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 469.77 Mbit/s
95th percentile per-packet one-way delay: 190.569 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 241.01 Mbit/s
95th percentile per-packet one-way delay: 63.035 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 264.51 Mbit/s
95th percentile per-packet one-way delay: 237.602 ms
Loss rate: 3.29%
-- Flow 3:
Average throughput: 162.69 Mbit/s
95th percentile per-packet one-way delay: 71.610 ms
Loss rate: 1.46%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-19 20:35:28

End at: 2018-07-19 20:35:58

Local clock offset: 0.325 ms

Remote clock offset: 0.122 ms

Below is generated by plot.py at 2018-07-20 01:15:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 455.73 Mbit/s

95th percentile per-packet one-way delay: 112.980 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 331.95 Mbit/s

95th percentile per-packet one-way delay: 133.244 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 144.99 Mbit/s

95th percentile per-packet one-way delay: 64.950 ms

Loss rate: 0.64%

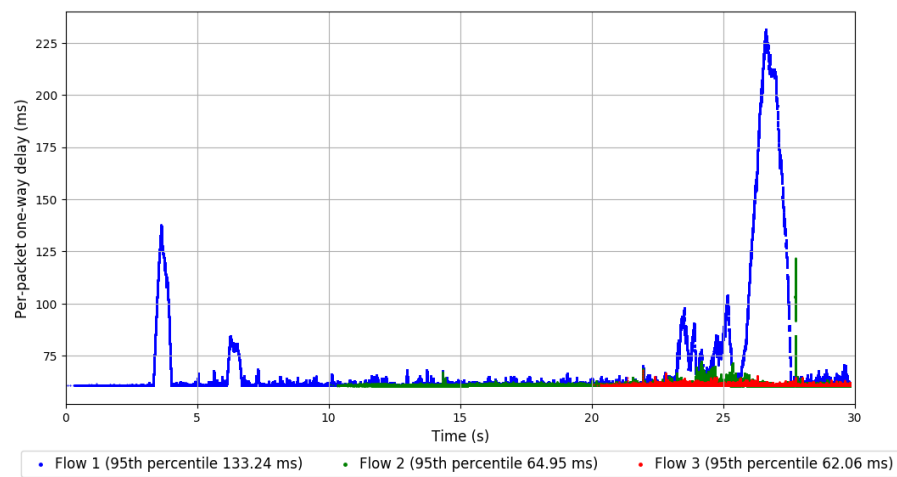
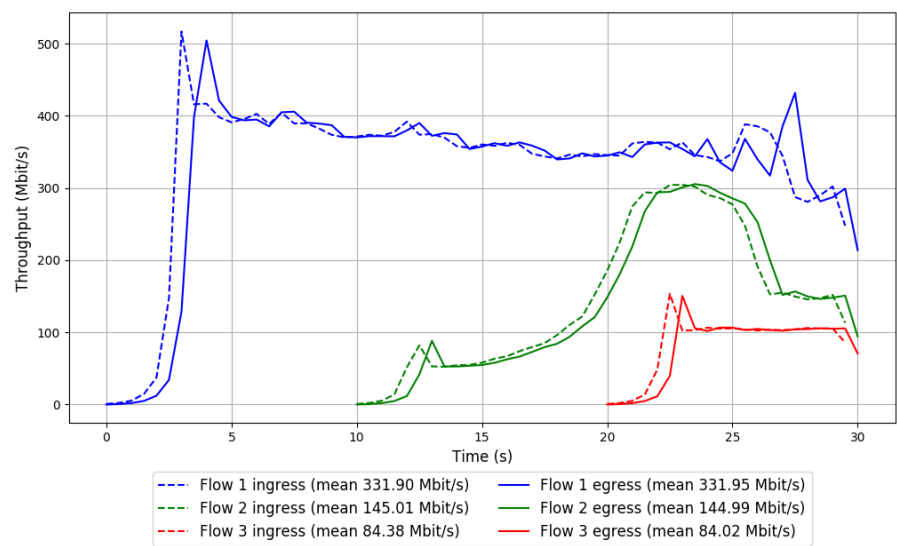
-- Flow 3:

Average throughput: 84.02 Mbit/s

95th percentile per-packet one-way delay: 62.059 ms

Loss rate: 1.67%

Run 8: Report of PCC-Vivace — Data Link

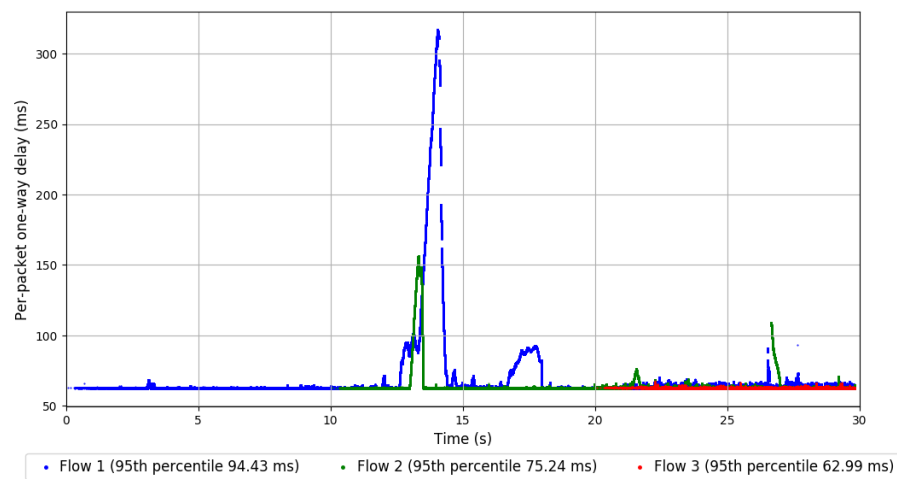
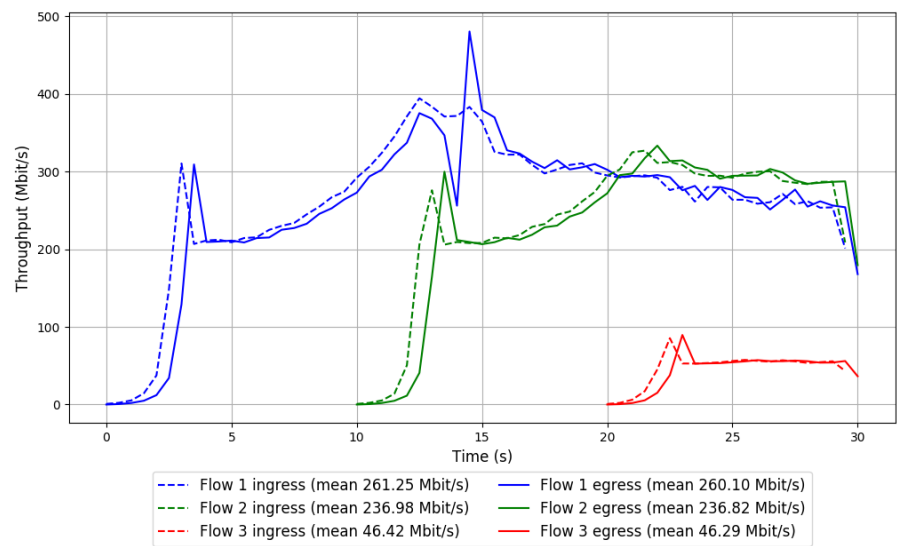


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-19 21:00:40
End at: 2018-07-19 21:01:10
Local clock offset: 0.306 ms
Remote clock offset: -1.437 ms

Below is generated by plot.py at 2018-07-20 01:15:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 432.42 Mbit/s
95th percentile per-packet one-way delay: 91.261 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 260.10 Mbit/s
95th percentile per-packet one-way delay: 94.427 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 236.82 Mbit/s
95th percentile per-packet one-way delay: 75.241 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 46.29 Mbit/s
95th percentile per-packet one-way delay: 62.991 ms
Loss rate: 1.51%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-19 21:26:09

End at: 2018-07-19 21:26:39

Local clock offset: 0.399 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-07-20 01:16:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 493.10 Mbit/s

95th percentile per-packet one-way delay: 70.911 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 320.02 Mbit/s

95th percentile per-packet one-way delay: 76.156 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 218.39 Mbit/s

95th percentile per-packet one-way delay: 63.276 ms

Loss rate: 0.52%

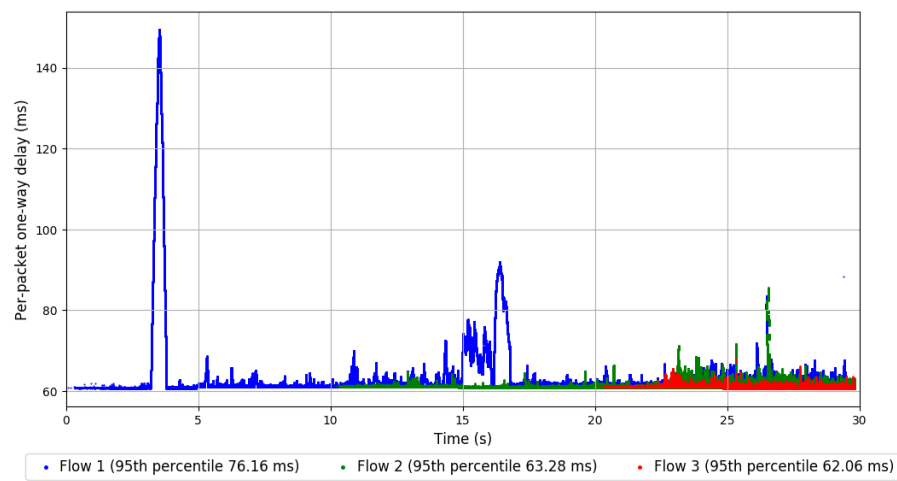
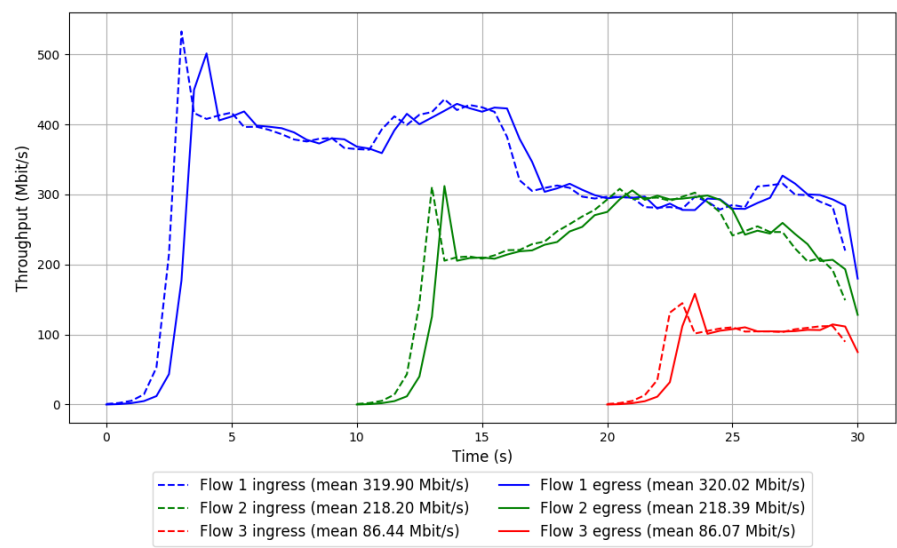
-- Flow 3:

Average throughput: 86.07 Mbit/s

95th percentile per-packet one-way delay: 62.065 ms

Loss rate: 1.68%

Run 10: Report of PCC-Vivace — Data Link

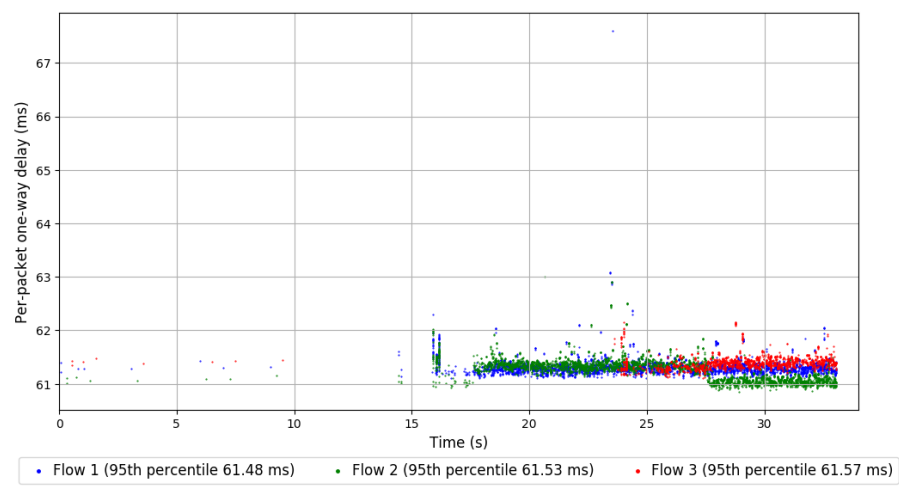
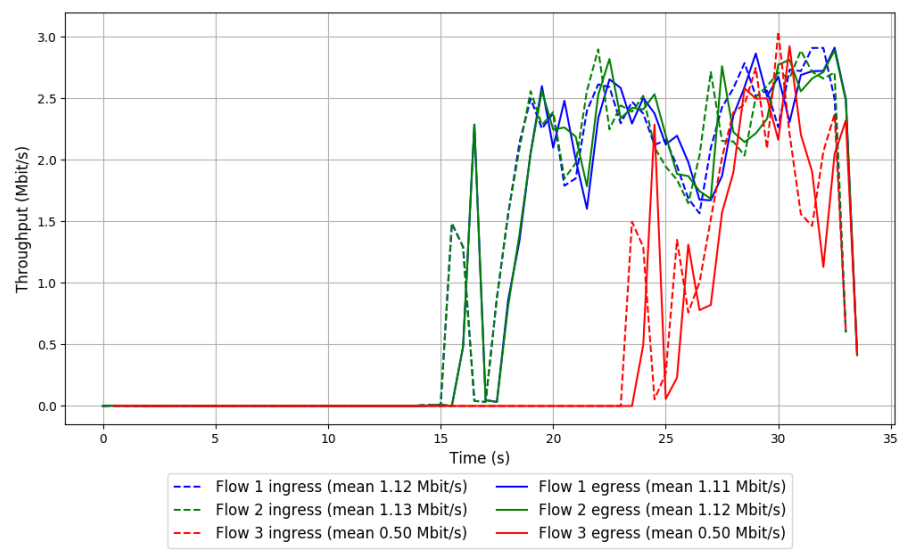


Run 1: Statistics of WebRTC media

Start at: 2018-07-19 17:23:49
End at: 2018-07-19 17:24:19
Local clock offset: -0.04 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2018-07-20 01:16:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.72 Mbit/s
95th percentile per-packet one-way delay: 61.527 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 61.482 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 61.528 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 61.572 ms
Loss rate: 1.85%

Run 1: Report of WebRTC media — Data Link

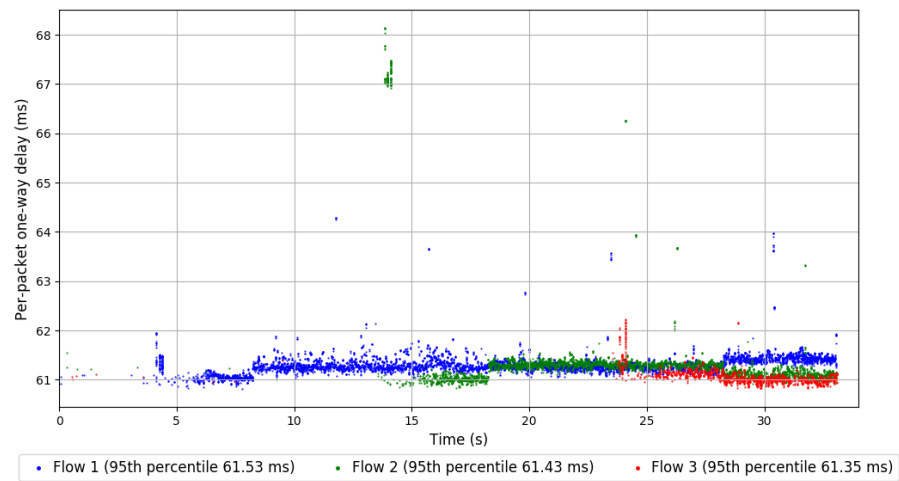
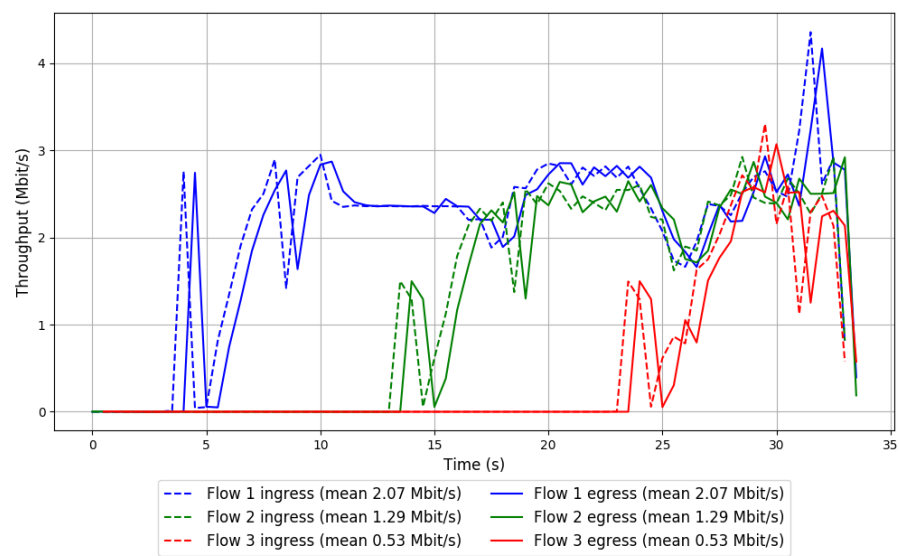


Run 2: Statistics of WebRTC media

Start at: 2018-07-19 17:49:08
End at: 2018-07-19 17:49:38
Local clock offset: 0.001 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-20 01:16:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 61.508 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 61.526 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 61.426 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 61.348 ms
Loss rate: 1.01%

Run 2: Report of WebRTC media — Data Link

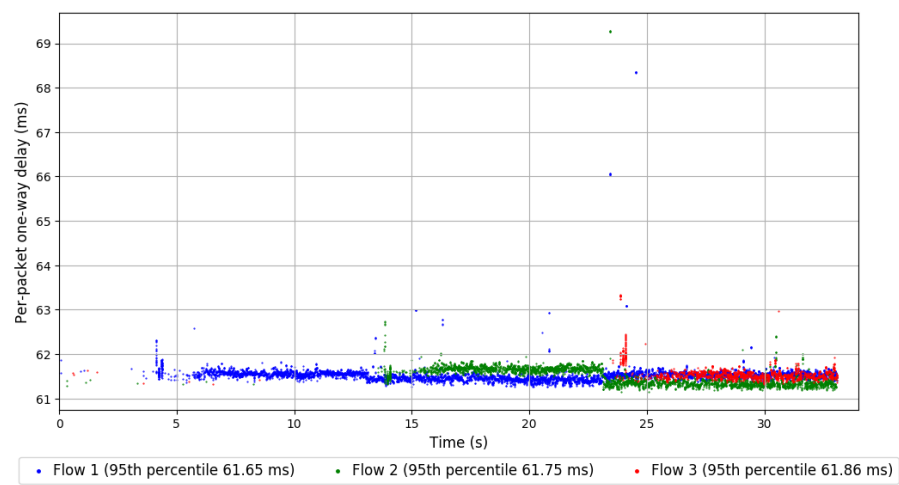
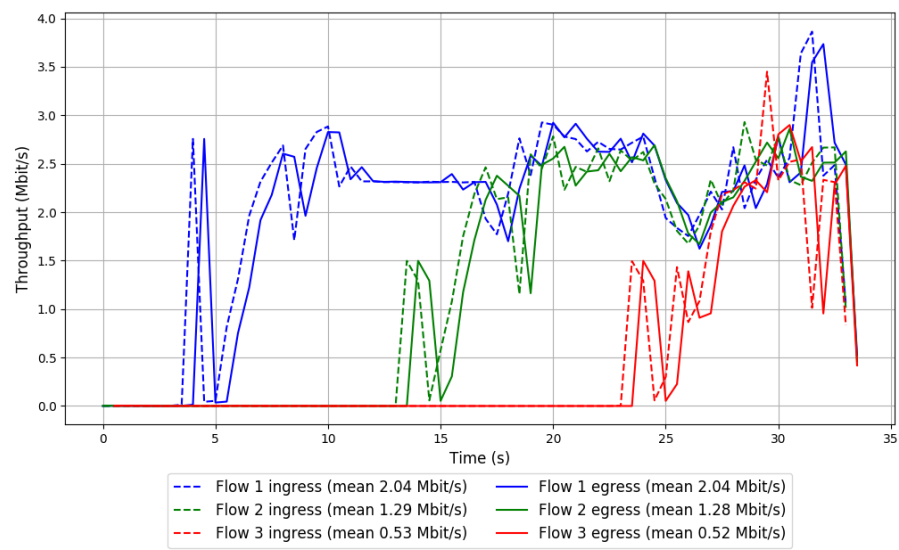


Run 3: Statistics of WebRTC media

Start at: 2018-07-19 18:13:54
End at: 2018-07-19 18:14:24
Local clock offset: -0.074 ms
Remote clock offset: -0.411 ms

Below is generated by plot.py at 2018-07-20 01:16:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.82 Mbit/s
95th percentile per-packet one-way delay: 61.722 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 61.651 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 61.750 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 61.864 ms
Loss rate: 1.73%

Run 3: Report of WebRTC media — Data Link

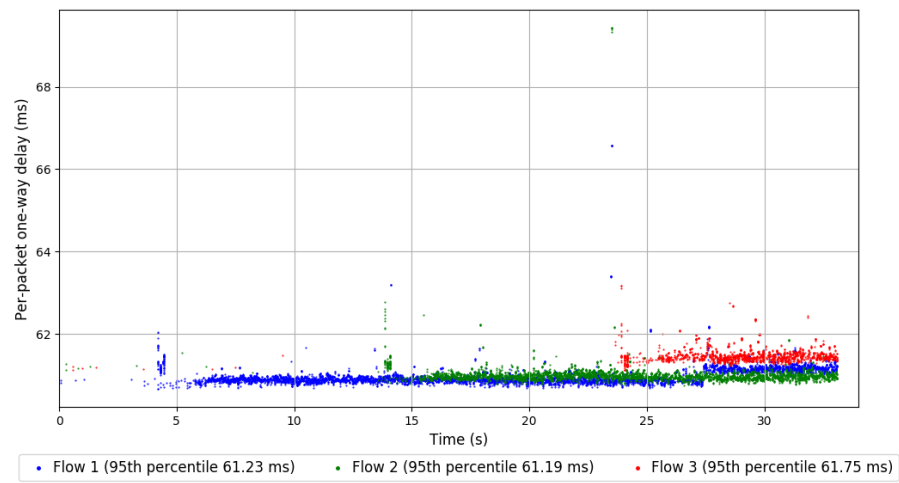
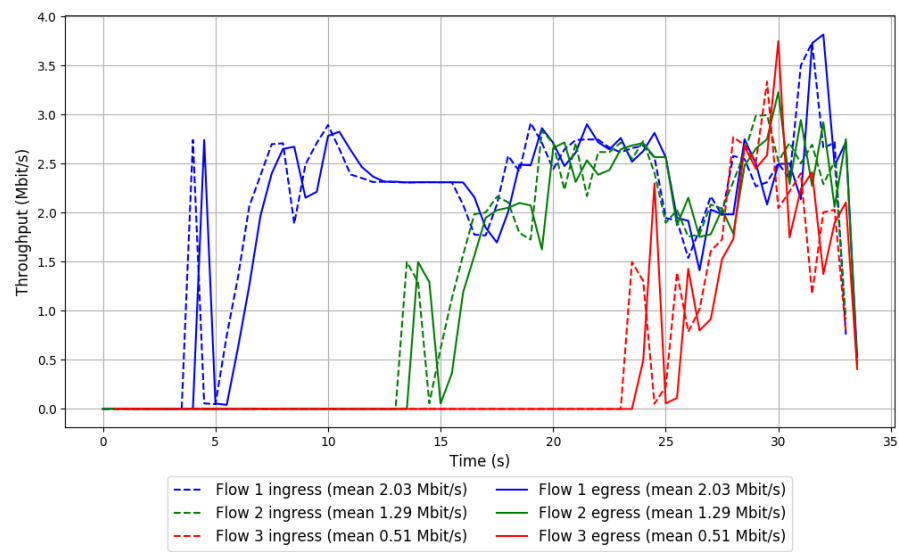


Run 4: Statistics of WebRTC media

Start at: 2018-07-19 18:39:07
End at: 2018-07-19 18:39:37
Local clock offset: -0.054 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-07-20 01:16:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.81 Mbit/s
95th percentile per-packet one-way delay: 61.475 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 61.229 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 61.186 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 61.754 ms
Loss rate: 1.68%

Run 4: Report of WebRTC media — Data Link

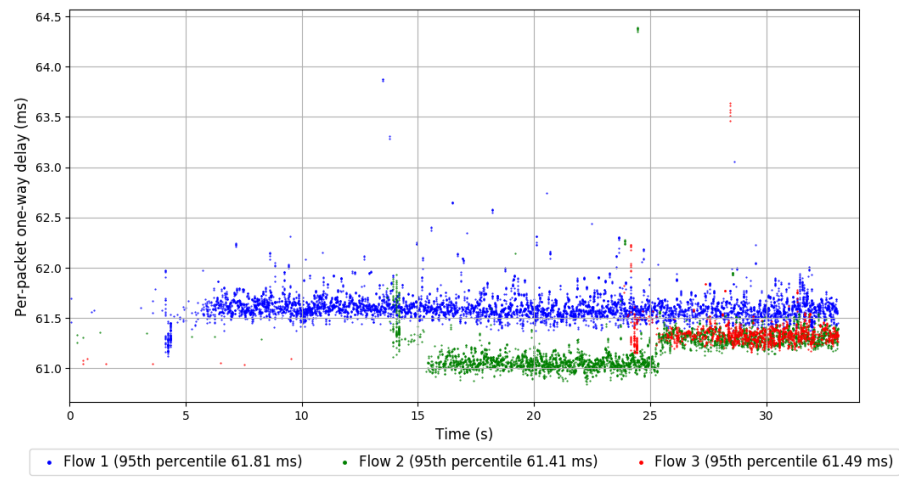
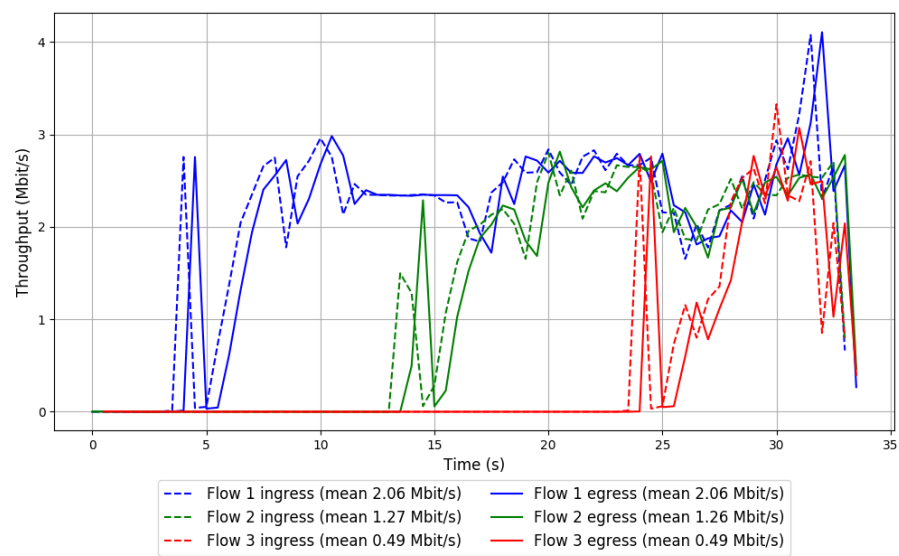


Run 5: Statistics of WebRTC media

Start at: 2018-07-19 19:04:31
End at: 2018-07-19 19:05:01
Local clock offset: 0.072 ms
Remote clock offset: -0.169 ms

Below is generated by plot.py at 2018-07-20 01:16:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.78 Mbit/s
95th percentile per-packet one-way delay: 61.745 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 61.806 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 61.411 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 61.494 ms
Loss rate: 1.95%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

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

End at: 2018-07-19 19:30:33

Local clock offset: 0.171 ms

Remote clock offset: 0.085 ms

Below is generated by plot.py at 2018-07-20 01:16:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.88 Mbit/s

95th percentile per-packet one-way delay: 61.320 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 61.297 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 61.325 ms

Loss rate: 0.71%

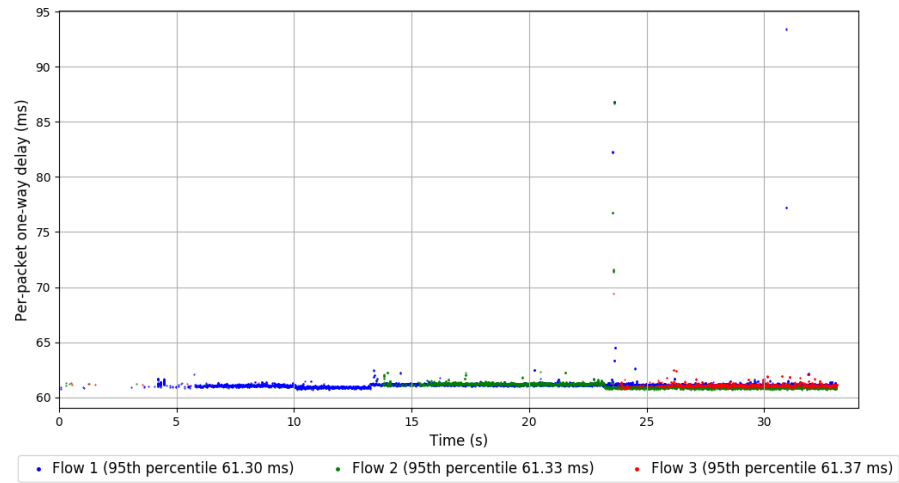
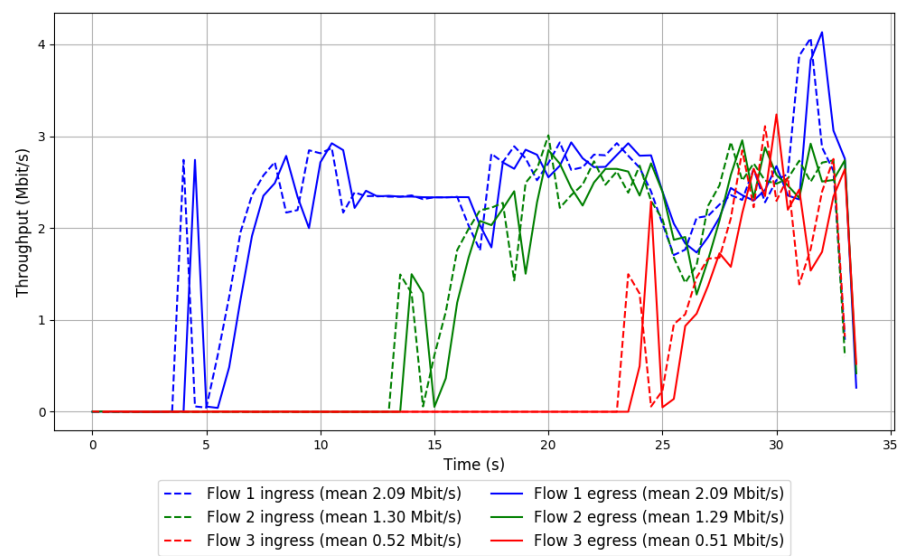
-- Flow 3:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 61.369 ms

Loss rate: 2.06%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-19 19:55:37

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

Local clock offset: 0.218 ms

Remote clock offset: 0.127 ms

Below is generated by plot.py at 2018-07-20 01:16:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.85 Mbit/s

95th percentile per-packet one-way delay: 61.383 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 61.339 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 61.497 ms

Loss rate: 0.69%

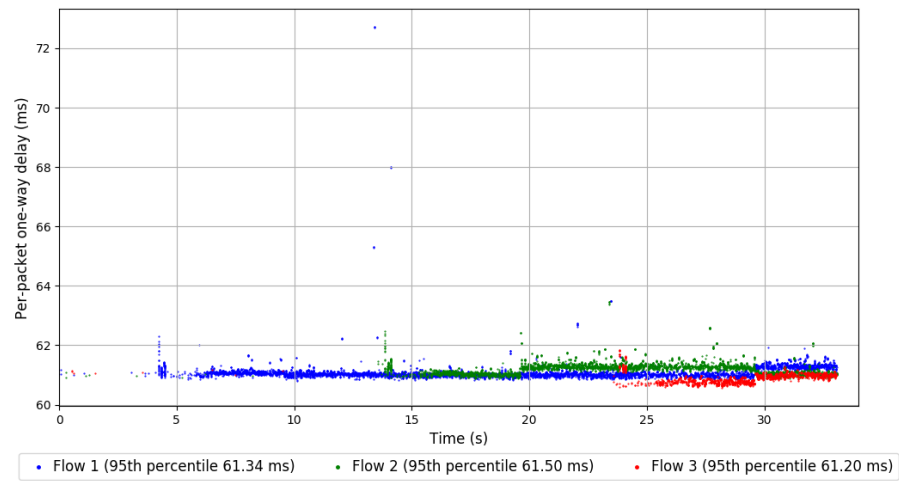
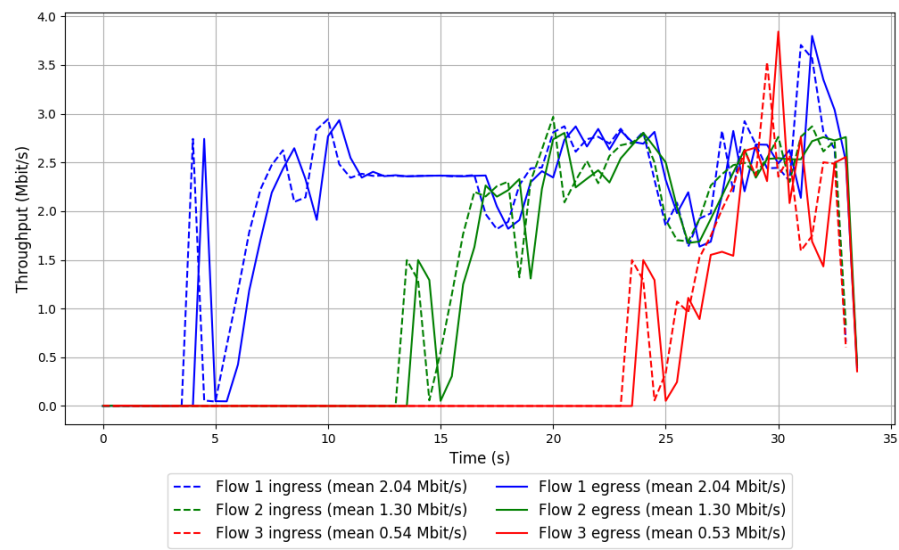
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 61.195 ms

Loss rate: 1.65%

Run 7: Report of WebRTC media — Data Link

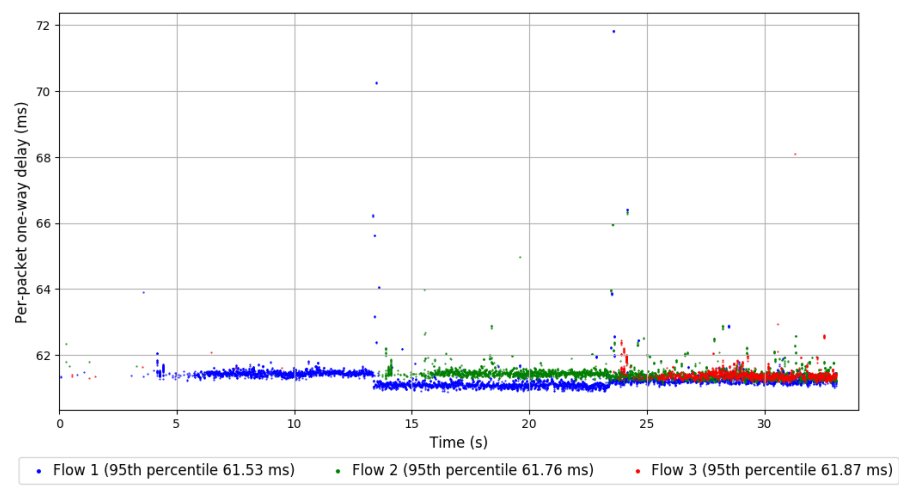
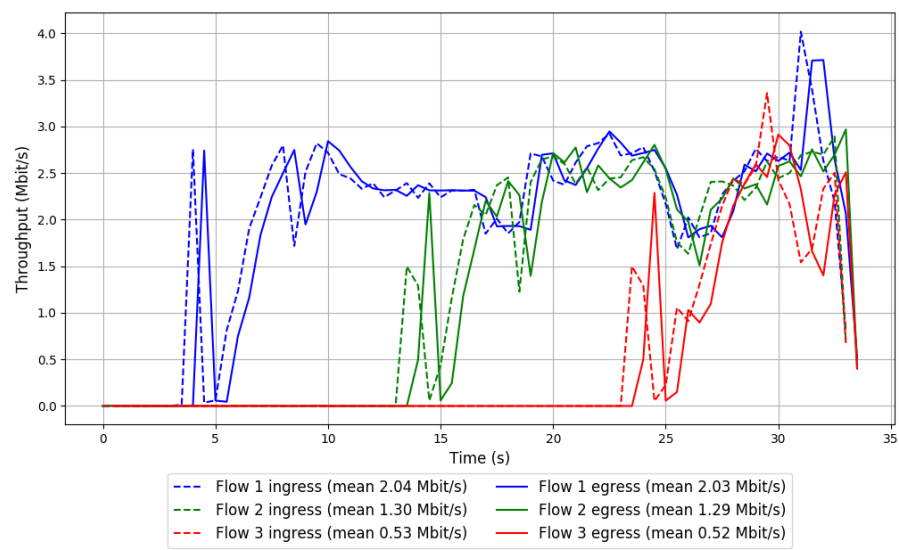


Run 8: Statistics of WebRTC media

Start at: 2018-07-19 20:21:03
End at: 2018-07-19 20:21:33
Local clock offset: 0.295 ms
Remote clock offset: -0.199 ms

Below is generated by plot.py at 2018-07-20 01:16:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 61.618 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 61.531 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 61.755 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 61.867 ms
Loss rate: 1.97%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-19 20:46:28

End at: 2018-07-19 20:46:58

Local clock offset: 0.32 ms

Remote clock offset: -0.17 ms

Below is generated by plot.py at 2018-07-20 01:16:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.82 Mbit/s

95th percentile per-packet one-way delay: 61.485 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 61.385 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 1.28 Mbit/s

95th percentile per-packet one-way delay: 61.511 ms

Loss rate: 0.72%

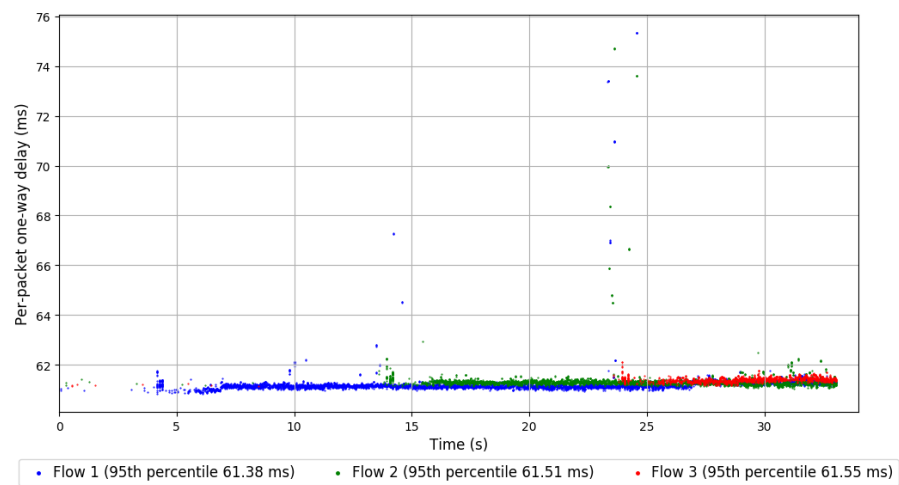
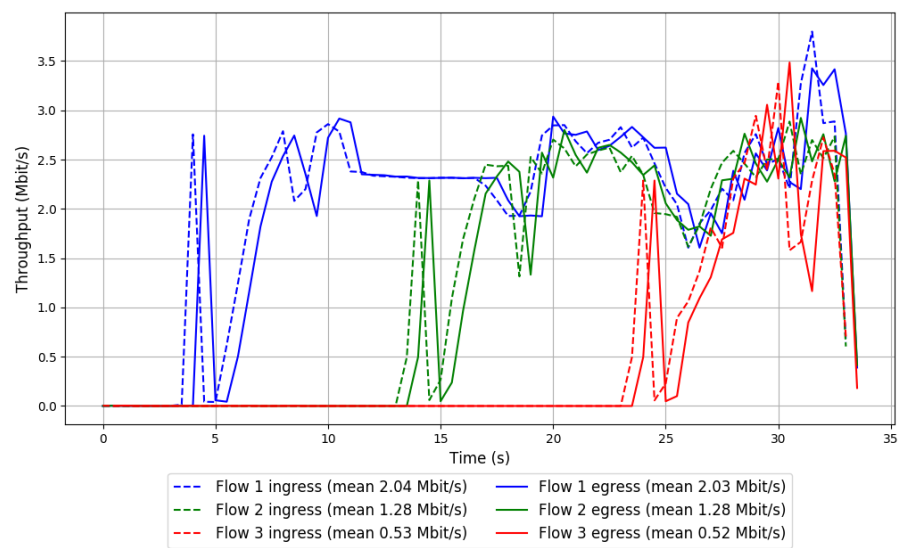
-- Flow 3:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 61.553 ms

Loss rate: 2.03%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-19 21:11:50

End at: 2018-07-19 21:12:20

Local clock offset: 0.399 ms

Remote clock offset: 1.292 ms

Below is generated by plot.py at 2018-07-20 01:16:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.85 Mbit/s

95th percentile per-packet one-way delay: 60.245 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 60.173 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 60.298 ms

Loss rate: 0.71%

-- Flow 3:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 60.152 ms

Loss rate: 1.69%

Run 10: Report of WebRTC media — Data Link

