

Pantheon Report

Generated at 2018-07-05 12:46:37 (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.

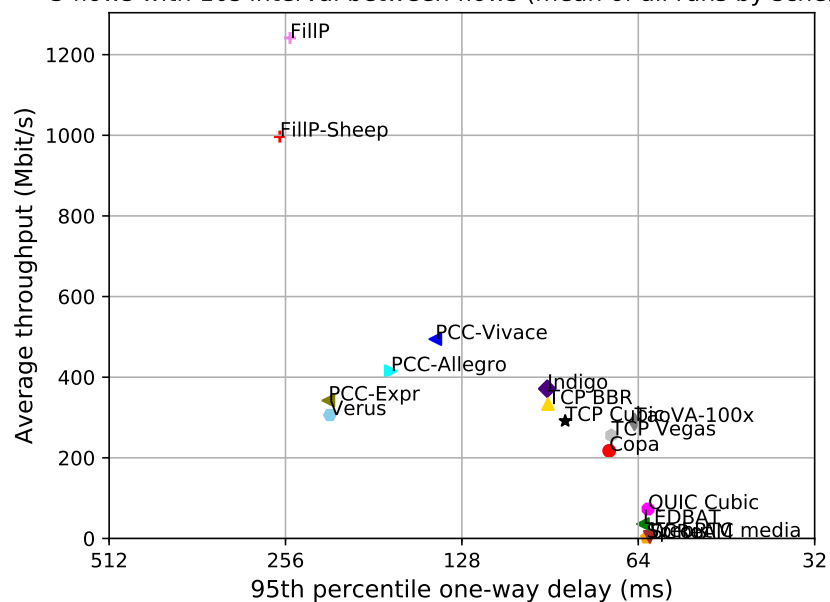
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

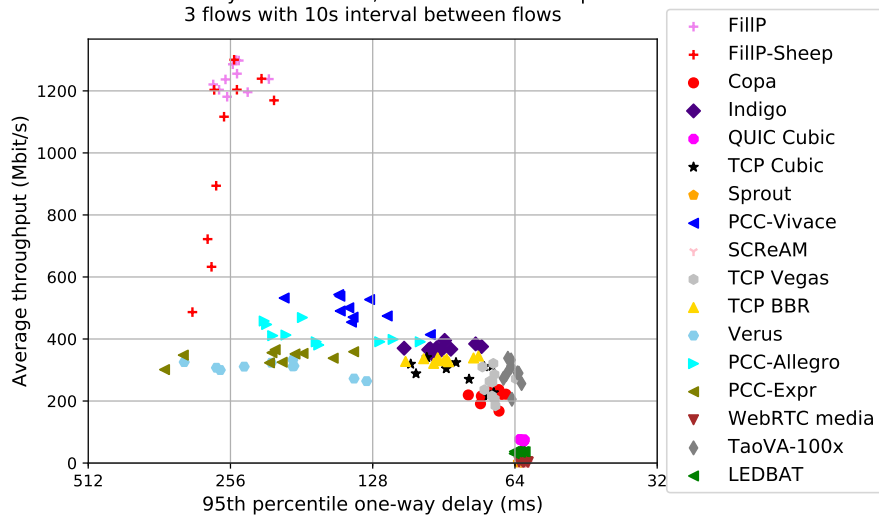
Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
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



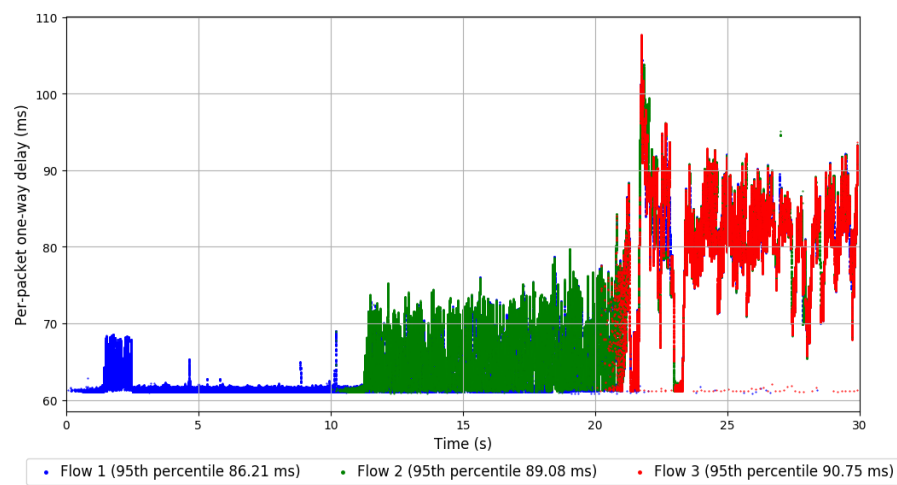
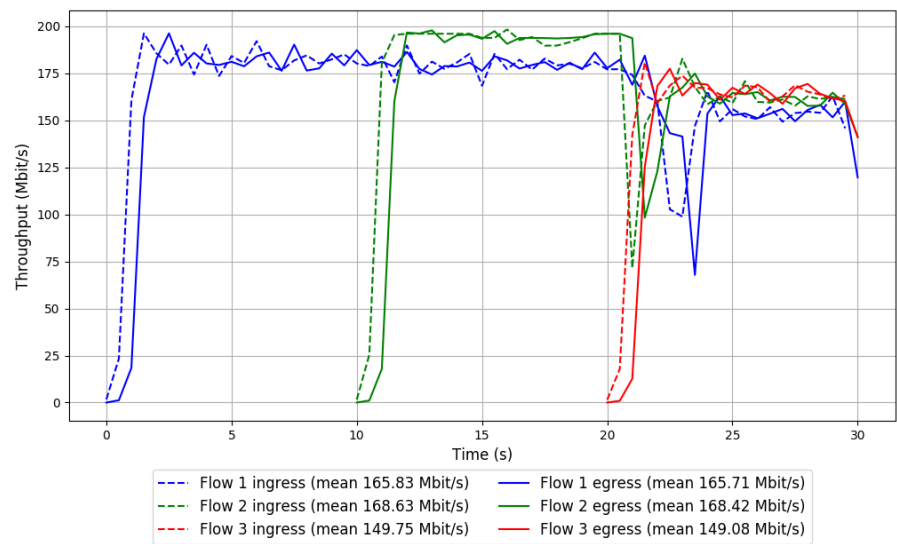
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	172.77	166.28	151.55	88.75	91.38	94.51	0.48	0.72	1.64
Copa	10	125.80	104.20	75.75	71.37	73.37	67.71	0.38	0.60	1.36
TCP Cubic	10	164.81	143.58	94.96	84.17	84.45	85.43	0.44	1.05	2.91
FillP	10	672.06	598.04	524.03	254.13	250.30	223.40	5.58	7.33	7.75
FillP-Sheep	10	485.30	516.75	513.18	259.17	263.00	237.97	9.73	10.38	8.71
Indigo	10	204.36	191.34	120.49	88.27	91.77	95.51	0.39	0.62	1.52
LEDBAT	10	22.89	15.89	7.54	62.96	62.72	62.40	0.83	1.23	2.53
PCC-Allegro	10	375.61	41.09	37.10	169.15	164.55	151.16	1.21	1.23	1.91
PCC-Expr	10	238.83	141.99	27.75	220.42	166.30	164.19	5.47	3.37	5.00
QUIC Cubic	10	44.51	33.09	18.55	61.56	61.53	61.65	0.61	0.89	0.71
SCReAM	10	0.22	0.22	0.22	61.08	60.95	60.95	0.38	0.61	1.12
Sprout	10	0.96	0.76	0.96	62.45	61.78	61.79	0.38	0.35	0.94
TaoVA-100x	10	163.98	148.03	84.74	64.90	64.85	65.14	0.36	0.72	2.01
TCP Vegas	10	158.29	120.85	51.55	70.81	68.91	68.05	0.39	0.70	1.86
Verus	10	184.58	146.78	79.73	206.36	192.13	217.29	2.36	3.50	4.95
PCC-Vivace	10	286.12	261.95	105.36	146.54	128.80	78.82	0.58	0.73	2.12
WebRTC media	10	1.95	1.29	0.52	61.13	61.16	61.11	0.49	0.81	2.03

Run 1: Statistics of TCP BBR

Start at: 2018-07-05 05:09:27
End at: 2018-07-05 05:09:57
Local clock offset: 0.375 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-07-05 09:41:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 326.80 Mbit/s
95th percentile per-packet one-way delay: 88.448 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 165.71 Mbit/s
95th percentile per-packet one-way delay: 86.214 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 168.42 Mbit/s
95th percentile per-packet one-way delay: 89.080 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 149.08 Mbit/s
95th percentile per-packet one-way delay: 90.754 ms
Loss rate: 1.67%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-05 05:34:32

End at: 2018-07-05 05:35:02

Local clock offset: -0.042 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-07-05 09:42:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 339.47 Mbit/s

95th percentile per-packet one-way delay: 93.272 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 174.17 Mbit/s

95th percentile per-packet one-way delay: 90.132 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 169.36 Mbit/s

95th percentile per-packet one-way delay: 93.095 ms

Loss rate: 0.53%

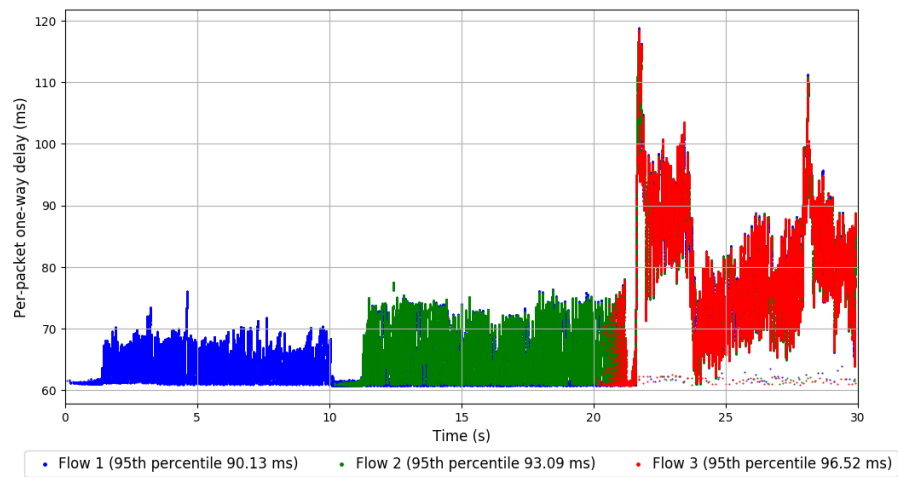
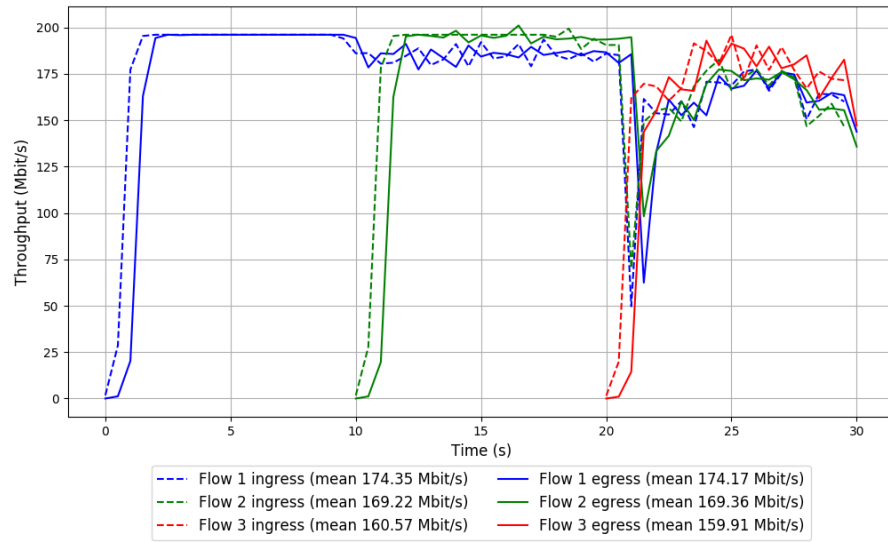
-- Flow 3:

Average throughput: 159.91 Mbit/s

95th percentile per-packet one-way delay: 96.516 ms

Loss rate: 1.53%

Run 2: Report of TCP BBR — Data Link

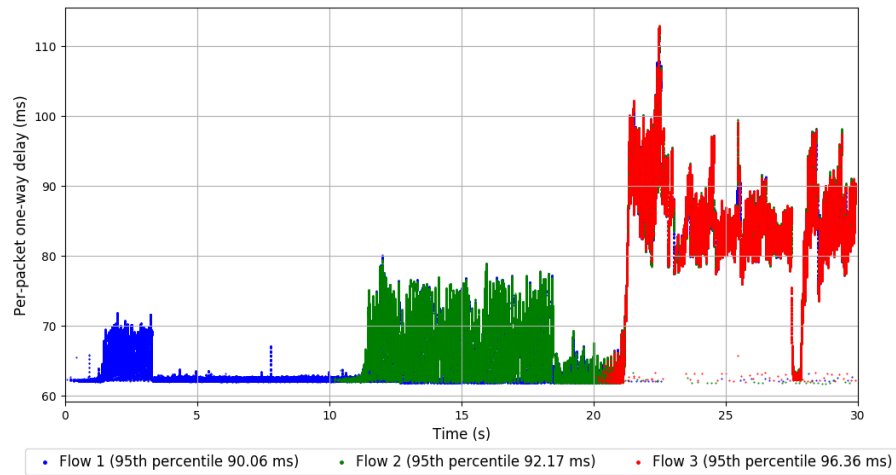
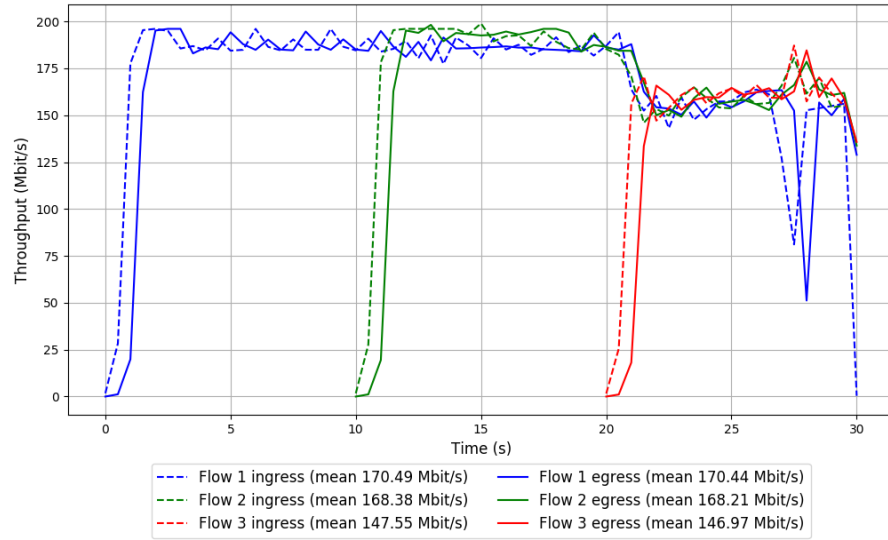


Run 3: Statistics of TCP BBR

Start at: 2018-07-05 05:59:23
End at: 2018-07-05 05:59:53
Local clock offset: -0.036 ms
Remote clock offset: -1.046 ms

Below is generated by plot.py at 2018-07-05 09:42:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 330.69 Mbit/s
95th percentile per-packet one-way delay: 92.537 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 170.44 Mbit/s
95th percentile per-packet one-way delay: 90.062 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 168.21 Mbit/s
95th percentile per-packet one-way delay: 92.167 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 146.97 Mbit/s
95th percentile per-packet one-way delay: 96.362 ms
Loss rate: 1.60%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-05 06:24:45

End at: 2018-07-05 06:25:15

Local clock offset: -0.051 ms

Remote clock offset: 1.337 ms

Below is generated by plot.py at 2018-07-05 09:42:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 338.92 Mbit/s

95th percentile per-packet one-way delay: 78.317 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 174.79 Mbit/s

95th percentile per-packet one-way delay: 76.721 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 167.13 Mbit/s

95th percentile per-packet one-way delay: 78.623 ms

Loss rate: 0.81%

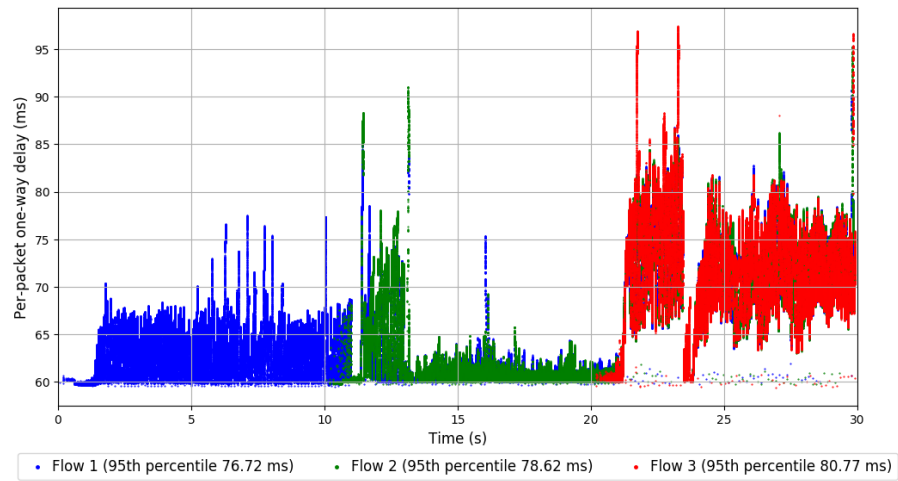
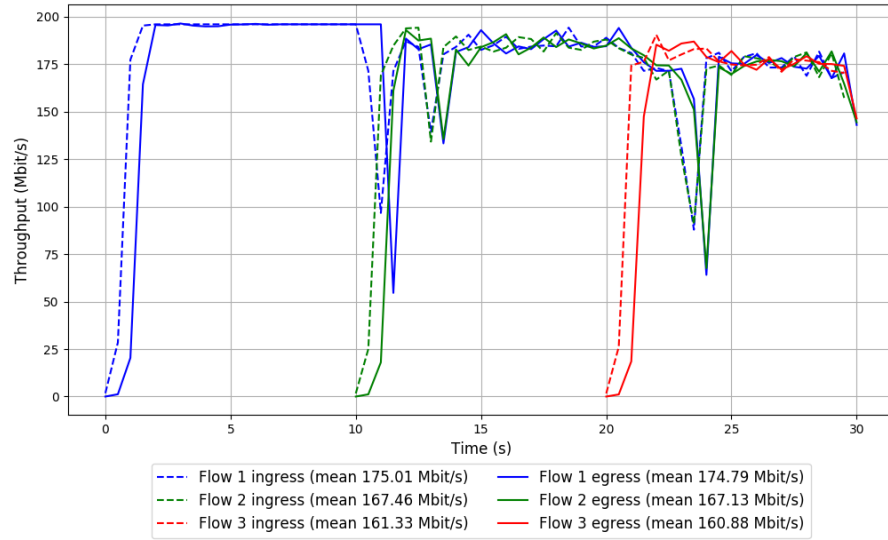
-- Flow 3:

Average throughput: 160.88 Mbit/s

95th percentile per-packet one-way delay: 80.768 ms

Loss rate: 1.51%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-05 06:50:02

End at: 2018-07-05 06:50:32

Local clock offset: -0.072 ms

Remote clock offset: 1.016 ms

Below is generated by plot.py at 2018-07-05 09:42:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 345.02 Mbit/s

95th percentile per-packet one-way delay: 76.448 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 176.64 Mbit/s

95th percentile per-packet one-way delay: 75.584 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 167.99 Mbit/s

95th percentile per-packet one-way delay: 76.821 ms

Loss rate: 0.68%

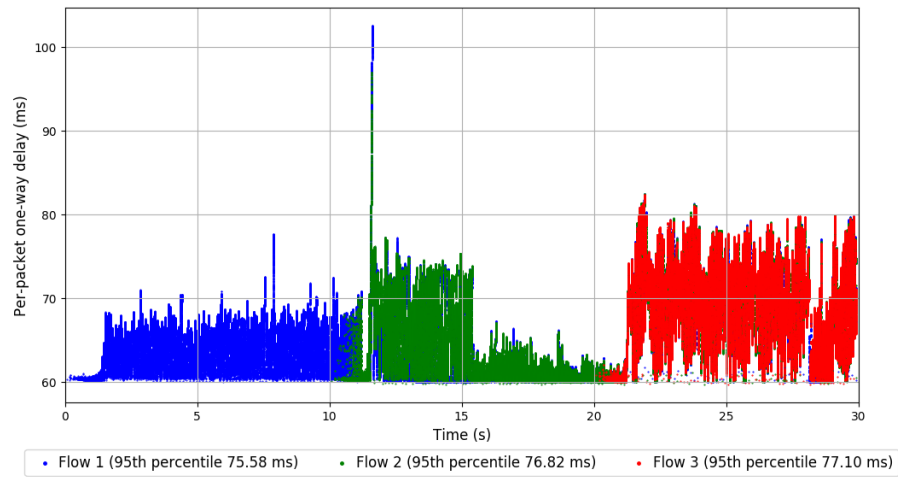
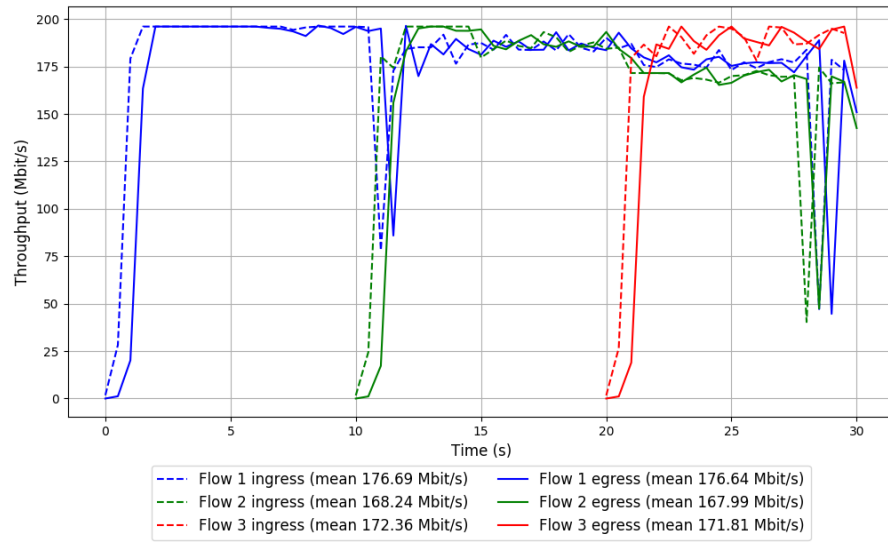
-- Flow 3:

Average throughput: 171.81 Mbit/s

95th percentile per-packet one-way delay: 77.103 ms

Loss rate: 1.55%

Run 5: Report of TCP BBR — Data Link

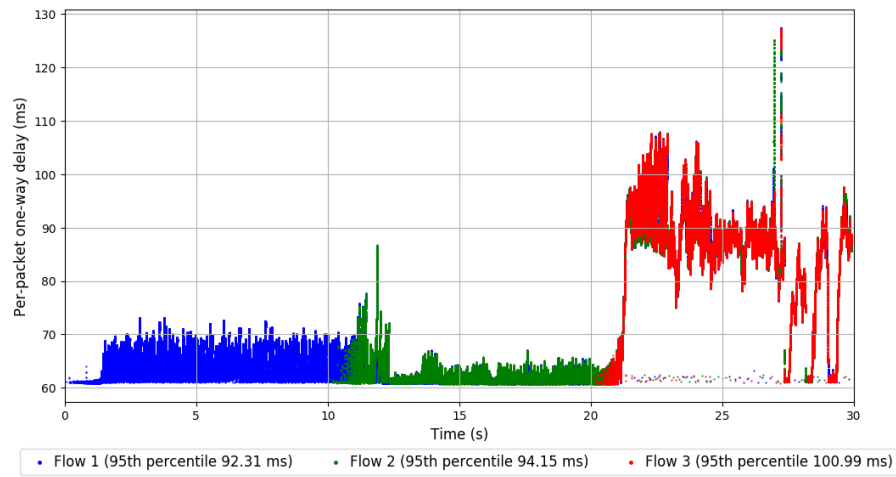
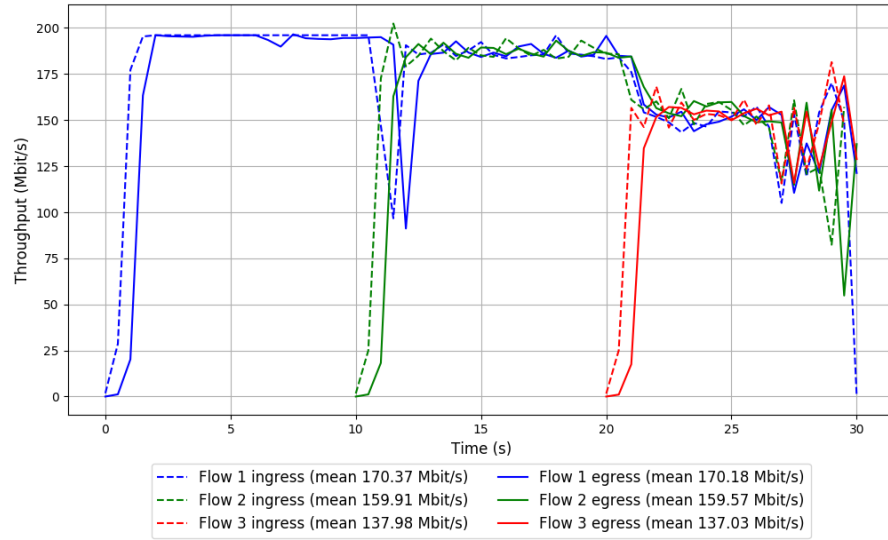


Run 6: Statistics of TCP BBR

Start at: 2018-07-05 07:15:11
End at: 2018-07-05 07:15:42
Local clock offset: -0.058 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-05 09:42:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 321.39 Mbit/s
95th percentile per-packet one-way delay: 95.107 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 170.18 Mbit/s
95th percentile per-packet one-way delay: 92.307 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 159.57 Mbit/s
95th percentile per-packet one-way delay: 94.148 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 137.03 Mbit/s
95th percentile per-packet one-way delay: 100.987 ms
Loss rate: 1.95%

Run 6: Report of TCP BBR — Data Link

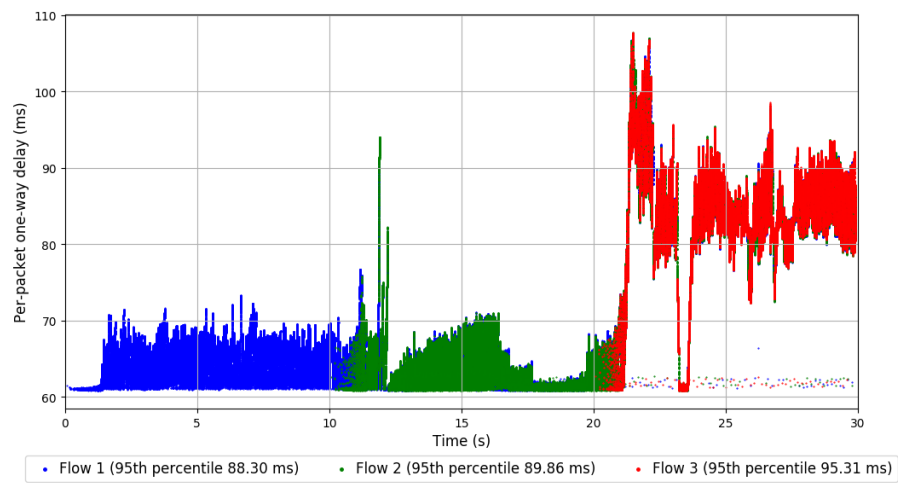
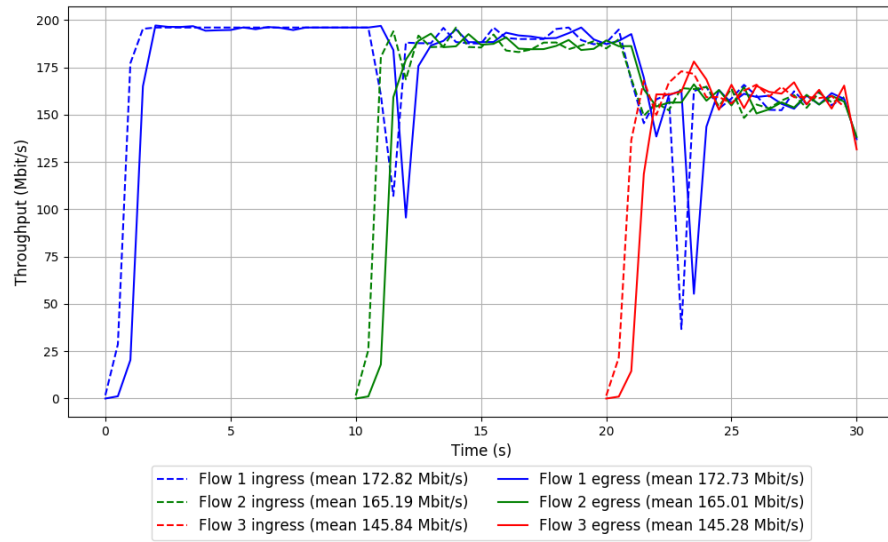


Run 7: Statistics of TCP BBR

Start at: 2018-07-05 07:40:35
End at: 2018-07-05 07:41:05
Local clock offset: -0.068 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-07-05 09:42:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 330.31 Mbit/s
95th percentile per-packet one-way delay: 90.387 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 172.73 Mbit/s
95th percentile per-packet one-way delay: 88.301 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 165.01 Mbit/s
95th percentile per-packet one-way delay: 89.861 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 145.28 Mbit/s
95th percentile per-packet one-way delay: 95.306 ms
Loss rate: 1.62%

Run 7: Report of TCP BBR — Data Link

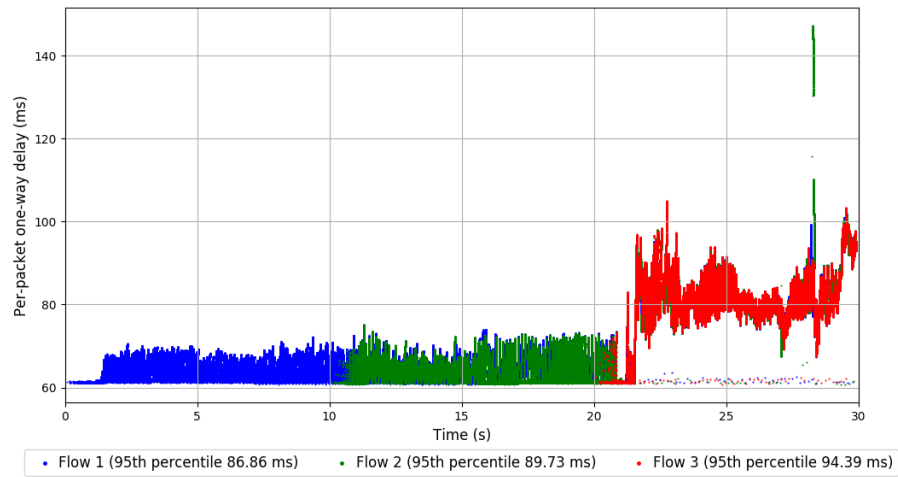
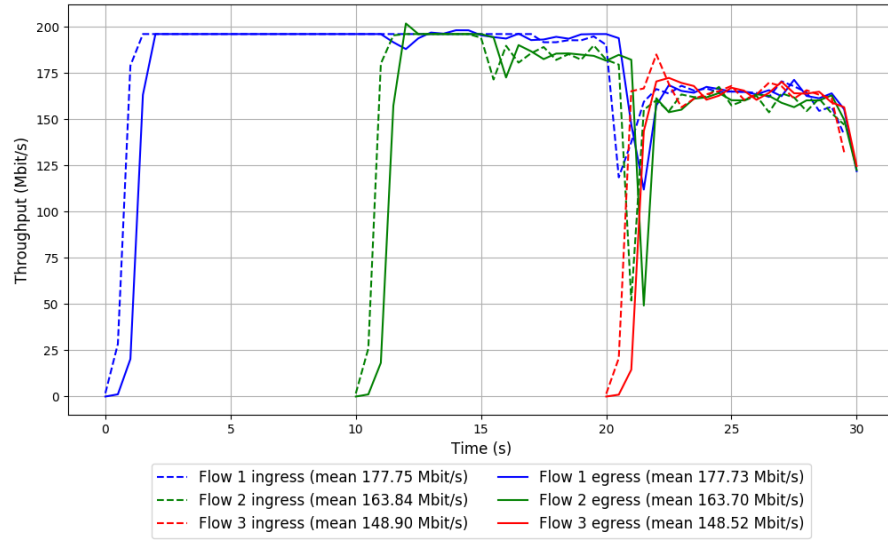


Run 8: Statistics of TCP BBR

Start at: 2018-07-05 08:05:39
End at: 2018-07-05 08:06:09
Local clock offset: -0.111 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-07-05 09:42:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 335.42 Mbit/s
95th percentile per-packet one-way delay: 89.286 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 177.73 Mbit/s
95th percentile per-packet one-way delay: 86.861 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 163.70 Mbit/s
95th percentile per-packet one-way delay: 89.727 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 148.52 Mbit/s
95th percentile per-packet one-way delay: 94.385 ms
Loss rate: 1.49%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-05 08:30:40

End at: 2018-07-05 08:31:10

Local clock offset: -0.038 ms

Remote clock offset: 0.088 ms

Below is generated by plot.py at 2018-07-05 09:48:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 336.57 Mbit/s

95th percentile per-packet one-way delay: 99.870 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 173.99 Mbit/s

95th percentile per-packet one-way delay: 93.031 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 166.44 Mbit/s

95th percentile per-packet one-way delay: 100.211 ms

Loss rate: 0.73%

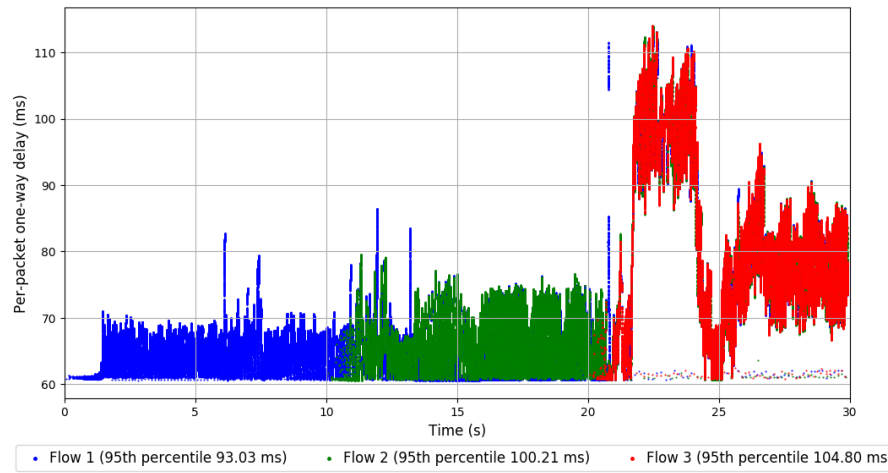
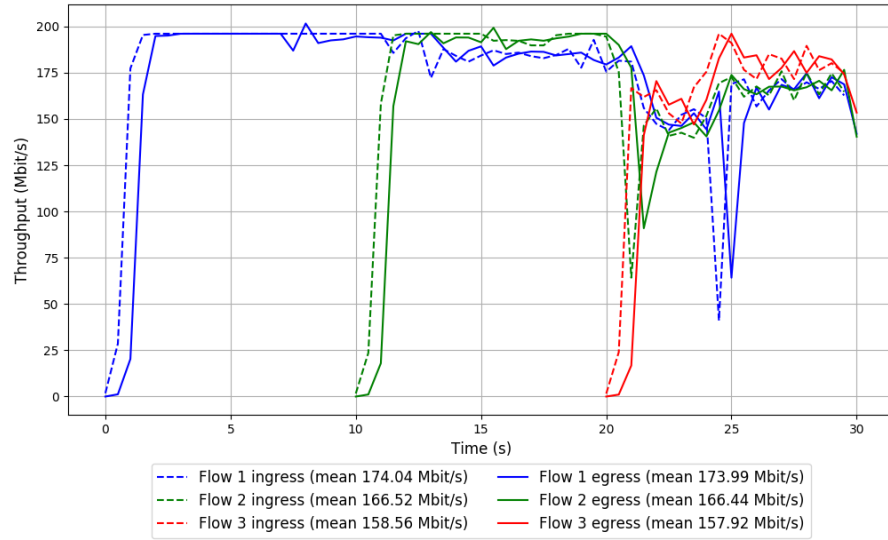
-- Flow 3:

Average throughput: 157.92 Mbit/s

95th percentile per-packet one-way delay: 104.803 ms

Loss rate: 1.64%

Run 9: Report of TCP BBR — Data Link

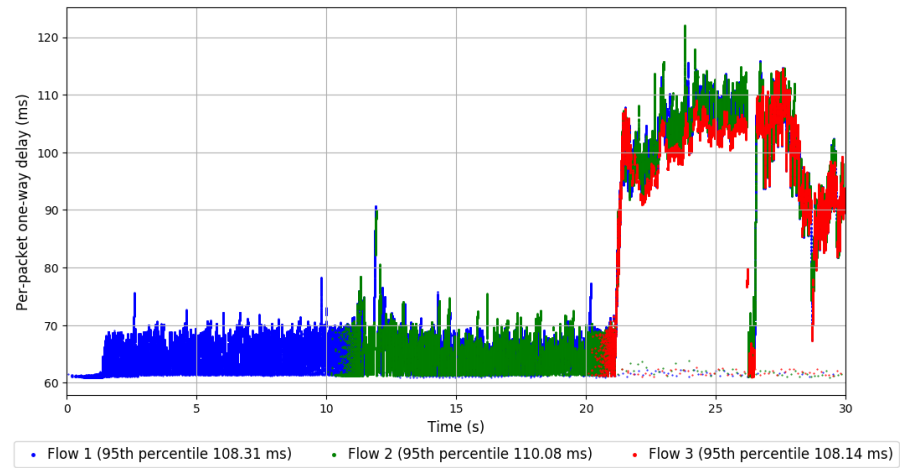
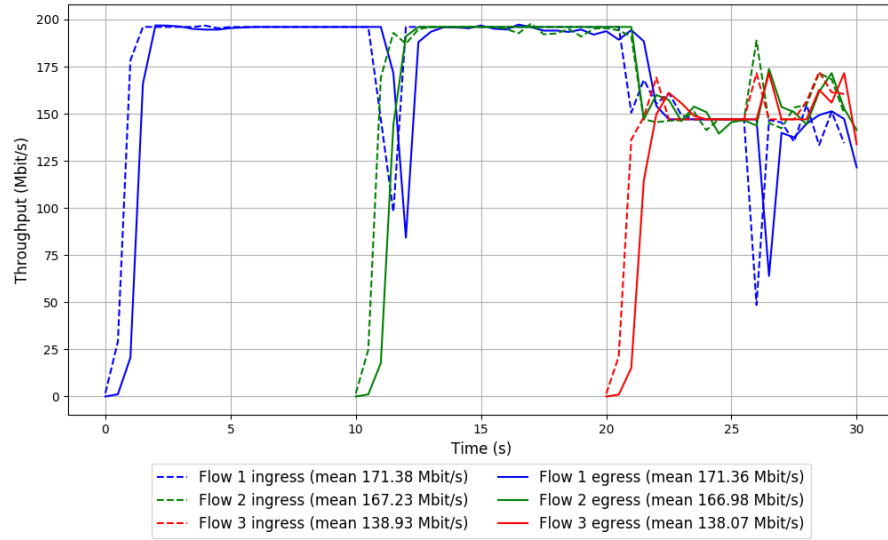


Run 10: Statistics of TCP BBR

Start at: 2018-07-05 08:55:23
End at: 2018-07-05 08:55:53
Local clock offset: 0.032 ms
Remote clock offset: -0.276 ms

Below is generated by plot.py at 2018-07-05 09:48:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 327.77 Mbit/s
95th percentile per-packet one-way delay: 109.064 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 171.36 Mbit/s
95th percentile per-packet one-way delay: 108.309 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 166.98 Mbit/s
95th percentile per-packet one-way delay: 110.077 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 138.07 Mbit/s
95th percentile per-packet one-way delay: 108.144 ms
Loss rate: 1.85%

Run 10: Report of TCP BBR — Data Link

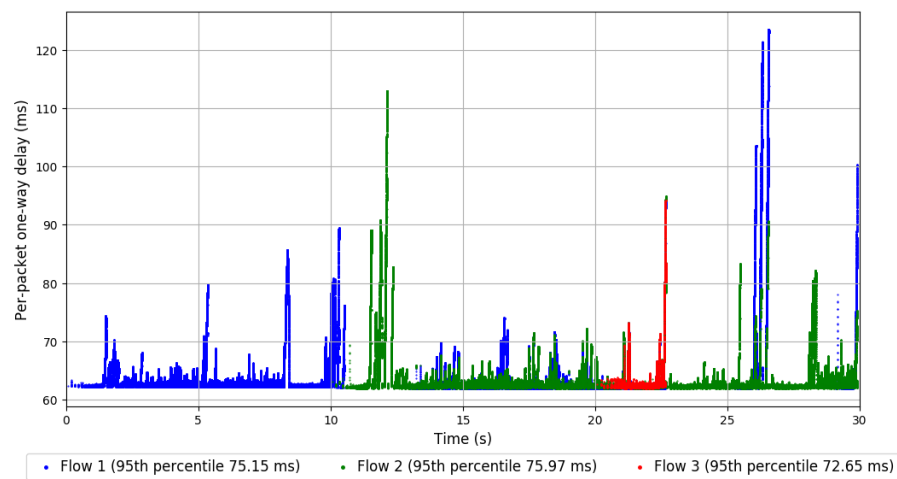
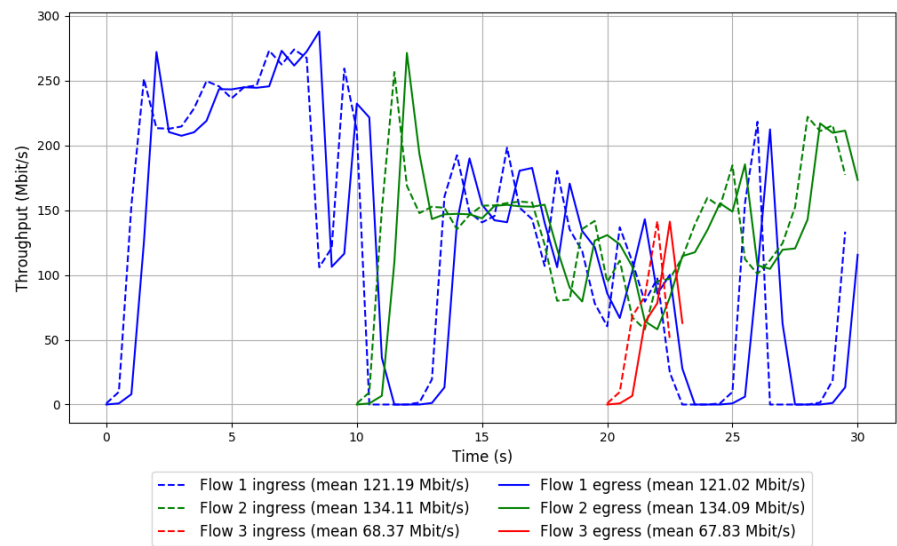


Run 1: Statistics of Copa

Start at: 2018-07-05 05:12:26
End at: 2018-07-05 05:12:56
Local clock offset: 0.272 ms
Remote clock offset: -1.224 ms

Below is generated by plot.py at 2018-07-05 09:50:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 216.07 Mbit/s
95th percentile per-packet one-way delay: 75.373 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 121.02 Mbit/s
95th percentile per-packet one-way delay: 75.152 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 134.09 Mbit/s
95th percentile per-packet one-way delay: 75.974 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 67.83 Mbit/s
95th percentile per-packet one-way delay: 72.653 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

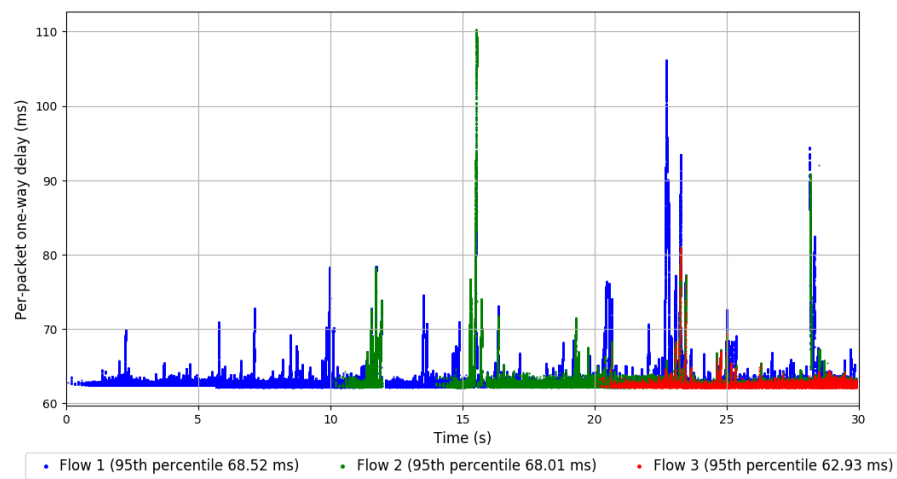
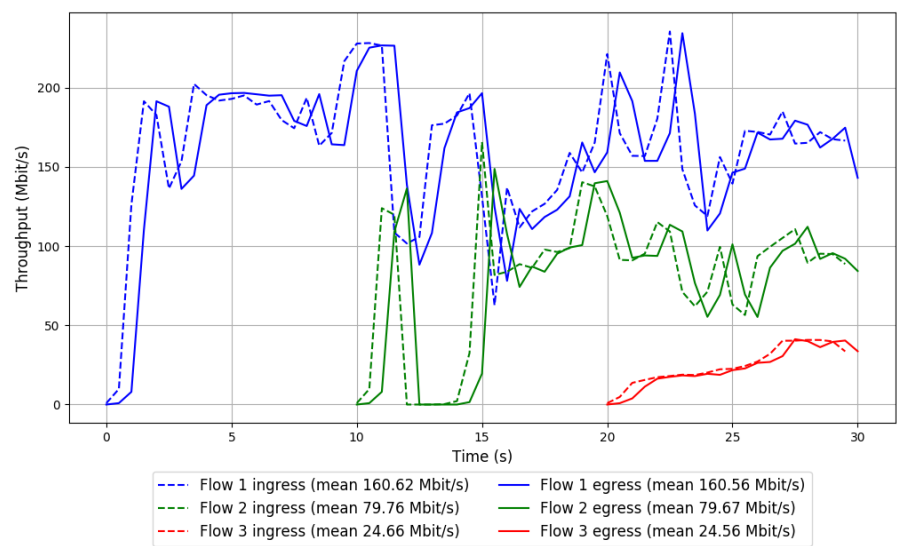


Run 2: Statistics of Copa

Start at: 2018-07-05 05:37:30
End at: 2018-07-05 05:38:00
Local clock offset: -0.039 ms
Remote clock offset: -1.379 ms

Below is generated by plot.py at 2018-07-05 09:50:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 221.62 Mbit/s
95th percentile per-packet one-way delay: 68.224 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 160.56 Mbit/s
95th percentile per-packet one-way delay: 68.520 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 79.67 Mbit/s
95th percentile per-packet one-way delay: 68.011 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 62.933 ms
Loss rate: 1.63%

Run 2: Report of Copa — Data Link

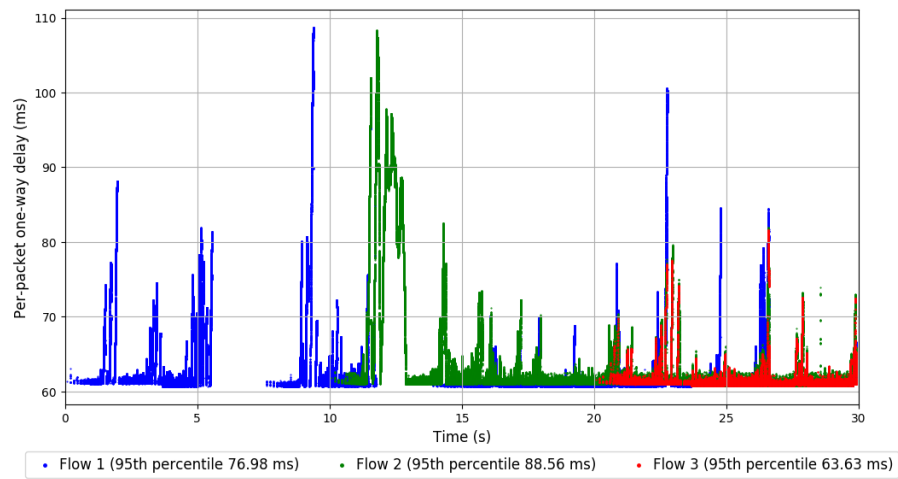
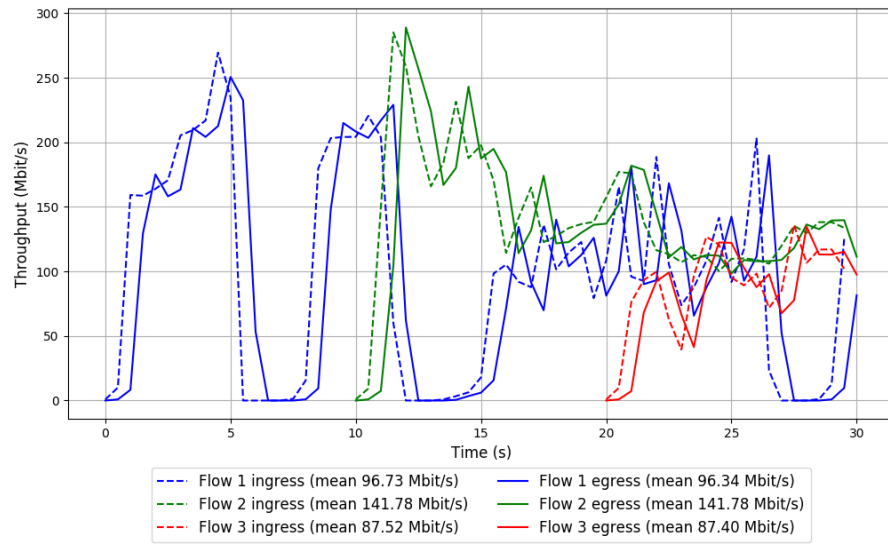


Run 3: Statistics of Copa

Start at: 2018-07-05 06:02:22
End at: 2018-07-05 06:02:52
Local clock offset: -0.05 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-05 09:50:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 219.43 Mbit/s
95th percentile per-packet one-way delay: 80.334 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 96.34 Mbit/s
95th percentile per-packet one-way delay: 76.978 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 141.78 Mbit/s
95th percentile per-packet one-way delay: 88.565 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 87.40 Mbit/s
95th percentile per-packet one-way delay: 63.635 ms
Loss rate: 1.37%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-05 06:27:44

End at: 2018-07-05 06:28:14

Local clock offset: -0.05 ms

Remote clock offset: 1.269 ms

Below is generated by plot.py at 2018-07-05 09:50:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 191.32 Mbit/s

95th percentile per-packet one-way delay: 75.699 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 105.98 Mbit/s

95th percentile per-packet one-way delay: 74.674 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 89.97 Mbit/s

95th percentile per-packet one-way delay: 78.143 ms

Loss rate: 0.08%

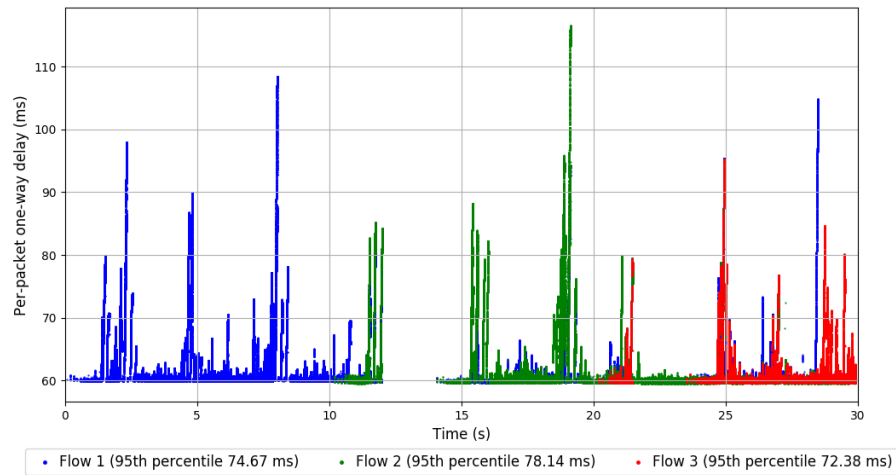
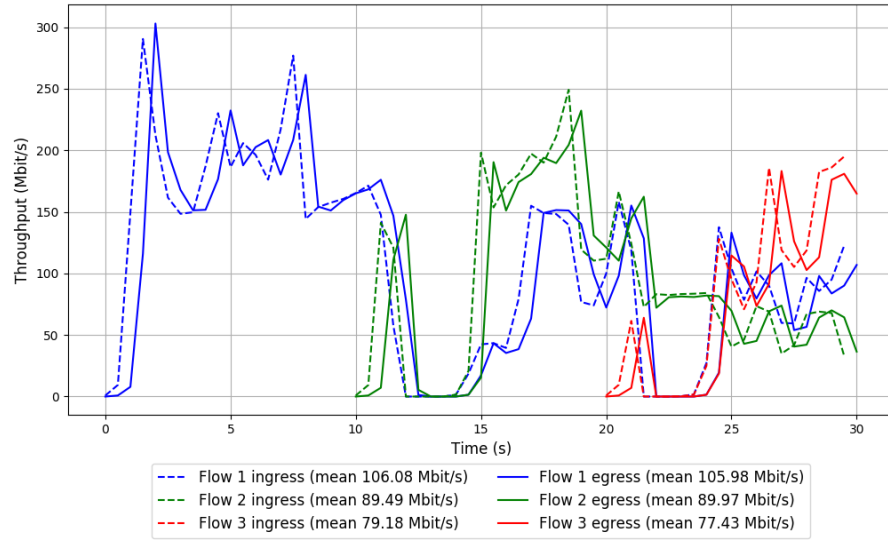
-- Flow 3:

Average throughput: 77.43 Mbit/s

95th percentile per-packet one-way delay: 72.382 ms

Loss rate: 3.40%

Run 4: Report of Copa — Data Link

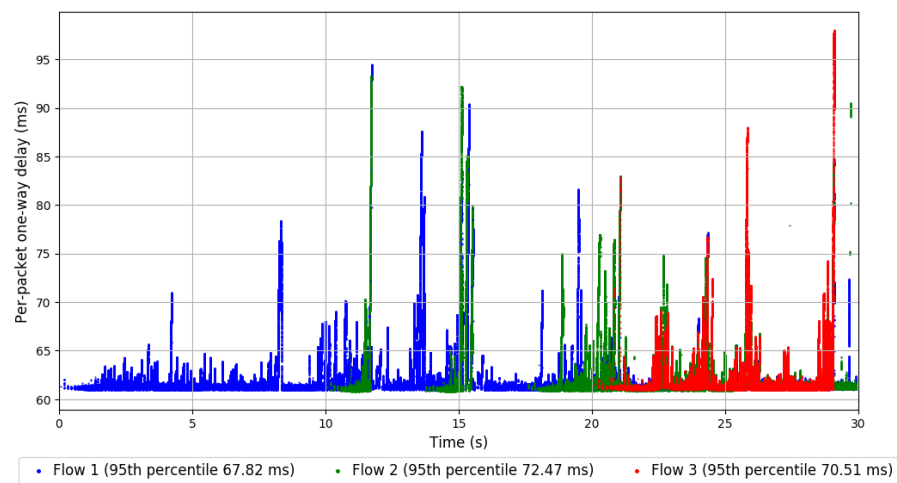
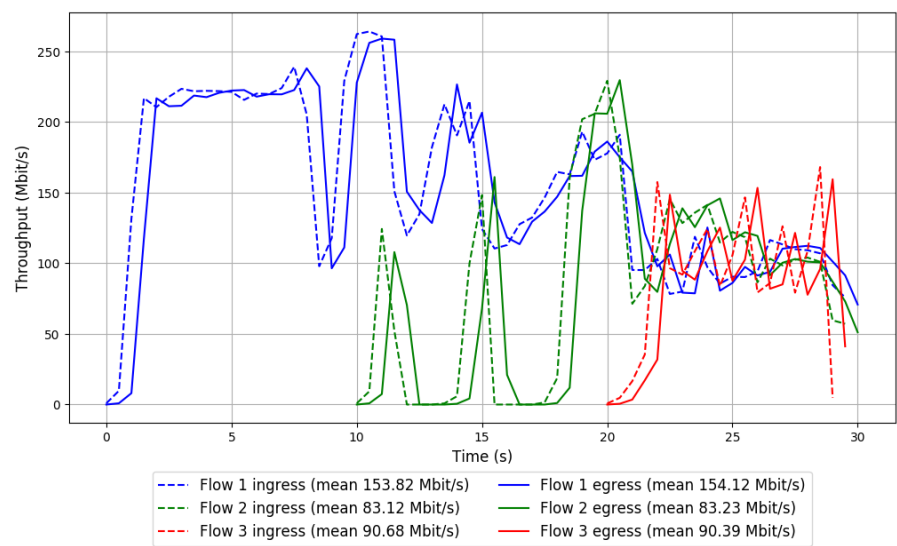


Run 5: Statistics of Copa

Start at: 2018-07-05 06:53:00
End at: 2018-07-05 06:53:30
Local clock offset: -0.056 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-05 09:51:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 236.65 Mbit/s
95th percentile per-packet one-way delay: 69.216 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 154.12 Mbit/s
95th percentile per-packet one-way delay: 67.818 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 83.23 Mbit/s
95th percentile per-packet one-way delay: 72.466 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 90.39 Mbit/s
95th percentile per-packet one-way delay: 70.511 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-05 07:18:10

End at: 2018-07-05 07:18:40

Local clock offset: -0.054 ms

Remote clock offset: 0.109 ms

Below is generated by plot.py at 2018-07-05 09:51:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 231.59 Mbit/s

95th percentile per-packet one-way delay: 69.643 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 143.11 Mbit/s

95th percentile per-packet one-way delay: 69.088 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 76.21 Mbit/s

95th percentile per-packet one-way delay: 72.631 ms

Loss rate: 0.67%

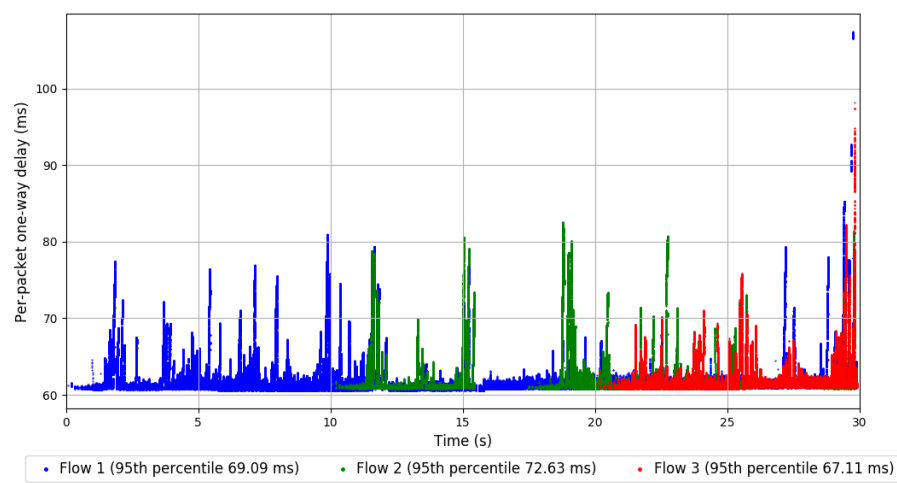
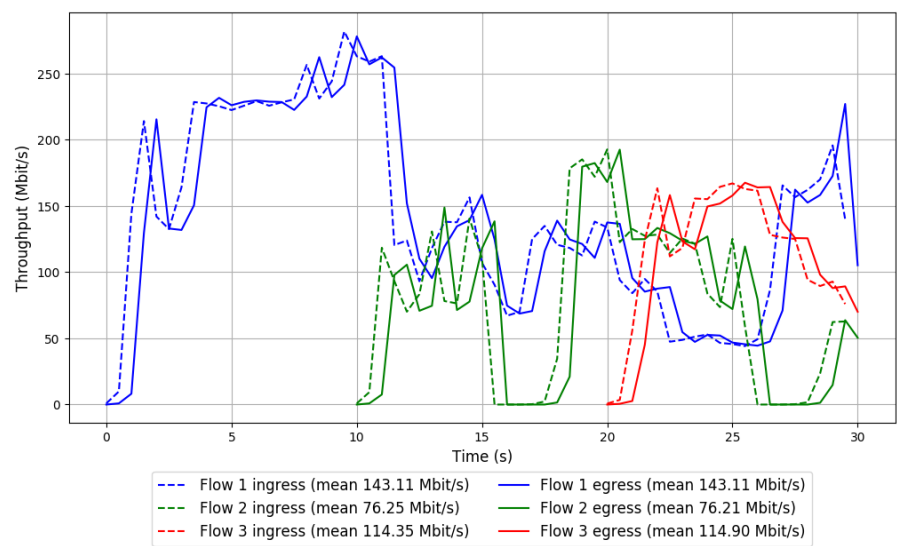
-- Flow 3:

Average throughput: 114.90 Mbit/s

95th percentile per-packet one-way delay: 67.110 ms

Loss rate: 0.75%

Run 6: Report of Copa — Data Link

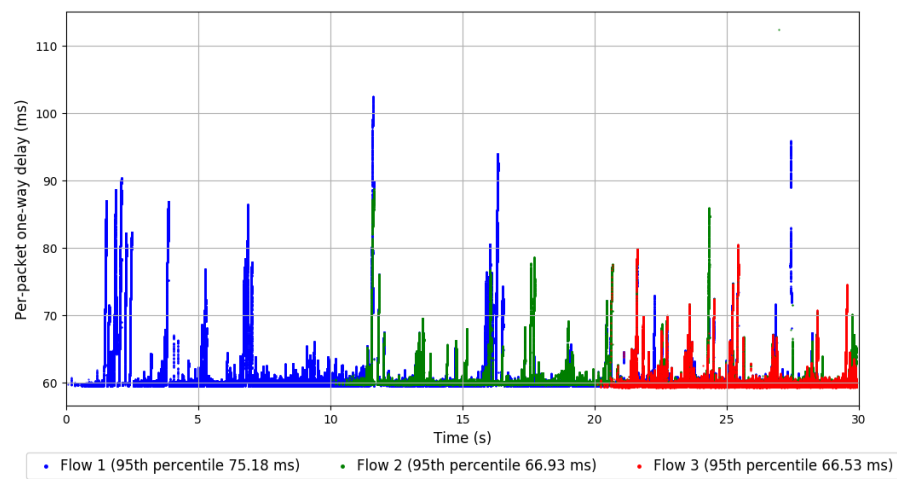
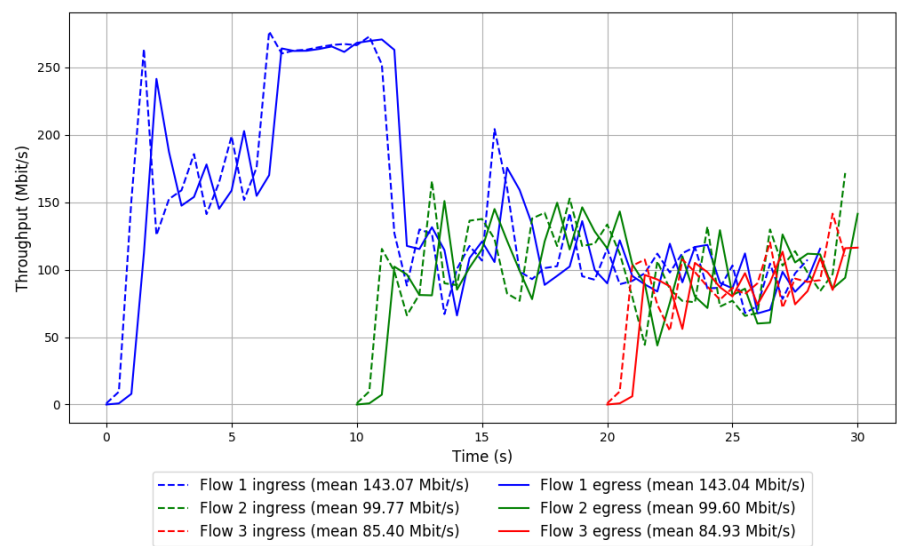


Run 7: Statistics of Copa

Start at: 2018-07-05 07:43:30
End at: 2018-07-05 07:44:00
Local clock offset: -0.029 ms
Remote clock offset: 1.462 ms

Below is generated by plot.py at 2018-07-05 09:57:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 230.14 Mbit/s
95th percentile per-packet one-way delay: 71.849 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 143.04 Mbit/s
95th percentile per-packet one-way delay: 75.182 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 99.60 Mbit/s
95th percentile per-packet one-way delay: 66.926 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 84.93 Mbit/s
95th percentile per-packet one-way delay: 66.534 ms
Loss rate: 1.77%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-05 08:08:35

End at: 2018-07-05 08:09:05

Local clock offset: -0.06 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-07-05 09:57:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 222.05 Mbit/s

95th percentile per-packet one-way delay: 66.891 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 145.34 Mbit/s

95th percentile per-packet one-way delay: 66.393 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 83.22 Mbit/s

95th percentile per-packet one-way delay: 67.560 ms

Loss rate: 0.84%

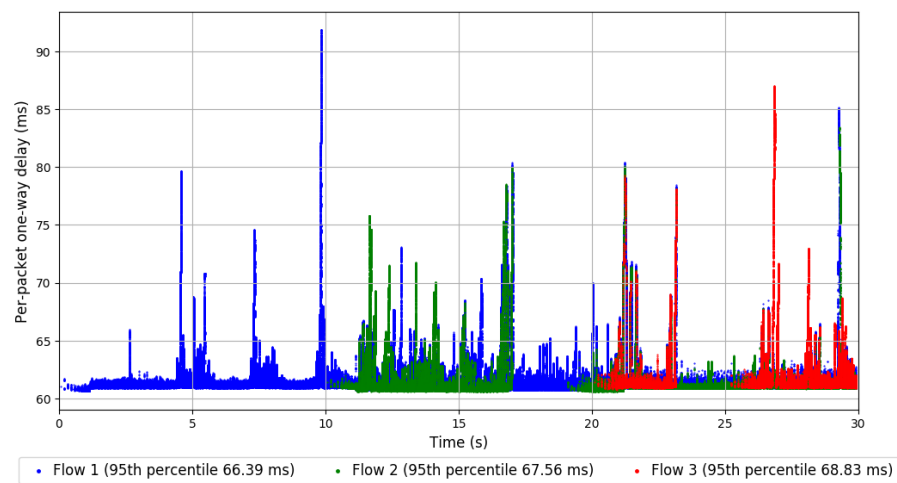
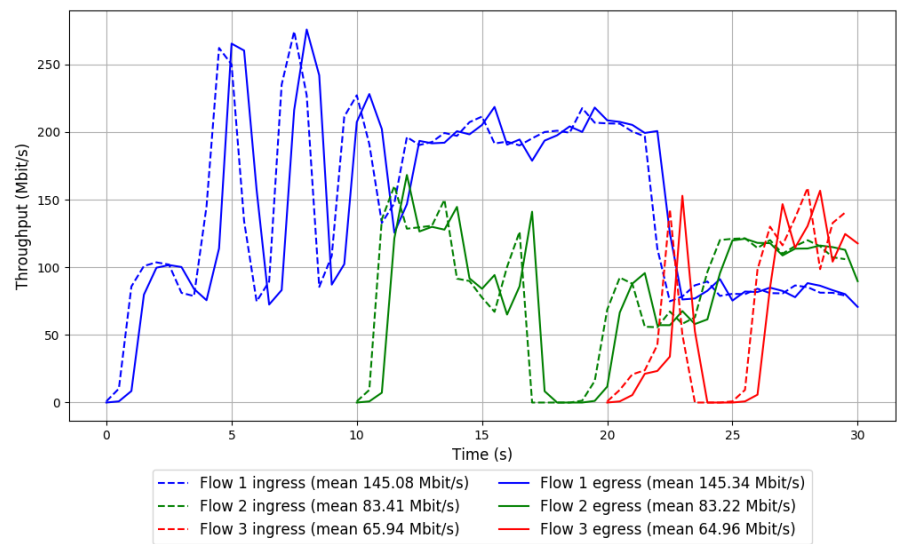
-- Flow 3:

Average throughput: 64.96 Mbit/s

95th percentile per-packet one-way delay: 68.835 ms

Loss rate: 2.70%

Run 8: Report of Copa — Data Link

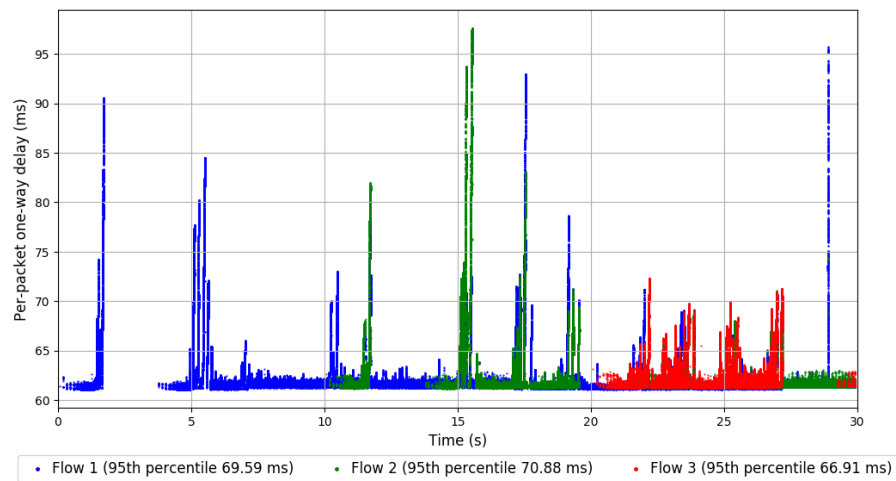
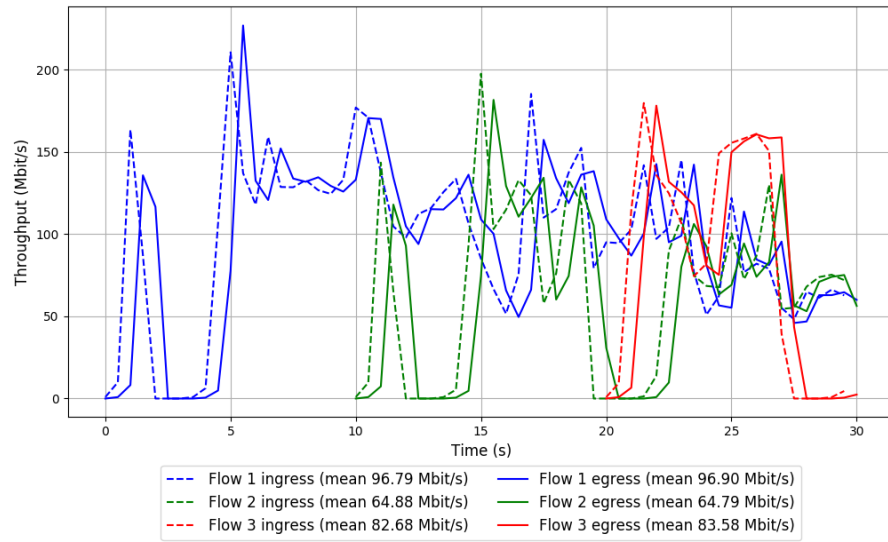


Run 9: Statistics of Copa

Start at: 2018-07-05 08:33:39
End at: 2018-07-05 08:34:09
Local clock offset: -0.065 ms
Remote clock offset: -0.477 ms

Below is generated by plot.py at 2018-07-05 09:57:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 167.51 Mbit/s
95th percentile per-packet one-way delay: 69.159 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: 69.587 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 64.79 Mbit/s
95th percentile per-packet one-way delay: 70.884 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 83.58 Mbit/s
95th percentile per-packet one-way delay: 66.905 ms
Loss rate: 0.15%

Run 9: Report of Copa — Data Link

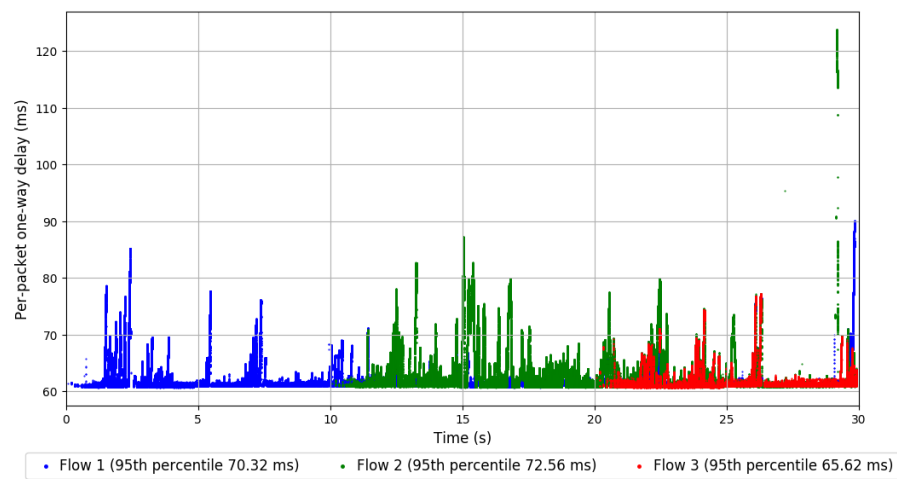
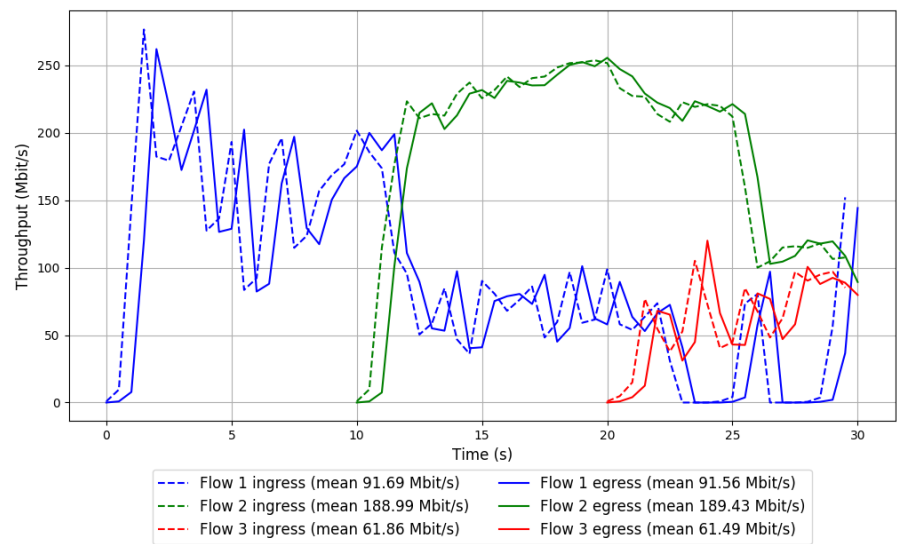


Run 10: Statistics of Copa

Start at: 2018-07-05 08:58:21
End at: 2018-07-05 08:58:51
Local clock offset: 0.059 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-07-05 09:59:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 237.76 Mbit/s
95th percentile per-packet one-way delay: 71.105 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 91.56 Mbit/s
95th percentile per-packet one-way delay: 70.316 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 189.43 Mbit/s
95th percentile per-packet one-way delay: 72.557 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 61.49 Mbit/s
95th percentile per-packet one-way delay: 65.616 ms
Loss rate: 1.80%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-05 05:04:36

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

Local clock offset: 0.313 ms

Remote clock offset: 0.399 ms

Below is generated by plot.py at 2018-07-05 09:59:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 312.34 Mbit/s

95th percentile per-packet one-way delay: 71.588 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 188.55 Mbit/s

95th percentile per-packet one-way delay: 71.337 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 184.78 Mbit/s

95th percentile per-packet one-way delay: 71.913 ms

Loss rate: 0.66%

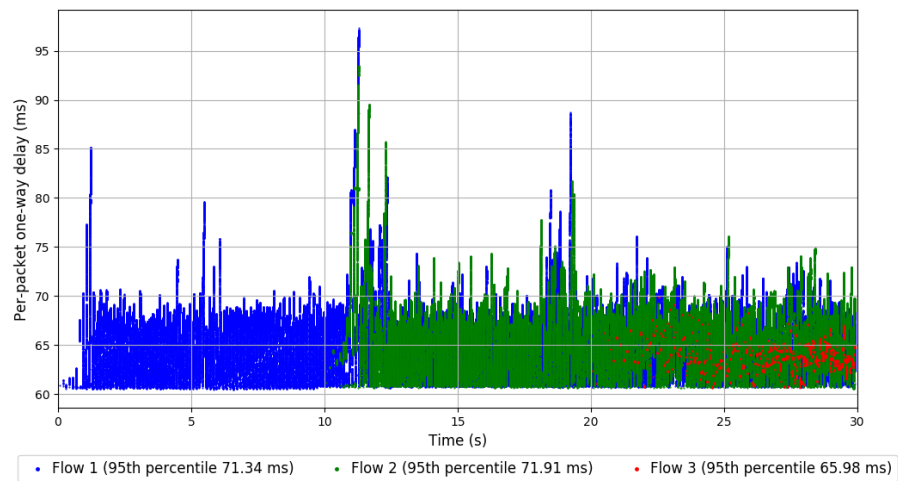
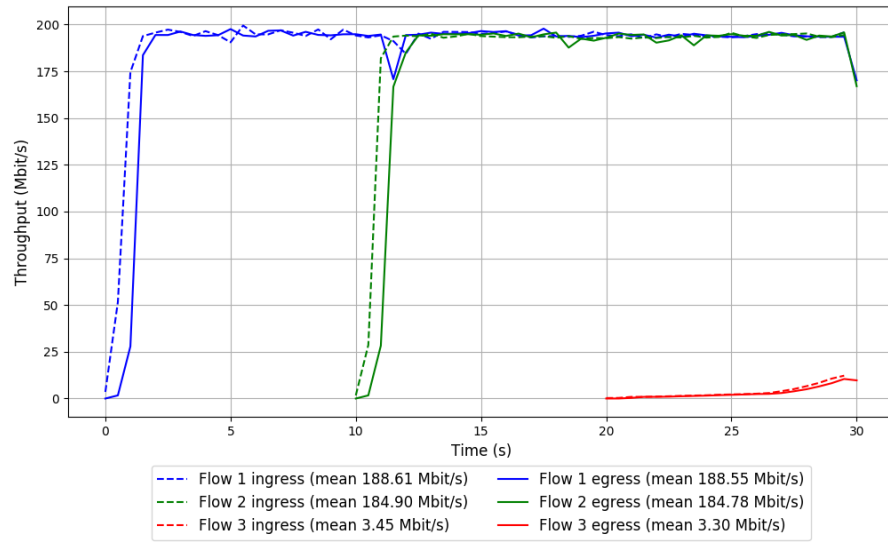
-- Flow 3:

Average throughput: 3.30 Mbit/s

95th percentile per-packet one-way delay: 65.978 ms

Loss rate: 5.35%

Run 1: Report of TCP Cubic — Data Link

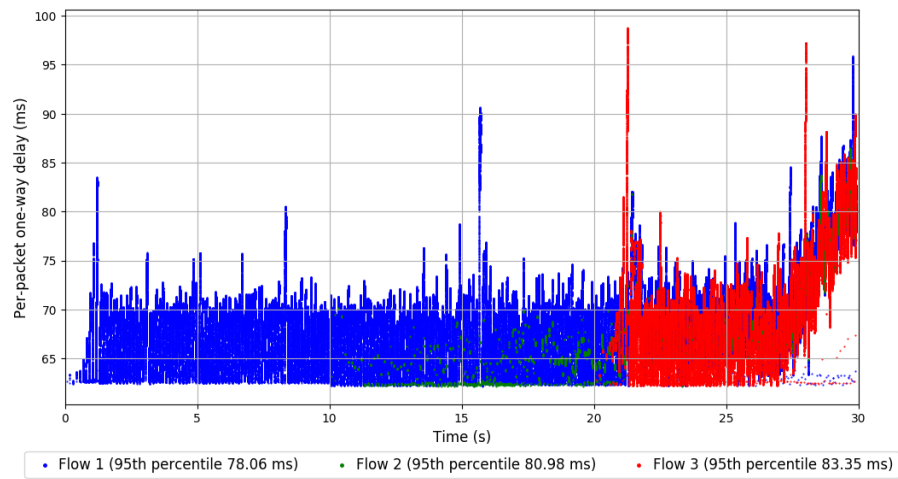
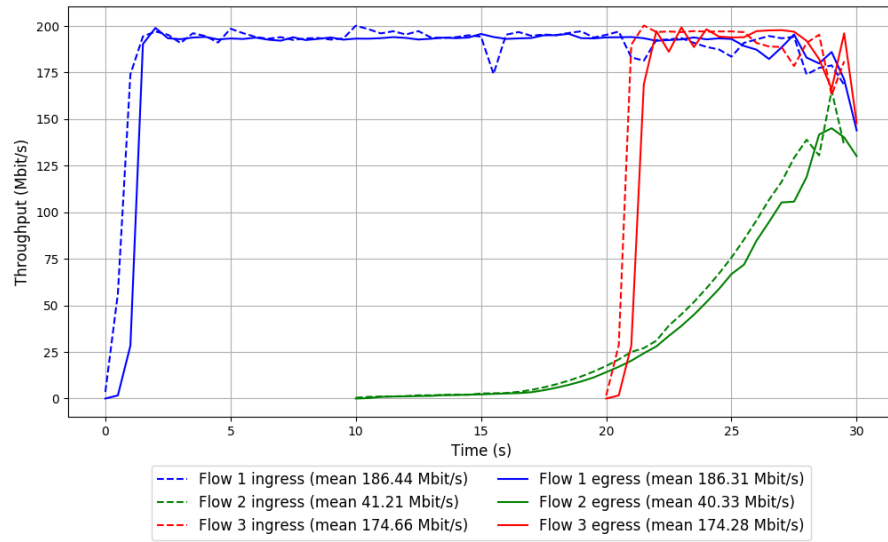


Run 2: Statistics of TCP Cubic

Start at: 2018-07-05 05:29:46
End at: 2018-07-05 05:30:16
Local clock offset: -0.018 ms
Remote clock offset: -1.336 ms

Below is generated by plot.py at 2018-07-05 09:59:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 270.46 Mbit/s
95th percentile per-packet one-way delay: 80.027 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 186.31 Mbit/s
95th percentile per-packet one-way delay: 78.062 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 40.33 Mbit/s
95th percentile per-packet one-way delay: 80.980 ms
Loss rate: 2.64%
-- Flow 3:
Average throughput: 174.28 Mbit/s
95th percentile per-packet one-way delay: 83.351 ms
Loss rate: 1.41%

Run 2: Report of TCP Cubic — Data Link

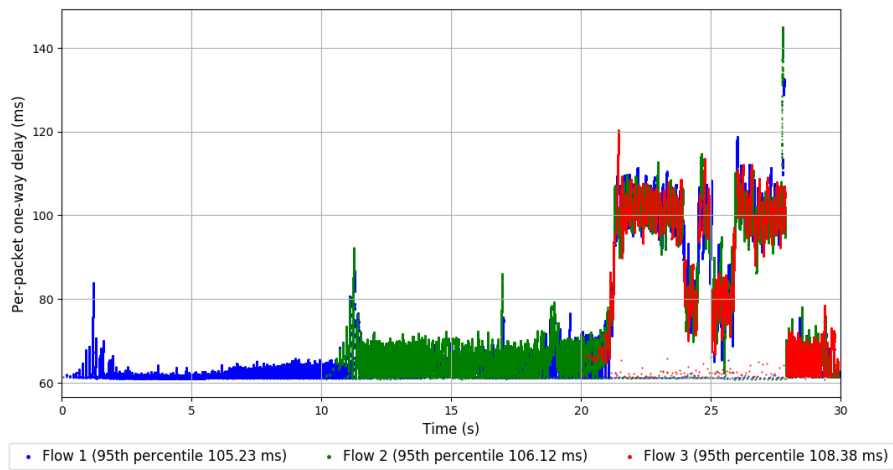
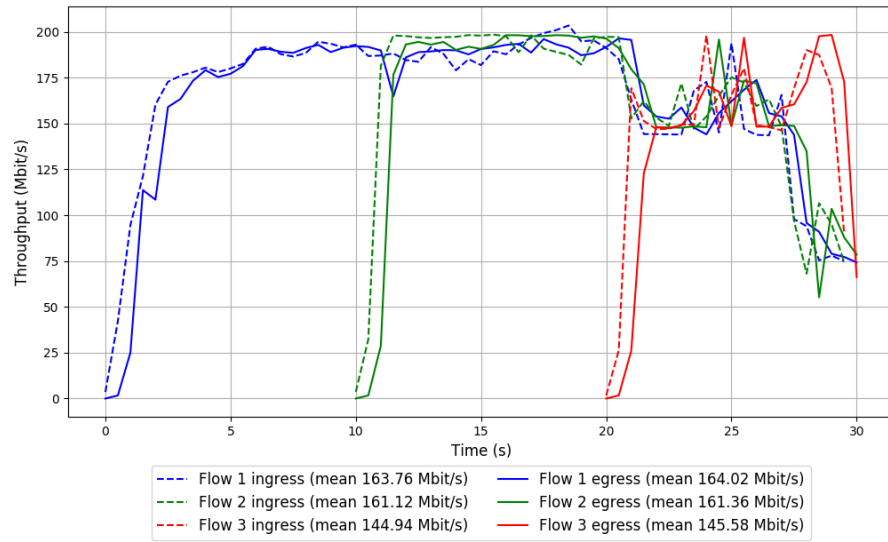


Run 3: Statistics of TCP Cubic

Start at: 2018-07-05 05:54:30
End at: 2018-07-05 05:55:00
Local clock offset: -0.035 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-05 09:59:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 319.11 Mbit/s
95th percentile per-packet one-way delay: 106.373 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 164.02 Mbit/s
95th percentile per-packet one-way delay: 105.228 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 161.36 Mbit/s
95th percentile per-packet one-way delay: 106.116 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 145.58 Mbit/s
95th percentile per-packet one-way delay: 108.375 ms
Loss rate: 0.82%

Run 3: Report of TCP Cubic — Data Link

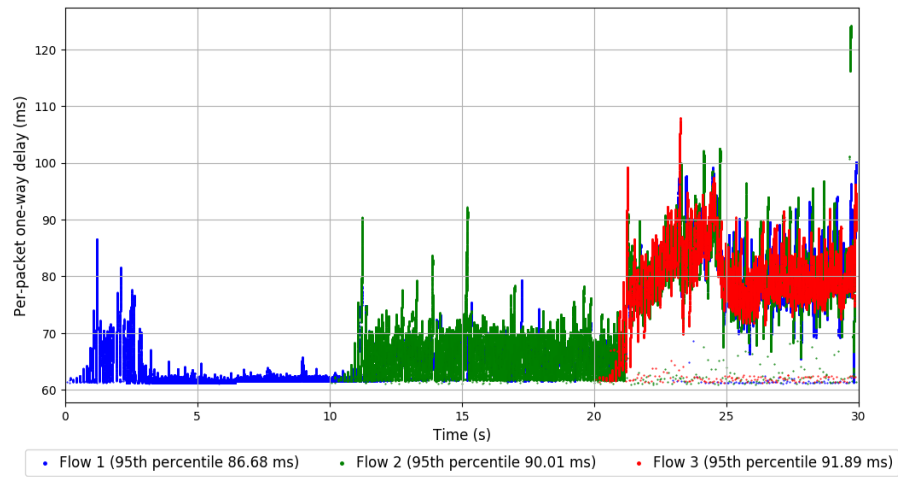
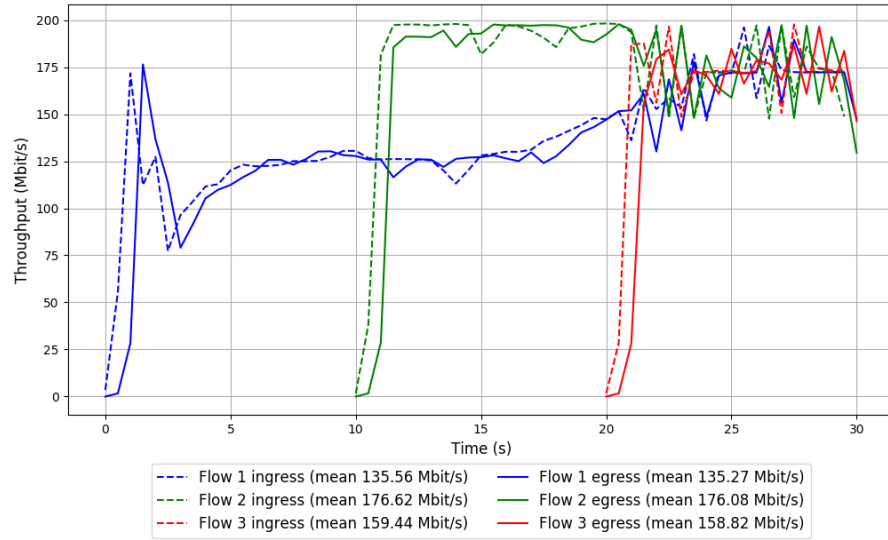


Run 4: Statistics of TCP Cubic

Start at: 2018-07-05 06:19:59
End at: 2018-07-05 06:20:29
Local clock offset: -0.054 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2018-07-05 09:59:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 304.48 Mbit/s
95th percentile per-packet one-way delay: 89.446 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 135.27 Mbit/s
95th percentile per-packet one-way delay: 86.678 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 176.08 Mbit/s
95th percentile per-packet one-way delay: 90.012 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 158.82 Mbit/s
95th percentile per-packet one-way delay: 91.895 ms
Loss rate: 1.63%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-05 06:45:15

End at: 2018-07-05 06:45:45

Local clock offset: -0.078 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-07-05 10:00:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 216.93 Mbit/s

95th percentile per-packet one-way delay: 72.931 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 188.61 Mbit/s

95th percentile per-packet one-way delay: 73.179 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 40.95 Mbit/s

95th percentile per-packet one-way delay: 68.922 ms

Loss rate: 2.84%

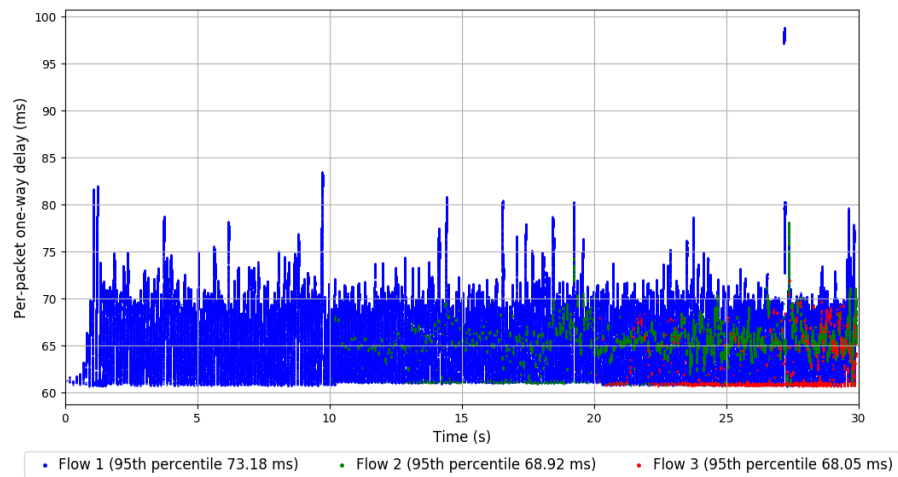
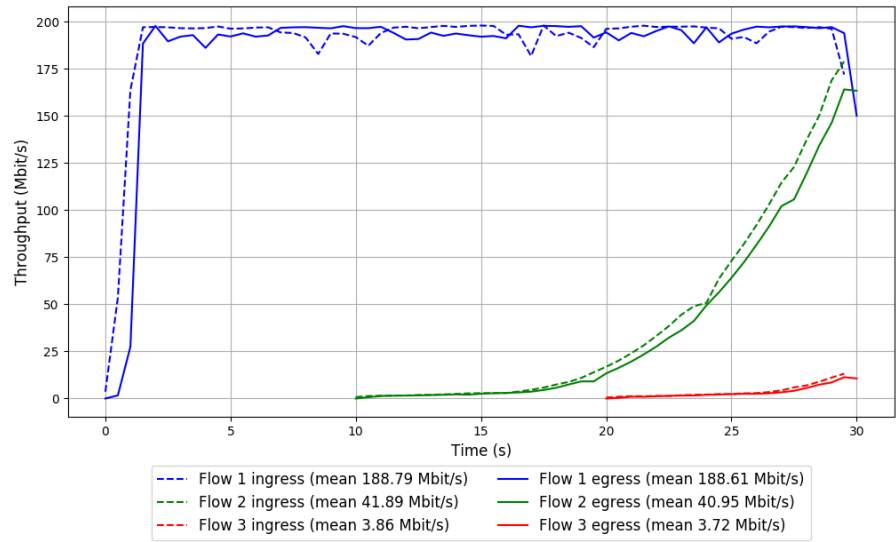
-- Flow 3:

Average throughput: 3.72 Mbit/s

95th percentile per-packet one-way delay: 68.045 ms

Loss rate: 4.72%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-05 07:10:25

End at: 2018-07-05 07:10:55

Local clock offset: -0.046 ms

Remote clock offset: 0.171 ms

Below is generated by plot.py at 2018-07-05 10:00:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 227.08 Mbit/s

95th percentile per-packet one-way delay: 70.991 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 112.51 Mbit/s

95th percentile per-packet one-way delay: 70.154 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 170.55 Mbit/s

95th percentile per-packet one-way delay: 71.605 ms

Loss rate: 0.42%

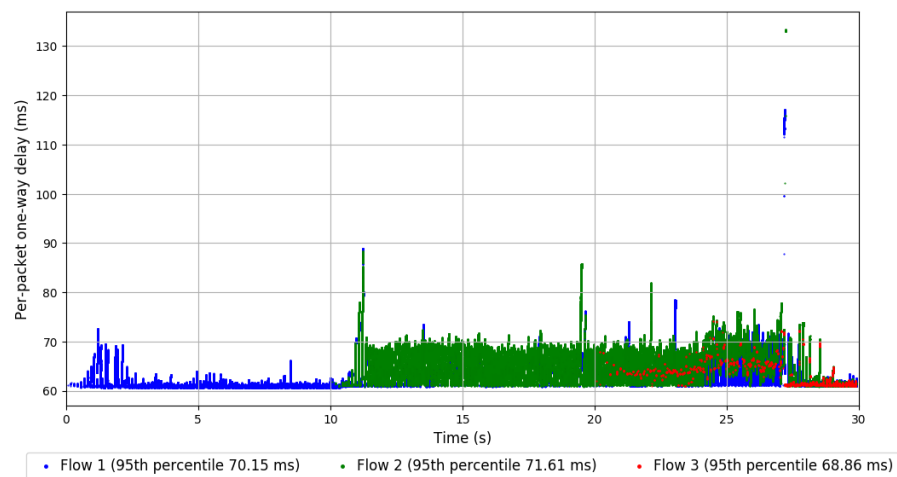
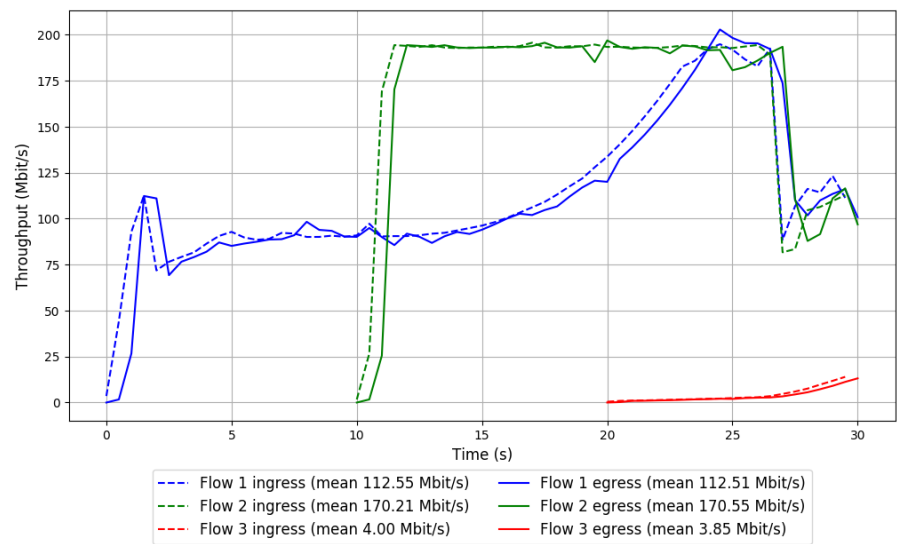
-- Flow 3:

Average throughput: 3.85 Mbit/s

95th percentile per-packet one-way delay: 68.857 ms

Loss rate: 5.07%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-05 07:35:41

End at: 2018-07-05 07:36:11

Local clock offset: -0.045 ms

Remote clock offset: 1.221 ms

Below is generated by plot.py at 2018-07-05 10:03:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 324.07 Mbit/s

95th percentile per-packet one-way delay: 85.307 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 181.76 Mbit/s

95th percentile per-packet one-way delay: 84.898 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 135.81 Mbit/s

95th percentile per-packet one-way delay: 82.216 ms

Loss rate: 0.58%

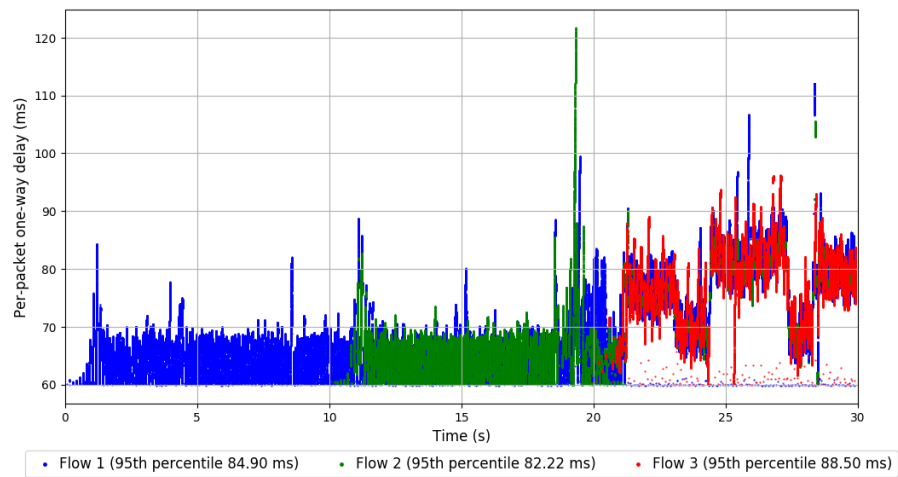
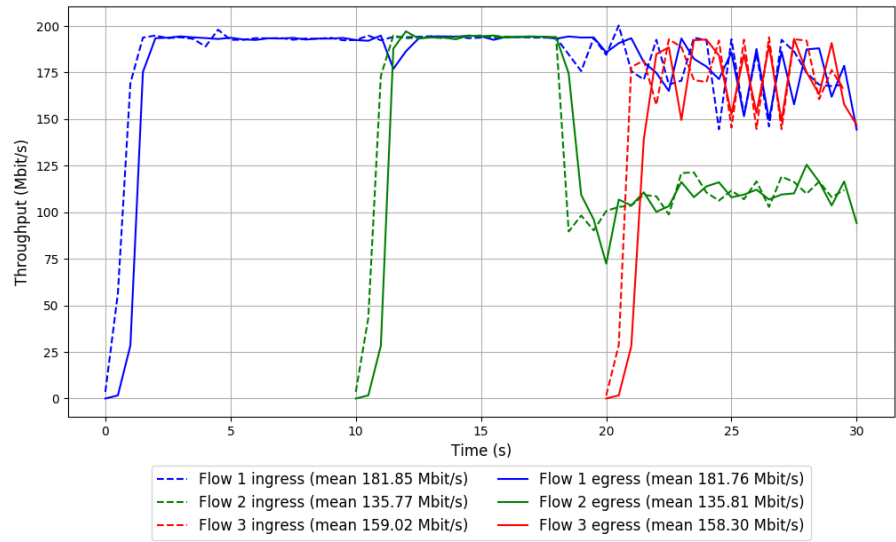
-- Flow 3:

Average throughput: 158.30 Mbit/s

95th percentile per-packet one-way delay: 88.499 ms

Loss rate: 1.68%

Run 7: Report of TCP Cubic — Data Link

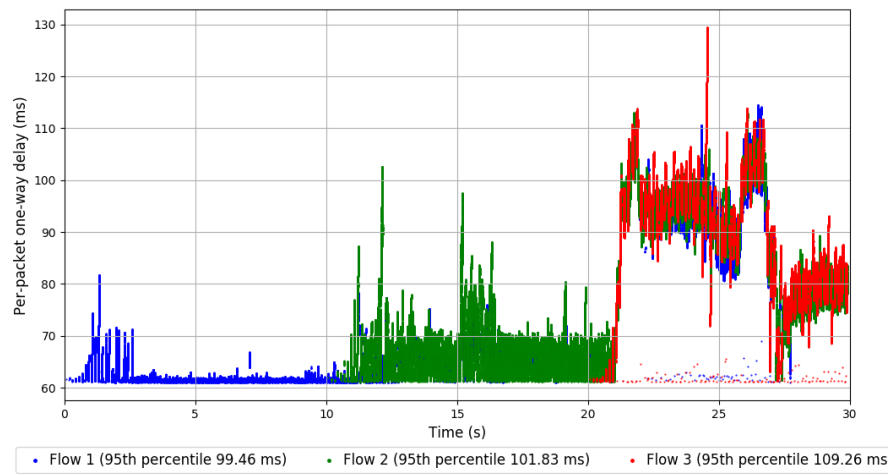
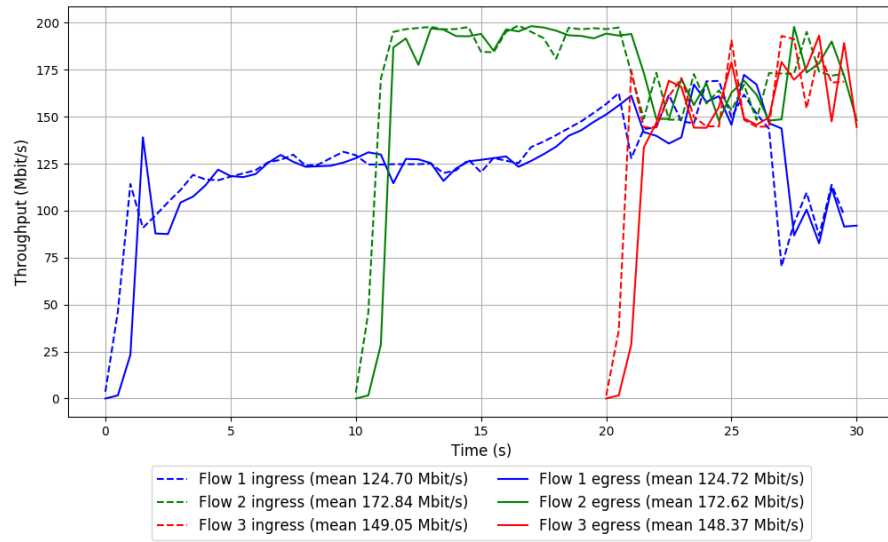


Run 8: Statistics of TCP Cubic

Start at: 2018-07-05 08:00:49
End at: 2018-07-05 08:01:19
Local clock offset: -0.054 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-07-05 10:03:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 288.21 Mbit/s
95th percentile per-packet one-way delay: 103.651 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 124.72 Mbit/s
95th percentile per-packet one-way delay: 99.461 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 172.62 Mbit/s
95th percentile per-packet one-way delay: 101.829 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 148.37 Mbit/s
95th percentile per-packet one-way delay: 109.259 ms
Loss rate: 1.63%

Run 8: Report of TCP Cubic — Data Link

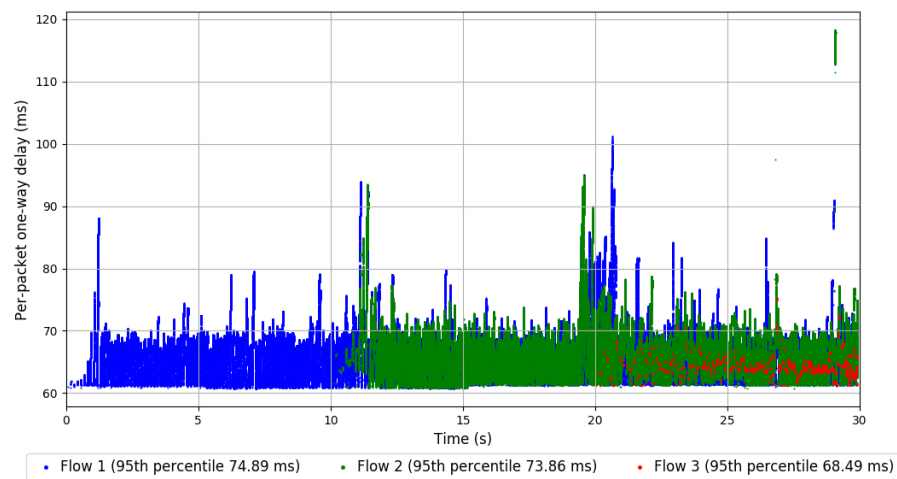
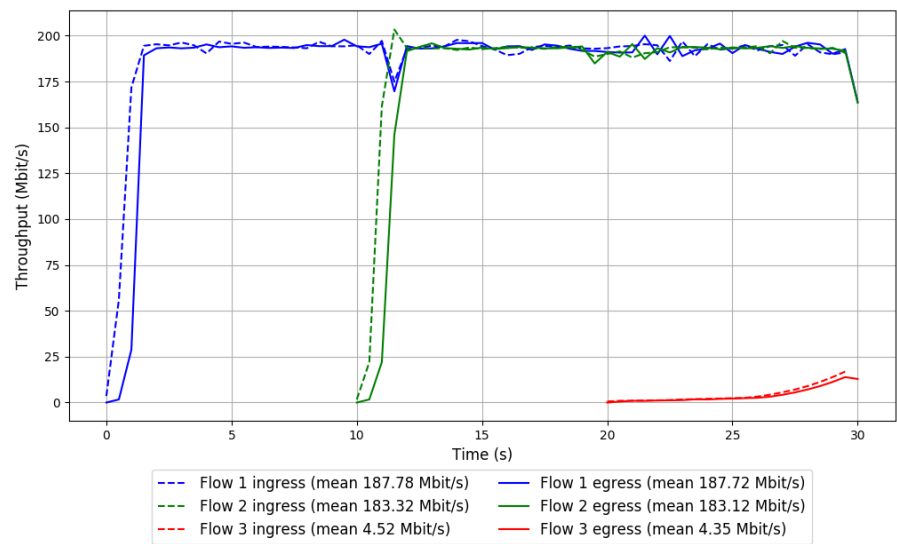


Run 9: Statistics of TCP Cubic

Start at: 2018-07-05 08:25:51
End at: 2018-07-05 08:26:21
Local clock offset: -0.065 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-07-05 10:04:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 310.75 Mbit/s
95th percentile per-packet one-way delay: 74.333 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 187.72 Mbit/s
95th percentile per-packet one-way delay: 74.894 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 183.12 Mbit/s
95th percentile per-packet one-way delay: 73.865 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: 68.491 ms
Loss rate: 5.08%

Run 9: Report of TCP Cubic — Data Link

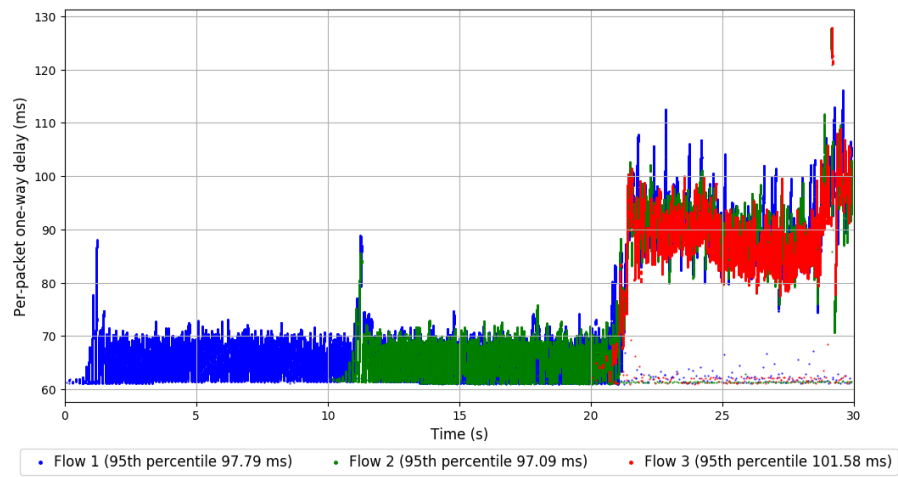
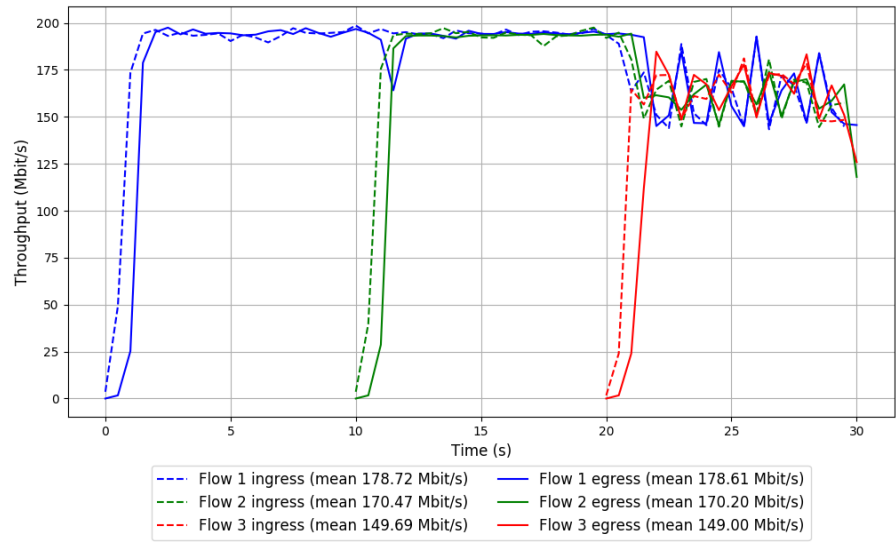


Run 10: Statistics of TCP Cubic

Start at: 2018-07-05 08:50:32
End at: 2018-07-05 08:51:02
Local clock offset: -0.013 ms
Remote clock offset: -0.355 ms

Below is generated by plot.py at 2018-07-05 10:04:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 340.51 Mbit/s
95th percentile per-packet one-way delay: 98.338 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 178.61 Mbit/s
95th percentile per-packet one-way delay: 97.791 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 170.20 Mbit/s
95th percentile per-packet one-way delay: 97.091 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 149.00 Mbit/s
95th percentile per-packet one-way delay: 101.584 ms
Loss rate: 1.67%

Run 10: Report of TCP Cubic — Data Link

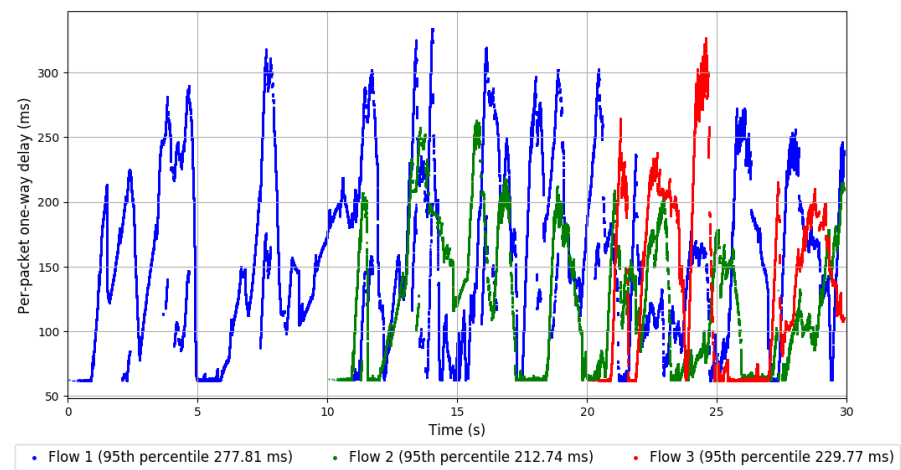
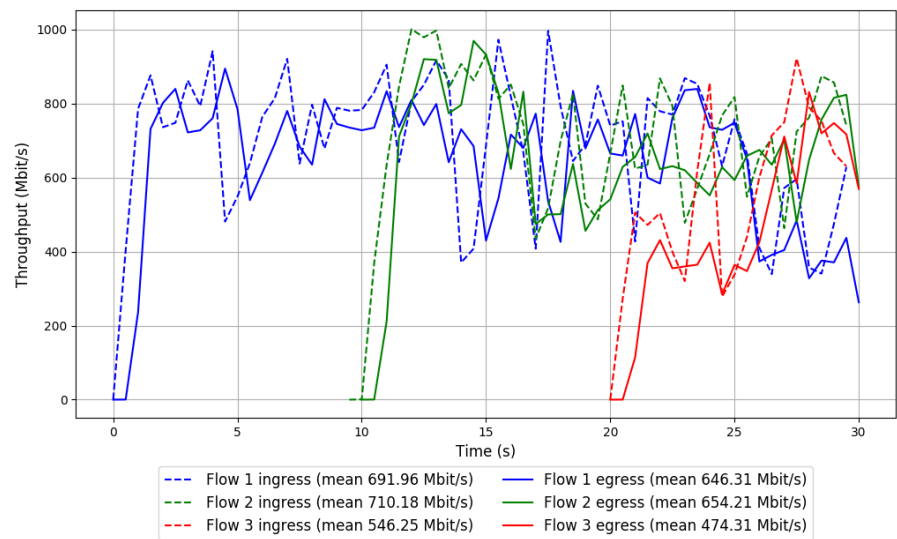


Run 1: Statistics of FillP

Start at: 2018-07-05 05:24:47
End at: 2018-07-05 05:25:17
Local clock offset: 0.043 ms
Remote clock offset: -1.169 ms

Below is generated by plot.py at 2018-07-05 10:30:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 1236.90 Mbit/s
95th percentile per-packet one-way delay: 262.305 ms
Loss rate: 8.47%
-- Flow 1:
Average throughput: 646.31 Mbit/s
95th percentile per-packet one-way delay: 277.806 ms
Loss rate: 6.97%
-- Flow 2:
Average throughput: 654.21 Mbit/s
95th percentile per-packet one-way delay: 212.735 ms
Loss rate: 8.45%
-- Flow 3:
Average throughput: 474.31 Mbit/s
95th percentile per-packet one-way delay: 229.774 ms
Loss rate: 14.25%

Run 1: Report of FillP — Data Link

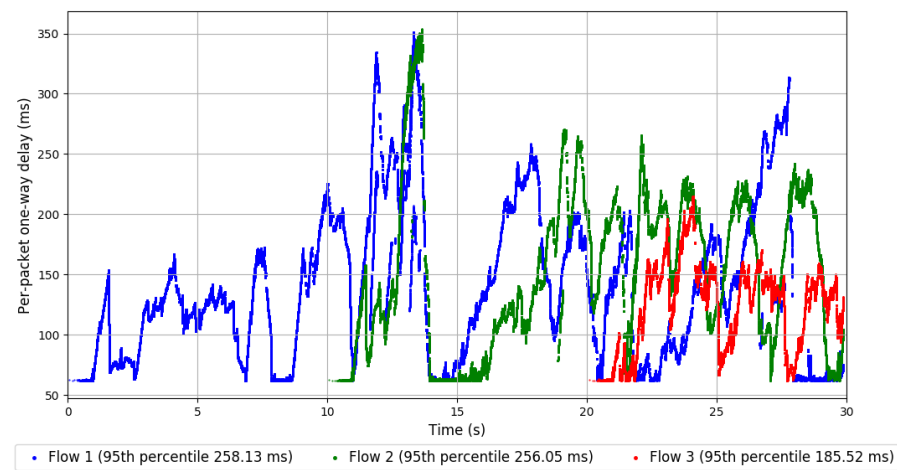
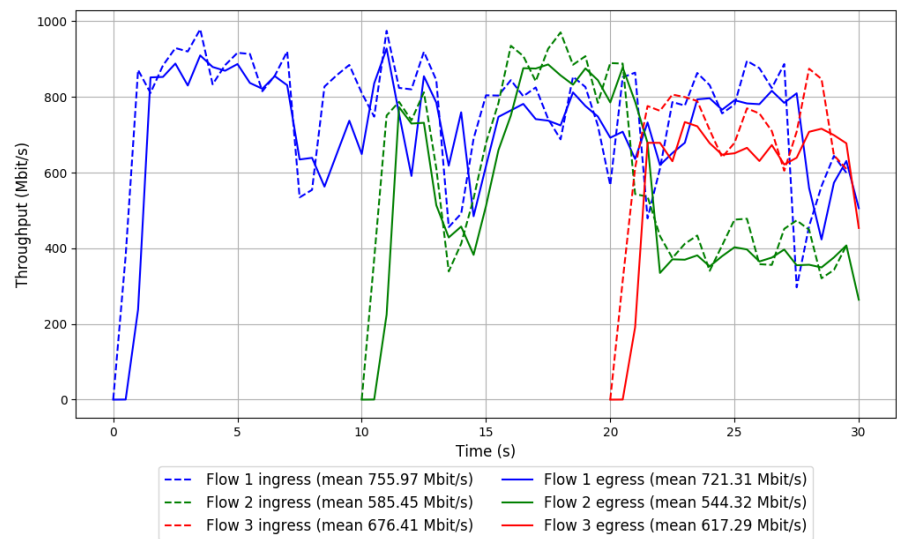


Run 2: Statistics of FillP

Start at: 2018-07-05 05:49:27
End at: 2018-07-05 05:49:57
Local clock offset: -0.076 ms
Remote clock offset: -1.219 ms

Below is generated by plot.py at 2018-07-05 10:33:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 1285.80 Mbit/s
95th percentile per-packet one-way delay: 253.152 ms
Loss rate: 6.52%
-- Flow 1:
Average throughput: 721.31 Mbit/s
95th percentile per-packet one-way delay: 258.133 ms
Loss rate: 4.98%
-- Flow 2:
Average throughput: 544.32 Mbit/s
95th percentile per-packet one-way delay: 256.050 ms
Loss rate: 7.60%
-- Flow 3:
Average throughput: 617.29 Mbit/s
95th percentile per-packet one-way delay: 185.523 ms
Loss rate: 9.87%

Run 2: Report of FillP — Data Link

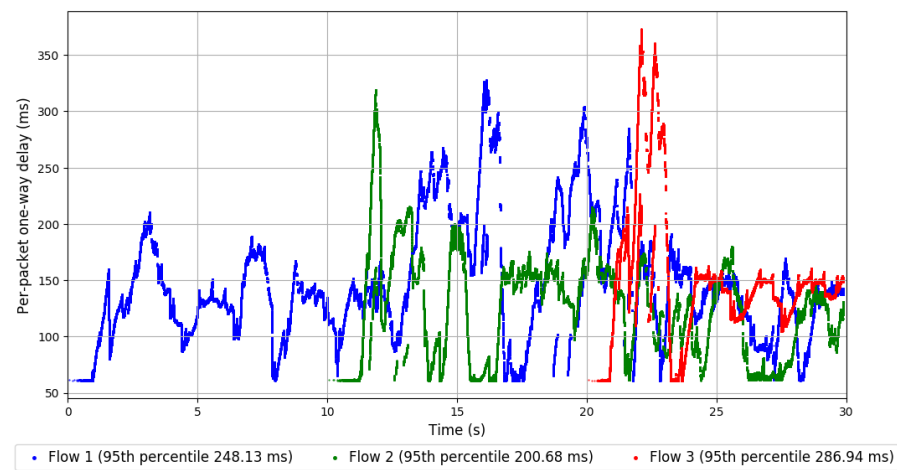
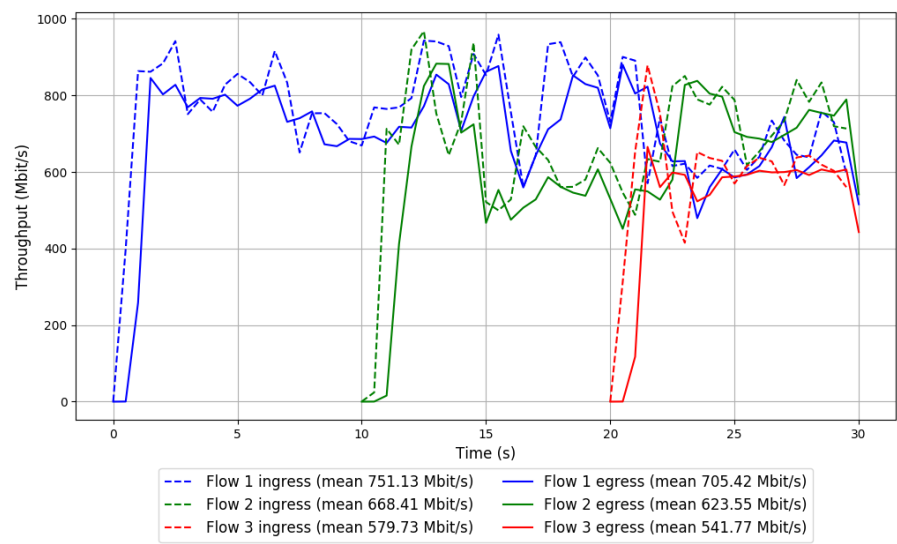


Run 3: Statistics of FillP

Start at: 2018-07-05 06:14:49
End at: 2018-07-05 06:15:19
Local clock offset: -0.072 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-07-05 10:35:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 1297.83 Mbit/s
95th percentile per-packet one-way delay: 245.822 ms
Loss rate: 6.90%
-- Flow 1:
Average throughput: 705.42 Mbit/s
95th percentile per-packet one-way delay: 248.135 ms
Loss rate: 6.47%
-- Flow 2:
Average throughput: 623.55 Mbit/s
95th percentile per-packet one-way delay: 200.680 ms
Loss rate: 7.29%
-- Flow 3:
Average throughput: 541.77 Mbit/s
95th percentile per-packet one-way delay: 286.937 ms
Loss rate: 7.71%

Run 3: Report of FillP — Data Link

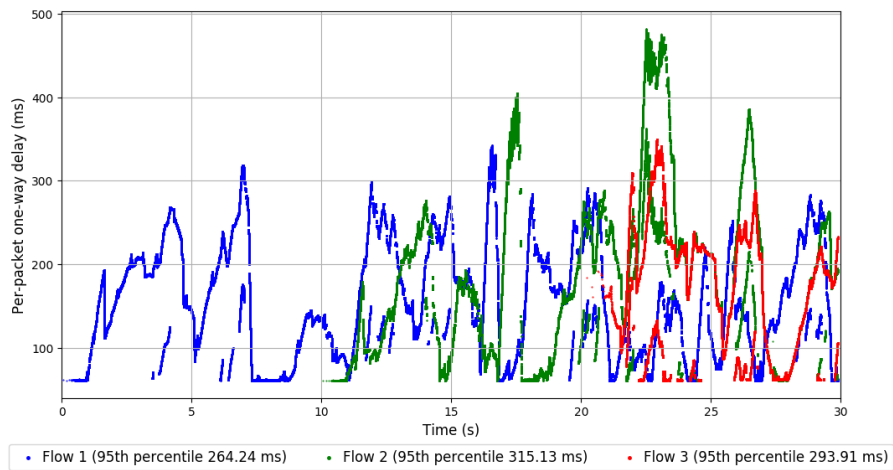
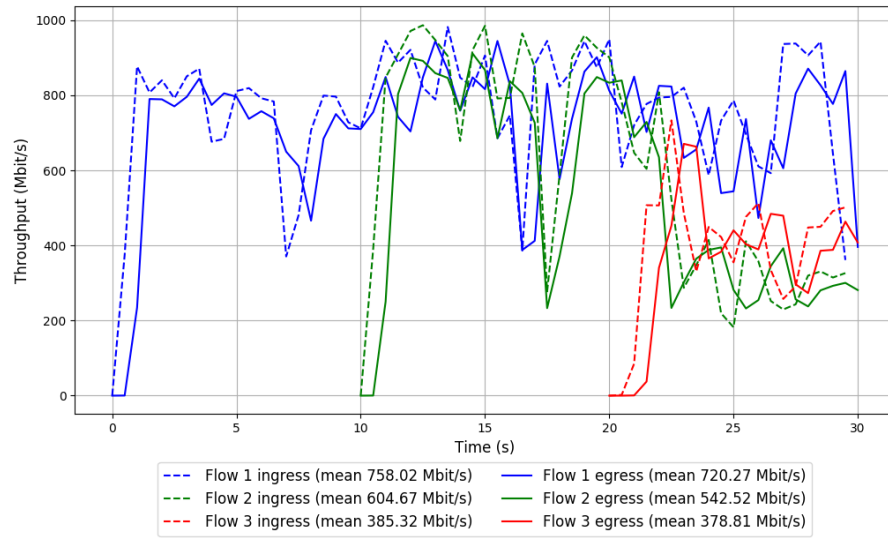


Run 4: Statistics of FillP

Start at: 2018-07-05 06:40:10
End at: 2018-07-05 06:40:40
Local clock offset: -0.047 ms
Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-05 10:35:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 1203.50 Mbit/s
95th percentile per-packet one-way delay: 270.560 ms
Loss rate: 6.94%
-- Flow 1:
Average throughput: 720.27 Mbit/s
95th percentile per-packet one-way delay: 264.239 ms
Loss rate: 5.35%
-- Flow 2:
Average throughput: 542.52 Mbit/s
95th percentile per-packet one-way delay: 315.128 ms
Loss rate: 10.83%
-- Flow 3:
Average throughput: 378.81 Mbit/s
95th percentile per-packet one-way delay: 293.906 ms
Loss rate: 4.13%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

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

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

Local clock offset: -0.032 ms

Remote clock offset: 0.154 ms

Below is generated by plot.py at 2018-07-05 10:37:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 1299.24 Mbit/s

95th percentile per-packet one-way delay: 248.868 ms

Loss rate: 4.68%

-- Flow 1:

Average throughput: 701.68 Mbit/s

95th percentile per-packet one-way delay: 251.504 ms

Loss rate: 4.92%

-- Flow 2:

Average throughput: 615.57 Mbit/s

95th percentile per-packet one-way delay: 265.748 ms

Loss rate: 4.37%

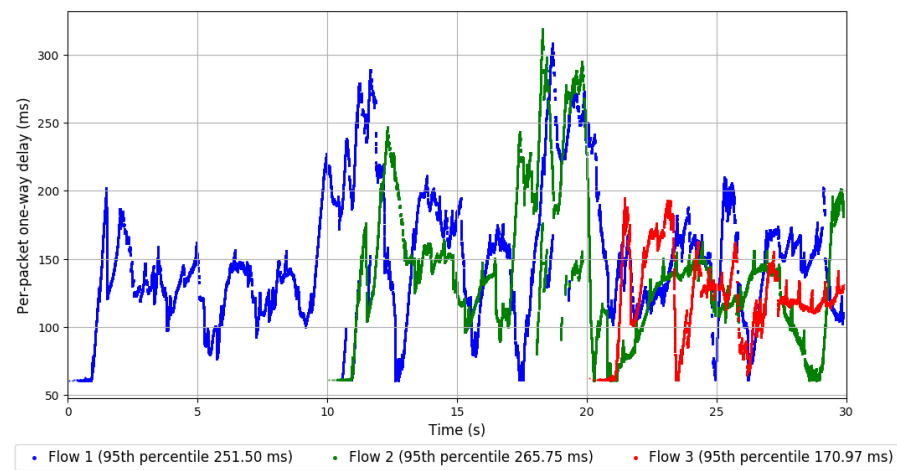
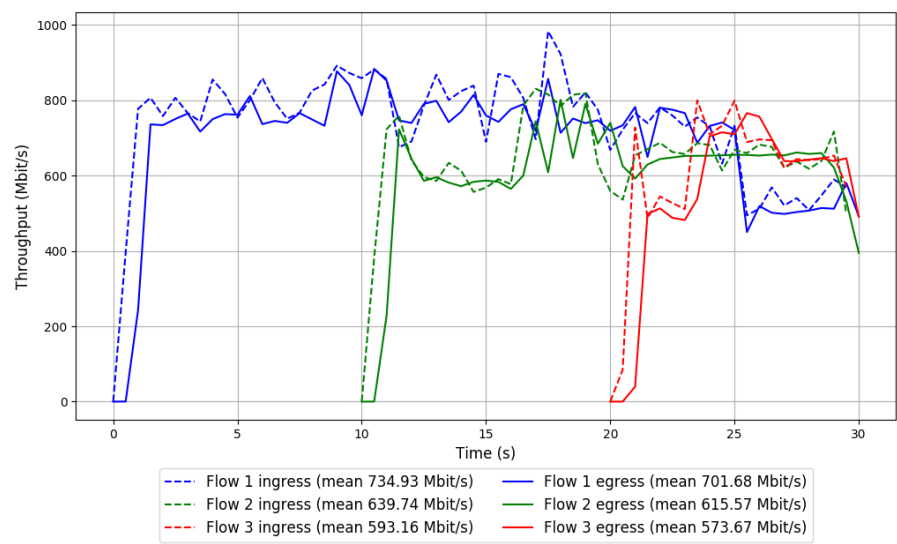
-- Flow 3:

Average throughput: 573.67 Mbit/s

95th percentile per-packet one-way delay: 170.973 ms

Loss rate: 4.48%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-05 07:30:44

End at: 2018-07-05 07:31:14

Local clock offset: -0.052 ms

Remote clock offset: 0.246 ms

Below is generated by plot.py at 2018-07-05 10:37:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 1181.14 Mbit/s

95th percentile per-packet one-way delay: 260.173 ms

Loss rate: 7.00%

-- Flow 1:

Average throughput: 578.36 Mbit/s

95th percentile per-packet one-way delay: 277.048 ms

Loss rate: 6.87%

-- Flow 2:

Average throughput: 650.99 Mbit/s

95th percentile per-packet one-way delay: 231.372 ms

Loss rate: 6.72%

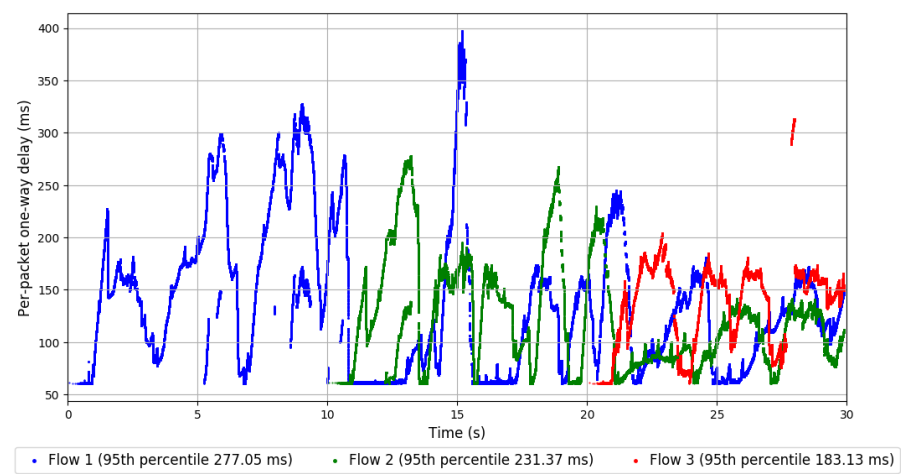
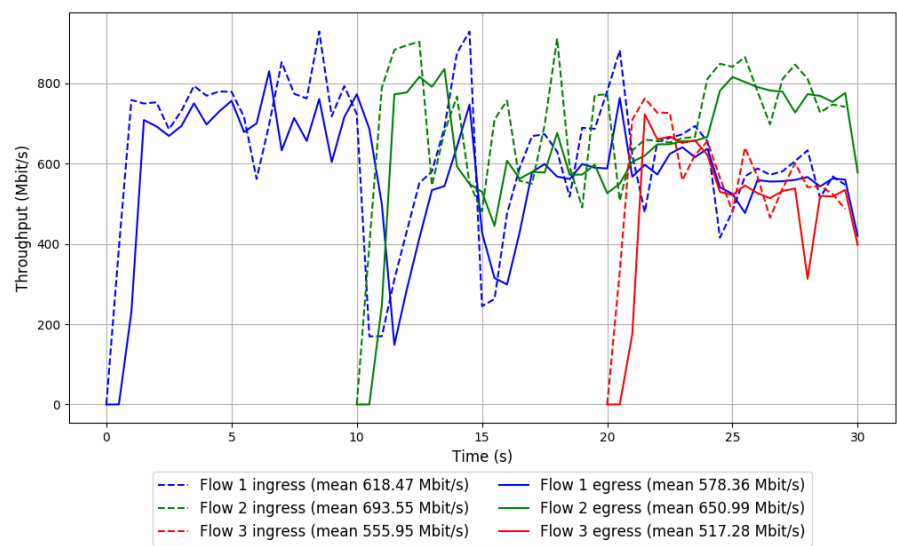
-- Flow 3:

Average throughput: 517.28 Mbit/s

95th percentile per-packet one-way delay: 183.134 ms

Loss rate: 8.12%

Run 6: Report of FillP — Data Link

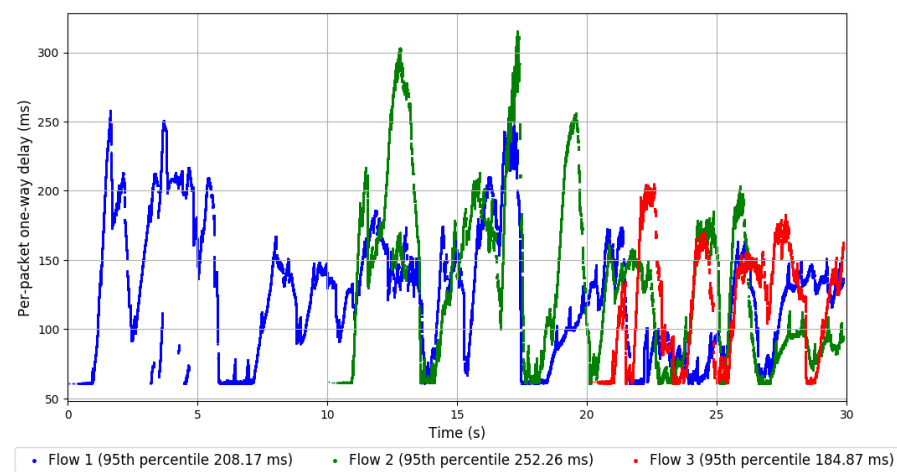
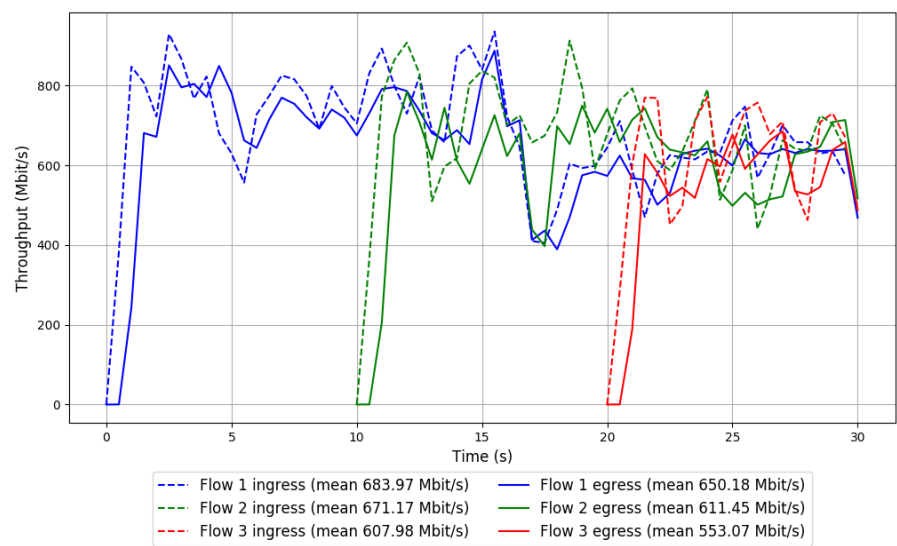


Run 7: Statistics of FillP

Start at: 2018-07-05 07:55:47
End at: 2018-07-05 07:56:17
Local clock offset: -0.02 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-05 10:37:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 1238.13 Mbit/s
95th percentile per-packet one-way delay: 212.299 ms
Loss rate: 7.46%
-- Flow 1:
Average throughput: 650.18 Mbit/s
95th percentile per-packet one-way delay: 208.170 ms
Loss rate: 5.34%
-- Flow 2:
Average throughput: 611.45 Mbit/s
95th percentile per-packet one-way delay: 252.258 ms
Loss rate: 9.48%
-- Flow 3:
Average throughput: 553.07 Mbit/s
95th percentile per-packet one-way delay: 184.874 ms
Loss rate: 10.19%

Run 7: Report of FillP — Data Link

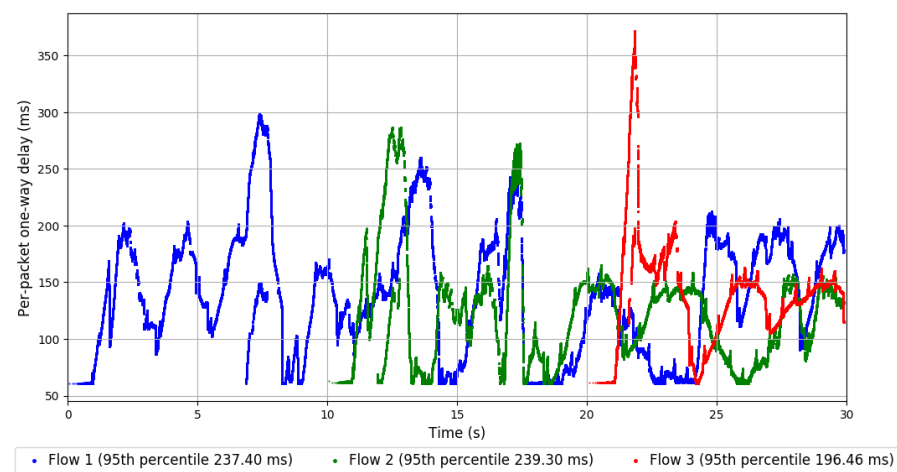
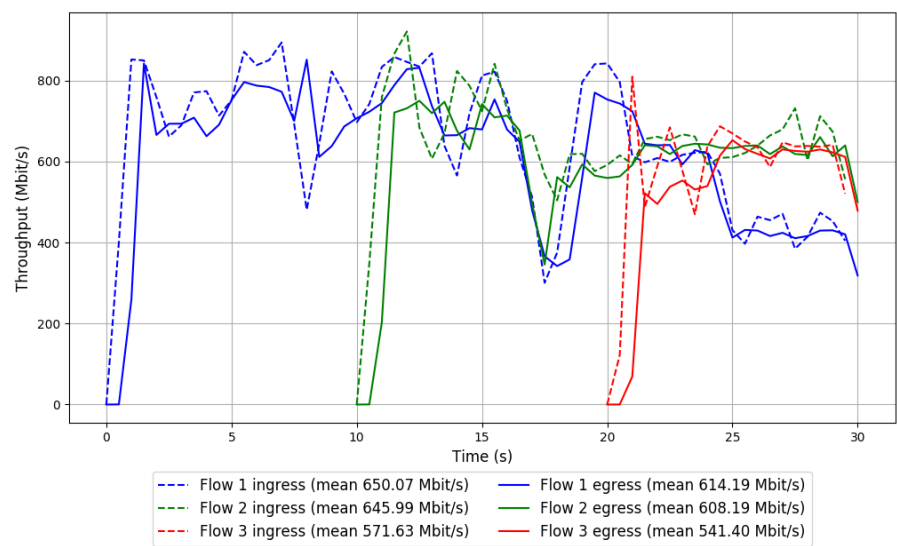


Run 8: Statistics of FillP

Start at: 2018-07-05 08:20:52
End at: 2018-07-05 08:21:22
Local clock offset: -0.056 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-07-05 10:37:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 1195.95 Mbit/s
95th percentile per-packet one-way delay: 235.411 ms
Loss rate: 6.17%
-- Flow 1:
Average throughput: 614.19 Mbit/s
95th percentile per-packet one-way delay: 237.399 ms
Loss rate: 5.90%
-- Flow 2:
Average throughput: 608.19 Mbit/s
95th percentile per-packet one-way delay: 239.304 ms
Loss rate: 6.44%
-- Flow 3:
Average throughput: 541.40 Mbit/s
95th percentile per-packet one-way delay: 196.457 ms
Loss rate: 6.47%

Run 8: Report of FillP — Data Link

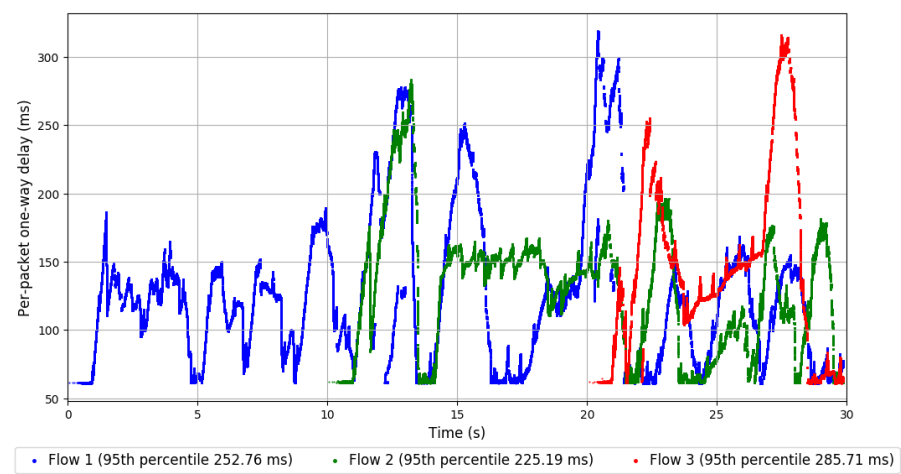
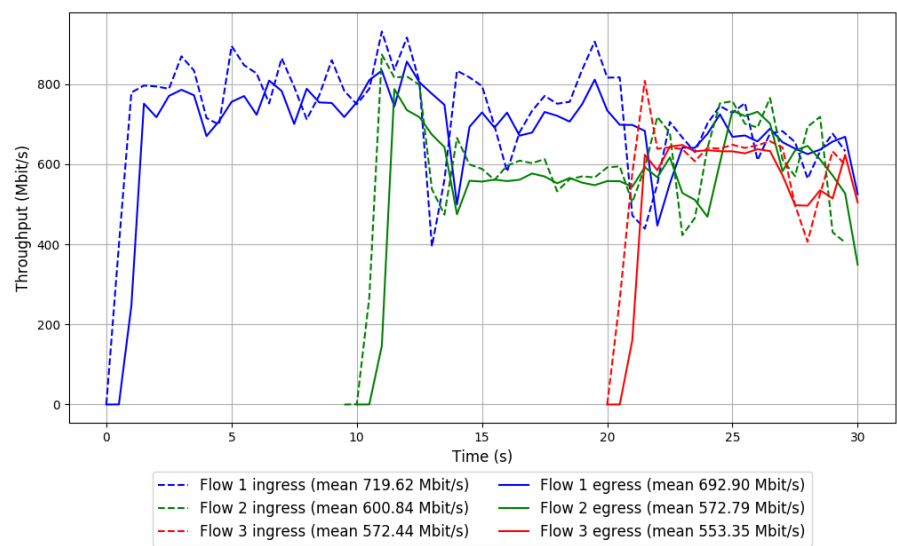


Run 9: Statistics of FillP

Start at: 2018-07-05 08:45:34
End at: 2018-07-05 08:46:04
Local clock offset: -0.02 ms
Remote clock offset: -0.287 ms

Below is generated by plot.py at 2018-07-05 11:04:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 1255.43 Mbit/s
95th percentile per-packet one-way delay: 247.954 ms
Loss rate: 4.52%
-- Flow 1:
Average throughput: 692.90 Mbit/s
95th percentile per-packet one-way delay: 252.756 ms
Loss rate: 4.11%
-- Flow 2:
Average throughput: 572.79 Mbit/s
95th percentile per-packet one-way delay: 225.185 ms
Loss rate: 5.26%
-- Flow 3:
Average throughput: 553.35 Mbit/s
95th percentile per-packet one-way delay: 285.713 ms
Loss rate: 4.54%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-05 09:10:48

End at: 2018-07-05 09:11:18

Local clock offset: 0.063 ms

Remote clock offset: 1.188 ms

Below is generated by plot.py at 2018-07-05 11:05:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 1220.69 Mbit/s

95th percentile per-packet one-way delay: 278.438 ms

Loss rate: 5.89%

-- Flow 1:

Average throughput: 689.99 Mbit/s

95th percentile per-packet one-way delay: 266.153 ms

Loss rate: 4.92%

-- Flow 2:

Average throughput: 556.85 Mbit/s

95th percentile per-packet one-way delay: 304.494 ms

Loss rate: 6.82%

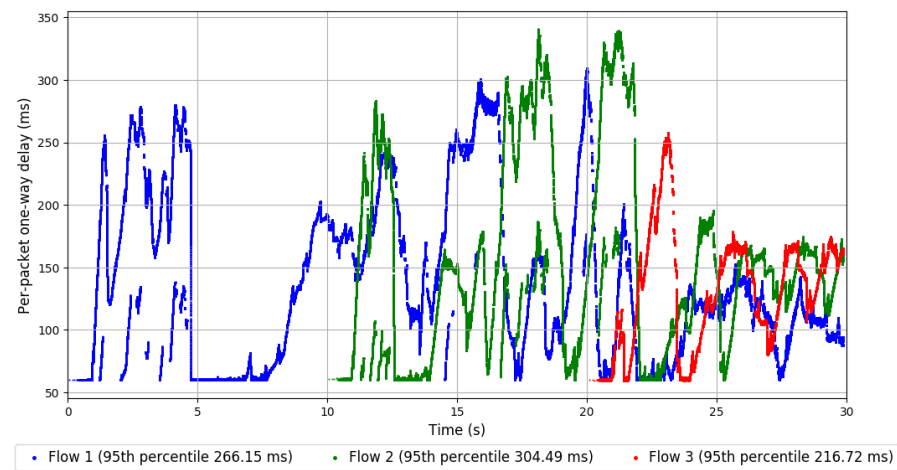
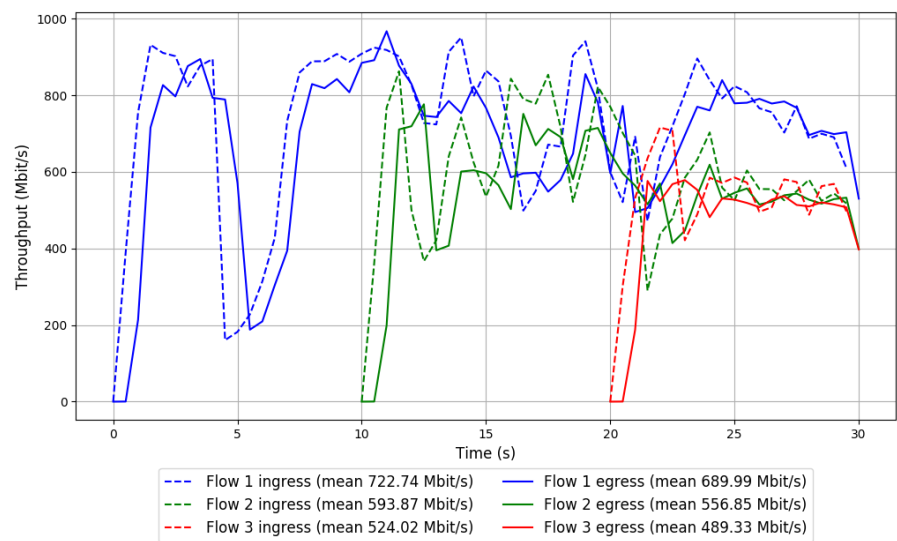
-- Flow 3:

Average throughput: 489.33 Mbit/s

95th percentile per-packet one-way delay: 216.720 ms

Loss rate: 7.78%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-05 05:13:55

End at: 2018-07-05 05:14:25

Local clock offset: 0.266 ms

Remote clock offset: 0.273 ms

Below is generated by plot.py at 2018-07-05 11:05:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 1203.70 Mbit/s

95th percentile per-packet one-way delay: 248.085 ms

Loss rate: 9.02%

-- Flow 1:

Average throughput: 613.88 Mbit/s

95th percentile per-packet one-way delay: 207.332 ms

Loss rate: 10.72%

-- Flow 2:

Average throughput: 593.92 Mbit/s

95th percentile per-packet one-way delay: 262.543 ms

Loss rate: 9.12%

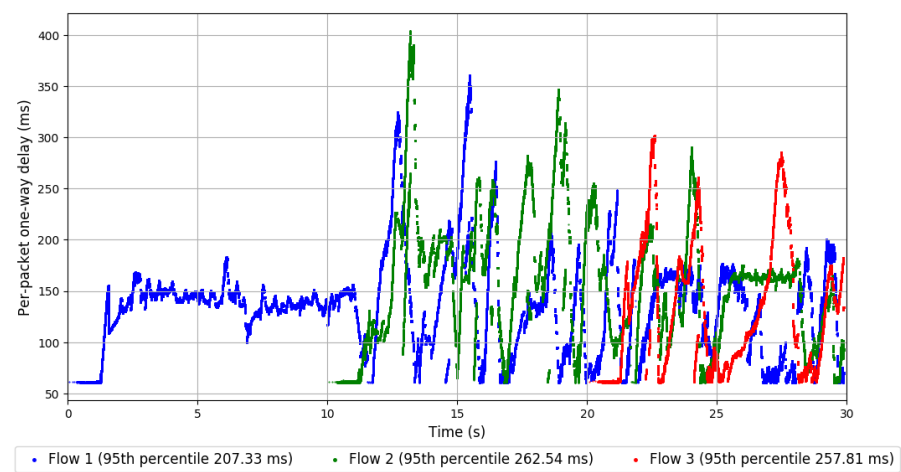
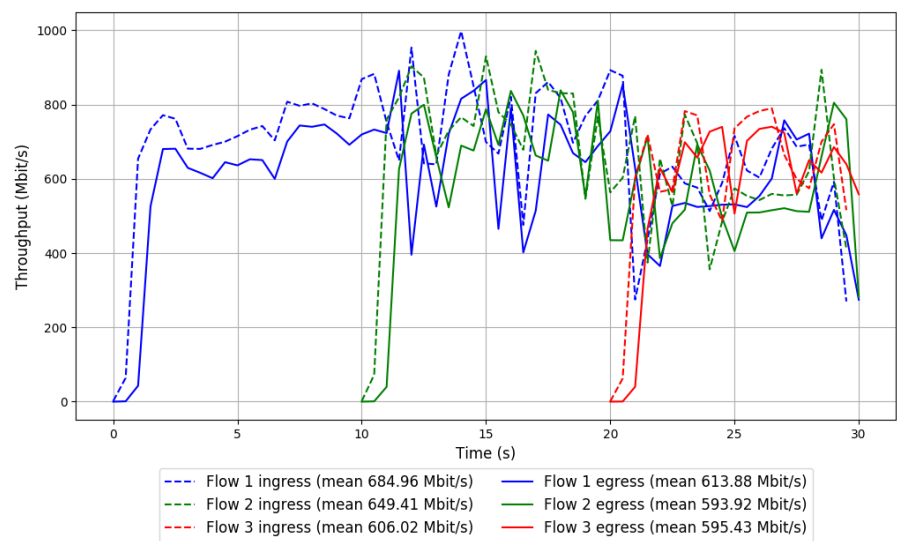
-- Flow 3:

Average throughput: 595.43 Mbit/s

95th percentile per-packet one-way delay: 257.807 ms

Loss rate: 2.96%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-05 05:39:00

End at: 2018-07-05 05:39:30

Local clock offset: -0.09 ms

Remote clock offset: 0.095 ms

Below is generated by plot.py at 2018-07-05 11:05:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 486.75 Mbit/s

95th percentile per-packet one-way delay: 308.138 ms

Loss rate: 17.07%

-- Flow 1:

Average throughput: 195.01 Mbit/s

95th percentile per-packet one-way delay: 308.587 ms

Loss rate: 9.73%

-- Flow 2:

Average throughput: 163.05 Mbit/s

95th percentile per-packet one-way delay: 295.620 ms

Loss rate: 17.06%

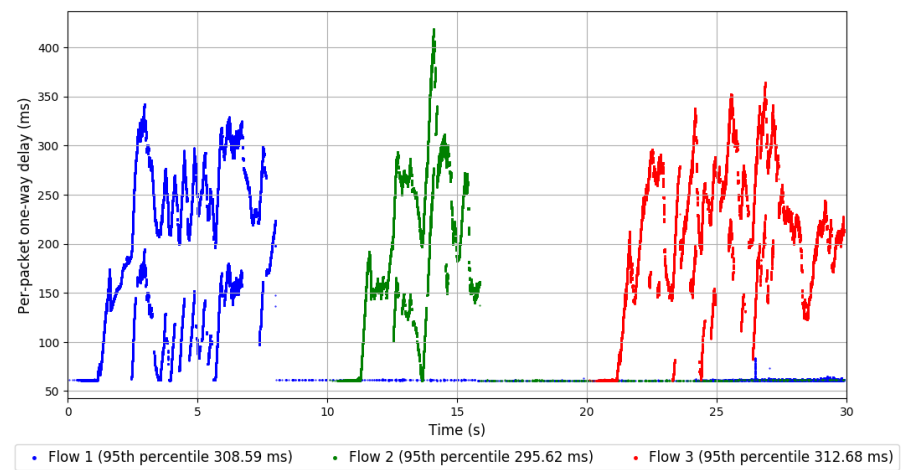
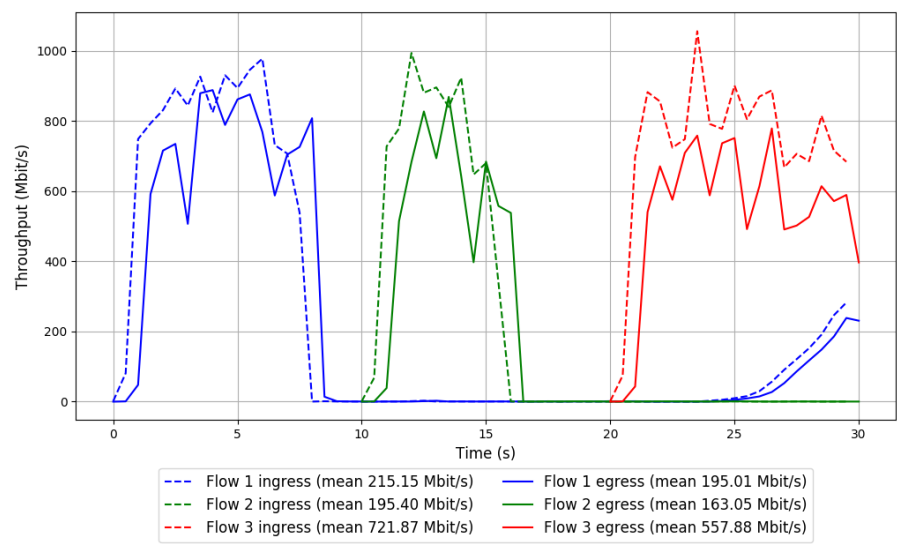
-- Flow 3:

Average throughput: 557.88 Mbit/s

95th percentile per-packet one-way delay: 312.678 ms

Loss rate: 23.67%

Run 2: Report of FillP-Sheep — Data Link

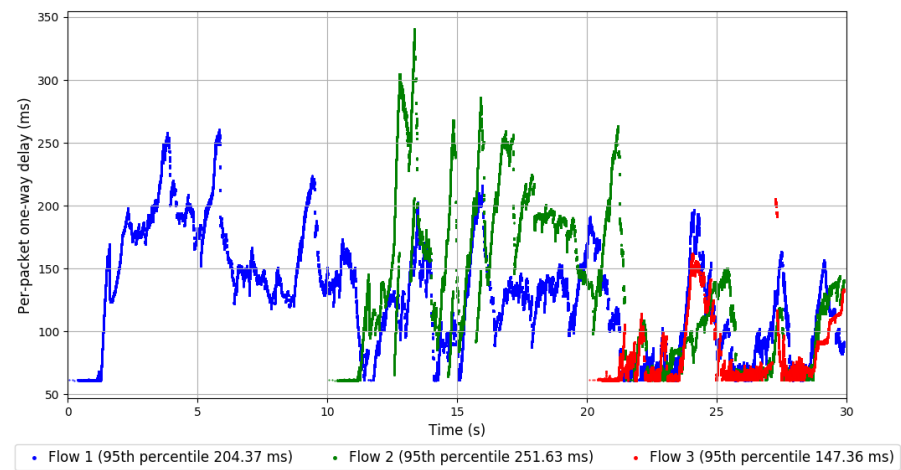
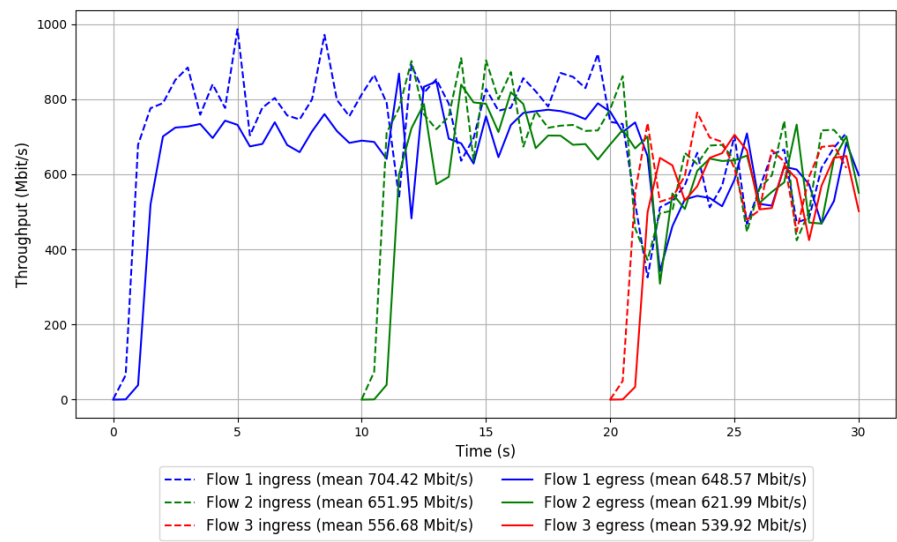


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-05 06:03:52
End at: 2018-07-05 06:04:22
Local clock offset: -0.056 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-05 11:07:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 1239.30 Mbit/s
95th percentile per-packet one-way delay: 220.052 ms
Loss rate: 6.72%
-- Flow 1:
Average throughput: 648.57 Mbit/s
95th percentile per-packet one-way delay: 204.372 ms
Loss rate: 8.31%
-- Flow 2:
Average throughput: 621.99 Mbit/s
95th percentile per-packet one-way delay: 251.631 ms
Loss rate: 5.19%
-- Flow 3:
Average throughput: 539.92 Mbit/s
95th percentile per-packet one-way delay: 147.359 ms
Loss rate: 4.23%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-05 06:29:12

End at: 2018-07-05 06:29:42

Local clock offset: -0.076 ms

Remote clock offset: 0.274 ms

Below is generated by plot.py at 2018-07-05 11:08:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 1169.40 Mbit/s

95th percentile per-packet one-way delay: 207.051 ms

Loss rate: 10.81%

-- Flow 1:

Average throughput: 597.28 Mbit/s

95th percentile per-packet one-way delay: 224.802 ms

Loss rate: 11.67%

-- Flow 2:

Average throughput: 611.62 Mbit/s

95th percentile per-packet one-way delay: 176.268 ms

Loss rate: 11.28%

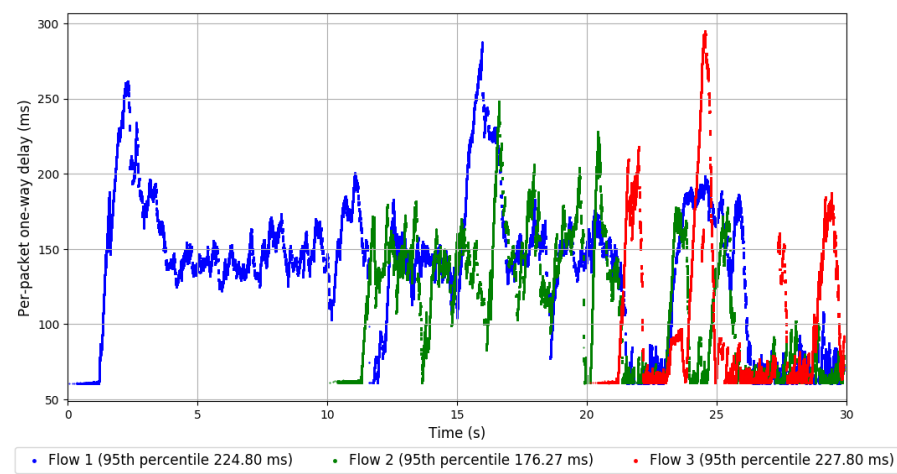
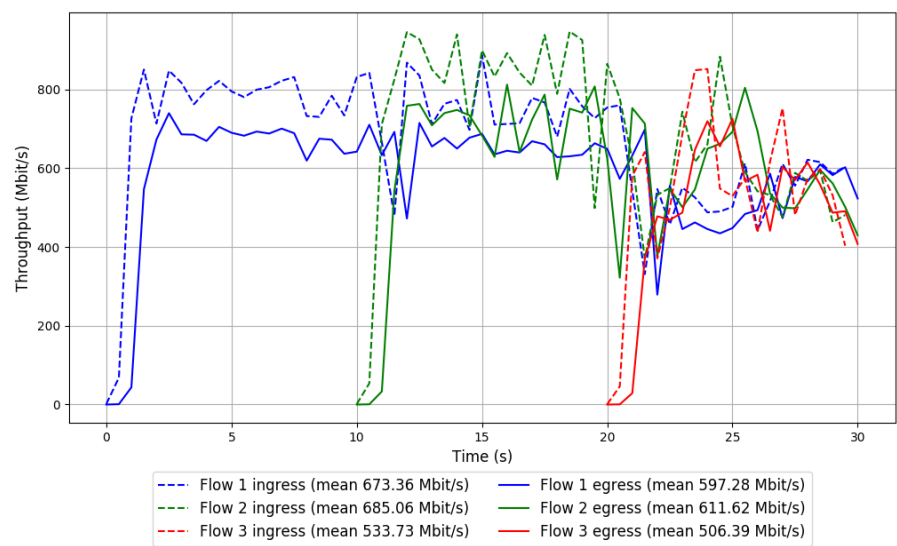
-- Flow 3:

Average throughput: 506.39 Mbit/s

95th percentile per-packet one-way delay: 227.801 ms

Loss rate: 6.31%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-05 06:54:32

End at: 2018-07-05 06:55:02

Local clock offset: -0.072 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-07-05 11:09:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 1203.26 Mbit/s

95th percentile per-packet one-way delay: 277.102 ms

Loss rate: 7.52%

-- Flow 1:

Average throughput: 611.34 Mbit/s

95th percentile per-packet one-way delay: 287.811 ms

Loss rate: 9.76%

-- Flow 2:

Average throughput: 625.01 Mbit/s

95th percentile per-packet one-way delay: 237.349 ms

Loss rate: 5.56%

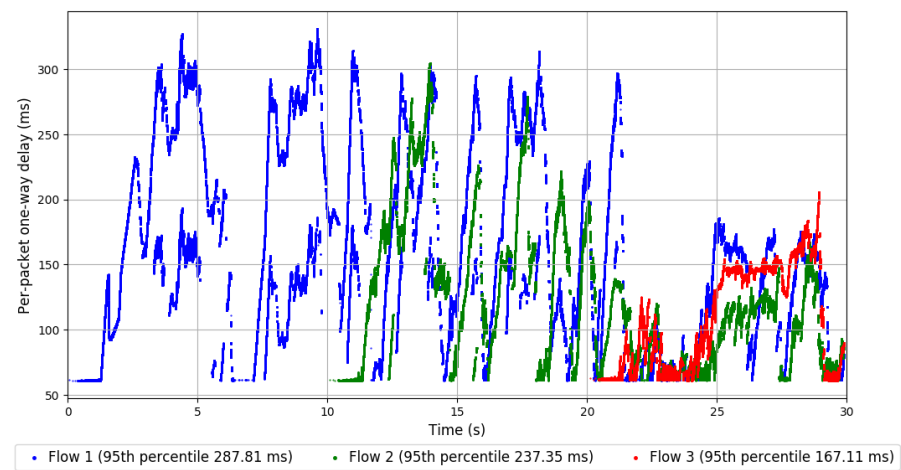
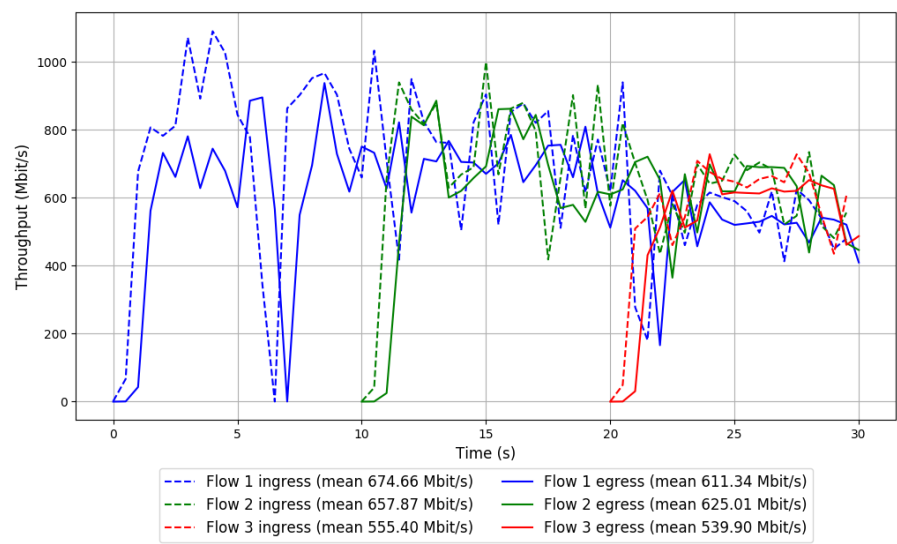
-- Flow 3:

Average throughput: 539.90 Mbit/s

95th percentile per-packet one-way delay: 167.109 ms

Loss rate: 4.00%

Run 5: Report of FillP-Sheep — Data Link

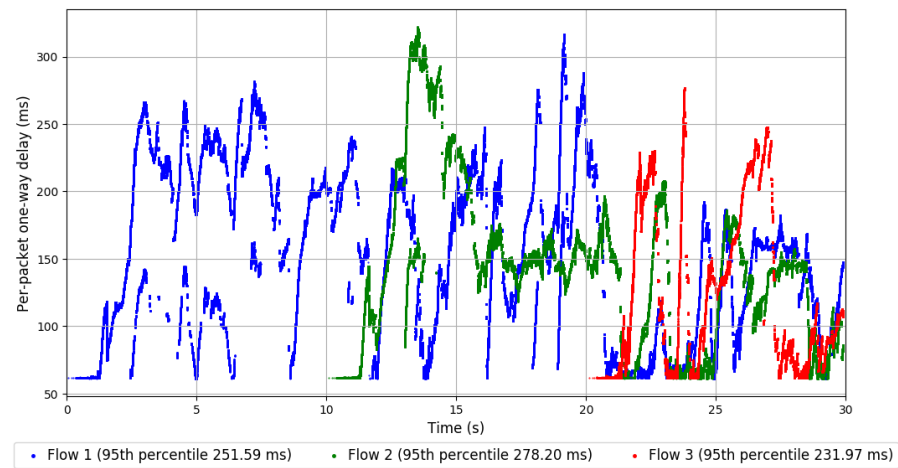
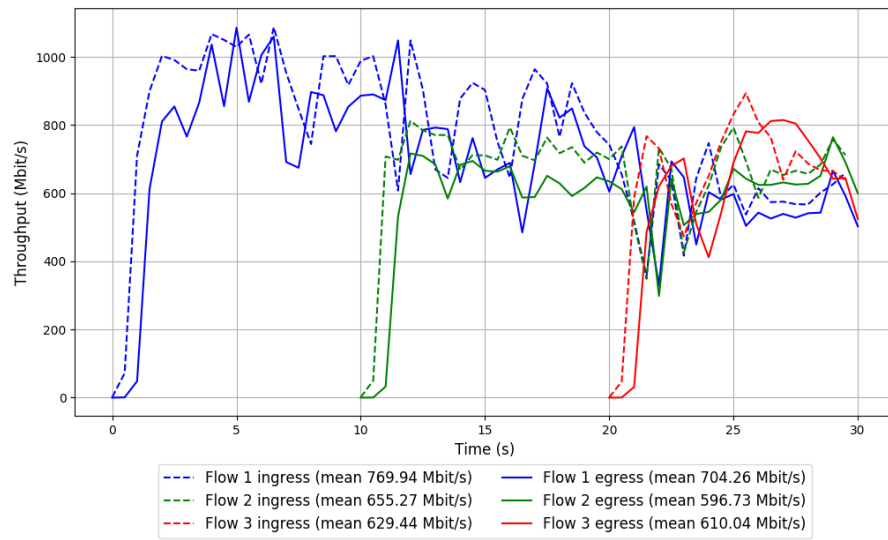


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-05 07:19:41
End at: 2018-07-05 07:20:11
Local clock offset: -0.078 ms
Remote clock offset: -0.365 ms

Below is generated by plot.py at 2018-07-05 11:12:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 1300.37 Mbit/s
95th percentile per-packet one-way delay: 251.500 ms
Loss rate: 8.41%
-- Flow 1:
Average throughput: 704.26 Mbit/s
95th percentile per-packet one-way delay: 251.586 ms
Loss rate: 8.91%
-- Flow 2:
Average throughput: 596.73 Mbit/s
95th percentile per-packet one-way delay: 278.203 ms
Loss rate: 9.50%
-- Flow 3:
Average throughput: 610.04 Mbit/s
95th percentile per-packet one-way delay: 231.973 ms
Loss rate: 4.28%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-05 07:45:00

End at: 2018-07-05 07:45:30

Local clock offset: -0.054 ms

Remote clock offset: 0.23 ms

Below is generated by plot.py at 2018-07-05 11:12:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 722.02 Mbit/s

95th percentile per-packet one-way delay: 286.136 ms

Loss rate: 15.36%

-- Flow 1:

Average throughput: 129.20 Mbit/s

95th percentile per-packet one-way delay: 313.644 ms

Loss rate: 17.52%

-- Flow 2:

Average throughput: 694.75 Mbit/s

95th percentile per-packet one-way delay: 288.225 ms

Loss rate: 12.56%

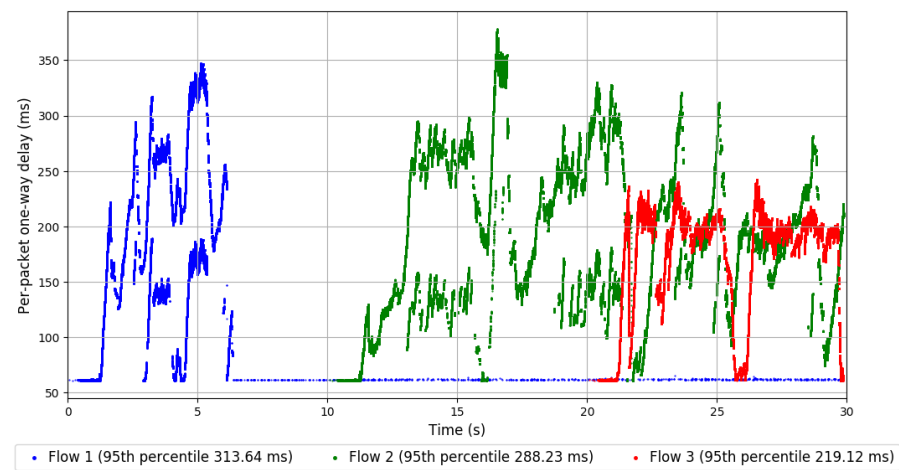
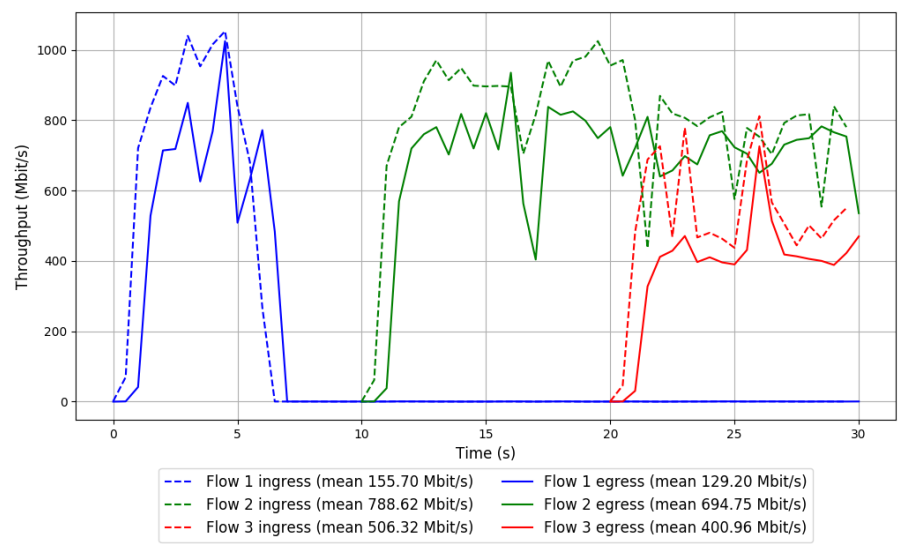
-- Flow 3:

Average throughput: 400.96 Mbit/s

95th percentile per-packet one-way delay: 219.123 ms

Loss rate: 22.12%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-05 08:10:05

End at: 2018-07-05 08:10:35

Local clock offset: -0.055 ms

Remote clock offset: 1.266 ms

Below is generated by plot.py at 2018-07-05 11:29:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 894.11 Mbit/s

95th percentile per-packet one-way delay: 274.478 ms

Loss rate: 6.71%

-- Flow 1:

Average throughput: 405.54 Mbit/s

95th percentile per-packet one-way delay: 266.607 ms

Loss rate: 6.14%

-- Flow 2:

Average throughput: 513.28 Mbit/s

95th percentile per-packet one-way delay: 304.103 ms

Loss rate: 8.88%

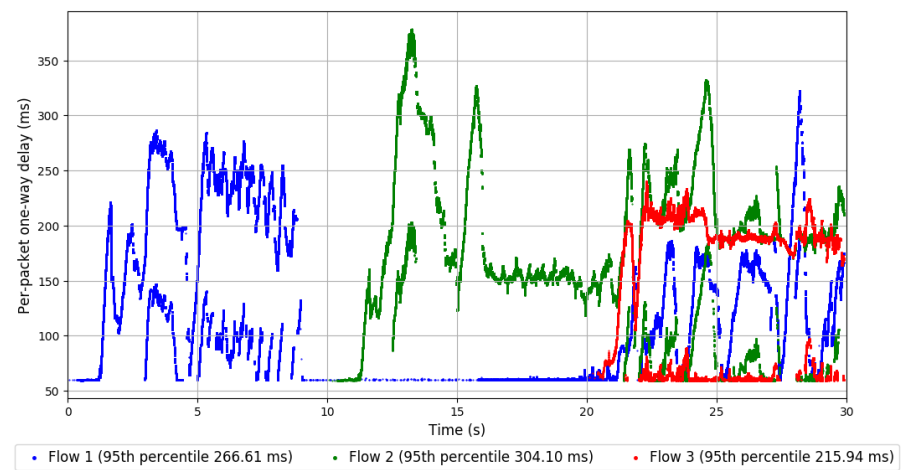
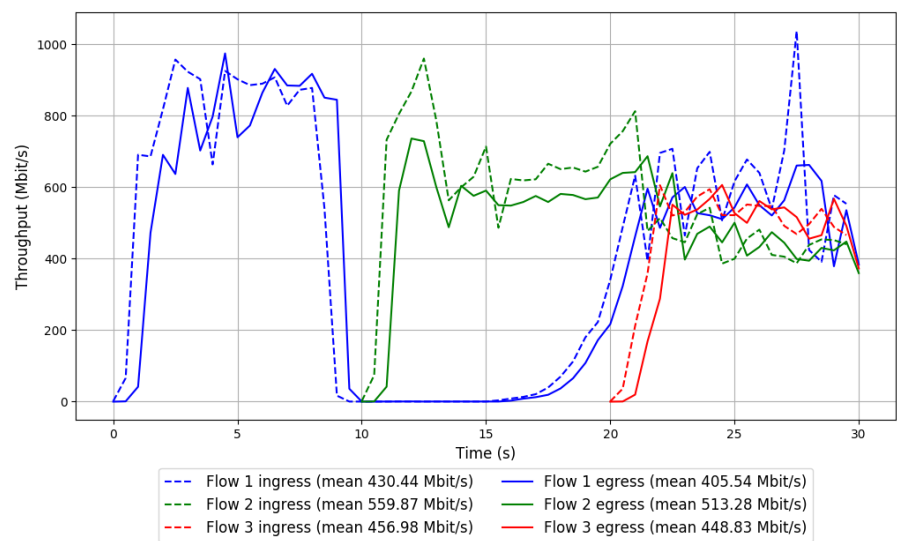
-- Flow 3:

Average throughput: 448.83 Mbit/s

95th percentile per-packet one-way delay: 215.945 ms

Loss rate: 3.01%

Run 8: Report of FillP-Sheep — Data Link

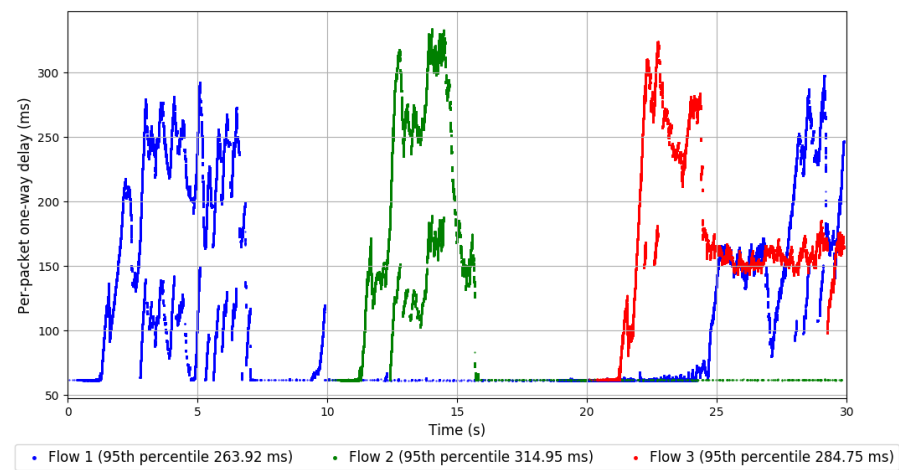
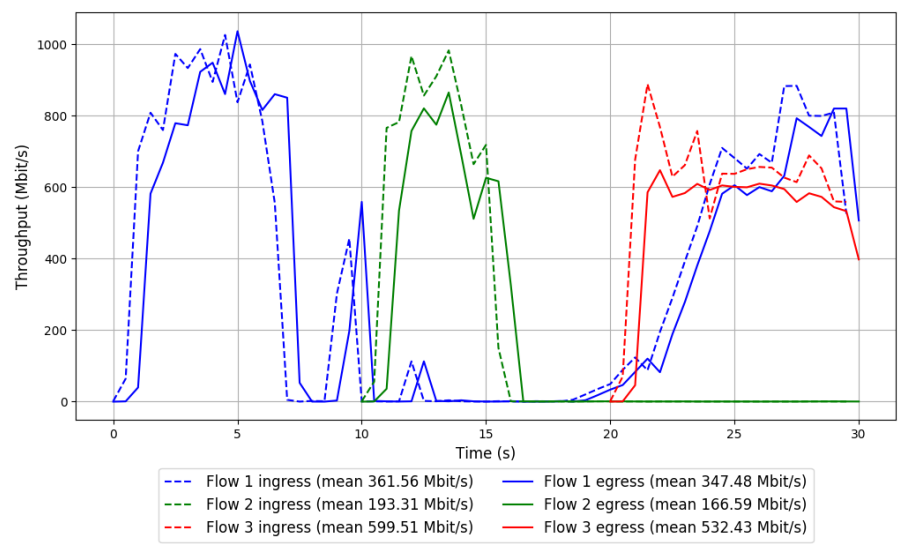


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-05 08:35:04
End at: 2018-07-05 08:35:34
Local clock offset: -0.084 ms
Remote clock offset: -0.344 ms

Below is generated by plot.py at 2018-07-05 11:29:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 632.73 Mbit/s
95th percentile per-packet one-way delay: 280.759 ms
Loss rate: 8.52%
-- Flow 1:
Average throughput: 347.48 Mbit/s
95th percentile per-packet one-way delay: 263.920 ms
Loss rate: 4.29%
-- Flow 2:
Average throughput: 166.59 Mbit/s
95th percentile per-packet one-way delay: 314.952 ms
Loss rate: 14.60%
-- Flow 3:
Average throughput: 532.43 Mbit/s
95th percentile per-packet one-way delay: 284.746 ms
Loss rate: 12.28%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-05 08:59:53

End at: 2018-07-05 09:00:23

Local clock offset: 0.017 ms

Remote clock offset: -1.31 ms

Below is generated by plot.py at 2018-07-05 11:37:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 1116.68 Mbit/s

95th percentile per-packet one-way delay: 264.155 ms

Loss rate: 9.49%

-- Flow 1:

Average throughput: 600.43 Mbit/s

95th percentile per-packet one-way delay: 263.086 ms

Loss rate: 10.21%

-- Flow 2:

Average throughput: 580.57 Mbit/s

95th percentile per-packet one-way delay: 221.147 ms

Loss rate: 10.04%

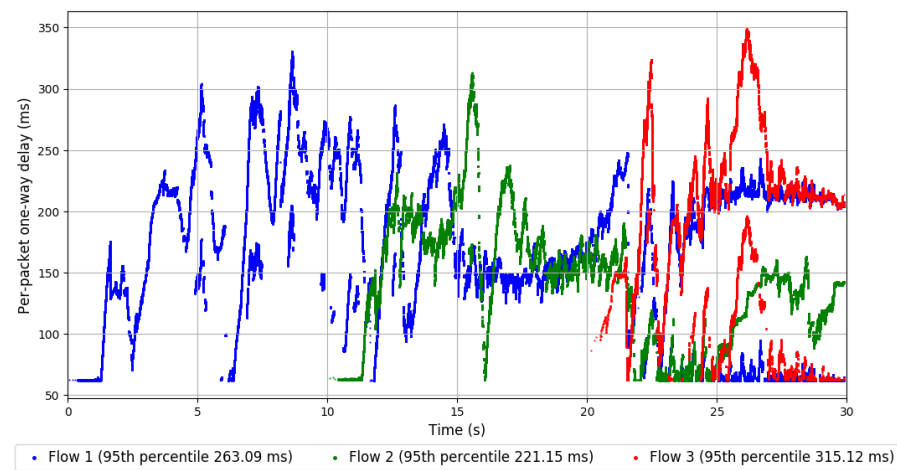
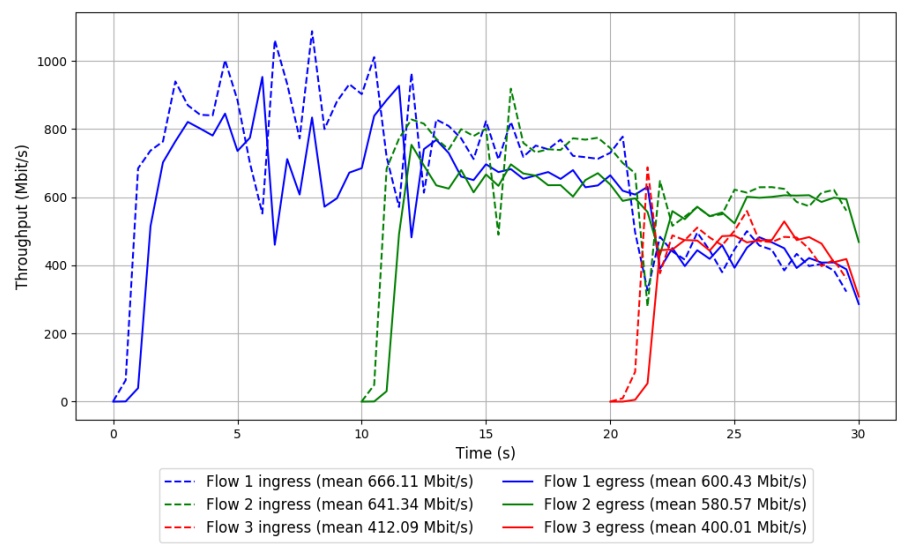
-- Flow 3:

Average throughput: 400.01 Mbit/s

95th percentile per-packet one-way delay: 315.116 ms

Loss rate: 4.28%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-07-05 05:28:11

End at: 2018-07-05 05:28:41

Local clock offset: 0.004 ms

Remote clock offset: 0.211 ms

Below is generated by plot.py at 2018-07-05 11:37:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 395.53 Mbit/s

95th percentile per-packet one-way delay: 90.146 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 206.47 Mbit/s

95th percentile per-packet one-way delay: 87.579 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 203.27 Mbit/s

95th percentile per-packet one-way delay: 90.318 ms

Loss rate: 0.58%

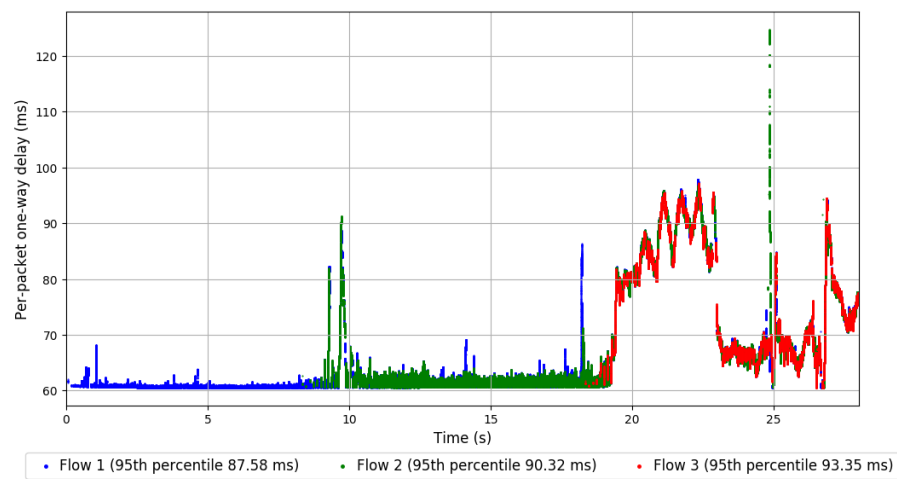
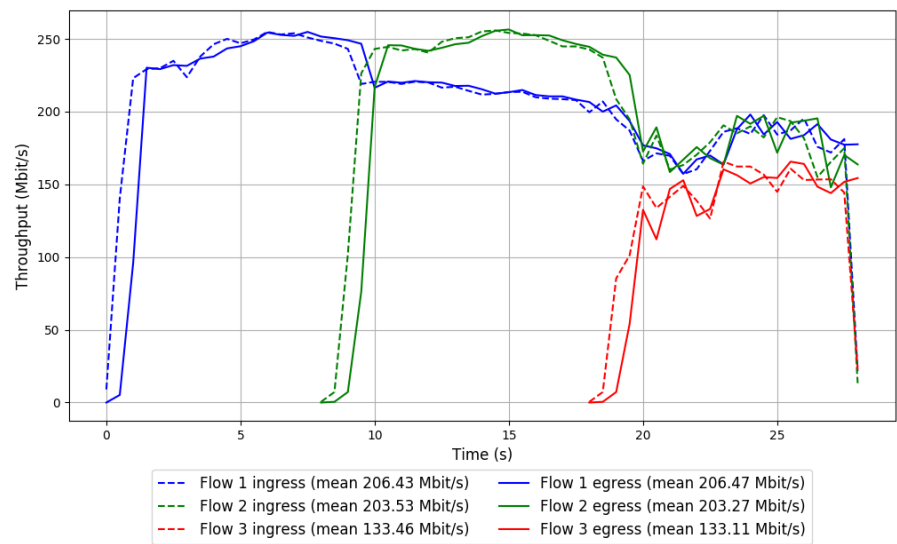
-- Flow 3:

Average throughput: 133.11 Mbit/s

95th percentile per-packet one-way delay: 93.349 ms

Loss rate: 1.51%

Run 1: Report of Indigo — Data Link

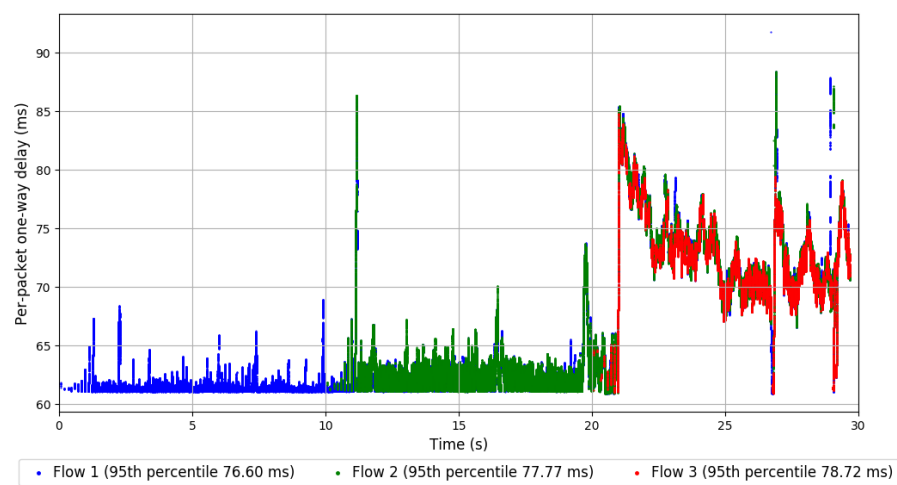
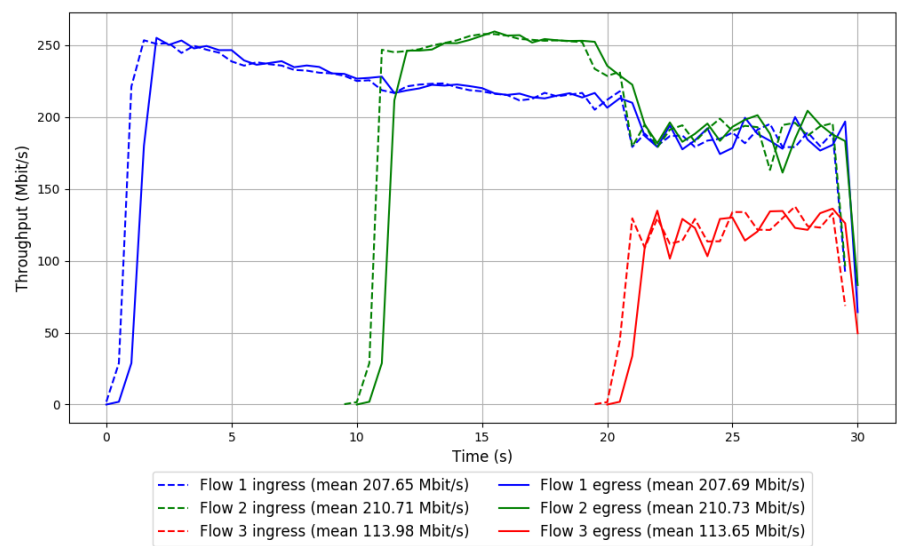


Run 2: Statistics of Indigo

Start at: 2018-07-05 05:52:55
End at: 2018-07-05 05:53:25
Local clock offset: -0.053 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-05 11:37:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 384.28 Mbit/s
95th percentile per-packet one-way delay: 77.526 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 207.69 Mbit/s
95th percentile per-packet one-way delay: 76.596 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 210.73 Mbit/s
95th percentile per-packet one-way delay: 77.767 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 113.65 Mbit/s
95th percentile per-packet one-way delay: 78.721 ms
Loss rate: 1.54%

Run 2: Report of Indigo — Data Link

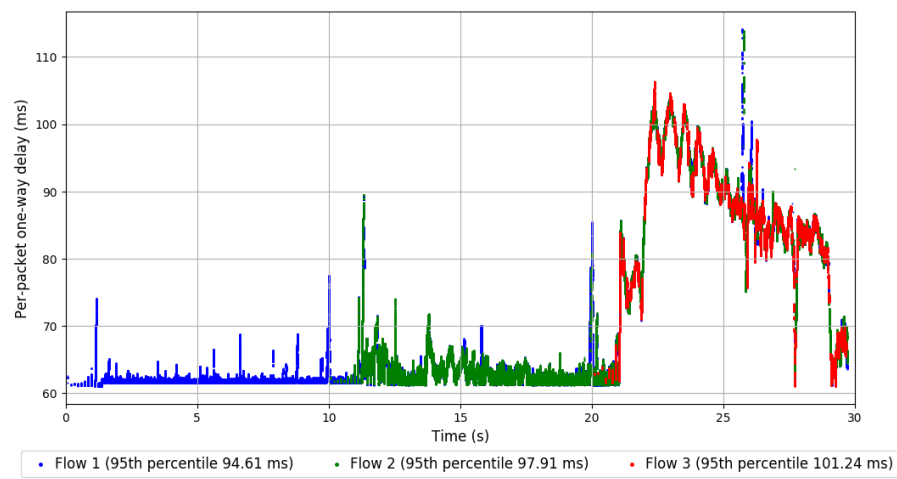
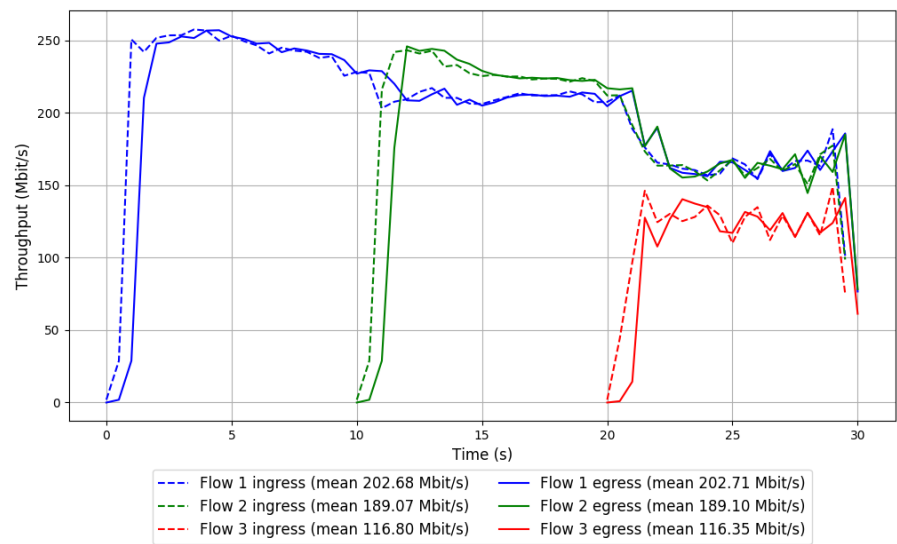


Run 3: Statistics of Indigo

Start at: 2018-07-05 06:18:24
End at: 2018-07-05 06:18:54
Local clock offset: -0.036 ms
Remote clock offset: -0.274 ms

Below is generated by plot.py at 2018-07-05 11:37:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 365.49 Mbit/s
95th percentile per-packet one-way delay: 97.442 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 202.71 Mbit/s
95th percentile per-packet one-way delay: 94.613 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 189.10 Mbit/s
95th percentile per-packet one-way delay: 97.911 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 116.35 Mbit/s
95th percentile per-packet one-way delay: 101.238 ms
Loss rate: 1.66%

Run 3: Report of Indigo — Data Link

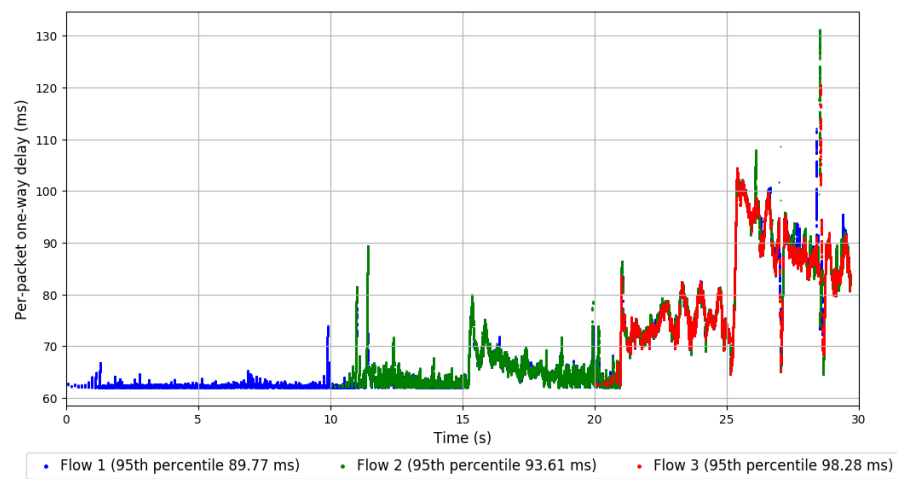
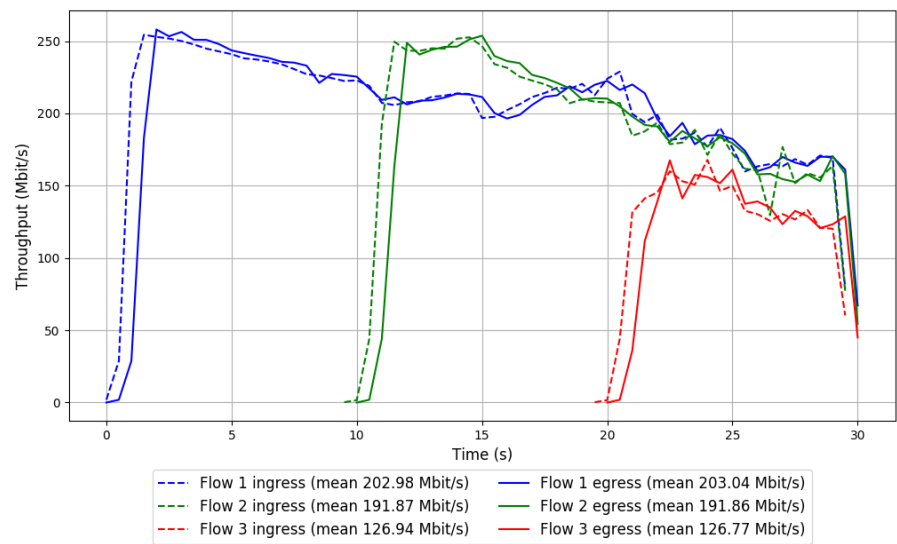


Run 4: Statistics of Indigo

Start at: 2018-07-05 06:43:41
End at: 2018-07-05 06:44:11
Local clock offset: -0.046 ms
Remote clock offset: -1.344 ms

Below is generated by plot.py at 2018-07-05 11:37:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 371.39 Mbit/s
95th percentile per-packet one-way delay: 93.725 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 203.04 Mbit/s
95th percentile per-packet one-way delay: 89.774 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 191.86 Mbit/s
95th percentile per-packet one-way delay: 93.606 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 126.77 Mbit/s
95th percentile per-packet one-way delay: 98.277 ms
Loss rate: 1.39%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-05 07:08:51

End at: 2018-07-05 07:09:21

Local clock offset: -0.042 ms

Remote clock offset: 0.952 ms

Below is generated by plot.py at 2018-07-05 11:37:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 364.70 Mbit/s

95th percentile per-packet one-way delay: 91.594 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 204.09 Mbit/s

95th percentile per-packet one-way delay: 90.115 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 186.73 Mbit/s

95th percentile per-packet one-way delay: 91.879 ms

Loss rate: 0.60%

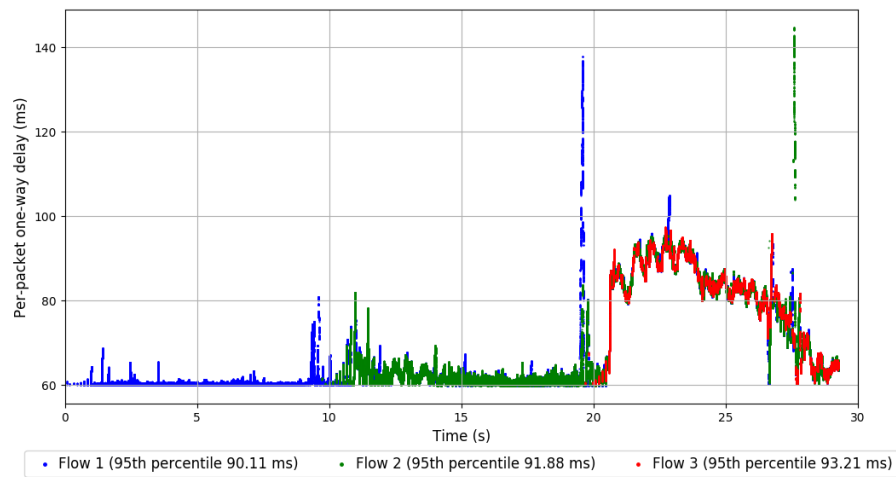
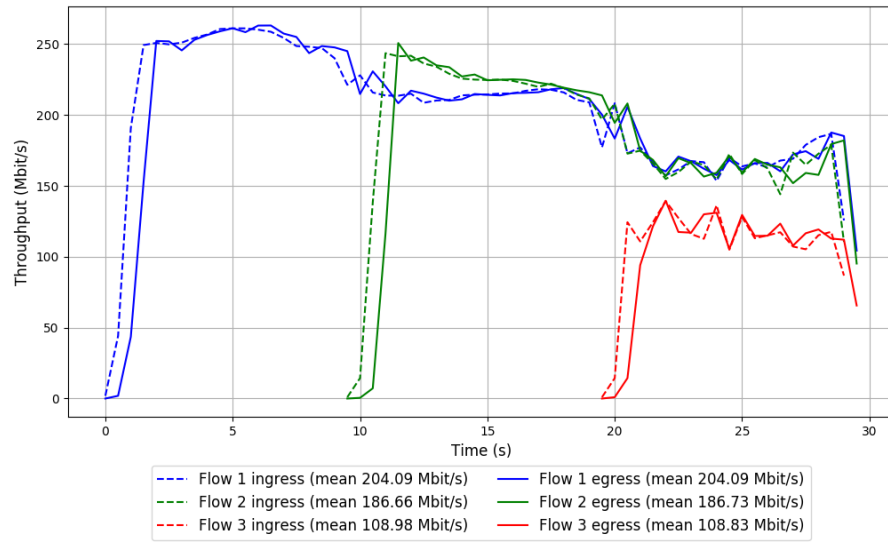
-- Flow 3:

Average throughput: 108.83 Mbit/s

95th percentile per-packet one-way delay: 93.209 ms

Loss rate: 1.37%

Run 5: Report of Indigo — Data Link

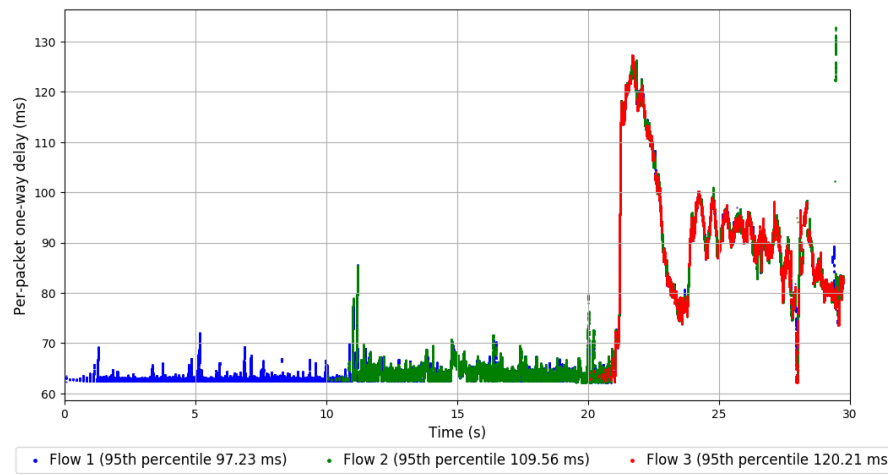
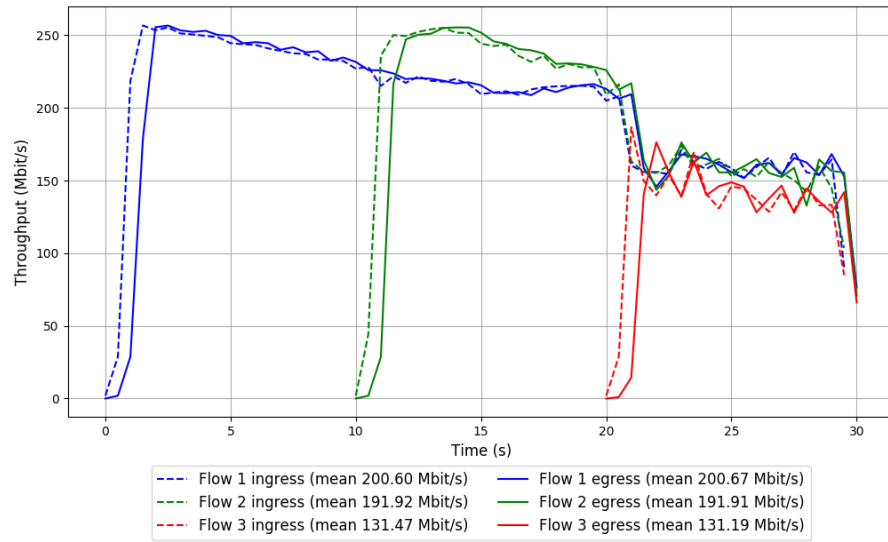


Run 6: Statistics of Indigo

Start at: 2018-07-05 07:34:06
End at: 2018-07-05 07:34:36
Local clock offset: -0.015 ms
Remote clock offset: -1.329 ms

Below is generated by plot.py at 2018-07-05 11:37:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 370.28 Mbit/s
95th percentile per-packet one-way delay: 109.835 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 200.67 Mbit/s
95th percentile per-packet one-way delay: 97.231 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 191.91 Mbit/s
95th percentile per-packet one-way delay: 109.564 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 131.19 Mbit/s
95th percentile per-packet one-way delay: 120.211 ms
Loss rate: 1.47%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-05 07:59:14

End at: 2018-07-05 07:59:44

Local clock offset: -0.099 ms

Remote clock offset: 0.135 ms

Below is generated by plot.py at 2018-07-05 11:37:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 375.49 Mbit/s

95th percentile per-packet one-way delay: 75.305 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 205.04 Mbit/s

95th percentile per-packet one-way delay: 74.860 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 190.55 Mbit/s

95th percentile per-packet one-way delay: 75.546 ms

Loss rate: 0.67%

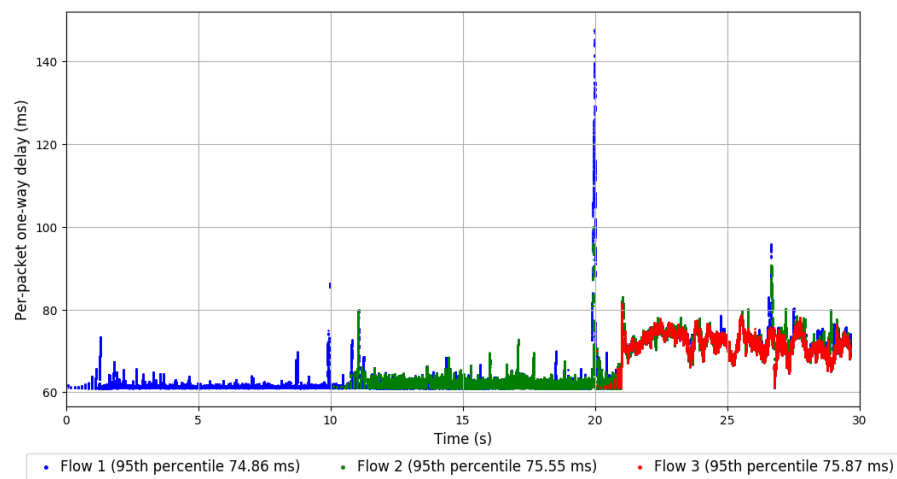
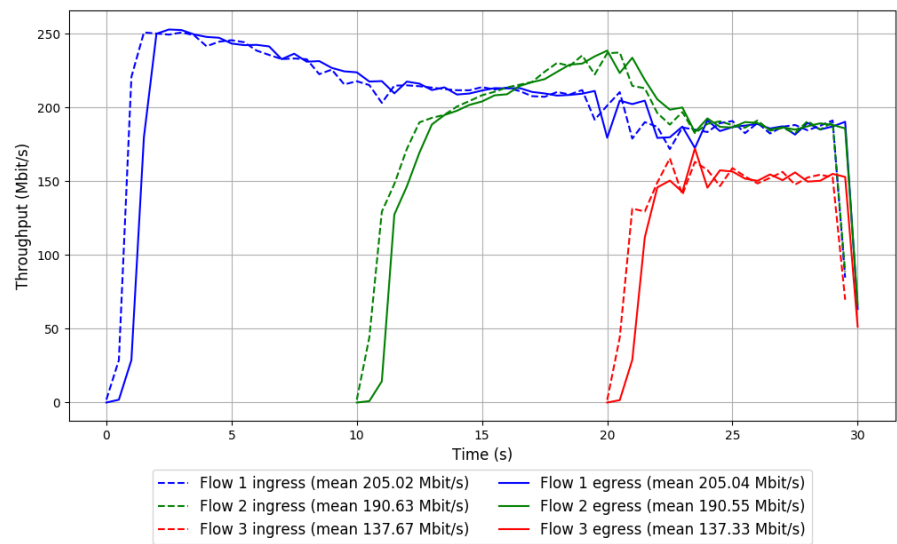
-- Flow 3:

Average throughput: 137.33 Mbit/s

95th percentile per-packet one-way delay: 75.869 ms

Loss rate: 1.49%

Run 7: Report of Indigo — Data Link

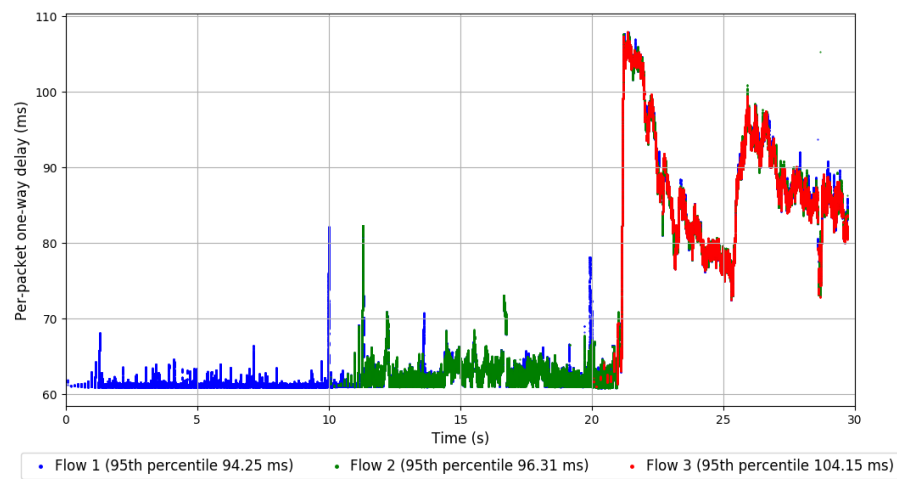
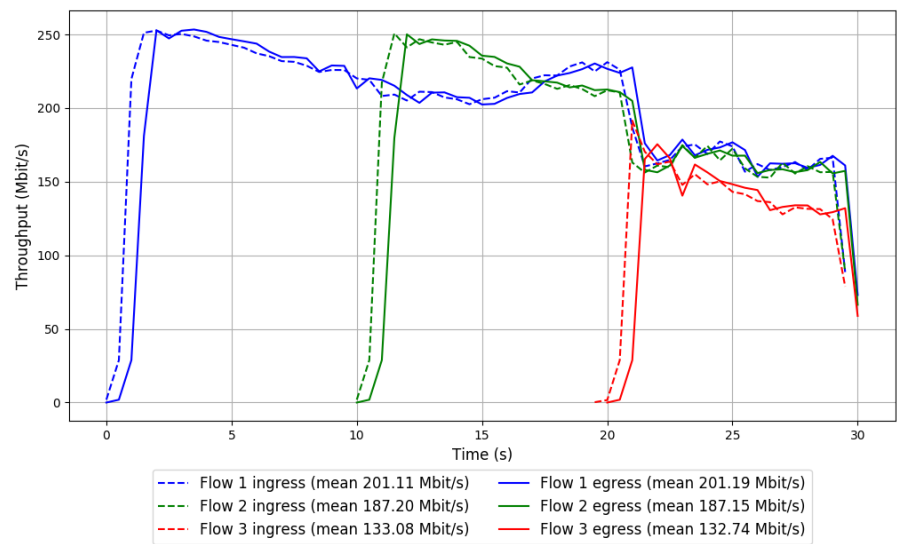


Run 8: Statistics of Indigo

Start at: 2018-07-05 08:24:15
End at: 2018-07-05 08:24:45
Local clock offset: -0.045 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2018-07-05 11:37:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 368.40 Mbit/s
95th percentile per-packet one-way delay: 96.684 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 201.19 Mbit/s
95th percentile per-packet one-way delay: 94.250 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 187.15 Mbit/s
95th percentile per-packet one-way delay: 96.309 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 132.74 Mbit/s
95th percentile per-packet one-way delay: 104.149 ms
Loss rate: 1.51%

Run 8: Report of Indigo — Data Link

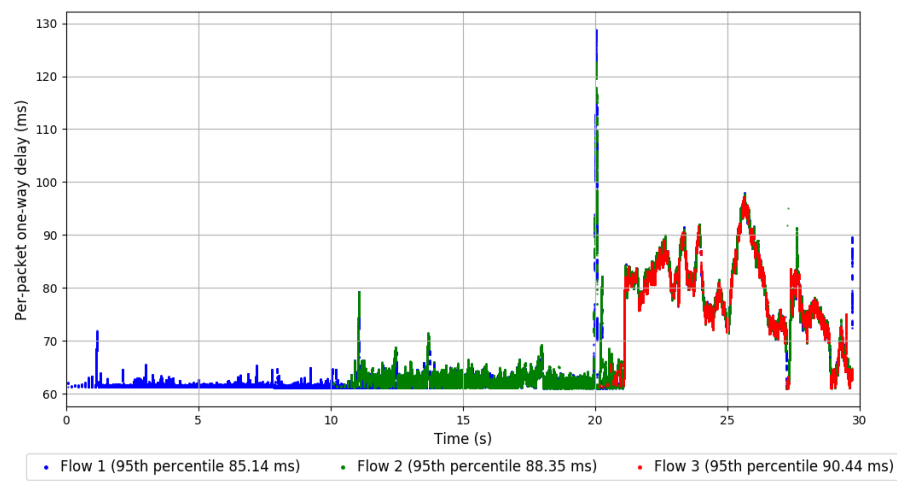
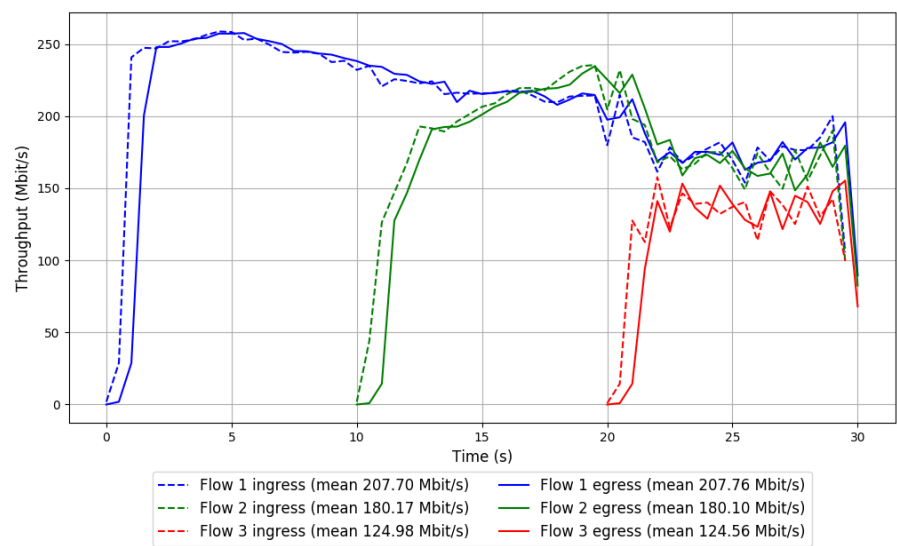


Run 9: Statistics of Indigo

Start at: 2018-07-05 08:48:58
End at: 2018-07-05 08:49:28
Local clock offset: -0.036 ms
Remote clock offset: -0.195 ms

Below is generated by plot.py at 2018-07-05 11:37:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 366.97 Mbit/s
95th percentile per-packet one-way delay: 87.479 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 207.76 Mbit/s
95th percentile per-packet one-way delay: 85.138 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 180.10 Mbit/s
95th percentile per-packet one-way delay: 88.352 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 124.56 Mbit/s
95th percentile per-packet one-way delay: 90.437 ms
Loss rate: 1.60%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-05 09:14:14

End at: 2018-07-05 09:14:44

Local clock offset: 0.044 ms

Remote clock offset: 0.151 ms

Below is generated by plot.py at 2018-07-05 11:37:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 351.24 Mbit/s

95th percentile per-packet one-way delay: 95.705 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 204.91 Mbit/s

95th percentile per-packet one-way delay: 92.554 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 181.95 Mbit/s

95th percentile per-packet one-way delay: 96.489 ms

Loss rate: 0.62%

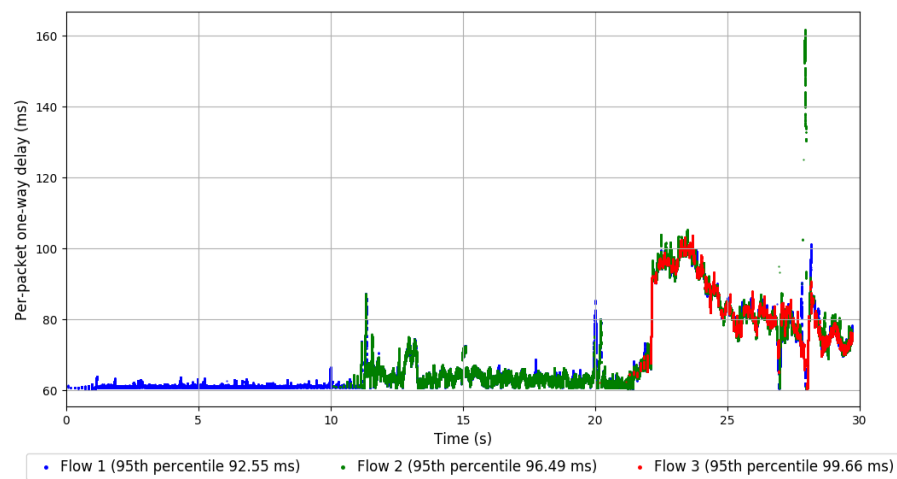
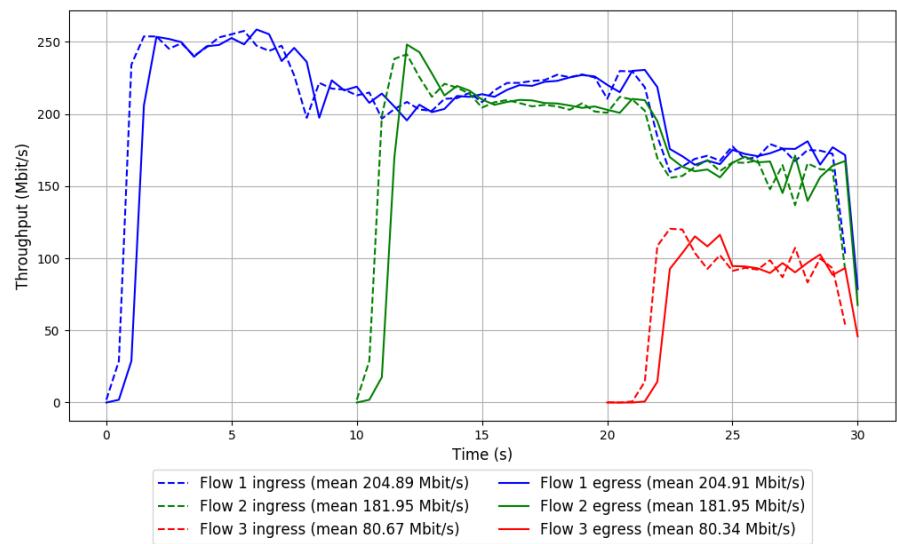
-- Flow 3:

Average throughput: 80.34 Mbit/s

95th percentile per-packet one-way delay: 99.655 ms

Loss rate: 1.62%

Run 10: Report of Indigo — Data Link

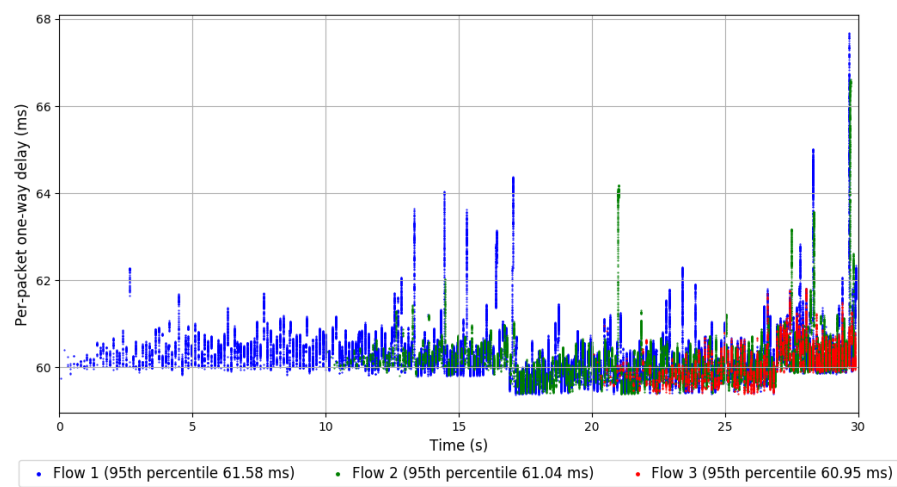
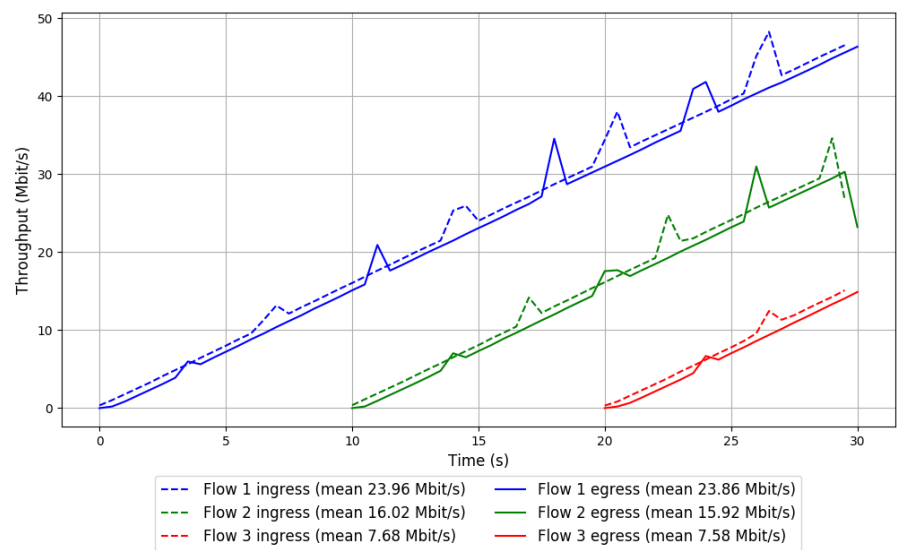


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-05 05:20:09
End at: 2018-07-05 05:20:39
Local clock offset: 0.055 ms
Remote clock offset: 1.339 ms

# Below is generated by plot.py at 2018-07-05 11:37:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 36.90 Mbit/s
95th percentile per-packet one-way delay: 61.392 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 23.86 Mbit/s
95th percentile per-packet one-way delay: 61.580 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 15.92 Mbit/s
95th percentile per-packet one-way delay: 61.036 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 7.58 Mbit/s
95th percentile per-packet one-way delay: 60.949 ms
Loss rate: 2.52%
```


Run 1: Report of LEDBAT — Data Link

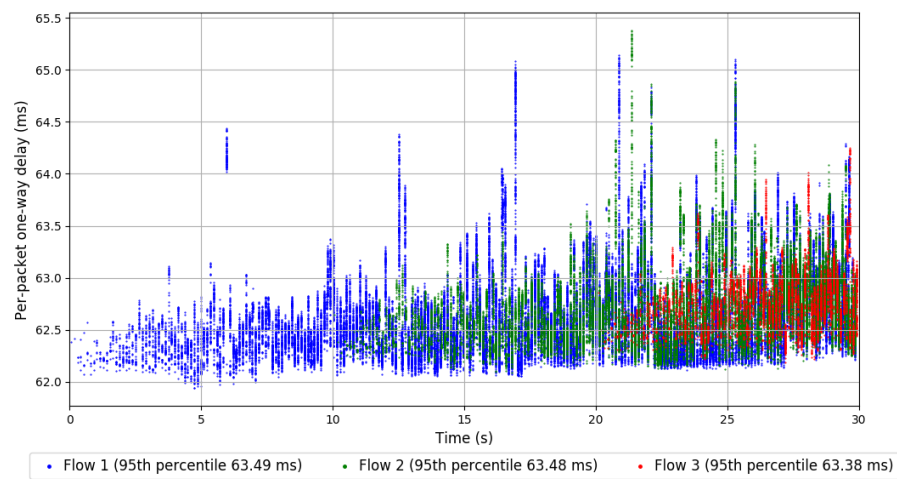
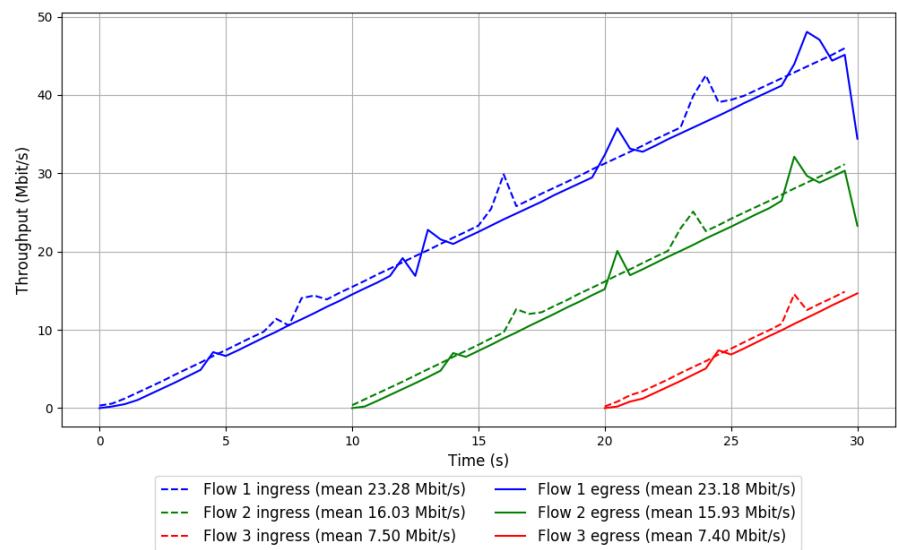


Run 2: Statistics of LEDBAT

Start at: 2018-07-05 05:44:48
End at: 2018-07-05 05:45:18
Local clock offset: -0.062 ms
Remote clock offset: -1.022 ms

Below is generated by plot.py at 2018-07-05 11:37:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.14 Mbit/s
95th percentile per-packet one-way delay: 63.479 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 23.18 Mbit/s
95th percentile per-packet one-way delay: 63.486 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 15.93 Mbit/s
95th percentile per-packet one-way delay: 63.484 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 7.40 Mbit/s
95th percentile per-packet one-way delay: 63.385 ms
Loss rate: 2.55%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-05 06:10:11

End at: 2018-07-05 06:10:41

Local clock offset: -0.057 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-07-05 11:37:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 36.53 Mbit/s

95th percentile per-packet one-way delay: 62.386 ms

Loss rate: 1.06%

-- Flow 1:

Average throughput: 23.40 Mbit/s

95th percentile per-packet one-way delay: 62.422 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 15.91 Mbit/s

95th percentile per-packet one-way delay: 62.214 ms

Loss rate: 1.23%

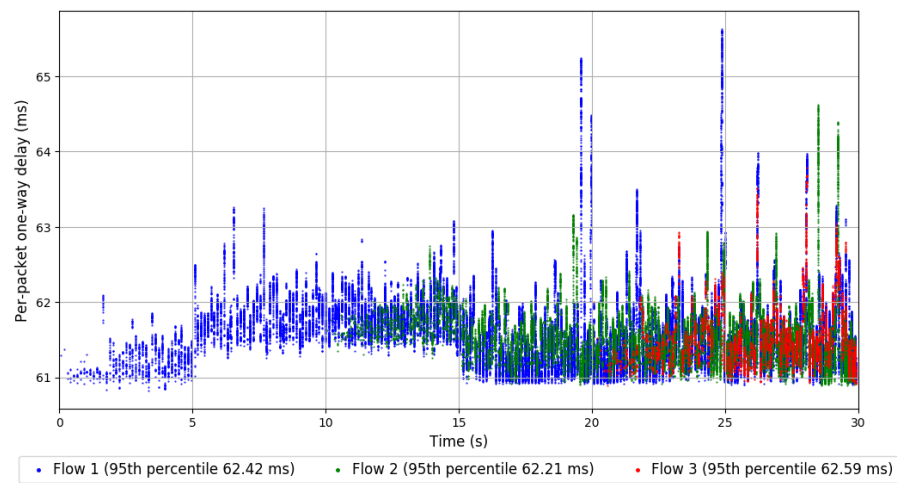
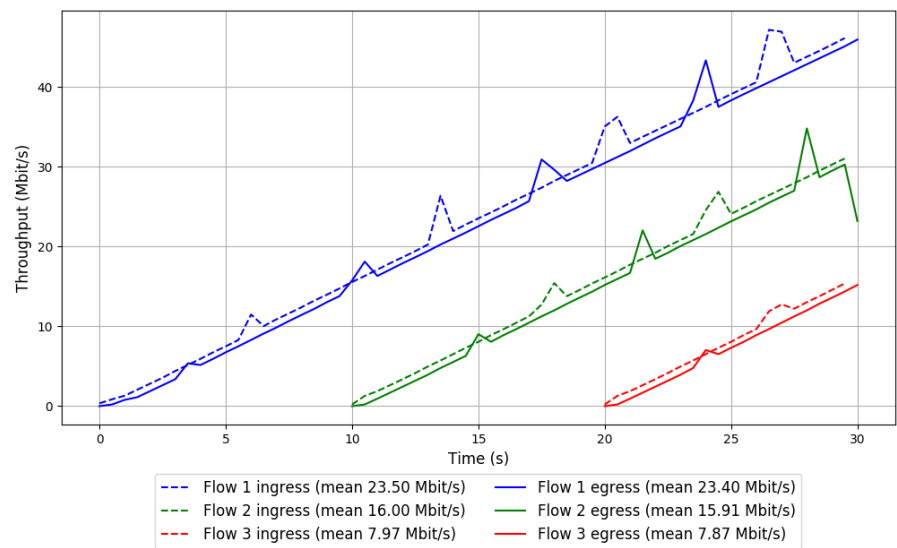
-- Flow 3:

Average throughput: 7.87 Mbit/s

95th percentile per-packet one-way delay: 62.593 ms

Loss rate: 2.47%

Run 3: Report of LEDBAT — Data Link

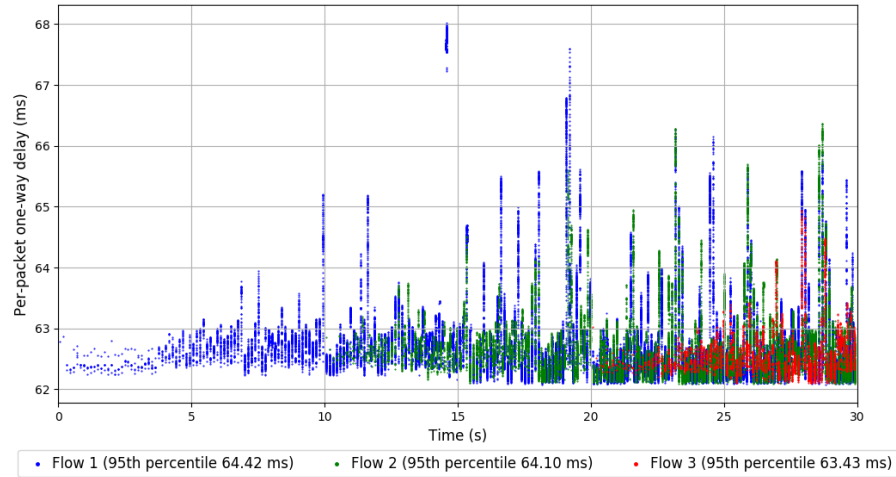
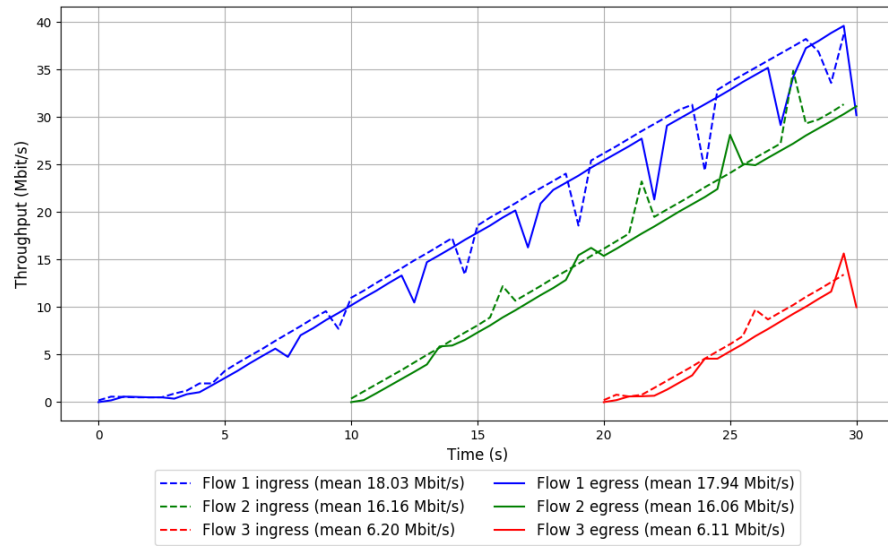


Run 4: Statistics of LEDBAT

Start at: 2018-07-05 06:35:32
End at: 2018-07-05 06:36:02
Local clock offset: -0.037 ms
Remote clock offset: -1.398 ms

Below is generated by plot.py at 2018-07-05 11:37:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.57 Mbit/s
95th percentile per-packet one-way delay: 64.242 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 17.94 Mbit/s
95th percentile per-packet one-way delay: 64.425 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 16.06 Mbit/s
95th percentile per-packet one-way delay: 64.099 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 6.11 Mbit/s
95th percentile per-packet one-way delay: 63.429 ms
Loss rate: 2.79%

Run 4: Report of LEDBAT — Data Link

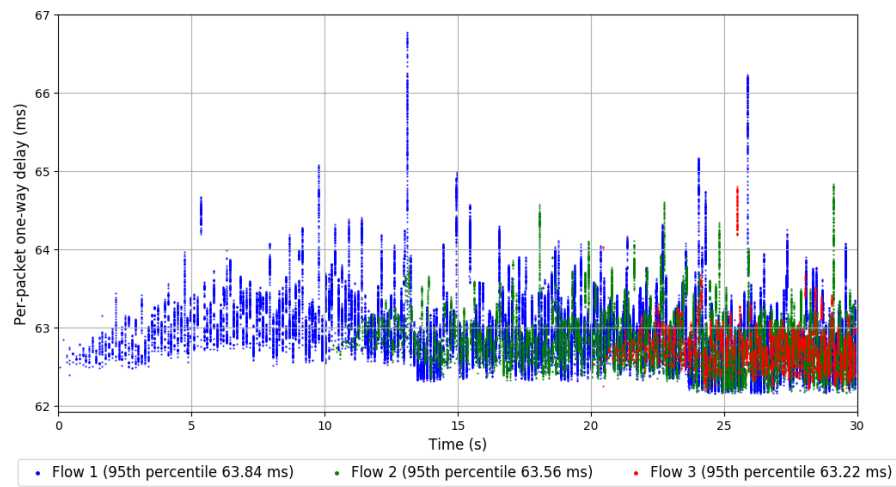
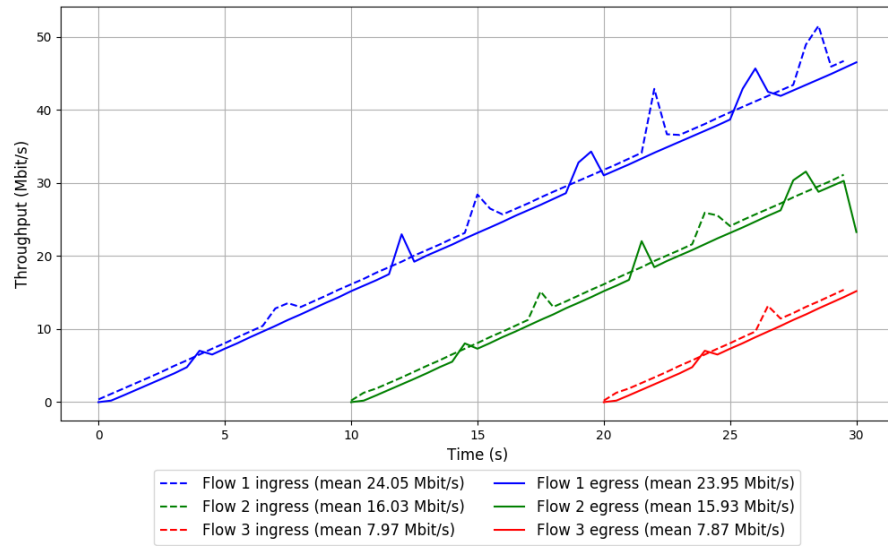


Run 5: Statistics of LEDBAT

Start at: 2018-07-05 07:00:42
End at: 2018-07-05 07:01:12
Local clock offset: 0.006 ms
Remote clock offset: -1.316 ms

Below is generated by plot.py at 2018-07-05 11:37:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.08 Mbit/s
95th percentile per-packet one-way delay: 63.724 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 23.95 Mbit/s
95th percentile per-packet one-way delay: 63.839 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 15.93 Mbit/s
95th percentile per-packet one-way delay: 63.560 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 7.87 Mbit/s
95th percentile per-packet one-way delay: 63.220 ms
Loss rate: 2.47%

Run 5: Report of LEDBAT — Data Link

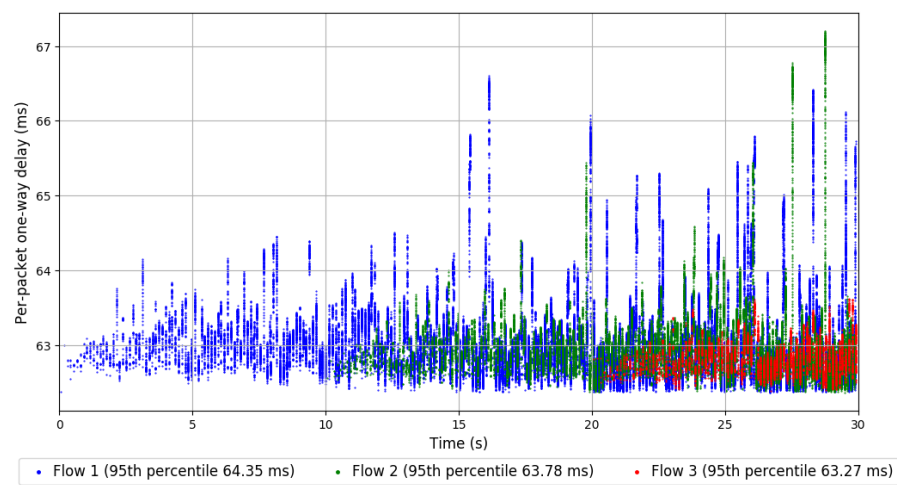
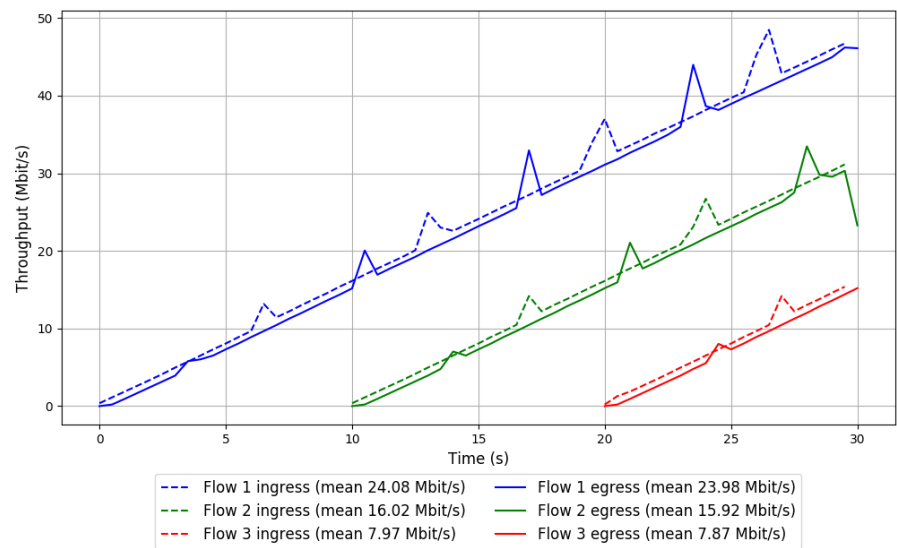


Run 6: Statistics of LEDBAT

Start at: 2018-07-05 07:26:06
End at: 2018-07-05 07:26:36
Local clock offset: -0.041 ms
Remote clock offset: -1.385 ms

Below is generated by plot.py at 2018-07-05 11:37:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.12 Mbit/s
95th percentile per-packet one-way delay: 64.189 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 23.98 Mbit/s
95th percentile per-packet one-way delay: 64.352 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 15.92 Mbit/s
95th percentile per-packet one-way delay: 63.779 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 7.87 Mbit/s
95th percentile per-packet one-way delay: 63.269 ms
Loss rate: 2.47%

Run 6: Report of LEDBAT — Data Link

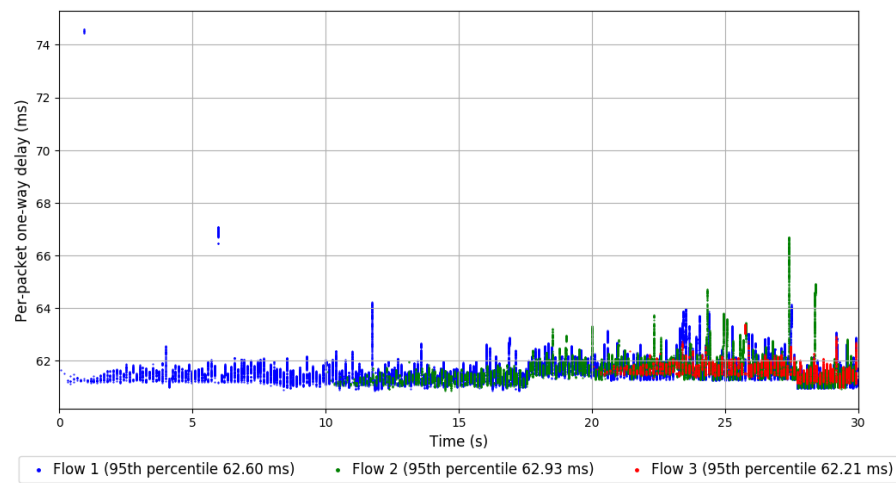
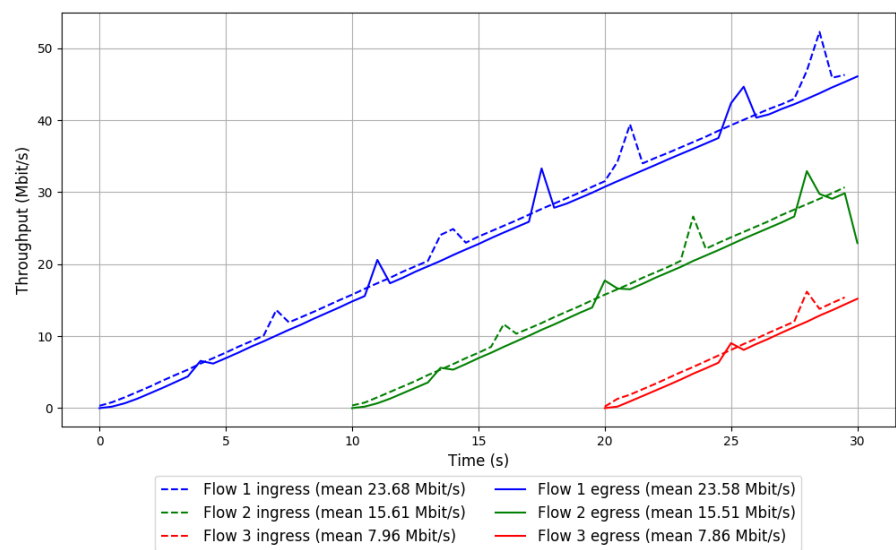


Run 7: Statistics of LEDBAT

Start at: 2018-07-05 07:51:08
End at: 2018-07-05 07:51:38
Local clock offset: -0.033 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-07-05 11:37:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.44 Mbit/s
95th percentile per-packet one-way delay: 62.643 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 23.58 Mbit/s
95th percentile per-packet one-way delay: 62.603 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 15.51 Mbit/s
95th percentile per-packet one-way delay: 62.931 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 7.86 Mbit/s
95th percentile per-packet one-way delay: 62.213 ms
Loss rate: 2.47%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-05 08:16:14

End at: 2018-07-05 08:16:44

Local clock offset: -0.097 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-07-05 11:37:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 34.72 Mbit/s

95th percentile per-packet one-way delay: 62.358 ms

Loss rate: 1.09%

-- Flow 1:

Average throughput: 21.72 Mbit/s

95th percentile per-packet one-way delay: 62.475 ms

Loss rate: 0.85%

-- Flow 2:

Average throughput: 15.92 Mbit/s

95th percentile per-packet one-way delay: 62.155 ms

Loss rate: 1.23%

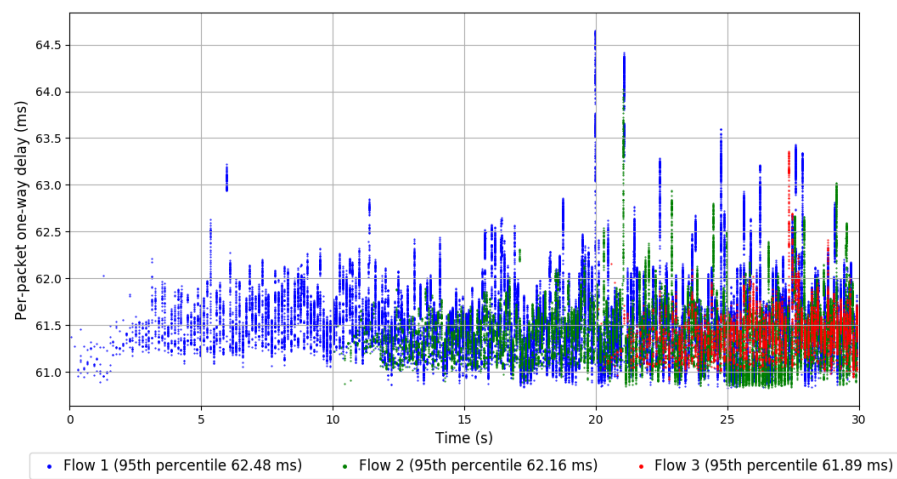
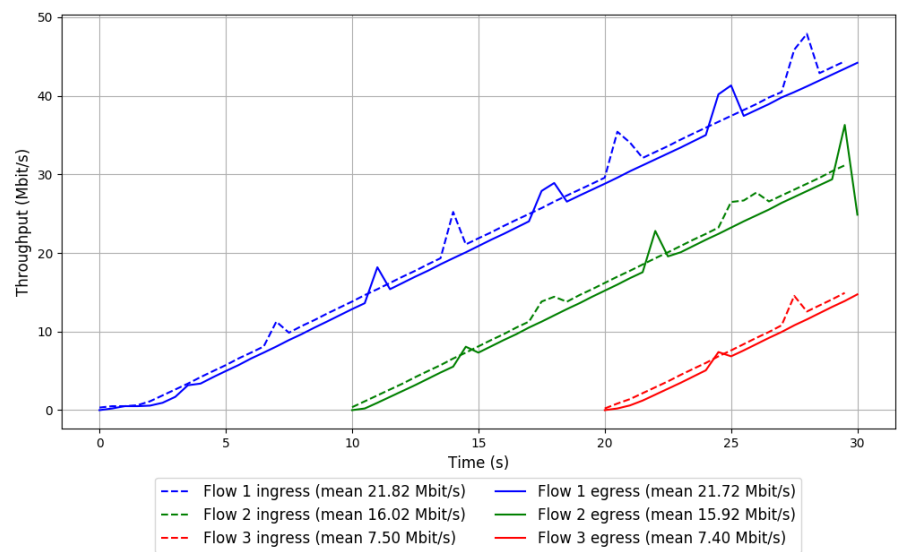
-- Flow 3:

Average throughput: 7.40 Mbit/s

95th percentile per-packet one-way delay: 61.891 ms

Loss rate: 2.55%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-05 08:40:55

End at: 2018-07-05 08:41:25

Local clock offset: -0.04 ms

Remote clock offset: 1.448 ms

Below is generated by plot.py at 2018-07-05 11:37:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 36.47 Mbit/s

95th percentile per-packet one-way delay: 60.915 ms

Loss rate: 1.06%

-- Flow 1:

Average throughput: 23.45 Mbit/s

95th percentile per-packet one-way delay: 60.987 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 15.93 Mbit/s

95th percentile per-packet one-way delay: 60.799 ms

Loss rate: 1.23%

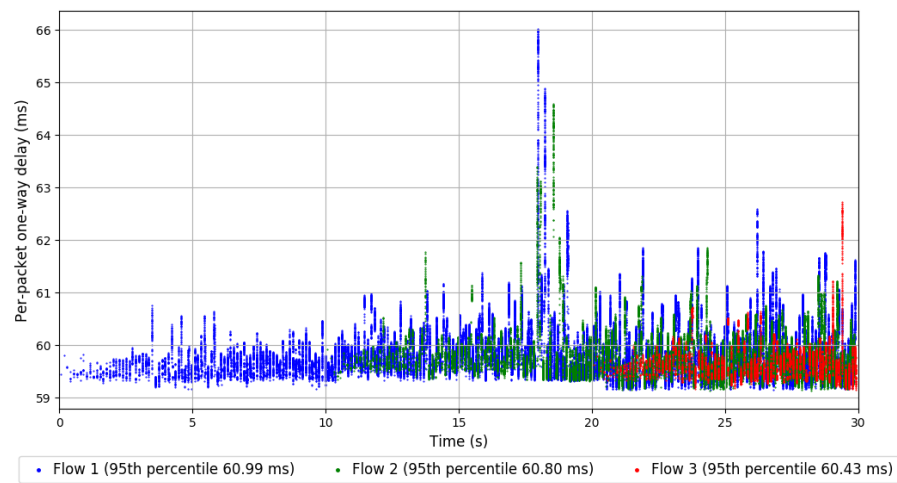
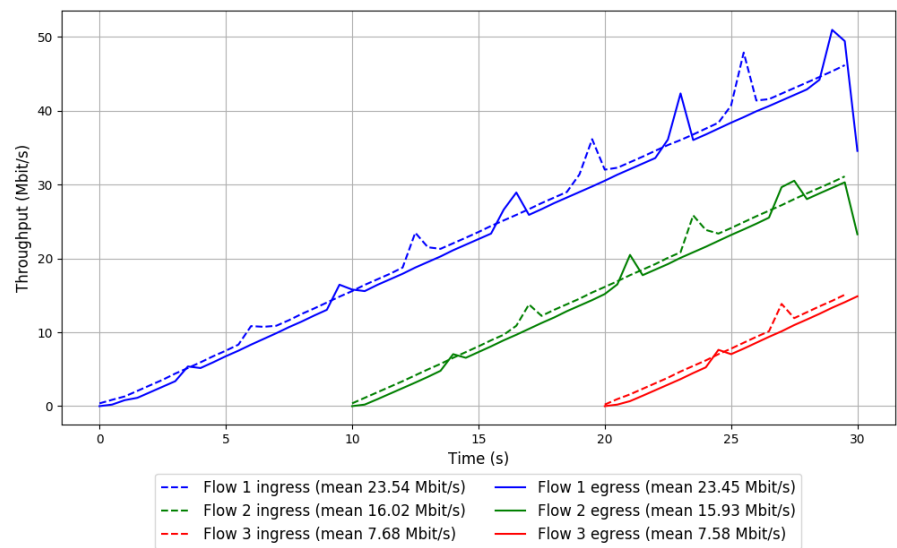
-- Flow 3:

Average throughput: 7.58 Mbit/s

95th percentile per-packet one-way delay: 60.431 ms

Loss rate: 2.52%

Run 9: Report of LEDBAT — Data Link

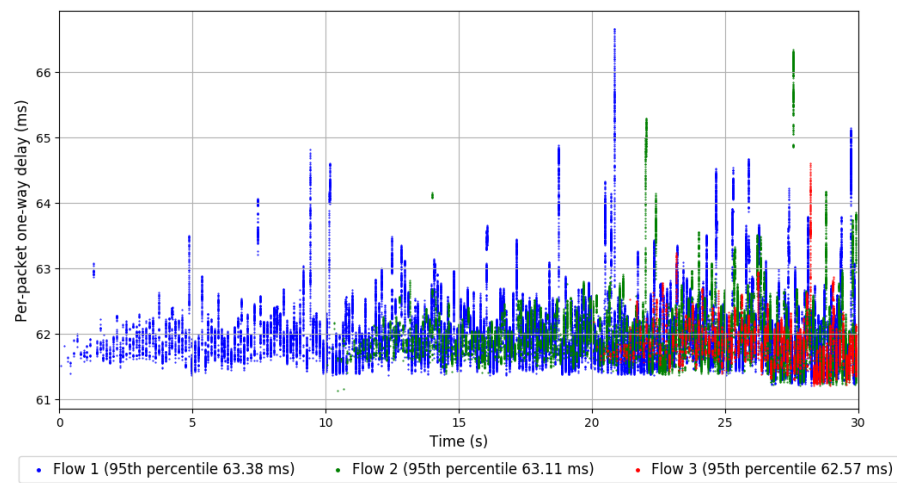
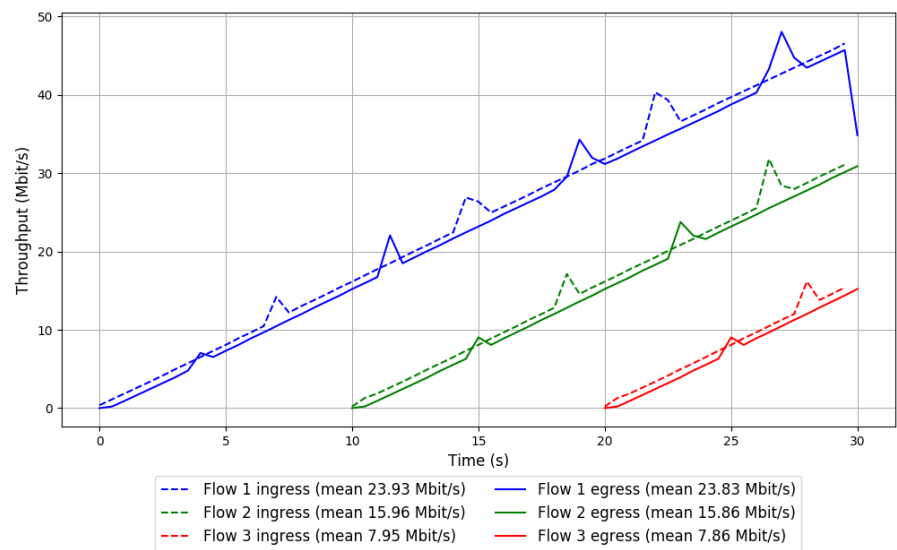


Run 10: Statistics of LEDBAT

Start at: 2018-07-05 09:06:09
End at: 2018-07-05 09:06:39
Local clock offset: 0.068 ms
Remote clock offset: -0.215 ms

Below is generated by plot.py at 2018-07-05 11:37:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.90 Mbit/s
95th percentile per-packet one-way delay: 63.250 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 23.83 Mbit/s
95th percentile per-packet one-way delay: 63.383 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 15.86 Mbit/s
95th percentile per-packet one-way delay: 63.109 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 7.86 Mbit/s
95th percentile per-packet one-way delay: 62.573 ms
Loss rate: 2.47%

Run 10: Report of LEDBAT — Data Link

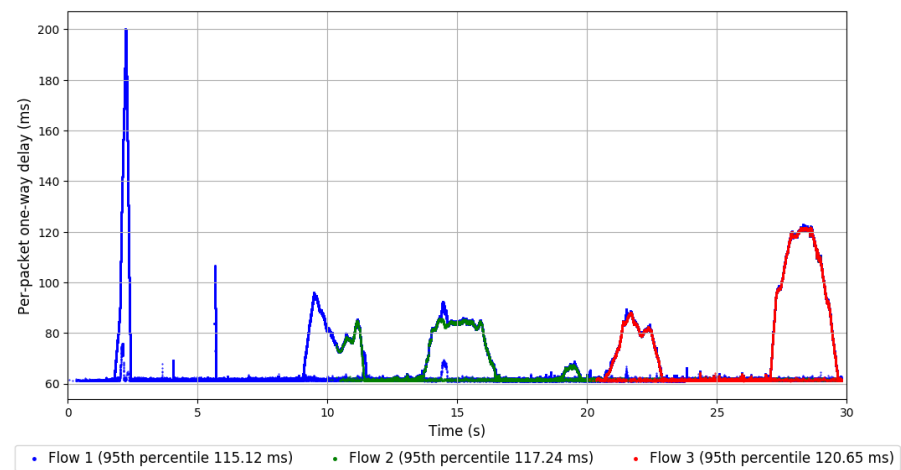
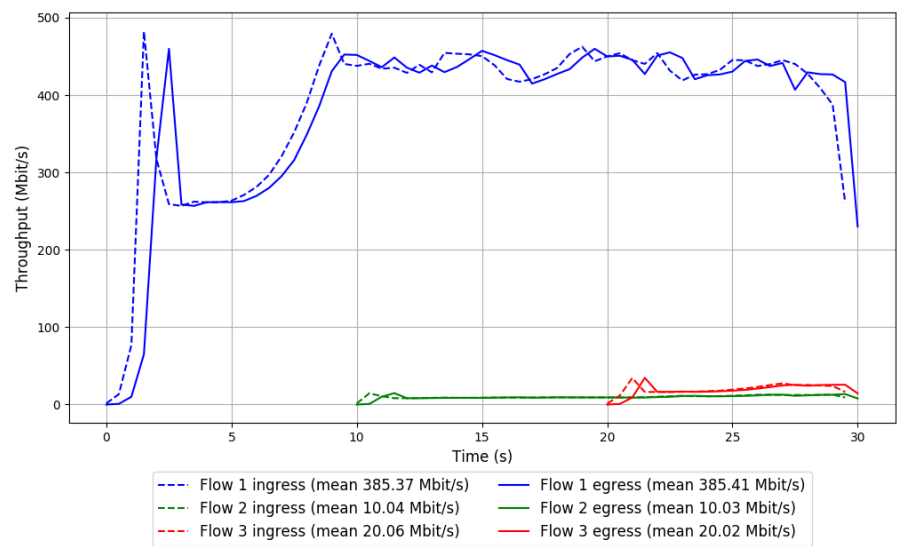


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-05 05:17:32
End at: 2018-07-05 05:18:02
Local clock offset: 0.14 ms
Remote clock offset: 0.012 ms

# Below is generated by plot.py at 2018-07-05 11:37:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 398.60 Mbit/s
95th percentile per-packet one-way delay: 115.867 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 385.41 Mbit/s
95th percentile per-packet one-way delay: 115.122 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 10.03 Mbit/s
95th percentile per-packet one-way delay: 117.241 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 20.02 Mbit/s
95th percentile per-packet one-way delay: 120.647 ms
Loss rate: 1.42%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-05 05:42:11

End at: 2018-07-05 05:42:41

Local clock offset: -0.006 ms

Remote clock offset: 1.421 ms

Below is generated by plot.py at 2018-07-05 11:37:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 410.73 Mbit/s

95th percentile per-packet one-way delay: 208.391 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 388.35 Mbit/s

95th percentile per-packet one-way delay: 205.721 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 4.43 Mbit/s

95th percentile per-packet one-way delay: 208.684 ms

Loss rate: 0.86%

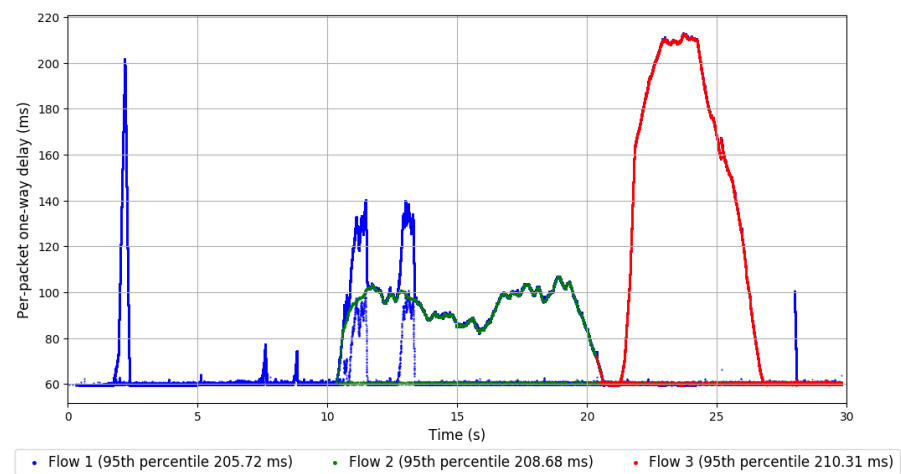
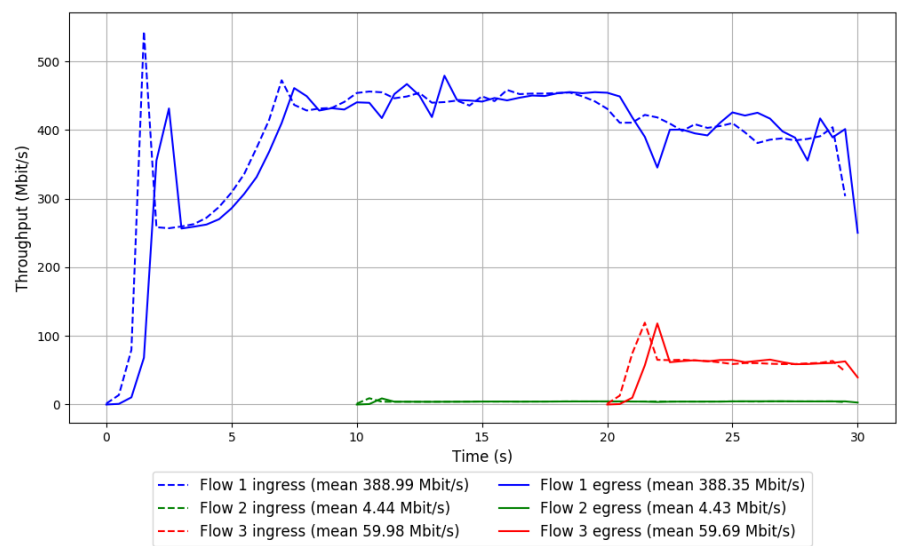
-- Flow 3:

Average throughput: 59.69 Mbit/s

95th percentile per-packet one-way delay: 210.314 ms

Loss rate: 1.72%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-05 06:07:33

End at: 2018-07-05 06:08:03

Local clock offset: -0.07 ms

Remote clock offset: 1.374 ms

Below is generated by plot.py at 2018-07-05 11:37:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 380.68 Mbit/s

95th percentile per-packet one-way delay: 166.496 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 285.44 Mbit/s

95th percentile per-packet one-way delay: 165.299 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 127.96 Mbit/s

95th percentile per-packet one-way delay: 167.711 ms

Loss rate: 0.84%

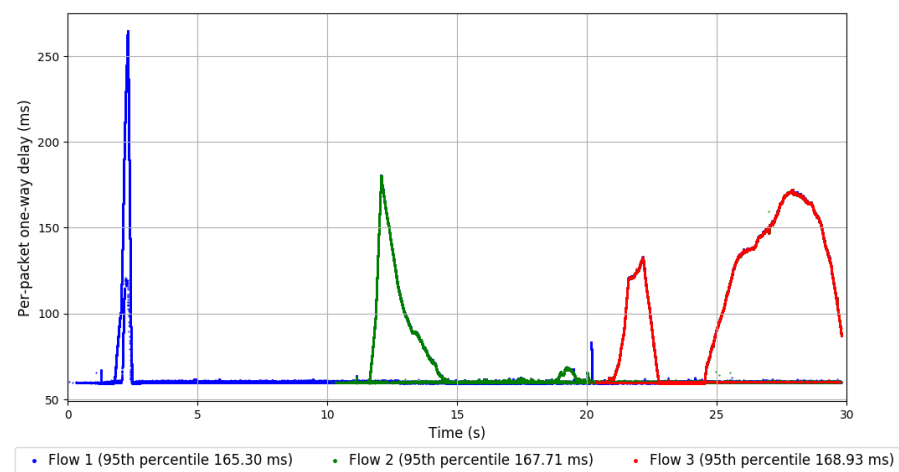
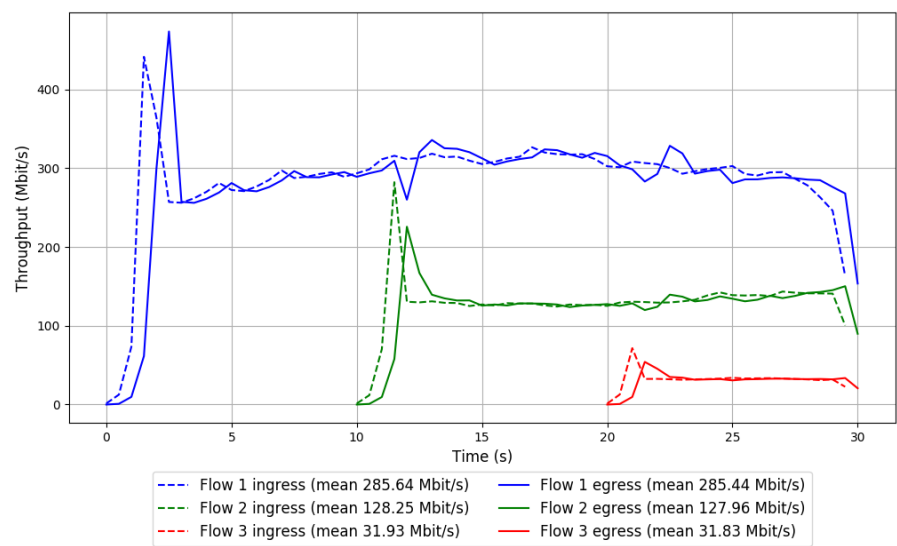
-- Flow 3:

Average throughput: 31.83 Mbit/s

95th percentile per-packet one-way delay: 168.929 ms

Loss rate: 1.50%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-05 06:32:52

End at: 2018-07-05 06:33:22

Local clock offset: -0.065 ms

Remote clock offset: 0.095 ms

Below is generated by plot.py at 2018-07-05 11:37:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 457.93 Mbit/s

95th percentile per-packet one-way delay: 217.208 ms

Loss rate: 2.41%

-- Flow 1:

Average throughput: 431.88 Mbit/s

95th percentile per-packet one-way delay: 219.637 ms

Loss rate: 2.40%

-- Flow 2:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 209.731 ms

Loss rate: 2.95%

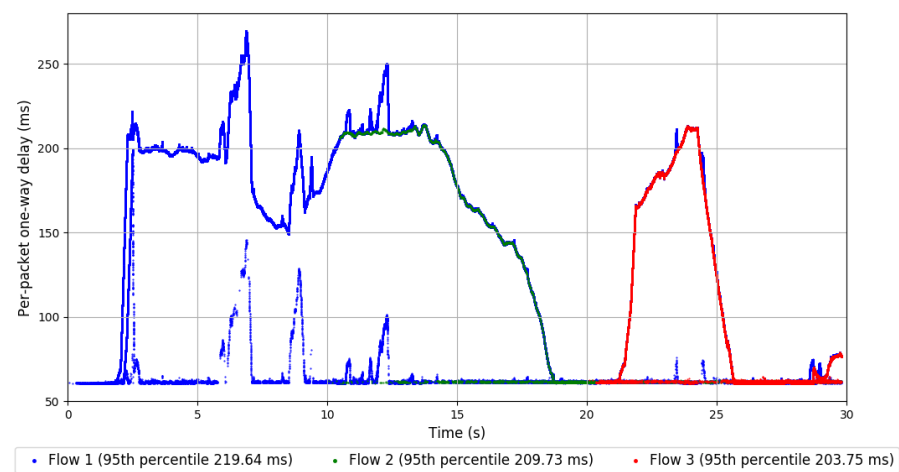
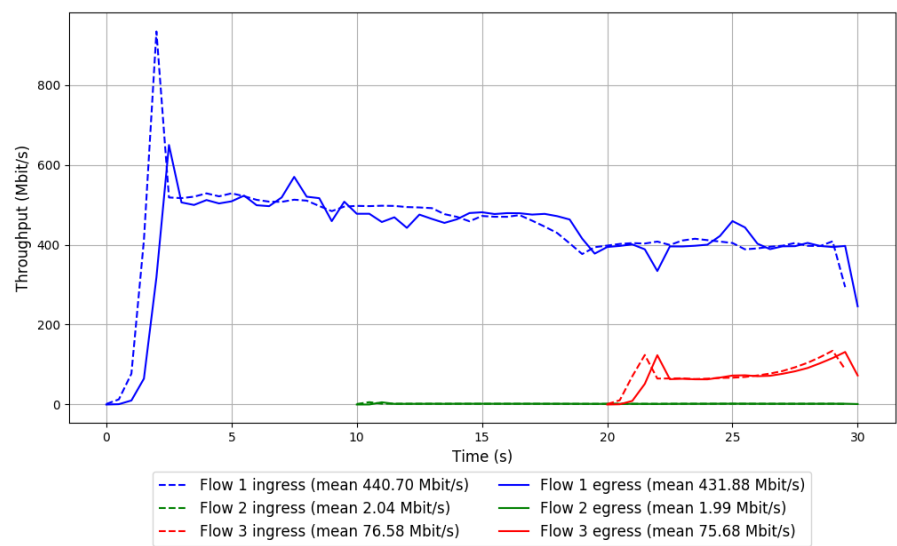
-- Flow 3:

Average throughput: 75.68 Mbit/s

95th percentile per-packet one-way delay: 203.747 ms

Loss rate: 2.42%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-05 06:58:05

End at: 2018-07-05 06:58:35

Local clock offset: -0.052 ms

Remote clock offset: 0.092 ms

Below is generated by plot.py at 2018-07-05 11:37:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 391.10 Mbit/s

95th percentile per-packet one-way delay: 123.685 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 329.12 Mbit/s

95th percentile per-packet one-way delay: 123.748 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 77.60 Mbit/s

95th percentile per-packet one-way delay: 123.506 ms

Loss rate: 0.71%

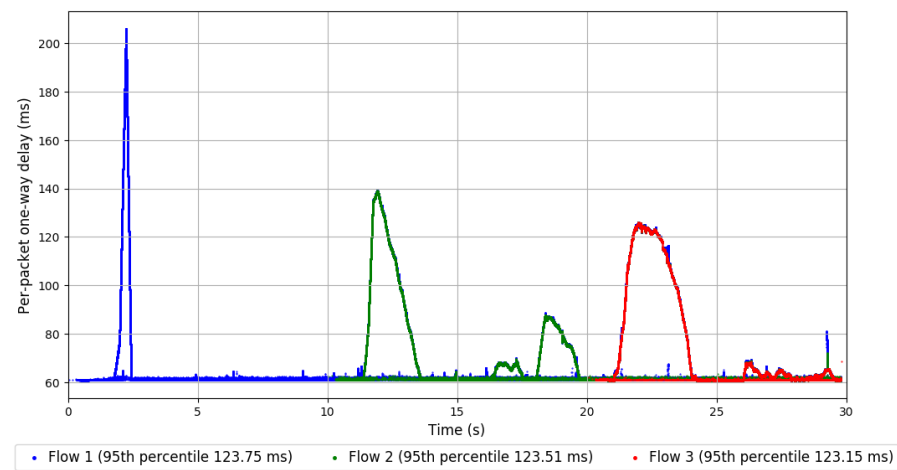
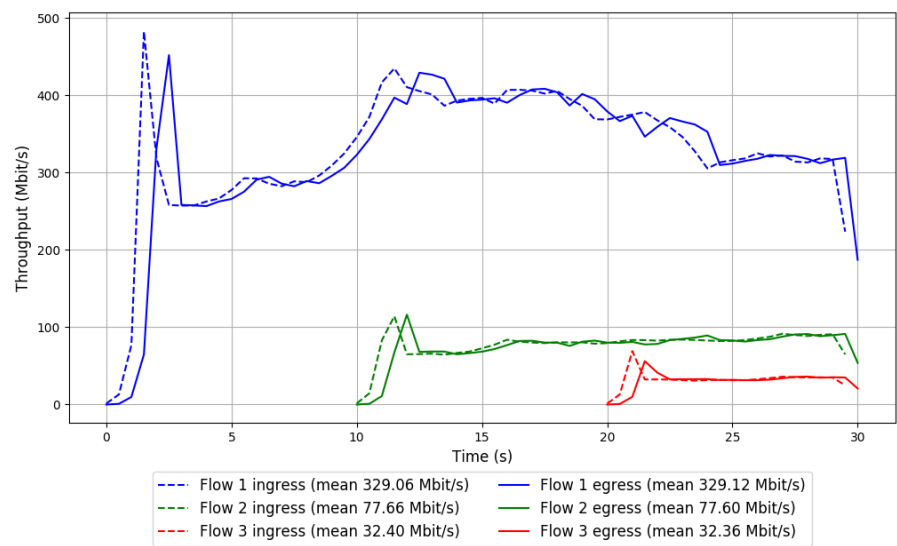
-- Flow 3:

Average throughput: 32.36 Mbit/s

95th percentile per-packet one-way delay: 123.152 ms

Loss rate: 1.32%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-05 07:23:28

End at: 2018-07-05 07:23:58

Local clock offset: -0.044 ms

Remote clock offset: 0.096 ms

Below is generated by plot.py at 2018-07-05 11:38:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 390.92 Mbit/s

95th percentile per-packet one-way delay: 168.550 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 383.65 Mbit/s

95th percentile per-packet one-way delay: 168.606 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 2.67 Mbit/s

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

Loss rate: 0.93%

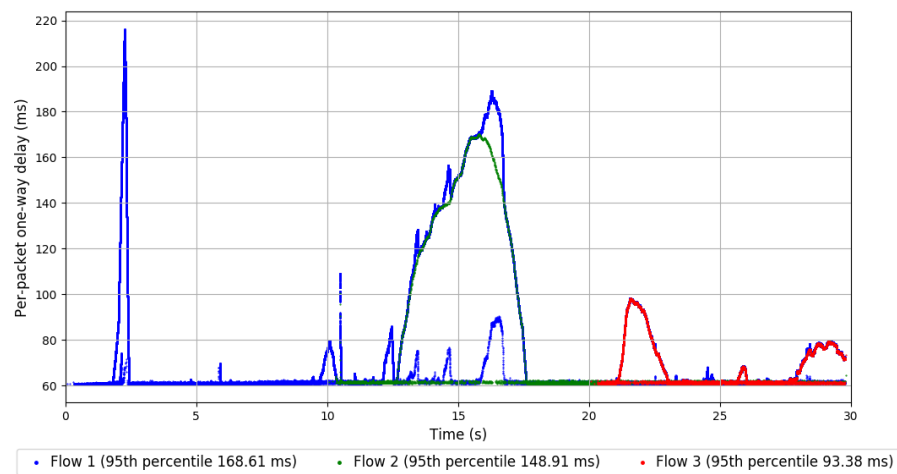
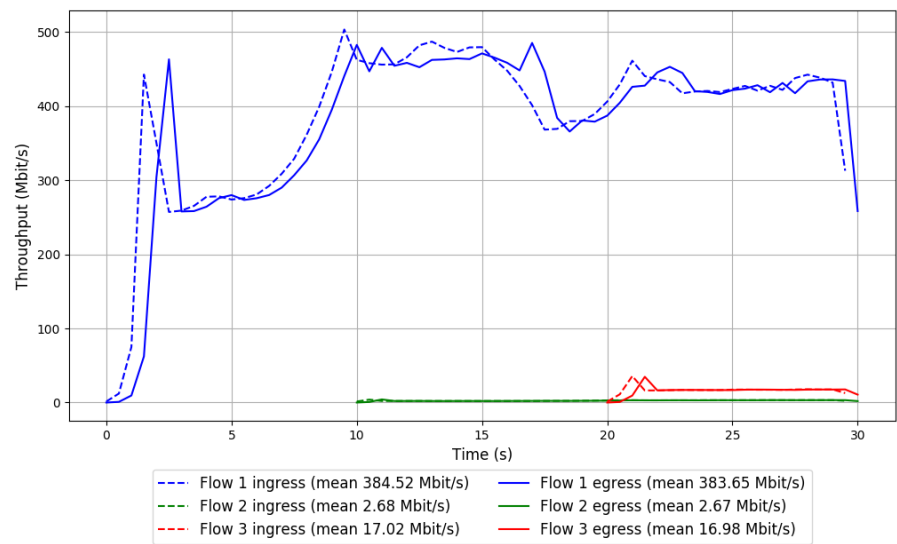
-- Flow 3:

Average throughput: 16.98 Mbit/s

95th percentile per-packet one-way delay: 93.382 ms

Loss rate: 1.42%

Run 6: Report of PCC-Allegro — Data Link

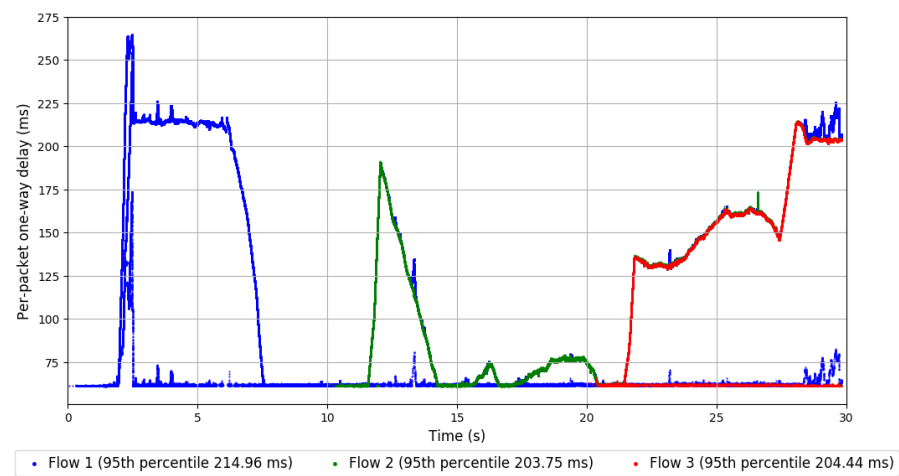
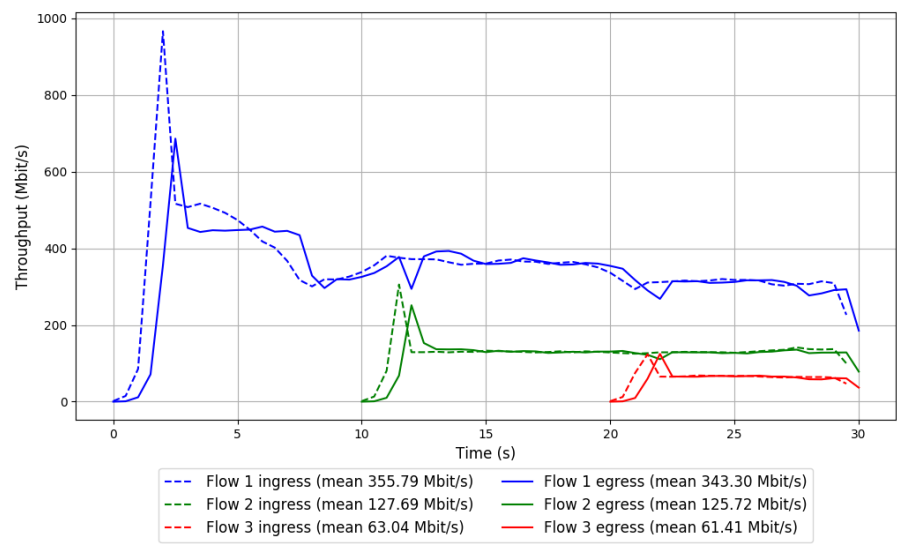


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-05 07:48:28
End at: 2018-07-05 07:48:58
Local clock offset: -0.054 ms
Remote clock offset: -0.082 ms

```
# Below is generated by plot.py at 2018-07-05 11:40:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 446.79 Mbit/s
95th percentile per-packet one-way delay: 214.646 ms
Loss rate: 3.58%
-- Flow 1:
Average throughput: 343.30 Mbit/s
95th percentile per-packet one-way delay: 214.962 ms
Loss rate: 3.91%
-- Flow 2:
Average throughput: 125.72 Mbit/s
95th percentile per-packet one-way delay: 203.748 ms
Loss rate: 2.16%
-- Flow 3:
Average throughput: 61.41 Mbit/s
95th percentile per-packet one-way delay: 204.442 ms
Loss rate: 3.82%
```


Run 7: Report of PCC-Allegro — Data Link

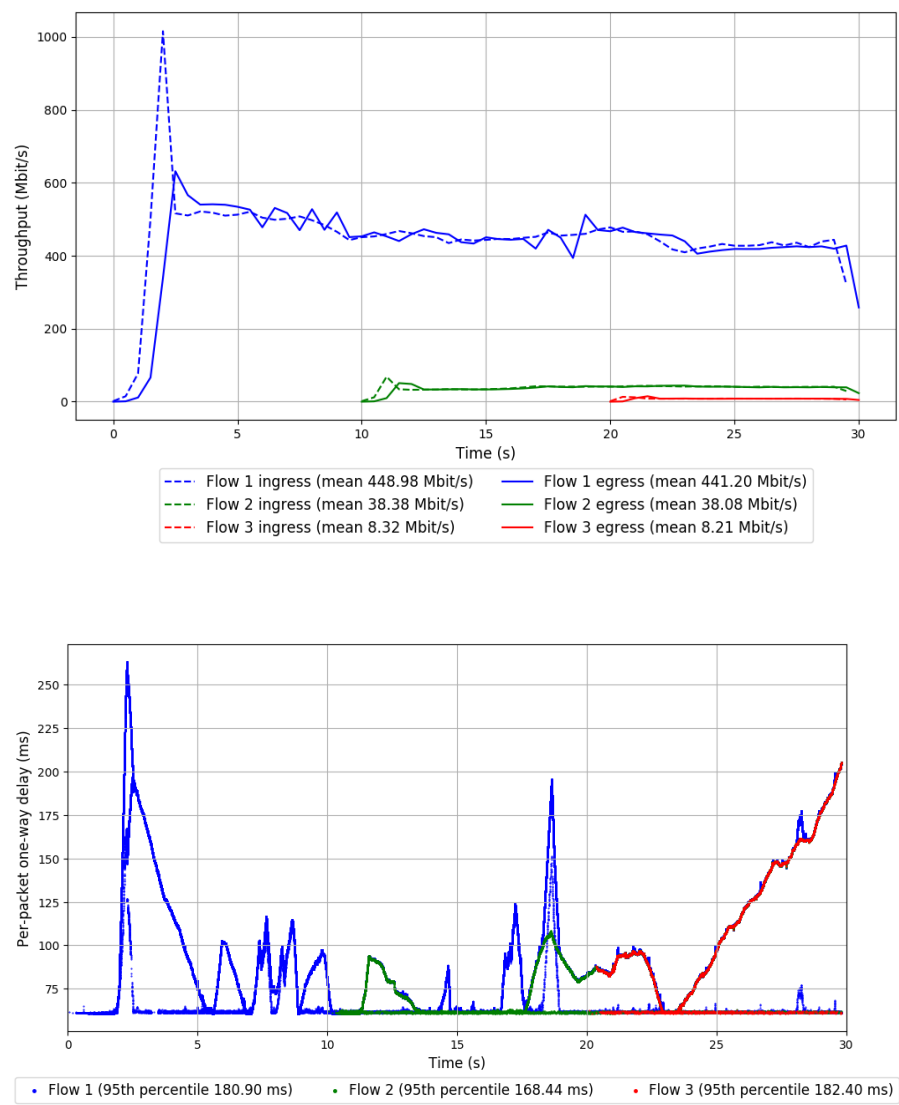


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-05 08:13:34
End at: 2018-07-05 08:14:04
Local clock offset: -0.062 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2018-07-05 11:44:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 469.14 Mbit/s
95th percentile per-packet one-way delay: 180.308 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 441.20 Mbit/s
95th percentile per-packet one-way delay: 180.904 ms
Loss rate: 2.14%
-- Flow 2:
Average throughput: 38.08 Mbit/s
95th percentile per-packet one-way delay: 168.445 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 8.21 Mbit/s
95th percentile per-packet one-way delay: 182.399 ms
Loss rate: 2.62%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-05 08:38:17

End at: 2018-07-05 08:38:47

Local clock offset: -0.06 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-07-05 11:44:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 412.72 Mbit/s

95th percentile per-packet one-way delay: 195.362 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 399.39 Mbit/s

95th percentile per-packet one-way delay: 196.170 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 4.17 Mbit/s

95th percentile per-packet one-way delay: 196.941 ms

Loss rate: 0.91%

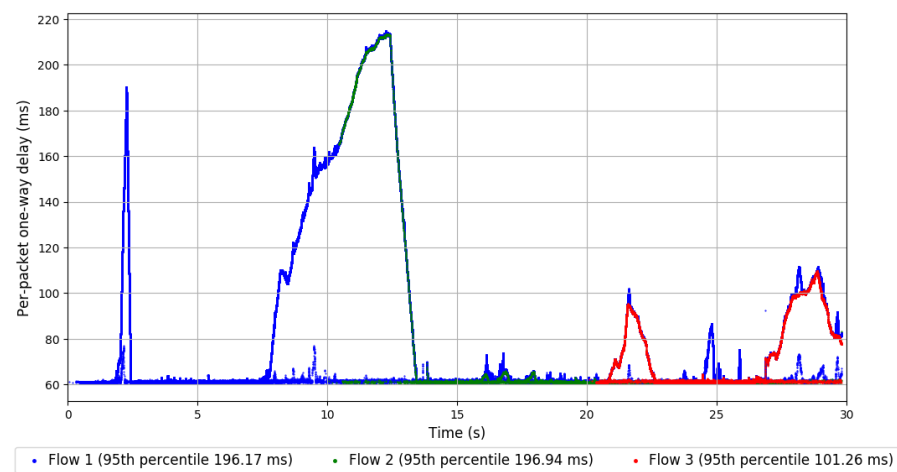
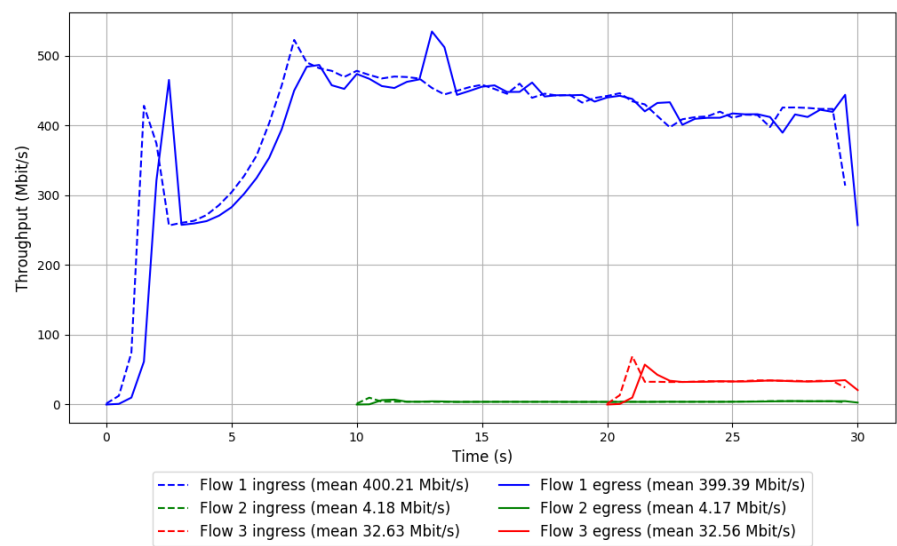
-- Flow 3:

Average throughput: 32.56 Mbit/s

95th percentile per-packet one-way delay: 101.262 ms

Loss rate: 1.47%

Run 9: Report of PCC-Allegro — Data Link

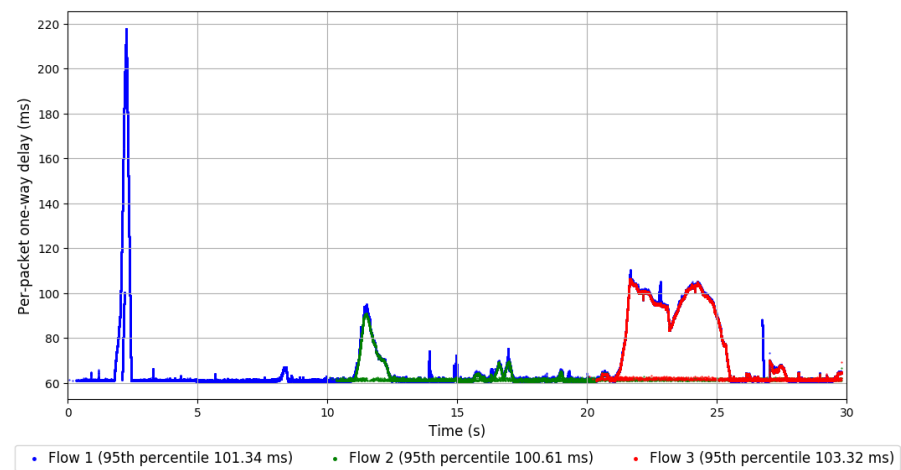
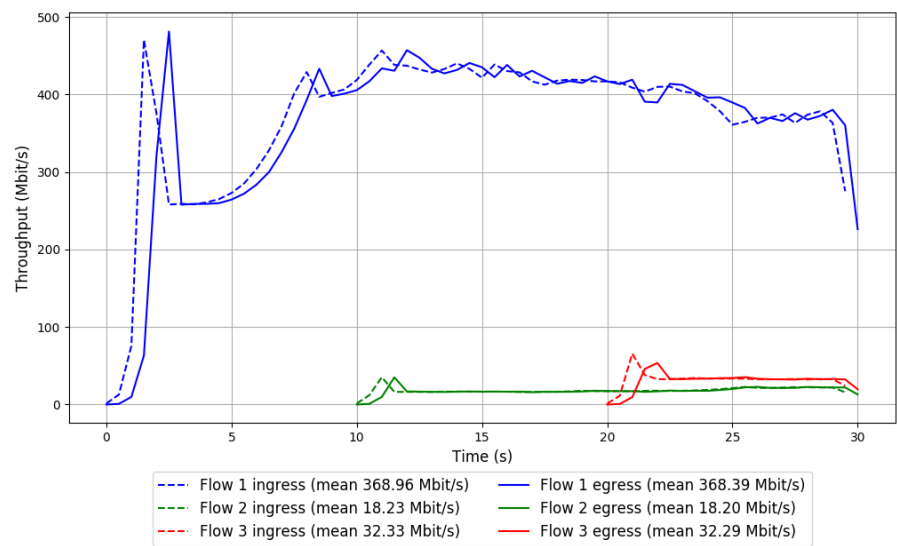


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-05 09:03:31
End at: 2018-07-05 09:04:01
Local clock offset: 0.057 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-07-05 11:44:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 390.97 Mbit/s
95th percentile per-packet one-way delay: 101.535 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 368.39 Mbit/s
95th percentile per-packet one-way delay: 101.341 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 18.20 Mbit/s
95th percentile per-packet one-way delay: 100.615 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 32.29 Mbit/s
95th percentile per-packet one-way delay: 103.317 ms
Loss rate: 1.35%

Run 10: Report of PCC-Allegro — Data Link

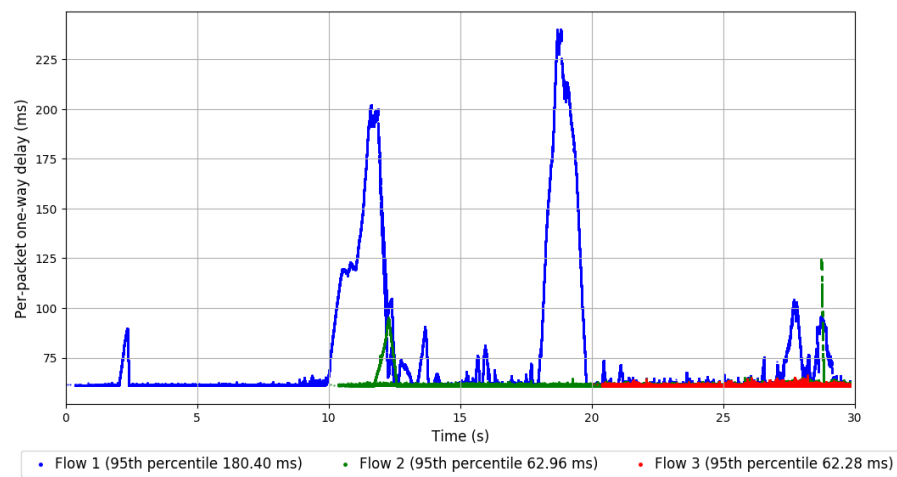
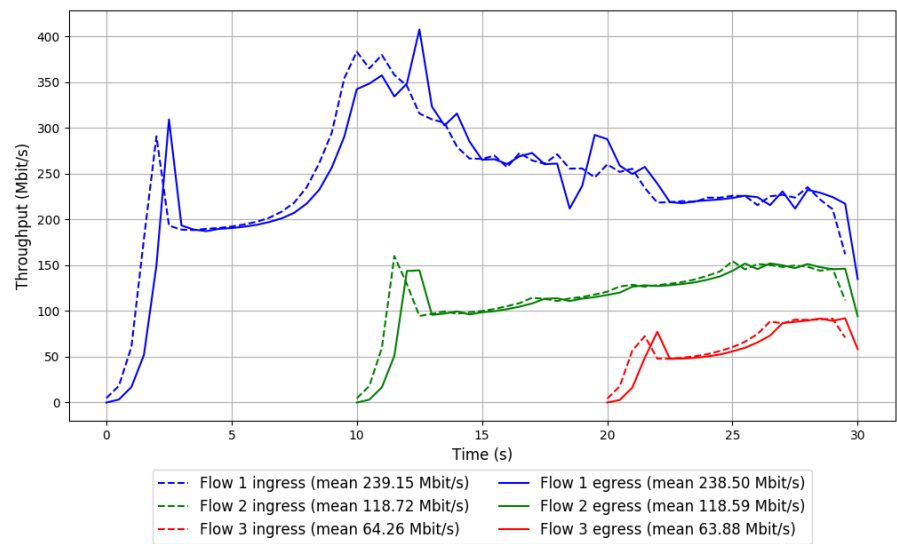


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-05 05:07:46
End at: 2018-07-05 05:08:16
Local clock offset: 0.345 ms
Remote clock offset: -0.103 ms

# Below is generated by plot.py at 2018-07-05 11:49:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 338.10 Mbit/s
95th percentile per-packet one-way delay: 155.207 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 238.50 Mbit/s
95th percentile per-packet one-way delay: 180.395 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 118.59 Mbit/s
95th percentile per-packet one-way delay: 62.958 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 63.88 Mbit/s
95th percentile per-packet one-way delay: 62.280 ms
Loss rate: 1.85%
```


Run 1: Report of PCC-Expr — Data Link

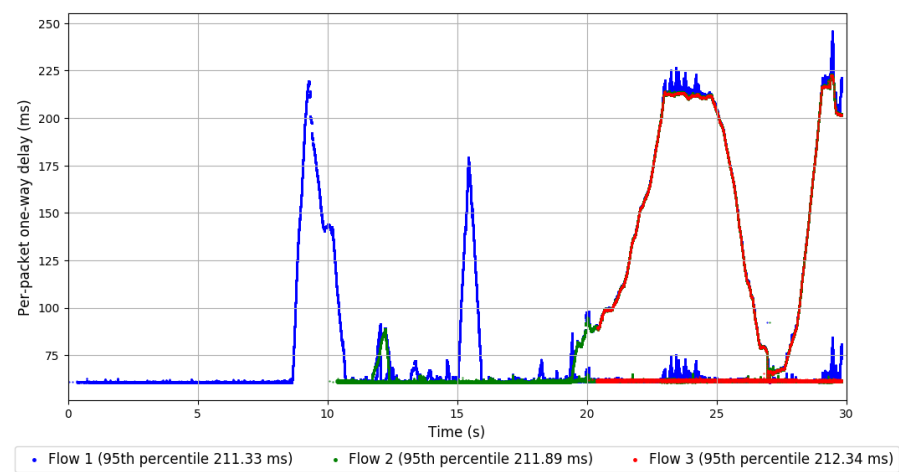
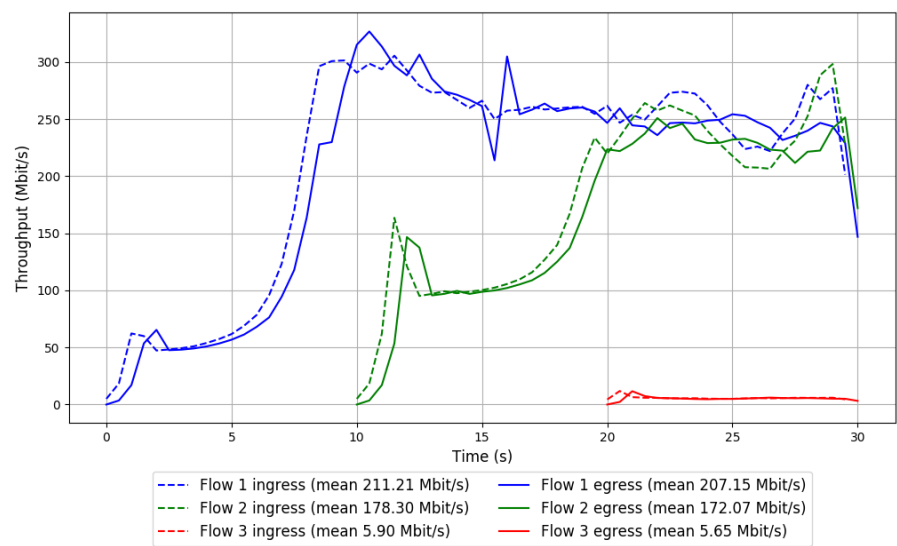


```
Run 2: Statistics of PCC-Expr

Start at: 2018-07-05 05:32:57
End at: 2018-07-05 05:33:27
Local clock offset: -0.047 ms
Remote clock offset: 0.132 ms

# Below is generated by plot.py at 2018-07-05 11:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 323.21 Mbit/s
95th percentile per-packet one-way delay: 211.667 ms
Loss rate: 2.98%
-- Flow 1:
Average throughput: 207.15 Mbit/s
95th percentile per-packet one-way delay: 211.327 ms
Loss rate: 2.33%
-- Flow 2:
Average throughput: 172.07 Mbit/s
95th percentile per-packet one-way delay: 211.894 ms
Loss rate: 4.09%
-- Flow 3:
Average throughput: 5.65 Mbit/s
95th percentile per-packet one-way delay: 212.340 ms
Loss rate: 5.57%
```

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-05 05:57:45

End at: 2018-07-05 05:58:15

Local clock offset: -0.037 ms

Remote clock offset: 0.353 ms

Below is generated by plot.py at 2018-07-05 11:52:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 301.32 Mbit/s

95th percentile per-packet one-way delay: 353.052 ms

Loss rate: 34.53%

-- Flow 1:

Average throughput: 275.80 Mbit/s

95th percentile per-packet one-way delay: 353.872 ms

Loss rate: 36.12%

-- Flow 2:

Average throughput: 36.69 Mbit/s

95th percentile per-packet one-way delay: 211.035 ms

Loss rate: 10.13%

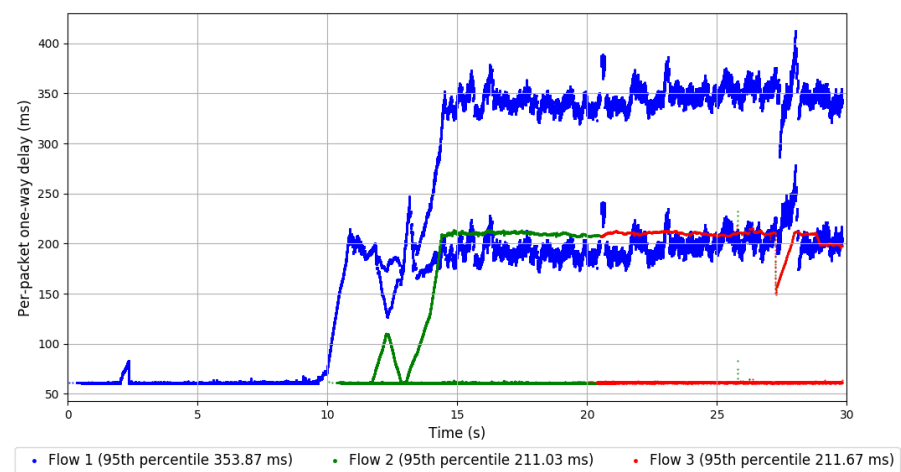
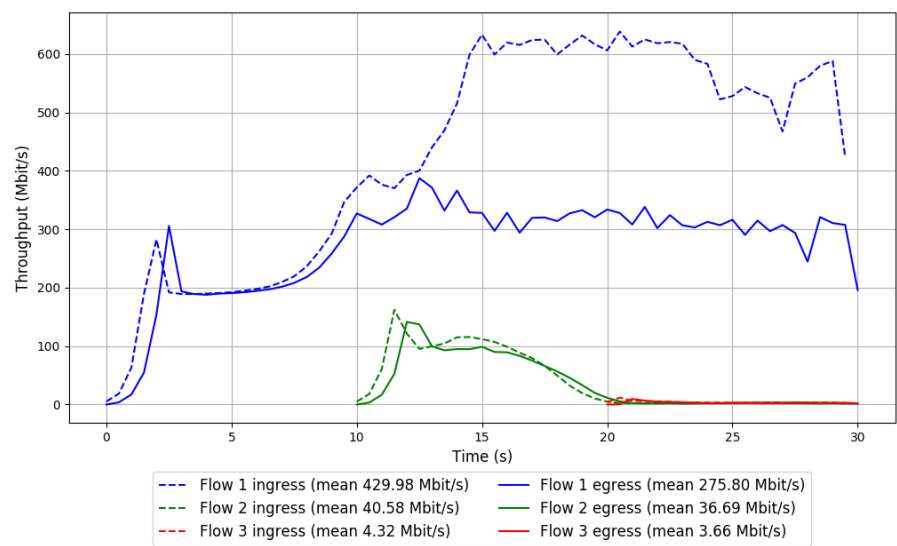
-- Flow 3:

Average throughput: 3.66 Mbit/s

95th percentile per-packet one-way delay: 211.673 ms

Loss rate: 16.27%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-05 06:23:05

End at: 2018-07-05 06:23:35

Local clock offset: -0.056 ms

Remote clock offset: 1.23 ms

Below is generated by plot.py at 2018-07-05 11:52:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 355.85 Mbit/s

95th percentile per-packet one-way delay: 209.173 ms

Loss rate: 3.26%

-- Flow 1:

Average throughput: 194.81 Mbit/s

95th percentile per-packet one-way delay: 203.869 ms

Loss rate: 2.00%

-- Flow 2:

Average throughput: 231.84 Mbit/s

95th percentile per-packet one-way delay: 221.355 ms

Loss rate: 4.73%

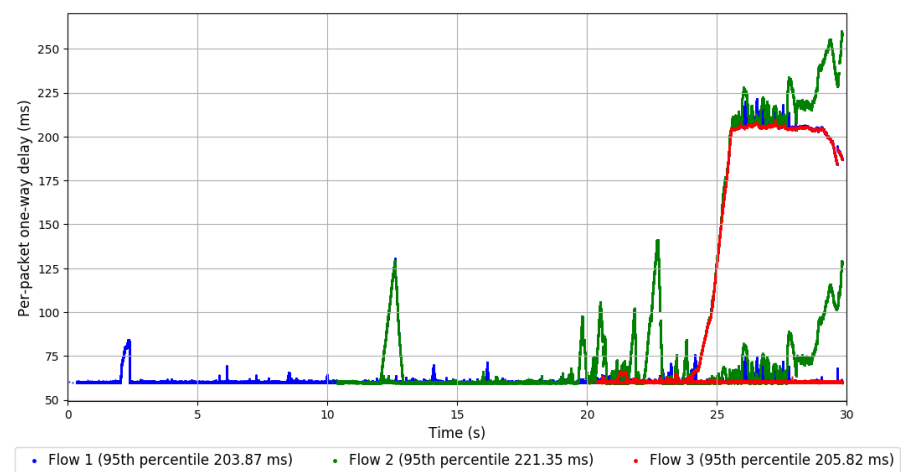
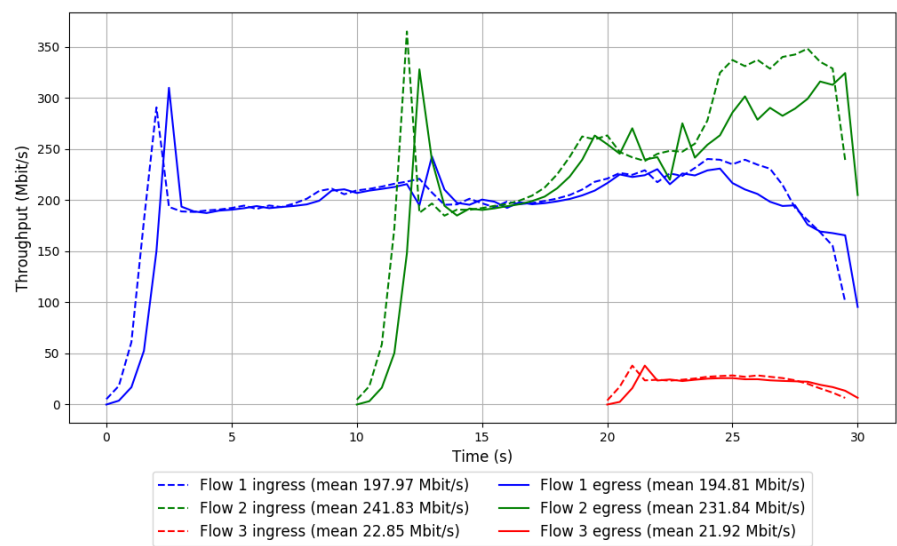
-- Flow 3:

Average throughput: 21.92 Mbit/s

95th percentile per-packet one-way delay: 205.822 ms

Loss rate: 5.28%

Run 4: Report of PCC-Expr — Data Link

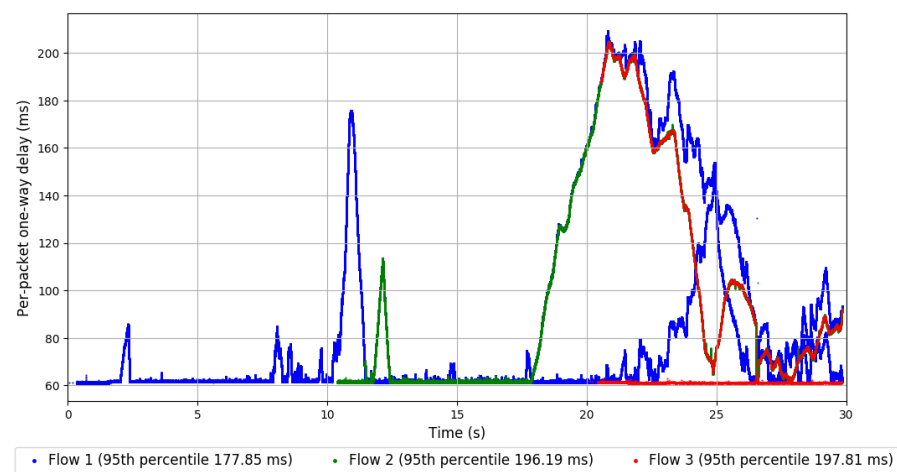
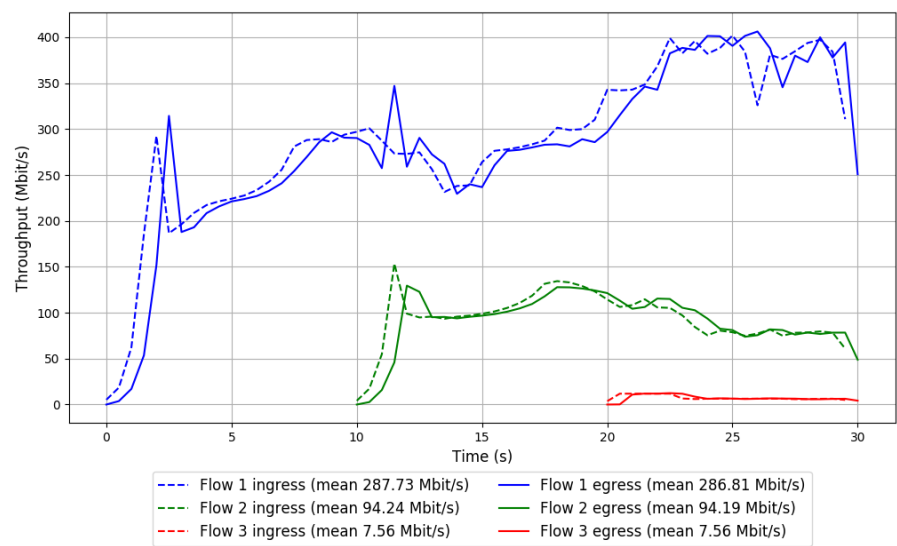


Run 5: Statistics of PCC-Expr

Start at: 2018-07-05 06:48:24
End at: 2018-07-05 06:48:54
Local clock offset: -0.041 ms
Remote clock offset: -0.228 ms

Below is generated by plot.py at 2018-07-05 11:55:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 351.79 Mbit/s
95th percentile per-packet one-way delay: 186.956 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 286.81 Mbit/s
95th percentile per-packet one-way delay: 177.850 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 94.19 Mbit/s
95th percentile per-packet one-way delay: 196.186 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 7.56 Mbit/s
95th percentile per-packet one-way delay: 197.805 ms
Loss rate: 1.27%

Run 5: Report of PCC-Expr — Data Link

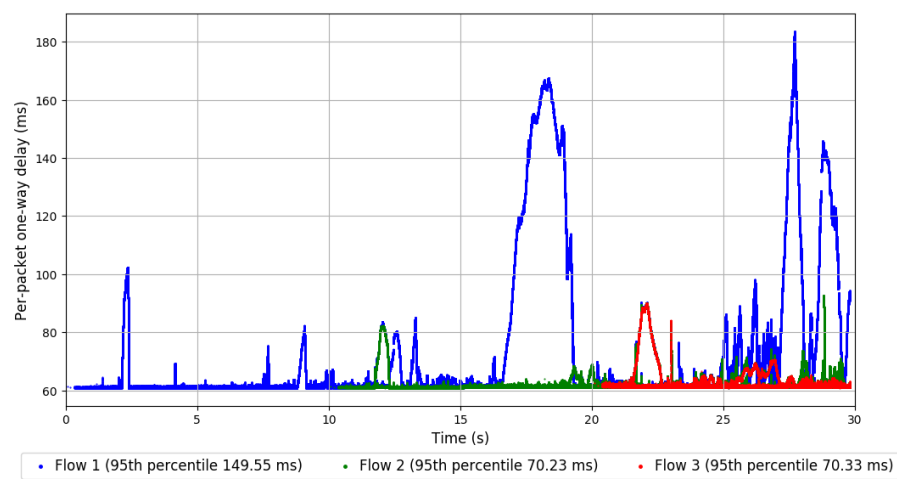
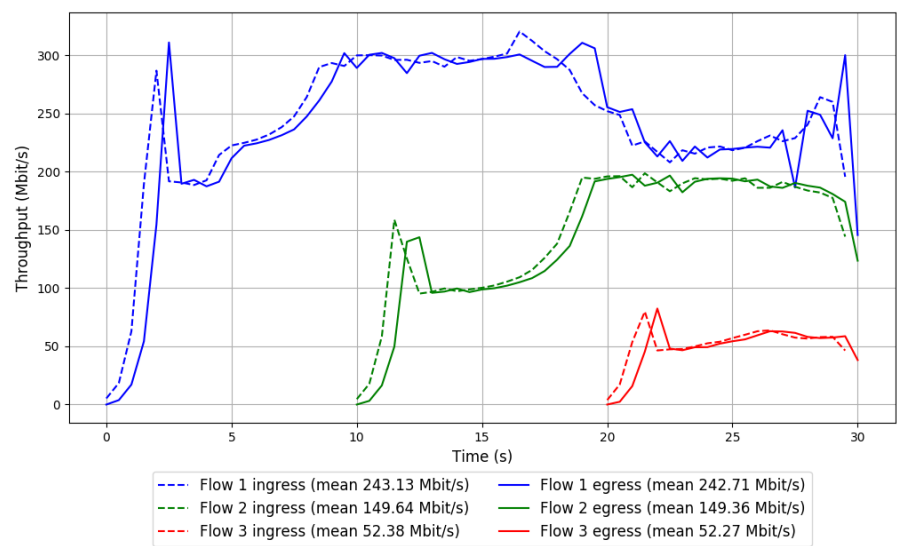


Run 6: Statistics of PCC-Expr

Start at: 2018-07-05 07:13:30
End at: 2018-07-05 07:14:00
Local clock offset: -0.054 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-07-05 11:59:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 358.94 Mbit/s
95th percentile per-packet one-way delay: 140.496 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 242.71 Mbit/s
95th percentile per-packet one-way delay: 149.546 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 149.36 Mbit/s
95th percentile per-packet one-way delay: 70.235 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 52.27 Mbit/s
95th percentile per-packet one-way delay: 70.328 ms
Loss rate: 1.46%

Run 6: Report of PCC-Expr — Data Link

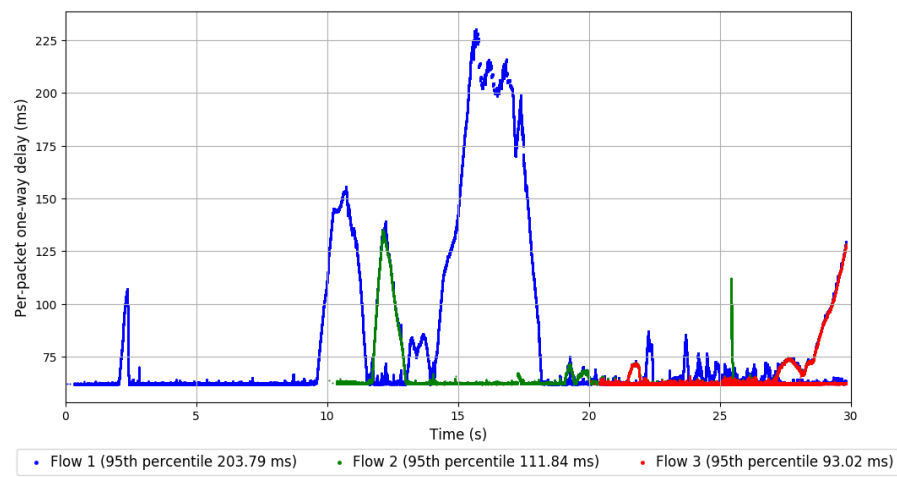
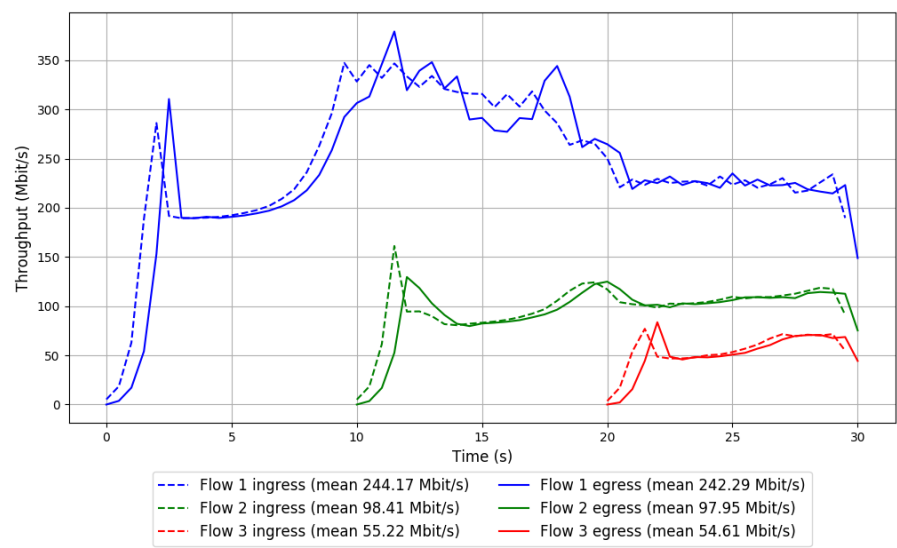


Run 7: Statistics of PCC-Expr

Start at: 2018-07-05 07:38:57
End at: 2018-07-05 07:39:27
Local clock offset: -0.037 ms
Remote clock offset: -1.007 ms

Below is generated by plot.py at 2018-07-05 11:59:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 325.15 Mbit/s
95th percentile per-packet one-way delay: 198.986 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 242.29 Mbit/s
95th percentile per-packet one-way delay: 203.787 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 97.95 Mbit/s
95th percentile per-packet one-way delay: 111.836 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 54.61 Mbit/s
95th percentile per-packet one-way delay: 93.017 ms
Loss rate: 2.34%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-05 08:04:00

End at: 2018-07-05 08:04:30

Local clock offset: -0.096 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2018-07-05 12:01:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 348.05 Mbit/s

95th percentile per-packet one-way delay: 322.187 ms

Loss rate: 6.03%

-- Flow 1:

Average throughput: 268.57 Mbit/s

95th percentile per-packet one-way delay: 331.293 ms

Loss rate: 6.77%

-- Flow 2:

Average throughput: 109.10 Mbit/s

95th percentile per-packet one-way delay: 203.384 ms

Loss rate: 3.25%

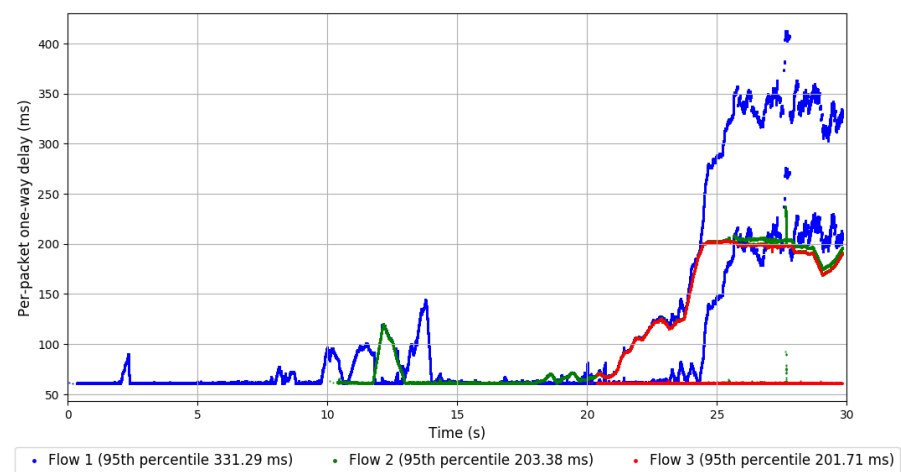
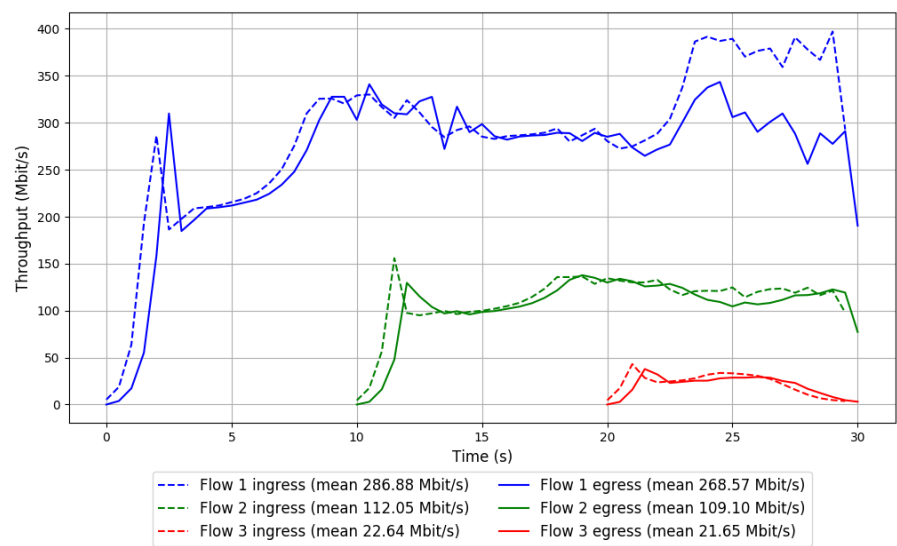
-- Flow 3:

Average throughput: 21.65 Mbit/s

95th percentile per-packet one-way delay: 201.711 ms

Loss rate: 5.58%

Run 8: Report of PCC-Expr — Data Link

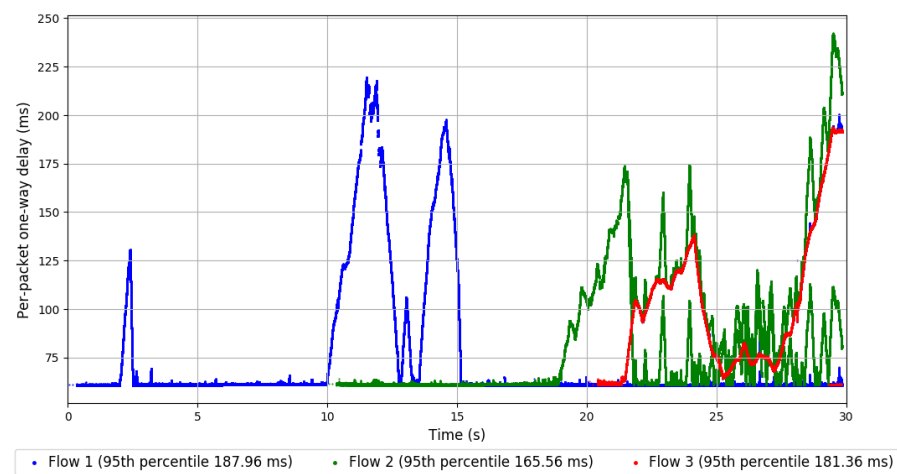
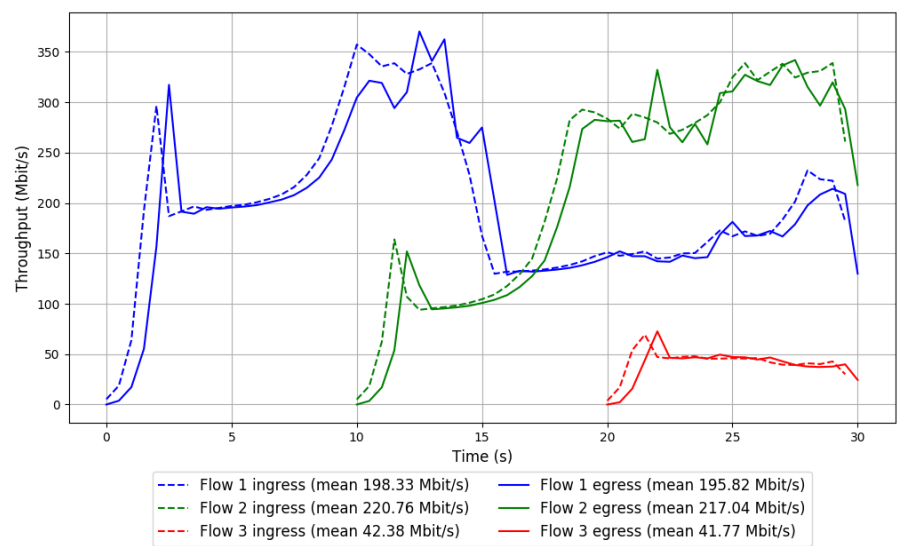


```
Run 9: Statistics of PCC-Expr

Start at: 2018-07-05 08:29:00
End at: 2018-07-05 08:29:30
Local clock offset: -0.062 ms
Remote clock offset: 0.015 ms

# Below is generated by plot.py at 2018-07-05 12:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 353.54 Mbit/s
95th percentile per-packet one-way delay: 179.770 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 195.82 Mbit/s
95th percentile per-packet one-way delay: 187.956 ms
Loss rate: 1.67%
-- Flow 2:
Average throughput: 217.04 Mbit/s
95th percentile per-packet one-way delay: 165.557 ms
Loss rate: 2.30%
-- Flow 3:
Average throughput: 41.77 Mbit/s
95th percentile per-packet one-way delay: 181.364 ms
Loss rate: 2.65%
```


Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-05 08:53:44

End at: 2018-07-05 08:54:14

Local clock offset: 0.035 ms

Remote clock offset: 1.266 ms

Below is generated by plot.py at 2018-07-05 12:05:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 365.49 Mbit/s

95th percentile per-packet one-way delay: 205.915 ms

Loss rate: 3.80%

-- Flow 1:

Average throughput: 235.86 Mbit/s

95th percentile per-packet one-way delay: 204.306 ms

Loss rate: 2.60%

-- Flow 2:

Average throughput: 193.10 Mbit/s

95th percentile per-packet one-way delay: 208.572 ms

Loss rate: 5.87%

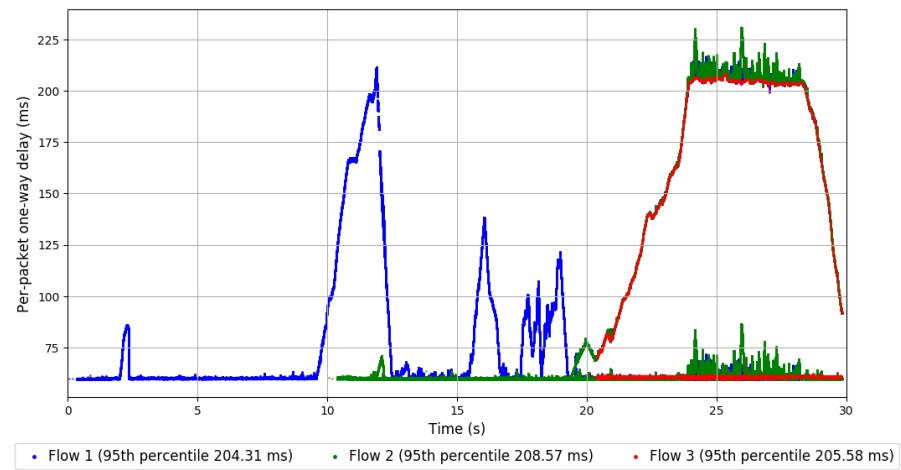
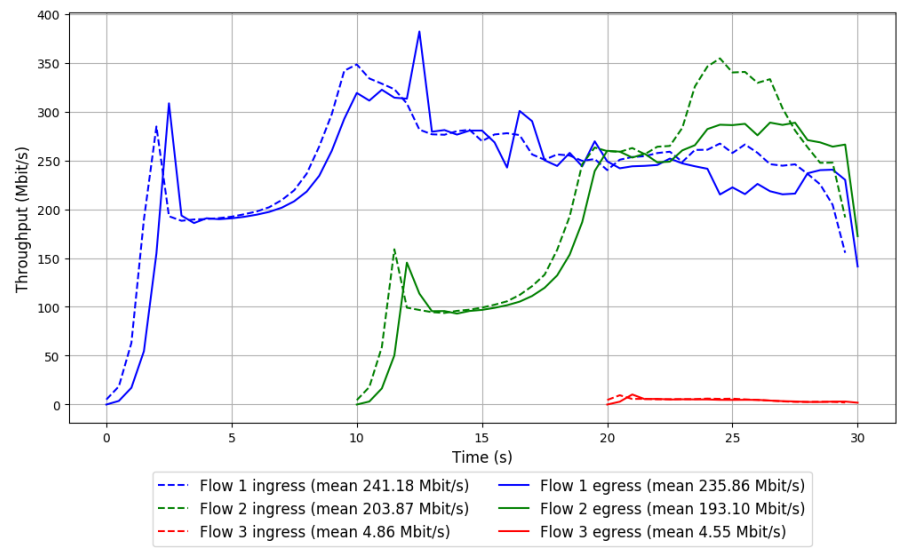
-- Flow 3:

Average throughput: 4.55 Mbit/s

95th percentile per-packet one-way delay: 205.580 ms

Loss rate: 7.70%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-05 05:18:56

End at: 2018-07-05 05:19:26

Local clock offset: 0.123 ms

Remote clock offset: 0.121 ms

Below is generated by plot.py at 2018-07-05 12:05:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.78 Mbit/s

95th percentile per-packet one-way delay: 61.258 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 39.92 Mbit/s

95th percentile per-packet one-way delay: 61.239 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 33.77 Mbit/s

95th percentile per-packet one-way delay: 61.292 ms

Loss rate: 1.21%

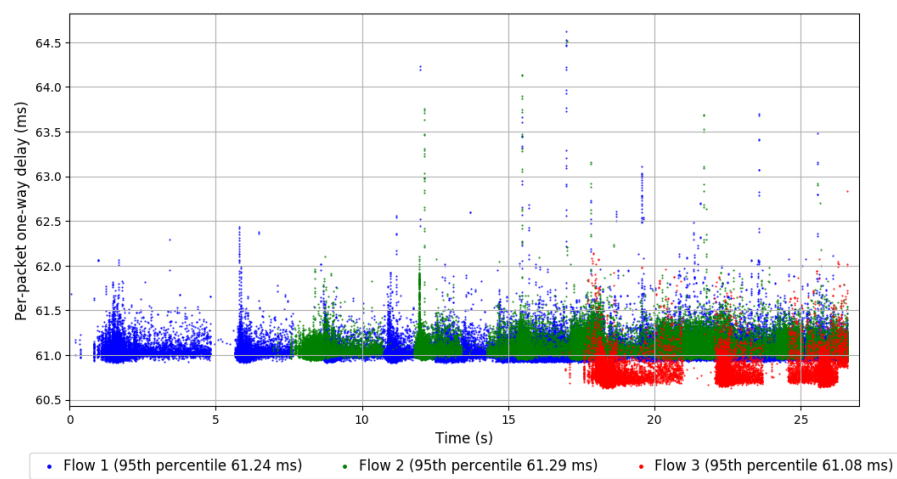
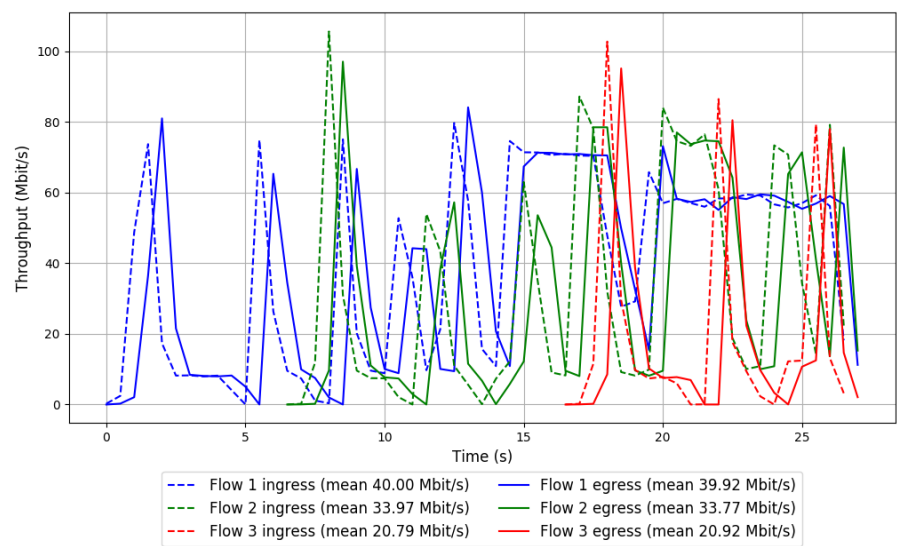
-- Flow 3:

Average throughput: 20.92 Mbit/s

95th percentile per-packet one-way delay: 61.082 ms

Loss rate: 0.58%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-05 05:43:35

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

Local clock offset: -0.068 ms

Remote clock offset: 0.276 ms

Below is generated by plot.py at 2018-07-05 12:05:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.56 Mbit/s

95th percentile per-packet one-way delay: 61.164 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 45.58 Mbit/s

95th percentile per-packet one-way delay: 61.151 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 37.04 Mbit/s

95th percentile per-packet one-way delay: 60.764 ms

Loss rate: 1.11%

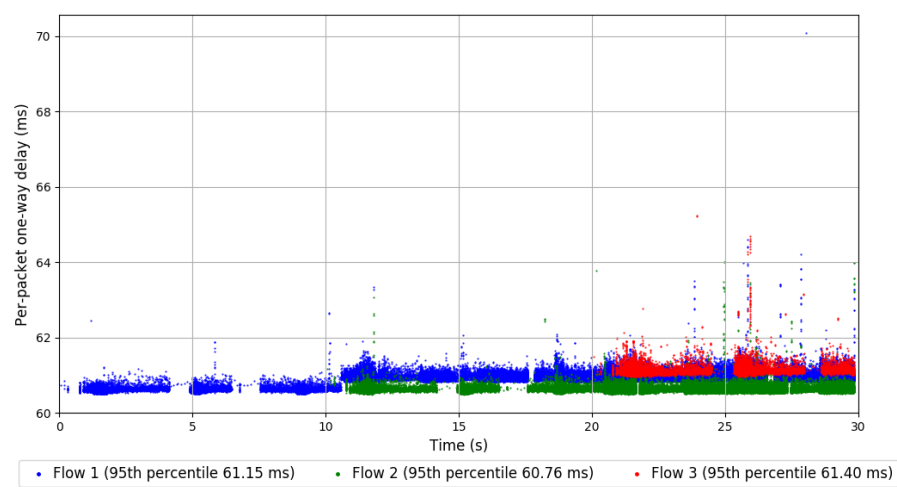
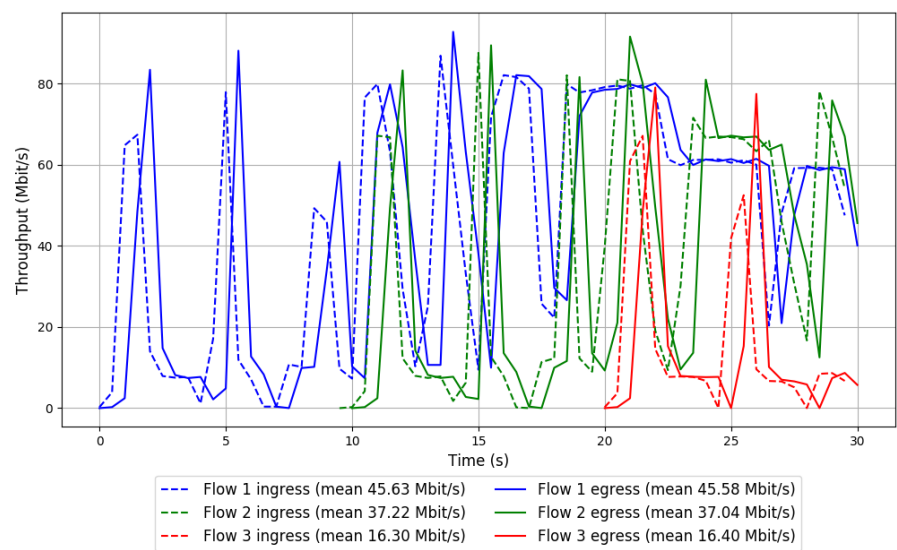
-- Flow 3:

Average throughput: 16.40 Mbit/s

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

Loss rate: 0.62%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-05 06:08:57

End at: 2018-07-05 06:09:27

Local clock offset: -0.021 ms

Remote clock offset: 0.333 ms

Below is generated by plot.py at 2018-07-05 12:05:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.71 Mbit/s

95th percentile per-packet one-way delay: 61.124 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 44.58 Mbit/s

95th percentile per-packet one-way delay: 61.063 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 35.09 Mbit/s

95th percentile per-packet one-way delay: 61.149 ms

Loss rate: 1.20%

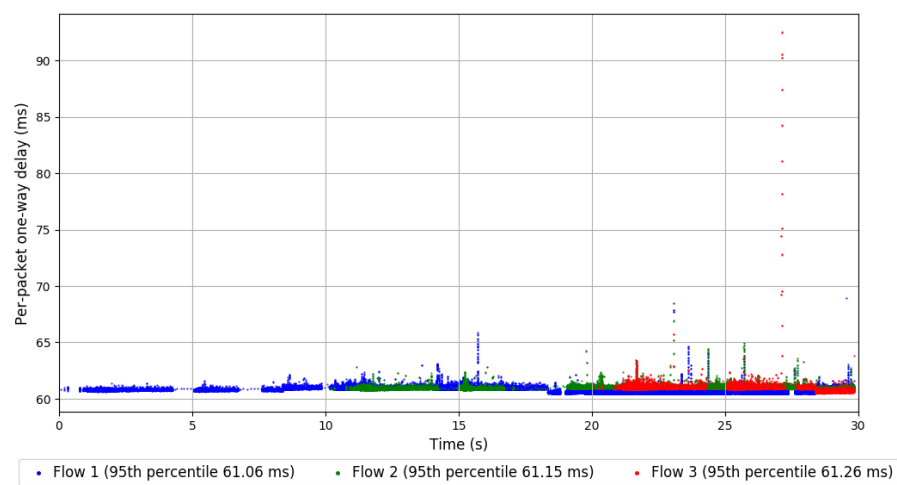
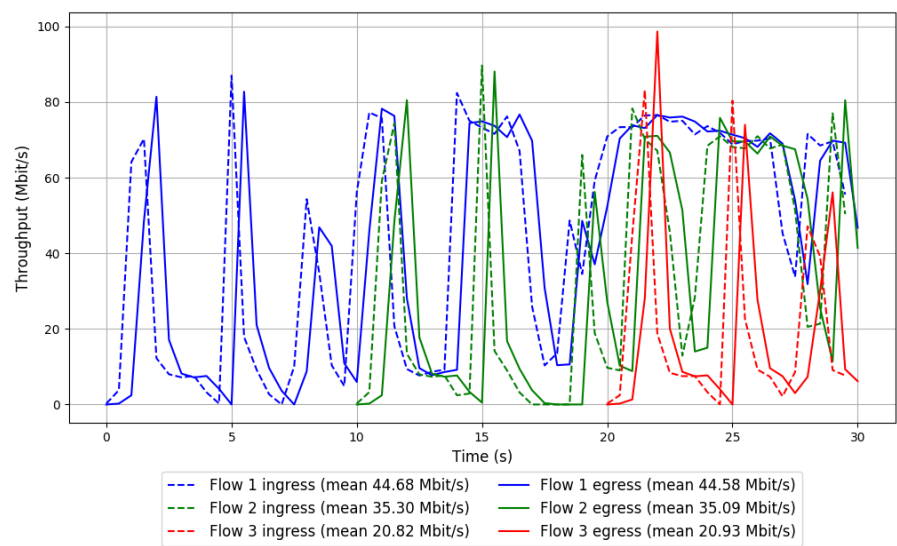
-- Flow 3:

Average throughput: 20.93 Mbit/s

95th percentile per-packet one-way delay: 61.263 ms

Loss rate: 0.66%

Run 3: Report of QUIC Cubic — Data Link

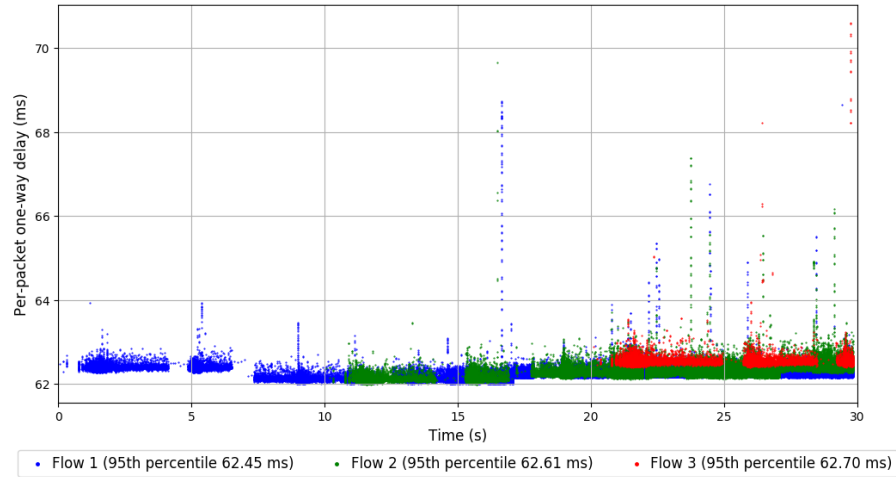
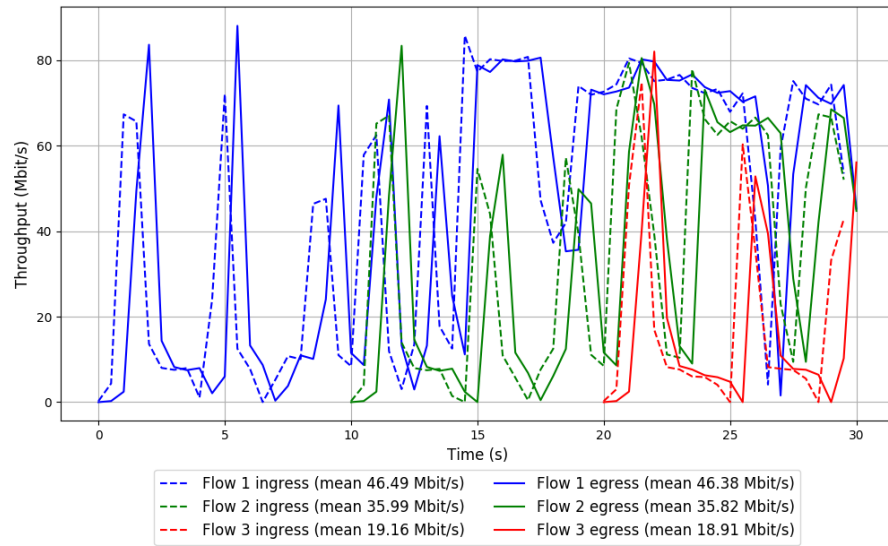


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-05 06:34:18
End at: 2018-07-05 06:34:48
Local clock offset: -0.048 ms
Remote clock offset: -1.313 ms

Below is generated by plot.py at 2018-07-05 12:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.35 Mbit/s
95th percentile per-packet one-way delay: 62.574 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 46.38 Mbit/s
95th percentile per-packet one-way delay: 62.452 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 35.82 Mbit/s
95th percentile per-packet one-way delay: 62.610 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 18.91 Mbit/s
95th percentile per-packet one-way delay: 62.705 ms
Loss rate: 2.54%

Run 4: Report of QUIC Cubic — Data Link

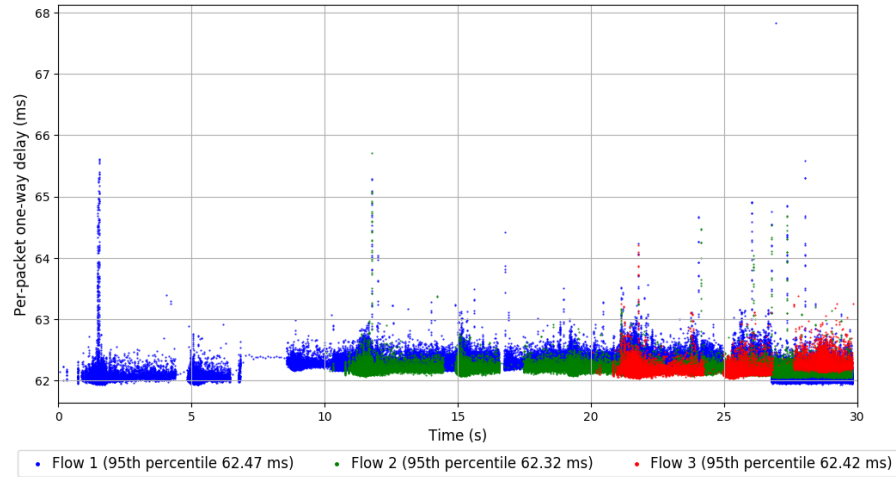
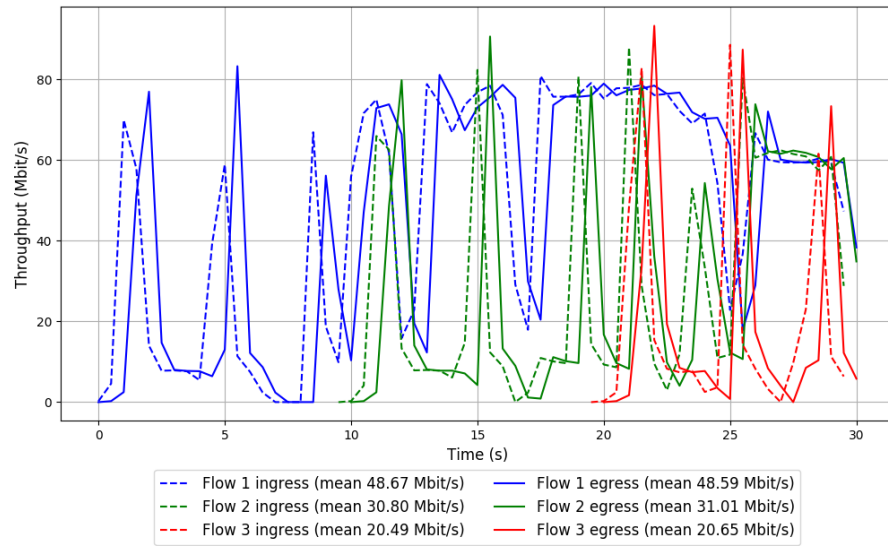


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-05 06:59:29
End at: 2018-07-05 06:59:59
Local clock offset: -0.063 ms
Remote clock offset: -1.075 ms

Below is generated by plot.py at 2018-07-05 12:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.92 Mbit/s
95th percentile per-packet one-way delay: 62.434 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 48.59 Mbit/s
95th percentile per-packet one-way delay: 62.466 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 31.01 Mbit/s
95th percentile per-packet one-way delay: 62.321 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 20.65 Mbit/s
95th percentile per-packet one-way delay: 62.420 ms
Loss rate: 0.44%

Run 5: Report of QUIC Cubic — Data Link

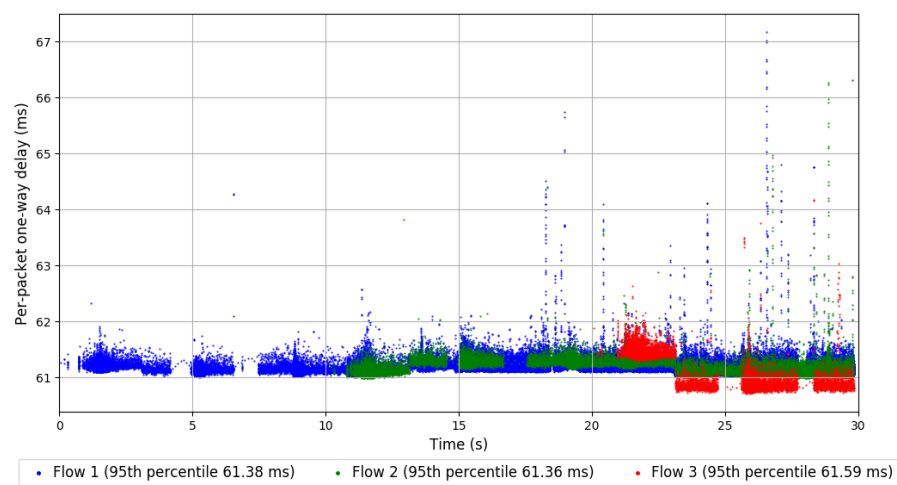
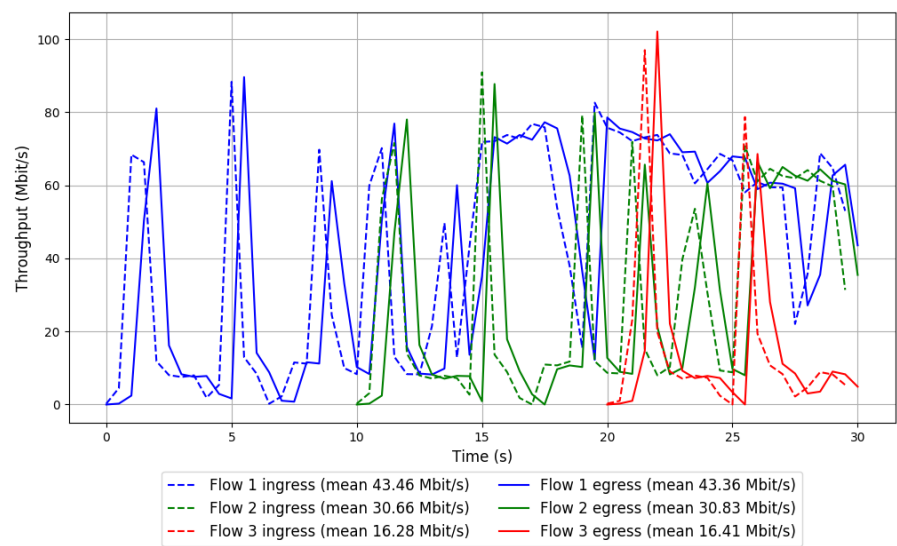


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-05 07:24:52
End at: 2018-07-05 07:25:23
Local clock offset: -0.055 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-05 12:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.17 Mbit/s
95th percentile per-packet one-way delay: 61.421 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 43.36 Mbit/s
95th percentile per-packet one-way delay: 61.385 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 30.83 Mbit/s
95th percentile per-packet one-way delay: 61.359 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 16.41 Mbit/s
95th percentile per-packet one-way delay: 61.586 ms
Loss rate: 0.45%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-05 07:49:55

End at: 2018-07-05 07:50:25

Local clock offset: -0.033 ms

Remote clock offset: 0.1 ms

Below is generated by plot.py at 2018-07-05 12:05:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.49 Mbit/s

95th percentile per-packet one-way delay: 61.438 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 47.10 Mbit/s

95th percentile per-packet one-way delay: 61.427 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 27.58 Mbit/s

95th percentile per-packet one-way delay: 61.180 ms

Loss rate: 1.21%

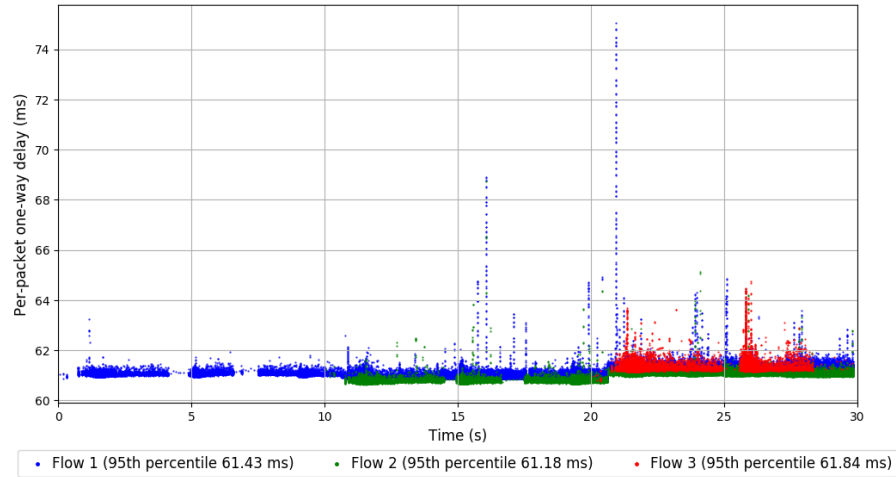
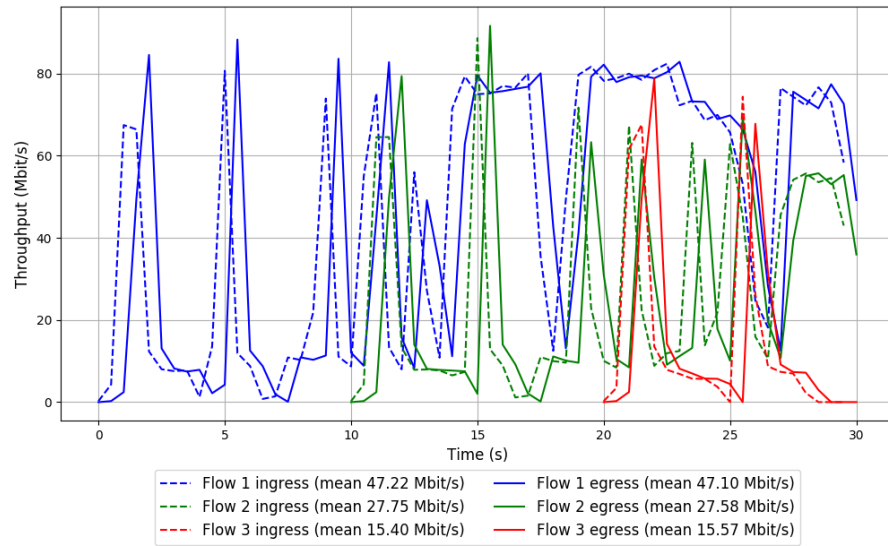
-- Flow 3:

Average throughput: 15.57 Mbit/s

95th percentile per-packet one-way delay: 61.835 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

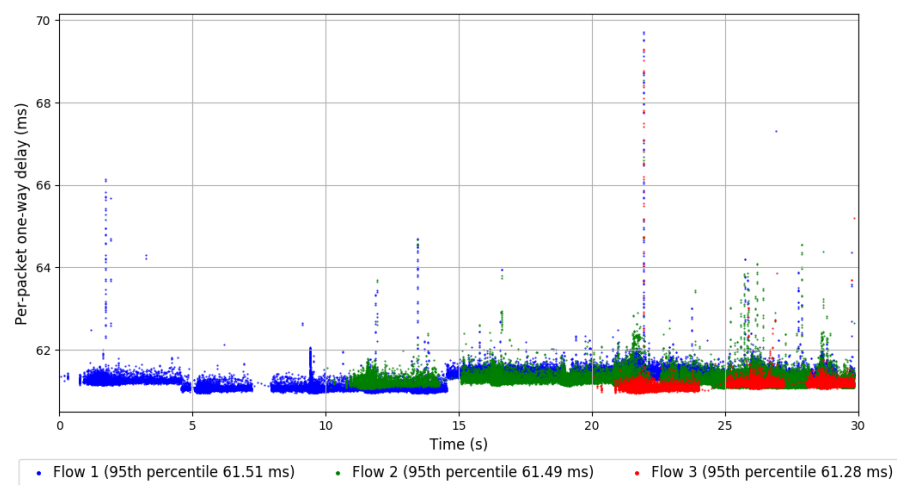
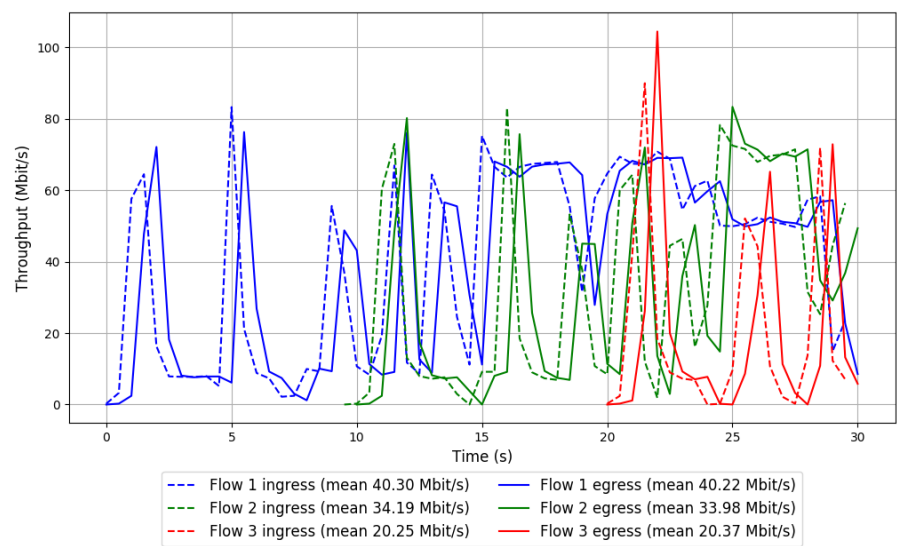


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-05 08:15:01
End at: 2018-07-05 08:15:31
Local clock offset: -0.04 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-07-05 12:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.46 Mbit/s
95th percentile per-packet one-way delay: 61.496 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 40.22 Mbit/s
95th percentile per-packet one-way delay: 61.508 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 33.98 Mbit/s
95th percentile per-packet one-way delay: 61.494 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 20.37 Mbit/s
95th percentile per-packet one-way delay: 61.282 ms
Loss rate: 0.62%

Run 8: Report of QUIC Cubic — Data Link

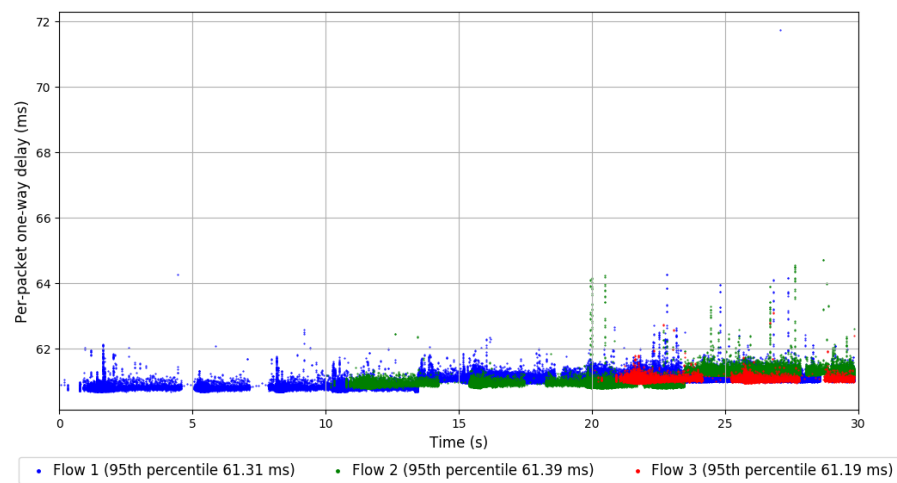
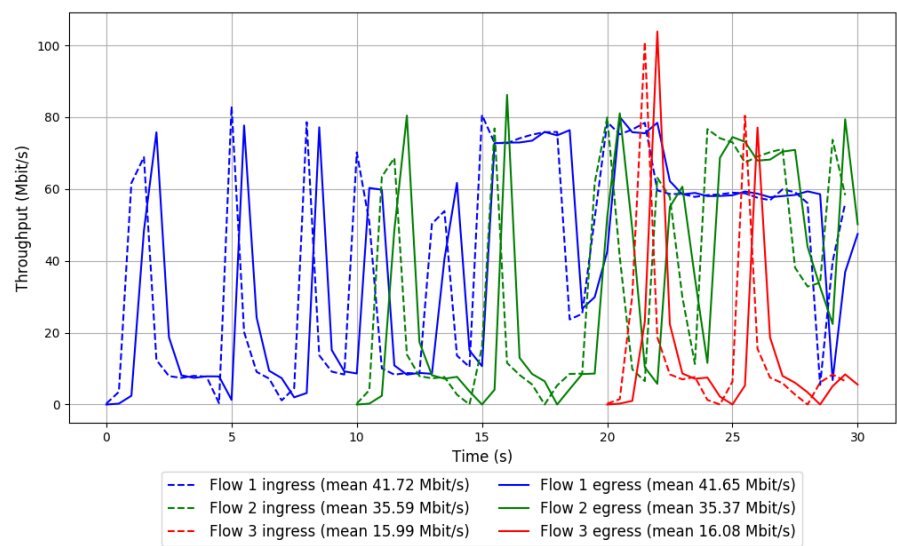


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-05 08:39:42
End at: 2018-07-05 08:40:12
Local clock offset: -0.028 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-07-05 12:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.40 Mbit/s
95th percentile per-packet one-way delay: 61.348 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 41.65 Mbit/s
95th percentile per-packet one-way delay: 61.307 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 35.37 Mbit/s
95th percentile per-packet one-way delay: 61.387 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 16.08 Mbit/s
95th percentile per-packet one-way delay: 61.192 ms
Loss rate: 0.63%

Run 9: Report of QUIC Cubic — Data Link

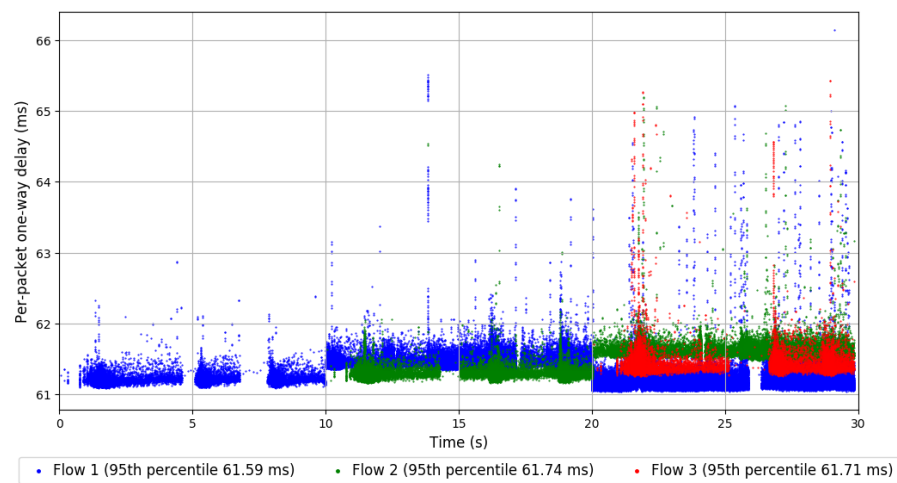
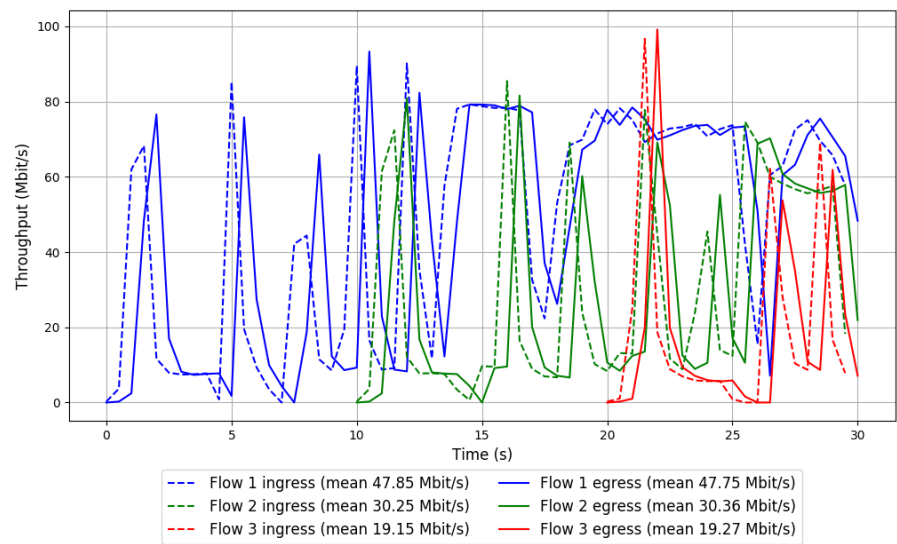


Run 10: Statistics of QUIC Cubic

Start at: 2018-07-05 09:04:56
End at: 2018-07-05 09:05:26
Local clock offset: 0.058 ms
Remote clock offset: -0.196 ms

Below is generated by plot.py at 2018-07-05 12:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.23 Mbit/s
95th percentile per-packet one-way delay: 61.681 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 47.75 Mbit/s
95th percentile per-packet one-way delay: 61.592 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 30.36 Mbit/s
95th percentile per-packet one-way delay: 61.741 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 19.27 Mbit/s
95th percentile per-packet one-way delay: 61.706 ms
Loss rate: 0.57%

Run 10: Report of QUIC Cubic — Data Link

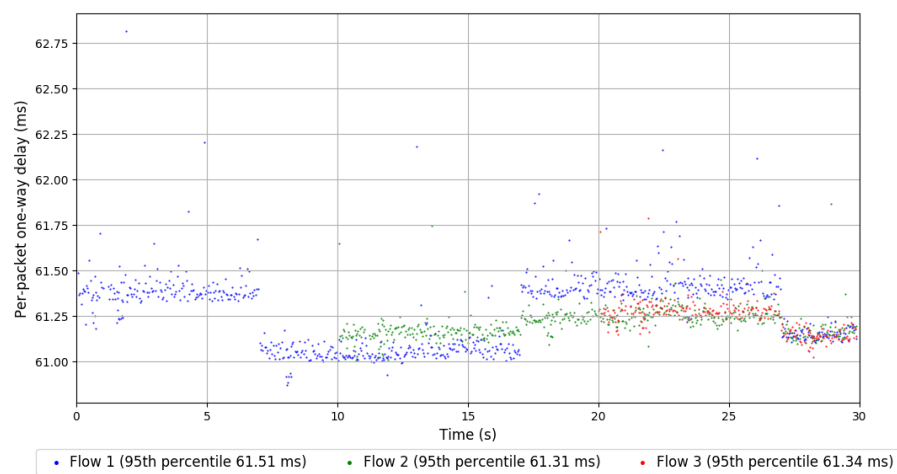
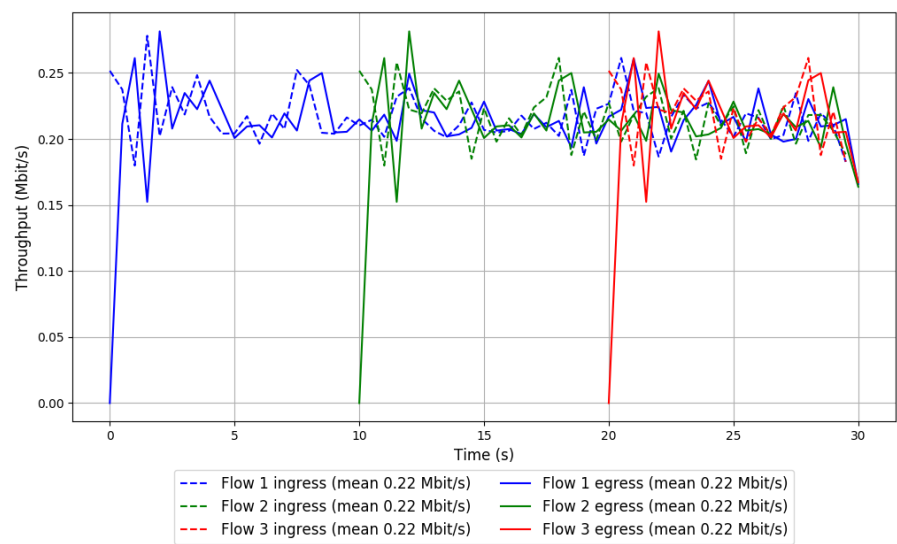


```
Run 1: Statistics of SCReAM

Start at: 2018-07-05 05:23:39
End at: 2018-07-05 05:24:09
Local clock offset: 0.052 ms
Remote clock offset: 0.081 ms

# Below is generated by plot.py at 2018-07-05 12:05:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 61.463 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.514 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.311 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.337 ms
Loss rate: 1.08%
```


Run 1: Report of SReAM — Data Link

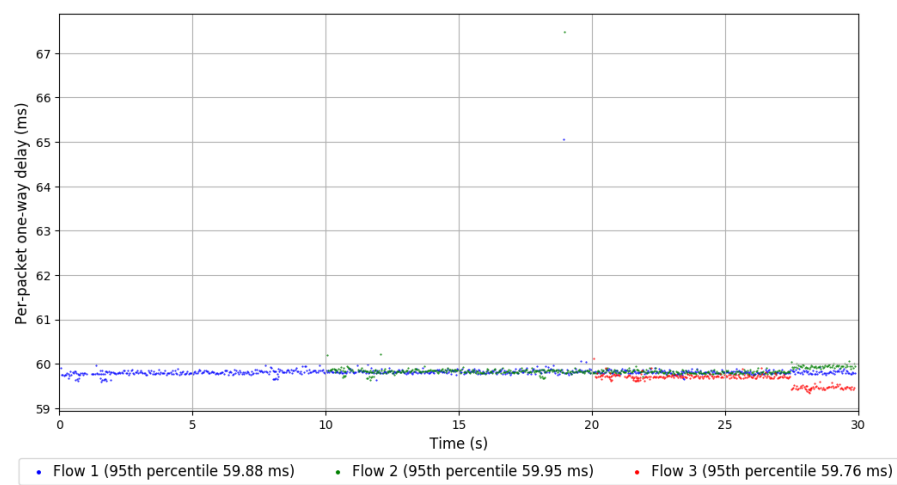
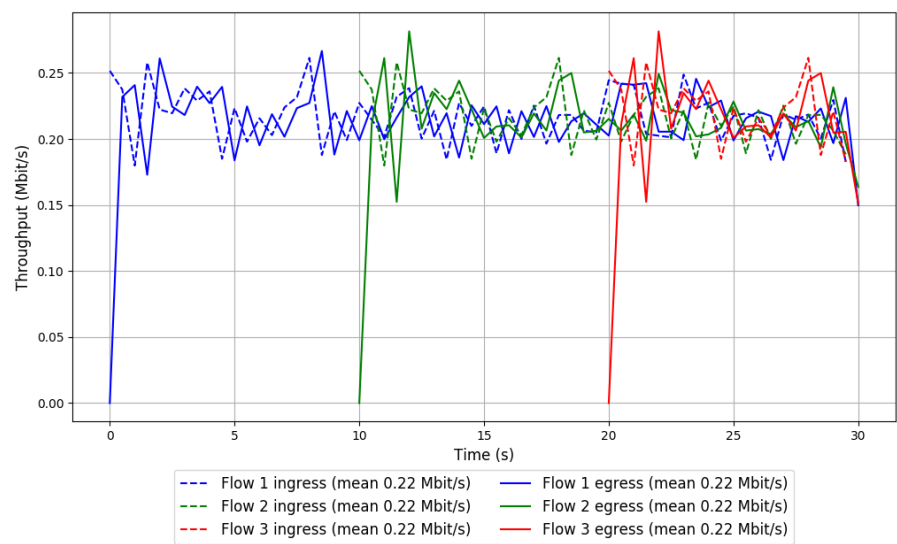


```
Run 2: Statistics of SReAM

Start at: 2018-07-05 05:48:18
End at: 2018-07-05 05:48:48
Local clock offset: -0.025 ms
Remote clock offset: 1.466 ms

# Below is generated by plot.py at 2018-07-05 12:05:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 59.916 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.883 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.949 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.764 ms
Loss rate: 1.45%
```

Run 2: Report of SReAM — Data Link

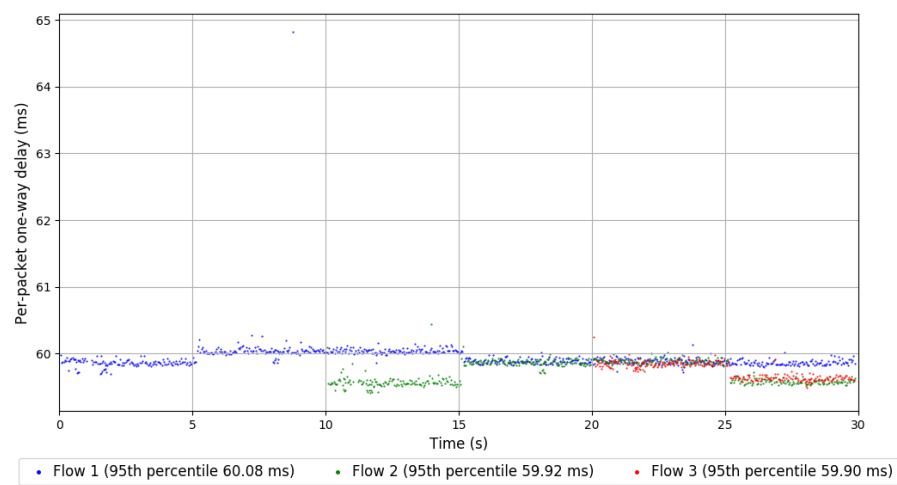
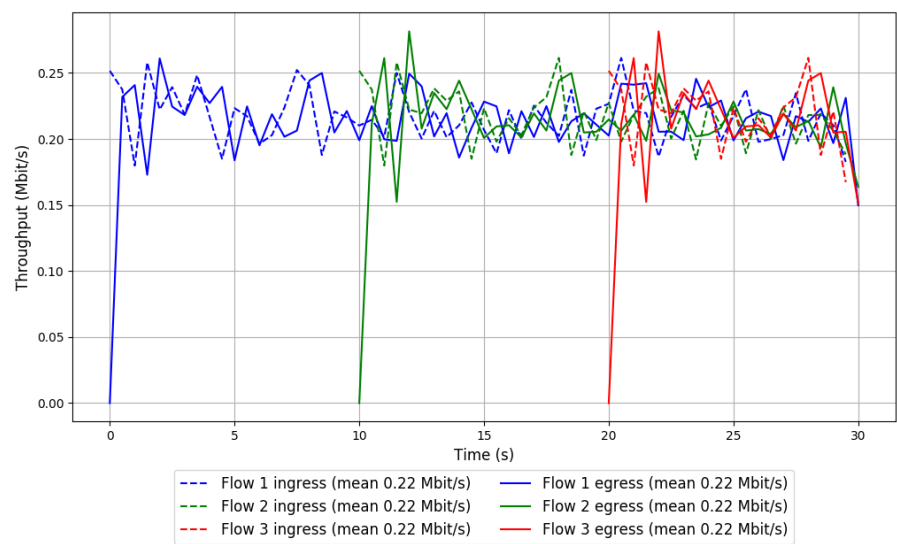


Run 3: Statistics of SReAM

Start at: 2018-07-05 06:13:41
End at: 2018-07-05 06:14:11
Local clock offset: -0.034 ms
Remote clock offset: 1.302 ms

Below is generated by plot.py at 2018-07-05 12:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 60.053 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.082 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.925 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.903 ms
Loss rate: 1.10%

Run 3: Report of SReAM — Data Link

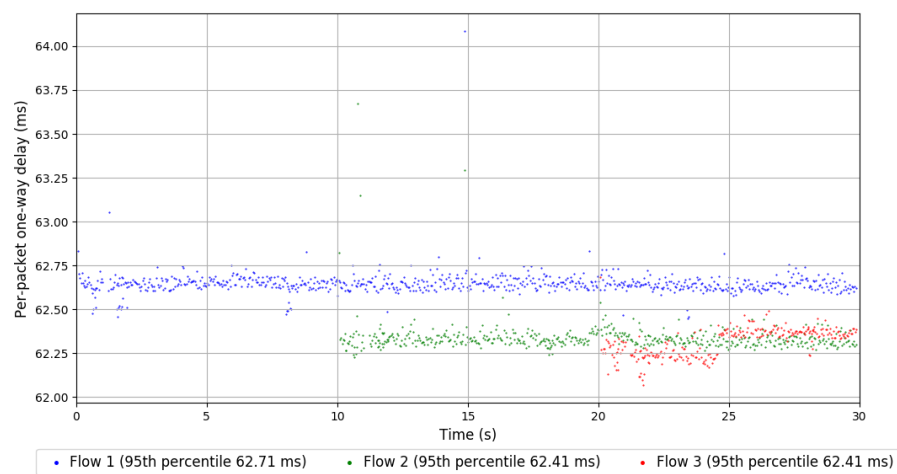
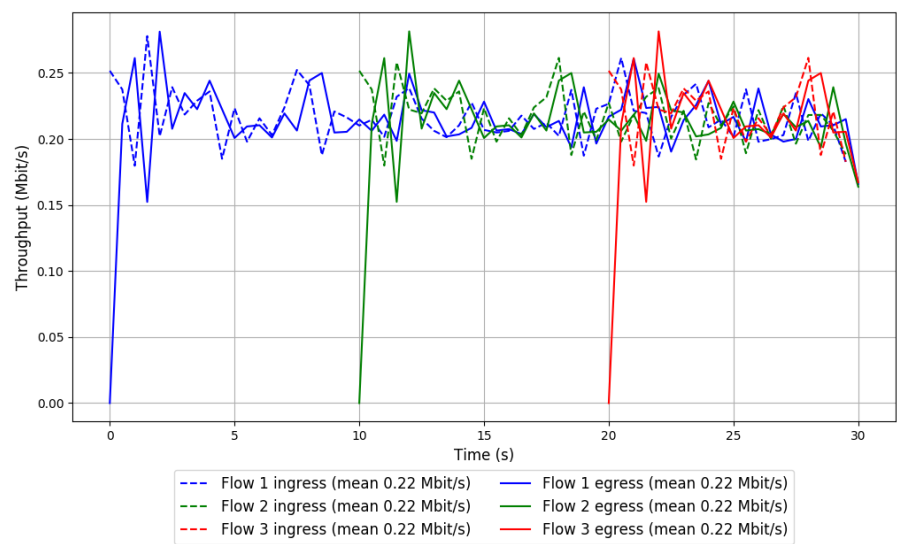


Run 4: Statistics of SReAM

Start at: 2018-07-05 06:39:01
End at: 2018-07-05 06:39:31
Local clock offset: -0.022 ms
Remote clock offset: -1.245 ms

Below is generated by plot.py at 2018-07-05 12:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 62.691 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.707 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.410 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.406 ms
Loss rate: 1.08%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-07-05 07:04:12

End at: 2018-07-05 07:04:42

Local clock offset: -0.069 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-07-05 12:05:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 61.191 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.205 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.169 ms

Loss rate: 0.61%

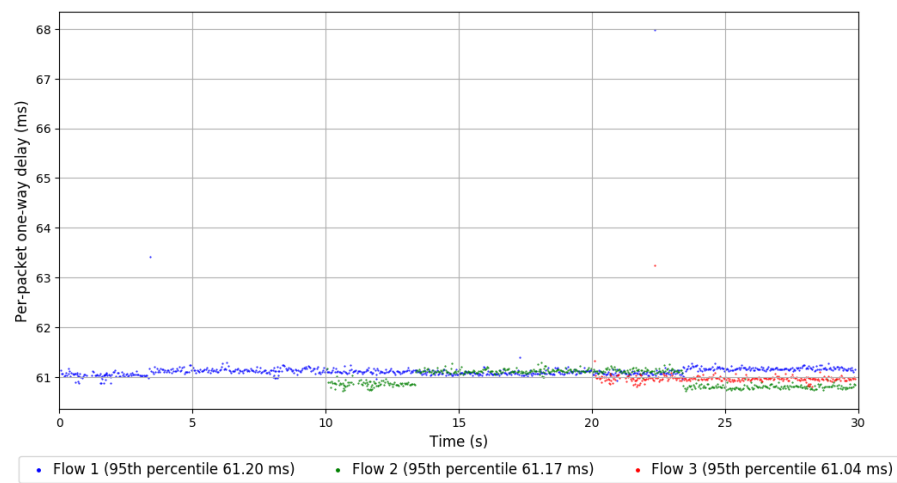
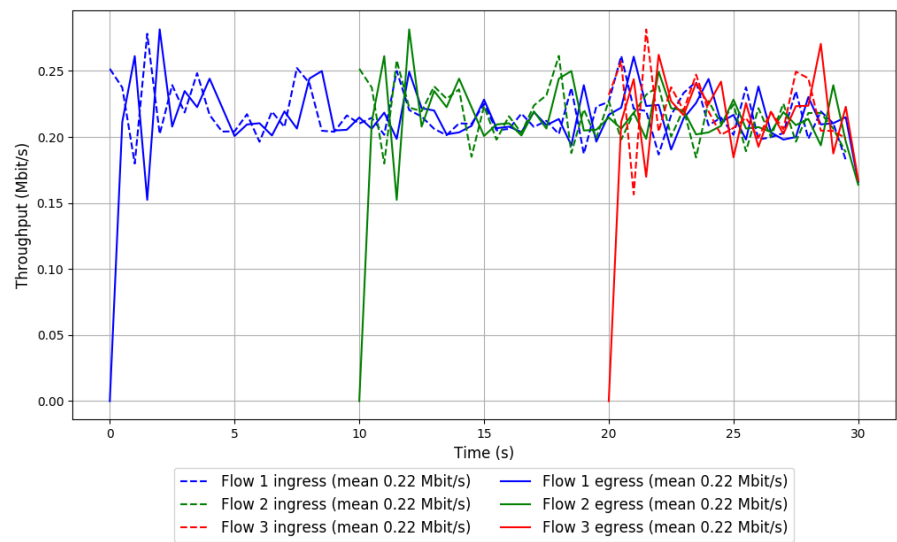
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.042 ms

Loss rate: 1.08%

Run 5: Report of SCReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-07-05 07:29:36

End at: 2018-07-05 07:30:06

Local clock offset: -0.101 ms

Remote clock offset: 0.36 ms

Below is generated by plot.py at 2018-07-05 12:05:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 60.886 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.912 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.574 ms

Loss rate: 0.61%

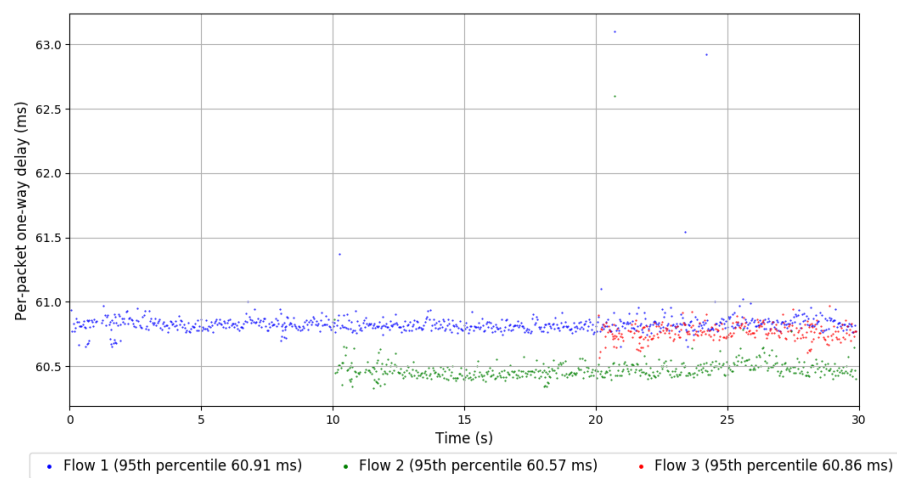
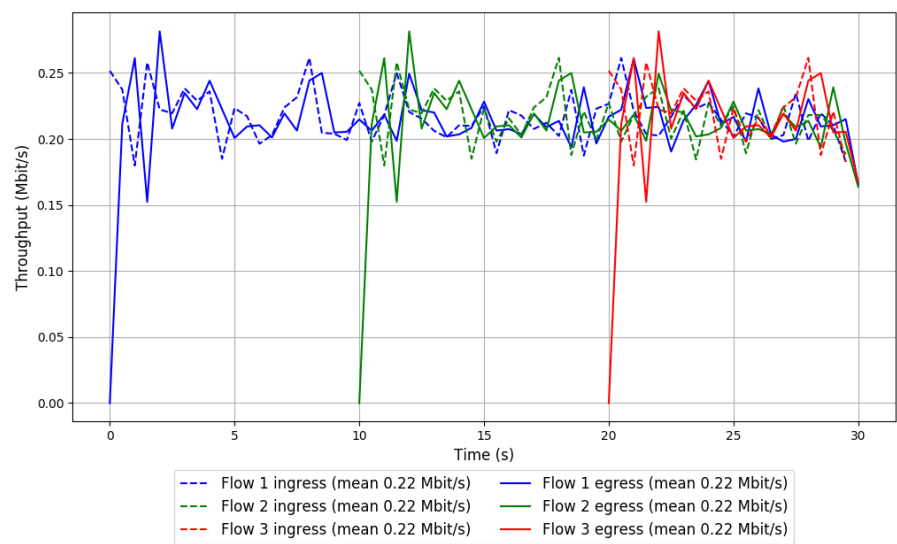
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 60.858 ms

Loss rate: 1.08%

Run 6: Report of SReAM — Data Link

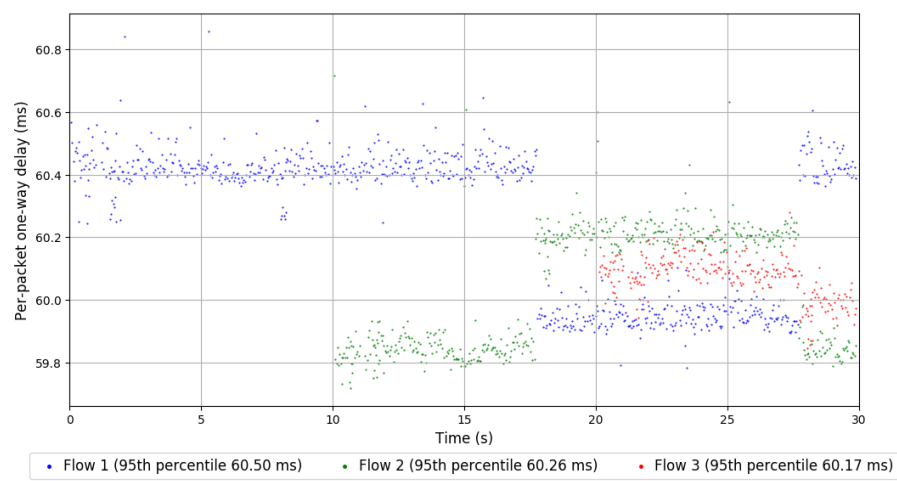
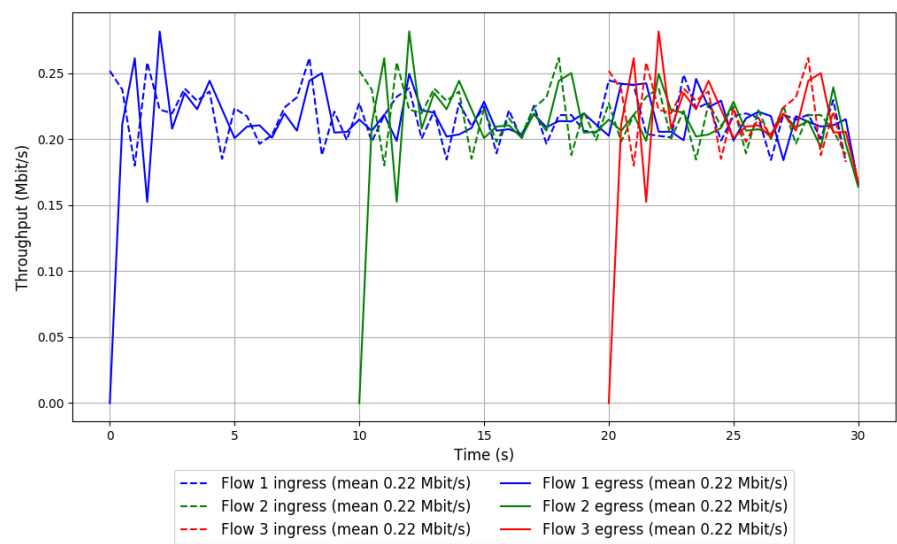


Run 7: Statistics of SReAM

Start at: 2018-07-05 07:54:38
End at: 2018-07-05 07:55:08
Local clock offset: -0.096 ms
Remote clock offset: 0.99 ms

Below is generated by plot.py at 2018-07-05 12:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 60.478 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.502 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.257 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.174 ms
Loss rate: 1.08%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-07-05 08:19:44

End at: 2018-07-05 08:20:14

Local clock offset: -0.052 ms

Remote clock offset: 0.099 ms

Below is generated by plot.py at 2018-07-05 12:05:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 61.135 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.121 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.033 ms

Loss rate: 0.63%

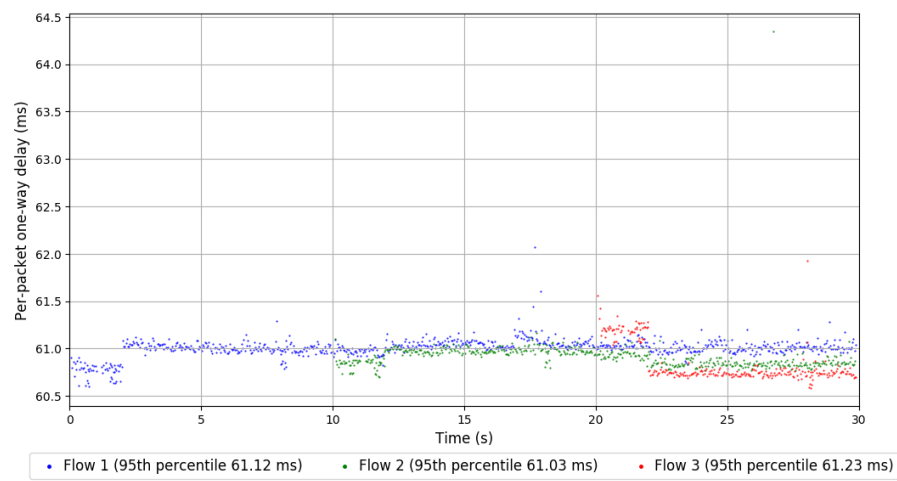
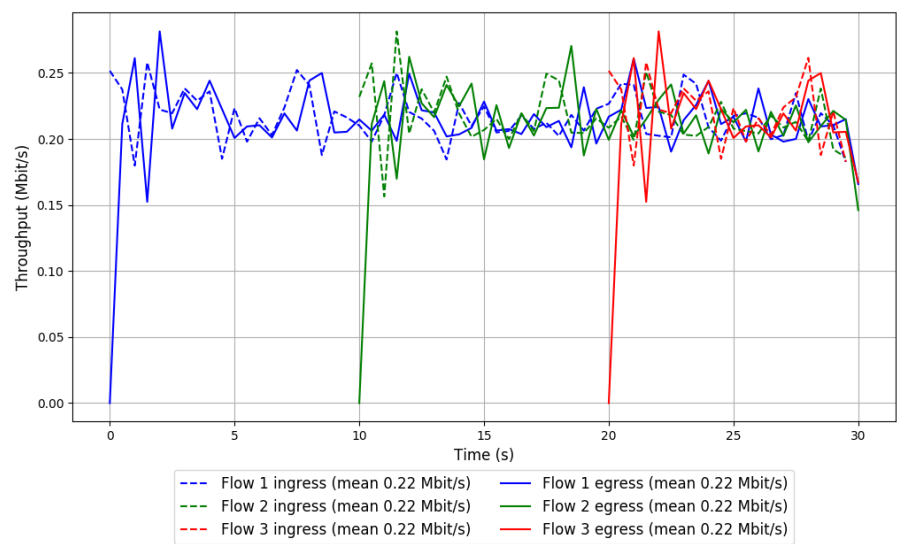
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.233 ms

Loss rate: 1.08%

Run 8: Report of SReAM — Data Link

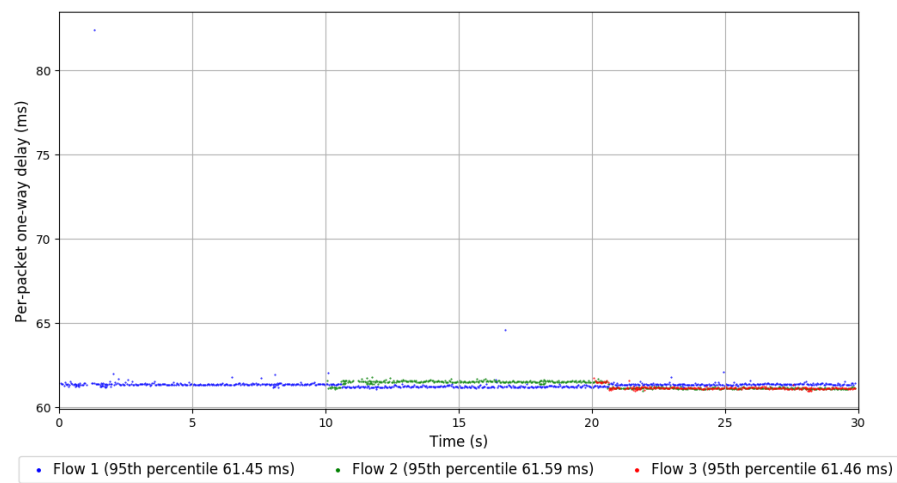
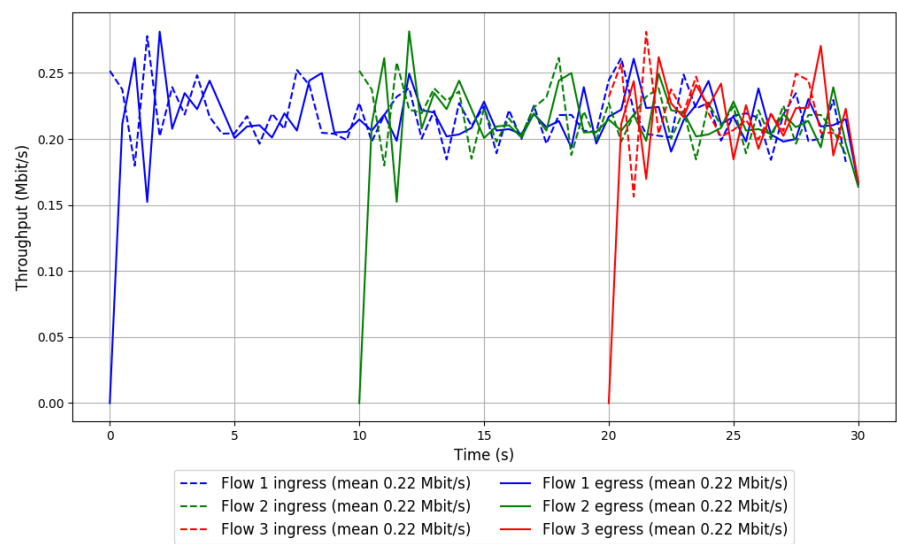


Run 9: Statistics of SReAM

Start at: 2018-07-05 08:44:25
End at: 2018-07-05 08:44:55
Local clock offset: -0.046 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-07-05 12:05:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 61.554 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.445 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.586 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.464 ms
Loss rate: 1.08%

Run 9: Report of SCReAM — Data Link

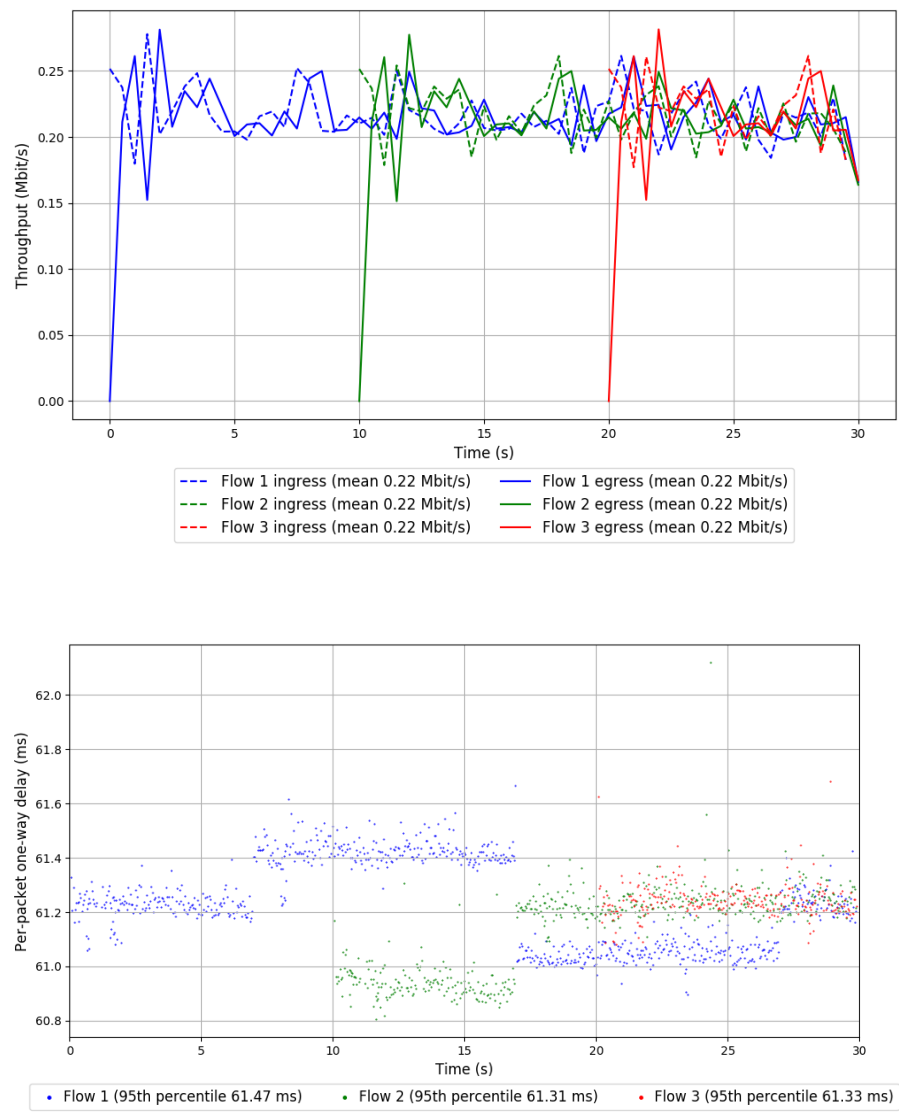


Run 10: Statistics of SReAM

Start at: 2018-07-05 09:09:39
End at: 2018-07-05 09:10:09
Local clock offset: 0.056 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-07-05 12:06:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 61.440 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.465 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.309 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

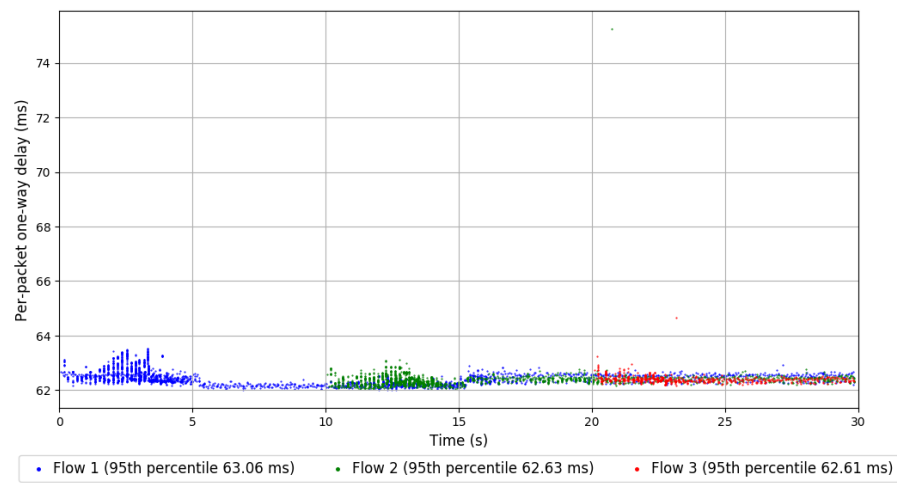
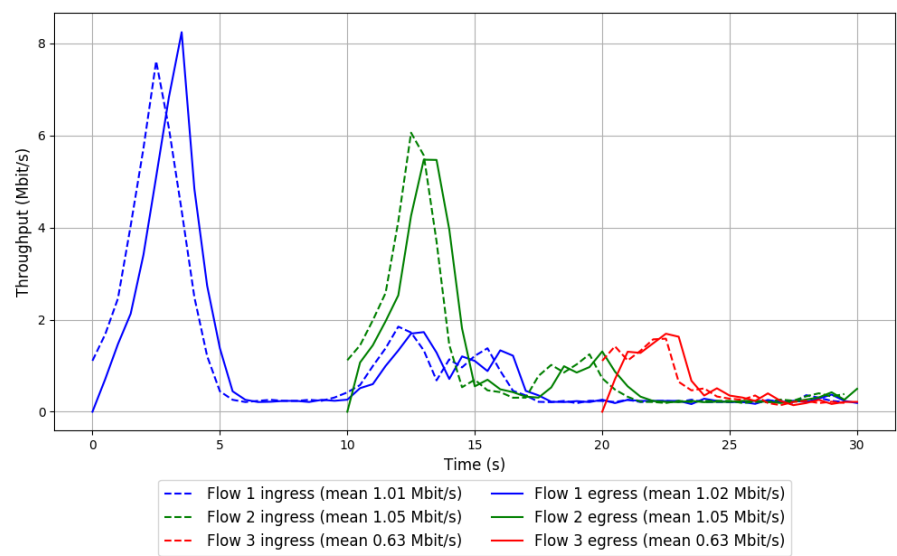


Run 1: Statistics of Sprout

Start at: 2018-07-05 05:21:20
End at: 2018-07-05 05:21:50
Local clock offset: 0.08 ms
Remote clock offset: -1.201 ms

Below is generated by plot.py at 2018-07-05 12:06:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 62.871 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 63.056 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 1.05 Mbit/s
95th percentile per-packet one-way delay: 62.630 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 62.614 ms
Loss rate: 0.03%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-05 05:46:00

End at: 2018-07-05 05:46:30

Local clock offset: -0.05 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-05 12:06:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.12 Mbit/s

95th percentile per-packet one-way delay: 61.600 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 61.551 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 0.65 Mbit/s

95th percentile per-packet one-way delay: 61.539 ms

Loss rate: 0.35%

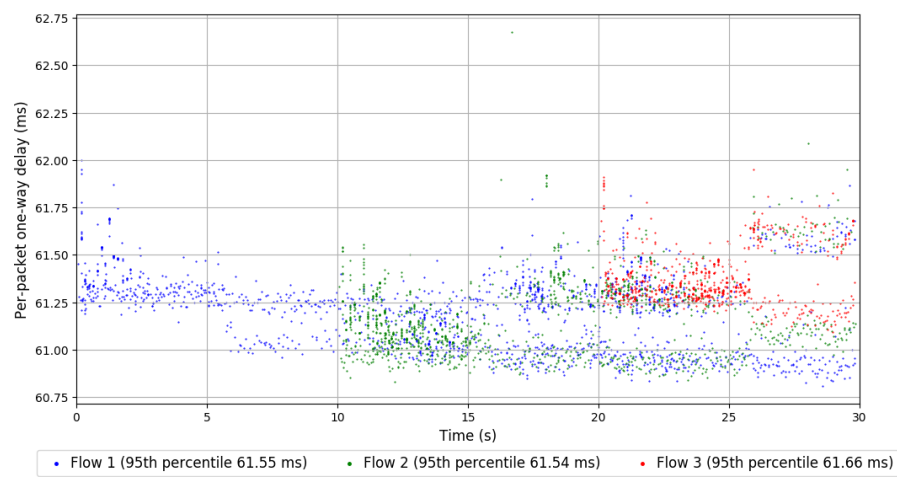
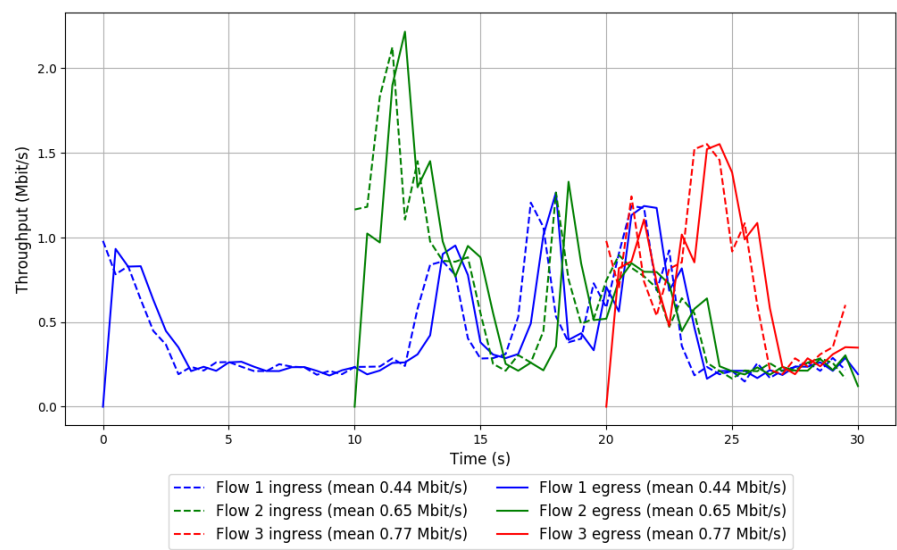
-- Flow 3:

Average throughput: 0.77 Mbit/s

95th percentile per-packet one-way delay: 61.659 ms

Loss rate: 1.67%

Run 2: Report of Sprout — Data Link

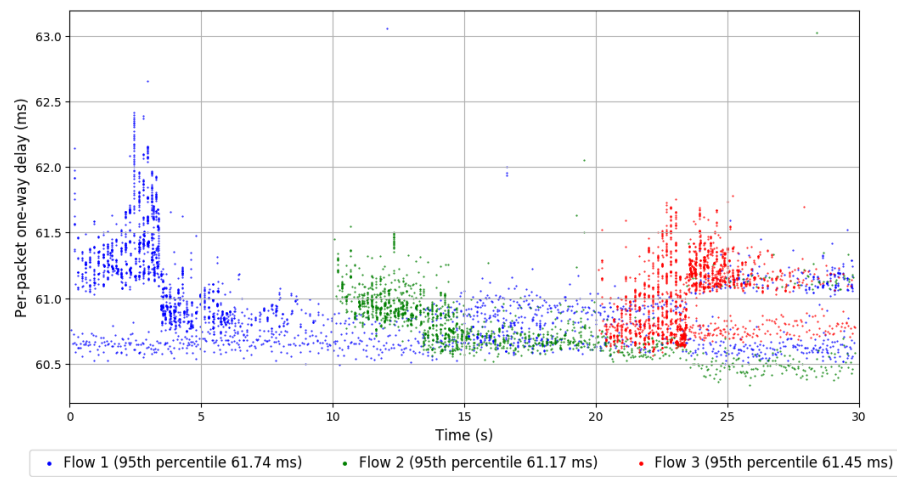
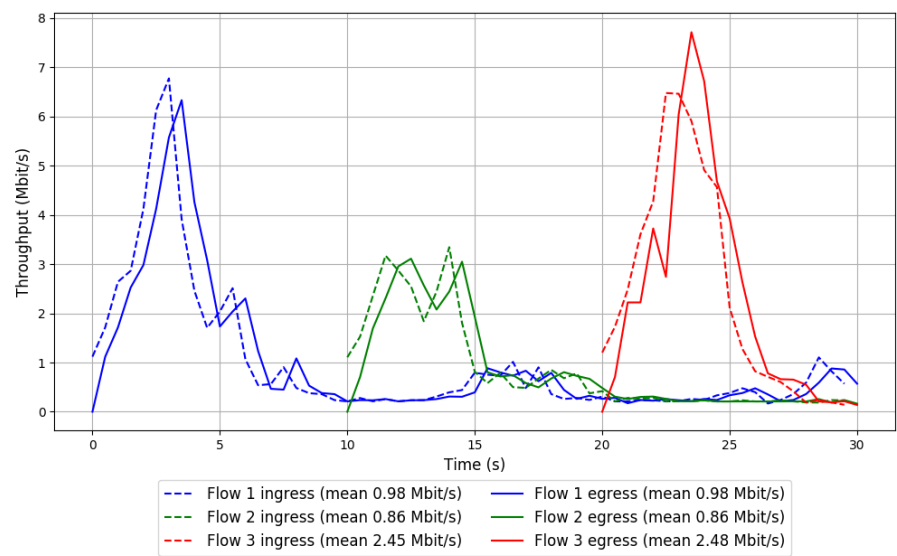


Run 3: Statistics of Sprout

Start at: 2018-07-05 06:11:22
End at: 2018-07-05 06:11:52
Local clock offset: -0.044 ms
Remote clock offset: 0.342 ms

```
# Below is generated by plot.py at 2018-07-05 12:06:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 61.536 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 0.98 Mbit/s
95th percentile per-packet one-way delay: 61.738 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 0.86 Mbit/s
95th percentile per-packet one-way delay: 61.170 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 2.48 Mbit/s
95th percentile per-packet one-way delay: 61.452 ms
Loss rate: 0.10%
```


Run 3: Report of Sprout — Data Link

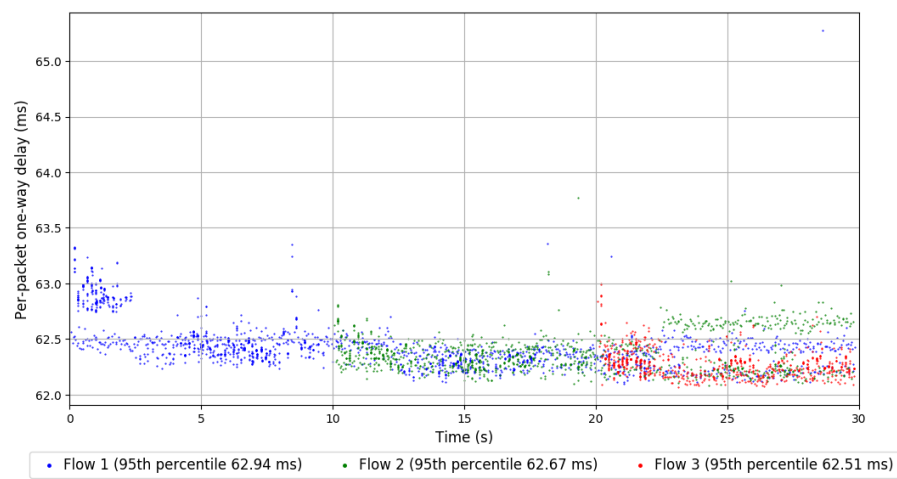
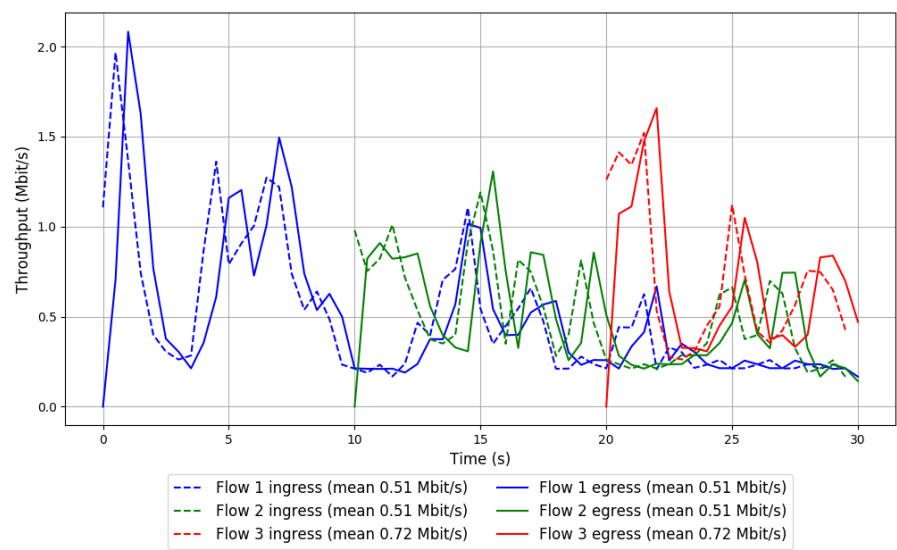


Run 4: Statistics of Sprout

Start at: 2018-07-05 06:36:43
End at: 2018-07-05 06:37:13
Local clock offset: -0.036 ms
Remote clock offset: -1.301 ms

```
# Below is generated by plot.py at 2018-07-05 12:06:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.09 Mbit/s
95th percentile per-packet one-way delay: 62.832 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 62.944 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 62.673 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 62.505 ms
Loss rate: 0.02%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

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

End at: 2018-07-05 07:02:24

Local clock offset: -0.071 ms

Remote clock offset: 0.176 ms

Below is generated by plot.py at 2018-07-05 12:06:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.82 Mbit/s

95th percentile per-packet one-way delay: 61.492 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 61.555 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 61.039 ms

Loss rate: 0.47%

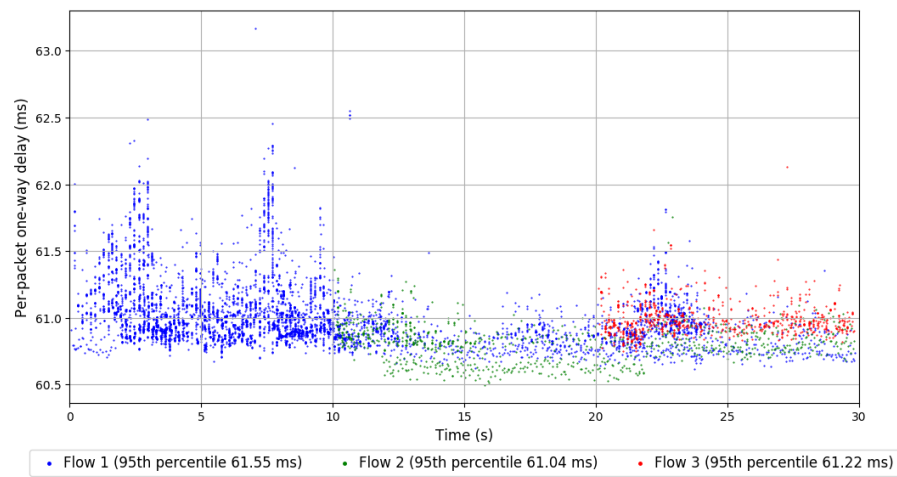
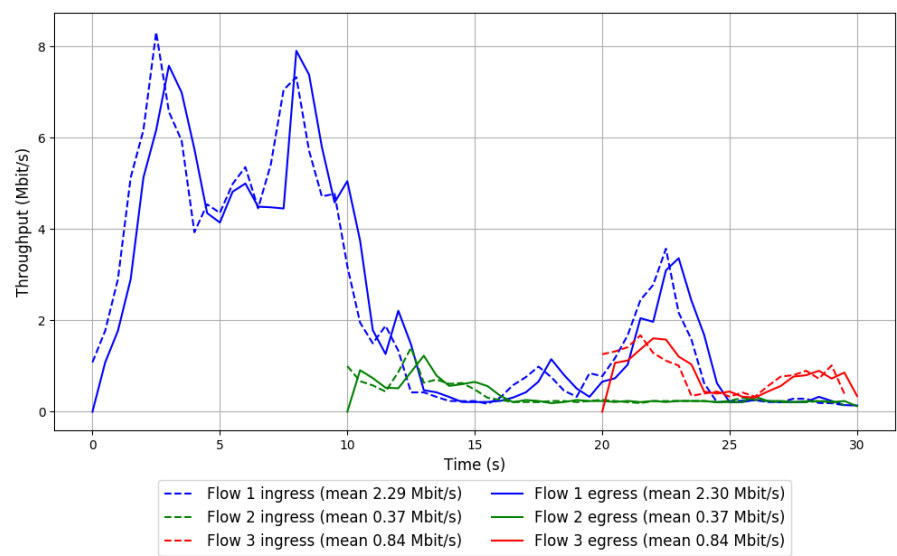
-- Flow 3:

Average throughput: 0.84 Mbit/s

95th percentile per-packet one-way delay: 61.215 ms

Loss rate: 1.27%

Run 5: Report of Sprout — Data Link

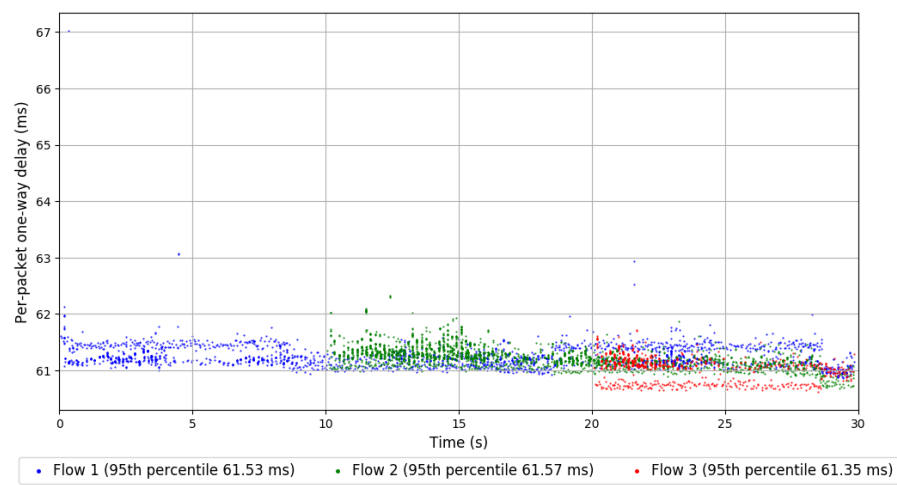
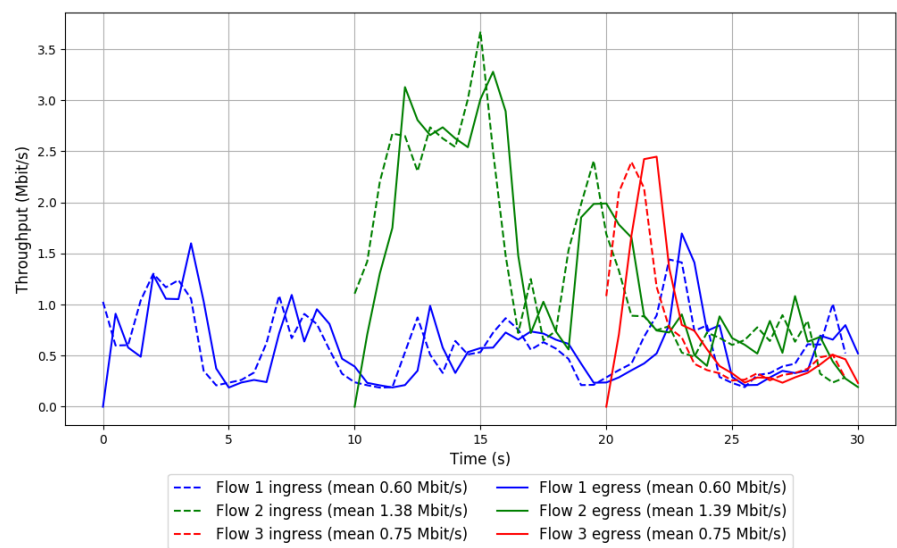


Run 6: Statistics of Sprout

Start at: 2018-07-05 07:27:17
End at: 2018-07-05 07:27:47
Local clock offset: -0.072 ms
Remote clock offset: 0.045 ms

```
# Below is generated by plot.py at 2018-07-05 12:06:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 61.527 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 61.527 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 61.566 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 0.75 Mbit/s
95th percentile per-packet one-way delay: 61.352 ms
Loss rate: 0.77%
```

Run 6: Report of Sprout — Data Link

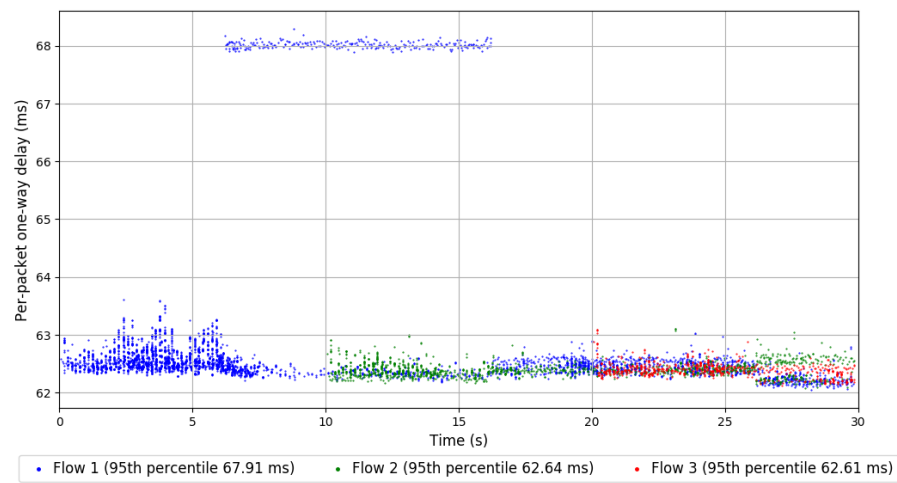
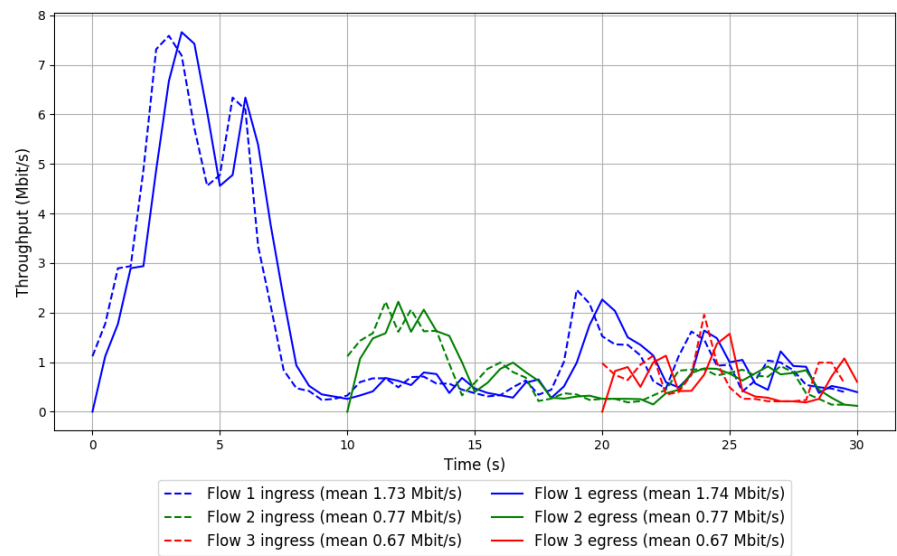


Run 7: Statistics of Sprout

Start at: 2018-07-05 07:52:19
End at: 2018-07-05 07:52:49
Local clock offset: -0.026 ms
Remote clock offset: -1.249 ms

Below is generated by plot.py at 2018-07-05 12:06:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.47 Mbit/s
95th percentile per-packet one-way delay: 63.031 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 67.906 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 62.636 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 62.608 ms
Loss rate: 1.26%

Run 7: Report of Sprout — Data Link

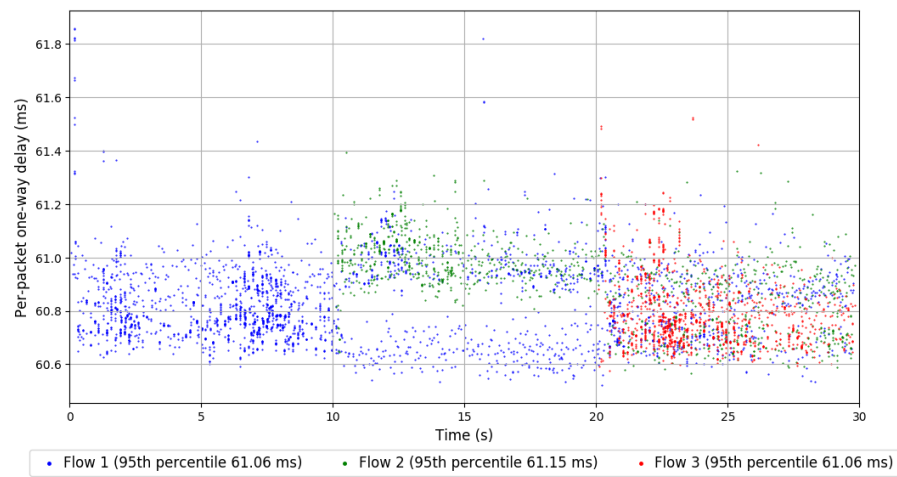
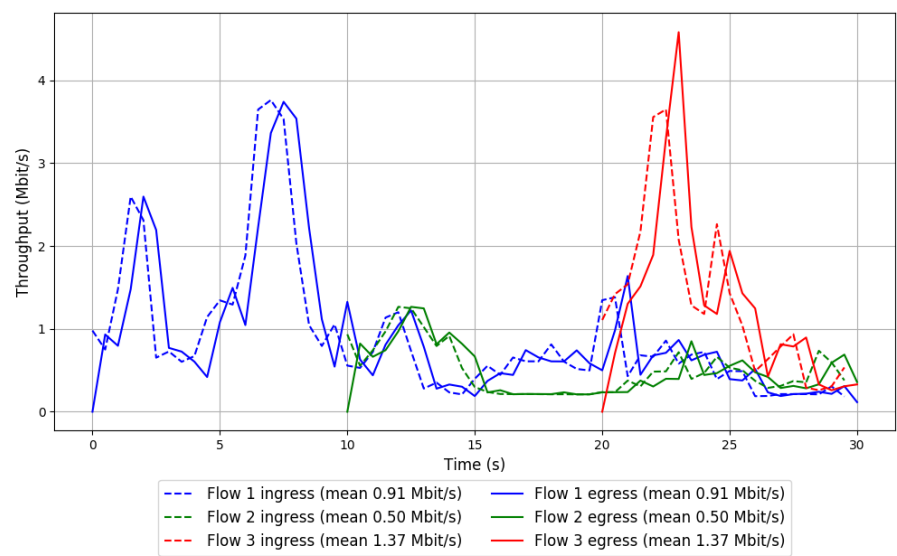


Run 8: Statistics of Sprout

Start at: 2018-07-05 08:17:25
End at: 2018-07-05 08:17:55
Local clock offset: -0.084 ms
Remote clock offset: 0.139 ms

```
# Below is generated by plot.py at 2018-07-05 12:06:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.70 Mbit/s
95th percentile per-packet one-way delay: 61.098 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 0.91 Mbit/s
95th percentile per-packet one-way delay: 61.057 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 61.146 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 1.37 Mbit/s
95th percentile per-packet one-way delay: 61.064 ms
Loss rate: 0.77%
```

Run 8: Report of Sprout — Data Link

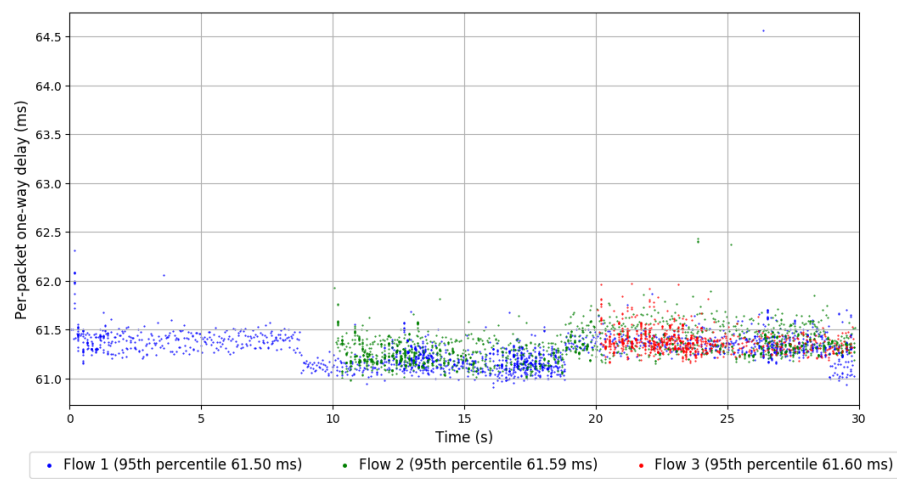
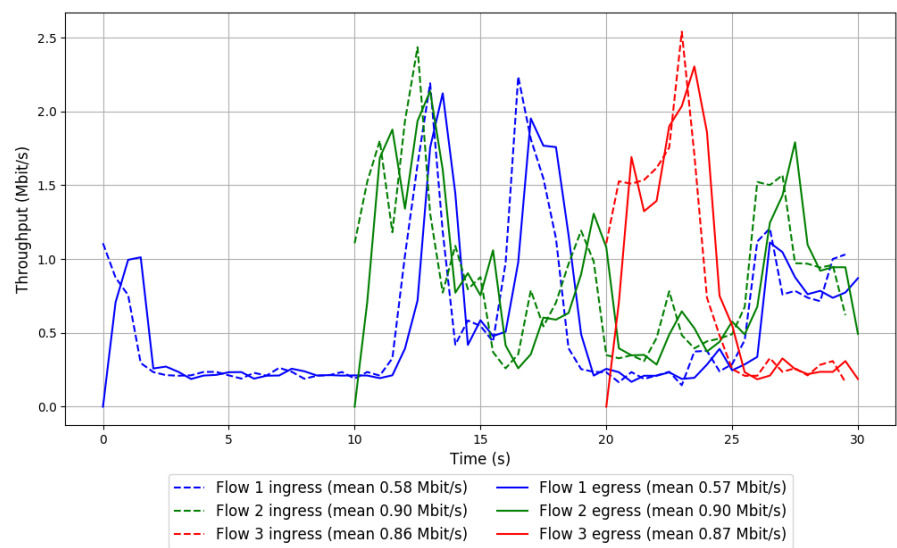


Run 9: Statistics of Sprout

Start at: 2018-07-05 08:42:07
End at: 2018-07-05 08:42:37
Local clock offset: -0.036 ms
Remote clock offset: -0.287 ms

Below is generated by plot.py at 2018-07-05 12:06:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 61.567 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 61.504 ms
Loss rate: 1.66%
-- Flow 2:
Average throughput: 0.90 Mbit/s
95th percentile per-packet one-way delay: 61.588 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 0.87 Mbit/s
95th percentile per-packet one-way delay: 61.601 ms
Loss rate: 0.42%

Run 9: Report of Sprout — Data Link

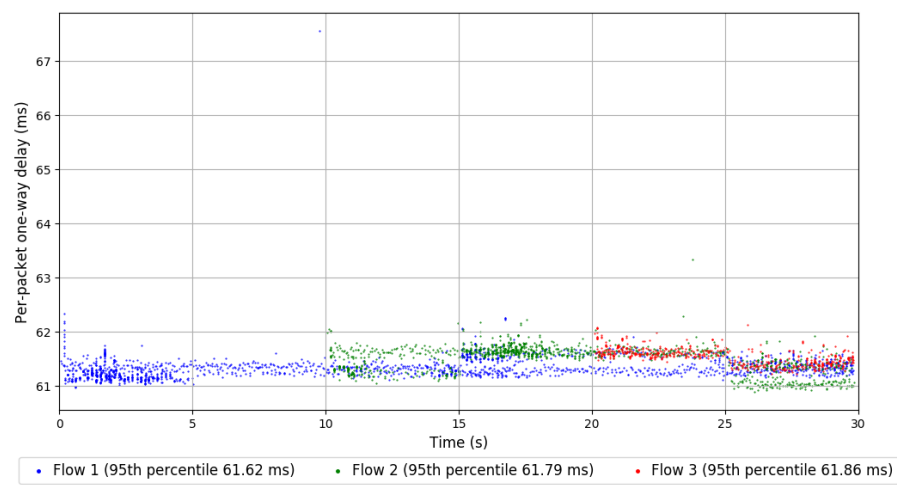
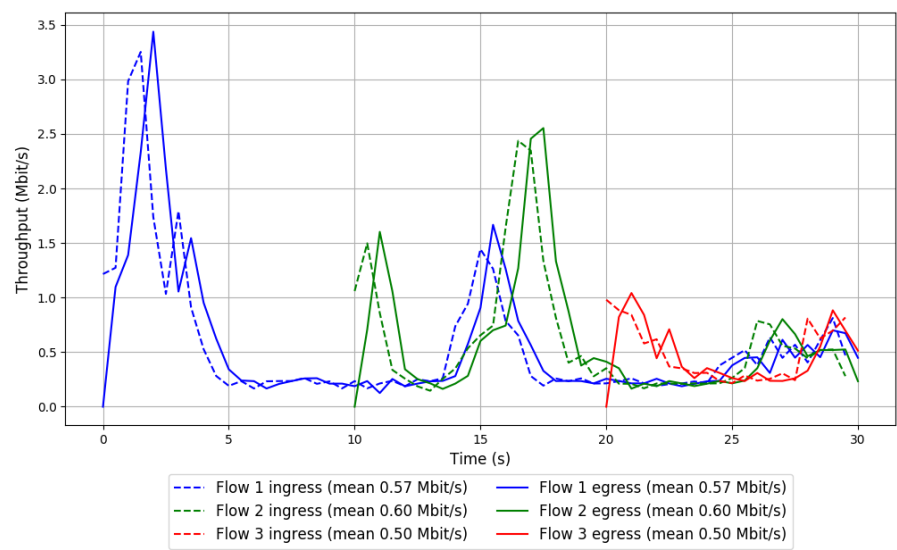


Run 10: Statistics of Sprout

Start at: 2018-07-05 09:07:21
End at: 2018-07-05 09:07:51
Local clock offset: 0.047 ms
Remote clock offset: -0.213 ms

Below is generated by plot.py at 2018-07-05 12:06:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.13 Mbit/s
95th percentile per-packet one-way delay: 61.750 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 61.625 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 61.788 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 61.861 ms
Loss rate: 3.07%

Run 10: Report of Sprout — Data Link

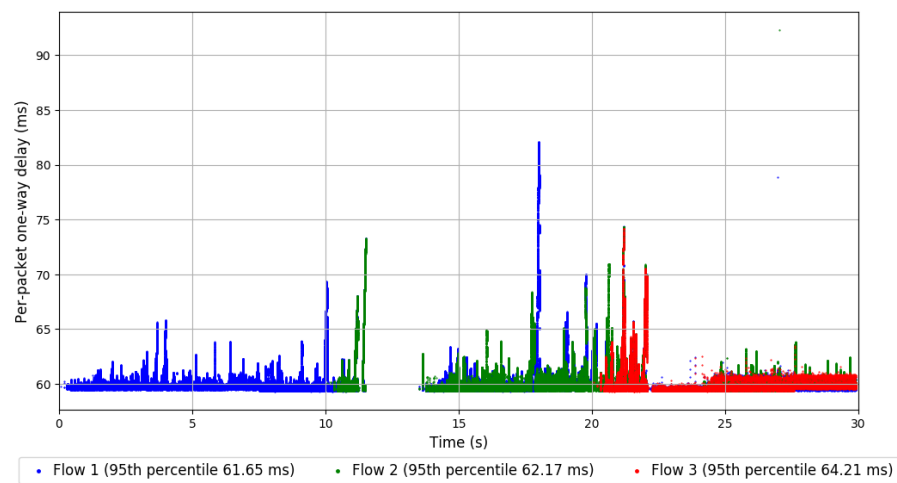
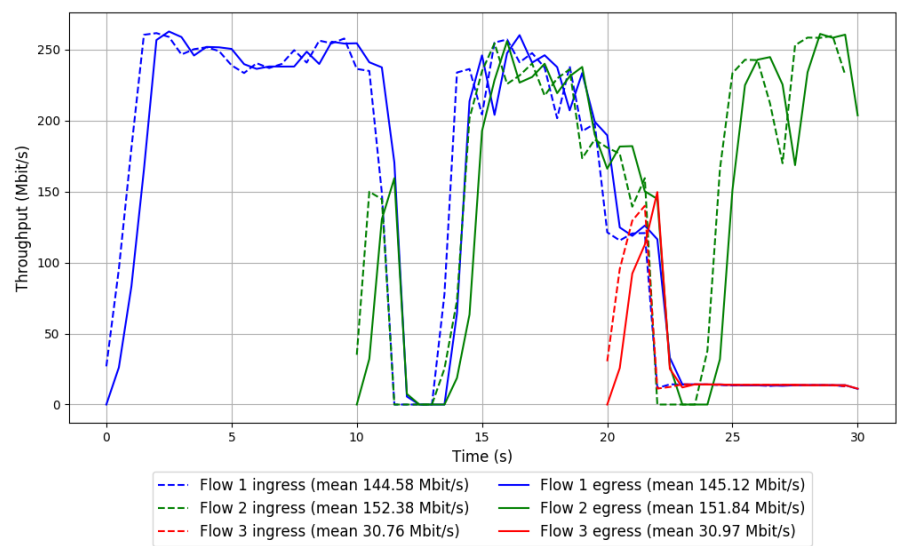


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-05 05:15:58
End at: 2018-07-05 05:16:28
Local clock offset: 0.191 ms
Remote clock offset: 1.542 ms

# Below is generated by plot.py at 2018-07-05 12:09:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 256.24 Mbit/s
95th percentile per-packet one-way delay: 61.969 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 145.12 Mbit/s
95th percentile per-packet one-way delay: 61.653 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 151.84 Mbit/s
95th percentile per-packet one-way delay: 62.171 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 30.97 Mbit/s
95th percentile per-packet one-way delay: 64.214 ms
Loss rate: 0.55%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-05 05:40:34

End at: 2018-07-05 05:41:04

Local clock offset: -0.078 ms

Remote clock offset: 1.382 ms

Below is generated by plot.py at 2018-07-05 12:11:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 289.90 Mbit/s

95th percentile per-packet one-way delay: 62.823 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 145.08 Mbit/s

95th percentile per-packet one-way delay: 63.133 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 108.94 Mbit/s

95th percentile per-packet one-way delay: 64.129 ms

Loss rate: 1.27%

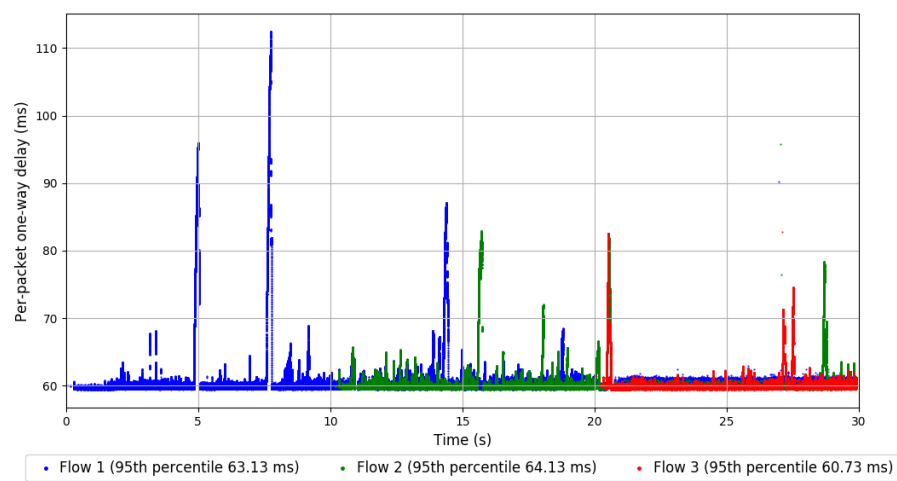
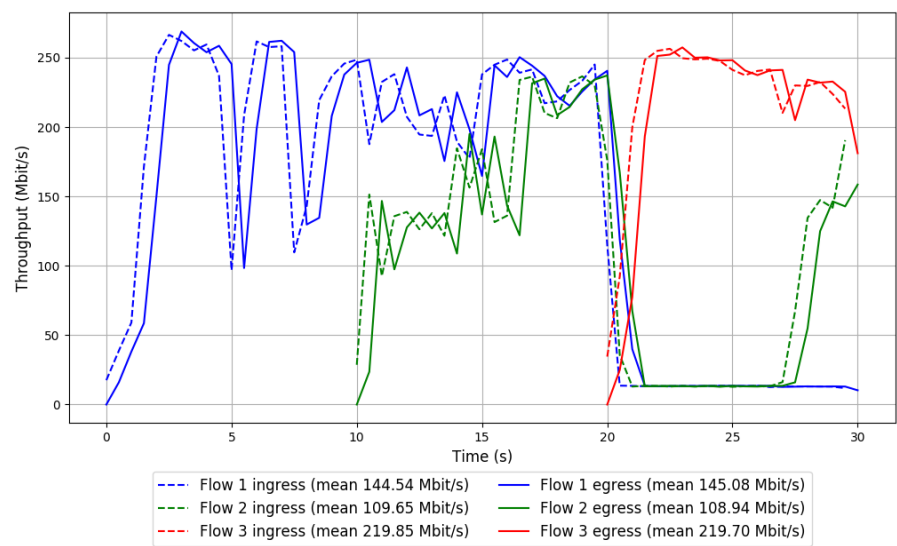
-- Flow 3:

Average throughput: 219.70 Mbit/s

95th percentile per-packet one-way delay: 60.728 ms

Loss rate: 1.32%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-05 06:05:55

End at: 2018-07-05 06:06:25

Local clock offset: -0.041 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-05 12:12:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 307.72 Mbit/s

95th percentile per-packet one-way delay: 65.352 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 157.09 Mbit/s

95th percentile per-packet one-way delay: 64.341 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 177.01 Mbit/s

95th percentile per-packet one-way delay: 66.294 ms

Loss rate: 0.58%

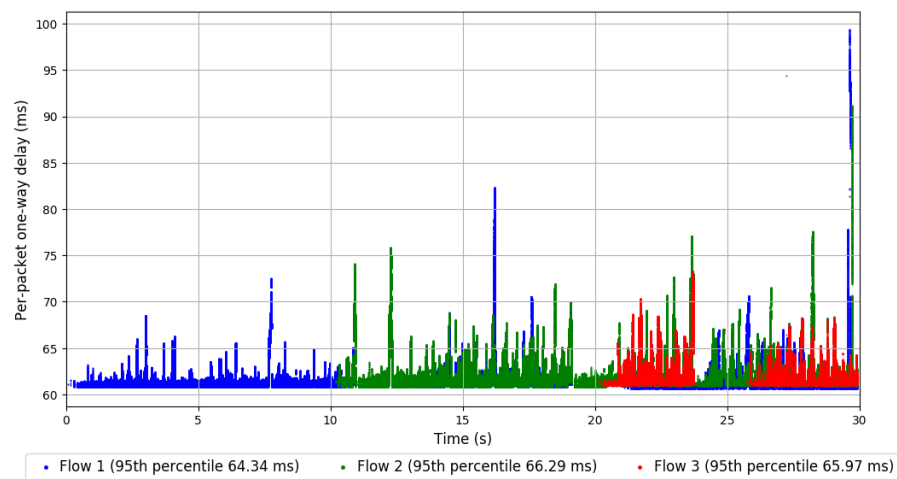
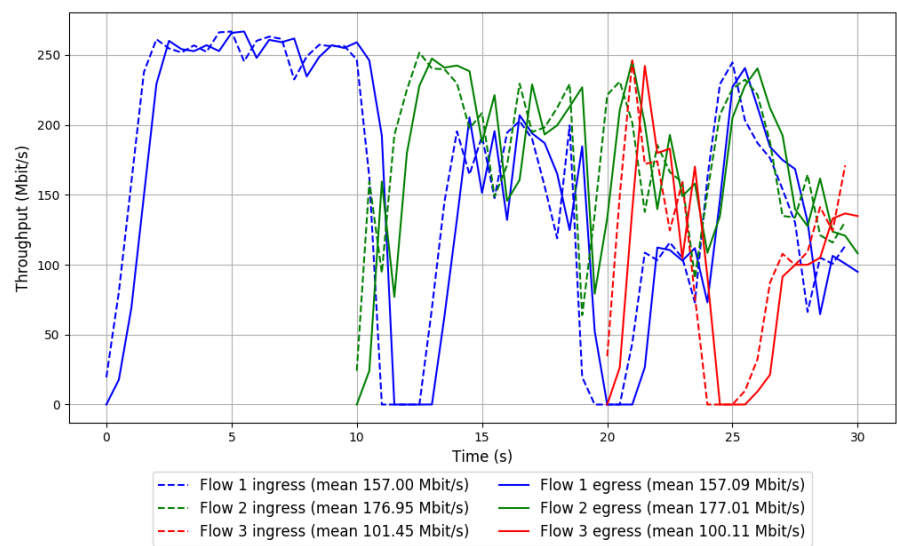
-- Flow 3:

Average throughput: 100.11 Mbit/s

95th percentile per-packet one-way delay: 65.966 ms

Loss rate: 2.53%

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

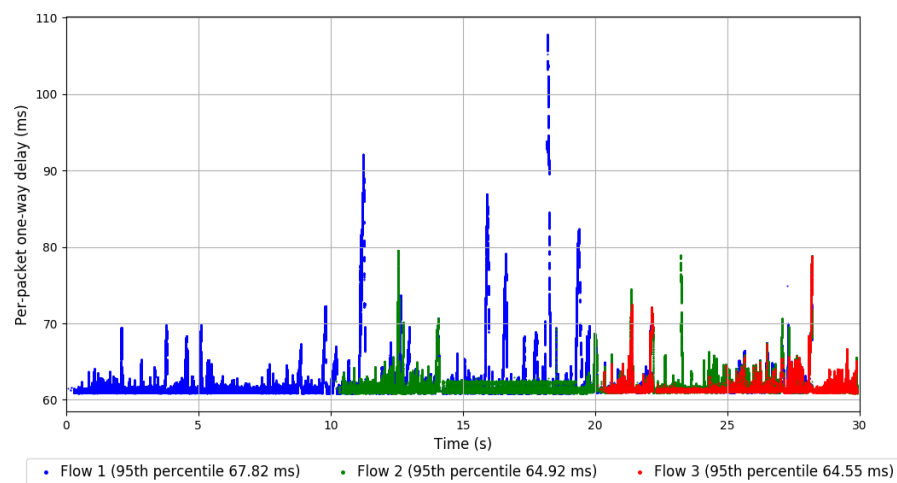
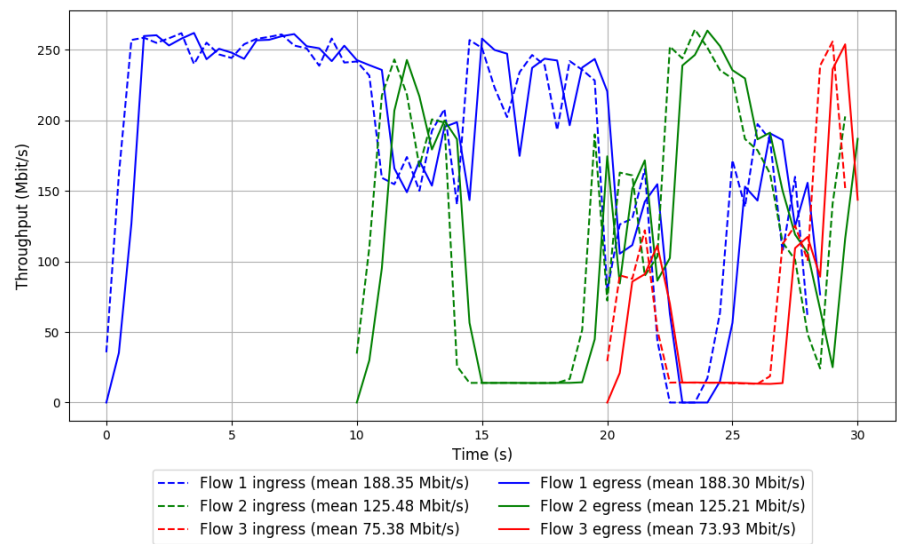


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-05 06:31:16
End at: 2018-07-05 06:31:46
Local clock offset: -0.083 ms
Remote clock offset: -0.214 ms

Below is generated by plot.py at 2018-07-05 12:12:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 285.07 Mbit/s
95th percentile per-packet one-way delay: 66.801 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 188.30 Mbit/s
95th percentile per-packet one-way delay: 67.821 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 125.21 Mbit/s
95th percentile per-packet one-way delay: 64.917 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 73.93 Mbit/s
95th percentile per-packet one-way delay: 64.551 ms
Loss rate: 2.81%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-05 06:56:36

End at: 2018-07-05 06:57:06

Local clock offset: -0.03 ms

Remote clock offset: 0.195 ms

Below is generated by plot.py at 2018-07-05 12:12:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 205.64 Mbit/s

95th percentile per-packet one-way delay: 64.959 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 44.81 Mbit/s

95th percentile per-packet one-way delay: 65.325 ms

Loss rate: 1.71%

-- Flow 2:

Average throughput: 200.50 Mbit/s

95th percentile per-packet one-way delay: 64.443 ms

Loss rate: 0.09%

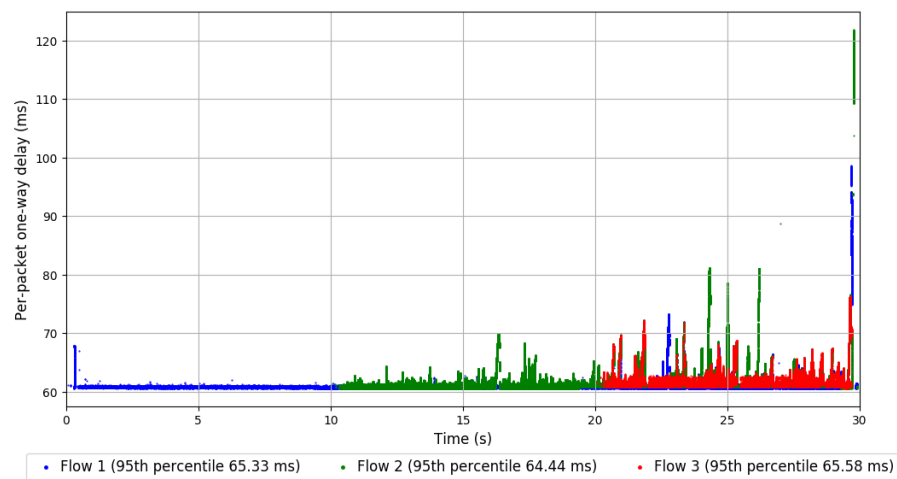
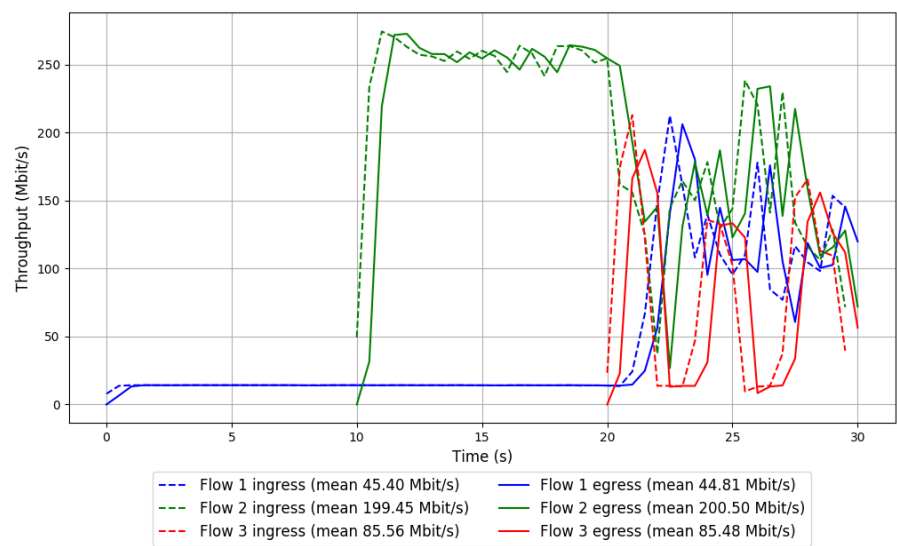
-- Flow 3:

Average throughput: 85.48 Mbit/s

95th percentile per-packet one-way delay: 65.585 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-05 07:21:49

End at: 2018-07-05 07:22:19

Local clock offset: -0.046 ms

Remote clock offset: 0.179 ms

Below is generated by plot.py at 2018-07-05 12:14:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 332.42 Mbit/s

95th percentile per-packet one-way delay: 65.214 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 201.11 Mbit/s

95th percentile per-packet one-way delay: 64.538 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 119.16 Mbit/s

95th percentile per-packet one-way delay: 64.502 ms

Loss rate: 0.93%

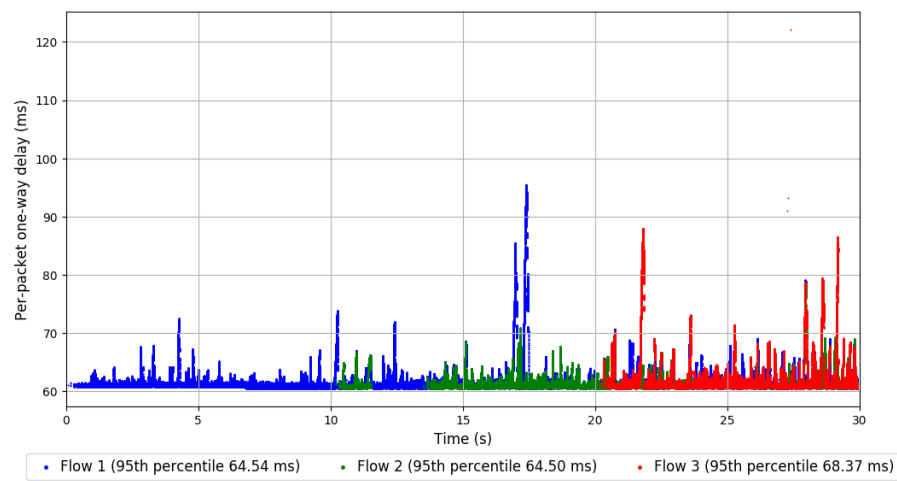
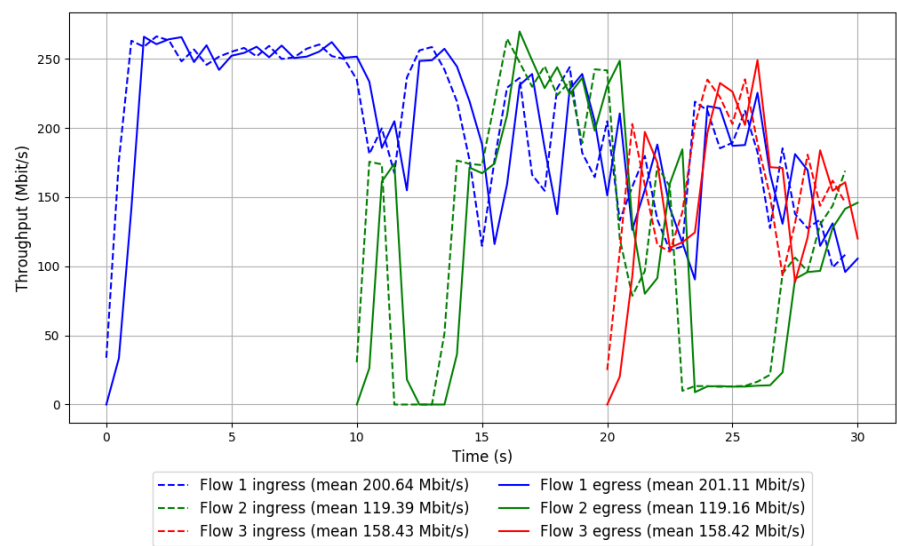
-- Flow 3:

Average throughput: 158.42 Mbit/s

95th percentile per-packet one-way delay: 68.368 ms

Loss rate: 1.24%

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



Run 7: Statistics of TaoVA-100x

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

End at: 2018-07-05 07:47:16

Local clock offset: -0.017 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-07-05 12:18:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 337.96 Mbit/s

95th percentile per-packet one-way delay: 66.249 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 204.10 Mbit/s

95th percentile per-packet one-way delay: 66.802 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 195.09 Mbit/s

95th percentile per-packet one-way delay: 65.867 ms

Loss rate: 0.78%

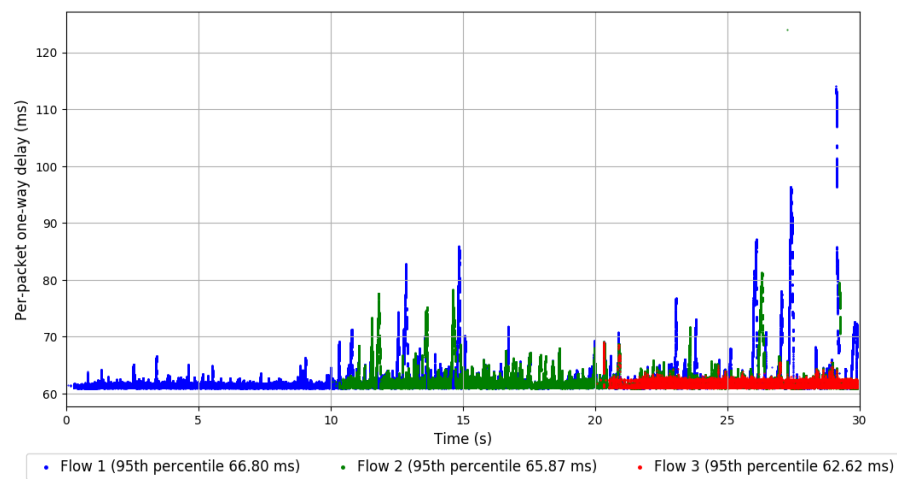
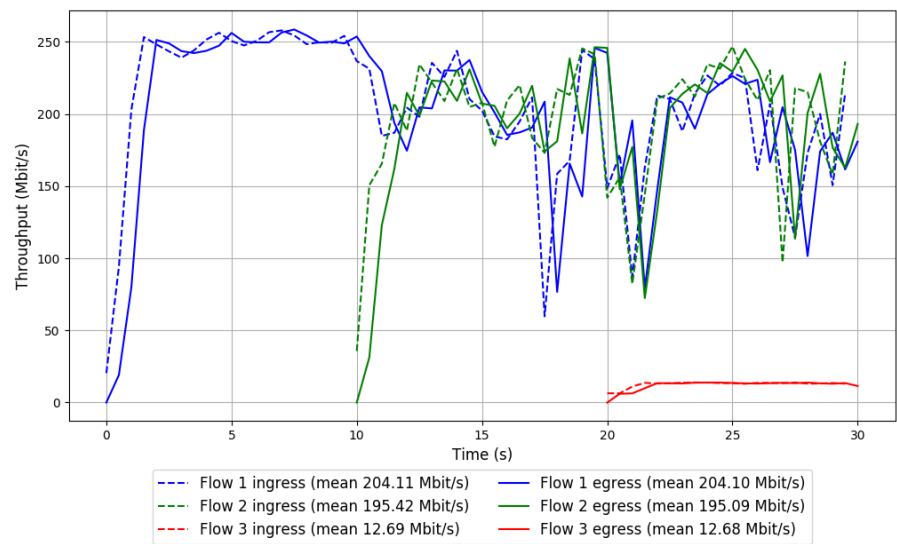
-- Flow 3:

Average throughput: 12.68 Mbit/s

95th percentile per-packet one-way delay: 62.617 ms

Loss rate: 1.30%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-05 08:11:56

End at: 2018-07-05 08:12:26

Local clock offset: -0.063 ms

Remote clock offset: 0.084 ms

Below is generated by plot.py at 2018-07-05 12:19:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 312.09 Mbit/s

95th percentile per-packet one-way delay: 65.290 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 210.12 Mbit/s

95th percentile per-packet one-way delay: 66.011 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 120.76 Mbit/s

95th percentile per-packet one-way delay: 64.430 ms

Loss rate: 0.42%

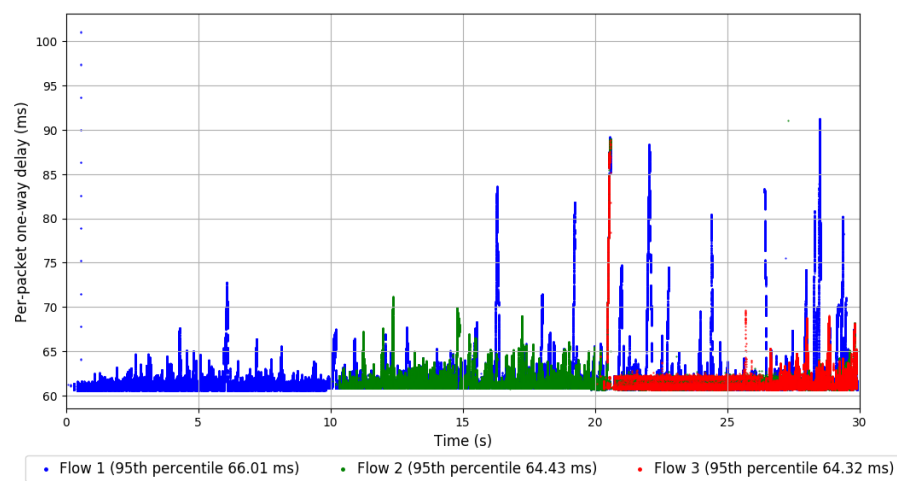
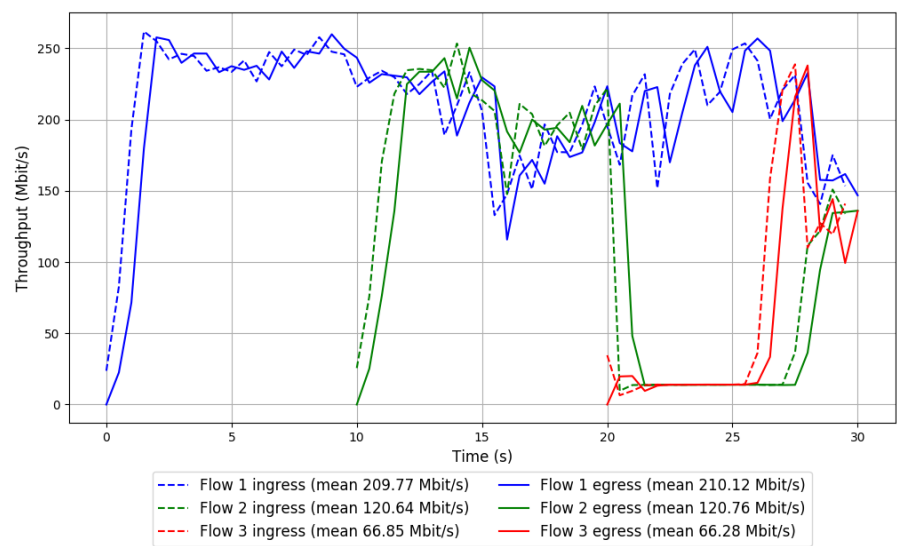
-- Flow 3:

Average throughput: 66.28 Mbit/s

95th percentile per-packet one-way delay: 64.323 ms

Loss rate: 2.07%

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

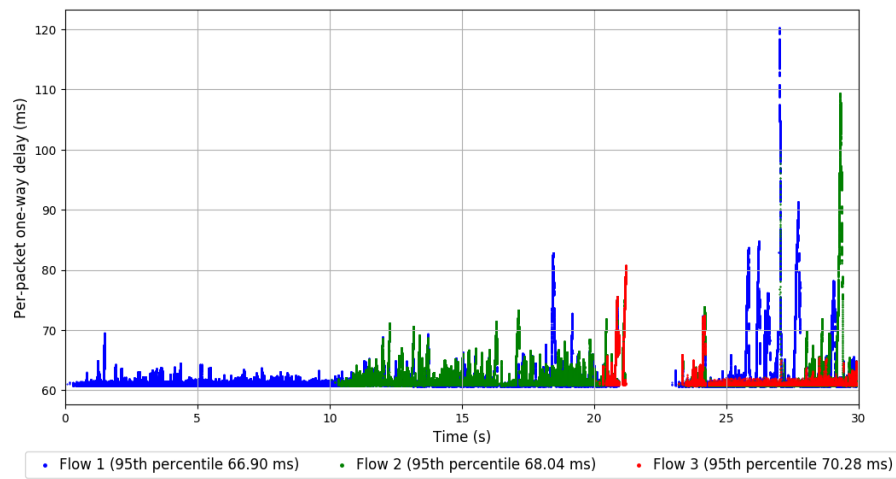
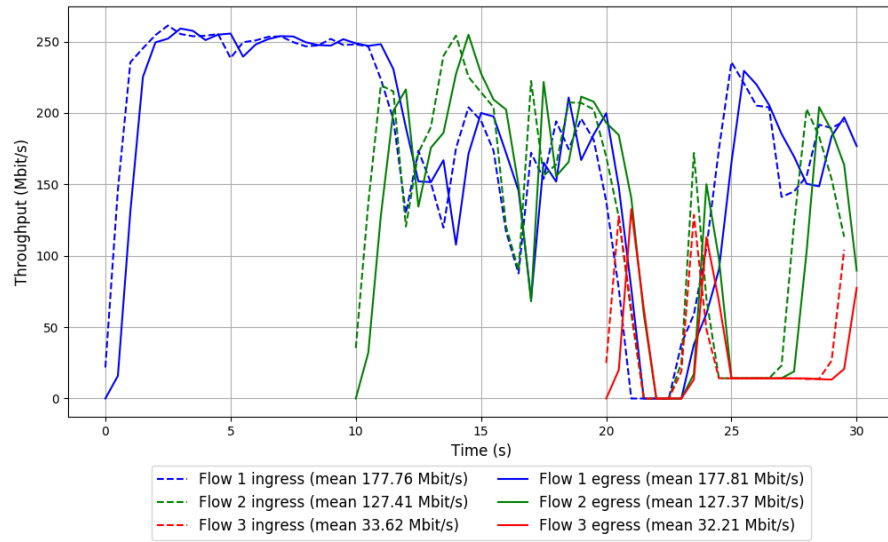


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-05 08:36:43
End at: 2018-07-05 08:37:13
Local clock offset: -0.055 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-05 12:20:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 273.08 Mbit/s
95th percentile per-packet one-way delay: 67.681 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 177.81 Mbit/s
95th percentile per-packet one-way delay: 66.901 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 127.37 Mbit/s
95th percentile per-packet one-way delay: 68.042 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 32.21 Mbit/s
95th percentile per-packet one-way delay: 70.278 ms
Loss rate: 5.21%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-05 09:01:54

End at: 2018-07-05 09:02:24

Local clock offset: 0.028 ms

Remote clock offset: 0.163 ms

Below is generated by plot.py at 2018-07-05 12:22:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 290.87 Mbit/s

95th percentile per-packet one-way delay: 63.232 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 166.22 Mbit/s

95th percentile per-packet one-way delay: 62.457 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 154.42 Mbit/s

95th percentile per-packet one-way delay: 63.726 ms

Loss rate: 0.69%

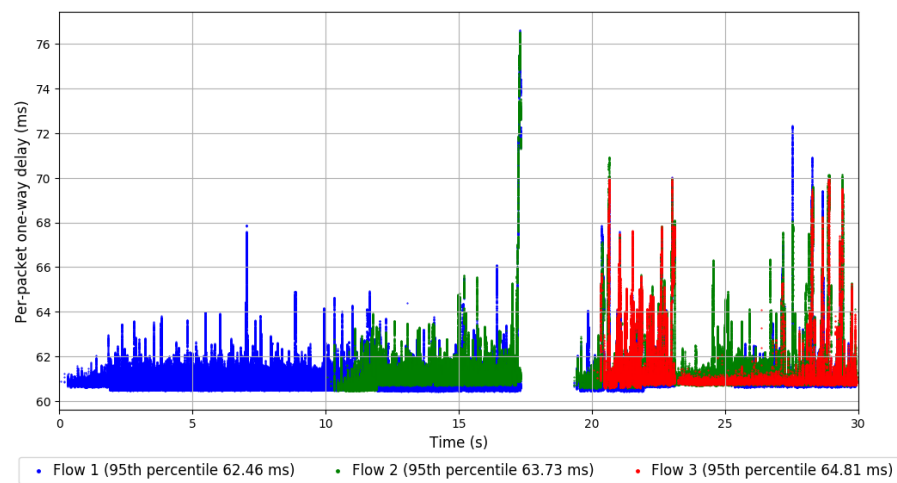
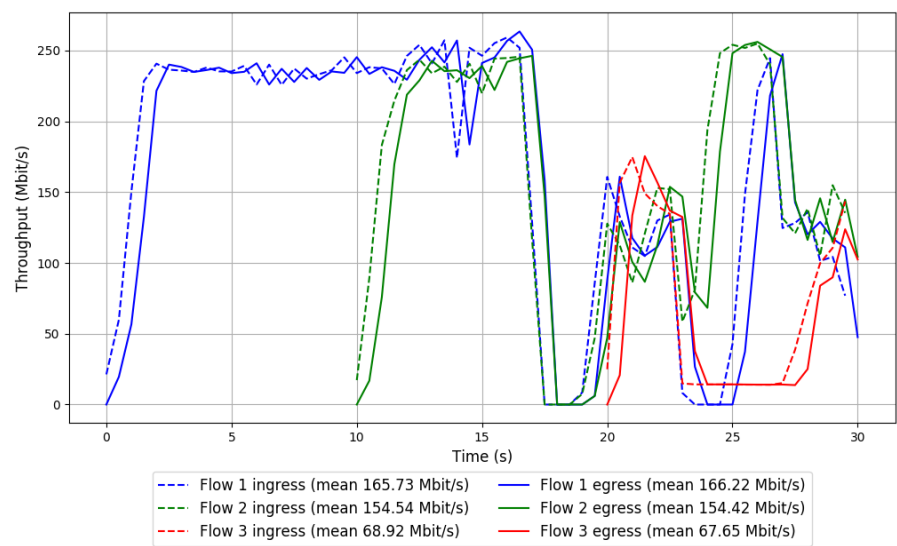
-- Flow 3:

Average throughput: 67.65 Mbit/s

95th percentile per-packet one-way delay: 64.810 ms

Loss rate: 3.06%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-05 05:26:52

End at: 2018-07-05 05:27:22

Local clock offset: 0.042 ms

Remote clock offset: 0.499 ms

Below is generated by plot.py at 2018-07-05 12:22:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 184.85 Mbit/s

95th percentile per-packet one-way delay: 70.386 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 76.67 Mbit/s

95th percentile per-packet one-way delay: 67.786 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 157.56 Mbit/s

95th percentile per-packet one-way delay: 71.137 ms

Loss rate: 0.45%

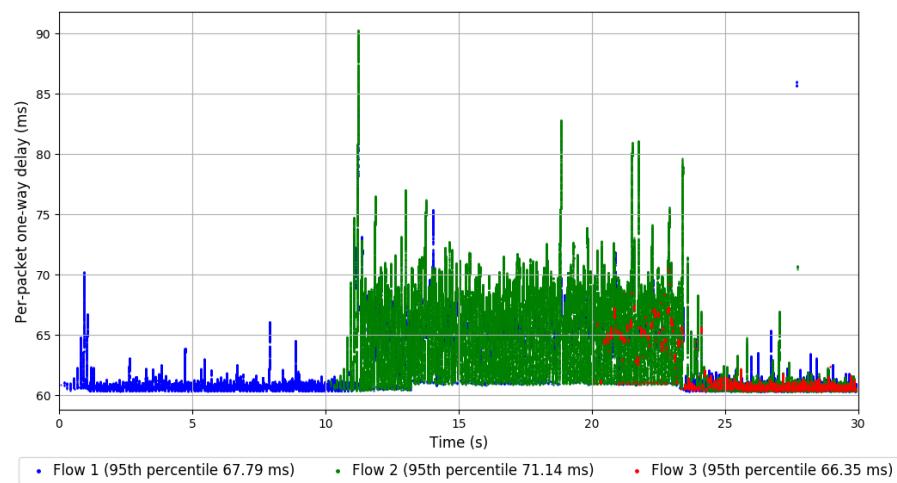
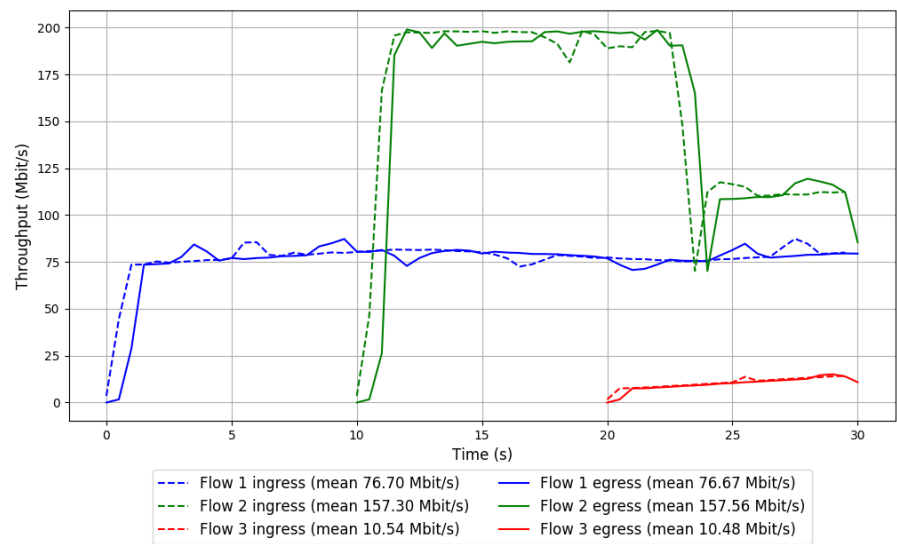
-- Flow 3:

Average throughput: 10.48 Mbit/s

95th percentile per-packet one-way delay: 66.348 ms

Loss rate: 1.72%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-05 05:51:32

End at: 2018-07-05 05:52:02

Local clock offset: -0.031 ms

Remote clock offset: 0.226 ms

Below is generated by plot.py at 2018-07-05 12:22:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 263.25 Mbit/s

95th percentile per-packet one-way delay: 72.409 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 173.98 Mbit/s

95th percentile per-packet one-way delay: 73.321 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 118.09 Mbit/s

95th percentile per-packet one-way delay: 68.678 ms

Loss rate: 0.63%

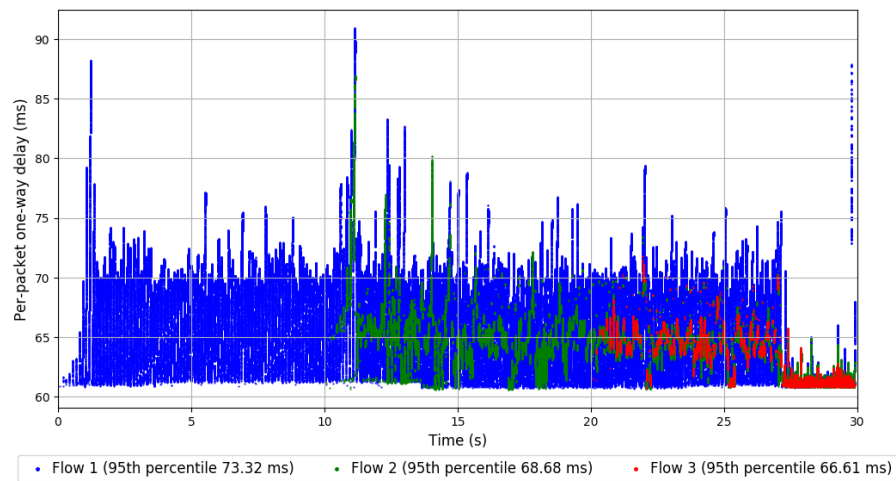
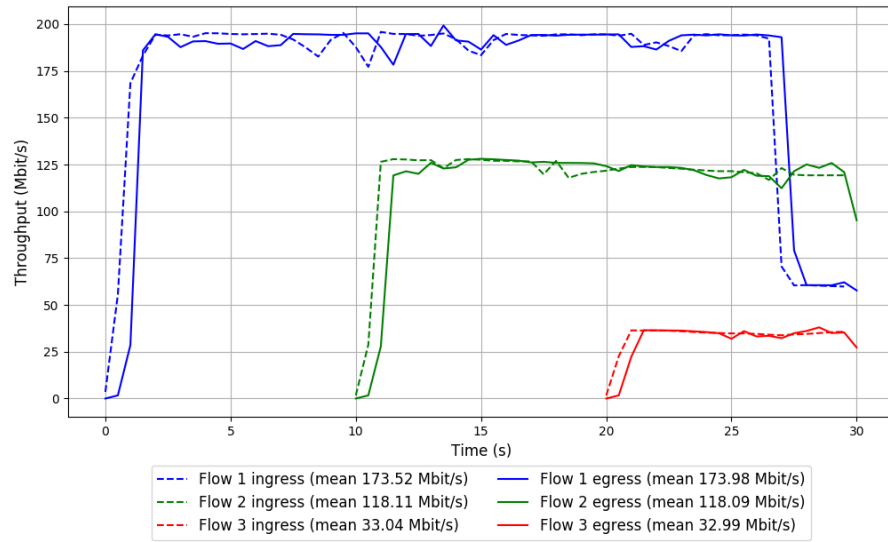
-- Flow 3:

Average throughput: 32.99 Mbit/s

95th percentile per-packet one-way delay: 66.613 ms

Loss rate: 1.36%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-05 06:16:58

End at: 2018-07-05 06:17:28

Local clock offset: -0.051 ms

Remote clock offset: -0.26 ms

Below is generated by plot.py at 2018-07-05 12:22:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 310.06 Mbit/s

95th percentile per-packet one-way delay: 74.991 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 186.35 Mbit/s

95th percentile per-packet one-way delay: 75.194 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 184.36 Mbit/s

95th percentile per-packet one-way delay: 74.717 ms

Loss rate: 0.65%

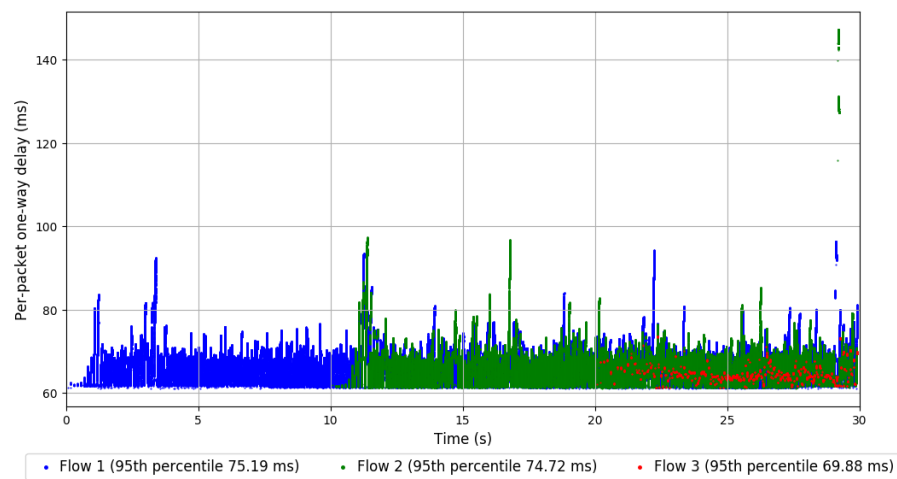
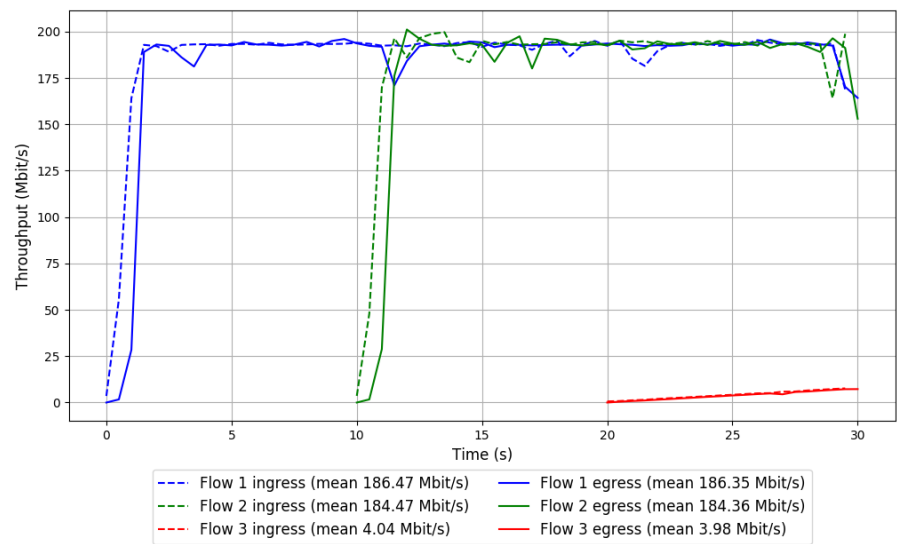
-- Flow 3:

Average throughput: 3.98 Mbit/s

95th percentile per-packet one-way delay: 69.875 ms

Loss rate: 2.57%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-05 06:42:14

End at: 2018-07-05 06:42:44

Local clock offset: -0.035 ms

Remote clock offset: 0.403 ms

Below is generated by plot.py at 2018-07-05 12:22:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 321.02 Mbit/s

95th percentile per-packet one-way delay: 71.113 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 187.32 Mbit/s

95th percentile per-packet one-way delay: 71.839 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 185.33 Mbit/s

95th percentile per-packet one-way delay: 70.458 ms

Loss rate: 0.65%

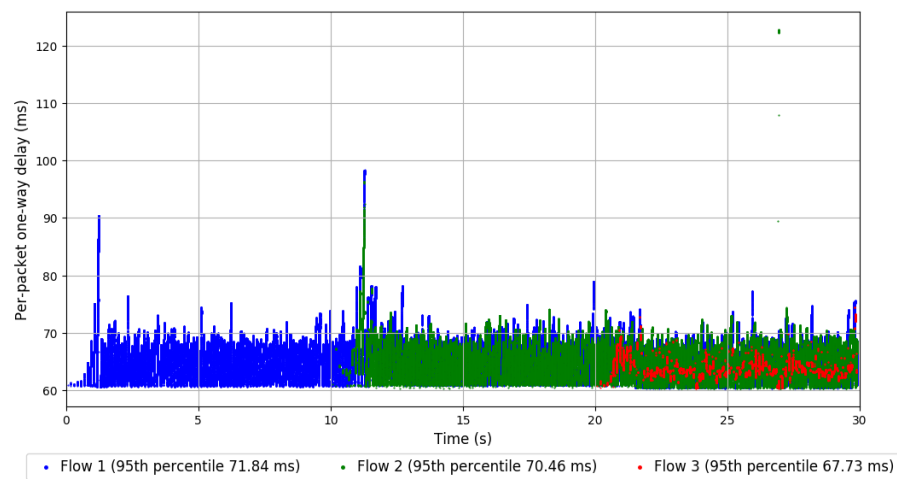
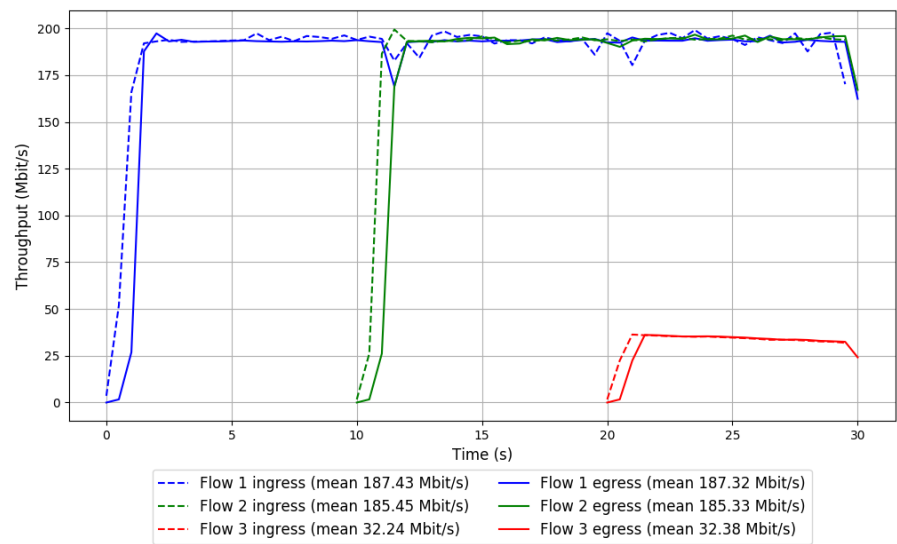
-- Flow 3:

Average throughput: 32.38 Mbit/s

95th percentile per-packet one-way delay: 67.729 ms

Loss rate: 1.25%

Run 4: Report of TCP Vegas — Data Link

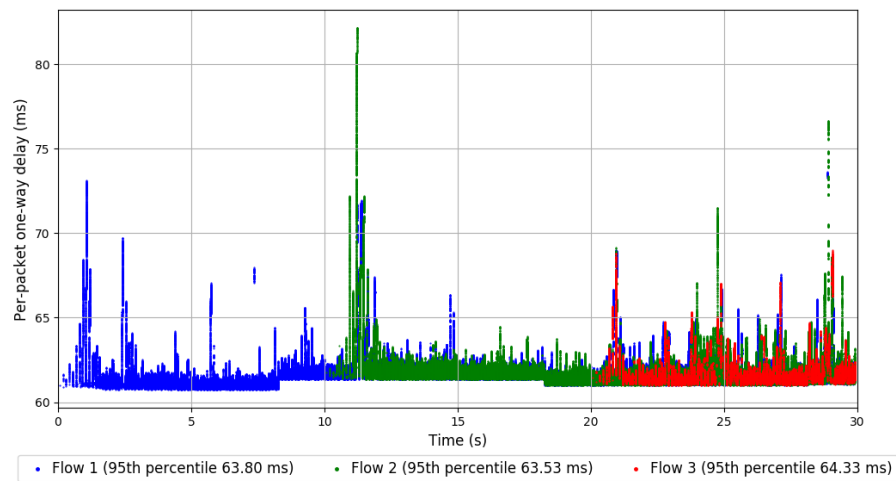
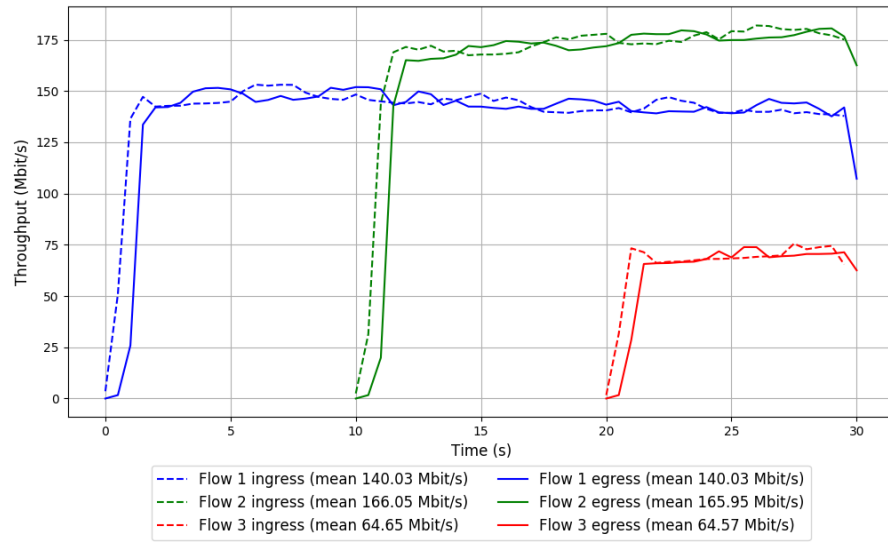


Run 5: Statistics of TCP Vegas

Start at: 2018-07-05 07:07:27
End at: 2018-07-05 07:07:57
Local clock offset: -0.001 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-05 12:22:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 271.63 Mbit/s
95th percentile per-packet one-way delay: 63.730 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 140.03 Mbit/s
95th percentile per-packet one-way delay: 63.795 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 165.95 Mbit/s
95th percentile per-packet one-way delay: 63.533 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 64.57 Mbit/s
95th percentile per-packet one-way delay: 64.329 ms
Loss rate: 1.35%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-05 07:32:45

End at: 2018-07-05 07:33:15

Local clock offset: -0.025 ms

Remote clock offset: 0.203 ms

Below is generated by plot.py at 2018-07-05 12:22:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 216.16 Mbit/s

95th percentile per-packet one-way delay: 71.590 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 187.42 Mbit/s

95th percentile per-packet one-way delay: 71.818 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 24.76 Mbit/s

95th percentile per-packet one-way delay: 66.959 ms

Loss rate: 0.82%

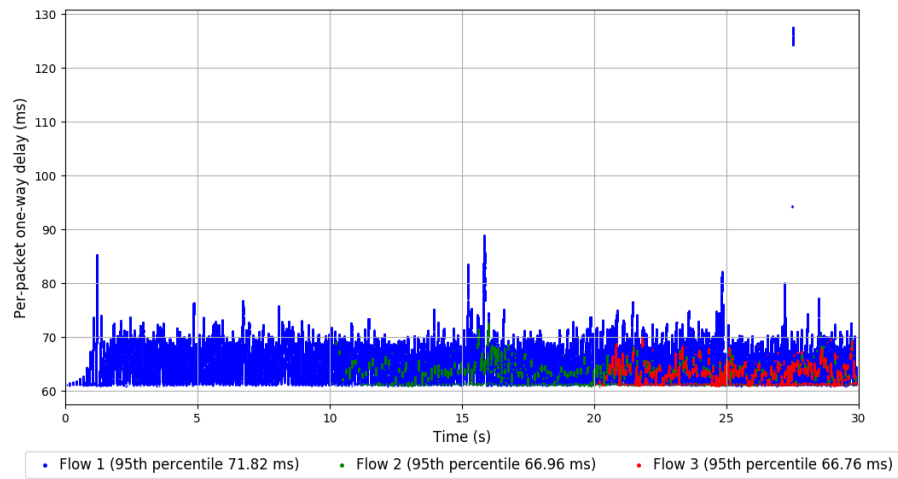
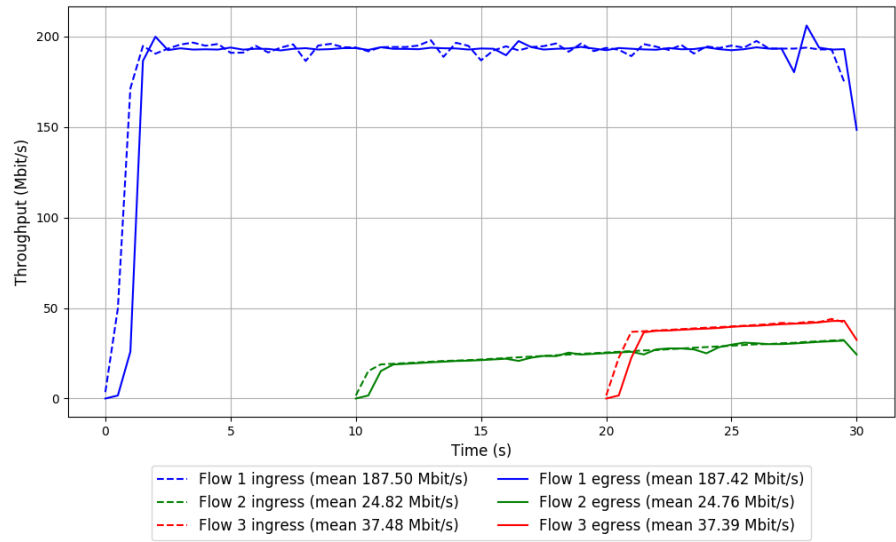
-- Flow 3:

Average throughput: 37.39 Mbit/s

95th percentile per-packet one-way delay: 66.758 ms

Loss rate: 1.46%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-05 07:57:50

End at: 2018-07-05 07:58:20

Local clock offset: -0.079 ms

Remote clock offset: 1.395 ms

Below is generated by plot.py at 2018-07-05 12:25:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 285.32 Mbit/s

95th percentile per-packet one-way delay: 70.731 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 187.24 Mbit/s

95th percentile per-packet one-way delay: 71.539 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 70.76 Mbit/s

95th percentile per-packet one-way delay: 66.107 ms

Loss rate: 0.64%

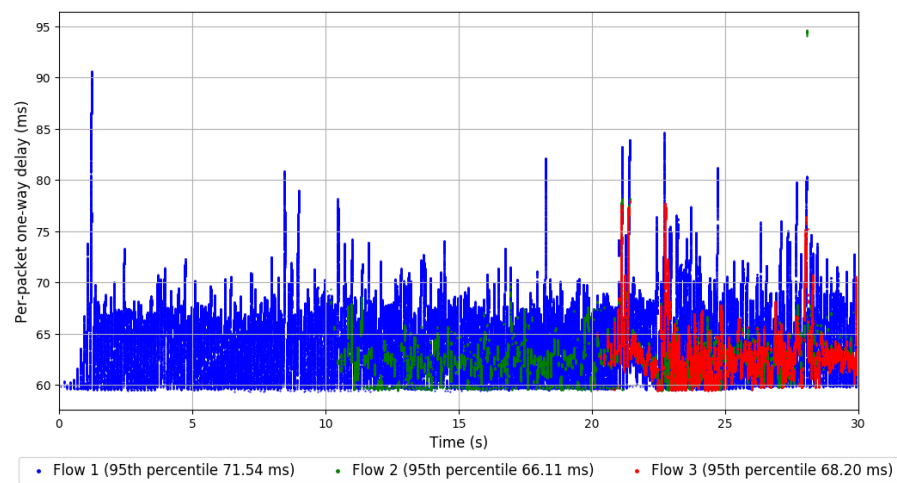
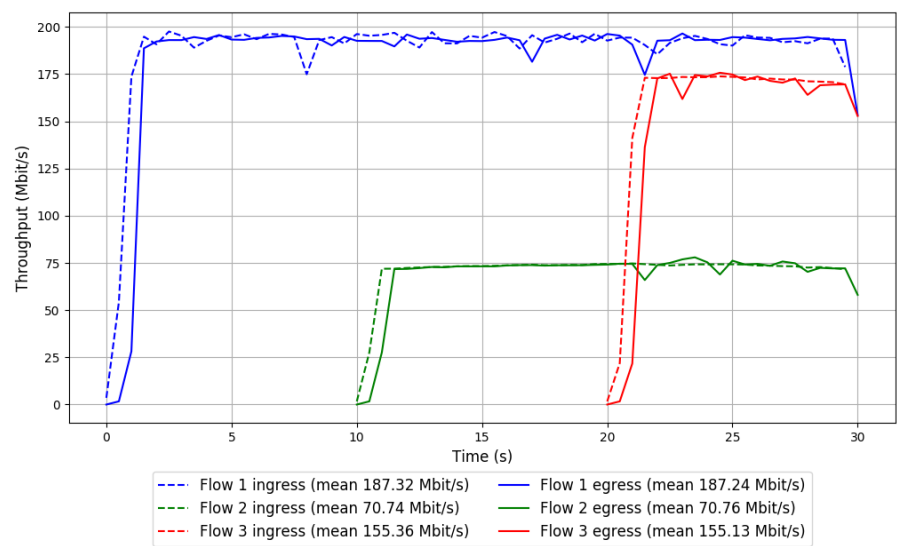
-- Flow 3:

Average throughput: 155.13 Mbit/s

95th percentile per-packet one-way delay: 68.201 ms

Loss rate: 1.38%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-05 08:22:54

End at: 2018-07-05 08:23:24

Local clock offset: -0.11 ms

Remote clock offset: 0.296 ms

Below is generated by plot.py at 2018-07-05 12:25:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 236.10 Mbit/s

95th percentile per-packet one-way delay: 74.273 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 174.98 Mbit/s

95th percentile per-packet one-way delay: 73.450 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 6.99 Mbit/s

95th percentile per-packet one-way delay: 68.306 ms

Loss rate: 1.21%

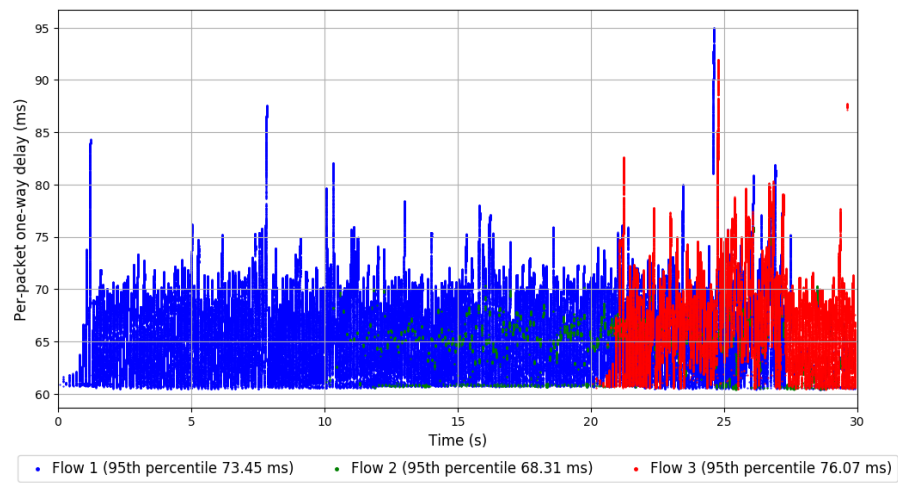
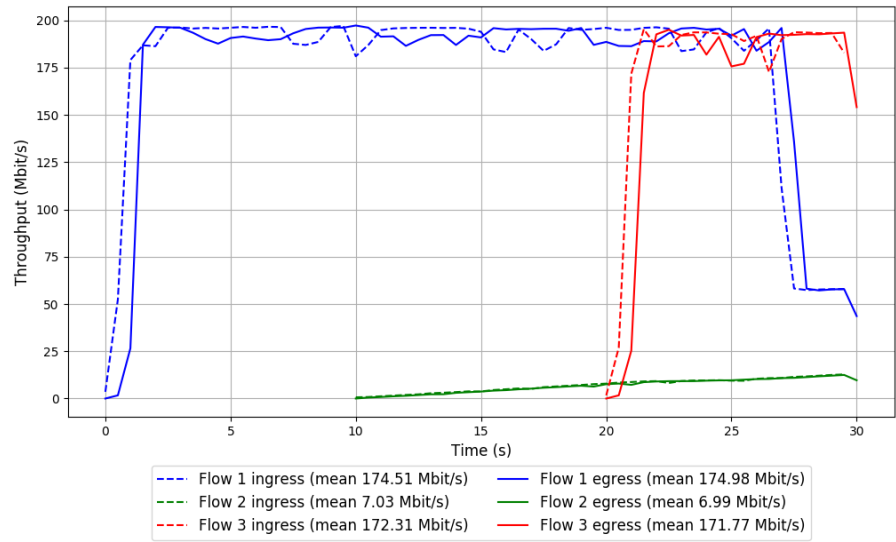
-- Flow 3:

Average throughput: 171.77 Mbit/s

95th percentile per-packet one-way delay: 76.071 ms

Loss rate: 1.53%

Run 8: Report of TCP Vegas — Data Link

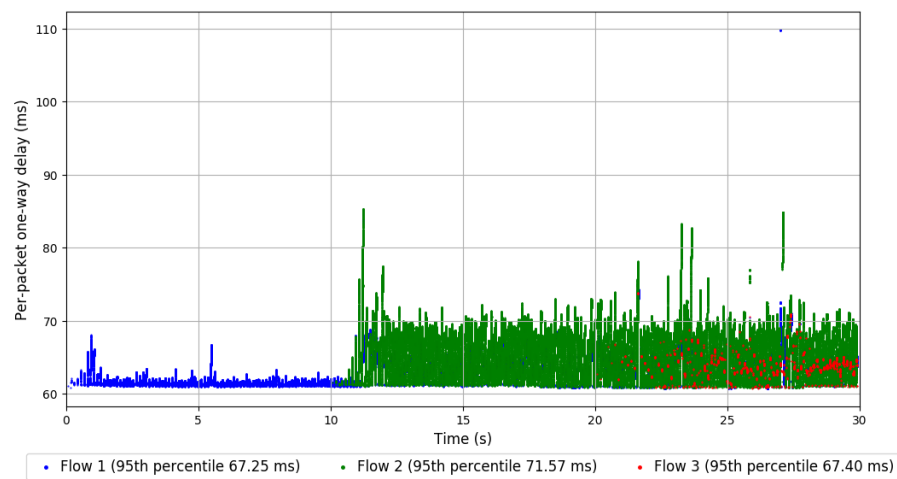
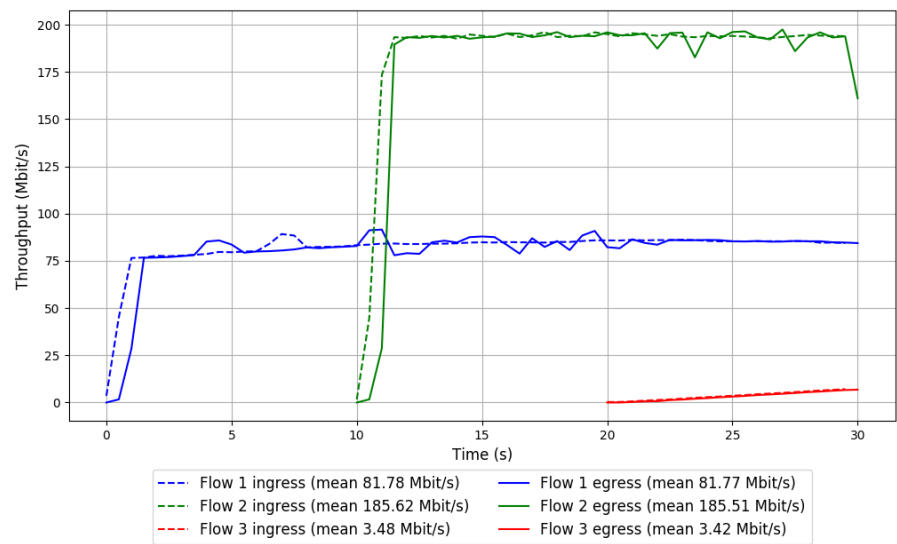


Run 9: Statistics of TCP Vegas

Start at: 2018-07-05 08:47:38
End at: 2018-07-05 08:48:08
Local clock offset: -0.021 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-07-05 12:25:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 206.06 Mbit/s
95th percentile per-packet one-way delay: 70.632 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 81.77 Mbit/s
95th percentile per-packet one-way delay: 67.246 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 185.51 Mbit/s
95th percentile per-packet one-way delay: 71.568 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 3.42 Mbit/s
95th percentile per-packet one-way delay: 67.399 ms
Loss rate: 2.98%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-05 09:12:52

End at: 2018-07-05 09:13:22

Local clock offset: 0.048 ms

Remote clock offset: 1.293 ms

Below is generated by plot.py at 2018-07-05 12:26:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 260.76 Mbit/s

95th percentile per-packet one-way delay: 71.471 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 187.18 Mbit/s

95th percentile per-packet one-way delay: 72.136 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 109.22 Mbit/s

95th percentile per-packet one-way delay: 67.664 ms

Loss rate: 0.63%

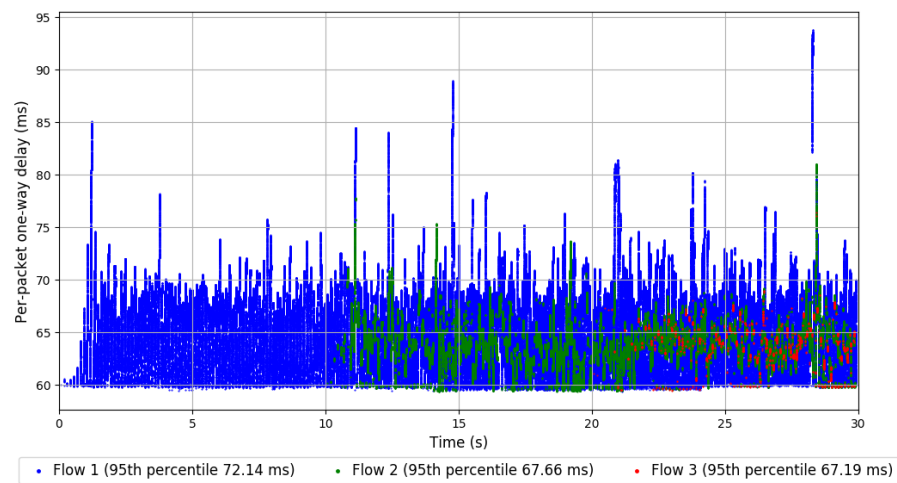
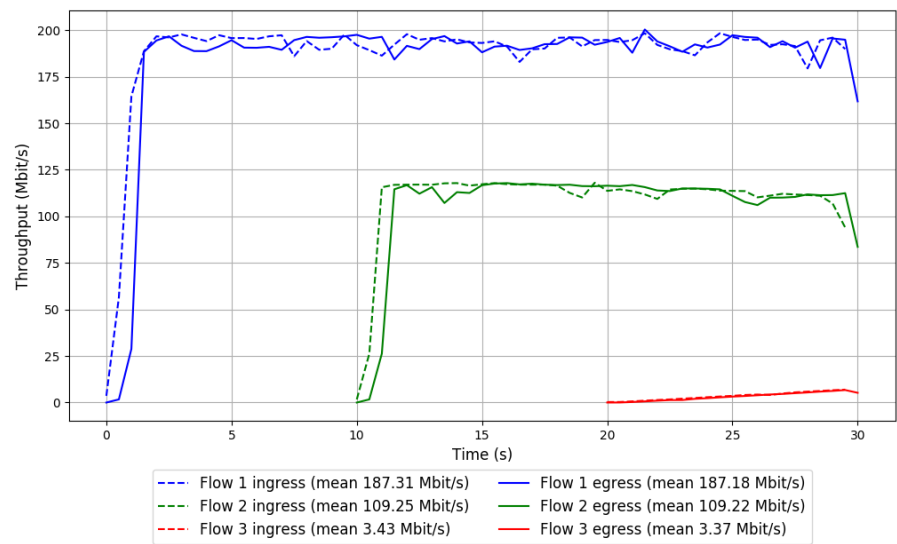
-- Flow 3:

Average throughput: 3.37 Mbit/s

95th percentile per-packet one-way delay: 67.195 ms

Loss rate: 3.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-05 05:10:53

End at: 2018-07-05 05:11:23

Local clock offset: 0.4 ms

Remote clock offset: 0.25 ms

Below is generated by plot.py at 2018-07-05 12:29:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 332.79 Mbit/s

95th percentile per-packet one-way delay: 188.899 ms

Loss rate: 1.30%

-- Flow 1:

Average throughput: 189.59 Mbit/s

95th percentile per-packet one-way delay: 220.138 ms

Loss rate: 1.18%

-- Flow 2:

Average throughput: 180.03 Mbit/s

95th percentile per-packet one-way delay: 162.683 ms

Loss rate: 1.73%

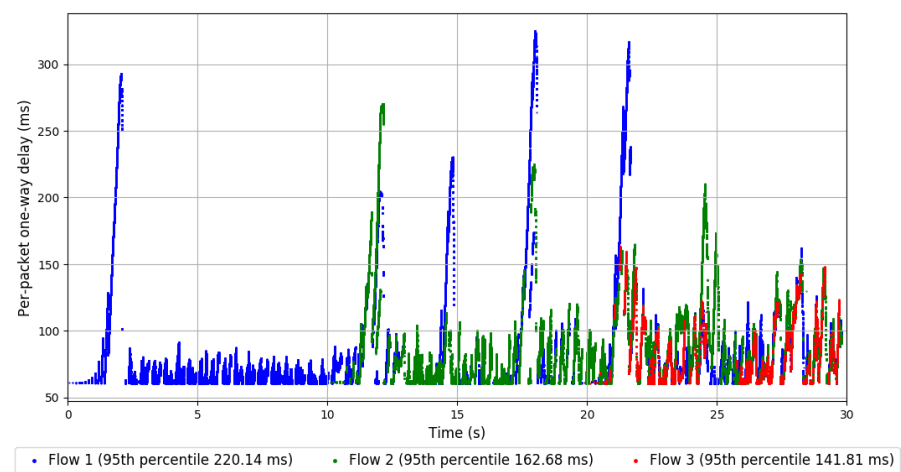
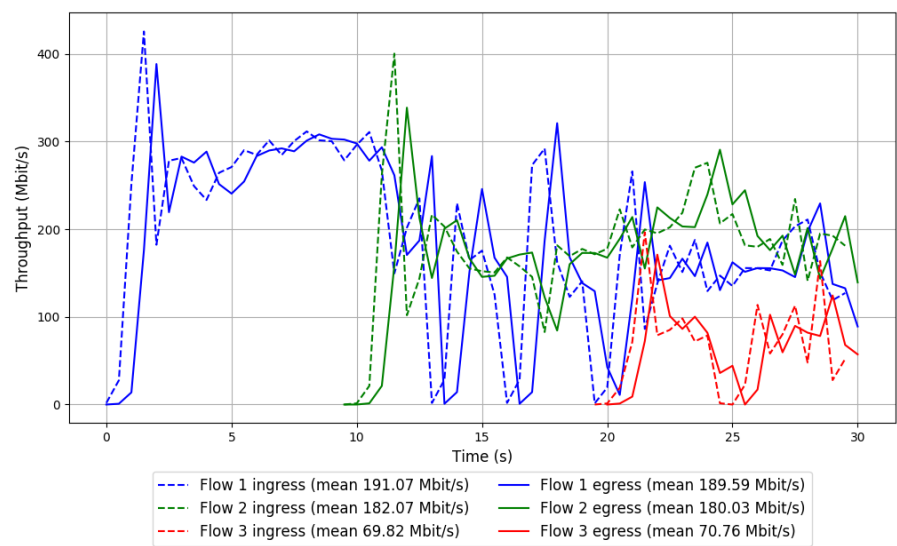
-- Flow 3:

Average throughput: 70.76 Mbit/s

95th percentile per-packet one-way delay: 141.812 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-07-05 05:35:59

End at: 2018-07-05 05:36:29

Local clock offset: -0.034 ms

Remote clock offset: 0.27 ms

Below is generated by plot.py at 2018-07-05 12:29:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 310.89 Mbit/s

95th percentile per-packet one-way delay: 239.436 ms

Loss rate: 3.39%

-- Flow 1:

Average throughput: 165.30 Mbit/s

95th percentile per-packet one-way delay: 224.917 ms

Loss rate: 1.06%

-- Flow 2:

Average throughput: 185.03 Mbit/s

95th percentile per-packet one-way delay: 240.493 ms

Loss rate: 5.07%

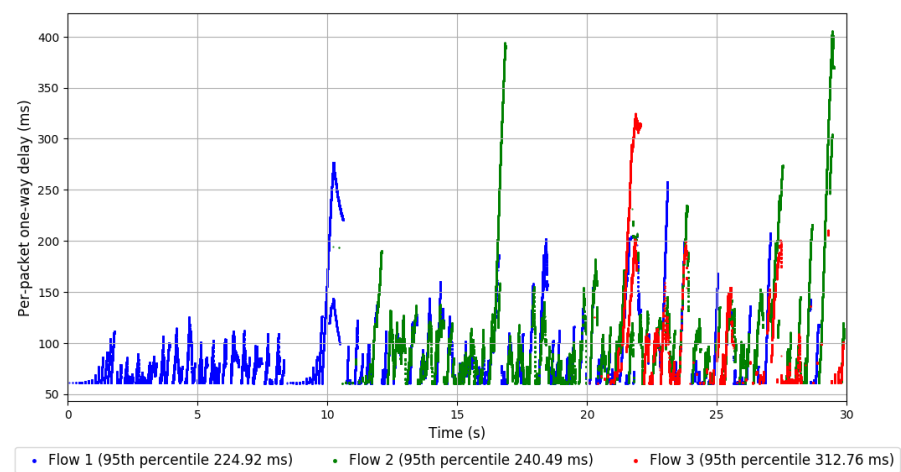
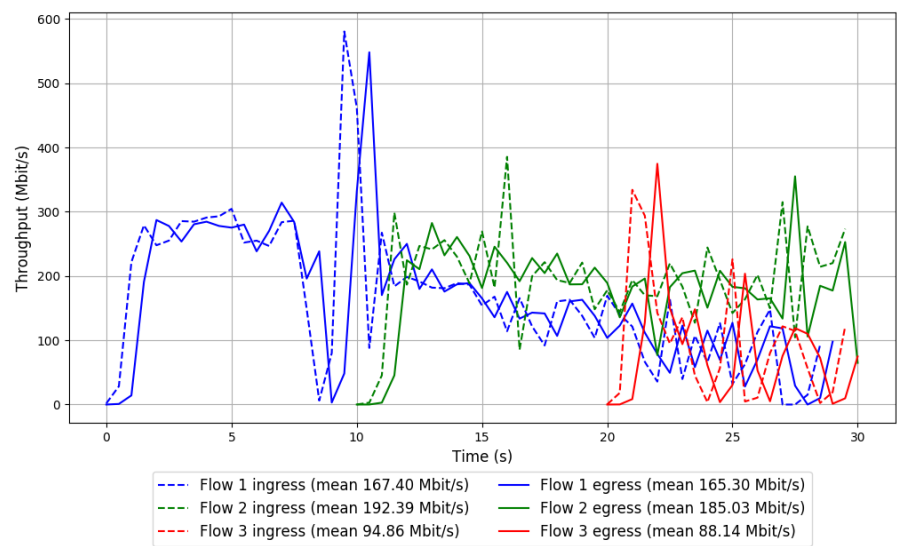
-- Flow 3:

Average throughput: 88.14 Mbit/s

95th percentile per-packet one-way delay: 312.757 ms

Loss rate: 8.49%

Run 2: Report of Verus — Data Link

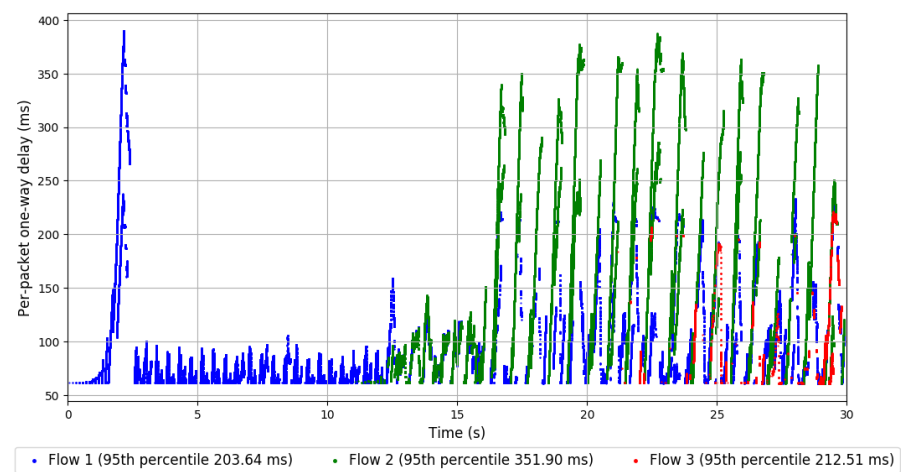
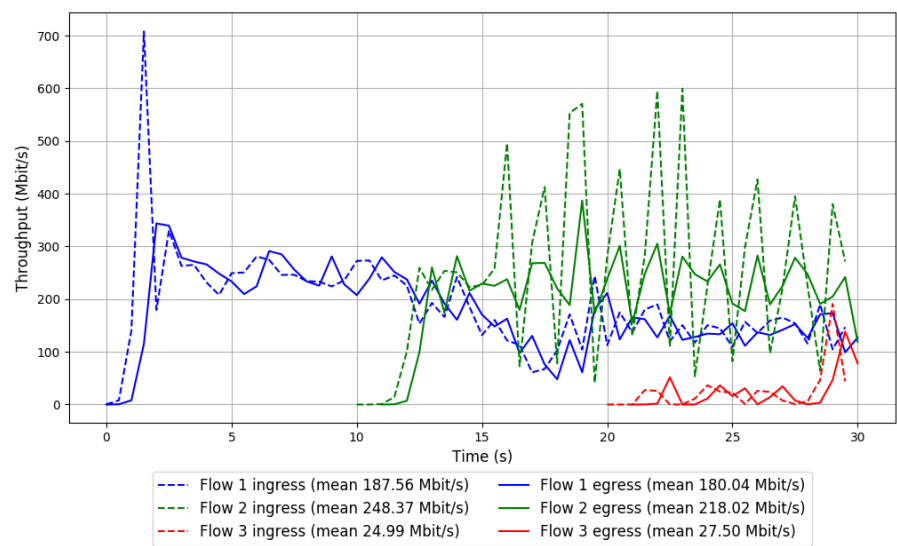


Run 3: Statistics of Verus

Start at: 2018-07-05 06:00:49
End at: 2018-07-05 06:01:19
Local clock offset: -0.026 ms
Remote clock offset: -0.322 ms

Below is generated by plot.py at 2018-07-05 12:29:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 325.57 Mbit/s
95th percentile per-packet one-way delay: 320.729 ms
Loss rate: 10.06%
-- Flow 1:
Average throughput: 180.04 Mbit/s
95th percentile per-packet one-way delay: 203.643 ms
Loss rate: 4.01%
-- Flow 2:
Average throughput: 218.02 Mbit/s
95th percentile per-packet one-way delay: 351.898 ms
Loss rate: 17.16%
-- Flow 3:
Average throughput: 27.50 Mbit/s
95th percentile per-packet one-way delay: 212.512 ms
Loss rate: 4.89%

Run 3: Report of Verus — Data Link

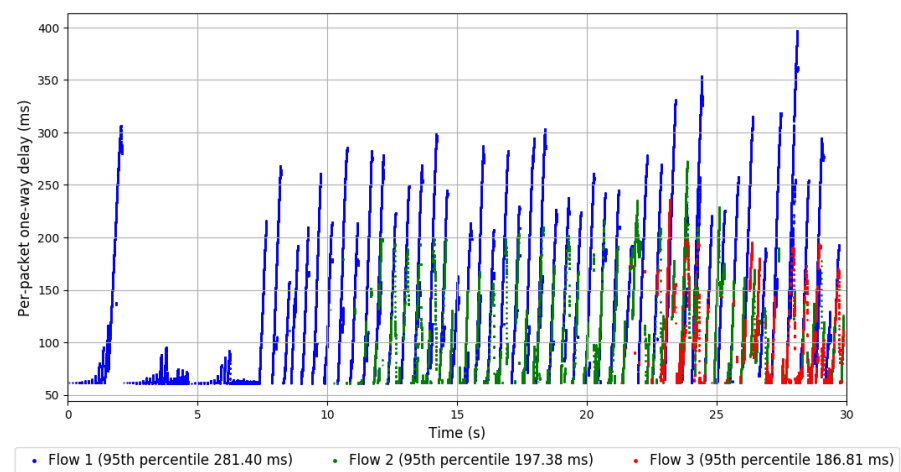
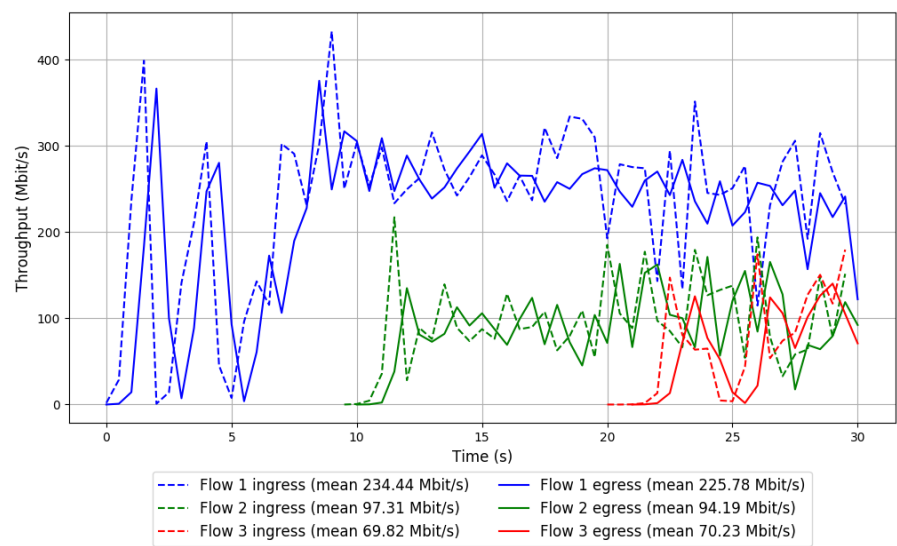


Run 4: Statistics of Verus

Start at: 2018-07-05 06:26:13
End at: 2018-07-05 06:26:43
Local clock offset: -0.049 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-05 12:30:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 307.30 Mbit/s
95th percentile per-packet one-way delay: 274.132 ms
Loss rate: 5.07%
-- Flow 1:
Average throughput: 225.78 Mbit/s
95th percentile per-packet one-way delay: 281.403 ms
Loss rate: 4.66%
-- Flow 2:
Average throughput: 94.19 Mbit/s
95th percentile per-packet one-way delay: 197.375 ms
Loss rate: 4.15%
-- Flow 3:
Average throughput: 70.23 Mbit/s
95th percentile per-packet one-way delay: 186.807 ms
Loss rate: 11.85%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-05 06:51:30

End at: 2018-07-05 06:52:00

Local clock offset: -0.05 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-05 12:31:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 299.97 Mbit/s

95th percentile per-packet one-way delay: 269.012 ms

Loss rate: 4.96%

-- Flow 1:

Average throughput: 237.71 Mbit/s

95th percentile per-packet one-way delay: 271.491 ms

Loss rate: 5.08%

-- Flow 2:

Average throughput: 51.86 Mbit/s

95th percentile per-packet one-way delay: 206.568 ms

Loss rate: 1.22%

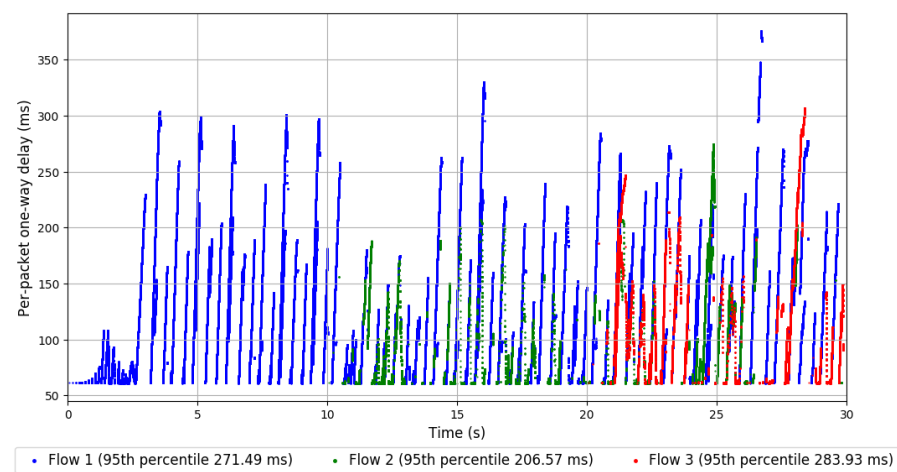
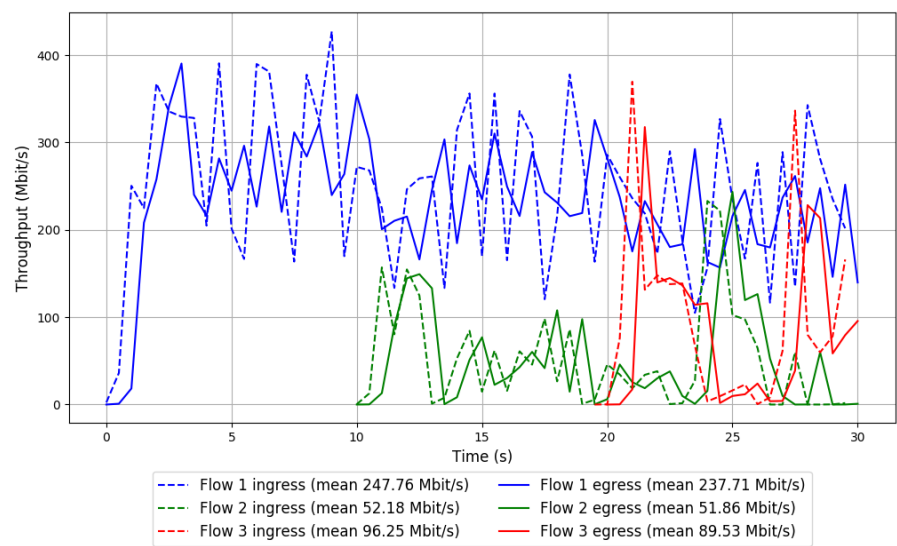
-- Flow 3:

Average throughput: 89.53 Mbit/s

95th percentile per-packet one-way delay: 283.932 ms

Loss rate: 8.15%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-05 07:16:38

End at: 2018-07-05 07:17:08

Local clock offset: -0.064 ms

Remote clock offset: 1.283 ms

Below is generated by plot.py at 2018-07-05 12:31:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 313.03 Mbit/s

95th percentile per-packet one-way delay: 187.886 ms

Loss rate: 2.87%

-- Flow 1:

Average throughput: 164.53 Mbit/s

95th percentile per-packet one-way delay: 188.025 ms

Loss rate: 3.11%

-- Flow 2:

Average throughput: 163.90 Mbit/s

95th percentile per-packet one-way delay: 190.980 ms

Loss rate: 2.47%

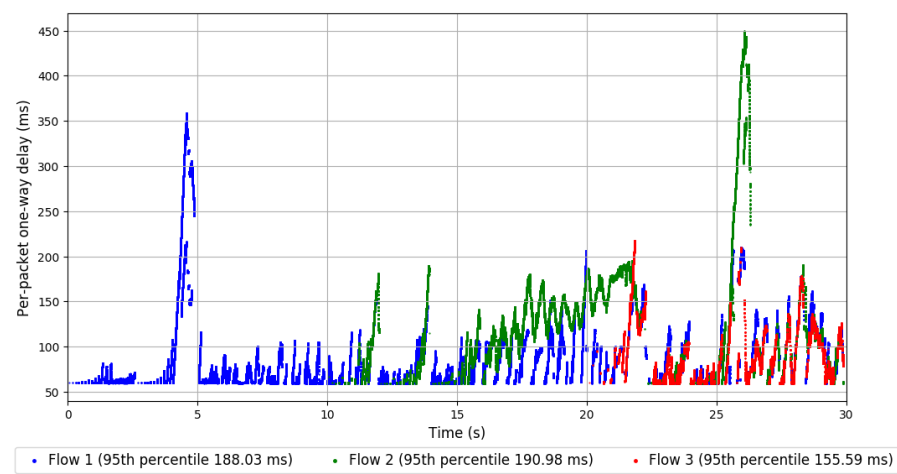
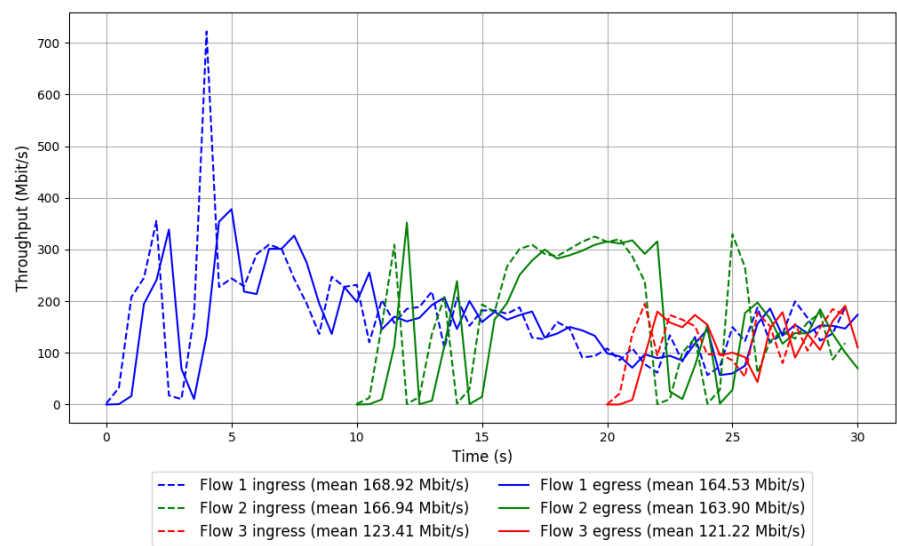
-- Flow 3:

Average throughput: 121.22 Mbit/s

95th percentile per-packet one-way delay: 155.593 ms

Loss rate: 3.00%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-07-05 07:42:02

End at: 2018-07-05 07:42:32

Local clock offset: -0.094 ms

Remote clock offset: 1.349 ms

Below is generated by plot.py at 2018-07-05 12:31:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 264.20 Mbit/s

95th percentile per-packet one-way delay: 131.832 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 163.47 Mbit/s

95th percentile per-packet one-way delay: 133.371 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 111.24 Mbit/s

95th percentile per-packet one-way delay: 130.106 ms

Loss rate: 0.87%

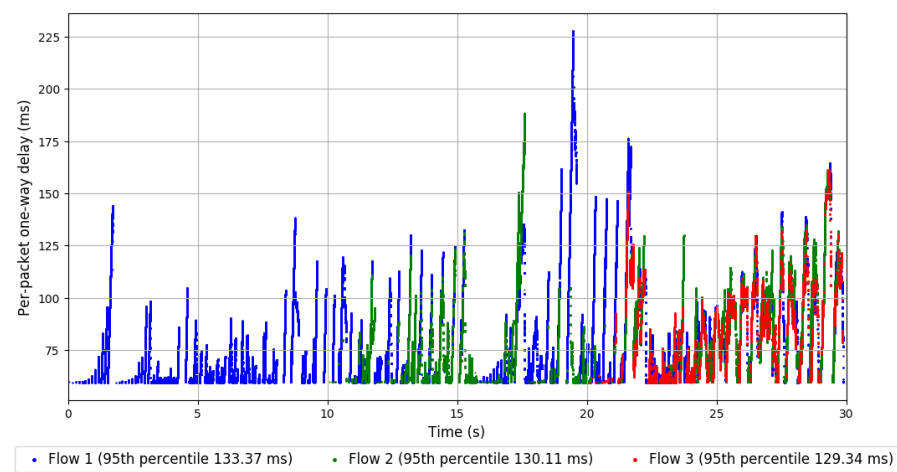
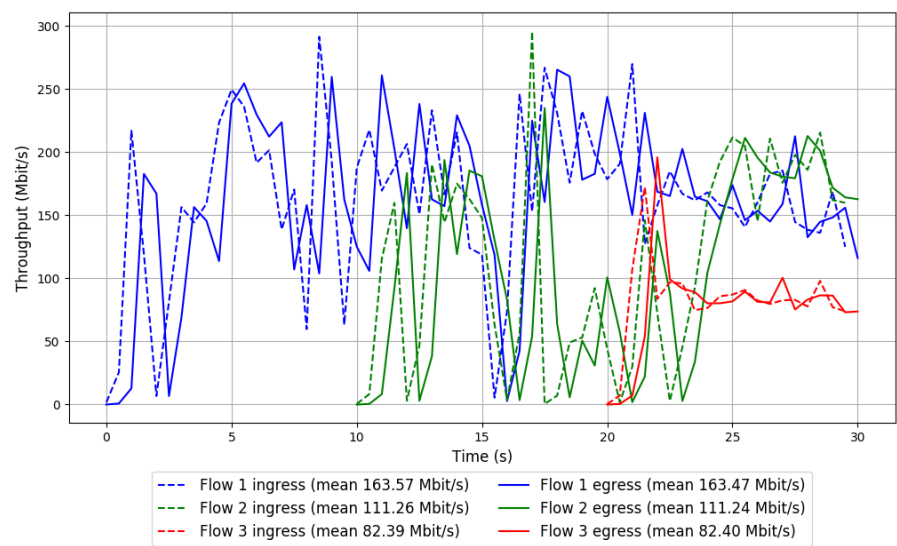
-- Flow 3:

Average throughput: 82.40 Mbit/s

95th percentile per-packet one-way delay: 129.342 ms

Loss rate: 1.40%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

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

End at: 2018-07-05 08:07:35

Local clock offset: -0.059 ms

Remote clock offset: 1.234 ms

Below is generated by plot.py at 2018-07-05 12:32:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 272.43 Mbit/s

95th percentile per-packet one-way delay: 140.188 ms

Loss rate: 1.24%

-- Flow 1:

Average throughput: 161.13 Mbit/s

95th percentile per-packet one-way delay: 128.531 ms

Loss rate: 1.25%

-- Flow 2:

Average throughput: 123.00 Mbit/s

95th percentile per-packet one-way delay: 140.877 ms

Loss rate: 1.21%

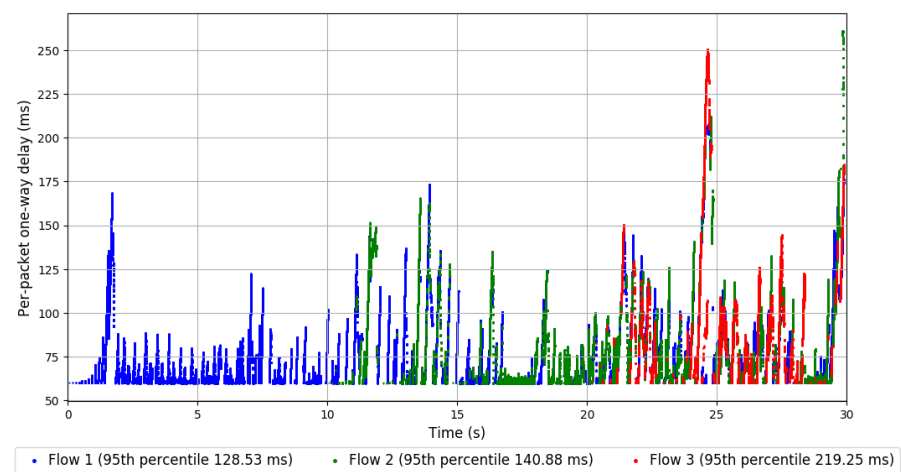
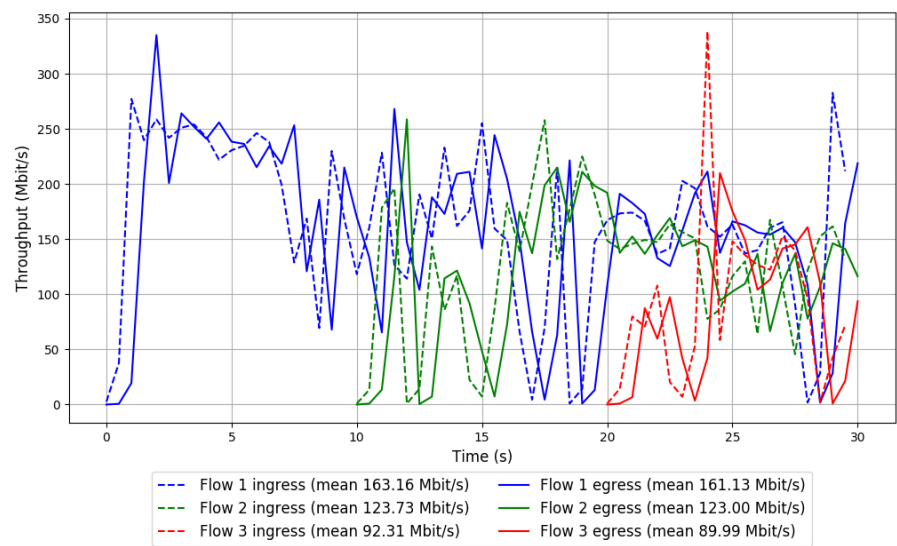
-- Flow 3:

Average throughput: 89.99 Mbit/s

95th percentile per-packet one-way delay: 219.248 ms

Loss rate: 1.26%

Run 8: Report of Verus — Data Link

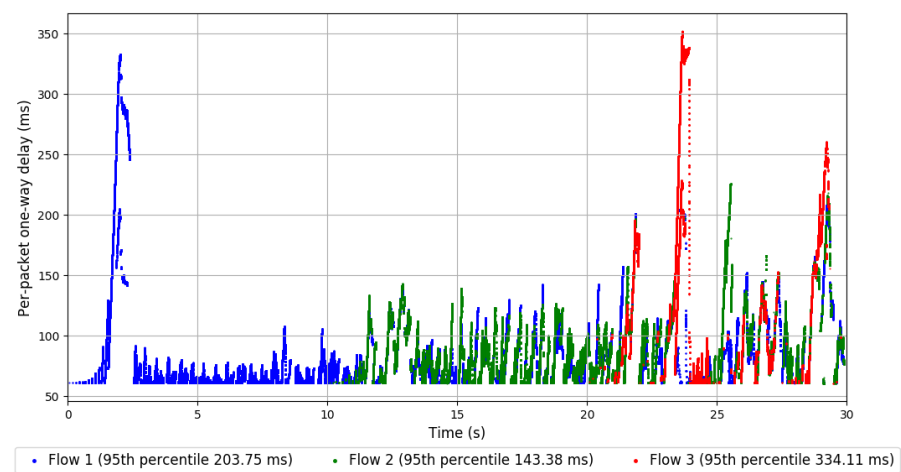
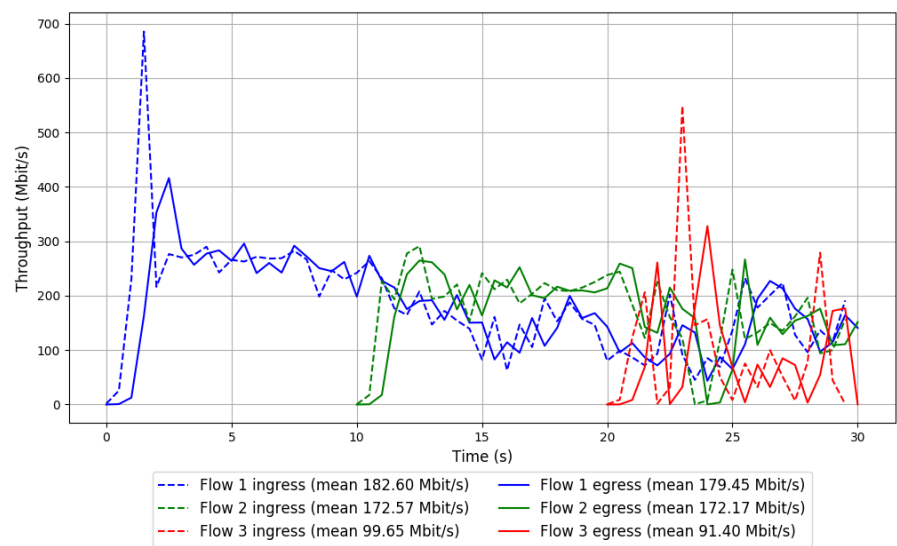


Run 9: Statistics of Verus

Start at: 2018-07-05 08:32:07
End at: 2018-07-05 08:32:37
Local clock offset: -0.059 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-07-05 12:35:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 323.41 Mbit/s
95th percentile per-packet one-way delay: 209.752 ms
Loss rate: 2.23%
-- Flow 1:
Average throughput: 179.45 Mbit/s
95th percentile per-packet one-way delay: 203.752 ms
Loss rate: 2.13%
-- Flow 2:
Average throughput: 172.17 Mbit/s
95th percentile per-packet one-way delay: 143.379 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 91.40 Mbit/s
95th percentile per-packet one-way delay: 334.109 ms
Loss rate: 9.44%

Run 9: Report of Verus — Data Link

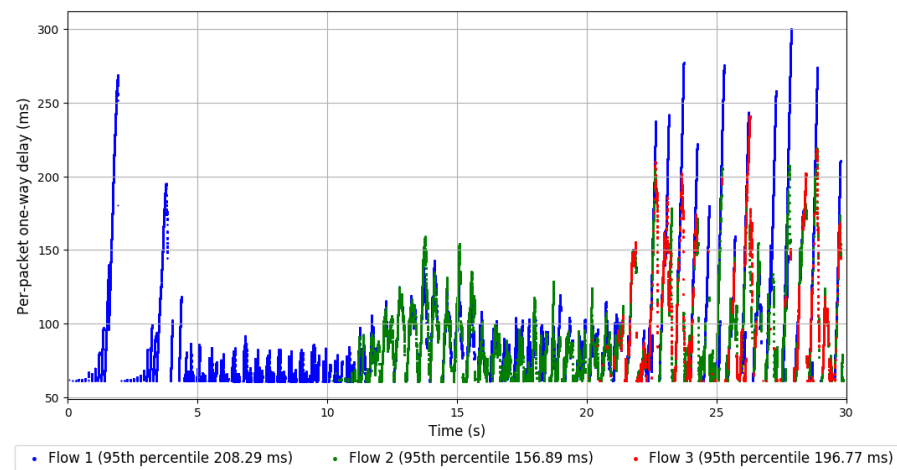
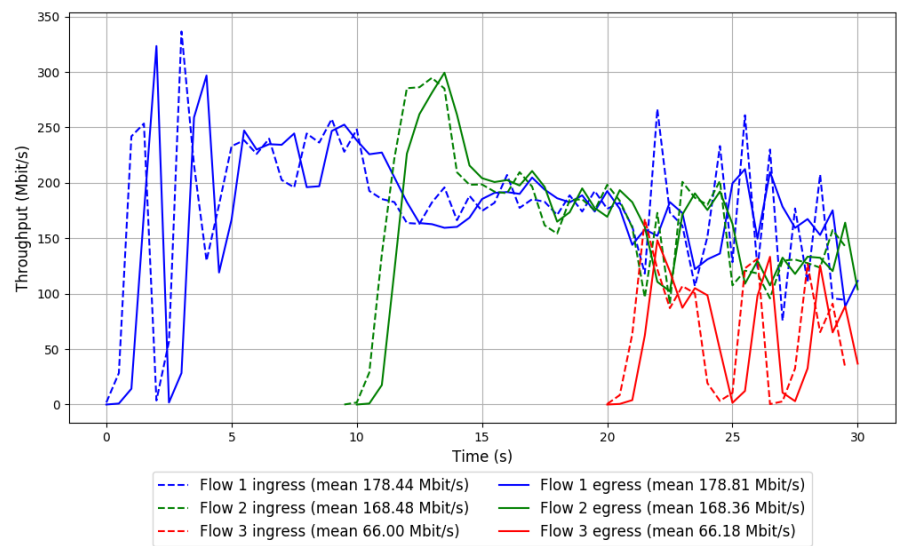


Run 10: Statistics of Verus

Start at: 2018-07-05 08:56:49
End at: 2018-07-05 08:57:19
Local clock offset: -0.018 ms
Remote clock offset: -0.245 ms

Below is generated by plot.py at 2018-07-05 12:35:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 311.55 Mbit/s
95th percentile per-packet one-way delay: 188.857 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 178.81 Mbit/s
95th percentile per-packet one-way delay: 208.288 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 168.36 Mbit/s
95th percentile per-packet one-way delay: 156.893 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 66.18 Mbit/s
95th percentile per-packet one-way delay: 196.768 ms
Loss rate: 1.01%

Run 10: Report of Verus — Data Link

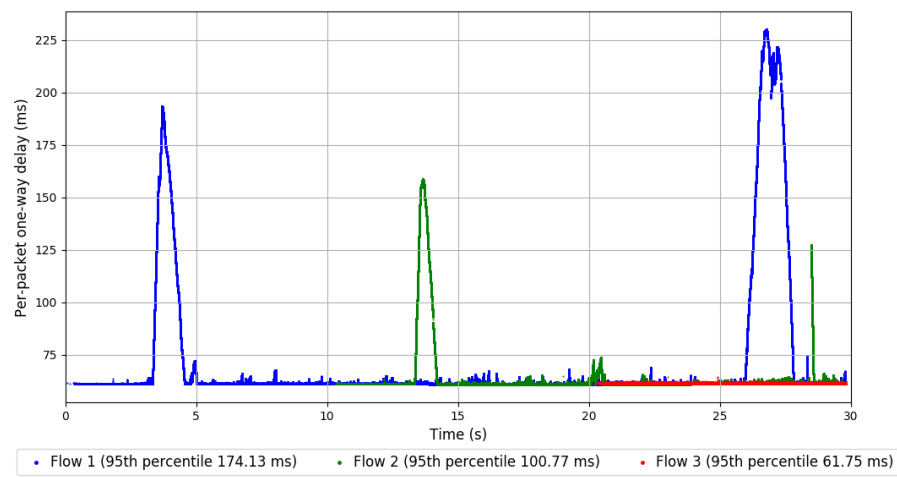
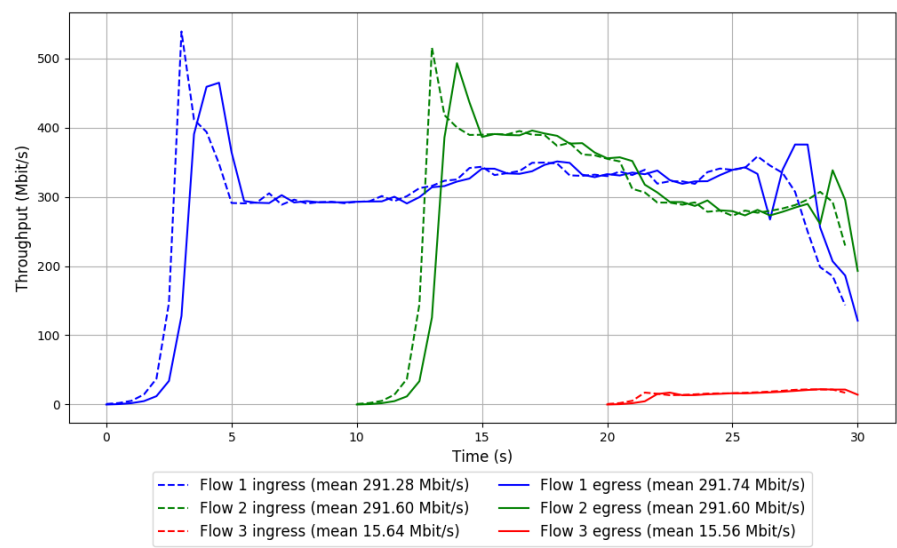


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-05 05:06:02
End at: 2018-07-05 05:06:32
Local clock offset: 0.334 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-05 12:40:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 490.37 Mbit/s
95th percentile per-packet one-way delay: 149.964 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 291.74 Mbit/s
95th percentile per-packet one-way delay: 174.133 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 291.60 Mbit/s
95th percentile per-packet one-way delay: 100.769 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 15.56 Mbit/s
95th percentile per-packet one-way delay: 61.748 ms
Loss rate: 1.77%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-05 05:31:09

End at: 2018-07-05 05:31:39

Local clock offset: -0.0 ms

Remote clock offset: 0.084 ms

Below is generated by plot.py at 2018-07-05 12:42:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 532.09 Mbit/s

95th percentile per-packet one-way delay: 197.100 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 353.64 Mbit/s

95th percentile per-packet one-way delay: 147.325 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 247.83 Mbit/s

95th percentile per-packet one-way delay: 231.342 ms

Loss rate: 1.38%

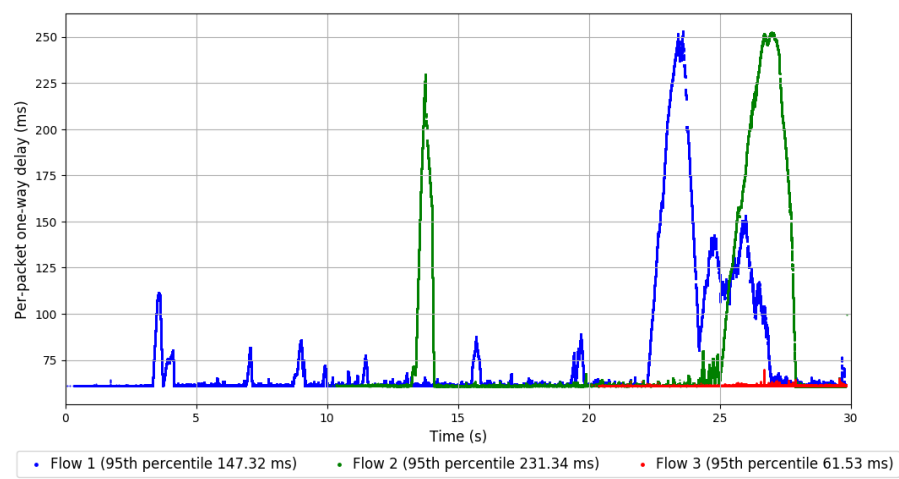
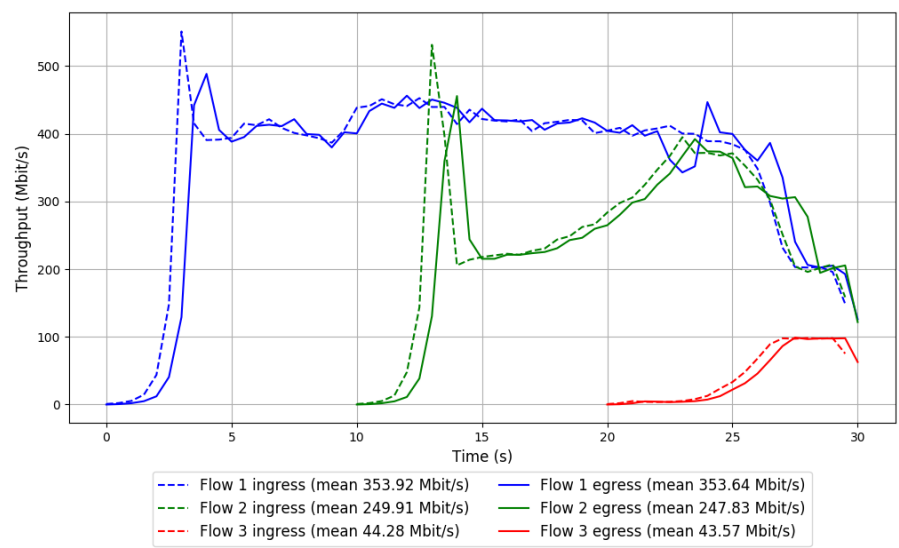
-- Flow 3:

Average throughput: 43.57 Mbit/s

95th percentile per-packet one-way delay: 61.530 ms

Loss rate: 2.86%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-05 05:55:57

End at: 2018-07-05 05:56:27

Local clock offset: -0.051 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-07-05 12:43:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 537.88 Mbit/s

95th percentile per-packet one-way delay: 150.227 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 321.11 Mbit/s

95th percentile per-packet one-way delay: 173.258 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 249.60 Mbit/s

95th percentile per-packet one-way delay: 119.558 ms

Loss rate: 0.34%

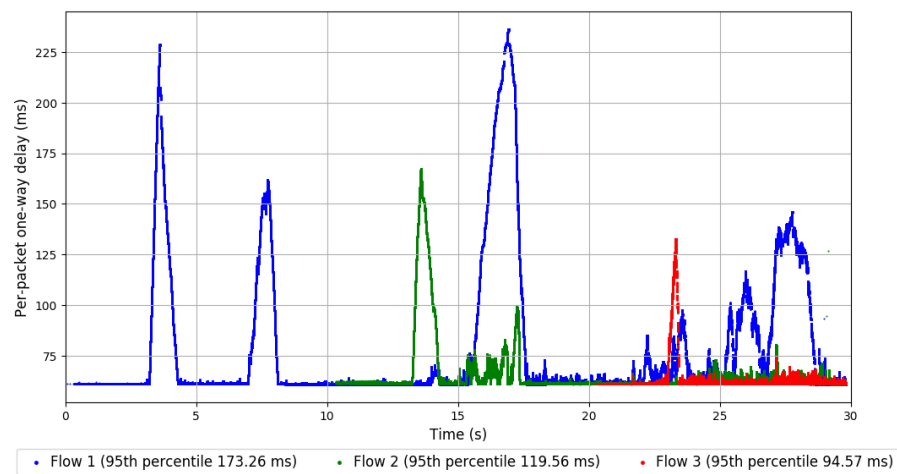
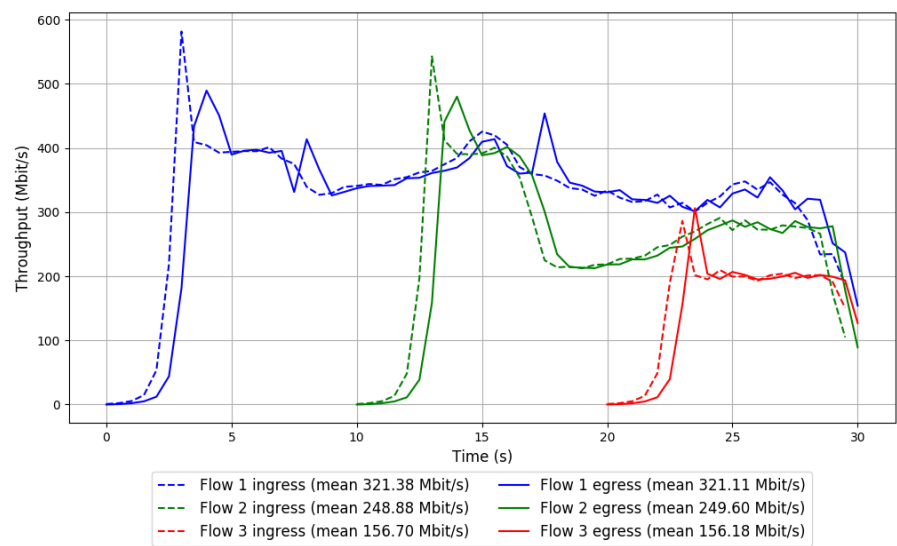
-- Flow 3:

Average throughput: 156.18 Mbit/s

95th percentile per-packet one-way delay: 94.570 ms

Loss rate: 1.57%

Run 3: Report of PCC-Vivace — Data Link

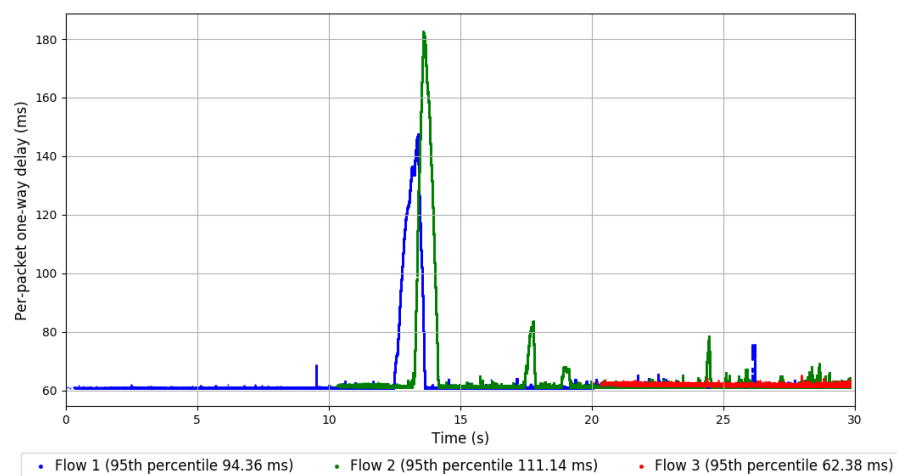
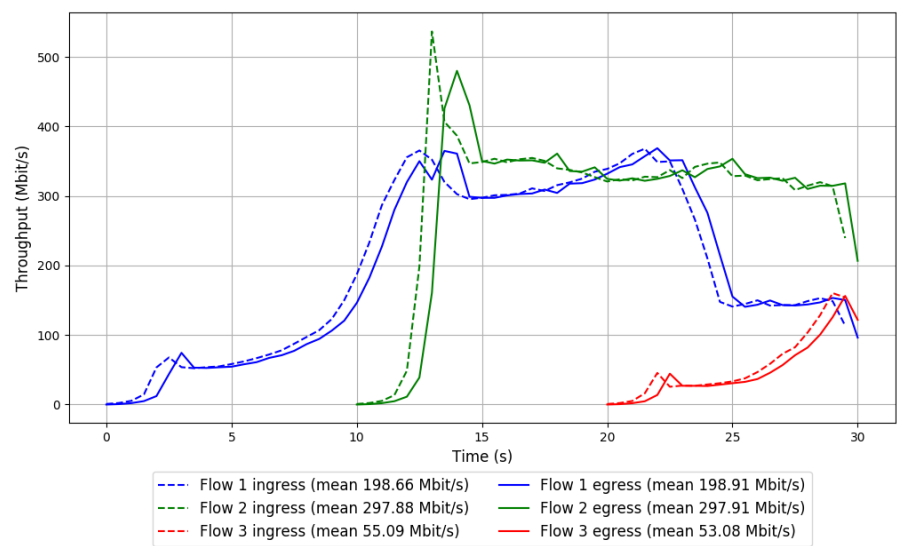


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-05 06:21:26
End at: 2018-07-05 06:21:56
Local clock offset: -0.079 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-07-05 12:43:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 414.01 Mbit/s
95th percentile per-packet one-way delay: 96.683 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 198.91 Mbit/s
95th percentile per-packet one-way delay: 94.363 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 297.91 Mbit/s
95th percentile per-packet one-way delay: 111.142 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 53.08 Mbit/s
95th percentile per-packet one-way delay: 62.377 ms
Loss rate: 4.88%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-05 06:46:36

End at: 2018-07-05 06:47:06

Local clock offset: -0.031 ms

Remote clock offset: 0.093 ms

Below is generated by plot.py at 2018-07-05 12:43:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 527.17 Mbit/s

95th percentile per-packet one-way delay: 129.970 ms

Loss rate: 0.88%

-- Flow 1:

Average throughput: 280.91 Mbit/s

95th percentile per-packet one-way delay: 133.249 ms

Loss rate: 0.74%

-- Flow 2:

Average throughput: 289.40 Mbit/s

95th percentile per-packet one-way delay: 139.777 ms

Loss rate: 0.93%

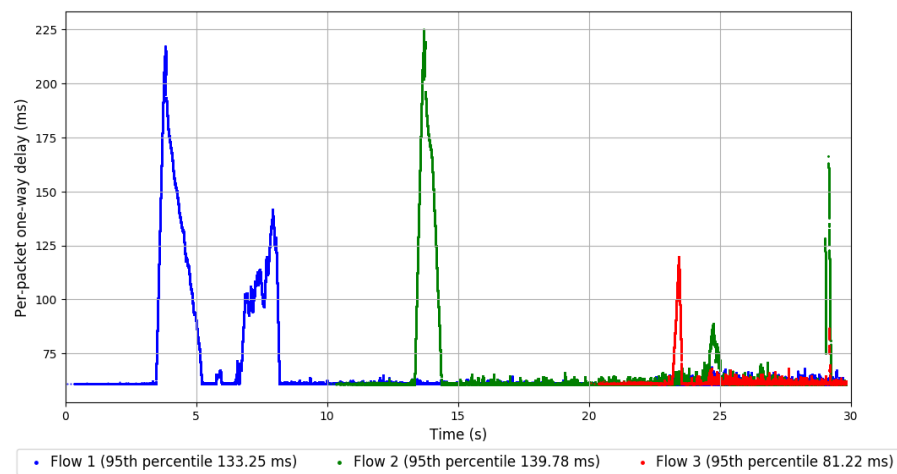
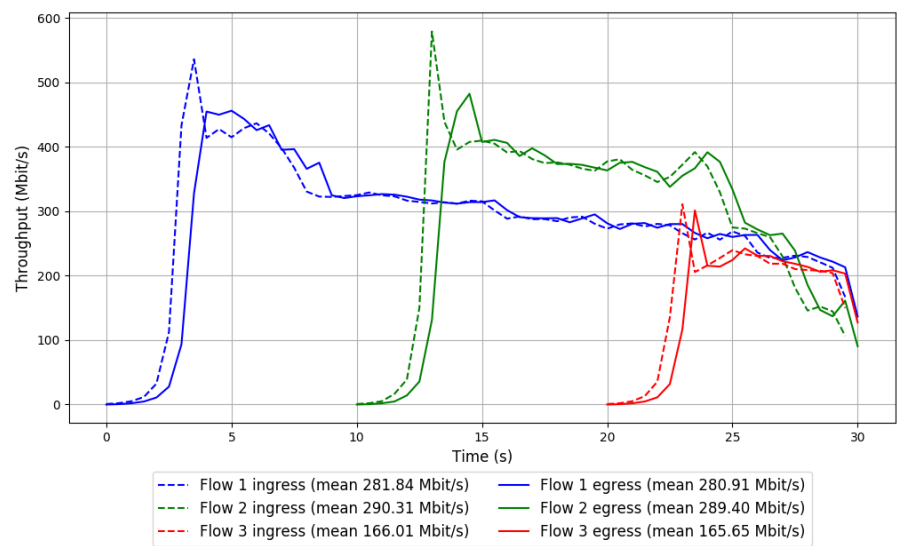
-- Flow 3:

Average throughput: 165.65 Mbit/s

95th percentile per-packet one-way delay: 81.223 ms

Loss rate: 1.45%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-05 07:11:46

End at: 2018-07-05 07:12:16

Local clock offset: -0.018 ms

Remote clock offset: 1.453 ms

Below is generated by plot.py at 2018-07-05 12:43:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 474.21 Mbit/s

95th percentile per-packet one-way delay: 119.281 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 246.56 Mbit/s

95th percentile per-packet one-way delay: 67.773 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 252.28 Mbit/s

95th percentile per-packet one-way delay: 166.865 ms

Loss rate: 0.87%

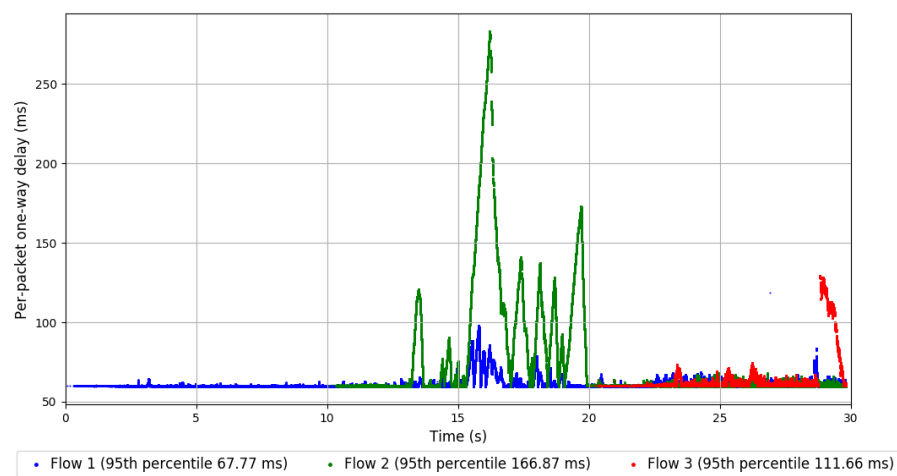
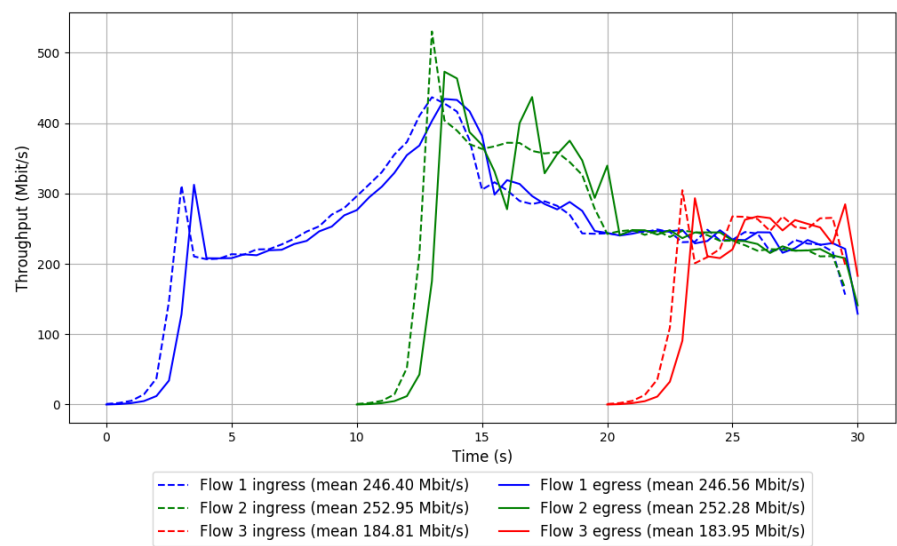
-- Flow 3:

Average throughput: 183.95 Mbit/s

95th percentile per-packet one-way delay: 111.664 ms

Loss rate: 1.70%

Run 6: Report of PCC-Vivace — Data Link

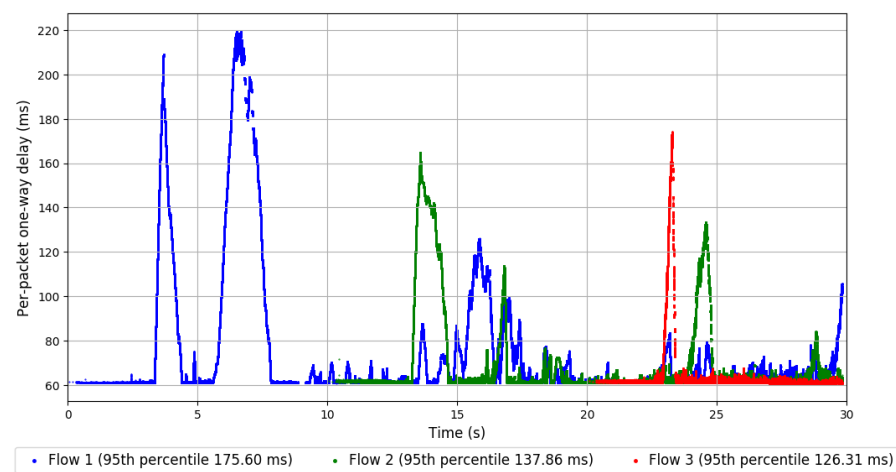
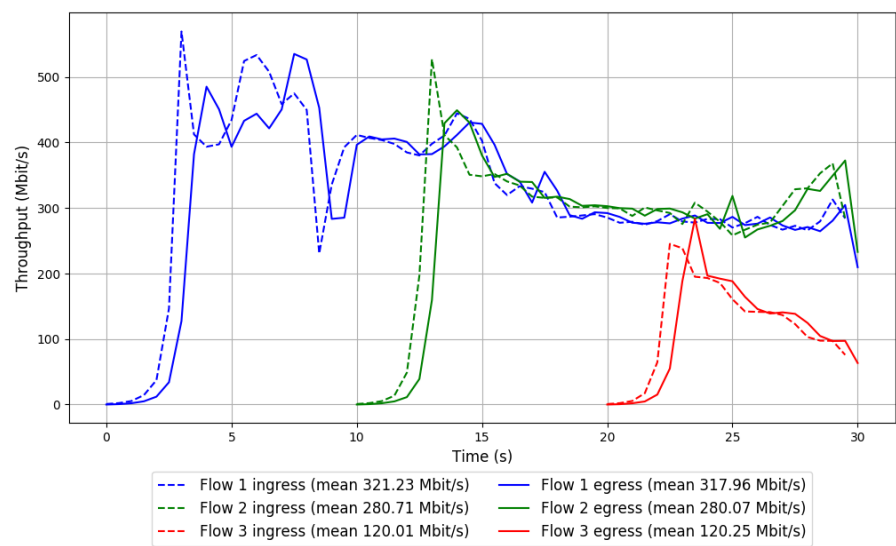


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-05 07:37:09
End at: 2018-07-05 07:37:39
Local clock offset: -0.063 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-05 12:45:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 543.19 Mbit/s
95th percentile per-packet one-way delay: 151.086 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 317.96 Mbit/s
95th percentile per-packet one-way delay: 175.601 ms
Loss rate: 1.43%
-- Flow 2:
Average throughput: 280.07 Mbit/s
95th percentile per-packet one-way delay: 137.859 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 120.25 Mbit/s
95th percentile per-packet one-way delay: 126.315 ms
Loss rate: 1.05%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-05 08:02:14

End at: 2018-07-05 08:02:44

Local clock offset: 0.009 ms

Remote clock offset: 1.293 ms

Below is generated by plot.py at 2018-07-05 12:45:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 500.61 Mbit/s

95th percentile per-packet one-way delay: 143.836 ms

Loss rate: 0.82%

-- Flow 1:

Average throughput: 298.93 Mbit/s

95th percentile per-packet one-way delay: 155.421 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 276.49 Mbit/s

95th percentile per-packet one-way delay: 119.715 ms

Loss rate: 0.70%

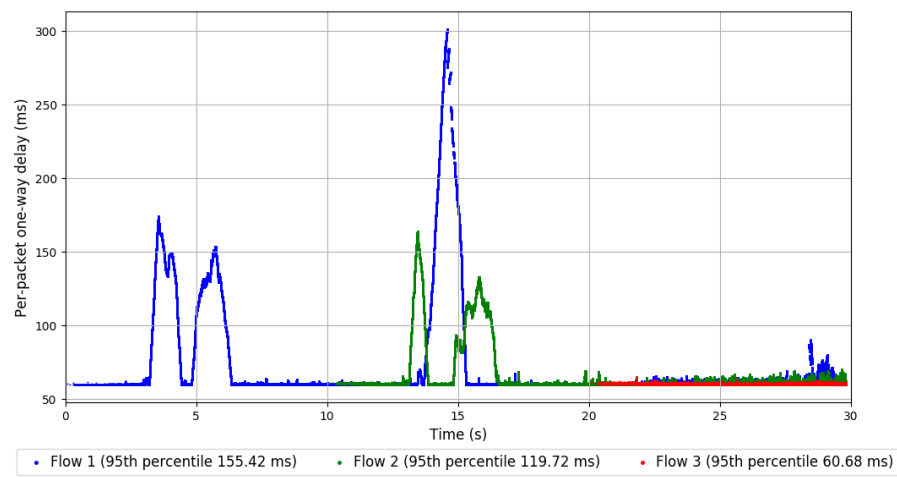
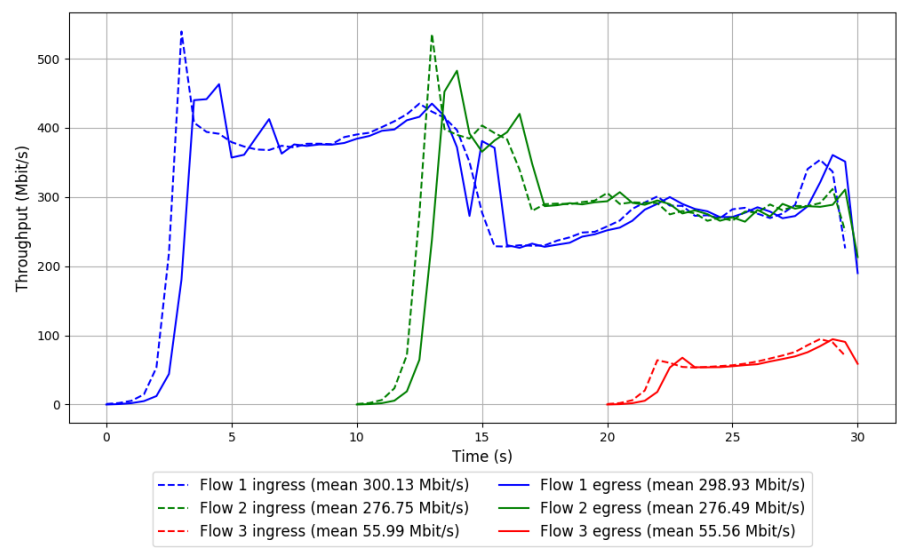
-- Flow 3:

Average throughput: 55.56 Mbit/s

95th percentile per-packet one-way delay: 60.682 ms

Loss rate: 2.02%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-05 08:27:16

End at: 2018-07-05 08:27:46

Local clock offset: -0.032 ms

Remote clock offset: 0.079 ms

Below is generated by plot.py at 2018-07-05 12:46:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 454.33 Mbit/s

95th percentile per-packet one-way delay: 141.984 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 260.60 Mbit/s

95th percentile per-packet one-way delay: 177.254 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 244.57 Mbit/s

95th percentile per-packet one-way delay: 92.522 ms

Loss rate: 0.64%

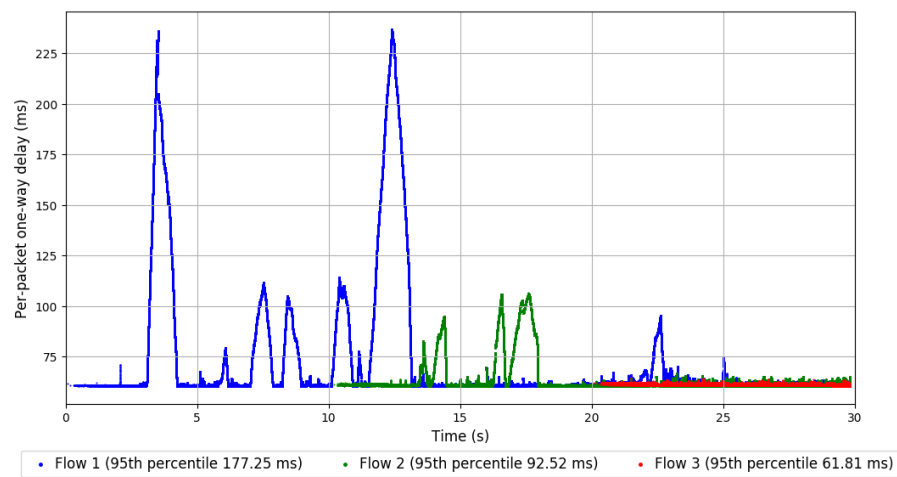
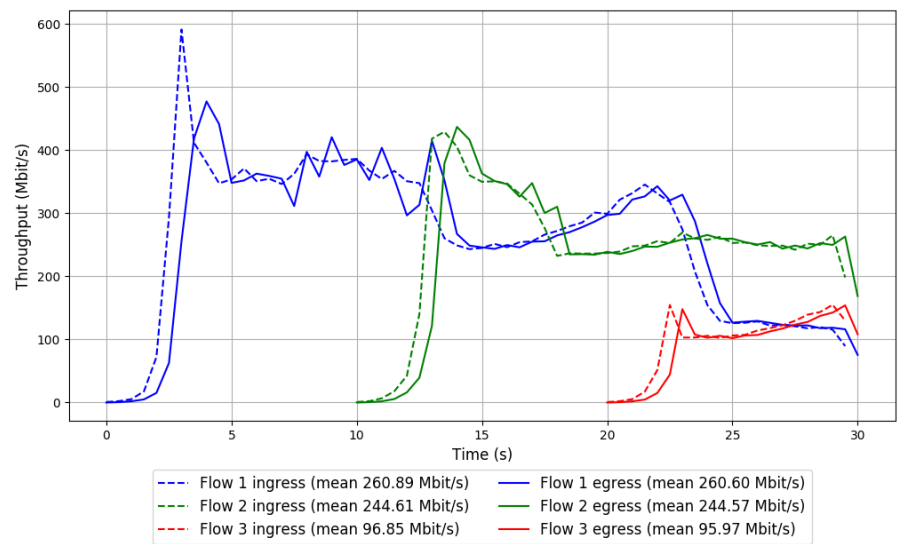
-- Flow 3:

Average throughput: 95.97 Mbit/s

95th percentile per-packet one-way delay: 61.806 ms

Loss rate: 2.18%

Run 9: Report of PCC-Vivace — Data Link

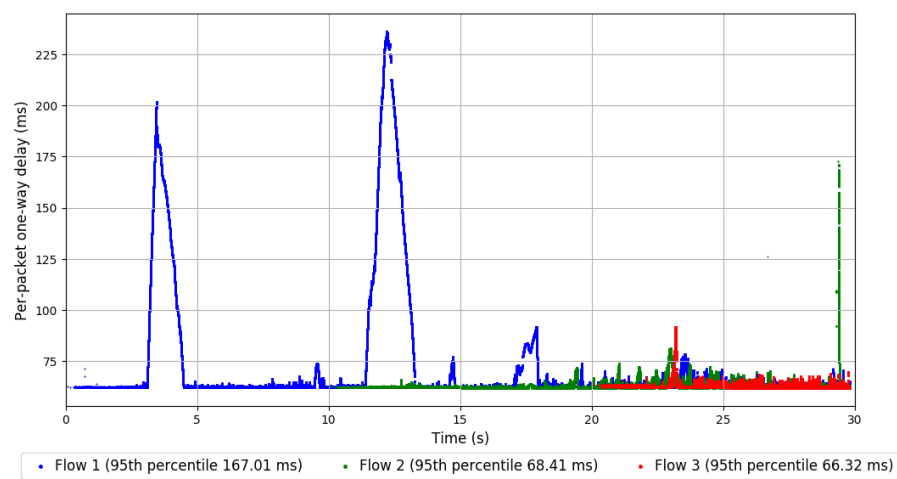
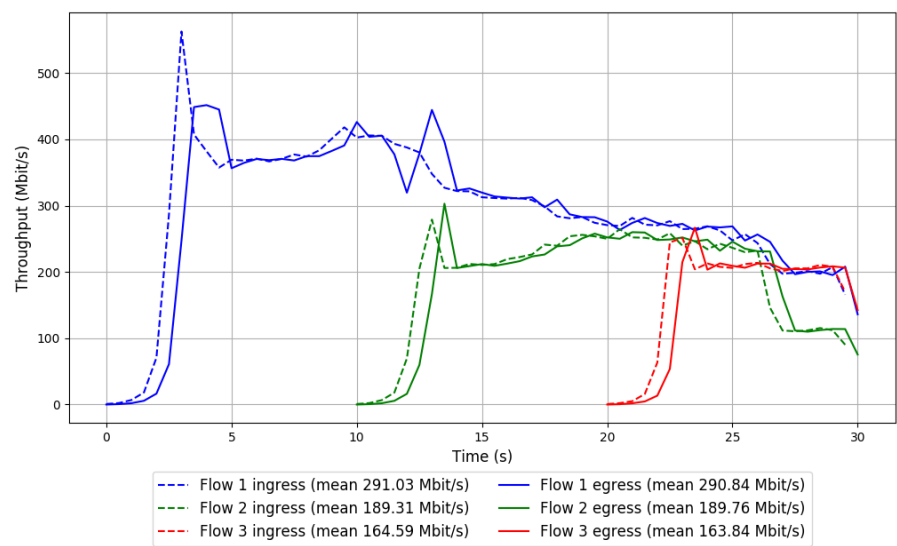


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-05 08:52:01
End at: 2018-07-05 08:52:31
Local clock offset: 0.021 ms
Remote clock offset: -1.262 ms

Below is generated by plot.py at 2018-07-05 12:46:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 470.38 Mbit/s
95th percentile per-packet one-way delay: 140.883 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 290.84 Mbit/s
95th percentile per-packet one-way delay: 167.007 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 189.76 Mbit/s
95th percentile per-packet one-way delay: 68.413 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 163.84 Mbit/s
95th percentile per-packet one-way delay: 66.322 ms
Loss rate: 1.71%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-05 05:22:30

End at: 2018-07-05 05:23:00

Local clock offset: 0.055 ms

Remote clock offset: 1.45 ms

Below is generated by plot.py at 2018-07-05 12:46:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.82 Mbit/s

95th percentile per-packet one-way delay: 59.982 ms

Loss rate: 0.97%

-- Flow 1:

Average throughput: 1.17 Mbit/s

95th percentile per-packet one-way delay: 59.970 ms

Loss rate: 0.78%

-- Flow 2:

Average throughput: 1.19 Mbit/s

95th percentile per-packet one-way delay: 59.988 ms

Loss rate: 0.53%

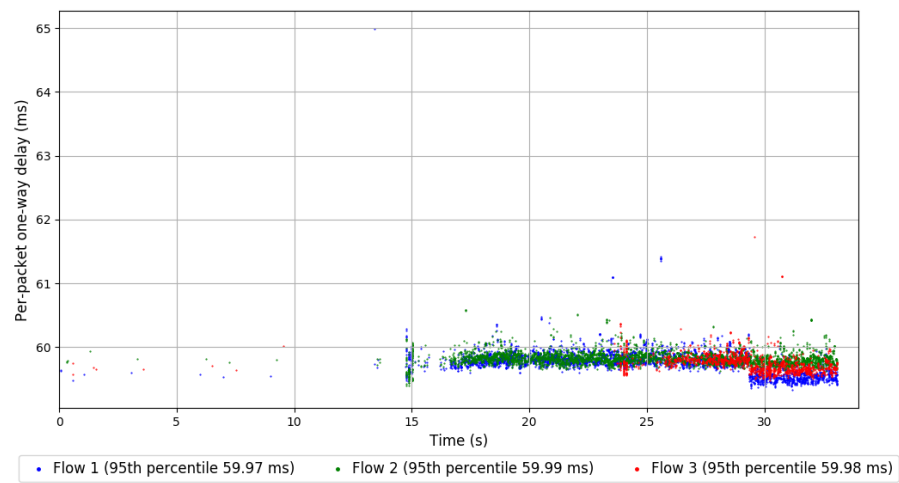
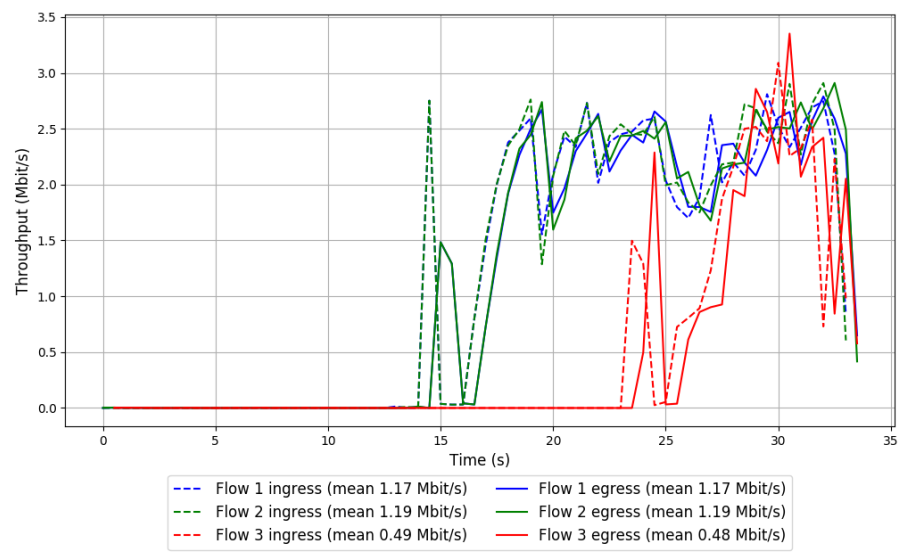
-- Flow 3:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 59.984 ms

Loss rate: 2.51%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-05 05:47:09

End at: 2018-07-05 05:47:39

Local clock offset: -0.03 ms

Remote clock offset: 0.149 ms

Below is generated by plot.py at 2018-07-05 12:46:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.83 Mbit/s

95th percentile per-packet one-way delay: 61.333 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 61.364 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 61.288 ms

Loss rate: 0.71%

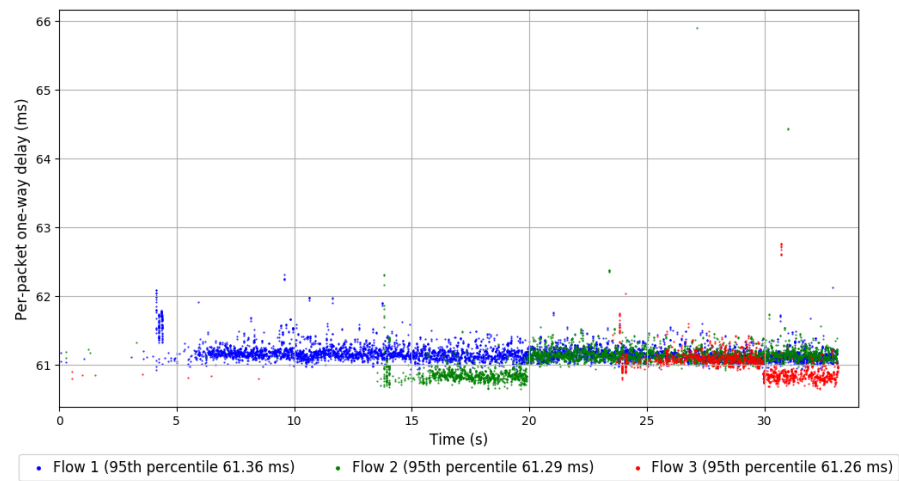
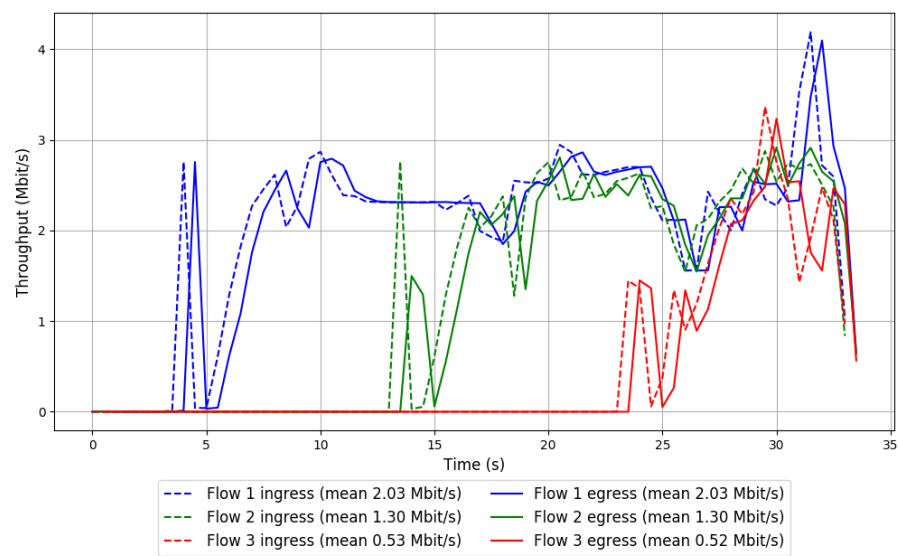
-- Flow 3:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 61.263 ms

Loss rate: 1.80%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-05 06:12:31

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

Local clock offset: -0.052 ms

Remote clock offset: -1.35 ms

Below is generated by plot.py at 2018-07-05 12:46:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.86 Mbit/s

95th percentile per-packet one-way delay: 62.712 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 62.672 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 62.706 ms

Loss rate: 0.81%

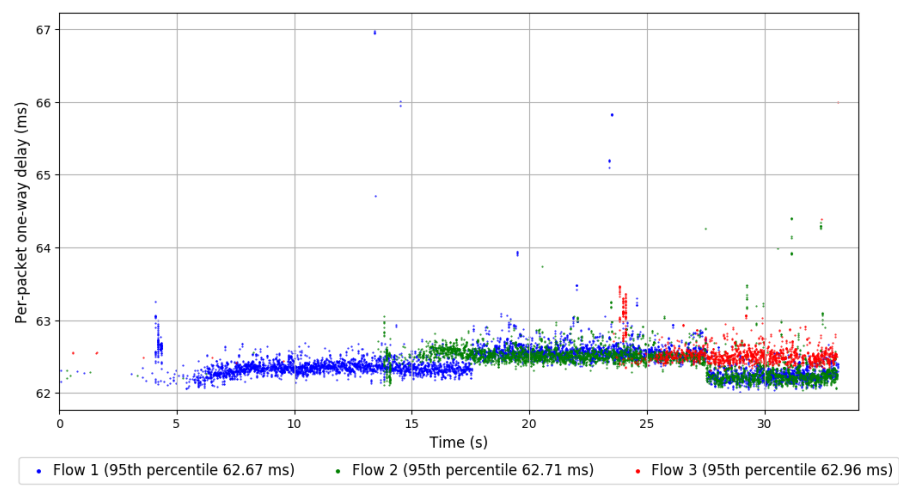
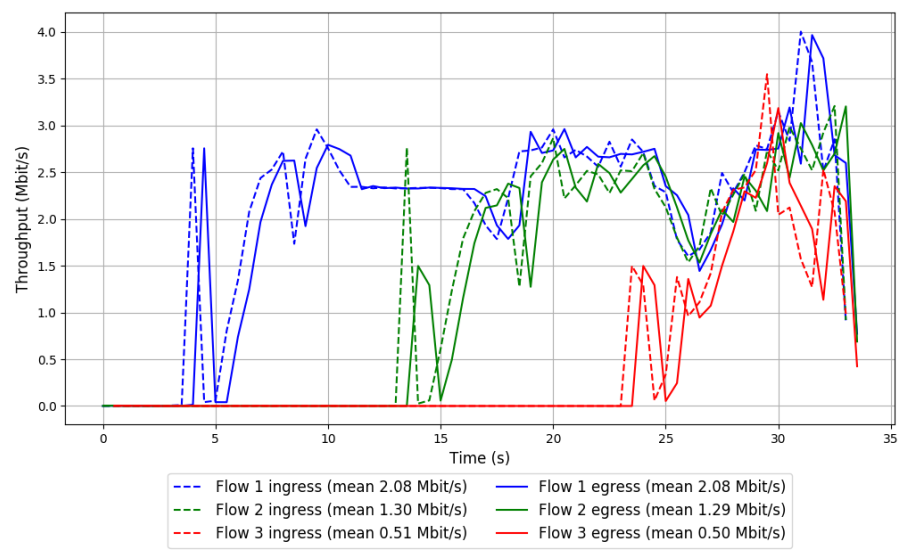
-- Flow 3:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 62.960 ms

Loss rate: 2.36%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-05 06:37:52

End at: 2018-07-05 06:38:22

Local clock offset: -0.033 ms

Remote clock offset: 1.209 ms

Below is generated by plot.py at 2018-07-05 12:46:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.83 Mbit/s

95th percentile per-packet one-way delay: 60.236 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 60.181 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 60.284 ms

Loss rate: 0.98%

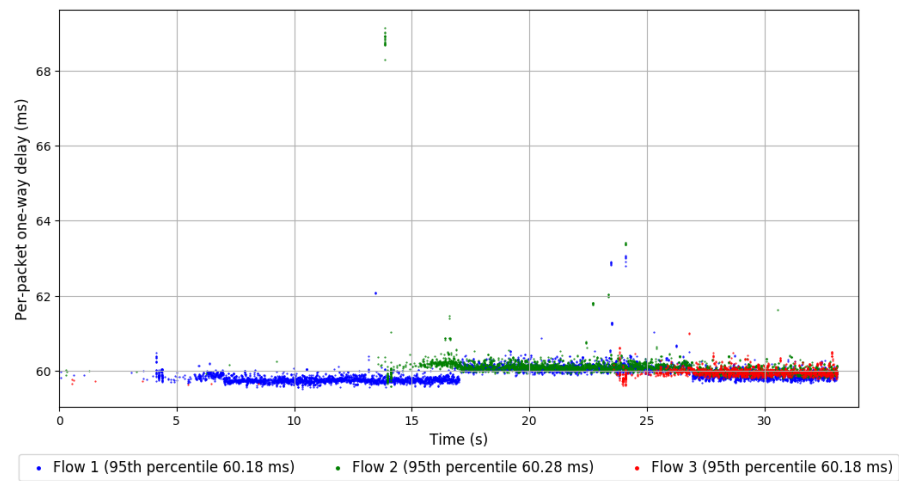
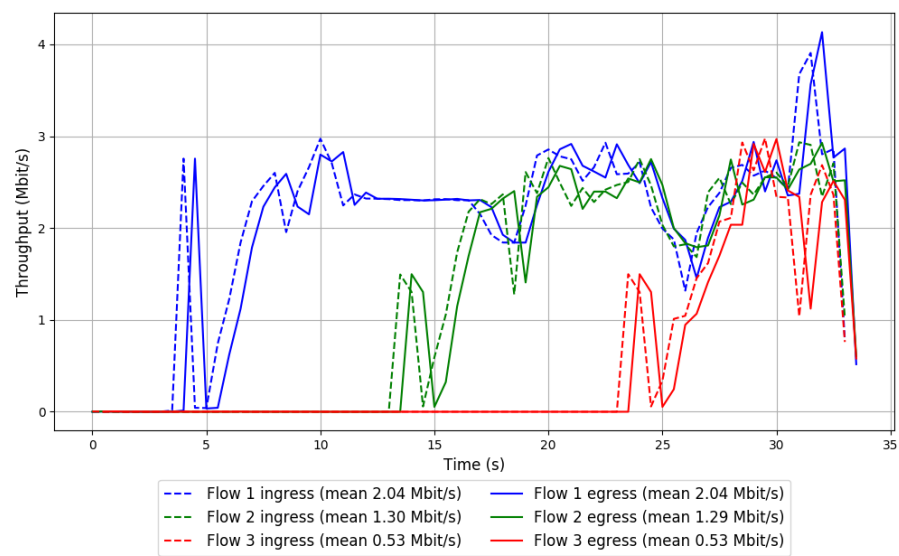
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 60.176 ms

Loss rate: 1.66%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

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

End at: 2018-07-05 07:03:33

Local clock offset: -0.051 ms

Remote clock offset: 1.251 ms

Below is generated by plot.py at 2018-07-05 12:46:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.83 Mbit/s

95th percentile per-packet one-way delay: 60.177 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 60.203 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 60.116 ms

Loss rate: 0.71%

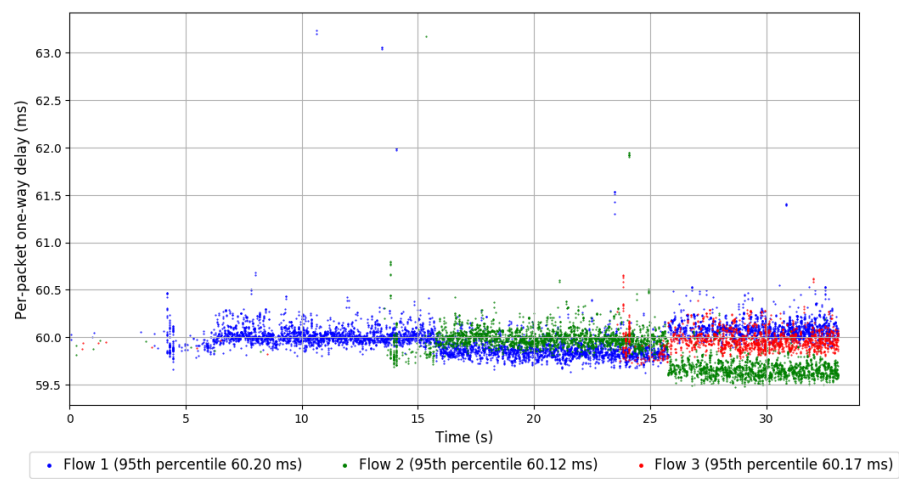
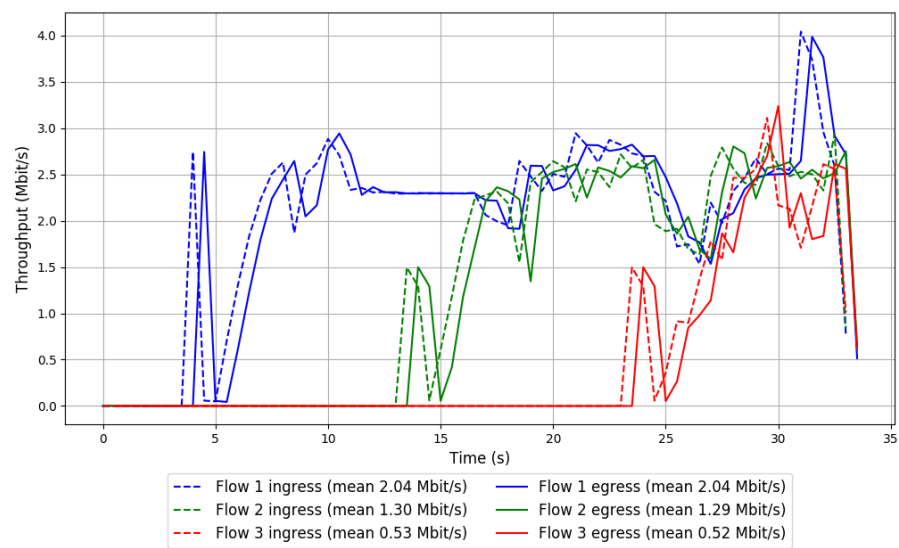
-- Flow 3:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 60.169 ms

Loss rate: 2.27%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-05 07:28:26

End at: 2018-07-05 07:28:56

Local clock offset: -0.067 ms

Remote clock offset: 0.238 ms

Below is generated by plot.py at 2018-07-05 12:46:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.86 Mbit/s

95th percentile per-packet one-way delay: 61.099 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 2.05 Mbit/s

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

Loss rate: 0.37%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 61.155 ms

Loss rate: 0.96%

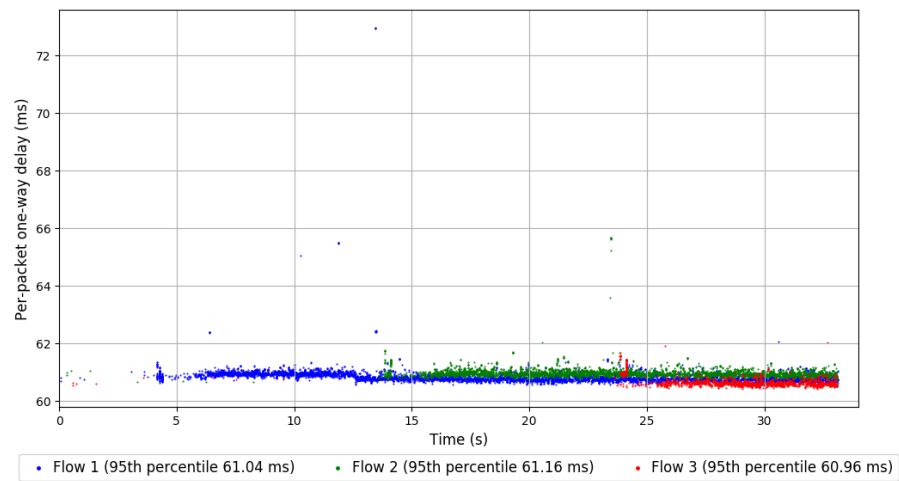
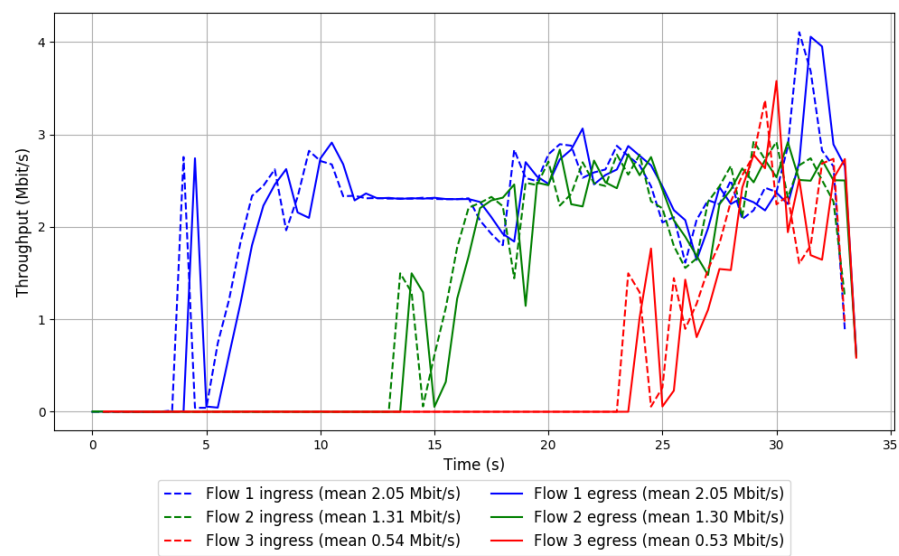
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 60.959 ms

Loss rate: 2.16%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

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

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

Local clock offset: -0.067 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-07-05 12:46:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.87 Mbit/s

95th percentile per-packet one-way delay: 61.461 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 61.292 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 61.533 ms

Loss rate: 0.93%

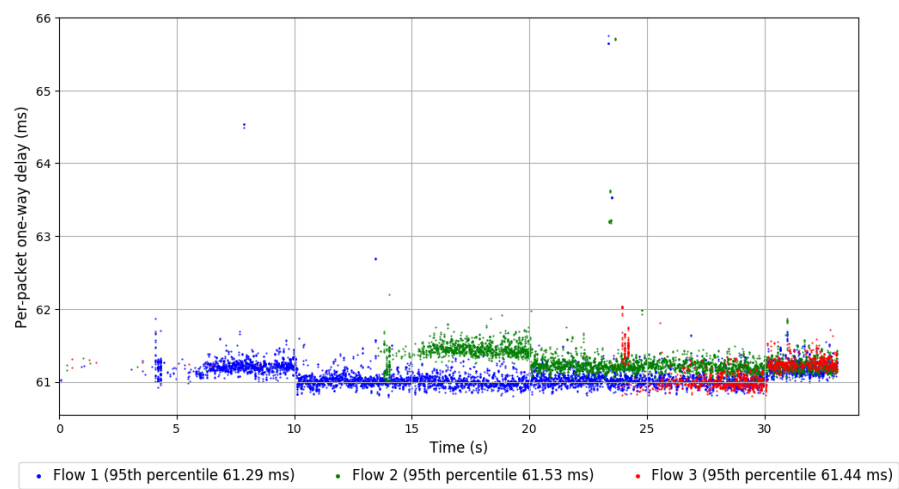
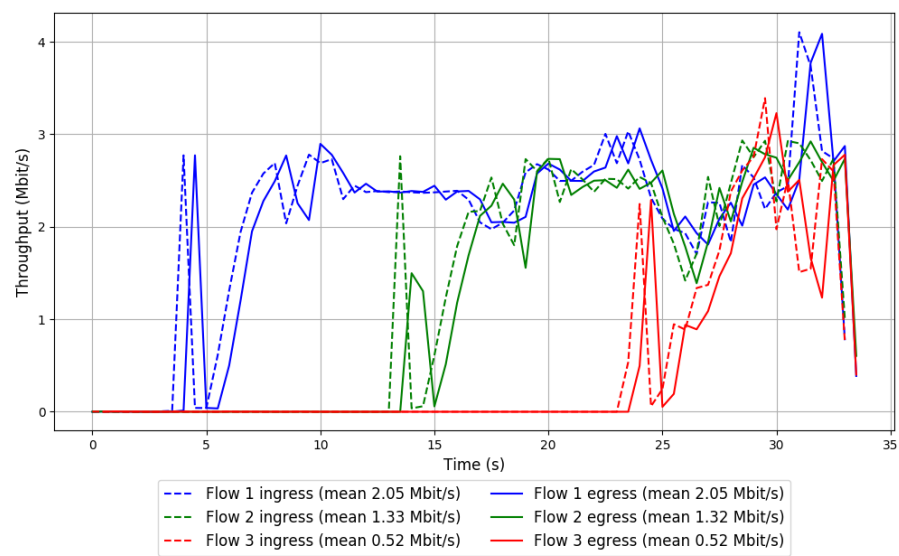
-- Flow 3:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 61.439 ms

Loss rate: 1.70%

Run 7: Report of WebRTC media — Data Link

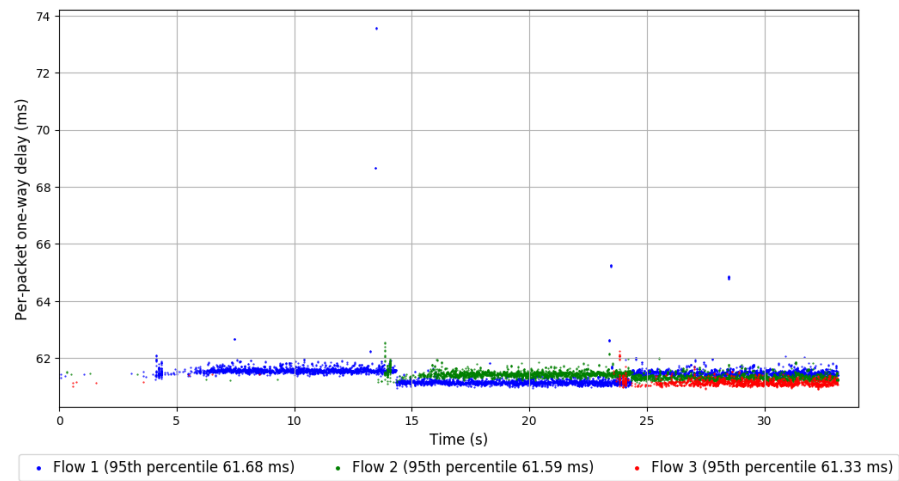
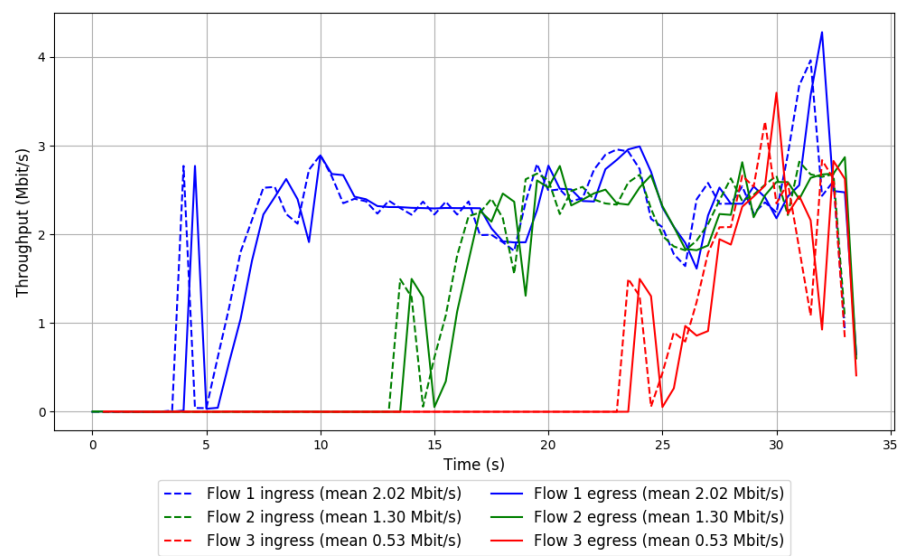


Run 8: Statistics of WebRTC media

Start at: 2018-07-05 08:18:35
End at: 2018-07-05 08:19:05
Local clock offset: -0.066 ms
Remote clock offset: -0.314 ms

Below is generated by plot.py at 2018-07-05 12:46:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.82 Mbit/s
95th percentile per-packet one-way delay: 61.638 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 61.680 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 61.588 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 61.331 ms
Loss rate: 1.72%

Run 8: Report of WebRTC media — Data Link

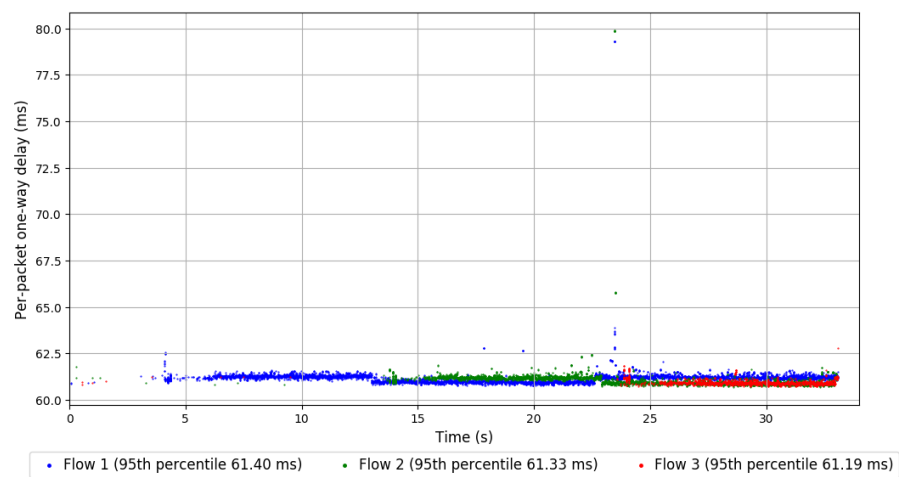
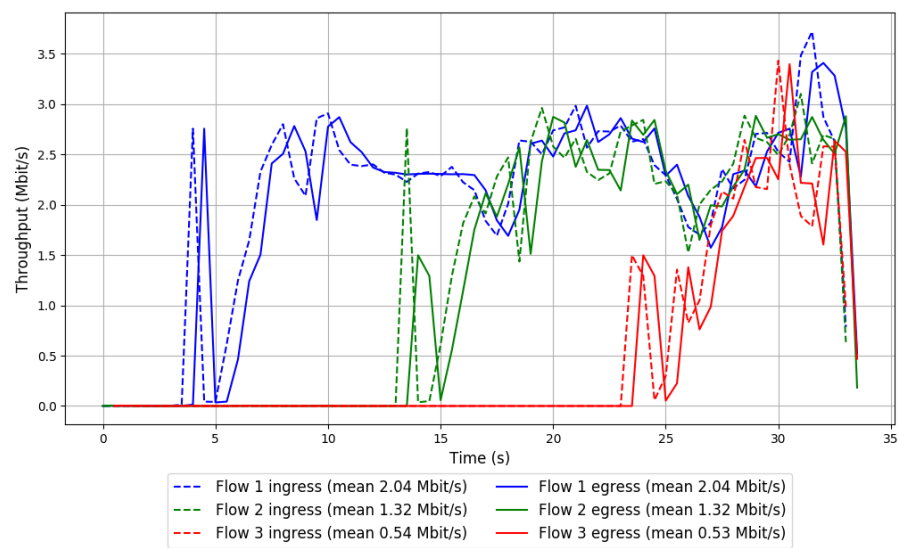


Run 9: Statistics of WebRTC media

Start at: 2018-07-05 08:43:16
End at: 2018-07-05 08:43:46
Local clock offset: -0.009 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-05 12:46:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.86 Mbit/s
95th percentile per-packet one-way delay: 61.371 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 61.397 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 61.331 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 61.185 ms
Loss rate: 2.12%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-05 09:08:30
End at: 2018-07-05 09:09:00
Local clock offset: 0.084 ms
Remote clock offset: -0.237 ms

Below is generated by plot.py at 2018-07-05 12:46:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.82 Mbit/s
95th percentile per-packet one-way delay: 61.588 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 61.501 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 61.648 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 61.638 ms
Loss rate: 1.96%

Run 10: Report of WebRTC media — Data Link

