

Pantheon Report

Generated at 2018-07-25 08:36:01 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

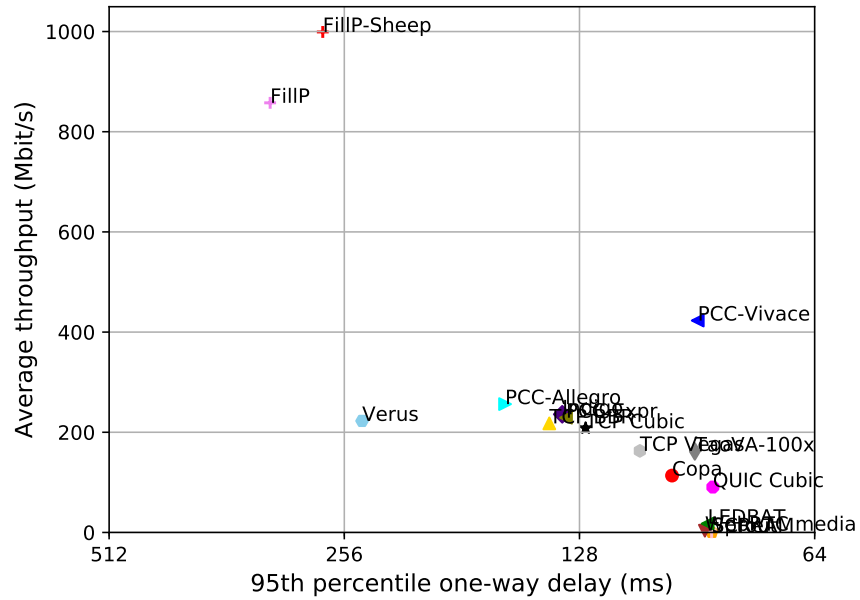
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

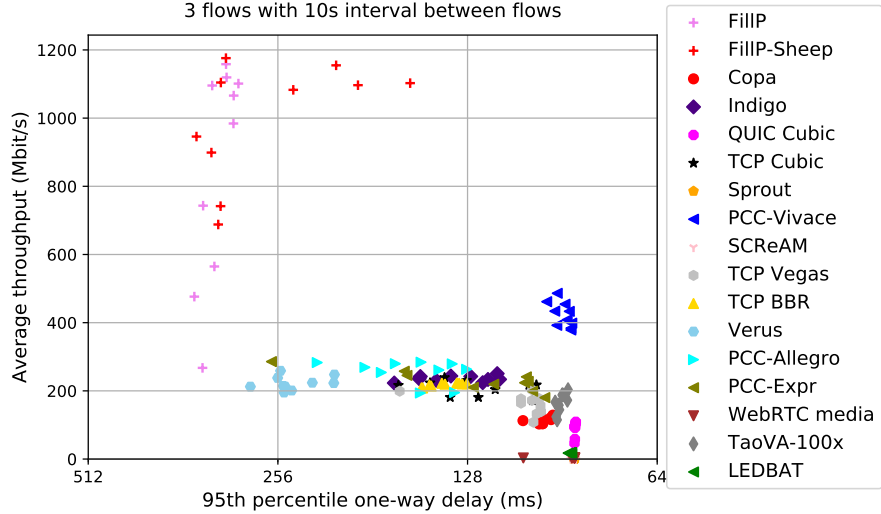
Git summary:

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



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



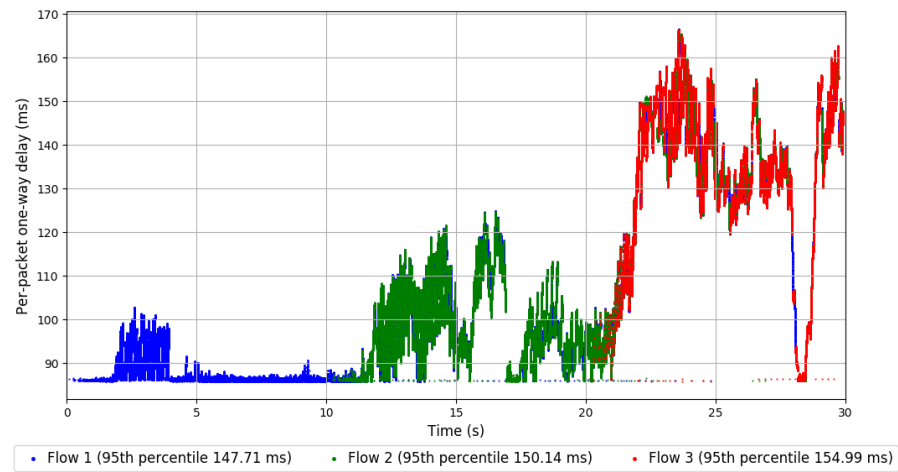
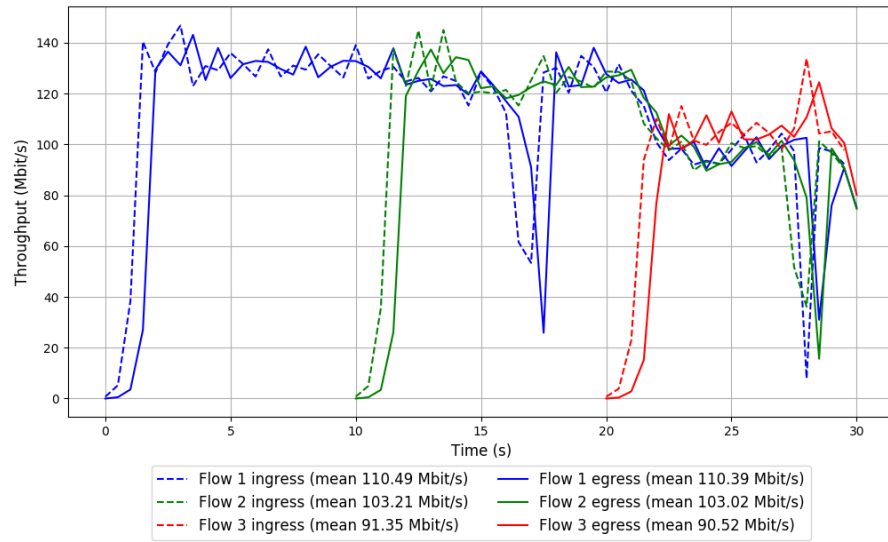
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	115.00	108.43	93.66	136.68	139.71	144.95	0.58	0.94	2.38
Copa	10	66.67	49.73	43.06	97.12	98.06	97.80	0.48	0.97	1.75
TCP Cubic	10	126.86	90.99	64.37	122.86	126.29	126.20	0.65	1.94	3.86
FillP	10	425.14	427.91	453.97	322.69	318.72	301.66	3.30	5.01	4.87
FillP-Sheep	10	471.62	558.16	480.45	269.74	228.69	206.47	3.12	1.60	3.08
Indigo	10	141.90	119.27	45.65	130.38	135.99	141.29	0.55	0.94	2.39
LEDBAT	10	11.39	7.70	3.30	87.80	87.75	87.99	1.19	1.69	3.84
PCC-Allegro	10	231.75	26.21	21.89	160.72	149.19	150.13	1.07	0.96	1.91
PCC-Expr	10	171.06	75.97	23.40	131.40	137.00	147.85	1.08	2.10	3.78
QUIC Cubic	10	45.36	46.93	42.75	86.38	86.28	86.29	0.72	1.15	1.91
SCReAM	10	0.22	0.22	0.22	86.61	86.77	86.48	0.51	0.91	1.78
Sprout	10	0.29	0.29	0.34	86.65	86.53	86.55	0.45	0.76	1.07
TaoVA-100x	10	116.72	56.87	30.07	89.90	93.50	97.39	0.25	1.06	1.73
TCP Vegas	10	112.18	45.22	63.27	105.08	104.14	107.82	0.52	1.14	2.56
Verus	10	147.62	83.15	64.45	236.29	246.73	245.82	1.79	2.89	6.44
PCC-Vivace	10	251.76	197.32	124.10	95.52	88.43	101.32	0.59	1.04	2.49
WebRTC media	10	1.81	1.21	0.46	89.17	86.52	86.73	0.68	1.16	2.15

Run 1: Statistics of TCP BBR

Start at: 2018-07-25 02:01:33
End at: 2018-07-25 02:02:03
Local clock offset: 0.109 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-07-25 06:10:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 208.54 Mbit/s
95th percentile per-packet one-way delay: 150.820 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 110.39 Mbit/s
95th percentile per-packet one-way delay: 147.710 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 103.02 Mbit/s
95th percentile per-packet one-way delay: 150.137 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 90.52 Mbit/s
95th percentile per-packet one-way delay: 154.990 ms
Loss rate: 2.71%

Run 1: Report of TCP BBR — Data Link

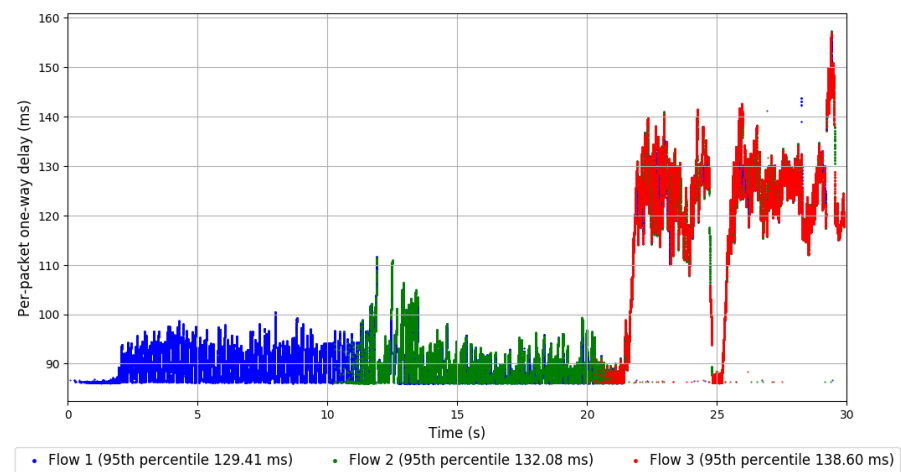
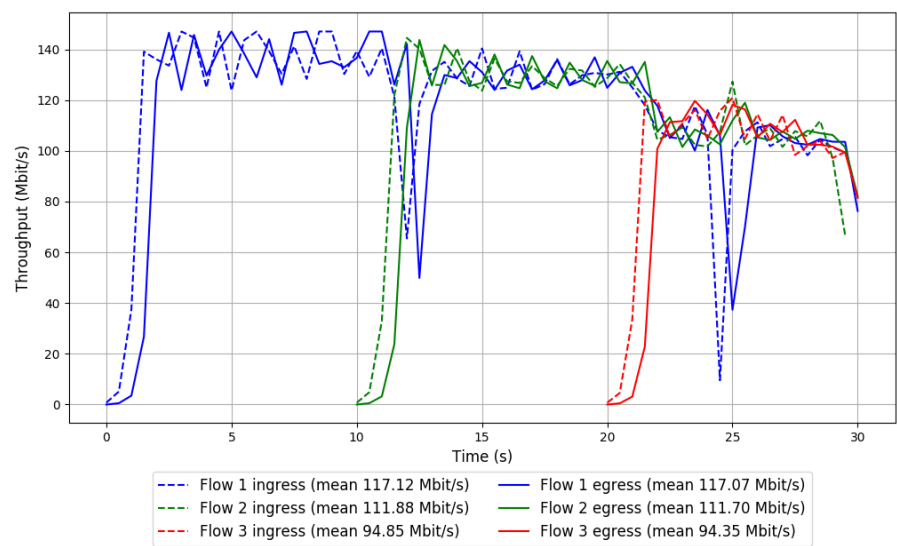


Run 2: Statistics of TCP BBR

Start at: 2018-07-25 02:25:54
End at: 2018-07-25 02:26:24
Local clock offset: 0.11 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2018-07-25 06:11:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 222.23 Mbit/s
95th percentile per-packet one-way delay: 131.991 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 117.07 Mbit/s
95th percentile per-packet one-way delay: 129.409 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 111.70 Mbit/s
95th percentile per-packet one-way delay: 132.078 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 94.35 Mbit/s
95th percentile per-packet one-way delay: 138.596 ms
Loss rate: 2.24%

Run 2: Report of TCP BBR — Data Link

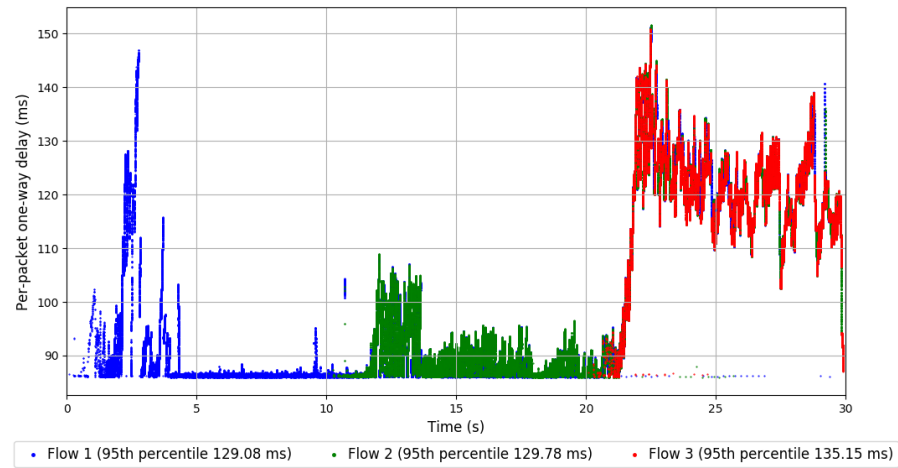
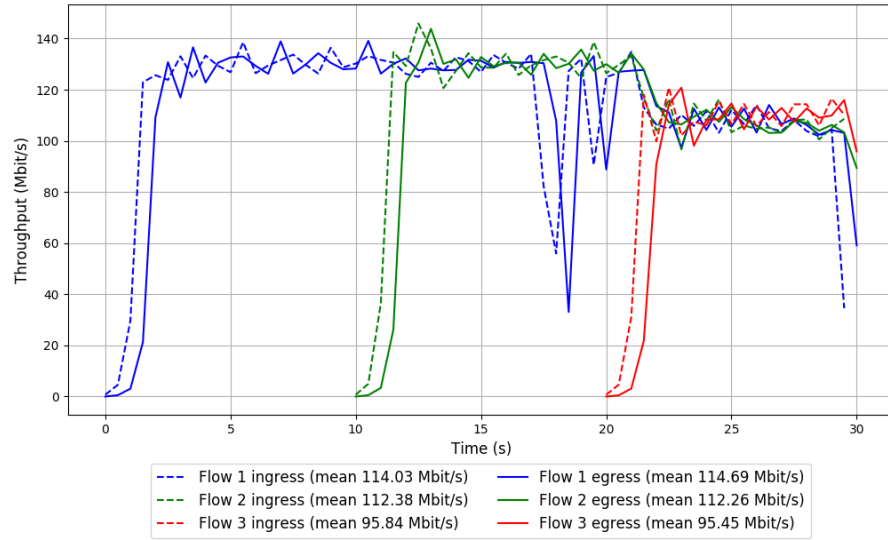


Run 3: Statistics of TCP BBR

Start at: 2018-07-25 02:50:12
End at: 2018-07-25 02:50:42
Local clock offset: 0.021 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2018-07-25 06:11:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 220.21 Mbit/s
95th percentile per-packet one-way delay: 130.481 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 114.69 Mbit/s
95th percentile per-packet one-way delay: 129.082 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 112.26 Mbit/s
95th percentile per-packet one-way delay: 129.784 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 95.45 Mbit/s
95th percentile per-packet one-way delay: 135.150 ms
Loss rate: 2.14%

Run 3: Report of TCP BBR — Data Link

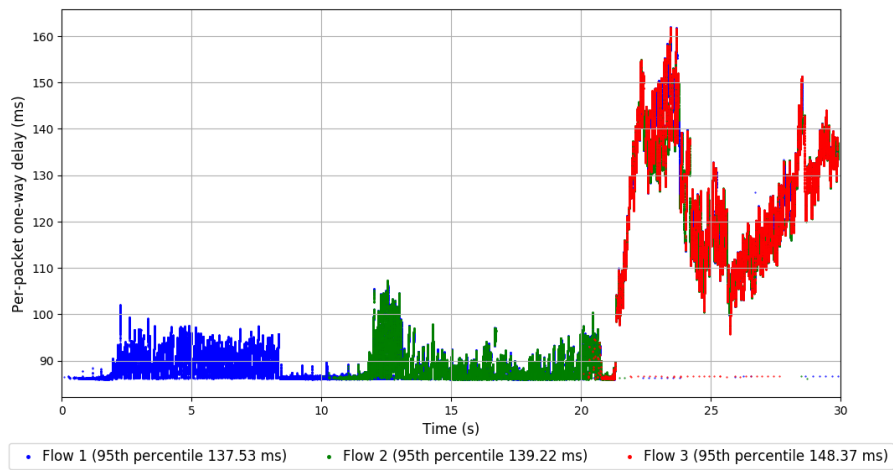
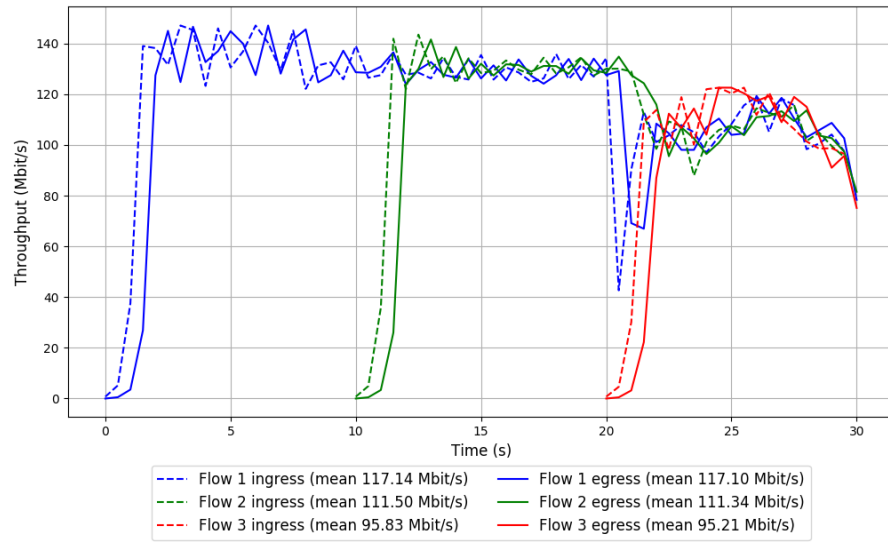


Run 4: Statistics of TCP BBR

Start at: 2018-07-25 03:14:43
End at: 2018-07-25 03:15:13
Local clock offset: 0.077 ms
Remote clock offset: -0.193 ms

Below is generated by plot.py at 2018-07-25 06:11:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 222.27 Mbit/s
95th percentile per-packet one-way delay: 140.597 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 117.10 Mbit/s
95th percentile per-packet one-way delay: 137.527 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 111.34 Mbit/s
95th percentile per-packet one-way delay: 139.218 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 95.21 Mbit/s
95th percentile per-packet one-way delay: 148.365 ms
Loss rate: 2.46%

Run 4: Report of TCP BBR — Data Link

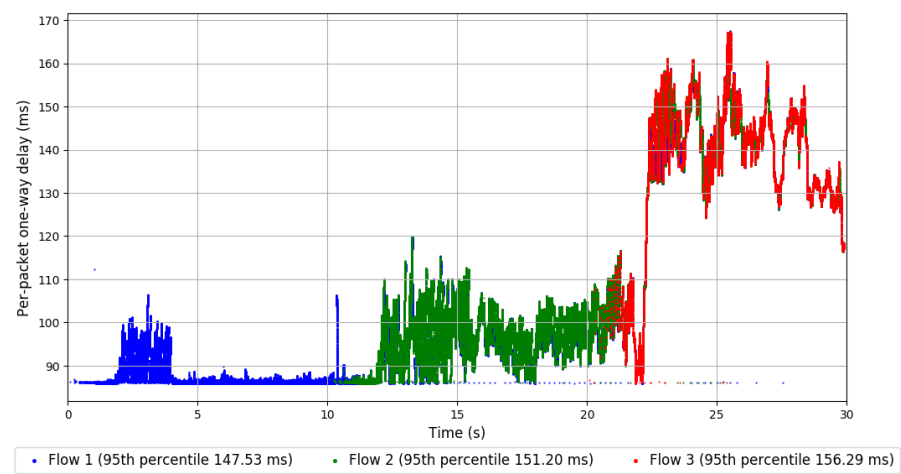
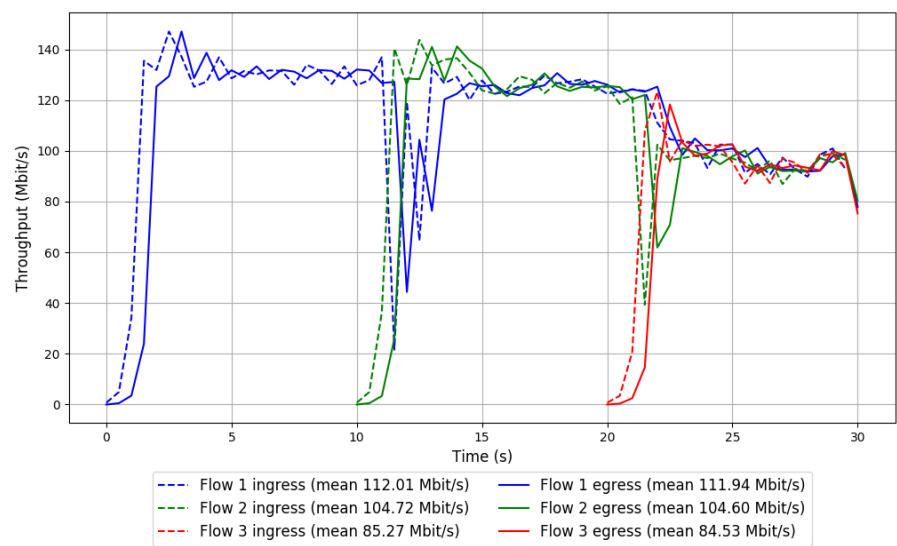


Run 5: Statistics of TCP BBR

Start at: 2018-07-25 03:39:13
End at: 2018-07-25 03:39:43
Local clock offset: -0.022 ms
Remote clock offset: -0.191 ms

Below is generated by plot.py at 2018-07-25 06:11:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 209.21 Mbit/s
95th percentile per-packet one-way delay: 151.454 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 111.94 Mbit/s
95th percentile per-packet one-way delay: 147.533 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 104.60 Mbit/s
95th percentile per-packet one-way delay: 151.199 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 84.53 Mbit/s
95th percentile per-packet one-way delay: 156.287 ms
Loss rate: 2.58%

Run 5: Report of TCP BBR — Data Link

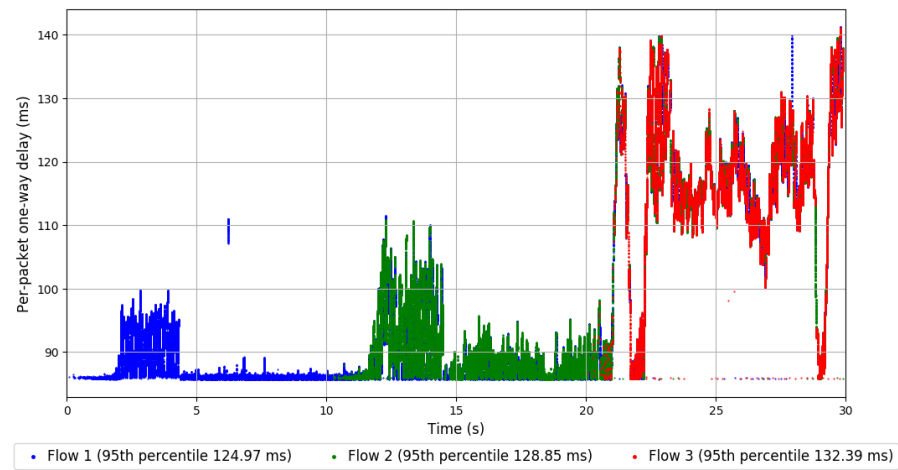
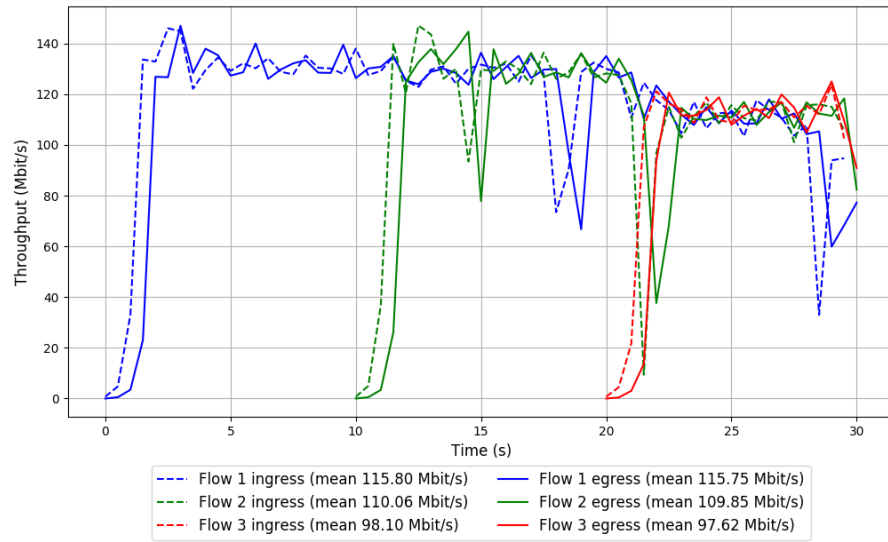


Run 6: Statistics of TCP BBR

Start at: 2018-07-25 04:03:17
End at: 2018-07-25 04:03:47
Local clock offset: -0.218 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-07-25 06:11:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 220.78 Mbit/s
95th percentile per-packet one-way delay: 128.302 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 115.75 Mbit/s
95th percentile per-packet one-way delay: 124.968 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 109.85 Mbit/s
95th percentile per-packet one-way delay: 128.855 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 97.62 Mbit/s
95th percentile per-packet one-way delay: 132.394 ms
Loss rate: 2.26%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-25 04:27:43

End at: 2018-07-25 04:28:13

Local clock offset: 0.118 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-07-25 06:11:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 217.32 Mbit/s

95th percentile per-packet one-way delay: 147.122 ms

Loss rate: 1.00%

-- Flow 1:

Average throughput: 115.89 Mbit/s

95th percentile per-packet one-way delay: 141.987 ms

Loss rate: 0.61%

-- Flow 2:

Average throughput: 107.15 Mbit/s

95th percentile per-packet one-way delay: 147.381 ms

Loss rate: 1.03%

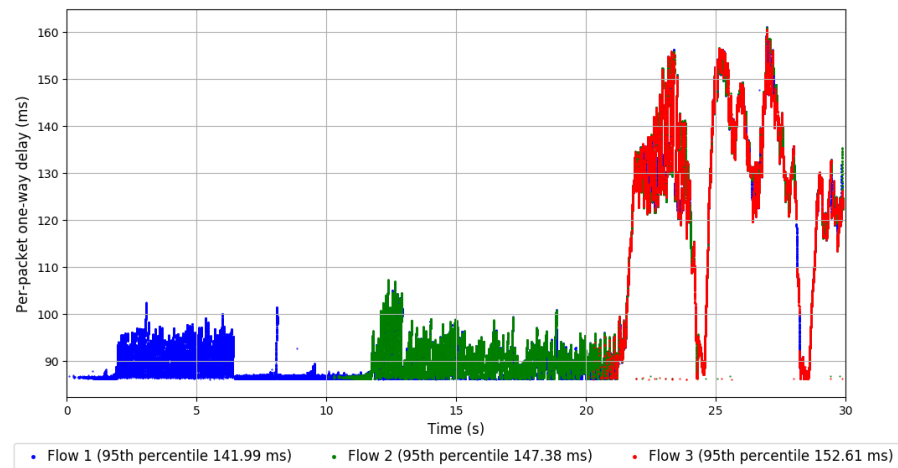
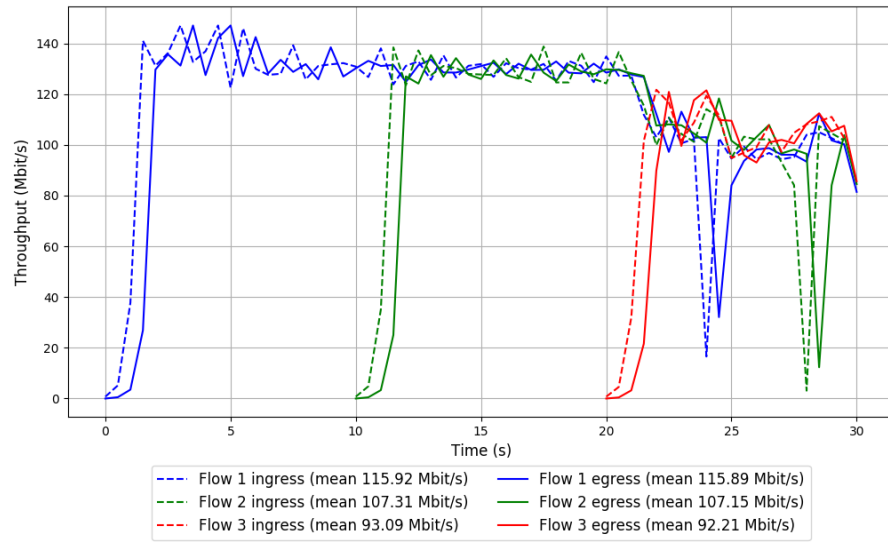
-- Flow 3:

Average throughput: 92.21 Mbit/s

95th percentile per-packet one-way delay: 152.607 ms

Loss rate: 2.41%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-25 04:52:22

End at: 2018-07-25 04:52:52

Local clock offset: -0.058 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2018-07-25 06:11:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 223.01 Mbit/s

95th percentile per-packet one-way delay: 133.137 ms

Loss rate: 1.04%

-- Flow 1:

Average throughput: 117.05 Mbit/s

95th percentile per-packet one-way delay: 131.129 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 108.78 Mbit/s

95th percentile per-packet one-way delay: 133.423 ms

Loss rate: 0.97%

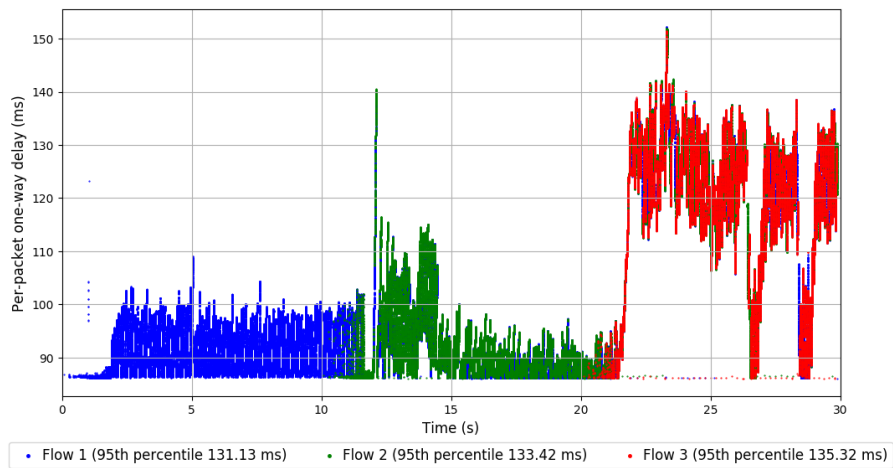
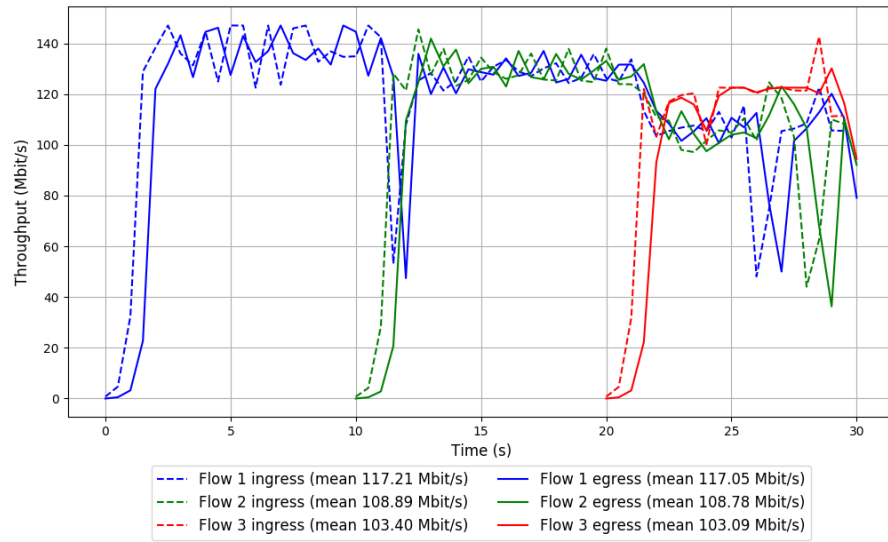
-- Flow 3:

Average throughput: 103.09 Mbit/s

95th percentile per-packet one-way delay: 135.324 ms

Loss rate: 2.37%

Run 8: Report of TCP BBR — Data Link

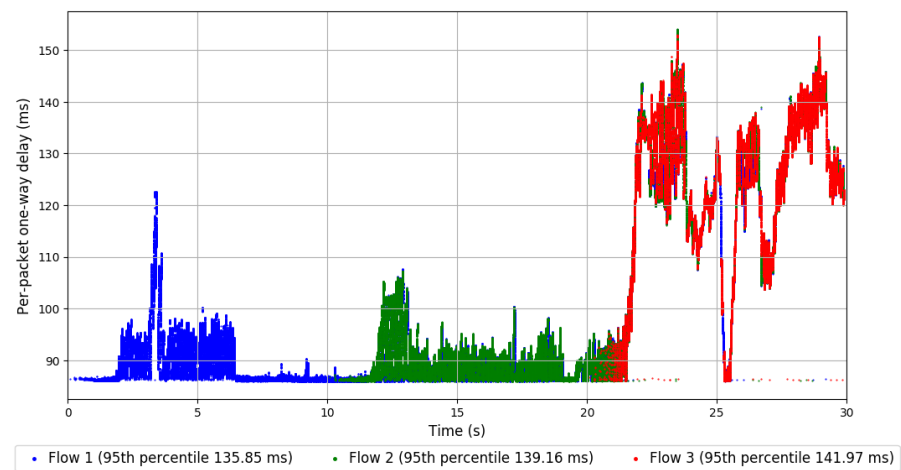
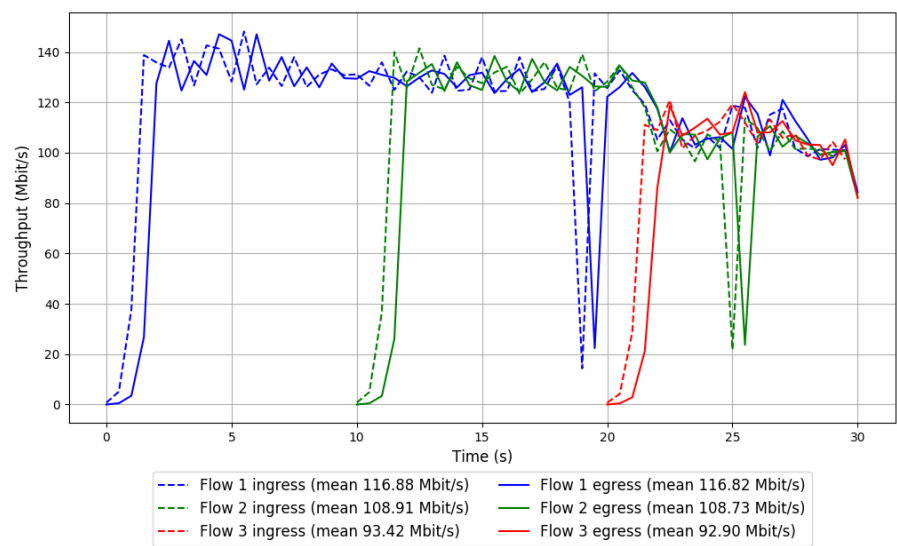


Run 9: Statistics of TCP BBR

Start at: 2018-07-25 05:16:30
End at: 2018-07-25 05:17:00
Local clock offset: 0.027 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2018-07-25 06:15:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 219.59 Mbit/s
95th percentile per-packet one-way delay: 138.973 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 116.82 Mbit/s
95th percentile per-packet one-way delay: 135.853 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 108.73 Mbit/s
95th percentile per-packet one-way delay: 139.160 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 92.90 Mbit/s
95th percentile per-packet one-way delay: 141.967 ms
Loss rate: 2.30%

Run 9: Report of TCP BBR — Data Link

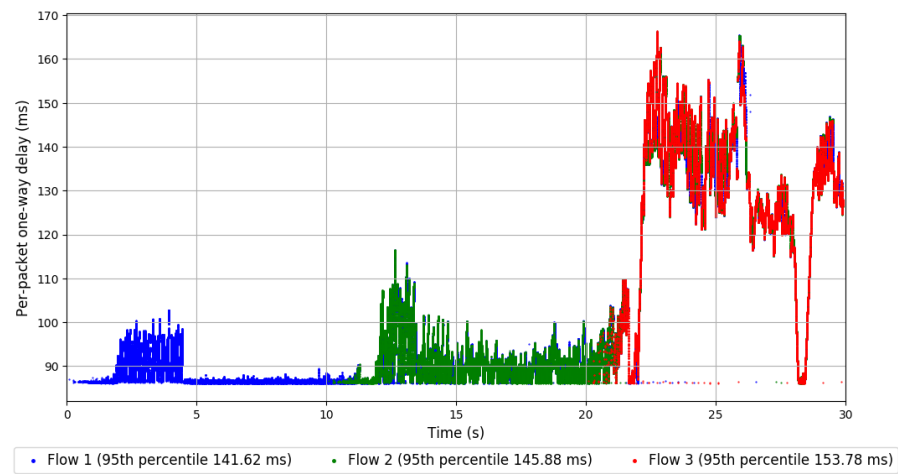
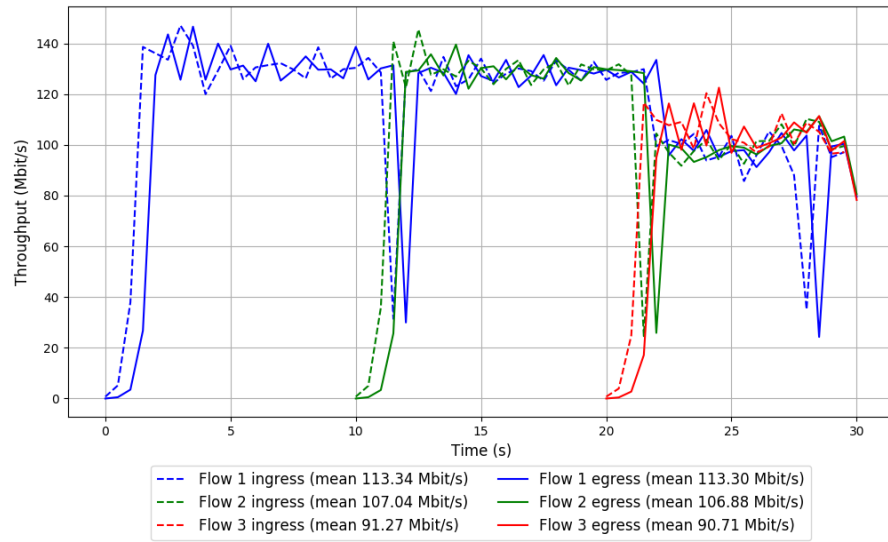


Run 10: Statistics of TCP BBR

Start at: 2018-07-25 05:40:57
End at: 2018-07-25 05:41:27
Local clock offset: 0.161 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-25 06:15:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 214.10 Mbit/s
95th percentile per-packet one-way delay: 146.162 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 113.30 Mbit/s
95th percentile per-packet one-way delay: 141.622 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 106.88 Mbit/s
95th percentile per-packet one-way delay: 145.881 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 90.71 Mbit/s
95th percentile per-packet one-way delay: 153.778 ms
Loss rate: 2.35%

Run 10: Report of TCP BBR — Data Link

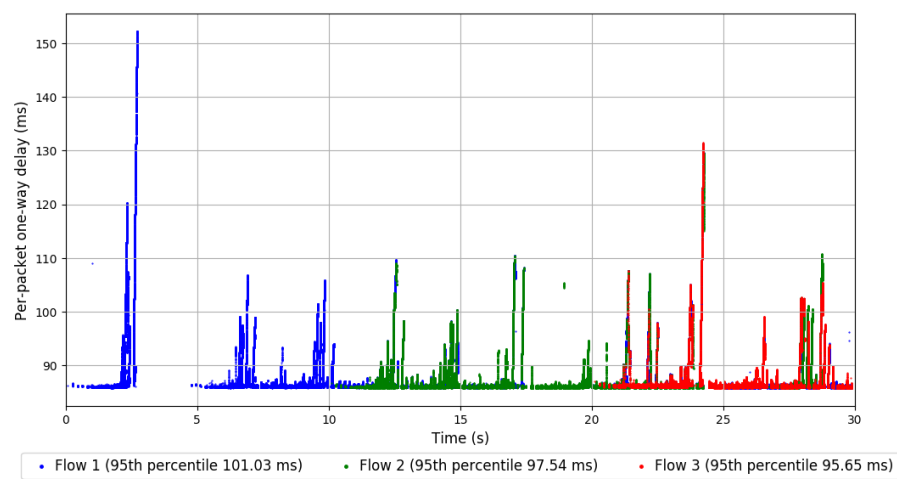
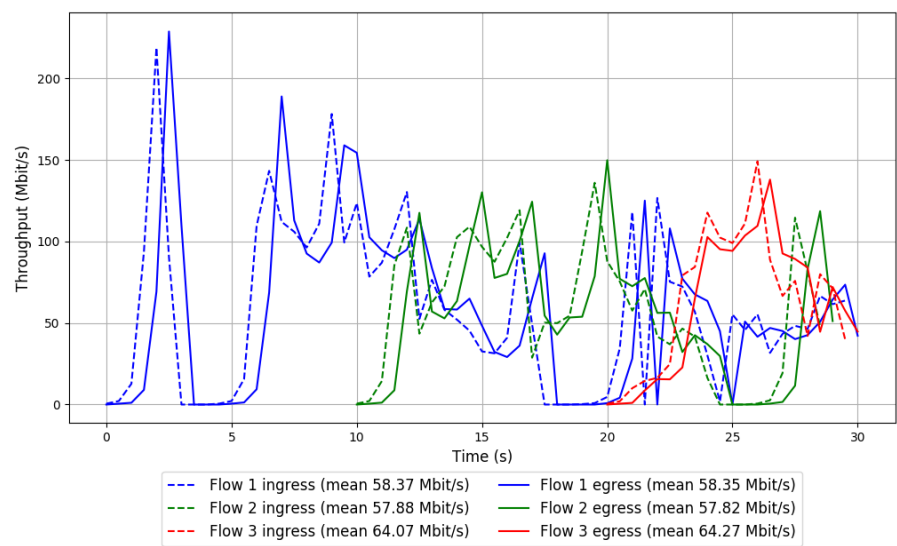


Run 1: Statistics of Copa

Start at: 2018-07-25 02:04:24
End at: 2018-07-25 02:04:54
Local clock offset: 0.094 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-07-25 06:15:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 115.66 Mbit/s
95th percentile per-packet one-way delay: 98.754 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 58.35 Mbit/s
95th percentile per-packet one-way delay: 101.025 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 57.82 Mbit/s
95th percentile per-packet one-way delay: 97.544 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.27 Mbit/s
95th percentile per-packet one-way delay: 95.651 ms
Loss rate: 1.42%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-25 02:28:46

End at: 2018-07-25 02:29:16

Local clock offset: 0.106 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-07-25 06:15:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 115.72 Mbit/s

95th percentile per-packet one-way delay: 94.334 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 63.28 Mbit/s

95th percentile per-packet one-way delay: 94.605 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 57.88 Mbit/s

95th percentile per-packet one-way delay: 92.646 ms

Loss rate: 0.40%

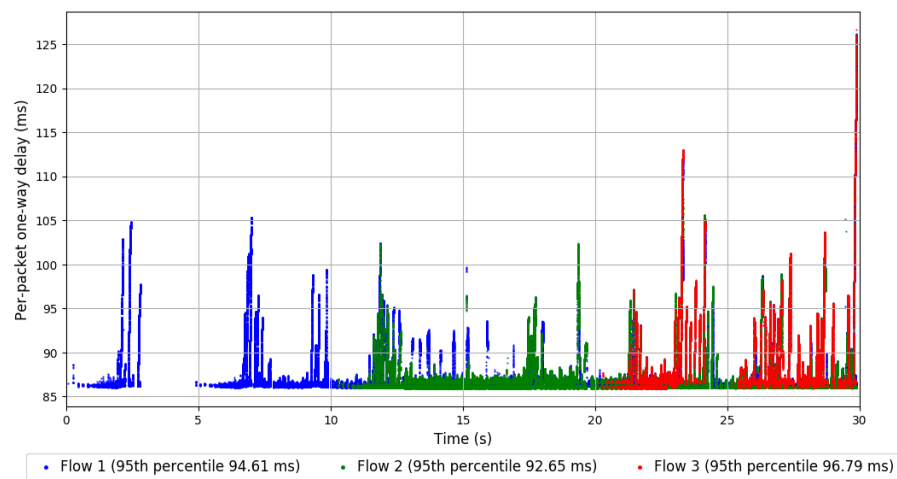
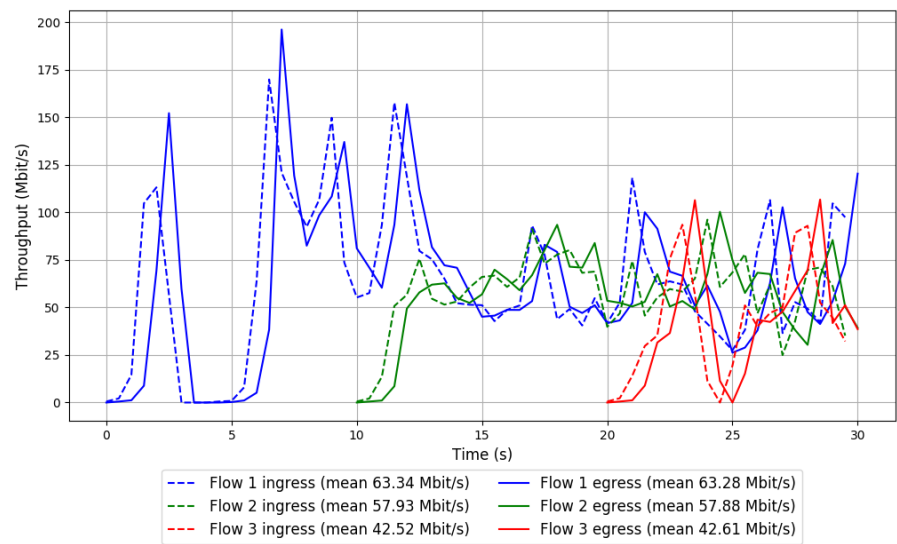
-- Flow 3:

Average throughput: 42.61 Mbit/s

95th percentile per-packet one-way delay: 96.790 ms

Loss rate: 0.44%

Run 2: Report of Copa — Data Link

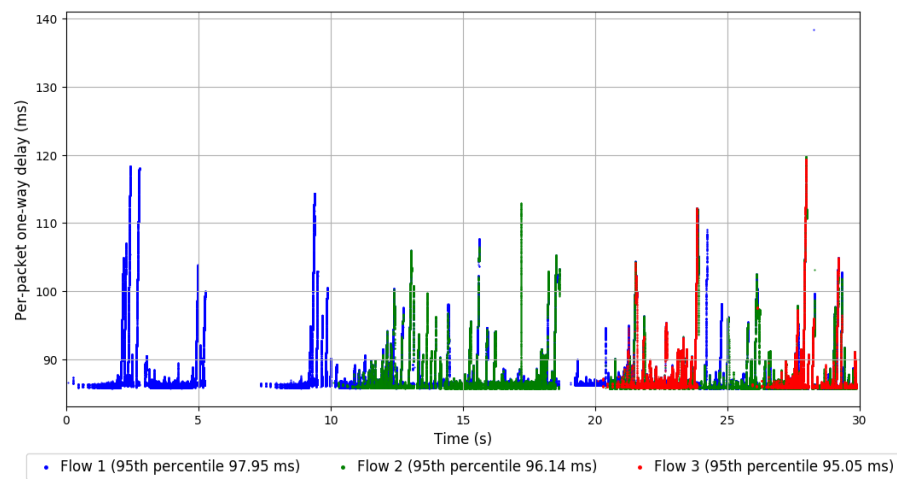
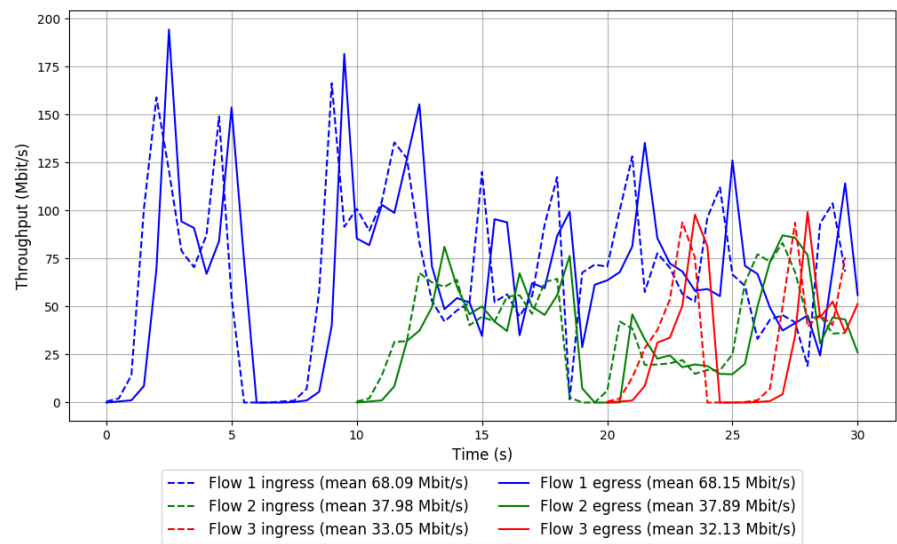


Run 3: Statistics of Copa

Start at: 2018-07-25 02:53:04
End at: 2018-07-25 02:53:34
Local clock offset: -0.117 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-07-25 06:15:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 103.71 Mbit/s
95th percentile per-packet one-way delay: 97.243 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 68.15 Mbit/s
95th percentile per-packet one-way delay: 97.952 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 37.89 Mbit/s
95th percentile per-packet one-way delay: 96.141 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 32.13 Mbit/s
95th percentile per-packet one-way delay: 95.052 ms
Loss rate: 4.46%

Run 3: Report of Copa — Data Link

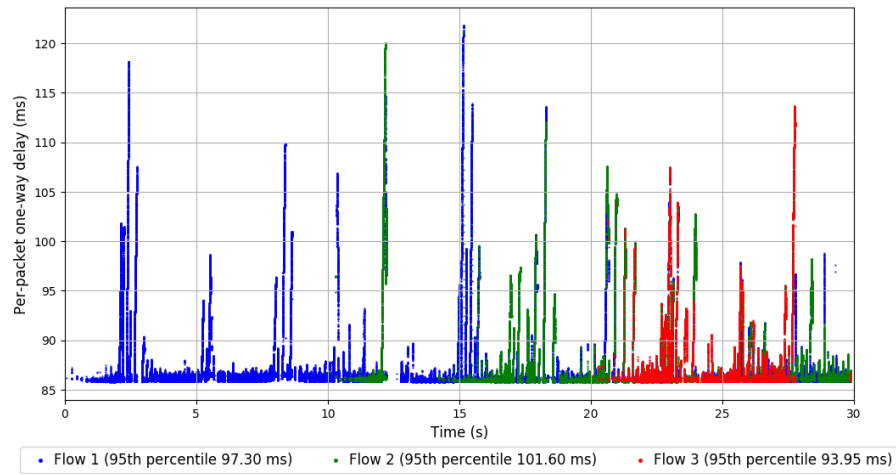
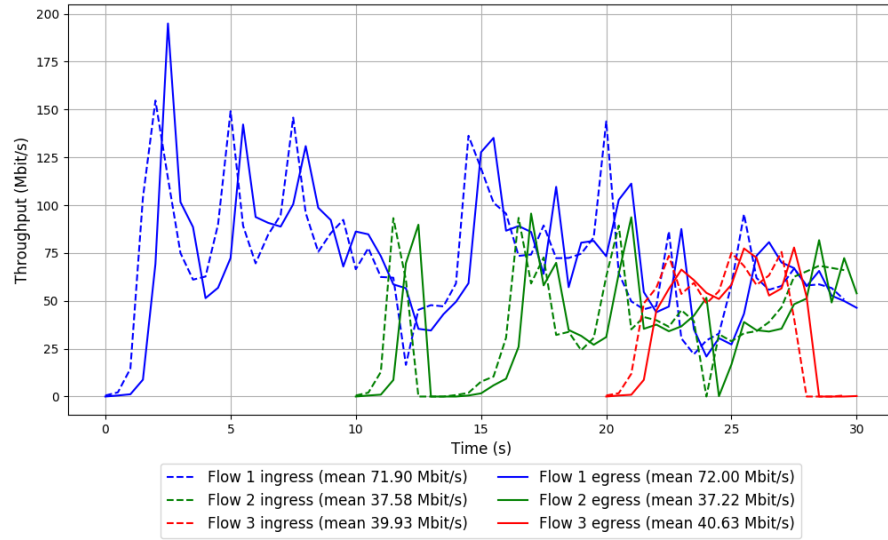


Run 4: Statistics of Copa

Start at: 2018-07-25 03:17:35
End at: 2018-07-25 03:18:05
Local clock offset: -0.034 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-07-25 06:15:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 110.00 Mbit/s
95th percentile per-packet one-way delay: 98.064 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 72.00 Mbit/s
95th percentile per-packet one-way delay: 97.295 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 37.22 Mbit/s
95th percentile per-packet one-way delay: 101.596 ms
Loss rate: 1.83%
-- Flow 3:
Average throughput: 40.63 Mbit/s
95th percentile per-packet one-way delay: 93.949 ms
Loss rate: 0.04%

Run 4: Report of Copa — Data Link

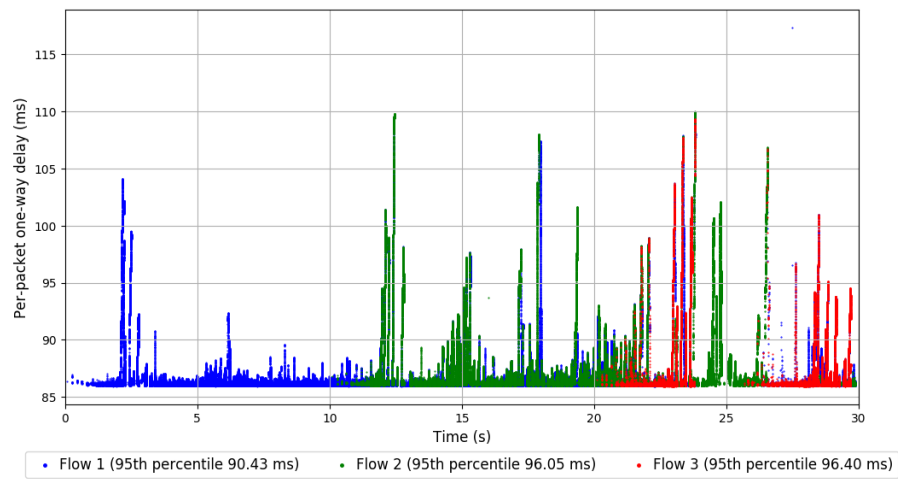
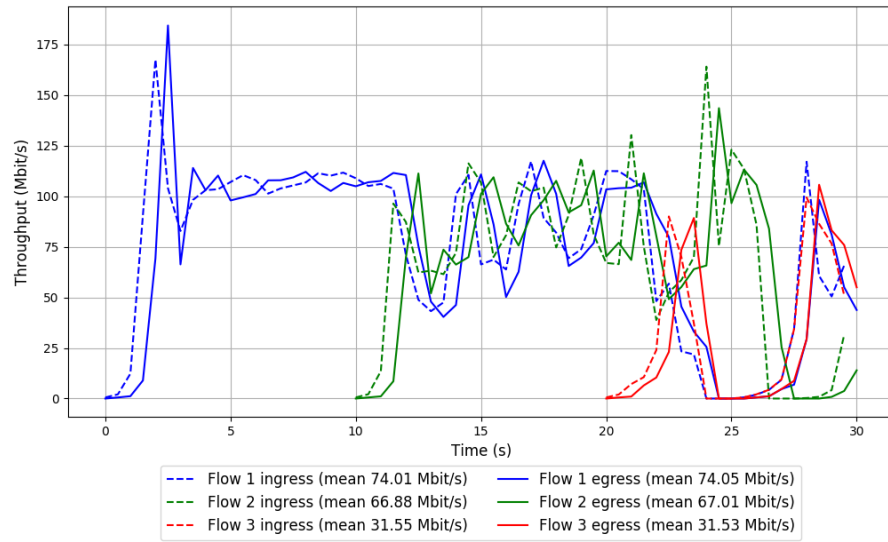


Run 5: Statistics of Copa

Start at: 2018-07-25 03:42:05
End at: 2018-07-25 03:42:35
Local clock offset: 0.053 ms
Remote clock offset: -0.182 ms

Below is generated by plot.py at 2018-07-25 06:16:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 128.69 Mbit/s
95th percentile per-packet one-way delay: 93.702 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 74.05 Mbit/s
95th percentile per-packet one-way delay: 90.431 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 67.01 Mbit/s
95th percentile per-packet one-way delay: 96.049 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 31.53 Mbit/s
95th percentile per-packet one-way delay: 96.399 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

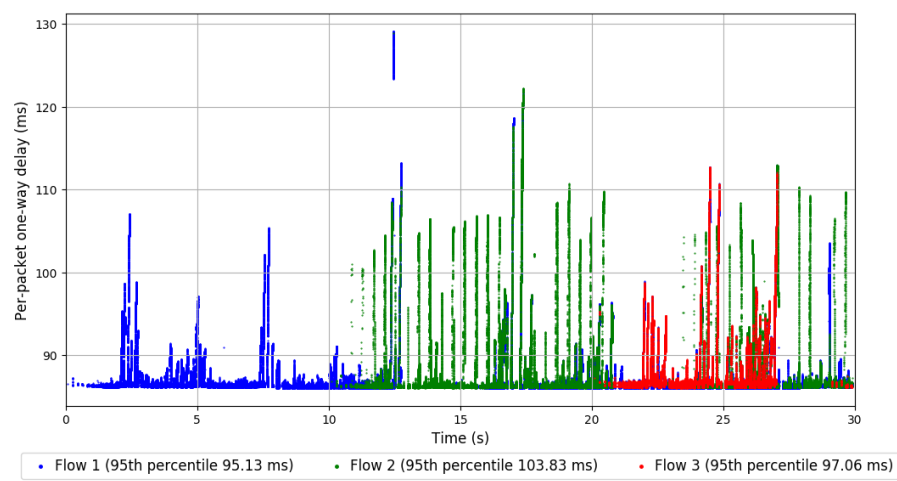
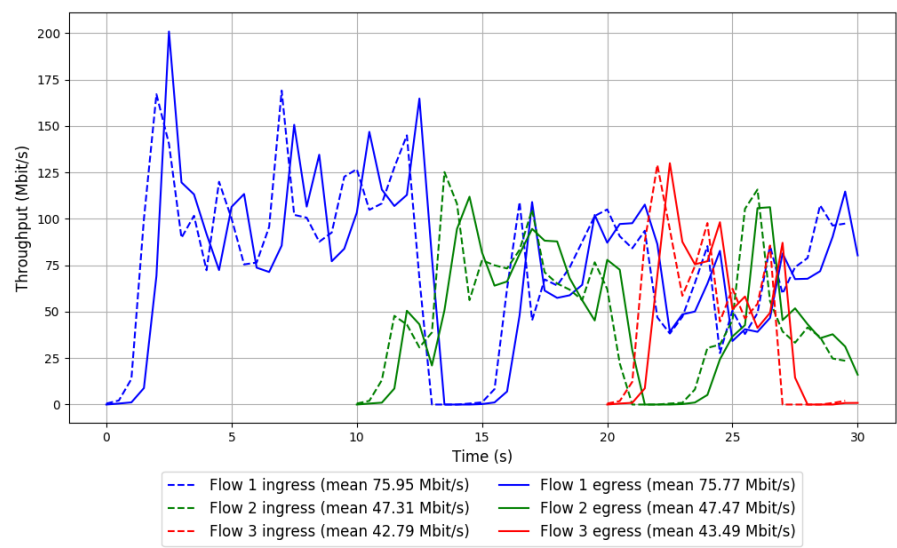


Run 6: Statistics of Copa

Start at: 2018-07-25 04:06:11
End at: 2018-07-25 04:06:41
Local clock offset: 0.156 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-07-25 06:16:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 121.57 Mbit/s
95th percentile per-packet one-way delay: 97.523 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 75.77 Mbit/s
95th percentile per-packet one-way delay: 95.126 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 47.47 Mbit/s
95th percentile per-packet one-way delay: 103.833 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 43.49 Mbit/s
95th percentile per-packet one-way delay: 97.055 ms
Loss rate: 0.14%

Run 6: Report of Copa — Data Link

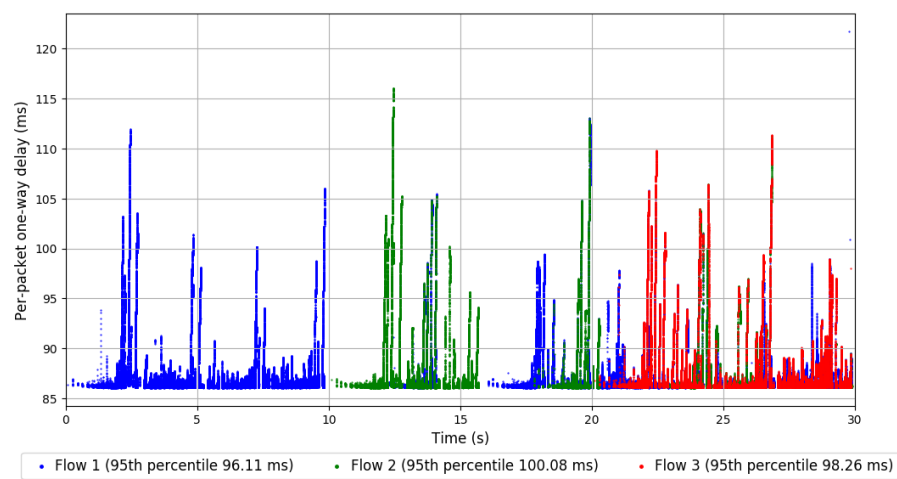
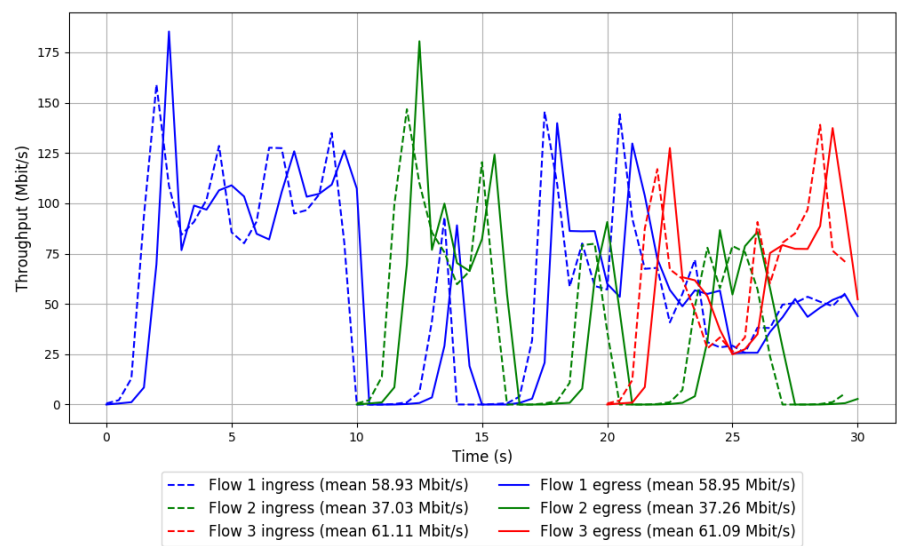


Run 7: Statistics of Copa

Start at: 2018-07-25 04:30:35
End at: 2018-07-25 04:31:05
Local clock offset: -0.018 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-25 06:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 103.73 Mbit/s
95th percentile per-packet one-way delay: 97.365 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 58.95 Mbit/s
95th percentile per-packet one-way delay: 96.106 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 37.26 Mbit/s
95th percentile per-packet one-way delay: 100.081 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 61.09 Mbit/s
95th percentile per-packet one-way delay: 98.262 ms
Loss rate: 1.78%

Run 7: Report of Copa — Data Link

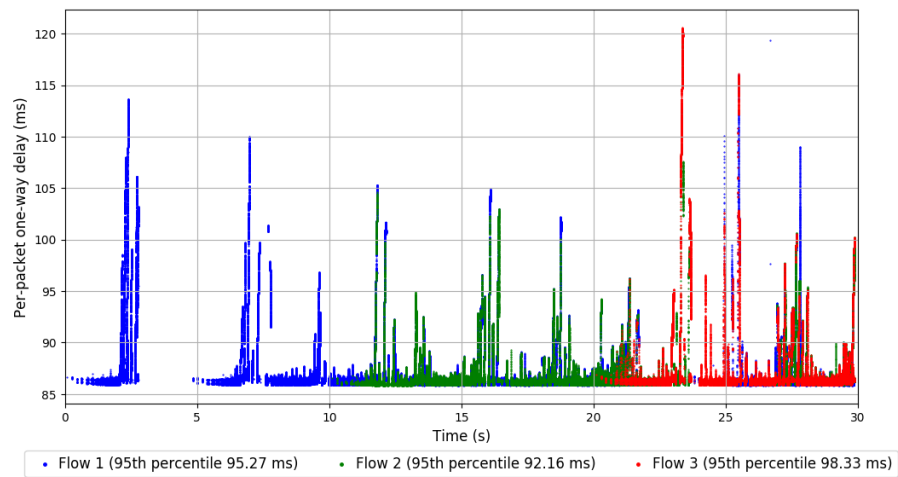
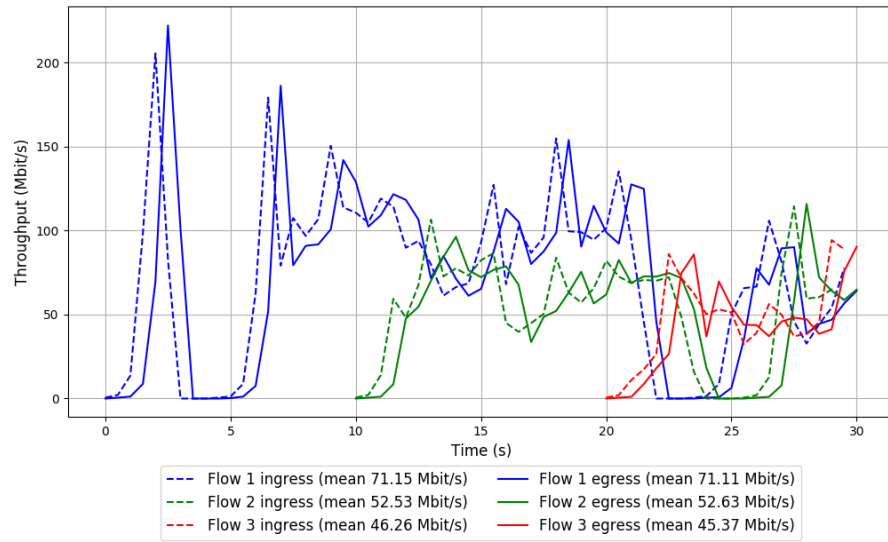


Run 8: Statistics of Copa

Start at: 2018-07-25 04:55:15
End at: 2018-07-25 04:55:45
Local clock offset: -0.273 ms
Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-25 06:20:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 120.89 Mbit/s
95th percentile per-packet one-way delay: 94.426 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 71.11 Mbit/s
95th percentile per-packet one-way delay: 95.274 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 52.63 Mbit/s
95th percentile per-packet one-way delay: 92.159 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 45.37 Mbit/s
95th percentile per-packet one-way delay: 98.327 ms
Loss rate: 2.87%

Run 8: Report of Copa — Data Link

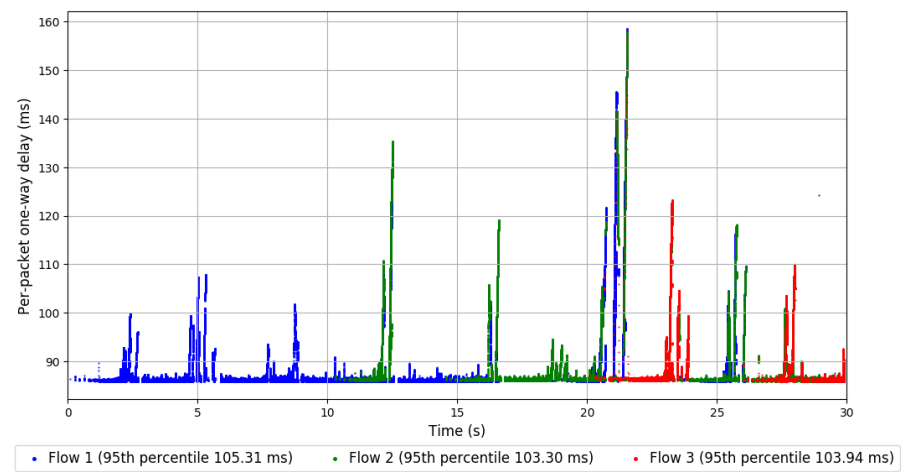
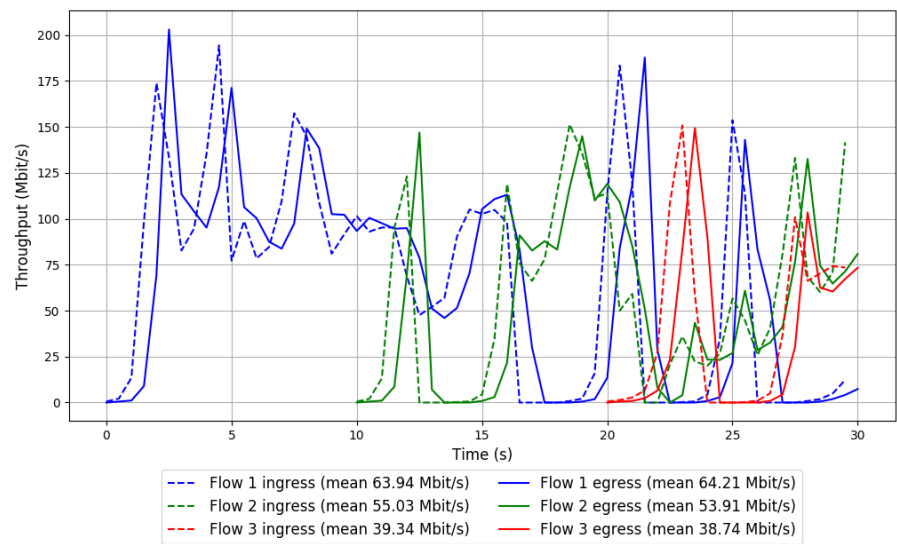


Run 9: Statistics of Copa

Start at: 2018-07-25 05:19:23
End at: 2018-07-25 05:19:53
Local clock offset: 0.07 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-07-25 06:20:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 112.71 Mbit/s
95th percentile per-packet one-way delay: 104.524 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 64.21 Mbit/s
95th percentile per-packet one-way delay: 105.308 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 53.91 Mbit/s
95th percentile per-packet one-way delay: 103.301 ms
Loss rate: 2.90%
-- Flow 3:
Average throughput: 38.74 Mbit/s
95th percentile per-packet one-way delay: 103.942 ms
Loss rate: 3.24%

Run 9: Report of Copa — Data Link

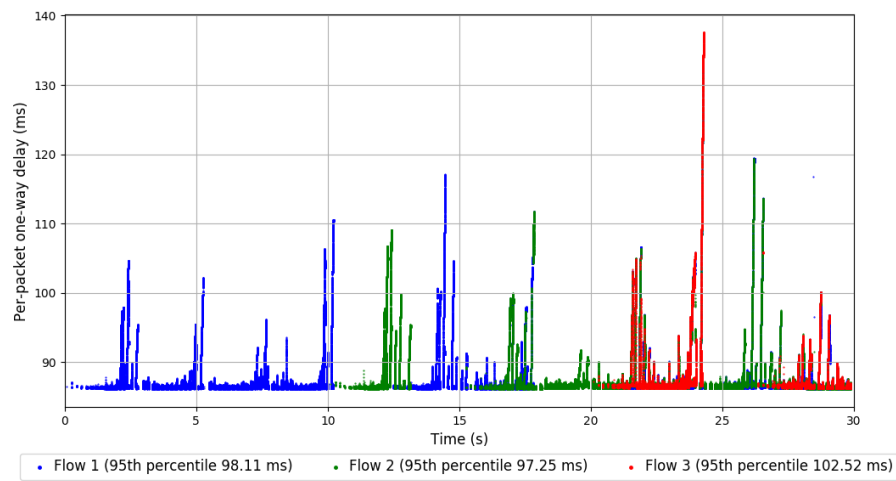
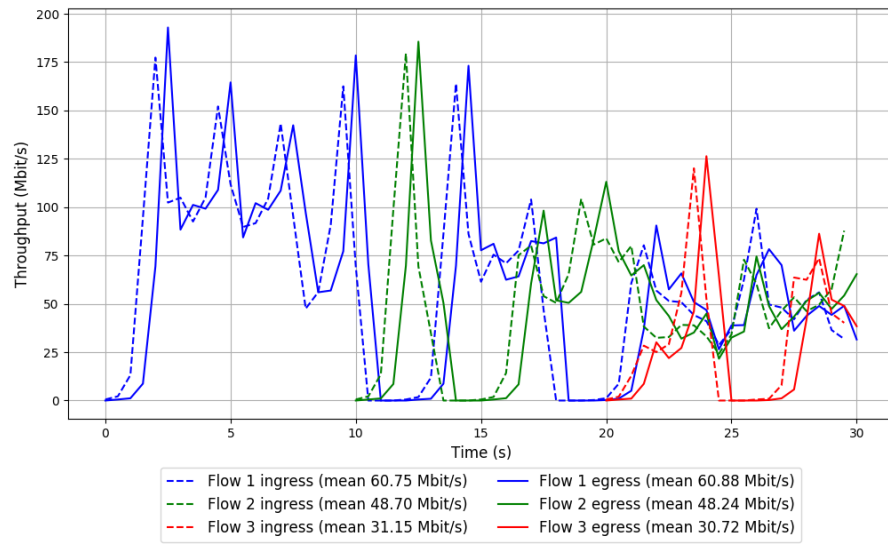


Run 10: Statistics of Copa

Start at: 2018-07-25 05:43:50
End at: 2018-07-25 05:44:20
Local clock offset: 0.307 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-25 06:20:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 102.83 Mbit/s
95th percentile per-packet one-way delay: 98.533 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 60.88 Mbit/s
95th percentile per-packet one-way delay: 98.113 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 48.24 Mbit/s
95th percentile per-packet one-way delay: 97.255 ms
Loss rate: 1.81%
-- Flow 3:
Average throughput: 30.72 Mbit/s
95th percentile per-packet one-way delay: 102.523 ms
Loss rate: 3.11%

Run 10: Report of Copa — Data Link

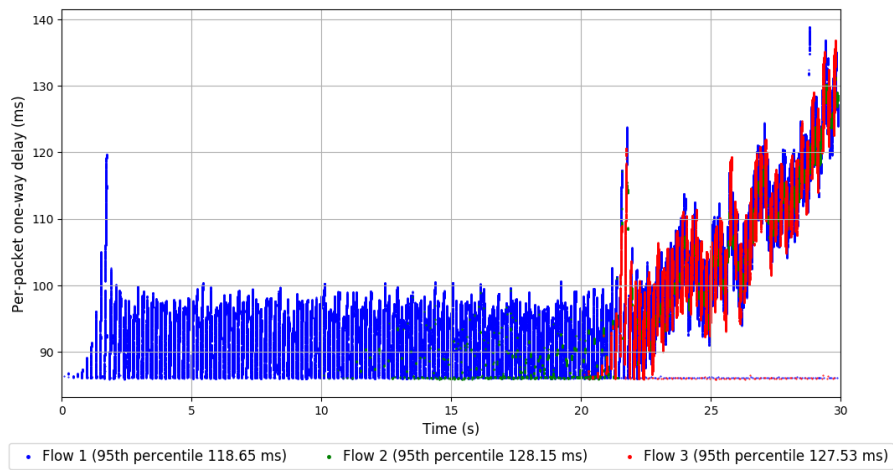
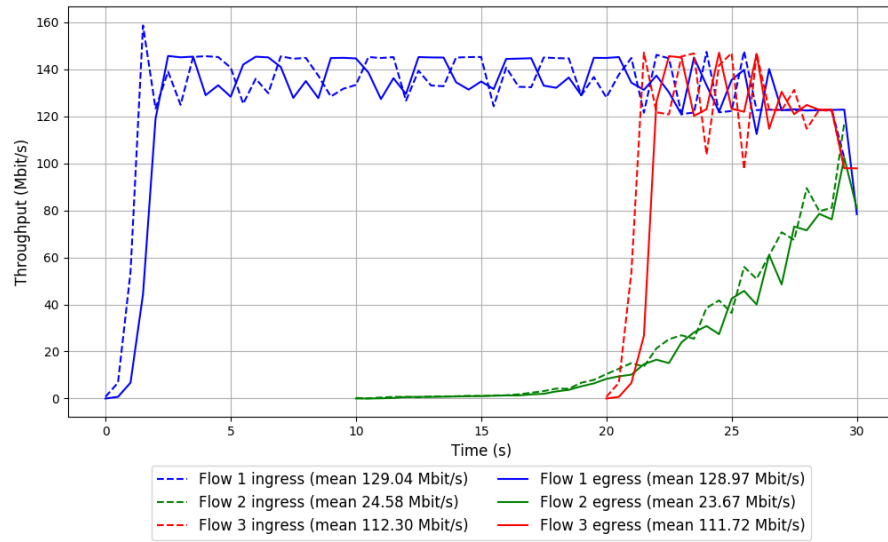


Run 1: Statistics of TCP Cubic

Start at: 2018-07-25 01:57:34
End at: 2018-07-25 01:58:04
Local clock offset: 0.039 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-25 06:20:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 180.99 Mbit/s
95th percentile per-packet one-way delay: 123.036 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 128.97 Mbit/s
95th percentile per-packet one-way delay: 118.653 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 23.67 Mbit/s
95th percentile per-packet one-way delay: 128.147 ms
Loss rate: 4.52%
-- Flow 3:
Average throughput: 111.72 Mbit/s
95th percentile per-packet one-way delay: 127.532 ms
Loss rate: 2.21%

Run 1: Report of TCP Cubic — Data Link

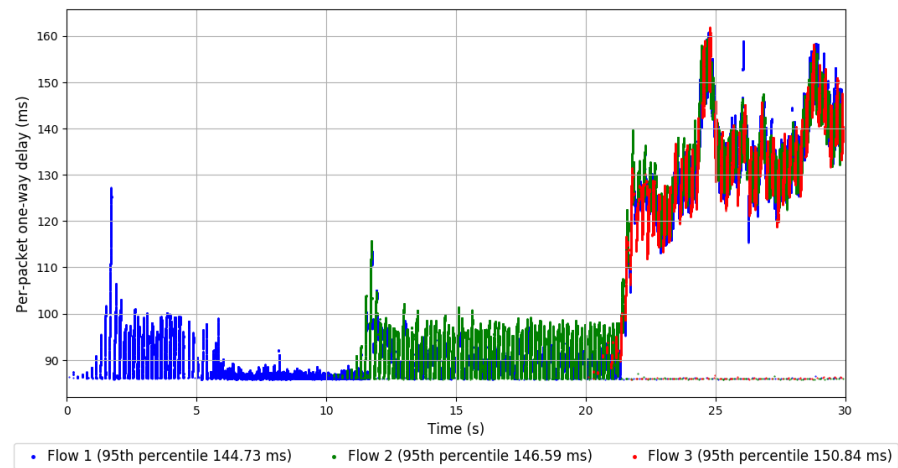
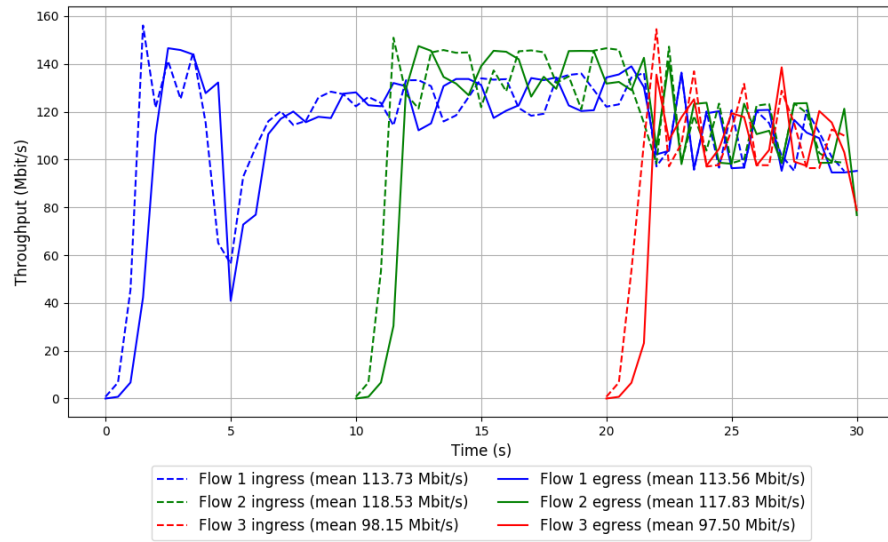


Run 2: Statistics of TCP Cubic

Start at: 2018-07-25 02:21:50
End at: 2018-07-25 02:22:20
Local clock offset: -0.051 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-07-25 06:21:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 223.59 Mbit/s
95th percentile per-packet one-way delay: 146.811 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 113.56 Mbit/s
95th percentile per-packet one-way delay: 144.728 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 117.83 Mbit/s
95th percentile per-packet one-way delay: 146.594 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 97.50 Mbit/s
95th percentile per-packet one-way delay: 150.838 ms
Loss rate: 2.38%

Run 2: Report of TCP Cubic — Data Link

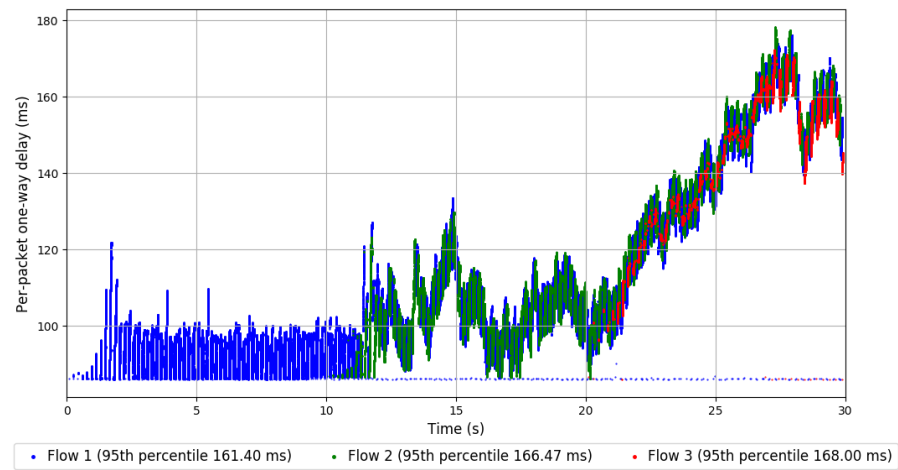
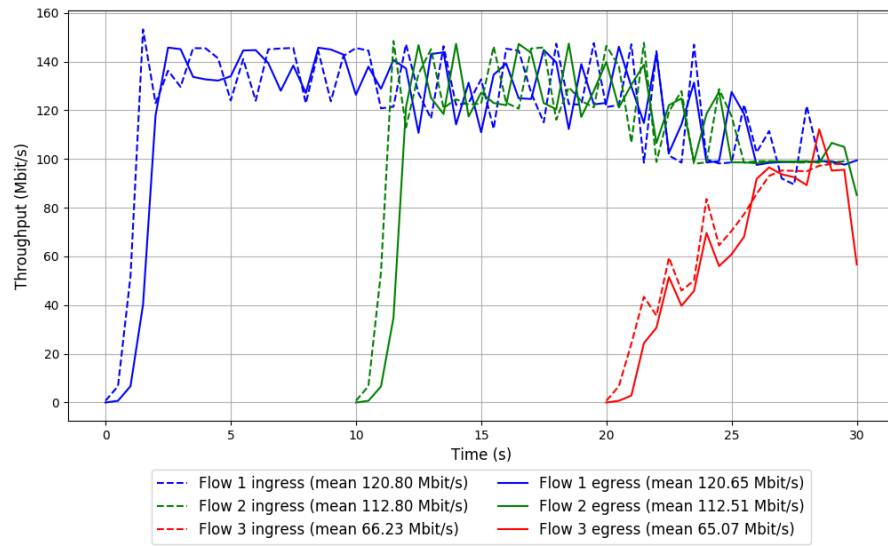


Run 3: Statistics of TCP Cubic

Start at: 2018-07-25 02:46:09
End at: 2018-07-25 02:46:39
Local clock offset: -0.058 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-07-25 06:21:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 216.33 Mbit/s
95th percentile per-packet one-way delay: 164.796 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 120.65 Mbit/s
95th percentile per-packet one-way delay: 161.404 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 112.51 Mbit/s
95th percentile per-packet one-way delay: 166.467 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 65.07 Mbit/s
95th percentile per-packet one-way delay: 168.005 ms
Loss rate: 3.46%

Run 3: Report of TCP Cubic — Data Link

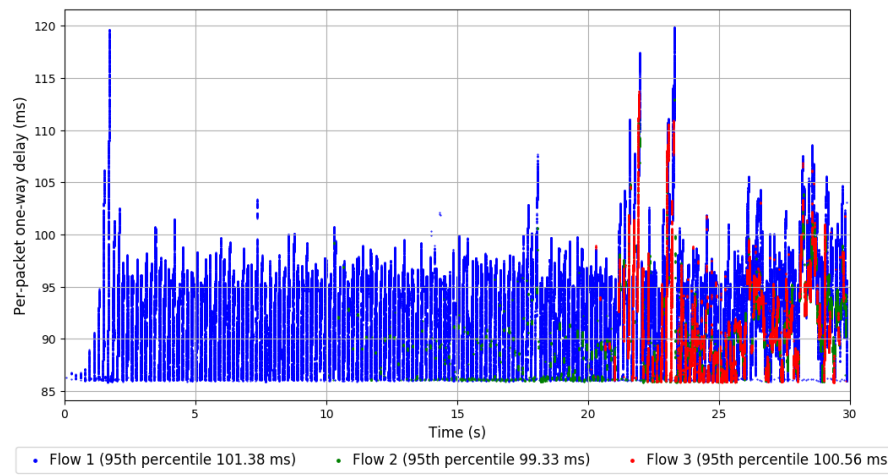
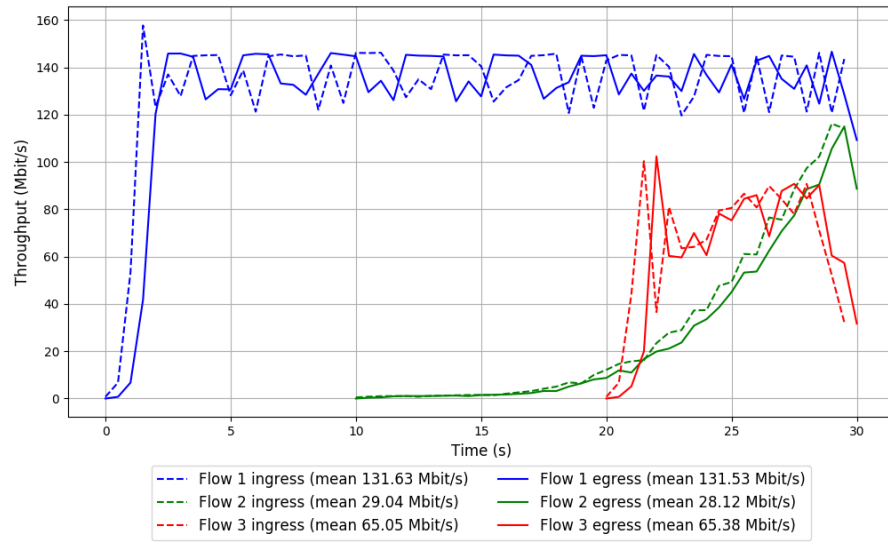


Run 4: Statistics of TCP Cubic

Start at: 2018-07-25 03:10:42
End at: 2018-07-25 03:11:12
Local clock offset: -0.05 ms
Remote clock offset: -0.168 ms

Below is generated by plot.py at 2018-07-25 06:21:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 171.53 Mbit/s
95th percentile per-packet one-way delay: 100.972 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 131.53 Mbit/s
95th percentile per-packet one-way delay: 101.378 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 28.12 Mbit/s
95th percentile per-packet one-way delay: 99.327 ms
Loss rate: 4.02%
-- Flow 3:
Average throughput: 65.38 Mbit/s
95th percentile per-packet one-way delay: 100.561 ms
Loss rate: 1.26%

Run 4: Report of TCP Cubic — Data Link

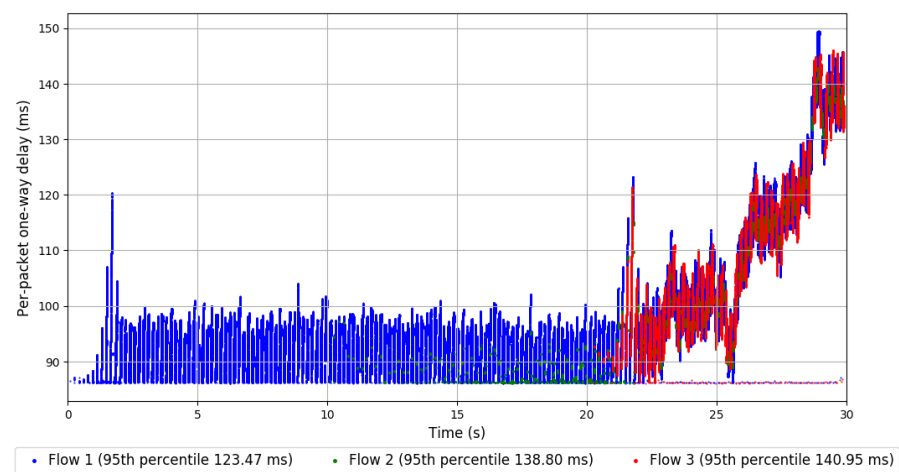
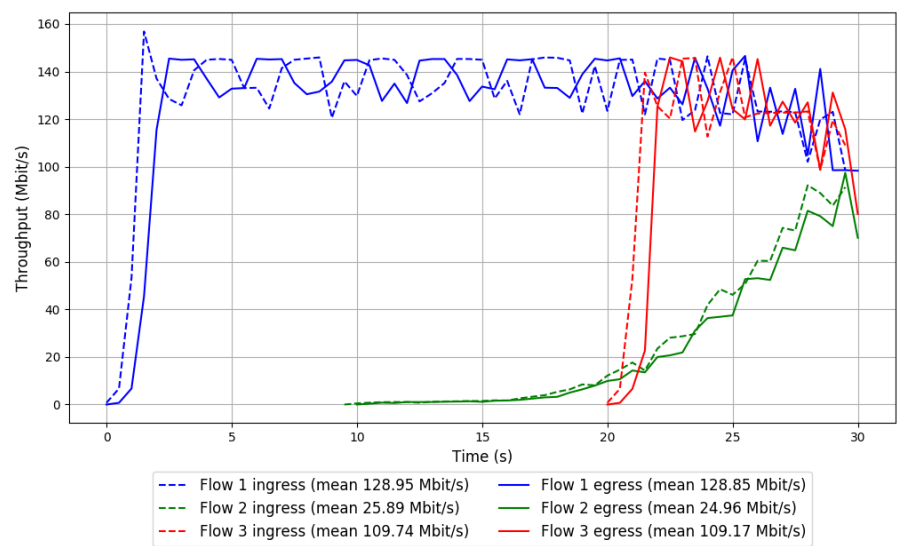


Run 5: Statistics of TCP Cubic

Start at: 2018-07-25 03:35:12
End at: 2018-07-25 03:35:42
Local clock offset: 0.081 ms
Remote clock offset: -0.209 ms

Below is generated by plot.py at 2018-07-25 06:23:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 181.07 Mbit/s
95th percentile per-packet one-way delay: 136.380 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 128.85 Mbit/s
95th percentile per-packet one-way delay: 123.472 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 24.96 Mbit/s
95th percentile per-packet one-way delay: 138.796 ms
Loss rate: 4.40%
-- Flow 3:
Average throughput: 109.17 Mbit/s
95th percentile per-packet one-way delay: 140.954 ms
Loss rate: 2.25%

Run 5: Report of TCP Cubic — Data Link

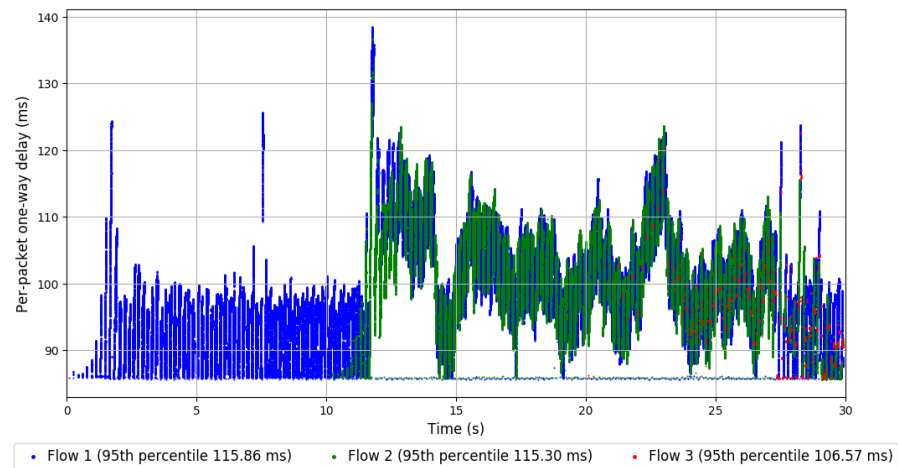
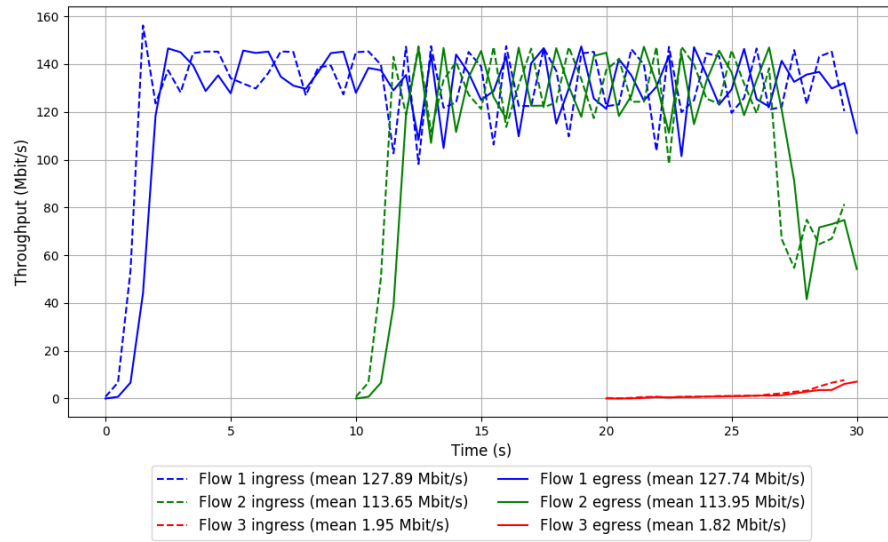


Run 6: Statistics of TCP Cubic

Start at: 2018-07-25 03:59:16
End at: 2018-07-25 03:59:46
Local clock offset: -0.219 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-25 06:24:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 204.02 Mbit/s
95th percentile per-packet one-way delay: 115.690 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 127.74 Mbit/s
95th percentile per-packet one-way delay: 115.862 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 113.95 Mbit/s
95th percentile per-packet one-way delay: 115.296 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 106.570 ms
Loss rate: 8.30%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-25 04:23:38

End at: 2018-07-25 04:24:08

Local clock offset: -0.084 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-07-25 06:25:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 230.77 Mbit/s

95th percentile per-packet one-way delay: 128.426 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 128.26 Mbit/s

95th percentile per-packet one-way delay: 127.288 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 112.05 Mbit/s

95th percentile per-packet one-way delay: 128.418 ms

Loss rate: 0.63%

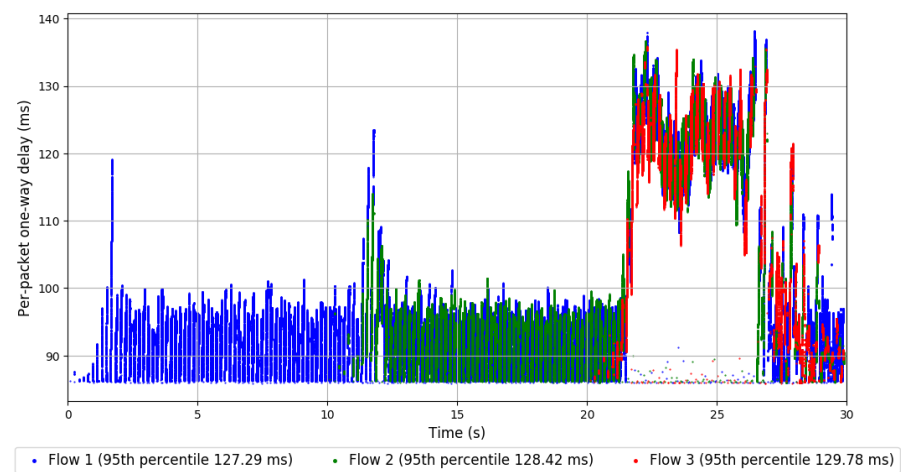
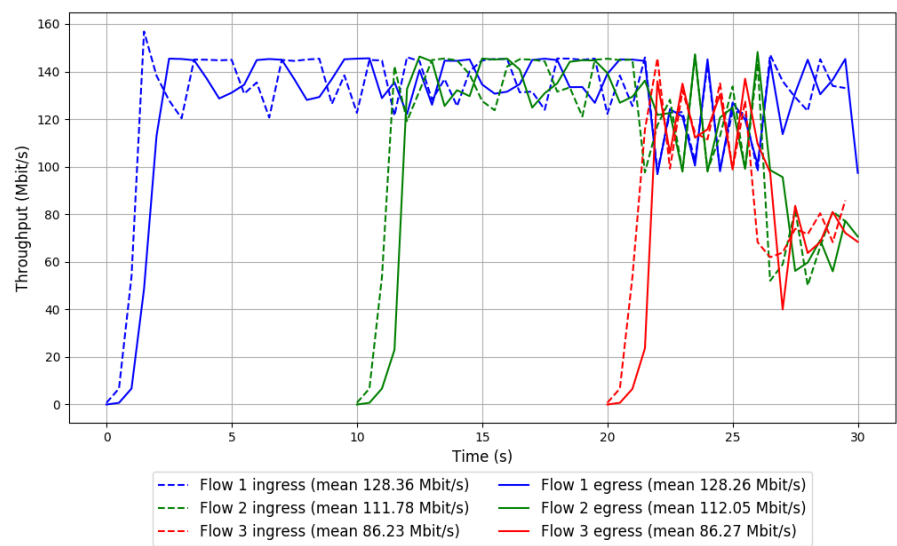
-- Flow 3:

Average throughput: 86.27 Mbit/s

95th percentile per-packet one-way delay: 129.783 ms

Loss rate: 1.68%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-25 04:48:21

End at: 2018-07-25 04:48:51

Local clock offset: -0.183 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-07-25 06:25:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 217.64 Mbit/s

95th percentile per-packet one-way delay: 99.513 ms

Loss rate: 0.80%

-- Flow 1:

Average throughput: 131.33 Mbit/s

95th percentile per-packet one-way delay: 99.827 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 128.79 Mbit/s

95th percentile per-packet one-way delay: 99.015 ms

Loss rate: 0.94%

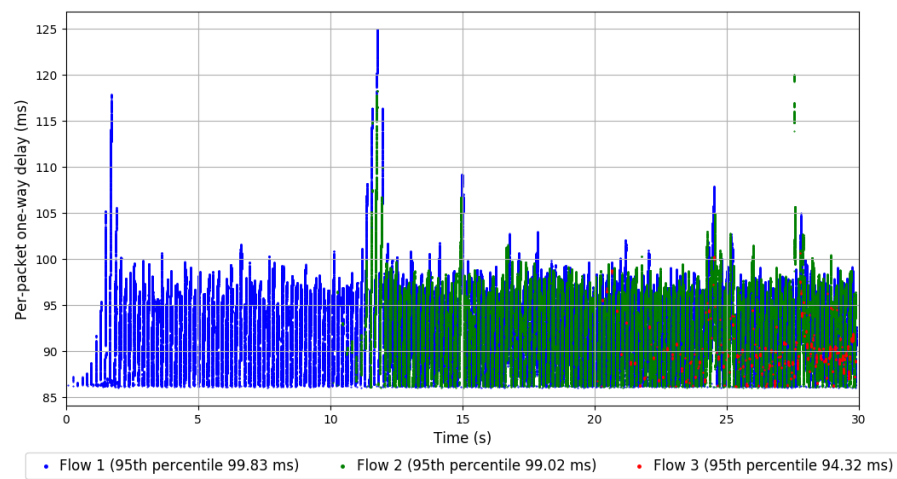
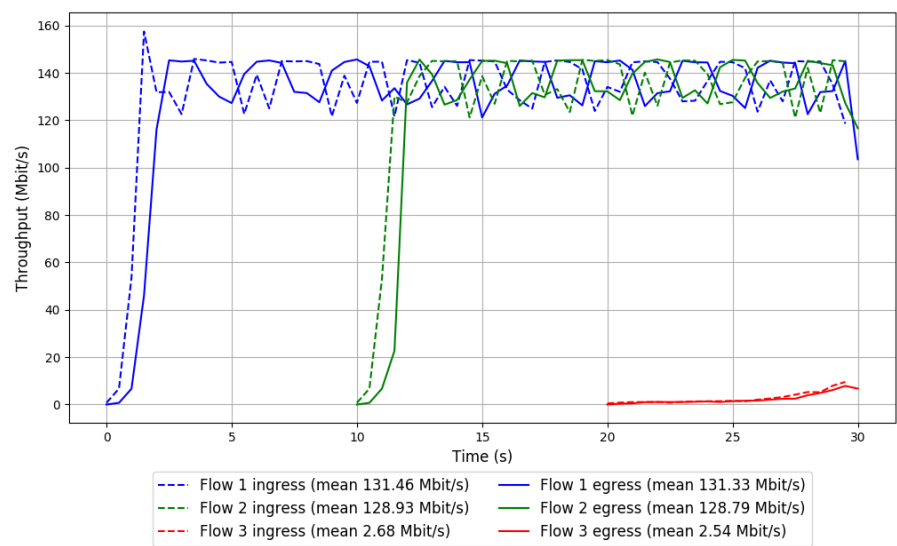
-- Flow 3:

Average throughput: 2.54 Mbit/s

95th percentile per-packet one-way delay: 94.320 ms

Loss rate: 6.87%

Run 8: Report of TCP Cubic — Data Link

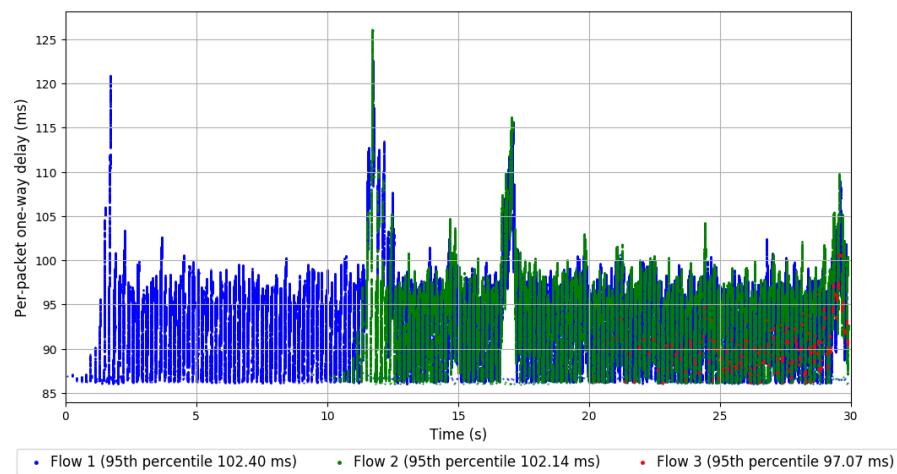
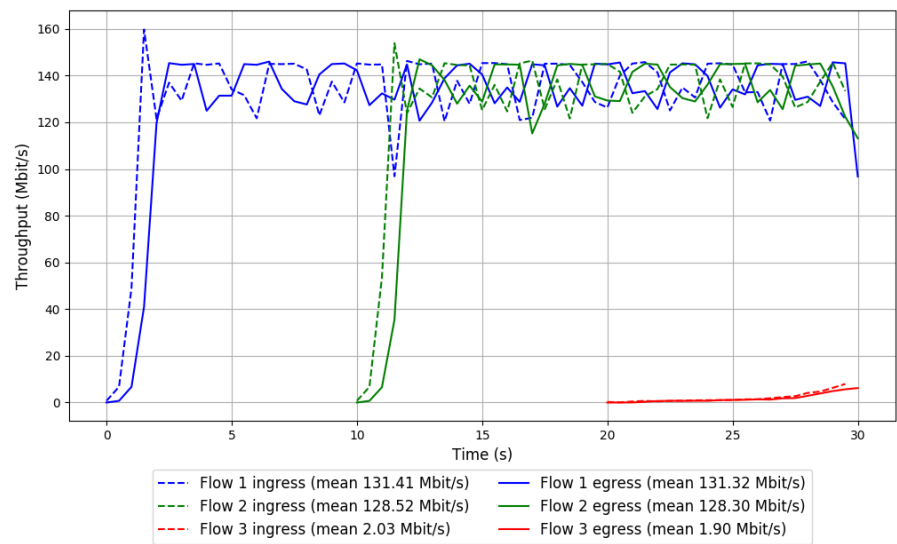


Run 9: Statistics of TCP Cubic

Start at: 2018-07-25 05:12:29
End at: 2018-07-25 05:12:59
Local clock offset: 0.054 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-07-25 06:25:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 216.87 Mbit/s
95th percentile per-packet one-way delay: 102.270 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 131.32 Mbit/s
95th percentile per-packet one-way delay: 102.403 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 128.30 Mbit/s
95th percentile per-packet one-way delay: 102.142 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 97.068 ms
Loss rate: 7.97%

Run 9: Report of TCP Cubic — Data Link

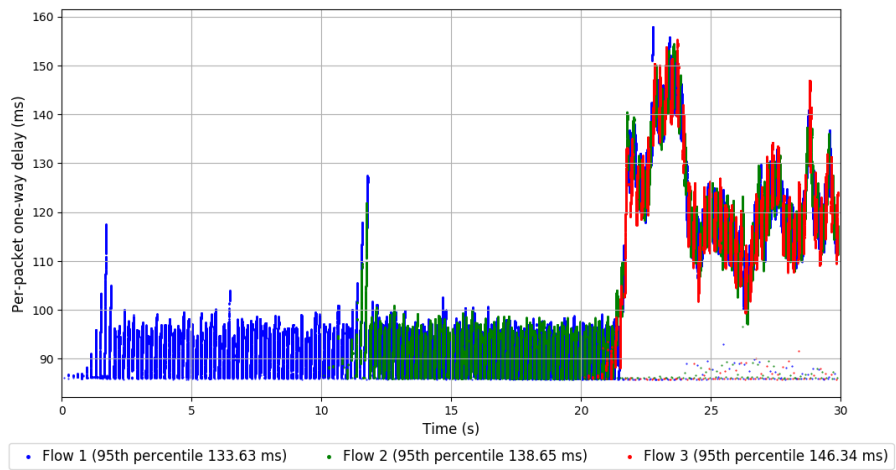
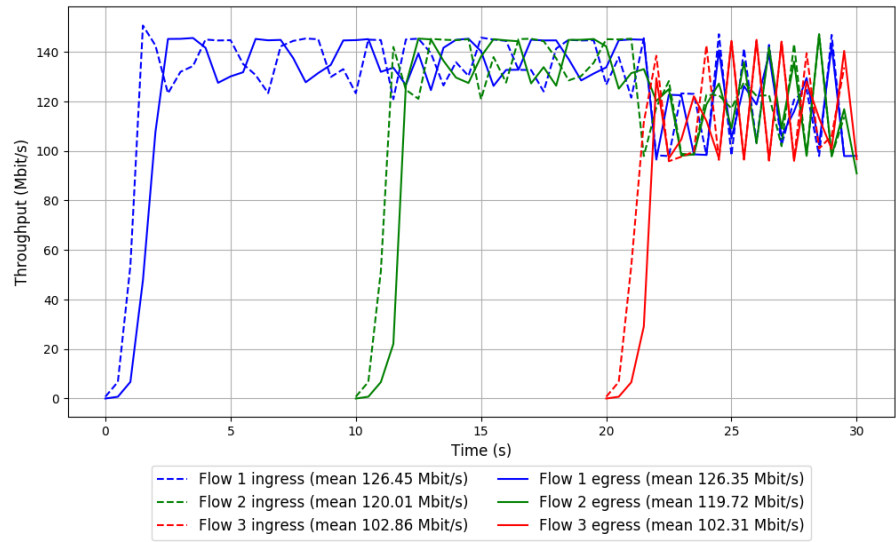


Run 10: Statistics of TCP Cubic

Start at: 2018-07-25 05:36:51
End at: 2018-07-25 05:37:21
Local clock offset: -0.085 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-07-25 06:25:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 239.03 Mbit/s
95th percentile per-packet one-way delay: 139.229 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 126.35 Mbit/s
95th percentile per-packet one-way delay: 133.633 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 119.72 Mbit/s
95th percentile per-packet one-way delay: 138.651 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 102.31 Mbit/s
95th percentile per-packet one-way delay: 146.342 ms
Loss rate: 2.26%

Run 10: Report of TCP Cubic — Data Link

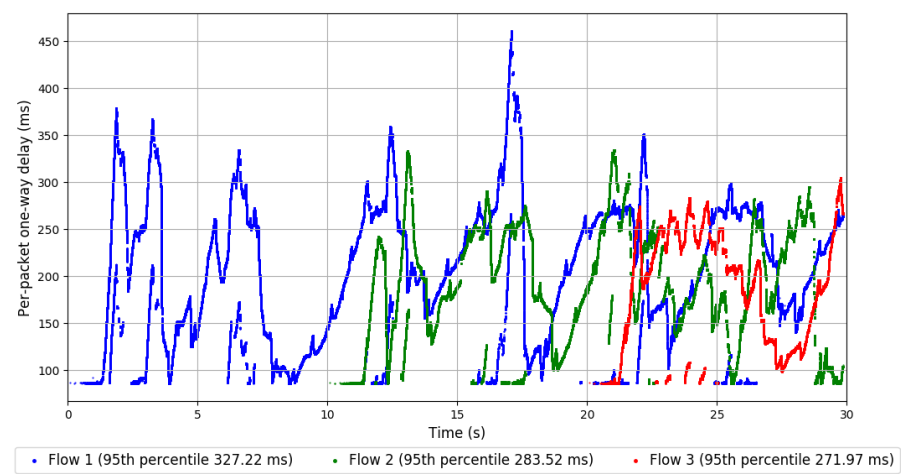
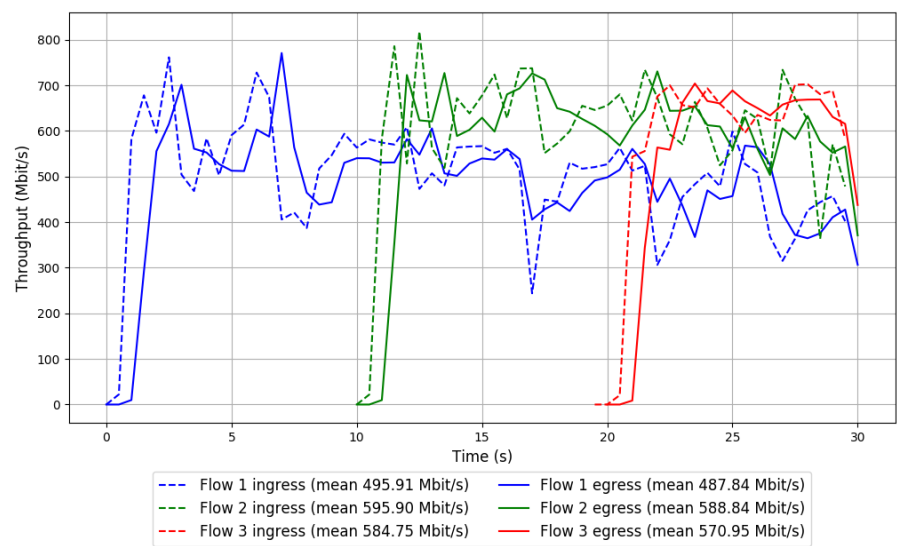


Run 1: Statistics of FillP

Start at: 2018-07-25 02:11:07
End at: 2018-07-25 02:11:37
Local clock offset: -0.012 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-07-25 06:49:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 1066.04 Mbit/s
95th percentile per-packet one-way delay: 300.874 ms
Loss rate: 2.47%
-- Flow 1:
Average throughput: 487.84 Mbit/s
95th percentile per-packet one-way delay: 327.221 ms
Loss rate: 2.20%
-- Flow 2:
Average throughput: 588.84 Mbit/s
95th percentile per-packet one-way delay: 283.524 ms
Loss rate: 2.04%
-- Flow 3:
Average throughput: 570.95 Mbit/s
95th percentile per-packet one-way delay: 271.967 ms
Loss rate: 4.06%

Run 1: Report of FillP — Data Link

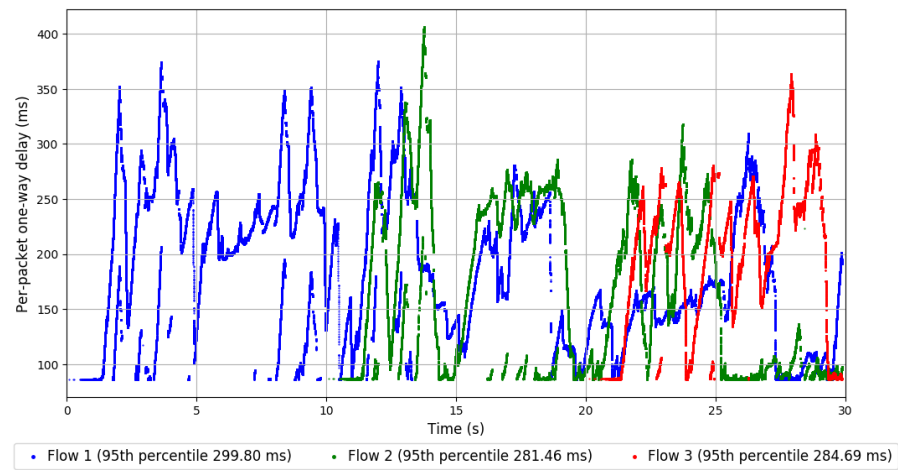
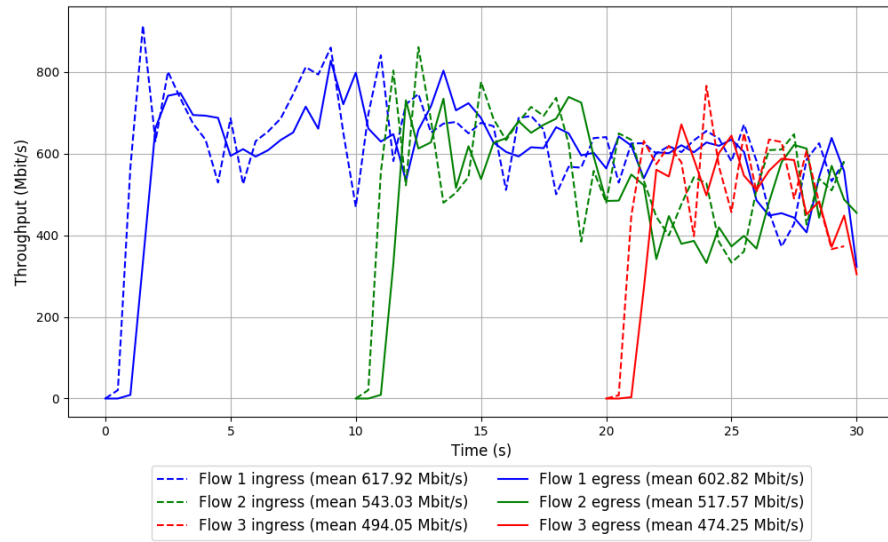


Run 2: Statistics of FillP

Start at: 2018-07-25 02:35:33
End at: 2018-07-25 02:36:03
Local clock offset: -0.009 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-07-25 06:51:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 1101.26 Mbit/s
95th percentile per-packet one-way delay: 295.715 ms
Loss rate: 4.18%
-- Flow 1:
Average throughput: 602.82 Mbit/s
95th percentile per-packet one-way delay: 299.798 ms
Loss rate: 3.00%
-- Flow 2:
Average throughput: 517.57 Mbit/s
95th percentile per-packet one-way delay: 281.457 ms
Loss rate: 5.52%
-- Flow 3:
Average throughput: 474.25 Mbit/s
95th percentile per-packet one-way delay: 284.685 ms
Loss rate: 5.72%

Run 2: Report of FillP — Data Link

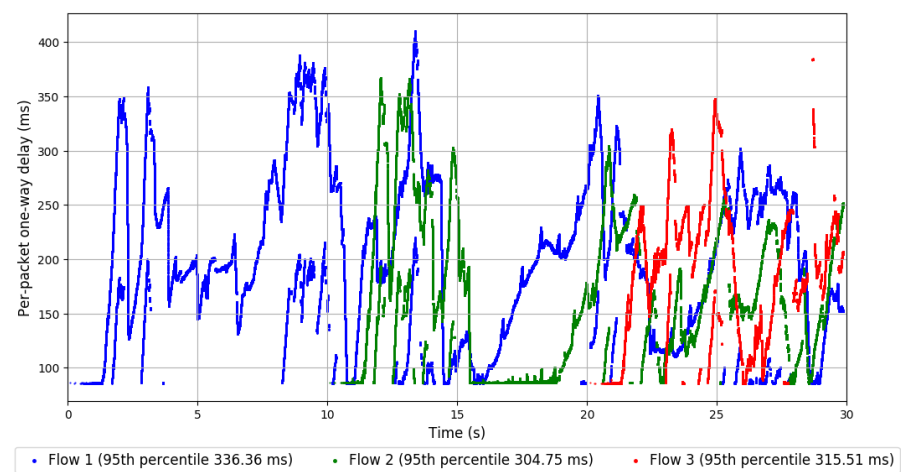
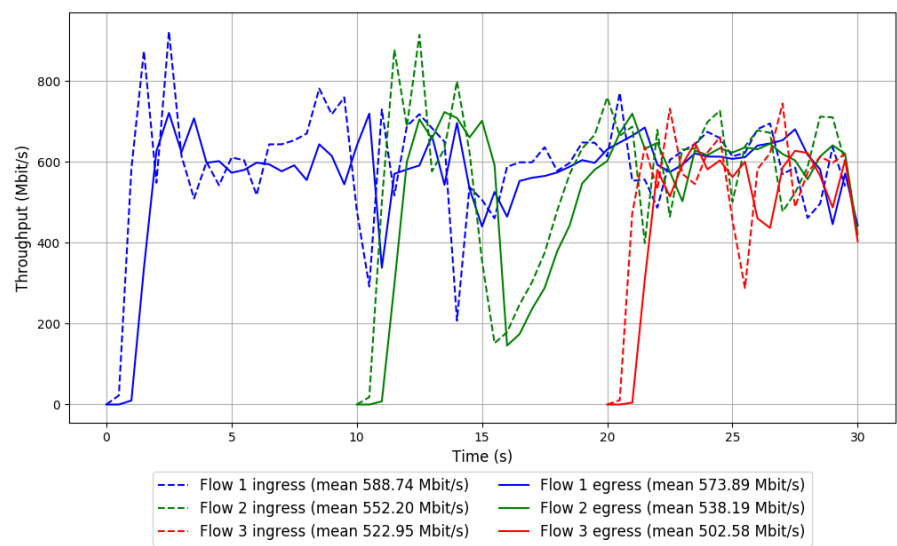


Run 3: Statistics of FillP

Start at: 2018-07-25 02:59:53
End at: 2018-07-25 03:00:23
Local clock offset: -0.069 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-07-25 06:54:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 1095.60 Mbit/s
95th percentile per-packet one-way delay: 325.466 ms
Loss rate: 3.57%
-- Flow 1:
Average throughput: 573.89 Mbit/s
95th percentile per-packet one-way delay: 336.362 ms
Loss rate: 3.09%
-- Flow 2:
Average throughput: 538.19 Mbit/s
95th percentile per-packet one-way delay: 304.755 ms
Loss rate: 3.40%
-- Flow 3:
Average throughput: 502.58 Mbit/s
95th percentile per-packet one-way delay: 315.506 ms
Loss rate: 5.59%

Run 3: Report of FillP — Data Link

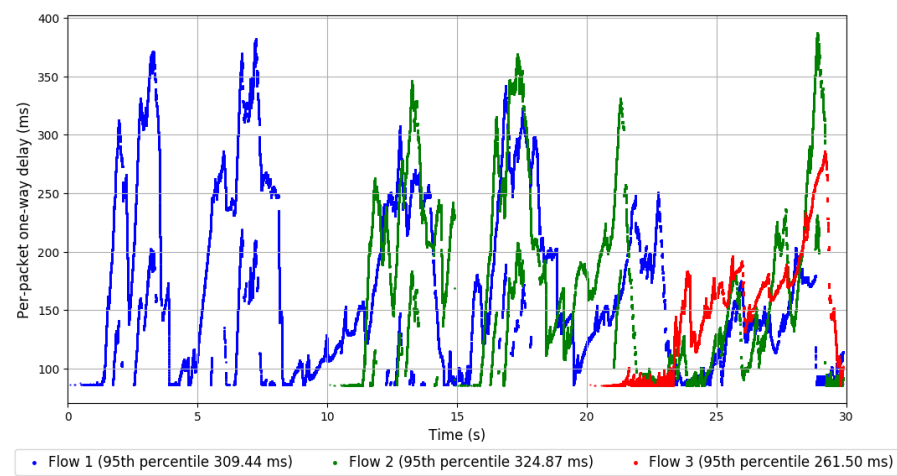
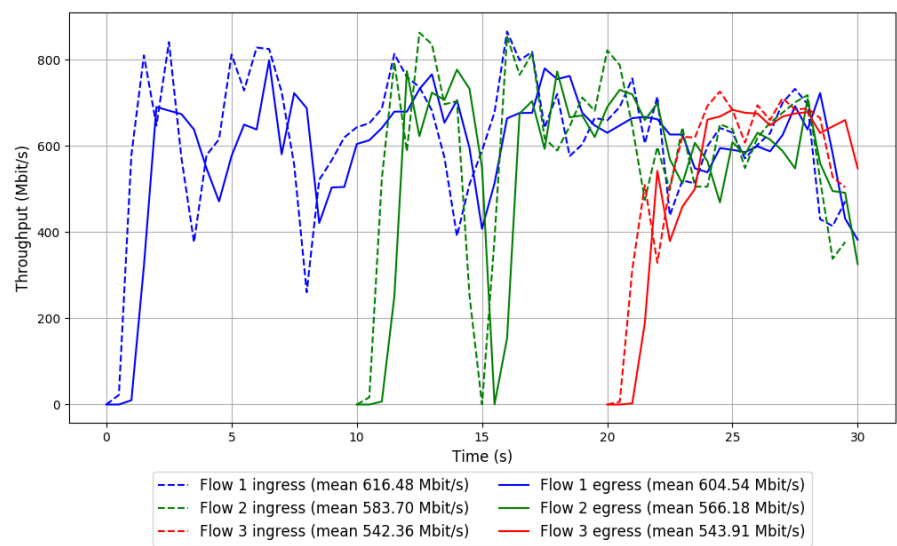


Run 4: Statistics of FillP

Start at: 2018-07-25 03:24:23
End at: 2018-07-25 03:24:53
Local clock offset: -0.037 ms
Remote clock offset: -0.189 ms

Below is generated by plot.py at 2018-07-25 06:56:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 1158.21 Mbit/s
95th percentile per-packet one-way delay: 309.427 ms
Loss rate: 2.77%
-- Flow 1:
Average throughput: 604.54 Mbit/s
95th percentile per-packet one-way delay: 309.436 ms
Loss rate: 2.48%
-- Flow 2:
Average throughput: 566.18 Mbit/s
95th percentile per-packet one-way delay: 324.874 ms
Loss rate: 3.82%
-- Flow 3:
Average throughput: 543.91 Mbit/s
95th percentile per-packet one-way delay: 261.498 ms
Loss rate: 1.47%

Run 4: Report of FillP — Data Link

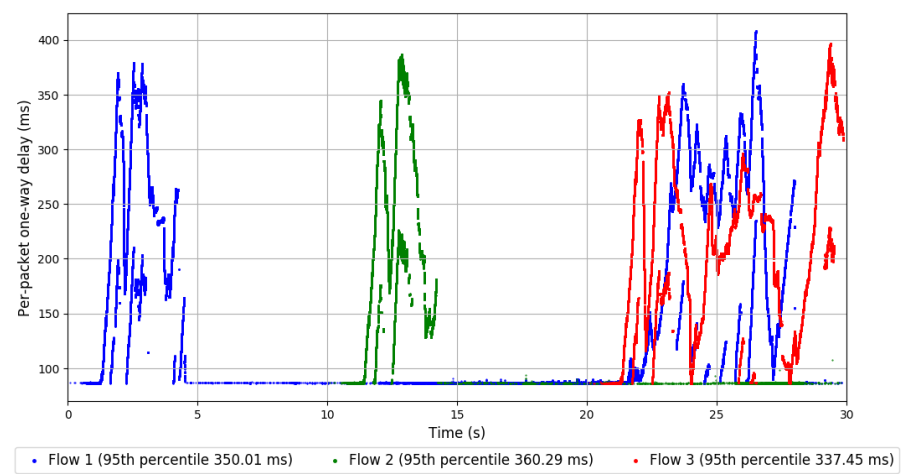
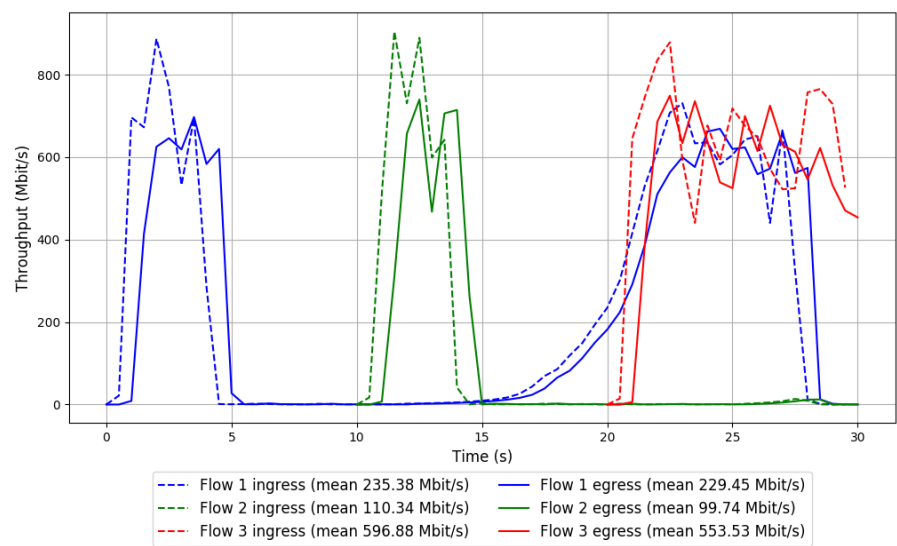


Run 5: Statistics of FillP

Start at: 2018-07-25 03:48:54
End at: 2018-07-25 03:49:24
Local clock offset: 0.249 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-07-25 06:56:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 476.42 Mbit/s
95th percentile per-packet one-way delay: 347.412 ms
Loss rate: 6.43%
-- Flow 1:
Average throughput: 229.45 Mbit/s
95th percentile per-packet one-way delay: 350.008 ms
Loss rate: 3.00%
-- Flow 2:
Average throughput: 99.74 Mbit/s
95th percentile per-packet one-way delay: 360.287 ms
Loss rate: 10.74%
-- Flow 3:
Average throughput: 553.53 Mbit/s
95th percentile per-packet one-way delay: 337.455 ms
Loss rate: 8.88%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-25 04:12:59

End at: 2018-07-25 04:13:29

Local clock offset: -0.172 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-25 06:56:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 984.24 Mbit/s

95th percentile per-packet one-way delay: 301.145 ms

Loss rate: 1.71%

-- Flow 1:

Average throughput: 525.58 Mbit/s

95th percentile per-packet one-way delay: 299.114 ms

Loss rate: 1.57%

-- Flow 2:

Average throughput: 515.22 Mbit/s

95th percentile per-packet one-way delay: 309.814 ms

Loss rate: 2.05%

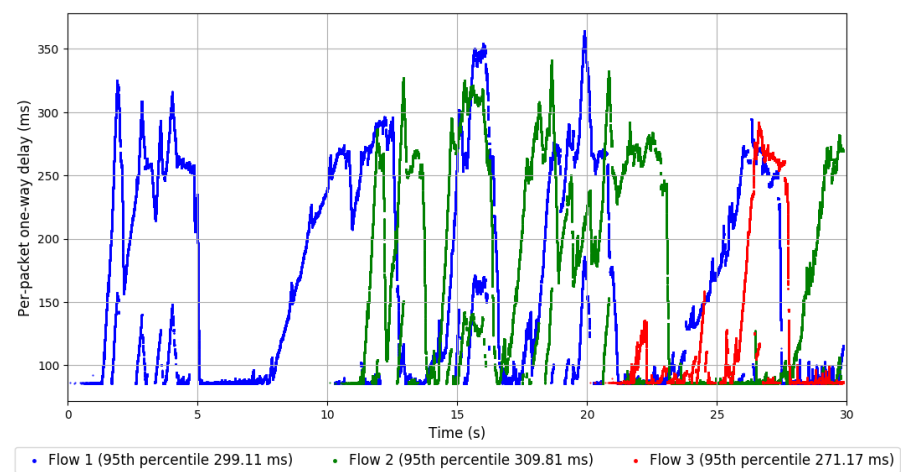
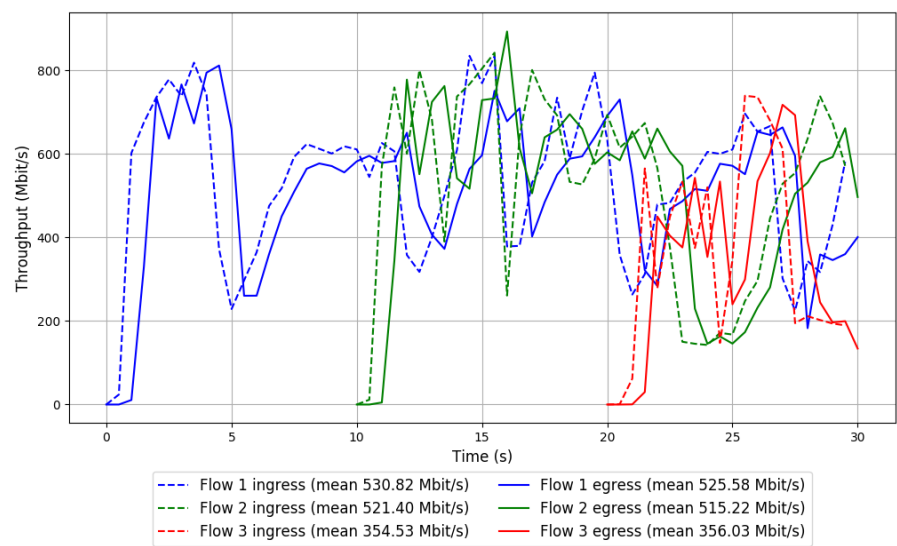
-- Flow 3:

Average throughput: 356.03 Mbit/s

95th percentile per-packet one-way delay: 271.174 ms

Loss rate: 1.34%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-25 04:37:28

End at: 2018-07-25 04:37:58

Local clock offset: 0.051 ms

Remote clock offset: 0.07 ms

Below is generated by plot.py at 2018-07-25 06:56:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 1119.41 Mbit/s

95th percentile per-packet one-way delay: 308.795 ms

Loss rate: 2.41%

-- Flow 1:

Average throughput: 551.63 Mbit/s

95th percentile per-packet one-way delay: 323.526 ms

Loss rate: 2.59%

-- Flow 2:

Average throughput: 598.00 Mbit/s

95th percentile per-packet one-way delay: 308.471 ms

Loss rate: 1.87%

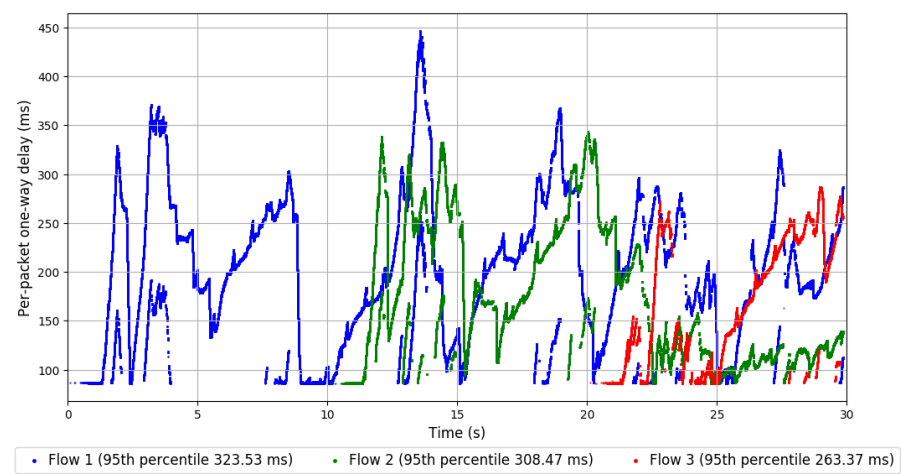
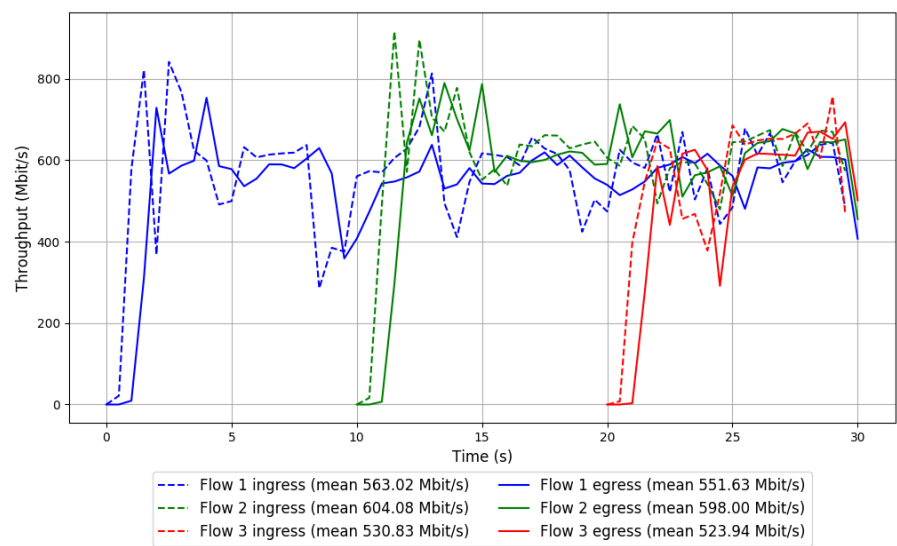
-- Flow 3:

Average throughput: 523.94 Mbit/s

95th percentile per-packet one-way delay: 263.372 ms

Loss rate: 3.03%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-25 05:02:11

End at: 2018-07-25 05:02:41

Local clock offset: -0.158 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-25 06:56:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 267.45 Mbit/s

95th percentile per-packet one-way delay: 337.184 ms

Loss rate: 5.18%

-- Flow 1:

Average throughput: 94.94 Mbit/s

95th percentile per-packet one-way delay: 313.210 ms

Loss rate: 3.52%

-- Flow 2:

Average throughput: 139.22 Mbit/s

95th percentile per-packet one-way delay: 339.867 ms

Loss rate: 6.26%

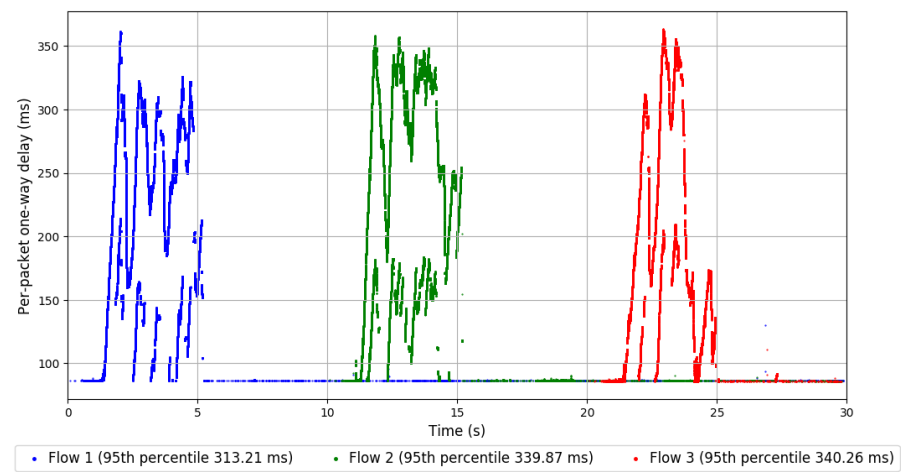
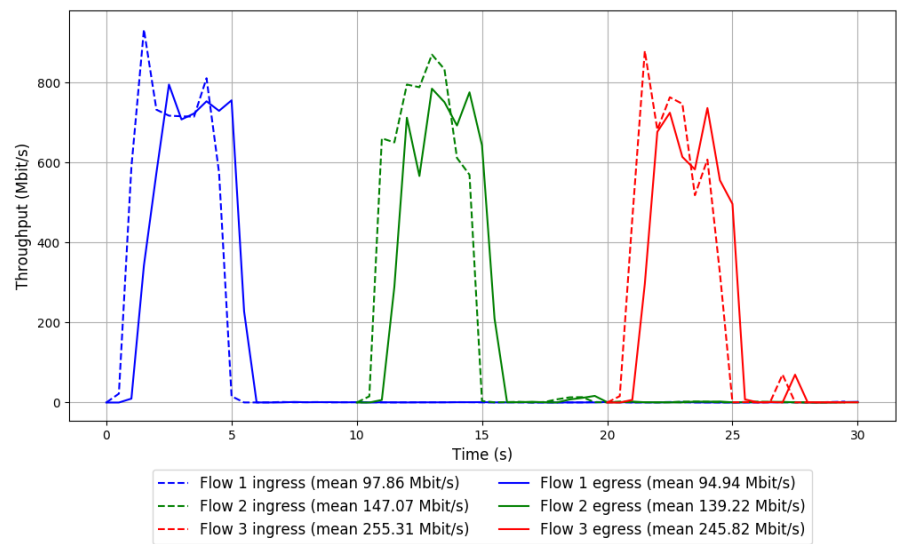
-- Flow 3:

Average throughput: 245.82 Mbit/s

95th percentile per-packet one-way delay: 340.263 ms

Loss rate: 5.86%

Run 8: Report of FillP — Data Link

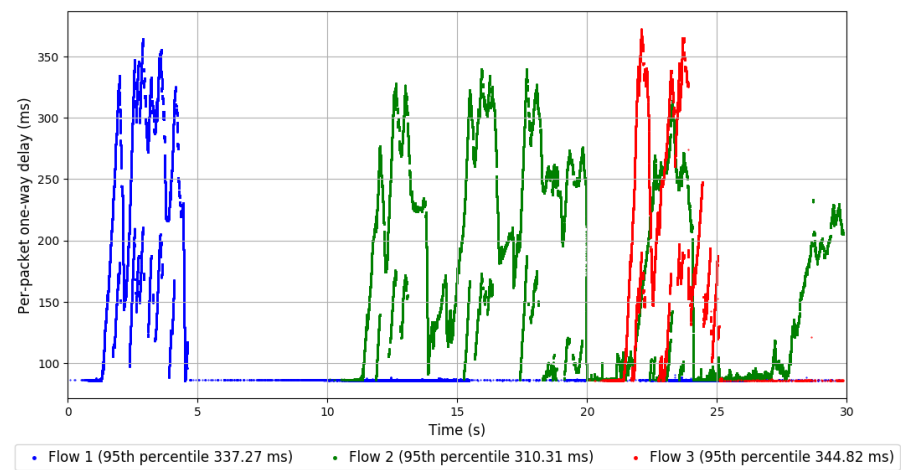
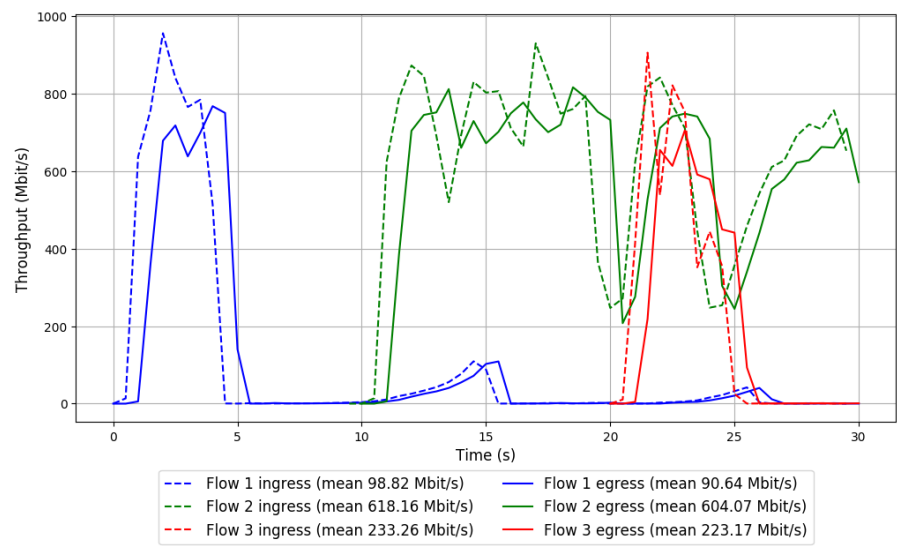


Run 9: Statistics of FillP

Start at: 2018-07-25 05:26:20
End at: 2018-07-25 05:26:50
Local clock offset: -0.217 ms
Remote clock offset: -0.158 ms

Below is generated by plot.py at 2018-07-25 06:56:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 564.88 Mbit/s
95th percentile per-packet one-way delay: 322.865 ms
Loss rate: 4.41%
-- Flow 1:
Average throughput: 90.64 Mbit/s
95th percentile per-packet one-way delay: 337.271 ms
Loss rate: 8.67%
-- Flow 2:
Average throughput: 604.07 Mbit/s
95th percentile per-packet one-way delay: 310.309 ms
Loss rate: 3.12%
-- Flow 3:
Average throughput: 223.17 Mbit/s
95th percentile per-packet one-way delay: 344.817 ms
Loss rate: 5.84%

Run 9: Report of FillP — Data Link

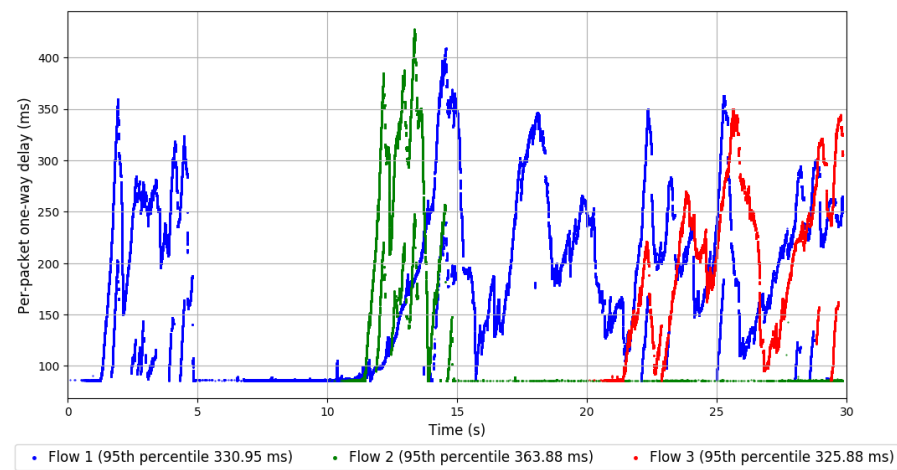
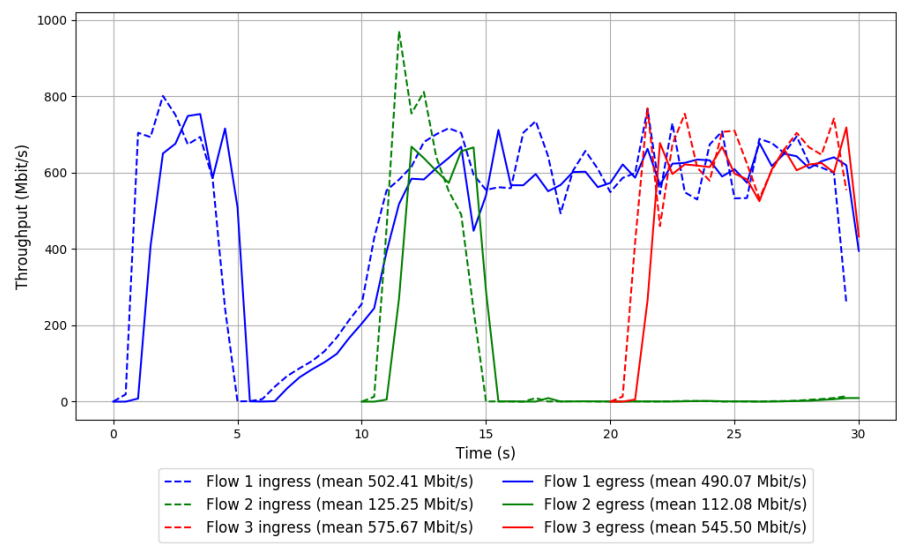


Run 10: Statistics of FillP

Start at: 2018-07-25 05:50:36
End at: 2018-07-25 05:51:06
Local clock offset: -0.11 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-25 06:58:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 743.21 Mbit/s
95th percentile per-packet one-way delay: 336.448 ms
Loss rate: 4.78%
-- Flow 1:
Average throughput: 490.07 Mbit/s
95th percentile per-packet one-way delay: 330.946 ms
Loss rate: 2.90%
-- Flow 2:
Average throughput: 112.08 Mbit/s
95th percentile per-packet one-way delay: 363.880 ms
Loss rate: 11.30%
-- Flow 3:
Average throughput: 545.50 Mbit/s
95th percentile per-packet one-way delay: 325.880 ms
Loss rate: 6.88%

Run 10: Report of FillP — Data Link

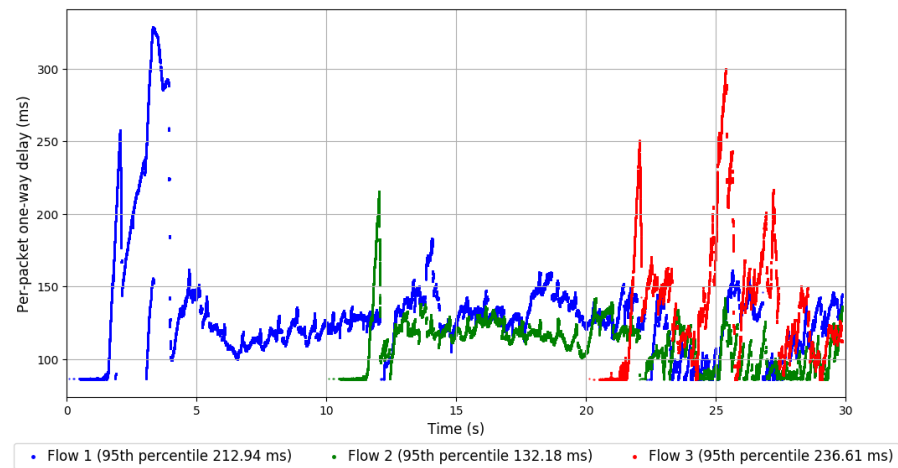
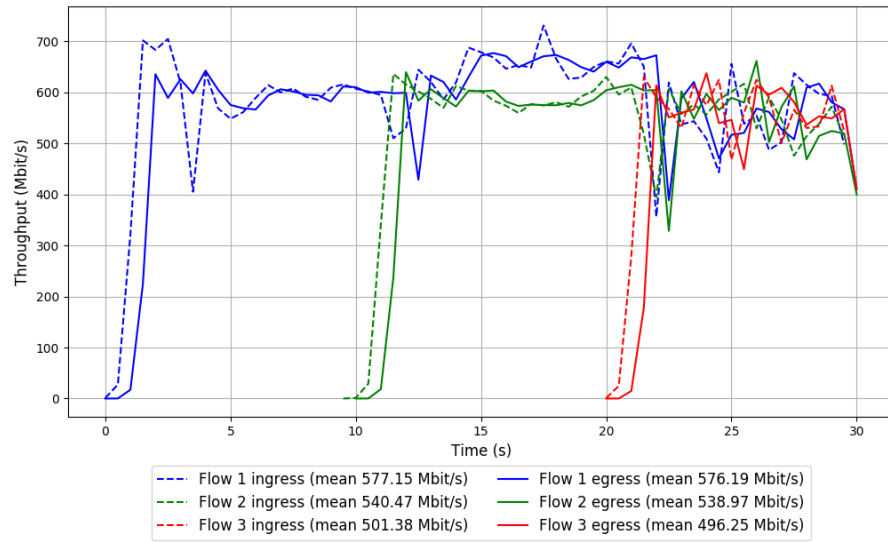


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-25 01:51:09
End at: 2018-07-25 01:51:39
Local clock offset: 0.193 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-07-25 07:21:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 1096.62 Mbit/s
95th percentile per-packet one-way delay: 191.032 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 576.19 Mbit/s
95th percentile per-packet one-way delay: 212.941 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 538.97 Mbit/s
95th percentile per-packet one-way delay: 132.182 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 496.25 Mbit/s
95th percentile per-packet one-way delay: 236.613 ms
Loss rate: 2.75%

Run 1: Report of FillP-Sheep — Data Link

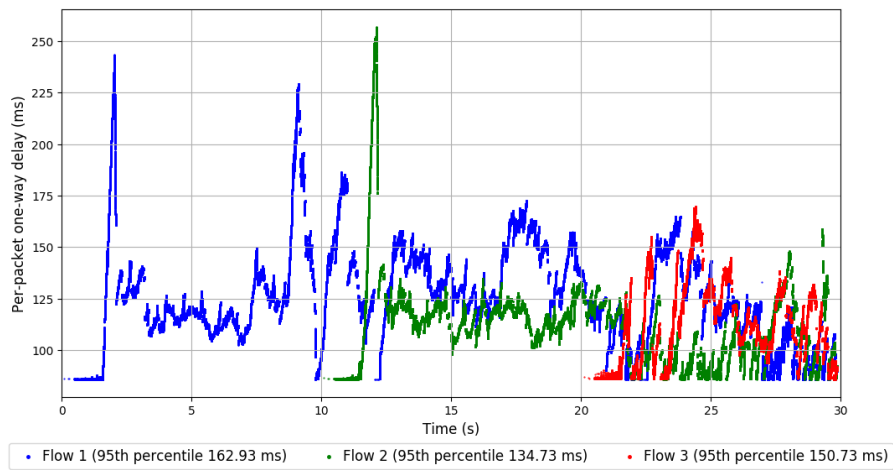
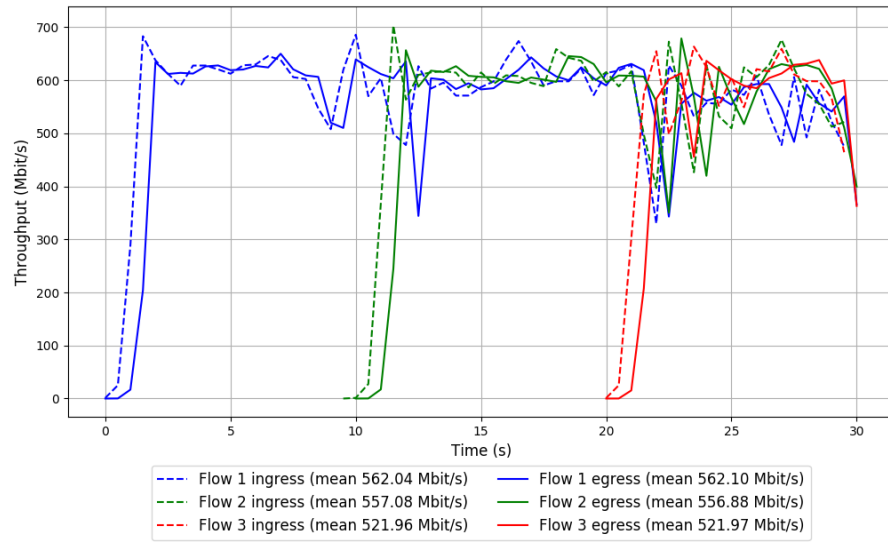


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-25 02:15:29
End at: 2018-07-25 02:15:59
Local clock offset: -0.146 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-07-25 07:21:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 1102.62 Mbit/s
95th percentile per-packet one-way delay: 157.868 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 562.10 Mbit/s
95th percentile per-packet one-way delay: 162.928 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 556.88 Mbit/s
95th percentile per-packet one-way delay: 134.734 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 521.97 Mbit/s
95th percentile per-packet one-way delay: 150.726 ms
Loss rate: 1.76%

Run 2: Report of FillP-Sheep — Data Link

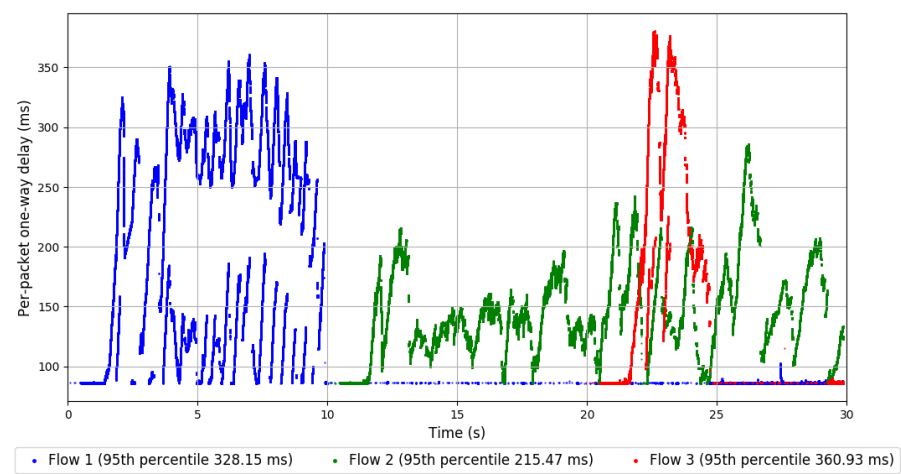
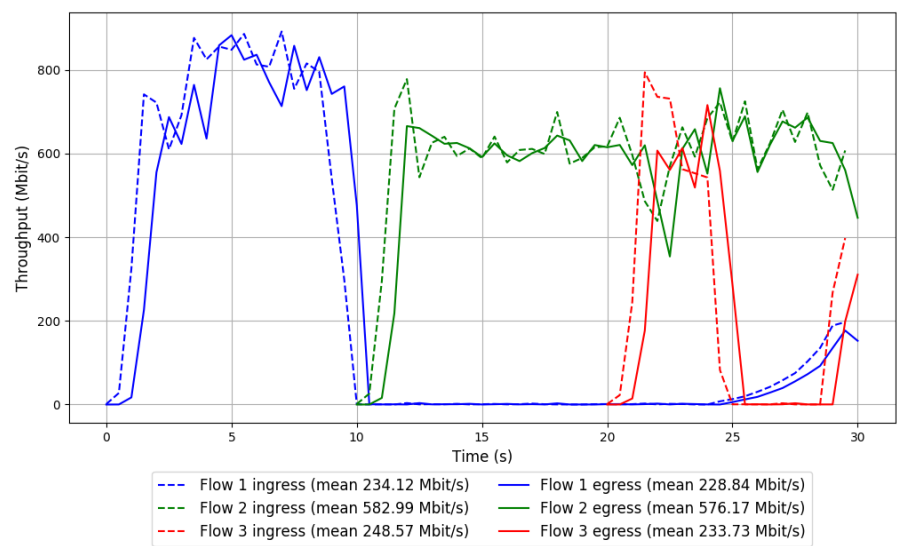


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-25 02:39:56
End at: 2018-07-25 02:40:26
Local clock offset: -0.085 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-07-25 07:21:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 688.00 Mbit/s
95th percentile per-packet one-way delay: 318.353 ms
Loss rate: 2.94%
-- Flow 1:
Average throughput: 228.84 Mbit/s
95th percentile per-packet one-way delay: 328.148 ms
Loss rate: 2.81%
-- Flow 2:
Average throughput: 576.17 Mbit/s
95th percentile per-packet one-way delay: 215.466 ms
Loss rate: 2.03%
-- Flow 3:
Average throughput: 233.73 Mbit/s
95th percentile per-packet one-way delay: 360.926 ms
Loss rate: 7.59%

Run 3: Report of FillP-Sheep — Data Link

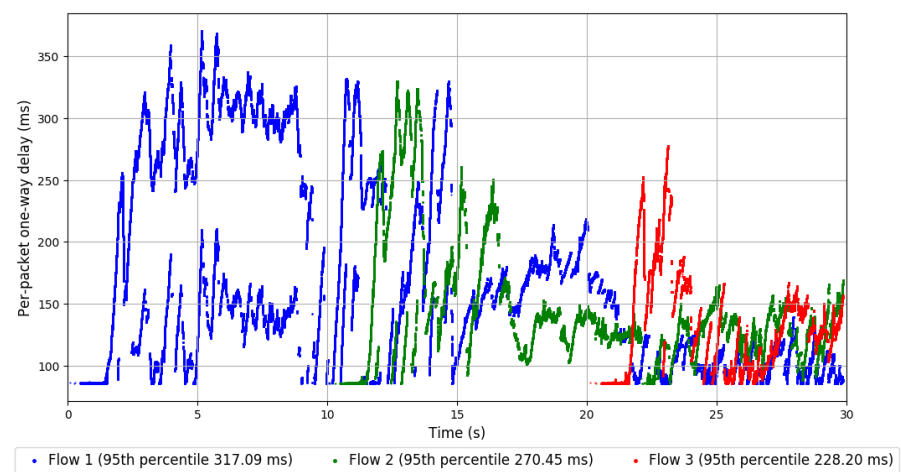
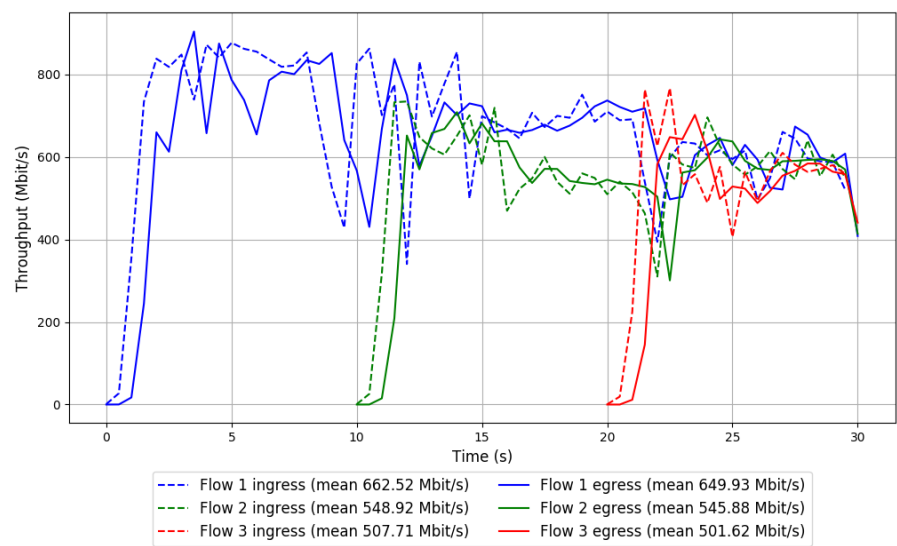


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-25 03:04:16
End at: 2018-07-25 03:04:46
Local clock offset: -0.016 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2018-07-25 07:26:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 1175.92 Mbit/s
95th percentile per-packet one-way delay: 309.516 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 649.93 Mbit/s
95th percentile per-packet one-way delay: 317.087 ms
Loss rate: 2.46%
-- Flow 2:
Average throughput: 545.88 Mbit/s
95th percentile per-packet one-way delay: 270.450 ms
Loss rate: 1.36%
-- Flow 3:
Average throughput: 501.62 Mbit/s
95th percentile per-packet one-way delay: 228.200 ms
Loss rate: 2.93%

Run 4: Report of FillP-Sheep — Data Link

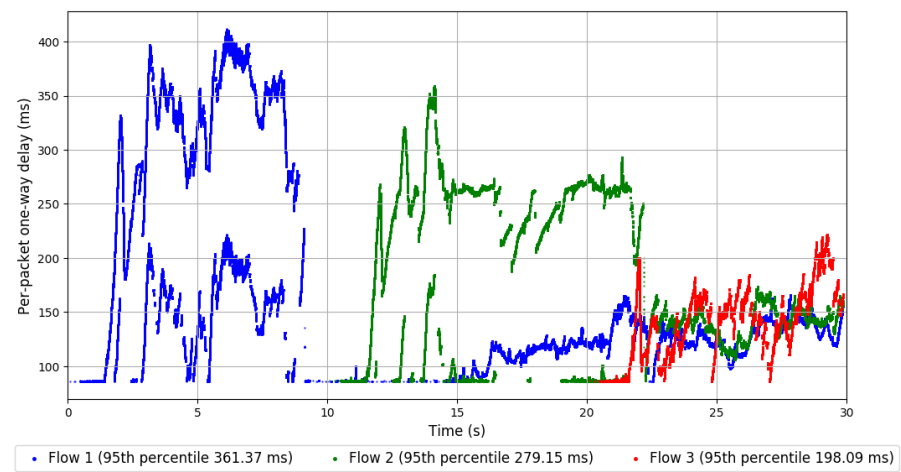
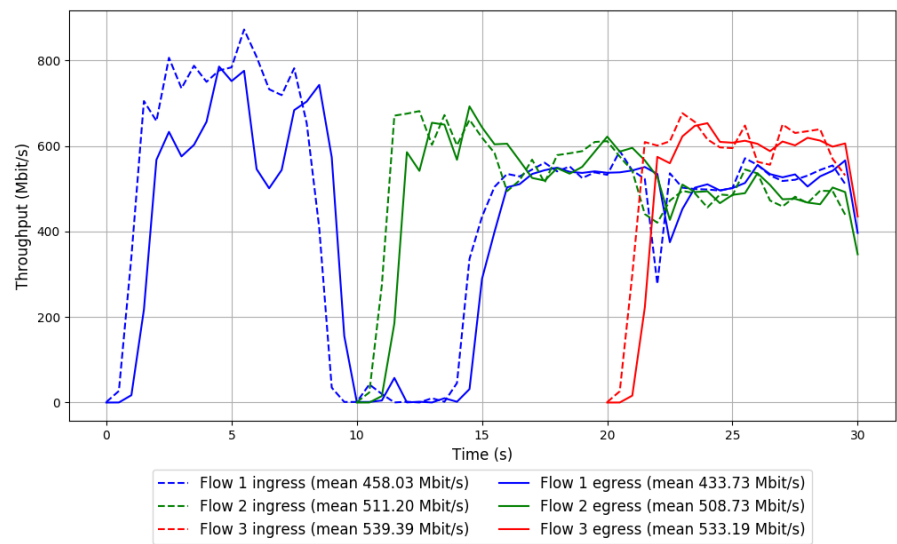


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-25 03:28:48
End at: 2018-07-25 03:29:18
Local clock offset: 0.131 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-07-25 07:26:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 945.94 Mbit/s
95th percentile per-packet one-way delay: 344.701 ms
Loss rate: 3.74%
-- Flow 1:
Average throughput: 433.73 Mbit/s
95th percentile per-packet one-way delay: 361.369 ms
Loss rate: 5.85%
-- Flow 2:
Average throughput: 508.73 Mbit/s
95th percentile per-packet one-way delay: 279.155 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 533.19 Mbit/s
95th percentile per-packet one-way delay: 198.089 ms
Loss rate: 2.88%

Run 5: Report of FillP-Sheep — Data Link

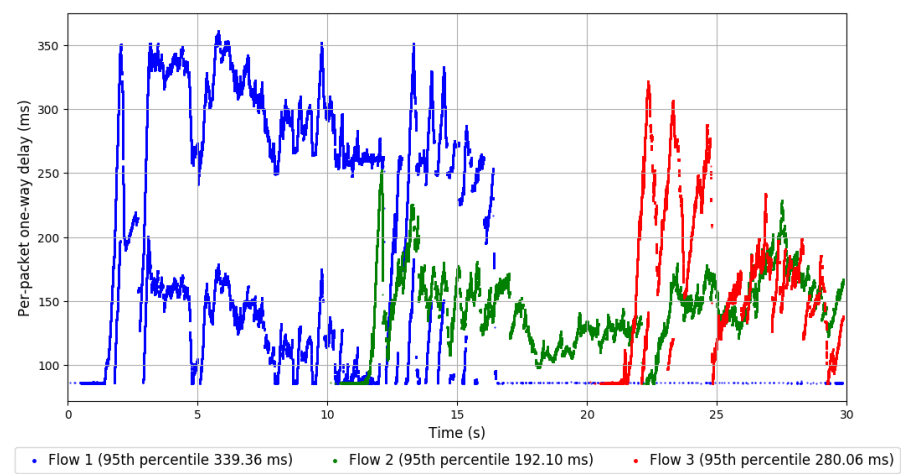
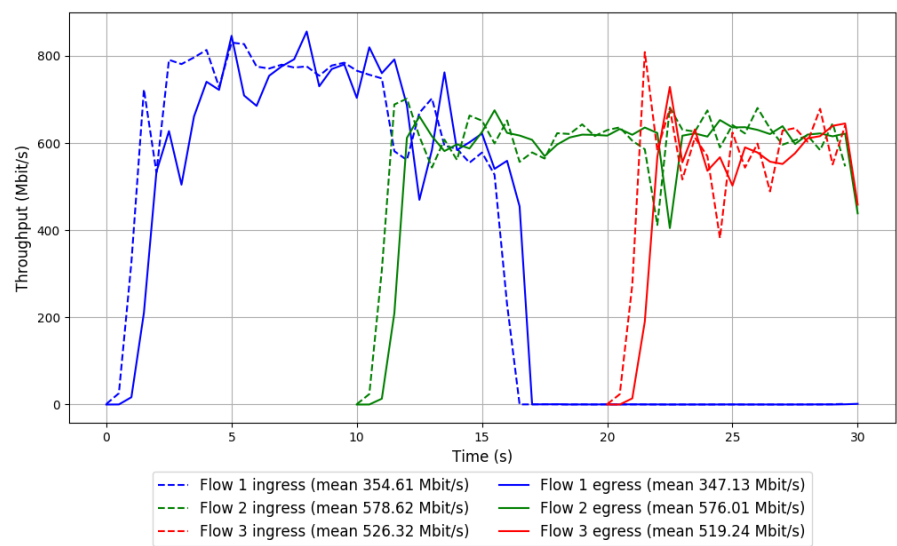


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-25 03:52:51
End at: 2018-07-25 03:53:21
Local clock offset: -0.061 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-07-25 07:26:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 898.93 Mbit/s
95th percentile per-packet one-way delay: 326.423 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 347.13 Mbit/s
95th percentile per-packet one-way delay: 339.357 ms
Loss rate: 2.68%
-- Flow 2:
Average throughput: 576.01 Mbit/s
95th percentile per-packet one-way delay: 192.103 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 519.24 Mbit/s
95th percentile per-packet one-way delay: 280.065 ms
Loss rate: 3.10%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-25 04:17:20

End at: 2018-07-25 04:17:50

Local clock offset: -0.042 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-07-25 07:26:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 741.79 Mbit/s

95th percentile per-packet one-way delay: 315.649 ms

Loss rate: 4.62%

-- Flow 1:

Average throughput: 195.39 Mbit/s

95th percentile per-packet one-way delay: 346.540 ms

Loss rate: 11.80%

-- Flow 2:

Average throughput: 561.78 Mbit/s

95th percentile per-packet one-way delay: 171.208 ms

Loss rate: 1.51%

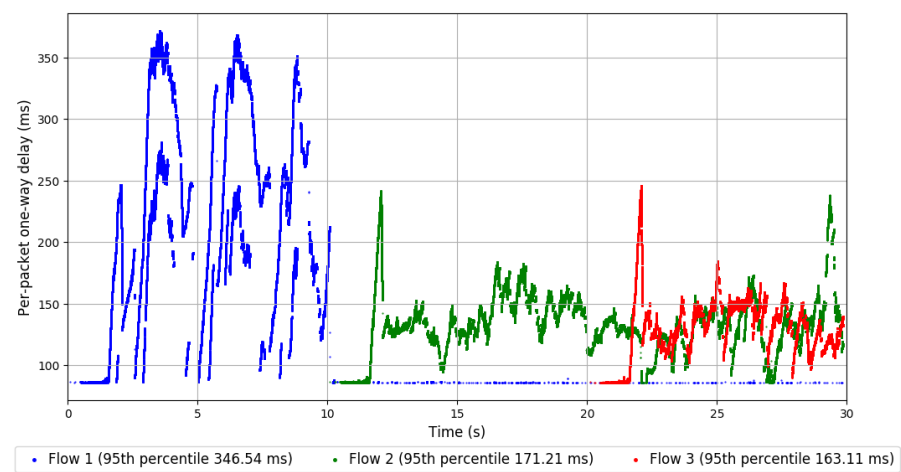
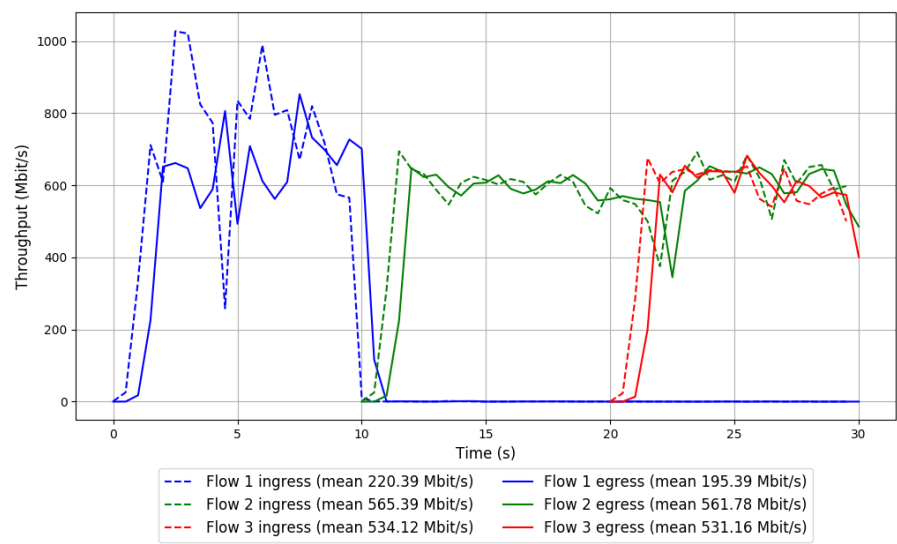
-- Flow 3:

Average throughput: 531.16 Mbit/s

95th percentile per-packet one-way delay: 163.107 ms

Loss rate: 2.31%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-25 04:41:52

End at: 2018-07-25 04:42:22

Local clock offset: 0.012 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-07-25 07:29:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 1154.82 Mbit/s

95th percentile per-packet one-way delay: 206.918 ms

Loss rate: 1.14%

-- Flow 1:

Average throughput: 598.19 Mbit/s

95th percentile per-packet one-way delay: 170.733 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 604.02 Mbit/s

95th percentile per-packet one-way delay: 260.251 ms

Loss rate: 1.18%

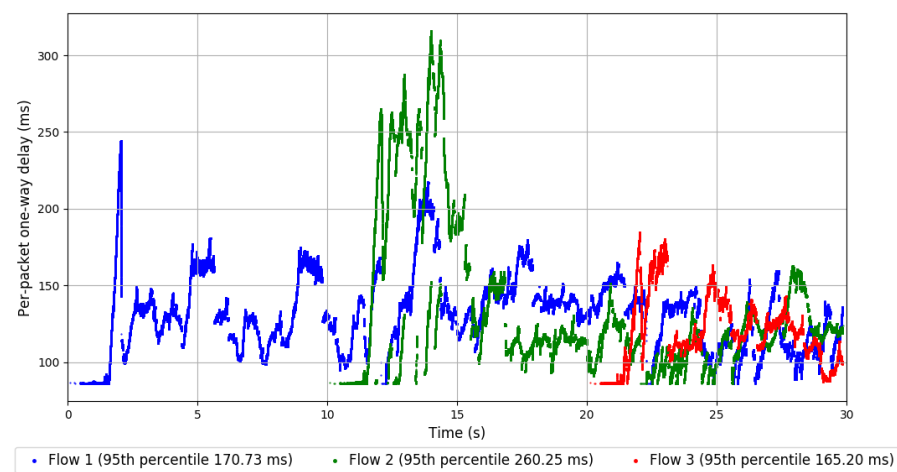
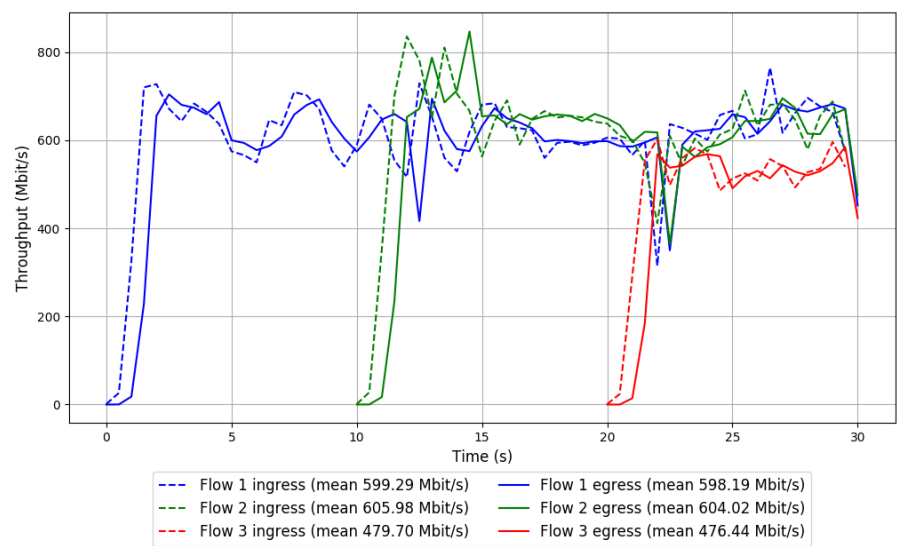
-- Flow 3:

Average throughput: 476.44 Mbit/s

95th percentile per-packet one-way delay: 165.202 ms

Loss rate: 2.43%

Run 8: Report of FillP-Sheep — Data Link

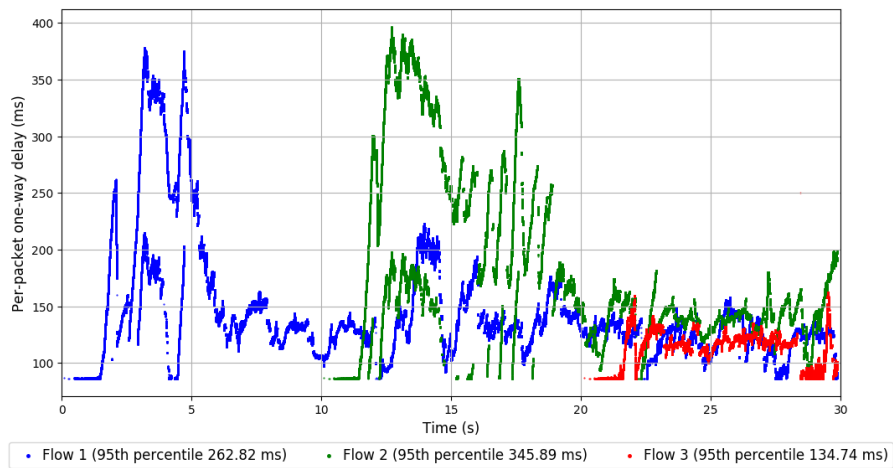
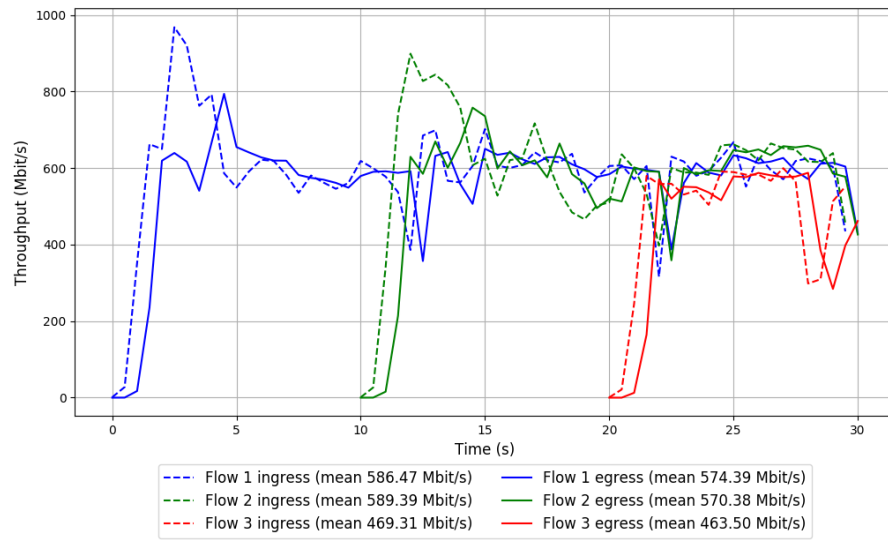


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-25 05:05:59
End at: 2018-07-25 05:06:29
Local clock offset: -0.053 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-07-25 07:42:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 1104.40 Mbit/s
95th percentile per-packet one-way delay: 315.317 ms
Loss rate: 3.16%
-- Flow 1:
Average throughput: 574.39 Mbit/s
95th percentile per-packet one-way delay: 262.825 ms
Loss rate: 2.60%
-- Flow 2:
Average throughput: 570.38 Mbit/s
95th percentile per-packet one-way delay: 345.892 ms
Loss rate: 4.07%
-- Flow 3:
Average throughput: 463.50 Mbit/s
95th percentile per-packet one-way delay: 134.739 ms
Loss rate: 2.97%

Run 9: Report of FillP-Sheep — Data Link

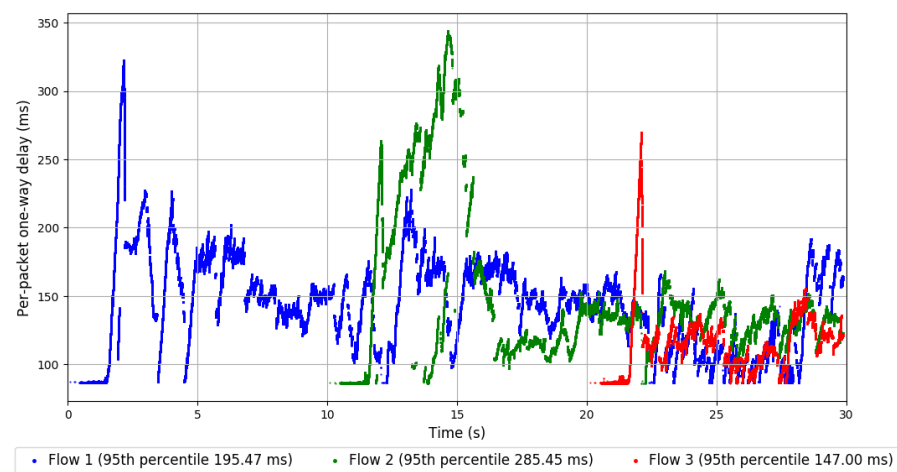
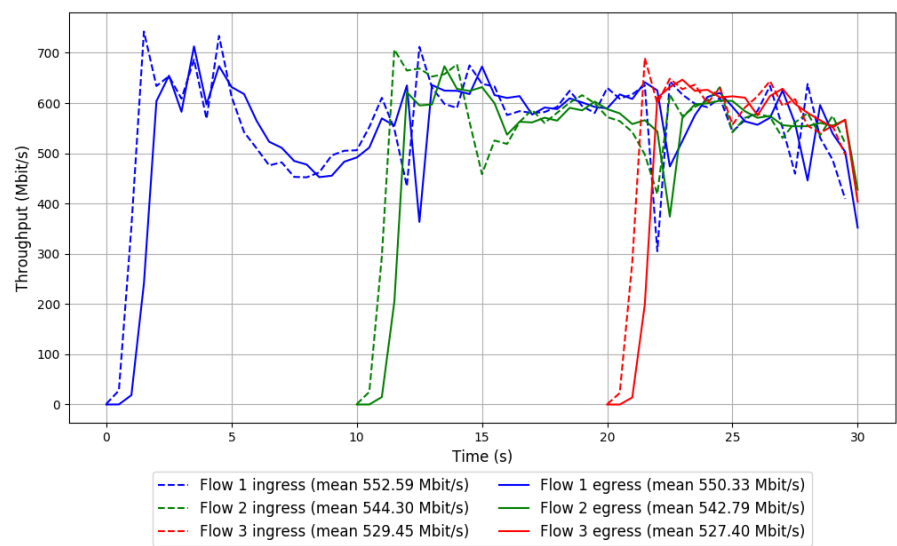


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-25 05:30:23
End at: 2018-07-25 05:30:53
Local clock offset: 0.092 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-07-25 07:51:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 1082.94 Mbit/s
95th percentile per-packet one-way delay: 241.999 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 550.33 Mbit/s
95th percentile per-packet one-way delay: 195.466 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 542.79 Mbit/s
95th percentile per-packet one-way delay: 285.450 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 527.40 Mbit/s
95th percentile per-packet one-way delay: 147.000 ms
Loss rate: 2.11%

Run 10: Report of FillP-Sheep — Data Link

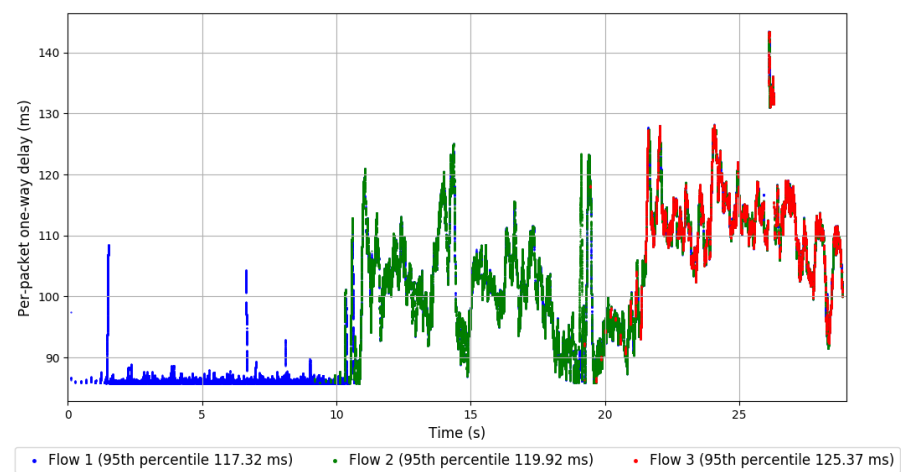
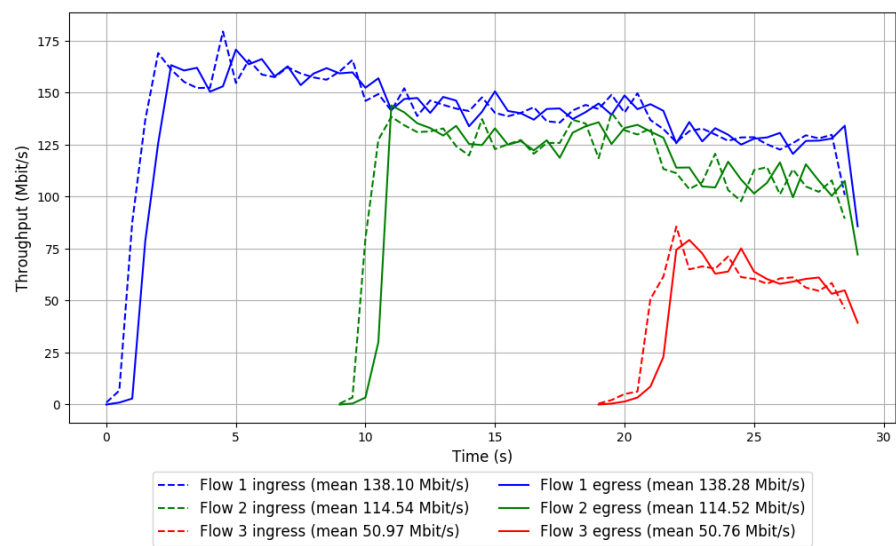


```
Run 1: Statistics of Indigo

Start at: 2018-07-25 02:02:56
End at: 2018-07-25 02:03:26
Local clock offset: 0.01 ms
Remote clock offset: -0.09 ms

# Below is generated by plot.py at 2018-07-25 07:51:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 233.49 Mbit/s
95th percentile per-packet one-way delay: 118.786 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 138.28 Mbit/s
95th percentile per-packet one-way delay: 117.319 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 114.52 Mbit/s
95th percentile per-packet one-way delay: 119.920 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 50.76 Mbit/s
95th percentile per-packet one-way delay: 125.372 ms
Loss rate: 2.13%
```

Run 1: Report of Indigo — Data Link

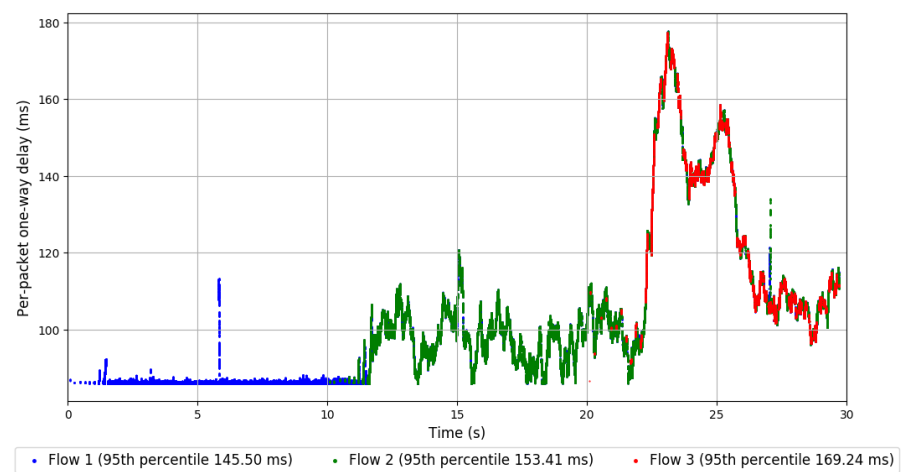
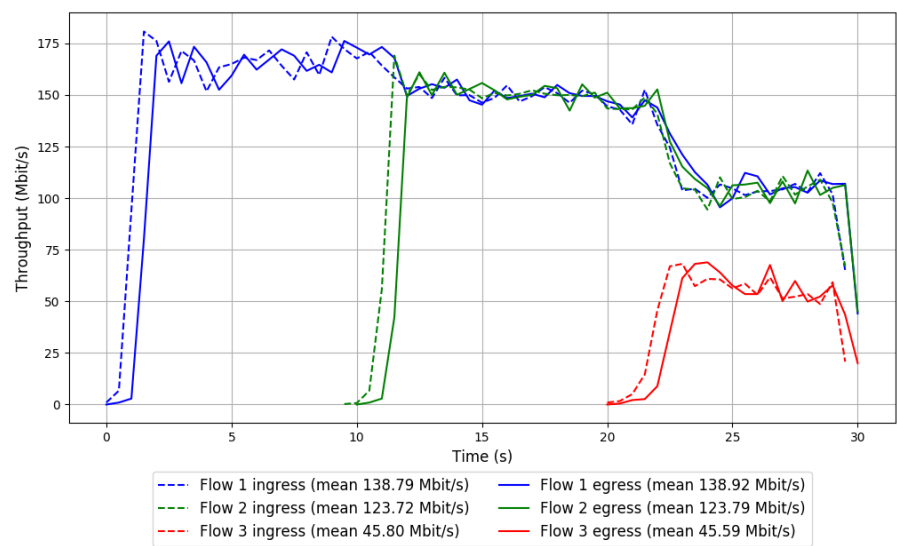


Run 2: Statistics of Indigo

Start at: 2018-07-25 02:27:17
End at: 2018-07-25 02:27:47
Local clock offset: 0.131 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-25 07:51:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 235.76 Mbit/s
95th percentile per-packet one-way delay: 152.734 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 138.92 Mbit/s
95th percentile per-packet one-way delay: 145.502 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 123.79 Mbit/s
95th percentile per-packet one-way delay: 153.405 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 45.59 Mbit/s
95th percentile per-packet one-way delay: 169.241 ms
Loss rate: 2.22%

Run 2: Report of Indigo — Data Link

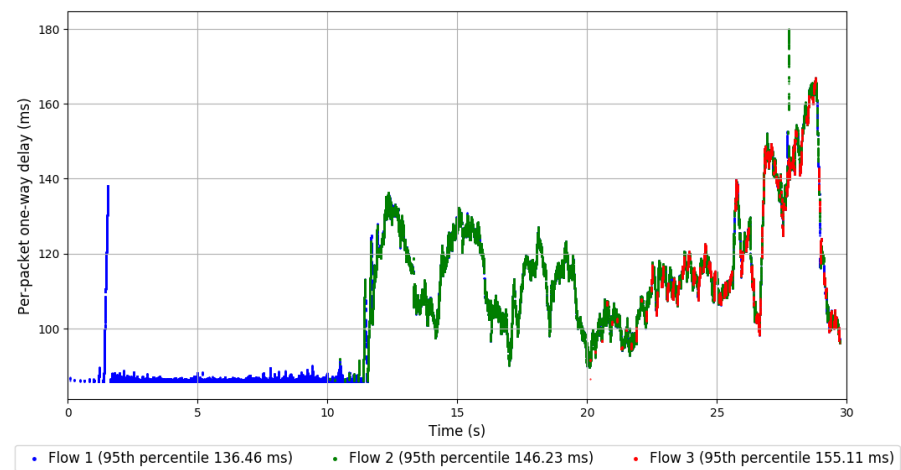
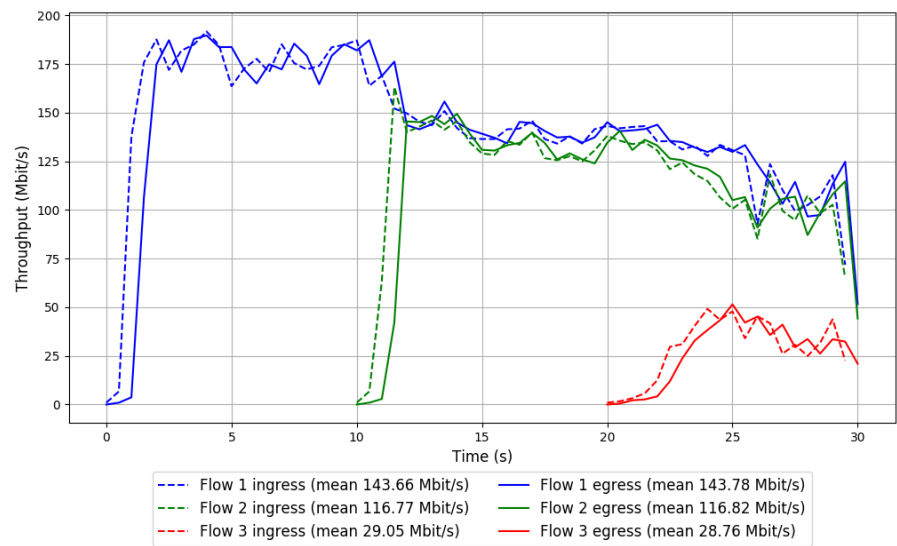


Run 3: Statistics of Indigo

Start at: 2018-07-25 02:51:36
End at: 2018-07-25 02:52:06
Local clock offset: -0.057 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-07-25 07:51:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 230.43 Mbit/s
95th percentile per-packet one-way delay: 143.457 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 143.78 Mbit/s
95th percentile per-packet one-way delay: 136.459 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 116.82 Mbit/s
95th percentile per-packet one-way delay: 146.227 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 28.76 Mbit/s
95th percentile per-packet one-way delay: 155.106 ms
Loss rate: 2.73%

Run 3: Report of Indigo — Data Link

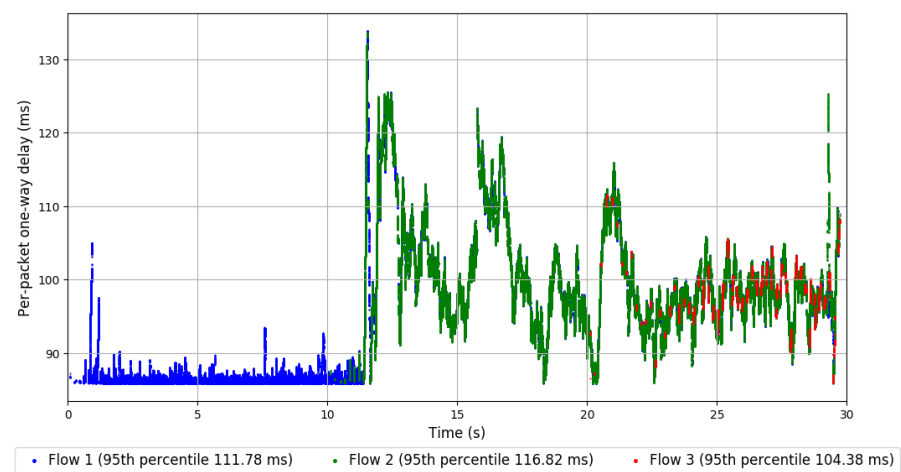
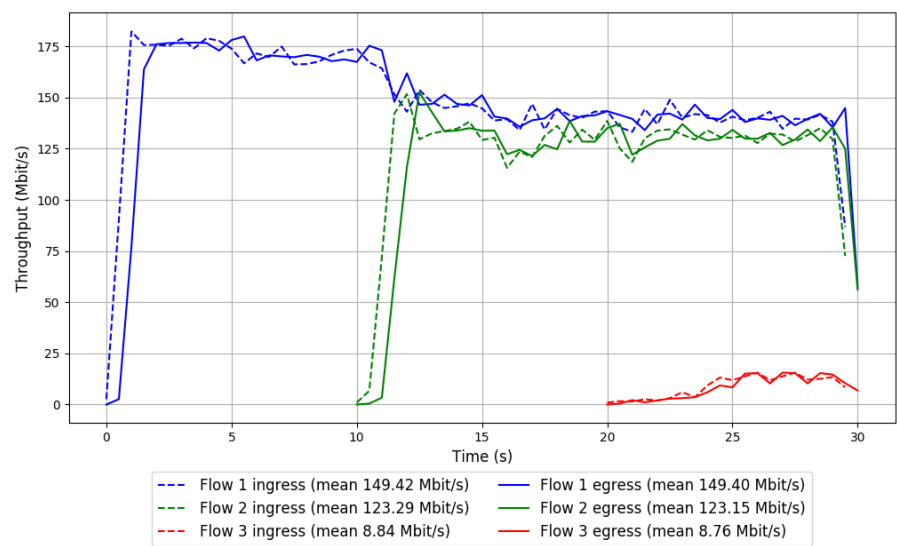


Run 4: Statistics of Indigo

Start at: 2018-07-25 03:16:07
End at: 2018-07-25 03:16:37
Local clock offset: -0.044 ms
Remote clock offset: -0.152 ms

```
# Below is generated by plot.py at 2018-07-25 07:51:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 233.77 Mbit/s
95th percentile per-packet one-way delay: 113.857 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 149.40 Mbit/s
95th percentile per-packet one-way delay: 111.784 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 123.15 Mbit/s
95th percentile per-packet one-way delay: 116.820 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 8.76 Mbit/s
95th percentile per-packet one-way delay: 104.379 ms
Loss rate: 2.62%
```

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-25 03:40:36

End at: 2018-07-25 03:41:06

Local clock offset: 0.047 ms

Remote clock offset: -0.15 ms

Below is generated by plot.py at 2018-07-25 07:51:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 242.41 Mbit/s

95th percentile per-packet one-way delay: 126.502 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 146.05 Mbit/s

95th percentile per-packet one-way delay: 123.465 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 117.34 Mbit/s

95th percentile per-packet one-way delay: 127.288 ms

Loss rate: 0.86%

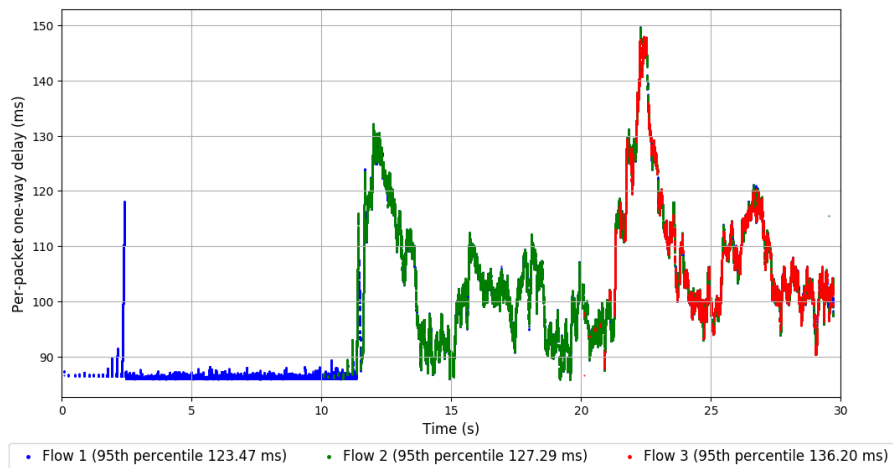
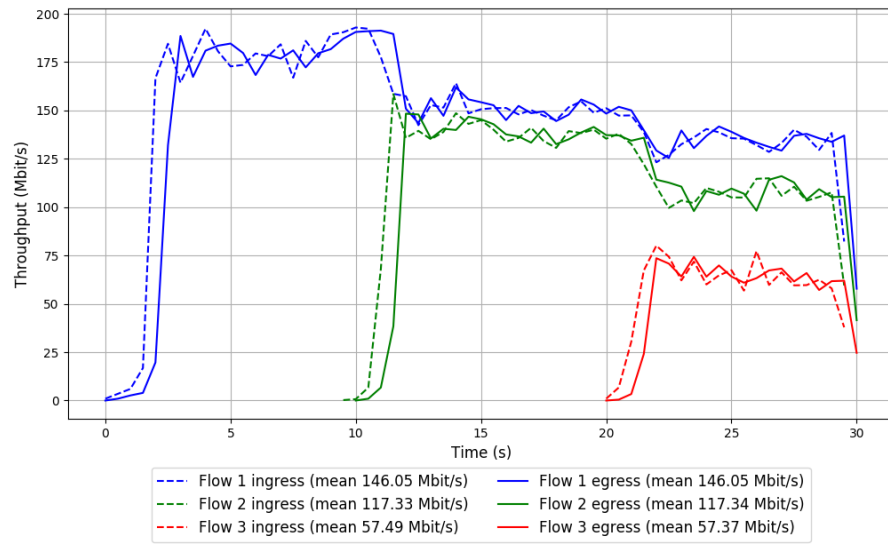
-- Flow 3:

Average throughput: 57.37 Mbit/s

95th percentile per-packet one-way delay: 136.202 ms

Loss rate: 1.99%

Run 5: Report of Indigo — Data Link

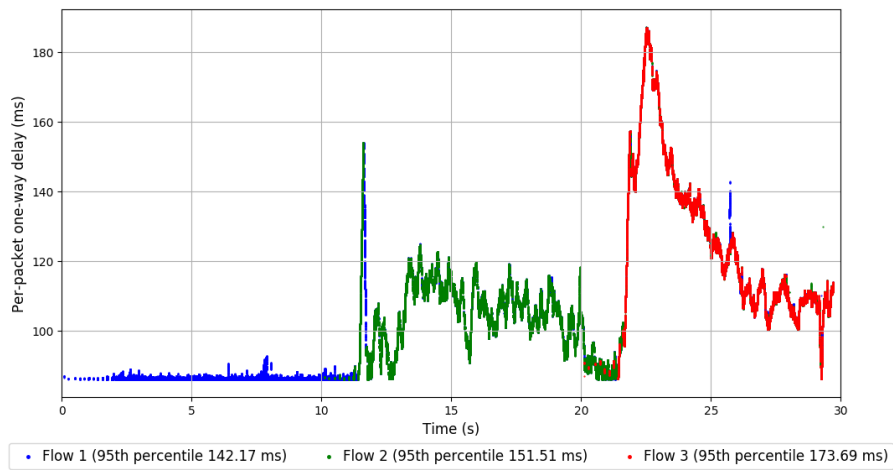
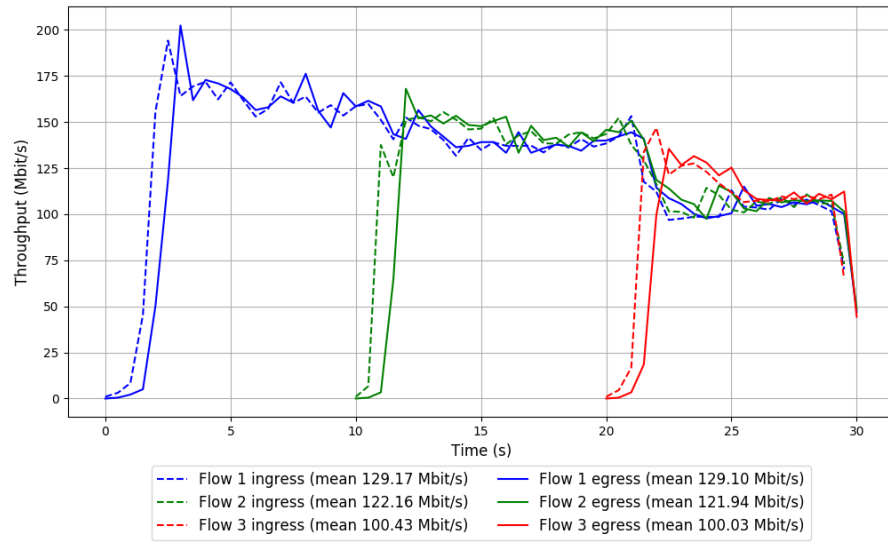


Run 6: Statistics of Indigo

Start at: 2018-07-25 04:04:41
End at: 2018-07-25 04:05:11
Local clock offset: 0.216 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-07-25 07:51:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 242.16 Mbit/s
95th percentile per-packet one-way delay: 152.106 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 129.10 Mbit/s
95th percentile per-packet one-way delay: 142.169 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 121.94 Mbit/s
95th percentile per-packet one-way delay: 151.510 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 100.03 Mbit/s
95th percentile per-packet one-way delay: 173.689 ms
Loss rate: 2.17%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-25 04:29:07

End at: 2018-07-25 04:29:37

Local clock offset: -0.237 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-25 07:51:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 224.03 Mbit/s

95th percentile per-packet one-way delay: 121.094 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 143.15 Mbit/s

95th percentile per-packet one-way delay: 120.300 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 111.72 Mbit/s

95th percentile per-packet one-way delay: 122.578 ms

Loss rate: 1.02%

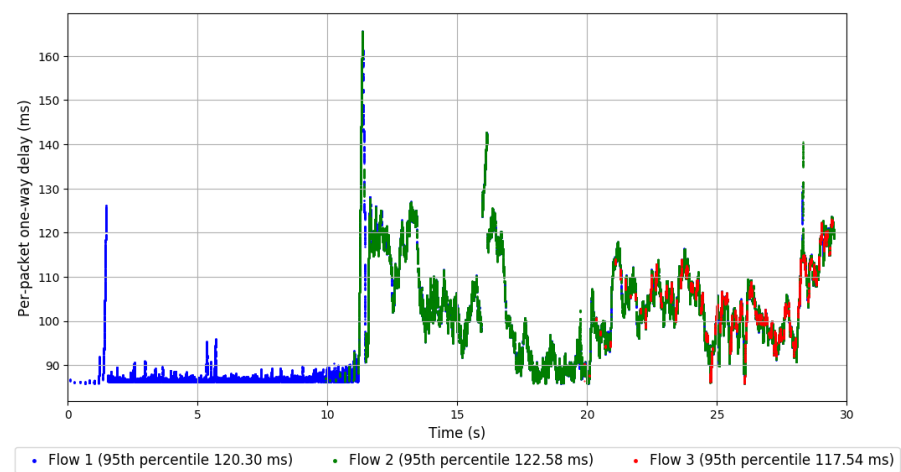
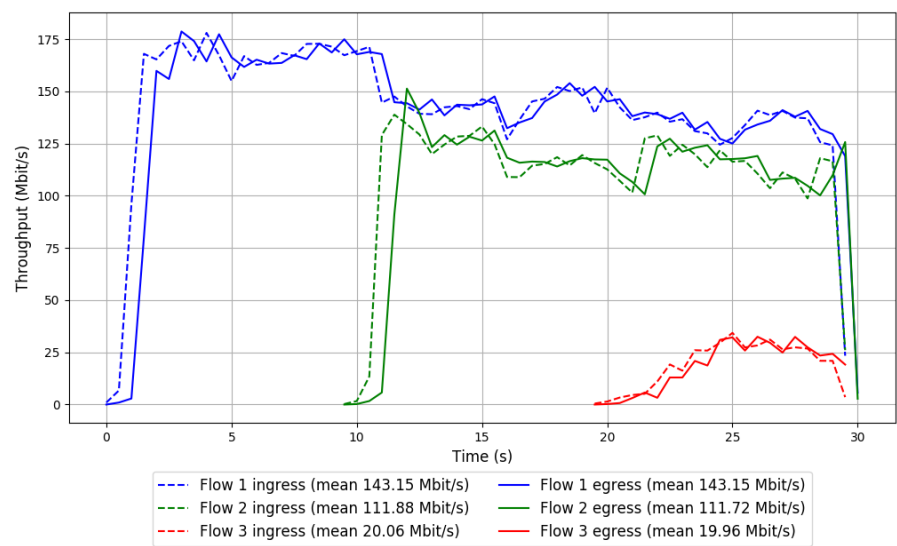
-- Flow 3:

Average throughput: 19.96 Mbit/s

95th percentile per-packet one-way delay: 117.544 ms

Loss rate: 2.28%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-25 04:53:46

End at: 2018-07-25 04:54:16

Local clock offset: -0.118 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-07-25 07:51:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 250.57 Mbit/s

95th percentile per-packet one-way delay: 114.842 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 157.74 Mbit/s

95th percentile per-packet one-way delay: 113.671 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 128.27 Mbit/s

95th percentile per-packet one-way delay: 116.130 ms

Loss rate: 0.96%

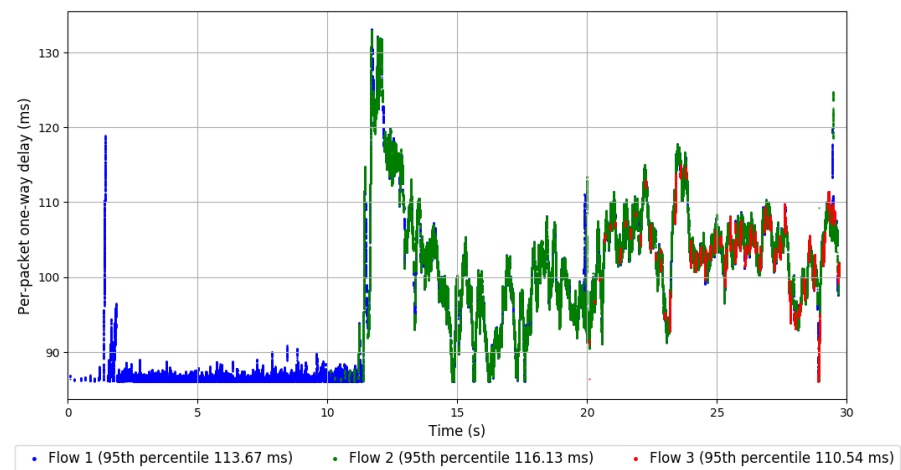
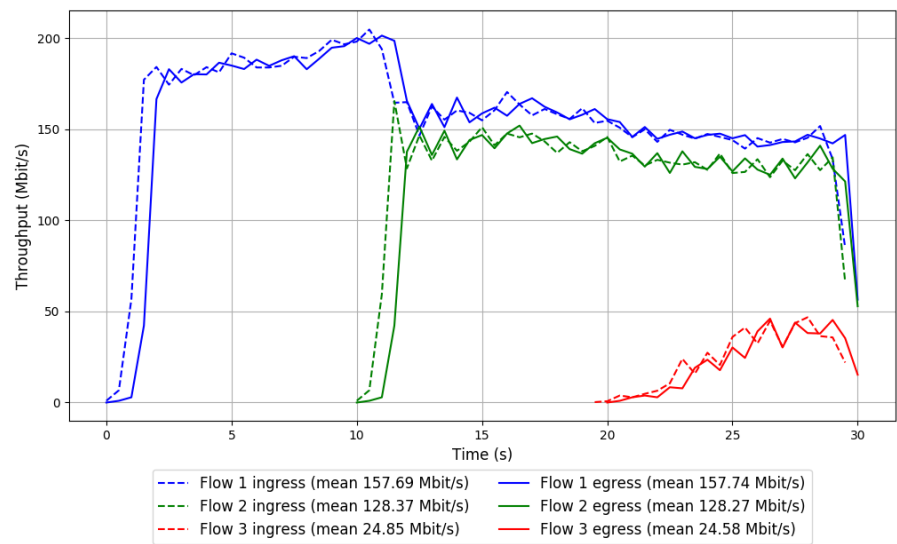
-- Flow 3:

Average throughput: 24.58 Mbit/s

95th percentile per-packet one-way delay: 110.541 ms

Loss rate: 2.84%

Run 8: Report of Indigo — Data Link

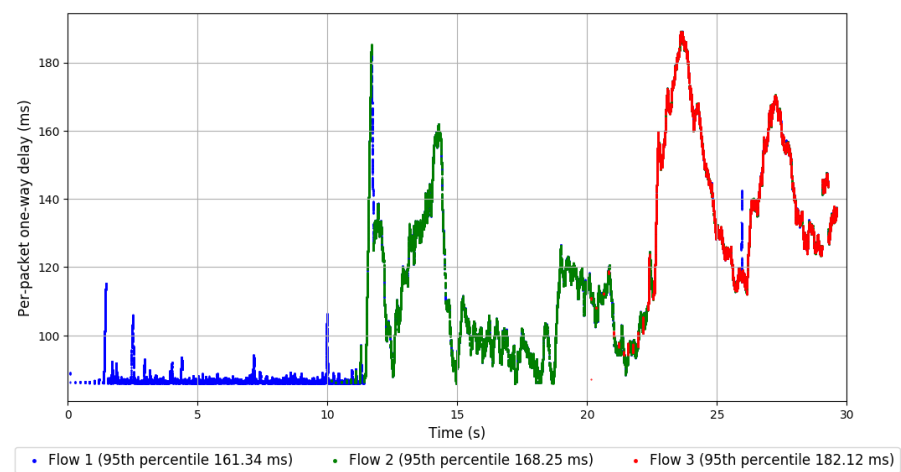
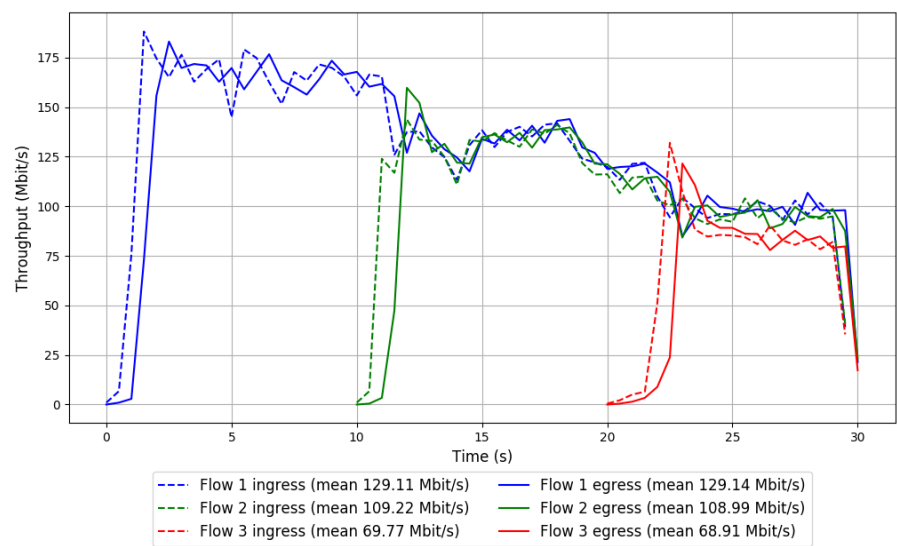


Run 9: Statistics of Indigo

Start at: 2018-07-25 05:17:54
End at: 2018-07-25 05:18:24
Local clock offset: 0.12 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-07-25 07:51:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 223.09 Mbit/s
95th percentile per-packet one-way delay: 167.297 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 129.14 Mbit/s
95th percentile per-packet one-way delay: 161.340 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 108.99 Mbit/s
95th percentile per-packet one-way delay: 168.248 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 68.91 Mbit/s
95th percentile per-packet one-way delay: 182.120 ms
Loss rate: 3.02%

Run 9: Report of Indigo — Data Link

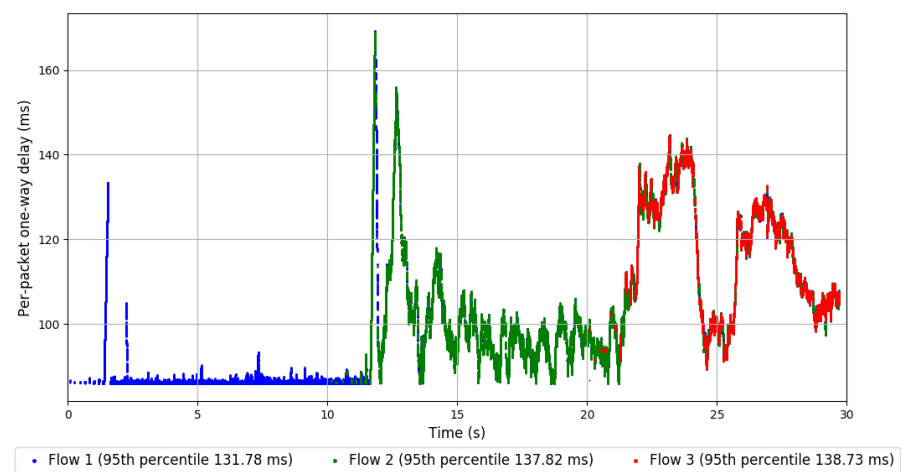
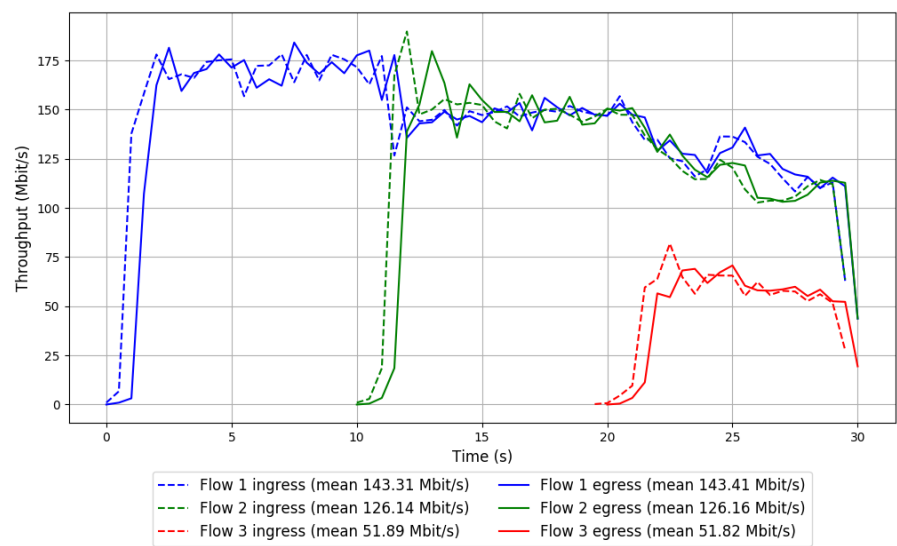


Run 10: Statistics of Indigo

Start at: 2018-07-25 05:42:21
End at: 2018-07-25 05:42:51
Local clock offset: 0.025 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-25 07:51:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 243.49 Mbit/s
95th percentile per-packet one-way delay: 136.047 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 143.41 Mbit/s
95th percentile per-packet one-way delay: 131.775 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 126.16 Mbit/s
95th percentile per-packet one-way delay: 137.820 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 51.82 Mbit/s
95th percentile per-packet one-way delay: 138.733 ms
Loss rate: 1.93%

Run 10: Report of Indigo — Data Link

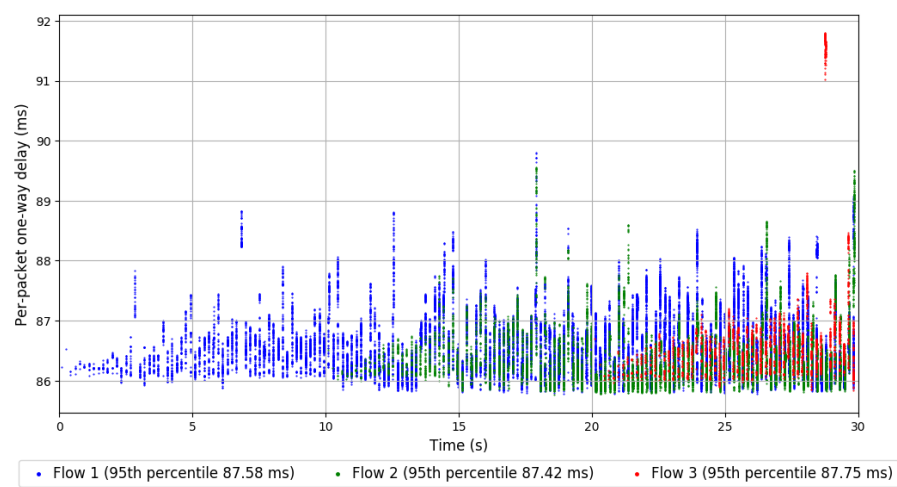
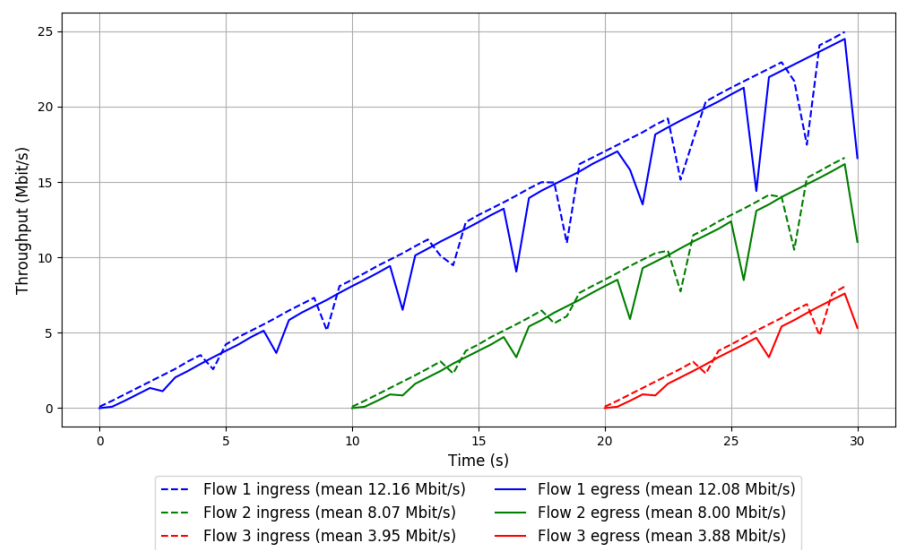


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-25 01:56:22
End at: 2018-07-25 01:56:52
Local clock offset: 0.008 ms
Remote clock offset: -0.096 ms

# Below is generated by plot.py at 2018-07-25 07:51:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.65 Mbit/s
95th percentile per-packet one-way delay: 87.556 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 12.08 Mbit/s
95th percentile per-packet one-way delay: 87.585 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 8.00 Mbit/s
95th percentile per-packet one-way delay: 87.417 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 87.750 ms
Loss rate: 3.52%
```


Run 1: Report of LEDBAT — Data Link

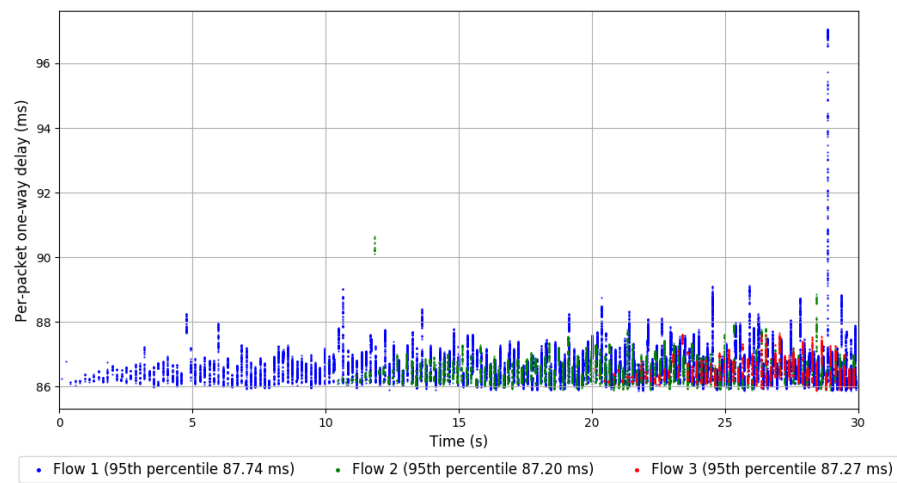
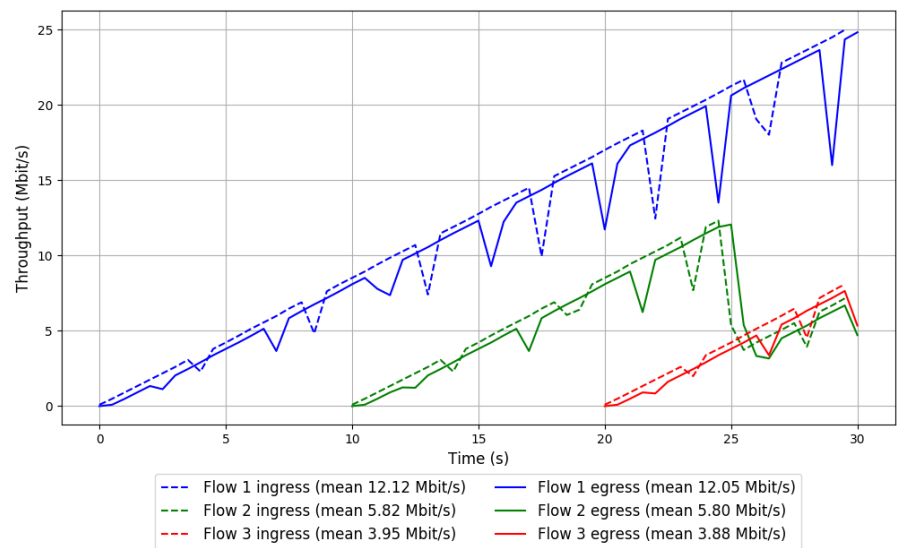


Run 2: Statistics of LEDBAT

Start at: 2018-07-25 02:20:37
End at: 2018-07-25 02:21:07
Local clock offset: -0.057 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-07-25 07:51:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.15 Mbit/s
95th percentile per-packet one-way delay: 87.612 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 87.739 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 5.80 Mbit/s
95th percentile per-packet one-way delay: 87.199 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 87.271 ms
Loss rate: 3.51%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-25 02:44:57

End at: 2018-07-25 02:45:27

Local clock offset: 0.019 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-07-25 07:51:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.59 Mbit/s

95th percentile per-packet one-way delay: 87.750 ms

Loss rate: 1.48%

-- Flow 1:

Average throughput: 12.05 Mbit/s

95th percentile per-packet one-way delay: 87.916 ms

Loss rate: 1.15%

-- Flow 2:

Average throughput: 7.95 Mbit/s

95th percentile per-packet one-way delay: 87.504 ms

Loss rate: 1.74%

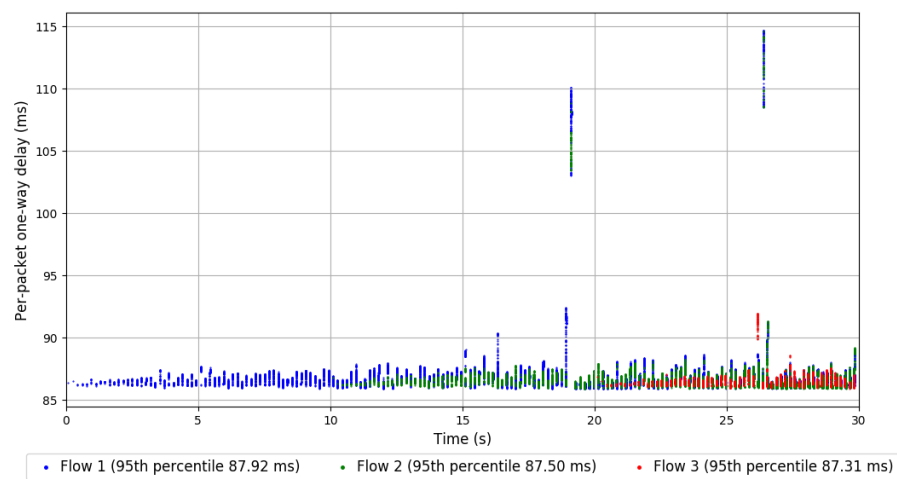
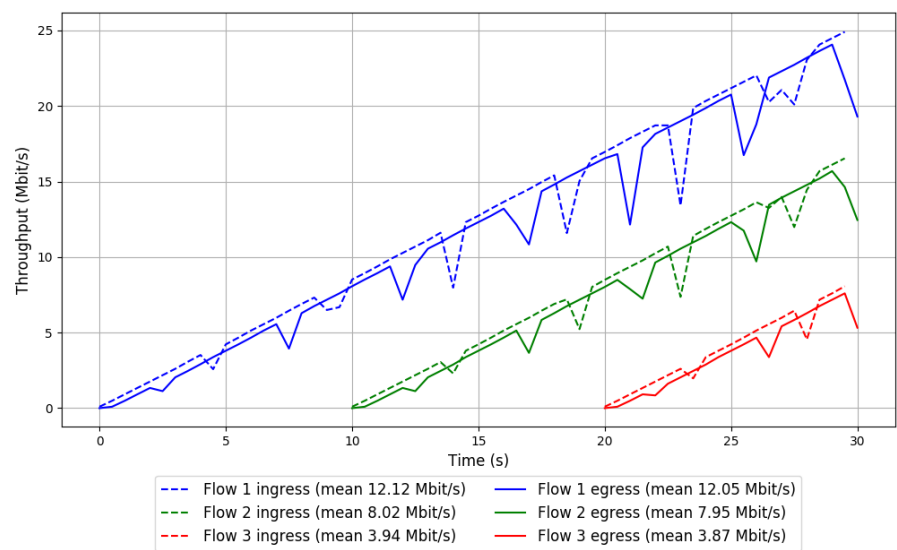
-- Flow 3:

Average throughput: 3.87 Mbit/s

95th percentile per-packet one-way delay: 87.311 ms

Loss rate: 3.52%

Run 3: Report of LEDBAT — Data Link

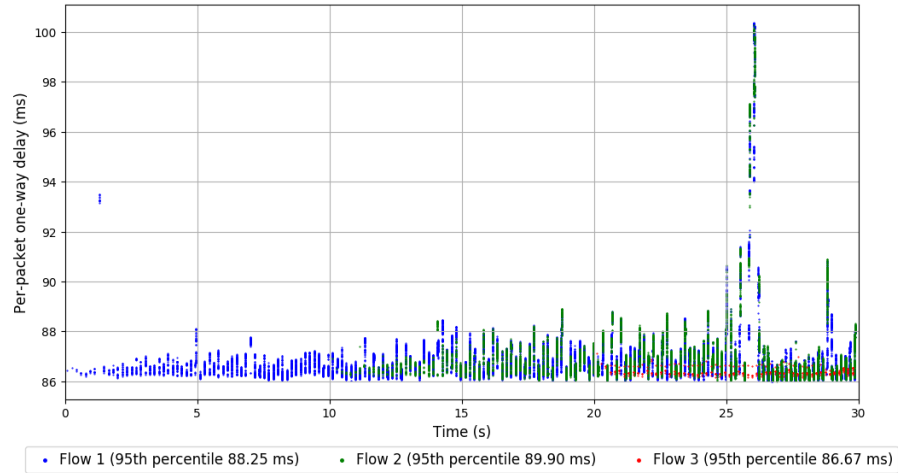
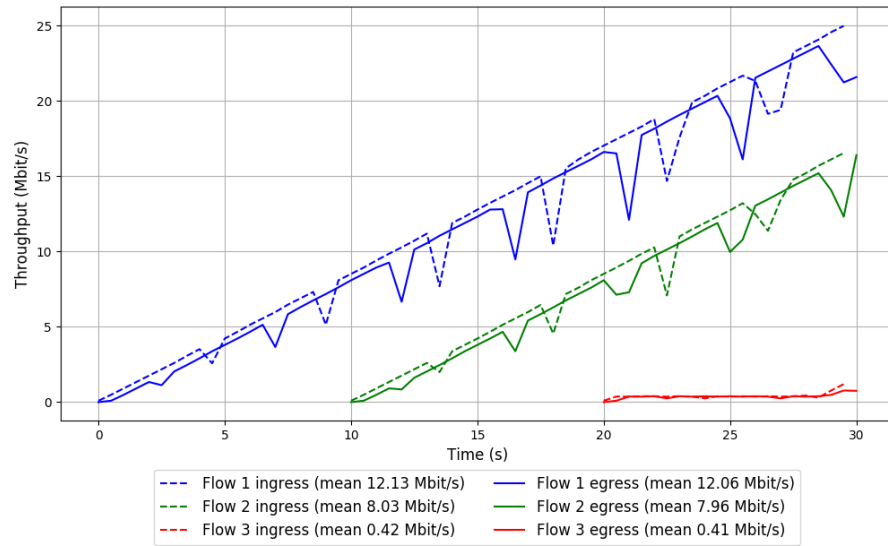


Run 4: Statistics of LEDBAT

Start at: 2018-07-25 03:09:30
End at: 2018-07-25 03:10:00
Local clock offset: 0.15 ms
Remote clock offset: -0.152 ms

Below is generated by plot.py at 2018-07-25 07:51:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.48 Mbit/s
95th percentile per-packet one-way delay: 88.641 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 12.06 Mbit/s
95th percentile per-packet one-way delay: 88.252 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 7.96 Mbit/s
95th percentile per-packet one-way delay: 89.904 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 86.669 ms
Loss rate: 5.33%

Run 4: Report of LEDBAT — Data Link

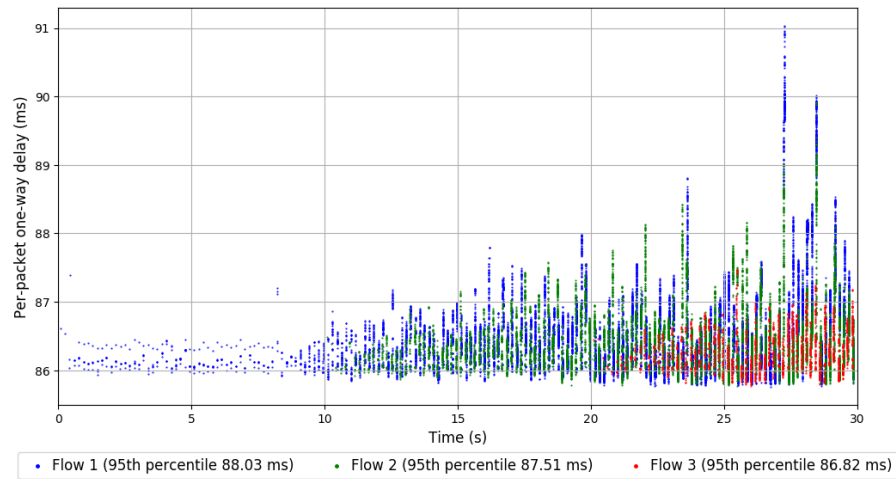
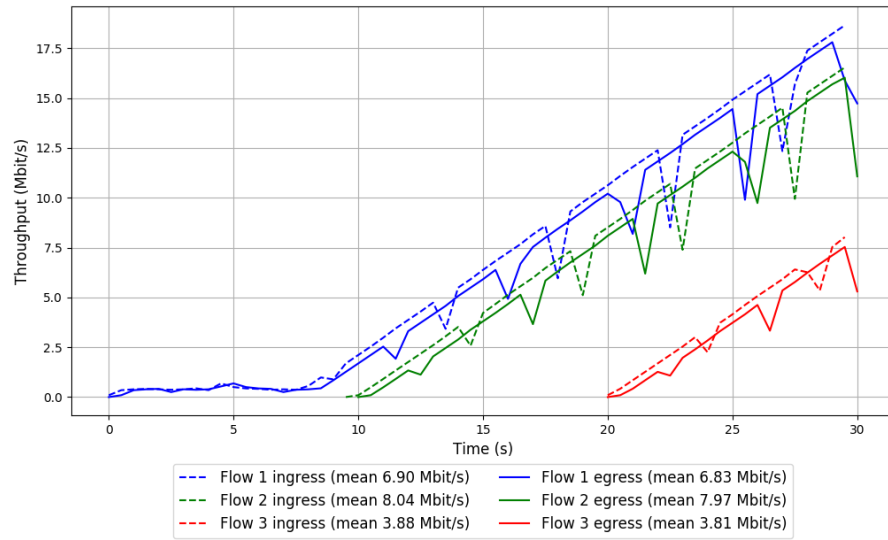


Run 5: Statistics of LEDBAT

Start at: 2018-07-25 03:34:00
End at: 2018-07-25 03:34:30
Local clock offset: -0.155 ms
Remote clock offset: -0.205 ms

Below is generated by plot.py at 2018-07-25 07:51:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.37 Mbit/s
95th percentile per-packet one-way delay: 87.627 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 6.83 Mbit/s
95th percentile per-packet one-way delay: 88.026 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 7.97 Mbit/s
95th percentile per-packet one-way delay: 87.506 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 3.81 Mbit/s
95th percentile per-packet one-way delay: 86.818 ms
Loss rate: 3.55%

Run 5: Report of LEDBAT — Data Link

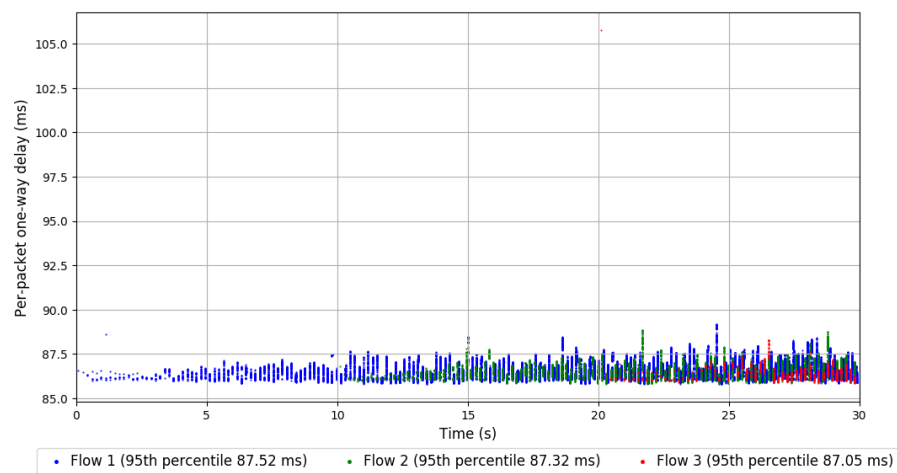
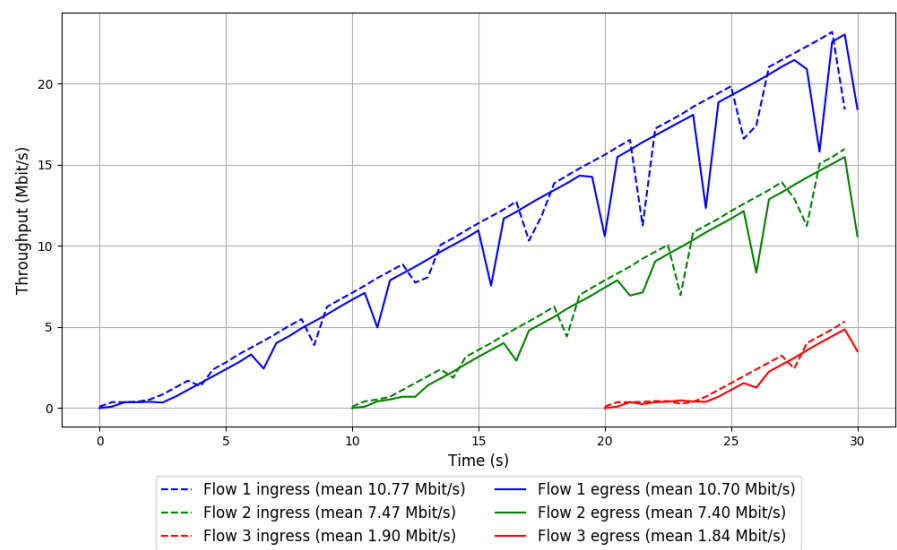


Run 6: Statistics of LEDBAT

Start at: 2018-07-25 03:58:03
End at: 2018-07-25 03:58:33
Local clock offset: -0.068 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-25 07:51:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.20 Mbit/s
95th percentile per-packet one-way delay: 87.465 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 10.70 Mbit/s
95th percentile per-packet one-way delay: 87.523 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 7.40 Mbit/s
95th percentile per-packet one-way delay: 87.316 ms
Loss rate: 1.81%
-- Flow 3:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 87.052 ms
Loss rate: 4.86%

Run 6: Report of LEDBAT — Data Link

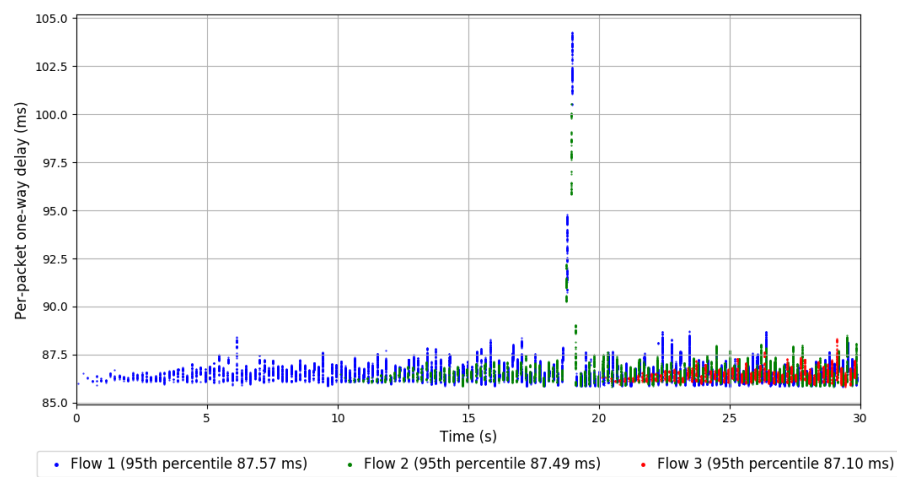
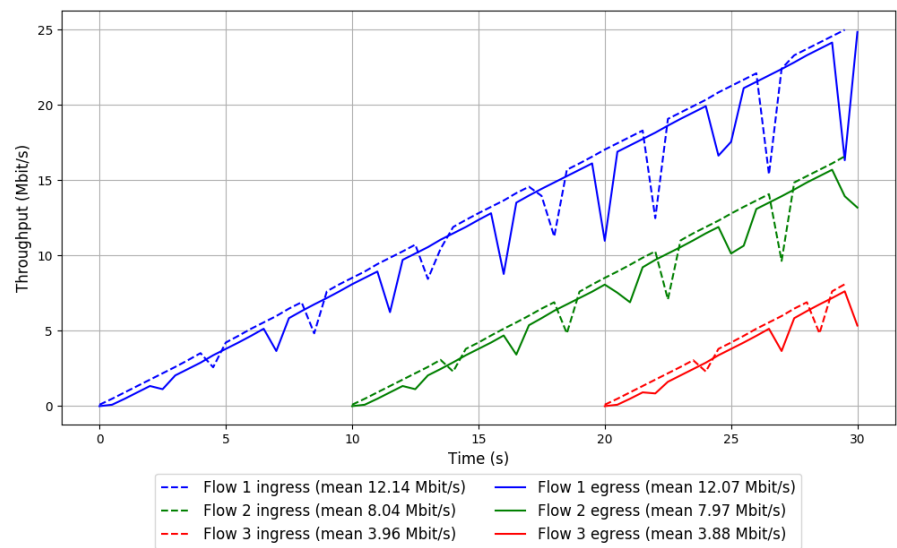


```
Run 7: Statistics of LEDBAT

Start at: 2018-07-25 04:22:25
End at: 2018-07-25 04:22:55
Local clock offset: -0.2 ms
Remote clock offset: 0.055 ms

# Below is generated by plot.py at 2018-07-25 07:51:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.62 Mbit/s
95th percentile per-packet one-way delay: 87.515 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 87.566 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 7.97 Mbit/s
95th percentile per-packet one-way delay: 87.493 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 87.097 ms
Loss rate: 3.52%
```

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-25 04:47:08

End at: 2018-07-25 04:47:38

Local clock offset: -0.085 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-25 07:51:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.62 Mbit/s

95th percentile per-packet one-way delay: 87.676 ms

Loss rate: 1.48%

-- Flow 1:

Average throughput: 12.06 Mbit/s

95th percentile per-packet one-way delay: 87.718 ms

Loss rate: 1.15%

-- Flow 2:

Average throughput: 7.98 Mbit/s

95th percentile per-packet one-way delay: 87.656 ms

Loss rate: 1.74%

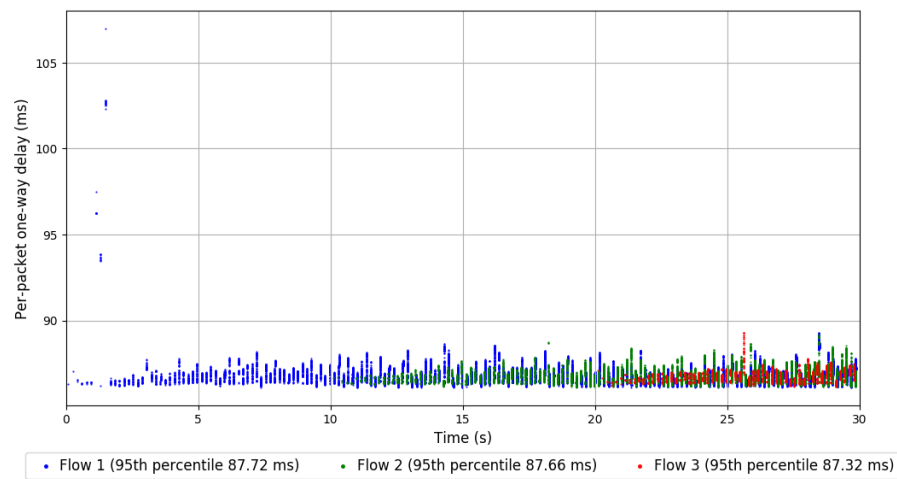
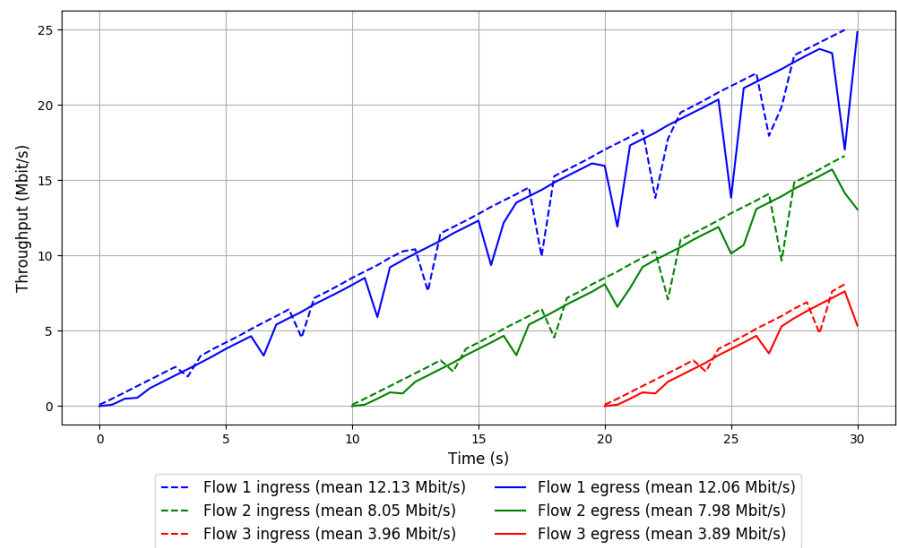
-- Flow 3:

Average throughput: 3.89 Mbit/s

95th percentile per-packet one-way delay: 87.323 ms

Loss rate: 3.52%

Run 8: Report of LEDBAT — Data Link

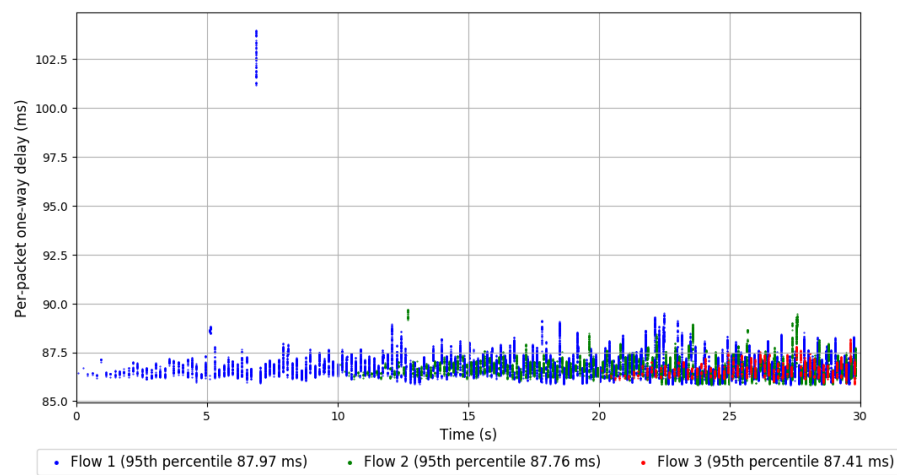
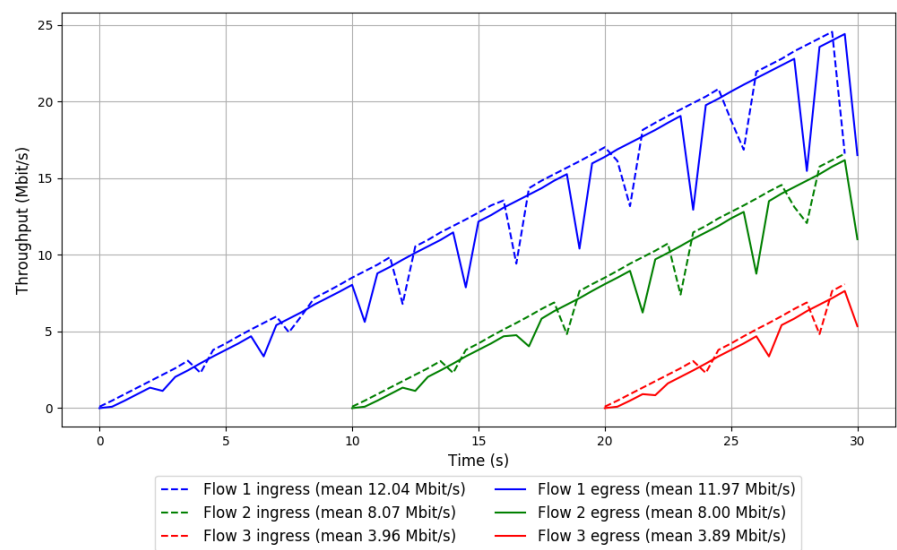


Run 9: Statistics of LEDBAT

Start at: 2018-07-25 05:11:16
End at: 2018-07-25 05:11:46
Local clock offset: -0.044 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-07-25 07:51:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.52 Mbit/s
95th percentile per-packet one-way delay: 87.891 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 11.97 Mbit/s
95th percentile per-packet one-way delay: 87.973 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 8.00 Mbit/s
95th percentile per-packet one-way delay: 87.760 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 87.409 ms
Loss rate: 3.51%

Run 9: Report of LEDBAT — Data Link

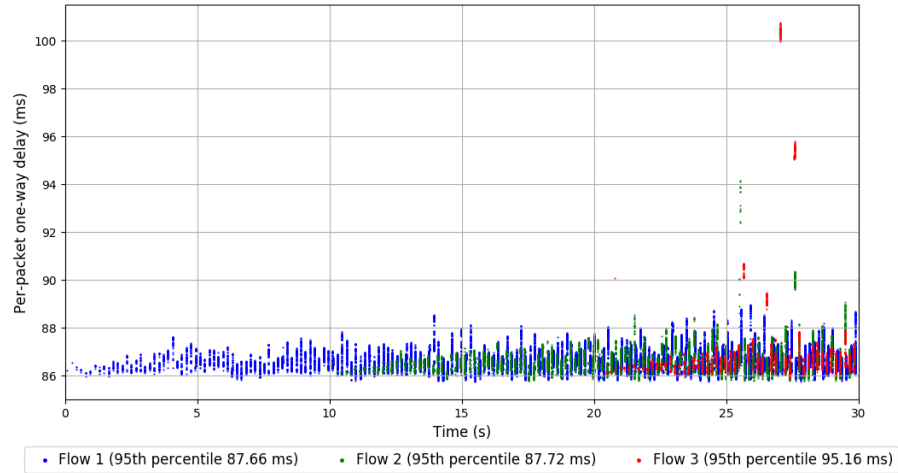
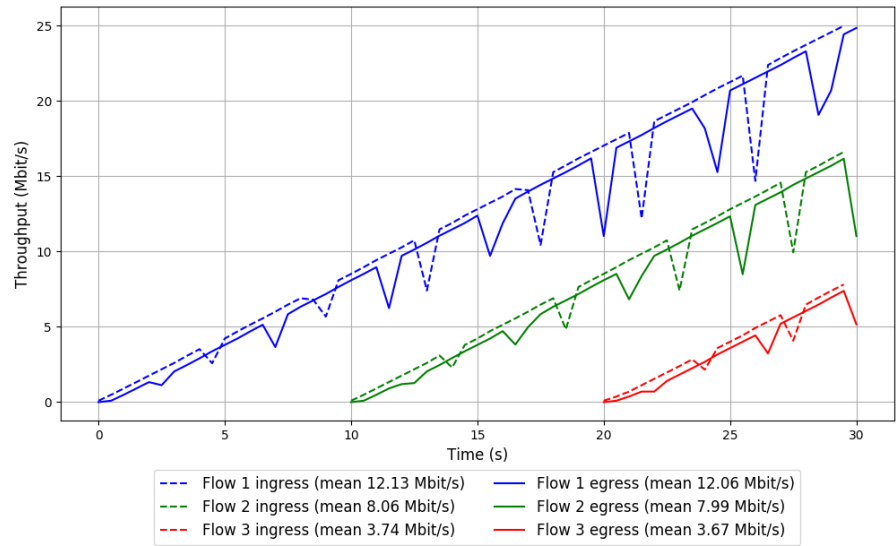


Run 10: Statistics of LEDBAT

Start at: 2018-07-25 05:35:38
End at: 2018-07-25 05:36:08
Local clock offset: -0.123 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-25 07:51:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.55 Mbit/s
95th percentile per-packet one-way delay: 87.707 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 12.06 Mbit/s
95th percentile per-packet one-way delay: 87.663 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 7.99 Mbit/s
95th percentile per-packet one-way delay: 87.718 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 3.67 Mbit/s
95th percentile per-packet one-way delay: 95.160 ms
Loss rate: 3.58%

Run 10: Report of LEDBAT — Data Link

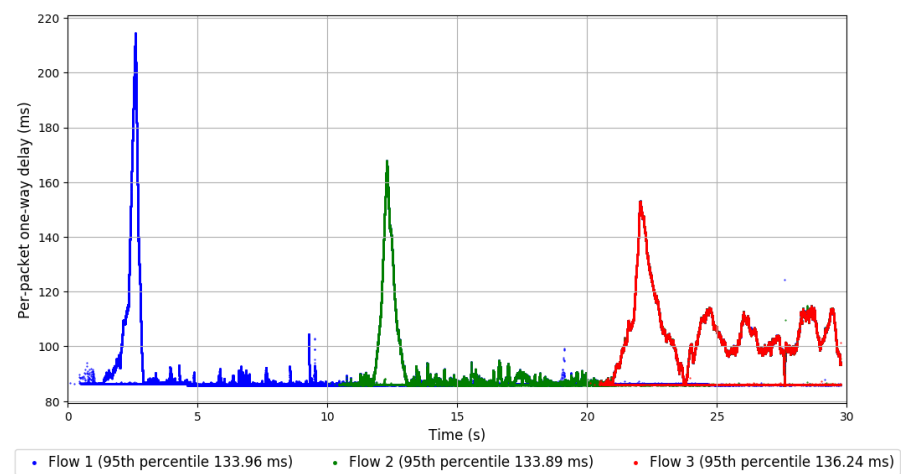
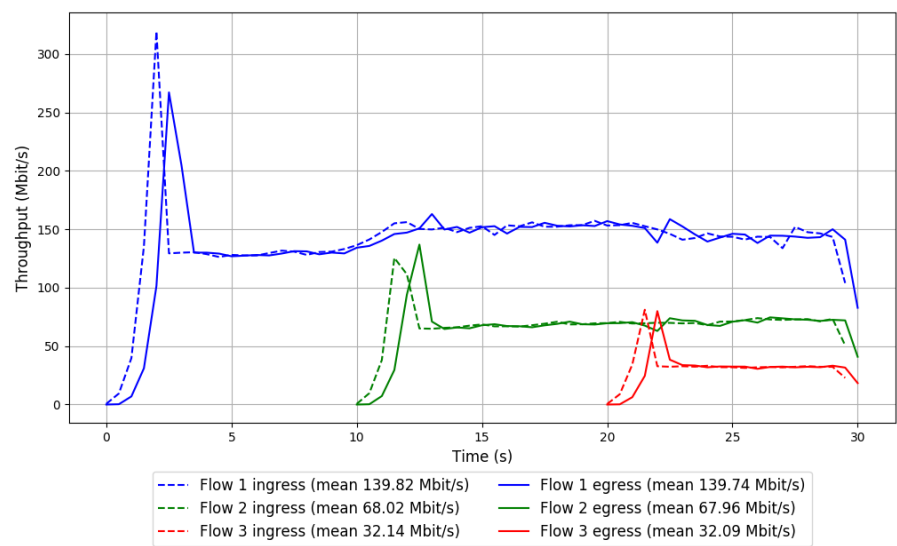


Run 1: Statistics of PCC-Allegro

Start at: 2018-07-25 02:00:14
End at: 2018-07-25 02:00:44
Local clock offset: 0.081 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-25 07:51:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 195.20 Mbit/s
95th percentile per-packet one-way delay: 134.205 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 139.74 Mbit/s
95th percentile per-packet one-way delay: 133.961 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 67.96 Mbit/s
95th percentile per-packet one-way delay: 133.892 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 32.09 Mbit/s
95th percentile per-packet one-way delay: 136.237 ms
Loss rate: 1.83%

Run 1: Report of PCC-Allegro — Data Link

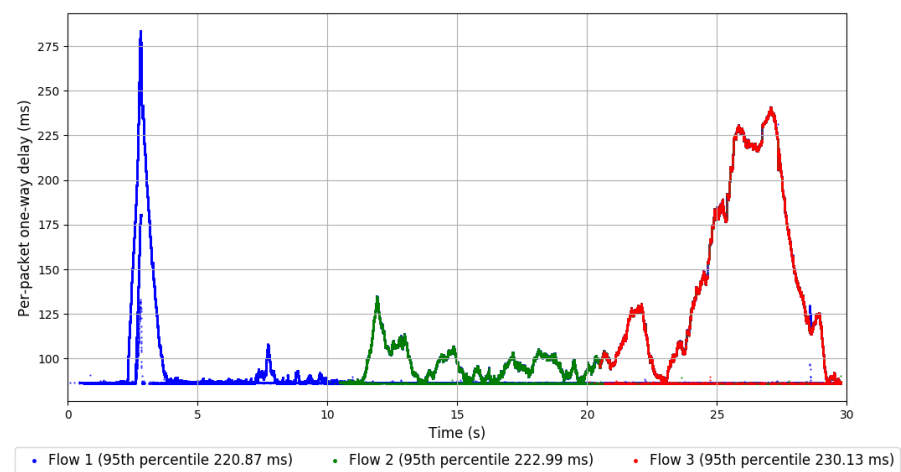
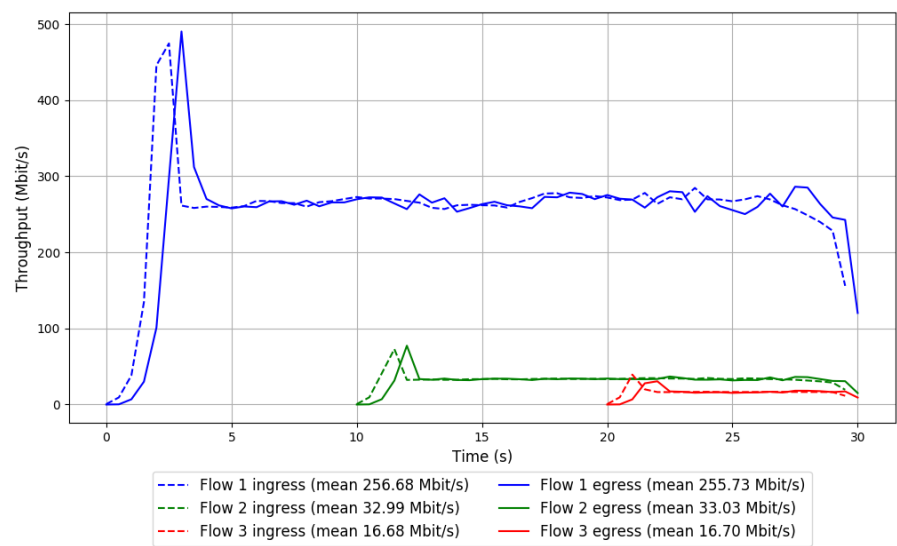


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-25 02:24:31
End at: 2018-07-25 02:25:01
Local clock offset: -0.001 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-07-25 07:51:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 283.04 Mbit/s
95th percentile per-packet one-way delay: 221.689 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 255.73 Mbit/s
95th percentile per-packet one-way delay: 220.871 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 33.03 Mbit/s
95th percentile per-packet one-way delay: 222.993 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 16.70 Mbit/s
95th percentile per-packet one-way delay: 230.131 ms
Loss rate: 1.66%

Run 2: Report of PCC-Allegro — Data Link

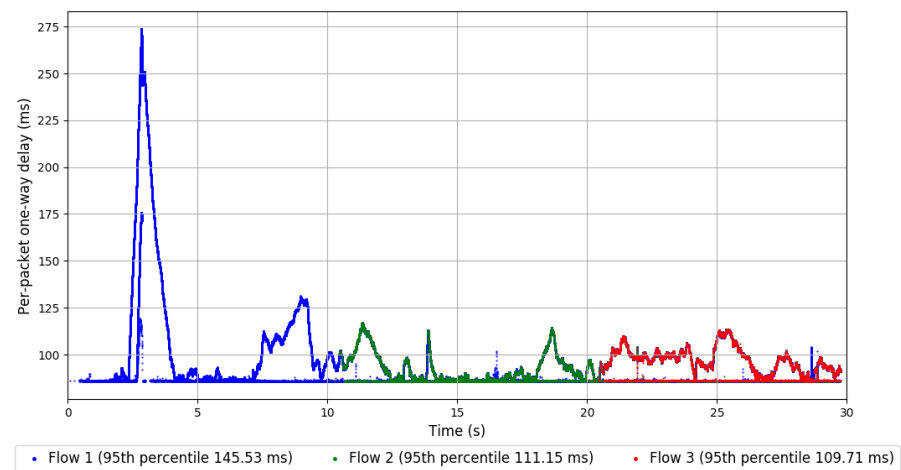
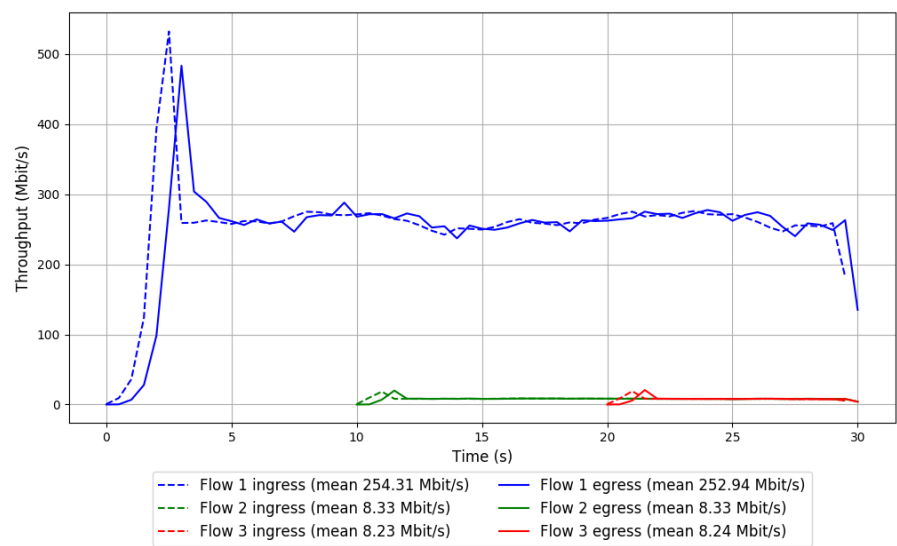


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-25 02:48:51
End at: 2018-07-25 02:49:21
Local clock offset: -0.026 ms
Remote clock offset: -0.172 ms

```
# Below is generated by plot.py at 2018-07-25 07:51:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 261.13 Mbit/s
95th percentile per-packet one-way delay: 142.110 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 252.94 Mbit/s
95th percentile per-packet one-way delay: 145.528 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 8.33 Mbit/s
95th percentile per-packet one-way delay: 111.146 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 8.24 Mbit/s
95th percentile per-packet one-way delay: 109.714 ms
Loss rate: 1.72%
```


Run 3: Report of PCC-Allegro — Data Link

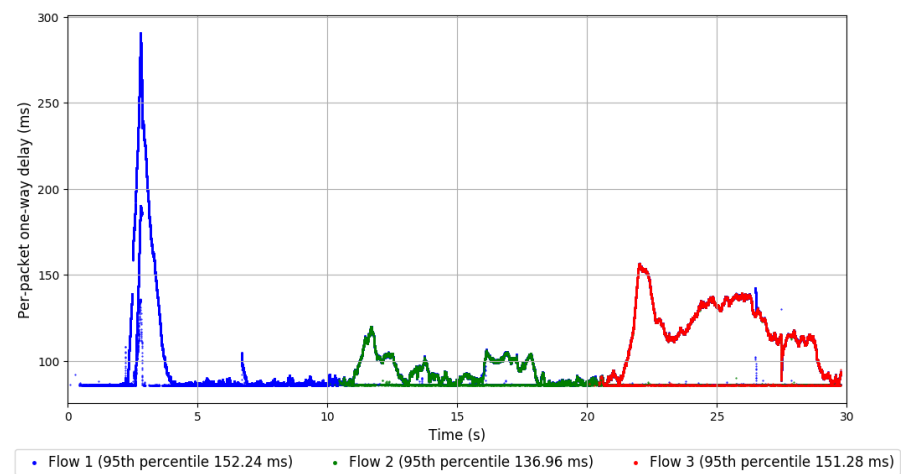
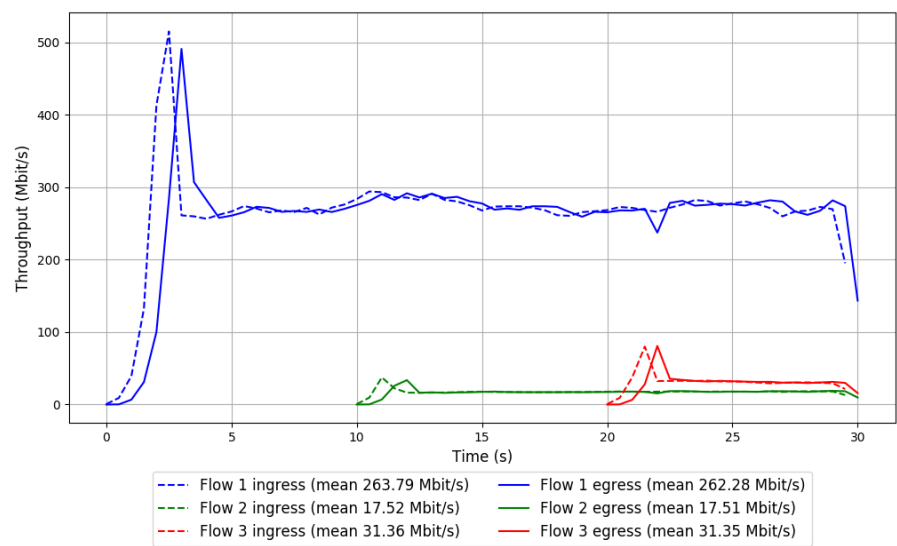


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-25 03:13:20
End at: 2018-07-25 03:13:50
Local clock offset: -0.207 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-07-25 07:51:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 284.09 Mbit/s
95th percentile per-packet one-way delay: 151.688 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 262.28 Mbit/s
95th percentile per-packet one-way delay: 152.235 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 17.51 Mbit/s
95th percentile per-packet one-way delay: 136.956 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 31.35 Mbit/s
95th percentile per-packet one-way delay: 151.282 ms
Loss rate: 1.77%

Run 4: Report of PCC-Allegro — Data Link

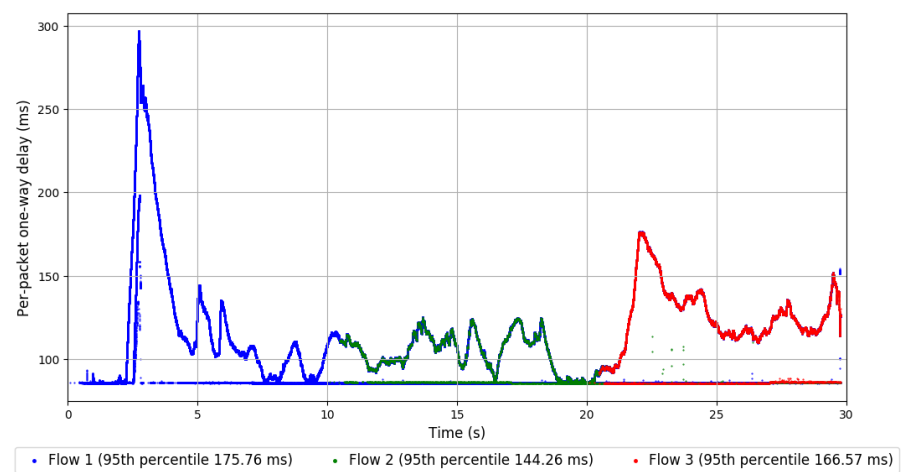
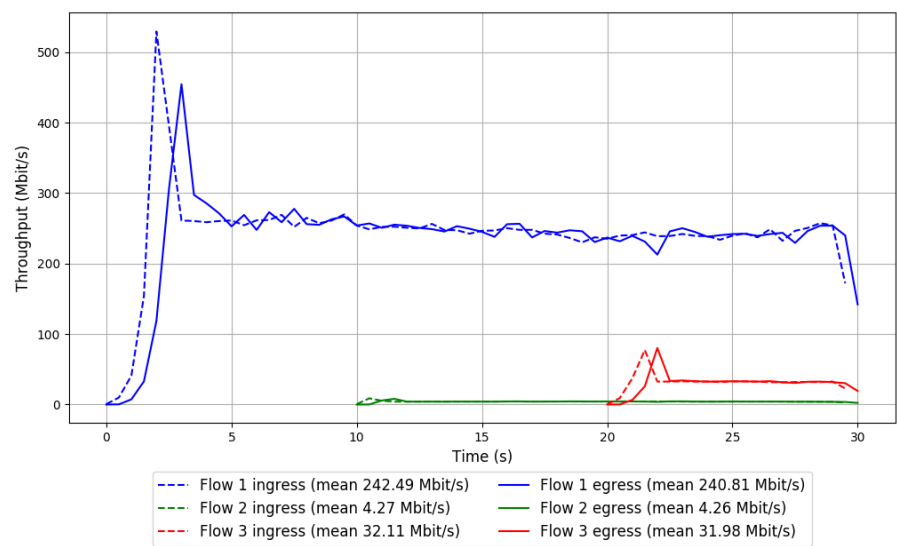


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-25 03:37:51
End at: 2018-07-25 03:38:21
Local clock offset: -0.166 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2018-07-25 07:51:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 254.02 Mbit/s
95th percentile per-packet one-way delay: 175.401 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 240.81 Mbit/s
95th percentile per-packet one-way delay: 175.758 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 144.256 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 31.98 Mbit/s
95th percentile per-packet one-way delay: 166.571 ms
Loss rate: 2.12%

Run 5: Report of PCC-Allegro — Data Link

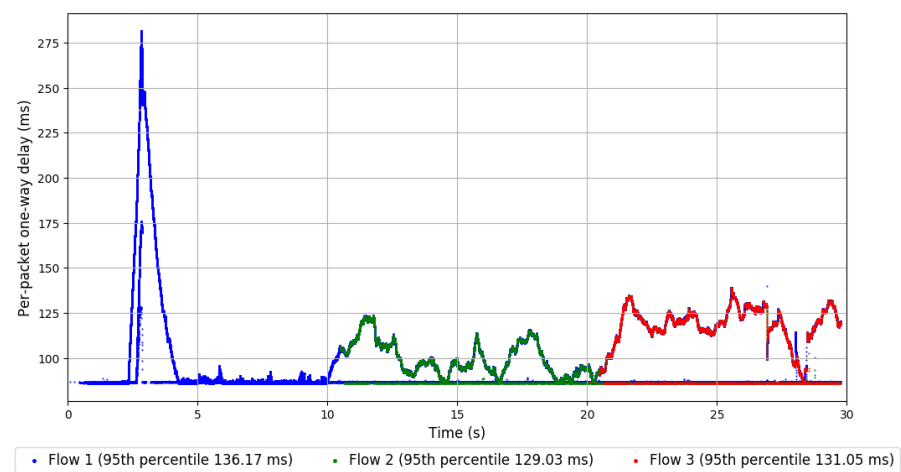
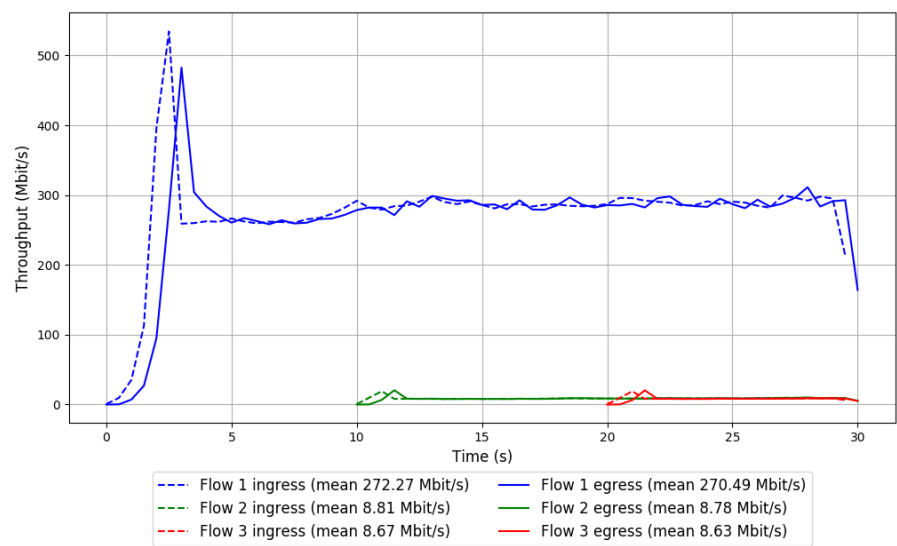


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-25 04:01:54
End at: 2018-07-25 04:02:24
Local clock offset: 0.058 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-25 07:51:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 279.12 Mbit/s
95th percentile per-packet one-way delay: 135.351 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 270.49 Mbit/s
95th percentile per-packet one-way delay: 136.170 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 8.78 Mbit/s
95th percentile per-packet one-way delay: 129.032 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 8.63 Mbit/s
95th percentile per-packet one-way delay: 131.048 ms
Loss rate: 2.16%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-25 04:26:21

End at: 2018-07-25 04:26:51

Local clock offset: -0.376 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-07-25 07:51:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 268.97 Mbit/s

95th percentile per-packet one-way delay: 186.223 ms

Loss rate: 1.10%

-- Flow 1:

Average throughput: 247.25 Mbit/s

95th percentile per-packet one-way delay: 187.316 ms

Loss rate: 1.07%

-- Flow 2:

Average throughput: 16.70 Mbit/s

95th percentile per-packet one-way delay: 180.341 ms

Loss rate: 0.88%

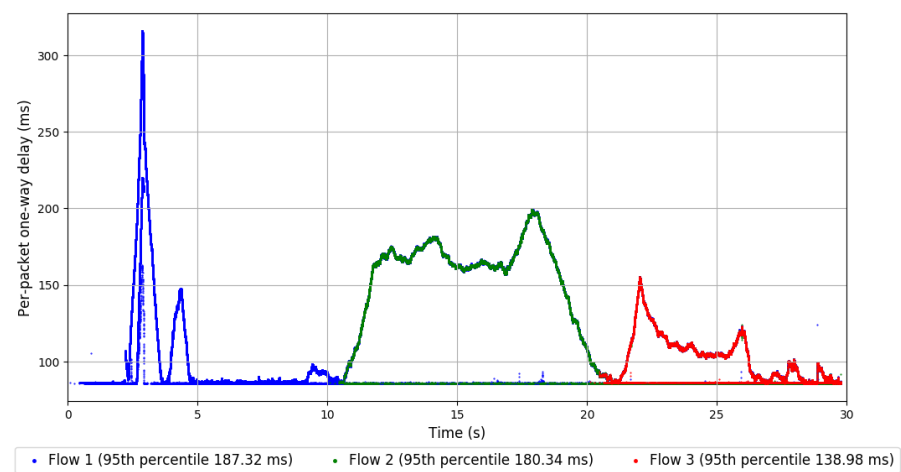
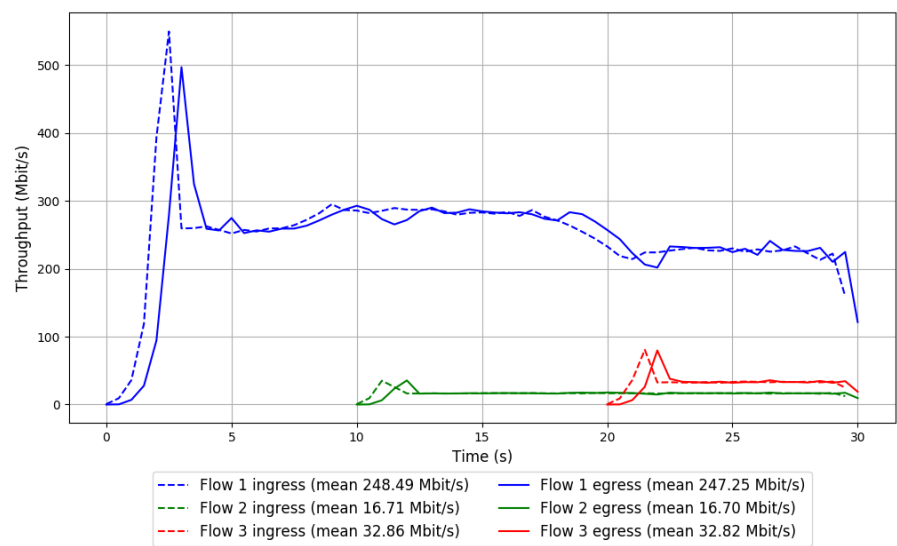
-- Flow 3:

Average throughput: 32.82 Mbit/s

95th percentile per-packet one-way delay: 138.981 ms

Loss rate: 1.85%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-25 04:51:02

End at: 2018-07-25 04:51:32

Local clock offset: -0.032 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-25 07:51:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 193.77 Mbit/s

95th percentile per-packet one-way delay: 152.086 ms

Loss rate: 1.16%

-- Flow 1:

Average throughput: 144.00 Mbit/s

95th percentile per-packet one-way delay: 151.683 ms

Loss rate: 1.07%

-- Flow 2:

Average throughput: 67.15 Mbit/s

95th percentile per-packet one-way delay: 153.556 ms

Loss rate: 1.30%

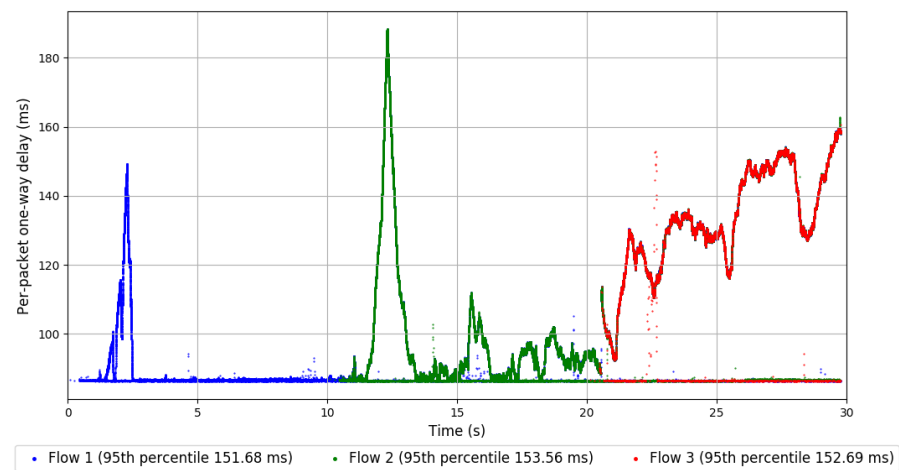
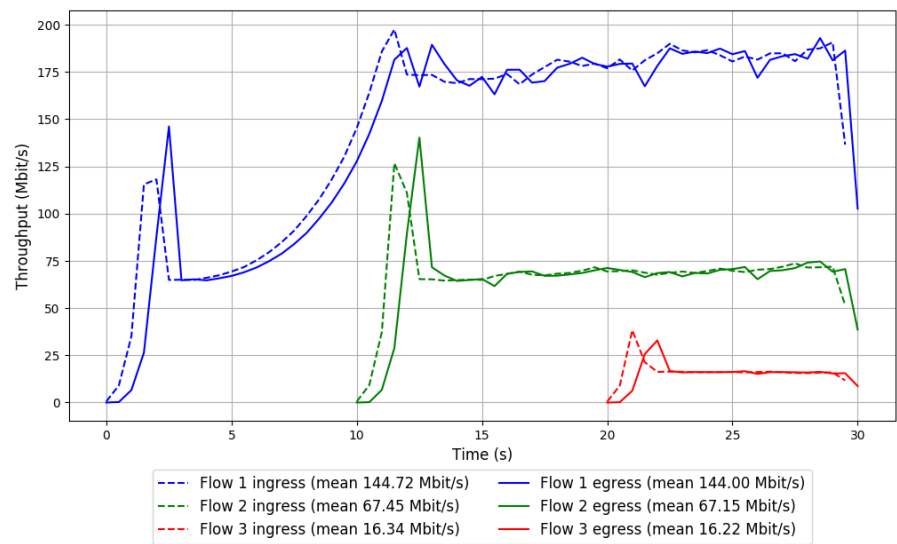
-- Flow 3:

Average throughput: 16.22 Mbit/s

95th percentile per-packet one-way delay: 152.694 ms

Loss rate: 2.45%

Run 8: Report of PCC-Allegro — Data Link

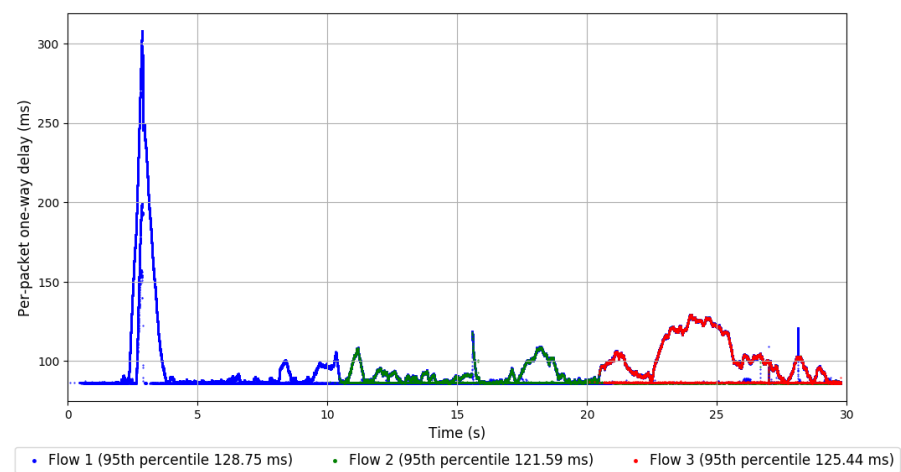
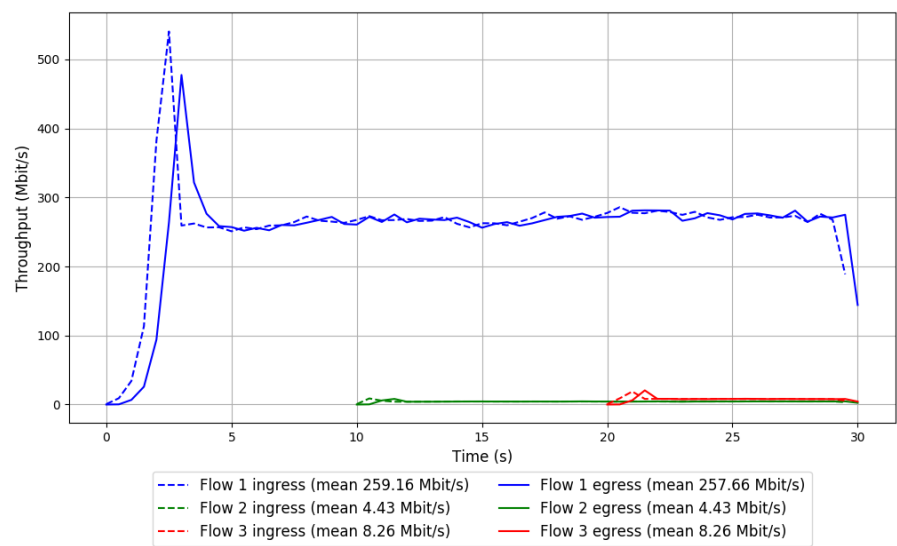


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-25 05:15:07
End at: 2018-07-25 05:15:37
Local clock offset: 0.005 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2018-07-25 07:51:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 263.26 Mbit/s
95th percentile per-packet one-way delay: 128.425 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 257.66 Mbit/s
95th percentile per-packet one-way delay: 128.746 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 121.586 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 8.26 Mbit/s
95th percentile per-packet one-way delay: 125.445 ms
Loss rate: 1.68%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-25 05:39:34

End at: 2018-07-25 05:40:04

Local clock offset: -0.088 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-07-25 07:51:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 279.74 Mbit/s

95th percentile per-packet one-way delay: 166.640 ms

Loss rate: 1.10%

-- Flow 1:

Average throughput: 246.63 Mbit/s

95th percentile per-packet one-way delay: 174.942 ms

Loss rate: 1.09%

-- Flow 2:

Average throughput: 33.94 Mbit/s

95th percentile per-packet one-way delay: 158.104 ms

Loss rate: 0.89%

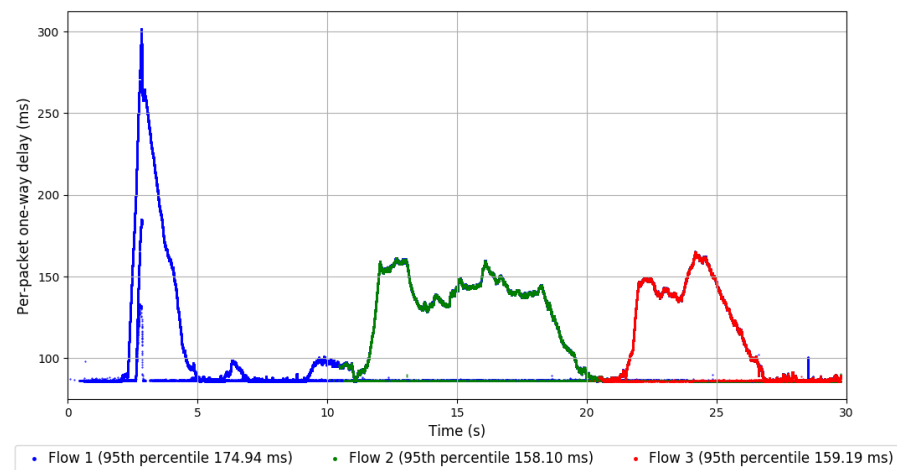
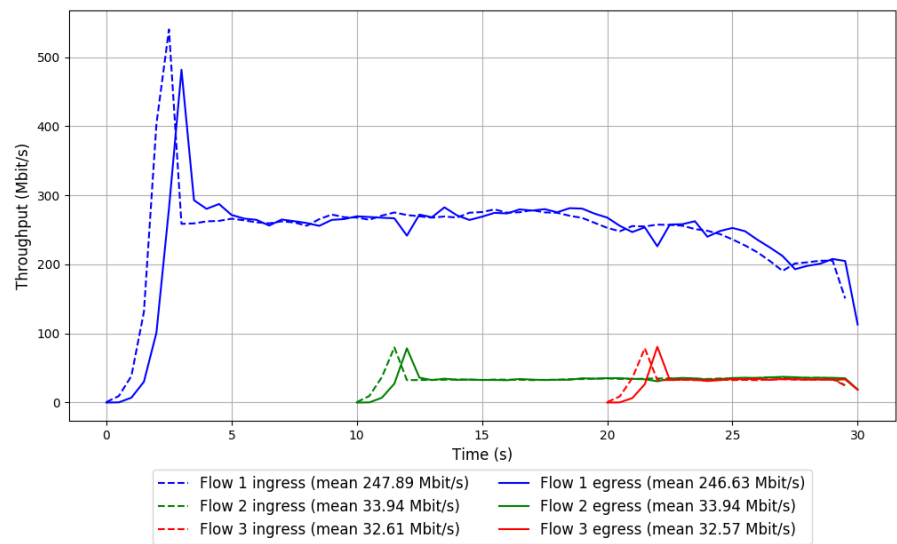
-- Flow 3:

Average throughput: 32.57 Mbit/s

95th percentile per-packet one-way delay: 159.195 ms

Loss rate: 1.88%

Run 10: Report of PCC-Allegro — Data Link

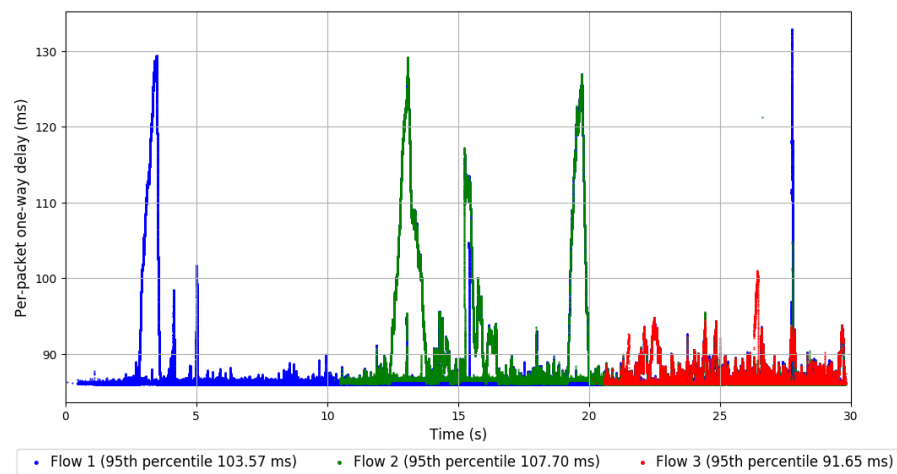
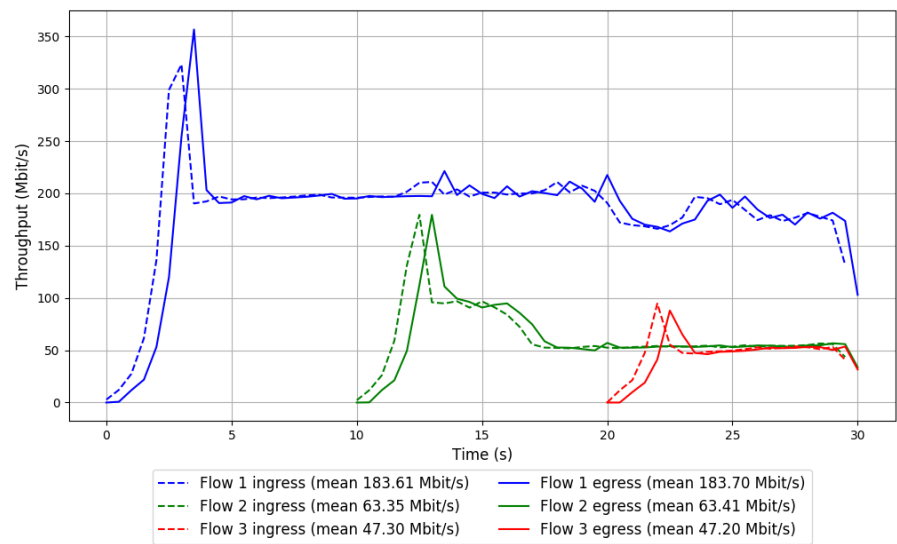


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-25 01:53:08
End at: 2018-07-25 01:53:38
Local clock offset: 0.296 ms
Remote clock offset: -0.071 ms

# Below is generated by plot.py at 2018-07-25 07:51:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 241.10 Mbit/s
95th percentile per-packet one-way delay: 103.256 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 183.70 Mbit/s
95th percentile per-packet one-way delay: 103.567 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 63.41 Mbit/s
95th percentile per-packet one-way delay: 107.704 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 47.20 Mbit/s
95th percentile per-packet one-way delay: 91.652 ms
Loss rate: 1.97%
```


Run 1: Report of PCC-Expr — Data Link

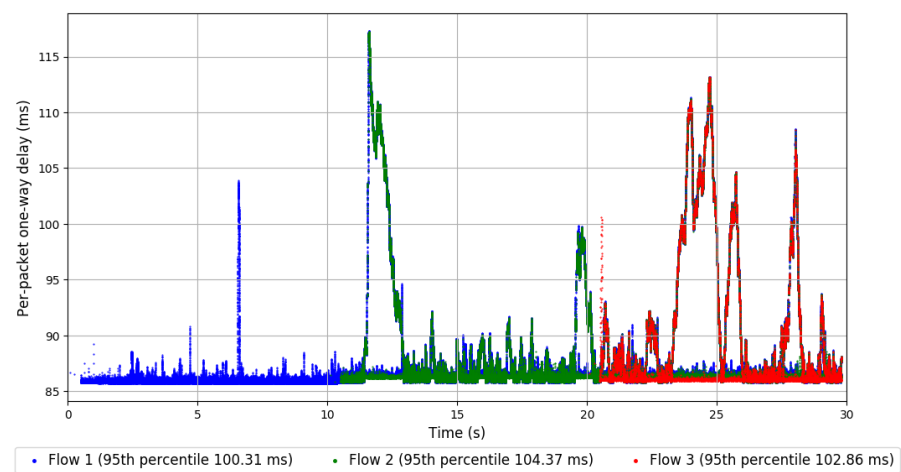
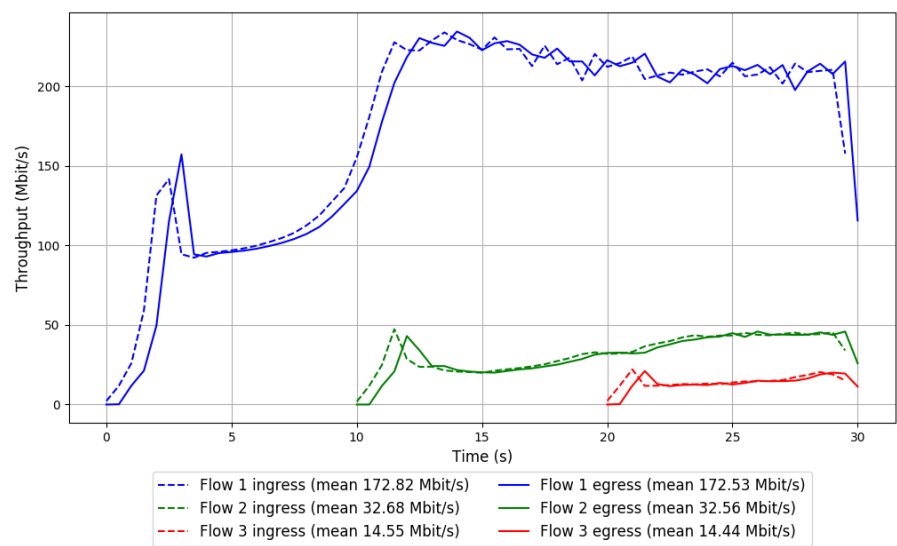


Run 2: Statistics of PCC-Expr

Start at: 2018-07-25 02:17:28
End at: 2018-07-25 02:17:58
Local clock offset: -0.129 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-07-25 07:51:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 198.81 Mbit/s
95th percentile per-packet one-way delay: 100.896 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 172.53 Mbit/s
95th percentile per-packet one-way delay: 100.311 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 32.56 Mbit/s
95th percentile per-packet one-way delay: 104.370 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 14.44 Mbit/s
95th percentile per-packet one-way delay: 102.861 ms
Loss rate: 2.50%

Run 2: Report of PCC-Expr — Data Link

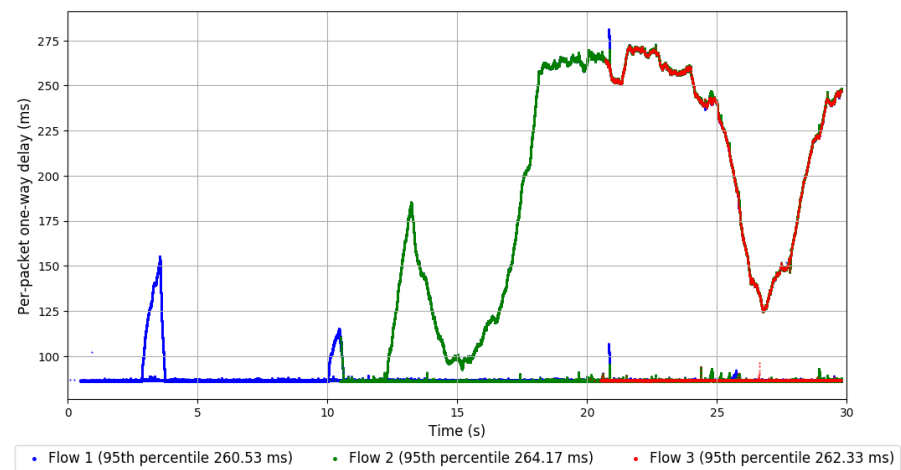
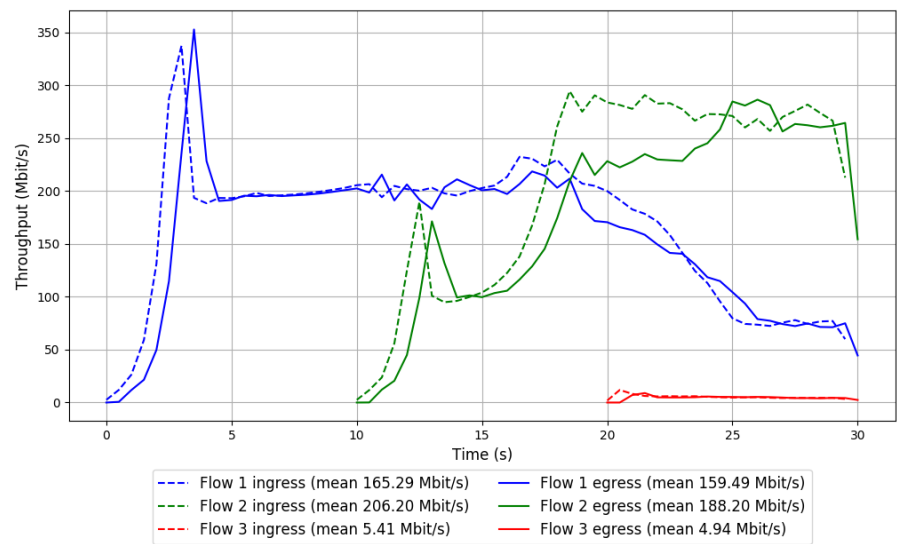


Run 3: Statistics of PCC-Expr

Start at: 2018-07-25 02:41:40
End at: 2018-07-25 02:42:10
Local clock offset: 0.113 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-07-25 07:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 285.86 Mbit/s
95th percentile per-packet one-way delay: 262.126 ms
Loss rate: 6.57%
-- Flow 1:
Average throughput: 159.49 Mbit/s
95th percentile per-packet one-way delay: 260.528 ms
Loss rate: 4.07%
-- Flow 2:
Average throughput: 188.20 Mbit/s
95th percentile per-packet one-way delay: 264.174 ms
Loss rate: 9.53%
-- Flow 3:
Average throughput: 4.94 Mbit/s
95th percentile per-packet one-way delay: 262.334 ms
Loss rate: 10.33%

Run 3: Report of PCC-Expr — Data Link

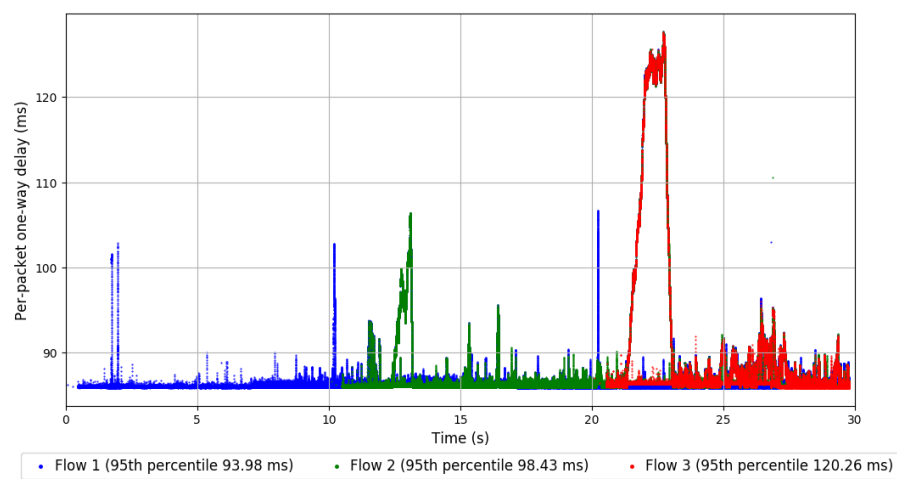
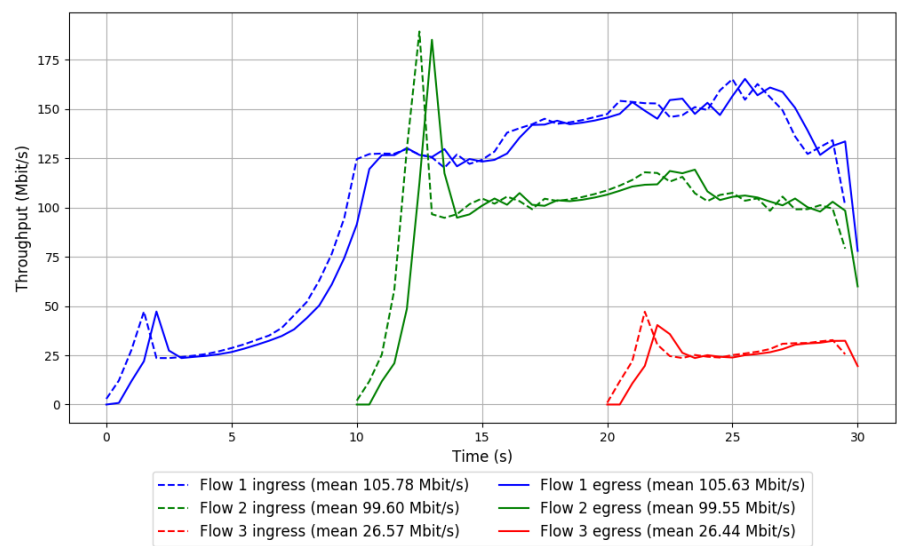


Run 4: Statistics of PCC-Expr

Start at: 2018-07-25 03:06:21
End at: 2018-07-25 03:06:51
Local clock offset: 0.022 ms
Remote clock offset: -0.163 ms

Below is generated by plot.py at 2018-07-25 07:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 180.27 Mbit/s
95th percentile per-packet one-way delay: 96.508 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 105.63 Mbit/s
95th percentile per-packet one-way delay: 93.981 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 99.55 Mbit/s
95th percentile per-packet one-way delay: 98.430 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 26.44 Mbit/s
95th percentile per-packet one-way delay: 120.262 ms
Loss rate: 2.24%

Run 4: Report of PCC-Expr — Data Link

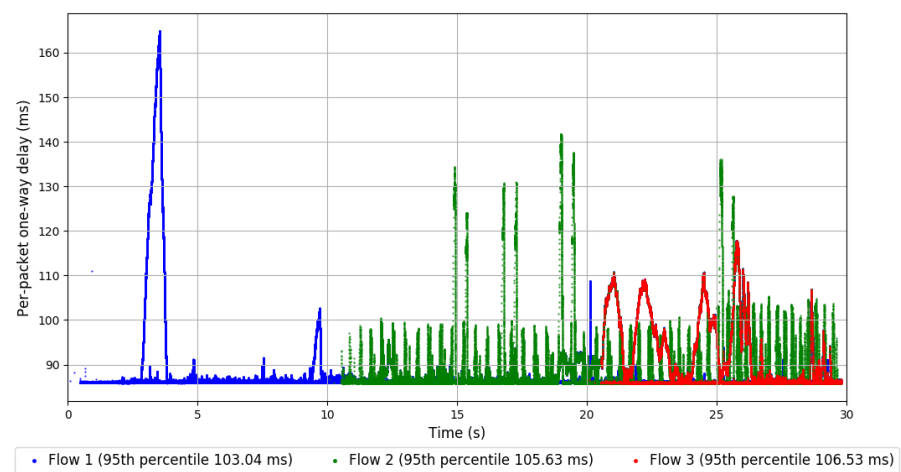
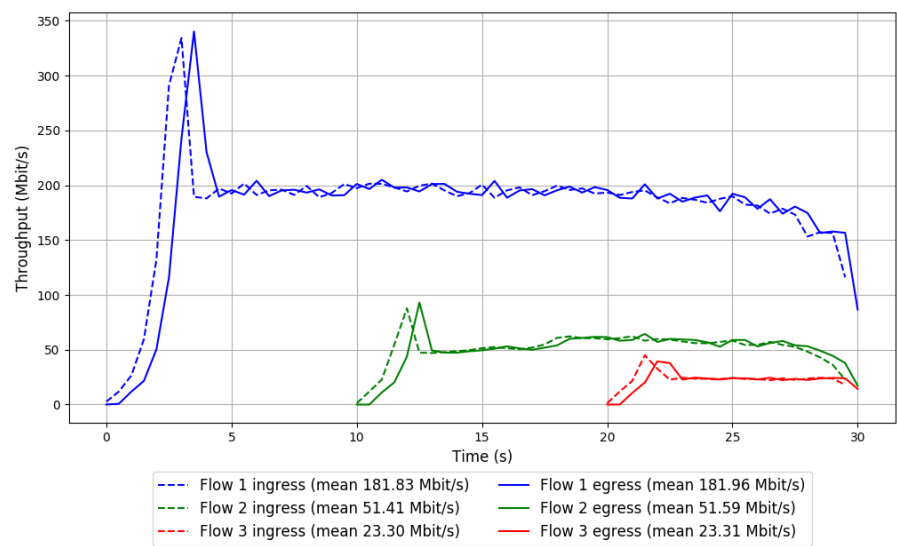


Run 5: Statistics of PCC-Expr

Start at: 2018-07-25 03:30:44
End at: 2018-07-25 03:31:14
Local clock offset: -0.018 ms
Remote clock offset: -0.184 ms

Below is generated by plot.py at 2018-07-25 07:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 223.77 Mbit/s
95th percentile per-packet one-way delay: 103.928 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 181.96 Mbit/s
95th percentile per-packet one-way delay: 103.036 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 51.59 Mbit/s
95th percentile per-packet one-way delay: 105.628 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 23.31 Mbit/s
95th percentile per-packet one-way delay: 106.534 ms
Loss rate: 1.72%

Run 5: Report of PCC-Expr — Data Link

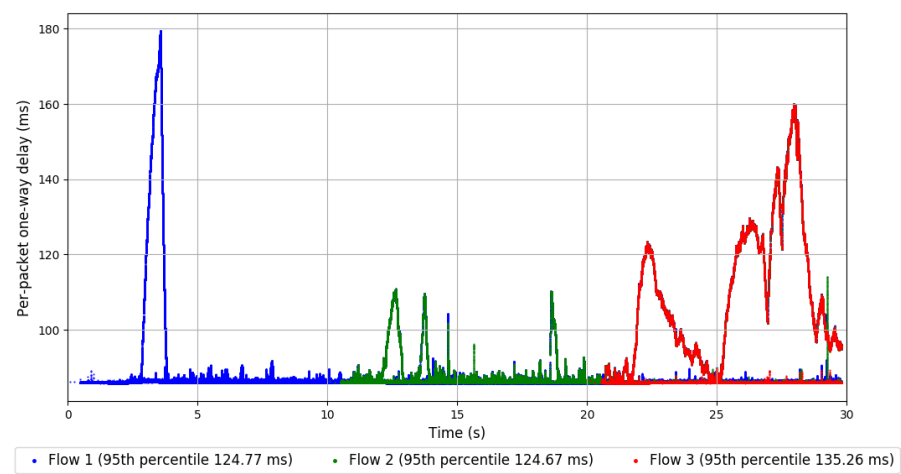
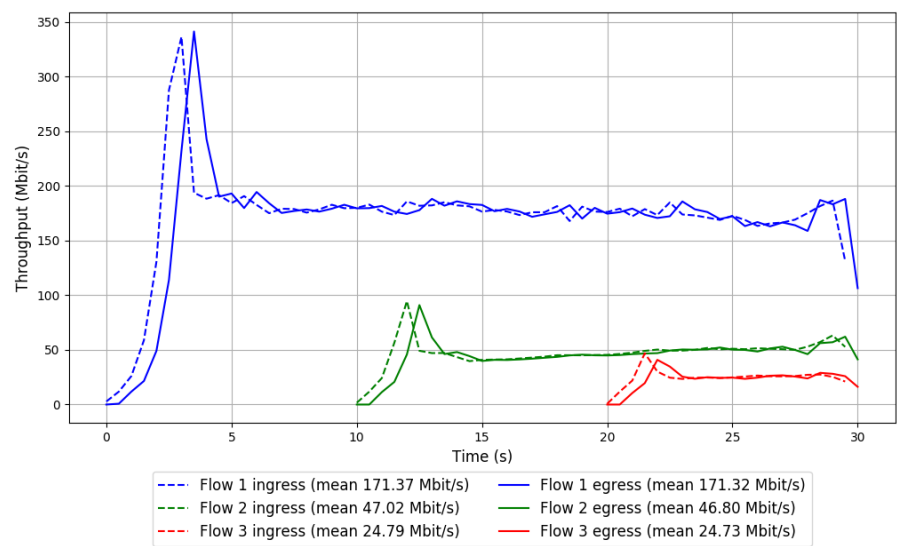


Run 6: Statistics of PCC-Expr

Start at: 2018-07-25 03:54:46
End at: 2018-07-25 03:55:16
Local clock offset: -0.017 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-07-25 07:56:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 210.40 Mbit/s
95th percentile per-packet one-way delay: 125.334 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 171.32 Mbit/s
95th percentile per-packet one-way delay: 124.769 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 46.80 Mbit/s
95th percentile per-packet one-way delay: 124.671 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 24.73 Mbit/s
95th percentile per-packet one-way delay: 135.259 ms
Loss rate: 2.02%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-25 04:19:06

End at: 2018-07-25 04:19:36

Local clock offset: 0.235 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-07-25 07:59:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 257.65 Mbit/s

95th percentile per-packet one-way delay: 161.316 ms

Loss rate: 1.31%

-- Flow 1:

Average throughput: 219.96 Mbit/s

95th percentile per-packet one-way delay: 159.770 ms

Loss rate: 1.16%

-- Flow 2:

Average throughput: 48.20 Mbit/s

95th percentile per-packet one-way delay: 167.288 ms

Loss rate: 1.81%

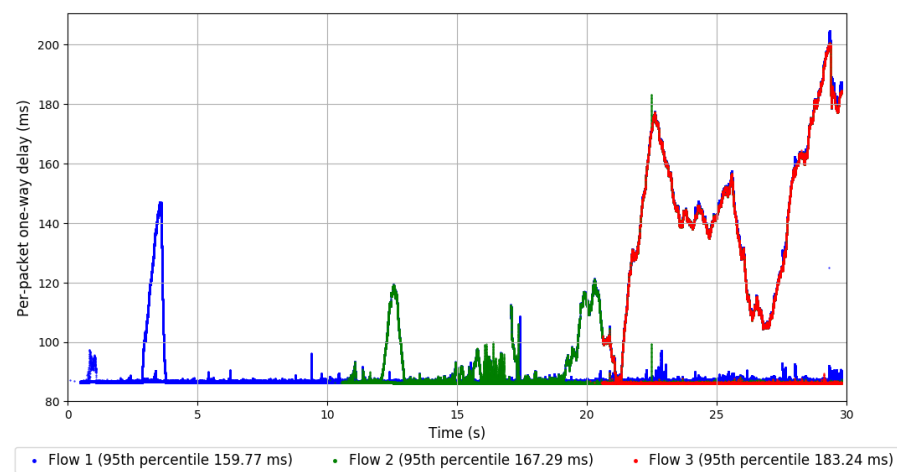
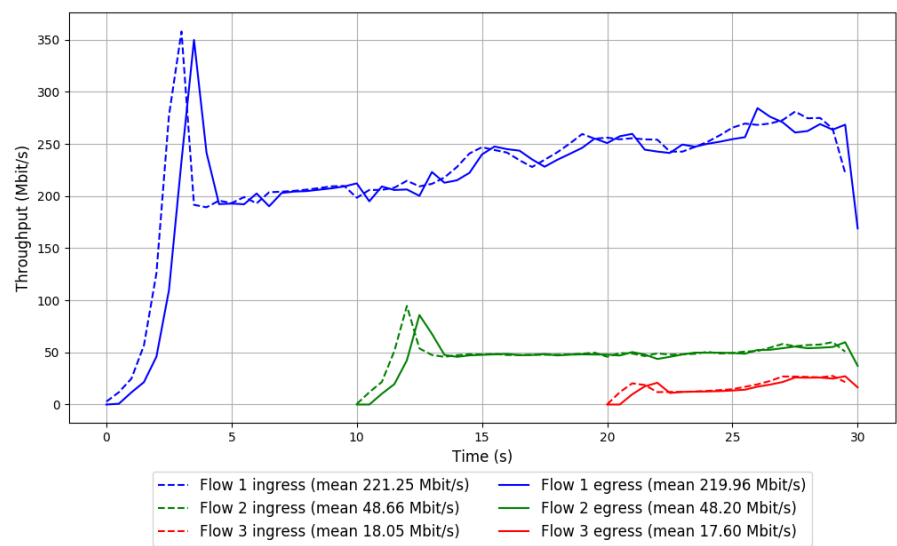
-- Flow 3:

Average throughput: 17.60 Mbit/s

95th percentile per-packet one-way delay: 183.240 ms

Loss rate: 4.20%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-25 04:43:54

End at: 2018-07-25 04:44:24

Local clock offset: -0.168 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-07-25 08:01:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 219.49 Mbit/s

95th percentile per-packet one-way delay: 116.298 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 180.77 Mbit/s

95th percentile per-packet one-way delay: 116.143 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 52.45 Mbit/s

95th percentile per-packet one-way delay: 115.957 ms

Loss rate: 0.81%

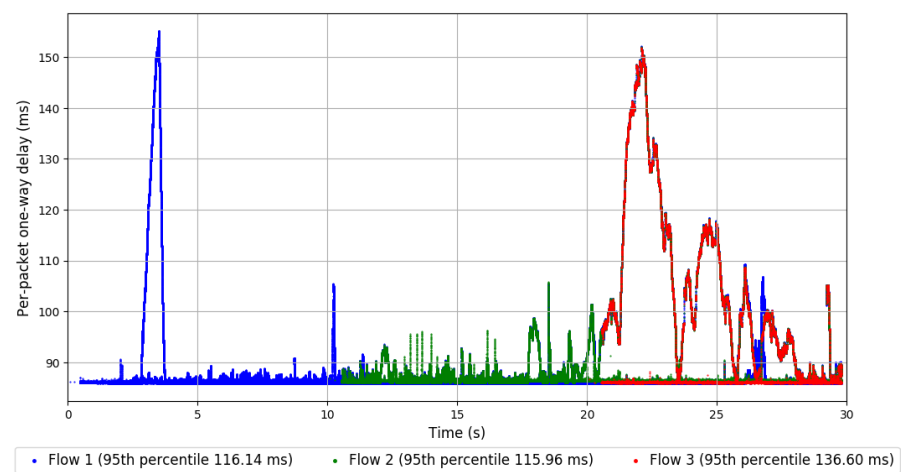
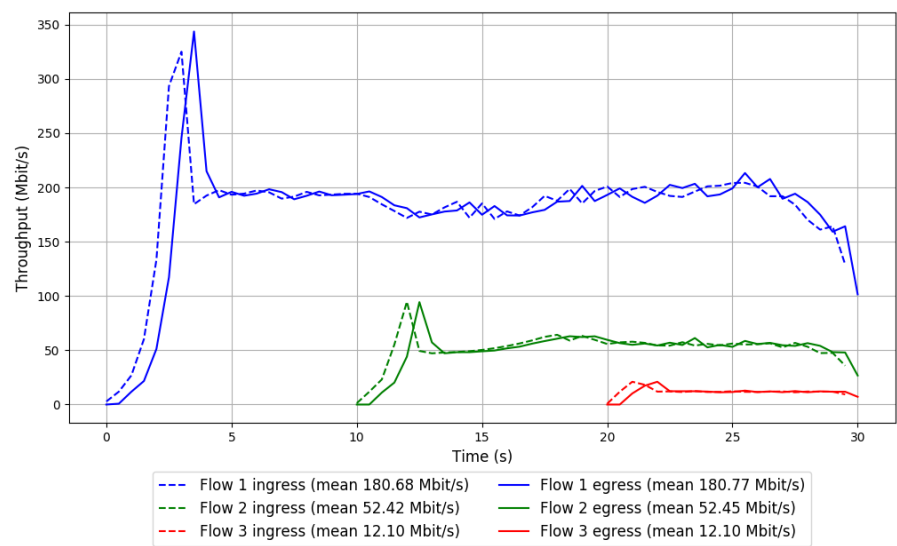
-- Flow 3:

Average throughput: 12.10 Mbit/s

95th percentile per-packet one-way delay: 136.599 ms

Loss rate: 1.81%

Run 8: Report of PCC-Expr — Data Link

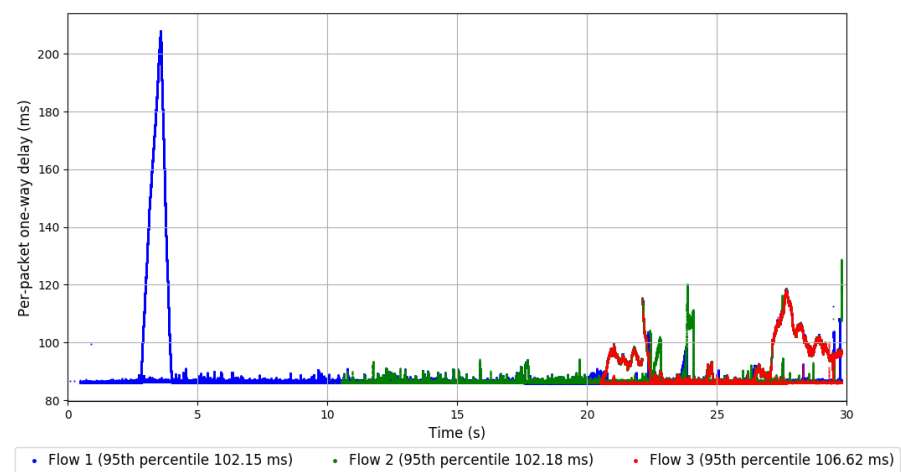
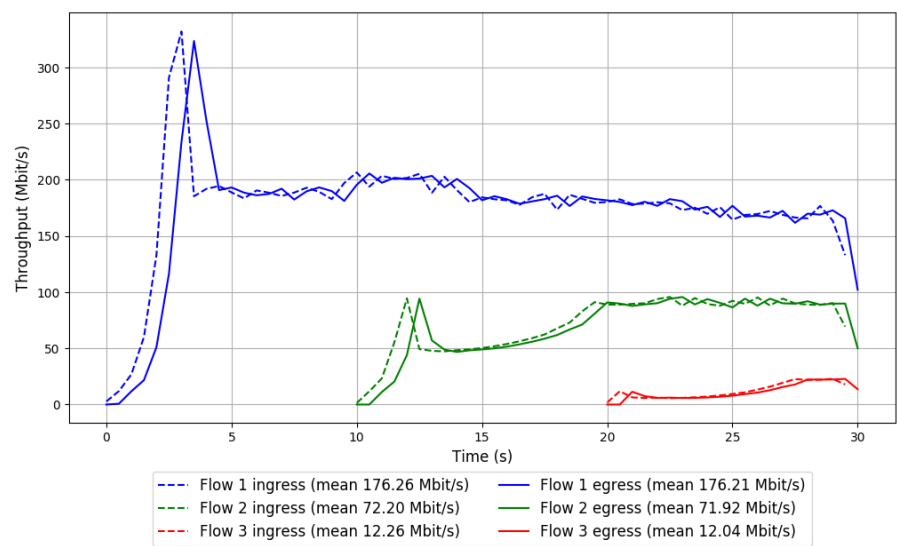


Run 9: Statistics of PCC-Expr

Start at: 2018-07-25 05:08:01
End at: 2018-07-25 05:08:31
Local clock offset: -0.004 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-07-25 08:02:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 227.83 Mbit/s
95th percentile per-packet one-way delay: 102.544 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 176.21 Mbit/s
95th percentile per-packet one-way delay: 102.147 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 71.92 Mbit/s
95th percentile per-packet one-way delay: 102.178 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 12.04 Mbit/s
95th percentile per-packet one-way delay: 106.621 ms
Loss rate: 3.51%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-25 05:32:23

End at: 2018-07-25 05:32:53

Local clock offset: 0.144 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-07-25 08:03:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 245.36 Mbit/s

95th percentile per-packet one-way delay: 159.735 ms

Loss rate: 2.18%

-- Flow 1:

Average throughput: 159.01 Mbit/s

95th percentile per-packet one-way delay: 149.756 ms

Loss rate: 1.32%

-- Flow 2:

Average throughput: 105.04 Mbit/s

95th percentile per-packet one-way delay: 179.599 ms

Loss rate: 2.75%

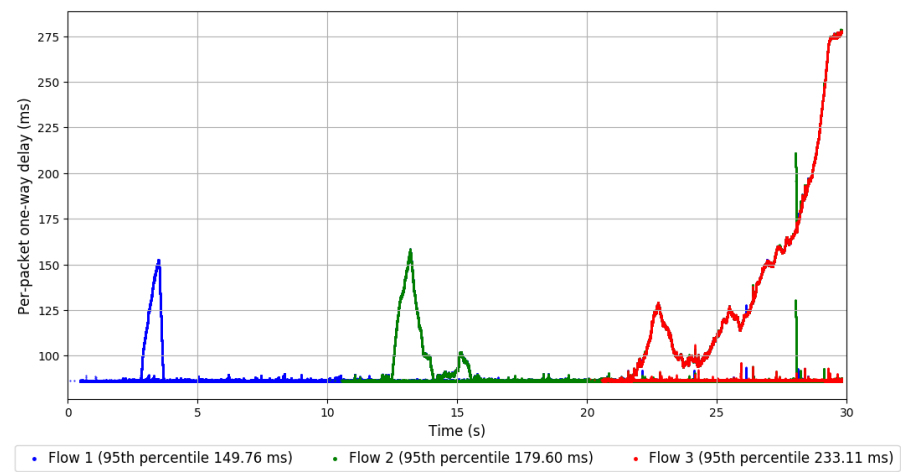
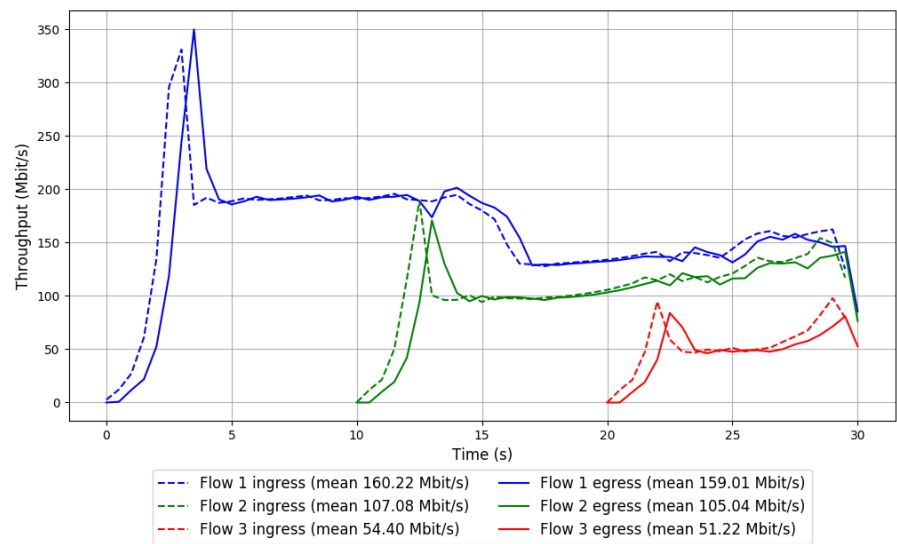
-- Flow 3:

Average throughput: 51.22 Mbit/s

95th percentile per-packet one-way delay: 233.111 ms

Loss rate: 7.50%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-25 01:58:56

End at: 2018-07-25 01:59:26

Local clock offset: 0.107 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-07-25 08:03:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 109.13 Mbit/s

95th percentile per-packet one-way delay: 86.164 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 54.55 Mbit/s

95th percentile per-packet one-way delay: 86.174 ms

Loss rate: 0.73%

-- Flow 2:

Average throughput: 51.41 Mbit/s

95th percentile per-packet one-way delay: 86.167 ms

Loss rate: 0.39%

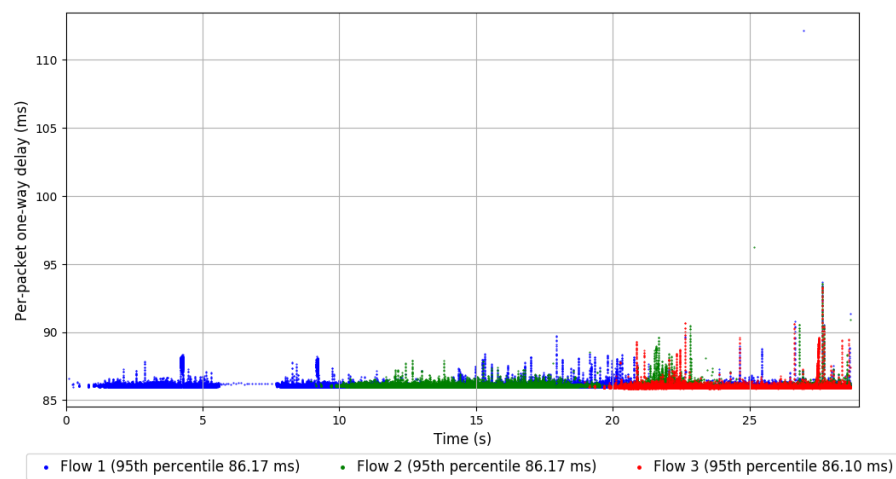
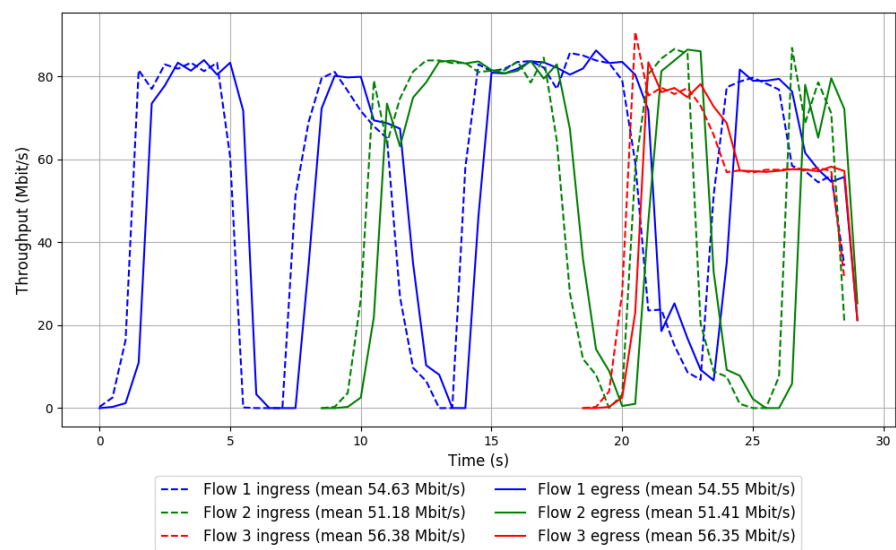
-- Flow 3:

Average throughput: 56.35 Mbit/s

95th percentile per-packet one-way delay: 86.103 ms

Loss rate: 1.79%

Run 1: Report of QUIC Cubic — Data Link

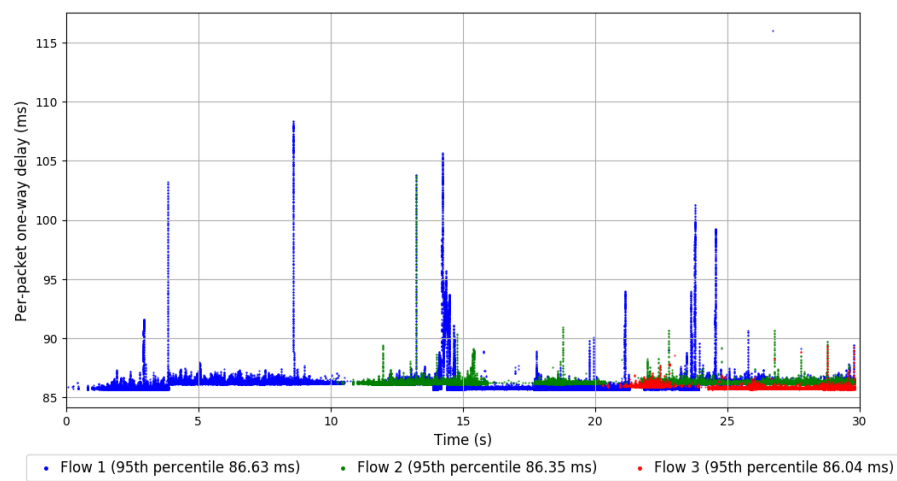
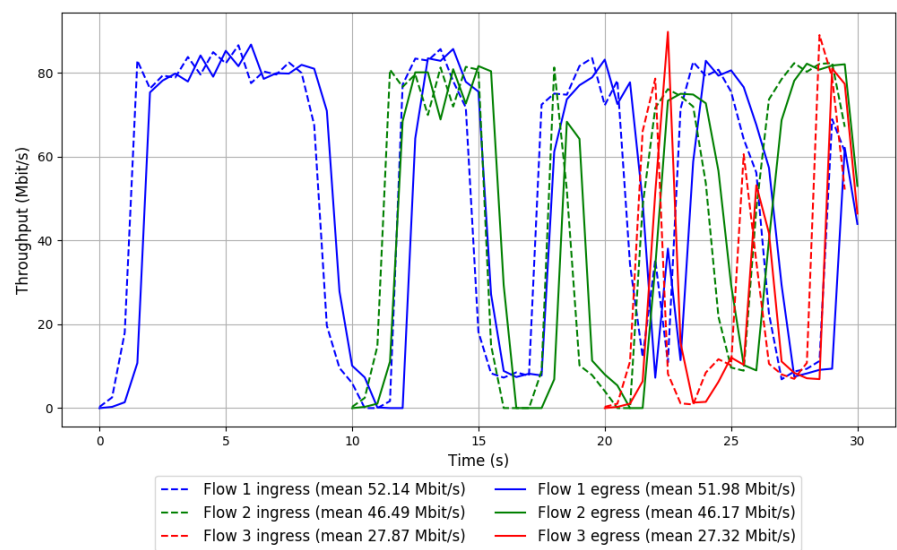


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-25 02:23:14
End at: 2018-07-25 02:23:44
Local clock offset: -0.189 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-07-25 08:03:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.51 Mbit/s
95th percentile per-packet one-way delay: 86.424 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 51.98 Mbit/s
95th percentile per-packet one-way delay: 86.632 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 46.17 Mbit/s
95th percentile per-packet one-way delay: 86.354 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 27.32 Mbit/s
95th percentile per-packet one-way delay: 86.041 ms
Loss rate: 3.70%

Run 2: Report of QUIC Cubic — Data Link

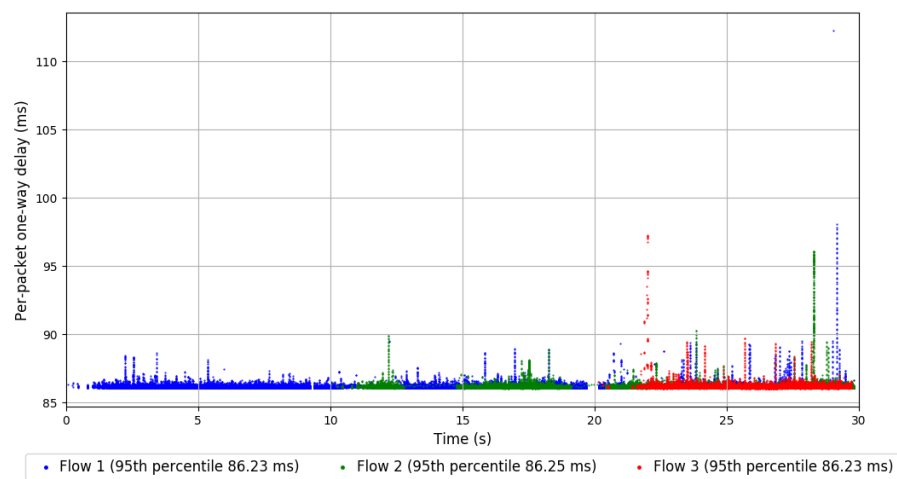
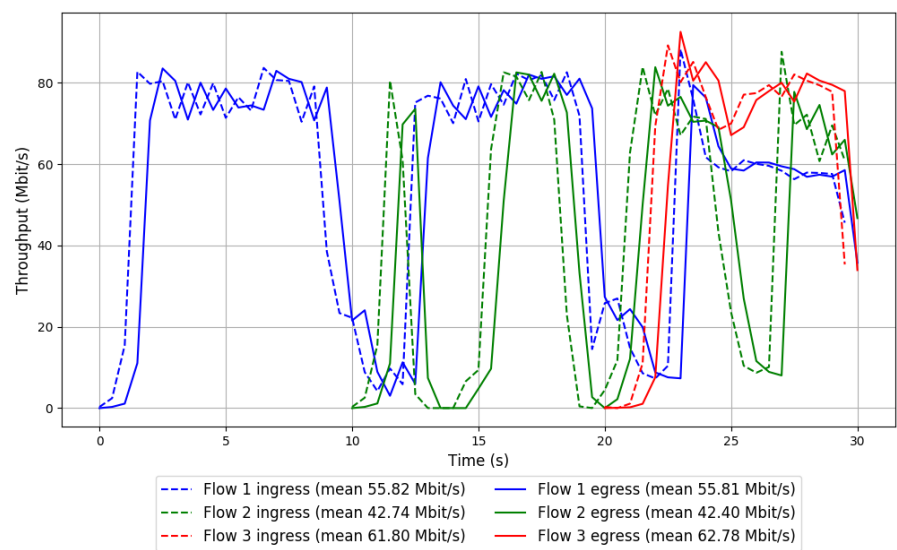


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-25 02:47:33
End at: 2018-07-25 02:48:03
Local clock offset: 0.046 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2018-07-25 08:03:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 104.15 Mbit/s
95th percentile per-packet one-way delay: 86.236 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 55.81 Mbit/s
95th percentile per-packet one-way delay: 86.229 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 42.40 Mbit/s
95th percentile per-packet one-way delay: 86.252 ms
Loss rate: 1.66%
-- Flow 3:
Average throughput: 62.78 Mbit/s
95th percentile per-packet one-way delay: 86.229 ms
Loss rate: 1.24%

Run 3: Report of QUIC Cubic — Data Link

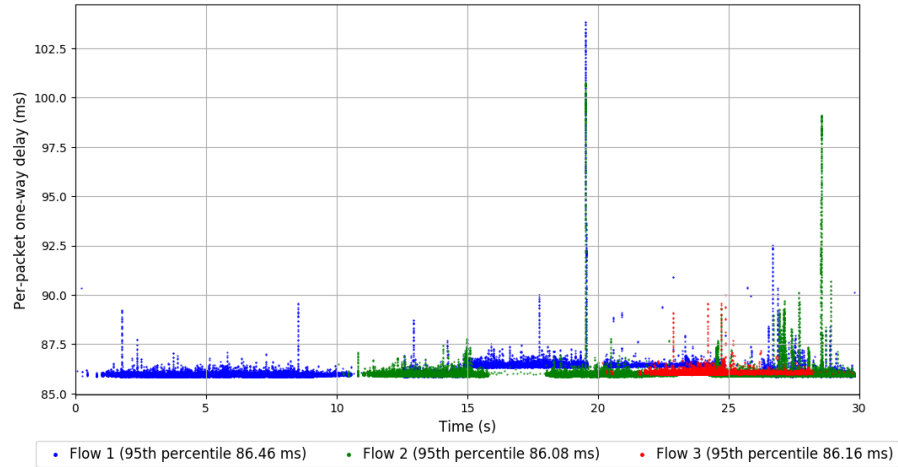
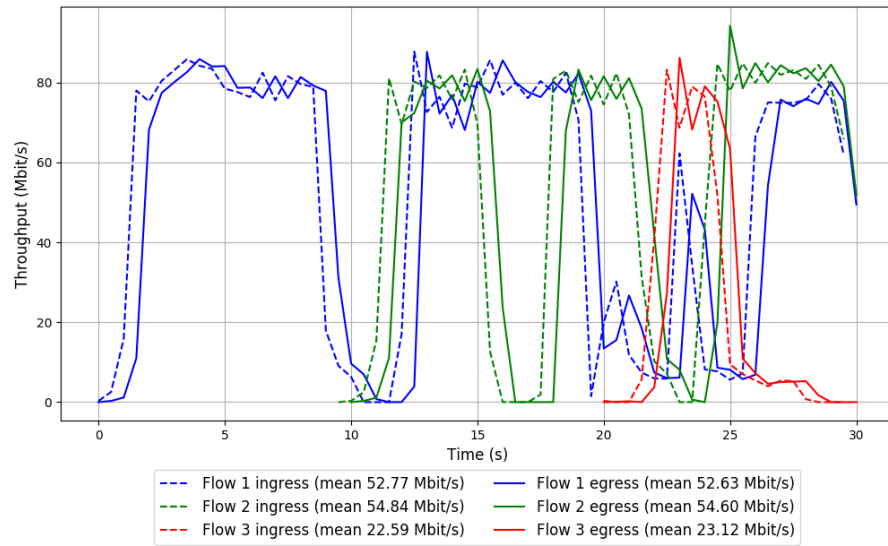


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-25 03:12:03
End at: 2018-07-25 03:12:33
Local clock offset: -0.036 ms
Remote clock offset: -0.177 ms

Below is generated by plot.py at 2018-07-25 08:03:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.31 Mbit/s
95th percentile per-packet one-way delay: 86.437 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 52.63 Mbit/s
95th percentile per-packet one-way delay: 86.458 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 54.60 Mbit/s
95th percentile per-packet one-way delay: 86.082 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 23.12 Mbit/s
95th percentile per-packet one-way delay: 86.163 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

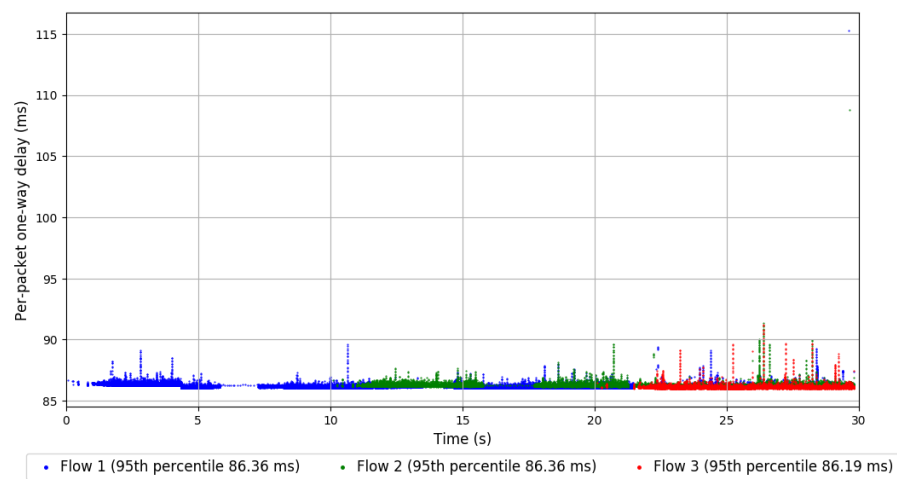
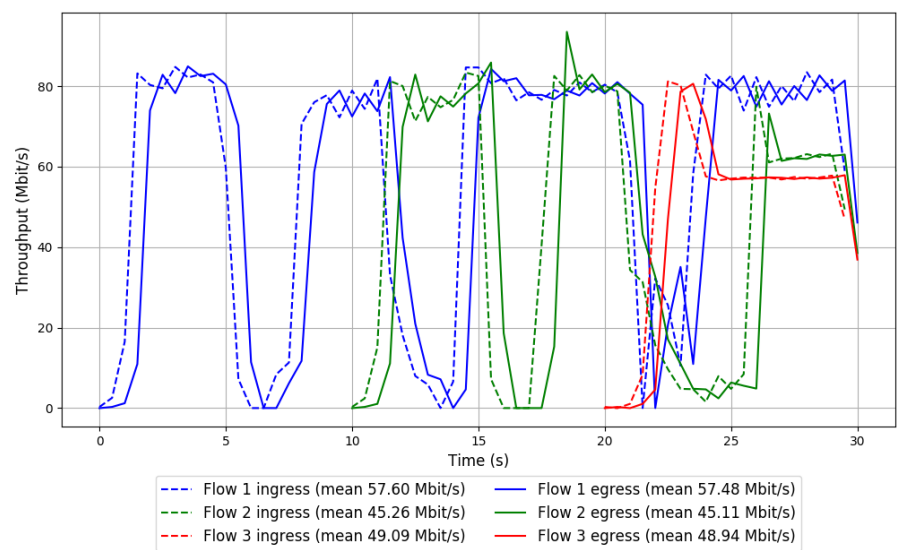


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-25 03:36:34
End at: 2018-07-25 03:37:04
Local clock offset: 0.137 ms
Remote clock offset: -0.213 ms

Below is generated by plot.py at 2018-07-25 08:03:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 103.39 Mbit/s
95th percentile per-packet one-way delay: 86.354 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 57.48 Mbit/s
95th percentile per-packet one-way delay: 86.365 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 45.11 Mbit/s
95th percentile per-packet one-way delay: 86.356 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 48.94 Mbit/s
95th percentile per-packet one-way delay: 86.187 ms
Loss rate: 2.04%

Run 5: Report of QUIC Cubic — Data Link

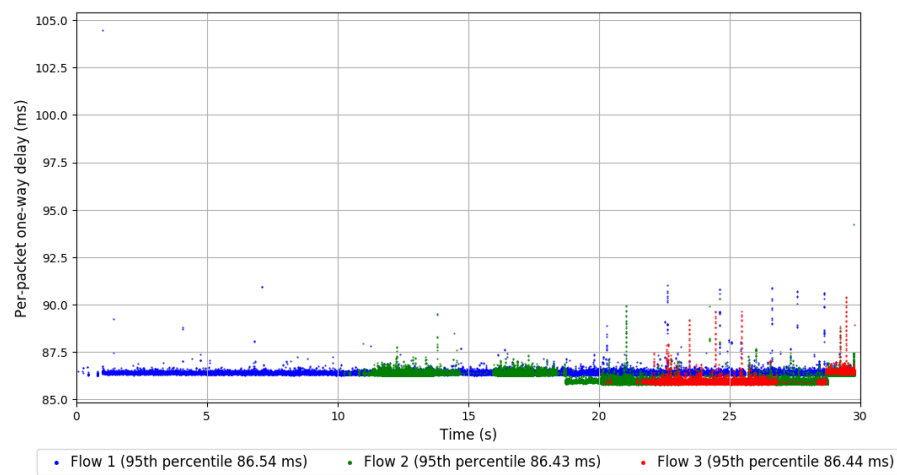
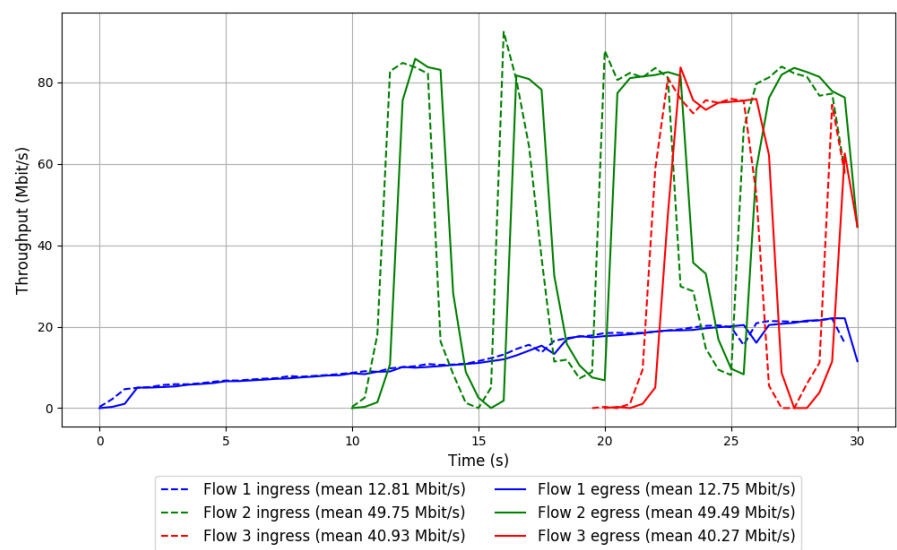


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-25 04:00:40
End at: 2018-07-25 04:01:10
Local clock offset: -0.074 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-25 08:03:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.72 Mbit/s
95th percentile per-packet one-way delay: 86.470 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 12.75 Mbit/s
95th percentile per-packet one-way delay: 86.536 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 49.49 Mbit/s
95th percentile per-packet one-way delay: 86.429 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 40.27 Mbit/s
95th percentile per-packet one-way delay: 86.444 ms
Loss rate: 3.32%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-25 04:25:03

End at: 2018-07-25 04:25:34

Local clock offset: 0.004 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-25 08:03:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.02 Mbit/s

95th percentile per-packet one-way delay: 86.640 ms

Loss rate: 0.90%

-- Flow 1:

Average throughput: 49.27 Mbit/s

95th percentile per-packet one-way delay: 86.505 ms

Loss rate: 0.72%

-- Flow 2:

Average throughput: 52.00 Mbit/s

95th percentile per-packet one-way delay: 86.606 ms

Loss rate: 1.44%

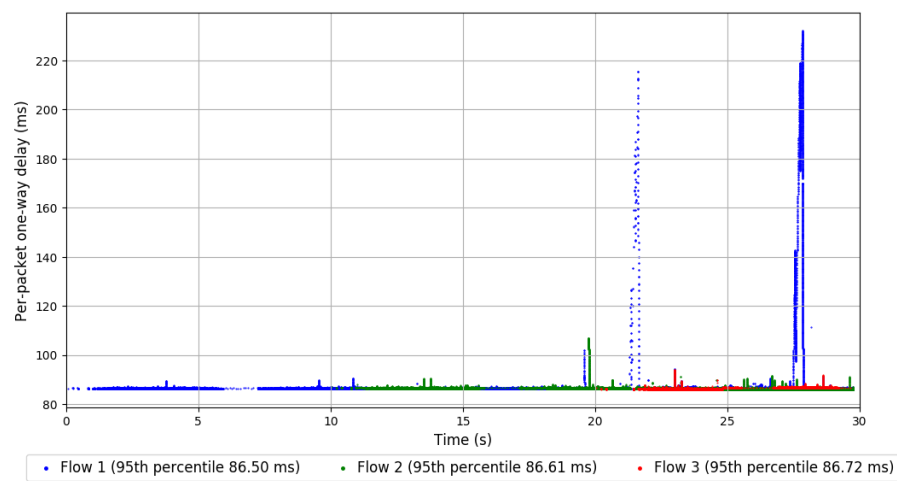
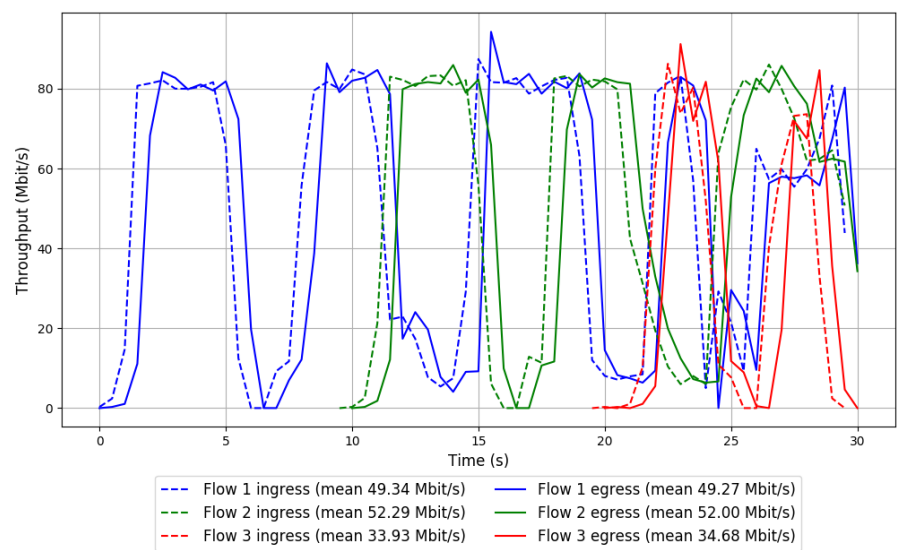
-- Flow 3:

Average throughput: 34.68 Mbit/s

95th percentile per-packet one-way delay: 86.724 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-25 04:49:44

End at: 2018-07-25 04:50:14

Local clock offset: -0.198 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-07-25 08:03:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 107.76 Mbit/s

95th percentile per-packet one-way delay: 86.215 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 54.29 Mbit/s

95th percentile per-packet one-way delay: 86.207 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 51.65 Mbit/s

95th percentile per-packet one-way delay: 86.213 ms

Loss rate: 0.00%

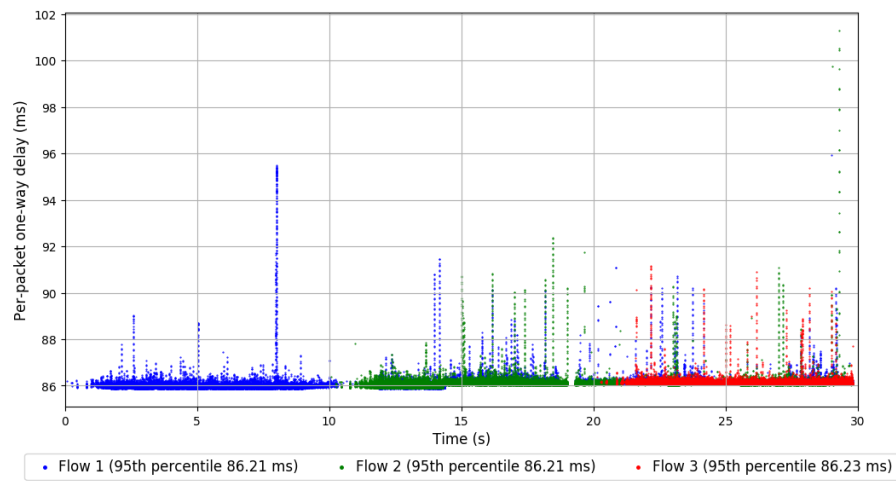
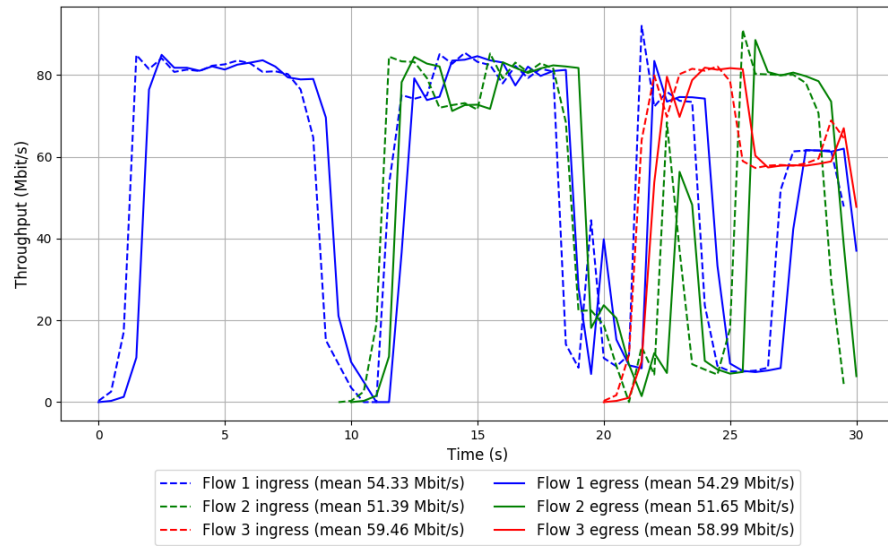
-- Flow 3:

Average throughput: 58.99 Mbit/s

95th percentile per-packet one-way delay: 86.230 ms

Loss rate: 2.52%

Run 8: Report of QUIC Cubic — Data Link

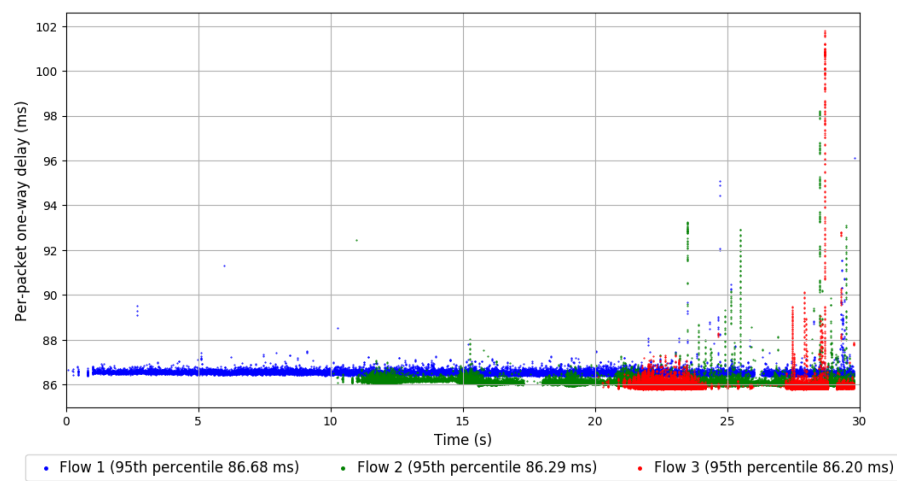
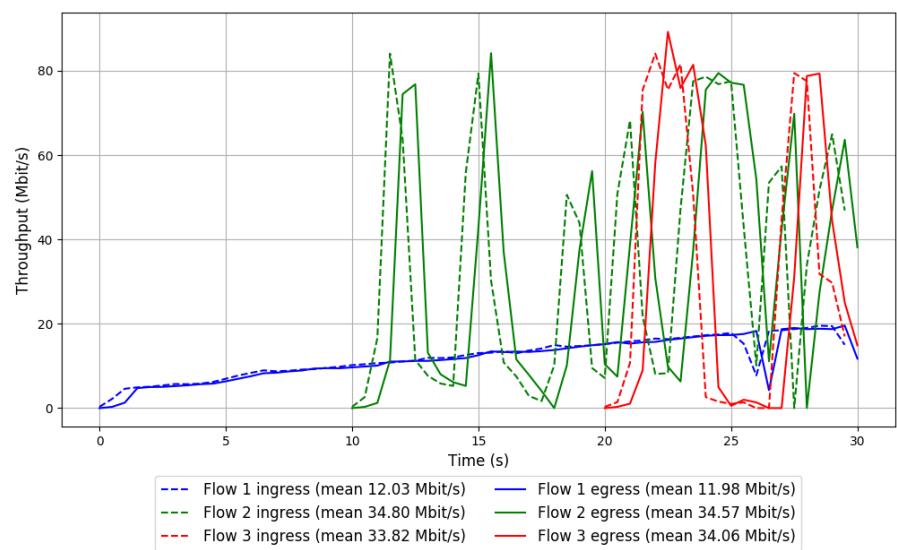


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-25 05:13:53
End at: 2018-07-25 05:14:23
Local clock offset: 0.002 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-25 08:03:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.99 Mbit/s
95th percentile per-packet one-way delay: 86.591 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 11.98 Mbit/s
95th percentile per-packet one-way delay: 86.683 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 34.57 Mbit/s
95th percentile per-packet one-way delay: 86.288 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 34.06 Mbit/s
95th percentile per-packet one-way delay: 86.201 ms
Loss rate: 1.03%

Run 9: Report of QUIC Cubic — Data Link

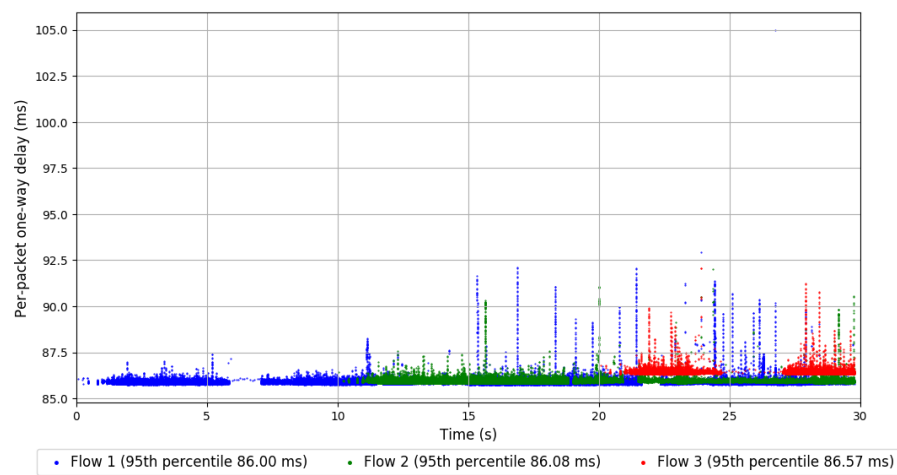
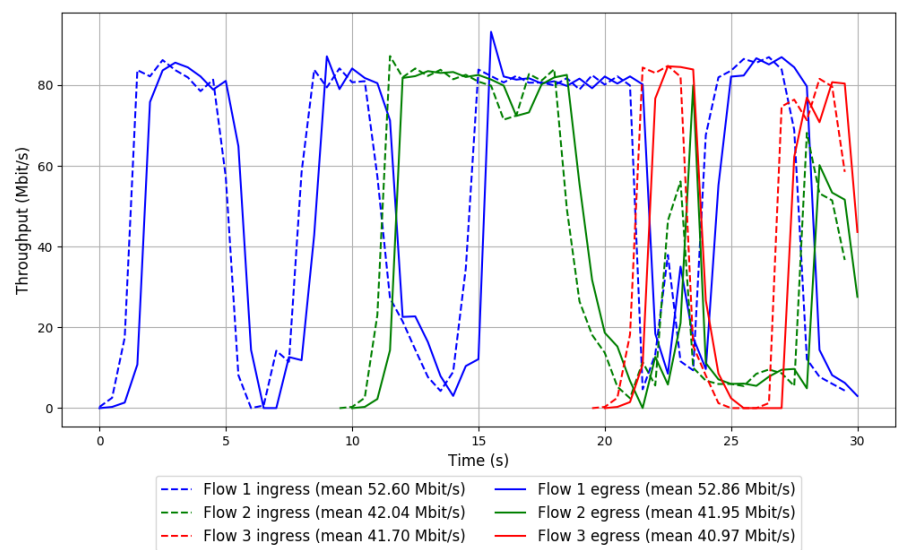


Run 10: Statistics of QUIC Cubic

Start at: 2018-07-25 05:38:17
End at: 2018-07-25 05:38:47
Local clock offset: -0.041 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-25 08:03:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.12 Mbit/s
95th percentile per-packet one-way delay: 86.428 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 52.86 Mbit/s
95th percentile per-packet one-way delay: 85.998 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 41.95 Mbit/s
95th percentile per-packet one-way delay: 86.076 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 40.97 Mbit/s
95th percentile per-packet one-way delay: 86.566 ms
Loss rate: 3.48%

Run 10: Report of QUIC Cubic — Data Link

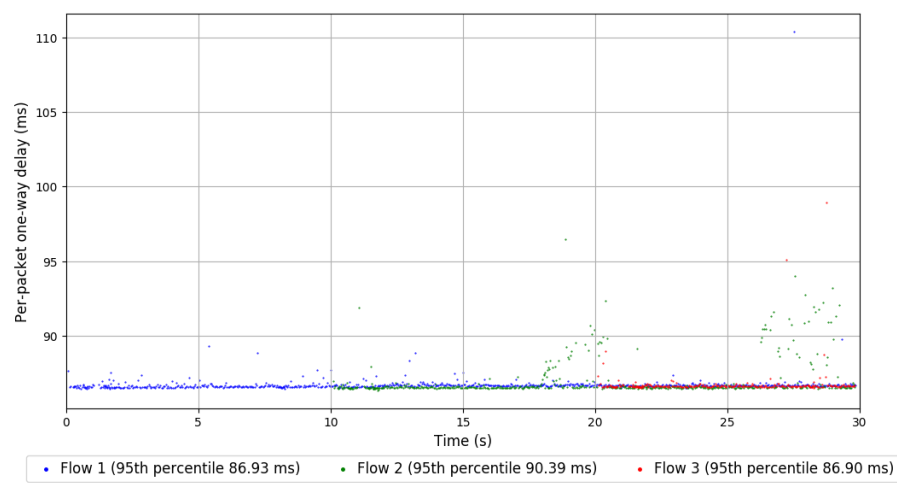
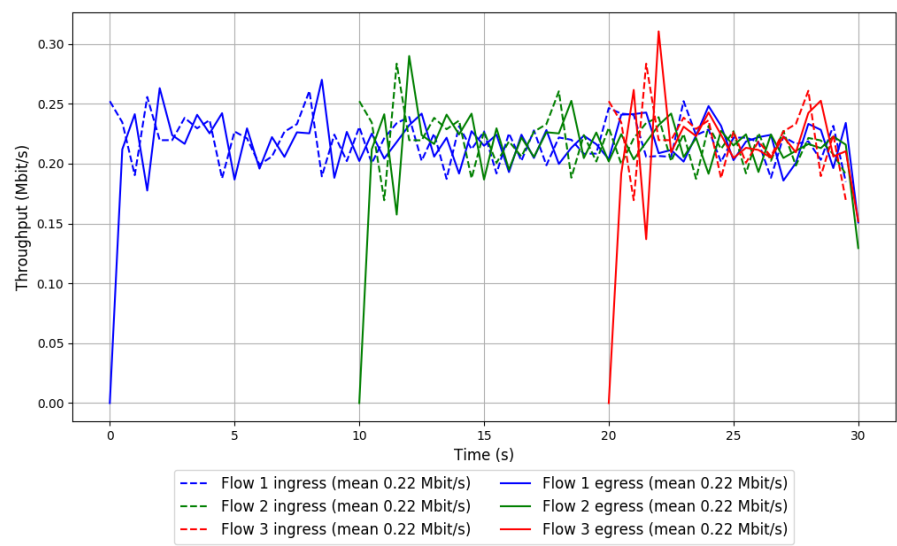


```
Run 1: Statistics of SReAM

Start at: 2018-07-25 02:09:56
End at: 2018-07-25 02:10:26
Local clock offset: 0.082 ms
Remote clock offset: -0.067 ms

# Below is generated by plot.py at 2018-07-25 08:03:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 87.769 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.931 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 90.393 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.896 ms
Loss rate: 1.50%
```


Run 1: Report of SReAM — Data Link

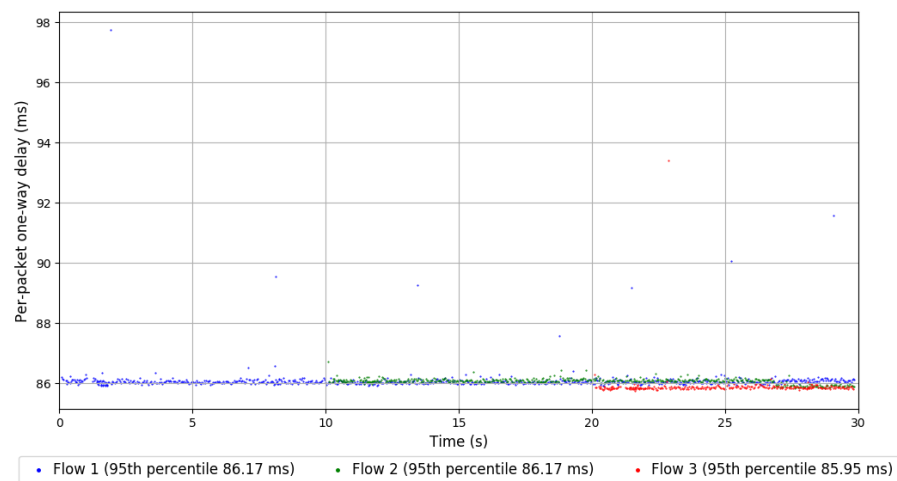
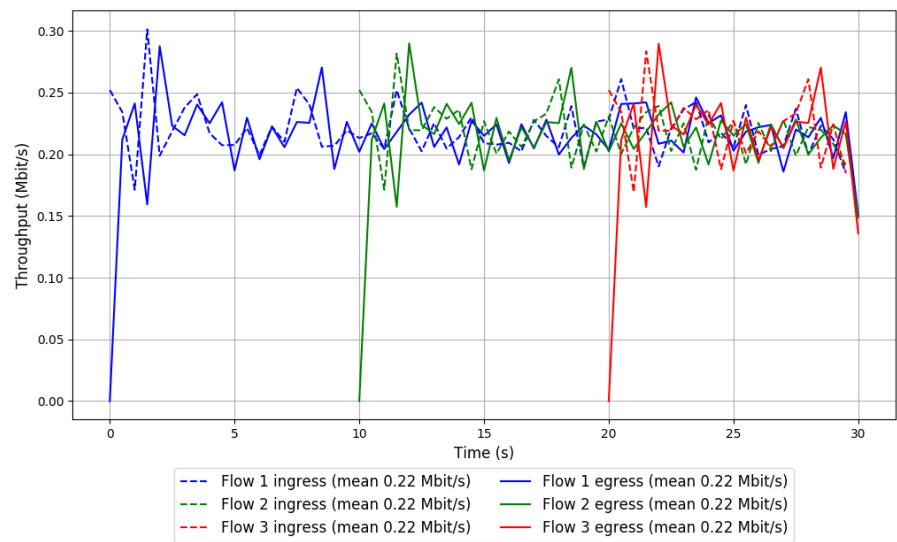


```
Run 2: Statistics of SReAM

Start at: 2018-07-25 02:34:21
End at: 2018-07-25 02:34:51
Local clock offset: -0.209 ms
Remote clock offset: -0.114 ms

# Below is generated by plot.py at 2018-07-25 08:03:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.169 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.175 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.174 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.946 ms
Loss rate: 1.85%
```

Run 2: Report of SReAM — Data Link

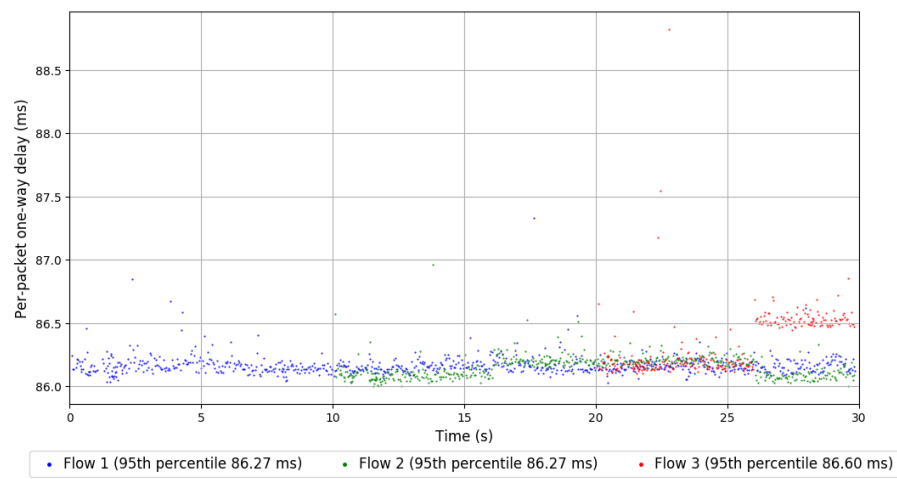
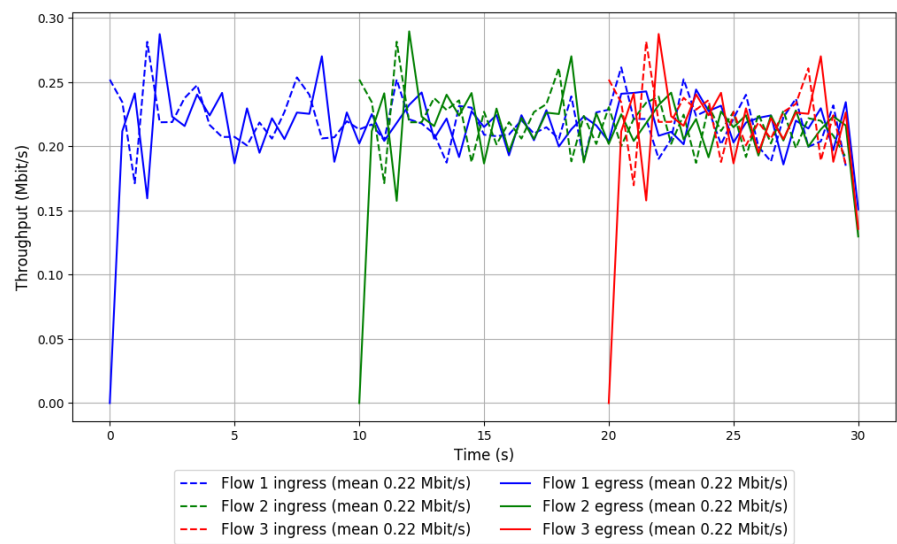


Run 3: Statistics of SReAM

Start at: 2018-07-25 02:58:42
End at: 2018-07-25 02:59:12
Local clock offset: -0.004 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-07-25 08:03:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.512 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.269 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.272 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.604 ms
Loss rate: 1.85%

Run 3: Report of SReAM — Data Link

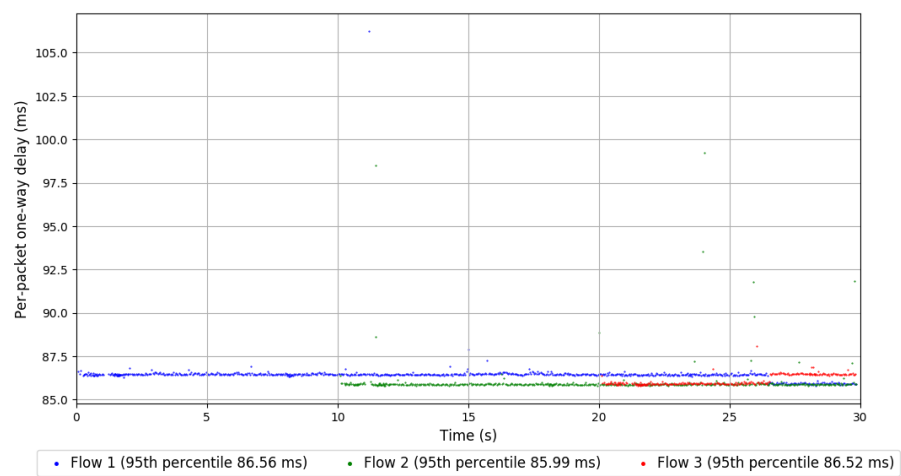
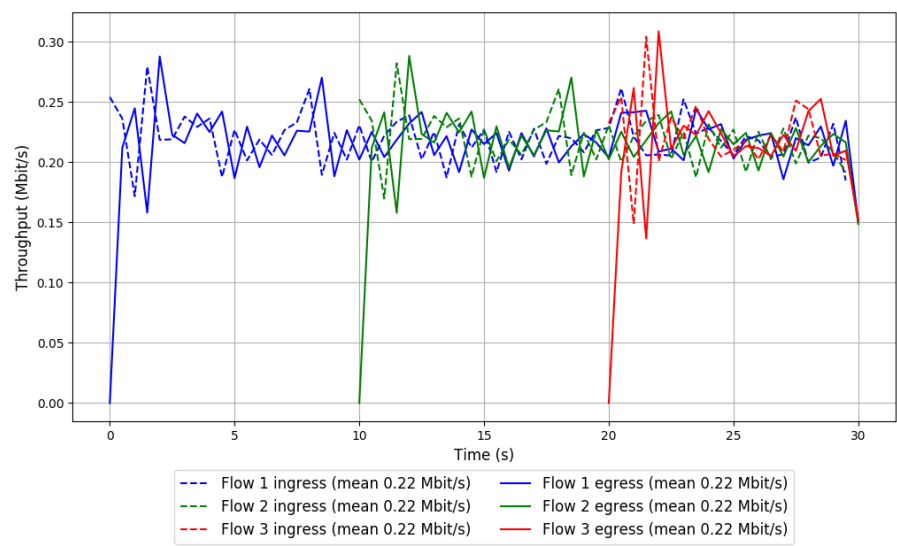


Run 4: Statistics of SReAM

Start at: 2018-07-25 03:23:12
End at: 2018-07-25 03:23:42
Local clock offset: -0.196 ms
Remote clock offset: -0.204 ms

Below is generated by plot.py at 2018-07-25 08:03:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.535 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.559 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.992 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.517 ms
Loss rate: 1.85%

Run 4: Report of SReAM — Data Link

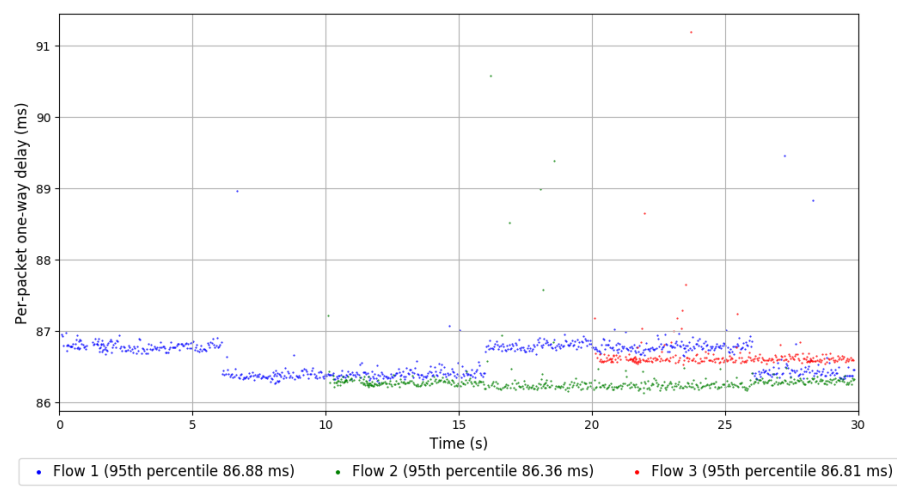
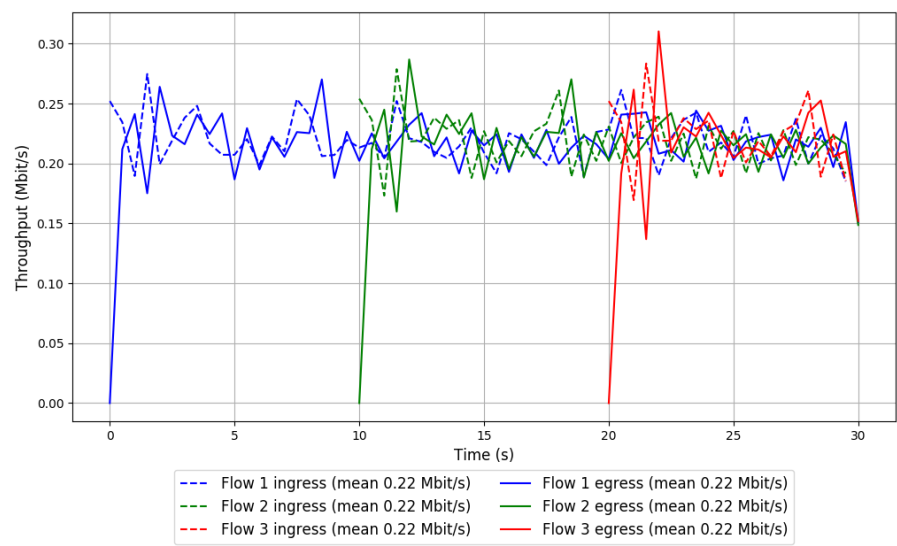


Run 5: Statistics of SReAM

Start at: 2018-07-25 03:47:42
End at: 2018-07-25 03:48:12
Local clock offset: 0.084 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-07-25 08:03:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.855 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.876 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.362 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.812 ms
Loss rate: 1.85%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-07-25 04:11:49

End at: 2018-07-25 04:12:19

Local clock offset: -0.195 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-07-25 08:03:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.209 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.187 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.260 ms

Loss rate: 0.85%

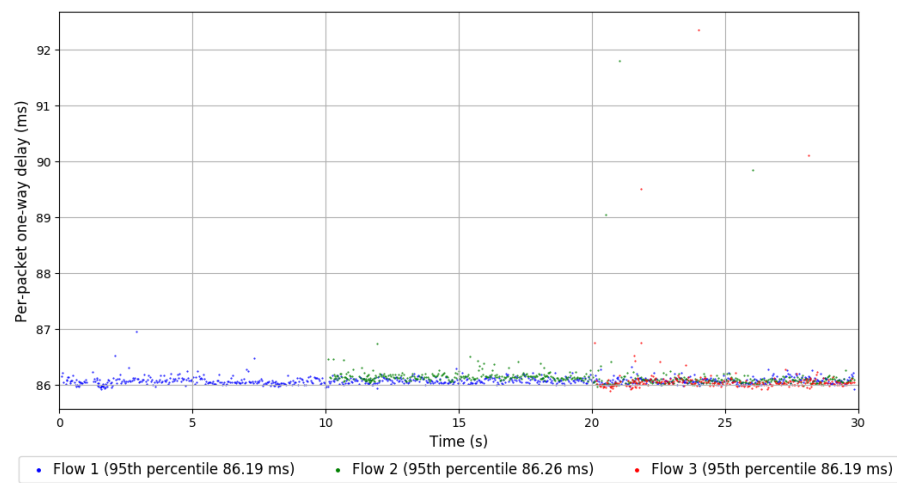
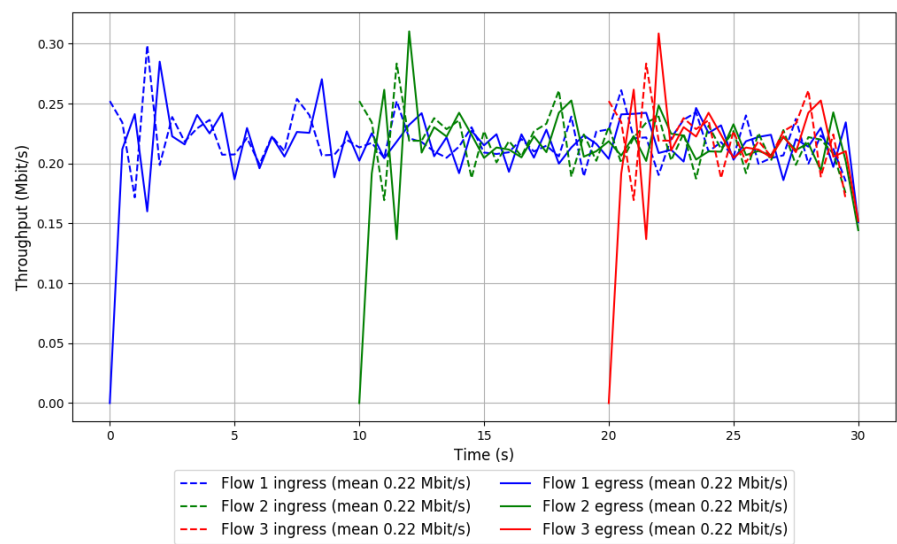
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.190 ms

Loss rate: 1.50%

Run 6: Report of SReAM — Data Link

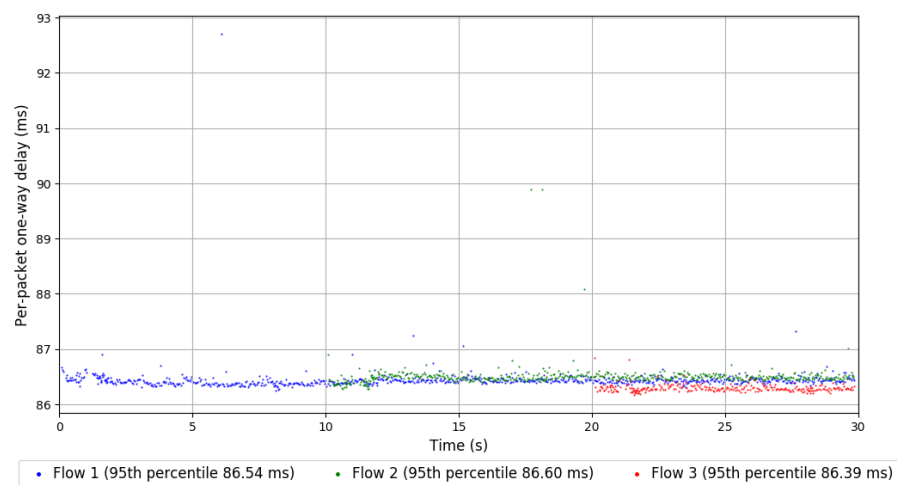
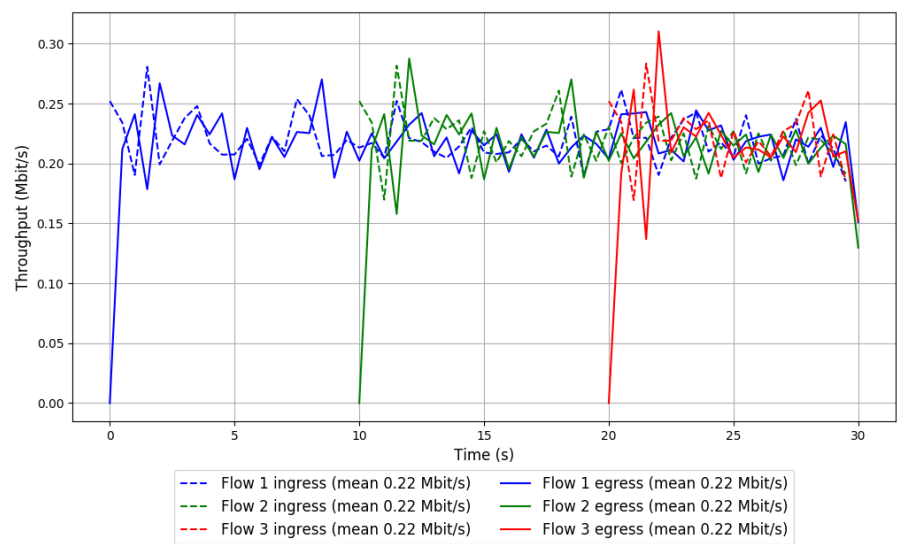


Run 7: Statistics of SReAM

Start at: 2018-07-25 04:36:17
End at: 2018-07-25 04:36:47
Local clock offset: -0.04 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-25 08:03:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.567 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.541 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.599 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.388 ms
Loss rate: 1.85%

Run 7: Report of SReAM — Data Link

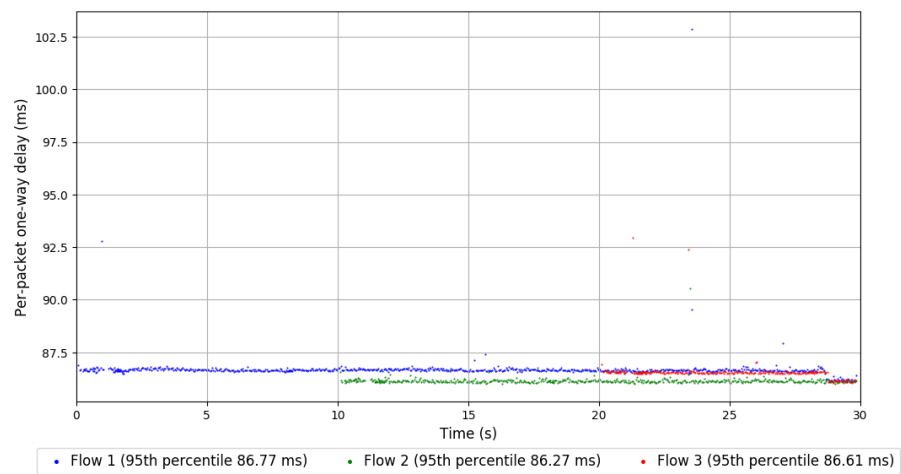
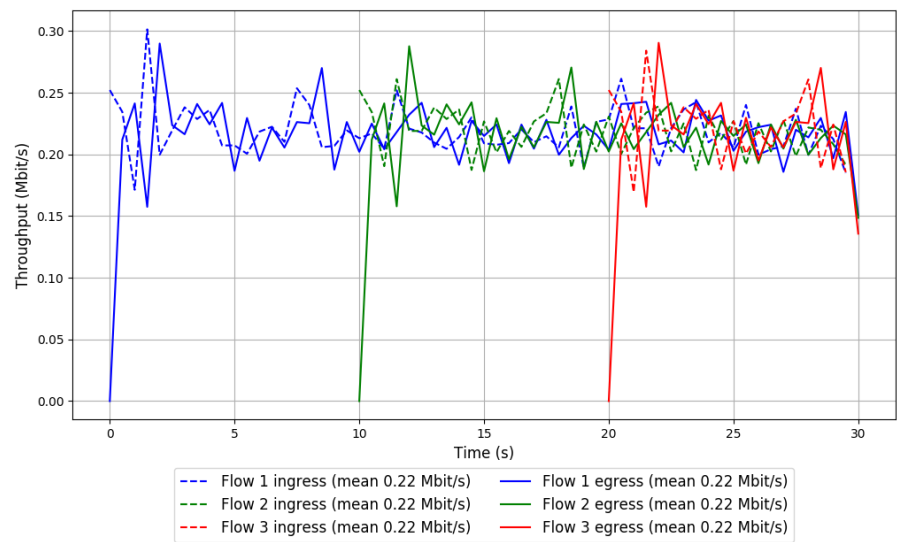


Run 8: Statistics of SReAM

Start at: 2018-07-25 05:01:00
End at: 2018-07-25 05:01:30
Local clock offset: -0.099 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-25 08:03:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.743 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.772 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.269 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.605 ms
Loss rate: 1.85%

Run 8: Report of SReAM — Data Link

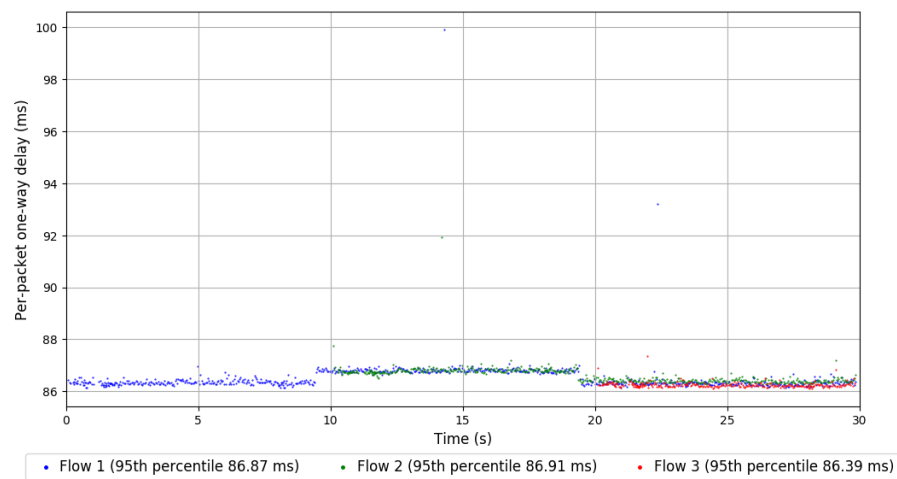
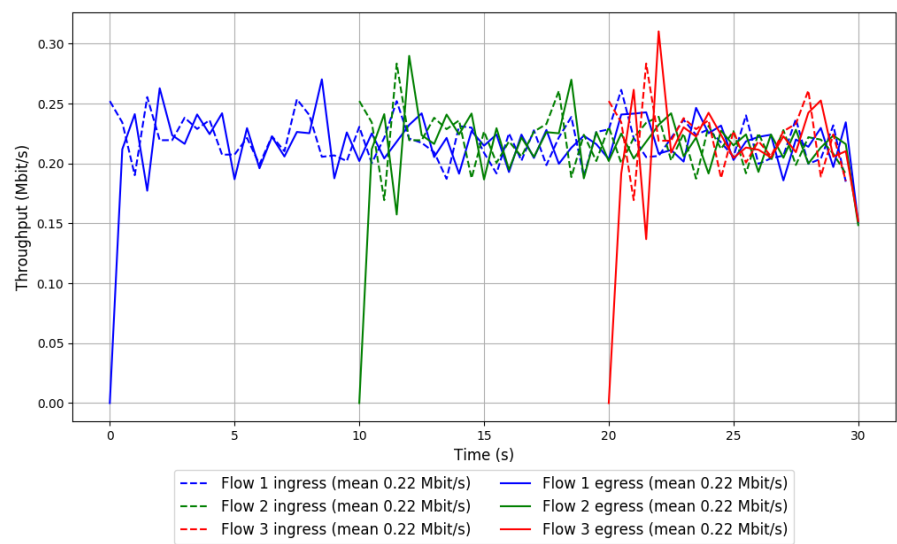


Run 9: Statistics of SReAM

Start at: 2018-07-25 05:25:09
End at: 2018-07-25 05:25:39
Local clock offset: 0.053 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-07-25 08:03:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.879 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.872 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.908 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.390 ms
Loss rate: 1.85%

Run 9: Report of SReAM — Data Link

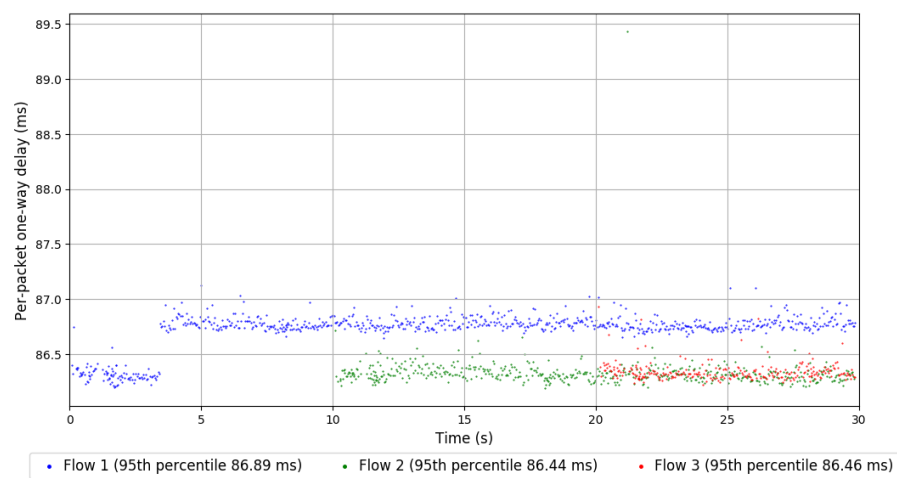
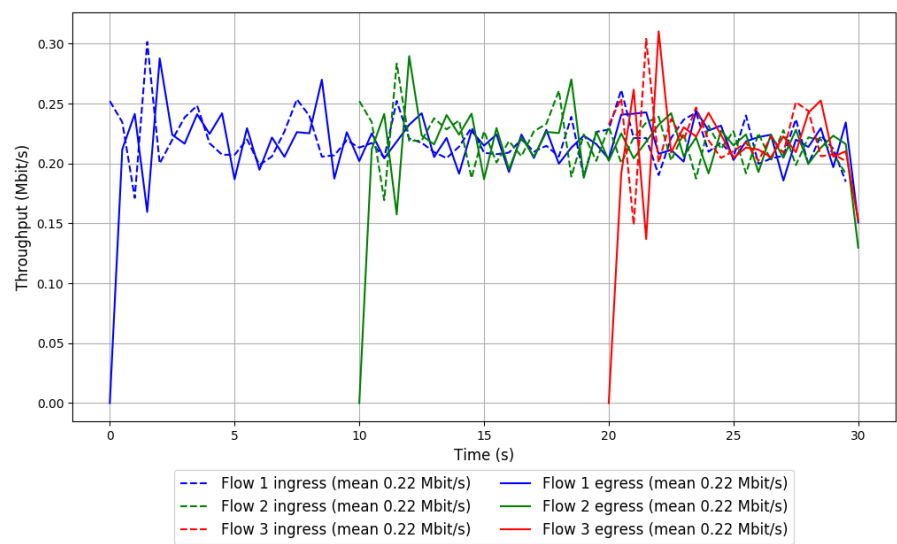


Run 10: Statistics of SReAM

Start at: 2018-07-25 05:49:25
End at: 2018-07-25 05:49:55
Local clock offset: 0.199 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-25 08:03:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.847 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.888 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.442 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.457 ms
Loss rate: 1.85%

Run 10: Report of SReAM — Data Link

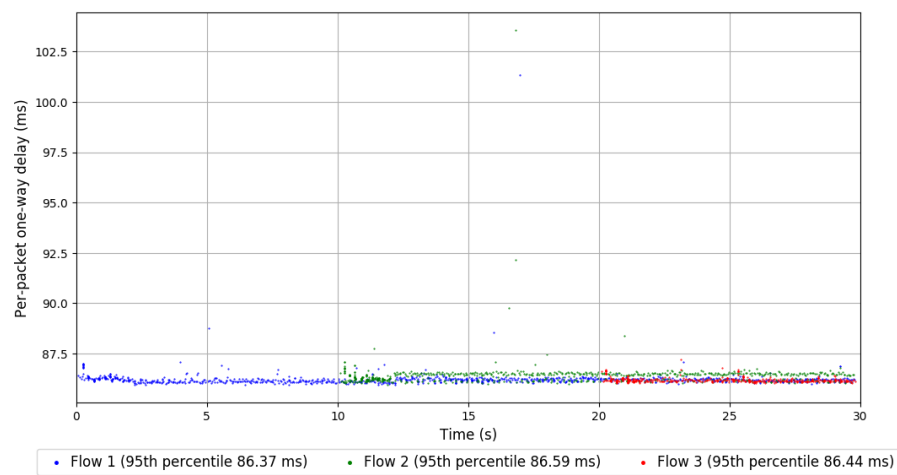
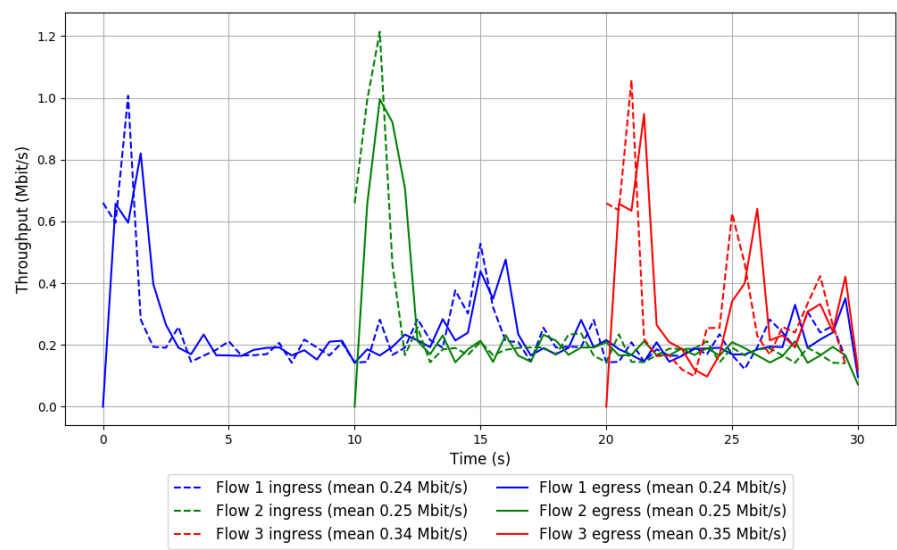


Run 1: Statistics of Sprout

Start at: 2018-07-25 02:13:06
End at: 2018-07-25 02:13:36
Local clock offset: -0.024 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2018-07-25 08:03:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 86.557 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.374 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 86.595 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 86.441 ms
Loss rate: 0.68%

Run 1: Report of Sprout — Data Link

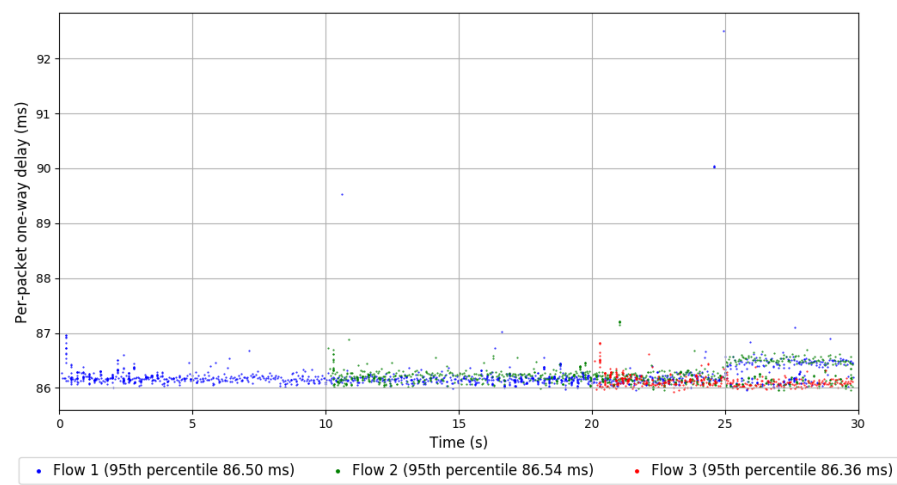
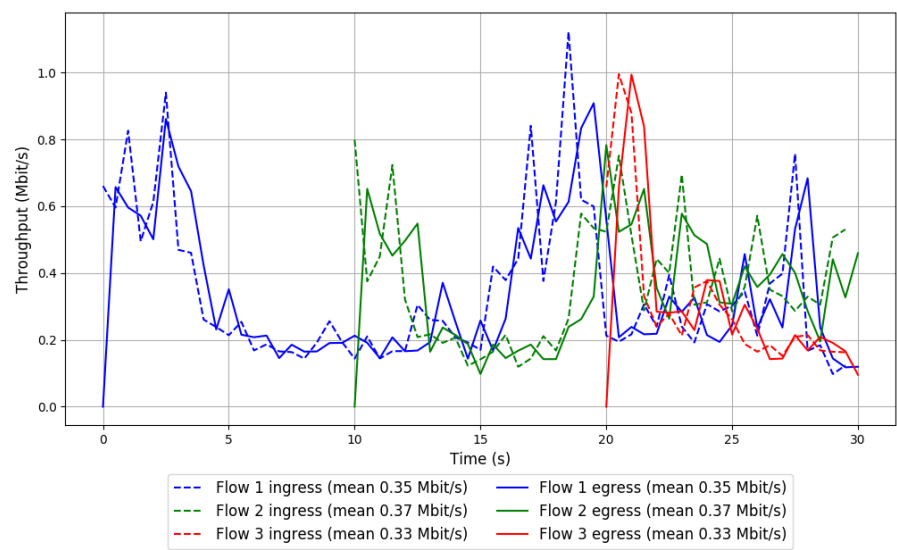


Run 2: Statistics of Sprout

Start at: 2018-07-25 02:37:33
End at: 2018-07-25 02:38:03
Local clock offset: -0.09 ms
Remote clock offset: -0.135 ms

```
# Below is generated by plot.py at 2018-07-25 08:03:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.70 Mbit/s
95th percentile per-packet one-way delay: 86.506 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 86.496 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 86.544 ms
Loss rate: 1.72%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 86.357 ms
Loss rate: 1.42%
```

Run 2: Report of Sprout — Data Link

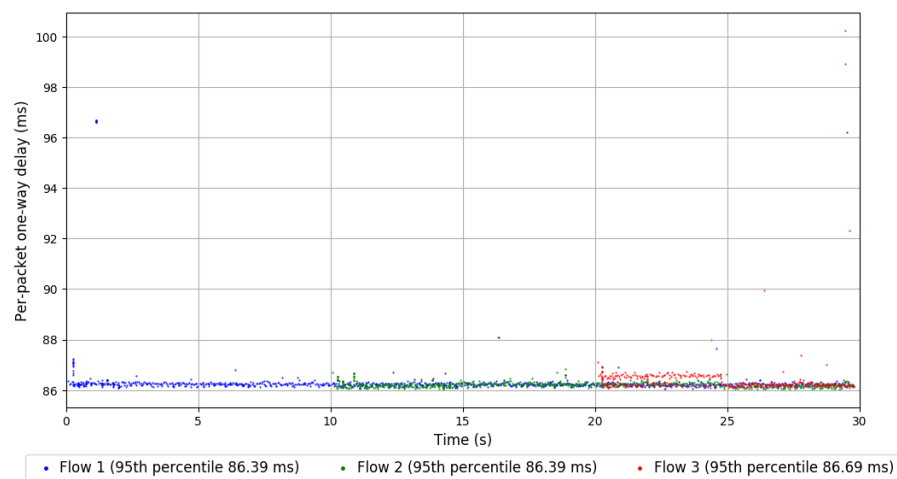
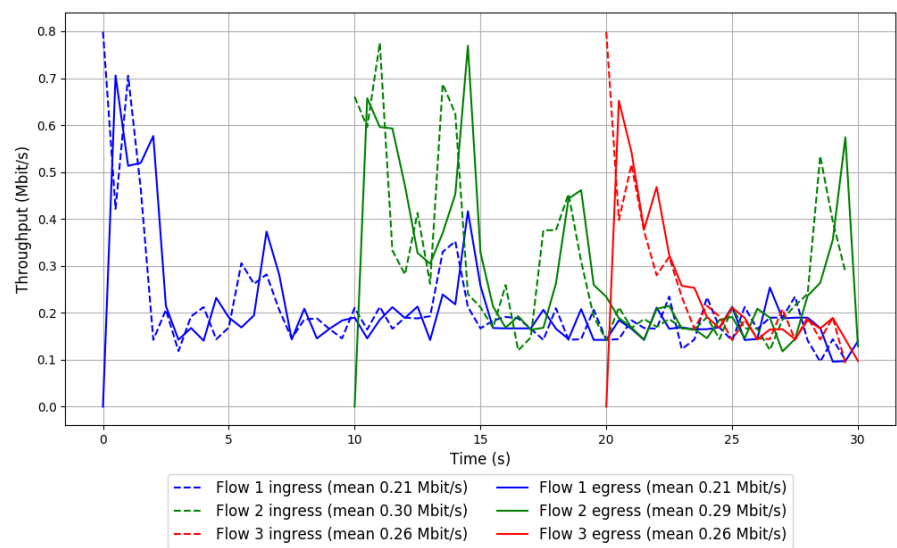


Run 3: Statistics of Sprout

Start at: 2018-07-25 03:01:54
End at: 2018-07-25 03:02:24
Local clock offset: 0.062 ms
Remote clock offset: -0.171 ms

```
# Below is generated by plot.py at 2018-07-25 08:03:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 86.573 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 86.389 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.394 ms
Loss rate: 1.36%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.695 ms
Loss rate: 0.88%
```


Run 3: Report of Sprout — Data Link

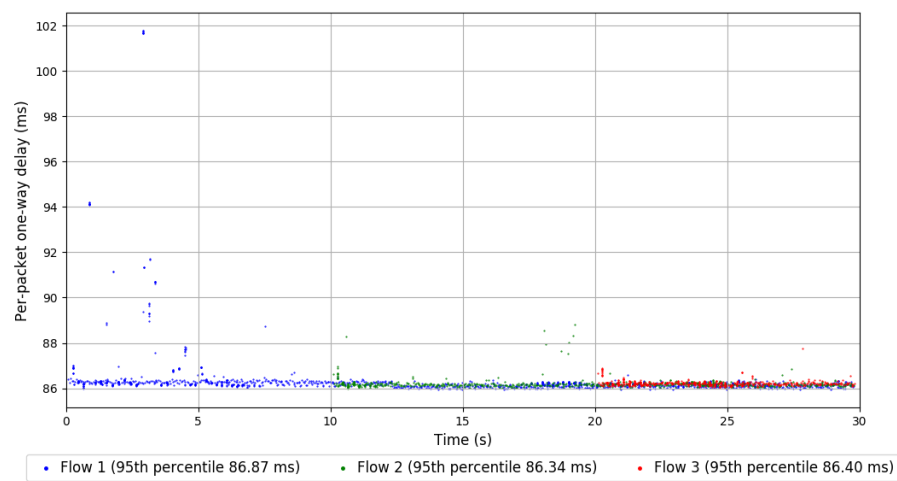
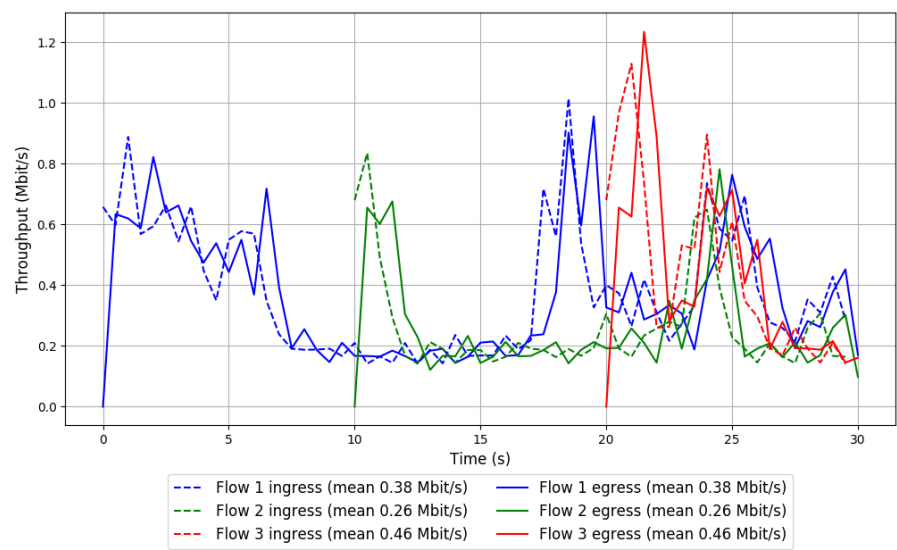


Run 4: Statistics of Sprout

Start at: 2018-07-25 03:26:26
End at: 2018-07-25 03:26:56
Local clock offset: 0.032 ms
Remote clock offset: -0.173 ms

```
# Below is generated by plot.py at 2018-07-25 08:03:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 86.501 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 86.871 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.345 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 86.403 ms
Loss rate: 0.53%
```

Run 4: Report of Sprout — Data Link

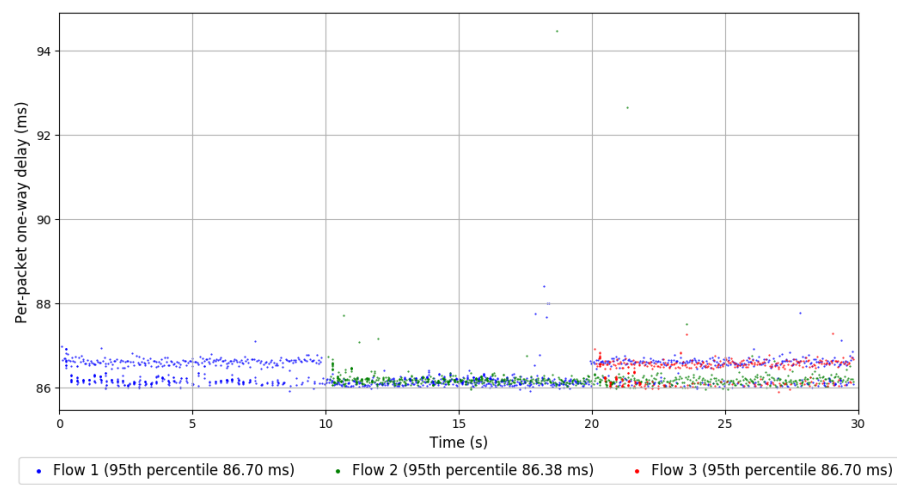
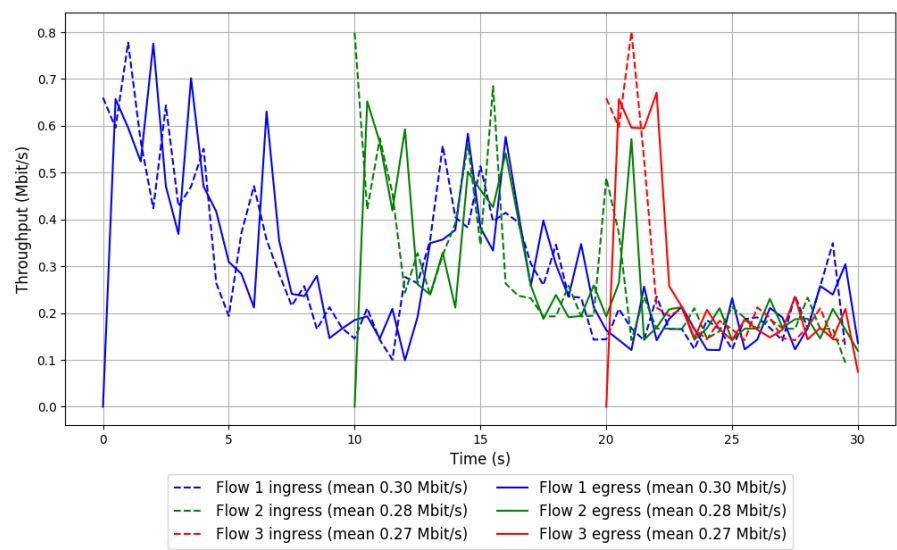


Run 5: Statistics of Sprout

Start at: 2018-07-25 03:50:29
End at: 2018-07-25 03:50:59
Local clock offset: -0.046 ms
Remote clock offset: -0.124 ms

```
# Below is generated by plot.py at 2018-07-25 08:03:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 86.676 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 86.699 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.376 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.701 ms
Loss rate: 1.28%
```

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-25 04:14:57

End at: 2018-07-25 04:15:27

Local clock offset: -0.148 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-25 08:03:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 86.574 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 86.412 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 86.617 ms

Loss rate: 0.22%

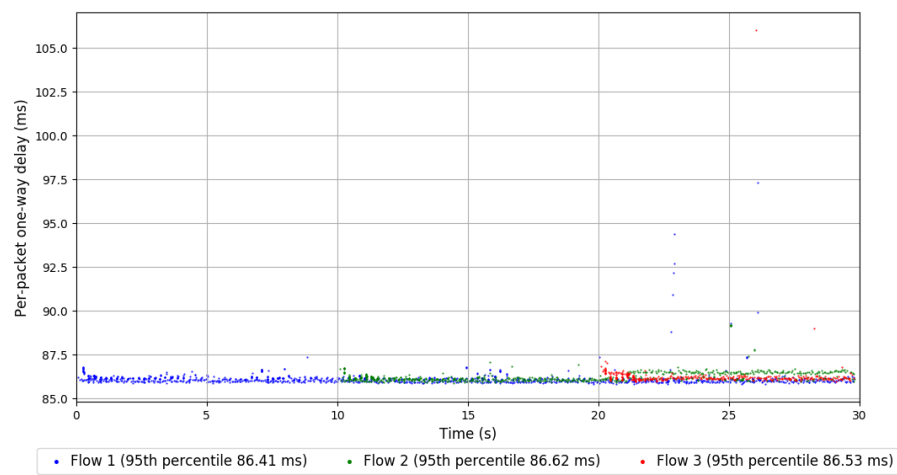
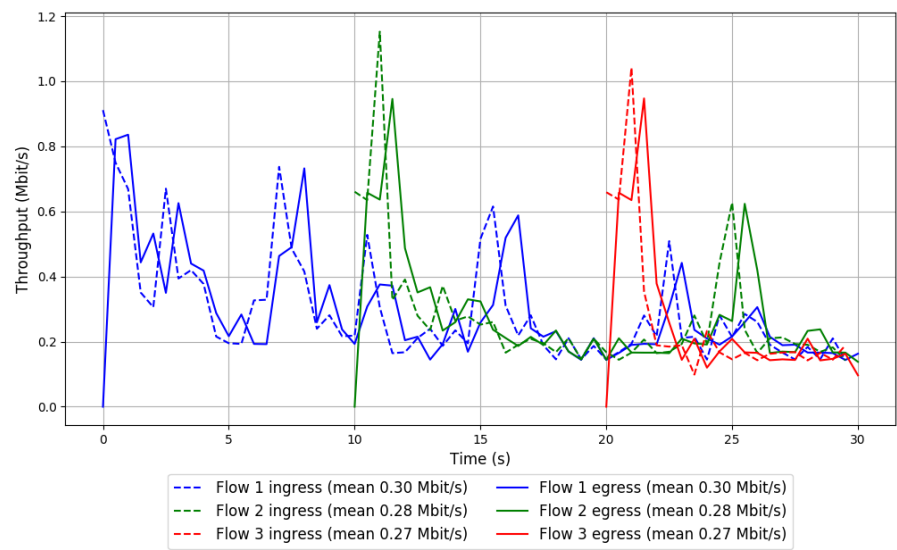
-- Flow 3:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 86.527 ms

Loss rate: 1.76%

Run 6: Report of Sprout — Data Link

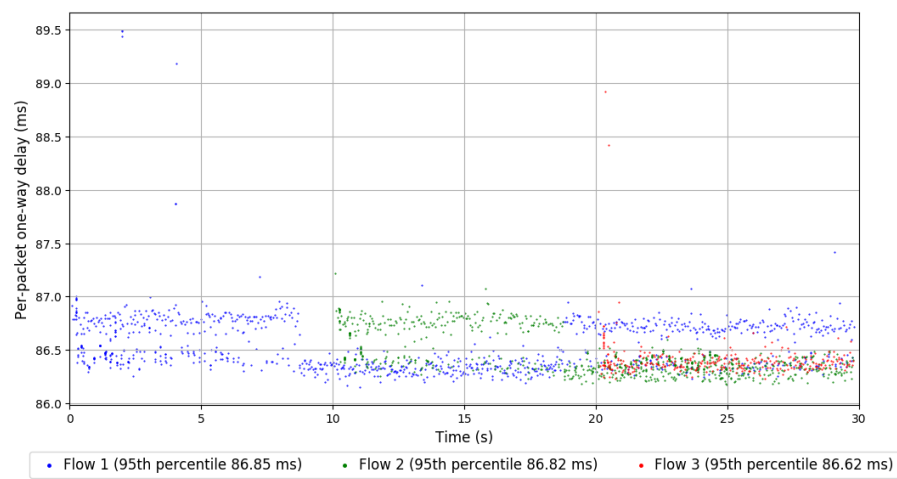
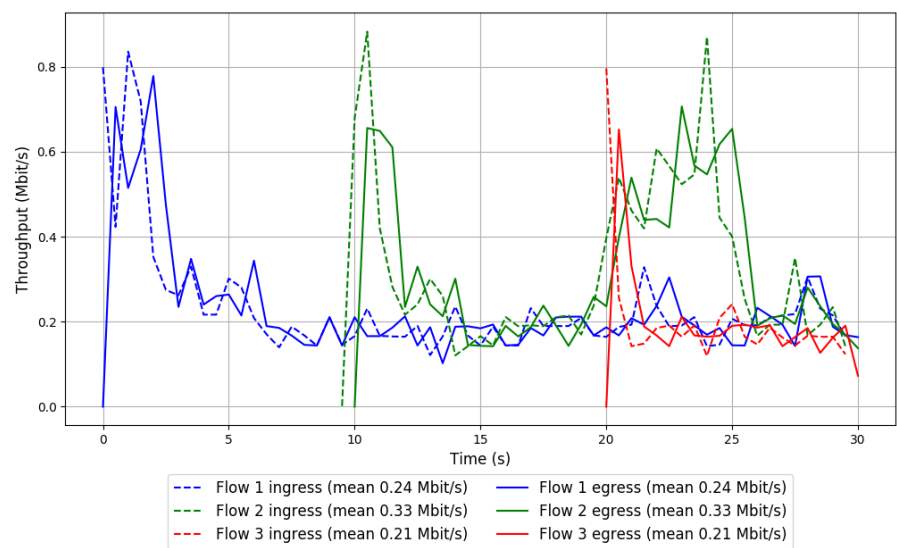


Run 7: Statistics of Sprout

Start at: 2018-07-25 04:39:30
End at: 2018-07-25 04:40:00
Local clock offset: -0.071 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-25 08:03:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 86.837 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.852 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 86.822 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 86.617 ms
Loss rate: 1.73%

Run 7: Report of Sprout — Data Link

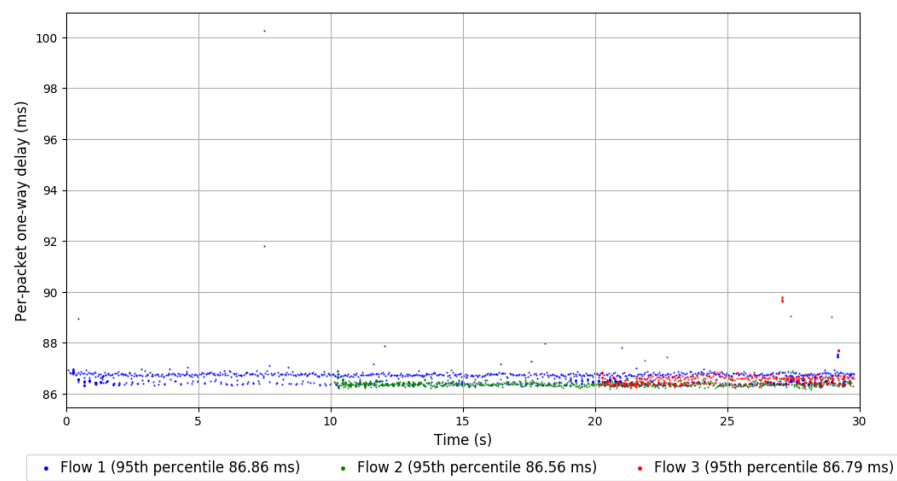
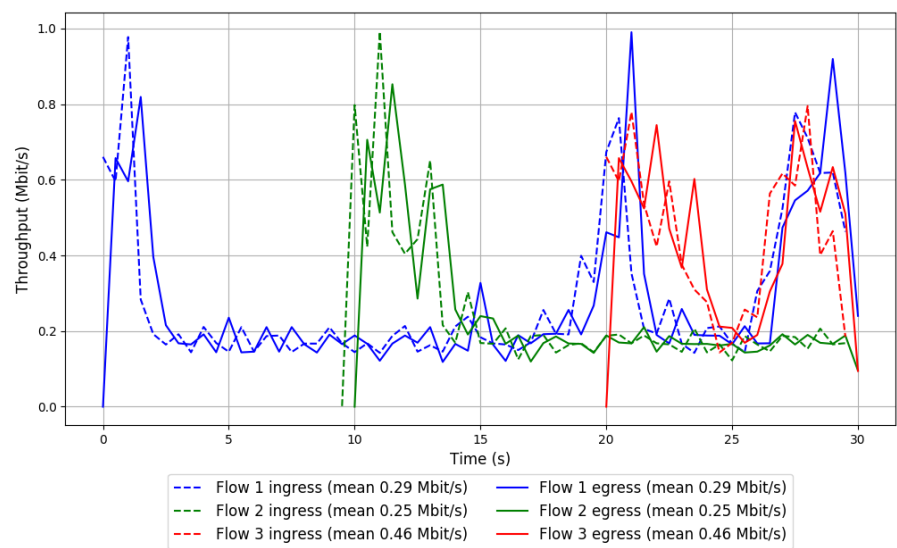


Run 8: Statistics of Sprout

Start at: 2018-07-25 05:03:37
End at: 2018-07-25 05:04:07
Local clock offset: 0.107 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-25 08:03:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 86.837 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.864 ms
Loss rate: 1.31%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 86.556 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 86.793 ms
Loss rate: 1.05%

Run 8: Report of Sprout — Data Link

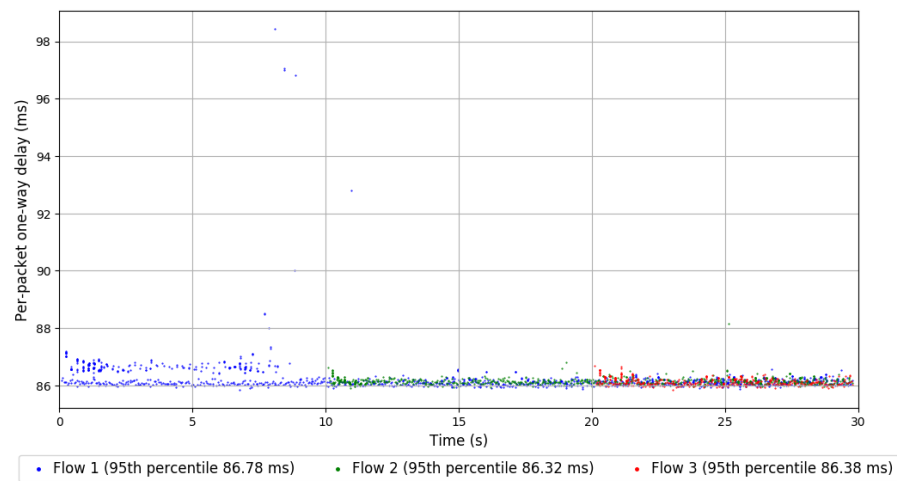
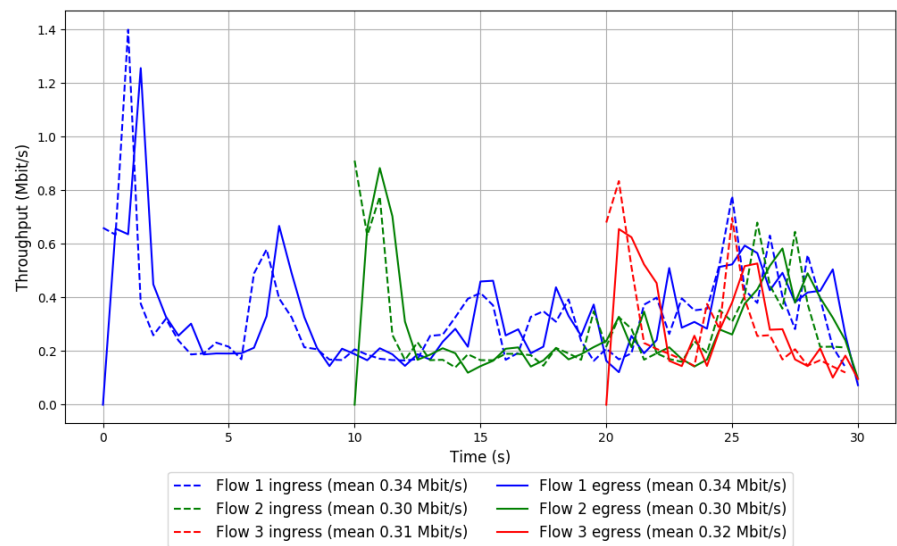


Run 9: Statistics of Sprout

Start at: 2018-07-25 05:28:00
End at: 2018-07-25 05:28:30
Local clock offset: -0.081 ms
Remote clock offset: -0.14 ms

```
# Below is generated by plot.py at 2018-07-25 08:03:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 86.654 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 86.779 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 86.324 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 86.384 ms
Loss rate: 0.80%
```

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-25 05:52:23

End at: 2018-07-25 05:52:53

Local clock offset: 0.213 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2018-07-25 08:03:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.63 Mbit/s

95th percentile per-packet one-way delay: 86.781 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 86.806 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 86.772 ms

Loss rate: 0.21%

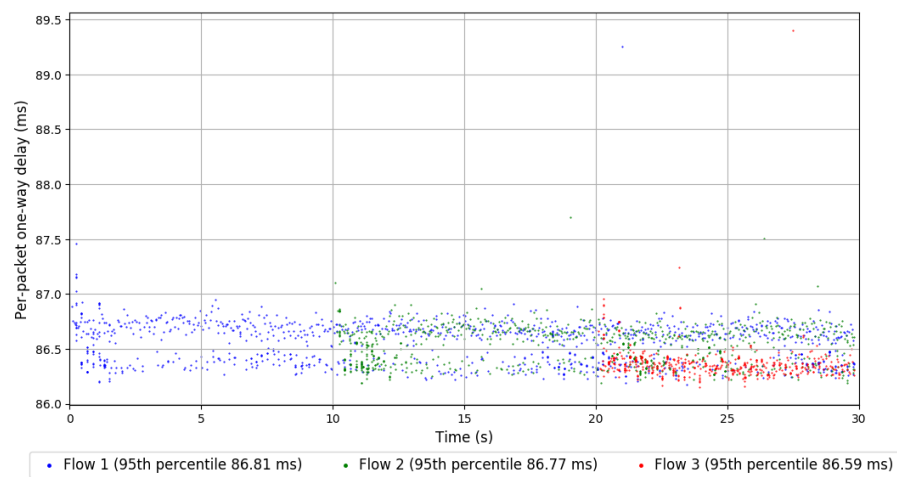
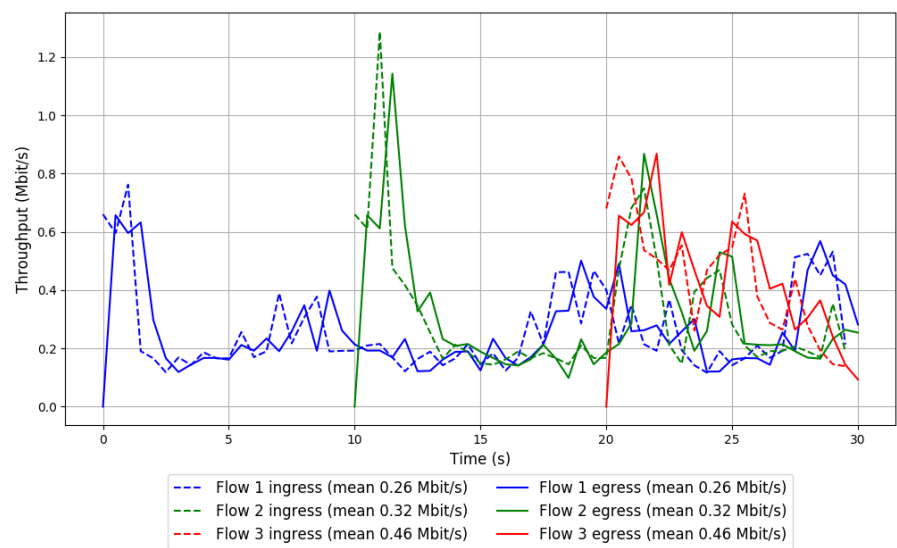
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 86.595 ms

Loss rate: 0.54%

Run 10: Report of Sprout — Data Link

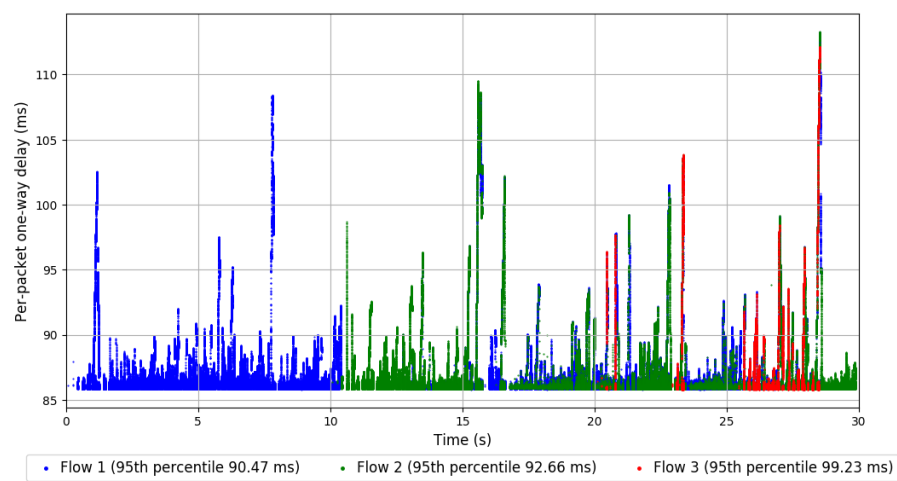
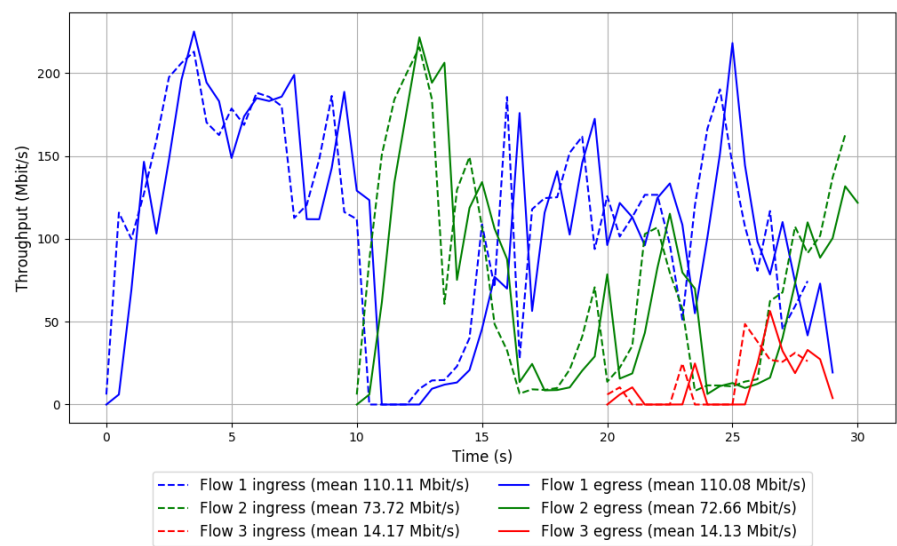


Run 1: Statistics of TaoVA-100x

Start at: 2018-07-25 02:07:12
End at: 2018-07-25 02:07:42
Local clock offset: 0.033 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-07-25 08:07:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 157.49 Mbit/s
95th percentile per-packet one-way delay: 91.754 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 110.08 Mbit/s
95th percentile per-packet one-way delay: 90.470 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 72.66 Mbit/s
95th percentile per-packet one-way delay: 92.658 ms
Loss rate: 2.27%
-- Flow 3:
Average throughput: 14.13 Mbit/s
95th percentile per-packet one-way delay: 99.234 ms
Loss rate: 0.00%

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

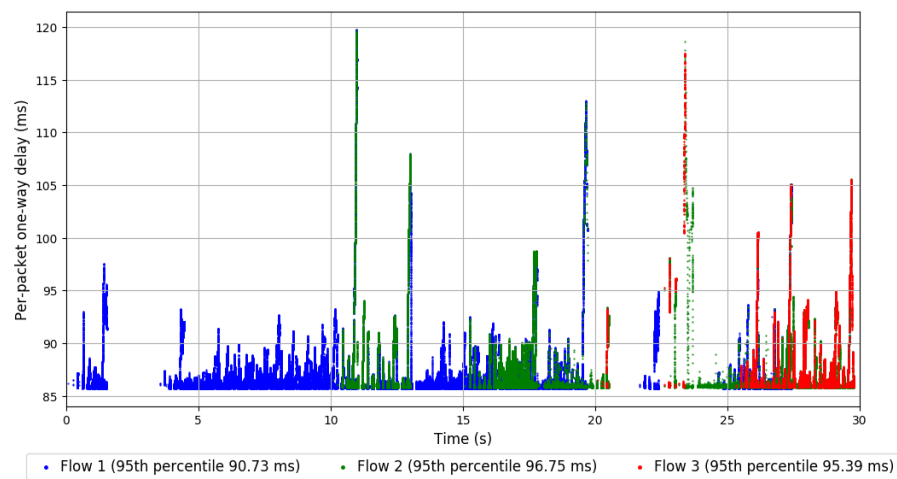
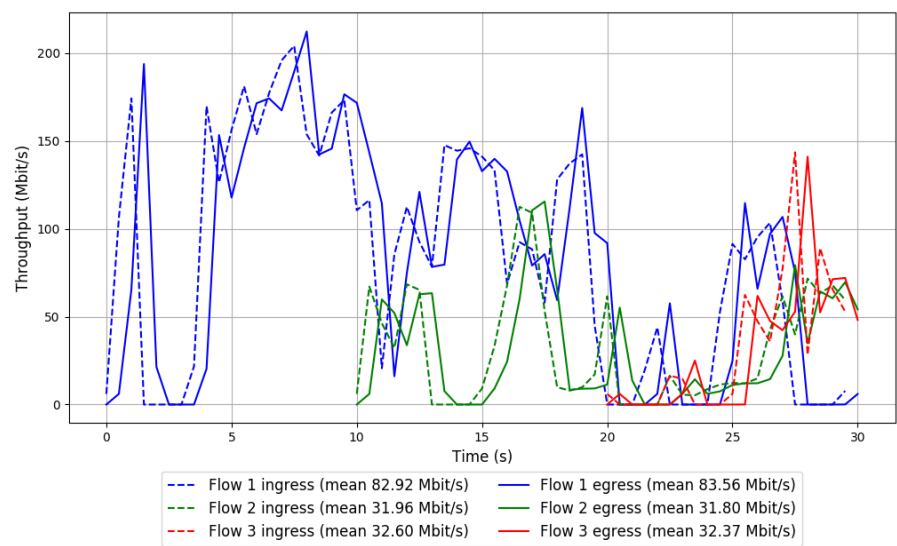


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-25 02:31:38
End at: 2018-07-25 02:32:08
Local clock offset: -0.14 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-07-25 08:07:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 115.04 Mbit/s
95th percentile per-packet one-way delay: 92.239 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 83.56 Mbit/s
95th percentile per-packet one-way delay: 90.728 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 31.80 Mbit/s
95th percentile per-packet one-way delay: 96.752 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 32.37 Mbit/s
95th percentile per-packet one-way delay: 95.390 ms
Loss rate: 2.91%

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

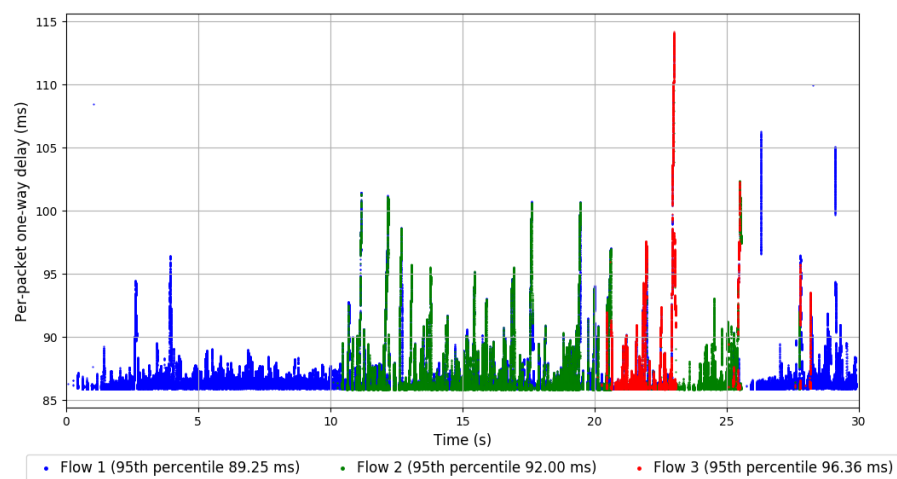
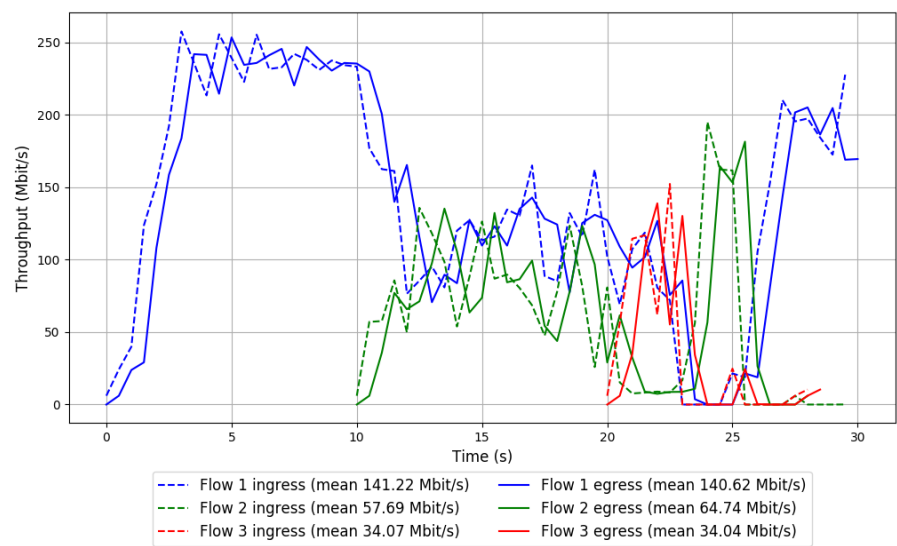


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-25 02:55:54
End at: 2018-07-25 02:56:24
Local clock offset: -0.038 ms
Remote clock offset: -0.161 ms

Below is generated by plot.py at 2018-07-25 08:09:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 188.20 Mbit/s
95th percentile per-packet one-way delay: 90.362 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 140.62 Mbit/s
95th percentile per-packet one-way delay: 89.252 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 64.74 Mbit/s
95th percentile per-packet one-way delay: 91.999 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.04 Mbit/s
95th percentile per-packet one-way delay: 96.355 ms
Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-25 03:20:24

End at: 2018-07-25 03:20:54

Local clock offset: 0.134 ms

Remote clock offset: -0.15 ms

Below is generated by plot.py at 2018-07-25 08:09:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 157.95 Mbit/s

95th percentile per-packet one-way delay: 91.663 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 122.87 Mbit/s

95th percentile per-packet one-way delay: 89.680 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 35.73 Mbit/s

95th percentile per-packet one-way delay: 95.600 ms

Loss rate: 0.00%

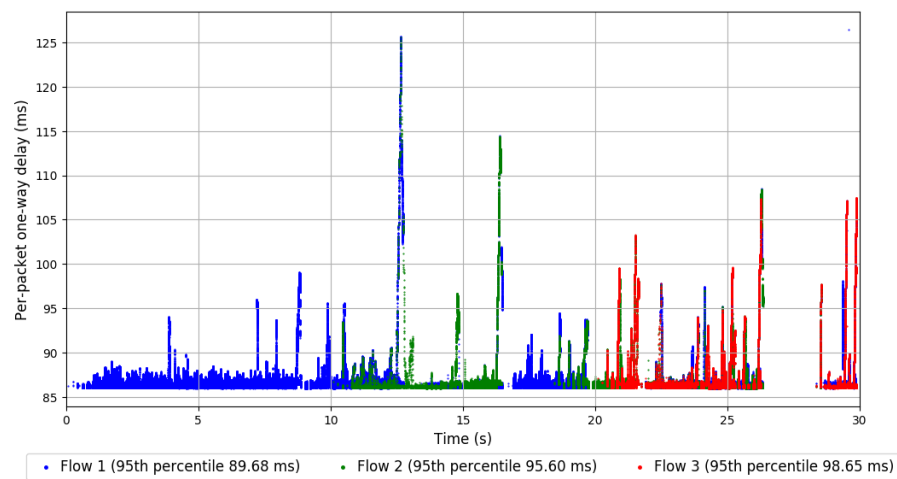
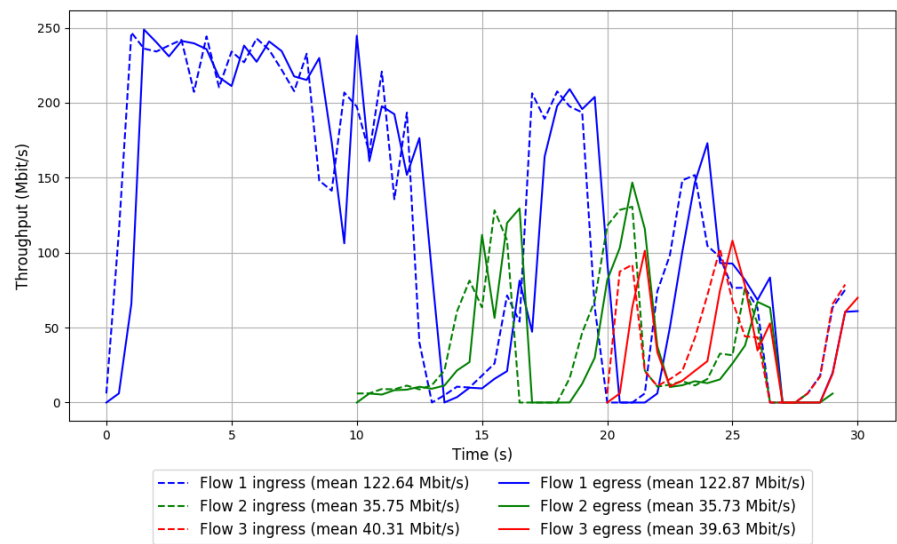
-- Flow 3:

Average throughput: 39.63 Mbit/s

95th percentile per-packet one-way delay: 98.653 ms

Loss rate: 2.29%

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

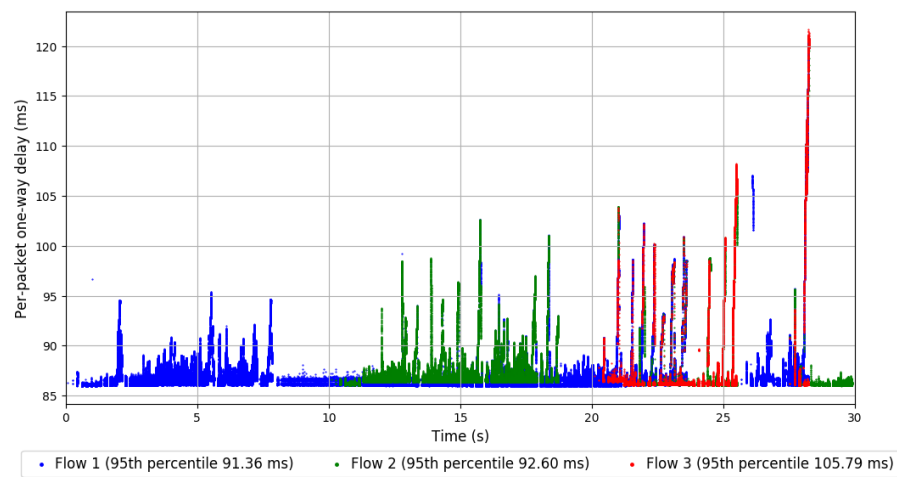
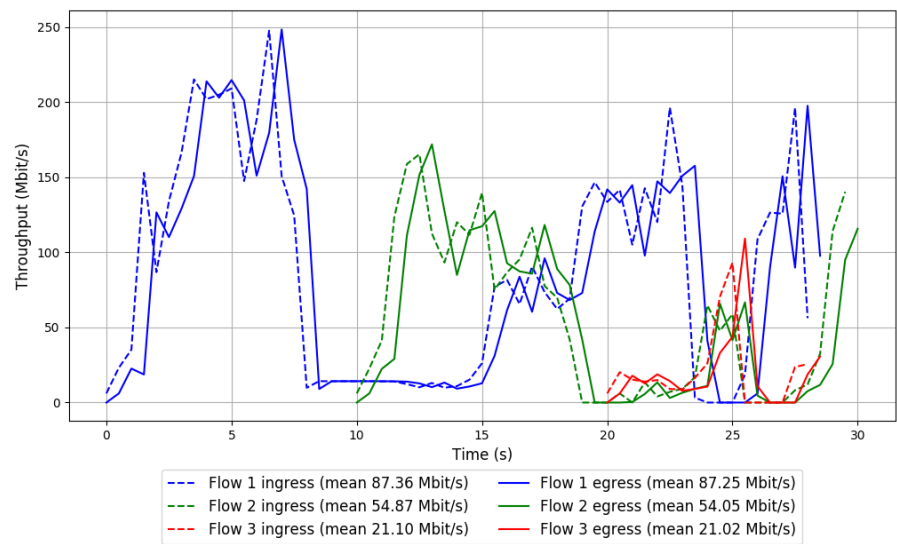


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-25 03:44:57
End at: 2018-07-25 03:45:27
Local clock offset: 0.091 ms
Remote clock offset: -0.196 ms

Below is generated by plot.py at 2018-07-25 08:09:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 124.13 Mbit/s
95th percentile per-packet one-way delay: 92.611 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 87.25 Mbit/s
95th percentile per-packet one-way delay: 91.356 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 54.05 Mbit/s
95th percentile per-packet one-way delay: 92.598 ms
Loss rate: 2.35%
-- Flow 3:
Average throughput: 21.02 Mbit/s
95th percentile per-packet one-way delay: 105.786 ms
Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-25 04:09:00

End at: 2018-07-25 04:09:30

Local clock offset: -0.11 ms

Remote clock offset: -0.0 ms

Below is generated by plot.py at 2018-07-25 08:09:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 144.62 Mbit/s

95th percentile per-packet one-way delay: 91.458 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 109.86 Mbit/s

95th percentile per-packet one-way delay: 90.782 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 48.36 Mbit/s

95th percentile per-packet one-way delay: 92.855 ms

Loss rate: 0.00%

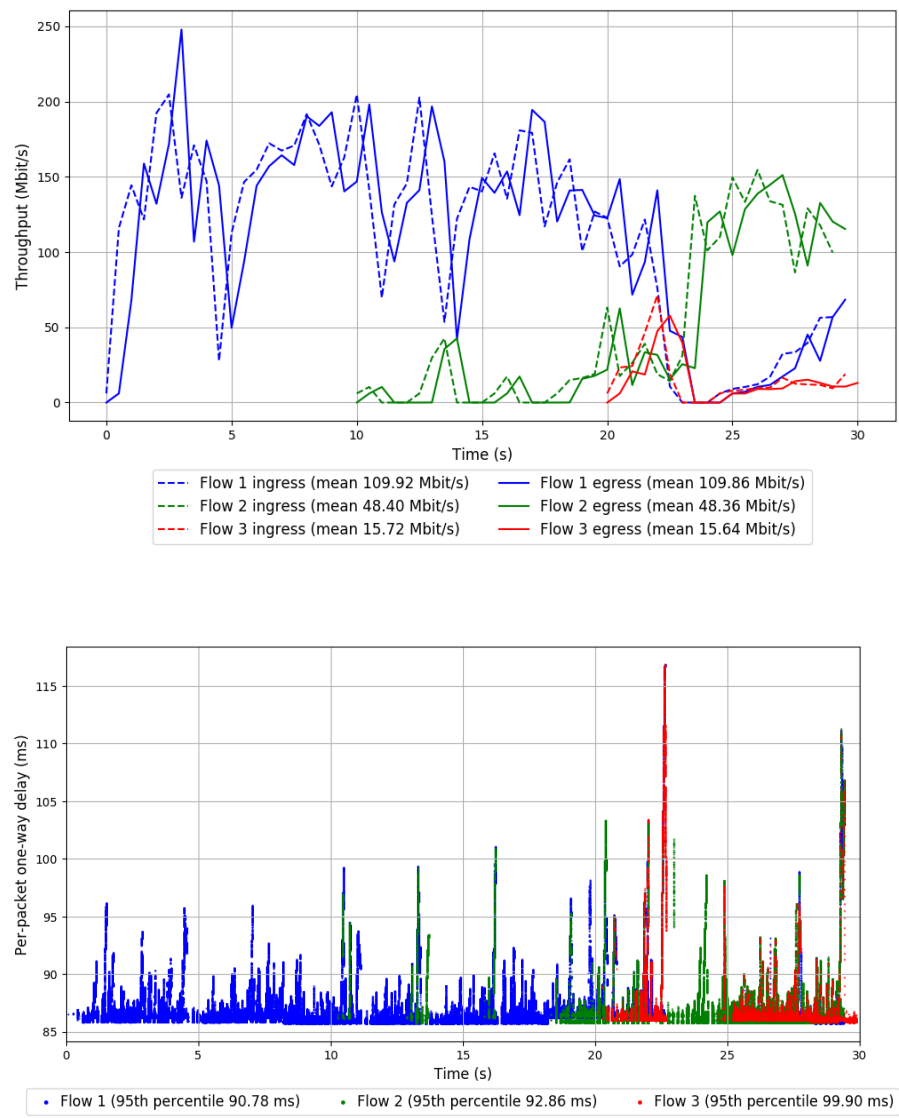
-- Flow 3:

Average throughput: 15.64 Mbit/s

95th percentile per-packet one-way delay: 99.899 ms

Loss rate: 2.28%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-25 04:33:24

End at: 2018-07-25 04:33:54

Local clock offset: -0.152 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-07-25 08:10:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 188.05 Mbit/s

95th percentile per-packet one-way delay: 90.580 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 139.30 Mbit/s

95th percentile per-packet one-way delay: 88.728 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 39.65 Mbit/s

95th percentile per-packet one-way delay: 97.060 ms

Loss rate: 0.45%

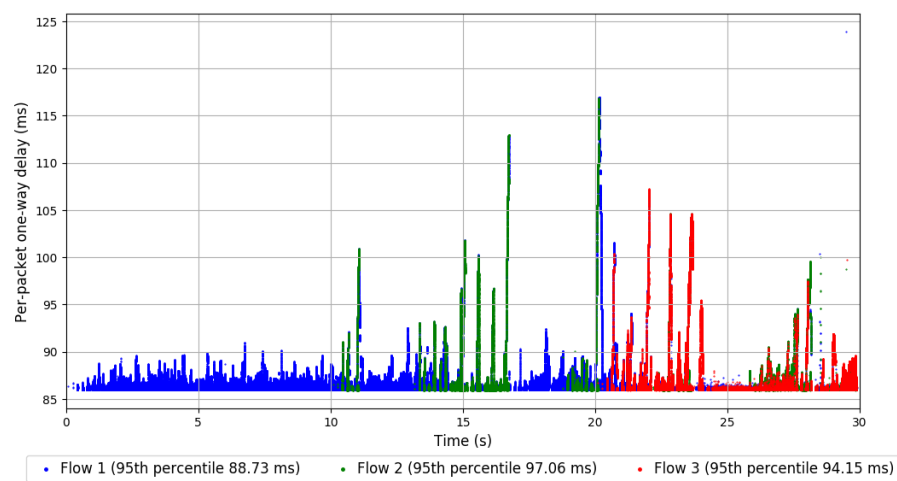
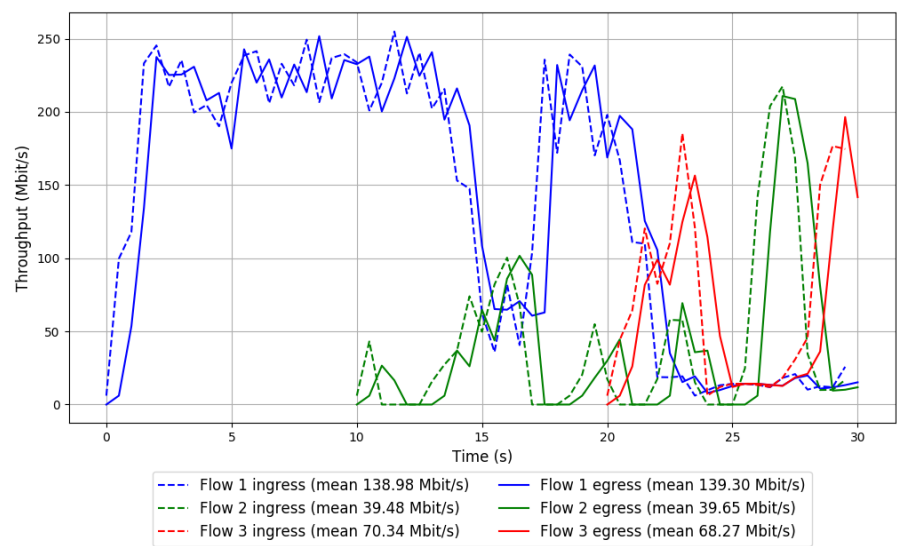
-- Flow 3:

Average throughput: 68.27 Mbit/s

95th percentile per-packet one-way delay: 94.149 ms

Loss rate: 4.63%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-25 04:58:08

End at: 2018-07-25 04:58:38

Local clock offset: -0.168 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-07-25 08:12:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 203.29 Mbit/s

95th percentile per-packet one-way delay: 88.649 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 167.76 Mbit/s

95th percentile per-packet one-way delay: 87.991 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 42.66 Mbit/s

95th percentile per-packet one-way delay: 91.406 ms

Loss rate: 2.20%

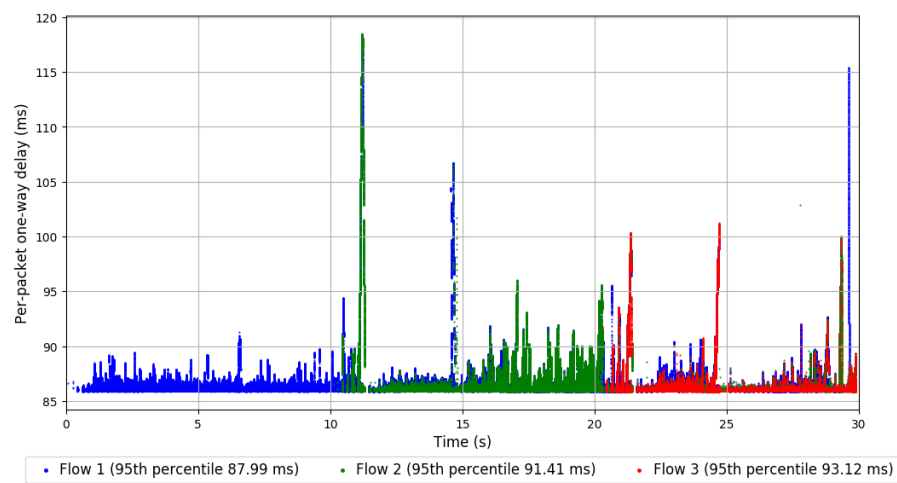
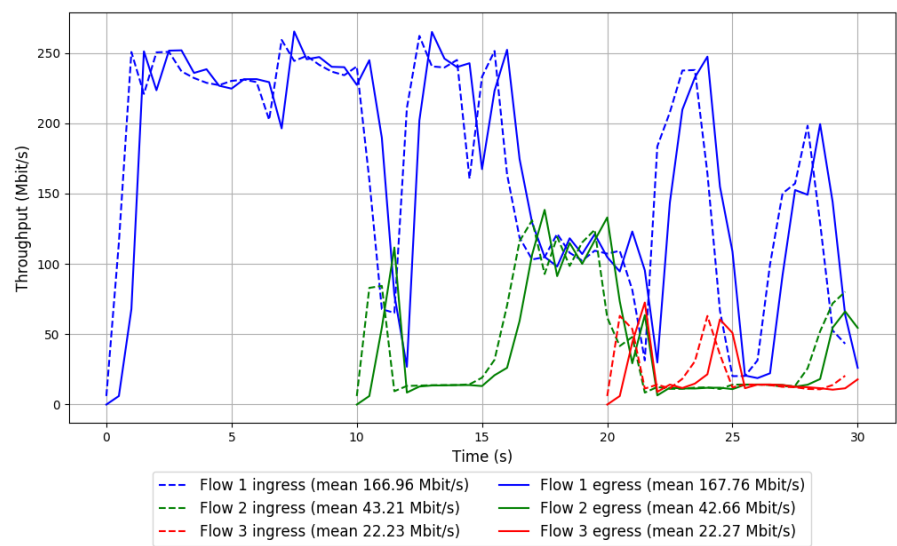
-- Flow 3:

Average throughput: 22.27 Mbit/s

95th percentile per-packet one-way delay: 93.124 ms

Loss rate: 1.57%

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

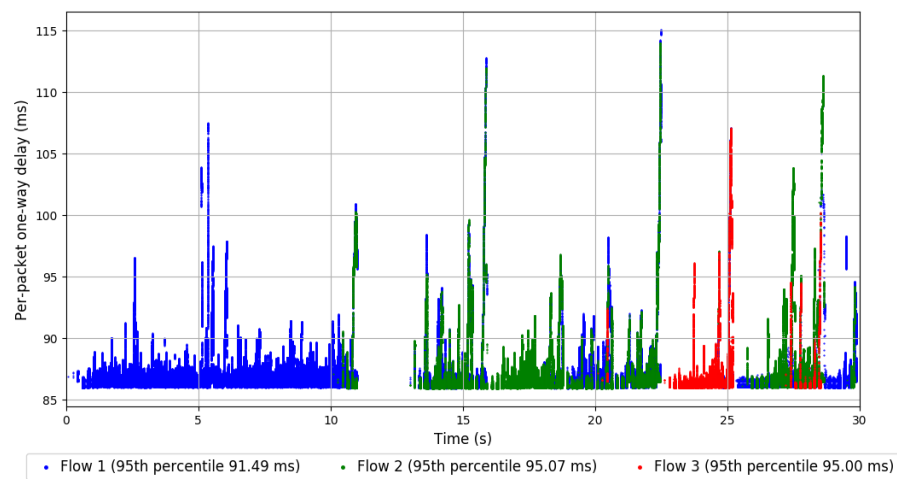
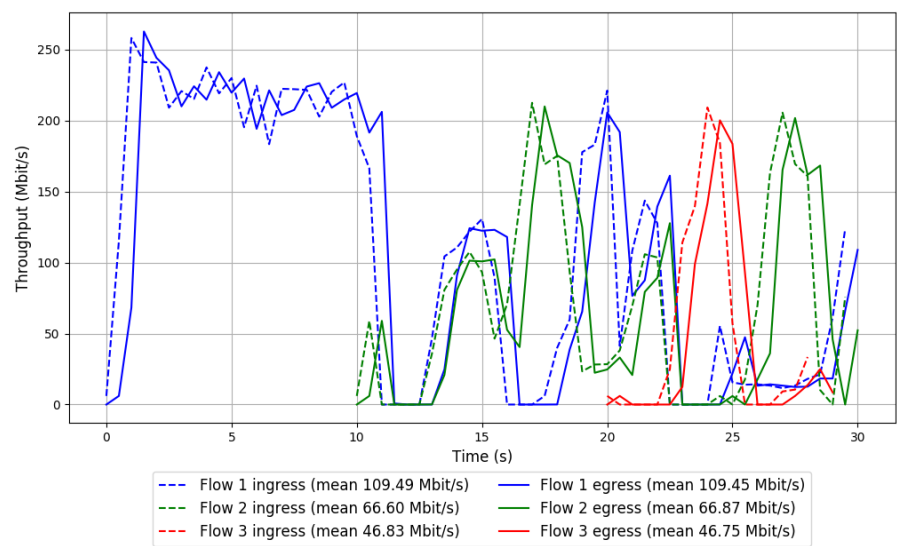


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-25 05:22:18
End at: 2018-07-25 05:22:48
Local clock offset: 0.099 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-07-25 08:13:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 166.90 Mbit/s
95th percentile per-packet one-way delay: 92.917 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 109.45 Mbit/s
95th percentile per-packet one-way delay: 91.494 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 66.87 Mbit/s
95th percentile per-packet one-way delay: 95.066 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 46.75 Mbit/s
95th percentile per-packet one-way delay: 95.003 ms
Loss rate: 0.00%

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

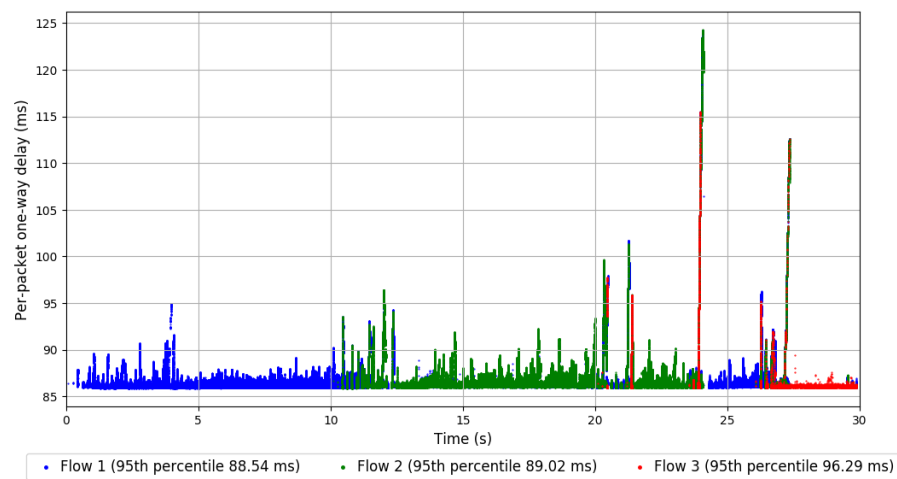
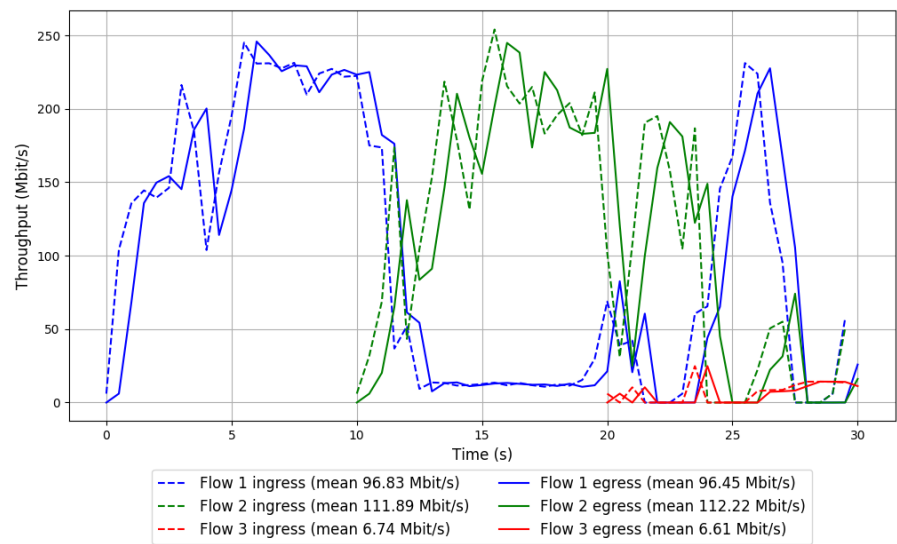


Run 10: Statistics of TaoVA-100x

Start at: 2018-07-25 05:46:38
End at: 2018-07-25 05:47:08
Local clock offset: 0.038 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-25 08:15:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 172.61 Mbit/s
95th percentile per-packet one-way delay: 88.854 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 96.45 Mbit/s
95th percentile per-packet one-way delay: 88.541 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 112.22 Mbit/s
95th percentile per-packet one-way delay: 89.019 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 6.61 Mbit/s
95th percentile per-packet one-way delay: 96.286 ms
Loss rate: 3.65%

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

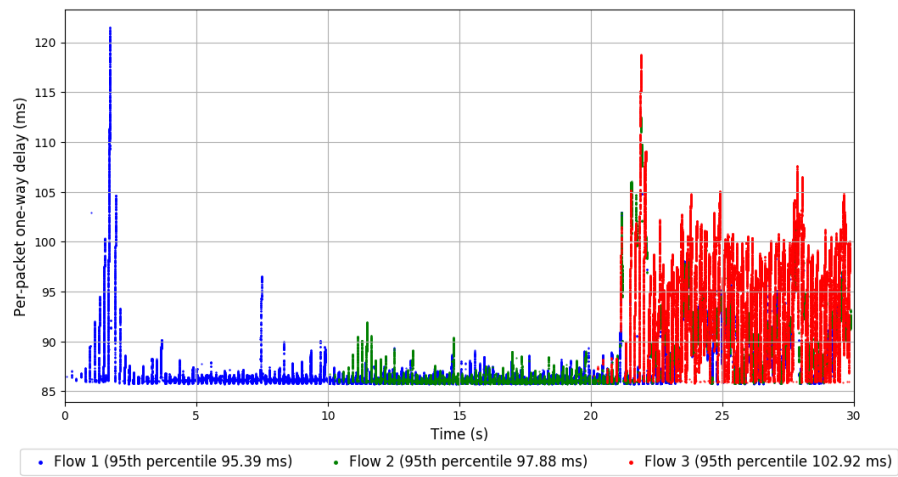
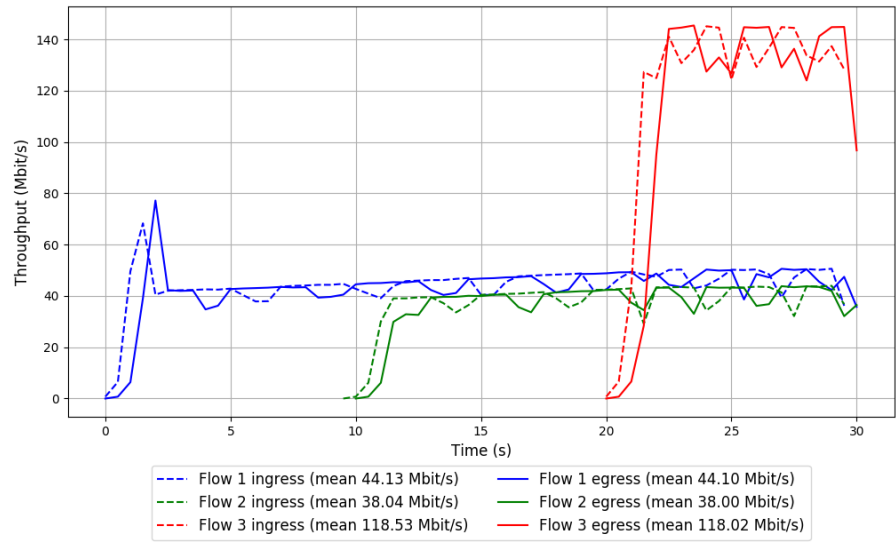


Run 1: Statistics of TCP Vegas

Start at: 2018-07-25 02:08:39
End at: 2018-07-25 02:09:09
Local clock offset: -0.07 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-07-25 08:15:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 108.00 Mbit/s
95th percentile per-packet one-way delay: 100.600 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 44.10 Mbit/s
95th percentile per-packet one-way delay: 95.390 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 38.00 Mbit/s
95th percentile per-packet one-way delay: 97.881 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 118.02 Mbit/s
95th percentile per-packet one-way delay: 102.919 ms
Loss rate: 2.05%

Run 1: Report of TCP Vegas — Data Link

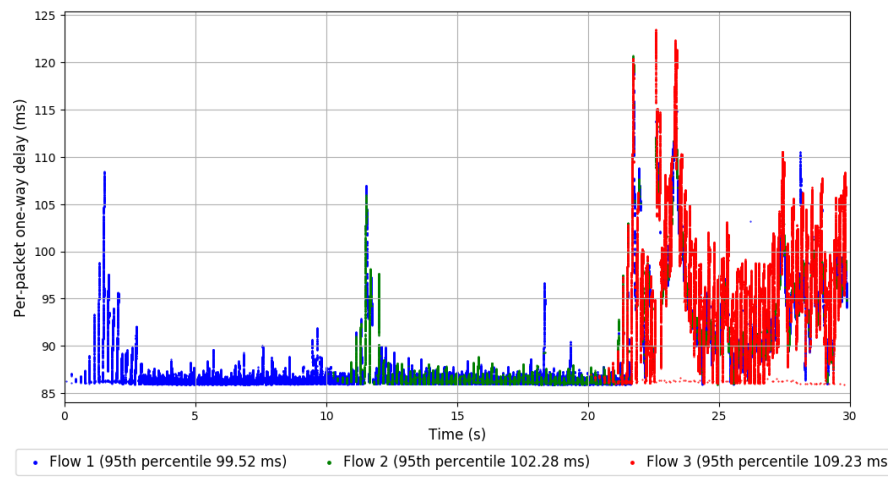
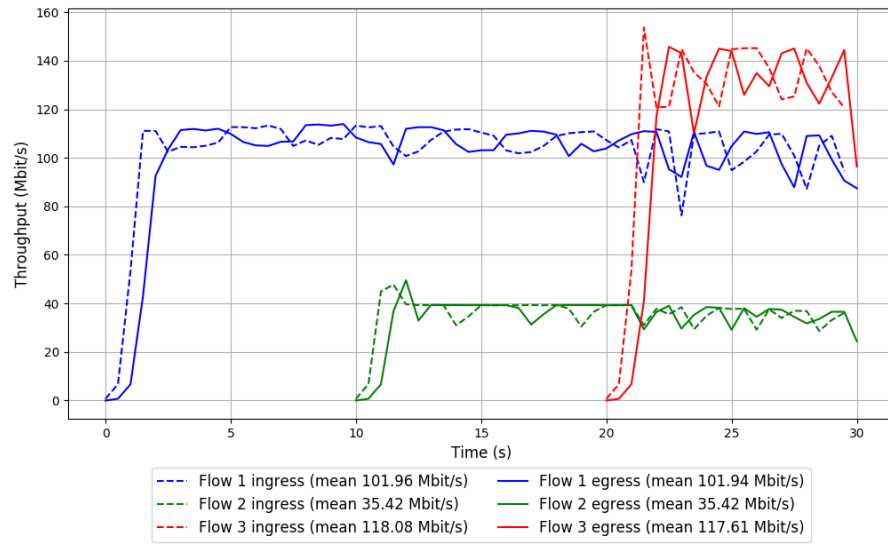


Run 2: Statistics of TCP Vegas

Start at: 2018-07-25 02:33:00
End at: 2018-07-25 02:33:30
Local clock offset: -0.0 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-07-25 08:15:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 163.92 Mbit/s
95th percentile per-packet one-way delay: 105.281 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 101.94 Mbit/s
95th percentile per-packet one-way delay: 99.515 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 35.42 Mbit/s
95th percentile per-packet one-way delay: 102.280 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 117.61 Mbit/s
95th percentile per-packet one-way delay: 109.229 ms
Loss rate: 2.06%

Run 2: Report of TCP Vegas — Data Link

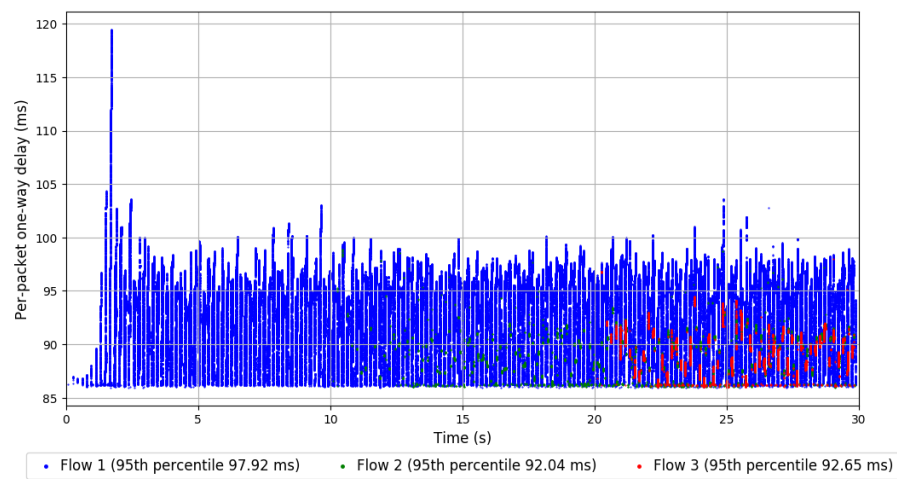
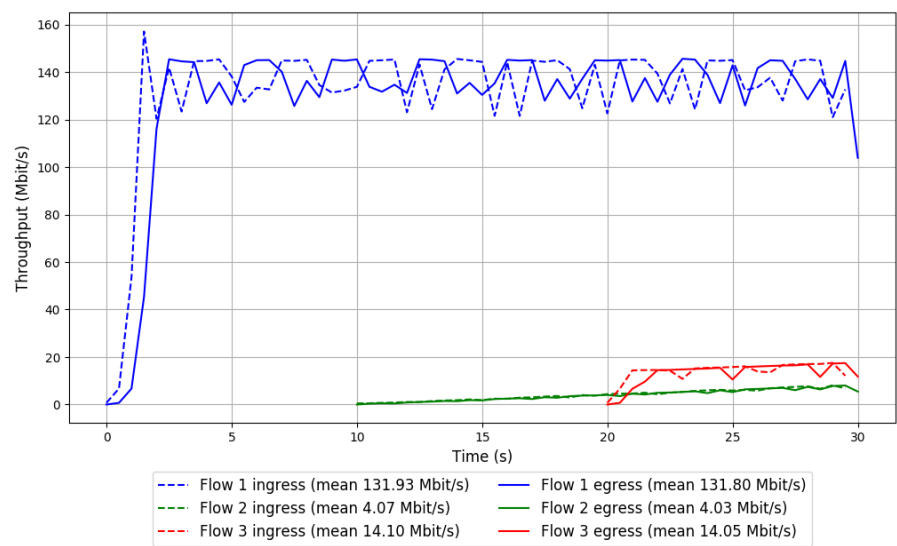


Run 3: Statistics of TCP Vegas

Start at: 2018-07-25 02:57:23
End at: 2018-07-25 02:57:53
Local clock offset: 0.021 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-07-25 08:15:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 139.05 Mbit/s
95th percentile per-packet one-way delay: 97.852 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 131.80 Mbit/s
95th percentile per-packet one-way delay: 97.916 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 92.041 ms
Loss rate: 1.79%
-- Flow 3:
Average throughput: 14.05 Mbit/s
95th percentile per-packet one-way delay: 92.652 ms
Loss rate: 2.13%

Run 3: Report of TCP Vegas — Data Link

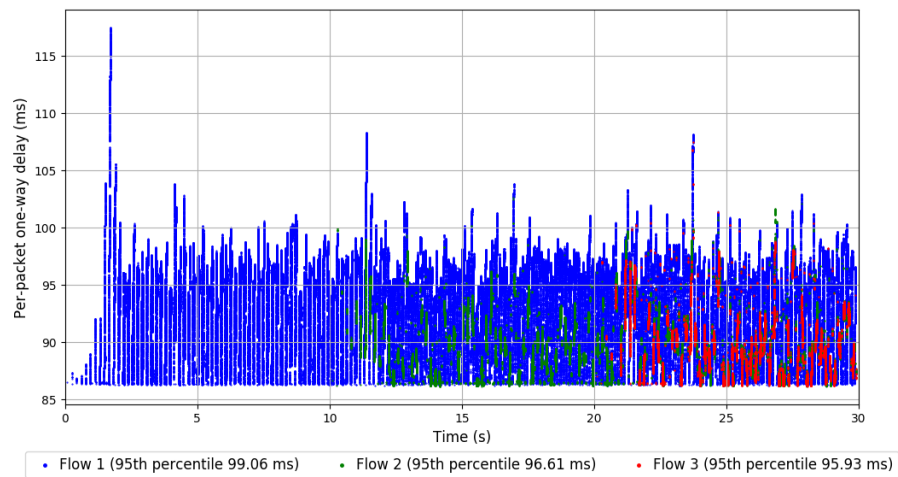
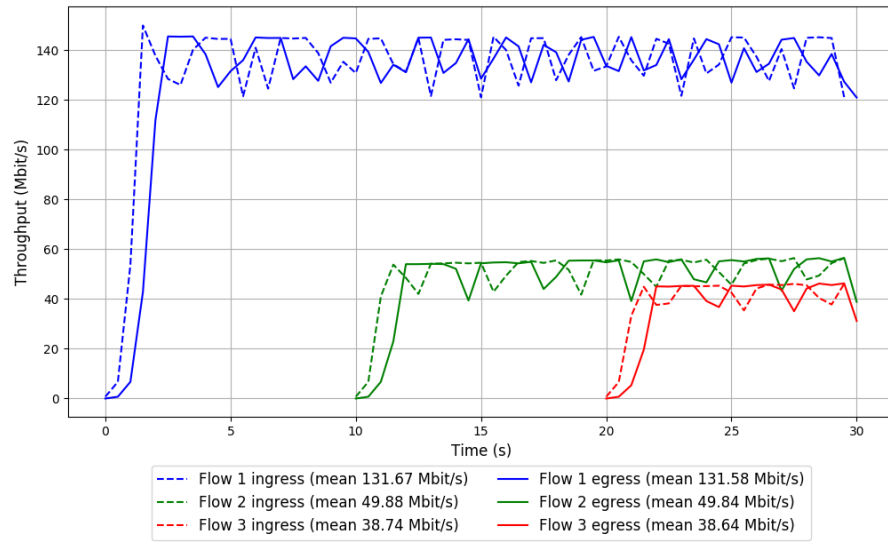


Run 4: Statistics of TCP Vegas

Start at: 2018-07-25 03:21:50
End at: 2018-07-25 03:22:20
Local clock offset: 0.223 ms
Remote clock offset: -0.191 ms

Below is generated by plot.py at 2018-07-25 08:15:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 177.34 Mbit/s
95th percentile per-packet one-way delay: 98.533 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 131.58 Mbit/s
95th percentile per-packet one-way delay: 99.060 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 49.84 Mbit/s
95th percentile per-packet one-way delay: 96.614 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 38.64 Mbit/s
95th percentile per-packet one-way delay: 95.931 ms
Loss rate: 2.00%

Run 4: Report of TCP Vegas — Data Link

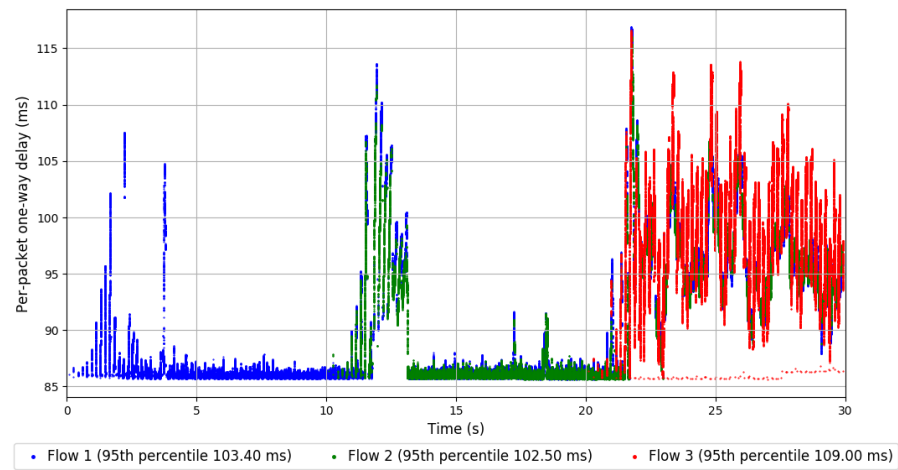
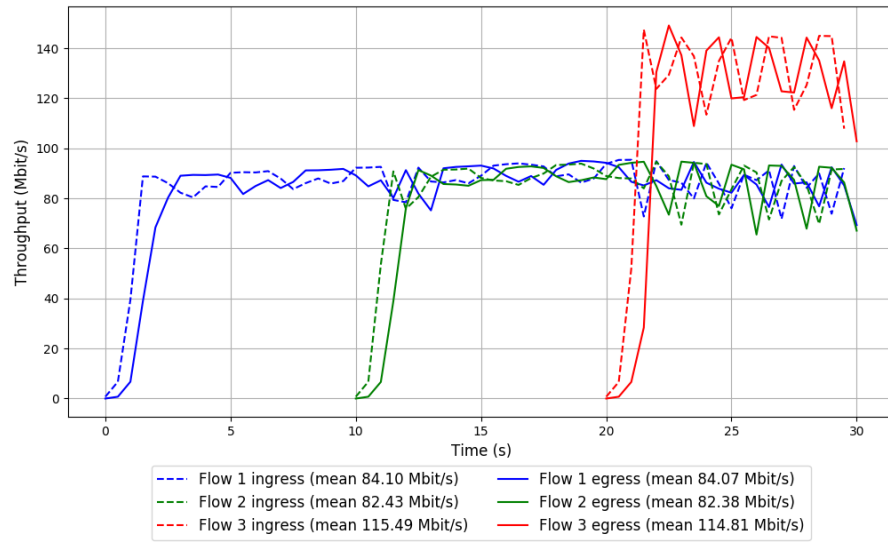


Run 5: Statistics of TCP Vegas

Start at: 2018-07-25 03:46:21
End at: 2018-07-25 03:46:51
Local clock offset: -0.238 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2018-07-25 08:15:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 176.44 Mbit/s
95th percentile per-packet one-way delay: 105.297 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 84.07 Mbit/s
95th percentile per-packet one-way delay: 103.404 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 82.38 Mbit/s
95th percentile per-packet one-way delay: 102.501 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 114.81 Mbit/s
95th percentile per-packet one-way delay: 109.005 ms
Loss rate: 2.32%

Run 5: Report of TCP Vegas — Data Link

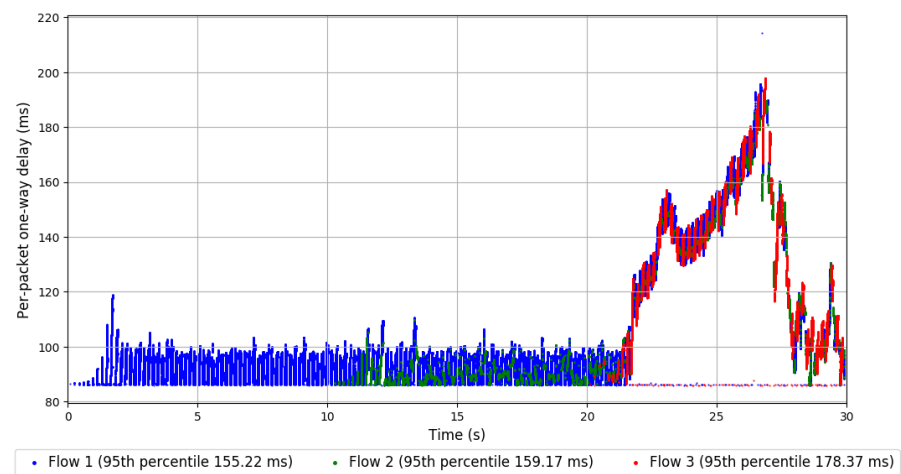
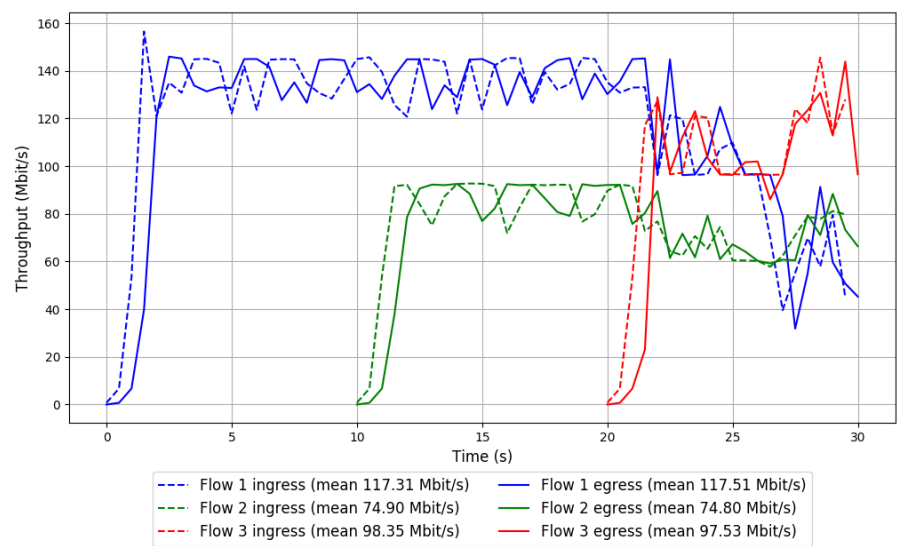


Run 6: Statistics of TCP Vegas

Start at: 2018-07-25 04:10:25
End at: 2018-07-25 04:10:55
Local clock offset: -0.07 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-25 08:15:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 199.05 Mbit/s
95th percentile per-packet one-way delay: 164.034 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 117.51 Mbit/s
95th percentile per-packet one-way delay: 155.224 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 74.80 Mbit/s
95th percentile per-packet one-way delay: 159.174 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 97.53 Mbit/s
95th percentile per-packet one-way delay: 178.373 ms
Loss rate: 2.49%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-25 04:34:54

End at: 2018-07-25 04:35:24

Local clock offset: -0.07 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2018-07-25 08:16:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 203.01 Mbit/s

95th percentile per-packet one-way delay: 101.083 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 123.97 Mbit/s

95th percentile per-packet one-way delay: 101.658 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 118.22 Mbit/s

95th percentile per-packet one-way delay: 100.026 ms

Loss rate: 0.42%

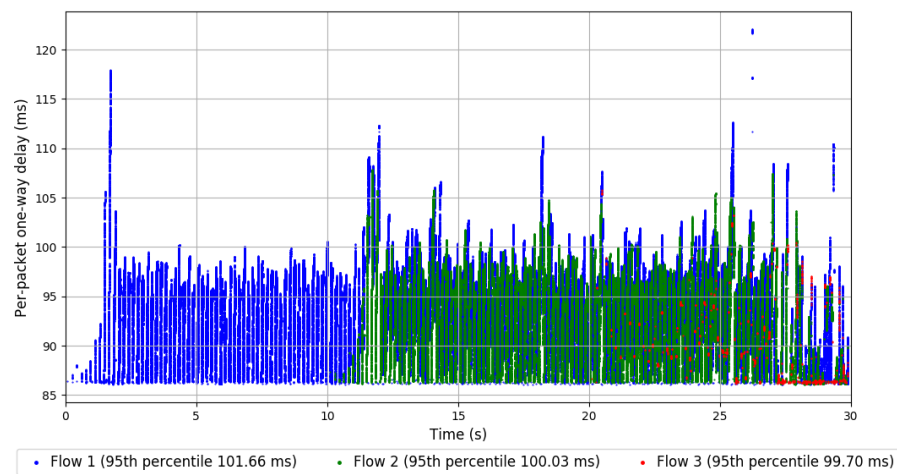
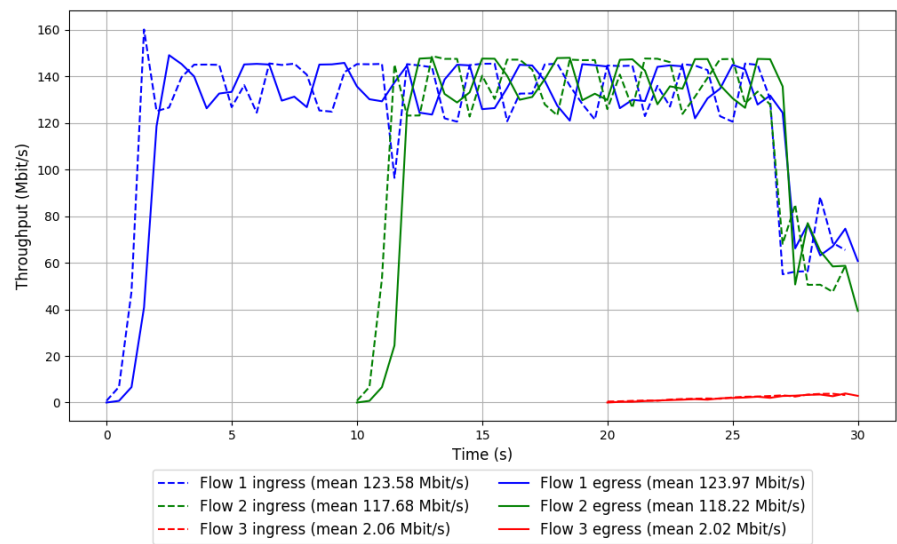
-- Flow 3:

Average throughput: 2.02 Mbit/s

95th percentile per-packet one-way delay: 99.702 ms

Loss rate: 3.68%

Run 7: Report of TCP Vegas — Data Link

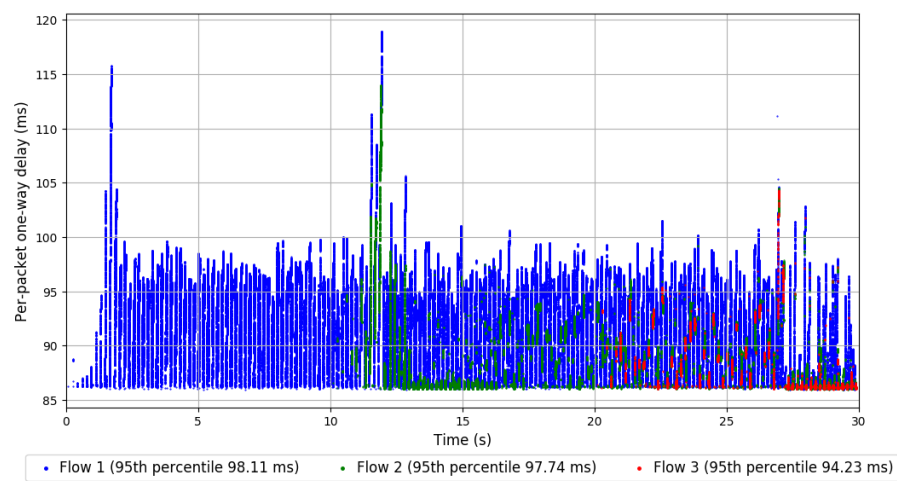
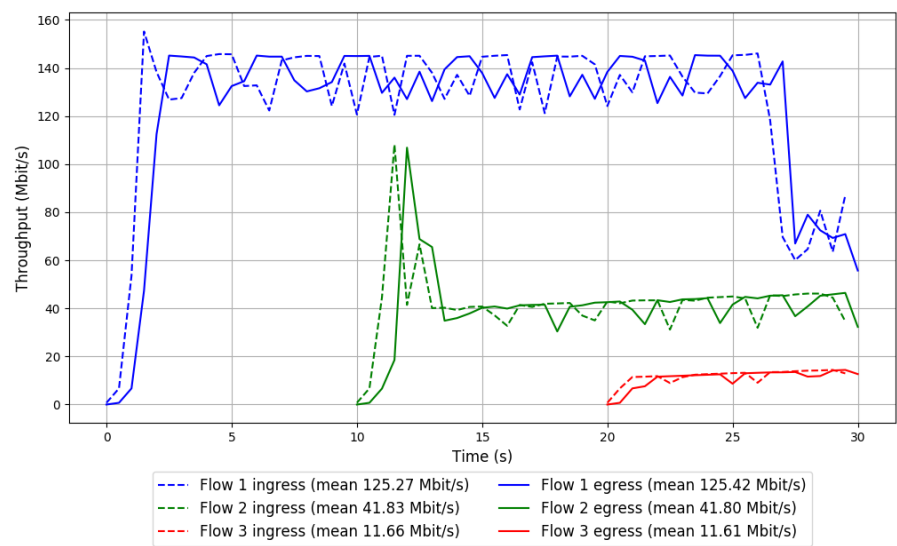


Run 8: Statistics of TCP Vegas

Start at: 2018-07-25 04:59:40
End at: 2018-07-25 05:00:10
Local clock offset: -0.079 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-25 08:16:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 156.80 Mbit/s
95th percentile per-packet one-way delay: 98.043 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 125.42 Mbit/s
95th percentile per-packet one-way delay: 98.105 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 41.80 Mbit/s
95th percentile per-packet one-way delay: 97.744 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 11.61 Mbit/s
95th percentile per-packet one-way delay: 94.229 ms
Loss rate: 2.13%

Run 8: Report of TCP Vegas — Data Link

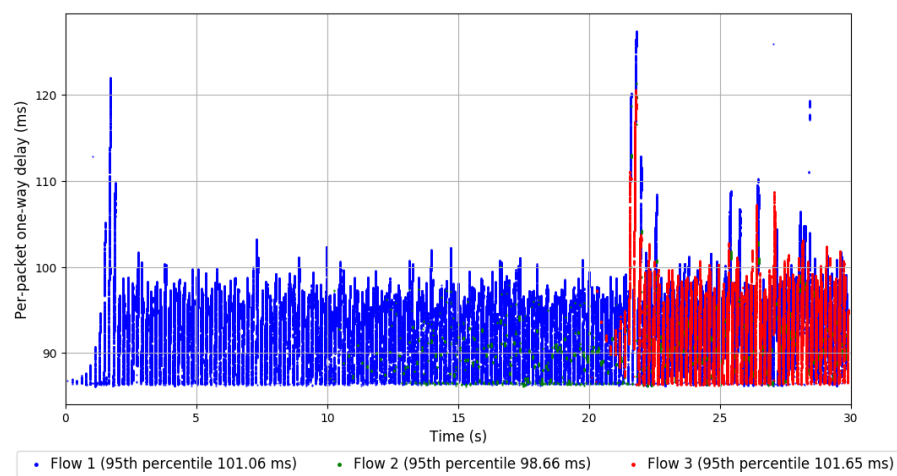
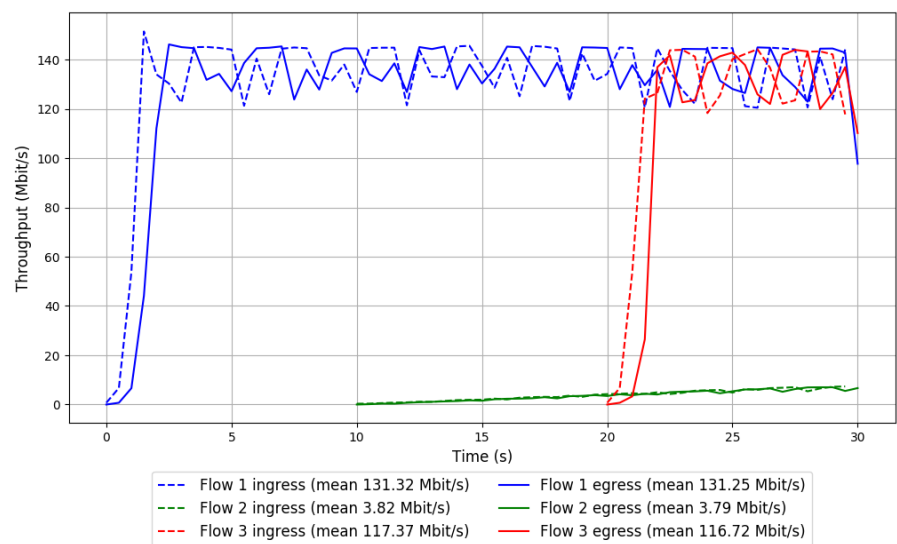


Run 9: Statistics of TCP Vegas

Start at: 2018-07-25 05:23:47
End at: 2018-07-25 05:24:17
Local clock offset: 0.205 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-07-25 08:17:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 171.92 Mbit/s
95th percentile per-packet one-way delay: 101.172 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 131.25 Mbit/s
95th percentile per-packet one-way delay: 101.056 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 3.79 Mbit/s
95th percentile per-packet one-way delay: 98.660 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 116.72 Mbit/s
95th percentile per-packet one-way delay: 101.650 ms
Loss rate: 2.28%

Run 9: Report of TCP Vegas — Data Link

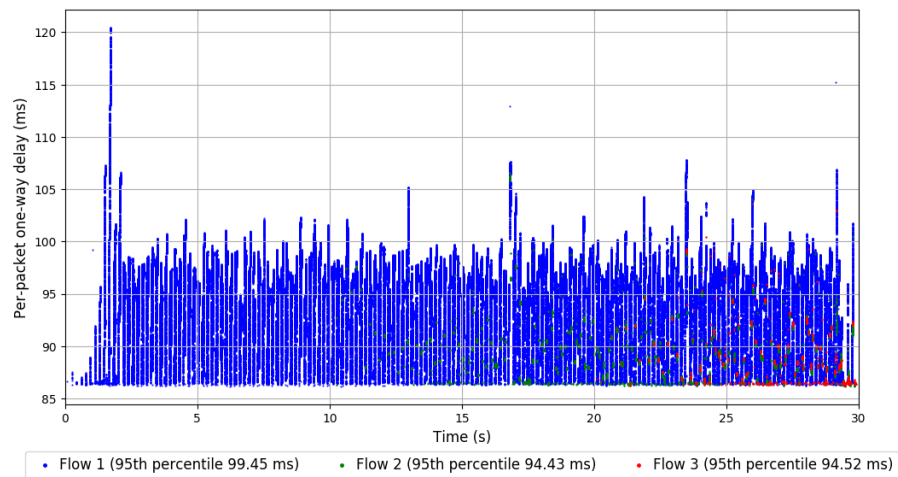
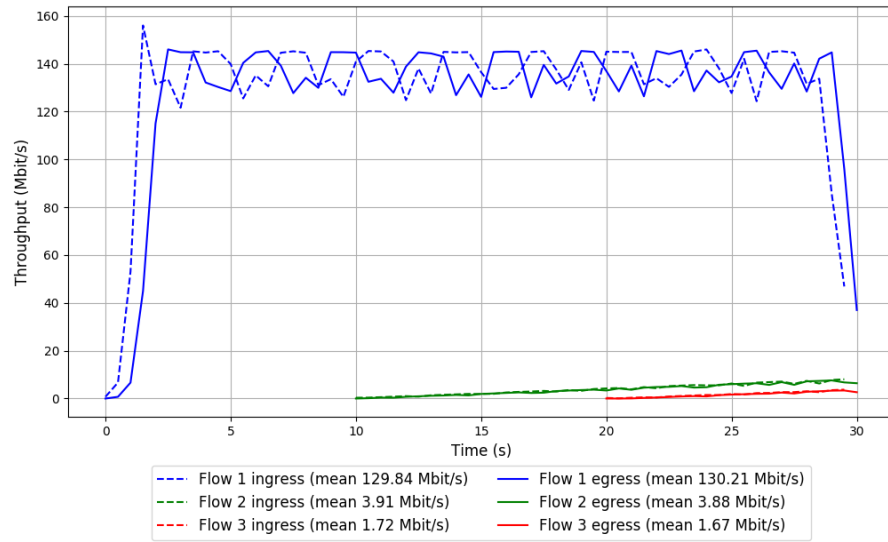


Run 10: Statistics of TCP Vegas

Start at: 2018-07-25 05:48:06
End at: 2018-07-25 05:48:36
Local clock offset: 0.241 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-07-25 08:17:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 133.00 Mbit/s
95th percentile per-packet one-way delay: 99.415 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 130.21 Mbit/s
95th percentile per-packet one-way delay: 99.455 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 94.431 ms
Loss rate: 1.86%
-- Flow 3:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 94.516 ms
Loss rate: 4.41%

Run 10: Report of TCP Vegas — Data Link

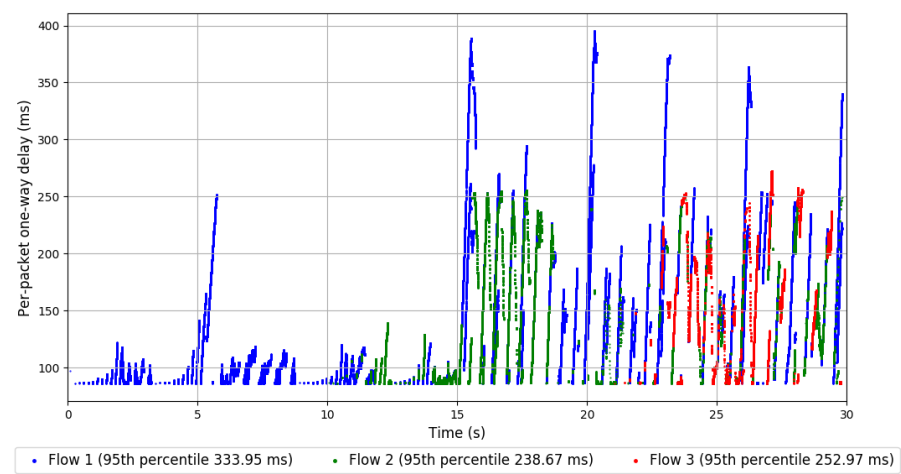
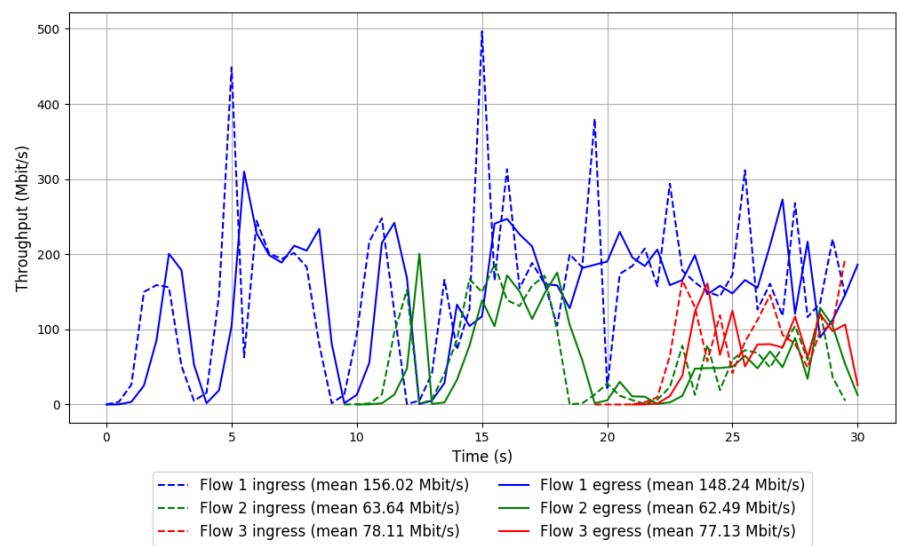


Run 1: Statistics of Verus

Start at: 2018-07-25 02:05:45
End at: 2018-07-25 02:06:15
Local clock offset: 0.059 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-07-25 08:19:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 212.43 Mbit/s
95th percentile per-packet one-way delay: 283.069 ms
Loss rate: 5.24%
-- Flow 1:
Average throughput: 148.24 Mbit/s
95th percentile per-packet one-way delay: 333.950 ms
Loss rate: 4.56%
-- Flow 2:
Average throughput: 62.49 Mbit/s
95th percentile per-packet one-way delay: 238.667 ms
Loss rate: 2.65%
-- Flow 3:
Average throughput: 77.13 Mbit/s
95th percentile per-packet one-way delay: 252.969 ms
Loss rate: 13.47%

Run 1: Report of Verus — Data Link

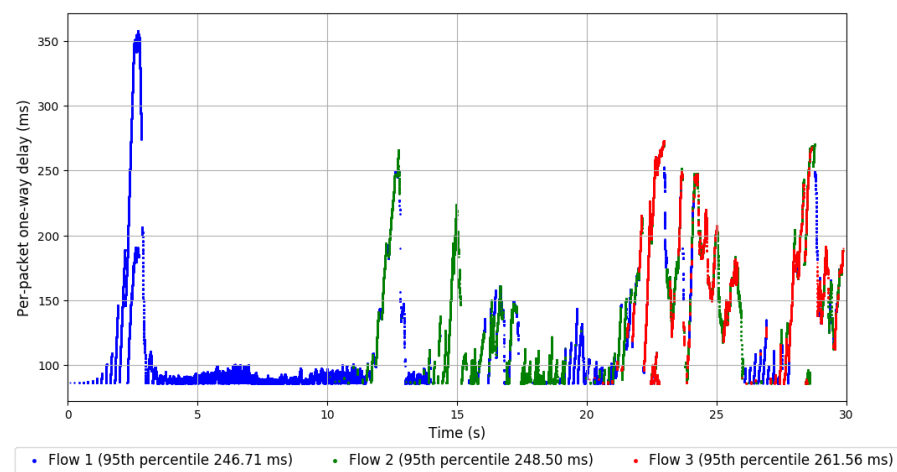
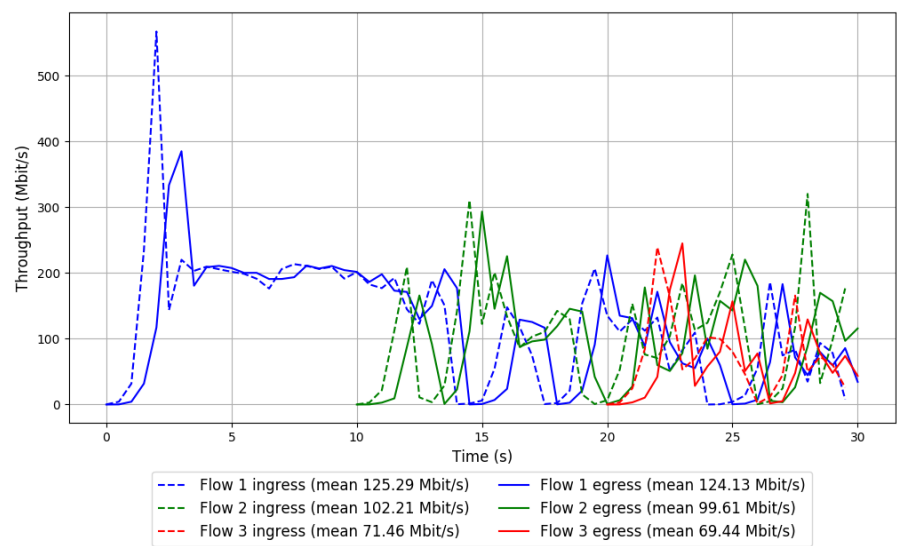


Run 2: Statistics of Verus

Start at: 2018-07-25 02:30:09
End at: 2018-07-25 02:30:39
Local clock offset: -0.045 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-07-25 08:20:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 212.43 Mbit/s
95th percentile per-packet one-way delay: 249.168 ms
Loss rate: 2.20%
-- Flow 1:
Average throughput: 124.13 Mbit/s
95th percentile per-packet one-way delay: 246.705 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 99.61 Mbit/s
95th percentile per-packet one-way delay: 248.505 ms
Loss rate: 3.16%
-- Flow 3:
Average throughput: 69.44 Mbit/s
95th percentile per-packet one-way delay: 261.563 ms
Loss rate: 3.19%

Run 2: Report of Verus — Data Link

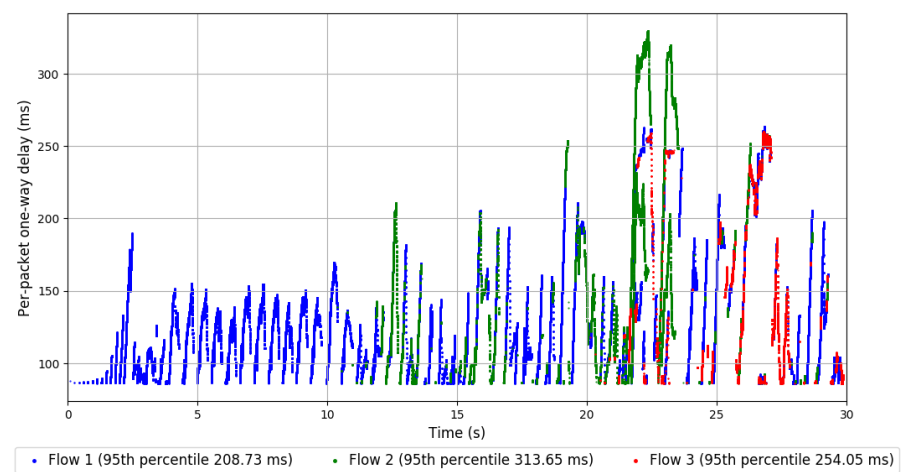
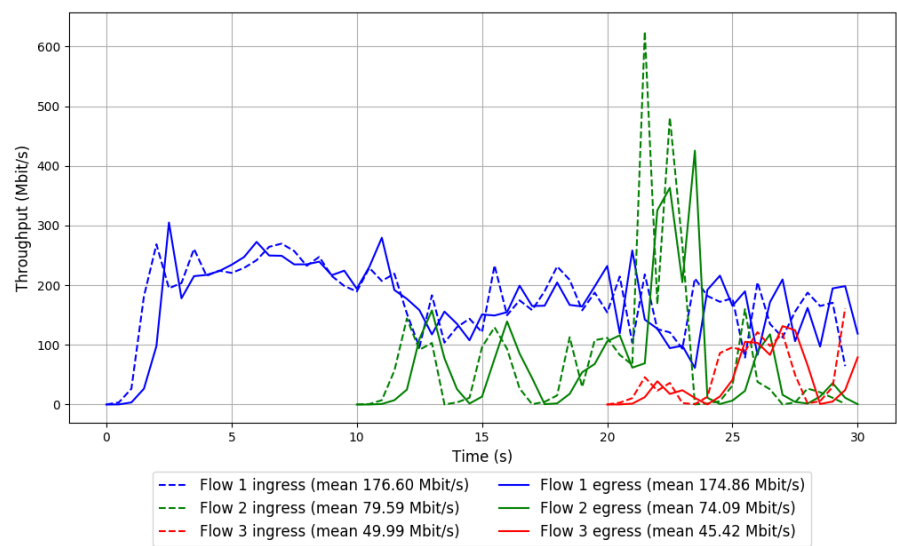


Run 3: Statistics of Verus

Start at: 2018-07-25 02:54:26
End at: 2018-07-25 02:54:56
Local clock offset: 0.193 ms
Remote clock offset: -0.196 ms

Below is generated by plot.py at 2018-07-25 08:21:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 237.99 Mbit/s
95th percentile per-packet one-way delay: 256.213 ms
Loss rate: 3.14%
-- Flow 1:
Average throughput: 174.86 Mbit/s
95th percentile per-packet one-way delay: 208.731 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 74.09 Mbit/s
95th percentile per-packet one-way delay: 313.649 ms
Loss rate: 7.99%
-- Flow 3:
Average throughput: 45.42 Mbit/s
95th percentile per-packet one-way delay: 254.048 ms
Loss rate: 11.06%

Run 3: Report of Verus — Data Link

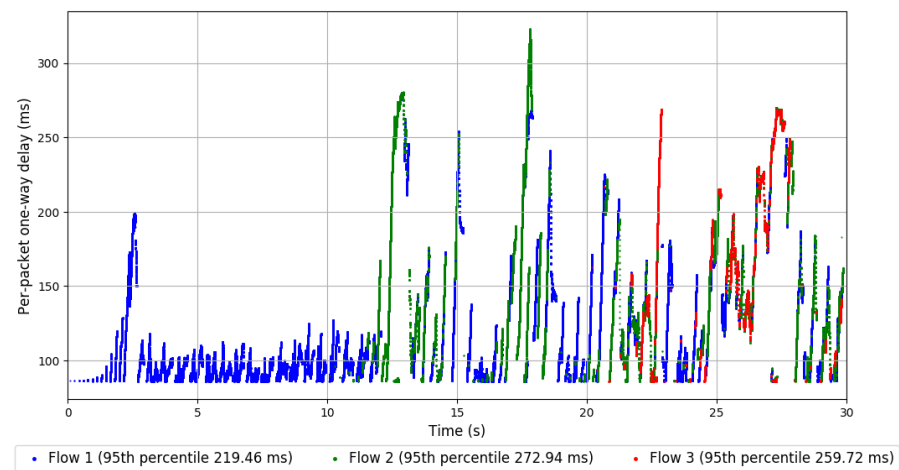
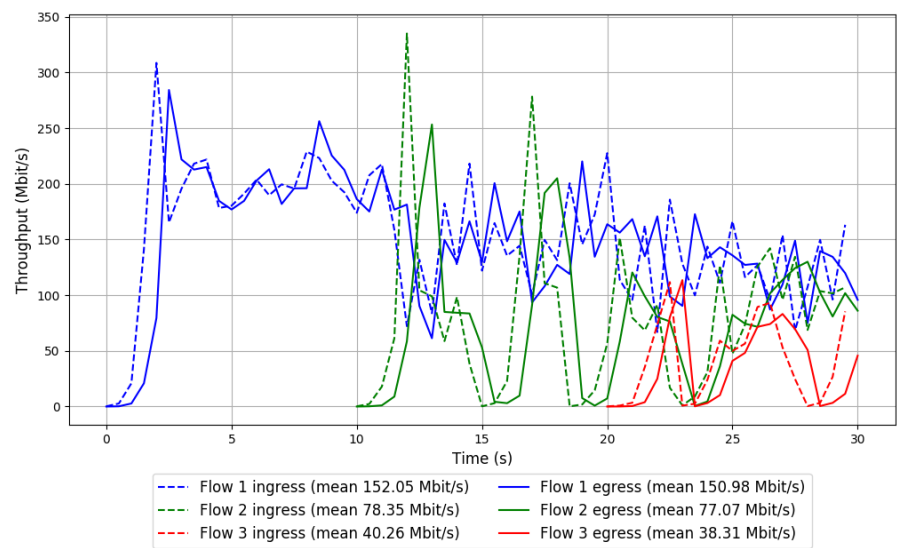


Run 4: Statistics of Verus

Start at: 2018-07-25 03:18:57
End at: 2018-07-25 03:19:27
Local clock offset: 0.015 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-07-25 08:21:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 214.47 Mbit/s
95th percentile per-packet one-way delay: 251.007 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 150.98 Mbit/s
95th percentile per-packet one-way delay: 219.460 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 77.07 Mbit/s
95th percentile per-packet one-way delay: 272.942 ms
Loss rate: 2.51%
-- Flow 3:
Average throughput: 38.31 Mbit/s
95th percentile per-packet one-way delay: 259.722 ms
Loss rate: 7.33%

Run 4: Report of Verus — Data Link

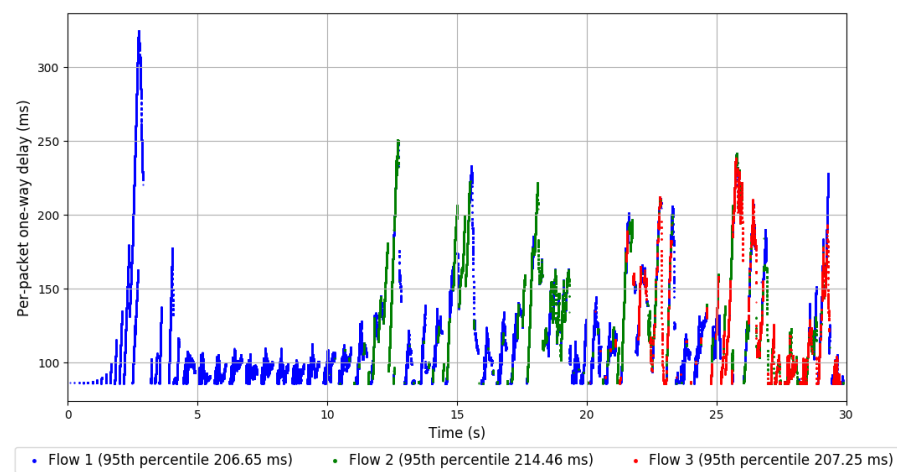
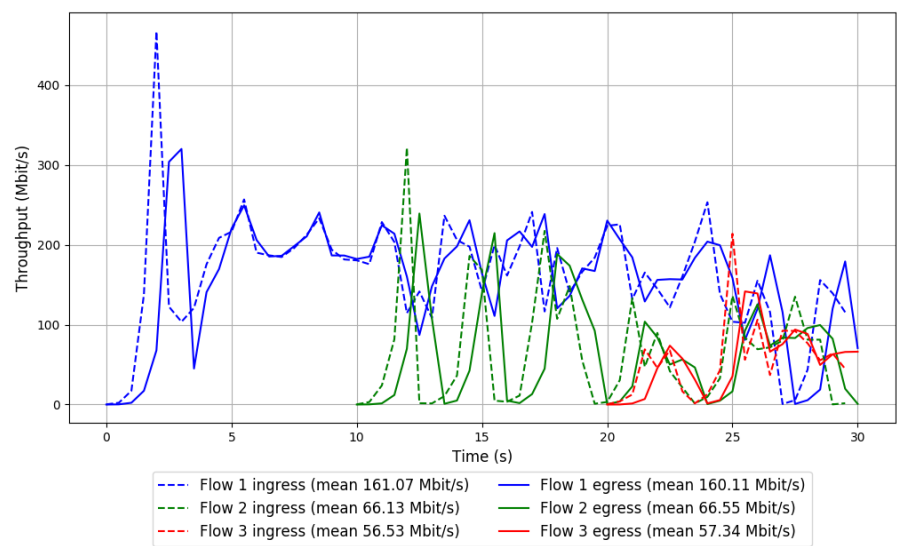


Run 5: Statistics of Verus

Start at: 2018-07-25 03:43:29
End at: 2018-07-25 03:43:59
Local clock offset: -0.027 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-07-25 08:21:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 222.85 Mbit/s
95th percentile per-packet one-way delay: 208.690 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 160.11 Mbit/s
95th percentile per-packet one-way delay: 206.652 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 66.55 Mbit/s
95th percentile per-packet one-way delay: 214.459 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 57.34 Mbit/s
95th percentile per-packet one-way delay: 207.251 ms
Loss rate: 0.36%

Run 5: Report of Verus — Data Link

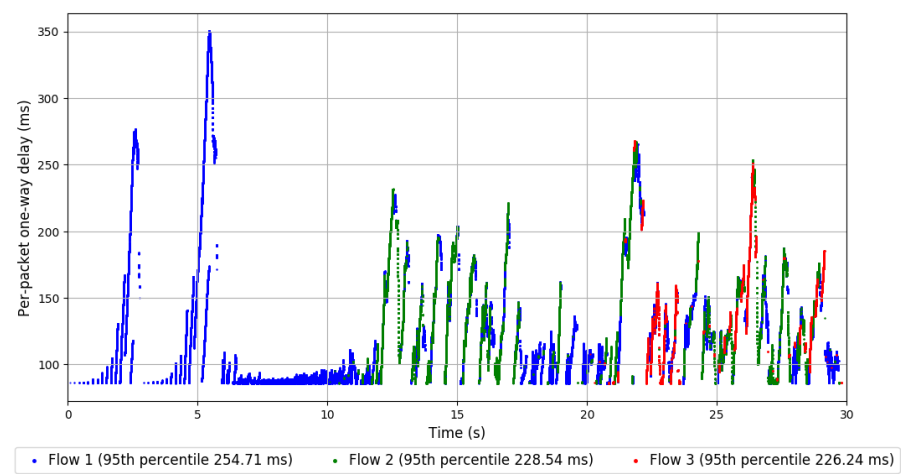
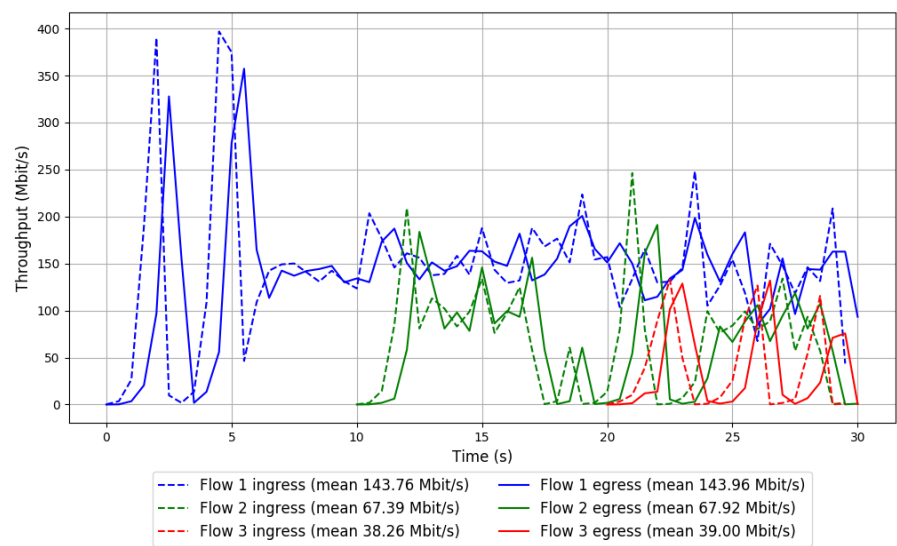


Run 6: Statistics of Verus

Start at: 2018-07-25 04:07:34
End at: 2018-07-25 04:08:04
Local clock offset: -0.011 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-25 08:21:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 201.05 Mbit/s
95th percentile per-packet one-way delay: 243.375 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 143.96 Mbit/s
95th percentile per-packet one-way delay: 254.710 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 67.92 Mbit/s
95th percentile per-packet one-way delay: 228.538 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 39.00 Mbit/s
95th percentile per-packet one-way delay: 226.244 ms
Loss rate: 0.07%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-07-25 04:31:55

End at: 2018-07-25 04:32:25

Local clock offset: -0.158 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2018-07-25 08:22:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 223.91 Mbit/s

95th percentile per-packet one-way delay: 225.699 ms

Loss rate: 2.61%

-- Flow 1:

Average throughput: 127.79 Mbit/s

95th percentile per-packet one-way delay: 200.925 ms

Loss rate: 1.34%

-- Flow 2:

Average throughput: 113.97 Mbit/s

95th percentile per-packet one-way delay: 243.726 ms

Loss rate: 3.54%

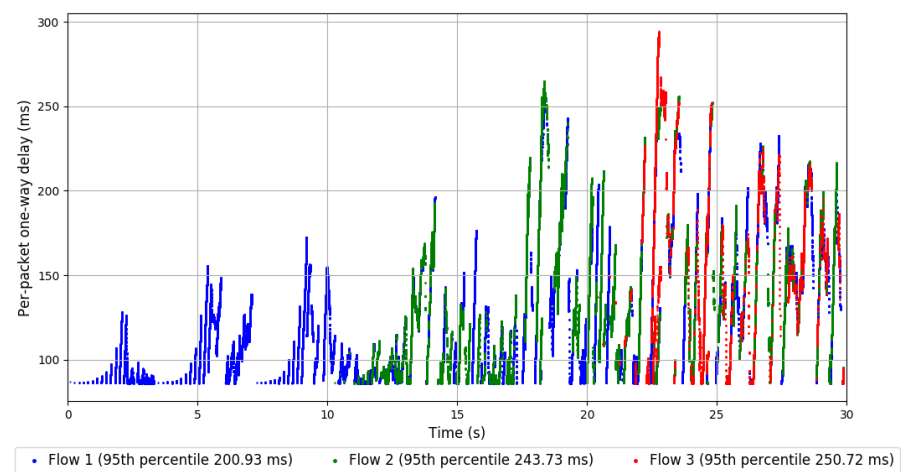
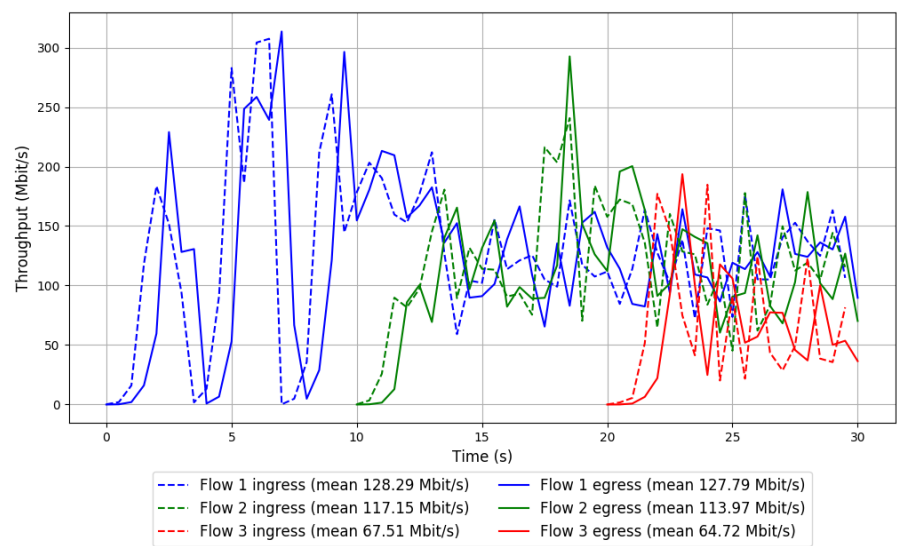
-- Flow 3:

Average throughput: 64.72 Mbit/s

95th percentile per-packet one-way delay: 250.716 ms

Loss rate: 6.66%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-25 04:56:39

End at: 2018-07-25 04:57:09

Local clock offset: -0.301 ms

Remote clock offset: 0.052 ms

Below is generated by plot.py at 2018-07-25 08:23:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 247.83 Mbit/s

95th percentile per-packet one-way delay: 208.203 ms

Loss rate: 1.31%

-- Flow 1:

Average throughput: 156.18 Mbit/s

95th percentile per-packet one-way delay: 195.857 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 96.81 Mbit/s

95th percentile per-packet one-way delay: 207.405 ms

Loss rate: 2.06%

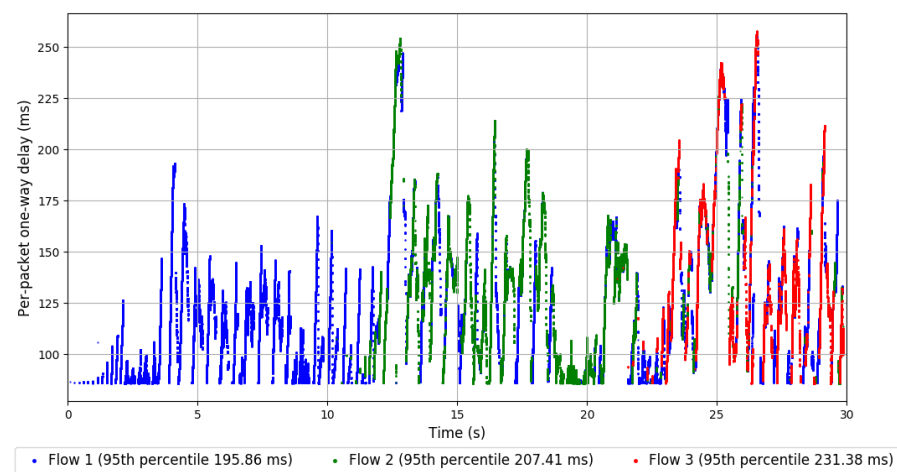
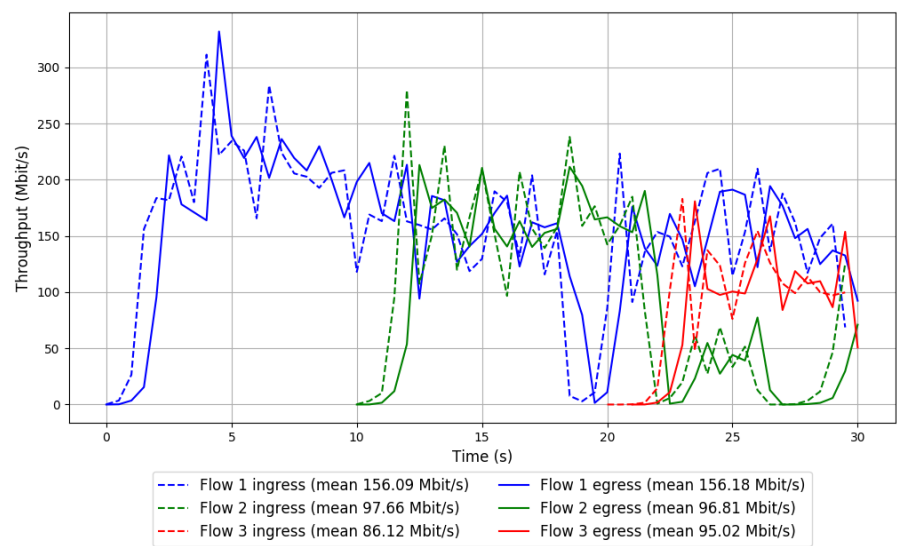
-- Flow 3:

Average throughput: 95.02 Mbit/s

95th percentile per-packet one-way delay: 231.380 ms

Loss rate: 3.26%

Run 8: Report of Verus — Data Link

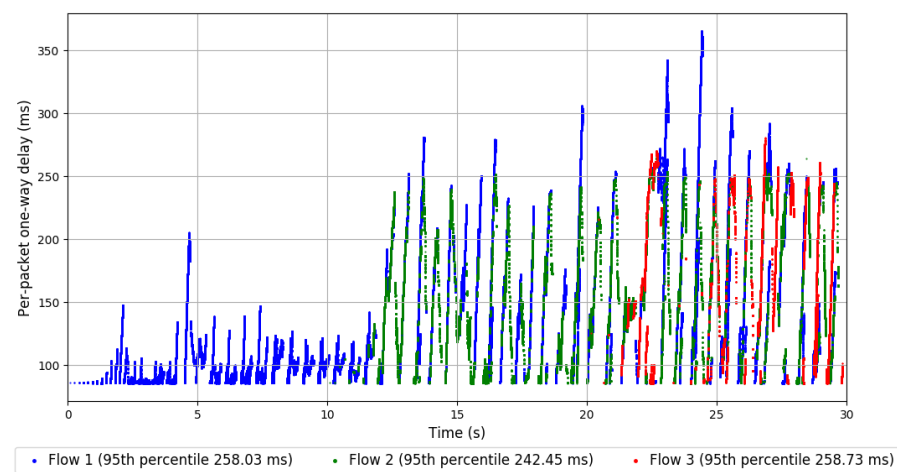
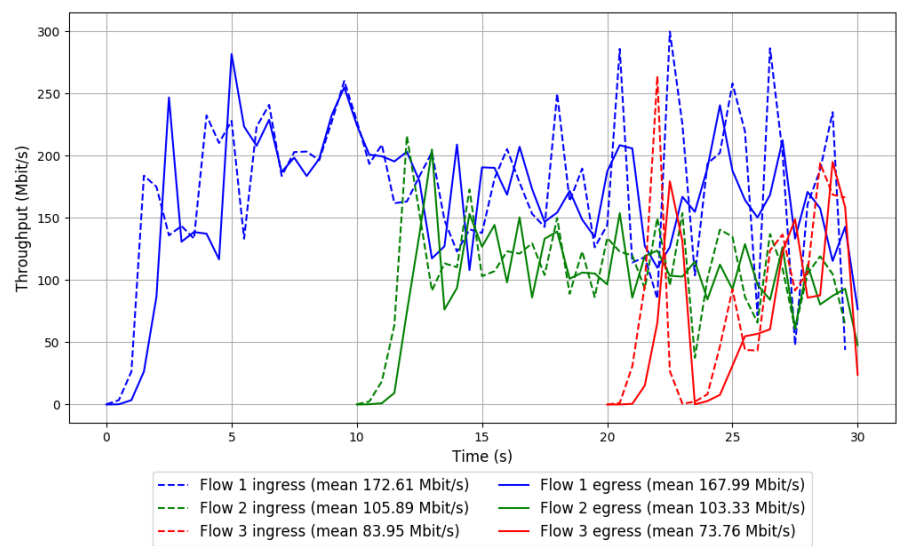


Run 9: Statistics of Verus

Start at: 2018-07-25 05:20:46
End at: 2018-07-25 05:21:16
Local clock offset: -0.078 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-07-25 08:25:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 258.89 Mbit/s
95th percentile per-packet one-way delay: 253.514 ms
Loss rate: 4.72%
-- Flow 1:
Average throughput: 167.99 Mbit/s
95th percentile per-packet one-way delay: 258.032 ms
Loss rate: 3.68%
-- Flow 2:
Average throughput: 103.33 Mbit/s
95th percentile per-packet one-way delay: 242.453 ms
Loss rate: 3.98%
-- Flow 3:
Average throughput: 73.76 Mbit/s
95th percentile per-packet one-way delay: 258.729 ms
Loss rate: 13.08%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-25 05:45:11

End at: 2018-07-25 05:45:41

Local clock offset: -0.085 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-25 08:25:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 195.16 Mbit/s

95th percentile per-packet one-way delay: 250.292 ms

Loss rate: 2.80%

-- Flow 1:

Average throughput: 121.96 Mbit/s

95th percentile per-packet one-way delay: 237.839 ms

Loss rate: 2.12%

-- Flow 2:

Average throughput: 69.67 Mbit/s

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

Loss rate: 2.64%

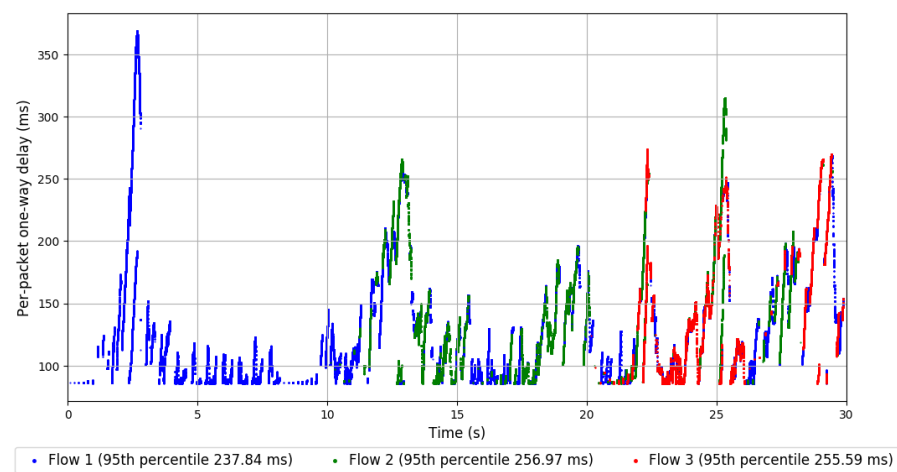
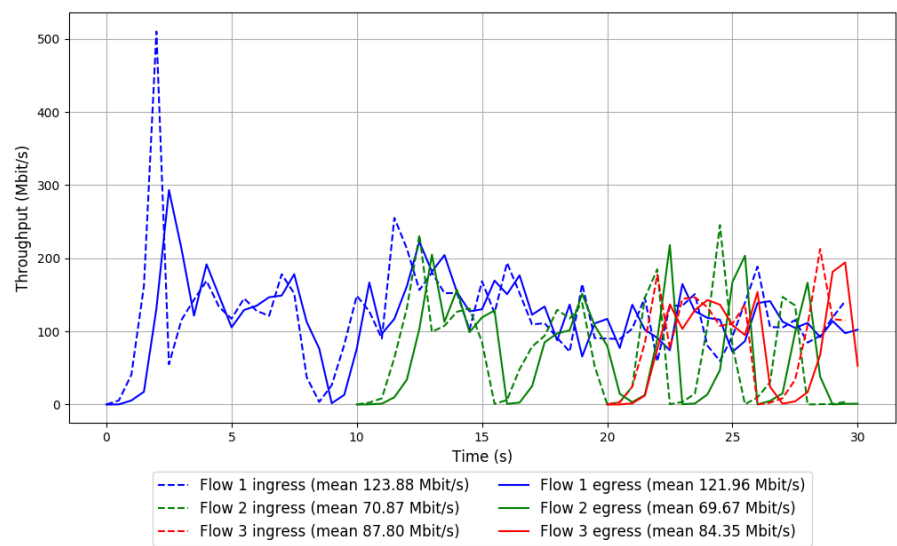
-- Flow 3:

Average throughput: 84.35 Mbit/s

95th percentile per-packet one-way delay: 255.591 ms

Loss rate: 5.92%

Run 10: Report of Verus — Data Link

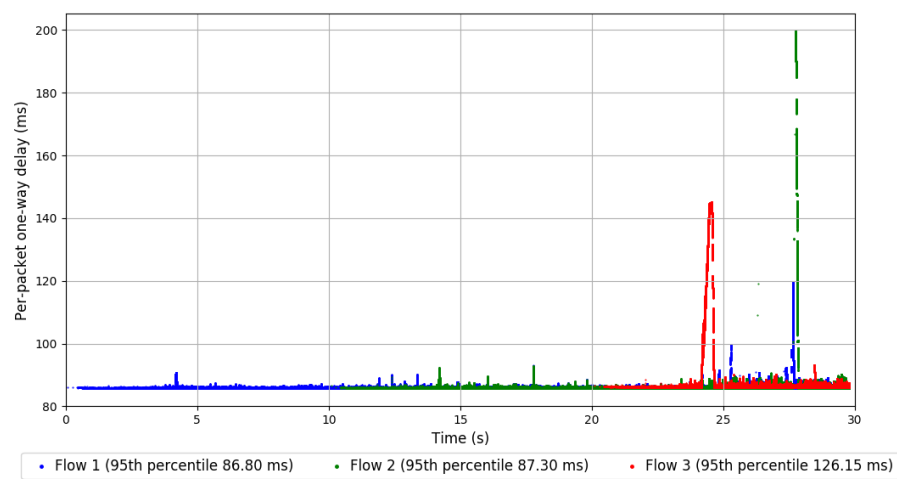
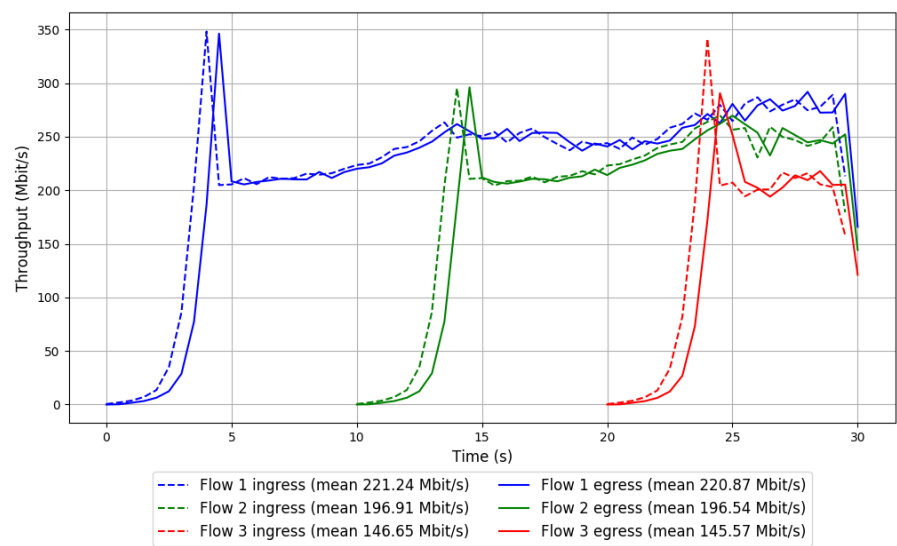


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-25 01:54:41
End at: 2018-07-25 01:55:11
Local clock offset: -0.059 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-25 08:29:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 398.65 Mbit/s
95th percentile per-packet one-way delay: 87.458 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 220.87 Mbit/s
95th percentile per-packet one-way delay: 86.796 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 196.54 Mbit/s
95th percentile per-packet one-way delay: 87.296 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 145.57 Mbit/s
95th percentile per-packet one-way delay: 126.149 ms
Loss rate: 2.48%

Run 1: Report of PCC-Vivace — Data Link

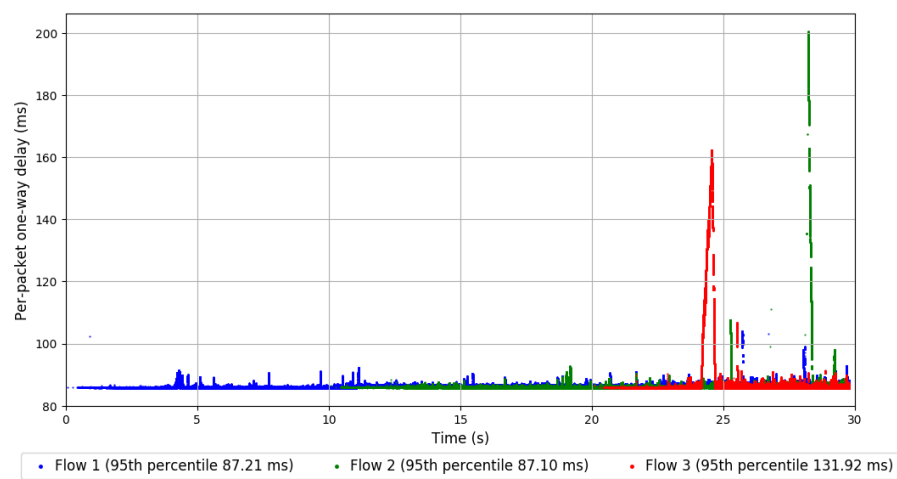
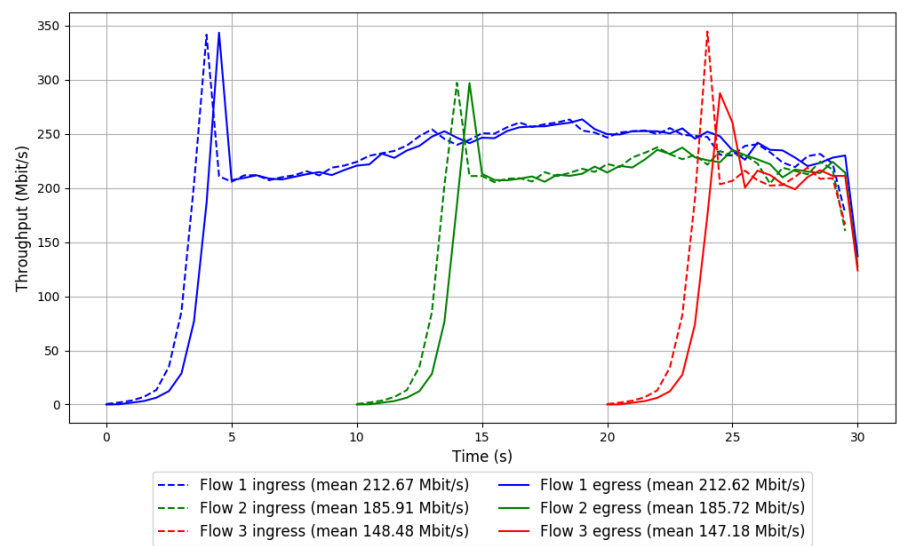


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-25 02:18:57
End at: 2018-07-25 02:19:27
Local clock offset: -0.146 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-07-25 08:30:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 383.75 Mbit/s
95th percentile per-packet one-way delay: 87.746 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 212.62 Mbit/s
95th percentile per-packet one-way delay: 87.213 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 185.72 Mbit/s
95th percentile per-packet one-way delay: 87.102 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 147.18 Mbit/s
95th percentile per-packet one-way delay: 131.918 ms
Loss rate: 2.62%

Run 2: Report of PCC-Vivace — Data Link

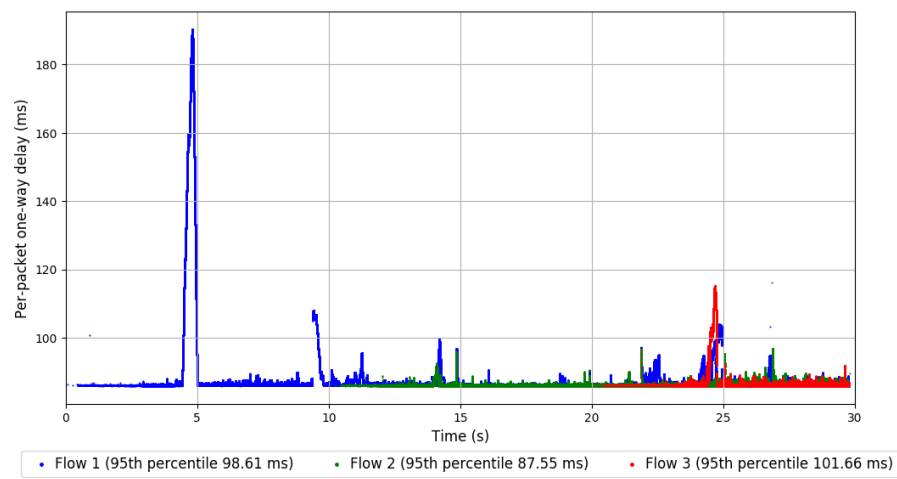
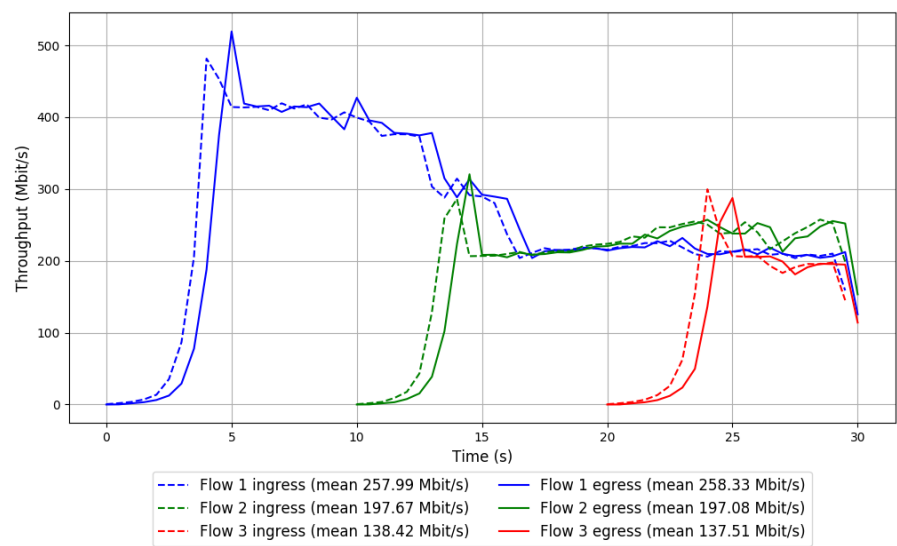


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-25 02:43:14
End at: 2018-07-25 02:43:44
Local clock offset: -0.058 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-07-25 08:31:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 433.78 Mbit/s
95th percentile per-packet one-way delay: 93.073 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 258.33 Mbit/s
95th percentile per-packet one-way delay: 98.612 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 197.08 Mbit/s
95th percentile per-packet one-way delay: 87.550 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 137.51 Mbit/s
95th percentile per-packet one-way delay: 101.663 ms
Loss rate: 2.41%

Run 3: Report of PCC-Vivace — Data Link

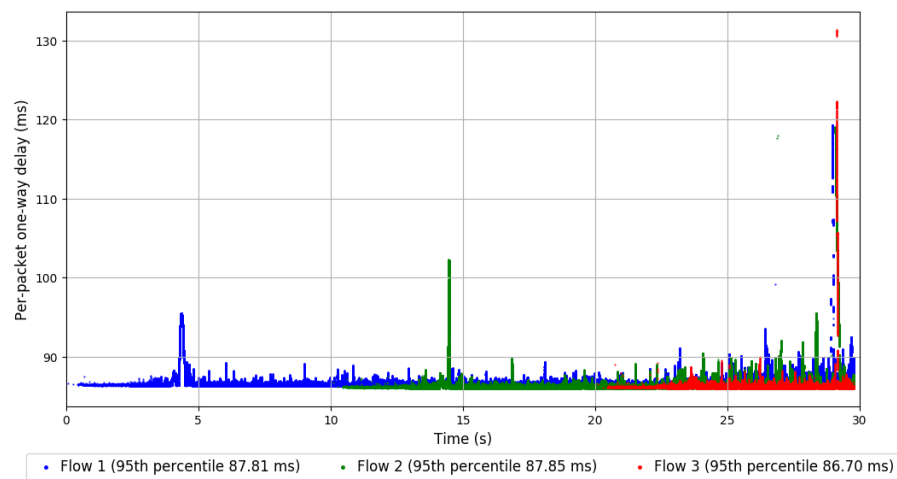
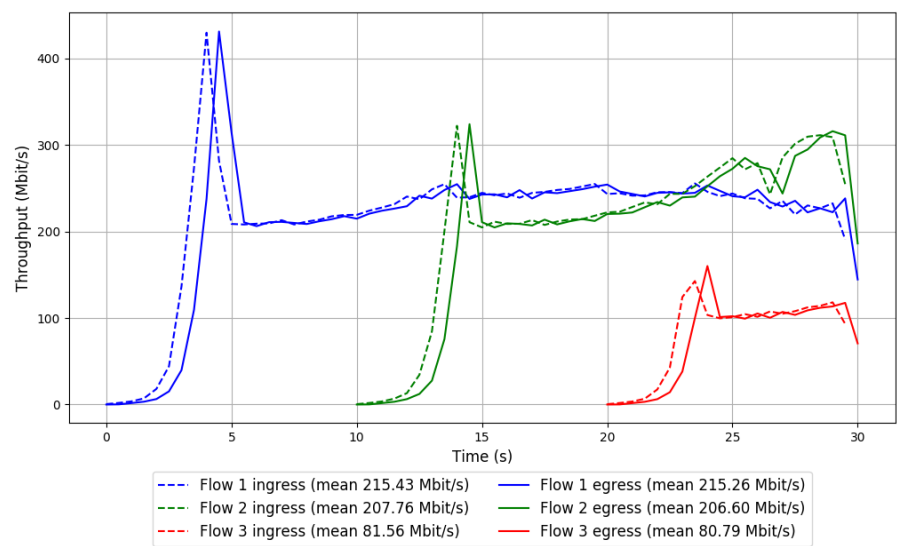


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-25 03:07:50
End at: 2018-07-25 03:08:20
Local clock offset: 0.019 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2018-07-25 08:31:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 378.58 Mbit/s
95th percentile per-packet one-way delay: 87.756 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 215.26 Mbit/s
95th percentile per-packet one-way delay: 87.810 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 206.60 Mbit/s
95th percentile per-packet one-way delay: 87.849 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 80.79 Mbit/s
95th percentile per-packet one-way delay: 86.705 ms
Loss rate: 2.69%

Run 4: Report of PCC-Vivace — Data Link

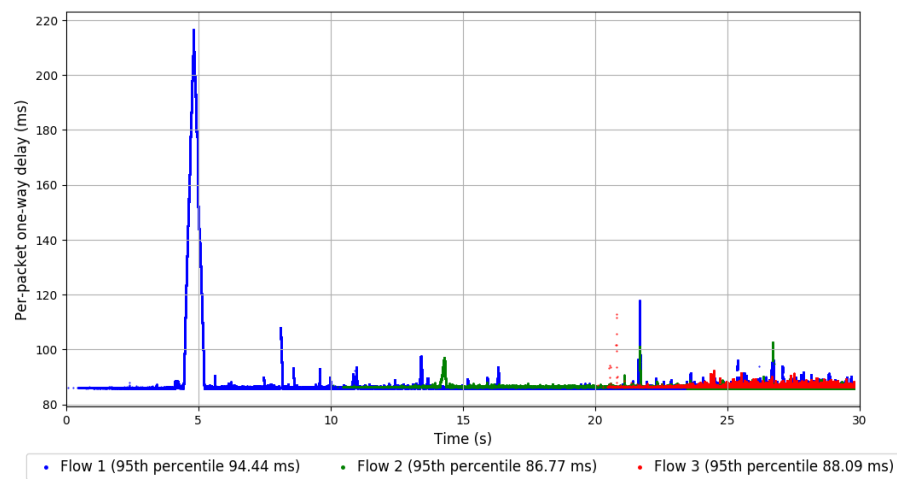
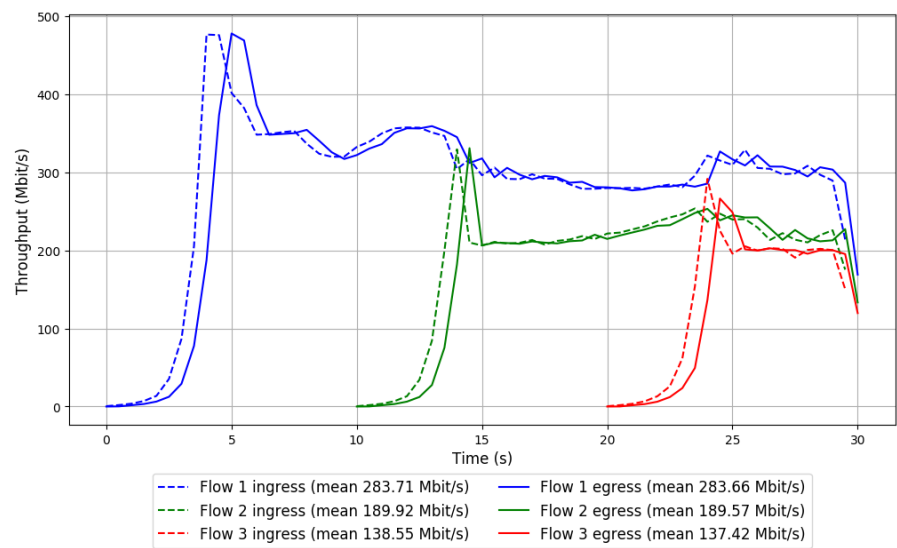


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-25 03:32:15
End at: 2018-07-25 03:32:45
Local clock offset: -0.069 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-07-25 08:32:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 454.16 Mbit/s
95th percentile per-packet one-way delay: 89.641 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 283.66 Mbit/s
95th percentile per-packet one-way delay: 94.443 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 189.57 Mbit/s
95th percentile per-packet one-way delay: 86.768 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 137.42 Mbit/s
95th percentile per-packet one-way delay: 88.089 ms
Loss rate: 2.57%

Run 5: Report of PCC-Vivace — Data Link

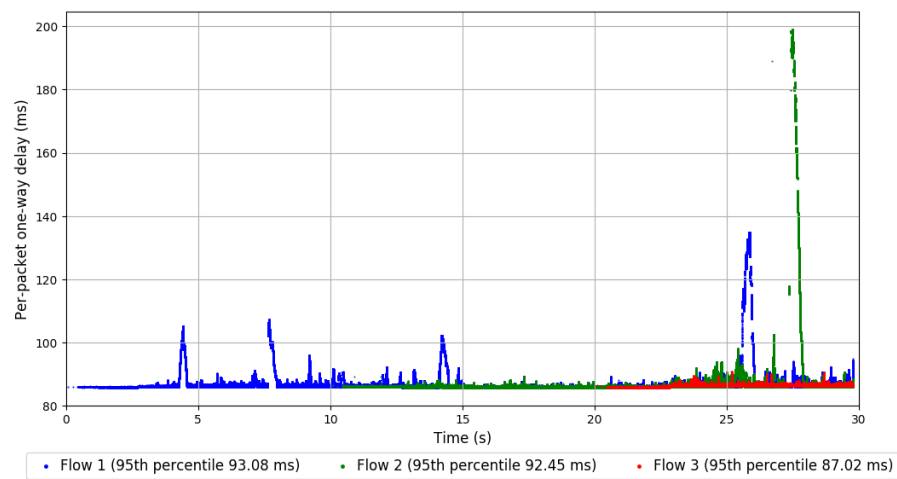
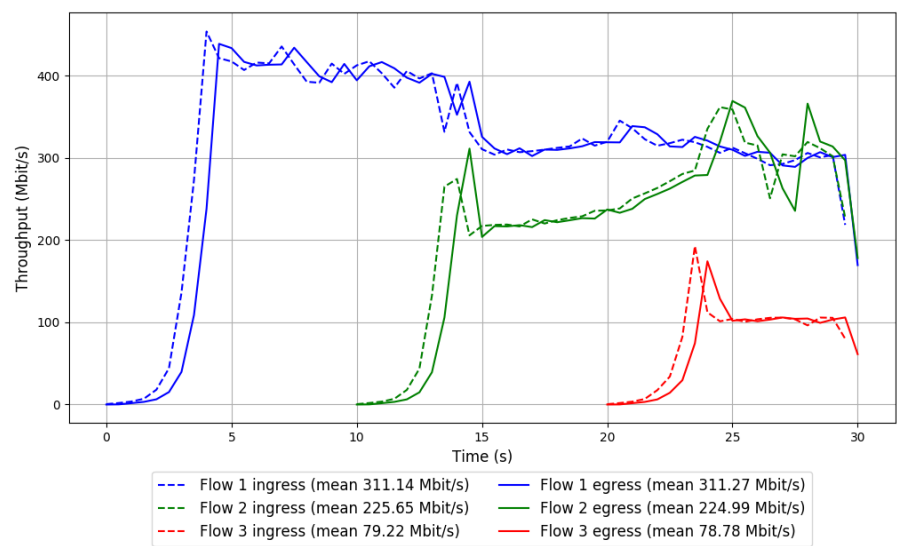


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-25 03:56:16
End at: 2018-07-25 03:56:46
Local clock offset: -0.081 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-25 08:34:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 486.18 Mbit/s
95th percentile per-packet one-way delay: 92.233 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 311.27 Mbit/s
95th percentile per-packet one-way delay: 93.081 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 224.99 Mbit/s
95th percentile per-packet one-way delay: 92.452 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 78.78 Mbit/s
95th percentile per-packet one-way delay: 87.018 ms
Loss rate: 2.31%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-25 04:20:39

End at: 2018-07-25 04:21:09

Local clock offset: 0.082 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-07-25 08:34:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 461.60 Mbit/s

95th percentile per-packet one-way delay: 95.860 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 290.29 Mbit/s

95th percentile per-packet one-way delay: 140.533 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 186.53 Mbit/s

95th percentile per-packet one-way delay: 91.010 ms

Loss rate: 0.71%

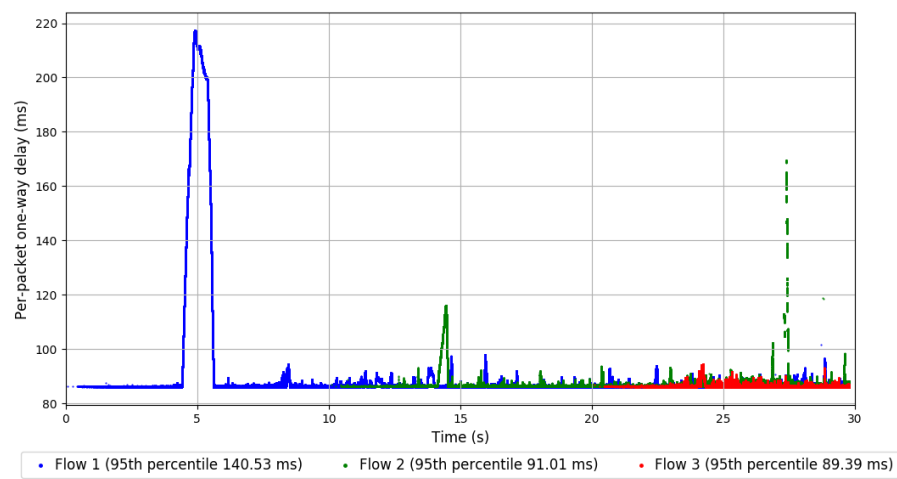
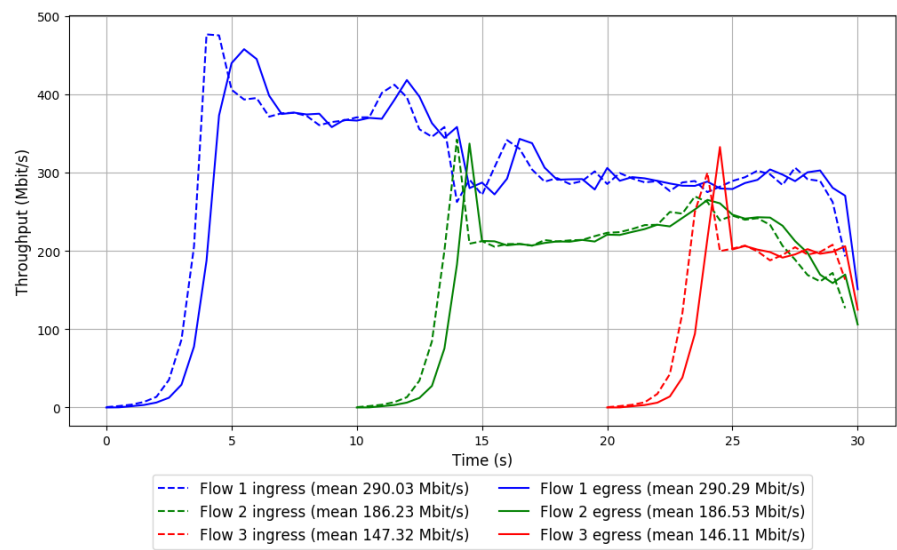
-- Flow 3:

Average throughput: 146.11 Mbit/s

95th percentile per-packet one-way delay: 89.388 ms

Loss rate: 2.57%

Run 7: Report of PCC-Vivace — Data Link

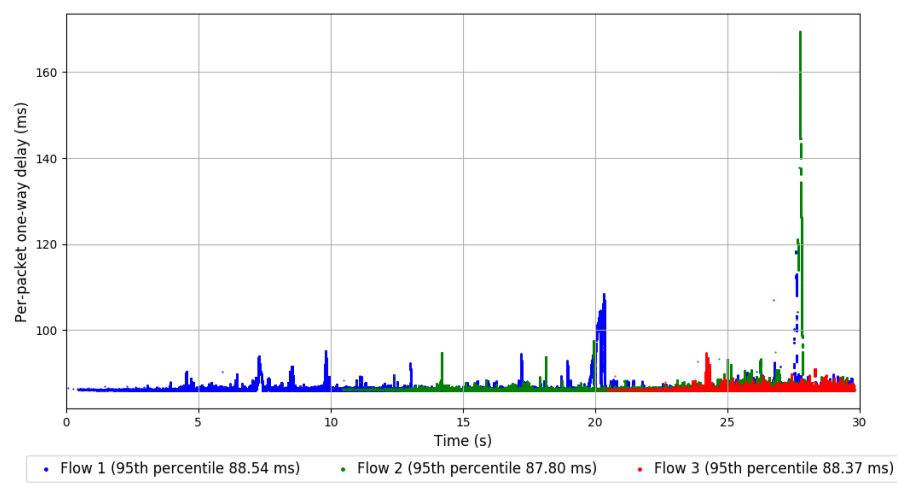
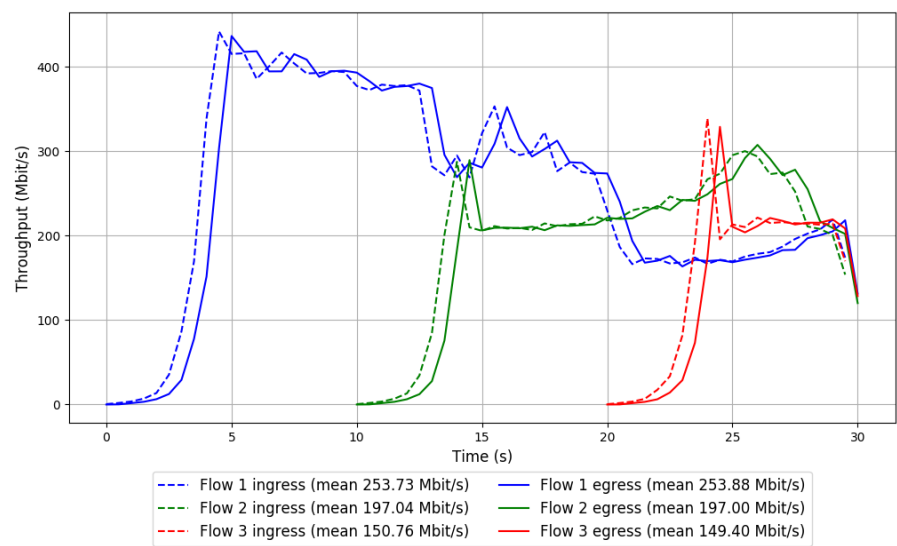


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-25 04:45:24
End at: 2018-07-25 04:45:54
Local clock offset: -0.116 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-25 08:35:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 433.24 Mbit/s
95th percentile per-packet one-way delay: 88.265 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 253.88 Mbit/s
95th percentile per-packet one-way delay: 88.539 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 197.00 Mbit/s
95th percentile per-packet one-way delay: 87.795 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 149.40 Mbit/s
95th percentile per-packet one-way delay: 88.368 ms
Loss rate: 2.65%

Run 8: Report of PCC-Vivace — Data Link

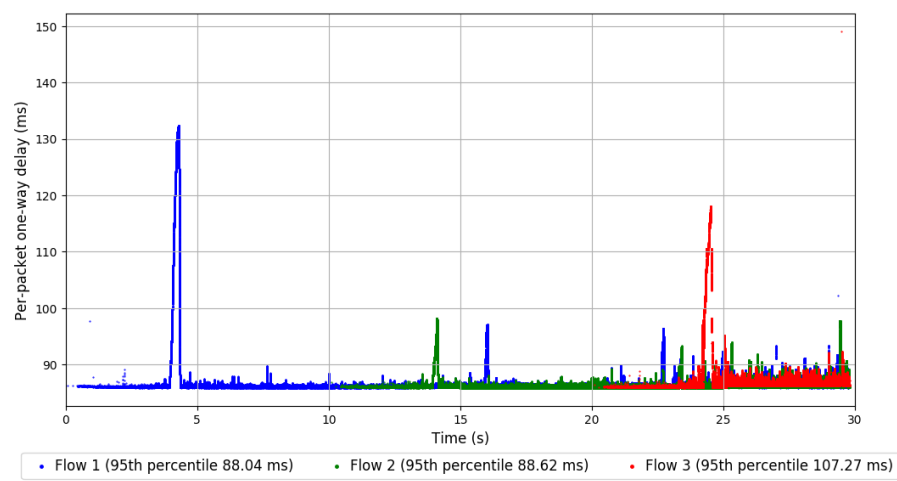
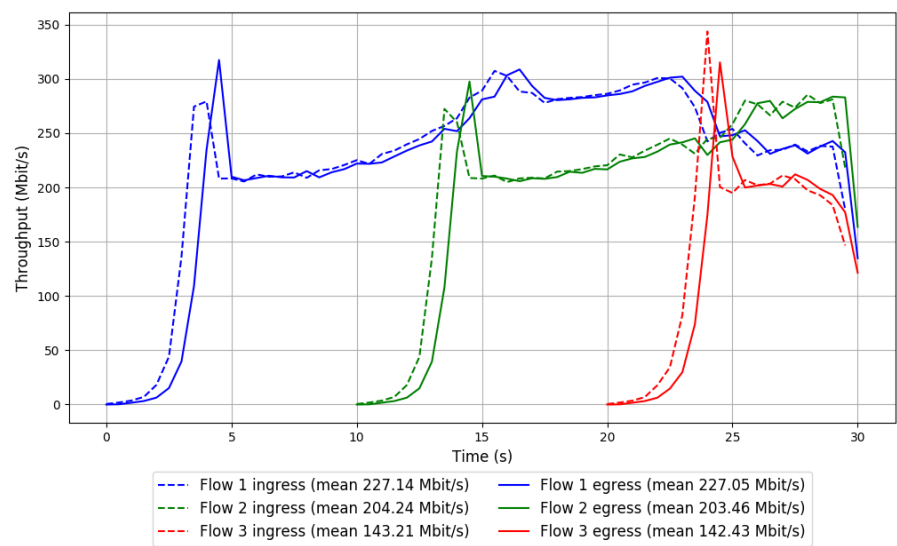


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-25 05:09:33
End at: 2018-07-25 05:10:03
Local clock offset: -0.079 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-07-25 08:35:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 408.43 Mbit/s
95th percentile per-packet one-way delay: 88.951 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 227.05 Mbit/s
95th percentile per-packet one-way delay: 88.036 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 203.46 Mbit/s
95th percentile per-packet one-way delay: 88.625 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 142.43 Mbit/s
95th percentile per-packet one-way delay: 107.274 ms
Loss rate: 2.34%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-25 05:33:57

End at: 2018-07-25 05:34:27

Local clock offset: 0.056 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-25 08:35:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 392.21 Mbit/s

95th percentile per-packet one-way delay: 92.381 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 244.36 Mbit/s

95th percentile per-packet one-way delay: 90.141 ms

Loss rate: 0.66%

-- Flow 2:

Average throughput: 185.70 Mbit/s

95th percentile per-packet one-way delay: 87.860 ms

Loss rate: 0.65%

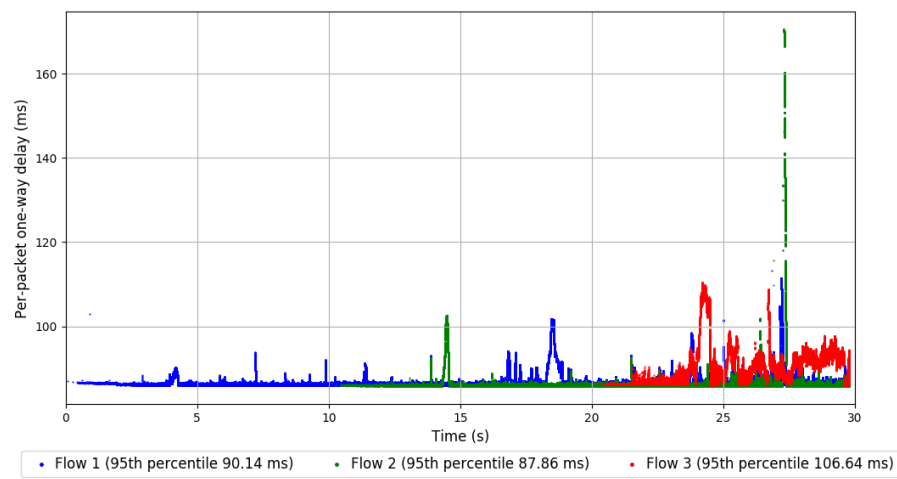
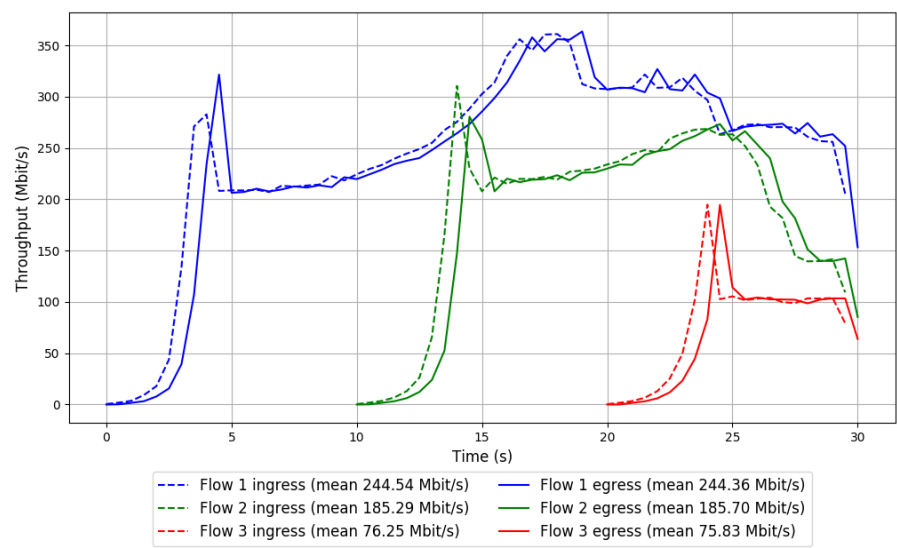
-- Flow 3:

Average throughput: 75.83 Mbit/s

95th percentile per-packet one-way delay: 106.640 ms

Loss rate: 2.31%

Run 10: Report of PCC-Vivace — Data Link

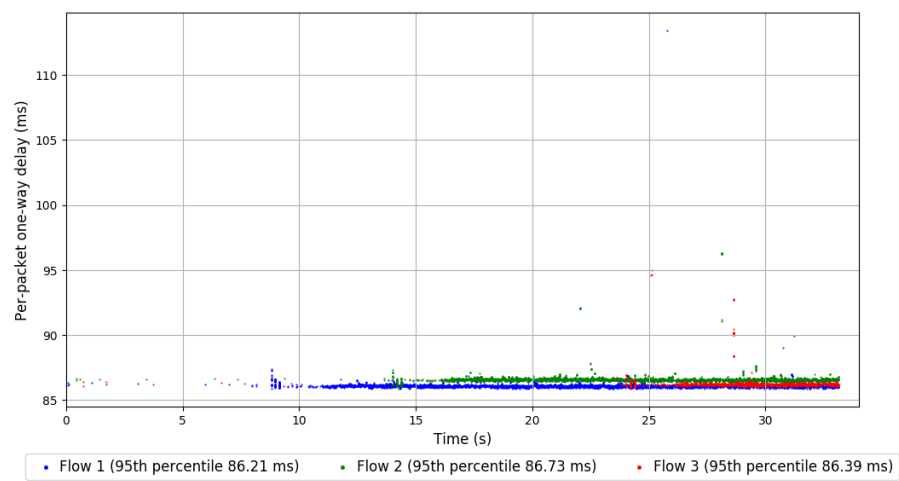
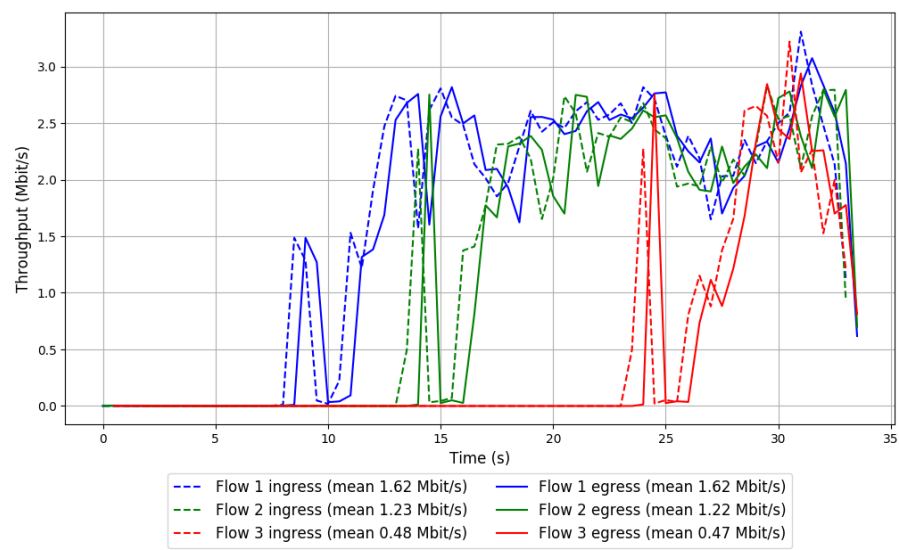


Run 1: Statistics of WebRTC media

Start at: 2018-07-25 01:49:58
End at: 2018-07-25 01:50:28
Local clock offset: 0.092 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-07-25 08:35:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.28 Mbit/s
95th percentile per-packet one-way delay: 86.651 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 86.209 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 86.727 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 86.389 ms
Loss rate: 2.59%

Run 1: Report of WebRTC media — Data Link

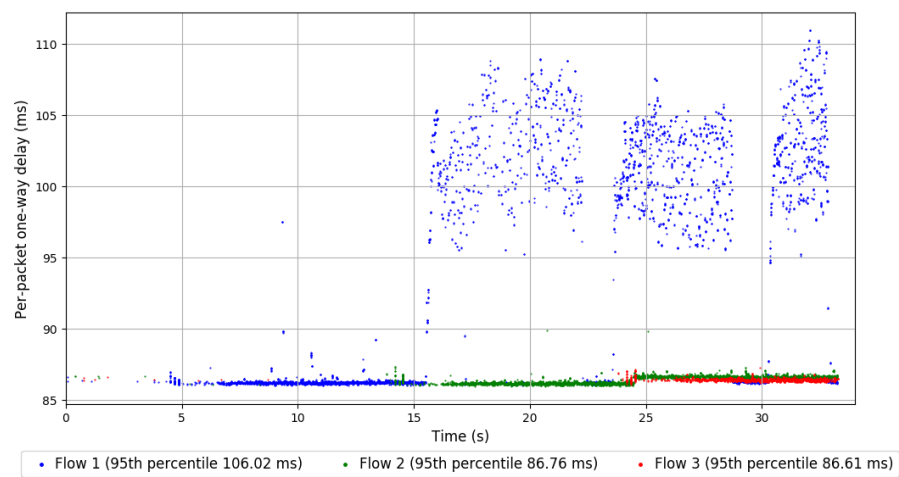
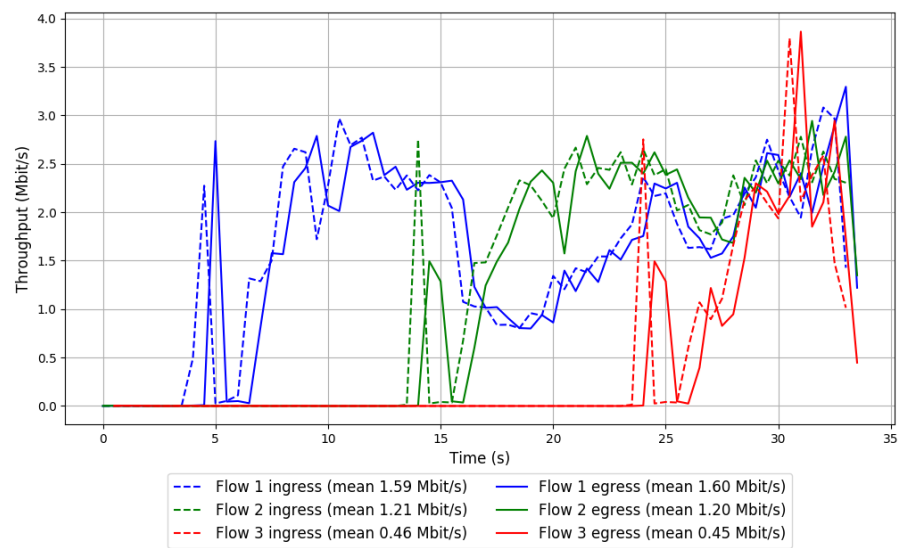


Run 2: Statistics of WebRTC media

Start at: 2018-07-25 02:14:17
End at: 2018-07-25 02:14:47
Local clock offset: 0.156 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-07-25 08:35:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.22 Mbit/s
95th percentile per-packet one-way delay: 104.382 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 106.021 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 1.20 Mbit/s
95th percentile per-packet one-way delay: 86.762 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 86.612 ms
Loss rate: 2.06%

Run 2: Report of WebRTC media — Data Link

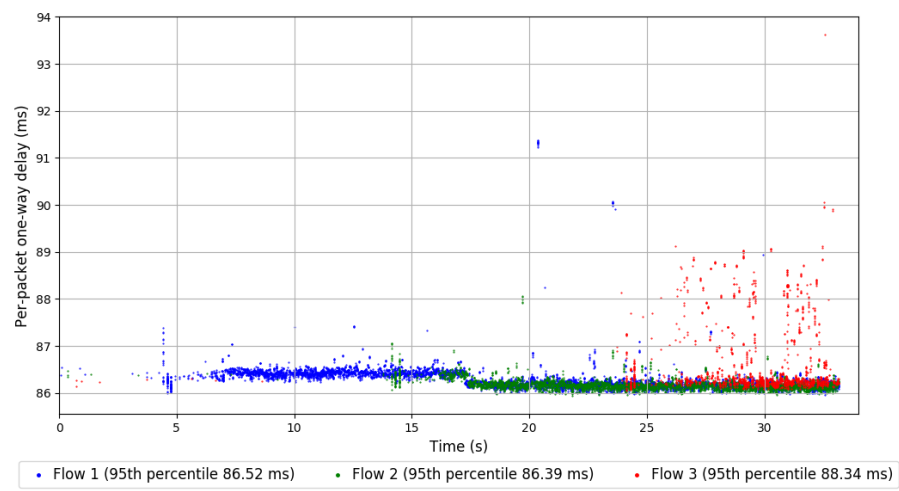
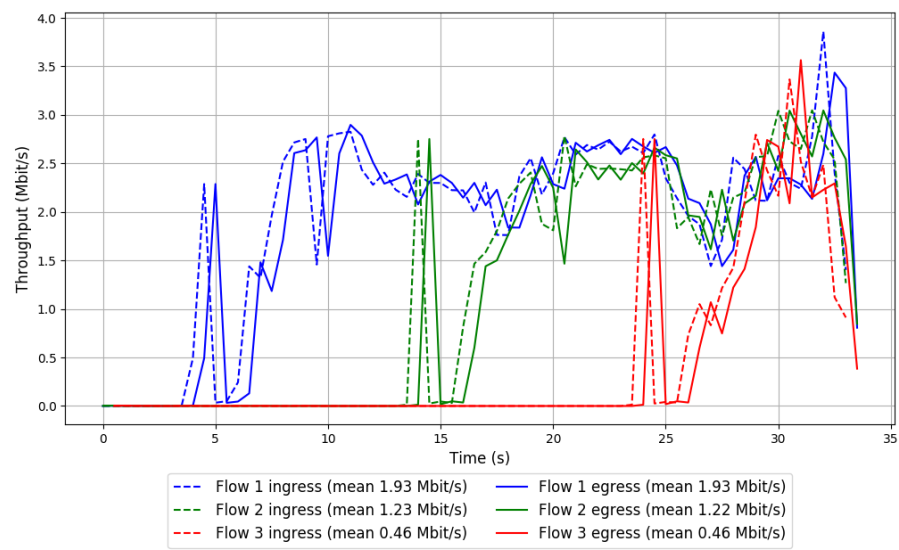


Run 3: Statistics of WebRTC media

Start at: 2018-07-25 02:38:44
End at: 2018-07-25 02:39:14
Local clock offset: 0.057 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-07-25 08:35:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.58 Mbit/s
95th percentile per-packet one-way delay: 86.570 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 86.519 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 86.392 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 88.341 ms
Loss rate: 2.12%

Run 3: Report of WebRTC media — Data Link

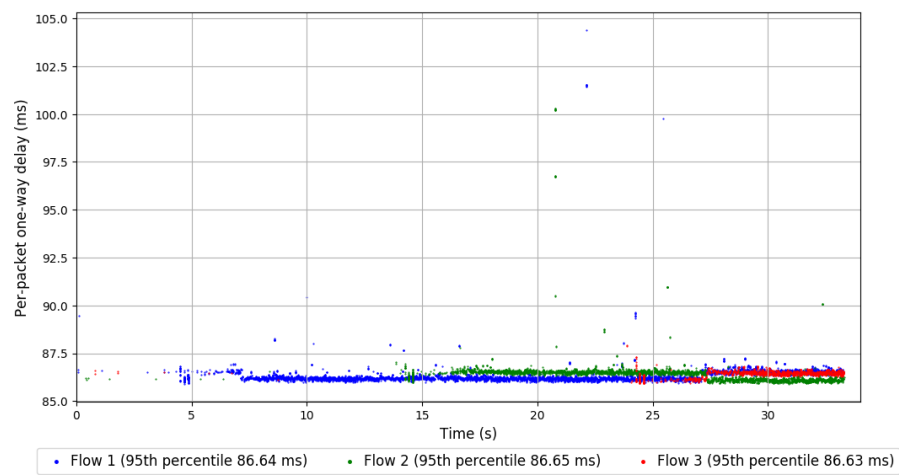
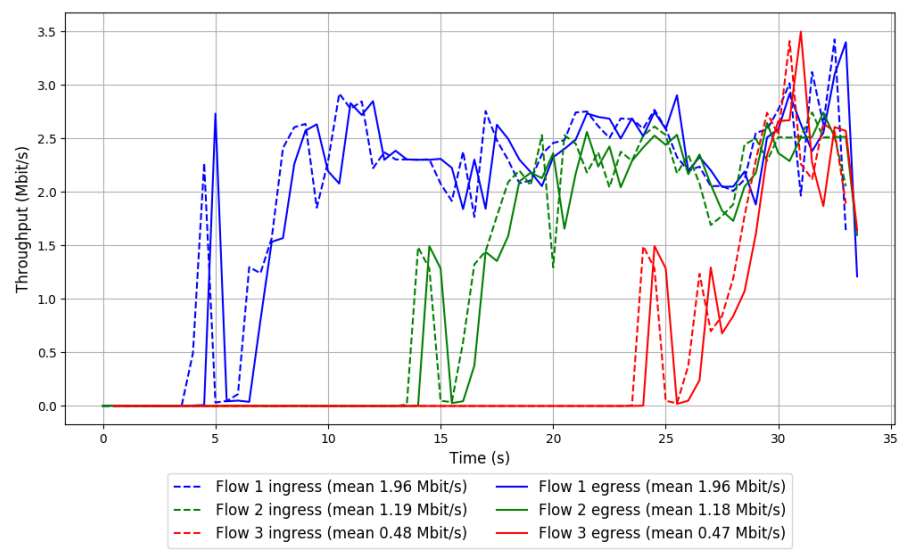


Run 4: Statistics of WebRTC media

Start at: 2018-07-25 03:03:05
End at: 2018-07-25 03:03:35
Local clock offset: -0.063 ms
Remote clock offset: -0.199 ms

Below is generated by plot.py at 2018-07-25 08:35:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.59 Mbit/s
95th percentile per-packet one-way delay: 86.640 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 86.637 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 86.652 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 86.628 ms
Loss rate: 2.28%

Run 4: Report of WebRTC media — Data Link

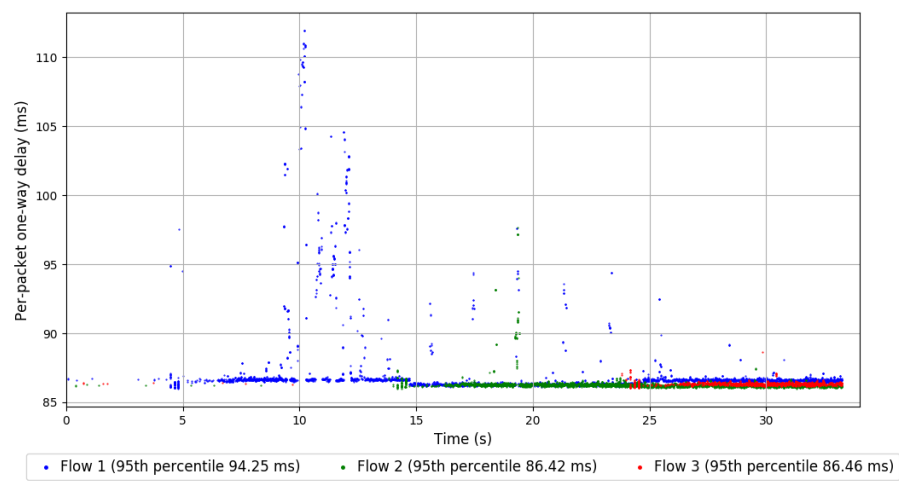
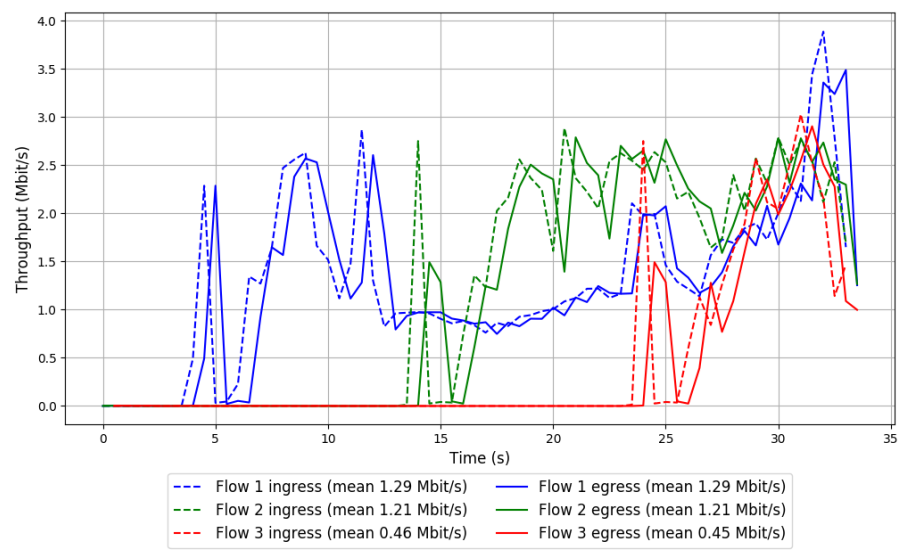


Run 5: Statistics of WebRTC media

Start at: 2018-07-25 03:27:37
End at: 2018-07-25 03:28:07
Local clock offset: 0.021 ms
Remote clock offset: -0.189 ms

Below is generated by plot.py at 2018-07-25 08:35:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.92 Mbit/s
95th percentile per-packet one-way delay: 87.426 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 94.251 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 86.422 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 86.463 ms
Loss rate: 2.59%

Run 5: Report of WebRTC media — Data Link

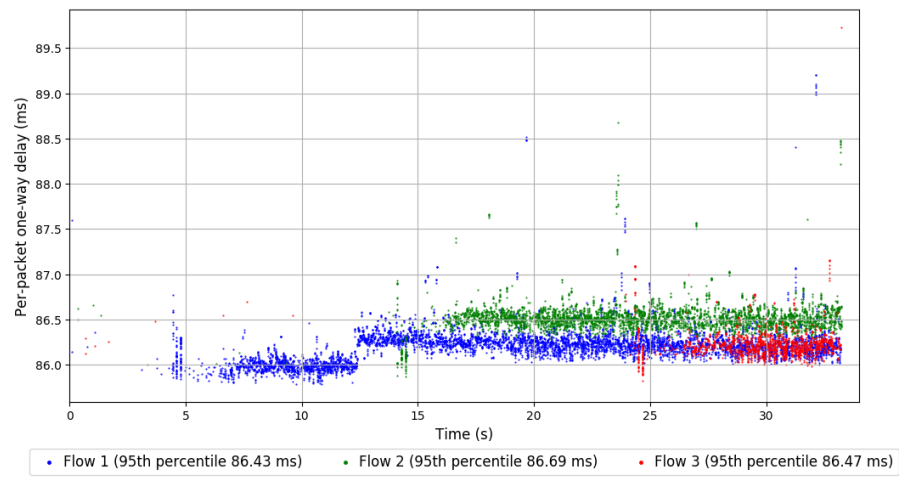
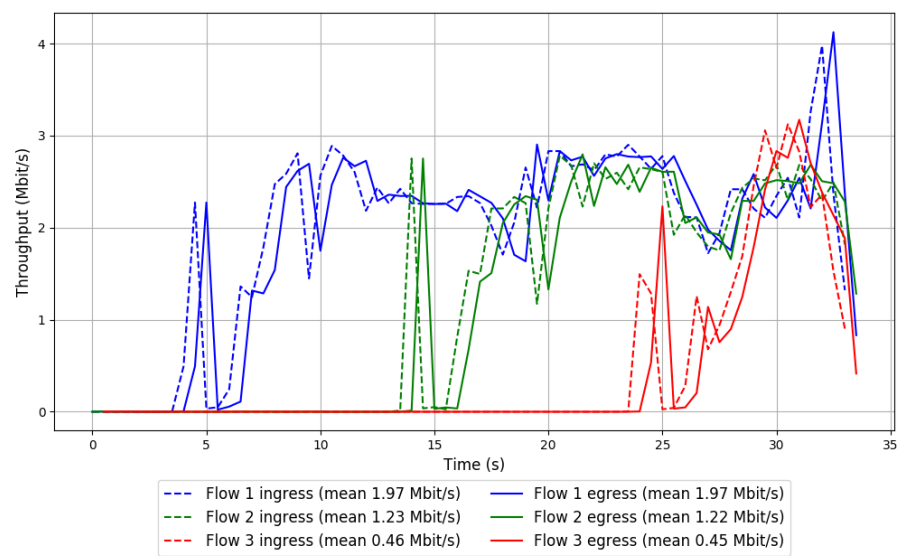


Run 6: Statistics of WebRTC media

Start at: 2018-07-25 03:51:39
End at: 2018-07-25 03:52:09
Local clock offset: -0.143 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-07-25 08:35:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.62 Mbit/s
95th percentile per-packet one-way delay: 86.620 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 86.431 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 86.693 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 86.468 ms
Loss rate: 1.79%

Run 6: Report of WebRTC media — Data Link

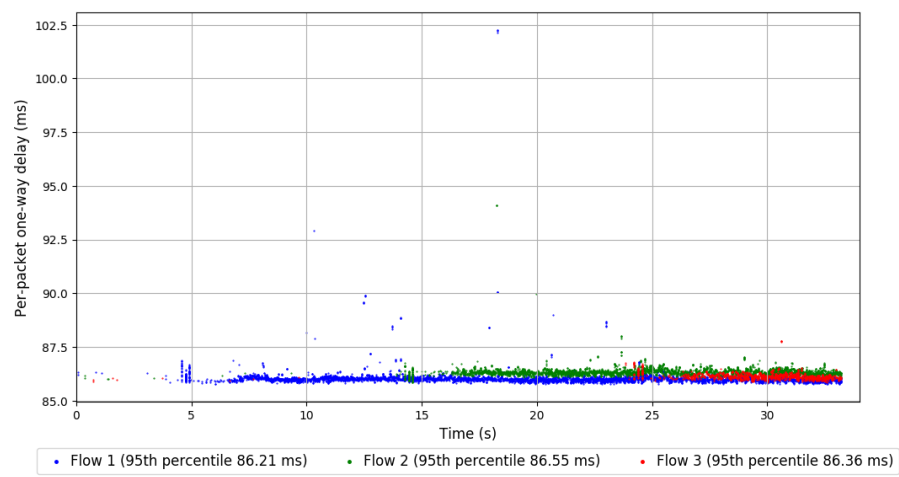
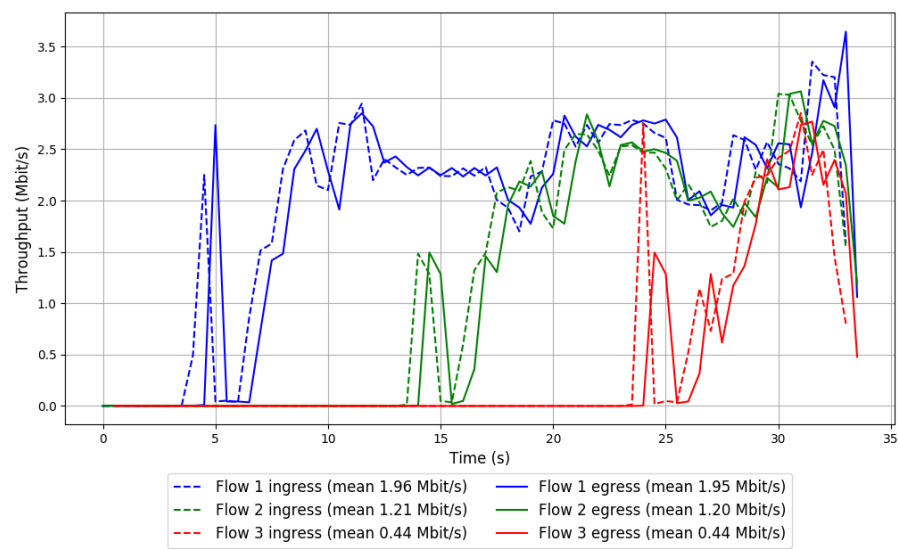


Run 7: Statistics of WebRTC media

Start at: 2018-07-25 04:16:08
End at: 2018-07-25 04:16:38
Local clock offset: -0.301 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-25 08:35:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.57 Mbit/s
95th percentile per-packet one-way delay: 86.470 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 86.213 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 1.20 Mbit/s
95th percentile per-packet one-way delay: 86.553 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.363 ms
Loss rate: 1.26%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-25 04:40:41

End at: 2018-07-25 04:41:11

Local clock offset: -0.276 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-25 08:35:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.53 Mbit/s

95th percentile per-packet one-way delay: 86.537 ms

Loss rate: 1.11%

-- Flow 1:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 86.274 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 1.23 Mbit/s

95th percentile per-packet one-way delay: 86.315 ms

Loss rate: 1.11%

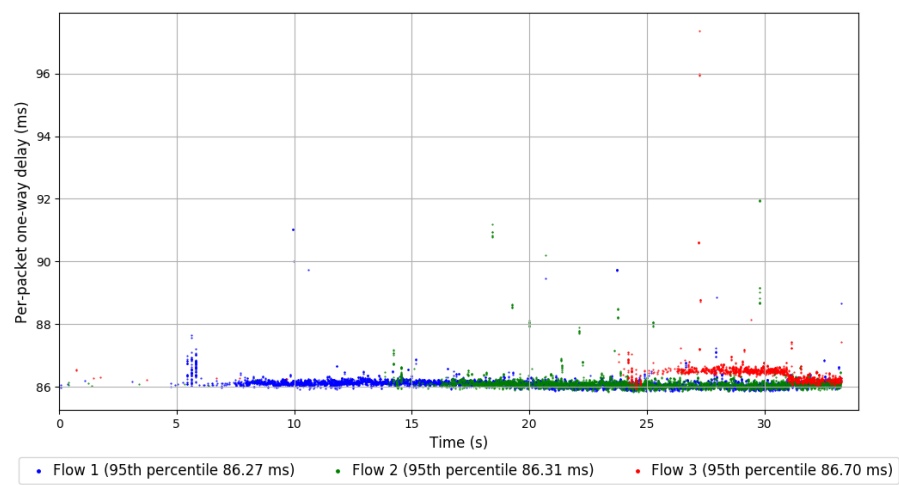
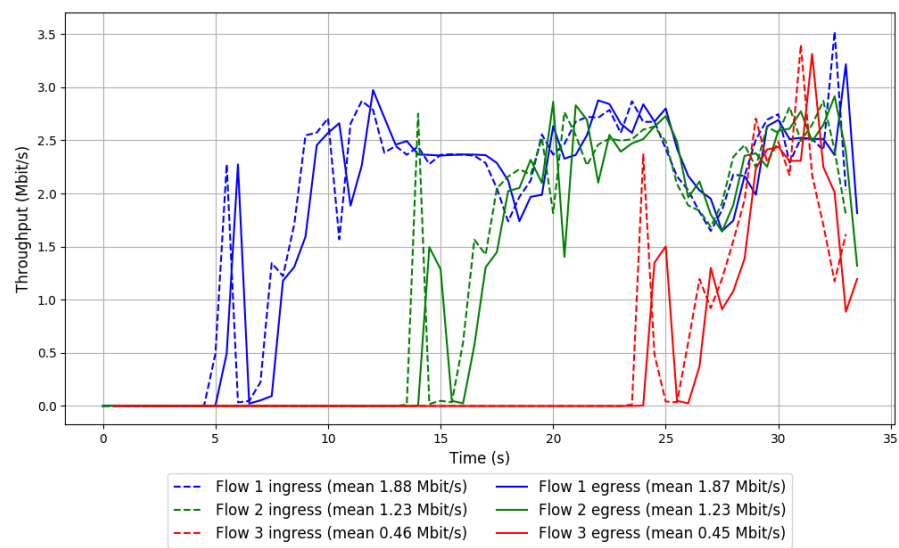
-- Flow 3:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 86.703 ms

Loss rate: 2.43%

Run 8: Report of WebRTC media — Data Link

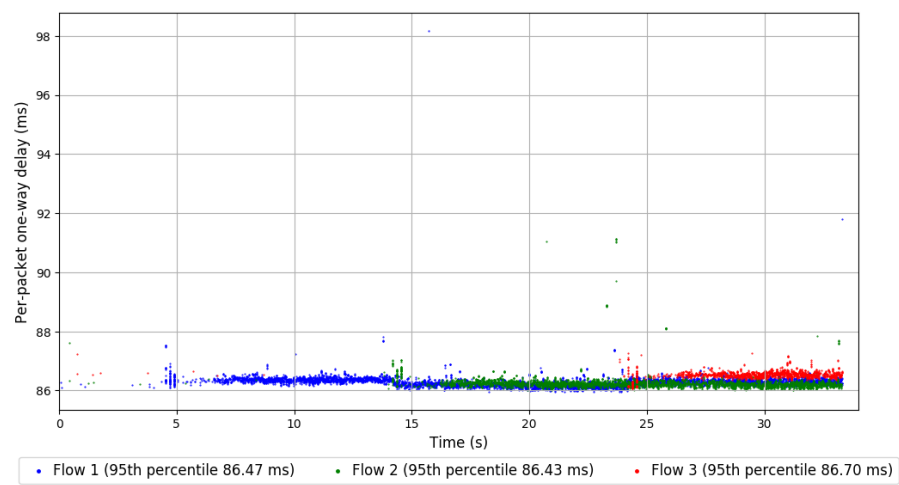
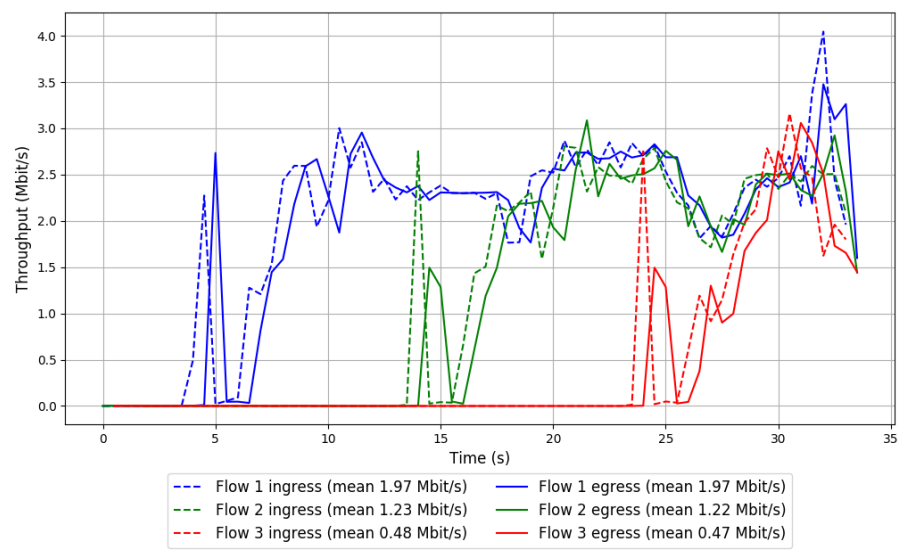


Run 9: Statistics of WebRTC media

Start at: 2018-07-25 05:04:48
End at: 2018-07-25 05:05:18
Local clock offset: -0.002 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-25 08:35:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.63 Mbit/s
95th percentile per-packet one-way delay: 86.586 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 86.473 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 86.429 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 86.699 ms
Loss rate: 2.78%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-25 05:29:11
End at: 2018-07-25 05:29:41
Local clock offset: -0.252 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-07-25 08:35:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.61 Mbit/s
95th percentile per-packet one-way delay: 86.649 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 86.684 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 86.233 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 86.650 ms
Loss rate: 1.56%

Run 10: Report of WebRTC media — Data Link

