

Pantheon Report

Generated at 2018-07-11 00:23:29 (UTC).

Data path: China Ethernet (*remote*) → AWS Korea 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.

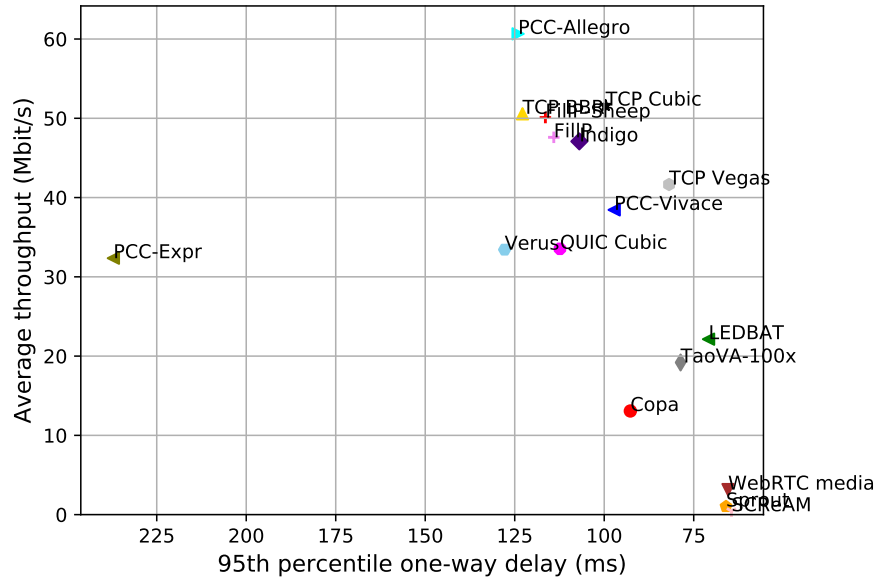
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `ntp.nict.jp` and have been applied to correct the timestamps in logs.

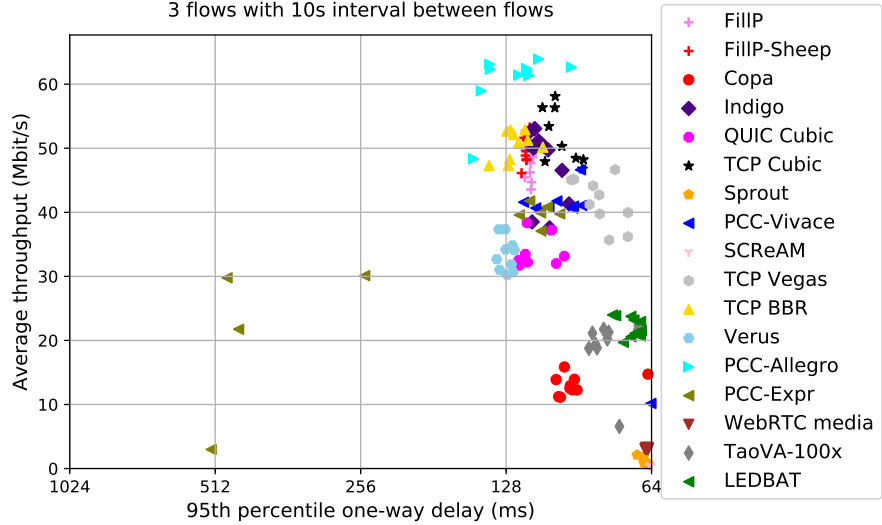
Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from China to AWS Korea, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from China to AWS Korea, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows



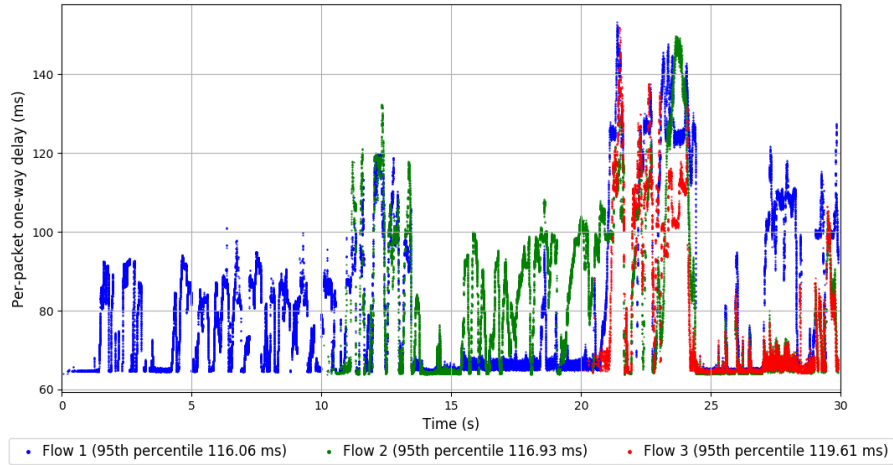
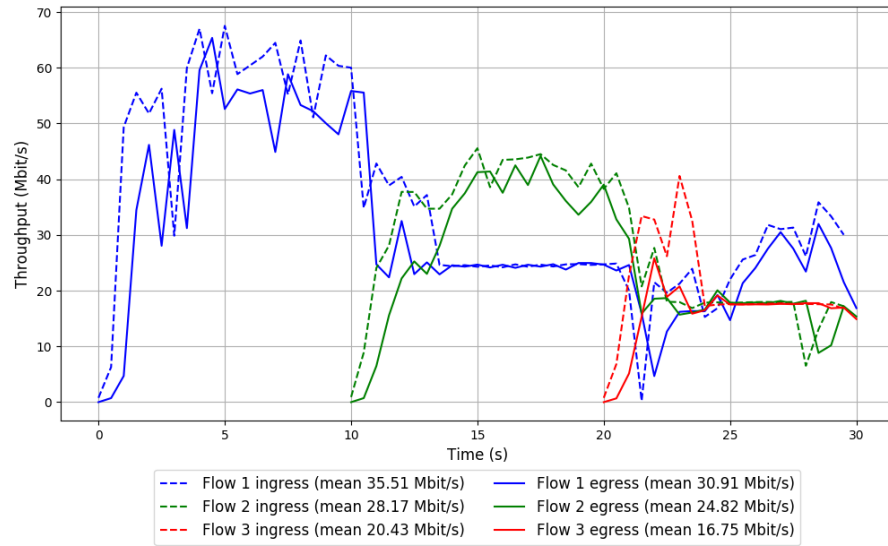
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	30.18	22.44	16.69	118.23	122.59	130.99	13.28	12.74	16.99
Copa	10	6.51	6.72	7.05	91.90	92.79	94.70	22.71	21.28	19.11
TCP Cubic	10	29.62	23.51	19.37	93.01	101.26	109.54	0.85	1.38	2.45
FillP	10	29.78	19.22	15.56	107.16	116.74	129.24	27.00	30.36	33.05
FillP-Sheep	10	30.71	21.28	16.29	114.44	116.43	125.03	32.56	29.38	31.74
Indigo	10	35.66	11.43	11.81	105.76	94.69	107.00	30.37	1.55	4.47
LEDBAT	10	14.35	9.47	4.63	71.58	69.95	70.25	0.73	1.48	3.04
PCC-Allegro	10	41.02	22.62	14.21	109.26	130.51	138.93	33.85	11.41	6.35
PCC-Expr	10	23.76	9.86	6.24	226.37	253.21	258.94	31.76	29.56	36.68
QUIC Cubic	10	17.86	16.23	14.98	108.80	113.37	110.12	8.56	13.27	6.46
SCReAM	10	0.22	0.22	0.22	64.42	64.25	64.34	0.49	0.82	1.31
Sprout	10	0.41	0.71	0.46	65.33	66.23	65.57	0.57	0.39	1.59
TaoVA-100x	10	10.86	9.65	6.19	72.73	78.55	98.92	2.25	2.79	12.04
TCP Vegas	10	23.40	19.81	15.48	79.40	81.84	91.07	0.68	1.10	2.56
Verus	10	19.82	14.80	11.70	118.33	132.86	146.63	33.78	30.97	24.90
PCC-Vivace	10	29.94	9.72	6.56	95.98	87.73	79.54	7.99	4.34	7.33
WebRTC media	10	1.74	1.01	0.42	65.26	65.43	65.85	0.47	0.80	1.81

Run 1: Statistics of TCP BBR

Start at: 2018-07-10 20:17:33
End at: 2018-07-10 20:18:03
Local clock offset: 1.037 ms
Remote clock offset: -1.148 ms

Below is generated by plot.py at 2018-07-11 00:13:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.89 Mbit/s
95th percentile per-packet one-way delay: 116.969 ms
Loss rate: 13.80%
-- Flow 1:
Average throughput: 30.91 Mbit/s
95th percentile per-packet one-way delay: 116.057 ms
Loss rate: 13.40%
-- Flow 2:
Average throughput: 24.82 Mbit/s
95th percentile per-packet one-way delay: 116.934 ms
Loss rate: 12.58%
-- Flow 3:
Average throughput: 16.75 Mbit/s
95th percentile per-packet one-way delay: 119.608 ms
Loss rate: 19.26%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-10 20:41:05

End at: 2018-07-10 20:41:35

Local clock offset: 1.233 ms

Remote clock offset: 0.114 ms

Below is generated by plot.py at 2018-07-11 00:13:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.16 Mbit/s

95th percentile per-packet one-way delay: 107.451 ms

Loss rate: 11.48%

-- Flow 1:

Average throughput: 30.00 Mbit/s

95th percentile per-packet one-way delay: 104.287 ms

Loss rate: 12.95%

-- Flow 2:

Average throughput: 23.81 Mbit/s

95th percentile per-packet one-way delay: 114.784 ms

Loss rate: 6.66%

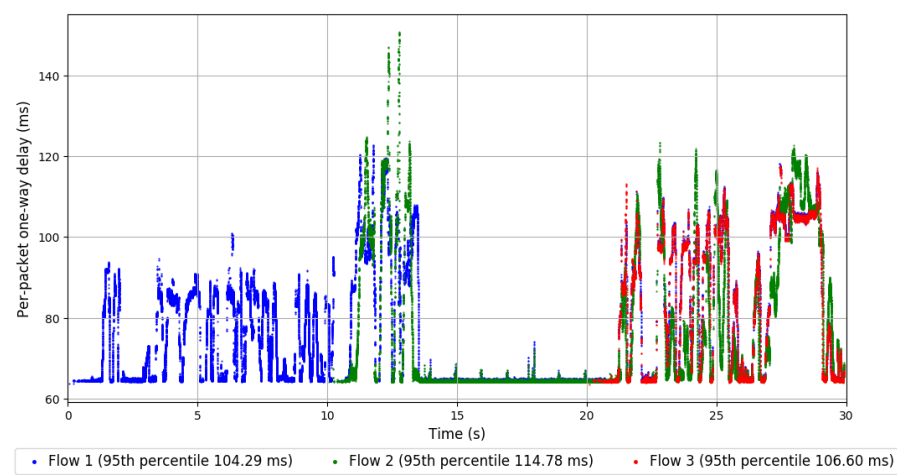
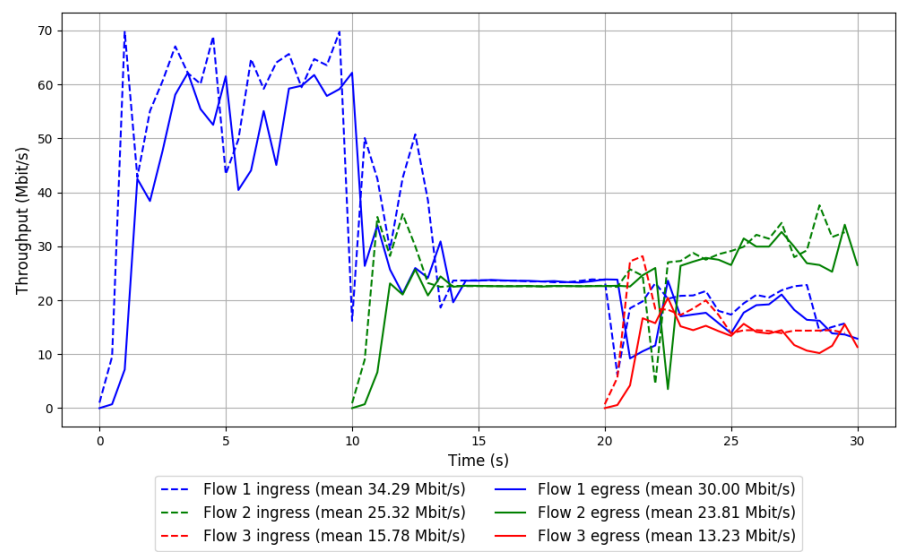
-- Flow 3:

Average throughput: 13.23 Mbit/s

95th percentile per-packet one-way delay: 106.600 ms

Loss rate: 17.41%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-10 21:04:29

End at: 2018-07-10 21:04:59

Local clock offset: 1.214 ms

Remote clock offset: 0.449 ms

Below is generated by plot.py at 2018-07-11 00:13:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.24 Mbit/s

95th percentile per-packet one-way delay: 115.479 ms

Loss rate: 13.85%

-- Flow 1:

Average throughput: 33.31 Mbit/s

95th percentile per-packet one-way delay: 108.215 ms

Loss rate: 14.16%

-- Flow 2:

Average throughput: 19.60 Mbit/s

95th percentile per-packet one-way delay: 124.551 ms

Loss rate: 11.66%

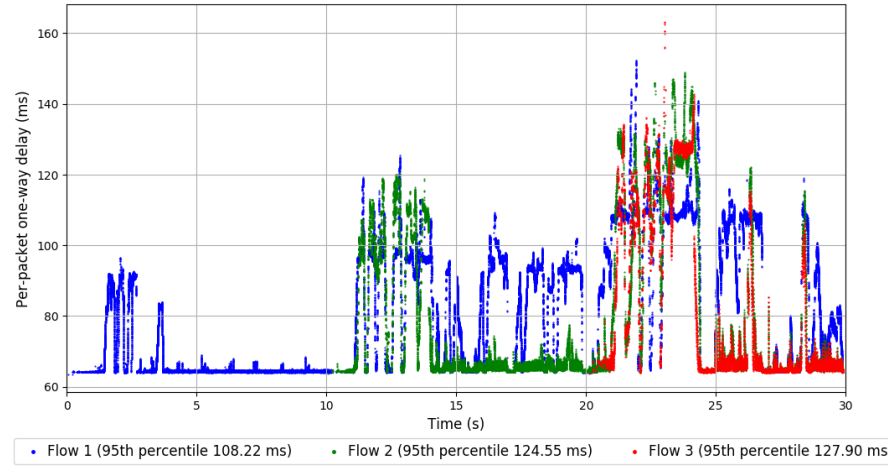
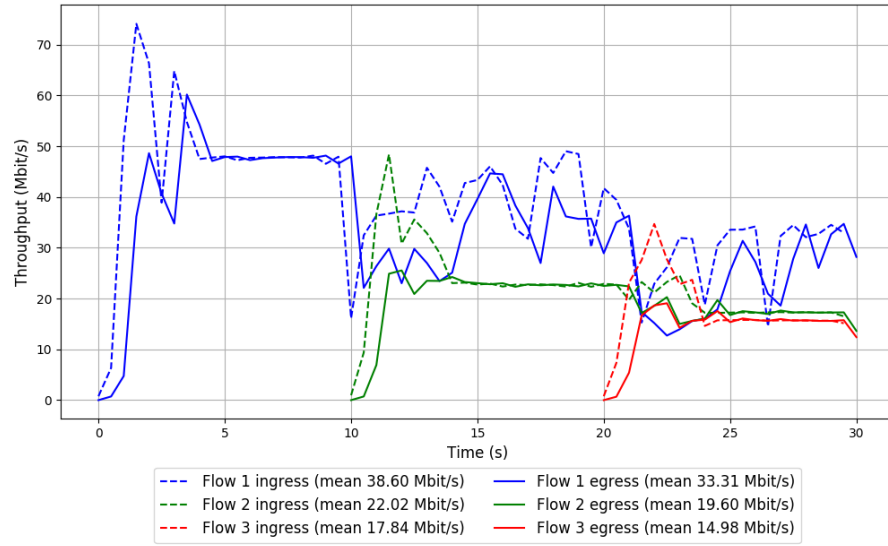
-- Flow 3:

Average throughput: 14.98 Mbit/s

95th percentile per-packet one-way delay: 127.904 ms

Loss rate: 17.29%

Run 3: Report of TCP BBR — Data Link

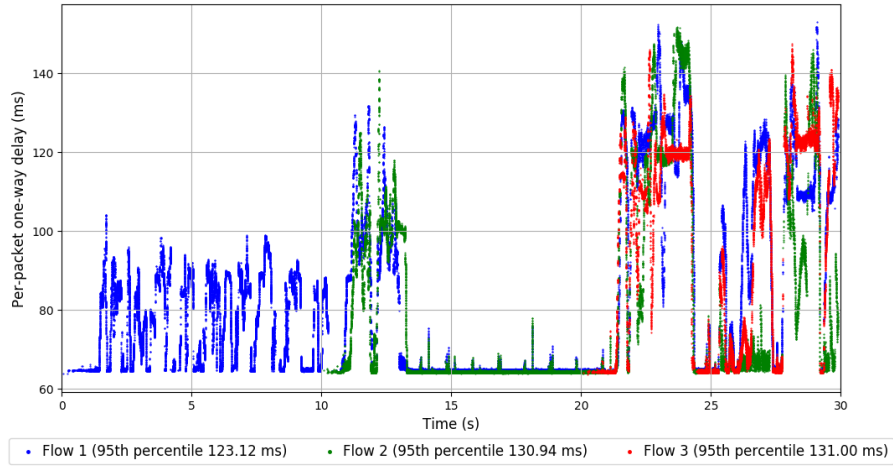
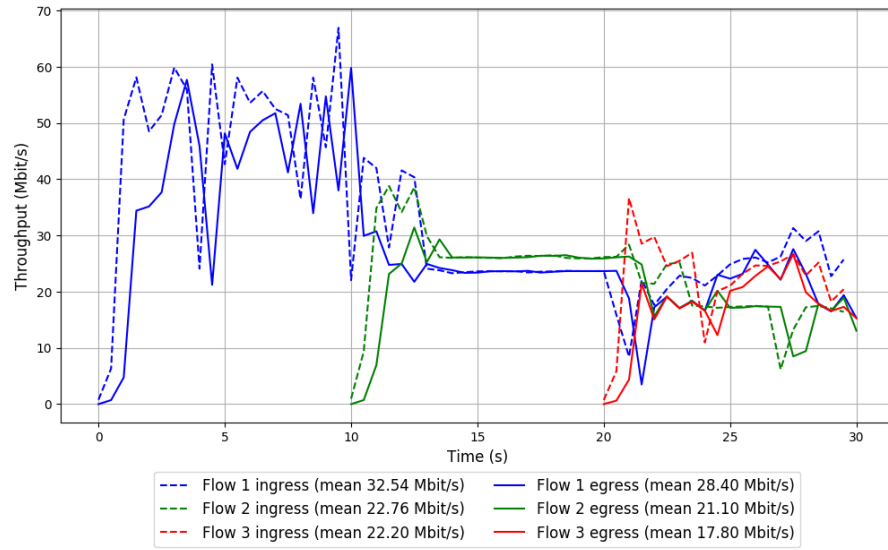


Run 4: Statistics of TCP BBR

Start at: 2018-07-10 21:28:00
End at: 2018-07-10 21:28:30
Local clock offset: 1.21 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-07-11 00:13:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.27 Mbit/s
95th percentile per-packet one-way delay: 125.886 ms
Loss rate: 12.79%
-- Flow 1:
Average throughput: 28.40 Mbit/s
95th percentile per-packet one-way delay: 123.117 ms
Loss rate: 13.16%
-- Flow 2:
Average throughput: 21.10 Mbit/s
95th percentile per-packet one-way delay: 130.942 ms
Loss rate: 8.00%
-- Flow 3:
Average throughput: 17.80 Mbit/s
95th percentile per-packet one-way delay: 131.000 ms
Loss rate: 21.02%

Run 4: Report of TCP BBR — Data Link

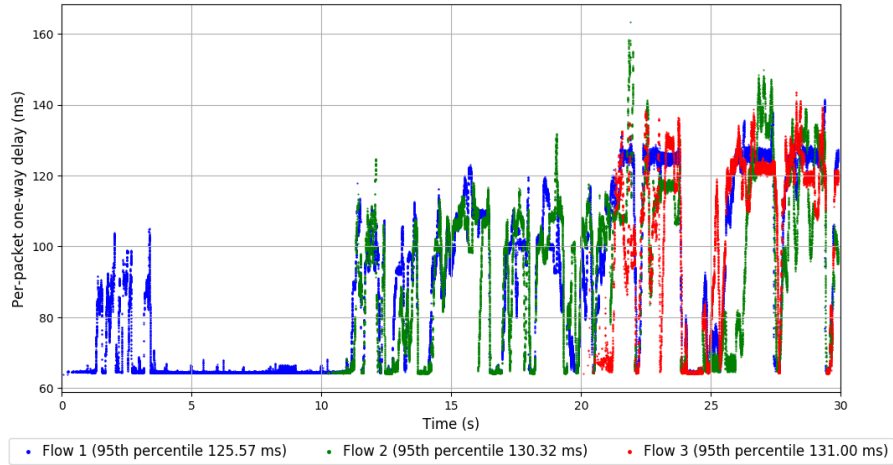
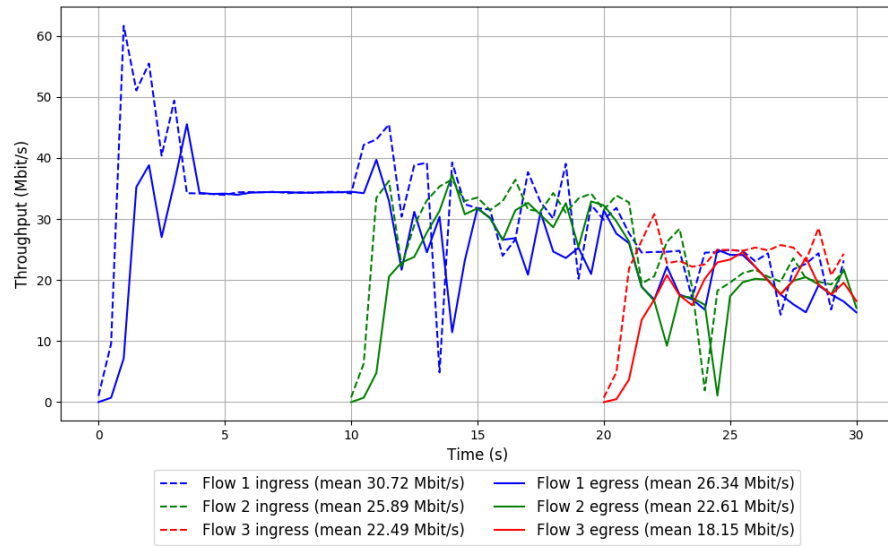


Run 5: Statistics of TCP BBR

Start at: 2018-07-10 21:51:28
End at: 2018-07-10 21:51:58
Local clock offset: 1.08 ms
Remote clock offset: -0.687 ms

Below is generated by plot.py at 2018-07-11 00:13:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.33 Mbit/s
95th percentile per-packet one-way delay: 126.639 ms
Loss rate: 15.08%
-- Flow 1:
Average throughput: 26.34 Mbit/s
95th percentile per-packet one-way delay: 125.573 ms
Loss rate: 14.71%
-- Flow 2:
Average throughput: 22.61 Mbit/s
95th percentile per-packet one-way delay: 130.320 ms
Loss rate: 13.36%
-- Flow 3:
Average throughput: 18.15 Mbit/s
95th percentile per-packet one-way delay: 130.995 ms
Loss rate: 20.55%

Run 5: Report of TCP BBR — Data Link

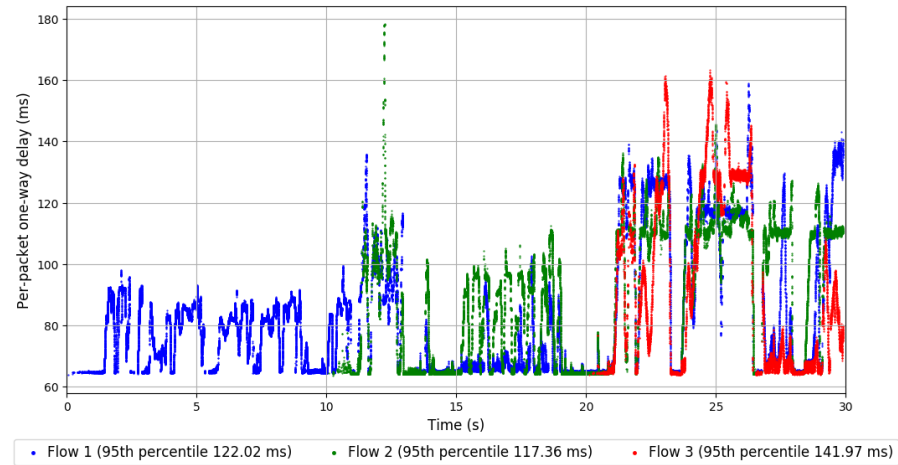
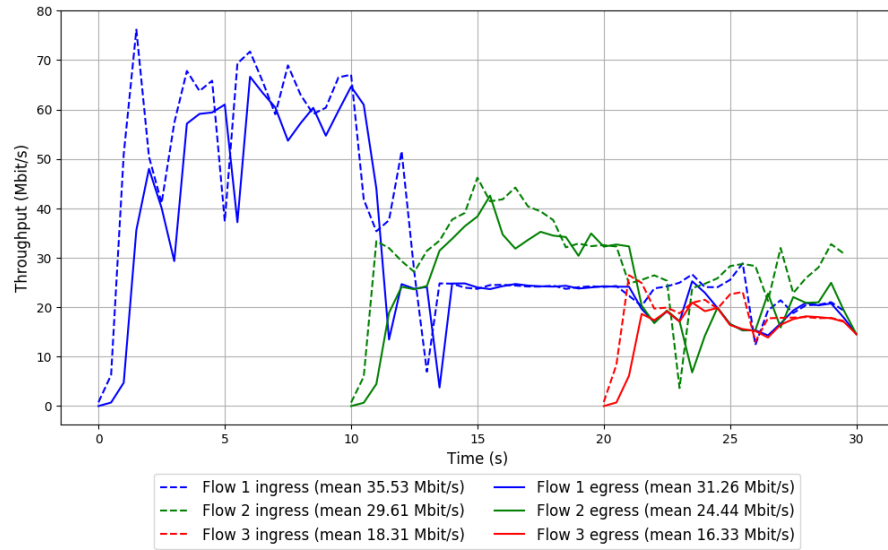


Run 6: Statistics of TCP BBR

Start at: 2018-07-10 22:14:59
End at: 2018-07-10 22:15:29
Local clock offset: 1.155 ms
Remote clock offset: -1.106 ms

Below is generated by plot.py at 2018-07-11 00:13:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.85 Mbit/s
95th percentile per-packet one-way delay: 125.300 ms
Loss rate: 14.26%
-- Flow 1:
Average throughput: 31.26 Mbit/s
95th percentile per-packet one-way delay: 122.023 ms
Loss rate: 12.48%
-- Flow 2:
Average throughput: 24.44 Mbit/s
95th percentile per-packet one-way delay: 117.361 ms
Loss rate: 18.11%
-- Flow 3:
Average throughput: 16.33 Mbit/s
95th percentile per-packet one-way delay: 141.973 ms
Loss rate: 12.18%

Run 6: Report of TCP BBR — Data Link

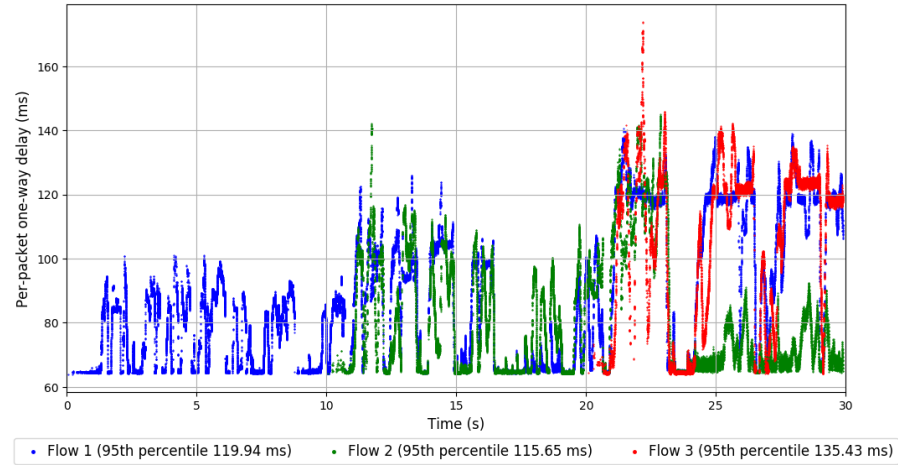
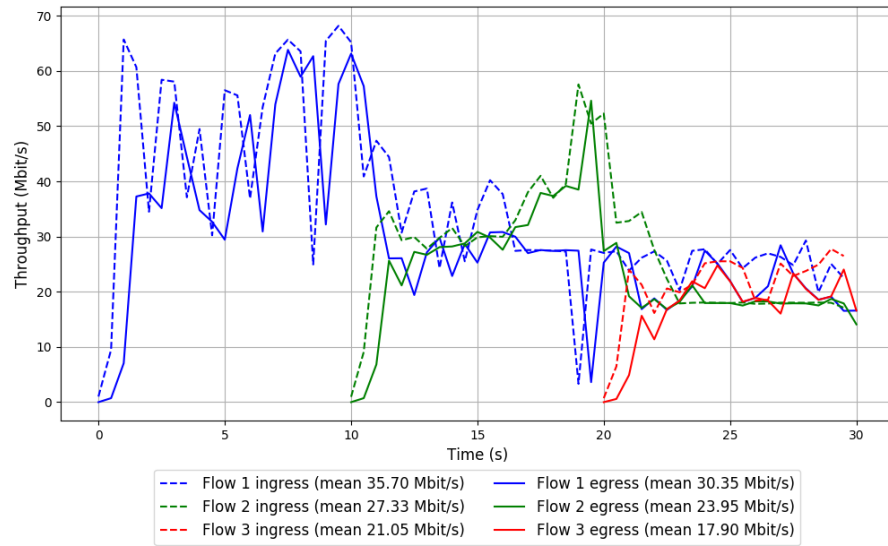


Run 7: Statistics of TCP BBR

Start at: 2018-07-10 22:38:33
End at: 2018-07-10 22:39:03
Local clock offset: 1.003 ms
Remote clock offset: -1.507 ms

Below is generated by plot.py at 2018-07-11 00:13:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.14 Mbit/s
95th percentile per-packet one-way delay: 123.528 ms
Loss rate: 14.80%
-- Flow 1:
Average throughput: 30.35 Mbit/s
95th percentile per-packet one-way delay: 119.938 ms
Loss rate: 15.41%
-- Flow 2:
Average throughput: 23.95 Mbit/s
95th percentile per-packet one-way delay: 115.648 ms
Loss rate: 13.03%
-- Flow 3:
Average throughput: 17.90 Mbit/s
95th percentile per-packet one-way delay: 135.433 ms
Loss rate: 16.26%

Run 7: Report of TCP BBR — Data Link

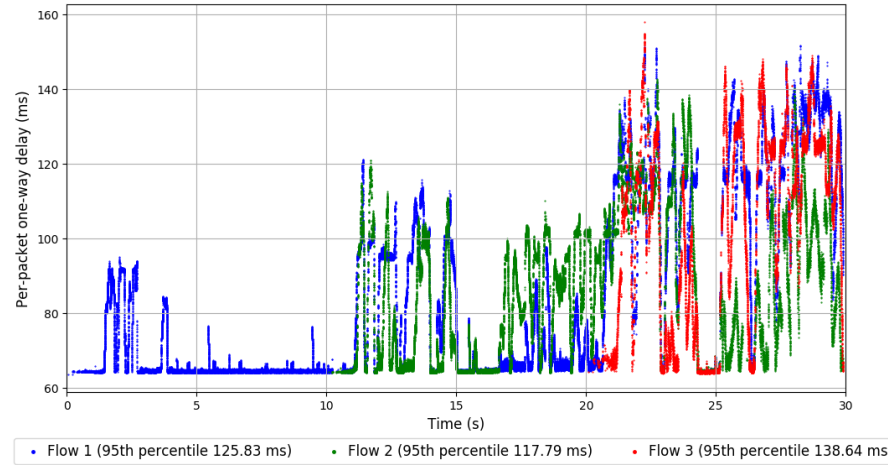
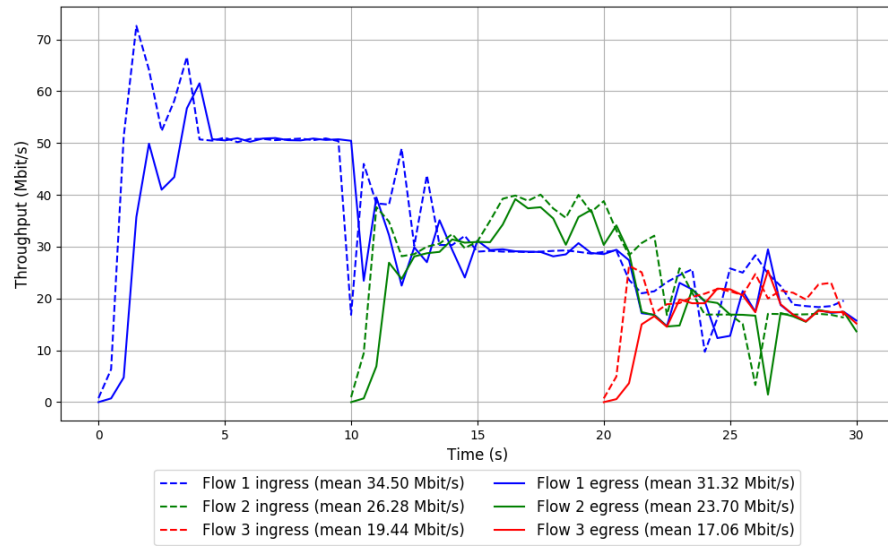


Run 8: Statistics of TCP BBR

Start at: 2018-07-10 23:02:13
End at: 2018-07-10 23:02:43
Local clock offset: 0.898 ms
Remote clock offset: -0.918 ms

Below is generated by plot.py at 2018-07-11 00:13:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.67 Mbit/s
95th percentile per-packet one-way delay: 127.566 ms
Loss rate: 10.35%
-- Flow 1:
Average throughput: 31.32 Mbit/s
95th percentile per-packet one-way delay: 125.828 ms
Loss rate: 9.66%
-- Flow 2:
Average throughput: 23.70 Mbit/s
95th percentile per-packet one-way delay: 117.794 ms
Loss rate: 10.49%
-- Flow 3:
Average throughput: 17.06 Mbit/s
95th percentile per-packet one-way delay: 138.636 ms
Loss rate: 13.60%

Run 8: Report of TCP BBR — Data Link

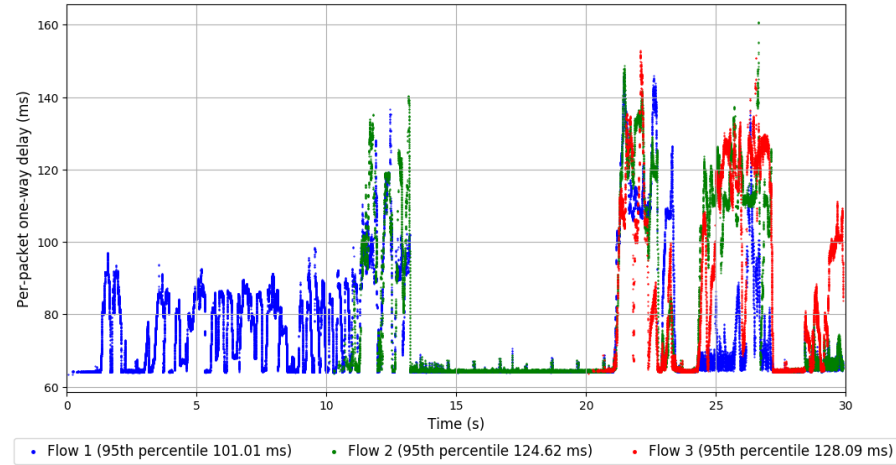
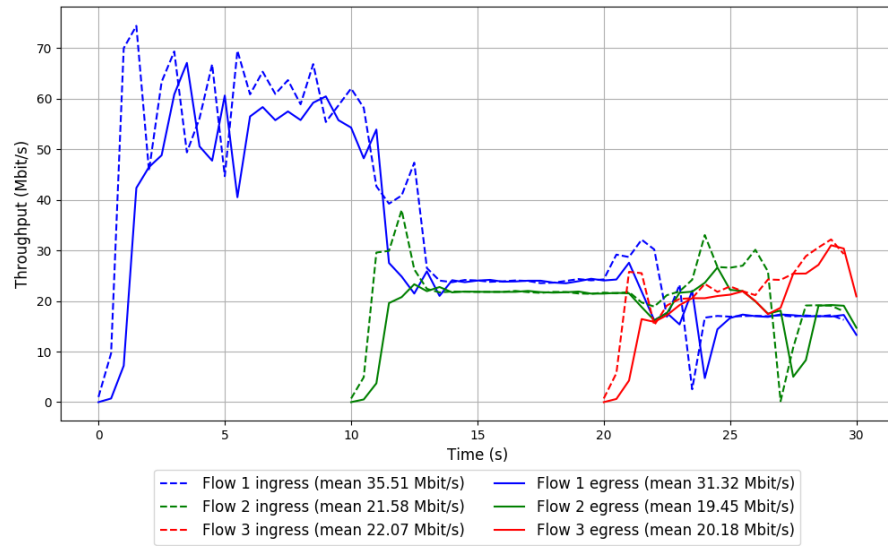


Run 9: Statistics of TCP BBR

Start at: 2018-07-10 23:25:54
End at: 2018-07-10 23:26:24
Local clock offset: 0.68 ms
Remote clock offset: -1.254 ms

Below is generated by plot.py at 2018-07-11 00:13:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.84 Mbit/s
95th percentile per-packet one-way delay: 120.674 ms
Loss rate: 11.53%
-- Flow 1:
Average throughput: 31.32 Mbit/s
95th percentile per-packet one-way delay: 101.013 ms
Loss rate: 12.25%
-- Flow 2:
Average throughput: 19.45 Mbit/s
95th percentile per-packet one-way delay: 124.621 ms
Loss rate: 10.56%
-- Flow 3:
Average throughput: 20.18 Mbit/s
95th percentile per-packet one-way delay: 128.088 ms
Loss rate: 9.96%

Run 9: Report of TCP BBR — Data Link

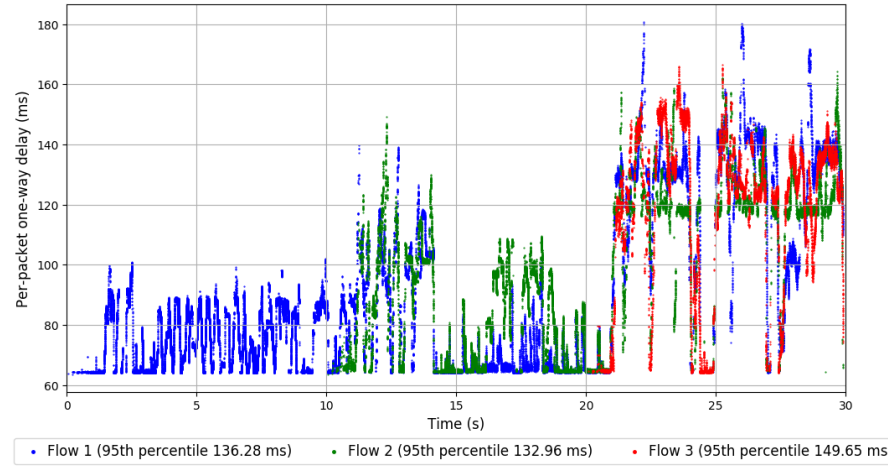
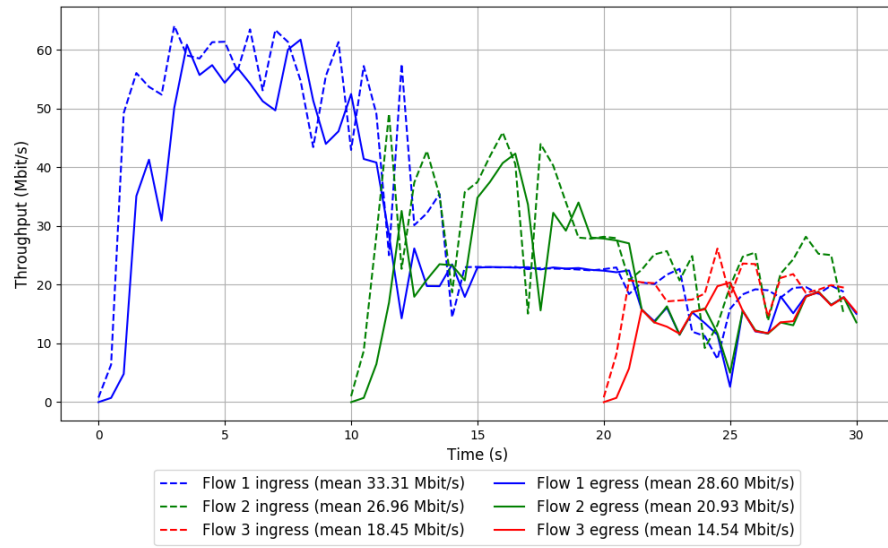


Run 10: Statistics of TCP BBR

Start at: 2018-07-10 23:49:20
End at: 2018-07-10 23:49:50
Local clock offset: 0.526 ms
Remote clock offset: -1.569 ms

Below is generated by plot.py at 2018-07-11 00:13:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.28 Mbit/s
95th percentile per-packet one-way delay: 138.786 ms
Loss rate: 18.03%
-- Flow 1:
Average throughput: 28.60 Mbit/s
95th percentile per-packet one-way delay: 136.283 ms
Loss rate: 14.59%
-- Flow 2:
Average throughput: 20.93 Mbit/s
95th percentile per-packet one-way delay: 132.957 ms
Loss rate: 22.94%
-- Flow 3:
Average throughput: 14.54 Mbit/s
95th percentile per-packet one-way delay: 149.647 ms
Loss rate: 22.37%

Run 10: Report of TCP BBR — Data Link

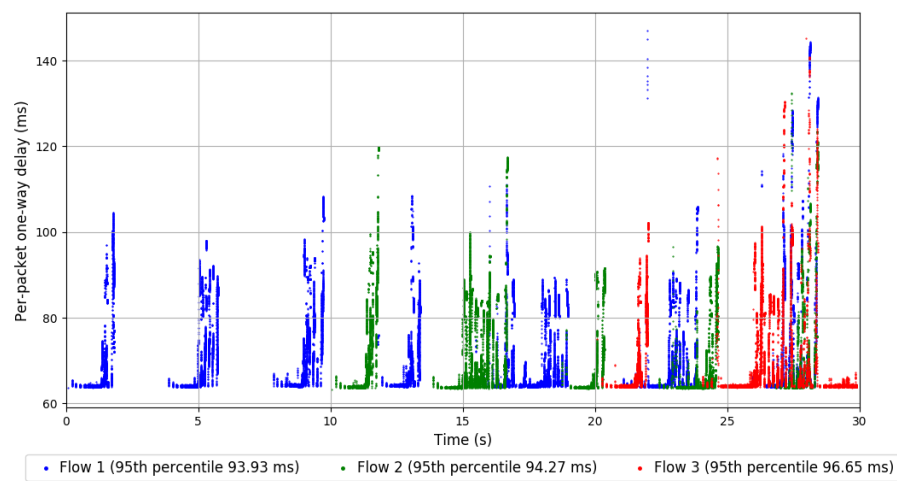
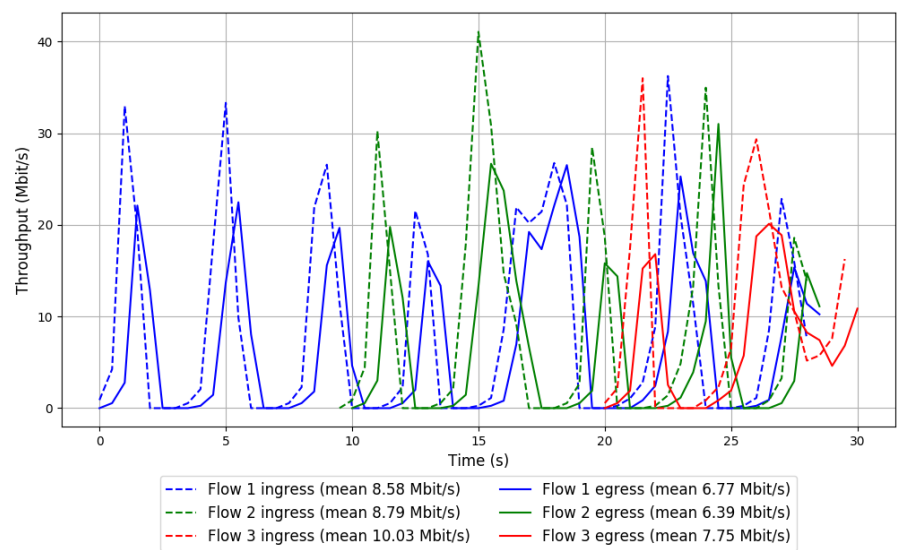


Run 1: Statistics of Copa

Start at: 2018-07-10 20:27:25
End at: 2018-07-10 20:27:55
Local clock offset: 1.11 ms
Remote clock offset: -0.867 ms

Below is generated by plot.py at 2018-07-11 00:13:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.92 Mbit/s
95th percentile per-packet one-way delay: 94.300 ms
Loss rate: 23.49%
-- Flow 1:
Average throughput: 6.77 Mbit/s
95th percentile per-packet one-way delay: 93.926 ms
Loss rate: 20.89%
-- Flow 2:
Average throughput: 6.39 Mbit/s
95th percentile per-packet one-way delay: 94.269 ms
Loss rate: 27.10%
-- Flow 3:
Average throughput: 7.75 Mbit/s
95th percentile per-packet one-way delay: 96.647 ms
Loss rate: 24.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-10 20:50:50

End at: 2018-07-10 20:51:20

Local clock offset: 1.209 ms

Remote clock offset: 0.58 ms

Below is generated by plot.py at 2018-07-11 00:13:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.14 Mbit/s

95th percentile per-packet one-way delay: 98.769 ms

Loss rate: 25.25%

-- Flow 1:

Average throughput: 5.14 Mbit/s

95th percentile per-packet one-way delay: 95.064 ms

Loss rate: 30.08%

-- Flow 2:

Average throughput: 6.10 Mbit/s

95th percentile per-packet one-way delay: 99.991 ms

Loss rate: 20.64%

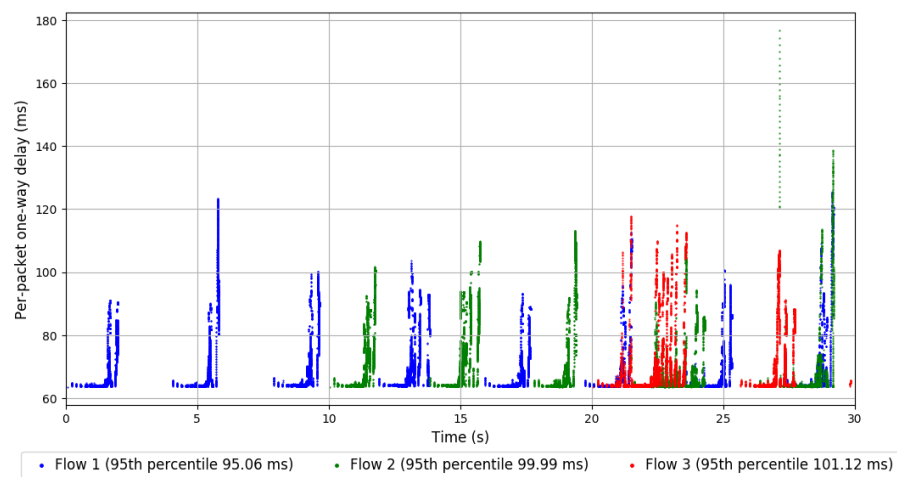
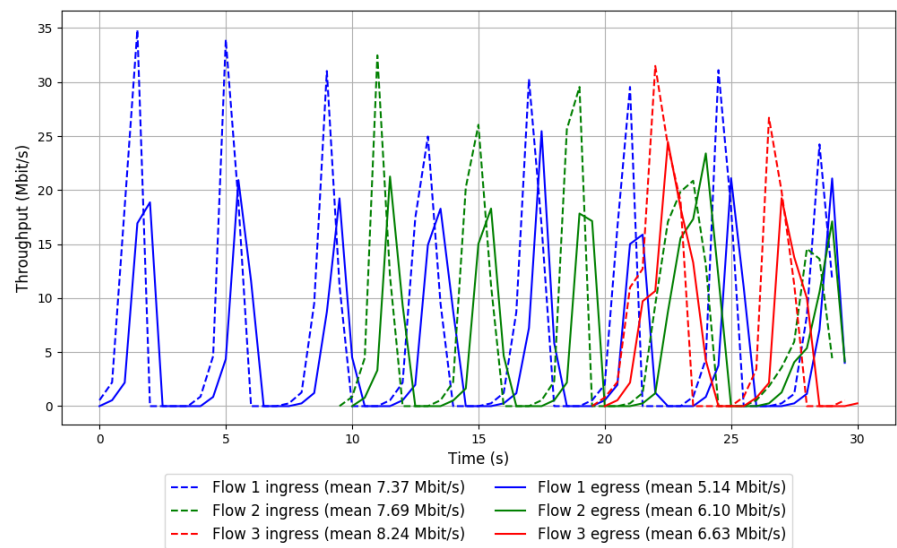
-- Flow 3:

Average throughput: 6.63 Mbit/s

95th percentile per-packet one-way delay: 101.119 ms

Loss rate: 20.91%

Run 2: Report of Copa — Data Link

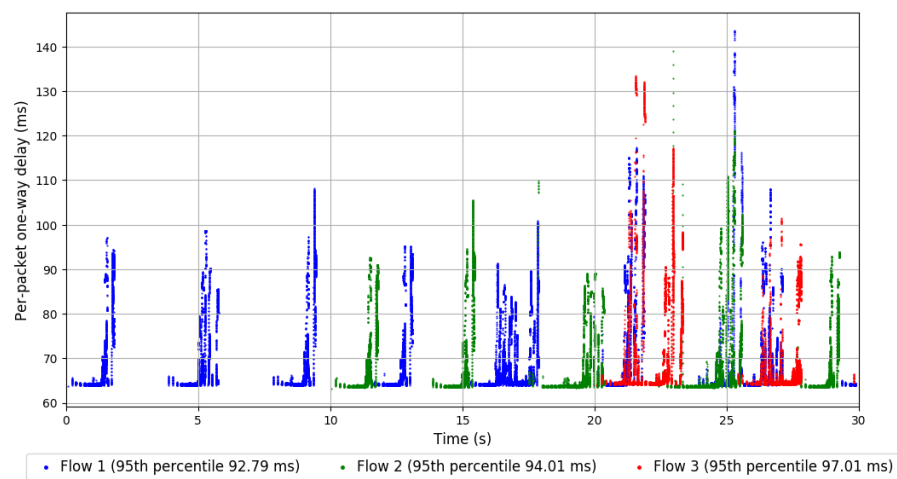
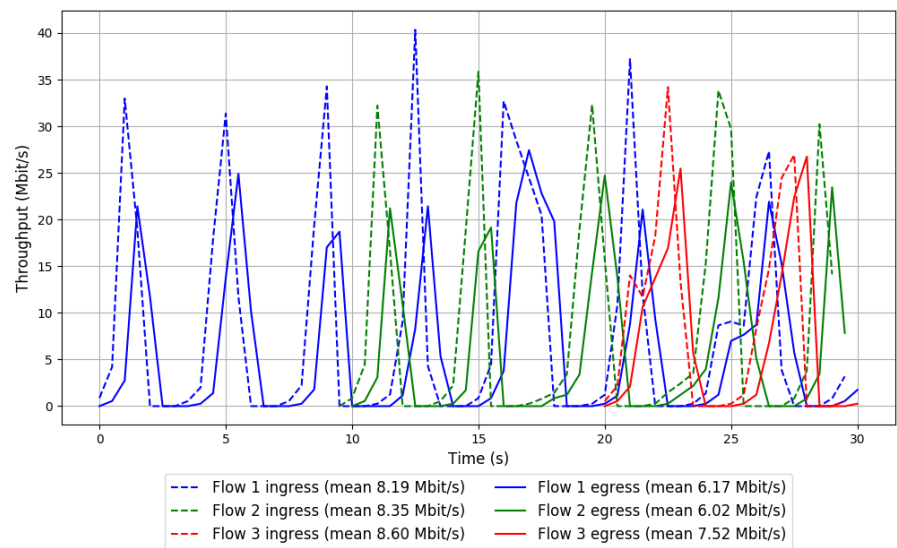


Run 3: Statistics of Copa

Start at: 2018-07-10 21:14:18
End at: 2018-07-10 21:14:48
Local clock offset: 1.337 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-07-11 00:13:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.51 Mbit/s
95th percentile per-packet one-way delay: 94.391 ms
Loss rate: 24.01%
-- Flow 1:
Average throughput: 6.17 Mbit/s
95th percentile per-packet one-way delay: 92.792 ms
Loss rate: 25.02%
-- Flow 2:
Average throughput: 6.02 Mbit/s
95th percentile per-packet one-way delay: 94.011 ms
Loss rate: 27.80%
-- Flow 3:
Average throughput: 7.52 Mbit/s
95th percentile per-packet one-way delay: 97.014 ms
Loss rate: 13.98%

Run 3: Report of Copa — Data Link

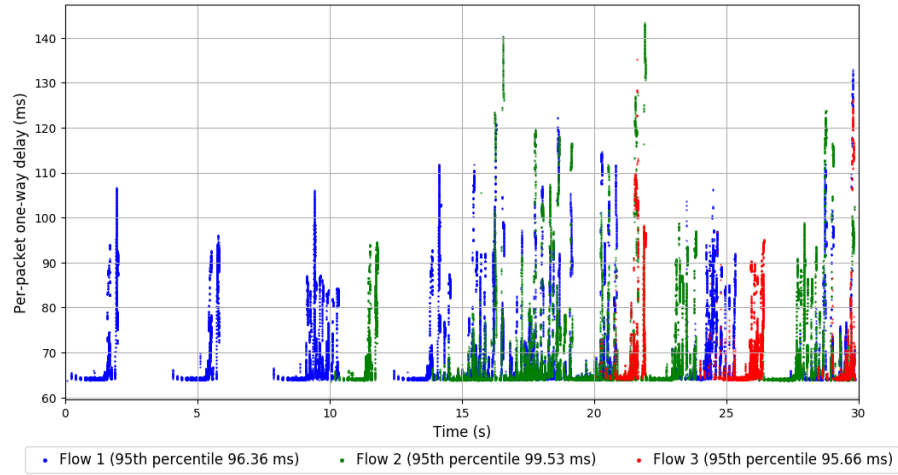
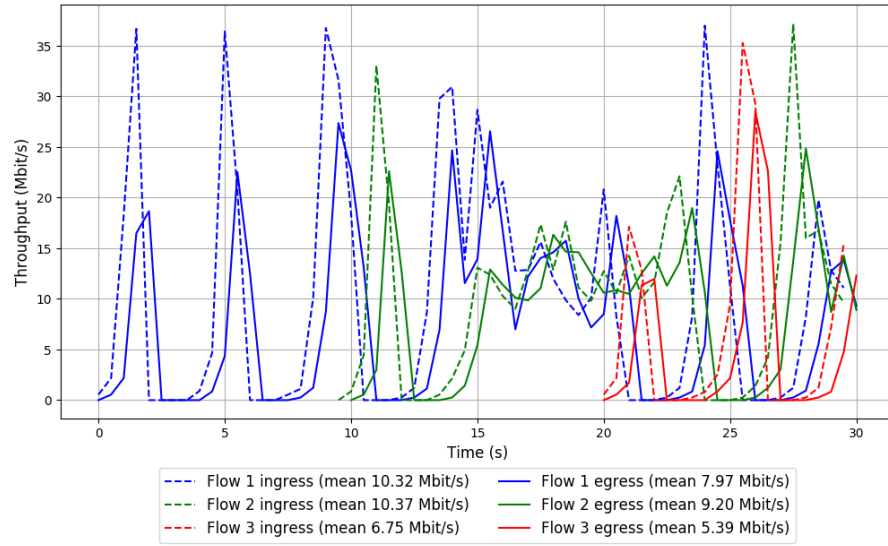


Run 4: Statistics of Copa

Start at: 2018-07-10 21:37:46
End at: 2018-07-10 21:38:16
Local clock offset: 1.132 ms
Remote clock offset: -0.395 ms

Below is generated by plot.py at 2018-07-11 00:13:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 15.86 Mbit/s
95th percentile per-packet one-way delay: 96.935 ms
Loss rate: 19.05%
-- Flow 1:
Average throughput: 7.97 Mbit/s
95th percentile per-packet one-way delay: 96.361 ms
Loss rate: 23.21%
-- Flow 2:
Average throughput: 9.20 Mbit/s
95th percentile per-packet one-way delay: 99.527 ms
Loss rate: 12.02%
-- Flow 3:
Average throughput: 5.39 Mbit/s
95th percentile per-packet one-way delay: 95.656 ms
Loss rate: 21.53%

Run 4: Report of Copa — Data Link

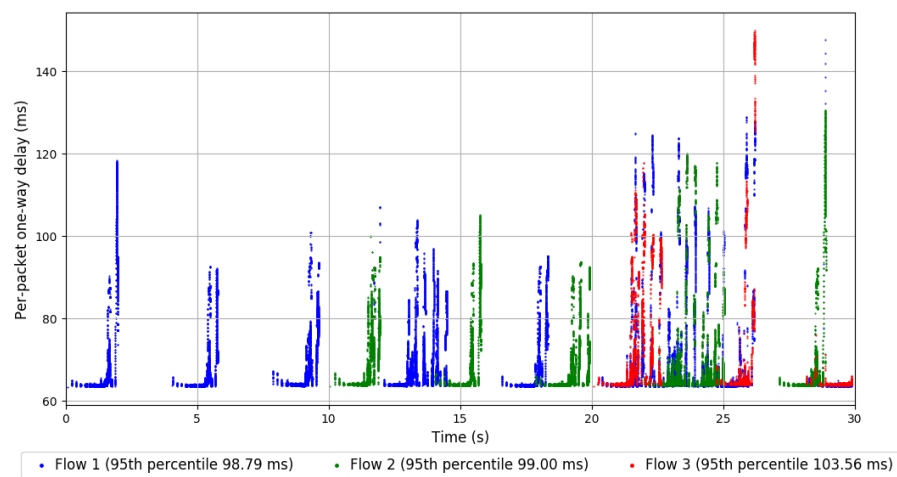
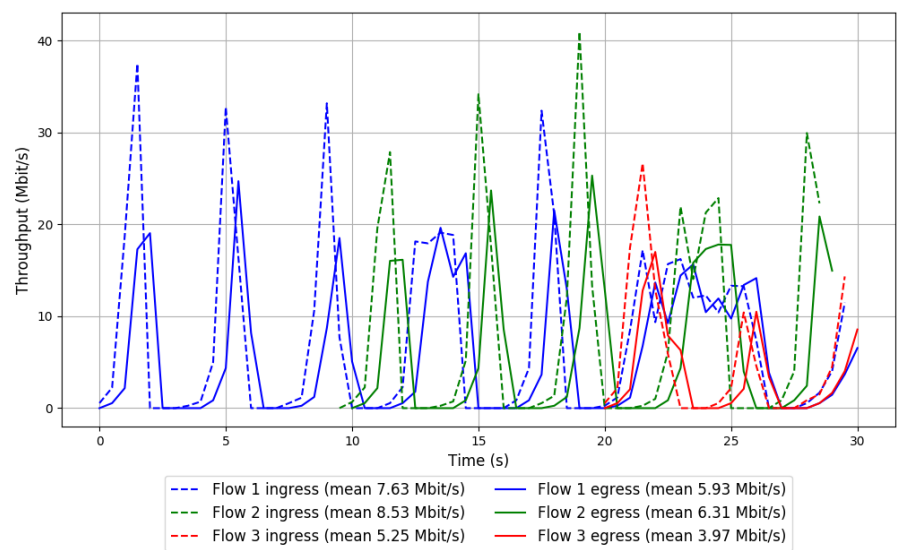


Run 5: Statistics of Copa

Start at: 2018-07-10 22:01:20
End at: 2018-07-10 22:01:50
Local clock offset: 1.051 ms
Remote clock offset: -0.897 ms

Below is generated by plot.py at 2018-07-11 00:13:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.22 Mbit/s
95th percentile per-packet one-way delay: 99.647 ms
Loss rate: 24.20%
-- Flow 1:
Average throughput: 5.93 Mbit/s
95th percentile per-packet one-way delay: 98.793 ms
Loss rate: 22.69%
-- Flow 2:
Average throughput: 6.31 Mbit/s
95th percentile per-packet one-way delay: 99.001 ms
Loss rate: 25.94%
-- Flow 3:
Average throughput: 3.97 Mbit/s
95th percentile per-packet one-way delay: 103.565 ms
Loss rate: 25.47%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-10 22:24:46

End at: 2018-07-10 22:25:16

Local clock offset: 1.028 ms

Remote clock offset: -1.33 ms

Below is generated by plot.py at 2018-07-11 00:13:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.93 Mbit/s

95th percentile per-packet one-way delay: 92.421 ms

Loss rate: 21.20%

-- Flow 1:

Average throughput: 6.90 Mbit/s

95th percentile per-packet one-way delay: 90.215 ms

Loss rate: 23.05%

-- Flow 2:

Average throughput: 6.83 Mbit/s

95th percentile per-packet one-way delay: 94.251 ms

Loss rate: 20.12%

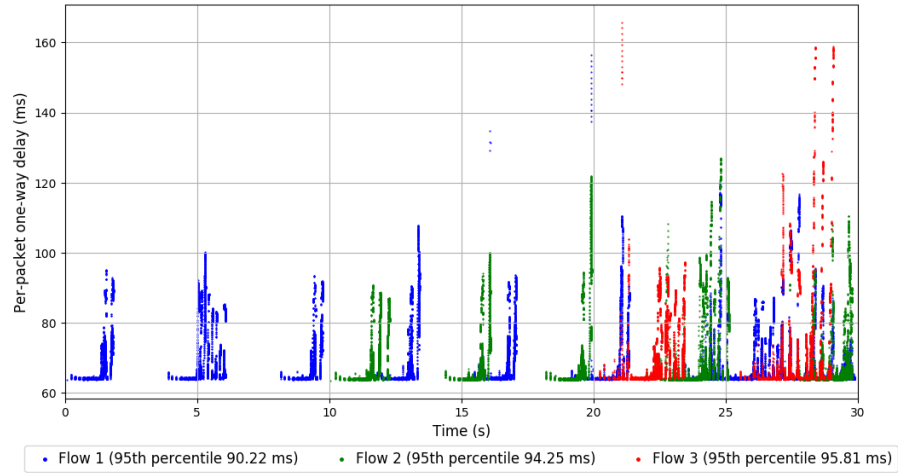
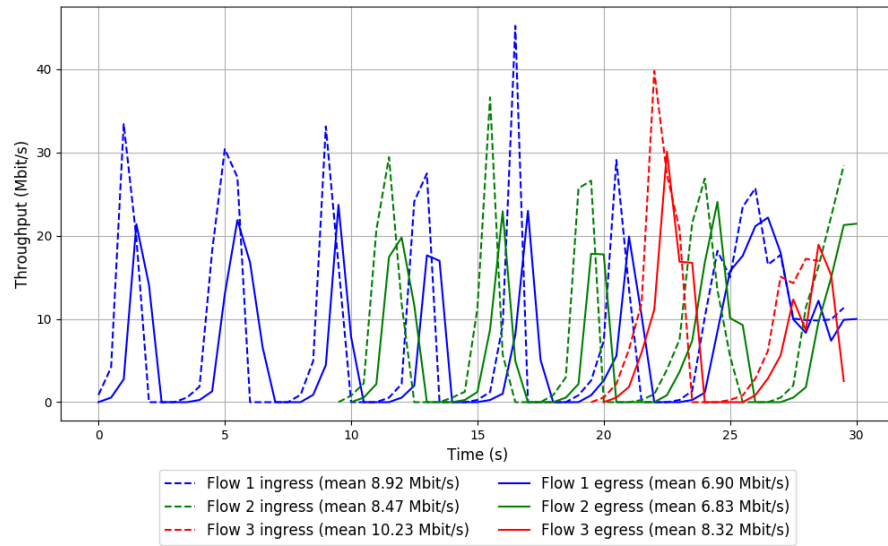
-- Flow 3:

Average throughput: 8.32 Mbit/s

95th percentile per-packet one-way delay: 95.810 ms

Loss rate: 17.74%

Run 6: Report of Copa — Data Link

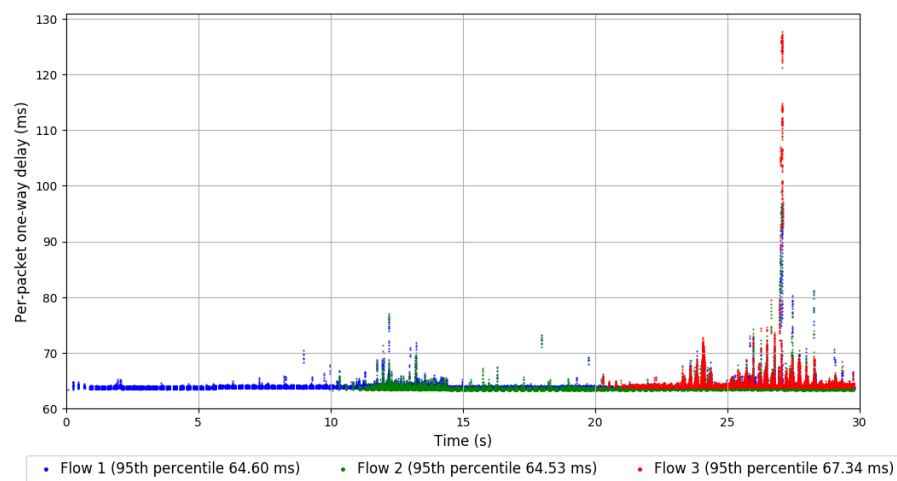
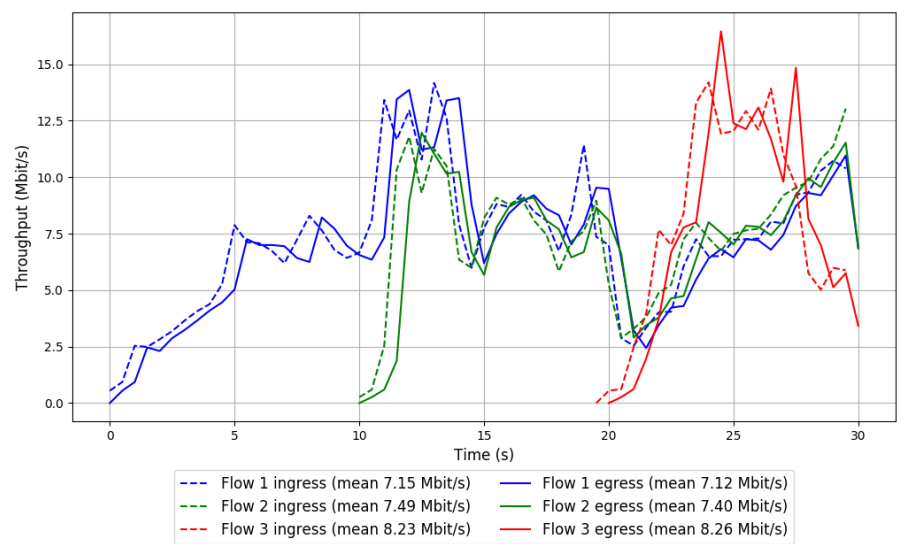


Run 7: Statistics of Copa

Start at: 2018-07-10 22:48:27
End at: 2018-07-10 22:48:57
Local clock offset: 0.802 ms
Remote clock offset: -1.218 ms

Below is generated by plot.py at 2018-07-11 00:13:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.73 Mbit/s
95th percentile per-packet one-way delay: 65.104 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 7.12 Mbit/s
95th percentile per-packet one-way delay: 64.599 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 7.40 Mbit/s
95th percentile per-packet one-way delay: 64.533 ms
Loss rate: 2.40%
-- Flow 3:
Average throughput: 8.26 Mbit/s
95th percentile per-packet one-way delay: 67.339 ms
Loss rate: 2.15%

Run 7: Report of Copa — Data Link

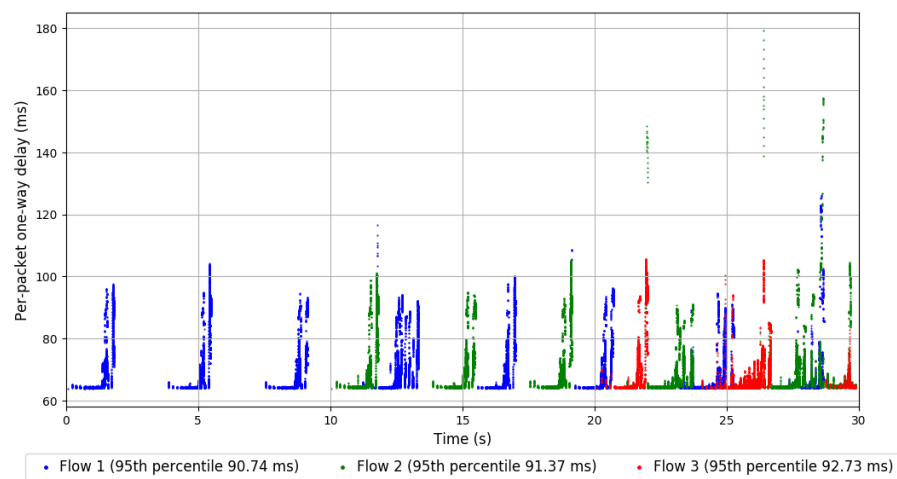
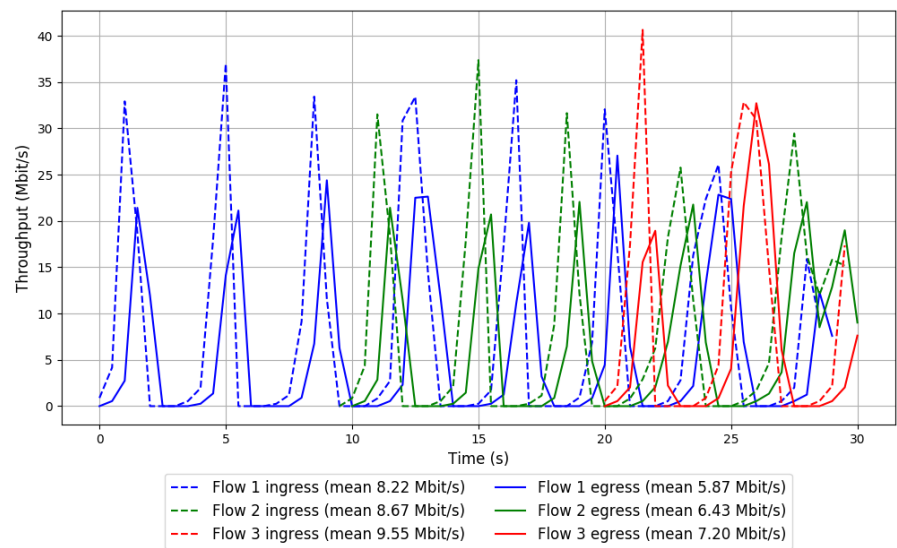


Run 8: Statistics of Copa

Start at: 2018-07-10 23:12:08
End at: 2018-07-10 23:12:38
Local clock offset: 0.951 ms
Remote clock offset: -0.983 ms

Below is generated by plot.py at 2018-07-11 00:13:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.27 Mbit/s
95th percentile per-packet one-way delay: 91.262 ms
Loss rate: 27.30%
-- Flow 1:
Average throughput: 5.87 Mbit/s
95th percentile per-packet one-way delay: 90.736 ms
Loss rate: 28.50%
-- Flow 2:
Average throughput: 6.43 Mbit/s
95th percentile per-packet one-way delay: 91.368 ms
Loss rate: 26.45%
-- Flow 3:
Average throughput: 7.20 Mbit/s
95th percentile per-packet one-way delay: 92.732 ms
Loss rate: 25.91%

Run 8: Report of Copa — Data Link

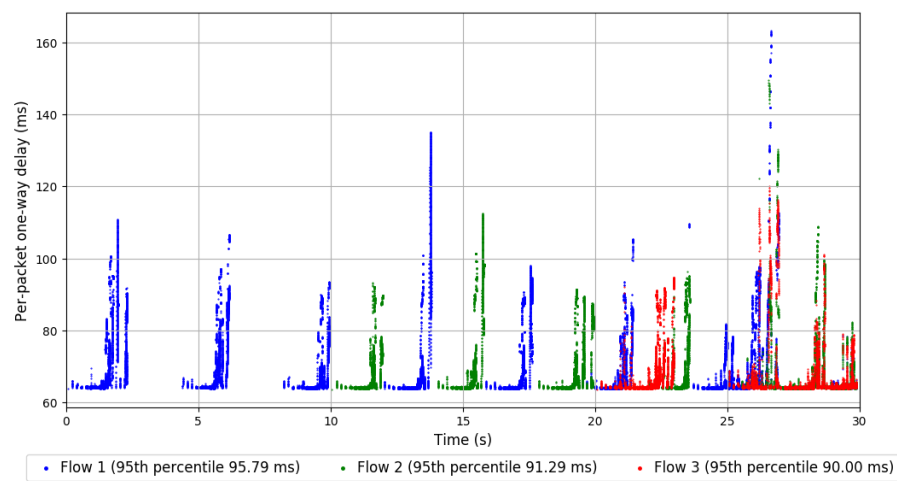
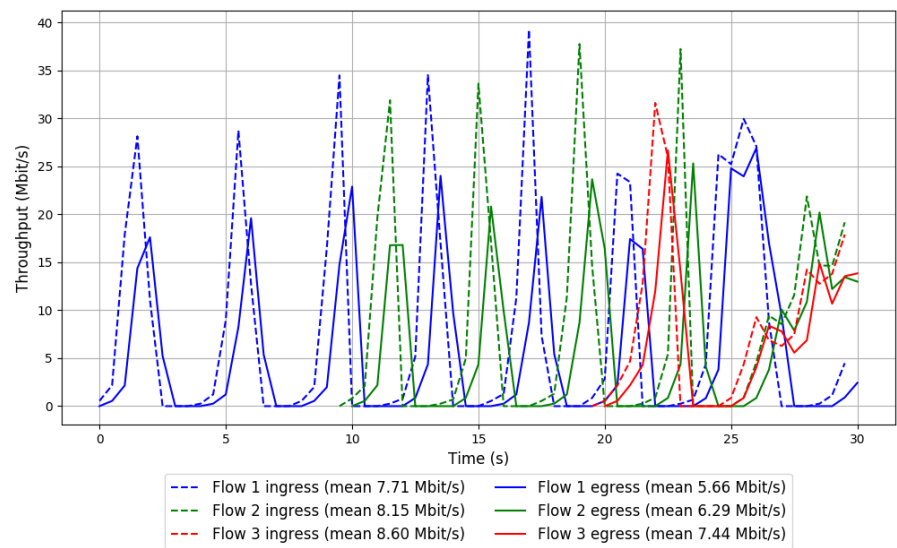


Run 9: Statistics of Copa

Start at: 2018-07-10 23:35:39
End at: 2018-07-10 23:36:09
Local clock offset: 0.539 ms
Remote clock offset: -1.469 ms

Below is generated by plot.py at 2018-07-11 00:13:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.29 Mbit/s
95th percentile per-packet one-way delay: 93.340 ms
Loss rate: 23.59%
-- Flow 1:
Average throughput: 5.66 Mbit/s
95th percentile per-packet one-way delay: 95.793 ms
Loss rate: 26.96%
-- Flow 2:
Average throughput: 6.29 Mbit/s
95th percentile per-packet one-way delay: 91.290 ms
Loss rate: 23.45%
-- Flow 3:
Average throughput: 7.44 Mbit/s
95th percentile per-packet one-way delay: 89.999 ms
Loss rate: 14.79%

Run 9: Report of Copa — Data Link

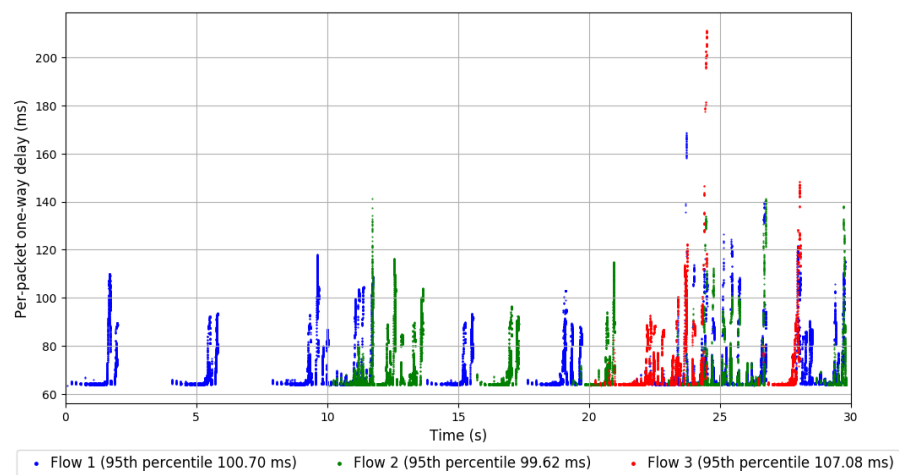
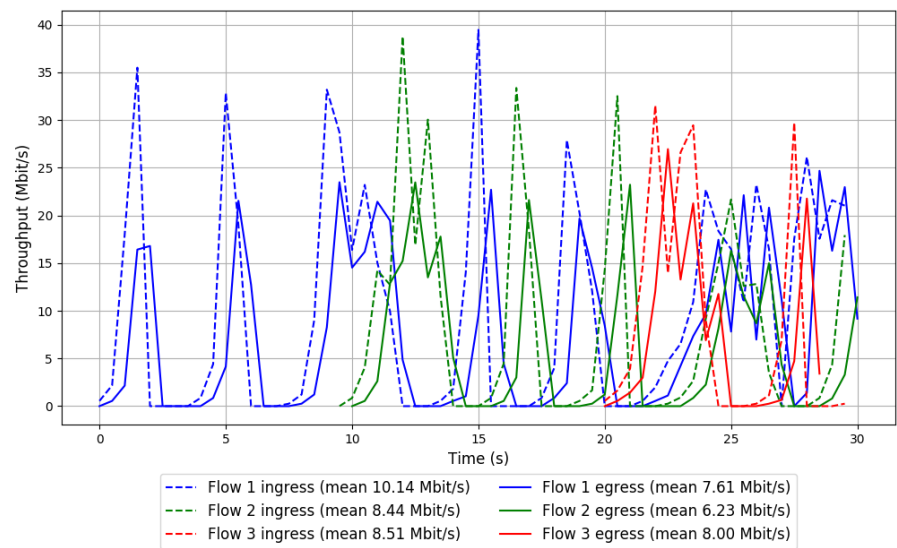


Run 10: Statistics of Copa

Start at: 2018-07-10 23:59:07
End at: 2018-07-10 23:59:37
Local clock offset: 0.362 ms
Remote clock offset: -1.099 ms

Below is generated by plot.py at 2018-07-11 00:13:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.89 Mbit/s
95th percentile per-packet one-way delay: 100.856 ms
Loss rate: 25.81%
-- Flow 1:
Average throughput: 7.61 Mbit/s
95th percentile per-packet one-way delay: 100.704 ms
Loss rate: 25.54%
-- Flow 2:
Average throughput: 6.23 Mbit/s
95th percentile per-packet one-way delay: 99.619 ms
Loss rate: 26.91%
-- Flow 3:
Average throughput: 8.00 Mbit/s
95th percentile per-packet one-way delay: 107.085 ms
Loss rate: 24.58%

Run 10: Report of Copa — Data Link

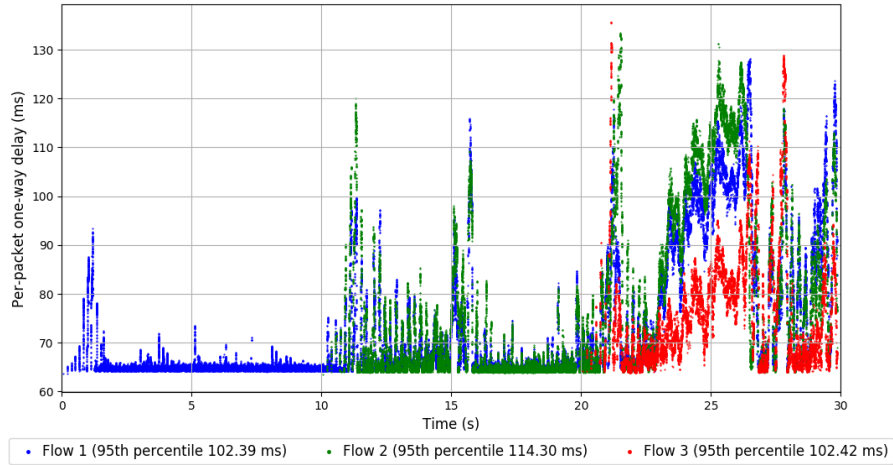
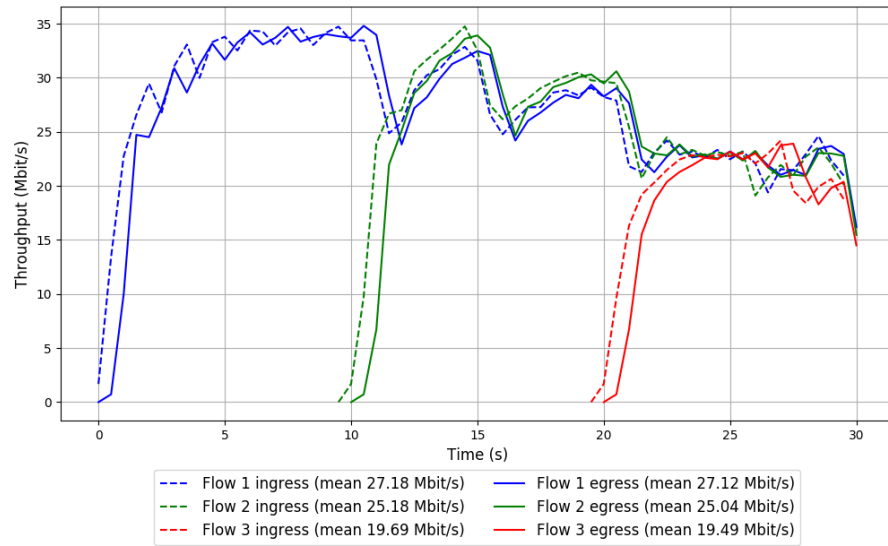


Run 1: Statistics of TCP Cubic

Start at: 2018-07-10 20:20:30
End at: 2018-07-10 20:21:00
Local clock offset: 0.939 ms
Remote clock offset: -1.074 ms

Below is generated by plot.py at 2018-07-11 00:13:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.18 Mbit/s
95th percentile per-packet one-way delay: 107.480 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 27.12 Mbit/s
95th percentile per-packet one-way delay: 102.394 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 25.04 Mbit/s
95th percentile per-packet one-way delay: 114.298 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 19.49 Mbit/s
95th percentile per-packet one-way delay: 102.415 ms
Loss rate: 2.51%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-10 20:43:54

End at: 2018-07-10 20:44:24

Local clock offset: 1.25 ms

Remote clock offset: 0.302 ms

Below is generated by plot.py at 2018-07-11 00:14:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.22 Mbit/s

95th percentile per-packet one-way delay: 88.564 ms

Loss rate: 1.62%

-- Flow 1:

Average throughput: 25.74 Mbit/s

95th percentile per-packet one-way delay: 84.941 ms

Loss rate: 1.09%

-- Flow 2:

Average throughput: 25.07 Mbit/s

95th percentile per-packet one-way delay: 90.406 ms

Loss rate: 2.25%

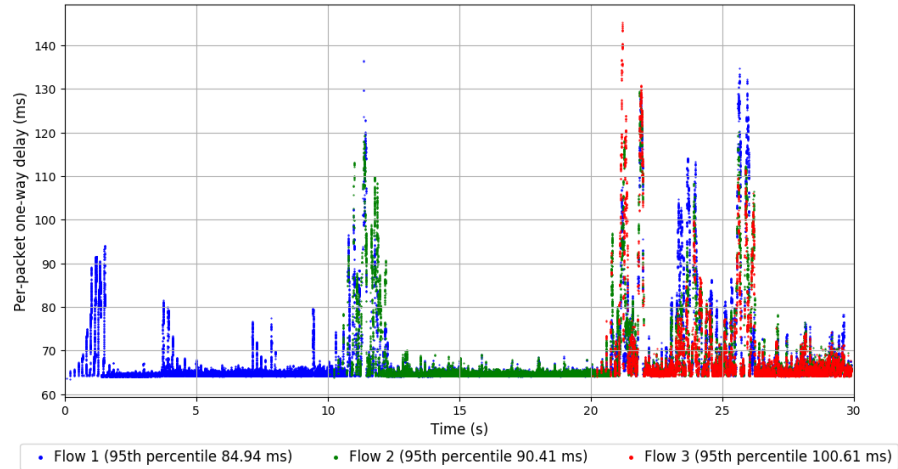
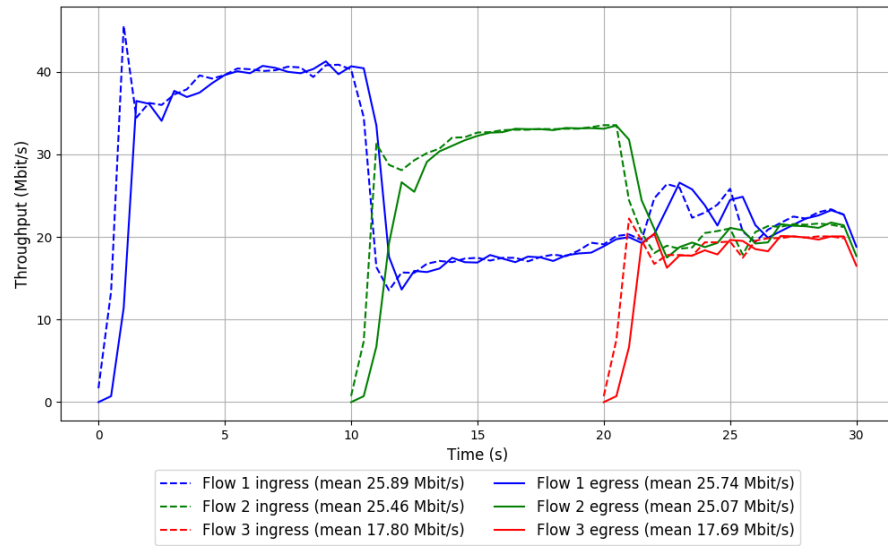
-- Flow 3:

Average throughput: 17.69 Mbit/s

95th percentile per-packet one-way delay: 100.615 ms

Loss rate: 2.13%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

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

End at: 2018-07-10 21:07:51

Local clock offset: 1.239 ms

Remote clock offset: 0.295 ms

Below is generated by plot.py at 2018-07-11 00:14:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.32 Mbit/s

95th percentile per-packet one-way delay: 101.466 ms

Loss rate: 1.32%

-- Flow 1:

Average throughput: 33.32 Mbit/s

95th percentile per-packet one-way delay: 96.397 ms

Loss rate: 0.93%

-- Flow 2:

Average throughput: 25.79 Mbit/s

95th percentile per-packet one-way delay: 105.001 ms

Loss rate: 1.85%

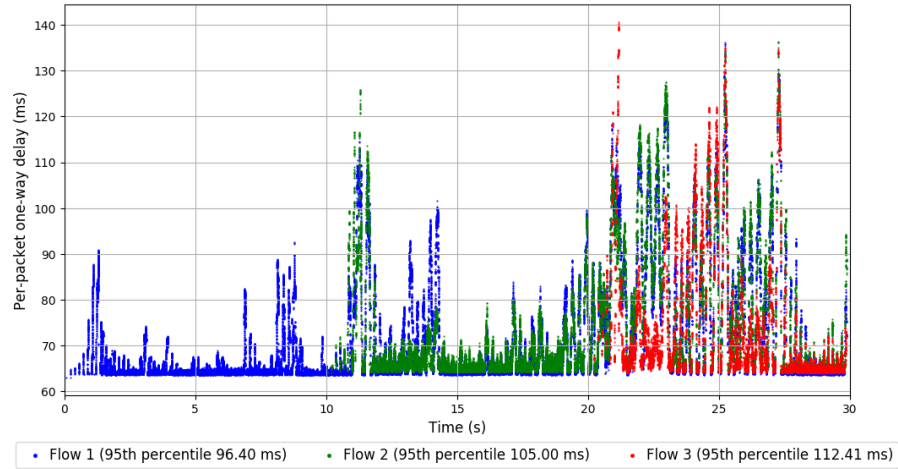
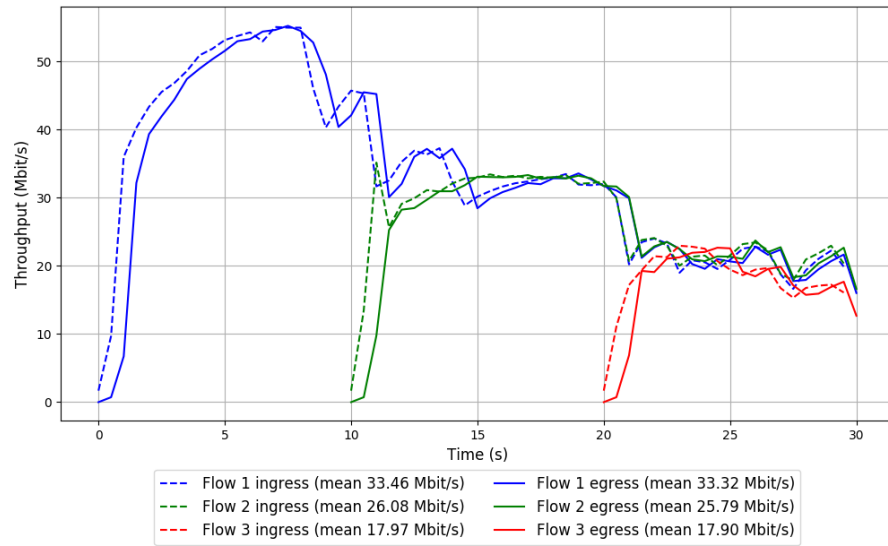
-- Flow 3:

Average throughput: 17.90 Mbit/s

95th percentile per-packet one-way delay: 112.405 ms

Loss rate: 1.94%

Run 3: Report of TCP Cubic — Data Link

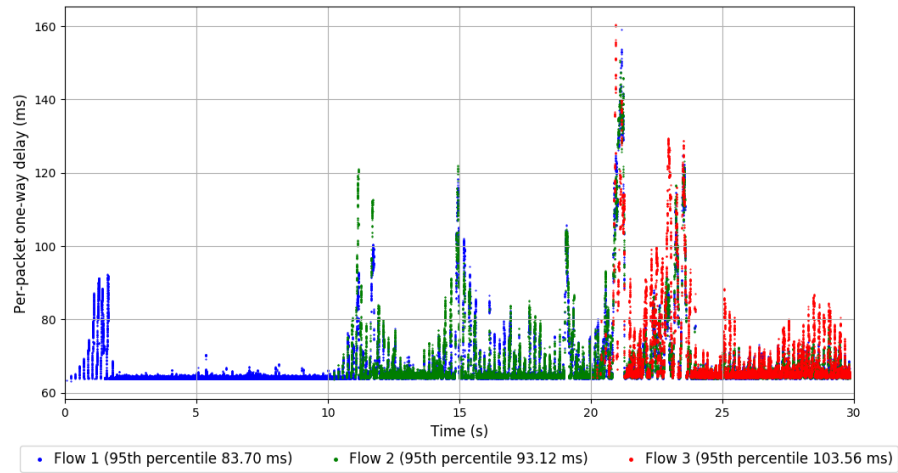
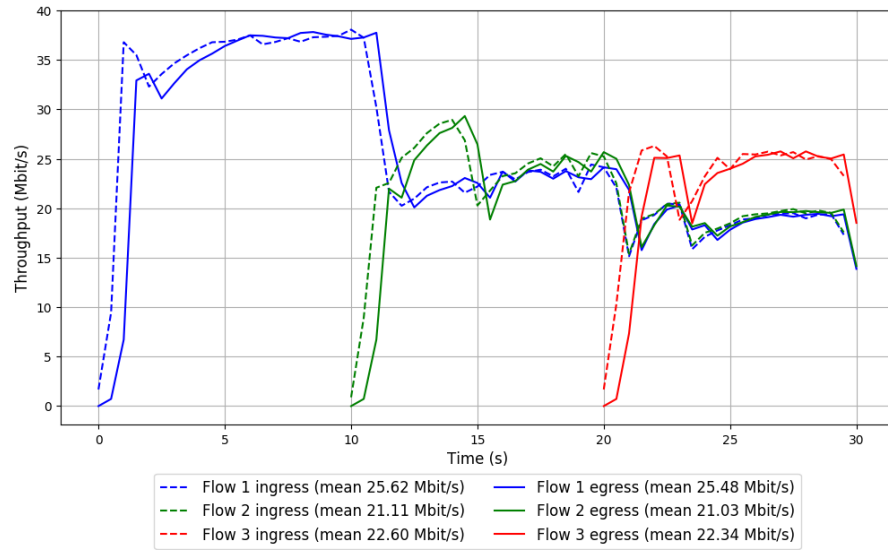


Run 4: Statistics of TCP Cubic

Start at: 2018-07-10 21:30:50
End at: 2018-07-10 21:31:20
Local clock offset: 1.13 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-07-11 00:14:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.78 Mbit/s
95th percentile per-packet one-way delay: 88.955 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 25.48 Mbit/s
95th percentile per-packet one-way delay: 83.698 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 21.03 Mbit/s
95th percentile per-packet one-way delay: 93.120 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 22.34 Mbit/s
95th percentile per-packet one-way delay: 103.562 ms
Loss rate: 2.63%

Run 4: Report of TCP Cubic — Data Link

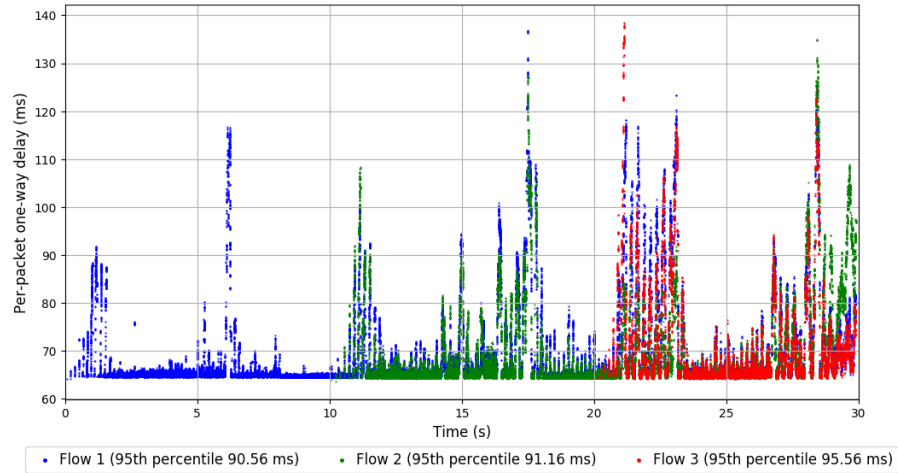
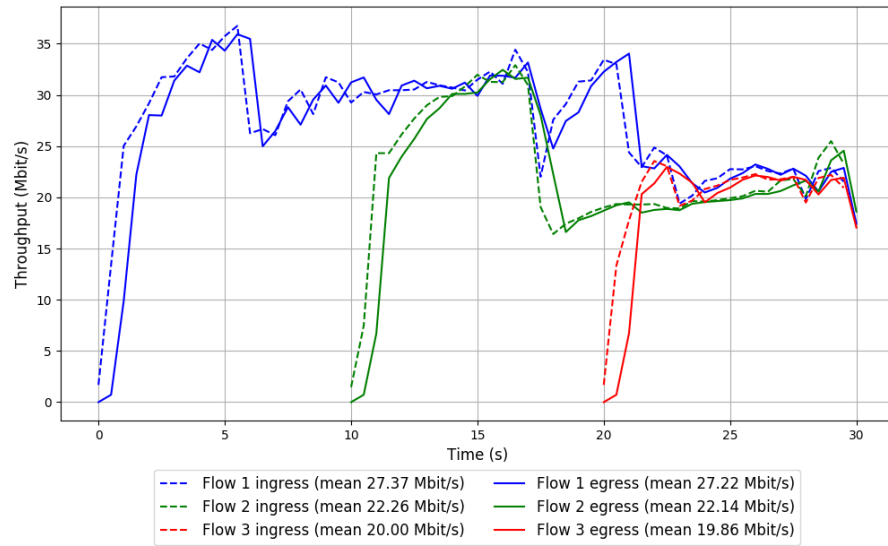


Run 5: Statistics of TCP Cubic

Start at: 2018-07-10 21:54:24
End at: 2018-07-10 21:54:54
Local clock offset: 1.182 ms
Remote clock offset: -0.828 ms

Below is generated by plot.py at 2018-07-11 00:14:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.45 Mbit/s
95th percentile per-packet one-way delay: 91.787 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 27.22 Mbit/s
95th percentile per-packet one-way delay: 90.562 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 22.14 Mbit/s
95th percentile per-packet one-way delay: 91.155 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 19.86 Mbit/s
95th percentile per-packet one-way delay: 95.560 ms
Loss rate: 2.20%

Run 5: Report of TCP Cubic — Data Link

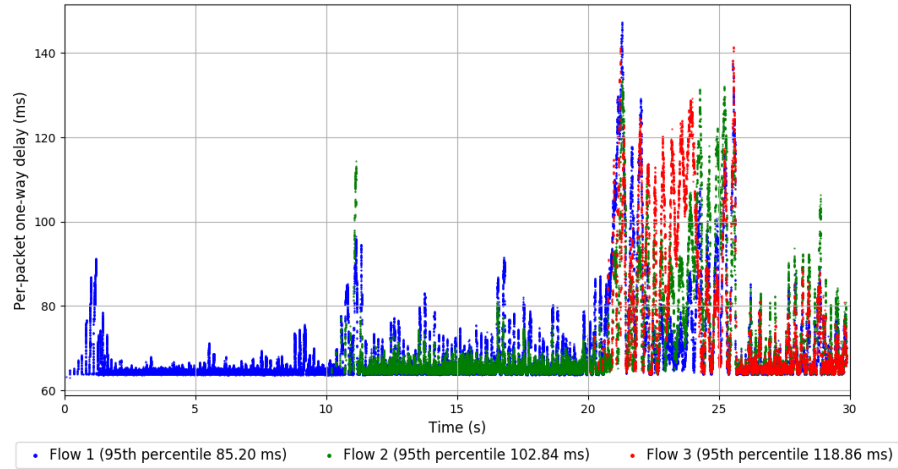
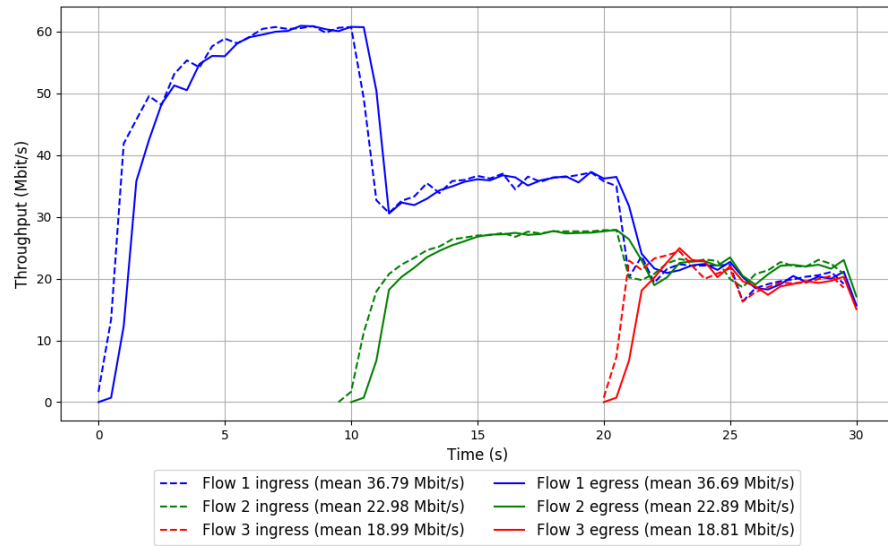


Run 6: Statistics of TCP Cubic

Start at: 2018-07-10 22:17:49
End at: 2018-07-10 22:18:19
Local clock offset: 1.054 ms
Remote clock offset: -1.173 ms

Below is generated by plot.py at 2018-07-11 00:14:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.10 Mbit/s
95th percentile per-packet one-way delay: 101.303 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 36.69 Mbit/s
95th percentile per-packet one-way delay: 85.196 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 22.89 Mbit/s
95th percentile per-packet one-way delay: 102.838 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 18.81 Mbit/s
95th percentile per-packet one-way delay: 118.858 ms
Loss rate: 2.43%

Run 6: Report of TCP Cubic — Data Link

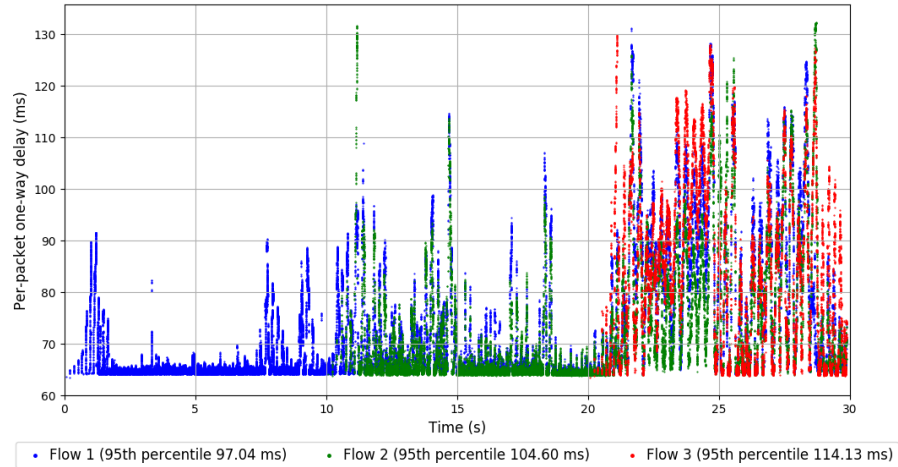
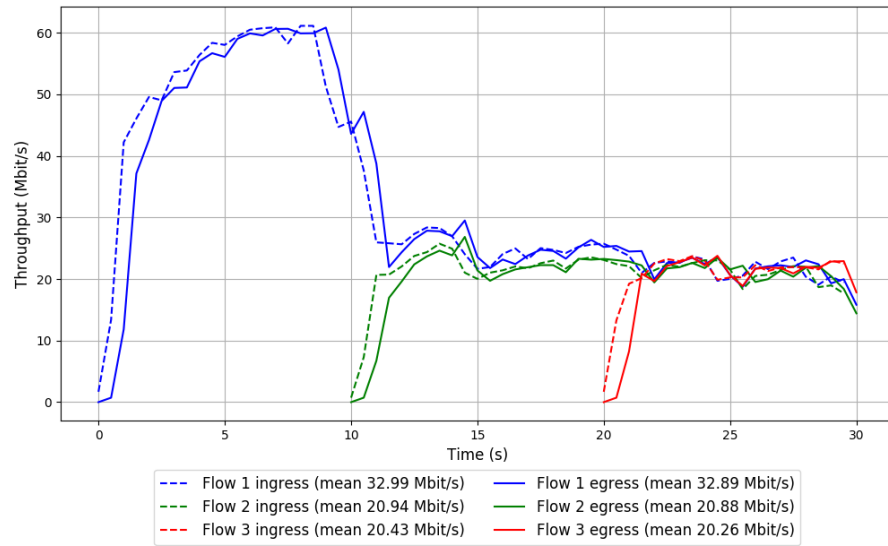


Run 7: Statistics of TCP Cubic

Start at: 2018-07-10 22:41:23
End at: 2018-07-10 22:41:53
Local clock offset: 0.872 ms
Remote clock offset: -1.544 ms

Below is generated by plot.py at 2018-07-11 00:14:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.42 Mbit/s
95th percentile per-packet one-way delay: 104.429 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 32.89 Mbit/s
95th percentile per-packet one-way delay: 97.037 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 20.88 Mbit/s
95th percentile per-packet one-way delay: 104.603 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 20.26 Mbit/s
95th percentile per-packet one-way delay: 114.132 ms
Loss rate: 2.33%

Run 7: Report of TCP Cubic — Data Link

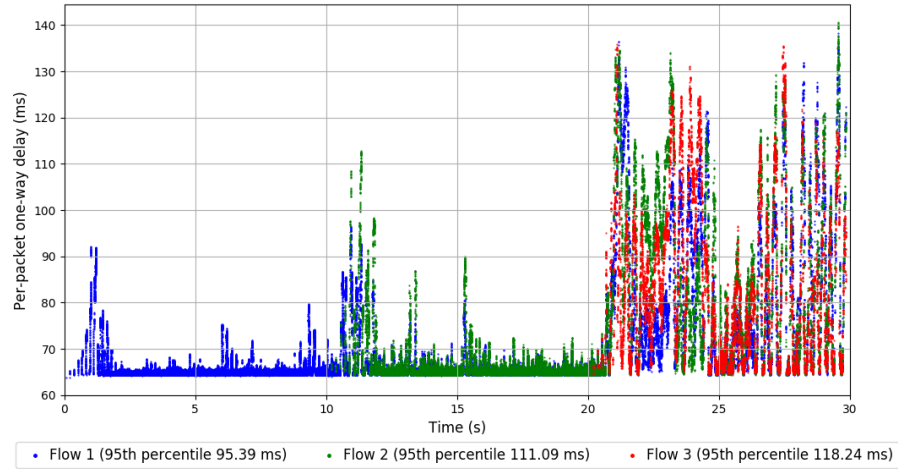
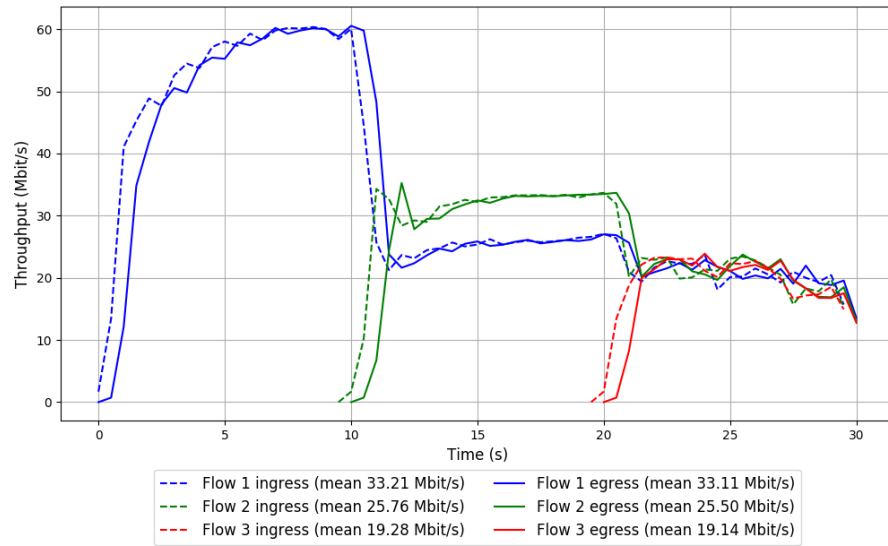


Run 8: Statistics of TCP Cubic

Start at: 2018-07-10 23:05:10
End at: 2018-07-10 23:05:40
Local clock offset: 0.993 ms
Remote clock offset: -0.906 ms

Below is generated by plot.py at 2018-07-11 00:14:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.35 Mbit/s
95th percentile per-packet one-way delay: 107.646 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 33.11 Mbit/s
95th percentile per-packet one-way delay: 95.391 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 25.50 Mbit/s
95th percentile per-packet one-way delay: 111.094 ms
Loss rate: 1.77%
-- Flow 3:
Average throughput: 19.14 Mbit/s
95th percentile per-packet one-way delay: 118.236 ms
Loss rate: 2.21%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-10 23:28:43

End at: 2018-07-10 23:29:13

Local clock offset: 0.506 ms

Remote clock offset: -1.22 ms

Below is generated by plot.py at 2018-07-11 00:14:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.31 Mbit/s

95th percentile per-packet one-way delay: 98.110 ms

Loss rate: 1.22%

-- Flow 1:

Average throughput: 27.31 Mbit/s

95th percentile per-packet one-way delay: 95.108 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 25.60 Mbit/s

95th percentile per-packet one-way delay: 99.126 ms

Loss rate: 1.10%

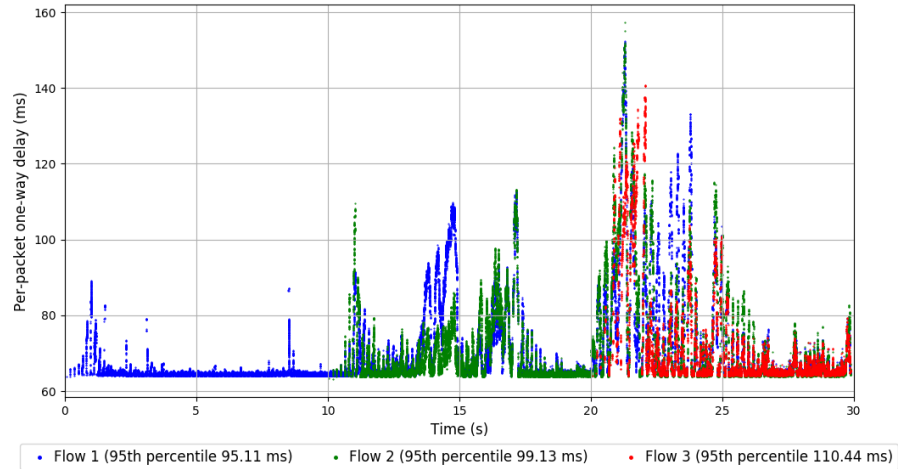
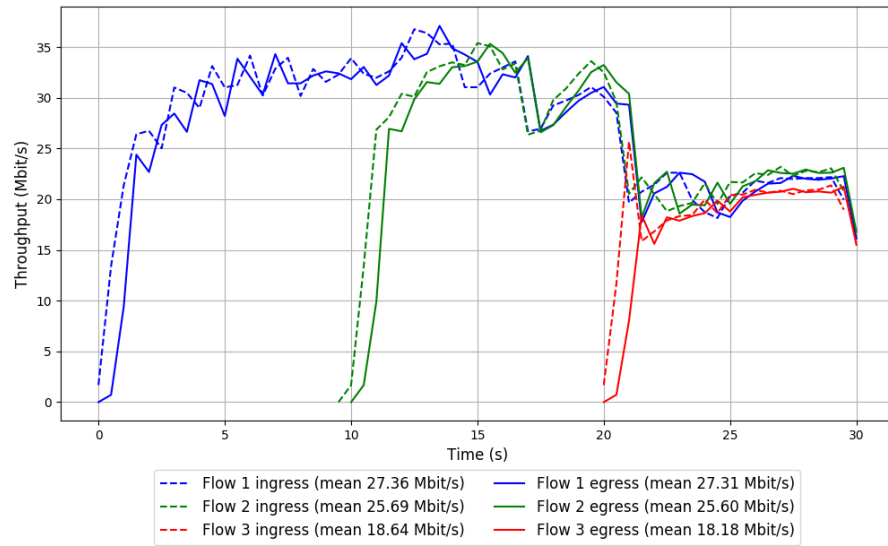
-- Flow 3:

Average throughput: 18.18 Mbit/s

95th percentile per-packet one-way delay: 110.441 ms

Loss rate: 3.92%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-10 23:52:08

End at: 2018-07-10 23:52:38

Local clock offset: 0.595 ms

Remote clock offset: -1.43 ms

Below is generated by plot.py at 2018-07-11 00:14:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 47.92 Mbit/s

95th percentile per-packet one-way delay: 106.359 ms

Loss rate: 1.00%

-- Flow 1:

Average throughput: 27.31 Mbit/s

95th percentile per-packet one-way delay: 99.382 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 21.12 Mbit/s

95th percentile per-packet one-way delay: 100.965 ms

Loss rate: 1.07%

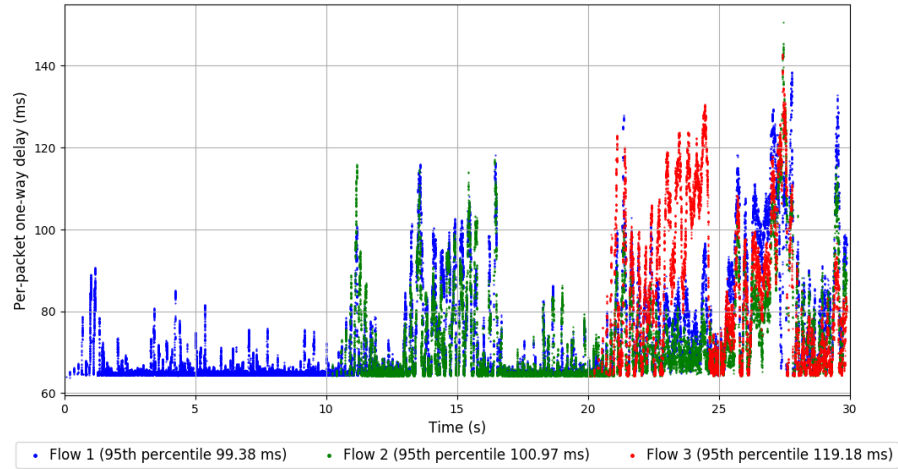
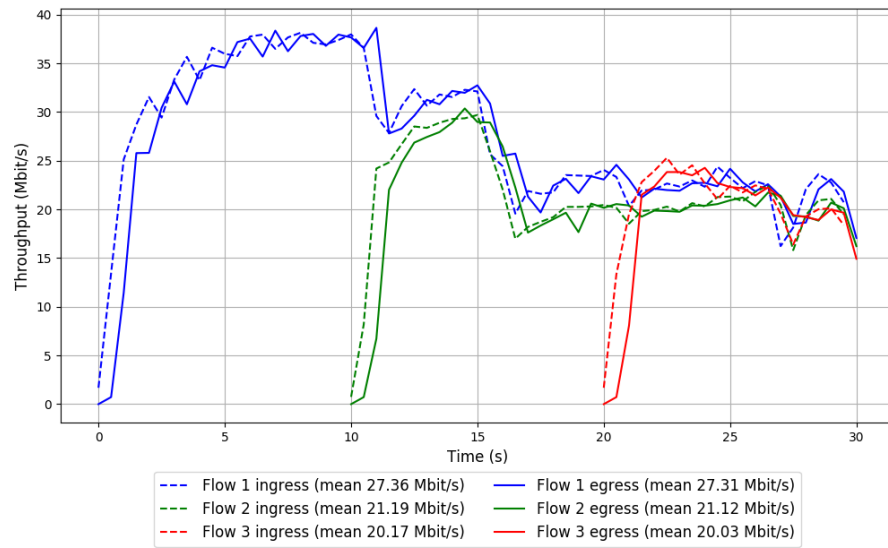
-- Flow 3:

Average throughput: 20.03 Mbit/s

95th percentile per-packet one-way delay: 119.178 ms

Loss rate: 2.16%

Run 10: Report of TCP Cubic — Data Link

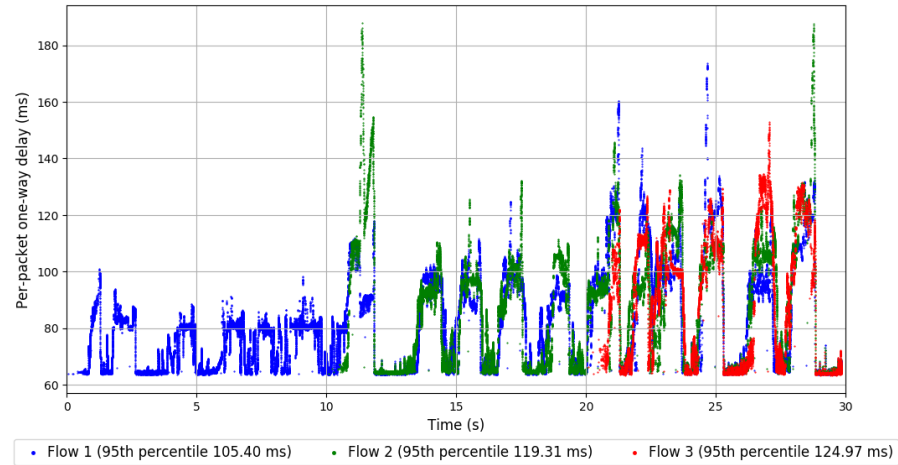
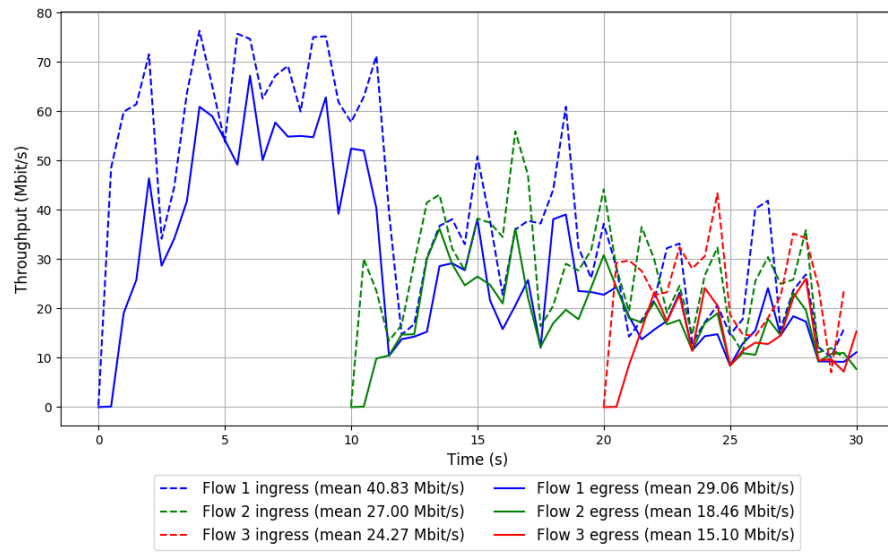


Run 1: Statistics of FillP

Start at: 2018-07-10 20:24:37
End at: 2018-07-10 20:25:07
Local clock offset: 1.054 ms
Remote clock offset: -1.064 ms

Below is generated by plot.py at 2018-07-11 00:14:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.25 Mbit/s
95th percentile per-packet one-way delay: 114.276 ms
Loss rate: 31.12%
-- Flow 1:
Average throughput: 29.06 Mbit/s
95th percentile per-packet one-way delay: 105.400 ms
Loss rate: 29.19%
-- Flow 2:
Average throughput: 18.46 Mbit/s
95th percentile per-packet one-way delay: 119.312 ms
Loss rate: 32.11%
-- Flow 3:
Average throughput: 15.10 Mbit/s
95th percentile per-packet one-way delay: 124.975 ms
Loss rate: 38.75%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-10 20:48:02

End at: 2018-07-10 20:48:32

Local clock offset: 1.062 ms

Remote clock offset: 0.456 ms

Below is generated by plot.py at 2018-07-11 00:15:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.64 Mbit/s

95th percentile per-packet one-way delay: 111.088 ms

Loss rate: 26.31%

-- Flow 1:

Average throughput: 30.31 Mbit/s

95th percentile per-packet one-way delay: 105.873 ms

Loss rate: 24.53%

-- Flow 2:

Average throughput: 21.14 Mbit/s

95th percentile per-packet one-way delay: 112.476 ms

Loss rate: 28.72%

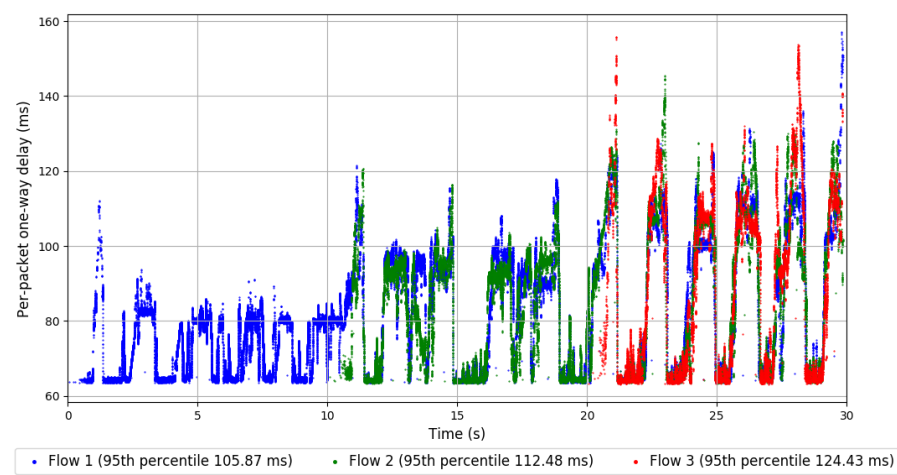
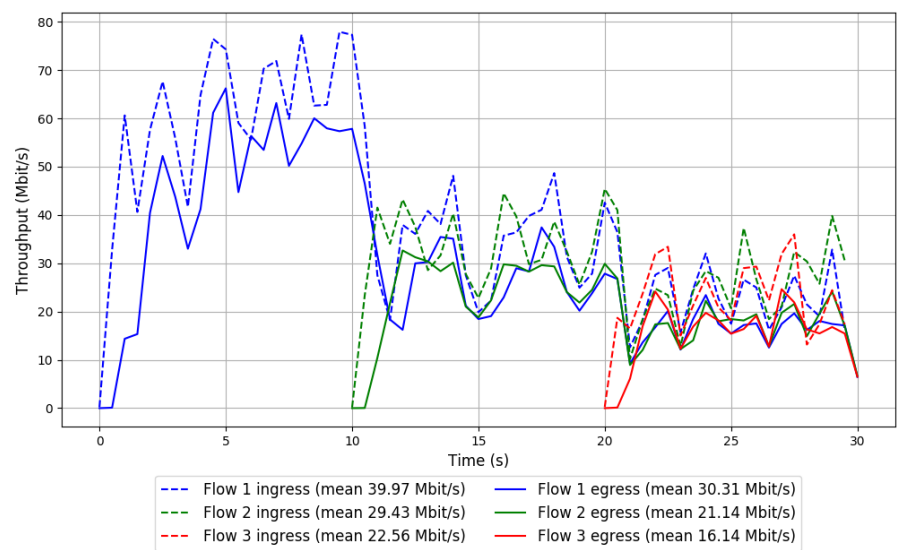
-- Flow 3:

Average throughput: 16.14 Mbit/s

95th percentile per-packet one-way delay: 124.432 ms

Loss rate: 29.52%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-10 21:11:30

End at: 2018-07-10 21:12:00

Local clock offset: 1.176 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2018-07-11 00:15:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.74 Mbit/s

95th percentile per-packet one-way delay: 116.789 ms

Loss rate: 27.24%

-- Flow 1:

Average throughput: 32.02 Mbit/s

95th percentile per-packet one-way delay: 101.649 ms

Loss rate: 24.79%

-- Flow 2:

Average throughput: 18.87 Mbit/s

95th percentile per-packet one-way delay: 119.870 ms

Loss rate: 28.48%

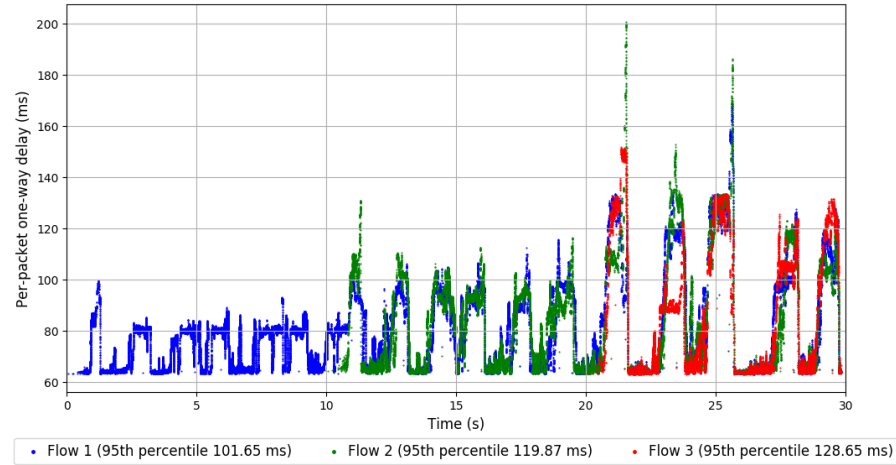
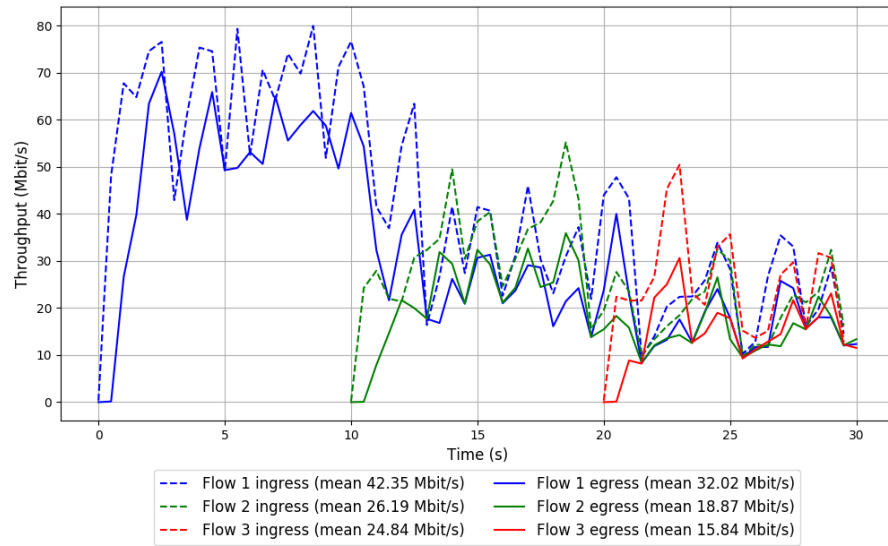
-- Flow 3:

Average throughput: 15.84 Mbit/s

95th percentile per-packet one-way delay: 128.654 ms

Loss rate: 37.20%

Run 3: Report of FillP — Data Link

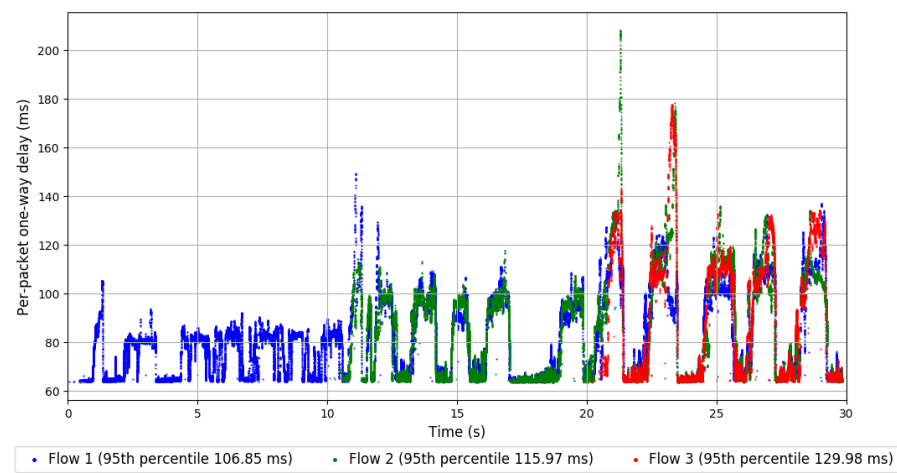
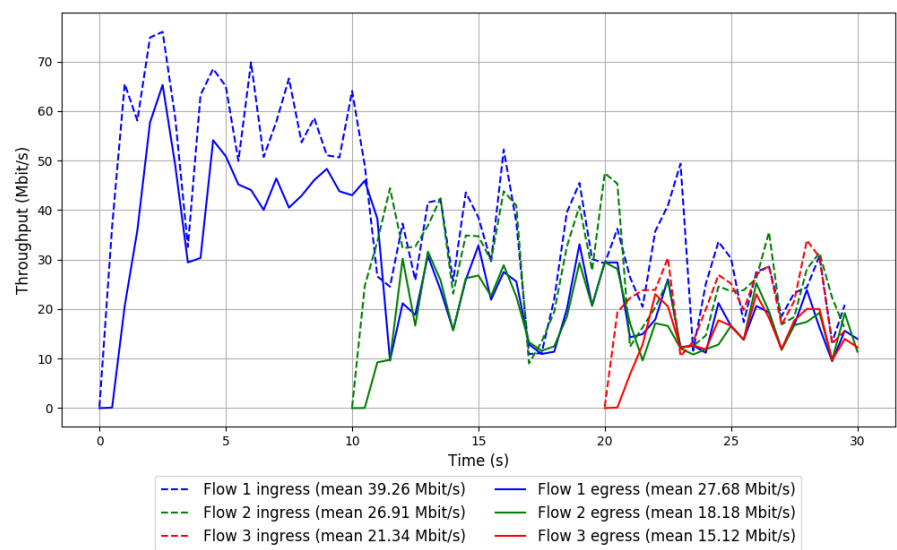


Run 4: Statistics of FillP

Start at: 2018-07-10 21:34:58
End at: 2018-07-10 21:35:28
Local clock offset: 1.137 ms
Remote clock offset: -0.217 ms

Below is generated by plot.py at 2018-07-11 00:15:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.70 Mbit/s
95th percentile per-packet one-way delay: 113.410 ms
Loss rate: 30.75%
-- Flow 1:
Average throughput: 27.68 Mbit/s
95th percentile per-packet one-way delay: 106.851 ms
Loss rate: 29.84%
-- Flow 2:
Average throughput: 18.18 Mbit/s
95th percentile per-packet one-way delay: 115.971 ms
Loss rate: 32.96%
-- Flow 3:
Average throughput: 15.12 Mbit/s
95th percentile per-packet one-way delay: 129.984 ms
Loss rate: 30.24%

Run 4: Report of FillP — Data Link

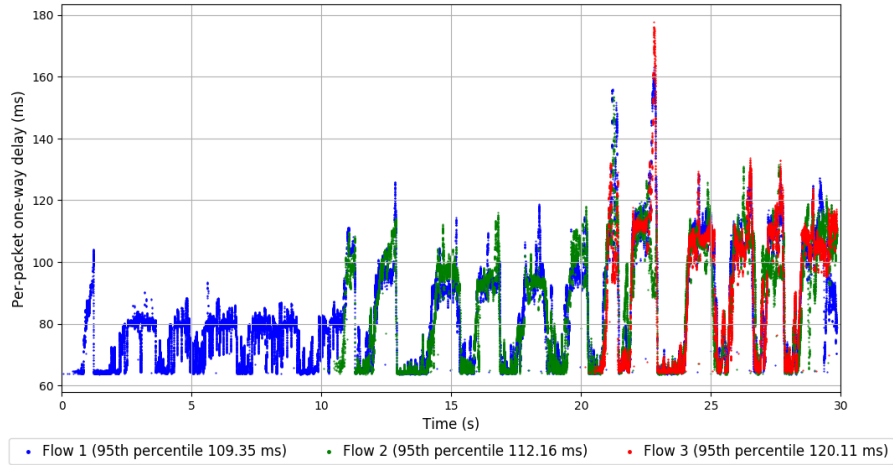
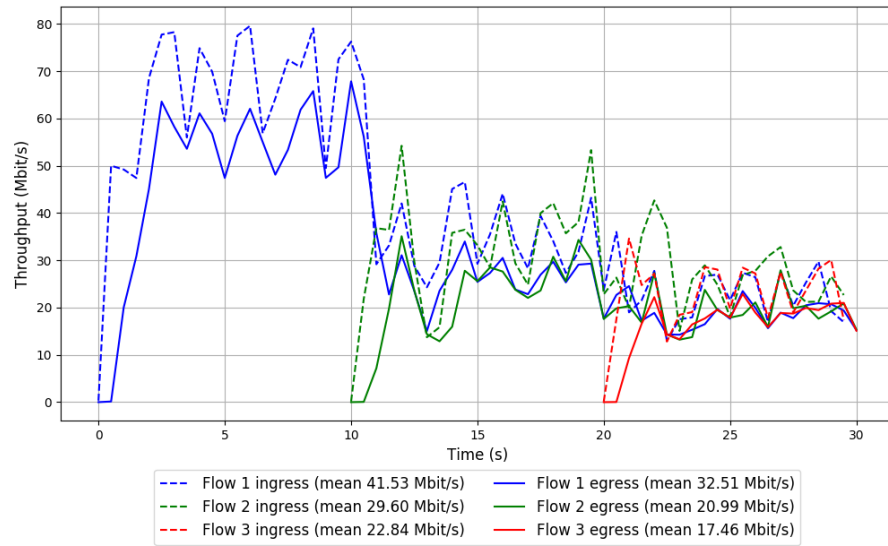


Run 5: Statistics of FillP

Start at: 2018-07-10 21:58:31
End at: 2018-07-10 21:59:01
Local clock offset: 1.196 ms
Remote clock offset: -0.818 ms

Below is generated by plot.py at 2018-07-11 00:15:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.12 Mbit/s
95th percentile per-packet one-way delay: 111.764 ms
Loss rate: 24.56%
-- Flow 1:
Average throughput: 32.51 Mbit/s
95th percentile per-packet one-way delay: 109.348 ms
Loss rate: 22.12%
-- Flow 2:
Average throughput: 20.99 Mbit/s
95th percentile per-packet one-way delay: 112.159 ms
Loss rate: 29.63%
-- Flow 3:
Average throughput: 17.46 Mbit/s
95th percentile per-packet one-way delay: 120.107 ms
Loss rate: 24.73%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-10 22:21:57

End at: 2018-07-10 22:22:27

Local clock offset: 1.042 ms

Remote clock offset: -1.3 ms

Below is generated by plot.py at 2018-07-11 00:15:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.27 Mbit/s

95th percentile per-packet one-way delay: 115.972 ms

Loss rate: 26.69%

-- Flow 1:

Average throughput: 29.84 Mbit/s

95th percentile per-packet one-way delay: 110.024 ms

Loss rate: 24.78%

-- Flow 2:

Average throughput: 19.49 Mbit/s

95th percentile per-packet one-way delay: 120.085 ms

Loss rate: 29.68%

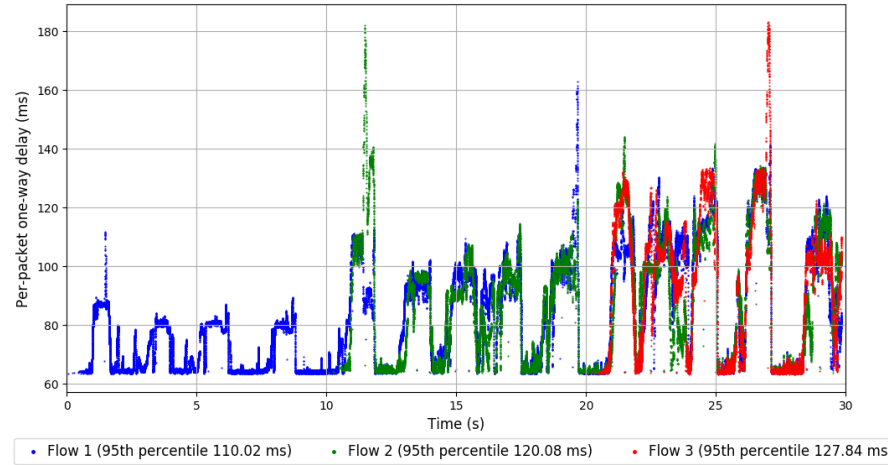
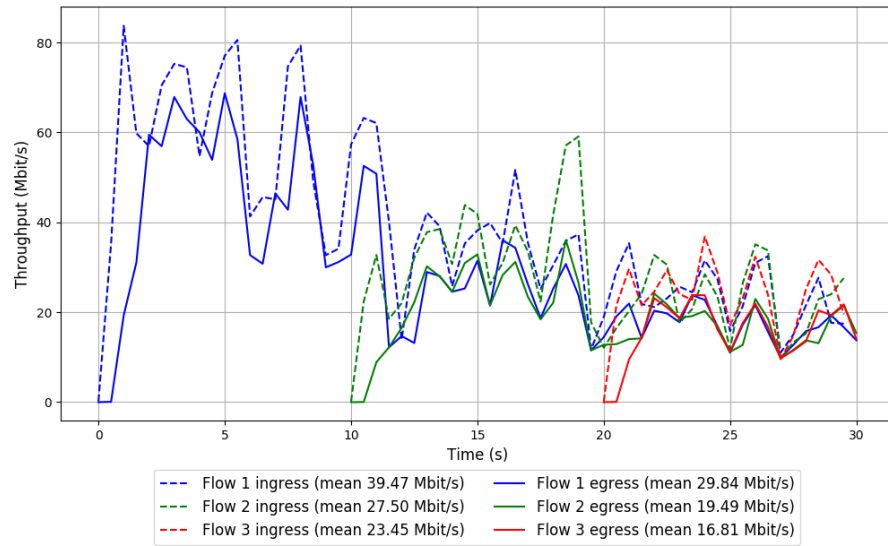
-- Flow 3:

Average throughput: 16.81 Mbit/s

95th percentile per-packet one-way delay: 127.842 ms

Loss rate: 29.36%

Run 6: Report of FillP — Data Link

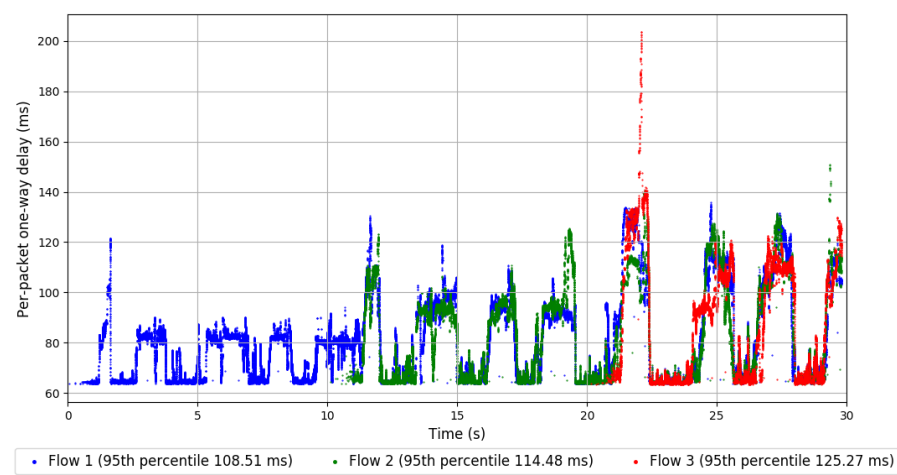
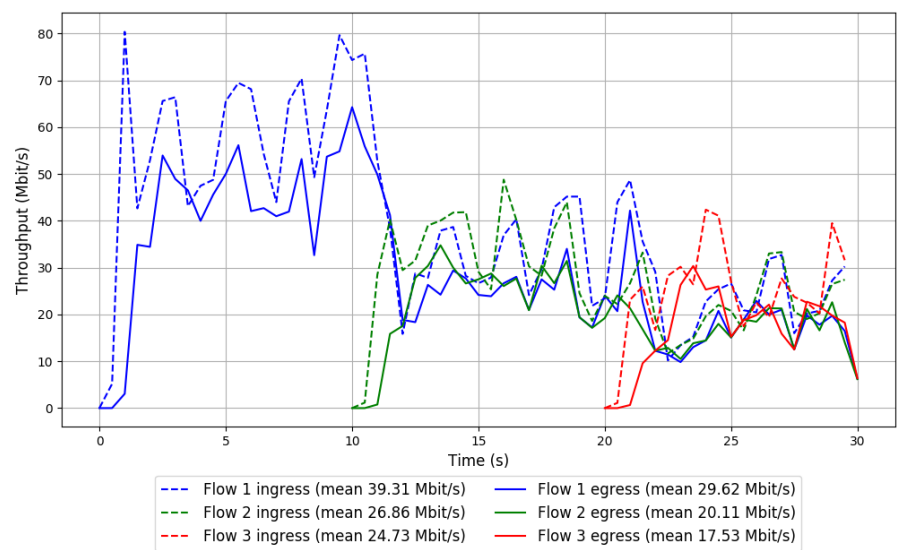


Run 7: Statistics of FillP

Start at: 2018-07-10 22:45:32
End at: 2018-07-10 22:46:02
Local clock offset: 0.963 ms
Remote clock offset: -1.383 ms

Below is generated by plot.py at 2018-07-11 00:15:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.61 Mbit/s
95th percentile per-packet one-way delay: 112.827 ms
Loss rate: 26.13%
-- Flow 1:
Average throughput: 29.62 Mbit/s
95th percentile per-packet one-way delay: 108.508 ms
Loss rate: 25.27%
-- Flow 2:
Average throughput: 20.11 Mbit/s
95th percentile per-packet one-way delay: 114.482 ms
Loss rate: 26.00%
-- Flow 3:
Average throughput: 17.53 Mbit/s
95th percentile per-packet one-way delay: 125.265 ms
Loss rate: 30.55%

Run 7: Report of FillP — Data Link

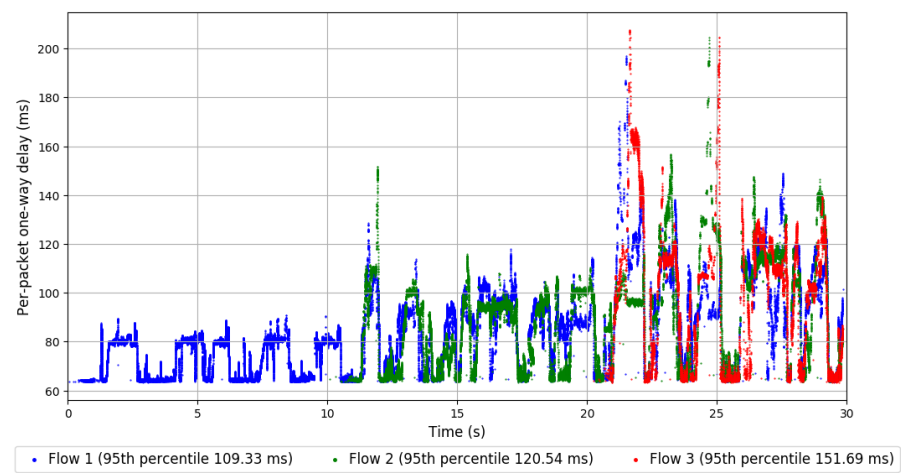
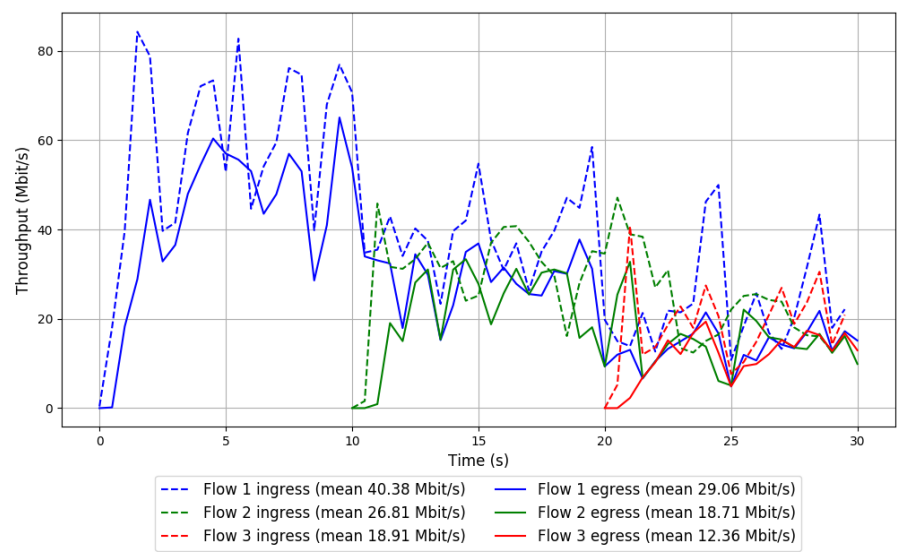


Run 8: Statistics of FillP

Start at: 2018-07-10 23:09:20
End at: 2018-07-10 23:09:50
Local clock offset: 0.727 ms
Remote clock offset: -0.992 ms

Below is generated by plot.py at 2018-07-11 00:15:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.44 Mbit/s
95th percentile per-packet one-way delay: 117.161 ms
Loss rate: 29.72%
-- Flow 1:
Average throughput: 29.06 Mbit/s
95th percentile per-packet one-way delay: 109.331 ms
Loss rate: 28.38%
-- Flow 2:
Average throughput: 18.71 Mbit/s
95th percentile per-packet one-way delay: 120.537 ms
Loss rate: 30.73%
-- Flow 3:
Average throughput: 12.36 Mbit/s
95th percentile per-packet one-way delay: 151.690 ms
Loss rate: 35.64%

Run 8: Report of FillP — Data Link

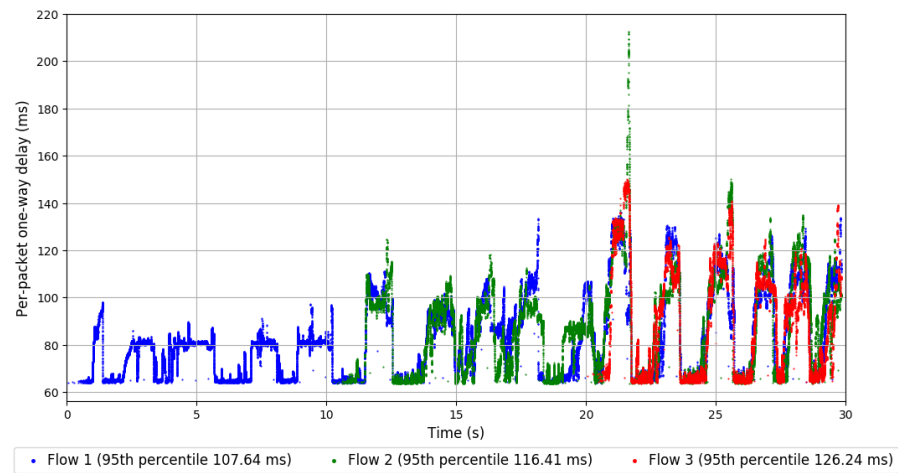
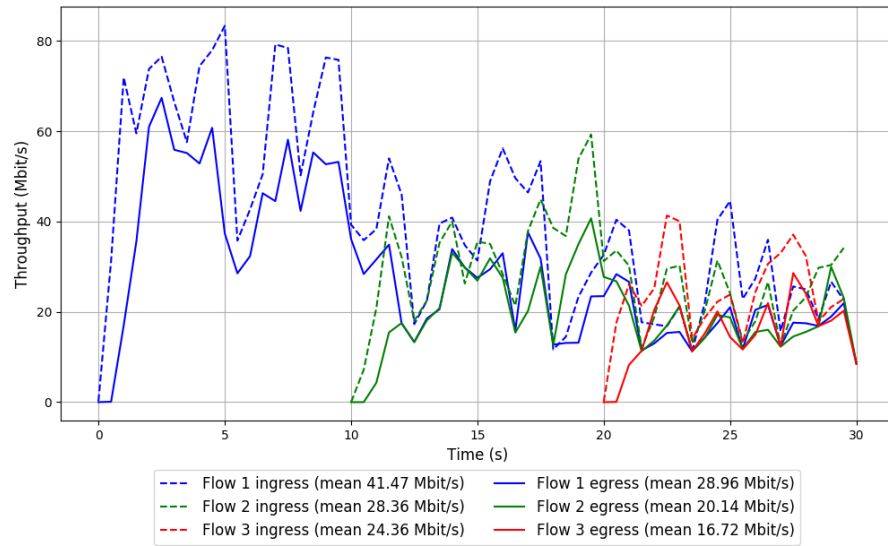


Run 9: Statistics of FillP

Start at: 2018-07-10 23:32:51
End at: 2018-07-10 23:33:21
Local clock offset: 0.718 ms
Remote clock offset: -1.395 ms

Below is generated by plot.py at 2018-07-11 00:15:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.67 Mbit/s
95th percentile per-packet one-way delay: 113.860 ms
Loss rate: 30.47%
-- Flow 1:
Average throughput: 28.96 Mbit/s
95th percentile per-packet one-way delay: 107.644 ms
Loss rate: 30.51%
-- Flow 2:
Average throughput: 20.14 Mbit/s
95th percentile per-packet one-way delay: 116.405 ms
Loss rate: 29.53%
-- Flow 3:
Average throughput: 16.72 Mbit/s
95th percentile per-packet one-way delay: 126.240 ms
Loss rate: 32.48%

Run 9: Report of FillP — Data Link

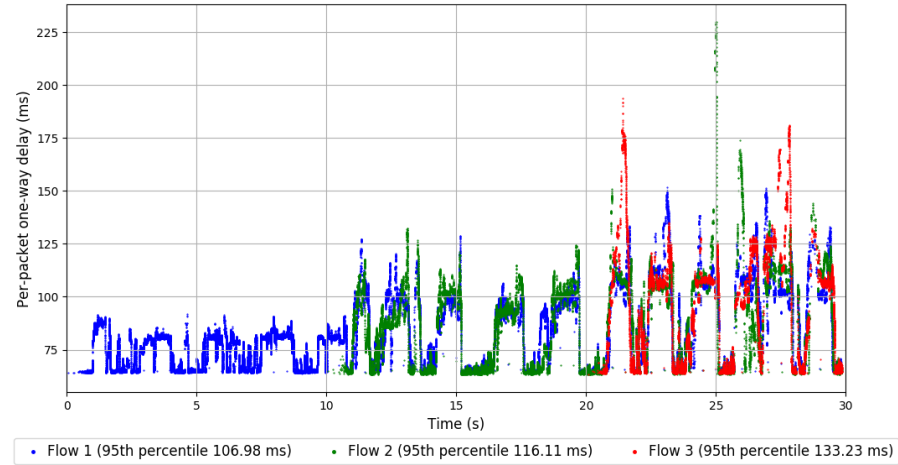
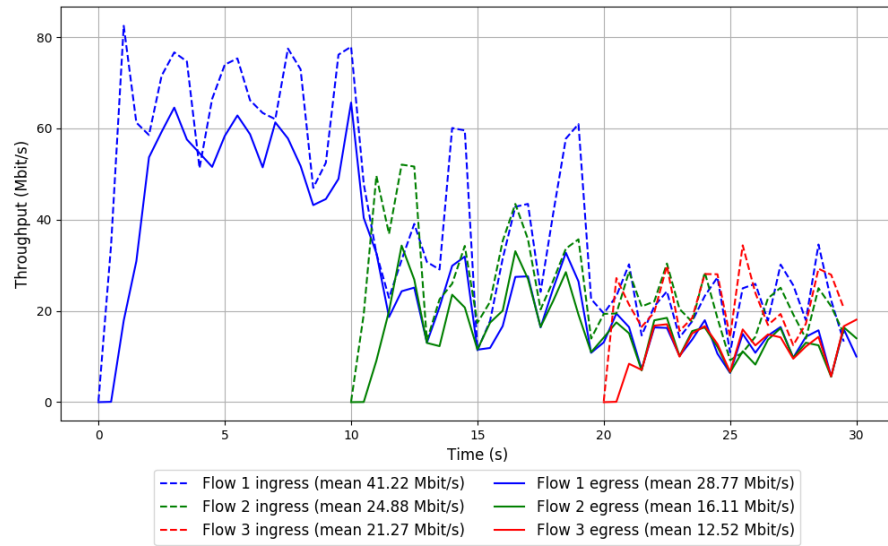


Run 10: Statistics of FillP

Start at: 2018-07-10 23:56:18
End at: 2018-07-10 23:56:48
Local clock offset: 0.448 ms
Remote clock offset: -1.229 ms

Below is generated by plot.py at 2018-07-11 00:15:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 43.56 Mbit/s
95th percentile per-packet one-way delay: 113.721 ms
Loss rate: 33.13%
-- Flow 1:
Average throughput: 28.77 Mbit/s
95th percentile per-packet one-way delay: 106.977 ms
Loss rate: 30.56%
-- Flow 2:
Average throughput: 16.11 Mbit/s
95th percentile per-packet one-way delay: 116.105 ms
Loss rate: 35.74%
-- Flow 3:
Average throughput: 12.52 Mbit/s
95th percentile per-packet one-way delay: 133.231 ms
Loss rate: 42.02%

Run 10: Report of FillP — Data Link

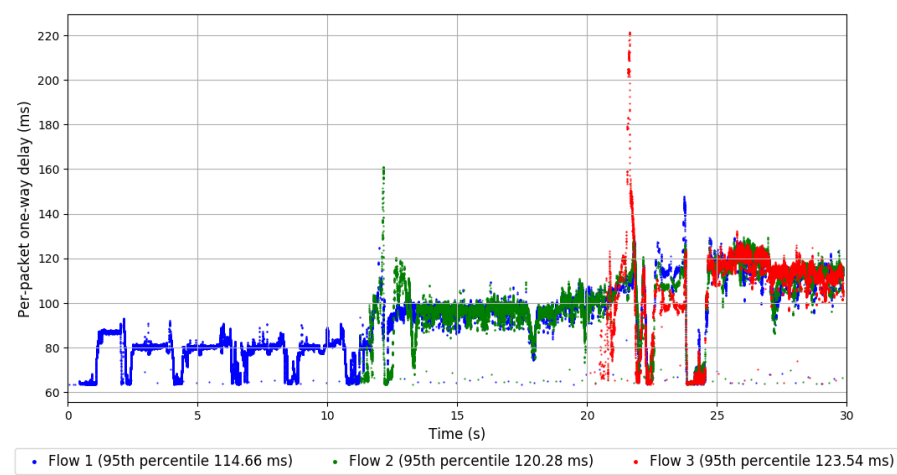
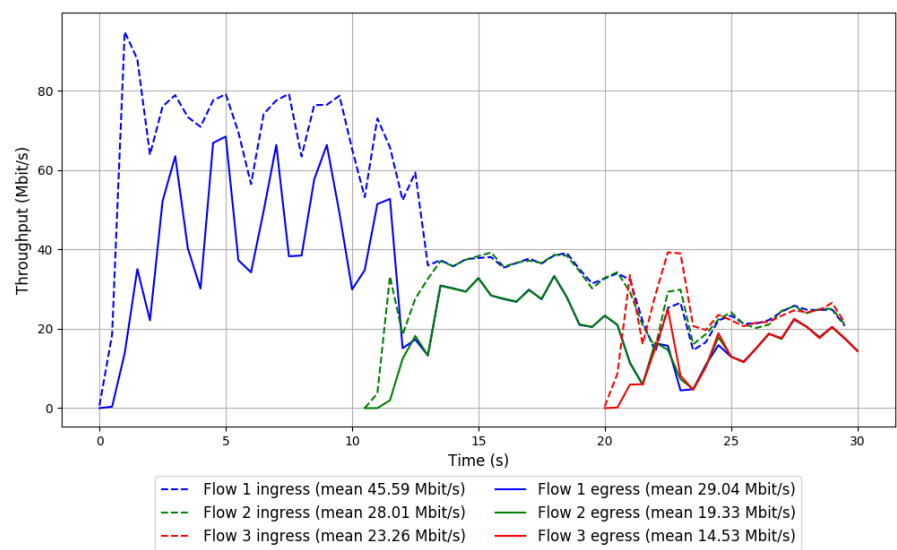


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-10 20:16:09
End at: 2018-07-10 20:16:39
Local clock offset: 1.004 ms
Remote clock offset: -1.087 ms

Below is generated by plot.py at 2018-07-11 00:15:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.12 Mbit/s
95th percentile per-packet one-way delay: 118.946 ms
Loss rate: 35.53%
-- Flow 1:
Average throughput: 29.04 Mbit/s
95th percentile per-packet one-way delay: 114.662 ms
Loss rate: 36.61%
-- Flow 2:
Average throughput: 19.33 Mbit/s
95th percentile per-packet one-way delay: 120.278 ms
Loss rate: 31.50%
-- Flow 3:
Average throughput: 14.53 Mbit/s
95th percentile per-packet one-way delay: 123.539 ms
Loss rate: 38.49%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-10 20:39:40

End at: 2018-07-10 20:40:10

Local clock offset: 1.269 ms

Remote clock offset: 0.109 ms

Below is generated by plot.py at 2018-07-11 00:15:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.86 Mbit/s

95th percentile per-packet one-way delay: 116.706 ms

Loss rate: 34.08%

-- Flow 1:

Average throughput: 29.60 Mbit/s

95th percentile per-packet one-way delay: 114.695 ms

Loss rate: 34.86%

-- Flow 2:

Average throughput: 20.87 Mbit/s

95th percentile per-packet one-way delay: 117.162 ms

Loss rate: 33.34%

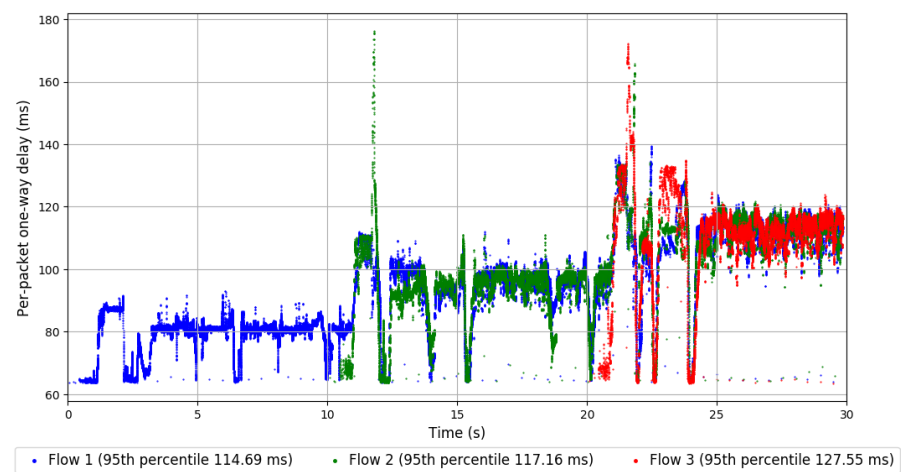
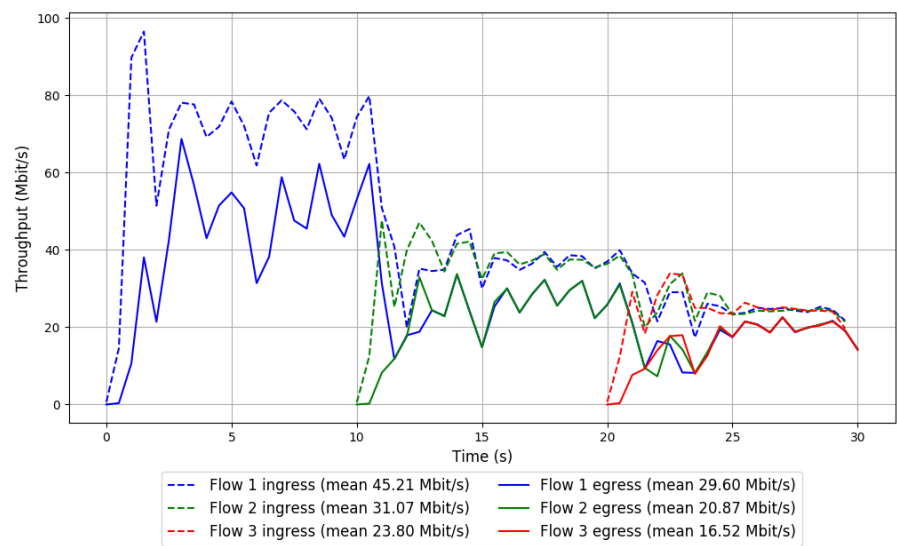
-- Flow 3:

Average throughput: 16.52 Mbit/s

95th percentile per-packet one-way delay: 127.545 ms

Loss rate: 31.57%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-10 21:03:05

End at: 2018-07-10 21:03:35

Local clock offset: 1.402 ms

Remote clock offset: 0.61 ms

Below is generated by plot.py at 2018-07-11 00:16:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.27 Mbit/s

95th percentile per-packet one-way delay: 115.996 ms

Loss rate: 30.60%

-- Flow 1:

Average throughput: 31.27 Mbit/s

95th percentile per-packet one-way delay: 115.211 ms

Loss rate: 30.19%

-- Flow 2:

Average throughput: 21.61 Mbit/s

95th percentile per-packet one-way delay: 115.455 ms

Loss rate: 32.41%

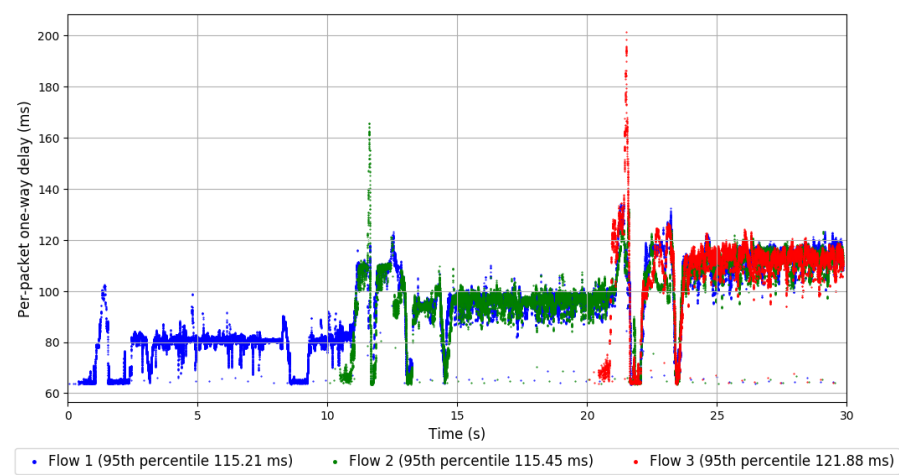
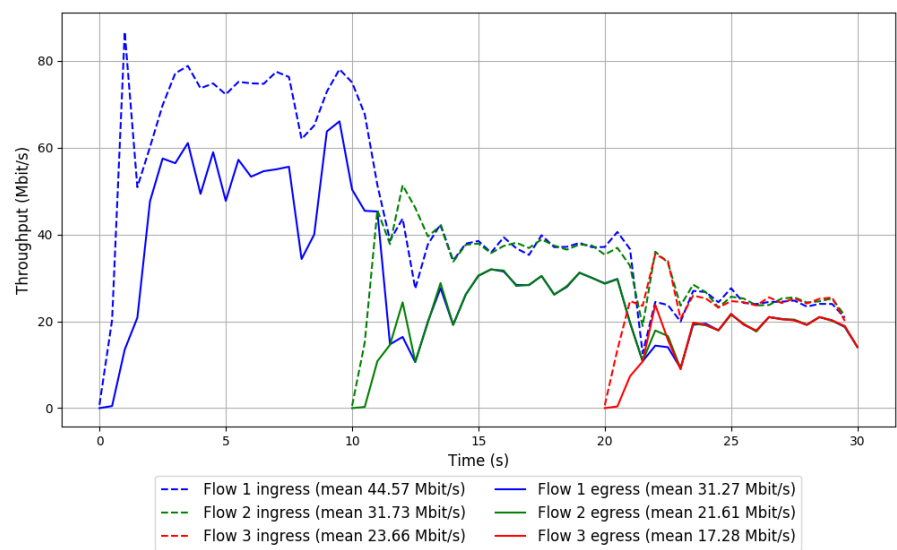
-- Flow 3:

Average throughput: 17.28 Mbit/s

95th percentile per-packet one-way delay: 121.881 ms

Loss rate: 28.05%

Run 3: Report of FillP-Sheep — Data Link

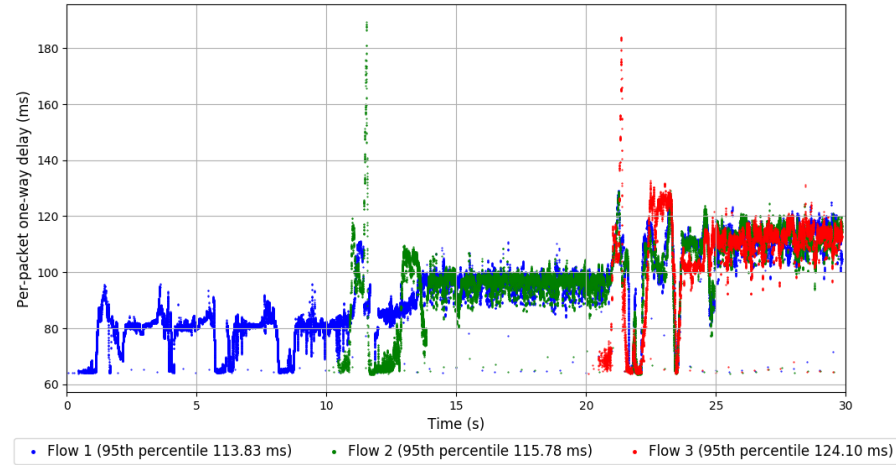
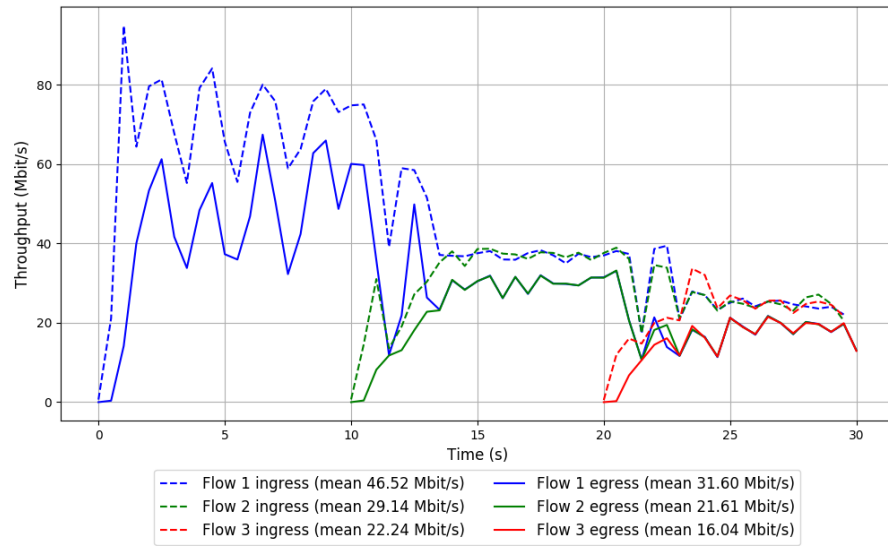


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-10 21:26:35
End at: 2018-07-10 21:27:05
Local clock offset: 1.348 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-07-11 00:16:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.20 Mbit/s
95th percentile per-packet one-way delay: 115.476 ms
Loss rate: 30.47%
-- Flow 1:
Average throughput: 31.60 Mbit/s
95th percentile per-packet one-way delay: 113.828 ms
Loss rate: 32.42%
-- Flow 2:
Average throughput: 21.61 Mbit/s
95th percentile per-packet one-way delay: 115.776 ms
Loss rate: 26.39%
-- Flow 3:
Average throughput: 16.04 Mbit/s
95th percentile per-packet one-way delay: 124.097 ms
Loss rate: 28.91%

Run 4: Report of FillP-Sheep — Data Link

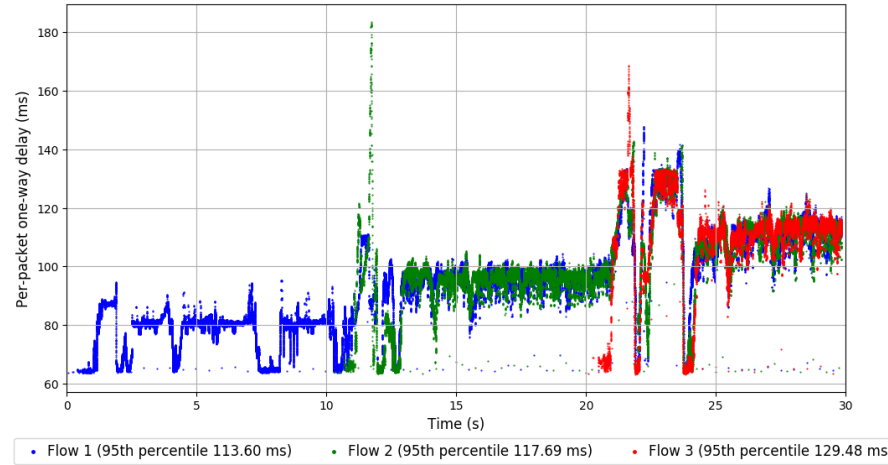
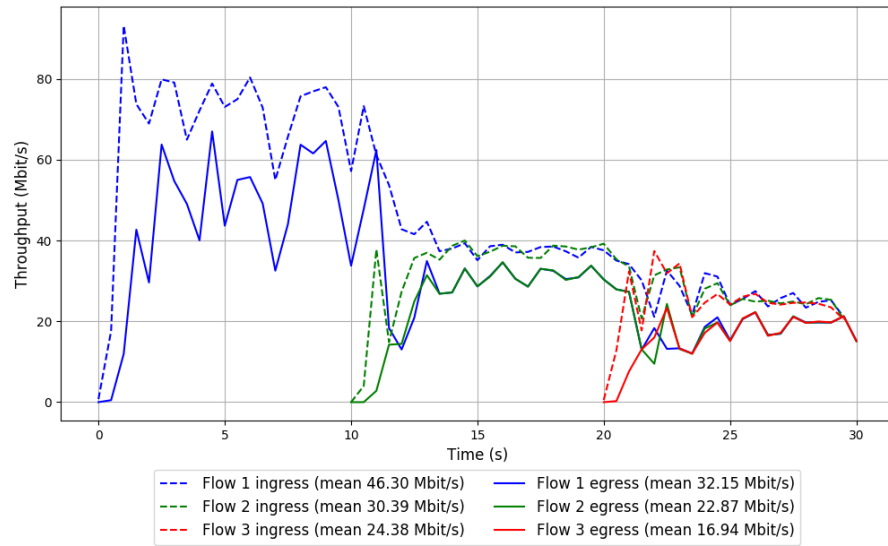


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-10 21:50:03
End at: 2018-07-10 21:50:33
Local clock offset: 1.007 ms
Remote clock offset: -0.698 ms

Below is generated by plot.py at 2018-07-11 00:16:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.69 Mbit/s
95th percentile per-packet one-way delay: 116.543 ms
Loss rate: 29.46%
-- Flow 1:
Average throughput: 32.15 Mbit/s
95th percentile per-packet one-way delay: 113.598 ms
Loss rate: 30.88%
-- Flow 2:
Average throughput: 22.87 Mbit/s
95th percentile per-packet one-way delay: 117.694 ms
Loss rate: 25.32%
-- Flow 3:
Average throughput: 16.94 Mbit/s
95th percentile per-packet one-way delay: 129.478 ms
Loss rate: 31.50%

Run 5: Report of FillP-Sheep — Data Link

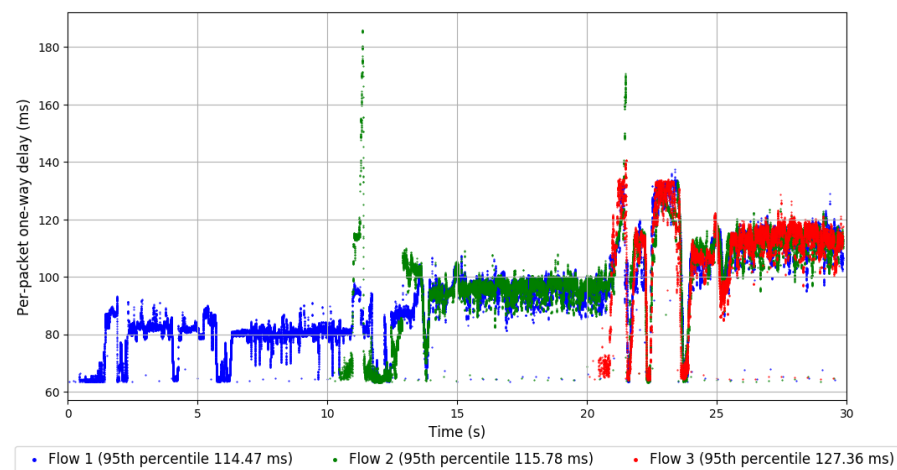
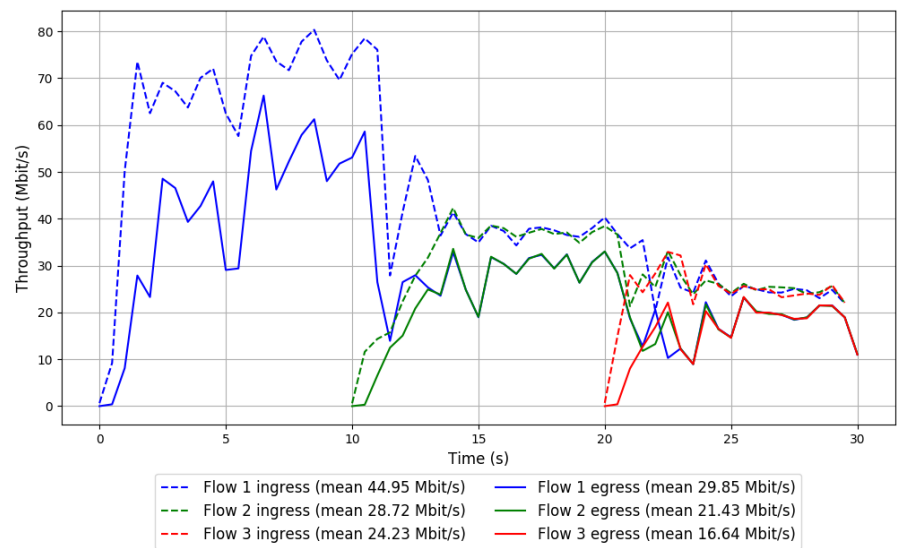


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-10 22:13:35
End at: 2018-07-10 22:14:05
Local clock offset: 1.176 ms
Remote clock offset: -1.066 ms

Below is generated by plot.py at 2018-07-11 00:16:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.53 Mbit/s
95th percentile per-packet one-way delay: 116.385 ms
Loss rate: 31.62%
-- Flow 1:
Average throughput: 29.85 Mbit/s
95th percentile per-packet one-way delay: 114.474 ms
Loss rate: 33.91%
-- Flow 2:
Average throughput: 21.43 Mbit/s
95th percentile per-packet one-way delay: 115.779 ms
Loss rate: 25.94%
-- Flow 3:
Average throughput: 16.64 Mbit/s
95th percentile per-packet one-way delay: 127.360 ms
Loss rate: 32.31%

Run 6: Report of FillP-Sheep — Data Link

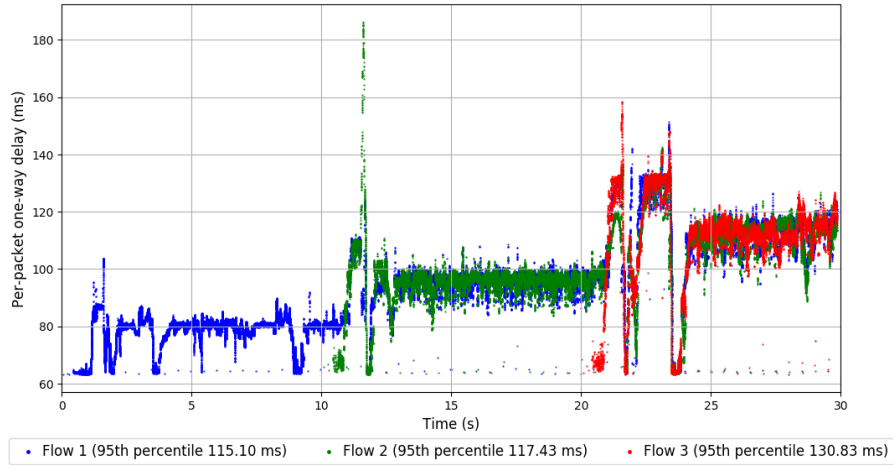
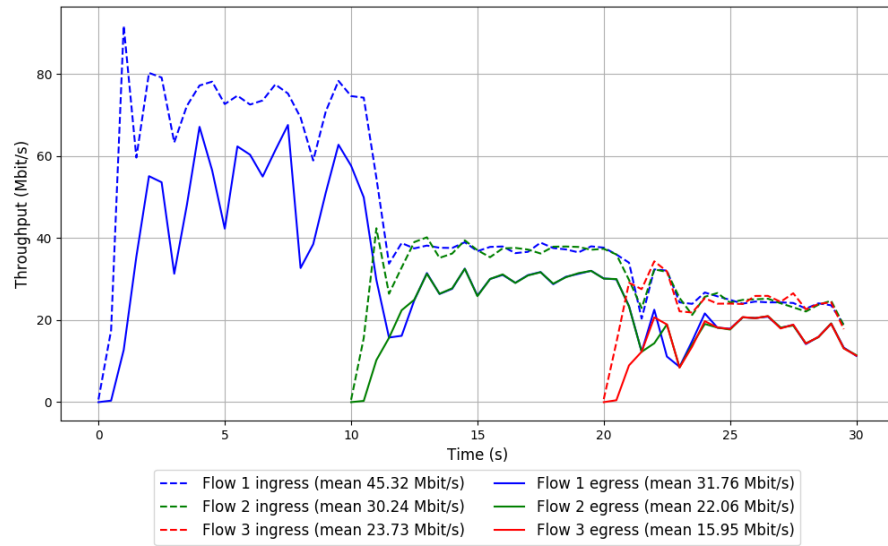


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-10 22:37:08
End at: 2018-07-10 22:37:38
Local clock offset: 0.964 ms
Remote clock offset: -1.409 ms

Below is generated by plot.py at 2018-07-11 00:16:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.63 Mbit/s
95th percentile per-packet one-way delay: 117.484 ms
Loss rate: 29.91%
-- Flow 1:
Average throughput: 31.76 Mbit/s
95th percentile per-packet one-way delay: 115.102 ms
Loss rate: 30.27%
-- Flow 2:
Average throughput: 22.06 Mbit/s
95th percentile per-packet one-way delay: 117.426 ms
Loss rate: 27.60%
-- Flow 3:
Average throughput: 15.95 Mbit/s
95th percentile per-packet one-way delay: 130.826 ms
Loss rate: 33.77%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-10 23:00:47

End at: 2018-07-10 23:01:17

Local clock offset: 0.82 ms

Remote clock offset: -0.92 ms

Below is generated by plot.py at 2018-07-11 00:16:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.27 Mbit/s

95th percentile per-packet one-way delay: 114.376 ms

Loss rate: 28.50%

-- Flow 1:

Average throughput: 32.61 Mbit/s

95th percentile per-packet one-way delay: 113.049 ms

Loss rate: 30.35%

-- Flow 2:

Average throughput: 22.37 Mbit/s

95th percentile per-packet one-way delay: 114.624 ms

Loss rate: 25.41%

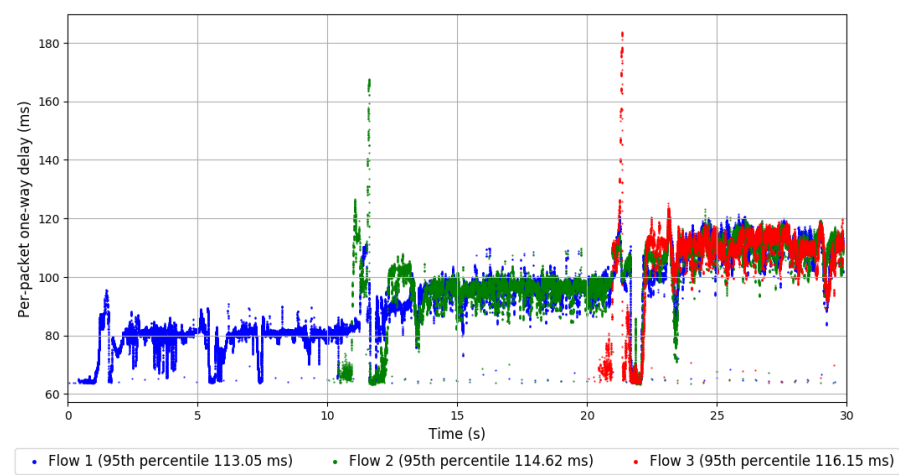
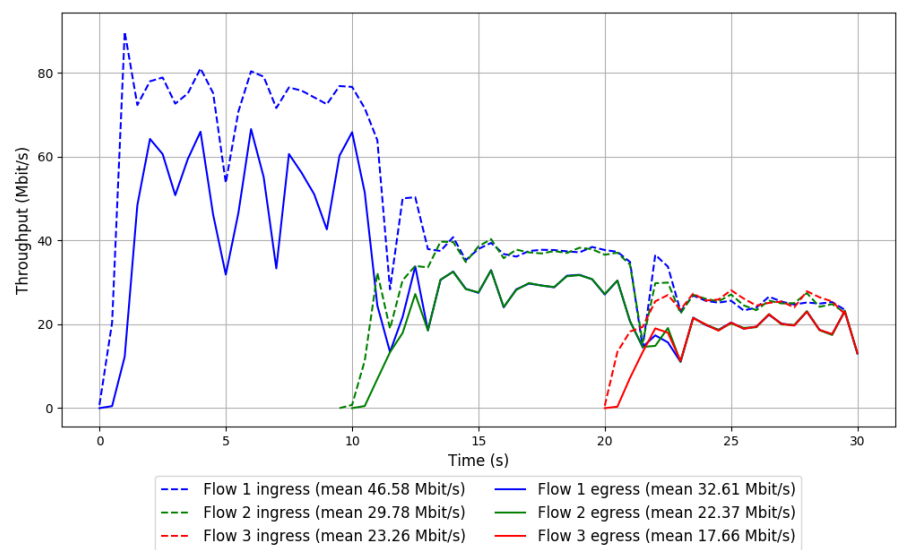
-- Flow 3:

Average throughput: 17.66 Mbit/s

95th percentile per-packet one-way delay: 116.150 ms

Loss rate: 25.21%

Run 8: Report of FillP-Sheep — Data Link

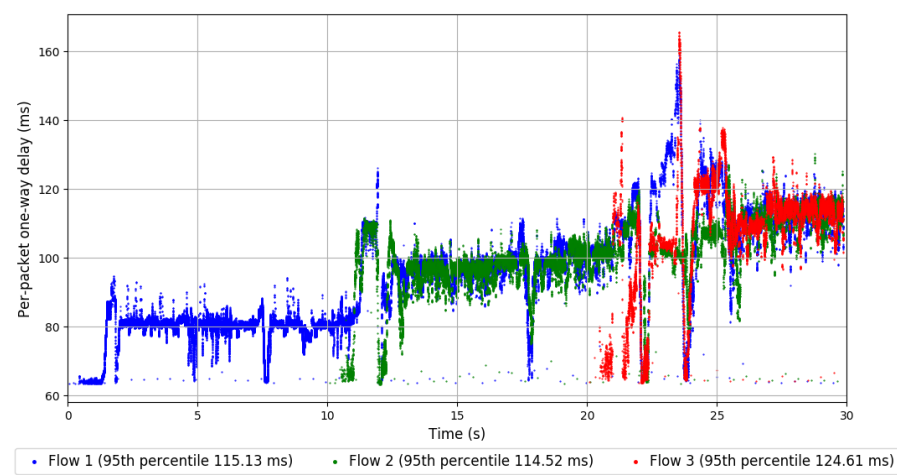
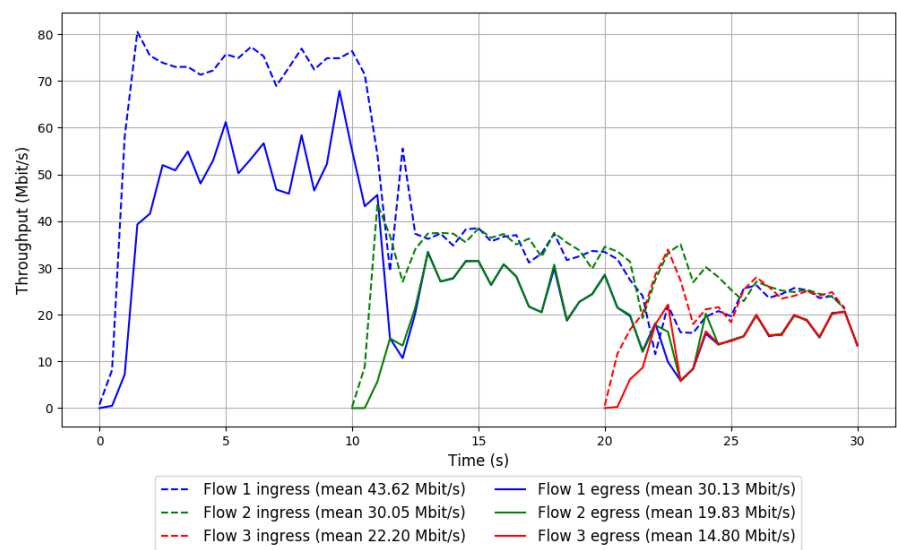


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-10 23:24:29
End at: 2018-07-10 23:24:59
Local clock offset: 0.669 ms
Remote clock offset: -1.261 ms

Below is generated by plot.py at 2018-07-11 00:16:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.13 Mbit/s
95th percentile per-packet one-way delay: 116.233 ms
Loss rate: 32.50%
-- Flow 1:
Average throughput: 30.13 Mbit/s
95th percentile per-packet one-way delay: 115.126 ms
Loss rate: 31.28%
-- Flow 2:
Average throughput: 19.83 Mbit/s
95th percentile per-packet one-way delay: 114.517 ms
Loss rate: 34.48%
-- Flow 3:
Average throughput: 14.80 Mbit/s
95th percentile per-packet one-way delay: 124.611 ms
Loss rate: 34.35%

Run 9: Report of FillP-Sheep — Data Link

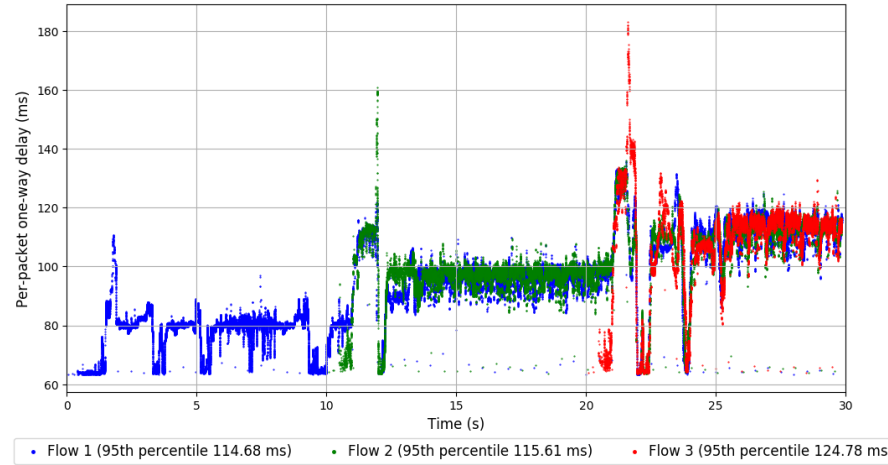
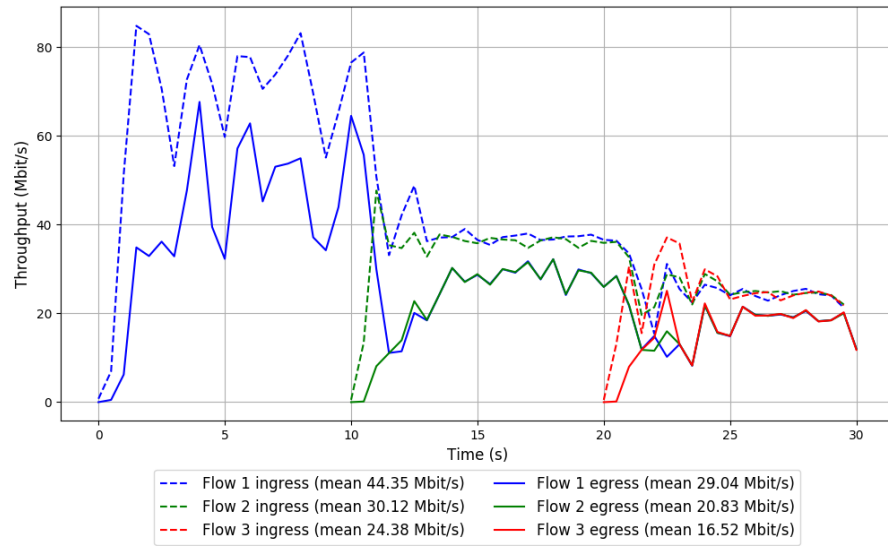


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-10 23:47:55
End at: 2018-07-10 23:48:25
Local clock offset: 0.499 ms
Remote clock offset: -1.484 ms

Below is generated by plot.py at 2018-07-11 00:16:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.27 Mbit/s
95th percentile per-packet one-way delay: 116.183 ms
Loss rate: 33.71%
-- Flow 1:
Average throughput: 29.04 Mbit/s
95th percentile per-packet one-way delay: 114.677 ms
Loss rate: 34.84%
-- Flow 2:
Average throughput: 20.83 Mbit/s
95th percentile per-packet one-way delay: 115.610 ms
Loss rate: 31.38%
-- Flow 3:
Average throughput: 16.52 Mbit/s
95th percentile per-packet one-way delay: 124.775 ms
Loss rate: 33.27%

Run 10: Report of FillP-Sheep — Data Link

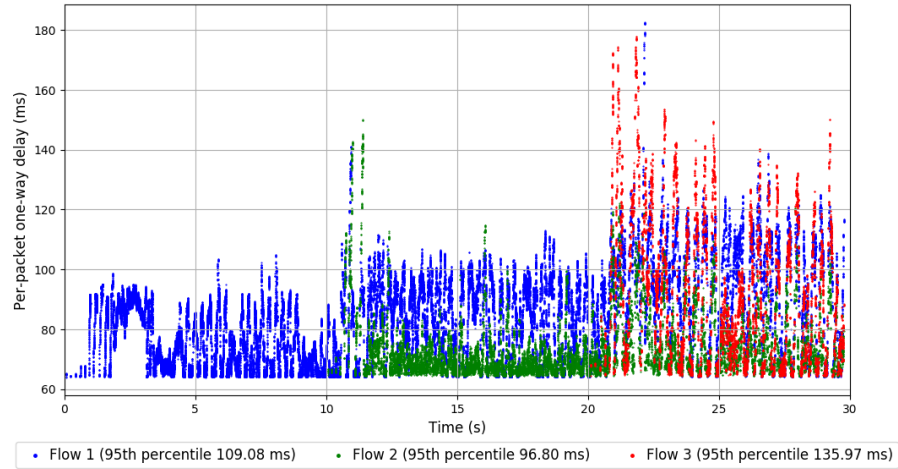
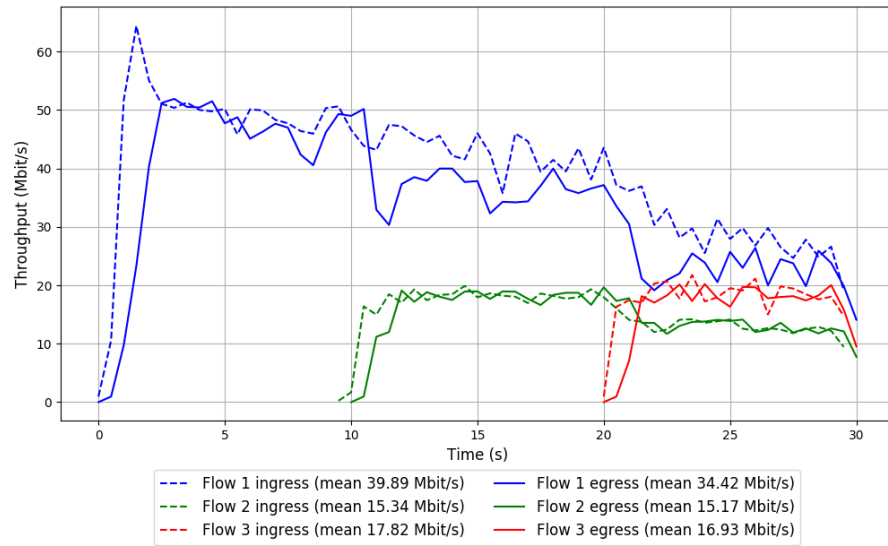


```
Run 1: Statistics of Indigo

Start at: 2018-07-10 20:35:31
End at: 2018-07-10 20:36:01
Local clock offset: 1.098 ms
Remote clock offset: -0.16 ms

# Below is generated by plot.py at 2018-07-11 00:16:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.00 Mbit/s
95th percentile per-packet one-way delay: 112.359 ms
Loss rate: 11.08%
-- Flow 1:
Average throughput: 34.42 Mbit/s
95th percentile per-packet one-way delay: 109.076 ms
Loss rate: 14.14%
-- Flow 2:
Average throughput: 15.17 Mbit/s
95th percentile per-packet one-way delay: 96.804 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 16.93 Mbit/s
95th percentile per-packet one-way delay: 135.969 ms
Loss rate: 6.47%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-10 20:58:56

End at: 2018-07-10 20:59:26

Local clock offset: 1.368 ms

Remote clock offset: 0.913 ms

Below is generated by plot.py at 2018-07-11 00:16:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.32 Mbit/s

95th percentile per-packet one-way delay: 106.952 ms

Loss rate: 13.84%

-- Flow 1:

Average throughput: 39.57 Mbit/s

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

Loss rate: 16.15%

-- Flow 2:

Average throughput: 6.81 Mbit/s

95th percentile per-packet one-way delay: 82.279 ms

Loss rate: 0.76%

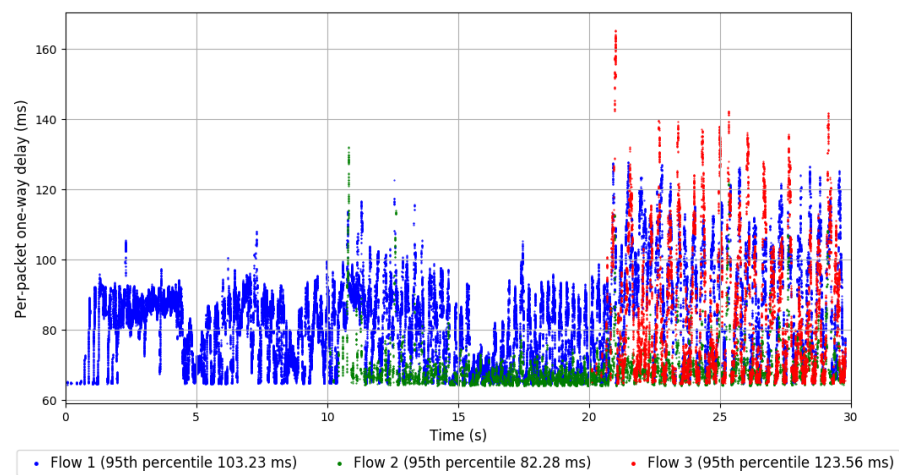
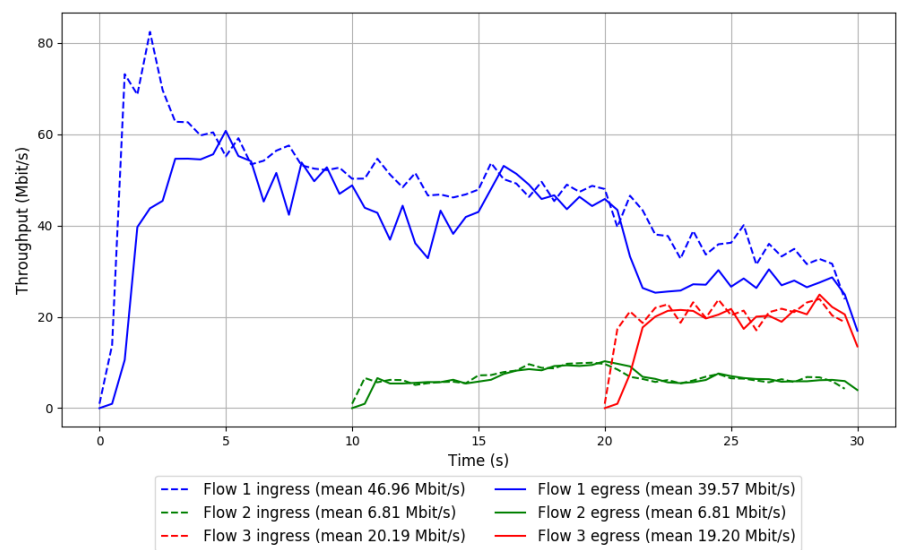
-- Flow 3:

Average throughput: 19.20 Mbit/s

95th percentile per-packet one-way delay: 123.555 ms

Loss rate: 6.34%

Run 2: Report of Indigo — Data Link

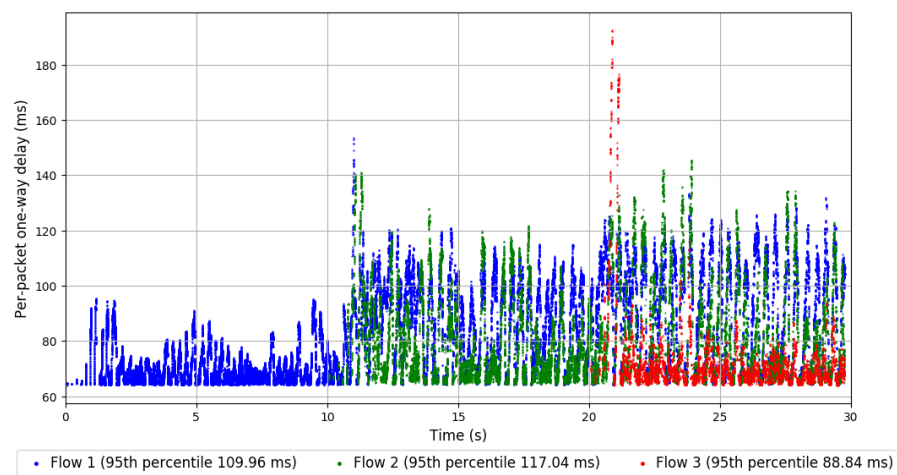
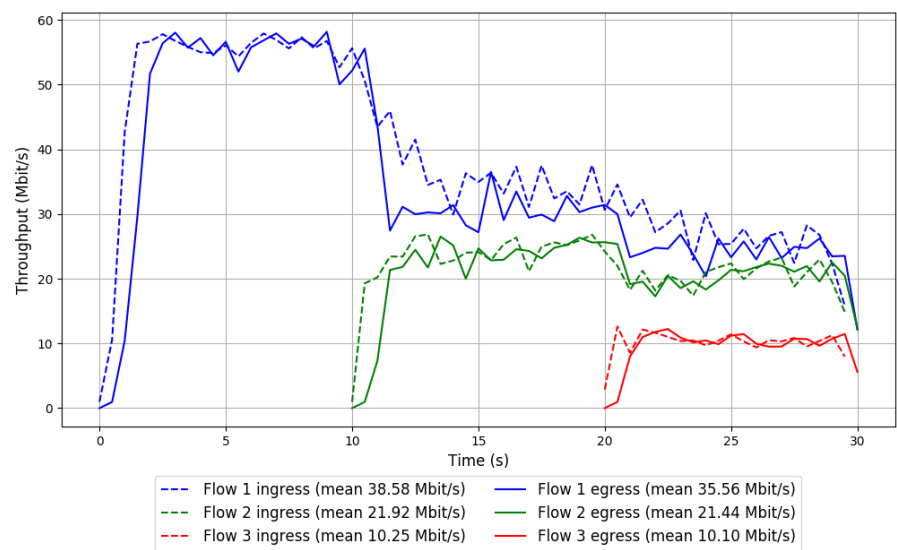


Run 3: Statistics of Indigo

Start at: 2018-07-10 21:22:24
End at: 2018-07-10 21:22:54
Local clock offset: 1.283 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2018-07-11 00:16:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.07 Mbit/s
95th percentile per-packet one-way delay: 111.677 ms
Loss rate: 6.57%
-- Flow 1:
Average throughput: 35.56 Mbit/s
95th percentile per-packet one-way delay: 109.964 ms
Loss rate: 8.26%
-- Flow 2:
Average throughput: 21.44 Mbit/s
95th percentile per-packet one-way delay: 117.041 ms
Loss rate: 2.93%
-- Flow 3:
Average throughput: 10.10 Mbit/s
95th percentile per-packet one-way delay: 88.838 ms
Loss rate: 2.93%

Run 3: Report of Indigo — Data Link

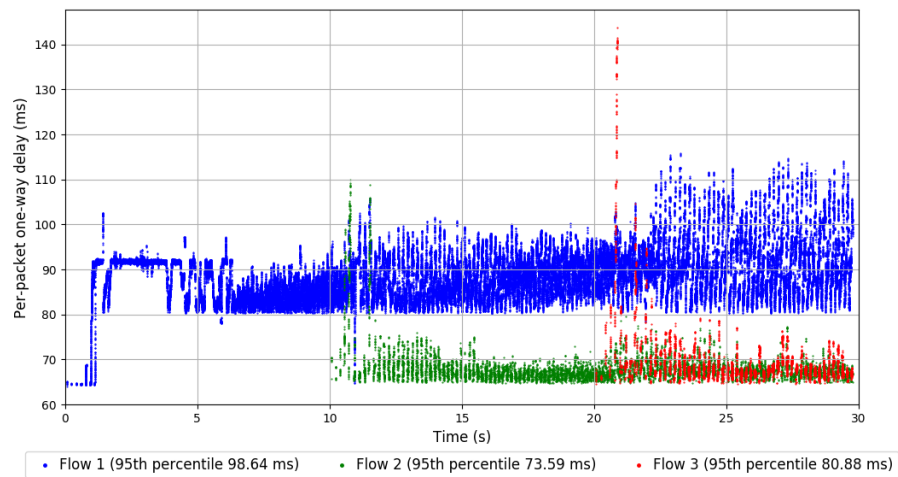
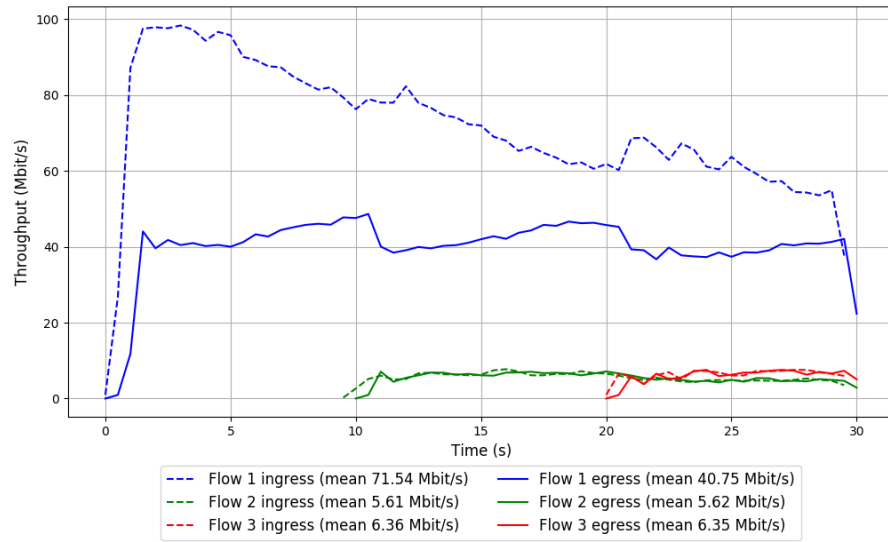


Run 4: Statistics of Indigo

Start at: 2018-07-10 21:45:51
End at: 2018-07-10 21:46:21
Local clock offset: 1.081 ms
Remote clock offset: -0.602 ms

Below is generated by plot.py at 2018-07-11 00:16:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.55 Mbit/s
95th percentile per-packet one-way delay: 98.043 ms
Loss rate: 40.15%
-- Flow 1:
Average throughput: 40.75 Mbit/s
95th percentile per-packet one-way delay: 98.643 ms
Loss rate: 43.34%
-- Flow 2:
Average throughput: 5.62 Mbit/s
95th percentile per-packet one-way delay: 73.590 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 6.35 Mbit/s
95th percentile per-packet one-way delay: 80.876 ms
Loss rate: 1.80%

Run 4: Report of Indigo — Data Link

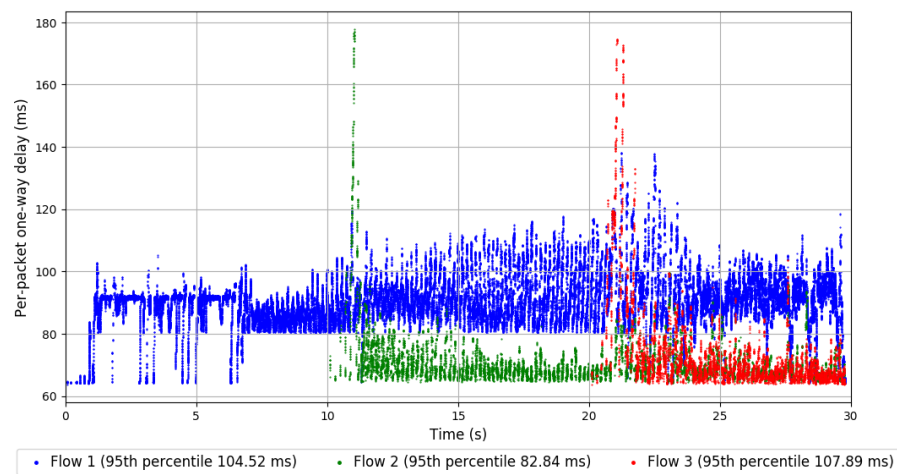
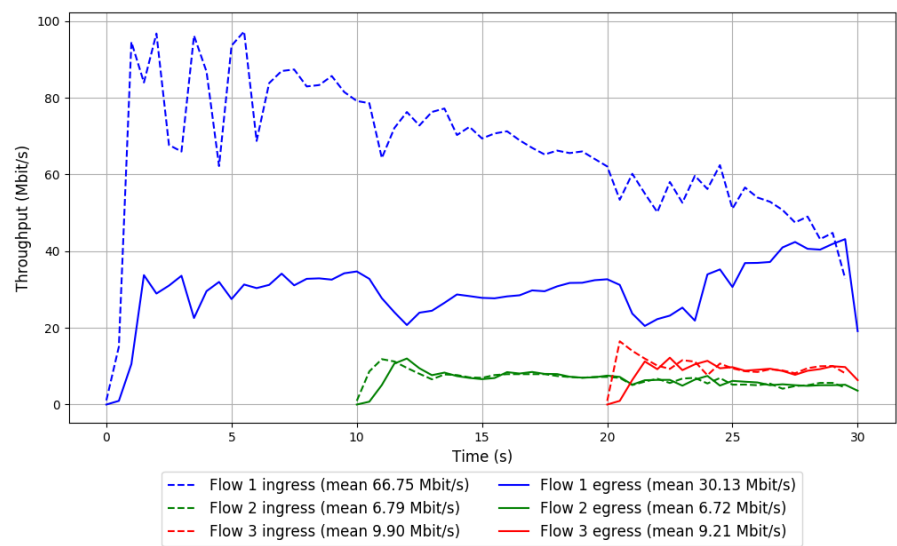


Run 5: Statistics of Indigo

Start at: 2018-07-10 22:09:25
End at: 2018-07-10 22:09:55
Local clock offset: 1.02 ms
Remote clock offset: -0.861 ms

Below is generated by plot.py at 2018-07-11 00:17:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.57 Mbit/s
95th percentile per-packet one-way delay: 104.084 ms
Loss rate: 49.82%
-- Flow 1:
Average throughput: 30.13 Mbit/s
95th percentile per-packet one-way delay: 104.519 ms
Loss rate: 55.08%
-- Flow 2:
Average throughput: 6.72 Mbit/s
95th percentile per-packet one-way delay: 82.845 ms
Loss rate: 1.77%
-- Flow 3:
Average throughput: 9.21 Mbit/s
95th percentile per-packet one-way delay: 107.890 ms
Loss rate: 8.47%

Run 5: Report of Indigo — Data Link

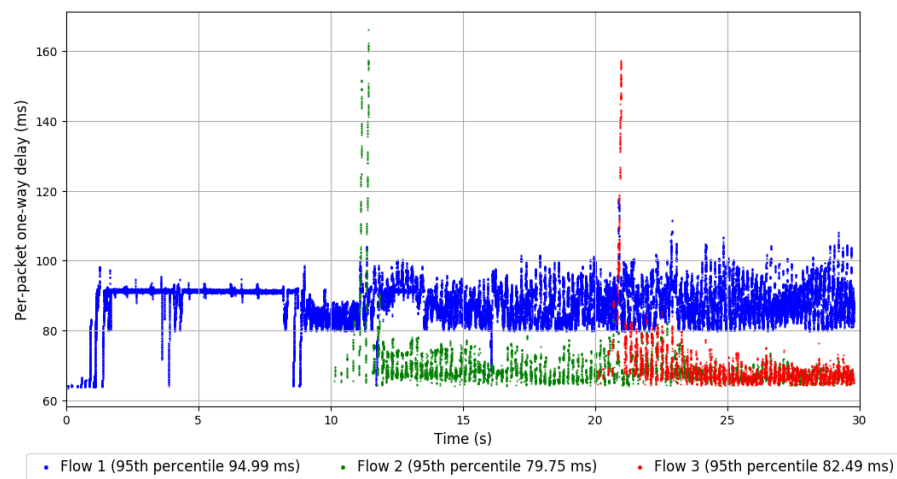
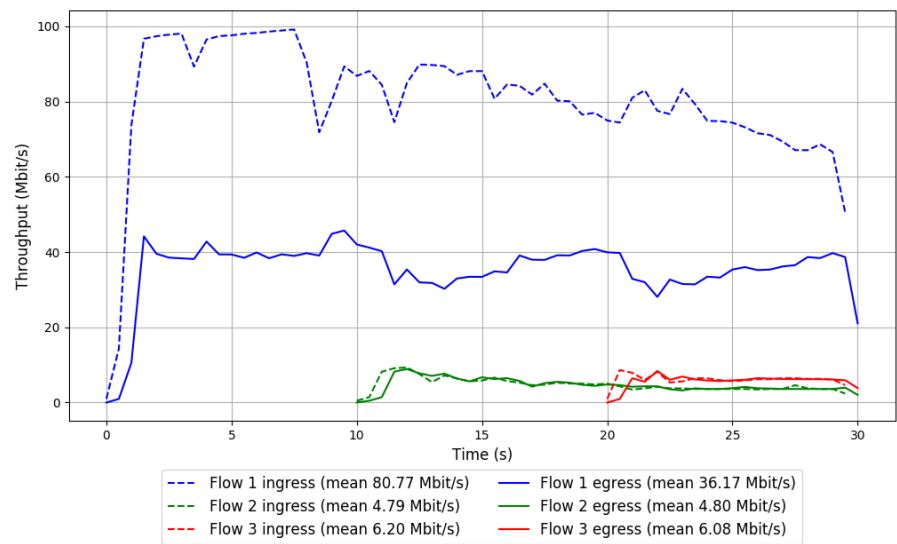


Run 6: Statistics of Indigo

Start at: 2018-07-10 22:32:52
End at: 2018-07-10 22:33:22
Local clock offset: 0.872 ms
Remote clock offset: -1.433 ms

Below is generated by plot.py at 2018-07-11 00:17:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.31 Mbit/s
95th percentile per-packet one-way delay: 94.841 ms
Loss rate: 52.20%
-- Flow 1:
Average throughput: 36.17 Mbit/s
95th percentile per-packet one-way delay: 94.989 ms
Loss rate: 55.44%
-- Flow 2:
Average throughput: 4.80 Mbit/s
95th percentile per-packet one-way delay: 79.754 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 6.08 Mbit/s
95th percentile per-packet one-way delay: 82.486 ms
Loss rate: 3.47%

Run 6: Report of Indigo — Data Link

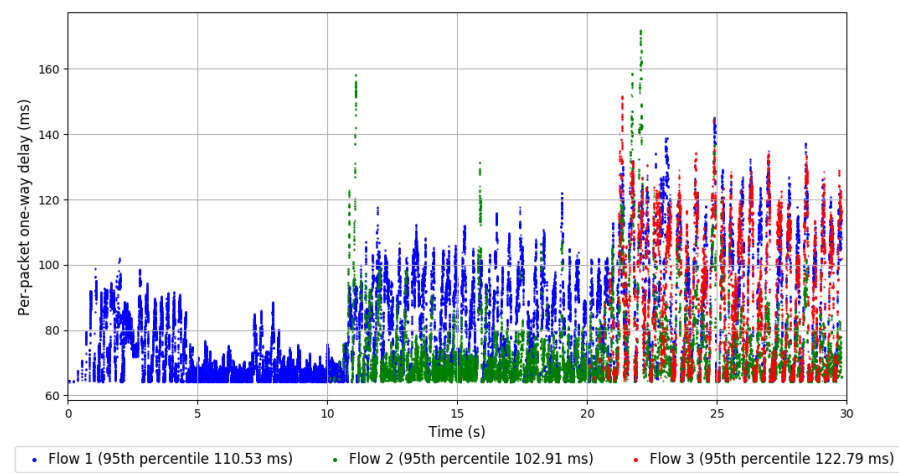
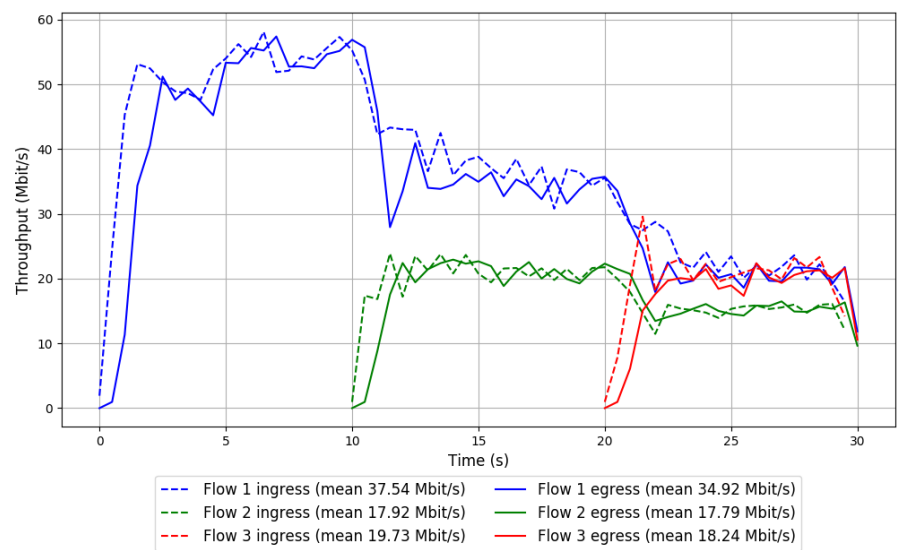


Run 7: Statistics of Indigo

Start at: 2018-07-10 22:56:37
End at: 2018-07-10 22:57:07
Local clock offset: 1.053 ms
Remote clock offset: -0.937 ms

Below is generated by plot.py at 2018-07-11 00:17:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.65 Mbit/s
95th percentile per-packet one-way delay: 114.067 ms
Loss rate: 6.34%
-- Flow 1:
Average throughput: 34.92 Mbit/s
95th percentile per-packet one-way delay: 110.532 ms
Loss rate: 7.45%
-- Flow 2:
Average throughput: 17.79 Mbit/s
95th percentile per-packet one-way delay: 102.911 ms
Loss rate: 1.44%
-- Flow 3:
Average throughput: 18.24 Mbit/s
95th percentile per-packet one-way delay: 122.786 ms
Loss rate: 8.95%

Run 7: Report of Indigo — Data Link

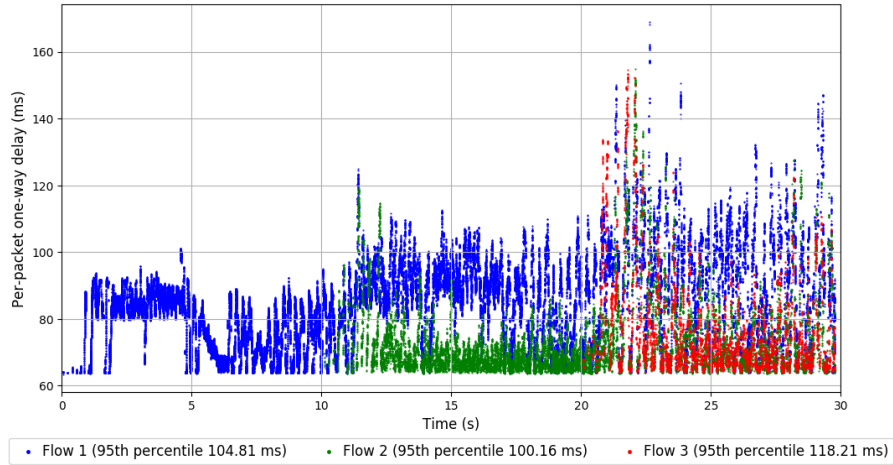
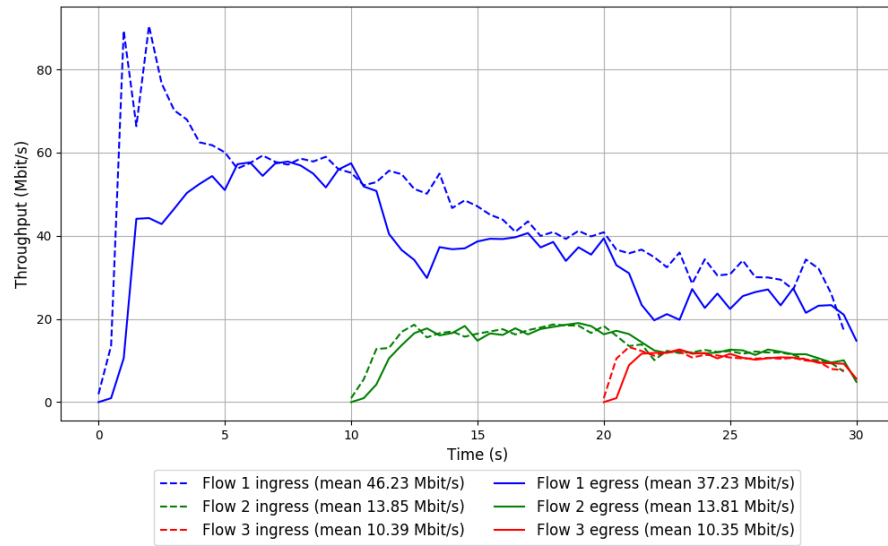


Run 8: Statistics of Indigo

Start at: 2018-07-10 23:20:20
End at: 2018-07-10 23:20:50
Local clock offset: 0.628 ms
Remote clock offset: -1.108 ms

Below is generated by plot.py at 2018-07-11 00:17:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.74 Mbit/s
95th percentile per-packet one-way delay: 104.846 ms
Loss rate: 15.87%
-- Flow 1:
Average throughput: 37.23 Mbit/s
95th percentile per-packet one-way delay: 104.815 ms
Loss rate: 19.88%
-- Flow 2:
Average throughput: 13.81 Mbit/s
95th percentile per-packet one-way delay: 100.164 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 10.35 Mbit/s
95th percentile per-packet one-way delay: 118.207 ms
Loss rate: 1.98%

Run 8: Report of Indigo — Data Link

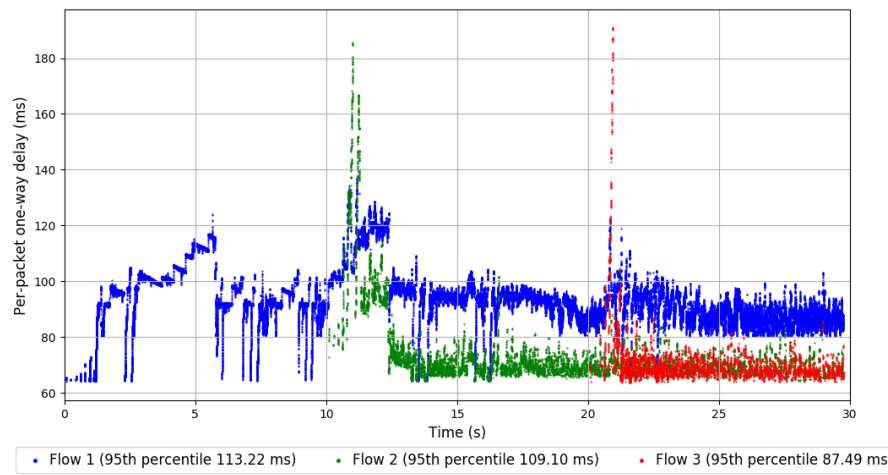
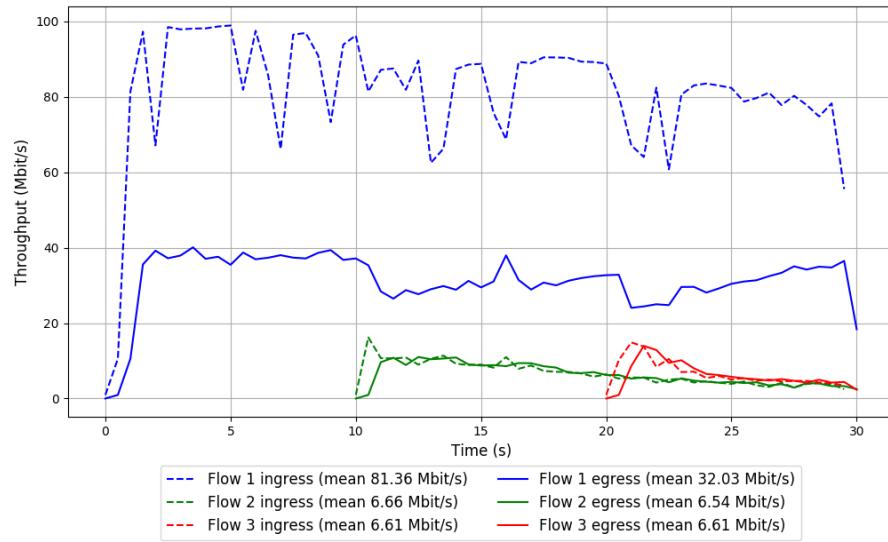


Run 9: Statistics of Indigo

Start at: 2018-07-10 23:43:44
End at: 2018-07-10 23:44:14
Local clock offset: 0.325 ms
Remote clock offset: -1.485 ms

Below is generated by plot.py at 2018-07-11 00:17:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 38.50 Mbit/s
95th percentile per-packet one-way delay: 113.056 ms
Loss rate: 56.47%
-- Flow 1:
Average throughput: 32.03 Mbit/s
95th percentile per-packet one-way delay: 113.216 ms
Loss rate: 60.86%
-- Flow 2:
Average throughput: 6.54 Mbit/s
95th percentile per-packet one-way delay: 109.102 ms
Loss rate: 2.68%
-- Flow 3:
Average throughput: 6.61 Mbit/s
95th percentile per-packet one-way delay: 87.488 ms
Loss rate: 1.77%

Run 9: Report of Indigo — Data Link

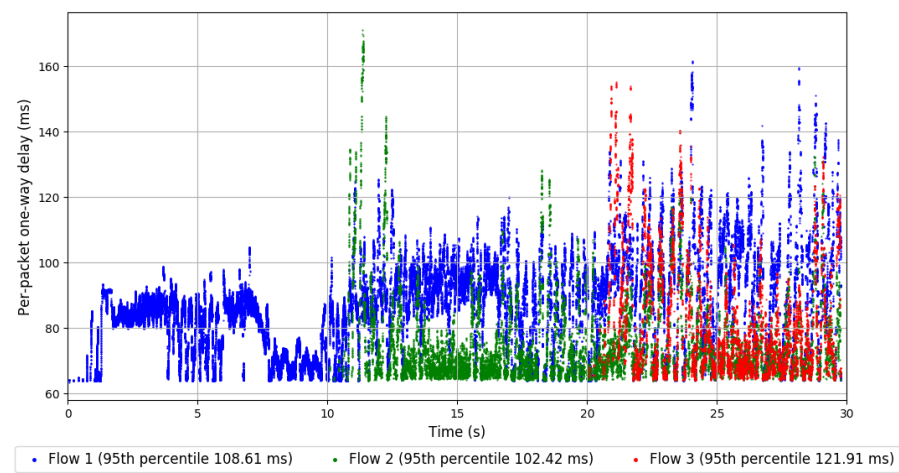
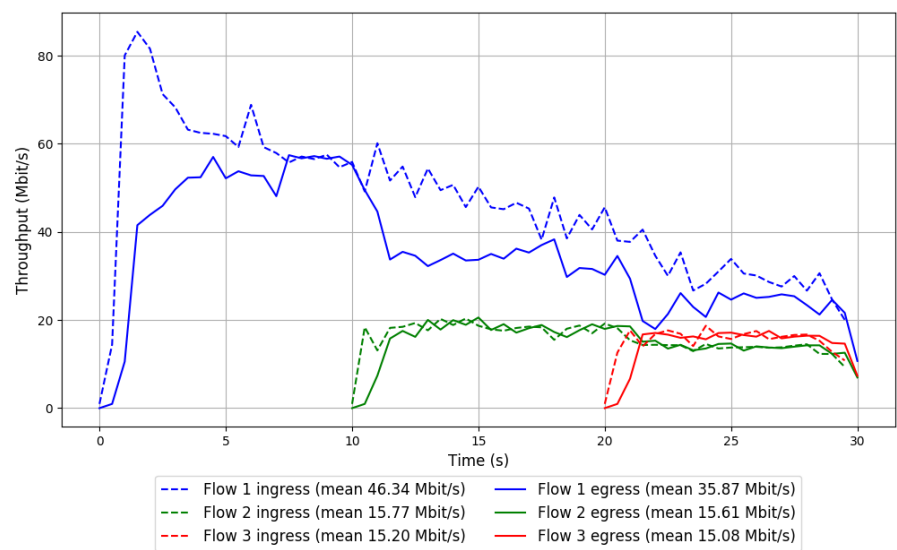


Run 10: Statistics of Indigo

Start at: 2018-07-11 00:07:12
End at: 2018-07-11 00:07:42
Local clock offset: 0.306 ms
Remote clock offset: -0.859 ms

Below is generated by plot.py at 2018-07-11 00:17:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.12 Mbit/s
95th percentile per-packet one-way delay: 109.617 ms
Loss rate: 17.81%
-- Flow 1:
Average throughput: 35.87 Mbit/s
95th percentile per-packet one-way delay: 108.612 ms
Loss rate: 23.05%
-- Flow 2:
Average throughput: 15.61 Mbit/s
95th percentile per-packet one-way delay: 102.417 ms
Loss rate: 1.98%
-- Flow 3:
Average throughput: 15.08 Mbit/s
95th percentile per-packet one-way delay: 121.905 ms
Loss rate: 2.50%

Run 10: Report of Indigo — Data Link

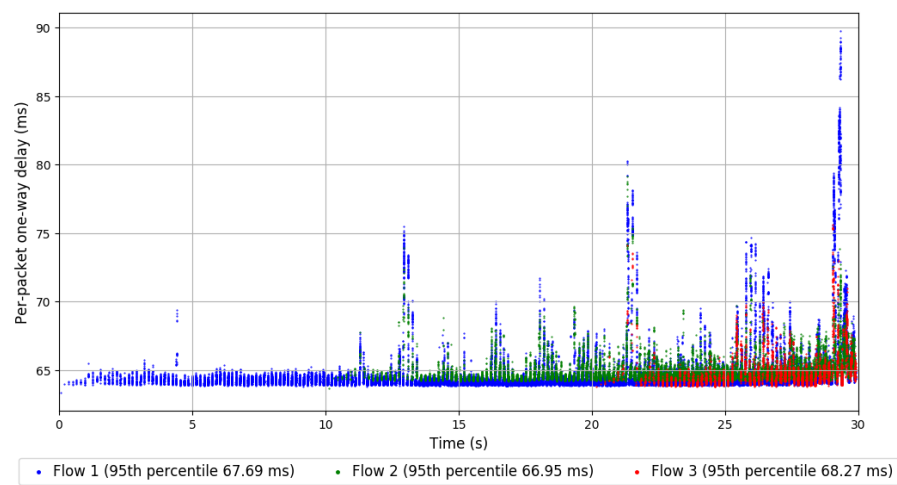
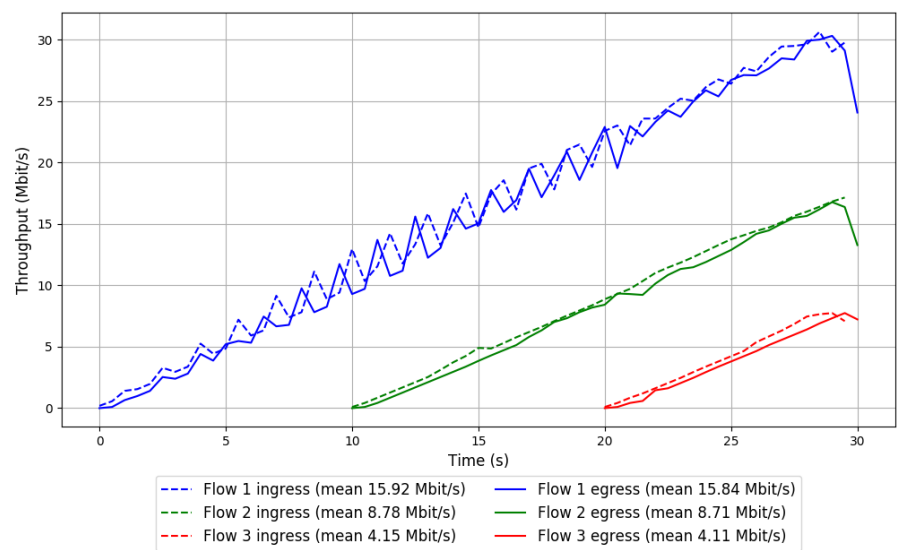


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-10 20:36:55
End at: 2018-07-10 20:37:25
Local clock offset: 1.133 ms
Remote clock offset: -0.018 ms

# Below is generated by plot.py at 2018-07-11 00:17:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 22.95 Mbit/s
95th percentile per-packet one-way delay: 67.464 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 15.84 Mbit/s
95th percentile per-packet one-way delay: 67.686 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 8.71 Mbit/s
95th percentile per-packet one-way delay: 66.949 ms
Loss rate: 1.63%
-- Flow 3:
Average throughput: 4.11 Mbit/s
95th percentile per-packet one-way delay: 68.272 ms
Loss rate: 2.49%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-10 21:00:20

End at: 2018-07-10 21:00:50

Local clock offset: 1.21 ms

Remote clock offset: 0.898 ms

Below is generated by plot.py at 2018-07-11 00:17:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 21.54 Mbit/s

95th percentile per-packet one-way delay: 67.200 ms

Loss rate: 1.34%

-- Flow 1:

Average throughput: 13.24 Mbit/s

95th percentile per-packet one-way delay: 66.937 ms

Loss rate: 1.04%

-- Flow 2:

Average throughput: 10.45 Mbit/s

95th percentile per-packet one-way delay: 67.642 ms

Loss rate: 1.51%

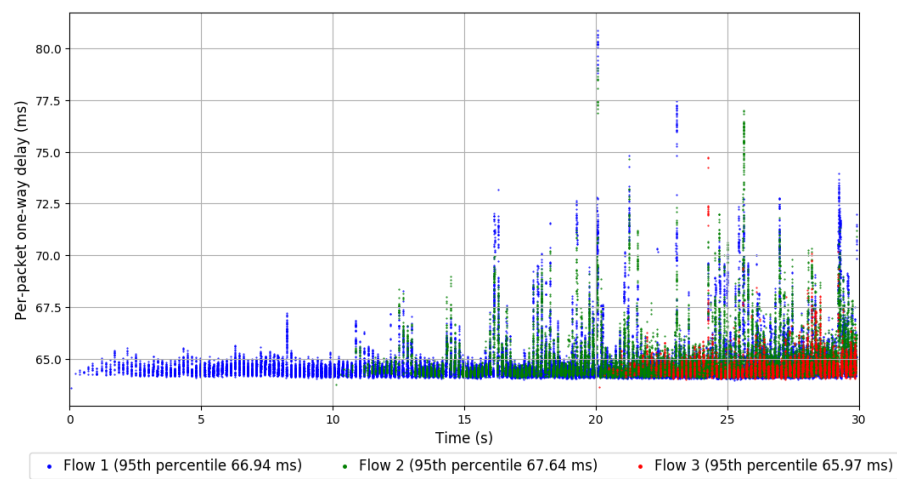
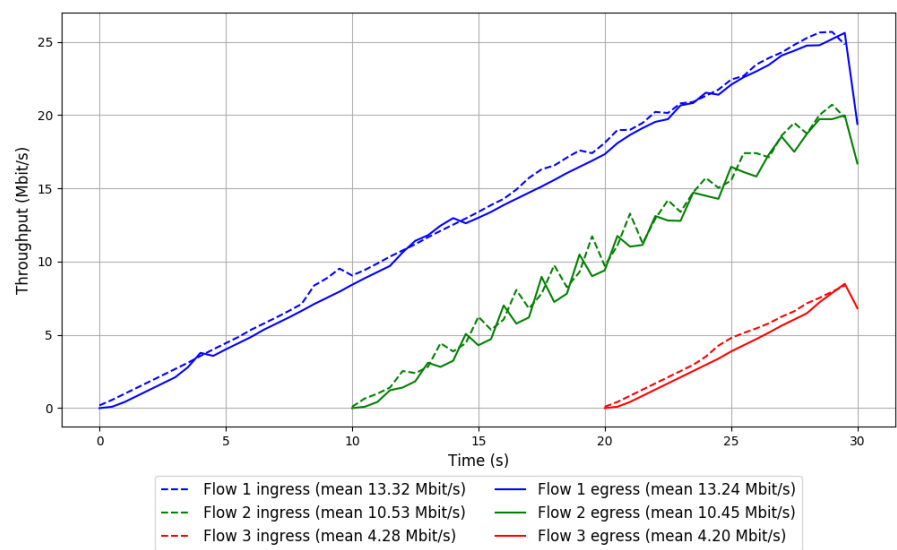
-- Flow 3:

Average throughput: 4.20 Mbit/s

95th percentile per-packet one-way delay: 65.970 ms

Loss rate: 3.32%

Run 2: Report of LEDBAT — Data Link

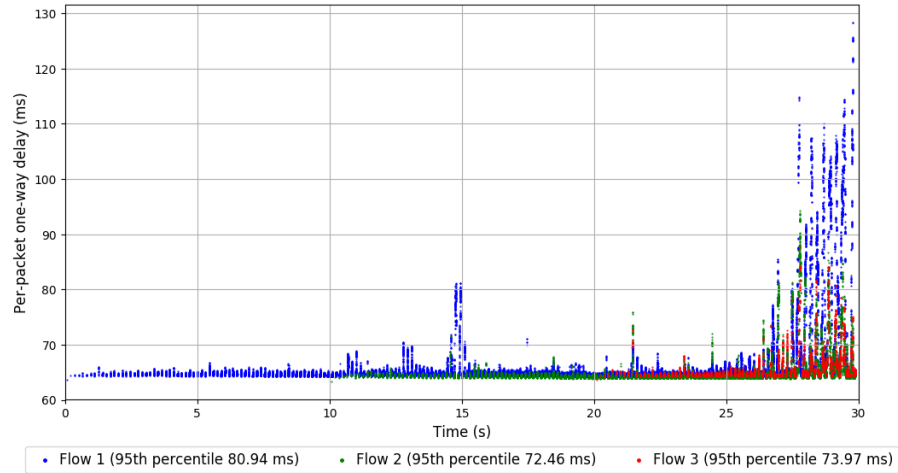
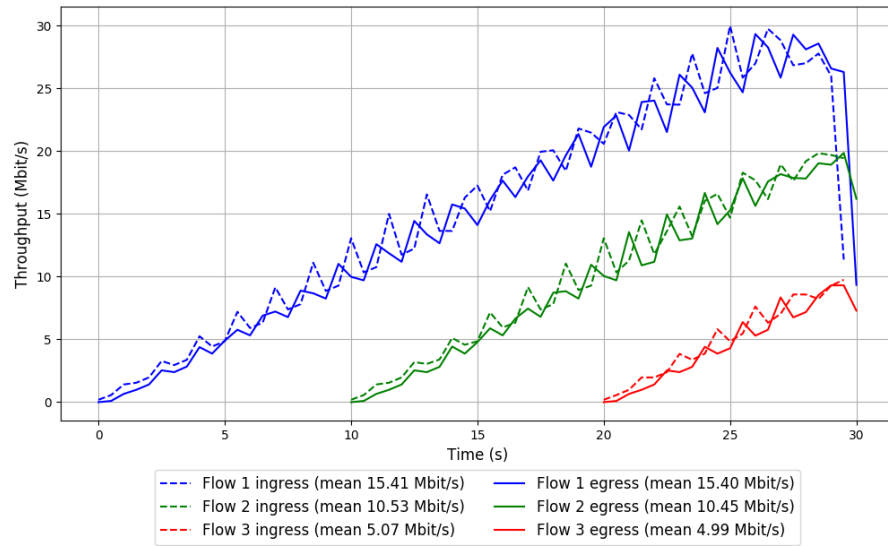


Run 3: Statistics of LEDBAT

Start at: 2018-07-10 21:23:49
End at: 2018-07-10 21:24:19
Local clock offset: 1.273 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-11 00:17:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.98 Mbit/s
95th percentile per-packet one-way delay: 77.108 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 15.40 Mbit/s
95th percentile per-packet one-way delay: 80.945 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 10.45 Mbit/s
95th percentile per-packet one-way delay: 72.462 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 4.99 Mbit/s
95th percentile per-packet one-way delay: 73.972 ms
Loss rate: 3.07%

Run 3: Report of LEDBAT — Data Link

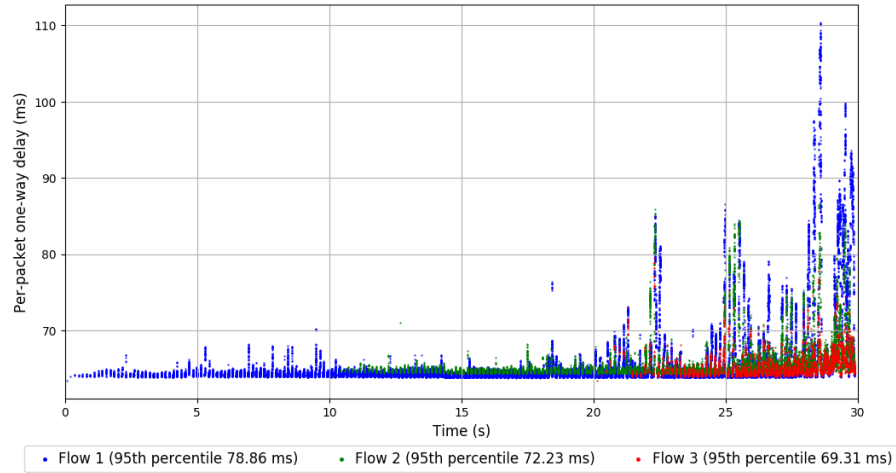
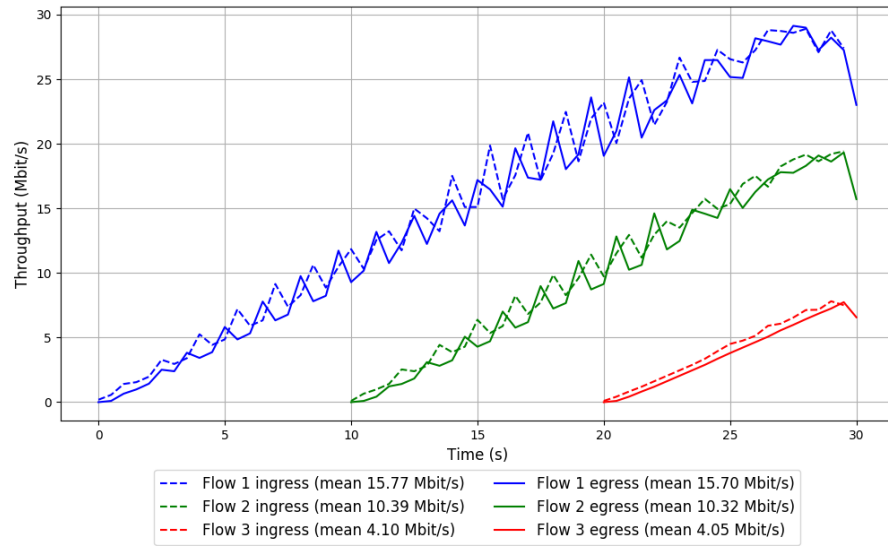


Run 4: Statistics of LEDBAT

Start at: 2018-07-10 21:47:17
End at: 2018-07-10 21:47:47
Local clock offset: 1.074 ms
Remote clock offset: -0.638 ms

Below is generated by plot.py at 2018-07-11 00:17:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.86 Mbit/s
95th percentile per-packet one-way delay: 75.945 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 15.70 Mbit/s
95th percentile per-packet one-way delay: 78.862 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 10.32 Mbit/s
95th percentile per-packet one-way delay: 72.233 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 4.05 Mbit/s
95th percentile per-packet one-way delay: 69.313 ms
Loss rate: 2.91%

Run 4: Report of LEDBAT — Data Link

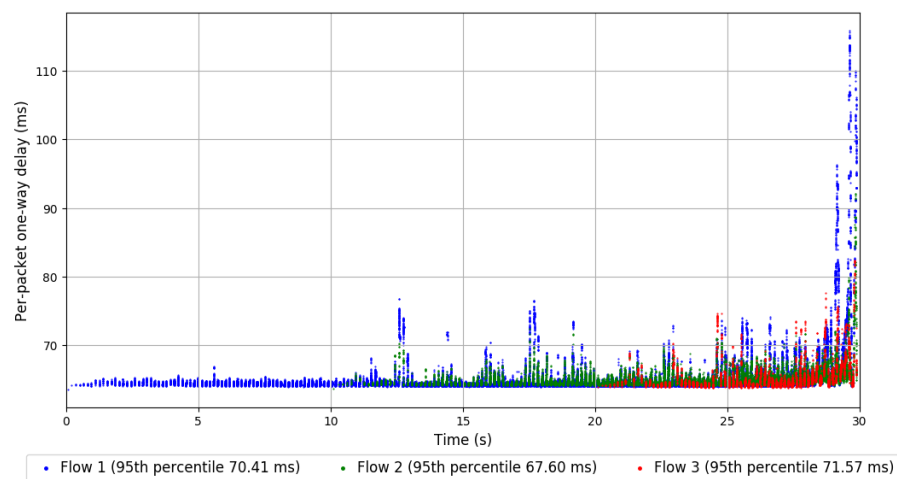
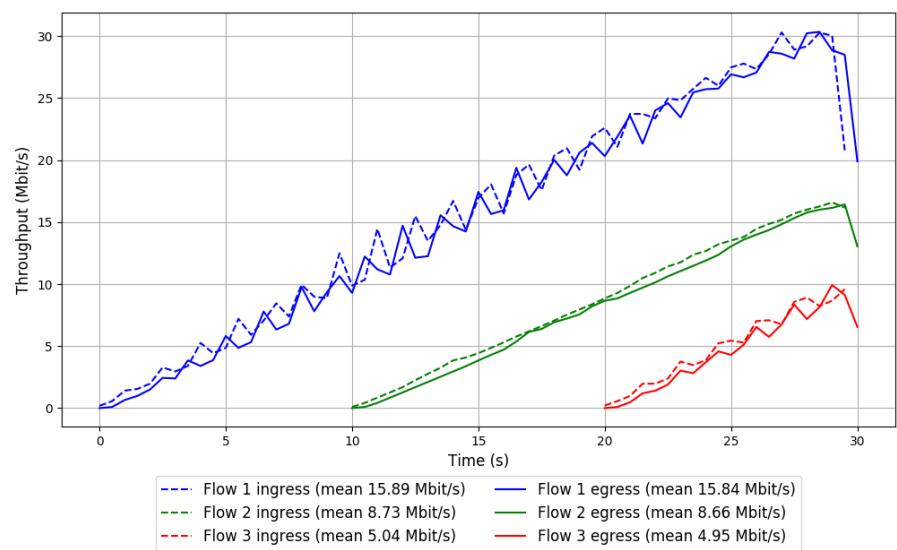


Run 5: Statistics of LEDBAT

Start at: 2018-07-10 22:10:50
End at: 2018-07-10 22:11:20
Local clock offset: 1.169 ms
Remote clock offset: -0.951 ms

Below is generated by plot.py at 2018-07-11 00:17:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.20 Mbit/s
95th percentile per-packet one-way delay: 69.634 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 15.84 Mbit/s
95th percentile per-packet one-way delay: 70.407 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 8.66 Mbit/s
95th percentile per-packet one-way delay: 67.598 ms
Loss rate: 1.56%
-- Flow 3:
Average throughput: 4.95 Mbit/s
95th percentile per-packet one-way delay: 71.571 ms
Loss rate: 3.05%

Run 5: Report of LEDBAT — Data Link

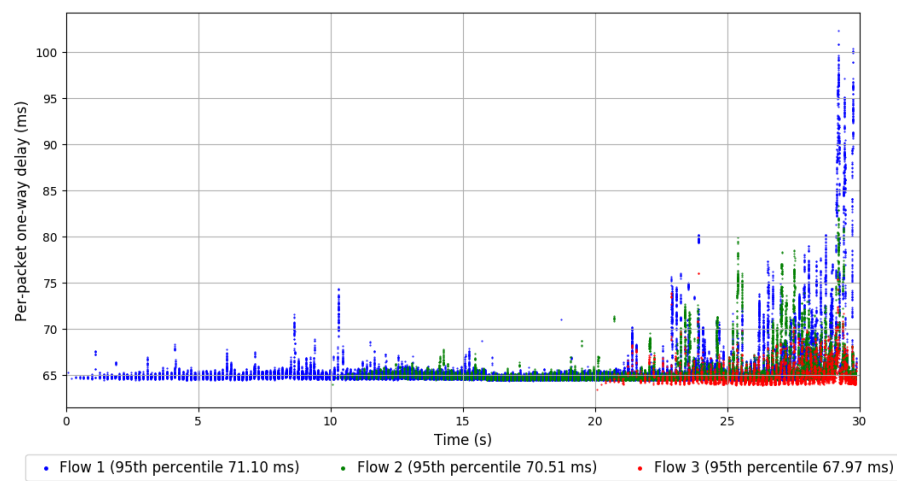
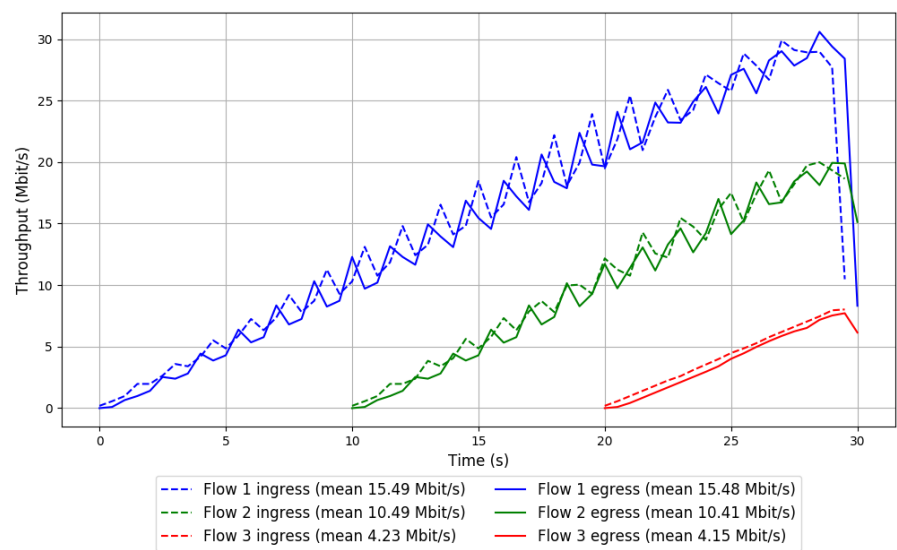


Run 6: Statistics of LEDBAT

Start at: 2018-07-10 22:34:23
End at: 2018-07-10 22:34:53
Local clock offset: 1.018 ms
Remote clock offset: -1.413 ms

Below is generated by plot.py at 2018-07-11 00:17:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.76 Mbit/s
95th percentile per-packet one-way delay: 70.642 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 15.48 Mbit/s
95th percentile per-packet one-way delay: 71.098 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 10.41 Mbit/s
95th percentile per-packet one-way delay: 70.513 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 4.15 Mbit/s
95th percentile per-packet one-way delay: 67.975 ms
Loss rate: 3.23%

Run 6: Report of LEDBAT — Data Link

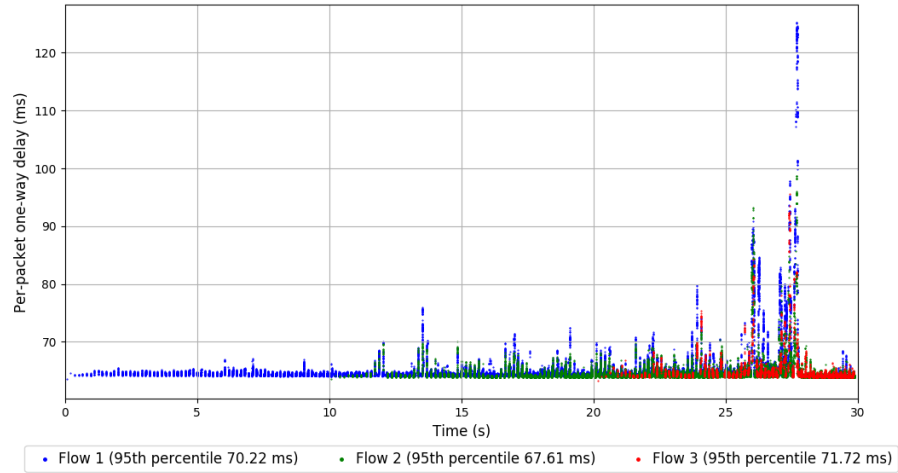
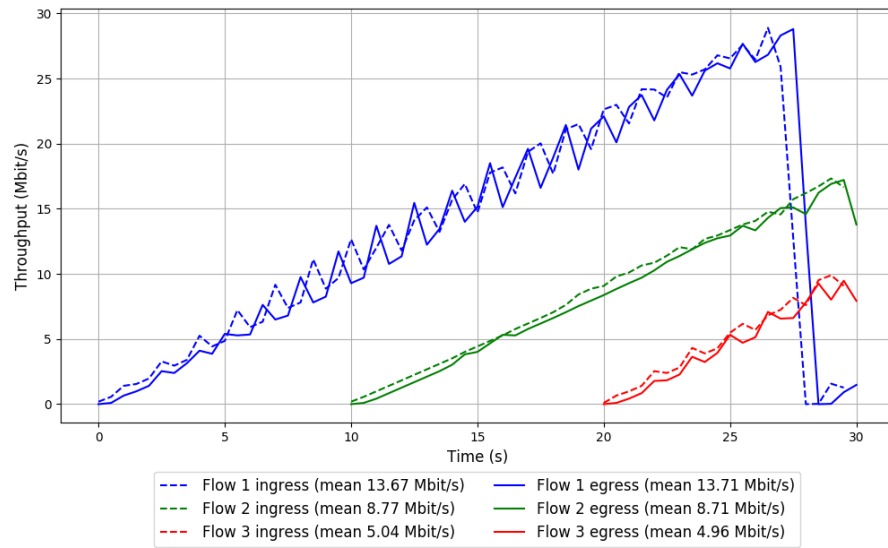


Run 7: Statistics of LEDBAT

Start at: 2018-07-10 22:58:01
End at: 2018-07-10 22:58:31
Local clock offset: 0.764 ms
Remote clock offset: -0.979 ms

Below is generated by plot.py at 2018-07-11 00:17:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 21.10 Mbit/s
95th percentile per-packet one-way delay: 69.281 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 13.71 Mbit/s
95th percentile per-packet one-way delay: 70.222 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 8.71 Mbit/s
95th percentile per-packet one-way delay: 67.614 ms
Loss rate: 1.47%
-- Flow 3:
Average throughput: 4.96 Mbit/s
95th percentile per-packet one-way delay: 71.720 ms
Loss rate: 3.10%

Run 7: Report of LEDBAT — Data Link

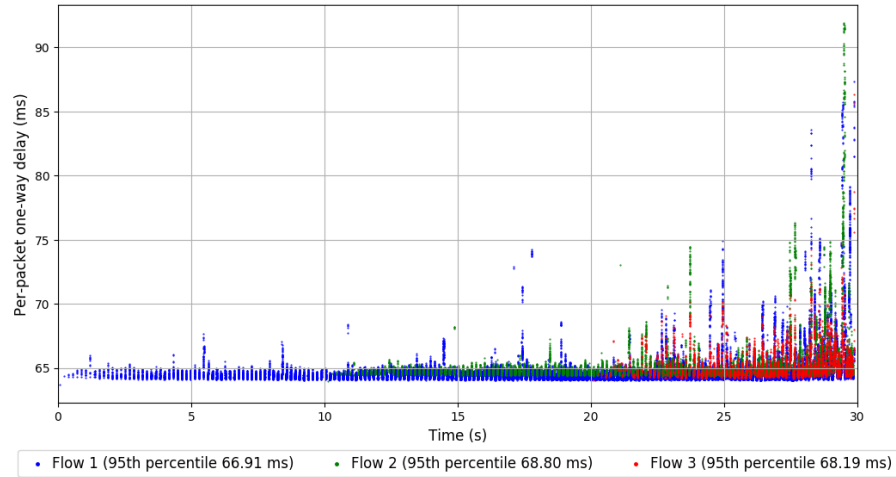
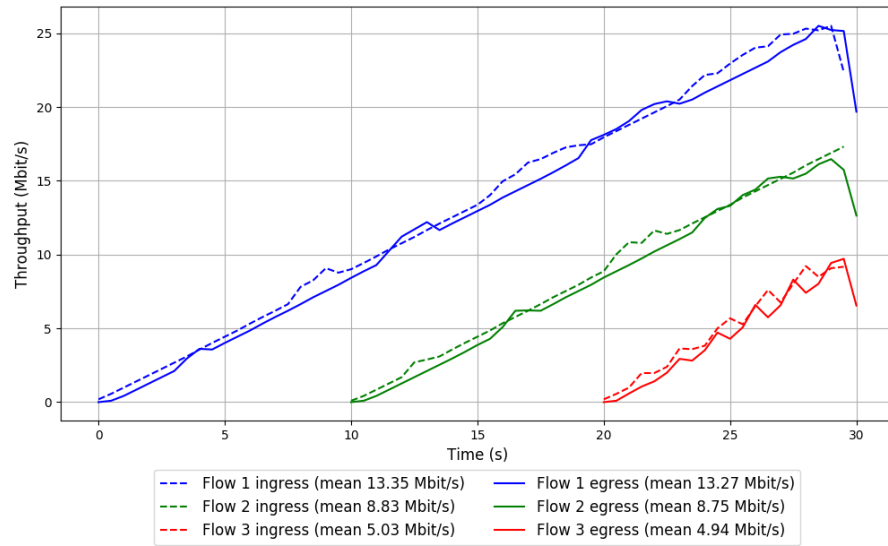


Run 8: Statistics of LEDBAT

Start at: 2018-07-10 23:21:44
End at: 2018-07-10 23:22:14
Local clock offset: 0.847 ms
Remote clock offset: -1.112 ms

Below is generated by plot.py at 2018-07-11 00:17:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 20.69 Mbit/s
95th percentile per-packet one-way delay: 67.511 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 13.27 Mbit/s
95th percentile per-packet one-way delay: 66.912 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 8.75 Mbit/s
95th percentile per-packet one-way delay: 68.801 ms
Loss rate: 1.66%
-- Flow 3:
Average throughput: 4.94 Mbit/s
95th percentile per-packet one-way delay: 68.190 ms
Loss rate: 3.10%

Run 8: Report of LEDBAT — Data Link

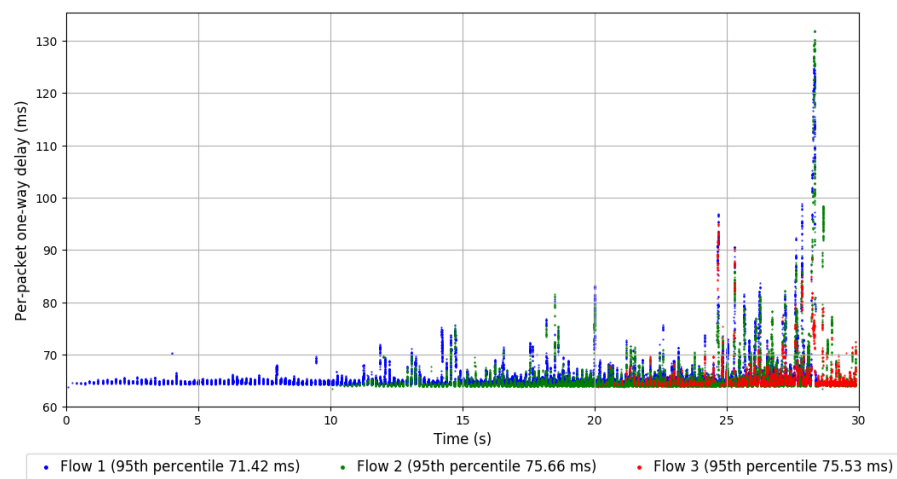
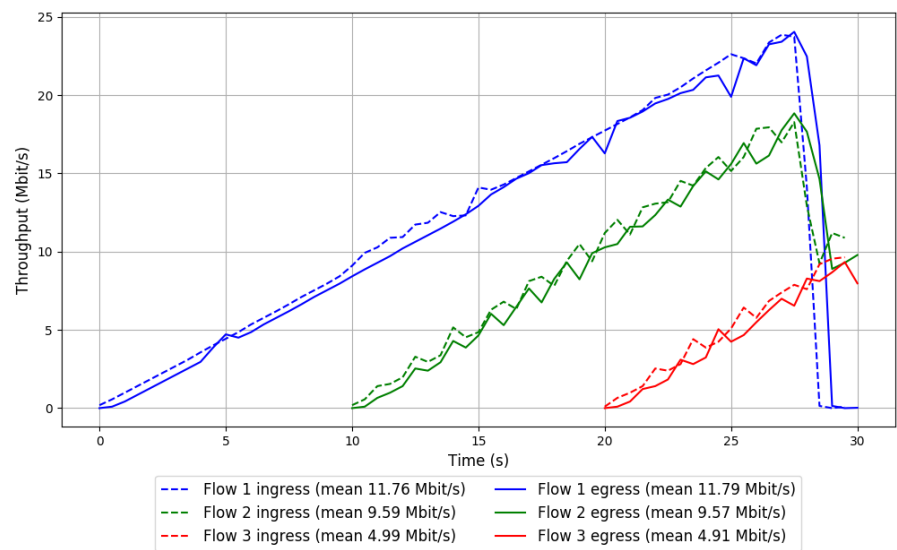


Run 9: Statistics of LEDBAT

Start at: 2018-07-10 23:45:09
End at: 2018-07-10 23:45:39
Local clock offset: 0.444 ms
Remote clock offset: -1.431 ms

Below is generated by plot.py at 2018-07-11 00:17:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.70 Mbit/s
95th percentile per-packet one-way delay: 73.200 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 11.79 Mbit/s
95th percentile per-packet one-way delay: 71.422 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 9.57 Mbit/s
95th percentile per-packet one-way delay: 75.661 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 4.91 Mbit/s
95th percentile per-packet one-way delay: 75.534 ms
Loss rate: 3.09%

Run 9: Report of LEDBAT — Data Link

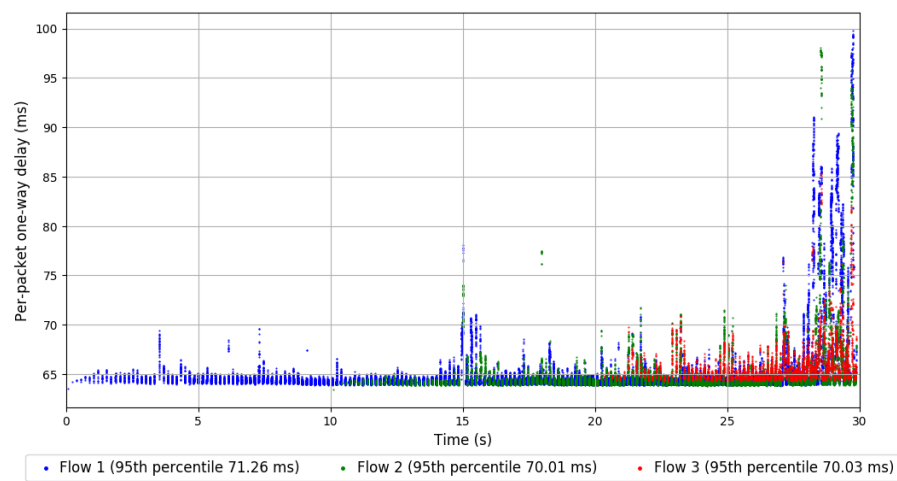
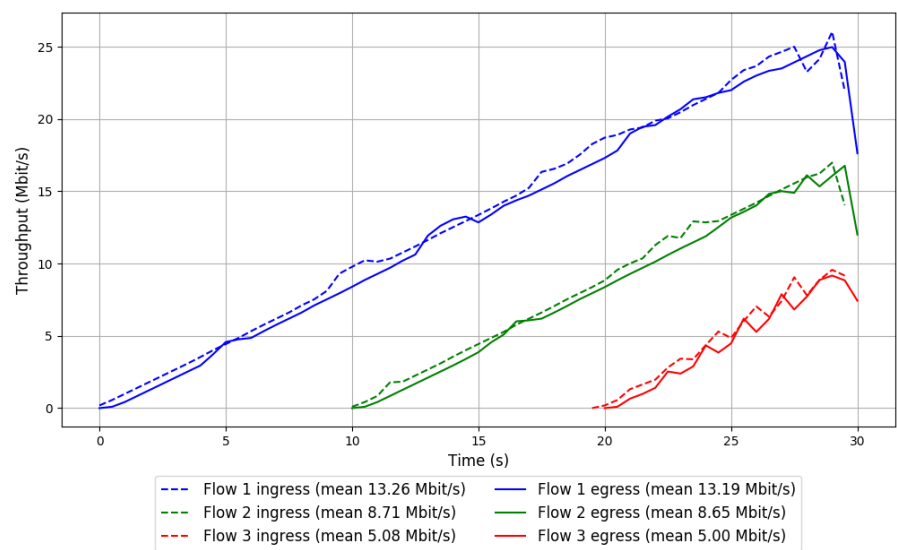


Run 10: Statistics of LEDBAT

Start at: 2018-07-11 00:08:38
End at: 2018-07-11 00:09:08
Local clock offset: 0.334 ms
Remote clock offset: -0.879 ms

Below is generated by plot.py at 2018-07-11 00:17:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 20.57 Mbit/s
95th percentile per-packet one-way delay: 70.613 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 13.19 Mbit/s
95th percentile per-packet one-way delay: 71.259 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 8.65 Mbit/s
95th percentile per-packet one-way delay: 70.012 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 5.00 Mbit/s
95th percentile per-packet one-way delay: 70.031 ms
Loss rate: 3.06%

Run 10: Report of LEDBAT — Data Link

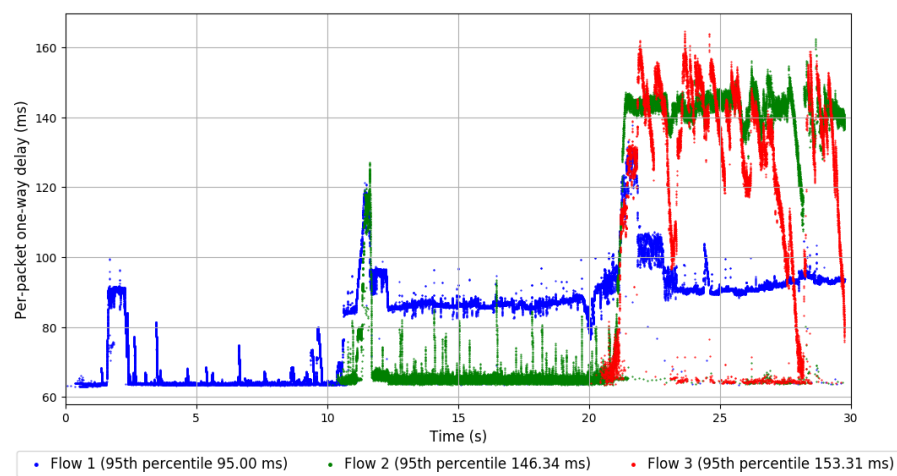
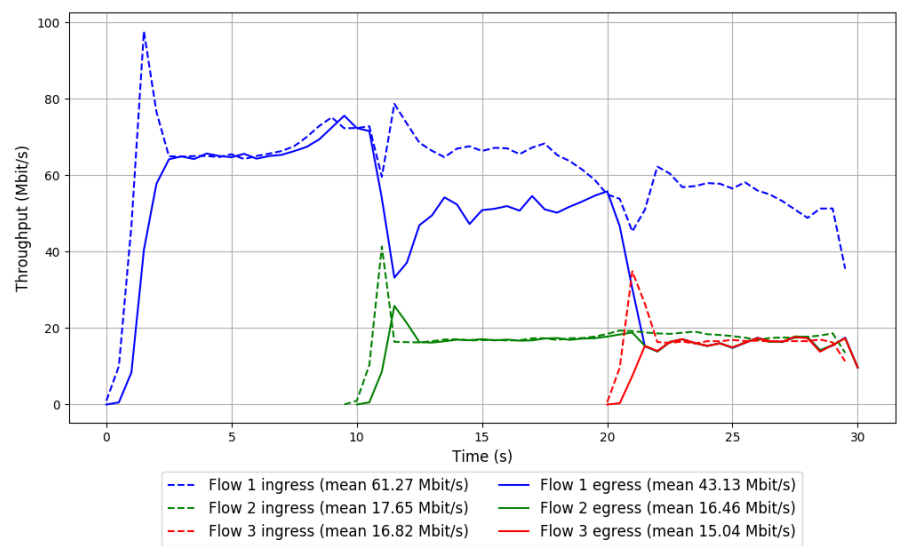


Run 1: Statistics of PCC-Allegro

Start at: 2018-07-10 20:38:17
End at: 2018-07-10 20:38:47
Local clock offset: 0.97 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-11 00:18:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.95 Mbit/s
95th percentile per-packet one-way delay: 144.045 ms
Loss rate: 25.32%
-- Flow 1:
Average throughput: 43.13 Mbit/s
95th percentile per-packet one-way delay: 94.995 ms
Loss rate: 29.95%
-- Flow 2:
Average throughput: 16.46 Mbit/s
95th percentile per-packet one-way delay: 146.343 ms
Loss rate: 7.46%
-- Flow 3:
Average throughput: 15.04 Mbit/s
95th percentile per-packet one-way delay: 153.315 ms
Loss rate: 11.98%

Run 1: Report of PCC-Allegro — Data Link

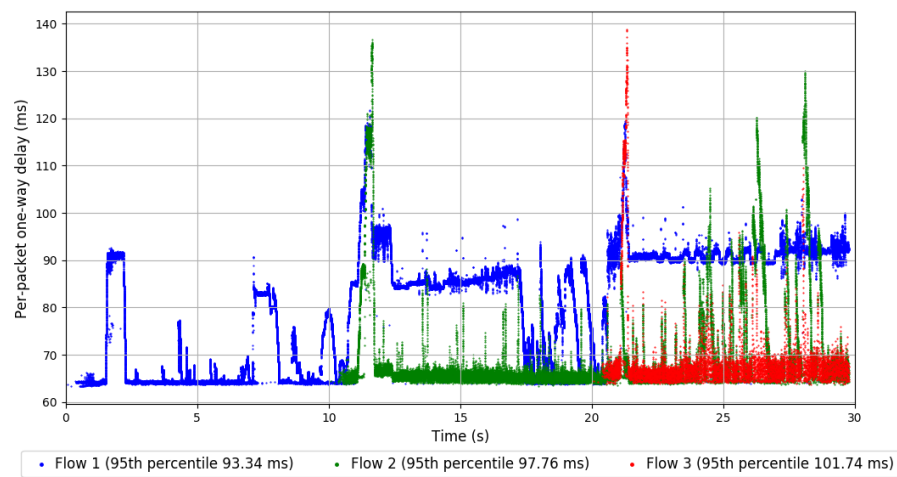
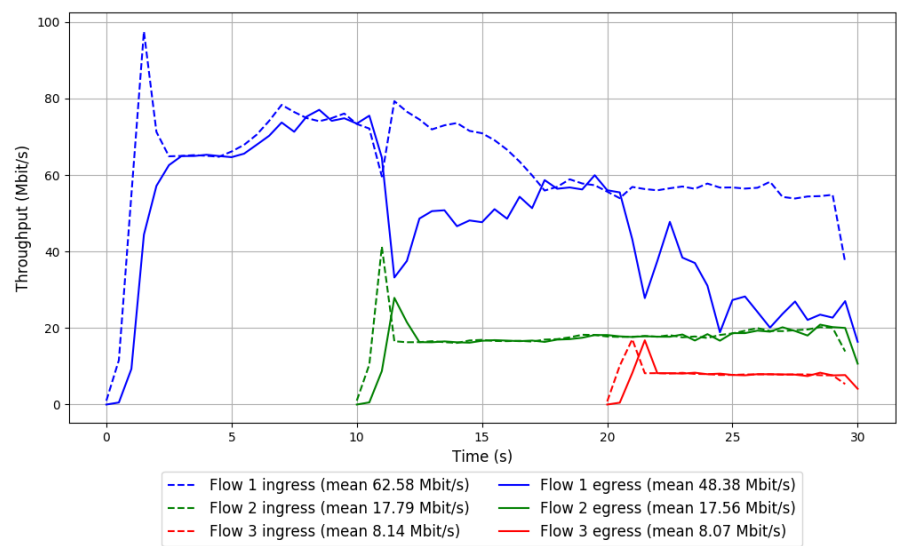


```
Run 2: Statistics of PCC-Allegro

Start at: 2018-07-10 21:01:42
End at: 2018-07-10 21:02:12
Local clock offset: 1.257 ms
Remote clock offset: 0.702 ms

# Below is generated by plot.py at 2018-07-11 00:18:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.65 Mbit/s
95th percentile per-packet one-way delay: 93.759 ms
Loss rate: 19.14%
-- Flow 1:
Average throughput: 48.38 Mbit/s
95th percentile per-packet one-way delay: 93.342 ms
Loss rate: 23.09%
-- Flow 2:
Average throughput: 17.56 Mbit/s
95th percentile per-packet one-way delay: 97.764 ms
Loss rate: 2.02%
-- Flow 3:
Average throughput: 8.07 Mbit/s
95th percentile per-packet one-way delay: 101.740 ms
Loss rate: 2.30%
```

Run 2: Report of PCC-Allegro — Data Link

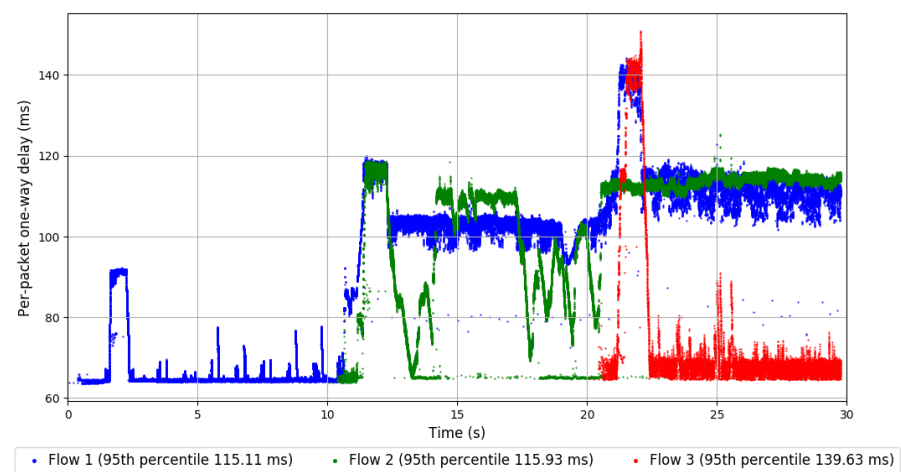
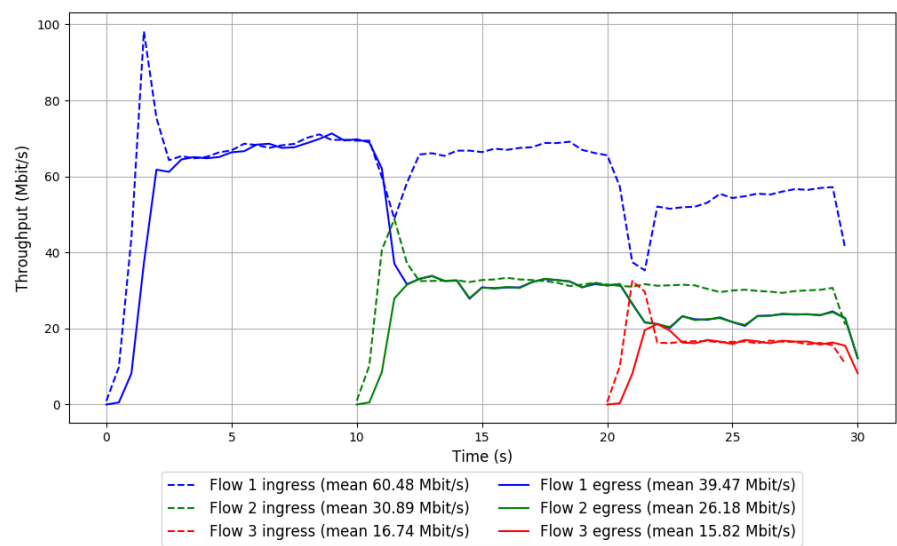


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-10 21:25:11
End at: 2018-07-10 21:25:41
Local clock offset: 1.261 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-11 00:18:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.99 Mbit/s
95th percentile per-packet one-way delay: 115.835 ms
Loss rate: 28.73%
-- Flow 1:
Average throughput: 39.47 Mbit/s
95th percentile per-packet one-way delay: 115.106 ms
Loss rate: 35.07%
-- Flow 2:
Average throughput: 26.18 Mbit/s
95th percentile per-packet one-way delay: 115.930 ms
Loss rate: 15.90%
-- Flow 3:
Average throughput: 15.82 Mbit/s
95th percentile per-packet one-way delay: 139.631 ms
Loss rate: 6.98%

Run 3: Report of PCC-Allegro — Data Link

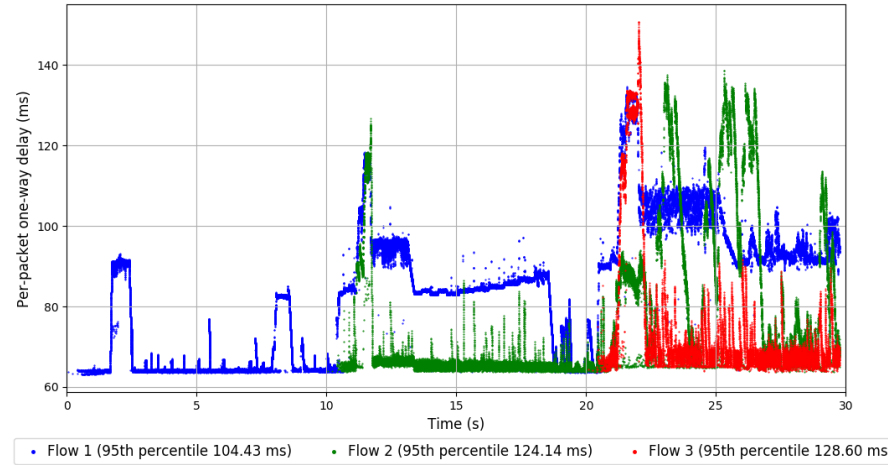
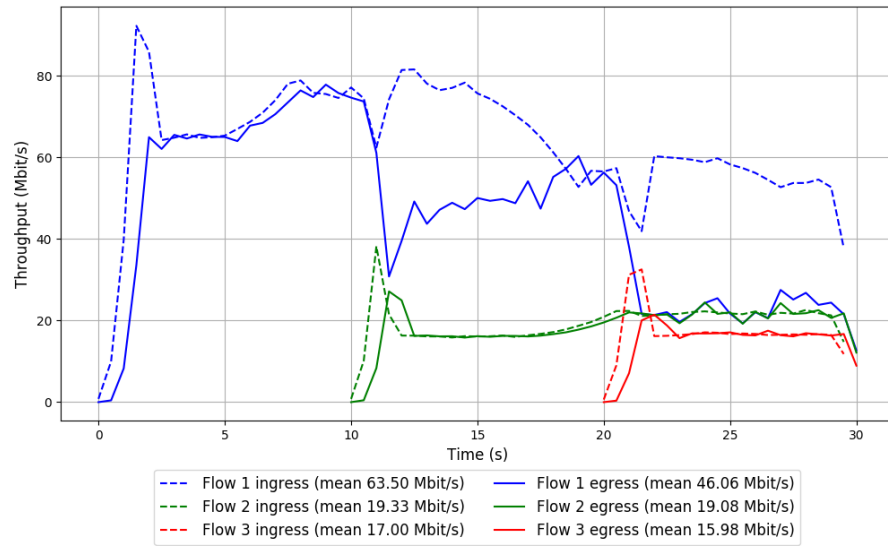


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-10 21:48:39
End at: 2018-07-10 21:49:09
Local clock offset: 0.95 ms
Remote clock offset: -0.648 ms

Below is generated by plot.py at 2018-07-11 00:18:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.92 Mbit/s
95th percentile per-packet one-way delay: 109.636 ms
Loss rate: 22.39%
-- Flow 1:
Average throughput: 46.06 Mbit/s
95th percentile per-packet one-way delay: 104.428 ms
Loss rate: 27.82%
-- Flow 2:
Average throughput: 19.08 Mbit/s
95th percentile per-packet one-way delay: 124.139 ms
Loss rate: 2.07%
-- Flow 3:
Average throughput: 15.98 Mbit/s
95th percentile per-packet one-way delay: 128.596 ms
Loss rate: 7.45%

Run 4: Report of PCC-Allegro — Data Link

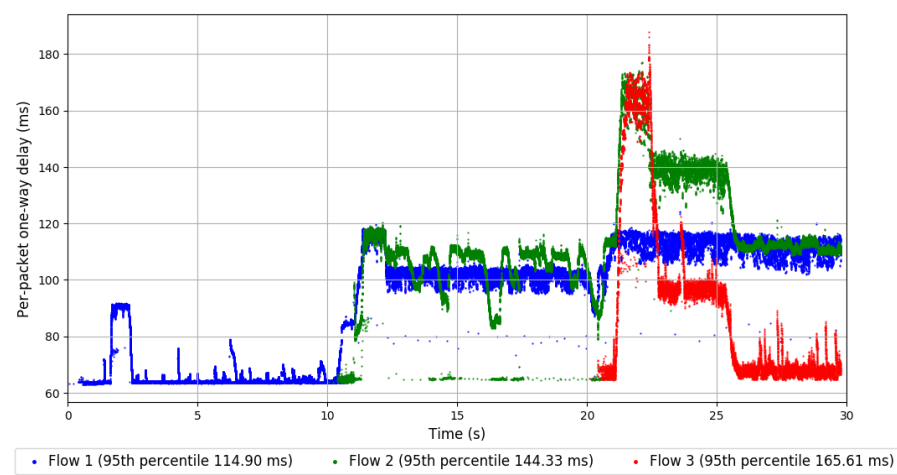
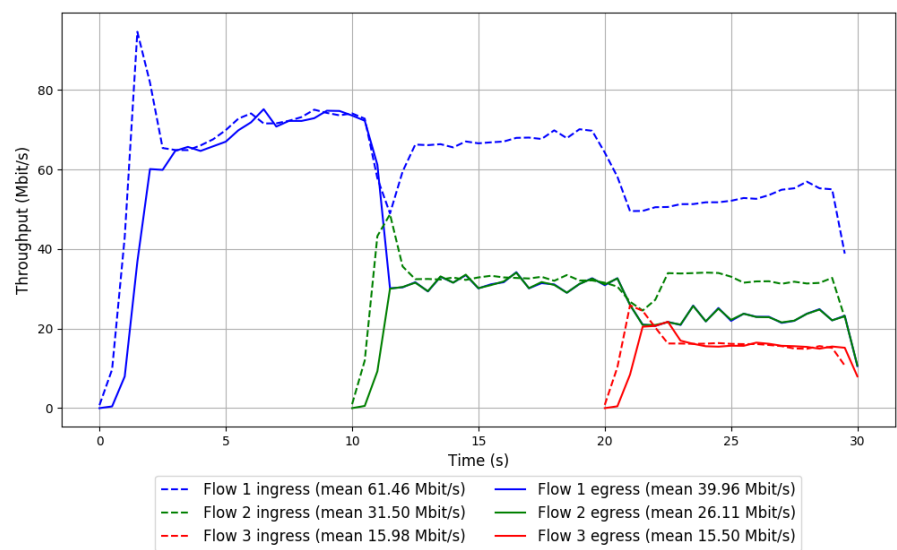


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-10 22:12:12
End at: 2018-07-10 22:12:42
Local clock offset: 0.944 ms
Remote clock offset: -1.003 ms

Below is generated by plot.py at 2018-07-11 00:18:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.33 Mbit/s
95th percentile per-packet one-way delay: 137.982 ms
Loss rate: 29.27%
-- Flow 1:
Average throughput: 39.96 Mbit/s
95th percentile per-packet one-way delay: 114.904 ms
Loss rate: 35.33%
-- Flow 2:
Average throughput: 26.11 Mbit/s
95th percentile per-packet one-way delay: 144.333 ms
Loss rate: 17.73%
-- Flow 3:
Average throughput: 15.50 Mbit/s
95th percentile per-packet one-way delay: 165.613 ms
Loss rate: 4.44%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-10 22:35:45

End at: 2018-07-10 22:36:15

Local clock offset: 0.886 ms

Remote clock offset: -1.46 ms

Below is generated by plot.py at 2018-07-11 00:18:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.44 Mbit/s

95th percentile per-packet one-way delay: 116.123 ms

Loss rate: 28.24%

-- Flow 1:

Average throughput: 39.83 Mbit/s

95th percentile per-packet one-way delay: 114.679 ms

Loss rate: 34.77%

-- Flow 2:

Average throughput: 26.41 Mbit/s

95th percentile per-packet one-way delay: 116.526 ms

Loss rate: 14.35%

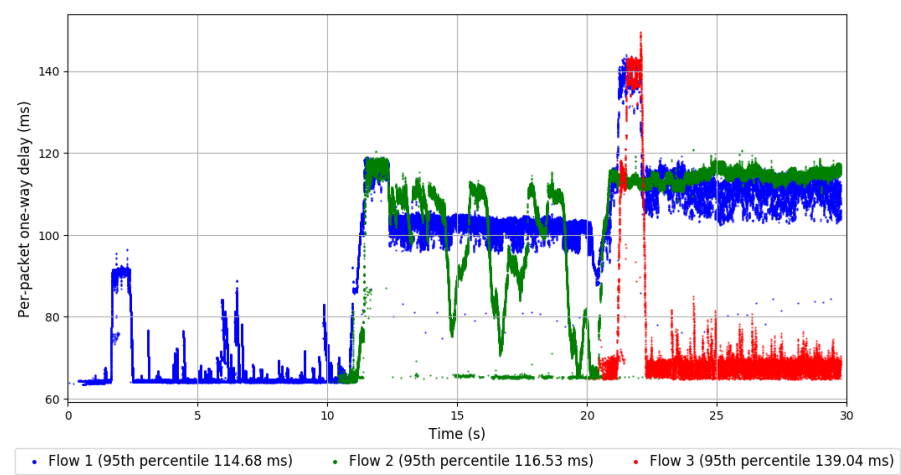
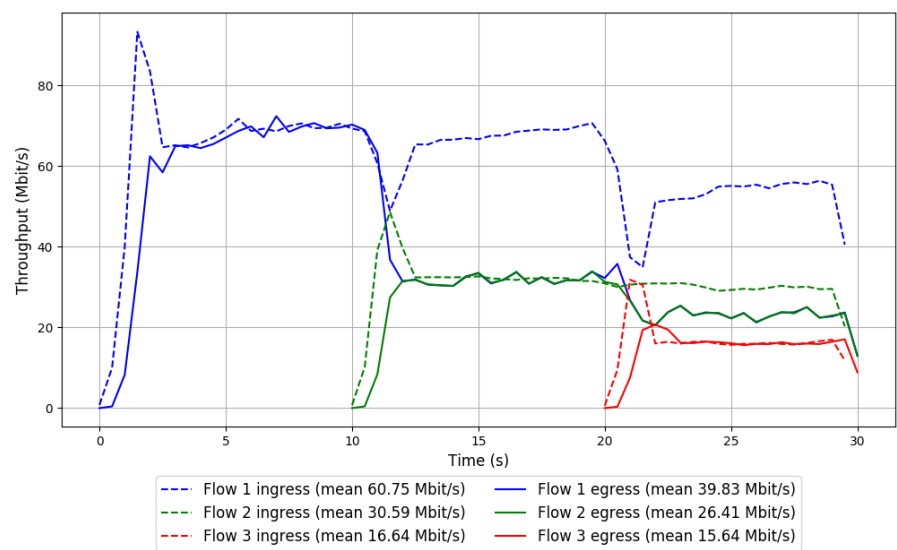
-- Flow 3:

Average throughput: 15.64 Mbit/s

95th percentile per-packet one-way delay: 139.045 ms

Loss rate: 7.41%

Run 6: Report of PCC-Allegro — Data Link

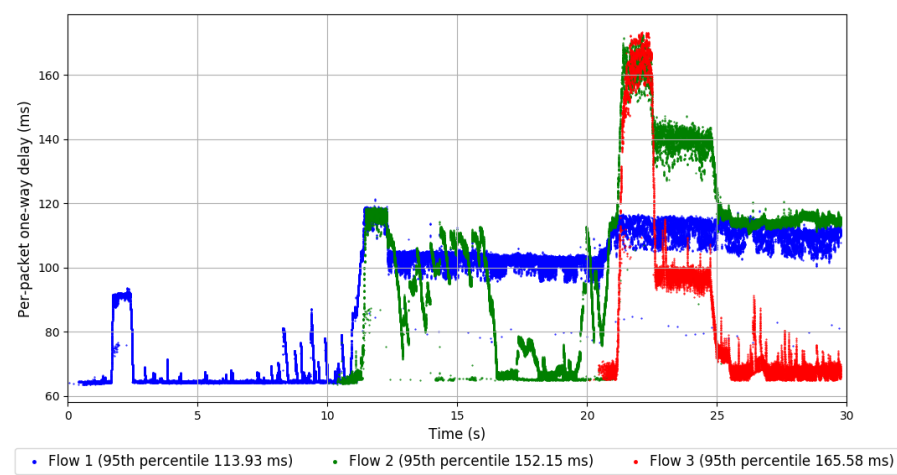
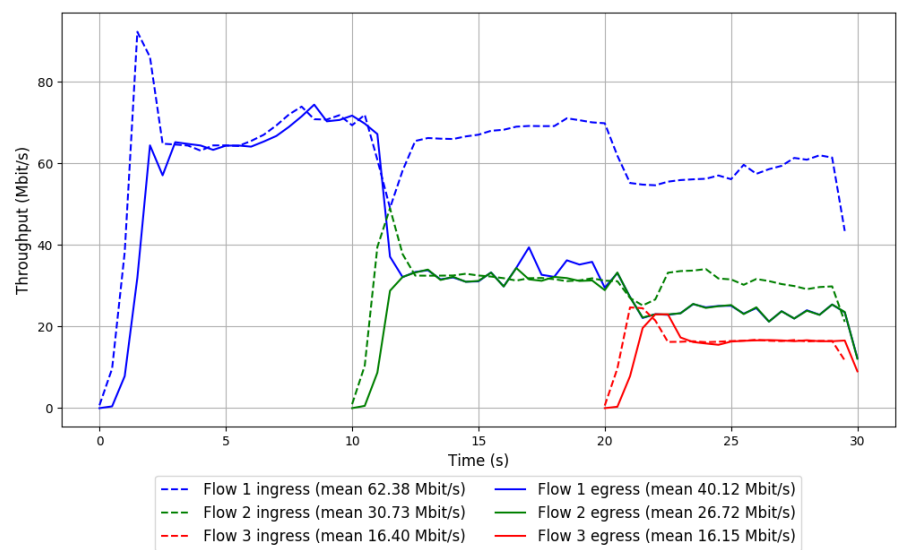


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-10 22:59:23
End at: 2018-07-10 22:59:53
Local clock offset: 0.873 ms
Remote clock offset: -0.967 ms

Below is generated by plot.py at 2018-07-11 00:18:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.10 Mbit/s
95th percentile per-packet one-way delay: 138.335 ms
Loss rate: 28.83%
-- Flow 1:
Average throughput: 40.12 Mbit/s
95th percentile per-packet one-way delay: 113.931 ms
Loss rate: 36.02%
-- Flow 2:
Average throughput: 26.72 Mbit/s
95th percentile per-packet one-way delay: 152.153 ms
Loss rate: 13.67%
-- Flow 3:
Average throughput: 16.15 Mbit/s
95th percentile per-packet one-way delay: 165.579 ms
Loss rate: 3.07%

Run 7: Report of PCC-Allegro — Data Link

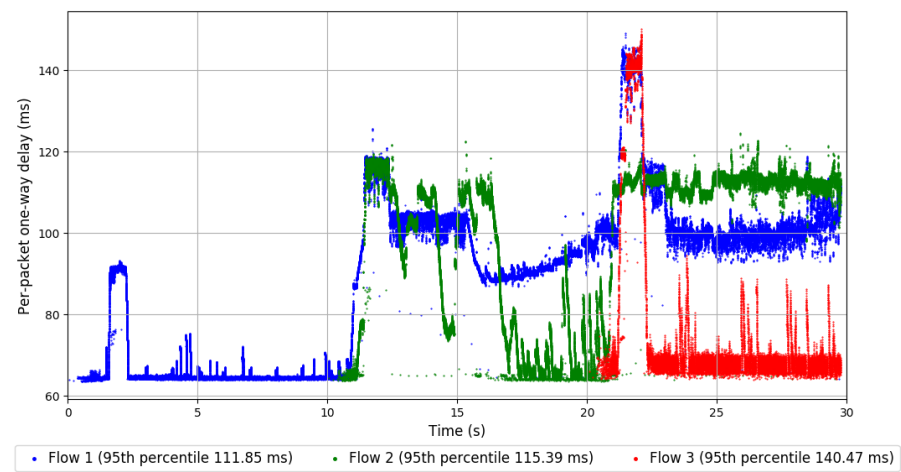
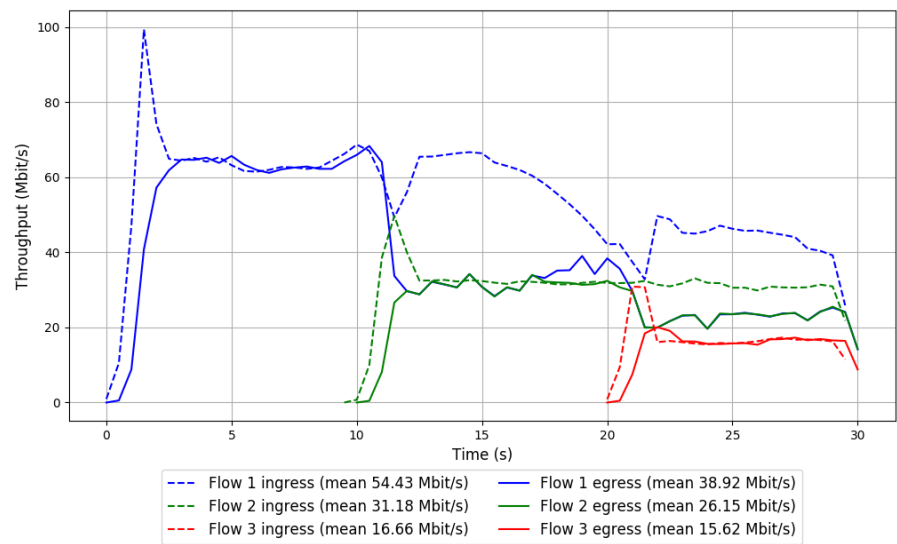


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-10 23:23:05
End at: 2018-07-10 23:23:35
Local clock offset: 0.82 ms
Remote clock offset: -1.178 ms

Below is generated by plot.py at 2018-07-11 00:18:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.36 Mbit/s
95th percentile per-packet one-way delay: 114.895 ms
Loss rate: 24.31%
-- Flow 1:
Average throughput: 38.92 Mbit/s
95th percentile per-packet one-way delay: 111.849 ms
Loss rate: 28.85%
-- Flow 2:
Average throughput: 26.15 Mbit/s
95th percentile per-packet one-way delay: 115.390 ms
Loss rate: 16.77%
-- Flow 3:
Average throughput: 15.62 Mbit/s
95th percentile per-packet one-way delay: 140.472 ms
Loss rate: 7.68%

Run 8: Report of PCC-Allegro — Data Link

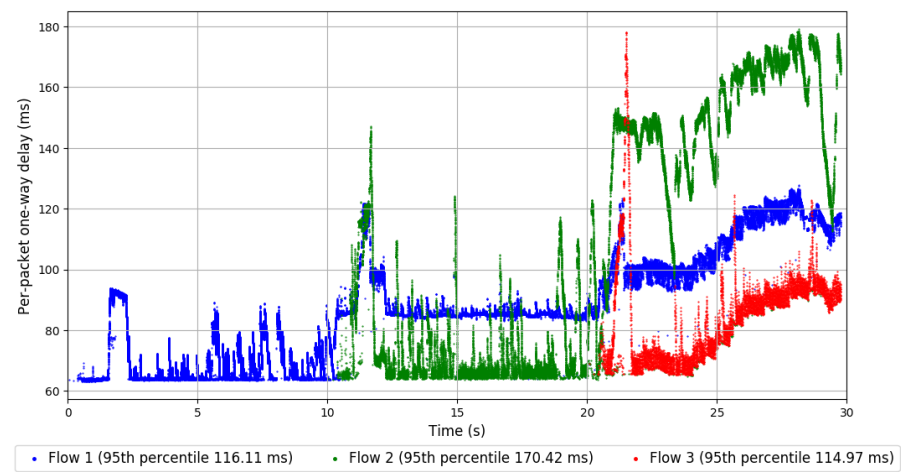
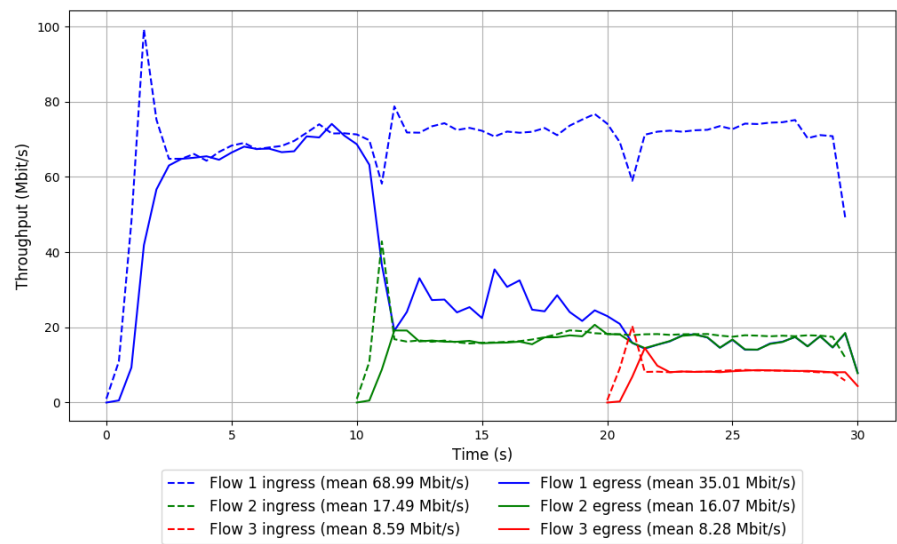


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-10 23:46:31
End at: 2018-07-10 23:47:01
Local clock offset: 0.476 ms
Remote clock offset: -1.458 ms

Below is generated by plot.py at 2018-07-11 00:19:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.36 Mbit/s
95th percentile per-packet one-way delay: 149.421 ms
Loss rate: 42.33%
-- Flow 1:
Average throughput: 35.01 Mbit/s
95th percentile per-packet one-way delay: 116.110 ms
Loss rate: 49.51%
-- Flow 2:
Average throughput: 16.07 Mbit/s
95th percentile per-packet one-way delay: 170.424 ms
Loss rate: 8.80%
-- Flow 3:
Average throughput: 8.28 Mbit/s
95th percentile per-packet one-way delay: 114.966 ms
Loss rate: 5.11%

Run 9: Report of PCC-Allegro — Data Link

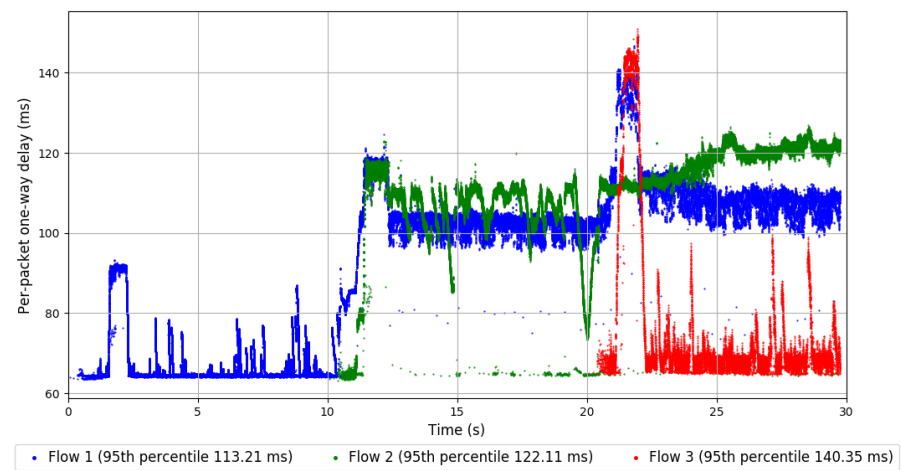
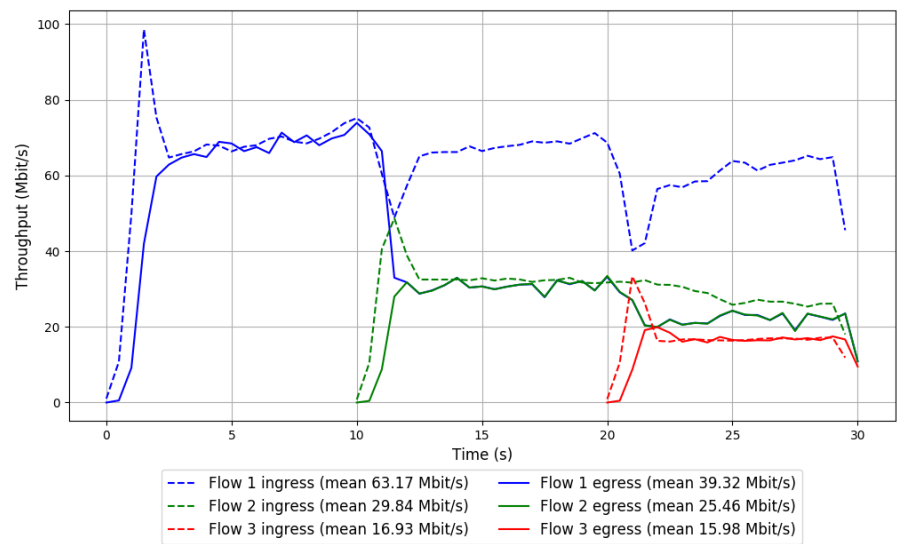


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-11 00:10:00
End at: 2018-07-11 00:10:30
Local clock offset: 0.346 ms
Remote clock offset: -0.804 ms

Below is generated by plot.py at 2018-07-11 00:19:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.41 Mbit/s
95th percentile per-packet one-way delay: 120.490 ms
Loss rate: 31.04%
-- Flow 1:
Average throughput: 39.32 Mbit/s
95th percentile per-packet one-way delay: 113.212 ms
Loss rate: 38.08%
-- Flow 2:
Average throughput: 25.46 Mbit/s
95th percentile per-packet one-way delay: 122.115 ms
Loss rate: 15.35%
-- Flow 3:
Average throughput: 15.98 Mbit/s
95th percentile per-packet one-way delay: 140.348 ms
Loss rate: 7.09%

Run 10: Report of PCC-Allegro — Data Link

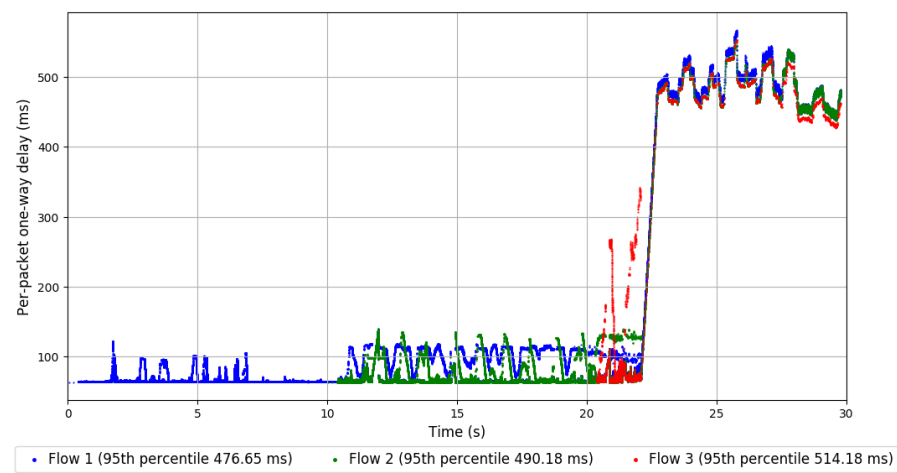
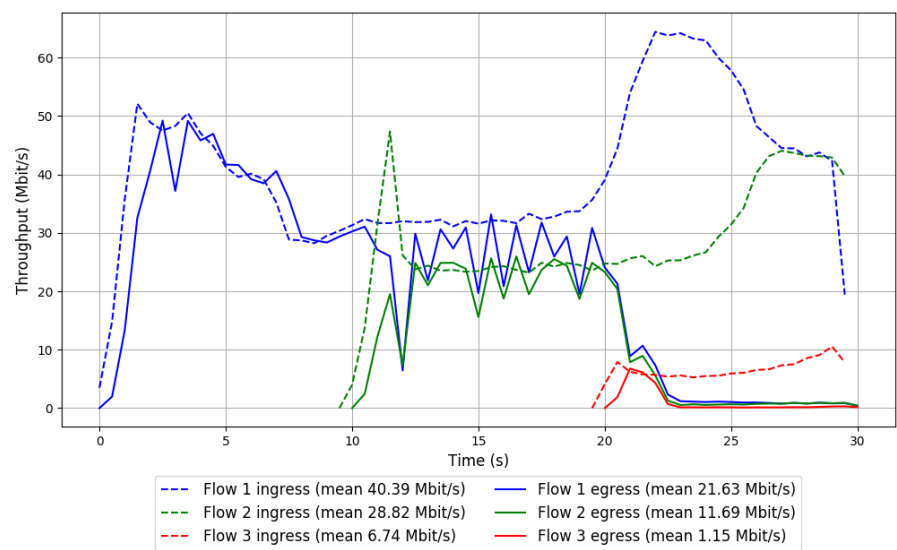


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-10 20:18:59
End at: 2018-07-10 20:19:29
Local clock offset: 0.844 ms
Remote clock offset: -1.159 ms

# Below is generated by plot.py at 2018-07-11 00:19:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.77 Mbit/s
95th percentile per-packet one-way delay: 483.915 ms
Loss rate: 51.92%
-- Flow 1:
Average throughput: 21.63 Mbit/s
95th percentile per-packet one-way delay: 476.647 ms
Loss rate: 46.46%
-- Flow 2:
Average throughput: 11.69 Mbit/s
95th percentile per-packet one-way delay: 490.176 ms
Loss rate: 59.72%
-- Flow 3:
Average throughput: 1.15 Mbit/s
95th percentile per-packet one-way delay: 514.182 ms
Loss rate: 83.25%
```


Run 1: Report of PCC-Expr — Data Link

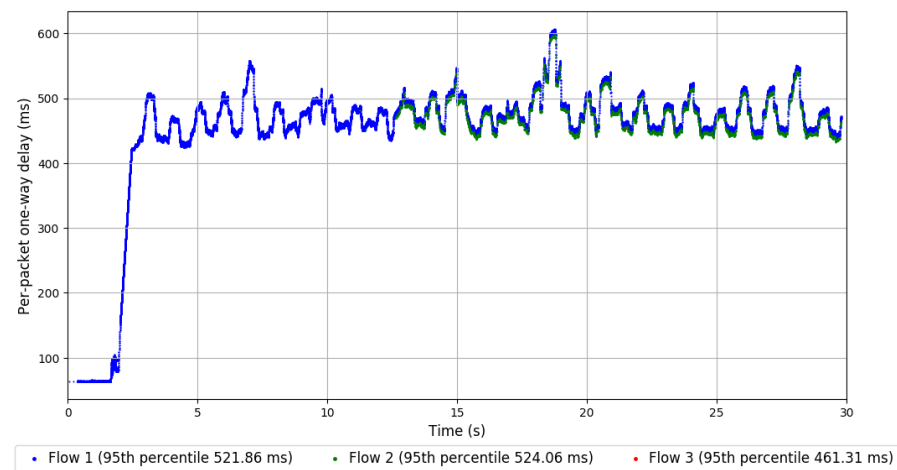
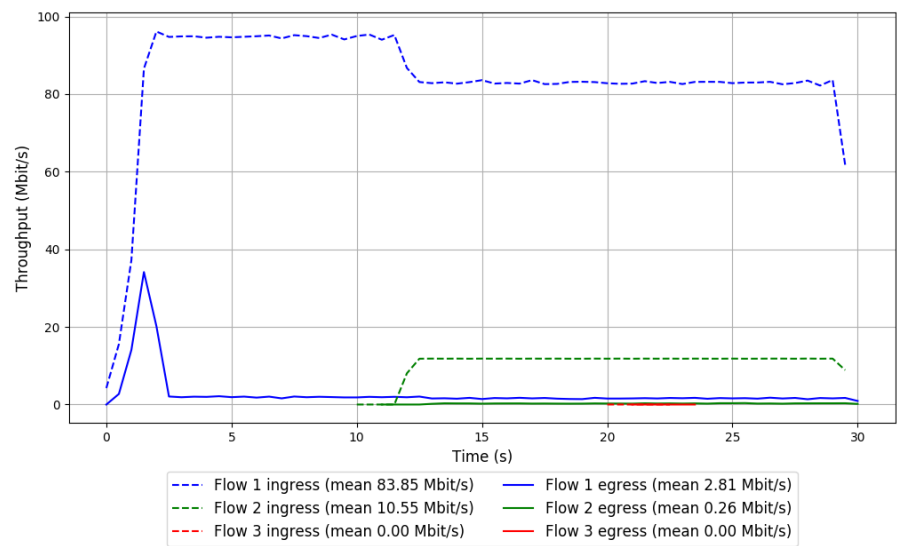


```
Run 2: Statistics of PCC-Expr

Start at: 2018-07-10 20:42:28
End at: 2018-07-10 20:42:58
Local clock offset: 1.168 ms
Remote clock offset: 0.199 ms

# Below is generated by plot.py at 2018-07-11 00:19:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.98 Mbit/s
95th percentile per-packet one-way delay: 522.082 ms
Loss rate: 96.74%
-- Flow 1:
Average throughput: 2.81 Mbit/s
95th percentile per-packet one-way delay: 521.861 ms
Loss rate: 96.66%
-- Flow 2:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 524.062 ms
Loss rate: 97.68%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 461.309 ms
Loss rate: 84.62%
```

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-10 21:05:55

End at: 2018-07-10 21:06:25

Local clock offset: 1.279 ms

Remote clock offset: 0.357 ms

Below is generated by plot.py at 2018-07-11 00:19:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 39.92 Mbit/s

95th percentile per-packet one-way delay: 108.613 ms

Loss rate: 7.19%

-- Flow 1:

Average throughput: 28.72 Mbit/s

95th percentile per-packet one-way delay: 108.213 ms

Loss rate: 9.18%

-- Flow 2:

Average throughput: 13.11 Mbit/s

95th percentile per-packet one-way delay: 114.919 ms

Loss rate: 1.59%

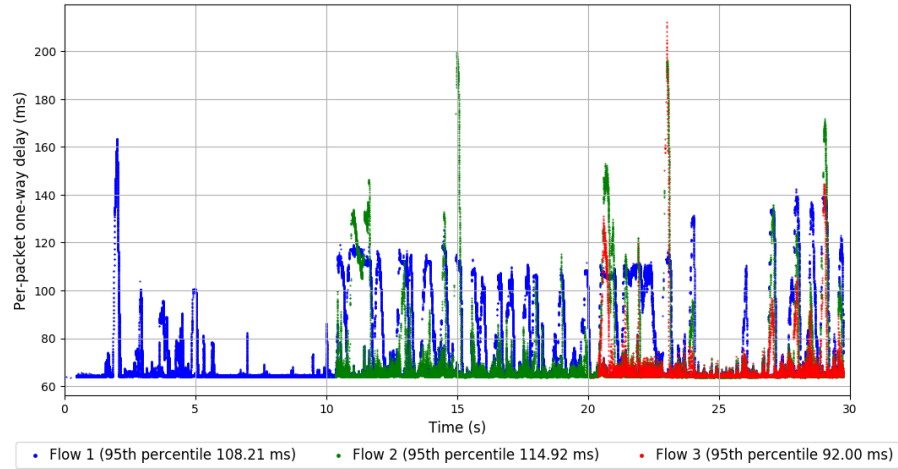
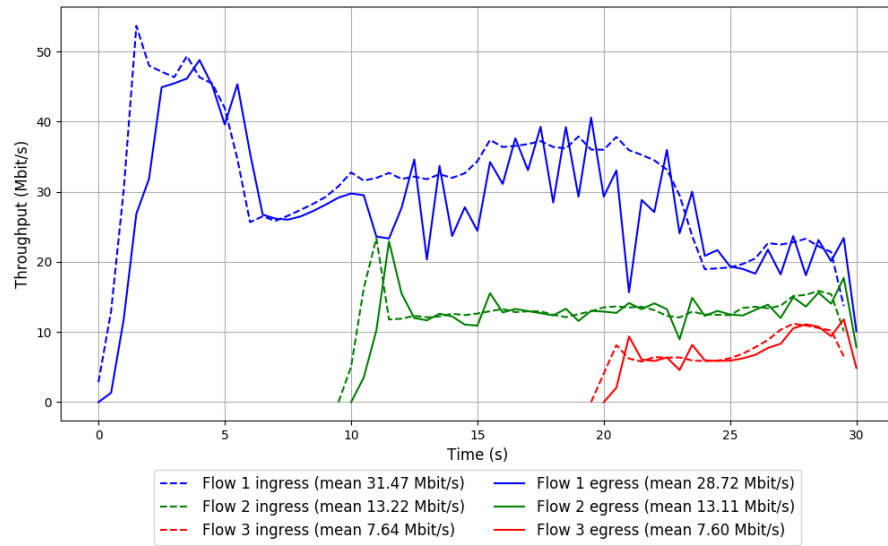
-- Flow 3:

Average throughput: 7.60 Mbit/s

95th percentile per-packet one-way delay: 91.997 ms

Loss rate: 1.94%

Run 3: Report of PCC-Expr — Data Link

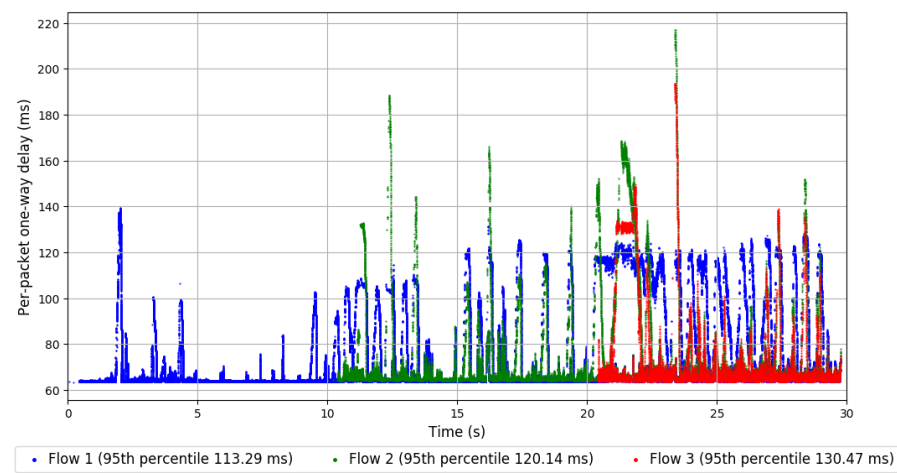
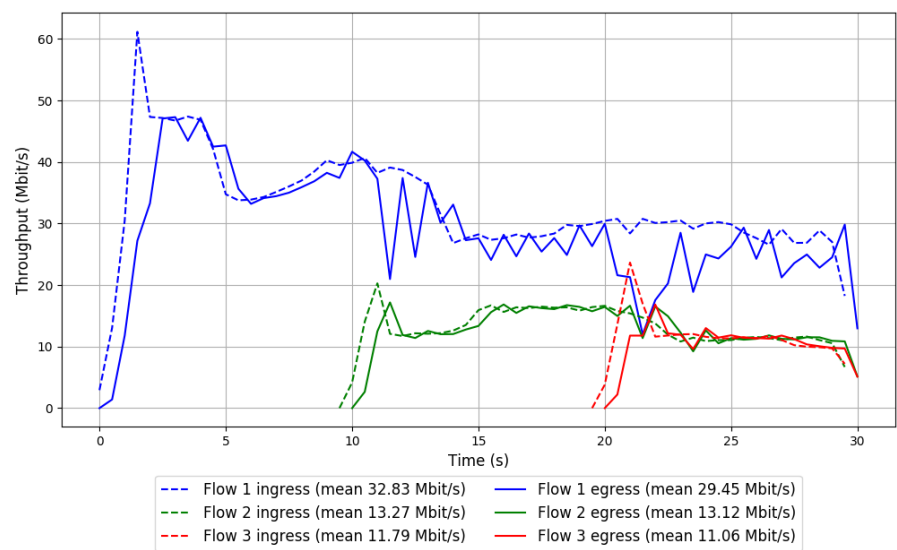


Run 4: Statistics of PCC-Expr

Start at: 2018-07-10 21:29:24
End at: 2018-07-10 21:29:54
Local clock offset: 1.184 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-07-11 00:19:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.78 Mbit/s
95th percentile per-packet one-way delay: 114.402 ms
Loss rate: 8.76%
-- Flow 1:
Average throughput: 29.45 Mbit/s
95th percentile per-packet one-way delay: 113.291 ms
Loss rate: 10.75%
-- Flow 2:
Average throughput: 13.12 Mbit/s
95th percentile per-packet one-way delay: 120.138 ms
Loss rate: 1.88%
-- Flow 3:
Average throughput: 11.06 Mbit/s
95th percentile per-packet one-way delay: 130.465 ms
Loss rate: 7.62%

Run 4: Report of PCC-Expr — Data Link

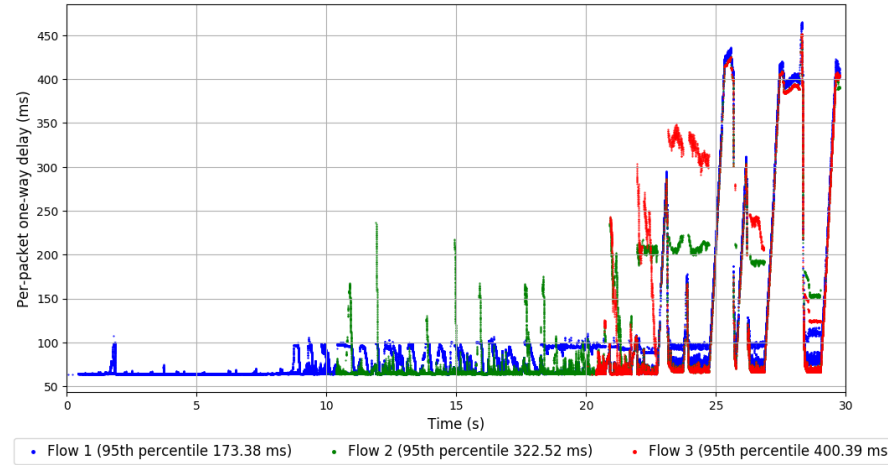
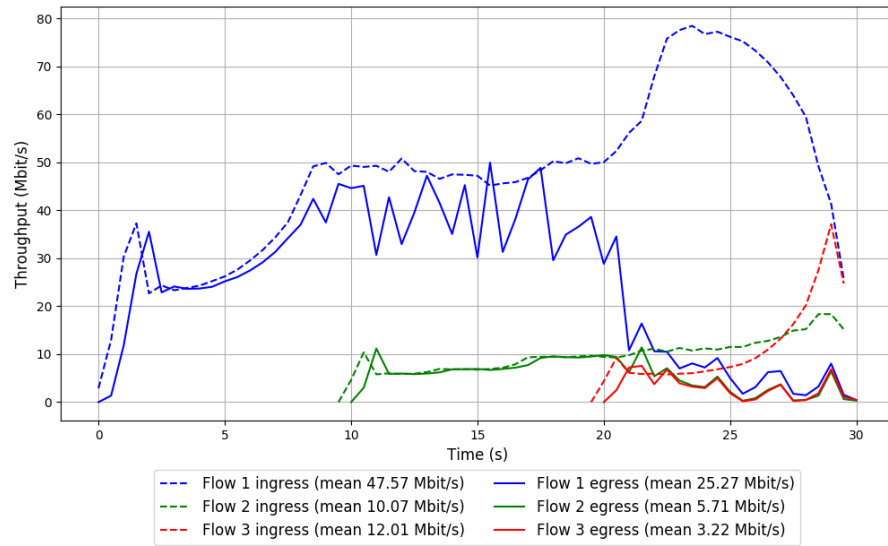


Run 5: Statistics of PCC-Expr

Start at: 2018-07-10 21:52:52
End at: 2018-07-10 21:53:22
Local clock offset: 0.989 ms
Remote clock offset: -0.664 ms

Below is generated by plot.py at 2018-07-11 00:19:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.11 Mbit/s
95th percentile per-packet one-way delay: 251.174 ms
Loss rate: 48.58%
-- Flow 1:
Average throughput: 25.27 Mbit/s
95th percentile per-packet one-way delay: 173.385 ms
Loss rate: 47.17%
-- Flow 2:
Average throughput: 5.71 Mbit/s
95th percentile per-packet one-way delay: 322.517 ms
Loss rate: 43.76%
-- Flow 3:
Average throughput: 3.22 Mbit/s
95th percentile per-packet one-way delay: 400.391 ms
Loss rate: 73.63%

Run 5: Report of PCC-Expr — Data Link

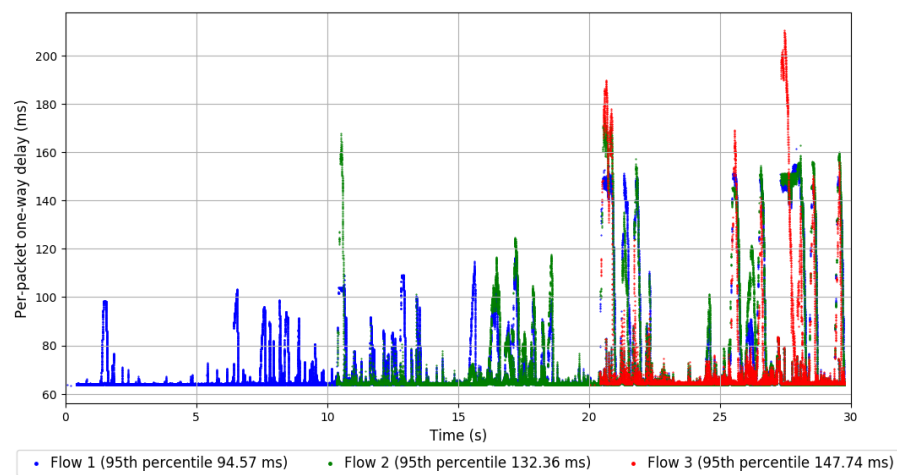
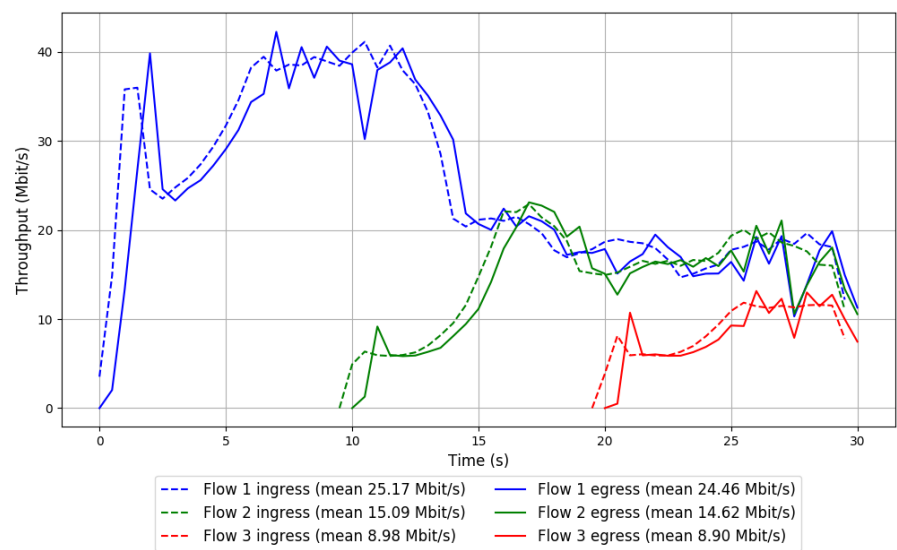


Run 6: Statistics of PCC-Expr

Start at: 2018-07-10 22:16:24
End at: 2018-07-10 22:16:54
Local clock offset: 0.937 ms
Remote clock offset: -1.091 ms

Below is generated by plot.py at 2018-07-11 00:19:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.08 Mbit/s
95th percentile per-packet one-way delay: 108.432 ms
Loss rate: 3.40%
-- Flow 1:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 94.570 ms
Loss rate: 3.33%
-- Flow 2:
Average throughput: 14.62 Mbit/s
95th percentile per-packet one-way delay: 132.358 ms
Loss rate: 3.88%
-- Flow 3:
Average throughput: 8.90 Mbit/s
95th percentile per-packet one-way delay: 147.736 ms
Loss rate: 2.43%

Run 6: Report of PCC-Expr — Data Link

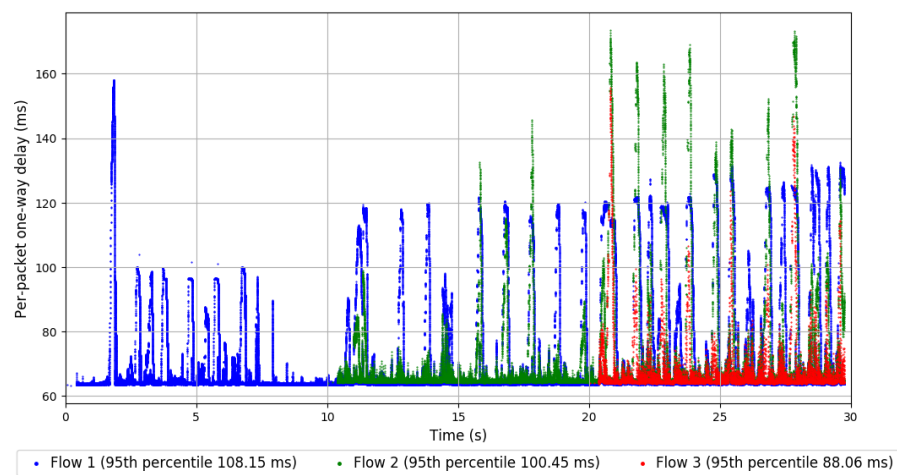
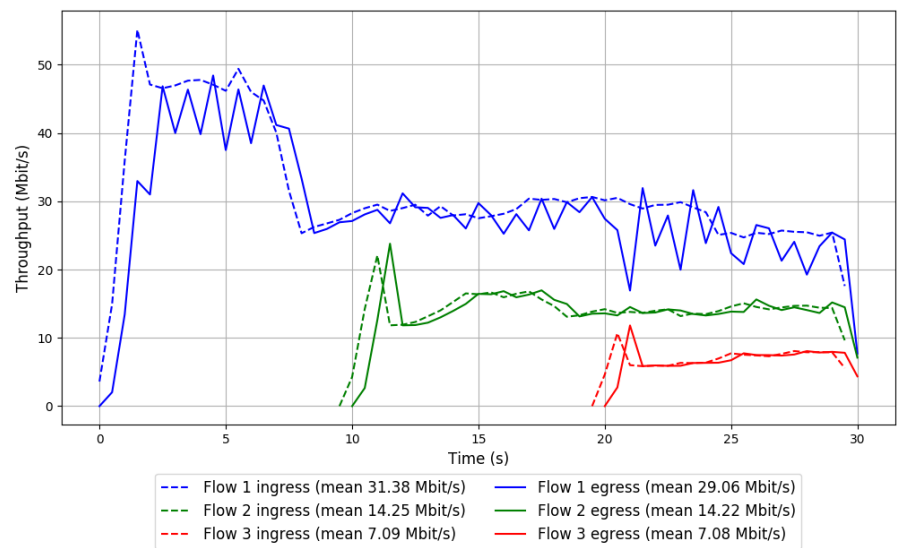


Run 7: Statistics of PCC-Expr

Start at: 2018-07-10 22:39:58
End at: 2018-07-10 22:40:28
Local clock offset: 1.127 ms
Remote clock offset: -1.497 ms

Below is generated by plot.py at 2018-07-11 00:20:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.82 Mbit/s
95th percentile per-packet one-way delay: 105.234 ms
Loss rate: 5.99%
-- Flow 1:
Average throughput: 29.06 Mbit/s
95th percentile per-packet one-way delay: 108.151 ms
Loss rate: 7.84%
-- Flow 2:
Average throughput: 14.22 Mbit/s
95th percentile per-packet one-way delay: 100.454 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 7.08 Mbit/s
95th percentile per-packet one-way delay: 88.062 ms
Loss rate: 1.68%

Run 7: Report of PCC-Expr — Data Link

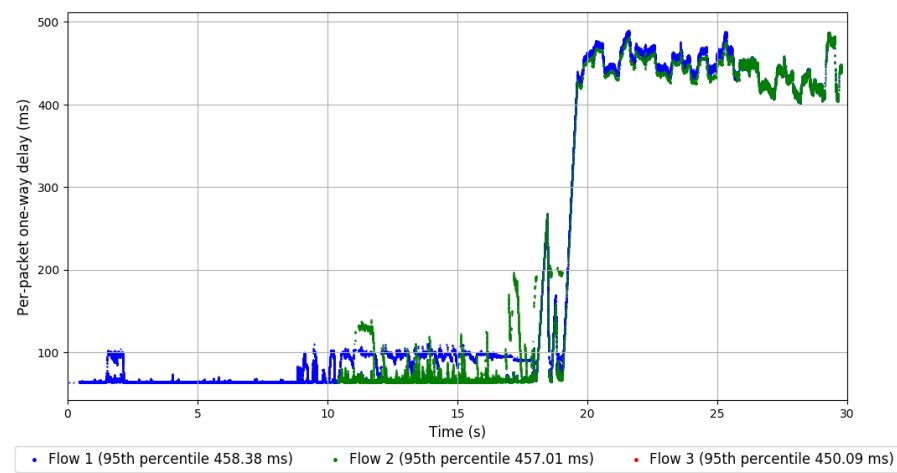
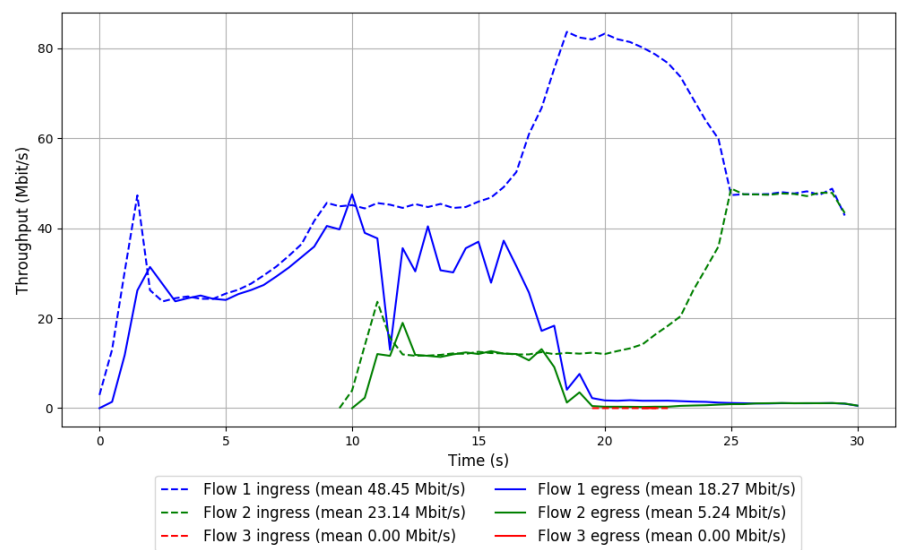


Run 8: Statistics of PCC-Expr

Start at: 2018-07-10 23:03:37
End at: 2018-07-10 23:04:07
Local clock offset: 0.937 ms
Remote clock offset: -0.919 ms

Below is generated by plot.py at 2018-07-11 00:20:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 21.74 Mbit/s
95th percentile per-packet one-way delay: 457.982 ms
Loss rate: 66.23%
-- Flow 1:
Average throughput: 18.27 Mbit/s
95th percentile per-packet one-way delay: 458.377 ms
Loss rate: 62.60%
-- Flow 2:
Average throughput: 5.24 Mbit/s
95th percentile per-packet one-way delay: 457.014 ms
Loss rate: 77.65%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 450.088 ms
Loss rate: 92.31%

Run 8: Report of PCC-Expr — Data Link

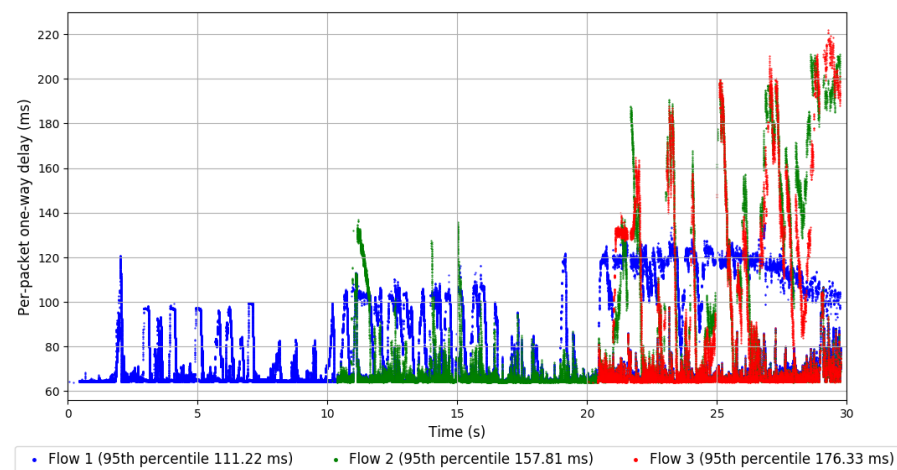
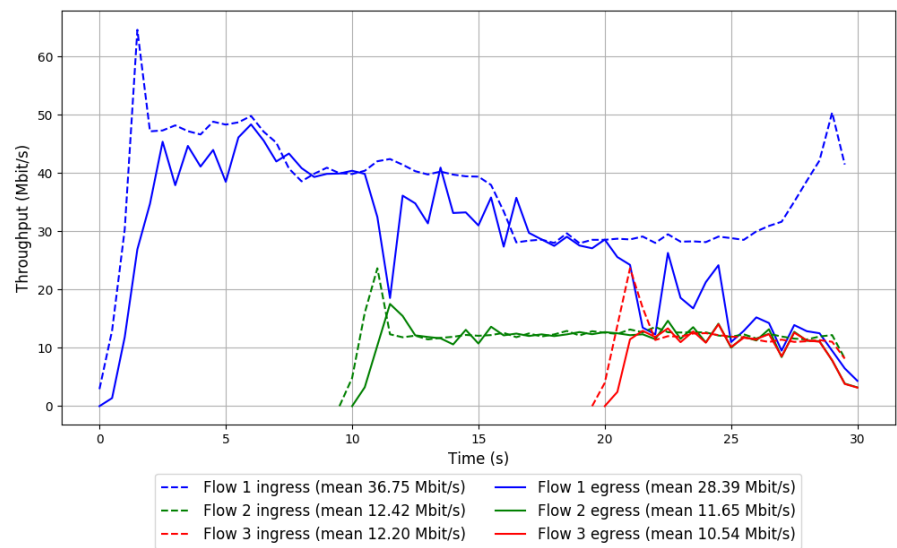


Run 9: Statistics of PCC-Expr

Start at: 2018-07-10 23:27:18
End at: 2018-07-10 23:27:48
Local clock offset: 0.656 ms
Remote clock offset: -1.269 ms

Below is generated by plot.py at 2018-07-11 00:20:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.57 Mbit/s
95th percentile per-packet one-way delay: 120.187 ms
Loss rate: 19.78%
-- Flow 1:
Average throughput: 28.39 Mbit/s
95th percentile per-packet one-way delay: 111.223 ms
Loss rate: 23.19%
-- Flow 2:
Average throughput: 11.65 Mbit/s
95th percentile per-packet one-way delay: 157.811 ms
Loss rate: 6.96%
-- Flow 3:
Average throughput: 10.54 Mbit/s
95th percentile per-packet one-way delay: 176.328 ms
Loss rate: 15.03%

Run 9: Report of PCC-Expr — Data Link

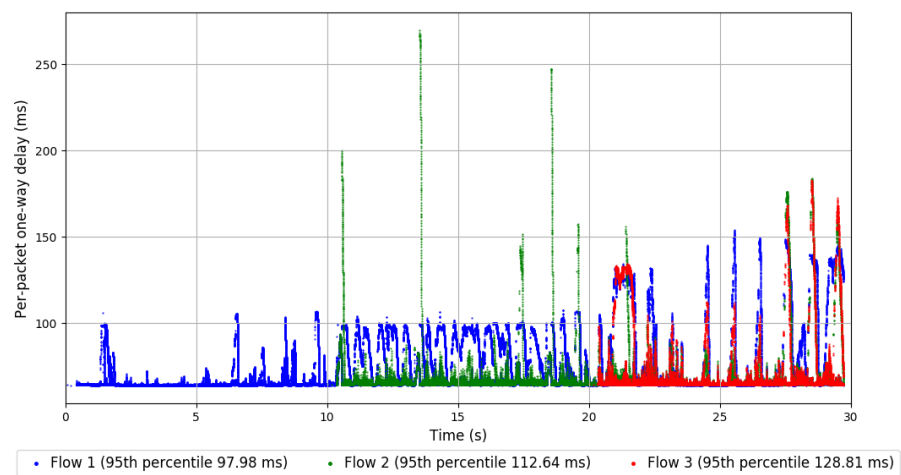
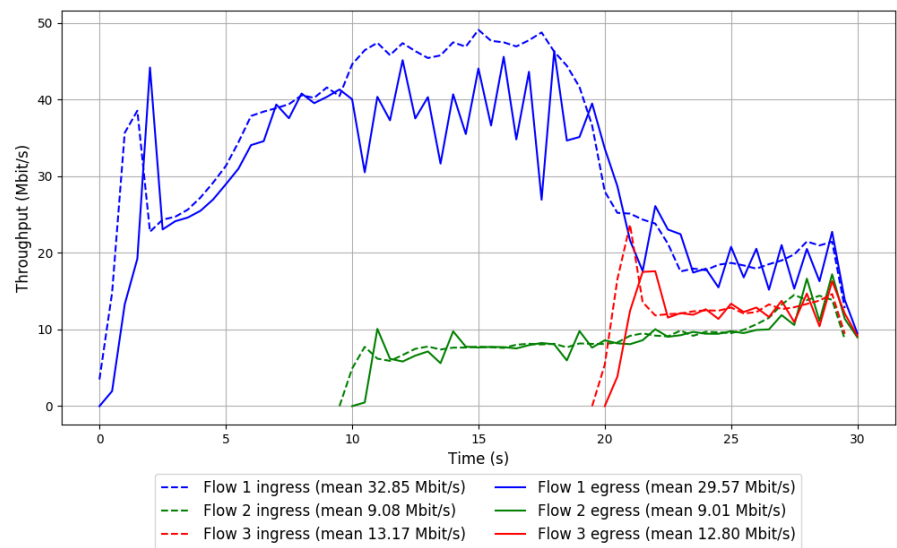


Run 10: Statistics of PCC-Expr

Start at: 2018-07-10 23:50:44
End at: 2018-07-10 23:51:14
Local clock offset: 0.573 ms
Remote clock offset: -1.501 ms

Below is generated by plot.py at 2018-07-11 00:20:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.74 Mbit/s
95th percentile per-packet one-way delay: 99.153 ms
Loss rate: 8.59%
-- Flow 1:
Average throughput: 29.57 Mbit/s
95th percentile per-packet one-way delay: 97.984 ms
Loss rate: 10.46%
-- Flow 2:
Average throughput: 9.01 Mbit/s
95th percentile per-packet one-way delay: 112.635 ms
Loss rate: 1.56%
-- Flow 3:
Average throughput: 12.80 Mbit/s
95th percentile per-packet one-way delay: 128.815 ms
Loss rate: 4.29%

Run 10: Report of PCC-Expr — Data Link

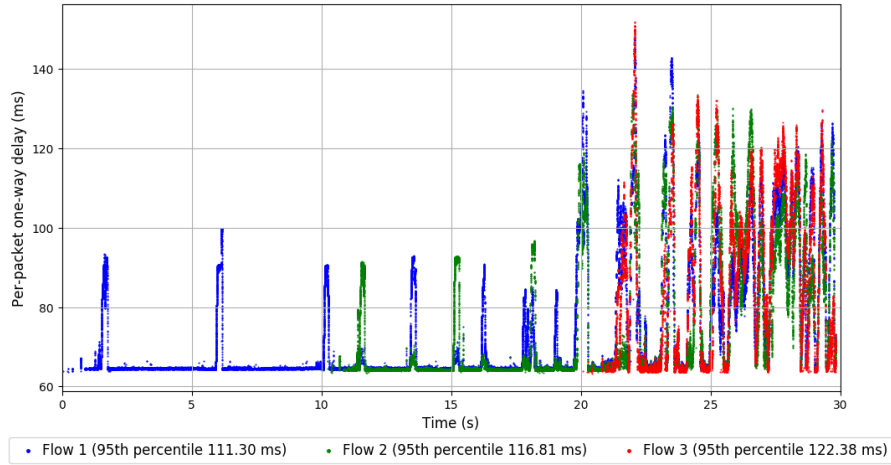
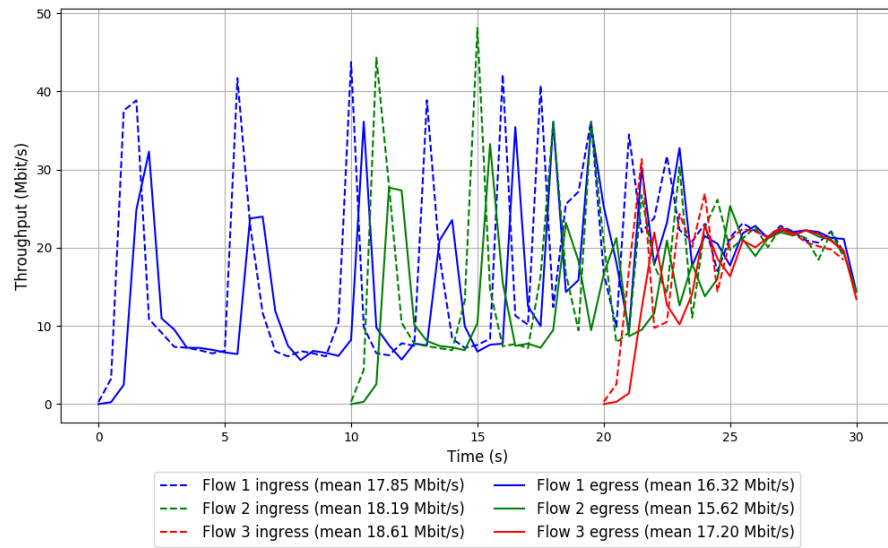


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-10 20:21:53
End at: 2018-07-10 20:22:23
Local clock offset: 1.017 ms
Remote clock offset: -1.094 ms

Below is generated by plot.py at 2018-07-11 00:20:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 32.31 Mbit/s
95th percentile per-packet one-way delay: 116.055 ms
Loss rate: 10.97%
-- Flow 1:
Average throughput: 16.32 Mbit/s
95th percentile per-packet one-way delay: 111.301 ms
Loss rate: 9.06%
-- Flow 2:
Average throughput: 15.62 Mbit/s
95th percentile per-packet one-way delay: 116.813 ms
Loss rate: 14.80%
-- Flow 3:
Average throughput: 17.20 Mbit/s
95th percentile per-packet one-way delay: 122.375 ms
Loss rate: 8.99%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-10 20:45:17

End at: 2018-07-10 20:45:47

Local clock offset: 1.216 ms

Remote clock offset: 0.299 ms

Below is generated by plot.py at 2018-07-11 00:20:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 32.40 Mbit/s

95th percentile per-packet one-way delay: 117.893 ms

Loss rate: 9.64%

-- Flow 1:

Average throughput: 16.32 Mbit/s

95th percentile per-packet one-way delay: 113.867 ms

Loss rate: 9.44%

-- Flow 2:

Average throughput: 14.84 Mbit/s

95th percentile per-packet one-way delay: 119.597 ms

Loss rate: 13.05%

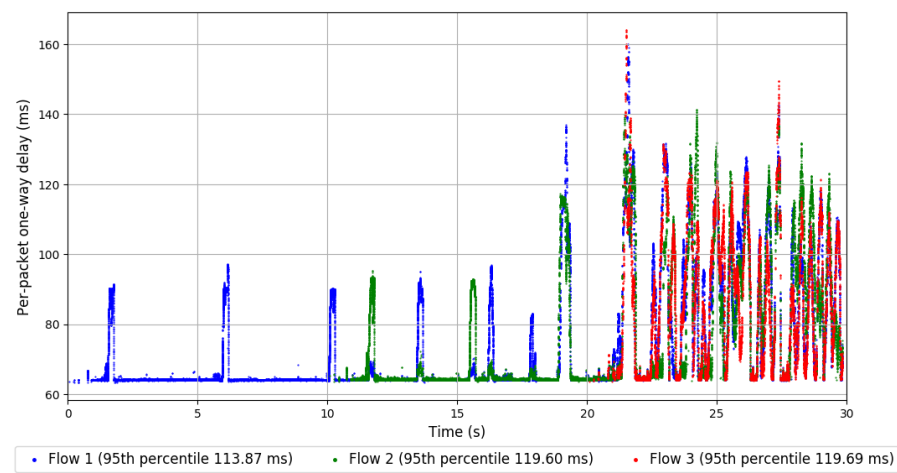
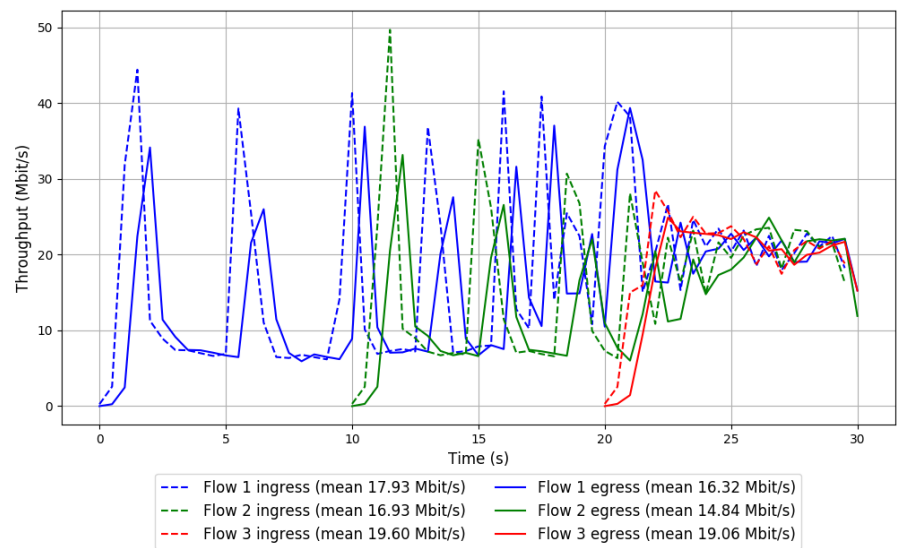
-- Flow 3:

Average throughput: 19.06 Mbit/s

95th percentile per-packet one-way delay: 119.690 ms

Loss rate: 4.30%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-10 21:08:44

End at: 2018-07-10 21:09:14

Local clock offset: 1.31 ms

Remote clock offset: 0.156 ms

Below is generated by plot.py at 2018-07-11 00:20:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 32.50 Mbit/s

95th percentile per-packet one-way delay: 120.599 ms

Loss rate: 11.38%

-- Flow 1:

Average throughput: 16.08 Mbit/s

95th percentile per-packet one-way delay: 117.727 ms

Loss rate: 9.88%

-- Flow 2:

Average throughput: 15.91 Mbit/s

95th percentile per-packet one-way delay: 119.651 ms

Loss rate: 17.14%

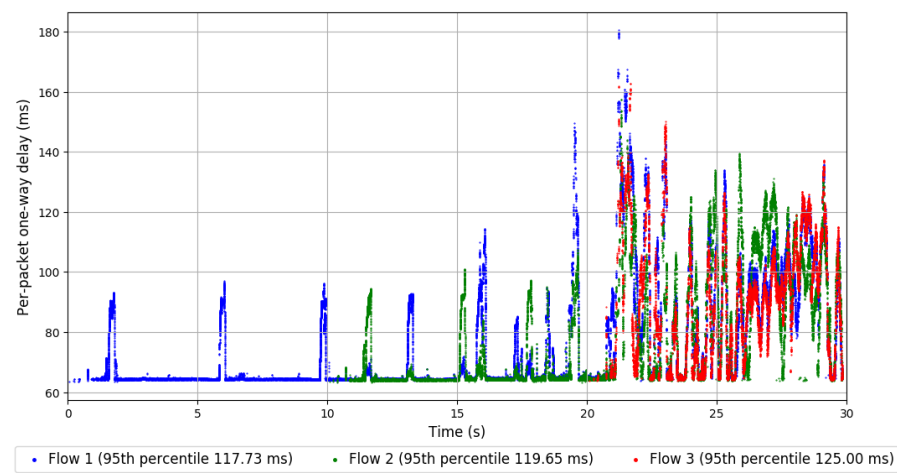
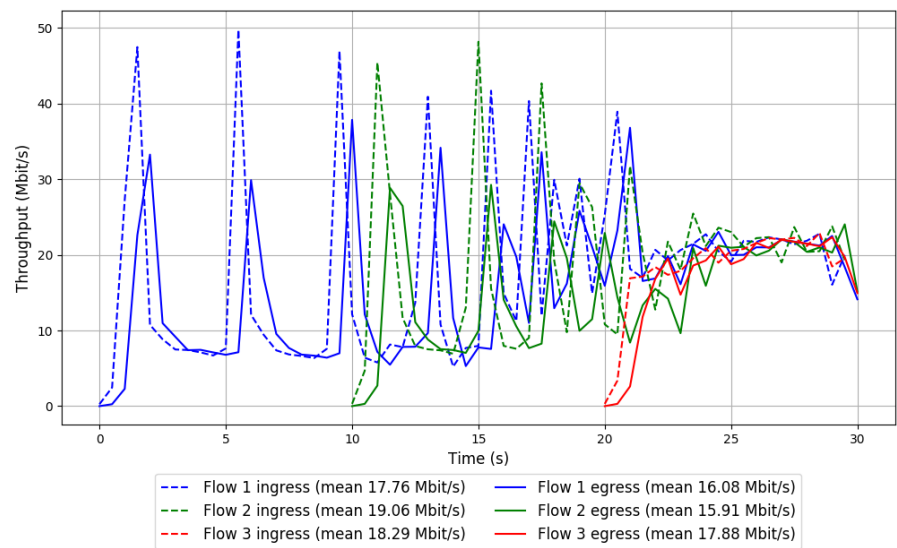
-- Flow 3:

Average throughput: 17.88 Mbit/s

95th percentile per-packet one-way delay: 124.999 ms

Loss rate: 3.71%

Run 3: Report of QUIC Cubic — Data Link

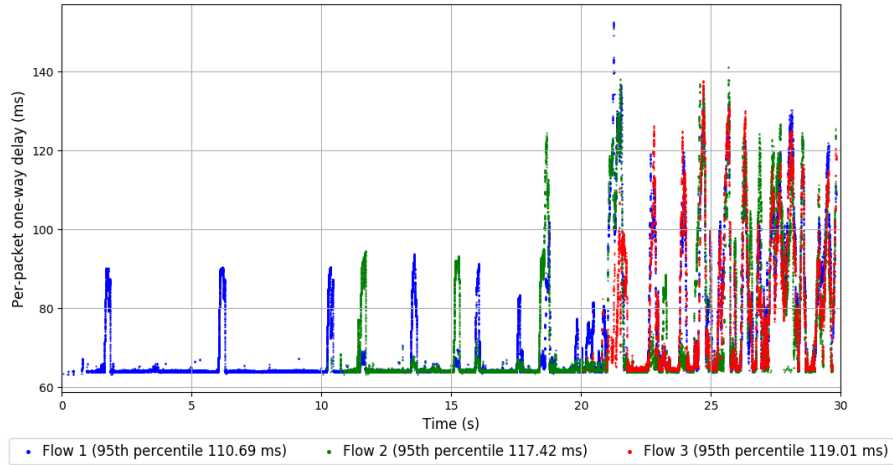
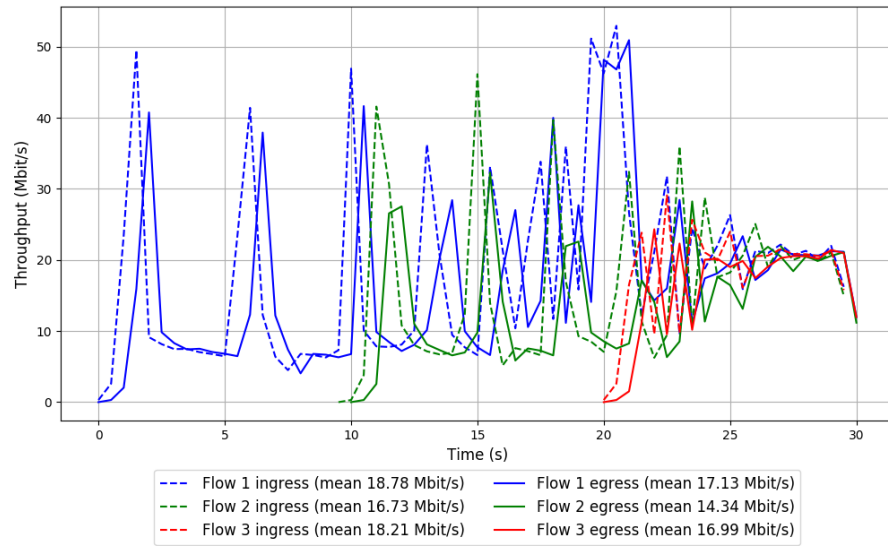


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-10 21:32:13
End at: 2018-07-10 21:32:43
Local clock offset: 1.006 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-07-11 00:20:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 32.21 Mbit/s
95th percentile per-packet one-way delay: 115.556 ms
Loss rate: 10.86%
-- Flow 1:
Average throughput: 17.13 Mbit/s
95th percentile per-packet one-way delay: 110.687 ms
Loss rate: 9.28%
-- Flow 2:
Average throughput: 14.34 Mbit/s
95th percentile per-packet one-way delay: 117.421 ms
Loss rate: 14.97%
-- Flow 3:
Average throughput: 16.99 Mbit/s
95th percentile per-packet one-way delay: 119.007 ms
Loss rate: 8.19%

Run 4: Report of QUIC Cubic — Data Link

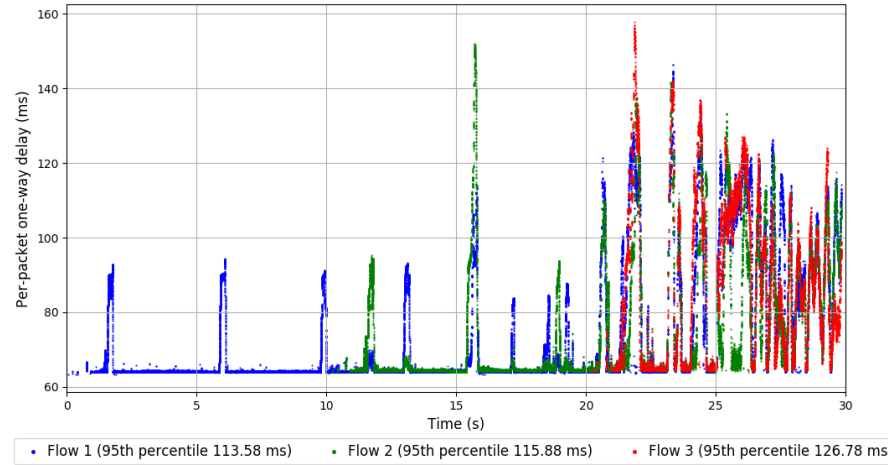
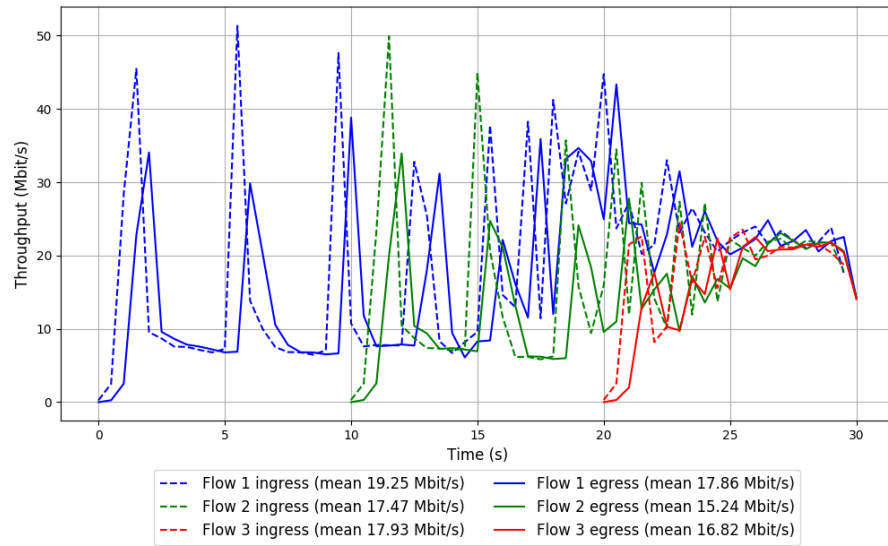


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-10 21:55:47
End at: 2018-07-10 21:56:17
Local clock offset: 1.16 ms
Remote clock offset: -0.851 ms

Below is generated by plot.py at 2018-07-11 00:20:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 33.47 Mbit/s
95th percentile per-packet one-way delay: 116.773 ms
Loss rate: 9.48%
-- Flow 1:
Average throughput: 17.86 Mbit/s
95th percentile per-packet one-way delay: 113.576 ms
Loss rate: 7.68%
-- Flow 2:
Average throughput: 15.24 Mbit/s
95th percentile per-packet one-way delay: 115.882 ms
Loss rate: 13.41%
-- Flow 3:
Average throughput: 16.82 Mbit/s
95th percentile per-packet one-way delay: 126.780 ms
Loss rate: 7.64%

Run 5: Report of QUIC Cubic — Data Link

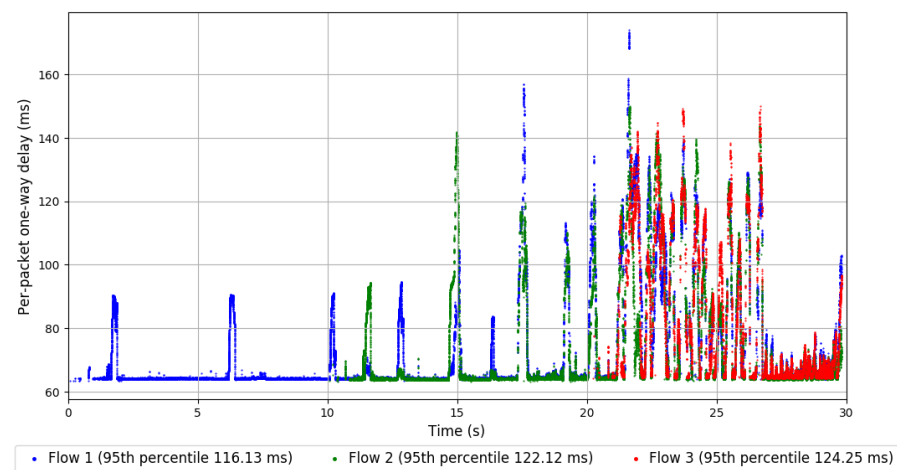
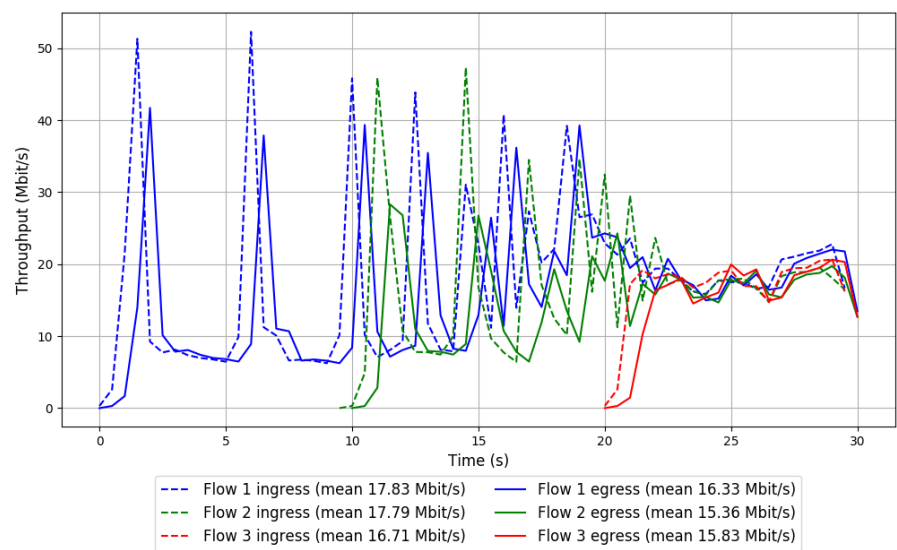


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-10 22:19:13
End at: 2018-07-10 22:19:43
Local clock offset: 1.181 ms
Remote clock offset: -1.205 ms

Below is generated by plot.py at 2018-07-11 00:20:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 31.70 Mbit/s
95th percentile per-packet one-way delay: 120.277 ms
Loss rate: 10.37%
-- Flow 1:
Average throughput: 16.33 Mbit/s
95th percentile per-packet one-way delay: 116.127 ms
Loss rate: 8.88%
-- Flow 2:
Average throughput: 15.36 Mbit/s
95th percentile per-packet one-way delay: 122.123 ms
Loss rate: 14.34%
-- Flow 3:
Average throughput: 15.83 Mbit/s
95th percentile per-packet one-way delay: 124.250 ms
Loss rate: 6.68%

Run 6: Report of QUIC Cubic — Data Link

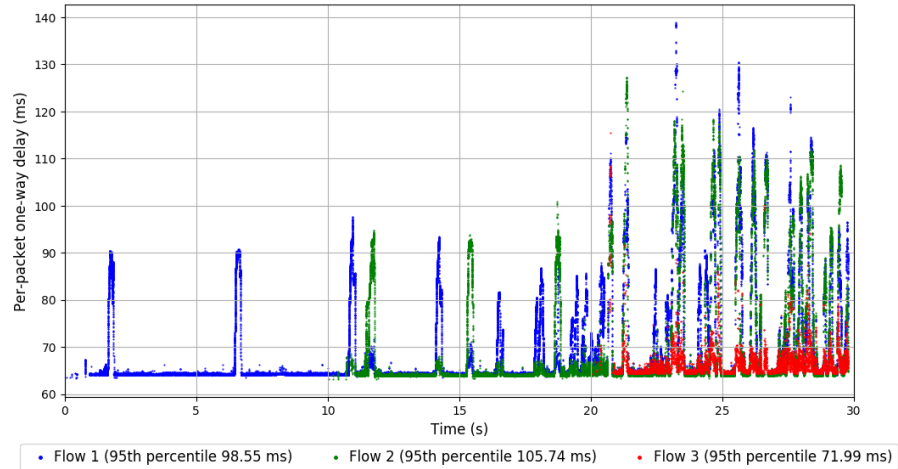
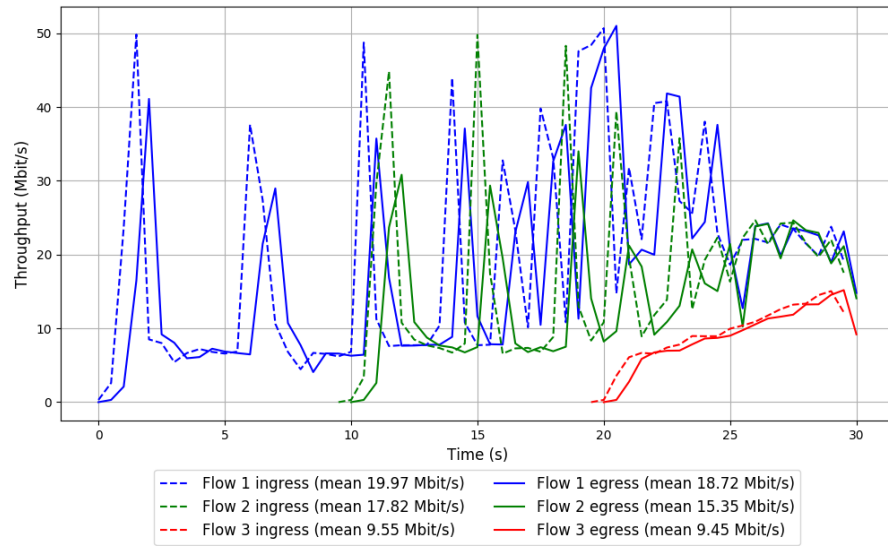


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-10 22:42:47
End at: 2018-07-10 22:43:17
Local clock offset: 0.89 ms
Remote clock offset: -1.521 ms

Below is generated by plot.py at 2018-07-11 00:20:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 32.01 Mbit/s
95th percentile per-packet one-way delay: 100.781 ms
Loss rate: 9.00%
-- Flow 1:
Average throughput: 18.72 Mbit/s
95th percentile per-packet one-way delay: 98.549 ms
Loss rate: 6.75%
-- Flow 2:
Average throughput: 15.35 Mbit/s
95th percentile per-packet one-way delay: 105.738 ms
Loss rate: 14.52%
-- Flow 3:
Average throughput: 9.45 Mbit/s
95th percentile per-packet one-way delay: 71.986 ms
Loss rate: 2.56%

Run 7: Report of QUIC Cubic — Data Link

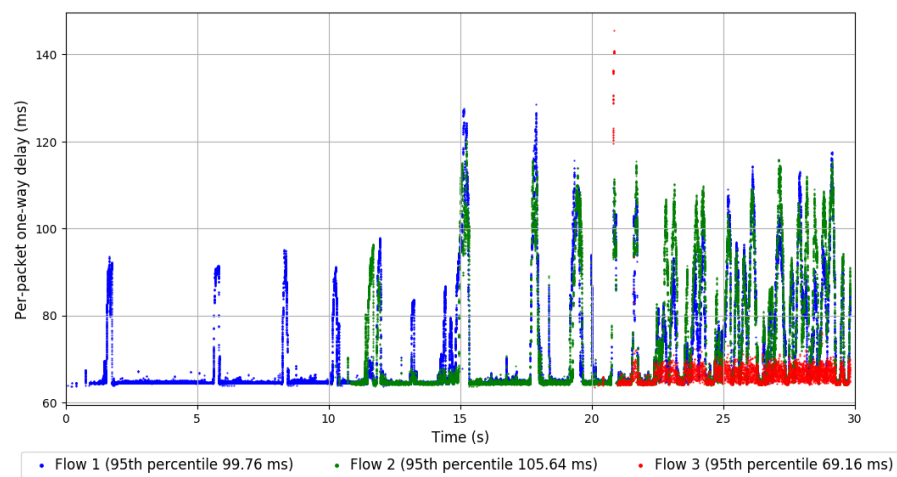
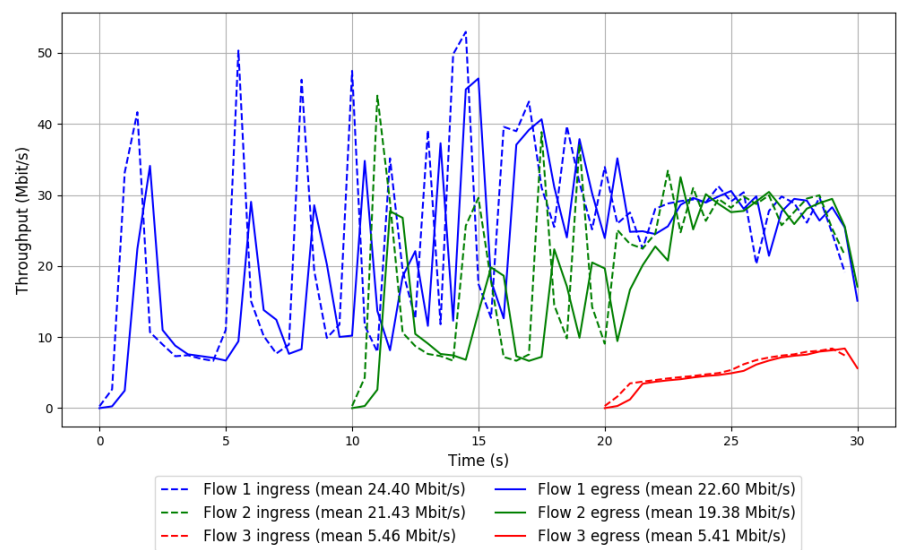


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-10 23:06:34
End at: 2018-07-10 23:07:04
Local clock offset: 0.853 ms
Remote clock offset: -0.974 ms

Below is generated by plot.py at 2018-07-11 00:20:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.23 Mbit/s
95th percentile per-packet one-way delay: 102.915 ms
Loss rate: 8.48%
-- Flow 1:
Average throughput: 22.60 Mbit/s
95th percentile per-packet one-way delay: 99.757 ms
Loss rate: 7.88%
-- Flow 2:
Average throughput: 19.38 Mbit/s
95th percentile per-packet one-way delay: 105.635 ms
Loss rate: 10.25%
-- Flow 3:
Average throughput: 5.41 Mbit/s
95th percentile per-packet one-way delay: 69.158 ms
Loss rate: 2.55%

Run 8: Report of QUIC Cubic — Data Link

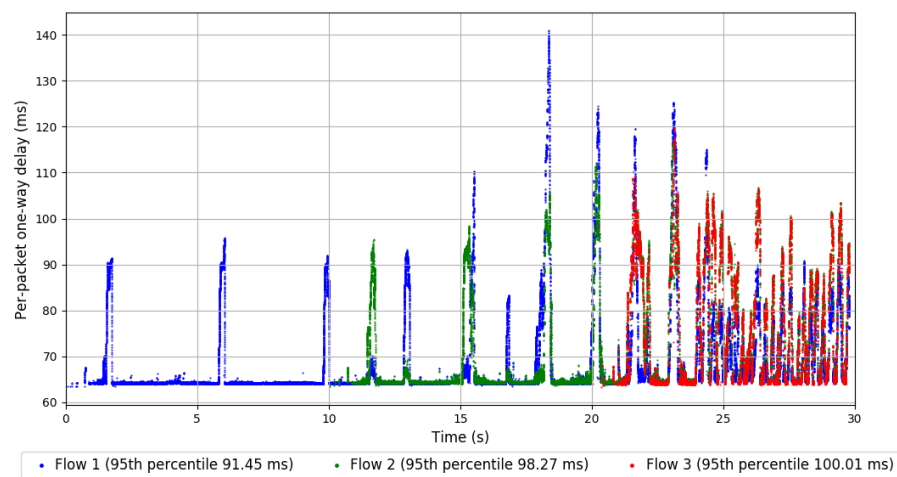
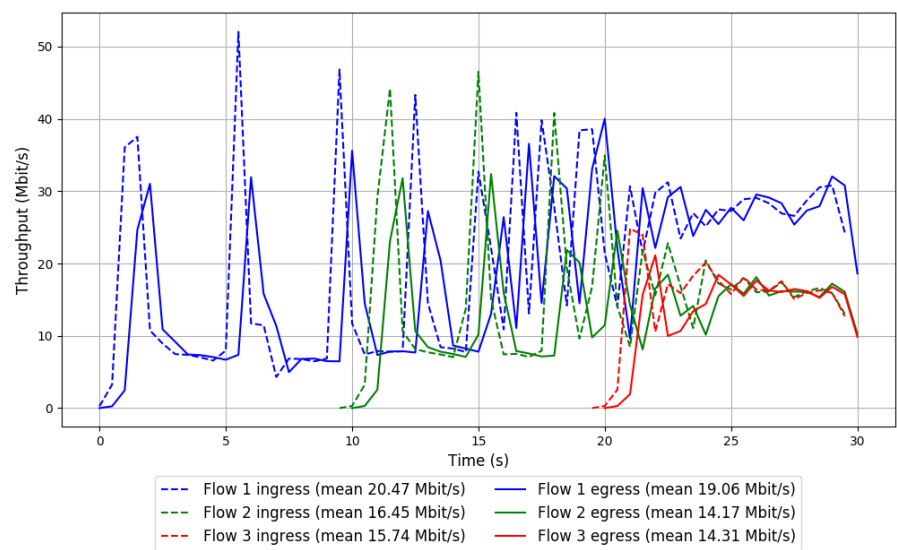


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-10 23:30:06
End at: 2018-07-10 23:30:36
Local clock offset: 0.629 ms
Remote clock offset: -1.288 ms

Below is generated by plot.py at 2018-07-11 00:20:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 33.15 Mbit/s
95th percentile per-packet one-way delay: 96.993 ms
Loss rate: 9.91%
-- Flow 1:
Average throughput: 19.06 Mbit/s
95th percentile per-packet one-way delay: 91.447 ms
Loss rate: 7.32%
-- Flow 2:
Average throughput: 14.17 Mbit/s
95th percentile per-packet one-way delay: 98.265 ms
Loss rate: 14.50%
-- Flow 3:
Average throughput: 14.31 Mbit/s
95th percentile per-packet one-way delay: 100.012 ms
Loss rate: 10.45%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-10 23:53:31

End at: 2018-07-10 23:54:01

Local clock offset: 0.542 ms

Remote clock offset: -1.39 ms

Below is generated by plot.py at 2018-07-11 00:20:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 38.35 Mbit/s

95th percentile per-packet one-way delay: 115.809 ms

Loss rate: 8.05%

-- Flow 1:

Average throughput: 18.15 Mbit/s

95th percentile per-packet one-way delay: 114.921 ms

Loss rate: 9.43%

-- Flow 2:

Average throughput: 22.14 Mbit/s

95th percentile per-packet one-way delay: 112.619 ms

Loss rate: 5.72%

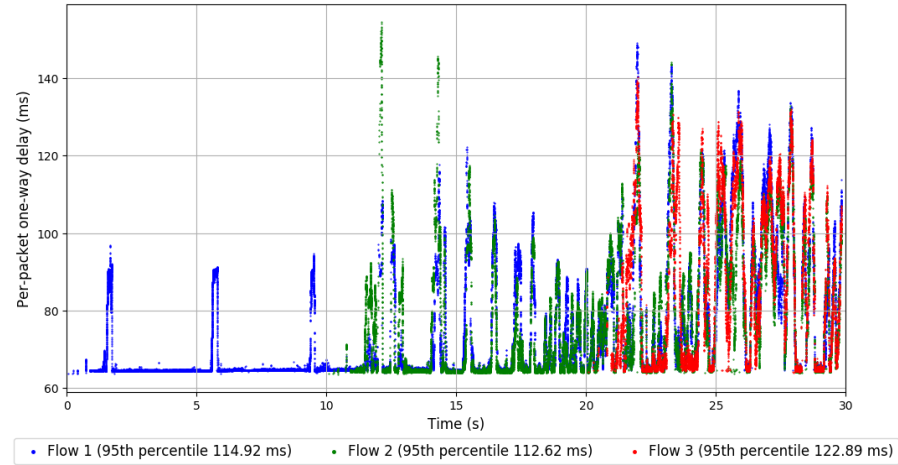
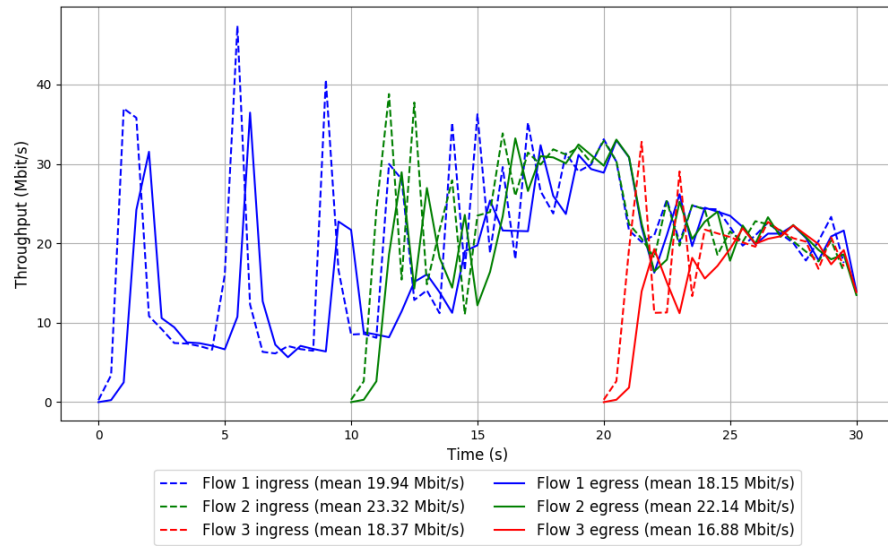
-- Flow 3:

Average throughput: 16.88 Mbit/s

95th percentile per-packet one-way delay: 122.894 ms

Loss rate: 9.48%

Run 10: Report of QUIC Cubic — Data Link

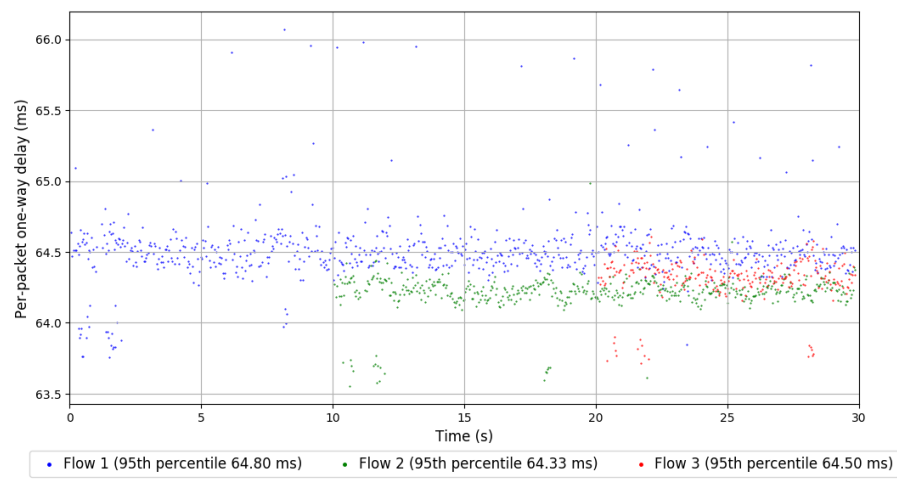
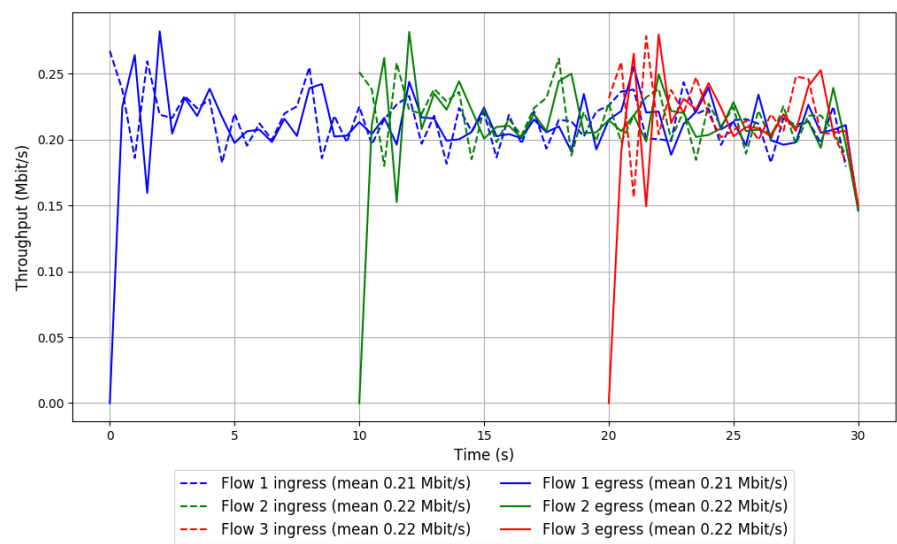


```
Run 1: Statistics of SReAM

Start at: 2018-07-10 20:32:52
End at: 2018-07-10 20:33:22
Local clock offset: 1.223 ms
Remote clock offset: -0.304 ms

# Below is generated by plot.py at 2018-07-11 00:20:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 64.660 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 64.800 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.332 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.504 ms
Loss rate: 1.50%
```


Run 1: Report of SReAM — Data Link

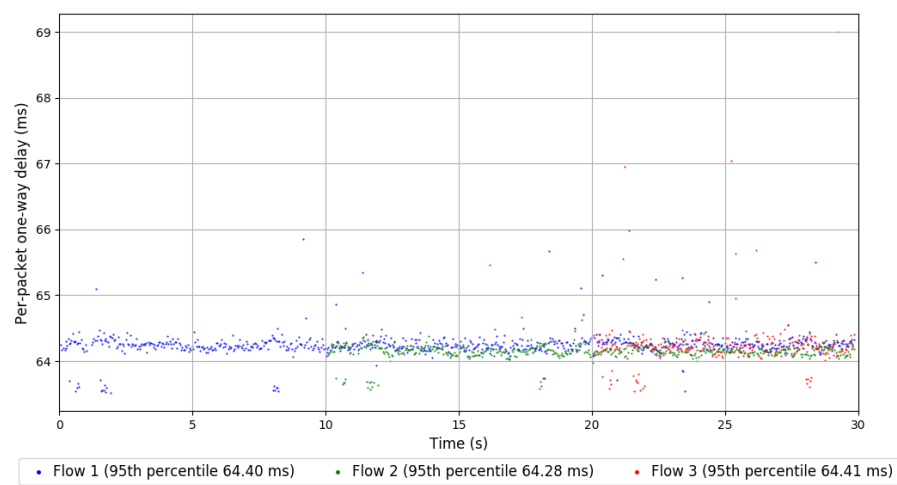
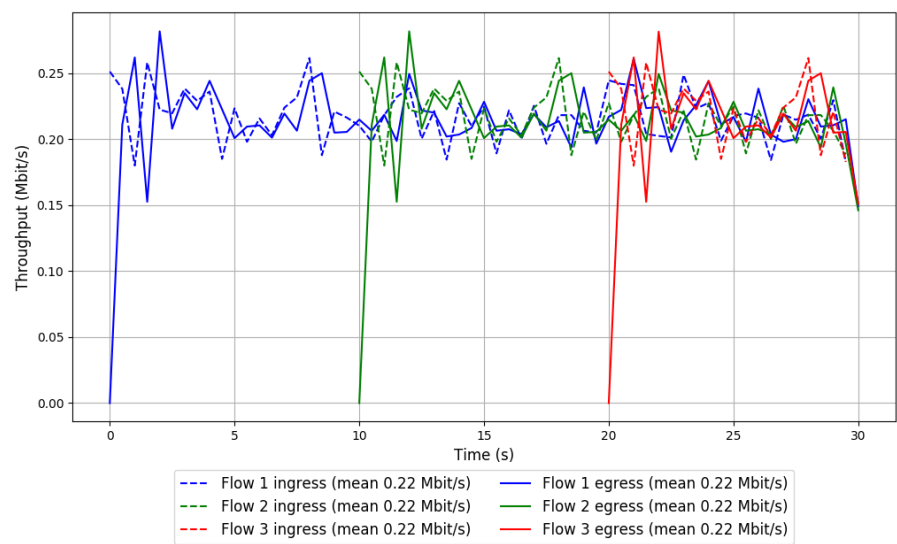


```
Run 2: Statistics of SReAM

Start at: 2018-07-10 20:56:17
End at: 2018-07-10 20:56:47
Local clock offset: 1.204 ms
Remote clock offset: 0.873 ms

# Below is generated by plot.py at 2018-07-11 00:20:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 64.385 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.398 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.280 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.408 ms
Loss rate: 1.45%
```

Run 2: Report of SCRaM — Data Link

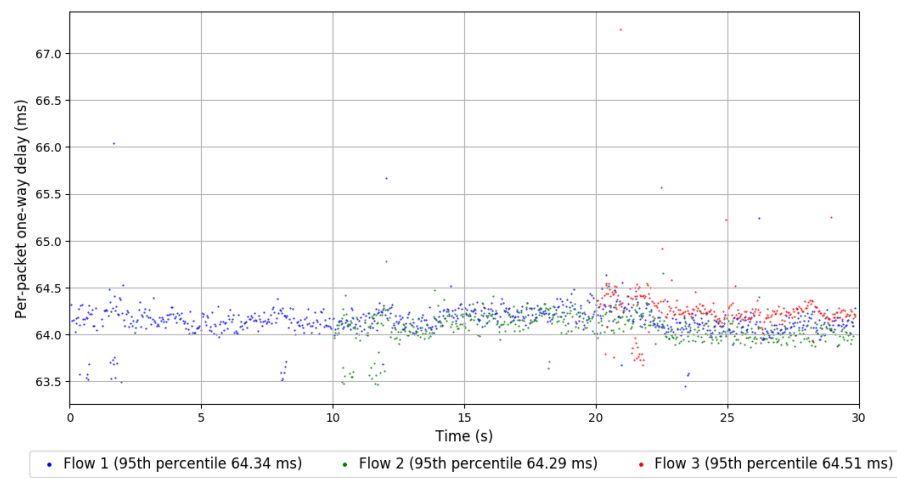
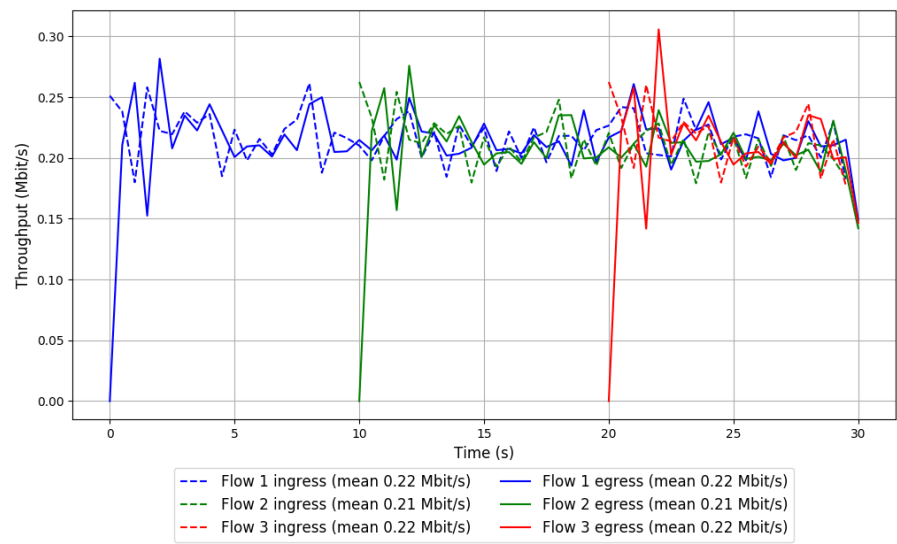


Run 3: Statistics of SCReAM

Start at: 2018-07-10 21:19:45
End at: 2018-07-10 21:20:15
Local clock offset: 1.31 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-07-11 00:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 64.380 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.342 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 64.286 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.513 ms
Loss rate: 1.44%

Run 3: Report of SReAM — Data Link

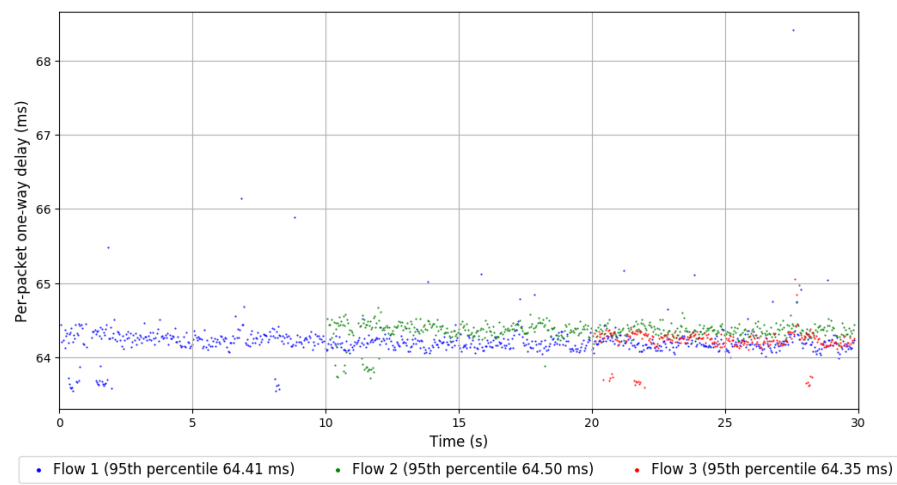
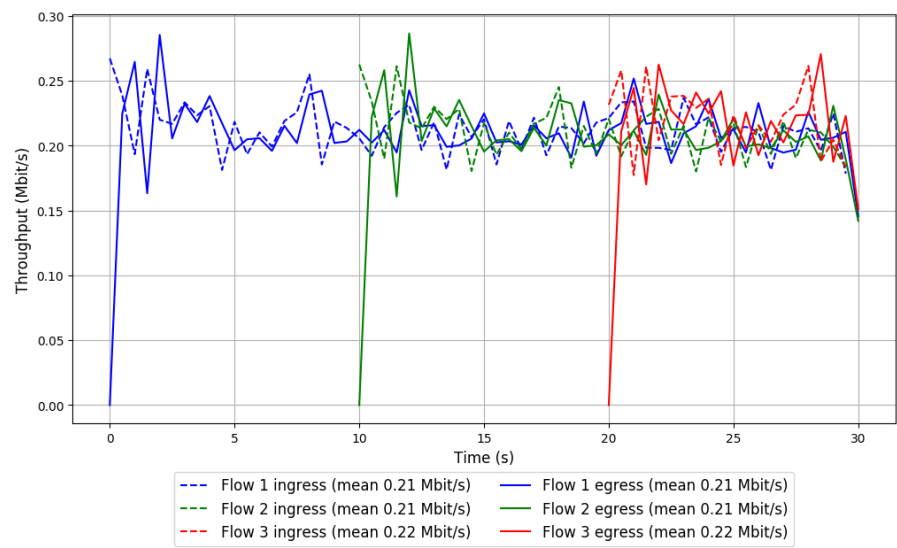


Run 4: Statistics of SCReAM

Start at: 2018-07-10 21:43:13
End at: 2018-07-10 21:43:43
Local clock offset: 1.189 ms
Remote clock offset: -0.578 ms

Below is generated by plot.py at 2018-07-11 00:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 64.467 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 64.405 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 64.505 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.347 ms
Loss rate: 1.10%

Run 4: Report of SReAM — Data Link

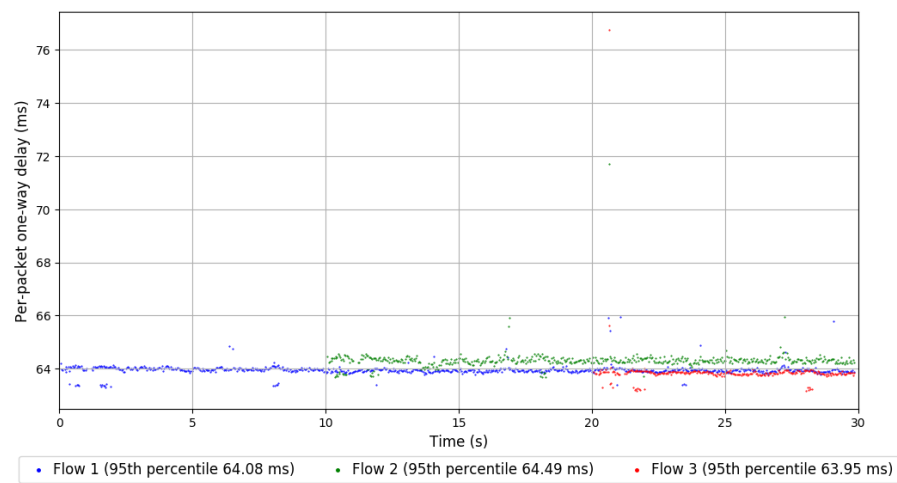
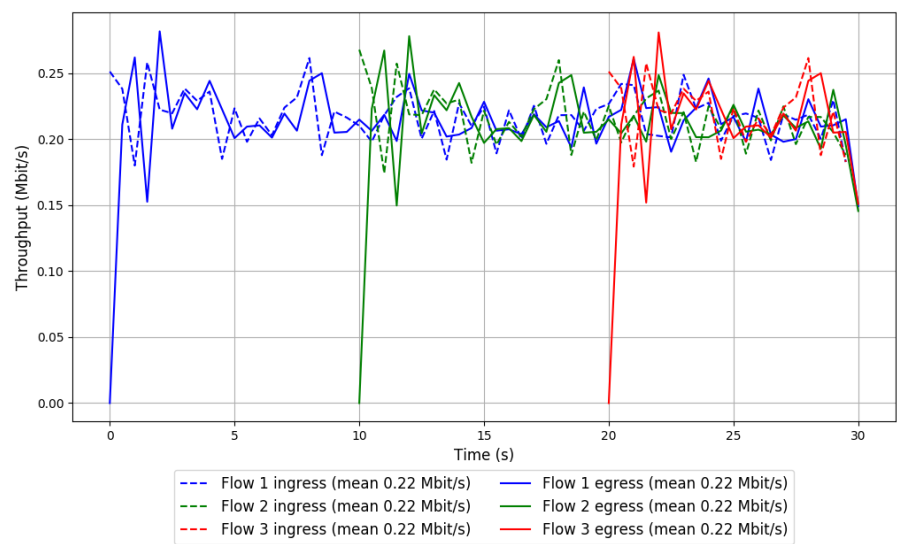


Run 5: Statistics of SReAM

Start at: 2018-07-10 22:06:46
End at: 2018-07-10 22:07:16
Local clock offset: 0.921 ms
Remote clock offset: -0.823 ms

Below is generated by plot.py at 2018-07-11 00:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 64.431 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.080 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.491 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.949 ms
Loss rate: 1.45%

Run 5: Report of SReAM — Data Link

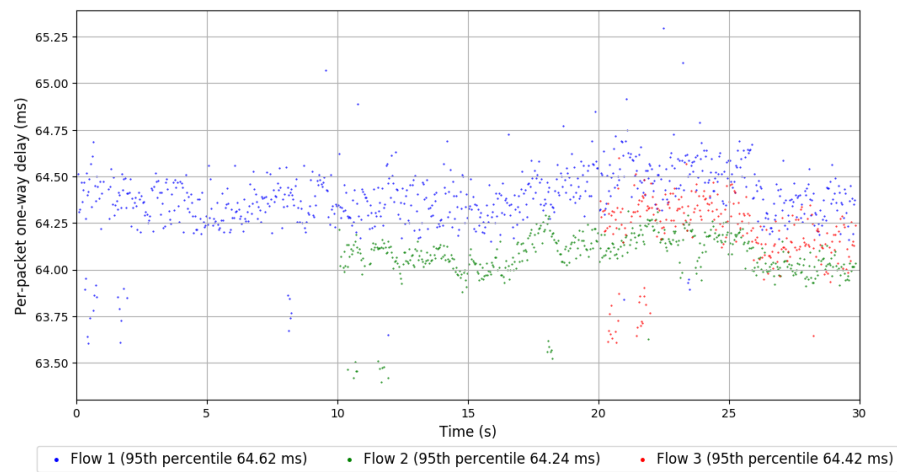
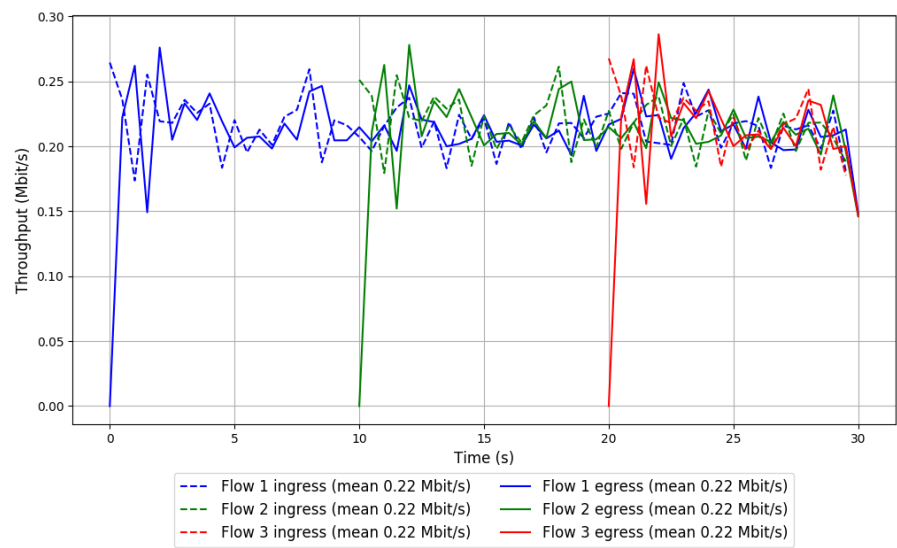


Run 6: Statistics of SReAM

Start at: 2018-07-10 22:30:13
End at: 2018-07-10 22:30:43
Local clock offset: 1.011 ms
Remote clock offset: -1.403 ms

Below is generated by plot.py at 2018-07-11 00:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 64.567 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.620 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.238 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.422 ms
Loss rate: 1.42%

Run 6: Report of SReAM — Data Link

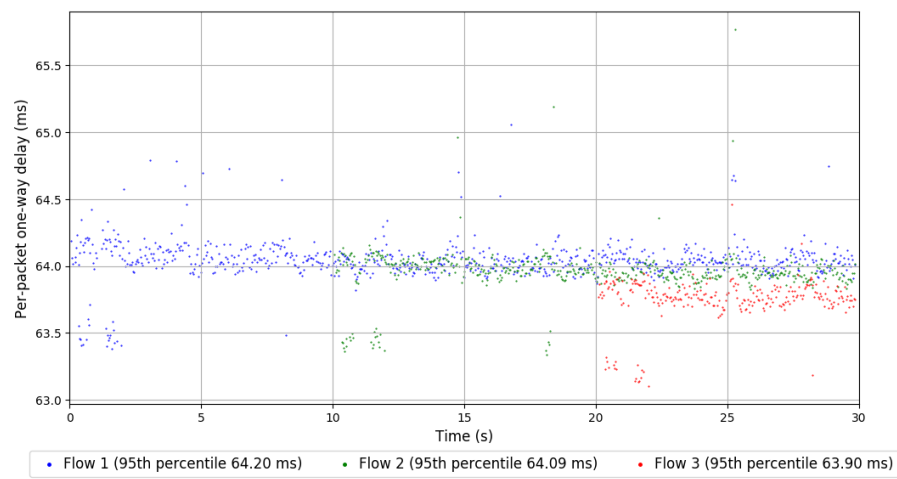
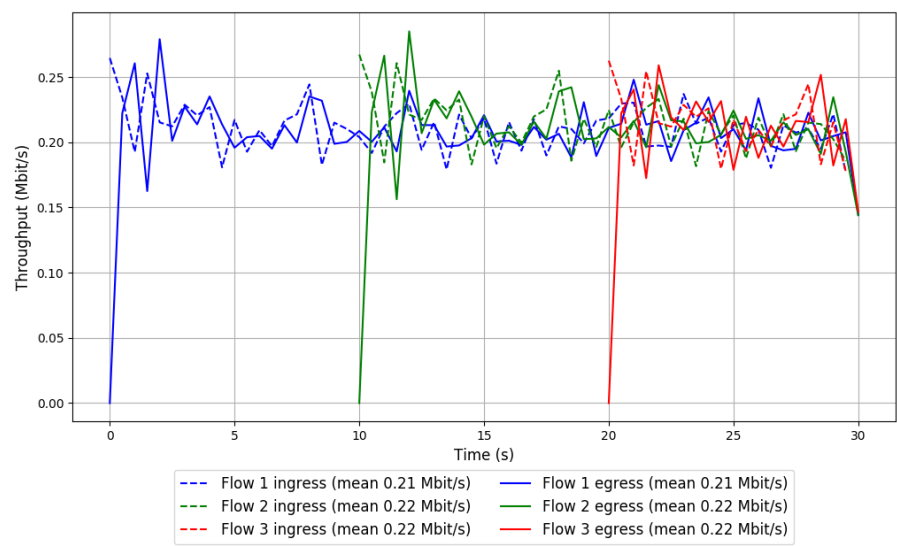


Run 7: Statistics of SReAM

Start at: 2018-07-10 22:53:58
End at: 2018-07-10 22:54:28
Local clock offset: 0.875 ms
Remote clock offset: -1.043 ms

Below is generated by plot.py at 2018-07-11 00:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 64.166 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 64.205 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.087 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.904 ms
Loss rate: 1.45%

Run 7: Report of SReAM — Data Link

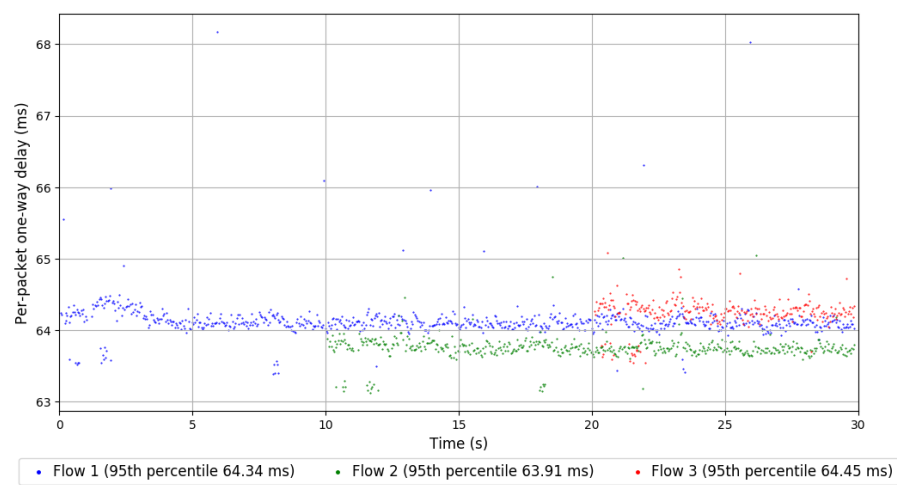
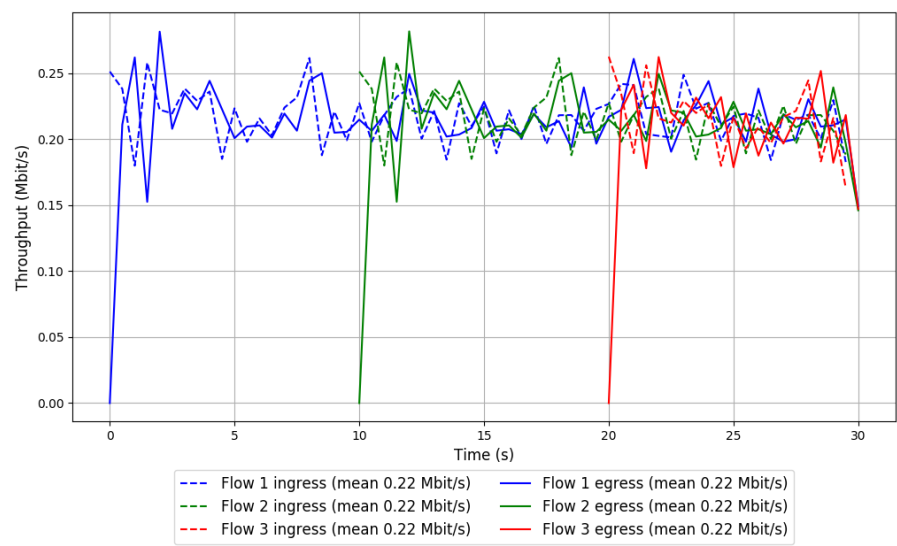


Run 8: Statistics of SReAM

Start at: 2018-07-10 23:17:41
End at: 2018-07-10 23:18:11
Local clock offset: 0.779 ms
Remote clock offset: -0.981 ms

Below is generated by plot.py at 2018-07-11 00:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 64.366 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.343 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.913 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.454 ms
Loss rate: 1.10%

Run 8: Report of SReAM — Data Link

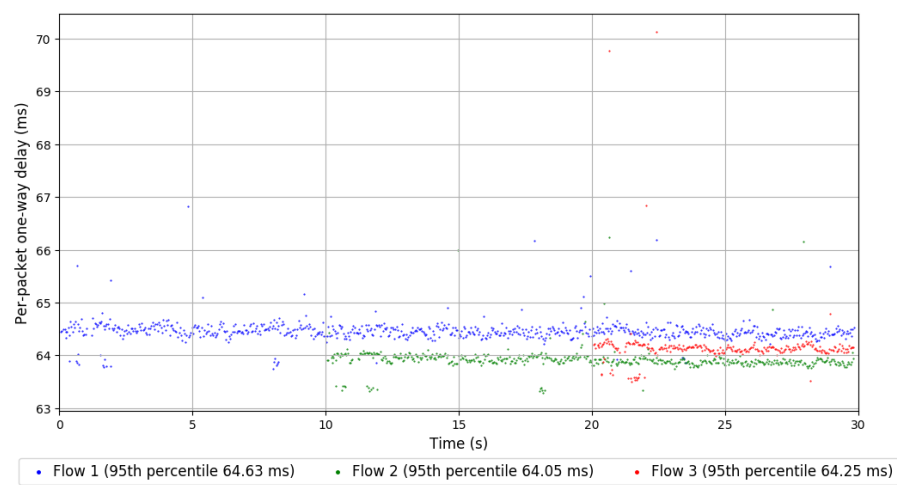
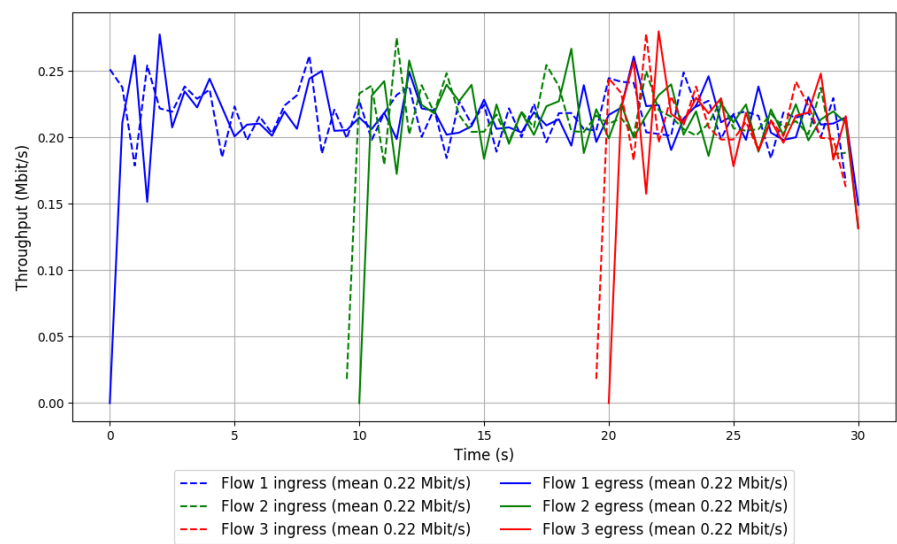


Run 9: Statistics of SReAM

Start at: 2018-07-10 23:41:06
End at: 2018-07-10 23:41:36
Local clock offset: 0.651 ms
Remote clock offset: -1.516 ms

Below is generated by plot.py at 2018-07-11 00:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 64.593 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.633 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.048 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.255 ms
Loss rate: 1.10%

Run 9: Report of SCReAM — Data Link

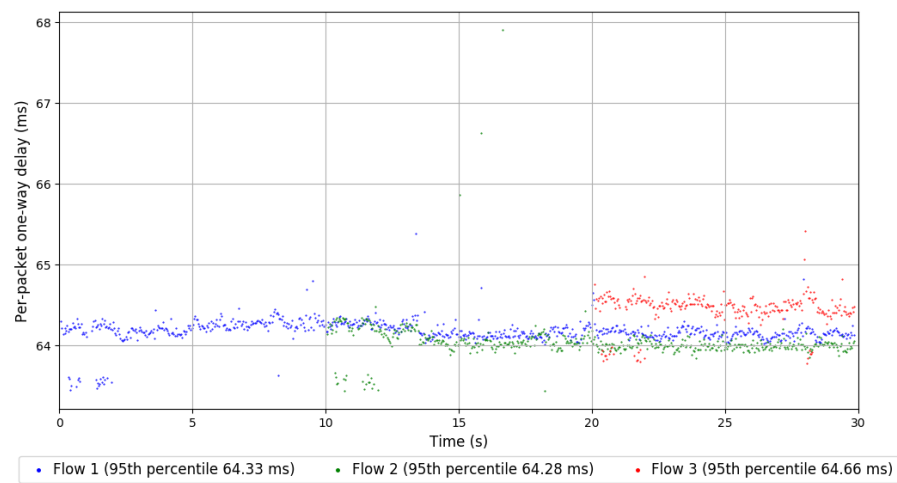
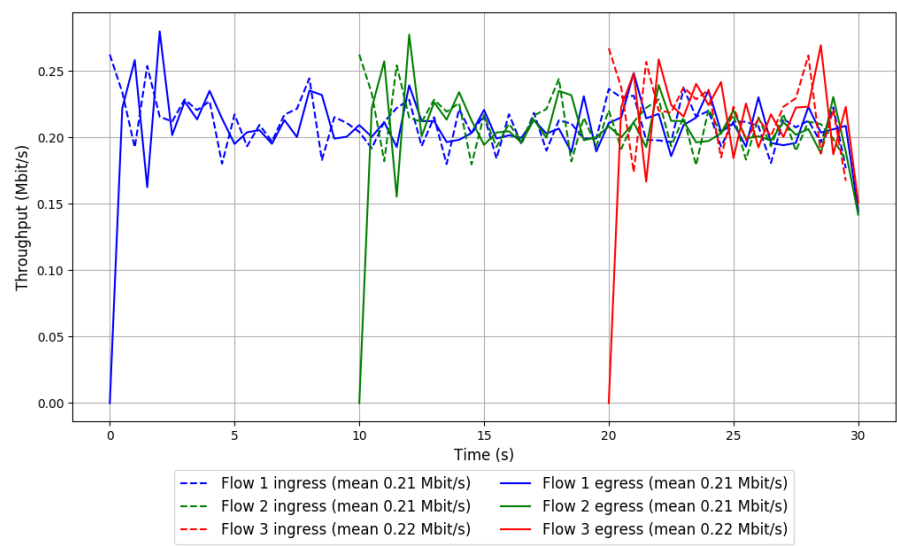


Run 10: Statistics of SReAM

Start at: 2018-07-11 00:04:34
End at: 2018-07-11 00:05:04
Local clock offset: 0.364 ms
Remote clock offset: -0.955 ms

Below is generated by plot.py at 2018-07-11 00:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 64.551 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 64.334 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 64.276 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.659 ms
Loss rate: 1.10%

Run 10: Report of SReAM — Data Link

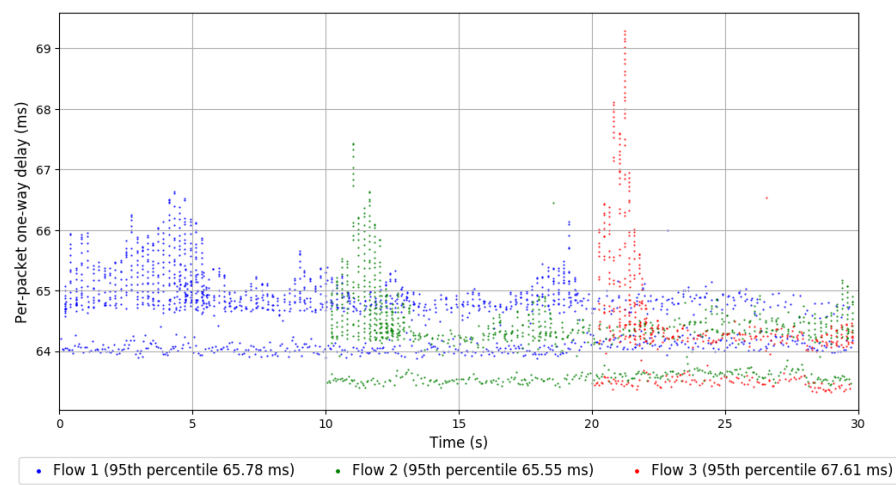
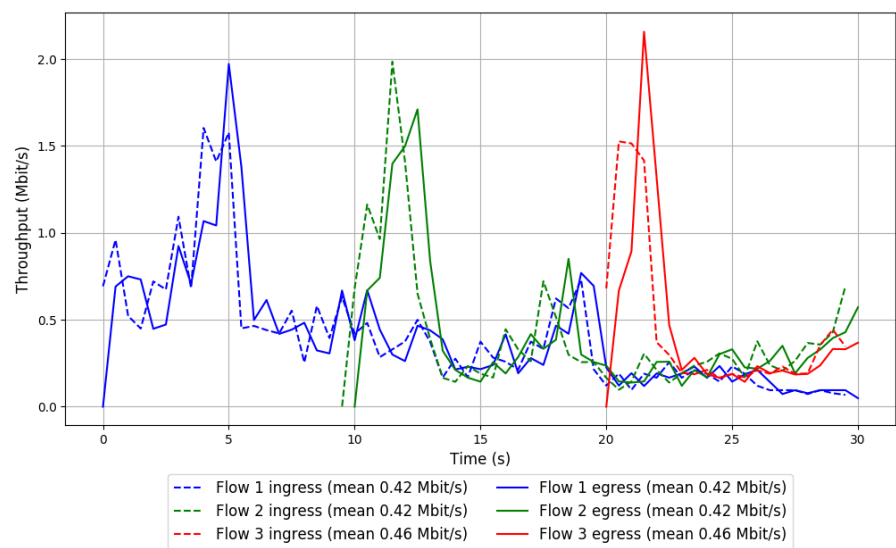


Run 1: Statistics of Sprout

Start at: 2018-07-10 20:34:12
End at: 2018-07-10 20:34:42
Local clock offset: 1.184 ms
Remote clock offset: -0.253 ms

Below is generated by plot.py at 2018-07-11 00:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.85 Mbit/s
95th percentile per-packet one-way delay: 65.946 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 65.777 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 65.546 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 67.615 ms
Loss rate: 1.27%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-10 20:57:36

End at: 2018-07-10 20:58:06

Local clock offset: 1.174 ms

Remote clock offset: 0.885 ms

Below is generated by plot.py at 2018-07-11 00:20:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: 68.578 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 65.035 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 69.329 ms

Loss rate: 0.12%

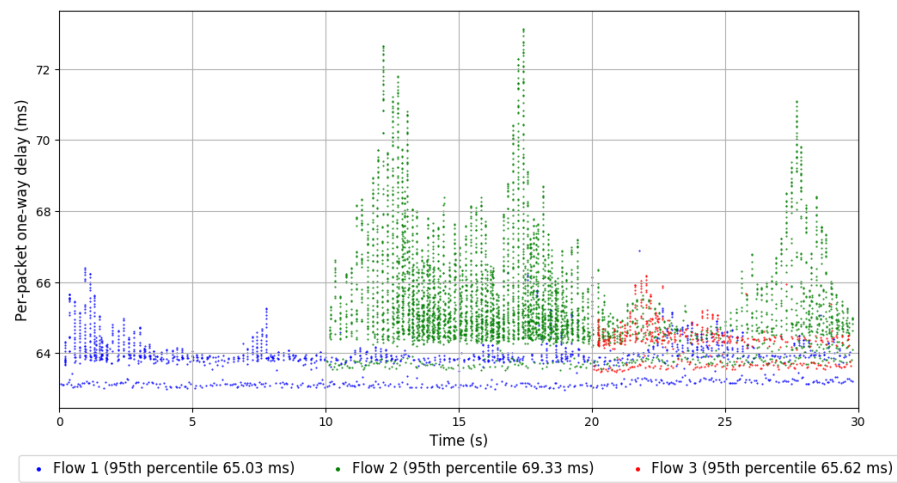
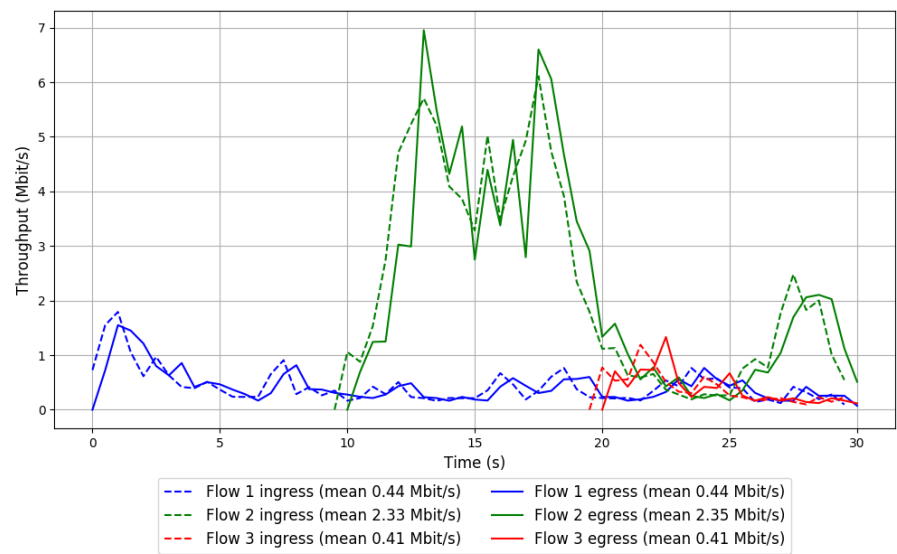
-- Flow 3:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 65.616 ms

Loss rate: 1.43%

Run 2: Report of Sprout — Data Link

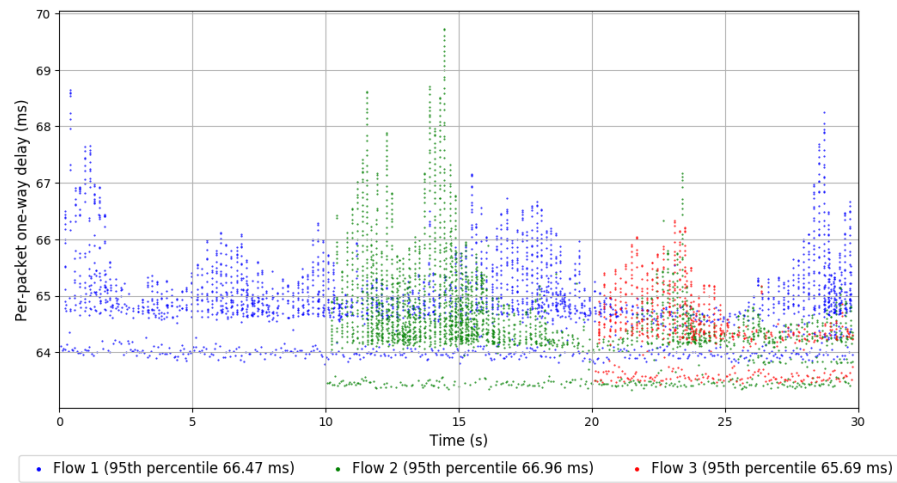
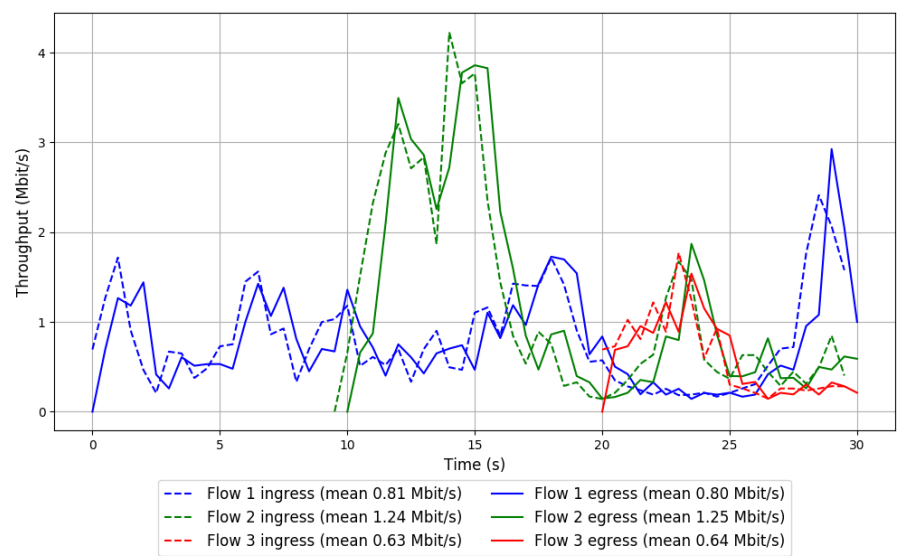


Run 3: Statistics of Sprout

Start at: 2018-07-10 21:21:05
End at: 2018-07-10 21:21:35
Local clock offset: 1.292 ms
Remote clock offset: -0.095 ms

```
# Below is generated by plot.py at 2018-07-11 00:20:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 66.534 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 0.80 Mbit/s
95th percentile per-packet one-way delay: 66.467 ms
Loss rate: 1.59%
-- Flow 2:
Average throughput: 1.25 Mbit/s
95th percentile per-packet one-way delay: 66.957 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 65.691 ms
Loss rate: 0.60%
```


Run 3: Report of Sprout — Data Link

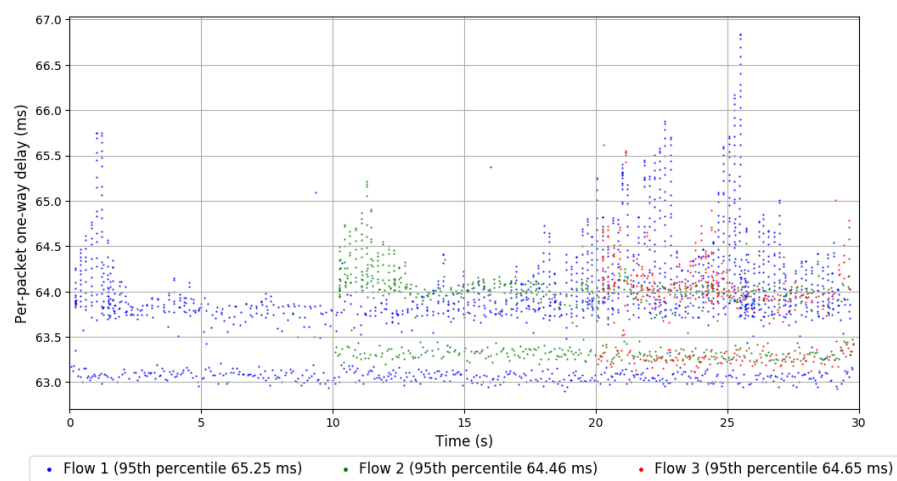
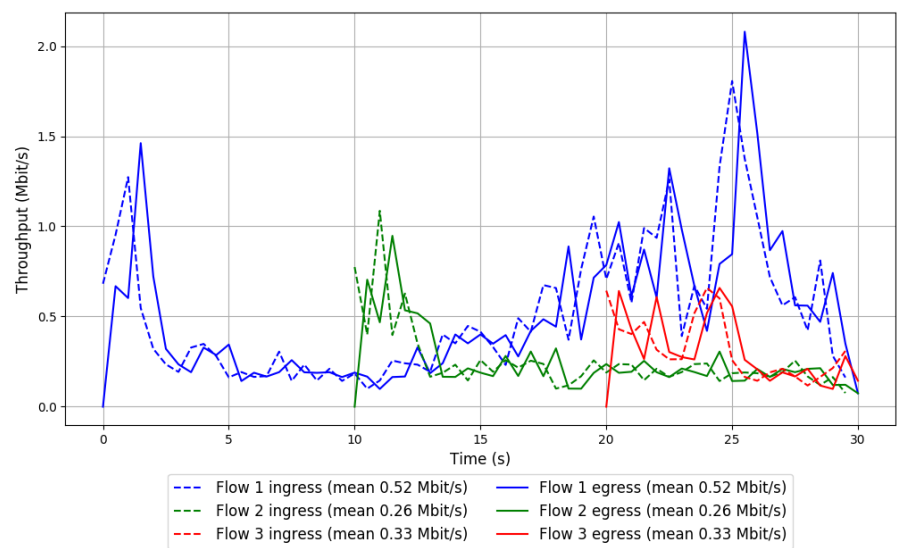


Run 4: Statistics of Sprout

Start at: 2018-07-10 21:44:32
End at: 2018-07-10 21:45:02
Local clock offset: 0.873 ms
Remote clock offset: -0.547 ms

```
# Below is generated by plot.py at 2018-07-11 00:20:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.80 Mbit/s
95th percentile per-packet one-way delay: 64.985 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 65.251 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 64.464 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 64.649 ms
Loss rate: 2.56%
```

Run 4: Report of Sprout — Data Link

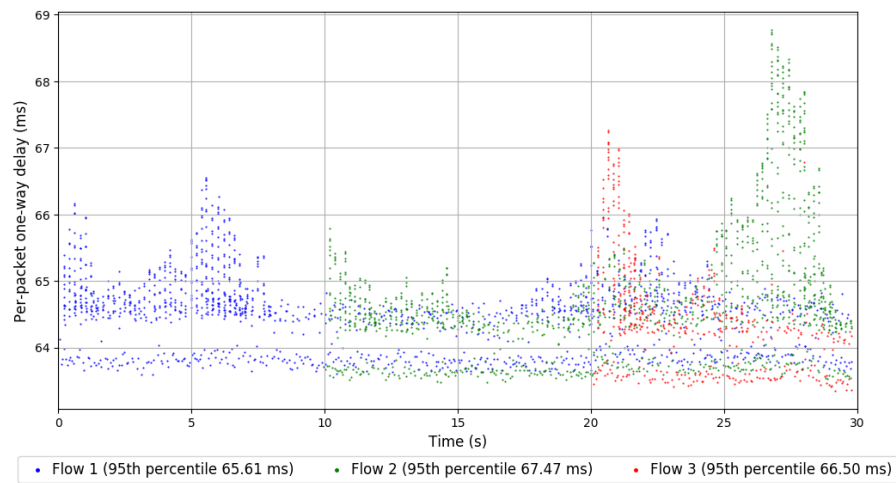
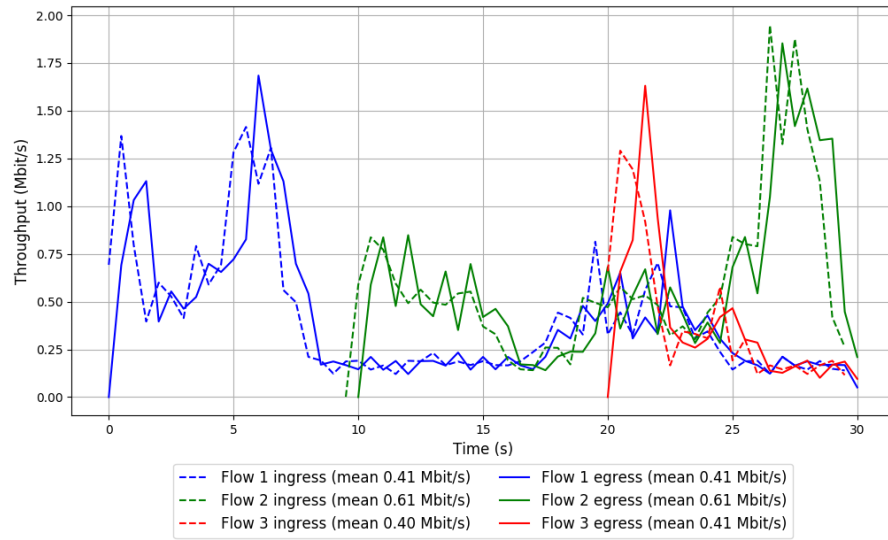


Run 5: Statistics of Sprout

Start at: 2018-07-10 22:08:06
End at: 2018-07-10 22:08:36
Local clock offset: 1.077 ms
Remote clock offset: -0.814 ms

Below is generated by plot.py at 2018-07-11 00:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.95 Mbit/s
95th percentile per-packet one-way delay: 66.396 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 65.608 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 67.468 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 66.498 ms
Loss rate: 0.55%

Run 5: Report of Sprout — Data Link

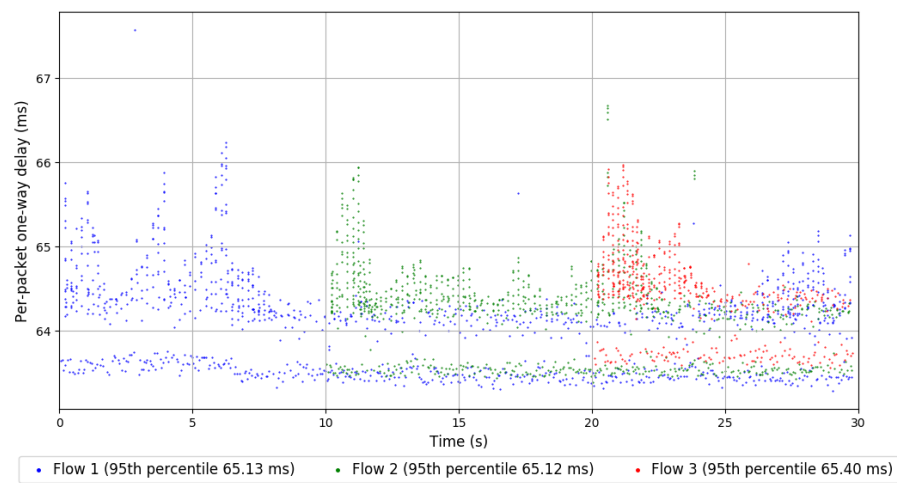
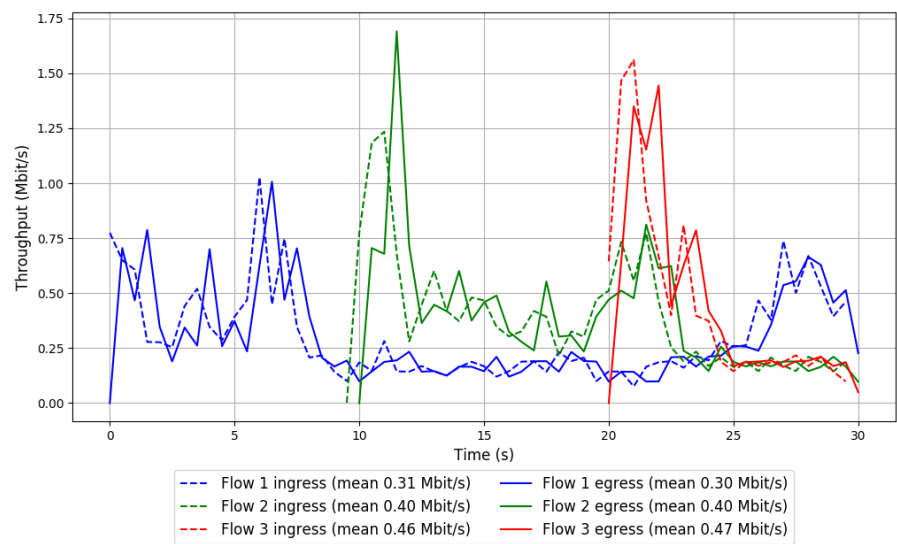


Run 6: Statistics of Sprout

Start at: 2018-07-10 22:31:33
End at: 2018-07-10 22:32:03
Local clock offset: 0.927 ms
Remote clock offset: -1.433 ms

Below is generated by plot.py at 2018-07-11 00:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 65.225 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 65.131 ms
Loss rate: 1.39%
-- Flow 2:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 65.122 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 65.400 ms
Loss rate: 0.55%

Run 6: Report of Sprout — Data Link

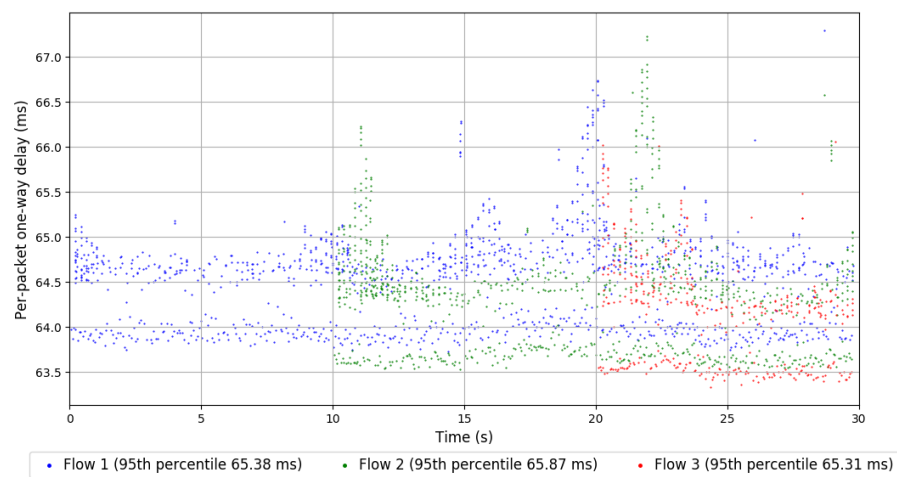
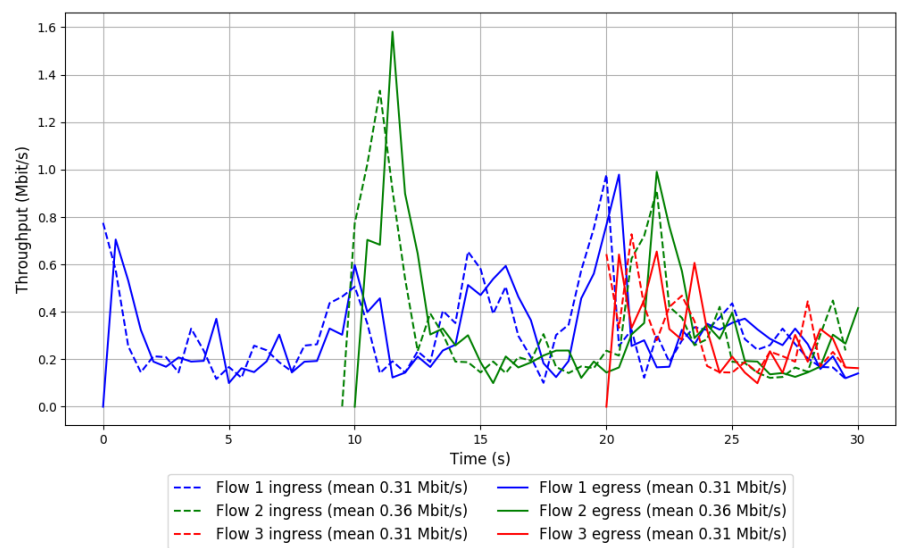


Run 7: Statistics of Sprout

Start at: 2018-07-10 22:55:17
End at: 2018-07-10 22:55:47
Local clock offset: 0.852 ms
Remote clock offset: -0.99 ms

Below is generated by plot.py at 2018-07-11 00:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 65.537 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 65.382 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 65.872 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 65.309 ms
Loss rate: 1.14%

Run 7: Report of Sprout — Data Link

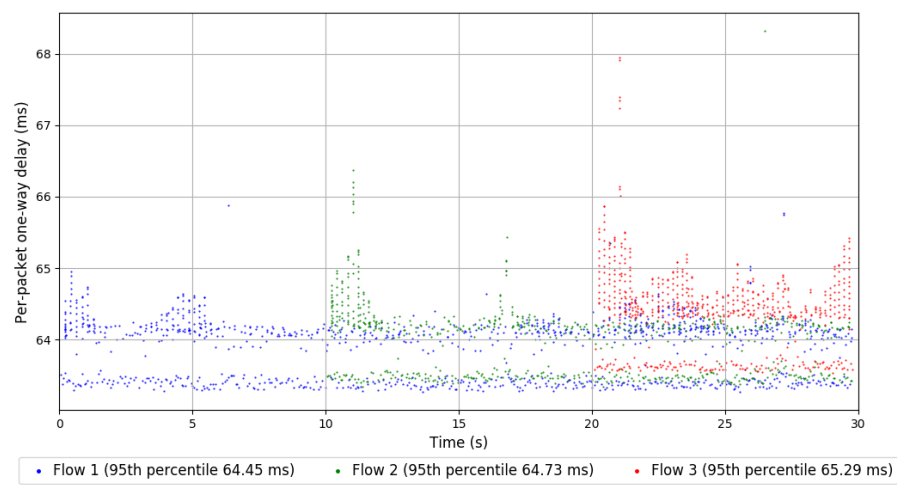
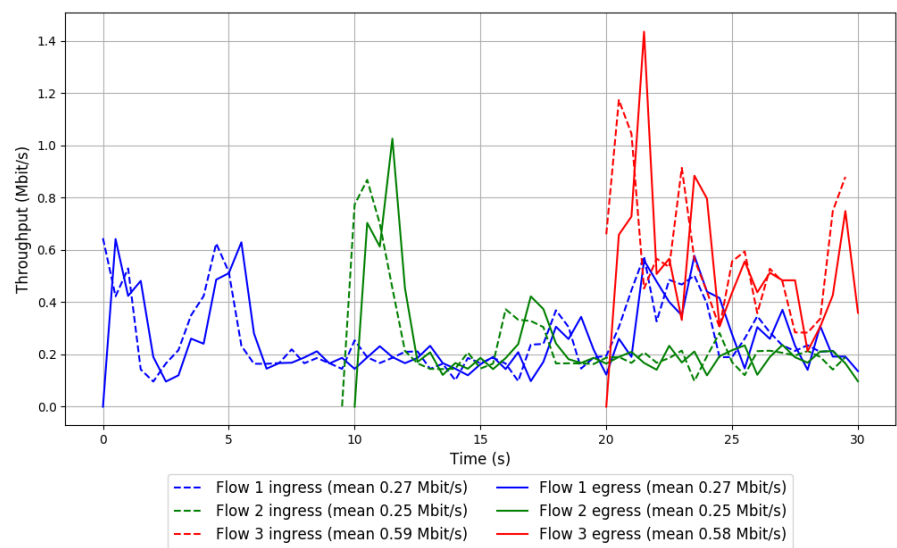


Run 8: Statistics of Sprout

Start at: 2018-07-10 23:19:00
End at: 2018-07-10 23:19:30
Local clock offset: 0.564 ms
Remote clock offset: -1.047 ms

Below is generated by plot.py at 2018-07-11 00:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 64.914 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 64.447 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 64.730 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 65.291 ms
Loss rate: 4.46%

Run 8: Report of Sprout — Data Link

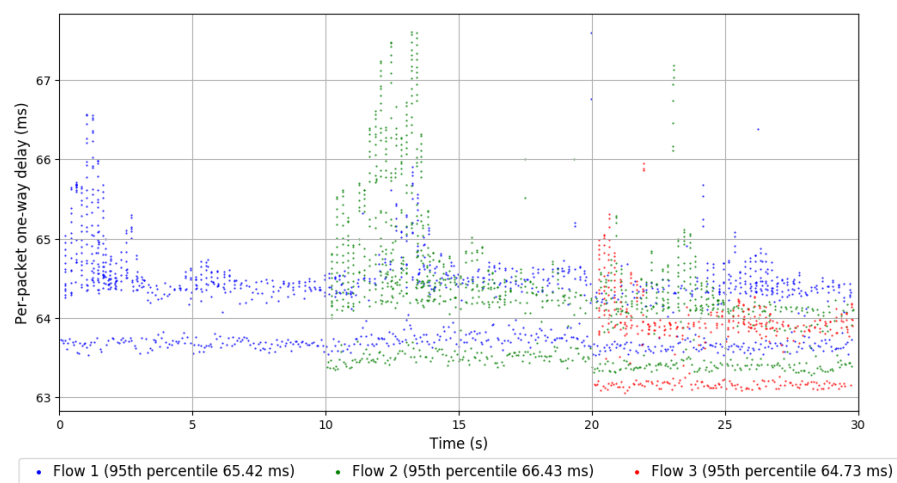
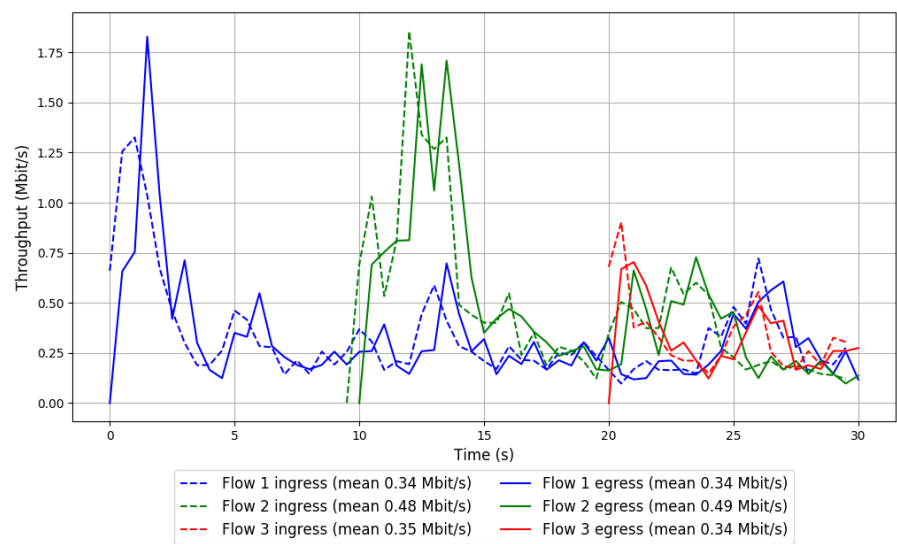


Run 9: Statistics of Sprout

Start at: 2018-07-10 23:42:25
End at: 2018-07-10 23:42:55
Local clock offset: 0.521 ms
Remote clock offset: -1.459 ms

Below is generated by plot.py at 2018-07-11 00:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 65.846 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 65.417 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 66.429 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 64.735 ms
Loss rate: 1.74%

Run 9: Report of Sprout — Data Link

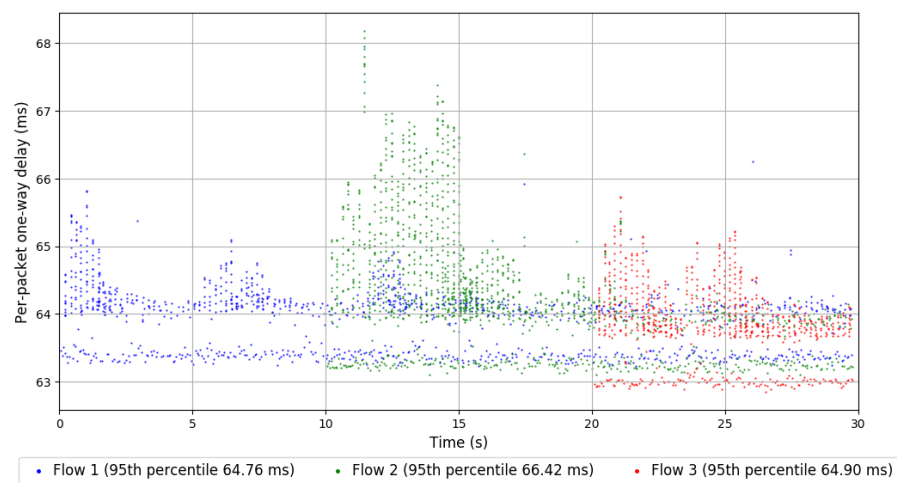
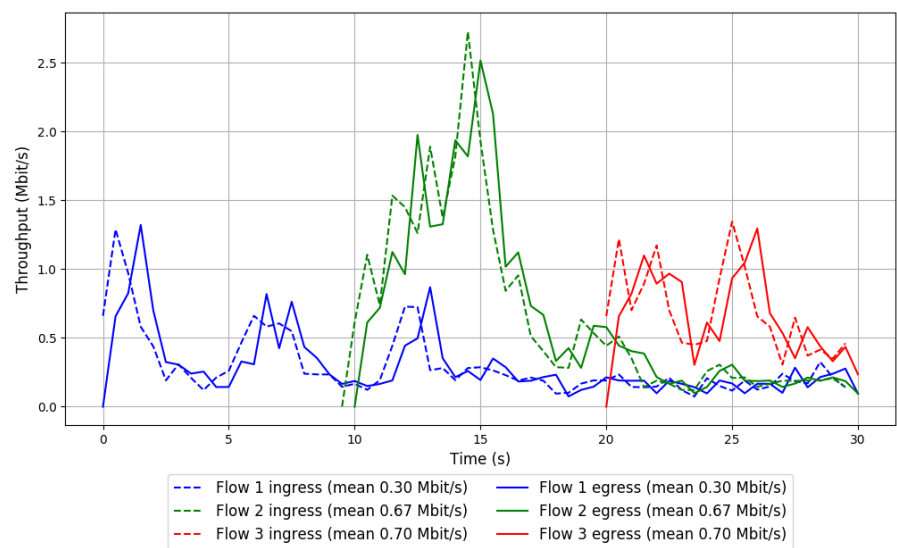


Run 10: Statistics of Sprout

Start at: 2018-07-11 00:05:53
End at: 2018-07-11 00:06:23
Local clock offset: 0.235 ms
Remote clock offset: -0.863 ms

```
# Below is generated by plot.py at 2018-07-11 00:20:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 65.804 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 64.761 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 66.422 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 0.70 Mbit/s
95th percentile per-packet one-way delay: 64.897 ms
Loss rate: 1.64%
```

Run 10: Report of Sprout — Data Link

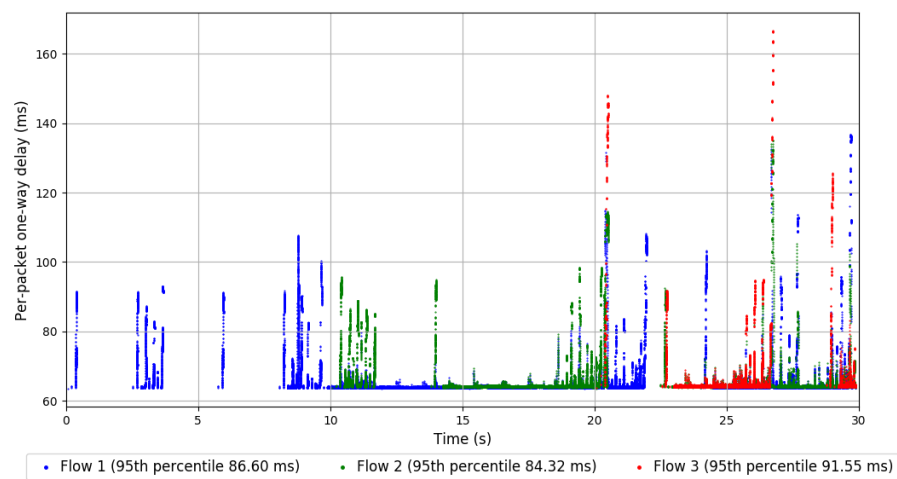
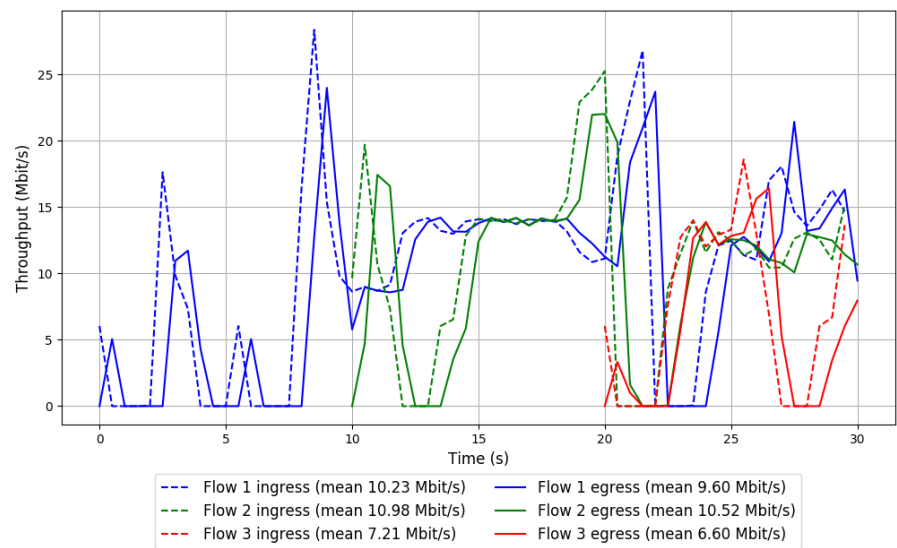


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-10 20:28:47
End at: 2018-07-10 20:29:17
Local clock offset: 0.891 ms
Remote clock offset: -0.773 ms

# Below is generated by plot.py at 2018-07-11 00:21:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.76 Mbit/s
95th percentile per-packet one-way delay: 86.260 ms
Loss rate: 6.27%
-- Flow 1:
Average throughput: 9.60 Mbit/s
95th percentile per-packet one-way delay: 86.603 ms
Loss rate: 6.41%
-- Flow 2:
Average throughput: 10.52 Mbit/s
95th percentile per-packet one-way delay: 84.316 ms
Loss rate: 4.90%
-- Flow 3:
Average throughput: 6.60 Mbit/s
95th percentile per-packet one-way delay: 91.553 ms
Loss rate: 9.83%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-10 20:52:12

End at: 2018-07-10 20:52:42

Local clock offset: 1.239 ms

Remote clock offset: 0.605 ms

Below is generated by plot.py at 2018-07-11 00:21:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.38 Mbit/s

95th percentile per-packet one-way delay: 83.547 ms

Loss rate: 3.20%

-- Flow 1:

Average throughput: 9.37 Mbit/s

95th percentile per-packet one-way delay: 76.227 ms

Loss rate: 3.10%

-- Flow 2:

Average throughput: 10.36 Mbit/s

95th percentile per-packet one-way delay: 83.358 ms

Loss rate: 1.70%

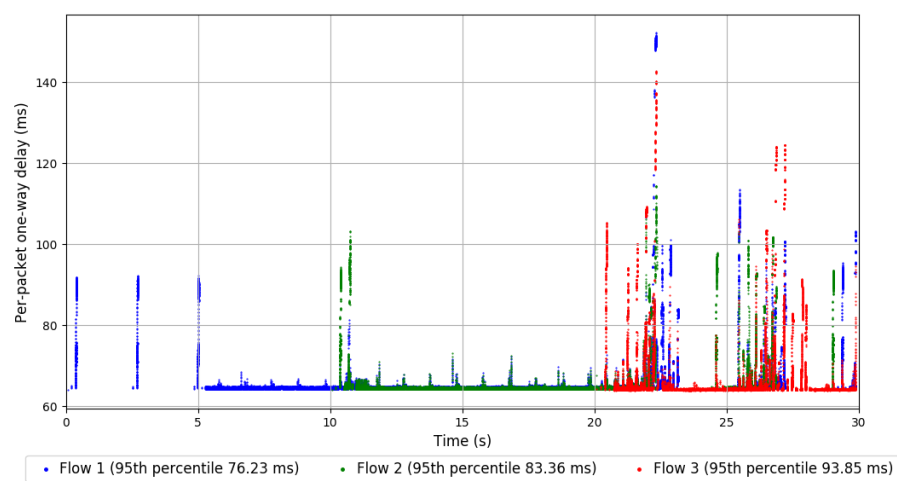
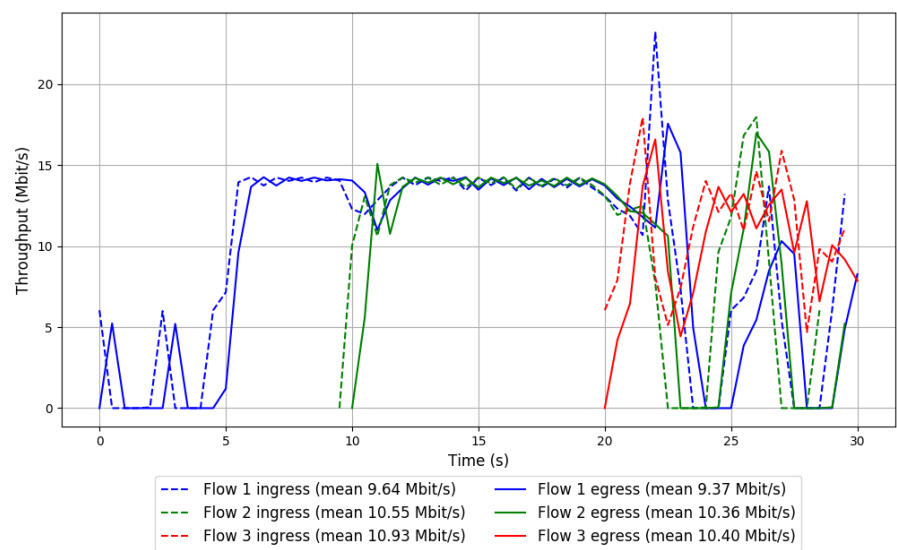
-- Flow 3:

Average throughput: 10.40 Mbit/s

95th percentile per-packet one-way delay: 93.847 ms

Loss rate: 6.23%

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

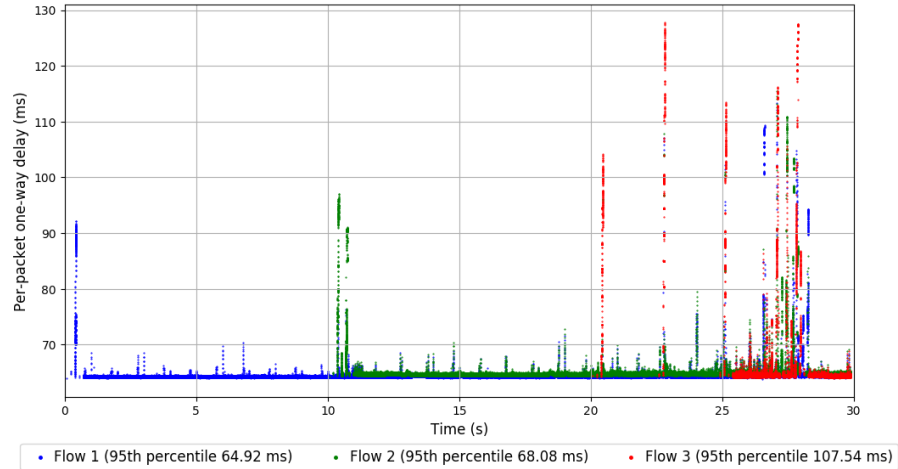
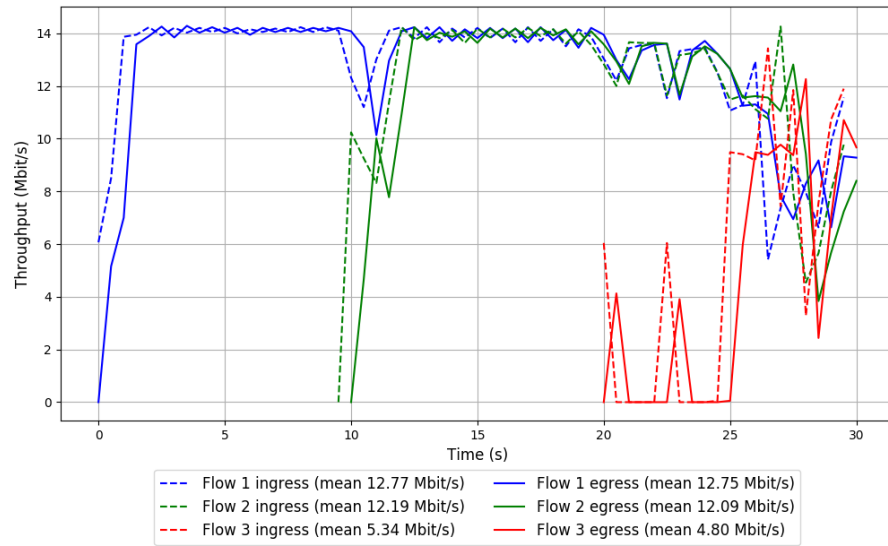


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-10 21:15:40
End at: 2018-07-10 21:16:10
Local clock offset: 1.44 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2018-07-11 00:21:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 22.37 Mbit/s
95th percentile per-packet one-way delay: 68.175 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 12.75 Mbit/s
95th percentile per-packet one-way delay: 64.920 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 12.09 Mbit/s
95th percentile per-packet one-way delay: 68.076 ms
Loss rate: 1.56%
-- Flow 3:
Average throughput: 4.80 Mbit/s
95th percentile per-packet one-way delay: 107.539 ms
Loss rate: 11.51%

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

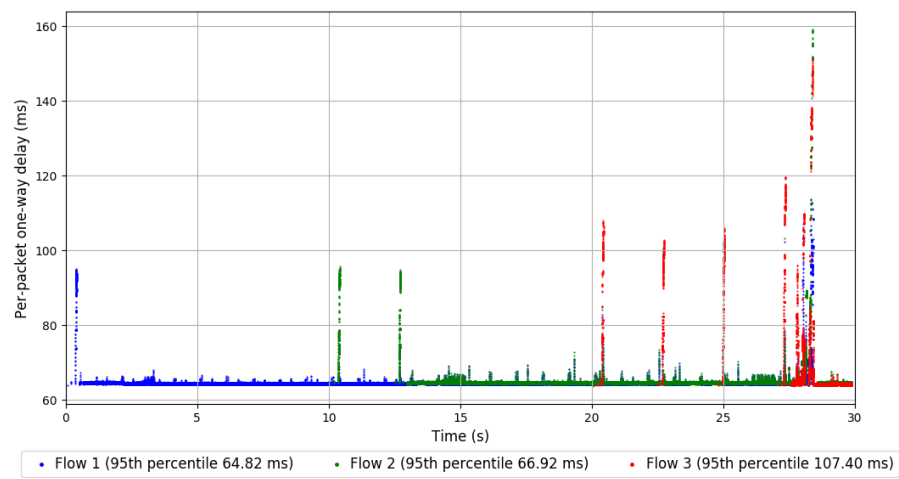
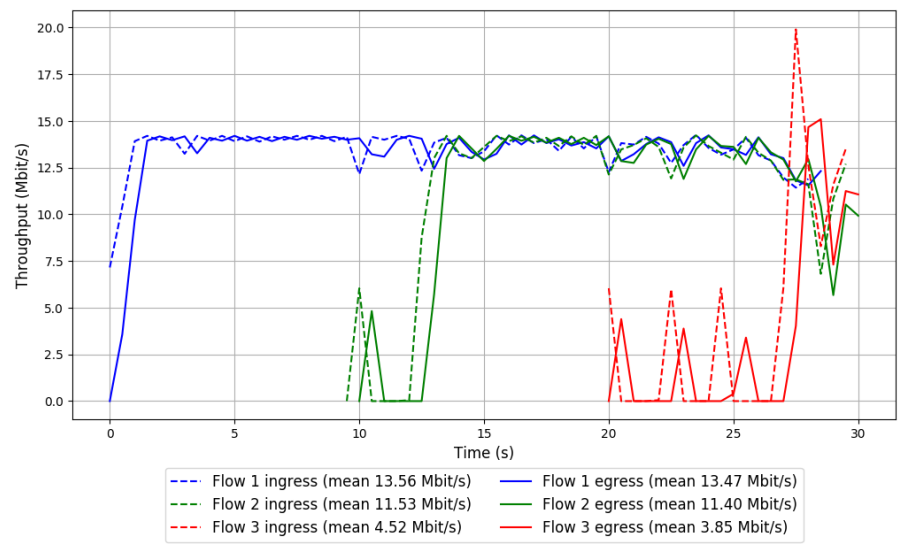


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-10 21:39:07
End at: 2018-07-10 21:39:37
Local clock offset: 1.202 ms
Remote clock offset: -0.493 ms

Below is generated by plot.py at 2018-07-11 00:21:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 21.65 Mbit/s
95th percentile per-packet one-way delay: 68.389 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 13.47 Mbit/s
95th percentile per-packet one-way delay: 64.816 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 11.40 Mbit/s
95th percentile per-packet one-way delay: 66.916 ms
Loss rate: 1.87%
-- Flow 3:
Average throughput: 3.85 Mbit/s
95th percentile per-packet one-way delay: 107.398 ms
Loss rate: 16.22%

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

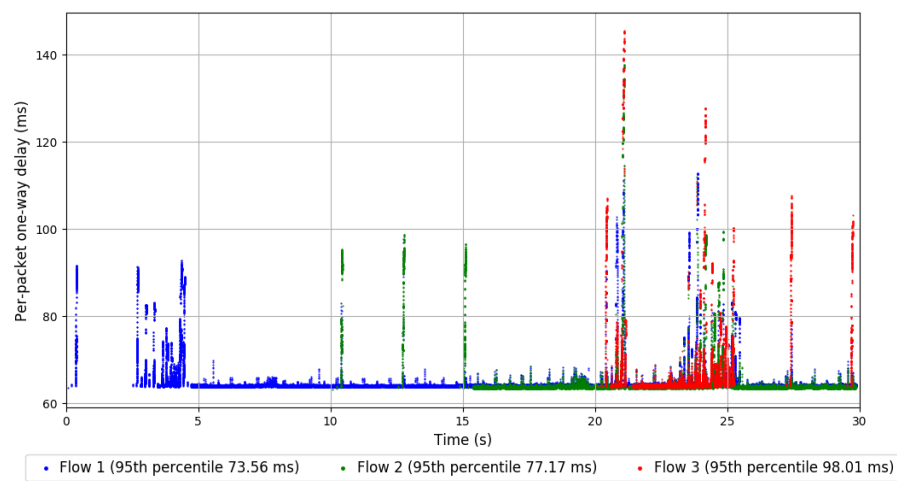
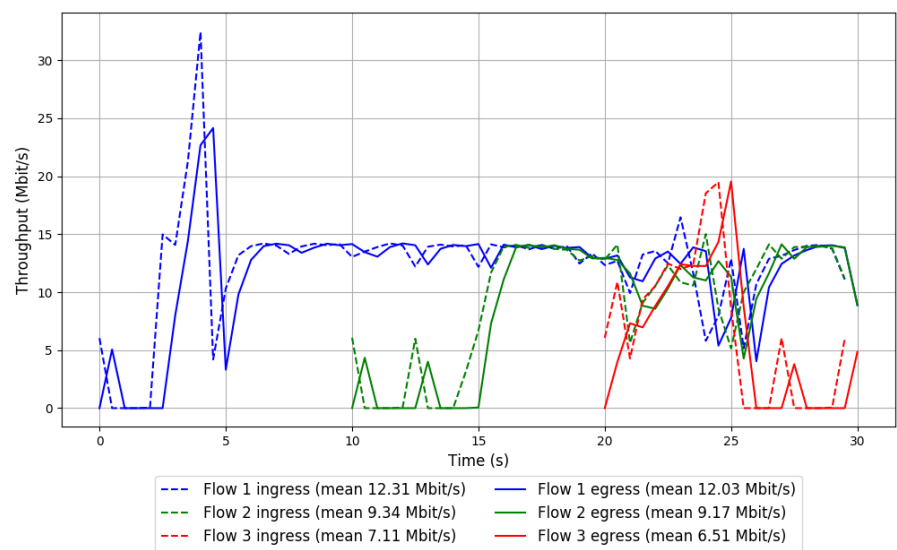


Run 5: Statistics of TaoVA-100x

Start at: 2018-07-10 22:02:41
End at: 2018-07-10 22:03:11
Local clock offset: 0.928 ms
Remote clock offset: -0.849 ms

Below is generated by plot.py at 2018-07-11 00:21:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 20.23 Mbit/s
95th percentile per-packet one-way delay: 79.019 ms
Loss rate: 3.31%
-- Flow 1:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 73.558 ms
Loss rate: 2.82%
-- Flow 2:
Average throughput: 9.17 Mbit/s
95th percentile per-packet one-way delay: 77.174 ms
Loss rate: 2.57%
-- Flow 3:
Average throughput: 6.51 Mbit/s
95th percentile per-packet one-way delay: 98.014 ms
Loss rate: 7.97%

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

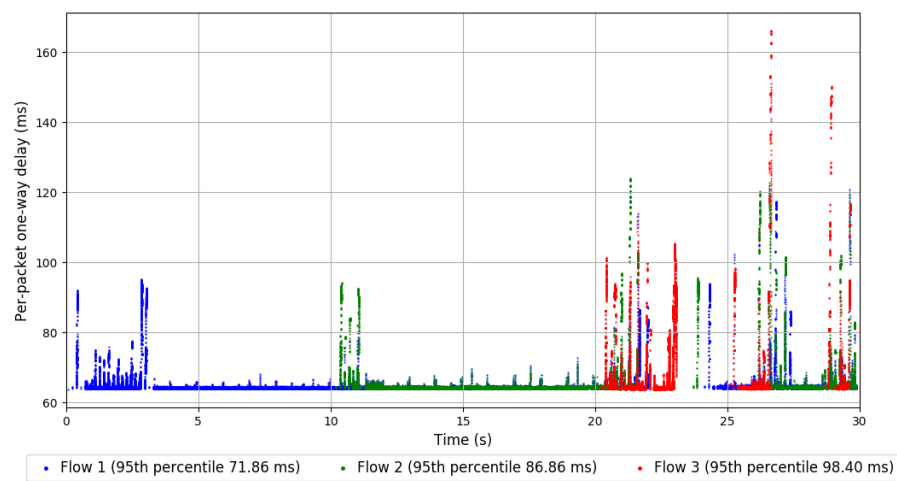
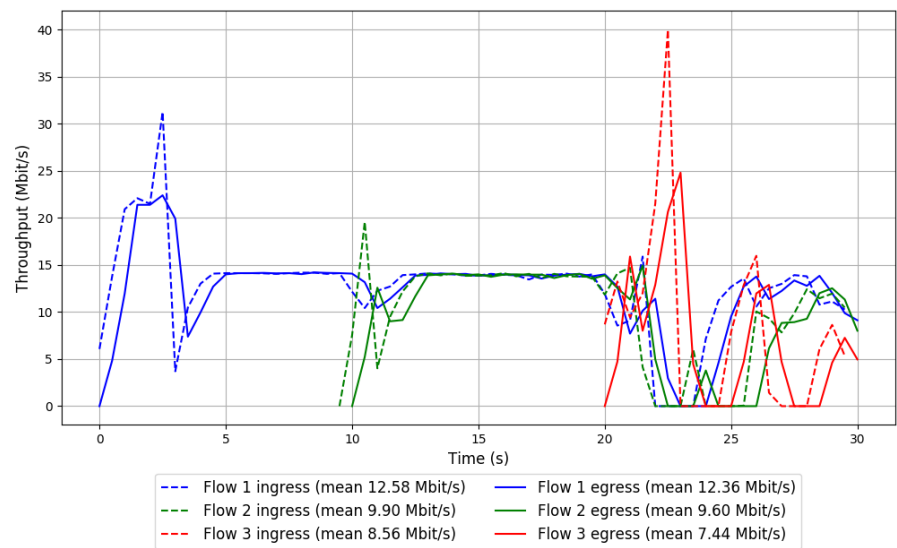


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-10 22:26:07
End at: 2018-07-10 22:26:37
Local clock offset: 1.011 ms
Remote clock offset: -1.378 ms

Below is generated by plot.py at 2018-07-11 00:21:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 21.14 Mbit/s
95th percentile per-packet one-way delay: 84.840 ms
Loss rate: 3.96%
-- Flow 1:
Average throughput: 12.36 Mbit/s
95th percentile per-packet one-way delay: 71.858 ms
Loss rate: 2.23%
-- Flow 2:
Average throughput: 9.60 Mbit/s
95th percentile per-packet one-way delay: 86.859 ms
Loss rate: 3.69%
-- Flow 3:
Average throughput: 7.44 Mbit/s
95th percentile per-packet one-way delay: 98.404 ms
Loss rate: 12.57%

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

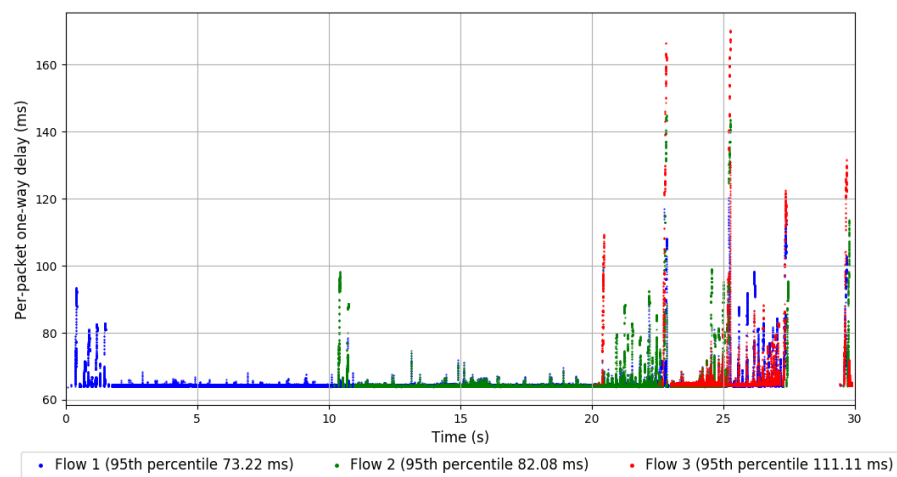
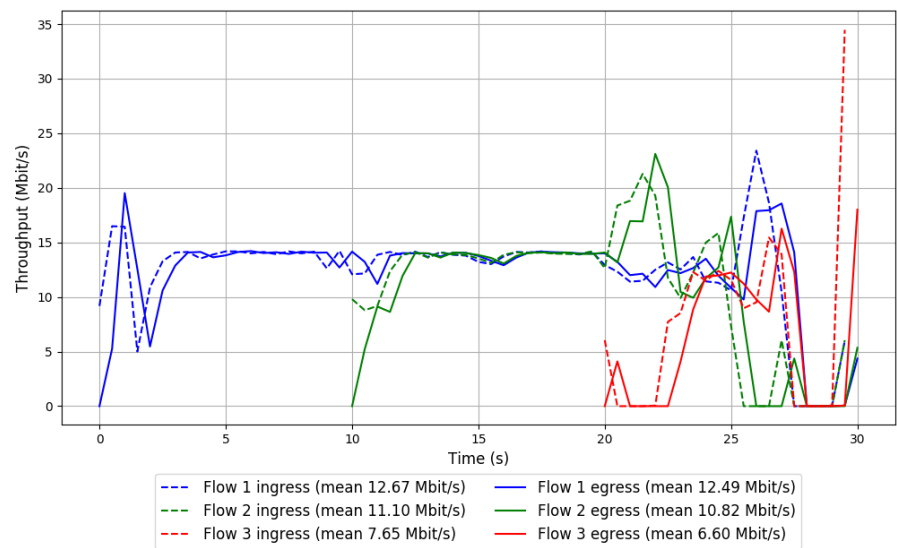


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-10 22:49:52
End at: 2018-07-10 22:50:22
Local clock offset: 0.932 ms
Remote clock offset: -1.169 ms

Below is generated by plot.py at 2018-07-11 00:21:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 21.73 Mbit/s
95th percentile per-packet one-way delay: 80.399 ms
Loss rate: 3.18%
-- Flow 1:
Average throughput: 12.49 Mbit/s
95th percentile per-packet one-way delay: 73.218 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 10.82 Mbit/s
95th percentile per-packet one-way delay: 82.079 ms
Loss rate: 2.27%
-- Flow 3:
Average throughput: 6.60 Mbit/s
95th percentile per-packet one-way delay: 111.114 ms
Loss rate: 15.12%

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

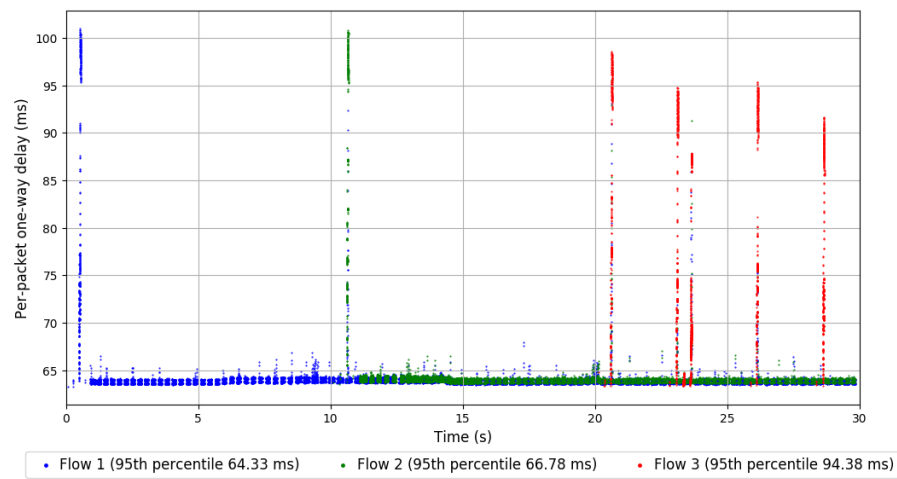
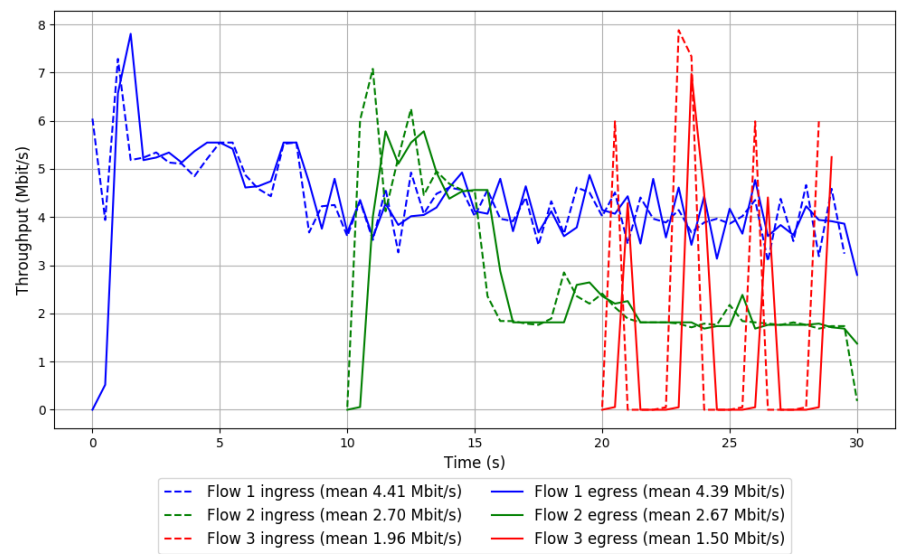


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-10 23:13:30
End at: 2018-07-10 23:14:00
Local clock offset: 0.666 ms
Remote clock offset: -0.984 ms

Below is generated by plot.py at 2018-07-11 00:21:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.59 Mbit/s
95th percentile per-packet one-way delay: 74.594 ms
Loss rate: 3.20%
-- Flow 1:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 64.329 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 2.67 Mbit/s
95th percentile per-packet one-way delay: 66.781 ms
Loss rate: 2.70%
-- Flow 3:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 94.380 ms
Loss rate: 23.30%

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

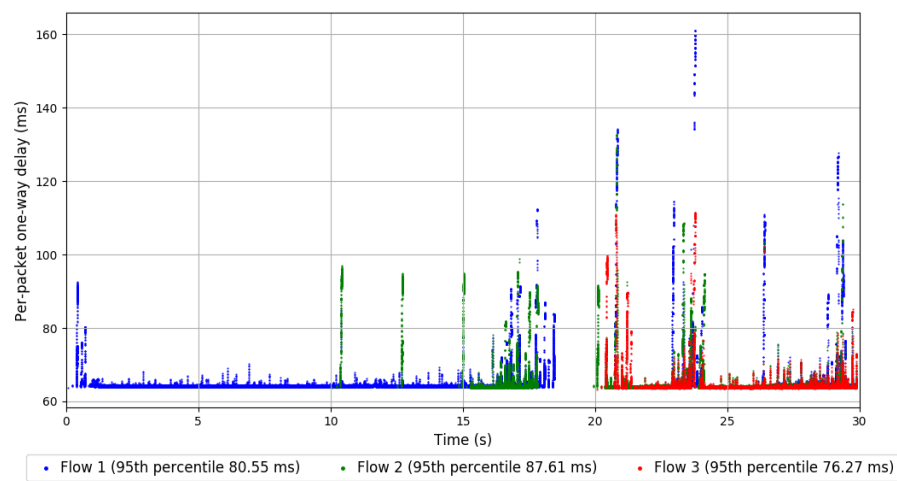
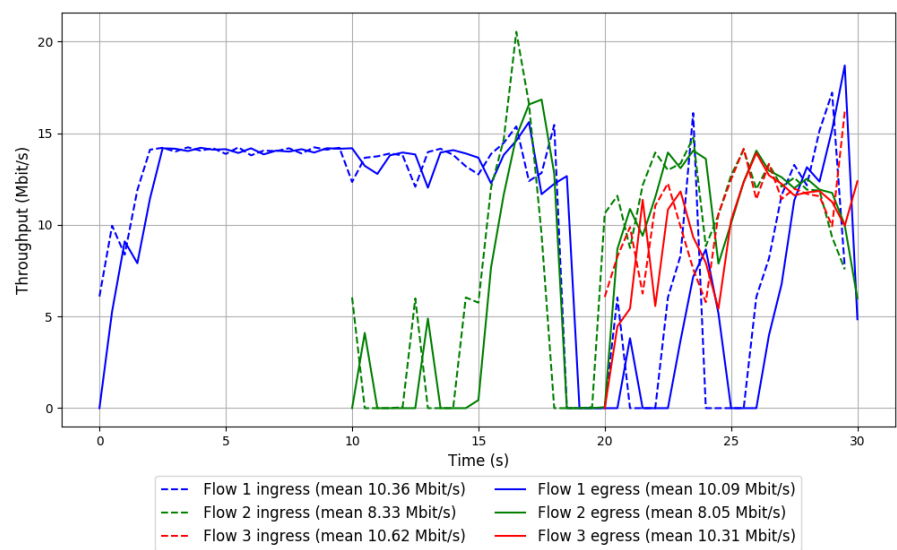


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-10 23:37:00
End at: 2018-07-10 23:37:30
Local clock offset: 0.375 ms
Remote clock offset: -1.427 ms

Below is generated by plot.py at 2018-07-11 00:21:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.83 Mbit/s
95th percentile per-packet one-way delay: 82.992 ms
Loss rate: 3.58%
-- Flow 1:
Average throughput: 10.09 Mbit/s
95th percentile per-packet one-way delay: 80.549 ms
Loss rate: 3.11%
-- Flow 2:
Average throughput: 8.05 Mbit/s
95th percentile per-packet one-way delay: 87.614 ms
Loss rate: 3.94%
-- Flow 3:
Average throughput: 10.31 Mbit/s
95th percentile per-packet one-way delay: 76.271 ms
Loss rate: 4.40%

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

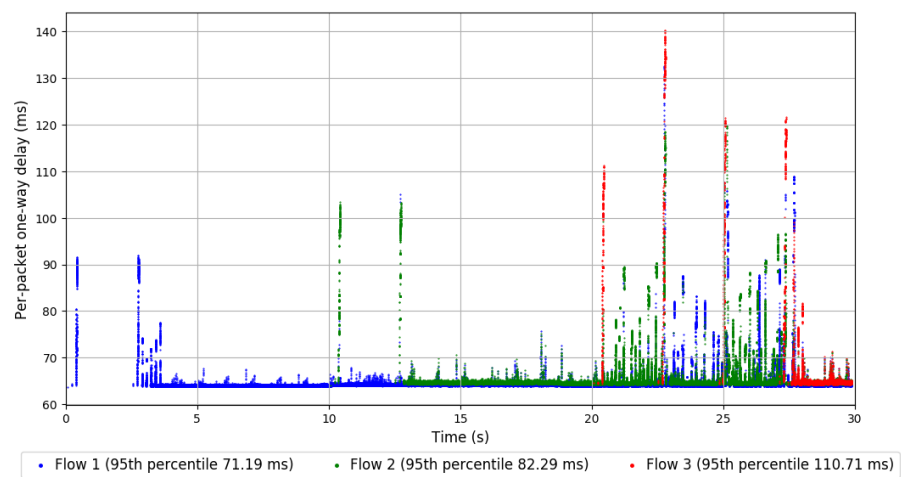
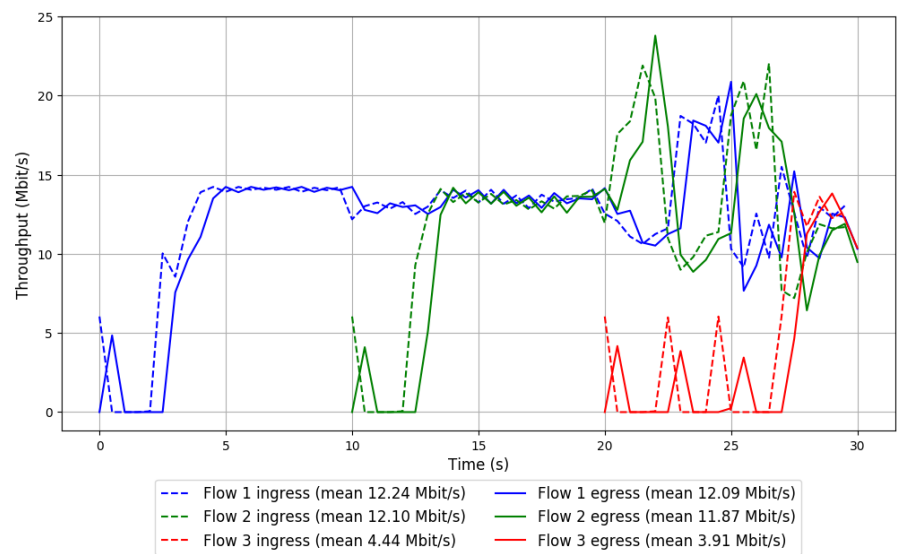


Run 10: Statistics of TaoVA-100x

Start at: 2018-07-11 00:00:28
End at: 2018-07-11 00:00:58
Local clock offset: 0.427 ms
Remote clock offset: -1.091 ms

Below is generated by plot.py at 2018-07-11 00:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 21.27 Mbit/s
95th percentile per-packet one-way delay: 78.505 ms
Loss rate: 2.81%
-- Flow 1:
Average throughput: 12.09 Mbit/s
95th percentile per-packet one-way delay: 71.195 ms
Loss rate: 1.66%
-- Flow 2:
Average throughput: 11.87 Mbit/s
95th percentile per-packet one-way delay: 82.294 ms
Loss rate: 2.65%
-- Flow 3:
Average throughput: 3.91 Mbit/s
95th percentile per-packet one-way delay: 110.711 ms
Loss rate: 13.23%

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

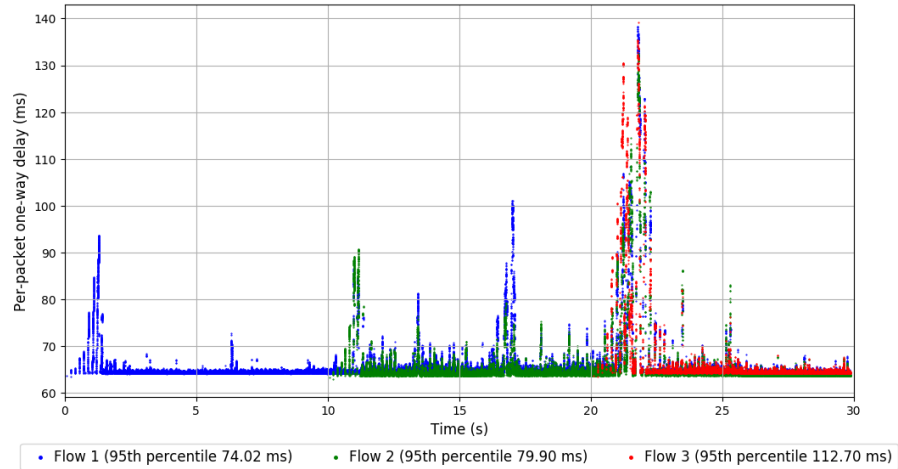
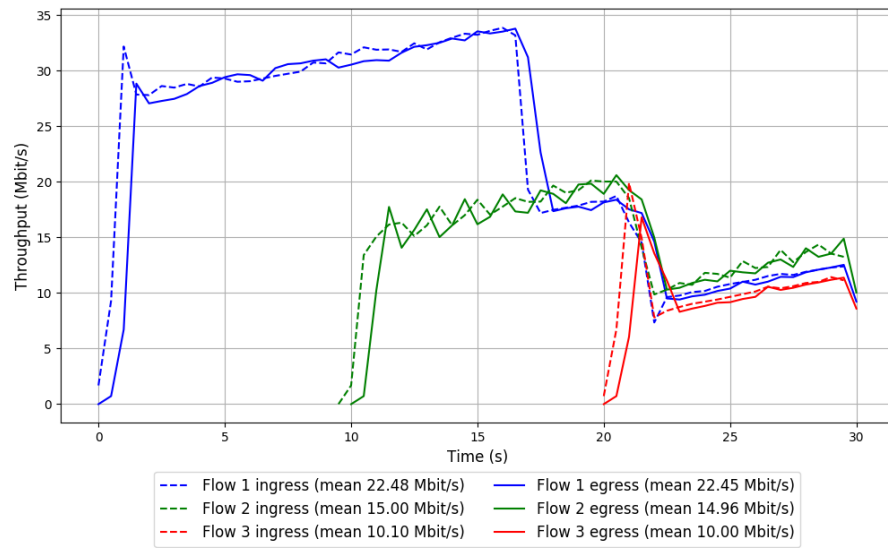


Run 1: Statistics of TCP Vegas

Start at: 2018-07-10 20:23:15
End at: 2018-07-10 20:23:45
Local clock offset: 0.981 ms
Remote clock offset: -1.088 ms

Below is generated by plot.py at 2018-07-11 00:21:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.67 Mbit/s
95th percentile per-packet one-way delay: 78.340 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 22.45 Mbit/s
95th percentile per-packet one-way delay: 74.024 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 14.96 Mbit/s
95th percentile per-packet one-way delay: 79.902 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 10.00 Mbit/s
95th percentile per-packet one-way delay: 112.700 ms
Loss rate: 2.51%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-10 20:46:40

End at: 2018-07-10 20:47:10

Local clock offset: 1.256 ms

Remote clock offset: 0.403 ms

Below is generated by plot.py at 2018-07-11 00:21:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 42.71 Mbit/s

95th percentile per-packet one-way delay: 82.113 ms

Loss rate: 1.13%

-- Flow 1:

Average throughput: 22.83 Mbit/s

95th percentile per-packet one-way delay: 76.065 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 24.21 Mbit/s

95th percentile per-packet one-way delay: 85.166 ms

Loss rate: 1.27%

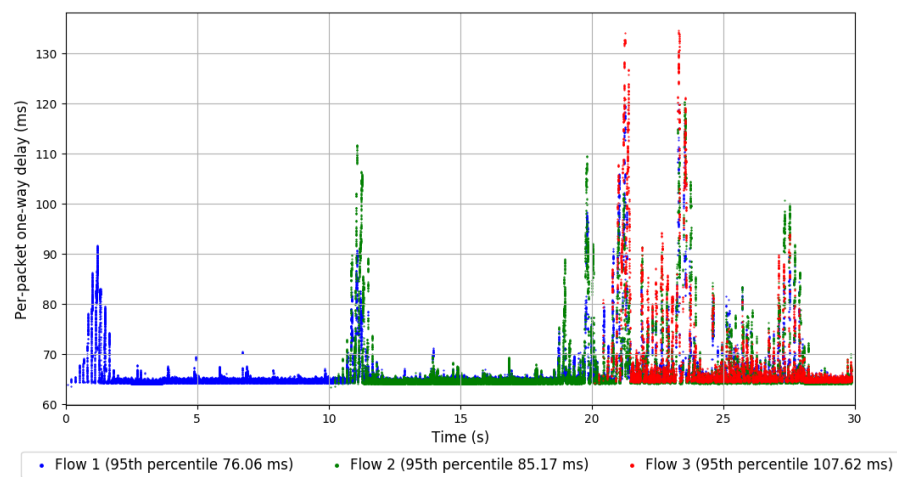
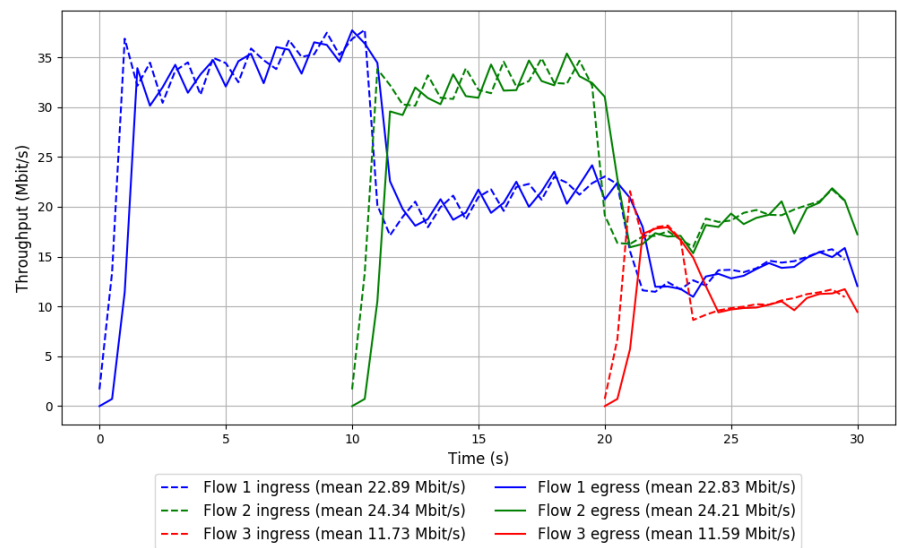
-- Flow 3:

Average throughput: 11.59 Mbit/s

95th percentile per-packet one-way delay: 107.616 ms

Loss rate: 2.67%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

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

End at: 2018-07-10 21:10:37

Local clock offset: 1.306 ms

Remote clock offset: 0.112 ms

Below is generated by plot.py at 2018-07-11 00:21:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 45.14 Mbit/s

95th percentile per-packet one-way delay: 92.632 ms

Loss rate: 1.11%

-- Flow 1:

Average throughput: 26.38 Mbit/s

95th percentile per-packet one-way delay: 89.856 ms

Loss rate: 0.93%

-- Flow 2:

Average throughput: 19.25 Mbit/s

95th percentile per-packet one-way delay: 96.527 ms

Loss rate: 1.03%

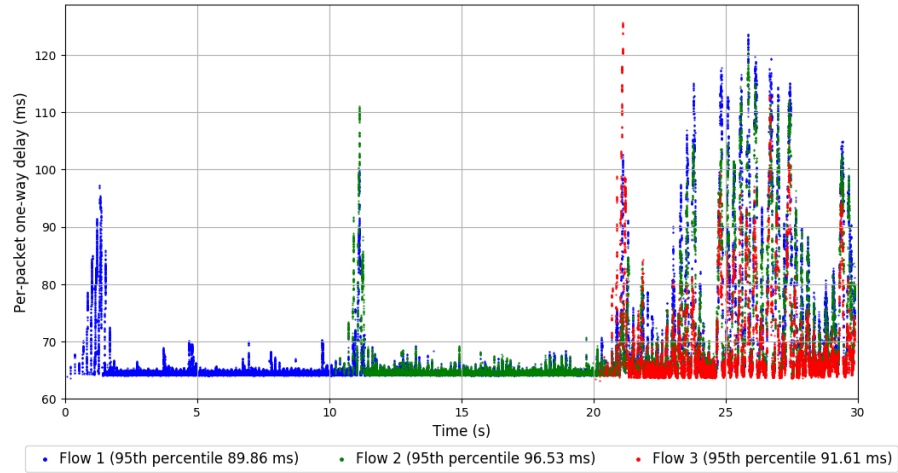
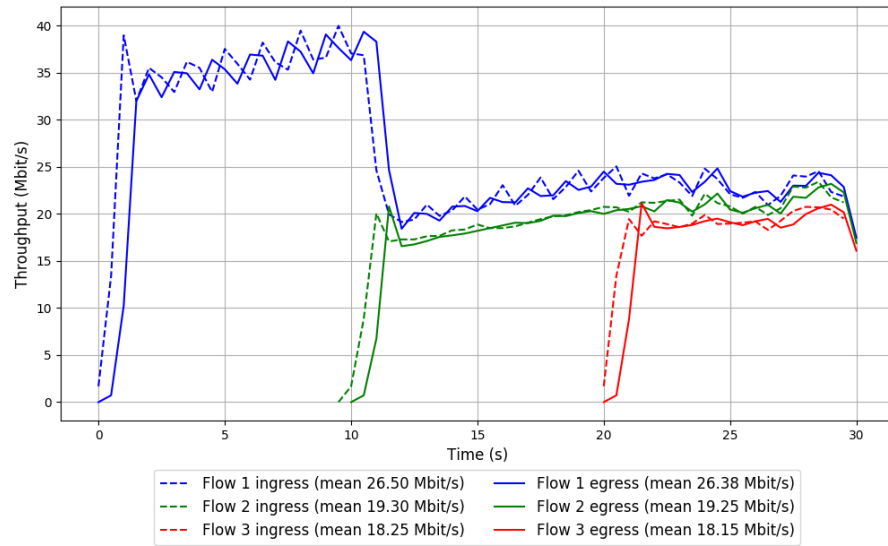
-- Flow 3:

Average throughput: 18.15 Mbit/s

95th percentile per-packet one-way delay: 91.607 ms

Loss rate: 2.06%

Run 3: Report of TCP Vegas — Data Link

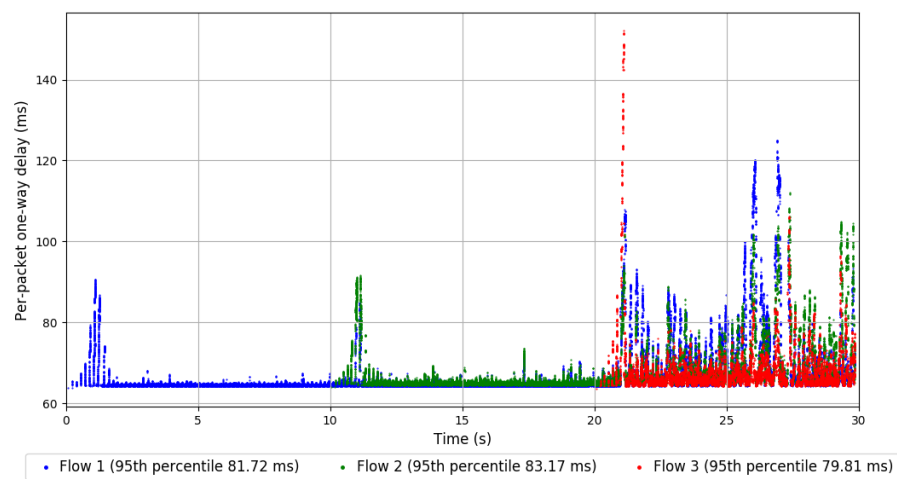
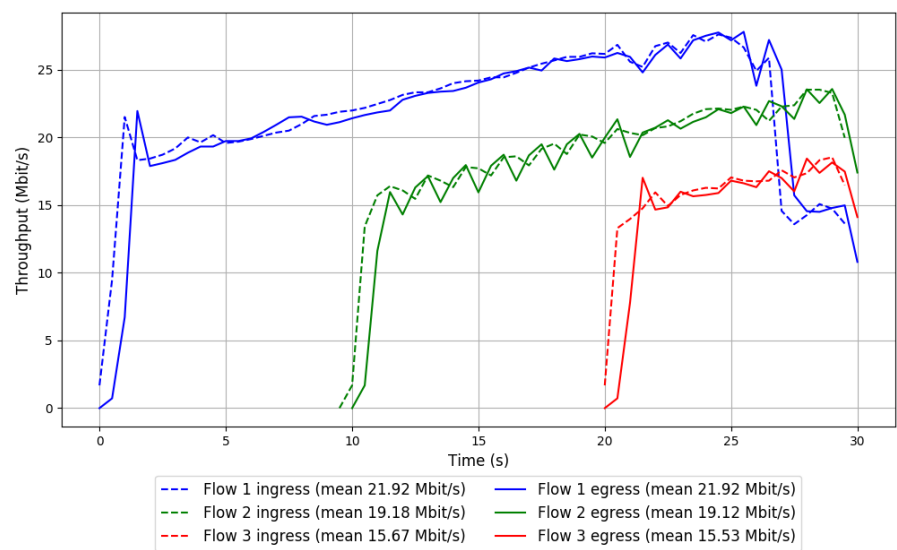


Run 4: Statistics of TCP Vegas

Start at: 2018-07-10 21:33:35
End at: 2018-07-10 21:34:05
Local clock offset: 1.155 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2018-07-11 00:21:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.74 Mbit/s
95th percentile per-packet one-way delay: 81.938 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 21.92 Mbit/s
95th percentile per-packet one-way delay: 81.725 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 19.12 Mbit/s
95th percentile per-packet one-way delay: 83.167 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 15.53 Mbit/s
95th percentile per-packet one-way delay: 79.806 ms
Loss rate: 2.41%

Run 4: Report of TCP Vegas — Data Link

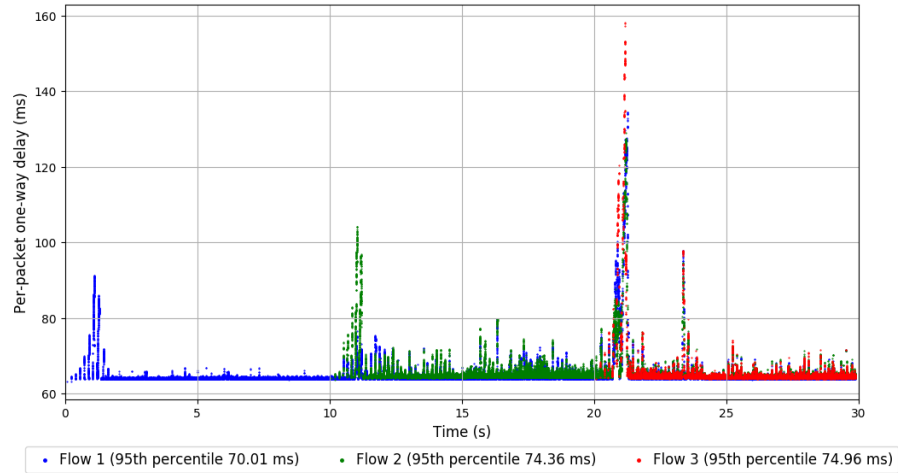
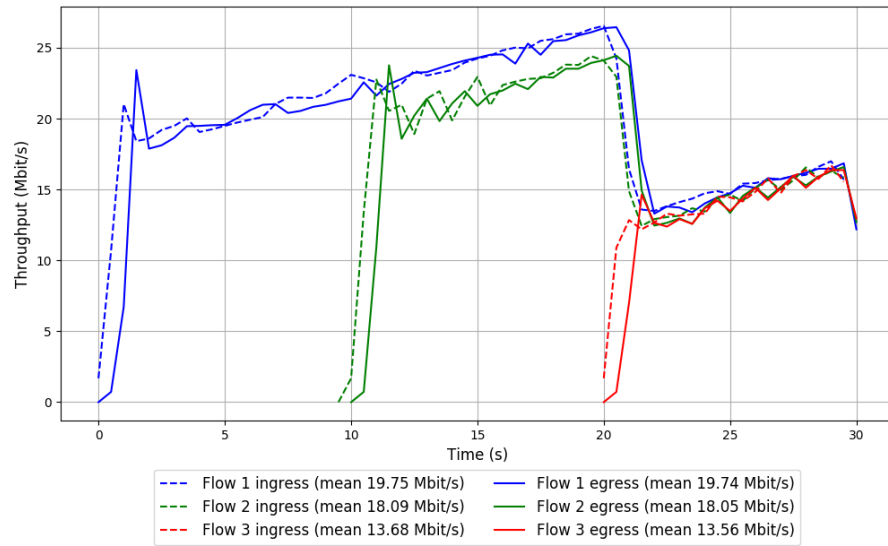


Run 5: Statistics of TCP Vegas

Start at: 2018-07-10 21:57:09
End at: 2018-07-10 21:57:39
Local clock offset: 1.048 ms
Remote clock offset: -0.823 ms

Below is generated by plot.py at 2018-07-11 00:21:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.20 Mbit/s
95th percentile per-packet one-way delay: 71.673 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 19.74 Mbit/s
95th percentile per-packet one-way delay: 70.011 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 18.05 Mbit/s
95th percentile per-packet one-way delay: 74.355 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 13.56 Mbit/s
95th percentile per-packet one-way delay: 74.956 ms
Loss rate: 2.32%

Run 5: Report of TCP Vegas — Data Link

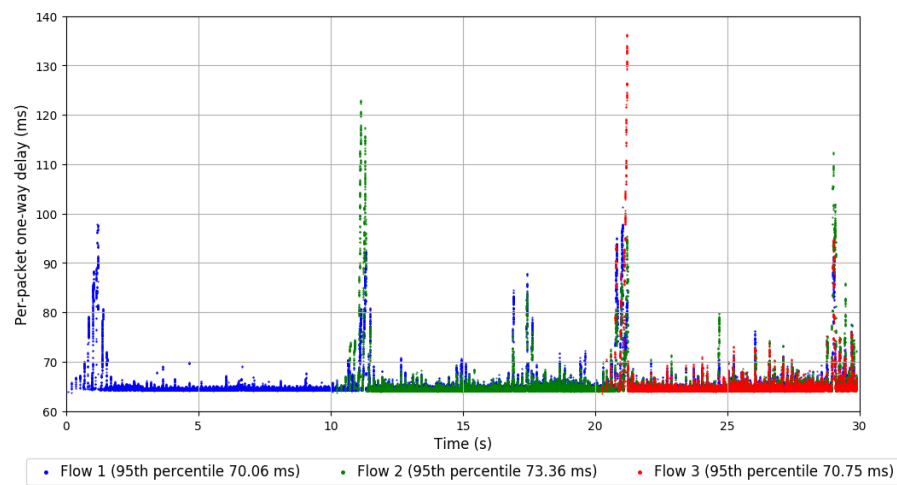
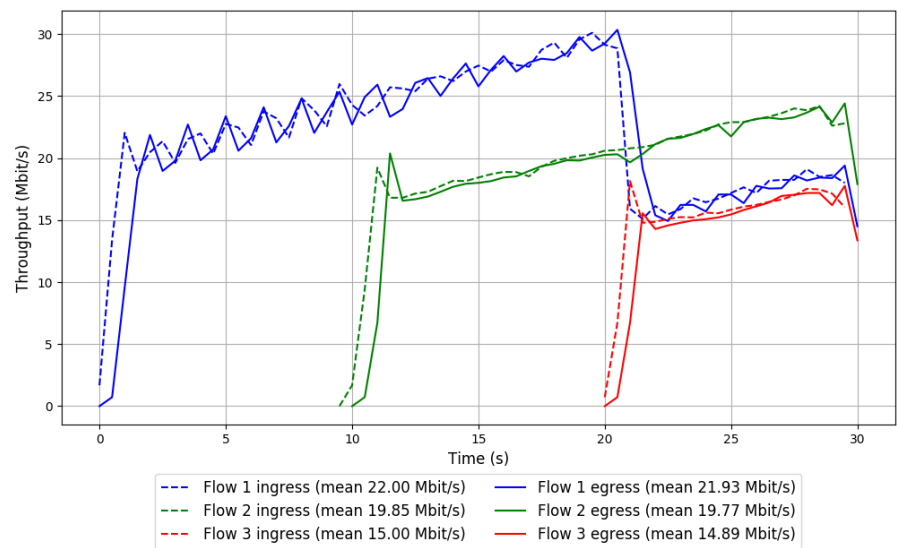


Run 6: Statistics of TCP Vegas

Start at: 2018-07-10 22:20:35
End at: 2018-07-10 22:21:05
Local clock offset: 0.91 ms
Remote clock offset: -1.268 ms

Below is generated by plot.py at 2018-07-11 00:21:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.96 Mbit/s
95th percentile per-packet one-way delay: 71.610 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 21.93 Mbit/s
95th percentile per-packet one-way delay: 70.055 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 19.77 Mbit/s
95th percentile per-packet one-way delay: 73.357 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 14.89 Mbit/s
95th percentile per-packet one-way delay: 70.755 ms
Loss rate: 2.34%

Run 6: Report of TCP Vegas — Data Link

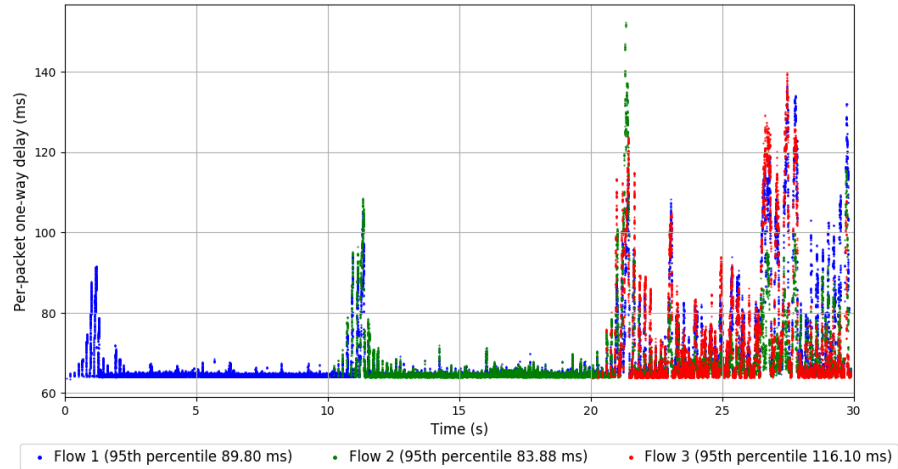
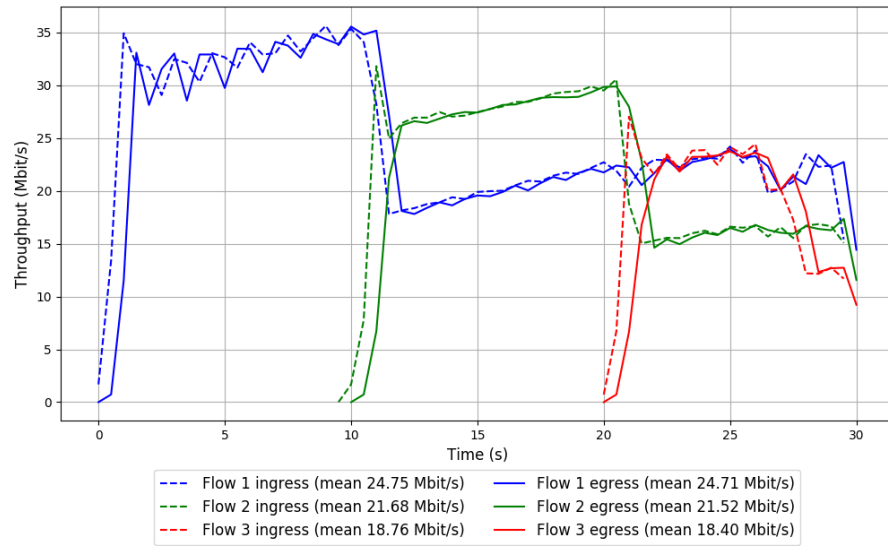


Run 7: Statistics of TCP Vegas

Start at: 2018-07-10 22:44:09
End at: 2018-07-10 22:44:39
Local clock offset: 0.937 ms
Remote clock offset: -1.393 ms

Below is generated by plot.py at 2018-07-11 00:22:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 45.05 Mbit/s
95th percentile per-packet one-way delay: 93.837 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 89.800 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 21.52 Mbit/s
95th percentile per-packet one-way delay: 83.883 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 18.40 Mbit/s
95th percentile per-packet one-way delay: 116.102 ms
Loss rate: 3.37%

Run 7: Report of TCP Vegas — Data Link

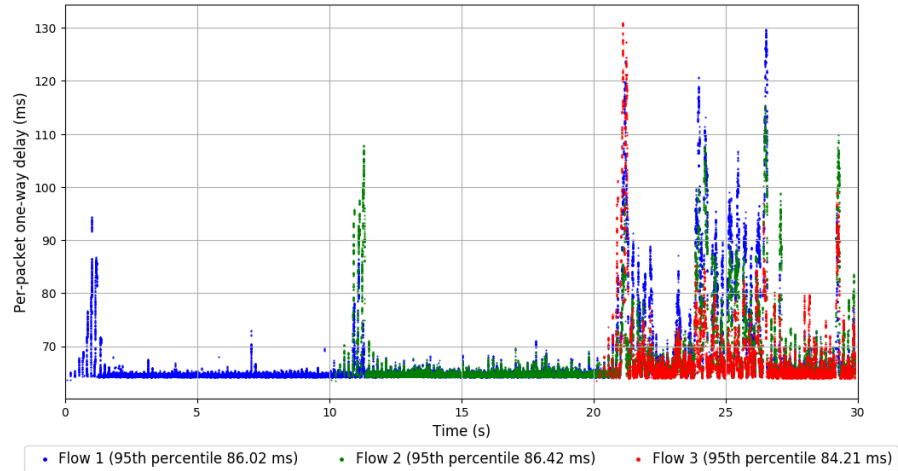
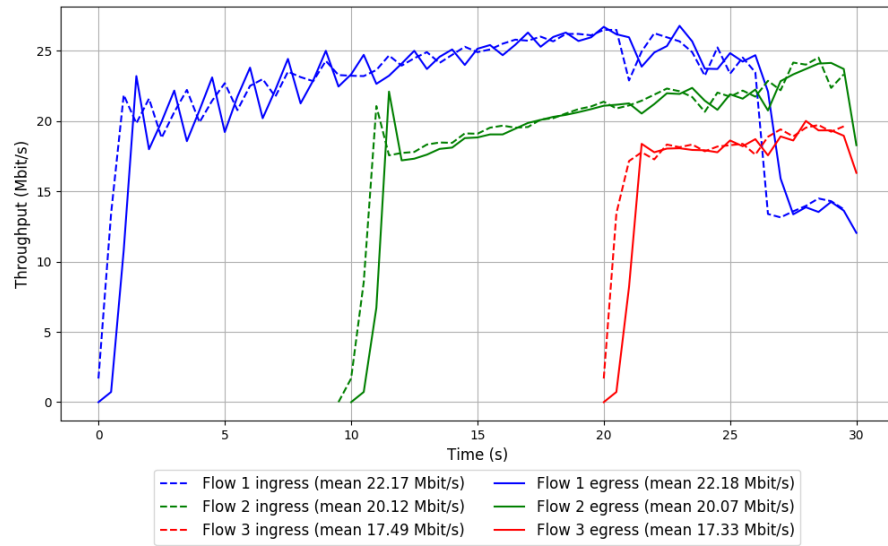


Run 8: Statistics of TCP Vegas

Start at: 2018-07-10 23:07:57
End at: 2018-07-10 23:08:27
Local clock offset: 0.845 ms
Remote clock offset: -0.949 ms

Below is generated by plot.py at 2018-07-11 00:22:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.21 Mbit/s
95th percentile per-packet one-way delay: 86.025 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 22.18 Mbit/s
95th percentile per-packet one-way delay: 86.015 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 20.07 Mbit/s
95th percentile per-packet one-way delay: 86.420 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 17.33 Mbit/s
95th percentile per-packet one-way delay: 84.212 ms
Loss rate: 2.40%

Run 8: Report of TCP Vegas — Data Link

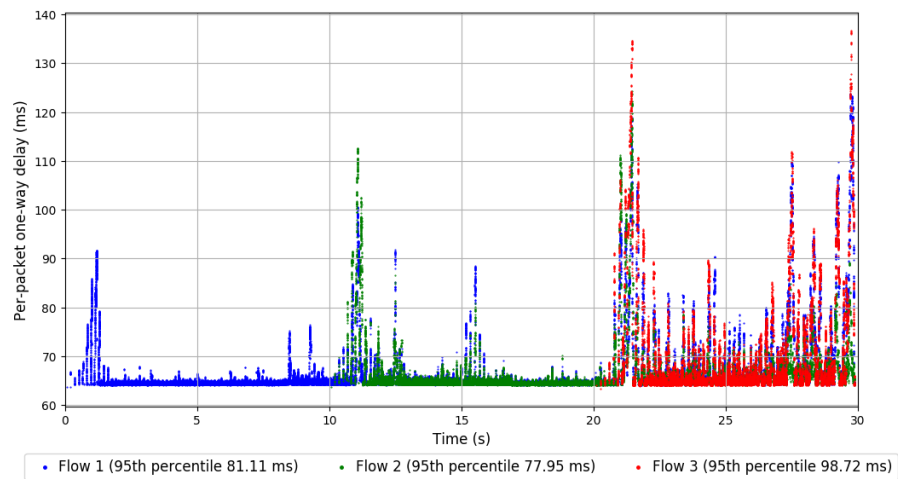
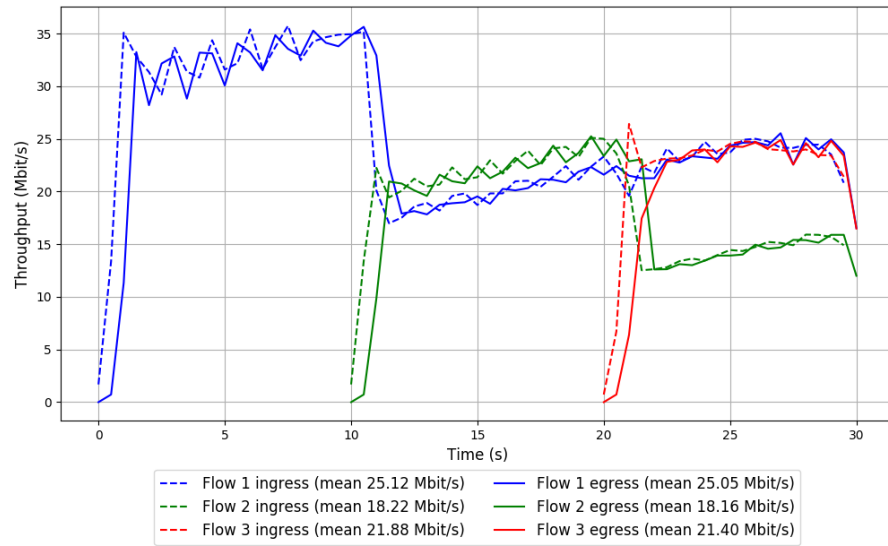


Run 9: Statistics of TCP Vegas

Start at: 2018-07-10 23:31:28
End at: 2018-07-10 23:31:58
Local clock offset: 0.678 ms
Remote clock offset: -1.386 ms

Below is generated by plot.py at 2018-07-11 00:22:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.13 Mbit/s
95th percentile per-packet one-way delay: 84.564 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 25.05 Mbit/s
95th percentile per-packet one-way delay: 81.106 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 18.16 Mbit/s
95th percentile per-packet one-way delay: 77.949 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 21.40 Mbit/s
95th percentile per-packet one-way delay: 98.720 ms
Loss rate: 3.67%

Run 9: Report of TCP Vegas — Data Link

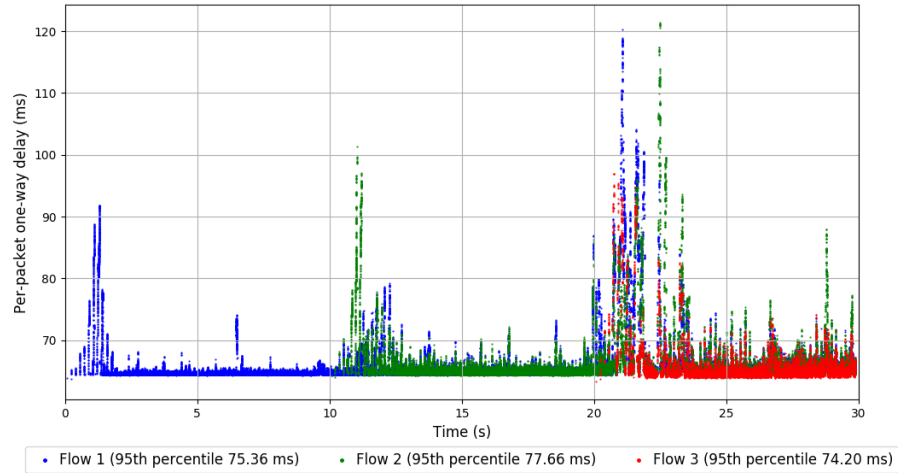
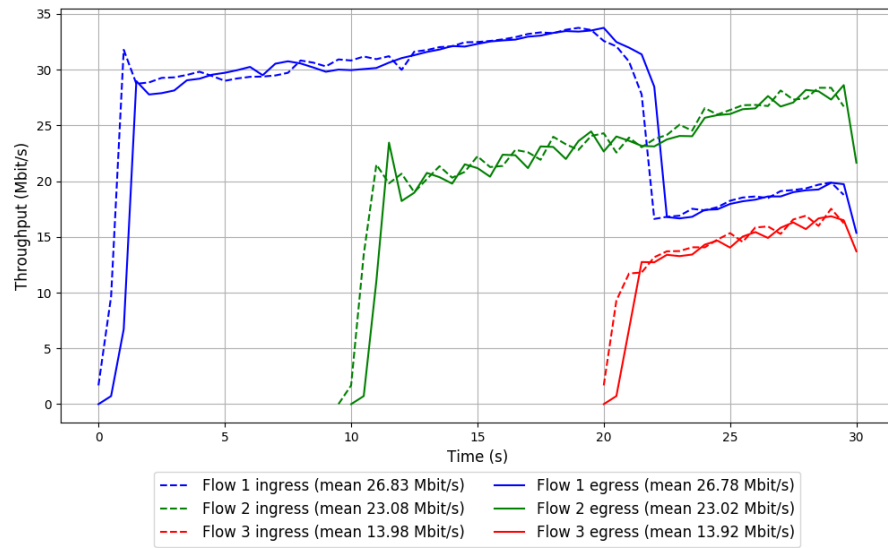


Run 10: Statistics of TCP Vegas

Start at: 2018-07-10 23:54:55
End at: 2018-07-10 23:55:25
Local clock offset: 0.591 ms
Remote clock offset: -1.248 ms

Below is generated by plot.py at 2018-07-11 00:22:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.65 Mbit/s
95th percentile per-packet one-way delay: 76.137 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 26.78 Mbit/s
95th percentile per-packet one-way delay: 75.363 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 23.02 Mbit/s
95th percentile per-packet one-way delay: 77.661 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 13.92 Mbit/s
95th percentile per-packet one-way delay: 74.203 ms
Loss rate: 1.88%

Run 10: Report of TCP Vegas — Data Link

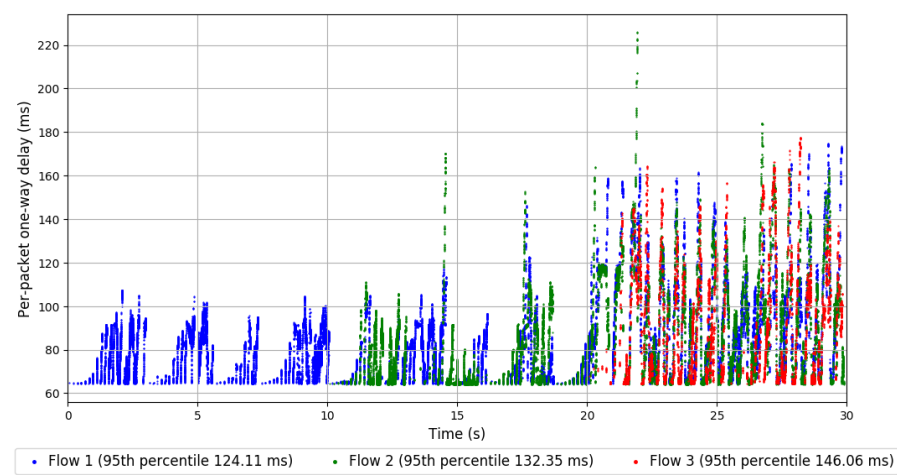
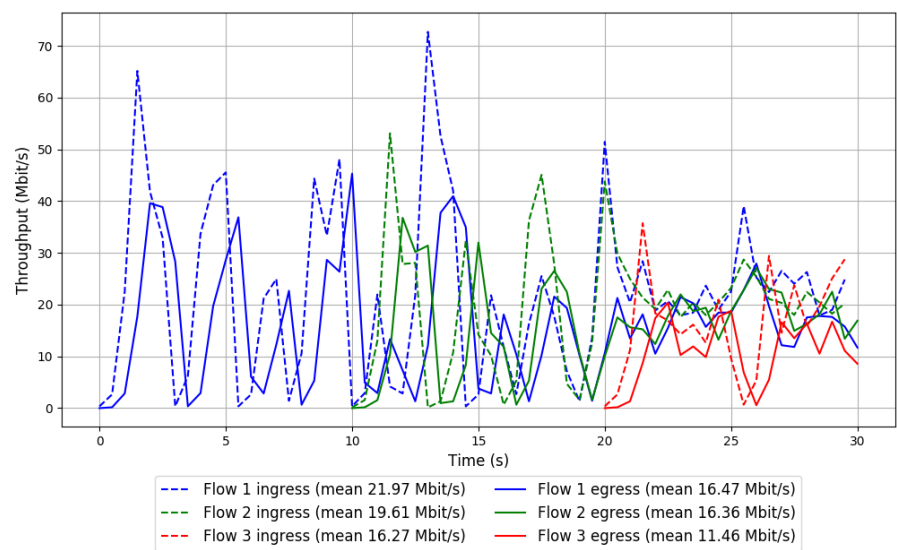


Run 1: Statistics of Verus

Start at: 2018-07-10 20:31:29
End at: 2018-07-10 20:31:59
Local clock offset: 1.112 ms
Remote clock offset: -0.477 ms

Below is generated by plot.py at 2018-07-11 00:22:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 31.02 Mbit/s
95th percentile per-packet one-way delay: 132.022 ms
Loss rate: 23.65%
-- Flow 1:
Average throughput: 16.47 Mbit/s
95th percentile per-packet one-way delay: 124.115 ms
Loss rate: 25.66%
-- Flow 2:
Average throughput: 16.36 Mbit/s
95th percentile per-packet one-way delay: 132.348 ms
Loss rate: 17.30%
-- Flow 3:
Average throughput: 11.46 Mbit/s
95th percentile per-packet one-way delay: 146.061 ms
Loss rate: 30.83%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-07-10 20:54:53

End at: 2018-07-10 20:55:23

Local clock offset: 1.167 ms

Remote clock offset: 0.673 ms

Below is generated by plot.py at 2018-07-11 00:22:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 34.10 Mbit/s

95th percentile per-packet one-way delay: 122.969 ms

Loss rate: 31.85%

-- Flow 1:

Average throughput: 22.00 Mbit/s

95th percentile per-packet one-way delay: 115.460 ms

Loss rate: 36.24%

-- Flow 2:

Average throughput: 12.79 Mbit/s

95th percentile per-packet one-way delay: 133.062 ms

Loss rate: 19.16%

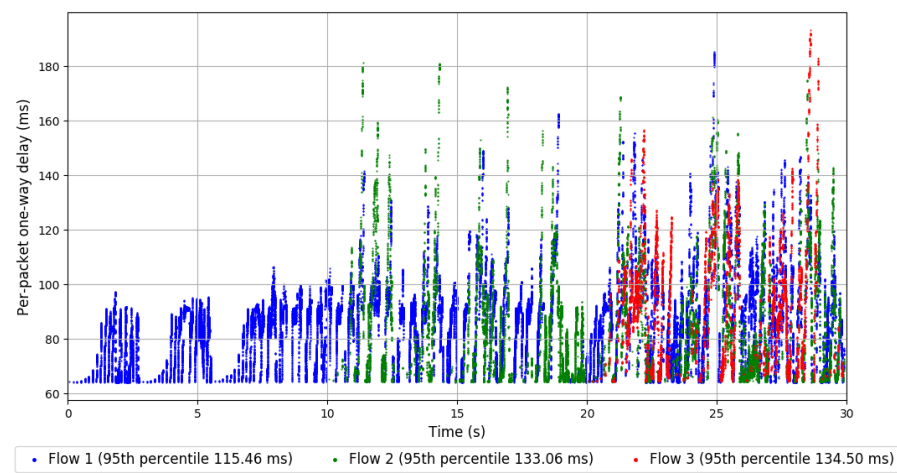
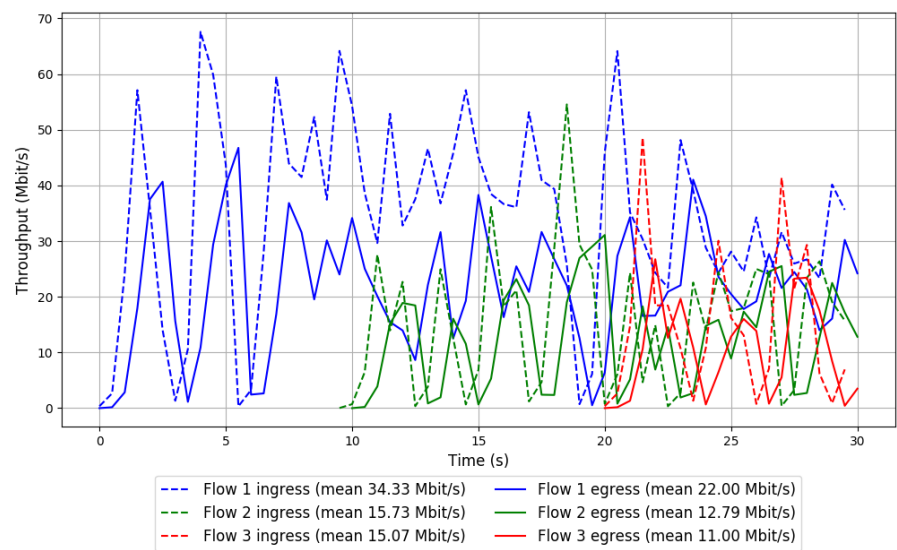
-- Flow 3:

Average throughput: 11.00 Mbit/s

95th percentile per-packet one-way delay: 134.503 ms

Loss rate: 28.31%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-07-10 21:18:22

End at: 2018-07-10 21:18:52

Local clock offset: 1.304 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-07-11 00:22:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 34.20 Mbit/s

95th percentile per-packet one-way delay: 128.278 ms

Loss rate: 31.90%

-- Flow 1:

Average throughput: 17.12 Mbit/s

95th percentile per-packet one-way delay: 116.355 ms

Loss rate: 22.71%

-- Flow 2:

Average throughput: 17.44 Mbit/s

95th percentile per-packet one-way delay: 126.020 ms

Loss rate: 44.09%

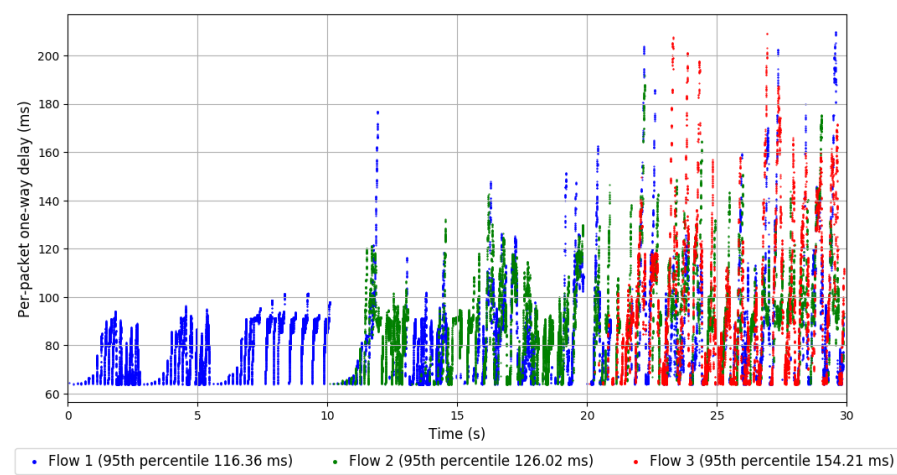
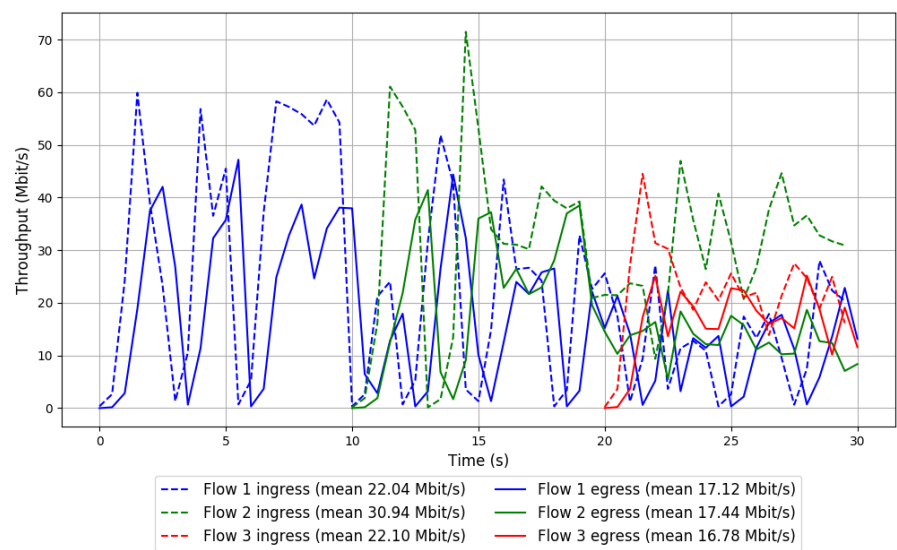
-- Flow 3:

Average throughput: 16.78 Mbit/s

95th percentile per-packet one-way delay: 154.212 ms

Loss rate: 25.27%

Run 3: Report of Verus — Data Link

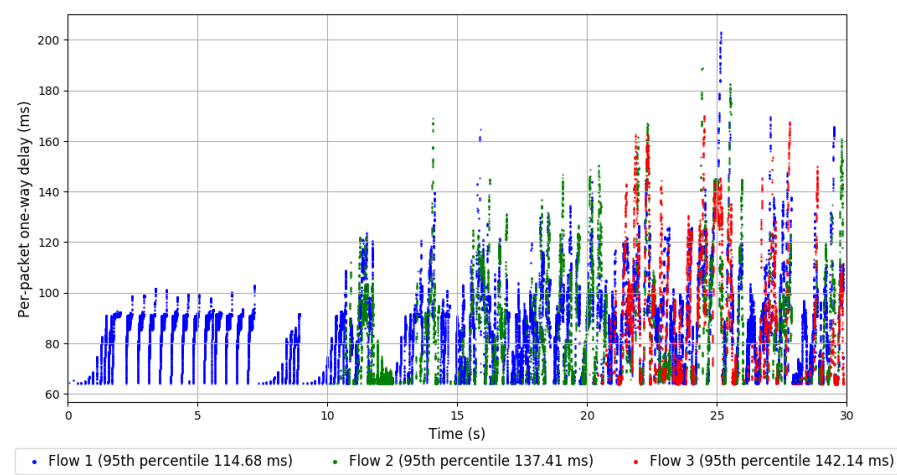
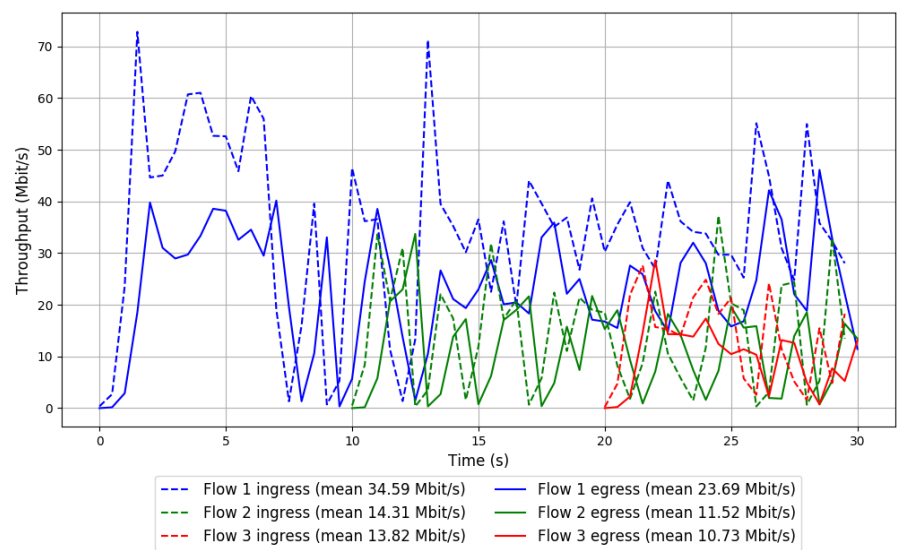


Run 4: Statistics of Verus

Start at: 2018-07-10 21:41:49
End at: 2018-07-10 21:42:19
Local clock offset: 0.947 ms
Remote clock offset: -0.546 ms

Below is generated by plot.py at 2018-07-11 00:22:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 34.84 Mbit/s
95th percentile per-packet one-way delay: 124.201 ms
Loss rate: 28.84%
-- Flow 1:
Average throughput: 23.69 Mbit/s
95th percentile per-packet one-way delay: 114.682 ms
Loss rate: 31.91%
-- Flow 2:
Average throughput: 11.52 Mbit/s
95th percentile per-packet one-way delay: 137.410 ms
Loss rate: 20.26%
-- Flow 3:
Average throughput: 10.73 Mbit/s
95th percentile per-packet one-way delay: 142.140 ms
Loss rate: 23.56%

Run 4: Report of Verus — Data Link

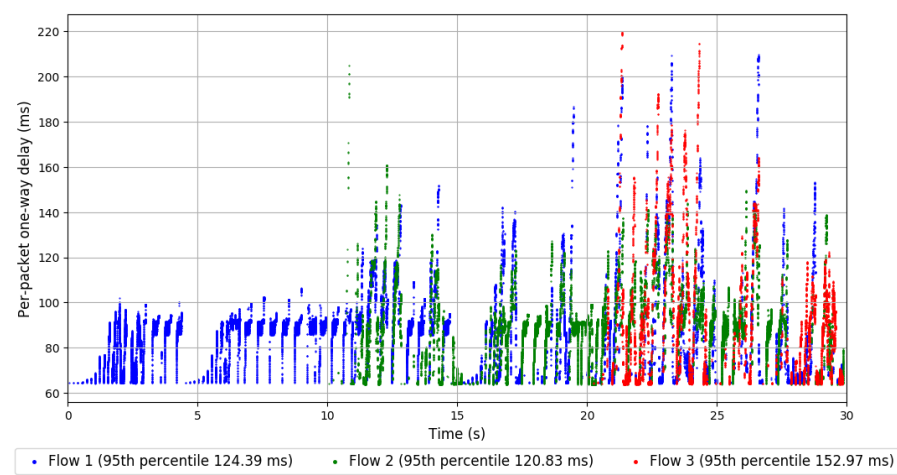
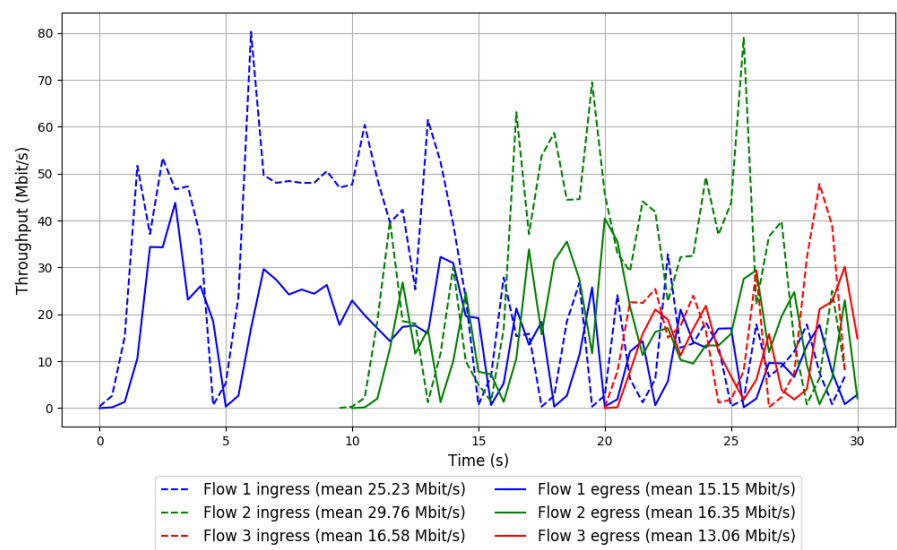


Run 5: Statistics of Verus

Start at: 2018-07-10 22:05:23
End at: 2018-07-10 22:05:53
Local clock offset: 1.06 ms
Remote clock offset: -0.834 ms

Below is generated by plot.py at 2018-07-11 00:22:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.26 Mbit/s
95th percentile per-packet one-way delay: 127.367 ms
Loss rate: 40.39%
-- Flow 1:
Average throughput: 15.15 Mbit/s
95th percentile per-packet one-way delay: 124.392 ms
Loss rate: 40.29%
-- Flow 2:
Average throughput: 16.35 Mbit/s
95th percentile per-packet one-way delay: 120.828 ms
Loss rate: 45.46%
-- Flow 3:
Average throughput: 13.06 Mbit/s
95th percentile per-packet one-way delay: 152.965 ms
Loss rate: 22.53%

Run 5: Report of Verus — Data Link

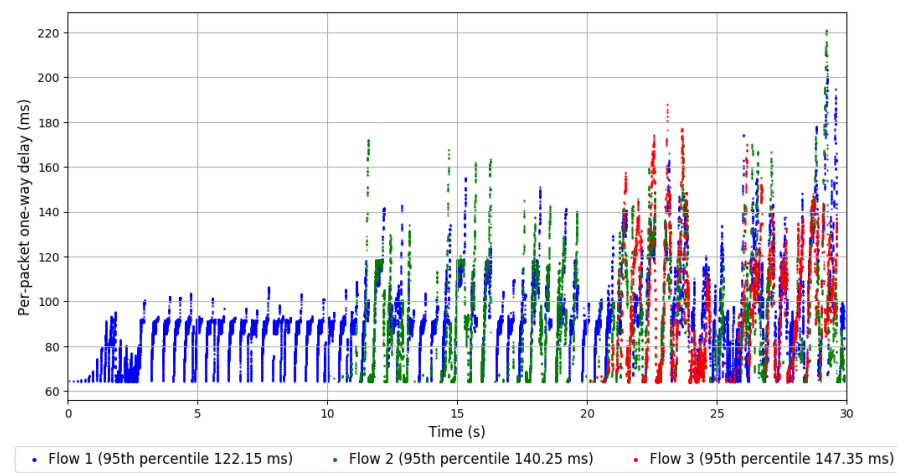
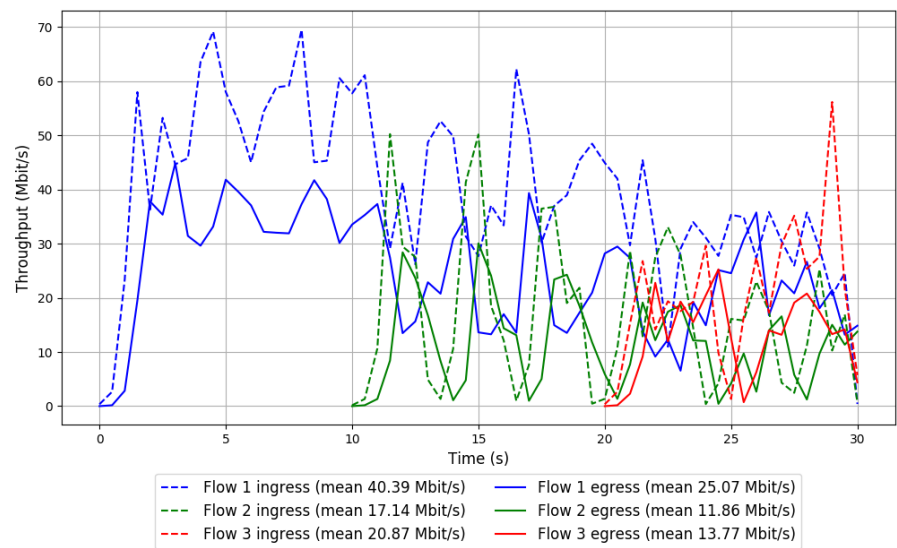


Run 6: Statistics of Verus

Start at: 2018-07-10 22:28:50
End at: 2018-07-10 22:29:20
Local clock offset: 1.123 ms
Remote clock offset: -1.385 ms

Below is generated by plot.py at 2018-07-11 00:22:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.35 Mbit/s
95th percentile per-packet one-way delay: 132.534 ms
Loss rate: 36.88%
-- Flow 1:
Average throughput: 25.07 Mbit/s
95th percentile per-packet one-way delay: 122.150 ms
Loss rate: 38.31%
-- Flow 2:
Average throughput: 11.86 Mbit/s
95th percentile per-packet one-way delay: 140.249 ms
Loss rate: 31.59%
-- Flow 3:
Average throughput: 13.77 Mbit/s
95th percentile per-packet one-way delay: 147.346 ms
Loss rate: 37.25%

Run 6: Report of Verus — Data Link

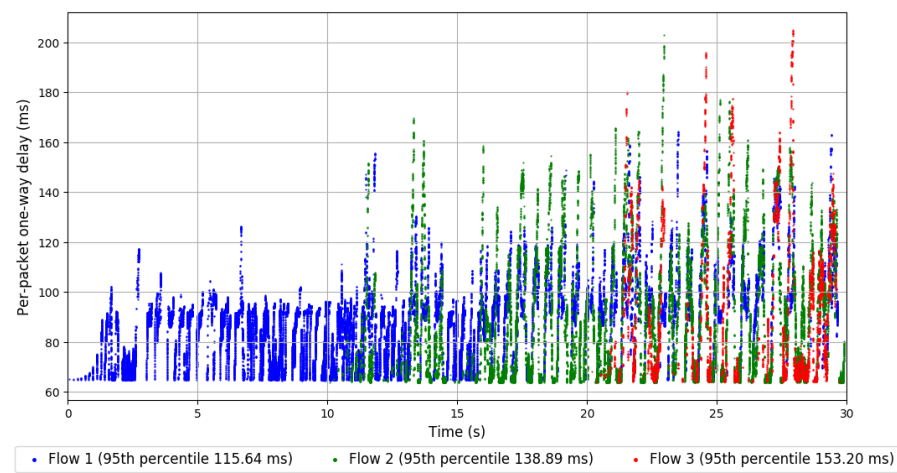
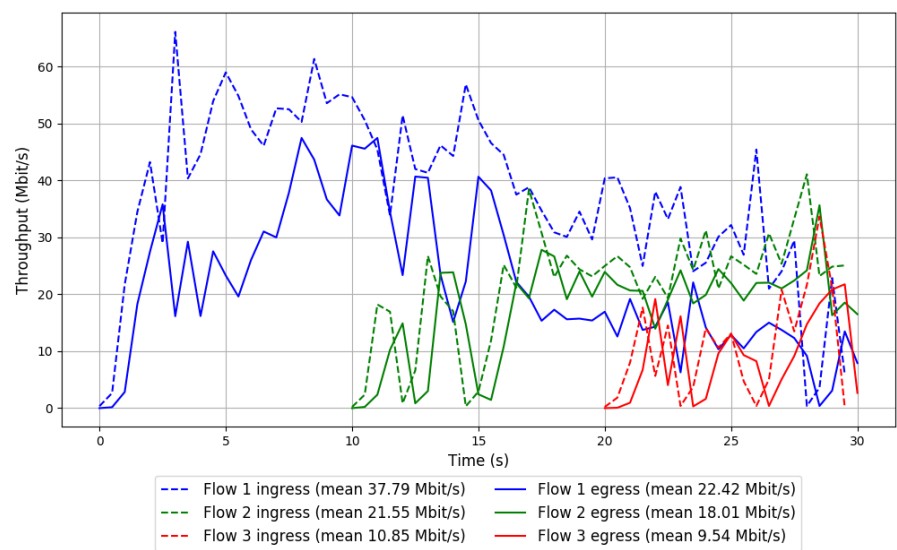


Run 7: Statistics of Verus

Start at: 2018-07-10 22:52:34
End at: 2018-07-10 22:53:04
Local clock offset: 1.051 ms
Remote clock offset: -1.091 ms

Below is generated by plot.py at 2018-07-11 00:22:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.36 Mbit/s
95th percentile per-packet one-way delay: 128.473 ms
Loss rate: 33.06%
-- Flow 1:
Average throughput: 22.42 Mbit/s
95th percentile per-packet one-way delay: 115.645 ms
Loss rate: 40.98%
-- Flow 2:
Average throughput: 18.01 Mbit/s
95th percentile per-packet one-way delay: 138.886 ms
Loss rate: 17.04%
-- Flow 3:
Average throughput: 9.54 Mbit/s
95th percentile per-packet one-way delay: 153.196 ms
Loss rate: 13.57%

Run 7: Report of Verus — Data Link

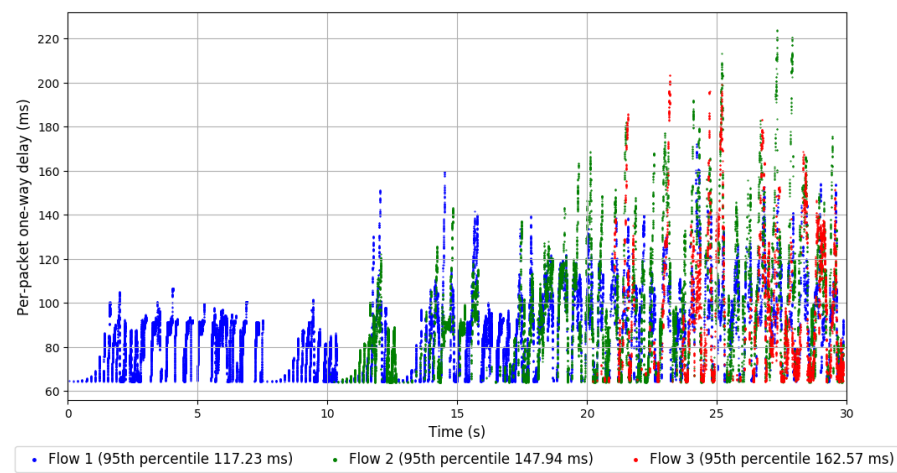
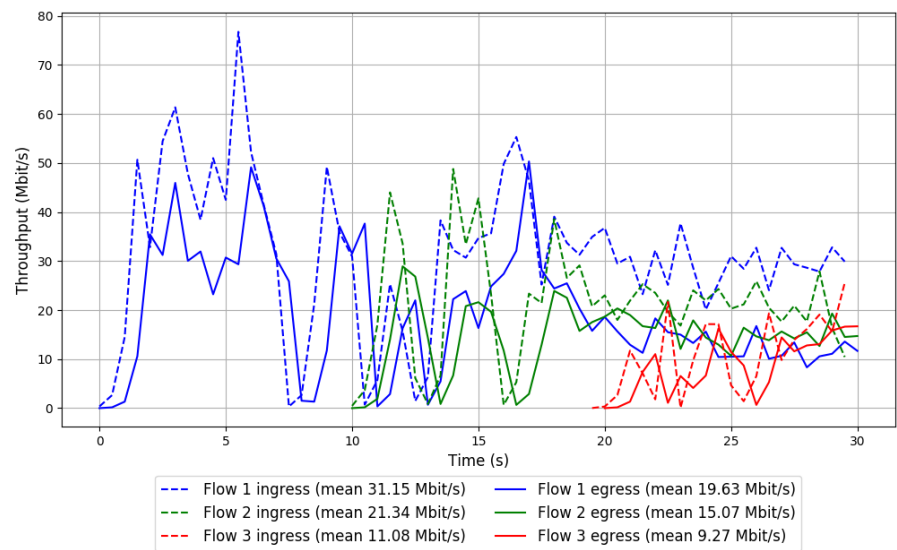


Run 8: Statistics of Verus

Start at: 2018-07-10 23:16:17
End at: 2018-07-10 23:16:47
Local clock offset: 0.784 ms
Remote clock offset: -1.023 ms

Below is generated by plot.py at 2018-07-11 00:22:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 32.68 Mbit/s
95th percentile per-packet one-way delay: 133.836 ms
Loss rate: 33.59%
-- Flow 1:
Average throughput: 19.63 Mbit/s
95th percentile per-packet one-way delay: 117.231 ms
Loss rate: 37.36%
-- Flow 2:
Average throughput: 15.07 Mbit/s
95th percentile per-packet one-way delay: 147.938 ms
Loss rate: 29.34%
-- Flow 3:
Average throughput: 9.27 Mbit/s
95th percentile per-packet one-way delay: 162.574 ms
Loss rate: 18.00%

Run 8: Report of Verus — Data Link

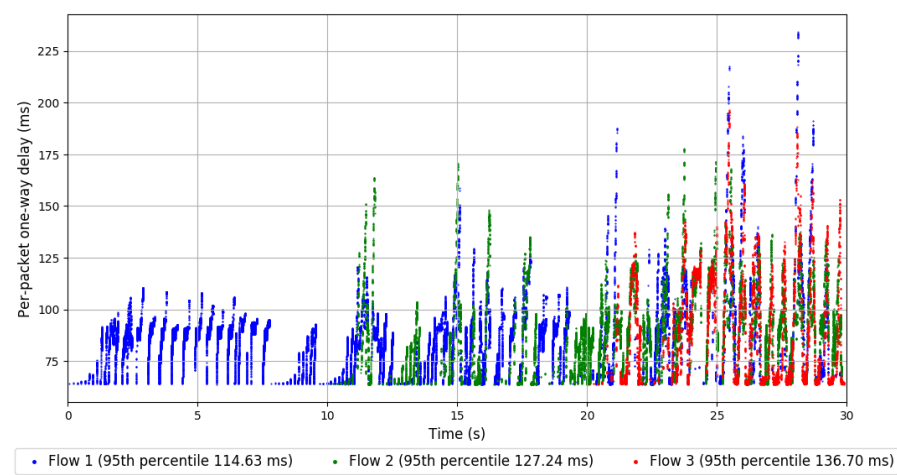
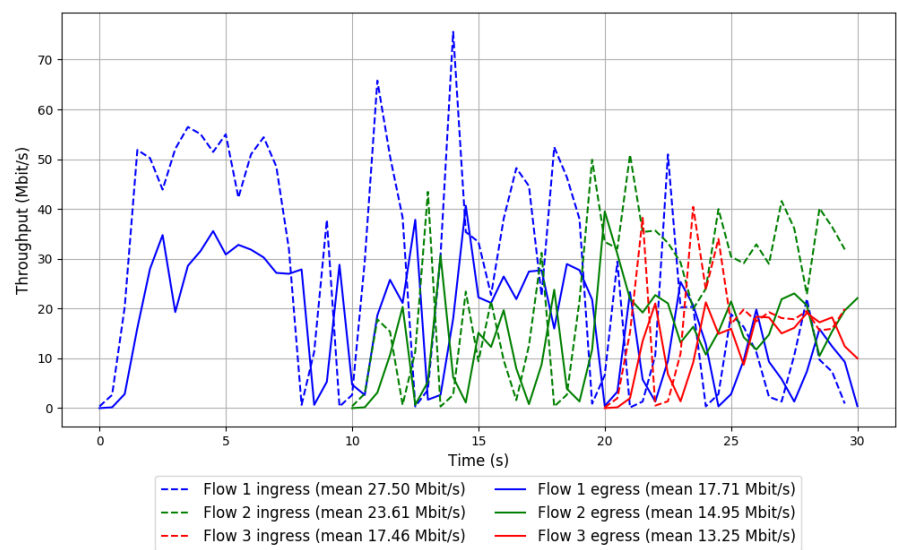


Run 9: Statistics of Verus

Start at: 2018-07-10 23:39:42
End at: 2018-07-10 23:40:12
Local clock offset: 0.375 ms
Remote clock offset: -1.473 ms

Below is generated by plot.py at 2018-07-11 00:22:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 31.87 Mbit/s
95th percentile per-packet one-way delay: 124.822 ms
Loss rate: 35.14%
-- Flow 1:
Average throughput: 17.71 Mbit/s
95th percentile per-packet one-way delay: 114.634 ms
Loss rate: 35.92%
-- Flow 2:
Average throughput: 14.95 Mbit/s
95th percentile per-packet one-way delay: 127.240 ms
Loss rate: 37.43%
-- Flow 3:
Average throughput: 13.25 Mbit/s
95th percentile per-packet one-way delay: 136.704 ms
Loss rate: 25.21%

Run 9: Report of Verus — Data Link

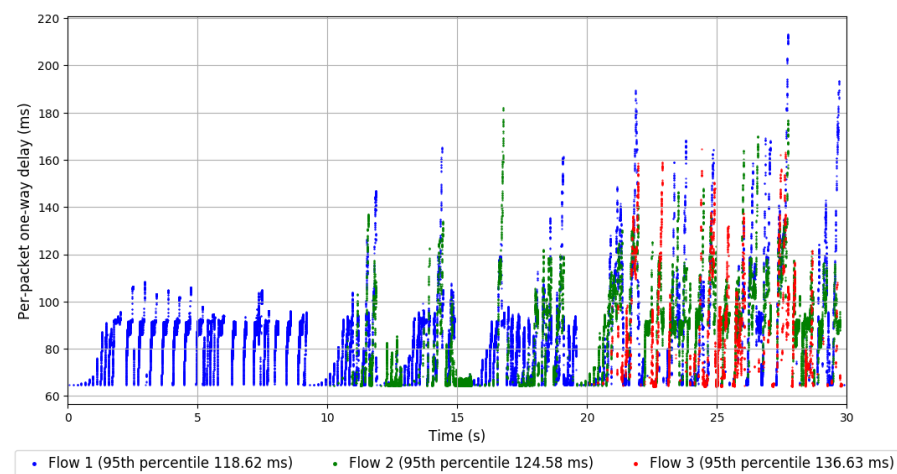
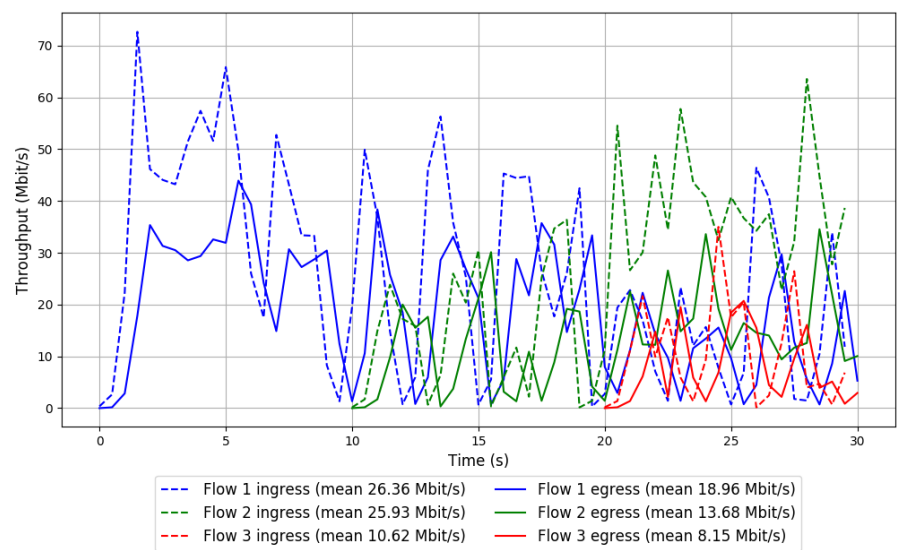


Run 10: Statistics of Verus

Start at: 2018-07-11 00:03:10
End at: 2018-07-11 00:03:40
Local clock offset: 0.53 ms
Remote clock offset: -1.017 ms

Below is generated by plot.py at 2018-07-11 00:22:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.63 Mbit/s
95th percentile per-packet one-way delay: 123.733 ms
Loss rate: 35.31%
-- Flow 1:
Average throughput: 18.96 Mbit/s
95th percentile per-packet one-way delay: 118.625 ms
Loss rate: 28.42%
-- Flow 2:
Average throughput: 13.68 Mbit/s
95th percentile per-packet one-way delay: 124.585 ms
Loss rate: 48.02%
-- Flow 3:
Average throughput: 8.15 Mbit/s
95th percentile per-packet one-way delay: 136.632 ms
Loss rate: 24.48%

Run 10: Report of Verus — Data Link

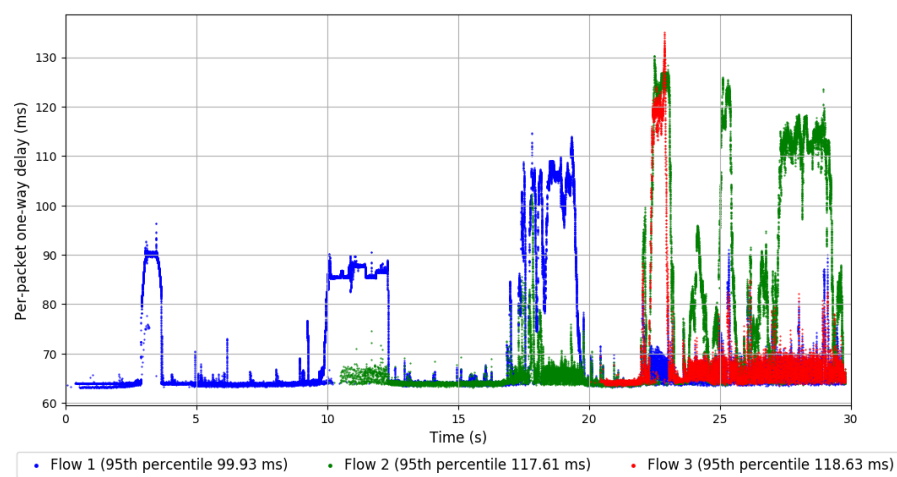
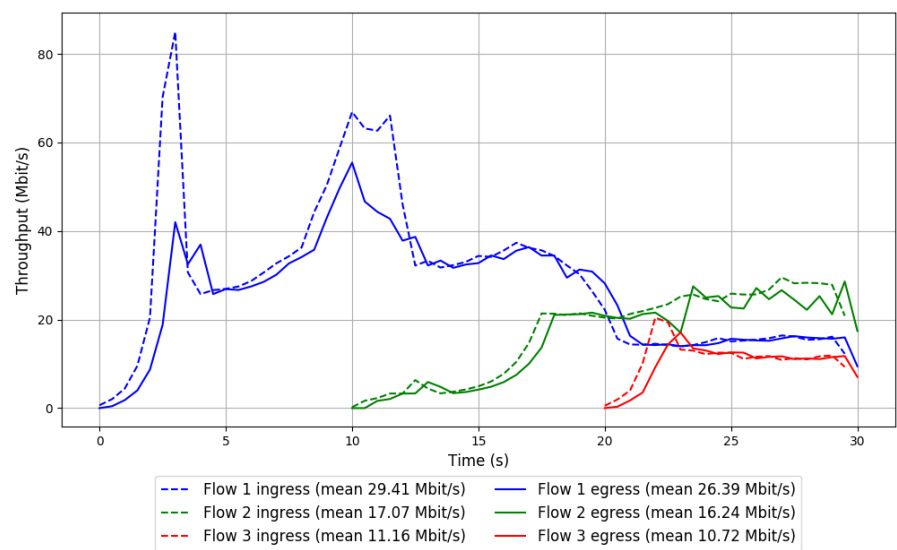


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-10 20:26:01
End at: 2018-07-10 20:26:31
Local clock offset: 0.987 ms
Remote clock offset: -0.984 ms

Below is generated by plot.py at 2018-07-11 00:22:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.67 Mbit/s
95th percentile per-packet one-way delay: 111.215 ms
Loss rate: 9.00%
-- Flow 1:
Average throughput: 26.39 Mbit/s
95th percentile per-packet one-way delay: 99.931 ms
Loss rate: 10.73%
-- Flow 2:
Average throughput: 16.24 Mbit/s
95th percentile per-packet one-way delay: 117.615 ms
Loss rate: 5.66%
-- Flow 3:
Average throughput: 10.72 Mbit/s
95th percentile per-packet one-way delay: 118.628 ms
Loss rate: 5.47%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-10 20:49:26

End at: 2018-07-10 20:49:56

Local clock offset: 1.078 ms

Remote clock offset: 0.481 ms

Below is generated by plot.py at 2018-07-11 00:23:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 46.63 Mbit/s

95th percentile per-packet one-way delay: 89.812 ms

Loss rate: 2.67%

-- Flow 1:

Average throughput: 41.67 Mbit/s

95th percentile per-packet one-way delay: 89.951 ms

Loss rate: 2.79%

-- Flow 2:

Average throughput: 6.83 Mbit/s

95th percentile per-packet one-way delay: 68.716 ms

Loss rate: 1.47%

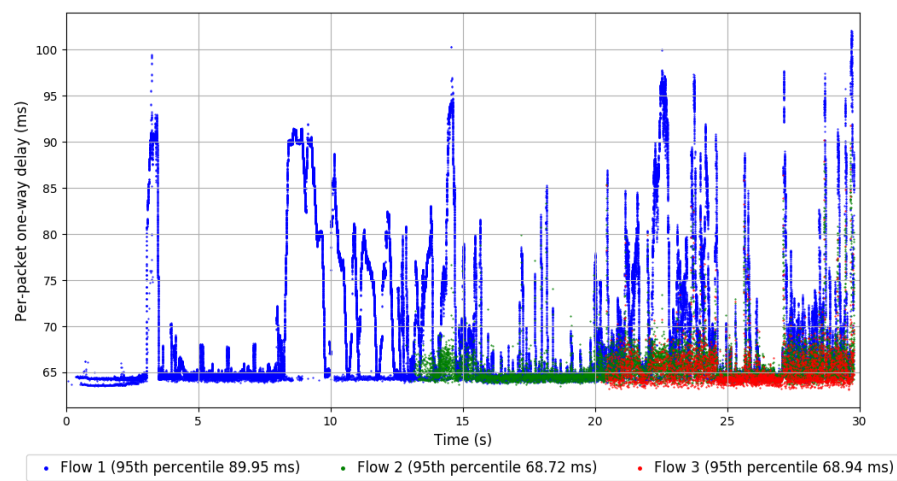
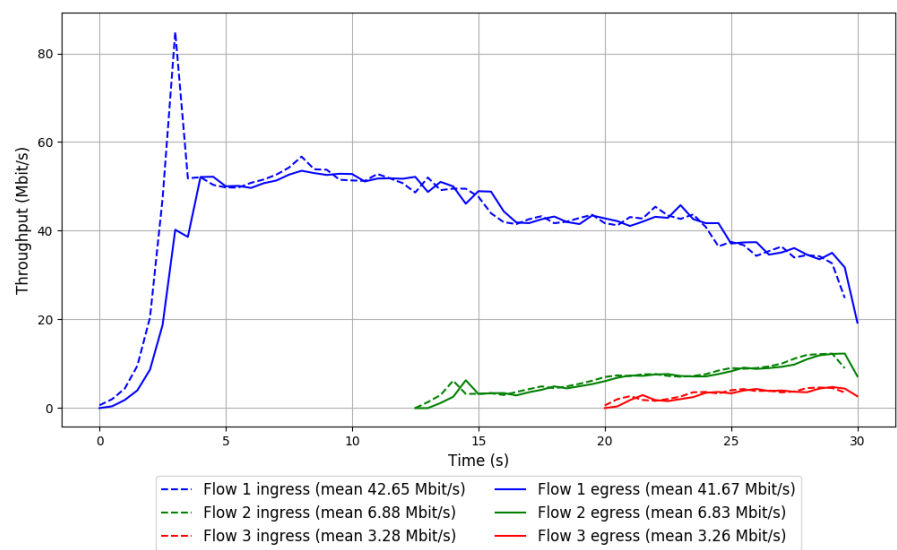
-- Flow 3:

Average throughput: 3.26 Mbit/s

95th percentile per-packet one-way delay: 68.937 ms

Loss rate: 2.32%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-10 21:12:54

End at: 2018-07-10 21:13:24

Local clock offset: 1.185 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-07-11 00:23:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.95 Mbit/s

95th percentile per-packet one-way delay: 92.820 ms

Loss rate: 4.11%

-- Flow 1:

Average throughput: 34.08 Mbit/s

95th percentile per-packet one-way delay: 93.757 ms

Loss rate: 4.47%

-- Flow 2:

Average throughput: 4.59 Mbit/s

95th percentile per-packet one-way delay: 68.611 ms

Loss rate: 1.32%

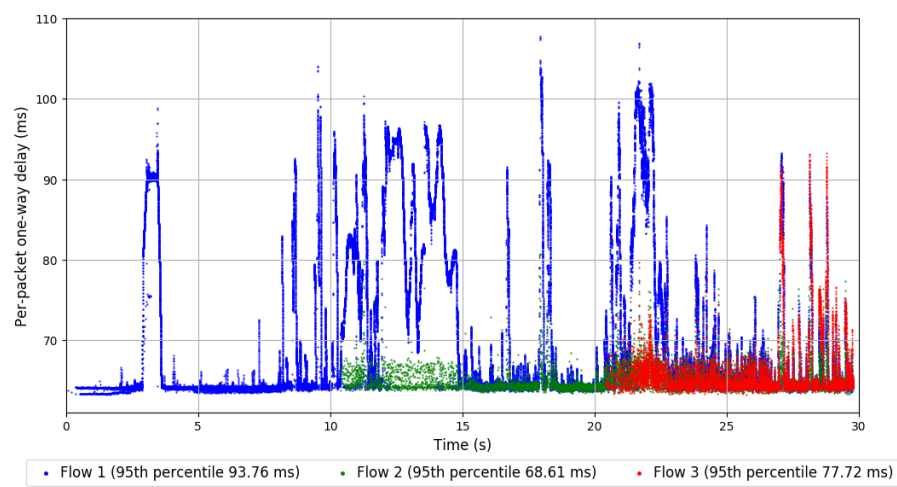
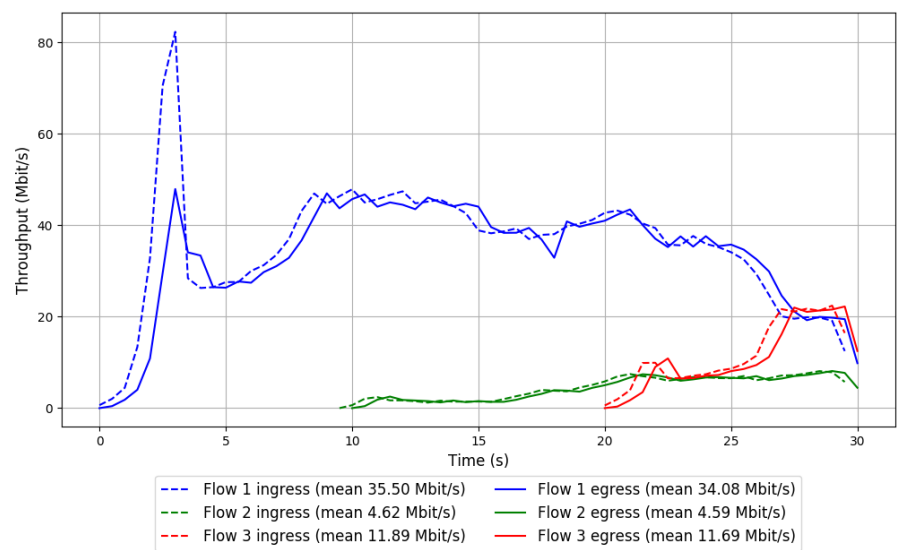
-- Flow 3:

Average throughput: 11.69 Mbit/s

95th percentile per-packet one-way delay: 77.716 ms

Loss rate: 3.10%

Run 3: Report of PCC-Vivace — Data Link

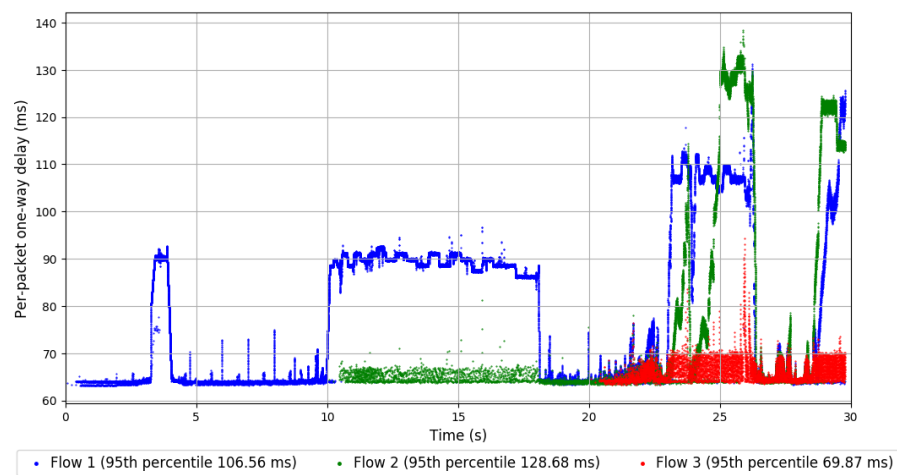
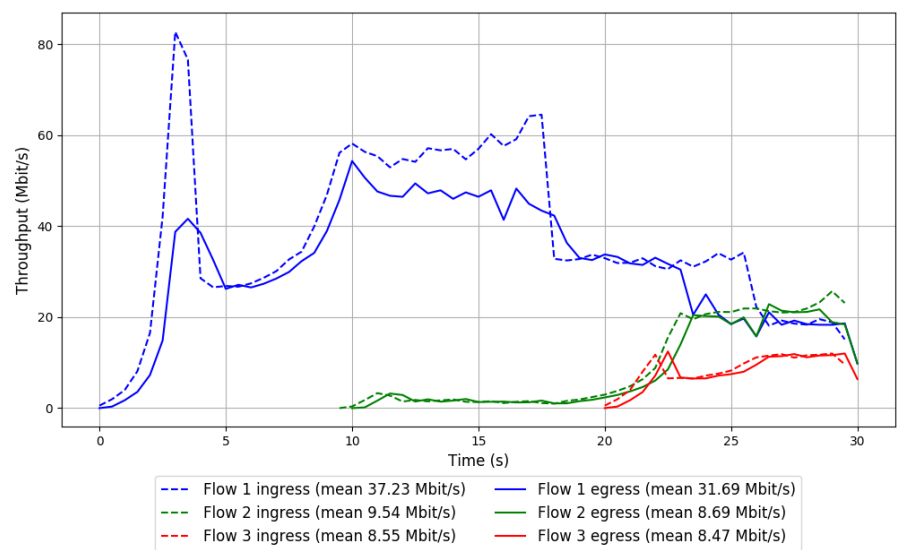


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-10 21:36:22
End at: 2018-07-10 21:36:52
Local clock offset: 1.017 ms
Remote clock offset: -0.298 ms

Below is generated by plot.py at 2018-07-11 00:23:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.23 Mbit/s
95th percentile per-packet one-way delay: 109.035 ms
Loss rate: 13.87%
-- Flow 1:
Average throughput: 31.69 Mbit/s
95th percentile per-packet one-way delay: 106.556 ms
Loss rate: 15.42%
-- Flow 2:
Average throughput: 8.69 Mbit/s
95th percentile per-packet one-way delay: 128.677 ms
Loss rate: 9.75%
-- Flow 3:
Average throughput: 8.47 Mbit/s
95th percentile per-packet one-way delay: 69.868 ms
Loss rate: 2.83%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-10 21:59:56

End at: 2018-07-10 22:00:26

Local clock offset: 1.002 ms

Remote clock offset: -0.88 ms

Below is generated by plot.py at 2018-07-11 00:23:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.76 Mbit/s

95th percentile per-packet one-way delay: 100.496 ms

Loss rate: 9.93%

-- Flow 1:

Average throughput: 36.97 Mbit/s

95th percentile per-packet one-way delay: 100.683 ms

Loss rate: 10.65%

-- Flow 2:

Average throughput: 2.59 Mbit/s

95th percentile per-packet one-way delay: 68.640 ms

Loss rate: 2.33%

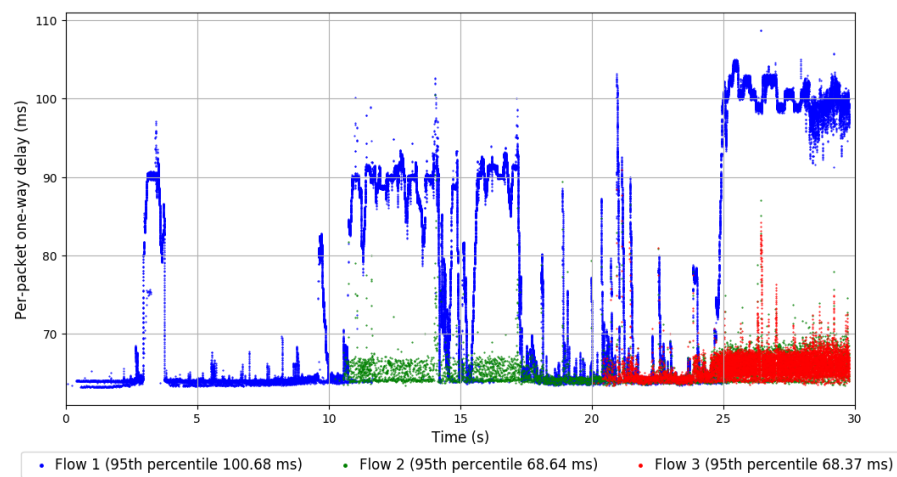
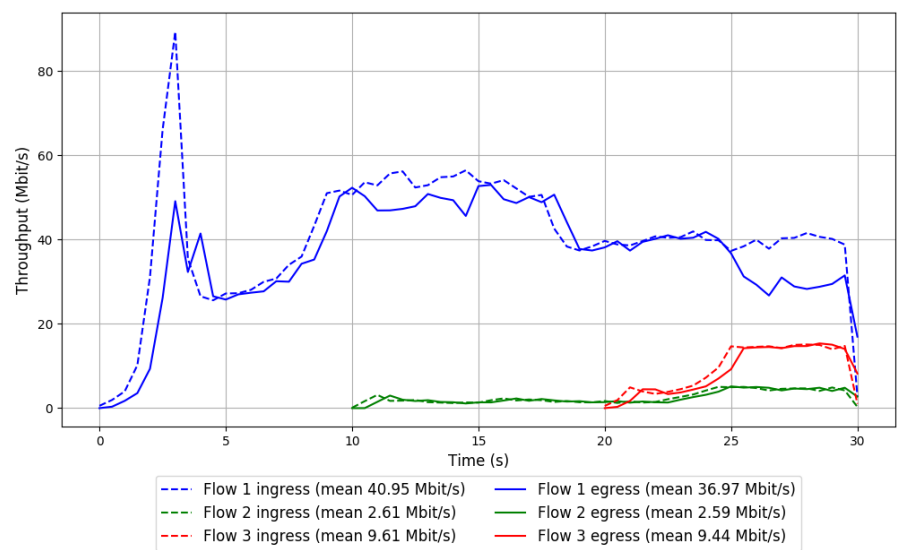
-- Flow 3:

Average throughput: 9.44 Mbit/s

95th percentile per-packet one-way delay: 68.366 ms

Loss rate: 4.87%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-10 22:23:21

End at: 2018-07-10 22:23:51

Local clock offset: 0.926 ms

Remote clock offset: -1.33 ms

Below is generated by plot.py at 2018-07-11 00:23:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.78 Mbit/s

95th percentile per-packet one-way delay: 104.402 ms

Loss rate: 14.69%

-- Flow 1:

Average throughput: 30.42 Mbit/s

95th percentile per-packet one-way delay: 104.595 ms

Loss rate: 18.61%

-- Flow 2:

Average throughput: 15.60 Mbit/s

95th percentile per-packet one-way delay: 81.721 ms

Loss rate: 0.58%

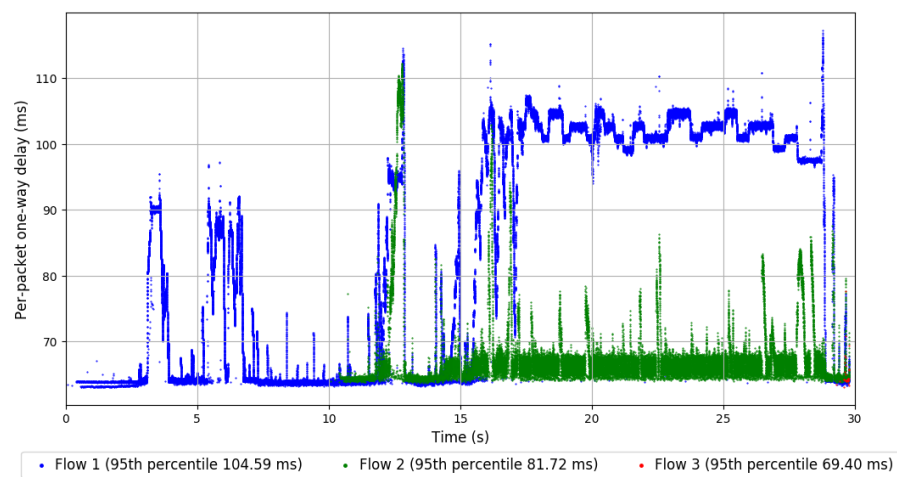
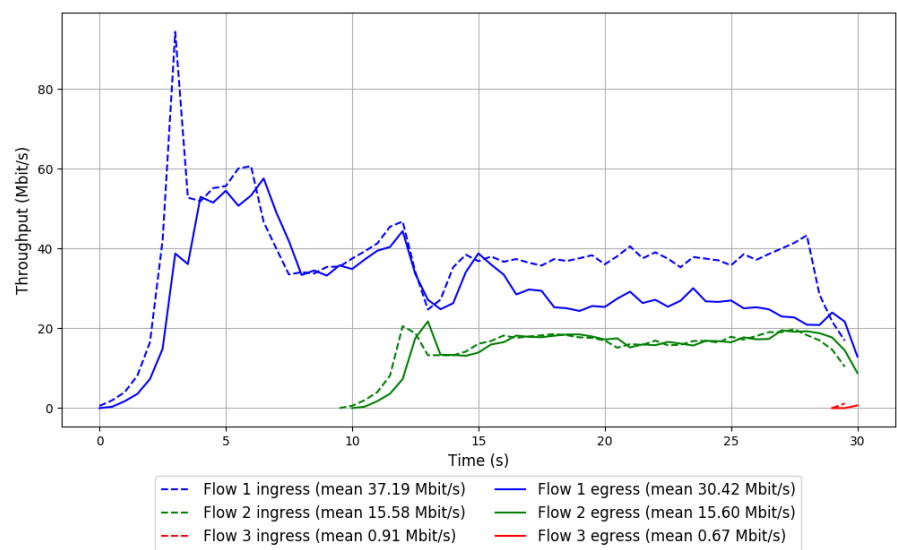
-- Flow 3:

Average throughput: 0.67 Mbit/s

95th percentile per-packet one-way delay: 69.399 ms

Loss rate: 42.34%

Run 6: Report of PCC-Vivace — Data Link

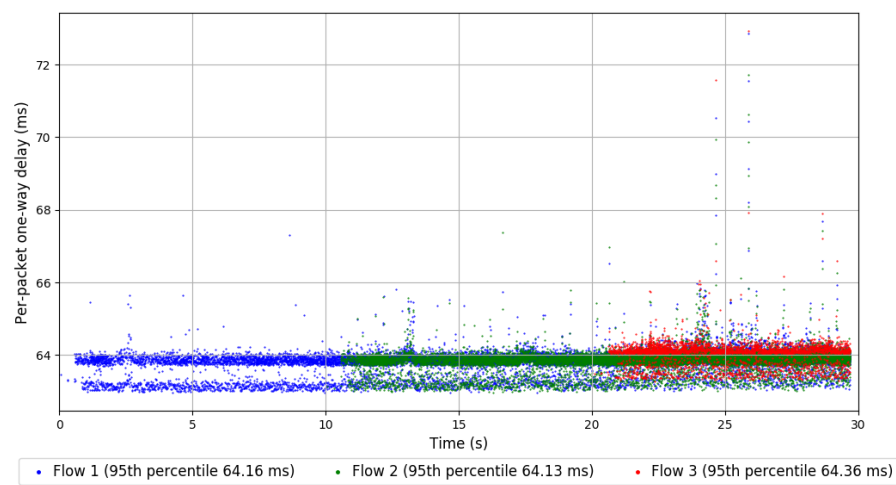
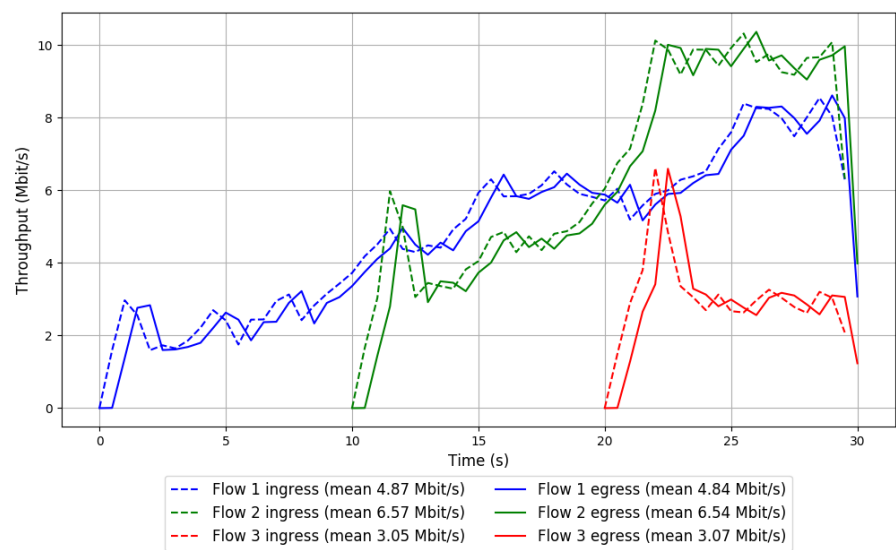


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-10 22:47:02
End at: 2018-07-10 22:47:32
Local clock offset: 0.811 ms
Remote clock offset: -1.245 ms

Below is generated by plot.py at 2018-07-11 00:23:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.16 Mbit/s
95th percentile per-packet one-way delay: 64.208 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 64.157 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 6.54 Mbit/s
95th percentile per-packet one-way delay: 64.128 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 3.07 Mbit/s
95th percentile per-packet one-way delay: 64.365 ms
Loss rate: 2.11%

Run 7: Report of PCC-Vivace — Data Link

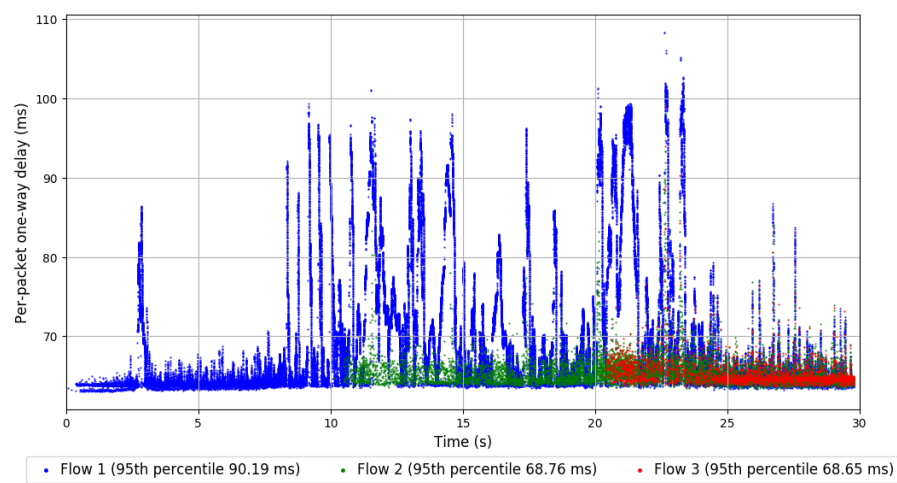
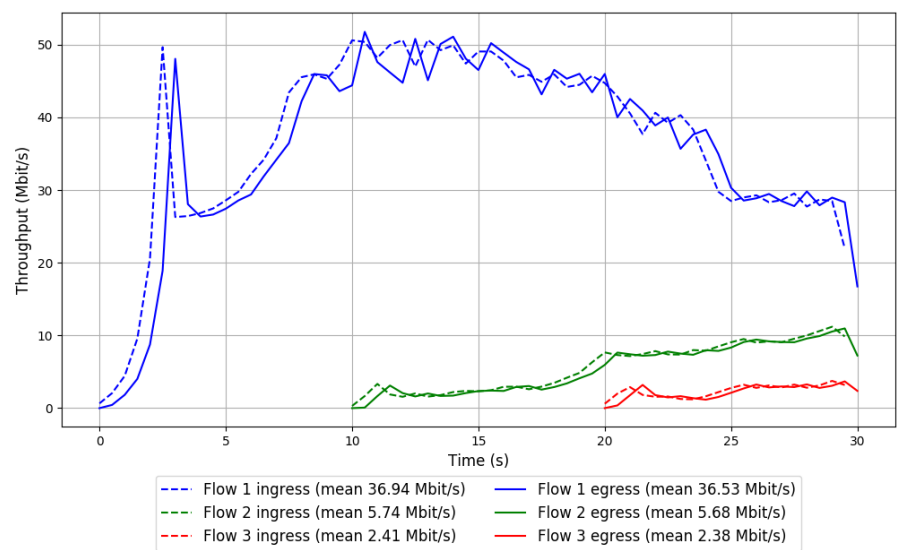


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-10 23:10:44
End at: 2018-07-10 23:11:14
Local clock offset: 0.819 ms
Remote clock offset: -1.021 ms

Below is generated by plot.py at 2018-07-11 00:23:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.07 Mbit/s
95th percentile per-packet one-way delay: 89.272 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 36.53 Mbit/s
95th percentile per-packet one-way delay: 90.195 ms
Loss rate: 1.59%
-- Flow 2:
Average throughput: 5.68 Mbit/s
95th percentile per-packet one-way delay: 68.759 ms
Loss rate: 1.83%
-- Flow 3:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 68.651 ms
Loss rate: 2.78%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-10 23:34:15

End at: 2018-07-10 23:34:45

Local clock offset: 0.539 ms

Remote clock offset: -1.44 ms

Below is generated by plot.py at 2018-07-11 00:23:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.65 Mbit/s

95th percentile per-packet one-way delay: 93.201 ms

Loss rate: 6.86%

-- Flow 1:

Average throughput: 28.64 Mbit/s

95th percentile per-packet one-way delay: 90.998 ms

Loss rate: 8.45%

-- Flow 2:

Average throughput: 11.70 Mbit/s

95th percentile per-packet one-way delay: 98.950 ms

Loss rate: 1.33%

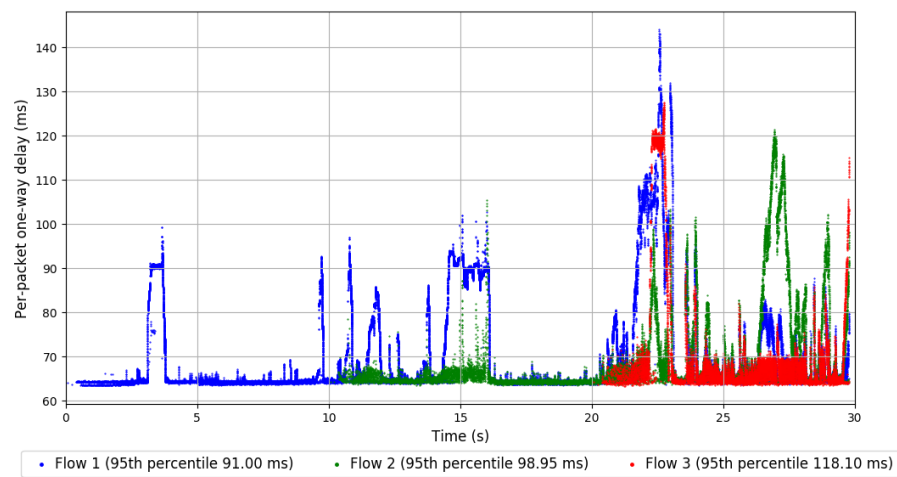
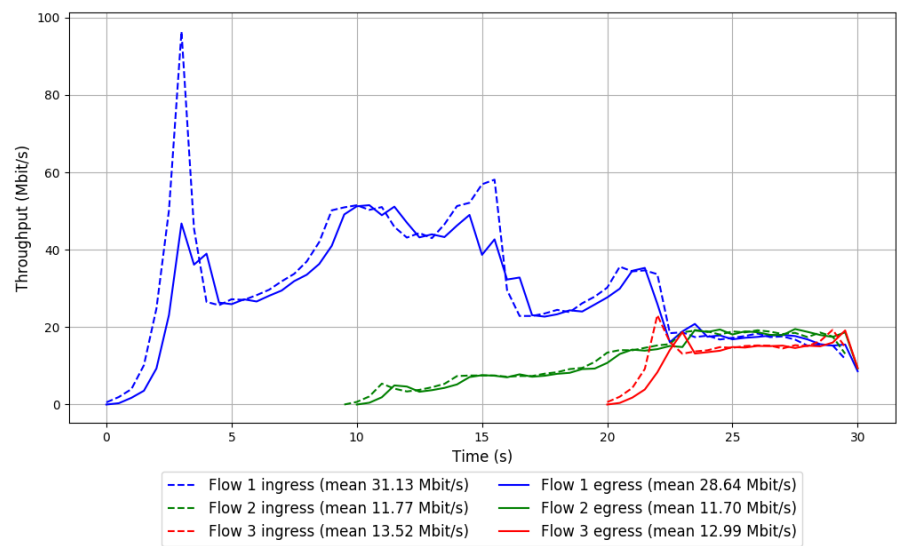
-- Flow 3:

Average throughput: 12.99 Mbit/s

95th percentile per-packet one-way delay: 118.097 ms

Loss rate: 5.45%

Run 9: Report of PCC-Vivace — Data Link

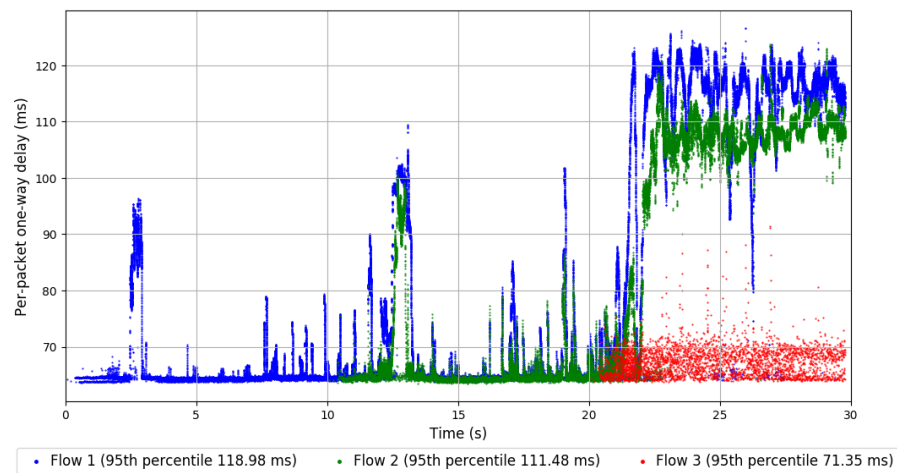
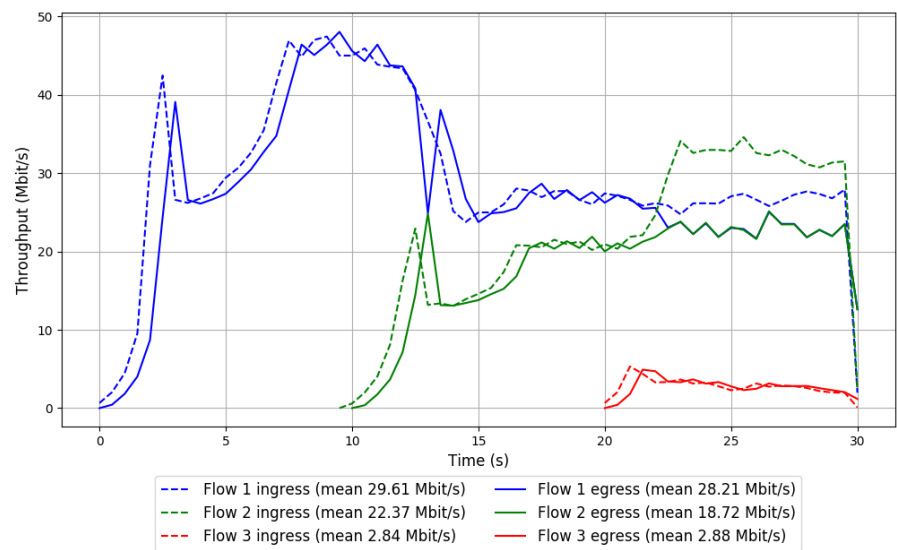


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-10 23:57:42
End at: 2018-07-10 23:58:12
Local clock offset: 0.566 ms
Remote clock offset: -1.235 ms

Below is generated by plot.py at 2018-07-11 00:23:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.58 Mbit/s
95th percentile per-packet one-way delay: 117.737 ms
Loss rate: 9.58%
-- Flow 1:
Average throughput: 28.21 Mbit/s
95th percentile per-packet one-way delay: 118.980 ms
Loss rate: 5.74%
-- Flow 2:
Average throughput: 18.72 Mbit/s
95th percentile per-packet one-way delay: 111.483 ms
Loss rate: 17.67%
-- Flow 3:
Average throughput: 2.88 Mbit/s
95th percentile per-packet one-way delay: 71.352 ms
Loss rate: 2.03%

Run 10: Report of PCC-Vivace — Data Link

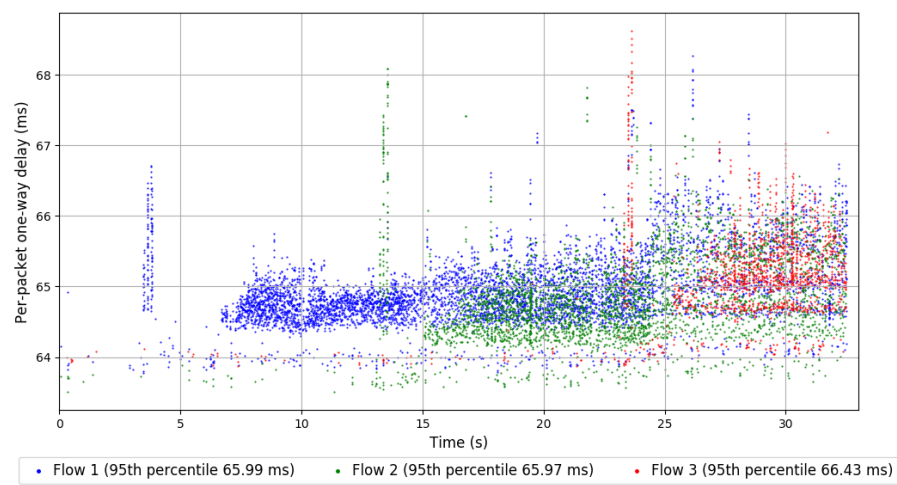
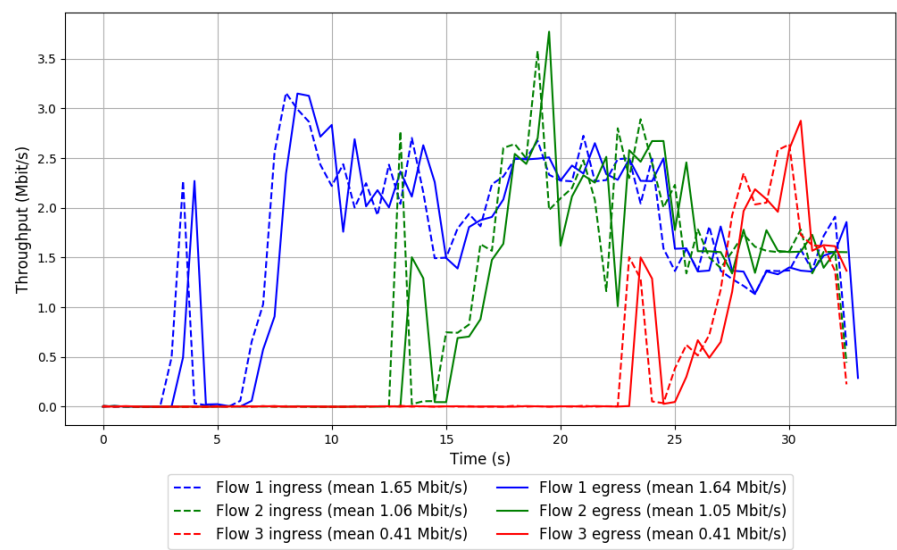


Run 1: Statistics of WebRTC media

Start at: 2018-07-10 20:30:09
End at: 2018-07-10 20:30:39
Local clock offset: 1.226 ms
Remote clock offset: -0.644 ms

Below is generated by plot.py at 2018-07-11 00:23:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.10 Mbit/s
95th percentile per-packet one-way delay: 66.055 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 1.64 Mbit/s
95th percentile per-packet one-way delay: 65.990 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 1.05 Mbit/s
95th percentile per-packet one-way delay: 65.965 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 66.427 ms
Loss rate: 1.71%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-10 20:53:34

End at: 2018-07-10 20:54:04

Local clock offset: 1.16 ms

Remote clock offset: 0.688 ms

Below is generated by plot.py at 2018-07-11 00:23:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.09 Mbit/s

95th percentile per-packet one-way delay: 65.504 ms

Loss rate: 0.80%

-- Flow 1:

Average throughput: 1.65 Mbit/s

95th percentile per-packet one-way delay: 65.321 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 1.02 Mbit/s

95th percentile per-packet one-way delay: 65.521 ms

Loss rate: 0.67%

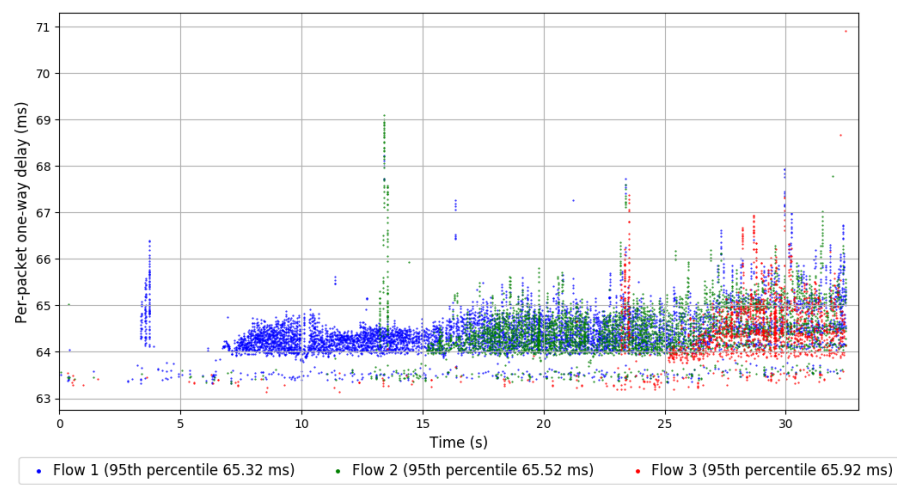
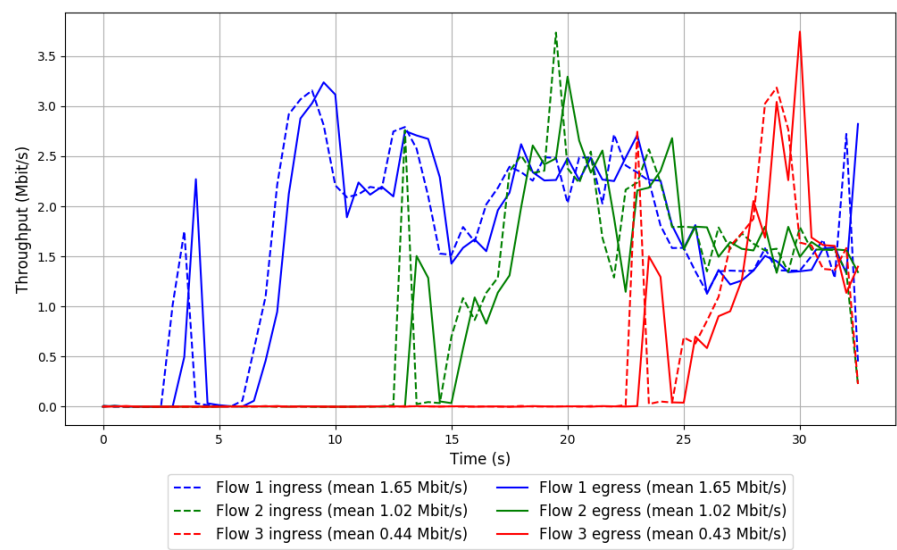
-- Flow 3:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 65.915 ms

Loss rate: 2.26%

Run 2: Report of WebRTC media — Data Link

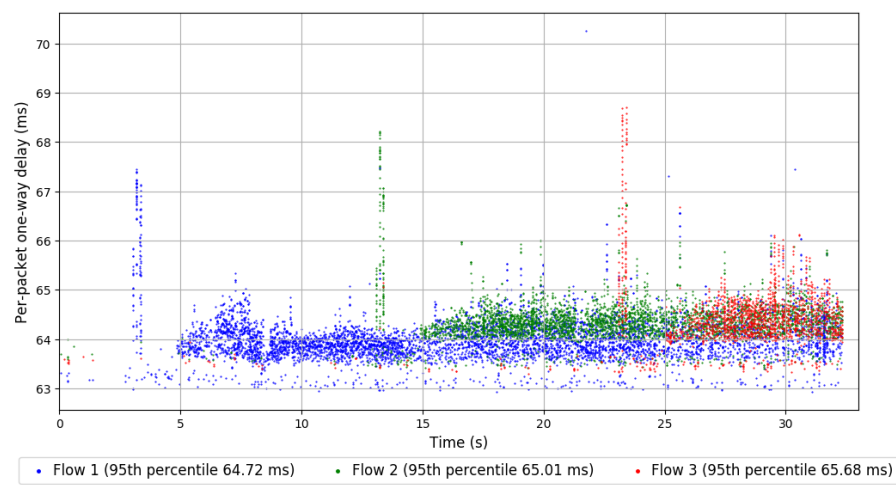
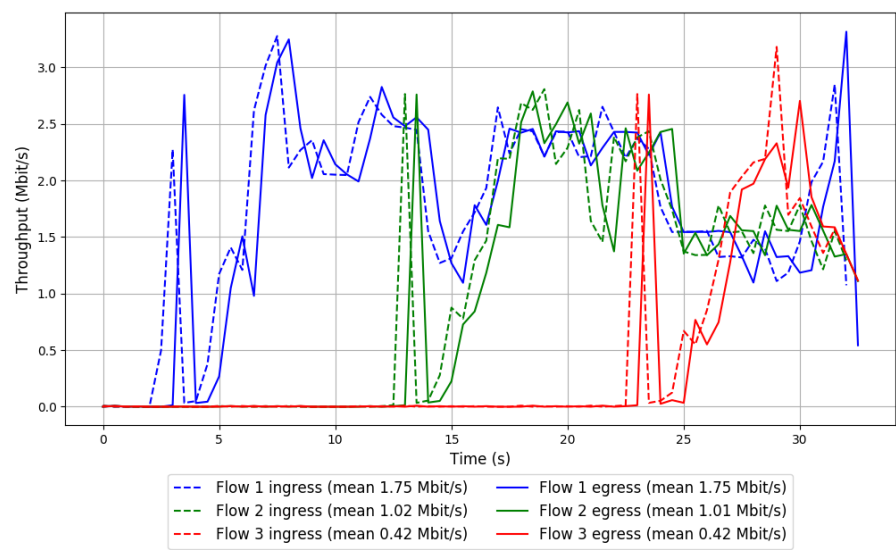


Run 3: Statistics of WebRTC media

Start at: 2018-07-10 21:17:02
End at: 2018-07-10 21:17:32
Local clock offset: 1.125 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-07-11 00:23:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.18 Mbit/s
95th percentile per-packet one-way delay: 64.980 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 1.75 Mbit/s
95th percentile per-packet one-way delay: 64.716 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 1.01 Mbit/s
95th percentile per-packet one-way delay: 65.007 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 65.683 ms
Loss rate: 1.63%

Run 3: Report of WebRTC media — Data Link

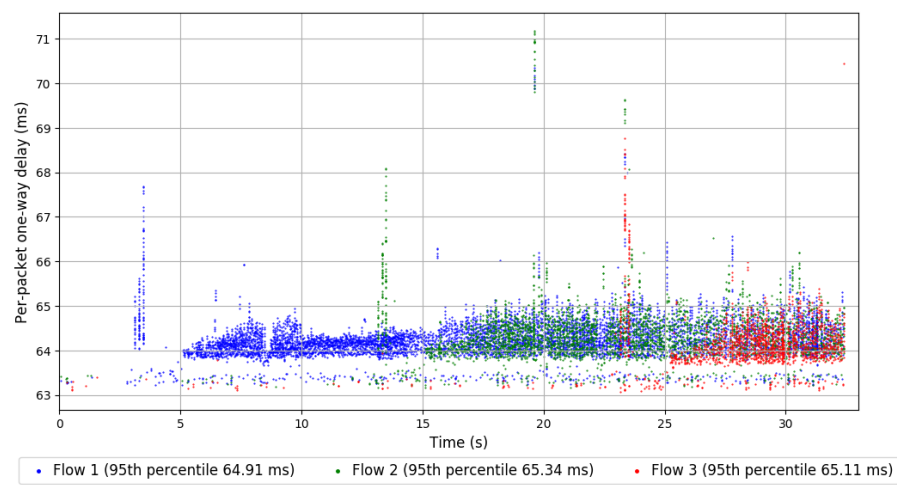
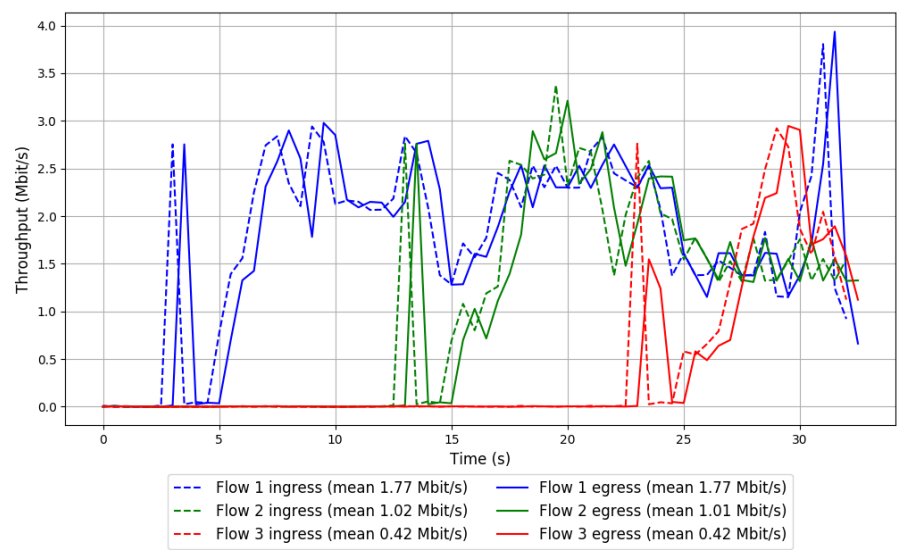


Run 4: Statistics of WebRTC media

Start at: 2018-07-10 21:40:29
End at: 2018-07-10 21:40:59
Local clock offset: 0.959 ms
Remote clock offset: -0.494 ms

Below is generated by plot.py at 2018-07-11 00:23:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.20 Mbit/s
95th percentile per-packet one-way delay: 65.039 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 64.910 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 1.01 Mbit/s
95th percentile per-packet one-way delay: 65.337 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 65.112 ms
Loss rate: 0.83%

Run 4: Report of WebRTC media — Data Link

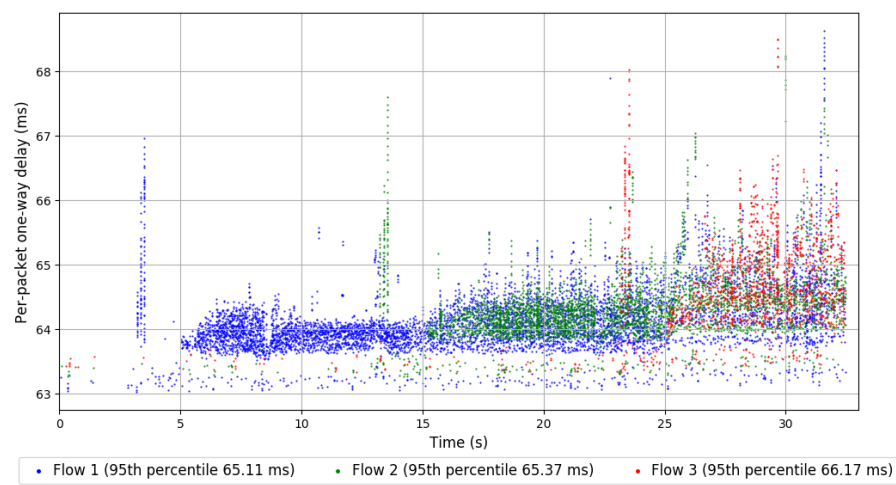
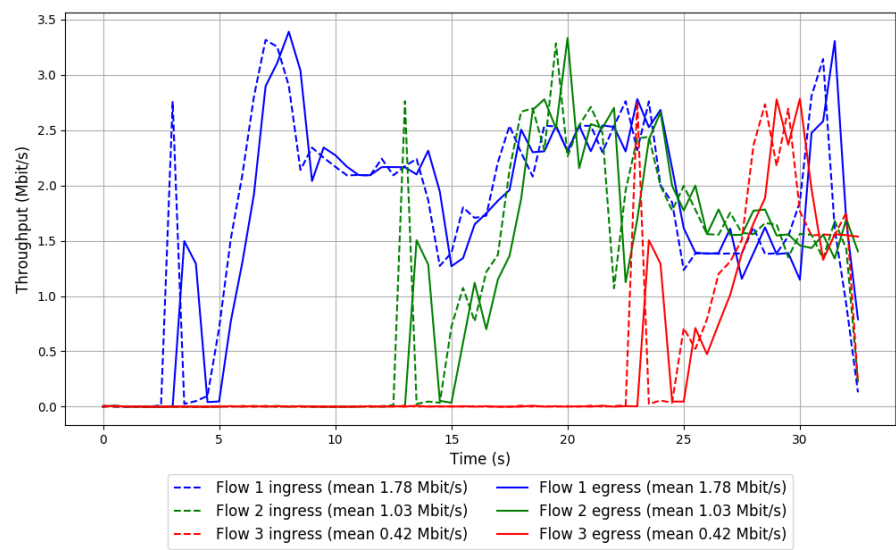


Run 5: Statistics of WebRTC media

Start at: 2018-07-10 22:04:03
End at: 2018-07-10 22:04:33
Local clock offset: 1.021 ms
Remote clock offset: -0.903 ms

Below is generated by plot.py at 2018-07-11 00:23:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.22 Mbit/s
95th percentile per-packet one-way delay: 65.444 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 65.106 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 1.03 Mbit/s
95th percentile per-packet one-way delay: 65.367 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 66.167 ms
Loss rate: 2.40%

Run 5: Report of WebRTC media — Data Link

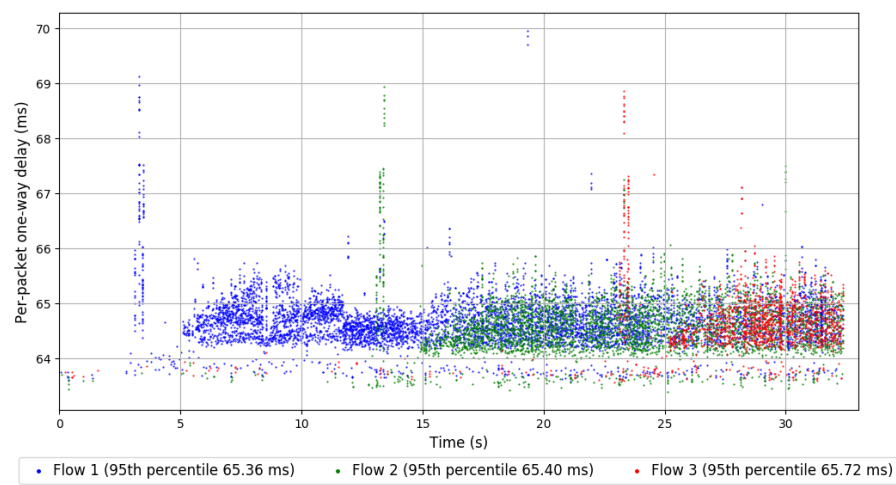
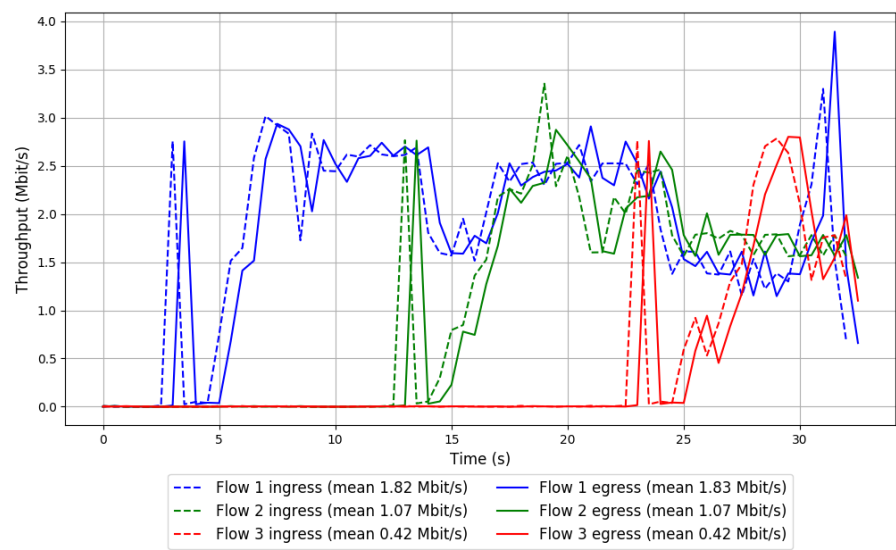


Run 6: Statistics of WebRTC media

Start at: 2018-07-10 22:27:30
End at: 2018-07-10 22:28:00
Local clock offset: 0.99 ms
Remote clock offset: -1.385 ms

Below is generated by plot.py at 2018-07-11 00:23:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.31 Mbit/s
95th percentile per-packet one-way delay: 65.399 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 65.358 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 1.07 Mbit/s
95th percentile per-packet one-way delay: 65.396 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 65.719 ms
Loss rate: 1.62%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-10 22:51:14

End at: 2018-07-10 22:51:44

Local clock offset: 0.924 ms

Remote clock offset: -1.16 ms

Below is generated by plot.py at 2018-07-11 00:23:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.96 Mbit/s

95th percentile per-packet one-way delay: 65.718 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 1.66 Mbit/s

95th percentile per-packet one-way delay: 65.756 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 0.88 Mbit/s

95th percentile per-packet one-way delay: 65.233 ms

Loss rate: 0.77%

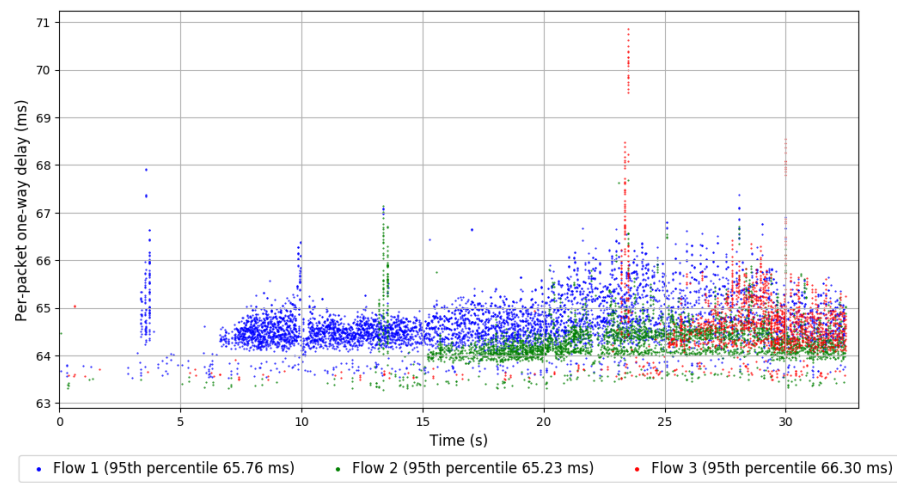
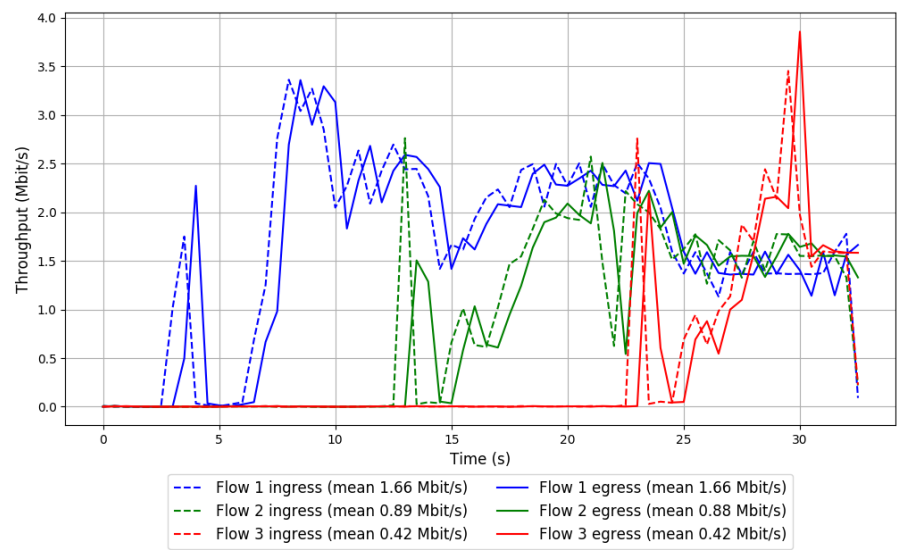
-- Flow 3:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 66.300 ms

Loss rate: 1.64%

Run 7: Report of WebRTC media — Data Link

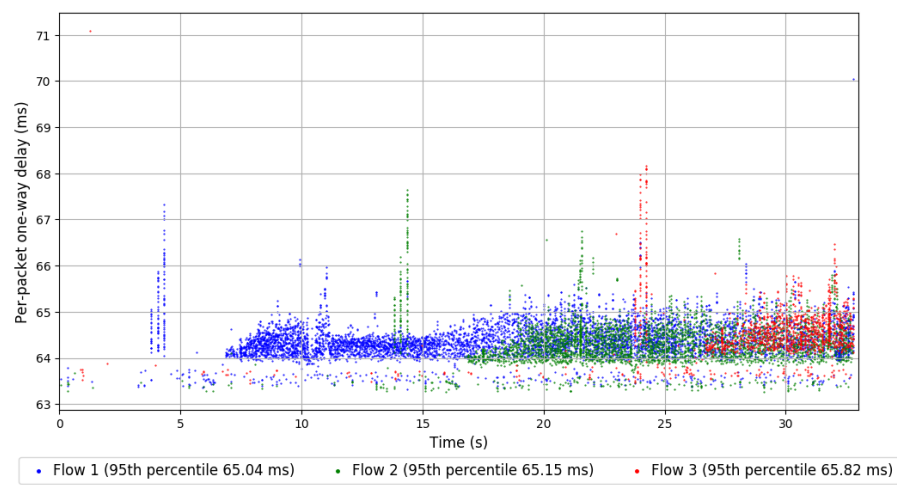
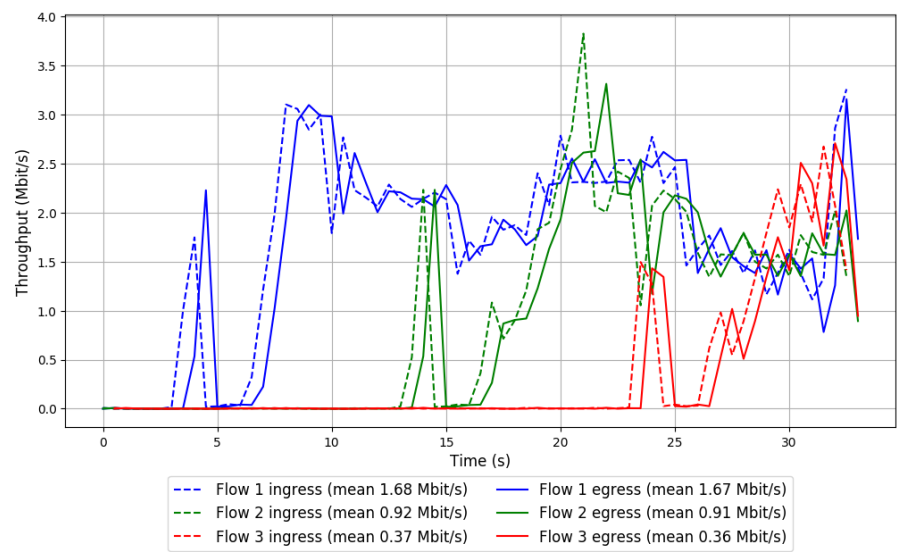


Run 8: Statistics of WebRTC media

Start at: 2018-07-10 23:14:54
End at: 2018-07-10 23:15:24
Local clock offset: 0.789 ms
Remote clock offset: -1.002 ms

Below is generated by plot.py at 2018-07-11 00:23:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.93 Mbit/s
95th percentile per-packet one-way delay: 65.156 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 65.038 ms
Loss rate: 1.54%
-- Flow 2:
Average throughput: 0.91 Mbit/s
95th percentile per-packet one-way delay: 65.152 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 65.824 ms
Loss rate: 2.98%

Run 8: Report of WebRTC media — Data Link

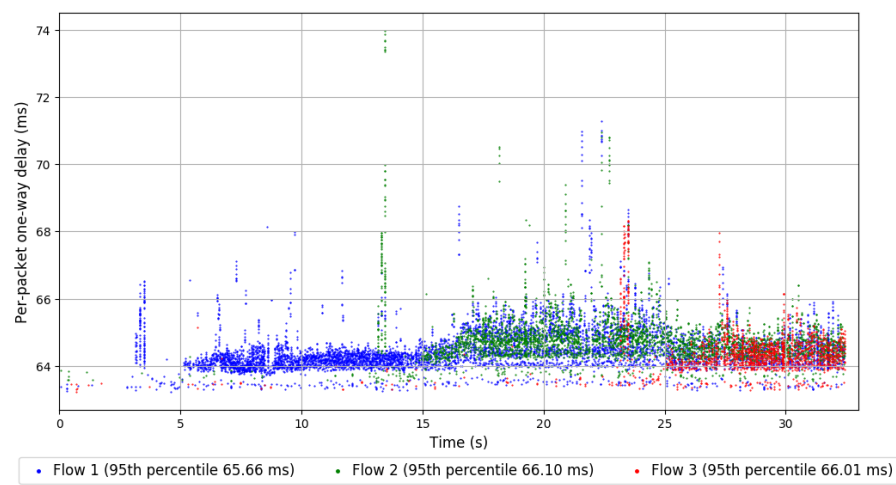
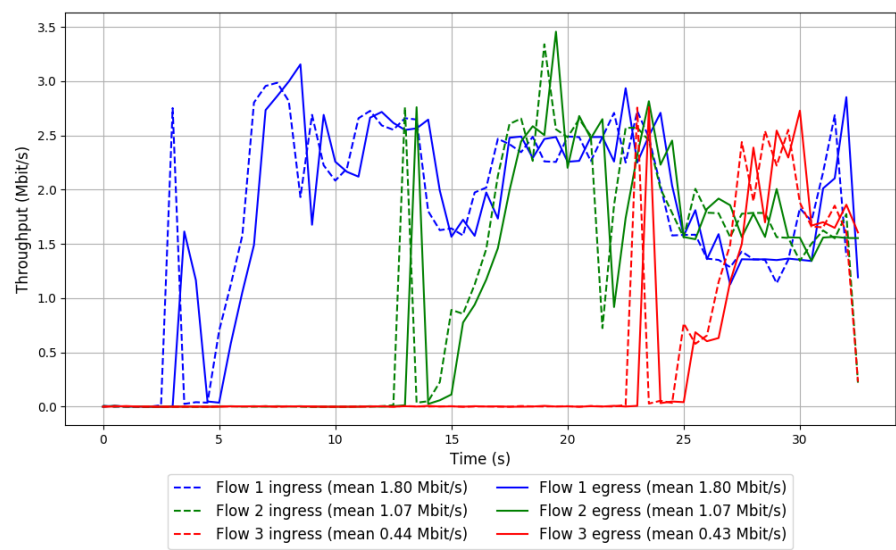


Run 9: Statistics of WebRTC media

Start at: 2018-07-10 23:38:22
End at: 2018-07-10 23:38:52
Local clock offset: 0.665 ms
Remote clock offset: -1.539 ms

Below is generated by plot.py at 2018-07-11 00:23:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.30 Mbit/s
95th percentile per-packet one-way delay: 65.809 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 65.656 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 1.07 Mbit/s
95th percentile per-packet one-way delay: 66.098 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 66.011 ms
Loss rate: 1.63%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-11 00:01:51
End at: 2018-07-11 00:02:21
Local clock offset: 0.227 ms
Remote clock offset: -1.095 ms

Below is generated by plot.py at 2018-07-11 00:23:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.26 Mbit/s
95th percentile per-packet one-way delay: 65.050 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 64.762 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 1.04 Mbit/s
95th percentile per-packet one-way delay: 65.269 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 65.382 ms
Loss rate: 1.43%

Run 10: Report of WebRTC media — Data Link

